Standard equipment (NAR)

from July 2009

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Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse panel B

A	Battery
C	Generator
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB6	Fuse 6 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB17	Fuse 17 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
*	16.0 diameter possible

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Terminal 15 power supply relay 2, Fuse panel C

J234	Airbag control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
K145	Front passenger airbag -disabled- indicator lamp
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
SC3	Fuse 3 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
T9b	9-pin connector
T9i	9-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Fuse panel C, Interior socket, 230 V, 110 V

J245	Power sunroof control module
J519	Vehicle electrical control module system
SC	Fuse panel C
SC13	Fuse 13 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC15	Fuse 15 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
SC32	Fuse 32 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
SC41	Fuse 41 (on fuse panel C)
SC42	Fuse 42 (on fuse panel C)
T3ba	3-pin connector
T6c	6-pin connector
T52b	52-pin connector
U11	Interior socket, 230 V, 110 V
44	Ground connection on A-pillar, lower left
A17	Connection 61 (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Terminal 75 power supply relay 1, Left position lamp bulb, Left front turn signal bulb, Left low beam headlamp bulb, Left front side marker lamp bulb

J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
M1	Left position lamp bulb
M5	Left front turn signal bulb
M29	Left low beam headlamp bulb
M30	Left high beam headlamp bulb
M33	Left front side marker lamp bulb
T9m	9-pin connector
T10i	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
655	Ground connection on left headlamp
A17	Connection 61 (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument panel and switch illumination dimmer switch, Vehicle electrical control module system, Right position lamp bulb, Right front turn signal bulb, Right low beam headlamp bulb, Right front side marker lamp bulb

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
L76	Push button illumination bulb
M3	Right position lamp bulb
M7	Right front turn signal bulb
M31	Right low beam headlamp bulb
M32	Right high beam headlamp bulb
M34	Right front side marker lamp bulb
T8e	8-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
378	Ground connection 13 (in main wiring harness)
656	Ground connection on right headlamp
A85	Connection 58R (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Light switch, Fog lamp switch, Vehicle electrical control module system

E1	Light switch
E7	Fog lamp switch
J519	Vehicle electrical control module system
L9	Headlamp switch illumination bulb
T10h	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
B340	Connection 58d (in main wiring harness) 1

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Right tail lamp bulb, Left tail lamp bulb, Left brake lamp bulb, Right brake lamp bulb, Left back-up lamp bulb

J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M4	Left tail lamp bulb
M6	Left rear turn signal bulb
M8	Right rear turn signal bulb
M9	Left brake lamp bulb
M10	Right brake lamp bulb
M16	Left back-up lamp bulb
M17	Right back-up lamp bulb
T5n	5-pin connector
T5o	5-pin connector
T52a	52-pin connector
T52c	52-pin connector
51	Ground connection in luggage compartment, right
369	Ground connection 4 (in main wiring harness)
662	Ground connection in left rear side panel

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock/alarm/central locking switch, Rear lid lock unit, Vehicle electrical control module system, High-mounted brake lamp bulb, Rear lid opening motor, License plate lamp

E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F124	Rear lid lock/alarm/central locking switch
F256	Rear lid lock unit
J519	Vehicle electrical control module system
M25	High-mounted brake lamp bulb
T4f	4-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V254	Rear lid opening motor
X	License plate lamp
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
W41	Positive connection (58) (in license plate lamp wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Back-up lamp switch, Driver door control module, Front passenger door control module, Vehicle electrical control module system, Driver exterior rearview mirror turn signal bulb, Front passenger exterior rearview mirror turn signal bulb, Rear window wiper motor, Fuel filler door unlock motor

F4	Back-up lamp switch
J386	Driver door control module
J387	Front passenger door control module
J519	Vehicle electrical control module system
L131	Driver exterior rearview mirror turn signal bulb
L132	Front passenger exterior rearview mirror turn signal bulb
T2n	Double connector
T4bv	4-pin connector
T16a	16-pin connector
T16d	16-pin connector
T17	17-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector, near the lower right A-pillar
T52a	52-pin connector
T52b	52-pin connector
V12	Rear window wiper motor
V59	Windshield and rear window washer pump
V155	Fuel filler door unlock motor
89	Ground connection 1 (in power window wiring harness)
107	Ground connection (in exterior mirror wiring harness)
B183	Windshield washer pump connection 1 (in interior wiring harness)
B184	Windshield washer pump connection 2 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Windshield wiper intermittent regulator, Steering angle sensor, Vehicle electrical control module system, Steering column electronics control module

E	Windshield wiper switch
E22	Windshield wiper intermittent mode switch
E38	Windshield wiper intermittent regulator
F189	tiptronic switch
G85	Steering angle sensor
J453	Multifunction steering wheel control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T10s	10-pin connector
T20d	20-pin connector
T52c	52-pin connector
A201	Positive connection 6 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ignition/starter switch, Turn signal switch, Headlamp dimmer/flasher switch, Cruise control switch, Cruise control -SET- button, Steering angle sensor, Vehicle electrical control module system, Steering column electronics control module

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlamp dimmer/flasher switch
E45	Cruise control switch
E227	Cruise control -SET- button
G85	Steering angle sensor
J519	Vehicle electrical control module system
J527	Steering column electronics control module
*	Only for vehicles with cruise control

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
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Airbag spiral spring/return spring with slip ring, Vehicle electrical control module system, Steering column electronics control module

F138	Airbag spiral spring/return spring with slip ring
H	Signal horn activation
J234	Airbag control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T4k	4-pin connector
T12k	12-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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Glove compartment lamp switch, Engine hood contact switch, Wiper motor control module, Vehicle electrical control module system, Driver windshield wiper motor, Glove compartment lamp, Left washer nozzle heater, Right washer nozzle heater

E26	Glove compartment lamp switch
F266	Engine hood contact switch
J400	Wiper motor control module
J519	Vehicle electrical control module system
T2a	Double connector, near the headlamps
T2t	Double connector
T2u	Double connector
T4p	4-pin connector
T52a	52-pin connector
T52b	52-pin connector
V216	Driver windshield wiper motor
W6	Glove compartment lamp
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
373	Ground connection 8 (in main wiring harness)
C53	Positive connection (x) (in heated spray nozzle wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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High tone horn, Low tone horn, Rear window defogger relay, Vehicle electrical control module system, Rear window defogger

H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J9	Rear window defogger relay
J519	Vehicle electrical control module system
T9n	9-pin connector
T10t	10-pin connector
T17	17-pin connector
T52b	52-pin connector
T52c	52-pin connector
Z1	Rear window defogger
A90	Dual tone horn connection (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Front interior lamp, Luggage compartment lamp, Left rear reading lamp, Right rear reading lamp, Right center reading lamp, Rear interior lamp

J519	Vehicle electrical control module system
T5y	5-pin connector
T6b	6-pin connector
T8d	8-pin connector
T52b	52-pin connector
W1	Front interior lamp
W3	Luggage compartment lamp
W11	Left rear reading lamp
W12	Right rear reading lamp
W39	Left center reading lamp
W40	Right center reading lamp
W43	Rear interior lamp
347	Ground connection (in roof wiring harness)
459	Ground connection 15 (in interior wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
B219	Positive connection 4 (30a) (in interior wiring harness)
B250	Positive connection (in roof wiring harness)
*	Flat conductor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Blocking diode, Vehicle electrical control module system, Cigarette lighter, 12 V socket, Front passenger vanity mirror lamp, Driver vanity mirror lamp

F147	Driver vanity mirror lamp contact switch
F148	Front passenger vanity mirror lamp contact switch
J29	Blocking diode
J519	Vehicle electrical control module system
L28	Cigarette lighter illumination bulb
T3g	3-pin connector
T3j	3-pin connector
T52c	52-pin connector
U1	Cigarette lighter
U5	12 V socket
W14	Front passenger vanity mirror lamp
W20	Driver vanity mirror lamp
43	Ground connection on A-pillar, lower right
347	Ground connection (in roof wiring harness)
380	Ground connection 15 (in main wiring harness)
383	Ground connection 18 (in main wiring harness)
B250	Positive connection (in roof wiring harness)
B349	Connection 75a (in main wiring harness) 2
*	Flat conductor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Emergency flasher button, Brake lamp switch, Vehicle electrical control module system, Emergency flasher indicator lamp, Left front entry lamp, Right front entry lamp

E229	Emergency flasher button
F	Brake lamp switch
J104	ABS control module
J519	Vehicle electrical control module system
K6	Emergency flasher indicator lamp
T4y	4-pin connector
T6bq	6-pin connector
T47	47-pin connector
T52b	52-pin connector
T52c	52-pin connector
W31	Left front entry lamp
W32	Right front entry lamp
B131	Connection 54 (in interior wiring harness)
R56	Entry lamp connection (in driver door wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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High pressure sensor, A/C control module, Fresh air blower

G65	High pressure sensor
J301	A/C control module
N24	Fresh air blower series resistor with fuse
T2i	Double connector
T3c	3-pin connector
T4r	4-pin connector
T5	5-pin connector
T10k	10-pin connector, on the heating and A/C unit
T20c	20-pin connector
V2	Fresh air blower
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
L6	Connection 2 (in A/C unit wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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rt	=	red
br	=	brown
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li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Oil pressure switch, Left front brake pad wear sensor, Instrument cluster

F1	Oil pressure switch
G34	Left front brake pad wear sensor
J17	Fuel pump relay
J285	Instrument cluster control module
J643	Fuel primer relay
K	Instrument cluster
K3	Oil pressure indicator lamp
K29	Glow plug indicator lamp
K31	Cruise control indicator lamp
K32	Brake pad wear indicator lamp
K37	Windshield washer fluid level indicator lamp
K38	Oil level indicator lamp
K65	Indicator lamp for left turn signal
K94	Right turn signal indicator lamp
K105	Low fuel level indicator lamp
K115	Anti-theft immobilizer system indicator lamp
K161	Electromechanical power steering indicator lamp
K171	Hood -open- indicator lamp
K220	Tire pressure monitoring display indicator lamp
N70	Ignition coil 1 with power output stage
T2y	Double connector
T4af	4-pin connector
T14a	14-pin connector
T32c	32-pin connector
85	Ground connection 1 (in engine compartment wiring harness)
382	Ground connection 17 (in main wiring harness)
642	Electronic fan control ground connection
B350	Positive connection 1 (87a) (in main wiring harness)

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Outside air temperature sensor, Engine coolant level sensor, Windshield washer fluid level sensor, Data bus on board diagnostic interface, Instrument cluster

G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface
K	Instrument cluster
K19	Seat belt indicator lamp
K28	Engine coolant level/temperature indicator lamp
K83	Malfunction indicator lamp
K118	Brake system indicator lamp
K166	Door ajar indicator lamp
K170	Lamp failure indicator lamp
K201	Fuel filler door lock indicator lamp
K205	Daytime running lamp indicator lamp
T2z	Double connector
T20	20-pin connector
T32c	32-pin connector
(410)	Sensor ground connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Data bus on board diagnostic interface

G42	Intake air temperature sensor
J104	ABS control module
J217	Transmission control module
J234	Airbag control module
J533	Data bus on board diagnostic interface
J623	Engine control module
T5d	5-pin connector
T16	16-pin connector
T20	20-pin connector
T47	47-pin connector
T52	52-pin connector
T75	75-pin connector
T94	94-pin connector
U31	Diagnostic connection
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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Comfort system (NAR)

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Battery, Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse panel C, Fuse 29 (on fuse panel B)

A	Battery
C	Generator
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC12	Fuse 12 (on fuse panel C)
SC23	Fuse 23 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC26	Fuse 26 (on fuse panel C)
SB29	Fuse 29 (on fuse panel B)
SC33	Fuse 33 (on fuse panel C)
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A1	Positive connection (30a) (in instrument panel wiring harness)
A62	Power window connection (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left front window regulator switch, Left rear window regulator switch in driver door, Right rear window regulator switch in driver door, Right front power window switch in driver door, Child safety lock button, Driver door control module

E40	Left front window regulator switch
E53	Left rear window regulator switch in driver door
E55	Right rear window regulator switch in driver door
E81	Right front power window switch in driver door
E318	Child safety lock button
J386	Driver door control module
L76	Push button illumination bulb
T10c	10-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V147	Driver window regulator motor
267	Ground connection 2 (in driver door wiring harness)
Q38	Positive connection 1 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Mirror adjusting switch, Mirror selector switch, Exterior rearview mirror heating switch, Driver interior locking button, Driver door control module, Driver interior locking indicator lamp, Mirror adjustment switch illumination bulb

E43	Mirror adjusting switch
E48	Mirror selector switch
E231	Exterior rearview mirror heating switch
E308	Driver interior locking button
J386	Driver door control module
K174	Driver interior locking indicator lamp
L76	Push button illumination bulb
L78	Mirror adjustment switch illumination bulb
T2f	Double connector
T4n	4-pin connector
T6a	6-pin connector
T32a	32-pin connector
267	Ground connection 2 (in driver door wiring harness)
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Rear lid remote release button, Driver door control module, Driver mirror adjustment motor 2, Driver mirror adjustment motor

E233	Rear lid remote release button
J386	Driver door control module
L76	Push button illumination bulb
L131	Driver exterior rearview mirror turn signal bulb
T4w	4-pin connector
T16a	16-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V17	Driver mirror adjustment motor 2
V149	Driver mirror adjustment motor
Z4	Heated driver exterior rearview mirror
43	Ground connection on A-pillar, lower right
89	Ground connection 1 (in power window wiring harness)
267	Ground connection 2 (in driver door wiring harness)
385	Ground connection 20 (in main wiring harness)
388	Ground connection 23 (in main wiring harness)
602	Ground connection in left front footwell
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger door window regulator switch, Front passenger interior locking button, Driver door contact switch, Driver central locking lock unit, Driver door control module, Front passenger door control module, Driver door central locking system motor, Front passenger window regulator motor

E107	Front passenger door window regulator switch
E309	Front passenger interior locking button
F2	Driver door contact switch
F220	Driver central locking lock unit
J386	Driver door control module
J387	Front passenger door control module
L76	Push button illumination bulb
T4c	4-pin connector
T4z	4-pin connector
T8b	8-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28a	28-pin connector
T32b	32-pin connector
V56	Driver door central locking system motor
V148	Front passenger window regulator motor
(268)	Ground connection 2 (in front passenger door wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger door contact switch, Front passenger central locking lock unit, Front passenger door control module, Front passenger side mirror adjustment motor 2, Front passenger door central locking system motor, Front passenger mirror adjustment motor

F3	Front passenger door contact switch
F221	Front passenger central locking lock unit
J387	Front passenger door control module
L132	Front passenger exterior rearview mirror turn signal bulb
T8c	8-pin connector
T16d	16-pin connector
T20b	20-pin connector
T28a	28-pin connector
V25	Front passenger side mirror adjustment motor 2
V57	Front passenger door central locking system motor
V150	Front passenger mirror adjustment motor
Z5	Heated front passenger exterior rearview mirror
107	Ground connection (in exterior mirror wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left rear power window switch in left rear door, Left rear interior locking button, Left rear door contact switch, Left rear central locking lock unit, Driver side rear door control module, Left rear window regulator motor, Left rear central locking system motor

E52	Left rear power window switch in left rear door
E310	Left rear interior locking button
F10	Left rear door contact switch
F222	Left rear central locking lock unit
J926	Driver side rear door control module
L76	Push button illumination bulb
T4d	4-pin connector
T4i	4-pin connector
T6i	6-pin connector
T18b	18-pin connector
T28b	28-pin connector
V26	Left rear window regulator motor
V115	Left rear central locking system motor
168	Ground connection (in left swinging door wiring harness)
Q40	Positive connection 3 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right rear window switch in right rear door, Right rear interior locking button, Right rear door contact switch, Right rear central locking lock unit, Passenger side rear door control module, Right rear window regulator motor, Right rear door central locking system motor

E54	Right rear window switch in right rear door
E311	Right rear interior locking button
F11	Right rear door contact switch
F223	Right rear central locking lock unit
J927	Passenger side rear door control module
L76	Push button illumination bulb
T4e	4-pin connector
T4h	4-pin connector
T6l	6-pin connector
T18c	18-pin connector
T28c	28-pin connector
V27	Right rear window regulator motor
V97	Right rear door central locking system motor
169	Ground connection (in right swinging door wiring harness)
Q41	Positive connection 4 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Interior monitoring sensor, Vehicle inclination sensor, Alarm horn, Vehicle electrical control module system, Right position lamp bulb

E26	Glove compartment lamp switch
F47	Brake pedal switch
G273	Interior monitoring sensor
G384	Vehicle inclination sensor
H12	Alarm horn
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
M3	Right position lamp bulb
T3ad	3-pin connector
T3f	3-pin connector
T4y	4-pin connector
T6am	6-pin connector
T8d	8-pin connector
T9b	9-pin connector
T10j	10-pin connector
T52b	52-pin connector
Y7	Automatic dimming interior rearview mirror
347	Ground connection (in roof wiring harness)
378	Ground connection 13 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
459	Ground connection 15 (in interior wiring harness)
656	Ground connection on right headlamp
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
B549	LIN bus connection 2 (in main wiring harness)
*	Flat conductor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock unit, Vehicle electrical control module system, Left tail lamp bulb, Fuel filler door unlock motor, Rear lid opening motor, Luggage compartment lamp

E1	Light switch
E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F256	Rear lid lock unit
J519	Vehicle electrical control module system
M4	Left tail lamp bulb
T2n	Double connector
T4f	4-pin connector
T5o	5-pin connector
T10h	10-pin connector
T16	16-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
U31	Diagnostic connection
V155	Fuel filler door unlock motor
V254	Rear lid opening motor
W3	Luggage compartment lamp
47	Ground connection in right front footwell
50	Ground connection in luggage compartment, left
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
369	Ground connection 4 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

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Engine hood contact switch, Vehicle electrical control module system

F34	Brake fluid level warning switch
F266	Engine hood contact switch
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
M5	Left front turn signal bulb
T2a	Double connector
T2v	Double connector
T10i	10-pin connector
T20	20-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Refer to applicable wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunroof adjustment regulator, Sunroof tilt button 1, Roof shade button 1, Power sunroof control module, Roof shade control module, Fuse 39 (on fuse panel C), Sunroof motor, Sunroof shade motor

E139	Sunroof adjustment regulator
E582	Sunroof tilt button 1
E584	Roof shade button 1
J245	Power sunroof control module
J394	Roof shade control module
L76	Push button illumination bulb
SC39	Fuse 39 (on fuse panel C)
T6c	6-pin connector
V1	Sunroof motor
V260	Sunroof shade motor
178	Ground connection (in sunroof wiring harness)
B577	LIN bus connection (in roof wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Automatic Transmission (DSG) 02E , (0ES)

From July 2009

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Battery

A	Battery
B	Starter
C	Generator
J301	A/C Control Module
J682	Terminal 50 Power Supply Relay
SA1	Fuse 1 (On Fuse Panel A)
SC2	Fuse 2 (On Fuse Panel C)
SA5	Fuse 5 (On Fuse Panel A)
SC14	Fuse 14 (On Fuse Panel C)
SC24	Fuse 24 (On Fuse Panel C)
T9b	9-Pin Connector
T20c	20-Pin Connector
1	Ground Strap, Battery to Body
12	Ground Connection in Engine Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A189	Positive Connection 5 (30a) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)
*	Optional Equipment
*2	16.0 Diameter Possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Motronic Engine Control Module Power Supply Relay, Terminal 30 Power Supply Relay, Vehicle Electrical System Control Module, Terminal 15 Power Supply Relay 2

J271	Motronic Engine Control Module Power Supply Relay
J317	Terminal 30 Power Supply Relay
J519	Vehicle Electrical System Control Module
J623	Engine/Motor Control Module
J681	Terminal 15 Power Supply Relay 2
SB5	Fuse 5 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB10	Fuse 10 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
T9i	9-Pin Connector
T40	40-Pin Connector
T52b	52-Pin Connector
T94	94-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
D78	Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
*	Refer to Applicable Engine Wiring Diagram
*2	1.5 Diameter Possible

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Transmission Input Speed Sensor, Automatic Transmission Hydraulic Pressure Sensor 1, Automatic Transmission Hydraulic Pressure Sensor 2, Clutch Oil Temperature Sensor, Dual-Clutch Transmission Mechatronic

E229	Emergency Flasher Button
G182	Transmission Input Speed Sensor
G193	Automatic Transmission Hydraulic Pressure Sensor 1
G194	Automatic Transmission Hydraulic Pressure Sensor 2
G509	Clutch Oil Temperature Sensor
J743	Dual-Clutch Transmission Mechatronic
N88	Solenoid Valve 1
N89	Solenoid Valve 2
N90	Solenoid Valve 3
N91	Solenoid Valve 4
N92	Solenoid Valve 5
T4	4-Pin Connector
T4q	4-Pin Connector
T20e	20-Pin Connector
47	Ground Connection in Right Front Footwell
114	Ground Connection (in Automatic Transmission Wiring Harness)
372	Ground Connection 7 (in Main Wiring Harness)
375	Ground Connection 10 (in Main Wiring Harness)
655	Ground Connection on Left Headlamp
D92	Connection 30al (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Selector Lever Park Position Lock Switch, Selector Lever Sensor System Control Module, Dual-Clutch Transmission Mechatronic, Automatic Transmission Pressure Regulating Valve 1, Automatic Transmission Pressure Regulating Valve 2, Automatic Transmission Pressure Regulating Valve 3, Automatic Transmission Pressure Regulating Valve 4, Automatic Transmission Pressure Regulating Valve 5, Automatic Transmission Pressure Regulating Valve 6

F319	Selector Lever Park Position Lock Switch
J587	Selector Lever Sensor System Control Module
J743	Dual-Clutch Transmission Mechatronic
N215	Automatic Transmission Pressure Regulating Valve 1
N216	Automatic Transmission Pressure Regulating Valve 2
N217	Automatic Transmission Pressure Regulating Valve 3
N218	Automatic Transmission Pressure Regulating Valve 4
N233	Automatic Transmission Pressure Regulating Valve 5
N371	Automatic Transmission Pressure Regulating Valve 6
T10s	10-Pin Connector, Under the Selector Lever

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Transmission Fluid Temperature Sensor, Gear Position Distance Sensor 1, Gear Position Distance Sensor 2, Gear Position Distance Sensor 3, Gear Position Distance Sensor 4, Selector Lever Sensor System Control Module, Dual-Clutch Transmission Mechatronic, Selector Lever Scale Illumination Bulb, Shift Lock Solenoid, Transmission Range Display

G93	Transmission Fluid Temperature Sensor
G487	Gear Position Distance Sensor 1
G488	Gear Position Distance Sensor 2
G489	Gear Position Distance Sensor 3
G490	Gear Position Distance Sensor 4
J587	Selector Lever Sensor System Control Module
J743	Dual-Clutch Transmission Mechatronic
L101	Selector Lever Scale Illumination Bulb
N110	Shift Lock Solenoid
T2p	2-Pin Connector, Under the Selector Lever
T10s	10-Pin Connector, Under the Selector Lever
T10w	10-Pin Connector, Under the Selector Lever
Y6	Transmission Range Display

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Transmission Output Speed Sensor, Drive Axle Speed Sensor 1, Temperature Sensor in Control Module, Vehicle Electrical System Control Module, Dual-Clutch Transmission Mechatronic

E1	Light Switch
E256	ASR/ESP Button
G195	Transmission Output Speed Sensor
G196	Transmission Output Speed Sensor 2
G501	Drive Axle Speed Sensor 1
G502	Drive Axle Speed Sensor 2
G510	Temperature Sensor in Control Module
J519	Vehicle Electrical System Control Module
J743	Dual-Clutch Transmission Mechatronic
T6ad	6-Pin Connector
T10h	10-Pin Connector
T20e	20-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A76	Ks-Diagnostic Lead Connection (in Instrument Panel Wiring Harness)
B238	Positive Connection 2 (58b) (in Interior Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)

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Multifunction Indicator, Instrument Cluster Control Module, Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface

J119	Multifunction Indicator
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J533	Data Bus on Board Diagnostic Interface
J623	Engine/Motor Control Module
N376	Ignition Switch Key Lock Solenoid
T12j	12-Pin Connector
T16	16-Pin Connector
T20	20-Pin Connector
T20d	20-Pin Connector
T32c	32-Pin Connector
T52c	52-Pin Connector
U31	Diagnostic Connection
382	Ground Connection 17 (in Main Wiring Harness)
A76	Ks-Diagnostic Lead Connection (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)
*	Refer to Applicable Engine Wiring Diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag systems with front and rear head curtain airbag , (4X4)

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Battery, Starter, Generator, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J285	Instrument cluster control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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Driver seat belt switch, Front passenger seat belt switch, Airbag spiral spring/return spring with slip ring, Airbag control module, Front passenger airbag -disabled- indicator lamp, Push button illumination bulb, Driver airbag igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
F138	Airbag spiral spring/return spring with slip ring
J234	Airbag control module
J527	Steering column electronics control module
K145	Front passenger airbag -disabled- indicator lamp
L76	Push button illumination bulb
N95	Driver airbag igniter
T2aa	Double connector
T2ab	Double connector
T2j	Double connector
T2k	Double connector
T4g	4-pin connector
T4k	4-pin connector
T12k	12-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	Only for vehicles with US equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver thorax airbag crash sensor, Front passenger thorax airbag crash sensor, Driver side rear thorax airbag crash sensor, Passenger side rear thorax airbag crash sensor, Driver front airbag crash sensor, Passenger side front airbag crash sensor, Airbag control module

G179	Driver thorax airbag crash sensor
G180	Front passenger thorax airbag crash sensor
G256	Driver side rear thorax airbag crash sensor
G257	Passenger side rear thorax airbag crash sensor
G283	Driver front airbag crash sensor
G284	Passenger side front airbag crash sensor
J234	Airbag control module
T28	28-pin connector
T28a	28-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Passenger occupant detection system pressure sensor, Passenger occupant detection system seat belt force sensor, Airbag control module, Passenger occupant detection system control module, Front passenger thorax airbag igniter

G452	Passenger occupant detection system pressure sensor
G453	Passenger occupant detection system seat belt force sensor
J234	Airbag control module
J706	Passenger occupant detection system control module
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
T3aa	3-pin connector
T3ab	3-pin connector
T3s	3-pin connector
T3x	3-pin connector
T3z	3-pin connector
T10r	10-pin connector
T18e	18-pin connector
T75	75-pin connector
(109)	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Front passenger airbag igniter 1, Front passenger airbag igniter 2, Driver seat belt tensioner igniter 1, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter, Passenger side rear thorax airbag igniter

J234	Airbag control module
N131	Front passenger airbag igniter 1
N132	Front passenger airbag igniter 2
N153	Driver seat belt tensioner igniter 1
N196	Driver side rear seat belt tensioner igniter
N197	Passenger side rear seat belt tensioner igniter
N202	Passenger side rear thorax airbag igniter
T3t	3-pin connector
T3u	3-pin connector
T3v	3-pin connector
T5i	5-pin connector
T5t	5-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Airbag control module, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Airbag indicator lamp, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

J104	ABS control module
J234	Airbag control module
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K75	Airbag indicator lamp
N154	Front passenger seat belt tensioner igniter 1
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T2av	Double connector
T2aw	Double connector
T2ax	Double connector
T20	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

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2.5L Gasoline Engine , CBTA,CBUA

From July 2009

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Battery, Starter, Generator, Vehicle Electrical System Control Module

A	Battery
B	Starter
C	Generator
C1	Voltage Regulator
J519	Vehicle Electrical System Control Module
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
T2	2-Pin Connector
T3ba	3-Pin Connector
T4t	4-Pin Connector, Near the Starter
T52c	52-Pin Connector
T94	94-Pin Connector
U11	Interior Socket, 230 V, 110 V
1	Ground Strap, Battery to Body
12	Ground Connection in Engine Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A17	Connection 61 (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Steering Column Electronics Control Module

D	Ignition/Starter Switch
E45	Cruise Control Switch
E227	Cruise Control -Set- Button
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
T20d	20-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Motronic Engine Control Module Power Supply Relay, Fuse Panel B

J271	Motronic Engine Control Module Power Supply Relay
SB	Fuse Panel B
SB13	Fuse 13 (On Fuse Panel B)
SB14	Fuse 14 (On Fuse Panel B)
SB15	Fuse 15 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
SB23	Fuse 23 (On Fuse Panel B)
SB24	Fuse 24 (On Fuse Panel B)
T14a	14-Pin Connector, Near the Battery
T40	40-Pin Connector
D78	Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
*	Optional Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Secondary Air Injection Pump Relay, Fuse Panel B, Secondary Air Injection Pump Motor

J299	Secondary Air Injection Pump Relay
SB	Fuse Panel B
SB6	Fuse 6 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB10	Fuse 10 (On Fuse Panel B)
SB21	Fuse 21 (On Fuse Panel B)
SB27	Fuse 27 (On Fuse Panel B)
T40	40-Pin Connector
V101	Secondary Air Injection Pump Motor
655	Ground Connection on Left Headlamp
A23	Connection 30al (in Instrument Panel Wiring Harness)
*	Depending on Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Level Sensor, Fuel Delivery Unit, Transfer Fuel Pump, Fuel Pump Relay, Fuel Supply Relay

G	Fuel Level Sensor
GX1	Fuel Delivery Unit
G6	Transfer Fuel Pump
J17	Fuel Pump Relay
J386	Driver Door Control Module
J387	Front Passenger Door Control Module
J643	Fuel Supply Relay
SC12	Fuse 12 (On Fuse Panel C)
SC27	Fuse 27 (On Fuse Panel C)
T3j	3-Pin Connector
T5b	5-Pin Connector
T20a	20-Pin Connector
T20b	20-Pin Connector
T28	28-Pin Connector
T28a	28-Pin Connector
U5	12 V Socket
51	Ground Connection in Luggage Compartment, Right
383	Ground Connection 18 (in Main Wiring Harness)
A1	Positive Connection 30a (in Instrument Panel Wiring Harness)
B156	Positive Connection 30a (in Interior Wiring Harness)
B350	Positive Connection 1 (87a) (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Engine Control Module, Terminal 50 Power Supply Relay

J623 Engine Control Module
J682 Terminal 50 Power Supply Relay
T9b 9-Pin Connector
T94 94-Pin Connector

131 Ground Connection 2 (in Engine Compartment Wiring Harness)

402 Interior Lighting Ground Connection (in Interior Wiring Harness)

607 Ground Connection in Plenum Chamber, Left

A41 Positive Connection (50) (in Instrument Panel Wiring Harness)

D182 Connection 3 (87A) (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module, Ignition Coil 1 with Power Output Stage, Ignition Coil 2 with Power Output Stage, Ignition Coil 3 with Power Output Stage, Ignition Coil 4 with Power Output Stage, Spark Plug Connectors, Spark Plugs

J623	Engine Control Module
N70	Ignition Coil 1 with Power Output Stage
N127	Ignition Coil 2 with Power Output Stage
N291	Ignition Coil 3 with Power Output Stage
N292	Ignition Coil 4 with Power Output Stage
P	Spark Plug Connectors
Q	Spark Plugs
T4af	4-Pin Connector
T4ag	4-Pin Connector
T4ah	4-Pin Connector
T4ai	4-Pin Connector
T14a	14-Pin Connector, Near the Battery
T60	60-Pin Connector
15	Ground Connection on Cylinder Head
85	Ground Connection 1 (in Engine Compartment Wiring Harness)
281	Ground Connection 1 (in Engine Pre-Wiring Harness)
642	Electronic Fan Control Ground Connection
D20	Connection 87A (in Right Front Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Coolant Temperature Sensor on Radiator Outlet, EPC Throttle Drive, Throttle Valve Control Module, Engine Control Module, Ignition Coil 5 with Power Output Stage, Spark Plug Connectors

G69	Throttle Position Sensor
G83	Engine Coolant Temperature Sensor on Radiator Outlet
G186	EPC Throttle Drive
G188	EPC Throttle Drive Angle Sensor 2
J338	Throttle Valve Control Module
J623	Engine Control Module
N323	Ignition Coil 5 with Power Output Stage
P	Spark Plug Connectors
Q	Spark Plugs
T4aj	4-Pin Connector
T6x	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
85	Ground Connection 1 (in Engine Compartment Wiring Harness)
281	Ground Connection 1 (in Engine Pre-Wiring Harness)
D20	Connection 87A (in Right Front Wiring Harness)
D108	Connection 6 (in Engine Compartment Wiring Harness)
D109	Connection 7 (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Camshaft Position Sensor, Knock Sensor 1, Knock Sensor 2, Manifold Absolute Pressure Sensor, Engine Control Module

G40	Camshaft Position Sensor	
G61	Knock Sensor 1	
G66	Knock Sensor 2	
G71	Manifold Absolute Pressure Sensor	
J623	Engine Control Module	
T60	60-Pin Connector	
D101	Connection 1 (in Engine Compartment Wiring Harness)	
D103	Connection 3 (in Engine Compartment Wiring Harness)	
*	Depending on Equipment	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Speed Sensor, Engine Coolant Temperature Sensor, Engine Control Module, EVAP Canister Purge Regulator Valve 1, Camshaft Adjustment Valve 1

G28	Engine Speed Sensor
G62	Engine Coolant Temperature Sensor
J623	Engine Control Module
N80	EVAP Canister Purge Regulator Valve 1
N205	Camshaft Adjustment Valve 1
T4x	4-Pin Connector
T14a	14-Pin Connector, Near the Battery
T60	60-Pin Connector
T94	94-Pin Connector
(A99)	Connection 87 (in Instrument Panel Wiring Harness) 1
(D107)	Connection 5 (in Engine Compartment Wiring Harness)
(D181)	Connection 2 (87A) (in Engine Compartment Wiring Harness)
*	Radiator Fan Connection

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module, Cylinder 1 Fuel Injector, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector, Cylinder 5 Fuel Injector

J623	Engine Control Module
N30	Cylinder 1 Fuel Injector
N31	Cylinder 2 Fuel Injector
N32	Cylinder 3 Fuel Injector
N33	Cylinder 4 Fuel Injector
N83	Cylinder 5 Fuel Injector
T14a	14-Pin Connector
T60	60-Pin Connector
D136	Positive Connection 2 (15a) (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated Oxygen Sensor, Accelerator Pedal Position Sensor, Accelerator Pedal Position Sensor 2, Engine Control Module

G39	Heated Oxygen Sensor
G79	Accelerator Pedal Position Sensor
G185	Accelerator Pedal Position Sensor 2
J623	Engine Control Module
T6h	6-Pin Connector
T6w	6-Pin Connector
T94	94-Pin Connector
*	Depending on Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

155 156 157 158 159 160 161 162 163 164 165 166 167 168

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Oxygen Sensor After Catalytic Converter, Center Oxygen Sensor for Bank 1 Catalytic Converter, Engine Control Module

G130	Oxygen Sensor After Catalytic Converter
G465	Center Oxygen Sensor for Bank 1 Catalytic Converter
J623	Engine Control Module
T4ao	4-Pin Connector
T4v	4-Pin Connector
T94	94-Pin Connector
E30	Connection 87A (in Engine Wiring Harness)
*	Optional Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Lamp Switch, Brake Pedal Switch, Clutch Position Sensor, Secondary Air Injection Sensor 1, Engine Control Module, Secondary Air Injection Solenoid Valve, Leak Detection Pump

F	Brake Lamp Switch	
F47	Brake Pedal Switch	
G476	Clutch Position Sensor	
G609	Secondary Air Injection Sensor 1	
J623	Engine Control Module	
N112	Secondary Air Injection Solenoid Valve	
T3d	3-Pin Connector	
T4aw	4-Pin Connector	
T4y	4-Pin Connector	
T5m	5-Pin Connector	
T14a	14-Pin Connector	
T60	60-Pin Connector	
T94	94-Pin Connector	
V144	Leak Detection Pump	
B131	Connection 54 (in Interior Wiring Harness)	
E7	Connection 87a (in Motronic Multiform Fuel Injection Wiring Harness)	
*	Depending on Equipment	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Engine Control Module, Terminal 15 Power Supply Relay 2

J104	ABS Control Module
J519	Vehicle Electrical System Control Module
J623	Engine Control Module
J681	Terminal 15 Power Supply Relay 2
SC2	Fuse 2 (On Fuse Panel C)
T9i	9-Pin Connector
T47	47-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
T94	94-Pin Connector
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
*	For Vehicles with Anti-Lock Braking System (ABS) and Electronic Stabilization Program (ESP)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument Cluster Control Module, Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface

H3	Warning Buzzer and Tone
J234	Airbag Control Module
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
J533	Data Bus on Board Diagnostic Interface
K	Instrument Cluster
K3	Oil Pressure Indicator Lamp
T20	20-Pin Connector
T32c	32-Pin Connector
T52c	52-Pin Connector
T75	75-Pin Connector
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil Pressure Switch, Fuel Gauge, Engine Coolant Temperature Gauge, Tachometer, Speedometer, Instrument Cluster Control Module, Vehicle Electrical System Control Module, Generator Indicator Lamp, Engine Coolant Level/Temperature Indicator Lamp, Cruise Control Indicator Lamp, Low Fuel Level Indicator Lamp, Electronic Power Control Malfunction Indicator Lamp

F1	Oil Pressure Switch
G1	Fuel Gauge
G3	Engine Coolant Temperature Gauge
G5	Tachometer
G21	Speedometer
G32	Engine Coolant Level Sensor
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
K	Instrument Cluster
K2	Generator Indicator Lamp
K28	Engine Coolant Level/Temperature Indicator Lamp
K31	Cruise Control Indicator Lamp
K83	Malfunction Indicator Lamp
K105	Low Fuel Level Indicator Lamp
K132	Electronic Power Control Malfunction Indicator Lamp
T14a	14-Pin Connector
T32c	32-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
410	Sensor Ground Connection 1 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Power steering , (1N5)

from July 2009

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Battery, Vehicle electrical control module system, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
SA1	Fuse 1 (on fuse panel A)
SA2	Fuse 2 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Steering angle sensor, Steering torque sensor, Power steering control module, Electromechanical power steering motor

G85	Steering angle sensor
G269	Steering torque sensor
J500	Power steering control module
J533	Data bus on board diagnostic interface
J623	Engine control module
J682	Terminal 50 power supply relay
SC2	Fuse 2 (on fuse panel C)
T2l	Double connector
T3ao	3-pin connector
T4ae	4-pin connector
T5g	5-pin connector
T6z	6-pin connector
T9	9-pin connector
T20	20-pin connector
T94	94-pin connector
V187	Electromechanical power steering motor
640	Ground connection 2 in engine compartment, left
A2	Positive connection (15) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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2.0L Diesel Engine , CJAA

From July 2009

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Battery, Starter, Generator, Voltage Regulator, Fuse 1 (On Fuse Panel A), Fuse 5 (On Fuse Panel A)

A	Battery
B	Starter
C	Generator
C1	Voltage Regulator
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
T3ba	3-Pin Connector
T4t	4-Pin Connector, Near the Starter
U11	Interior Socket, 230 V, 110 V
1	Ground Strap, Battery to Body
12	Ground Connection in Engine Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A17	Connection 61 (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Terminal 50 Power Supply Relay

D	Ignition/Starter Switch
E45	Cruise Control Switch
E227	Cruise Control -Set- Button
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J682	Terminal 50 Power Supply Relay
T9b	9-Pin Connector
T20d	20-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A17	Connection 61 (in Instrument Panel Wiring Harness)
A41	Positive Connection (50) (in Instrument Panel Wiring Harness)
A201	Positive Connection 6 (15a) (in Instrument Panel Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 30 Power Supply Relay, Fuse Panel B

J317	Terminal 30 Power Supply Relay
SB	Fuse Panel B
SB6	Fuse 6 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB13	Fuse 13 (On Fuse Panel B)
SB14	Fuse 14 (On Fuse Panel B)
SB15	Fuse 15 (On Fuse Panel B)
SB21	Fuse 21 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
SB23	Fuse 23 (On Fuse Panel B)
T14a	14-Pin Connector
T40	40-Pin Connector
A23	Connection 30al (in Instrument Panel Wiring Harness)
D78	Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
D183	Connection 4 (87A) (in Engine Compartment Wiring Harness)
E30	Connection 87A (in Engine Wiring Harness)
*	Contact Bridge, Only Vehicles with Diesel Engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Pump Relay, Terminal 15 Power Supply Relay 2, Auxiliary Fuel Pump Relay, Fuse Panel B, Fuse Panel C, Auxiliary Fuel Pump

J17	Fuel Pump Relay
J681	Terminal 15 Power Supply Relay 2
J832	Auxiliary Fuel Pump Relay
SB	Fuse Panel B
SB10	Fuse 10 (On Fuse Panel B)
SB24	Fuse 24 (On Fuse Panel B)
SB27	Fuse 27 (On Fuse Panel B)
SC	Fuse Panel C
SC1	Fuse 1 (On Fuse Panel C)
SC2	Fuse 2 (On Fuse Panel C)
SC12	Fuse 12 (On Fuse Panel C)
SC27	Fuse 27 (On Fuse Panel C)
T9i	9-Pin Connector
T10ag	10-Pin Connector
T16	16-Pin Connector
T40	40-Pin Connector
U31	Diagnostic Connection
V393	Auxiliary Fuel Pump
656	Ground Connection on Right Headlamp
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A192	Positive Connection 3 (15a) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B156	Positive Connection 30a (in Interior Wiring Harness)
*	Contact Bridge, Only Vehicles with Diesel Engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module, Positive Crankcase Ventilation Heating Element

J623	Engine Control Module	
N79	Positive Crankcase Ventilation Heating Element	
T60	60-Pin Connector	
T94	94-Pin Connector	
131	Ground Connection 2 (in Engine Compartment Wiring Harness)	
607	Ground Connection in Plenum Chamber, Left	
B441	Cruise Control Connection (in Main Wiring Harness)	
D182	Connection 3 (87A) (in Engine Compartment Wiring Harness)	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Charge Air Pressure Sensor, Intake Air Temperature Sensor, Accelerator Pedal Position Sensor, Accelerator Pedal Position Sensor 2, Engine Control Module, Fuel Pressure Regulator Valve, Fuel Metering Valve

G31	Charge Air Pressure Sensor
G42	Intake Air Temperature Sensor
G79	Accelerator Pedal Position Sensor
G185	Accelerator Pedal Position Sensor 2
J623	Engine Control Module
N276	Fuel Pressure Regulator Valve
N290	Fuel Metering Valve
T4bw	4-Pin Connector
T6h	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
(D189)	Connection 87A (in Engine Pre-Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Exhaust Pressure Sensor 1, Differential Pressure Sensor, Engine Control Module, Exhaust Door Control Unit, Wastegate Bypass Regulator Valve

G450	Exhaust Pressure Sensor 1
G505	Differential Pressure Sensor
J623	Engine Control Module
J883	Exhaust Door Control Unit
N75	Wastegate Bypass Regulator Valve
T5s	5-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
D110	Connection 8 (in Engine Compartment Wiring Harness)
D111	Connection 9 (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Heated Oxygen Sensor, Camshaft Position Sensor, Intake Manifold Runner Position Sensor, Engine Control Module, Intake Flap Motor

G39	Heated Oxygen Sensor
G40	Camshaft Position Sensor
G336	Intake Manifold Runner Position Sensor
J623	Engine Control Module
T3q	3-Pin Connector
T6w	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
V157	Intake Flap Motor
D35	Positive Connection 1 (15a) (in Engine Pre-Wiring Harness)
D141	Connection 5V (in Engine Pre-Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Automatic Glow Time Control Module, Engine Control Module, Glow Plug 1, Glow Plug 2, Glow Plug 3, Glow Plug 4

G620	Cylinder 1 Internal Pressure Sensor
G621	Cylinder 2 Internal Pressure Sensor
G622	Cylinder 3 Internal Pressure Sensor
G623	Cylinder 4 Internal Pressure Sensor
J179	Automatic Glow Time Control Module
J623	Engine Control Module
Q10	Glow Plug 1
Q11	Glow Plug 2
Q12	Glow Plug 3
Q13	Glow Plug 4
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
250	Ground Connection (in Diesel Engine Pre-Wiring Harness)
D37	Glow Plug Connection (in Engine Pre-Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Fluid Level Warning Switch, Engine Coolant Temperature Sensor, EGR Temperature Sensor, Automatic Glow Time Control Module, Throttle Valve Control Module, Engine Control Module, Cylinder 1 Fuel Injector

F34	Brake Fluid Level Warning Switch
G62	Engine Coolant Temperature Sensor
G98	EGR Temperature Sensor
H2	High Tone Horn
J179	Automatic Glow Time Control Module
J338	Throttle Valve Control Module
J623	Engine Control Module
N30	Cylinder 1 Fuel Injector
T2v	2-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
282	Ground Connection (in Headlamp Washer System Wiring Harness)
376	Ground Connection 11 (in Main Wiring Harness)
381	Ground Connection 16 (in Main Wiring Harness)
642	Electronic Fan Control Ground Connection
655	Ground Connection on Left Headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Coolant Temperature Sensor on Radiator Outlet, Exhaust Gas Temperature Sensor 1, Exhaust Gas Temperature Sensor 3, Exhaust Gas Temperature Sensor 4, Engine Control Module, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector

G83	Engine Coolant Temperature Sensor on Radiator Outlet
G235	Exhaust Gas Temperature Sensor 1
G495	Exhaust Gas Temperature Sensor 3
G648	Exhaust Gas Temperature Sensor 4
J623	Engine Control Module
N31	Cylinder 2 Fuel Injector
N32	Cylinder 3 Fuel Injector
N33	Cylinder 4 Fuel Injector
T2bb	2-Pin Connector
T2bc	2-Pin Connector
T2bz	2-Pin Connector
T10ag	10-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
(D112)	Connection 10 (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Pressure Sensor, Fuel Quality Sensor, Exhaust Gas Temperature Sensor 2, Charge Air Pressure Actuator Position Sensor, Engine Control Module

G247	Fuel Pressure Sensor
G446	Fuel Quality Sensor
G448	Exhaust Gas Temperature Sensor 2
G581	Charge Air Pressure Actuator Position Sensor
J623	Engine Control Module
N213	Valve 2 for EGR
T2ba	2-Pin Connector
T6at	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
250	Ground Connection (in Diesel Engine Pre-Wiring Harness)
D105	Positive Connection 3 (58d) (in Engine Compartment Wiring Harness)
D112	Connection 10 (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Speed Sensor, Mass Airflow Sensor, Fuel Temperature Sensor, EGR Potentiometer, Engine Control Module, EGR Valve

G28	Engine Speed Sensor
G70	Mass Airflow Sensor
G81	Fuel Temperature Sensor
G212	EGR Potentiometer
J623	Engine Control Module
N18	EGR Valve
T5d	5-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
(250)	Ground Connection (in Diesel Engine Pre-Wiring Harness)
(D105)	Positive Connection 3 (58d) (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Brake Lamp Switch, Brake Pedal Switch, Clutch Position Sensor, Engine Control Module

F	Brake Lamp Switch
F47	Brake Pedal Switch
G476	Clutch Position Sensor
J104	ABS Control Module
J623	Engine Control Module
T4x	4-Pin Connector
T4y	4-Pin Connector
T5m	5-Pin Connector
T14a	14-Pin Connector
T47	47-Pin Connector
T94	94-Pin Connector
402	Interior Lighting Ground Connection (in Interior Wiring Harness)
A99	Connection 87 (in Instrument Panel Wiring Harness) 1
B131	Connection 54 (in Interior Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
*	For Vehicles with Anti-Lock Braking System (ABS) and Electronic Stabilization Program (ESP)
*2	Radiator Fan Connection

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oxygen Sensor After Catalytic Converter, Data Bus on Board Diagnostic Interface, Engine Control Module

G130	Oxygen Sensor After Catalytic Converter	
J234	Airbag Control Module	
J533	Data Bus on Board Diagnostic Interface	
J623	Engine Control Module	
T6af	6-Pin Connector	
T20	20-Pin Connector	
T75	75-Pin Connector	
T94	94-Pin Connector	
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)	
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)	
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)	
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil Pressure Switch, Fuel Level Sensor, Fuel Gauge, Fuel Delivery Unit, Engine Coolant Temperature Gauge, Transfer Fuel Pump, Speedometer, Data Bus on Board Diagnostic Interface, Instrument Cluster, Oil Pressure Indicator Lamp, Cruise Control Indicator Lamp

F1	Oil Pressure Switch
G	Fuel Level Sensor
G1	Fuel Gauge
GX1	Fuel Delivery Unit
G3	Engine Coolant Temperature Gauge
G5	Tachometer
G6	Transfer Fuel Pump
G21	Speedometer
G32	Engine Coolant Level Sensor
H3	Warning Buzzer and Tone
J285	Instrument Cluster Control Module
J533	Data Bus on Board Diagnostic Interface
K	Instrument Cluster
K2	Generator Indicator Lamp
K3	Oil Pressure Indicator Lamp
K28	Engine Coolant Level/Temperature Indicator Lamp
K31	Cruise Control Indicator Lamp
K105	Low Fuel Level Indicator Lamp
K132	Electronic Power Control Malfunction Indicator Lamp
T5b	5-Pin Connector
T14a	14-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
383	Ground Connection 18 (in Main Wiring Harness)
410	Sensor Ground Connection 1 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell
663	Ground Connection in Right Rear Side Panel

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument cluster

from July 2009

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Vehicle electrical control module system

A	Battery
C	Generator
J400	Wiper motor control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB6	Fuse 6 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
T4p	4-pin connector
T20d	20-pin connector
T40	40-pin connector
T52a	52-pin connector
T52c	52-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A23	Connection 30al (in instrument panel wiring harness)
*	Only for vehicles with DSG transmission 0AM
*2	Only for vehicles with DSG transmission 02E
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Terminal 15 power supply relay 2

G65	High pressure sensor
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T52b	52-pin connector
T52c	52-pin connector
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-theft immobilizer reader coil, Anti-theft immobilizer control module, Data bus on board diagnostic interface, Instrument cluster, High beam indicator lamp, Lamp failure indicator lamp

D2	Anti-theft immobilizer reader coil
G	Fuel level sensor
G6	Transfer fuel pump
J285	Instrument cluster control module
J362	Anti-theft immobilizer control module
J533	Data bus on board diagnostic interface
J538	Fuel pump control module
K	Instrument cluster
K1	High beam indicator lamp
K47	ABS indicator lamp
K75	Airbag indicator lamp
K132	Electronic power control malfunction indicator lamp
K155	ASR/ESP indicator lamp
K169	Shift lock indicator lamp
K170	Lamp failure indicator lamp
T2x	Double connector
T5b	5-pin connector
T10v	10-pin connector
T20	20-pin connector
T32c	32-pin connector
(A199)	Positive connection 4 (15a) (in instrument panel wiring harness)
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil pressure switch, Brake fluid level warning switch, Tachometer, Speedometer, Left front brake pad wear sensor, Instrument cluster, Door ajar indicator lamp

F	Brake lamp switch
F1	Oil pressure switch
F34	Brake fluid level warning switch
G5	Tachometer
G21	Speedometer
G34	Left front brake pad wear sensor
G65	High pressure sensor
J245	Power sunroof control module
J285	Instrument cluster control module
J400	Wiper motor control module
K	Instrument cluster
K2	Generator indicator lamp
K31	Cruise control indicator lamp
K65	Indicator lamp for left turn signal
K94	Right turn signal indicator lamp
K149	Engine electronics indicator lamp
K161	Electromechanical power steering indicator lamp
K166	Door ajar indicator lamp
M33	Left front side marker lamp bulb
T2v	Double connector
T2y	Double connector
T3c	3-pin connector
T4p	4-pin connector
T4y	4-pin connector
T6c	6-pin connector
T14a	14-pin connector
T32c	32-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
655	Ground connection on left headlamp
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking brake indicator lamp switch, Outside air temperature sensor, Engine coolant level sensor, Windshield washer fluid level sensor, Instrument cluster, Malfunction indicator lamp, Daytime running lamp indicator lamp

E1	Light switch
F9	Parking brake indicator lamp switch
G3	Engine coolant temperature gauge
G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
H3	Warning buzzer and tone
J285	Instrument cluster control module
K	Instrument cluster
K13	Rear fog lamp indicator lamp
K83	Malfunction indicator lamp
K171	Hood -open- indicator lamp
K201	Fuel filler door lock indicator lamp
K205	Daytime running lamp indicator lamp
K220	Tire pressure monitoring display indicator lamp
T2w	Double connector
T2z	Double connector
T10h	10-pin connector
T16	16-pin connector
T32c	32-pin connector
U31	Diagnostic connection
W6	Glove compartment lamp
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
410	Sensor ground connection 1 (in main wiring harness)
*	Depending on equipment
*2	Only for vehicles with a diesel engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument cluster

G	Fuel level sensor
G1	Fuel gauge
G6	Transfer fuel pump
G266	Oil level thermal sensor
J285	Instrument cluster control module
J538	Fuel pump control module
K	Instrument cluster
K3	Oil pressure indicator lamp
K19	Seat belt indicator lamp
K28	Engine coolant level/temperature indicator lamp
K29	Glow plug indicator lamp
K32	Brake pad wear indicator lamp
K37	Windshield washer fluid level indicator lamp
K38	Oil level indicator lamp
K105	Low fuel level indicator lamp
K115	Anti-theft immobilizer system indicator lamp
K118	Brake system indicator lamp
T5b	5-pin connector
T6z	6-pin connector
T10v	10-pin connector
T32c	32-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
*	Refer to applicable engine wiring diagram
*2	Depending on equipment
*3	Only for vehicles with a diesel engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Coolant fan

from July 2009

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Battery, Motronic engine control module power supply relay

A	Battery
B	Starter
C	Generator
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA3	Fuse 3 (on fuse panel A)
SB24	Fuse 24 (on fuse panel B)
T40	40-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
A99	Connection 87 (in instrument panel wiring harness) 1
*	Depending on equipment
*2	Only for vehicles with DSG transmission 02E
*3	Only for vehicles with a manual transmission
*4	Only for vehicles with DSG transmission 0AM

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Coolant fan control module, Coolant fan, Coolant fan 2

J293	Coolant fan control module
J623	Engine control module
T2ah	Double connector
T4x	4-pin connector
T94	94-pin connector
T121	121-pin connector
V7	Coolant fan
V177	Coolant fan 2
642	Electronic fan control ground connection
*	Refer to applicable engine wiring diagram
*2	Only for vehicles with two coolant fans

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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A/C system , (KH6),(9AP)

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Terminal 15 power supply relay, Vehicle electrical system control module, Terminal 75 power supply relay 1, Fuse 7 (on fuse panel B), Fuse 30 (on fuse panel B)

A	Battery
B	Starter
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J680	Terminal 75 power supply relay 1
SA6	Fuse 6 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T9i	9-pin connector
T9m	9-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
*	Depending on equipment
*2	1,5 diameter possible
*3	16,0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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High pressure sensor, A/C control module, Fuse panel C

E256	ASR/ESP button
F47	Brake pedal switch
G65	High pressure sensor
J301	A/C control module, in the engine compartment, right
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J682	Terminal 50 power supply relay
SC	Fuse panel C
SC4	Fuse 4 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T3c	3-pin connector
T4y	4-pin connector
T6ad	6-pin connector
T9b	9-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
402	Interior lighting ground connection (in interior wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	1,5 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Recirculation door motor position sensor, Footwell vent temperature sensor, Left temperature door potentiometer/ actuator, Evaporator vent temperature sensor, A/C control module, Temperature regulator door motor

E159	Fresh air/recirculation door switch
G143	Recirculation door motor position sensor
G192	Footwell vent temperature sensor
G220	Left temperature door potentiometer/actuator
G263	Evaporator vent temperature sensor
G267	Temperature selector knob potentiometer
J301	A/C control module, in the engine compartment, right
K10	Rear window defogger indicator lamp
K114	Fresh air and recirculation mode indicator lamp
T6k	6-pin connector
T6m	6-pin connector
T16e	16-pin connector
V68	Temperature regulator door motor
V113	Recirculation door motor
L2	Connection (in A/C system wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
*	Only for vehicles with Climatic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Center vent temperature sensor, Air distribution door motor position sensor, A/C control module, A/C compressor regulator valve, Air distribution door motor

E30	A/C switch
E94	Heated driver seat adjuster
E230	Rear window defogger button
F34	Brake fluid level warning switch
G191	Center vent temperature sensor
G645	Air distribution door motor position sensor
J301	A/C control module, in the engine compartment, right
J400	Wiper motor control module
J774	Front seat heating control module
N280	A/C compressor regulator valve
T2v	Double connector
T4p	4-pin connector
T4t	4-pin connector
T6bw	6-pin connector
T8v	8-pin connector
T10a	10-pin connector, under the driver seat
T16e	16-pin connector
T20c	20-pin connector
V428	Air distribution door motor
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
B431	Seat heating connection (in main wiring harness)
L2	Connection (in A/C system wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
*	Only for vehicles with Climatic
*2	Only for vehicles with an auxiliary heater
*3	The color of the wires depends on vehicle equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fresh air blower switch, A/C control module, Fresh air blower series resistor with fuse, Fresh air blower

E9	Fresh air blower switch
E95	Heated front passenger seat adjuster
E256	ASR/ESP button
G59	Heated driver seat temperature sensor
J301	A/C control module, in the engine compartment, right
J485	Auxiliary heater operation relay
J774	Front seat heating control module
N24	Fresh air blower series resistor with fuse
T4r	4-pin connector
T5	5-pin connector
T6ad	6-pin connector
T8v	8-pin connector
T10a	10-pin connector, under the driver seat
T10k	10-pin connector, on the heater
T20c	20-pin connector
V2	Fresh air blower
44	Ground connection on A-pillar, lower left
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
L6	Connection 2 (in A/C unit wiring harness)
M45	Connection 5 (in driver seat wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles with auxiliary water heater

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Climatronic , (9AK)

from July 2009

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

High pressure sensor, Climatronic control module, Vehicle electrical control module system

A	Battery
F47	Brake pedal switch
G65	High pressure sensor
J255	Climatronic control module, behind the center console
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SC4	Fuse 4 (on fuse panel C)
SA6	Fuse 6 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SC14	Fuse 14 (on fuse panel C)
SC22	Fuse 22 (on fuse panel C)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T20c	20-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	16.0 diameter possible

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Sunlight photo sensor, Sunlight photo sensor 2, Left vent temperature sensor, Right vent temperature sensor, Left footwell vent temperature sensor, Evaporator vent temperature sensor, Climatronic control module

G107	Sunlight photo sensor	
G134	Sunlight photo sensor 2	
G150	Left vent temperature sensor	
G151	Right vent temperature sensor	
G261	Left footwell vent temperature sensor	
G263	Evaporator vent temperature sensor	
J255	Climatronic control module, behind the center console	
T16g	16-pin connector	
T20c	20-pin connector	
L7	Connection 3 (in A/C unit wiring harness)	
L9	Connection 1 (in A/C system wiring harness)	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Defroster door motor position sensor, Left temperature control door motor, Air quality sensor, Right footwell vent temperature sensor, Climatronic control module, Defroster door motor, Left temperature control door motor

G135	Defroster door motor position sensor
G220	Left temperature control door motor
G238	Air quality sensor
G262	Right footwell vent temperature sensor
J255	Climatronic control module, behind the center console
T3an	3-pin connector
T6p	6-pin connector
T6q	6-pin connector
T16	16-pin connector
T16f	16-pin connector
T16g	16-pin connector
T20c	20-pin connector
U31	Diagnostic connection
V107	Defroster door motor
V158	Left temperature control door motor
382	Ground connection 17 (in main wiring harness)
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Central door motor position sensor, Back pressure door motor position sensor, Right temperature door potentiometer/actuator, Climatronic control module, Central air door motor, Airflow door motor, Right temperature control door motor

G112	Central door motor position sensor
G113	Back pressure door motor position sensor
G221	Right temperature door potentiometer/actuator
J255	Climatronic control module, behind the center console
T6n	6-pin connector
T6o	6-pin connector
T6u	6-pin connector
T16f	16-pin connector
T16g	16-pin connector
V70	Central air door motor
V71	Airflow door motor
V159	Right temperature control door motor
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Climatronic control module

E229	Emergency flasher button
G60	Front passenger heated seat temperature sensor
J255	Climatronic control module, behind the center console
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J774	Front seat heating control module
T4m	4-pin connector
T6bq	6-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T16g	16-pin connector
T20	20-pin connector
T20c	20-pin connector
T20d	20-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
B431	Seat heating connection (in main wiring harness)
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
M45	Connection 5 (in driver seat wiring harness)

Fresh air blower control module, Climatronic control module, A/C compressor regulator valve, Fresh air blower

F266	Engine hood contact switch
J126	Fresh air blower control module
J255	Climatronic control module, behind the center console
J400	Wiper motor control module
N280	A/C compressor regulator valve
T2a	Double connector
T4p	4-pin connector
T4t	4-pin connector, near the starter
T6t	6-pin connector
T10k	10-pin connector, on the heater
T16f	16-pin connector
T20c	20-pin connector
V2	Fresh air blower
44	Ground connection on A-pillar, lower left
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag systems with rear side airbag , (4X4)

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Battery, Starter, Generator, Airbag control module, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
J234	Airbag control module, in the front center console
J285	Instrument cluster control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T75	75-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	Diameter depends on equipment
*2	16.0 diameter possible

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Driver seat belt switch, Front passenger seat belt switch, Front passenger airbag deactivation key switch, Airbag spiral spring/return spring with slip ring, Front passenger occupant detection sensor, Airbag control module, Front passenger airbag -disabled- indicator lamp, Push button illumination bulb, Driver airbag igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
E224	Front passenger airbag deactivation key switch
F138	Airbag spiral spring/return spring with slip ring
G128	Front passenger occupant detection sensor
J234	Airbag control module, in the front center console
J527	Steering column electronics control module
K145	Front passenger airbag -disabled- indicator lamp
L76	Push button illumination bulb
N95	Driver airbag igniter
T2j	Double connector, under the driver seat
T2k	Double connector, under the front passenger seat
T4g	4-pin connector
T4k	4-pin connector
T6e	6-pin connector
T10x	10-pin connector
T12k	12-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver thorax airbag crash sensor, Front passenger thorax airbag crash sensor, Driver side rear thorax airbag crash sensor, Passenger side rear thorax airbag crash sensor, Airbag control module, Front passenger airbag igniter 1

G179	Driver thorax airbag crash sensor
G180	Front passenger thorax airbag crash sensor
G256	Driver side rear thorax airbag crash sensor
G257	Passenger side rear thorax airbag crash sensor
J234	Airbag control module, in the front center console
N131	Front passenger airbag igniter 1
N153	Driver seat belt tensioner igniter 1
T2au	Double connector
T3af	3-pin connector, near the front passenger airbag
T28	28-pin connector, on the left A-pillar
T28a	28-pin connector, on the right A-pillar
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter, Driver thorax airbag igniter, Front passenger thorax airbag igniter, Passenger side rear thorax airbag igniter

J234	Airbag control module, in the front center console
N154	Front passenger seat belt tensioner igniter 1
N196	Driver side rear seat belt tensioner igniter
N197	Passenger side rear seat belt tensioner igniter
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
N202	Passenger side rear thorax airbag igniter
T2av	Double connector
T3aa	3-pin connector, under the driver seat
T3ab	3-pin connector, under the front passenger seat
T3k	3-pin connector, under the driver seat
T3l	3-pin connector, under the front passenger seat
T3s	3-pin connector, behind the left rear side trim
T3t	3-pin connector, behind the right rear side trim
T3u	3-pin connector, behind the left rear side trim
T3v	3-pin connector, behind the right rear side trim
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Warning buzzer and tone, Airbag control module, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Seat belt indicator lamp, Airbag indicator lamp, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

H3	Warning buzzer and tone
J104	ABS control module
J234	Airbag control module, in the front center console
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K19	Seat belt indicator lamp
K75	Airbag indicator lamp
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T3m	3-pin connector, behind the left C-pillar trim panel
T3n	3-pin connector, behind the left C-pillar trim panel
T16	16-pin connector
T20	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
U31	Diagnostic connection
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

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Automatic transmission 6-speed with tiptronic , CBTA,CBUA,CCCA,(0ER)

from July 2009

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Battery, Starter, Generator

A	Battery
B	Starter
C	Generator
J17	Fuel pump relay
J643	Fuel primer relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC14	Fuse 14 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
508	Terminal 30 threaded connection (on E-box)
652	Transmission/engine ground connection
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B156	Positive connection (30a) (in interior wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Terminal 15 power supply relay 2

J285	Instrument cluster control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
SC2	Fuse 2 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SC30	Fuse 30 (on fuse panel C)
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
508	Terminal 30 threaded connection (on E-box)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction transmission range switch, Transmission control module

F125	Multifunction transmission range switch
J217	Transmission control module
J400	Wiper motor control module
T4p	4-pin connector
T10n	10-pin connector
T52	52-pin connector
114	Ground connection (in automatic transmission wiring harness)
376	Ground connection 11 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Transmission fluid temperature sensor, Transmission input speed sensor, Transmission output speed sensor, Transmission control module, Solenoid valve 1, Solenoid valve 2, Solenoid valve 3, Solenoid valve 4, Solenoid valve 5, Solenoid valve 6, Solenoid valve 9, Solenoid valve 10

G93	Transmission fluid temperature sensor
G182	Transmission input speed sensor
G195	Transmission output speed sensor
J217	Transmission control module
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N282	Solenoid valve 9
N283	Solenoid valve 10
T8	8-pin connector
T14	14-pin connector
T52	52-pin connector
U8	Positive connection (15a) (in automatic transmission wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

tiptronic switch, Selector lever park position lock switch, Transmission control module

E256	ASR/ESP button
F189	tiptronic switch
F319	Selector lever park position lock switch
J217	Transmission control module
J527	Steering column electronics control module
T6ad	6-pin connector
T10s	10-pin connector
T20d	20-pin connector
T52	52-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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tiptronic switch, Transmission control module, Selector lever scale illumination bulb, Shift lock solenoid, Transmission range display

F189	tiptronic switch
J217	Transmission control module
L101	Selector lever scale illumination bulb
N110	Shift lock solenoid
T2p	Double connector
T10w	10-pin connector
T52	52-pin connector
Y6	Transmission range display
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction indicator, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface

J119	Multifunction indicator
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
N376	Ignition switch key lock solenoid
T12j	12-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-Lock Brake System (ABS) with EDL and ASR and ESP , (1AT),(1AS)

from July 2009

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Battery, Vehicle electrical control module system, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SB4	Fuse 4 (on fuse panel B)
SC4	Fuse 4 (on fuse panel C)
SB6	Fuse 6 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
1	Ground strap, battery to body
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	Refer to applicable A/C system wiring diagram
*2	16.0 diameter possible
*3	1.5 diameter possible
*4	Only for vehicles with tire pressure monitoring

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right rear ABS wheel speed sensor, Right front ABS wheel speed sensor, Left rear ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

F	Brake lamp switch
G44	Right rear ABS wheel speed sensor
G45	Right front ABS wheel speed sensor
G46	Left rear ABS wheel speed sensor
G47	Left front ABS wheel speed sensor
J104	ABS control module
J623	Engine control module
N133	Right rear ABS inlet valve
N134	Left rear ABS inlet valve
N225	Driving dynamics regulation switch valve 1
N226	Driving dynamics regulation switch valve 2
T4y	4-pin connector
T47	47-pin connector
B131	Connection 54 (in interior wiring harness)
D146	Left rear speed sensor positive connection (in engine compartment wiring harness)
D147	Left rear speed sensor negative connection (in engine compartment wiring harness)
D148	Right rear speed sensor positive connection (in engine compartment wiring harness)
D149	Right rear speed sensor negative connection (in engine compartment wiring harness)
D184	Left front speed sensor positive connection (in engine compartment wiring harness)
D185	Left front speed sensor negative connection (in engine compartment wiring harness)
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Vacuum sensor, ABS control module

G200	Transverse acceleration sensor
G202	Rotation rate sensor
G419	ESP sensor unit
G608	Vacuum sensor
J104	ABS control module
J393	Comfort system central control module
N135	Right rear ABS outlet valve
N136	Left rear ABS outlet valve
T18	18-pin connector
T47	47-pin connector
V64	ABS hydraulic pump
12	Ground connection in engine compartment, left
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
638	Ground connection on right A-pillar
652	Transmission/engine ground connection
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
*	Only for vehicles with a hydraulic brake booster

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ASR/ESP button, Tire pressure monitoring display button, ABS control module

E229	Emergency flasher button
E256	ASR/ESP button
E492	Tire pressure monitoring display button
G201	Brake pressure sensor 1
J104	ABS control module
J301	A/C control module
K216	ASR/ESP indicator lamp 2
L71	ASR switch illumination bulb
L76	Push button illumination bulb
N99	Right front ABS inlet valve
N100	Right front ABS outlet valve
N101	Left front ABS inlet valve
N102	Left front ABS outlet valve
N227	Driving dynamics regulation high pressure switch valve 1
N228	Driving dynamics regulation high pressure switch valve 2
T6ad	6-pin connector
T6an	6-pin connector
T6bq	6-pin connector
T47	47-pin connector
372	Ground connection 7 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with tire pressure monitoring
*2	Refer to applicable A/C system wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Steering angle sensor, Vehicle electrical control module system, Steering column electronics control module

F47	Brake pedal switch
G85	Steering angle sensor
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T4y	4-pin connector
T20d	20-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A23	Connection 30al (in instrument panel wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	1.5 diameter possible

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Left front brake pad wear sensor, Instrument cluster control module, Data bus on board diagnostic interface, Tire pressure monitoring display indicator lamp

G34	Left front brake pad wear sensor
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
K220	Tire pressure monitoring display indicator lamp
T2y	Double connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
U31	Diagnostic connection
373	Ground connection 8 (in main wiring harness)
B379	Brake wear indicator connection 1 (in main wiring harness)
B380	Brake wear indicator connection 2 (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking brake indicator lamp switch, Brake fluid level warning switch, Warning buzzer and tone, Instrument cluster control module, ABS indicator lamp, Brake system indicator lamp, ASR/ESP indicator lamp

F9	Parking brake indicator lamp switch
F34	Brake fluid level warning switch
H3	Warning buzzer and tone
J285	Instrument cluster control module
K47	ABS indicator lamp
K118	Brake system indicator lamp
K155	ASR/ESP indicator lamp
M33	Left front side marker lamp bulb
T2v	Double connector
T2w	Double connector
T32c	32-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Auxiliary heater for vehicles with Climatic , (KH6)

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Battery, Auxiliary heater operation relay, Fuse 5 (on fuse panel A), Fuse panel B, Fuse panel C

A	Battery
J9	Rear window defogger relay
J485	Auxiliary heater operation relay
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB7	Fuse 7 (on fuse panel B)
SB11	Fuse 11 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
SC	Fuse panel C
SC14	Fuse 14 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T40	40-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B315	Positive connection 1 (30a) (in main wiring harness)
*	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fresh air blower relay, Vehicle electrical control module system, Terminal 75 power supply relay 1, Terminal 15 power supply relay 2, Fuse panel C

J13	Fresh air blower relay
J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T9b	9-pin connector
T9i	9-pin connector
T9m	9-pin connector
T16	16-pin connector
T52b	52-pin connector
U31	Diagnostic connection
A2	Positive connection (15) (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Temperature sensor, Auxiliary heater control module, Heater coolant shut-off valve, Glow plug with flame monitoring, Combustion air blower, Recirculation pump

G18	Temperature sensor
J364	Auxiliary heater control module
N279	Heater coolant shut-off valve
Q8	Glow plug with flame monitoring
T2g	Double connector
T2k	Double connector
T3z	3-pin connector
T8j	8-pin connector
T8u	8-pin connector
V6	Combustion air blower
V55	Recirculation pump
Z66	Fuel preheating element
378	Ground connection 13 (in main wiring harness)
656	Ground connection on right headlamp
*	Depending on equipment
*2	Only for vehicles with gasoline engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Overheat sensor, Auxiliary heater control module, GPS antenna, Antenna splitter, Auxiliary engine coolant heater radio frequency receiver, Auxiliary heater antenna, Metering pump

G189	Overheat sensor
J364	Auxiliary heater control module
J503	Radio/navigation display unit control module
R	Radio
R50	GPS antenna
R54	Cellular telephone
R87	Antenna splitter
R149	Auxiliary engine coolant heater radio frequency receiver
R182	Auxiliary heater antenna
T1g	Single connector, near the roof antenna
T1h	Single connector, near the roof antenna
T6j	6-pin connector
T8j	8-pin connector
T8u	8-pin connector
T16b	16-pin connector
V54	Metering pump
86	Ground connection 1 (in rear wiring harness)
663	Ground connection in right rear side panel
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction indicator selection switch, Trip computer reset button, Instrument cluster control module, A/C control module, Steering column electronics control module, Data bus on board diagnostic interface

E86	Multifunction indicator selection switch
E92	Trip computer reset button
E537	Immediate heating button
J285	Instrument cluster control module
J301	A/C control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
N24	Fresh air blower series resistor with fuse
T4r	4-pin connector
T5	5-pin connector
T10k	10-pin connector
T20	20-pin connector
T20c	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
*	Programmable timer mode select button for auxiliary heater operation

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-Lock Brake System (ABS) with EDL and ASR , (1AC)

from July 2009

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Battery, Vehicle electrical control module system, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T20d	20-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
*	Refer to applicable A/C system wiring diagram
*2	16.0 diameter possible
*3	Only for vehicles with tire pressure monitoring

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right front ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

F	Brake lamp switch
G45	Right front ABS wheel speed sensor
G47	Left front ABS wheel speed sensor
J104	ABS control module
J533	Data bus on board diagnostic interface
J623	Engine control module
N134	Left rear ABS inlet valve
N136	Left rear ABS outlet valve
N225	Driving dynamics regulation switch valve 1
N226	Driving dynamics regulation switch valve 2
T4y	4-pin connector
T20	20-pin connector
T26a	26-pin connector
V64	ABS hydraulic pump
12	Ground connection in engine compartment, left
638	Ground connection on right A-pillar
652	Transmission/engine ground connection
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)
D184	Left front speed sensor positive connection (in engine compartment wiring harness)
D185	Left front speed sensor negative connection (in engine compartment wiring harness)
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ASR switch, Right rear ABS wheel speed sensor, Left rear ABS wheel speed sensor, ABS control module

E132	ASR switch
E229	Emergency flasher button
G44	Right rear ABS wheel speed sensor
G46	Left rear ABS wheel speed sensor
J104	ABS control module
K86	Traction control indicator lamp
L71	ASR switch illumination bulb
N101	Left front ABS inlet valve
N102	Left front ABS outlet valve
N133	Right rear ABS inlet valve
N135	Right rear ABS outlet valve
T6ad	6-pin connector
T6bq	6-pin connector
T26a	26-pin connector
372	Ground connection 7 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
D146	Left rear speed sensor positive connection (in engine compartment wiring harness)
D147	Left rear speed sensor negative connection (in engine compartment wiring harness)
D148	Right rear speed sensor positive connection (in engine compartment wiring harness)
D149	Right rear speed sensor negative connection (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Tire pressure monitoring display button, ABS control module

E492	Tire pressure monitoring display button
J104	ABS control module
J234	Airbag control module
J301	A/C control module
J527	Steering column electronics control module
L76	Push button illumination bulb
N99	Right front ABS inlet valve
N100	Right front ABS outlet valve
T6an	6-pin connector
T20d	20-pin connector
T26a	26-pin connector
T75	75-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Refer to applicable A/C system wiring diagram
*2	Refer to applicable airbag wiring diagram
*3	Only for vehicles with tire pressure monitoring

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Left front brake pad wear sensor, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, ABS indicator lamp, Brake system indicator lamp, ASR/ESP indicator lamp

F47	Brake pedal switch
G34	Left front brake pad wear sensor
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
K47	ABS indicator lamp
K118	Brake system indicator lamp
K155	ASR/ESP indicator lamp
T2y	Double connector
T4y	4-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52b	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
373	Ground connection 8 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
B379	Brake wear indicator connection 1 (in main wiring harness)
B380	Brake wear indicator connection 2 (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking brake indicator lamp switch, Brake fluid level warning switch, Warning buzzer and tone, Instrument cluster control module

F9	Parking brake indicator lamp switch
F34	Brake fluid level warning switch
H3	Warning buzzer and tone
J285	Instrument cluster control module
J400	Wiper motor control module
N280	A/C compressor regulator valve
T2m	Double connector
T2v	Double connector
T2w	Double connector
T4p	4-pin connector
T4t	4-pin connector
T32c	32-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Compass , (QR1)

from July 2009

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Data bus on board diagnostic interface, Vehicle location recognition control module

J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
M25	High-mounted brake lamp bulb
R	Radio
SC13	Fuse 13 (on fuse panel C)
T8h	8-pin connector
T16	16-pin connector
T16b	16-pin connector
T20	20-pin connector
U31	Diagnostic connection
50	Ground connection in luggage compartment, left
369	Ground connection 4 (in main wiring harness)
377	Ground connection 12 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	USA only

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking aid, front and rear , (7X2)

from July 2009

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Battery, Generator, Vehicle electrical control module system, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	Only for vehicles with DSG transmission 0AM
*2	Only for vehicles with a manual transmission

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking aid button, Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control module

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E229	Emergency flasher button
E266	Parking aid button
H15	Rear parking aid warning buzzer
H22	Front parking aid warning buzzer
J234	Airbag control module
J446	Parking aid control module
J533	Data bus on board diagnostic interface
T4	4-pin connector
T6aw	6-pin connector
T8e	8-pin connector
T10h	10-pin connector
T12a	12-pin connector
T16c	16-pin connector
T20	20-pin connector
T75	75-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
387	Ground connection 22 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

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Left rear parking aid sensor, Left rear center parking aid sensor, Right rear center parking aid sensor, Right rear parking aid sensor, Right front parking aid sensor, Right front center parking aid sensor, Left front center parking aid sensor, Left front parking aid sensor, Parking aid control module

G203	Left rear parking aid sensor
G204	Left rear center parking aid sensor
G205	Right rear center parking aid sensor
G206	Right rear parking aid sensor
G252	Right front parking aid sensor
G253	Right front center parking aid sensor
G254	Left front center parking aid sensor
G255	Left front parking aid sensor
J446	Parking aid control module
T6be	6-pin connector, in the rear bumper
T8bf	8-pin connector, on the right front longitudinal member
T12	12-pin connector
T12a	12-pin connector
349	Horn ground connection (in front bumper wiring harness)
352	Parking aid ground connection (in rear bumper wiring harness)
X65	Parking aid connection (in front bumper wiring harness)
X68	Parking aid connection (in rear bumper wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Garage door opener , (VC2)

from July 2009

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Garage door opener control head, Driver vanity mirror lamp contact switch, Garage door opener control module, Terminal 15 power supply relay 2, Driver vanity mirror lamp

E284	Garage door opener control head
F147	Driver vanity mirror lamp contact switch
J530	Garage door opener control module
J681	Terminal 15 power supply relay 2
SC4	Fuse 4 (on fuse panel C)
T8d	8-pin connector
T9i	9-pin connector
W20	Driver vanity mirror lamp
347	Ground connection (in roof wiring harness)
367	Ground connection 2 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
605	Ground connection on upper steering column
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag systems front and side airbag with seat belt tensioner , (4UT)

from July 2009

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Battery, Starter, Generator, Airbag control module, Vehicle electrical control module system, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
J234	Airbag control module
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
T75	75-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	USA only

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag spiral spring/return spring with slip ring, Driver front airbag crash sensor, Airbag control module, Driver airbag igniter, Front passenger airbag igniter 1, Front passenger airbag igniter 2

F138	Airbag spiral spring/return spring with slip ring
G283	Driver front airbag crash sensor
J234	Airbag control module
J527	Steering column electronics control module
N95	Driver airbag igniter
N131	Front passenger airbag igniter 1
N132	Front passenger airbag igniter 2
T4k	4-pin connector
T5i	5-pin connector
T12k	12-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver thorax airbag crash sensor, Front passenger thorax airbag crash sensor, Airbag control module, Front passenger thorax airbag igniter, Passenger side rear thorax airbag igniter

G179	Driver thorax airbag crash sensor
G180	Front passenger thorax airbag crash sensor
J234	Airbag control module
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
N202	Passenger side rear thorax airbag igniter
T3aa	3-pin connector, under the driver seat
T3ab	3-pin connector, under the front passenger seat
T3k	3-pin connector, under the driver seat
T3l	3-pin connector, under the front passenger seat
T3s	3-pin connector
T3t	3-pin connector
T28	28-pin connector
T28a	28-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat belt switch, Front passenger seat belt switch, Driver side rear thorax airbag crash sensor, Passenger side rear thorax airbag crash sensor, Passenger side front airbag crash sensor, Airbag control module, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
G256	Driver side rear thorax airbag crash sensor
G257	Passenger side rear thorax airbag crash sensor
G284	Passenger side front airbag crash sensor
J234	Airbag control module
N196	Driver side rear seat belt tensioner igniter
N197	Passenger side rear seat belt tensioner igniter
T2aa	Double connector, under the driver seat
T2ab	Double connector, under the front passenger seat
T2j	Double connector, under the driver seat
T2k	Double connector, under the front passenger seat
T3u	3-pin connector
T3v	3-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Driver seat belt tensioner igniter 1, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

J234	Airbag control module
N153	Driver seat belt tensioner igniter 1
N154	Front passenger seat belt tensioner igniter 1
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T2av	Double connector
T2aw	Double connector
T2ax	Double connector
T5t	5-pin connector
T75	75-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Airbag indicator lamp

J104	ABS control module
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K75	Airbag indicator lamp
T20	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52c	52-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag systems without rear thorax airbag , (4X3)

from July 2009

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Battery, Airbag control module, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
J234	Airbag control module, under the center console
J285	Instrument cluster control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T50	50-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	Only for vehicles with DSG transmission 0AM
*2	Only for vehicles with a manual transmission
*3	Only for vehicles with DSG transmission 02E

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat belt switch, Front passenger seat belt switch, Front passenger airbag deactivation key switch, Airbag spiral spring/return spring with slip ring, Front passenger occupant detection sensor, Airbag control module, Front passenger airbag -disabled- indicator lamp, Driver airbag igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
E224	Front passenger airbag deactivation key switch
F138	Airbag spiral spring/return spring with slip ring
G128	Front passenger occupant detection sensor
J234	Airbag control module, under the center console
J527	Steering column electronics control module
K145	Front passenger airbag -disabled- indicator lamp
L76	Push button illumination bulb
N95	Driver airbag igniter
T2j	2-pin connector, under the driver seat
T2k	2-pin connector, under the front passenger seat
T4g	4-pin connector
T4k	4-pin connector
T6e	6-pin connector
T10x	10-pin connector
T12k	12-pin connector
T50	50-pin connector
(109)	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver thorax airbag crash sensor, Front passenger thorax airbag crash sensor, Driver side rear thorax airbag crash sensor, Passenger side rear thorax airbag crash sensor, Airbag control module, Front passenger airbag igniter 1, Driver seat belt tensioner igniter 1

G179	Driver thorax airbag crash sensor
G180	Front passenger thorax airbag crash sensor
G256	Driver side rear thorax airbag crash sensor
G257	Passenger side rear thorax airbag crash sensor
J234	Airbag control module, under the center console
N131	Front passenger airbag igniter 1
N153	Driver seat belt tensioner igniter 1
T2au	2-pin connector
T3af	3-pin connector, near the front passenger airbag
T28	28-pin connector, behind the lower left A-pillar trim
T28a	28-pin connector, behind the lower right A-pillar trim
T50	50-pin connector
(109)	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Data bus on board diagnostic interface, Front passenger seat belt tensioner igniter 1, Driver thorax airbag igniter, Front passenger thorax airbag igniter, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

J104	ABS control module
J234	Airbag control module, under the center console
J533	Data bus on board diagnostic interface
N154	Front passenger seat belt tensioner igniter 1
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T2av	2-pin connector
T3aa	3-pin connector, under the driver seat
T3ab	3-pin connector, under the front passenger seat
T3k	3-pin connector, under the driver seat
T3l	3-pin connector, under the front passenger seat
T3m	3-pin connector, behind the left C-pillar trim panel
T3n	3-pin connector, behind the left C-pillar trim panel
T16	16-pin connector
T20	20-pin connector
T47	47-pin connector
T50	50-pin connector
U31	Diagnostic connection
109	Ground connection (in airbag wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Warning buzzer and tone, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Seat belt indicator lamp, Airbag indicator lamp

H3	Warning buzzer and tone
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K19	Seat belt indicator lamp
K75	Airbag indicator lamp
T20	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
T52b	52-pin connector
T52c	52-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system with digital sound package , (9VQ)

from July 2009

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Fuse 13 (on fuse panel C), Fuse 25 (on fuse panel C)

A	Battery
B	Starter
C	Generator
E1	Light switch
J485	Auxiliary heater operation relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC13	Fuse 13 (on fuse panel C)
SB18	Fuse 18 (on fuse panel B)
SC25	Fuse 25 (on fuse panel C)
T10h	10-pin connector
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B224	Radio connection 1 (in interior wiring harness)
B315	Positive connection 1 (30a) (in main wiring harness)
*	Depending on equipment
*2	Diameter depends on equipment
*3	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ge	=	yellow
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Radio, CD changer

J650	Multimedia system control module
R	Radio
R41	CD changer
R199	External audio source connection
T12c	12-pin connector
T12cb	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T16b	16-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment
*2	Only for vehicles with CD-changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
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Digital sound system control module, Radio, Right antenna module

J525	Digital sound system control module
J533	Data bus on board diagnostic interface
R	Radio
R12	Amplifier
R109	Right antenna module
T16b	16-pin connector
T20	20-pin connector
T38	38-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Digital sound system control module, Antenna, Left rear bass speaker, Right rear bass speaker, Left front treble speaker, Left front bass speaker, Right front treble speaker, Right front bass speaker, Radio antenna 2, Left front midrange speaker, Right front midrange speaker, FM frequency filter in negative wire, Rear window defogger

J525	Digital sound system control module
R11	Antenna
R12	Amplifier
R15	Left rear bass speaker
R17	Right rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
R93	Radio antenna 2
R103	Left front midrange speaker
R104	Right front midrange speaker
R178	FM frequency filter in negative wire
R179	FM frequency filter in positive wire
T2b	Double connector
T2s	Double connector
T3	3-pin connector
T3a	3-pin connector
T4ab	4-pin connector
T4ac	4-pin connector
T4o	4-pin connector
T4u	4-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T38	38-pin connector
Z1	Rear window defogger
(51)	Ground connection in luggage compartment, right
(61)	Ground connection on left C-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Rear window defogger relay, Vehicle electrical control module system

E20	Instrument panel and switch illumination dimmer switch
J9	Rear window defogger relay
J519	Vehicle electrical control module system
T8e	8-pin connector
T9n	9-pin connector
T52b	52-pin connector
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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Power supply

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Terminal 15 power supply relay 2, Terminal 50 power supply relay, Passenger occupant detection system control module

E256	ASR/ESP button
F4	Back-up lamp switch
G65	High pressure sensor
J386	Driver door control module
J387	Front passenger door control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
J706	Passenger occupant detection system control module
SC1	Fuse 1 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SC12	Fuse 12 (on fuse panel C)
SC29	Fuse 29 (on fuse panel C)
T3ba	3-pin connector
T3c	3-pin connector
T6ad	6-pin connector
T6f	6-pin connector
T9b	9-pin connector
T9i	9-pin connector
T10r	10-pin connector
T18e	18-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
U11	Interior socket, 230 V, 110 V
A1	Positive connection (30a) (in instrument panel wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A17	Connection 61 (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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ws = white
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ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Generator, Instrument cluster control module, Steering column electronics control module, Engine control module, Terminal 75 power supply relay 1, Terminal 50 power supply relay

C	Generator
J285	Instrument cluster control module
J527	Steering column electronics control module
J623	Engine control module
J680	Terminal 75 power supply relay 1
J682	Terminal 50 power supply relay
J926	Driver side rear door control module
SB6	Fuse 6 (on fuse panel B)
SC26	Fuse 26 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T2	Double connector
T4t	4-pin connector
T9b	9-pin connector
T9m	9-pin connector
T18b	18-pin connector
T20d	20-pin connector
T28b	28-pin connector
T32c	32-pin connector
T40	40-pin connector
T94	94-pin connector
A17	Connection 61 (in instrument panel wiring harness)
A23	Connection 30al (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A41	Positive connection (50) (in instrument panel wiring harness)
A62	Power window connection (in instrument panel wiring harness)

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Transmission control module, Engine control module

J217	Transmission control module
J623	Engine control module
J743	DSG transmission Mechatronic
J927	Passenger side rear door control module
L176	Left daytime running lamp and position lamp LED module
L177	Right daytime running lamp and position lamp LED module
M1	Left position lamp bulb
M3	Right position lamp bulb
M17	Right back-up lamp bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
T4a	4-pin connector
T4b	4-pin connector
T5p	5-pin connector
T6	6-pin connector
T10i	10-pin connector
T10j	10-pin connector
T16	16-pin connector
T18c	18-pin connector
T20e	20-pin connector
T28c	28-pin connector
T52	52-pin connector
T94	94-pin connector
U31	Diagnostic connection
A62	Power window connection (in instrument panel wiring harness)
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
A84	Connection 58L (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
A87	Back-up lamp connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Throttle valve control module, Vehicle location recognition control module, Engine component power supply relay, Diagnostic connection

E1	Light switch
E425	Backrest adjustment button
H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J9	Rear window defogger relay
J299	Secondary air injection pump relay
J338	Throttle valve control module
J603	Vehicle location recognition control module
J757	Engine component power supply relay
SC13	Fuse 13 (on fuse panel C)
SB24	Fuse 24 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SC32	Fuse 32 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T4x	4-pin connector
T8ac	8-pin connector
T8h	8-pin connector
T9n	9-pin connector
T10a	10-pin connector
T10h	10-pin connector
T14a	14-pin connector
T16	16-pin connector
T40	40-pin connector
U31	Diagnostic connection
V7	Radiator fan
A90	Dual tone horn connection (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
A99	Connection 87 (in instrument panel wiring harness) 1
A167	Positive connection 3 (30a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Data bus on board diagnostic interface, Vehicle location recognition control module

J360	High heat output relay
J388	Left rear door control module
J389	Right rear door control module
J503	Radio/navigation display unit control module
J525	Digital sound system control module
J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
J650	Multimedia system control module
R	Radio
R36	Telephone transceiver
SC15	Fuse 15 (on fuse panel C)
T3am	3-pin connector
T6bg	6-pin connector
T8h	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20	20-pin connector
T28b	28-pin connector
T28c	28-pin connector
T38	38-pin connector
T54	54-pin connector
Z35	Auxiliary heater heating element
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
A176	Auxiliary heater connection (in instrument panel wiring harness)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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ge	=	yellow
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ABS control module, Transmission control module, Instrument cluster control module, A/C control module, Data bus on board diagnostic interface, Selector lever sensor system control module

F	Brake lamp switch
F47	Brake pedal switch
F189	tiptronic switch
G42	Intake air temperature sensor
G70	Mass airflow sensor
J4	Dual tone horn relay
J104	ABS control module
J217	Transmission control module
J285	Instrument cluster control module
J301	A/C control module
J533	Data bus on board diagnostic interface
J587	Selector lever sensor system control module
N79	Positive crankcase ventilation heating element
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
T4y	4-pin connector
T5d	5-pin connector
T10s	10-pin connector
T16	16-pin connector
T20	20-pin connector
T20c	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52	52-pin connector
U31	Diagnostic connection
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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gn = green
bl = blue
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li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Airbag control module, Power steering control module, Steering column electronics control module, Fuel pump control module, Engine control module

E1	Light switch
F	Brake lamp switch
J17	Fuel pump relay
J104	ABS control module
J234	Airbag control module
J500	Power steering control module
J527	Steering column electronics control module
J538	Fuel pump control module
J623	Engine control module
J682	Terminal 50 power supply relay
J743	DSG transmission Mechatronic
K145	Front passenger airbag -disabled- indicator lamp
SC3	Fuse 3 (on fuse panel C)
T3ao	3-pin connector
T4g	4-pin connector
T4y	4-pin connector
T6f	6-pin connector
T6z	6-pin connector
T10h	10-pin connector
T10v	10-pin connector
T20d	20-pin connector
T20e	20-pin connector
T26a	26-pin connector
T47	47-pin connector
T75	75-pin connector
T94	94-pin connector
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)

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Radio/navigation display unit control module

E26	Glove compartment lamp switch
J17	Fuel pump relay
J503	Radio/navigation display unit control module
J643	Fuel primer relay
R	Radio
SA5	Fuse 5 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC12	Fuse 12 (on fuse panel C)
SC22	Fuse 22 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
T6b	6-pin connector
T16b	16-pin connector
T40	40-pin connector
W1	Front interior lamp
W3	Luggage compartment lamp
B150	Positive connection 2 (30a) (in interior wiring harness)
B156	Positive connection (30a) (in interior wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B219	Positive connection 4 (30a) (in interior wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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bl = blue
gr = grey
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vi = lilac
ge = yellow
or = orange
rs = pink

Selector lever sensor system control module

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E256	ASR/ESP button
E508	Cellular telephone preparation control head
F189	tiptronic switch
G	Fuel level sensor
G6	Transfer fuel pump
J17	Fuel pump relay
J29	Blocking diode
J587	Selector lever sensor system control module
J643	Fuel primer relay
N30	Cylinder 1 fuel injector
N31	Cylinder 2 fuel injector
R41	CD changer
SC42	Fuse 42 (on fuse panel C)
T3g	3-pin connector
T3j	3-pin connector
T5b	5-pin connector
T6ad	6-pin connector
T6av	6-pin connector
T6b	6-pin connector
T8e	8-pin connector
T10h	10-pin connector
T10s	10-pin connector
T12d	12-pin connector
T14a	14-pin connector
U1	Cigarette lighter
U5	12 V socket
W1	Front interior lamp
B238	Positive connection 2 (58b) (in interior wiring harness)
B349	Connection 75a (in main wiring harness) 2
B350	Positive connection 1 (87a) (in main wiring harness)
D136	Positive connection 2 (15a) (in engine compartment wiring harness)

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gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

ABS control module, Transmission control module, Airbag control module, Instrument cluster control module, Power steering control module, Data bus on board diagnostic interface, Selector lever sensor system control module, Engine control module

G34	Left front brake pad wear sensor
J104	ABS control module
J217	Transmission control module
J234	Airbag control module
J285	Instrument cluster control module
J500	Power steering control module
J533	Data bus on board diagnostic interface
J587	Selector lever sensor system control module
J623	Engine control module
J743	DSG transmission Mechatronic
N32	Cylinder 3 fuel injector
N33	Cylinder 4 fuel injector
N83	Cylinder 5 fuel injector
T2y	Double connector
T3ao	3-pin connector
T6z	6-pin connector
T10s	10-pin connector
T20	20-pin connector
T20e	20-pin connector
T26a	26-pin connector
T32c	32-pin connector
T47	47-pin connector
T52	52-pin connector
T75	75-pin connector
T94	94-pin connector
B379	Brake wear indicator connection 1 (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
D136	Positive connection 2 (15a) (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Transmission control module, A/C control module, Power steering control module, Vehicle electrical control module system, Steering column electronics control module, Data bus on board diagnostic interface, Selector lever sensor system control module, Engine control module

J217	Transmission control module
J301	A/C control module
J386	Driver door control module
J387	Front passenger door control module
J500	Power steering control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J587	Selector lever sensor system control module
J623	Engine control module
J743	DSG transmission Mechatronic
T3ao	3-pin connector
T6z	6-pin connector
T10s	10-pin connector
T20	20-pin connector
T20a	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T20d	20-pin connector
T20e	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T52	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T94	94-pin connector
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

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Wiper motor control module, Vehicle electrical control module system

J387	Front passenger door control module
J400	Wiper motor control module
J519	Vehicle electrical control module system
T2t	Double connector
T2u	Double connector
T4p	4-pin connector
T20b	20-pin connector
T28a	28-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
W31	Left front entry lamp
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
B528	LIN bus connection 1 (in main wiring harness)
C53	Positive connection (x) (in heated spray nozzle wiring harness)
R56	Entry lamp connection (in driver door wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Generator, Motronic engine control module power supply relay, A/C control module, Terminal 30 power supply relay, Engine control module, Front seat heating control module

C	Generator
G60	Front passenger heated seat temperature sensor
G83	Engine coolant temperature sensor on radiator outlet
J271	Motronic engine control module power supply relay
J301	A/C control module
J317	Terminal 30 power supply relay
J623	Engine control module
J743	DSG transmission Mechatronic
J774	Front seat heating control module
SB5	Fuse 5 (on fuse panel B)
SB10	Fuse 10 (on fuse panel B)
T2	Double connector
T4m	4-pin connector
T4t	4-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T20c	20-pin connector
T20e	20-pin connector
T40	40-pin connector
T94	94-pin connector
W32	Right front entry lamp
B431	Seat heating connection (in main wiring harness)
B508	Rotary field connection (in interior wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
D92	Connection 30al (in engine compartment wiring harness)
D108	Connection 6 (in engine compartment wiring harness)
R56	Entry lamp connection (in driver door wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ABS control module

G44	Right rear ABS wheel speed sensor
G46	Left rear ABS wheel speed sensor
G83	Engine coolant temperature sensor on radiator outlet
G450	Exhaust pressure sensor 1
G505	Differential pressure sensor
J104	ABS control module
J623	Engine control module
J883	Exhaust door control unit
T5s	5-pin connector
T14a	14-pin connector
T26a	26-pin connector
T47	47-pin connector
T94	94-pin connector
D109	Connection 7 (in engine compartment wiring harness)
D111	Connection 9 (in engine compartment wiring harness)
D146	Left rear speed sensor positive connection (in engine compartment wiring harness)
D147	Left rear speed sensor negative connection (in engine compartment wiring harness)
D148	Right rear speed sensor positive connection (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

ABS control module, Engine control module

G44	Right rear ABS wheel speed sensor
J104	ABS control module
J151	Coolant circulation pump relay
J623	Engine control module
SB13	Fuse 13 (on fuse panel B)
SB23	Fuse 23 (on fuse panel B)
T26a	26-pin connector
T40	40-pin connector
T47	47-pin connector
T94	94-pin connector
D149	Right rear speed sensor negative connection (in engine compartment wiring harness)
D182	Connection 3 (87a) (in engine compartment wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ABS control module, Automatic glow time control module, Engine component power supply relay

G47	Left front ABS wheel speed sensor
J17	Fuel pump relay
J104	ABS control module
J179	Automatic glow time control module
J359	Low heat output relay
J360	High heat output relay
J757	Engine component power supply relay
J832	Auxiliary fuel pump relay
SB15	Fuse 15 (on fuse panel B)
T6bg	6-pin connector
T9j	9-pin connector
T26a	26-pin connector
T40	40-pin connector
T47	47-pin connector
D183	Connection 4 (87a) (in engine compartment wiring harness)
D184	Left front speed sensor positive connection (in engine compartment wiring harness)
D185	Left front speed sensor negative connection (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Secondary air injection pump relay, Leak detection pump

G39	Heated oxygen sensor
G130	Oxygen sensor after catalytic converter
G465	Center oxygen sensor for bank 1 catalytic converter
G611	Radiator identification sensor
J299	Secondary air injection pump relay
N112	Secondary air injection solenoid valve
SB15	Fuse 15 (on fuse panel B)
SB21	Fuse 21 (on fuse panel B)
SB23	Fuse 23 (on fuse panel B)
T3d	3-pin connector
T4ao	4-pin connector
T4v	4-pin connector
T6w	6-pin connector
T14a	14-pin connector
T40	40-pin connector
V144	Leak detection pump
D202	Connection 6 (87a) (in engine compartment wiring harness)
E7	Connection 87a (in Motronic multiform fuel injection wiring harness)
E30	Connection 87a (in engine wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Multifunction transmission range switch, Transmission control module

F125	Multifunction transmission range switch
G39	Heated oxygen sensor
G108	Heated oxygen sensor 2
J217	Transmission control module
J386	Driver door control module
J387	Front passenger door control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
SB14	Fuse 14 (on fuse panel B)
SB21	Fuse 21 (on fuse panel B)
SC23	Fuse 23 (on fuse panel C)
SC30	Fuse 30 (on fuse panel C)
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T6af	6-pin connector
T6w	6-pin connector
T10n	10-pin connector
T14a	14-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T40	40-pin connector
T52	52-pin connector
D20	Connection 87a (in right front wiring harness)
E30	Connection 87a (in engine wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)
U8	Positive connection (15a) (in automatic transmission wiring harness)

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Manifold absolute pressure sensor, Engine control module

G31	Charge air pressure sensor
G40	Camshaft position sensor
G71	Manifold absolute pressure sensor
G336	Intake manifold runner position sensor
G609	Secondary air injection sensor 1
J623	Engine control module
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T3q	3-pin connector
T4aw	4-pin connector
T5p	5-pin connector
T14a	14-pin connector
T60	60-pin connector
D35	Positive connection 1 (15a) (in engine pre-wiring harness)
D37	Glow plug connection (in engine pre-wiring harness)
D101	Connection 1 (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine control module

G28	Engine speed sensor
G40	Camshaft position sensor
G61	Knock sensor 1
G66	Knock sensor 2
G69	Throttle position sensor
G71	Manifold absolute pressure sensor
G81	Fuel temperature sensor
G212	EGR potentiometer
G247	Fuel pressure sensor
G581	Charge air pressure actuator position sensor
G609	Secondary air injection sensor 1
J623	Engine control module
T4aw	4-pin connector
T5z	5-pin connector
T6ak	6-pin connector
T60	60-pin connector
D103	Connection 3 (in engine compartment wiring harness)
D104	Positive connection 2 (30a) (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine control module

G28	Engine speed sensor
G40	Camshaft position sensor
G69	Throttle position sensor
G212	EGR potentiometer
G247	Fuel pressure sensor
G336	Intake manifold runner position sensor
G410	Low fuel pressure sensor
G581	Charge air pressure actuator position sensor
G609	Secondary air injection sensor 1
J623	Engine control module
N80	EVAP canister purge regulator valve 1
N205	Camshaft adjustment valve 1
T3q	3-pin connector
T5z	5-pin connector
T6ak	6-pin connector
T60	60-pin connector
D105	Positive connection 3 (58d) (in engine compartment wiring harness)
D107	Connection 5 (in engine compartment wiring harness)
D141	Connection 5V (in engine pre-wiring harness)
D181	Connection 2 (87a) (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

A/C control module

J301	A/C control module
N24	Fresh air blower series resistor with fuse
N75	Wastegate bypass regulator valve
N112	Secondary air injection solenoid valve
N249	Turbocharger recirculation valve
N274	Wastegate bypass regulator valve 2
N276	Fuel pressure regulator valve
N290	Fuel metering valve
SB14	Fuse 14 (on fuse panel B)
T2i	Double connector
T4r	4-pin connector
T5	5-pin connector
T5y	5-pin connector
T8d	8-pin connector
T14a	14-pin connector
T40	40-pin connector
V2	Fresh air blower
W14	Front passenger vanity mirror lamp
W20	Driver vanity mirror lamp
W43	Rear interior lamp
B250	Positive connection (in roof wiring harness)
D181	Connection 2 (87a) (in engine compartment wiring harness)
D189	Connection 87a (in engine pre-wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
L6	Connection 2 (in A/C unit wiring harness)
*	Flat conductor

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A/C control module, Front seat heating control module

G59	Heated driver seat temperature sensor
J301	A/C control module
J774	Front seat heating control module
T2d	Double connector
T2e	Double connector
T4l	4-pin connector
T4m	4-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T20c	20-pin connector
Z6	Driver seat heating element
Z7	Driver backrest heating element
Z9	Front passenger backrest heating element
Z31	Driver seat bolster heater
M44	Connection 4 (in driver seat wiring harness)
M45	Connection 5 (in driver seat wiring harness)
M54	Connection 4 (in front passenger seat wiring harness)
O13	Connection 2 (in heated seats wiring harness)
O14	Connection 3 (in heated seats wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left front window regulator switch, Mirror adjusting switch, Rear lid remote release button, Driver interior locking button

E40	Left front window regulator switch
E43	Mirror adjusting switch
E233	Rear lid remote release button
E308	Driver interior locking button
J386	Driver door control module
T4n	4-pin connector
T4w	4-pin connector
T6a	6-pin connector
T10c	10-pin connector
T32a	32-pin connector
Z8	Front passenger seat heating element
Z33	Front passenger seat bolster heater
O14	Connection 3 (in heated seats wiring harness)
Q38	Positive connection 1 (58b) (in power window wiring harness)
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunroof, panorama , (3FU)

from July 2009

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Sunroof adjustment regulator, Sunroof tilt button 1, Roof shade button 1, Power sunroof control module, Roof shade control module, Vehicle electrical control module system, Fuse 39 (on fuse panel C), Sunroof motor, Sunroof shade motor

E139	Sunroof adjustment regulator
E582	Sunroof tilt button 1
E584	Roof shade button 1
J245	Power sunroof control module
J394	Roof shade control module
J519	Vehicle electrical control module system
L76	Push button illumination bulb
SC33	Fuse 33 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
T6g	6-pin connector, near the interior lamp
T52b	52-pin connector
V1	Sunroof motor
V260	Sunroof shade motor
178	Ground connection (in sunroof wiring harness)
602	Ground connection in left front footwell
B238	Positive connection 2 (58b) (in interior wiring harness)
B577	LIN bus connection (in roof wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical system control module 2, Fuse 2 (on fuse panel C)

J520	Vehicle electrical system control module 2
J533	Data bus on board diagnostic interface
SC2	Fuse 2 (on fuse panel C)
T6g	6-pin connector, near the interior lamp
T16	16-pin connector
T20	20-pin connector
U31	Diagnostic connection
385	Ground connection 20 (in main wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B577	LIN bus connection (in roof wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio navigation system RNS 510 , (7T3),(7UL),(7T6)

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Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse 8 (on fuse panel B), Fuse 13 (on fuse panel C), Fuse 25 (on fuse panel C)

A	Battery
B	Starter
C	Generator
E1	Light switch
J485	Parking heater operation relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC13	Fuse 13 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T10h	10-pin connector
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B224	Radio connection 1 (in interior wiring harness)
B315	Positive connection 1 (30a) (in main wiring harness)
*	Only for vehicles with a manual transmission
*2	Only for vehicles with automatic transmission (DSG) 02E
*3	Only for vehicles with automatic transmission (DSG) 0AM

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

J503	Radio/navigation display unit control module
R18	Left frequency crossover, in the front passenger door
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

J503	Radio/navigation display unit control module
R19	Right frequency crossover, in the driver door
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T20	20-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
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Radio/navigation display unit control module, Vehicle electrical system control module, CD changer

E20	Instrument panel and switch illumination dimmer switch
J503	Radio/navigation display unit control module
J519	Vehicle electrical system control module
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T16b	16-pin connector
T52b	52-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	If available
*2	Only for vehicles with CD changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio/navigation display unit control module, Antenna, GPS antenna, Right antenna module, FM frequency filter in negative wire, FM frequency filter in positive wire, Rear window defogger

J503	Radio/navigation display unit control module
R11	Antenna
R50	GPS antenna
R109	Right antenna module
R178	FM frequency filter in negative wire
R179	FM frequency filter in positive wire
T16b	16-pin connector
Z1	Rear window defogger
51	Ground connection in luggage compartment, right
61	Ground connection on left C-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rear window defogger relay, Vehicle electrical system control module

J9	Rear window defogger relay
J519	Vehicle electrical system control module
T9n	9-pin connector
T52b	52-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module

From July 2009

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Vehicle Electrical System Control Module, Fuse Panel A, Fuse Panel B

A	Battery
C	Generator
J400	Wiper Motor Control Module
J519	Vehicle Electrical System Control Module
SA	Fuse Panel A
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
SB	Fuse Panel B
SB3	Fuse 3 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB16	Fuse 16 (On Fuse Panel B)
SB19	Fuse 19 (On Fuse Panel B)
SB26	Fuse 26 (On Fuse Panel B)
SB30	Fuse 30 (On Fuse Panel B)
T3ba	3-Pin Connector
T4p	4-Pin Connector
T4t	4-Pin Connector
T40	40-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
U11	Interior Socket, 230 V, 110 V
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
A17	Connection 61 (in Instrument Panel Wiring Harness)
*	For Vehicles with 90A/110A Generator
*2	For Vehicles with Generator (140 A)
*3	For Vehicles with Automatic Transmission (DSG) 02E
*4	For Vehicles with a Manual Transmission
*5	For Vehicles with Automatic Transmission (DSG) 0AM

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Terminal 15 Power Supply Relay 2, Fuse Panel C

J255	Climatronic Control Module
J301	A/C Control Module
J519	Vehicle Electrical System Control Module
J681	Terminal 15 Power Supply Relay 2
J682	Terminal 50 Power Supply Relay
R149	Auxiliary Coolant Heater Radio Frequency Receiver
SC	Fuse Panel C
SC2	Fuse 2 (On Fuse Panel C)
SC4	Fuse 4 (On Fuse Panel C)
SC13	Fuse 13 (On Fuse Panel C)
SC14	Fuse 14 (On Fuse Panel C)
SC15	Fuse 15 (On Fuse Panel C)
SC24	Fuse 24 (On Fuse Panel C)
T6j	6-Pin Connector
T9b	9-Pin Connector
T9i	9-Pin Connector
T20c	20-Pin Connector
T52b	52-Pin Connector
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A189	Positive Connection 5 (30a) (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module

J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
T32c	32-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
47	Ground Connection in Right Front Footwell
367	Ground Connection 2 (in Main Wiring Harness)
375	Ground Connection 10 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell
605	Ground Connection on Upper Steering Column
*	1.5 Diameter Possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Left Front Fog Lamp Bulb, Right Front Fog Lamp Bulb, Left Position Lamp Bulb, Right Position Lamp Bulb, Left Front Turn Signal Bulb, Right Front Turn Signal Bulb, Left Low Beam Headlamp Bulb, Left High Beam Headlamp Bulb, Right Low Beam Headlamp Bulb, Right High Beam Headlamp Bulb

J519	Vehicle Electrical System Control Module
L22	Left Front Fog Lamp Bulb
L23	Right Front Fog Lamp Bulb
M1	Left Position Lamp Bulb
M3	Right Position Lamp Bulb
M5	Left Front Turn Signal Bulb
M7	Right Front Turn Signal Bulb
M29	Left Low Beam Headlamp Bulb
M30	Left High Beam Headlamp Bulb
M31	Right Low Beam Headlamp Bulb
M32	Right High Beam Headlamp Bulb
T10i	10-Pin Connector
T10j	10-Pin Connector
T52a	52-Pin Connector
T52c	52-Pin Connector
376	Ground Connection 11 (in Main Wiring Harness)
378	Ground Connection 13 (in Main Wiring Harness)
655	Ground Connection on Left Headlamp
656	Ground Connection on Right Headlamp
*	For Vehicles with Headlamp Range Control

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module

J343	Left HID Headlamp Control Module
J344	Right HID Headlamp Control Module
J519	Vehicle Electrical System Control Module
M1	Left Position Lamp Bulb
M3	Right Position Lamp Bulb
M5	Left Front Turn Signal Bulb
M7	Right Front Turn Signal Bulb
M30	Left High Beam Headlamp Bulb
M32	Right High Beam Headlamp Bulb
N347	Left High/Low Beam Switch-Over Solenoid
N348	Right High/Low Beam Switch-Over Solenoid
T14c	14-Pin Connector
T14d	14-Pin Connector
T20h	20-Pin Connector
T20i	20-Pin Connector
T52a	52-Pin Connector
T52c	52-Pin Connector
*	For Vehicles with Dynamic Cornering Lamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument Panel and Switch Illumination Dimmer Switch, Vehicle Electrical System Control Module

E20	Instrument Panel and Switch Illumination Dimmer Switch
G476	Clutch Position Sensor
J519	Vehicle Electrical System Control Module
J623	Engine/Motor Control Module
J682	Terminal 50 Power Supply Relay
J743	Dual-Clutch Transmission Mechatronic
T5m	5-Pin Connector
T8e	8-Pin Connector
T9b	9-Pin Connector
T20e	20-Pin Connector
T25	25-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
W31	Left Front Entry Lamp
W32	Right Front Entry Lamp
A41	Positive Connection (50) (in Instrument Panel Wiring Harness)
R56	Entry Lamp Connection (in Driver Door Wiring Harness)
*	For Vehicles with Automatic Transmission (DSG) 02E
*2	For Vehicles with Automatic Transmission (DSG) 0AM
*3	For Vehicles with a Manual Transmission

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Light Switch, Fog Lamp Switch, Rear Fog Lamp Switch, Vehicle Electrical System Control Module

E1	Light Switch
E7	Fog Lamp Switch
E18	Rear Fog Lamp Switch
E256	ASR/ESP Button
J519	Vehicle Electrical System Control Module
L9	Headlamp Switch Illumination Bulb
T3g	3-Pin Connector
T6ad	6-Pin Connector
T6b	6-Pin Connector
T10h	10-Pin Connector
T16	16-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
U1	Cigarette Lighter
U31	Diagnostic Connection
W1	Front Interior Lamp
372	Ground Connection 7 (in Main Wiring Harness)
A167	Positive Connection 3 (30a) (in Instrument Panel Wiring Harness)
B238	Positive Connection 2 (58b) (in Interior Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Left Rear Fog Lamp Bulb, Right Tail Lamp Bulb, Left Tail Lamp Bulb, Left Rear Turn Signal Bulb, Right Rear Turn Signal Bulb, Left Brake Lamp Bulb, Right Brake Lamp Bulb, Right Back-Up Lamp Bulb

J519	Vehicle Electrical System Control Module
L46	Left Rear Fog Lamp Bulb
M2	Right Tail Lamp Bulb
M4	Left Tail Lamp Bulb
M6	Left Rear Turn Signal Bulb
M8	Right Rear Turn Signal Bulb
M9	Left Brake Lamp Bulb
M10	Right Brake Lamp Bulb
M17	Right Back-Up Lamp Bulb
T5n	5-Pin Connector
T5o	5-Pin Connector
T6am	6-Pin Connector
T52a	52-Pin Connector
T52c	52-Pin Connector
Y7	Automatic Dimming Interior Rearview Mirror
51	Ground Connection in Luggage Compartment, Right
369	Ground Connection 4 (in Main Wiring Harness)
662	Ground Connection in Left Rear Side Panel
A87	Back-Up Lamp Connection (in Instrument Panel Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Release Button in Rear Lid Handle, Luggage Compartment Lamp Switch, Rear Lid Lock Cylinder/Anti-Theft Alarm/Central Locking Contact Switch, Rear Lid Lock Unit, Vehicle Electrical System Control Module, High-Mounted Brake Lamp Bulb, Power Rear Lid Opening Motor, License Plate Lamp

E234	Release Button in Rear Lid Handle
F5	Luggage Compartment Lamp Switch
F124	Rear Lid Lock Cylinder/Anti-Theft Alarm/Central Locking Contact Switch
F256	Rear Lid Lock Unit
J519	Vehicle Electrical System Control Module
M25	High-Mounted Brake Lamp Bulb
T4f	4-Pin Connector
T17	17-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
V254	Power Rear Lid Opening Motor
X	License Plate Lamp
195	Ground Connection (in Rear Door Contact Switch Wiring Harness)
218	Ground Connection 1 (in Rear Lid Wiring Harness)
W41	Positive Connection (58) (in License Plate Lamp Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Terminal 75 Power Supply Relay 1, Rear Window Wiper Motor, Windshield and Rear Window Washer Pump

J519	Vehicle Electrical System Control Module
J680	Terminal 75 Power Supply Relay 1
SC41	Fuse 41 (On Fuse Panel C)
T4bv	4-Pin Connector
T9m	9-Pin Connector
T17	17-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
V12	Rear Window Wiper Motor
V59	Windshield and Rear Window Washer Pump
B183	Windshield Washer Pump Connection 1 (in Interior Wiring Harness)
B184	Windshield Washer Pump Connection 2 (in Interior Wiring Harness)
*	Depending on Equipment
*2	1.5 Diameter Possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Fluid Level Warning Switch, Engine Hood Contact Switch, Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Left Washer Nozzle Heater, Right Washer Nozzle Heater

F34	Brake Fluid Level Warning Switch
F266	Engine Hood Contact Switch
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
T2a	2-Pin Connector
T2t	2-Pin Connector
T2u	2-Pin Connector
T2v	2-Pin Connector
T20d	20-Pin Connector
T52a	52-Pin Connector
T52c	52-Pin Connector
Z20	Left Washer Nozzle Heater
Z21	Right Washer Nozzle Heater
381	Ground Connection 16 (in Main Wiring Harness)
382	Ground Connection 17 (in Main Wiring Harness)
A201	Positive Connection 6 (15a) (in Instrument Panel Wiring Harness)
C53	Positive Connection (X) (in Heated Spray Nozzle Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Interior Monitoring Deactivation Switch, Brake Lamp Switch, Rain/Light Recognition Sensor, Dual Tone Horn Relay, ABS Control Module, Wiper Motor Control Module, Vehicle Electrical System Control Module, Front Seat Heating Control Module, Front Interior Lamp

E267	Interior Monitoring Deactivation Switch
F	Brake Lamp Switch
G397	Rain/Light Recognition Sensor
J4	Dual Tone Horn Relay
J104	ABS Control Module
J400	Wiper Motor Control Module
J519	Vehicle Electrical System Control Module
J774	Front Seat Heating Control Module
T3ae	3-Pin Connector
T4ad	4-Pin Connector
T4p	4-Pin Connector
T4y	4-Pin Connector
T6b	6-Pin Connector
T8v	8-Pin Connector
T10a	10-Pin Connector
T47	47-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
W1	Front Interior Lamp
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B131	Connection 54 (in Interior Wiring Harness)
B154	Connection Tk (in Interior Wiring Harness) 1
B528	LIN Bus Connection 1 (in Main Wiring Harness)
*	For Vehicles with Seat Heating

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heater/Heat Output Switch, Glove Compartment Lamp Switch, Headlamp Washer Relay, Fuel Pump Relay 2, Vehicle Electrical System Control Module, Fuel Pump Control Module, Luggage Compartment Lamp

E16	Heater/Heat Output Switch
E26	Glove Compartment Lamp Switch
J39	Headlamp Washer Relay
J49	Fuel Pump Relay 2
J519	Vehicle Electrical System Control Module
J538	Fuel Pump Control Module
T10v	10-Pin Connector
T20c	20-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
W3	Luggage Compartment Lamp
B150	Positive Connection 2 (30a) (in Interior Wiring Harness)
*	Depending on Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Emergency Flasher Button, Back-Up Lamp Switch, Driver Door Control Module, Front Passenger Door Control Module, Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Data Bus on Board Diagnostic Interface

E229	Emergency Flasher Button
F4	Back-Up Lamp Switch
G65	High Pressure Sensor
J386	Driver Door Control Module
J387	Front Passenger Door Control Module
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J533	Data Bus on Board Diagnostic Interface
K6	Emergency Flasher Indicator Lamp
T2ak	2-Pin Connector
T3c	3-Pin Connector
T6bq	6-Pin Connector
T20	20-Pin Connector
T20a	20-Pin Connector
T20b	20-Pin Connector
T20d	20-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A20	Positive Connection 15a (in Instrument Panel Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Driver Side Rear Door Control Module, Passenger Side Rear Door Control Module, Fuel Filler Door Lock Motor

J519	Vehicle Electrical System Control Module
J926	Driver Side Rear Door Control Module
J927	Passenger Side Rear Door Control Module
T2n	2-Pin Connector
T18b	18-Pin Connector
T18c	18-Pin Connector
T28b	28-Pin Connector
T28c	28-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
V155	Fuel Filler Door Lock Motor
A168	Positive Connection 4 (30a) (in Instrument Panel Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Interior Monitoring Deactivation Switch, Interior Monitoring Sensor, Alarm Horn, Rear Window Defogger Relay, Vehicle Electrical System Control Module, Terminal 75 Power Supply Relay 1

E267	Interior Monitoring Deactivation Switch
G273	Interior Monitoring Sensor
H12	Alarm Horn
J9	Rear Window Defogger Relay
J519	Vehicle Electrical System Control Module
J680	Terminal 75 Power Supply Relay 1
T3f	3-Pin Connector
T4ad	4-Pin Connector
T4j	4-Pin Connector
T8d	8-Pin Connector
T9m	9-Pin Connector
T9n	9-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
B549	LIN Bus Connection 2 (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

211 212 213 214 215 216 217 218 219 220 221 222 223 224

A15-045170523

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Vehicle electrical system control module (NAR)

from July 2009

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Fuse panel A, Fuse panel C

A	Battery
C	Generator
J386	Driver door control module
J387	Front passenger door control module
SA	Fuse panel A
SA1	Fuse 1 (on fuse panel A)
SC	Fuse panel C
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SA5	Fuse 5 (on fuse panel A)
SC12	Fuse 12 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC15	Fuse 15 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A1	Positive connection (30a) (in instrument panel wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Terminal 15 power supply relay 2, Fuse panel B

J400	Wiper motor control module
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
T4p	4-pin connector
T9i	9-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument panel and switch illumination dimmer switch, Vehicle electrical control module system

E20	Instrument panel and switch illumination dimmer switch
J285	Instrument cluster control module
J519	Vehicle electrical control module system
T3ba	3-pin connector
T4t	4-pin connector
T8e	8-pin connector
T32c	32-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
U11	Interior socket, 230 V, 110 V
47	Ground connection in right front footwell
367	Ground connection 2 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A17	Connection 61 (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Left front fog lamp bulb, Right front fog lamp bulb, Left position lamp bulb, Right position lamp bulb, Left front turn signal bulb, Right front turn signal bulb, Left low beam headlamp bulb, Left high beam headlamp bulb, Right low beam headlamp bulb, Right high beam headlamp bulb

F34	Brake fluid level warning switch
J519	Vehicle electrical control module system
L22	Left front fog lamp bulb
L23	Right front fog lamp bulb
M1	Left position lamp bulb
M3	Right position lamp bulb
M5	Left front turn signal bulb
M7	Right front turn signal bulb
M29	Left low beam headlamp bulb
M30	Left high beam headlamp bulb
M31	Right low beam headlamp bulb
M32	Right high beam headlamp bulb
T2v	Double connector
T10i	10-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
*	Only for vehicles with fog lamps

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction transmission range switch, Clutch position sensor, Dual tone horn relay, Wiper motor control module, Vehicle electrical control module system, Terminal 50 power supply relay, DSG transmission Mechatronic, Windshield washer pump, Front interior lamp

F125	Multifunction transmission range switch
G476	Clutch position sensor
J4	Dual tone horn relay
J400	Wiper motor control module
J519	Vehicle electrical control module system
J623	Engine control module
J682	Terminal 50 power supply relay
J743	DSG transmission Mechatronic
T4p	4-pin connector
T5m	5-pin connector
T6b	6-pin connector
T9b	9-pin connector
T10n	10-pin connector
T20e	20-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T94	94-pin connector
V5	Windshield washer pump
W1	Front interior lamp
(A41)	Positive connection (50) (in instrument panel wiring harness)
*	Only for vehicles with a manual transmission
*2	Only for vehicles with tiptronic
*3	Only for vehicles with DSG transmission 02E
*4	only for vehicles with engine code CBFA

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Light switch, Fog lamp switch, Vehicle electrical control module system, Cigarette lighter

E1	Light switch
E7	Fog lamp switch
E256	ASR/ESP button
J519	Vehicle electrical control module system
L9	Headlamp switch illumination bulb
T3g	3-pin connector
T6ad	6-pin connector
T6b	6-pin connector
T10h	10-pin connector
T16	16-pin connector
T52a	52-pin connector
T52b	52-pin connector
U1	Cigarette lighter
U31	Diagnostic connection
W1	Front interior lamp
372	Ground connection 7 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Left daytime running lamp and position lamp LED module, Right daytime running lamp and position lamp LED module, Left rear turn signal bulb, Right rear turn signal bulb, Left brake lamp bulb, Right brake lamp bulb, High-mounted brake lamp bulb

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

J519	Vehicle electrical control module system
J774	Front seat heating control module
L176	Left daytime running lamp and position lamp LED module
L177	Right daytime running lamp and position lamp LED module
M6	Left rear turn signal bulb
M8	Right rear turn signal bulb
M9	Left brake lamp bulb
M10	Right brake lamp bulb
M25	High-mounted brake lamp bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
T2	Double connector
T4a	4-pin connector
T4b	4-pin connector
T5c	5-pin connector
T8v	8-pin connector
T10a	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
50	Ground connection in luggage compartment, left
86	Ground connection 1 (in rear wiring harness)
98	Ground connection (in rear lid wiring harness)
369	Ground connection 4 (in main wiring harness)
663	Ground connection in right rear side panel
A84	Connection 58L (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
*	Only for vehicles with an auxiliary heater

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Vehicle electrical control module system, Steering column electronics control module, Left back-up lamp bulb, Right back-up lamp bulb, License plate lamp, Left washer nozzle heater, Right washer nozzle heater

J519	Vehicle electrical control module system
J527	Steering column electronics control module
M16	Left back-up lamp bulb
M17	Right back-up lamp bulb
T2t	Double connector
T2u	Double connector
T4fc	4-pin connector
T5a	5-pin connector
T6	6-pin connector
T20d	20-pin connector
T52a	52-pin connector
T52c	52-pin connector
X	License plate lamp
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
98	Ground connection (in rear lid wiring harness)
382	Ground connection 17 (in main wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
C53	Positive connection (x) (in heated spray nozzle wiring harness)
*	only for vehicles with engine code CBFA

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Emergency flasher button, Brake lamp switch, Rear lid lock unit, Engine hood contact switch, ABS control module, Vehicle electrical control module system, Luggage compartment lamp

E26	Glove compartment lamp switch
E229	Emergency flasher button
F	Brake lamp switch
F256	Rear lid lock unit
F266	Engine hood contact switch
J104	ABS control module
J519	Vehicle electrical control module system
K6	Emergency flasher indicator lamp
T2a	Double connector
T3r	3-pin connector
T4	4-pin connector
T4y	4-pin connector
T5c	5-pin connector
T6	6-pin connector
T47	47-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
W3	Luggage compartment lamp
195	Ground connection (in rear door contact switch wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
*	Adapter cable

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Back-up lamp switch, High pressure sensor, Alarm horn, Dual tone horn relay, Rear window defogger relay, Power sunroof control module, Vehicle electrical control module system, Strobe lamp control module, Driver side rear door control module, Rear lid unlock motor, Fuel filler door unlock motor

F4	Back-up lamp switch
G65	High pressure sensor
H12	Alarm horn
J4	Dual tone horn relay
J9	Rear window defogger relay
J245	Power sunroof control module
J519	Vehicle electrical control module system
J627	Strobe lamp control module
J926	Driver side rear door control module
T2	Double connector
T2ae	Double connector
T2n	Double connector
T3c	3-pin connector
T3r	3-pin connector
T5c	5-pin connector
T6c	6-pin connector
T9n	9-pin connector
T18b	18-pin connector
T18h	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V139	Rear lid unlock motor
V155	Fuel filler door unlock motor
A20	Positive connection 15a (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Steering column electronics control module, Data bus on board diagnostic interface, Fuel pump control module, Fuel primer relay, Terminal 75 power supply relay 1, Left front entry lamp, Right front entry lamp

J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J538	Fuel pump control module
J643	Fuel primer relay
J680	Terminal 75 power supply relay 1
T9m	9-pin connector
T10v	10-pin connector
T20	20-pin connector
T20d	20-pin connector
T52b	52-pin connector
T52c	52-pin connector
W31	Left front entry lamp
W32	Right front entry lamp
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
R56	Entry lamp connection (in driver door wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Network (CAN, LIN) bus system

from July 2009

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Battery, Fuse panel C

A	Battery
B	Starter
C	Generator
E1	Light switch
J9	Rear window defogger relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T10h	10-pin connector
T10i	10-pin connector
V48	Left headlamp beam adjustment motor
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment
*2	16.0 diameter possible
*3	Only for vehicles with DSG transmission 02E
*4	Only for vehicles with DSG transmission 0AM

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Transmission control module, Data bus on board diagnostic interface, Terminal 15 power supply relay 2

J217	Transmission control module
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface
J623	Engine control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
J743	DSG transmission Mechatronic
SB7	Fuse 7 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T20	20-pin connector
T20e	20-pin connector
T32c	32-pin connector
T40	40-pin connector
T52	52-pin connector
T121	121-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A76	KS-diagnostic lead connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rain/light recognition sensor, Driver door control module, Front passenger door control module, Wiper motor control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Driver side rear door control module, Passenger side rear door control module, Diagnostic connection

G397	Rain/light recognition sensor
J386	Driver door control module
J387	Front passenger door control module
J400	Wiper motor control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
J926	Driver side rear door control module
J927	Passenger side rear door control module
T3ae	3-pin connector
T4p	4-pin connector
T16	16-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20	20-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
B528	LIN bus connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Airbag control module, Auxiliary heater control module, Cell phone operating electronics control module, Radio/ navigation display unit control module, Digital sound system control module, Vehicle location recognition control module, Engine control module, Multimedia system control module, Radio

J104	ABS control module
J234	Airbag control module
J364	Auxiliary heater control module
J412	Cell phone operating electronics control module
J431	Headlamp range control module
J446	Parking aid control module
J500	Power steering control module
J503	Radio/navigation display unit control module
J525	Digital sound system control module
J603	Vehicle location recognition control module
J623	Engine control module
J650	Multimedia system control module
R	Radio
T3ao	3-pin connector
T6z	6-pin connector
T8h	8-pin connector
T8j	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T16m	16-pin connector
T26a	26-pin connector
T26c	26-pin connector
T38	38-pin connector
T47	47-pin connector
T50	50-pin connector
T54	54-pin connector
T75	75-pin connector
T121	121-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

tiptronic switch, Transmission control module, Engine control module, DSG transmission Mechatronic

F189	tiptronic switch
J217	Transmission control module
J446	Parking aid control module
J587	Selector lever sensor system control module
J623	Engine control module
J743	DSG transmission Mechatronic
T10s	10-pin connector
T16m	16-pin connector
T20e	20-pin connector
T25	25-pin connector
T28	28-pin connector
T52	52-pin connector
T94	94-pin connector
T121	121-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with DSG transmission 02E
*2	Only for vehicles with DSG transmission 0AM
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Climatronic control module, A/C control module, Towing recognition control module, Driver door control module, Front passenger door control module, Steering column electronics control module

J255	Climatronic control module
J301	A/C control module
J345	Towing recognition control module
J386	Driver door control module
J387	Front passenger door control module
J527	Steering column electronics control module
T2ak	Double connector
T12h	12-pin connector
T20a	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T20d	20-pin connector
T28	28-pin connector, on the left A-pillar
T28a	28-pin connector, on the right A-pillar
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Auxiliary air heater (PTC) , (7E6)

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Terminal 30 power supply relay, Low heat output relay, High heat output relay, Fuse panel A, Fuse panel B, Auxiliary heater heating element

A	Battery
J317	Terminal 30 power supply relay
J359	Low heat output relay
J360	High heat output relay
J623	Engine control module
SA	Fuse panel A
SA4	Fuse 4 (on fuse panel A)
SA6	Fuse 6 (on fuse panel A)
SB	Fuse panel B
SB10	Fuse 10 (on fuse panel B)
SB15	Fuse 15 (on fuse panel B)
T3am	3-pin connector
T6bg	6-pin connector
T9j	9-pin connector
T40	40-pin connector
T94	94-pin connector
Z35	Auxiliary heater heating element
44	Ground connection on A-pillar, lower left
507	Terminal 30 threaded connection (on battery fuse holder)
A176	Auxiliary heater connection (in instrument panel wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)
*	Refer to applicable engine wiring diagram
*2	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Electromechanical power steering , (1N3)

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Battery, Instrument cluster control module, Vehicle electrical system control module, Terminal 15 power supply relay 2

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J519	Vehicle electrical system control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
*	Only for vehicles with DSG transmission 02E
*2	Only for vehicles with DSG transmission 0AM
*3	16,0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Steering torque sensor, Instrument cluster control module, Power steering control module, Electromechanical power steering motor

G269	Steering torque sensor
J285	Instrument cluster control module
J500	Power steering control module
J533	Data bus on board diagnostic interface
J623	Engine control module
SA2	Fuse 2 (on fuse panel A)
T2l	Double connector
T4ae	4-pin connector
T5g	5-pin connector
T5h	5-pin connector
T6z	6-pin connector
T20	20-pin connector
T32c	32-pin connector
V187	Electromechanical power steering motor
507	Terminal 30 threaded connection (on battery fuse holder)
640	Ground connection 2 in engine compartment, left
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Headlamps HID with range control , (8Q1),(8Q5),(8Q6)

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Generator, Vehicle electrical system control module, Terminal 15 power supply relay 2, Left position lamp bulb, Left front turn signal bulb, Fuse 1 (on fuse panel A), Fuse 1 (on fuse panel C), Fuse 7 (on fuse panel B)

A	Battery
B	Starter
C	Generator
E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical system control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
M1	Left position lamp bulb
M5	Left front turn signal bulb
SA1	Fuse 1 (on fuse panel A)
SC1	Fuse 1 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T8e	8-pin connector
T9b	9-pin connector
T9i	9-pin connector
T12p	12-pin connector, on the left headlamp
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
376	Ground connection 11 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
*	16.0 diameter possible
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left HID headlamp control module, Headlamp range control module, Vehicle electrical system control module, Left HID headlamp bulb, Left high beam headlamp bulb, Left high/ low beam switch-over solenoid

J343	Left HID headlamp control module
J431	Headlamp range control module
J519	Vehicle electrical system control module
L13	Left HID headlamp bulb
M30	Left high beam headlamp bulb
N347	Left high/low beam switch-over solenoid
T2af	2-pin connector
T4as	4-pin connector
T12p	12-pin connector, on the left headlamp
T20h	20-pin connector
T26c	26-pin connector
T52a	52-pin connector
T52c	52-pin connector
W6	Glove compartment lamp
376	Ground connection 11 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Headlamp range control sensor 1, Headlamp range control module, Vehicle electrical system control module, Left headlamp beam adjustment motor

G233	Headlamp range control sensor 1
G234	Headlamp range control sensor 2
J431	Headlamp range control module
J519	Vehicle electrical system control module
T4aq	4-pin connector
T4ar	4-pin connector
T12p	12-pin connector, on the left headlamp
T26c	26-pin connector
V48	Left headlamp beam adjustment motor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right HID headlamp control module, Headlamp range control module, Vehicle electrical system control module, Right HID headlamp bulb, Right high/low beam switch-over solenoid, Right headlamp beam adjustment motor

J344	Right HID headlamp control module
J431	Headlamp range control module
J519	Vehicle electrical system control module
L14	Right HID headlamp bulb
N348	Right high/low beam switch-over solenoid
T4at	4-pin connector
T12q	12-pin connector, on the right headlamp
T20i	20-pin connector
T26c	26-pin connector
T52c	52-pin connector
V49	Right headlamp beam adjustment motor
378	Ground connection 13 (in main wiring harness)
656	Ground connection on right headlamp
B167	Connection 56b (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Turn signal switch, Headlamp dimmer/flasher switch, Vehicle electrical system control module, Steering column electronics control module, Right position lamp bulb, Right front turn signal bulb, Right high beam headlamp bulb

E2	Turn signal switch
E4	Headlamp dimmer/flasher switch
J519	Vehicle electrical system control module
J527	Steering column electronics control module
M3	Right position lamp bulb
M7	Right front turn signal bulb
M32	Right high beam headlamp bulb
T2an	2-pin connector
T12q	12-pin connector, on the right headlamp
T20d	20-pin connector
T52a	52-pin connector
T52c	52-pin connector
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Light switch, Vehicle electrical system control module, Data bus on board diagnostic interface

E1	Light switch
J104	ABS control module
J285	Instrument cluster control module
J519	Vehicle electrical system control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
T10h	10-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52a	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
372	Ground connection 7 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Instrument panel and switch illumination dimmer switch, Vehicle electrical system control module, Lighting control illumination bulb

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical system control module
L105	Lighting control illumination bulb
T8e	8-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Tire pressure monitoring

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Instrument cluster control module, Vehicle electrical control module system, Terminal 15 power supply relay 2, Instrument cluster, Fuse 2 (on fuse panel C)

J285	Instrument cluster control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
K	Instrument cluster
SC2	Fuse 2 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T20	20-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

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Outside air temperature sensor, Engine coolant level sensor, Windshield washer fluid level sensor, Left front tire pressure monitoring sensor, Right front tire pressure monitoring sensor, Left rear tire pressure monitoring sensor, Right rear tire pressure monitoring sensor, Instrument cluster control module, Instrument cluster

G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
G222	Left front tire pressure monitoring sensor
G223	Right front tire pressure monitoring sensor
G224	Left rear tire pressure monitoring sensor
G225	Right rear tire pressure monitoring sensor
J285	Instrument cluster control module
K	Instrument cluster
K220	Tire pressure monitoring display indicator lamp
T2z	Double connector
T32c	32-pin connector
410	Sensor ground connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Headlamp washer system , (8X1)

from July 2009

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Generator, Headlamp washer relay, Vehicle electrical system control module, Headlamp washer pump

A	Battery
B	Starter
C	Generator
J39	Headlamp washer relay
J519	Vehicle electrical system control module
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC36	Fuse 36 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T40	40-pin connector
T52b	52-pin connector
V11	Headlamp washer pump
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
656	Ground connection on right headlamp
A98	Positive connection 4 (30) (in instrument panel wiring harness)
B111	Positive connection 1 (30a) (in interior wiring harness)
*	16,0 diameter possible
*2	Diameter depends on equipment

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Windshield wiper intermittent mode switch, Windshield and headlamp washer pump switch, Engine coolant level sensor, Windshield washer fluid level sensor, Instrument cluster control module, Vehicle electrical system control module, Steering column electronics control module, Data bus on board diagnostic interface, Windshield washer fluid level indicator lamp

E22	Windshield wiper intermittent mode switch
E44	Windshield and headlamp washer pump switch
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
J285	Instrument cluster control module
J519	Vehicle electrical system control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K37	Windshield washer fluid level indicator lamp
T20	20-pin connector
T20d	20-pin connector
T32c	32-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
410	Sensor ground connection 1 (in main wiring harness)
602	Ground connection in left front footwell
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Steering wheel, multifunction , (2PP)

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Generator, Vehicle electrical control module system, Steering column electronics control module, Fuse 1 (on fuse panel A)

A	Battery
B	Starter
C	Generator
F189	tiptronic switch
F319	Selector lever park position lock switch
J519	Vehicle electrical control module system
J527	Steering column electronics control module
SA1	Fuse 1 (on fuse panel A)
SB6	Fuse 6 (on fuse panel B)
T10s	10-pin connector
T20d	20-pin connector
T40	40-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A23	Connection 30al (in instrument panel wiring harness)
*	Depending on equipment
*2	16.0 diameter possible
*3	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cruise control switch, Airbag spiral spring/return spring with slip ring, Signal horn activation, Airbag control module, Multifunction steering wheel control module, Steering column electronics control module, Driver airbag igniter

E45	Cruise control switch
E227	Cruise control -SET- button
F138	Airbag spiral spring/return spring with slip ring
H	Signal horn activation
J234	Airbag control module
J453	Multifunction steering wheel control module
J527	Steering column electronics control module
N95	Driver airbag igniter
T4k	4-pin connector
T5k	5-pin connector
T10x	10-pin connector
T12k	12-pin connector
T50	50-pin connector
T75	75-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Ignition/starter switch, Multifunction steering wheel control module, Vehicle electrical control module system, Steering column electronics control module, Ignition switch key lock solenoid

D	Ignition/starter switch
E439	tiptronic downshift button on steering wheel
E440	Left multifunction buttons on steering wheel
J453	Multifunction steering wheel control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
N376	Ignition switch key lock solenoid
T3ah	3-pin connector
T12i	12-pin connector
T12j	12-pin connector
T20d	20-pin connector
T52c	52-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with automatic transmission
*2	Only for vehicles with tiptronic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction steering wheel control module

E438	tiptronic upshift button on steering wheel
E441	Right multifunction buttons on steering wheel
J453	Multifunction steering wheel control module
T3ai	3-pin connector
T10y	10-pin connector
*	Only for vehicles with tiptronic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Instrument cluster control module, Data bus on board diagnostic interface

J104	ABS control module
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface
J623	Engine control module
R	Radio
R36	Telephone transceiver
T16	16-pin connector
T16b	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T54	54-pin connector
U31	Diagnostic connection
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rearview camera (Rear Assist) , (KA1)

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Fuse panel A, Fuse panel B, Fuse panel C

A	Battery
B	Starter
C	Generator
J9	Rear window defogger relay
SA	Fuse panel A
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB8	Fuse 8 (on fuse panel B)
SC	Fuse panel C
SC16	Fuse 16 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T40	40-pin connector
(507)	Terminal 30 threaded connection (on battery fuse holder)
(B169)	Positive connection 1 (30) (in interior wiring harness)
*	Only for vehicles with 90A/110A generator
*2	Only for vehicles with a generator (140 A)
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Rearview camera

J503	Radio/navigation display unit control module
J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M17	Right back-up lamp bulb
R189	Rearview camera
T4bj	4-pin connector
T5l	5-pin connector
T5n	5-pin connector
T5v	5-pin connector
T10t	10-pin connector
T16b	16-pin connector
T26d	26-pin connector
T52c	52-pin connector
51	Ground connection in luggage compartment, right
86	Ground connection 1 (in rear wiring harness)
A87	Back-up lamp connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated seats , (4A3)

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Battery, Vehicle electrical system control module, Terminal 15 power supply relay 2, Fuse 4 (on fuse panel C), Fuse 7 (on fuse panel B), Fuse 29 (on fuse panel B), Fuse 37 (on fuse panel C)

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J519	Vehicle electrical system control module
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SC37	Fuse 37 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
*	Refer to applicable seat adjustment wiring diagram
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated driver seat temperature sensor, Front seat heating control module, Driver backrest heating element, Driver seat bolster heater

G59	Heated driver seat temperature sensor	
J774	Front seat heating control module	
T2d	Double connector, under the driver seat	
T4l	4-pin connector, under the driver seat	
T8v	8-pin connector	
T10a	10-pin connector, under the driver seat	
Z6	Driver seat heating element	
Z7	Driver backrest heating element	
Z31	Driver seat bolster heater	
96	Ground connection 1 (in heated seats wiring harness)	
136	Ground connection 2 (in heated seats wiring harness)	
M44	Connection 4 (in driver seat wiring harness)	
M45	Connection 5 (in driver seat wiring harness)	
O4	Positive connection (30as) (in heated seats wiring harness)	
O13	Connection 2 (in heated seats wiring harness)	
*	The color of the wires depends on vehicle equipment	
*2	1,5 diameter possible	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger heated seat temperature sensor, Front passenger backrest heating element, Front passenger seat bolster heater

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

G60	Front passenger heated seat temperature sensor
T2e	Double connector, under the front passenger seat
T4m	4-pin connector, under the front passenger seat
T10a	10-pin connector, under the driver seat
T10b	10-pin connector, under the front passenger seat
Z8	Front passenger seat heating element
Z9	Front passenger backrest heating element
Z33	Front passenger seat bolster heater
95	Ground connection 1 (in seat adjustment wiring harness)
96	Ground connection 1 (in heated seats wiring harness)
145	Ground connection 3 (in heated seats wiring harness)
318	Ground connection 4 (in heated seats wiring harness)
602	Ground connection in left front footwell
B431	Seat heating connection (in main wiring harness)
M54	Connection 4 (in front passenger seat wiring harness)
Q14	Lock-out switch connection (in power window/central locking system and door contact switch wiring harness)
*	Only for vehicles without adjustable seats
*2	Only for vehicles with adjustable seats
*3	The color of the wires depends on vehicle equipment

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Heated driver seat adjuster, Heated front passenger seat adjuster

E94	Heated driver seat adjuster
E95	Heated front passenger seat adjuster
G65	High pressure sensor
J255	Climatronic control module
J301	A/C control module
T3c	3-pin connector
T10a	10-pin connector, under the driver seat
T10b	10-pin connector
T20c	20-pin connector
47	Ground connection in right front footwell
78	Ground connection on B-pillar, lower right
A20	Positive connection 15a (in instrument panel wiring harness)
B431	Seat heating connection (in main wiring harness)
*	Only for vehicles with US equipment
*2	Depending on equipment
*3	Only for vehicles with Climatronic
*4	Only for vehicles with Climatic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Seat Backrest Adjustment , (3PD),(3PT)

From July 2009

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Battery, Backrest Adjustment Button, Driver Backrest Adjustment Motor

A	Battery
B	Starter
C	Generator
E425	Backrest Adjustment Button
J774	Front Seat Heating Control Module
SA1	Fuse 1 (On Fuse Panel A)
SB29	Fuse 29 (On Fuse Panel B)
SC37	Fuse 37 (On Fuse Panel C)
S44	Driver Power Seat Adjustment Circuit Breaker 1
T2af	2-Pin Connector
T8ac	8-Pin Connector
T8v	8-Pin Connector
T10a	10-Pin Connector
T40	40-Pin Connector
V45	Driver Backrest Adjustment Motor
1	Ground Cable, Battery to Body
12	Ground Connection in Engine/Motor Compartment, Left
45	Ground Connection Behind Instrument Panel, Center
96	Ground Connection 1 (in Heated Seats Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
652	Transmission/Engine Ground Connection
A98	Positive Connection 4 (30) (in Instrument Panel Wiring Harness)
B236	Positive Connection 6 (30a) (in Interior Wiring Harness)
Q4	Positive Connection (30) (in Power Window/Central Locking System and Door Contact Switch Wiring Harness)
*	For Vehicles with US Equipment
*2	Depending on Equipment

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Seat lumbar adjustment with manual seats , (7P7)

from July 2009

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Battery, Driver seat lumbar support adjustment switch, Driver seat lumbar support curvature adjustment motor, Driver seat lumbar support height adjustment motor

A	Battery
B	Starter
C	Generator
E176	Driver seat lumbar support adjustment switch
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC34	Fuse 34 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T4ab	4-pin connector
T6ah	6-pin connector
T10a	10-pin connector, under the driver seat
T40	40-pin connector
V125	Driver seat lumbar support curvature adjustment motor
V129	Driver seat lumbar support height adjustment motor
1	Ground strap, battery to body
77	Ground connection on B-pillar, lower left
96	Ground connection 1 (in heated seats wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A98	Positive connection 4 (30) (in instrument panel wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles with US equipment
*3	Only for vehicles without heated seats
*4	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger seat lumbar support adjustment switch, Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
T2d	Double connector
T2e	Double connector
T4s	4-pin connector
T6ai	6-pin connector
T10b	10-pin connector, under the front passenger seat
V126	Front passenger seat lumbar support curvature adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
Z7	Driver backrest heating element
Z9	Front passenger backrest heating element
12	Ground connection in engine compartment, left
47	Ground connection in right front footwell
78	Ground connection on B-pillar, lower right
145	Ground connection 3 (in heated seats wiring harness)
652	Transmission/engine ground connection
M9	Connection (in seat adjustment wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles with US equipment
*3	Only for vehicles without heated seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Seat lumbar adjustment with power seats , (7P1)

from July 2009

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Battery, Seat forward/back adjustment button, Angle adjustment button, Backrest adjustment button, Driver seat forward/back adjustment motor, Driver backrest adjustment motor, Seat angle adjustment motor

A	Battery
B	Starter
C	Generator
E418	Seat forward/back adjustment button
E421	Angle adjustment button
E425	Backrest adjustment button
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
S44	Driver power seat adjustment circuit breaker 1
T4bc	4-pin connector
T4be	4-pin connector
T4bf	4-pin connector
T6al	6-pin connector
T10a	10-pin connector, under the driver seat
T10ac	10-pin connector
T10b	10-pin connector, under the driver seat
T40	40-pin connector
V28	Driver seat forward/back adjustment motor
V45	Driver backrest adjustment motor
V231	Seat angle adjustment motor
1	Ground strap, battery to body
95	Ground connection 1 (in seat adjustment wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
M1	Positive connection 1 (30) (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Driver seat lumbar support adjustment switch, Seat height adjustment button, Driver seat lumbar support curvature adjustment motor, Driver seat lumbar support height adjustment motor, Driver seat height adjustment motor

E176	Driver seat lumbar support adjustment switch
E424	Seat height adjustment button
SC34	Fuse 34 (on fuse panel C)
T4bc	4-pin connector
T4bd	4-pin connector
T6ah	6-pin connector
T6al	6-pin connector, under the driver seat
T10a	10-pin connector, under the driver seat
T10ac	10-pin connector
T10b	10-pin connector, under the driver seat
V125	Driver seat lumbar support curvature adjustment motor
V129	Driver seat lumbar support height adjustment motor
V138	Driver seat height adjustment motor
12	Ground connection in engine compartment, left
47	Ground connection in right front footwell
77	Ground connection on B-pillar, lower left
95	Ground connection 1 (in seat adjustment wiring harness)
652	Transmission/engine ground connection
A98	Positive connection 4 (30) (in instrument panel wiring harness)
M1	Positive connection 1 (30) (in seat adjustment wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles

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Front passenger seat lumbar support adjustment switch, Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
T2e	Double connector
T4s	4-pin connector, under the front passenger seat
T6ai	6-pin connector
T10a	10-pin connector, under the front passenger seat
T10b	10-pin connector, under the front passenger seat
V126	Front passenger seat lumbar support curvature adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
Z9	Front passenger backrest heating element
78	Ground connection on B-pillar, lower right
145	Ground connection 3 (in heated seats wiring harness)
602	Ground connection in left front footwell
M9	Connection (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles
*3	Only for vehicles with an auxiliary heater
*4	Only for vehicles without heated seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Seat adjustment with memory function , (3L4),(3PH)

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Battery

A	Battery
B	Starter
C	Generator
J774	Front seat heating control module
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC37	Fuse 37 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T8v	8-pin connector
T10a	10-pin connector
T40	40-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
A98	Positive connection 4 (30) (in instrument panel wiring harness)
B236	Positive connection 6 (30a) (in interior wiring harness)
O4	Positive connection (30as) (in heated seats wiring harness)
*	Only for vehicles with 90A/110A generator
*2	Only for vehicles with a generator (140 A)
*3	Diameter depends on equipment
*4	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Memory seat/steering column adjustment control module

J136	Memory seat/steering column adjustment control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J774	Front seat heating control module
T2d	Double connector
T4an	4-pin connector
T8v	8-pin connector
T10a	10-pin connector
T20	20-pin connector
T20d	20-pin connector
Z7	Driver backrest heating element
45	Ground connection behind instrument panel, center
95	Ground connection 1 (in seat adjustment wiring harness)
96	Ground connection 1 (in heated seats wiring harness)
602	Ground connection in left front footwell
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with US equipment
*2	4.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat lumbar support adjustment switch, Driver seat adjustment control head, Memory seat/steering column adjustment control module

E176	Driver seat lumbar support adjustment switch
E470	Driver seat adjustment control head
J136	Memory seat/steering column adjustment control module
T6ah	6-pin connector
T10g	10-pin connector
T26b	26-pin connector
M42	Connection 2 (in driver seat wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat memory settings control head, Memory seat/ steering column adjustment control module

E464	Driver seat memory settings control head
J136	Memory seat/steering column adjustment control module
T6y	6-pin connector
T26b	26-pin connector
(M42)	Connection 2 (in driver seat wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front seat height adjustment sensor, Rear seat height adjustment sensor, Seat forward/back adjustment sensor, Memory seat/steering column adjustment control module, Rear seat height adjustment motor, Seat forward/back adjustment motor, Front seat height adjustment motor

G438	Front seat height adjustment sensor
G439	Rear seat height adjustment sensor
G441	Seat forward/back adjustment sensor
J136	Memory seat/steering column adjustment control module
T6ay	6-pin connector
T6az	6-pin connector
T6ba	6-pin connector
V285	Rear seat height adjustment motor
V288	Seat forward/back adjustment motor
V296	Front seat height adjustment motor
M41	Connection 1 (in driver seat wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Lumbar support height adjustment sensor, Lumbar support forward/back adjustment sensor, Backrest adjustment sensor, Memory seat/steering column adjustment control module, Lumbar support height adjustment motor, Lumbar support forward/back adjustment motor, Front passenger seat height adjustment motor

G374	Lumbar support height adjustment sensor
G375	Lumbar support forward/back adjustment sensor
G440	Backrest adjustment sensor
J136	Memory seat/steering column adjustment control module
T6bb	6-pin connector
T6bc	6-pin connector
V229	Lumbar support height adjustment motor
V230	Lumbar support forward/back adjustment motor
V246	Front passenger seat height adjustment motor
M43	Connection 3 (in driver seat wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cell phone preparation

from July 2009

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Cellular telephone preparation control head, Telephone transceiver, Telephone microphone, Fuse 1 (on fuse panel A), Fuse 9 (on fuse panel B)

A	Battery
B	Starter
C	Generator
E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J519	Vehicle electrical system control module
R36	Telephone transceiver
R38	Telephone microphone
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
T2ai	Double connector
T6av	6-pin connector
T8e	8-pin connector
T40	40-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	16,0 diameter possible
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Radio, Telephone transceiver

J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cell phone universal preparation , (9W2)

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Radio/navigation display unit control module, Radio, Telephone transceiver, Telephone microphone, Fuse 1 (on fuse panel A), Fuse 9 (on fuse panel B)

A	Battery
B	Starter
C	Generator
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
R38	Telephone microphone
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
T2ai	Double connector
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T40	40-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Radio system , (UF9)

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Radio

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	16.0 diameter possible
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multimedia system control module, Radio, External audio source connection

J533	Data bus on board diagnostic interface
J650	Multimedia system control module
R	Radio
R199	External audio source connection
T3ag	3-pin connector
T4	4-pin connector
T12c	12-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20	20-pin connector
370	Ground connection 5 (in main wiring harness)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system , (8AN)

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Radio, External audio source connection, Fuse 1 (on fuse panel A), Fuse 8 (on fuse panel B)

A	Battery
B	Starter
C	Generator
R	Radio
R41	CD changer
R199	External audio source connection
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T3ag	3-pin connector
T12c	12-pin connector
T12d	12-pin connector
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	16.0 diameter possible
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system RCD 210 , (8UR)

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Radio

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Diameter depends on equipment
*2	16.0 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Radio, CD changer

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
R	Radio
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left front treble speaker, Left front bass speaker, Right front treble speaker, Right front bass speaker

R	Radio
R20	Left front treble speaker
R21	Left front bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system RCD 310 , (8AP),(8AE),(8AG)

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Radio

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Radio, CD changer

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
R	Radio
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left rear treble speaker, Left rear bass speaker, Left front treble speaker, Left front bass speaker

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28b	28-pin connector, on the left B-pillar
*	Only for vehicles with 8 speakers (8RM)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Right rear treble speaker, Right rear bass speaker, Right front treble speaker, Right front bass speaker

R	Radio
R16	Right rear treble speaker
R17	Right rear bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar
T28c	28-pin connector, on the right B-pillar
*	Only for vehicles with 8 speakers (8RM)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system RCD 510 , (8DD)

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Radio

A	Battery
B	Starter
C	Generator
J650	Multimedia system control module
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T12m	12-pin connector
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

R	Radio
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

R	Radio
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio navigation system , (7T8),(7T2)

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Radio/navigation display unit control module

A	Battery
B	Starter
C	Generator
J503	Radio/navigation display unit control module
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T3bgp	3-pin connector
T16b	16-pin connector
T40	40-pin connector
(45)	Ground connection behind instrument panel, center
(370)	Ground connection 5 (in main wiring harness)
(507)	Terminal 30 threaded connection (on battery fuse holder)
(B224)	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Radio/navigation display unit control module, Vehicle electrical system control module, CD changer

E20	Instrument panel and switch illumination dimmer switch
J503	Radio/navigation display unit control module
J519	Vehicle electrical system control module
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Left front treble speaker, Left front bass speaker

J503	Radio/navigation display unit control module
R14	Left rear treble speaker
R15	Left rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28b	28-pin connector, on the left B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right rear treble speaker, Right rear bass speaker, Right front treble speaker, Right front bass speaker

J503	Radio/navigation display unit control module
R16	Right rear treble speaker
R17	Right rear bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Antenna, Antenna amplifier, Radio antenna 2, Antenna amplifier 2

J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R11	Antenna
R24	Antenna amplifier
R93	Radio antenna 2
R111	Antenna amplifier 2
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, GPS antenna, Antenna amplifier 3

J503 Radio/navigation display unit control module
R50 GPS antenna
R112 Antenna amplifier 3

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system with standard sound

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Radio

A	Battery
J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
J650	Multimedia system control module
R	Radio
SB8	Fuse 8 (on fuse panel B)
T8h	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

R	Radio
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

R	Radio
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system Premium , (8US),(8AX)

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Radio

A	Battery
J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
J650	Multimedia system control module
R	Radio
SB8	Fuse 8 (on fuse panel B)
T8h	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

R	Radio
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

R	Radio
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio navigation system, satellite , (QU4),(QV4),(QV8)

from July 2009

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Radio/navigation display unit control module

A	Battery
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
J650	Multimedia system control module
SB8	Fuse 8 (on fuse panel B)
T8h	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

J503	Radio/navigation display unit control module
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

J503	Radio/navigation display unit control module
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

J503	Radio/navigation display unit control module
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 2, Antenna amplifier 3

J503	Radio/navigation display unit control module
R11	Antenna
R24	Antenna amplifier
R50	GPS antenna
R93	Radio antenna 2
R111	Antenna amplifier 2
R112	Antenna amplifier 3
R170	Satellite antenna

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Comfort system (NAR)

from December 2009

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Battery, Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse panel C, Fuse 29 (on fuse panel B)

A	Battery
C	Generator
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC12	Fuse 12 (on fuse panel C)
SC23	Fuse 23 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC26	Fuse 26 (on fuse panel C)
SB29	Fuse 29 (on fuse panel B)
SC33	Fuse 33 (on fuse panel C)
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A1	Positive connection (30a) (in instrument panel wiring harness)
A62	Power window connection (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Child safety lock button, Driver power window button, Driver side rear power window button in driver door, Passenger side rear power window button in driver door, Front passenger power window button in driver door, Driver door control module

E318	Child safety lock button
E710	Driver power window button
E712	Driver side rear power window button in driver door
E714	Passenger side rear power window button in driver door
E715	Front passenger power window button in driver door
J386	Driver door control module
L76	Push button illumination bulb
T10c	10-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V147	Driver window regulator motor
267	Ground connection 2 (in driver door wiring harness)
Q38	Positive connection 1 (58b) (in power window wiring harness)

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Mirror adjusting switch, Mirror selector switch, Exterior rearview mirror heating switch, Driver interior locking button, Driver door control module, Driver interior locking indicator lamp, Mirror adjustment switch illumination bulb

E43	Mirror adjusting switch
E48	Mirror selector switch
E231	Exterior rearview mirror heating switch
E308	Driver interior locking button
J386	Driver door control module
K174	Driver interior locking indicator lamp
L76	Push button illumination bulb
L78	Mirror adjustment switch illumination bulb
T2f	Double connector
T4n	4-pin connector
T6a	6-pin connector
T32a	32-pin connector
267	Ground connection 2 (in driver door wiring harness)
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rear lid remote release button, Driver door control module, Driver mirror adjustment motor 2, Driver mirror adjustment motor

E233	Rear lid remote release button
J386	Driver door control module
L76	Push button illumination bulb
L131	Driver exterior rearview mirror turn signal bulb
T4w	4-pin connector
T16a	16-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V17	Driver mirror adjustment motor 2
V149	Driver mirror adjustment motor
Z4	Heated driver exterior rearview mirror
43	Ground connection on A-pillar, lower right
89	Ground connection 1 (in power window wiring harness)
267	Ground connection 2 (in driver door wiring harness)
385	Ground connection 20 (in main wiring harness)
388	Ground connection 23 (in main wiring harness)
602	Ground connection in left front footwell
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger interior locking button, Front passenger power window button, Driver door contact switch, Driver door control module, Front passenger door control module, Driver door lock unit, Driver door central locking system motor, Front passenger window regulator motor

E309	Front passenger interior locking button
E716	Front passenger power window button
F2	Driver door contact switch
J386	Driver door control module
J387	Front passenger door control module
L76	Push button illumination bulb
T4c	4-pin connector
T4z	4-pin connector
T8b	8-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28a	28-pin connector
T32b	32-pin connector
VX21	Driver door lock unit
V56	Driver door central locking system motor
V148	Front passenger window regulator motor
268	Ground connection 2 (in front passenger door wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger door contact switch, Front passenger door control module, Front passenger door lock unit, Front passenger side mirror adjustment motor 2, Front passenger door central locking system motor, Front passenger mirror adjustment motor

F3	Front passenger door contact switch
J387	Front passenger door control module
L132	Front passenger exterior rearview mirror turn signal bulb
T8c	8-pin connector
T16d	16-pin connector
T20b	20-pin connector
T28a	28-pin connector
VX22	Front passenger door lock unit
V25	Front passenger side mirror adjustment motor 2
V57	Front passenger door central locking system motor
V150	Front passenger mirror adjustment motor
Z5	Heated front passenger exterior rearview mirror
107	Ground connection (in exterior mirror wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver side rear power window button, Driver side rear interior locking button, Left rear door contact switch, Driver side rear door control module, Left rear door lock unit, Left rear central locking system motor, Driver side rear window regulator motor

E711	Driver side rear power window button
E717	Driver side rear interior locking button
F10	Left rear door contact switch
J926	Driver side rear door control module
L76	Push button illumination bulb
T4d	4-pin connector
T4i	4-pin connector
T6i	6-pin connector
T18b	18-pin connector
T28b	28-pin connector
VX23	Left rear door lock unit
V115	Left rear central locking system motor
V471	Driver side rear window regulator motor
168	Ground connection (in left swinging door wiring harness)
Q40	Positive connection 3 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Passenger side rear power window button, Passenger side rear interior locking button, Right rear door contact switch, Passenger side rear door control module, Right rear door lock unit, Right rear window regulator motor, Passenger side rear window regulator motor

E713	Passenger side rear power window button
E718	Passenger side rear interior locking button
F11	Right rear door contact switch
J927	Passenger side rear door control module
L76	Push button illumination bulb
T4e	4-pin connector
T4h	4-pin connector
T6l	6-pin connector
T18c	18-pin connector
T28c	28-pin connector
VX24	Right rear door lock unit
V27	Right rear window regulator motor
V472	Passenger side rear window regulator motor
169	Ground connection (in right swinging door wiring harness)
Q41	Positive connection 4 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Interior monitoring sensor, Vehicle inclination sensor, Alarm horn, Vehicle electrical control module system, Right position lamp bulb

E26	Glove compartment lamp switch
F47	Brake pedal switch
G273	Interior monitoring sensor
G384	Vehicle inclination sensor
H12	Alarm horn
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
M3	Right position lamp bulb
T3ad	3-pin connector
T3f	3-pin connector
T4y	4-pin connector
T6am	6-pin connector
T8d	8-pin connector
T9b	9-pin connector
T10j	10-pin connector
T52b	52-pin connector
Y7	Automatic dimming interior rearview mirror
347	Ground connection (in roof wiring harness)
378	Ground connection 13 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
459	Ground connection 15 (in interior wiring harness)
656	Ground connection on right headlamp
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
B549	LIN bus connection 2 (in main wiring harness)
*	Flat conductor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock unit, Vehicle electrical control module system, Left tail lamp bulb, Fuel filler door unlock motor, Rear lid opening motor, Luggage compartment lamp

E1	Light switch
E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F256	Rear lid lock unit
J519	Vehicle electrical control module system
M4	Left tail lamp bulb
T2n	Double connector
T4f	4-pin connector
T5o	5-pin connector
T10h	10-pin connector
T16	16-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
U31	Diagnostic connection
V155	Fuel filler door unlock motor
V254	Rear lid opening motor
W3	Luggage compartment lamp
47	Ground connection in right front footwell
50	Ground connection in luggage compartment, left
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
369	Ground connection 4 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine hood contact switch, Vehicle electrical control module system

F34	Brake fluid level warning switch
F266	Engine hood contact switch
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
M5	Left front turn signal bulb
T2a	Double connector
T2v	Double connector
T10i	10-pin connector
T20	20-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Refer to applicable wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunroof adjustment regulator, Sunroof tilt button 1, Roof shade button 1, Power sunroof control module, Roof shade control module, Fuse 39 (on fuse panel C), Sunroof motor, Sunroof shade motor

E139	Sunroof adjustment regulator
E582	Sunroof tilt button 1
E584	Roof shade button 1
J245	Power sunroof control module
J394	Roof shade control module
L76	Push button illumination bulb
SC39	Fuse 39 (on fuse panel C)
T6c	6-pin connector
V1	Sunroof motor
V260	Sunroof shade motor
178	Ground connection (in sunroof wiring harness)
B577	LIN bus connection (in roof wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake system vacuum pump

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Battery, Vehicle electrical system control module, Engine control module, Brake system vacuum pump

A	Battery
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J623	Engine control module
J682	Terminal 50 power supply relay
SB7	Fuse 7 (on fuse panel B)
SC31	Fuse 31 (on fuse panel C)
T6ab	6-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
T121	121-pin connector
V192	Brake system vacuum pump
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
131	Ground connection 2 (in engine compartment wiring harness)
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
607	Ground connection in plenum chamber, left
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
*	Depending on equipment

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Fuse positions

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Battery, Starter, Fuse 4 (on fuse panel A)

A	Battery
B	Starter
C	Generator
J360	High heat output relay
J500	Power steering control module
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA2	Fuse 2 (on fuse panel A)
SA3	Fuse 3 (on fuse panel A)
SA4	Fuse 4 (on fuse panel A)
T2l	2-pin connector
T4x	4-pin connector
T6bg	6-pin connector
T9b	9-pin connector
V7	Radiator fan
V187	Electromechanical power steering motor
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Terminal 30 power supply relay, Simon control module power supply relay, Fuse 5 (on fuse panel A), Fuse 6 (on fuse panel A), Fuse panel B

F34	Brake fluid level warning switch
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
J359	Low heat output relay
J363	Simon control module power supply relay
J623	Engine control module
SA5	Fuse 5 (on fuse panel A)
SA6	Fuse 6 (on fuse panel A)
SB	Fuse panel B
T2v	2-pin connector
T9j	9-pin connector
T40	40-pin connector
T81	81-pin connector
T94	94-pin connector
381	Ground connection 16 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B169	Positive connection 1 (30) (in interior wiring harness)
B170	Positive connection 2 (30) (in interior wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
*	Depending on equipment
*2	Only for vehicles with a diesel engine
*3	Only for vehicles with a 1.6L engine
*4	Only for vehicles with a 1.4L engine

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Fuse panel B

G476	Clutch position sensor
J623	Engine control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N152	Ignition transformer
N276	Fuel pressure regulator valve
N290	Fuel metering valve
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
SB	Fuse panel B
SB14	Fuse 14 (on fuse panel B)
SB22	Fuse 22 (on fuse panel B)
T4aa	4-pin connector
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T5m	5-pin connector
T14a	14-pin connector
T40	40-pin connector
T121	121-pin connector
D20	Connection 87a (in right front wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
D182	Connection 3 (87a) (in engine compartment wiring harness)
*	Depending on equipment
*2	Only for vehicles with a 1.6L engine
*3	Only for vehicles with a diesel engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Coolant circulation pump relay, Fuse panel B

J151	Coolant circulation pump relay
N75	Wastegate bypass regulator valve
N80	EVAP canister purge regulator valve 1
N156	Intake manifold tuning valve
N205	Camshaft adjustment valve 1
N213	Valve 2 for EGR
N276	Fuel pressure regulator valve
SB	Fuse panel B
SB23	Fuse 23 (on fuse panel B)
SB24	Fuse 24 (on fuse panel B)
T4x	4-pin connector
T10ag	10-pin connector
T14a	14-pin connector
T40	40-pin connector
V7	Radiator fan
A99	Connection 87 (in instrument panel wiring harness) 1
D181	Connection 2 (87a) (in engine compartment wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)
E78	Connection 87a (in engine wiring harness) 2
*	Depending on equipment
*2	Only for vehicles with a 1.6L engine

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Fuse panel B

J160	Recirculation pump relay
J623	Engine control module
N75	Wastegate bypass regulator valve
N80	EVAP canister purge regulator valve 1
N205	Camshaft adjustment valve 1
N249	Turbocharger recirculation valve
N274	Wastegate bypass regulator valve 2
SB	Fuse panel B
T14a	14-pin connector
T94	94-pin connector
A99	Connection 87 (in instrument panel wiring harness) 1
D181	Connection 2 (87a) (in engine compartment wiring harness)
D182	Connection 3 (87a) (in engine compartment wiring harness)
*	Depending on equipment
*2	Only for vehicles with a diesel engine

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sw	=	black
ro	=	red
rt	=	red
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li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Fuse panel B

G39	Heated oxygen sensor
J623	Engine control module
N421	Compressor magnetic clutch
SB	Fuse panel B
SB13	Fuse 13 (on fuse panel B)
SB21	Fuse 21 (on fuse panel B)
T4am	4-pin connector
T6w	6-pin connector
T14a	14-pin connector
T40	40-pin connector
T81	81-pin connector
T94	94-pin connector
T121	121-pin connector
D182	Connection 3 (87a) (in engine compartment wiring harness)
E30	Connection 87a (in engine wiring harness)
*	Only for vehicles with a diesel engine
*2	Depending on equipment
*3	Only for vehicles with a 1.6L engine

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rt	=	red
br	=	brown
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Fuse panel B

G39	Heated oxygen sensor
G130	Oxygen sensor after catalytic converter
J17	Fuel pump relay
J179	Automatic glow time control module
J832	Auxiliary fuel pump relay
N30	Cylinder 1 fuel injector
N31	Cylinder 2 fuel injector
N32	Cylinder 3 fuel injector
N33	Cylinder 4 fuel injector
SB	Fuse panel B
SB15	Fuse 15 (on fuse panel B)
T4ao	4-pin connector
T6ag	6-pin connector
T6w	6-pin connector
T14a	14-pin connector
T40	40-pin connector
B351	Positive connection 2 (87a) (in main wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)
E30	Connection 87a (in engine wiring harness)
*	Only for vehicles with a 1.6L engine
*2	Depending on equipment
*3	Only for vehicles with a diesel engine

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vi = lilac
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rs = pink

Recirculation pump relay, Secondary air injection pump relay, Auxiliary engine coolant pump relay, Engine component power supply relay, Fuse panel B

J160	Recirculation pump relay
J179	Automatic glow time control module
J285	Instrument cluster control module
J299	Secondary air injection pump relay
J496	Auxiliary engine coolant pump relay
J527	Steering column electronics control module
J623	Engine control module
J757	Engine component power supply relay
N276	Fuel pressure regulator valve
SB	Fuse panel B
SB6	Fuse 6 (on fuse panel B)
SB20	Fuse 20 (on fuse panel B)
SB27	Fuse 27 (on fuse panel B)
T14a	14-pin connector
T20d	20-pin connector
T32c	32-pin connector
T40	40-pin connector
T94	94-pin connector
T121	121-pin connector
V50	Coolant recirculation pump
V101	Secondary air injection pump motor
A23	Connection 30al (in instrument panel wiring harness)
*	Contact bridge, only vehicles with diesel engine
*2	Depending on equipment
*3	Only for vehicles without Start/Stop system
*4	Only for vehicles with Start/Stop system
*5	Only for vehicles with a diesel engine

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Fuse panel B

J104	ABS control module
J503	Radio/navigation display unit control module
J525	Digital sound system control module
J532	Voltage stabilizer
J608	Special purpose vehicle control module
R	Radio
R36	Telephone transceiver
SB	Fuse panel B
SB4	Fuse 4 (on fuse panel B)
SB8	Fuse 8 (on fuse panel B)
SB9	Fuse 9 (on fuse panel B)
SB10	Fuse 10 (on fuse panel B)
SB18	Fuse 18 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
T10aj	10-pin connector
T16b	16-pin connector
T26a	26-pin connector
T38	38-pin connector
T40	40-pin connector
T47	47-pin connector
T54	54-pin connector
T88	88-pin connector
B224	Radio connection 1 (in interior wiring harness)
B546	Positive connection 30a (in driving school wiring harness)
*	Only for vehicles without Start/Stop system
*2	Only for vehicles with Start/Stop system
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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High tone horn, Low tone horn, Dual tone horn relay, Fuse panel B

H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J364	Auxiliary heater control module
J400	Wiper motor control module
J533	Data bus on board diagnostic interface
J743	Dual-clutch transmission Mechatronic
S44	Driver power seat adjustment circuit breaker 1
SB	Fuse panel B
SB2	Fuse 2 (on fuse panel B)
SB5	Fuse 5 (on fuse panel B)
SB11	Fuse 11 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
SB17	Fuse 17 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
T2g	2-pin connector
T4p	4-pin connector
T20	20-pin connector
T20e	20-pin connector
T25	25-pin connector
T40	40-pin connector
A90	Dual tone horn connection (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
D92	Connection 30al (in engine compartment wiring harness)
*	Only for vehicles with dual-clutch transmission 02E
*2	Only for vehicles with dual-clutch transmission 0AM

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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vi	=	lilac
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Terminal 15 power supply relay, Vehicle electrical system control module, Fuse panel B

J329	Terminal 15 power supply relay
J367	Battery monitoring control module
J519	Vehicle electrical system control module
J680	Terminal 75 power supply relay 1
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T9i	9-pin connector
T9m	9-pin connector
T16	16-pin connector
T40	40-pin connector
T52a	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
D75	Positive connection 2 (30) (in engine compartment wiring harness)
*	Only for vehicles with Start/Stop system

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Vehicle electrical system control module, Fuse panel C, Ground connection 11 (in main wiring harness), Ground connection 13 (in main wiring harness)

E102	Headlamp range control adjuster
G42	Intake air temperature sensor
G70	Mass airflow sensor
J431	Headlamp range control module
J519	Vehicle electrical system control module
J682	Terminal 50 power supply relay
M32	Right high beam headlamp bulb
N79	Positive crankcase ventilation heating element
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
T3ar	3-pin connector
T5d	5-pin connector
T8e	8-pin connector
T9b	9-pin connector
T10i	10-pin connector
T10j	10-pin connector
T26c	26-pin connector
T52b	52-pin connector
V48	Left headlamp beam adjustment motor
V49	Right headlamp beam adjustment motor
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
A2	Positive connection (15) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Fuse panel C

J17	Fuel pump relay
J104	ABS control module
J234	Airbag control module
J285	Instrument cluster control module
J345	Towing recognition control module
J500	Power steering control module
J538	Fuel pump control module
J623	Engine control module
J743	Dual-clutch transmission Mechatronic
SC	Fuse panel C
SC3	Fuse 3 (on fuse panel C)
T3ao	3-pin connector
T6z	6-pin connector
T10v	10-pin connector
T12h	12-pin connector
T20e	20-pin connector
T25	25-pin connector
T26a	26-pin connector
T32c	32-pin connector
T47	47-pin connector
T50	50-pin connector
T75	75-pin connector
T94	94-pin connector
T121	121-pin connector
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	Only for vehicles with a 1.6L engine

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ro	=	red
rt	=	red
br	=	brown
gn	=	green
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or	=	orange
rs	=	pink

Fuse panel C

E1	Light switch
G397	Rain/light recognition sensor
J9	Rear window defogger relay
J234	Airbag control module
J255	Climatronic control module
J301	A/C control module
J386	Driver door control module
J387	Front passenger door control module
J587	Selector lever sensor system control module
K145	Front passenger airbag -disabled- indicator lamp
R149	Auxiliary coolant heater radio frequency receiver
SC	Fuse panel C
SC12	Fuse 12 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC15	Fuse 15 (on fuse panel C)
T3ae	3-pin connector
T4g	4-pin connector
T6j	6-pin connector
T9n	9-pin connector
T10h	10-pin connector
T10s	10-pin connector
T20a	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T50	50-pin connector
T75	75-pin connector
A1	Positive connection 30a (in instrument panel wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)

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rs	=	pink

Fuse panel C

G273	Interior monitoring sensor
H12	Alarm horn
J9	Rear window defogger relay
J386	Driver door control module
J387	Front passenger door control module
J485	Parking heater operation relay
J926	Driver side rear door control module
J927	Passenger side rear door control module
R189	Rearview camera
SC	Fuse panel C
SC16	Fuse 16 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC22	Fuse 22 (on fuse panel C)
SC23	Fuse 23 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T3f	3-pin connector
T4j	4-pin connector
T6t	6-pin connector
T9n	9-pin connector
T10k	10-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
V2	Fresh air blower
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
B315	Positive connection 1 (30a) (in main wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)
*	Only for vehicles with Climatronic

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Fuse panel C

J17	Fuel pump relay
J49	Fuel pump relay 2
J532	Voltage stabilizer
J538	Fuel pump control module
J832	Auxiliary fuel pump relay
J926	Driver side rear door control module
J927	Passenger side rear door control module
SC	Fuse panel C
SC26	Fuse 26 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
SC28	Fuse 28 (on fuse panel C)
SC29	Fuse 29 (on fuse panel C)
SC31	Fuse 31 (on fuse panel C)
SC32	Fuse 32 (on fuse panel C)
T3ba	3-pin connector
T6ab	6-pin connector
T10aj	10-pin connector
T10v	10-pin connector
T18b	18-pin connector
T18c	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
U11	Interior socket, 230 V, 110 V
V192	Brake system vacuum pump
A62	Power window connection (in instrument panel wiring harness)
B156	Positive connection 30a (in interior wiring harness)
B320	Positive connection 6 (30a) (in main wiring harness)
*	Depending on equipment
*2	Only for vehicles with a 1.6L engine
*3	Only for vehicles with Start/Stop system

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Fuse panel C

E176	Driver seat lumbar support adjustment switch
E177	Front passenger seat lumbar support adjustment switch
J13	Fresh air blower relay
J39	Headlamp washer relay
J245	Power sunroof control module
J301	A/C control module
J774	Front seat heating control module
SC	Fuse panel C
SC33	Fuse 33 (on fuse panel C)
SC34	Fuse 34 (on fuse panel C)
SC36	Fuse 36 (on fuse panel C)
SC37	Fuse 37 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
SC41	Fuse 41 (on fuse panel C)
SC42	Fuse 42 (on fuse panel C)
T3g	3-pin connector
T3j	3-pin connector
T4bv	4-pin connector
T5	5-pin connector
T6ah	6-pin connector
T6ai	6-pin connector
T6c	6-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T10k	10-pin connector
T17	17-pin connector
U1	Cigarette lighter
U5	12 V socket
V12	Rear window wiper motor
B111	Positive connection 1 (30a) (in interior wiring harness)
B349	Connection 2 (75a) (in main wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for vehicles with Climatic

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Fuse panel C

J29	Blocking diode
J345	Towing recognition control module
R36	Telephone transceiver
SC	Fuse panel C
SC43	Fuse 43 (on fuse panel C)
SC44	Fuse 44 (on fuse panel C)
SC45	Fuse 45 (on fuse panel C)
SC47	Fuse 47 (on fuse panel C)
SC48	Fuse 48 (on fuse panel C)
T12h	12-pin connector
T54	54-pin connector
B349	Connection 2 (75a) (in main wiring harness)
*	Only for vehicles with Start/Stop system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
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Fuse positions

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Battery, Starter, Terminal 50 power supply relay, Fuse 1 (on fuse panel A), Fuse 2 (on fuse panel A), Fuse 3 (on fuse panel A)

A	Battery
B	Starter
C	Generator
J500	Power steering control module
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA2	Fuse 2 (on fuse panel A)
SA3	Fuse 3 (on fuse panel A)
T2l	Double connector
T4x	4-pin connector
T9b	9-pin connector
V7	Radiator fan
V187	Electromechanical power steering motor
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
*	Right storage compartment

*1 CJAA
*5 CBTA, CBUA

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Fuse 4 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse 6 (on fuse panel A), Fuse 7 (on fuse panel A)

J359	Low heat output relay
J360	High heat output relay
SA4	Fuse 4 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SA6	Fuse 6 (on fuse panel A)
SA7	Fuse 7 (on fuse panel A)
T6bg	6-pin connector
T9j	9-pin connector
B169	Positive connection 1 (30) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

15 16 17 18 19 20 21 22 23 24 25 26 27 28

A.I5-085030715

Motronic engine control module power supply relay, Terminal 30 power supply relay, Fuse panel B

G476	Clutch position sensor
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
J623	Engine control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
SB	Fuse panel B
SB14	Fuse 14 (on fuse panel B)
SB22	Fuse 22 (on fuse panel B)
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T5m	5-pin connector
T14a	14-pin connector
T40	40-pin connector
T94	94-pin connector
D20	Connection 87a (in right front wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuse panel B

J623	Engine control module
N276	Fuel pressure regulator valve
N290	Fuel metering valve
SB	Fuse panel B
SB13	Fuse 13 (on fuse panel B)
SB14	Fuse 14 (on fuse panel B)
T14a	14-pin connector
T40	40-pin connector
T94	94-pin connector
D182	Connection 3 (87a) (in engine compartment wiring harness)
D189	Connection 87a (in engine pre-wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel pump relay, Automatic glow time control module, Auxiliary fuel pump relay, Fuse panel B

G130	Oxygen sensor after catalytic converter
G465	Center oxygen sensor for bank 1 catalytic converter
J17	Fuel pump relay
J179	Automatic glow time control module
J338	Throttle valve control module
J832	Auxiliary fuel pump relay
N80	EVAP canister purge regulator valve 1
N205	Camshaft adjustment valve 1
SB	Fuse panel B
T4ao	4-pin connector
T4v	4-pin connector
T4x	4-pin connector
T14a	14-pin connector
T40	40-pin connector
V7	Radiator fan
A99	Connection 87 (in instrument panel wiring harness) 1
D181	Connection 2 (87a) (in engine compartment wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)
E30	Connection 87a (in engine wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuse panel B

G39	Heated oxygen sensor
G130	Oxygen sensor after catalytic converter
SB	Fuse panel B
T6ag	6-pin connector
T6w	6-pin connector
T40	40-pin connector
E30	Connection 87a (in engine wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuse panel B

J623	Engine control module
N75	Wastegate bypass regulator valve
N112	Secondary air injection solenoid valve
SB	Fuse panel B
SB23	Fuse 23 (on fuse panel B)
T3d	3-pin connector
T14a	14-pin connector
T40	40-pin connector
T94	94-pin connector
V144	Leak detection pump
E7	Connection 87a (in Motronic multiform fuel injection wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Fuse panel B

J104	ABS control module
J179	Automatic glow time control module
J299	Secondary air injection pump relay
J519	Vehicle electrical control module system
SB	Fuse panel B
SB20	Fuse 20 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
SB27	Fuse 27 (on fuse panel B)
T26a	26-pin connector
T40	40-pin connector
T47	47-pin connector
T52a	52-pin connector
V101	Secondary air injection pump motor
E7	Connection 87a (in Motronic multiform fuel injection wiring harness)

*3 CBUA
*4 CBEA
*5 CBTA, CBUA

99 100 101 102 103 104 105 106 107 108 109 110 111 112

A.I5-0850907 15

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Fuse panel B

J104	ABS control module
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
R12	Amplifier
SB	Fuse panel B
SB1	Fuse 1 (on fuse panel B)
SB2	Fuse 2 (on fuse panel B)
SB4	Fuse 4 (on fuse panel B)
SB6	Fuse 6 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB18	Fuse 18 (on fuse panel B)
SB28	Fuse 28 (on fuse panel B)
T20d	20-pin connector
T32c	32-pin connector
T38	38-pin connector
T40	40-pin connector
T47	47-pin connector
T52c	52-pin connector
A23	Connection 30al (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Dual tone horn relay, Vehicle electrical control module system, Fuse panel B

J4	Dual tone horn relay
J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J519	Vehicle electrical control module system
R	Radio
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB8	Fuse 8 (on fuse panel B)
SB9	Fuse 9 (on fuse panel B)
SB17	Fuse 17 (on fuse panel B)
T16b	16-pin connector
T40	40-pin connector
T52c	52-pin connector
T54	54-pin connector
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Fuse panel B

J400	Wiper motor control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
SB	Fuse panel B
SB10	Fuse 10 (on fuse panel B)
SB11	Fuse 11 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
T4p	4-pin connector
T20	20-pin connector
T40	40-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Terminal 75 power supply relay 1, Fuse panel B

E425	Backrest adjustment button
J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
J743	DSG transmission Mechatronic
S44	Driver power seat adjustment circuit breaker 1
SB	Fuse panel B
SB5	Fuse 5 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T8ac	8-pin connector
T9m	9-pin connector
T10a	10-pin connector
T20e	20-pin connector
T40	40-pin connector
T52b	52-pin connector
A98	Positive connection 4 (30) (in instrument panel wiring harness)
D92	Connection 30al (in engine compartment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Terminal 15 power supply relay 2, Fuse panel B

J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
SB	Fuse panel B
SB7	Fuse 7 (on fuse panel B)
T9i	9-pin connector
T40	40-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

E1	Light switch
F	Brake lamp switch
F189	tiptronic switch
G70	Mass airflow sensor
J17	Fuel pump relay
J519	Vehicle electrical control module system
J538	Fuel pump control module
J587	Selector lever sensor system control module
J682	Terminal 50 power supply relay
N79	Positive crankcase ventilation heating element
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
T4y	4-pin connector
T5d	5-pin connector
T6f	6-pin connector
T9b	9-pin connector
T10h	10-pin connector
T10s	10-pin connector
T10v	10-pin connector
A2	Positive connection (15) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J104	ABS control module
J285	Instrument cluster control module
J500	Power steering control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
J623	Engine control module
J743	DSG transmission Mechatronic
T3ao	3-pin connector
T6z	6-pin connector
T20	20-pin connector
T20e	20-pin connector
T26a	26-pin connector
T32c	32-pin connector
T47	47-pin connector
T94	94-pin connector
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

E256	ASR/ESP button
F4	Back-up lamp switch
G65	High pressure sensor
J519	Vehicle electrical control module system
J530	Garage door opener control module
J706	Passenger occupant detection system control module
SC4	Fuse 4 (on fuse panel C)
T3c	3-pin connector
T6ad	6-pin connector
T8d	8-pin connector
T10r	10-pin connector
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J234	Airbag control module
J519	Vehicle electrical control module system
K145	Front passenger airbag -disabled- indicator lamp
SC3	Fuse 3 (on fuse panel C)
SC5	Fuse 5 (on fuse panel C)
SC6	Fuse 6 (on fuse panel C)
SC7	Fuse 7 (on fuse panel C)
SC8	Fuse 8 (on fuse panel C)
SC9	Fuse 9 (on fuse panel C)
SC10	Fuse 10 (on fuse panel C)
SC11	Fuse 11 (on fuse panel C)
T4g	4-pin connector
T75	75-pin connector
A200	Positive connection 5 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

E1	Light switch
F189	tiptronic switch
J9	Rear window defogger relay
J217	Transmission control module
J301	A/C control module
J386	Driver door control module
J387	Front passenger door control module
J519	Vehicle electrical control module system
J587	Selector lever sensor system control module
J603	Vehicle location recognition control module
SC12	Fuse 12 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
T8h	8-pin connector
T9n	9-pin connector
T10h	10-pin connector
T10s	10-pin connector
T16	16-pin connector
T20a	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T28a	28-pin connector
T28b	28-pin connector
T52	52-pin connector
U31	Diagnostic connection
A1	Positive connection (30a) (in instrument panel wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J4	Dual tone horn relay
J519	Vehicle electrical control module system
SC15	Fuse 15 (on fuse panel C)
SC16	Fuse 16 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC18	Fuse 18 (on fuse panel C)
SC19	Fuse 19 (on fuse panel C)
SC20	Fuse 20 (on fuse panel C)
SC21	Fuse 21 (on fuse panel C)
T52b	52-pin connector
T52c	52-pin connector
A198	Positive connection 6 (30a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J9	Rear window defogger relay
J386	Driver door control module
J387	Front passenger door control module
J388	Left rear door control module
J389	Right rear door control module
J519	Vehicle electrical control module system
SC22	Fuse 22 (on fuse panel C)
SC23	Fuse 23 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T52b	52-pin connector
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J17	Fuel pump relay
J388	Left rear door control module
J389	Right rear door control module
J519	Vehicle electrical control module system
J643	Fuel primer relay
J832	Auxiliary fuel pump relay
SC26	Fuse 26 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
SC28	Fuse 28 (on fuse panel C)
T18b	18-pin connector
T18c	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
A62	Power window connection (in instrument panel wiring harness)
B156	Positive connection (30a) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

F125	Multifunction transmission range switch
J217	Transmission control module
J245	Power sunroof control module
J519	Vehicle electrical control module system
SC29	Fuse 29 (on fuse panel C)
SC30	Fuse 30 (on fuse panel C)
SC31	Fuse 31 (on fuse panel C)
SC32	Fuse 32 (on fuse panel C)
SC33	Fuse 33 (on fuse panel C)
T3ba	3-pin connector
T6c	6-pin connector
T10n	10-pin connector
T52	52-pin connector
U11	Interior socket, 230 V, 110 V
U8	Positive connection (15a) (in automatic transmission wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J519	Vehicle electrical control module system
J774	Front seat heating control module
SC34	Fuse 34 (on fuse panel C)
SC35	Fuse 35 (on fuse panel C)
SC36	Fuse 36 (on fuse panel C)
SC37	Fuse 37 (on fuse panel C)
SC38	Fuse 38 (on fuse panel C)
T8v	8-pin connector
T10a	10-pin connector
O4	Positive connection (30as) (in heated seats wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system

J29	Blocking diode
J301	A/C control module
J519	Vehicle electrical control module system
SC39	Fuse 39 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
SC41	Fuse 41 (on fuse panel C)
SC42	Fuse 42 (on fuse panel C)
SC43	Fuse 43 (on fuse panel C)
SC44	Fuse 44 (on fuse panel C)
SC45	Fuse 45 (on fuse panel C)
T3g	3-pin connector
T3j	3-pin connector
T4bv	4-pin connector
T5	5-pin connector
T10k	10-pin connector
T17	17-pin connector
U1	Cigarette lighter
U5	12 V socket
V12	Rear window wiper motor
B349	Connection 75a (in main wiring harness) 2

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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SC46 Fuse 46 (on fuse panel C)
SC47 Fuse 47 (on fuse panel C)
SC48 Fuse 48 (on fuse panel C)
SC49 Fuse 49 (on fuse panel C)

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

337 338 339 340 341 342 343 344 345 346 347 348 349 350

A-I5-085260715

Ground concept

from July 2009

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Ground connection (in airbag wiring harness), Ground connection (in automatic transmission wiring harness)

E24	Driver seat belt switch
E25	Front passenger seat belt switch
F125	Multifunction transmission range switch
J217	Transmission control module
J234	Airbag control module
J706	Passenger occupant detection system control module
J743	DSG transmission Mechatronic
N131	Front passenger airbag igniter 1
N132	Front passenger airbag igniter 2
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
N202	Passenger side rear thorax airbag igniter
T2aa	Double connector
T2ab	Double connector
T2j	Double connector
T2k	Double connector
T3k	3-pin connector
T3l	3-pin connector
T3s	3-pin connector
T3t	3-pin connector
T5i	5-pin connector
T10n	10-pin connector
T10r	10-pin connector
T18e	18-pin connector
T20e	20-pin connector
T52	52-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
114	Ground connection (in automatic transmission wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Ground connection 2 (in engine compartment wiring harness), Ground connection (in rear door contact switch wiring harness), Ground connection 1 (in main wiring harness), Ground connection 3 (in main wiring harness)

F256	Rear lid lock unit
J386	Driver door control module
J388	Left rear door control module
J389	Right rear door control module
J519	Vehicle electrical control module system
J623	Engine control module
T4f	4-pin connector
T17	17-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20a	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T52a	52-pin connector
T94	94-pin connector
W3	Luggage compartment lamp
131	Ground connection 2 (in engine compartment wiring harness)
195	Ground connection (in rear door contact switch wiring harness)
366	Ground connection 1 (in main wiring harness)
368	Ground connection 3 (in main wiring harness)
607	Ground connection in plenum chamber, left

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Vehicle electrical control module system, Ground connection 2 (in main wiring harness), Ground connection 4 (in main wiring harness)

G476	Clutch position sensor
J245	Power sunroof control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J680	Terminal 75 power supply relay 1
M4	Left tail lamp bulb
T4bo	4-pin connector
T5m	5-pin connector
T5o	5-pin connector
T6c	6-pin connector
T9i	9-pin connector
T9m	9-pin connector
T17	17-pin connector
T20d	20-pin connector
T52b	52-pin connector
T52c	52-pin connector
V2	Fresh air blower
W31	Left front entry lamp
367	Ground connection 2 (in main wiring harness)
369	Ground connection 4 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
662	Ground connection in left rear side panel

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground connection 5 (in main wiring harness), Ground connection 6 (in main wiring harness), Ground connection 7 (in main wiring harness), Ground connection 15 (in main wiring harness)

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E229	Emergency flasher button
E256	ASR/ESP button
F9	Parking brake indicator lamp switch
F189	tiptronic switch
J29	Blocking diode
J301	A/C control module
J503	Radio/navigation display unit control module
J650	Multimedia system control module
R	Radio
R176	Auxiliary video/audio connection module
T2w	Double connector
T3g	3-pin connector
T6ad	6-pin connector
T6bq	6-pin connector
T8e	8-pin connector
T10h	10-pin connector
T10s	10-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20c	20-pin connector
U1	Cigarette lighter
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
372	Ground connection 7 (in main wiring harness)
380	Ground connection 15 (in main wiring harness)

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Vehicle electrical control module system, Ground connection 10 (in main wiring harness), Ground connection 11 (in main wiring harness)

J519	Vehicle electrical control module system
L22	Left front fog lamp bulb
M29	Left low beam headlamp bulb
T2i	Double connector
T3ba	3-pin connector
T10i	10-pin connector
T10k	10-pin connector
T52a	52-pin connector
U11	Interior socket, 230 V, 110 V
V2	Fresh air blower
V101	Secondary air injection pump motor
Z35	Auxiliary heater heating element
44	Ground connection on A-pillar, lower left
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
376	Ground connection 11 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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vi	=	lilac
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Ground connection 11 (in main wiring harness), Ground connection 12 (in main wiring harness), Ground connection 13 (in main wiring harness), Ground connection 16 (in main wiring harness)

F34	Brake fluid level warning switch
F266	Engine hood contact switch
H2	High tone horn
H12	Alarm horn
J179	Automatic glow time control module
J400	Wiper motor control module
J603	Vehicle location recognition control module
L23	Right front fog lamp bulb
M31	Right low beam headlamp bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
N280	A/C compressor regulator valve
T2a	Double connector
T2ae	Double connector
T2m	Double connector
T2v	Double connector
T4p	4-pin connector
T4t	4-pin connector
T8h	8-pin connector
T10j	10-pin connector
T11b	11-pin connector
V11	Headlamp washer pump
V393	Auxiliary fuel pump
376	Ground connection 11 (in main wiring harness)
377	Ground connection 12 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
656	Ground connection on right headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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Vehicle electrical control module system, Ground connection 8 (in main wiring harness), Ground connection 13 (in main wiring harness), Ground connection 14 (in main wiring harness), Ground connection 18 (in main wiring harness)

E508	Cellular telephone preparation control head
G	Fuel level sensor
G6	Transfer fuel pump
H7	Low tone horn
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
M2	Right tail lamp bulb
R36	Telephone transceiver
T2t	Double connector
T2u	Double connector
T3j	3-pin connector
T5b	5-pin connector
T5n	5-pin connector
T6av	6-pin connector
T10t	10-pin connector
T16	16-pin connector
T20	20-pin connector
T52a	52-pin connector
T54	54-pin connector
U5	12 V socket
U31	Diagnostic connection
W6	Glove compartment lamp
W32	Right front entry lamp
Z1	Rear window defogger
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
51	Ground connection in luggage compartment, right
373	Ground connection 8 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
379	Ground connection 14 (in main wiring harness)
383	Ground connection 18 (in main wiring harness)

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Ground connection 17 (in main wiring harness), Sensor ground connection 1 (in main wiring harness), Ground connection 15 (in interior wiring harness)

F	Brake lamp switch
F47	Brake pedal switch
G	Fuel level sensor
G6	Transfer fuel pump
G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
G34	Left front brake pad wear sensor
G65	High pressure sensor
J285	Instrument cluster control module
J682	Terminal 50 power supply relay
T2y	Double connector
T2z	Double connector
T3c	3-pin connector
T4y	4-pin connector
T5b	5-pin connector
T6b	6-pin connector
T8d	8-pin connector
T9b	9-pin connector
T32c	32-pin connector
W1	Front interior lamp
382	Ground connection 17 (in main wiring harness)
410	Sensor ground connection 1 (in main wiring harness)
459	Ground connection 15 (in interior wiring harness)

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rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground connection 1 (in heated seats wiring harness), Ground connection (in roof wiring harness), Connection 8 (in engine compartment wiring harness), Connection 10 (in engine compartment wiring harness)

E176	Driver seat lumbar support adjustment switch
F147	Driver vanity mirror lamp contact switch
F148	Front passenger vanity mirror lamp contact switch
G83	Engine coolant temperature sensor on radiator outlet
G235	Exhaust gas temperature sensor 1
G336	Intake manifold runner position sensor
G448	Exhaust gas temperature sensor 2
G450	Exhaust pressure sensor 1
G451	Exhaust pressure sensor 2
G495	Exhaust gas temperature sensor 3
G648	Exhaust gas temperature sensor 4
J623	Engine control module
T2d	Double connector
T5p	5-pin connector
T5y	5-pin connector
T6ah	6-pin connector
T10a	10-pin connector
T10ag	10-pin connector
T14a	14-pin connector
T94	94-pin connector
W43	Rear interior lamp
Z7	Driver backrest heating element
96	Ground connection 1 (in heated seats wiring harness)
347	Ground connection (in roof wiring harness)
D110	Connection 8 (in engine compartment wiring harness)
D112	Connection 10 (in engine compartment wiring harness)
*	Only for vehicles with an auxiliary heater

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Ground connection 3 (in heated seats wiring harness), Ground connection 1 (in rear lid wiring harness), Ground connection 2 (in driver door wiring harness)

E40	Left front window regulator switch
E43	Mirror adjusting switch
E177	Front passenger seat lumbar support adjustment switch
E233	Rear lid remote release button
E234	Release button in rear lid handle
E308	Driver interior locking button
J386	Driver door control module
K174	Driver interior locking indicator lamp
M25	High-mounted brake lamp bulb
T2e	Double connector
T2f	Double connector
T4n	4-pin connector
T4w	4-pin connector
T6a	6-pin connector
T6ai	6-pin connector
T10b	10-pin connector
T10c	10-pin connector
T32a	32-pin connector
X	License plate lamp
Z9	Front passenger backrest heating element
145	Ground connection 3 (in heated seats wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
267	Ground connection 2 (in driver door wiring harness)
*	Only for vehicles with an auxiliary heater

ws	=	white
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ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
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ws = white
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ro = red
rt = red
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gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
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rs = pink

Ground connection 1 (in engine compartment wiring harness), Ground connection 2 (in front passenger door wiring harness)

E107	Front passenger door window regulator switch
E309	Front passenger interior locking button
F1	Oil pressure switch
J387	Front passenger door control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T4c	4-pin connector
T4x	4-pin connector
T4z	4-pin connector
T14a	14-pin connector
T20b	20-pin connector
T32b	32-pin connector
V7	Radiator fan
85	Ground connection 1 (in engine compartment wiring harness)
268	Ground connection 2 (in front passenger door wiring harness)
642	Electronic fan control ground connection

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ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground connection (in diesel engine pre-wiring harness), Ground connection 1 (in engine pre-wiring harness), Connection (in A/C system wiring harness)

G192	Footwell vent temperature sensor
G220	Left temperature control door motor
G263	Evaporator vent temperature sensor
J301	A/C control module
J623	Engine control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T2ac	Double connector
T2ad	Double connector
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T6p	6-pin connector
T16e	16-pin connector
T60	60-pin connector
V158	Left temperature control door motor
15	Ground connection on cylinder head
250	Ground connection (in diesel engine pre-wiring harness)
281	Ground connection 1 (in engine pre-wiring harness)
L2	Connection (in A/C system wiring harness)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground strap, battery to body, Ground connection in engine compartment, left, Ground connection (in headlamp washer system wiring harness), Ground connection on right A-pillar, Ground connection 2 in engine compartment, left, Transmission/engine ground connection, Connection 3 (in engine compartment wiring harness)

A	Battery
G61	Knock sensor 1
G62	Engine coolant temperature sensor
G66	Knock sensor 2
G71	Manifold absolute pressure sensor
G98	EGR temperature sensor
G609	Secondary air injection sensor 1
J104	ABS control module
J500	Power steering control module
J623	Engine control module
T2l	Double connector
T47	47-pin connector
T60	60-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
282	Ground connection (in headlamp washer system wiring harness)
638	Ground connection on right A-pillar
640	Ground connection 2 in engine compartment, left
652	Transmission/engine ground connection
D103	Connection 3 (in engine compartment wiring harness)

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Standard equipment (NAR)

from July 2010

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Motronic engine control module power supply relay, Terminal 30 power supply relay, Fuse panel B

G476	Clutch position sensor
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
J623	Engine control module
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB6	Fuse 6 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB22	Fuse 22 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T5m	5-pin connector
T40	40-pin connector
A193	Connection 87a (in instrument panel wiring harness)
*	Refer to applicable engine wiring diagram
*2	from July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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Terminal 15 power supply relay, Vehicle electrical control module system, Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse panel B

A	Battery
C	Generator
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB7	Fuse 7 (on fuse panel B)
SB17	Fuse 17 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
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Vehicle electrical control module system, Fuse panel C

J234	Airbag control module
J519	Vehicle electrical control module system
K145	Front passenger airbag -disabled- indicator lamp
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
SC3	Fuse 3 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC15	Fuse 15 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
SC41	Fuse 41 (on fuse panel C)
T52b	52-pin connector
T75	75-pin connector
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Through December 2010
*2	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Terminal 75 power supply relay 1, Left front side marker lamp bulb, Fuse panel C, Interior socket, 230 V, 110 V

C	Generator
J245	Power sunroof control module
J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
M33	Left front side marker lamp bulb
SC	Fuse panel C
SC32	Fuse 32 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
SC42	Fuse 42 (on fuse panel C)
T3ba	3-pin connector
T4t	4-pin connector
T6c	6-pin connector
T7a	7-pin connector
T52b	52-pin connector
T52c	52-pin connector
U11	Interior socket, 230 V, 110 V
44	Ground connection on A-pillar, lower left
A17	Connection 61 (in instrument panel wiring harness)
A84	Connection 58L (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
*	from December 2010
*2	Through June 2012
*3	from July 2012
*4	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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gn	=	green
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gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Left front fog lamp bulb, Right front fog lamp bulb, Left daytime running lamp bulb, Left position lamp bulb, Right position lamp bulb, Left front turn signal bulb, Right front turn signal bulb, Left low beam headlamp bulb, Left high beam headlamp bulb, Right low beam headlamp bulb, Right front side marker lamp bulb

J519	Vehicle electrical control module system
L22	Left front fog lamp bulb
L23	Right front fog lamp bulb
L174	Left daytime running lamp bulb
M1	Left position lamp bulb
M3	Right position lamp bulb
M5	Left front turn signal bulb
M7	Right front turn signal bulb
M29	Left low beam headlamp bulb
M30	Left high beam headlamp bulb
M31	Right low beam headlamp bulb
M32	Right high beam headlamp bulb
M34	Right front side marker lamp bulb
T10i	10-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
A84	Connection 58L (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
*	from December 2010
*2	Through June 2012
*3	Through December 2010
*4	from July 2012

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Light switch, Vehicle electrical control module system

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
L9	Headlamp switch illumination bulb
L175	Right daytime running lamp bulb
T8e	8-pin connector
T10h	10-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
372	Ground connection 7 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
*	Through December 2010
*2	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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Light switch, Fog lamp switch, Vehicle electrical control module system, Left tail lamp bulb, Left brake lamp bulb, Left back-up lamp bulb, Luggage compartment lamp

E1	Light switch
E7	Fog lamp switch
J519	Vehicle electrical control module system
L9	Headlamp switch illumination bulb
M4	Left tail lamp bulb
M6	Left rear turn signal bulb
M9	Left brake lamp bulb
M16	Left back-up lamp bulb
T5o	5-pin connector
T10h	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
W3	Luggage compartment lamp
86	Ground connection 1 (in rear wiring harness)
369	Ground connection 4 (in main wiring harness)
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
662	Ground connection in left rear side panel
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Through June 2012
*2	from July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Right tail lamp bulb, Right brake lamp bulb, High-mounted brake lamp bulb, License plate lamp

J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M8	Right rear turn signal bulb
M10	Right brake lamp bulb
M17	Right back-up lamp bulb
M25	High-mounted brake lamp bulb
T5n	5-pin connector
T17	17-pin connector
T52a	52-pin connector
T52c	52-pin connector
X	License plate lamp
51	Ground connection in luggage compartment, right
86	Ground connection 1 (in rear wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
B538	Connection 29 (in main wiring harness)
W41	Positive connection (58) (in license plate lamp wiring harness)
*	from July 2011
*2	Through June 2012
*3	Through June 2011
*4	from July 2012
*5	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock/alarm/central locking switch, Rear lid lock unit, Vehicle electrical control module system, Rear window wiper motor, Rear lid opening motor

E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F124	Rear lid lock/alarm/central locking switch
F256	Rear lid lock unit
J519	Vehicle electrical control module system
T4bv	4-pin connector
T4f	4-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
V12	Rear window wiper motor
V59	Windshield and rear window washer pump
V254	Rear lid opening motor
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
B183	Windshield washer pump connection 1 (in interior wiring harness)
B184	Windshield washer pump connection 2 (in interior wiring harness)
*	Through June 2012
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Back-up lamp switch, Driver door control module, Front passenger door control module, Vehicle electrical control module system, Steering column electronics control module, Driver exterior rearview mirror turn signal bulb, Front passenger exterior rearview mirror turn signal bulb, Fuel filler door unlock motor

E22	Windshield wiper intermittent mode switch
F4	Back-up lamp switch
J386	Driver door control module
J387	Front passenger door control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
L131	Driver exterior rearview mirror turn signal bulb
L132	Front passenger exterior rearview mirror turn signal bulb
T2n	Double connector
T16a	16-pin connector
T16d	16-pin connector
T16p	16-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector, near the lower right A-pillar
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V155	Fuel filler door unlock motor
89	Ground connection 1 (in power window wiring harness)
107	Ground connection (in exterior mirror wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
*	Through June 2012
*2	from July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Windshield wiper intermittent regulator, Cruise control switch, Cruise control -SET- button, Steering angle sensor, Vehicle electrical control module system, Steering column electronics control module

E	Windshield wiper switch
E22	Windshield wiper intermittent mode switch
E38	Windshield wiper intermittent regulator
E45	Cruise control switch
E227	Cruise control -SET- button
G85	Steering angle sensor
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T16p	16-pin connector
*	Only for vehicles with cruise control

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Ignition/starter switch, Turn signal switch, Headlamp dimmer/flasher switch, Airbag spiral spring/return spring with slip ring, Vehicle electrical control module system, Steering column electronics control module

D	Ignition/starter switch
E2	Turn signal switch
E4	Headlamp dimmer/flasher switch
F138	Airbag spiral spring/return spring with slip ring
F189	tiptronic switch
H	Signal horn activation
J234	Airbag control module
J453	Multifunction steering wheel control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T4k	4-pin connector
T10s	10-pin connector
T12k	12-pin connector
T16p	16-pin connector
T75	75-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Left washer nozzle heater, Right washer nozzle heater

J519	Vehicle electrical control module system
T2t	Double connector
T2u	Double connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
367	Ground connection 2 (in main wiring harness)
373	Ground connection 8 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A90	Dual tone horn connection (in instrument panel wiring harness)
*	Through December 2010
*2	from December 2010
*3	from July 2011
*4	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Engine hood contact switch, Rear window defogger relay, Wiper motor control module, Vehicle electrical control module system, Driver windshield wiper motor, Glove compartment lamp, Rear window defogger

E26	Glove compartment lamp switch
F266	Engine hood contact switch
J9	Rear window defogger relay
J400	Wiper motor control module
J519	Vehicle electrical control module system
T2a	Double connector, near the headlamps
T4p	4-pin connector
T9n	9-pin connector
T10t	10-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
V216	Driver windshield wiper motor
W6	Glove compartment lamp
Z1	Rear window defogger
373	Ground connection 8 (in main wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

High tone horn, Low tone horn, Vehicle electrical control module system, Front interior lamp, Right center reading lamp

H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J519	Vehicle electrical control module system
T6b	6-pin connector
T8d	8-pin connector
T52b	52-pin connector
T52c	52-pin connector
W1	Front interior lamp
W39	Left center reading lamp
W40	Right center reading lamp
347	Ground connection (in roof wiring harness)
459	Ground connection 15 (in interior wiring harness)
A90	Dual tone horn connection (in instrument panel wiring harness)
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
B219	Positive connection 4 (30a) (in interior wiring harness)
B250	Positive connection (in roof wiring harness)
*	from July 2011
*2	Through June 2012
*3	Through June 2011
*4	Flat conductor
*5	Through December 2010
*6	from December 2010

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Blocking diode, Vehicle electrical control module system, Cigarette lighter, Left rear reading lamp, Right rear reading lamp, Front passenger vanity mirror lamp, Driver vanity mirror lamp, Rear interior lamp

F147	Driver vanity mirror lamp contact switch
F148	Front passenger vanity mirror lamp contact switch
J29	Blocking diode
J519	Vehicle electrical control module system
L28	Cigarette lighter illumination bulb
T3g	3-pin connector
T5y	5-pin connector
U1	Cigarette lighter
W11	Left rear reading lamp
W12	Right rear reading lamp
W14	Front passenger vanity mirror lamp
W20	Driver vanity mirror lamp
W43	Rear interior lamp
43	Ground connection on A-pillar, lower right
347	Ground connection (in roof wiring harness)
374	Ground connection 9 (in main wiring harness)
B250	Positive connection (in roof wiring harness)
B349	Connection 75a (in main wiring harness) 2
*	from July 2011
*2	Flat conductor
*3	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Emergency flasher button, Brake lamp switch, Vehicle electrical control module system, Emergency flasher indicator lamp, 12 V socket, Left front entry lamp, Right front entry lamp

E229	Emergency flasher button
F	Brake lamp switch
J104	ABS control module
J519	Vehicle electrical control module system
K6	Emergency flasher indicator lamp
T3j	3-pin connector
T4y	4-pin connector
T6bq	6-pin connector
T47	47-pin connector
T52b	52-pin connector
T52c	52-pin connector
U5	12 V socket
W31	Left front entry lamp
W32	Right front entry lamp
383	Ground connection 18 (in main wiring harness)
B131	Connection 54 (in interior wiring harness)
B349	Connection 75a (in main wiring harness) 2
R56	Entry lamp connection (in driver door wiring harness)
*	from December 2010
*2	Through December 2010
*3	from July 2012
*4	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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High pressure sensor, A/C control module, Fresh air blower

G65	High pressure sensor
J301	A/C control module
N24	Fresh air blower series resistor with fuse
T2i	Double connector
T3c	3-pin connector
T4r	4-pin connector
T5	5-pin connector
T10k	10-pin connector, on the heating and A/C unit
T20c	20-pin connector
V2	Fresh air blower
L6	Connection 2 (in A/C unit wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-theft immobilizer reader coil, Parking brake indicator lamp switch, Brake fluid level warning switch, Anti-theft immobilizer control module, Instrument cluster

D2	Anti-theft immobilizer reader coil
F9	Parking brake indicator lamp switch
F34	Brake fluid level warning switch
G	Fuel level sensor
G1	Fuel gauge
G6	Transfer fuel pump
J285	Instrument cluster control module
J362	Anti-theft immobilizer control module
K	Instrument cluster
K2	Generator indicator lamp
K75	Airbag indicator lamp
K105	Low fuel level indicator lamp
K132	Electronic power control malfunction indicator lamp
K149	Engine electronics indicator lamp
K155	ASR/ESP indicator lamp
K161	Electromechanical power steering indicator lamp
K169	Shift lock indicator lamp
T2v	Double connector
T2w	Double connector
T2x	Double connector
T5b	5-pin connector
T32c	32-pin connector
381	Ground connection 16 (in main wiring harness)
A23	Connection 30al (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B350	Positive connection 1 (87a) (in main wiring harness)
*	Through December 2010
*2	from December 2010
*3	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil pressure switch, Instrument cluster

F1	Oil pressure switch
G34	Left front brake pad wear sensor
J17	Fuel pump relay
J285	Instrument cluster control module
J832	Auxiliary fuel pump relay
K	Instrument cluster
K19	Seat belt indicator lamp
K29	Glow plug indicator lamp
K31	Cruise control indicator lamp
K32	Brake pad wear indicator lamp
K37	Windshield washer fluid level indicator lamp
K38	Oil level indicator lamp
K47	ABS indicator lamp
K65	Indicator lamp for left turn signal
K94	Right turn signal indicator lamp
K115	Anti-theft immobilizer system indicator lamp
K171	Hood -open- indicator lamp
K220	Tire pressure monitoring display indicator lamp
N70	Ignition coil 1 with power output stage
T2y	Double connector
T4af	4-pin connector
T14a	14-pin connector
T32c	32-pin connector
85	Ground connection 1 (in engine compartment wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
642	Electronic fan control ground connection
B350	Positive connection 1 (87a) (in main wiring harness)
*	Through December 2010
*2	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Outside air temperature sensor, Engine coolant level sensor, Windshield washer fluid level sensor, Instrument cluster

G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
J285	Instrument cluster control module
K	Instrument cluster
K1	High beam indicator lamp
K3	Oil pressure indicator lamp
K28	Engine coolant level/temperature indicator lamp
K83	Malfunction indicator lamp
K118	Brake system indicator lamp
K166	Door ajar indicator lamp
K170	Lamp failure indicator lamp
K205	Daytime running lamp indicator lamp
T2z	Double connector
T32c	32-pin connector
410	Sensor ground connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Data bus on board diagnostic interface, Instrument cluster

G42	Intake air temperature sensor
J104	ABS control module
J217	Transmission control module
J234	Airbag control module
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface
J623	Engine control module
K	Instrument cluster
K201	Fuel filler door lock indicator lamp
T5d	5-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52	52-pin connector
T75	75-pin connector
T94	94-pin connector
U31	Diagnostic connection
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Data bus on board diagnostic interface

J533	Data bus on board diagnostic interface
T20	20-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Comfort system (NAR)

from July 2010

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Battery, Fuse 1 (on fuse panel A), Fuse 5 (on fuse panel A), Fuse panel C, Fuse 29 (on fuse panel B)

A	Battery
C	Generator
SA	Fuse panel A
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC12	Fuse 12 (on fuse panel C)
SC23	Fuse 23 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC26	Fuse 26 (on fuse panel C)
SB29	Fuse 29 (on fuse panel B)
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A1	Positive connection (30a) (in instrument panel wiring harness)
A62	Power window connection (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)
*	from July 2011
*2	from December 2010
*3	Through June 2011
*4	Through December 2010
*5	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Child safety lock button, Driver power window button, Driver side rear power window button in driver door, Passenger side rear power window button in driver door, Front passenger power window button in driver door, Driver door control module

E318	Child safety lock button
E710	Driver power window button
E712	Driver side rear power window button in driver door
E714	Passenger side rear power window button in driver door
E715	Front passenger power window button in driver door
J386	Driver door control module
K236	Child safety lock -activated- indicator lamp
L76	Push button illumination bulb
T10c	10-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V147	Driver window regulator motor
267	Ground connection 2 (in driver door wiring harness)
Q38	Positive connection 1 (58b) (in power window wiring harness)
R10	Positive connection 1 (30) (in driver door wiring harness)
*	from December 2010
*2	Through June 2011
*3	Through December 2010
*4	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Mirror adjusting switch, Mirror selector switch, Exterior rearview mirror heating switch, Driver interior locking button, Driver door control module, Driver interior locking indicator lamp, Mirror adjustment switch illumination bulb

E43	Mirror adjusting switch
E48	Mirror selector switch
E231	Exterior rearview mirror heating switch
E308	Driver interior locking button
J386	Driver door control module
K174	Driver interior locking indicator lamp
L76	Push button illumination bulb
L78	Mirror adjustment switch illumination bulb
T2f	Double connector
T4n	4-pin connector
T6a	6-pin connector
T32a	32-pin connector
267	Ground connection 2 (in driver door wiring harness)
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rear lid remote release button, Driver door control module, Driver mirror adjustment motor 2, Driver mirror adjustment motor

E233	Rear lid remote release button
J386	Driver door control module
L76	Push button illumination bulb
L131	Driver exterior rearview mirror turn signal bulb
T4w	4-pin connector
T16a	16-pin connector
T20a	20-pin connector
T28	28-pin connector
T32a	32-pin connector
V17	Driver mirror adjustment motor 2
V149	Driver mirror adjustment motor
Z4	Heated driver exterior rearview mirror
89	Ground connection 1 (in power window wiring harness)
267	Ground connection 2 (in driver door wiring harness)
366	Ground connection 1 (in main wiring harness)
602	Ground connection in left front footwell
Q39	Positive connection 2 (58b) (in power window wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger interior locking button, Front passenger power window button, Driver door contact switch, Driver door control module, Front passenger door control module, Driver door lock unit, Driver door central locking system motor, Front passenger window regulator motor

E309	Front passenger interior locking button
E716	Front passenger power window button
F2	Driver door contact switch
J386	Driver door control module
J387	Front passenger door control module
L76	Push button illumination bulb
T4c	4-pin connector
T4z	4-pin connector
T8b	8-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28a	28-pin connector
T32b	32-pin connector
VX21	Driver door lock unit
V56	Driver door central locking system motor
V148	Front passenger window regulator motor
268	Ground connection 2 (in front passenger door wiring harness)
R16	Positive connection 1 (30) (in front passenger door wiring harness)
*	from December 2010
*2	from July 2011
*3	Through December 2010
*4	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger door contact switch, Front passenger door control module, Front passenger door lock unit, Front passenger side mirror adjustment motor 2, Front passenger door central locking system motor, Front passenger mirror adjustment motor

F3	Front passenger door contact switch
J387	Front passenger door control module
L132	Front passenger exterior rearview mirror turn signal bulb
T8c	8-pin connector
T16d	16-pin connector
T20b	20-pin connector
T28a	28-pin connector
VX22	Front passenger door lock unit
V25	Front passenger side mirror adjustment motor 2
V57	Front passenger door central locking system motor
V150	Front passenger mirror adjustment motor
Z5	Heated front passenger exterior rearview mirror
(107)	Ground connection (in exterior mirror wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver side rear power window button, Driver side rear interior locking button, Left rear door contact switch, Driver side rear door control module, Left rear door lock unit, Left rear central locking system motor, Driver side rear window regulator motor

E711	Driver side rear power window button
E717	Driver side rear interior locking button
F10	Left rear door contact switch
J926	Driver side rear door control module
L76	Push button illumination bulb
T4d	4-pin connector
T4i	4-pin connector
T6i	6-pin connector
T18b	18-pin connector
T28b	28-pin connector
VX23	Left rear door lock unit
V115	Left rear central locking system motor
V471	Driver side rear window regulator motor
168	Ground connection (in left swinging door wiring harness)
Q40	Positive connection 3 (58b) (in power window wiring harness)
R19	Positive connection 1 (30) (in left rear door wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Passenger side rear power window button, Passenger side rear interior locking button, Right rear door contact switch, Passenger side rear door control module, Right rear door lock unit, Right rear door central locking system motor, Passenger side rear window regulator motor

E713	Passenger side rear power window button
E718	Passenger side rear interior locking button
F11	Right rear door contact switch
J927	Passenger side rear door control module
L76	Push button illumination bulb
T4e	4-pin connector
T4h	4-pin connector
T6l	6-pin connector
T18c	18-pin connector
T28c	28-pin connector
VX24	Right rear door lock unit
V97	Right rear door central locking system motor
V472	Passenger side rear window regulator motor
169	Ground connection (in right swinging door wiring harness)
368	Ground connection 3 (in main wiring harness)
Q41	Positive connection 4 (58b) (in power window wiring harness)
R23	Positive connection 1 (30) (in right rear door wiring harness)
*	from December 2010
*2	Through December 2010
*3	Through June 2011
*4	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Alarm horn, Vehicle electrical control module system, Right position lamp bulb, Luggage compartment lamp

E26	Glove compartment lamp switch
H12	Alarm horn
J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M3	Right position lamp bulb
T2ae	Double connector
T5n	5-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
W3	Luggage compartment lamp
51	Ground connection in luggage compartment, right
86	Ground connection 1 (in rear wiring harness)
195	Ground connection (in rear door contact switch wiring harness)
378	Ground connection 13 (in main wiring harness)
656	Ground connection on right headlamp
B150	Positive connection 2 (30a) (in interior wiring harness)
*	from July 2012
*2	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock unit, Vehicle electrical control module system, Left tail lamp bulb, Fuel filler door unlock motor, Rear lid opening motor

E1	Light switch
E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F256	Rear lid lock unit
J519	Vehicle electrical control module system
M4	Left tail lamp bulb
T2n	Double connector
T4f	4-pin connector
T5o	5-pin connector
T10h	10-pin connector
T16	16-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
U31	Diagnostic connection
V155	Fuel filler door unlock motor
V254	Rear lid opening motor
47	Ground connection in right front footwell
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
369	Ground connection 4 (in main wiring harness)
373	Ground connection 8 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
662	Ground connection in left rear side panel
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Through June 2012
*2	from December 2010
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine hood contact switch, Vehicle electrical control module system

F34	Brake fluid level warning switch
F266	Engine hood contact switch
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
M5	Left front turn signal bulb
T2a	Double connector
T2v	Double connector
T10i	10-pin connector
T20	20-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Refer to applicable wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunroof adjustment regulator, Sunroof tilt button 1, Roof shade button 1, Power sunroof control module, Roof shade control module, Fuse 39 (on fuse panel C), Sunroof motor, Sunroof shade motor

E139	Sunroof adjustment regulator
E582	Sunroof tilt button 1
E584	Roof shade button 1
J245	Power sunroof control module
J394	Roof shade control module
L76	Push button illumination bulb
SC33	Fuse 33 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
T6c	6-pin connector
V1	Sunroof motor
V260	Sunroof shade motor
178	Ground connection (in sunroof wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
B577	LIN bus connection (in roof wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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2.0L Diesel Engine , CJAA

From July 2010

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Battery, Starter, Generator, Voltage Regulator, Vehicle Electrical System Control Module, Fuse 1 (On Fuse Panel A), Fuse 5 (On Fuse Panel A)

A	Battery
B	Starter
C	Generator
C1	Voltage Regulator
J519	Vehicle Electrical System Control Module
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
T3ba	3-Pin Connector
T4t	4-Pin Connector, Near the Starter
T52b	52-Pin Connector
T52c	52-Pin Connector
U11	Interior Socket, 230 V, 110 V
1	Ground Cable, Battery to Body
12	Ground Connection in Engine/Motor Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A17	Connection 61 (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)
*	From July 2011
*2	From December 2010
*3	For Vehicles with a Manual Transmission
*4	Through December 2010
*5	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Terminal 50 Power Supply Relay

D	Ignition/Starter Switch
E45	Cruise Control Switch
E227	Cruise Control -Set- Button
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J682	Terminal 50 Power Supply Relay
T9b	9-Pin Connector
T16p	16-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A41	Positive Connection (50) (in Instrument Panel Wiring Harness)
A201	Positive Connection 6 (15a) (in Instrument Panel Wiring Harness)
*	From July 2011
*2	From December 2010
*3	Through June 2011
*4	From July 2012
*5	Through December 2010
*6	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 30 Power Supply Relay, Fuse Panel B

J317	Terminal 30 Power Supply Relay
SB	Fuse Panel B
SB6	Fuse 6 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB13	Fuse 13 (On Fuse Panel B)
SB14	Fuse 14 (On Fuse Panel B)
SB15	Fuse 15 (On Fuse Panel B)
SB21	Fuse 21 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
SB23	Fuse 23 (On Fuse Panel B)
T14a	14-Pin Connector
T40	40-Pin Connector
A23	Connection 30al (in Instrument Panel Wiring Harness)
D78	Positive Connection 1 (30a) (in Engine/Motor Compartment Wiring Harness)
D183	Connection 4 (87A) (in Engine/Motor Compartment Wiring Harness)
E30	Connection 87A (in Engine Wiring Harness)
*	From July 2012
*2	From December 2010
*3	Through December 2010
*4	Through June 2012
*5	For Vehicles with a Manual Transmission
*6	Contact Bridge, Only Vehicles with Diesel Engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Pump Relay, Terminal 15 Power Supply Relay, Auxiliary Fuel Pump Relay, Fuse Panel B, Fuse Panel C, Auxiliary Fuel Pump

J17	Fuel Pump Relay
J329	Terminal 15 Power Supply Relay
J832	Auxiliary Fuel Pump Relay
SB	Fuse Panel B
SB10	Fuse 10 (On Fuse Panel B)
SC12	Fuse 12 (On Fuse Panel C)
SB24	Fuse 24 (On Fuse Panel B)
SC	Fuse Panel C
SC1	Fuse 1 (On Fuse Panel C)
SC2	Fuse 2 (On Fuse Panel C)
SC27	Fuse 27 (On Fuse Panel C)
SB27	Fuse 27 (On Fuse Panel B)
T9i	9-Pin Connector
T10ag	10-Pin Connector
T14a	14-Pin Connector
T40	40-Pin Connector
V393	Auxiliary Fuel Pump
656	Ground Connection on Right Headlamp
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A192	Positive Connection 3 (15a) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B156	Positive Connection 30a (in Interior Wiring Harness)
*	Contact Bridge, Only Vehicles with Diesel Engine
*2	From July 2011
*3	Through June 2012
*4	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine/Motor Control Module, Positive Crankcase Ventilation Heating Element

J623 Engine/Motor Control Module
N79 Positive Crankcase Ventilation Heating Element
T60 60-Pin Connector
T94 94-Pin Connector

(131) Ground Connection 2 (in Engine/Motor Compartment Wiring Harness)

(607) Ground Connection in Plenum Chamber, Left

(B441) Cruise Control Connection (in Main Wiring Harness)

(D182) Connection 3 (87A) (in Engine/Motor Compartment Wiring Harness)

* From July 2011
*2 Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Charge Air Pressure Sensor, Intake Air Temperature Sensor, Accelerator Pedal Position Sensor, Accelerator Pedal Position Sensor 2, Engine/Motor Control Module, Fuel Pressure Regulator Valve, Fuel Metering Valve

G31	Charge Air Pressure Sensor
G42	Intake Air Temperature Sensor
G79	Accelerator Pedal Position Sensor
G185	Accelerator Pedal Position Sensor 2
J623	Engine/Motor Control Module
N276	Fuel Pressure Regulator Valve
N290	Fuel Metering Valve
T4bw	4-Pin Connector
T6h	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
D189	Connection 87A (in Engine Pre-Wiring Harness)
*	From July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Exhaust Pressure Sensor 1, Differential Pressure Sensor, Engine/Motor Control Module, Exhaust Door Control Unit, Wastegate Bypass Regulator Valve

G450	Exhaust Pressure Sensor 1
G505	Differential Pressure Sensor
J623	Engine/Motor Control Module
J883	Exhaust Door Control Unit
N75	Wastegate Bypass Regulator Valve
T5s	5-Pin Connector
T14a	14-Pin Connector
T16	16-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
U31	Diagnostic Connection
D110	Connection 8 (in Engine/Motor Compartment Wiring Harness)
D111	Connection 9 (in Engine/Motor Compartment Wiring Harness)
*	Through June 2011
*2	From July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated Oxygen Sensor, Camshaft Position Sensor, Intake Manifold Runner Position Sensor, Engine/Motor Control Module, Intake Flap Motor

G39	Heated Oxygen Sensor
G40	Camshaft Position Sensor
G336	Intake Manifold Runner Position Sensor
J623	Engine/Motor Control Module
T3q	3-Pin Connector
T6w	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
V157	Intake Flap Motor
D35	Positive Connection 1 (15a) (in Engine Pre-Wiring Harness)
D141	Connection 5V (in Engine Pre-Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Automatic Glow Time Control Module, Engine/Motor Control Module, Glow Plug 1, Glow Plug 2, Glow Plug 3, Glow Plug 4

G620	Cylinder 1 Internal Pressure Sensor
G621	Cylinder 2 Internal Pressure Sensor
G622	Cylinder 3 Internal Pressure Sensor
G623	Cylinder 4 Internal Pressure Sensor
J179	Automatic Glow Time Control Module
J623	Engine/Motor Control Module
Q10	Glow Plug 1
Q11	Glow Plug 2
Q12	Glow Plug 3
Q13	Glow Plug 4
T11b	11-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
250	Ground Connection (in Diesel Engine Pre-Wiring Harness)
D37	Glow Plug Connection (in Engine Pre-Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Fluid Level Warning Switch, Engine Coolant Temperature Sensor, EGR Temperature Sensor, Automatic Glow Time Control Module, Throttle Valve Control Module, Engine/Motor Control Module, Cylinder 1 Fuel Injector

F34	Brake Fluid Level Warning Switch
G62	Engine Coolant Temperature Sensor
G98	EGR Temperature Sensor
H2	High Tone Horn
J179	Automatic Glow Time Control Module
J338	Throttle Valve Control Module
J623	Engine/Motor Control Module
N30	Cylinder 1 Fuel Injector
T2v	2-Pin Connector
T11b	11-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
282	Ground Connection (in Headlamp Washer System Wiring Harness)
376	Ground Connection 11 (in Main Wiring Harness)
381	Ground Connection 16 (in Main Wiring Harness)
642	Electronic Fan Control Ground Connection
655	Ground Connection on Left Headlamp
*	From July 2011
*2	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Coolant Temperature Sensor on Radiator Outlet, Exhaust Gas Temperature Sensor 1, Exhaust Gas Temperature Sensor 3, Exhaust Gas Temperature Sensor 4, Engine/Motor Control Module, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector

G83	Engine Coolant Temperature Sensor on Radiator Outlet
G235	Exhaust Gas Temperature Sensor 1
G495	Exhaust Gas Temperature Sensor 3
G648	Exhaust Gas Temperature Sensor 4
J623	Engine/Motor Control Module
N31	Cylinder 2 Fuel Injector
N32	Cylinder 3 Fuel Injector
N33	Cylinder 4 Fuel Injector
T2bb	2-Pin Connector
T2bc	2-Pin Connector
T2bz	2-Pin Connector
T10ag	10-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
(D112)	Connection 10 (in Engine/Motor Compartment Wiring Harness)
*	From July 2011
*2	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Pressure Sensor, Exhaust Gas Temperature Sensor 2, EGR Position Sensor 2, Charge Air Pressure Actuator Position Sensor, Engine/Motor Control Module

G247	Fuel Pressure Sensor
G448	Exhaust Gas Temperature Sensor 2
G466	EGR Position Sensor 2
G581	Charge Air Pressure Actuator Position Sensor
J623	Engine/Motor Control Module
N213	Valve 2 for EGR
T2ba	2-Pin Connector
T6at	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
250	Ground Connection (in Diesel Engine Pre-Wiring Harness)
D105	Positive Connection 3 (58d) (in Engine/Motor Compartment Wiring Harness)
D112	Connection 10 (in Engine/Motor Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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EGR Valve 1, Engine Speed Sensor, Mass Airflow Sensor, Fuel Temperature Sensor, EGR Potentiometer, Engine/ Motor Control Module, EGR Valve

GX5	EGR Valve 1
G28	Engine Speed Sensor
G70	Mass Airflow Sensor
G81	Fuel Temperature Sensor
G212	EGR Potentiometer
J623	Engine/Motor Control Module
N18	EGR Valve
T5d	5-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
250	Ground Connection (in Diesel Engine Pre-Wiring Harness)
D105	Positive Connection 3 (58d) (in Engine/Motor Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Lamp Switch, Brake Pedal Switch, Clutch Position Sensor, Engine/Motor Control Module

F	Brake Lamp Switch	
F47	Brake Pedal Switch	
G476	Clutch Position Sensor	
J104	ABS Control Module	
J623	Engine/Motor Control Module	
T4x	4-Pin Connector	
T4y	4-Pin Connector	
T5m	5-Pin Connector	
T14a	14-Pin Connector	
T47	47-Pin Connector	
T94	94-Pin Connector	
402	Interior Lighting Ground Connection (in Interior Wiring Harness)	
A99	Connection 87 (in Instrument Panel Wiring Harness) 1	
A193	Connection 87a (in Instrument Panel Wiring Harness)	
B131	Connection 54 (in Interior Wiring Harness)	
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)	
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)	
*	For Vehicles with Anti-Lock Braking System (ABS) and Electronic Stabilization Program (ESP)	
*2	Radiator Fan Connection	
*3	From July 2012	
*4	From December 2010	
*5	For Vehicles with a Manual Transmission	
*6	Through June 2011	
*7	Through June 2012	
*8	Through December 2010	
*9	From July 2011	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oxygen Sensor After Catalytic Converter, Data Bus on Board Diagnostic Interface, Engine/Motor Control Module

G130	Oxygen Sensor After Catalytic Converter
J234	Airbag Control Module
J533	Data Bus on Board Diagnostic Interface
J623	Engine/Motor Control Module
T6af	6-Pin Connector
T20	20-Pin Connector
T75	75-Pin Connector
T94	94-Pin Connector
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil Pressure Switch, Fuel Level Sensor, Fuel Gauge, Fuel Delivery Unit, Engine Coolant Temperature Gauge, Transfer Fuel Pump, Speedometer, Data Bus on Board Diagnostic Interface, Instrument Cluster, Oil Pressure Indicator Lamp, Cruise Control Indicator Lamp

F1	Oil Pressure Switch
G	Fuel Level Sensor
G1	Fuel Gauge
GX1	Fuel Delivery Unit
G3	Engine Coolant Temperature Gauge
G5	Tachometer
G6	Transfer Fuel Pump
G21	Speedometer
G32	Engine Coolant Level Sensor
H3	Warning Buzzer and Tone
J285	Instrument Cluster Control Module
J533	Data Bus on Board Diagnostic Interface
K	Instrument Cluster
K2	Generator Indicator Lamp
K3	Oil Pressure Indicator Lamp
K28	Engine Coolant Level/Temperature Indicator Lamp
K31	Cruise Control Indicator Lamp
K105	Low Fuel Level Indicator Lamp
K132	Electronic Power Control Malfunction Indicator Lamp
T5b	5-Pin Connector
T14a	14-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
410	Sensor Ground Connection 1 (in Main Wiring Harness)
*	From December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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12 V Socket

T3j	3-Pin Connector
U5	12 V Socket
51	Ground Connection in Luggage Compartment, Right
367	Ground Connection 2 (in Main Wiring Harness)
383	Ground Connection 18 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell
*	From July 2011
*2	Through June 2011
*3	For Vehicles with a Manual Transmission
*4	Through December 2010
*5	From December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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2.5L Gasoline Engine , CBTA,CBUA

From July 2010

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Battery, Starter, Generator, Vehicle Electrical System Control Module

A	Battery
B	Starter
C	Generator
C1	Voltage Regulator
J519	Vehicle Electrical System Control Module
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
T3ba	3-Pin Connector
T4t	4-Pin Connector, Near the Starter
T52c	52-Pin Connector
U11	Interior Socket, 230 V, 110 V
1	Ground Strap, Battery to Body
12	Ground Connection in Engine Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A17	Connection 61 (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)
*	From December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module, Steering Column Electronics Control Module, Terminal 50 Power Supply Relay

D	Ignition/Starter Switch
E45	Cruise Control Switch
E227	Cruise Control -Set- Button
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J682	Terminal 50 Power Supply Relay
T9b	9-Pin Connector
T16p	16-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
402	Interior Lighting Ground Connection (in Interior Wiring Harness)
A41	Positive Connection (50) (in Instrument Panel Wiring Harness)
A201	Positive Connection 6 (15a) (in Instrument Panel Wiring Harness)
*	Through June 2012
*2	Through December 2010
*3	From July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Motronic Engine Control Module Power Supply Relay, Fuse Panel B

J271	Motronic Engine Control Module Power Supply Relay
SB	Fuse Panel B
SB14	Fuse 14 (On Fuse Panel B)
SB15	Fuse 15 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
SB23	Fuse 23 (On Fuse Panel B)
SB24	Fuse 24 (On Fuse Panel B)
T14a	14-Pin Connector
T40	40-Pin Connector
402	Interior Lighting Ground Connection (in Interior Wiring Harness)
A193	Connection 87a (in Instrument Panel Wiring Harness)
D78	Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
*	Optional Equipment
*2	Through December 2010
*3	From December 2010
*4	From July 2012
*5	For Vehicles with a Manual Transmission
*6	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Secondary Air Injection Pump Relay, Fuse Panel B, Secondary Air Injection Pump Motor

J299	Secondary Air Injection Pump Relay
SB	Fuse Panel B
SB6	Fuse 6 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB10	Fuse 10 (On Fuse Panel B)
SB13	Fuse 13 (On Fuse Panel B)
SB21	Fuse 21 (On Fuse Panel B)
SB27	Fuse 27 (On Fuse Panel B)
T40	40-Pin Connector
V101	Secondary Air Injection Pump Motor
655	Ground Connection on Left Headlamp
A23	Connection 30al (in Instrument Panel Wiring Harness)
*	Optional Equipment
*2	From December 2010
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Level Sensor, Fuel Delivery Unit, Transfer Fuel Pump, Fuel Pump Relay, Fuel Supply Relay

G	Fuel Level Sensor
GX1	Fuel Delivery Unit
G6	Transfer Fuel Pump
J17	Fuel Pump Relay
J386	Driver Door Control Module
J387	Front Passenger Door Control Module
J643	Fuel Supply Relay
SC12	Fuse 12 (On Fuse Panel C)
SC27	Fuse 27 (On Fuse Panel C)
T3j	3-Pin Connector
T5b	5-Pin Connector
T20a	20-Pin Connector
T20b	20-Pin Connector
T28	28-Pin Connector
T28a	28-Pin Connector
U5	12 V Socket
51	Ground Connection in Luggage Compartment, Right
383	Ground Connection 18 (in Main Wiring Harness)
A1	Positive Connection 30a (in Instrument Panel Wiring Harness)
B156	Positive Connection 30a (in Interior Wiring Harness)
B350	Positive Connection 1 (87a) (in Main Wiring Harness)
*	From December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module

J623	Engine Control Module
T94	94-Pin Connector
131	Ground Connection 2 (in Engine Compartment Wiring Harness)
607	Ground Connection in Plenum Chamber, Left
D182	Connection 3 (87A) (in Engine Compartment Wiring Harness)
*	From December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module, Ignition Coil 1 with Power Output Stage, Ignition Coil 2 with Power Output Stage, Ignition Coil 3 with Power Output Stage, Ignition Coil 4 with Power Output Stage, Spark Plug Connectors, Spark Plugs

J623	Engine Control Module
N70	Ignition Coil 1 with Power Output Stage
N127	Ignition Coil 2 with Power Output Stage
N291	Ignition Coil 3 with Power Output Stage
N292	Ignition Coil 4 with Power Output Stage
P	Spark Plug Connectors
Q	Spark Plugs
T4af	4-Pin Connector
T4ag	4-Pin Connector
T4ah	4-Pin Connector
T4ai	4-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
15	Ground Connection on Cylinder Head
85	Ground Connection 1 (in Engine Compartment Wiring Harness)
281	Ground Connection 1 (in Engine Pre-Wiring Harness)
642	Electronic Fan Control Ground Connection
D20	Connection 87A (in Right Front Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Coolant Temperature Sensor on Radiator Outlet, EPC Throttle Drive, Throttle Valve Control Module, Engine Control Module, Ignition Coil 5 with Power Output Stage, Spark Plug Connectors

G69	Throttle Position Sensor
G83	Engine Coolant Temperature Sensor on Radiator Outlet
G186	EPC Throttle Drive
G188	EPC Throttle Drive Angle Sensor 2
J338	Throttle Valve Control Module
J623	Engine Control Module
N323	Ignition Coil 5 with Power Output Stage
P	Spark Plug Connectors
Q	Spark Plugs
T4aj	4-Pin Connector
T6x	6-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
85	Ground Connection 1 (in Engine Compartment Wiring Harness)
281	Ground Connection 1 (in Engine Pre-Wiring Harness)
D20	Connection 87A (in Right Front Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Camshaft Position Sensor, Knock Sensor 1, Engine Coolant Temperature Sensor, Knock Sensor 2, Engine Control Module

G40	Camshaft Position Sensor
G61	Knock Sensor 1
G62	Engine Coolant Temperature Sensor
G66	Knock Sensor 2
J623	Engine Control Module
T60	60-Pin Connector
D103	Connection 3 (in Engine Compartment Wiring Harness)
*	From July 2011
*2	Optional Equipment
*3	Through June 2011
*4	Through June 2012
*5	From July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Engine Speed Sensor, Manifold Absolute Pressure Sensor, Engine Control Module, EVAP Canister Purge Regulator Valve 1, Camshaft Adjustment Valve 1

G28	Engine Speed Sensor
G71	Manifold Absolute Pressure Sensor
J623	Engine Control Module
N80	EVAP Canister Purge Regulator Valve 1
N205	Camshaft Adjustment Valve 1
T60	60-Pin Connector
D101	Connection 1 (in Engine Compartment Wiring Harness)
D103	Connection 3 (in Engine Compartment Wiring Harness)
D107	Connection 5 (in Engine Compartment Wiring Harness)
D181	Connection 2 (87A) (in Engine Compartment Wiring Harness)
*	Optional Equipment
*2	Through June 2012
*3	From July 2011
*4	From July 2012
*5	Through June 2011

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Engine Control Module, Cylinder 1 Fuel Injector, Cylinder 2 Fuel Injector, Cylinder 3 Fuel Injector, Cylinder 4 Fuel Injector, Cylinder 5 Fuel Injector

J623	Engine Control Module
N30	Cylinder 1 Fuel Injector
N31	Cylinder 2 Fuel Injector
N32	Cylinder 3 Fuel Injector
N33	Cylinder 4 Fuel Injector
N83	Cylinder 5 Fuel Injector
T14a	14-Pin Connector
T60	60-Pin Connector
D136	Positive Connection 2 (15a) (in Engine Compartment Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated Oxygen Sensor, Accelerator Pedal Position Sensor, Accelerator Pedal Position Sensor 2, Engine Control Module

G39	Heated Oxygen Sensor
G79	Accelerator Pedal Position Sensor
G185	Accelerator Pedal Position Sensor 2
J623	Engine Control Module
T6h	6-Pin Connector
T6w	6-Pin Connector
T94	94-Pin Connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oxygen Sensor After Catalytic Converter, Center Oxygen Sensor for Bank 1 Catalytic Converter, Engine Control Module

G130	Oxygen Sensor After Catalytic Converter
G465	Center Oxygen Sensor for Bank 1 Catalytic Converter
J623	Engine Control Module
T4ao	4-Pin Connector
T4v	4-Pin Connector
T94	94-Pin Connector
E30	Connection 87A (in Engine Wiring Harness)
*	Optional Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Brake Lamp Switch, Brake Pedal Switch, Clutch Position Sensor, Engine Control Module

F	Brake Lamp Switch
F47	Brake Pedal Switch
G476	Clutch Position Sensor
J623	Engine Control Module
T4y	4-Pin Connector
T5m	5-Pin Connector
T94	94-Pin Connector
B131	Connection 54 (in Interior Wiring Harness)
*	From December 2010
*2	For Vehicles with a Manual Transmission
*3	Through December 2010
*4	From July 2012
*5	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Secondary Air Injection Sensor 1, Engine Control Module

G609	Secondary Air Injection Sensor 1
J104	ABS Control Module
J623	Engine Control Module
T3ap	3-Pin Connector
T4aw	4-Pin Connector
T47	47-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
*	For Vehicles with Anti-Lock Braking System (ABS) and Electronic Stabilization Program (ESP)
*2	Optional Equipment
*3	Through June 2012
*4	From July 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Engine Control Module, Secondary Air Injection Solenoid Valve, Leak Detection Pump

J623	Engine Control Module
N112	Secondary Air Injection Solenoid Valve
T3d	3-Pin Connector
T4x	4-Pin Connector
T14a	14-Pin Connector
T60	60-Pin Connector
T94	94-Pin Connector
V144	Leak Detection Pump
A99	Connection 87 (in Instrument Panel Wiring Harness) 1
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
E7	Connection 87a (in Motronic Multiform Fuel Injection Wiring Harness)
*	Radiator Fan Connection
*2	Optional Equipment
*3	Through December 2010
*4	From July 2011
*5	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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rs	=	pink

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Terminal 15 Power Supply Relay, Vehicle Electrical System Control Module

J234	Airbag Control Module
J329	Terminal 15 Power Supply Relay
J519	Vehicle Electrical System Control Module
SC2	Fuse 2 (On Fuse Panel C)
T9i	9-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
T75	75-Pin Connector
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
*	From December 2010
*2	For Vehicles with a Manual Transmission
*3	Through December 2010
*4	Through June 2012

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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Oil Pressure Switch, Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface, Low Fuel Level Indicator Lamp

F1	Oil Pressure Switch
H3	Warning Buzzer and Tone
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
J533	Data Bus on Board Diagnostic Interface
K3	Oil Pressure Indicator Lamp
K105	Low Fuel Level Indicator Lamp
T14a	14-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
T52c	52-Pin Connector
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)
*	From December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Gauge, Engine Coolant Temperature Gauge, Tachometer, Speedometer, Vehicle Electrical System Control Module, Generator Indicator Lamp, Engine Coolant Level/Temperature Indicator Lamp, Cruise Control Indicator Lamp, Electronic Power Control Malfunction Indicator Lamp

G1	Fuel Gauge
G3	Engine Coolant Temperature Gauge
G5	Tachometer
G21	Speedometer
G32	Engine Coolant Level Sensor
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
K2	Generator Indicator Lamp
K28	Engine Coolant Level/Temperature Indicator Lamp
K31	Cruise Control Indicator Lamp
K83	Malfunction Indicator Lamp
K132	Electronic Power Control Malfunction Indicator Lamp
T32c	32-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
410	Sensor Ground Connection 1 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell
*	From July 2011
*2	Through June 2011
*3	Through December 2010
*4	For Vehicles with a Manual Transmission
*5	From December 2010

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Coolant fan

from July 2010

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Battery, Motronic engine control module power supply relay

A	Battery
B	Starter
C	Generator
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA3	Fuse 3 (on fuse panel A)
SB24	Fuse 24 (on fuse panel B)
T40	40-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
A99	Connection 87 (in instrument panel wiring harness) 1
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Coolant fan control module, Coolant fan, Right coolant fan, Coolant fan 2

J293	Coolant fan control module
J623	Engine control module
T2ah	Double connector
T4x	4-pin connector
T94	94-pin connector
T121	121-pin connector
V7	Coolant fan
V35	Right coolant fan
V177	Coolant fan 2
642	Electronic fan control ground connection
*	Refer to applicable engine wiring diagram
*2	Depending on equipment
*3	Only for vehicles with two coolant fans

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Automatic transmission 6-speed with tiptronic , CBTA,CBUA,CCCA,(0ER)

from July 2010

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Battery, Starter, Generator

A	Battery
B	Starter
C	Generator
J17	Fuel pump relay
J643	Fuel primer relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC14	Fuse 14 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
508	Terminal 30 threaded connection (on E-box)
652	Transmission/engine ground connection
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B156	Positive connection (30a) (in interior wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 power supply relay, Vehicle electrical control module system

F47	Brake pedal switch
G65	High pressure sensor
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
SC2	Fuse 2 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SC30	Fuse 30 (on fuse panel C)
T3c	3-pin connector
T4y	4-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
508	Terminal 30 threaded connection (on E-box)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction transmission range switch, Transmission control module

F125	Multifunction transmission range switch
J217	Transmission control module
J400	Wiper motor control module
T4p	4-pin connector
T10n	10-pin connector
T52	52-pin connector
114	Ground connection (in automatic transmission wiring harness)
376	Ground connection 11 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Transmission fluid temperature sensor, Transmission input speed sensor, Transmission output speed sensor, Transmission control module, Solenoid valve 1, Solenoid valve 2, Solenoid valve 3, Solenoid valve 4, Solenoid valve 5, Solenoid valve 6, Solenoid valve 9, Solenoid valve 10

G93	Transmission fluid temperature sensor
G182	Transmission input speed sensor
G195	Transmission output speed sensor
J217	Transmission control module
N88	Solenoid valve 1
N89	Solenoid valve 2
N90	Solenoid valve 3
N91	Solenoid valve 4
N92	Solenoid valve 5
N93	Solenoid valve 6
N282	Solenoid valve 9
N283	Solenoid valve 10
T8	8-pin connector
T14	14-pin connector
T52	52-pin connector
U8	Positive connection (15a) (in automatic transmission wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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tiptronic switch, Selector lever park position lock switch, Transmission control module

E256	ASR/ESP button
F189	tiptronic switch
F319	Selector lever park position lock switch
J217	Transmission control module
J527	Steering column electronics control module
T6ad	6-pin connector
T10s	10-pin connector
T16p	16-pin connector
T52	52-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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tiptronic switch, Transmission control module, Selector lever scale illumination bulb, Shift lock solenoid, Transmission range display

F189	tiptronic switch
J217	Transmission control module
L101	Selector lever scale illumination bulb
N110	Shift lock solenoid
T2p	Double connector
T10w	10-pin connector
T52	52-pin connector
Y6	Transmission range display
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction indicator, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface

J119	Multifunction indicator
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
N376	Ignition switch key lock solenoid
T12j	12-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
A76	KS-diagnostic lead connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Automatic Transmission (DSG) 02E , (0ES)

From July 2010

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Battery

A	Battery
B	Starter
C	Generator
J301	A/C Control Module
J389	Right Rear Door Control Module
J682	Terminal 50 Power Supply Relay
SA1	Fuse 1 (On Fuse Panel A)
SC2	Fuse 2 (On Fuse Panel C)
SA5	Fuse 5 (On Fuse Panel A)
SC14	Fuse 14 (On Fuse Panel C)
SC24	Fuse 24 (On Fuse Panel C)
T9b	9-Pin Connector
T18c	18-Pin Connector
T20c	20-Pin Connector
T28c	28-Pin Connector
1	Ground Strap, Battery to Body
12	Ground Connection in Engine Compartment, Left
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
652	Transmission/Engine Ground Connection
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A168	Positive Connection 4 (30a) (in Instrument Panel Wiring Harness)
A189	Positive Connection 5 (30a) (in Instrument Panel Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B169	Positive Connection 1 (30) (in Interior Wiring Harness)
*	Optional Equipment
*2	Through December 2010
*3	From December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Motronic Engine Control Module Power Supply Relay, Terminal 30 Power Supply Relay, Terminal 15 Power Supply Relay, Vehicle Electrical System Control Module

J271	Motronic Engine Control Module Power Supply Relay
J317	Terminal 30 Power Supply Relay
J329	Terminal 15 Power Supply Relay
J519	Vehicle Electrical System Control Module
J623	Engine/Motor Control Module
SB5	Fuse 5 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB10	Fuse 10 (On Fuse Panel B)
SB22	Fuse 22 (On Fuse Panel B)
T9i	9-Pin Connector
T40	40-Pin Connector
T52b	52-Pin Connector
T94	94-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
D78	Positive Connection 1 (30a) (in Engine Compartment Wiring Harness)
*	Refer to Applicable Engine Wiring Diagram
*2	Through December 2010
*3	From December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Transmission Input Speed Sensor, Clutch Oil Temperature Sensor, Dual-Clutch Transmission Mechatronic

E229	Emergency Flasher Button
G182	Transmission Input Speed Sensor
G509	Clutch Oil Temperature Sensor
J743	Dual-Clutch Transmission Mechatronic
N88	Solenoid Valve 1
N89	Solenoid Valve 2
N90	Solenoid Valve 3
N91	Solenoid Valve 4
N92	Solenoid Valve 5
T4q	4-Pin Connector
T6bq	6-Pin Connector
T20e	20-Pin Connector
47	Ground Connection in Right Front Footwell
114	Ground Connection (in Automatic Transmission Wiring Harness)
372	Ground Connection 7 (in Main Wiring Harness)
375	Ground Connection 10 (in Main Wiring Harness)
655	Ground Connection on Left Headlamp
D92	Connection 30al (in Engine Compartment Wiring Harness)
*	Through December 2010
*2	From December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Selector Lever Park Position Lock Switch, Automatic Transmission Hydraulic Pressure Sensor 1, Automatic Transmission Hydraulic Pressure Sensor 2, Selector Lever Sensor System Control Module, Dual-Clutch Transmission Mechatronic, Automatic Transmission Pressure Regulating Valve 1, Automatic Transmission Pressure Regulating Valve 2, Automatic Transmission Pressure Regulating Valve 3, Automatic Transmission Pressure Regulating Valve 4, Automatic Transmission Pressure Regulating Valve 5, Automatic Transmission Pressure Regulating Valve 6

F319	Selector Lever Park Position Lock Switch
G193	Automatic Transmission Hydraulic Pressure Sensor 1
G194	Automatic Transmission Hydraulic Pressure Sensor 2
J587	Selector Lever Sensor System Control Module
J743	Dual-Clutch Transmission Mechatronic
N215	Automatic Transmission Pressure Regulating Valve 1
N216	Automatic Transmission Pressure Regulating Valve 2
N217	Automatic Transmission Pressure Regulating Valve 3
N218	Automatic Transmission Pressure Regulating Valve 4
N233	Automatic Transmission Pressure Regulating Valve 5
N371	Automatic Transmission Pressure Regulating Valve 6
T10s	10-Pin Connector, Under the Selector Lever

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Transmission Fluid Temperature Sensor, Gear Position Distance Sensor 1, Gear Position Distance Sensor 2, Gear Position Distance Sensor 3, Gear Position Distance Sensor 4, Selector Lever Sensor System Control Module, Dual-Clutch Transmission Mechatronic, Selector Lever Scale Illumination Bulb, Shift Lock Solenoid, Transmission Range Display

G93	Transmission Fluid Temperature Sensor
G487	Gear Position Distance Sensor 1
G488	Gear Position Distance Sensor 2
G489	Gear Position Distance Sensor 3
G490	Gear Position Distance Sensor 4
J587	Selector Lever Sensor System Control Module
J743	Dual-Clutch Transmission Mechatronic
L101	Selector Lever Scale Illumination Bulb
N110	Shift Lock Solenoid
T2p	2-Pin Connector, Under the Selector Lever
T10s	10-Pin Connector, Under the Selector Lever
T10w	10-Pin Connector, Under the Selector Lever
Y6	Transmission Range Display

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Transmission Output Speed Sensor, Drive Axle Speed Sensor 1, Temperature Sensor in Control Module, Vehicle Electrical System Control Module, Dual-Clutch Transmission Mechatronic

E1	Light Switch
E256	ASR/ESP Button
G195	Transmission Output Speed Sensor
G196	Transmission Output Speed Sensor 2
G501	Drive Axle Speed Sensor 1
G502	Drive Axle Speed Sensor 2
G510	Temperature Sensor in Control Module
J519	Vehicle Electrical System Control Module
J743	Dual-Clutch Transmission Mechatronic
T6ad	6-Pin Connector
T10h	10-Pin Connector
T20e	20-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A76	Ks-Diagnostic Lead Connection (in Instrument Panel Wiring Harness)
B238	Positive Connection 2 (58b) (in Interior Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
*	Through December 2010
*2	From December 2010

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Multifunction Indicator, Instrument Cluster Control Module, Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface

J119	Multifunction Indicator
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J533	Data Bus on Board Diagnostic Interface
J623	Engine/Motor Control Module
N376	Ignition Switch Key Lock Solenoid
T12j	12-Pin Connector
T16	16-Pin Connector
T16p	16-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
T52c	52-Pin Connector
U31	Diagnostic Connection
402	Interior Lighting Ground Connection (in Interior Wiring Harness)
A76	Ks-Diagnostic Lead Connection (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus Low Connection 1 (in Main Wiring Harness)
*	Refer to Applicable Engine Wiring Diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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A/C system , (KH6),(9AP)

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Terminal 15 power supply relay, Vehicle electrical system control module, Terminal 75 power supply relay 1, Fuse 7 (on fuse panel B), Fuse 30 (on fuse panel B)

A	Battery
B	Starter
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J680	Terminal 75 power supply relay 1
SA5	Fuse 5 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T9i	9-pin connector
T9m	9-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
*	Depending on equipment
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

High pressure sensor, A/C control module, Fuse panel C

E256	ASR/ESP button
F47	Brake pedal switch
G65	High pressure sensor
J301	A/C control module, in the engine compartment, right
J389	Right rear door control module
J682	Terminal 50 power supply relay
SC	Fuse panel C
SC4	Fuse 4 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T3c	3-pin connector
T4y	4-pin connector
T6ad	6-pin connector
T9b	9-pin connector
T18c	18-pin connector
T20c	20-pin connector
T28c	28-pin connector
402	Interior lighting ground connection (in interior wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Through December 2010
*2	from December 2010

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Recirculation door motor position sensor, Footwell vent temperature sensor, Left temperature door potentiometer/ actuator, Evaporator vent temperature sensor, A/C control module, Temperature regulator door motor

E159	Fresh air/recirculation door switch
G143	Recirculation door motor position sensor
G192	Footwell vent temperature sensor
G220	Left temperature door potentiometer/actuator
G263	Evaporator vent temperature sensor
G267	Temperature selector knob potentiometer
J301	A/C control module, in the engine compartment, right
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K10	Rear window defogger indicator lamp
K114	Fresh air and recirculation mode indicator lamp
T6k	6-pin connector
T6m	6-pin connector
T16e	16-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
V68	Temperature regulator door motor
V113	Recirculation door motor
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
L2	Connection (in A/C system wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
*	Only for vehicles with Climatic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Center vent temperature sensor, Air distribution door motor position sensor, A/C control module, A/C compressor regulator valve, Air distribution door motor

E30	A/C switch	
E94	Heated driver seat adjuster	
E230	Rear window defogger button	
F34	Brake fluid level warning switch	
G191	Center vent temperature sensor	
G645	Air distribution door motor position sensor	
J301	A/C control module, in the engine compartment, right	
J400	Wiper motor control module	
J774	Front seat heating control module	
N280	A/C compressor regulator valve	
T2v	Double connector	
T4p	4-pin connector	
T4t	4-pin connector	
T6bw	6-pin connector	
T8v	8-pin connector	
T10a	10-pin connector, under the driver seat	
T16e	16-pin connector	
T20c	20-pin connector	
V428	Air distribution door motor	
376	Ground connection 11 (in main wiring harness)	
381	Ground connection 16 (in main wiring harness)	
655	Ground connection on left headlamp	
B431	Seat heating connection (in main wiring harness)	
L2	Connection (in A/C system wiring harness)	
L8	Connection 4 (in A/C unit wiring harness)	
*	Only for vehicles with Climatic	
*2	Only for vehicles with an auxiliary heater	
*3	The color of the wires depends on vehicle equipment	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fresh air blower switch, A/C control module, Fresh air blower series resistor with fuse, Fresh air blower

E9	Fresh air blower switch
E95	Heated front passenger seat adjuster
E256	ASR/ESP button
G59	Heated driver seat temperature sensor
J301	A/C control module, in the engine compartment, right
J485	Auxiliary heater operation relay
J774	Front seat heating control module
N24	Fresh air blower series resistor with fuse
T4r	4-pin connector
T5	5-pin connector
T6ad	6-pin connector
T8v	8-pin connector
T10a	10-pin connector, under the driver seat
T10k	10-pin connector, on the heater
T20c	20-pin connector
V2	Fresh air blower
44	Ground connection on A-pillar, lower left
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
L6	Connection 2 (in A/C unit wiring harness)
M45	Connection 5 (in driver seat wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles with auxiliary water heater

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Climatronic , (9AK)

from July 2010

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High pressure sensor, Climatronic control module, Vehicle electrical control module system

A	Battery
F47	Brake pedal switch
G65	High pressure sensor
J255	Climatronic control module, behind the center console
J519	Vehicle electrical control module system
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
SC4	Fuse 4 (on fuse panel C)
SA5	Fuse 5 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SC14	Fuse 14 (on fuse panel C)
SC22	Fuse 22 (on fuse panel C)
T3c	3-pin connector
T4y	4-pin connector
T9b	9-pin connector
T9i	9-pin connector
T20c	20-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
402	Interior lighting ground connection (in interior wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunlight photo sensor, Sunlight photo sensor 2, Left vent temperature sensor, Right vent temperature sensor, Left footwell vent temperature sensor, Evaporator vent temperature sensor, Climatronic control module

G107	Sunlight photo sensor
G134	Sunlight photo sensor 2
G150	Left vent temperature sensor
G151	Right vent temperature sensor
G261	Left footwell vent temperature sensor
G263	Evaporator vent temperature sensor
J255	Climatronic control module, behind the center console
T16g	16-pin connector
T20c	20-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
L7	Connection 3 (in A/C unit wiring harness)
L9	Connection 1 (in A/C system wiring harness)
*	Through December 2010
*2	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Defroster door motor position sensor, Left temperature control door motor, Air quality sensor, Right footwell vent temperature sensor, Climatronic control module, Defroster door motor, Left temperature control door motor

G135	Defroster door motor position sensor
G220	Left temperature control door motor
G238	Air quality sensor
G262	Right footwell vent temperature sensor
J255	Climatronic control module, behind the center console
T3an	3-pin connector
T6p	6-pin connector
T6q	6-pin connector
T16f	16-pin connector
T16g	16-pin connector
T16p	16-pin connector
T20c	20-pin connector
V107	Defroster door motor
V158	Left temperature control door motor
382	Ground connection 17 (in main wiring harness)
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
*	Not for USA
*2	Diagnostic connector

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Central door motor position sensor, Back pressure door motor position sensor, Right temperature door potentiometer/actuator, Climatronic control module, Central air door motor, Airflow door motor, Right temperature control door motor

G112	Central door motor position sensor
G113	Back pressure door motor position sensor
G221	Right temperature door potentiometer/actuator
J255	Climatronic control module, behind the center console
T6n	6-pin connector
T6o	6-pin connector
T6u	6-pin connector
T16f	16-pin connector
T16g	16-pin connector
V70	Central air door motor
V71	Airflow door motor
V159	Right temperature control door motor
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Climatronic control module

E229	Emergency flasher button
G60	Front passenger heated seat temperature sensor
J255	Climatronic control module, behind the center console
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J774	Front seat heating control module
T4m	4-pin connector
T6bq	6-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T16g	16-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
B431	Seat heating connection (in main wiring harness)
L7	Connection 3 (in A/C unit wiring harness)
L8	Connection 4 (in A/C unit wiring harness)
M45	Connection 5 (in driver seat wiring harness)

Fresh air blower control module, Climatronic control module, A/C compressor regulator valve, Fresh air blower

F266	Engine hood contact switch
J126	Fresh air blower control module
J255	Climatronic control module, behind the center console
J400	Wiper motor control module
N280	A/C compressor regulator valve
T2a	Double connector
T4p	4-pin connector
T4t	4-pin connector, near the starter
T6t	6-pin connector
T10k	10-pin connector, on the heater
T16f	16-pin connector
T20c	20-pin connector
V2	Fresh air blower
44	Ground connection on A-pillar, lower left
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-Lock Brake System (ABS) with EDL and ASR , (1AC)

from July 2010

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Battery, Terminal 15 power supply relay, Vehicle electrical control module system

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T16p	16-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right front ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

F	Brake lamp switch
G45	Right front ABS wheel speed sensor
G47	Left front ABS wheel speed sensor
J104	ABS control module
J533	Data bus on board diagnostic interface
J623	Engine control module
N134	Left rear ABS inlet valve
N136	Left rear ABS outlet valve
N225	Driving dynamics regulation switch valve 1
N226	Driving dynamics regulation switch valve 2
T4y	4-pin connector
T20	20-pin connector
T26a	26-pin connector
V64	ABS hydraulic pump
12	Ground connection in engine compartment, left
638	Ground connection on right A-pillar
652	Transmission/engine ground connection
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)
D184	Left front speed sensor positive connection (in engine compartment wiring harness)
D185	Left front speed sensor negative connection (in engine compartment wiring harness)
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ASR switch, Right rear ABS wheel speed sensor, Left rear ABS wheel speed sensor, ABS control module

E132	ASR switch
E229	Emergency flasher button
G44	Right rear ABS wheel speed sensor
G46	Left rear ABS wheel speed sensor
J104	ABS control module
K86	Traction control indicator lamp
L71	ASR switch illumination bulb
N101	Left front ABS inlet valve
N102	Left front ABS outlet valve
N133	Right rear ABS inlet valve
N135	Right rear ABS outlet valve
T6ad	6-pin connector
T6bq	6-pin connector
T26a	26-pin connector
372	Ground connection 7 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B510	Right rear speed sensor connection 1 (in interior wiring harness)
B511	Right rear speed sensor connection 2 (in interior wiring harness)
B512	Left rear speed sensor connection 1 (in interior wiring harness)
B513	Left rear speed sensor connection 2 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Tire pressure monitoring display button, ABS control module, Data bus on board diagnostic interface

E1	Light switch
E492	Tire pressure monitoring display button
J104	ABS control module
J234	Airbag control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
L76	Push button illumination bulb
N99	Right front ABS inlet valve
N100	Right front ABS outlet valve
T6an	6-pin connector
T10h	10-pin connector
T16p	16-pin connector
T20	20-pin connector
T26a	26-pin connector
T75	75-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Refer to applicable airbag wiring diagram
*2	Only for vehicles with tire pressure monitoring

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Left front brake pad wear sensor, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, ABS indicator lamp, Brake system indicator lamp, ASR/ESP indicator lamp

F47	Brake pedal switch
G34	Left front brake pad wear sensor
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
K47	ABS indicator lamp
K118	Brake system indicator lamp
K155	ASR/ESP indicator lamp
T2y	Double connector
T4y	4-pin connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52b	52-pin connector
T52c	52-pin connector
U31	Diagnostic connection
402	Interior lighting ground connection (in interior wiring harness)
B379	Brake wear indicator connection 1 (in main wiring harness)
B380	Brake wear indicator connection 2 (in main wiring harness)
B382	Brake wear indicator connection 4 (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Parking brake indicator lamp switch, Brake fluid level warning switch, Warning buzzer and tone, Instrument cluster control module

F9	Parking brake indicator lamp switch
F34	Brake fluid level warning switch
H3	Warning buzzer and tone
J285	Instrument cluster control module
J400	Wiper motor control module
N280	A/C compressor regulator valve
T2m	Double connector
T2v	Double connector
T2w	Double connector
T4p	4-pin connector
T4t	4-pin connector
T32c	32-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-Lock Brake System (ABS) with EDL and ASR and ESP , (1AT),(1AS)

from July 2010

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Battery, Terminal 15 power supply relay, Vehicle electrical control module system

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SB4	Fuse 4 (on fuse panel B)
SB6	Fuse 6 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB25	Fuse 25 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T40	40-pin connector
T52b	52-pin connector
T52c	52-pin connector
1	Ground strap, battery to body
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	Depending on equipment
*2	Only for vehicles with tire pressure monitoring

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right rear ABS wheel speed sensor, Right front ABS wheel speed sensor, Left rear ABS wheel speed sensor, Left front ABS wheel speed sensor, ABS control module

F	Brake lamp switch
G44	Right rear ABS wheel speed sensor
G45	Right front ABS wheel speed sensor
G46	Left rear ABS wheel speed sensor
G47	Left front ABS wheel speed sensor
J104	ABS control module
J623	Engine control module
N133	Right rear ABS inlet valve
N134	Left rear ABS inlet valve
N225	Driving dynamics regulation switch valve 1
N226	Driving dynamics regulation switch valve 2
T4y	4-pin connector
T47	47-pin connector
B131	Connection 54 (in interior wiring harness)
B510	Right rear speed sensor connection 1 (in interior wiring harness)
B511	Right rear speed sensor connection 2 (in interior wiring harness)
B512	Left rear speed sensor connection 1 (in interior wiring harness)
B513	Left rear speed sensor connection 2 (in interior wiring harness)
D184	Left front speed sensor positive connection (in engine compartment wiring harness)
D185	Left front speed sensor negative connection (in engine compartment wiring harness)
*	Refer to applicable engine wiring diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vacuum sensor, ABS control module

G200	Transverse acceleration sensor
G202	Rotation rate sensor
G419	ESP sensor unit
G608	Vacuum sensor
J104	ABS control module
N135	Right rear ABS outlet valve
N136	Left rear ABS outlet valve
T47	47-pin connector
V64	ABS hydraulic pump
12	Ground connection in engine compartment, left
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
638	Ground connection on right A-pillar
652	Transmission/engine ground connection
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
*	Only for vehicles with a hydraulic brake booster

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

ASR/ESP button, Tire pressure monitoring display button, ABS control module

E1	Light switch
E229	Emergency flasher button
E256	ASR/ESP button
E492	Tire pressure monitoring display button
G201	Brake pressure sensor 1
J104	ABS control module
K216	ASR/ESP indicator lamp 2
L71	ASR switch illumination bulb
L76	Push button illumination bulb
N99	Right front ABS inlet valve
N100	Right front ABS outlet valve
N101	Left front ABS inlet valve
N102	Left front ABS outlet valve
N227	Driving dynamics regulation high pressure switch valve 1
N228	Driving dynamics regulation high pressure switch valve 2
T6ad	6-pin connector
T6an	6-pin connector
T6bq	6-pin connector
T10h	10-pin connector
T47	47-pin connector
372	Ground connection 7 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with tire pressure monitoring

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Steering angle sensor, Vehicle electrical control module system, Steering column electronics control module

F47	Brake pedal switch
G85	Steering angle sensor
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T4y	4-pin connector
T16p	16-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A23	Connection 30al (in instrument panel wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

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Left front brake pad wear sensor, Instrument cluster control module, Data bus on board diagnostic interface, Tire pressure monitoring display indicator lamp

G34	Left front brake pad wear sensor
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
K220	Tire pressure monitoring display indicator lamp
T2y	Double connector
T16	16-pin connector
T20	20-pin connector
T32c	32-pin connector
U31	Diagnostic connection
382	Ground connection 17 (in main wiring harness)
B379	Brake wear indicator connection 1 (in main wiring harness)
B380	Brake wear indicator connection 2 (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking brake indicator lamp switch, Brake fluid level warning switch, Warning buzzer and tone, Instrument cluster control module, ABS indicator lamp, Brake system indicator lamp, ASR/ESP indicator lamp

F9	Parking brake indicator lamp switch
F34	Brake fluid level warning switch
H3	Warning buzzer and tone
J285	Instrument cluster control module
J400	Wiper motor control module
K47	ABS indicator lamp
K118	Brake system indicator lamp
K155	ASR/ESP indicator lamp
T2v	Double connector
T2w	Double connector
T4p	4-pin connector
T32c	32-pin connector
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag Systems Driver and Front Passenger Thorax Airbag with Seat Belt Tensioner , (4UM),(4UT)

From July 2010

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Battery, Starter, Generator, Airbag Control Module, Terminal 15 Power Supply Relay, Vehicle Electrical System Control Module

A	Battery
B	Starter
C	Generator
J234	Airbag Control Module, In the Front Center Console
J329	Terminal 15 Power Supply Relay
J519	Vehicle Electrical System Control Module
J682	Terminal 50 Power Supply Relay
SA1	Fuse 1 (On Fuse Panel A)
SC3	Fuse 3 (On Fuse Panel C)
SC4	Fuse 4 (On Fuse Panel C)
SB7	Fuse 7 (On Fuse Panel B)
T9b	9-Pin Connector
T9i	9-Pin Connector
T40	40-Pin Connector
T52b	52-Pin Connector
T75	75-Pin Connector
1	Ground Cable, Battery to Body
12	Ground Connection in Engine/Motor Compartment, Left
367	Ground Connection 2 (in Main Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
652	Transmission/Engine Ground Connection
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A200	Positive Connection 5 (15a) (in Instrument Panel Wiring Harness)
*	From December 2010
*2	Depending on Equipment
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front Passenger Airbag Deactivation Key Switch, Airbag Spiral Spring/Return Spring with Slip Ring, Airbag Control Module, Front Passenger Airbag -Disabled- Indicator Lamp, Driver Airbag Igniter, Front Passenger Airbag Igniter 1

E224	Front Passenger Airbag Deactivation Key Switch	
F138	Airbag Spiral Spring/Return Spring with Slip Ring	
J234	Airbag Control Module, In the Front Center Console	
J527	Steering Column Electronics Control Module	
K145	Front Passenger Airbag -Disabled- Indicator Lamp	
N95	Driver Airbag Igniter	
N131	Front Passenger Airbag Igniter 1	
T3af	3-Pin Connector, Near the Front Passenger Airbag	
T4k	4-Pin Connector	
T6e	6-Pin Connector	
T10x	10-Pin Connector	
T12k	12-Pin Connector	
T75	75-Pin Connector	
109	Ground Connection (in Airbag Wiring Harness)	
A200	Positive Connection 5 (15a) (in Instrument Panel Wiring Harness)	

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver Thorax Airbag Crash Sensor, Front Passenger Thorax Airbag Crash Sensor, Driver Side Rear Thorax Airbag Crash Sensor, Passenger Side Rear Thorax Airbag Crash Sensor, Airbag Control Module, Driver Thorax Airbag Igniter, Front Passenger Thorax Airbag Igniter, Driver Head Curtain Airbag Igniter

G179	Driver Thorax Airbag Crash Sensor
G180	Front Passenger Thorax Airbag Crash Sensor
G256	Driver Side Rear Thorax Airbag Crash Sensor
G257	Passenger Side Rear Thorax Airbag Crash Sensor
J234	Airbag Control Module, In the Front Center Console
N199	Driver Thorax Airbag Igniter
N200	Front Passenger Thorax Airbag Igniter
N251	Driver Head Curtain Airbag Igniter
T2aw	2-Pin Connector, Behind the Left C-Pillar Trim Panel
T3k	3-Pin Connector, Under the Driver Seat
T3l	3-Pin Connector, Under the Front Passenger Seat
T28	28-Pin Connector, On the Left A-Pillar
T28a	28-Pin Connector, On the Right A-Pillar
T75	75-Pin Connector
109	Ground Connection (in Airbag Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver Belt Force Limiter, Front Passenger Belt Force Limiter, Airbag Control Module, Driver Seat Belt Tensioner Igniter 1, Passenger Side Rear Seat Belt Tensioner Igniter 1, Passenger Side Rear Thorax Airbag Igniter

G551	Driver Belt Force Limiter
G552	Front Passenger Belt Force Limiter
J234	Airbag Control Module, In the Front Center Console
N153	Driver Seat Belt Tensioner Igniter 1
N154	Front Passenger Seat Belt Tensioner Igniter 1
N197	Passenger Side Rear Seat Belt Tensioner Igniter
N201	Driver Side Rear Thorax Airbag Igniter
N202	Passenger Side Rear Thorax Airbag Igniter
T2au	2-Pin Connector
T2av	2-Pin Connector
T2gc	2-Pin Connector
T2gg	2-Pin Connector
T3s	3-Pin Connector, Behind the Left Rear Side Trim
T3t	3-Pin Connector, Behind the Right Rear Side Trim
T3v	3-Pin Connector, Behind the Right Rear Side Trim
T75	75-Pin Connector
109	Ground Connection (in Airbag Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Driver Seat Belt Switch, Front Passenger Seat Belt Switch, Passenger Seat Occupant Detection Sensor, Airbag Control Module, Driver Side Rear Seat Belt Tensioner Igniter, Front Passenger Head Curtain Airbag Igniter, Driver Knee Airbag Igniter

E24	Driver Seat Belt Switch
E25	Front Passenger Seat Belt Switch
G128	Passenger Seat Occupant Detection Sensor
J234	Airbag Control Module, In the Front Center Console
N196	Driver Side Rear Seat Belt Tensioner Igniter
N252	Front Passenger Head Curtain Airbag Igniter
N295	Driver Knee Airbag Igniter
T2ax	2-Pin Connector, Behind the Left C-Pillar Trim Panel
T2j	2-Pin Connector, Under the Driver Seat
T2k	2-Pin Connector, Under the Front Passenger Seat
T3u	3-Pin Connector, Behind the Left Rear Side Trim
T75	75-Pin Connector
109	Ground Connection (in Airbag Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Warning Buzzer and Tone, Airbag Control Module, Instrument Cluster Control Module, Vehicle Electrical System Control Module, Data Bus on Board Diagnostic Interface, Seat Belt Indicator Lamp, Airbag Indicator Lamp

G65	High Pressure Sensor
H3	Warning Buzzer and Tone
J104	ABS Control Module
J234	Airbag Control Module, In the Front Center Console
J285	Instrument Cluster Control Module
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
J533	Data Bus on Board Diagnostic Interface
K19	Seat Belt Indicator Lamp
K75	Airbag Indicator Lamp
T3c	3-Pin Connector
T16	16-Pin Connector
T16p	16-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
T47	47-Pin Connector
T52c	52-Pin Connector
T75	75-Pin Connector
U31	Diagnostic Connection
A20	Positive Connection 15a (in Instrument Panel Wiring Harness)
B383	Powertrain CAN Bus High Connection 1 (in Main Wiring Harness)
B390	Powertrain CAN Bus Low Connection 1 (in Main Wiring Harness)
B397	Comfort System CAN Bus, High Connection 1 (in Main Wiring Harness)
B406	Comfort System CAN Bus, Low Connection 1 (in Main Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Seat Occupant Detection System Pressure Sensor, Seat Occupant Detection System Seat Belt Force Sensor, Seat Occupant Detection System Control Module

G452	Seat Occupant Detection System Pressure Sensor
G453	Seat Occupant Detection System Seat Belt Force Sensor
J706	Seat Occupant Detection System Control Module
T3x	3-Pin Connector
T3z	3-Pin Connector
T10r	10-Pin Connector
T18e	18-Pin Connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag system without rear side airbag , (4X3)

from July 2010

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Battery, Airbag control module, Terminal 15 power supply relay, Front passenger airbag -disabled- indicator lamp

A	Battery
B	Starter
C	Generator
J234	Airbag control module, under the center console
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J682	Terminal 50 power supply relay
K145	Front passenger airbag -disabled- indicator lamp
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T50	50-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
*	from December 2010
*2	Depending on equipment
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag spiral spring/return spring with slip ring, Driver side airbag crash sensor, Front passenger side airbag crash sensor, Driver side rear side airbag crash sensor, Passenger side rear side airbag crash sensor, Airbag control module, Driver airbag igniter

F138	Airbag spiral spring/return spring with slip ring
G179	Driver side airbag crash sensor
G180	Front passenger side airbag crash sensor
G256	Driver side rear side airbag crash sensor
G257	Passenger side rear side airbag crash sensor
J234	Airbag control module, under the center console
J527	Steering column electronics control module
N95	Driver airbag igniter
T4k	4-pin connector
T10x	10-pin connector
T12k	12-pin connector
T16p	16-pin connector
T28	28-pin connector
T28a	28-pin connector
T50	50-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger airbag deactivation key switch, Airbag control module, Front passenger airbag igniter 1, Driver seat belt tensioner igniter 1, Front passenger seat belt tensioner igniter 1, Driver thorax airbag igniter

E224	Front passenger airbag deactivation key switch
J234	Airbag control module, under the center console
N131	Front passenger airbag igniter 1
N153	Driver seat belt tensioner igniter 1
N154	Front passenger seat belt tensioner igniter 1
N199	Driver thorax airbag igniter
T2au	Double connector
T2av	Double connector
T3af	3-pin connector
T3k	3-pin connector
T6e	6-pin connector
T50	50-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat belt switch, Front passenger seat belt switch, Front passenger seat occupant sensor, Airbag control module, Data bus on board diagnostic interface, Front passenger thorax airbag igniter, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
G128	Front passenger seat occupant sensor
J104	ABS control module
J234	Airbag control module, under the center console
J533	Data bus on board diagnostic interface
N200	Front passenger thorax airbag igniter
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T2aw	Double connector
T2ax	Double connector
T2j	Double connector
T2k	Double connector
T3l	3-pin connector
T16p	16-pin connector
T20	20-pin connector
T47	47-pin connector
T50	50-pin connector
109	Ground connection (in airbag wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Diagnostic connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument cluster control module, Vehicle electrical system control module, Data bus on board diagnostic interface, Airbag indicator lamp

J285	Instrument cluster control module
J519	Vehicle electrical system control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K75	Airbag indicator lamp
T16p	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52b	52-pin connector
T52c	52-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag systems with rear side airbag , (4X4)

from July 2010

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Battery, Starter, Generator, Airbag control module, Terminal 15 power supply relay

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J234	Airbag control module
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC3	Fuse 3 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T75	75-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
109	Ground connection (in airbag wiring harness)
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	from December 2010
*2	Depending on equipment
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat belt switch, Front passenger seat belt switch, Airbag spiral spring/return spring with slip ring, Airbag control module, Driver airbag igniter

E24	Driver seat belt switch
E25	Front passenger seat belt switch
F138	Airbag spiral spring/return spring with slip ring
J234	Airbag control module
J527	Steering column electronics control module
K145	Front passenger airbag -disabled- indicator lamp
N95	Driver airbag igniter
T2aa	Double connector
T2ab	Double connector
T2j	Double connector
T2k	Double connector
T4k	4-pin connector
T12k	12-pin connector
T75	75-pin connector
(109)	Ground connection (in airbag wiring harness)
(A200)	Positive connection 5 (15a) (in instrument panel wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Driver thorax airbag crash sensor, Front passenger thorax airbag crash sensor, Driver side rear thorax airbag crash sensor, Passenger side rear thorax airbag crash sensor, Driver front airbag crash sensor, Passenger side front airbag crash sensor, Driver seat position sensor, Airbag control module

G179	Driver thorax airbag crash sensor
G180	Front passenger thorax airbag crash sensor
G256	Driver side rear thorax airbag crash sensor
G257	Passenger side rear thorax airbag crash sensor
G283	Driver front airbag crash sensor
G284	Passenger side front airbag crash sensor
G553	Driver seat position sensor
J234	Airbag control module
T3as	3-pin connector
T16	16-pin connector
T28	28-pin connector
T28a	28-pin connector
T75	75-pin connector
U31	Diagnostic connection
109	Ground connection (in airbag wiring harness)

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Passenger occupant detection system pressure sensor, Passenger occupant detection system seat belt force sensor, Airbag control module, Passenger occupant detection system control module, Front passenger thorax airbag igniter

G452	Passenger occupant detection system pressure sensor
G453	Passenger occupant detection system seat belt force sensor
J234	Airbag control module
J706	Passenger occupant detection system control module
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
T3k	3-pin connector
T3l	3-pin connector
T3s	3-pin connector
T3x	3-pin connector
T3z	3-pin connector
T10r	10-pin connector
T18e	18-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Airbag control module, Front passenger airbag igniter 1, Front passenger airbag igniter 2, Driver seat belt tensioner igniter 1, Driver side rear seat belt tensioner igniter, Passenger side rear seat belt tensioner igniter, Passenger side rear thorax airbag igniter

J234	Airbag control module
N131	Front passenger airbag igniter 1
N132	Front passenger airbag igniter 2
N153	Driver seat belt tensioner igniter 1
N196	Driver side rear seat belt tensioner igniter
N197	Passenger side rear seat belt tensioner igniter
N202	Passenger side rear thorax airbag igniter
T3t	3-pin connector
T3u	3-pin connector
T3v	3-pin connector
T5i	5-pin connector
T5t	5-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Instrument cluster control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Airbag indicator lamp, Driver head curtain airbag igniter, Front passenger head curtain airbag igniter

J104	ABS control module
J234	Airbag control module
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K75	Airbag indicator lamp
N154	Front passenger seat belt tensioner igniter 1
N251	Driver head curtain airbag igniter
N252	Front passenger head curtain airbag igniter
T2av	Double connector
T2aw	Double connector
T2ax	Double connector
T16p	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Auxiliary air heater (PTC) , (7E6)

from July 2010

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Low heat output relay, High heat output relay, Auxiliary heater heating element

A	Battery
J359	Low heat output relay
J360	High heat output relay
J623	Engine control module
SA4	Fuse 4 (on fuse panel A)
SA6	Fuse 6 (on fuse panel A)
T3am	3-pin connector
T7	7-pin connector
T9j	9-pin connector
T94	94-pin connector
Z35	Auxiliary heater heating element
(507)	Terminal 30 threaded connection (on battery fuse holder)
(A99)	Connection 87 (in instrument panel wiring harness) 1
(A176)	Auxiliary heater connection (in instrument panel wiring harness)
(D183)	Connection 4 (87a) (in engine compartment wiring harness)
*	Only for vehicles with gasoline engine
*2	6.0/10.0 diameter possible
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heater control module, Terminal 30 power supply relay

J162	Heater control module
J271	Motronic engine control module power supply relay
J317	Terminal 30 power supply relay
J623	Engine control module
SB10	Fuse 10 (on fuse panel B)
SB15	Fuse 15 (on fuse panel B)
SB24	Fuse 24 (on fuse panel B)
T20c	20-pin connector
T40	40-pin connector
T94	94-pin connector
44	Ground connection on A-pillar, lower left
A99	Connection 87 (in instrument panel wiring harness) 1
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
D183	Connection 4 (87a) (in engine compartment wiring harness)
*	Depending on equipment
*2	6.0/10.0 diameter possible
*3	Only for vehicles with gasoline engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Auxiliary heater for vehicles with Climatic , (KH6)

from July 2010

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Battery, Auxiliary heater operation relay, Fuse 5 (on fuse panel A), Fuse panel B, Fuse panel C

A	Battery
J9	Rear window defogger relay
J485	Auxiliary heater operation relay
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB7	Fuse 7 (on fuse panel B)
SB11	Fuse 11 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
SC	Fuse panel C
SC14	Fuse 14 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T40	40-pin connector
1	Ground strap, battery to body
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B315	Positive connection 1 (30a) (in main wiring harness)
*	Depending on equipment
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fresh air blower relay, Auxiliary heater control module, Vehicle electrical control module system, Terminal 75 power supply relay 1, Terminal 15 power supply relay 2, Heater coolant shut-off valve, Fuse panel C

J13	Fresh air blower relay
J364	Auxiliary heater control module
J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
J681	Terminal 15 power supply relay 2
J682	Terminal 50 power supply relay
N279	Heater coolant shut-off valve
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T2g	Double connector
T8j	8-pin connector
T9b	9-pin connector
T9i	9-pin connector
T9m	9-pin connector
T16p	16-pin connector
T52b	52-pin connector
378	Ground connection 13 (in main wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
*	Depending on equipment
*2	Diagnostic connector
*3	Through December 2010
*4	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Temperature sensor, Auxiliary heater control module, Glow plug with flame monitoring, Combustion air blower, Recirculation pump

G18	Temperature sensor
J364	Auxiliary heater control module
Q8	Glow plug with flame monitoring
T2g	Double connector
T2k	Double connector
T3z	3-pin connector
T8j	8-pin connector
T8u	8-pin connector
V6	Combustion air blower
V55	Recirculation pump
Z66	Fuel preheating element
378	Ground connection 13 (in main wiring harness)
656	Ground connection on right headlamp
*	Only for vehicles with gasoline engine
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Overheat sensor, Auxiliary heater control module, GPS antenna, Antenna splitter, Auxiliary engine coolant heater radio frequency receiver, Auxiliary heater antenna, Metering pump

G189	Overheat sensor
J364	Auxiliary heater control module
J503	Radio/navigation display unit control module
R	Radio
R50	GPS antenna
R54	Cellular telephone
R87	Antenna splitter
R149	Auxiliary engine coolant heater radio frequency receiver
R182	Auxiliary heater antenna
T1g	Single connector, near the roof antenna
T1h	Single connector, near the roof antenna
T6j	6-pin connector
T8j	8-pin connector
T8u	8-pin connector
T16b	16-pin connector
V54	Metering pump
86	Ground connection 1 (in rear wiring harness)
663	Ground connection in right rear side panel
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Multifunction indicator selection switch, Trip computer reset button, Instrument cluster control module, A/C control module, Steering column electronics control module, Data bus on board diagnostic interface

E86	Multifunction indicator selection switch
E92	Trip computer reset button
E537	Immediate heating button
J285	Instrument cluster control module
J301	A/C control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
N24	Fresh air blower series resistor with fuse
T4r	4-pin connector
T5	5-pin connector
T10k	10-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
T32c	32-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
*	Programmable timer mode select button for auxiliary heater operation

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Instrument Cluster

From July 2010

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Vehicle Electrical System Control Module

A	Battery
C	Generator
J400	Wiper Motor Control Module
J519	Vehicle Electrical System Control Module
J527	Steering Column Electronics Control Module
SA1	Fuse 1 (On Fuse Panel A)
SA5	Fuse 5 (On Fuse Panel A)
SB6	Fuse 6 (On Fuse Panel B)
SB7	Fuse 7 (On Fuse Panel B)
SB16	Fuse 16 (On Fuse Panel B)
SB19	Fuse 19 (On Fuse Panel B)
SB26	Fuse 26 (On Fuse Panel B)
T4p	4-Pin Connector
T16p	16-Pin Connector
T40	40-Pin Connector
T52a	52-Pin Connector
T52c	52-Pin Connector
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
A23	Connection 30al (in Instrument Panel Wiring Harness)
*	Depending on Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 Power Supply Relay, Vehicle Electrical System Control Module

G65	High Pressure Sensor
J329	Terminal 15 Power Supply Relay
J519	Vehicle Electrical System Control Module
J682	Terminal 50 Power Supply Relay
SC2	Fuse 2 (On Fuse Panel C)
SC4	Fuse 4 (On Fuse Panel C)
T3c	3-Pin Connector
T9b	9-Pin Connector
T9i	9-Pin Connector
T52b	52-Pin Connector
T52c	52-Pin Connector
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A20	Positive Connection 15a (in Instrument Panel Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Anti-Theft Immobilizer Reader Coil, Anti-Theft Immobilizer Control Module, Data Bus on Board Diagnostic Interface, Instrument Cluster, High Beam Indicator Lamp, Lamp Failure Indicator Lamp

D2	Anti-Theft Immobilizer Reader Coil
G	Fuel Level Sensor
G6	Transfer Fuel Pump
J285	Instrument Cluster Control Module
J362	Anti-Theft Immobilizer Control Module
J533	Data Bus on Board Diagnostic Interface
J538	Fuel Pump Control Module
K	Instrument Cluster
K1	High Beam Indicator Lamp
K47	ABS Indicator Lamp
K75	Airbag Indicator Lamp
K132	Electronic Power Control Malfunction Indicator Lamp
K155	ASR/ESP Indicator Lamp
K169	Shift Lock Indicator Lamp
K170	Lamp Failure Indicator Lamp
T2x	2-Pin Connector
T5b	5-Pin Connector
T10v	10-Pin Connector
T20	20-Pin Connector
T32c	32-Pin Connector
(A199)	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
*	Refer to Applicable Engine Wiring Diagram

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Oil Pressure Switch, Brake Fluid Level Warning Switch, Tachometer, Speedometer, Left Front Brake Pad Wear Sensor, Instrument Cluster, Door Ajar Indicator Lamp

F	Brake Lamp Switch
F1	Oil Pressure Switch
F34	Brake Fluid Level Warning Switch
G5	Tachometer
G21	Speedometer
G34	Left Front Brake Pad Wear Sensor
G65	High Pressure Sensor
J285	Instrument Cluster Control Module
J400	Wiper Motor Control Module
K	Instrument Cluster
K2	Generator Indicator Lamp
K31	Cruise Control Indicator Lamp
K65	Indicator Lamp for Left Turn Signal
K94	Right Turn Signal Indicator Lamp
K149	Engine Electronics Indicator Lamp
K161	Electromechanical Power Steering Indicator Lamp
K166	Door Ajar Indicator Lamp
M33	Left Front Side Marker Lamp Bulb
T2v	2-Pin Connector
T2y	2-Pin Connector
T3c	3-Pin Connector
T4p	4-Pin Connector
T4y	4-Pin Connector
T14a	14-Pin Connector
T32c	32-Pin Connector
376	Ground Connection 11 (in Main Wiring Harness)
381	Ground Connection 16 (in Main Wiring Harness)
402	Interior Lighting Ground Connection (in Interior Wiring Harness)
655	Ground Connection on Left Headlamp
*	Depending on Equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking Brake Indicator Lamp Switch, Outside Air Temperature Sensor, Engine Coolant Level Sensor, Windshield Washer Fluid Level Sensor, Instrument Cluster, Malfunction Indicator Lamp, Daytime Running Lamp Indicator Lamp

E1	Light Switch
F9	Parking Brake Indicator Lamp Switch
G3	Engine Coolant Temperature Gauge
G17	Outside Air Temperature Sensor
G32	Engine Coolant Level Sensor
G33	Windshield Washer Fluid Level Sensor
H3	Warning Buzzer and Tone
J285	Instrument Cluster Control Module
K	Instrument Cluster
K13	Rear Fog Lamp Indicator Lamp
K83	Malfunction Indicator Lamp
K105	Low Fuel Level Indicator Lamp
K171	Hood -Open- Indicator Lamp
K201	Fuel Filler Door Lock Indicator Lamp
K205	Daytime Running Lamp Indicator Lamp
K220	Tire Pressure Monitoring Display Indicator Lamp
T2w	2-Pin Connector
T2z	2-Pin Connector
T10h	10-Pin Connector
T16	16-Pin Connector
T32c	32-Pin Connector
U31	Diagnostic Connection
W6	Glove Compartment Lamp
47	Ground Connection in Right Front Footwell
372	Ground Connection 7 (in Main Wiring Harness)
375	Ground Connection 10 (in Main Wiring Harness)
382	Ground Connection 17 (in Main Wiring Harness)
410	Sensor Ground Connection 1 (in Main Wiring Harness)
*	Depending on Equipment
*2	For Vehicles with Diesel Engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Fuel Level Sensor 2, Instrument Cluster

G	Fuel Level Sensor
G1	Fuel Gauge
G6	Transfer Fuel Pump
G169	Fuel Level Sensor 2
G266	Oil Level Thermal Sensor
J285	Instrument Cluster Control Module
J538	Fuel Pump Control Module
K	Instrument Cluster
K3	Oil Pressure Indicator Lamp
K19	Seat Belt Indicator Lamp
K28	Engine Coolant Level/Temperature Indicator Lamp
K29	Glow Plug Indicator Lamp
K32	Brake Pad Wear Indicator Lamp
K37	Windshield Washer Fluid Level Indicator Lamp
K38	Oil Level Indicator Lamp
K115	Anti-Theft Immobilizer System Indicator Lamp
K118	Brake System Indicator Lamp
T3h	3-Pin Connector
T5b	5-Pin Connector
T6z	6-Pin Connector
T10v	10-Pin Connector
T32c	32-Pin Connector
367	Ground Connection 2 (in Main Wiring Harness)
602	Ground Connection in Left Front Footwell
*	Refer to Applicable Engine Wiring Diagram
*2	Depending on Equipment
*3	For Vehicles with Diesel Engine

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical system control module (NAR)

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Fuse panel A, Fuse panel C

A	Battery
C	Generator
F189	tiptronic switch
J217	Transmission control module
J301	A/C control module
J682	Terminal 50 power supply relay
SA	Fuse panel A
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC2	Fuse 2 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
SC15	Fuse 15 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SC41	Fuse 41 (on fuse panel C)
T9b	9-pin connector
T10s	10-pin connector
T20c	20-pin connector
T52	52-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	from December 2010
*2	Depending on equipment
*3	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 power supply relay, Vehicle electrical control module system, Fuse panel B

J329	Terminal 15 power supply relay
J400	Wiper motor control module
J519	Vehicle electrical control module system
SB	Fuse panel B
SB3	Fuse 3 (on fuse panel B)
SB7	Fuse 7 (on fuse panel B)
SB16	Fuse 16 (on fuse panel B)
SB19	Fuse 19 (on fuse panel B)
SB26	Fuse 26 (on fuse panel B)
SB30	Fuse 30 (on fuse panel B)
T4p	4-pin connector
T9i	9-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Left front fog lamp bulb

J519	Vehicle electrical control module system
J623	Engine control module
J682	Terminal 50 power supply relay
L22	Left front fog lamp bulb
T3ba	3-pin connector
T4t	4-pin connector
T9b	9-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T94	94-pin connector
U11	Interior socket, 230 V, 110 V
W31	Left front entry lamp
W32	Right front entry lamp
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
376	Ground connection 11 (in main wiring harness)
A17	Connection 61 (in instrument panel wiring harness)
A41	Positive connection (50) (in instrument panel wiring harness)
R56	Entry lamp connection (in driver door wiring harness)
*	from July 2011
*2	Through December 2010
*3	from December 2010
*4	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Right front fog lamp bulb, Left daytime running lamp bulb, Right daytime running lamp bulb, Left position lamp bulb, Right position lamp bulb, Left front turn signal bulb, Right front turn signal bulb, Left low beam headlamp bulb, Left high beam headlamp bulb, Right low beam headlamp bulb, Right high beam headlamp bulb

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

J519	Vehicle electrical control module system
L23	Right front fog lamp bulb
L174	Left daytime running lamp bulb
L175	Right daytime running lamp bulb
M1	Left position lamp bulb
M3	Right position lamp bulb
M5	Left front turn signal bulb
M7	Right front turn signal bulb
M29	Left low beam headlamp bulb
M30	Left high beam headlamp bulb
M31	Right low beam headlamp bulb
M32	Right high beam headlamp bulb
M33	Left front side marker lamp bulb
T10i	10-pin connector
T10j	10-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
A84	Connection 58L (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
*	Only for vehicles without headlamp range control
*2	Through June 2011
*3	from December 2010

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Instrument panel and switch illumination dimmer switch, Dual tone horn relay, Vehicle electrical control module system, Front seat heating control module, Left position lamp bulb, Left front turn signal bulb

E20	Instrument panel and switch illumination dimmer switch
J4	Dual tone horn relay
J519	Vehicle electrical control module system
J774	Front seat heating control module
M1	Left position lamp bulb
M5	Left front turn signal bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
T8e	8-pin connector
T8v	8-pin connector
T10a	10-pin connector
T14c	14-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
(A84)	Connection 58L (in instrument panel wiring harness)
(A85)	Connection 58R (in instrument panel wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Through June 2011
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Right position lamp bulb, Left tail lamp bulb, Left rear turn signal bulb, Right front turn signal bulb, Left brake lamp bulb, Left back-up lamp bulb

J519	Vehicle electrical control module system
M3	Right position lamp bulb
M4	Left tail lamp bulb
M6	Left rear turn signal bulb
M7	Right front turn signal bulb
M9	Left brake lamp bulb
M16	Left back-up lamp bulb
M34	Right front side marker lamp bulb
T5o	5-pin connector
T14d	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
369	Ground connection 4 (in main wiring harness)
662	Ground connection in left rear side panel
A85	Connection 58R (in instrument panel wiring harness)
*	Depending on equipment
*2	Through June 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Light switch, Fog lamp switch, Vehicle electrical control module system

E1	Light switch
E7	Fog lamp switch
E256	ASR/ESP button
J519	Vehicle electrical control module system
L9	Headlamp switch illumination bulb
T3g	3-pin connector
T6ad	6-pin connector
T6b	6-pin connector
T10h	10-pin connector
T16	16-pin connector
T52a	52-pin connector
T52b	52-pin connector
U1	Cigarette lighter
U31	Diagnostic connection
W1	Front interior lamp
372	Ground connection 7 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Terminal 75 power supply relay 1, Right tail lamp bulb, Right rear turn signal bulb, Right brake lamp bulb, Right back-up lamp bulb, Rear window wiper motor, Windshield and rear window washer pump

J519	Vehicle electrical control module system
J680	Terminal 75 power supply relay 1
M2	Right tail lamp bulb
M8	Right rear turn signal bulb
M10	Right brake lamp bulb
M17	Right back-up lamp bulb
T4bv	4-pin connector
T5n	5-pin connector
T7a	7-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V12	Rear window wiper motor
V59	Windshield and rear window washer pump
51	Ground connection in luggage compartment, right
B183	Windshield washer pump connection 1 (in interior wiring harness)
B184	Windshield washer pump connection 2 (in interior wiring harness)
*	from December 2010
*2	Through December 2010

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Release button in rear lid handle, Luggage compartment lamp switch, Rear lid lock/alarm/central locking switch, Rear lid lock unit, Wiper motor control module, Vehicle electrical control module system, High-mounted brake lamp bulb, Rear lid opening motor, License plate lamp

E234	Release button in rear lid handle
F5	Luggage compartment lamp switch
F124	Rear lid lock/alarm/central locking switch
F256	Rear lid lock unit
J400	Wiper motor control module
J519	Vehicle electrical control module system
M25	High-mounted brake lamp bulb
T4f	4-pin connector
T4p	4-pin connector
T17	17-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V254	Rear lid opening motor
X	License plate lamp
195	Ground connection (in rear door contact switch wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
W41	Positive connection (58) (in license plate lamp wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Glove compartment lamp switch, Brake fluid level warning switch, Engine hood contact switch, Vehicle electrical control module system, Steering column electronics control module, Luggage compartment lamp, Left washer nozzle heater, Right washer nozzle heater

E26	Glove compartment lamp switch
F34	Brake fluid level warning switch
F266	Engine hood contact switch
J519	Vehicle electrical control module system
J527	Steering column electronics control module
T2a	Double connector
T2t	Double connector
T2u	Double connector
T2v	Double connector
T16p	16-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
W3	Luggage compartment lamp
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
381	Ground connection 16 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
C53	Positive connection (x) (in heated spray nozzle wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Emergency flasher button, Brake lamp switch, Back-up lamp switch, Fuel pump relay 2, ABS control module, Vehicle electrical control module system, Front interior lamp

E229	Emergency flasher button
F	Brake lamp switch
F4	Back-up lamp switch
G65	High pressure sensor
J39	Headlamp washer relay
J49	Fuel pump relay 2
J104	ABS control module
J519	Vehicle electrical control module system
K6	Emergency flasher indicator lamp
T3c	3-pin connector
T4y	4-pin connector
T6b	6-pin connector
T6bq	6-pin connector
T47	47-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
W1	Front interior lamp
A20	Positive connection 15a (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Dual tone horn relay, Vehicle electrical control module system, Data bus on board diagnostic interface, Fuel filler door unlock motor

F125	Multifunction transmission range switch
G476	Clutch position sensor
J4	Dual tone horn relay
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
J743	DSG transmission Mechatronic
T2n	Double connector
T5m	5-pin connector
T10n	10-pin connector
T20	20-pin connector
T20e	20-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
V155	Fuel filler door unlock motor
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Depending on equipment
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Alarm horn, Rear window defogger relay, Vehicle electrical control module system, Driver side rear door control module, Passenger side rear door control module

H12	Alarm horn
J9	Rear window defogger relay
J285	Instrument cluster control module
J519	Vehicle electrical control module system
J926	Driver side rear door control module
J927	Passenger side rear door control module
T2ae	Double connector
T9n	9-pin connector
T18b	18-pin connector
T18c	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
T32c	32-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
*	from July 2011
*2	from December 2010
*3	Through June 2011
*4	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Network (CAN, LIN) bus system

from July 2010

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Battery, Fuse panel C

A	Battery
B	Starter
C	Generator
E1	Light switch
G70	Mass airflow sensor
J9	Rear window defogger relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC2	Fuse 2 (on fuse panel C)
SC13	Fuse 13 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T3ar	3-pin connector
T9n	9-pin connector
T10h	10-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Transmission control module, Terminal 15 power supply relay, Data bus on board diagnostic interface

J217	Transmission control module
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J533	Data bus on board diagnostic interface
J623	Engine control module
J682	Terminal 50 power supply relay
J743	Dual-clutch transmission Mechatronic
SB7	Fuse 7 (on fuse panel B)
SB12	Fuse 12 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T20	20-pin connector
T20e	20-pin connector
T32c	32-pin connector
T40	40-pin connector
T52	52-pin connector
T121	121-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A76	KS-diagnostic lead connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rain/light recognition sensor, Driver door control module, Front passenger door control module, Wiper motor control module, Vehicle electrical system control module, Data bus on board diagnostic interface, Driver side rear door control module, Passenger side rear door control module, Diagnostic connection

G397	Rain/light recognition sensor
J234	Airbag control module
J386	Driver door control module
J387	Front passenger door control module
J400	Wiper motor control module
J519	Vehicle electrical system control module
J533	Data bus on board diagnostic interface
J926	Driver side rear door control module
J927	Passenger side rear door control module
T3ae	3-pin connector
T4p	4-pin connector
T16	16-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20	20-pin connector
T20a	20-pin connector
T20b	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T50	50-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
U31	Diagnostic connection
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
B528	LIN bus connection 1 (in main wiring harness)
*	Only for vehicles without thorax airbag
*2	Only for vehicles with thorax airbags

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Airbag control module, Engine control module

J104	ABS control module
J234	Airbag control module
J431	Headlamp range control module
J446	Parking aid control module
J500	Power steering control module
J623	Engine control module
T3ao	3-pin connector
T6z	6-pin connector
T16m	16-pin connector
T26a	26-pin connector
T26c	26-pin connector
T47	47-pin connector
T50	50-pin connector
T75	75-pin connector
T121	121-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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tiptronic switch, Transmission control module, Engine control module, Dual-clutch transmission Mechatronic

F189	tiptronic switch
J217	Transmission control module
J446	Parking aid control module
J587	Selector lever sensor system control module
J623	Engine control module
J743	Dual-clutch transmission Mechatronic
T10dq	10-pin connector
T16m	16-pin connector
T20e	20-pin connector
T25	25-pin connector
T28	28-pin connector
T52	52-pin connector
T81	81-pin connector
T94	94-pin connector
T121	121-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with dual-clutch transmission 02E
*2	Only for vehicles with dual-clutch transmission 0AM
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Climatronic control module, A/C control module, Towing recognition control module, Driver door control module, Front passenger door control module, Steering column electronics control module

J255	Climatronic control module
J301	A/C control module
J345	Towing recognition control module
J386	Driver door control module
J387	Front passenger door control module
J527	Steering column electronics control module
J623	Engine control module
T2ak	2-pin connector
T12h	12-pin connector
T16p	16-pin connector
T20a	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T28	28-pin connector, on the left A-pillar
T28a	28-pin connector, on the right A-pillar
T81	81-pin connector
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Auxiliary heater control module, Cell phone operating electronics control module, Radio/navigation display unit control module, Digital sound system control module, Vehicle location recognition control module, Multimedia system control module, Radio

J364	Auxiliary heater control module
J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J525	Digital sound system control module
J603	Vehicle location recognition control module
J650	Multimedia system control module
R	Radio
R146	Radio system, satellite
T8f	8-pin connector
T8h	8-pin connector
T8j	8-pin connector
T12m	12-pin connector
T16b	16-pin connector
T38	38-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Power steering , (1N5)

from July 2010

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Battery, Terminal 15 power supply relay, Vehicle electrical control module system

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
SA1	Fuse 1 (on fuse panel A)
SA2	Fuse 2 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Steering angle sensor, Steering torque sensor, Power steering control module, Electromechanical power steering motor, Powertrain CAN bus low connection 1 (in main wiring harness)

G85	Steering angle sensor
G269	Steering torque sensor
J500	Power steering control module
J533	Data bus on board diagnostic interface
J623	Engine control module
J682	Terminal 50 power supply relay
SC2	Fuse 2 (on fuse panel C)
T2l	Double connector
T3ao	3-pin connector
T4ae	4-pin connector
T5g	5-pin connector
T6z	6-pin connector
T9b	9-pin connector
T20	20-pin connector
T94	94-pin connector
V187	Electromechanical power steering motor
640	Ground connection 2 in engine compartment, left
A2	Positive connection (15) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Electromechanical power steering , (1N3)

from July 2010

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Battery, Instrument cluster control module, Terminal 15 power supply relay, Vehicle electrical system control module

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SA2	Fuse 2 (on fuse panel A)
SC2	Fuse 2 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A2	Positive connection (15) (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Steering torque sensor, Instrument cluster control module, Power steering control module, Data bus on board diagnostic interface, Electromechanical power steering motor

G269	Steering torque sensor
J285	Instrument cluster control module
J500	Power steering control module
J533	Data bus on board diagnostic interface
J623	Engine control module
T2l	Double connector
T3ao	3-pin connector
T4ae	4-pin connector
T5g	5-pin connector
T6z	6-pin connector
T20	20-pin connector
T32c	32-pin connector
T94	94-pin connector
V187	Electromechanical power steering motor
640	Ground connection 2 in engine compartment, left
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Sunroof, Panorama , (3FU)

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Battery, Instrument Cluster Control Module, Terminal 15 Power Supply Relay, Vehicle Electrical System Control Module

A	Battery
B	Starter
C	Generator
J285	Instrument Cluster Control Module
J329	Terminal 15 Power Supply Relay
J519	Vehicle Electrical System Control Module
J682	Terminal 50 Power Supply Relay
SA1	Fuse 1 (On Fuse Panel A)
SB	Fuse Panel B
SB7	Fuse 7 (On Fuse Panel B)
SB29	Fuse 29 (On Fuse Panel B)
SC33	Fuse 33 (On Fuse Panel C)
SC39	Fuse 39 (On Fuse Panel C)
T1	1-Pin Connector
T9b	9-Pin Connector
T9i	9-Pin Connector
T32c	32-Pin Connector
T40	40-Pin Connector
T52b	52-Pin Connector
1	Ground Cable, Battery to Body
12	Ground Connection in Engine/Motor Compartment, Left
367	Ground Connection 2 (in Main Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
652	Transmission/Engine Ground Connection
A2	Positive Connection (15) (in Instrument Panel Wiring Harness)
A98	Positive Connection 4 (30) (in Instrument Panel Wiring Harness)
*	Depending on Equipment

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Sunroof Adjustment Regulator, Sunroof Tilt Button 1, Roof Shade Button 1, Sunroof Control Module, Roof Shade Control Module, Vehicle Electrical System Control Module, Sunroof Motor, Sunroof Shade Motor

E1	Light Switch
E139	Sunroof Adjustment Regulator
E582	Sunroof Tilt Button 1
E584	Roof Shade Button 1
J245	Sunroof Control Module
J394	Roof Shade Control Module
J519	Vehicle Electrical System Control Module
L76	Push Button Illumination Bulb
T6c	6-Pin Connector, Near the Interior Lamp
T10h	10-Pin Connector
T52a	52-Pin Connector
T52b	52-Pin Connector
V1	Sunroof Motor
V260	Sunroof Shade Motor
178	Ground Connection (in Sunroof Wiring Harness)
602	Ground Connection in Left Front Footwell
B238	Positive Connection 2 (58b) (in Interior Wiring Harness)
B577	LIN Bus Connection (in Roof Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle Electrical System Control Module 2

F47	Brake Pedal Switch
J520	Vehicle Electrical System Control Module 2
J533	Data Bus on Board Diagnostic Interface
SC2	Fuse 2 (On Fuse Panel C)
T4y	4-Pin Connector
T6c	6-Pin Connector, Near the Interior Lamp
T16	16-Pin Connector
T20	20-Pin Connector
U31	Diagnostic Connection
47	Ground Connection in Right Front Footwell
375	Ground Connection 10 (in Main Wiring Harness)
382	Ground Connection 17 (in Main Wiring Harness)
A199	Positive Connection 4 (15a) (in Instrument Panel Wiring Harness)
B577	LIN Bus Connection (in Roof Wiring Harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Heated seats , (4A3)

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Battery, Terminal 15 power supply relay, Vehicle electrical system control module, Fuse 4 (on fuse panel C), Fuse 7 (on fuse panel B), Fuse 29 (on fuse panel B), Fuse 37 (on fuse panel C)

A	Battery
B	Starter
C	Generator
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
SB29	Fuse 29 (on fuse panel B)
SC37	Fuse 37 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)
*	Refer to applicable seat adjustment wiring diagram
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated driver seat temperature sensor, Front seat heating control module, Driver backrest heating element, Driver seat bolster heater

G59	Heated driver seat temperature sensor
J774	Front seat heating control module
T2d	Double connector, under the driver seat
T4l	4-pin connector, under the driver seat
T8v	8-pin connector
T10a	10-pin connector, under the driver seat
Z6	Driver seat heating element
Z7	Driver backrest heating element
Z31	Driver seat bolster heater
96	Ground connection 1 (in heated seats wiring harness)
136	Ground connection 2 (in heated seats wiring harness)
M44	Connection 4 (in driver seat wiring harness)
M45	Connection 5 (in driver seat wiring harness)
O4	Positive connection (30as) (in heated seats wiring harness)
O13	Connection 2 (in heated seats wiring harness)
*	The color of the wires depends on vehicle equipment
*2	1.5 diameter possible

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger heated seat temperature sensor, Front passenger backrest heating element, Front passenger seat bolster heater

G60	Front passenger heated seat temperature sensor
T2e	Double connector, under the front passenger seat
T4m	4-pin connector, under the front passenger seat
T10a	10-pin connector, under the driver seat
T10b	10-pin connector, under the front passenger seat
Z8	Front passenger seat heating element
Z9	Front passenger backrest heating element
Z33	Front passenger seat bolster heater
95	Ground connection 1 (in seat adjustment wiring harness)
96	Ground connection 1 (in heated seats wiring harness)
145	Ground connection 3 (in heated seats wiring harness)
318	Ground connection 4 (in heated seats wiring harness)
602	Ground connection in left front footwell
B431	Seat heating connection (in main wiring harness)
M54	Connection 4 (in front passenger seat wiring harness)
Q14	Lock-out switch connection (in power window/central locking system and door contact switch wiring harness)
*	Only for vehicles with adjustable seats
*2	The color of the wires depends on vehicle equipment
*3	Only for vehicles without adjustable seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Heated driver seat adjuster, Heated front passenger seat adjuster

E94	Heated driver seat adjuster
E95	Heated front passenger seat adjuster
G65	High pressure sensor
J255	Climatronic control module
J301	A/C control module
T3c	3-pin connector
T10a	10-pin connector, under the driver seat
T10b	10-pin connector
T20c	20-pin connector
47	Ground connection in right front footwell
A20	Positive connection 15a (in instrument panel wiring harness)
B431	Seat heating connection (in main wiring harness)
*	Only for vehicles with Climatic
*2	Only for vehicles with Climatronic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Seat lumbar adjustment with manual seats , (7P7)

from July 2010

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Battery, Driver seat lumbar support adjustment switch, Driver seat lumbar support curvature adjustment motor, Driver seat lumbar support height adjustment motor

A	Battery
B	Starter
C	Generator
E176	Driver seat lumbar support adjustment switch
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC34	Fuse 34 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T4ab	4-pin connector
T6ah	6-pin connector
T10a	10-pin connector, under the driver seat
T40	40-pin connector
V125	Driver seat lumbar support curvature adjustment motor
V129	Driver seat lumbar support height adjustment motor
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
96	Ground connection 1 (in heated seats wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A98	Positive connection 4 (30) (in instrument panel wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Depending on equipment
*3	Only for vehicles without heated seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger seat lumbar support adjustment switch, Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
T2d	Double connector
T2e	Double connector
T4s	4-pin connector
T6ai	6-pin connector
T10b	10-pin connector, under the front passenger seat
V126	Front passenger seat lumbar support curvature adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
Z7	Driver backrest heating element
Z9	Front passenger backrest heating element
47	Ground connection in right front footwell
145	Ground connection 3 (in heated seats wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles without heated seats

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Seat lumbar adjustment with power seats , (7P1)

from July 2010

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Battery, Seat forward/back adjustment button, Angle adjustment button, Backrest adjustment button, Driver seat forward/back adjustment motor, Driver backrest adjustment motor, Seat angle adjustment motor

A	Battery
B	Starter
C	Generator
E418	Seat forward/back adjustment button
E421	Angle adjustment button
E425	Backrest adjustment button
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
S44	Driver power seat adjustment circuit breaker 1
T4bc	4-pin connector
T4be	4-pin connector
T4bf	4-pin connector
T6al	6-pin connector
T10a	10-pin connector, under the driver seat
T10ac	10-pin connector
T10b	10-pin connector, under the driver seat
T40	40-pin connector
V28	Driver seat forward/back adjustment motor
V45	Driver backrest adjustment motor
V231	Seat angle adjustment motor
1	Ground strap, battery to body
95	Ground connection 1 (in seat adjustment wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
M1	Positive connection 1 (30) (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver seat lumbar support adjustment switch, Seat height adjustment button, Driver seat lumbar support curvature adjustment motor, Driver seat lumbar support height adjustment motor, Driver seat height adjustment motor

E176	Driver seat lumbar support adjustment switch
E424	Seat height adjustment button
SC34	Fuse 34 (on fuse panel C)
T4bc	4-pin connector
T4bd	4-pin connector
T6ah	6-pin connector
T6al	6-pin connector, under the driver seat
T10a	10-pin connector, under the driver seat
T10ac	10-pin connector
T10b	10-pin connector, under the driver seat
V125	Driver seat lumbar support curvature adjustment motor
V129	Driver seat lumbar support height adjustment motor
V138	Driver seat height adjustment motor
12	Ground connection in engine compartment, left
47	Ground connection in right front footwell
95	Ground connection 1 (in seat adjustment wiring harness)
602	Ground connection in left front footwell
652	Transmission/engine ground connection
A98	Positive connection 4 (30) (in instrument panel wiring harness)
M1	Positive connection 1 (30) (in seat adjustment wiring harness)
M9	Connection (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front passenger seat lumbar support adjustment switch, Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

E177	Front passenger seat lumbar support adjustment switch
T2e	Double connector
T4s	4-pin connector, under the front passenger seat
T6ai	6-pin connector
T10a	10-pin connector, under the front passenger seat
T10b	10-pin connector, under the front passenger seat
V126	Front passenger seat lumbar support curvature adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
Z9	Front passenger backrest heating element
47	Ground connection in right front footwell
145	Ground connection 3 (in heated seats wiring harness)
602	Ground connection in left front footwell
M9	Connection (in seat adjustment wiring harness)
*	Only for left-hand drive vehicles
*2	Only for right-hand drive vehicles
*3	Only for vehicles with an auxiliary heater
*4	Only for vehicles without heated seats

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Seat adjustment , (3PB)

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Battery

A	Battery
B	Starter
C	Generator
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC34	Fuse 34 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T10a	10-pin connector
T40	40-pin connector
(1)	Ground strap, battery to body
(12)	Ground connection in engine compartment, left
(507)	Terminal 30 threaded connection (on battery fuse holder)
(652)	Transmission/engine ground connection
(A98)	Positive connection 4 (30) (in instrument panel wiring harness)
(M1)	Positive connection 1 (30) (in seat adjustment wiring harness)
(M9)	Connection (in seat adjustment wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Seat forward/back adjustment button, Angle adjustment button, Seat height adjustment button, Backrest adjustment button, Driver seat forward/back adjustment motor, Driver backrest adjustment motor, Driver seat height adjustment motor, Seat angle adjustment motor

E418	Seat forward/back adjustment button
E421	Angle adjustment button
E424	Seat height adjustment button
E425	Backrest adjustment button
T4bc	4-pin connector
T4bd	4-pin connector
T4be	4-pin connector
T4bf	4-pin connector
T6al	6-pin connector
T10a	10-pin connector, under the driver seat
T10ac	10-pin connector
V28	Driver seat forward/back adjustment motor
V45	Driver backrest adjustment motor
V138	Driver seat height adjustment motor
V231	Seat angle adjustment motor
95	Ground connection 1 (in seat adjustment wiring harness)
602	Ground connection in left front footwell
M1	Positive connection 1 (30) (in seat adjustment wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
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Front passenger seat lumbar support adjustment switch, Front passenger seat lumbar support curvature adjustment motor, Front passenger seat lumbar support height adjustment motor

E177	Front passenger seat lumbar support adjustment switch
T2e	Double connector
T4s	4-pin connector, under the front passenger seat
T6ai	6-pin connector
T10b	10-pin connector, under the front passenger seat
V126	Front passenger seat lumbar support curvature adjustment motor
V130	Front passenger seat lumbar support height adjustment motor
Z9	Front passenger backrest heating element
47	Ground connection in right front footwell
145	Ground connection 3 (in heated seats wiring harness)
*	Only for vehicles without heated seats
*2	Only for vehicles with an auxiliary heater

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Seat Backrest Adjustment , (3PB),(3PD),(3PE),(3PT)

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Battery, Driver Backrest Adjustment Switch, Driver Backrest Adjustment Motor

A	Battery
B	Starter
C	Generator
E96	Driver Backrest Adjustment Switch
J774	Front Seat Heating Control Module
SA1	Fuse 1 (On Fuse Panel A)
SB29	Fuse 29 (On Fuse Panel B)
SC37	Fuse 37 (On Fuse Panel C)
S44	Driver Power Seat Adjustment Circuit Breaker 1
T2ap	2-Pin Connector
T8ad	8-Pin Connector
T8v	8-Pin Connector
T10a	10-Pin Connector
T40	40-Pin Connector
V45	Driver Backrest Adjustment Motor
1	Ground Cable, Battery to Body
12	Ground Connection in Engine/Motor Compartment, Left
96	Ground Connection 1 (in Heated Seats Wiring Harness)
507	Terminal 30 Threaded Connection (On Battery Fuse Holder)
602	Ground Connection in Left Front Footwell
652	Transmission/Engine Ground Connection
A98	Positive Connection 4 (30) (in Instrument Panel Wiring Harness)
B236	Positive Connection 6 (30a) (in Interior Wiring Harness)
Q4	Positive Connection (30) (in Power Window/Central Locking System and Door Contact Switch Wiring Harness)
*	Depending on Equipment
*2	For Vehicles with Seat Heating

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Front Passenger Backrest Adjustment Switch, Front Passenger Backrest Adjustment Motor

E98	Front Passenger Backrest Adjustment Switch
T2aq	2-Pin Connector
T2e	2-Pin Connector
T8ae	8-Pin Connector
T10b	10-Pin Connector
V46	Front Passenger Backrest Adjustment Motor
Z9	Front Passenger Backrest Heating Element
47	Ground Connection in Right Front Footwell
145	Ground Connection 3 (in Heated Seats Wiring Harness)
B236	Positive Connection 6 (30a) (in Interior Wiring Harness)
*	For Vehicles with Seat Heating

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Headlamp washer system , (8X1)

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Generator, Headlamp washer relay, Vehicle electrical system control module, Headlamp washer pump

A	Battery
B	Starter
C	Generator
J39	Headlamp washer relay
J519	Vehicle electrical system control module
SA1	Fuse 1 (on fuse panel A)
SB29	Fuse 29 (on fuse panel B)
SC36	Fuse 36 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T40	40-pin connector
T52b	52-pin connector
V11	Headlamp washer pump
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
656	Ground connection on right headlamp
A98	Positive connection 4 (30) (in instrument panel wiring harness)
B111	Positive connection 1 (30a) (in interior wiring harness)
*	Depending on equipment
*2	Through December 2010
*3	from December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Windshield wiper intermittent mode switch, Windshield and headlamp washer pump switch, Engine coolant level sensor, Windshield washer fluid level sensor, Instrument cluster control module, Vehicle electrical system control module, Steering column electronics control module, Data bus on board diagnostic interface, Windshield washer fluid level indicator lamp

E22	Windshield wiper intermittent mode switch
E44	Windshield and headlamp washer pump switch
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
J285	Instrument cluster control module
J519	Vehicle electrical system control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K37	Windshield washer fluid level indicator lamp
T16p	16-pin connector
T20	20-pin connector
T32c	32-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
410	Sensor ground connection 1 (in main wiring harness)
602	Ground connection in left front footwell
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Rearview mirror without humidity sensor and with high beam assist , (4L2)

from July 2010

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Terminal 15 power supply relay, Fuse 1 (on fuse panel A), Fuse 7 (on fuse panel B)

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T40	40-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Automatic dimming interior rearview mirror

J104	ABS control module
J386	Driver door control module
J533	Data bus on board diagnostic interface
J682	Terminal 50 power supply relay
T6b	6-pin connector
T8p	8-pin connector
T9b	9-pin connector
T20	20-pin connector
T20a	20-pin connector
T28	28-pin connector
T47	47-pin connector
W1	Front interior lamp
Y7	Automatic dimming interior rearview mirror
402	Interior lighting ground connection (in interior wiring harness)
459	Ground connection 15 (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Headlamps HID with range control , (8Q1),(8Q5),(8Q6)

from July 2010

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Terminal 15 power supply relay, Vehicle electrical system control module, Fuse panel B, Fuse panel C

A	Battery
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
SB	Fuse panel B
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC5	Fuse 5 (on fuse panel C)
SC6	Fuse 6 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9i	9-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
B163	Positive connection 1 (15) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left HID headlamp control module, Vehicle electrical system control module, Left HID headlamp bulb, Left front fog lamp bulb, Left daytime running lamp and position lamp LED module, Left front turn signal bulb, Left stationary cornering lamp

J343	Left HID headlamp control module, on the left headlamp
J519	Vehicle electrical system control module
J860	Left daytime running lamp and position lamp control module, on the left headlamp
L13	Left HID headlamp bulb
L22	Left front fog lamp bulb
L176	Left daytime running lamp and position lamp LED module
MX1	Left front headlamp
M5	Left front turn signal bulb
M51	Left stationary cornering lamp
T2dg	2-pin connector
T14l	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
A6	Left turn signal positive connection (in instrument panel wiring harness)
A84	Connection 58L (in instrument panel wiring harness)
E120	Connection 56b left (in instrument panel wiring harness)
*	Only for vehicles with fog lamps
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical system control module, Left headlamp power output module, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor, Left adaptive cornering lamp motor

G474	Left swivel module position sensor
G695	Sensor for left variable headlamp positioning motor
J519	Vehicle electrical system control module
J667	Left headlamp power output module, on the left headlamp
MX1	Left front headlamp
T14l	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
V48	Left headlamp beam adjustment motor
V294	Left low beam headlamp reflector motor
V318	Left adaptive cornering lamp motor
V446	Left variable headlamp positioning motor
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)
E117	Connection 56a left (in instrument panel wiring harness)
*	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left rear level control system sensor, Headlamp range control module, Vehicle electrical system control module, Data bus on board diagnostic interface, Diagnostic connection

G76	Left rear level control system sensor
J431	Headlamp range control module, on the right glove compartment
J519	Vehicle electrical system control module
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
T4bx	4-pin connector
T16	16-pin connector
T20	20-pin connector
T26c	26-pin connector
U31	Diagnostic connection
382	Ground connection 17 (in main wiring harness)
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
N5	Connection 4 (in headlamp range control wiring harness)
N6	Connection 5 (in headlamp range control wiring harness)
N7	Connection 6 (in headlamp range control wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical system control module, Right headlamp power output module, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor, Right adaptive cornering lamp motor

G475	Right swivel module position sensor
G696	Sensor for right variable headlamp positioning motor
J519	Vehicle electrical system control module
J668	Right headlamp power output module, on the right headlamp
MX2	Right front headlamp
T14f	14-pin connector
T14r	14-pin connector
T52c	52-pin connector
V49	Right headlamp beam adjustment motor
V295	Right low beam headlamp reflector motor
V319	Right adaptive cornering lamp motor
V447	Right variable headlamp positioning motor
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)
*	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Right HID headlamp control module, Vehicle electrical system control module, Right HID headlamp bulb, Right front fog lamp bulb, Right daytime running lamp and position lamp LED module, Right front turn signal bulb, Right stationary cornering lamp

J344	Right HID headlamp control module, on the right headlamp
J519	Vehicle electrical system control module
J861	Right daytime running lamp and position lamp control module, on the right headlamp
L14	Right HID headlamp bulb
L23	Right front fog lamp bulb
L177	Right daytime running lamp and position lamp LED module
MX2	Right front headlamp
M7	Right front turn signal bulb
M52	Right stationary cornering lamp
T2dh	2-pin connector
T14r	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
A5	Right turn signal positive connection (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
B554	Fog lamp connection (in main wiring harness)
E119	Connection 56b right (in instrument panel wiring harness)
*	Diameter depends on equipment
*2	Only for vehicles with fog lamps

Vehicle electrical system control module, Lighting control illumination bulb

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical system control module
L105	Lighting control illumination bulb
T8e	8-pin connector
T10h	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking aid, front and rear , (7X2)

from July 2010

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Battery, Generator, Terminal 15 power supply relay, Vehicle electrical control module system

A	Battery
B	Starter
C	Generator
G65	High pressure sensor
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
SA1	Fuse 1 (on fuse panel A)
SC4	Fuse 4 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
T40	40-pin connector
T52a	52-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
*	Only for vehicles with DSG transmission 0AM
*2	Only for vehicles with a manual transmission
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking aid button, Left front parking aid sensor, Left front inner parking aid sensor, Rear parking aid warning buzzer, Front parking aid warning buzzer, Parking aid control module

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E266	Parking aid button
G255	Left front parking aid sensor
G332	Left front inner parking aid sensor
H15	Rear parking aid warning buzzer
H22	Front parking aid warning buzzer
J234	Airbag control module
J446	Parking aid control module
J533	Data bus on board diagnostic interface
T6aw	6-pin connector
T8e	8-pin connector
T8o	8-pin connector
T10h	10-pin connector
T12	12-pin connector
T16m	16-pin connector
T20	20-pin connector
T75	75-pin connector
47	Ground connection in right front footwell
349	Horn ground connection (in front bumper wiring harness)
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
X65	Parking aid connection (in front bumper wiring harness)
*	Through December 2010
*2	from December 2010

Left rear parking aid sensor, Right rear parking aid sensor, Right front parking aid sensor, Right front center parking aid sensor, Left rear inner parking aid sensor, Right rear inner parking aid sensor, Parking aid control module

G203	Left rear parking aid sensor
G206	Right rear parking aid sensor
G252	Right front parking aid sensor
G253	Right front center parking aid sensor
G334	Left rear inner parking aid sensor
G335	Right rear inner parking aid sensor
G568	Left front parallel parking assistance sensor
G569	Right front parallel parking assistance sensor
J446	Parking aid control module
T6be	6-pin connector, in the rear bumper
T8o	8-pin connector
T12	12-pin connector
T12w	12-pin connector
349	Horn ground connection (in front bumper wiring harness)
352	Parking aid ground connection (in rear bumper wiring harness)
X65	Parking aid connection (in front bumper wiring harness)
X68	Parking aid connection (in rear bumper wiring harness)
*	The color of the wires depends on vehicle equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rearview camera (Rear Assist) , (KA1)

from July 2010

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Fuse panel B, Fuse 16 (on fuse panel C)

A	Battery
B	Starter
C	Generator
J9	Rear window defogger relay
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB8	Fuse 8 (on fuse panel B)
SC	Fuse panel C
SC16	Fuse 16 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
SC28	Fuse 28 (on fuse panel C)
T9n	9-pin connector
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio/navigation display unit control module, Rearview camera

J503	Radio/navigation display unit control module
J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M17	Right back-up lamp bulb
R189	Rearview camera
T4bj	4-pin connector
T5l	5-pin connector
T5n	5-pin connector
T5v	5-pin connector
T10t	10-pin connector
T16b	16-pin connector
T26d	26-pin connector
T52c	52-pin connector
51	Ground connection in luggage compartment, right
86	Ground connection 1 (in rear wiring harness)
A87	Back-up lamp connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Parking distance control with parallel parking assistance (park assist)

from July 2010

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Fuse panel A, Fuse panel B, Fuse panel C

A	Battery
B	Starter
C	Generator
J9	Rear window defogger relay
SA	Fuse panel A
SA1	Fuse 1 (on fuse panel A)
SA5	Fuse 5 (on fuse panel A)
SB	Fuse panel B
SB7	Fuse 7 (on fuse panel B)
SB8	Fuse 8 (on fuse panel B)
SC	Fuse panel C
SC16	Fuse 16 (on fuse panel C)
SC25	Fuse 25 (on fuse panel C)
T9n	9-pin connector
T40	40-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Only for vehicles with 90A/110A generator
*2	Only for vehicles with a generator (140 A)
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 power supply relay, Vehicle electrical control module system

G65	High pressure sensor
J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J682	Terminal 50 power supply relay
SC4	Fuse 4 (on fuse panel C)
T3c	3-pin connector
T9b	9-pin connector
T9i	9-pin connector
T32c	32-pin connector
367	Ground connection 2 (in main wiring harness)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Rear parking aid warning buzzer, Parallel parking assistance control module

H15	Rear parking aid warning buzzer
J234	Airbag control module
J533	Data bus on board diagnostic interface
J791	Parallel parking assistance control module, near the relay panel
T16c	16-pin connector
T20	20-pin connector
T75	75-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

29 30 31 32 33 34 35 36 37 38 39 40 41 42

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Parking aid button, Parallel parking assistance control module

E20	Instrument panel and switch illumination dimmer switch
E266	Parking aid button
J791	Parallel parking assistance control module, near the relay panel
T6aw	6-pin connector
T8e	8-pin connector
T16c	16-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left front parking aid sensor, Left front inner parking aid sensor, Front parking aid warning buzzer, Parallel parking assistance control module

G255	Left front parking aid sensor
G332	Left front inner parking aid sensor
H22	Front parking aid warning buzzer
J791	Parallel parking assistance control module, near the relay panel
T8o	8-pin connector
T12a	12-pin connector
349	Horn ground connection (in front bumper wiring harness)
X65	Parking aid connection (in front bumper wiring harness)
*	from December 2010
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right front parking aid sensor, Right front center parking aid sensor, Parallel parking assistance control module

G252	Right front parking aid sensor
G253	Right front center parking aid sensor
J791	Parallel parking assistance control module, near the relay panel
T8o	8-pin connector
T12a	12-pin connector
349	Horn ground connection (in front bumper wiring harness)
X65	Parking aid connection (in front bumper wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left rear parking aid sensor, Left rear inner parking aid sensor, Parallel parking assistance control module

G203	Left rear parking aid sensor
G334	Left rear inner parking aid sensor
J791	Parallel parking assistance control module, near the relay panel
T6be	6-pin connector
T12	12-pin connector
352	Parking aid ground connection (in rear bumper wiring harness)
X68	Parking aid connection (in rear bumper wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right rear parking aid sensor, Right rear inner parking aid sensor, Parallel parking assistance control module

G206	Right rear parking aid sensor
G335	Right rear inner parking aid sensor
J791	Parallel parking assistance control module, near the relay panel
T6be	6-pin connector
T12	12-pin connector
352	Parking aid ground connection (in rear bumper wiring harness)
X68	Parking aid connection (in rear bumper wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Rearview camera

J503	Radio/navigation display unit control module
J519	Vehicle electrical control module system
M2	Right tail lamp bulb
M17	Right back-up lamp bulb
R189	Rearview camera
SC28	Fuse 28 (on fuse panel C)
T4bj	4-pin connector
T5l	5-pin connector
T5n	5-pin connector
T5v	5-pin connector
T10t	10-pin connector
T16b	16-pin connector
T26d	26-pin connector
T52c	52-pin connector
51	Ground connection in luggage compartment, right
86	Ground connection 1 (in rear wiring harness)
A87	Back-up lamp connection (in instrument panel wiring harness)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction steering wheel , (2PP)

from July 2010

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Generator, Vehicle electrical system control module, Steering column electronics control module, Fuse 1 (on fuse panel A)

A	Battery
B	Starter
C	Generator
F189	tiptronic switch
J519	Vehicle electrical system control module
J527	Steering column electronics control module
J587	Selector lever sensor system control module
SA1	Fuse 1 (on fuse panel A)
SB6	Fuse 6 (on fuse panel B)
T10s	10-pin connector
T16p	16-pin connector
T40	40-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
A23	Connection 30al (in instrument panel wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cruise control switch, Airbag spiral spring/return spring with slip ring, Signal horn activation, Airbag control module, Multifunction steering wheel control module, Steering column electronics control module, Driver airbag igniter

E45	Cruise control switch
E227	Cruise control -SET- button
F138	Airbag spiral spring/return spring with slip ring
H	Signal horn activation
J234	Airbag control module
J453	Multifunction steering wheel control module
J527	Steering column electronics control module
N95	Driver airbag igniter
T4k	4-pin connector
T5k	5-pin connector
T10x	10-pin connector
T12k	12-pin connector
T50	50-pin connector
T75	75-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Ignition/starter switch, Multifunction steering wheel control module, Vehicle electrical system control module, Steering column electronics control module, Ignition switch key lock solenoid

D	Ignition/starter switch
E439	tiptronic downshift button on steering wheel
E440	Left multifunction buttons on steering wheel
J453	Multifunction steering wheel control module
J519	Vehicle electrical system control module
J527	Steering column electronics control module
N376	Ignition switch key lock solenoid
T3ah	3-pin connector
T12i	12-pin connector
T12j	12-pin connector
T16p	16-pin connector
T52c	52-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	Only for vehicles with automatic transmission
*2	Only for vehicles with tiptronic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Multifunction steering wheel control module

E438	tiptronic upshift button on steering wheel
E441	Right multifunction buttons on steering wheel
J453	Multifunction steering wheel control module
T3ai	3-pin connector
T10y	10-pin connector
*	Only for vehicles with tiptronic

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Instrument cluster control module, Data bus on board diagnostic interface

J104	ABS control module
J285	Instrument cluster control module
J533	Data bus on board diagnostic interface
J623	Engine control module
R	Radio
R36	Telephone transceiver
T16	16-pin connector
T16b	16-pin connector
T20	20-pin connector
T26a	26-pin connector
T32c	32-pin connector
T47	47-pin connector
T54	54-pin connector
U31	Diagnostic connection
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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or	=	orange
rs	=	pink

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Compass USA/Canada , (QR1)

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Compass magnetic field sensor, Data bus on board diagnostic interface

G197	Compass magnetic field sensor
J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
M25	High-mounted brake lamp bulb
R	Radio
R36	Telephone transceiver
SC13	Fuse 13 (on fuse panel C)
SC48	Fuse 48 (on fuse panel C)
T8g	8-pin connector
T16	16-pin connector
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
T54b	54-pin connector
U31	Diagnostic connection
50	Ground connection in luggage compartment, left
369	Ground connection 4 (in main wiring harness)
377	Ground connection 12 (in main wiring harness)
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B226	Radio connection 3 (in interior wiring harness)
*	Only for vehicles without Start/Stop system
*2	from July 2013
*3	Though July 2013
*4	Only for vehicles with Start/Stop system
*5	Only for vehicles without Japan equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Power supply

from July 2010

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Terminal 15 power supply relay, Connection 61 (in instrument panel wiring harness), Positive connection 15a (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

C	Generator
E256	ASR/ESP button
E492	Tire pressure monitoring display button
F4	Back-up lamp switch
G65	High pressure sensor
J329	Terminal 15 power supply relay
J386	Driver door control module
J387	Front passenger door control module
J623	Engine control module
J682	Terminal 50 power supply relay
J706	Passenger occupant detection system control module
SC1	Fuse 1 (on fuse panel C)
SC4	Fuse 4 (on fuse panel C)
SC12	Fuse 12 (on fuse panel C)
SC29	Fuse 29 (on fuse panel C)
T2	Double connector
T3ba	3-pin connector
T3c	3-pin connector
T4t	4-pin connector
T6ad	6-pin connector
T6an	6-pin connector
T9b	9-pin connector
T9i	9-pin connector
T10r	10-pin connector
T18e	18-pin connector
T20b	20-pin connector
T20e	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T94	94-pin connector
U11	Interior socket, 230 V, 110 V
A1	Positive connection (30a) (in instrument panel wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A17	Connection 61 (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Connection 30al (in instrument panel wiring harness), Positive connection (50) (in instrument panel wiring harness), KS-diagnostic lead connection (in instrument panel wiring harness)

J217	Transmission control module
J285	Instrument cluster control module
J527	Steering column electronics control module
J623	Engine control module
J682	Terminal 50 power supply relay
J743	DSG transmission Mechatronic
SB6	Fuse 6 (on fuse panel B)
T9b	9-pin connector
T16	16-pin connector
T16p	16-pin connector
T20e	20-pin connector
T32c	32-pin connector
T40	40-pin connector
T52	52-pin connector
T94	94-pin connector
U31	Diagnostic connection
A23	Connection 30al (in instrument panel wiring harness)
A41	Positive connection (50) (in instrument panel wiring harness)
A76	KS-diagnostic lead connection (in instrument panel wiring harness)

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Power window connection (in instrument panel wiring harness), Connection 58L (in instrument panel wiring harness), Connection 58R (in instrument panel wiring harness), Dual tone horn connection (in instrument panel wiring harness), Positive connection 4 (30) (in instrument panel wiring harness)

H2	High tone horn
H7	Low tone horn
J4	Dual tone horn relay
J926	Driver side rear door control module
J927	Passenger side rear door control module
M1	Left position lamp bulb
M3	Right position lamp bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
SC26	Fuse 26 (on fuse panel C)
SB29	Fuse 29 (on fuse panel B)
SC32	Fuse 32 (on fuse panel C)
SC39	Fuse 39 (on fuse panel C)
S44	Driver power seat adjustment circuit breaker 1
T10i	10-pin connector
T10j	10-pin connector
T18b	18-pin connector
T18c	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
T40	40-pin connector
A62	Power window connection (in instrument panel wiring harness)
A84	Connection 58L (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
A90	Dual tone horn connection (in instrument panel wiring harness)
A98	Positive connection 4 (30) (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Connection 87 (in instrument panel wiring harness) 1, Positive connection 3 (30a) (in instrument panel wiring harness), Positive connection 4 (30a) (in instrument panel wiring harness), Auxiliary heater connection (in instrument panel wiring harness)

E1	Light switch
J9	Rear window defogger relay
J338	Throttle valve control module
J360	High heat output relay
J388	Left rear door control module
J389	Right rear door control module
J603	Vehicle location recognition control module
SC13	Fuse 13 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
SB24	Fuse 24 (on fuse panel B)
T3am	3-pin connector
T4x	4-pin connector
T8h	8-pin connector
T9n	9-pin connector
T10h	10-pin connector
T14a	14-pin connector
T18b	18-pin connector
T18c	18-pin connector
T28b	28-pin connector
T28c	28-pin connector
T40	40-pin connector
V7	Radiator fan
Z35	Auxiliary heater heating element
A99	Connection 87 (in instrument panel wiring harness) 1
A167	Positive connection 3 (30a) (in instrument panel wiring harness)
A168	Positive connection 4 (30a) (in instrument panel wiring harness)
A176	Auxiliary heater connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Infotainment CAN bus high connection (in instrument panel wiring harness), Infotainment CAN bus low connection (in instrument panel wiring harness), Positive connection 5 (30a) (in instrument panel wiring harness), Positive connection 3 (15a) (in instrument panel wiring harness)

F189	tiptronic switch
G42	Intake air temperature sensor
G70	Mass airflow sensor
J217	Transmission control module
J301	A/C control module
J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
J587	Selector lever sensor system control module
J603	Vehicle location recognition control module
J650	Multimedia system control module
N79	Positive crankcase ventilation heating element
R	Radio
SC1	Fuse 1 (on fuse panel C)
SC14	Fuse 14 (on fuse panel C)
T5d	5-pin connector
T8h	8-pin connector
T10s	10-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T20c	20-pin connector
T52	52-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
A192	Positive connection 3 (15a) (in instrument panel wiring harness)

ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Positive connection 6 (30a) (in instrument panel wiring harness), Positive connection 4 (15a) (in instrument panel wiring harness), Positive connection 5 (15a) (in instrument panel wiring harness), Positive connection 6 (15a) (in instrument panel wiring harness)

E1	Light switch
J4	Dual tone horn relay
J17	Fuel pump relay
J104	ABS control module
J234	Airbag control module
J285	Instrument cluster control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J743	DSG transmission Mechatronic
K145	Front passenger airbag -disabled- indicator lamp
SC2	Fuse 2 (on fuse panel C)
SC3	Fuse 3 (on fuse panel C)
SC17	Fuse 17 (on fuse panel C)
T4g	4-pin connector
T10h	10-pin connector
T16p	16-pin connector
T20	20-pin connector
T20e	20-pin connector
T32c	32-pin connector
T47	47-pin connector
T75	75-pin connector
A198	Positive connection 6 (30a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
A200	Positive connection 5 (15a) (in instrument panel wiring harness)
A201	Positive connection 6 (15a) (in instrument panel wiring harness)

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Positive connection 4 (15a) (in instrument panel wiring harness), Connection 54 (in interior wiring harness), Positive connection 2 (30a) (in interior wiring harness), Positive connection 4 (30a) (in interior wiring harness)

E26	Glove compartment lamp switch
F	Brake lamp switch
F47	Brake pedal switch
F189	tiptronic switch
J104	ABS control module
J500	Power steering control module
J587	Selector lever sensor system control module
J623	Engine control module
T3ao	3-pin connector
T4y	4-pin connector
T6b	6-pin connector
T6z	6-pin connector
T10s	10-pin connector
T47	47-pin connector
T94	94-pin connector
W1	Front interior lamp
W3	Luggage compartment lamp
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B131	Connection 54 (in interior wiring harness)
B150	Positive connection 2 (30a) (in interior wiring harness)
B219	Positive connection 4 (30a) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
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Positive connection (30a) (in interior wiring harness), Positive connection 1 (30) (in interior wiring harness), Windshield washer pump connection 1 (in interior wiring harness), Windshield washer pump connection 2 (in interior wiring harness), Radio connection 1 (in interior wiring harness)

J17	Fuel pump relay
J503	Radio/navigation display unit control module
J643	Fuel primer relay
R	Radio
SA5	Fuse 5 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC12	Fuse 12 (on fuse panel C)
SC22	Fuse 22 (on fuse panel C)
SC27	Fuse 27 (on fuse panel C)
T4bv	4-pin connector
T16b	16-pin connector
T17	17-pin connector
T40	40-pin connector
V12	Rear window wiper motor
V59	Windshield and rear window washer pump
B156	Positive connection (30a) (in interior wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
B183	Windshield washer pump connection 1 (in interior wiring harness)
B184	Windshield washer pump connection 2 (in interior wiring harness)
B224	Radio connection 1 (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
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ws = white
sw = black
ro = red
rt = red
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bl = blue
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vi = lilac
ge = yellow
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rs = pink

Positive connection 2 (58b) (in interior wiring harness), Connection 75a (in main wiring harness) 2, Positive connection 1 (87a) (in main wiring harness)

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E256	ASR/ESP button
E492	Tire pressure monitoring display button
E508	Cellular telephone preparation control head
F189	tiptronic switch
G	Fuel level sensor
G6	Transfer fuel pump
J17	Fuel pump relay
J29	Blocking diode
J245	Power sunroof control module
J587	Selector lever sensor system control module
J643	Fuel primer relay
R54	Cellular telephone
SC42	Fuse 42 (on fuse panel C)
T3g	3-pin connector
T3j	3-pin connector
T5b	5-pin connector
T6ad	6-pin connector
T6an	6-pin connector
T6av	6-pin connector
T6b	6-pin connector
T6c	6-pin connector
T8e	8-pin connector
T10ad	10-pin connector
T10h	10-pin connector
T10s	10-pin connector
U1	Cigarette lighter
U5	12 V socket
W1	Front interior lamp
B238	Positive connection 2 (58b) (in interior wiring harness)
B349	Connection 75a (in main wiring harness) 2
B350	Positive connection 1 (87a) (in main wiring harness)

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Positive connection 1 (87a) (in main wiring harness), Positive connection 2 (87a) (in main wiring harness), Powertrain CAN bus high connection 1 (in main wiring harness), Positive connection 2 (15a) (in engine compartment wiring harness)

J17	Fuel pump relay
J104	ABS control module
J179	Automatic glow time control module
J217	Transmission control module
J234	Airbag control module
J500	Power steering control module
J533	Data bus on board diagnostic interface
J832	Auxiliary fuel pump relay
N30	Cylinder 1 fuel injector
N31	Cylinder 2 fuel injector
N32	Cylinder 3 fuel injector
N33	Cylinder 4 fuel injector
N83	Cylinder 5 fuel injector
SB15	Fuse 15 (on fuse panel B)
T3ao	3-pin connector
T6z	6-pin connector
T11b	11-pin connector
T14a	14-pin connector
T20	20-pin connector
T40	40-pin connector
T47	47-pin connector
T52	52-pin connector
T75	75-pin connector
B350	Positive connection 1 (87a) (in main wiring harness)
B351	Positive connection 2 (87a) (in main wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
D136	Positive connection 2 (15a) (in engine compartment wiring harness)

Powertrain CAN bus high connection 1 (in main wiring harness), Powertrain CAN bus low connection 1 (in main wiring harness), Comfort system CAN bus high connection 1 (in main wiring harness)

J104	ABS control module
J217	Transmission control module
J234	Airbag control module
J301	A/C control module
J386	Driver door control module
J500	Power steering control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J587	Selector lever sensor system control module
J623	Engine control module
J743	DSG transmission Mechatronic
T3ao	3-pin connector
T6z	6-pin connector
T10s	10-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
T20e	20-pin connector
T28	28-pin connector
T47	47-pin connector
T52	52-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T75	75-pin connector
T94	94-pin connector
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Comfort system CAN bus high connection 1 (in main wiring harness), Comfort system CAN bus low connection 1 (in main wiring harness), Seat heating connection (in main wiring harness), Rotary field connection (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

G60	Front passenger heated seat temperature sensor
J301	A/C control module
J386	Driver door control module
J387	Front passenger door control module
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
J623	Engine control module
J774	Front seat heating control module
T4m	4-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T16p	16-pin connector
T20	20-pin connector
T20b	20-pin connector
T20c	20-pin connector
T20e	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
T94	94-pin connector
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
B431	Seat heating connection (in main wiring harness)
B508	Rotary field connection (in interior wiring harness)

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ge	=	yellow
or	=	orange
rs	=	pink

Rotary field connection (in interior wiring harness), Positive connection (x) (in heated spray nozzle wiring harness), Positive connection 1 (30a) (in engine compartment wiring harness), Connection 30al (in engine compartment wiring harness), Connection 9 (in engine compartment wiring harness)

C	Generator
G336	Intake manifold runner position sensor
G450	Exhaust pressure sensor 1
G451	Exhaust pressure sensor 2
J271	Motronic engine control module power supply relay
J623	Engine control module
J743	DSG transmission Mechatronic
SB5	Fuse 5 (on fuse panel B)
SB10	Fuse 10 (on fuse panel B)
T2	Double connector
T2t	Double connector
T2u	Double connector
T4t	4-pin connector
T5p	5-pin connector
T14a	14-pin connector
T20e	20-pin connector
T40	40-pin connector
T94	94-pin connector
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
B508	Rotary field connection (in interior wiring harness)
C53	Positive connection (x) (in heated spray nozzle wiring harness)
D78	Positive connection 1 (30a) (in engine compartment wiring harness)
D92	Connection 30al (in engine compartment wiring harness)
D111	Connection 9 (in engine compartment wiring harness)

Connection 3 (87a) (in engine compartment wiring harness),
Connection 6 (87a) (in engine compartment wiring harness),
Connection 87a (in engine wiring harness)

G39	Heated oxygen sensor
G130	Oxygen sensor after catalytic converter
G465	Center oxygen sensor for bank 1 catalytic converter
J299	Secondary air injection pump relay
J623	Engine control module
N112	Secondary air injection solenoid valve
SB13	Fuse 13 (on fuse panel B)
SB15	Fuse 15 (on fuse panel B)
SB21	Fuse 21 (on fuse panel B)
SB23	Fuse 23 (on fuse panel B)
T3d	3-pin connector
T4ao	4-pin connector
T4v	4-pin connector
T6ag	6-pin connector
T6w	6-pin connector
T14a	14-pin connector
T40	40-pin connector
T94	94-pin connector
V144	Leak detection pump
Z19	Oxygen sensor heater
D182	Connection 3 (87a) (in engine compartment wiring harness)
D202	Connection 6 (87a) (in engine compartment wiring harness)
E30	Connection 87a (in engine wiring harness)

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Connection 87a (in right front wiring harness), Entry lamp connection (in driver door wiring harness), Positive connection (30a) (in central locking system wiring harness), Positive connection (15a) (in automatic transmission wiring harness)

F125	Multifunction transmission range switch
J217	Transmission control module
J386	Driver door control module
J387	Front passenger door control module
N70	Ignition coil 1 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
SB14	Fuse 14 (on fuse panel B)
SC23	Fuse 23 (on fuse panel C)
SC30	Fuse 30 (on fuse panel C)
T4af	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T10n	10-pin connector
T14a	14-pin connector
T20b	20-pin connector
T20e	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T40	40-pin connector
T52	52-pin connector
W31	Left front entry lamp
W32	Right front entry lamp
D20	Connection 87a (in right front wiring harness)
R56	Entry lamp connection (in driver door wiring harness)
S25	Positive connection (30a) (in central locking system wiring harness)
U8	Positive connection (15a) (in automatic transmission wiring harness)

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Connection 87a (in right front wiring harness), Positive connection 1 (15a) (in engine pre-wiring harness), Glow plug connection (in engine pre-wiring harness), Connection 1 (in engine compartment wiring harness), Connection 3 (in engine compartment wiring harness)

G40	Camshaft position sensor
G71	Manifold absolute pressure sensor
G336	Intake manifold runner position sensor
G609	Secondary air injection sensor 1
J623	Engine control module
N127	Ignition coil 2 with power output stage
N323	Ignition coil 5 with power output stage
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T3q	3-pin connector
T4ag	4-pin connector
T4aj	4-pin connector
T4aw	4-pin connector
T60	60-pin connector
D20	Connection 87a (in right front wiring harness)
D35	Positive connection 1 (15a) (in engine pre-wiring harness)
D37	Glow plug connection (in engine pre-wiring harness)
D101	Connection 1 (in engine compartment wiring harness)
D103	Connection 3 (in engine compartment wiring harness)

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or	=	orange
rs	=	pink

Connection 3 (in engine compartment wiring harness), Positive connection 2 (30a) (in engine compartment wiring harness), Positive connection 3 (58d) (in engine compartment wiring harness), Connection 5 (in engine compartment wiring harness)

G28	Engine speed sensor
G40	Camshaft position sensor
G61	Knock sensor 1
G66	Knock sensor 2
G69	Throttle position sensor
G81	Fuel temperature sensor
G212	EGR potentiometer
G247	Fuel pressure sensor
G581	Charge air pressure actuator position sensor
G609	Secondary air injection sensor 1
J623	Engine control module
T4aw	4-pin connector
T5z	5-pin connector
T60	60-pin connector
D103	Connection 3 (in engine compartment wiring harness)
D104	Positive connection 2 (30a) (in engine compartment wiring harness)
D105	Positive connection 3 (58d) (in engine compartment wiring harness)
D107	Connection 5 (in engine compartment wiring harness)

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Positive connection (in roof wiring harness), Connection 5V (in engine pre-wiring harness), Connection 2 (87a) (in engine compartment wiring harness), Connection 87a (in engine pre-wiring harness), Connection 1 (in A/C unit wiring harness)

F25	Fuel enrichment throttle valve switch
F220	Driver central locking lock unit
G40	Camshaft position sensor
G336	Intake manifold runner position sensor
J301	A/C control module
J623	Engine control module
N80	EVAP canister purge regulator valve 1
N205	Camshaft adjustment valve 1
N276	Fuel pressure regulator valve
N290	Fuel metering valve
SB14	Fuse 14 (on fuse panel B)
T3q	3-pin connector
T5	5-pin connector
T5y	5-pin connector
T8d	8-pin connector
T10p	10-pin connector
T14a	14-pin connector
T40	40-pin connector
T60	60-pin connector
W14	Front passenger vanity mirror lamp
W20	Driver vanity mirror lamp
W43	Rear interior lamp
B250	Positive connection (in roof wiring harness)
D141	Connection 5V (in engine pre-wiring harness)
D181	Connection 2 (87a) (in engine compartment wiring harness)
D189	Connection 87a (in engine pre-wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
*	Flat conductor

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Connection 1 (in A/C unit wiring harness), Connection 2 (in A/C unit wiring harness), Positive connection 1 (30) (in seat adjustment wiring harness), Connection 4 (in driver seat wiring harness), Connection 2 (in heated seats wiring harness)

E425	Backrest adjustment button
J301	A/C control module
J774	Front seat heating control module
N24	Fresh air blower series resistor with fuse
T2d	Double connector
T2i	Double connector
T4bc	4-pin connector
T4l	4-pin connector
T4r	4-pin connector
T5	5-pin connector
T8v	8-pin connector
T10a	10-pin connector
V2	Fresh air blower
Z6	Driver seat heating element
Z7	Driver backrest heating element
Z31	Driver seat bolster heater
L5	Connection 1 (in A/C unit wiring harness)
L6	Connection 2 (in A/C unit wiring harness)
M1	Positive connection 1 (30) (in seat adjustment wiring harness)
M44	Connection 4 (in driver seat wiring harness)
O13	Connection 2 (in heated seats wiring harness)

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Connection 5 (in driver seat wiring harness), Connection 4 (in front passenger seat wiring harness), Connection 3 (in heated seats wiring harness), Positive connection 1 (58b) (in power window wiring harness), Positive connection 2 (58b) (in power window wiring harness)

E40	Left front window regulator switch
E43	Mirror adjusting switch
E233	Rear lid remote release button
E308	Driver interior locking button
G59	Heated driver seat temperature sensor
J301	A/C control module
J386	Driver door control module
J774	Front seat heating control module
T2e	Double connector
T4l	4-pin connector
T4m	4-pin connector
T4n	4-pin connector
T4w	4-pin connector
T6a	6-pin connector
T8v	8-pin connector
T10a	10-pin connector
T10b	10-pin connector
T10c	10-pin connector
T20c	20-pin connector
T32a	32-pin connector
Z8	Front passenger seat heating element
Z9	Front passenger backrest heating element
Z33	Front passenger seat bolster heater
M45	Connection 5 (in driver seat wiring harness)
M54	Connection 4 (in front passenger seat wiring harness)
O14	Connection 3 (in heated seats wiring harness)
Q38	Positive connection 1 (58b) (in power window wiring harness)
Q39	Positive connection 2 (58b) (in power window wiring harness)

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Ground concept (USA, Canada)

from July 2010

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Ground connection (in airbag wiring harness), Ground connection (in automatic transmission wiring harness)

E24	Driver seat belt switch
E25	Front passenger seat belt switch
F125	Multifunction transmission range switch
G533	Right second row seat temperature sensor
J217	Transmission control module
J234	Airbag control module
J706	Passenger occupant detection system control module
J743	DSG transmission Mechatronic
N131	Front passenger airbag igniter 1
N132	Front passenger airbag igniter 2
N199	Driver thorax airbag igniter
N200	Front passenger thorax airbag igniter
N201	Driver side rear thorax airbag igniter
N202	Passenger side rear thorax airbag igniter
T2aa	Double connector
T2ab	Double connector
T2j	Double connector
T2k	Double connector
T3as	3-pin connector
T3k	3-pin connector
T3l	3-pin connector
T3s	3-pin connector
T3t	3-pin connector
T5i	5-pin connector
T10n	10-pin connector
T10r	10-pin connector
T18e	18-pin connector
T20e	20-pin connector
T52	52-pin connector
T75	75-pin connector
109	Ground connection (in airbag wiring harness)
114	Ground connection (in automatic transmission wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
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Vehicle electrical control module system, Ground connection 2 (in engine compartment wiring harness), Ground connection (in rear door contact switch wiring harness), Ground connection 1 (in main wiring harness), Ground connection 3 (in main wiring harness)

F256	Rear lid lock unit
J386	Driver door control module
J388	Left rear door control module
J389	Right rear door control module
J519	Vehicle electrical control module system
J623	Engine control module
T4f	4-pin connector
T17	17-pin connector
T18b	18-pin connector
T18c	18-pin connector
T20a	20-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T52a	52-pin connector
T94	94-pin connector
W3	Luggage compartment lamp
131	Ground connection 2 (in engine compartment wiring harness)
195	Ground connection (in rear door contact switch wiring harness)
366	Ground connection 1 (in main wiring harness)
368	Ground connection 3 (in main wiring harness)
607	Ground connection in plenum chamber, left

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Vehicle electrical control module system, Ground connection 2 (in main wiring harness), Ground connection 4 (in main wiring harness)

G476	Clutch position sensor
J245	Power sunroof control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
J527	Steering column electronics control module
J680	Terminal 75 power supply relay 1
M4	Left tail lamp bulb
T4bv	4-pin connector
T5m	5-pin connector
T5o	5-pin connector
T6c	6-pin connector
T7a	7-pin connector
T9i	9-pin connector
T16p	16-pin connector
T17	17-pin connector
T52b	52-pin connector
T52c	52-pin connector
V12	Rear window wiper motor
W31	Left front entry lamp
367	Ground connection 2 (in main wiring harness)
369	Ground connection 4 (in main wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
662	Ground connection in left rear side panel

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Ground connection 5 (in main wiring harness), Ground connection 6 (in main wiring harness), Ground connection 7 (in main wiring harness), Ground connection 9 (in main wiring harness)

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
E229	Emergency flasher button
E256	ASR/ESP button
E492	Tire pressure monitoring display button
F9	Parking brake indicator lamp switch
F189	tiptronic switch
J29	Blocking diode
J301	A/C control module
J503	Radio/navigation display unit control module
J650	Multimedia system control module
R	Radio
R176	Auxiliary video/audio connection module
T2w	Double connector
T3g	3-pin connector
T6ad	6-pin connector
T6an	6-pin connector
T6bq	6-pin connector
T8e	8-pin connector
T10h	10-pin connector
T10s	10-pin connector
T12m	12-pin connector
T16b	16-pin connector
T20c	20-pin connector
U1	Cigarette lighter
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
372	Ground connection 7 (in main wiring harness)
374	Ground connection 9 (in main wiring harness)

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Vehicle electrical control module system, Ground connection 10 (in main wiring harness), Ground connection 11 (in main wiring harness)

J519	Vehicle electrical control module system
L22	Left front fog lamp bulb
M29	Left low beam headlamp bulb
T2i	Double connector
T3ba	3-pin connector
T10i	10-pin connector
T10k	10-pin connector
T52a	52-pin connector
U11	Interior socket, 230 V, 110 V
V2	Fresh air blower
V101	Secondary air injection pump motor
Z35	Auxiliary heater heating element
44	Ground connection on A-pillar, lower left
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
376	Ground connection 11 (in main wiring harness)
655	Ground connection on left headlamp

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Ground connection 11 (in main wiring harness), Ground connection 12 (in main wiring harness), Ground connection 13 (in main wiring harness), Ground connection 16 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

F34	Brake fluid level warning switch
F266	Engine hood contact switch
H2	High tone horn
H12	Alarm horn
J179	Automatic glow time control module
J400	Wiper motor control module
J603	Vehicle location recognition control module
L23	Right front fog lamp bulb
M31	Right low beam headlamp bulb
M33	Left front side marker lamp bulb
M34	Right front side marker lamp bulb
N280	A/C compressor regulator valve
T2a	Double connector
T2ae	Double connector
T2m	Double connector
T2v	Double connector
T4p	4-pin connector
T4t	4-pin connector
T8h	8-pin connector
T10j	10-pin connector
T11b	11-pin connector
V11	Headlamp washer pump
V393	Auxiliary fuel pump
376	Ground connection 11 (in main wiring harness)
377	Ground connection 12 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
656	Ground connection on right headlamp

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Vehicle electrical control module system, Ground connection 13 (in main wiring harness), Ground connection 14 (in main wiring harness), Ground connection 17 (in main wiring harness), Ground connection 18 (in main wiring harness)

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E508	Cellular telephone preparation control head
G	Fuel level sensor
G6	Transfer fuel pump
H7	Low tone horn
J412	Cell phone operating electronics control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
M2	Right tail lamp bulb
R54	Cellular telephone
T2t	Double connector
T2u	Double connector
T3j	3-pin connector
T5b	5-pin connector
T5n	5-pin connector
T6av	6-pin connector
T10ad	10-pin connector
T10t	10-pin connector
T16	16-pin connector
T20	20-pin connector
T52a	52-pin connector
T54	54-pin connector
U5	12 V socket
U31	Diagnostic connection
W6	Glove compartment lamp
W32	Right front entry lamp
Z1	Rear window defogger
Z20	Left washer nozzle heater
Z21	Right washer nozzle heater
51	Ground connection in luggage compartment, right
378	Ground connection 13 (in main wiring harness)
379	Ground connection 14 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
383	Ground connection 18 (in main wiring harness)

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Interior lighting ground connection (in interior wiring harness), Sensor ground connection 1 (in main wiring harness), Ground connection 15 (in interior wiring harness)

F	Brake lamp switch
F47	Brake pedal switch
G	Fuel level sensor
G6	Transfer fuel pump
G17	Outside air temperature sensor
G32	Engine coolant level sensor
G33	Windshield washer fluid level sensor
G34	Left front brake pad wear sensor
G65	High pressure sensor
J285	Instrument cluster control module
J682	Terminal 50 power supply relay
T2y	Double connector
T2z	Double connector
T3c	3-pin connector
T4y	4-pin connector
T5b	5-pin connector
T6b	6-pin connector
T8d	8-pin connector
T9b	9-pin connector
T32c	32-pin connector
W1	Front interior lamp
402	Interior lighting ground connection (in interior wiring harness)
410	Sensor ground connection 1 (in main wiring harness)
459	Ground connection 15 (in interior wiring harness)
B380	Brake wear indicator connection 2 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Ground connection 1 (in heated seats wiring harness), Ground connection (in roof wiring harness), Connection 8 (in engine compartment wiring harness), Connection 10 (in engine compartment wiring harness)

E176	Driver seat lumbar support adjustment switch
F147	Driver vanity mirror lamp contact switch
F148	Front passenger vanity mirror lamp contact switch
G83	Engine coolant temperature sensor on radiator outlet
G235	Exhaust gas temperature sensor 1
G336	Intake manifold runner position sensor
G448	Exhaust gas temperature sensor 2
G450	Exhaust pressure sensor 1
G451	Exhaust pressure sensor 2
G495	Exhaust gas temperature sensor 3
G648	Exhaust gas temperature sensor 4
J623	Engine control module
T2d	Double connector
T5p	5-pin connector
T5y	5-pin connector
T6ah	6-pin connector
T10a	10-pin connector
T10ag	10-pin connector
T14a	14-pin connector
T94	94-pin connector
W43	Rear interior lamp
Z7	Driver backrest heating element
96	Ground connection 1 (in heated seats wiring harness)
347	Ground connection (in roof wiring harness)
D110	Connection 8 (in engine compartment wiring harness)
D112	Connection 10 (in engine compartment wiring harness)
*	Only for vehicles with an auxiliary heater

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground connection 3 (in heated seats wiring harness), Ground connection 1 (in rear lid wiring harness), Ground connection 2 (in driver door wiring harness)

E40	Left front window regulator switch
E43	Mirror adjusting switch
E177	Front passenger seat lumbar support adjustment switch
E233	Rear lid remote release button
E234	Release button in rear lid handle
E308	Driver interior locking button
J386	Driver door control module
K174	Driver interior locking indicator lamp
M25	High-mounted brake lamp bulb
T2e	Double connector
T2f	Double connector
T4n	4-pin connector
T4w	4-pin connector
T6a	6-pin connector
T6ai	6-pin connector
T10b	10-pin connector
T10c	10-pin connector
T32a	32-pin connector
X	License plate lamp
Z9	Front passenger backrest heating element
145	Ground connection 3 (in heated seats wiring harness)
218	Ground connection 1 (in rear lid wiring harness)
267	Ground connection 2 (in driver door wiring harness)
*	Only for vehicles with an auxiliary heater

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Ground connection 1 (in engine compartment wiring harness), Ground connection 2 (in front passenger door wiring harness)

E107	Front passenger door window regulator switch
E309	Front passenger interior locking button
F1	Oil pressure switch
J387	Front passenger door control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T4c	4-pin connector
T4z	4-pin connector
T14a	14-pin connector
T20b	20-pin connector
T32b	32-pin connector
85	Ground connection 1 (in engine compartment wiring harness)
268	Ground connection 2 (in front passenger door wiring harness)
642	Electronic fan control ground connection

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Ground connection (in diesel engine pre-wiring harness), Ground connection 1 (in engine pre-wiring harness), Connection (in A/C system wiring harness)

G192	Footwell vent temperature sensor
G220	Left temperature control door motor
G263	Evaporator vent temperature sensor
J8	Parking heater relay
J301	A/C control module
J623	Engine control module
N70	Ignition coil 1 with power output stage
N127	Ignition coil 2 with power output stage
N291	Ignition coil 3 with power output stage
N292	Ignition coil 4 with power output stage
N323	Ignition coil 5 with power output stage
Q10	Glow plug 1
Q11	Glow plug 2
Q12	Glow plug 3
Q13	Glow plug 4
T2ac	Double connector
T2ad	Double connector
T4af	4-pin connector
T4ag	4-pin connector
T4ah	4-pin connector
T4ai	4-pin connector
T4aj	4-pin connector
T6p	6-pin connector
T16e	16-pin connector
T60	60-pin connector
V	Windshield wiper motor
V68	Temperature control door motor
15	Ground connection on cylinder head
250	Ground connection (in diesel engine pre-wiring harness)
281	Ground connection 1 (in engine pre-wiring harness)
L2	Connection (in A/C system wiring harness)

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sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Ground strap, battery to body, Ground connection in engine compartment, left, Ground connection (in headlamp washer system wiring harness), Ground connection on right A-pillar, Ground connection 2 in engine compartment, left, Transmission/engine ground connection, Connection 3 (in engine compartment wiring harness)

A	Battery
G61	Knock sensor 1
G62	Engine coolant temperature sensor
G66	Knock sensor 2
G71	Manifold absolute pressure sensor
G98	EGR temperature sensor
G609	Secondary air injection sensor 1
J104	ABS control module
J500	Power steering control module
J623	Engine control module
T2l	Double connector
T47	47-pin connector
T60	60-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
282	Ground connection (in headlamp washer system wiring harness)
638	Ground connection on right A-pillar
640	Ground connection 2 in engine compartment, left
652	Transmission/engine ground connection
D103	Connection 3 (in engine compartment wiring harness)

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Radio system , (8AN)

from July 2010

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Radio, External audio source connection, Fuse 1 (on fuse panel A), Fuse 8 (on fuse panel B)

A	Battery
B	Starter
C	Generator
R	Radio
R41	CD changer
R199	External audio source connection
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T3ag	3-pin connector
T12c	12-pin connector
T12d	12-pin connector
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system , (UF9)

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

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Multimedia system control module, Radio, External audio source connection

J650	Multimedia system control module
R	Radio
R199	External audio source connection
T4av	4-pin connector
T12c	12-pin connector
T12m	12-pin connector
T16b	16-pin connector
U41	USB connection 1
371	Ground connection 6 (in main wiring harness)
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	from July 2013

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
T20	20-pin connector
T54b	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	from July 2013

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sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio system RCD 210 , (8UR)

from July 2010

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Radio, Fuse 1 (on fuse panel A), Fuse 8 (on fuse panel B)

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Radio, CD changer

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
R	Radio
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer
*2	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left front treble speaker, Left front bass speaker, Right front treble speaker, Right front bass speaker

R	Radio
R20	Left front treble speaker
R21	Left front bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system RCD 310 , (8AP),(8AE),(8AG)

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Radio

A	Battery
B	Starter
C	Generator
R	Radio
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Vehicle electrical control module system, Radio, CD changer

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
R	Radio
R41	CD changer
R199	External audio source connection
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T12m	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer
*2	Depending on equipment

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Radio, Left rear treble speaker, Left rear bass speaker, Left front treble speaker, Left front bass speaker

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28b	28-pin connector, on the left B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Right rear treble speaker, Right rear bass speaker, Right front treble speaker, Right front bass speaker

R	Radio
R16	Right rear treble speaker
R17	Right rear bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar
T28c	28-pin connector, on the right B-pillar

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ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system RCD 510 , (8DD)

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Radio

A	Battery
B	Starter
C	Generator
J650	Multimedia system control module
R	Radio
R38	Telephone microphone
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T2ai	Double connector
T12g	12-pin connector
T12m	12-pin connector
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

R	Radio
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

R	Radio
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

R	Radio
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

J412	Cell phone operating electronics control module
J533	Data bus on board diagnostic interface
R	Radio
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
R199	External audio source connection
T4av	4-pin connector
T12c	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54b	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment
*2	from July 2013
*3	Only for vehicles with multimedia socket for external audio sources

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio system with digital sound package , (9VQ)

from July 2010

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Radio, Fuse 1 (on fuse panel A), Fuse 8 (on fuse panel B), Fuse 18 (on fuse panel B)

A	Battery
B	Starter
C	Generator
J412	Cell phone operating electronics control module
R	Radio
R199	External audio source connection
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SB18	Fuse 18 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T4av	4-pin connector
T12c	12-pin connector
T16b	16-pin connector
T40	40-pin connector
T54b	54-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	from July 2013
*2	Only for vehicles with multimedia socket for external audio sources

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, CD changer

J680	Terminal 75 power supply relay 1
R	Radio
R41	CD changer
R199	External audio source connection
T9m	9-pin connector
T12c	12-pin connector
T12cb	12-pin connector
T12d	12-pin connector
T16b	16-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
371	Ground connection 6 (in main wiring harness)
*	Only for vehicles with CD changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Amplifier

J533	Data bus on board diagnostic interface
R	Radio
R12	Amplifier
T16b	16-pin connector
T20	20-pin connector
T38	38-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio, Amplifier, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker, Left front treble speaker, Left front bass speaker, Right front treble speaker, Right front bass speaker, Left front midrange speaker, Right front midrange speaker

R	Radio
R12	Amplifier
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
R103	Left front midrange speaker
R104	Right front midrange speaker
T2b	Double connector
T2s	Double connector
T3	3-pin connector
T3a	3-pin connector
T4ab	4-pin connector
T4ac	4-pin connector
T16b	16-pin connector
T28	28-pin connector
T28a	28-pin connector
T28b	28-pin connector
T28c	28-pin connector
T38	38-pin connector
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Antenna, Antenna amplifier, Antenna amplifier 2, Side window antenna

E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
R11	Antenna
R24	Antenna amplifier
R111	Antenna amplifier 2
R191	Side window antenna
T8e	8-pin connector
T52b	52-pin connector
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Depending on equipment
*2	Only for vehicles with CD changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio navigation system RNS 310 , (7T8),(7T2)

from July 2010

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Radio/navigation display unit control module

A	Battery
B	Starter
C	Generator
J503	Radio/navigation display unit control module
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Radio/navigation display unit control module, Vehicle electrical system control module, CD changer

E20	Instrument panel and switch illumination dimmer switch
J503	Radio/navigation display unit control module
J519	Vehicle electrical system control module
R41	CD changer
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T52b	52-pin connector
370	Ground connection 5 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with CD changer

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Left front treble speaker, Left front bass speaker

J503	Radio/navigation display unit control module
R14	Left rear treble speaker
R15	Left rear bass speaker
R20	Left front treble speaker
R21	Left front bass speaker
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar
T28b	28-pin connector, on the left B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right rear treble speaker, Right rear bass speaker, Right front treble speaker, Right front bass speaker

J503	Radio/navigation display unit control module
R16	Right rear treble speaker
R17	Right rear bass speaker
R22	Right front treble speaker
R23	Right front bass speaker
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 2, Antenna amplifier 3

J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R11	Antenna
R24	Antenna amplifier
R50	GPS antenna
R93	Radio antenna 2
R111	Antenna amplifier 2
R112	Antenna amplifier 3
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Radio navigation system RNS 510 , (7T3),(7UL),(7T6)

from July 2010

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Radio/navigation display unit control module, Fuse 1 (on fuse panel A), Fuse 8 (on fuse panel B)

A	Battery
B	Starter
C	Generator
J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
R199	External audio source connection
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
SC28	Fuse 28 (on fuse panel C)
T4av	4-pin connector
T12c	12-pin connector
T40	40-pin connector
T54b	54-pin connector
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	from July 2013
*2	Only for vehicles with multimedia socket for external audio sources
*3	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

J503	Radio/navigation display unit control module
R18	Left frequency crossover, in the front passenger door
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

J503	Radio/navigation display unit control module
R19	Right frequency crossover, in the driver door
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
R36	Telephone transceiver
T16b	16-pin connector
T20	20-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Vehicle electrical system control module, CD changer

E20	Instrument panel and switch illumination dimmer switch
J503	Radio/navigation display unit control module
J519	Vehicle electrical system control module
R41	CD changer
T8e	8-pin connector
T12c	12-pin connector
T12d	12-pin connector
T16b	16-pin connector
T52b	52-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	If available

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 2, Antenna amplifier 3

J503	Radio/navigation display unit control module
R11	Antenna
R24	Antenna amplifier
R50	GPS antenna
R93	Radio antenna 2
R111	Antenna amplifier 2
R112	Antenna amplifier 3
T16b	16-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio navigation system, satellite , (QU4),(QV4)

from July 2010

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Radio/navigation display unit control module, Fuse 1 (on fuse panel A)

A	Battery
B	Starter
C	Generator
J503	Radio/navigation display unit control module
J650	Multimedia system control module
SA1	Fuse 1 (on fuse panel A)
SB8	Fuse 8 (on fuse panel B)
T12m	12-pin connector
T16b	16-pin connector
T40	40-pin connector
45	Ground connection behind instrument panel, center
370	Ground connection 5 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B224	Radio connection 1 (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left frequency crossover, Left front treble speaker, Left front bass speaker, Left front midrange speaker

J503	Radio/navigation display unit control module
R18	Left frequency crossover
R20	Left front treble speaker
R21	Left front bass speaker
R103	Left front midrange speaker
T12e	12-pin connector
T16b	16-pin connector
T28	28-pin connector, on the left A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Right frequency crossover, Right front treble speaker, Right front bass speaker, Right front midrange speaker

J503	Radio/navigation display unit control module
R19	Right frequency crossover
R22	Right front treble speaker
R23	Right front bass speaker
R104	Right front midrange speaker
T12f	12-pin connector
T16b	16-pin connector
T28a	28-pin connector, on the right A-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Left rear treble speaker, Left rear bass speaker, Right rear treble speaker, Right rear bass speaker

J503	Radio/navigation display unit control module
R14	Left rear treble speaker
R15	Left rear bass speaker
R16	Right rear treble speaker
R17	Right rear bass speaker
T16b	16-pin connector
T28b	28-pin connector, on the left B-pillar
T28c	28-pin connector, on the right B-pillar

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module

J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
J603	Vehicle location recognition control module
R199	External audio source connection
T4av	4-pin connector
T8h	8-pin connector
T12c	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54b	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	from July 2013
*2	Only for vehicles with multimedia socket for external audio sources

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Antenna, Antenna amplifier, GPS antenna, Radio antenna 2, Antenna amplifier 2, Antenna amplifier 3

J503	Radio/navigation display unit control module
R11	Antenna
R24	Antenna amplifier
R50	GPS antenna
R93	Radio antenna 2
R111	Antenna amplifier 2
R112	Antenna amplifier 3
R170	Satellite antenna

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cell phone universal preparation , (9ZA),(9ZB),(9ZR),(9ZT),(9W7),(UF0),(UF6),(UF9)

from July 2010

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Telephone transceiver, Telephone baseplate

A	Battery
B	Starter
C	Generator
R36	Telephone transceiver
R38	Telephone microphone
R126	Telephone baseplate
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
SC48	Fuse 48 (on fuse panel C)
T2ai	Double connector
T2ce	Double connector, behind the glove compartment
T10ad	10-pin connector
T40	40-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B226	Radio connection 3 (in interior wiring harness)
*	Component not contained in cell phone prep
*2	Depending on equipment
*3	Only for vehicles with telephone charging station

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Vehicle electrical control module system, Radio, Telephone transceiver, Telephone antenna, Telephone baseplate

E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J503	Radio/navigation display unit control module
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
R65	Telephone antenna
R126	Telephone baseplate
T2az	Double connector, near the roof antenna
T6av	6-pin connector
T8e	8-pin connector
T10ad	10-pin connector
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T52b	52-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with button module
*2	Through December 2010
*3	Only for vehicles with telephone charging station
*4	Only for vehicles with telephone charging station and cell phone operating electronics control module

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

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Cell phone preparation

from July 2010

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Cellular telephone preparation control head, Telephone transceiver, Telephone microphone, Fuse 1 (on fuse panel A), Fuse 9 (on fuse panel B)

A	Battery
B	Starter
C	Generator
E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J519	Vehicle electrical system control module
R36	Telephone transceiver
R38	Telephone microphone
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
SC48	Fuse 48 (on fuse panel C)
T2ai	Double connector
T6av	6-pin connector
T8e	8-pin connector
T40	40-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Depending on equipment
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Radio, Telephone transceiver

J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cell phone universal premium (UHV), Bluetooth , (9ZU),(9ZB),(9W3)

from July 2010

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Cellular telephone preparation control head, Telephone transceiver, Fuse 1 (on fuse panel A), Fuse 9 (on fuse panel B)

A	Battery
B	Starter
C	Generator
E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J519	Vehicle electrical control module system
R36	Telephone transceiver
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
SC48	Fuse 48 (on fuse panel C)
T6av	6-pin connector
T8e	8-pin connector
T40	40-pin connector
T52b	52-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Depending on equipment
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Radio, Telephone transceiver, Telephone microphone

J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
R38	Telephone microphone
T2ai	Double connector
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Only in vehicles with radio navigation system RNS 510
*2	Only for vehicles without a navigation system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Cell phone universal preparation , (9W2)

from July 2010

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Cellular telephone preparation control head, Telephone transceiver, Fuse 1 (on fuse panel A), Fuse 9 (on fuse panel B)

A	Battery
B	Starter
C	Generator
E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J519	Vehicle electrical control module system
R36	Telephone transceiver
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
SC48	Fuse 48 (on fuse panel C)
T6av	6-pin connector
T8e	8-pin connector
T40	40-pin connector
T52b	52-pin connector
T54	54-pin connector
47	Ground connection in right front footwell
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Depending on equipment
*2	Through December 2010

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Radio/navigation display unit control module, Radio, Telephone transceiver, Telephone microphone

J503	Radio/navigation display unit control module
J533	Data bus on board diagnostic interface
R	Radio
R36	Telephone transceiver
R38	Telephone microphone
T2ai	Double connector
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T54	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
*	Only for vehicles with Premium 8 radio system
*2	Only for vehicles with RCD 310/RCD 510 radio

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Keyless Access keyless locking and starting system

from December 2010

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Battery, Starter

A	Battery
B	Starter
SA5	Fuse 5 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SC20	Fuse 20 (on fuse panel C)
SC21	Fuse 21 (on fuse panel C)
T40	40-pin connector
1	Ground strap, battery to body
12	Ground connection in engine compartment, left
507	Terminal 30 threaded connection (on battery fuse holder)
652	Transmission/engine ground connection
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Driver exterior door handle touch sensor, Front passenger exterior door handle touch sensor, Access/start authorization control module, Driver access/start system antenna, Front passenger access/start system antenna, Access/start system antenna in rear bumper, Access/start system antenna in luggage compartment, Access/start system antenna 1 in vehicle interior

G415	Driver exterior door handle touch sensor
G416	Front passenger exterior door handle touch sensor
J518	Access/start authorization control module
R134	Driver access/start system antenna
R135	Front passenger access/start system antenna
R136	Access/start system antenna in rear bumper
R137	Access/start system antenna in luggage compartment
R138	Access/start system antenna 1 in vehicle interior
T4ce	4-pin connector
T4cf	4-pin connector
T28	28-pin connector
T28a	28-pin connector
T32d	32-pin connector

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Start system button, Access/start authorization control module, Vehicle electrical system control module, Electronic steering column lock control module

E378	Start system button
F319	Selector lever park position lock switch
J518	Access/start authorization control module
J519	Vehicle electrical system control module
J764	Electronic steering column lock control module
T4cd	4-pin connector
T10s	10-pin connector
T16s	16-pin connector
T32d	32-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A41	Positive connection (50) (in instrument panel wiring harness)
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 power supply relay, Vehicle electrical system control module, Terminal 50 power supply relay

J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J682	Terminal 50 power supply relay
SC1	Fuse 1 (on fuse panel C)
T2u	Double connector
T7b	7-pin connector
T9i	9-pin connector
T52a	52-pin connector
T52b	52-pin connector
Z21	Right washer nozzle heater
47	Ground connection in right front footwell
375	Ground connection 10 (in main wiring harness)
382	Ground connection 17 (in main wiring harness)
A2	Positive connection (15) (in instrument panel wiring harness)
A41	Positive connection (50) (in instrument panel wiring harness)
*	Only for vehicles without recuperation

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle GPS with start lock-out

from December 2010

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Battery

A	Battery
B	Starter
J301	A/C control module
J533	Data bus on board diagnostic interface
J682	Terminal 50 power supply relay
SC2	Fuse 2 (on fuse panel C)
SA5	Fuse 5 (on fuse panel A)
SB7	Fuse 7 (on fuse panel B)
SC14	Fuse 14 (on fuse panel C)
SC24	Fuse 24 (on fuse panel C)
T9b	9-pin connector
T20	20-pin connector
T20c	20-pin connector
T40	40-pin connector
1	Ground strap, battery to body
507	Terminal 30 threaded connection (on battery fuse holder)
A2	Positive connection (15) (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
A199	Positive connection 4 (15a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)
*	Depending on equipment
*2	Through June 2011
*3	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Terminal 15 power supply relay, Vehicle electrical system control module, Vehicle positioning system control module, GPS antenna, GSM antenna

J285	Instrument cluster control module
J329	Terminal 15 power supply relay
J519	Vehicle electrical system control module
J895	Vehicle positioning system control module
M4	Left tail lamp bulb
R50	GPS antenna
R205	GSM antenna
T2bs	Double connector
T2bt	Double connector
T5o	5-pin connector
T9i	9-pin connector
T16	16-pin connector
T20k	20-pin connector
T32c	32-pin connector
T52b	52-pin connector
367	Ground connection 2 (in main wiring harness)
369	Ground connection 4 (in main wiring harness)
602	Ground connection in left front footwell
662	Ground connection in left rear side panel
*	Through June 2011
*2	from July 2011

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Headlamps Bixenon HID with range control, cornering lamp, LED daytime running lamps , (8Q5),(8Q6)

from June 2012

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Terminal 15 power supply relay, Vehicle electrical control module system, Fuse panel B, Fuse panel C

A	Battery
J329	Terminal 15 power supply relay
J519	Vehicle electrical control module system
SB	Fuse panel B
SC	Fuse panel C
SC1	Fuse 1 (on fuse panel C)
SC5	Fuse 5 (on fuse panel C)
SC6	Fuse 6 (on fuse panel C)
SB7	Fuse 7 (on fuse panel B)
T9i	9-pin connector
T52b	52-pin connector
T52c	52-pin connector
367	Ground connection 2 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
602	Ground connection in left front footwell
605	Ground connection on upper steering column
A192	Positive connection 3 (15a) (in instrument panel wiring harness)
B163	Positive connection 1 (15) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left HID headlamp control module, Vehicle electrical control module system, Left HID headlamp bulb, Left front fog lamp bulb, Left daytime running lamp and position lamp LED module, Left front turn signal bulb, Left stationary cornering lamp

J343	Left HID headlamp control module, on the left headlamp
J519	Vehicle electrical control module system
J860	Left daytime running lamp and position lamp control module, on the left headlamp
L13	Left HID headlamp bulb
L22	Left front fog lamp bulb
L176	Left daytime running lamp and position lamp LED module
MX1	Left front headlamp
M5	Left front turn signal bulb
M51	Left stationary cornering lamp
T2dg	Double connector
T14l	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
A6	Left turn signal positive connection (in instrument panel wiring harness)
A84	Connection 58L (in instrument panel wiring harness)
E120	Connection 56b left (in instrument panel wiring harness)
*	Only for vehicles with fog lamps
*2	Diameter depends on equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Left headlamp power output module, Left headlamp beam adjustment motor, Left low beam headlamp reflector motor, Left adaptive cornering lamp motor

G474	Left swivel module position sensor
G695	Sensor for left variable headlamp positioning motor
J519	Vehicle electrical control module system
J667	Left headlamp power output module, on the left headlamp
MX1	Left front headlamp
T14l	14-pin connector
T52a	52-pin connector
V48	Left headlamp beam adjustment motor
V294	Left low beam headlamp reflector motor
V318	Left adaptive cornering lamp motor
V446	Left variable headlamp positioning motor
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)
E117	Connection 56a left (in instrument panel wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Left rear level control system sensor, Headlamp range control module, Vehicle electrical control module system, Data bus on board diagnostic interface, Diagnostic connection

G76	Left rear level control system sensor
J431	Headlamp range control module, on the right glove compartment
J519	Vehicle electrical control module system
J533	Data bus on board diagnostic interface, in the left footwell, near the center console
T4bx	4-pin connector
T16	16-pin connector
T20	20-pin connector
T26c	26-pin connector
U31	Diagnostic connection
382	Ground connection 17 (in main wiring harness)
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)
B383	Powertrain CAN bus high connection 1 (in main wiring harness)
B390	Powertrain CAN bus low connection 1 (in main wiring harness)
N5	Connection 4 (in headlamp range control wiring harness)
N6	Connection 5 (in headlamp range control wiring harness)
N7	Connection 6 (in headlamp range control wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Vehicle electrical control module system, Right headlamp power output module, Right headlamp beam adjustment motor, Right low beam headlamp reflector motor, Right adaptive cornering lamp motor

G475	Right swivel module position sensor
G696	Sensor for right variable headlamp positioning motor
J519	Vehicle electrical control module system
J668	Right headlamp power output module, on the right headlamp
MX2	Right front headlamp
T14r	14-pin connector
T52c	52-pin connector
V49	Right headlamp beam adjustment motor
V295	Right low beam headlamp reflector motor
V319	Right adaptive cornering lamp motor
V447	Right variable headlamp positioning motor
B229	High bus connection (in interior wiring harness)
B230	Low bus connection (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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Right HID headlamp control module, Vehicle electrical control module system, Right HID headlamp bulb, Right front fog lamp bulb, Right daytime running lamp and position lamp LED module, Right front turn signal bulb, Right stationary cornering lamp

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

J344	Right HID headlamp control module, on the right headlamp
J519	Vehicle electrical control module system
J861	Right daytime running lamp and position lamp control module, on the right headlamp
L14	Right HID headlamp bulb
L23	Right front fog lamp bulb
L177	Right daytime running lamp and position lamp LED module
MX2	Right front headlamp
M7	Right front turn signal bulb
M52	Right stationary cornering lamp
T2dh	Double connector
T14r	14-pin connector
T52a	52-pin connector
T52c	52-pin connector
376	Ground connection 11 (in main wiring harness)
378	Ground connection 13 (in main wiring harness)
655	Ground connection on left headlamp
656	Ground connection on right headlamp
A5	Right turn signal positive connection (in instrument panel wiring harness)
A85	Connection 58R (in instrument panel wiring harness)
B554	Fog lamp connection (in main wiring harness)
E119	Connection 56b right (in instrument panel wiring harness)
*	Diameter depends on equipment
*2	Only for vehicles with fog lamps

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Vehicle electrical control module system, Lighting control illumination bulb

E1	Light switch
E20	Instrument panel and switch illumination dimmer switch
J519	Vehicle electrical control module system
L105	Lighting control illumination bulb
T8e	8-pin connector
T10h	10-pin connector
T52a	52-pin connector
T52b	52-pin connector
T52c	52-pin connector
47	Ground connection in right front footwell
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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A/C system with manual control , (9AB)

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High pressure sensor, A/C control module

G65	High pressure sensor
J301	A/C control module
J680	Terminal 75 power supply relay 1
J682	Terminal 50 power supply relay
SC4	Fuse 4 (on fuse panel C)
SA5	Fuse 5 (on fuse panel A)
SC14	Fuse 14 (on fuse panel C)
SC40	Fuse 40 (on fuse panel C)
T3c	3-pin connector
T9b	9-pin connector
T20c	20-pin connector
47	Ground connection in right front footwell
367	Ground connection 2 (in main wiring harness)
372	Ground connection 7 (in main wiring harness)
375	Ground connection 10 (in main wiring harness)
402	Interior lighting ground connection (in interior wiring harness)
602	Ground connection in left front footwell
A2	Positive connection (15) (in instrument panel wiring harness)
A20	Positive connection 15a (in instrument panel wiring harness)
A33	Connection 75 (in instrument panel wiring harness)
A189	Positive connection 5 (30a) (in instrument panel wiring harness)
B169	Positive connection 1 (30) (in interior wiring harness)

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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A/C control module, A/C compressor regulator valve

E30	A/C switch
E159	Fresh air/recirculation door switch
E230	Rear window defogger button
G263	Evaporator vent temperature sensor
G267	Temperature selector knob potentiometer
J301	A/C control module
J527	Steering column electronics control module
J533	Data bus on board diagnostic interface
K10	Rear window defogger indicator lamp
K114	Fresh air and recirculation mode indicator lamp
N280	A/C compressor regulator valve
T4t	4-pin connector
T6k	6-pin connector
T10k	10-pin connector, on the heater
T16e	16-pin connector
T16p	16-pin connector
T20	20-pin connector
T20c	20-pin connector
V113	Recirculation door motor
376	Ground connection 11 (in main wiring harness)
381	Ground connection 16 (in main wiring harness)
655	Ground connection on left headlamp
B397	Comfort system CAN bus high connection 1 (in main wiring harness)
B406	Comfort system CAN bus low connection 1 (in main wiring harness)
*	The color of the wires depends on vehicle equipment

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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ws = white
sw = black
ro = red
rt = red
br = brown
gn = green
bl = blue
gr = grey
li = lilac
vi = lilac
ge = yellow
or = orange
rs = pink

Fresh air blower switch, A/C control module, Fresh air blower series resistor with fuse, Fresh air blower

E9	Fresh air blower switch
E94	Heated driver seat adjuster
E95	Heated front passenger seat adjuster
J301	A/C control module
J485	Auxiliary heater operation relay
J774	Front seat heating control module
N24	Fresh air blower series resistor with fuse
T4r	4-pin connector
T5	5-pin connector
T8v	8-pin connector
T10a	10-pin connector, under the driver seat
T10k	10-pin connector, on the heater
T20c	20-pin connector
V2	Fresh air blower
44	Ground connection on A-pillar, lower left
B431	Seat heating connection (in main wiring harness)
L5	Connection 1 (in A/C unit wiring harness)
L6	Connection 2 (in A/C unit wiring harness)
M45	Connection 5 (in driver seat wiring harness)
*	Only for vehicles with an auxiliary heater
*2	Only for vehicles with auxiliary water heater
*3	The color of the wires depends on vehicle equipment

Universal cell phone preparation , (9ZB),(9W7),(9ZA),(9ZN),(9ZR),(UF0),(UF6),(UF8),(UF9)

from July 2013

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Cell phone operating electronics control module, Cellular telephone

A	Battery
B	Starter
C	Generator
J412	Cell phone operating electronics control module
R54	Cellular telephone
SA1	Fuse 1 (on fuse panel A)
SB9	Fuse 9 (on fuse panel B)
SC48	Fuse 48 (on fuse panel C)
T10ad	10-pin connector
T40	40-pin connector
T54b	54-pin connector
47	Ground connection in right front footwell
371	Ground connection 6 (in main wiring harness)
379	Ground connection 14 (in main wiring harness)
507	Terminal 30 threaded connection (on battery fuse holder)
*	Component not contained in cell phone prep
*2	Only for vehicles with Start/Stop system
*3	Depending on equipment
*4	Only for vehicles without Start/Stop system

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

Cell phone operating electronics control module, Radio/ navigation display unit control module, Vehicle electrical system control module, Radio

E20	Instrument panel and switch illumination dimmer switch
E508	Cellular telephone preparation control head
J412	Cell phone operating electronics control module
J503	Radio/navigation display unit control module
J519	Vehicle electrical system control module
J533	Data bus on board diagnostic interface
R	Radio
R199	External audio source connection
T4av	4-pin connector
T6av	6-pin connector
T8e	8-pin connector
T12g	12-pin connector
T16b	16-pin connector
T20	20-pin connector
T52b	52-pin connector
T54b	54-pin connector
A178	Infotainment CAN bus high connection (in instrument panel wiring harness)
A179	Infotainment CAN bus low connection (in instrument panel wiring harness)
B238	Positive connection 2 (58b) (in interior wiring harness)
*	Only for vehicles with multimedia socket for external audio sources

ws	=	white
sw	=	black
ro	=	red
rt	=	red
br	=	brown
gn	=	green
bl	=	blue
gr	=	grey
li	=	lilac
vi	=	lilac
ge	=	yellow
or	=	orange
rs	=	pink

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1 Comp. Loc. Fuses

- ⇒ F1.1 use panel ASA ", page 1
- ⇒ F1.2 use panel BSB ", page 2
- ⇒ F1.3 use panel CSC ", page 22
- ⇒ C1.4 ircuit breaker, from July 2010", page 41

1.1 Fuse panel A -SA-

- ⇒ F1.1.1 use panel ASA, from July 2009", page 1

1.1.1 Fuse panel A -SA-, from July 2009

1 - Fuse panel A -SA-

SA1 - Fuse 1 on fuse panel A -SA1-

SA2 - Fuse 2 on fuse panel A -SA2-

SA3 - Fuse 3 on fuse panel A -SA3-

SA4 - Fuse 4 on fuse panel A -SA4-

SA5 - Fuse 5 on fuse panel A -SA5-

SA6 - Fuse 6 on fuse panel A -SA6-

SA7 - Fuse 7 on fuse panel A -SA7-

Tightening specifications:

⇒ Electrical Equipment, Repair Group 97, Removal and Installation, Fuse Panel

Fuse Colors

200 A - purple

150 A - gray

125 A - pink

100 A - blue

80 A - white

70 A - brown

60 A - yellow

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50 A - red

40 A - green

30 A - orange

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 on fuse panel A -SA1-	150A 200A	-	Generator -C- (90A/ 110A), (140 A), (+)	30
2	-	Fuse 2 on fuse panel A -SA2-	80A	-	Power steering control module -J500- (T2l/2) Electromechanical power steering motor -V187-	30 30
3	-	Fuse 3 on fuse panel A -SA3-	50A	-	Coolant fan -V7-	30
4	-	Fuse 4 on fuse panel A -SA4-	80A		High heat output relay -J360- (T6bg/1) [47], (T7/3)[48]	
5	-	Fuse 5 on fuse panel A -SA5-	80A	-	Fuse 12 on fuse panel C -SC12- Fuse 22 on fuse panel C -SC22- Fuse 43 on the fuse panel C -SC43- Fuse 44 on fuse panel C -SC44- Fuse 45 on fuse panel C -SC45-	30
6	-	Fuse 6 on fuse panel A -SA6-	40A	-	Low heat output relay -J359- (T9j/2)	30
7	-	Fuse 7 on fuse panel A -SA7-	-	-	Not used	-
8	-	Terminal 30 threaded connection (on battery fuse holder) -507-	-	-	Fuse 1 on fuse panel A -SA1- Fuse 2 on fuse panel A -SA2- Fuse 3 on fuse panel A -SA3- Fuse 4 on fuse panel A -SA4- Fuse 5 on fuse panel A -SA5- Fuse 6 on fuse panel A -SA6- Fuse 7 on fuse panel A -SA7-	30

[47] MY 10

[48] MY 11

1.2

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Fuse panel B -SB-

- ⇒ F1.2.1 use panel BSB, MY 2010", page 3
- ⇒ F1.2.2 use panel BSB, MY 2011", page 8
- ⇒ F1.2.3 use panel BSB, MY 2012 ", page 13
- ⇒ F1.2.4 use panel BSB, MY 2013 ", page 17

1.2.1 Fuse panel B -SB-, MY 2010

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1 - Fuse panel B -SB-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F1	-	Fuse 1 on fuse panel B -SB1-	-	-	Not used	-
F2	-	Fuse 2 on fuse panel B -SB2-	20A 30A	-	Coolant circulation pump relay -J151- (32) 1), DSG transmission Mechatronic -J743- (T25/9)2) DSG transmission Mechatronic -J743- (T25/9)3)	30a

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F3	-	Fuse 3 on fuse panel B -SB3-	5A	-	Battery monitoring control module -J367- [2] Vehicle electrical system control module -J519- (T52a/24)	30 Ref.
F4	-	Fuse 4 on fuse holder B -SB4-	20A	-	ABS control module -J104- (T47/32)	30a
F5	-	Fuse 5 on fuse holder B -SB5-	15A	-	DSG transmission Mechatronic -J743- (T20e/18), (T20e/11)[4)] DSG transmission Mechatronic -J743- (T25/25)[5)]	30a
F6	-	Fuse 6 on fuse panel B -SB6-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T20d/19) Fuse 47 on fuse panel C -SC47-	30a
F7	-	Fuse 7 on the fuse panel B -SB7-	40A	-	Terminal 15 power supply relay -J329- (T9i/2)	30a
F8	-	Fuse 8 on fuse panel B -SB8-	15A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Voltage stabilizer -J532- (T 10aj/2) Radio -R- (T16b/15), (T16b/16) Satellite radio -R146- (T8g/2) Fuse 8 on fuse panel C -SC8-	30a
F9	-	Fuse 9 on fuse panel B -SB9-	5A	-	Cell phone operating electronics control module -J412- (T54/1)	30a
F10	-	Fuse 10 on fuse holder B -SB10-	10A 5A	-	Motronic engine control module power supply relay -J271- (T40/15)[1)] Engine control module -J623- (T94/92)[1)] Motronic engine control module power supply relay -J271- (T40/15)[7)] Terminal 30 power supply relay -J317- (T40/15)[8)] Engine control module -J623- (T81/15), (T94/92)[9)]	30a
F11	-	Fuse 11 on fuse panel B -SB11-	20A	-	Auxiliary heater control module -J364- (T2g/1)	30a
F12	-	Fuse 12 on fuse panel B -SB12-	5A	-	Data bus on board diagnostic interface -J533- (T20/1)	30a
F13	-	Fuse 13 on fuse panel B -SB13-	15A 30A	-	Engine control module -J623- (T81/27)[9)], (T94/3), (T94/5), (T94/6)[1)], (T94/3), (T94/5)[11)], (T121/3)[12)] Engine control module -J623- (T94/3), (T94/5), (T94/6)[13)]	87a
F14	-	Fuse 14 on fuse panel B -SB14-	20A	-	Ignition coil 1 with power output stage -N70- (T4af/1)[1)], (3)[14)] Ignition coil 2 with power output stage -N127- (T4ag/1)[1)], (3)[14)] Ignition coil -N152- (T4aa/2)[12)] Fuel pressure regulator valve -N276- (2)[13)] Fuel metering valve -N290- (2)[13)] Ignition coil 3 with power output stage -N291- (T4ah/1)[1)], (3)[14)] ignition coil 4 with power output stage -N292- (T4ai/1)[1)], (3)[14)]	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F15	-	Fuse 15 (on fuse panel B) -SB15-	10A 5A	-	Heated oxygen sensor -G39- (T6w/4)[15], (T4am/1)[16] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[14] Cylinder 1 fuel injector -N30- (1)[10] Cylinder 2 fuel injector -N31- (1)[10] Cylinder 3 fuel injector -N32- (1)[10] Cylinder 4 fuel injector -N33- (1)[10] Leak detection pump -V144- (T3d/3)[1] Fuel pump relay -J17- (1A)[17] Automatic glow time control module -J179- (6)[17] Auxiliary fuel pump relay -J832- (1A)[17]	87a
F16	-	Fuse 16 on fuse panel B -SB16-	30A	-	Vehicle electrical system control module -J519- (T52c/42)	30a
F17	-	Fuse 17 on fuse panel B -SB17-	15A	-	Dual tone horn relay -J4- (3A)	30a
F18	-	Fuse 18 on fuse holder B -SB18-	30A	-	Digital sound system control module -J525- (T38/2)	30a
F19	-	Fuse 19 on fuse panel B -SB19-	30A	-	Wiper motor control module -J400- (T4p/1)	30a
F20	-	Fuse 20 on fuse panel B -SB20-	20A 10A	-	Fuel pressure regulator valve -N276- (1)[1] Coolant recirculation pump -V50- (1)[16] Recirculation pump -V55- (1)[15]	87a
F21	-	Fuse 21 (on fuse panel B) -SB21-	10A 15A 20A	-	Heated oxygen sensor -G39- (T6w/4)[18], (T6w/5)[2], (T6w/3)[12] Compressor magnetic clutch -N421- (T4ao/1)[1] Oxygen sensor -G39- (4am/1)[10] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[19] Compressor magnetic clutch -N421- (1)[15] Brake system vacuum pump -V192- (T4by/3)[16]	87a
F22	-	Fuse 22 on fuse panel B -SB22-	5A	-	Clutch position sensor -G476- (T5m/5)	87a
F23	-	Fuse 23 on fuse holder B -SB23-	5A 10A 15A	-	Secondary air pump relay -J299- (T40/8)[12] Coolant circulation pump relay -J151- (1), (3)[1] Wastegate bypass regulator valve -N75- (1)[2] Valve 2 for EGR -N213- (1)[13] Fuel pressure regulator valve -N276- (1)[20]	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F24	-	Fuse 24 (on fuse panel B) -SB24-	10A	-	Recirculation pump relay -J160- (2)[13] Auxiliary coolant pump relay -J496- (T40/8)[14] Engine component power supply relay -J757- (T40/8)[1] wastegate bypass regulator valve -N75- (1)[21] EVAP canister purge regulator valve 1 -N80- (1)[22] Intake manifold tuning valve -N156- (1)[12] Camshaft adjustment valve 1 -N205- (1)[21] Turbocharger recirculation valve -N249- (1)[21] Wastegate bypass regulator valve 2 -N274- (1)[1] Bank 2 turbocharger recirculation valve -N427- (1)[1] 4-pin connector -T4- (T4x/2)	87a
F25	-	Fuse 25 on fuse panel B -SB25-	40A	-	ABS control module -J104- (T26a/1), (T47/1)	30a
F26	-	Fuse 26 on fuse panel B -SB26-	30A	-	Vehicle electrical system control module -J519- (T52a/1)	30a
F27	-	Fuse 27 on fuse panel B -SB27-	50A 40A	-	Automatic glow time control module -J179- (11)[17] Secondary air injection pump motor -V101- (2)[12]	30a 87a
F28	-	Fuse 28 on fuel panel B -SB28-	-	-	Not used	-
F29	-	Fuse 29 (on fuse panel B) -SB29-	50A	-	Driver power seat adjustment circuit breaker -S44- Fuse 32 on fuse panel C -SC32- Fuse 39 on fuse panel C -SC39-	30a
F30	-	Fuse 30 on fuse panel B -SB30-	50A	-	Terminal 75 power supply relay 1 -J680- (T9m/2)	30a

[1]Engine code CCZA

[2]Engine codes CAYB and CAYC

[3]Engine codes BSE, BSF and CAVD. CCSA

[4]Direct Shift Gearbox 02E (DSG)

[5]Direct Shift Gearbox 0AM (DSG)

[7]Engine codes CAVD, CAXA, CBUA, CBTA and CGGA

[8]Engine codes BXE, CAYB, CAYC, CBDA and CBDB

[9]Engine codes CAVD, CAXA, CAYB, CAYC, CBDA, CBDB, CCCA and CCZA

[10]Engine code CGGA

[11]Engine codes CAVD, CAXA, CBUA and CBTA

[12]Engine codes BSE, BSF and CCSA

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13)Engine codes CAYB, CAYC, CJAA, CBDA and CBDB

14)Engine codes CAVD and CAXA

15)Engine code CAVD

16)Engine code CAXA

17)Engine codes BXE, CAYB, CAYC, CBDA, CBDB and CJAA

18)Engine codes CBDA, CBDB and CJAA

19)Engine codes BSE, BSF, CCSA, CGGA, CBTA and CBUA

21)Engine codes CAVD, CAXA and CCZA

22)Engine codes BSE, BSF, CAVD, CAXA, CCSA, CCZA and CGGA

1.2.2 Fuse panel B -SB-, MY 2011

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1 - Fuse panel B -SB-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F1	-	Fuse 1 on fuse panel B -SB1-	-	-	Not used	-
F2	-	Fuse 2 on fuse panel B -SB2-	30A	-	DSG transmission Mechatronic -J743- (T25/9)	30a
F3	-	Fuse 3 on fuse panel B -SB3-	5A	-	Battery monitoring control module -J367- (2) Vehicle electrical system control module -J519- (T52a/24)	30 Ref.
F4	-	Fuse 4 on fuse holder B -SB4-	20A	-	ABS control module -J104- (T47/32)	30a

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F5	-	Fuse 5 on fuse holder B -SB5-	15A	-	DSG transmission Mechatronic -J743- (T20e/18), (T20e/11)[4)] DSG transmission Mechatronic -J743- (T25/25)[5)]	30a
F6	-	Fuse 6 on fuse panel B -SB6-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T16p/1) Fuse 47 on fuse panel C -SC47-	30a
F7	-	Fuse 7 on the fuse panel B -SB7-	40A	-	Terminal 15 power supply relay -J329- (T9i/3)	30a
F8	-	Fuse 8 on fuse panel B -SB8-	15A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Voltage stabilizer -J532- (T 10aj/2) Radio -R- (T16b/15), (T16b/16) Fuse 28 on fuse panel C -SC28-	30a
F9	-	Fuse 9 on fuse panel B -SB9-	5A	-	Telephone transceiver -R36- (T54/1)	30a
F10	-	Fuse 10 on fuse holder B -SB10-	10A 5A	-	Motronic engine control module power supply relay -J271- (T40/15)[1)] Engine control module -J623- (T94/92)[1)] Motronic engine control module power supply relay -J271- (T40/15)[23)] Terminal 30 power supply relay -J317- (T40/15)[24)] Engine control module -J623- (T80/15)[10)], (T94/92)[25)]	30a
F11	-	Fuse 11 on fuse panel B -SB11-	20A	-	Auxiliary heater control module -J364- (T2g/1)	30a
F12	-	Fuse 12 on fuse panel B -SB12-	5A	-	Data bus on board diagnostic interface -J533- (T20/1)	30a
F13	-	Fuse 13 on fuse panel B -SB13-	15A 30A	-	Fuel pump relay -J17- (1A)[26)] Engine control module -J623- (T81/27)[10)], (T94/3), (T94/5), (T94/6)[10)], (T94/3), (T94/5)[23)], (T121/3)[12)] Engine control module -J623- (T94/3), (T94/5), (T94/6)[24)]	87a
F14	-	Fuse 14 on fuse panel B -SB14-	20A	-	Ignition coil 1 with power output stage -N70- (T4af/1)[27)], (3)[21)] Ignition coil 2 with power output stage -N127- (T4ag/1)[27)], (3)[21)] Ignition coil -N152- (T4aa/2)[28)] Fuel pressure regulator valve -N276- (2)[24)] Fuel metering valve -N290- (2)[24)] Ignition coil 3 with power output stage -N291- (T4ah/1)[27)], (3)[29)] Ignition coil 4 with power output stage -N292- (T4ai/1)[27)], (3)[29)] Ignition coil 5 with power output stage -N323- (T4aj/1)[26)]	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F15	-	Fuse 15 (on fuse panel B) -SB15-	5A 10A	-	Fuel pump relay -J17- (1A)[24] Automatic glow time control module -J179- (6)[24] Auxiliary fuel pump relay -J832- (1A)[30] Heated oxygen sensor -G39- (T6w/4)[14], (T6w/5)[31] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[23] Oxygen sensor in bank 1 center three way catalytic converter -G465- (T4v/1)[26] Low heat output relay -J359- (T9j/1) High heat output relay -J360- (T7/1) Cylinder 1 fuel injector -N30- (1)[10] Cylinder 2 fuel injector -N31- (1)[10] Cylinder 3 fuel injector -N32- (1)[10] Cylinder 4 fuel injector -N33- (1)[10] Leak detection pump -V144- (T3d/3)[1]	87a
F16	-	Fuse 16 on fuse panel B -SB16-	30A	-	Vehicle electrical system control module -J519- (T52c/42)	30a
F17	-	Fuse 17 on fuse panel B -SB17-	15A	-	Dual tone horn relay -J4- (3A)	30a
F18	-	Fuse 18 on fuse holder B -SB18-	30A	-	Special purpose vehicle control module -J608- (T12t/10) (T12t/12) Amplifier -R12- (T38/1) 8-pin connector -T8- (T8af/8)	30a
F19	-	Fuse 19 on fuse panel B -SB19-	30A	-	Wiper motor control module -J400- (T4p/1)	30a
F20	-	Fuse 20 on fuse panel B -SB20-	20A 10A	-	Fuel pressure regulator valve -N276- (1)[1] Coolant recirculation pump -V50- (1)	87a
F21	-	Fuse 21 (on fuse panel B) -SB21-	15A 10A 20A	-	Heated oxygen sensor -G39- (T4am/1)[10], (T6w/3)[12], (T6w/4)[26] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[33] Heated oxygen sensor -G39- (T6w/4)[30] (T6w/5)[2] Oxygen sensor after three way catalytic converter -G130- (T6af/4)[30] Compressor magnetic clutch -N421- (1)[15] Brake system vacuum pump -V192- (T4by/3)[16]	87a
F22	-	Fuse 22 on fuse panel B -SB22-	5A	-	Clutch position sensor -G476- (T5m/5)	87a
F23	-	Fuse 23 on fuse holder B -SB23-	10A 5A 15A	-	Mass air flow sensor -G70- (T5d/1)[30] Coolant circulation pump relay -J151- (1), (3)[1] Wastegate bypass regulator valve -N75- (1)[24] Valve 2 for EGR -N213- (1)[24] Secondary air pump relay -J299- (T40/8)[12] Secondary air pump relay -J299- (T40/8)[26] Secondary air injection solenoid valve -N112- (1)[26] Fuel pressure regulator valve -N276- (1)[32] Leak detection pump -V144- (T3d/3)	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F24	-	Fuse 24 (on fuse panel B) -SB24-	10A	-	Recirculation pump relay -J160- (2)[24] Throttle valve control module -J338- (2)[24] Auxiliary coolant pump relay -J496- (T40/8)[32] Auxiliary coolant pump relay -J496- (T40/8)[1] Wastegate bypass regulator valve -N75- (1)[32] EVAP canister purge regulator valve 1 -N80- (1)[12] Intake manifold tuning valve -N156- (1)[12] Camshaft adjustment valve 1 -N205- (1)[35] Turbocharger recirculation valve -N249- (1)[21] Wastegate bypass regulator valve 2 -N274- (1)[1] Bank 2 turbocharger recirculation valve -N427- (1)[1] 4-pin connector -T4- (T4x/2) Coolant fan -V7- (2)	87a
F25	-	Fuse 25 on fuse panel B -SB25-	40A	-	ABS control module -J104- (T26a/1), (T47/1)	30a
F26	-	Fuse 26 on fuse panel B -SB26-	30A	-	Vehicle electrical system control module -J519- (T52a/1)	30a
F27	-	Fuse 27 on fuse panel B -SB27-	40A 50A	-	Automatic glow time control module -J179- (T11b/11)[24] Secondary air injection pump motor -V101- (2)[19]	30a
F28	-	Fuse 28 on fuel panel B -SB28-	-	-	Not used	-
F29	-	Fuse 29 (on fuse panel B) -SB29-	50A	-	Driver power seat adjustment circuit breaker -S44- Fuse 18 on fuse panel C -SC18- Fuse 32 on fuse panel C -SC32- Fuse 39 on fuse panel C -SC39-	30a
F30	-	Fuse 30 on fuse panel B -SB30-	50A	-	Terminal 75 power supply relay 1 -J680- (T9m/2), (T7a/3)	30a

[1]Engine code CCZA

[2]Engine codes CAYB and CAYC

[4]Direct Shift Gearbox 02E (DSG)

[5]Direct Shift Gearbox 0AM (DSG)

[10]Engine code CGGA

[12]Engine codes BSE, BSF and CCSA

[14]Engine codes CAVD and CAXA

[15]Engine code CAVD

[16]Engine code CAXA

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19)Engine codes BSE, BSF, CBTA, CBUA, CCSA and CGGA

21)Engine codes CAVD, CAXA and CCZA

23)Engine codes BSE, BSF, CAVD, CAXA, CCSA, CCZA and CGGA

24)Engine codes CAYB, CAYC, CFHB, CFHC, CJAA and CLCA,

25)Engine codes CAVD, CAXA, CAYB, CAYC, CBTA, CBUA, CCCA, CFHB, CFHC, CJAA and CLCA

26)Engine codes CBTA, CBUA, CCCA

27)Engine code CBUA. CBTA, CCCA and CCZA

28)Engine codes BSE, BSF, CBZA, CBZB and CCSA

29)Engine codes CAVD, CAXA and CGGA

30)Engine codes CFHB, CFHC, CJAA and CLCA

31)Engine codes CBZA and CBZB

32)Engine codes CAXA, CAVD, CBZA and CBZB

33)Engine codes BSE, BSF, CCSA, CCZA and CGGA

34)Engine code CJAA

35)Engine codes CAVD, CAXA, CCZA, CBTA, CBUA and CCCA

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1.2.3 Fuse panel B -SB-, MY 2012

1 - Fuse panel B -SB-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F1	-	Fuse 1 on fuse panel B -SB1-	-	-	Not used	-
F2	-	Fuse 2 on fuse panel B -SB2-	30A	-	DSG transmission Mechatronic -J743- (T25/9)	30a
F3	-	Fuse 3 on fuse panel B -SB3-	5A	-	Battery monitoring control module -J367- (2) Vehicle electrical system control module -J519- (T52a/24)	30 Ref.
F4	-	Fuse 4 on fuse holder B -SB4-	20A	-	ABS control module -J104- (T47/32)	30a
F5	-	Fuse 5 on fuse holder B -SB5-	15A	-	DSG transmission Mechatronic -J743- (T20e/18), (T20e/11)[4)] DSG transmission Mechatronic -J743- (T25/25)[5)]	30a
F6	-	Fuse 6 on fuse panel B -SB6-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T16p/1) Fuse 47 on fuse panel C -SC47-	30a
F7	-	Fuse 7 on the fuse panel B -SB7-	40A	-	Terminal 15 power supply relay -J329- (T9i/3)	30a
F8	-	Fuse 8 on fuse panel B -SB8-	15A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Voltage stabilizer -J532- (T12z/1) Radio -R- (T16b/15), (T16b/16) Fuse 28 on fuse panel C -SC28-	30a
F9	-	Fuse 9 on fuse panel B -SB9-	5A	-	Telephone transceiver -R36- (T54/1)	30a
F10	-	Fuse 10 on fuse holder B -SB10-	10A 5A	-	Motronic engine control module power supply relay -J271- (T40/15)[1)] Engine control module -J623- (T94/92)[1)] Motronic engine control module power supply relay -J271- (T40/15)[23)] Terminal 30 power supply relay -J317- (T40/15)[24)] Engine control module -J623- (T80/15)[10)], (T94/92)	30a
F11	-	Fuse 11 on fuse panel B -SB11-	30A	-	Auxiliary heater control module -J364- (T2g/1)	30a
F12	-	Fuse 12 on fuse panel B -SB12-	5A	-	Data bus on board diagnostic interface -J533- (T20/1)	30a
F13	-	Fuse 13 on fuse panel B -SB13-	15A 30A	-	Fuel pump relay -J17- (1A)[26)] Engine control module -J623- (T81/27)[10)], (T94/3), (T94/5), (T94/6)[9)], (T94/3), (T94/5)[23)], (T121/3)[12)]	87a
F14	-	Fuse 14 on fuse panel B -SB14-	20A	-	Ignition coil 1 with power output stage -N70- (T4af/1)[27)], (3)[29)] Ignition coil 2 with power output stage -N127- (T4ag/1)[27)], (3)[29)] Ignition coil -N152- (T4aa/2)[28)] Fuel pressure regulator valve -N276- (2)[24)] Fuel metering valve -N290- (2)[24)] Ignition coil 3 with power output stage -N291- (T4ah/1)[27)], (3)[29)] Ignition coil 4 with power output stage -N292- (T4ai/1)[27)], (3)[29)] Ignition coil 5 with power output stage -N323- (T4aj/1)[29)]	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F15	-	Fuse 15 (on fuse panel B) -SB15-	5A 10A	-	Fuel pump relay -J17- (1A)[24] Automatic glow time control module -J179- (6)[24] Low heat output relay -J359- (T9j/1) High heat output relay -J360- (T7/1) Auxiliary fuel pump relay -J832- (1A)[30] Heated oxygen sensor -G39- (T6w/4)[14], (T6w/5)[31] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[23] Oxygen sensor in bank 1 center three way catalytic converter -G465- (T4v/1)[23] Low heat output relay -J359- (T9j/1) High heat output relay -J360- (T7/1) Cylinder 1 fuel injector -N30- (1)[10] Cylinder 2 fuel injector -N31- (1)[10] Cylinder 3 fuel injector -N32- (1)[10] Cylinder 4 fuel injector -N33- (1)[10] Leak detection pump -V144- (T3d/3)[1]	87a
F16	-	Fuse 16 on fuse panel B -SB16-	30A	-	Vehicle electrical system control module -J519- (T52c/42)	30a
F17	-	Fuse 17 on fuse panel B -SB17-	15A	-	Dual tone horn relay -J4- (3A)	30a
F18	-	Fuse 18 on fuse holder B -SB18-	30A	-	Amplifier -R12- (T38/2)	30a
F19	-	Fuse 19 on fuse panel B -SB19-	30A	-	Wiper motor control module -J400- (T4p/1)	30a
F20	-	Fuse 20 on fuse panel B -SB20-	20A 10A	-	Fuel pressure regulator valve -N276- (1)[1] Coolant recirculation pump -V50- (1) Recirculation pump -V55- (1)[15]	87a
F21	-	Fuse 21 (on fuse panel B) -SB21-	15A 10A 20A	-	Heated oxygen sensor -G39- (T4am/1)[10], (T6w/3)[12], (T6w/4)[26] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[33] Heated oxygen sensor -G39- (T6w/4)[30] (T6w/5)[2] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[21], (T6af/4)[30] Compressor magnetic clutch -N421- (1)[15] Brake system vacuum pump -V192- (T4by/3)[16]	87a
F22	-	Fuse 22 on fuse panel B -SB22-	5A	-	Clutch position sensor -G476- (T5m/5) Brake pedal switch -F47- (T4y/4)	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F23	-	Fuse 23 on fuse holder B -SB23-	10A 5A 15A	-	Mass air flow sensor -G70- (T5d/1)[30)] Fuel pump relay -J17- (1A), (3A)[1)] Wastegate bypass regulator valve -N75- (1)[24)] Valve 2 for EGR -N213- (1)[24)] Secondary air pump relay -J299- (T40/8)[12)] Fuel pump relay -J17- (1A), (3A)[1)] Secondary air pump relay -J299- (T40/8)[26)] Secondary air injection solenoid valve -N112- (1)[26)] Fuel pressure regulator valve -N276- (1)[32)] Leak detection pump -V144- (T3d/3)[26)]	87a
F24	-	Fuse 24 (on fuse panel B) -SB24-	10A	-	Recirculation pump relay -J160- (2)[24)] Throttle valve control module -J338- (2)[34)] Auxiliary coolant pump relay -J496- (T40/8)[32)] Engine component current supply relay -J757- (T40/8)[1)] Wastegate bypass regulator valve -N75- (1)[32)] EVAP canister purge regulator valve 1 -N80- (1) Intake manifold tuning valve -N156- (1)[12)] Camshaft adjustment valve 1 -N205- (1)[35)] Turbocharger recirculation valve -N249- (1)[21)] Wastegate bypass regulator valve 2 -N274- (1)[1)] Bank 2 turbocharger recirculation valve -N427- (1)[1)] 4-pin connector -T4- (T4x/2)	87a
F25	-	Fuse 25 on fuse panel B -SB25-	40A	-	ABS control module -J104- (T26a/1), (T47/1)	30a
F26	-	Fuse 26 on fuse panel B -SB26-	30A	-	Vehicle electrical system control module -J519- (T52a/1)	30a
F27	-	Fuse 27 on fuse panel B -SB27-	50A 40A	-	Automatic glow time control module -J179- (T11b/11)[24)] Secondary air injection pump motor -V101- (2)[19)]	30a
F28	-	Fuse 28 on fuel panel B -SB28-	-	-	Not used	-
F29	-	Fuse 29 (on fuse panel B) -SB29-	50A	-	Driver power seat adjustment circuit breaker -S44- Fuse 18 on fuse panel C -SC18- Fuse 32 on fuse panel C -SC32- Fuse 39 on fuse panel C -SC39-	30a
F30	-	Fuse 30 on fuse panel B -SB30-	50A	-	Terminal 75 power supply relay 1 -J680- (T7a/3)	30a

[1)]Engine code CCZA

[4)]Direct Shift Gearbox 02E (DSG)

[5)]Direct Shift Gearbox 0AM (DSG)

[9)]Engine codes CAVD, CAXA, CAYB, CAYC, CBDA, CBDB, CCCA and CCZA

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10)Engine code CGGA

12)Engine codes BSE, BSF and CCSA

14)Engine codes CAVD and CAXA

15)Engine code CAVD

16)Engine code CAXA

19)Engine codes BSE, BSF, CBTA, CBUA, CCSA and CGGA

20)Engine codes CAVD, CAXA, CBZA, CBZB and CCZA

21)Engine codes CAVD, CAXA and CCZA

23)Engine codes BSE, BSF, CAVD, CAXA, CCSA, CCZA and CGGA

24)Engine codes CAYB, CAYC, CFHB, CFHC, CJAA and CLCA,

26)Engine codes CBTA, CBUA, CCCA

27)Engine code CBUA. CBTA, CCCA and CCZA

28)Engine codes BSE, BSF, CBZA, CBZB and CCSA

29)Engine codes CAVD, CAXA and CGGA

30)Engine codes CFHB, CFHC, CJAA and CLCA

31)Engine codes CBZA and CBZB

32)Engine codes CAXA, CAVD, CBZA and CBZB

33)Engine codes BSE, BSF, CCSA, CCZA and CGGA

34)Engine code CJAA

35)Engine codes CAVD, CAXA, CCZA, CBTA, CBUA and CCCA

36)Engine codes CAVD, CAXA, CAYB, CAYC, CBTA, CBUA, CBZA, CBZB, CCCA, CFHB, CFHC, CJAA and CLCA

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1.2.4 Fuse panel B -SB-, MY 2013

1 - Fuse panel B -SB-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F1	-	Fuse 1 on fuse panel B -SB1-	-	-	Not used	-
F2	-	Fuse 2 on fuse panel B -SB2-	30A	-	DSG transmission Mechatronic -J743- (T25/9)	30a
F3	-	Fuse 3 on fuse panel B -SB3-	5A	-	Battery monitoring control module -J367- (2) Vehicle electrical system control module -J519- (T52a/24)	30
F4	-	Fuse 4 on fuse holder B -SB4-	20A	-	ABS control module -J104- (T47/32)	30a
F5	-	Fuse 5 on fuse holder B -SB5-	15A	-	DSG transmission Mechatronic -J743- (T20e/18)[2] (T20e/11)[2] (T25/25)[3]	30a
F6	-	Fuse 6 on fuse panel B -SB6-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T16p/1)	30a
F7	-	Fuse 7 on the fuse panel B -SB7-	40A	-	Terminal 15 power supply relay -J329- (T9i/3)	30a
F8	-	Fuse 8 on fuse panel B -SB8-	15A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Voltage stabilizer -J532- (T12z/1) Radio -R- (T16b/15), (T16b/16)	30a
F9	-	Fuse 9 on fuse panel B -SB9-	5A	-	Telephone transceiver -R36- (T54/1)	30a
F10	-	Fuse 10 on fuse holder B -SB10-	10A[1] 5A	-	Motronic engine control module power supply relay -J271- (T40/15)[31] Terminal 30 power supply relay -J317- (T40/15)[11] Engine control module -J623- (T80/15)[5], (T94/92)[31]	30a
F11	-	Fuse 11 on fuse panel B -SB11-	30A	-	Auxiliary heater control module -J364- (T2g/1)	30a
F12	-	Fuse 12 on fuse panel B -SB12-	5A	-	Data bus on board diagnostic interface -J533- (T20/1)	30a
F13	-	Fuse 13 on fuse panel B -SB13-	15A 30A[11]	-	Fuel pump relay -J17- (1A)[7] Engine control module -J623- (T80/27)[5] (T94/3), (T94/5), (T94/6)[4] (T121/3)[6]	87a
					Ignition coil 1 with power output stage -N70- (T4af/1)[8], (3)[9]	

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
F14	-	Fuse 14 on fuse panel B -SB14-	20A 15A[20]	-	Ignition coil 2 with power output stage -N127- (T4ag/1)[8], (3)[9] Ignition coil -N152- (T4aa/2)[10] Fuel pressure regulator valve -N276- (2)[11] Fuel metering valve -N290- (2)[11] Ignition coil 3 with power output stage -N291- (T4ah/1)[8], (3)[9] Ignition coil 4 with power output stage -N292- (T4ai/1)[8], (3)[9] Ignition coil 5 with power output stage -N323- (T4aj/1)[9]	87a
F15	-	Fuse 15 (on fuse panel B) -SB15-	5A[11] 10A	-	Fuel pump relay -J17- (1A)[11] Automatic glow time control module -J179- (6)[11] Low heat output relay -J359- (T9j/1) High heat output relay -J360- (T7/1) Auxiliary fuel pump relay -J832- (1A)[12] Heated oxygen sensor -G39- (T6w/4)[13], (T6w/5)[14] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[15] Oxygen sensor in bank 1 center three way catalytic converter -G465- (T4v/1)[15] Cylinder 1 fuel injector -N30- (1)[5] Cylinder 2 fuel injector -N31- (1)[5] Cylinder 3 fuel injector -N32- (1)[5] Cylinder 4 fuel injector -N33- (1)[5] Leak detection pump -V144- (T3d/3)[1]	87a
F16	-	Fuse 16 on fuse panel B -SB16-	30A	-	Vehicle electrical system control module -J519- (T52c/42)	30a
F17	-	Fuse 17 on fuse panel B -SB17-	15A	-	Dual tone horn relay -J4- (3A)	30a
F18	-	Fuse 18 on fuse holder B -SB18-	30A	-	Amplifier -R12- (T38/2)	30a
F19	-	Fuse 19 on fuse panel B -SB19-	30A	-	Wiper motor control module -J400- (T4p/1)	30a
F20	-	Fuse 20 on fuse panel B -SB20-	10A 15A[1]	-	Fuel pressure regulator valve -N276- (1)[1] Coolant recirculation pump -V50- (1) Recirculation pump -V55- (1)[16]	87a
F21	-	Fuse 21 (on fuse panel B) -SB21-	15A[34] 10A[35] 20A[18]	-	Heated oxygen sensor -G39- (T4am/1)[5], (T6w/3)[6], (T6w/4)[7] (T6w/5)[17] Oxygen sensor after three way catalytic converter -G130- (T4ao/1)[15] Compressor magnetic clutch -N421- (1)[16]	87a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
					Brake system vacuum pump -V192- (T4by/3)[18]	
F22	-	Fuse 22 on fuse panel B -SB22-	5A	-	Clutch position sensor -G476- (T5m/5) Brake pedal switch -F47- (T4y/4)	87a
F23	-	Fuse 23 on fuse holder B -SB23-	10A[36] 5A[6] 15A[19]	-	Mass air flow sensor -G70- (T5d/1)[12] Fuel pump relay -J17- (1A)[1] (3A)[1] Wastegate bypass regulator valve -N75- (1)[11] Valve 2 for EGR -N213- (1)[11] Secondary air pump relay -J299- (T40/8)[32] Secondary air injection solenoid valve -N112- (1)[7] Fuel pressure regulator valve -N276- (1)[19] Leak detection pump -V144- (T3d/3)[7]	87a
F24	-	Fuse 24 (on fuse panel B) -SB24-	10A	-	Recirculation pump relay -J160- (2)[11] Coolant fan control module -J293- (T4x/2) Throttle valve control module -J338- (2)[20] Auxiliary coolant pump relay -J496- (T40/8)[19] Engine component current supply relay -J757- (T40/8)[1] Wastegate bypass regulator valve -N75- (1)[19] EVAP canister purge regulator valve 1 -N80- (1) Intake manifold tuning valve -N156- (1)[6] Camshaft adjustment valve 1 -N205- (1)[21] Turbocharger recirculation valve -N249- (1)[22] Wastegate bypass regulator valve 2 -N274- (1)[1] Bank 2 turbocharger recirculation valve -N427- (1)[1]	87a
F25	-	Fuse 25 on fuse panel B -SB25-	40A	-	ABS control module -J104- (T26a/1), (T47/1)	30a
F26	-	Fuse 26 on fuse panel B -SB26-	30A	-	Vehicle electrical system control module -J519- (T52a/1)	30a
F27	-	Fuse 27 on fuse panel B -SB27-	50A[11] 40A[23]	-	Automatic glow time control module -J179- (T11b/11)[11] Secondary air injection pump motor -V101- (2)[23]	30a
F28	-	Fuse 28 on fuel panel B -SB28-	-	-	Not used	-
F29	-	Fuse 29 (on fuse panel B) -SB29-	50A	-	Driver power seat adjustment circuit breaker -S44- Fuse 18 on fuse panel C -SC18- Fuse 32 on fuse panel C -SC32-	30a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
					Fuse 39 on fuse panel C -SC39-	
F30	-	Fuse 30 on fuse panel B -SB30-	50A	-	Terminal 75 power supply relay 1 -J680- (T7a/3)	30a

1)Engine code CCZA

2)Direct Shift Gearbox 02E (DSG)

3)Direct Shift Gearbox 0AM (DSG)

4)Engine codes CCZA, CAYB, CAYC, CFHB, CFHC, CJAA and CLCA

5)Engine code CGGA

6)Engine codes BSE, BSF and CCSA

7)Engine codes CBTA, CBUA, CCCA

8)Engine code CBUA. CBTA, CCCA and CCZA

9)Engine codes CAVD, CAXA and CGGA

10)Engine codes BSE, BSF, CBZA, CBZB and CCSA

11)Engine codes CAYB, CAYC, CFHB, CFHC, CJAA and CLCA,

12)Engine codes CFHB, CFHC, CJAA and CLCA

13)Engine codes CAVD and CAXA

14)Engine codes CBZA and CBZB

15)Engine codes BSE, BSF, CAVD, CAXA, CCSA, CCZA and CGGA

16)Engine code CAVD

17)Engine codes CAYB and CAYC

18)Engine code CAXA

19)Engine codes CAXA, CAVD, CBZA and CBZB

20)Engine code CJAA

21)Engine codes CAVD, CAXA, CCZA, CBTA, CBUA and CCCA

22)Engine codes CAVD, CAXA and CCZA

23)Engine codes BSE, BSF, CBTA, CBUA, CCSA and CGGA

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31)Engine codes CAVD, CAYC, CAYB, CBTA, CBUA, CCSA, CGGA, CCZA and CAXA

32)Engine codes BSE, BSF, CCSA, CBTA, CBUA and CCSA

33)Engine codes CFHB, CFHC, CLCA, CJAA, CAYB, CAYC and CCZA

34)Engine codes CGGA, BSE, BSF, CCSA, CBTA, CBUA, CCCA and CCZA

35)Engine codes CAVD, CAYC, CFHB, CFHC, CJAA and CLCA

36)Engine codes CCZA, CBTA, CBUA, CCSA, CAYB, CAYC, CFHB, CFHC, CLCA and CJAA

1.3 Fuse panel C -SC-

- ⇒ F1.3.1 use panel CSC, MY 2010", page 22
- ⇒ F1.3.2 use panel CSC, MY 2011 ", page 27
- ⇒ F1.3.3 use panel CSC, MY 2012", page 32
- ⇒ F1.3.4 use panel CSC, MY 2013", page 36

1.3.1 Fuse panel C -SC-, MY 2010

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1 - Fuse panel C -SC-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 on fuse panel C -SC1-	10A	-	Instrument panel and switch illumination dimmer switch -E20- (T 8e/1) Intake air temperature sensor -G42- (T5d/3)[37)] Mass airflow sensor -G70- (T5d/3)[37)], (T3ar/3)[2)] Fresh air blower relay -J13- (4) Headlamp range control module -J431- (T26c/23) Auxiliary heater operation relay -J485- (4) Wastegate bypass regulator valve -N75- (2)[10)] Positive crankcase ventilation heating element -N79- (1)[38)] 16-pin connector -T16- under the instrument panel on the left side, unter Schalttafel links, diagnostic connection (T16/1) Left headlamp beam adjustment motor -V48- (T10i/1) Right headlamp beam adjustment motor -V49- (T10j/1)	15a
2	-	Fuse 2 on fuse panel C -SC2-	10A	-	Generator -C- (1) Light switch -E1- (T10h/4) Brake light switch -F- (T4y/4) Fuel pump relay -J17- (1)[39)] ABS control module -J104- (T47/8), (T26a/20) Instrument cluster control module -J285- (T32c/31) Towing recognition control module -J345-, (T12h/2) Simos control module power supply relay -J363- (T40/7)[12)] Power steering control module -J500- (T3ao/3) Voltage stabilizer -J532- (T 10aj/5) Data bus on board diagnostic interface -J533- (T20/14) Fuel pump control module -J538- (T10v/3)[21)] Selector lever sensor system control module -J587- (T10s/9) Engine control module -J623- (T81/4)[10)], (T94/87)[40)], (T121/62)[12)] Terminal 50 power supply relay -J682- (T6d/4), (T9b/4) DSG transmission Mechatronic -J743- (T25/10)[3)] Interior socket, 230V, 110V -U11- (T3ba/3)	15a
3	-	Fuse3 on fuse panel C -SC3-	5A	-	Airbag control module -J234- (T50/1), (T50/26), (T75/1), (T75/26) Front passenger airbag -disabled- indicator lamp -K145- (T4ag/1)	15a
4	-	Fuse 4 (on fuse panel C) -SC4-	5A	-	ASR/ESP button -E256- (T6ad/4) Garage door opener control head -E284- (3) Tire pressure monitoring display button -E492- (T6an/4) Back-up lamp switch -F4- (1) High pressure sensor -G65- (T3c/3) Air quality sensor -G238- (T3an/1) Oil level thermal sensor -G266- (1) Climatronic control module -J255- (T20c/16), (T20c/19) Parking Aid Control Module -J446- (T16m/1) Passenger occupant detection system control module -J706- (T18e/9) Automatic dimming interior rearview mirror -Y7- (T6am/1)	15a
5	-	Fuse 5 on fuse panel C -SC5-	10A	-	Right HID headlamp control module -J344- (T14d/4)	15a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
6	-	Fuse 6 on fuse panel C -SC6-	10A	-	Left HID headlamp control module -J343- (T14c/4)	15a
7	-	Fuse 7 (on fuse panel C) -SC7-	-	-	Not used	-
8	-	Fuse 8 on fuse panel C -SC8-	-	-	Not used	-
9	-	Fuse 9 on fuse panel C -SC9-	-	-	Not used	-
10	-	Fuse 10 on fuse panel C -SC10-	-	-	Not used	-
11	-	Fuse 11 on fuse panel C -SC11-	-	-	Not used	-
12	-	Fuse 12 (on fuse panel C) -SC12-	10A	-	Driver door control module -J386- (T20a/18) Front passenger door control module -J387- (T20b/18)	30 HNA
13	-	Fuse 13 on fuse panel C -SC13-	10A	-	Light switch -E1- (T10h/8) Rain/light recognition sensor -G397- (T3ae/1) Rear window defogger relay -J9- (T9n/4) Vehicle location recognition control module -J603- (T8h/1) 16-pin connector -T16- (T16/16), diagnostic connection	30 HNA
14	-	Fuse 14 on fuse panel C -SC14-	10A	-	Transmission Control Module -J217- (T52/3) Climatronic control module -J255- (T20c/18), (T20c/19), (T20c/20) Selector lever sensor system control module -J587- (T10s/10) Auxiliary engine coolant heater radio frequency receiver -R149- (T6j/1)	30a
15	-	Fuse 15 on use panel C -SC15-	20A	-	Vehicle electrical system control module -J519- (T52b/1)	30a
16	-	Fuse 16 on fuse panel C -SC16-	-	-	Not used	-
17	-	Fuse 17 on fuse panel C -SC17-	5A	-	Alarm horn -H12- (T3f/3) Dual tone horn relay -J4- (1) Vehicle electrical system control module -J519- (T52c/1)	30 HNA
18	-	Fuse 18 on fuse panel C -SC18-	-	-	Not used	-
19	-	Fuse 19 on fuse panel C -SC19-	-	-	Not used	-
20	-	Fuse 20 on fuse panel C -SC20-	-	-	Not used	-
21	-	Fuse 21 on fuse panel C -SC21-	-	-	Not used	-
22	-	Fuse 22 on fuse panel C -SC22-	40A	-	Fresh air blower -V2-, only for vehicles with Climatronic (T6t/4)	30 HNA
23	-	Fuse 23 on fuse panel C -SC23-	30A	-	Driver door control module -J386- (T20a/20) Front passenger door control module -J387- (T20b/20)	30 HNA
24	-	Fuse 24 on fuse panel C -SC24-	20A	-	Left rear door control module -J388- (T18b/11) Right rear door control module -J389- (T18c/11) Vehicle electrical system control module -J519-	30a
25	-	Fuse 25 on fuse panel C -SC25-	25A	-	Rear window defogger relay -J9- (T9n/2) Fresh air blower relay -J13- (3)	30 HNA
26	-	Fuse 26 on fuse panel C -SC26-	30A	-	Right rear door control module -J389- (T18b/10) Comfort system central control module -J393- (T18c/10)	30 HNA

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
27	-	Fuse 27 on fuse panel C -SC27-	15A	-	Fuel pump relay -J17- (3)[41)] Fuel pump relay 2 -J49- (32), (12) Fuel pump control module -J538- (T10v/1)[21)] Fuel primer relay -J643- (3), (12), (32)[10)] Auxiliary fuel pump relay -J832- (3)[45)]	30 HNA
28	-	Fuse 28 on ofuse panel C -SC28-	25A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Radio -R- (T16b/15), (T16b/16) Fuse 8 on fuse panel B -SB8-	30a
29	-	Fuse 29 on fuse panel C -SC29-	-	-	Not used	-
30	-	Fuse 30 on fuse panel C -SC30-	20A	-	Multifunction transmission range switch -F125- (T10n/10) Transmission Control Module -J217- (T52/28), (T52/27)	15a
31	-	Fuse 31 on fuse panel C -SC31-	20A	-	Brake system vacuum pump -V192- (T6ab/5)[12)]	15a
32	-	Fuse 32 on fuse panel C -SC32-	30A	-	Interior socket, 230V, 110V -U11- (T3ba/2)	30 HNA
33	-	Fuse 33 on fuse panel C -SC33-	25A	-	Power sunroof control module -J245- (T6c/1)	30 HNA
34	-	Fuse 34 on fuse panel C -SC34-	15A	-	Driver seat lumbar support adjustment switch -E176- (T6ah/4) Front passenger seat lumbar support adjustment switch -E177- (T6ai/4)	30 HNA
35	-	Fuse 35 on fuse panel C -SC35-	-	-	Not used	-
36	-	Fuse 36 on fuse panel C -SC36-	20A	-	Headlamp washer system relay -J39- (22), (32)	30 HNA
37	-	Fuse 37 on fuse panel C -SC37-	30A	-	Front seat heating control module -J774- (T8v/6), (T8v/3)	30 HNA
38	-	Fuse 38 on fuse panel C -SC38-	-	-	Not used	-
39	-	Fuse 39 on fuse panel C -SC39-	20A	-	Power sunroof control module -J245- (T6c/2)	30 HNA
40	-	Fuse 40 on fuse panel C -SC40-	40A	-	Auxiliary heater operation relay -J485- (2)	75a
41	-	Fuse 41 on fuse panel C -SC41-	20A	-	Rear window wiper motor -V12- (T4bv/4)	75a
42	-	Fuse 42 on fuse panel C -SC42-	20A	-	Blocking diode -J29- (1) Cigarette lighter -U1- (T3g/2) 12V socket -U5- (T3j/2)	75a
43	-	Fuse 43 on the fuse panel C -SC43-	15A	-	Towing recognition control module -J345-, (T12h/9)	30 HNA
44	-	Fuse 44 on fuse panel C -SC44-	20A	-	Towing recognition control module -J345-, (T12h/11)	30 HNA
45	-	Fuse 45 on fuse panel C -SC45-	15A	-	Towing recognition control module -J345-, (T12h/12)	30 HNA
46	-	Fuse 46 on fuse panel C -SC46-	-	-	Not used	-
47	-	Fuse 47 on fuse panel C -SC47-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T20d/19) Fuse 6 on fuse panel B -SB6-	30a
48	-	Fuse 48 on fuse panel C -SC48-	10A	-	Cell phone operating electronics control module -J412- (T54/1) Vehicle location recognition control module -J603- (T8h/1)	30a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
49	-	Fuse 49 on fuse panel C -SC49-	-	-	Not used	-

3)Engine codes BSE, BSF, CAVD and CCSA

10)Engine code CGGA

12)Engine codes BSE, BSF and CCSA

21)Engine codes CAVD, CAXA and CCZA

37)Engine codes CBDA, CBDB, CCZA and CJAA

38)Engine codes BSE, BSF, CAYB, CAYC and CCSA

39)Engine codes BSE, BSF, CCSA and CGGA

40)Engine codes CAVD, CAXA, CAYB, CAYC, CCZA, CBDA, CBDB and CEGA

41)Engine codes BSE, BSF, BXE, CAYB, CAYC, CBDA, CBDB, CCSA, CEGA and CGGA

45)Engine codes CBDA, CBDB and CEGA

1.3.2 Fuse panel C -SC-, MY 2011

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1 - Fuse panel C -SC-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 on fuse panel C -SC1-	10A	-	Instrument panel and switch illumination dimmer switch -E20- (T 8e/1) Intake air temperature sensor -G42- (T5d/5) Mass airflow sensor -G70- (T5d/3)[15], (T5d/5)[30] Fresh air blower relay -J13- (1) Headlamp range control module -J431- (T26c/23) Positive crankcase ventilation heating element -N79- (1)[42] 16-pin connector -T16- under the instrument panel on the left side, unter Schalttafel links, diagnostic connection (T16/1) Left headlamp beam adjustment motor -V48- (T10i/1) Right headlamp beam adjustment motor -V49- (T10j/1)	15a
2	-	Fuse 2 on fuse panel C -SC2-	10A	-	Light switch -E1- (T10h/4) Selector lever -E313- (T10s/9) Brake light switch -F- (T4y/4) Fuel pump relay -J17- (1)[43] ABS control module -J104- (T47/8), (T26a/20) Instrument cluster control module -J285- (T32c/31) Simos control module power supply relay -J363- (T40/7)[12] All wheel drive control module -J492- (T6bl/1) Power steering control module -J500- (T3ao/3) Data bus on board diagnostic interface -J533- (T20/14) Fuel pump control module -J538- (T10v/3)[20] Selector lever sensor system control module -J587- (T10s/9) Engine control module -J623- (T81/4)[10], (T94/87)[25], (T121/62)[12] Terminal 50 power supply relay -J682- (T9b/4) DSG transmission Mechatronic -J743- (T20e/13), DSG transmission 02E (T25/10)[5] Starter relay -J907- (T6d/2) Interior socket, 230V, 110V -U11- (T3ba/3)	15a
3	-	Fuse3 on fuse panel C -SC3-	5A	-	Airbag control module -J234- (T50/1), (T50/26), (T75/1), (T75/26) Front passenger airbag -disabled- indicator lamp -K145- (T4ag/1)	15a
4	-	Fuse 4 (on fuse panel C) -SC4-	5A	-	Anti-clip control switch -E132- (T6ad/4) ASR/ESP button -E256- (T6ad/4) Tire pressure monitoring display button -E492- (T6an/4) Start/Stop mode button -E693- (2), (4) Back-up lamp switch -F4- (1) High pressure sensor -G65- (T3c/3) Air quality sensor -G238- (T3an/1) Oil level thermal sensor -G266- (1) Climatronic control module -J255- (T20c/16), (T20c/19) Parking Aid Control Module -J446- (T16m/1) Passenger occupant detection system control module -J706- (T18e/9) Parallel parking assistance control module -J791- (T16m/1) Automatic dimming interior rearview mirror -Y7- (T8p/1)	15a
5	-	Fuse 5 on fuse panel C -SC5-	10A	-	Right HID headlamp control module -J344- (T14d/4)	15a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
6	-	Fuse 6 on fuse panel C -SC6-	10A	-	Left HID headlamp control module -J343- (T14c/4)	15a
7	-	Fuse 7 (on fuse panel C) -SC7-	-	-	Not used	-
8	-	Fuse 8 on fuse panel C -SC8-	-	-	Not used	-
9	-	Fuse 9 on fuse panel C -SC9-	-	-	Not used	-
10	-	Fuse 10 on fuse panel C -SC10-	-	-	Not used	-
11	-	Fuse 11 on fuse panel C -SC11-	-	-	Not used	-
12	-	Fuse 12 (on fuse panel C) -SC12-	10A	-	Driver door control module -J386- (T20a/18) Front passenger door control module -J387- (T20b/18)	30 HNA
13	-	Fuse 13 on fuse panel C -SC13-	10A	-	Light switch -E1- (T10h/8) Rain/light recognition sensor -G397- (T3ae/1) Rear window defogger relay -J9- (T9n/4) Vehicle location recognition control module -J603- (T8h/1) 16-pin connector -T16- under the instrument panel on the left side, diagnostic connection (T16/16)	30 HNA
14	-	Fuse 14 on fuse panel C -SC14-	10A	-	Selector lever -E313- (T10s/10) Transmission Control Module -J217- (T52/3) Climatronic control module -J255- (T20c/18), (T20c/19), (T20c/20) A/C control module -J301- (T 20c/19) Selector lever sensor system control module -J587- (T10s/10) Auxiliary engine coolant heater radio frequency receiver -R149- (T6j/1)	30a
15	-	Fuse 15 on use panel C -SC15-	20A	-	Vehicle electrical system control module -J519- (T52b/1)	30a
16	-	Fuse 16 on fuse panel C -SC16-	10A	-	Rearview camera -R189- (1)	30a
17	-	Fuse 17 on fuse panel C -SC17-	10A	-	Interior monitoring sensor -G273- (T3ad/1) Alarm horn -H12- (T3f/3) Dual tone horn relay -J4- (1) Vehicle electrical system control module -J519- (T52c/1)	30 HNA
18	-	Fuse 18 on fuse panel C -SC18-	-	-	Not used	-
19	-	Fuse 19 on fuse panel C -SC19-	-	-	Not used	-
20	-	Fuse 20 on fuse panel C -SC20-	-	-	Not used	-
21	-	Fuse 21 on fuse panel C -SC21-	-	-	Not used	-
22	-	Fuse 22 on fuse panel C -SC22-	40A	-	Fresh air blower -V2-, only for vehicles with Climatronic (T6t/4)	30 HNA
23	-	Fuse 23 on fuse panel C -SC23-	30A	-	Driver door control module -J386- (T20a/20) Front passenger door control module -J387- (T20b/20)	30 HNA
24	-	Fuse 24 on fuse panel C -SC24-	20A	-	Vehicle electrical system control module -J519- (T52b/42) Driver side rear door control module -J926- (T18b/11) Front passenger side rear door control module -J927- (T18c/11)	30a
25	-	Fuse 25 on fuse panel C -SC25-	25A	-	Rear window defogger relay -J9- (T9n/2) Auxiliary heater operation relay -J485- (3)	30 HNA

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
26	-	Fuse 26 on fuse panel C -SC26-	30A	-	Driver side rear door control module -J926- (T18b/10) Front passenger side rear door control module -J927- (T18c/10)	30 HNA
27	-	Fuse 27 on fuse panel C -SC27-	15A	-	Fuel pump relay -J17- (3)[44)] Fuel pump relay 2 -J49- (3B), (1B)[42)] Fuel pump control module -J538- (T10v/1)[20)] Fuel primer relay -J643- (1B), (3B)[27)], (3), (12), (32)[10)] Auxiliary fuel pump relay -J832- (3A)[30)]	30 HNA
28	-	Fuse 28 on ofuse panel C -SC28-	25A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Radio -R- (T16b/15), (T16b/16) Fuse 8 on fuse panel B -SB8-	30a
29	-	Fuse 29 on fuse panel C -SC29-	-	-	Driver power seat adjustment circuit breaker -S44- Fuse 36 on fuse panel C -SC36-	-
30	-	Fuse 30 on fuse panel C -SC30-	20A	-	Multifunction transmission range switch -F125- (T10n/10) Transmission Control Module -J217- (T52/28), (T52/27)	15a
31	-	Fuse 31 on fuse panel C -SC31-	20A	-	Brake system vacuum pump -V192- (T6ab/5)[12)]	15a
32	-	Fuse 32 on fuse panel C -SC32-	30A	-	Interior socket, 230V, 110V -U11- (T3ba/2)	30 HNA
33	-	Fuse 33 on fuse panel C -SC33-	25A	-	Power sunroof control module -J245- (T6c/1)	30 HNA
34	-	Fuse 34 on fuse panel C -SC34-	15A	-	Driver seat lumbar support adjustment switch -E176- (T6ah/4) Front passenger seat lumbar support adjustment switch -E177- (T6ai/4)	30 HNA
35	-	Fuse 35 on fuse panel C -SC35-	-	-	Not used	-
36	-	Fuse 36 on fuse panel C -SC36-	20A	-	Headlamp washer relay -J39- (2B), (3B)	30 HNA
37	-	Fuse 37 on fuse panel C -SC37-	30A	-	Front seat heating control module -J774- (T8v/6), (T8v/3)	30 HNA
38	-	Fuse 38 on fuse panel C -SC38-	-	-	Not used	-
39	-	Fuse 39 on fuse panel C -SC39-	20A	-	Power sunroof control module -J245- (T6c/2) Roof shade control module -J394- (T6c/2)	30 HNA
40	-	Fuse 40 on fuse panel C -SC40-	40A	-	Fresh air blower relay -J13- (3) A/C control module -J301- (T5/5)	75a
41	-	Fuse 41 on fuse panel C -SC41-	20A	-	Rear window wiper motor -V12- (T4bv/4)	75a
42	-	Fuse 42 on fuse panel C -SC42-	20A	-	Blocking diode -J29- (1) Cigarette lighter -U1- (T3g/2) 12V socket -U5- (T3j/2)	75a
43	-	Fuse 43 on the fuse panel C -SC43-	15A	-	Towing recognition control module -J345-, (T12h/9)	30 HNA
44	-	Fuse 44 on fuse panel C -SC44-	20A	-	Towing recognition control module -J345-, (T12h/11)	30 HNA
45	-	Fuse 45 on fuse panel C -SC45-	15A	-	Towing recognition control module -J345-, (T12h/12)	30 HNA
46	-	Fuse 46 on fuse panel C -SC46-	-	-	Not used	-

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
47	-	Fuse 47 on fuse panel C -SC47-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T20d/19) Fuse 6 on fuse panel B -SB6-	30a
48	-	Fuse 48 on fuse panel C -SC48-	10A	-	Cell phone operating electronics control module -J412- (T54/1) Vehicle location recognition control module -J603- (T8h/1) Telephone transceiver -R36- (T54/1)[46]	30STAB
49	-	Fuse 49 on fuse panel C -SC49-	-	-	Not used	-

[5] Direct Shift Gearbox 0AM (DSG)

[10] Engine code CGGA

[12] Engine codes BSE, BSF and CCSA

[15] Engine code CAVD

[20] Engine codes CAVD, CAXA, CBZA, CBZB and CCZA

[25] Engine codes CAVD, CAXA, CAYB, CAYC, CBTA, CBUA, CCCA, CFHB, CFHC, CJAA and CLCA

[27] Engine codes CBUA, CBTA, CCCA and CCZA

[30] Engine codes CFHB, CFHC, CJAA and CLCA

[39] Engine codes BSE, BSF, CCSA and CGGA

[42] Engine codes BSE, BSF, CAYB, CAYC, CCSA, CFHA, CFHB, CFHC and CJAA

[43] Engine codes BSE, BSF, CBTA, CBUA, CCCA, CCSA and CGGA

[44] Engine codes BSE, BSF, CAYB, CAYC, CBTA, CBUA, CCCA, CCSA, CFHB, CFHC, CJAA, CGGA and CLCA

[46] Engine codes CAYB, CAYC, CBZA and CBZB

1.3.3 Fuse panel C -SC-, MY 2012

1 - Fuse panel C -SC-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

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15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 on fuse panel C -SC1-	10A	-	Instrument panel and switch illumination dimmer switch -E20- (T 8e/1) Mass airflow sensor -G70- (T3ar/2)[2)], (T5d/3)[48)], (T5d/5)[30)] Headlamp range control module -J431- (T26c/23) Auxiliary heater operation relay -J485- (T9o/1) Positive crankcase ventilation heating element -N79- (1)[42)] 16-pin connector -T16- under the instrument panel on the left side, unter Schalttafel links, diagnostic connection (T16/1) Left headlamp beam adjustment motor -V48- (T10i/1) Right headlamp beam adjustment motor -V49- (T10j/1)	15a
2	-	Fuse 2 on fuse panel C -SC2-	10A	-	Light switch -E1- (T10h/4) Selector lever -E313- (T10s/9) Brake light switch -F- (T4y/4) Fuel pump relay -J17- (1)[39)] ABS control module -J104- (T47/8), (T26a/20) Instrument cluster control module -J285- (T32c/31) Towing recognition control module -J345-, (T12h/2) Simos control module power supply relay -J363- (T40/7)[12)] Power steering control module -J500- (T3ao/3) Voltage stabilizer -J532- (T12z/3) Data bus on board diagnostic interface -J533- (T20/14) Fuel pump control module -J538- (T10v/3)[20)] Selector lever sensor system control module -J587- (T10s/9) Engine control module -J623- (T80/4)[10)], (T94/87)[25)], (T121/62)[12)] Terminal 50 power supply relay -J682- (T9b/1) DSG transmission Mechatronic -J743- (T20e/13)[4)], (T25/10)[5)] Interface control unit for vehicle location system -J843- (T20/1) Starter relay 2 -J907- (T6d/2), (T7c/2) Interior socket, 230V, 110V -U11- (T3ba/3)	15a
3	-	Fuse3 on fuse panel C -SC3-	5A	-	Airbag control module -J234- (T50/1), (T50/26), (T75/1), (T75/26) Front passenger airbag -disabled- indicator lamp -K145- (T4ag/1)	15a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
4	-	Fuse 4 (on fuse panel C) -SC4-	5A	-	Anti-clip control switch -E132- (T6ad/4) ASR/ESP button -E256- (T6ad/4) Tire pressure monitoring display button -E492- (T6an/4) Start/Stop mode button -E693- (2), (4) Back-up lamp switch -F4- (1) High pressure sensor -G65- (T3c/3) Oil level thermal sensor -G266- (1) Climatronic control module -J255- (T20c/16), (T20c/19) Parking Aid Control Module -J446- (T16m/1) Passenger occupant detection system control module -J706- (T18e/9) Parallel parking assistance control module -J791- (T16m/1) Automatic dimming interior rearview mirror -Y7- (T8p/1) (T6am/1)	15a
5	-	Fuse 5 on fuse panel C -SC5-	10A	-	Right HID headlamp control module -J344- (T14d/4)	15a
6	-	Fuse 6 on fuse panel C -SC6-	10A	-	Left HID headlamp control module -J343- (T14c/4)	15a
7	-	Fuse 7 (on fuse panel C) -SC7-	-	-	Not used	-
8	-	Fuse 8 on fuse panel C -SC8-	-	-	Not used	-
9	-	Fuse 9 on fuse panel C -SC9-	-	-	Not used	-
10	-	Fuse 10 on fuse panel C -SC10-	-	-	Not used	-
11	-	Fuse 11 on fuse panel C -SC11-	-	-	Not used	-
12	-	Fuse 12 (on fuse panel C) -SC12-	-	-	Not used	-
13	-	Fuse 13 on fuse panel C -SC13-	10A	-	Light switch -E1- (T10h/8) Rain/light recognition sensor -G397- (T3ae/1) Rear window defogger relay -J9- (T9n/1) Vehicle location recognition control module -J603- (T8h/1) 16-pin connector -T16- under the instrument panel on the left side, diagnostic connection (T16/16)	30 HNA
14	-	Fuse 14 on fuse panel C -SC14-	10A	-	Transmission Control Module -J217- (T52/3) Climatronic control module -J255- (T20c/18), (T20c/19), (T20c/20) Selector lever sensor system control module -J587- (T10s/10) Interface control unit for vehicle location system -J843- (T20/2) Auxiliary engine coolant heater radio frequency receiver -R149- (T6j/1)	30a
15	-	Fuse 15 on use panel C -SC15-	20A	-	Vehicle electrical system control module -J519- (T52b/1)	30a
16	-	Fuse 16 on fuse panel C -SC16-	10A	-	Rearview camera -R189- (1)	30a
17	-	Fuse 17 on fuse panel C -SC17-	10A	-	Interior monitoring sensor -G273- (T3ad/1) Alarm horn -H12- (T3f/3) Dual tone horn relay -J4- (1) Vehicle electrical system control module -J519- (T52c/1)	30 HNA
18	-	Fuse 18 on fuse panel C -SC18-	-	-	Not used	-
19	-	Fuse 19 on fuse panel C -SC19-	-	-	Not used	-
20	-	Fuse 20 on fuse panel C -SC20-	10A	-	Access/start authorization control module -J518- (T32d/3)	30a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
21	-	Fuse 21 on fuse panel C -SC21-	10A	-	Electronic steering column lock control module -J764- (T16s/2)	30a
22	-	Fuse 22 on fuse panel C -SC22-	40A	-	Fresh air blower -V2-, only for vehicles with Climatronic (T6t/4)	30 HNA
23	-	Fuse 23 on fuse panel C -SC23-	30A	-	Driver door control module -J386- (T20a/20) Front passenger door control module -J387- (T20b/20)	30 HNA
24	-	Fuse 24 on fuse panel C -SC24-	20A	-	Vehicle electrical system control module -J519- (T52b/42)	30a
25	-	Fuse 25 on fuse panel C -SC25-	25A	-	Rear window defogger relay -J9- (T9n/2)	30 HNA
26	-	Fuse 26 on fuse panel C -SC26-	30A	-	Driver side rear door control module -J926- (T18b/10) Front passenger side rear door control module -J927- (T18c/10)	30 HNA
27	-	Fuse 27 on fuse panel C -SC27-	15A	-	Fuel pump relay -J17- (3)[44)] Fuel pump relay 2 -J49- (3B), (1B)[42)] Fuel pump control module -J538- (T10v/1)[20)] Fuel primer relay -J643- (1B), (3B)[27)], (3), (12), (32)[10)] Auxiliary fuel pump relay -J832- (3A)[30)]	30 HNA
28	-	Fuse 28 on ofuse panel C -SC28-	25A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Radio -R- (T16b/15), (T16b/16) Fuse 8 on fuse panel B -SB8-	30a
29	-	Fuse 29 on fuse panel C -SC29-	-	-	Not used	-
30	-	Fuse 30 on fuse panel C -SC30-	20A	-	Multifunction transmission range switch -F125- (T10n/10) Transmission Control Module -J217- (T52/28), (T52/27)	15a
31	-	Fuse 31 on fuse panel C -SC31-	-	-	Not used	-
32	-	Fuse 32 on fuse panel C -SC32-	30A	-	Interior socket, 230V, 110V -U11- (T3ba/2)	30 HNA
33	-	Fuse 33 on fuse panel C -SC33-	25A	-	Power sunroof control module -J245- (T6c/1)	30 HNA
34	-	Fuse 34 on fuse panel C -SC34-	15A	-	Driver seat lumbar support adjustment switch -E176- (T6ah/4) Front passenger seat lumbar support adjustment switch -E177- (T6ai/4)	30 HNA
35	-	Fuse 35 on fuse panel C -SC35-	-	-	Not used	-
36	-	Fuse 36 on fuse panel C -SC36-	20A	-	Headlamp washer relay -J39- (2B), (3B)	30a
37	-	Fuse 37 on fuse panel C -SC37-	30A	-	Front seat heating control module -J774- (T8v/6), (T8v/3)	30 HNA
38	-	Fuse 38 on fuse panel C -SC38-	-	-	Not used	-
39	-	Fuse 39 on fuse panel C -SC39-	20A	-	Power sunroof control module -J245- (T6c/2)	30 HNA
40	-	Fuse 40 on fuse panel C -SC40-	40A	-	A/C control module -J301- (T5/5) Auxiliary heater operation relay -J485- (T9o/3)	75a
41	-	Fuse 41 on fuse panel C -SC41-	20A	-	Rear window wiper motor -V12- (T4bv/4)	75a
42	-	Fuse 42 on fuse panel C -SC42-	20A	-	Blocking diode -J29- (1) Cigarette lighter -U1- (T3g/2) 12V socket -U5- (T3j/2)	75a
43	-	Fuse 43 on the fuse panel C -SC43-	15A	-	Towing recognition control module -J345-, (T12h/9)	30 HNA

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
44	-	Fuse 44 on fuse panel C -SC44-	20A	-	Towing recognition control module -J345-, (T12h/11)	30 HNA
45	-	Fuse 45 on fuse panel C -SC45-	15A	-	Towing recognition control module -J345-, (T12h/12)	30 HNA
46	-	Fuse 46 on fuse panel C -SC46-	-	-	Not used	-
47	-	Fuse 47 on fuse panel C -SC47-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T20d/19) Fuse 6 on fuse panel B -SB6-	30a
48	-	Fuse 48 on fuse panel C -SC48-	10A	-	Cell phone operating electronics control module -J412- (T54/1) Vehicle location recognition control module -J603- (T8h/1) Telephone transceiver -R36- (T54/1)[46)]	30STAB
49	-	Fuse 49 on fuse panel C -SC49-	-	-	Not used	-

[2)]Engine codes CAYB and CAYC

[4)]DSG transmission 02E (DSG)

[5)]DSG transmission 0AM (DSG)

[10)]Engine code CGGA

[12)]Engine codes BSE, BSF and CCSA

[20)]Engine codes CAVD, CAXA, CBZA, CBZB and CCZA

[25)]Engine codes CAVD, CAXA, CAYB, CAYC, CBTA, CBUA, CCCA, CFHB, CFHC, CJAA and CLCA

[27)]Engine codes CBUA, CBTA, CCCA and CCZA

[30)]Engine codes CFHB, CFHC, CJAA and CLCA

[39)]Engine codes BSE, BSF, CCSA and CGGA

[42)]Engine codes BSE, BSF, CAYB, CAYC, CCSA, CFHB, CFHC, CJAA and CLCA

[44)]Engine codes BSE, BSF, CAYB, CAYC, CBTA, CBUA, CCCA, CCSA, CFHB, CFHC, CJAA, CGGA and CLCA

[46)]Engine codes CAYB, CAYC, CBZA and CBZB

[48)]Engine codes CAVD and CCZA

1.3.4 Fuse panel C -SC-, MY 2013

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1 - Fuse panel C -SC-

Fuse Colors

30 A - green

25 A - white

20 A - yellow

15 A - blue

10 A - red

7.5 A - brown

5 A - light-brown

3 A - purple

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 on fuse panel C -SC1-	10A	-	Instrument panel and switch illumination dimmer switch -E20- (T 8e/1) Mass airflow sensor -G70- (T3ar/2)[17], (T5d/3)[1], (T5d/5)[15] Headlamp range control module -J431- (T26c/23) Auxiliary heater operation relay -J485- (T9o/1)	15a

No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
					Positive crankcase ventilation heating element -N79- (1)[24)] 16-pin connector -T16- (T16/1), diagnostic connection Left headlamp beam adjustment motor -V48- (T10i/1) Right headlamp beam adjustment motor -V49- (T10j/1)	
2	-	Fuse 2 on fuse panel C -SC2-	10A	-	Light switch -E1- (T10h/4) Selector lever -E313- (T10s/9) Fuel pump relay -J17- (1)[25)] ABS control module -J104- (T47/8), (T26a/20) Instrument cluster control module -J285- (T32c/31) Towing recognition control module -J345-, (T12h/2) Simos control module power supply relay -J363- (T40/7)[6)] Power steering control module -J500- (T3ao/3) All wheel drive control module -J492- (T6bt/1) Voltage stabilizer -J532- (T12z/3) Data bus on board diagnostic interface -J533- (T20/14) Fuel pump control module -J538- (T10v/3)[25)] Selector lever sensor system control module -J587- (T10s/9) Engine control module -J623- (T80/4)[5)] (T94/87)[27)] (T121/62)[6)] Terminal 50 power supply relay -J682- (T9b/1) DSG transmission Mechatronic -J743- (T20e/13)[2)], (T25/10)[3)] Vehicle positioning system control module -J895- (T20k/1) Starter relay -J907- (T7c/2) Interior socket, 230V, 110V -U11- (T3ba/3)	15a
3	-	Fuse3 on fuse panel C -SC3-	5A	-	Airbag control module -J234- (T50/1), (T50/26), (T75/1), (T75/26) Front passenger airbag -disabled- indicator lamp -K145- (T4ag/1)	15a
4	-	Fuse 4 (on fuse panel C) -SC4-	5A	-	Start/Stop System main switch -E101- (T6bx/2), (T6bx/4) Anti-clip control switch -E132- (T6ad/4) ASR/ESP button -E256- (T6ad/4) Tire pressure monitoring display button -E492- (T6an/4) Back-up lamp switch -F4- (1) High pressure sensor -G65- (T3c/3) Air quality sensor -G238- (T3an/1) Oil level thermal sensor -G266- (1)	15a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
					Climatronic control module -J255- (T20c/16), (T20c/19) Parking Aid Control Module -J446- (T16m/1) Passenger occupant detection system control module -J706- (T18e/9) Parallel parking assistance control module -J791- (T16m/1) Automatic dimming interior rearview mirror -Y7- (T6am/1), (T8p/1)	
5	-	Fuse 5 on fuse panel C -SC5-	10A	-	Right HID headlamp control module -J344- (T14d/4)	15a
6	-	Fuse 6 on fuse panel C -SC6-	10A	-	Left HID headlamp control module -J343- (T14c/4)	15a
7	-	Fuse 7 (on fuse panel C) -SC7-	-	-	Not used	-
8	-	Fuse 8 on fuse panel C -SC8-	-	-	Not used	-
9	-	Fuse 9 on fuse panel C -SC9-	-	-	Not used	-
10	-	Fuse 10 on fuse panel C -SC10-	-	-	Not used	-
11	-	Fuse 11 on fuse panel C -SC11-	-	-	Not used	-
12	-	Fuse 12 (on fuse panel C) -SC12-	-	-	Not used	-
13	-	Fuse 13 on fuse panel C -SC13-	10A	-	Light switch -E1- (T10h/8) Rain/light recognition sensor -G397- (T3ae/1) Rear window defogger relay -J9- (T9n/1) Vehicle location recognition control module -J603- (T8h/1) 16-pin connector -T16- under the instrument panel on the left side, diagnostic connection (T16/16)	30
14	-	Fuse 14 on fuse panel C -SC14-	10A	-	Heater/heat output switch -E16- (T20c/18) Transmission Control Module -J217- (T52/3) Climatronic control unit -J255- (T20c/20) A/C control module -J301- (T 20c/19) Selector lever sensor system control module -J587- (T10s/10) Vehicle positioning system control module -J895- (T20k/2) Auxiliary engine coolant heater radio frequency receiver -R149- (T6j/1)	30a
15	-	Fuse 15 on use panel C -SC15-	20A	-	Vehicle electrical system control module -J519- (T52b/1)	30a
16	-	Fuse 16 on fuse panel C -SC16-	10A	-	Rearview camera -R189- (T4bj/1)	30a
17	-	Fuse 17 on fuse panel C -SC17-	10A	-	Interior monitoring sensor -G273- (T3ad/1) Alarm horn -H12- (T3f/3) Dual tone horn relay -J4- (1A) Vehicle electrical system control module -J519- (T52c/1)	30
18	-	Fuse 18 on fuse panel C -SC18-	-	-	Not used	-

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
19	-	Fuse 19 on fuse panel C -SC19-	-	-	Not used	-
20	-	Fuse 20 on fuse panel C -SC20-	10A	-	Access/start authorization control module -J518- (T32d/3)	30a
21	-	Fuse 21 on fuse panel C -SC21-	10A	-	Electronic steering column lock control module -J764- (T16s/2)	30a
22	-	Fuse 22 on fuse panel C -SC22-	40A	-	Fresh air blower -V2- (T6t/4)[31)]	30
23	-	Fuse 23 on fuse panel C -SC23-	30A	-	Driver door control module -J386- (T20a/20) Front passenger door control module -J387- (T20b/20)	30
24	-	Fuse 24 on fuse panel C -SC24-	20A	-	Vehicle electrical system control module -J519- (T52b/42)	30a
25	-	Fuse 25 on fuse panel C -SC25-	25A	-	Rear window defogger relay -J9- (T9n/2) Fresh air blower relay -J13- (449)	30
26	-	Fuse 26 on fuse panel C -SC26-	30A	-	Driver side rear door control module -J926- (T18b/10) Front passenger side rear door control module -J927- (T18c/10)	30
27	-	Fuse 27 on fuse panel C -SC27-	15A	-	Fuel pump relay -J17- (3A)[28)] Fuel pump relay 2 -J49- (3B)[12)], (1B)[12)] Fuel pump control module -J538- (T10v/1)[26)] Fuel primer relay -J643- (1B)[29)] (3B)[29)] Auxiliary fuel pump relay -J832- (3)[12)]	30
28	-	Fuse 28 on ofuse panel C -SC28-	25A	-	Radio/navigation display unit control module -J503- (T16b/15), (T16b/16) Radio -R- (T16b/15), (T16b/16)	30a
29	-	Fuse 29 on fuse panel C -SC29-	-	-	Not used	-
30	-	Fuse 30 on fuse panel C -SC30-	20A	-	Multifunction transmission range switch -F125- (T10n/10) Transmission Control Module -J217- (T52/28), (T52/27)	15a
31	-	Fuse 31 on fuse panel C -SC31-	-	-	Not used	-
32	-	Fuse 32 on fuse panel C -SC32-	30A	-	Interior socket, 230V, 110V -U11- (T3ba/2)	30
33	-	Fuse 33 on fuse panel C -SC33-	25A	-	Power sunroof control module -J245- (T6c/1)	30
34	-	Fuse 34 on fuse panel C -SC34-	15A	-	Driver seat lumbar support adjustment switch -E176- (T6ah/4) Front passenger seat lumbar support adjustment switch -E177- (T6ai/4)	30
35	-	Fuse 35 on fuse panel C -SC35-	-	-	Not used	-
36	-	Fuse 36 on fuse panel C -SC36-	20A	-	Headlamp washer relay -J39- (2B), (3B)	30a
37	-	Fuse 37 on fuse panel C -SC37-	30A	-	Front seat heating control module -J774- (T8v/6), (T8v/3)	30
38	-	Fuse 38 on fuse panel C -SC38-	-	-	Not used	-
39	-	Fuse 39 on fuse panel C -SC39-	20A	-	Power sunroof control module -J245- (T6c/2)	30
40	-	Fuse 40 on fuse panel C -SC40-	40A	-	A/C control module -J301- (T5/5)	75a

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No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
					Auxiliary heater operation relay -J485- (T9o/3)	
41	-	Fuse 41 on fuse panel C -SC41-	20A	-	Rear window wiper motor -V12- (T4bv/4)	75a
42	-	Fuse 42 on fuse panel C -SC42-	20A	-	Blocking diode -J29- (1) Cigarette lighter -U1- (T3g/2), (T3j/2) 12 V socket -U5-	75a
43	-	Fuse 43 on the fuse panel C -SC43-	15A	-	Towing recognition control module -J345-, (T12h/9)	30
44	-	Fuse 44 on fuse panel C -SC44-	20A	-	Towing recognition control module -J345-, (T12h/11)	30
45	-	Fuse 45 on fuse panel C -SC45-	15A	-	Towing recognition control module -J345-, (T12h/12)	30
46	-	Fuse 46 on fuse panel C -SC46-	-	-	Not used	-
47	-	Fuse 47 on fuse panel C -SC47-	5A	-	Instrument cluster control module -J285- (T32c/32) Steering column electronics control module -J527- (T16p/1)	30a
48	-	Fuse 48 on fuse panel C -SC48-	10A	-	Cell phone operating electronics control module -J412- (T54/1) Vehicle location recognition control module -J603- (T8h/1) Telephone transceiver -R36- (T54/1)[30]	30
49	-	Fuse 49 on fuse panel C -SC49-	-	-	Not used	-

[1] Engine code CCZA

[15] Engine codes BSE, BSF, CAVD, CAXA, CCSA, CCZA and CGGA

[17] Engine codes CAYB and CAYC

[24] Engine codes BSE, BSF, CAYB, CAYC, CCSA, CFHB, CFHC, CJAA and CLCA

[25] Engine codes BSE, BSF, CCSA and CGGA

[26] Engine codes CAVD, CAXA, CBZA, CBZB and CCZA

[27] Engine codes CAVD, CAXA, CAYB, CAYC, CBTA, CBUA, CCCA, CFHB, CFHC, CJAA and CLCA

[28] Engine codes BSE, BSF, CAYB, CAYC, CBTA, CBUA, CCCA, CCSA, CFHB, CFHC, CJAA, CGGA and CLCA

[29] Engine codes CGGA, BSE, BSF, CCSA, CAYB and CAYC

[30] Engine codes CAYB, CAYC, CBZA and CBZB

[31] only for vehicles with Climatronic

1.4 Circuit breaker, from July 2010

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A - Driver power seat adjustment circuit breaker 1 -S44- 30A

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1 Comp. Loc. Relays

- ⇒ R1.1 elays on E-box ", page 1
- ⇒ o1.2 n upper Vehicle Electrical Module ", page 4
- ⇒ o1.3 n lower Vehicle Electrical Module ", page 8
- ⇒ R1.4 elays on Auxiliary Relay Carrier ", page 13

1.1 Relays on E-box

- ⇒ o1.1.1 n E-Box, MY 2010", page 1
- ⇒ o1.1.2 n E-Box, MY 2011", page 2
- ⇒ o1.1.3 n E-Box, through late 2011 MY forward", page 3

1.1.1 Relay on E-Box, MY 2010

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R1 - Motronic engine control module power supply relay -J271- (100)
- ❑ Connection 1.1
- ❑ Engine codes CAVD, CAXA, CAWB, CCZA and CGGA

R1 - Terminal 30 power supply relay -J317- (458)
- ❑ Connection 1.1
- ❑ Engine codes BXE, CAYB, CAYC, CBDA, CBDB and CEGA

R1 - Simos control module power supply relay -J363- (458)
- ❑ Connection 1.1
- ❑ Engine codes BSE, BSF and CCSA

R2 - Secondary air pump relay -J299- (100)
- ❑ Connection 2.2
- ❑ Engine codes BSE, BSF and CCSA

R2 - Auxiliary engine coolant pump relay -J496- (100)
- ❑ Connection 2.2
- ❑ Engine codes CAVD and CAXA,

R2 - Engine component current supply relay -J757- (100)
- ❑ Connection 2.2
- ❑ Engine codes CAWD and CCZA

R2 - Connection bridge
- ❑ Connection 2.2
- ❑ Only diesel engines
- ❑ Engine codes BXE, CAYB, CAYC, CGGA, CBDA, CBDB and CEGA

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1.1.2 Relay on E-Box, MY 2011

Note

The number in brackets behind the part designation denotes the control number on the housing.

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R1 - Motronic engine control module power supply relay -J271- (100)
- ❑ Connection 1.1
- ❑ Engine codes CBTA, CBUA, CBZA, CBZB, CAVD, CAXA and CGGA

R1 - Terminal 30 power supply relay -J317- (458)
- ❑ Connection 1.1
- ❑ Engine codes CLCA, CFHC, CFHB, CJAA, CAYB and CAYC

R1 - Simos control module power supply relay -J363- (458)
- ❑ Connection 1.1
- ❑ Engine codes BSE, BSF, CCSA and CCCA.

R2 - Secondary air pump relay -J299- (100)
- ❑ Connection 2.2
- ❑ Engine codes CBTA, CBUA, CCCA, BSE, BSF and CCSA

R2 - Auxiliary engine coolant pump relay -J496- (100)
- ❑ Connection 2.2
- ❑ Engine codes CAVD, CAXA, CBZA and CBZB.

R2 - Engine component current supply relay -J757- (100)
- ❑ Connection 2.2
- ❑ Engine code CCZA

R2 - Connection bridge
- ❑ Connection 2.2
- ❑ Only diesel engines
- ❑ Engine codes CJAA, CAYB, CAYC and CGGA

1.1.3 Relay on E-Box, through late 2011 MY forward

Note

The number in brackets behind the part designation denotes the control number on the housing.

R1 - Motronic engine control module power supply relay -J271- (100)
- ❑ Connection 1.1
- ❑ Engine codes CBTA, CBUA, CBZA, CBZB, CAVD, CAXA, CCZA and CGGA

R1 - Terminal 30 power supply relay -J317- (100)
- ❑ Connection 1.1
- ❑ Engine codes CLCA, CFHC, CFHB, CJAA, CAYB and CAYC

R1 - Simos control module power supply relay -J363- (458)
- ❑ Connection 1.1
- ❑ Engine codes BSE, BSF, CCSA and CCCA

R2 - Secondary air pump relay -J299- (100)
- ❑ Connection 2.2
- ❑ Engine codes CBTA, CBUA, CCCA, BSE, BSF and CCSA

R2 - Auxiliary engine coolant pump relay -J496- (100)
- ❑ Connection 2.2
- ❑ Engine codes CAVD, CAXA, CBZA and CBZB.

R2 - Engine component current supply relay -J757- (100)
- ❑ Connection 2.2
- ❑ Engine code CCZA

R2 - Connection bridge
- ❑ Connection A2
- ❑ Only diesel engines
- ❑ Engine codes CFHB, CFHC, CLCA, CJAA, CAYB, CAYC and CGGA

1.2 Relays on upper Vehicle Electrical Module

- ⇒ o1.2.1 n upper Vehicle Electrical Module -J519- , MY 2010", page 5
- ⇒ o1.2.2 n upper Vehicle Electrical Module -J519-, MY 2011", page 6
- ⇒ R1.2.3 elay on upper Vehicle Electrical Module -J519-, through late 2011 MY and forward", page 7

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1.2.1 Relay on upper Vehicle Electrical Module -J519- , MY 2010

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Note

-J4- is a mini-relay

1 - Terminal 15 power supply relay -J329- (645)
- ❑ Connection 1

2 - Terminal 75 power supply relay 1 -J680- (644)
- ❑ Connection 2

3 - Dual tone horn relay -J4- (646)
- ❑ Connection 3.1

3 - Headlamp washer system relay -J39- (646)
- ❑ Connection 3.2

4 - Rear window defogger relay -J9- (645)
- ❑ Connection 4

5 - Terminal 50 power supply relay -J682- (645)
- ❑ Connection 5

1.2.2 RelayRelay on upper Vehicle Electrical Module -J519-, MY 2011

Note

-J4- is a mini-relay

1 - Terminal 15 power supply relay -J329- (645)
- Connection 1

2 - Terminal 75 power supply relay 1 -J680- (644)
- Connection 2

3 - Dual tone horn relay -J4- (646)
- Connection 3.1

3 - Headlamp washer system relay -J39- (646)
- Connection 3.2

4 - Rear window defogger relay -J9- (645)
- Connection 4

5 - Terminal 50 power supply relay -J682- (645)
- Connection 5

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1.2.3 Relay Relay on upper Vehicle Electrical Module -J519-, through late 2011 MY and forward

Note

-J4- is a mini-relay and is located on the relay connector panel

1 - Terminal 15 power supply relay -J329- (645)
- Connection 1

2 - Terminal 50 power supply relay -J682- (645), Production Change
- Connection 2

2 - Starter relay 1 -J906- (645)
- Connection 2

3 - Dual tone horn relay -J4- (646)
- Connection 3.1

3 - Headlamp washer system relay -J39- (646)
- Connection 3.2

4 - Rear window defogger relay -J9- (645), Production Change
- Connection 4

4 - Terminal 50 power supply relay -J682- (645), Production Change
- Connection 4

5 - Terminal 75 power supply relay 1 -J680- (644)
- Connection 5

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1.3 Relays on lower Vehicle Electrical Module

- ⇒ b1.3.1 elow J519 module, MY 2010 ", page 8
- ⇒ b1.3.2 elow J519 module, MY 2011", page 10
- ⇒ b1.3.3 elow J519 module, through late 2011 MY forward", page 12

1.3.1 Relay below J519 module, MY 2010

Note

- *The number in brackets behind the part designation denotes the control number on the housing.*
- *-J17,-J832 -J151 and -J757 are mini-relaysare mini-relays*

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1 - Fuel pump relay -J17- (646)
- ❑ Connection 1

1 - Fuel pump relay 2 -J49- (646)
- ❑ Connection 1

1 - Coolant circulation pump relay -J151- (646)
- ❑ Connection 1
- ❑ Engine code CCZA

1 - Terminal 50 power supply relay -J682- (646)
- ❑ Connection 1

1 - Engine component current supply relay -J757- (646)
- ❑ Connection 1

2 - Fuel pump relay -J17- (646)
- ❑ Connection 2

2 - Fuel primer relay -J643- (646)
- ❑ Connection 2

3 - Low heat output relay -J359- (645)
- ❑ Connection 3

3 - Auxiliary heater operation relay -J485- (645)
- ❑ Connection 3

4 - Auxiliary fuel pump relay -J832- (645)
- ❑ Connection 4

5 - Fresh air blower relay -J13-
- ❑ Connection 5

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1.3.2 Relay below J519 module, MY 2011

Note

- *-J4-,-J17,-J49, -J643,J832 are mini-relays*
- *The number in brackets behind the part designation denotes the control number on the housing.*

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1 - Auxiliary fuel pump relay -J832- (646)
- ❑ Connection 1.1
- ❑ Engine codes CCZA, CFHB, CFHC and CLCA

1 - Coolant circulation pump relay -J151- (646)
- ❑ Connection 1.2
- ❑ Engine code CCZA,

1 - Starter relay 2 -J907- (507)
- ❑ Connection 1

2 - Fuel pump relay -J17- (646)
- ❑ Connection 2
- ❑ Engine codes CGGA, BSE, BSF, CCSA, CBTA, CBUA, CCCA, CAYB, CAYC, CFHB, CFHC and CLCA

2 - Fuel pump relay 2 -J49- (646)
- ❑ Connection 2.2
- ❑ Engine codes BSE, BSF, CAYB, CAYC, CCSA, CFHB, CFHC, CGGA and CLCA

2 - Fuel primer relay -J643- (646)
- ❑ Connection 2.2
- ❑ Engine codes CBTA, CBUA and CCCA

2 - Auxiliary fuel pump relay -J832- (646)
- ❑ Connection 2.2
- ❑ Engine code CJAA

3 - Low heat output relay -J359- (645)
- ❑ Connection 3

3 - Fresh air blower relay -J13- (646)
- ❑ Connection 3

4 - Auxiliary heater operation relay -J485- (645)
- ❑ Connection 4

5 - High heat output relay -J360- (644)
- ❑ Connection 5

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1.3.3 Relay below J519 module, through late 2011 MY forward

Note

The number in brackets behind the part designation denotes the control number on the housing.

1 - Auxiliary fuel pump relay -J832- (646)
- Connection 1
- Engine codes CCZA, CFHB, CFHC and CLCA

1 - Starter relay 2 -J907- (507)
- Connection 1

1 - Terminal 50 power supply relay -J682- (507)
- Connection 1

2 - Fuel pump relay -J17- (646)
- Connection 2.1

2 - Fuel pump relay 2 -J49- (646)
- Connection 2.2
- Engine codes BSE, BSF, CAYB, CAYC, CCSA, CFHB, CFHC, CGGA and CLCA

2 - Fuel primer relay -J643- (646)
- Connection 2.2
- Engine codes CBTA, CBUA, CCCA and CGGA.

3 - Low heat output relay -J359- (645)
- Connection 3

3 - Auxiliary heater operation relay -J485- (645)
- Connection 3

4 - Auxiliary fuel pump relay -J832- (645)
- Connection 4

5 - High heat output relay -J360- (644)
- Connection 5

5 - Fresh air blower relay -J13- (646)
- Connection 5

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1.4 Relays on Auxiliary Relay Carrier

2 - Automatic glow time control module -J179- 2- (457)

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1 Comp. Loc. Vehicle Front

- ⇒ “1.1 Engine ”, page 1
- ⇒ “1.2 Engine Compartment”, page 7
- ⇒ “1.3 Transmission ”, page 11
- ⇒ “1.4 Front Bumper”, page 15

1.1 Engine

- ⇒ “1.1.1 2.0L TDI, CJAA Front”, page 1
- ⇒ “1.1.2 2.0L TDI, CJAA Rear”, page 3
- ⇒ “1.1.3 2.0L TDI, CJAA Left”, page 4
- ⇒ “1.1.4 2.5L SRE, CBTA/CBUA Top”, page 5
- ⇒ “1.1.5 2.5L SRE, CBTA/CBUA Front”, page 6
- ⇒ “1.1.6 2.5L SRE, CBTA/CBUA Rear”, page 7

1.1.1 2.0L TDI, CJAA Front

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1 - Fuel pressure sensor -G247-

1 - Camshaft position sensor -G40- located under timing cover

2 - Cylinder 1 internal pressure sensor -G620-

3 - Cylinder 1 fuel injector -N30-

4 - Cylinder 2 internal pressure sensor -G621-

5 - Cylinder 2 fuel injector -N31-

6 - Cylinder 3 internal pressure sensor -G622-

7 - Cylinder 3 fuel injector -N32-

8 - Cylinder 4 fuel injector -N33-

9 - Fuel pressure regulator valve -N276-

10 - Wastegate bypass regulator valve -N75-

11 - Mass airflow sensor -G70-

12 - Intake manifold runner position sensor -G336-

13 - Cylinder 4 internal pressure sensor -G623-

14 - EGR cooler switch-over valve -N345-

15 - Throttle valve control module -J338-

15 - Throttle position sensor -G69-

16 - Engine coolant temperature sensor on radiator outlet -G83-

17 - Charge air pressure sensor -G31-

17 - Intake air temperature sensor -G42-

18 - EGR vacuum regulator solenoid valve -N18-

18 - Map controlled engine cooling thermostat -F265-

19 - EGR potentiometer -G212-

20 - Fuel metering valve -N290-

21 - Fuel temperature sensor -G81-

A - 10-pin connector -T10l-

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1.1.2 2.0L TDI, CJAA Rear

1 - Engine coolant temperature sensor -G62-
2 - Positive crankcase ventilation heating element -N79-
3 - Charge pressure actuator position sensor -G581-
4 - Exhaust pressure sensor 1
5 - Fuel pump 2 -V277-
6 - Exhaust pressure sensor 2
7 - Exhaust gas recirculation position sensor 2 -G466-
7 - Valve 2 for EGR -N213-
8 - EGR temperature sensor -G98-

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1.1.3 2.0L TDI, CJAA Left

1 - Generator with voltage regulator -CX1-

1 - Generator -C-

2 - Oil pressure switch -F1-

3 - Engine speed sensor -G28-

4 - Engine preheating element -Z97-

5 - A/C compressor regulator valve -N280-

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1.1.4 2.5L SRE, CBTA/CBUA Top

1 - EVAP canister purge regulator valve 1 -N80-
2 - Camshaft position sensor -G40-
3 - Cylinder 1 fuel injector -N30-
4 - Cylinder 2 fuel injector -N31-
5 - Cylinder 3 fuel injector -N32-
6 - Cylinder 4 fuel injector -N33-
7 - Cylinder 5 fuel injector -N83-
8 - 3-pin connector -T3w-
9 - Secondary air injection sensor 1 -G609-
10 - 3-pin connector -T3y-
11 - Engine coolant temperature sensor -G62-
12 - Camshaft adjustment valve 1 -N205-
13 - Throttle valve control module -J338-
13 - EPC throttle drive -G186-
13 - EPC throttle drive angle sensor 1 -G187-
13 - EPC throttle drive angle sensor 2 -G188-

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1.1.5 2.5L SRE, CBTA/CBUA Front

1 - Oil pressure switch -F1-

2 - Intake air temperature sensor -G42-

2 - Manifold absolute pressure sensor -G71-

3 - Secondary air injection pump motor

4 - Engine speed sensor -G28-

5 - Engine preheating element -Z97- (optional)

6 - A/C compressor regulator valve -N280-

7 - Generator with voltage regulator -CX1-

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1.1.6 2.5L SRE, CBTA/CBUA Rear

1 - Ignition coil 5 with power output stage -N323-
2 - Ignition coil 4 with power output stage -N292-
3 - Ignition coil 3 with power output stage -N291-
4 - Ignition coil 2 with power output stage -N127-
5 - Ignition coil 1 with power output stage -N70-
6 - Knock sensor 1 -G61-
7 - Knock sensor 2 -G66-
8 - Secondary air injection solenoid valve -N112-

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1.2 Engine Compartment

- ⇒ "1.2.1 Engine compartment, passenger", page 8
- ⇒ "1.2.2 Engine compartment, driver I", page 9

⇒ “1.2.3 Engine compartment, driver II”, page 11

1.2.1 Engine compartment, passenger

1 - Engine coolant level sensor -G32-
2 - Alarm horn -H12-
3 - Right front body acceleration sensor -G342-
4 - Right washer nozzle heater -Z21-
5 - Air quality sensor -G238-
6 - Structure borne sound control module -J869-
7 - Structure-borne sound actuator -R214-
8 - Left washer nozzle heater -Z20-
9 - ABS control module -J104-
10 - Right front level control sensor -G289-
11 - Right front ABS wheel speed sensor -G45-
12 - Passenger side front airbag crash sensor -G284-
13 - High pressure sensor -G65-
14 - Windshield and rear window washer pump -V59-
15 - Windshield washer fluid level sensor -G33-
16 - Headlamp washer pump -V11-
17 - Right front headlamp -MX2-
17 - Right HID headlamp control module -J344-
17 - Right HID lamp ballast -J427-
17 - Right headlamp power output stage -J668-
17 - Right daytime running lamp and position lamp control module -J861-
17 - Headlamp range control sensor 2 -G234-
18 - Right front damping adjustment valve -N337-
13 - Ground connection in engine compartment, right
- located near ground call out 656

656 - Ground connection on right headlamp

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1.2.2 Engine compartment, driver I

1 - Engine control module -J623-
2 - Vacuum sensor -G608-
3 - Brake lamp switch -F-
4 - Brake fluid level warning switch -F34-
5 - Wiper motor control module -J400-
5 - Driver windshield wiper motor -V216-
6 - Left front body acceleration sensor -G341-
7 - Battery monitoring control module -J367-
8 - Left front level control system sensor -G78-
9 - Left front headlamp -MX1-
9 - Left HID headlamp control module -J343-
9 - Left HID lamp ballast -J426-
9 - Left headlamp power output stage -J667-
9 - Left daytime running lamp and position lamp control module -J860-
9 - Headlamp range control sensor 1 -G233-
10 - Driver front airbag crash sensor -G283-
11 - Engine coolant temperature sensor on radiator outlet -G83-
12 - Radiator identification sensor -G611-
13 - Coolant fan control module -J293-
14 - Engine hood contact switch -F266-
15 - Coolant fan 2 -V177-
15 - Right coolant fan -V35-
16 - Power steering control module -J500-
16 - Steering angle sensor -G85-
16 - Steering torque sensor -G269-
16 - Electromechanical power steering motor -V187-
A - 14-pin connector -T14a-

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B - 4-pin connector -T4t-

C - 8-pin connector -T8v-

1 - Ground strap, battery to body

12 - Ground connection in engine compartment, left

607 - Ground connection in plenum chamber, left

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1.2.3 Engine compartment, driver II

1 - Transmission control module -J217-
2 - Left front ABS wheel speed sensor -G47-
3 - Left front brake pad wear sensor -G34-
4 - Left front damping adjustment valve -N336-
5 - Left front side marker lamp bulb -M33-
6 - Secondary air injection pump motor -V101-
A - 6-pin connector -T6z-
640 - Ground connection 2 in engine compartment, left
642 - Electronic fan control ground connection
655 - Ground connection on left headlamp

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1.3 Transmission

- ⇒ “1.3.1 Manual Transmission 02Q / 0A4”, page 12
- ⇒ “1.3.2 Auto. Transmission 02E”, page 13

◆ ⇒ “1.3.3 Auto Transmission 09G/09M”, page 14

1.3.1 Manual Transmission 02Q / 0A4

Note

0A4 Manual transmission is similar

1 - Back-up lamp switch -F4-

2 - Starter -B-

12 - Ground connection in engine compartment, left

652 - Transmission/engine ground connection

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1.3.2 Auto. Transmission 02E

1 - Starter -B-

1 - Brake system vacuum pump -V192-

- located on automatic transmission at front in direction of travel if equipped.

2 - DSG transmission Mechatronic -J743-

2 - Transmission input speed sensor -G182-

2 - Clutch oil temperature sensor -G509-

2 - Transmission fluid temperature sensor -G93-

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1.3.3 Auto Transmission 09G/09M

1 - Multifunction transmission range switch -F125-

1 - Brake system vacuum pump -V192-

- located on automatic transmission at front in direction of travel if equipped.

2 - Starter -B-

A - 14-pin connector -T14-

B - 8-pin connector -T8-

B - Transmission input speed sensor -G182- connector

B - Clutch oil temperature sensor -G509- connector

B - Transmission fluid temperature sensor -G93- connector

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1.4 Front Bumper

1 - Outside air temperature sensor -G17-
2 - Right front parking aid sensor -G252-
2 - Right front center parking aid sensor -G253-
2 - Left front center parking aid sensor -G254-
2 - Left front parking aid sensor -G255-
2 - Left front inner parking aid sensor -G332-
2 - Left front parallel parking assistance sensor -G568-
2 - Right front parallel parking assistance sensor -G569-
3 - Left stationary cornering lamp -M51-
4 - High tone horn -H2-
5 - Low tone horn -H7-
6 - Right stationary cornering lamp -M52-

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1 Comp. Loc. Vehicle Rear

- ⇒ “1.1 Luggage Compartment”, page 1
- ⇒ “1.2 Trunk Lid”, page 4
- ⇒ “1.3 Bumper”, page 5

1.1 Luggage Compartment

- ⇒ “1.1.1 Left Side”, page 1
- ⇒ “1.1.2 Right Side”, page 3

1.1.1 Left Side

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1 - Left daytime running lamp and position lamp LED module -L176-

1 - Left tail lamp bulb -M4-

2 - Vehicle location recognition control module -J603-

2 - Vehicle positioning system interface control module -J843-

2 - Vehicle positioning system control module -J895-

3 - Driver side rear seat belt tensioner igniter -N196-

50 - Ground connection in luggage compartment, left

662 - Ground connection in left rear side panel

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1.1.2 Right Side

1 - Passenger side rear seat belt tensioner igniter -N197-

2 - Leak detection pump -V144-

3 - Rear parking aid warning buzzer -H15-

4 - Fuel filler door unlock motor -V155-

5 - Auxiliary engine coolant heater radio frequency receiver -R149- (optional)

6 - Power socket 12 V -U5-

7 - Right tail lamp bulb -M2-

51 - Ground connection in luggage compartment, right

663 - Ground connection in right rear side panel

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1.2 Trunk Lid

1 - FM frequency filter in negative wire -R178-
2 - High-mounted brake lamp bulb -M25-
3 - Rear window wiper motor -V12-
4 - Right antenna module -R109-
4 - FM frequency filter in positive wire -R179-
5 - Right license plate lamp -X5-
6 - Release button in rear lid handle -E234-
6 - Rearview camera -R189-
7 - Rear lid lock/alarm/central locking switch -F124-
7 - Rear lid lock unit -F256-
7 - Luggage compartment lamp switch -F5-
7 - Rear lid unlock motor -V139-
7 - Rear lid opening motor -V254-
8 - Left license plate lamp -X4-
9 - Rear window defogger -Z1-

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1.3 Bumper

1 - Left rear parking aid sensor -G203-

1 - Left rear center parking aid sensor -G204-

1 - Right rear center parking aid sensor -G205-

1 - Right rear parking aid sensor -G206-

1 - Left rear inner parking aid sensor -G334-

1 - Right rear inner parking aid sensor -G335-

2 - Access/start system antenna in rear bumper -R136-

A - 8-pin connector -T8be-

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1 Comp. Loc. Vehicle Cabin

- ⇒ “1.1 Instrumentation”, page 1
- ⇒ “1.2 HVAC”, page 6
- ⇒ “1.3 A/B Pillar, Left”, page 10
- ⇒ “1.4 A/B Pillar, Right”, page 11
- ⇒ “1.5 C-Pillar, Left”, page 12
- ⇒ “1.6 C-Pillar, Right”, page 13
- ⇒ “1.7 Floor”, page 14
- ⇒ “1.8 Door, LF”, page 15
- ⇒ “1.9 Door, RF”, page 16
- ⇒ “1.10 Door, LR”, page 17
- ⇒ “1.11 Door, RR”, page 18
- ⇒ “1.12 Roof ”, page 19

1.1 Instrumentation

- ⇒ “1.1.1 Instrument Panel, Center”, page 1
- ⇒ “1.1.2 Instrument Panel, Right”, page 2
- ⇒ “1.1.3 Instrument Panel, Left”, page 3
- ⇒ “1.1.4 Steering, Part I”, page 4
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1.1.1 Instrument Panel, Center

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1 - Instrument cluster control module -J285-
- ❑ Anti-theft immobilizer control module -J362-

2 - Access/start authorization control module -J518-

3 - Data bus on board diagnostic interface -J533-
- ❑ Vehicle electrical system control module 2 -J520-

4 - Emergency flasher button -E229-

5 - Sunlight photo sensor -G107-
- ❑ Sunlight photo sensor 2 -G134-

6 - 26-pin connector -T26d-

7 - Radio/navigation display unit control module -J503-

7 - Multimedia system control module -J650-
- ❑ located behind center console or glove box depending on vehicle.

8 - Front passenger airbag -disabled- indicator lamp -K145-

9 - Climatronic control module -J255-

9 - A/C control module -J301-

9 - Multimedia display unit control module 1 -J744-

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1.1.2 Instrument Panel, Right

1 - Front passenger airbag igniter 1 -N131-
- ❑ Front passenger airbag igniter 2 -N132-

2 - Cornering lamp and headlamp range control module -J745-

3 - Right vent temperature sensor -G151-

4 - Right footwell lamp -W10-

5 - Headlamp range control module -J431-

6 - Glove compartment lamp -W6-

7 - Glove compartment lamp switch -E26-

8 - 10-pin connector -T10k-

9 - Voltage stabilizer -J532-

10 - Front passenger airbag deactivation key switch -E224- (not for NAR)

1.1.3 Instrument Panel, Left

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1 - Parking aid control module -J446-

2 - Left vent temperature sensor -G150-

2 - Center vent temperature sensor -G191-

3 - Light switch -E1-

4 - Headlamp range control adjuster -E102-

5 - Vehicle electrical system control module -J519-

- ❑ Central locking and anti-theft alarm system antenna -R47-

6 - Front parking aid warning buzzer -H22-

7 - Left footwell lamp -W9-

8 - Diagnostic connection -U31-

1.1.4 Steering, Part I

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1 - Steering column electronics control module -J527-
- ❑ Airbag spiral spring/return spring with slip ring -F138-

2 - Anti-theft immobilizer reader coil -D2-
- ❑ Ignition/starter switch -D-

3 - Driver knee airbag igniter -N295-

4 - Electronic steering column lock control module -J764-
- ❑ Steering column lock actuator -N360-

605 - Ground connection on upper steering column

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1.1.5 Steering, Part II

1 - Driver airbag igniter -N95-

2 - Multifunction steering wheel control module -J453-

- ❑ Left multifunction buttons on steering wheel -E440-

3 - Right multifunction buttons on steering wheel -E441-

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1.2 HVAC

- ⇒ “1.2.1 Climatic, Part I”, page 7
- ⇒ “1.2.2 Climatic, Part II”, page 7
- ⇒ “1.2.3 Climatronic, Part I”, page 8

♦ ⇒ “1.2.4 Climatronic, Part II”, page 9

1.2.1 Climatic, Part I

1 - A/C control module -J301- connector 16-pin

2 - A/C control module -J301- connector 5-pin

3 - Fresh air blower control module -J126-

- ❑ Fresh air blower -V2-

4 - Fresh air blower series resistor with fuse -N24-

5 - Evaporator vent temperature sensor -G263-

A - 10-pin connector -T10a-

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1.2.2 Climatic, Part II

1 - Recirculation door motor position sensor -G143-

2 -
Air distribution door motor -V428-

- ❑ Air distribution door motor position sensor -G645-

3 - Auxiliary heater heating element -Z35- (optional)

4 - Temperature regulator door motor -V68-

- ❑ Left temperature door potentiometer/actuator -G220-

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1.2.3 Climatronic, Part I

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1 - Right footwell vent temperature sensor -G262-

2 - Fresh air blower control module -J126-

- ❑ Fresh air blower -V2-

3 - Right temperature door motor -V159-

- ❑ Right temperature door potentiometer/actuator -G221-

4 - Evaporator vent temperature sensor -G263-

A - 10-pin connector -T10a-

1.2.4 Climatronic, Part II

1 - Fresh air/recirculating air/back pressure door motor position sensor -G644-

2 - Fresh air/recirculating air/back pressure door motor -V425-

- ❑ Airflow door motor -V71-

- ❑ Recirculation door motor position sensor -G143-
- ❑ Back pressure door motor position sensor -G113-
- ❑ Recirculation door motor -V113-

3 - Central air door motor -V70-

- ❑ Central door motor position sensor -G112-

4 - Climatronic control module -J255- connector 20-pin

5 - Climatronic control module -J255- connector 16-pin

6 - Auxiliary heater heating element -Z35- (optional)

7 - Left footwell vent temperature sensor -G261-

7 - Footwell vent temperature sensor -G192-

8 - Left temperature door motor -V158-

- ❑ Left temperature door potentiometer/actuator -G220-

9 - Defroster door motor -V107-

- ❑ Defroster door motor position sensor -G135-

1.3 A/B Pillar, Left

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1 - Driver seat belt tensioner igniter 1 -N153-

2 - Interior monitoring and vehicle inclination deactivation button -E616- (optional)

A - 28-pin connector

B - 28-pin connector

C - Double connector -T2j-

D - 10-pin connector -T10a-

E - 3-pin connector -T3k-

44 - Ground connection on A-pillar, lower left

77 - Ground connection on B-pillar, lower left

- located below call out 1

602 - Ground connection in left front footwell

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1.4 A/B Pillar, Right

1 - Telephone transceiver -R36-

2 - Front passenger seat belt tensioner igniter 1 -N154-

A - 28-pin connector

B - 3-pin connector -T3l-

C - 10-pin connector -T10B-

D - 10-pin connector

E - Double connector -T2y-

F - 28-pin connector

43 - Ground connection on A-pillar, lower right

47 - Ground connection in right front footwell

78 - Ground connection on B-pillar, lower right

638 - Ground connection on right A-pillar

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1.5 C-Pillar, Left

1 - Side window antenna -R191-

- ❑ Antenna amplifier -R24-

- Radio antenna 2 -R93-

2 - Driver side rear thorax airbag igniter -N201-

3 - Driver side rear side airbag crash sensor -G256-

4 - Left rear ABS wheel speed sensor -G46-

5 - Left rear level control system sensor -G76-

1.6 C-Pillar, Right

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1 - Passenger side rear thorax airbag igniter -N202-

2 - Antenna amplifier 2 -R111-

- ❑ Antenna -R11-

3 - Access/start system antenna in luggage compartment -R137-

4 - Right rear ABS wheel speed sensor -G44-

5 - Passenger side rear side airbag crash sensor -G257-

6 - Transfer fuel pump -G6-

- ❑ Fuel level sensor -G-
- ❑ Fuel level sensor 2 -G169-

7 - Fuel pump control module -J538-

8 - Metering pump -V54-

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1.7 Floor

1 - Accelerator pedal module -GX2-
- ❑ Accelerator pedal position sensor -G79-
- ❑ Accelerator pedal position sensor 2 -G185-

2 - Airbag control module -J234-

3 - Cigarette lighter -U1-

4 - Parallel parking assistance button -E581-

5 - Damping adjustment button -E387-

6 - Parking aid button -E266-

7 - Access/start system antenna 1 in vehicle interior -R138-

8 - Navigation system control module -J856-

9 - External audio source connection -R199-

10 - Cell phone operating electronics control module -J412-

11 - Parking brake indicator lamp switch -F9-

12 - Digital sound system control module -J525-
- ❑ Amplifier -R12-

13 - Selector lever sensor system control module -J587-

14 - Tire pressure monitoring display button -E492-

15 - ASR/ESP button -E256-

16 - Clutch position sensor -G476-

45 - Ground connection behind instrument panel, center

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1.8 Door, LF

1 - Driver interior locking indicator lamp -K174-

2 - Driver side airbag crash sensor -G179-

3 - Driver interior locking button -E308-

4 - Heated driver exterior rearview mirror -Z4-

5 - Left front midrange speaker -R103-

6 - Left front treble speaker -R20-

7 - Exterior rearview mirror heating switch -E231-

8 - Left front window regulator switch -E40-

9 - Driver door control module -J386-

- ❑ Driver window regulator motor -V147-

10 - Rear lid remote release button -E233-

11 - Left front entry lamp -W31-

12 - Left frequency crossover -R18-

13 - Left front bass speaker -R21-

14 - Driver door lock unit -VX21-

- ❑ Driver door contact switch -F2-
- ❑ Driver central locking lock unit -F220-
- ❑ Driver door central locking system motor -V56-

A - 28-pin connector

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1.9 Door, RF

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1 - Left rear door lock unit -VX23-
- ❑ Left rear central locking system motor -V115-
- ❑ Left rear door contact switch -F10-
- ❑ Left rear central locking lock unit -F222-

2 - Left rear treble speaker -R14-

3 - Left rear interior locking button -E310-

4 - Driver side rear door control module -J926-
- ❑ Left rear window regulator motor -V26-
- ❑ Left rear door control module -J388-

5 - Left rear power window switch in left rear door -E52-

6 - Left rear bass speaker -R15-

A - 28-pin connector -T28b-

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1.11 Door, RR

1 - Right rear interior locking button -E311-

2 - Right rear treble speaker -R16-

3 - Right rear window switch in right rear door -E54-

4 - Right rear door lock unit -VX24-

- ❑ Right rear central locking lock unit -F223-
- ❑ Right rear door central locking system motor -V97-
- ❑ Right rear door contact switch -F11-

5 - Right rear bass speaker -R17-

6 - Right rear door control module -J389-

- ❑ Passenger side rear door control module -J927-
- ❑ Right rear window regulator motor -V27-

A - 28-pin connector -T28c-

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1.12 Roof

- ⇒ “1.12.1 Roof, w/o Sunroof”, page 20
- ⇒ “1.12.2 Roof, w/ Sunroof”, page 20
- ⇒ “1.12.3 Roof, Rear”, page 21

1.12.1 Roof, w/o Sunroof

1 - Front passenger vanity mirror lamp contact switch -F148-
2 - Front passenger vanity mirror lamp -W14-
3 - Telephone microphone -R38-
4 - Vehicle inclination sensor -G384- (optional)
5 - Interior monitoring sensor -G273- (optional)
6 - Driver vanity mirror lamp -W20-
7 - Garage door opener control module -J530-
8 - Front interior lamp -W1-
9 - Automatic high beam assist control module -J844-
10 - Rain/light recognition sensor -G397-

1.12.2 Roof, w/ Sunroof

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1 - Front passenger vanity mirror lamp contact switch -F148-
2 - Front passenger vanity mirror lamp -W14-
3 - Telephone microphone -R38-
4 - Power sunroof control module -J245-
- ❑ Sunroof motor -V1-

5 - Roadside assistance button -E275-
6 - Interior monitoring sensor -G273- (optional)
7 - Driver vanity mirror lamp -W20-
8 - Driver vanity mirror lamp contact switch -F147-
9 - Front interior lamp -W1-
10 - Sunroof adjustment regulator -E139-
11 - Automatic high beam assist control module -J844-
12 - Rain/light recognition sensor -G397-

1.12.3 Roof, Rear

1 - Driver head curtain airbag igniter -N251-

2 - Left rear reading lamp -W11-

3 - Roof shade control module -J394-

- ❑ Sunroof shade motor -V260-

4 - Front passenger head curtain airbag igniter -N252-

5 - Roof antenna -RX5-

- ❑ GPS antenna -R50-
- ❑ Satellite antenna -R170-
- ❑ Antenna amplifier 3 -R112-

6 - Luggage compartment lamp -W3-

7 - Compass magnetic field sensor -G197-

A - Single connector -T1g-

A - Single connector -T1h-

B - 10-pin connector -T10t-

C - 17-pin connector -T17-

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1 Comp. Loc. Vehicle Under Body

- ⇒ “1.1 Exhaust 2.0l TDI CJAA”, page 1
- ⇒ “1.2 Exhaust 2.5l SRE CBTA/CBUA”, page 4

1.1 Exhaust 2.0l TDI CJAA

- ⇒ “1.1.1 Exhaust 2.0l TDI CJAA, I”, page 1
- ⇒ “1.1.2 Exhaust 2.0l TDI CJAA, II”, page 3

1.1.1 Exhaust 2.0l TDI CJAA, I

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1 - Exhaust pressure sensor 1 -G450-

2 - Differential pressure sensor -G505-

- ❑ Exhaust pressure sensor 2 -G451-

3 - Exhaust gas temperature sensor 4 -G648-

4 - Exhaust door control unit -J883-

5 - Oxygen sensor after three way catalytic converter -G130-

A - Double connector -T2at-

B - 5-pin connector -T5ab-

C - 6-pin connector -T6bb-

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1.1.2 Exhaust 2.0l TDI CJAA, II

1 - Heated oxygen sensor -G39-
2 - Double connector -T2bb-
3 - Double connector -T2bz-
4 - Double connector -T2ba-
5 - 6-pin connector -T6w-
6 - Exhaust gas temperature sensor 1 -G235-
7 - Exhaust gas temperature sensor 2 -G448-
8 - Exhaust gas temperature sensor 3 -G495-

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1.2 Exhaust 2.5l SRE CBTA/CBUA

1 - 6-pin connector -T6w-

2 - Heated oxygen sensor -G39-

3 - Oxygen sensor in bank 1 center three way catalytic converter -G465-

4 - Oxygen sensor after three way catalytic converter -G130-

5 - 4-pin connector -T4au-

6 - 4-pin connector -T4v-

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1 Conn. Views A/C

1.1 Fresh air blower -V2-

Double connector -T2i-

Cavity	Function
1	Power, motor
2	Ground, motor

1.2 High pressure sensor -G65-

3-pin connector -T3c-

Cavity	Function	Cavity	Function
1	Ground, sensor	3	Power, sensor
2	PWM signal, sensor		

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1.3 A/C compressor regulator valve -N280-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.4 A/C control module -J301-

- ⇒ “1.4.1 20-pin ”, page 2
- ⇒ “1.4.2 16-pin ”, page 3
- ⇒ “1.4.3 5-pin ”, page 4

1.4.1 20-pin

20-pin connector -T20c-

Cavity	Function	Cavity	Function
1	. . .	11	. . .
2	. . .	12	Front seat heating control module, right

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Cavity	Function	Cavity	Function
3	Center vent temperature sensor, signal	13	Front seat heating control module, left
4	. . .	14	. . .
5	High pressure sensor	15	. . .
6	. . .	16	A/C compressor regulator valve
7	CAN Low	17	. . .
8	CAN High	18	Center vent temperature sensor, ground
9	. . .	19	Battery power, module
10	. . .	20	Ground, module

1.4.2 16-pin

16-pin connector -T16e-

Cavity	Function	Cavity	Function
1	Temperature regulator door motor, hot	9	Recirculation door motor, open
2	Evaporator vent temperature sensor, signal	10	Recirculation door motor, close
3	Air distribution door motor position sensor, signal	11	Temperature regulator door motor, cold
4	Footwell vent temperature sensor, signal	12	Air distribution door motor, mode 1
5	Left temperature door potentiometer/actuator, signal	13	Air distribution door motor, mode 2
6	. . .	14	. . .
7	5 Volt, output	15	. . .
8	Ground, sensor	16	. . .

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1.4.3 5-pin

5-pin connector -T5-

Cavity	Function	Cavity	Function
1	Fresh air blower resistor, step 3	4	Fresh air blower resistor, step 4
2	Fresh air blower resistor, step 2	5	Power, fresh air blower
3	Fresh air blower resistor, step 1		

1.5 Air distribution door motor -V428-

With Air distribution door motor position sensor -G645-

6-pin connector -T6bw-

Cavity	Function	Cavity	Function
1	Ground, sensor	4	. . .
2	Signal, sensor	5	Motor, mode 1
3	5 volt, sensor	6	Motor, mode 2

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1.6 Recirculation door motor -V113-

Integrated with Recirculation door motor position sensor -G143-

6-pin connector -T6k-

Cavity	Function	Cavity	Function
1	. . .	4	. . .
2	. . .	5	Motor, open
3	. . .	6	Motor, closed

1.7 Temperature regulator door motor -V68-

6-pin connector -T6m-

Cavity	Function	Cavity	Function
1	Ground, sensor	4	. . .
2	Signal, sensor	5	Motor, hot
3	5 volt, sensor	6	Motor, cold

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1.8 Evaporator vent temperature sensor -G263-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.9 Footwell vent temperature sensor -G192-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

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1.10 Center vent temperature sensor -G191-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.11 Fresh air blower series resistor with fuse -N24-

4-pin connector -T4r-

Cavity	Function	Cavity	Function
1	Fresh air blower resistor, step 4	3	Fresh air blower resistor, step 1
2	Fresh air blower resistor, step 2	4	Fresh air blower resistor, step 3

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1.12 Fresh air blower control module -J126-

6-pin connector -T6t-

Cavity	Function	Cavity	Function
1	Diagnosis signal, output	4	Battery power, module
2	PWM signal, input	5	. . .
3	Ground, module	6	Solar signal (optional)

1.13 Air quality sensor -G238-

3-pin connector -T3an-

Cavity	Function	Cavity	Function
1	Switched battery, sensor	3	PWM signal, output
2	Ground, sensor		. . .

1.14 Climatronic control module -J255-

- ⇒ “1.14.1 20-pin ”, page 9

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- ⇒ “1.14.2 16-pin (g)”, page 10
- ⇒ “1.14.3 16-pin (f)”, page 10

1.14.1 20-pin

20-pin connector -T20c-

Cavity	Function	Cavity	Function
1	Sunlight photo sensor signal, right	11	Front seat heating control module, right
2	High pressure sensor, PWM signal	12	. . .
3	Sunlight photo sensor signal, left	13	Left vent temperature sensor
4	Air quality sensor, PWM signal	14	Right vent temperature sensor
5	CAN High	15	. . .
6	CAN Low	16	. . .
7	. . .	17	Signal ground
8	. . .	18	A/C compressor regulator valve, PWM signal
9	Output, 5 volt sensor	19	Ground, module
10	Front seat heating control module, left	20	Battery power, module

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1.14.2 16-pin (g)

16-pin connector -T16g-

Cavity	Function	Cavity	Function
1	5 volt sensor, output	9	Right footwell vent temperature sensor, input
2	Left temperature door potentiometer/actuator, sensor input (5v = warm)	10	. . .
3	Right temperature door potentiometer/actuator, sensor input (5v = warm)	11	Evaporator temperature sensor, input
4	Defroster door motor position sensor, sensor input (5v = defrost)	12	. . .
5	Central door motor position sensor, sensor input (5v = instrument panel)	13	. . .
6	. . .	14	Signal ground
7	Fresh air/recirculating air/back pressure door motor position sensor, input	15	. . .
8	Left footwell vent temperature sensor, input	16	. . .

1.14.3 16-pin (f)

16-pin connector -T16f-

Cavity	Function	Cavity	Function
1	Left temperature door motor, cold	9	Fresh air/recirculating air/back pressure door motor, recirculation

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Cavity	Function	Cavity	Function
2	Left temperature door motor, hot	10	Fresh air/recirculating air/back pressure door motor, fresh air
3	Defroster door motor, no defrost	11	Right temperature door motor, cold
4	Defroster door motor, defrost	12	Right temperature door motor, hot
5	Central air door motor, instrument panel	13	. . .
6	Central air door motor, footwell	14	. . .
7	. . .	15	Fresh air blower control module, PWM signal
8	. . .	16	Fresh air blower control module diagnosis signal, input

1.15 Sunlight photo sensor -G107-

With Sunlight photo sensor 2 -G134-

Cavity	Function	Cavity	Function
1	Right sensor, signal	3	Ground, sensor
2	5 Volt, sensor	4	Left sensor, signal

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1.16 Left temperature door motor -V158-

With Left temperature door potentiometer/actuator -G220-

6-pin connector -T6p-

Cavity	Function	Cavity	Function
1	Ground, sensor	4	. . .
2	Signal, sensor	5	Motor, hot
3	5 volt, sensor	6	Motor, cold

1.17 Right temperature door motor -V159-

With Right temperature door potentiometer/actuator -G221-

6-pin connector -T6u-

Cavity	Function	Cavity	Function
1	5 volt, sensor	4	. . .
2	Signal, sensor	5	Motor, cold
3	Ground, sensor	6	Motor, hot

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1.18 Defroster door motor -V107-

With Defroster door motor position sensor -G135-

6-pin connector -T6q-

Cavity	Function	Cavity	Function
1	5 volt, sensor	4	. . .
2	Signal, sensor	5	Motor, no defrost
3	Ground, sensor	6	Motor, full defrost

1.19 Central air door motor -V70-

With Central door motor position sensor -G112-

6-pin connector -T6n-

Cavity	Function	Cavity	Function
1	Ground, sensor	4	. . .
2	Signal, sensor	5	Motor, vent

Cavity	Function	Cavity	Function
3	5 volt, sensor	6	Motor, foot

1.20 Airflow door motor -V71-

With Back pressure door motor position sensor -G113-

6-pin connector -T6o-

Cavity	Function	Cavity	Function
1	Ground, sensor	4	. . .
2	Signal, sensor	5	Motor, vent
3	5 volt, sensor	6	Motor, foot

1.21 Left footwell vent temperature sensor -G261-

Cavity	Function
1	Ground, sensor

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Cavity	Function
2	Signal, sensor

1.22 Right footwell vent temperature sensor -G262-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.23 Left vent temperature sensor -G150-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

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1.24 Right vent temperature sensor -G151-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

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1 Conn. Views ABS

1.1 ABS control module -J104-

- ⇒ “1.1.1 26-pin ”, page 1
- ⇒ “1.1.2 47-pin ”, page 2

1.1.1 26-pin

26-pin connector -T26a-

Cavity	Function	Cavity	Function
1	Power fuse , module	14	. . .
2	Rear left sensor ground	15	Module self check - (coupling steering type option)
3	Rear left sensor signal	16	Brake light switch (BLS) signal
4	ASR signal (Optional for certain vehicles)	17	Module self check - (coupling steering type option)
5	Front right sensor signal	18	. . .
6	Front right sensor ground	19	. . .
7	TPMS signal (optional)	20	Power ignition, module
8	Front left sensor ground	21	CAN-L signal
9	Front left sensor signal	22	Module self check - (coupling steering type option)
10	ASR off (optional)	23	CAN-H signal
11	Right rear sensor signal	24	Module self check - (coupling steering type option)
12	Right rear sensor ground	25	. . .
13	. . .	26	Ground, module

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1.1.2 47-pin

47-pin connector -T47-

Cavity	Function	Cavity	Function
1	Power fuse, module	25	PDC2 optional
2	. . .	26	. . .
3	. . .	27	. . .
4	. . .	28	PDC3 optional
5	5 volts - Vacuum sensor	29	. . .
6	. . .	30	Vacuum sensor 2 signal , optional
7	RR out optional	31	. . .
8	Power ignition, module	32	Power ignition, module
9	RL out optional	33	Front right speed sensor ground
10	ISO_K optional	34	Front right speed sensor signal
11	FR_out optional	35	TPMS (RKA) signal - if equipped
12	CAN-H signal	36	Left rear wheel speed sensor signal
13	CAN-L signal	37	Left rear wheel speed sensor ground
14	FL_out optional	38	Brake light switch (BLS) signal
. . .	. . .	39	ESP sensor signal
16	Ground VS optional	40	Vacuum sensor ground
17	. . .	41	Vacuum sensor signal
18	. . .	42	Right rear wheel speed sensor ground
19	. . .	43	Right rear wheel speed sensor signal
20	PDC1 optional	44	ESP Off LED
21	. . .	45	Front left wheel speed sensor signal
22	. . .	46	Front left wheel speed sensor ground
23	. . .	47	Ground, module

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Cavity	Function	Cavity	Function
24	. . .		

1.2 ASR/ESP button -E256-

6-pin connector -T6ad-

Cavity	Function	Cavity	Function
1	. . .	4	Battery
2	. . .	5	Switch Signal
3	LED dimmer circuit	6	Ground

1.3 Tire pressure monitoring display button -E492-

6-pin connector -T6an-

Cavity	Function	Cavity	Function
1	. . .	4	Battery
2	. . .	5	Switch Signal

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Cavity	Function	Cavity	Function
3	LED dimmer circuit	6	Ground

1.4 Vacuum sensor -G608-

Cavity	Function	Cavity	Function
1	Ground, sensor	3	5 V, sensor
2	. . .	4	Signal, sensor

1.5 Right rear ABS wheel speed sensor -G44-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.6 Right front ABS wheel speed sensor -G45-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

1.7 Left rear ABS wheel speed sensor -G46-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.8 Left front ABS wheel speed sensor -G47-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1 Conn. Views Airbag

1.1 Front passenger airbag igniter 1 -N131-

With Front passenger airbag igniter 2 -N132-

5-pin connector -T5i-

Cavity	Function	Cavity	Function
1	Signal (-), sensor 1	4	Signal (-), sensor 2
2	Signal (+), sensor 1	5	Signal (+), sensor 2
3	Ground (in harness)		

1.2 Driver head curtain airbag igniter -N251-

- ⇒ “1.2.1 2-pin ”, page 2
- ⇒ “1.2.2 3-pin ”, page 2

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1.2.1 2-pin

Double connector -T2aw-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor

1.2.2 3-pin

3-pin connector -T3m-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor
3	. . .

1.3 Front passenger head curtain airbag igniter -N252-

- ⇒ “1.3.1 2-pin ”, page 3

⇒ “1.3.2 3-pin ”, page 3

1.3.1 2-pin

Double connector -T2ax-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor

1.3.2 3-pin

3-pin connector -T3n-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor
3	. . .

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1.4 Left rear thorax airbag igniter -N201-

3-pin connector -T3s-

Cavity	Function	Cavity	Function
1	Signal (-), sensor	3	Ground, sensor
2	Signal (+), sensor		

1.5 Right rear thorax airbag igniter -N202-

3-pin connector -T3t-

Cavity	Function	Cavity	Function
1	Signal (-), sensor	3	Ground, sensor
2	Signal (+), sensor		

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1.6 Left rear thorax airbag crash sensor -G256-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

1.7 Right rear thorax airbag crash sensor -G257-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.8 Driver front airbag crash sensor -G283-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

1.9 Front passenger front airbag crash sensor -G284-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.10 Driver seat belt switch -E24-

Double connector -T2aa-

Cavity	Function
1	Signal (+), sensor
2	Ground, sensor

1.11 Passenger occupant detection system control module -J706-

18-pin connector -T18e-

Cavity	Function	Cavity	Function
1	. . .	10	. . .
2	. . .	11	. . .
3	. . .	12	. . .
4	Seat belt force sensor signal	13	. . .
5	Ground (in harness)	14	Seat belt force sensor ground
6	Pressure sensor signal	15	Pressure sensor ground
7	Pressure sensor supply voltage	16	Seat belt force sensor supply voltage

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Cavity	Function	Cavity	Function
8	. . .	17	Redundant signal ground (optional)
9	Ignition Supply Voltage	18	Line bus (optional)

1.12 Front passenger seat belt switch -E25-

Double connector -T2ab-

Cavity	Function
1	Signal (+), sensor
2	Ground, sensor

1.13 Driver thorax airbag igniter -N199-

3-pin connector -T3aa- / 3-pin connector -T3k-

Cavity	Function	Cavity	Function
1	Signal (-), sensor	3	Ground (31), sensor
2	Signal (+), sensor		

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1.14 Front passenger thorax airbag igniter -N200-

3-pin connector -T3ab- / 3-pin connector -T3l-

Cavity	Function	Cavity	Function
1	Signal (-), sensor	3	Ground (31), sensor
2	Signal (+), sensor		

1.15 Driver side airbag crash sensor -G179-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.16 Front passenger side airbag crash sensor -G180-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

1.17 Left rear seat belt tensioner igniter -N196-

3-pin connector -T3u-

Cavity	Function
1	Ground (31), sensor
2	Signal (+), sensor
3	. . .

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1.18 Right rear seat belt tensioner igniter -N197-

3-pin connector -T3v-

Cavity	Function
1	Ground (31), sensor
2	Signal (+), sensor
3	-

1.19 Front passenger seat belt tensioner igniter 1 -N154-

Double connector -T2av-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor

1.20 Driver seat belt tensioner igniter 1 -N153-

- ⇒ “1.20.1 5-pin ”, page 12

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◆ ⇒ “1.20.2 2-pin ”, page 12

1.20.1 5-pin

5-pin connector -T5t-

Cavity	Function	Cavity	Function
1	Signal (-), sensor 1	4	Signal (-), sensor 2
2	Signal (+), sensor 1	5	Signal (+), sensor 2
3	Ground, sensor (optional)		

1.20.2 2-pin

Double connector -T2au-

Cavity	Function
1	Signal (-), sensor
2	Signal (+), sensor

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1.21 Airbag control module -J234-

75-pin connector -T75-

Cavity	Function	Cavity	Function	Cavity	Function
1	Battery (+)	26	Front passenger airbag -disabled- indicator lamp (+)	51	. . .
2	Driver's Seat Position Sensor (+)	27	. . .	52	. . .
3	Ground (in harness)	28	Ground (in harness)	53	Line bus to Passenger occupant detection system control module -J706- (optional)
4	Driver seat belt switch (+)	29	. . .	54	Front passenger airbag -disabled- indicator lamp (-)
5	Driver seat belt switch (-)	30	Airbag Deactivation Switch 1	55	Diagnostic lead to Data bus on board diagnostic interface -J533-
6	Front passenger seat belt switch (+)	31	. . .	56	. . .
7	Front passenger seat belt switch (-)	32	Airbag Deactivation Switch 2	57	. . .
8	Signal, passenger seat position (optional)	33	. . .	58	SAT (+) (optional)
9	. . .	34	. . .	59	SAT (-) (optional)
10	Driver belt force limiter (+)	35	Driver side rear side airbag igniter (+)	60	Driver side Front Crash Sensor (+)
11	Driver belt force limiter (-)	36	Driver side rear side airbag igniter (-)	61	Driver side Front Crash Sensor (-)
12	Driver belt force limiter (-) (optional)	37	Front passenger rear side airbag igniter (-)	62	Passenger side Front Crash Sensor (+)
13	Driver belt force limiter (+) (optional)	38	Front passenger rear side airbag igniter (+)	63	Passenger side Front Crash Sensor (-)
14	+	39	Driver side rear seat belt tensioner igniter (+)	64	Rear side Airbag Crash Sensor (+) (driver side)
15	-	40	Driver side rear seat belt tensioner igniter (-)	65	Rear side Airbag Crash Sensor (-) (driver side)
16	Front Passenger's Airbag Igniter 2 (-)	41	Front passenger side rear seat belt tensioner igniter (-)	66	Rear side Airbag Crash Sensor (+) (passenger side)
17	Front Passenger's Airbag Igniter 2 (+)	42	Front passenger side rear seat belt tensioner igniter (+)	67	Rear side Airbag Crash Sensor (-) (passenger side)
18	Driver head curtain airbag igniter (+)	43	Driver's side Airbag Igniter (+)	68	Driver's side Airbag Crash Sensor (+)

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Cavity	Function	Cavity	Function	Cavity	Function
19	Driver head curtain airbag igniter (-)	44	Driver's side Airbag Igniter (-)	69	Driver's side Airbag Crash Sensor (-)
20	Front passenger head curtain airbag igniter (-)	45	Front Passenger's side Airbag Igniter (-)	70	Front Passenger's side Airbag Crash Sensor (+)
21	Front passenger head curtain airbag igniter (+)	46	Front Passenger's side Airbag Igniter (+)	71	Front Passenger's side Airbag Crash Sensor (-)
22	Driver Airbag Igniter (+)	47	Driver seat belt tensioner igniter 1 (+)	72	. . .
23	Driver Airbag Igniter (-)	48	Driver seat belt tensioner igniter 1 (-)	73	CAN S (optional)
24	Front Passenger's Airbag Igniter 1 (-)	49	Front passenger seat belt tensioner igniter 1 (-)	74	CAN H
25	Front Passenger's Airbag Igniter 1 (+)	50	Front passenger seat belt tensioner igniter 1 (+)	75	CAN L

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1 Conn. Views Engine

1.1 EGR vacuum regulator solenoid valve -N18-

EGR potentiometer -G212-

Cavity	Function	Cavity	Function
1	5 Volts, power	4	. . .
2	Solenoid valve, ground	5	Potentiometer, signal
3	Potentiometer, ground	6	Solenoid valve, power

1.2 Valve 2 for EGR -N213-

Fuel quality sensor -G446-

6-pin connector -T6at-

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Cavity	Function	Cavity	Function
1	5 Volts, power	4	. . .
2	Solenoid valve, ground	5	Potentiometer, signal
3	Potentiometer, ground	6	Solenoid valve, power

1.3 Intake flap motor -V157-

Intake manifold runner position sensor -G336-

Cavity	Function	Cavity	Function
1	5 Volts, power	4	Solenoid valve, ground
2	Potentiometer, signal	5	Solenoid valve, power
3	Potentiometer, ground		

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1.4 EGR temperature sensor -G98-

Cavity	Function
1	Ground
2	Signal +

1.5 Exhaust gas temperature sensor 4 -G648-

Double connector -T2bc-

Cavity	Function
1	Ground

Cavity	Function
2	Signal +

1.6 Exhaust gas temperature sensor 1 -G235-

Double connector -T2bz-

Cavity	Function
1	Ground
2	Signal +

1.7 Brake lamp switch -F-

Brake pedal switch -F47-

4-pin connector -T4y-

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Cavity	Function
1	Signal, output
2	Ground, sensor
3	Signal, output
4	Power, sensor

1.8 Exhaust pressure sensor 1 -G450-

Cavity	Function
1	5 volt, sensor
2	Ground, sensor
3	Signal, sensor

1.9 Differential pressure sensor -G505-

Cavity	Function
1	5 volt, sensor
2	Ground, sensor
3	Signal, sensor

1.10 Charge air pressure sensor -G31-

Intake air temperature sensor -G42-

4-pin connector -T4bw-

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Cavity	Function	Cavity	Function
1	Ground	3	5 volt
2	Signal, temperature sensor	4	Signal, sensor

1.11 Fuel pressure sensor -G247-

Cavity	Function
1	Ground, sensor
2	Signal, sensor
3	5 volt, sensor

1.12 Engine speed sensor -G28-

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Cavity	Function
1	5 volt, sensor
2	Signal, sensor
3	Ground, sensor

1.13 Wastegate bypass regulator valve -N75-

Cavity	Function
1	Power
2	Ground

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1.14 Fuel injectors

- ⇒ e1.14.1 ngines", page 9
- ⇒ e1.14.2 ngines", page 9

1.14.1 TDI engines

Cavity	Function
1	Ground
2	Power

1.14.2 2.5L engines

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Cavity	Function
1	Power
2	Ground

1.15 Accelerator pedal position sensor 2 -G185-

Accelerator pedal position sensor -G79-

6-pin connector -T6h-

Cavity	Function	Cavity	Function
1	5 volt, sensor 2	4	Signal, sensor 1
2	5 volt, sensor 1	5	Ground, sensor 2
3	Ground, sensor 2	6	Signal, sensor 2

1.16 Automatic glow time control module -J179-

11-pin connector -T11b-

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Cavity	Function	Cavity	Function
G1	Glow 1, power	DT	Signal, Diagnoses
G2	Glow 2, power	ST	Signal, Control
G3	Glow 3, power	30	Voltage Supply
G4	Glow 4, power	10	. . .
87	Signal (+), Sensor	11	. . .
31	Ground, Sensor		

1.17 Mass airflow sensor -G70-

TDI engine

5-pin connector -T5d-

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Cavity	Function	Cavity	Function
1	Signal, sensor (Air-mass)	4	Ground, Sensor
2	Signal, sensor (temperature)	5	Voltage Supply
3	. . .		

1.18 Positive crankcase ventilation heating element -N79-

Cavity	Function
1	Power
2	Ground

1.19 Fuel pressure regulator valve -N276-

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Cavity	Function
1	Ground
2	Power

1.20 Camshaft position sensor -G40-

3-pin connector -T3q-

Cavity	Function
1	5 Volt, Sensor
2	Signal, Sensor
3	Ground, sensor

1.21 Heated oxygen sensor -G39-

Oxygen sensor heater -Z19-

6-pin connector -T6w-

Cavity	Function	Cavity	Function
1	Voltage Supply	4	Heater, Voltage (H+)
2	Ground, Sensor	5	Trim Current (RT)
3	Heater, Ground (H -)	6	Voltage, sensor (RE+)

1.22 Oxygen sensor after three way catalytic converter -G130-

Heater for oxygen sensor 1 after catalytic converter -Z29-

- ⇒ e1.22.1 ngine", page 14
- ⇒ e1.22.2 ngines", page 15

1.22.1 TDI engine

6-pin connector -T6af-

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Cavity	Function	Cavity	Function
1	Voltage Supply	4	Heater, Voltage (H+)
2	Ground, Sensor	5	Trim Current (RT)
3	Heater, Ground (H -)	6	Voltage, sensor (RE+)

1.22.2 2.5L engines

4-pin connector -T4ao-

Cavity	Function	Cavity	Function
1	Heater, Voltage (H+)	3	Ground, Sensor
2	Heater, Ground (H -)	4	Signal, Sensor

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1.23 Charge pressure actuator position sensor -G581-

Cavity	Function
1	Ground, sensor
2	Signal, Sensor
3	5 Volt, Sensor

1.24 Fuel metering valve -N290-

Cavity	Function
1	Ground
2	Power

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1.25 Throttle valve control module -J338-

- ⇒ e1.25.1 ngine", page 17
- ⇒ e1.25.2 ngines", page 17

1.25.1 TDI engine

Cavity	Function	Cavity	Function
1	Ground, sensor	3	PWM signal, sensor
2	Voltage supply, sensor	4	Signal status, sensor

1.25.2 2.5L engines

6-pin connector -T6x-

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Cavity	Function	Cavity	Function
1	Signal monitor, sensor 2	4	Signal monitor, sensor 1
2	Signal (+), sensor 1+2	5	Ground, motor
3	Voltage Supply, motor	6	Signal (-), sensor 1+2

1.26 Exhaust door control unit -J883-

5-pin connector -T5s-

Cavity	Function	Cavity	Function
1	5 volt, power	4	Motor +
2	Sensor, signal	5	Motor -
3	Ground		

1.27 Engine coolant temperature sensor on radiator -G83-

Cavity	Function
1	Signal input, sensor
2	Signal output, sensor

1.28 Engine coolant temperature sensor -G62-

Cavity	Function
1	Signal input, sensor
2	Signal output, sensor

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1.29 Fuel temperature sensor -G81-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.30 Exhaust gas temperature sensor 3 -G495-

Double connector -T2bb-

Cavity	Function
1	Ground, sensor

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Cavity	Function
2	Signal, sensor

1.31 Exhaust gas temperature sensor 2 -G448-

Double connector -T2ba-

Cavity	Function
1	Ground, sensor
2	Signal, sensor

1.32 Clutch position sensor -G476-

5-pin connector -T5m-

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Cavity	Function	Cavity	Function
1	Ground, sensor	4	Signal, Interlock
2	Signal, GRA	5	Power, sensor
3	. . .		

1.33 EVAP canister purge regulator valve 1 -N80-

Cavity	Function
1	Power, sensor
2	Ground, sensor

1.34 Secondary air injection sensor 1 -G609-

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◆ ⇒ "1.34.1 , page 23

1.34.1 4-pin

4-pin connector -T4aw-

Cavity	Function	Cavity	Function
1	Ground	3	5 Volt, Sensor
2	. . .	4	Signal

1.35 Manifold absolute pressure sensor -G71-

Cavity	Function	Cavity	Function
1	Ground	3	Power

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Cavity	Function	Cavity	Function
2	Signal, temperature sensor	4	Signal, MAP sensor

1.36 Knock sensor 1 -G61-

Cavity	Function
1	Power supply, Sensor
2	Ground, Sensor
3	Monitor, sensor

1.37 Knock sensor 2 -G66-

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Cavity	Function	Cavity	Function
1	Power supply, Sensor	3	Monitor, sensor
2	Ground, Sensor		

1.38 Oxygen sensor in bank 1 center three way catalytic converter -G465-

Oxygen sensor 3 heater -Z62-

4-pin connector -T4v-

Cavity	Function	Cavity	Function
1	Heater, Voltage (H+)	3	Ground, Sensor
2	Heater, Ground (H -)	4	Signal, Sensor

1.39 Leak detection pump -V144-

3-pin connector -T3d-

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Cavity	Function	Cavity	Function
1	Signal, Sensor	3	Power supply
2	Ground		

1.40 Camshaft adjustment valve 1 -N205-

Cavity	Function
1	Ground
2	Power

1.41 Secondary air injection solenoid valve -N112-

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Cavity	Function
1	Power
2	Ground

1.42 Ignition coil 1 with power output stage -N70-

4-pin connector -T4af-

Cavity	Function	Cavity	Function
1	Power	3	Module ground
2	Chassis ground	4	Coil ground

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1.43 Ignition coil 2 with power output stage -N127-

4-pin connector -T4ag-

Cavity	Function	Cavity	Function
1	Power	3	Module ground
2	Chassis ground	4	Coil ground

1.44 Ignition coil 3 with power output stage -N291-

4-pin connector -T4ah-

Cavity	Function	Cavity	Function
1	Power	3	Module ground

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Cavity	Function	Cavity	Function
2	Chassis ground	4	Coil ground

1.45 Ignition coil 4 with power output stage -N292-

4-pin connector -T4ai-

Cavity	Function	Cavity	Function
1	Power	3	Module ground
2	Chassis ground	4	Coil ground

1.46 Ignition coil 5 with power output stage -N323-

4-pin connector -T4aj-

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Cavity	Function	Cavity	Function
1	Power	3	Module ground
2	Chassis ground	4	Coil ground

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1 Conn. Views Parking Aid

1.1 Rear parking aid warning buzzer -H15-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

1.2 Front parking aid warning buzzer -H22-

Cavity	Function
1	Signal (+), sensor
2	Signal (-), sensor

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1.3 Right front parking aid sensor -G252-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

1.4 Right front center parking aid sensor -G253-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

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1.5 Left front center parking aid sensor -G254-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

1.6 Left front parking aid sensor -G255-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

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1.7 Left front parallel parking assistance sensor -G568-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

1.8 Right front parallel parking assistance sensor -G569-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

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1.9 Left rear parking aid sensor -G203-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

1.10 Left rear center parking aid sensor -G204-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

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1.11 Right rear center parking aid sensor -G205-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

1.12 Right rear parking aid sensor -G206-

Cavity	Function
1	Signal return, sensor
2	Signal, sensor
3	Ground, Sensor

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1.13 Parking aid button -E266-

6-pin connector -T6aw-

Cavity	Function	Cavity	Function
1	Ground (31), LED	4	Ground (31), sensor
2	Power, LED	5	On/Off
3	Dimmer signal (58d), Sensor	6	Dimmer ground (31), sensor

1.14 Parking aid control module -J446-

- ⇒ “1.14.1 16-pin ”, page 8
- ⇒ “1.14.2 12-pin (a) ”, page 8
- ⇒ “1.14.3 12-pin (w) ”, page 9
- ⇒ “1.14.4 12-pin from July 2009”, page 10
- ⇒ “1.14.5 12-pin from July 2010”, page 10

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1.14.1 16-pin

16-pin connector -T16c-

Cavity	Function	Cavity	Function
1	Ignition power (15)	9	Signal, LED
2	Signal, Rear Buzzer	10	Signal, Rear Buzzer
3	....	11	....
4	On/Off	12	....
5	....	13	Signal, LED
6	CAN-H	14	....
7	.....	15	CAN-L
8	Ground (31), Module	16	Switch input

1.14.2 12-pin (a)

12-pin connector -T12a-

Cavity	Function	Cavity	Function
1	Ground, Front Sensors	7	Signal, sensor (Right front center)

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Cavity	Function	Cavity	Function
2	Signal Return, Rear Sensors	8	Signal, sensor (Right front)
3	Signal (-), Front Buzzer	9	....
4	Signal (+), Front Buzzer	10	....
5	Signal, sensor (Left front)	11	....
6	Signal, sensor (Left front center)	12	....

1.14.3 12-pin (w)

12-pin connector -T12w-

Cavity	Function	Cavity	Function
1	. . .	7	. . .
2	Signal, sensor (Right rear inner)	8	Ground, rear sensors
3	Signal, sensor (Left rear inner)	9	. . .
4	Signal, sensor (Right rear)	10	. . .
5	Signal, sensor (Left rear)	11	Power, rear sensors
6	. . .	12	. . .

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1.14.4 12-pin from July 2009

12-pin connector -T12-

Cavity	Function	Cavity	Function
1	....	7	....
2	Signal, Sensor (Right rear center)	8	Ground, Rear Sensors
3	Signal, Sensor (Left rear center)	9	....
4	Signal, Sensor (Right rear)	10	....
5	Signal, Sensor (Left rear)	11	Signal Return, Rear Sensors
6	....	12	....

1.14.5 12-pin from July 2010

12-pin connector -T12-

Cavity	Function	Cavity	Function
1	Ground, front Sensors	7	Signal, Sensor (Right front center)
2	Power, front sensors	8	Signal, Sensor (Right front)
3	Signal (-), Front Buzzer	9	Signal, Sensor (Left front parallel)

Cavity	Function	Cavity	Function
4	Signal (+), Front Buzzer	10	Signal, Sensor (Right front parallel)
5	Signal, Sensor (Left front)	11	Signal Return, Rear Sensors
6	Signal, Sensor (Left front inner)	12	....

1.15 Rearview camera -R189-

- ⇒ “1.15.1 5-pin ”, page 11
- ⇒ “1.15.2 4-pin ”, page 12

1.15.1 5-pin

5-pin connector -T5l-

Cavity	Function	Cavity	Function
1	Signal out	4	Signal out
2	Signal out	5	Ground (RNS)
3	Signal out		

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1.15.2 4-pin

4-pin connector -T4bj-

Cavity	Function	Cavity	Function
1	Battery (30a)	3	...
2	Ground (31)	4	Ground (31), sensor

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1 Conn. Views Transmission

1.1 Tiptronic switch -F189-

Selector lever park position lock switch -F319-

- ⇒ “1.1.1 10-pin (s)”, page 1
- ⇒ “1.1.2 10-pin (w)”, page 2
- ⇒ “1.1.3 2-pin”, page 2

1.1.1 10-pin (s)

10-pin connector -T10s-

Cavity	Function	Cavity	Function
1	Ground, park switch	6	Tiptronic Info
2	Park switch, output	7	Power, shift lock solenoid
3	PWM to Transmission Controller	8	Ground, shift lock solenoid
4	. . .	9	Power, switched
5	Output to Transmission Range Switch	10	Power, battery

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1.1.2 10-pin (w)

10-pin connector -T10w-

Cavity	Function	Cavity	Function
1	Ground, park switch	6	Output to Transmission Range Display
2	Park switch, output	7	Output to Transmission Range Display
3	Output to Transmission Range Display	8	Output to Transmission Range Display
4	Output to Transmission Range Display	9	...
5	Output to Transmission Range Display	10	...

1.1.3 2-pin

Double connector -T2p-

Cavity	Function
1	Shift lock solenoid signal
2	Shift lock solenoid ground

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1.2 Selector lever sensor system control module -J587-

Selector lever park position lock switch -F319-

- ⇒ “1.2.1 10-pin (s)”, page 3
- ⇒ “1.2.2 10-pin (w)”, page 4
- ⇒ “1.2.3 2-pin”, page 4

1.2.1 10-pin (s)

10-pin connector -T10s-

Cavity	Function	Cavity	Function
1	Ground, park switch	6	. . .
2	Park switch, output	7	CAN H
3	. . .	8	CAN L
4	. . .	9	Power, switched
5	Output to Transmission Range Switch	10	Power, battery

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1.2.2 10-pin (w)

10-pin connector -T10w-

Cavity	Function	Cavity	Function
1	Ground, park switch	6	Output to Transmission Range Display
2	Park switch, output	7	Output to Transmission Range Display
3	Output to Transmission Range Display	8	Output to Transmission Range Display
4	Output to Transmission Range Display	9	...
5	Output to Transmission Range Display	10	...

1.2.3 2-pin

Double connector -T2p-

Cavity	Function
1	Shift lock solenoid signal
2	Shift lock solenoid ground

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1.3 Transmission fluid temperature sensor -G93-

Transmission input speed sensor -G182-

Transmission output speed sensor -G195-

8-pin connector -T8-

Cavity	Function	Cavity	Function
1	Signal, transmission fluid temperature sensor	5	Signal (+), output speed sensor
2	Signal (-), transmission fluid temperature sensor	6	Signal (-), output speed sensor
3	Signal (+), input speed sensor	7	. . .
4	Signal (-), input speed sensor	8	. . .

1.4 Multifunction transmission range switch -F125-

10-pin connector -T10n-

Cavity	Function	Cavity	Function
1	Signal, (A)	6	. . .
2	Signal, (ST+) Park Neutral	7	Signal, (B)
3	Ground	8	Signal, (BK)

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Cavity	Function	Cavity	Function
4	Ground, (ST-)	9	Signal, (C)
5	Signal, (PA)	10	Power, battery

1.5 Transmission valve body solenoids

14-pin connector -T14-

Cavity	Function	Cavity	Function
1	Signal, Solenoid valve 1 -N88-	8	Signal (-), Solenoid valve 3 -N90-
2	Signal, Solenoid valve 2 -N89-	9	Signal (+), Solenoid valve 10 -N283-
3	Signal (+), Solenoid valve 5 -N92-	10	Signal (-), Solenoid valve 10 -N283-
4	Signal (-), Solenoid valve 5 -N92-	11	Signal (+), Solenoid valve 4 -N91-
5	Signal (+), Solenoid valve 9 -N282-	12	Signal (-), Solenoid valve 4 -N91-
6	Signal (-), Solenoid valve 9 -N282-	13	Signal (+), Solenoid valve 6 -N93-
7	Signal (+), Solenoid valve 3 -N90-	14	Signal (-), Solenoid valve 6 -N93-

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1.6 Transmission control module -J217-

52-pin connector -T52-

Cavity	Function	Cavity	Function
1	Ground	27	Power, switched
2	Ground	28	Power, switched
3	Power, battery	29	Power, shift lock solenoid
4	Signal (+), Solenoid valve 10 -N283-	30	Signal (+), Solenoid valve 3 -N90-
5	Signal (+), Solenoid valve 4 -N91-	31	Signal (+), Solenoid valve 6 -N93-
6	Signal (-), Solenoid valve 5 -N92-	32	Signal (-), Solenoid valve 9 -N282-
7	. . .	33	. . .
8	Signal (-), transmission fluid temperature sensor	34	CAN L
9	K Line, diagnostic	35	. . .
10	Signal, (B)	36	Signal, (C)
11	. . .	37	. . .
12	. . .	38	Signal (+), output speed sensor
13	. . .	39	Signal (-), input speed sensor
14	. . .	40	PWM to Tiptronic switch
15	Signal, Solenoid valve 2 -N89-	41	Signal, Solenoid valve 1 -N88-
16	Signal (+), Solenoid valve 9 -N282-	42	Signal (+), Solenoid valve 5 -N92-
17	Signal (-), Solenoid valve 6 -N93-	43	Signal (-), Solenoid valve 4 -N91-
18	Signal (-), Solenoid valve 3 -N90-	44	Signal (-), Solenoid valve 10 -N283-
19	. . .	45	Signal, transmission fluid temperature sensor
20	. . .	46	CAN H
21	Signal, (BK)	47	Signal, (A)
22	Signal, (PA)	48	Tiptronic Info
23	. . .	49	. . .

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Cavity	Function	Cavity	Function
24	. . .	50	Signal (-), output speed sensor
25	. . .	51	Signal (+), input speed sensor
26	. . .	52	. . .

1.7 DSG transmission Mechatronic -J743-

20-pin connector -T20e-

Cavity	Function	Cavity	Function
1	K Line, diagnostic	11	Power, battery
2	. . .	12	. . .
3	. . .	13	Power, switched
4	. . .	14	. . .
5	. . .	15	CAN L
6	. . .	16	Ground
7	. . .	17	Output to Vehicle electrical system control module
8	. . .	18	Power, battery
9	. . .	19	Ground
10	CAN H	20	. . .

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1 Conn. Views Comfort

1.1 Driver door control module -J386-

- ⇒ “1.1.1 16-pin”, page 1
- ⇒ “1.1.2 20-pin”, page 2
- ⇒ “1.1.3 32-pin”, page 2

1.1.1 16-pin

16-pin connector -T16a-

Cavity	Function	Cavity	Function
1	Interior rearview mirror horizontal adjustment position sensor	9	Interior rearview mirror vertical adjustment position sensor
2	Position sensor (-)	10	Entry lamp (+)
3	Position sensor (+)	11	Ground
4	Rearview mirror vertical adjustment	12	Rearview mirror horizontal adjustment
5	Driver Mirror Adjustment Signal	13	Turn Signal input
6	…	14	Folding mirror (-)
7	Driver Heated Mirror Signal	15	Folding mirror (+)
8	Driver automatic dimming exterior rearview mirror signal	16	Driver automatic dimming exterior rearview mirror signal

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1.1.2 20-pin

20-pin connector -T20a-

Cavity	Function	Cavity	Function
1	Mirror Dimmer Signal 1	11	Locked Indicator for Front Passengers (if equipped) LED
2	Central Lock, -SAFE- Signal	12	Central Lock, Lock Signal
3	Central Lock, Locked Signal	13	Central Lock, Unlock Signal
4	Outside Door Handle Switch Signal	14	. . .
5	. . .	15	Comfort System Line Bus
6	Ground	16	Central Lock Switch Input, Drivers Switch
7	Lock Switch Signal	17	. . .
8	Can HI	18	Power
9	Can Low	19	Ground
10	Mirror Dimmer Signal 2	20	Power

1.1.3 32-pin

32-pin connector -T32a-

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Cavity	Function	Cavity	Function
1	Locks Status LED, Signal	17	…
2	Locks -SAFE- Status LED, Signal	18	…
3	Child Protection Locks LED Status Signal 1	19	…
4	…	20	Child Protection Locks LED Status Signal 2
5	…	21	Locks -SAFE- Status LED, Ground
6	Exterior Rearview Mirror Select Switch (Left or Right) Signal	22	…
7	Right Rear Window Motor, Driver Switch Signal	23	Left Rear Window Motor, Driver Switch Signal
8	Exterior Rearview Mirror Adjustment Switch (Left or Right) Signal	24	Dimmer Signal, Drivers Mirror Switch Lamps
9	…	25	Dimmer Signal, Drivers Switch Lamps
10	…	26	Glove Box Lamp Control (if equipped)
11	…	27	…
12	…	28	Exterior Rearview Mirror Heater Signal
13	Fuel Door Release Switch	29	…
14	Child Protection Locks Switch	30	Rear Lid Release Signal
15	Window Motor Front Passenger's Door, Driver Switch Signal	31	Window Motor Driver's Door, Driver Switch Signal
16	…	32	Lock / Unlock Signal Driver's Door Switch

1.2 Front passenger door control module -J387-

- ⇒ “1.2.1 16-pin”, page 4
- ⇒ “1.2.2 20-pin”, page 4
- ⇒ “1.2.3 32-pin”, page 5

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1.2.1 16-pin

16-pin connector -T16g-

Cavity	Function	Cavity	Function
1	Interior rearview mirror horizontal adjustment position sensor	9	Interior rearview mirror vertical adjustment position sensor
2	Position sensor (-)	10	Entry lamp (+)
3	Position sensor (+)	11	Ground
4	Rearview mirror vertical adjustment	12	Rearview mirror horizontal adjustment
5	Passenger Exterior Mirror Adjustment Signal	13	Turn Signal input
6	…	14	Folding mirror (-)
7	Passenger Exterior Heated Mirror Signal	15	Folding mirror (+)
8	…	16	....

1.2.2 20-pin

20-pin connector -T20b-

Cavity	Function	Cavity	Function
1	…	11	…

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Cavity	Function	Cavity	Function
2	Central Lock, -SAFE- Signal	12	Central Lock, Lock Signal
3	Central Lock, Locked Signal	13	Central Lock, Unlock Signal
4	Outside Door Handle Switch Signal	14	…
5	…	15	Comfort System Line Bus
6	Ground (31)	16	Central Lock Switch Input, Drivers Switch
7	Lock Switch Signal	17	…
8	Can HI	18	Battery +
9	Can Low	19	Ground
10…	Mirror Dimmer Signal 2	20	Battery +

1.2.3 32-pin

32-pin connector -T32b-

Cavity	Function	Cavity	Function
1	Locks Status LED, Signal	17	…
2	…	18	…
3	…	19	…
4	…	20	…
5	…	21	Locks -SAFE- Status LED, Ground
6	…	22	Door Contact Switch Signal
7	…	23	…
8	…	24	Dimmer Signal, Passenger Switch Lamps
9	…	25	Dimmer Signal, Passenger Window Switch Lamps
10	…	26	…
11	…	27	…

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Cavity	Function	Cavity	Function
12	…	28	…
13	…	29	…
14	…	30	…
15	Window Motor Front Passenger's Door, Switch Signal	31	…
16	…	32	Lock / Unlock Signal,Front Passenger Switch

1.3 Driver seat height adjustment motor -V138-

4-pin connector -T4bd-

Cavity	Function	Cavity	Function
1	Down	3	. . .
2	Up	4	. . .

1.4 Driver seat forward/back adjustment motor -V28-

4-pin connector -T4be-

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Cavity	Function	Cavity	Function
1	Forward	3	. . .
2	Back	4	. . .

1.5 Seat angle adjustment motor -V231-

4-pin connector -T4bf-

Cavity	Function	Cavity	Function
1	Up	3	. . .
2	Down	4	. . .

1.6 Driver backrest adjustment motor -V45-

Cavity	Function	Cavity	Function
1	Back	3	. . .
2	Forward	4	. . .

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1.7 Driver seat lumbar support adjustment switch -E176-

6-pin connector -T6ah-

Cavity	Function	Cavity	Function
1	Lumbar support curvature adjustment motor - Forward	4	Power
2	Lumbar support curvature adjustment motor - Back	5	Lumbar support height adjustment motor - Up
3	Ground	6	Lumbar support height adjustment motor - Down

1.8 Front passenger seat lumbar support adjustment switch -E177-

6-pin connector -T6ai-

Cavity	Function	Cavity	Function
1	Lumbar support curvature adjustment motor - Forward	4	Power
2	Lumbar support curvature adjustment motor - Back	5	Lumbar support height adjustment motor - Up
3	Ground	6	Lumbar support height adjustment motor - Down

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1.9 Driver seat lumbar support curvature adjustment motor -V125-

Cavity	Function
1	Forward
2	Back

1.10 Driver seat lumbar support height adjustment motor -V129-

Cavity	Function
1	Down
2	Up

1.11 Seat forward/back adjustment button -E418-

Angle adjustment button -E421-

Seat height adjustment button -E424-

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Backrest adjustment button -E425-

- ⇒ “1.11.1 10-pin ”, page 10
- ⇒ “1.11.2 4-pin ”, page 10

1.11.1 10-pin

10-pin connector -T10ac-

Cavity	Function	Cavity	Function
1	Seat angle - Up	6	Seat - Forward
2	Seat - Back	7	Backrest - Forward
3	Seat height - Up	8	Seat height - Down
4	Seat angle - Down	9	. . .
5	Backrest - Back	10	. . .

1.11.2 4-pin

4-pin connector -T4bc-

Cavity	Function	Cavity	Function
1	Power	3	Power

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Cavity	Function	Cavity	Function
2	Ground	4	Ground

1.12 Heated driver seat temperature sensor -G59-

4-pin connector -T4l-

Cavity	Function	Cavity	Function
1	Power, heaters	3	Power, temperature sensor
2	Ground, temperature sensor	4	Ground, heaters

1.13 Driver backrest heating element -Z7-

Double connector -T2d-

Cavity	Function
1	Power
2	Ground

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1.14 Front passenger heated seat temperature sensor -G60-

4-pin connector -T4m-

Cavity	Function	Cavity	Function
1	Power, heaters	3	Power, temperature sensor
2	Ground, temperature sensor	4	Ground, heaters

1.15 Front passenger backrest heating element -Z9-

Double connector -T2e-

Cavity	Function
1	Power
2	Ground

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1.16 Front seat heating control module -J774-

8-pin connector -T8v-

Cavity	Function	Cavity	Function
1	Power, passenger seat heaters	5	Power, driver seat heaters
2	Ground, module	6	Power, module
3	Power, module	7	Ground, module
4	Signal, passenger seat temperature sensor	8	Signal, driver seat temperature sensor

1.17 Rear lid remote release button -E233-

4-pin connector -T4w-

Cavity	Function	Cavity	Function
1	Ground (31)	3	. . .
2	Power (58d)	4	Signal

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1.18 Mirror adjusting switch -E43-

Exterior rearview mirror heating switch -E231-

Cavity	Function	Cavity	Function
1	Signa l, motor	4	. . .
2	Ground (31)	5	Mirror selection
3	Heater	6	Power (58d)

1.19 Driver power window button -E710-

Front passenger power window button in driver door -E715-

Driver side rear power window button in driver door -E712-

Passenger side rear power window button in driver door -E714-

Child safety lock button -E318-

10-pin connector -T10c-

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Cavity	Function	Cavity	Function
1	Signal, child safety lock button	6	Signal, Front passenger power window switch
2	Signal, child safety lock -activated- indicator lamp	7	Signal, Right rear power window switch
3	. . .	8	Signal, Left rear power window switch
4	Ground (31)	9	Power (58d)
5	Signal, driver power window switch	10	. . .

1.20 Front passenger power window button -E716-

4-pin connector -T4c-

Cavity	Function	Cavity	Function
1	Ground (31)	3	. . .
2	Power (58d)	4	Signal

1.21 Driver side rear power window button -E711-

4-pin connector -T4d-

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Cavity	Function	Cavity	Function
1	Ground (31)	3	. . .
2	Power (58d)	4	Signal

1.22 Passenger side rear power window button -E713-

4-pin connector -T4e-

Cavity	Function	Cavity	Function
1	Ground (31)	3	. . .
2	Power (58d)	4	Signal

1.23 Driver interior locking button -E308-

4-pin connector -T4n-

Cavity	Function	Cavity	Function
1	Ground (31)	3	Illumination
2	Power (58d)	4	Signal

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1.24 Front passenger interior locking button -E309-

4-pin connector -T4z-

Cavity	Function	Cavity	Function
1	Ground (31)	3	Illumination
2	Power (58d)	4	Signal

1.25 Driver side rear interior locking button -E717-

4-pin connector -T4i-

Cavity	Function	Cavity	Function
1	Ground (31)	3	Illumination
2	Power (58d)	4	Signal

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1.26 Passenger side rear interior locking button -E718-

4-pin connector -T4h-

Cavity	Function	Cavity	Function
1	Ground (31)	3	Illumination
2	Power (58d)	4	Signal

1.27 Vehicle electrical control module system -J519-

- ⇒ “1.27.1 52-pin (a)”, page 18
- ⇒ “1.27.2 52-pin (b)”, page 20
- ⇒ “1.27.3 52-pin (c)”, page 21

1.27.1 52-pin (a)

Black connector

52-pin connector -T52a-

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Cavity	Function	Cavity	Function
1	Fuse 26 on fuse holder B -SB26-	27	Left tail light bulb -M4- Rear left side light
2	. . .	28	Left reversing light bulb -M16-
3	. . .	29	Contact switch in lock cylinder for rear lid, anti-theft alarm system and central locking system -F124-
4	Right washer jet heater element -Z21-	30	. . .
5	Left headlight main beam bulb -M30-	31	. . .
6	Left daytime running light bulb -L174-	32	. . .
7	. . .	33	. . .
8	. . .	34	. . .
9	Rear right turn signal bulb -M8-	35	Heater/heat output switch -E16-
10	Front left turn signal bulb -M5-	36	Interior monitoring deactivation switch -E267- / deactivation button for vehicle inclination sender -E360-
11	Left headlight dipped beam bulb -M29-	37	. . .
12	Luggage compartment light switch -F6- / luggage compartment light -W3-	38	. . .
13	Rear lid handle release button -E234-	39	. . .
14	Hood contact switch -F266-	40	. . .
15	. . .	41	. . .
16	Reversing light switch -F4-	42	Ground connection 10, in main wiring harness -375-
17	Rear fog light switch -E18-	43	Windscreen and rear window washer pump -V59- / rear window wiper motor -V12-
18	Light switch -E1- Zero position	44	Right daytime running lamp and parking lamp LED module -L177- (NAR), right side light bulb -M3- (RoW), right front side marker light bulb -M34- -
19	Light switch -E1- Side lights	45	Additional brake light bulb -M25-
20	Light switch -E1- , headlight main beam	46	Tank filler flap locking motor -V155-
21	Fog light switch -E7-	47	. . .
22	Light switch -E1- Headlight dipped beam	48	. . .
23	Ground connection 17, in main wiring harness -382- , from July 2010, Ground connection 8, in main wiring harness -373- , from July 2009	49	. . .
24	Fuse 3 on fuse holder B -SB3-	50	. . .
25	Left fog light bulb -L22-	51	. . .
26	Right brake and tail light bulb -M22-	52	. . .

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1.27.2 52-pin (b)

White connector

52-pin connector -T52b-

Cavity	Function	Cavity	Function
1	Fuse 15 on fuse holder C -SC15-	27	. . .
2	Rear window wiper motor -V12- , windscreen and rear window washer pump -V59-	28	Terminal 75 voltage supply relay 1 -J680-
3	. . .	29	Terminal 50 voltage supply relay -J682-
4	. . .	30	Switch and instrument illumination regulator -E20-
5	Tank filler flap locking motor -V155- / fuel tank cap detection switch -F334-	31	. . .
6	. . .	32	. . .
7	. . .	33	Rain/light recognition sensor -G397- LIN bus,wiper motor control unit -J400-
8	. . .	34	. . .
9	. . .	35	. . .
10	. . .	36	Alarm horn -H12- Interior monitoring sensor -G273-
11	Rear lid electric opener motor -V254-	37	Interior monitoring deactivation switch -E267- / deactivation button for vehicle inclination sender -E360-
12	Terminal 15 voltage supply relay -J329-	38	Fuel supply relay -J643- , fuel pump control unit -J538- depending on equipment
13	. . .	39	. . .
14	Heater/heat output switch -E16- Heated rear window warning lamp -K10-	40	Headlight washer system relay -J39-
15	Switch and instrument illumination regulator -E20-	41	Dual tone horn relay -J4-
16	. . .	42	Positive connection 4 (30a) in dash panel wiring harness -A168-
17	. . .	43	Positive connection 2 (30a), in interior wiring harness -B150-
18	. . .	44	. . .
19	. . .	45	. . .

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Cavity	Function	Cavity	Function
20	. . .	46	. . .
21	Heated front seats control unit -J774-	47	. . .
22	Heated rear window relay -J9-	48	. . .
23	. . .	49	. . .
24	Hazard warning lights button -E229-	50	Front left entry light -W31- / front right entry light -W32
25	. . .	51	Positive connection 2 (58b), in interior wiring harness -B238-
26	. . .	52	367 - ground connection 2, in main wiring harness

1.27.3 52-pin (c)

Brown connector

52-pin connector -T52c-

Cavity	Function	Cavity	Function
1	Positive connection 6 (30a), in dash panel wiring harness -A198- , vacant	27	Number plate light -X-
2	Alarm horn -H12-	28	Rear right fog light bulb -L47- / right reversing light bulb -M17-
3	Right tail light bulb -M2-	29	Right fog light bulb -L23
4	Left brake light bulb -M9- , Left tail light -MX3-	30	Mechatronic unit for dual clutch gearbox -J743- P-N / Ground connection 3, in main wiring harness -368- Start/stop
5	367 - ground connection 2, in main wiring harness	31	Steering column electronics control unit -J527-
6	. . .	32	DC/AC converter with socket, 12V-230V -U13-
7	Hazard warning lights button -E229-	33	. . .
8	. . .	34	Positive connection (50), in dash panel wiring harness -A41-
9	. . .	35	Switch and instrument illumination regulator -E20-
10	Front interior lamp -W1- , interior monitoring deactivation switch -E267-	36	. . .

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Cavity	Function	Cavity	Function
11	. . .	37	. . .
12	. . .	38	. . .
13	Positive connection 6 (15a) in dash panel wiring harness -A201-	39	. . .
14	Positive connection (50), in main wiring harness -B276- Steering column electronics control unit -J527-	40	Central locking and anti-theft alarm system aerial -R47- Aerial screening
15	Connection 1 (convenience CAN bus, high), in main wiring harness -B397-	41	Central locking and anti-theft alarm system aerial -R47-
16	Connection 1 (convenience CAN bus, low), in main wiring harness -B406	42	Fuse 16 on fuse holder B -SB16-
17	Connection (54), in interior wiring harness -B131-	43	. . .
18	. . .	44	. . .
19	. . .	45	. . .
20	. . .	46	Right headlight main beam bulb -M32
21	. . .	47	Rear left fog light bulb -L46- / left reversing light bulb -M16- depending on equipment
22	. . .	48	Left dip beam screen -V294-
23	. . .	49	Right dip beam screen -V295-
24	. . .	50	Front right turn signal bulb -M7-
25	Right fog light bulb -L23-	51	Rear left turn signal bulb -M6-
26	Connection (58L), in dash panel wiring harness -A84-	52	Right dip beam headlight bulb -M31- / right headlight power output stage -J668- depending on equipment

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1 Conn. Views Steering System

1.1 Power steering control module -J500-

- ⇒ “1.1.1 2-pin ”, page 1
- ⇒ “1.1.2 3-pin ”, page 2
- ⇒ “1.1.3 5-pin (g)”, page 2
- ⇒ “1.1.4 5-pin (h)”, page 3

1.1.1 2-pin

Double connector -T2l-

Cavity	Function
1	Power, battery
2	Ground

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1.1.2 3-pin

3-pin connector -T3ao-

Cavity	Function	Cavity	Function
1	CAN Low	3	Power
2	CAN High		

1.1.3 5-pin (g)

5-pin connector -T5g-

Cavity	Function	Cavity	Function
1	. .	4	Ground
2	Ground	5	Signal
3	Index		

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1.1.4 5-pin (h)

5-pin connector -T5h-

Cavity	Function	Cavity	Function
1	Powertrain CAN Low	4	Power
2	Powertrain CAN High	5	. . .
3	. . .		

1.2 Steering column electronics control module -J527-

- ⇒ “1.2.1 20-pin ”, page 3
- ⇒ “1.2.2 4-pin ”, page 4
- ⇒ “1.2.3 16-pin ”, page 5
- ⇒ “1.2.4 12-pin”, page 5

1.2.1 20-pin

20-pin connector -T20d-

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Cavity	Function	Cavity	Function
1	. . .	11	Powertrain CAN Low Tiptronic switch (if equipped)
2	. . .	12	Powertrain CAN High
3	. . .	13	ECM, input
4	. . .	14	Comfort CAN High
5	. . .	15	Comfort CAN Low
6	. . .	16	Tiptronic switch (if equipped)
7	. . .	17	Power, (if equipped)
8	. . .	18	Power, Starter, (if equipped)
9	. . .	19	Power, battery
10	. . .	20	Ground

1.2.2 4-pin

4-pin connector -T4k-

Cavity	Function	Cavity	Function
1	Airbag +	3	. . .
2	Airbag -	4	. . .

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1.2.3 16-pin

16-pin connector -T16p-

Cavity	Function	Cavity	Function
1	Power, battery	9	. . .
2	Ground	10	. . .
3	Comfort CAN Low	11	Tiptronic switch (if equipped)
4	Comfort CAN High	12	Powertrain CAN Low
5	ECM, input	13	Powertrain CAN High
6	Power,Starter, (if equipped)	14	Power (if equipped)
7	Remote start, (if equipped)	15	. . .
8	. . .	16	. . .

1.2.4 12-pin

12-pin connector -T12j-

Cavity	Function	Cavity	Function
1	. . .	7	Ground (31)

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Cavity	Function	Cavity	Function
2	. . .	8	Horn signal
3	Airbag +	9	LIN
4	Airbag -	10	Power (15)
5	Airbag -	11	. . .
6	Airbag +	12	. . .

1.3 Steering angle sensor -G85-

Steering torque sensor -G269-

4-pin connector -T4ae-

Cavity	Function	Cavity	Function
1	Ground	3	Index
2	Signal	4	Ground

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1.4 Electronic steering column lock control module -J764-

16-pin connector -T16s-

Cavity	Function	Cavity	Function
1	. . .	9	. . .
2	Power, battery	10	Ground
3	Power	11	Ground
4	Start system button, input	12	Power
5	. . .	13	Start system button, input
6	Power	14	Selector lever park position lock switch
7	Input, module	15	CAN Low
8	Power	16	CAN High

1.5 Start system button -E378-

4-pin connector -T4cd-

Cavity	Function	Cavity	Function
1	Ground	3	Power, switch output 1

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Cavity	Function	Cavity	Function
2	Power, module	4	Power, switch output 2

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1 Conn. Views Towing

1.1 Towing recognition control module -J345-

12-pin connector -T12h-

Cavity	Function	Cavity	Function
1	....	7	Can - High
2	Brake Lamp Switch, Signal (15A)	8	Can - Low
3	Brake Lamp Switch, Signal (54)	9	Battery + (30)
4	....	10	Ground (31)
5	....	11	Battery + (30) , Left Side Rear Lamps
6	....	12	Battery + (30) , Right Side Rear Lamps

1.2 Trailer socket -U10-

13-pin connector -T13-

Cavity	Function	Cavity	Function
1	Turn Signal, Left Side	8	Back Up Lamps
2	Rear Fog Lamp	9	Battery + (30)

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Cavity	Function	Cavity	Function
3	Ground (31)	10	Reserved for terminal 30
4	Turn Signal, Right Side	11	Reserved for terminal 31
5	Tail Lamp, Right Side	12	....
6	....	13	Ground (31)
7	Tail Lamp, Left Side		

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Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.

- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.

- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.

- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the Volkswagen Factory Approved Scan Tool (ST).

- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.

- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.

- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it

- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.

- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.

- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.

- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.

- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

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- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.

- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.

- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.

- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.

- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.

- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.

- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.

- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.

- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.

- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.

- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.

- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).

- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

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- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.

- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the Volkswagen Factory Approved Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.

- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.

- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.

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