

# Fuses and Relays

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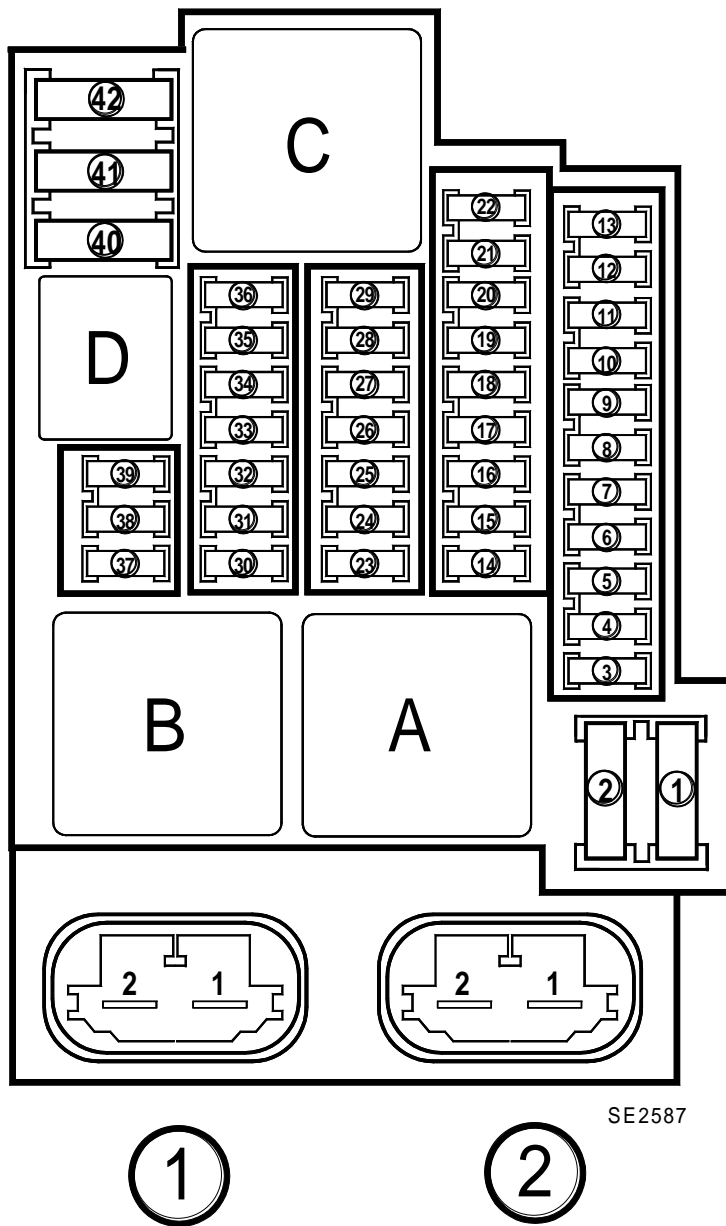
# Fuses and Relays

## PASSENGER COMPARTMENT FUSE AND RELAY BOX (260)

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### Location

This unit is located in the passenger compartment, in the lower left-hand section of the dashboard.



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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F1	--	--	<b>Fuse:</b> not used
F2	--	--	<b>Fuse:</b> not used
F3	10A	BPT9 Or SP4G	<b>Fuse:</b> cigarette lighter (101) <b>on keyless vehicle version</b> Or <b>Fuse:</b> cigarette lighter (101) <b>on vehicle with key version</b>
F4	10A	BPTA	<b>Fuse:</b> second row accessories socket (1382) <b>on keyless vehicle version</b>
F5	--	--	<b>Fuse:</b> not used
F6	--	--	<b>Fuse:</b> not used
F7	5A	15RP	<b>Fuse:</b> passenger electric door mirror (240)
F8	10A	BPT6  Or SP1B	<b>Fuse:</b> <b>on keyless vehicle version:</b> windscreen washer pump (221) via steering column control (1519) – opening element warning sound unit (1920) Or <b>Fuse:</b> <b>on vehicle with key version:</b> windscreen washer pump (221) via steering column control (1519) - anti-theft tracker unit (2186)
F9	--	--	<b>Fuse:</b> not used
F10	10A	BP69	<b>Fuse:</b> instrument panel (247) <b>on keyless vehicle version</b>
F11	--	--	<b>Fuse:</b> not used
F12	--	--	<b>Fuse:</b> not used
F13	--	--	<b>Fuse:</b> not used
F14	25A	BT10	<b>Fuse:</b> passenger electric window motor (204)
F15	5A	BT4	<b>Fuse:</b> brake light switch (160) – ABS with ESP electric control unit (1094) – wheel speed electric control unit (953)
F16	25A	BT8	<b>Fuse:</b> rear right-hand electric window motor (201)

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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F17	25A	BT9	<b>Fuse:</b> rear left-hand electric window motor (202)
F18	10A	BT3	<b>Fuse:</b> passenger storage compartment light (168) – left-hand boot light (509) - front courtesy light (213) - rear courtesy light (300) - front right-hand courtesy mirror light (541) - front left-hand courtesy mirror light (588) - rain sensor (1415) - front passenger door light (524)
F19	10A	BT5	<b>Fuse:</b> combined clock/external temperature/radio telephone display (653) – seat belt reminder module (1601) – CAN network interface unit (1714) – multimedia audio socket (1959) - anti-theft tracker unit (2186) <b>on keyless vehicle version</b>
F20	5A	BT6	<b>Fuse:</b> automatic air conditioning control panel (319)
F21	10A	BT2	<b>Fuse:</b> fuel filler flap locking motor (844)
F22	--	--	<b>Fuse:</b> not used
F23	20A	BP47	<b>Fuse:</b> trailer socket switching module (1971)
F24	15A	BP25	<b>Fuse: via passenger compartment electric control unit (645):</b> tailgate lock (1322) – right-hand luggage compartment lid light (1284) – left-hand luggage compartment lid light (1285)
F25	--	--	<b>Fuse:</b> not used
F26	10A	BP26	<b>Fuse:</b> navigation assistance electric control unit (662)
F27	20A	BP1H	<b>Fuse:</b> radio (261)
F28	--	--	<b>Fuse:</b> not used
F29	--	--	<b>Fuse:</b> not used
F30	15A	BP19	<b>Fuse: via passenger compartment electric control unit (645):</b> Left-hand indicator lights: rear left-hand light (173) – left-hand headlight (227) – driver's electric door mirror (239) Right-hand indicator lights: rear right-hand light (172) – right-hand headlight (226) – passenger electric door mirror (240)
F31	10A	BP77	<b>Fuse:</b> passenger compartment electric control unit supply (645)

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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F32	30A	BP55	<b>Fuse:</b> driver's door multiplexed electric control unit (1122)
F33	25A	BP3	<b>Fuse: via passenger compartment electric control unit (645):</b> rear right-hand door central locking (138) - rear left-hand door central locking (139) - passenger door central locking (141) - fuel filler flap control (1515) - fuel filler flap locking motor (844)
F34	--	--	<b>Fuse:</b> not used
F35	15A	BCP4	<b>Fuse:</b> combined clock/external temperature/radio telephone display (653) – CAN network interface unit (1714) - instrument panel (247) <b>on vehicle with key version</b> - anti-theft tracker unit (2186)
F36	15A	BP75	<b>Fuse:</b> diagnostic socket (225) – alarm warning (1838) – alarm electric control unit (427) – main electromagnetic horn supply (105) via horn relay (229) on fuse and relay board (260)
F37	10A	BPA7	<b>Fuse: via passenger compartment electric control unit (645):</b> Brake lights: rear left-hand light (173) - rear right-hand light (172) – high level brake light (639)
F38	--	--	<b>Fuse:</b> not used
F39	--	--	<b>Fuse:</b> not used
F40	40A	BPT5  Or SP3	<b>Fuse: on keyless vehicle version:</b> fan assembly power module (1023) - passenger compartment fan assembly 1 (1156) via engine running + relay (1616)  Or <b>Fuse: on vehicle with key version:</b> fan assembly power module (1023) - passenger compartment fan assembly 1 (1156)
F41	25A	BP93	<b>Fuse:</b> sunroof (304)
F42	40A	BP15	<b>Fuse:</b> via heated rear screen relay (235) on passenger compartment fuse and relay box (260): heated rear screen (200) – F7 fuse supply on passenger compartment fuse and relay box (260)

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Allocation of relays (depending on equipment level)

No.	Amps	Description
A	70A	<b>Relay:</b> timed non-load shed + battery (no function power cut off during start phase) (1762)
B	70A	<b>Relay:</b> timed load shed + battery 1 (function power cut off during start phase) (1760) <b>on keyless vehicle version</b> <b>Relay:</b> + accessories feed (1760) <b>on vehicle with key version</b>
C	40A	<b>Relay:</b> heated rear screen (235)
D	20A	<b>Relay:</b> horn (229)

Allocation of connector 1

Track	Connection	Description
1	BPS1	Safety + protected battery
2	BP11	Protected + battery feed > passenger compartment 1

Allocation of connector 2

Track	Connection	Description
1	BP13	Protected + battery feed > passenger compartment 3
2	BP12	Protected + battery feed > passenger compartment 2

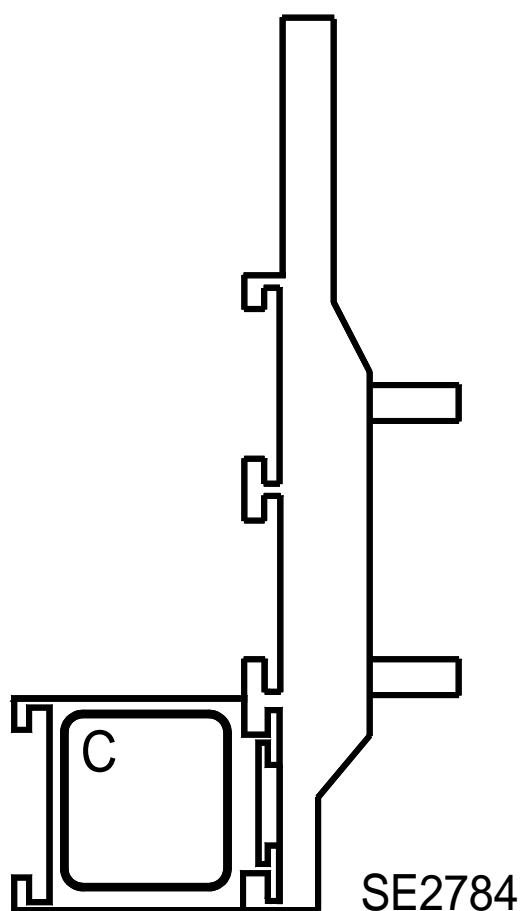
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## FUSE AND RELAY BOARDS (1616)

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### Location

This unit is located in the passenger compartment, in the lower left-hand section of the dashboard, on the steering column side.



Allocation of relays (depending on equipment level)

### Relay board 1616

No.	Amps	Description
C	70A	<b>Relay:</b> engine running 2 + relay (1616) for supplying the passenger compartment fan assembly, <b>on the keyless vehicle version with manual air conditioning</b>

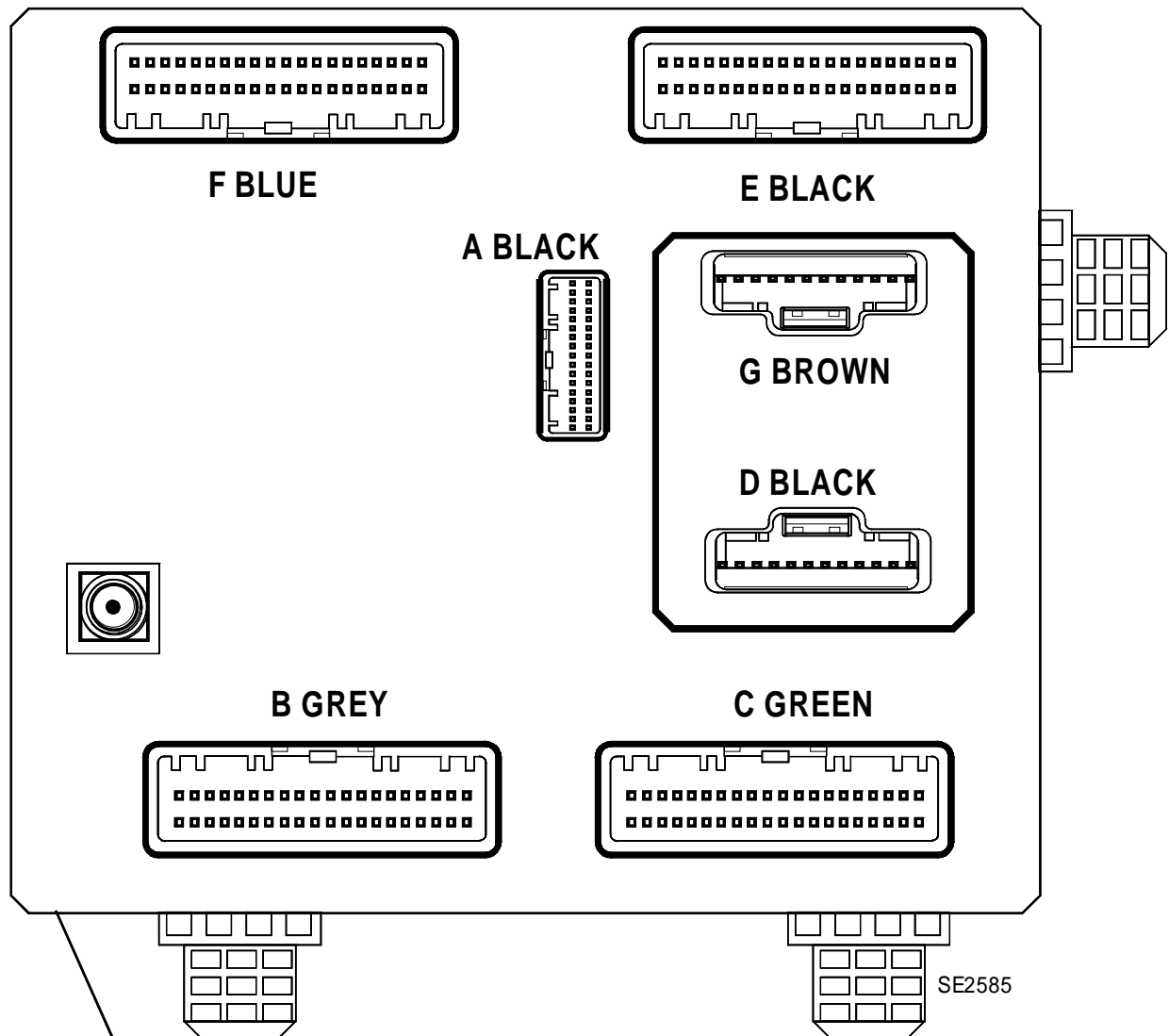
# Fuses and Relays

## PASSENGER COMPARTMENT CENTRAL UNIT (645) - CONNECTORS

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### Location

This unit is located in the passenger compartment, in the lower left-hand section of the dashboard.





# Fuses and Relays

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Allocation (according to equipment level)

A (24-track connector) BLACK

Track	Connection	Description
1	--	not used
2	--	not used
3	--	not used
4	80A	Bonnet switch signal
5	86D	clutch disengaged + signal
6	65A	Brake lights + control
7	--	not used
8	5A	brake pedal switch + signal
9	26X	clutch - signal
10	26BV	UCH line protection signal / protection and switching unit
11	67A	Horn + control <b>on keyless vehicle version</b>
12	--	not used
13	--	not used
14	64D	right-hand direction indicator control
15	64C	left-hand direction indicator control
16	--	not used
17	--	not used
18	--	not used
19	CANH	CAN H fault finding signal
20	CANL	CAN L fault finding signal
21	173B	Low speed front fault tolerant (LSFT) CAN L signal
22	173A	Low speed front fault tolerant (LSFT) CAN H signal
23	--	not used
24	APCB	Protected + after ignition feed/column lock normally closed contact fuse <b>on keyless vehicle version</b>

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Allocation (according to equipment level)

B (40-track connector) GREY

Track	Connection	Description
1	14S	rain sensor serial line signal
2	26BC	Card location LED control <b>on keyless vehicle version</b>
3	26B	Card presence + signal <b>on keyless vehicle version</b>
4	26BK	- card reader <b>on keyless vehicle version</b> - transponder ring <b>on vehicle with key version</b>
5	26BH	+ card reader <b>on keyless vehicle version</b> + transponder ring <b>on vehicle with key version</b>
6	26BG	card reader/UCH data signal <b>on keyless vehicle version</b> transponder ring data signal <b>on vehicle with key version</b>
7	26BD	card reader/UCH synchronisation signal <b>on keyless vehicle version</b> transponder ring clock signal <b>on vehicle with key version</b>
8	26N	engine start/stop + signal <b>on keyless vehicle version</b>
9	19F	+ dimmer switch
10	38LP	Air conditioning on/off control <b>on version with manual air conditioning</b>
11	38LQ	Fan assembly speed 0 signal <b>on version with manual air conditioning</b>
12	--	not used
13	--	not used
14	141Q	column-mounted information display line 6 signal
15	141H	column-mounted information display line 5 signal
16	141G	column-mounted information display line 4 signal
17	141D	column-mounted information display line 3 signal
18	141C	column-mounted information display line 2 signal
19	141B	column-mounted information display line 1 signal
20	64Q	central flasher unit timer - control

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Allocation (according to equipment level)

B (40-track connector) GREY

Track	Connection	Description
21	137G	CAN L signal
22	26BA	<b>keyless vehicle</b> steering column lock CAN L signal
23	26AZ	<b>keyless vehicle</b> steering column lock CAN H signal
24	137H	CAN H signal
25	173G	Low speed dashboard fault tolerant CAN L signal
26	173E	Low speed dashboard fault tolerant CAN H signal
27	--	not used
28	80CD	Starter – signal <b>on vehicle with key version</b>
29	80CC	After ignition – signal <b>on vehicle with key version</b>
30	64F	hazard warning lights indicator light + control
31	26P	Door handle infrared + sensor <b>on keyless vehicle version</b>
32	26T	driver's door handle infrared sensor signal <b>on keyless vehicle version</b>
33	26Q	passenger side door handle infrared sensor signal <b>on keyless vehicle version</b>
34	80CB	Accessory – signal <b>on vehicle with key version</b>
35	141R	column-mounted information display control column 6 signal
36	141P	column-mounted information display control column 5 signal
37	141N	column-mounted information display control column 4 signal
38	141M	column-mounted information display control column 3 signal
39	141L	column-mounted information display control column 2 signal
40	141K	column-mounted information display control column 1 signal

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Allocation (according to equipment level)

C (40-track connector) GREEN

Track	Connection	Description
1	64C	left-hand direction indicator control
2	26I	+ steering column lock <b>on keyless vehicle version</b>
3	26CQ	Front right-hand door external aerial signal B <b>on keyless vehicle version</b>
4	26CP	Front right-hand door external aerial signal A <b>on keyless vehicle version</b>
5	26CL	Front left-hand door external aerial signal A <b>on keyless vehicle version</b>
6	26CM	Front left-hand door external aerial signal B <b>on keyless vehicle version</b>
7	26AT	Internal aerial 1 signal 1 <b>on keyless vehicle version</b>
8	26AU	Front internal aerial signal 2 <b>on keyless vehicle version</b>
9	13C	courtesy light - control
10	--	not used
11	AP44	Electric power-assisted steering ECU fuse protected + after ignition feed
12	87G	passenger position 1 door open switch - signal
13	20AW	one-touch door locking/unlocking control
14	26AP	Driver's side doors switch/locking signal <b>on keyless vehicle version</b>
15	67G	electric control unit reactivation > horn signal
16	87H	driver's position 1 door open switch - signal
17	--	not used
18	--	not used
19	21Z	one-touch electric window LIN (local interconnect network) signal
20	67D	horn relay control

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Allocation (according to equipment level)

C (40-track connector) GREEN

Track	Connection	Description
21	64D	right-hand direction indicator control
22	15A	Heated rear screen indicator light control
23	26M	engine running indicator light control <b>on keyless vehicle version</b>
24	20M	door locking LED
25	38ES	Air conditioning indicator light control
26	26J	Hall effect safety sensor - control (steering column electric lock) <b>on keyless vehicle version</b>
27	15B	Heated rear screen + control
28	24A	Rear screen washer pump + control feed
29	16A	windscreen washer pump + control
30	--	Not in use
31	--	Not in use
32	38MU	Engine running relay control 2 <b>on keyless vehicle version</b>
33	134A or S2	timed load shed + battery relay control <b>on keyless vehicle version</b> or accessories relay control <b>on vehicle with key version</b>
34	134B	timed non-load shed + battery relay control
35	15M	heated rear screen relay - control
36	--	not used
37	--	not used
38	--	not used
39	--	not used
40	--	not used

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Allocation (according to equipment level)

D (12-track connector) BLACK

Track	Connection	Description
1	BPA7	brake lights protected + battery
2	20D	central door locking closing + control
3	BP3	electric central door locking fuse protected + battery
4	20BD	front/rear passenger door opening motor control
5	BP19	protected + battery > flasher unit timer
6	--	not used
7	BP25	rear screen wiper protected + battery
8	13AY	rear courtesy light control
9	--	not used
10	BP77	protected + battery feed > passenger compartment ECU feed
11	MBL	passenger compartment control unit electrical earth 1
12	MBL	passenger compartment control unit electrical earth 1

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Allocation (according to equipment level)

E ( 40-track connector) BLACK

Track	Connection	Description
1	--	not used
2	--	not used
3	--	not used
4	21Z	One-touch electric window signal
5	--	not used
6	--	not used
7	173M	Low speed rear fault tolerant CAN L signal
8	173L	Low speed rear fault tolerant CAN H signal
9	--	not used
10	--	not used
11	20S	tailgate motor opening authorised supply
12	--	not used
13	--	not used
14	20DA	Luggage compartment opening internal control
15	--	not used
16	--	not used
17	20G	Tailgate motor opening control
18	--	not used
19	18A	luggage compartment lighting - control
20	65P	high level brake light control

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Allocation (according to equipment level)

E ( 40-track connector) BLACK

Track	Connection	Description
21	87A	left-hand rear position 1 switch - signal
22	--	not used
23	--	not used
24	--	not used
25	87B	Right-hand rear position 1 switch - signal
26	87T	rear luggage compartment lid position 1 switch signal
27	--	not used
28	--	not used
29	20U	Rear left-hand door deadlocking signal
30	20V	Rear right-hand door deadlocking signal
31	80AJ	Alarm switch
32	--	not used
33	--	not used
34	--	not used
35	--	not used
36	--	not used
37	--	not used
38	--	not used
39	65L	right-hand brake light control
40	65M	left-hand brake light control



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Allocation (according to equipment level)

F (40-track connector) BLUE

Track	Connection	Description
1	26AX	<b>keyless vehicle</b> internal aerial 3 signal 1
2	26AY	<b>keyless vehicle</b> centre internal aerial signal 2
3	26AV	<b>keyless vehicle</b> internal aerial 2 signal 1
4	26AW	<b>keyless vehicle</b> internal aerial 2 signal 2
5	--	not used
6	--	not used
7	--	not used
8	--	not used
9	26AM	Luggage compartment lid external aerial signal A <b>on keyless vehicle version</b>
10	26AN	Luggage compartment lid external aerial signal 2 <b>on keyless vehicle version</b>
11	--	not used
12	--	not used
13	--	not used
14	26P	+ door handle infrared sensor <b>on keyless vehicle version</b>
15	--	not used
16	--	not used
17	--	not used
18	--	not used
19	--	not used
20	--	not used

# Fuses and Relays

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Allocation (according to equipment level)

F (40-track connector) BLUE

Track	Connection	Description
21	26S	driver's rear door handle infrared sensor signal <b>on keyless vehicle version</b>
22	26R	rear right-hand door handle infrared sensor signal <b>on keyless vehicle version</b>
23	--	not used
24	--	not used
25	--	not used
26	--	not used
27	--	not used
28	--	not used
29	--	not used
30	--	not used
31	--	not used
32	--	not used
33	--	not used
34	--	not used
35	--	not used
36	--	not used
37	--	not used
38	--	not used
39	--	not used
40	--	not used

# Fuses and Relays

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Allocation (according to equipment level)

G (12-track connector) BROWN

Track	Connection	Description
1	9P	Protected + rear fog lights control feed
2	--	not used
3	--	not used
4	--	not used
5	20AR	Deadlocking motor control
6	--	not used
7	--	not used
8	20BD	front/rear passenger door opening motor control
9	20D	central door locking closing + control
10	64D	right-hand direction indicator control
11	64C	left-hand direction indicator control
12	NAA	passenger compartment control unit electrical earth 1

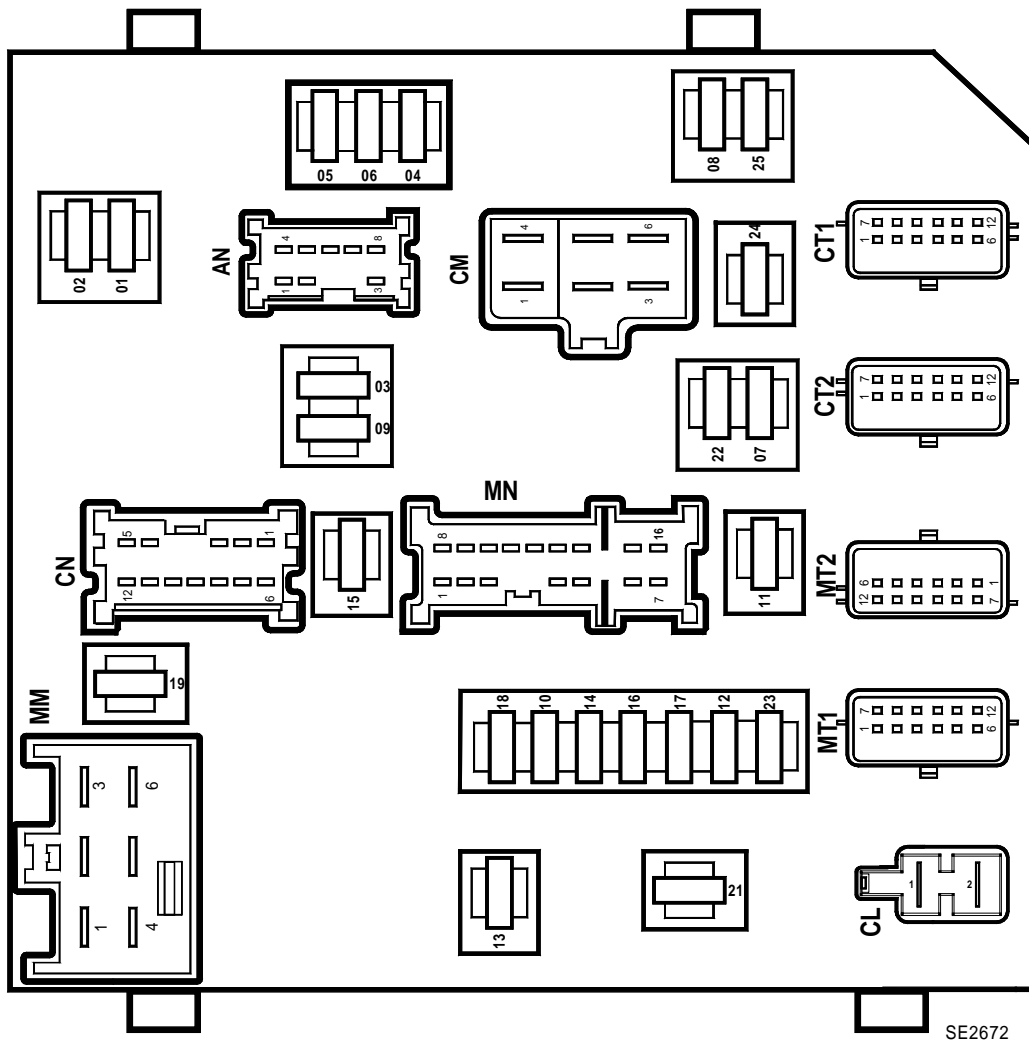
# Fuses and Relays

## PROTECTION AND SWITCHING UNIT (1337) - FUSES

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### Location

This unit is located in the engine interconnection unit (in the engine compartment).



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Allocation of fuses (depending on equipment level)

No.	Amps	Connector	Connection	Description
1	10A	AN track 1	LPDA	<b>Fuse:</b> right-hand side light (226)
		CN track 5	LPD	<b>Fuse:</b> first row cigarette lighter (101) – rear right-hand electric window control (130) - rear left-hand electric window control (131) - passenger electric window control (133) - right-hand number plate light (166) – left-hand number plate light (167) – rear right-hand side light (172) - radio (261) – speed limiter and cruise control on/off switch (1081) – ESP on/off button (1106) – headlight adjustment rheostat switch (1390) – central door locking/hazard warning lights switch (1391) – parking distance control switch (1440) - automatic gearbox selector light (303) – air conditioning control panel (319) - right-hand side light (226) - left-hand side light (227)
2	10A	AN track 5	Rear left-hand light connection	<b>Fuse:</b> left-hand side light (227)
		CN track 12	LPG	<b>Fuse:</b> rear left-hand side light (173)
3	15A	CN track 11	39H	<b>Fuse:</b> headlight washer pump (219)
		CN track 07	39G	<b>Fuse:</b> headlight washer pump (219)
4	20A	AN track 2	8E	<b>Fuse:</b> front left-hand fog light (177)
		AN track 3	8F	<b>Fuse:</b> front right-hand fog light (176)
5	10A	AN track 7	RPG	<b>Fuse:</b> left-hand headlight (227)
6	10A	AN track 8	RPD	<b>Fuse:</b> right-hand headlight (226)

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Allocation of fuses (depending on equipment level)

No.	Amps	Connector	Connection	Description
7	15A	CM track 1	AP43	<b>Fuse:</b> diagnostic socket (225) - shift pattern control (129) - parking distance control electric control unit (1222) – heated rear screen relay control (235) on fuse and relay board (260) – manual air conditioning control panel (319) - rear view mirror (1340) – cruise control and speed limiter on/off control (1081) – left-hand headlight adjustment motor (537) – right-hand headlight adjustment motor (538) – discharge bulb electric control unit (989) - anti-theft tracker unit (2186)
8	30A	CM track 2	BP14	<b>Fuse:</b> anti-lock braking unit/electronic stability program electric control unit (1094)
9	30A	CN track 9	14K	<b>Fuse:</b> windscreen wiper motor (212)
		CN track 4	14L	<b>Fuse:</b> windscreen wiper motor (212)
10	10A	CN track 8	AP25	<b>Fuse:</b> airbag/pretensioner electric control unit (756) – electric steering column lock (1088) <b>on keyless vehicle version</b>
11	--	MN track 6	--	<b>Fuse:</b> not used
12	7.5A	MN track 13	AP4	<b>Fuse:</b> gearbox electric control unit (119) – gearbox output speed sensor (1140) - gearbox output primary speed sensor (1724) - multifunction switch (485)

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Allocation of fuses (depending on equipment level)

No.	Amps	Connector	Connection	Description
13	25A	CN track 6	3FB	<b>Fuse</b> injection ECU (120)
		MN track 1	3FB1	<b>Fuse</b> <b>On K4M engine:</b> injection electric control unit (120) – variable camshaft (1013) <b>for K4M838 engine</b> <b>On M4R engine:</b> variable inlet camshaft (1603) – injectors (193-194-195-196) <b>On F4R engine:</b> injection electric control unit (120) - injectors (193-194-195-196)
		MN track 2	3FB2	<b>Fuse</b> <b>On K4M engine:</b> petrol vapour absorber (371) - injectors (193-194-195-196) – <b>for K4M864 engine:</b> additional fuel pump relay control (1639) on engine fuse and relay box (597) - motorised throttle valve (1076) <b>On M4R engine:</b> injection electric control unit (120) - petrol vapour absorber (371) – <b>for M4R752 and M4R753 engines:</b> additional fuel pump relay control (1639) on fuse and relay board (597) - motorised throttle valve (1076) <b>On F4R engine:</b> turbocharger bearing coolant pump (369) - petrol vapour absorber (371) - wastegate solenoid valve (436) - oil vapour recirculation hose reheater (979)
14	15A	MN track 3	3FB3	<b>Fuse</b> <b>On K4M engine:</b> downstream oxygen sensor (242) - upstream oxygen sensor (887) – camshaft inlet sensor (1265) <b>for K4M838 engine</b> <b>On M4R engine:</b> downstream oxygen sensor (242) - upstream oxygen sensor (887) <b>On F4R engine:</b> camshaft inlet sensor (1265) - variable inlet camshaft (1603) - downstream oxygen sensor (242) - upstream oxygen sensor (887)

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Allocation of fuses (depending on equipment level)

No.	Amps	Connector	Connection	Description
15	20A	MN track 8	BP42	<b>Fuse:</b> gearbox electric control unit (119)
16	5A	CN track 3	AP44	<b>Fuse:</b> brake light switch (160) – passenger compartment electric control unit (645) – electric power-assisted steering system (1232)
17	10A	MN track 14	AP11	<b>Fuse:</b> manual gearbox TDC sensor and reversing lights (1109) – reversing light (1285-1284) via protection and switching unit (1337) and via relay (602) on fuse and relay board (597) <b>on automatic gearbox version</b>
18	15A	CN track 10	APCB	<b>Fuse:</b> steering column lock (1088) via passenger compartment electric control unit (645) <b>on keyless vehicle version</b>
19	25A	MM track 3	1A	<b>Fuse:</b> starter (163)
20	--	--	--	<b>Fuse:</b> not used
21	20A	CN track 1	3N	<b>Fuse</b> fuel gauge and pump (833)
		MN track 9	3BS	<b>Fuse</b> <b>On M4R engine:</b> cylinder 1 pencil coil (1077) – cylinder 2 pencil coil (1078) – cylinder 3 pencil coil (1079) – cylinder 4 pencil coil (1080) <b>On K4M and F4R engine:</b> cylinder 3 pencil coil (1079) – cylinder 4 pencil coil (1080)
		MN track 15	--	<b>Fuse:</b> not used
22	10A	MN track 10	38R	<b>Fuse:</b> air conditioning clutch (171)
23	5A	CT1 track 4	AP15	<b>Fuse</b> injection ECU (120)
24	20A	AN track 4	CPG	<b>Fuse:</b> left-hand headlight (227)
25	20A	AN track 6	CPD	<b>Fuse:</b> right-hand headlight (226)
		CM track 4	--	<b>Fuse:</b> not used
		CM track 5	--	<b>Fuse:</b> not used



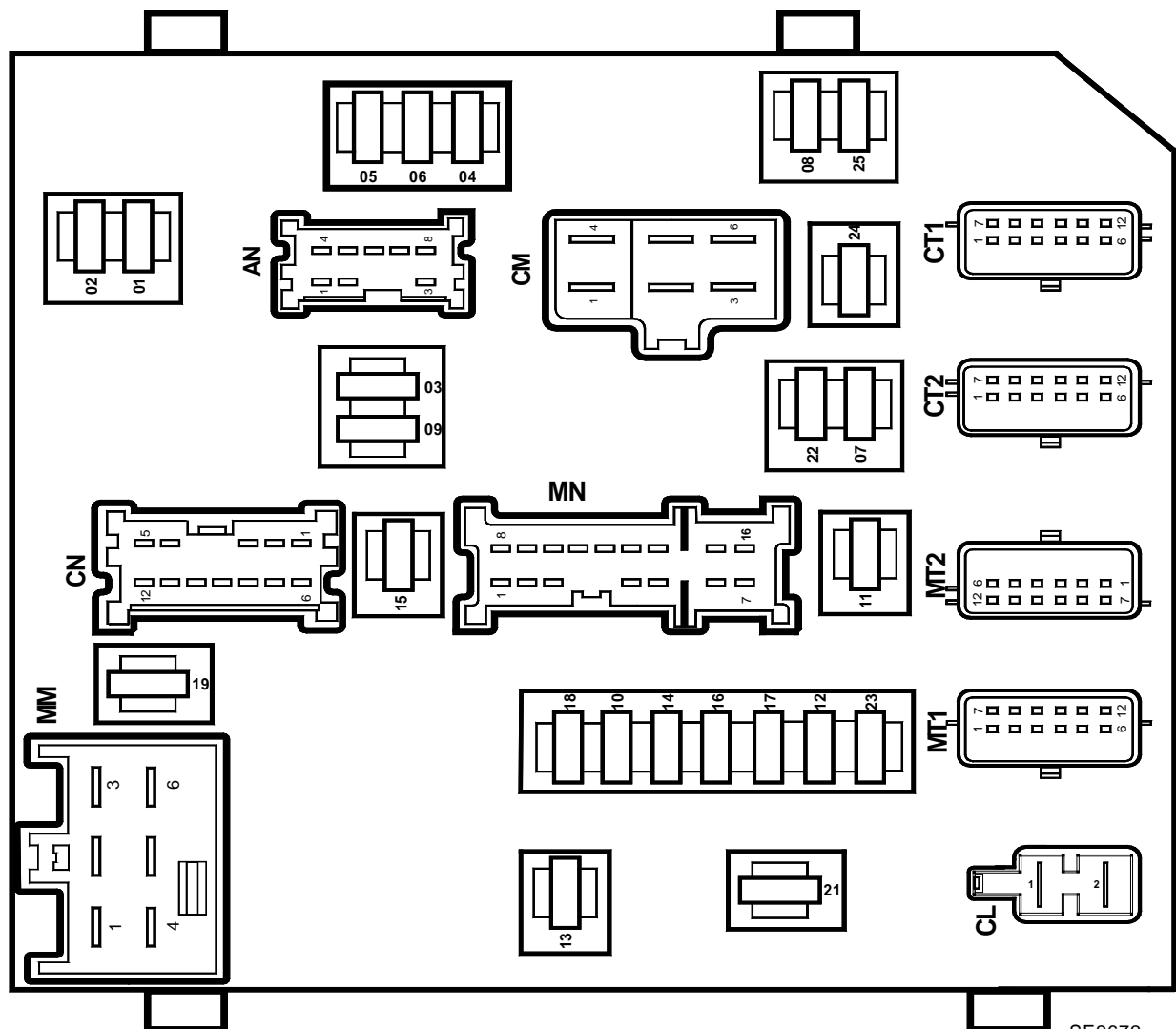
# Fuses and Relays

## PROTECTION AND SWITCHING UNIT (1337) - CONNECTORS

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Location

This unit is located in the engine interconnection unit (in the engine compartment).



SE2672

# Fuses and Relays

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Allocation (according to equipment level)

CL (2-track connector) BLACK

Track	Connection	Description
1	BP12	Protected battery > passenger compartment 2
2	BP13	Protected battery > passenger compartment 3

CM (6-track connector) BLACK

Track	Connection	Description
1	AP43	protected fuse + after ignition feed
2	BP14	Protected + battery feed > ABS
3	MBJ	Upper bulkhead cross member electronic earth
4	--	Not used
5	--	Not used
6	NUA	Protection and switching unit electrical earth 1

CN (12-track connector) BROWN

Track	Connection	Description
1	3N	+ Fuel pump
2	66H	Reversing lights/engine protection unit control
3	AP44	Electric power-assisted steering ECU fuse protected + after ignition feed
4	14L	Windscreen wiper high speed timer + control
5	LPD	Right-hand side light protected + supply
6	3FB	+ Injection supply > protective relay
7	39G	Headlight washer relay 1 + control feed
8	AP25	+ Protected after ignition airbag fuse feed
9	14K	Windscreen wiper low speed timer + control supply
10	APCB	protected + after ignition feed/ column lock normally closed contact fuse
11	39H	Headlight washer relay 2 + control feed
12	LPG	Left-hand side light protected + supply

# Fuses and Relays

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Allocation (according to equipment level)

CT1 (12-track connector) GREY

Track	Connection	Description
1	CANL	CAN L fault finding signal
2	4DN	ABS multiplex line L SIGNAL
3	4DM	ABS multiplex line H SIGNAL
4	AP15	Protected + after ignition feed/Engine functions fuse
5	32D	Oil level sensor / engine protection unit signal 1
6	32C	Oil level sensor / engine protection unit signal 2
7	3SN	Engine CAN L signal 2
8	CANH	CAN H fault finding signal
9	3SM	Engine multiplex line H signal 2
10	14M	Front wiper park position control / computer
11	--	Not used
12	--	Not used

CT2 (12-track connector) GREY

Track	Connection	Description
1	--	Not used
2	3WT	Water in diesel detection sensor signal
3	--	Not used
4	26BV	UCH line protection signal / protection and switching unit
5	--	Not used
6	--	Not used
7	--	Not used
8	--	Not used
9	--	Not used
10	--	Not used
11	MBM	Passenger compartment control unit electrical earth 2
12	--	Not used

# Fuses and Relays

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Allocation (according to equipment level)

AN (8-track connector) BROWN

Track	Connection	Description
1	LPDA	+ Protected right-hand side light
2	8E	+ Front left-hand fog light > Resistor
3	8F	+ Front right-hand fog light > Resistor
4	CPG	+ Left-hand protected dipped beam headlight feed
5	Rear left-hand light connection	+ Protected left-hand side light feed
6	CPD	+ Right-hand protected dipped beam headlight feed
7	RPG	+ Left-hand protected main beam headlight
8	RPD	+ Right-hand protected main beam headlight

# Fuses and Relays

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Allocation (according to equipment level)

MT1 (12-track connector) BLACK

Track	Connection	Description
1	2N	Alternator sequenced bit signal
2	--	Not used
3	BP1C	Protected + battery > protection and switching unit
4	--	Not used
5	3AC	Fuel pump relay coil - control on petrol engine
6	--	Not used
7	28A	Oil pressure warning light - Control
8	--	Not used
9	49Q	Engine cooling fan assembly relay - control
10	--	Not used
11	32B	Oil level sensor signal 1
12	32A	Oil level sensor signal 2

MT2 (12-track connector) BROWN

Track	Connection	Description
1	AP11	Reversing lights fuse protected + after ignition feed
2	--	Not used
3	--	Not used
4	--	Not used
5	--	Not used
6	--	Not used
7	--	Not used
8	--	Not used
9	--	Not used
10	--	Not used
11	--	Not used
12	--	Not used

# Fuses and Relays

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Allocation (according to equipment level)

MM (6-track connector) GREY

Track	Connection	Description
1	--	Not used
2	49L	Cooling fan low speed resistor + control feed
3	1A	Starter solenoid + control > relay
4	BP31	Injectors fuse protected + battery feed > Fuel pump
5	--	Not used
6	BP7A	Protected + battery > motor-driven fan assembly low-speed fuse

MN (16-track connector) WHITE

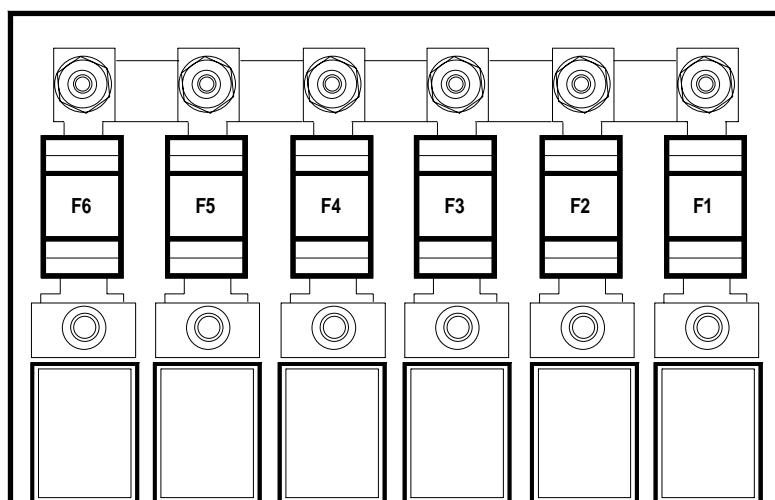
Track	Connection	Description
1	3FB1	+ Injection > Protective relay
2	3FB2	+ Injection > Protective relay
3	3FB3	+ Injection > Protective relay
4	--	Not used
5	3AA	Injection authorisation relay coil - control feed
6	--	Not used
7	--	Not used
8	BP42	Automatic gearbox ECU fuse protected + battery feed
9	3BS	Ignition coil control
10	38R	Air conditioning clutch + control feed
11	66G	Reversing lights switch/engine protection unit control
12	26Z	Automatic gearbox neutral + signal
13	AP4	+ Protected automatic gearbox fuse after ignition feed
14	AP11	Reversing lights fuse protected + after ignition feed
15	--	Not used
16	--	Not used

# Fuses and Relays

## POWER FEED FUSE BOARD (777)

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Location: This unit is located behind the battery.



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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F1	--	--	Not in use
F2	80A	BP11	<b>Fuse:</b> supply to fuses F37 and F38 on passenger compartment fuse and relay box (260) - supply to fuses F3, F4, F5, F6, F8, F11 and F40 on passenger compartment fuse and relay box (260) via relay (1760) on passenger compartment fuse and relay box (260)
F3	80A	BP23	<b>Fuse:</b> supply to fuses F9, F12, F41 and F42 on passenger compartment fuse and relay box (260)
F4	80A	BP12	<b>Fuse:</b> protection and switching unit (1337) - supply to fuses F23 and F24 on passenger compartment fuse and relay box (260) - supply to fuses F1, F2, F14, F15, F16, F17, F18, F19, F20, F21 and F22 on passenger compartment fuse and relay box (260) via relay (1762) on passenger compartment fuse and relay box (260)
F5	--	--	Not in use
F6	50A	BP8	<b>Fuse:</b> ABS computer with ESP (1094)

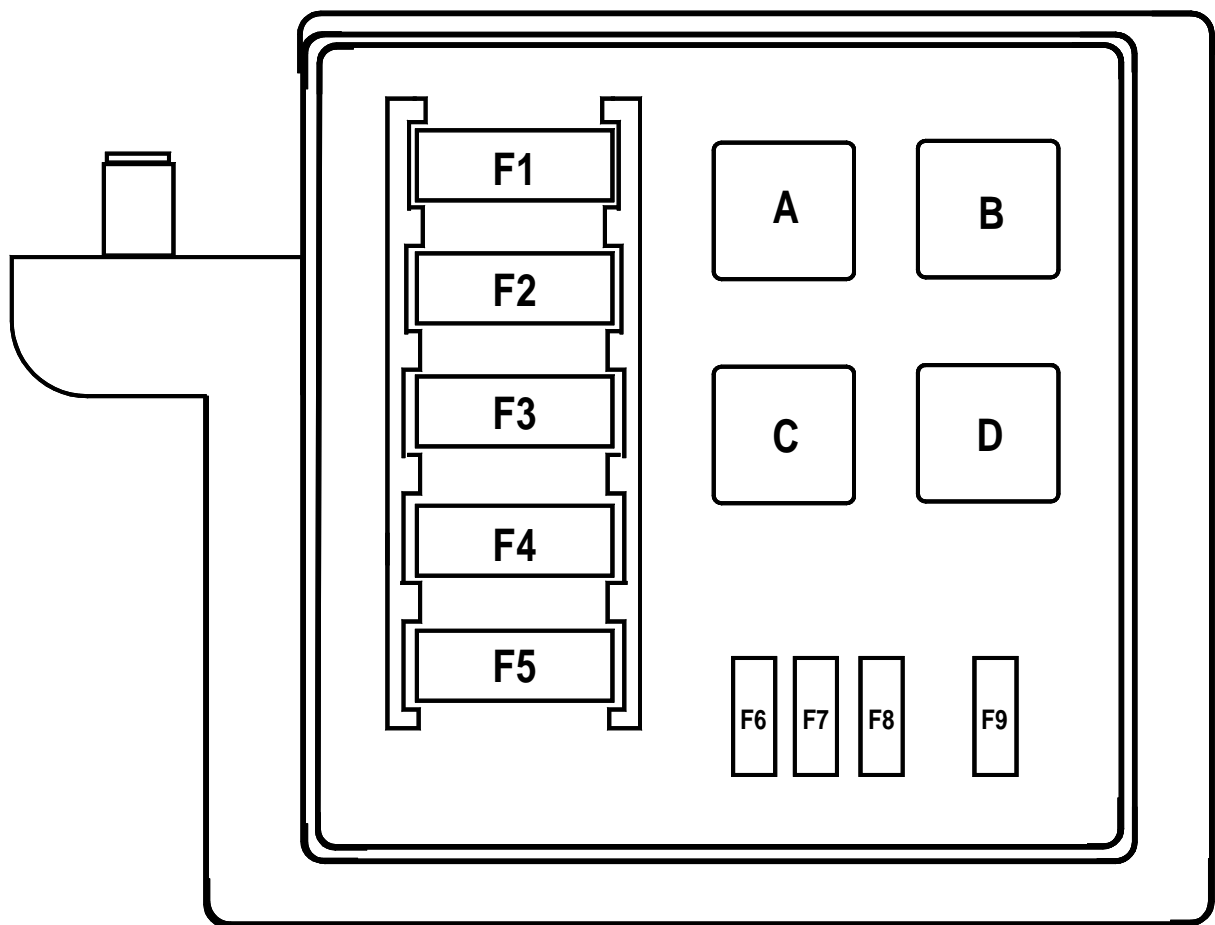
# Fuses and Relays

## ENGINE FUSE AND RELAY BOX (597)

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### Location

This unit is located in the engine interconnection unit, below the Protection and Switching Unit (1337).



SE2586



# Fuses and Relays

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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F1	--	--	Not in use
F2	--	--	Not in use
F3	--	--	Not in use
F4	--	--	Not in use
F5	60A	BP7B	<b>Fuse:</b> fan assembly (188) via high speed fan assembly relay (234)
F6	20A	BP27	<b>Fuse:</b> additional fuel pump (283) via additional fuel pump relay (1639) on engine fuse and relay box (597) <b>on K4M864, M4R752 and M4R753 engines</b>
F7	--	--	Not in use
F8	30A	BP7A	<b>Fuse:</b> fan assembly (188) through low speed fan assembly resistor (1014) via protection and switching unit (1337) - fan assembly relay control (234)
F9	--	--	Not in use

Allocation of relays (depending on equipment level)

No.	Amps	Description
A	--	Not in use
B	20A	<b>Relay:</b> additional fuel pump (1639) <b>for K4M864, M4R752 and M4R753 engines</b>
C	20A	<b>Relay:</b> reversing light (602) <b>on automatic gearbox version</b>
D	--	Not in use

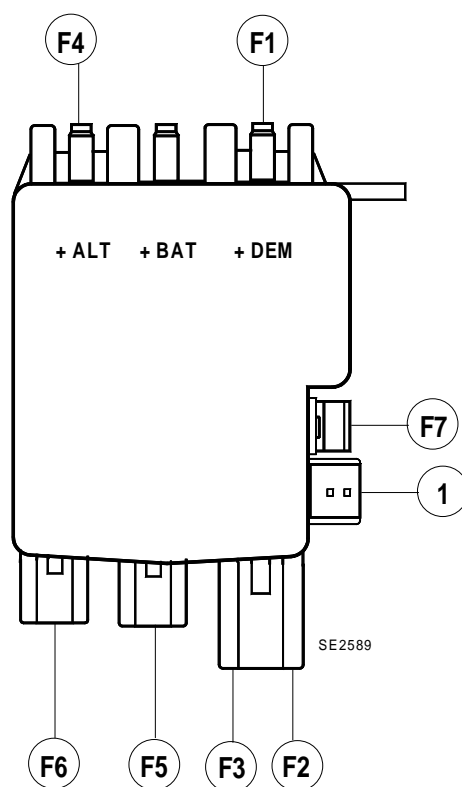
# Fuses and Relays

## BATTERY DISCONNECTION MODULE (1144) - M4R714, M4R751, M4R752 AND M4R753 ENGINES

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Location: This unit is located behind the battery.

NOTE: Only the F7 fuse from the battery disconnection module can be accessed and removed.



Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F1	300A	BPDA	<b>Fuse:</b> starting protected + battery (163)
F2	50A	BPS1	<b>Fuse:</b> supply to fuses F30, F31, F32, F33, F34, F35 and F36 on passenger compartment fuse and relay box (260)
F3	80A	BP13	<b>Fuse:</b> supply to fuses F10, F26 and F27 on passenger compartment fuse and relay box (260) - protection and switching unit (1337)
F4	300A	BPDB	<b>Fuse:</b> supply to fuses F1, F2, F3, F4, F5, F6, F8 and F9 on engine fuse and relay box (597) – supply to fuses on fuse board (777) – alternator (103)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
<b>F5</b>	80A	BP81	<b>Fuse</b> electric power-assisted steering system (1232)
<b>F6</b>	35A	BP31	<b>Fuse</b> protection and switching unit (1337)
<b>F7</b>	5A	BP1C	<b>Fuse</b> protection and switching unit (1337)

Allocation of BLACK connector (3 tracks) mark 1 on the diagram.

Track	Amps	Connection	Description
<b>1</b>	5A	BP1C	Protected + battery > protection and switching unit
<b>2</b>	--	--	Not in use
<b>3</b>	--	--	Not in use

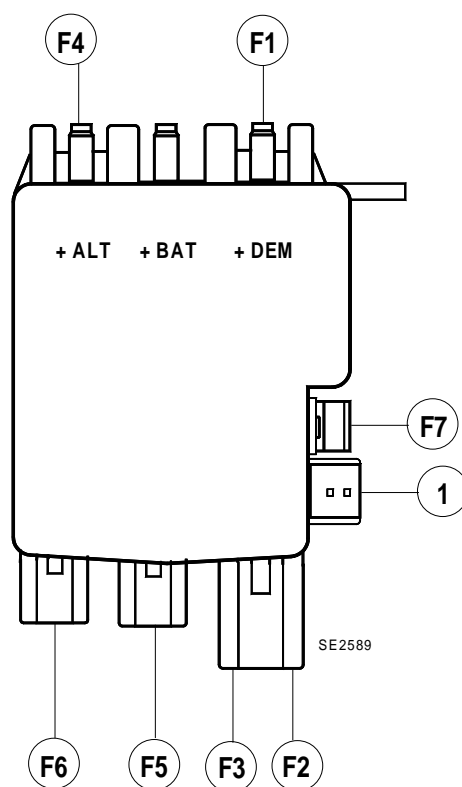
# Fuses and Relays

## BATTERY DISCONNECTION MODULE (1144) - K4M838, K4M864 AND F4R872 ENGINES

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Location: This unit is located behind the battery.

NOTE: Only the F7 fuse from the battery disconnection module can be accessed and removed.



Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F1	190A	BPDA	<b>Fuse:</b> starting protected + battery (163)
F2	50A	BPS1	<b>Fuse:</b> supply to fuses F30, F31, F32, F33, F34, F35 and F36 on passenger compartment fuse and relay box (260)
F3	80A	BP13	<b>Fuse:</b> supply to fuses F10, F26 and F27 on passenger compartment fuse and relay box (260) - protection and switching unit (1337)
F4	190A	BPDB	<b>Fuse:</b> supply to fuses F1, F2, F3, F4, F5, F6, F8 and F9 on engine fuse and relay box (597) – supply to fuses on fuse board (777) – alternator (103)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
F5	80A	BP81	<b>Fuse</b> electric power-assisted steering system (1232)
F6	35A	BP31	<b>Fuse</b> protection and switching unit (1337)
F7	5A	BP1C	<b>Fuse</b> protection and switching unit (1337)

Allocation of BLACK connector (3 tracks) mark 1 on the diagram.

Track	Amps	Connection	Description
1	5A	BP1C	Protected + battery > protection and switching unit
2	--	--	Not in use
3	--	--	Not in use

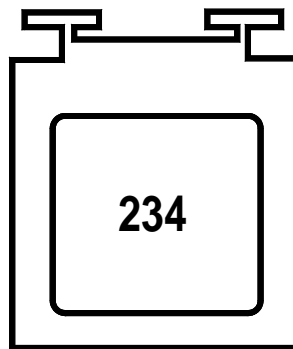
# Fuses and Relays

## FAN ASSEMBLY RELAY BOARD (234)

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### Location

This unit is located next to the fan assembly.



SE2312

Allocation of relays (depending on equipment level).

### Unit relay

No.	Amps	Description
234	70A	Relay: engine cooling fan assembly