

1999

**BMW Z3 (E36/7)
Z3 Roadster, Z3 Coupe,
M Roadster, M Coupe**

**Electrical
Troubleshooting
Manual**

Vehicles produced 9/98 thru 03/99

PN 01 00 0 009 430



ELECTRICAL TROUBLESHOOTING MANUAL

**SERIES 3 – E36/7 (Z3 Roadster, Z3 Coupe,
M Roadster, and M Coupe)**

SCHEMATICS

MODEL YEAR 1999

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SIDE IMPACT SENSOR, DRIVER'S, B78	3234.0-03



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Z3

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SPEAKER, RIGHT REAR, H45	6510.1-03
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SPEED SENSOR – ABS, RIGHT FRONT, B1	3450.1-04
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WOOFER, REAR, H500	6510.1-02
ZKE CENTRAL LOCKING (ZV)	5126.0
ZKE POWER WINDOWS (FH)	5133.0

Schematics

The schematics divide the entire vehicle electrical system into individual circuits. Interacting electrical components are shown on one common schematic.

Switches and other components are represented in such a way that their general layout and function are self-explicit. They are arranged on the sheet such that the current path can be followed from positive (top) to negative (bottom).

Important: The components and wires are not drawn to scale. For instance, a lead with a length of over 1m can be shown as a lead that is only a few cm long. To ensure clear arrangement , all connectors, lines branches and connected components from the fuses to the component and from the component to ground connection are not shown within the individual cells. If required, reference can be made to cells **0670.3 Fuse Details** and **0670.4 Ground Distribution** where all lines are illustrated with all plug connections, line branches and connected components.

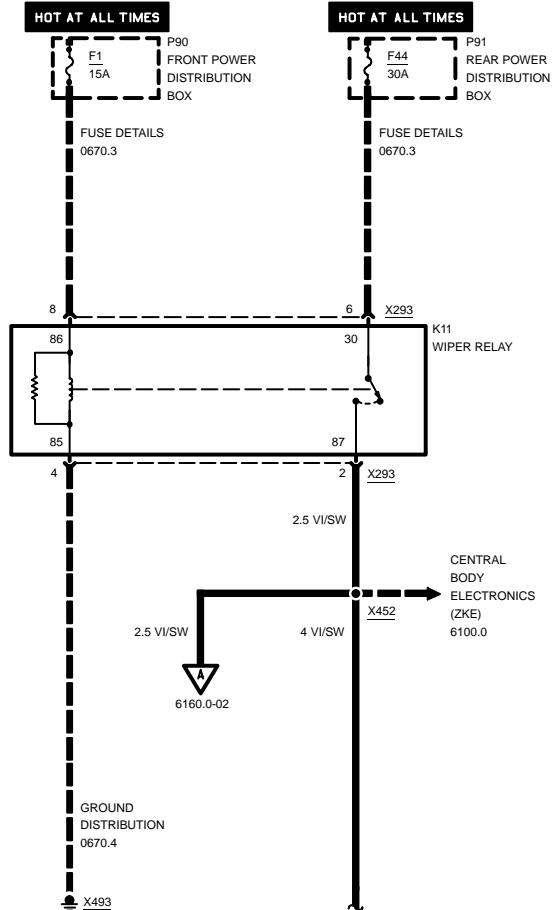
All circuit symbols used are listed and explained in cell **0140.0 Symbols**.

In cell **7000.0 Component Location Chart** all important connectors, ground points and components are listed in tabular form. It provides a precise description of the component locations in the vehicle.

In cell **7100.0 Component Location Views** the location of connectors and components which are difficult to locate are shown in line arts or illustrations. In cell **8000.0 Splice Location Views** all splices are listed in numerical order and illustrations are provided to assist in locating splices on larger harnesses. In cell **8500.0 Connector Views** diagrams of connectors with more than 2 pins are illustrated.

Example

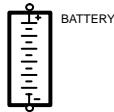
General conventions can be explained based on the following schematic example.



General Conventions

1. Switches and relays are always shown in rest position (e.g. K11).
2. A component shown in a dashed frame signifies that the component is illustrated only in part (e.g. P90 and P91).
3. A component shown in a completely drawn frame signifies that the component is illustrated in full (e.g. K11).
4. The dashed line between pin 8 and pin 6 of connector X293 indicates that both pins belong to connector X293.
5. The dashed line from fuse F1 to pin 8 of connector X293 shows the positive supply of relay K11. If required, refer to cell **0670.3 Fuse Details** at fuse F1 for the complete line progression with plug connections, line branches, wire colors and cross sections.
6. The dashed line with an arrow at splice X452 indicates that several wires lead to splice X452. All lines leading to the connection are illustrated in cell **6100.0 Central Body Electronics (ZKE)**. An interrupted line with an arrow indicates that only this one wire leads to another circuit.
7. The dashed line from pin 4 of connector X293 to ground X493 shows the ground supply for relay K11. If required, refer to cell **0670.4 Ground Distribution** at ground X493 for the complete line progression with all plug connections, line branches, wire colors, and cross sections.
8. The interrupted line from splice X452 with an **A** in the open arrow is continued on page 6160.0–02.
Termination of wire 4 VI/SW from splice X452 with a wavy line indicates that the wire is continued on the opposite page.

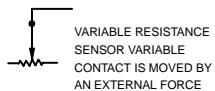
0140.0 SYMBOLS



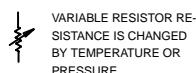
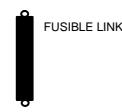
BATTERY



HEATING ELEMENT

VARIABLE RESISTANCE
SENSOR VARIABLE
CONTACT IS MOVED BY
AN EXTERNAL FORCECONTROL/POWER
ELECTRONICS

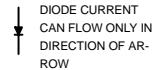
FUSE DETAILS

LOUDSPEAKER OR
HORNVARIABLE RESISTOR RE-
SISTANCE IS CHANGED
BY TEMPERATURE OR
PRESSURE

FUSIBLE LINK



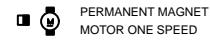
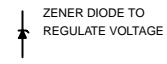
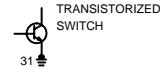
LIGHT

DIODE CURRENT
CAN FLOW ONLY IN
DIRECTION OF AR-
ROW

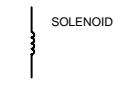
RADIO



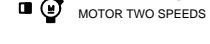
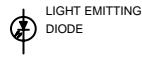
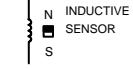
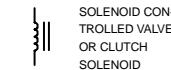
CIRCUIT BREAKER

PERMANENT MAGNET
MOTOR ONE SPEEDZENER DIODE TO
REGULATE VOLTAGETRANSISTORIZED
SWITCH
31

THERMO SWITCH



SOLENOID

PERMANENT MAGNET
MOTOR TWO SPEEDSLIGHT EMITTING
DIODEINDUCTIVE
SENSORSOLENOID CON-
TROLLED VALVE
OR CLUTCH
SOLENOID

KNOCK SENSOR

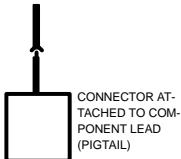


OXYGEN SENSOR

VEHICLE SPEED
SENSOR

SYMBOLS

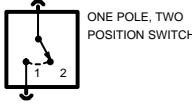
ENTIRE COMPONENT SHOWN



CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)



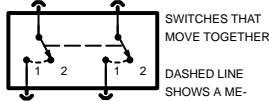
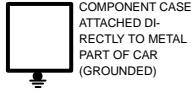
PART OF COMPONENT SHOWN



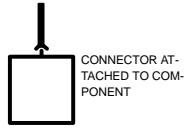
ONE POLE, TWO POSITION SWITCH



COMPONENT WITH SCREW TERMINALS

SWITCHES THAT MOVE TOGETHER
DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

COMPONENT CASE ATTACHED DIRECTLY TO METAL PART OF CAR (GROUNDED)

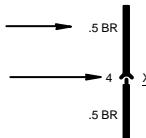


CONNECTOR ATTACHED TO COMPONENT

WIRE COLOR	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE
TR	TRANSPARENT

WIRE INSULATION IS ONE COLOR

PIN NUMBER



.5 BR

4

X270

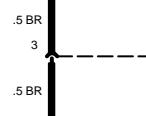
CONNECTOR REFERENCE NUMBER FOR COMPONENT LOCATION CHART

WIRE INSULATION IS ONE COLOR WITH ANOTHER COLOR STRIPE (GREEN WITH WHITE)



.75 GN/WS

A WAVY LINE MEANS WIRE IS CONTINUED



.5 BR

3

.5 BR

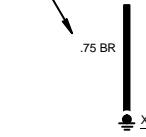
4

X270

TWO CONNECTIONS (PINS) IN THE SAME CONNECTOR

DASHED LINE INDICATES TERMINALS OF THE SAME CONNECTOR

WIRE SIZE IN MM SQUARED



.75 BR

X165

WIRE ATTACHED TO METAL PART OF CAR (GROUNDED)

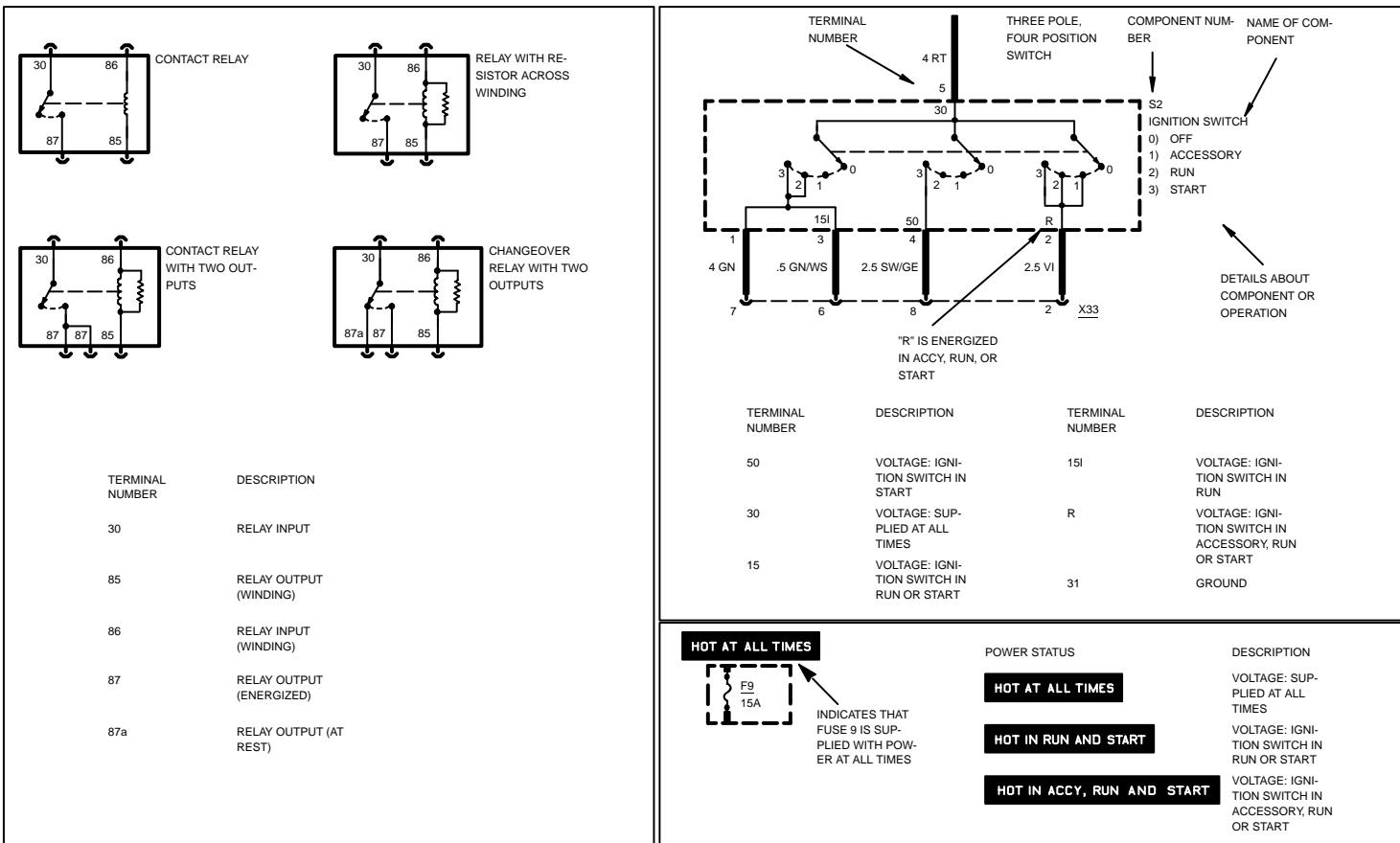
GROUND NUMBER REFERENCED FOR REFERENCE ON COMPONENT LOCATION CHART

BMW
3
Z3

03/00

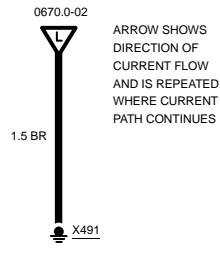
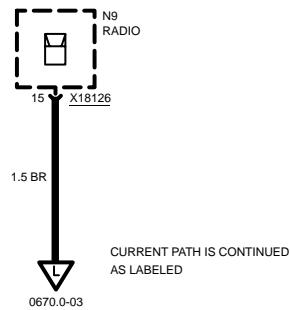
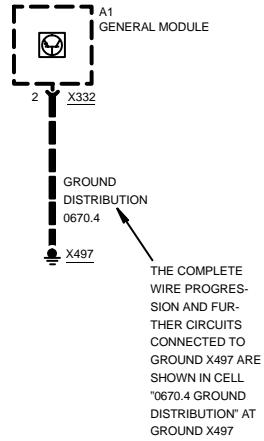
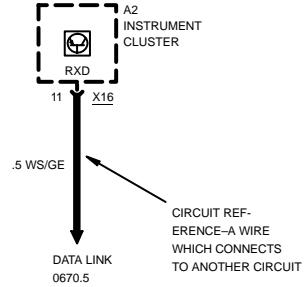
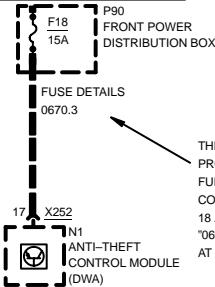
0140.0-02

1999



BMW
3
Z3

HOT IN ACCY, RUN AND START

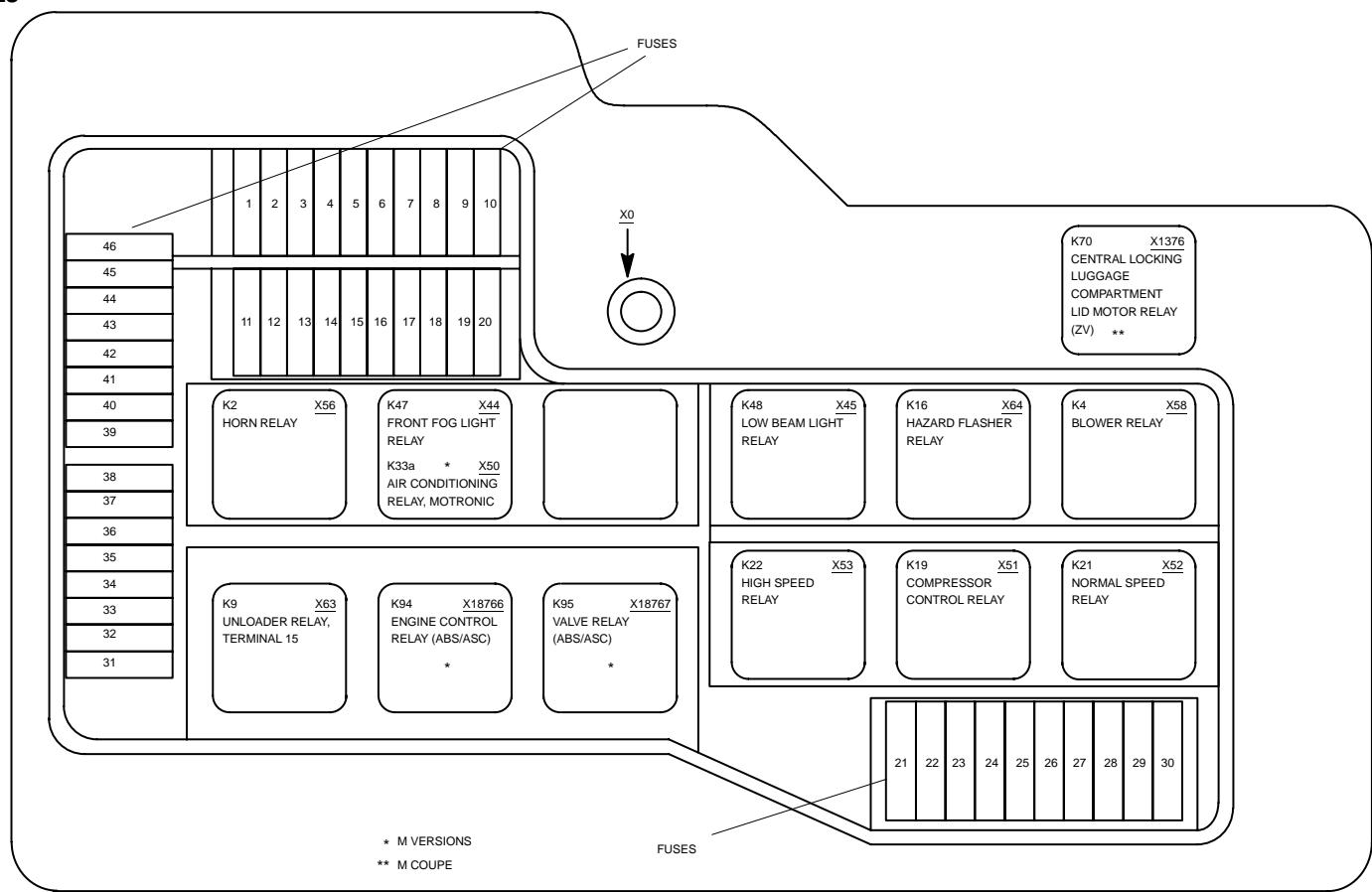


BMW 3 Z3 FRONT POWER DISTRIBUTION BOX

03/00

0670.0-00

1999



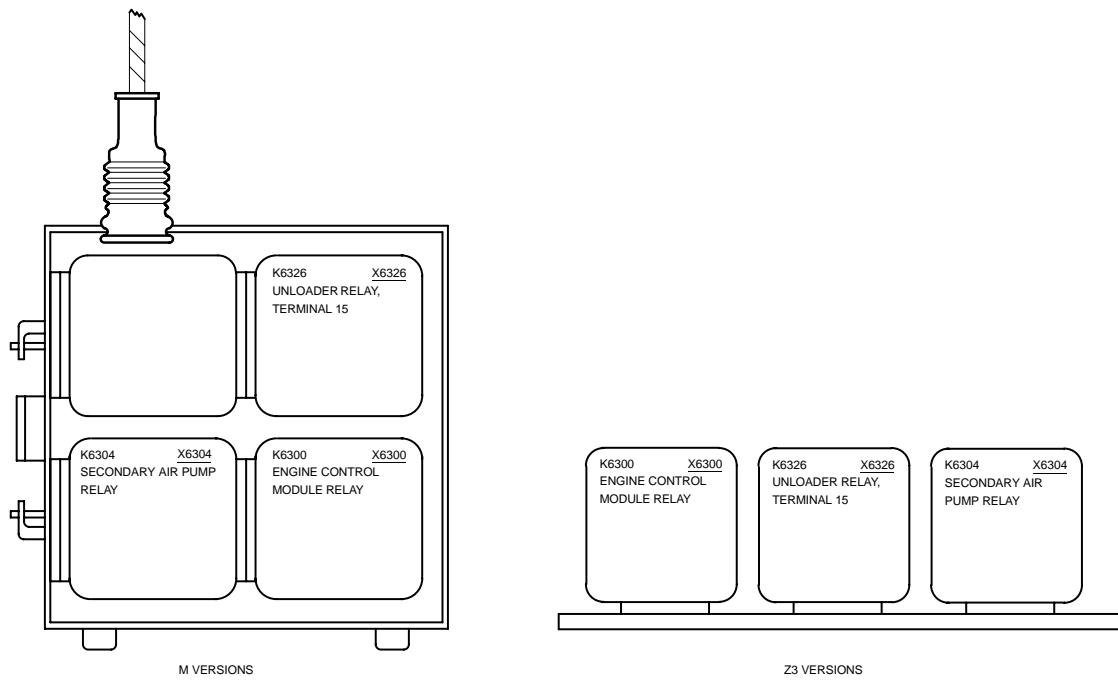
BMW
3
Z3

POWER DISTRIBUTION CHART
IN E-BOX

03/00

0670.0-01

1999



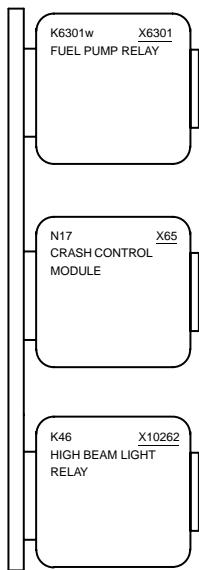
POWER DISTRIBUTION CHART

RELAY PANEL UNDER LH SIDE OF DASHBOARD

03/00

0670.0-02

1999



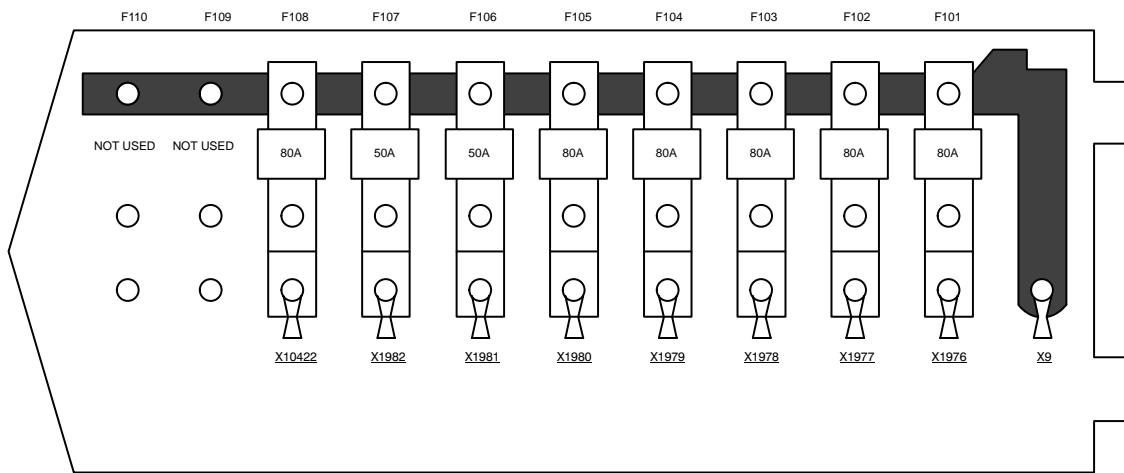
BMW
3
Z3 **POWER DISTRIBUTION CHART**
B+ JUNCTION POINT UNDER LH SIDE OF DASHBOARD

Z3 VERSIONS

03/00

0670.0-03

1999



BMW 0670.1 FUSE CHART

FUSES 1 TO 29

Z3

* M VERSIONS

FUSE NUMBER

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	30A *15A	10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	7.5A *5A	30A	10A	5A		15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	7.5A	
1210.17 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)													●			●	●												
1210.25 ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)													●			●	●									●	●		
1230.0 CHARGING SYSTEM																										●	●		
1240.0 START																												●	
1290.0 E-BOX FAN																											●		
2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)																										●	●		
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																										●	●		
3450.1 SLIP CONTROL (ABS/ASC)													●		●				●							●			
3614.0 TIRE INFLATION SYSTEM																													
5116.0 POWER MIRRORS																										●			
5126.0 ZKE CENTRAL LOCKING (ZV)												●																	
5133.0 ZKE POWER WINDOWS (FH)																	●												
5200.0 POWER SEATS												●								●									
5203.0 HEATED SEATS												●																	
5410.5 POWER TILT SUNROOF																										●			
5430.2 ELECTRO-HYDRAULIC CONVERTIBLE TOP	●																												
6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)		●																●											
6133.0 HORN													●																
6135.1 DRIVE-AWAY PROTECTION (EWS III)																											●		
6160.1 WIPER/WASHER MODULE (WWM)	●		●																										
6167.1 HEADLIGHT WASHER (SRA)			●																										

BMW
3 **FUSE CHART**
Z3

* M VERSIONS

		FUSE NUMBER																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
		30A	*15A	10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	10A	5A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	7.5A				
6169.0 WINDSHIELD WASHER JET HEATERS																										●							
6211.0 INSTRUMENT CLUSTER						●		●																●		●	●						
6213.3 DIGITAL CLOCK																																	
6300.0 LIGHT SWITCH DETAILS																									●	●	●						
6312.0 HEADLIGHTS/FOG LIGHTS																●	●		●					●	●	●			●				
6313.0 TURN/HAZARD LIGHTS																									●								
6314.0 PARK/TAIL/UNDERHOOD LIGHTS																																	
6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS																																	
6322.0 BACK UP LIGHTS								●																					●				
6325.0 BRAKE LIGHTS																	●																
6330.3 INTERIOR LIGHTS								●																									
6332.0 INTERIOR ACCESSORIES																																	
6350.0 CRASH CONTROL MODULE																●	●													●			
6424.0 REAR WINDOW DEFOGGER									●																●								
6450.6 INTEGRATED HEATING- AND CLIMATE CONTROL																		●			●			●									
6510.1 RADIO/HIFI																●																	
6561.0 CELLULAR TELEPHONE (PROVISIONS)																																	
6571.0 CRUISE CONTROL (TEMPOMAT)																		●														●	
6575.2 ANTI-THEFT SYSTEM (ALPINE)																																	
6581.3 BOARD COMPUTER (BC – LOW)																																	

BMW
3
Z3

FUSE CHART

FUSES 30 TO 205

	FUSE NUMBER																					202	203	204	205	
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49			30A	20A	30A	30A
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A	40A	50A			30A	20A	30A	30A	
1210.17 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)										●																
1210.25 ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)										●							●					●	●	●	●	
1230.0 CHARGING SYSTEM																										
1240.0 START	●																●									
1290.0 E-BOX FAN																										
2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)																	●						●			
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)													●	●												
3450.1 SLIP CONTROL (ABS/ASC)										●						●		●								
3614.0 TIRE INFLATION SYSTEM																										
5116.0 POWER MIRRORS																										
5126.0 ZKE CENTRAL LOCKING (ZV)									●							●										
5133.0 ZKE POWER WINDOWS (FH)																										
5200.0 POWER SEATS																										
5203.0 HEATED SEATS																										
5410.5 POWER TILT SUNROOF																										
5430.2 ELECTRO-HYDRAULIC CONVERTIBLE TOP										●	●							●								
6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)										●	●					●										
6133.0 HORN																	●									
6135.1 DRIVE-AWAY PROTECTION (EWS III)	●																	●								
6160.1 WIPER/WASHER MODULE (WWM)											●	●					●									
6167.1 HEADLIGHT WASHER (SRA)											●							●								

03/00

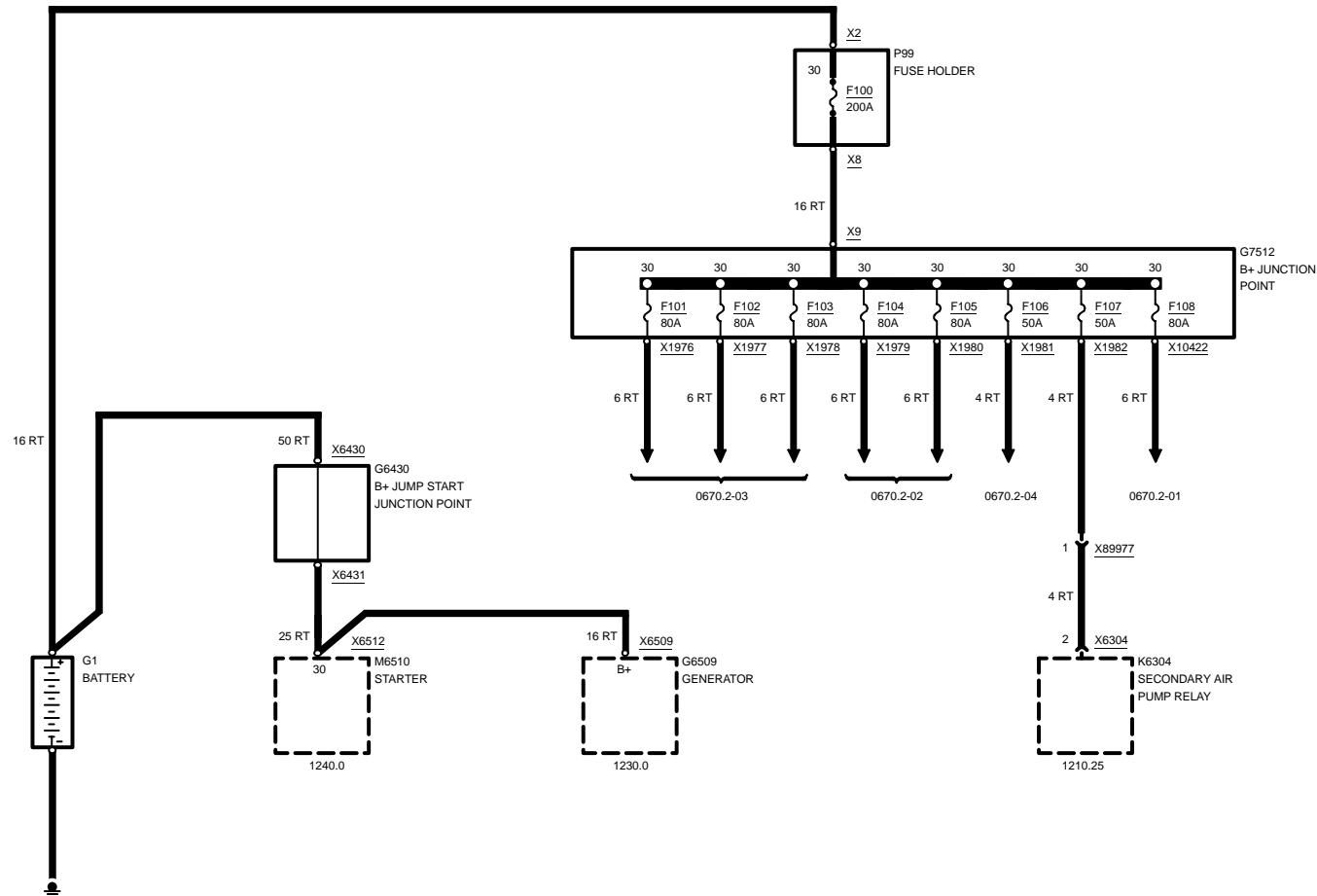
0670.1-02

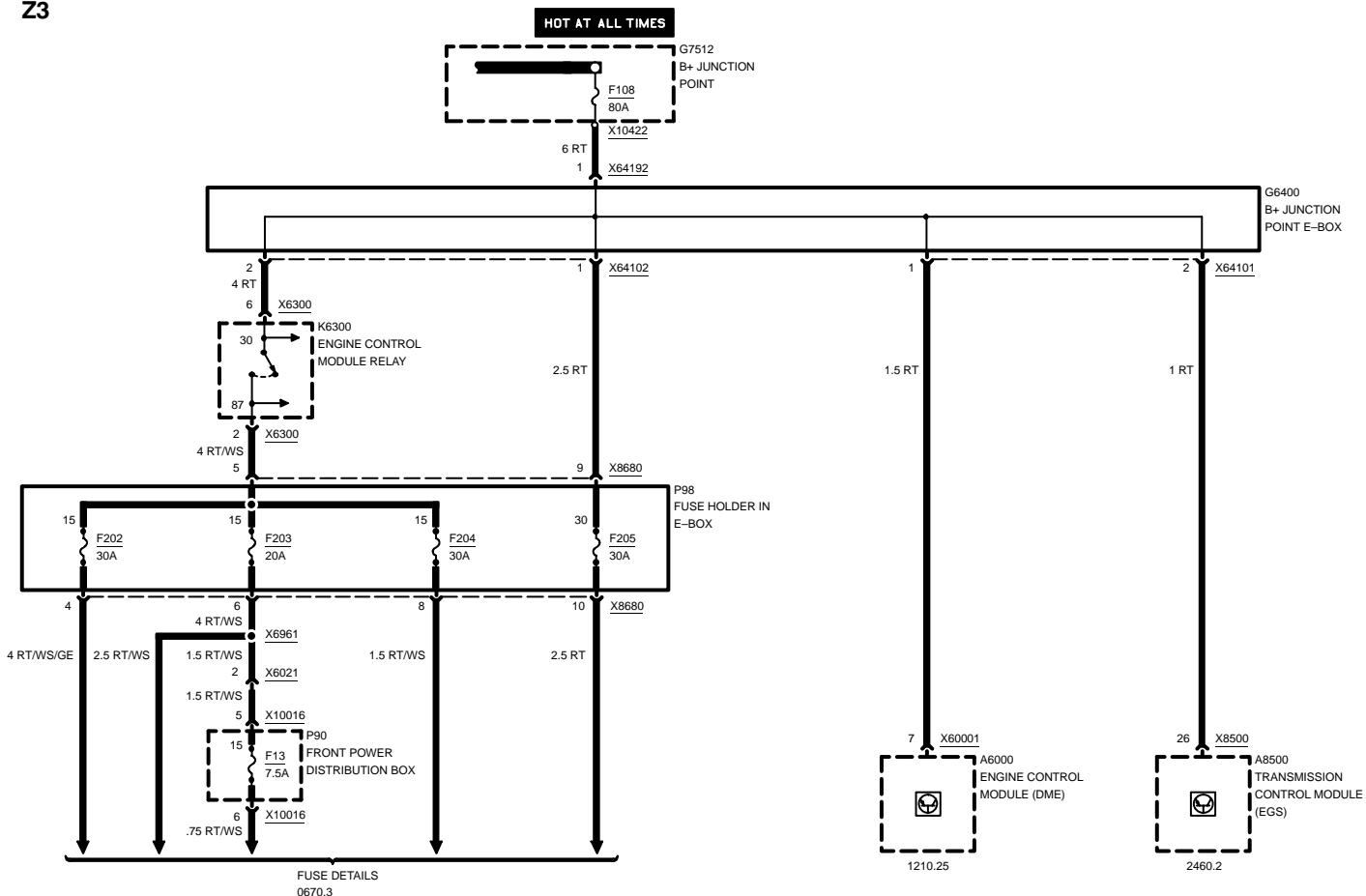
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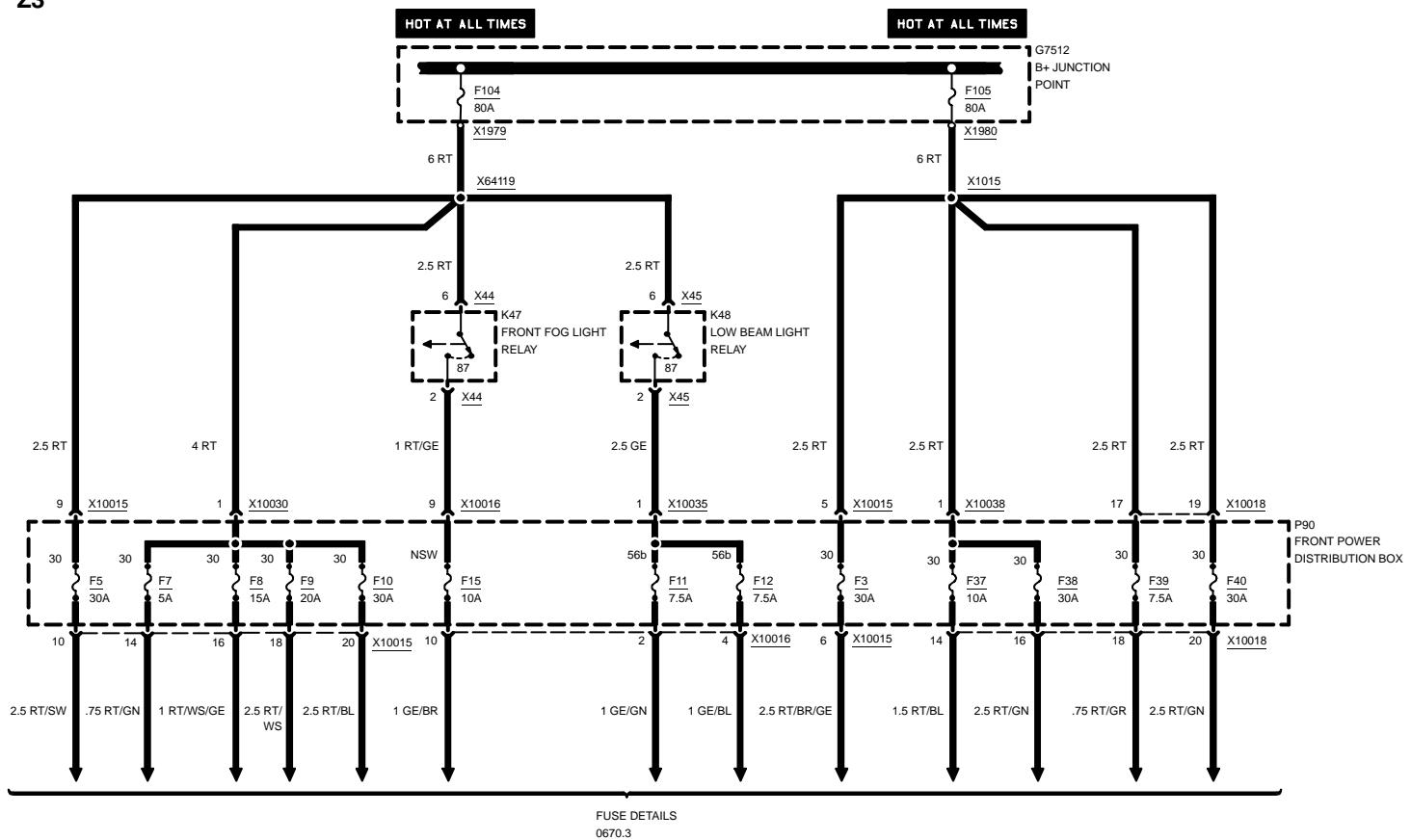
BMW
3
FUSE CHART
FUSES 30 TO 205

Z3

	FUSE NUMBER																						
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49			
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A	40A	50A				
6169.0 WINDSHIELD WASHER JET HEATERS																							
6211.0 INSTRUMENT CLUSTER	●																●						
6213.3 DIGITAL CLOCK	●															●							
6300.0 LIGHT SWITCH DETAILS			●				●																
6312.0 HEADLIGHTS/FOG LIGHTS	●																						
6313.0 TURN/HAZARD LIGHTS				●																			
6314.0 PARK/TAIL/UNDERHOOD LIGHTS				●			●																
6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS				●			●																
6322.0 BACK UP LIGHTS																							
6325.0 BRAKE LIGHTS																	●						
6330.3 INTERIOR LIGHTS			●												●								
6332.0 INTERIOR ACCESSORIES			●				●																
6350.0 CRASH CONTROL MODULE				●														●					
6424.0 REAR WINDOW DEFOGGER																			●				
6450.6 INTEGRATED HEATING- AND CLIMATE CONTROL										●	●								●				
6510.1 RADIO/HIFI																	●						
6561.0 CELLULAR TELEPHONE (PROVISIONS)					●										●								
6571.0 CRUISE CONTROL (TEMPOMAT)																		●					
6575.2 ANTI-THEFT SYSTEM (ALPINE)	●													●									
6581.3 BOARD COMPUTER (BC – LOW)	●																	●					







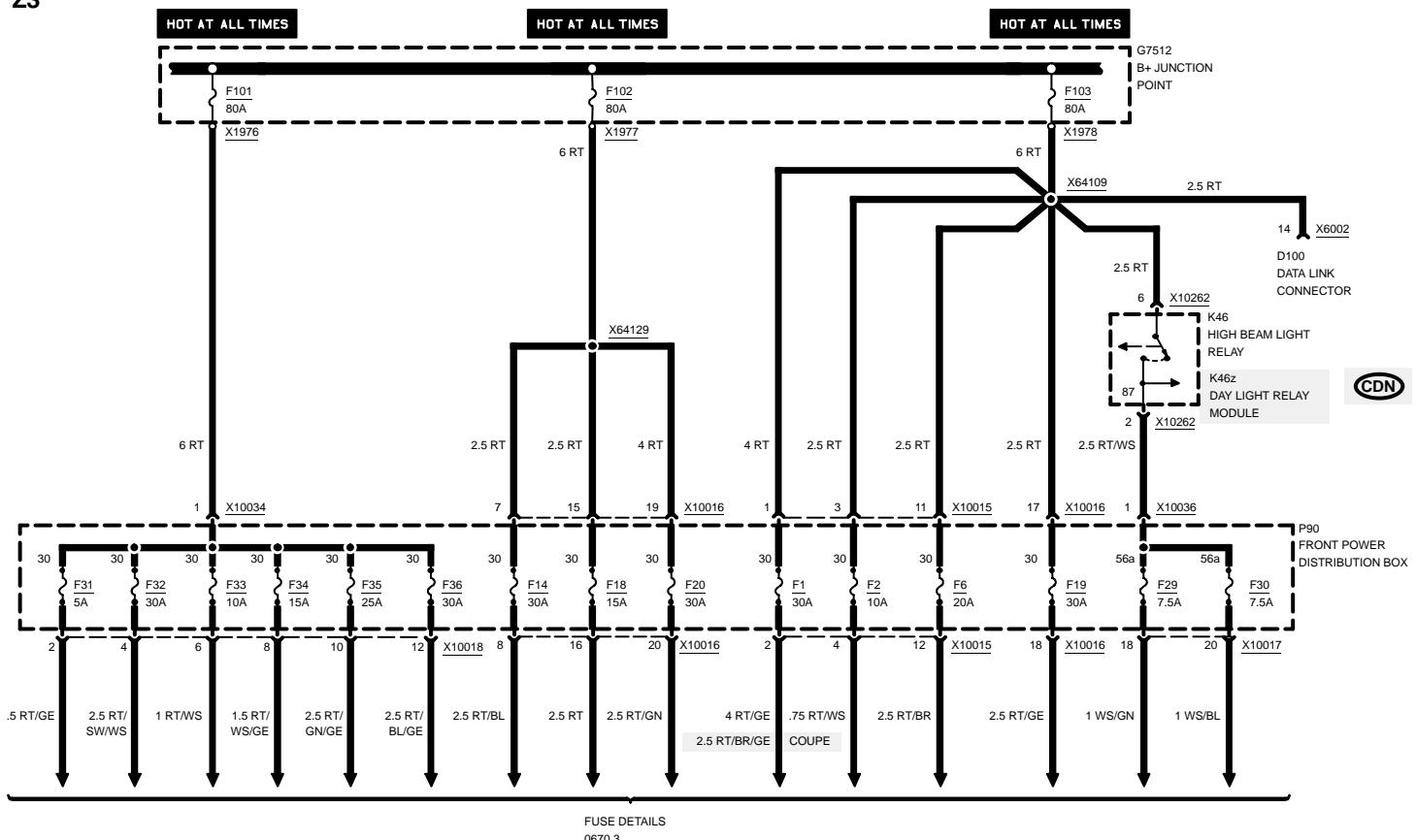
POWER DISTRIBUTION

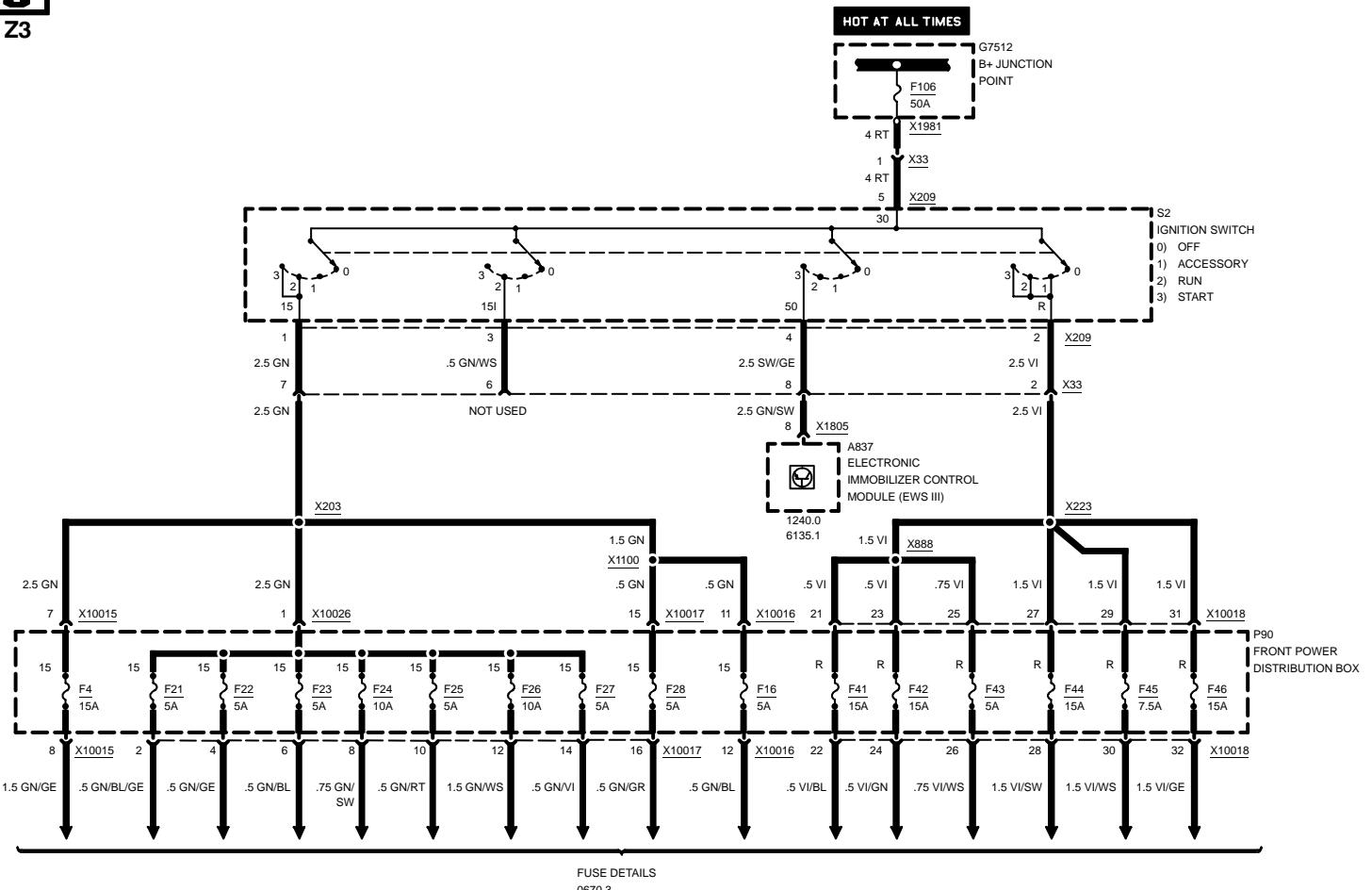
Z3 VERSIONS

03/00

0670-2-03

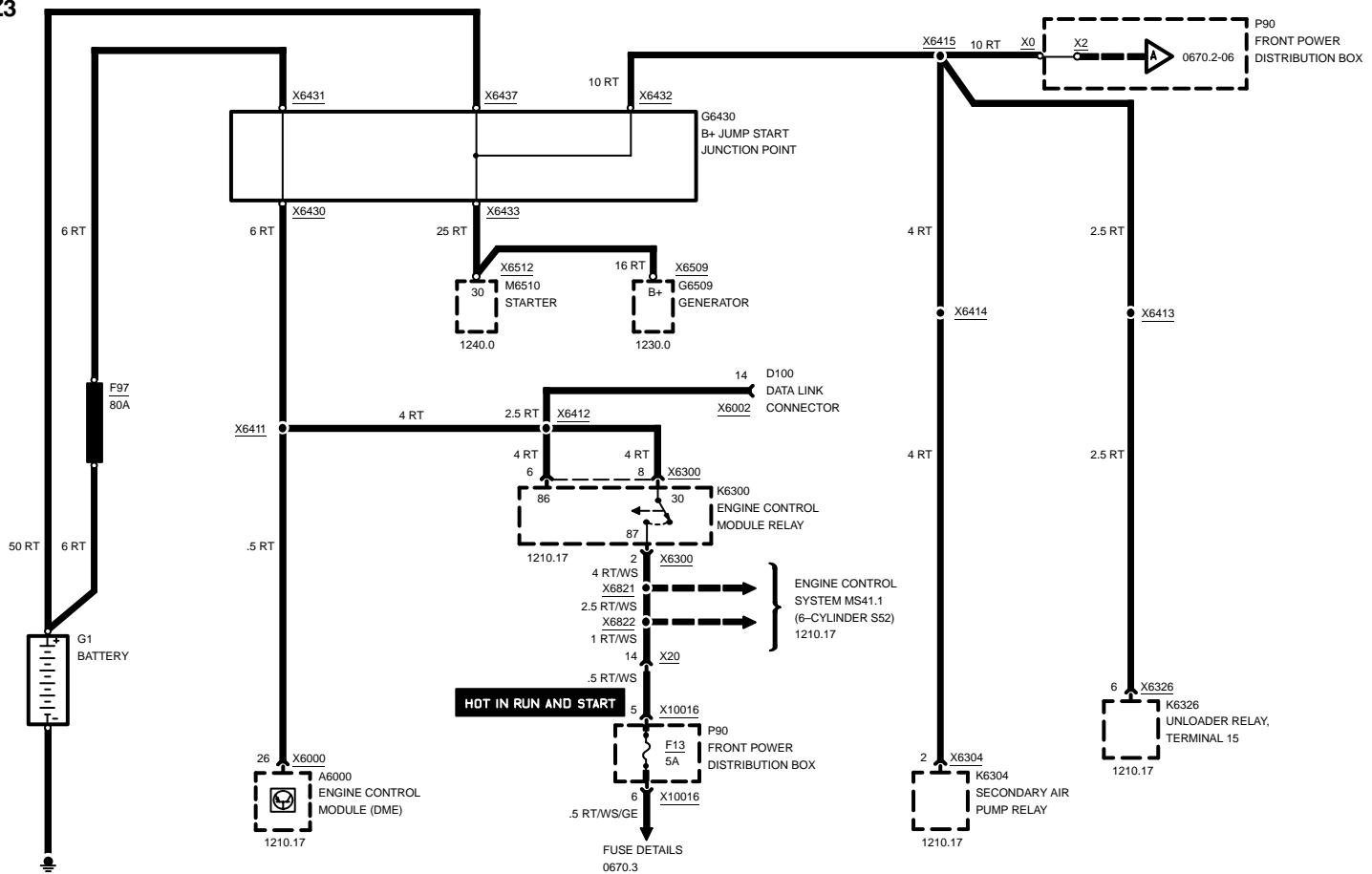
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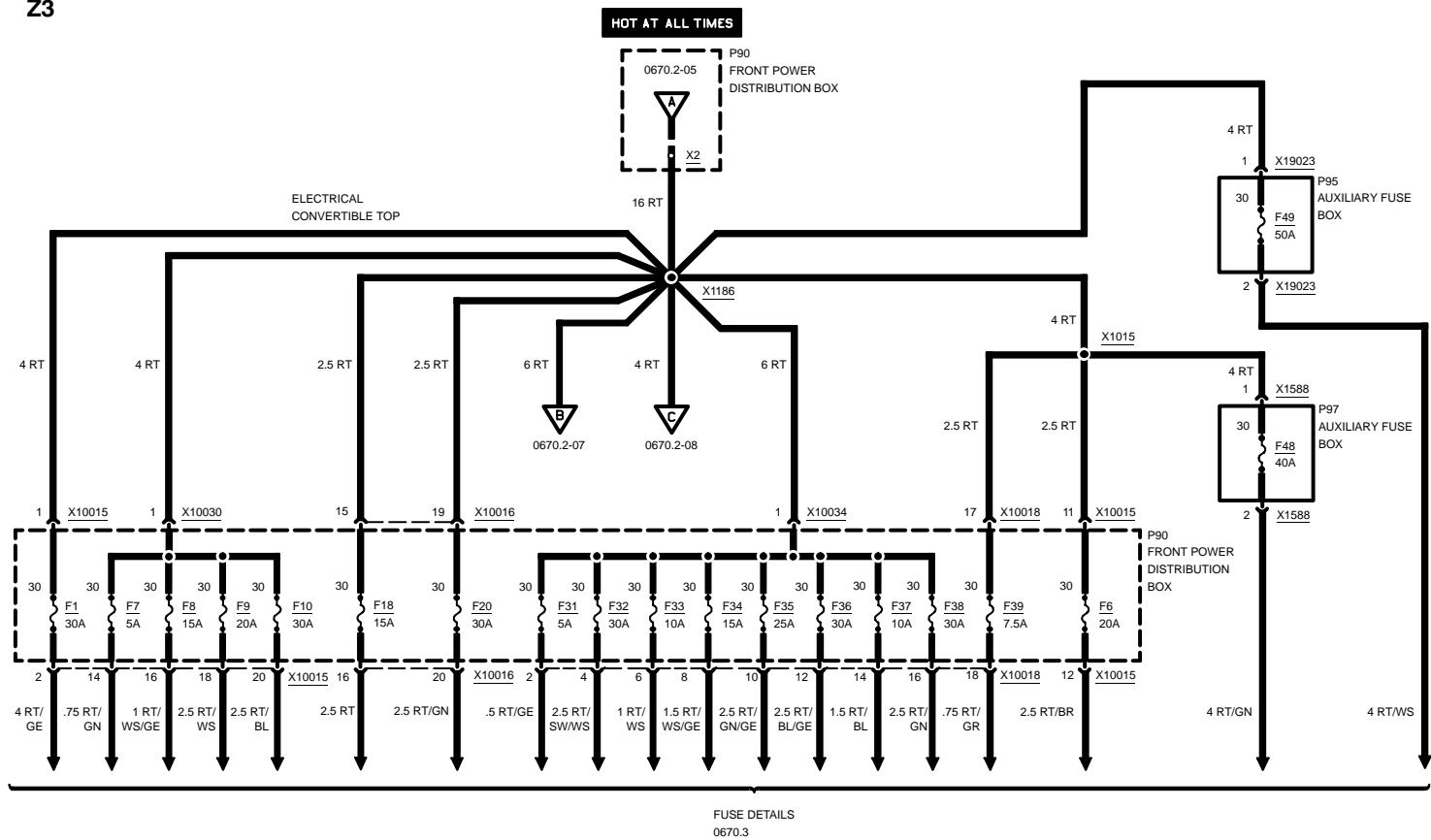


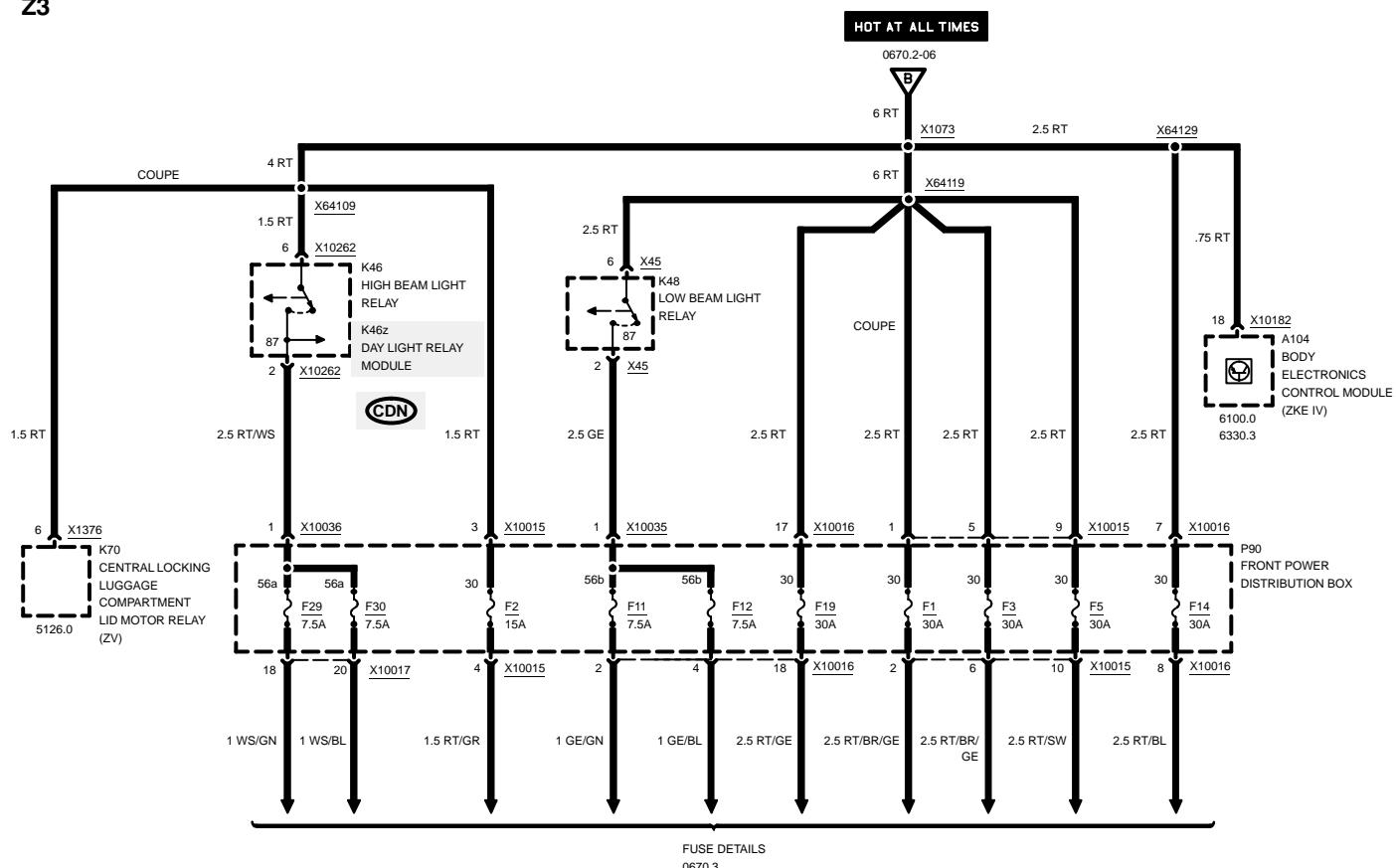


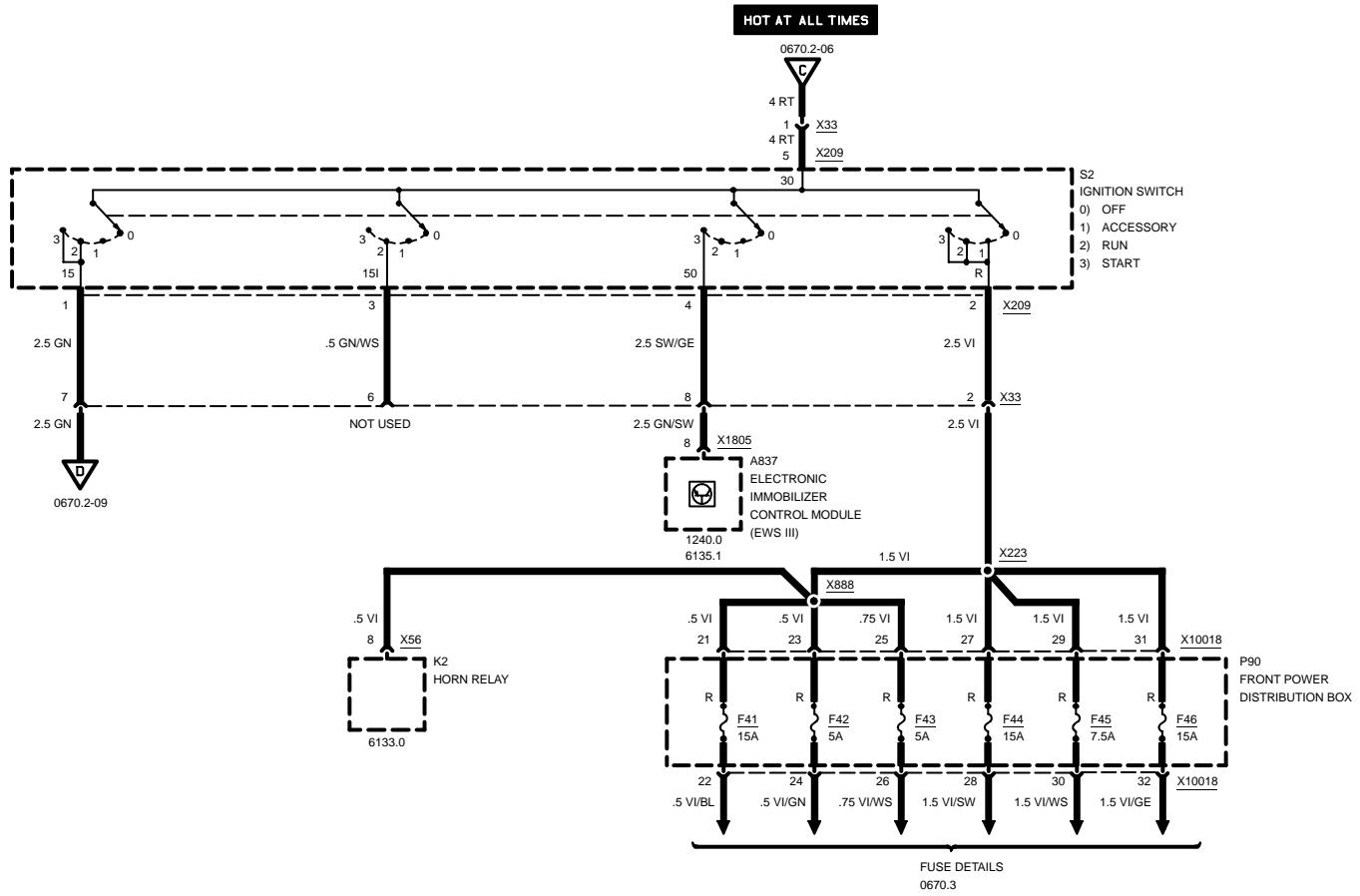
POWER DISTRIBUTION

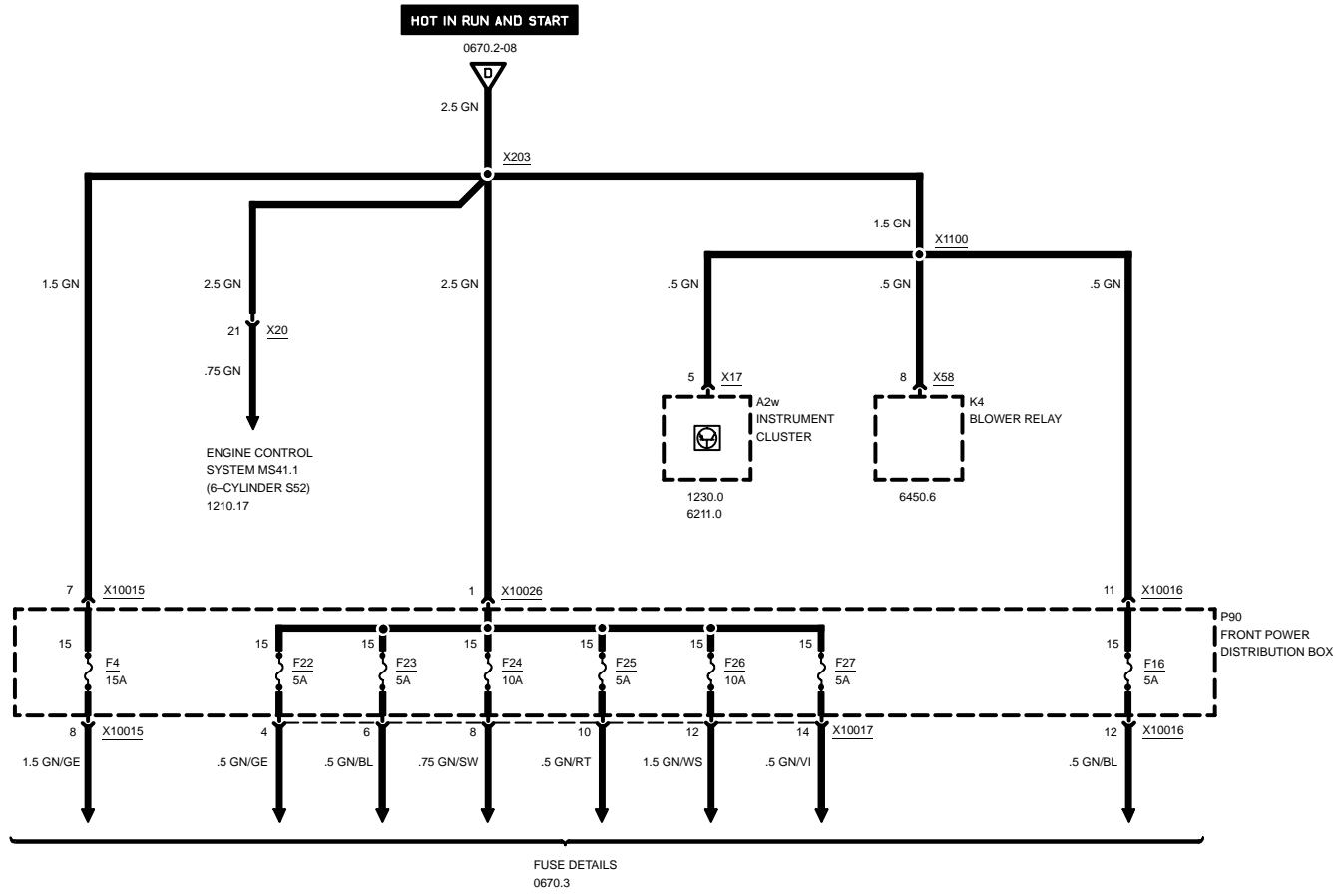
M VERSIONS







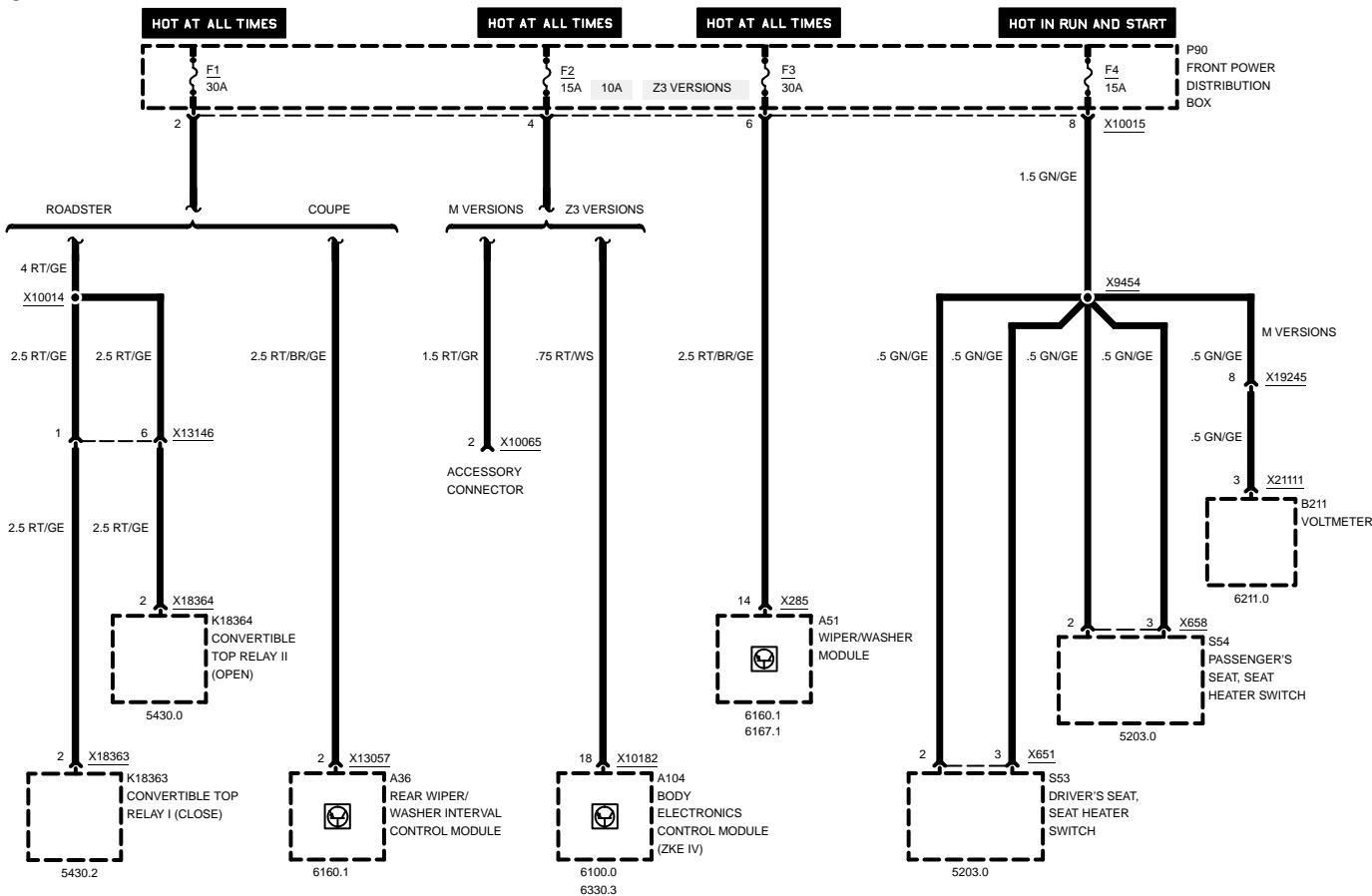




BMW 3 0670.3 FUSE DETAILS

FUSES 1, 2, 3, AND 4

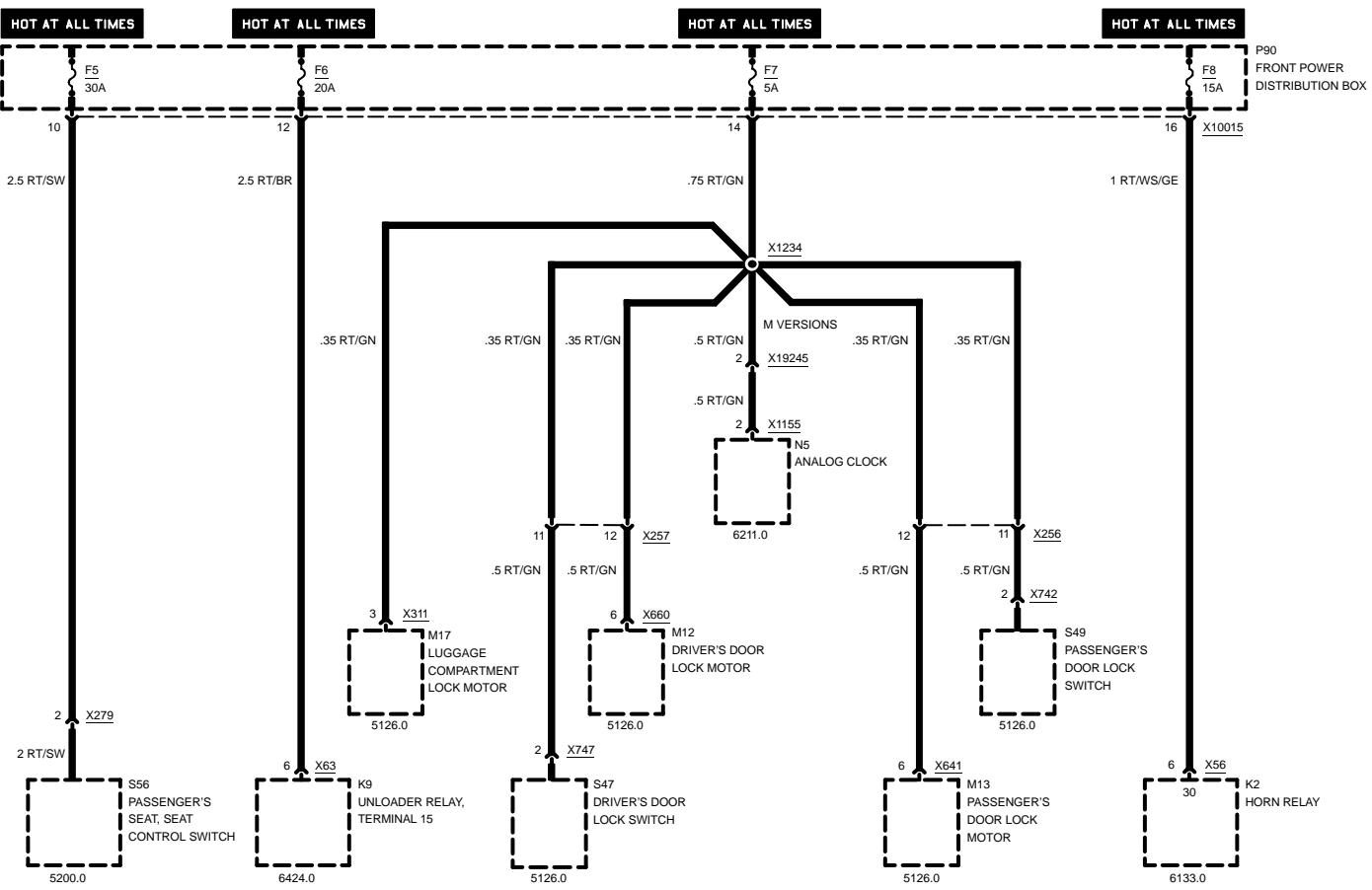
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03/00

0670.3-00

1999

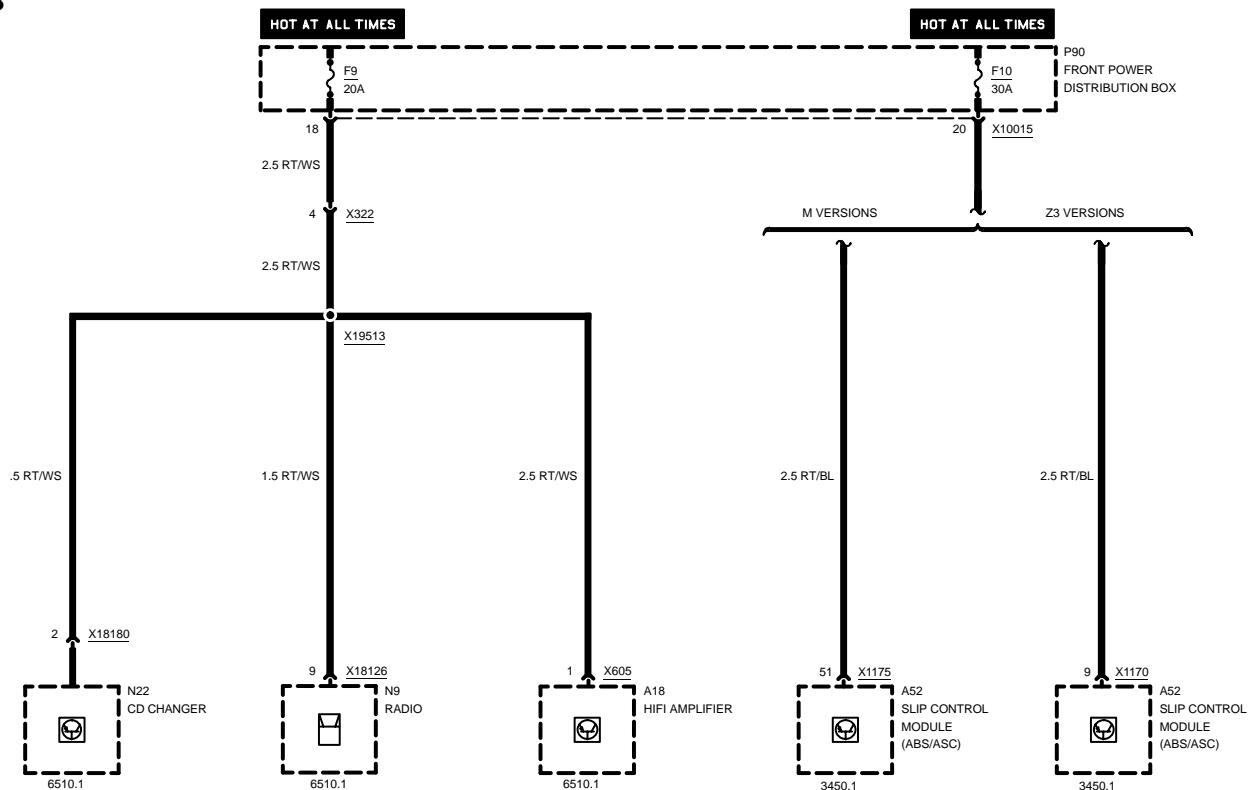
FUSE DETAILS
FUSES 5, 6, 7, AND 8

BMW
3
Z3 **FUSE DETAILS**
FUSES 9 AND 10

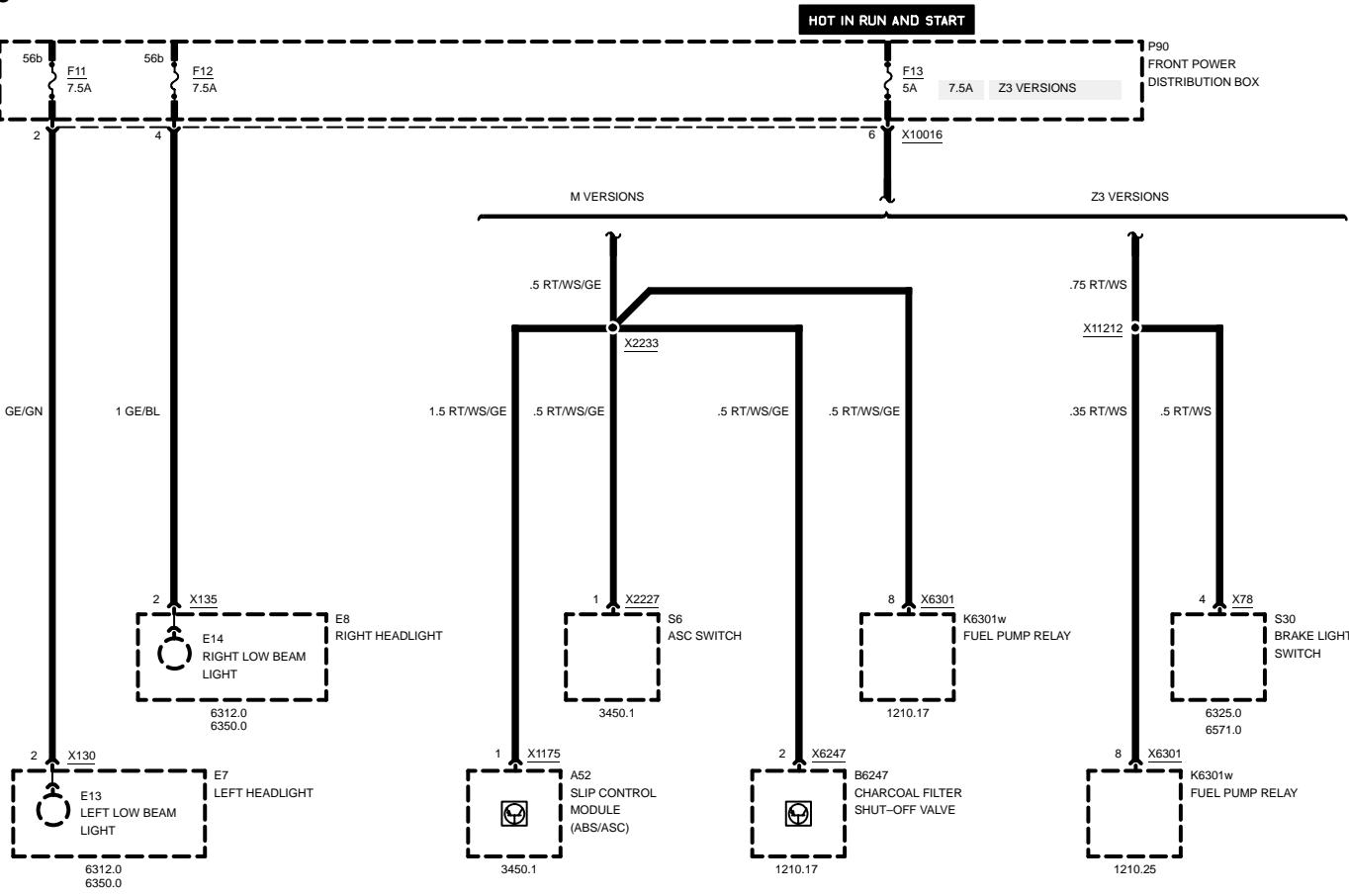
03/00

0670.3-02

1999



BMW
3
FUSE DETAILS
FUSES 11, 12, AND 13
Z3

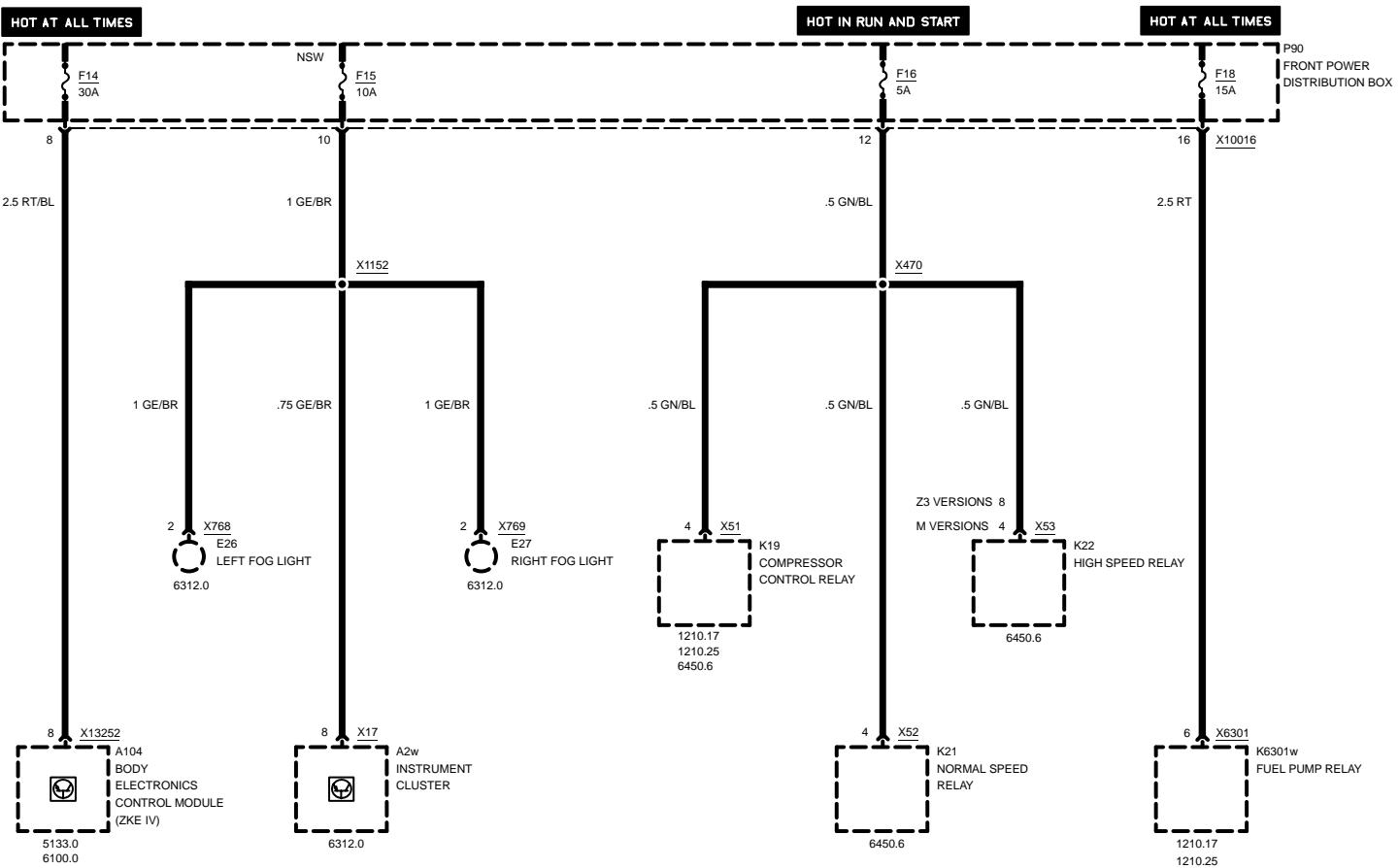


03/00

0670.3-03

1999

BMW
3 **FUSE DETAILS**
FUSES 14, 15, 16, AND 18
Z3

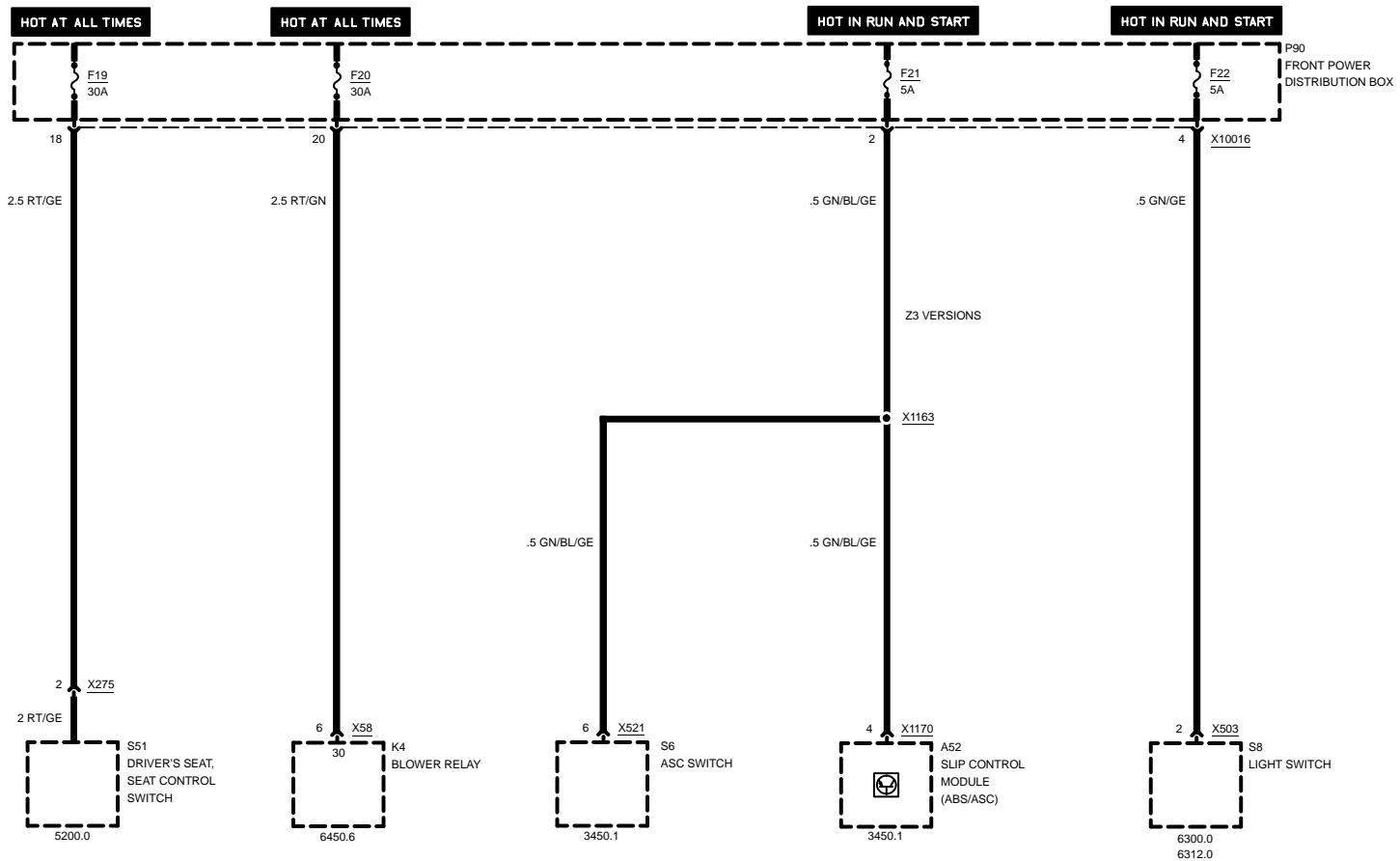


03/00

0670.3-04

1999

BMW
3
FUSE DETAILS
Z3
FUSES 19, 20, 21, AND 22



03/00

0670.3-05

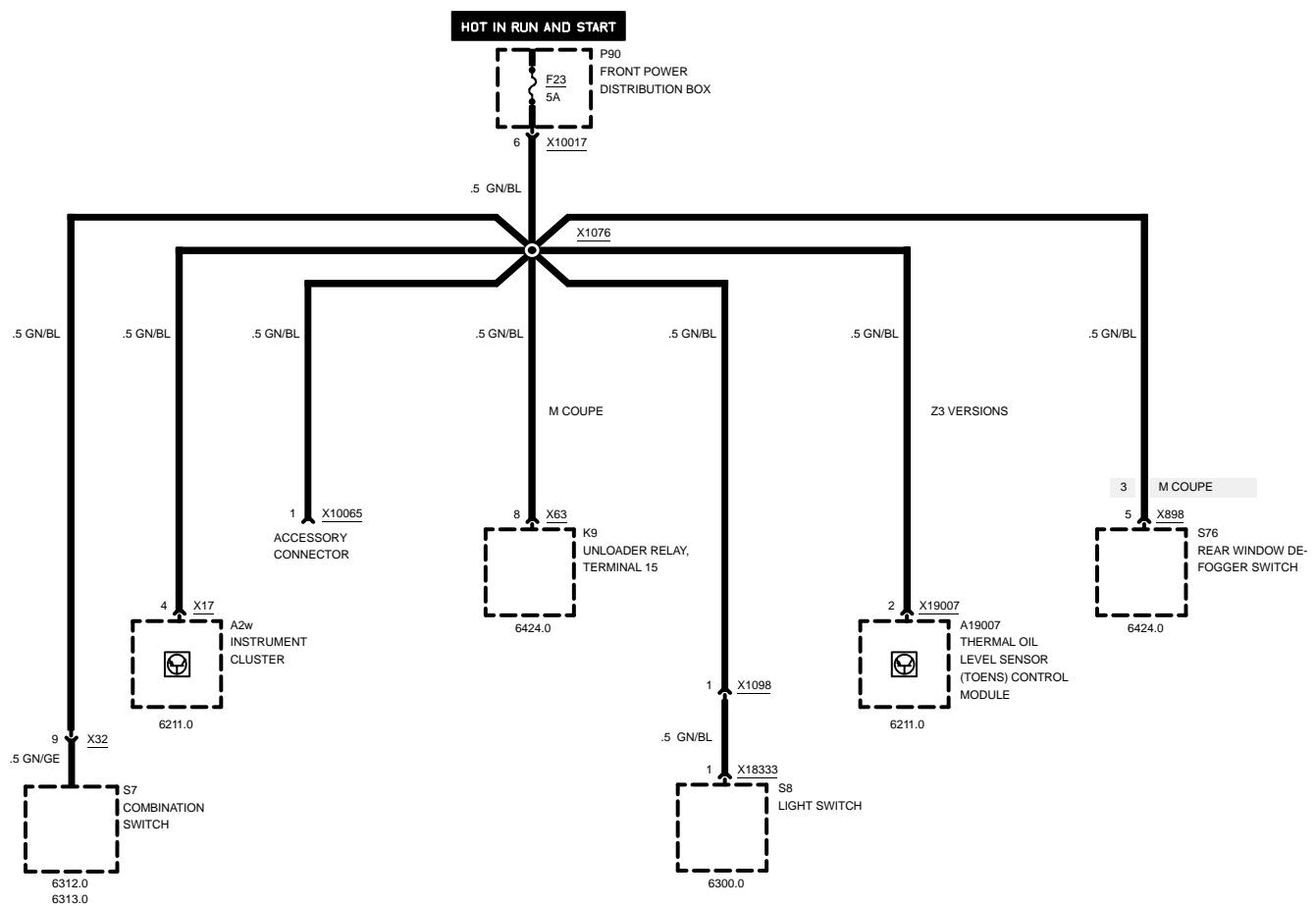
1999

BMW
3
FUSE DETAILS
FUSE 23
Z3

03/00

0670.3-06

1999

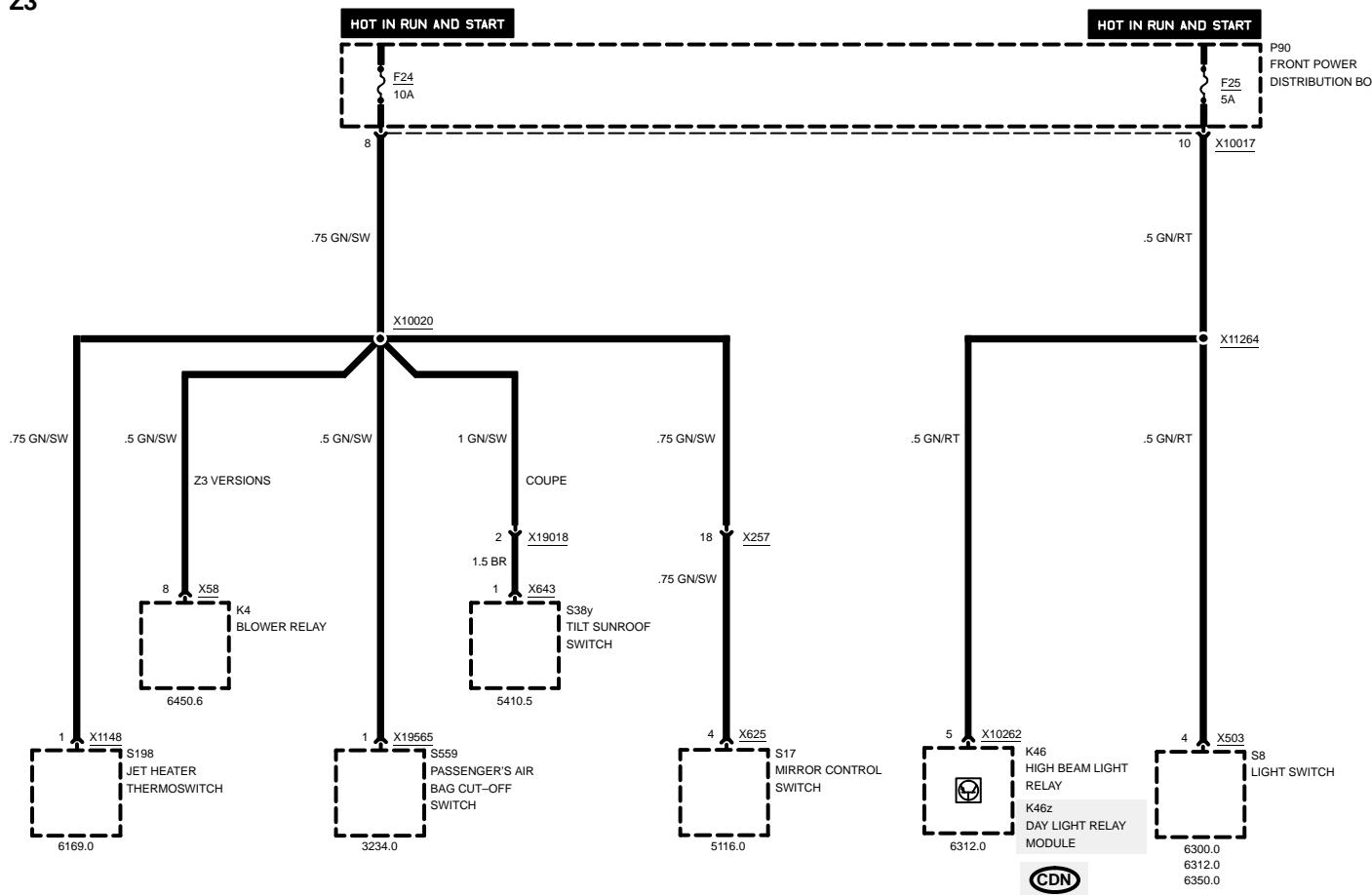


BMW
3
FUSE DETAILS
FUSES 24 AND 25
Z3

03/00

0670.3-07

1999



BMW
3
Z3 **FUSE DETAILS**

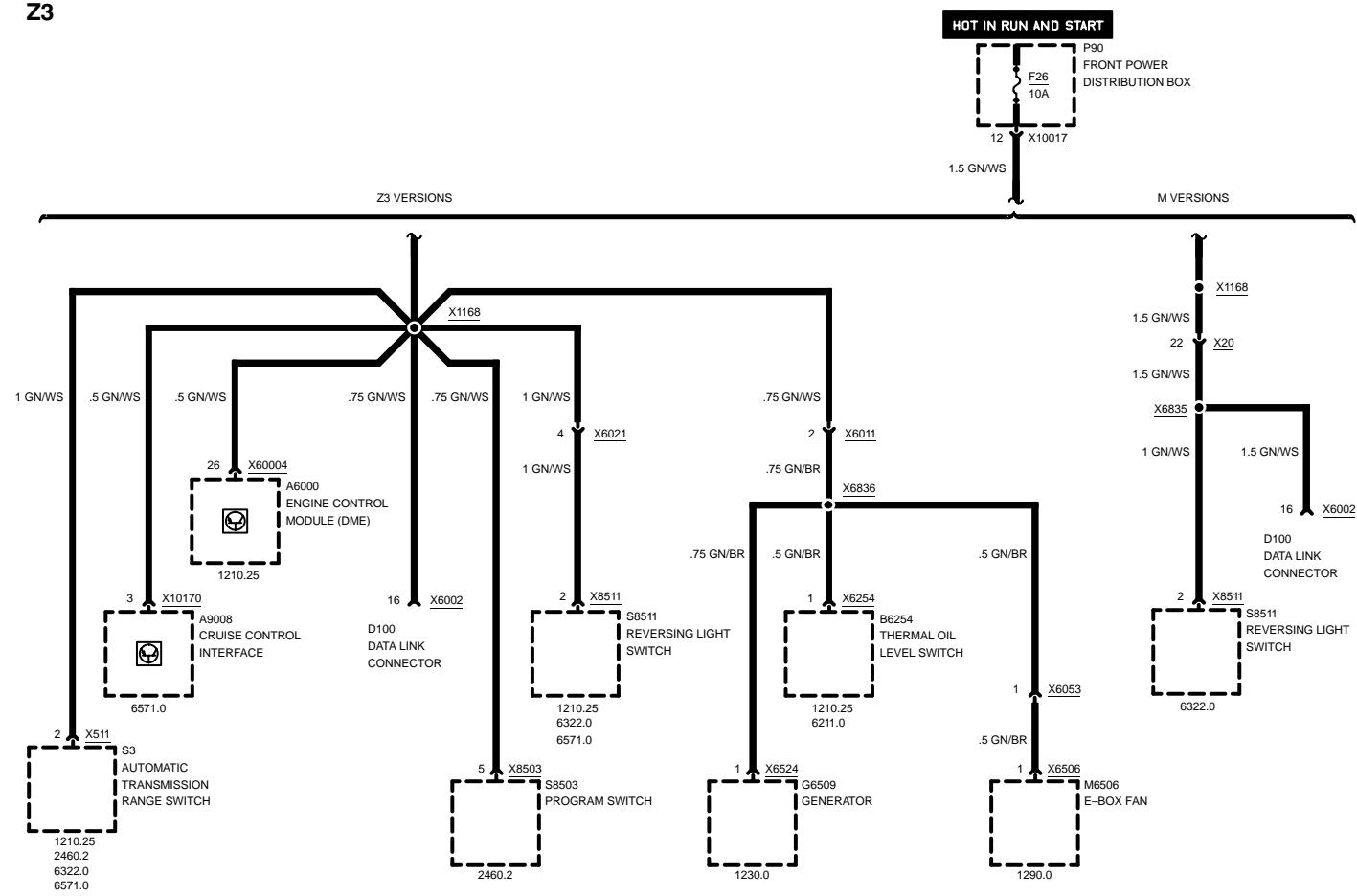
FUSE 26

Z3

03/00

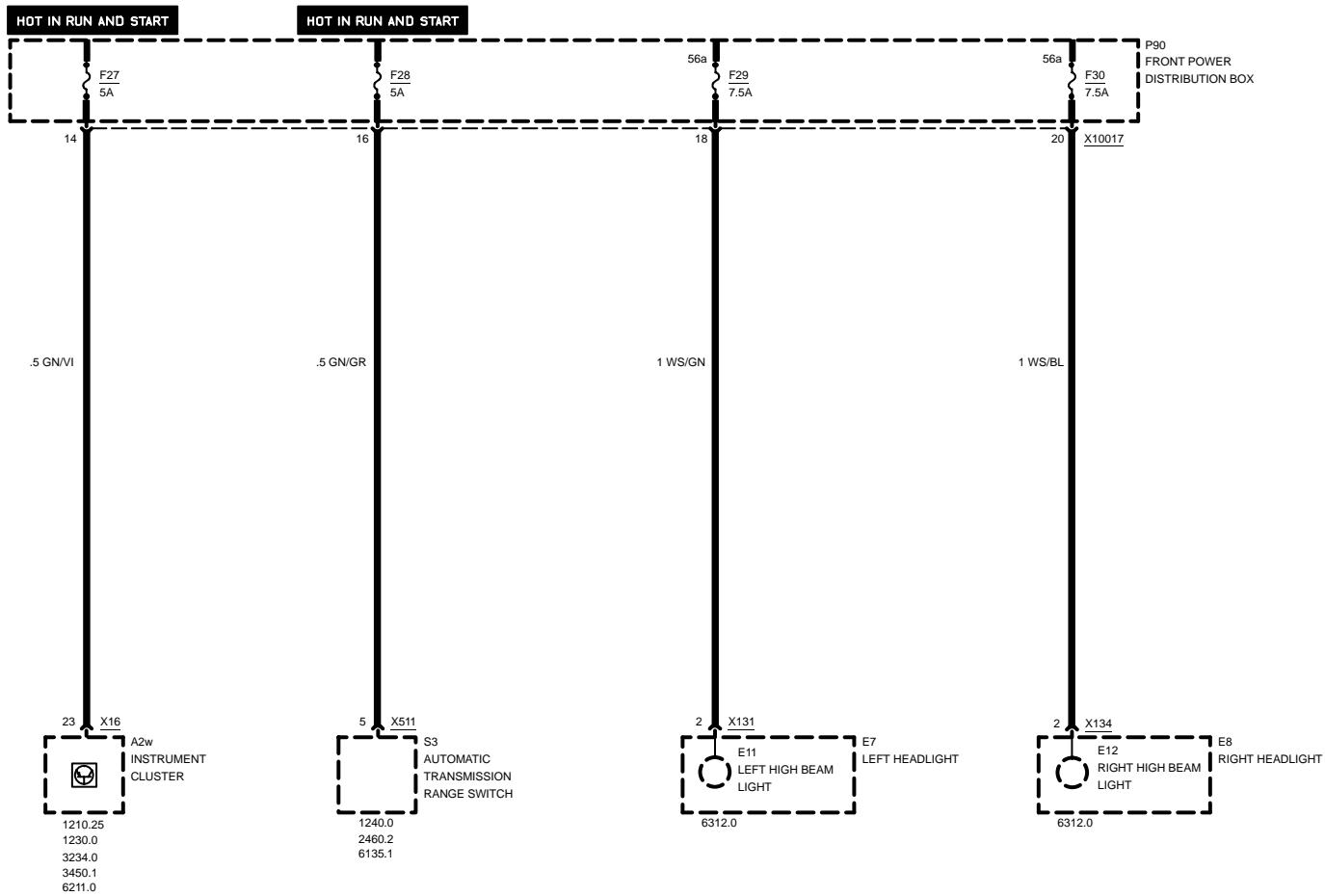
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1999



FUSE DETAILS

FUSES 27, 28, 29, AND 30

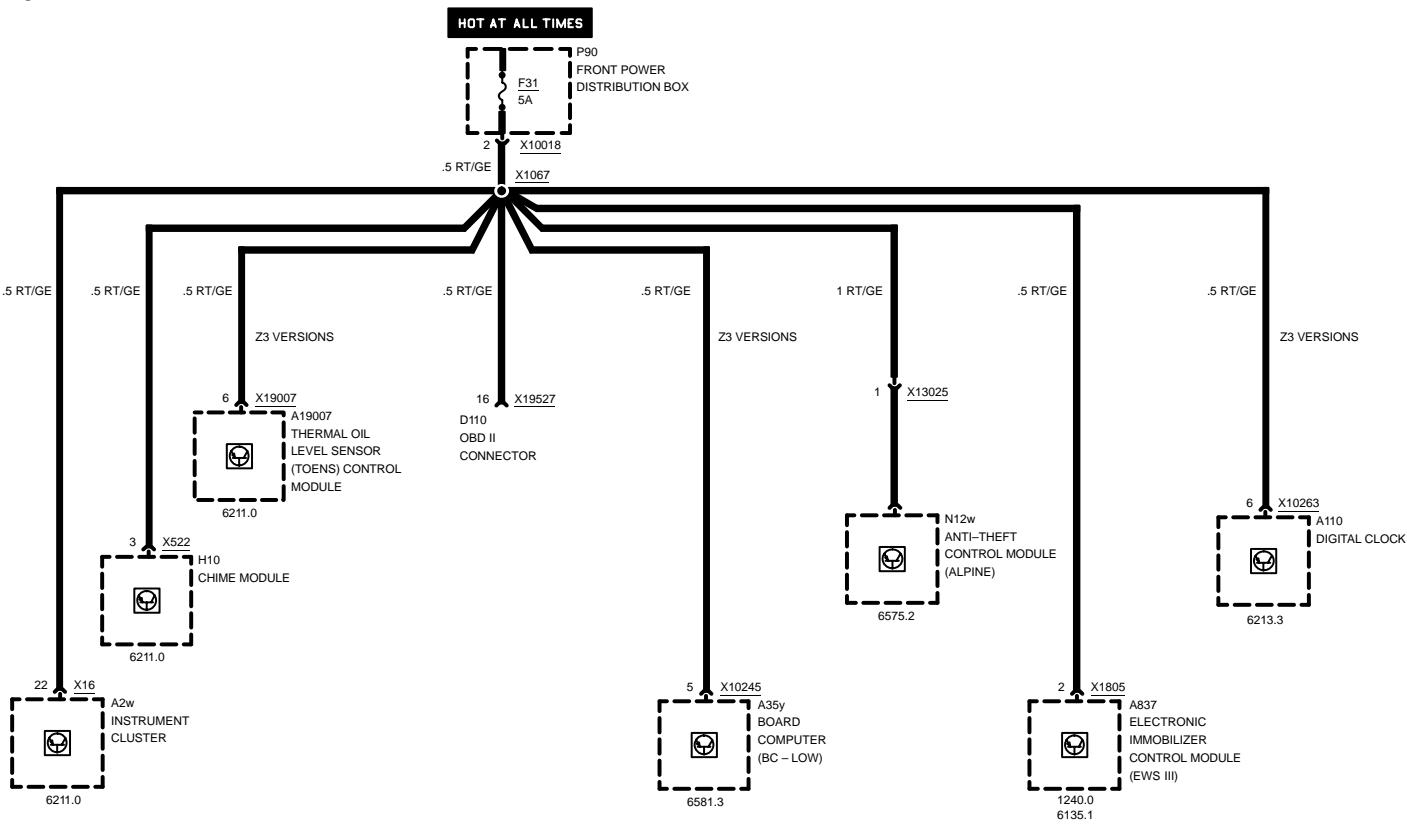


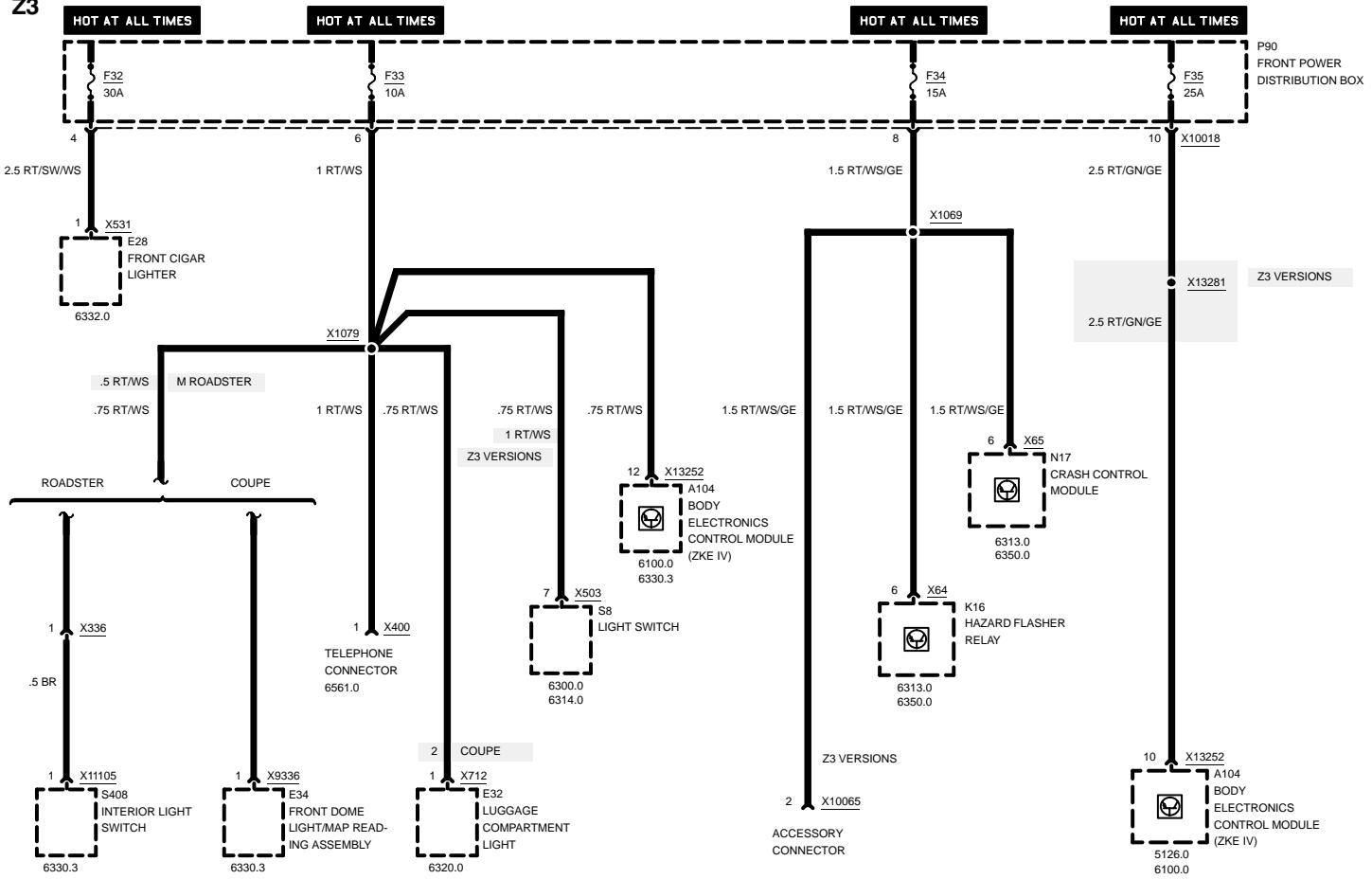
BMW
3
FUSE DETAILS
FUSE 31
Z3

03/00

0670.3-10

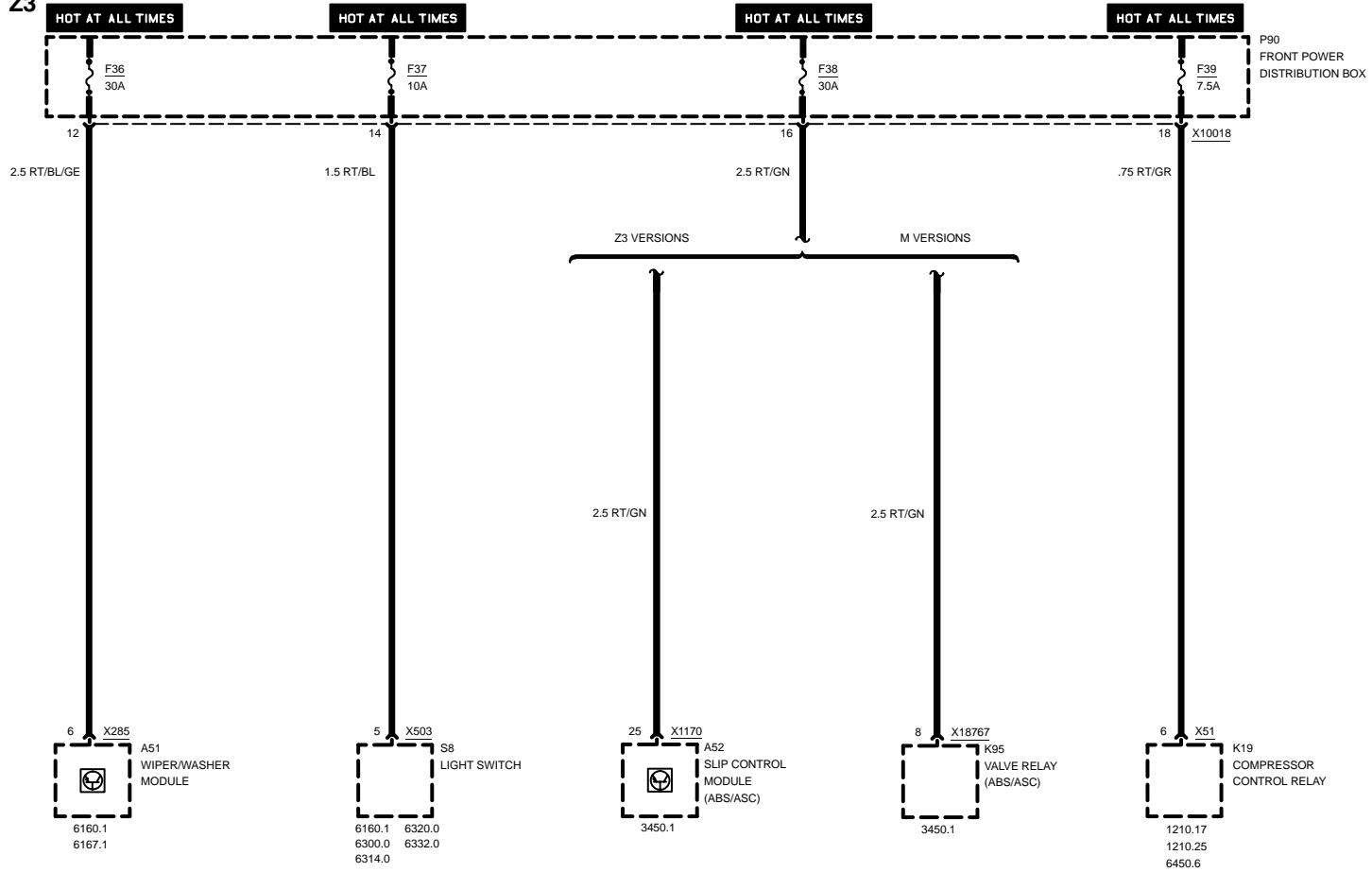
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**BMW
3**
FUSE DETAILS
FUSES 32, 33, 34, AND 35
Z3

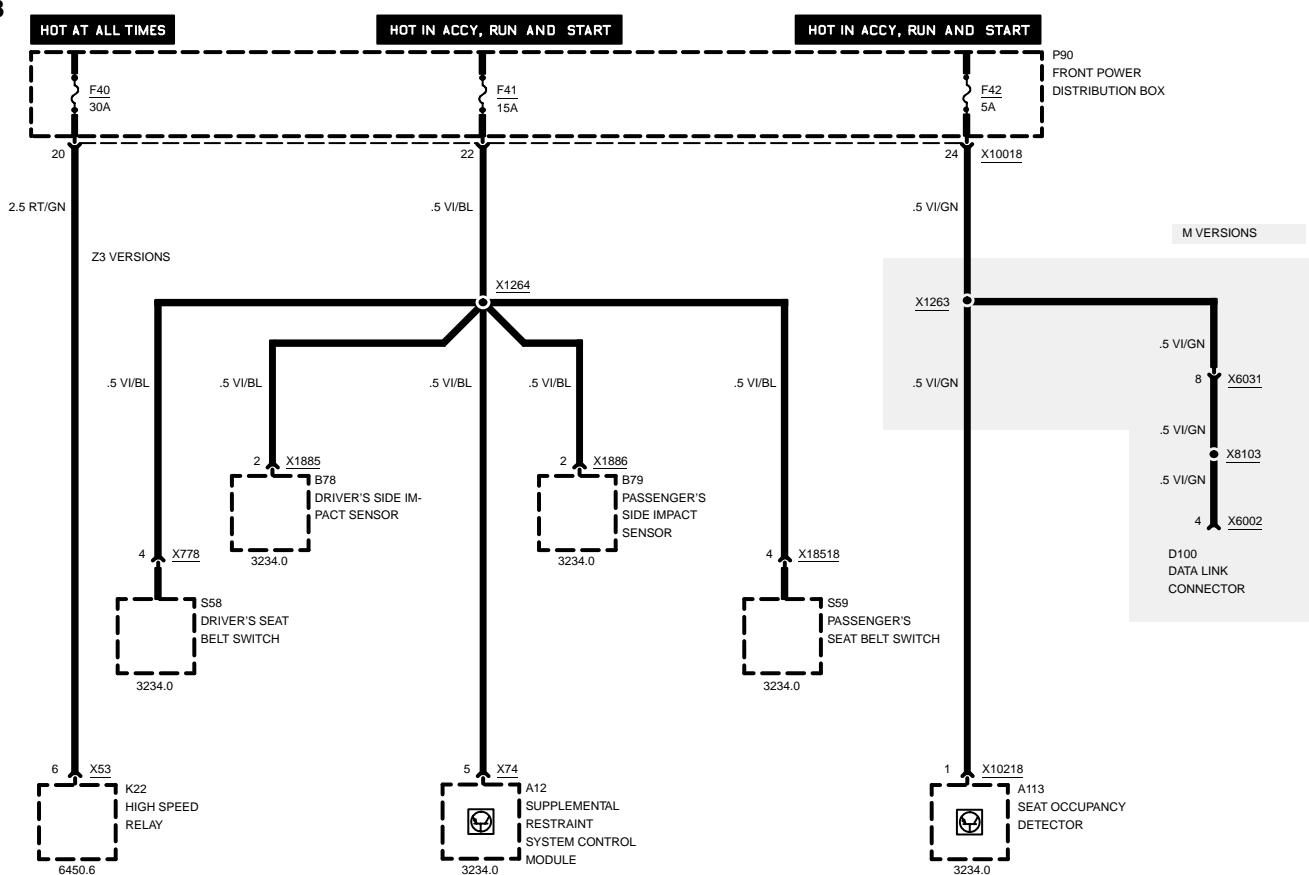
FUSE DETAILS**FUSES 36, 37, 38, AND 39**

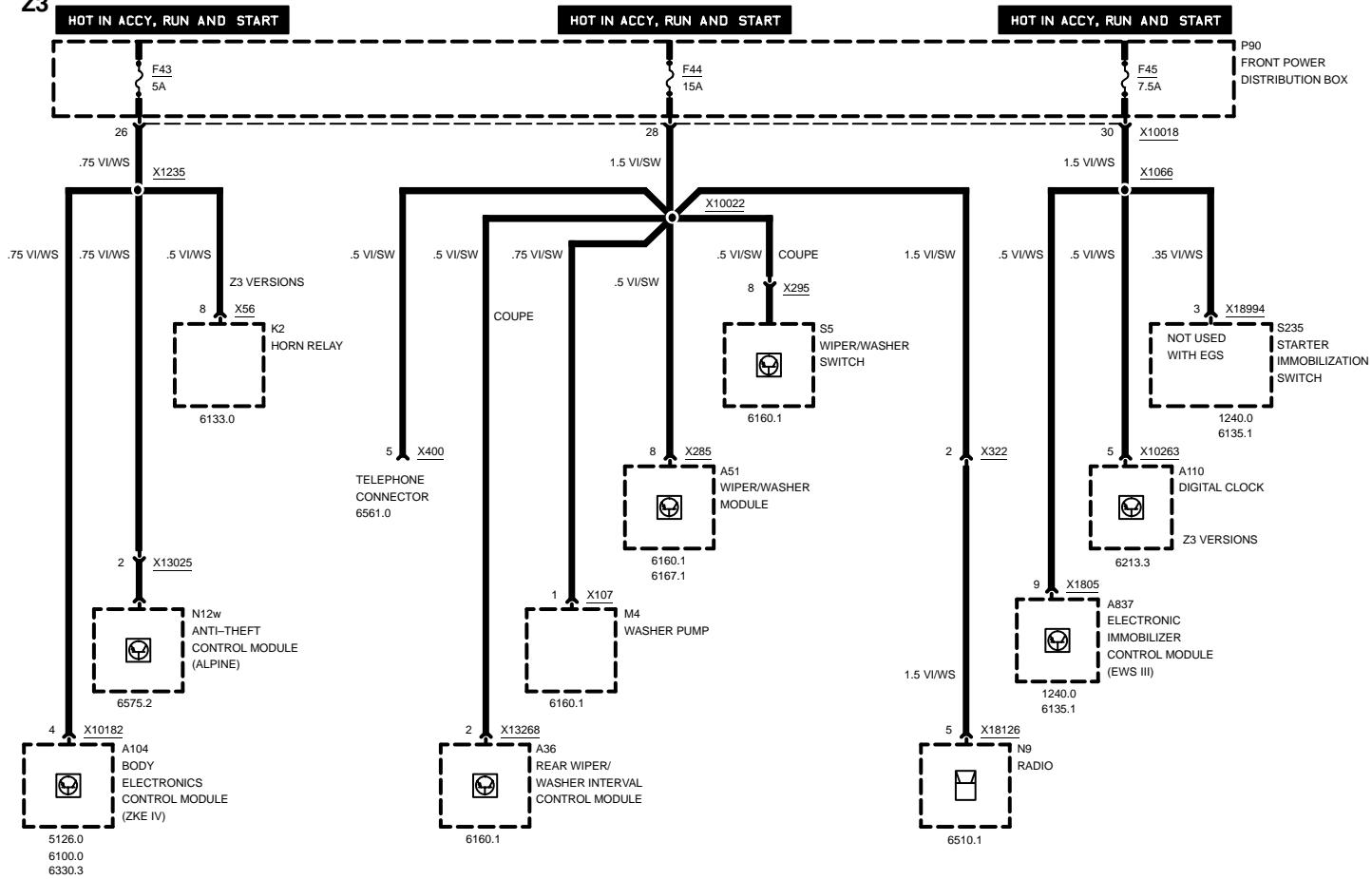
Z3



FUSE DETAILS

FUSES 40, 41, AND 42



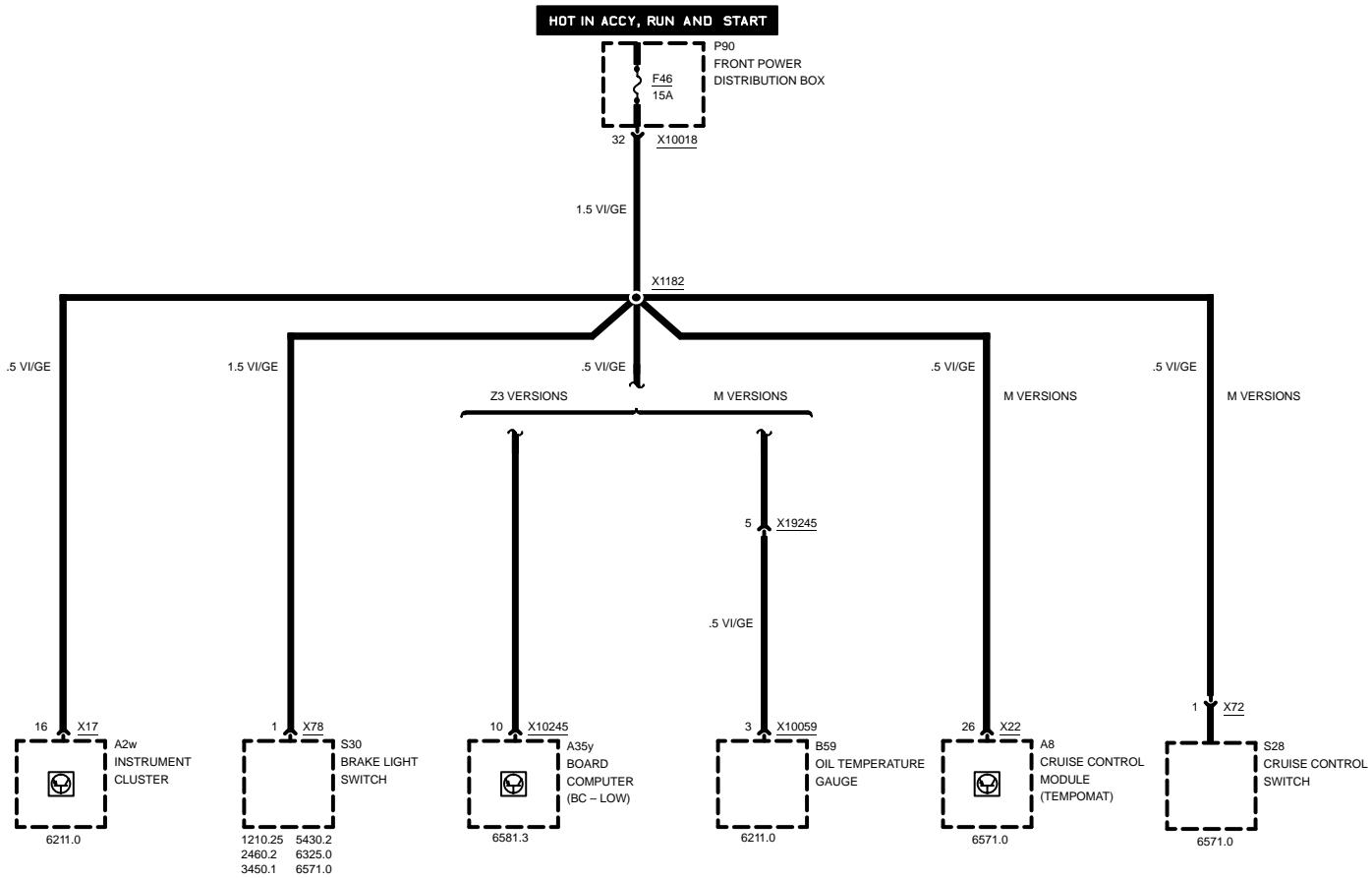
**BMW
3
FUSE DETAILS**
FUSES 43, 44, AND 45
Z3

BMW
3
FUSE DETAILS
FUSE 46
Z3

03/00

0670.3-15

1999

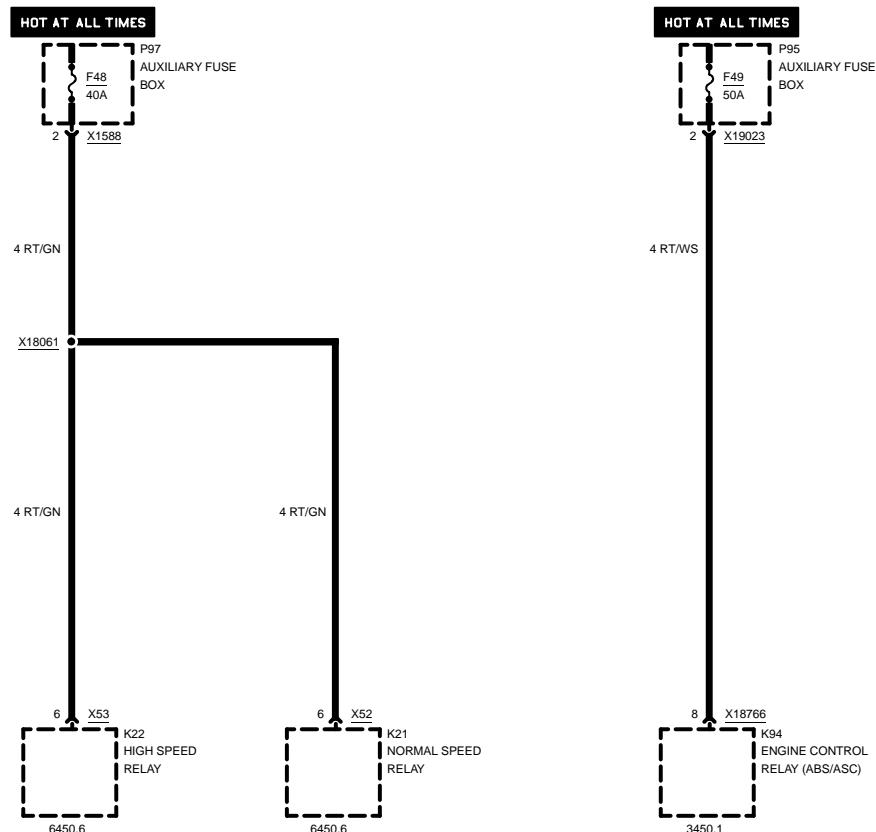


BMW
3
Z3

FUSE DETAILS

FUSES 48 AND 49

M VERSIONS



03/00

0670.3-16

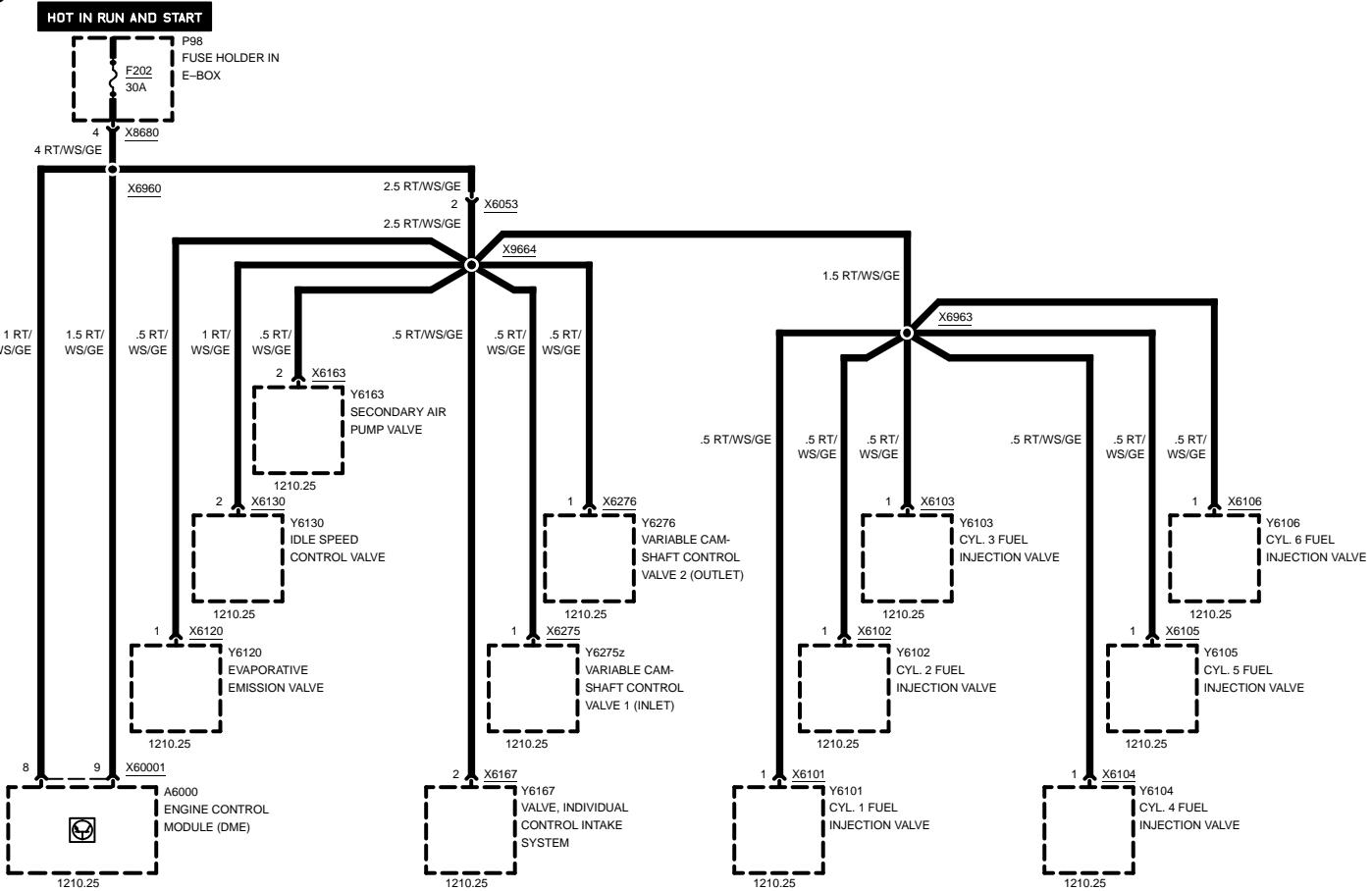
1999

BMW
3
FUSE DETAILS
FUSE 202
Z3

03/00

0670.3-17

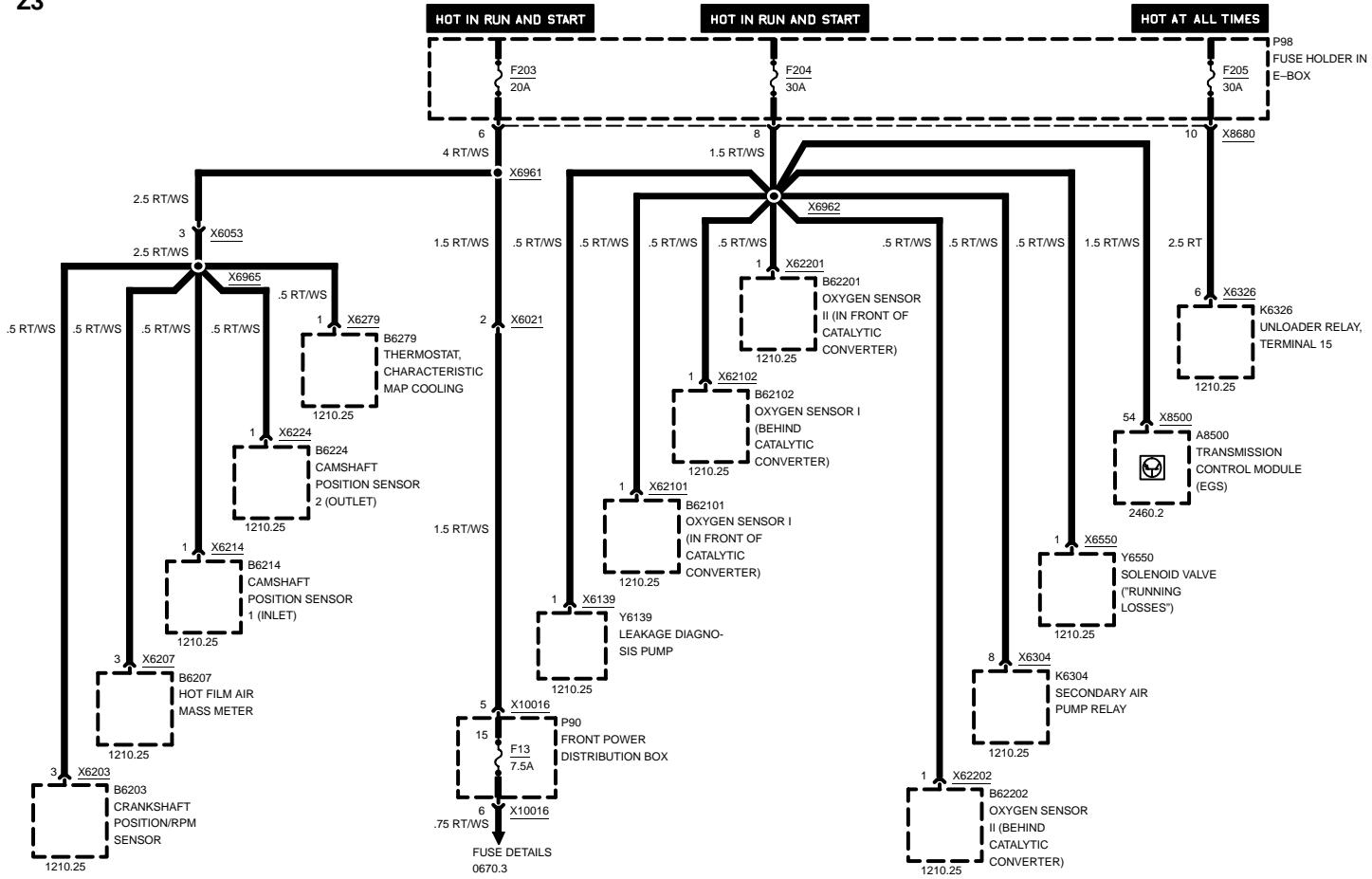
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BMW
3
FUSE DETAILS
FUSES 203, 204, AND 205
Z3

03/00

0670.3-18

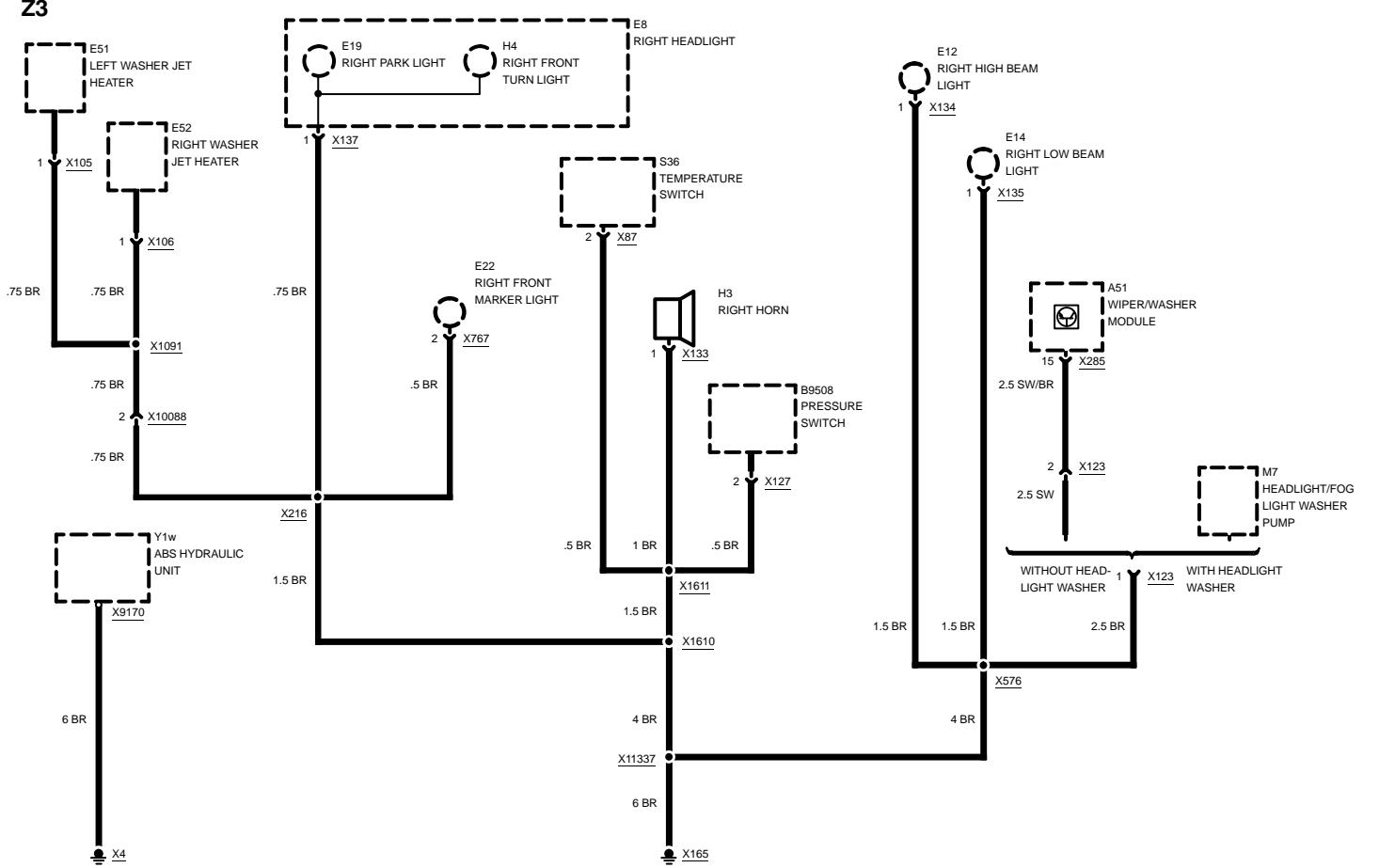


FUSE DETAILS
0670.3

BMW
3
Z3

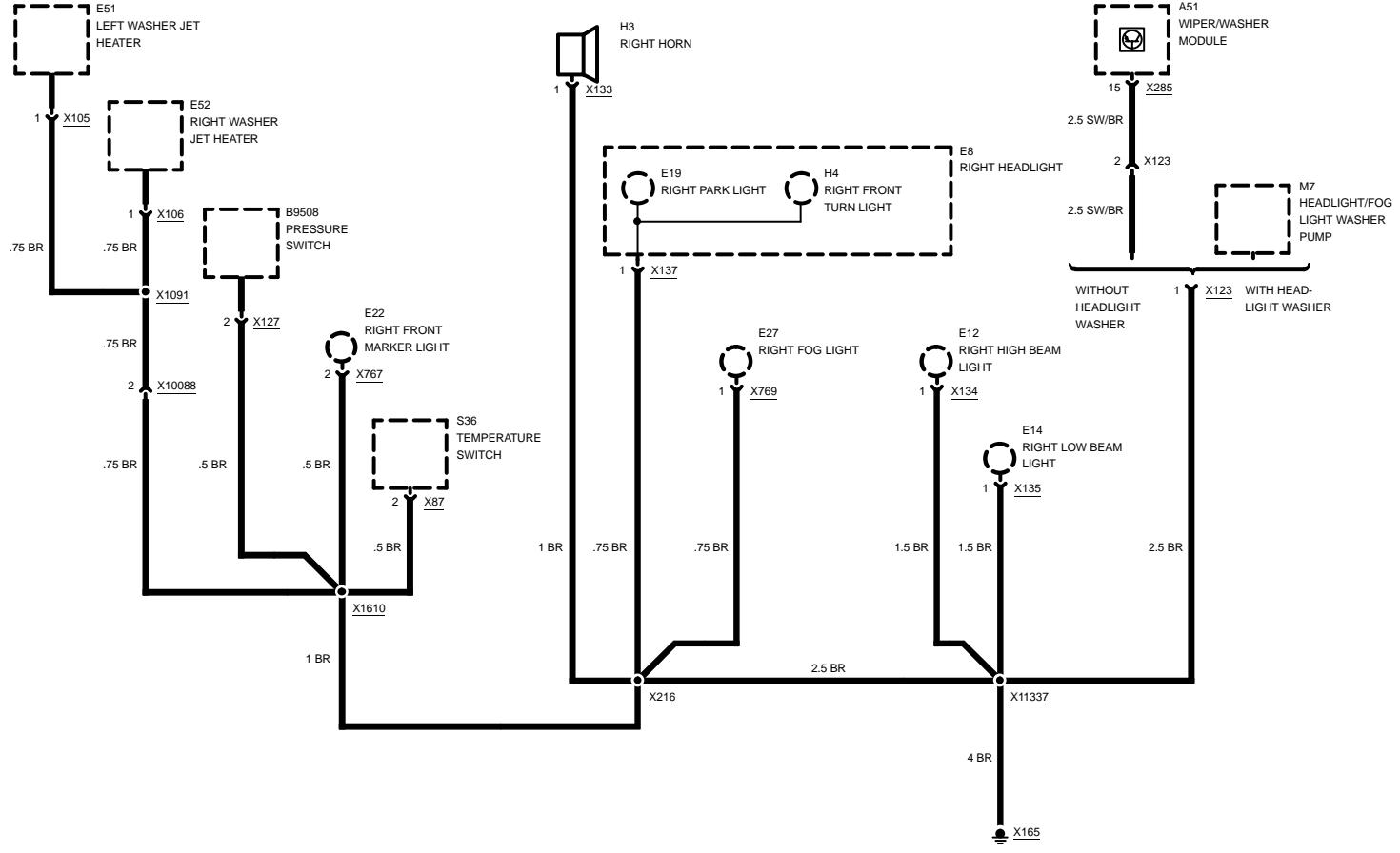
0670.4 GROUND DISTRIBUTION
GROUND X4 AND X165

M VERSIONS



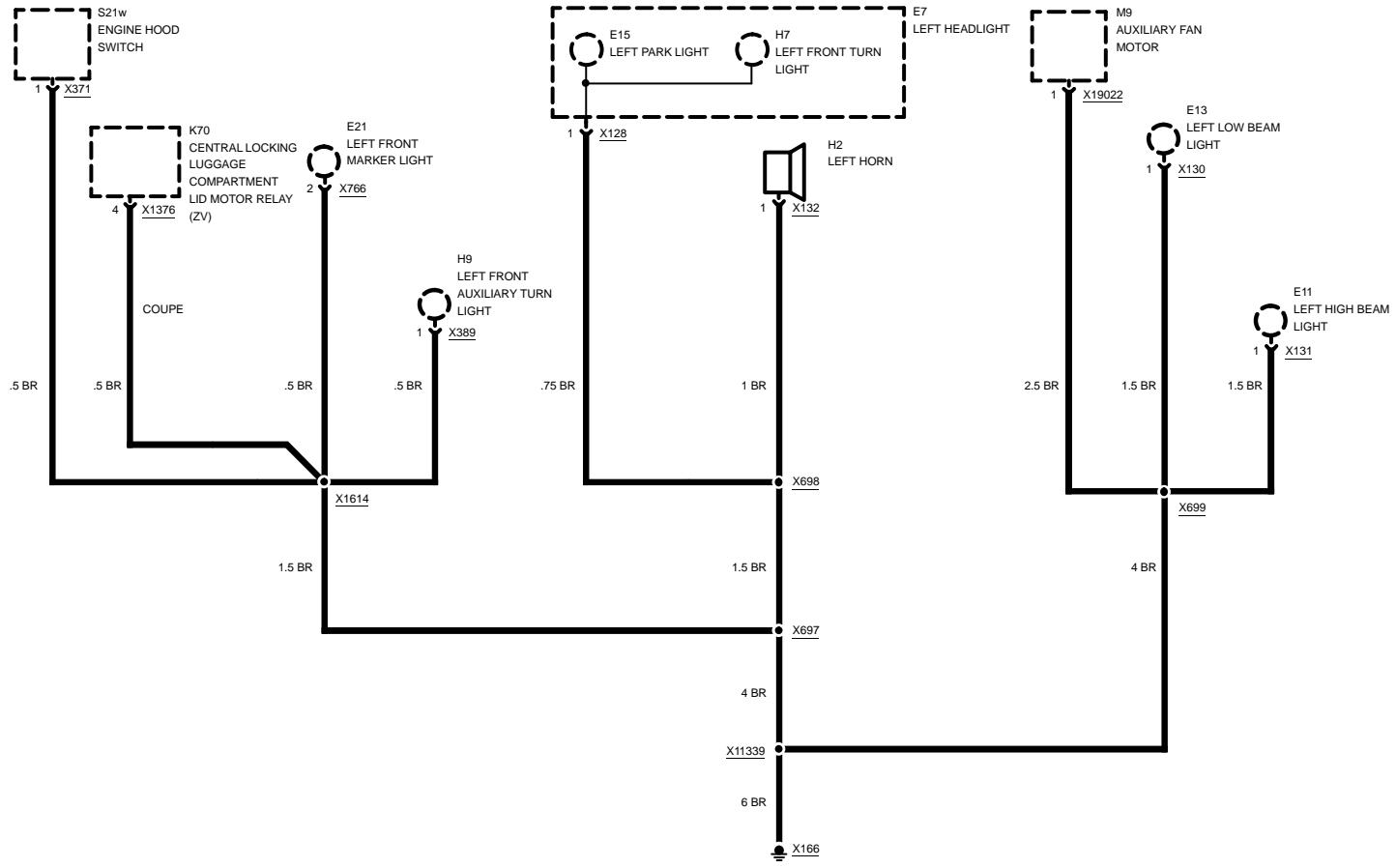
BMW
3 **GROUND DISTRIBUTION**
GROUND X165
Z3

Z3 VERSIONS



BMW
3
Z3 GROUND DISTRIBUTION
GROUND X166

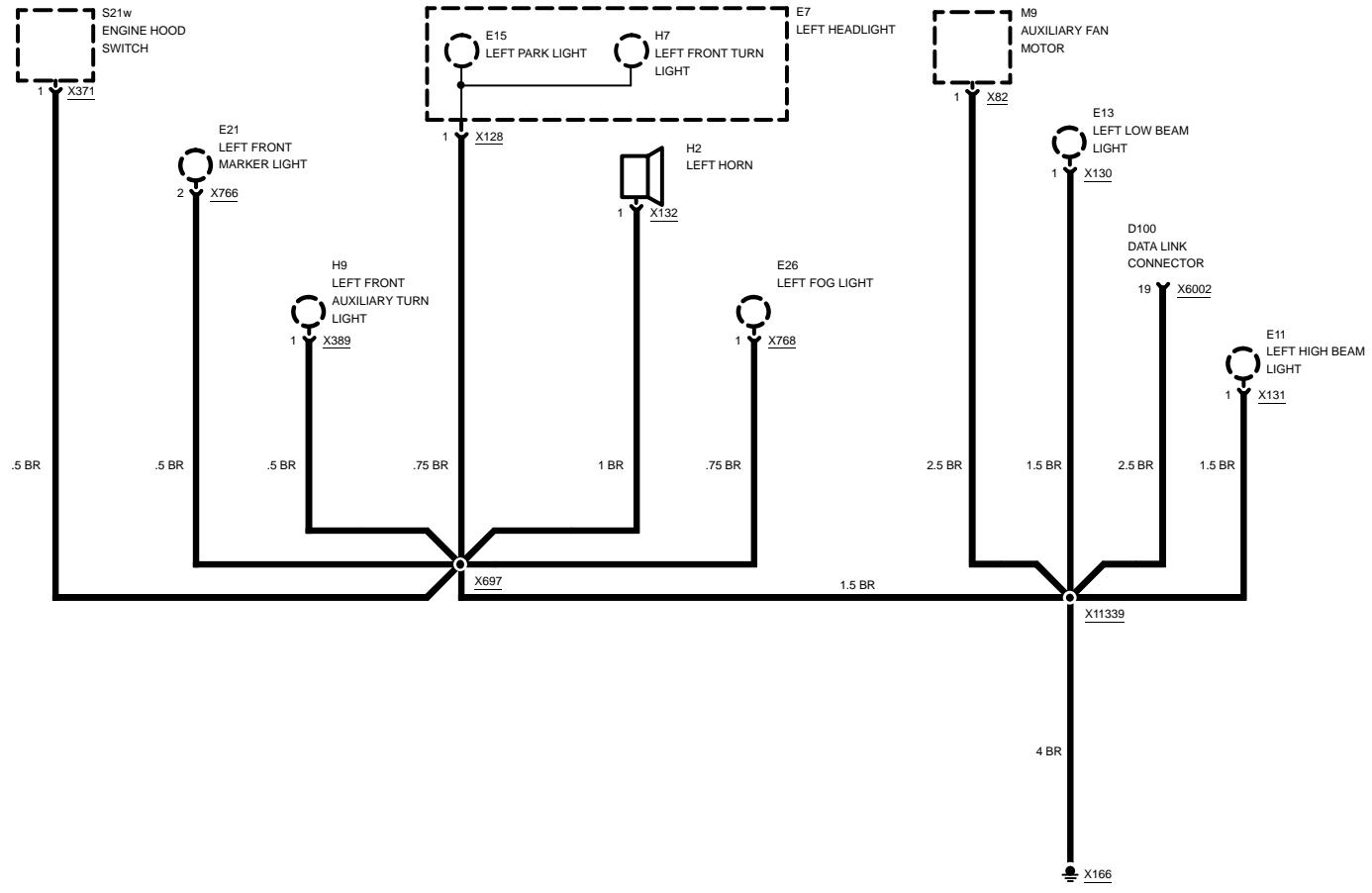
M VERSIONS



03/00

0670-4-02

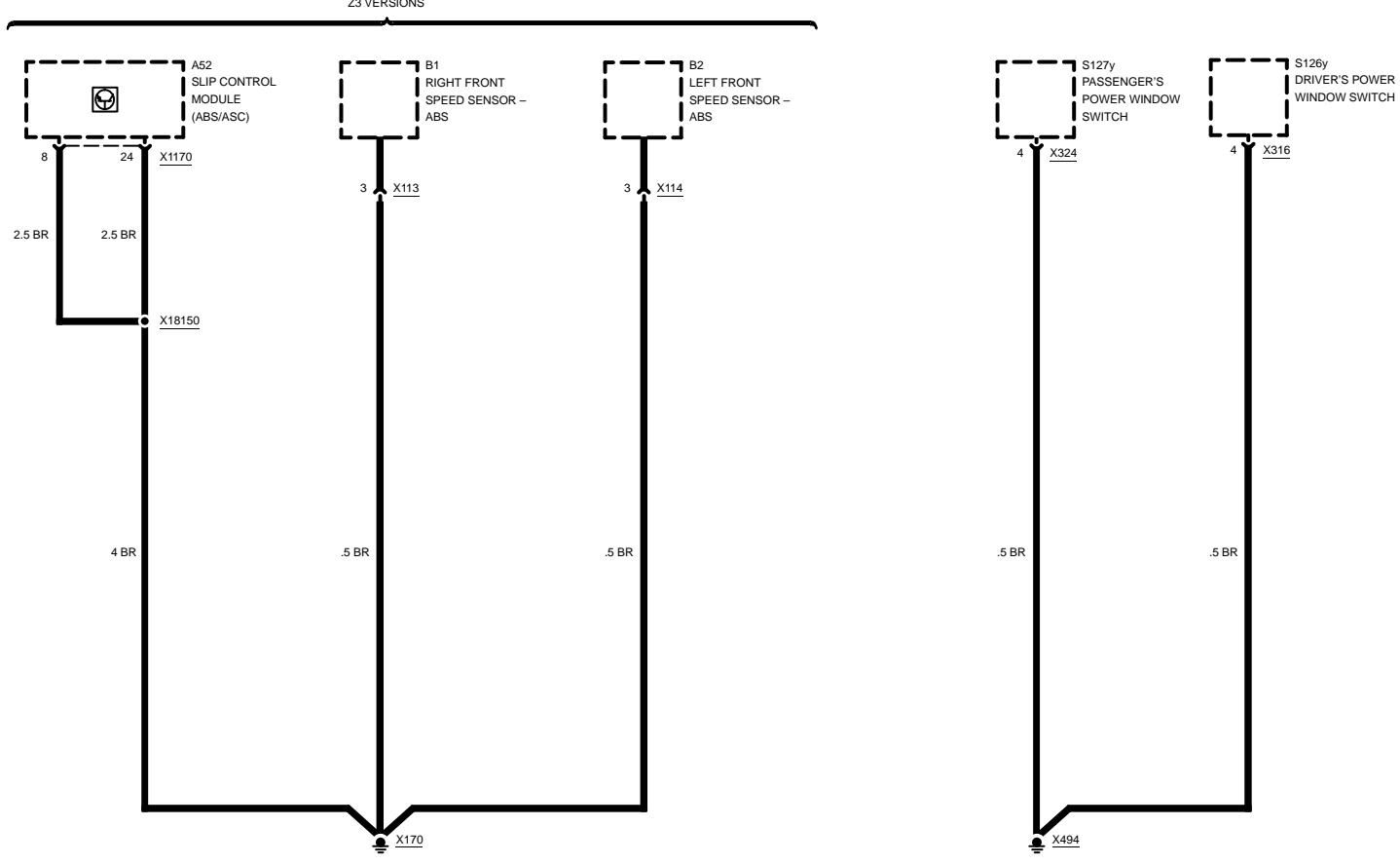
1999

GROUND DISTRIBUTION**GROUND X166****Z3****Z3 VERSIONS**

BMW
3 **GROUND DISTRIBUTION**
GROUNDS X170 AND X494

Z3

Z3 VERSIONS



03/00

0670.4-04

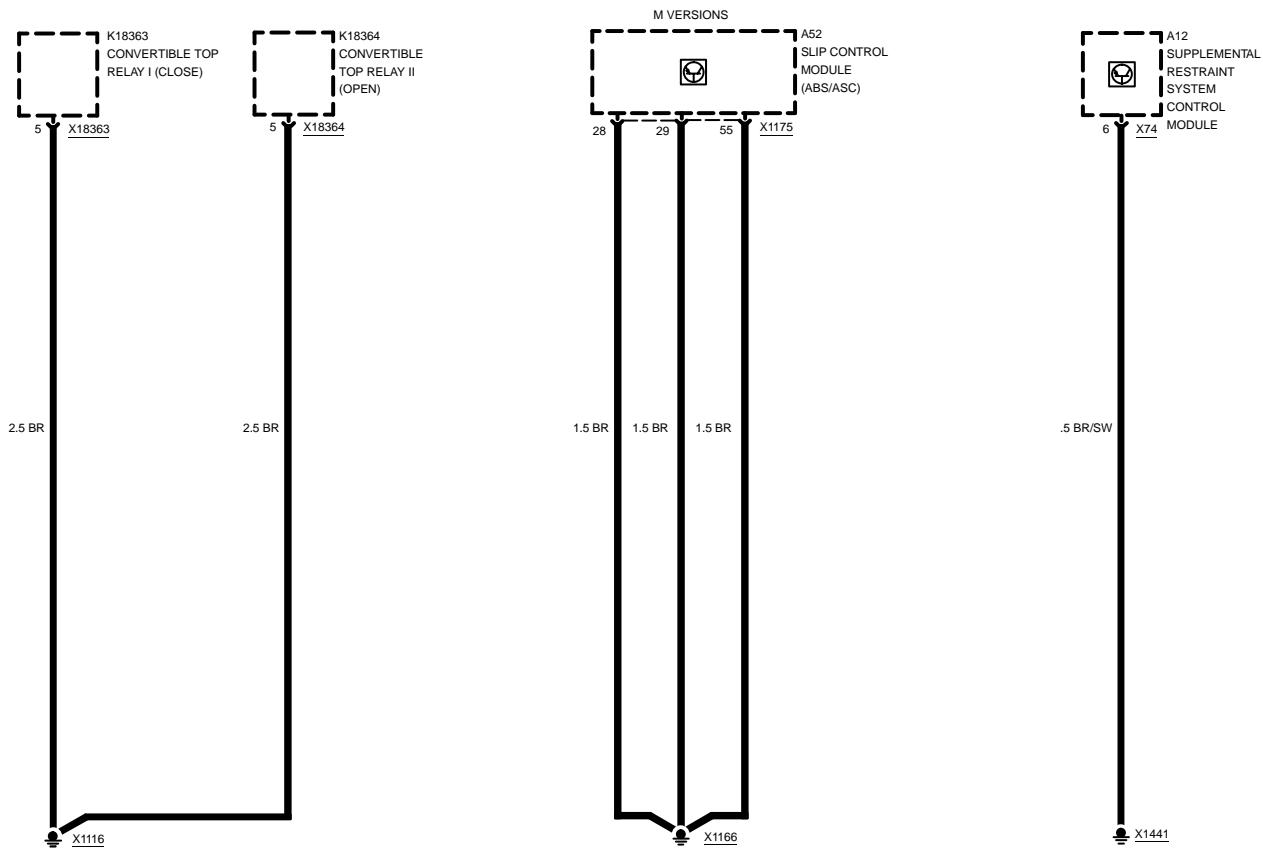
1999

GROUND DISTRIBUTION GROUNDS X1116, X1166, AND X1441

03/00

0670.4-05

1999



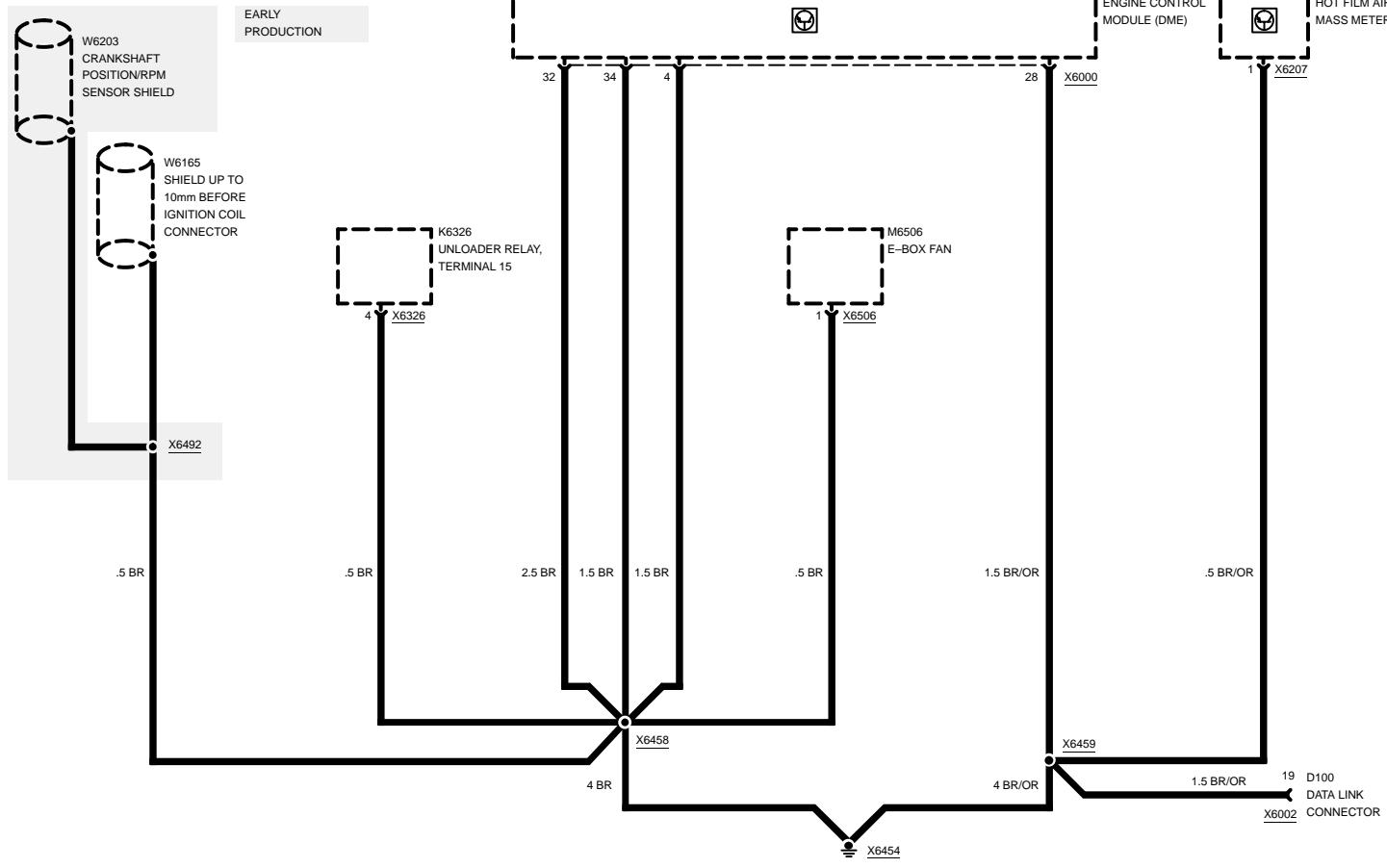
GROUND DISTRIBUTION

GROUND X6454

M VERSIONS

Z3

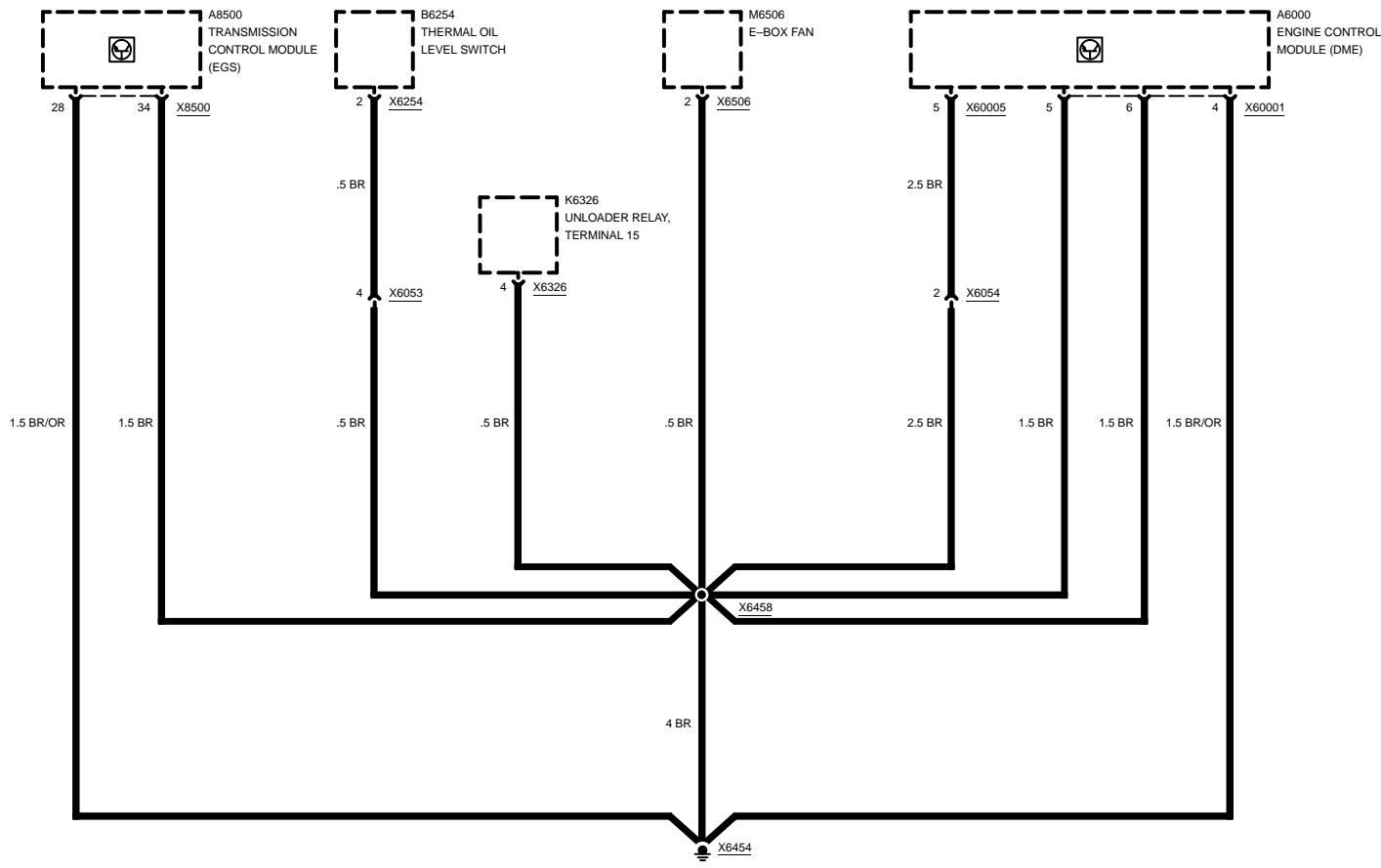
EARLY
PRODUCTION



03/00

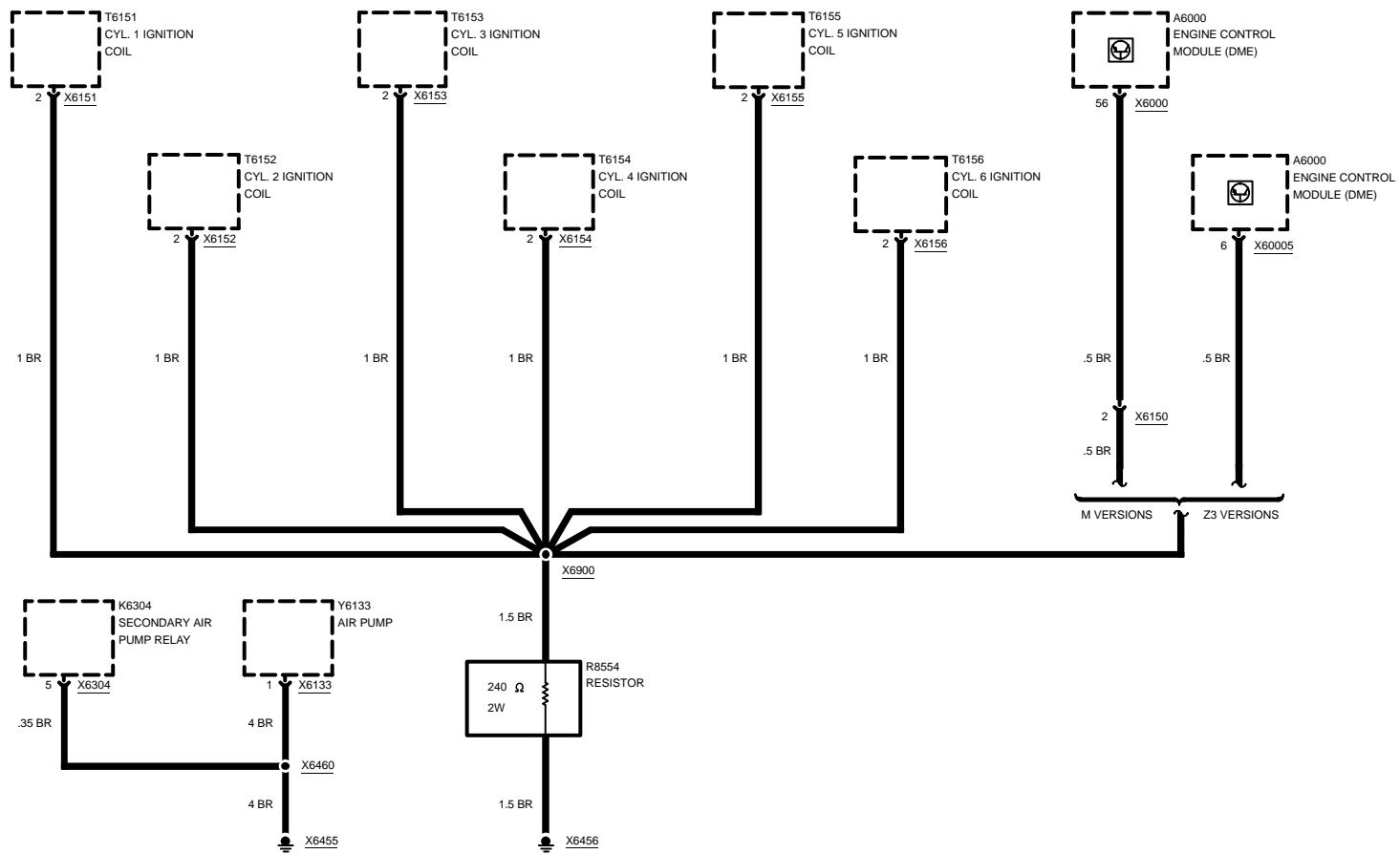
0670.4-06

1999

GROUND DISTRIBUTION**GROUND X6454****Z3****Z3 VERSIONS**

GROUND DISTRIBUTION
GROUNDS X6455 AND X6456

Z3

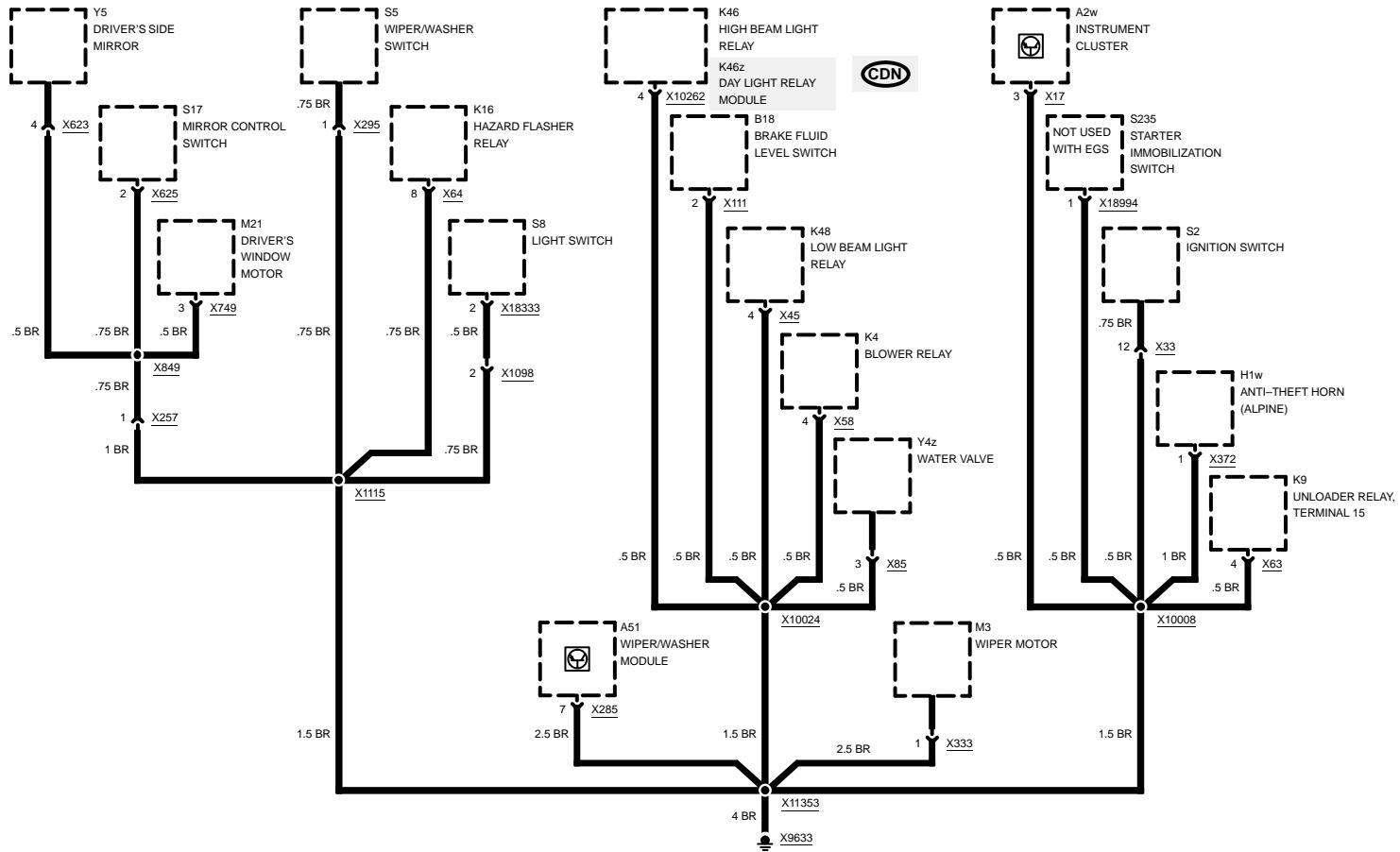


GROUND DISTRIBUTION

GROUND X9633

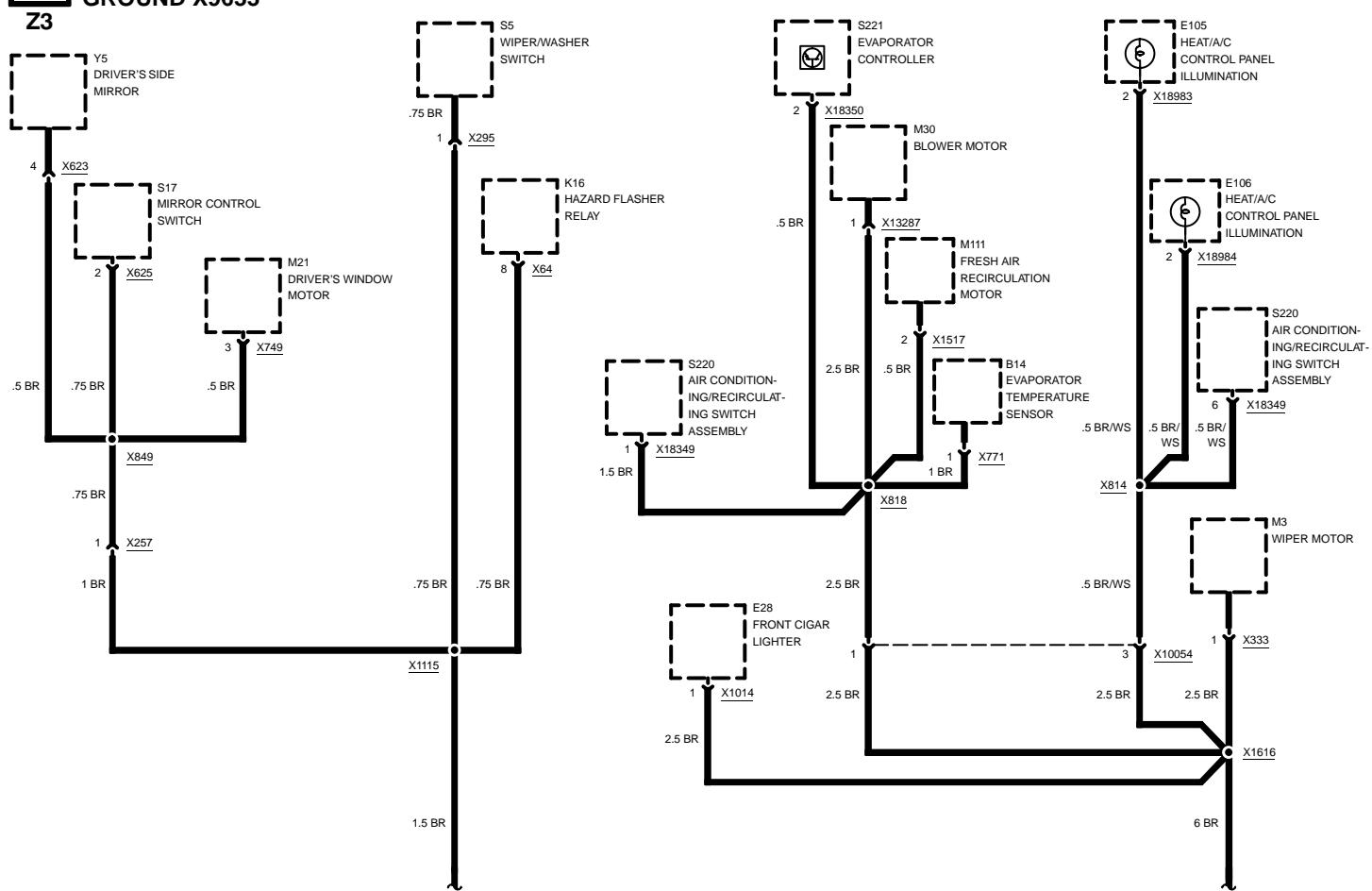
Z3

Z3 VERSIONS



BMW
3 **GROUND DISTRIBUTION**
GROUND X9633

Z3

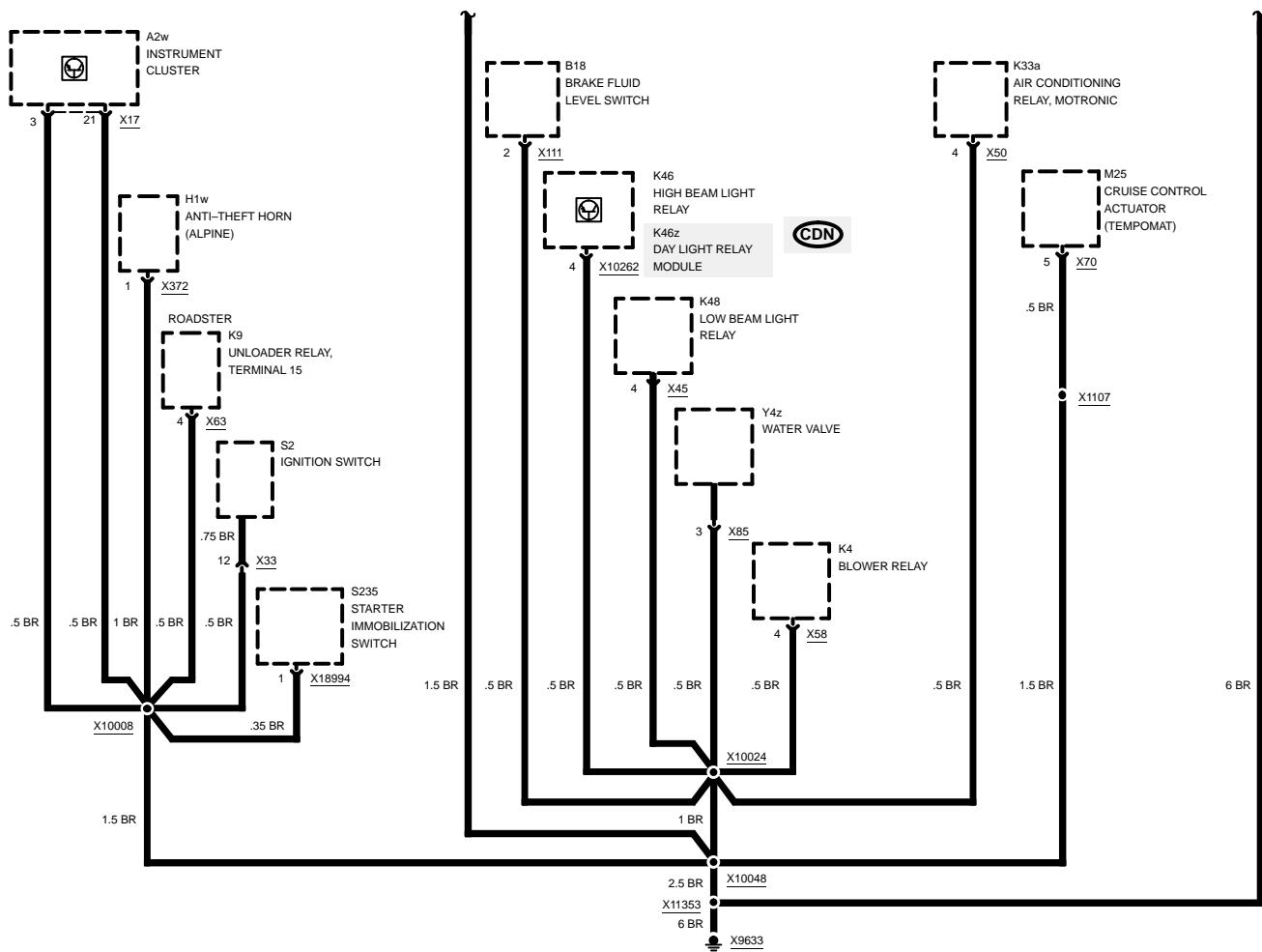


M VERSIONS

08/00

0670-4-10

1999

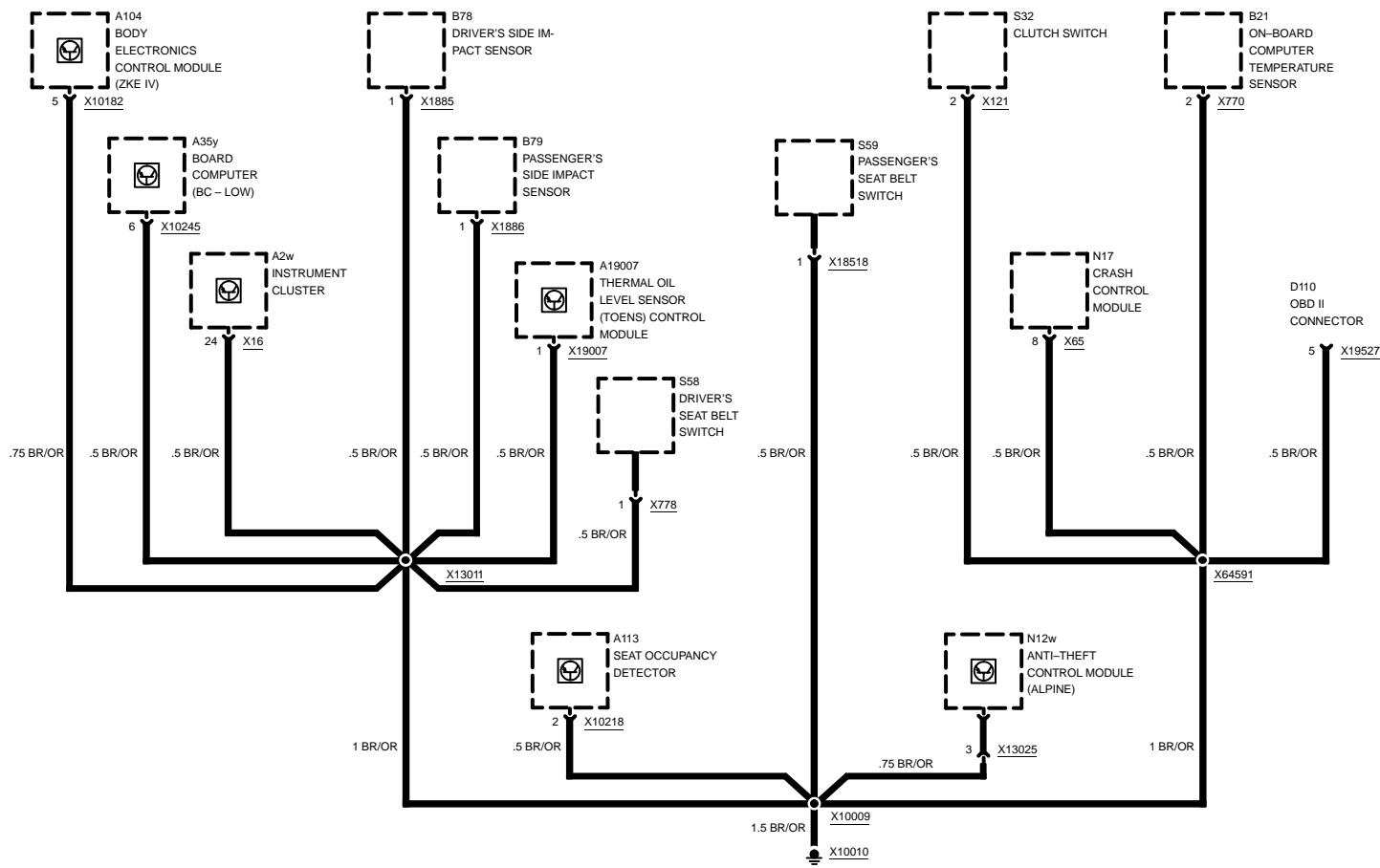


GROUND DISTRIBUTION

GROUND X10010

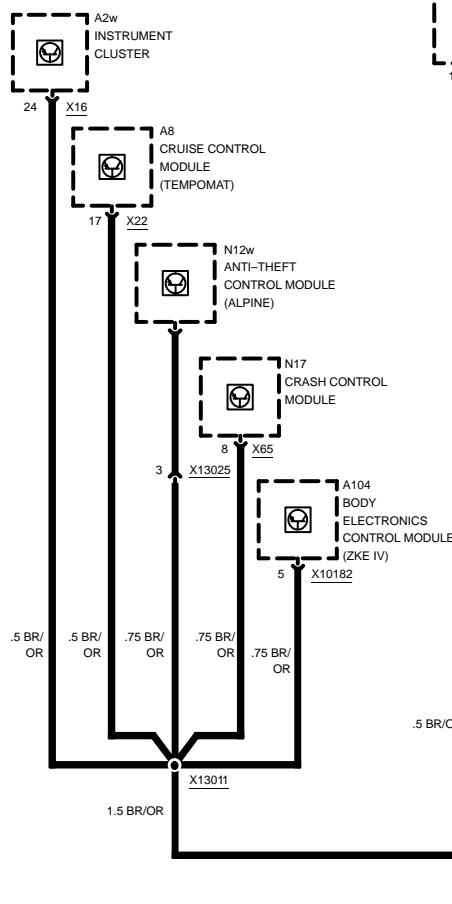
Z3

Z3 VERSIONS

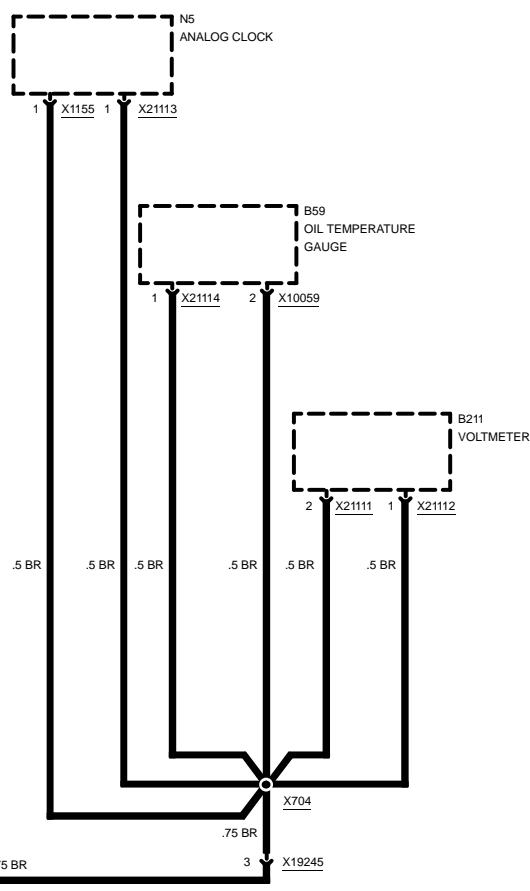


BMW
3 **GROUND DISTRIBUTION**
GROUND X10010

Z3



M VERSIONS



03/00

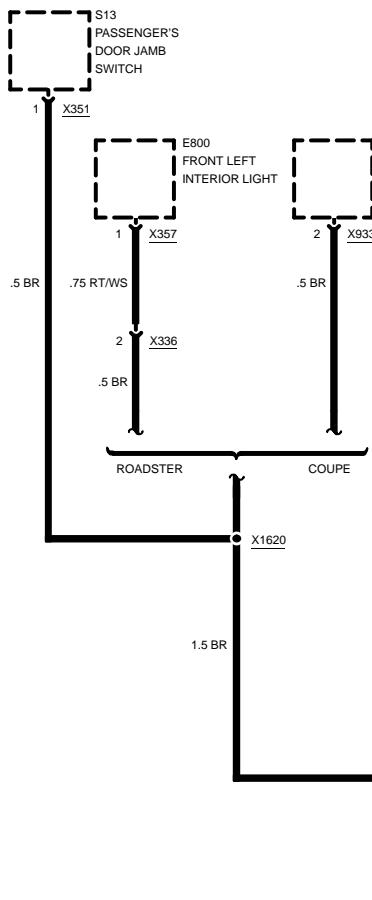
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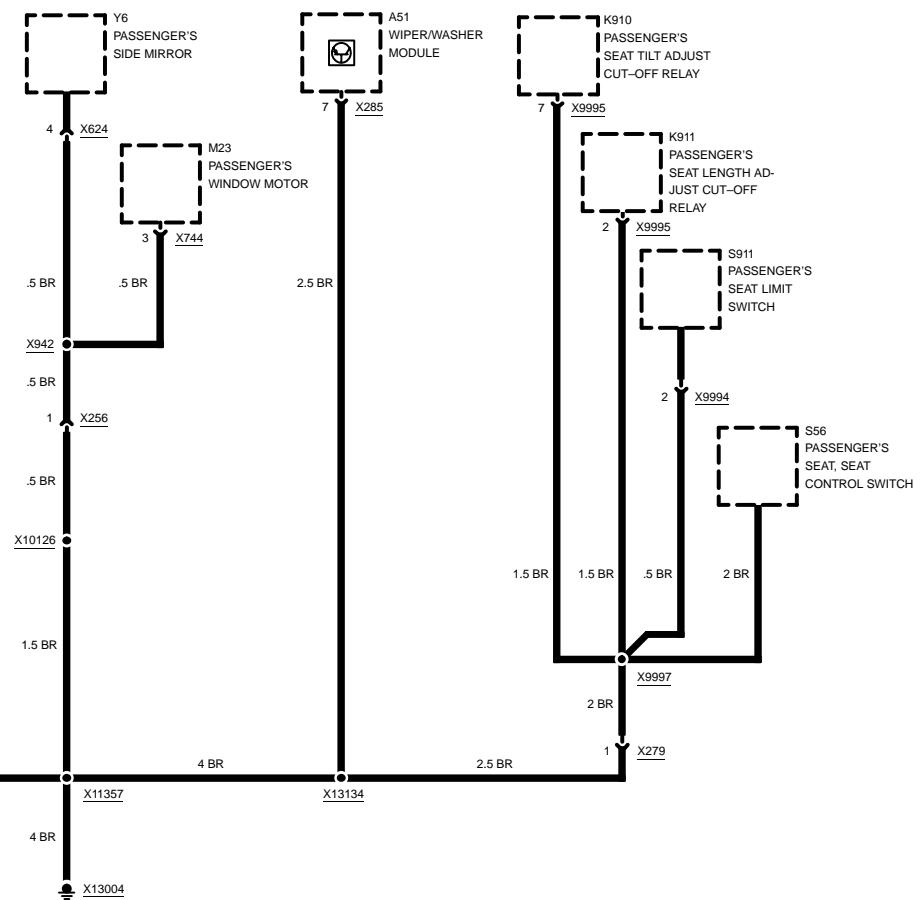
GROUND DISTRIBUTION

GROUND X13004

Z3



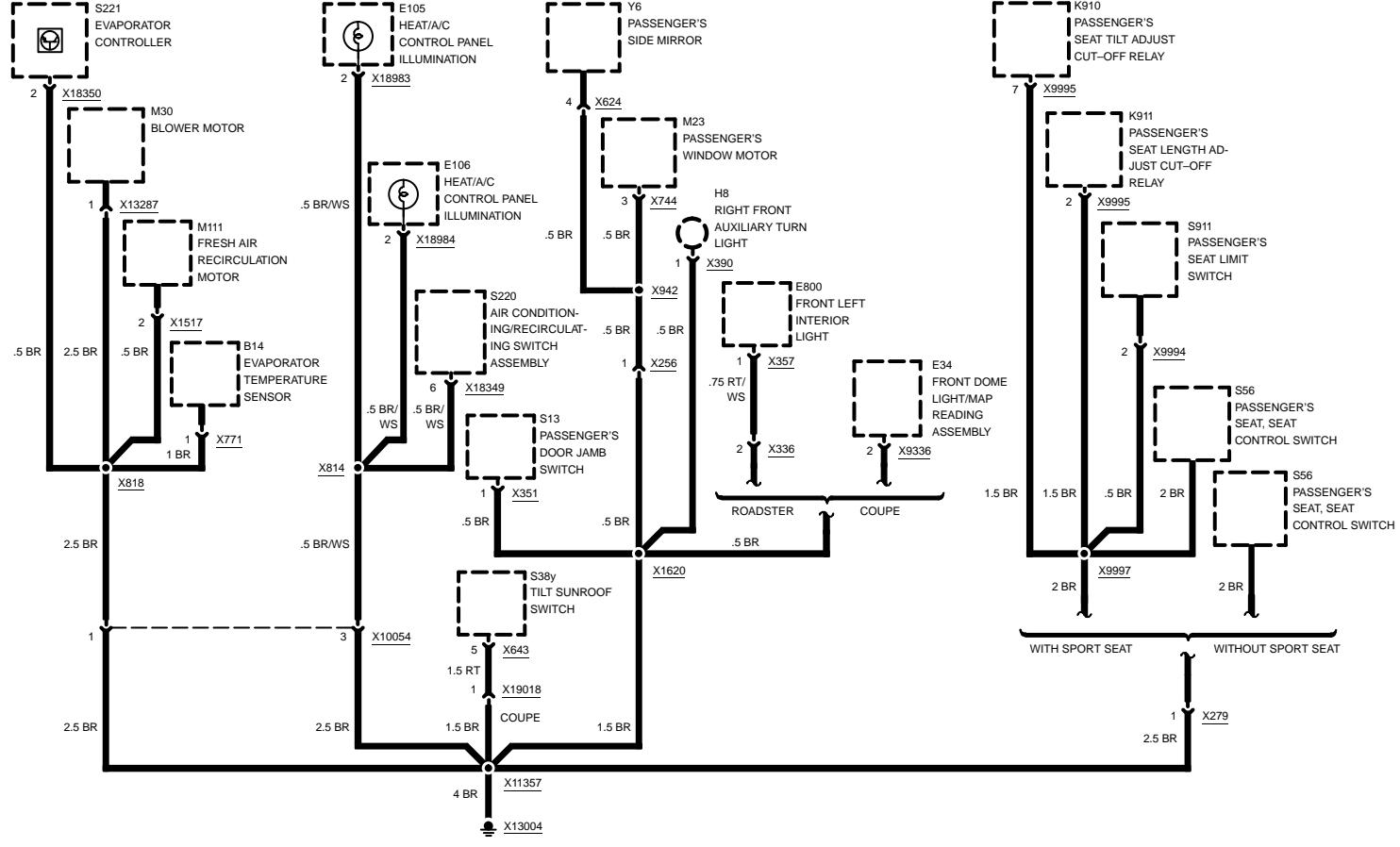
M VERSIONS



GROUND DISTRIBUTION

GROUND X13004

Z3



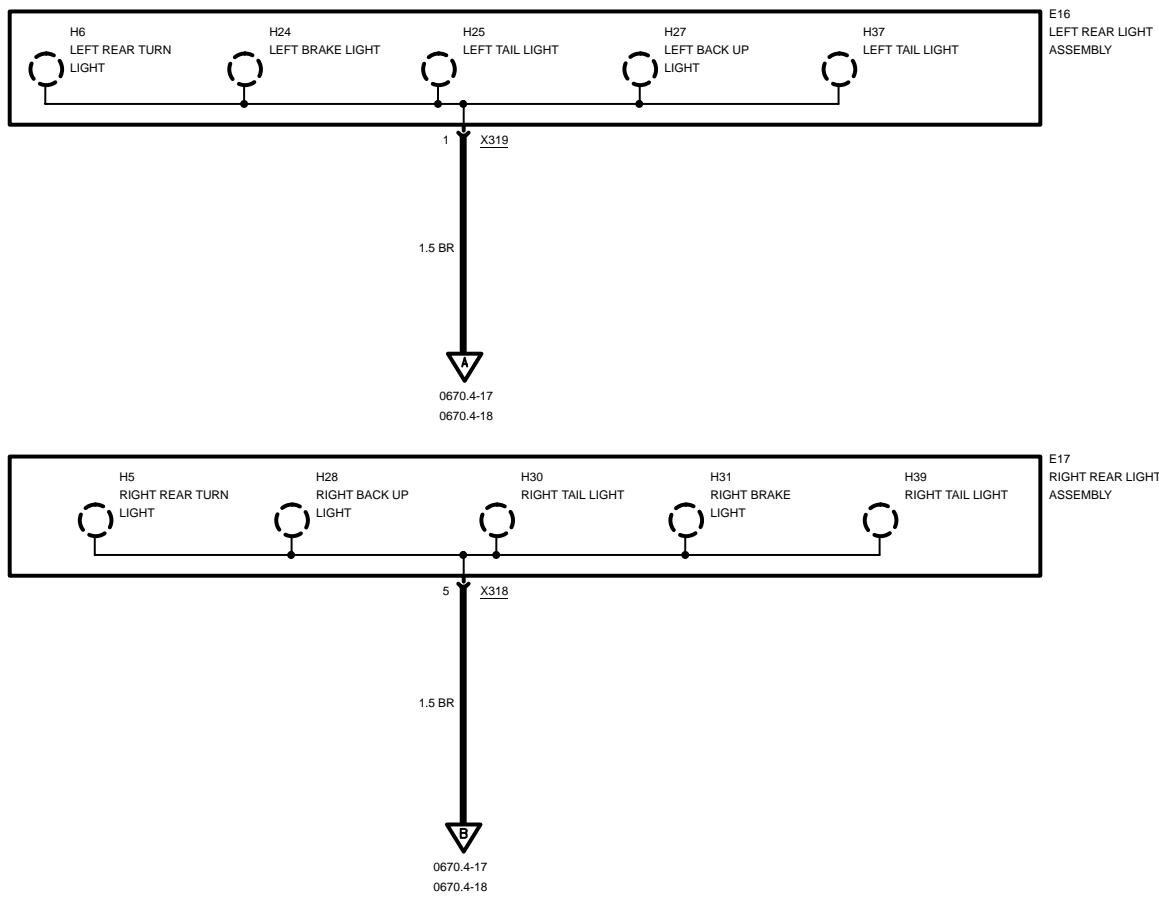
Z3 VERSIONS

GROUND DISTRIBUTION**GROUND X13006****Z3**

03/00

0670.4-16

1999

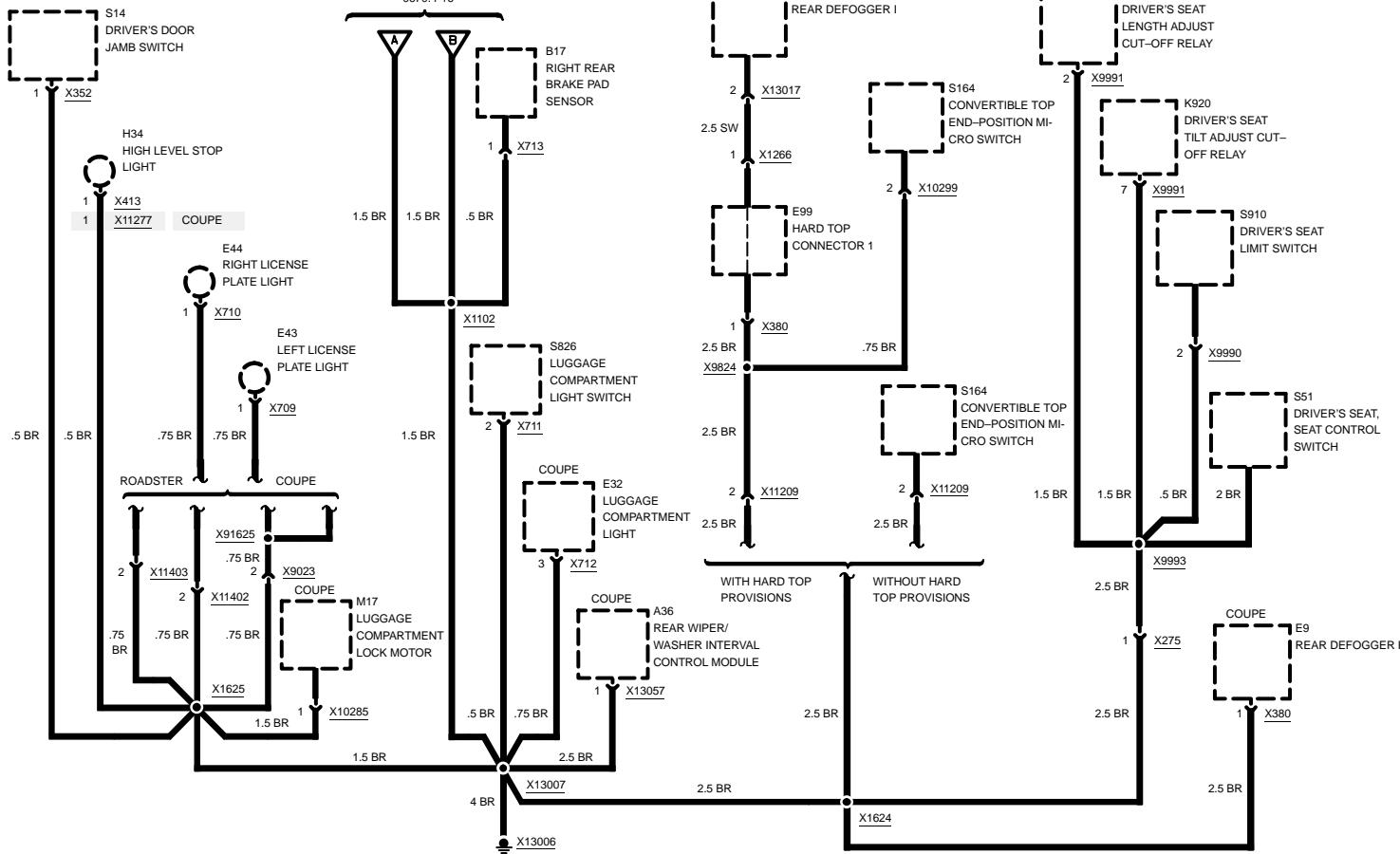


GROUND DISTRIBUTION

GROUND X13006

M VERSIONS

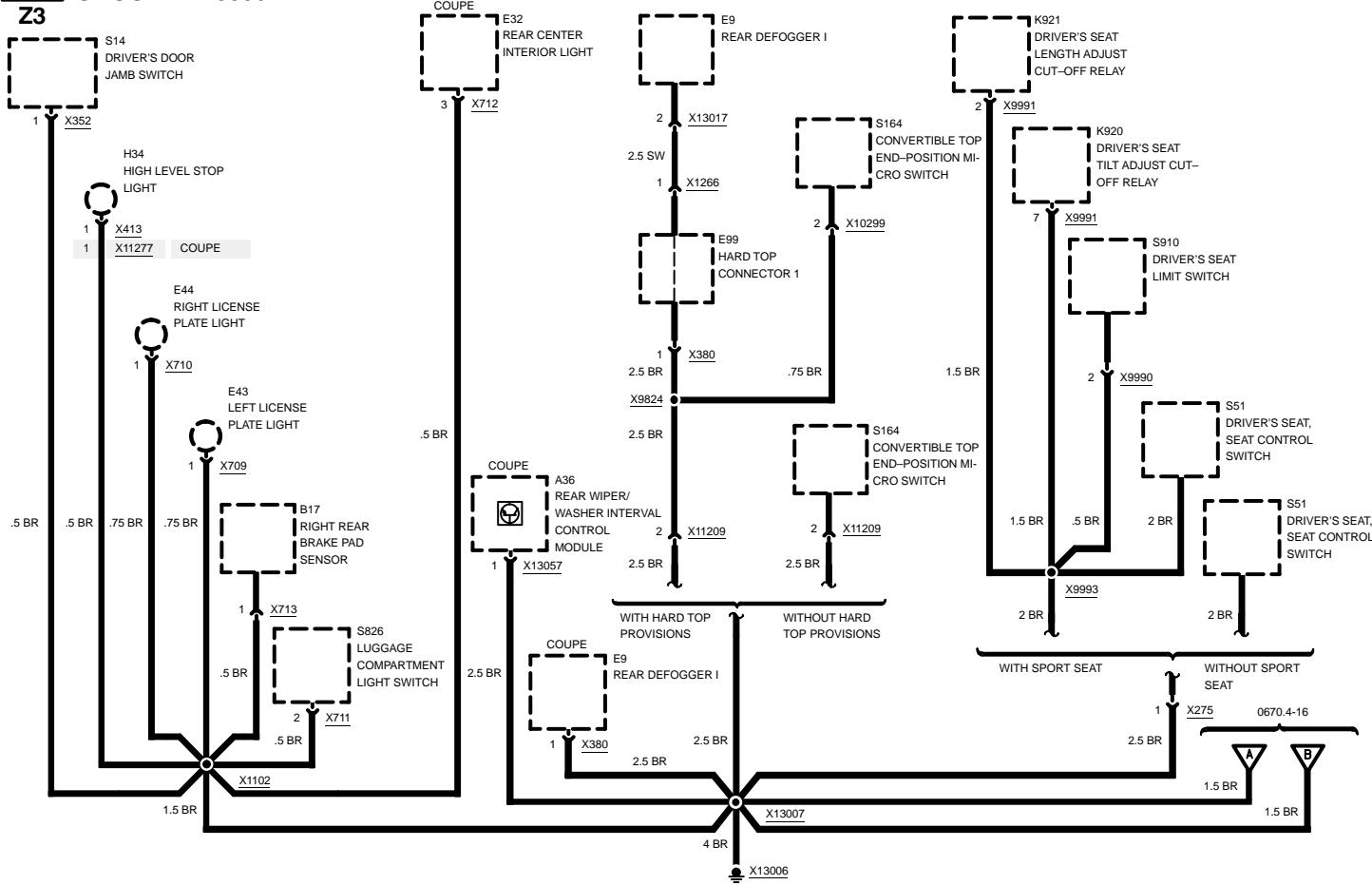
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GROUND DISTRIBUTION

GROUND X13006

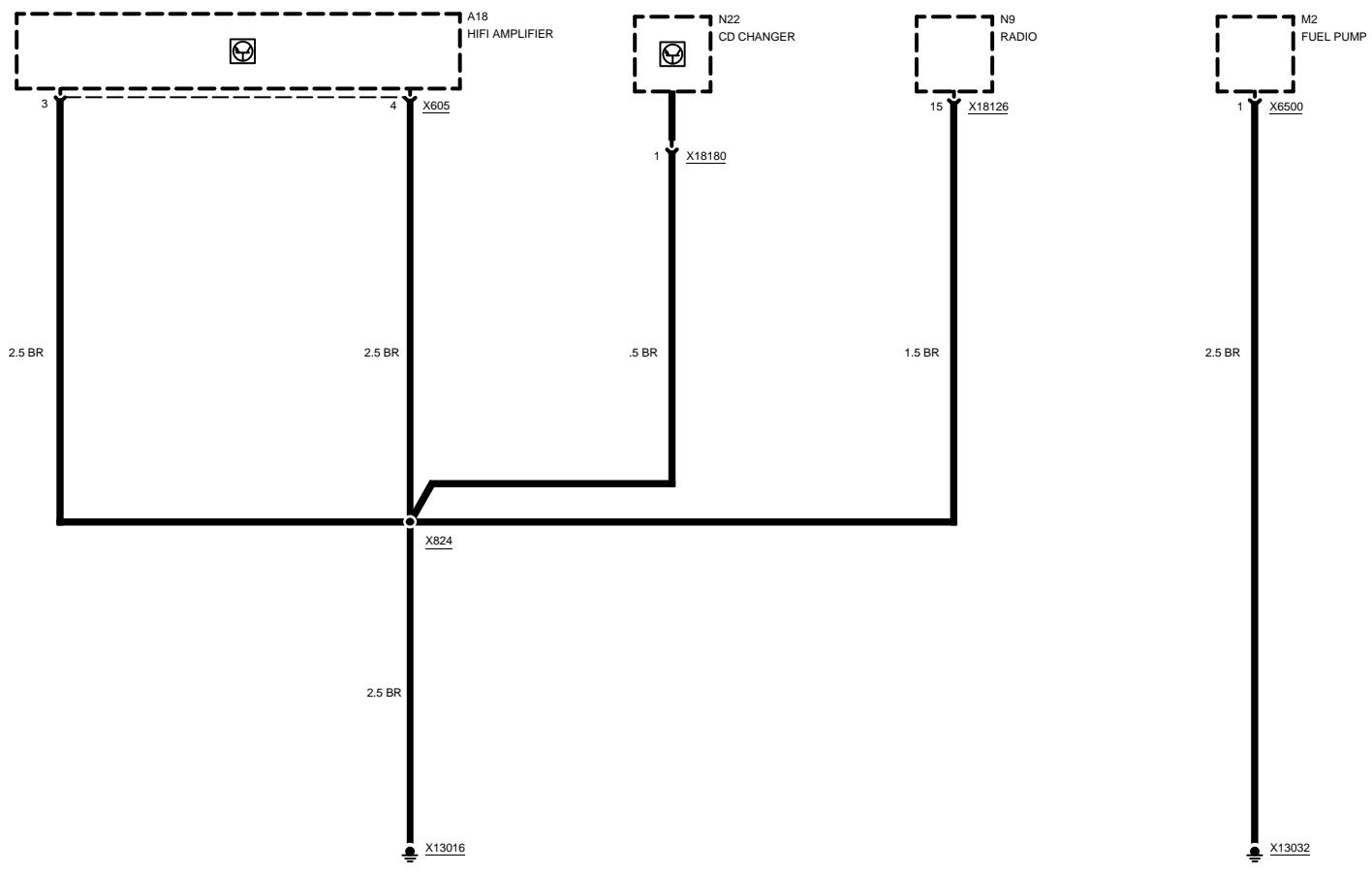
Z3 VERSIONS



BMW
3
Z3

GROUND DISTRIBUTION

GROUNDS X13016 AND X13032



03/00

0670.4-19

1999

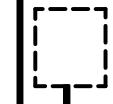
BMW
3 **GROUND DISTRIBUTION**
GROUND X18170

Z3 VERSIONS

Z3

TELEPHONE
CONNECTOR

2 X400



E57

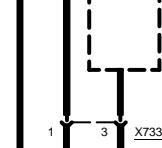
DRIVER'S SEAT
HEATER



S76

REAR WINDOW DE-
FOGGER SWITCH

X898



E56

DRIVER'S
SEATBACK
HEATER

1 X733

1 BR .5 BR .5 BR .5 BR .5 BR



.75 BR

X1805

1 X10013

.75 BR



.5 BR

X521

.5 BR



.5 BR

X740

.5 BR



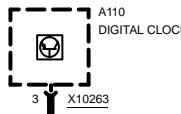
.5 BR

X1617

.5 BR

X1618

1.5 BR



A110

DIGITAL CLOCK

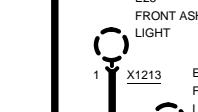
3 X10263



H10

CHIME MODULE

1 X522



E25

FRONT ASHTRAY
LIGHT

1 X1213



E29

FRONT CIGAR
LIGHTER LIGHT

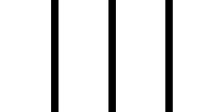
2 X532



S18

HAZARD SWITCH

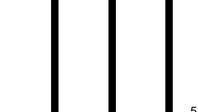
3 X516



S143

CONVERTIBLE TOP
ACTUATING
SWITCH

1 X13045



1.5 BR

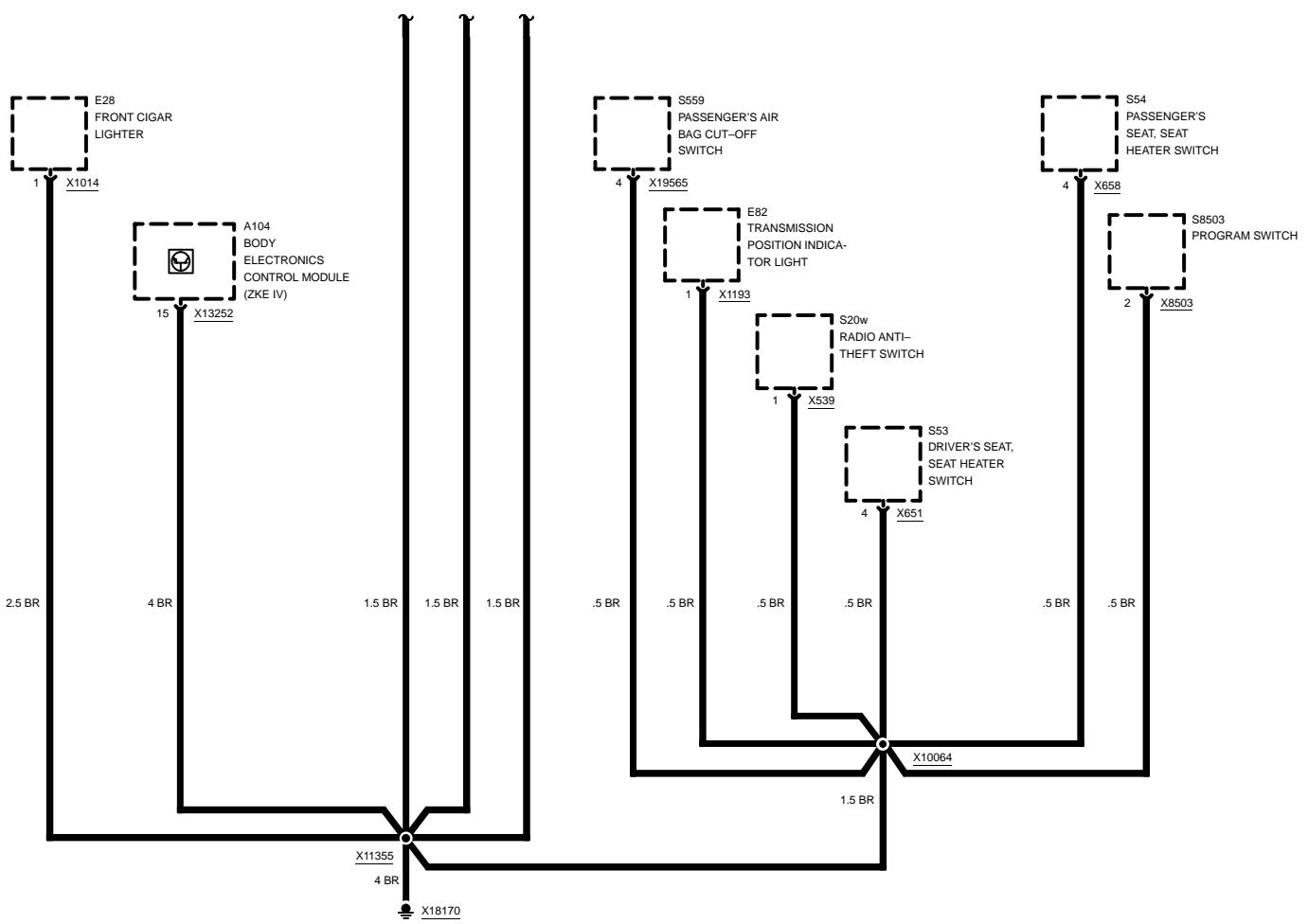
X13047

1.5 BR

03/00

0670.4-20

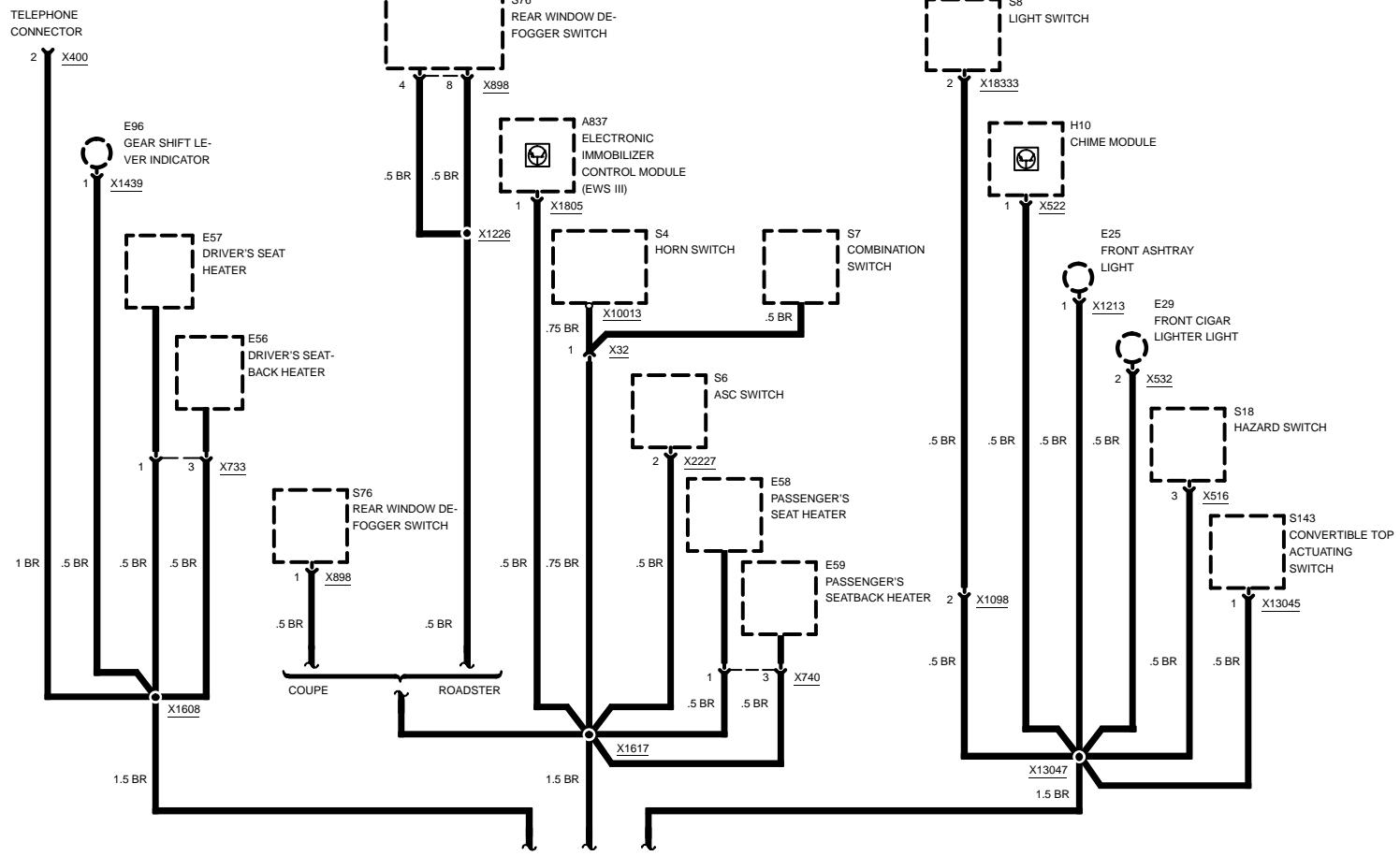
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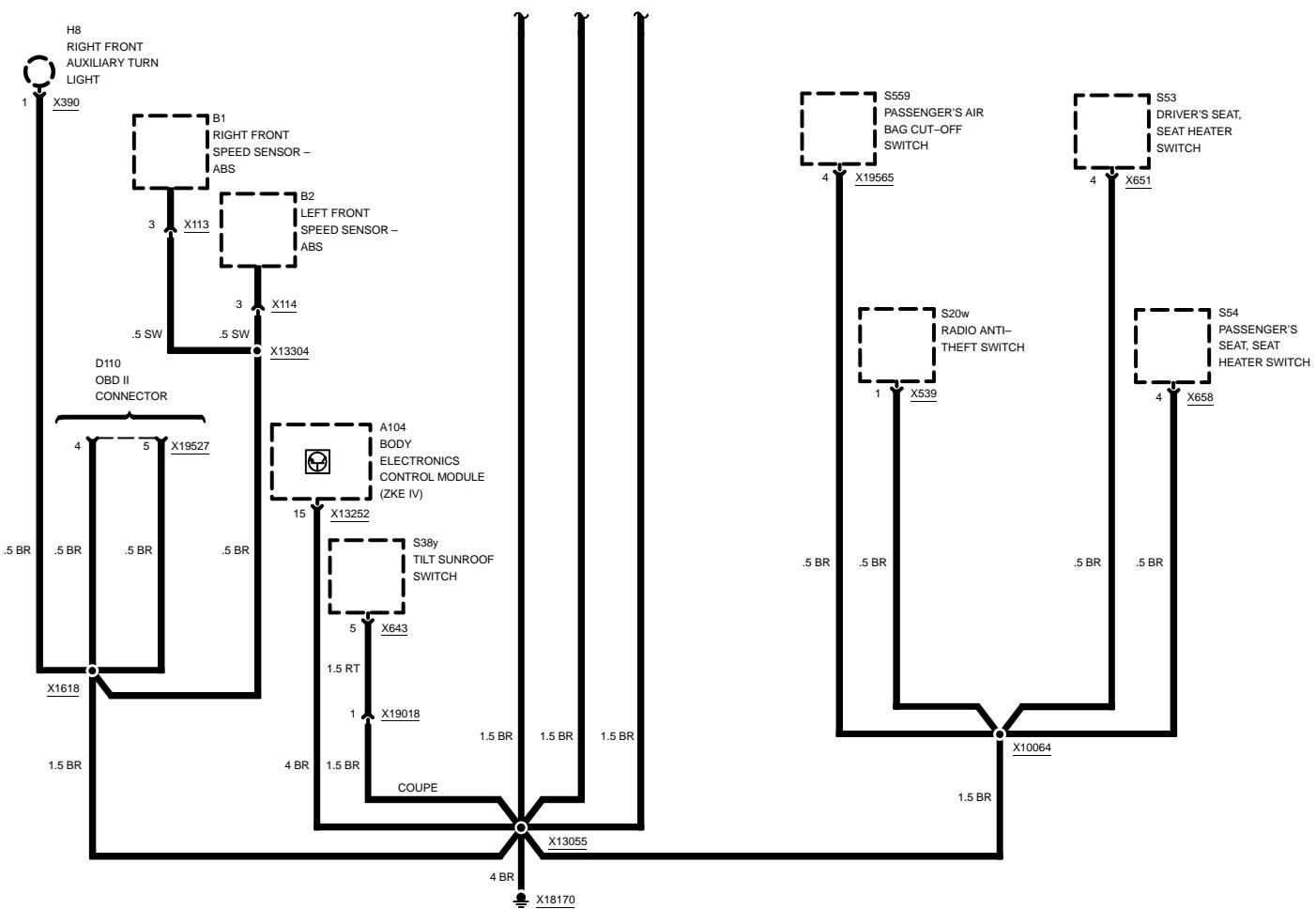


GROUND DISTRIBUTION

GROUND X18170

M VERSIONS



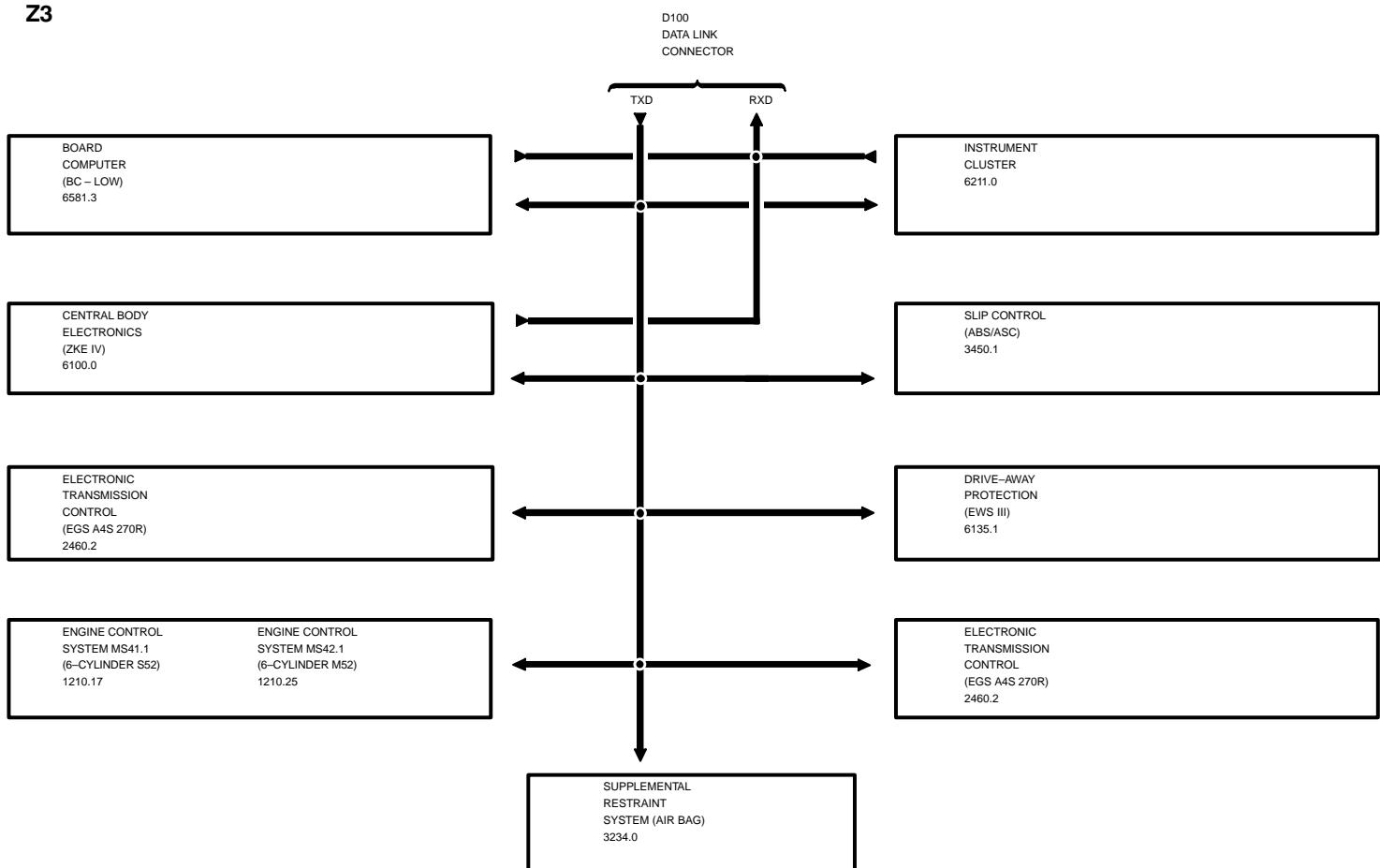


BMW **3** **0670.5 DATA LINK**
BLOCK DIAGRAM
Z3

03/00

0670.5-00

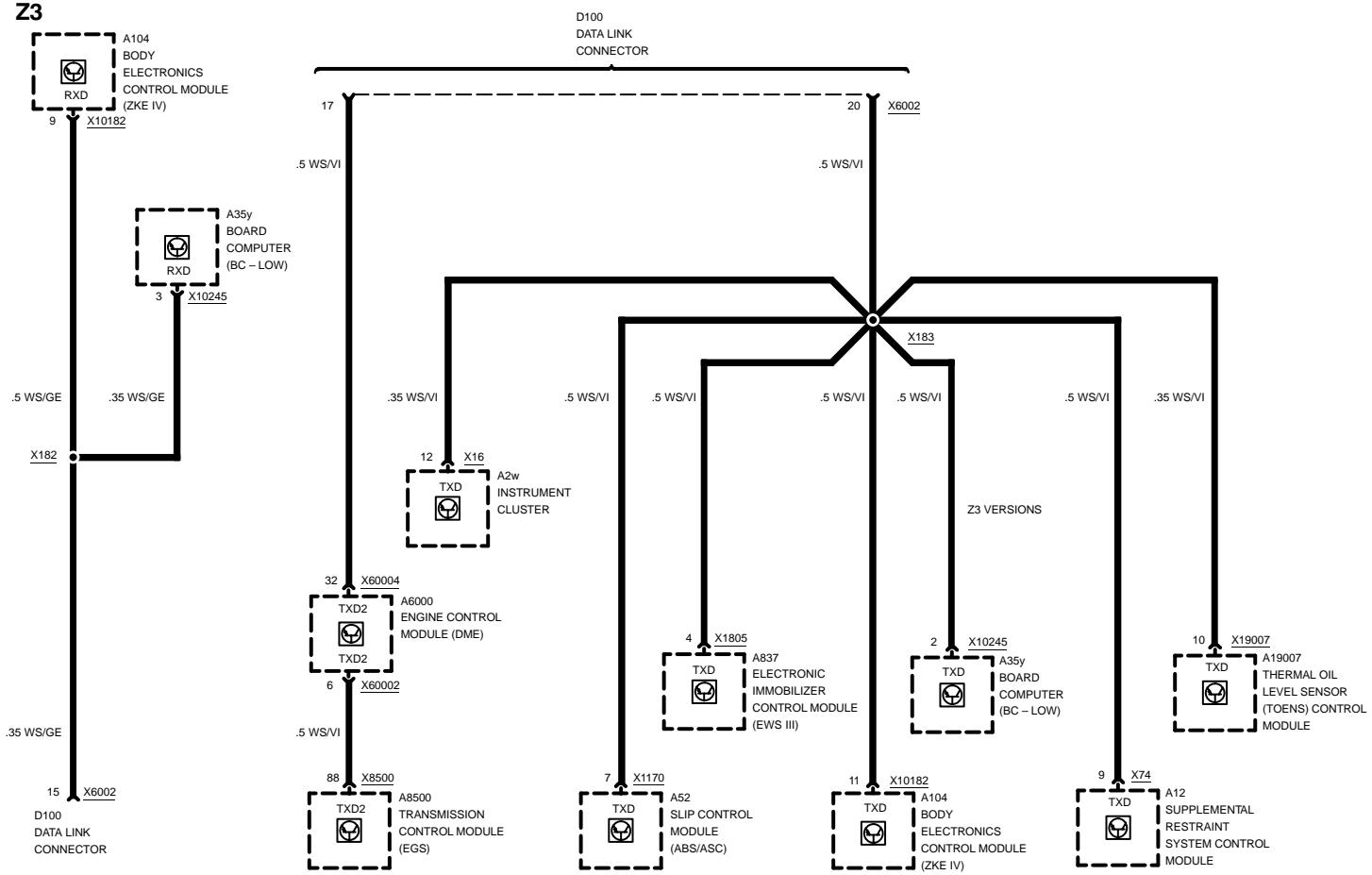
1999



BMW
3 DATA LINK
RXD AND TXD

Z3 VERSIONS

Z3



03/00

0670.5-01

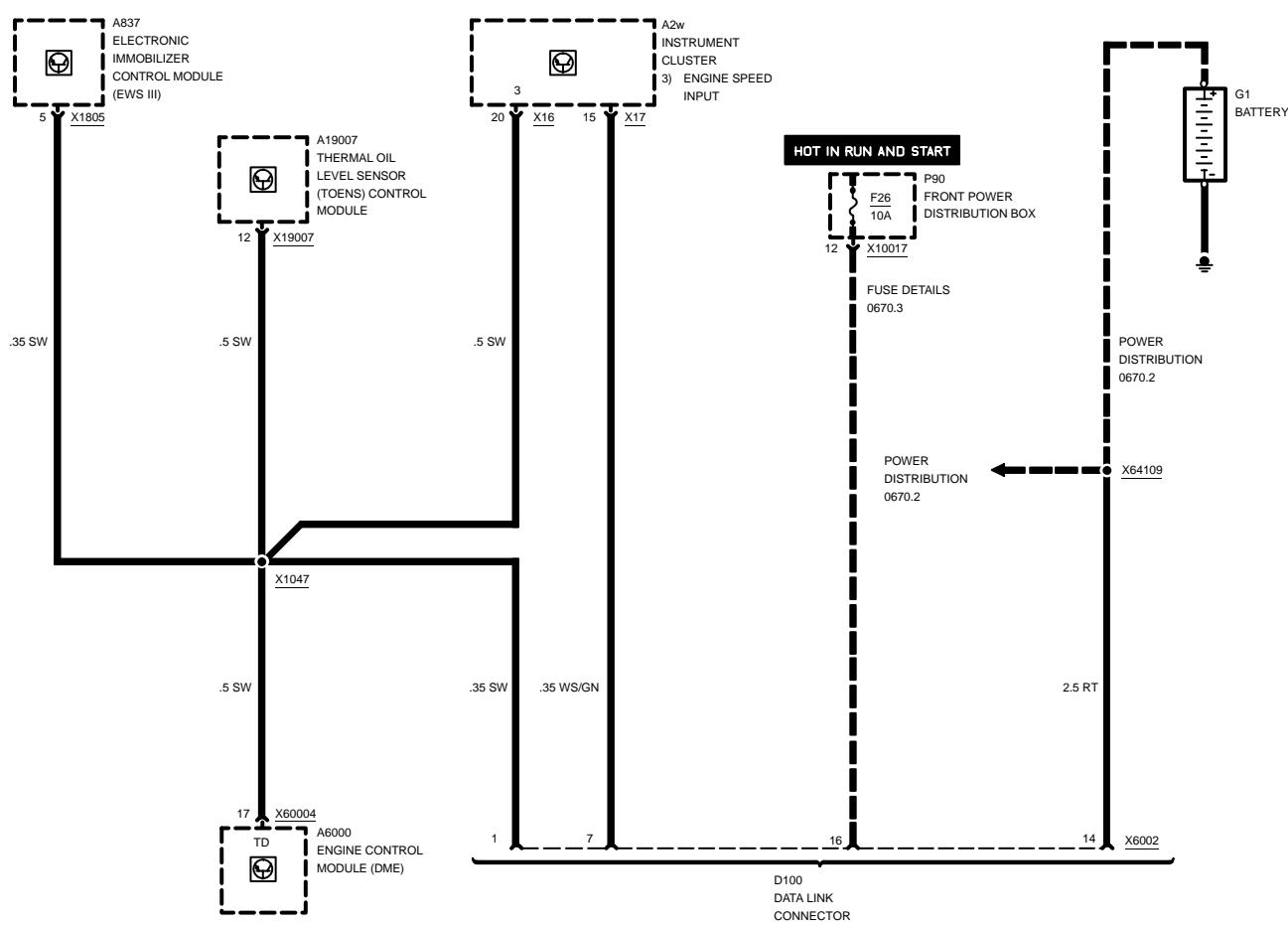
1999

BMW 3 DATA LINK

Z3

DATA LINK CONNECTOR, PINS 1, 7, 14, AND 16

Z3 VERSIONS



03/00

0670.5-02

1999

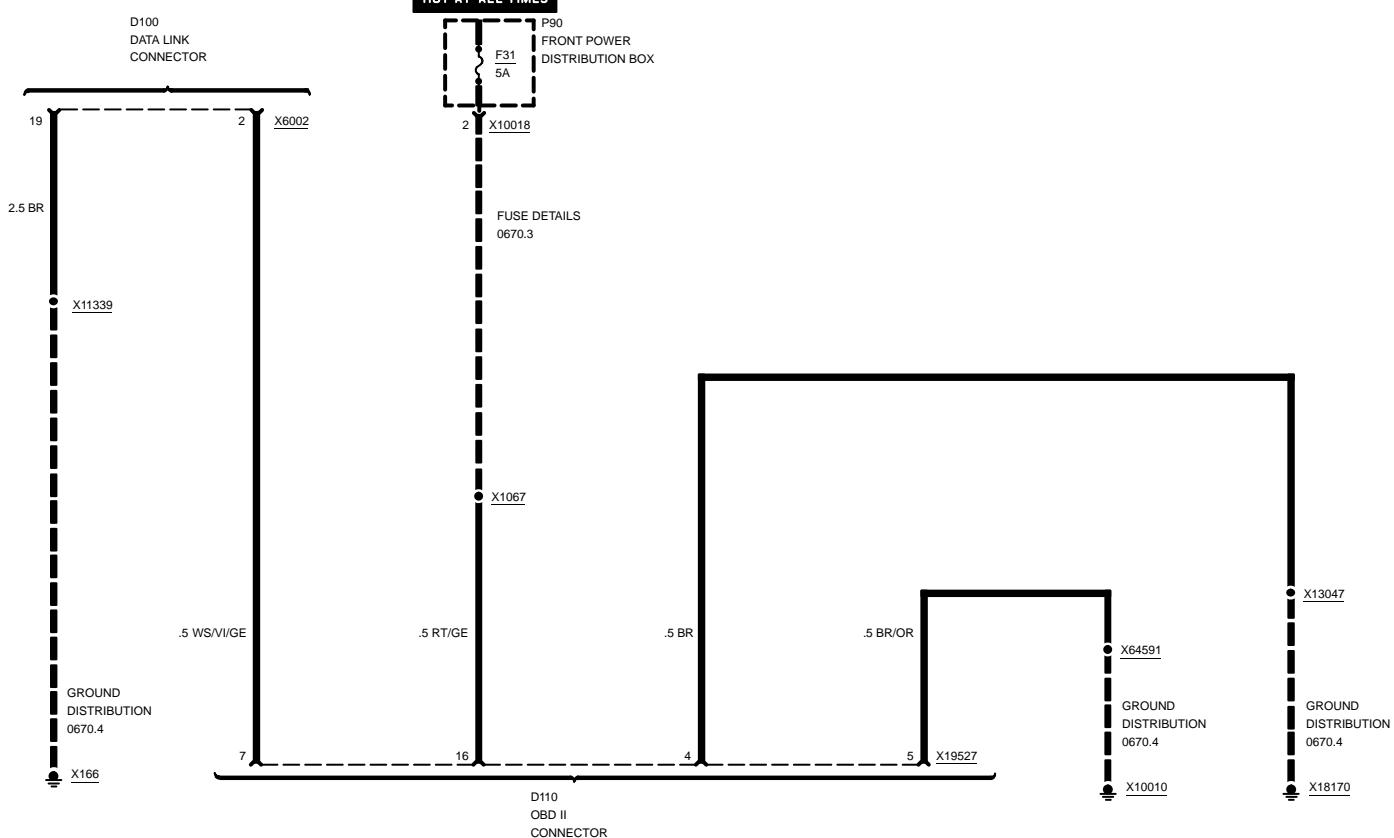
BMW
3
Z3

DATA LINK

Z3 VERSIONS

DATA LINK CONNECTOR, PINS 2 AND 19, AND OBD II CONNECTOR

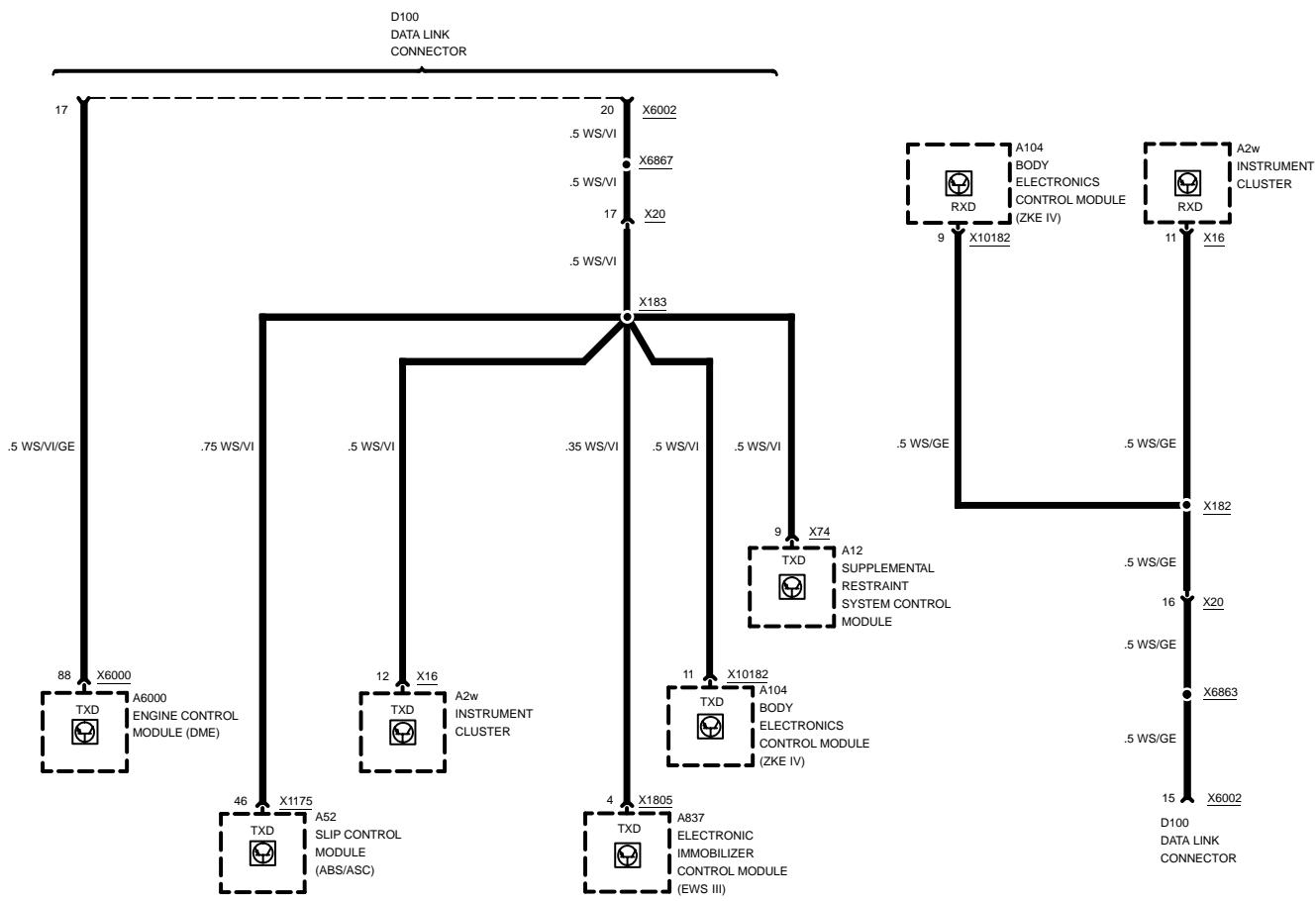
Z3



03/00

0670.5-03

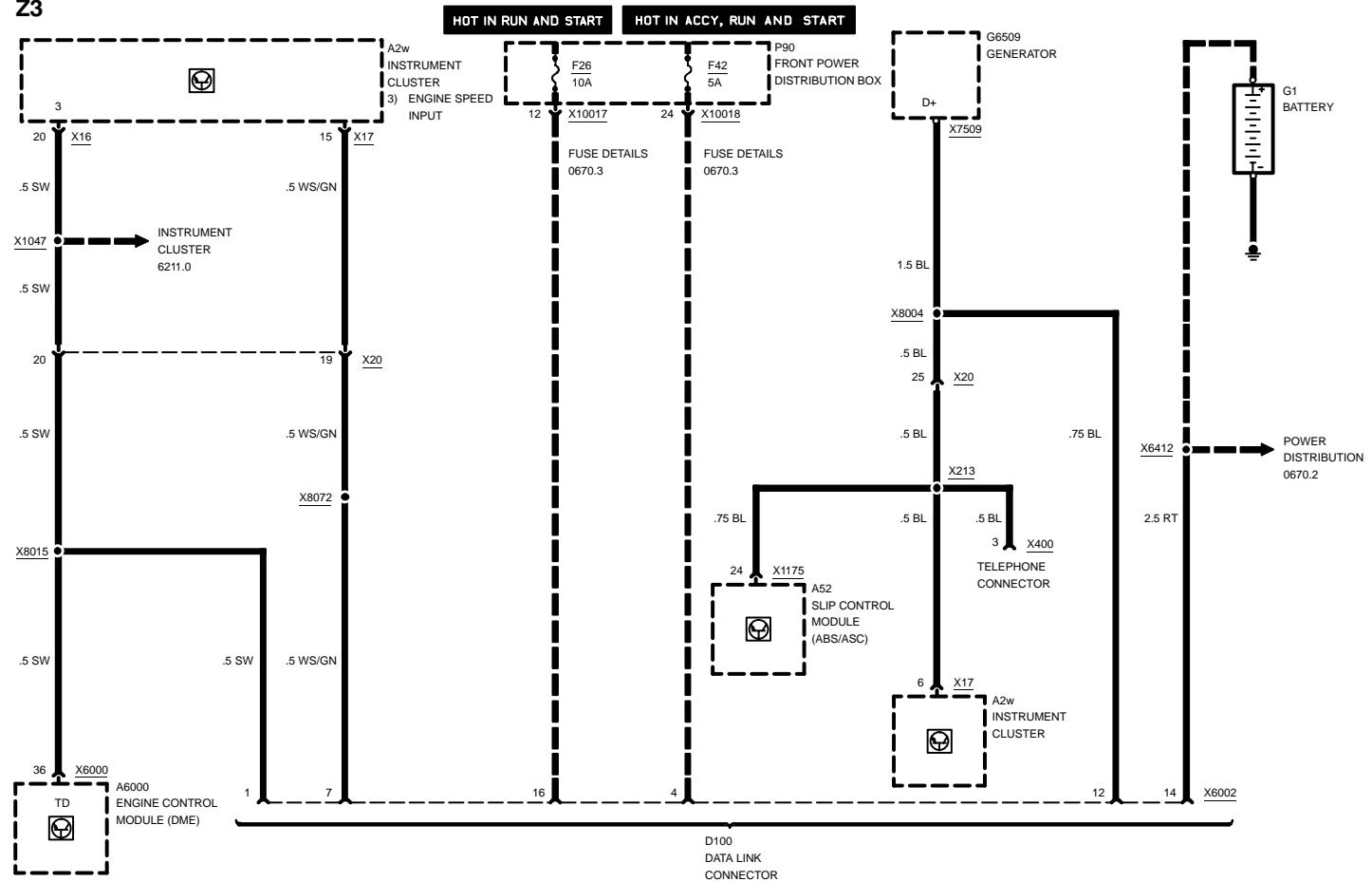
1999



BMW 3 DATA LINK

M VERSIONS DATA LINK CONNECTOR, PINS 1, 7, 16, 4, 12, AND 14

Z3



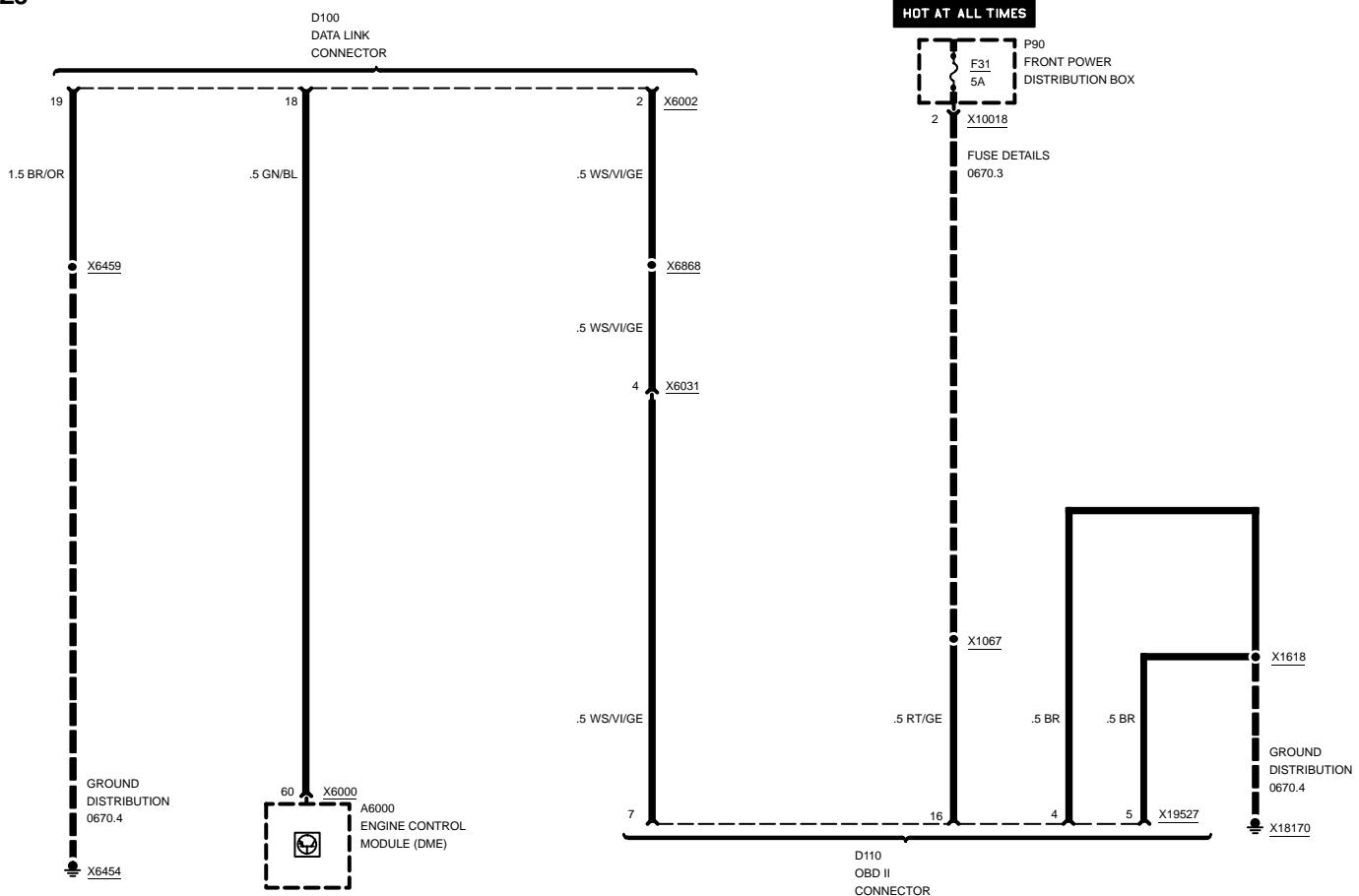
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BMW
3
Z3 **DATA LINK**

M VERSIONS



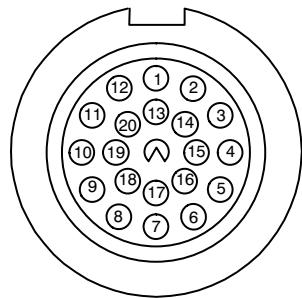
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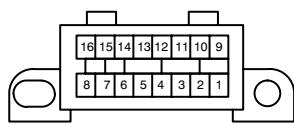
1999

BMW 3 DATA LINK

Z3



BRIDGES IN CAP
OF D100 DATA LINK
CONNECTOR



BRIDGE IN CAP OF
D110 OBD II
CONNECTOR



PIN NUMBER	TERMINAL NUMBER	TERMINAL DESCRIPTION	WIRE COLOR
1	TD	ENGINE	SW
2	TXD2	DIAGNOSTIC DATA LINK	WS/VI/GE
3	—	NOT OCCUPIED	
*4	R	VOLTAGE: HOT IN ACCY, RUN AND START	VI/GN
5	—	NOT OCCUPIED	
6	—	NOT OCCUPIED	
7	SI	SERVICE INTERVAL RESET	WS/GN
8	—	NOT OCCUPIED	
9	—	NOT OCCUPIED	
10	—	NOT OCCUPIED	
11	—	NOT OCCUPIED	
*12	61(D+)	GENERATOR CHARGE INDICATOR	BL
13	—	NOT OCCUPIED	
14	30	VOLTAGE: HOT AT ALL TIMES	RT
15	RXD	DIAGNOSTIC DATA LINK	WS/GE
16	15S	VOLTAGE: IGNITION SWITCH IN RUN AND START	GN/WS
17	TXD2	DIAGNOSTIC DATA LINK	WS/VI (*WS/VI/GE)
*18	PGSP	PROGRAM SELECT FOR ENGINE CONTROL MODULE (DME)	GN/BL
19	31	GROUND	BR (*BR/OR)
20	TXD	DIAGNOSTIC DATA LINK	WS/VI

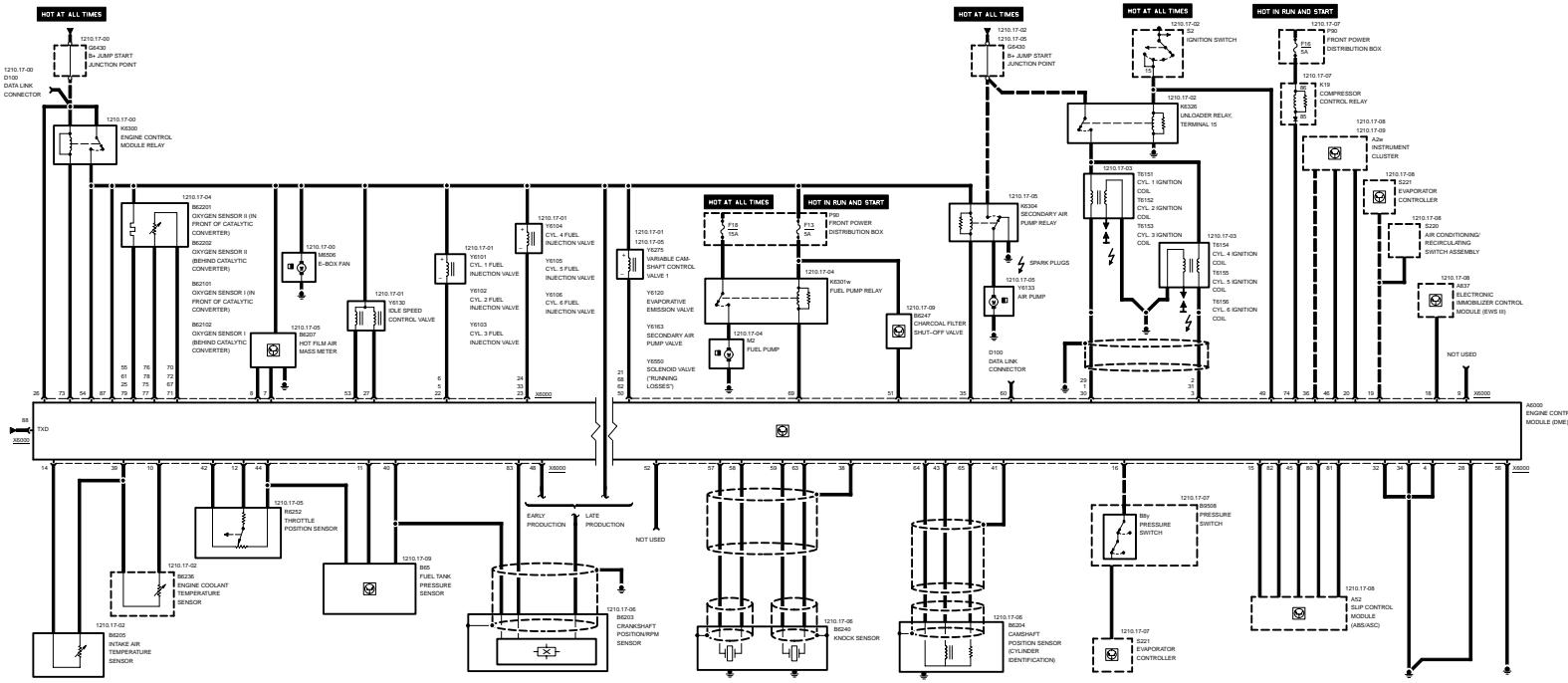
M VERSIONS

1210.17 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)

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1210.17

1999





03/00

1210.17-a

1999

Z3



Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
2	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
3	A	Cyl. 6 ignition coil control	Cyl. 6 ignition coil
4	M	Ground	Ground point
5	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
6	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
7	M	Ground	Hot wire air mass meter
8	E	Hot wire air mass meter	Hot wire air mass meter
9	E	TI-measurement signal (fuel consumption)	Not used
10	E	Engine coolant temperature	Engine coolant temperature sensor
11	E	Fuel tank pressure	Fuel tank pressure sensor
12	E	Throttle position signal	Throttle position sensor
13		Not used	
14	E	Intake air temperature	Intake air temperature sensor
15	E	Speed signal right rear	ABS/ASC control module
16	E	Activate A/C	Pressure switch
17		Not used	
18	E	Drive away protection signal (code)	Electronic immobilizer control module (EWS III)
19	E	A/C-ON-signal	Air conditioning operating unit
20	A	"Check engine" indicator control	Instrument cluster
21	A	Camshaft control	Variable camshaft control valve
22	A	Cyl. 3 fuel injection valve control	Cyl. 3 fuel injection valve
23	A	Cyl. 6 fuel injection valve control	Cyl. 6 fuel injection valve
24	A	Cyl. 4 fuel injection valve control	Cyl. 4 fuel injection valve
25	M	Oxygen sensor heating ground	Oxygen sensor I (in front of catalytic converter)
26	E	Battery voltage	B+ jump start junction point
27	A	Activate valve	Idle speed control valve
28	M	Ground	Ground point
29	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil

E = Input, A = Output, M = Ground

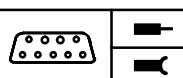


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Z3



Pin Assignments

Pin	Type	Description/Function	Connection
30	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
31	A	Cyl. 5 ignition coil control	Cyl. 5 ignition coil
32	M	Ground	Ground point
33	A	Cyl. 5 fuel injection valve control	Cyl. 5 fuel injection valve
34	M	Ground	Ground point
35	A	Activate relay	Secondary air pump relay
36	A	Crankshaft RPM speed signal TD	Instrument cluster
37		Not used	
38	M	Ground	Shield knock sensor
39	M	Ground	Temperature sensors
40	M	Ground	Crankshaft position/RPM sensor Fuel tank pressure sensor
41	M	Ground	Shield camshaft position sensor
42	M	Ground	Throttle position sensor
43	M	Ground	Camshaft position sensor
44	A	Voltage supply	Throttle position sensor Fuel tank pressure sensor
45	A	Throttle position signal	ABS/ASC control module
46	E	TI-measurement signal (fuel consumption)	Instrument cluster
47		Not used	
48	A	Voltage supply	Crankshaft position/RPM sensor (Early Production)
49	E	Terminal 15	Ignition switch
50	A	Running losses	Solenoid valve
51	A	Activate valve	Charcoal filter shut off valve
52		Not used	
53	A	Activate valve	Idle speed control valve
54	E	Battery voltage, terminal 87	Engine control module relay
55	M	Oxygen sensor heating ground	Oxygen sensor II (in front of catalytic converter)
56	M	Ground	Ground point
57	E	Cyl. 1-3 knock sensor	Knock sensor
58	E	Cyl. 1-3 knock sensor	Knock sensor

E = Input, A = Output, M = Ground

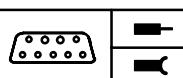


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Z3



Pin Assignments

Pin	Type	Description/Function	Connection
59	E	Cyl. 4-6 knock sensor	Knock sensor
60	E	Programming voltage	Data link connector
61	M	Oxygen sensor heating ground	Oxygen sensor II (behind catalytic converter)
62	E	Activate valve	Secondary air pump value
63	E	Cyl. 4-6 knock sensor	Knock sensor
64	E	Camshaft position	Camshaft position sensor
65	E	Camshaft position	Camshaft position sensor
66		Not used	
67	M	Oxygen sensor signal ground	Oxygen sensor I (in front of catalytic converter)
68	E	Activate valve	Evaporative emission valve
69	E	Activate relay	Fuel pump relay
70	M	Oxygen sensor signal ground	Oxygen sensor II (in front of catalytic converter)
71	M	Oxygen sensor signal ground	Oxygen sensor I (behind catalytic converter)
72	M	Oxygen sensor signal ground	Oxygen sensor II (behind catalytic converter)
73	E	Activate relay	Engine control module relay
74	A	Activate A/C compressor	Compressor control relay
75	E	Sensor signal	Oxygen sensor I (in front of catalytic converter)
76	E	Sensor signal	Oxygen sensor II (in front of catalytic converter)
77	E	Sensor signal	Oxygen sensor I (behind catalytic converter)
78	E	Sensor signal	Oxygen sensor II (behind catalytic converter)
79	M	Oxygen sensor heating ground	Oxygen sensor I (behind catalytic converter)
80	A	ASC signal ZA	Slip control module ABS/ASC
81	A	ASC signal ZWV	Slip control module ABS/ASC
82	A	ASC signal MSR	Slip control module ABS/ASC
83	E	Sensor signal	Crankshaft position/RPM sensor

E = Input, A = Output, M = Ground

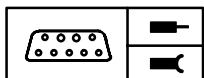


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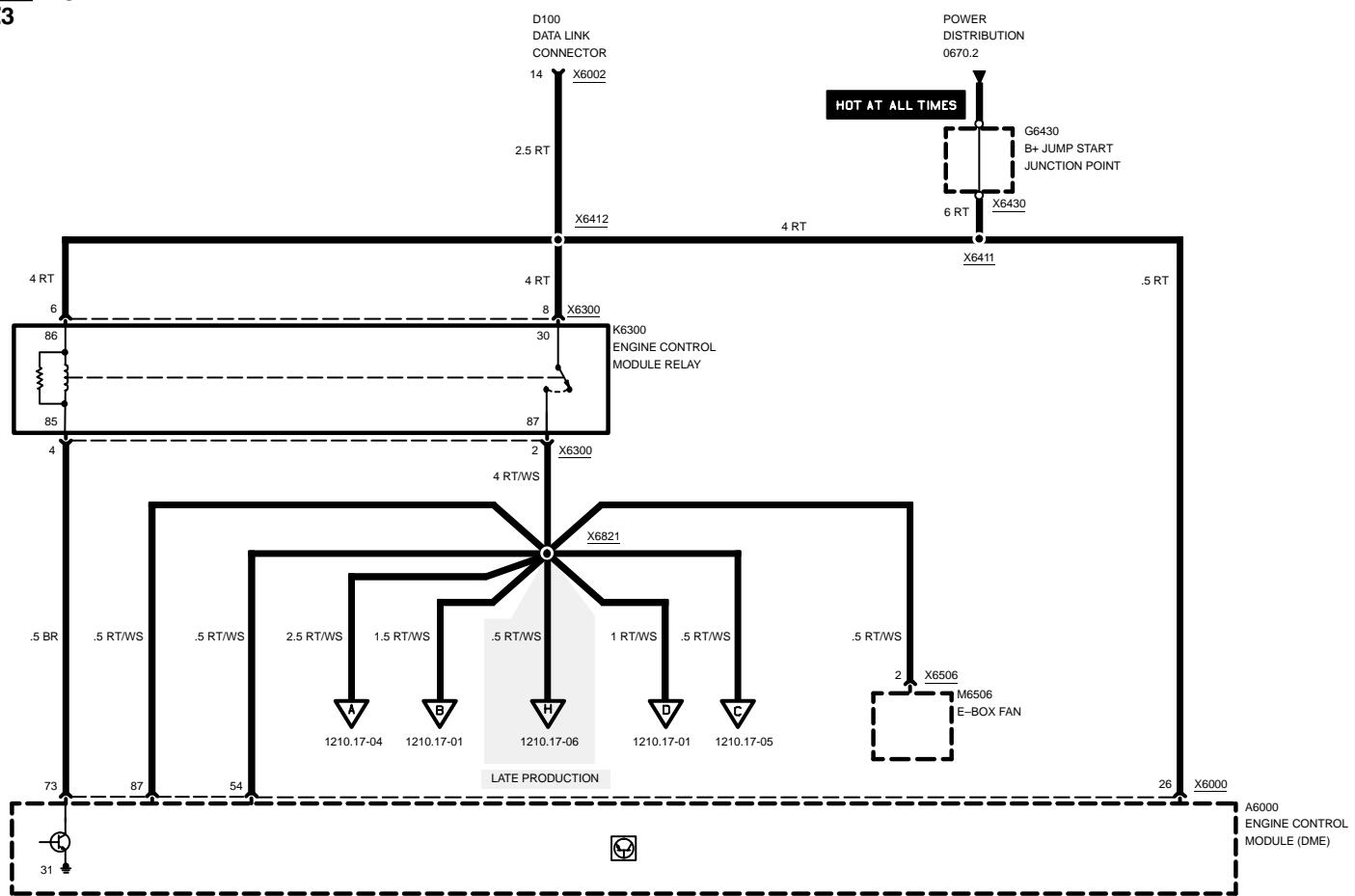
Z3



Pin Assignments

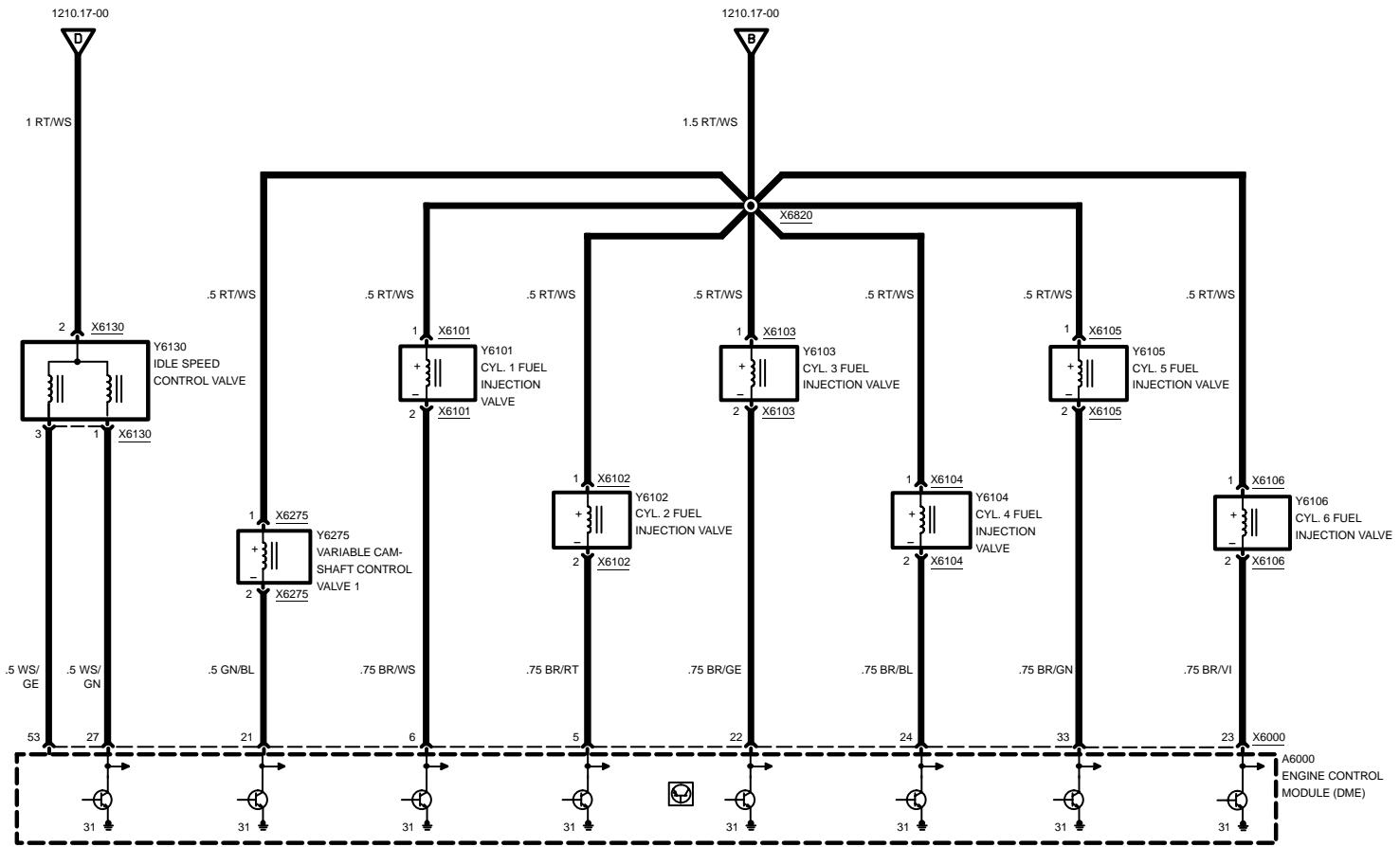
Pin	Type	Description/Function	Connection
84		Not used	
85		Not used	
86		Not used	
87	E	Battery voltage, terminal 87	Engine control module relay
88	E/A	TxD diagnosis data link	Data link connector

E = Input, A = Output, M = Ground



BMW 3 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52) M VERSIONS

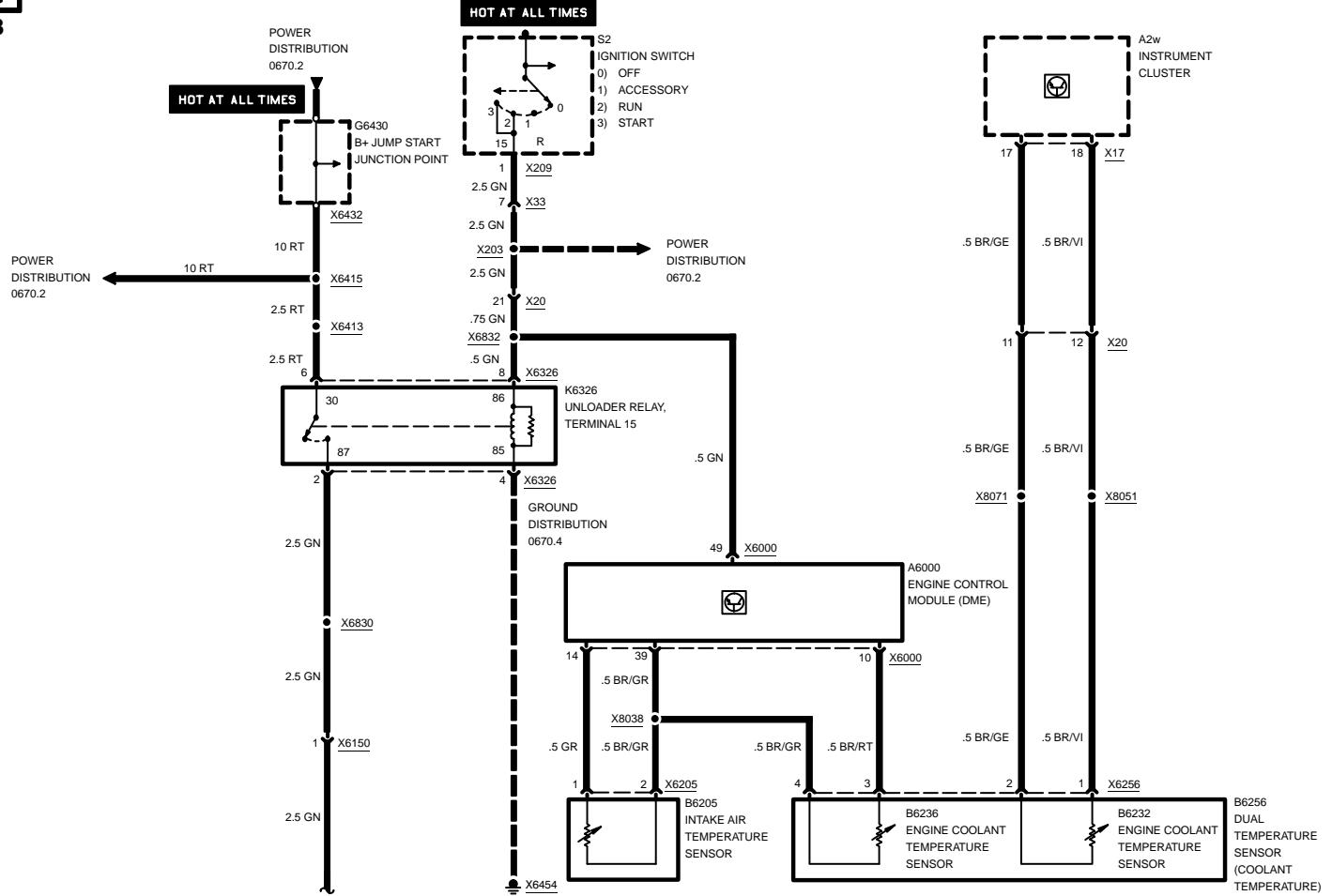
Z3

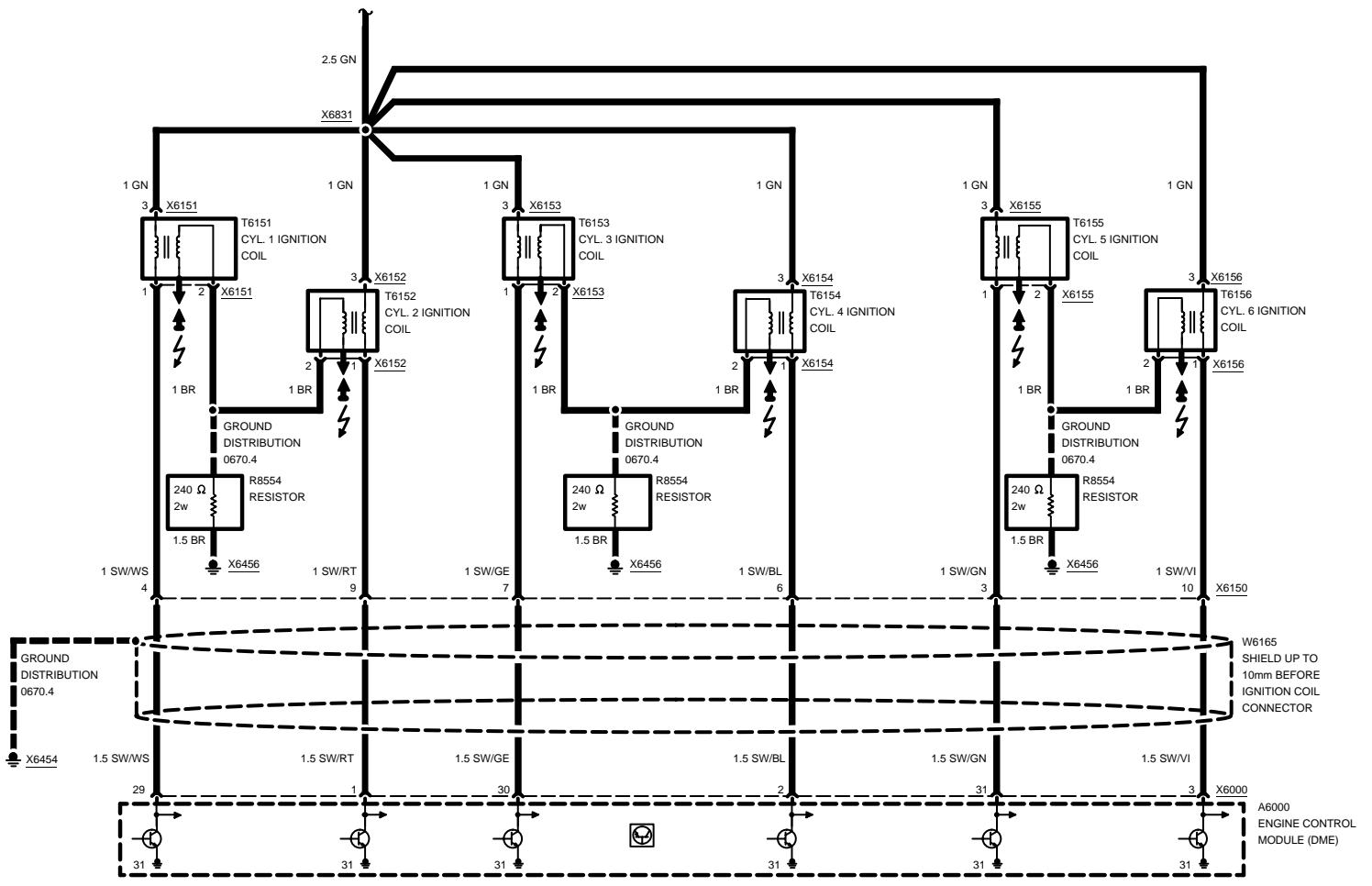


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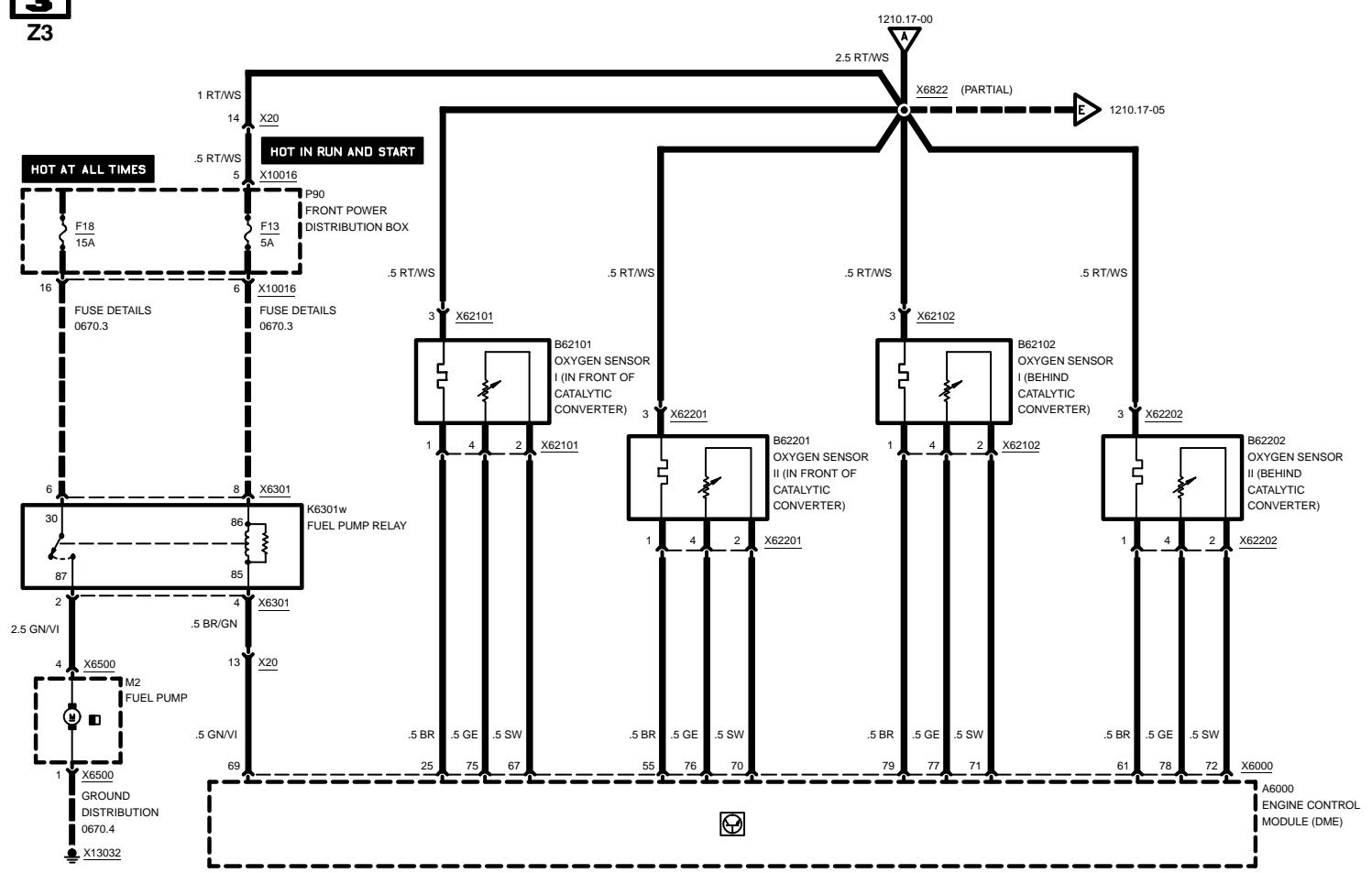
ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)

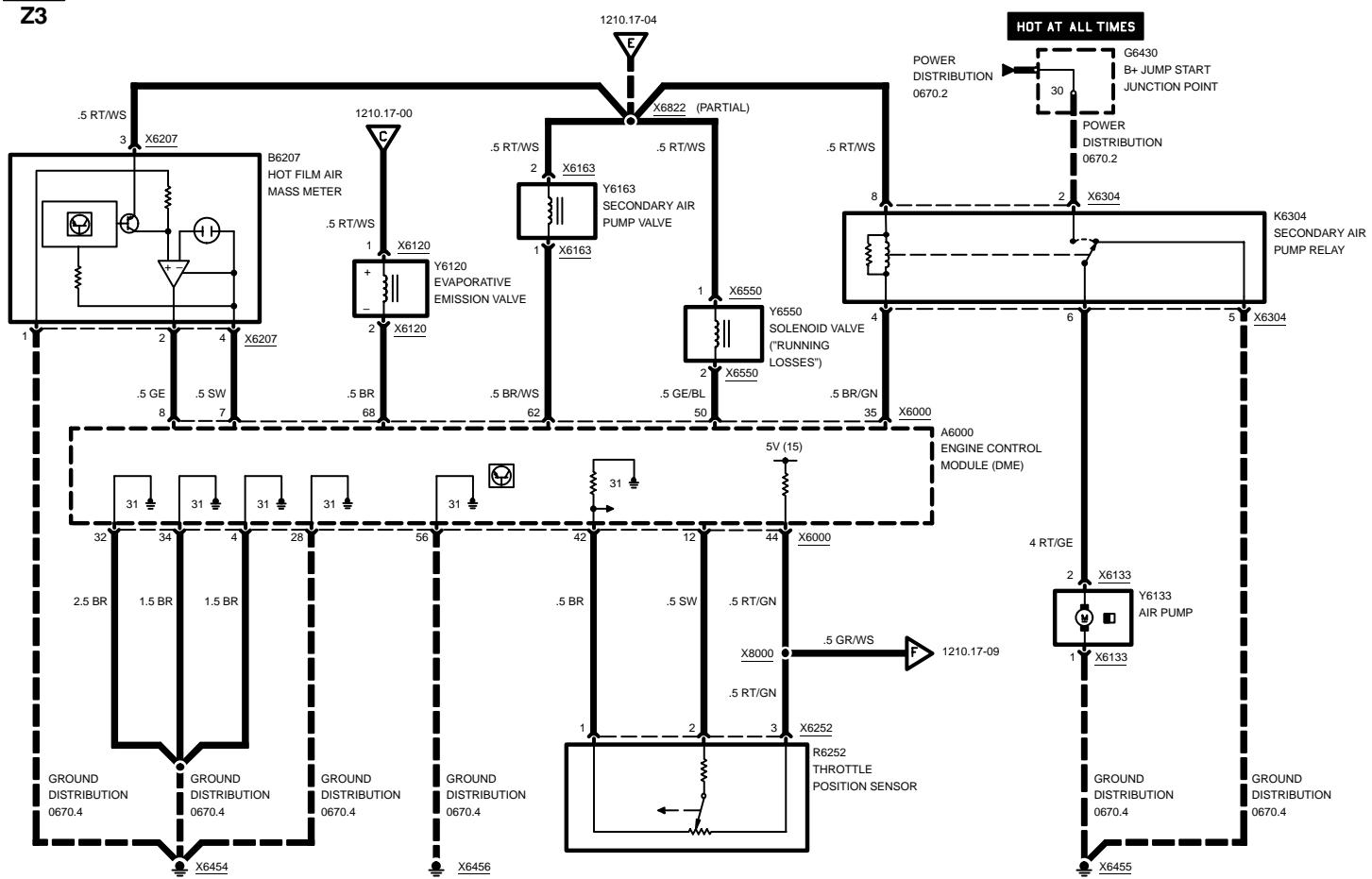
M VERSIONS

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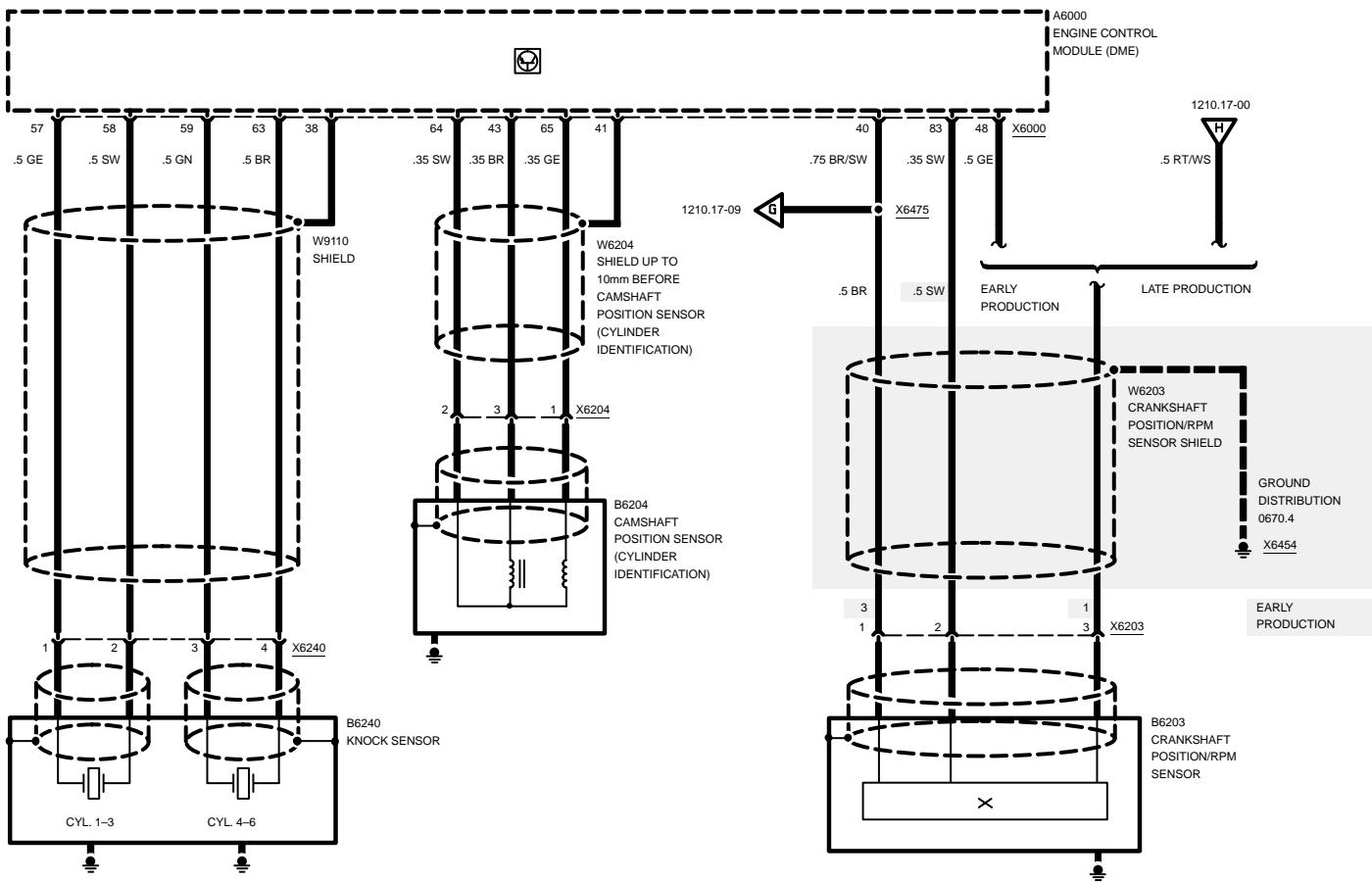
ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)

M VERSIONS

03/00

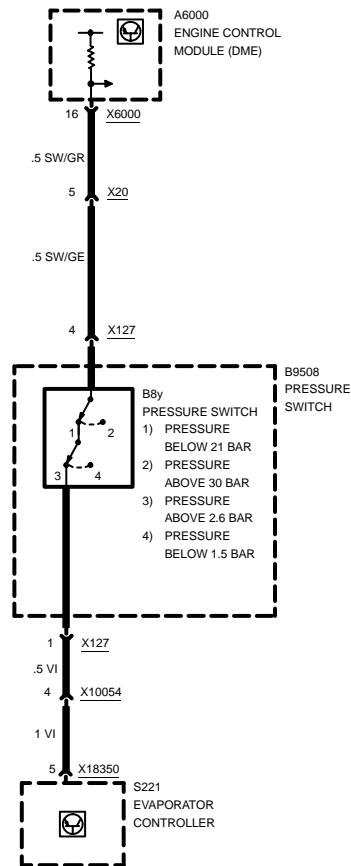
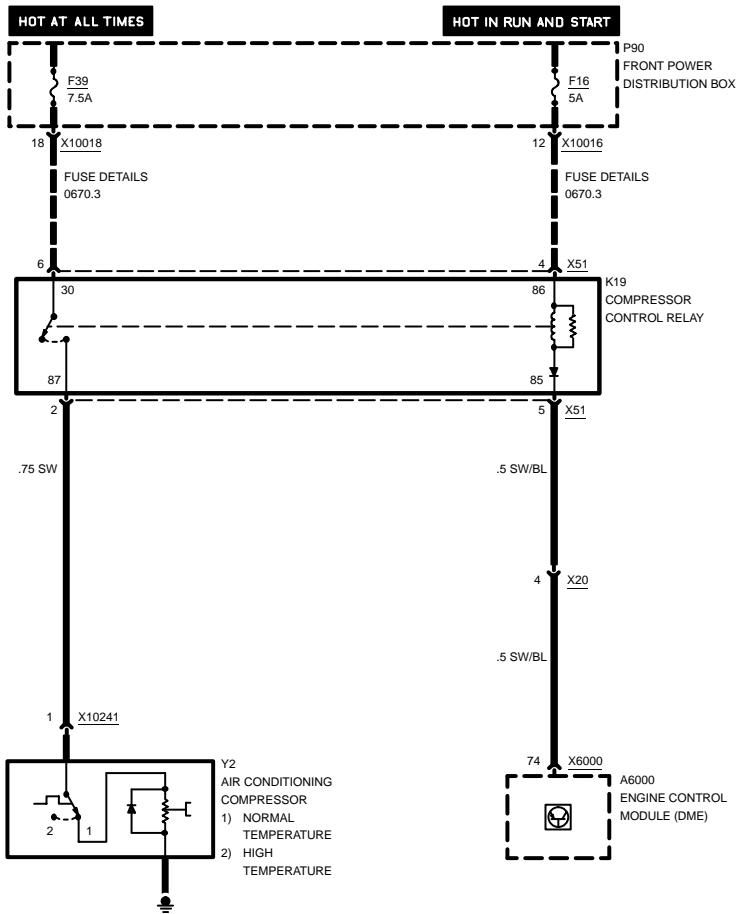
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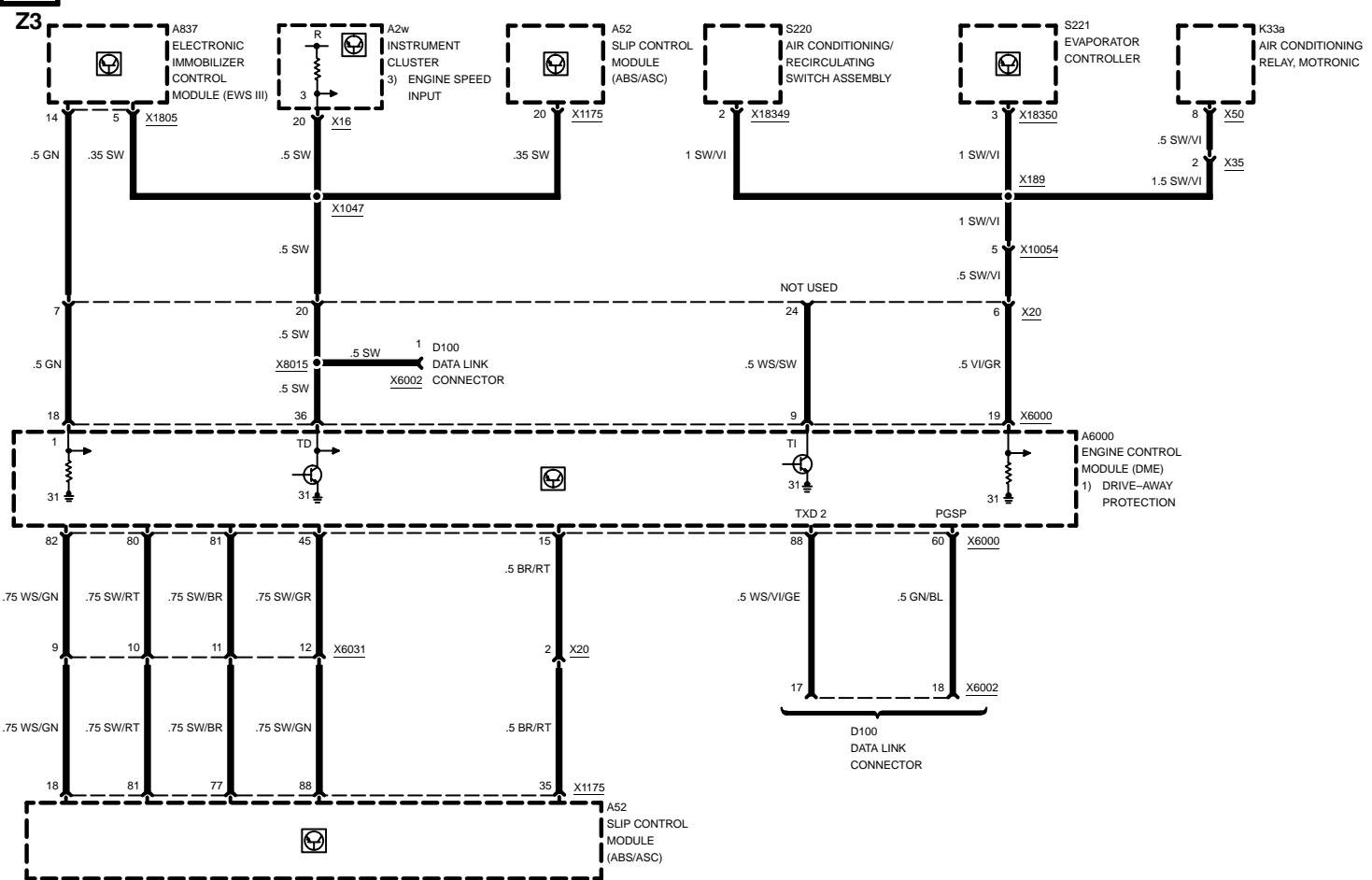


ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)

M VERSIONS



BMW 3 ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52) M VERSIONS



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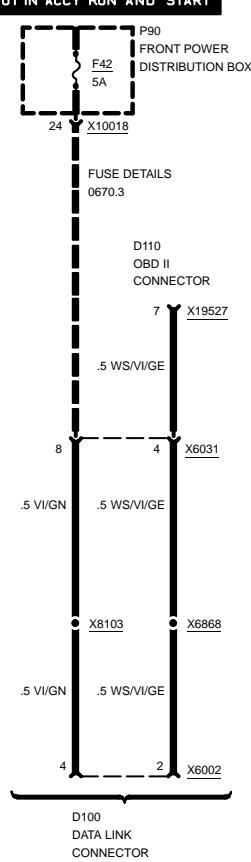
1999

ENGINE CONTROL SYSTEM MS41.1 (6-CYLINDER S52)

M VERSIONS

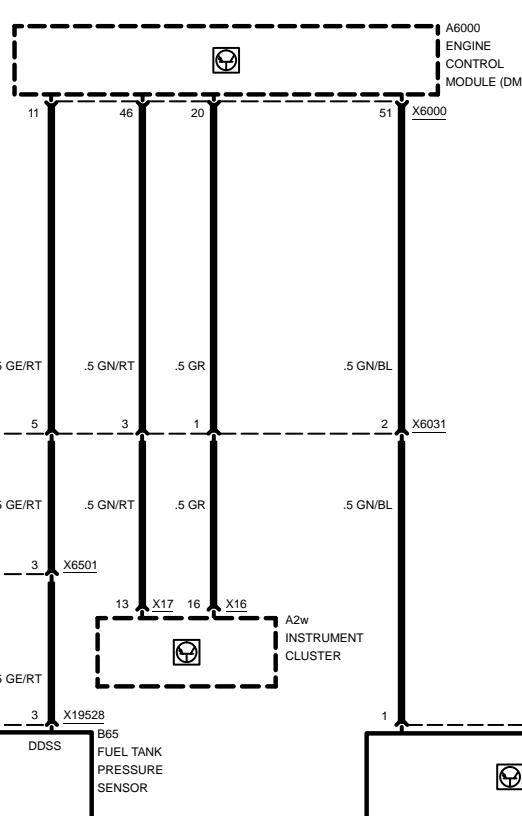
OBD II DIAGNOSIS

HOT IN ACCY RUN AND START

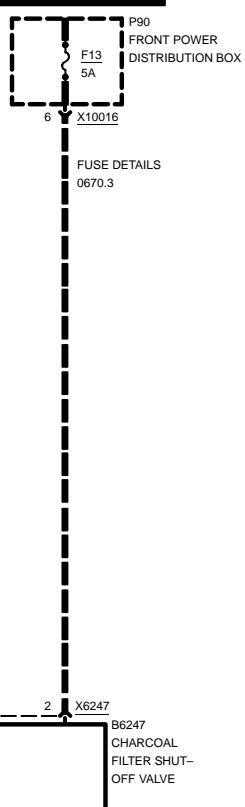


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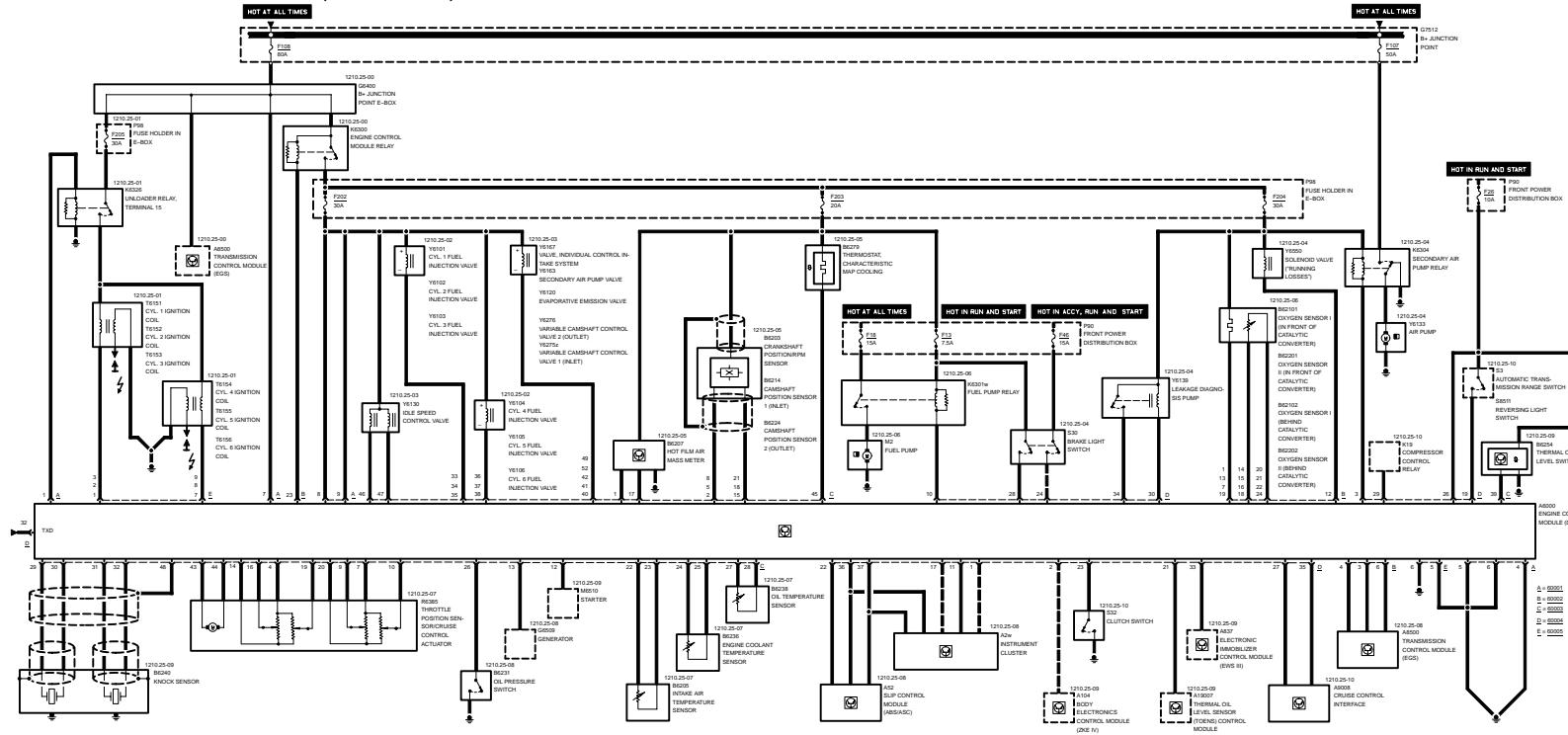


HOT IN RUN AND START



1210.25 ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

03/00 ————— 1210.25 ————— 1999



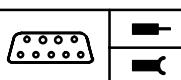


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Z3



Pin Assignments

A = X60001	9 Pins, black
B = X60002	24 Pins, black
C = X60003	52 Pins, black
D = X60004	40 Pins, black
E = X60005	9 Pins, black

X60001

Pin	Type	Signal	Description/Function	Connection
1	A	15	Activate relay	Unloader relay terminal 15
2			Not used	
3			Not used	
4	M	31E	Ground	Ground point
5	M	31L	Ground	Ground point
6	M	31L	Ground	Ground point
7	E	30	Voltage supply	B+ junction point E-box
8	E	U_HR<2	Voltage supply	Fuse holder in E-box
9	E	U_HR<2	Voltage supply	Fuse holder in E-box

X60002

Pin	Type	Signal	Description/Function	Connection
1	M	T_LHV1	Oxygen sensor heating ground	Oxygen sensor 1 (in front of catalytic converter)
2			Not used	
3	E/A	D_CAN-L	CAN bus low	Transmission control module (EGS)
4	E/A	D_CAN-H	CAN bus high	Transmission control module (EGS)
5			Not used	
6	E/A	D_TXD2	Diagnosis	Transmission control module (EGS)
7	M	T_LHH1	Oxygen sensor heating ground	Oxygen sensor 1 (behind catalytic converter)
8			Not used	

E = Input, A = Output, M = Ground

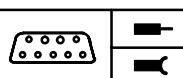


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1999

Z3



Pin Assignments

Pin	Type	Signal	Description/Function	Connection
9			Not used	
10			Not used	
11			Not used	
12	A	S_KKU	Activate valve	Solenoid valve (Running Losses)
13	M	T_LHV2	Oxygen sensor heating ground	Oxygen sensor 2 (in front of catalytic converter)
14	E	A_LSV1	Sensor signal	Oxygen sensor 1 (in front of catalytic converter)
15	E	A_LSV2	Sensor signal	Oxygen sensor 2 (in front of catalytic converter)
16	E	A_LSH1	Sensor signal	Oxygen sensor 1 (behind catalytic converter)
17			Not used	
18	E	A_LSH2	Sensor signal	Oxygen sensor 2 (behind catalytic converter)
19	M	T_LHH2	Oxygen sensor heating ground	Oxygen sensor 2 (behind catalytic converter)
20	M	M_LSV1	Signal ground	Oxygen sensor 1 (in front of catalytic converter)
21	M	M_LSV2	Signal ground	Oxygen sensor 2 (in front of catalytic converter)
22	M	M_LSH1	Signal ground	Oxygen sensor 1 (behind catalytic converter)
23	A	S_HR	Activate relay	Engine control module relay
24	M	M_LSH2	Signal ground	Oxygen sensor 2 (behind catalytic converter)

X60003

Pin	Type	Signal	Description/Function	Connection
1	E	A_HFM	Signal air mass meter	Hot film air mass meter
2	E	P_NWGA1	Signal camshaft position	Camshaft position sensor 2 (outlet)
3			Not used	
4	A	U_DKFW1	Voltage supply	Throttle position sensor 1

E = Input, A = Output, M = Ground



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1210.25-c

1999

Z3



Pin Assignments

Pin	Type	Signal	Description/Function	Connection
5	E	P_NWGE1	Signal camshaft position	Camshaft position sensor 1 (inlet)
6			Not used	
7	A	U_DKFW2	Voltage supply	Throttle position sensor 2
8	E	P_KWG	Signal crankshaft position	Crankshaft position sensor
9	E	A_FWG2	Throttle position signal	Throttle position sensor 2
10	E	A_DKG2	Throttle position signal	Throttle position sensor 2
11			Not used	
12	E	S_30H	Start signal	Starter
13	E	S_61-1	Charging signal	Generator
14	M	M_DKFW1	Ground	Throttle position sensor 1
15	M	M_NWGA1	Ground	Camshaft position sensor 2 (outlet)
16	E	A_FWG1	Throttle position signal	Throttle position sensor 1
17	M	M_HFM	Ground	Hot film air massmeter
18	M	M_NWGE1	Ground	Crankshaft position sensor 1 (inlet)
19	E	A_DKG1	Throttle position signal	Throttle position sensor 1
20	M	M_DKFW2	Ground	Throttle position sensor 2
21	M	M_KWG	Ground	Crankshaft position sensor
22	E	A_TANS	Temperature signal	Intake air temperature sensor
23	M	M_TANS	Ground	Intake air temperature sensor
24	E	A_TMOT	Temperature signal	Engine coolant temperature sensor
25	M	M_TMOT	Ground	Engine coolant temperature sensor
26	E	A_OLD	Pressure signal	Oil pressure switch
27	E	A_TOEL	Temperature signal	Oil temperature sensor
28	M	M_TOEL	Ground	Oil temperature sensor
29	E	A_KS1A	Cyl. 1-3 knock sensor	Knock sensor
30	E	A_KS1B	Cyl. 1-3 knock sensor	Knock sensor
31	E	A_KS2A	Cyl. 4-6 knock sensor	Knock sensor
32	E	A_KS2B	Cyl. 4-6 knock sensor	Knock sensor
33	A	P_EVZ1	Activate valve	Cyl. 1 fuel injection valve
34	A	P_EVZ2	Activate valve	Cyl. 2 fuel injection valve
35	A	P_EVZ3	Activate valve	Cyl. 3 fuel injection valve
36	A	P_EVZ4	Activate valve	Cyl. 4 fuel injection valve

E = Input, A = Output, M = Ground



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Z3



Pin Assignments

Pin	Type	Signal	Description/Function	Connection
37	A	P_EVZ5	Activate valve	Cyl. 5 fuel injection valve
38	A	P_EVZ6	Activate valve	Cyl. 6 fuel injection valve
39	E	F_OLN	Level signal	Oil level sensor
40	A	T_NWE1	Activate valve	Variable camshaft control valve 1 (inlet)
41	A	T_NWA1	Activate valve	Variable camshaft control valve 2 (outlet)
42	A	T_TEV	Activate valve	Evaporative emission valve
43	A	T_MDK1	Activate motor	Cruise control actuator
44	A	T_MDK2	Activate motor	Cruise control actuator
45	A	S_KFK	Cooling signal	Thermostat, characteristic map cooling
46	A	T_LLFSS	CLOSE signal	Idle speed control valve
47	A	T_LLFSO	OPEN signal	Idle speed control valve
48	M	W_KS	Ground	Shield knock sensor
49	A	S_DISA	Activate valve	Valve, individual control intake system
50			Not used	
51			Not used	
52	A	S_SLPV	Activate valve	Secondary air pump valve

X60004

Pin	Type	Signal	Description/Function	Connection
1	A	61	Charging signal	Instrument cluster
2	A	30H	Start signal	Body electronics control module (ZKE IV)
3	A	S_SLP	Activate relay	Secondary air pump relay
4			Not used	
5			Not used	
6			Not used	
7			Not used	
8			Not used	

E = Input, A = Output, M = Ground



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1999

Z3



Pin Assignments

Pin	Type	Signal	Description/Function	Connection
9			Not used	
10	A	EKP	Activate relay	Fuel pump relay
11	A	OELD	Oil pressure signal	Instrument cluster
12			Not used	
13			Not used	
14			Not used	
15			Not used	
16			Not used	
17	A	TD	Crankshaft RPM speed signal TD	Instrument cluster
18			Not used	
19	E	RFL	Reverse signal	Reversing light switch/ Automatic transmission range switch
20			Not used	
21	A	A-OELN	Oil level signal	Thermal oil level sensor (TOENS) control module
22	E	DFAHR	Speed signal right rear	ABS/ASC control module
23	E	KUPP	Clutch signal	Clutch switch
24	E	KL 54 ON	Brake signal	Brake light switch
25			Not used	
26	E	15A26	Terminal 15	Fuse 26
27	E	MFL	Cruise control signal	Cruise control interface
28	E	S_BLTS	Brake signal	Brake light switch
29	A	S_KOREL	Activate relay	Compressor control relay
30	A	LDPV	Activate valve	Leakage diagnosis pump
31			Not used	
32	E/A	TXDII	TXD diagnosis data link	Data link connector
33	E	S_DWA	Drive-away protection signal (code)	Electronic immobilizer control module (EWS III)
34	E	LDPS	Leakage signal	Leakage diagnosis pump
35	M	31	Ground	Cruise control interface
36	E/A	CAN+	CAN bus high	Instrument cluster, ABS/ASC control module

E = Input, A = Output, M = Ground

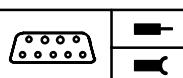


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Z3



Pin Assignments

Pin	Type	Signal	Description/Function	Connection
37	E/A	CAN-	CAN bus low	Instrument cluster, ABS/ASC control module
38			Not used	
39			Not used	
40			Not used	

X60005

Pin	Type	Signal	Description/Function	Connection
1	A	P_ZSZ3	Ignition coil signal	Cyl. 3 ignition coil
2	A	P_ZSZ2	Ignition coil signal	Cyl. 2 ignition coil
3	A	P_ZSZ1	Ignition coil signal	Cyl. 1 ignition coil
4			Not used	
5	M	31L	Ground	Ground point
6	M	A_ZSR	Ground	Ground point
7	A	P_ZSZ6	Ignition coil signal	Cyl. 6 ignition coil
8	A	P_ZSZ5	Ignition coil signal	Cyl. 5 ignition coil
9	A	P_ZSZ4	Ignition coil signal	Cyl. 4 ignition coil

E = Input, A = Output, M = Ground



ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

Z3 VERSIONS

POWER

Z3

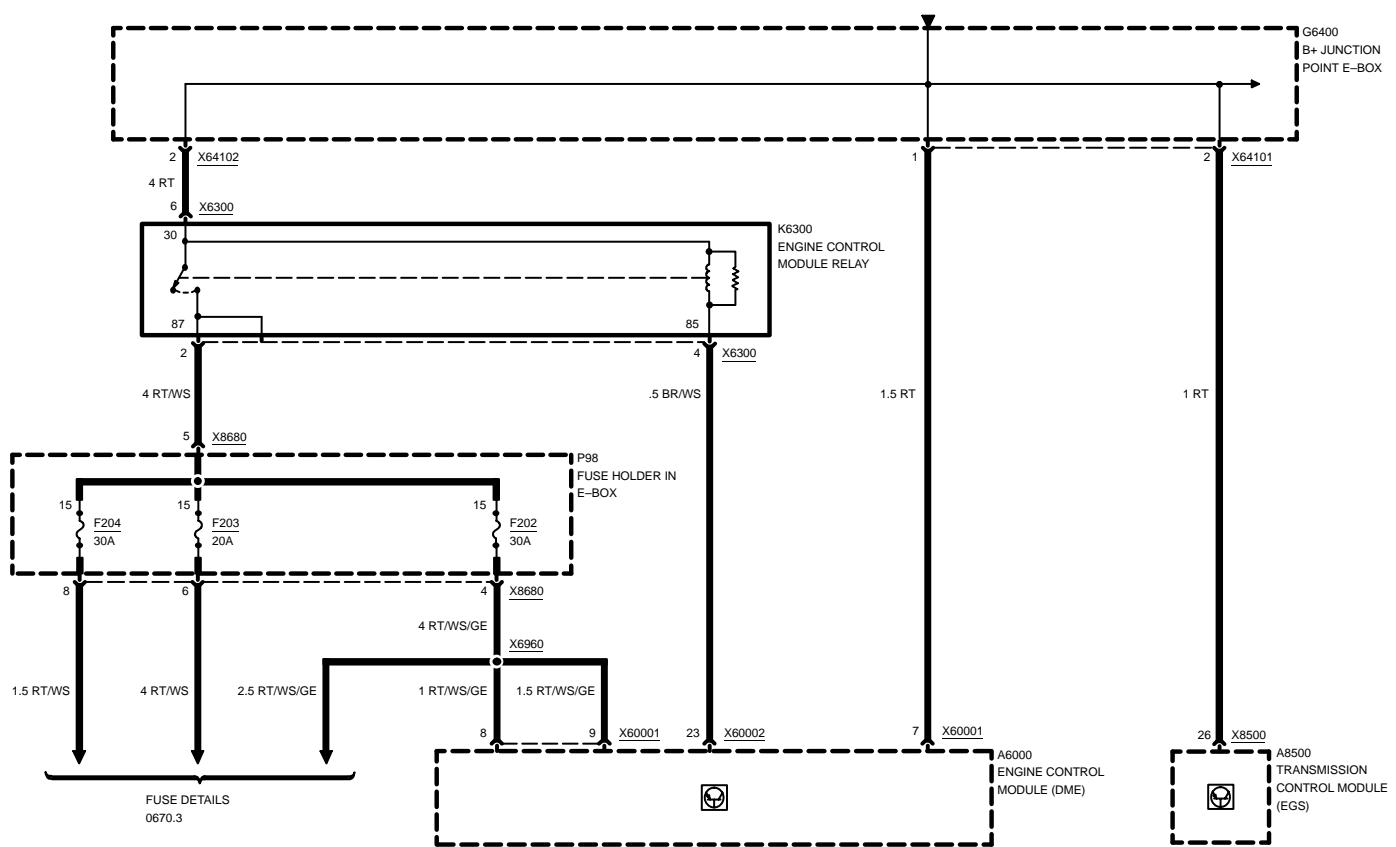
HOT AT ALL TIMES

POWER
DISTRIBUTION
0670.2

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1999





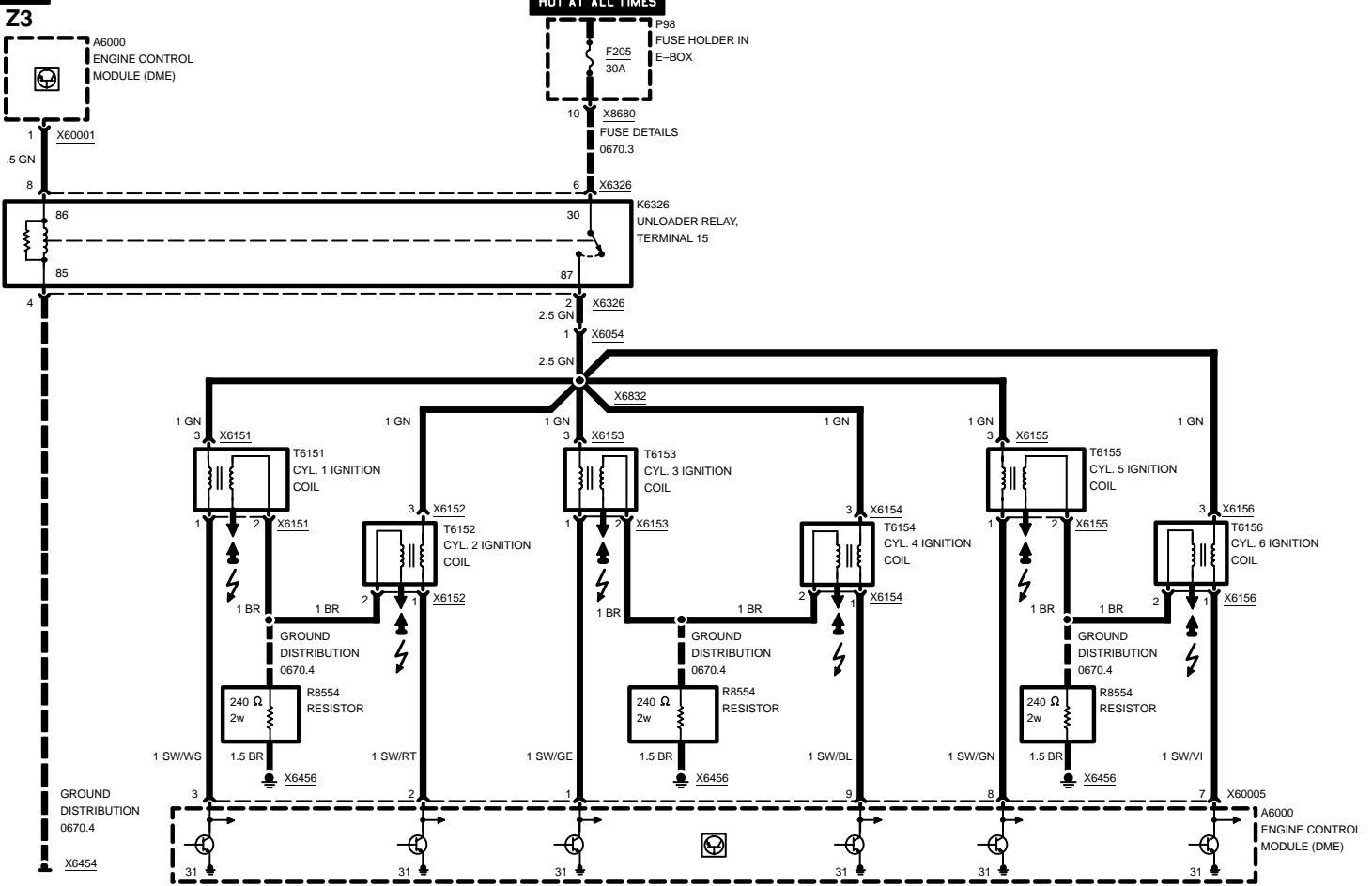
ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

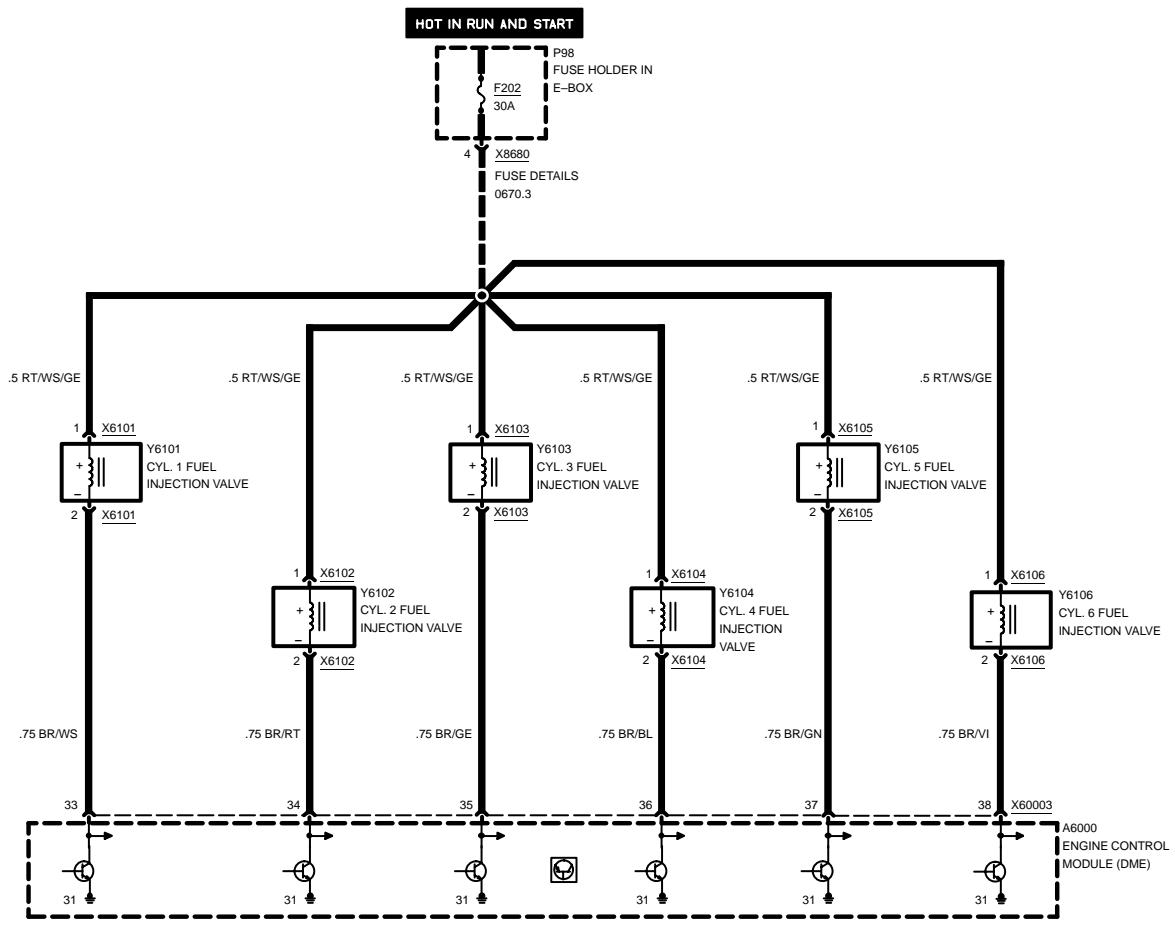
Z3 VERSIONS

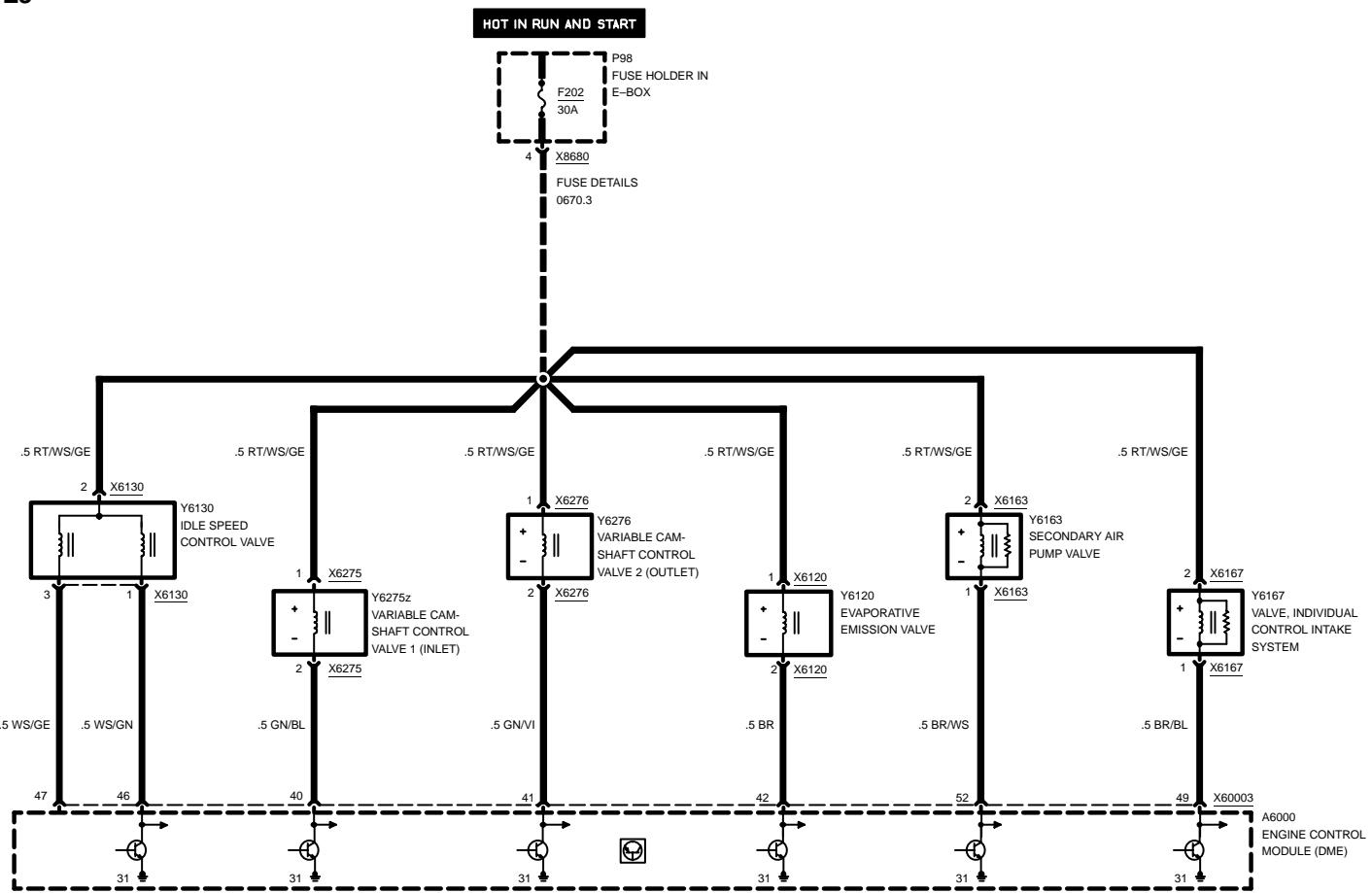
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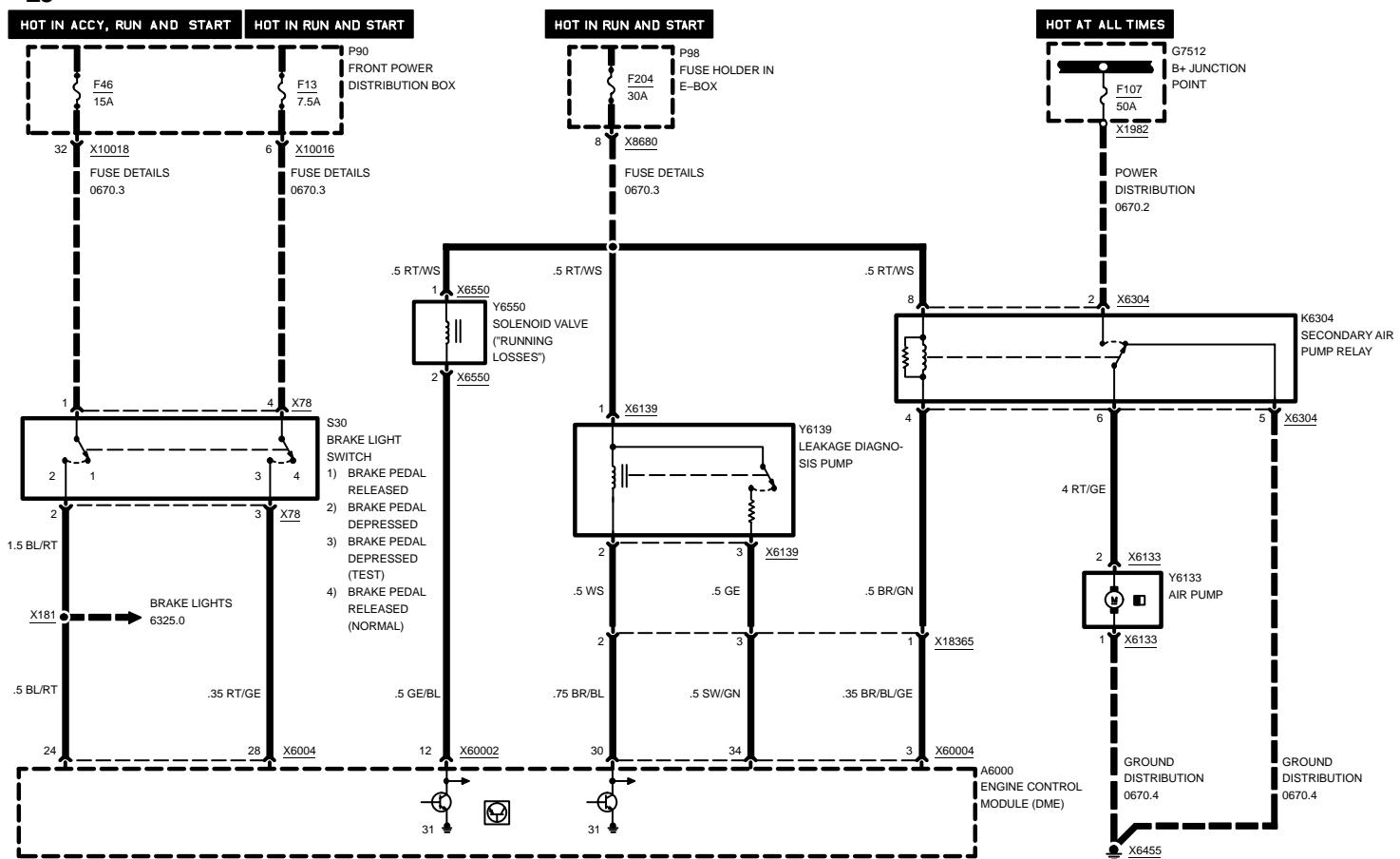
1210.25-01

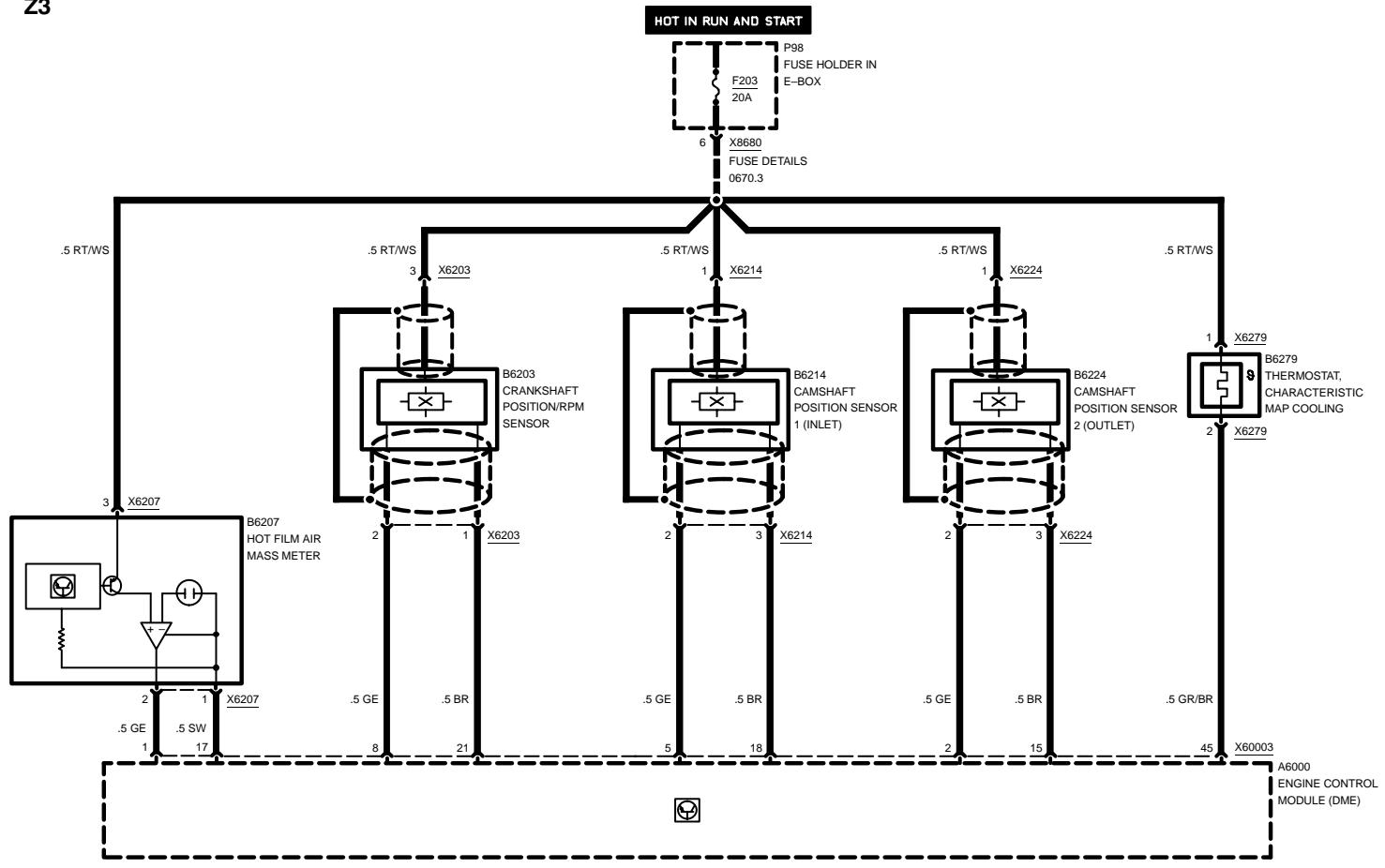
1999







ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)**Z3 VERSIONS**

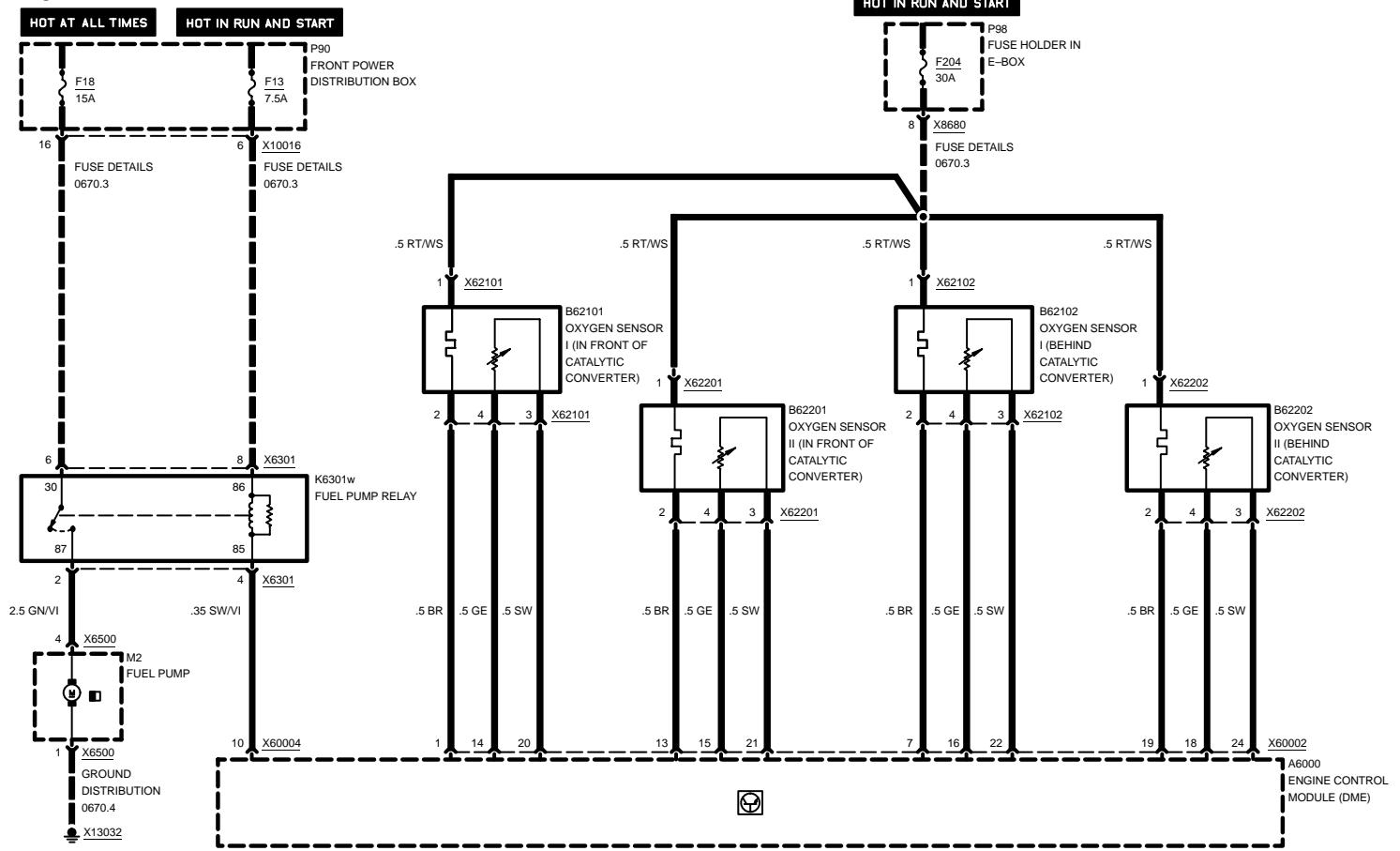


BMW 3 ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

Z3 VERSIONS



Z3



03/00

1210.25-06

1999



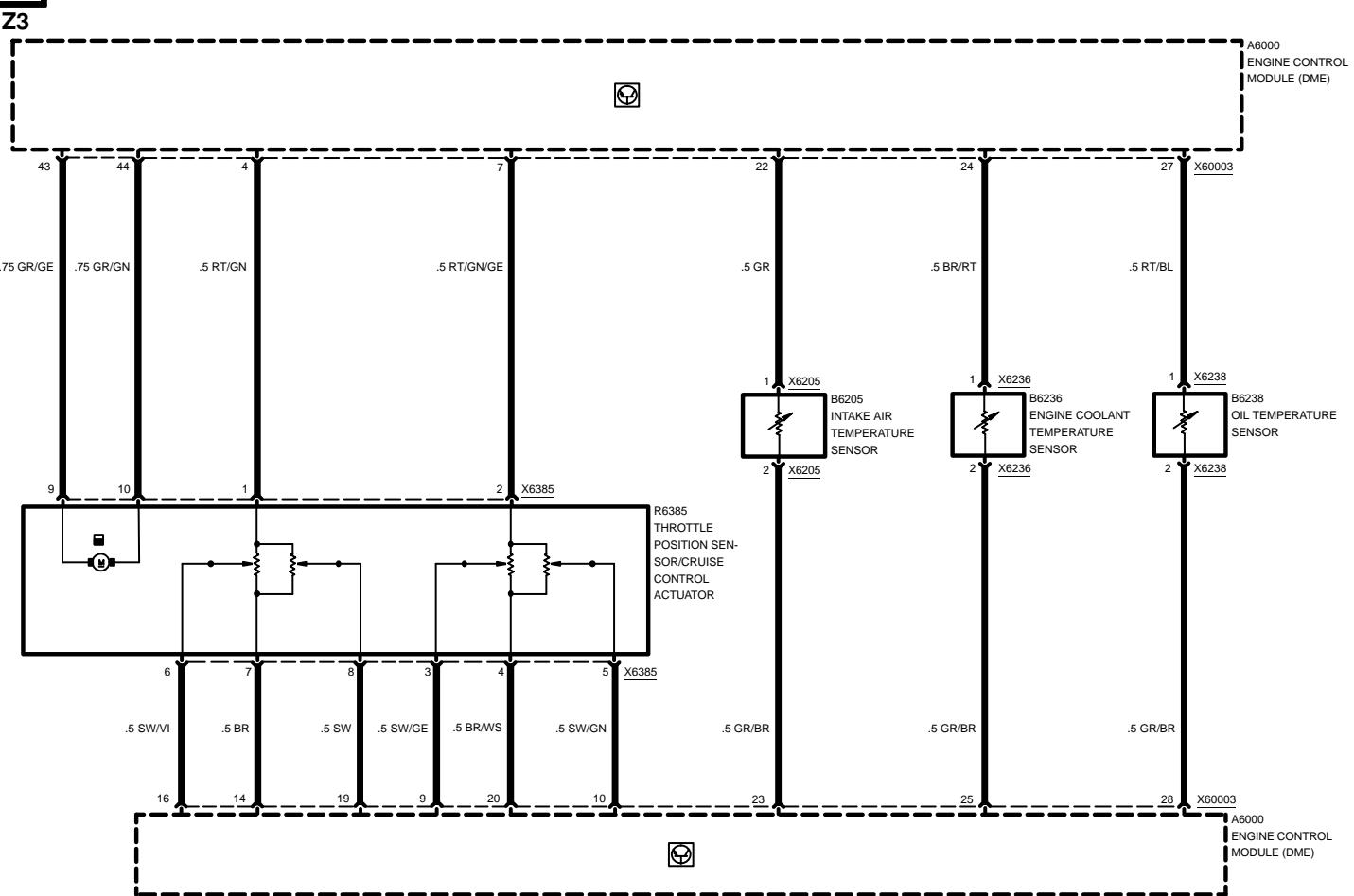
ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

Z3 VERSIONS

03/00

1210.25-07

1999



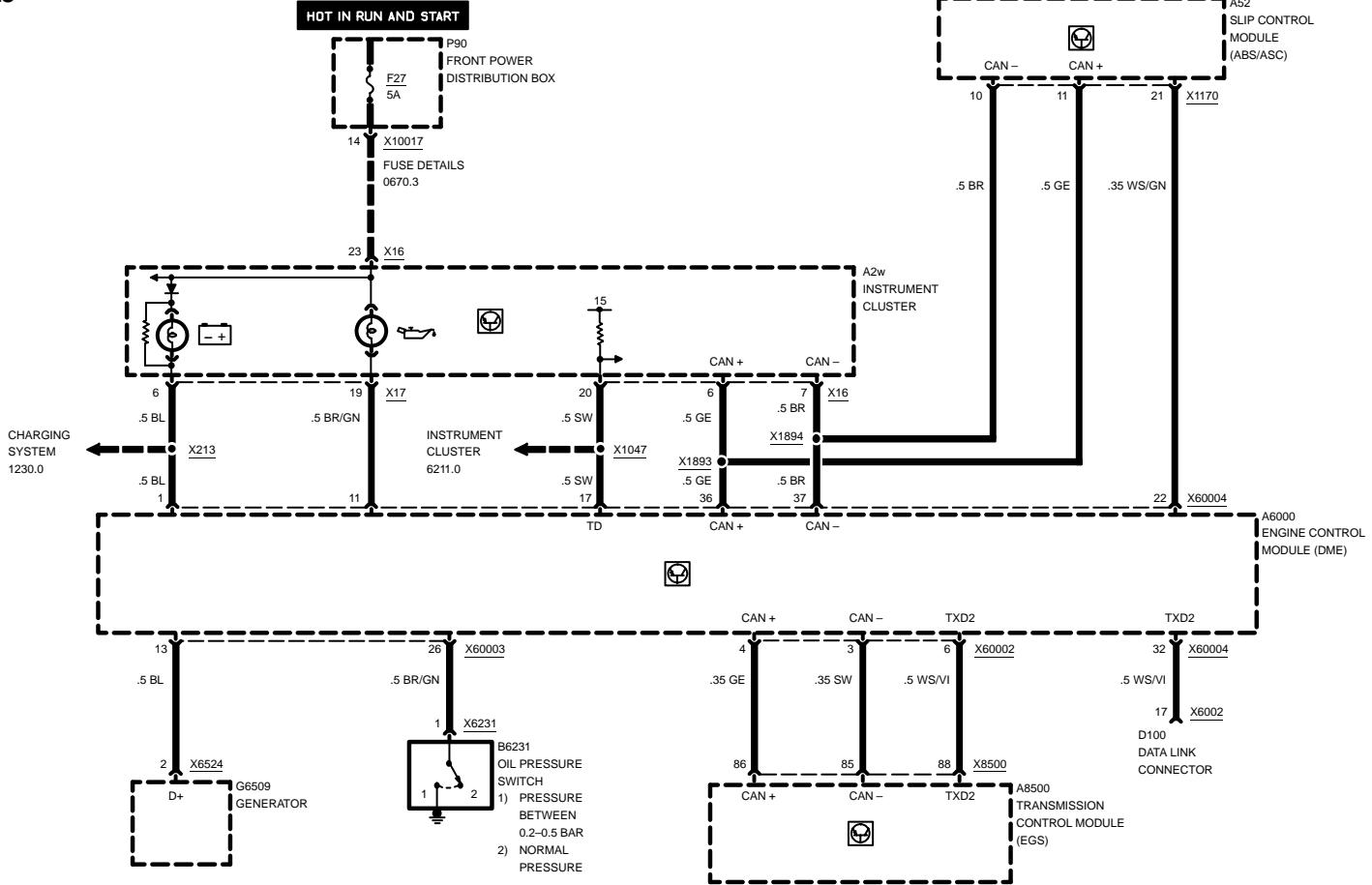
ENGINE CONTROL SYSTEM MS42.1 (6-CYLINDER M52)

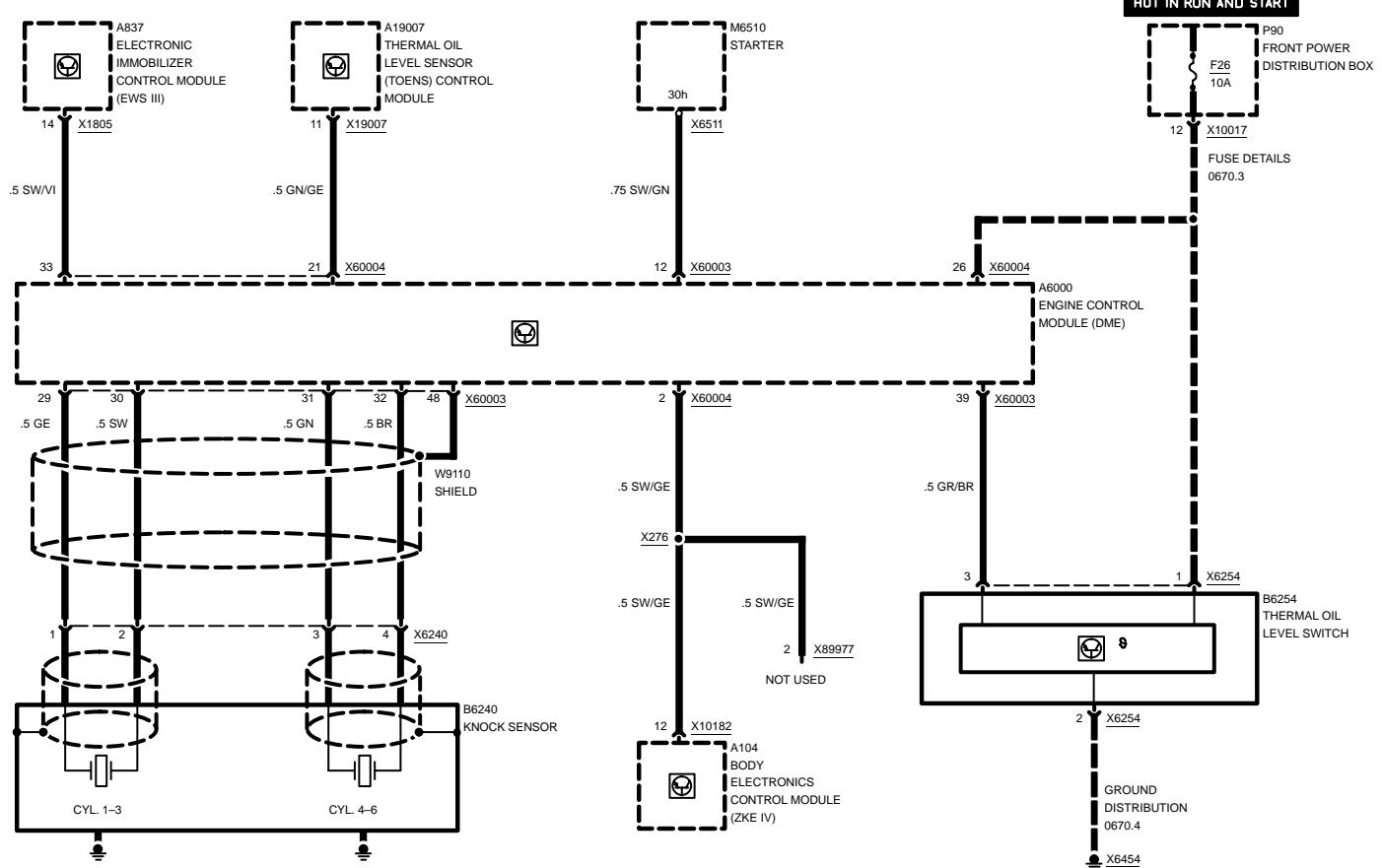
Z3 VERSIONS

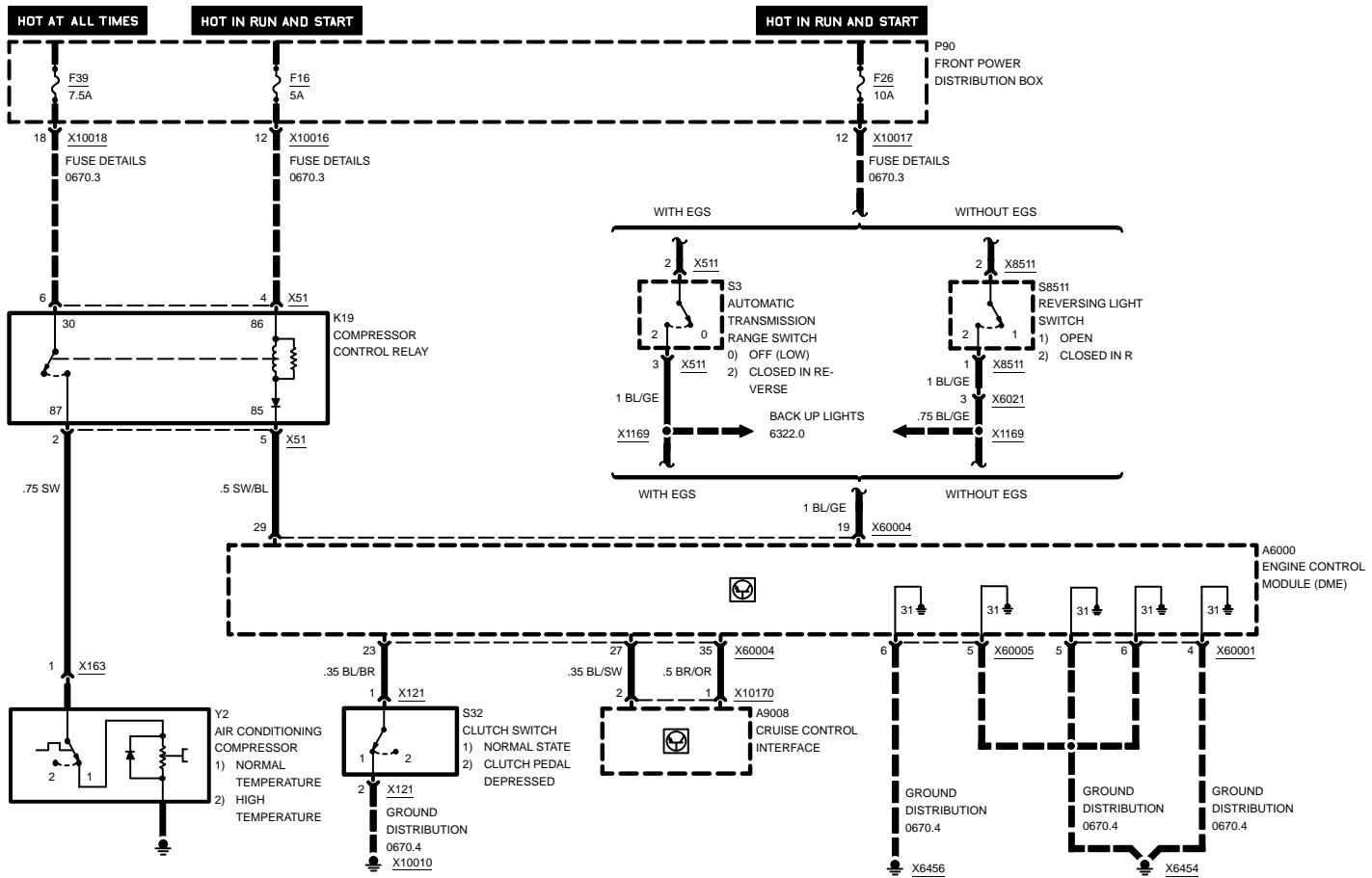
03/00

1210.25-08

1999





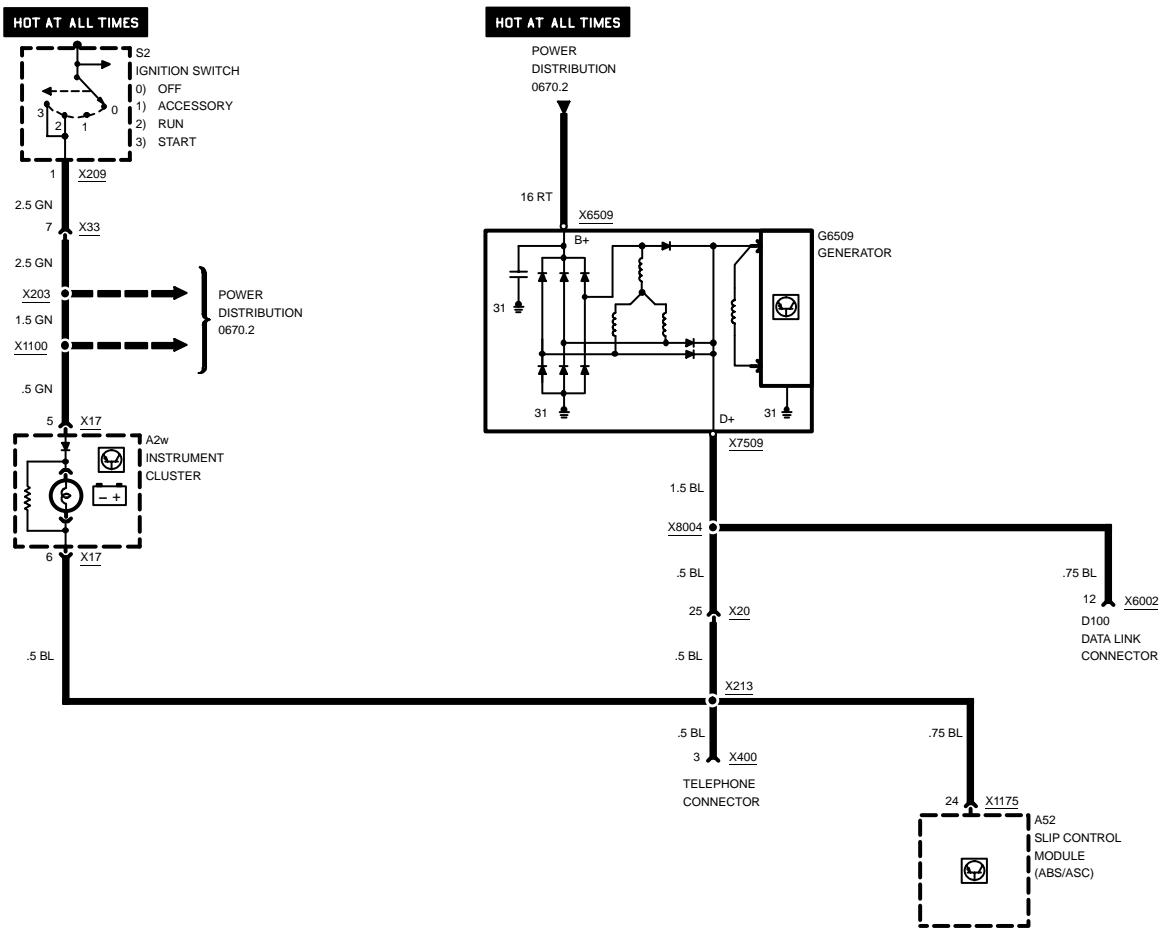


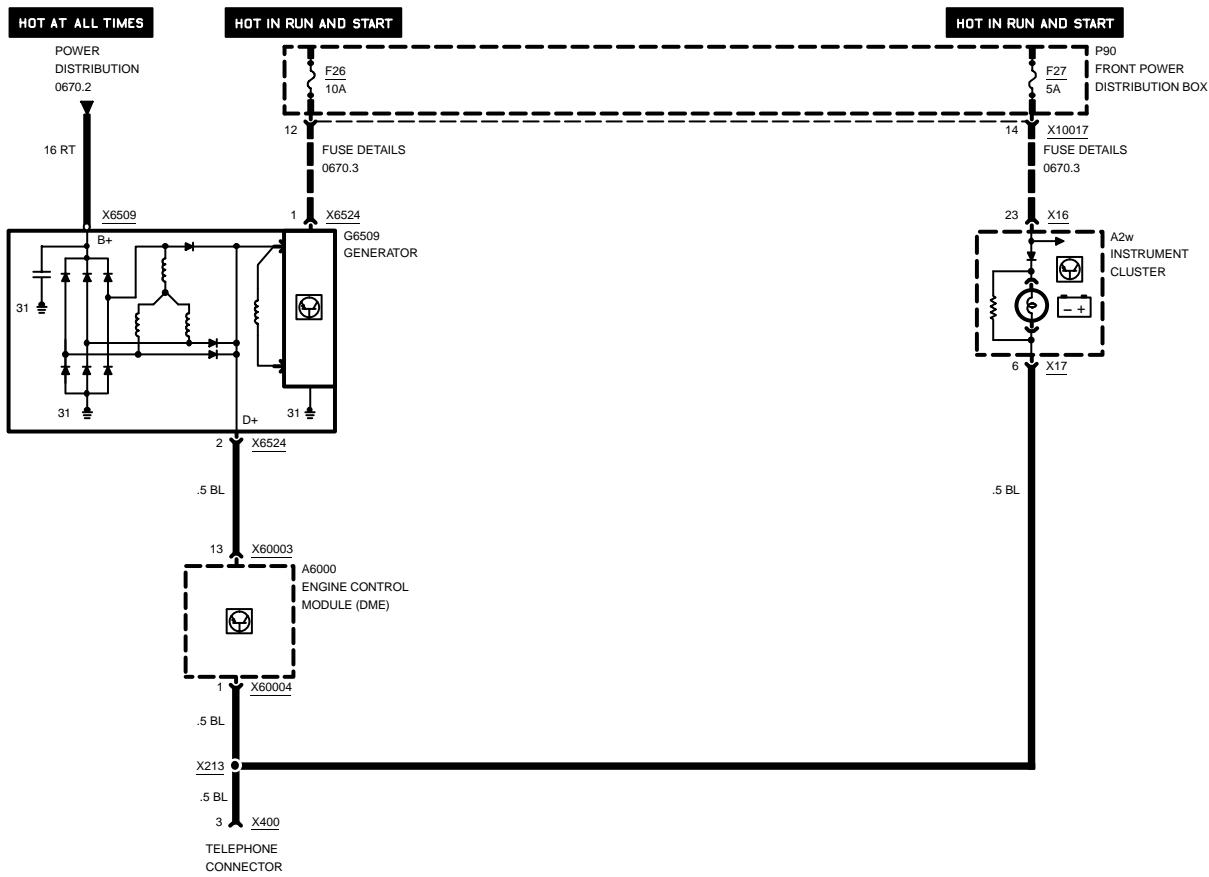
1230.0 CHARGING SYSTEM**M VERSIONS**

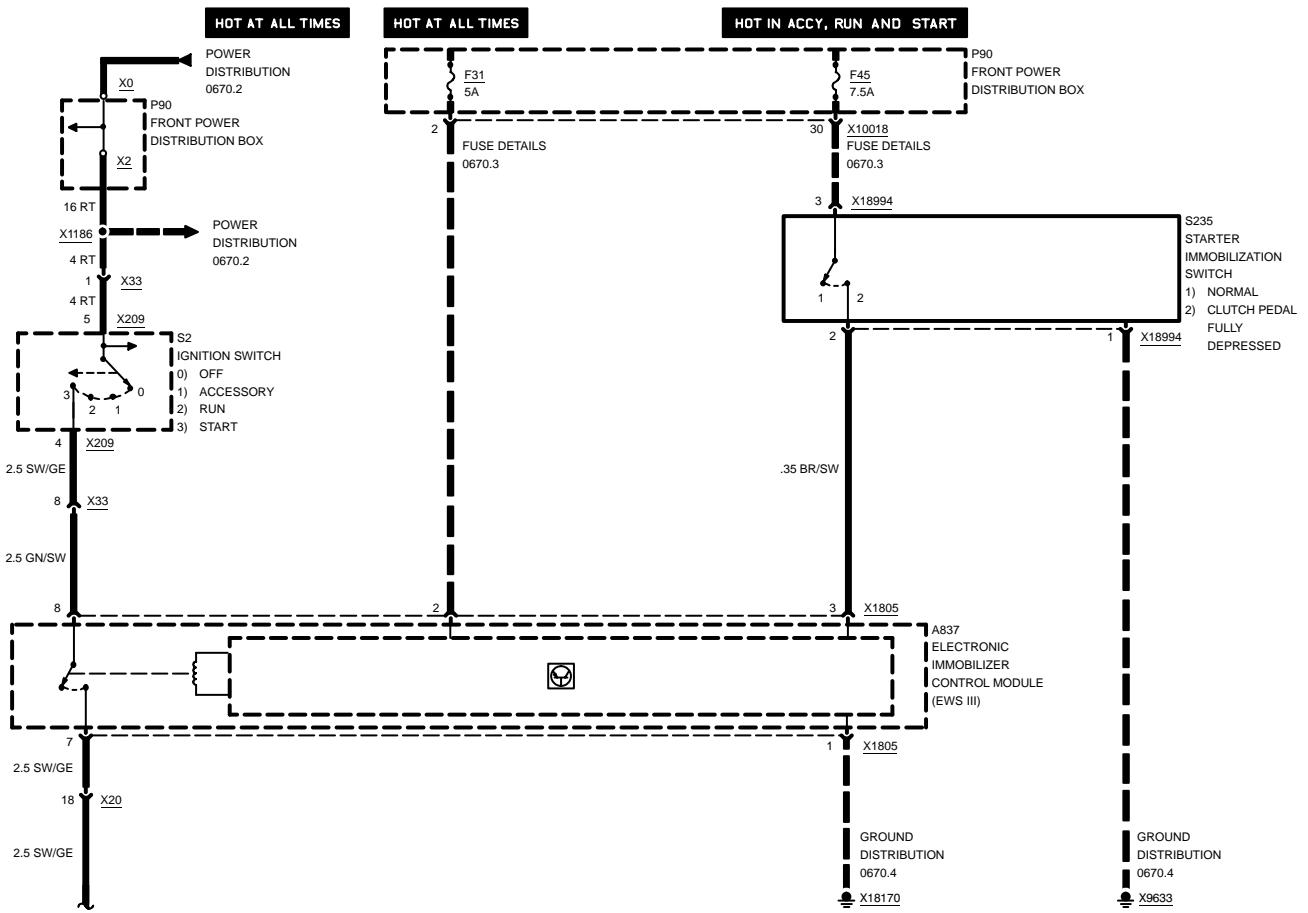
03/00

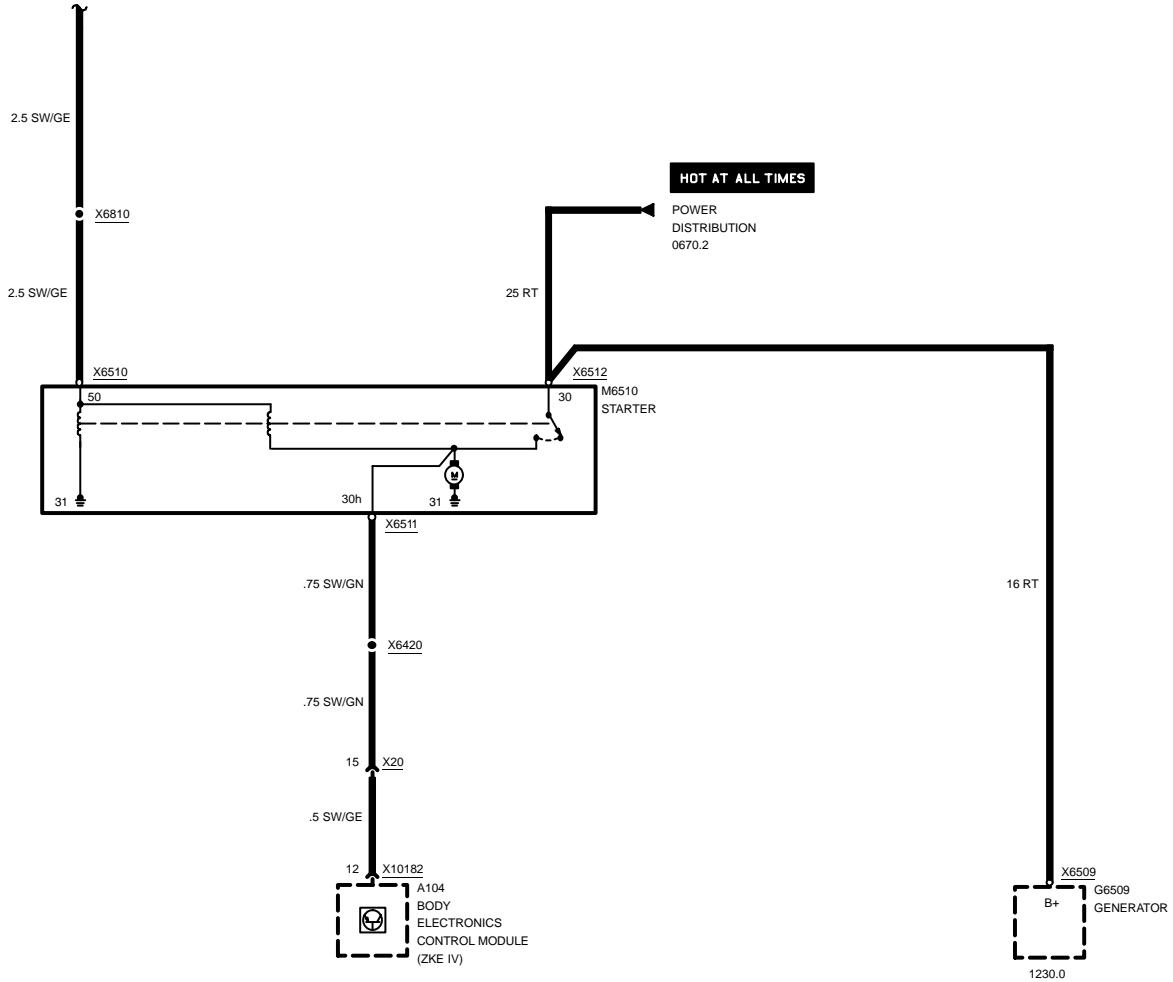
1230.0-00

1999



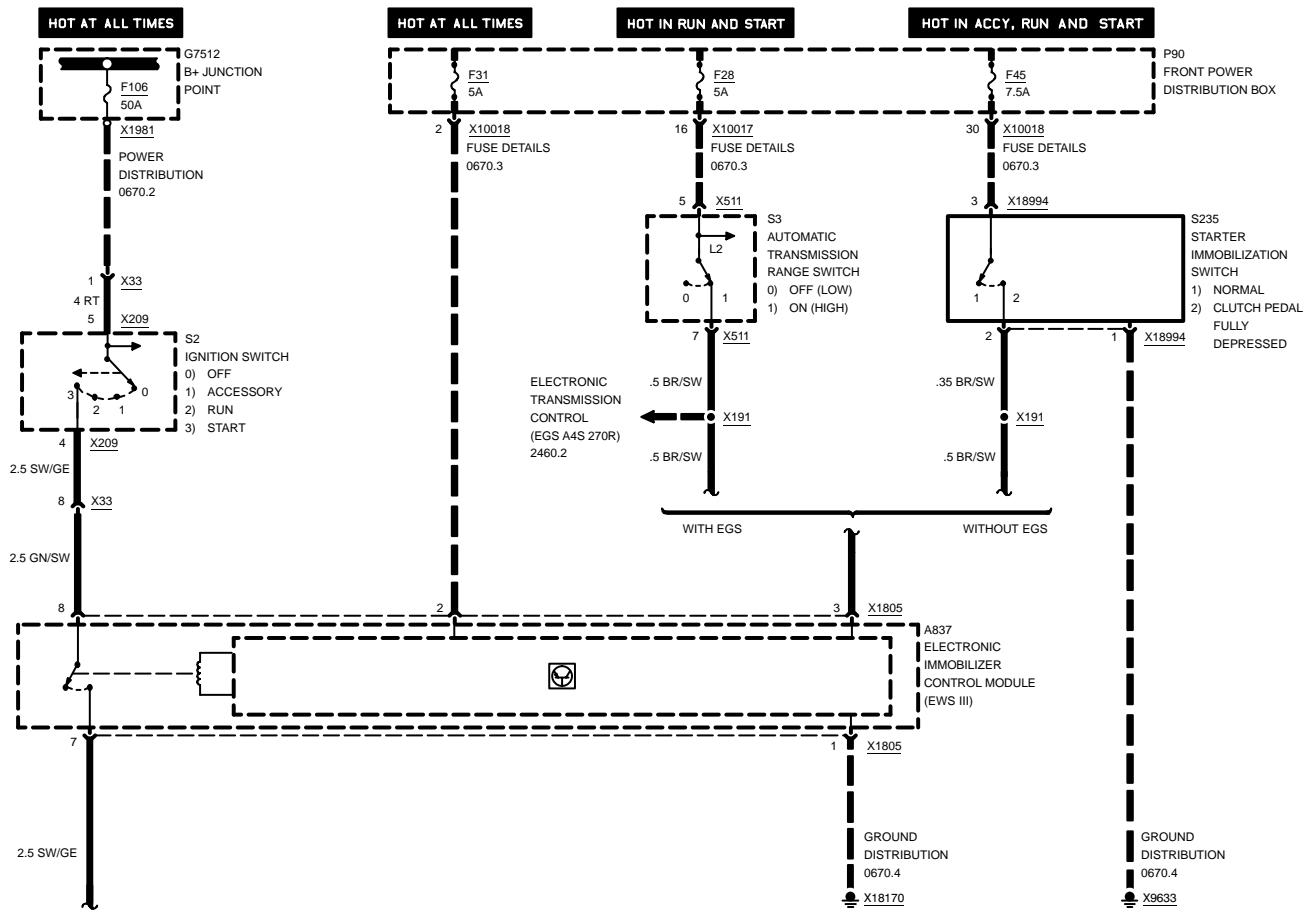


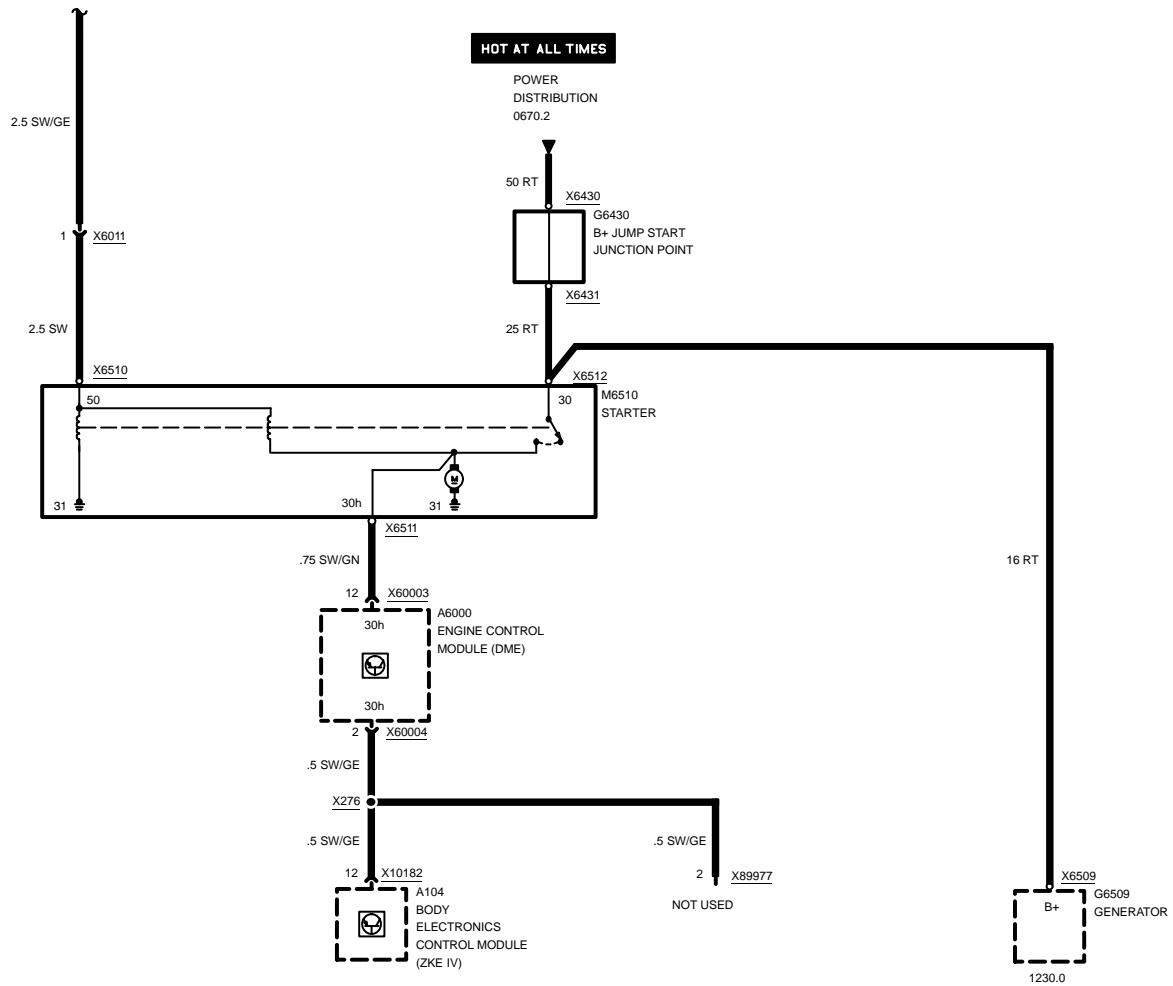




START

Z3 VERSIONS



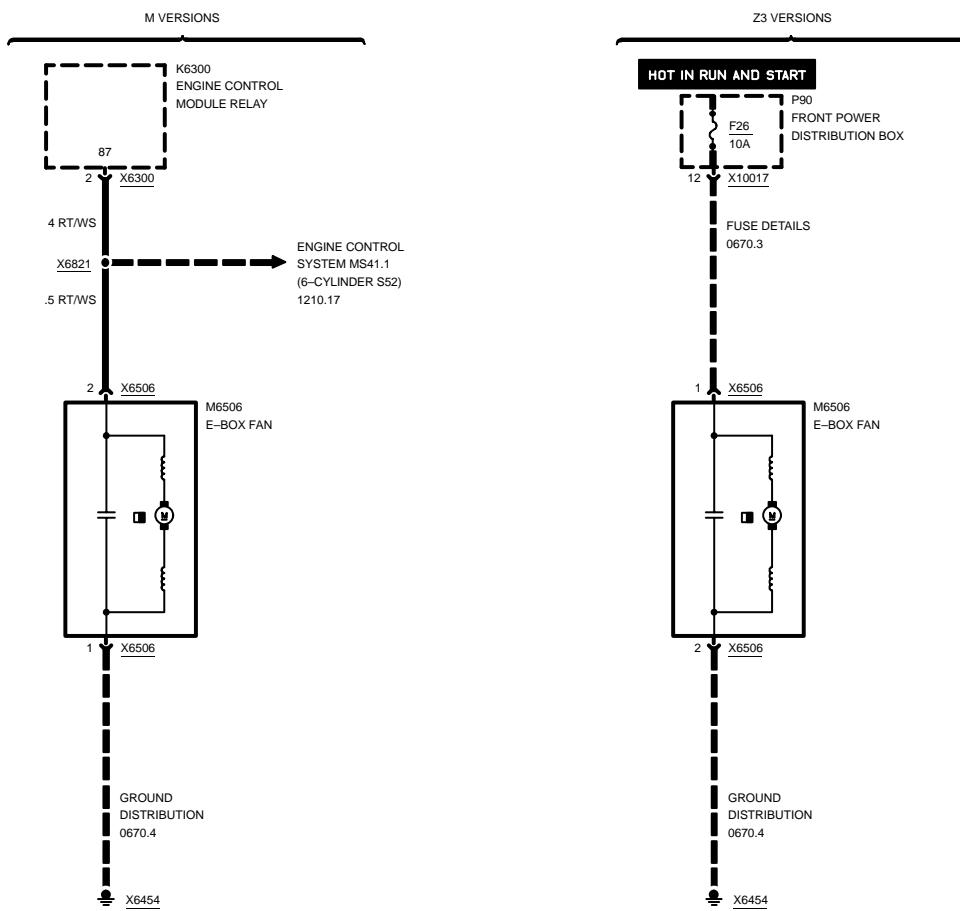


1290.0 E-BOX FAN

03/00

1290.0-00

1999

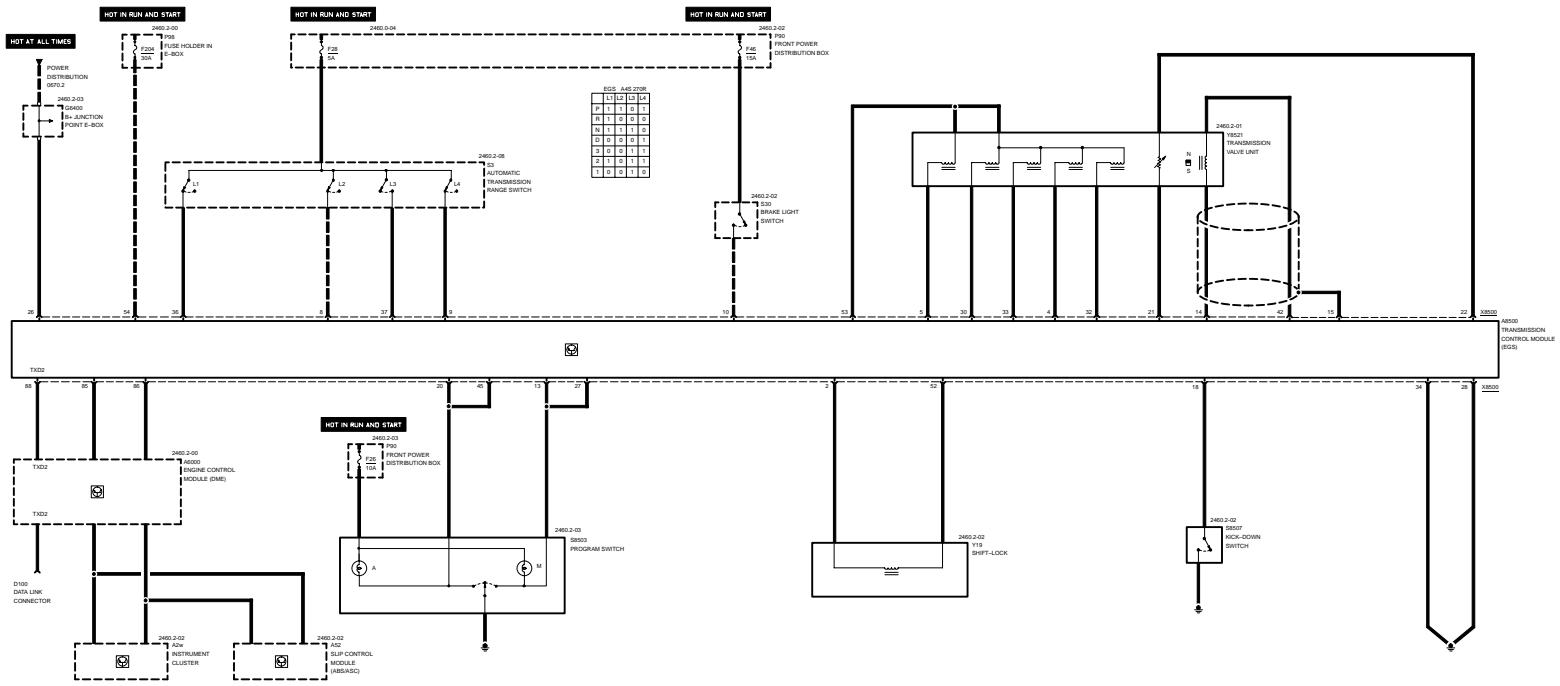


2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

03/00

2460.2

1999



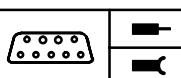


03/00

2460.2-a

1999

Z3



Pin Assignments

X8500

Pin	Type	Description/Function	Connection
10		Not used	
11	M	Ground	Shift-lock
12		Not used	
13	A	Solenoid valve 3 control (-)	Transmission valve unit
14	A	Hydraulic pressure regulator control (-)	Transmission valve unit
15		Not used	
16		Not used	
17	E	Gear range signal L2	Automatic transmission range switch
18	E	Gear range signal L4	Automatic transmission range switch
19	E	Brake pedal position	Brake light switch
20		Not used	
21		Not used	
22	E	Manual mode signal	Program switch
23	E	Output speed (-)	Transmission valve unit
24	M	Ground for shield	Shield for speed sensor
25		Not used	
26		Not used	
27	E	Kick-down signal	Kick-down switch
28		Not used	
29	E	Automatic mode signal	Program switch
30	E	Oil temperature signal (-)	Transmission valve unit
31	E	Oil temperature signal (+)	Transmission valve unit
32		Not used	
33		Not used	
34		Not used	
35	E	Battery voltage	B+ junction point E-box
36	A	M-program indication	Program switch
37	M	Ground	Ground point
38		Not used	
39	A	Solenoid valve 1 control (-)	Transmission valve unit

E = Input, A = Output, M = Ground

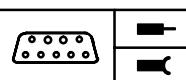


03/00

2460.2-b

1999

Z3



Pin Assignments

Pin	Type	Description/Function	Connection
40		Not used	
41	A	Torque converter clutch solenoid valve control (-)	Transmission valve unit
42	A	Solenoid valve 2 control (-)	Transmission valve unit
43	M	Ground	Ground point
44		Not used	
45	E	Gear range signal L1	Automatic transmission range switch
46	E	Gear range signal L3	Automatic transmission range switch
47		Not used	
48		Not used	
49		Not used	
50		Not used	
51	E	Output speed (+)	Transmission valve unit
52		Not used	
53		Not used	
54	A	A-program indication	Program switch
55		Not used	
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	
61	A	Shift-lock solenoid control	Shift-lock
62	A	Voltage solenoid valves	Transmission valve unit
63	E	Voltage supply	Fuse 204
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
69		Not used	
70		Not used	

E = Input, A = Output, M = Ground

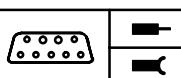


03/00

2460.2-c

1999

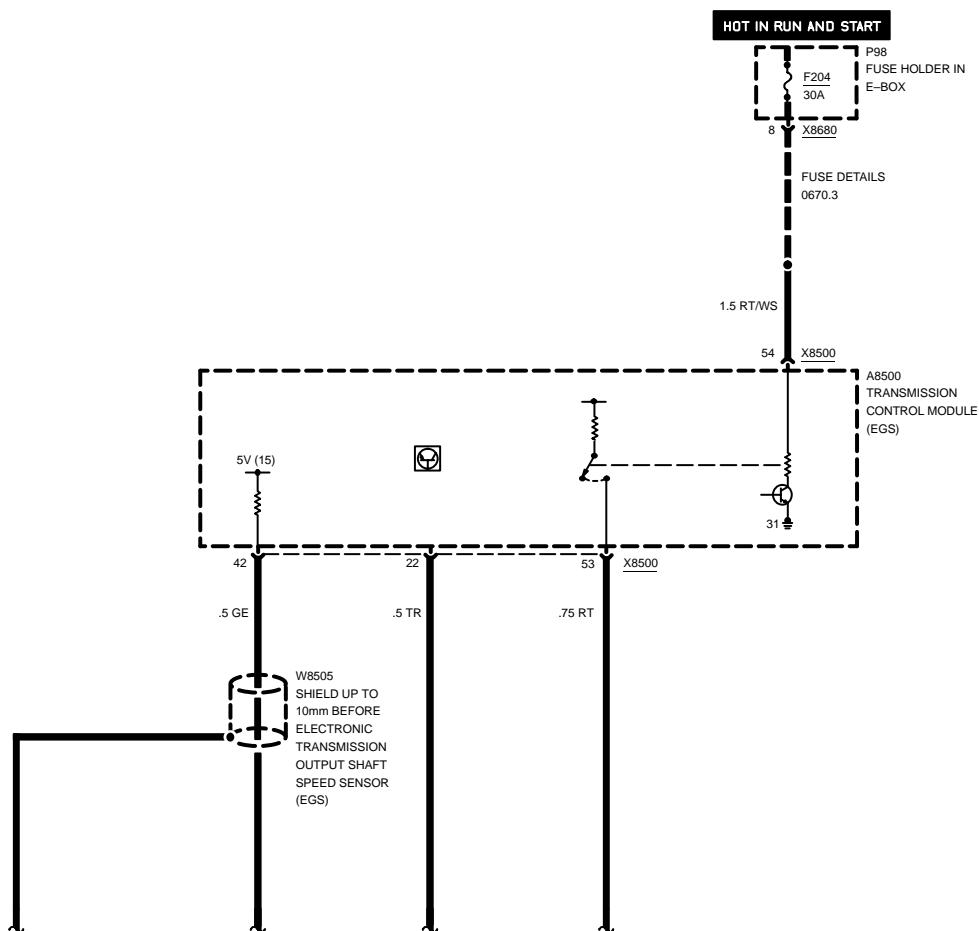
Z3

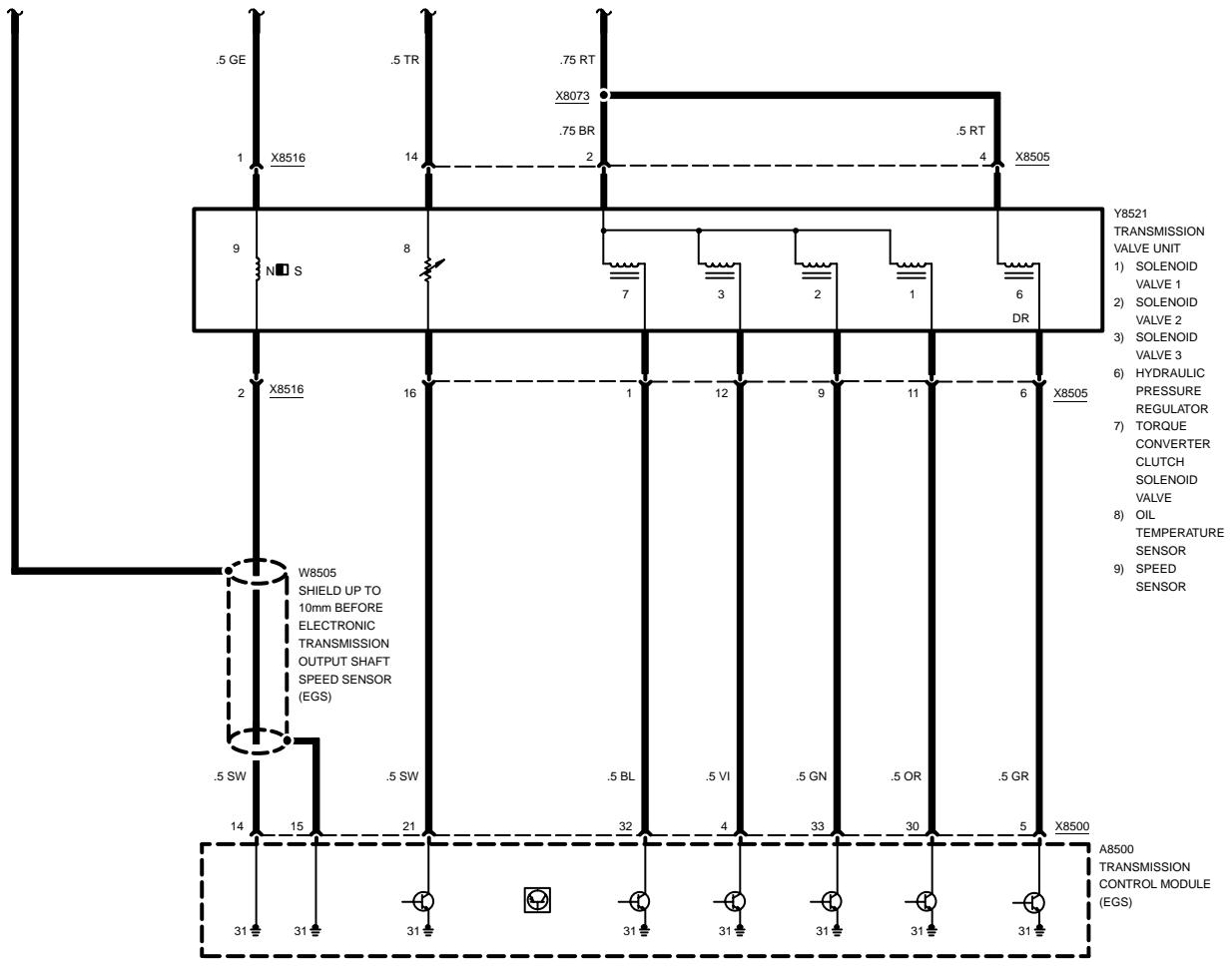


Pin Assignments

Pin	Type	Description/Function	Connection
71		Not used	
72		Not used	
73		Not used	
74		Not used	
75		Not used	
76		Not used	
77		Not used	
78		Not used	
79		Not used	
80		Not used	
81		Not used	
82		Not used	
83		Not used	
84		Not used	
85		Not used	
86		Not used	
87		Not used	
88		Not used	
89		Not used	
90		Not used	
91		Not used	
92		Not used	
93		Not used	
94	E/A	Can-Low	Engine control module
95	E/A	Can-High	Engine control module
96		Not used	
97	E/A	TxD diagnostic data link	Engine control module

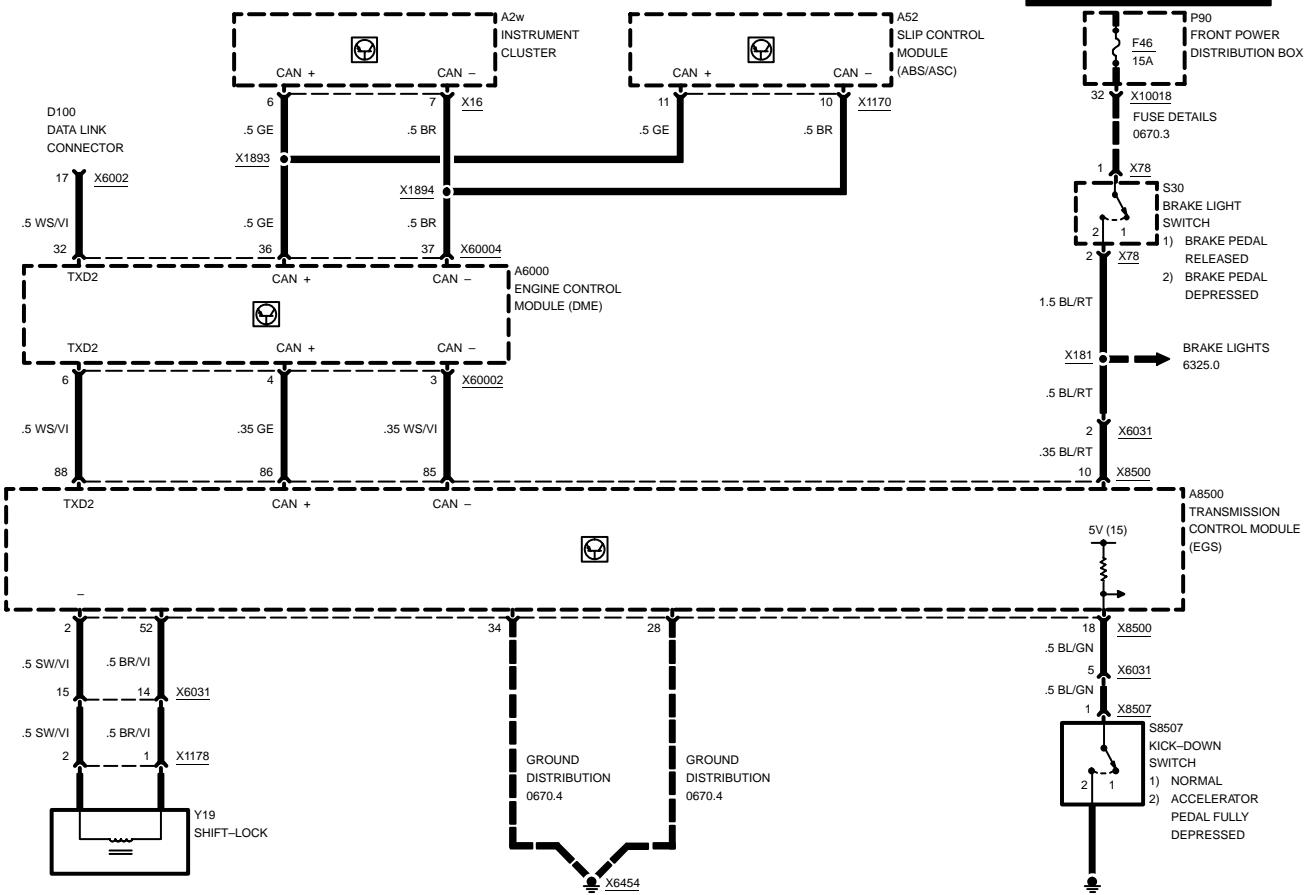
E = Input, A = Output, M = Ground

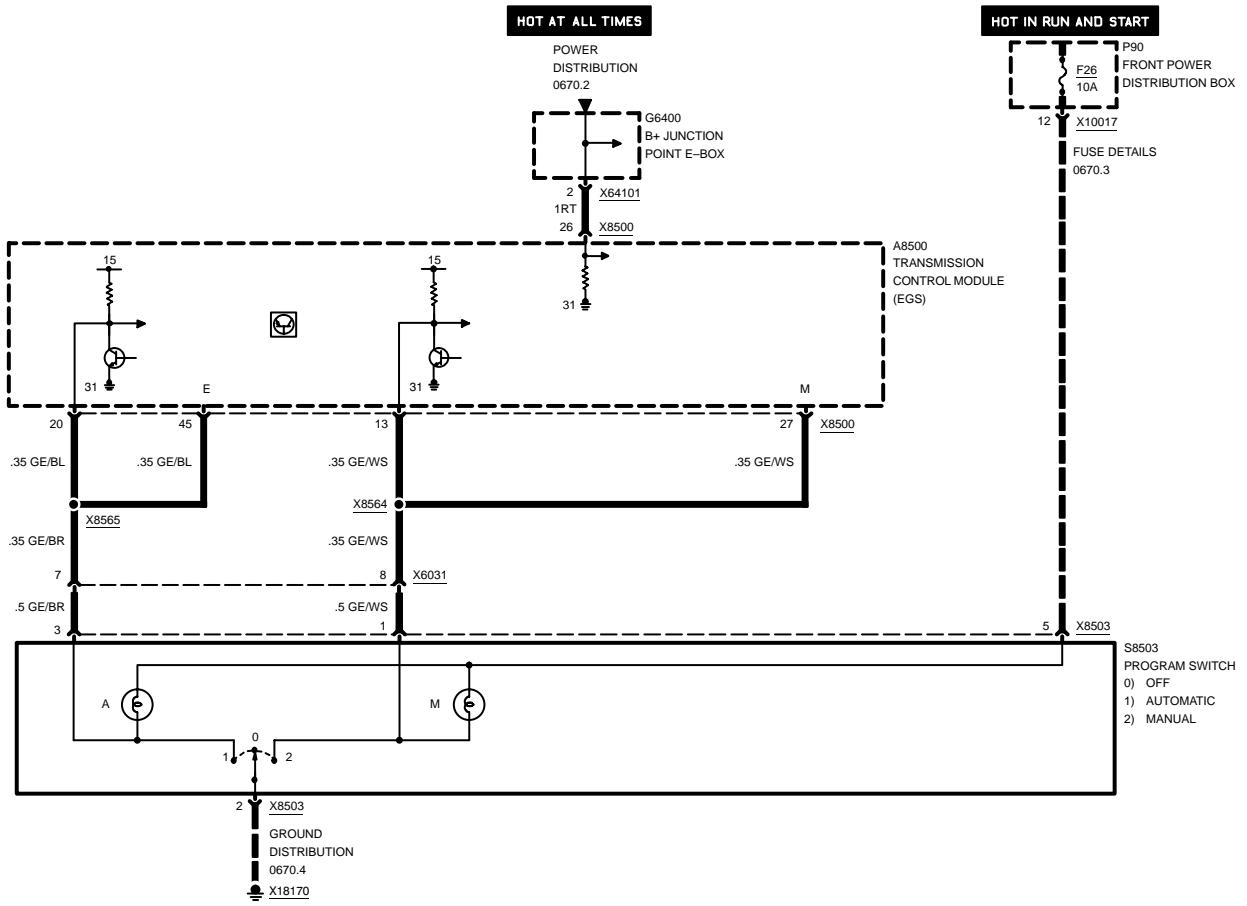
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)



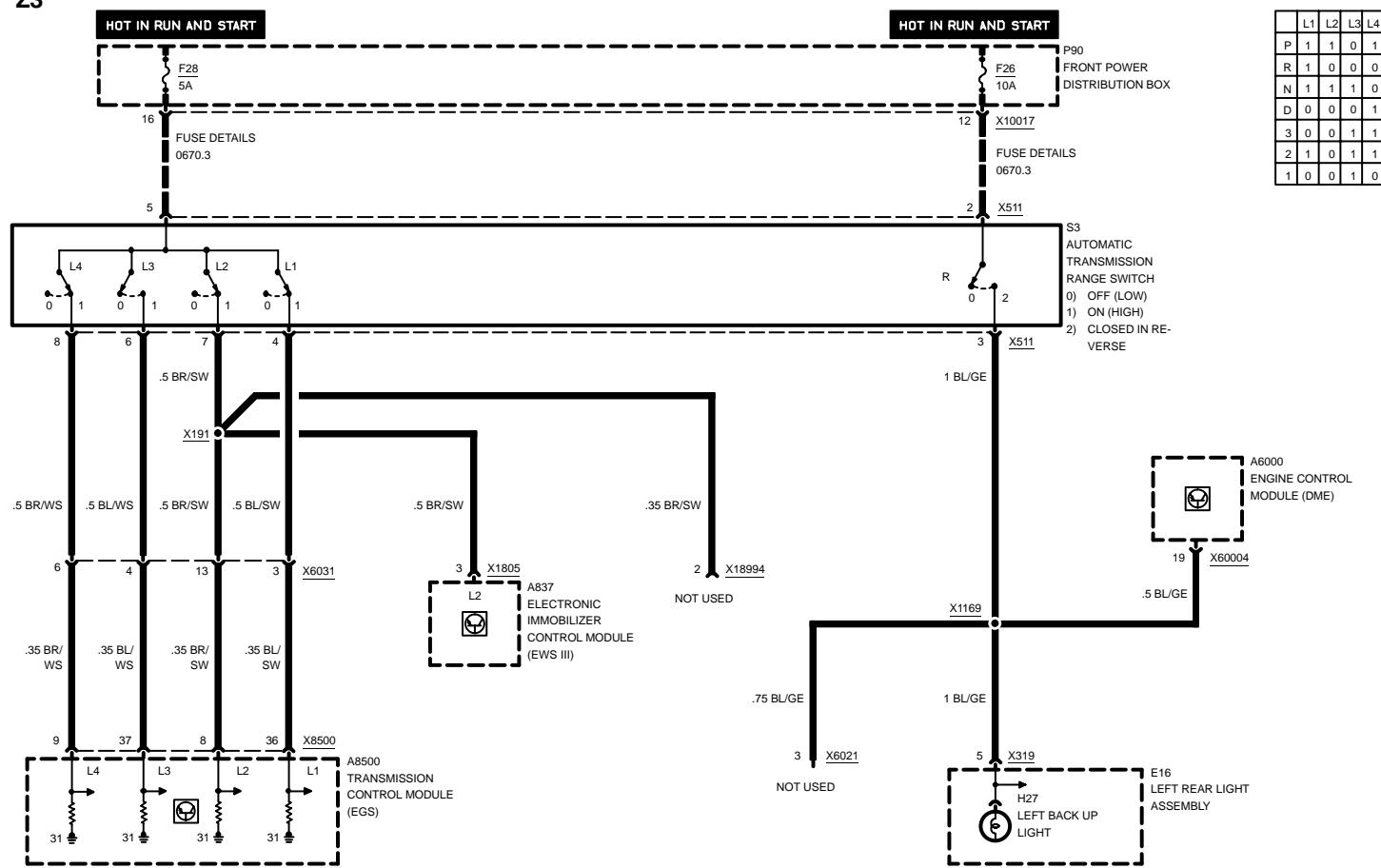
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

Z3



ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

ELECTRONIC TRANSMISSION CONTROL (EGS A4S 270R)

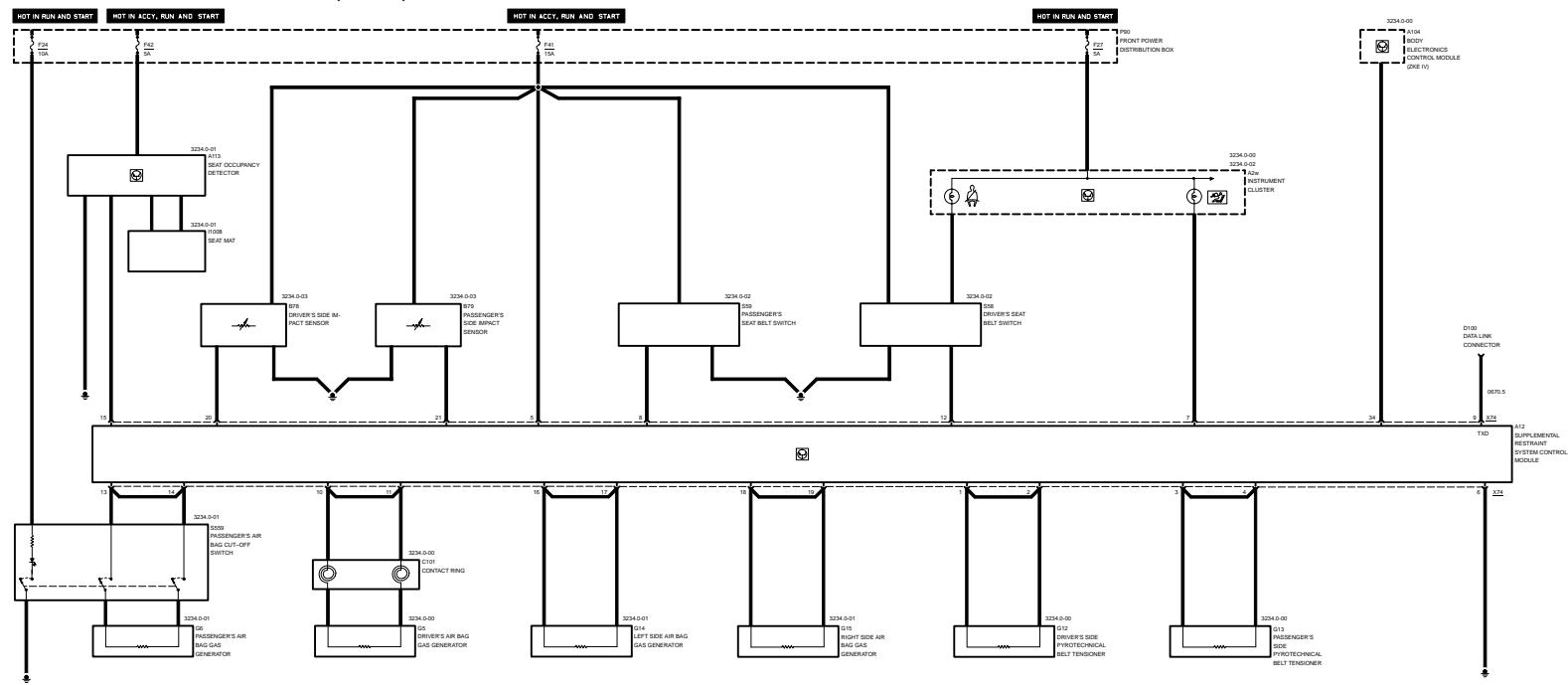


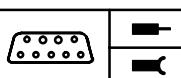
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

03/00

3234.0

1999





Pin Assignments

X74

Pin	Type	Description/Function	Connection
1	A	Pyrotechnical belt tensioner (+)	Driver's side pyrotechnical belt tensioner
2	A	Pyrotechnical belt tensioner (-)	Driver's side pyrotechnical belt tensioner
3	A	Pyrotechnical belt tensioner (+)	Passenger's side pyrotechnical belt tensioner
4	A	Pyrotechnical belt tensioner (-)	Passenger's side pyrotechnical belt tensioner
5	E	Power supply	Front power distribution box, fuse 41
6	M	Ground	Ground point
7	A	Air bag warning indicator	Instrument cluster
8	E	Belt switch	Passenger's seat belt switch
9	E/A	TxD diagnostic data line	Data link connector
10	A	Air bag (+)	Driver's air bag gas generator
11	A	Air bag (-)	Driver's air bag gas generator
12	E	Belt switch	Driver's seat belt switch
13	A	Air bag (+)	Passenger's air bag gas generator
14	A	Air bag (-)	Passenger's air bag gas generator
15	E	Seat occupancy detector	Seat occupancy detector
16	A	Gas generator	Gas generator, left side air bag
17	A	Gas generator	Gas generator, left side air bag
18	A	Gas generator	Gas generator, right side air bag
19	A	Gas generator	Gas generator, right side air bag
20	E	Impact sensor	Driver's side impact sensor
21	E	Impact sensor	Passenger's side impact sensor
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	
27		Not used	
28		Not used	
29		Not used	

E = Input, A = Output, M = Ground



03/00

3234.0-b

1999

Z3



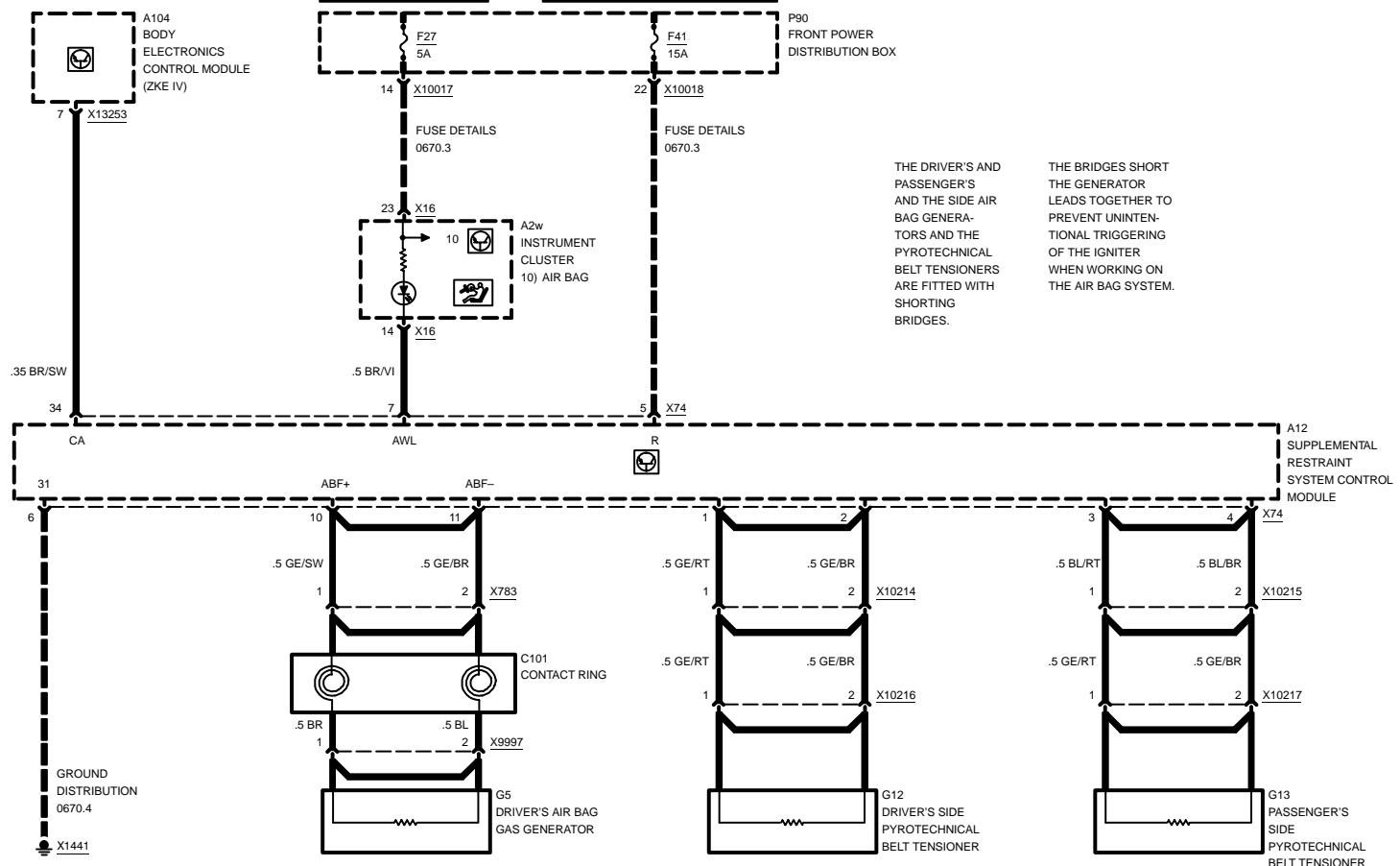
Pin Assignments

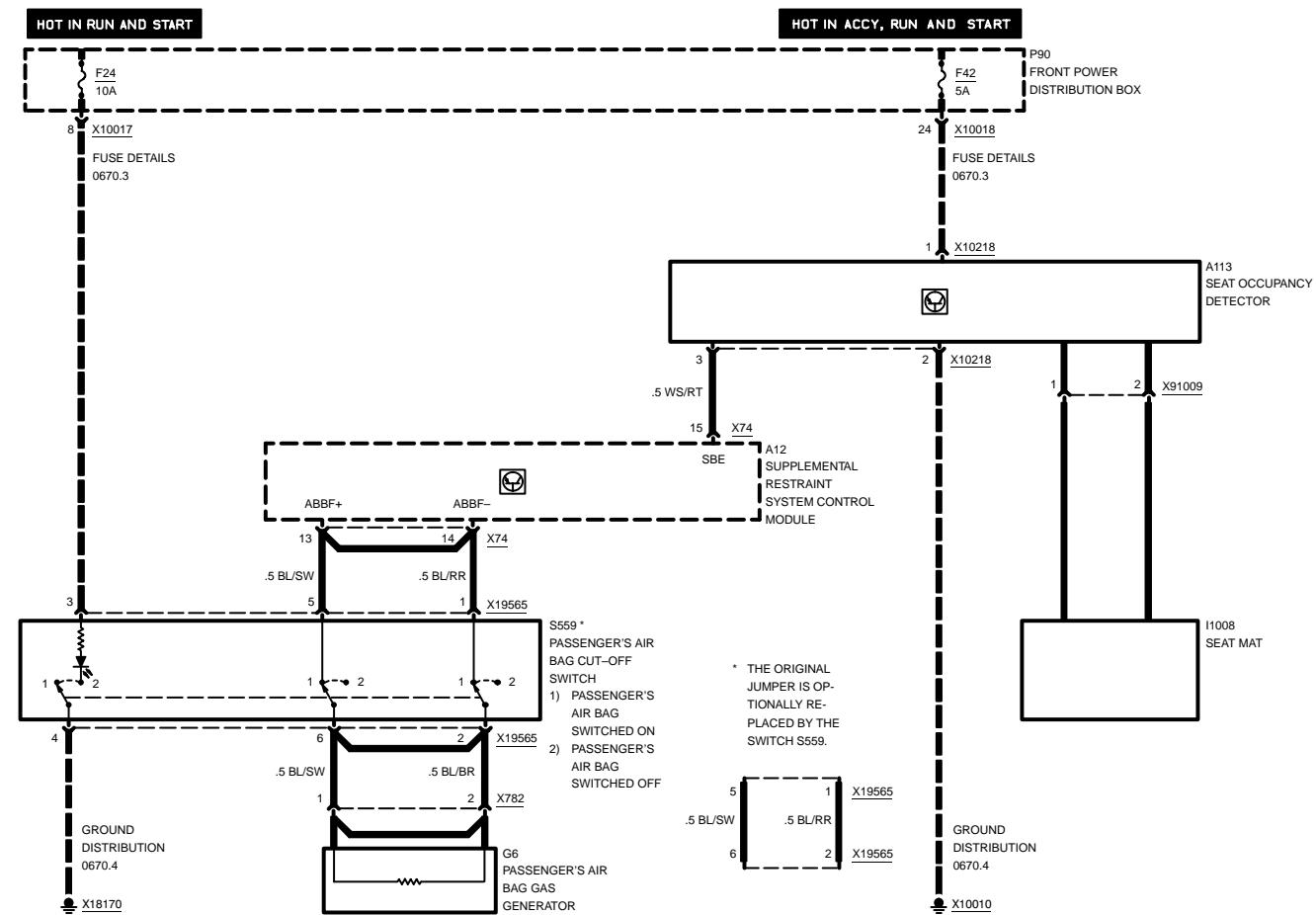
Pin	Type	Description/Function	Connection
30		Not used	
31		Not used	
32		Not used	
33		Not used	
34	A	Crash signal	Body electronics control module (ZKE IV)
35		Not used	
36		Not used	
37		Not used	
38		Not used	
39		Not used	
40		Not used	
41		Not used	
42		Not used	
43		Not used	
44		Not used	
45		Not used	
46		Not used	
47		Not used	
48		Not used	
49		Not used	
50		Not used	

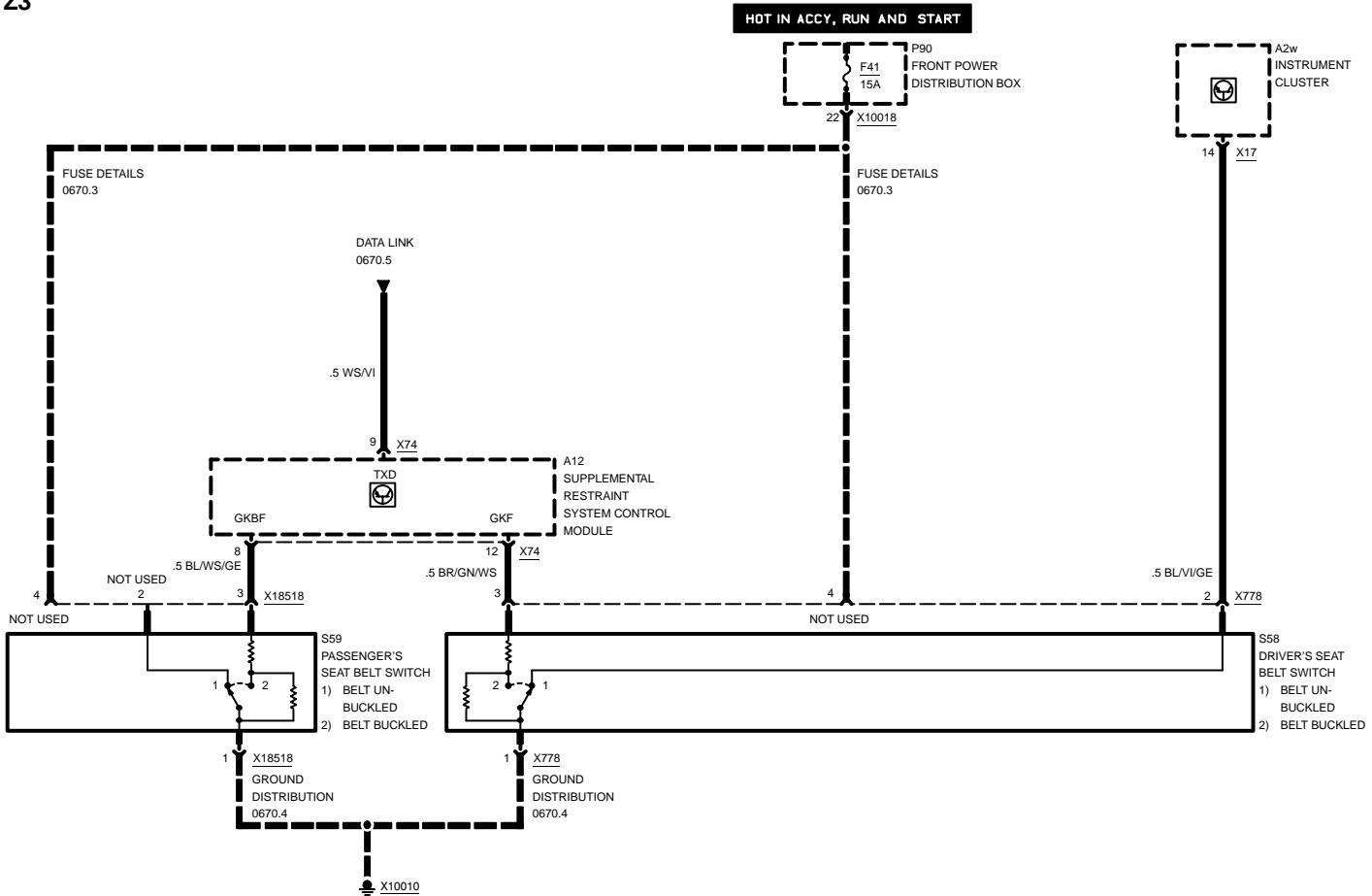
E = Input, A = Output, M = Ground

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

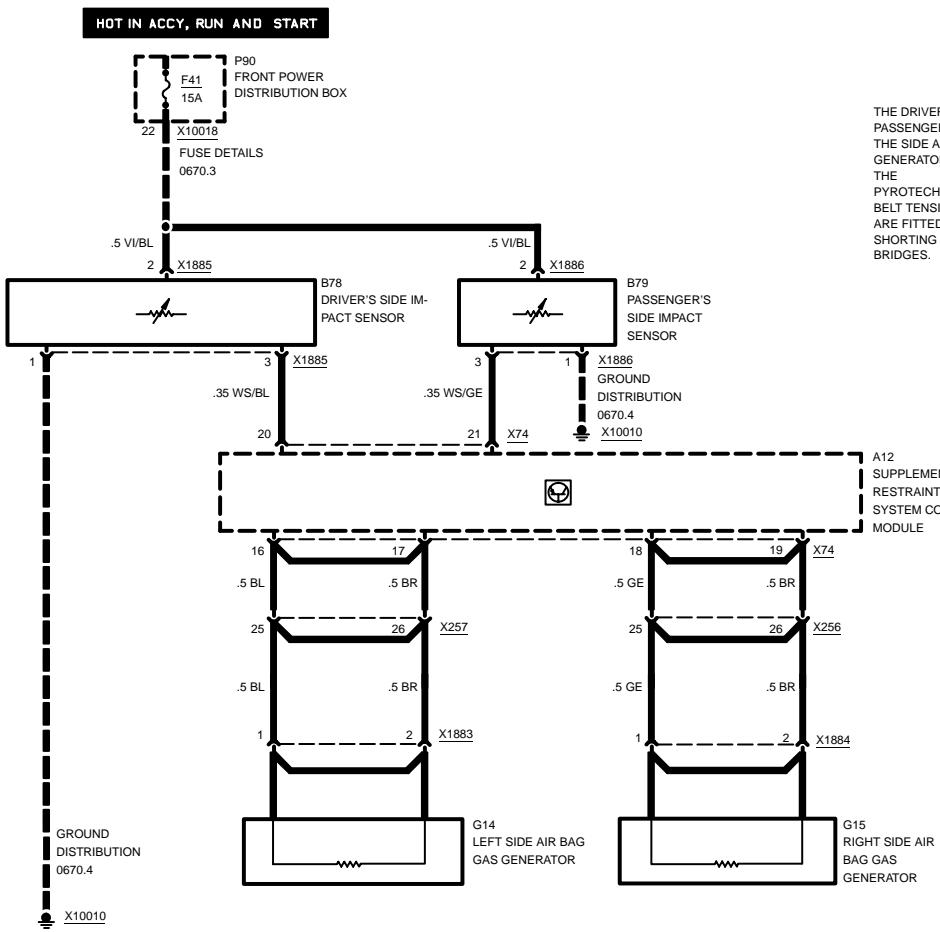
Z3





SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG) SIDE AIR BAG

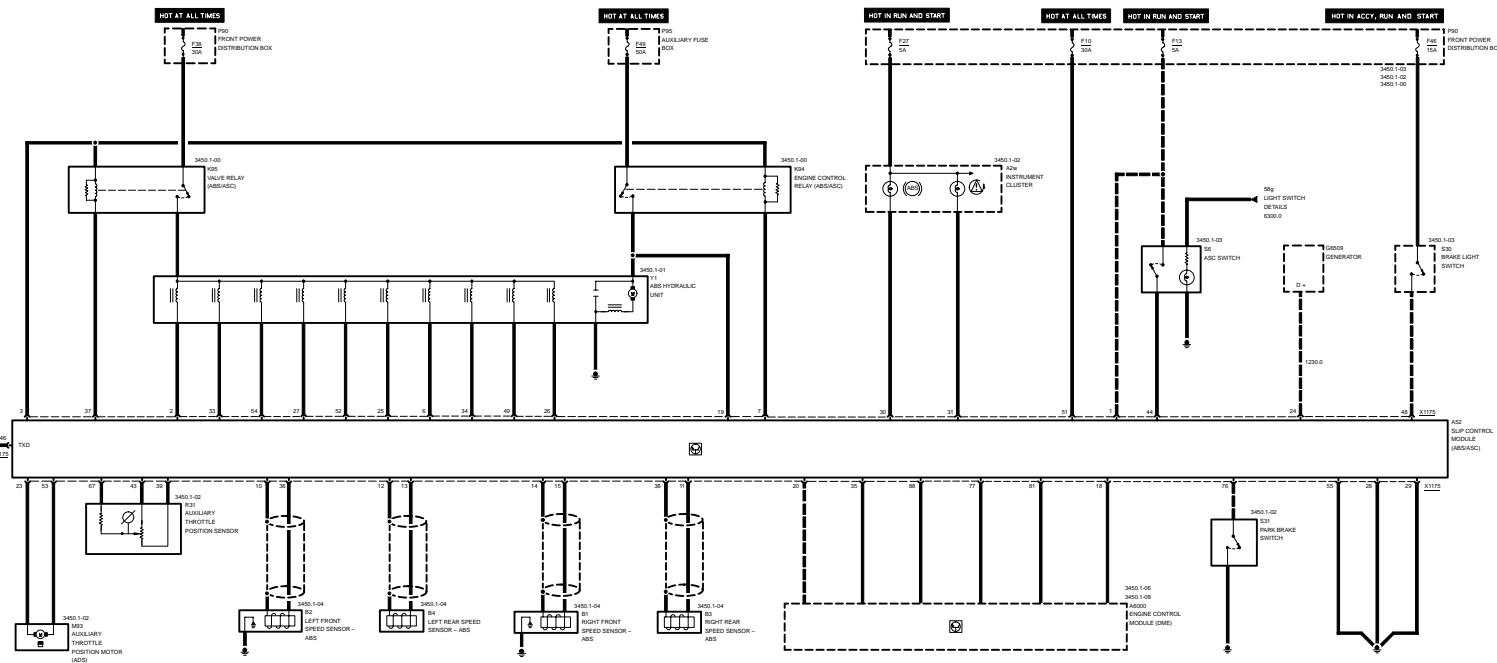


THE DRIVER'S AND
PASSENGER'S AND
THE SIDE AIR BAG
GENERATORS AND
THE
PYROTECHNICAL
BELT TENSIONERS
ARE FITTED WITH
SHORTING
BRIDGES.
THE BRIDGES
SHORT THE
GENERATOR
LEADS TOGETHER
TO PREVENT
UNINTENTIONAL
TRIGGERING OF
THE IGNITER
WHEN WORKING
ON THE AIR BAG
SYSTEM.

3450.1 SLIP CONTROL (ABS/ASC)

03/00 ————— 3450.1a ————— 1999

M VERSIONS



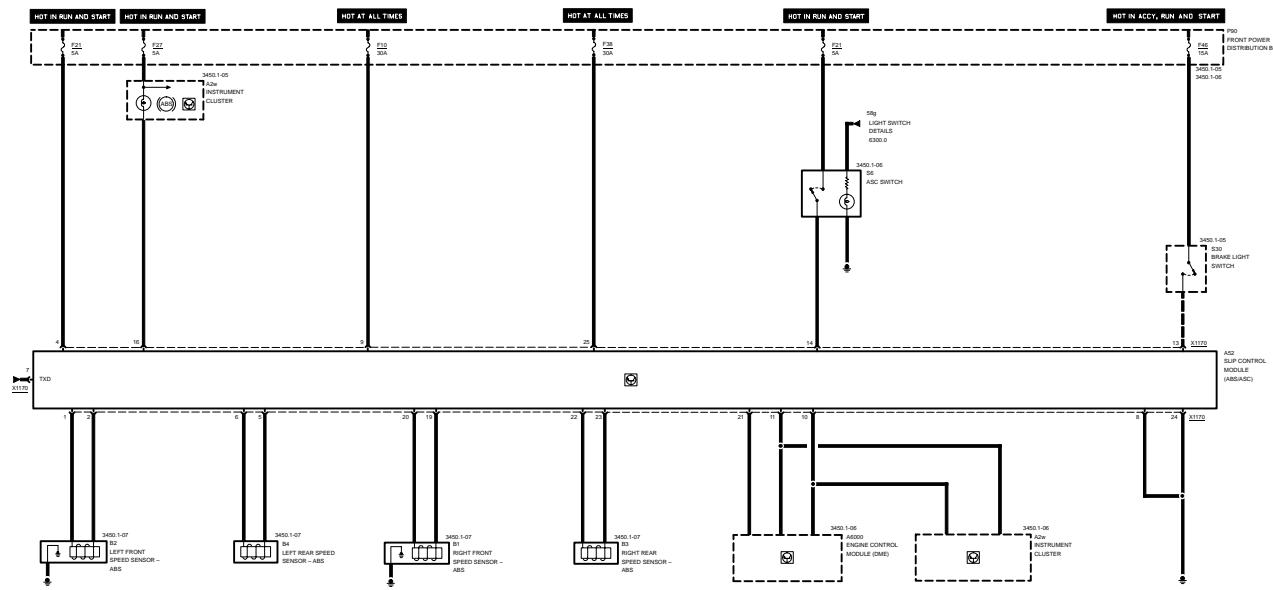
SLIP CONTROL (ABS/ASC)

03/00

3450.1b

1999

Z3 VERSIONS



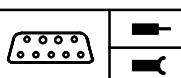


03/00

3450.1a-a

1999

Z3



Pin Assignments

X1175

Pin	Type	Description/Function	Connection
51	E	Voltage supply	Fuse 13
52	A	Left front inlet valve	ABS hydraulic unit
53	A	Voltage supply	Valve – Engine control relay
54		Not used	
55		Not used	
56	A	Right rear inlet valve	ABS hydraulic unit
57	A	Activate relay	Engine control relay
58		Not used	
59		Not used	
60	M	Sensor ground	ABS speed sensor front left
61	E	Speed signal	ABS speed sensor rear right
62	M	Sensor ground	ABS speed sensor rear left
63	E	Speed signal	ABS speed sensor rear left
64	M	Sensor ground	ABS speed sensor front right
65	E	Speed signal	ABS speed sensor front right
66		Not used	
67		Not used	
68	E	Engine signal 1	Engine control module (DME)
69	E	Relay activation feedback	Engine control relay
70	E	Speed signal	Engine control module (DME)
71		Not used	
72		Not used	
73	A	ADS step motor (+)	ADS step motor
74	E	Charge indicator	Generator
75	A	Left rear outlet valve	ABS hydraulic unit
76	A	Shut-off valve (ASC)	ABS hydraulic unit
77	A	Right front outlet valve	ABS hydraulic unit
78	M	Ground	Ground point
79	M	Ground	Ground point
80	A	ABS lamp control	Instrument cluster

E = Input, A = Output, M = Ground



Z3

03/00

3450.1a-b

1999



Pin Assignments

Pin	Type	Description/Function	Connection
81	A	ASC lamp control	Instrument cluster
82		Not used	
83	A	Left front outlet valve	ABS hydraulic unit
84	A	Right rear outlet valve	ABS hydraulic unit
85	A	Right rear speed signal	Engine control module (DME)
86	E	Speed signal	ABS speed sensor front left
87	A	Activate relay	Valve relay
88	M	Sensor ground	ABS speed sensor rear right
89	A	Throttle position sensor (-)	Auxiliary throttle position sensor
90		Not used	
91		Not used	
92		Not used	
93	A	Throttle position sensor (+)	Auxiliary throttle position sensor
94	E	ASC-ON-signal	ASC switch
95		Not used	
96	E/A	TXD signal	Diagnostic link
97		Not used	
98	E	Brake signal	Brake light switch
99	A	Changeover valve (ASC)	ABS hydraulic unit
100		Not used	
101	E	Voltage supply	Fuse 10
102	A	Left rear inlet valve	ABS hydraulic unit
103	A	ADS step motor (-)	ADS step motor
104	A	Right front inlet valve	ABS hydraulic unit
105	M	Ground	Ground point
106		Not used	
107		Not used	
108		Not used	
109		Not used	
110		Not used	
111		Not used	
112		Not used	

E = Input, A = Output, M = Ground

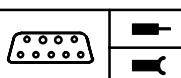


03/00

3450.1a-c

1999

Z3



Pin Assignments

Pin	Type	Description/Function	Connection
113		Not used	
114		Not used	
115		Not used	
116		Not used	
117	E	ASC throttle flap signal	Auxiliary throttle position sensor
118		Not used	
119		Not used	
120		Not used	
121		Not used	
122		Not used	
123		Not used	
124		Not used	
125		Not used	
126	E	Signal park brake set	Park brake switch
127	E	Engine signal 3	Engine control module (DME)
128		Not used	
129		Not used	
130		Not used	
131	E	Engine signal 2	Engine control module (DME)
132		Not used	
133		Not used	
134		Not used	
135		Not used	
136		Not used	
137		Not used	
138	E	Throttle flap position	Engine control module (DME)

E = Input, A = Output, M = Ground

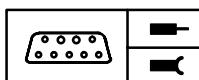


03/00

3450.1b-a

1999

Z3



Pin Assignments

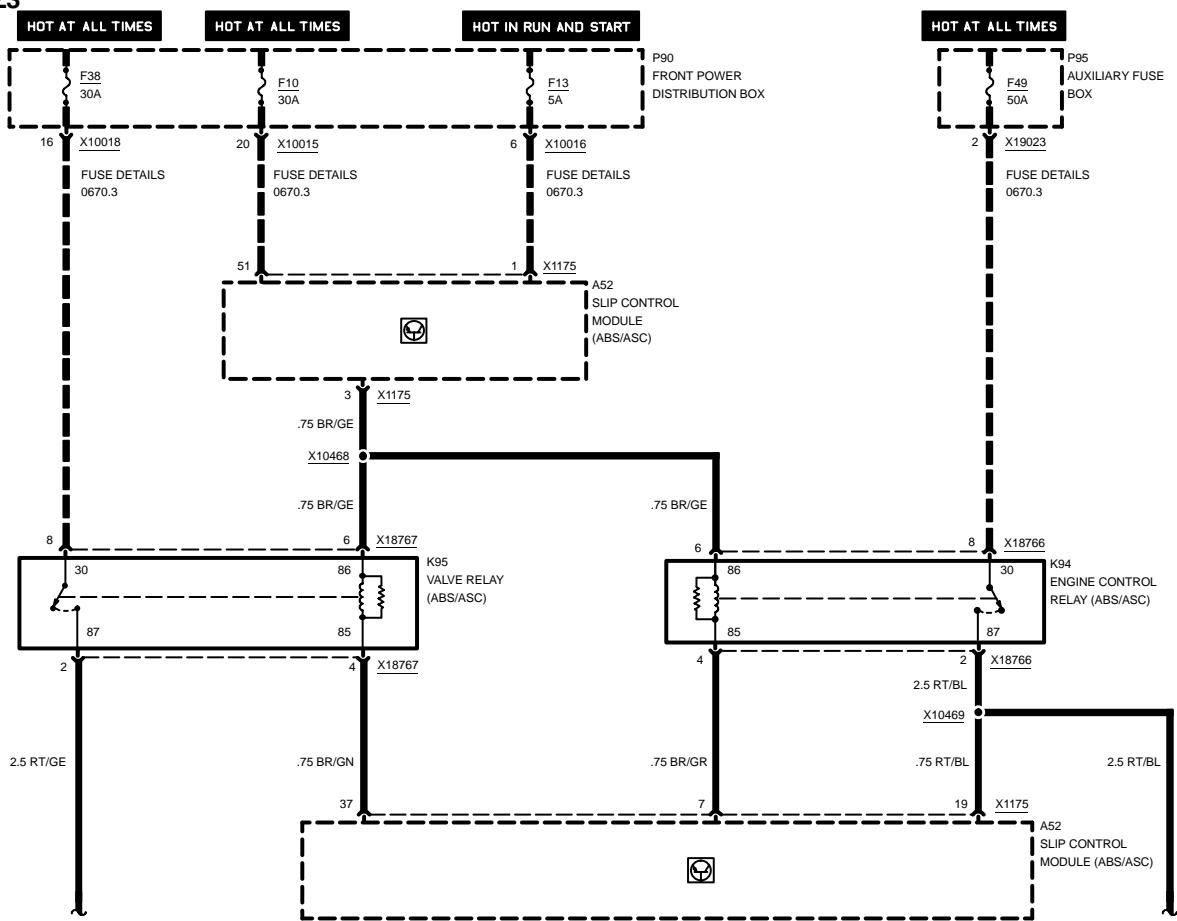
X1170

Pin	Type	Signal	Description/Function	Connection
1	M	VL-	Sensor ground	Left front speed sensor (ABS)
2	E	VL+	Speed signal	Left front speed sensor (ABS)
3			Not used	
4	E	15A21	Voltage supply	Fuse 21
5	M	HL-	Sensor ground	Left rear speed sensor (ABS)
6	E	HL+	Speed signal	Left rear speed sensor (ABS)
7	E/A	TXD	TXD signal	Diagnostic link
8	M	31L	Ground	Ground point
9	E	30<10	Voltage supply	Fuse 10
10	E/A	CAN-	CAN bus low	Instrument cluster/engine control module
11	E/A	CAN+	CAN bus high	Instrument cluster/engine control module
12			Not used	
13	E	54	Brake signal	Brake light switch
14	E	ASCS	ASC-ON-signal	ASC switch
15			Not used	
16	A	WLAS	Warning lamp	Instrument cluster
17			Not used	
18			Not used	
19	M	VR-	Sensor ground	Right front speed sensor (ABS)
20	E	VR+	Speed signal	Right front speed sensor (ABS)
21	A	DFAHR	Right rear speed signal	Engine control module (DME)
22	E	HR+	Speed signal	Right rear speed sensor (ABS)
23	M	HR-	Sensor ground	Right rear speed sensor (ABS)
24	M	31L	Ground	Ground point
25	E	30<38	Voltage supply	Fuse 38

E = Input, A = Output, M = Ground

BMW **3** **Z3** **SLIP CONTROL (ABS/ASC)**

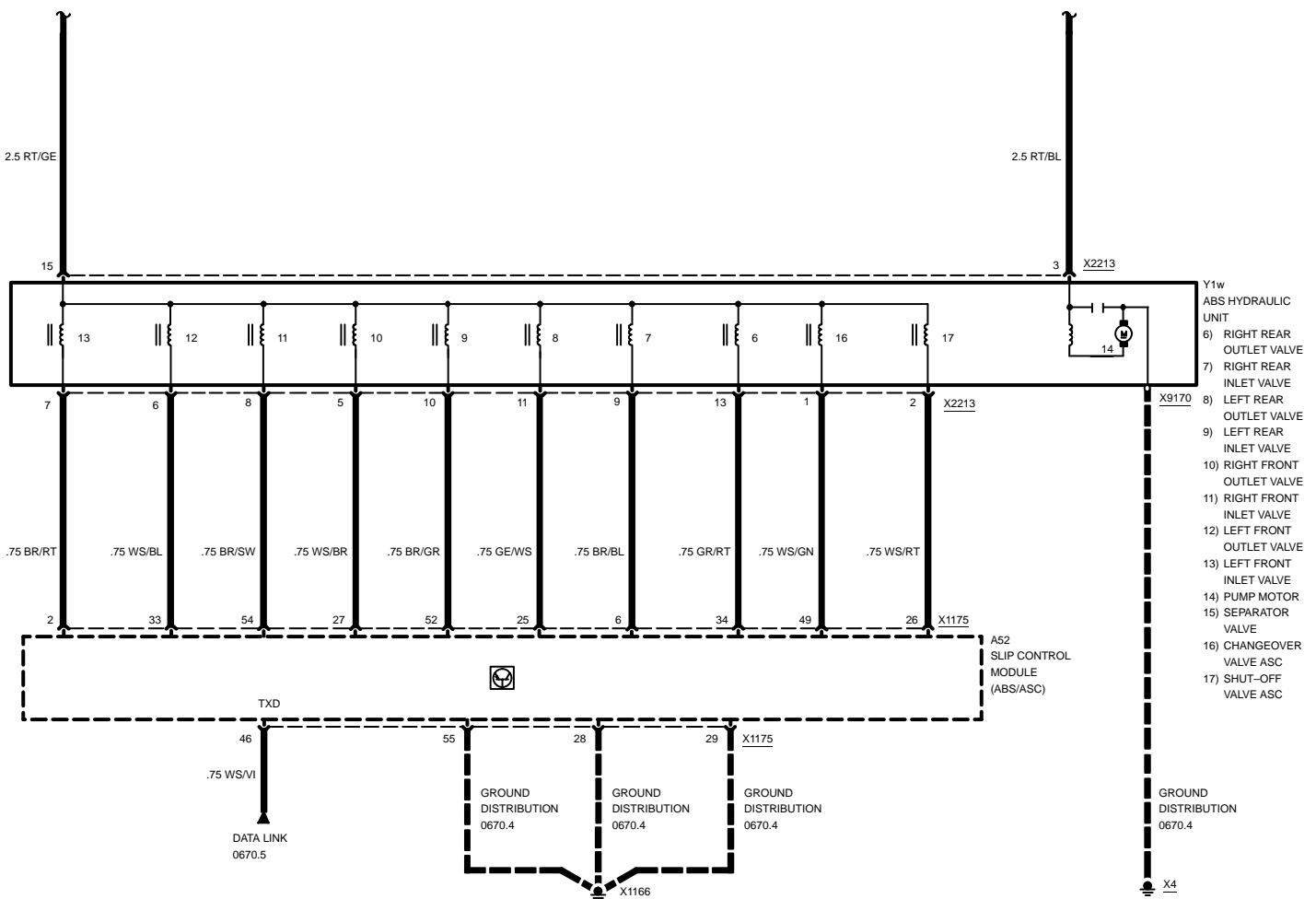
M VERSIONS

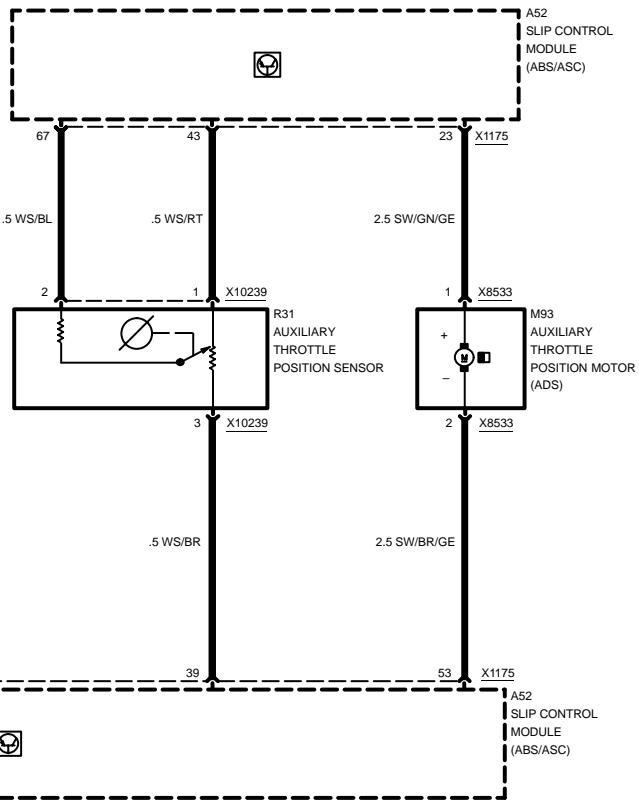
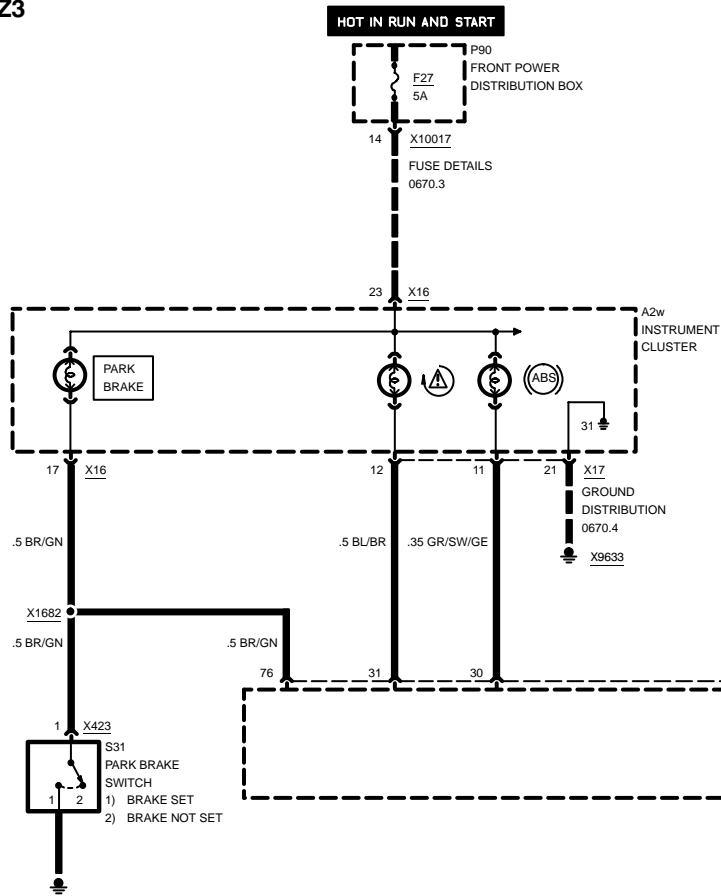


03/00

3450.1-00

1999



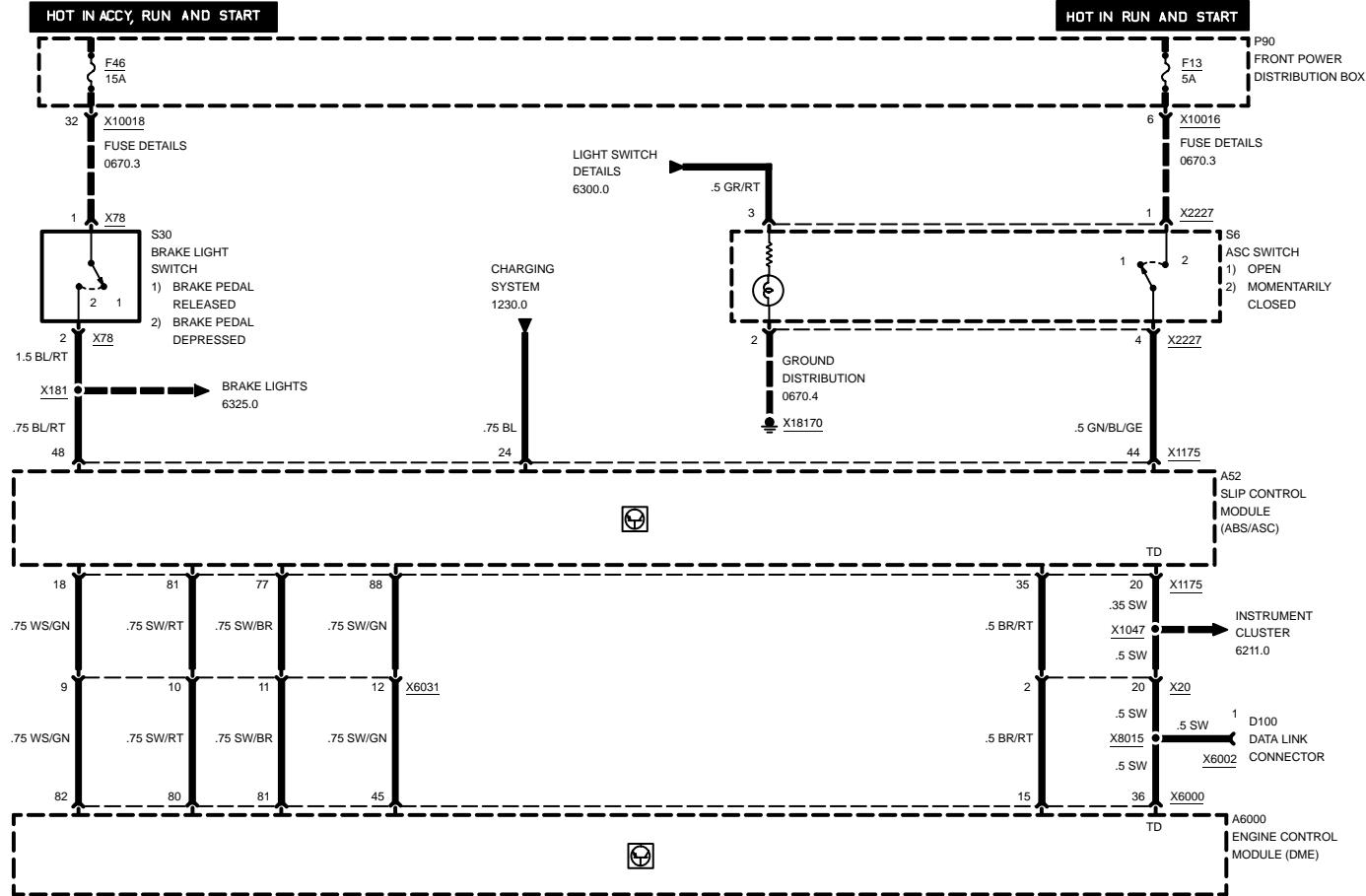
SLIP CONTROL (ABS/ASC)**M VERSIONS**



SLIP CONTROL (ABS/ASC)

M VERSIONS

Z3



03/00

3450.1-03

1999

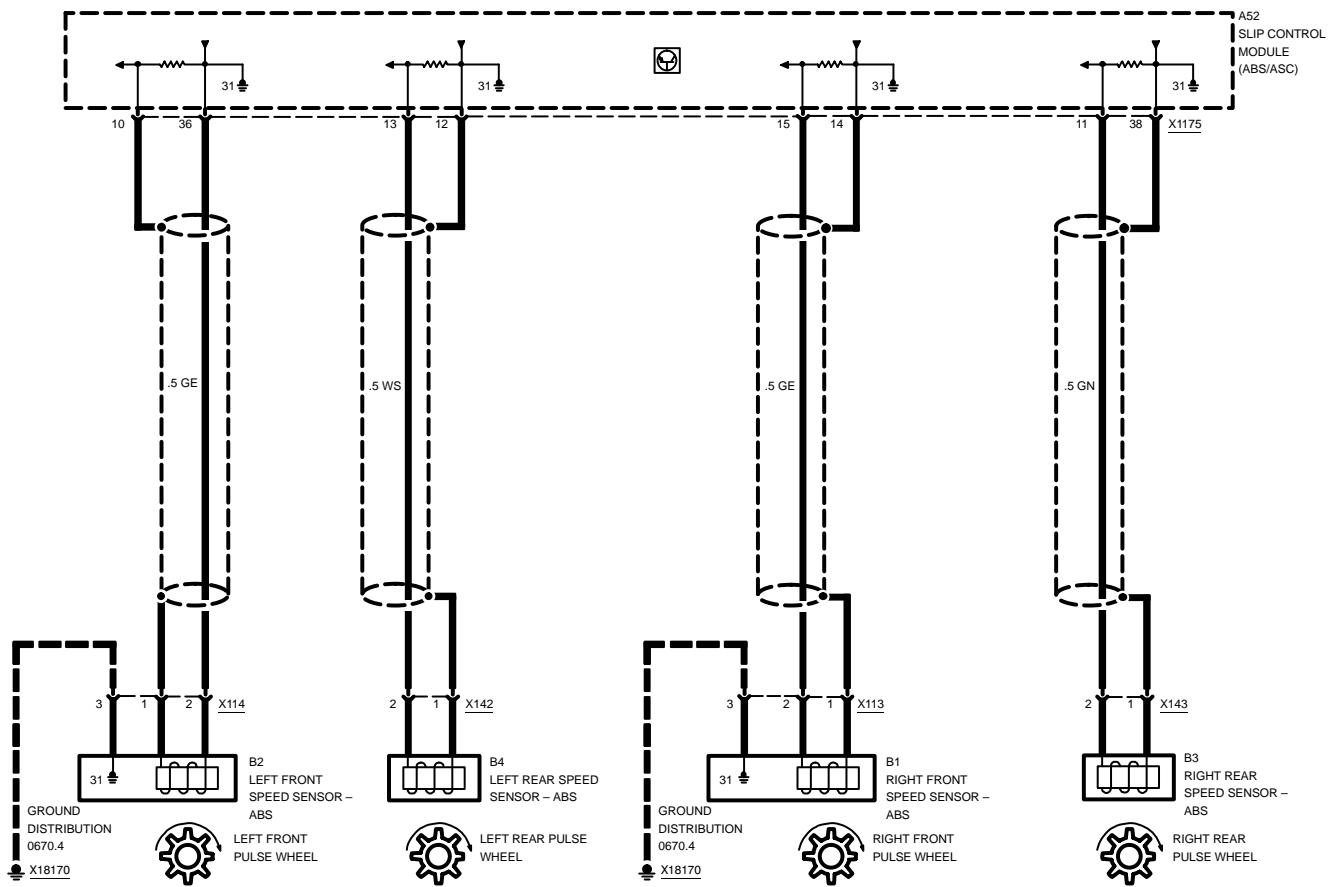
SLIP CONTROL (ABS/ASC)

M VERSIONS

03/00

3450.1-04

1999

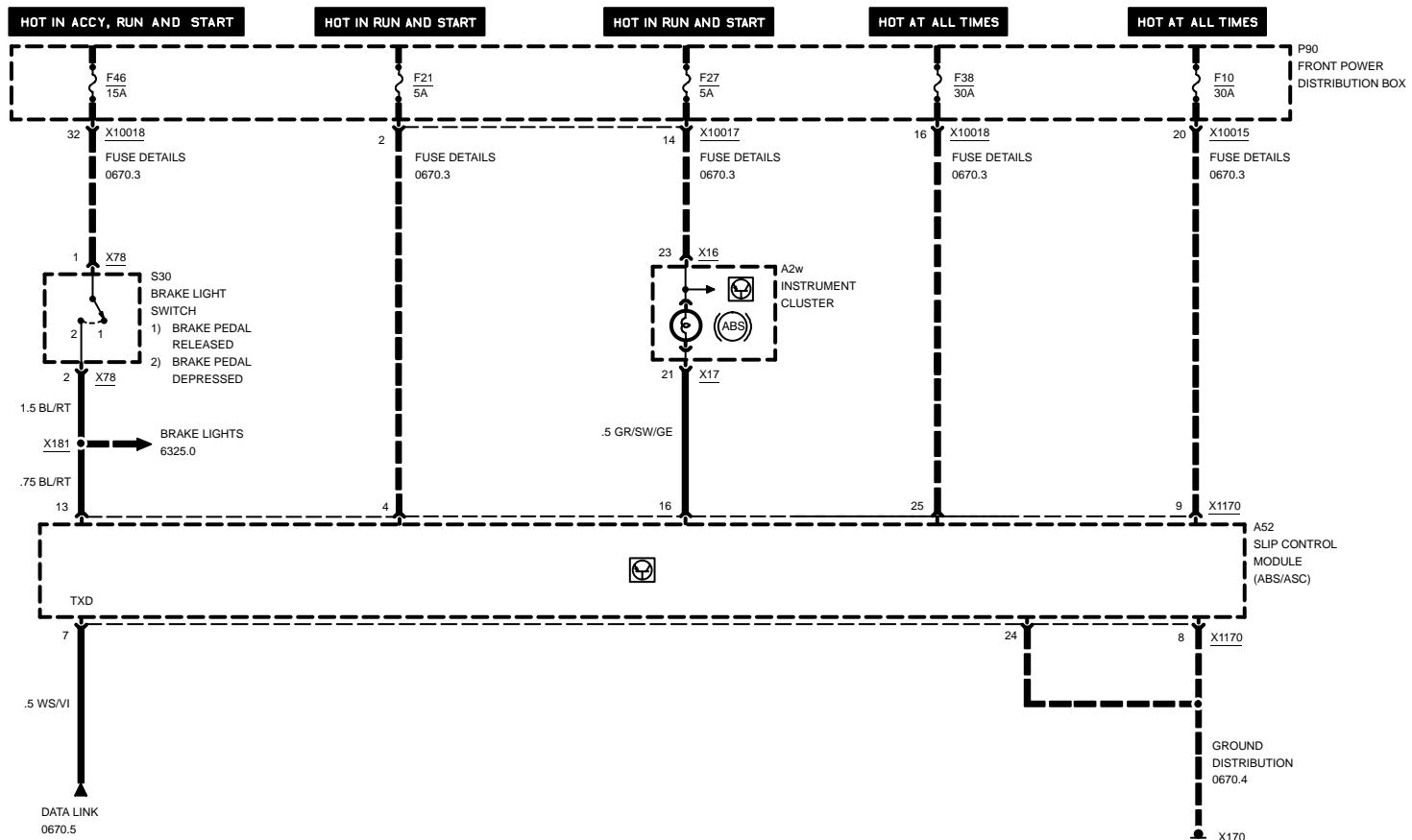




SLIP CONTROL (ABS/ASC)

Z3 VERSIONS

Z3

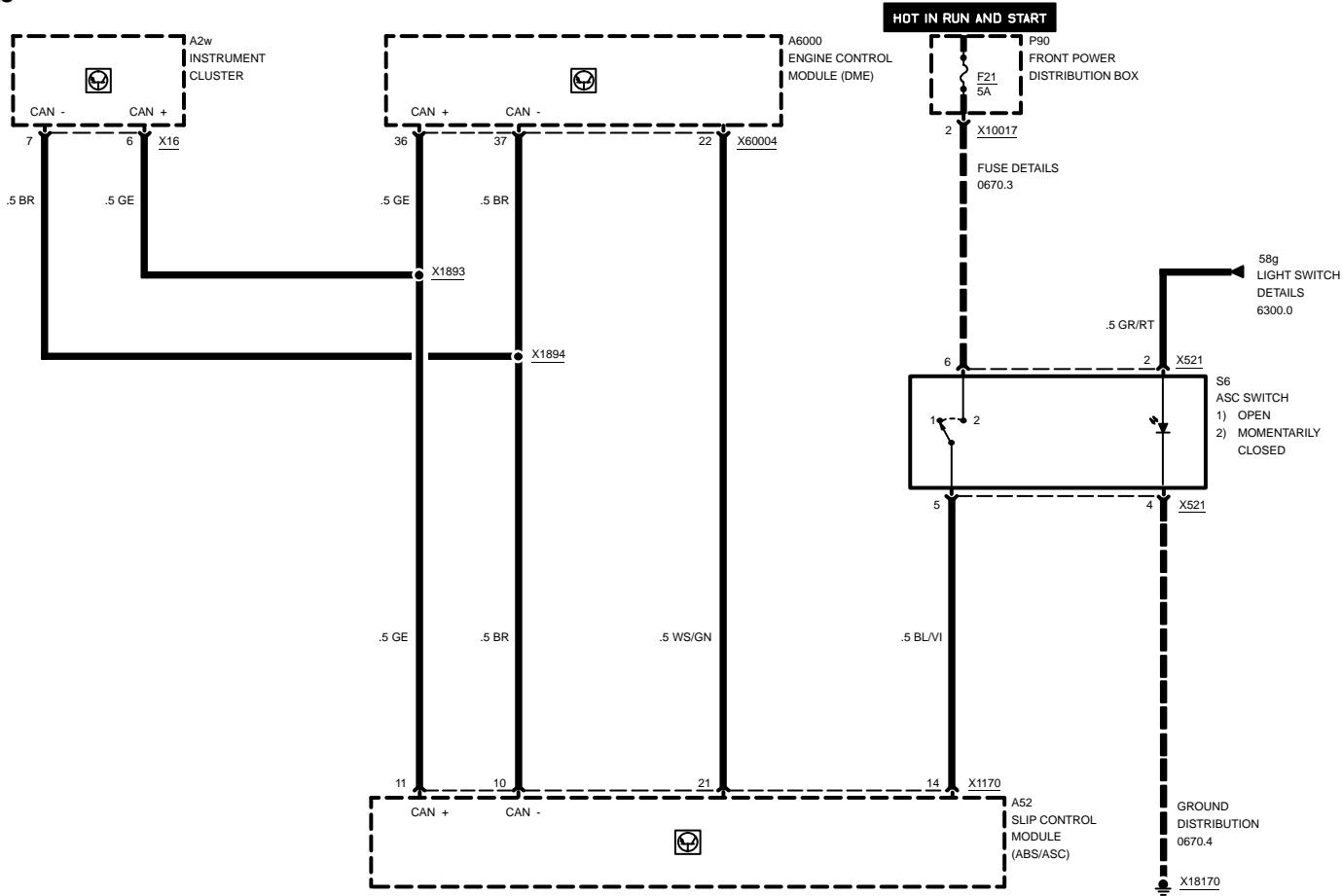


SLIP CONTROL (ABS/ASC)**Z3 VERSIONS**

03/00

3450.1-06

1999

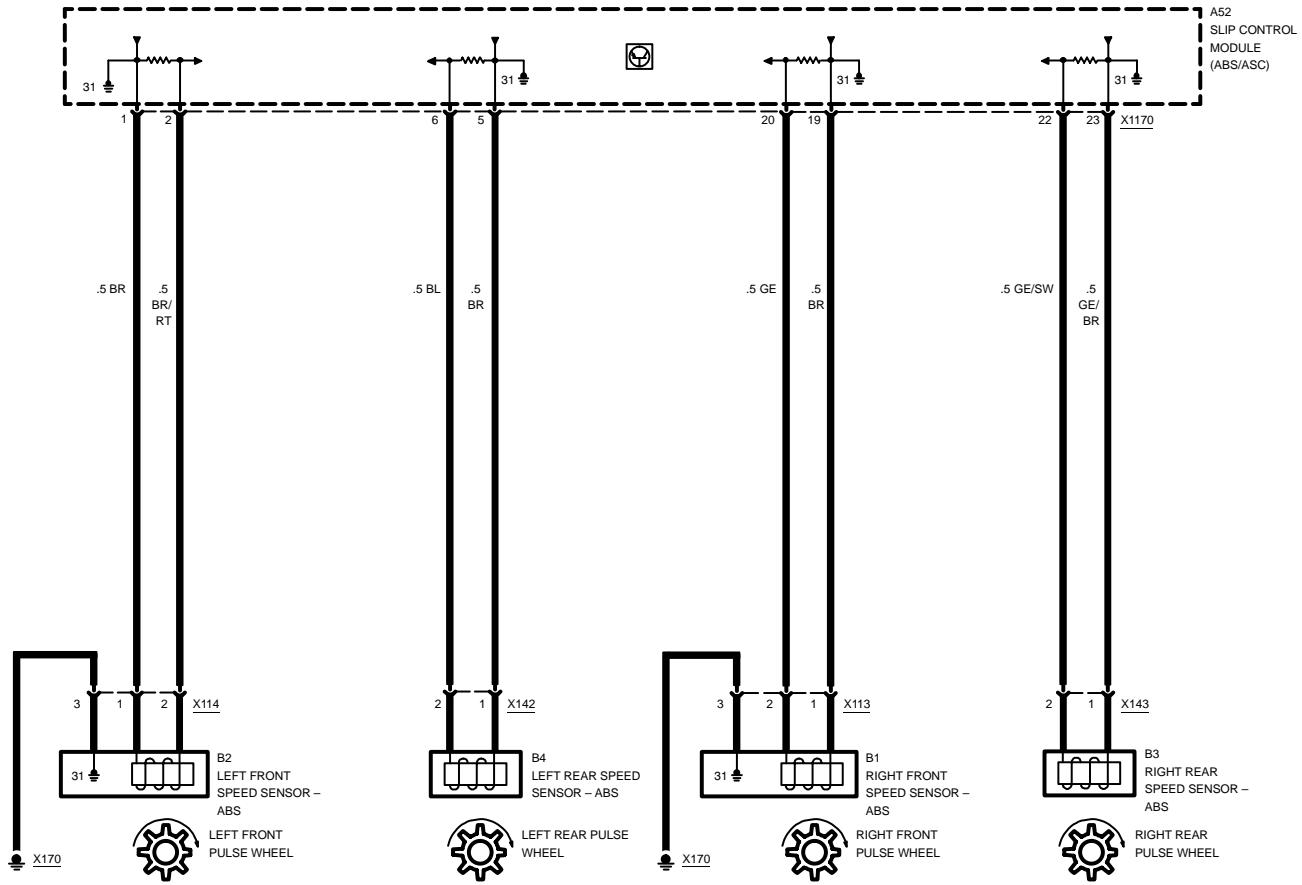


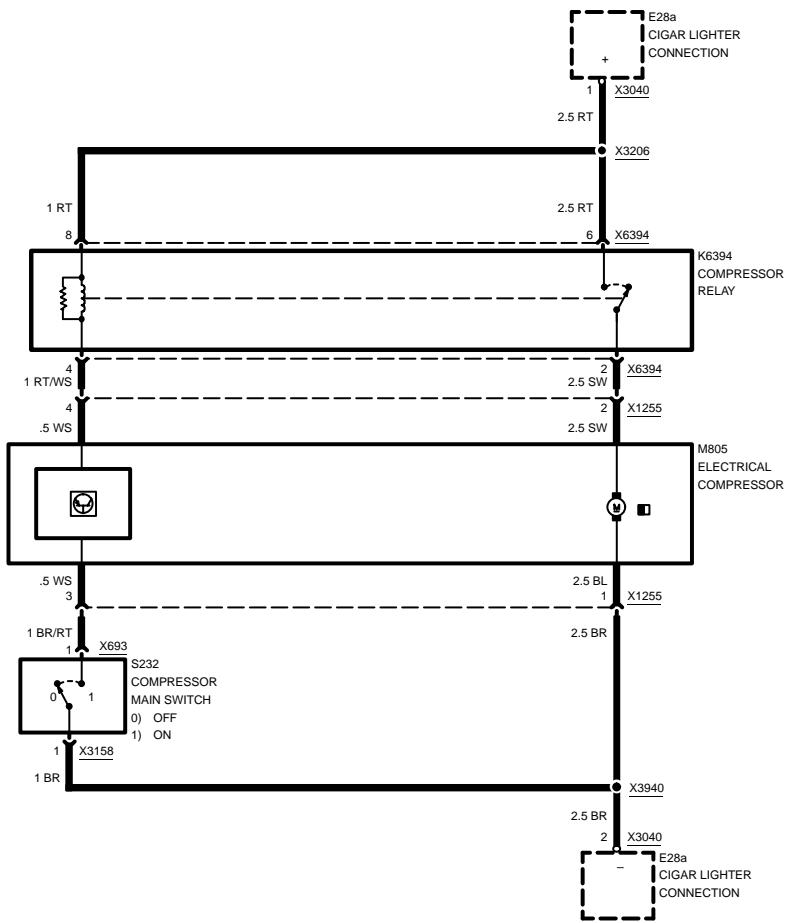
SLIP CONTROL (ABS/ASC)**Z3 VERSIONS**

03/00

3450.1-07

1999





BMW
3
Z3

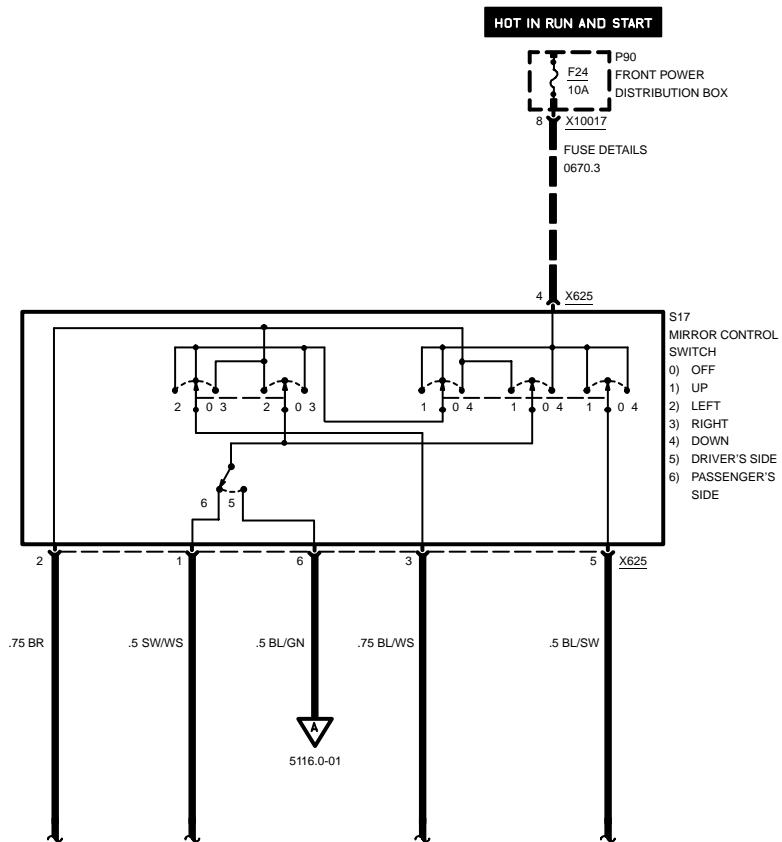
5116.0 POWER MIRRORS

OUTSIDE MIRROR

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5116.0-00

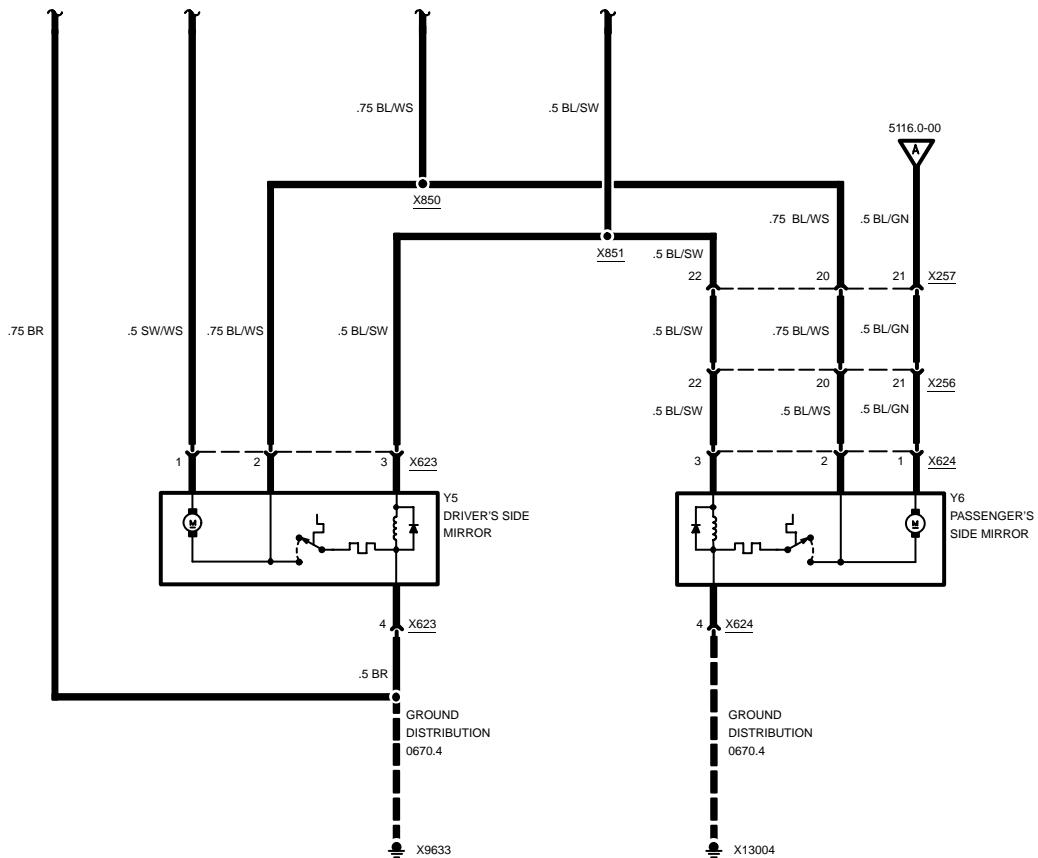
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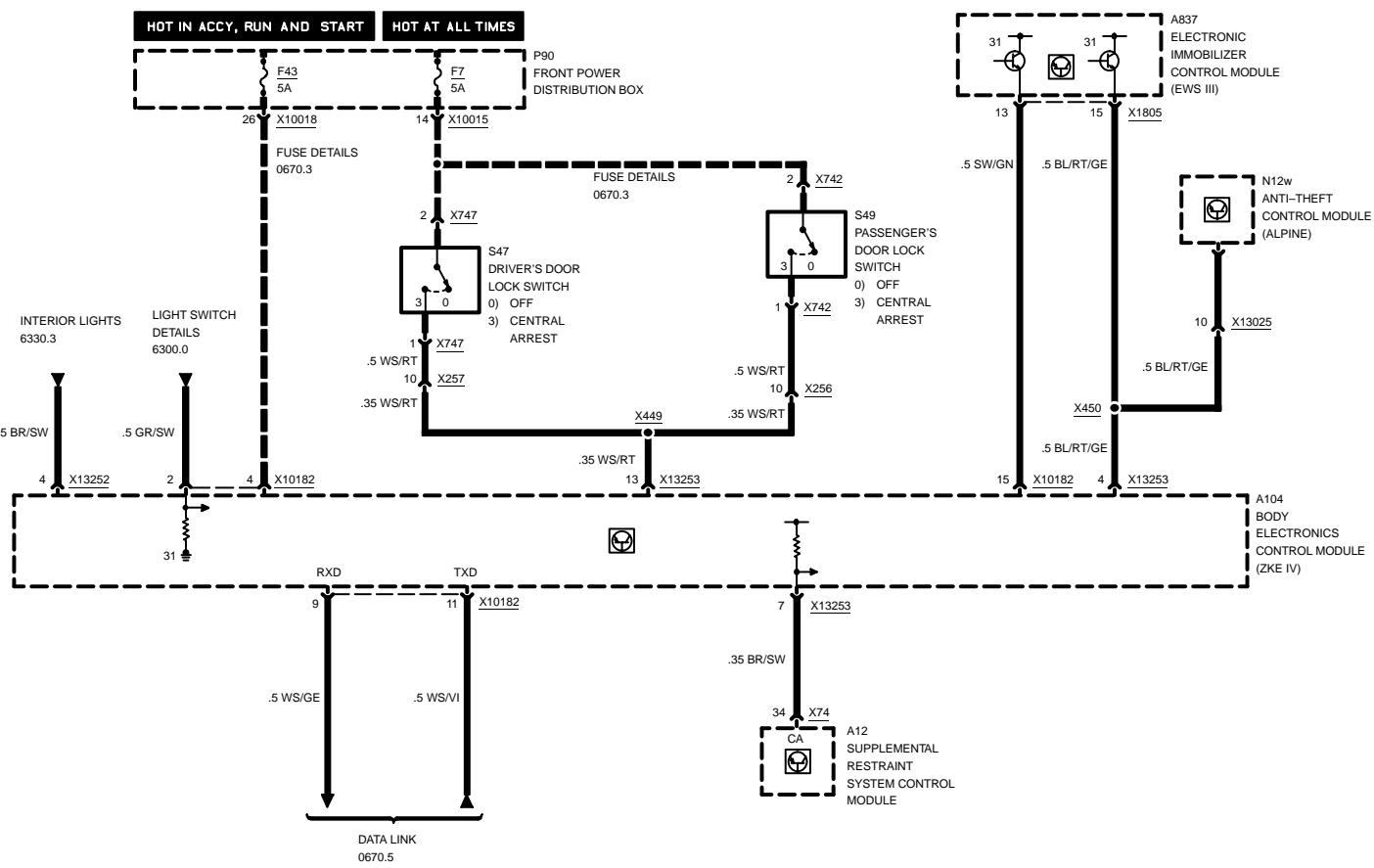
5116.0-01

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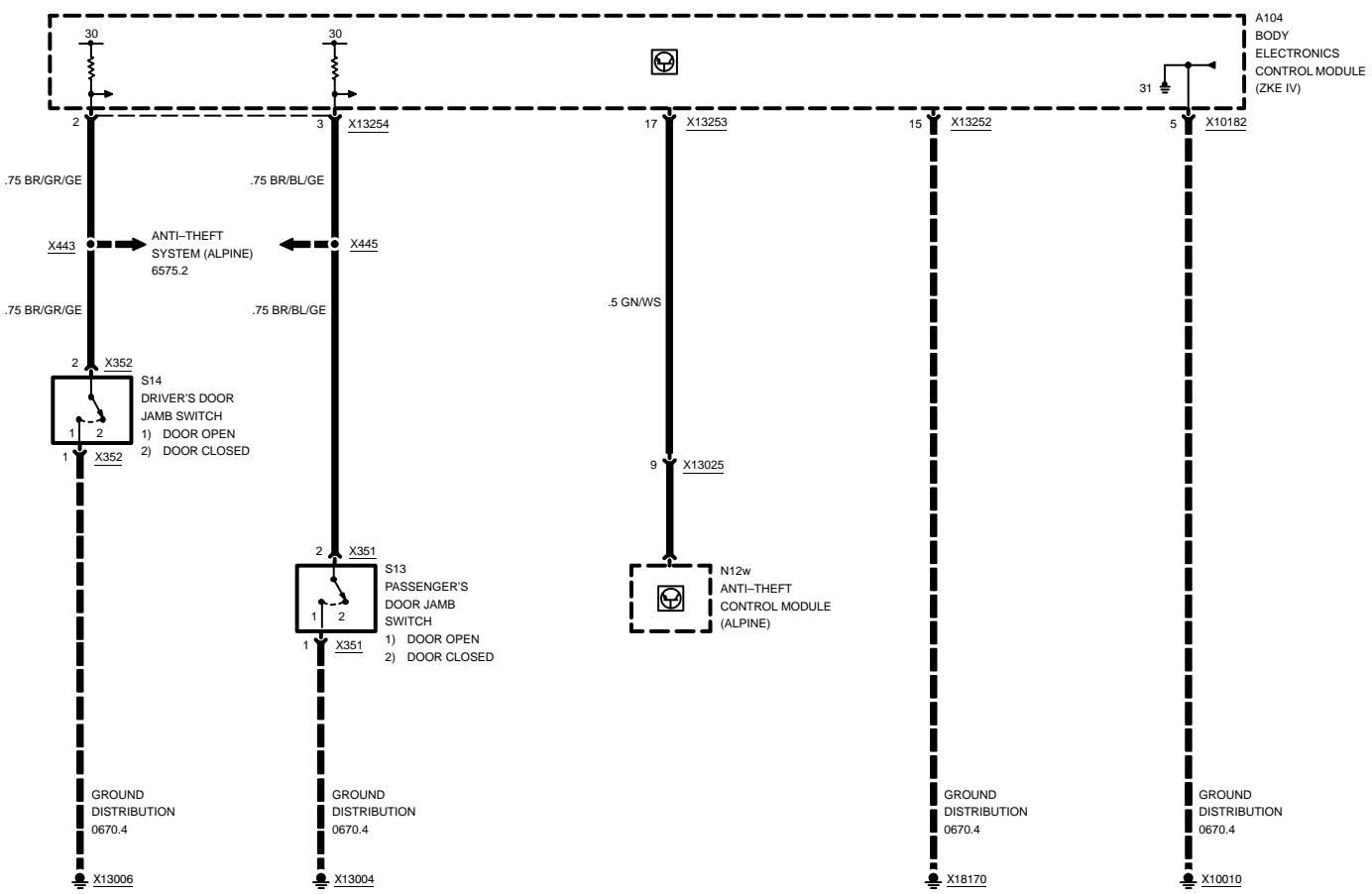
5126.0 ZKE CENTRAL LOCKING (ZV)

INPUTS, DRIVE-AWAY PROTECTION



BMW **ZKE CENTRAL LOCKING (ZV)**
3 **INPUT DETAILS**

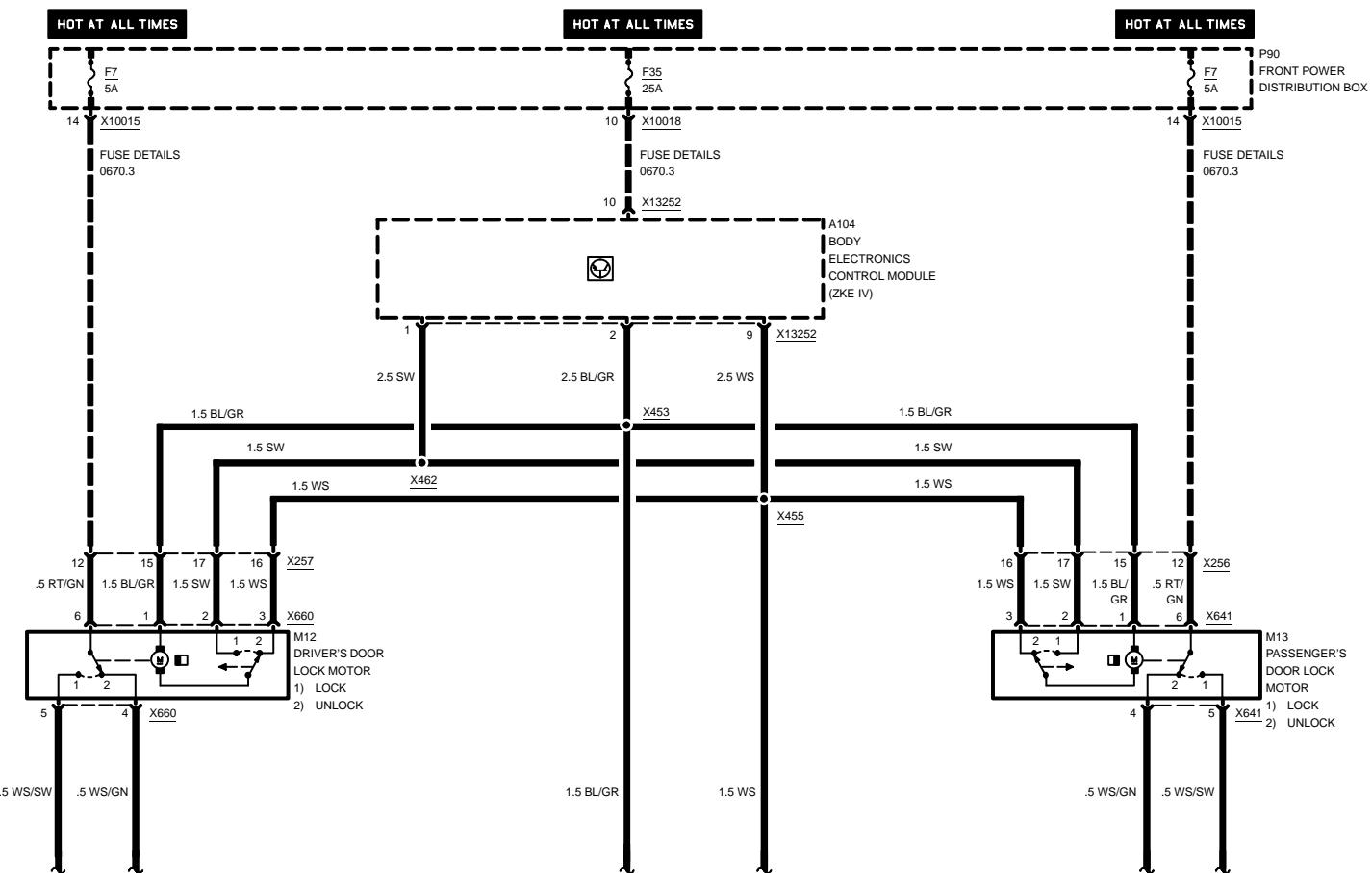
Z3

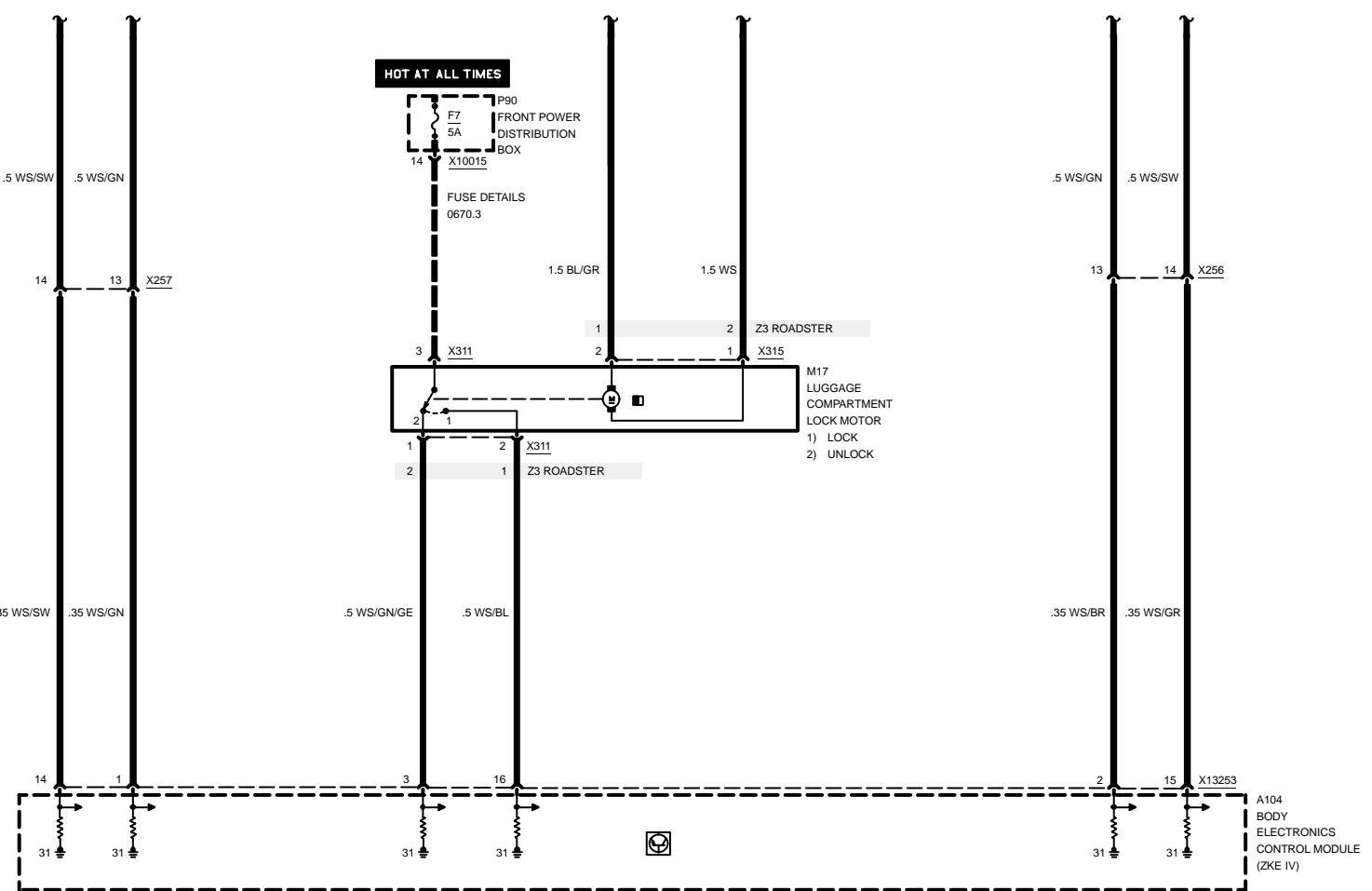


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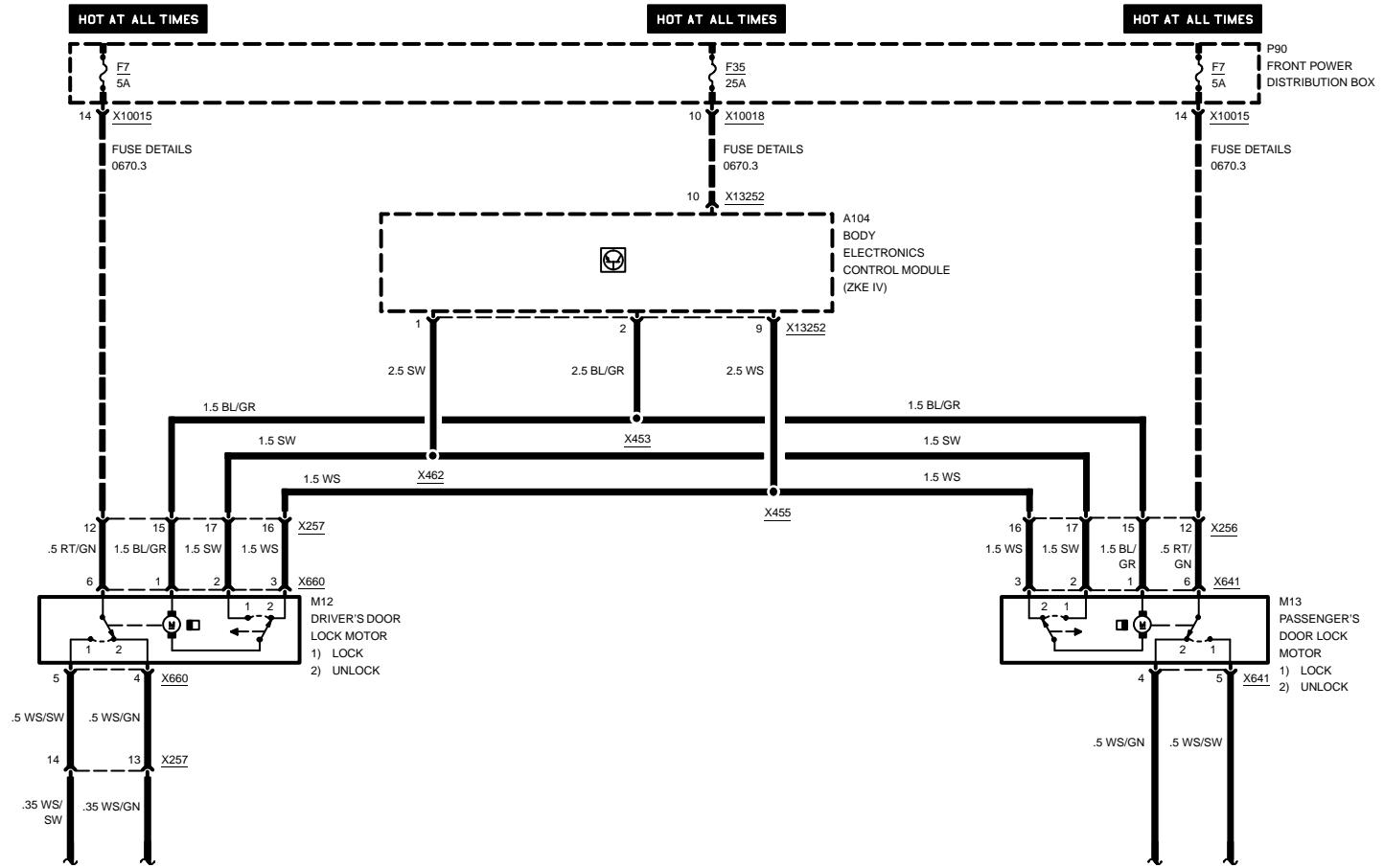
ZKE CENTRAL LOCKING (ZV)

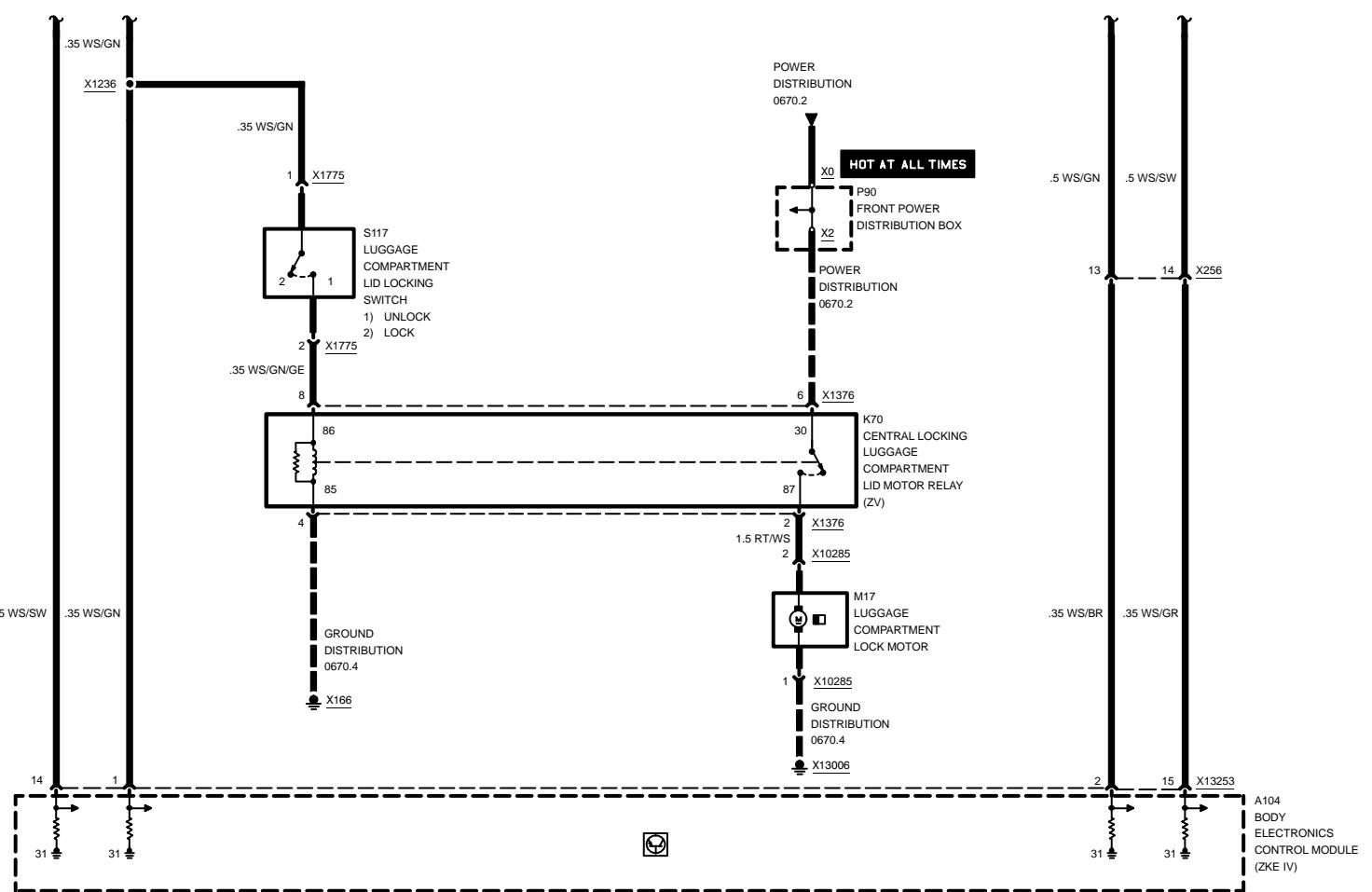
M COUPE

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5126.0-04

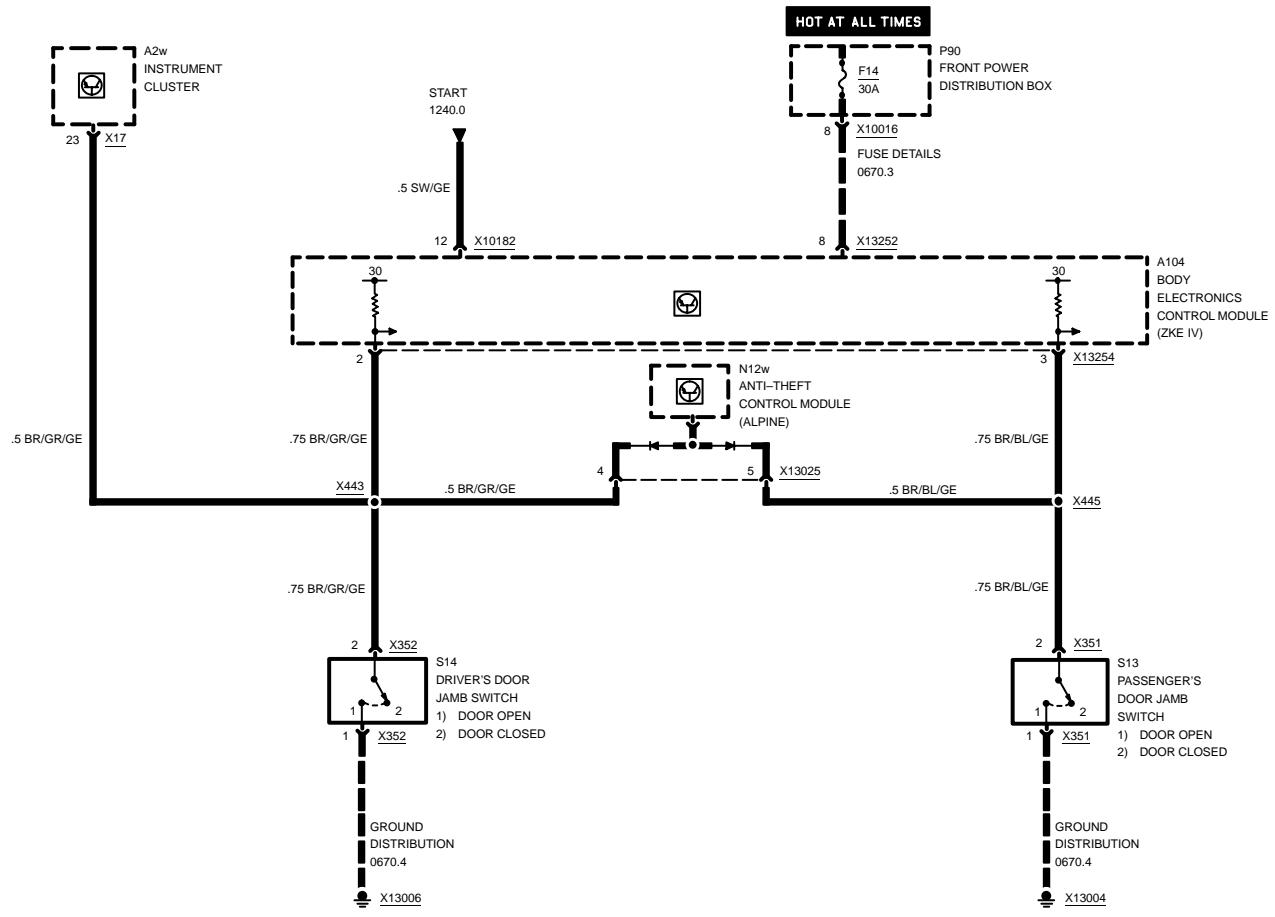
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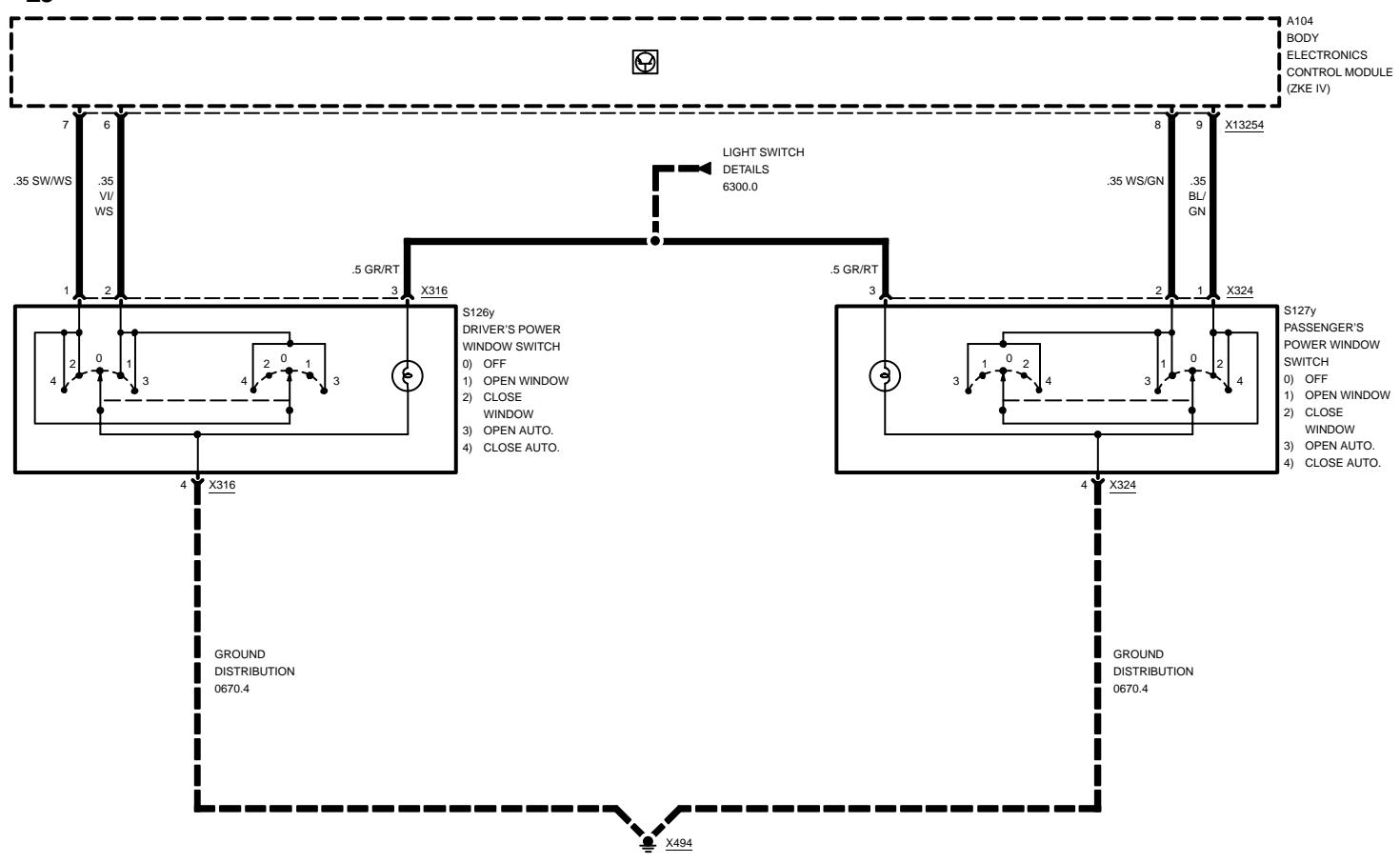
5133.0 ZKE POWER WINDOWS (FH)

INPUT DETAILS



BMW **ZKE POWER WINDOWS (FH)**
3 **INPUT DETAILS**

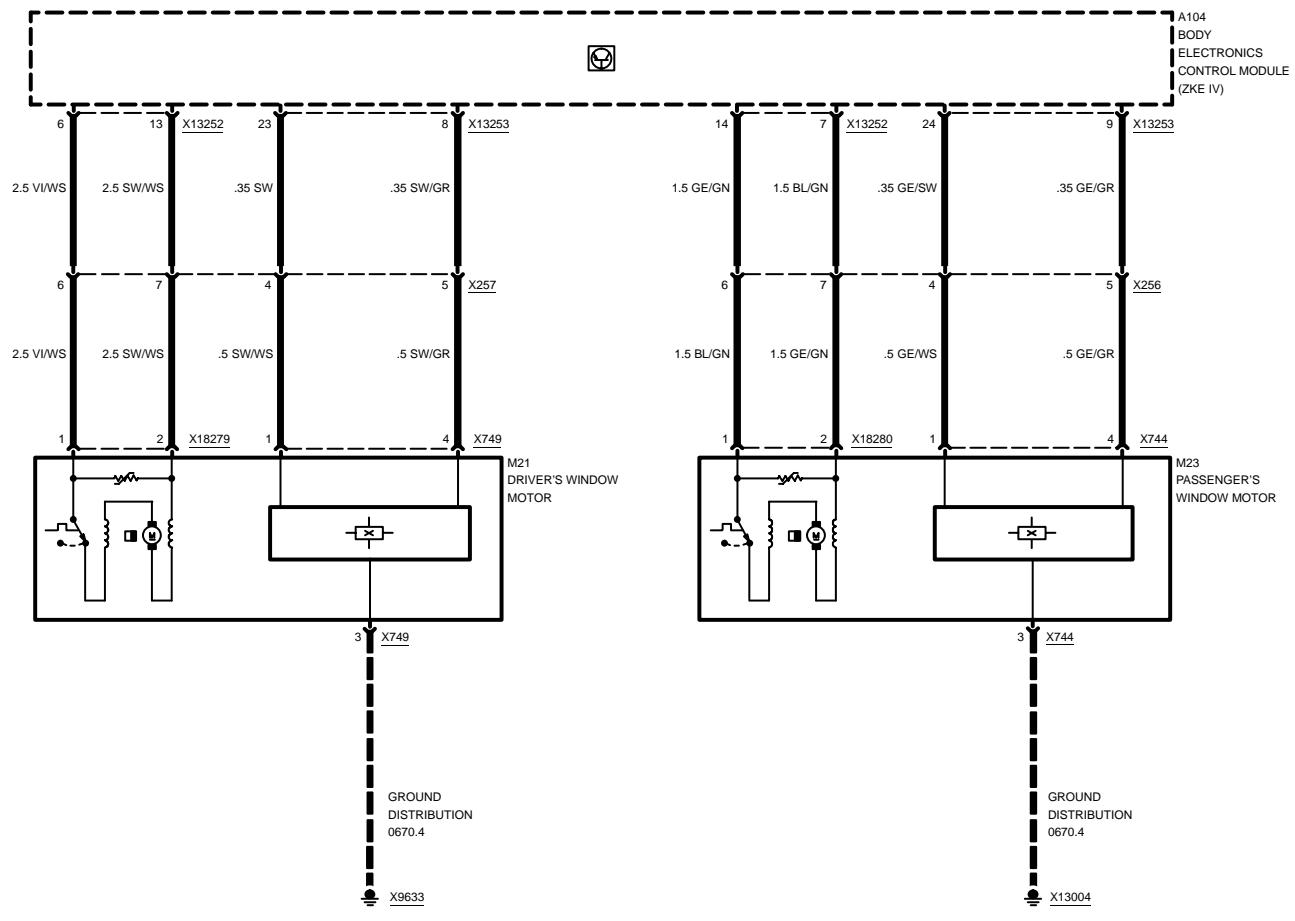
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5133.0-01

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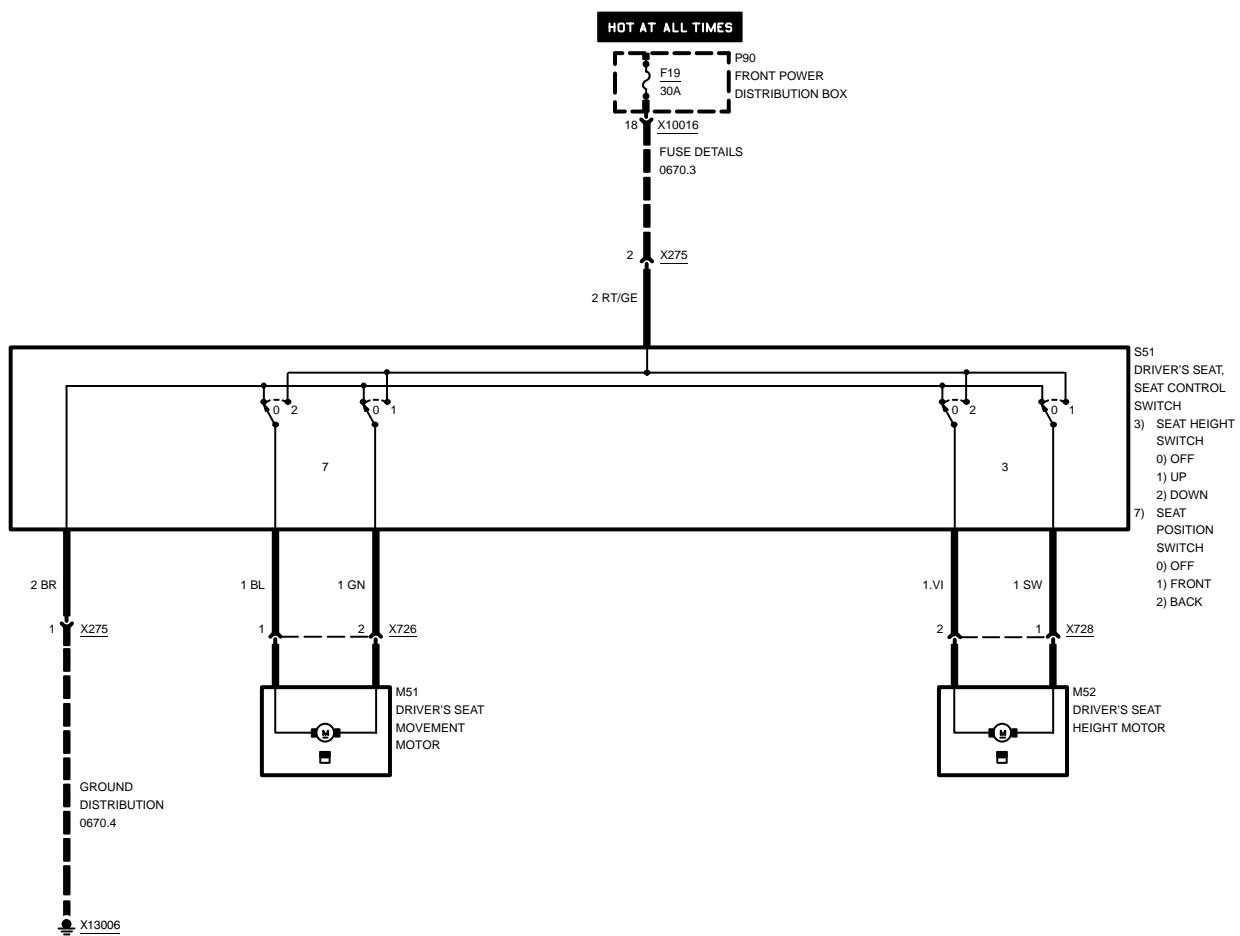
5200.0 POWER SEATS

DRIVER'S SEAT

03/00

5200.0-00

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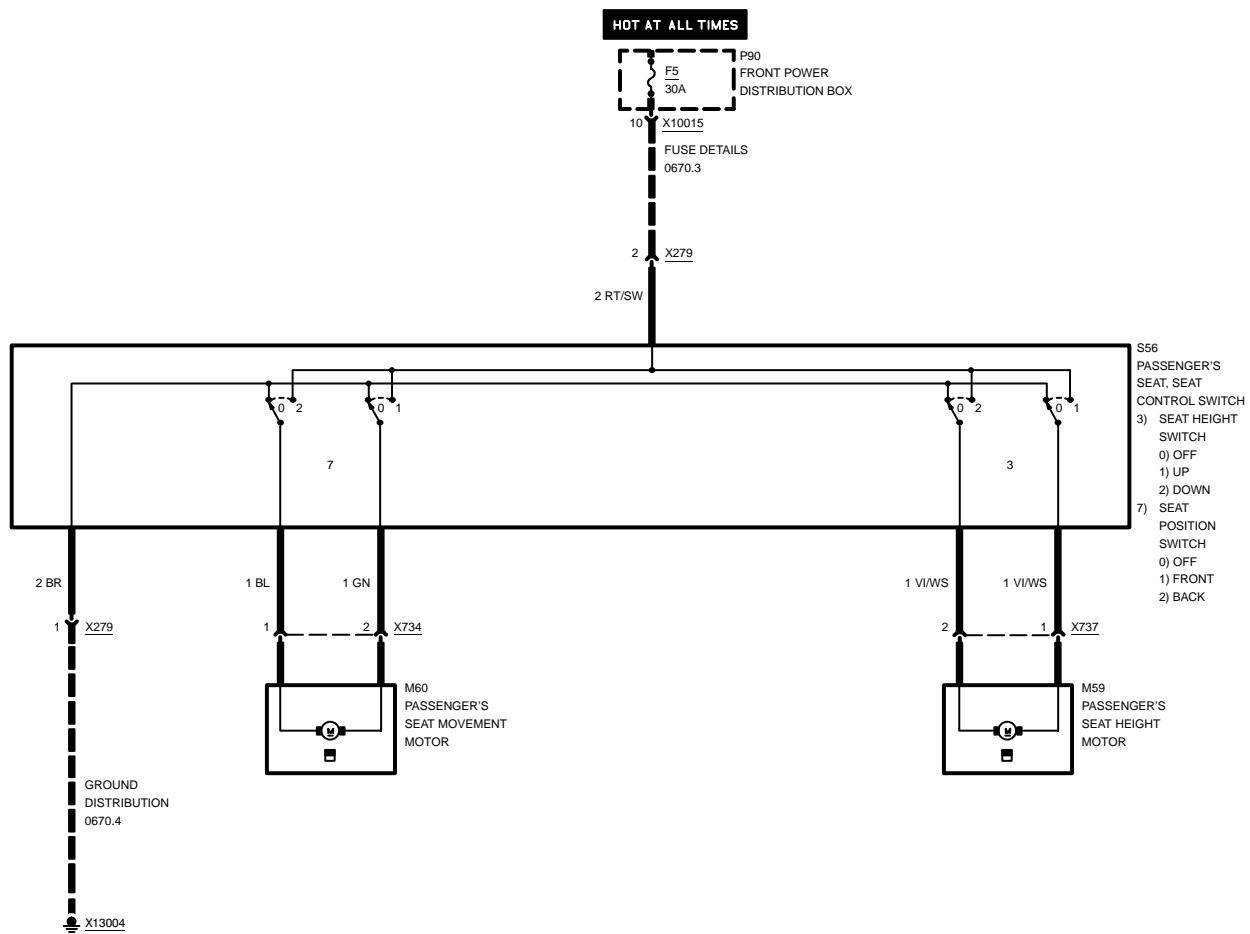


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3
PASSENGER'S SEAT
Z3

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5200.0-01

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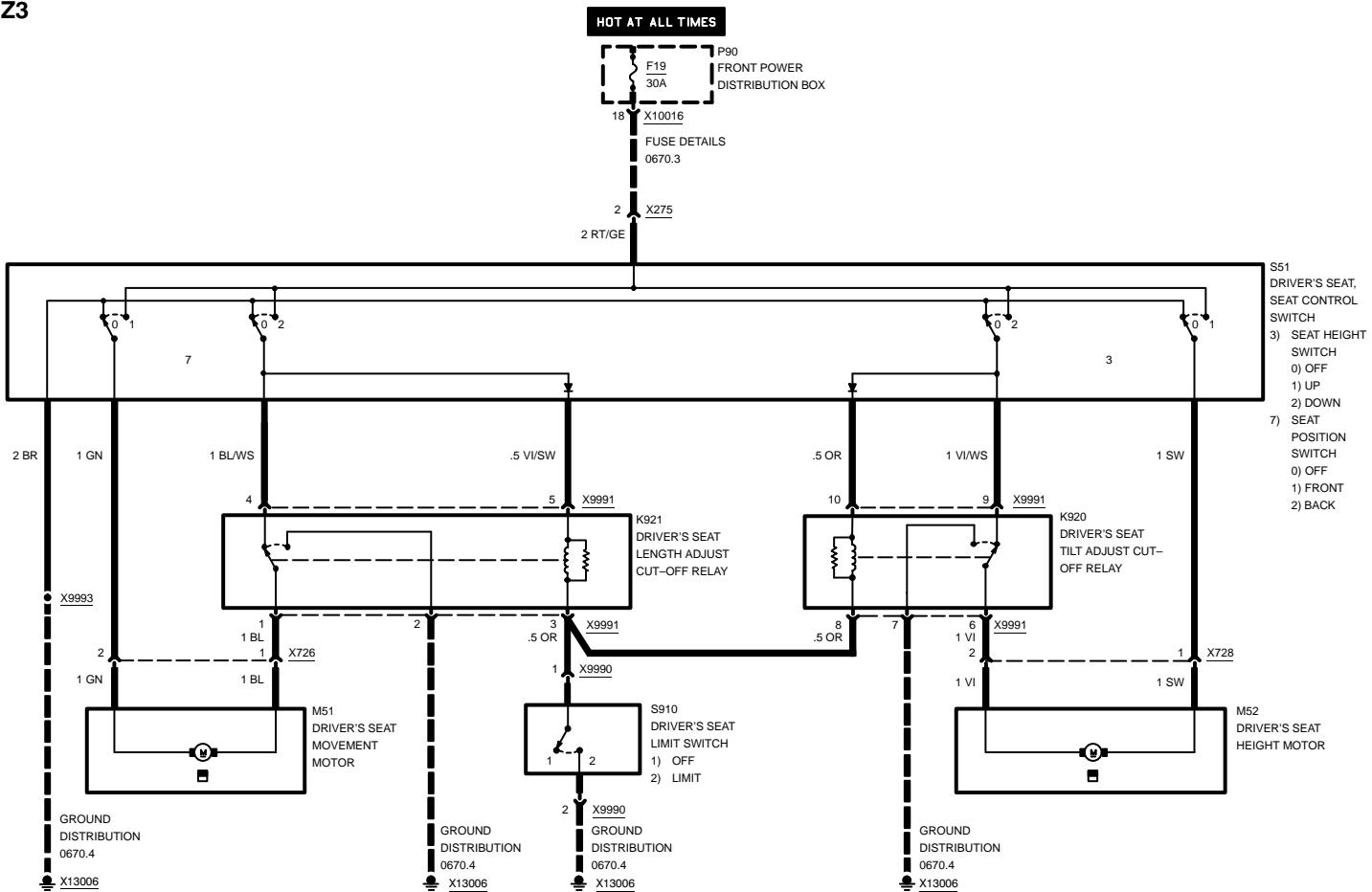
BMW
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Z3
POWER SEATS
DRIVER'S SEAT

SPORT SEATS

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5200.0-02

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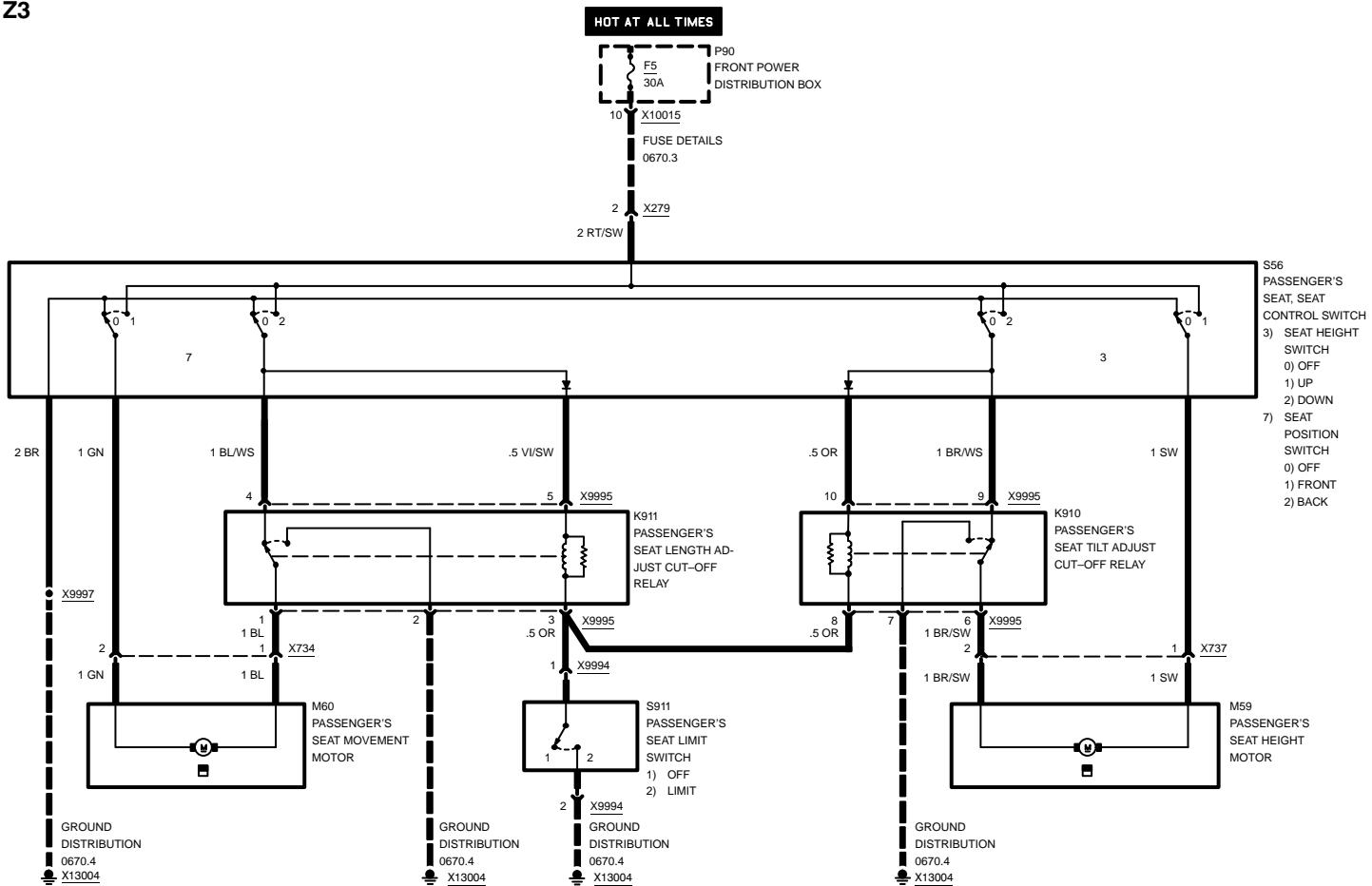
BMW
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PASSENGER'S SEAT
Z3

SPORT SEATS

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5200.0-03

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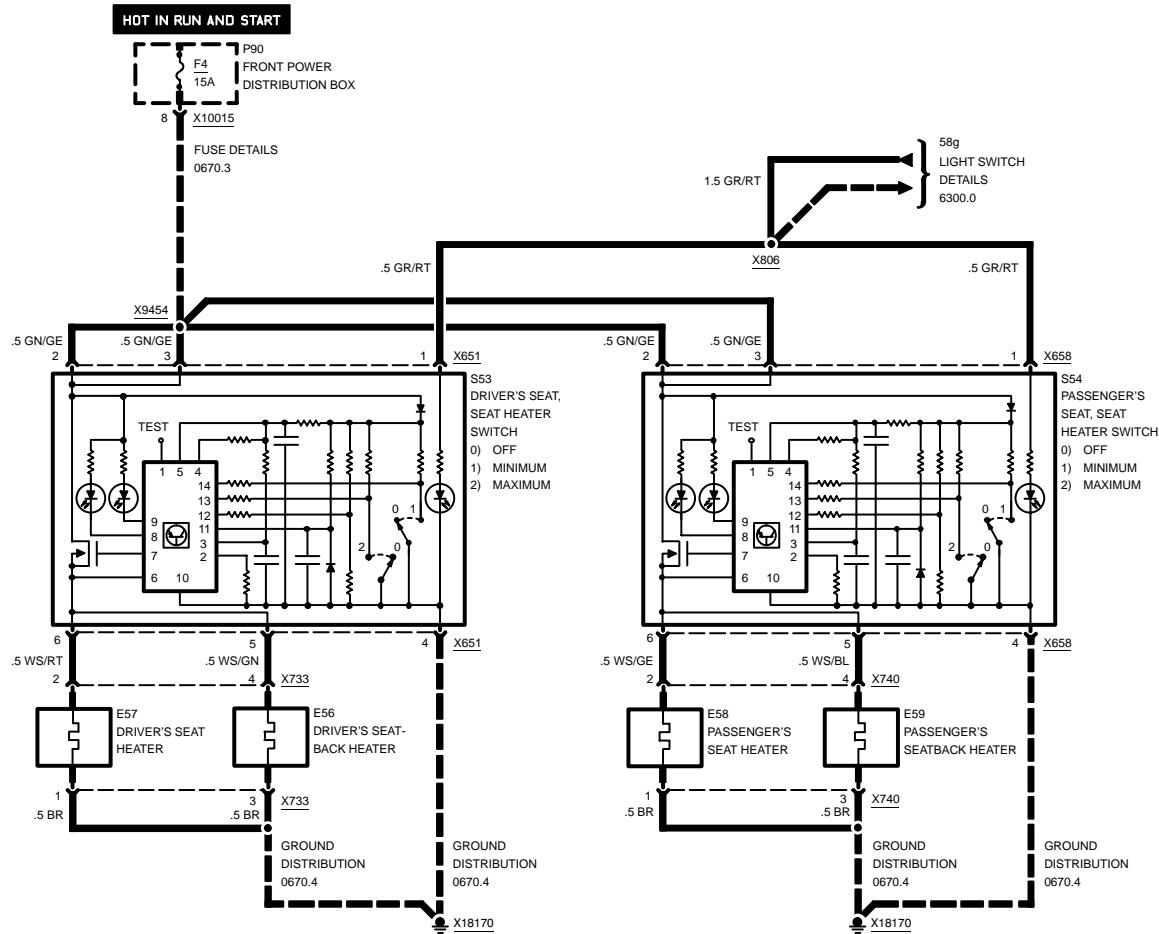


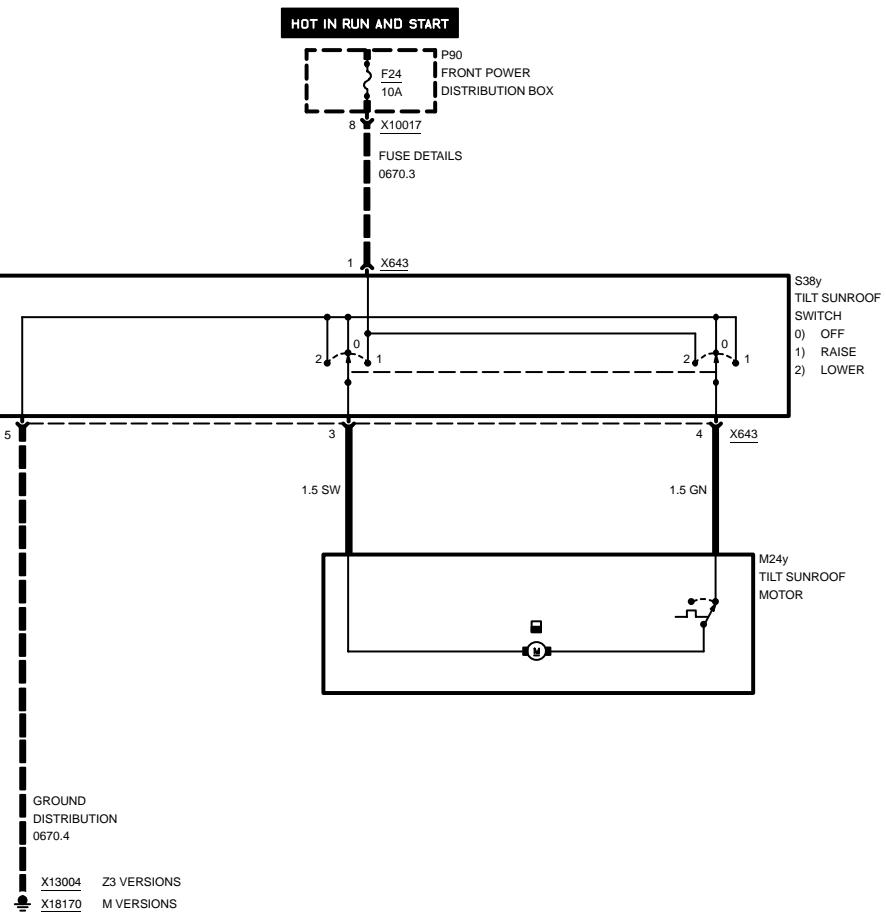
5203.0 HEATED SEATS

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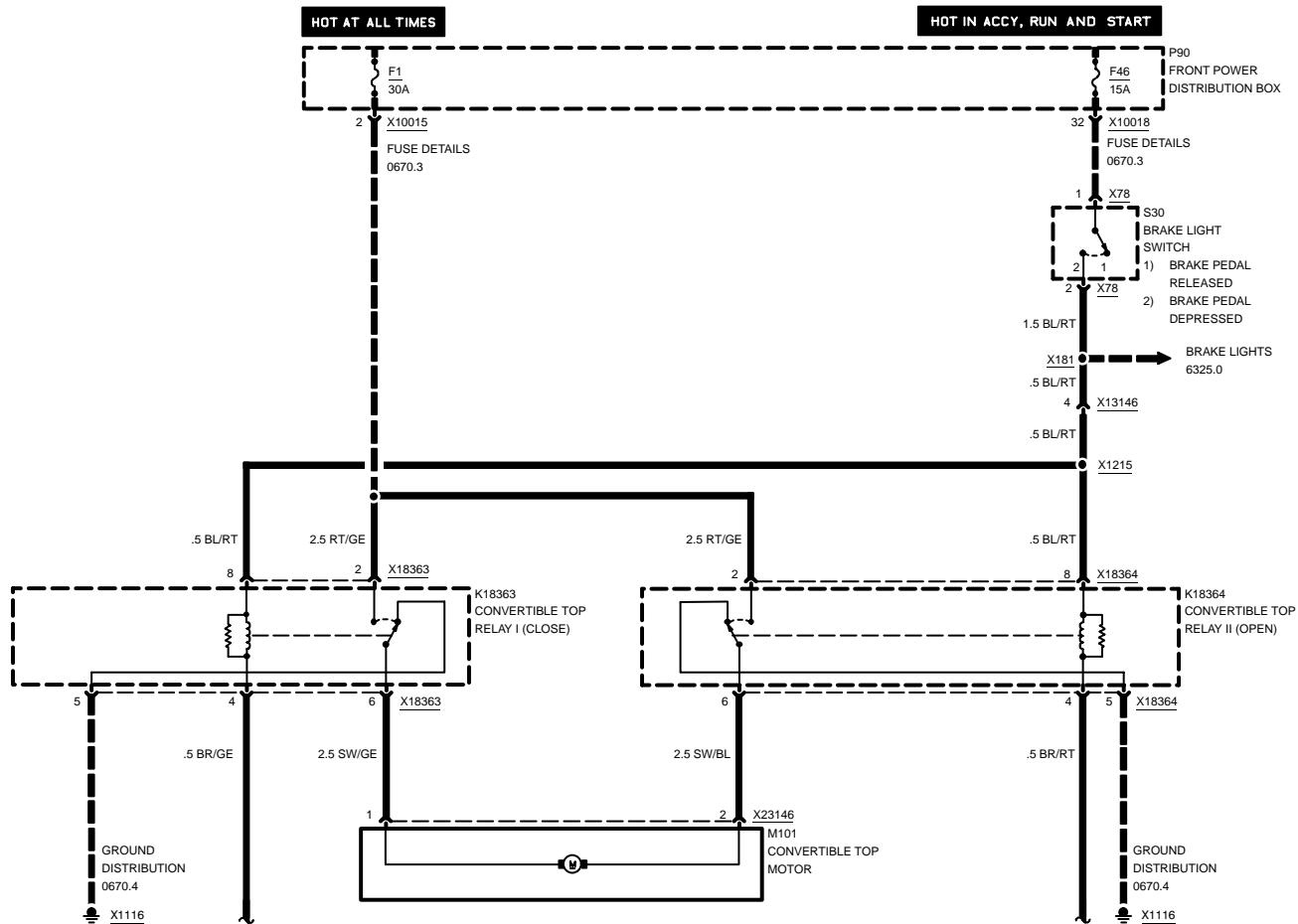
5203.0-00

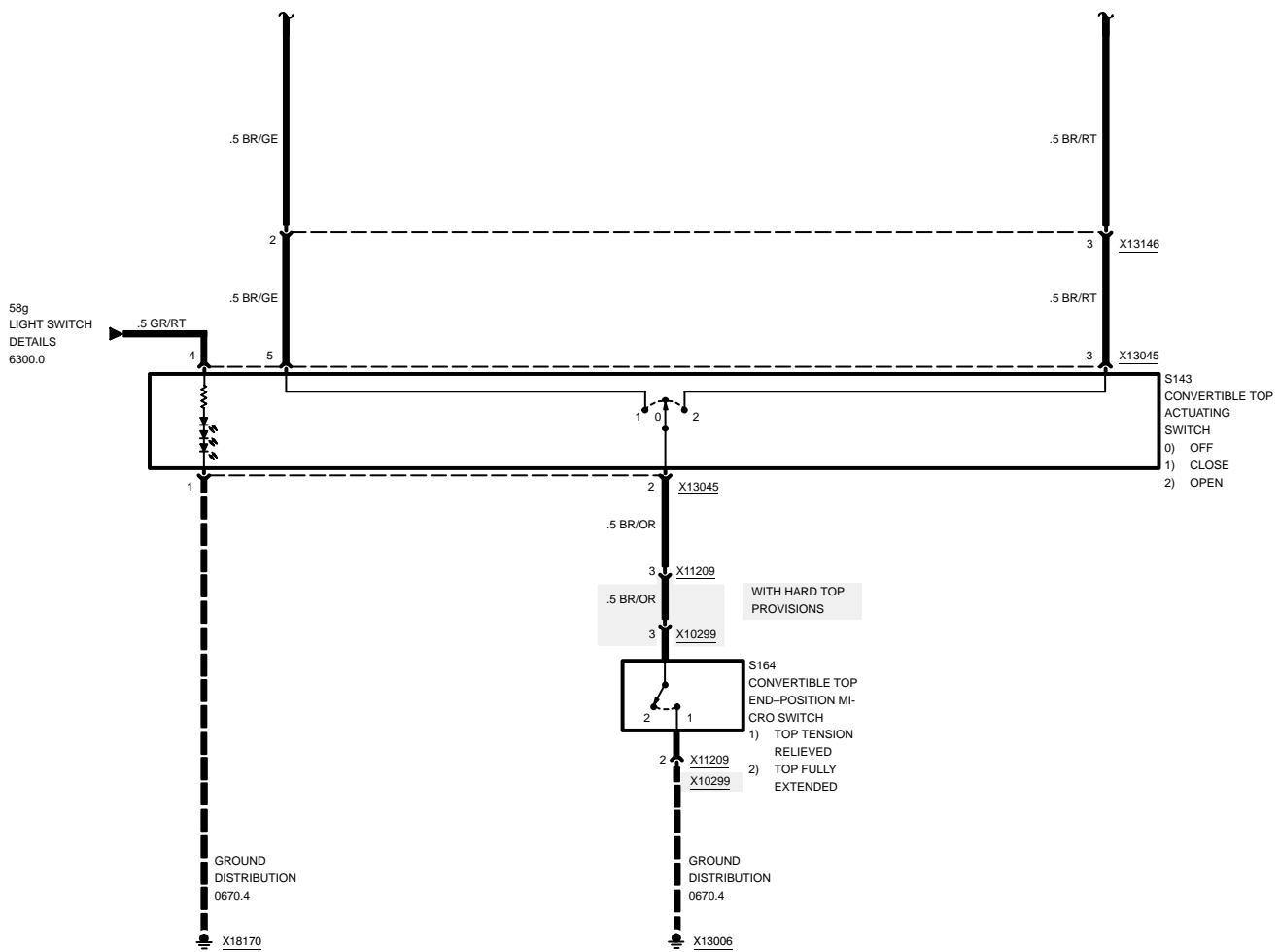
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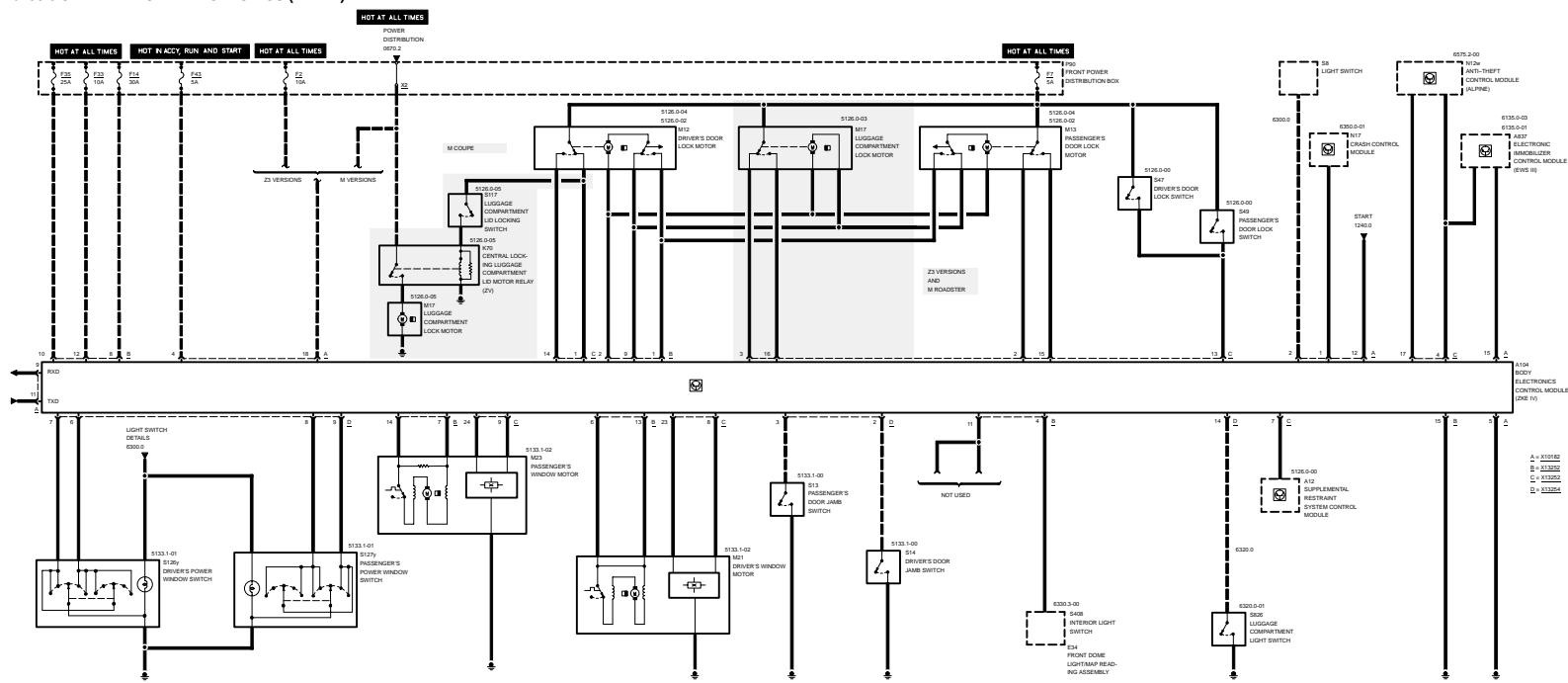




5430.2 ELECTRO-HYDRAULIC CONVERTIBLE TOP







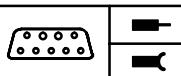


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6100.0-a

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Z3



Pin Assignments

F = X10182 18 Pins, black

G = X13252 15 Pins, black

H = X13253 26 Pins, yellow

I = X13254 26 Pins, green

X10182

Pin	Type	Description/Function	Connection
1	E	Crash signal	Crash control module
2	E	Light signal	Light switch
3		Not used	
4	E	Power supply	Front power distribution box, fuse 43
5	M	Ground	Ground point
6		Not used	
7		Not used	
8		Not used	
9	A	Diagnosis RxD signal	Data link connector
10		Not used	
11	E/A	Diagnosis TxD signal	Data link connector
12	E	Start signal	Starter
13		Not used	
14		Not used	
15	A	Drive away protection	Electronic immobilizer control module (EWS III)
16		Not used	
17		Not used	
18	E	Power supply	Front power distribution box

E = Input, A = Output, M = Ground

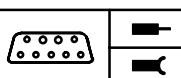


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6100.0-b

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Z3



Pin Assignments

X13252

Pin	Type	Description/Function	Connection
1	A	Central arrest signal	Lock motors
2	A	Unlock signal	Lock motors
3		Not used	
4	A	Automatic interior light signal	Interior light
5		Not used	
6	A	Voltage supply	Power window motor driver's door
7	A	Voltage supply	Power window motor passenger's door
8	E	Power supply	Front power distribution box, fuse 14
9	A	Lock signal	Lock motors
10	E	Power supply	Front power distribution box, fuse 35
11	A	Consumer cut-off signal	Not used
12	E	Power supply	Front power distribution box, fuse 33
13	E	Motor signal	Power window motor driver's door
14	E	Motor signal	Power window motor passenger's door
15	M	Ground	Ground point

X13253

Pin	Type	Description/Function	Connection
1	E	Unlock signal	Door lock motor driver's door
2	E	Unlock signal	Door lock motor passenger's door
3	E	Unlock signal	Luggage compartment lock motor (Z3 Versions and M Roadster)
4	E	Data signal	Anti-theft system control module (Alpine)
5		Not used	
6		Not used	
7	E	Crash signal	Supplemental restraint system control module
8	E	Revolution signal	Power window motor driver's door
9	E	Revolution signal	Power window motor passenger's door

E = Input, A = Output, M = Ground

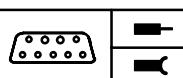


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Z3



Pin Assignments

Pin	Type	Description/Function	Connection
10		Not used	
11		Not used	
12		Not used	
13	E	Central arrest signal	Door lock switches
14	E	Lock signal driver's door	Door lock motor driver's door
15	E	Lock signal passenger's door	Door lock motor passenger's door
16	E	Lock signal luggage compartment lid	Luggage compartment lock motor (Z3 Versions and M Roadster)
17	E	Data signal	Anti-theft system control module (Alpine)
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Plus supply (revolution)	Power window's motor driver's side
24	A	Voltage supply (revolution)	Power window's motor passenger's side
25		Not used	
26		Not used	

X13254

Pin	Type	Description/Function	Connection
1		Not used	
2	E	Door signal	Door jamb switch driver's door
3	E	Door signal	Door jamb switch passenger's door
4		Not used	
5		Not used	
6	E	OPEN signal	Power window switch driver's door
7	E	CLOSE signal	Power window switch driver's door
8	E	OPEN signal	Power window switch passenger's door
9	E	CLOSE signal	Power window switch passenger's door
10		Not used	

E = Input, A = Output, M = Ground

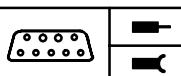


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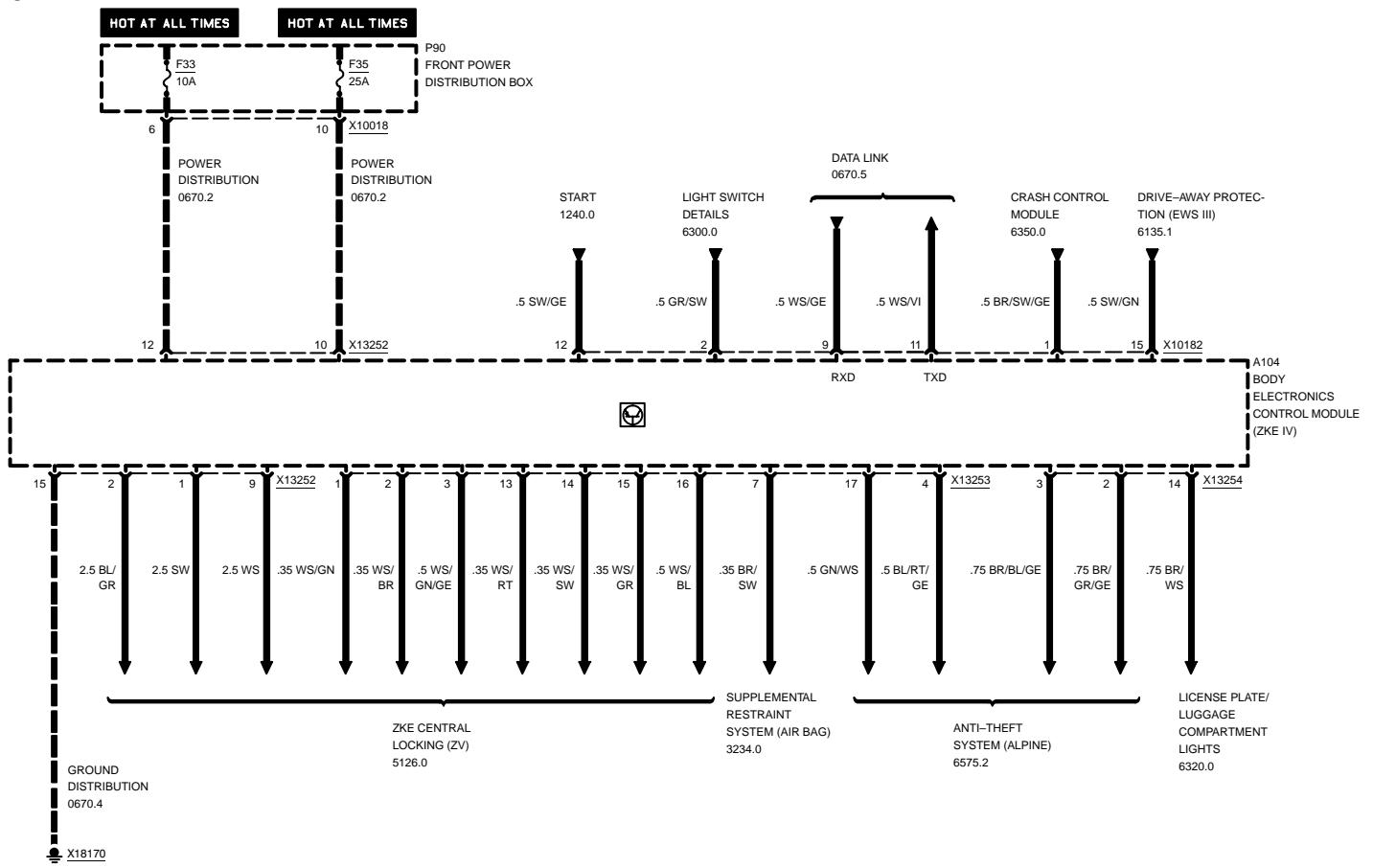
Z3

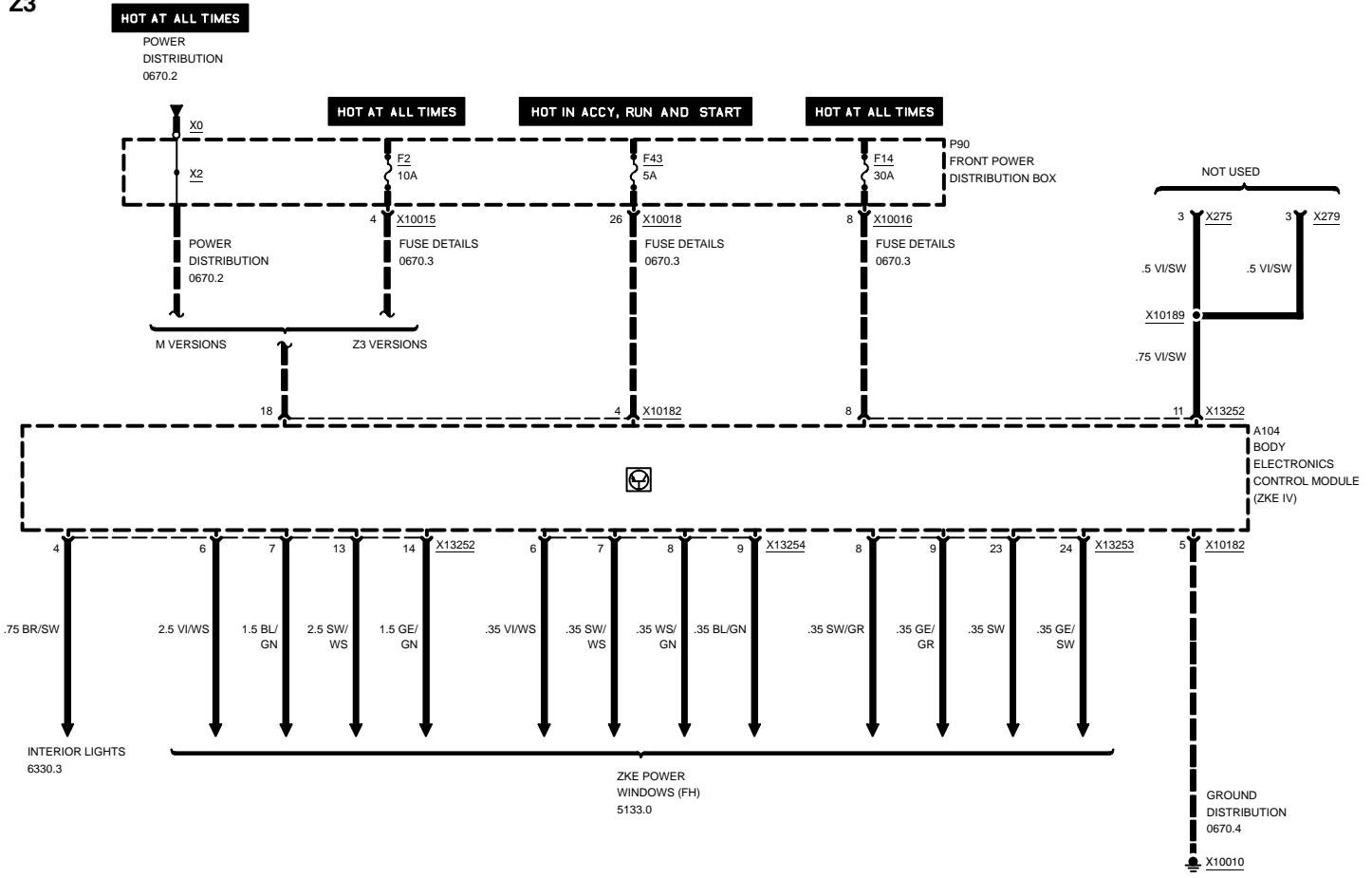


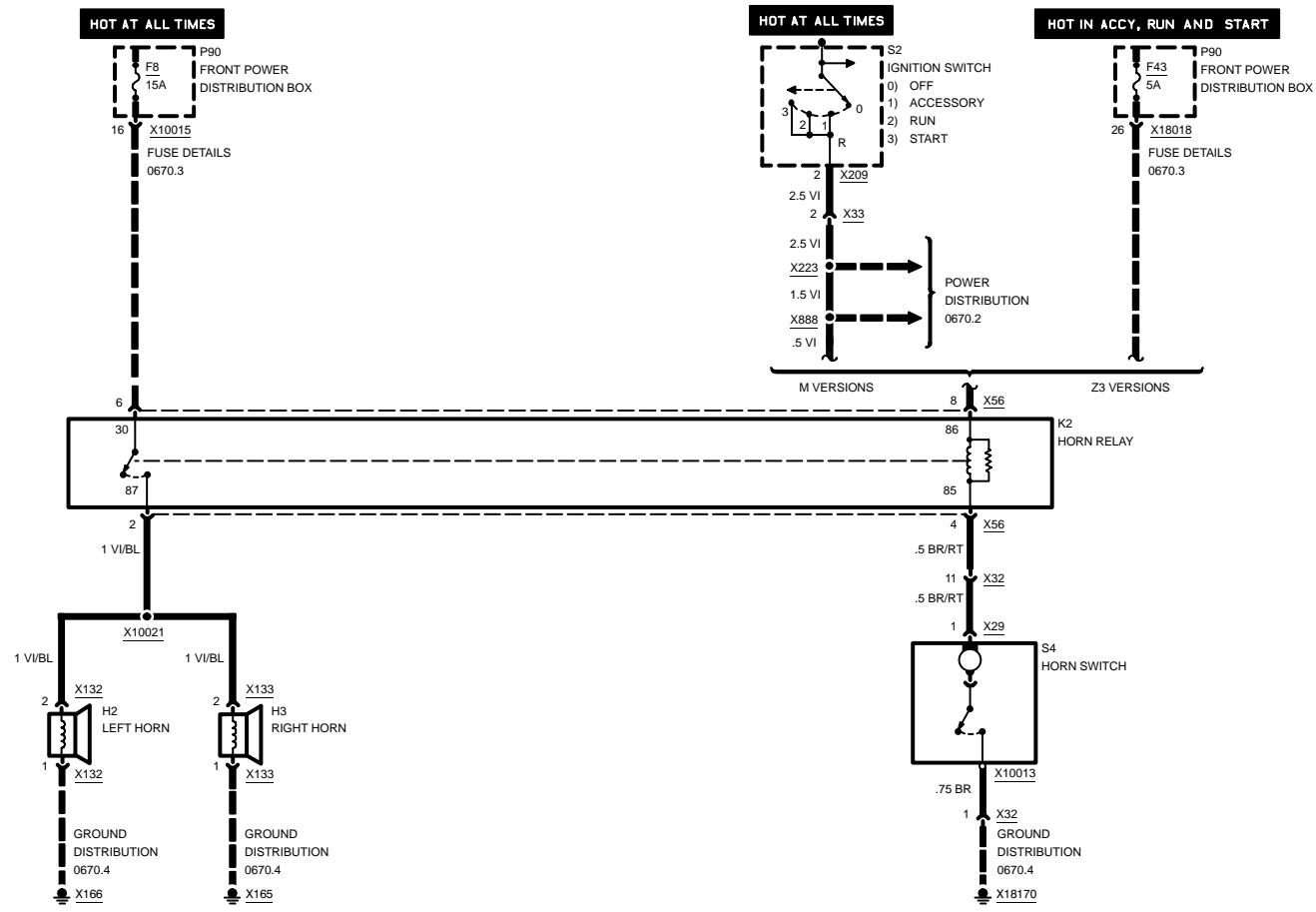
Pin Assignments

Pin	Type	Description/Function	Connection
11		Not used	
12		Not used	
13		Not used	
14	E	Luggage compartment signal	Luggage compartment light switch
15		Not used	
16		Not used	
17		Not used	
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground

CENTRAL BODY ELECTRONICS (ZKE IV)

CENTRAL BODY ELECTRONICS (ZKE IV)



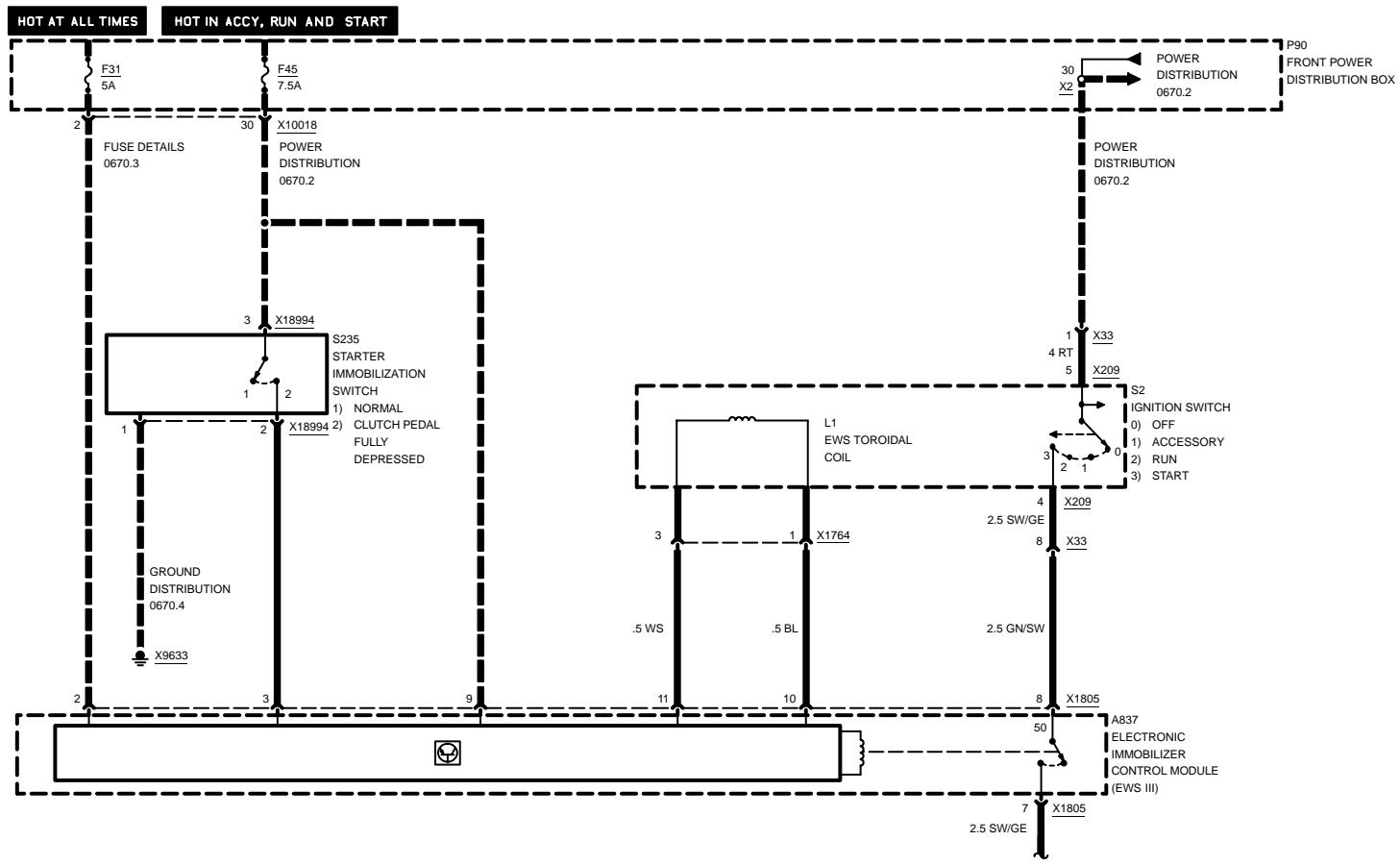
6135.1 DRIVE-AWAY PROTECTION (EWS III)

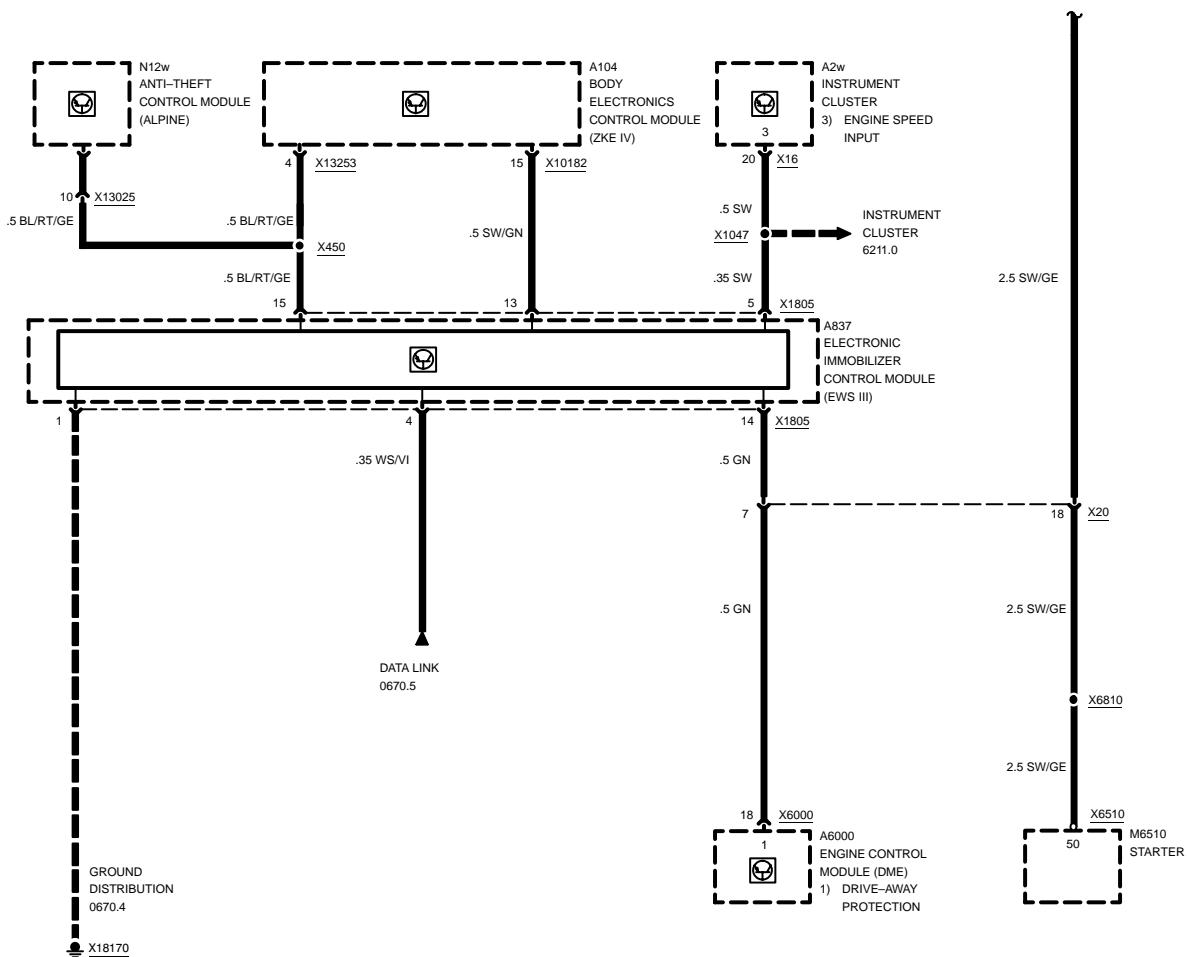
M VERSIONS

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6135.1-00

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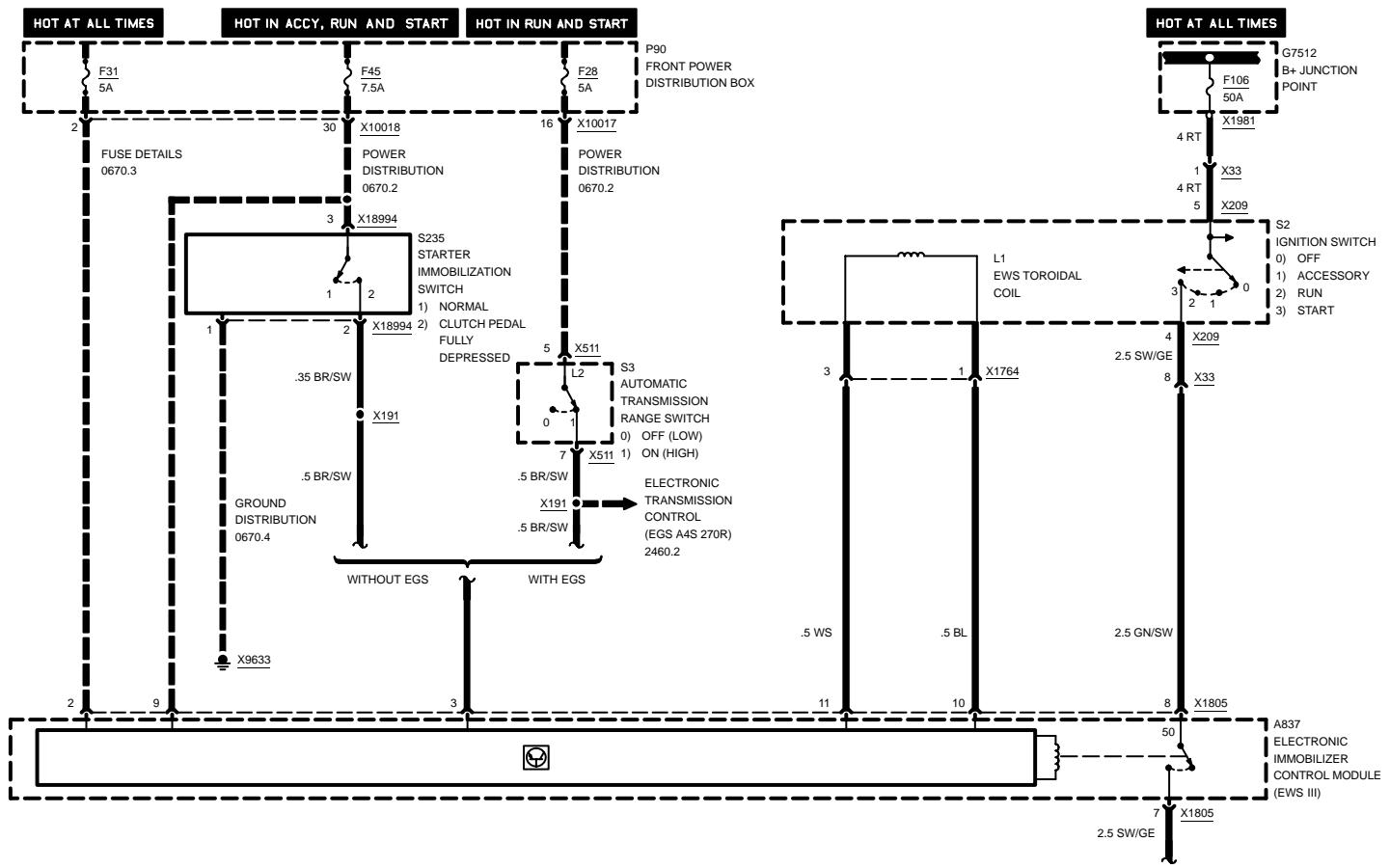
DRIVE-AWAY PROTECTION (EWS III)

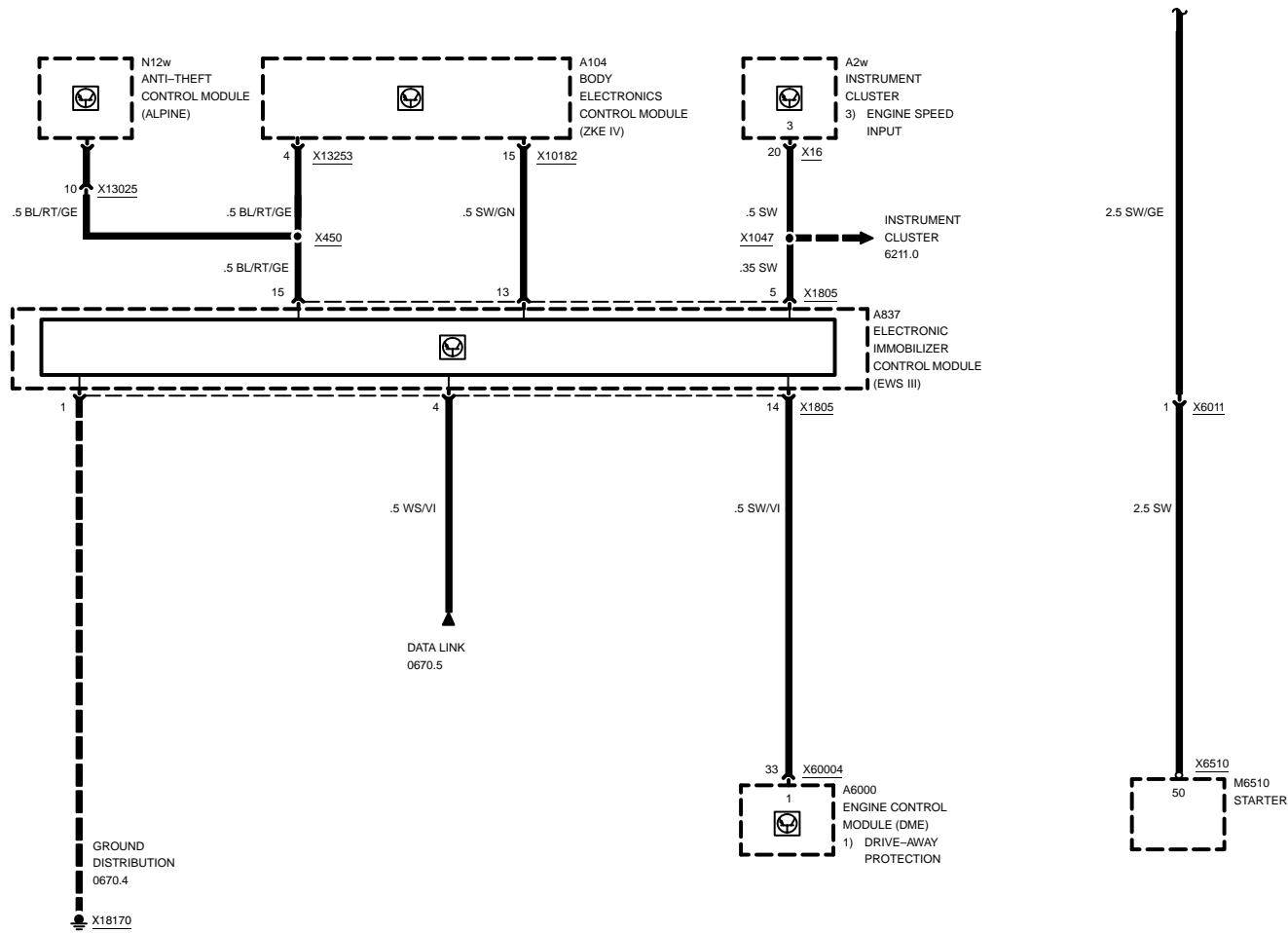
Z3 VERSIONS

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6135.1-02

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Z3

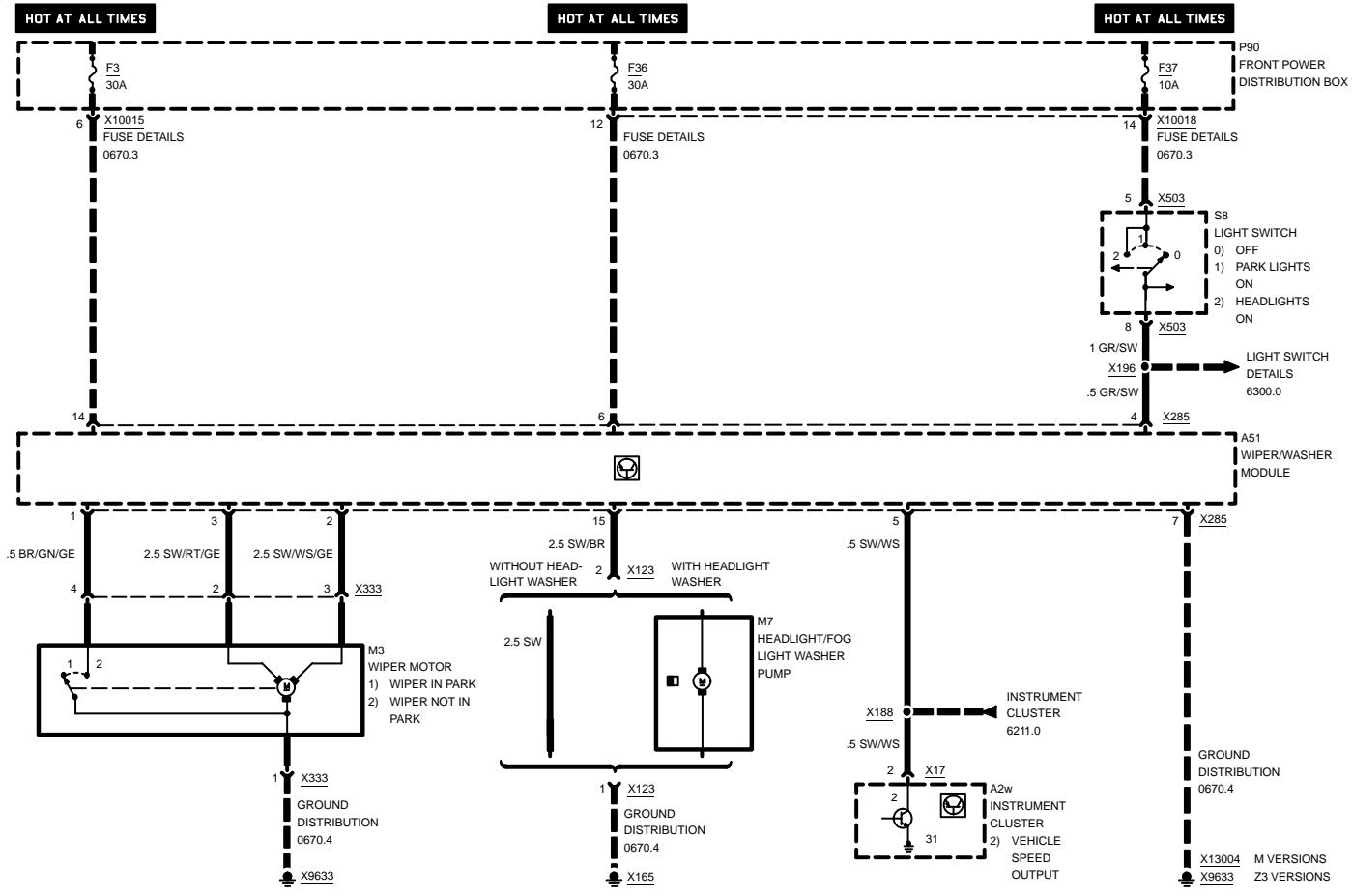
6160.1 WIPER/WASHER MODULE (WWM)

HIGH

03/00

6160.1-00

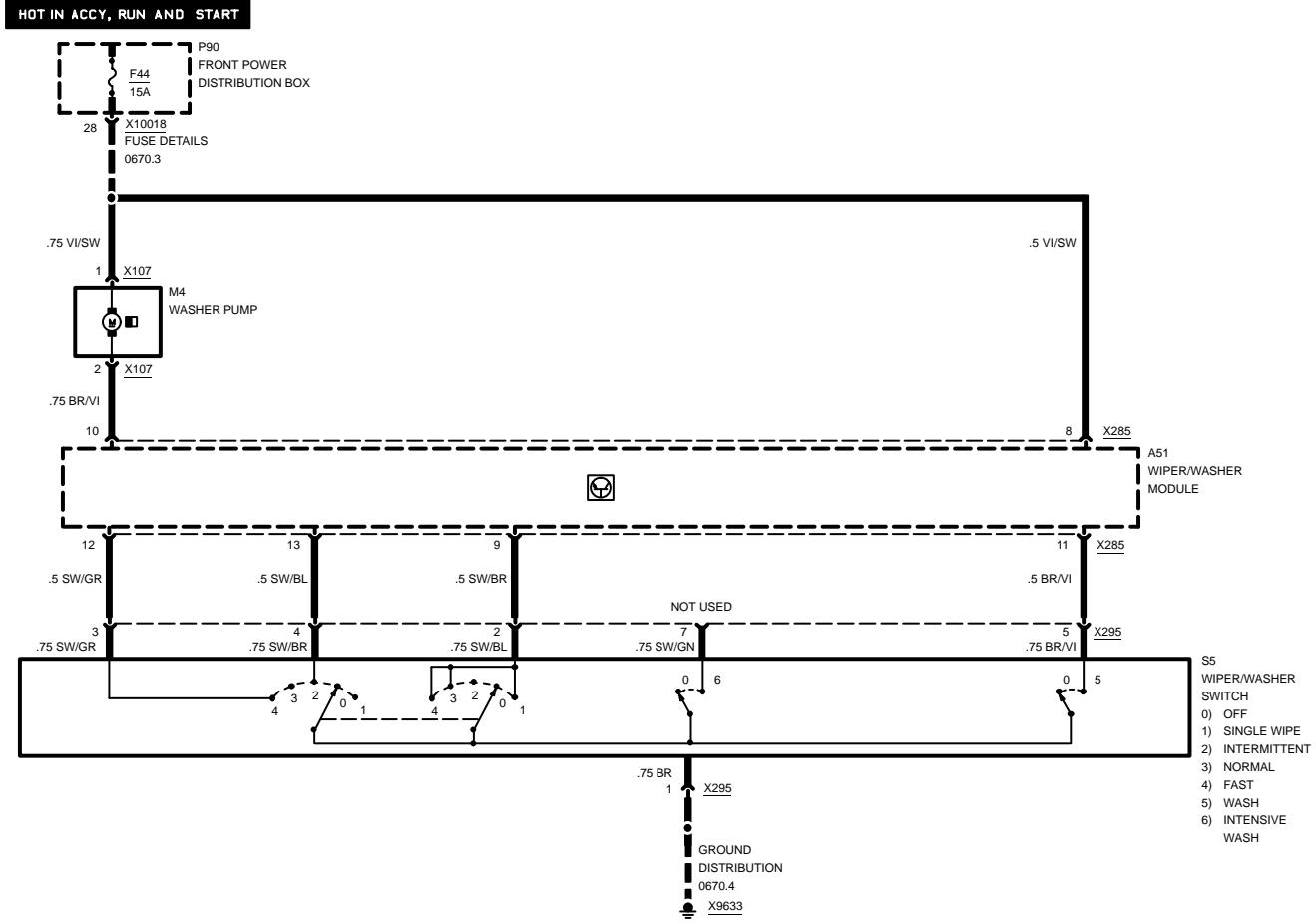
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WIPER/WASHER MODULE (WWM)

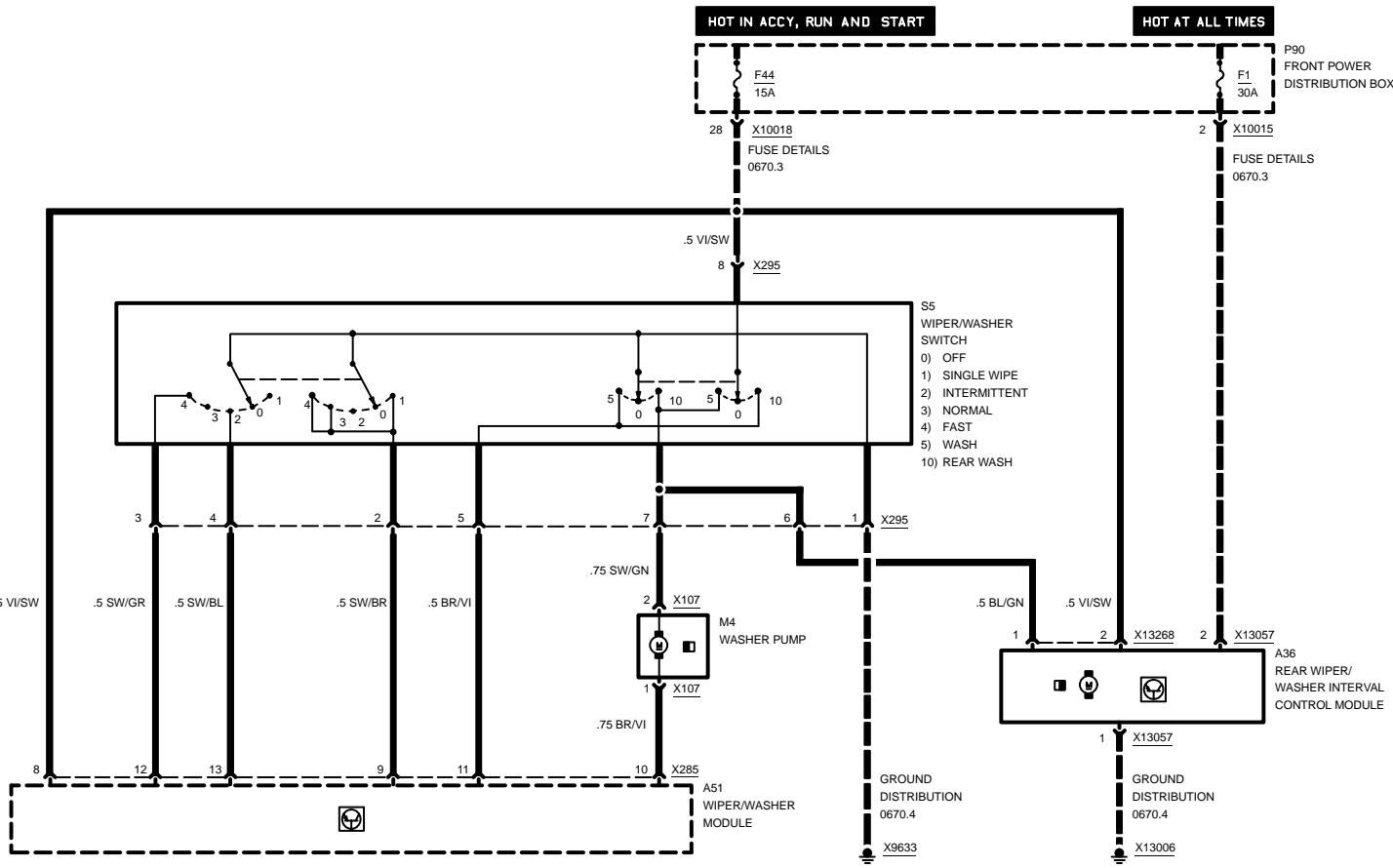
ROADSTER

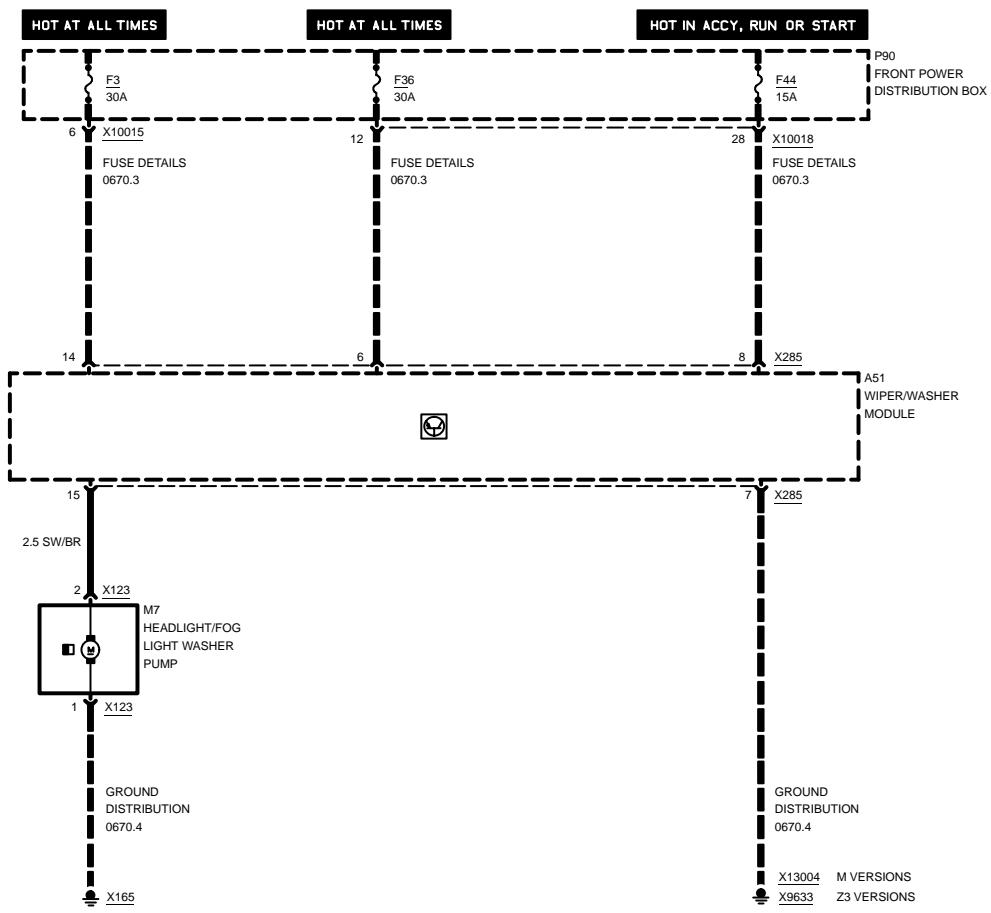


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6160.1-01

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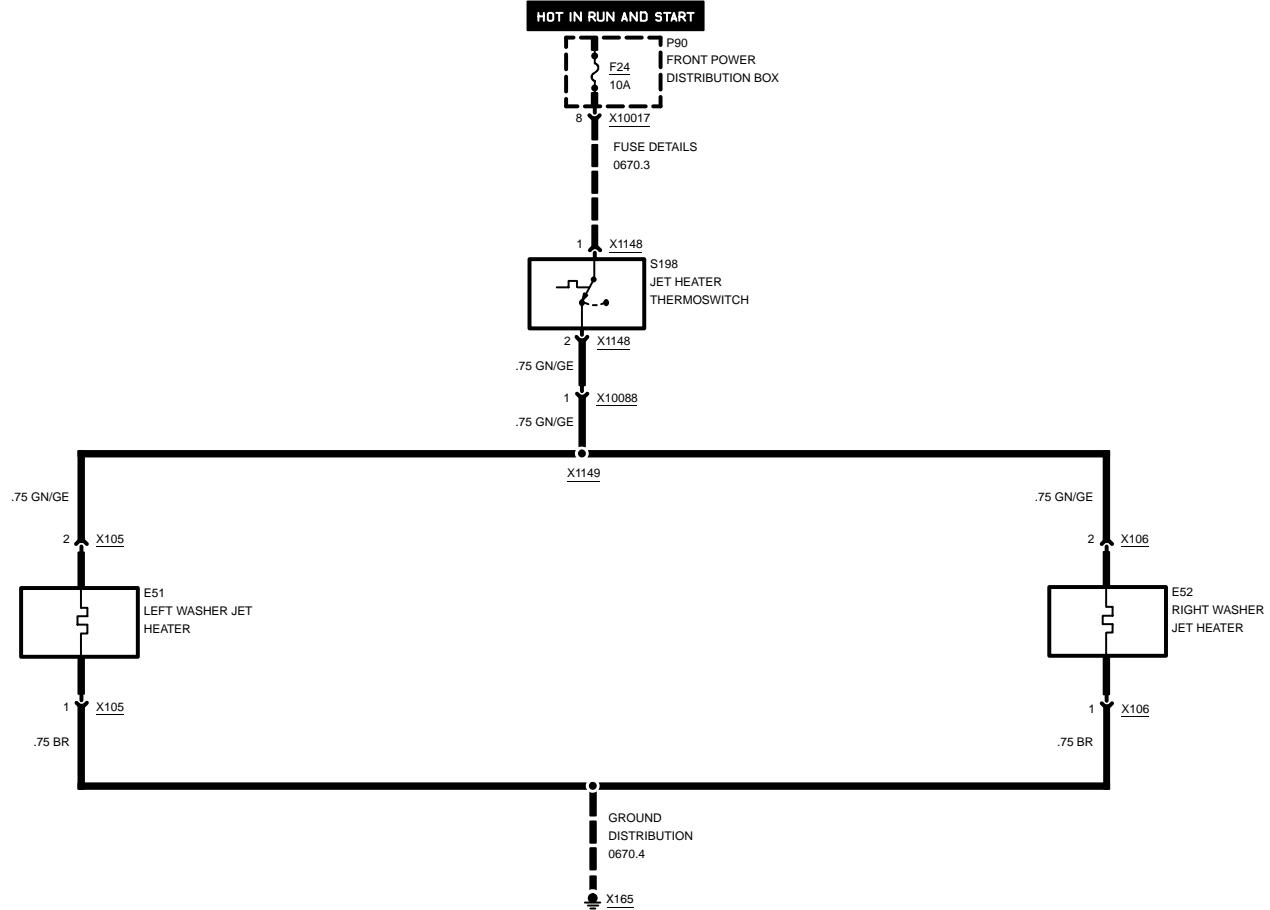
6167.1 HEADLIGHT WASHER (SRA)

6169.0 WINDSHIELD WASHER JET HEATERS

03/00

6169.0-00

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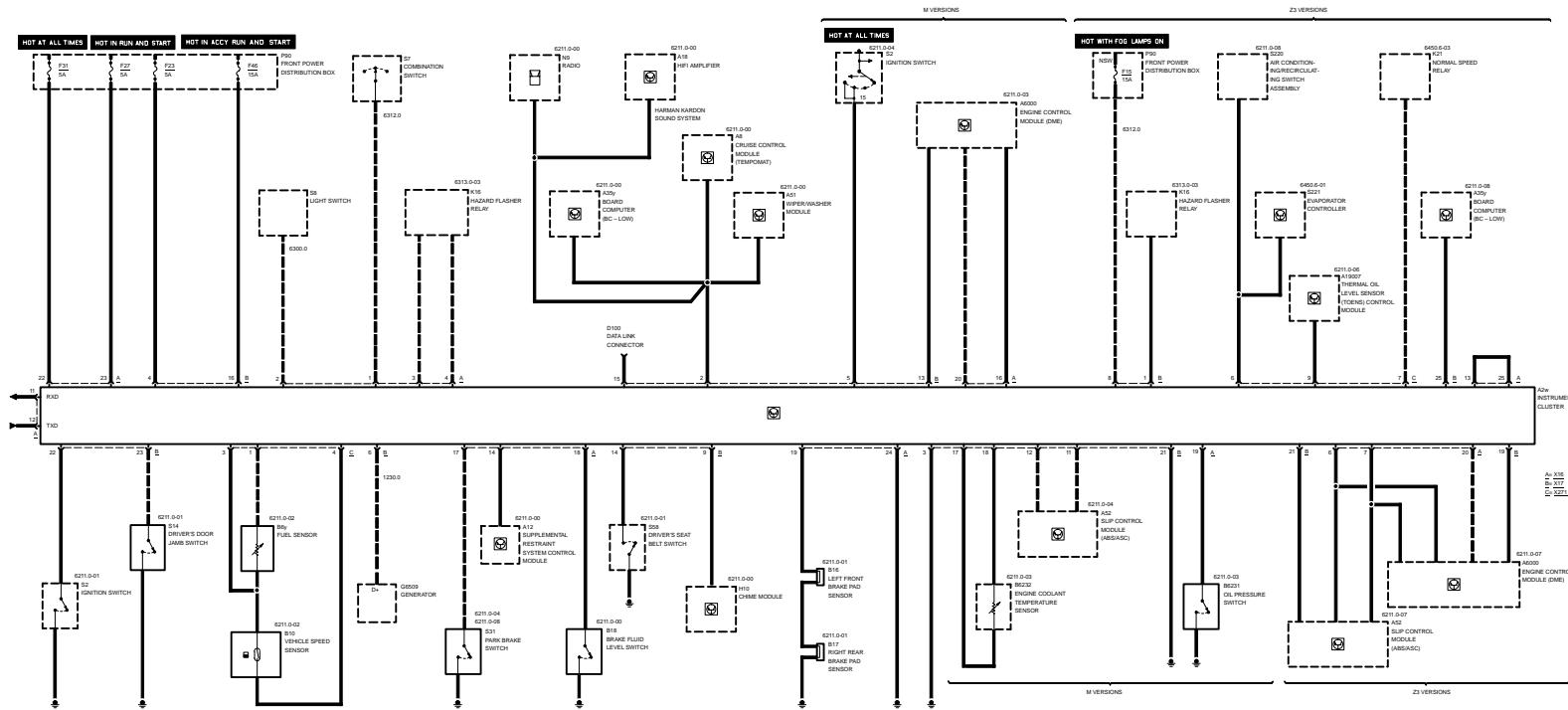


6211.0 INSTRUMENT CLUSTER

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6211.0-a

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Z3



Pin Assignments

X16

Pin	Type	Description/Function	Connection
1	E	High beam indicator control	Combination switch
2	E	Terminal 58g, instrument illumination power	Light switch (dimmer)
3	E	Right turn signal indicator control	Hazard flasher relay
4	E	Left turn signal indicator control	Hazard flasher relay
5		Not used	
6	E/A	CAN bus high	Engine/slip control module (Z3 Versions)
7	E/A	CAN bus low	Engine/slip control module (Z3 Versions)
8		Not used	
9		Not used	
10		Not used	
11	A	Diagnosis RXD signal	Data link connector (M Versions)
12	E/A	Diagnosis TXD signal	Data link connector
13	E/A	CAN jumper	Instrument cluster (Z3 Versions)
14	E	Airbag warning lamp (SRS) control	Supplemental restraint system control module
15		Not used	
16	E	"Check engine" indicator control	Engine control module (DME) (M Versions)
17	E	Park brake warning lamp control	Park brake switch
18	E	Brake fluid warning lamp control	Brake fluid level switch
19	E	Brake pad wear warning lamp control	Brake pad sensors
20	E	Crankshaft RPM speed signal TD	Engine control module (DME)
21		Not used	
22	E	Voltage supply, terminal 30	Front power distribution box, fuse 31
23	E	Voltage supply, terminal 15 for indicator and warning lamps	Front power distribution box, fuse 27
24	M	Ground supply, terminal 31 for instrument cluster electronics	Ground point
25	E/A	CAN jumper	Instrument cluster (Z3 Versions)
26		Not used	

E = Input, A = Output, M = Ground

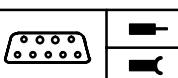


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6211.0-b

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Z3



Pin Assignments

X17

Pin	Type	Description/Function	Connection
1	E	Trailer turn signal indicator control	Hazard flasher relay (Z3 Versions)
2	A	Vehicle speed signal	Various control modules
3	M	Ground supply, terminal 31 for indicator and warning lamps	Ground point
4	E	Voltage supply, terminal 15 for instrument cluster electronics	Front power distribution box, fuse 23
5	E	Voltage supply, terminal 15 for battery charge indicator	Ignition switch, terminal 15 (M Versions)
6	E	Ground supply, terminal 61 for battery charge indicator	Generator
7		Not used	
8	E	Fog light indicator control	Front power distribution box, fuse 15 (Z3 Versions)
9	A	Sound tone signal	Chime module
10		not used	
11	E	Slip control system warning lamp (ABS) control	Slip control module (ABS/ASC) (M Versions)
12	E	ASC signal	ASC control module (M Versions)
13	A	TI-measurement signal (fuel consumption)	Engine control module (DME) (M Versions)
14	E	Seat belt warning lamp control	Driver's seat belt switch
15	E	SIA reset/service interval indicator reset	Data link connector
16	E	Voltage supply, terminal R	Front power distribution box, fuse 46
17	A	Coolant temperature sensor (-)	Coolant temperature sensor (M Versions)
18	E	Coolant temperature sensor (+)	Coolant temperature sensor (M Versions)
19	E	Oil pressure warning lamp control	Oil pressure switch (M Versions) Engine control module (Z3 Versions)
20		Not used	
21	M	Ground (ASC)	Ground point (M Versions)
21	E	ABS warning lamp (ABS)	Slip control module (ABS/ASC) (Z3 Versions)
22	E	Ignition key warning/audible ignition key warning	Ignition switch

E = Input, A = Output, M = Ground

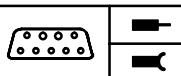


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Z3



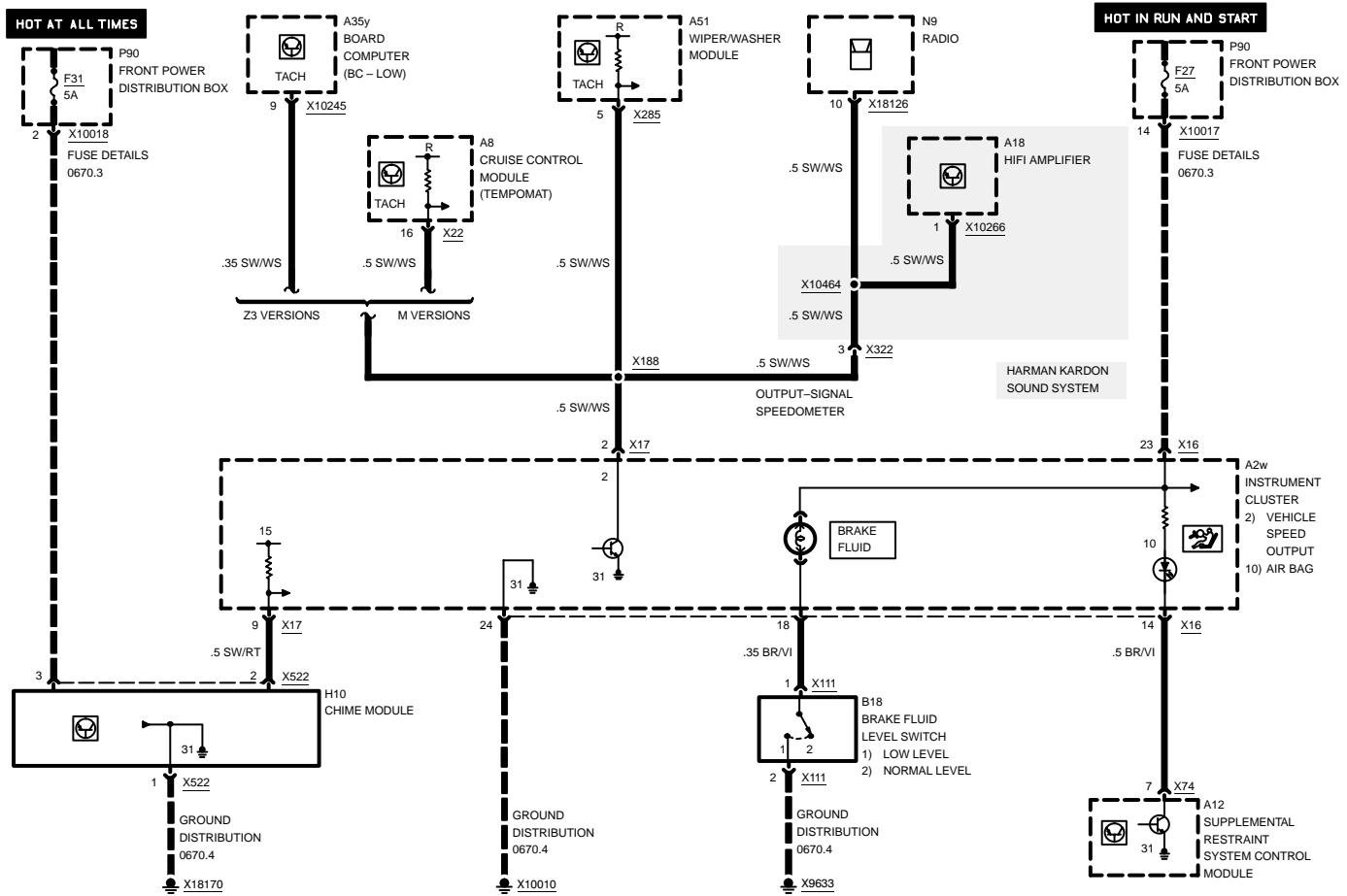
Pin Assignments

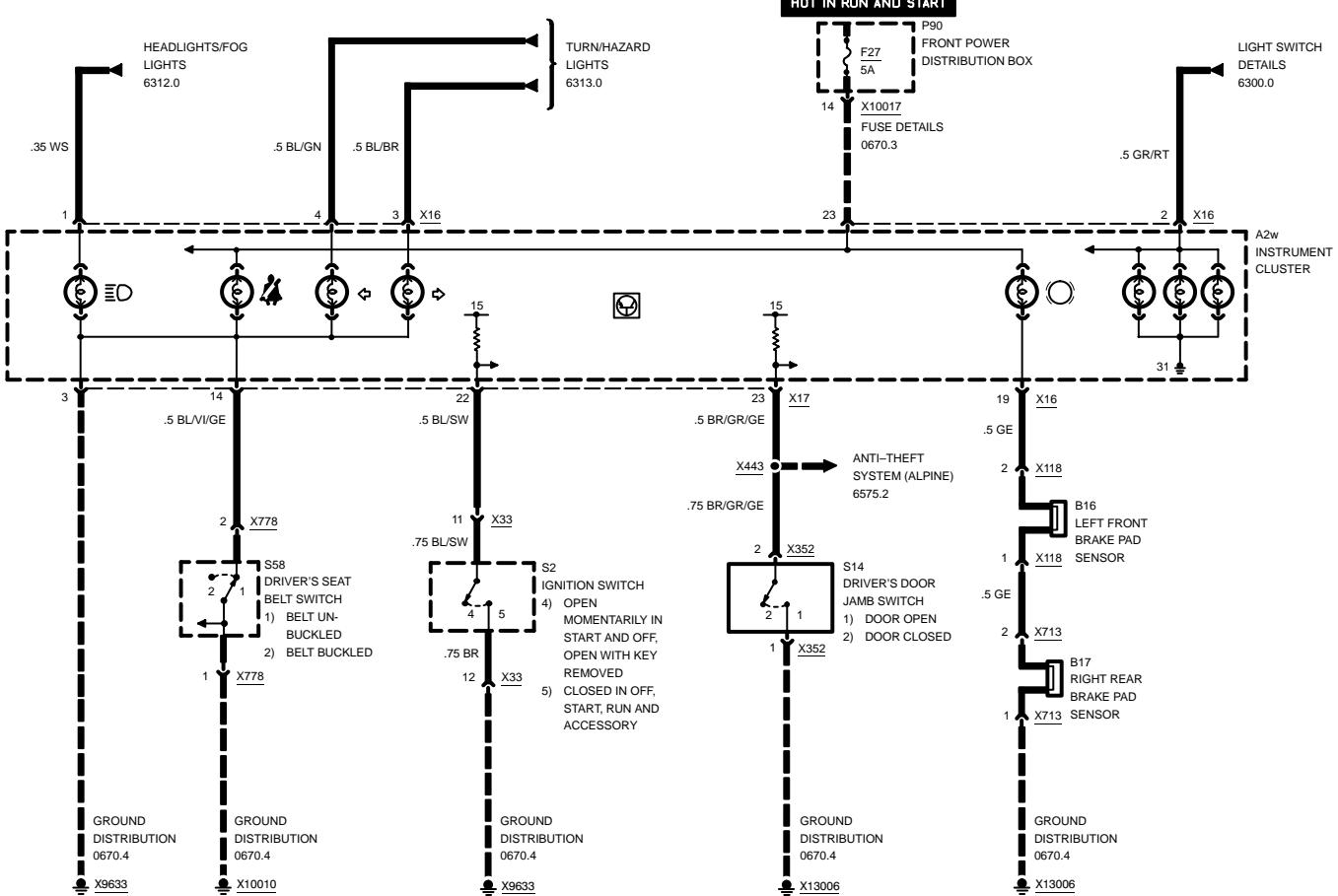
Pin	Type	Description/Function	Connection
23	E	Driver's door open	Driver's door jamb switch
24		Not used	
25	E	Fuel consumption signal	Board computer (Z3 Versions)
26		Not used	

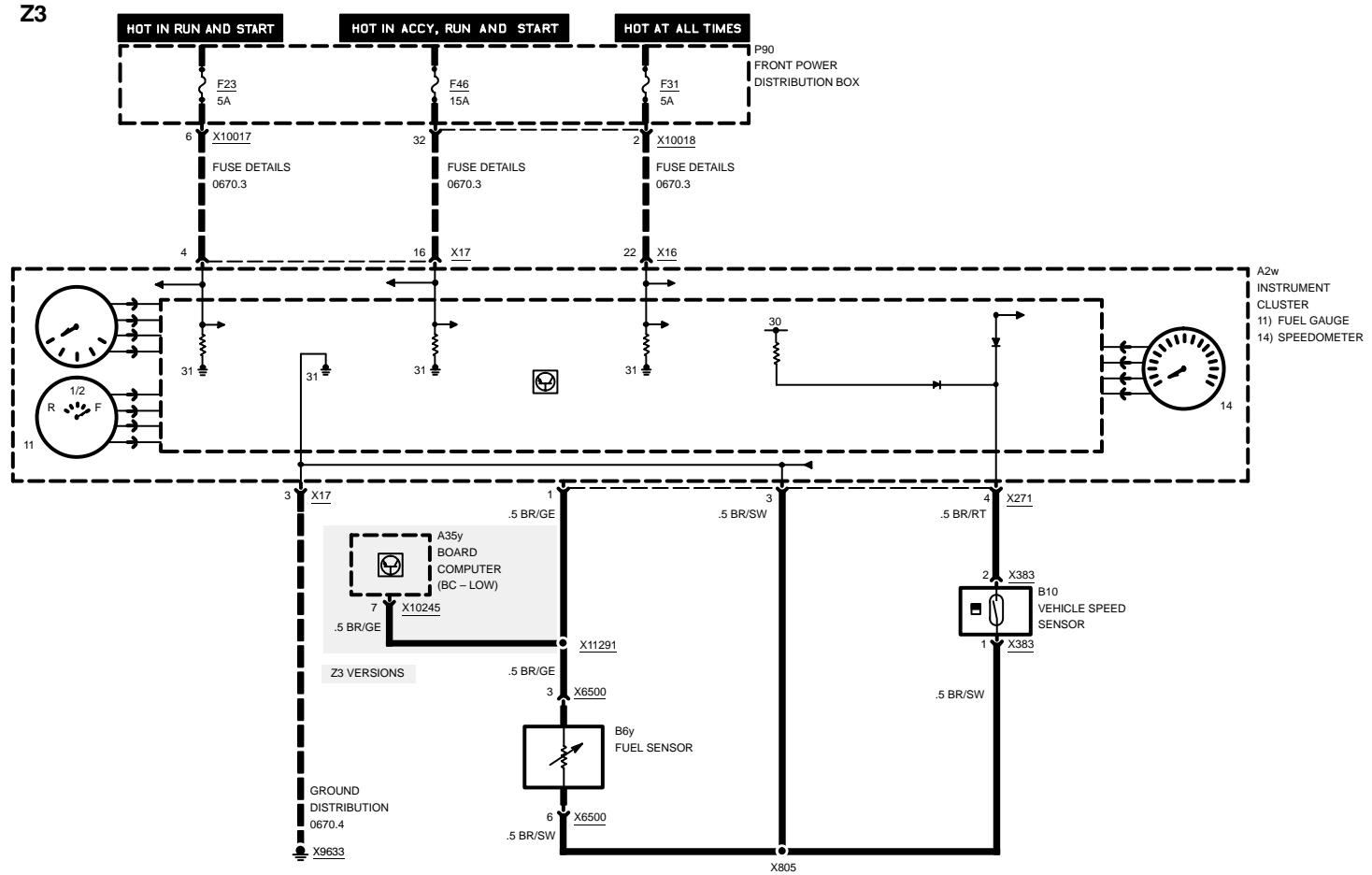
X271

Pin	Type	Description/Function	Connection
1	A	Fuel level sensor	Fuel tank sensors
2		Not used	
3	A	Ground supply for fuel tank sensor and vehicle speed sensor	Fuel tank sensor and vehicle speed sensor
4	E	Position signal TW	Vehicle speed sensor
5		Not used	
6	E	A/C-ON-signal	Air condition switch (Z3 Versions)
7	E	Activate A/C	Pressure switch, normal speed relay (Z3 Versions)
8		Not used	
9	E	Oil level signal	Thermal oil level sensor (TOENS) control module (Z3 Versions)
10		Not used	
11		Not used	
12		Not used	

E = Input, A = Output, M = Ground

INSTRUMENT CLUSTER
INDICATORS

INSTRUMENT CLUSTER
INDICATORS

INSTRUMENT CLUSTER
INDICATORS

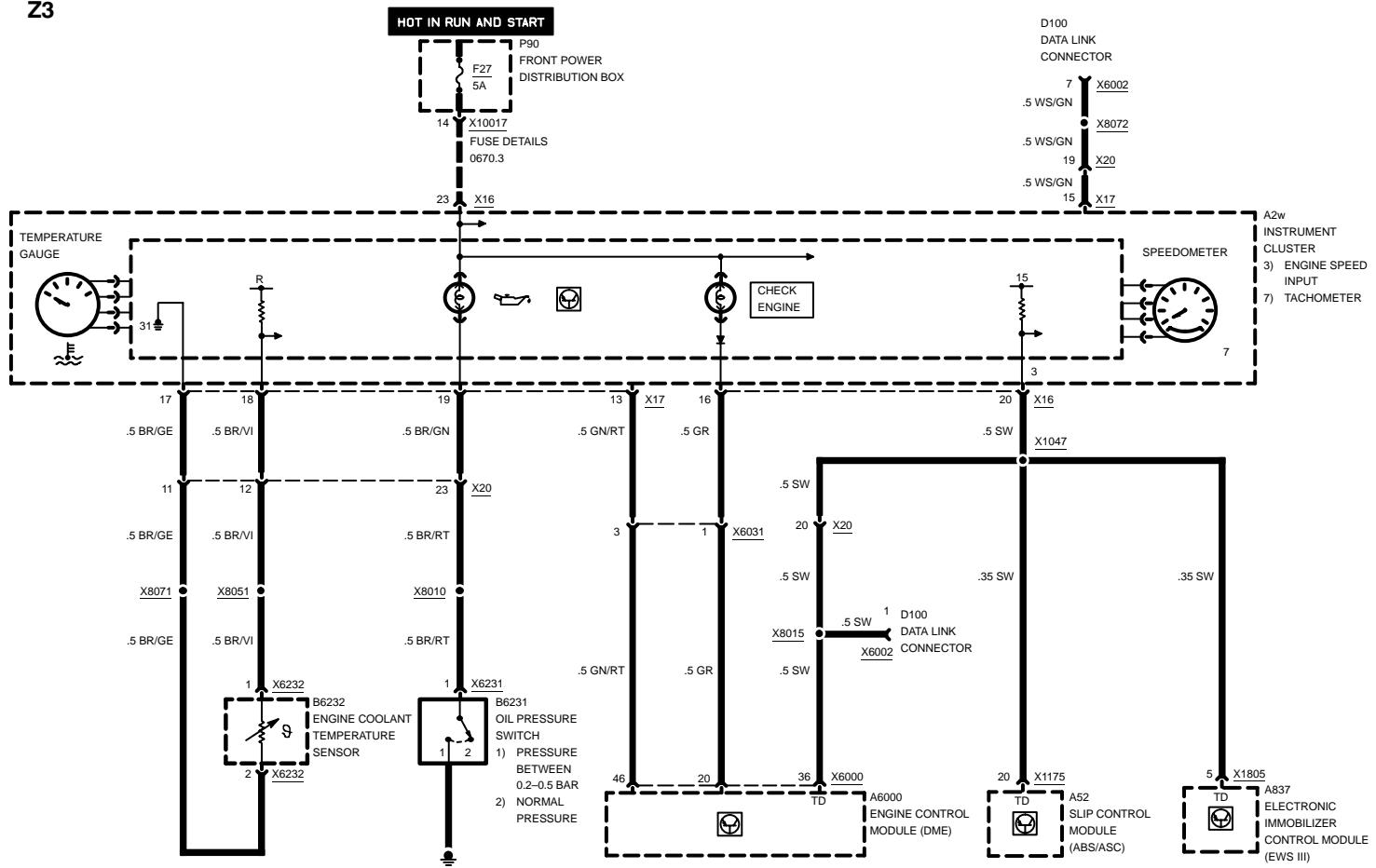
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Z3 **INSTRUMENT CLUSTER**
INDICATORS

M VERSIONS

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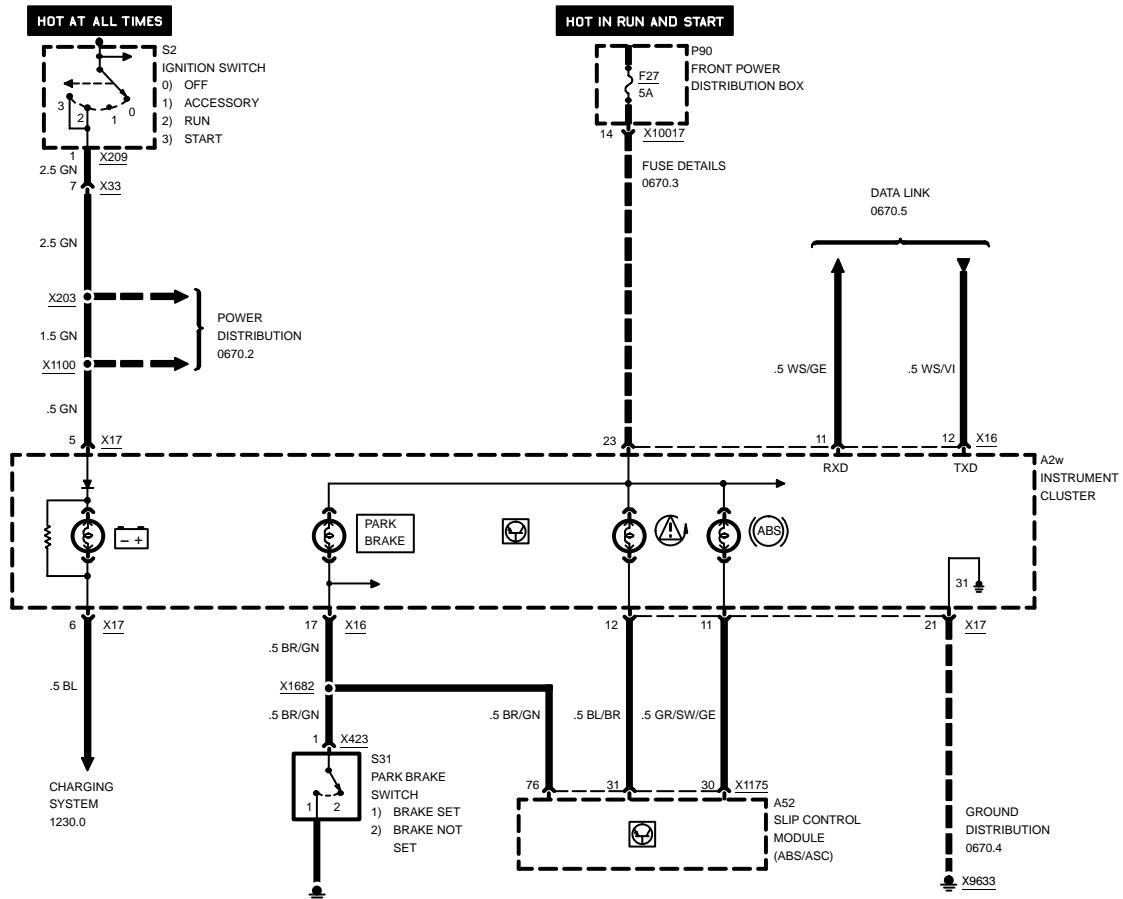
BMW
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Z3
INSTRUMENT CLUSTER
INDICATORS

M VERSIONS

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6211.0-04

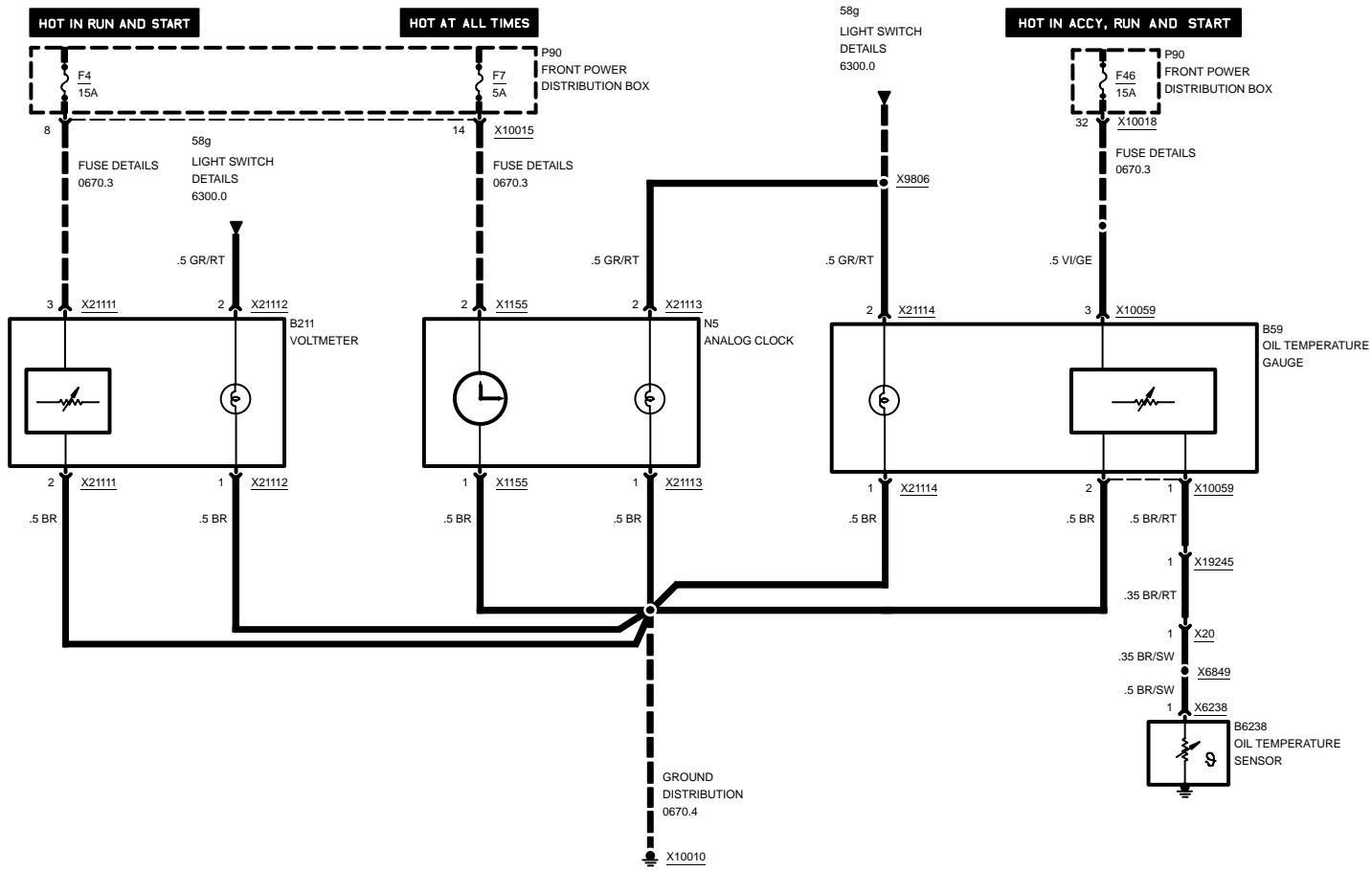
1999



BMW
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INSTRUMENT CLUSTER
CONSOLE INSTRUMENTS

Z3

M VERSIONS



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6211.0-05

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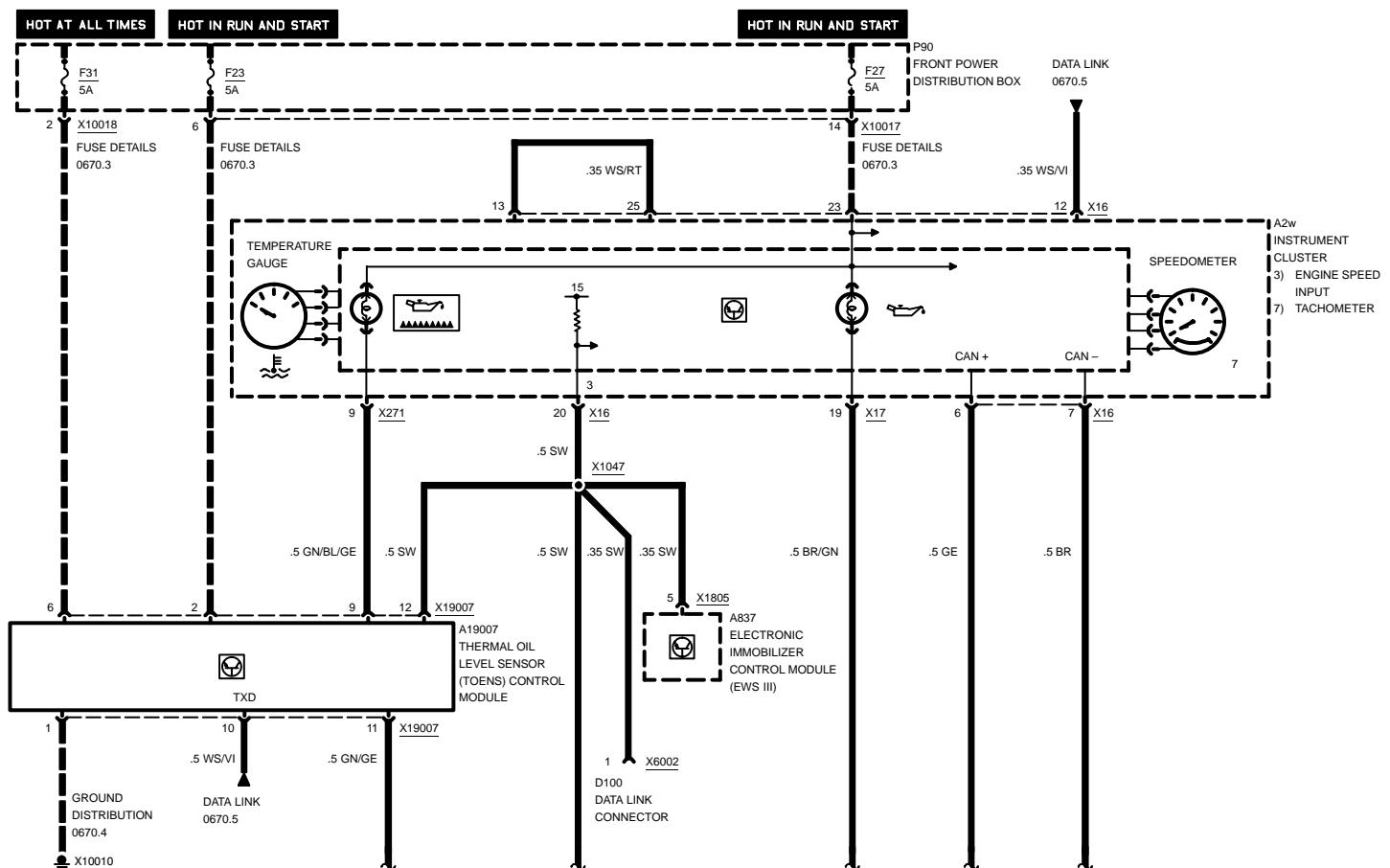
BMW **3** **INSTRUMENT CLUSTER**
INDICATORS
Z3

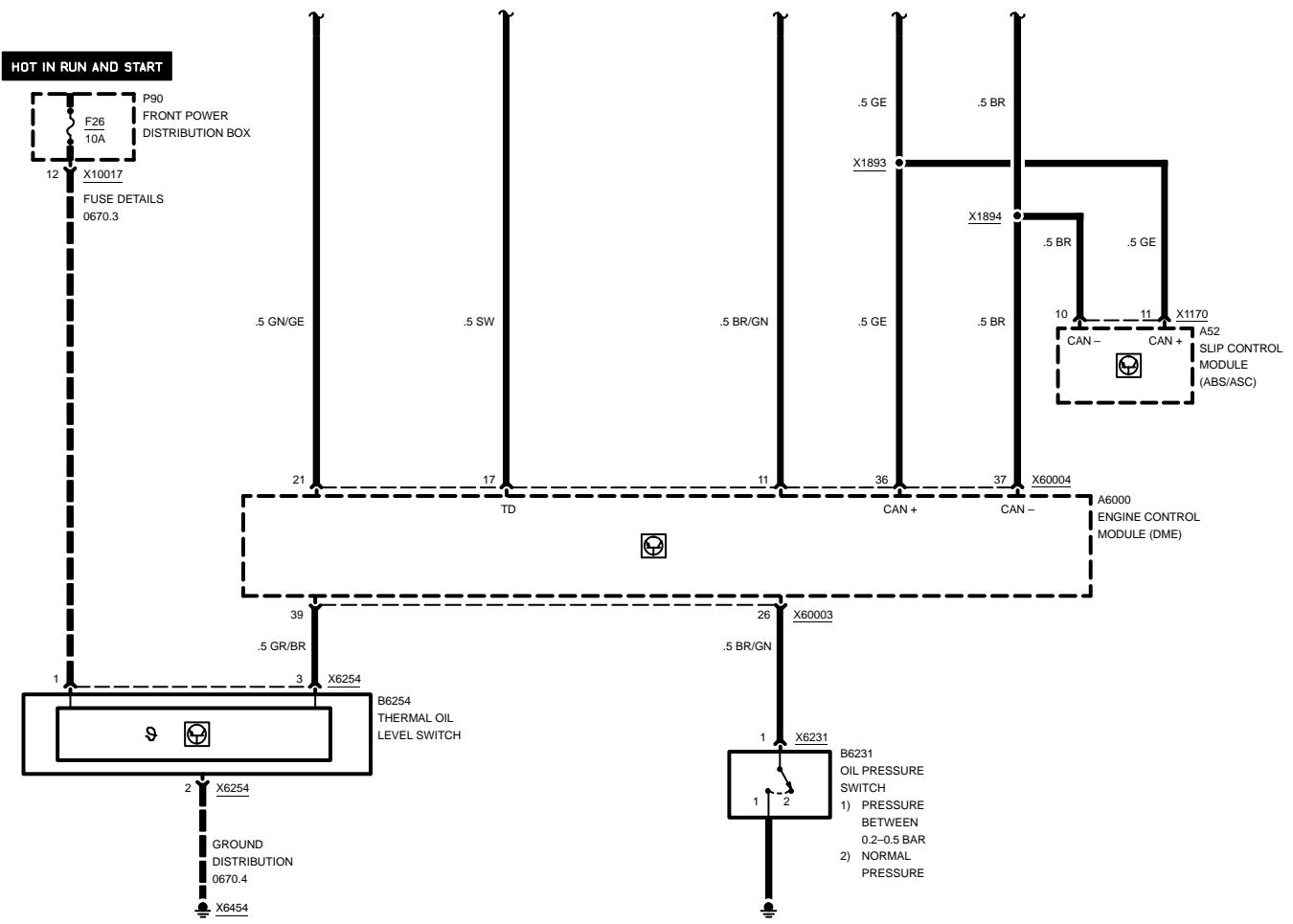
Z3 VERSIONS

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6211.0-06

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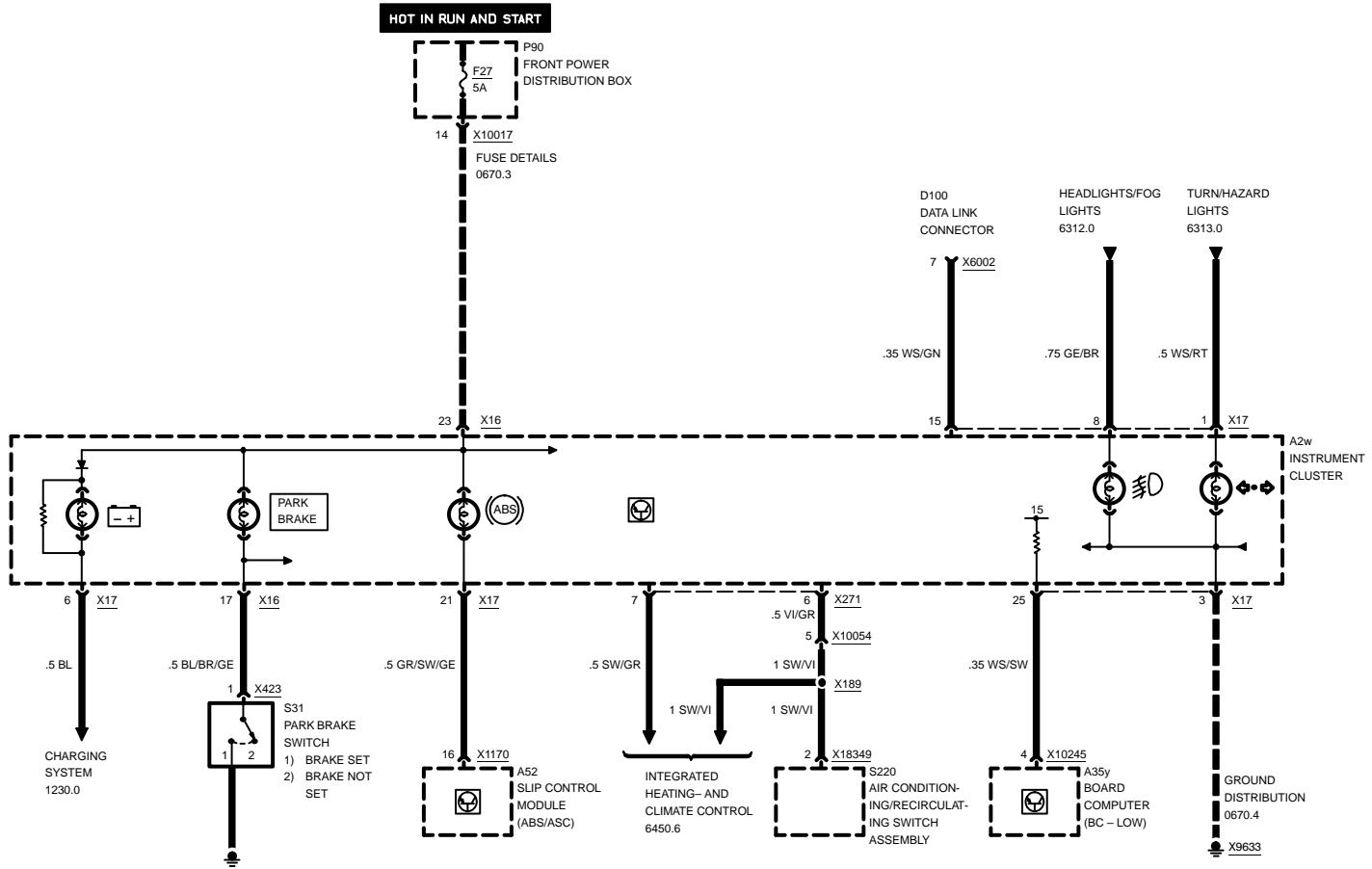
BMW
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Z3 **INSTRUMENT CLUSTER**
INDICATORS

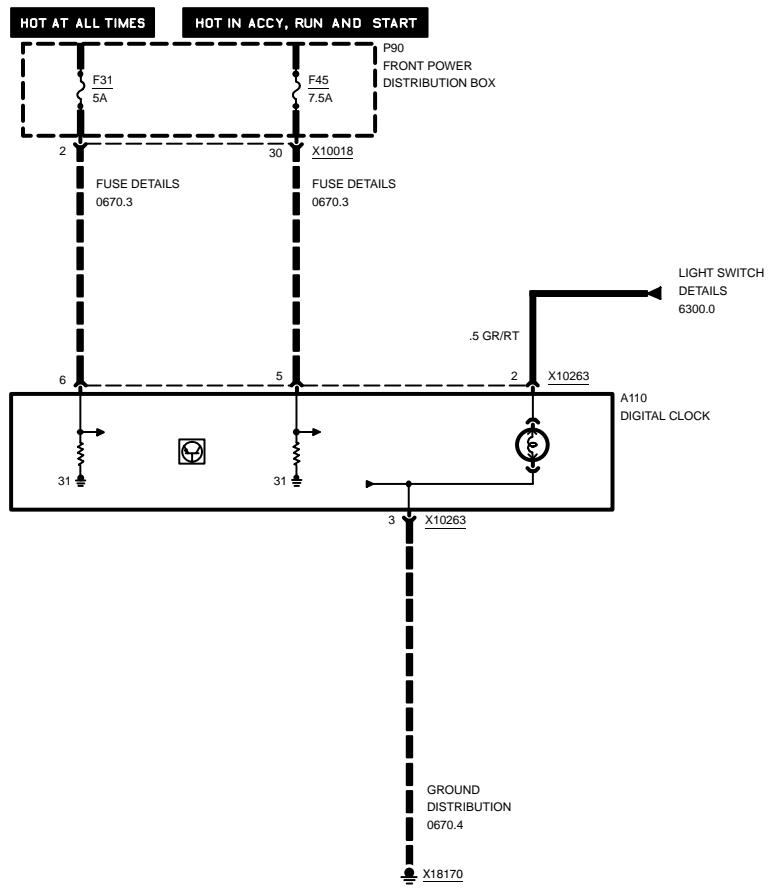
Z3 VERSIONS

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6211.0-08

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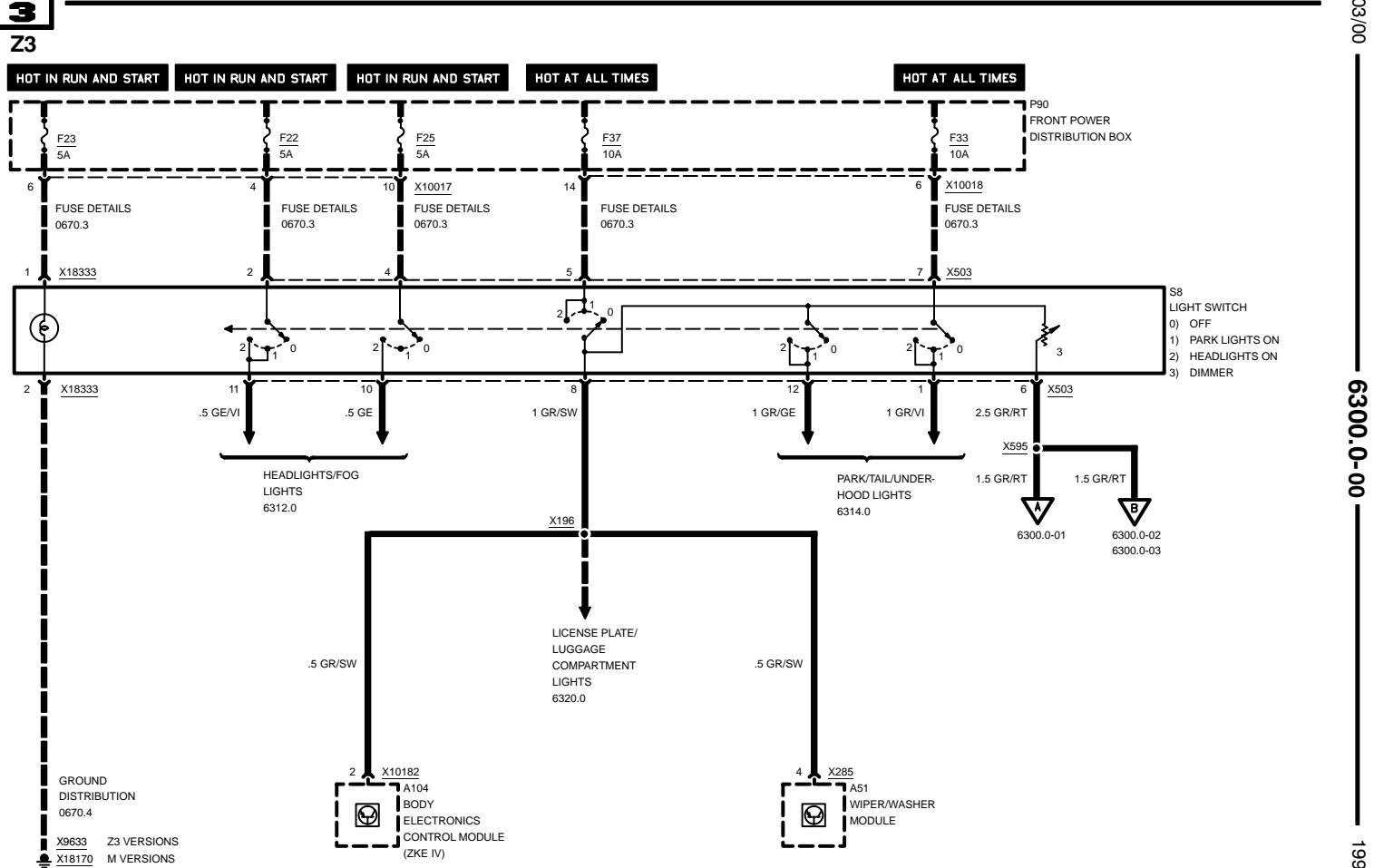


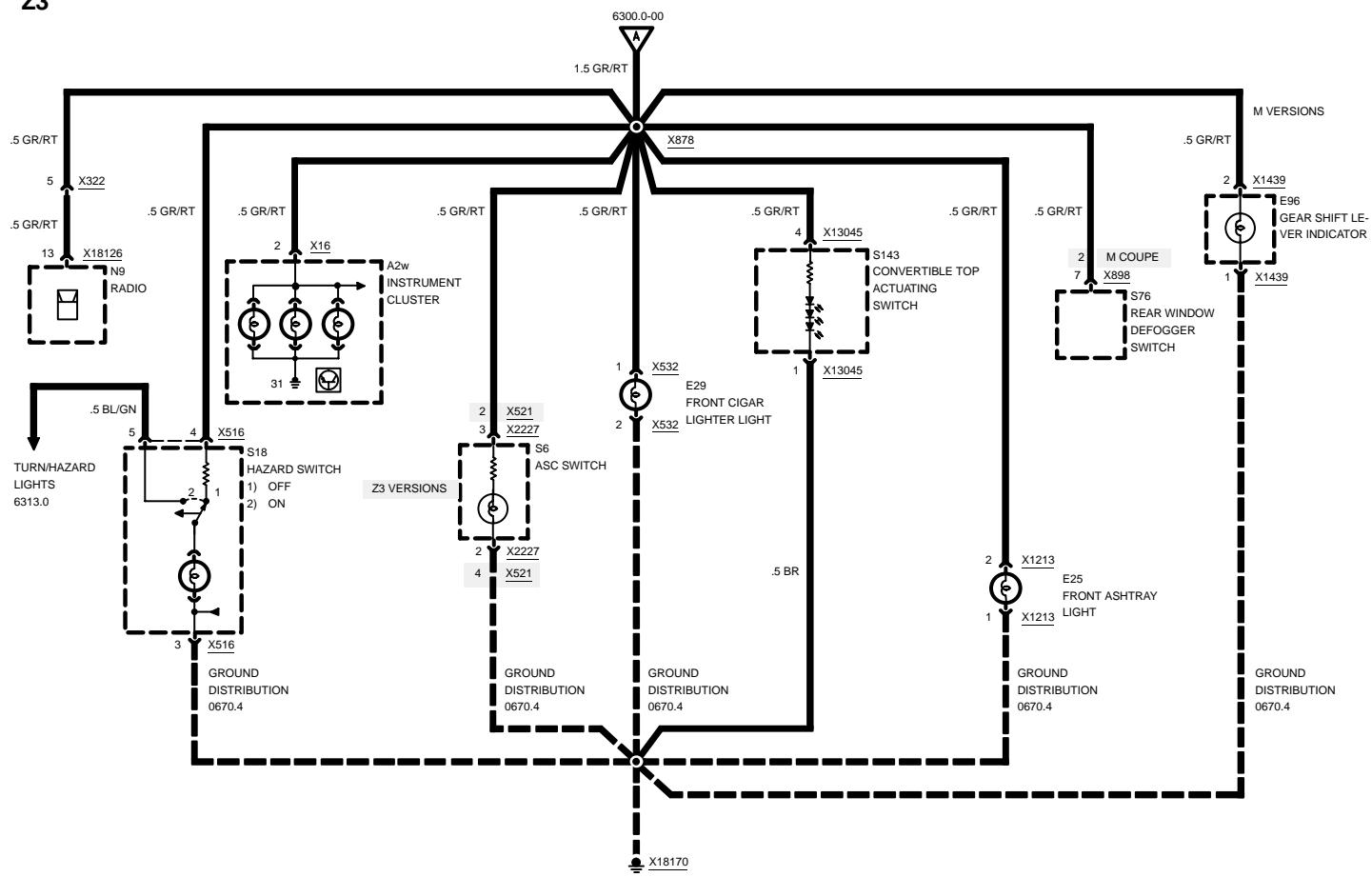


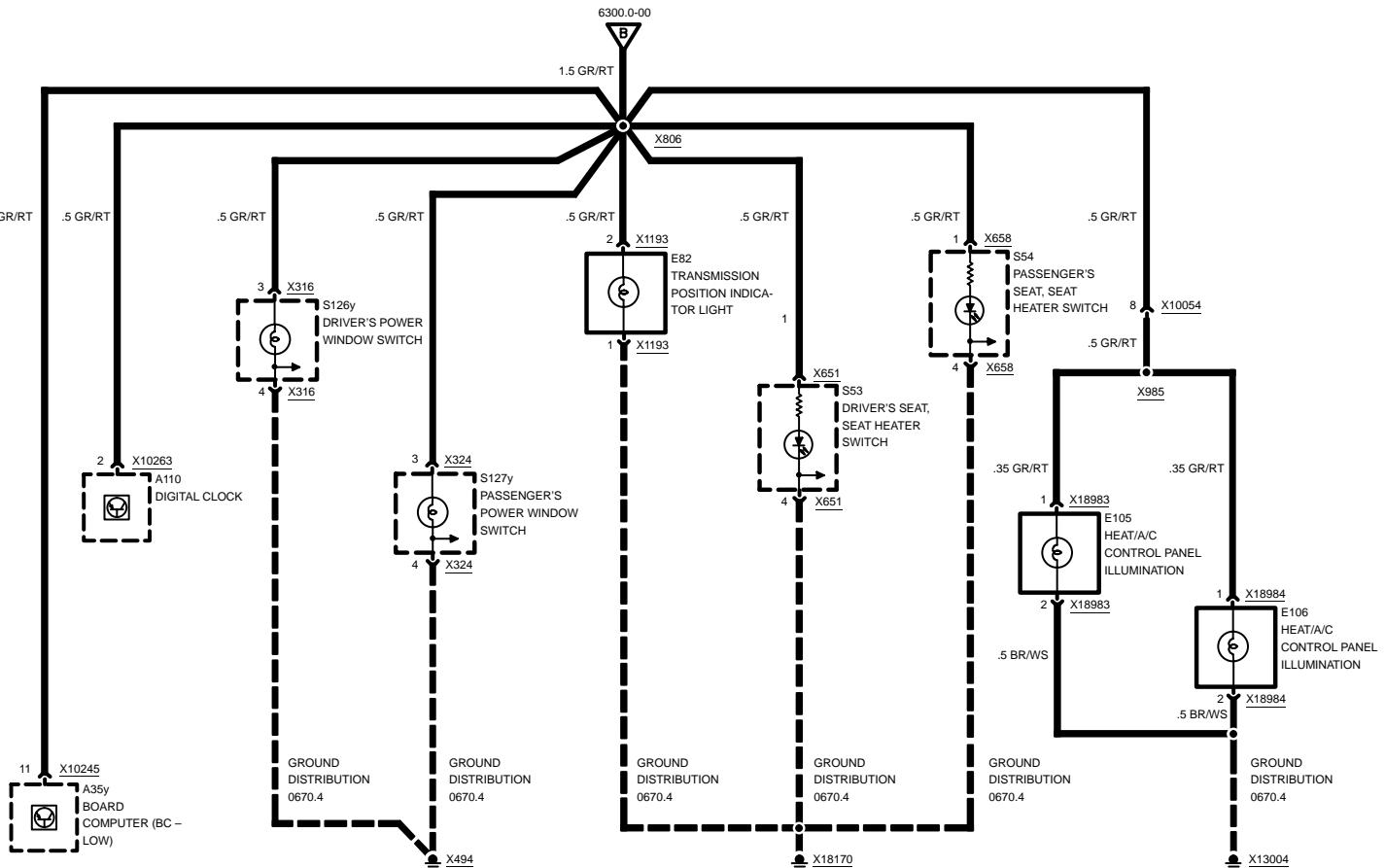
BMW

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Z3

6300.0 LIGHT SWITCH DETAILS

LIGHT SWITCH DETAILS



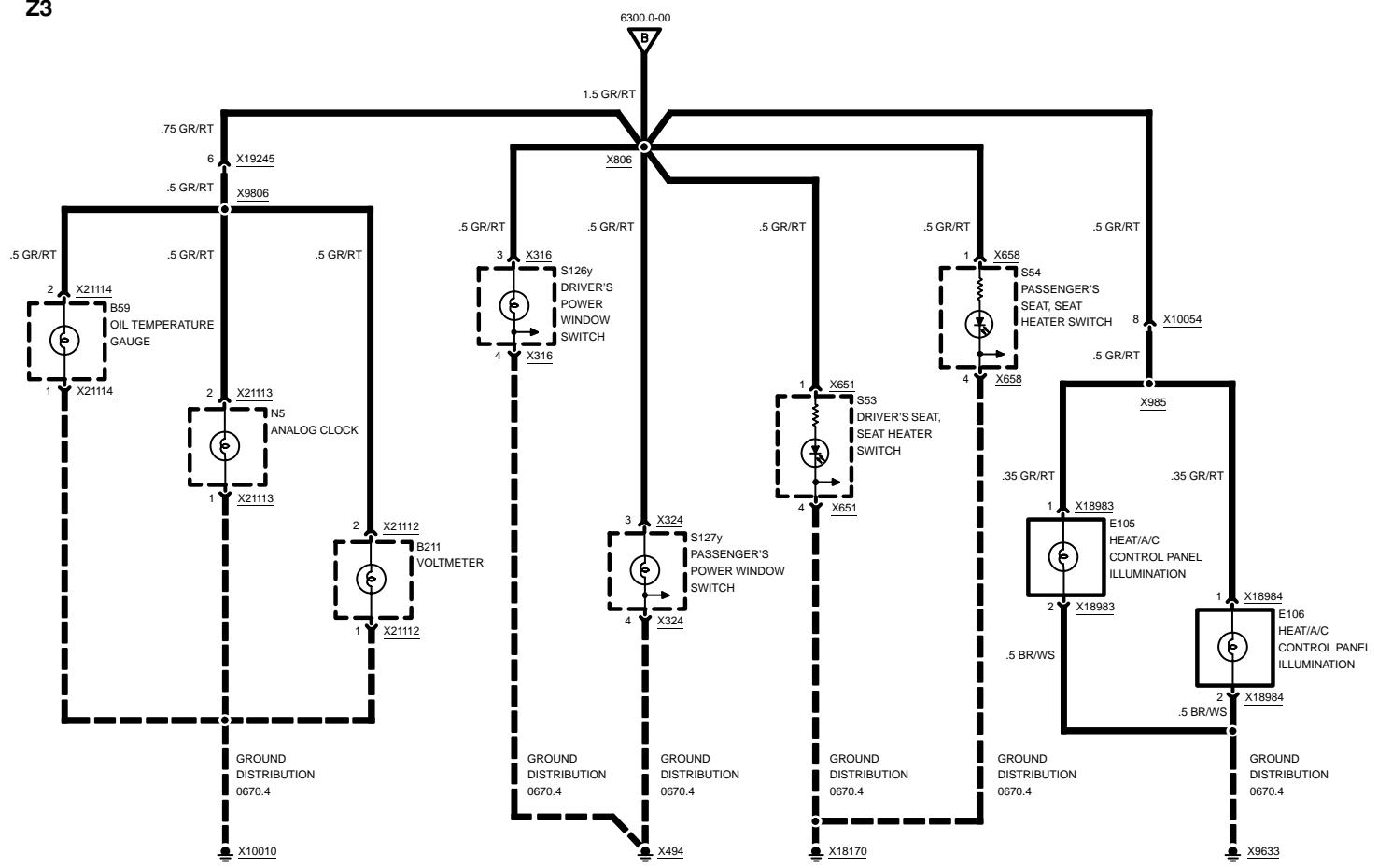
LIGHT SWITCH DETAILS

M VERSIONS

03/00

6300.0-03

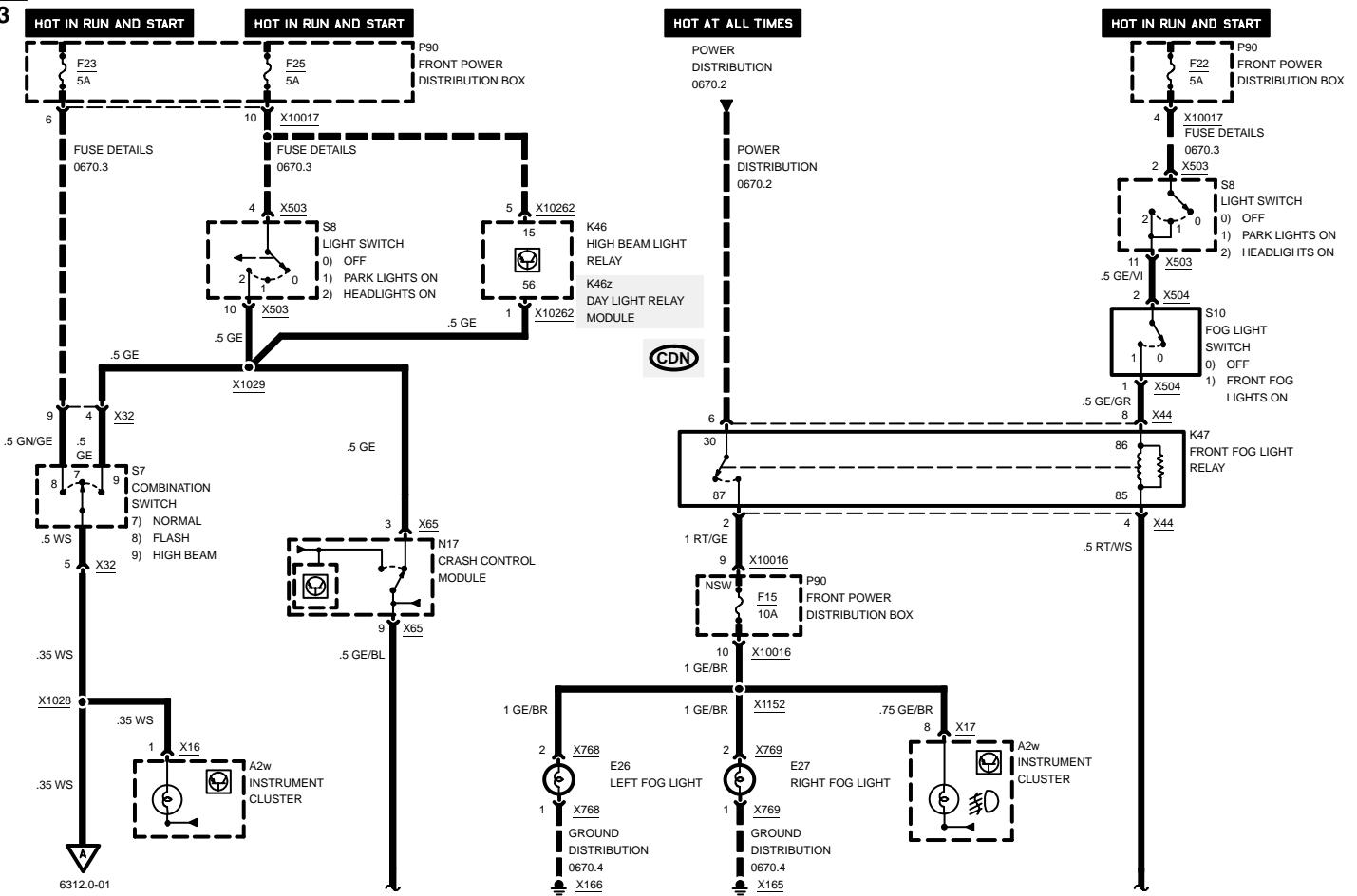
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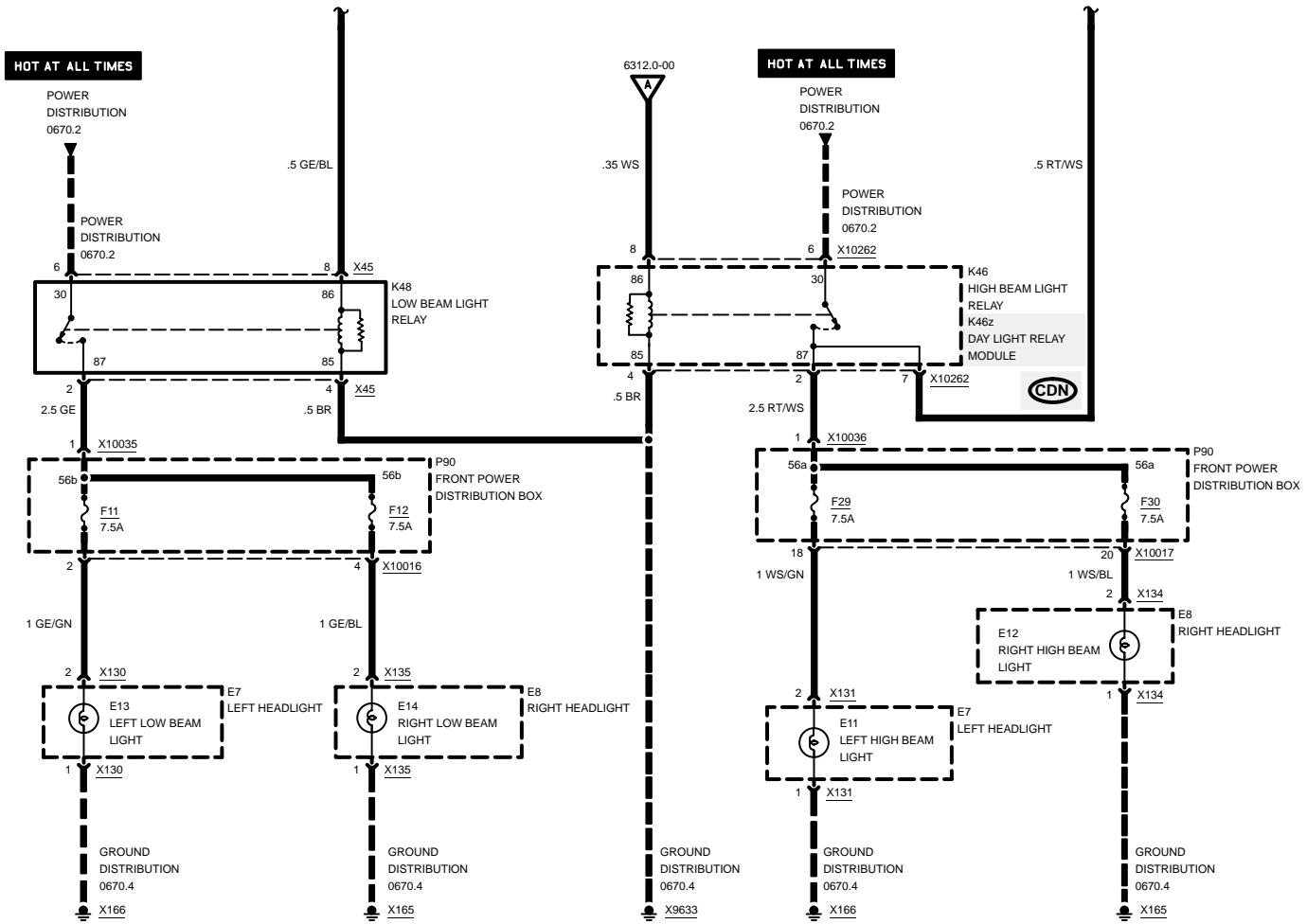


BMW
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6312.0 HEADLIGHTS/FOG LIGHTS

Z3



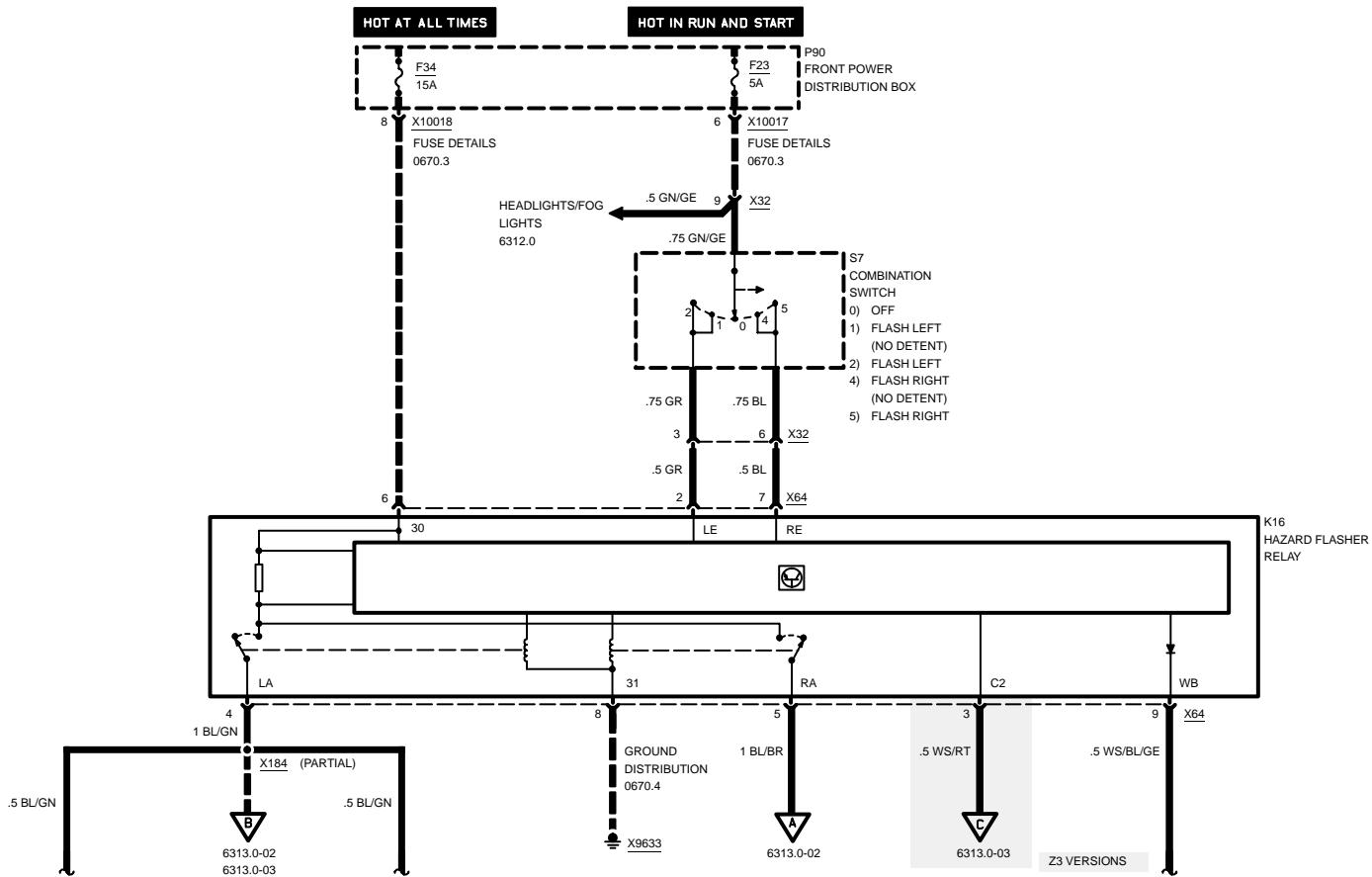


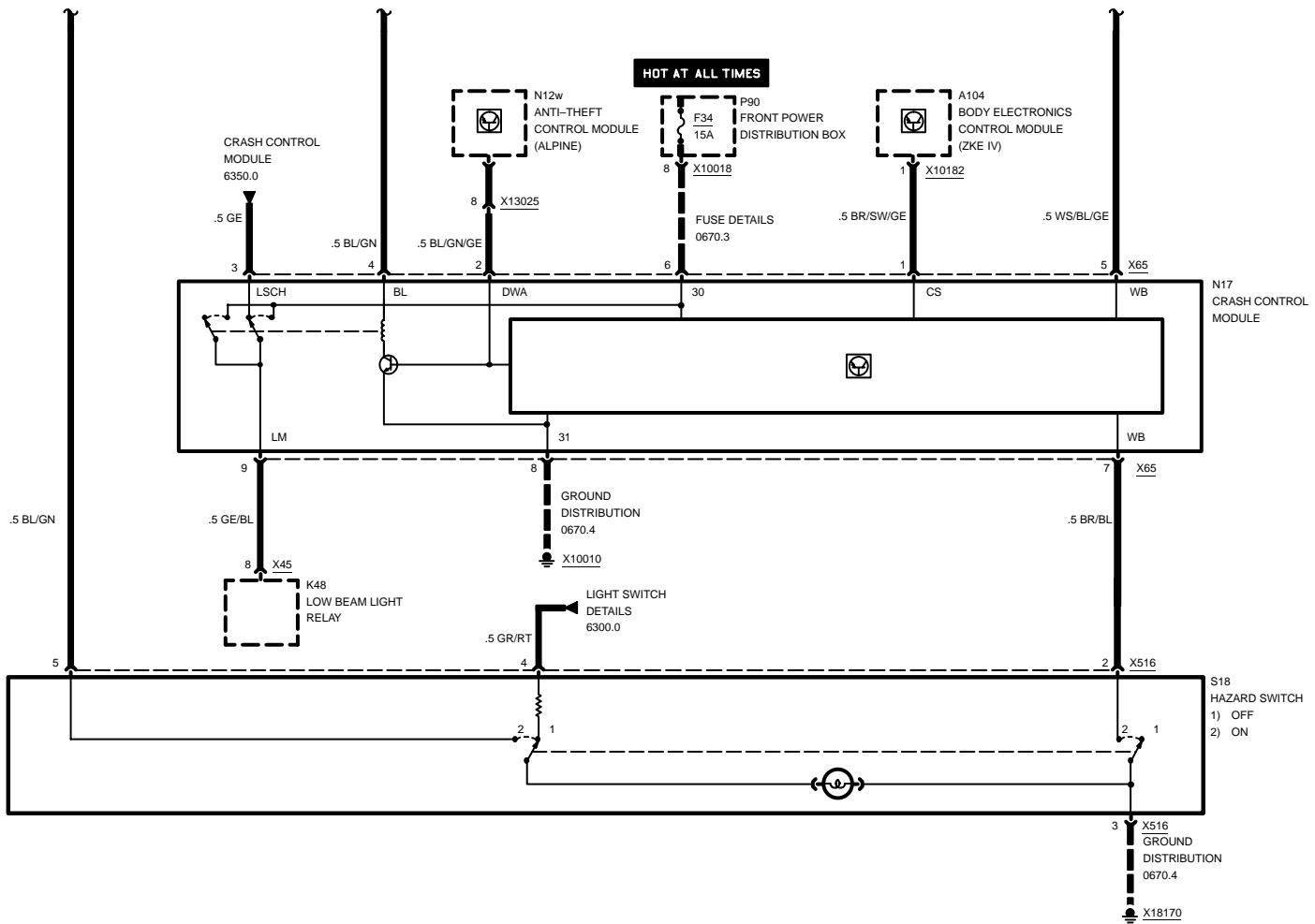
6313.0 TURN/HAZARD LIGHTS

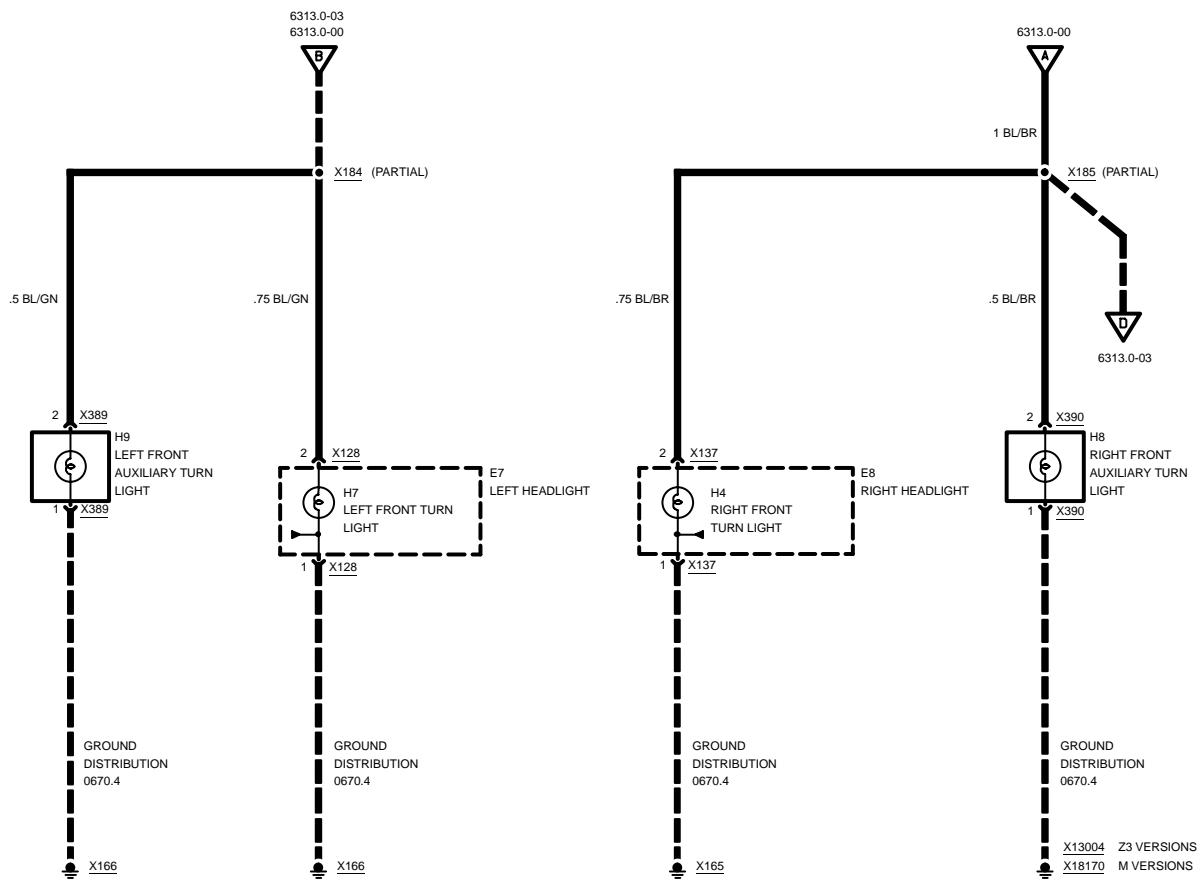
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6313.0-00

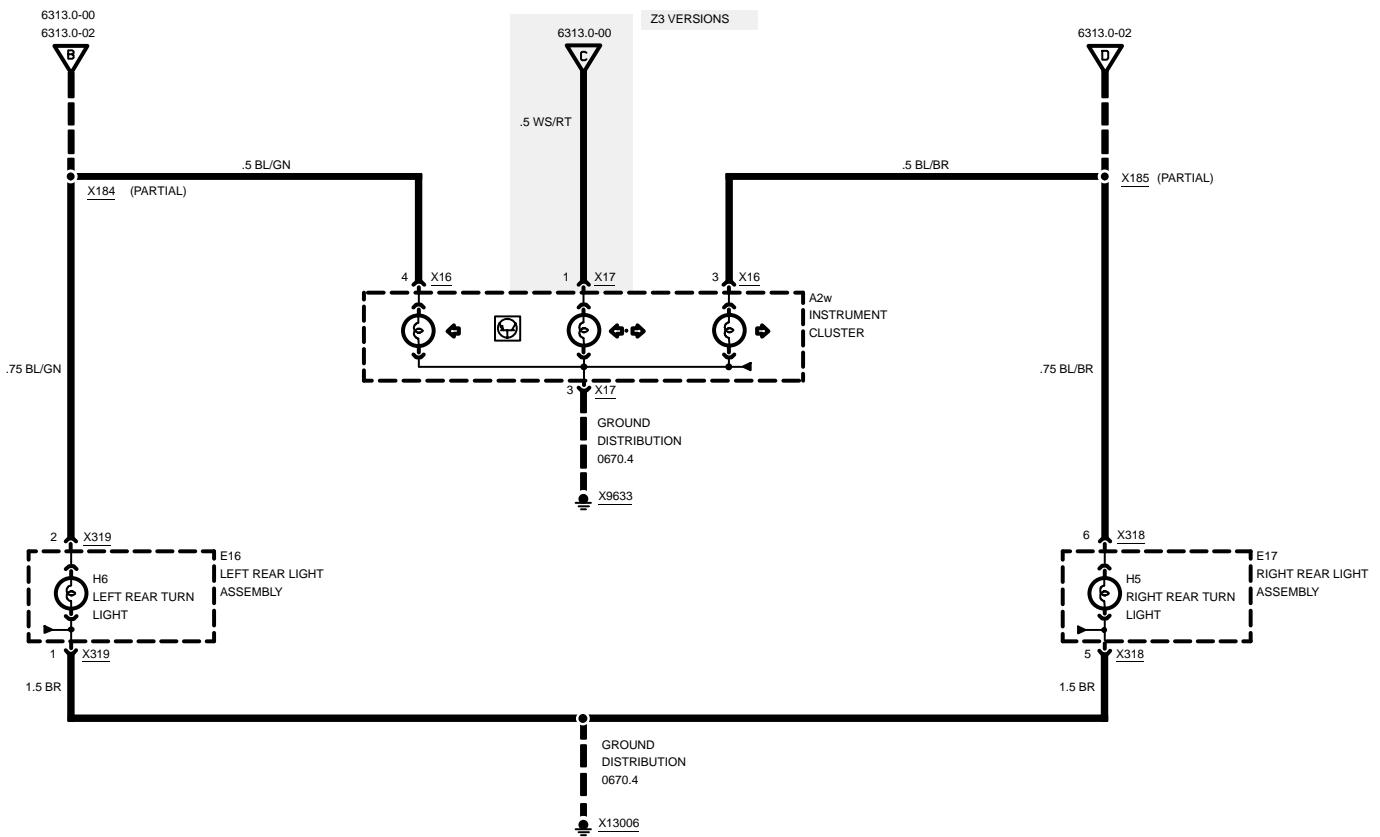
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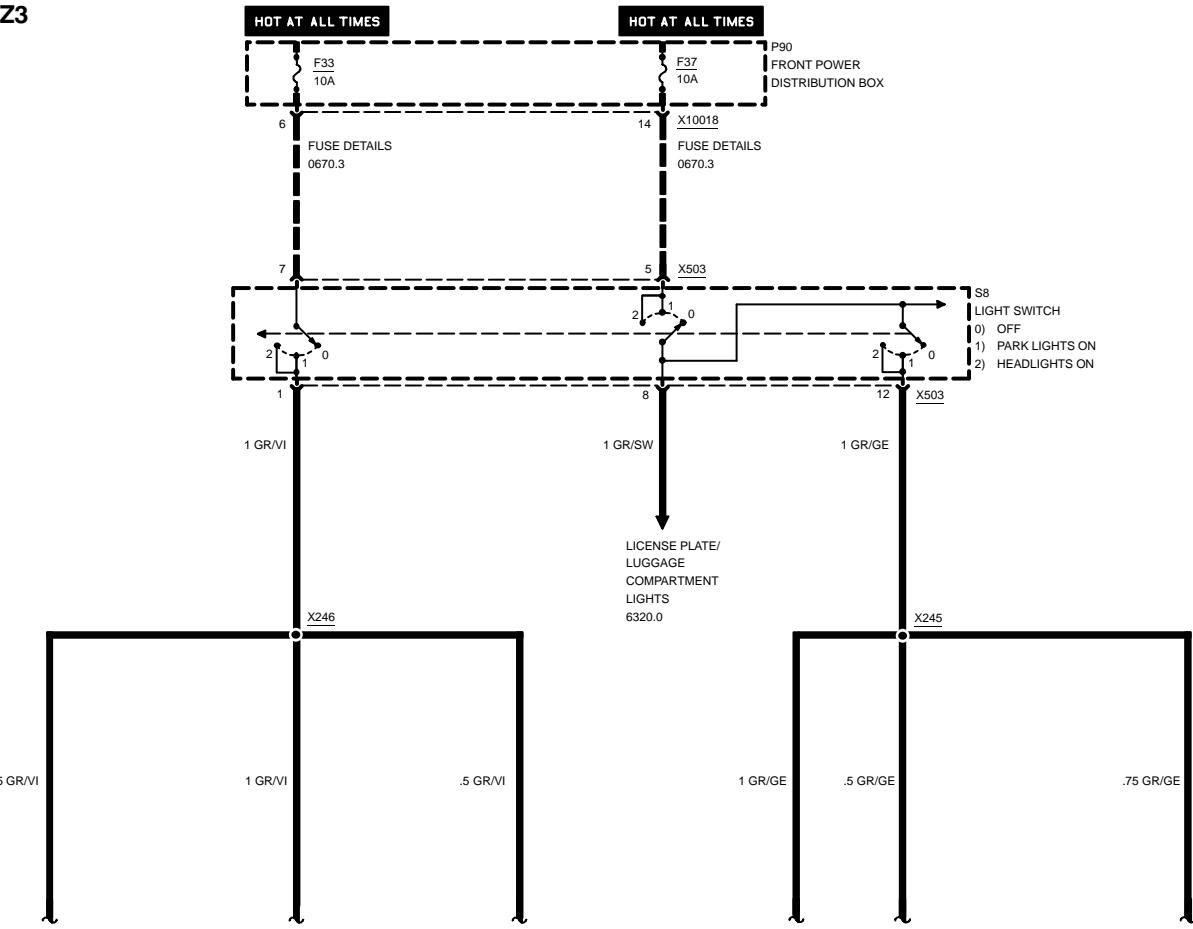
TURN/HAZARD LIGHTS



6314.0 PARK/TAIL/UNDERHOOD LIGHTS

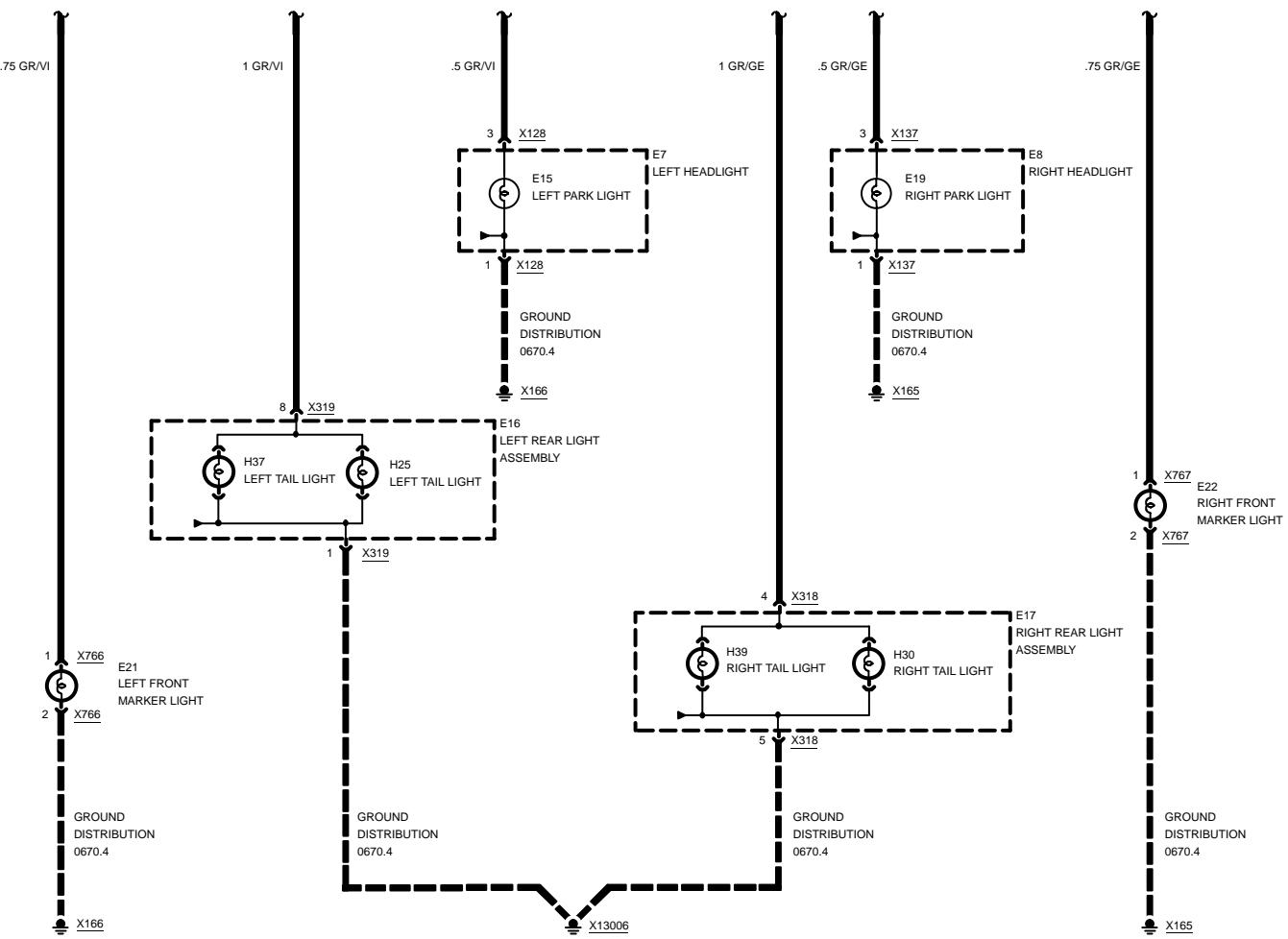
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6314.0-00

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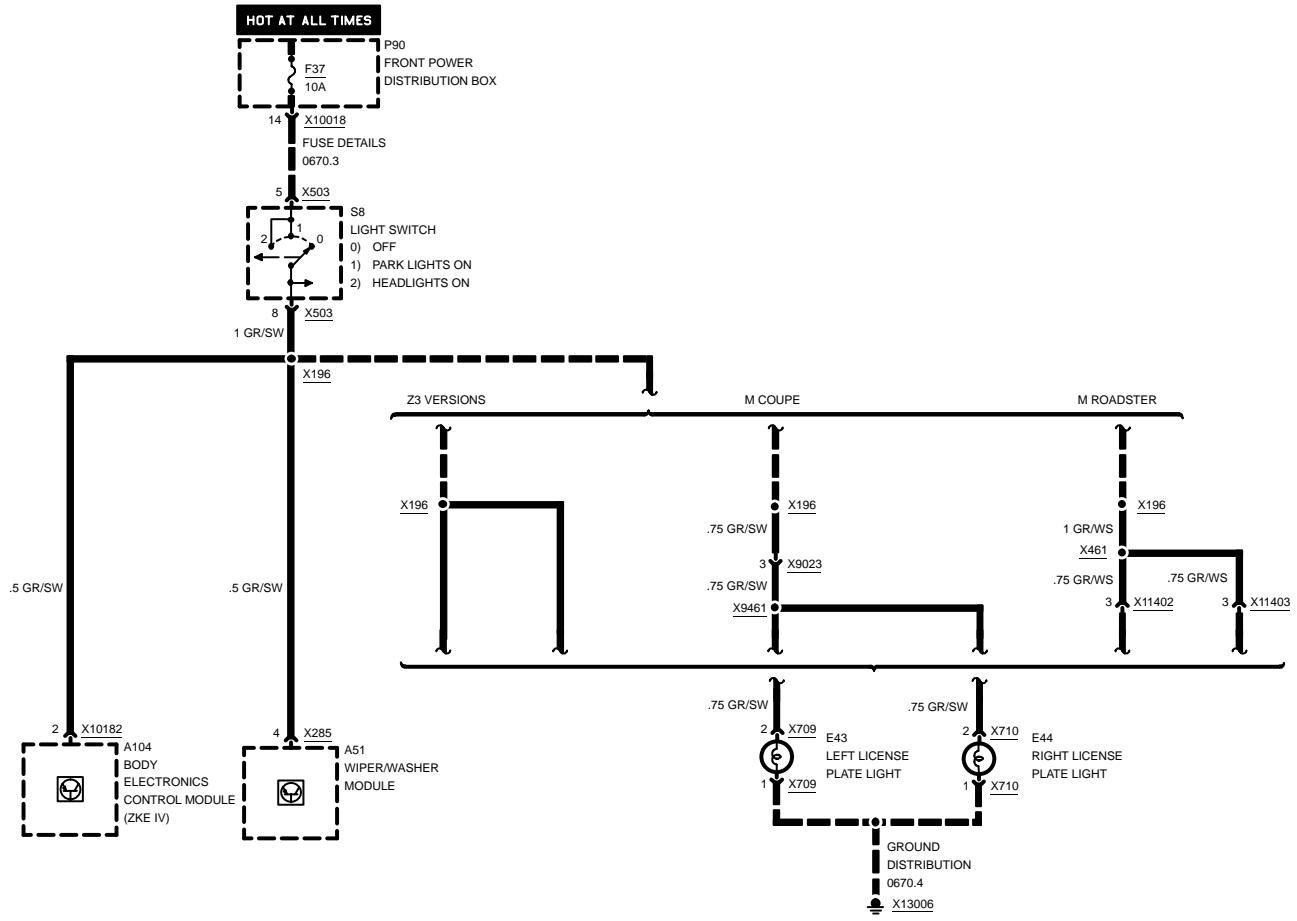


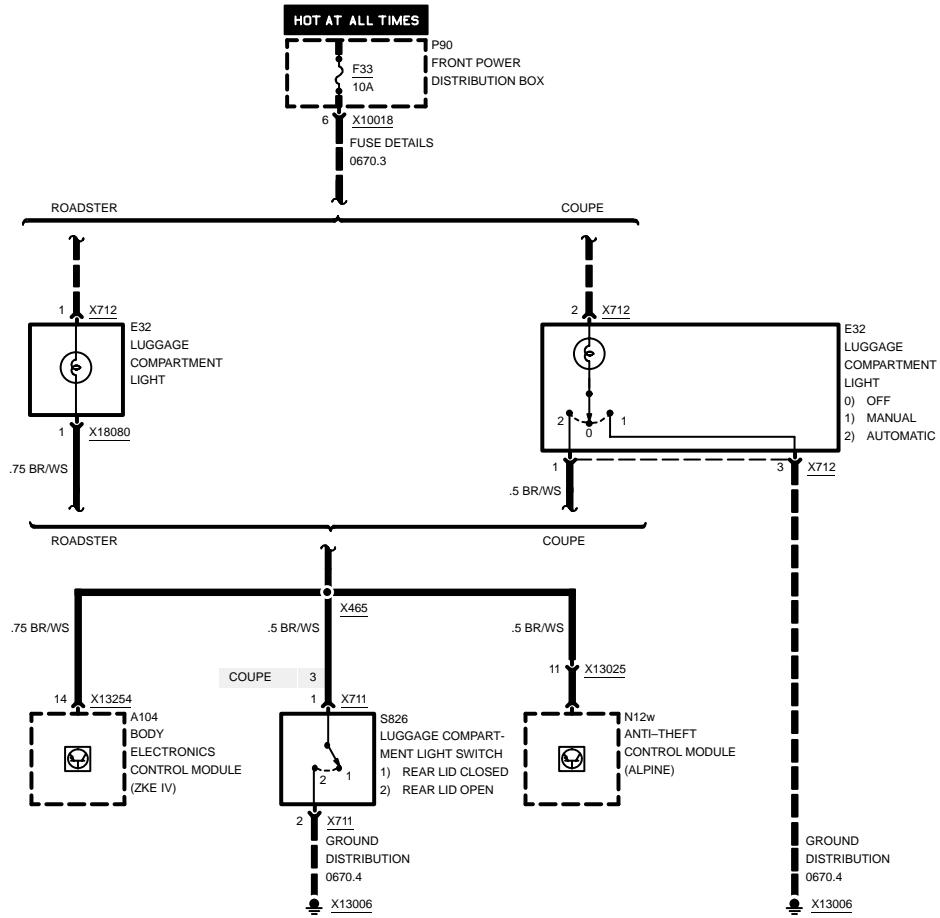
6320.0 LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS

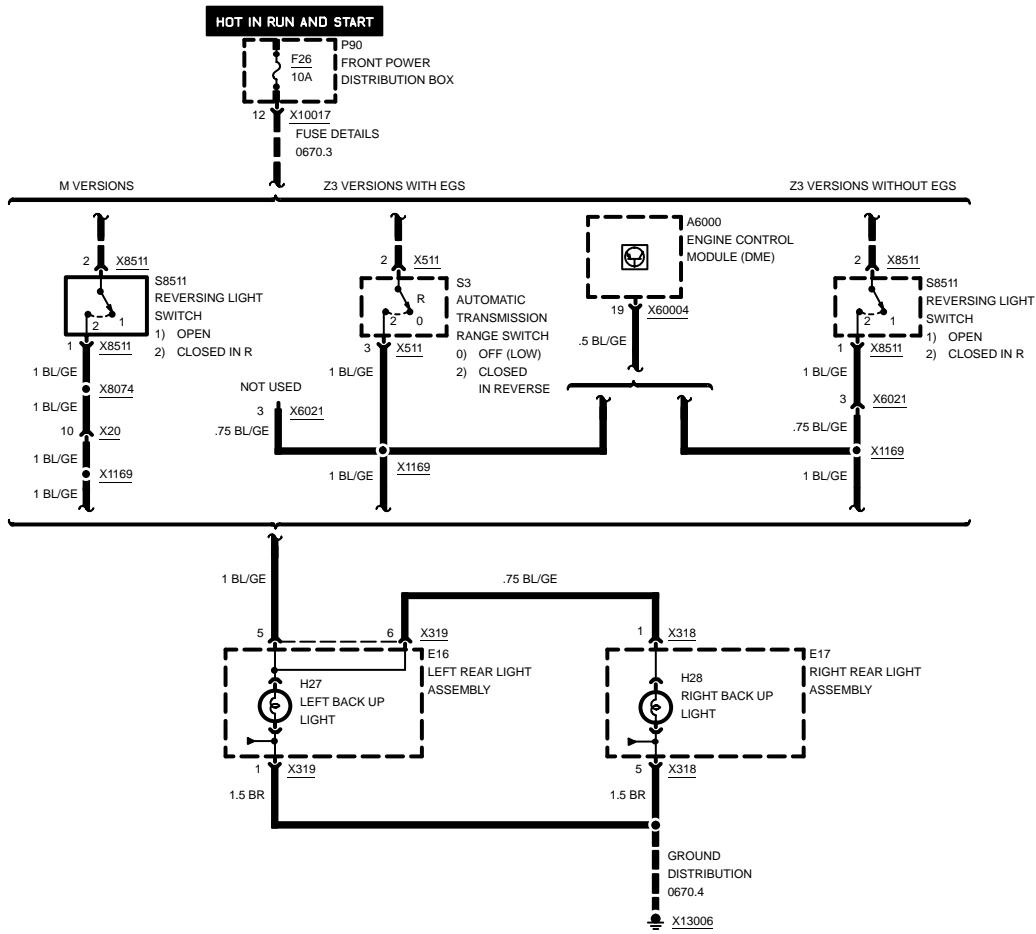
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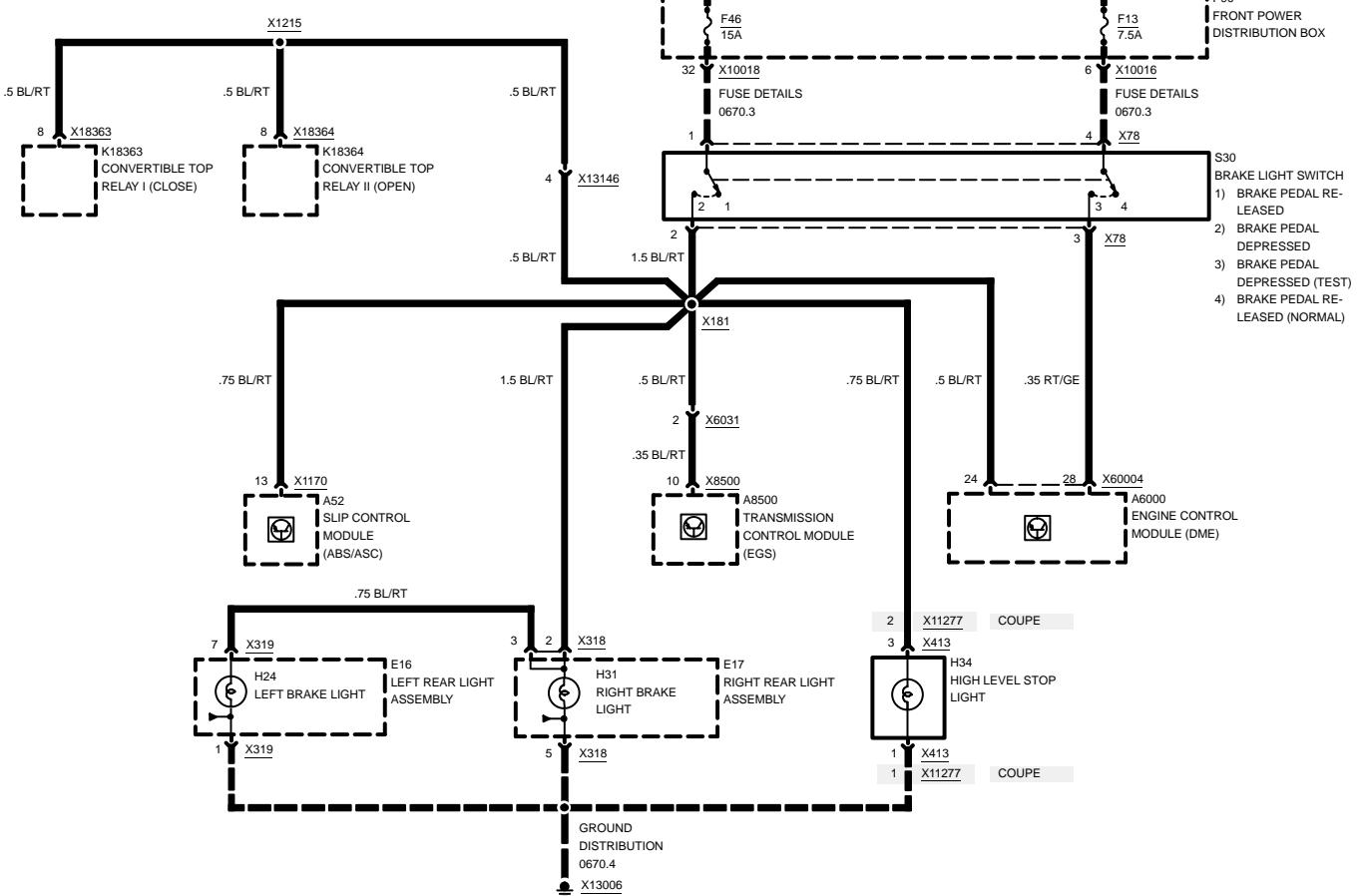
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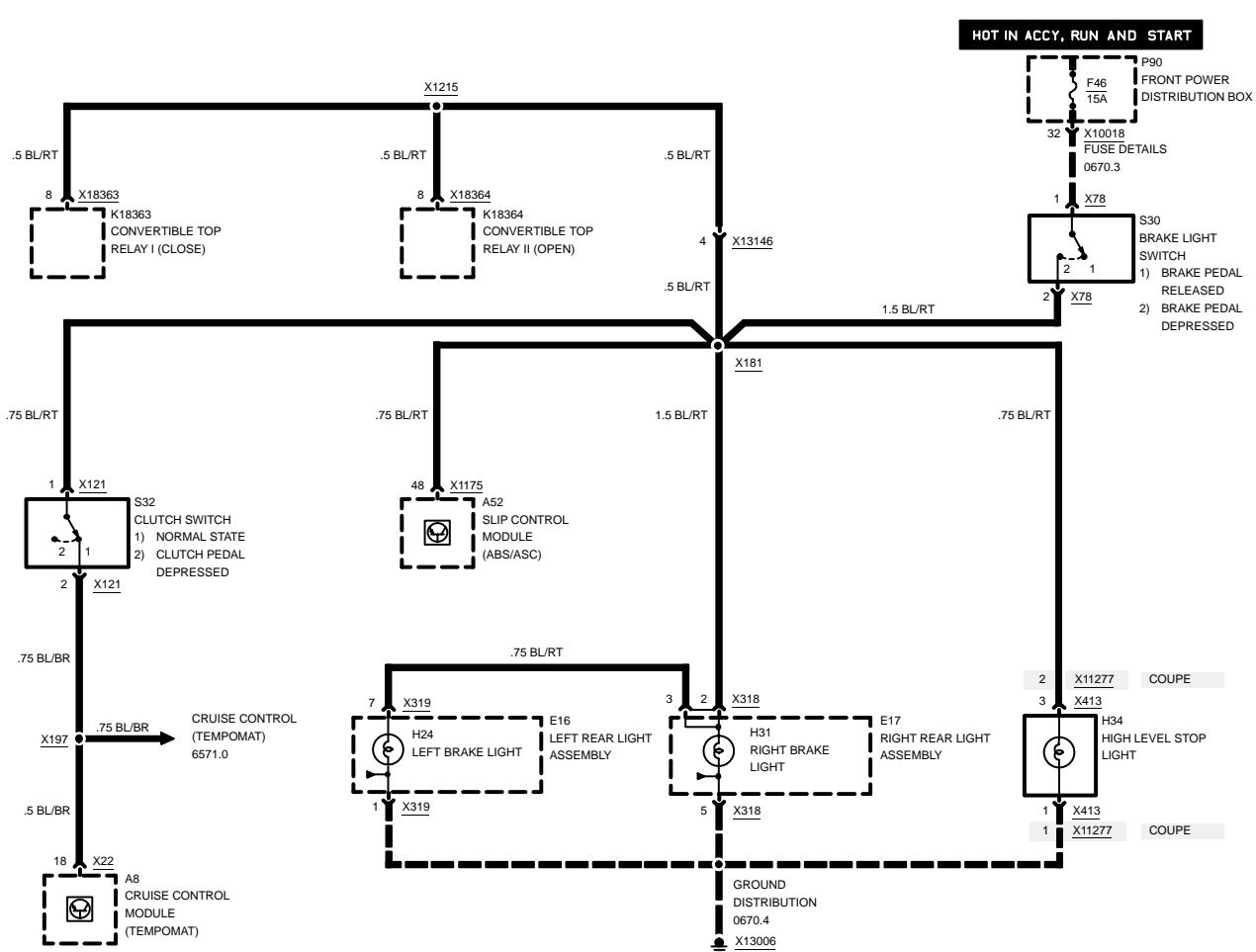
LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS

6322.0 BACK UP LIGHTS

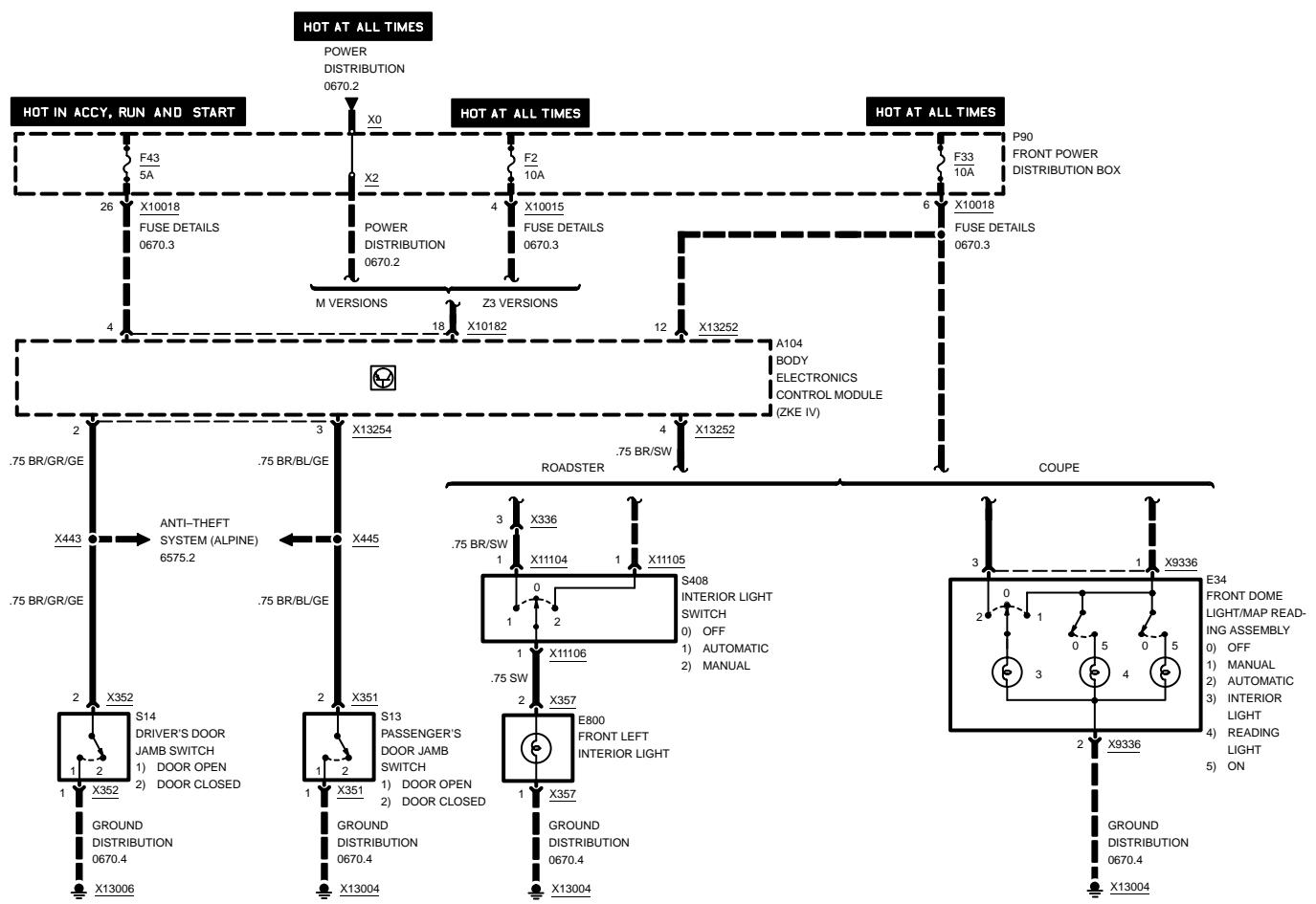


BRAKE LIGHTS

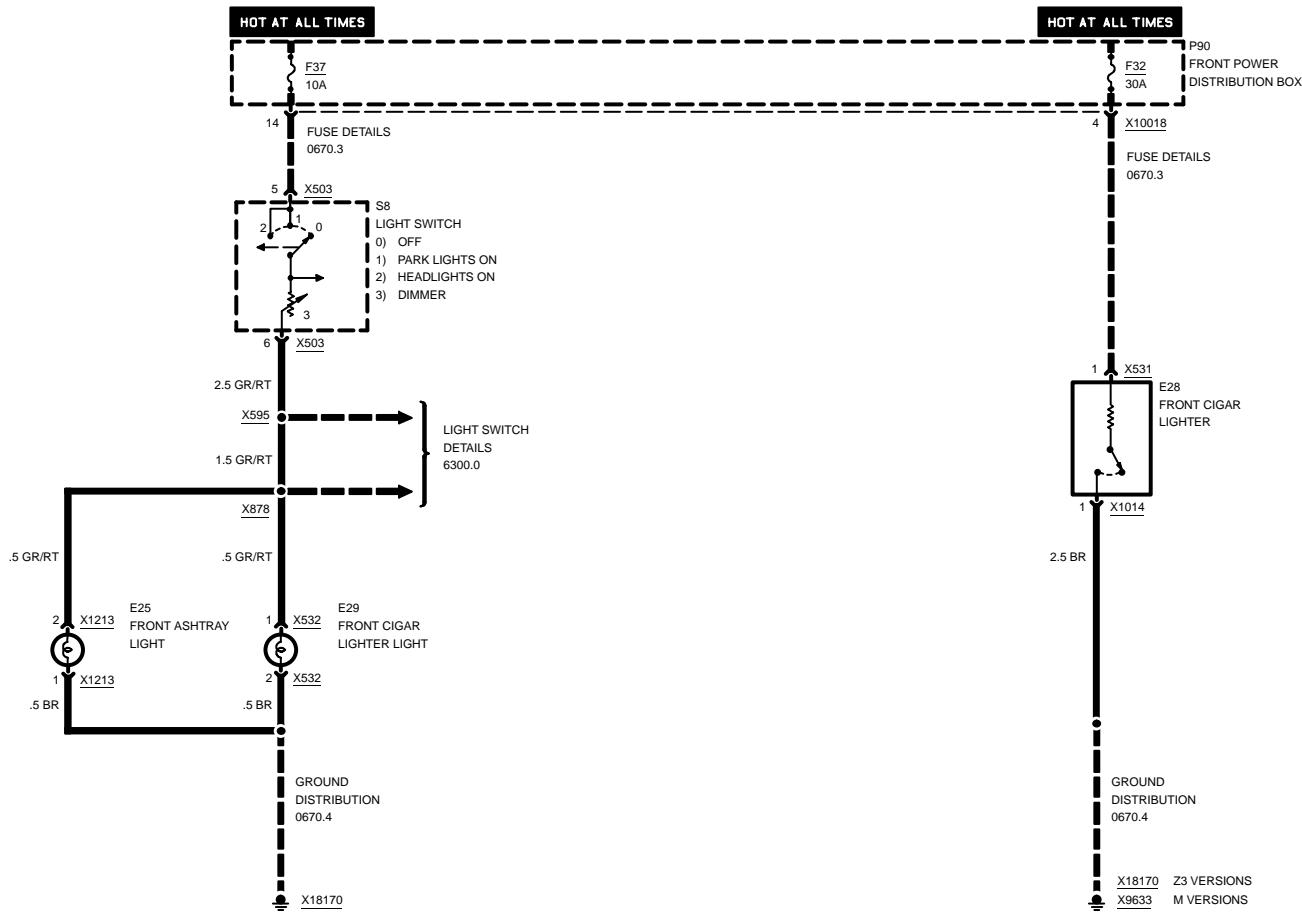
M VERSIONS



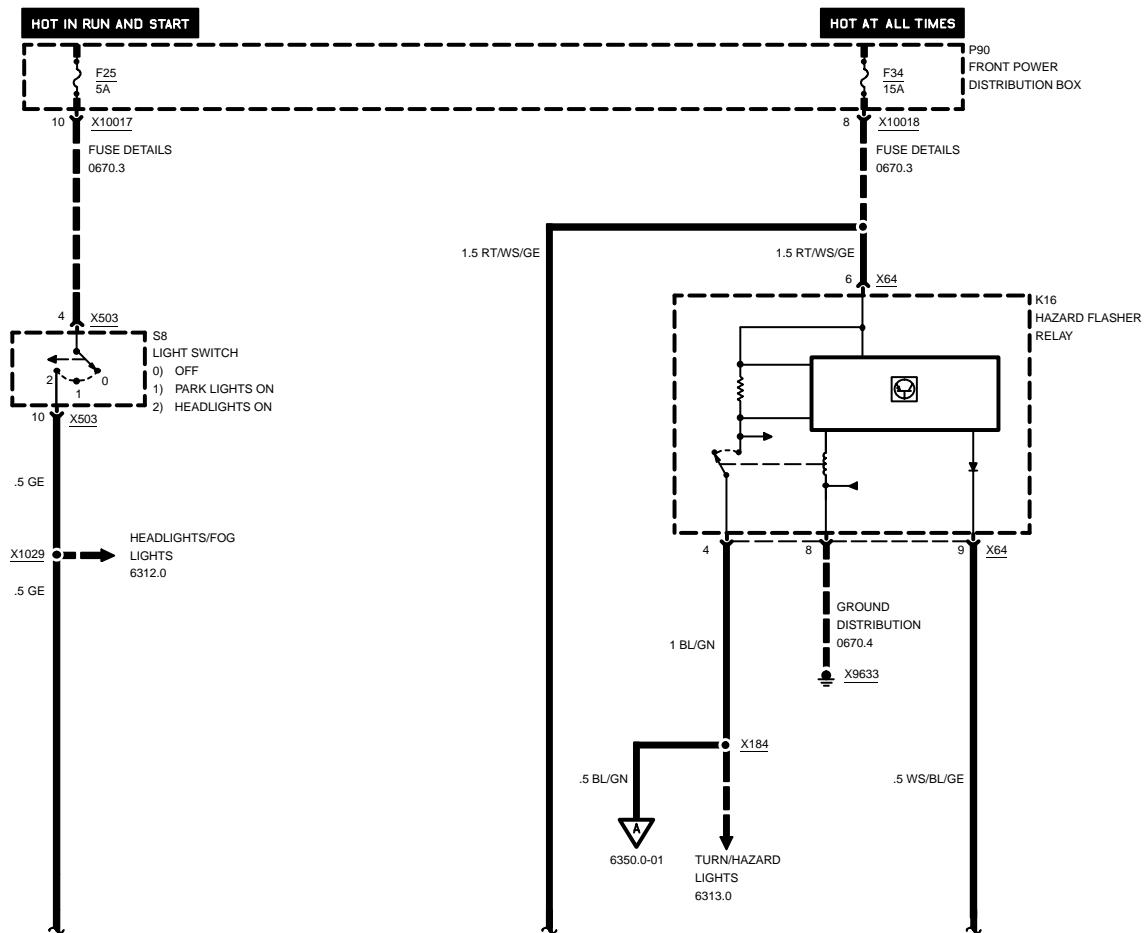
6330.0 INTERIOR LIGHTS

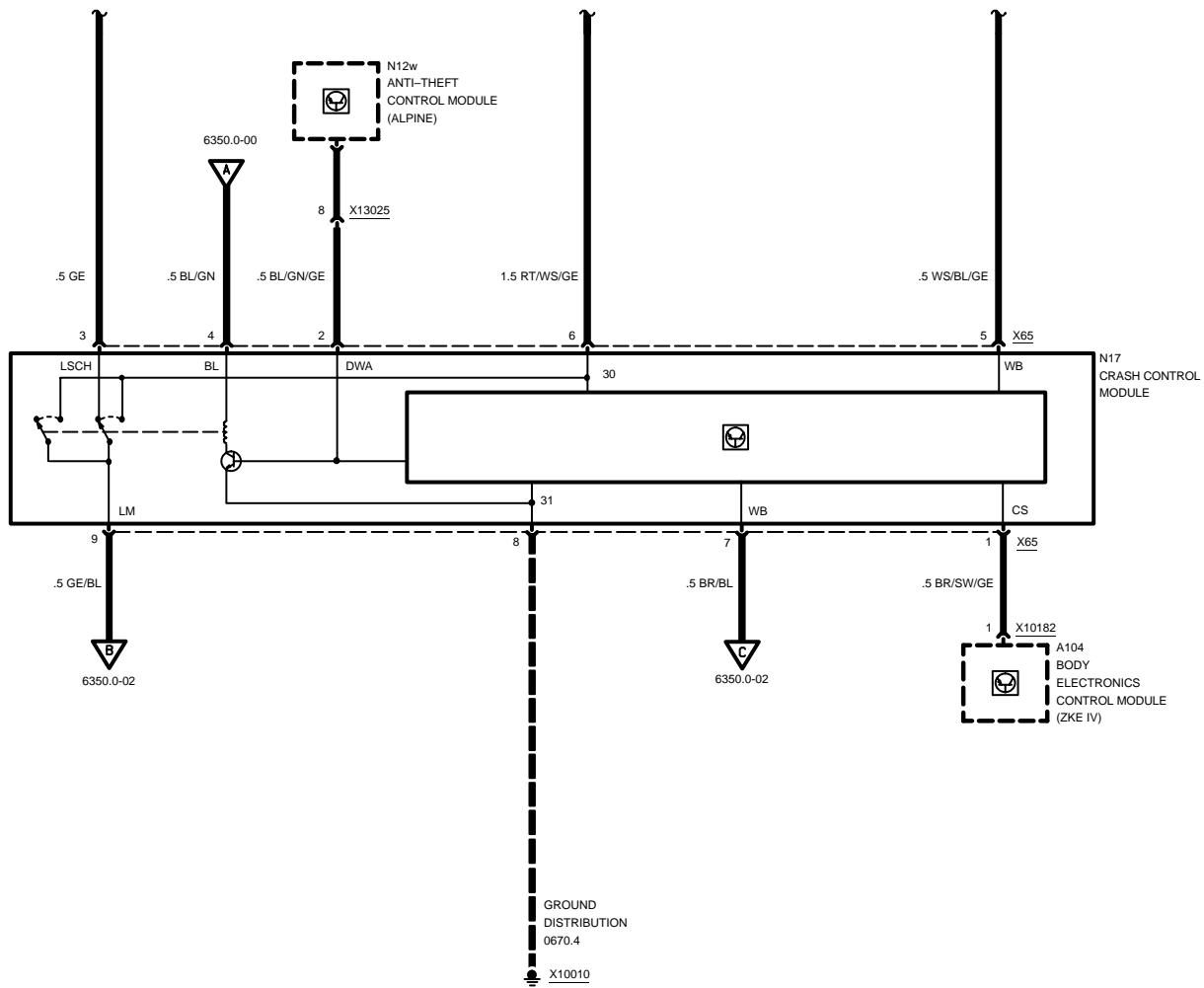


6332.0 INTERIOR ACCESSORIES



6350.0 CRASH CONTROL MODULE



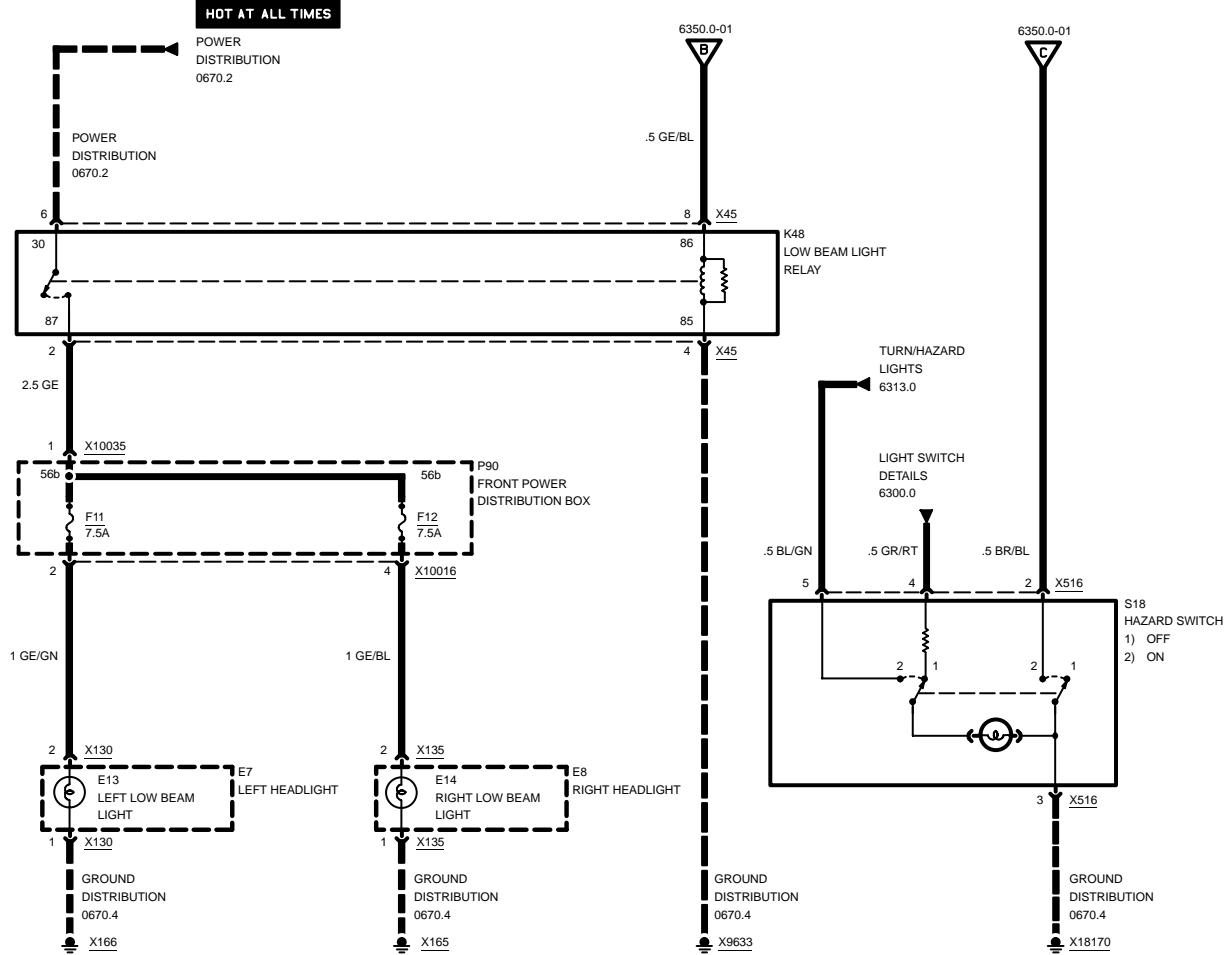


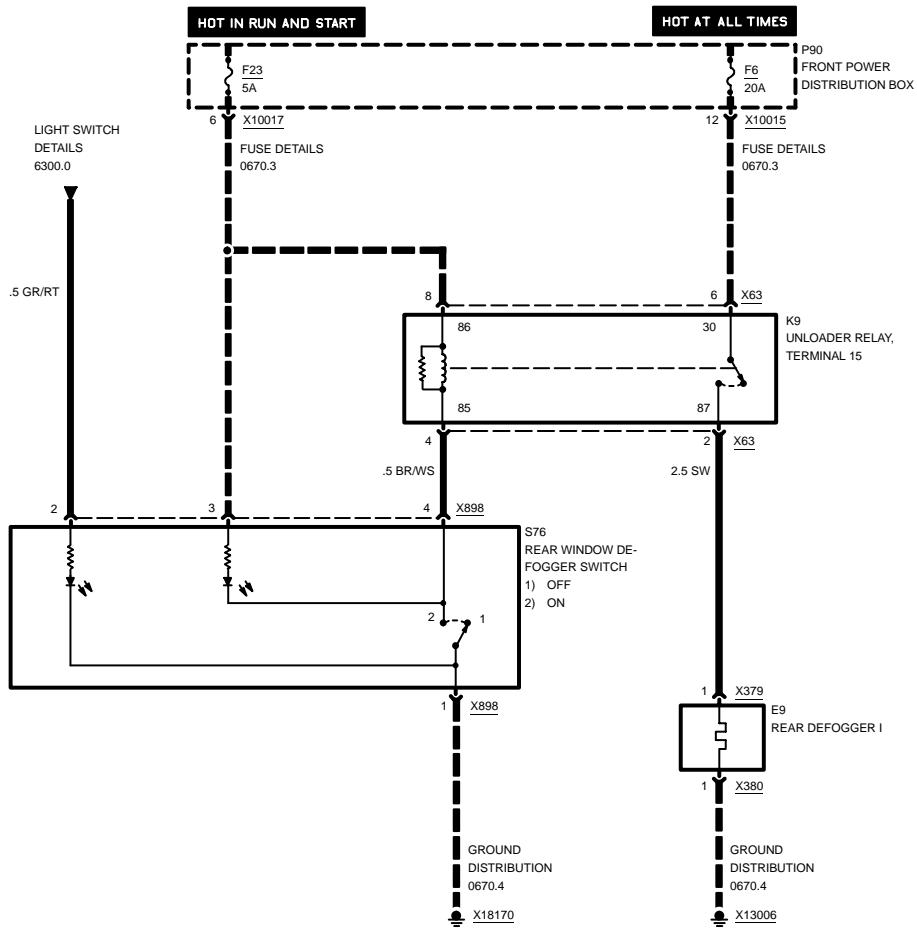
CRASH CONTROL MODULE

03/00

6350.0-02

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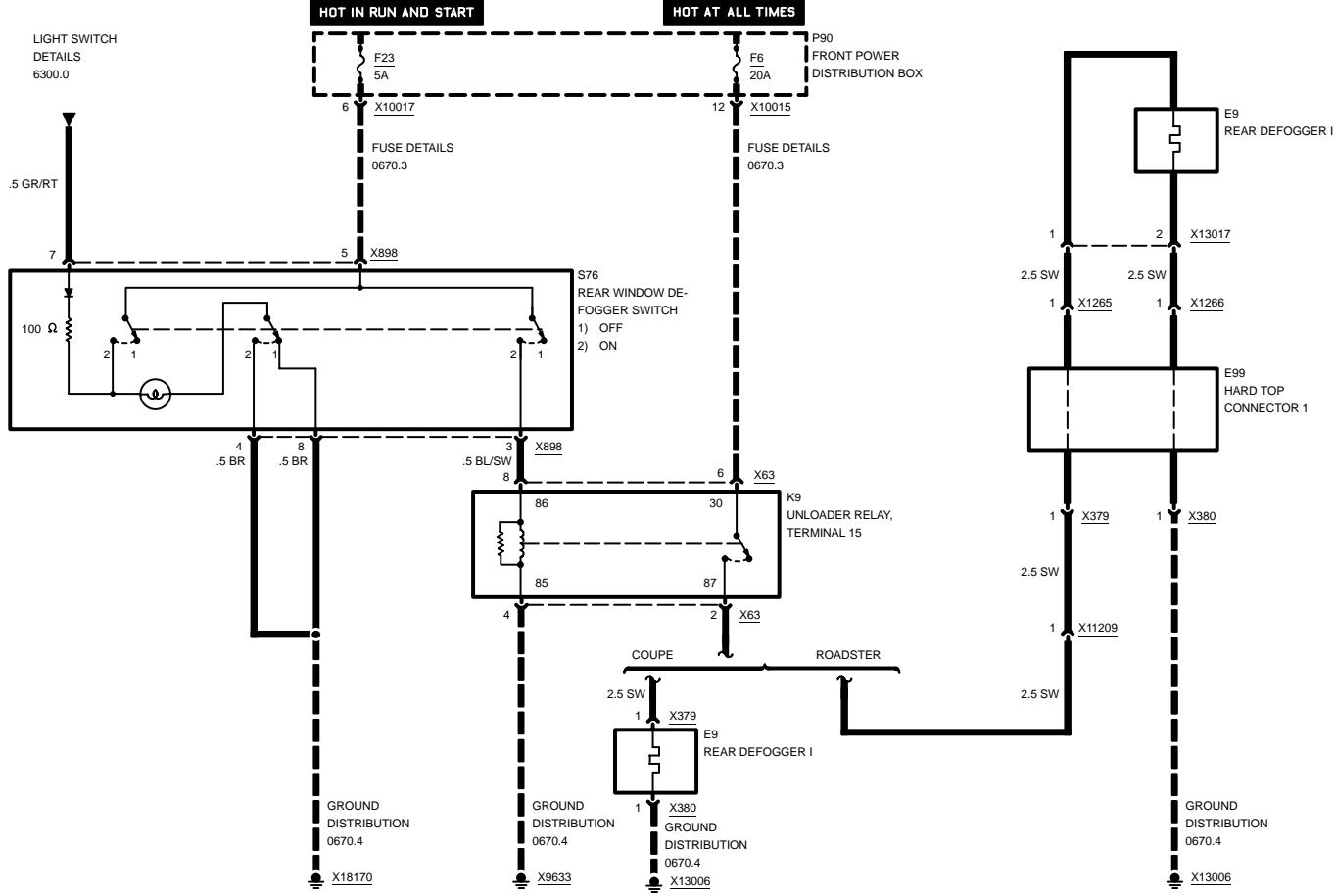
REAR WINDOW DEFOGGER

ROADSTER AND Z3 COUPE

03/00

6424.0-01

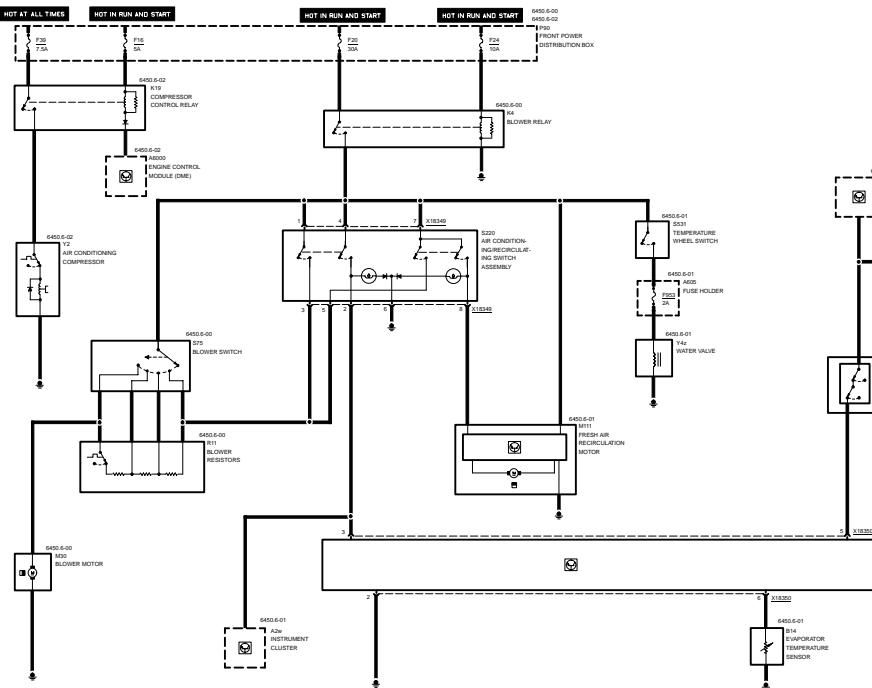
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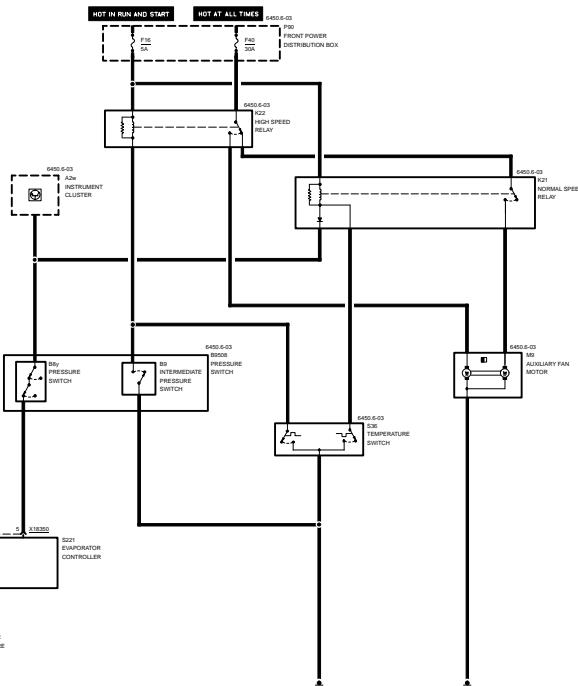
6450.6 INTEGRATED HEATING- AND CLIMATE CONTROL

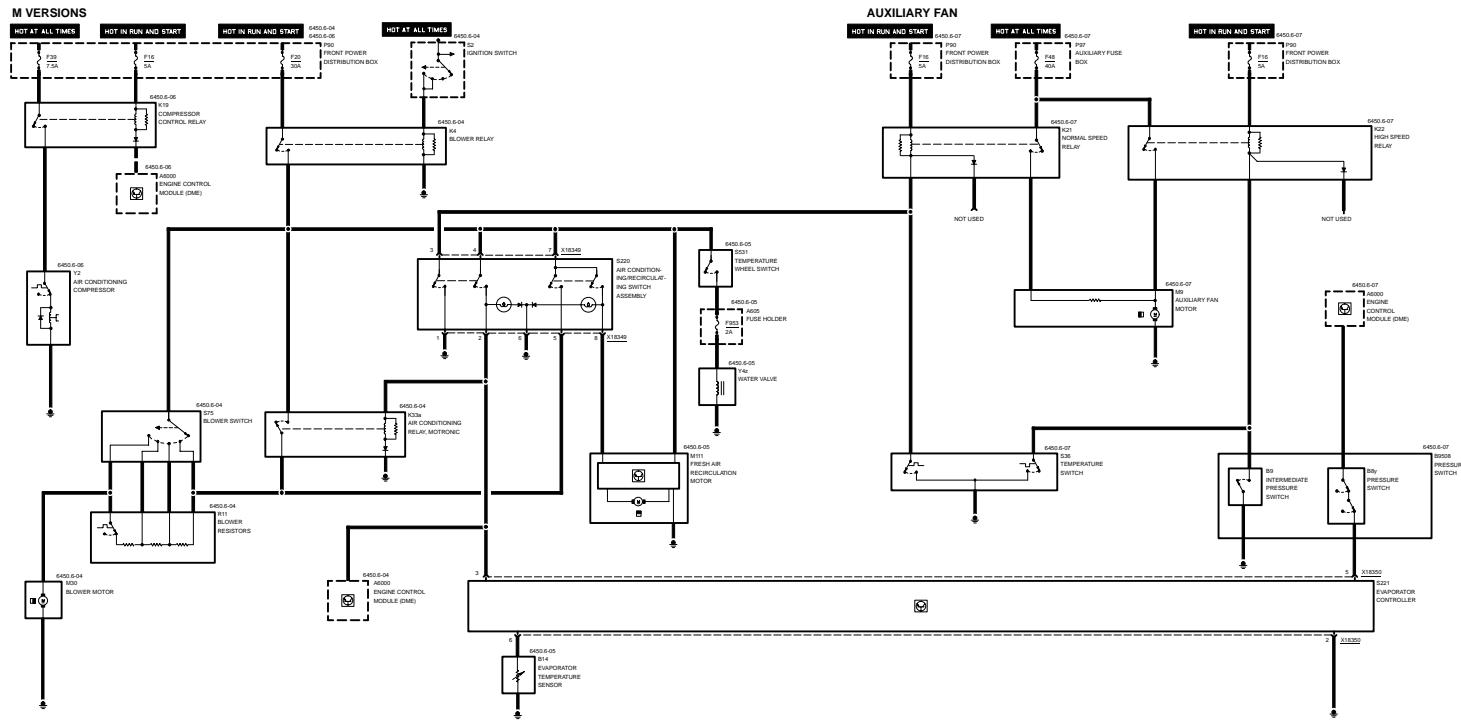
03/00 ————— 6450.6a ————— .0 1999

Z3 VERSIONS



AUXILIARY FAN





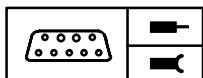


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6450.6a-a

1999

Z3



Pin Assignments (Z3 Versions)

X18349 8 Pins, black

X18350 6 Pins, black

X18349

Pin	Type	Description/Function	Connection
1	E	Terminal 15	Heating blower relay
2	A	Activate compressor clutch	Instrument cluster
3	A	Blower level 1 (air conditioning)	Blower resistor
4	E	Terminal 15	Heating blower relay
5	A	Blower level 1 (air-recirculation)	Blower resistor
6	M	Ground for function lights	Ground point
7	E	Terminal 15	Heating blower relay
8	A	Activate fresh air-recirculation	Fresh air-recirculation motor

X18350

Pin	Type	Description/Function	Connection
1		Not used	
2	M	Ground	Ground point
3	E	Climate-ON-signal	Air conditioning/recirculated air operating unit
4		Not used	
5	A	Activate A/C compressor	Pressure switch
6	E	Evaporator temperature	Evaporator temperature sensor

E = Input, A = Output, M = Ground

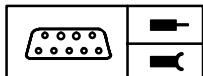


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6450.6b-a

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Z3



Pin Assignments (M Versions)

X18349 8 Pins, black

X18350 6 Pins, black

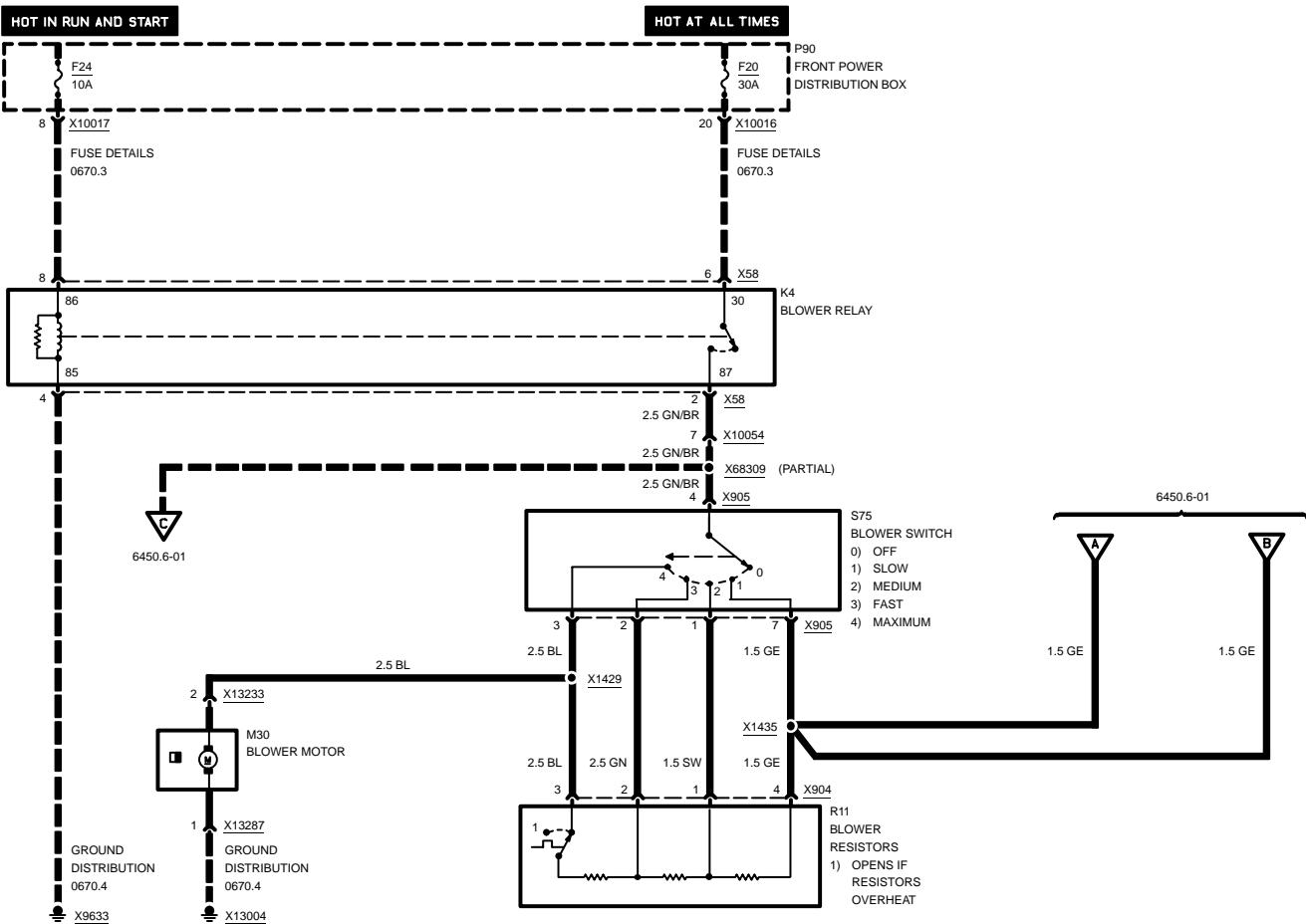
X18349

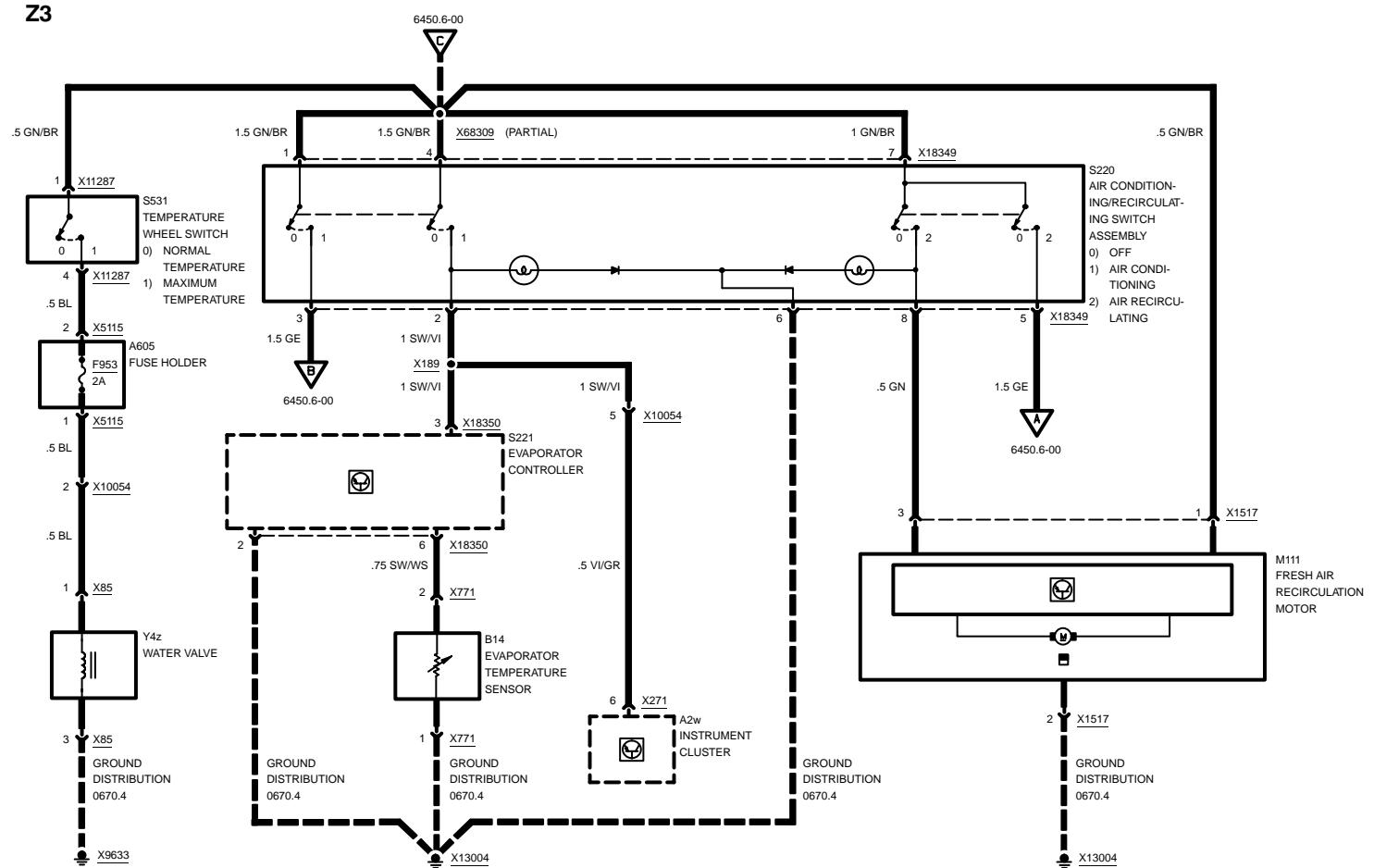
Pin	Type	Description/Function	Connection
1	M	Ground	Ground point
2	A	A/C-ON-signal	Evaporator controller
3	A	A/C-ON-signal	Normal speed relay
4	E	Terminal 15	Heating blower relay
5	A	Blower level 1 (air-recirculation)	Blower resistor
6	M	Ground for function lights	Ground point
7	E	Terminal 15	Heating blower relay
8	A	Activate fresh air-recirculation	Fresh air-recirculation motor

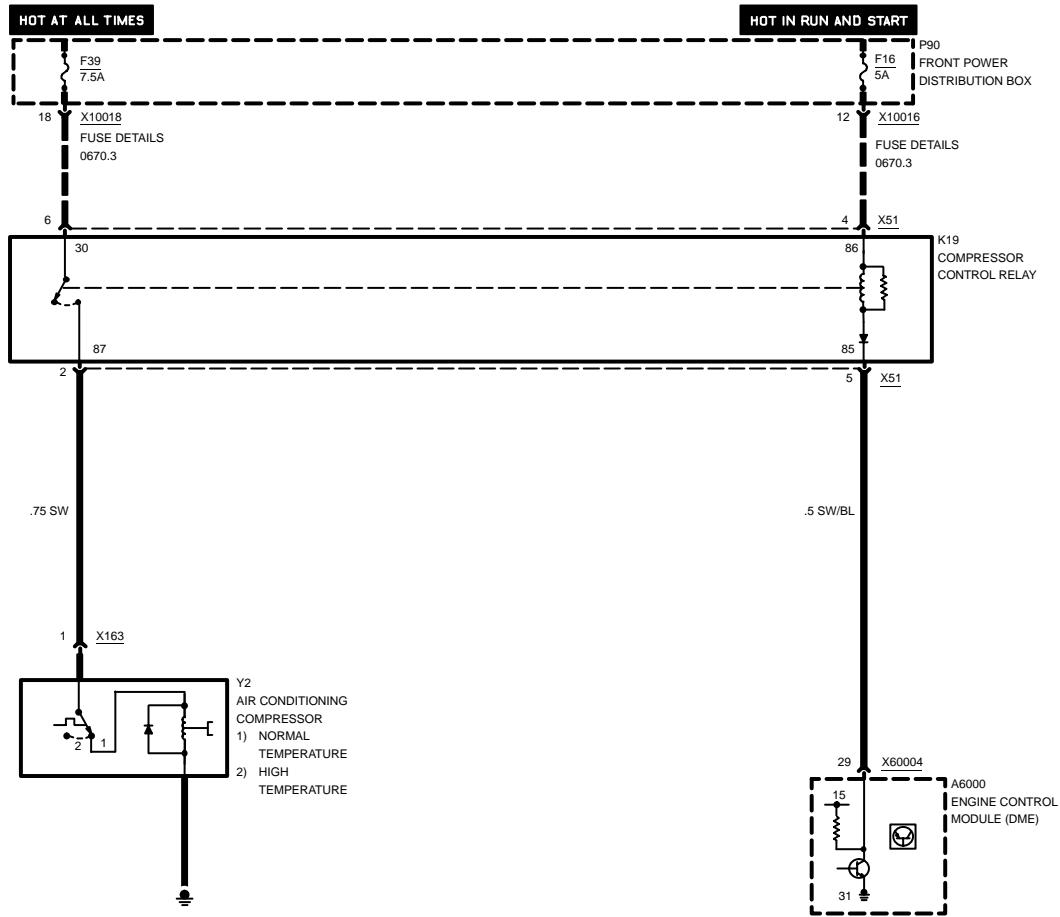
X18350

Pin	Type	Description/Function	Connection
1		Not used	
2	M	Ground	Ground point
3	E	Climate-ON-signal	Air conditioning/recirculated air operating unit
4		Not used	
5	A	Activate A/C compressor	Pressure switch
6	E	Evaporator temperature	Evaporator temperature sensor

E = Input, A = Output, M = Ground







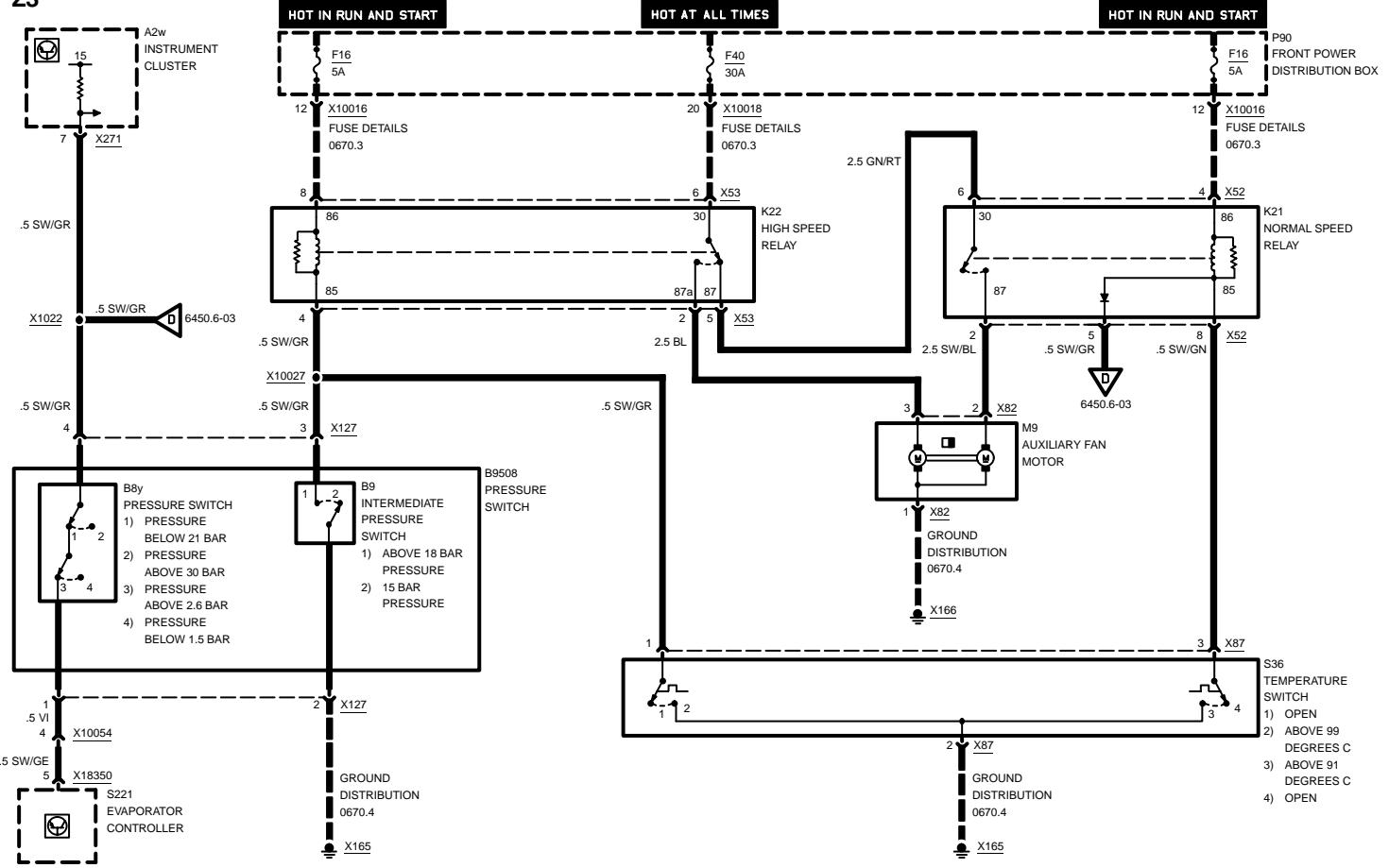
BMW 3 INTEGRATED HEATING- AND CLIMATE CONTROL

Z3 VERSIONS

BMW
3

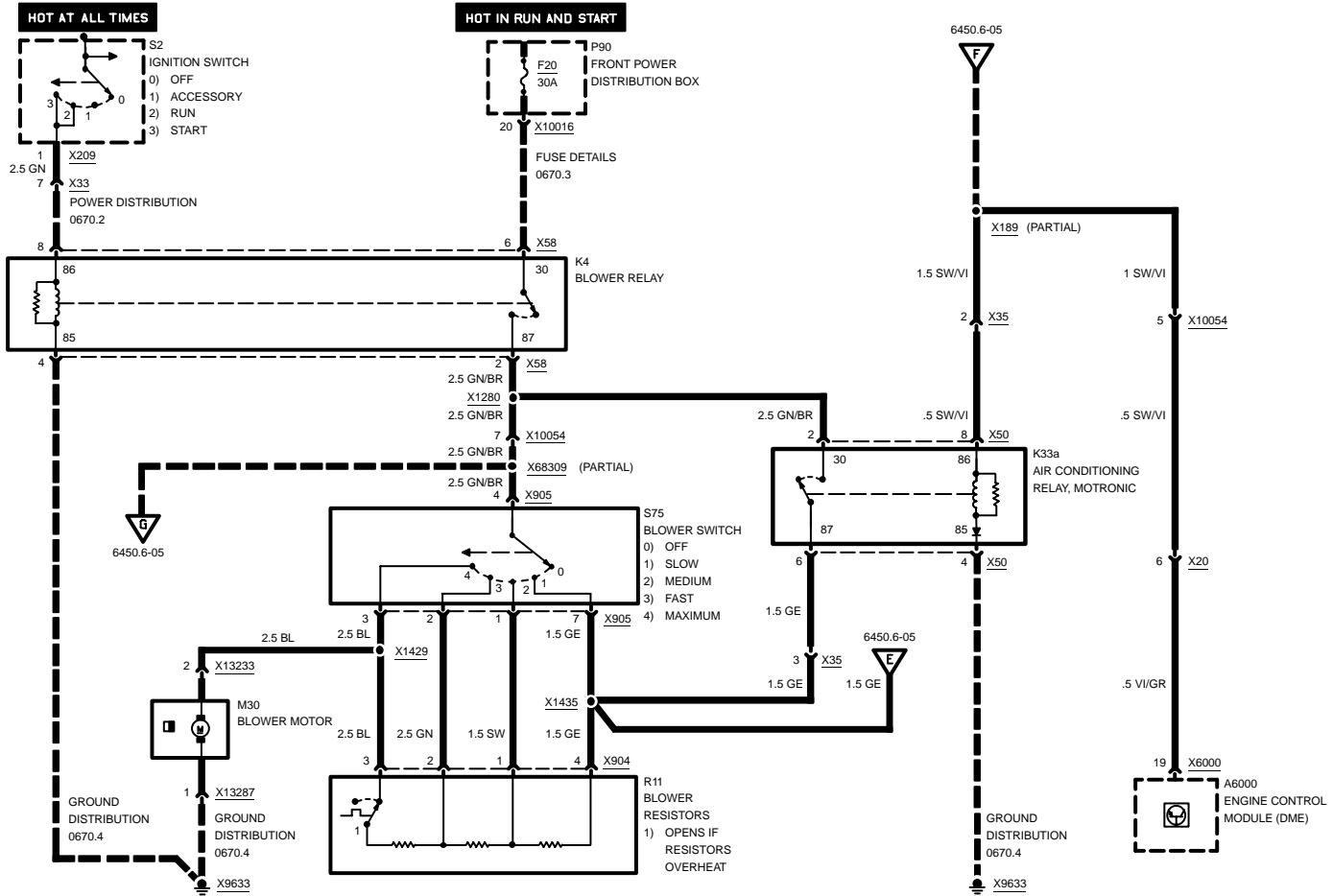
AUXILIARY FAN

Z3



INTEGRATED HEATING- AND CLIMATE CONTROL
POWER, AIR FLOW CONTROL

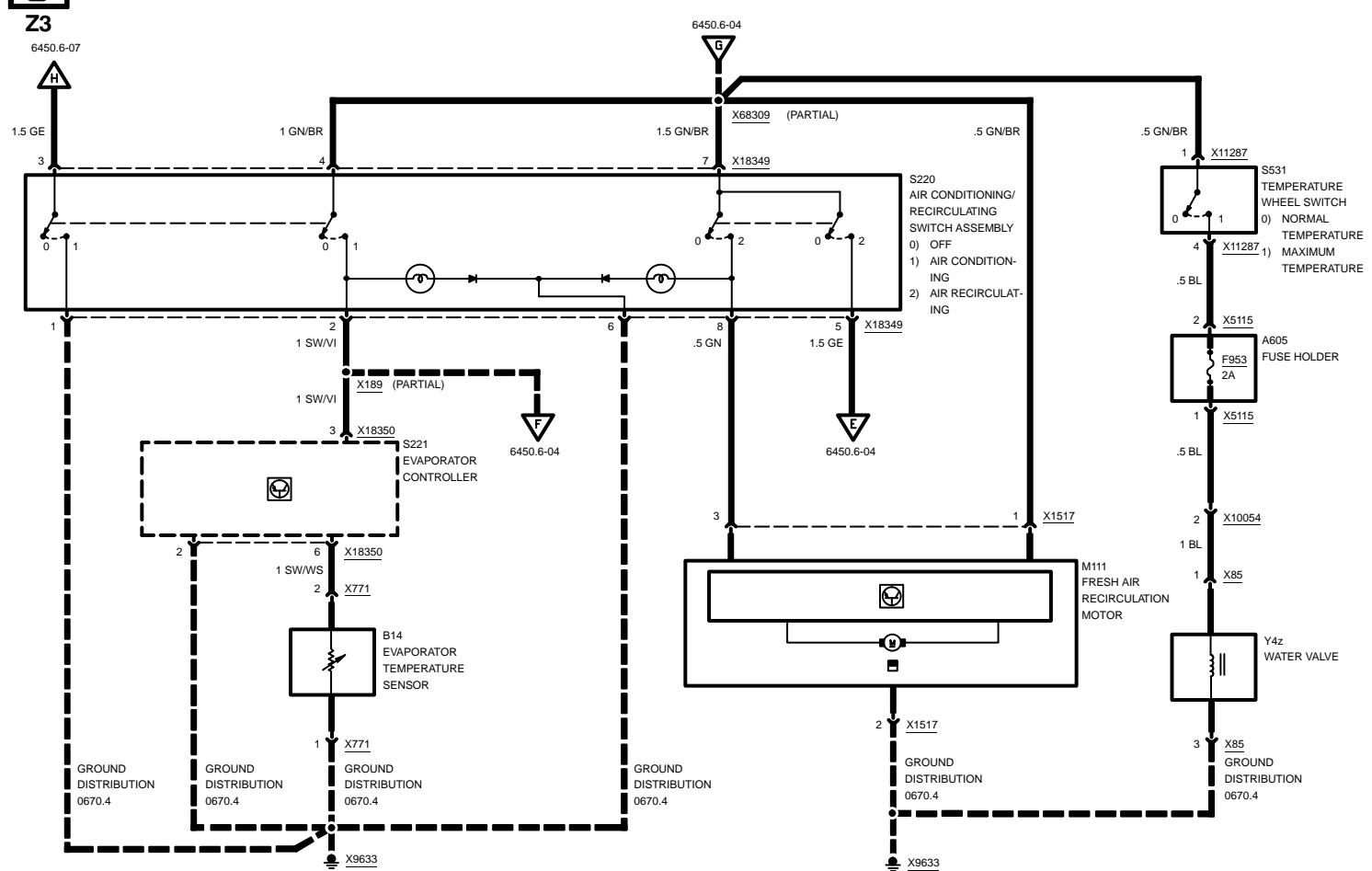
M VERSIONS



BMW 3 INTEGRATED HEATING- AND CLIMATE CONTROL M VERSIONS

Z3

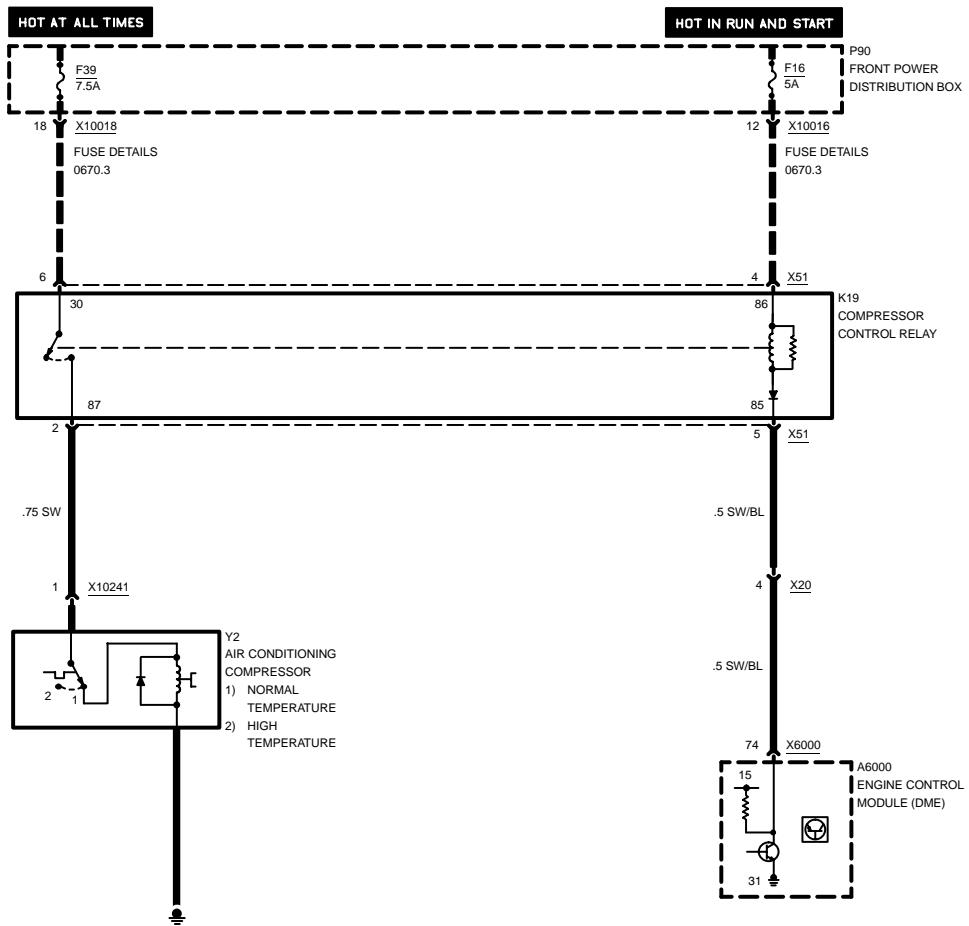
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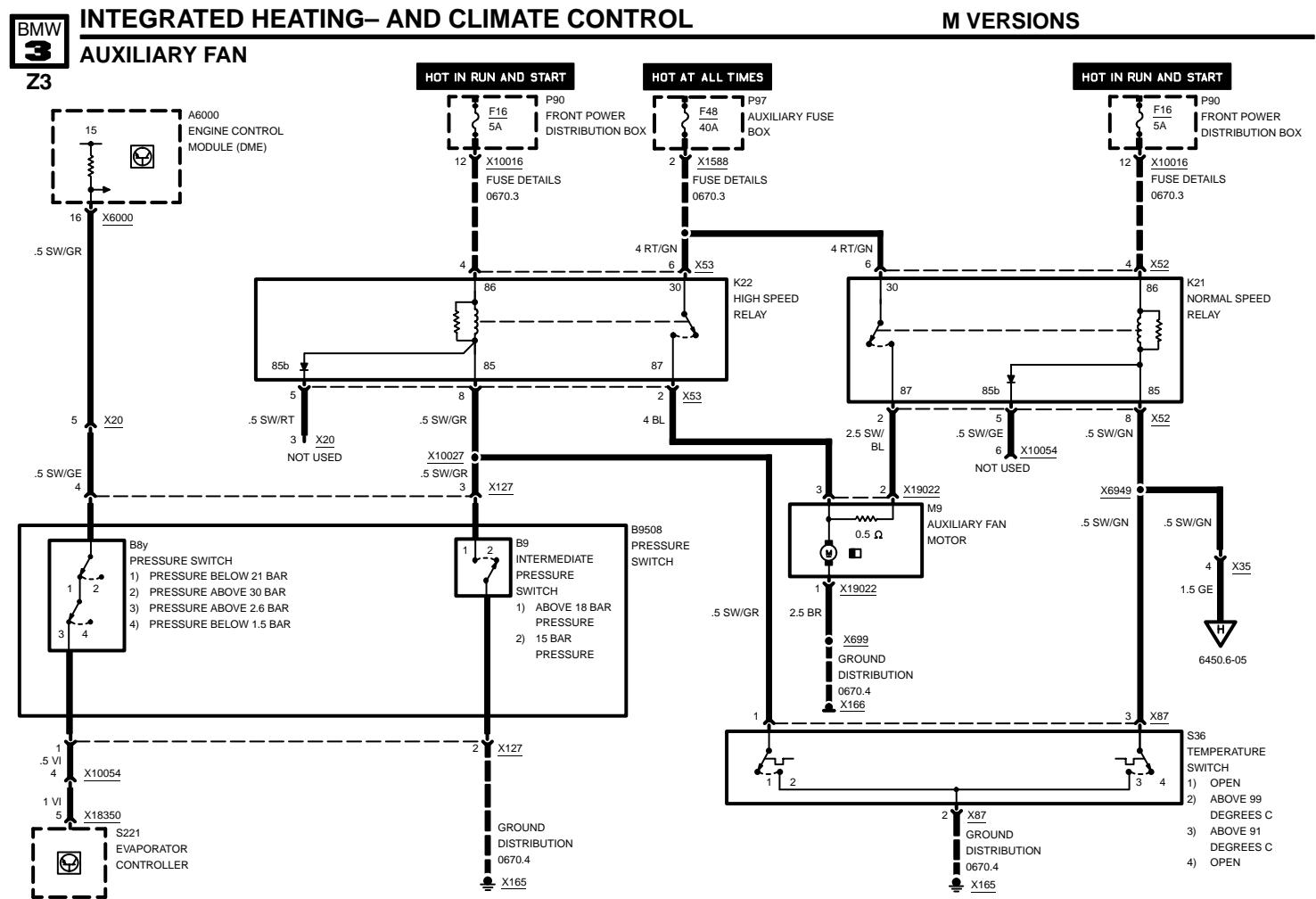


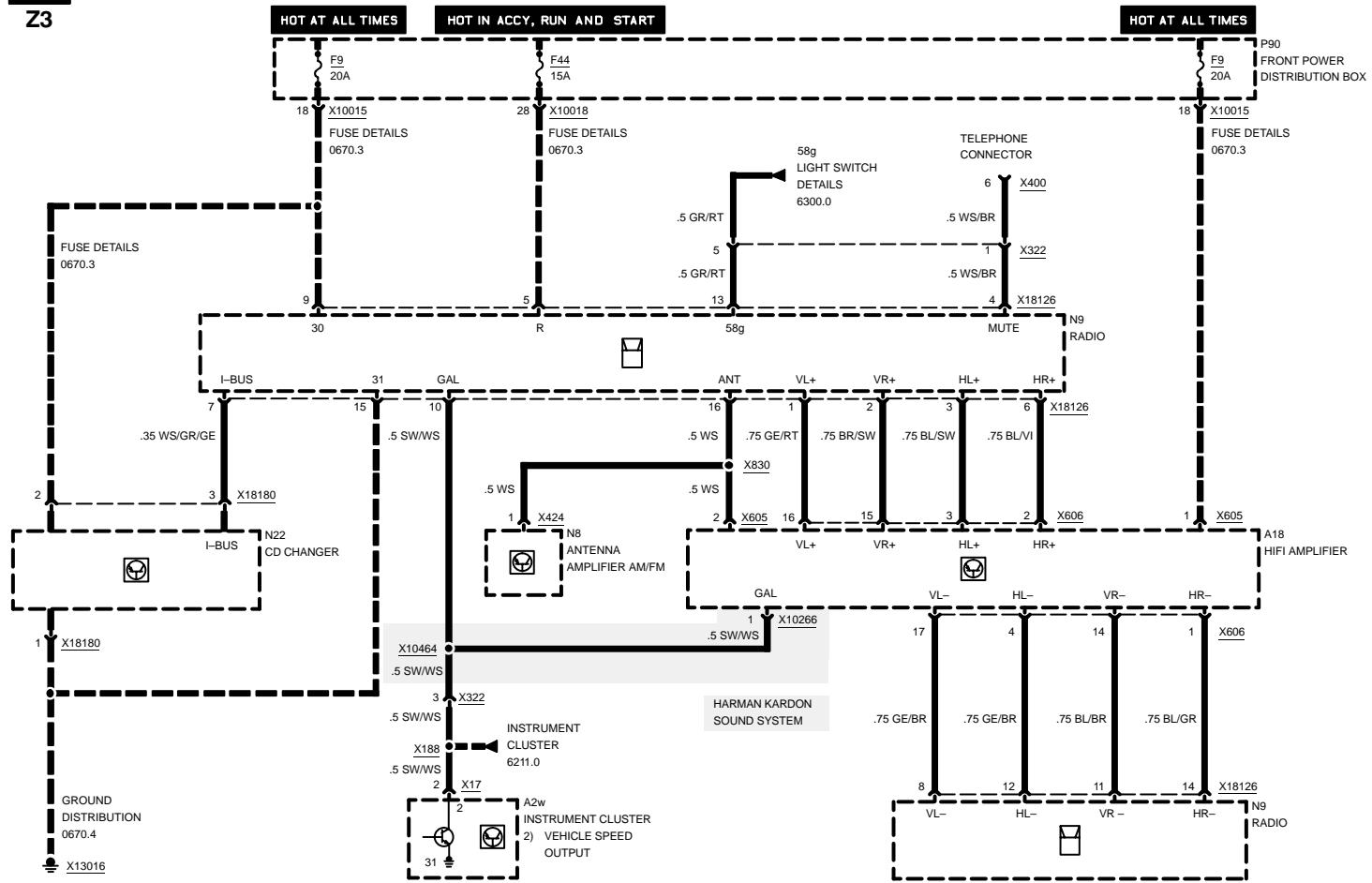
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6450.6-05

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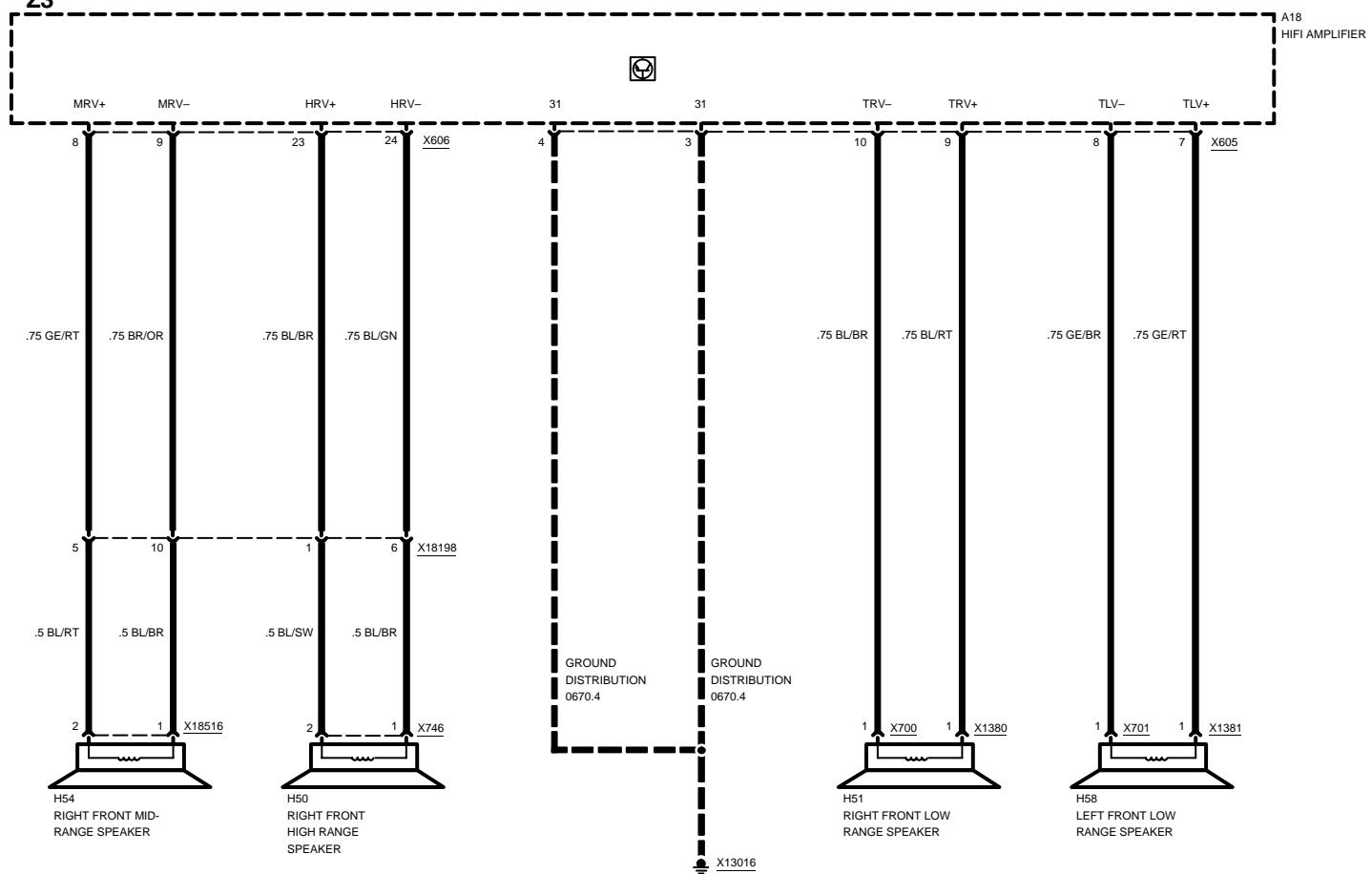






BMW 3 RADIO/HIFI

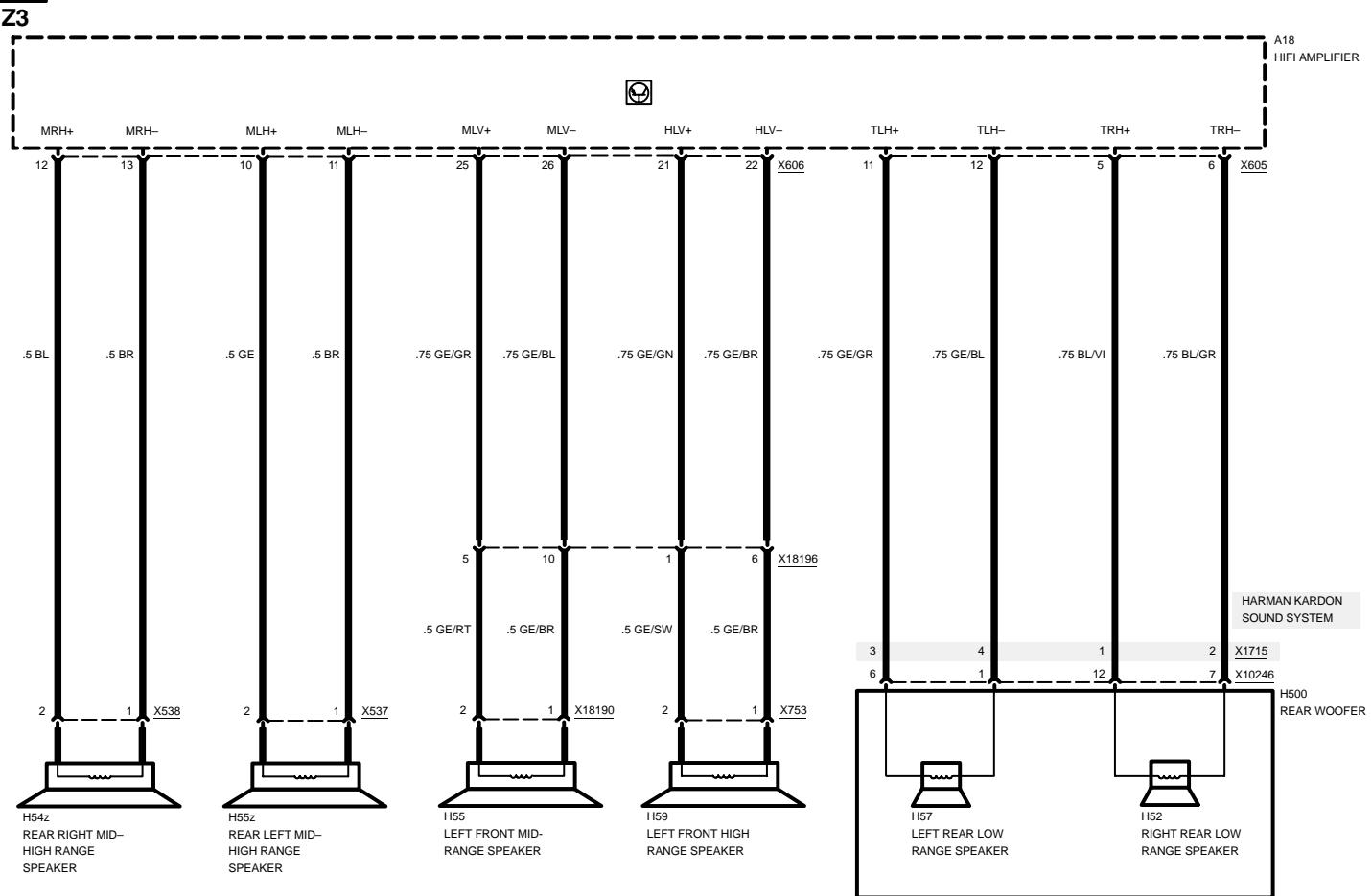
Z3



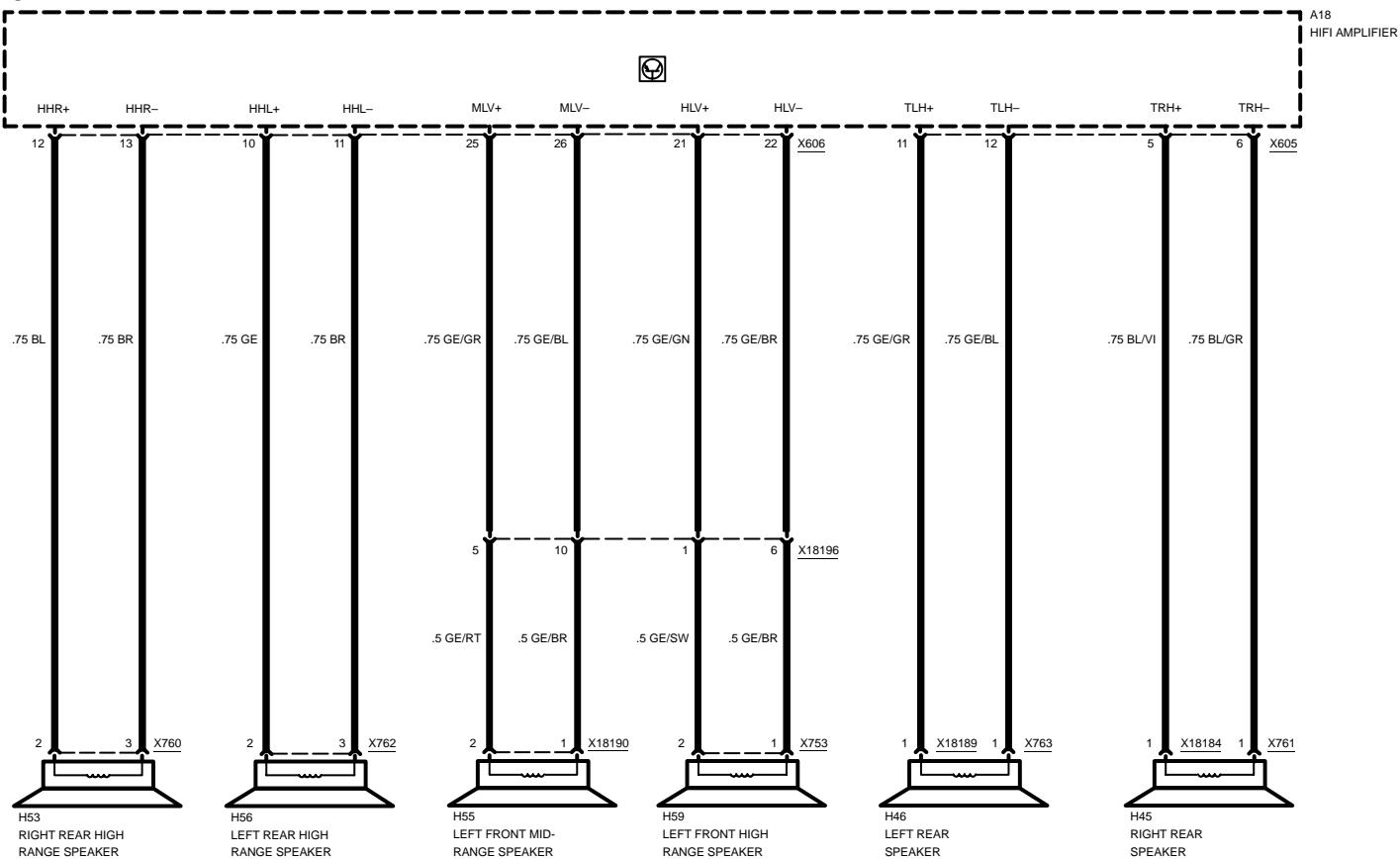
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6510.1-01

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Z3



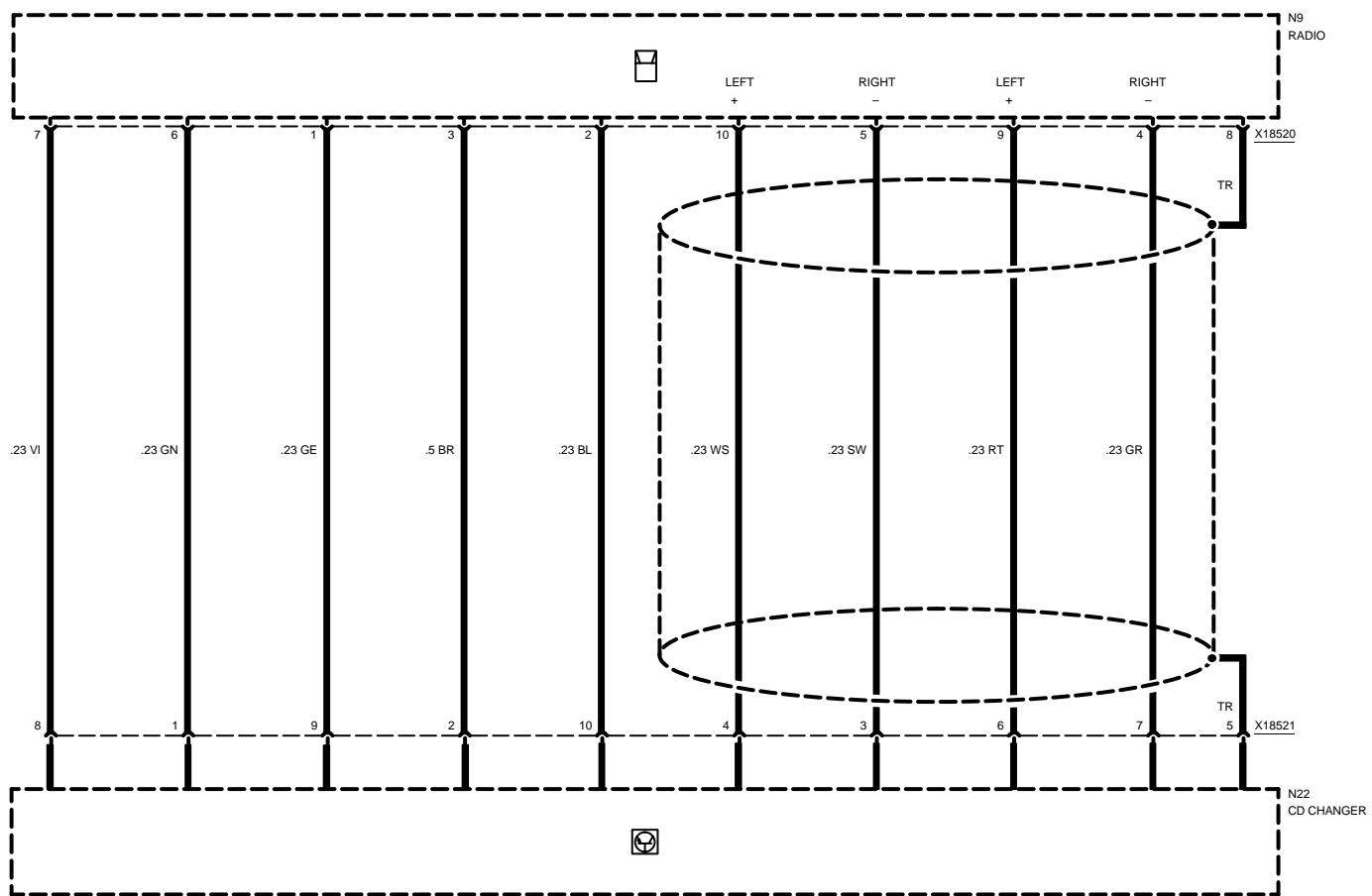
BMW
3
Z3

RADIO/HIFI

03/00

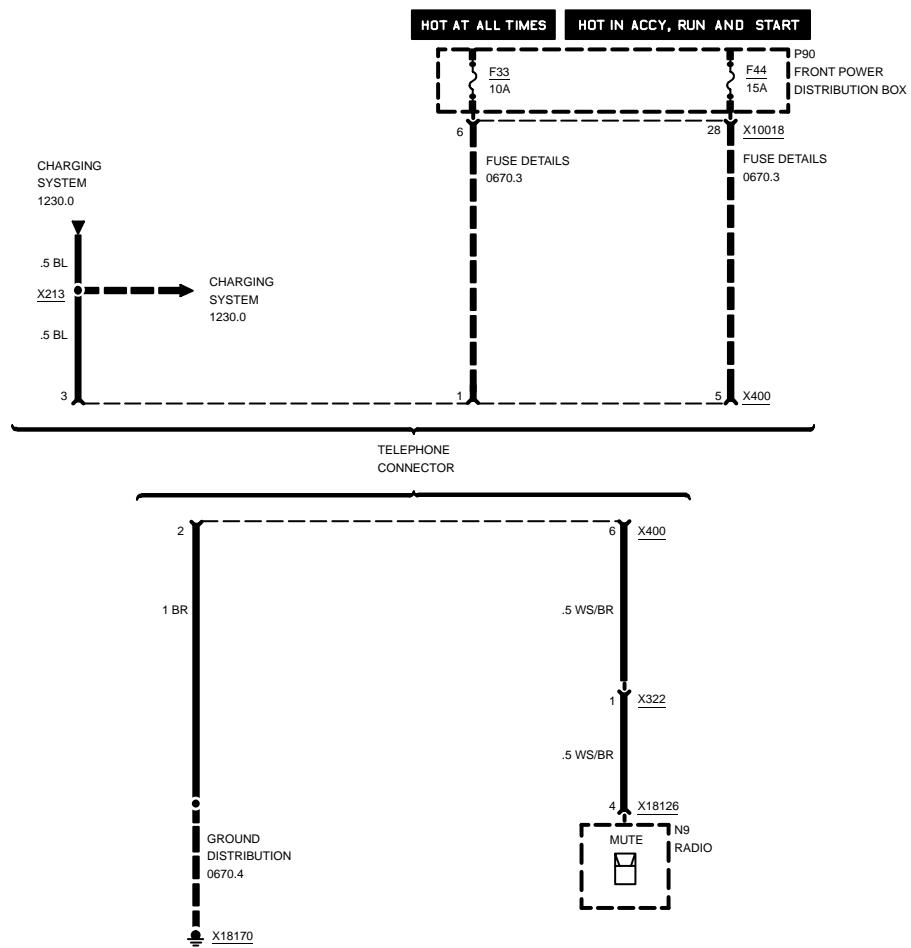
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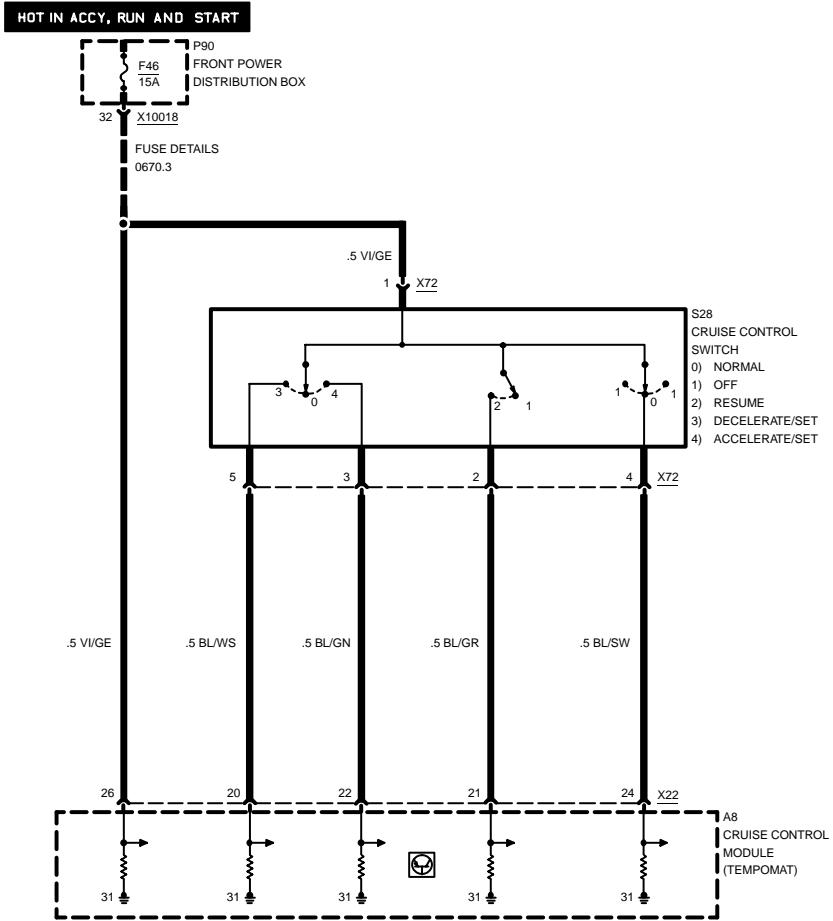
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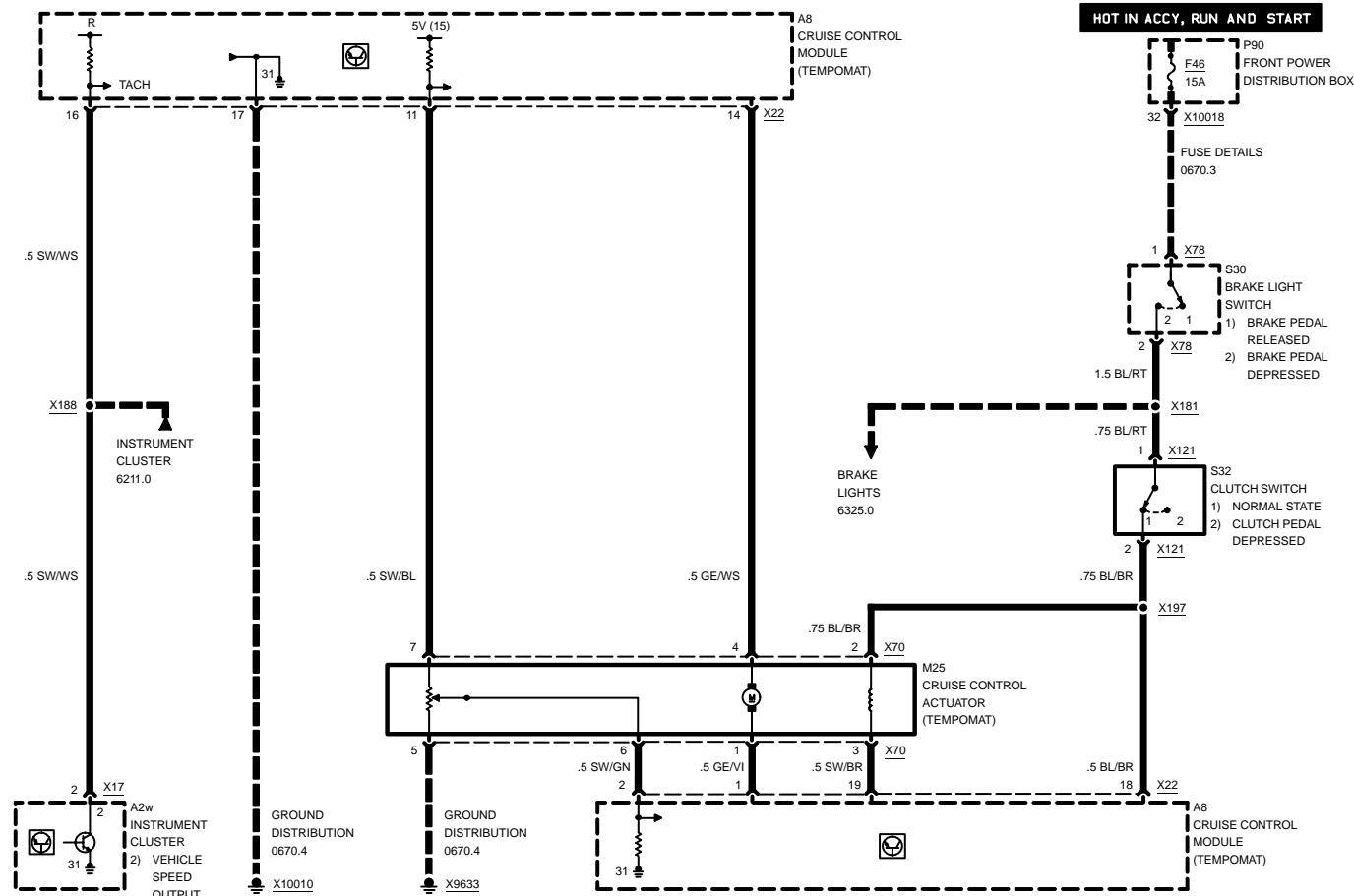
6561.0 CELLULAR TELEPHONE (PROVISIONS)

PROVISIONS





Z3



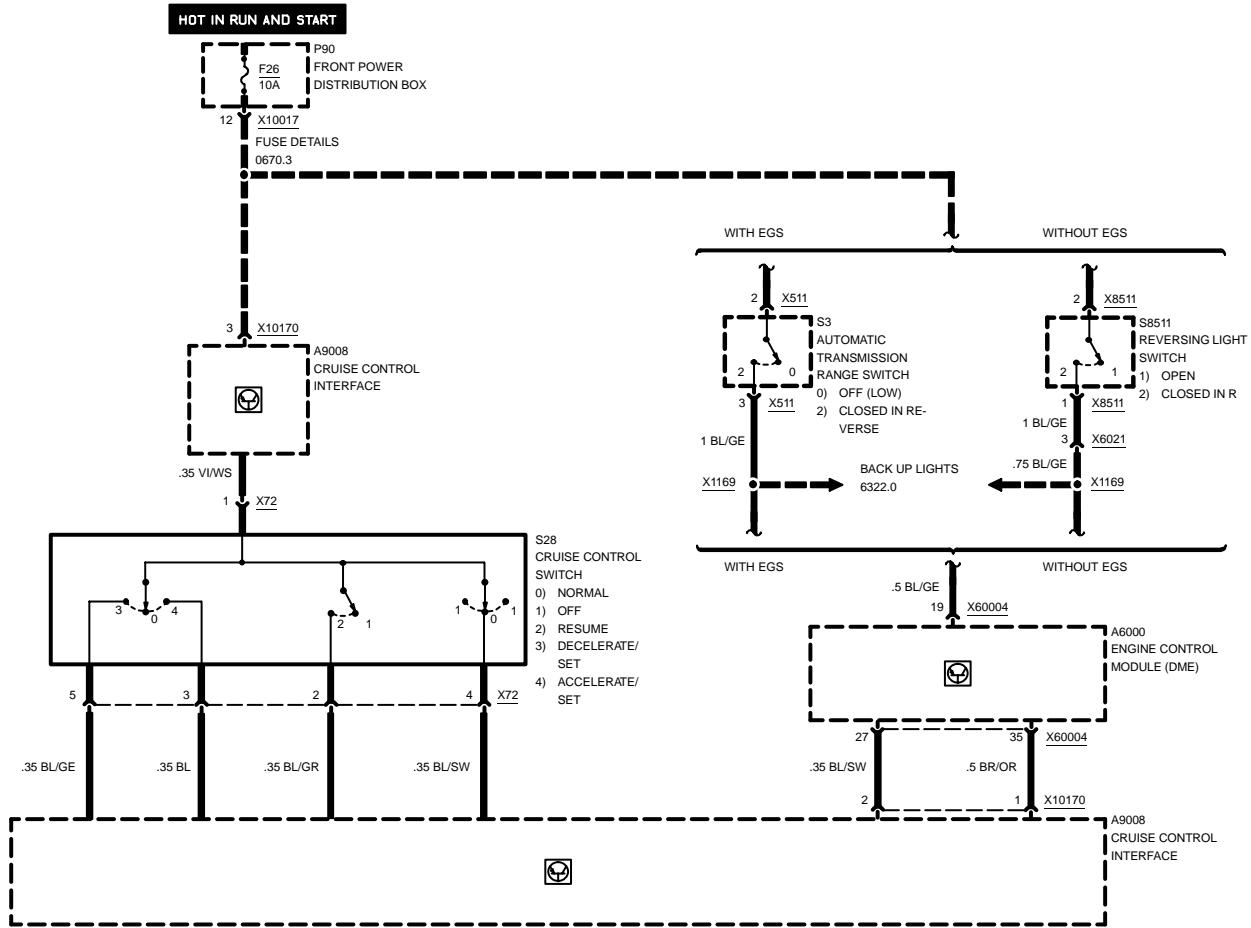
CRUISE CONTROL (TEMPOMAT)

Z3 VERSIONS

03/00

6571.0-02

1999

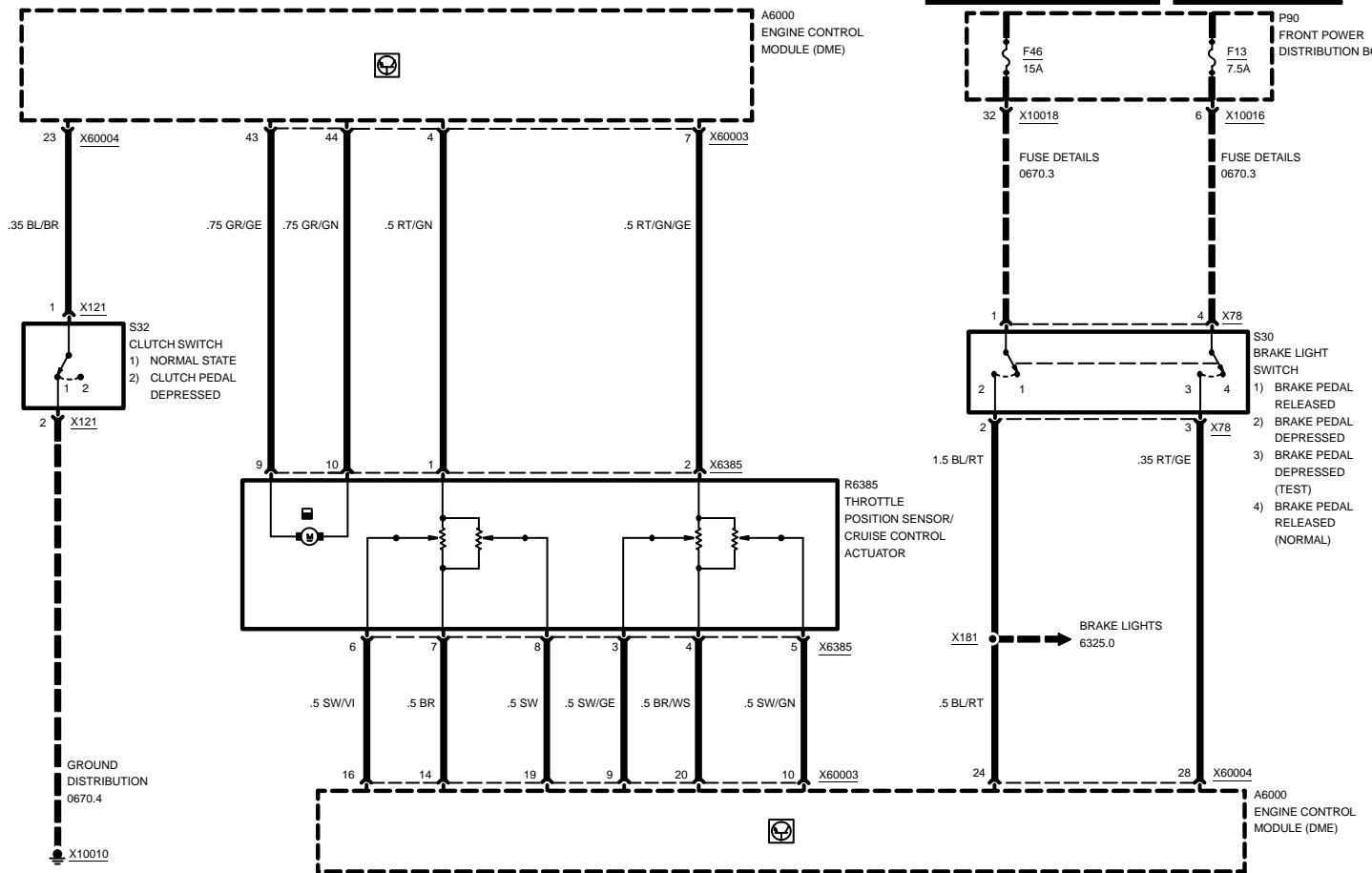




CRUISE CONTROL (TEMPOMAT)

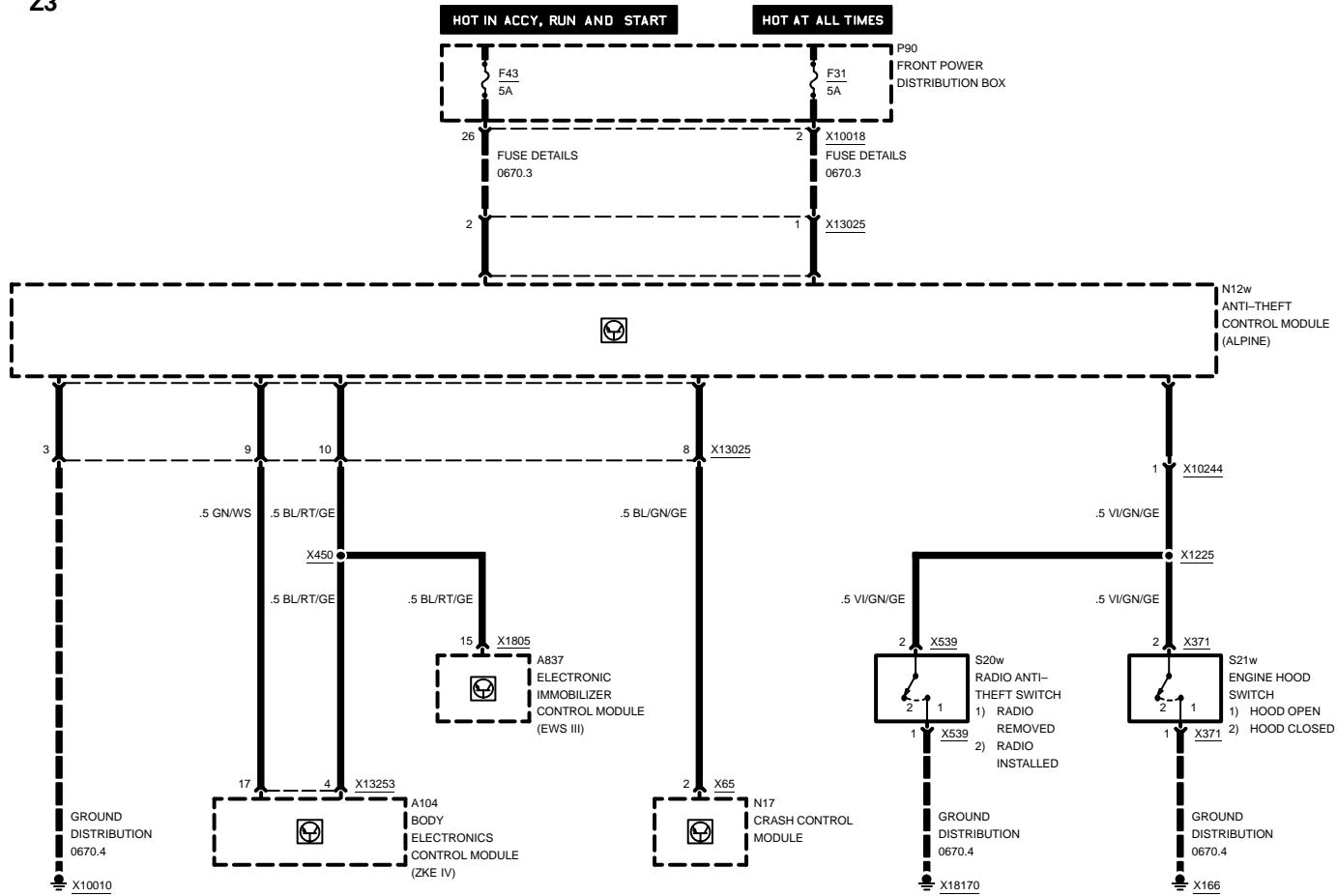
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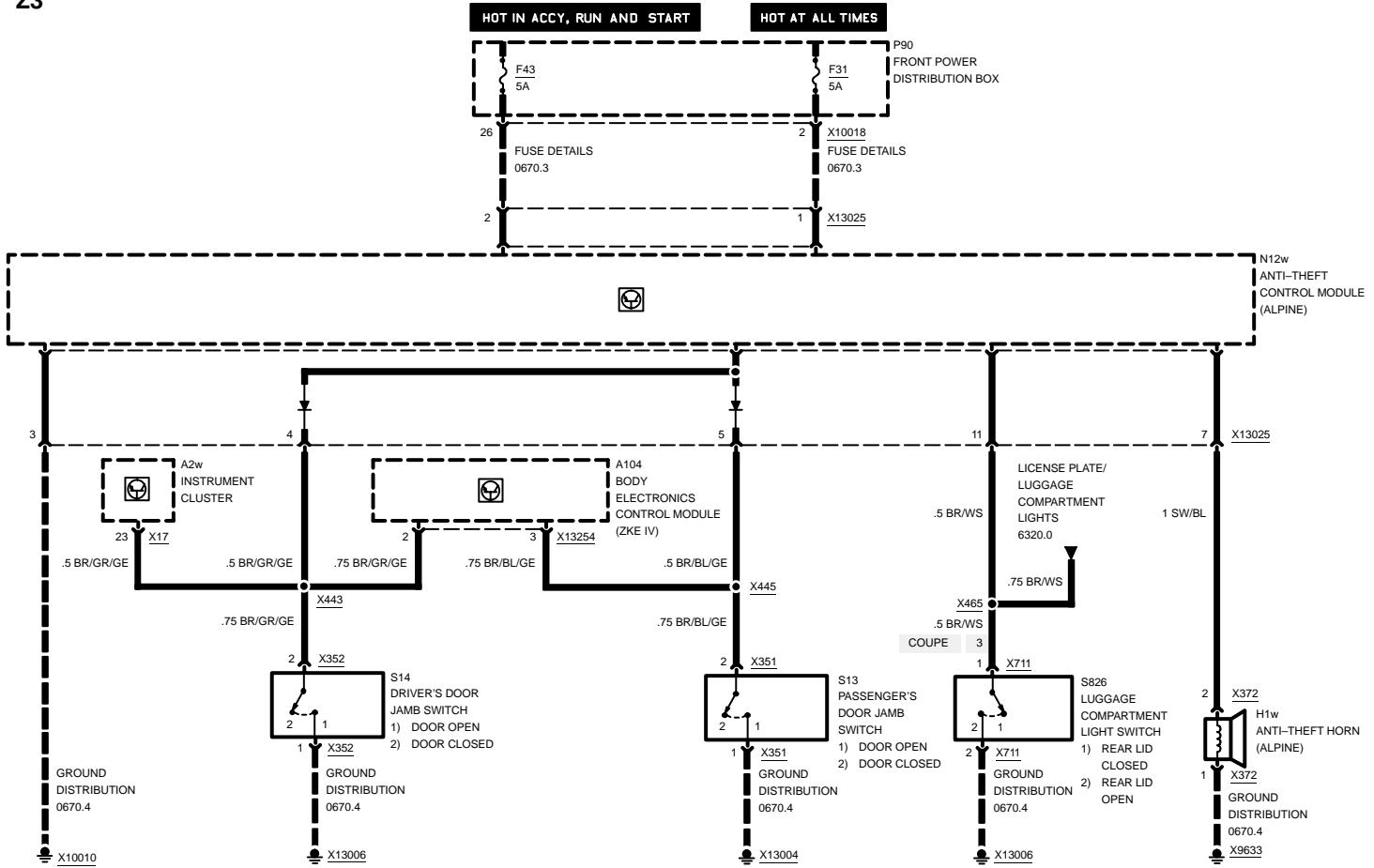
Z3

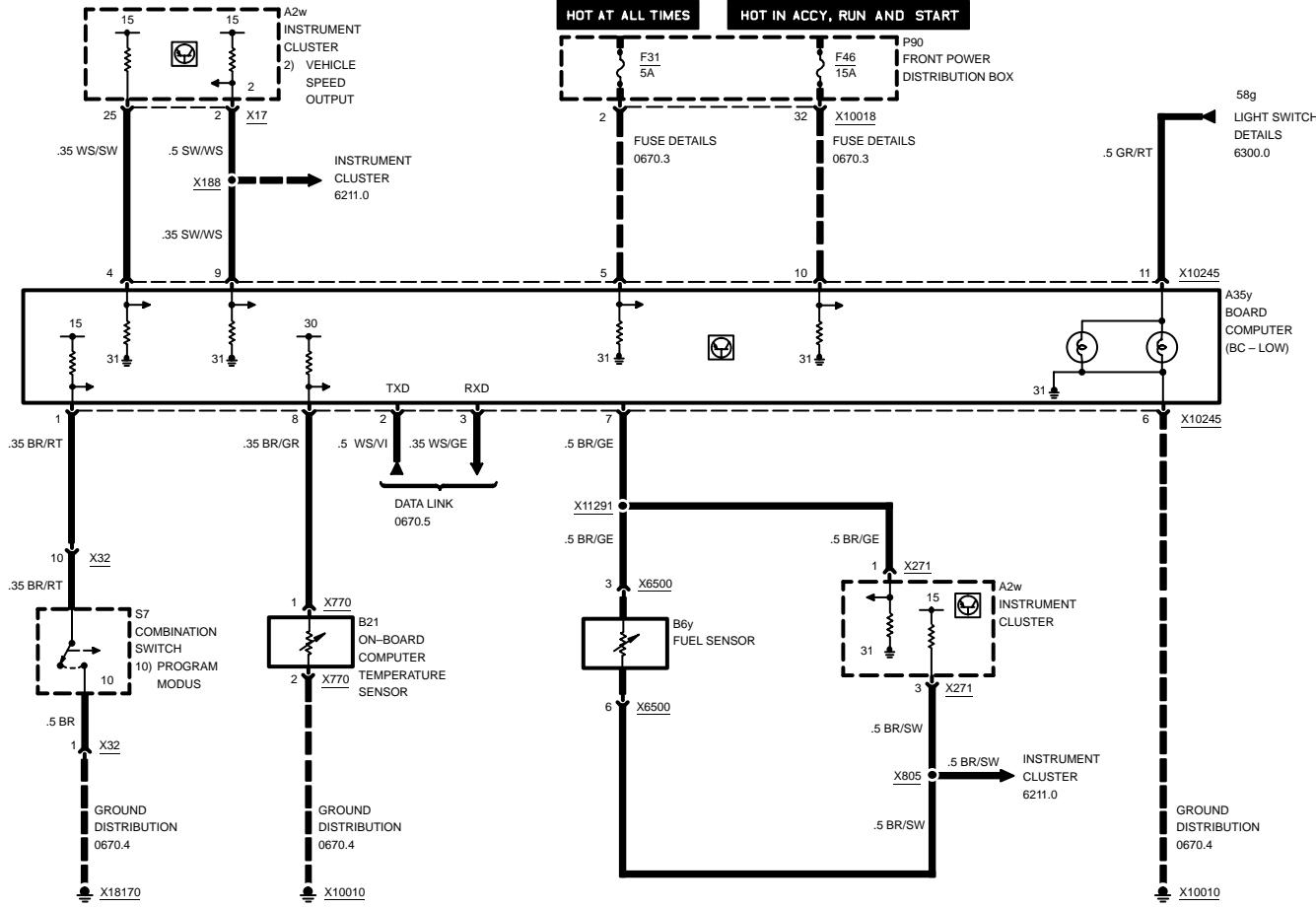


6571.0-03

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6581.3 BOARD COMPUTER (BC - LOW)



7000.0 COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A2w ..	INSTRUMENT CLUSTER	LH side of dash		20-2
A8	CRUISE CONTROL MODULE (TEMPOMAT)	behind glove box		00-2
A12 ..	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	below center console		22-2
A18 ..	HIFI AMPLIFIER	in RH side of luggage compartment (ROADSTER)		27-3
A18 ..	HIFI AMPLIFIER	in RH side of luggage compartment (COUPE)		46-1
A35y ..	BOARD COMPUTER (BC – LOW)	center console		00-3
A36 ..	REAR WIPER/WASHER INTERVAL CONTROL MODULE	in lift gate		37-2
A51 ..	WIPER/WASHER MODULE	behind glove box		38-2
A52 ..	SLIP CONTROL MODULE (ABS/ASC)	front LH side of engine compartment (Z3 VERSIONS)		39-3
A52 ..	SLIP CONTROL MODULE (ABS/ASC)	behind glove box (M VERSIONS)		00-2
A104 ..	BODY ELECTRONICS CONTROL MODULE (ZKE IV)	behind glove box		38-2
A110 ..	DIGITAL CLOCK	center console		
A113 ..	SEAT OCCUPANCY DETECTOR	under RH front seat		24-1
A113 ..	SEAT OCCUPANCY DETECTOR	under RH front seat (WITH SPORT SEAT)		11-2
A605 ..	FUSE HOLDER	center console (radio and console removed)		36-1
A837 ..	ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS III)	LH side of steering column		38-3
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment in E-Box (M VERSIONS)	00-1	
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment in E-Box (Z3 VERSIONS)	40-2	

03/00

7000.0

1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A8500	TRANSMISSION CONTROL MODULE (EGS)	rear RH side of engine compartment in E-Box		42-3
A9008	CRUISE CONTROL INTERFACE	near steering column		38-3
A19007	THERMAL OIL LEVEL SENSOR (TOENS) CONTROL MODULE	behind glove box		38-1
B1	RIGHT FRONT SPEED SENSOR – ABS ..	on RH front wheel, above brake caliper		
B2	LEFT FRONT SPEED SENSOR – ABS ...	on LH front wheel, above brake caliper		12-3
B3	RIGHT REAR SPEED SENSOR – ABS ...	on RH rear wheel, above brake caliper		
B4	LEFT REAR SPEED SENSOR – ABS	on LH rear wheel, above brake caliper		
B6y ...	FUEL SENSOR	in fuel tank		
B8y ...	PRESSURE SWITCH	front RH side of engine compartment		
B9	INTERMEDIATE PRESSURE SWITCH ...	front RH side of engine compartment		
B10 ..	VEHICLE SPEED SENSOR	on differential		15-2
B14 ..	EVAPORATOR TEMPERATURE SENSOR	RH side of LH footwell		21-2
B16 ..	LEFT FRONT BRAKE PAD SENSOR	on LH front wheel, above brake caliper		12-3
B17 ..	RIGHT REAR BRAKE PAD SENSOR	behind RH rear wheel		
B18 ..	BRAKE FLUID LEVEL SWITCH	rear LH side of engine compartment		09-1
B21 ..	ON-BOARD COMPUTER TEMPERATURE SENSOR	in RH front bumper		11-3
B59 ..	OIL TEMPERATURE GAUGE	center console		
B65 ..	FUEL TANK PRESSURE SENSOR	under rear storage compartment		07-2
B78 ..	DRIVER'S SIDE IMPACT SENSOR	under LH front seat		35-3
B79 ..	PASSENGER'S SIDE IMPACT SENSOR ..	under RH front seat		35-1



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B211	VOLTMETER	center console		
B6203	CRANKSHAFT POSITION/RPM SENSOR	rear LH side of engine compartment (M VERSIONS)	32-3	
B6203	CRANKSHAFT POSITION/RPM SENSOR	rear LH side of engine compartment (Z3 VERSIONS)	41-3	
B6204	CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION)	front of engine	31-3	
B6205	INTAKE AIR TEMPERATURE SENSOR ..	front LH side of engine compartment (M VERSIONS)	34-1	
B6205	INTAKE AIR TEMPERATURE SENSOR ..	top center of engine (Z3 VERSIONS)	42-2	
B6207	HOT FILM AIR MASS METER	LH side of engine compartment (M VERSIONS)	33-3	
B6207	HOT FILM AIR MASS METER	LH side of engine compartment (Z3 VERSIONS)		
B6209	HALL EFFECT CAMSHAFT SENSOR ..	front of engine		
B6214	CAMSHAFT POSITION SENSOR 1 (INLET)	front of engine		
B6224	CAMSHAFT POSITION SENSOR 2 (OUTLET)	front of engine	47-2	
B6231	OIL PRESSURE SWITCH	lower LH side of engine (M VERSIONS)	32-2	
B6231	OIL PRESSURE SWITCH	LH side of engine compartment (Z3 VERSIONS)	44-1	
B6232	ENGINE COOLANT TEMPERATURE SENSOR	front of engine		
B6236	ENGINE COOLANT TEMPERATURE SENSOR	front of engine	40-1	
B6238	OIL TEMPERATURE SENSOR	RH side of oil filter (M VERSIONS)	32-2	
B6238	OIL TEMPERATURE SENSOR	RH side of oil filter (Z3 VERSIONS)	44-1	
B6240	KNOCK SENSOR	LH side of engine (Z3 VERSIONS)	42-1	
B6240	KNOCK SENSOR	top front of engine (M VERSIONS)	33-2	

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COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B6247	CHARCOAL FILTER SHUT-OFF VALVE ..	under LH rear of car		12-1
B6254	THERMAL OIL LEVEL SWITCH	lower LH side of engine compartment		47-1
B6256	DUAL TEMPERATURE SENSOR (COOLANT TEMPERATURE)	rear of engine compartment		32-1
B6279	THERMOSTAT, CHARACTERISTIC MAP COOLING	front of engine		39-1
B9508	PRESSURE SWITCH	front RH side of engine compartment		30-2
B62101	OXYGEN SENSOR I (IN FRONT OF CATALYTIC CONVERTER)	on catalytic converter		43-3
B62102	OXYGEN SENSOR I (BEHIND CATALYTIC CONVERTER)	on catalytic converter		
B62201	OXYGEN SENSOR II (IN FRONT OF CATALYTIC CONVERTER)	on catalytic converter		43-3
B62202	OXYGEN SENSOR II (BEHIND CATALYTIC CONVERTER)	on catalytic converter		
C101 ..	CONTACT RING	top of steering column		36-3
D100 ..	DATA LINK CONNECTOR	rear RH side of engine compartment (M VERSIONS)		31-1
D100 ..	DATA LINK CONNECTOR	rear LH side of engine compartment (Z3 VERSIONS)		39-3
D110 ..	OBD II CONNECTOR	center console right		28-3
E7	LEFT HEADLIGHT	front LH side of engine compartment		
E8	RIGHT HEADLIGHT	front RH side of engine compartment		
E9	REAR DEFOGGER I	hard top		
E11	LEFT HIGH BEAM LIGHT	near front LH headlight		29-1
E12 ..	RIGHT HIGH BEAM LIGHT	near front RH headlight		

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
E13 .. LEFT LOW BEAM LIGHT	near front LH headlight		29-1
E14 .. RIGHT LOW BEAM LIGHT	near front RH headlight		29-3
E15 .. LEFT PARK LIGHT	near front LH headlight		
E16 .. LEFT REAR LIGHT ASSEMBLY	LH side of body rear end		
E17 .. RIGHT REAR LIGHT ASSEMBLY	RH side of body rear end		01-1
E19 .. RIGHT PARK LIGHT	near front RH headlight		
E21 .. LEFT FRONT MARKER LIGHT	front of vehicle		
E22 .. RIGHT FRONT MARKER LIGHT	front of vehicle		
E25 .. FRONT ASHTRAY LIGHT	center console		
E26 .. LEFT FOG LIGHT	under LH front bumper		
E27 .. RIGHT FOG LIGHT	under RH front bumper		13-2
E28 .. FRONT CIGAR LIGHTER	center console		
E28a .. CIGAR LIGHTER CONNECTION	TIRE INFLATION SYSTEM		
E29 .. FRONT CIGAR LIGHTER LIGHT	center console		22-3
E32 .. LUGGAGE COMPARTMENT LIGHT	in luggage compartment (ROADSTER)		
E32 .. LUGGAGE COMPARTMENT LIGHT	in roof panel (COUPE)		
E34 .. FRONT DOME LIGHT/MAP READING ASSEMBLY	in roof panel		
E43 .. LEFT LICENSE PLATE LIGHT	underside of luggage compartment lid, near license plate		
E44 .. RIGHT LICENSE PLATE LIGHT	underside of luggage compartment lid, near license plate		
E51 .. LEFT WASHER JET HEATER	on underside of engine hood		37-1
E52 .. RIGHT WASHER JET HEATER	on underside of engine hood		37-1

03/00

7000-04

1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0 8500.0
E56 .. DRIVER'S SEATBACK HEATER	in top of LH backrest	
E57 .. DRIVER'S SEAT HEATER	under LH front seat	
E58 .. PASSENGER'S SEAT HEATER	underside of RH front seat	
E59 .. PASSENGER'S SEATBACK HEATER	in top of RH backrest	
E82 .. TRANSMISSION POSITION INDICATOR LIGHT	center console	22-1
E96 .. GEAR SHIFT LEVER INDICATOR	center console	
E99 .. HARD TOP CONNECTOR 1	near LH rear wheel well	
E105 .. HEAT/A/C CONTROL PANEL ILLUMINATION	center of dash	21-3
E106 .. HEAT/A/C CONTROL PANEL ILLUMINATION	center of dash	21-3
E800 .. FRONT LEFT INTERIOR LIGHT	near interior rear view mirror	
F97 .. FUSIBLE LINK	in RH side of luggage compartment	01-1
G1 .. BATTERY	in RH side of luggage compartment	01-1
G5 .. DRIVER'S AIR BAG GAS GENERATOR ..	behind steering wheel	
G6 .. PASSENGER'S AIR BAG GAS GENERATOR	behind glove box above	
G12 .. DRIVER'S SIDE PYROTECHNICAL BELT TENSIONER	in LH front seat belt buckle	36-2
G13 .. PASSENGER'S SIDE PYROTECHNICAL BELT TENSIONER	in RH front seat belt buckle	36-2
G14 .. LEFT SIDE AIR BAG GAS GENERATOR ..	LH front door	16-2
G15 .. RIGHT SIDE AIR BAG GAS GENERATOR ..	RH front door	35-2

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
G6400	B+ JUNCTION POINT E-BOX	rear RH side of engine compartment in E-Box		41-2
G6430	B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		01-2
G6509	GENERATOR	front LH side of engine compartment		02-3
G7512	B+ JUNCTION POINT	below LH side of dash		
H1w ..	ANTI-THEFT HORN (ALPINE)	rear LH side of engine compartment		09-1
H2 ..	LEFT HORN	under LH front bumper		
H3 ..	RIGHT HORN	RH front of wheel well		13-2
H4 ..	RIGHT FRONT TURN LIGHT	front of vehicle		
H7 ..	LEFT FRONT TURN LIGHT	front of vehicle		
H8 ..	RIGHT FRONT AUXILIARY TURN LIGHT ..	front of vehicle		
H9 ..	LEFT FRONT AUXILIARY TURN LIGHT ..	front of vehicle		
H10 ..	CHIME MODULE	below LH side of dash		
H34 ..	HIGH LEVEL STOP LIGHT	on lift gate (ROADSTER)		45-1
H34 ..	HIGH LEVEL STOP LIGHT	on lift gate (COUPE)		
H45 ..	RIGHT REAR SPEAKER	in roof panel		
H46 ..	LEFT REAR SPEAKER	in roof panel		
H50 ..	RIGHT FRONT HIGH RANGE SPEAKER ..	in upper RH front door		
H51 ..	RIGHT FRONT LOW RANGE SPEAKER ..	in lower RH A-pillar		
H52 ..	RIGHT REAR LOW RANGE SPEAKER ...	in rear speaker box		
H53 ..	RIGHT REAR HIGH RANGE SPEAKER ..	in roof panel		
H54 ..	RIGHT FRONT MIDRANGE SPEAKER ...	in upper RH front door		

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1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
H54z . REAR RIGHT MID-HIGH RANGE SPEAKER	in rear speaker box (ROADSTER)		07-3
H54z . REAR RIGHT MID-HIGH RANGE SPEAKER	in roof panel (COUPE)		
H55 .. LEFT FRONT MIDRANGE SPEAKER	in upper LH front door		
H55z . REAR LEFT MID-HIGH RANGE SPEAKER	in rear speaker box (ROADSTER)		10-1
H55z . REAR LEFT MID-HIGH RANGE SPEAKER	in roof panel (COUPE)		
H56 .. LEFT REAR HIGH RANGE SPEAKER	in roof panel		
H57 .. LEFT REAR LOW RANGE SPEAKER	in rear speaker box		
H58 .. LEFT FRONT LOW RANGE SPEAKER ...	in lower LH A-pillar		
H59 .. LEFT FRONT HIGH RANGE SPEAKER ..	in upper LH front door		
H500 .. REAR WOOFER	in rear speaker box (COUPE)		46-1
H500 .. REAR WOOFER	in rear speaker box (ROADSTER)		
I1008 .. SEAT MAT	in passenger's seat area		
K2 HORN RELAY	rear LH side of engine compartment in Power Distribution Box		09-2
K4 BLOWER RELAY	rear LH side of engine compartment in Power Distribution Box		09-2
K9 UNLOADER RELAY, TERMINAL 15	rear LH side of engine compartment in Power Distribution Box		09-3
K16 .. HAZARD FLASHER RELAY	rear LH side of engine compartment in Power Distribution Box		09-2
K19 .. COMPRESSOR CONTROL RELAY	rear LH side of engine compartment in Power Distribution Box		09-3
K21 .. NORMAL SPEED RELAY	rear LH side of engine compartment in Power Distribution Box		09-3
K22 .. HIGH SPEED RELAY	rear LH side of engine compartment in Power Distribution Box		09-3
K33a .. AIR CONDITIONING RELAY, MOTRONIC ..	rear LH side of engine compartment in Power Distribution Box		09-2

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
K46 .. HIGH BEAM LIGHT RELAY	footwell, driver's side (USA)	19-1	
K46z .. DAY LIGHT RELAY MODULE	footwell, driver's side (CANADA)		
K47 .. FRONT FOG LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K48 .. LOW BEAM LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	09-2	
K70 .. CENTRAL LOCKING LUGGAGE COMPARTMENT LID MOTOR RELAY (ZV)	rear LH side of engine compartment in Power Distribution Box	08-2	
K94 .. ENGINE CONTROL RELAY (ABS/ASC) ..	rear LH side of engine compartment in Power Distribution Box	09-3	
K95 .. VALVE RELAY (ABS/ASC)	rear LH side of engine compartment in Power Distribution Box	09-3	
K910 .. PASSENGER'S SEAT TILT ADJUST CUT-OFF RELAY	underside of RH front seat	11-1	
K911 .. PASSENGER'S SEAT LENGTH ADJUST CUT-OFF RELAY	underside of RH front seat	11-1	
K920 .. DRIVER'S SEAT TILT ADJUST CUT-OFF RELAY	underside of LH front seat	10-2	
K921 .. DRIVER'S SEAT LENGTH ADJUST CUT-OFF RELAY	underside of LH front seat	10-2	
K6300 ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E-Box (M VERSIONS)	00-1	
K6300 ENGINE CONTROL MODULE RELAY	rear RH side of engine compartment in E-Box (Z3 VERSIONS)	41-1	
K6304 SECONDARY AIR PUMP RELAY	rear RH side of engine compartment in E-Box (M VERSIONS)	00-1	
K6304 SECONDARY AIR PUMP RELAY	rear RH side of engine compartment in E-Box (Z3 VERSIONS)	41-1	
K6326 UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E-Box (M VERSIONS)	00-1	
K6326 UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment in E-Box (Z3 VERSIONS)	41-1	
K6301w FUEL PUMP RELAY	below LH side of dash	19-1	

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
K6394 COMPRESSOR RELAY	TIRE INFLATION SYSTEM		
K18363 CONVERTIBLE TOP RELAY I (CLOSE) ...	in LH side of luggage compartment	25-3	
K18364 CONVERTIBLE TOP RELAY II (OPEN) ...	in LH side of luggage compartment	25-3	
L1 EWS TOROIDAL COIL	at ignition switch		
M2 FUEL PUMP	in fuel tank		
M3 WIPER MOTOR	rear of engine compartment	45-3	
M4 WASHER PUMP	front RH side of engine compartment on washer fluid reservoir		
M7 HEADLIGHT/FOG LIGHT WASHER PUMP	front RH side of engine compartment on washer fluid reservoir		
M9 AUXILIARY FAN MOTOR	behind front grille		
M12 .. DRIVER'S DOOR LOCK MOTOR	driver's door		
M13 .. PASSENGER'S DOOR LOCK MOTOR	passenger's door		
M17 .. LUGGAGE COMPARTMENT LOCK MOTOR	rear side of luggage compartment behind trim panel (ROADSTER)		
M17 .. LUGGAGE COMPARTMENT LOCK MOTOR	in lift gate (Z3 COUPE)	37-2	
M17 .. LUGGAGE COMPARTMENT LOCK MOTOR	in lift gate (M COUPE)	46-3	
M21 .. DRIVER'S WINDOW MOTOR	in driver's door	17-2	
M23 .. PASSENGER'S WINDOW MOTOR	in passenger's door	18-3	
M24y .. TILT SUNROOF MOTOR	in roof panel		
M25 .. CRUISE CONTROL ACTUATOR (TEMPOMAT)	rear LH side of engine compartment	08-3	
M30 .. BLOWER MOTOR	rear of engine compartment		

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
M51 .. DRIVER'S SEAT MOVEMENT MOTOR ...	under LH front seat	25-1	
M51 .. DRIVER'S SEAT MOVEMENT MOTOR ...	under LH front seat (WITH SPORT SEAT)	10-3	
M52 .. DRIVER'S SEAT HEIGHT MOTOR	under LH front seat	25-1	
M52 .. DRIVER'S SEAT HEIGHT MOTOR	under LH front seat (WITH SPORT SEAT)	10-3	
M59 .. PASSENGER'S SEAT HEIGHT MOTOR ..	under RH front seat	24-1	
M60 .. PASSENGER'S SEAT MOVEMENT MOTOR	under RH front seat	24-1	
M93 .. AUXILIARY THROTTLE POSITION MOTOR (ADS)	front of engine	08-1	
M101 .. CONVERTIBLE TOP MOTOR	in LH side of luggage compartment	25-3	
M111 .. FRESH AIR RECIRCULATION MOTOR ...	RH side of LH footwell	21-2	
M805 .. ELECTRICAL COMPRESSOR	TIRE INFLATION SYSTEM		
M6506 E-BOX FAN	in E-Box		
M6510 STARTER	rear LH side of engine compartment	02-2	
N5 .. ANALOG CLOCK	center console		
N8 .. ANTENNA AMPLIFIER AM/FM	in LH side of luggage compartment behind trim panel (ROADSTER)		
N8 .. ANTENNA AMPLIFIER AM/FM	in roof panel (COUPE)	37-3	
N9 .. RADIO	center console		
N12w .. ANTI-THEFT CONTROL MODULE (ALPINE)	behind glove box		
N17 .. CRASH CONTROL MODULE	footwell, driver's side	19-1	
N22 .. CD CHANGER	in RH side of luggage compartment		
P90 .. FRONT POWER DISTRIBUTION BOX ...	rear LH side of engine compartment		



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
P95 .. AUXILIARY FUSE BOX	below LH side of dash		
P97 .. AUXILIARY FUSE BOX	below LH side of dash	19-1	
P98 .. FUSE HOLDER IN E-BOX	rear RH side of engine compartment in E-Box	40-3	
P99 .. FUSE HOLDER	in RH side of luggage compartment		
R11 .. BLOWER RESISTORS	rear of engine compartment behind firewall		
R31 .. AUXILIARY THROTTLE POSITION SENSOR	front of engine	33-3	
R6252 THROTTLE POSITION SENSOR	front of engine	33-3	
R6385 THROTTLE POSITION SENSOR/CRUISE CONTROL ACTUATOR	top LH side of engine	39-2	
R8554 RESISTOR	on cylinder head		
S2 IGNITION SWITCH	LH side of dash		
S3 AUTOMATIC TRANSMISSION RANGE SWITCH	center console	22-1	
S4 HORN SWITCH	on steering wheel		
S5 WIPER/WASHER SWITCH	LH side of dash RH side of steering column above		
S6 ASC SWITCH	center console		
S7 COMBINATION SWITCH	LH side of dash LH side of steering column above		
S8 LIGHT SWITCH	LH side of dash		
S10 .. FOG LIGHT SWITCH	LH side of dash		
S13 .. PASSENGER'S DOOR JAMB SWITCH ...	RH B-pillar	26-1	
S14 .. DRIVER'S DOOR JAMB SWITCH	LH B-pillar	27-1	
S17 .. MIRROR CONTROL SWITCH	in upper LH front door		

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
S18 .. HAZARD SWITCH	center console bottom		
S20w .. RADIO ANTI-THEFT SWITCH	center console (radio and console removed)	36-1	
S21w .. ENGINE HOOD SWITCH	near LH headlight assembly	29-1	
S28 .. CRUISE CONTROL SWITCH	LH side of dash RH side of steering column above		
S30 .. BRAKE LIGHT SWITCH	LH footwell	20-1	
S31 .. PARK BRAKE SWITCH	center console on rear of park brake lever		
S32 .. CLUTCH SWITCH	LH footwell	20-1	
S36 .. TEMPERATURE SWITCH	front RH side of engine compartment	30-1	
S38y .. TILT SUNROOF SWITCH	in roof panel		
S47 .. DRIVER'S DOOR LOCK SWITCH	in driver's door	17-1	
S49 .. PASSENGER'S DOOR LOCK SWITCH ...	in passenger's door		
S51 .. DRIVER'S SEAT, SEAT CONTROL SWITCH	LH front seat		
S53 .. DRIVER'S SEAT, SEAT HEATER SWITCH	center console	23-1	
S54 .. PASSENGER'S SEAT, SEAT HEATER SWITCH	center console	23-1	
S56 .. PASSENGER'S SEAT, SEAT CONTROL SWITCH	RH front seat		
S58 .. DRIVER'S SEAT BELT SWITCH	in LH front seat belt buckle		
S59 .. PASSENGER'S SEAT BELT SWITCH	in RH front seat belt buckle		
S75 .. BLOWER SWITCH	center of dash		21-3
S76 .. REAR WINDOW DEFOGGER SWITCH ...	center console		

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COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S117 ..	LUGGAGE COMPARTMENT LID LOCKING SWITCH	in lift gate		
S126y	DRIVER'S POWER WINDOW SWITCH ...	center console near gearshift lever		
S127y	PASSENGER'S POWER WINDOW SWITCH	center console near gearshift lever		
S143 ..	CONVERTIBLE TOP ACTUATING SWITCH	center console		
S164 ..	CONVERTIBLE TOP END-POSITION MICRO SWITCH	at convertible top linkage	17-3	
S198 ..	JET HEATER THERMOSWITCH	on front RH wheel well		
S220 ..	AIR CONDITIONING/RECIRCULATING SWITCH ASSEMBLY	center console	00-3	
S221 ..	EVAPORATOR CONTROLLER	RH side of LH footwell	21-2	
S232 ..	COMPRESSOR MAIN SWITCH	TIRE INFLATION SYSTEM		
S235 ..	STARTER IMMOBILIZATION SWITCH	LH footwell	20-1	
S408 ..	INTERIOR LIGHT SWITCH	near interior rear view mirror	28-2	
S531 ..	TEMPERATURE WHEEL SWITCH	center of dash	21-3	
S559 ..	PASSENGER'S AIR BAG CUT-OFF SWITCH	center console		
S826 ..	LUGGAGE COMPARTMENT LIGHT SWITCH	underside of luggage compartment lid		
S910 ..	DRIVER'S SEAT LIMIT SWITCH	in driver's seatback	45-2	
S911 ..	PASSENGER'S SEAT LIMIT SWITCH	in passenger's seatback	45-2	
S8503	PROGRAM SWITCH	center console	22-1	
S8507	KICK-DOWN SWITCH	behind gas pedal	19-3	

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COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S8511	REVERSING LIGHT SWITCH	LH side of transmission		14-2
T6151	CYL. 1 IGNITION COIL	RH side of engine compartment		
T6152	CYL. 2 IGNITION COIL	RH side of engine compartment		
T6153	CYL. 3 IGNITION COIL	RH side of engine compartment		
T6154	CYL. 4 IGNITION COIL	RH side of engine compartment		
T6155	CYL. 5 IGNITION COIL	RH side of engine compartment		
T6156	CYL. 6 IGNITION COIL	RH side of engine compartment		
X0	B+ JUNCTION POINT	rear LH side of engine compartment in Power Distribution Box	02-1	
X2	BATTERY B+ START POINT	rear LH side of engine compartment in Power Distribution Box (M VERSIONS)		
X2	BATTERY B+ START POINT	in RH side of luggage compartment (Z3 VERSIONS)		
X4	GROUND	LH side of engine compartment		
X8	CABLE SOCKET B+	in RH side of luggage compartment		
X9	CABLE SOCKET B+	below LH side of dash		
X16 ..	(26 PINS, NATURAL)	LH side of dash rear side of instrument cluster, A2w	20-2	00-3
X17 ..	(26 PINS, BLUE)	LH side of dash rear side of instrument cluster, A2w	20-2	00-3
X20 ..	(25 PINS, BLACK)	rear LH side of engine compartment	08-1	04-4
X22 ..	(26 PINS, BLUE)	behind glove box	00-2	00-3
X29 ..	(1 PIN, —)	LH side of steering column		
X32 ..	(12 PINS, NATURAL)	on steering column	19-2	02-4
X33 ..	(12 PINS, BLACK)	on steering column	19-2	02-4
X35 ..	(4 PINS, BLACK)	RH side of LH footwell	21-1	03-1
X44 ..	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X45 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X50 .. (9 PINS, BLACK)	Power Distribution Box, rear LH side of engine compartment	03-4	
X51 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X52 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X53 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X56 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X58 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X63 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X64 .. (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	03-4	
X65 .. (9 PINS, BLACK)	below LH side of dash	03-4	
X70 .. (8 PINS, BLACK)	rear LH side of engine compartment	08-3	06-2
X72 .. (6 PINS, NATURAL)	on steering column	19-2	05-3
X74 .. (50 PINS, NATURAL)	below center console	22-2	11-2
X78 .. (4 PINS, BLACK)	on steering column	20-1	03-1
X82 .. (3 PINS, BLACK)	under radiator	13-1	05-5
X85 .. (3 PINS, BLACK)	rear LH side of engine compartment	14-3	05-5
X87 .. (3 PINS, BLACK)	RH top of radiator	30-1	02-5
X105 .. (2 PINS, GRAY)	on underside of engine hood	37-1	
X106 .. (2 PINS, GRAY)	on underside of engine hood	37-1	
X107 .. (2 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir		
X111 .. (2 PINS, BLACK)	rear LH side of engine compartment	09-1	
X113 .. (3 PINS, GRAY)	behind RH front wheel	13-3	06-3

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1999



COMPONENT LOCATION CHART

03/00

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1999

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X114 . (3 PINS, GRAY)	behind LH front wheel	12-2	06-3
X118 . (2 PINS, BLACK)	behind LH front wheel	12-2	
X121 . (2 PINS, WHITE)	LH footwell	20-1	
X123 . (2 PINS, GRAY)	front RH side of engine compartment on washer fluid reservoir		
X127 . (4 PINS, BLACK)	front RH side of engine compartment	30-2	05-4
X128 . (3 PINS, BLACK)	front LH side of engine compartment		02-5
X130 . (2 PINS, GRAY)	near front LH headlight	29-2	
X131 . (2 PINS, BLACK)	near front LH headlight	29-2	
X132 . (2 PINS, BLACK)	on front LH wheel well		
X133 . (2 PINS, BLACK)	on front RH wheel well	13-2	
X134 . (2 PINS, BLACK)	near front RH headlight	29-3	
X135 . (2 PINS, GRAY)	near front RH headlight	29-3	
X137 . (3 PINS, BLACK)	front RH side of engine compartment	30-3	02-5
X142 . (2 PINS, GRAY)	under LH rear of car	16-1	
X143 . (2 PINS, GRAY)	under RH rear of car	15-3	
X163 . (3 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir near RH headlight assembly	30-2	05-5
X165 . GROUND	front RH side of engine compartment	04-2	
X166 . GROUND	front LH side of engine compartment	05-1	
X170 . GROUND	behind LH footwell speaker grille	03-2	
X256 . (26 PINS, BLACK)	RH A-pillar	18-1	03-5
X257 . (26 PINS, BLACK)	LH A-pillar	16-3	03-5



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X271 . (12 PINS, BLACK)	LH side of dash rear side of instrument cluster, A2w	20-2	01-3
X275 . (4 PINS, NATURAL)	under LH front seat	25-2	03-1
X275 . (4 PINS, NATURAL)	under LH front seat (WITH SPORT SEAT)	10-3	03-1
X279 . (4 PINS, NATURAL)	under RH front seat	24-2	03-1
X279 . (4 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-2	03-1
X285 . (15 PINS, BLUE)	behind glove box	38-2	05-1
X295 . (8 PINS, BLACK)	on steering column	19-2	03-3
X311 . (3 PINS, BLACK)	in luggage compartment lid (ROADSTER)	28-1	01-1
X311 . (3 PINS, BLACK)	in lift gate (COUPE)	37-2	01-1
X315 . (2 PINS, BLACK)	in luggage compartment lid (ROADSTER)	28-1	
X315 . (2 PINS, BLACK)	in lift gate (COUPE)	37-2	
X316 . (4 PINS, VIOLET)	center console near gearshift lever		07-1
X318 . (8 PINS, BLACK)	in RH rear side of luggage compartment behind RH rear light assembly	01-1	02-1
X319 . (8 PINS, BLACK)	in LH side of luggage compartment behind trim panel		02-1
X322 . (6 PINS, BLACK)	footwell, driver's side	19-1	03-6
X324 . (4 PINS, VIOLET)	center console near gearshift lever		07-1
X333 . (4 PINS, NATURAL)	rear of engine compartment below center of cowl	45-3	03-1
X336 . (3 PINS, BLACK)	in upper RH A-pillar		01-1
X351 . (3 PINS, BLACK)	RH B-pillar	26-1	01-1
X352 . (3 PINS, BLACK)	LH B-pillar	27-1	01-1
X357 . (2 PINS, WHITE)	near interior rear view mirror	28-2	
X371 . (3 PINS, BLACK)	near front LH headlight	29-1	02-5

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1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X372 . (2 PINS, GRAY)	rear LH side of engine compartment	09-1	
X379 . (1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X380 . (1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X383 . (2 PINS, BLACK)	on differential	15-2	
X389 . (2 PINS, BLACK)	LEFT FRONT AUXILIARY TURN LIGHT		
X390 . (2 PINS, BLACK)	RIGHT FRONT AUXILIARY TURN LIGHT		
X400 . (8 PINS, BLACK)	center console	02-1	
X413 . (3 PINS, BLACK)	HIGH LEVEL STOP LIGHT (ROADSTER)	45-1	01-1
X413 . (3 PINS, BLACK)	HIGH LEVEL STOP LIGHT (COUPE)		01-1
X423 . (1 PIN, —)	below center console on rear of park brake lever		
X424 . (1 PIN, —)	in LH side of luggage compartment behind trim panel (ROADSTER)		
X424 . (1 PIN, —)	in roof panel (COUPE)	37-3	
X494 . GROUND	below center console	03-1	
X503 . (12 PINS, BLACK)	LH side of dash	20-3	07-2
X504 . (4 PINS, NATURAL)	LH side of dash	20-3	03-1
X511 . (8 PINS, BLACK)	center console	22-1	02-1
X516 . (5 PINS, BLACK)	center console		02-6
X521 . (6 PINS, BLUE)	center console		04-5
X522 . (3 PINS, NATURAL)	RH side of LH footwell		04-3
X531 . (1 PIN, NATURAL)	center console	22-3	
X532 . (2 PINS, BLACK)	center console	22-3	
X537 . (3 PINS, BLACK)	REAR LEFT MID-HIGH RANGE SPEAKER (ROADSTER)	10-1	01-1



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X537 . (3 PINS, BLACK)	in roof panel REAR LEFT MID-HIGH RANGE SPEAKER (COUPE)	01-1	
X538 . (3 PINS, BLACK)	REAR RIGHT MID-HIGH RANGE SPEAKER (ROADSTER)	07-3	01-1
X538 . (3 PINS, BLACK)	in roof panel REAR RIGHT MID-HIGH RANGE SPEAKER (COUPE)	01-1	
X539 . (2 PINS, BLACK)	center console (radio and console removed)	36-1	
X605 . (12 PINS, BLACK)	in RH forward side of luggage compartment (ROADSTER)	27-3	01-5
X605 . (12 PINS, BLACK)	in RH forward side of luggage compartment (COUPE)	46-1	01-5
X606 . (26 PINS, BLACK)	in RH forward side of luggage compartment (ROADSTER)	27-3	00-3
X606 . (26 PINS, BLACK)	in RH forward side of luggage compartment (COUPE)	46-1	00-3
X623 . (4 PINS, BLACK)	in driver's door	17-2	07-1
X624 . (4 PINS, BLACK)	in passenger's door	18-3	07-1
X625 . (6 PINS, BLACK)	in driver's door	17-2	08-2
X641 . (6 PINS, BLACK)	in passenger's door	18-2	07-4
X643 . (6 PINS, WHITE)	in roof panel	04-6	
X651 . (6 PINS, VIOLET)	center console	23-1	04-5
X658 . (6 PINS, VIOLET)	center console	23-1	04-5
X660 . (6 PINS, BLACK)	LH front door behind door panel	07-4	
X693 . (1 PIN, NATURAL)	TIRE INFLATION SYSTEM		
X700 . (1 PIN, —)	behind RH footwell speaker grille	23-3	
X701 . (1 PIN, —)	behind LH footwell speaker grille		
X709 . (2 PINS, BLACK)	underside of luggage compartment lid, near license plate		
X710 . (2 PINS, BLACK)	underside of luggage compartment lid, near license plate		
X711 . (2 PINS, BLACK)	in luggage compartment lid	28-1	



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X712 . (1 PIN, BLACK)	in luggage compartment (ROADSTER)		
X712 . (4 PINS, NATURAL)	in roof panel (COUPE)	37-3	
X713 . (2 PINS, BLACK)	under RH rear of car	15-3	
X726 . (2 PINS, NATURAL)	under LH front seat	25-1	
X726 . (2 PINS, NATURAL)	under LH front seat (WITH SPORT SEAT)	10-3	
X728 . (2 PINS, BLACK)	under LH front seat	25-1	
X728 . (2 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-3	
X733 . (4 PINS, BLACK)	under LH front seat	25-2	03-1
X733 . (4 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-3	03-1
X734 . (2 PINS, NATURAL)	under RH front seat	24-1	
X734 . (2 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-1	
X737 . (2 PINS, BLACK)	under RH front seat	24-1	
X737 . (2 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	11-2	
X740 . (4 PINS, BLACK)	under RH front seat	24-2	03-1
X740 . (4 PINS, BLACK)	under RH front seat (WITH SPORT SEAT)	11-2	
X742 . (2 PINS, YELLOW)	in passenger's door		
X744 . (4 PINS, GRAY)	in passenger's door	18-3	05-4
X746 . (3 PINS, YELLOW)	in passenger's door	18-3	10-5
X747 . (2 PINS, YELLOW)	in driver's door	17-1	
X749 . (2 PINS, GRAY)	in driver's door	17-2	
X753 . (3 PINS, YELLOW)	in driver's door	17-2	10-5
X760 . (3 PINS, BLACK)	RIGHT REAR HIGH RANGE SPEAKER	01-1	

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7000.0-20

1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X761 . (1 PIN, BLACK)	RIGHT REAR SPEAKER		
X762 . (3 PINS, BLACK)	LEFT REAR HIGH RANGE SPEAKER	01-1	
X763 . (1 PIN, BLACK)	LEFT REAR SPEAKER		
X766 . (2 PINS, BLACK)	LH front of vehicle		
X767 . (2 PINS, BLACK)	RH front of vehicle		
X768 . (2 PINS, BLACK)	on front LH wheel well		
X769 . (2 PINS, BLACK)	RH front of wheel well	13-2	
X770 . (2 PINS, YELLOW)	in RH front bumper	11-3	
X771 . (2 PINS, NATURAL)	RH side of LH footwell	21-2	
X778 . (4 PINS, BLACK)	under LH front seat		07-1
X778 . (4 PINS, BLACK)	under LH front seat (WITH SPORT SEAT)	10-2	07-1
X782 . (3 PINS, ORANGE)	behind glove box above	00-2	07-5
X783 . (3 PINS, ORANGE)	underside of steering column	36-3	07-5
X898 . (8 PINS, BLACK)	under rear storage compartment (ROADSTER)	26-2	08-3
X898 . (4 PINS, NATURAL)	center console (M COUPE)		07-1
X898 . (8 PINS, BLACK)	center console (Z3 COUPE)		08-3
X904 . (4 PINS, BLACK)	RH side of LH footwell		03-1
X905 . (7 PINS, BLACK)	center of dash	21-3	09-3
X1014 . (1 PIN, BLACK)	center console	22-3	
X1098 . (3 PINS, BLACK)	LH side of dash	20-3	01-1
X1116 . GROUND	in LH side of luggage compartment	06-3	
X1148 . (2 PINS, BLACK)	on front RH wheel well		

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1155	(2 PINS, BLACK)	center console		
X1166	GROUND	behind glove box	04-1	
X1170	(25 PINS, GRAY)	front LH side of engine compartment	39-3	09-4
X1175	(83 PINS, NATURAL)	behind glove box	00-2	08-4
X1178	(2 PINS, WHITE)	center console	27-2	
X1193	(3 PINS, BLACK)	center console	22-1	01-1
X1213	(2 PINS, BLACK)	center console		
X1255	(4 PINS, BLACK)	TIRE INFLATION SYSTEM	03-1	
X1265	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X1266	(1 PIN, NATURAL)	HARD TOP CONNECTOR 1		
X1376	(9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment	03-4	
X1380	(1 PIN, —)	behind RH footwell speaker grille	23-3	
X1381	(1 PIN, —)	behind LH footwell speaker grille		
X1439	(2 PINS, BLACK)	center console		
X1441	GROUND	below center console	03-3	
X1517	(6 PINS, BLACK)	RH side of LH footwell	21-2	09-2
X1588	(2 PINS, BLACK)	below LH side of dash	19-1	
X1715	(4 PINS, NATURAL)	in rear left speaker box (ROADSTER)	26-3	03-1
X1715	(4 PINS, NATURAL)	in RH forward side of luggage compartment (COUPE)	46-1	03-1
X1764	(3 PINS, BLACK)	RH side of steering column	38-3	01-1
X1775	(3 PINS, NATURAL)	in lift gate	10-5	
X1805	(15 PINS, NATURAL)	LH side of steering column	38-3	05-1

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1883	(2 PINS, YELLOW)	LH front door		16-2
X1884	(2 PINS, YELLOW)	RH front door		35-2
X1885	(3 PINS, BLACK)	under LH front seat		35-3 10-1
X1886	(3 PINS, BLACK)	under RH front seat		35-1 10-1
X1976	CABLE SOCKET B+	below LH side of dash		
X1977	CABLE SOCKET B+	below LH side of dash		
X1978	CABLE SOCKET B+	below LH side of dash		
X1979	CABLE SOCKET B+	below LH side of dash		
X1980	CABLE SOCKET B+	below LH side of dash		
X1981	CABLE SOCKET B+	below LH side of dash		
X1982	CABLE SOCKET B+	below LH side of dash		
X2213	(15 PINS, NATURAL)	LH side of engine compartment	08-1	05-1
X2227	(4 PINS, BLUE)	center console		07-1
X3040	(2 PINS, BLACK)	TIRE INFLATION SYSTEM		
X3158	(1 PIN, NATURAL)	TIRE INFLATION SYSTEM		
X5115	(2 PINS, BLACK)	center console (radio and console removed)		36-1
X6000	(88 PINS, NATURAL)	rear RH side of engine compartment in E-Box	00-1	00-1
X6002	(20 PINS, BLACK)	rear RH side of engine compartment (M VERSIONS)		04-1
X6002	(20 PINS, BLACK)	rear LH side of engine compartment (Z3 VERSIONS)		04-1
X6011	(2 PINS, BLUE)	rear RH side of engine compartment in E-Box		40-3
X6021	(4 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-3	03-1
X6031	(12 PINS, BLACK)	rear LH side of engine compartment (M VERSIONS)	08-1	01-6

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6031	(18 PINS, BLACK)	rear RH side of engine compartment in E-Box (Z3 VERSIONS)	40-3	07-3
X6053	(4 PINS, NATURAL)	rear RH side of engine compartment in E-Box	41-2	03-1
X6054	(2 PINS, NATURAL)	rear RH side of engine compartment in E-Box	41-1	
X6101	(2 PINS, BLACK)	top center of engine		
X6102	(2 PINS, BLACK)	top center of engine		
X6103	(2 PINS, BLACK)	top center of engine		
X6104	(2 PINS, BLACK)	top center of engine		
X6105	(2 PINS, BLACK)	top center of engine		
X6106	(2 PINS, BLACK)	top center of engine		
X6120	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	44-1	
X6120	(2 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	34-2	
X6130	(3 PINS, BLACK)	front of engine	43-1	10-2
X6133	(2 PINS, BLACK)	rear RH side of engine compartment	31-2	
X6139	(3 PINS, BLACK)	under LH center of car	47-1	05-5
X6150	(10 PINS, BLACK)	rear RH side of engine compartment	31-1	05-2
X6151	(3 PINS, BLACK)	top RH side of engine		09-5
X6152	(3 PINS, BLACK)	top RH side of engine		09-5
X6153	(3 PINS, BLACK)	top RH side of engine		09-5
X6154	(3 PINS, BLACK)	top RH side of engine		09-5
X6155	(3 PINS, BLACK)	top RH side of engine		09-5
X6156	(3 PINS, BLACK)	top RH side of engine		09-5
X6163	(2 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	31-3	

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COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6163	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	44-2	
X6167	(2 PINS, BLACK)	LH side of engine compartment	39-3	
X6203	(3 PINS, BLACK)	rear LH side of engine compartment (M VERSIONS)	33-1	10-2
X6203	(3 PINS, BLACK)	rear LH side of engine compartment (Z3 VERSIONS)	41-3	06-4
X6204	(3 PINS, BLACK)	front of engine below intake manifold	33-1	10-2
X6205	(2 PINS, BLACK)	top center of engine (Z3 VERSIONS)	42-2	
X6205	(2 PINS, BLACK)	front LH side of engine compartment (M VERSIONS)	34-1	
X6207	(4 PINS, BLACK)	LH side of engine compartment (M VERSIONS)	33-3	10-4
X6207	(3 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)		10-2
X6214	(3 PINS, BLACK)	front of engine	44-3	10-2
X6224	(3 PINS, BLACK)	front of engine	47-2	06-4
X6231	(2 PINS, BLACK)	LH side of engine compartment (Z3 VERSIONS)	44-1	
X6231	(2 PINS, BLACK)	front of engine (M VERSIONS)	32-2	
X6236	(2 PINS, BLACK)	LH side of engine	40-1	
X6238	(2 PINS, BLACK)	RH side of oil filter (M VERSIONS)	32-2	
X6238	(2 PINS, BLACK)	RH side of oil filter (Z3 VERSIONS)	44-1	
X6240	(4 PINS, BLACK)	LH side of engine near starter (Z3 VERSIONS)	42-1	06-1
X6240	(4 PINS, BLACK)	LH side of engine (M VERSIONS)	33-1	06-1
X6247	(2 PINS, BLACK)	under LH rear of car	12-1	
X6252	(3 PINS, BLACK)	front of engine	33-3	10-2
X6254	(3 PINS, BLACK)	LH side of engine	47-1	06-4
X6256	(4 PINS, BLACK)	rear of engine compartment	10-3	

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6275	(2 PINS, BLACK)	top center of engine (M VERSIONS)		31-3
X6275	(2 PINS, BLACK)	top center of engine (Z3 VERSIONS)		42-2
X6276	(2 PINS, BLACK)	front of engine		47-2
X6279	(2 PINS, BLACK)	front of engine		39-1
X6300	(9 PINS, BLACK)	rear RH side of engine compartment in E-Box		03-4
X6301	(9 PINS, BLACK)	below LH side of dash		03-4
X6304	(9 PINS, BLACK)	rear RH side of engine compartment in E-Box		03-4
X6326	(9 PINS, BLACK)	rear RH side of engine compartment in E-Box		03-4
X6385	(10 PINS, BLACK)	top LH side of engine	39-2	05-2
X6394	(9 PINS, BLACK)	TIRE INFLATION SYSTEM		03-4
X6430	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6431	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6432	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6433	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6437	CABLE SOCKET B+ JUMP START JUNCTION POINT	rear RH side of engine compartment		
X6454	GROUND	rear RH side of engine compartment (Z3 VERSIONS)		
X6454	GROUND	rear RH side of engine compartment (M VERSIONS)	04-2	
X6455	GROUND	rear RH side of engine compartment (M VERSIONS)	04-2	
X6455	GROUND	rear RH side of engine compartment (Z3 VERSIONS)		

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6456	GROUND	rear RH side of engine compartment	06-1	
X6500	(6 PINS, BLACK)	under rear storage compartment	07-1	06-5
X6501	(3 PINS, BLACK)	under rear storage compartment	07-1	02-5
X6506	(2 PINS, BLACK)	in E-Box	41-1	
X6509	CABLE SOCKET ALTERNATOR B+	front LH side of engine compartment	02-3	
X6510	CABLE SOCKET STARTER, TERMINAL 50	rear LH side of engine compartment at starter	02-2	
X6511	CABLE SOCKET STARTER, TERMINAL 30h	rear LH side of engine compartment at starter		
X6512	CABLE SOCKET STARTER, TERMINAL 30	rear LH side of engine compartment at starter	02-2	
X6524	(3 PINS, BLACK)	front LH side of engine compartment	43-2	10-2
X6550	(2 PINS, BLACK)	under LH center of car	34-3	
X7509	CABLE SOCKET ALTERNATOR, TERMINAL D+	front LH side of engine compartment	02-3	
X8500	(88 PINS, NATURAL)	rear RH side of engine compartment in E-Box	42-3	00-1
X8503	(6 PINS, VIOLET)	center console	22-1	04-5
X8505	(16 PINS, BLACK)	on RH side of transmission	15-1	11-4
X8507	(1 PIN, BLACK)	behind gas pedal	19-3	
X8511	(2 PINS, BLACK)	LH side of transmission	14-2	
X8516	(2 PINS, BLACK)	LH side of transmission		
X8533	(2 PINS, BLACK)	LH side of engine compartment	08-1	
X9023	(3 PINS, BLACK)	in lift gate	46-2	01-1
X9170	CABLE SOCKET GROUND	LH side of engine compartment		

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1999



COMPONENT LOCATION CHART

Z3

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X9336	(4 PINS, NATURAL)	in upper RH A-pillar		03-1
X9633	GROUND	behind LH footwell speaker grille	03-2	
X9990	(3 PINS, BLACK)	underside of LH front seat		11-1
X9991	(10 PINS, BLACK)	underside of LH front seat	10-2	11-5
X9994	(3 PINS, BLACK)	underside of RH front seat		11-1
X9995	(10 PINS, BLACK)	underside of RH front seat	11-1	11-5
X9997	(2 PINS, ORANGE)	behind steering wheel		
X10010	GROUND	behind glove box	04-1	
X10013	(2 PINS, NATURAL)	behind steering wheel		
X10054	(8 PINS, BLACK)	RH side of LH footwell	21-1	02-1
X10059	(3 PINS, BLACK)	center console		01-2
X10065	(2 PINS, WHITE)	LH footwell		14-1
X10088	(2 PINS, BLACK)	front RH side of engine compartment	30-3	
X10170	(3 PINS, NATURAL)	near steering column	38-3	01-1
X10182	(18 PINS, BLACK)	behind glove box		07-3
X10214	(3 PINS, VIOLET)	under LH front seat	10-2	10-5
X10215	(3 PINS, VIOLET)	under RH front seat	11-1	10-5
X10216	(3 PINS, YELLOW)	in LH front seat belt buckle	36-2	07-5
X10217	(3 PINS, YELLOW)	in RH front seat belt buckle	36-2	07-5
X10218	(3 PINS, NATURAL)	under RH front seat	24-2	01-1
X10218	(3 PINS, NATURAL)	under RH front seat (WITH SPORT SEAT)	11-2	01-1
X10239	(3 PINS, BLACK)	front of engine	33-3	10-2

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1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X10241 (3 PINS, BLACK)	front RH side of engine compartment	30-2	05-5
X10244 (1 PIN, BLACK)	behind glove box	24-3	
X10245 (12 PINS, BLACK)	center console	00-3	01-3
X10246 (12 PINS, BLACK)	in rear left speaker box	26-3	01-3
X10262 (9 PINS, BLACK)	below LH side of dash	03-4	
X10263 (6 PINS, BLACK)	center console	04-5	
X10266 (6 PINS, BLACK)	in RH forward side of luggage compartment (ROADSTER)	27-3	04-5
X10266 (6 PINS, BLACK)	in RH forward side of luggage compartment (COUPE)	46-1	04-5
X10285 (2 PINS, BLACK)	in lift gate	46-3	
X10299 (4 PINS, BLACK)	RH rear wheel well	17-3	03-1
X10422 CABLE SOCKET B+	below LH side of dash		
X11104 (1 PIN, —)	near interior rear view mirror	28-2	
X11105 (1 PIN, —)	near interior rear view mirror	28-2	
X11106 (1 PIN, —)	near interior rear view mirror	28-2	
X11209 (4 PINS, BLACK)	near RH rear wheel well	17-3	03-1
X11277 (2 PINS, BLACK)	in lift gate		
X11287 CONNECTORS SOLDERED UP	center of dash		
X11402 (3 PINS, VIOLET)	in luggage compartment lid		01-1
X11403 (3 PINS, VIOLET)	in luggage compartment lid		01-1
X13004 GROUND	behind glove box	04-1	
X13006 GROUND	in LH side of luggage compartment	05-3	
X13016 GROUND	in LH side of luggage compartment	05-2	

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X13017 (2 PINS, BLUE)	hard top		
X13025 (12 PINS, BLACK)	behind glove box	24-3	02-4
X13032 GROUND	under rear storage compartment	06-2	
X13045 (6 PINS, NATURAL)	center console		04-5
X13057 (2 PINS, BLACK)	in lift gate	37-2	
X13146 (8 PINS, BLACK)	in LH side of luggage compartment	25-3	02-1
X13233 (2 PINS, BLACK)	center of dash behind center console		
X13252 (15 PINS, BLACK)	behind glove box	38-2	05-1
X13253 (26 PINS, VIOLET)	behind glove box	38-2	00-3
X13254 (26 PINS, GREEN)	behind glove box	38-2	00-3
X13268 (3 PINS, BLACK)	in lift gate	37-2	01-1
X13287 (1 PIN, WHITE)	center of dash behind center console		
X18080 (1 PIN, BLACK)	in LH side of luggage compartment		
X18126 (17 PINS, BLACK)	center console behind radio		02-2
X18170 GROUND	below center console		03-1
X18180 (3 PINS, BLACK)	in RH rear side of luggage compartment		01-1
X18184 (1 PIN, BLACK)	RIGHT REAR SPEAKER		
X18189 (1 PIN, BLACK)	LEFT REAR SPEAKER		
X18190 (3 PINS, BLACK)	in driver's door	17-2	10-5
X18196 (10 PINS, BLACK)	LH A-pillar	16-3	02-3
X18198 (10 PINS, BLACK)	RH A-pillar	18-1	02-3
X18279 (2 PINS, GRAY)	in driver's door		

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COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X18280 (2 PINS, GRAY)	in passenger's door		
X18333 (2 PINS, BLACK)	on instrument cluster		
X18349 (8 PINS, BLACK)	center console	00-3	08-3
X18350 (6 PINS, BLACK)	RH side of LH footwell	21-2	03-6
X18363 (9 PINS, BLACK)	in LH side of luggage compartment		03-4
X18364 (9 PINS, BLACK)	in LH side of luggage compartment		03-4
X18365 (3 PINS, BLACK)	rear RH side of engine compartment in E-Box	41-2	04-3
X18516 (3 PINS, BLACK)	in passenger's door	18-3	10-5
X18518 (4 PINS, BLACK)	under RH front seat	11-1	07-1
X18520 (10 PINS, BLACK)	center console RADIO		
X18521 (10 PINS, BLACK)	RH side of luggage compartment CD CHANGER		
X18766 (9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment		03-4
X18767 (9 PINS, BLACK)	front Power Distribution Box rear LH side of engine compartment		03-4
X18983 (2 PINS, BLACK)	center of dash		
X18984 (2 PINS, BLACK)	center of dash	21-3	
X18994 (3 PINS, VIOLET)	LH footwell	20-1	01-1
X19007 (12 PINS, BLACK)	behind glove box	38-1	01-3
X19018 (2 PINS, BLACK)	behind glove box	23-2	
X19022 (3 PINS, BLACK)	under radiator	13-1	05-5
X19023 (2 PINS, BLACK)	below LH side of dash		
X19245 (8 PINS, BLACK)	center console		02-1
X19527 (16 PINS, BLACK)	center console right	28-3	08-1

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1999



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X19528 (3 PINS, NATURAL)	under rear storage compartment	07-2	02-5
X19565 (6 PINS, NATURAL)	center console	11-3	
X21111 (3 PINS, NATURAL)	center console	01-2	
X21112 (2 PINS, BLACK)	center console		
X21113 (2 PINS, BLACK)	center console		
X21114 (2 PINS, BLACK)	center console		
X23146 (2 PINS, BLACK)	in LH side of luggage compartment	25-3	
X60001 (9 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-2	01-4
X60002 (24 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-2	04-2
X60003 (52 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-2	03-2
X60004 (40 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-2	09-1
X60005 (9 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-2	01-4
X62101 (4 PINS, BLACK)	on catalytic converter	43-3	06-1
X62102 (4 PINS, BLACK)	on catalytic converter	42-2	06-1
X62201 (4 PINS, BLACK)	on catalytic converter	43-3	06-1
X62202 (4 PINS, BLACK)	on catalytic converter	42-2	06-1
X64101 (2 PINS, BLACK)	rear RH side of engine compartment in E-Box	41-2	
X64102 (2 PINS, BLACK)	rear RH side of engine compartment in E-Box	41-2	
X64192 (2 PINS, BLACK)	rear RH side of engine compartment in E-Box		
X89977 (2 PINS, BLACK)	rear RH side of engine compartment in E-Box	40-3	
X91009 (2 PINS, BLACK)	under RH front seat	11-2	
Y1w .. ABS HYDRAULIC UNIT	rear LH side of engine compartment	08-1	

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1999



COMPONENT LOCATION CHART

Z3

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1999

COMP. DESCRIPTION	LOCATION	7100.0 8500.0
Y2 AIR CONDITIONING COMPRESSOR	front RH side of engine compartment	
Y4z ... WATER VALVE	rear LH side of engine compartment	14-3
Y5 DRIVER'S SIDE MIRROR	in upper LH front door	
Y6 PASSENGER'S SIDE MIRROR	in upper RH front door	
Y19 .. SHIFT-LOCK	center console	27-2
Y6101 CYL. 1 FUEL INJECTION VALVE	on cylinder head	
Y6102 CYL. 2 FUEL INJECTION VALVE	on cylinder head	
Y6103 CYL. 3 FUEL INJECTION VALVE	on cylinder head	
Y6104 CYL. 4 FUEL INJECTION VALVE	on cylinder head	
Y6105 CYL. 5 FUEL INJECTION VALVE	on cylinder head	
Y6106 CYL. 6 FUEL INJECTION VALVE	on cylinder head	
Y6120 EVAPORATIVE EMISSION VALVE	LH side of engine compartment (Z3 VERSIONS)	44-1
Y6120 EVAPORATIVE EMISSION VALVE	LH side of engine compartment (M VERSIONS)	34-2
Y6130 IDLE SPEED CONTROL VALVE	front of engine	43-1
Y6133 AIR PUMP	rear RH side of engine compartment	31-2
Y6139 LEAKAGE DIAGNOSIS PUMP	under LH center of car	47-1
Y6163 SECONDARY AIR PUMP VALVE	LH side of engine compartment (M VERSIONS)	33-2
Y6163 SECONDARY AIR PUMP VALVE	LH side of engine compartment (Z3 VERSIONS)	44-2
Y6167 VALVE, INDIVIDUAL CONTROL INTAKE SYSTEM	LH side of engine compartment	39-3
Y6275 VARIABLE CAMSHAFT CONTROL VALVE 1	on cylinder head	31-3



COMPONENT LOCATION CHART

Z3

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
Y6275z VARIABLE CAMSHAFT CONTROL VALVE 1 (INLET)	on cylinder head	42-2	
Y6276 VARIABLE CAMSHAFT CONTROL VALVE 2 (OUTLET)	on cylinder head	47-2	
Y6550 SOLENOID VALVE ("RUNNING LOSSES")	under LH center of car	34-3	
Y8521 TRANSMISSION VALVE UNIT	on RH side of transmission	15-1	

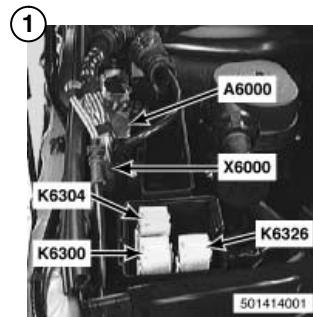
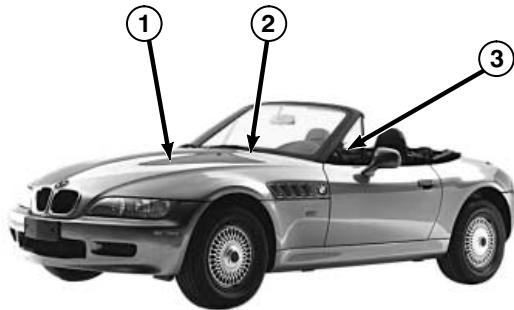
03/00

7000.0-34

1999

7100.0 COMPONENT LOCATION VIEWS

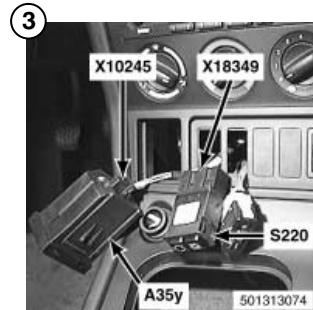
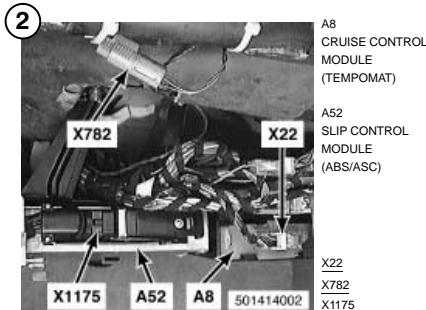
ELECTRICAL CONTROL MODULE LOCATIONS



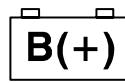
A6000 ENGINE CONTROL MODULE (DME)
K6326 UNLOADER RELAY, TERMINAL 15

K6300 ENGINE CONTROL MODULE RELAY
X6000

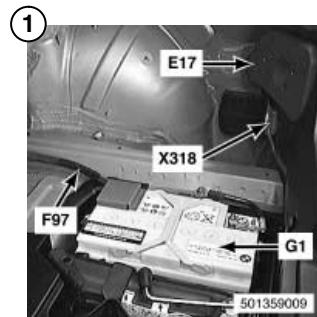
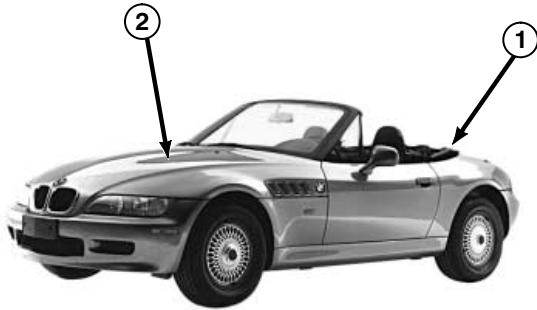
K6304 SECONDARY AIR PUMP RELAY
K6300
501414001



BMW
3
Z3



COMPONENT LOCATION VIEWS

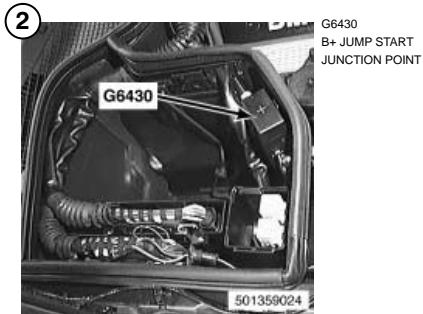


E17
RIGHT REAR LIGHT
ASSEMBLY

X318

F97
FUSIBLE LINK

G1
BATTERY

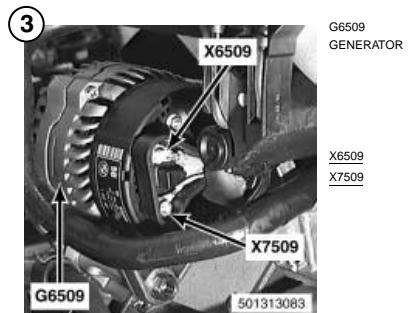
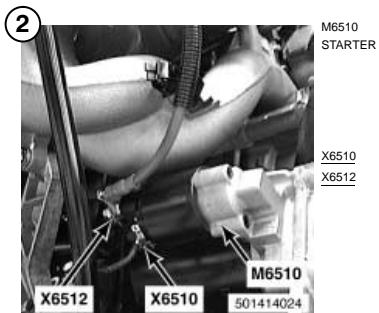
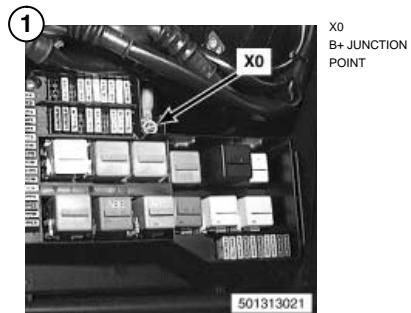
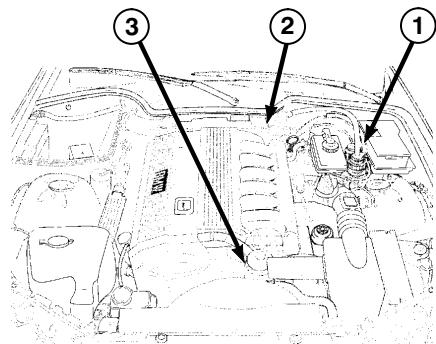
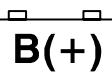


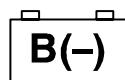
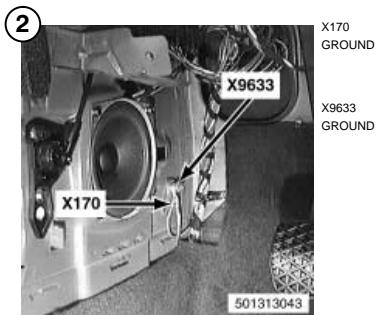
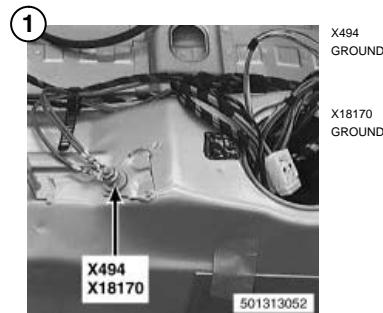
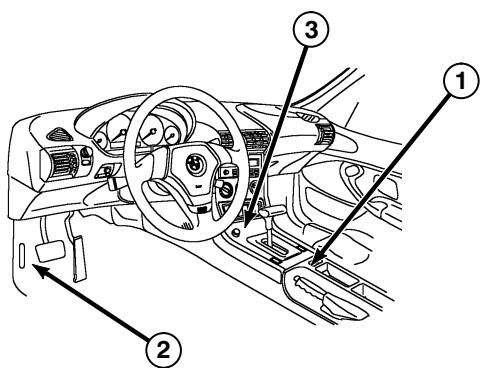
G6430
B+ JUMP START
JUNCTION POINT

03/00

7100.0-01

1999

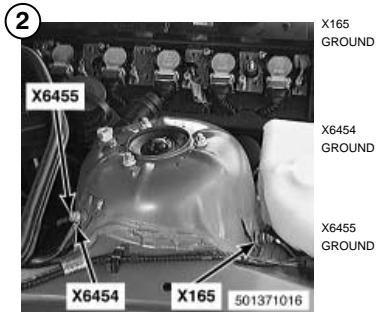
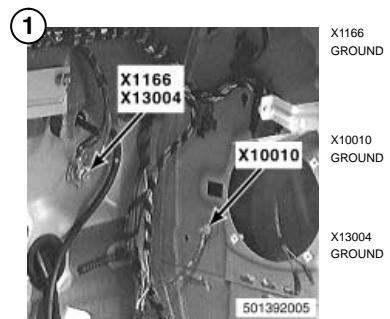
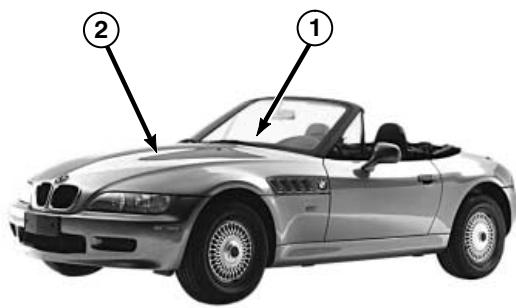


**B(-)**

BMW
3
Z3

COMPONENT LOCATION VIEWS

B(-)



03/00

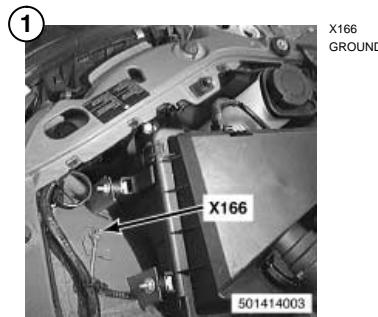
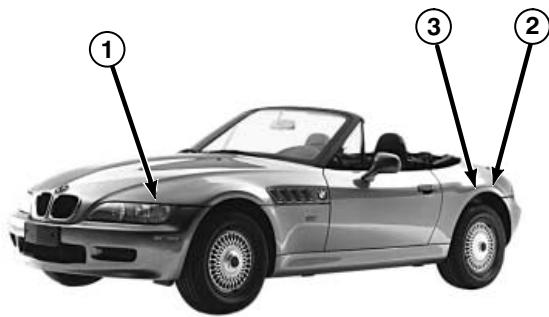
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1999

BMW
3
Z3

B(-)

COMPONENT LOCATION VIEWS



03/00

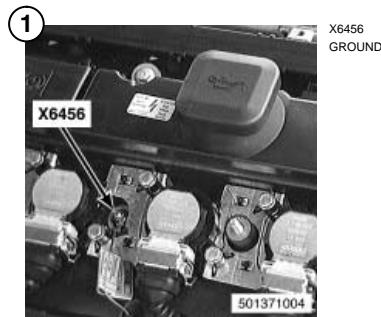
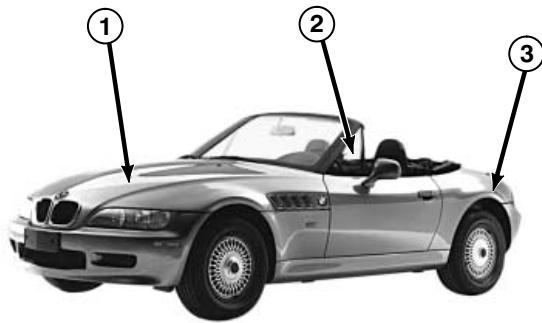
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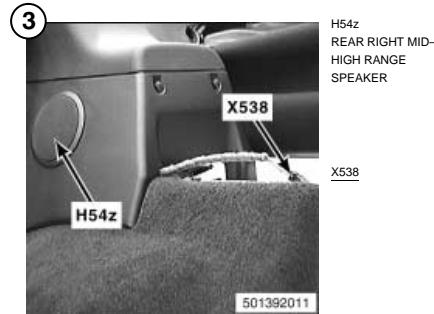
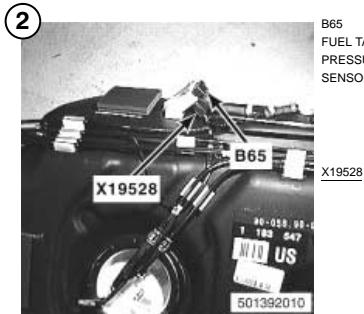
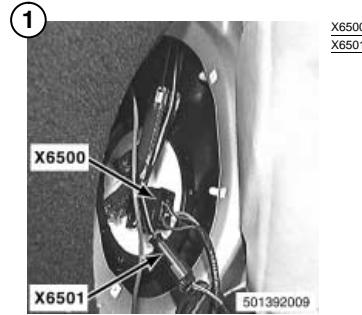
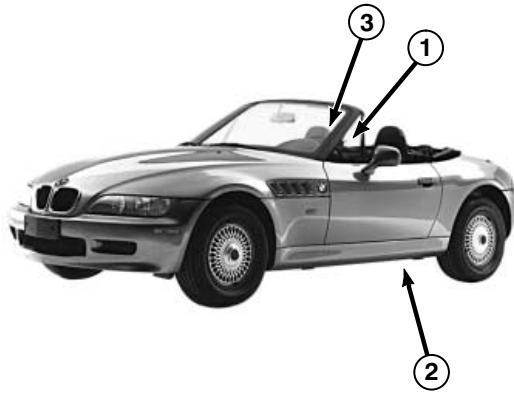
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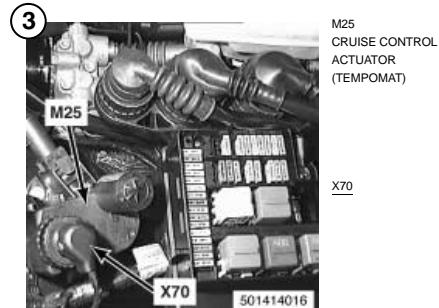
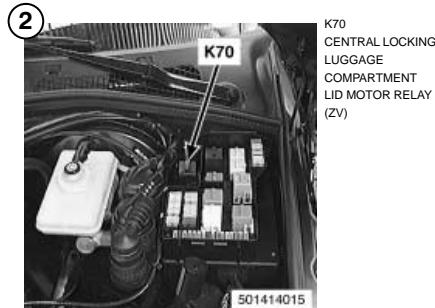
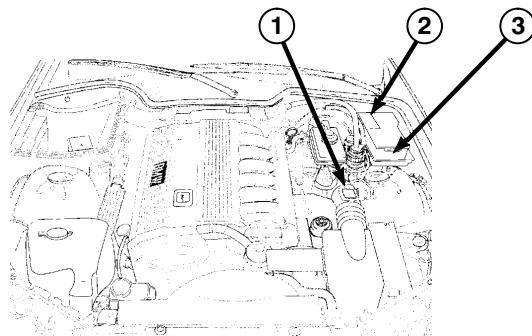
BMW
3
Z3

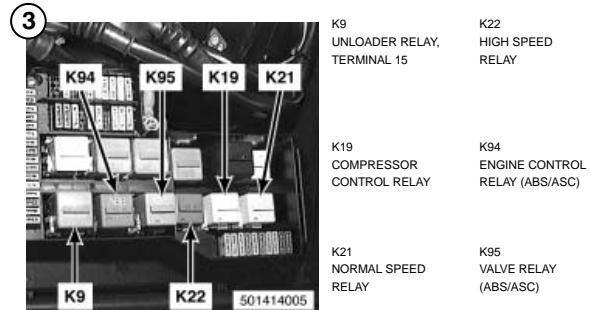
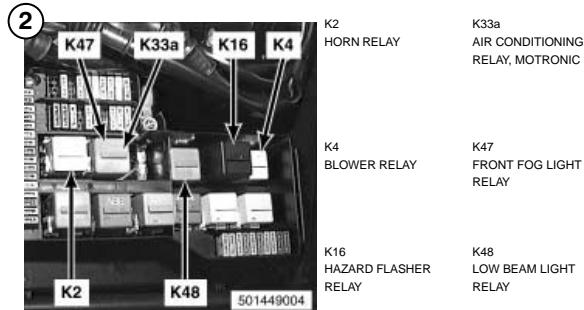
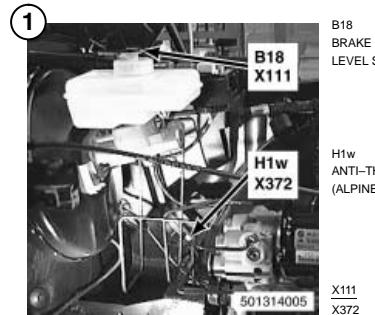
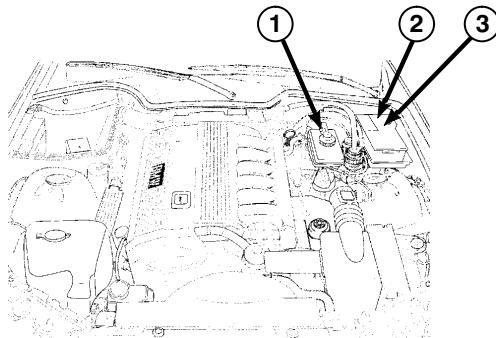
COMPONENT LOCATION VIEWS

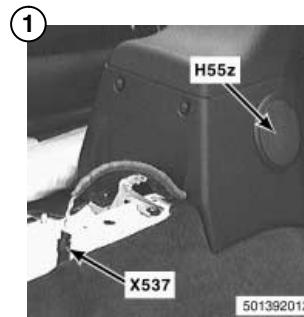
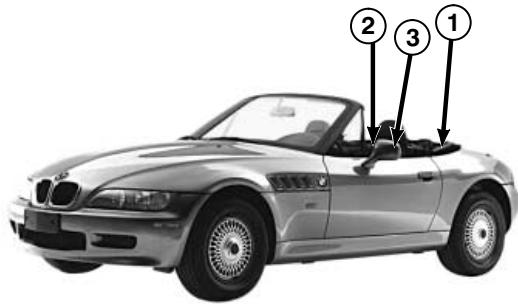
B(-)



COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

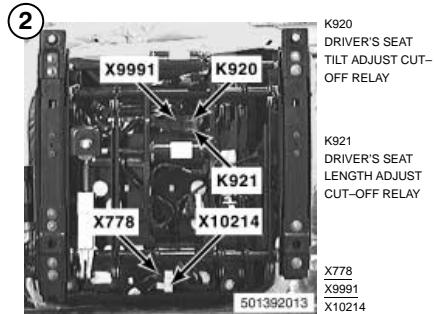
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

H55z
REAR LEFT MID-HIGH RANGE SPEAKER

X537

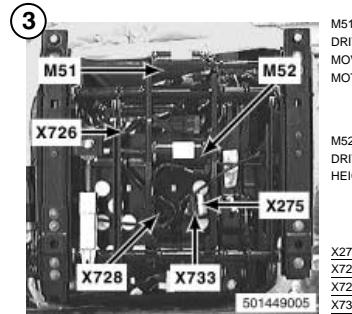
501392012



K920
DRIVER'S SEAT
TILT ADJUST CUT-OFF RELAY

K921
DRIVER'S SEAT
LENGTH ADJUST
CUT-OFF RELAY

X778
X9991
X10214
501392013
X10214



M51
DRIVER'S SEAT
MOVEMENT
MOTOR

M52
DRIVER'S SEAT
HEIGHT MOTOR

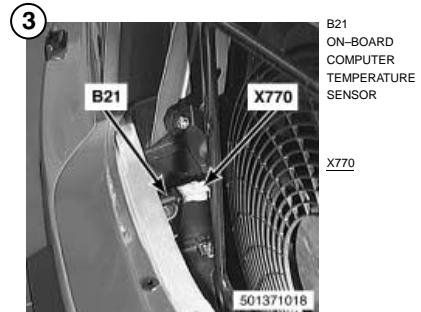
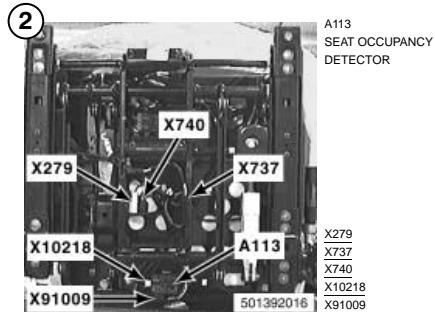
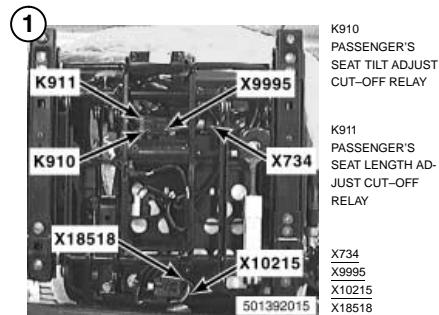
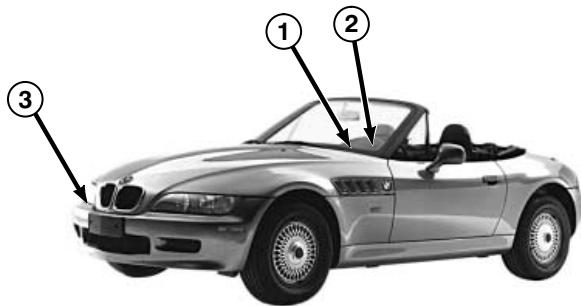
X275
X726
X728
X733
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X733

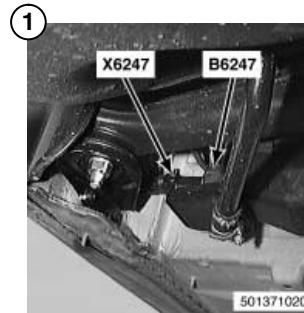
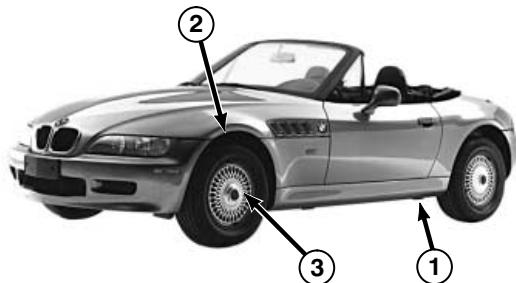
COMPONENT LOCATION VIEWS

03/00

- 7100.0-11

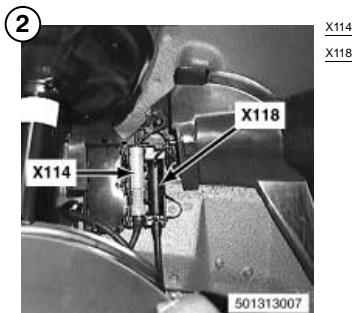
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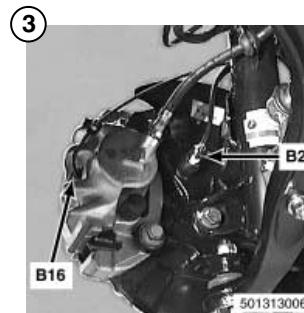


B6247
CHARCOAL FILTER
SHUT-OFF VALVE

X6247

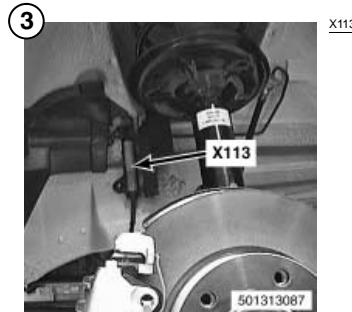
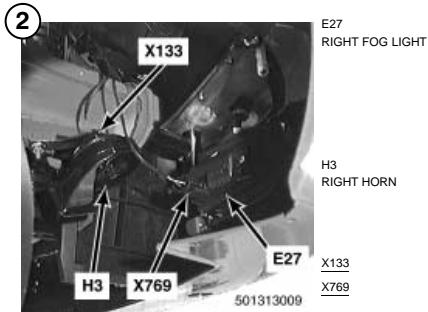
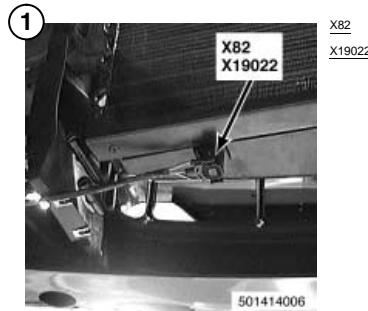
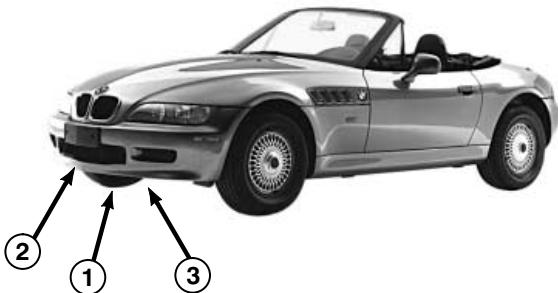


X114
X118

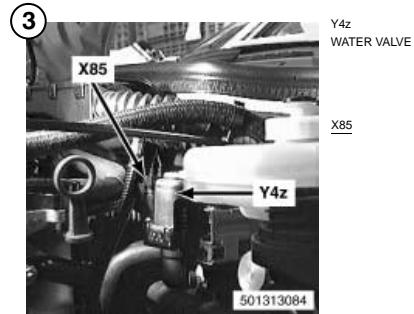
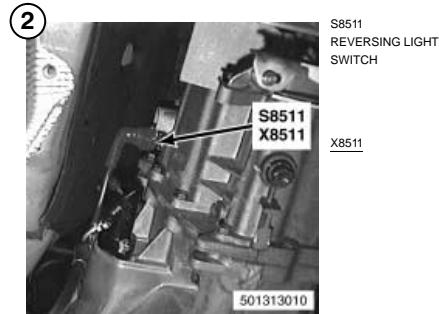
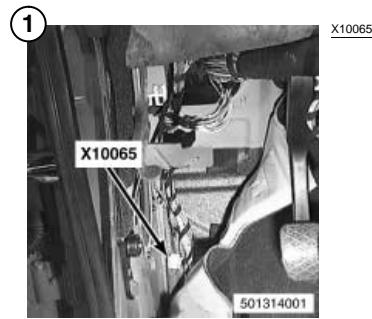
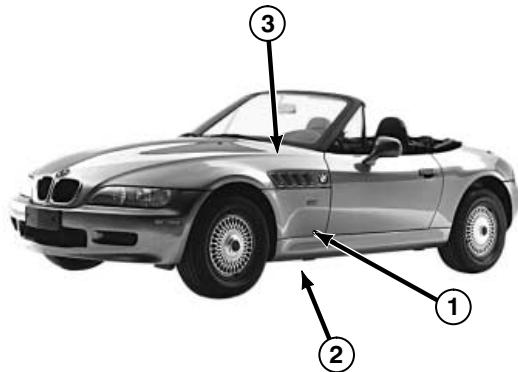


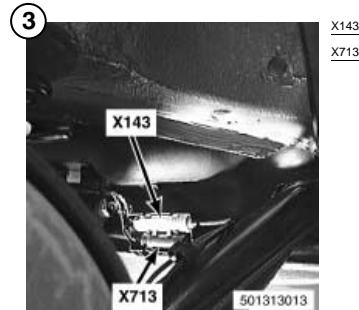
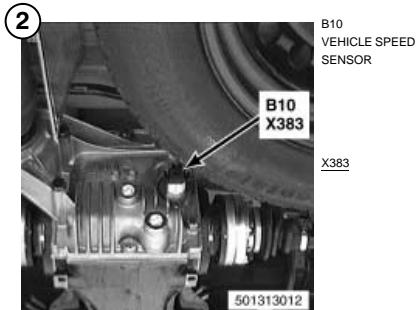
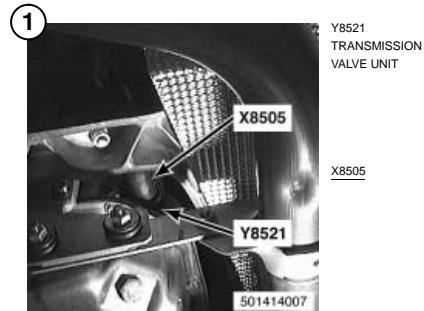
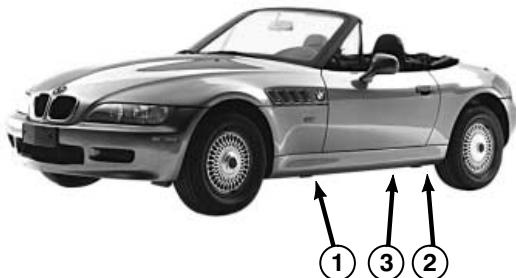
B2
LEFT FRONT
SPEED SENSOR -
ABS

B16
LEFT FRONT
BRAKE PAD
SENSOR

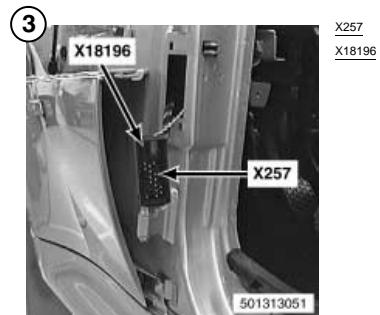
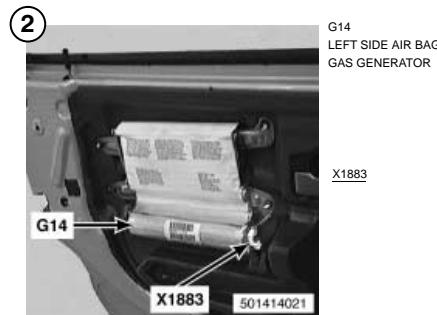
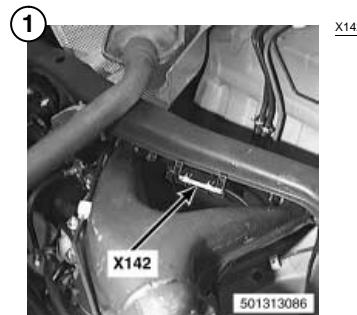
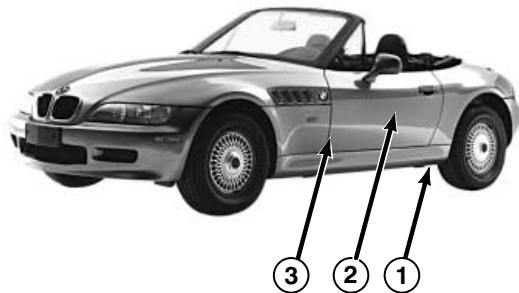


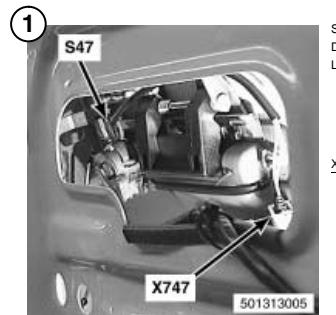
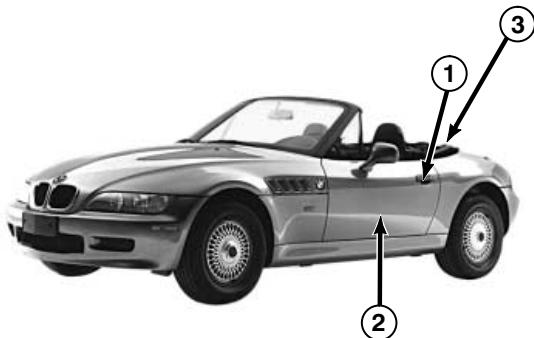
COMPONENT LOCATION VIEWS



COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

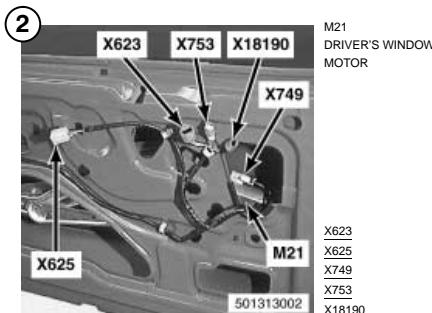


COMPONENT LOCATION VIEWS

S47
DRIVER'S DOOR
LOCK SWITCH

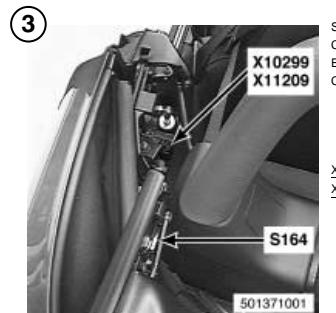
X747

501313005



M21
DRIVER'S WINDOW
MOTOR

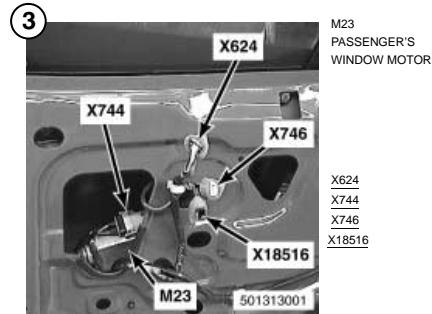
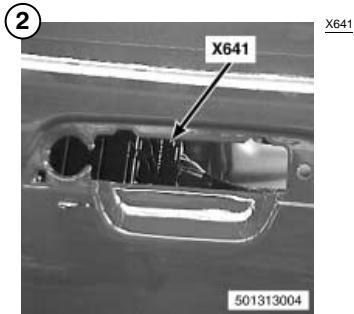
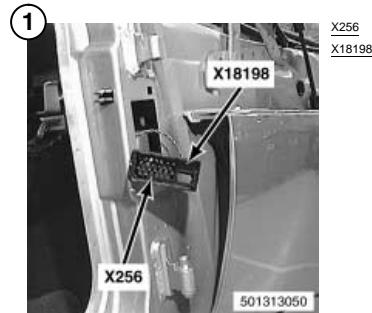
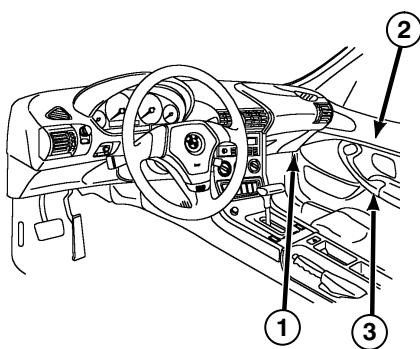
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X625
X749
X753
X18190

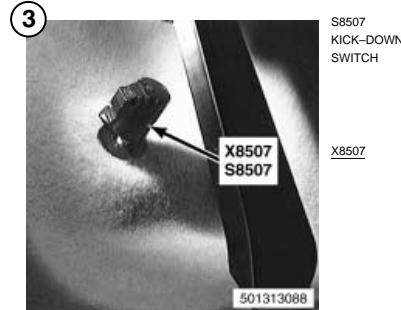
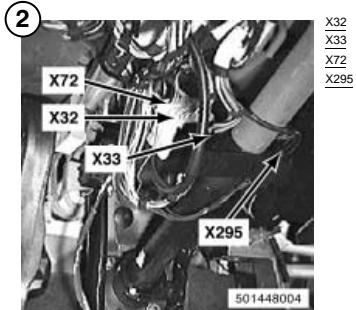
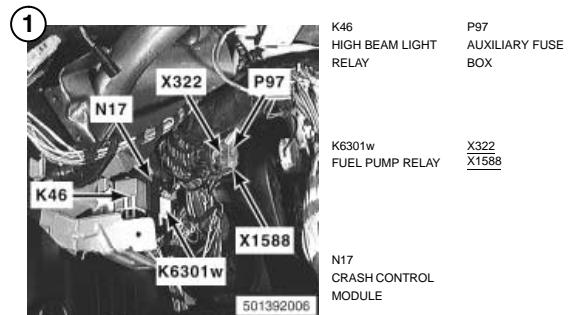
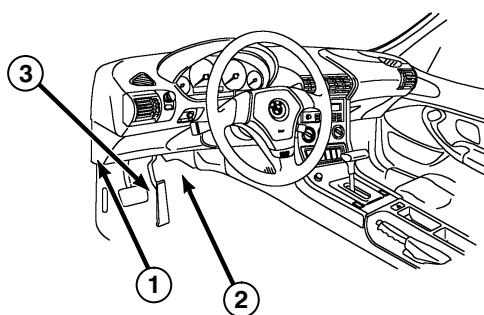


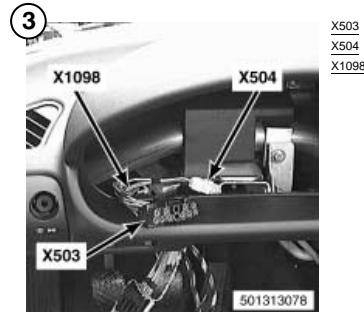
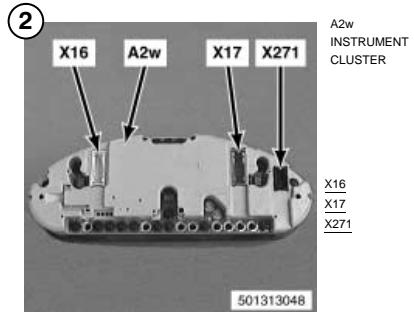
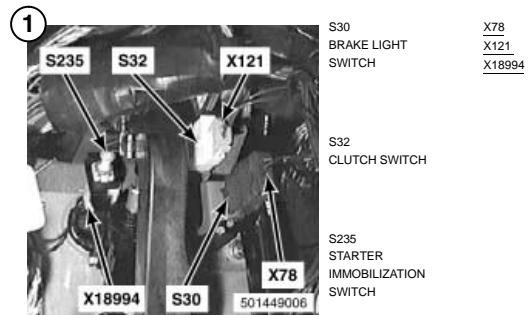
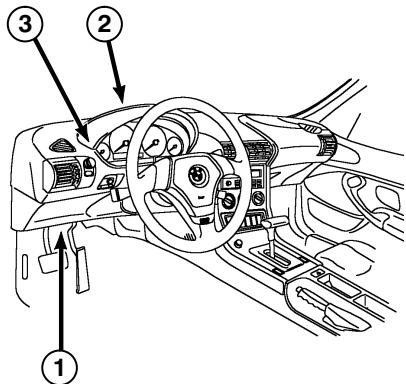
S164
CONVERTIBLE TOP
END-POSITION MI-
CRO SWITCH

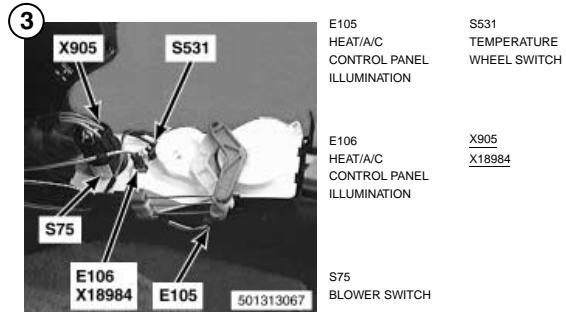
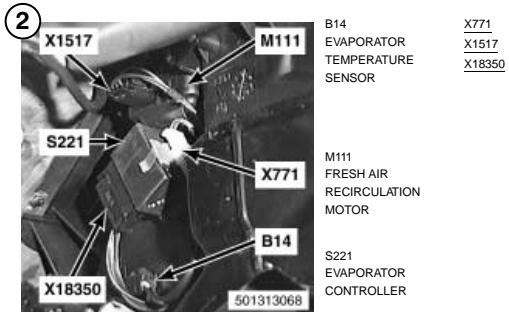
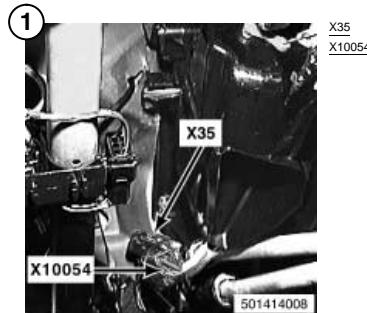
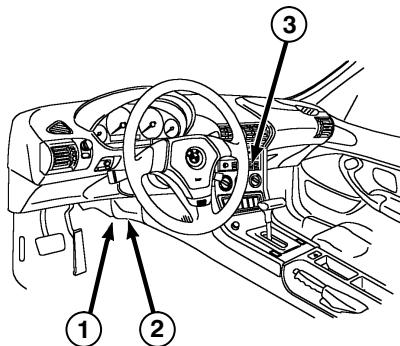
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X11209

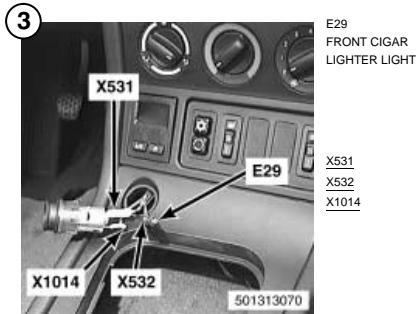
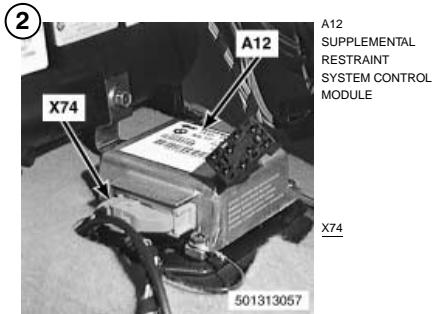
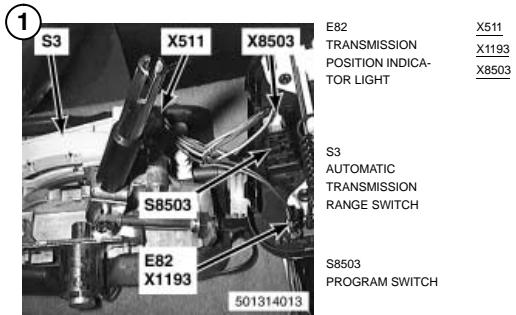
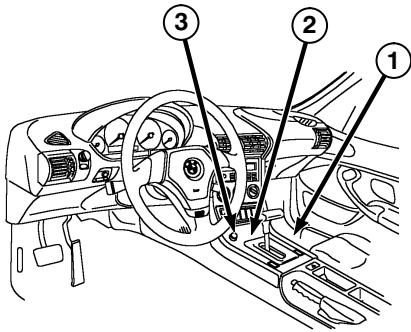
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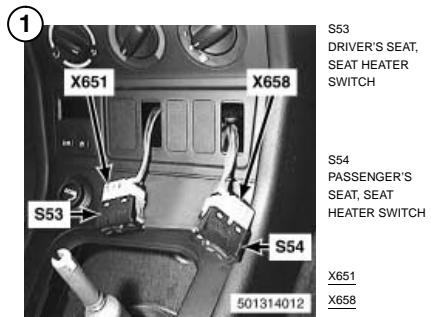
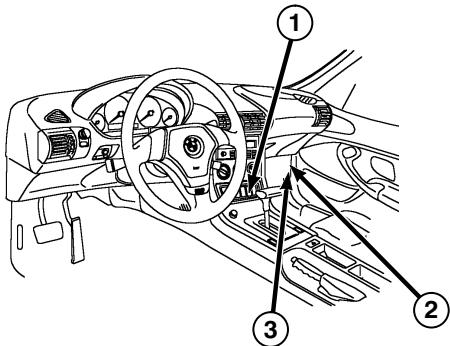
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

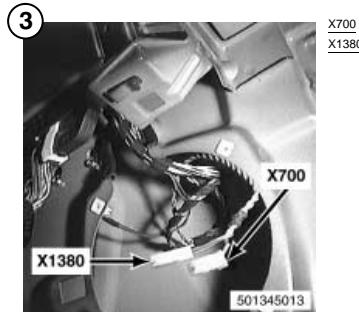
S53
DRIVER'S SEAT,
SEAT HEATER
SWITCH

S54
PASSENGER'S
SEAT, SEAT
HEATER SWITCH

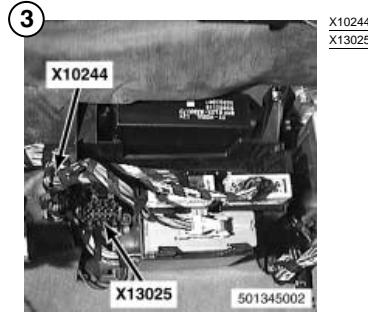
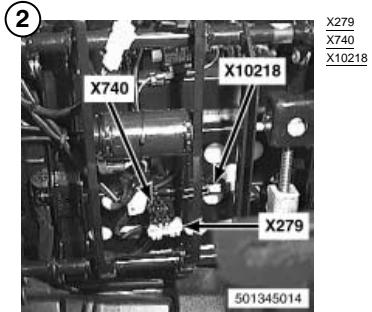
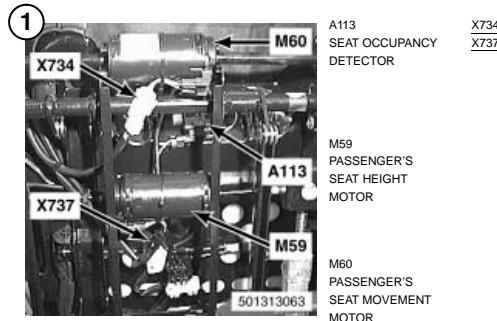
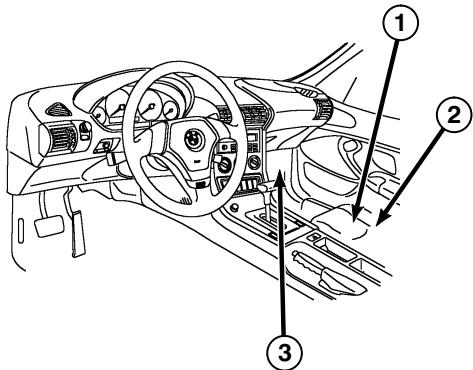
X651
X658



2



3

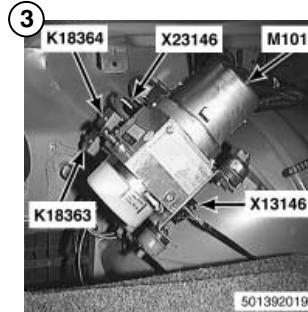
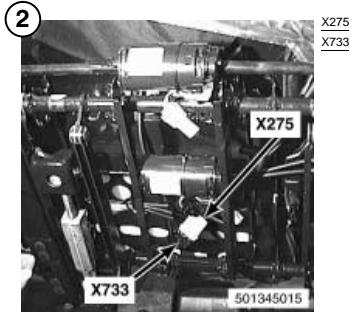
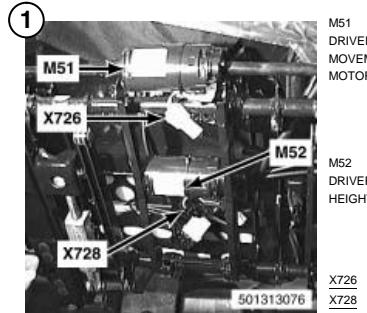
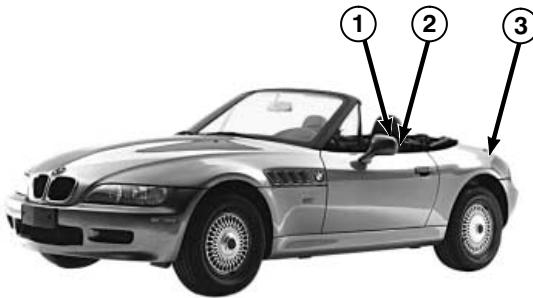
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

03/00

7100.0-25

1999

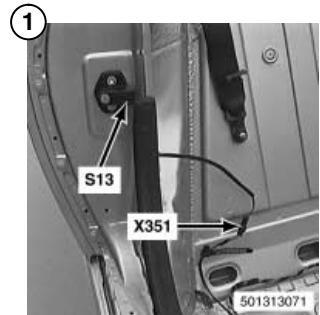
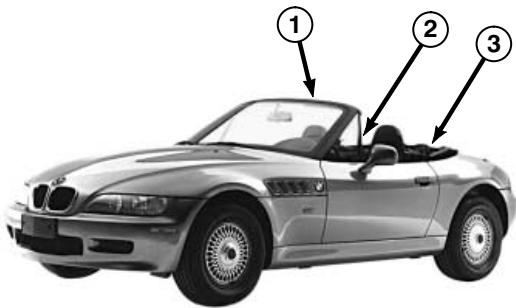


COMPONENT LOCATION VIEWS

03/00

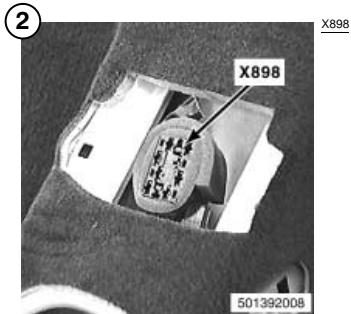
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1999



S13
PASSENGER'S
DOOR JAMB
SWITCH

X351

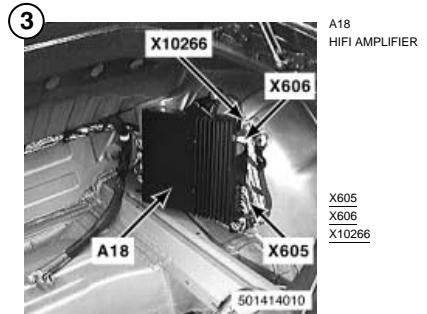
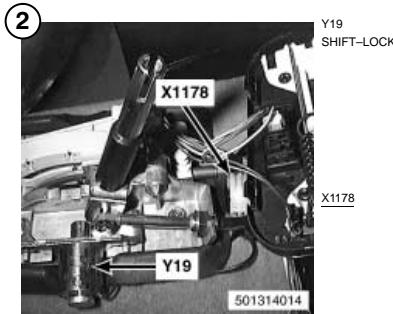
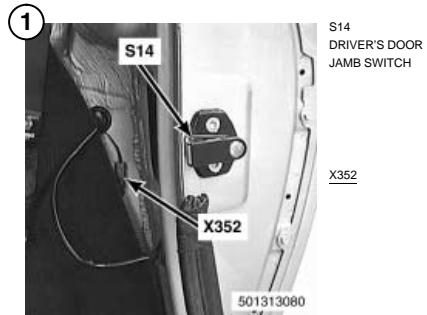


X898



X1715
X10246

501414009

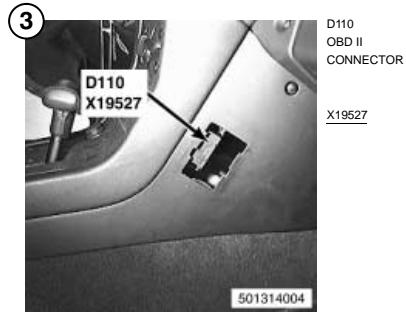
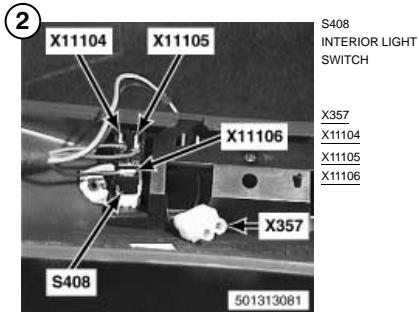
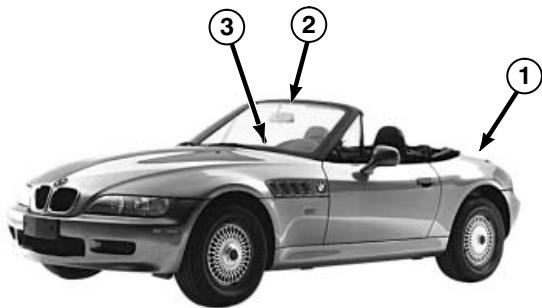
COMPONENT LOCATION VIEWS

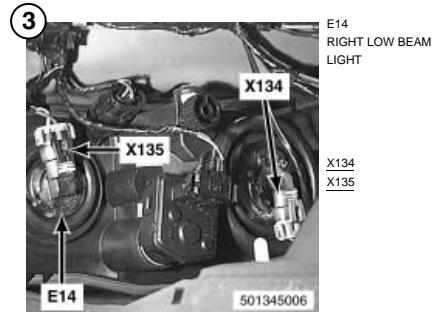
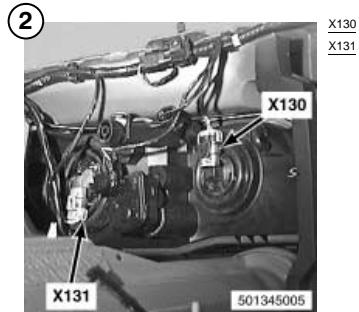
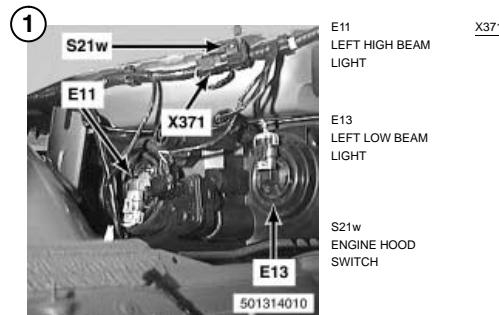
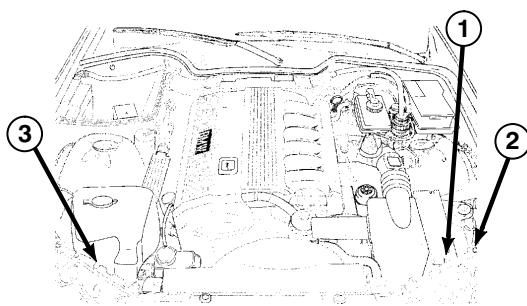
COMPONENT LOCATION VIEWS

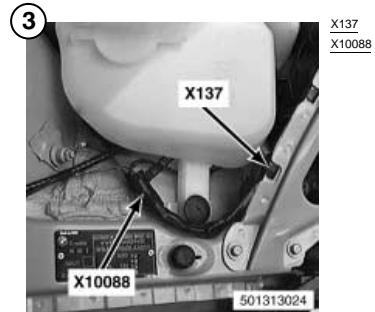
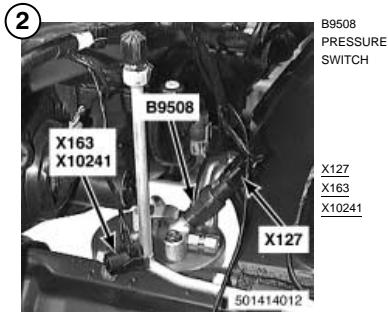
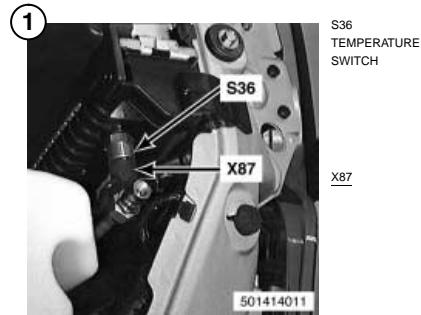
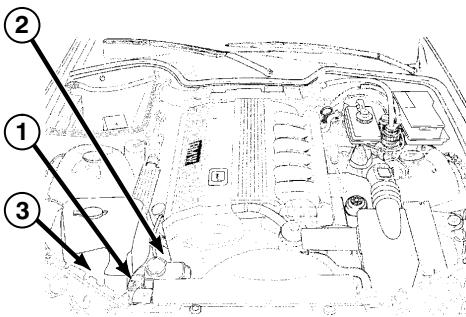
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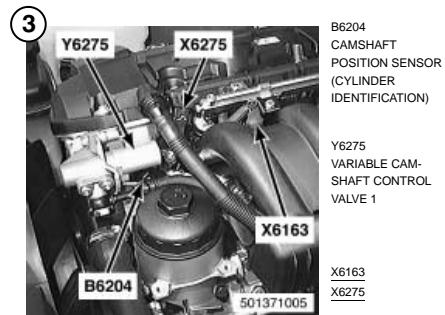
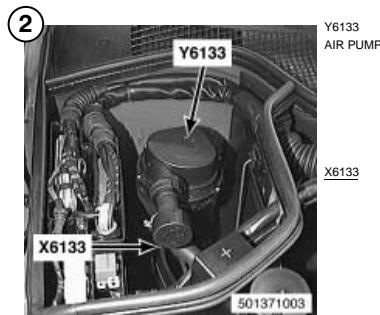
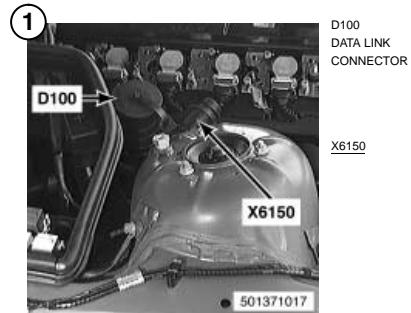
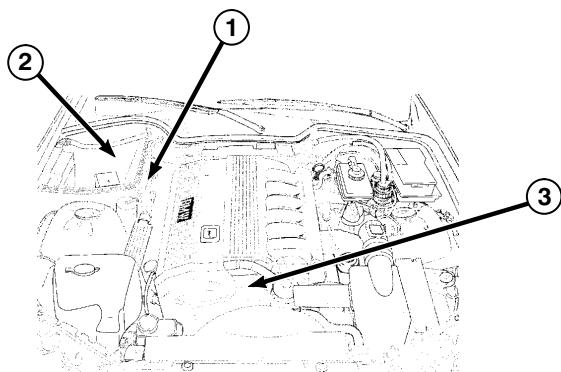
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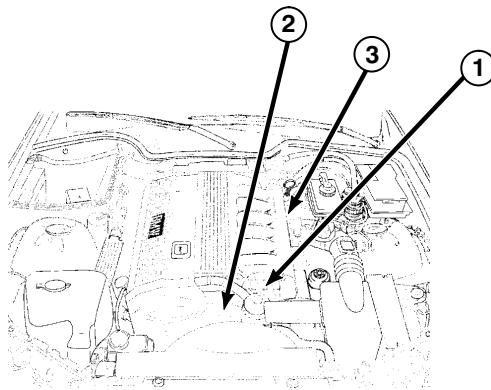
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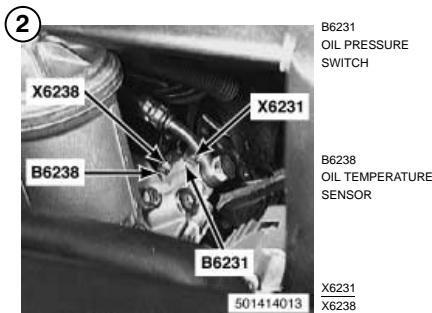
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

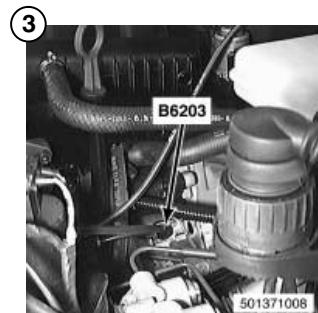
B6256
DUAL
TEMPERATURE
SENSOR
(COOLANT
TEMPERATURE)



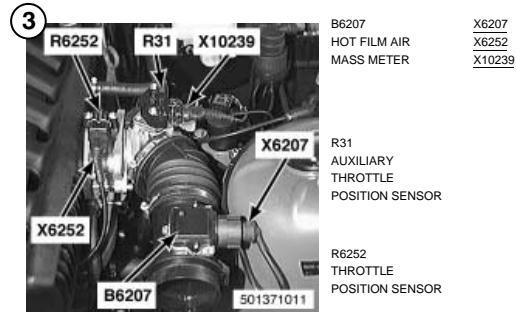
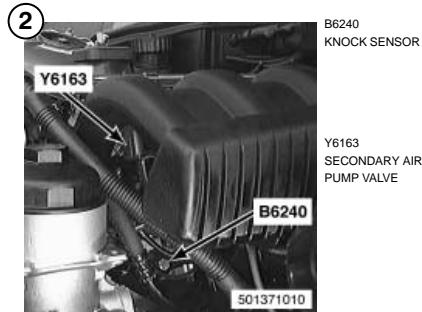
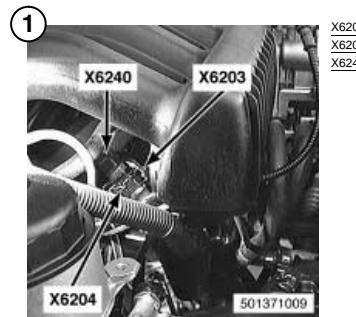
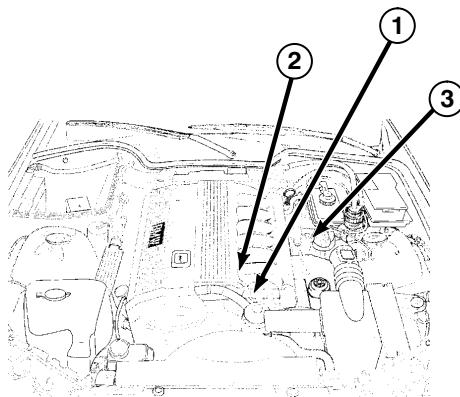
B6231
OIL PRESSURE
SWITCH

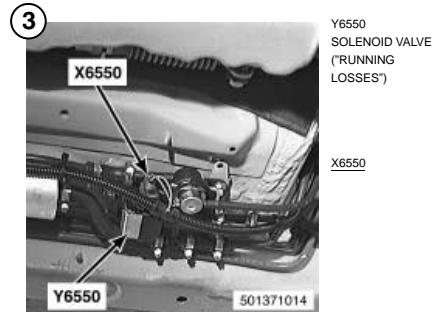
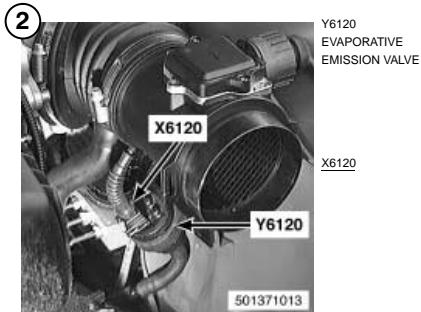
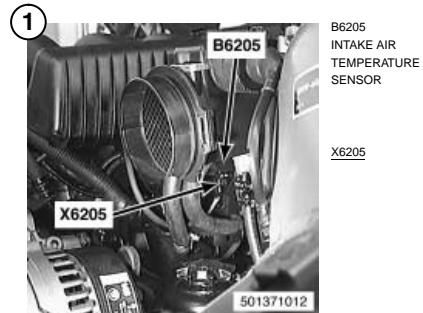
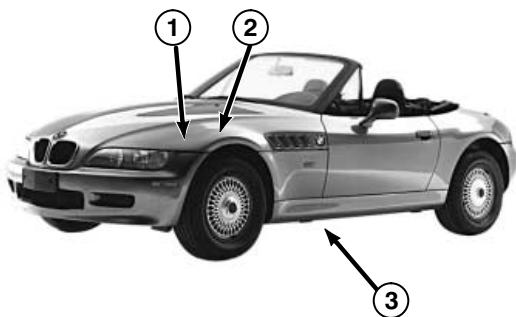
B6238
OIL TEMPERATURE
SENSOR

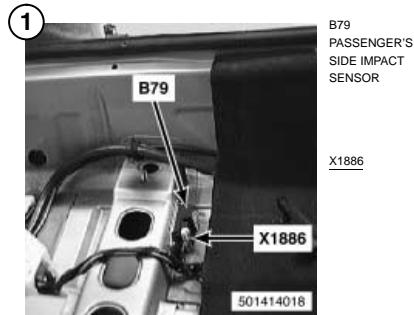
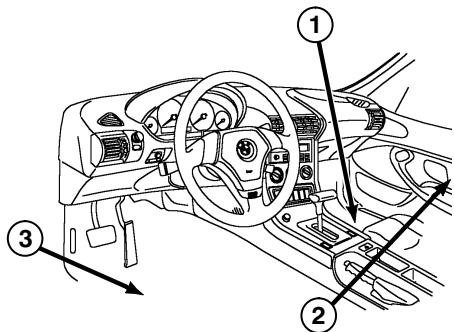
X6231
X6238



B6203
CRANKSHAFT
POSITION/RPM
SENSOR

COMPONENT LOCATION VIEWS

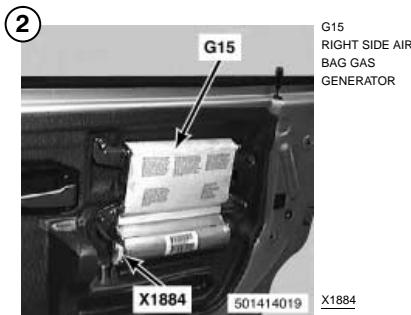
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

B79
PASSENGER'S
SIDE IMPACT
SENSOR

X1886

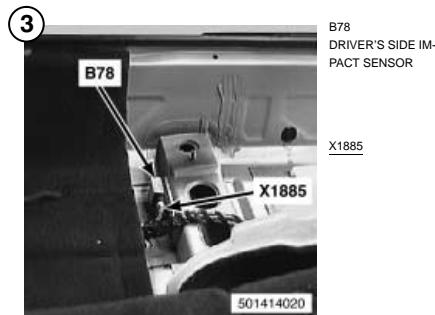
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G15
RIGHT SIDE AIR
BAG GAS
GENERATOR

X1884

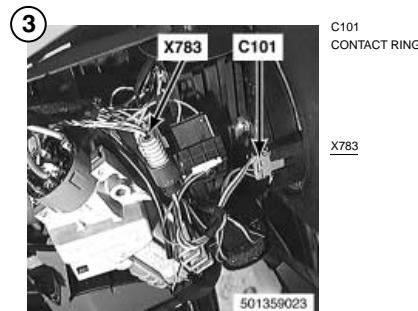
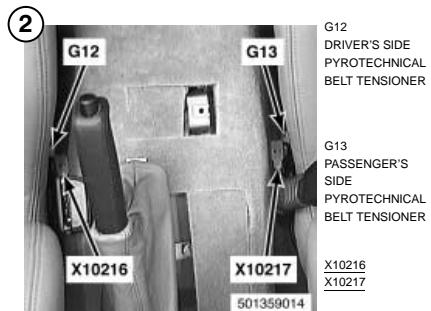
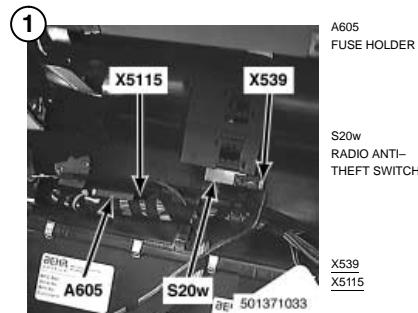
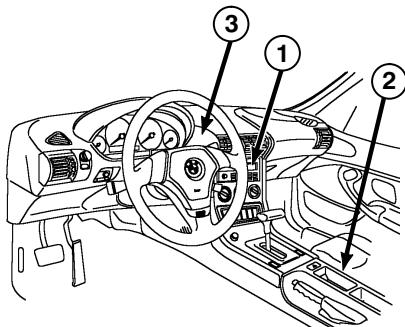
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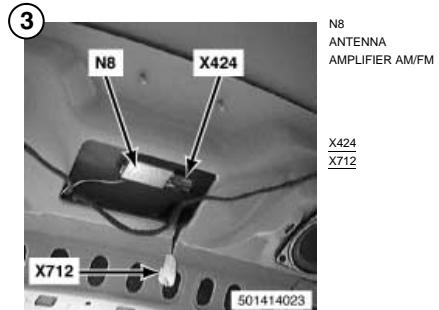
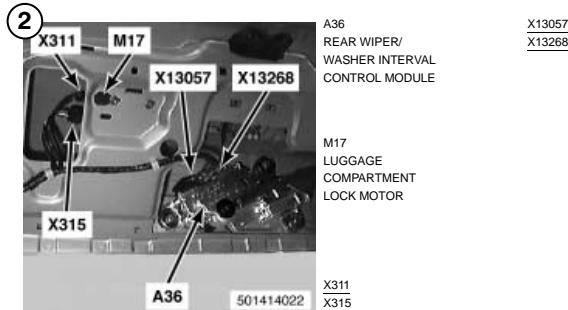
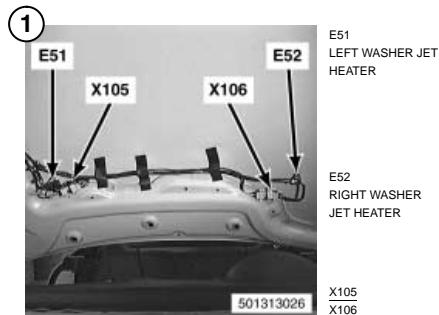
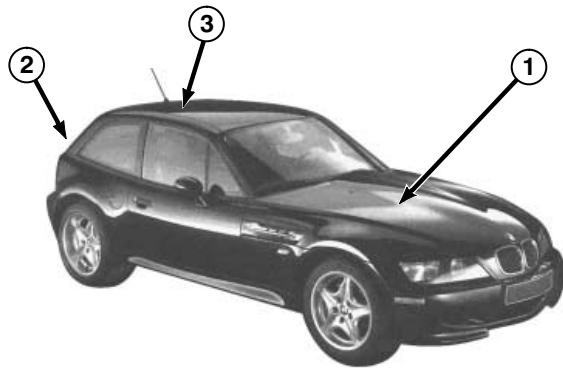


B78
DRIVER'S SIDE IM-
PACT SENSOR

X1885

501414020

COMPONENT LOCATION VIEWS

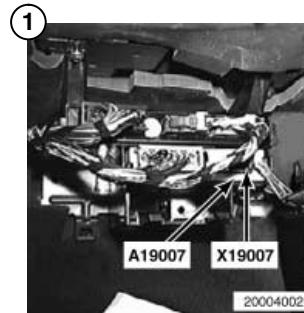
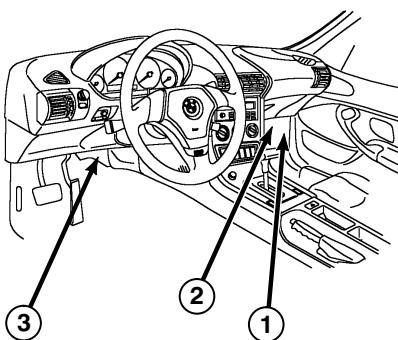
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

03/00

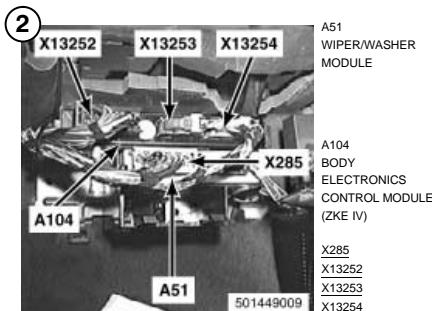
7100.0-38

1999



A19007
THERMAL OIL
LEVEL SENSOR
(TOENS) CONTROL
MODULE

X19007

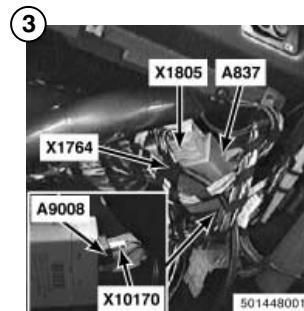


A51
WIPER/WASHER
MODULE

A104
BODY
ELECTRONICS
CONTROL MODULE
(ZKE IV)

X285
X13252
X13253
X13254

501449009

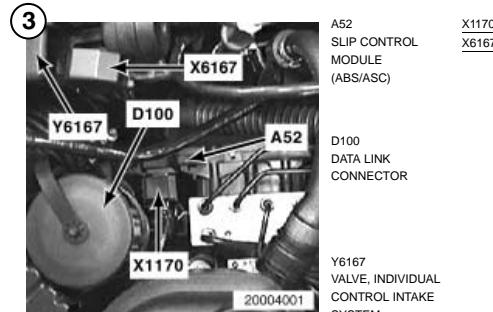
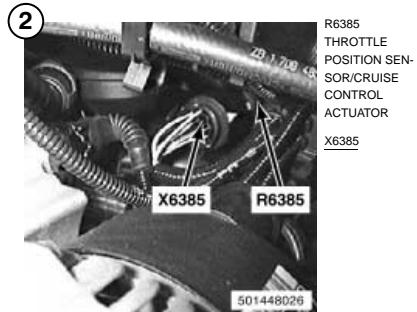
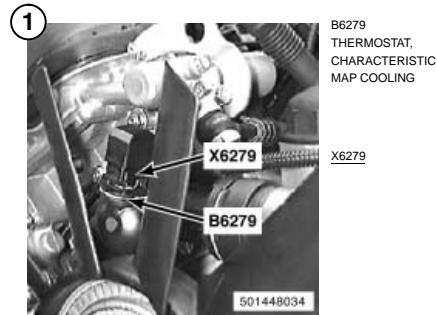
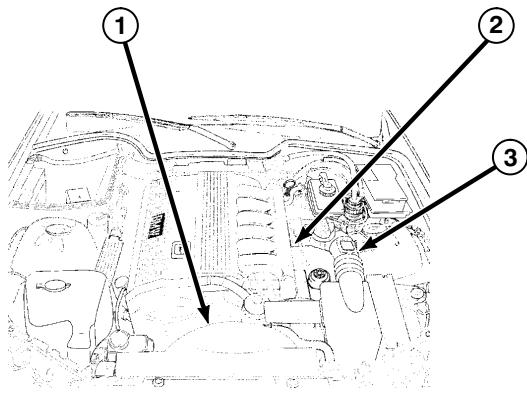


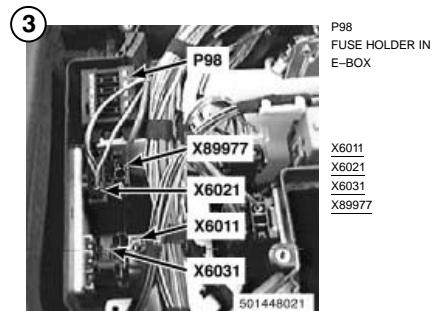
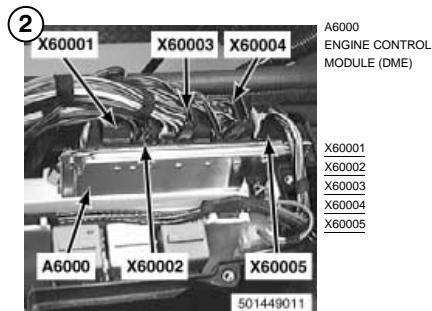
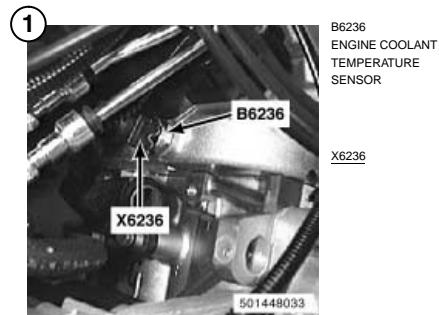
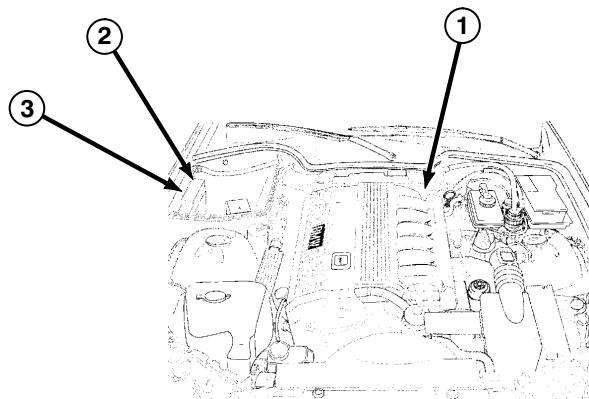
A837
ELECTRONIC
IMMOBILIZER
CONTROL MODULE
(EWS III)

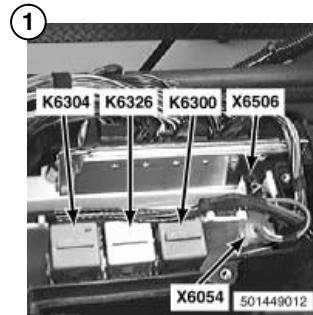
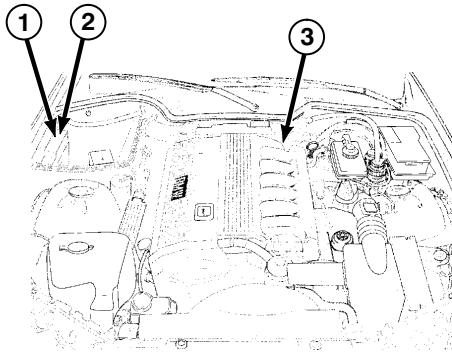
A9008
CRUISE CONTROL
INTERFACE

X1764
X1805
X10170

501448001

COMPONENT LOCATION VIEWS

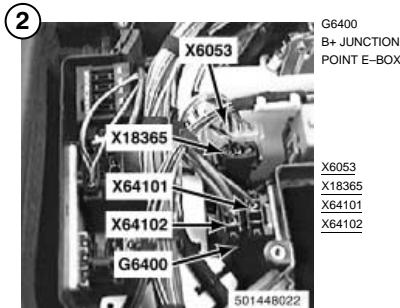
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

K6300
ENGINE CONTROL
MODULE RELAY
X6054
X6506

K6304
SECONDARY AIR
PUMP RELAY

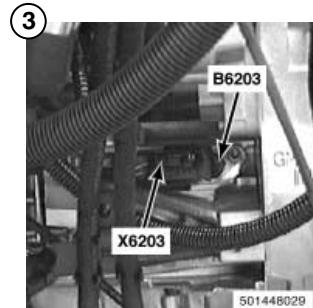
K6326
UNLOADER RELAY,
TERMINAL 15



G6400
B+ JUNCTION
POINT E-BOX

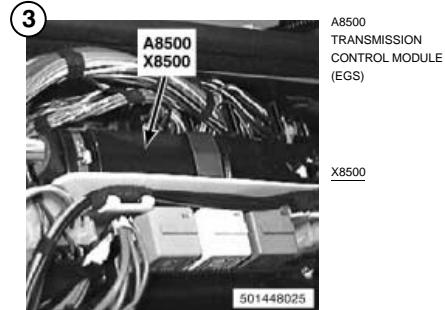
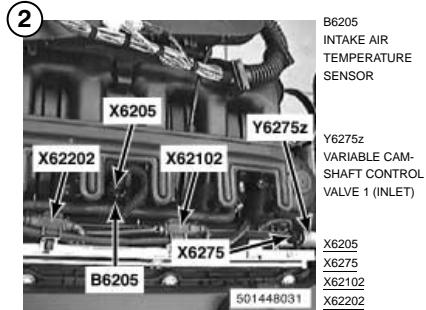
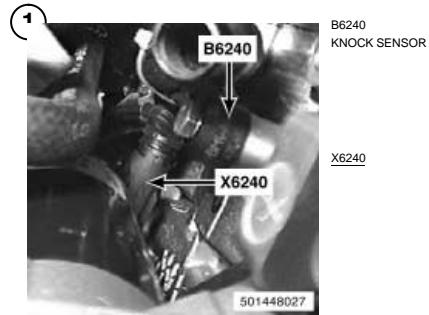
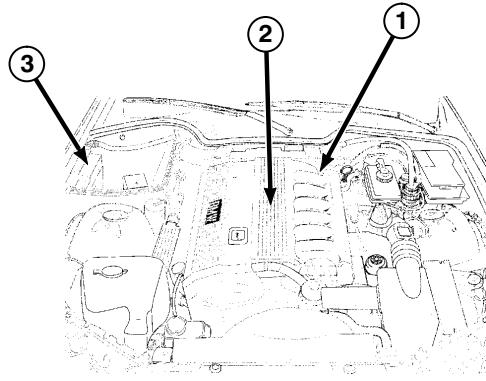
X6053
X18365
X64101
X64102

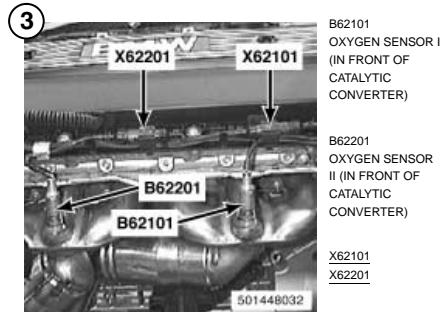
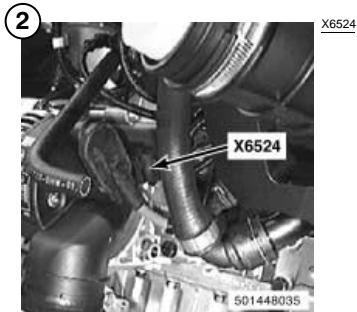
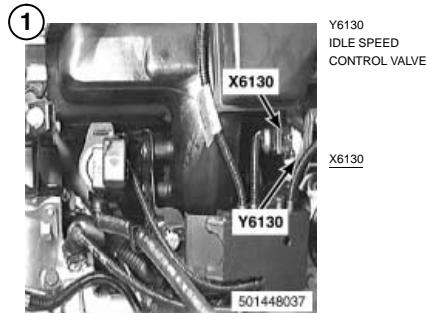
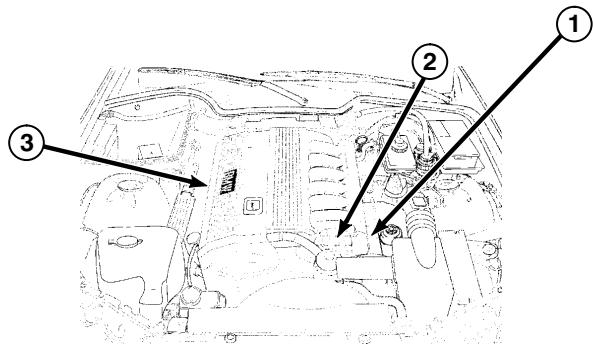
G6400

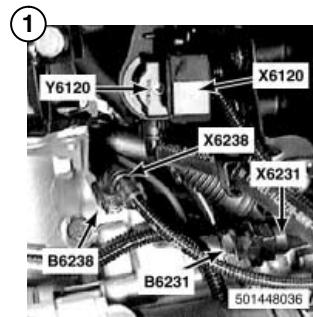
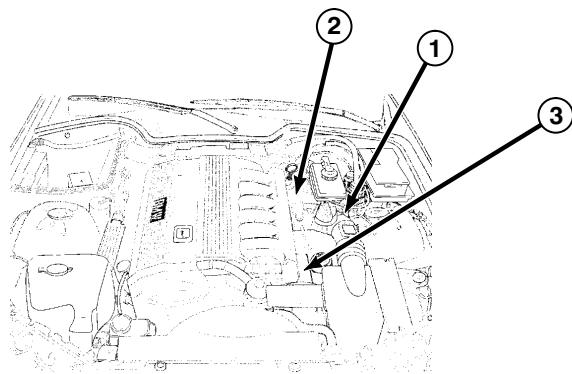


B6203
CRANKSHAFT
POSITION/RPM
SENSOR

X6203

COMPONENT LOCATION VIEWS

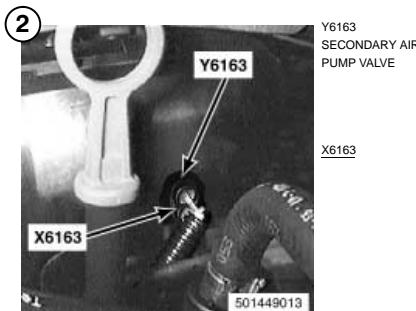
COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

B6231 OIL PRESSURE SWITCH
X6120
X6231
X6238

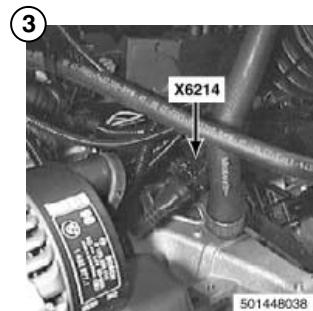
B6238 OIL TEMPERATURE SENSOR

Y6120 EVAPORATIVE EMISSION VALVE
501448036

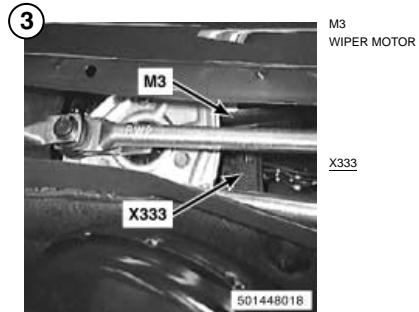
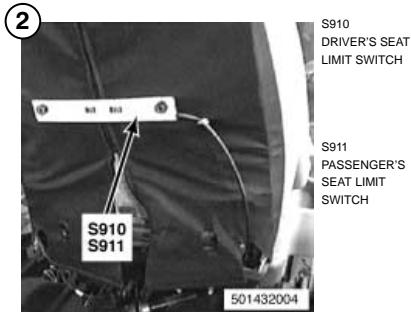
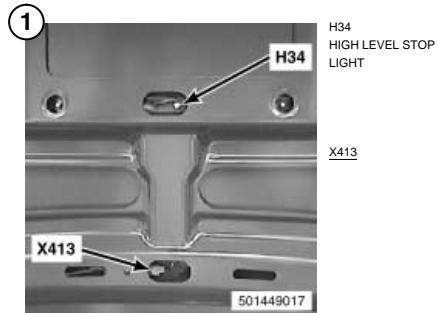
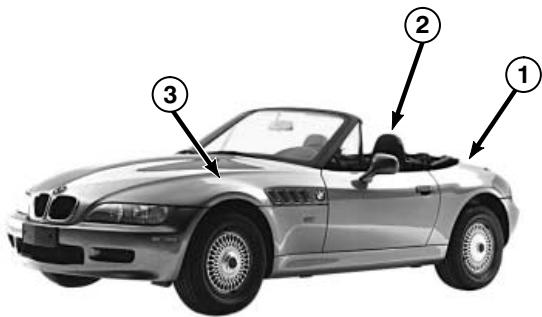


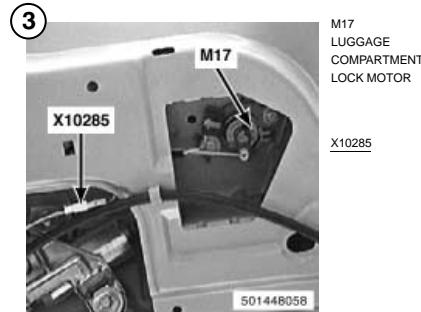
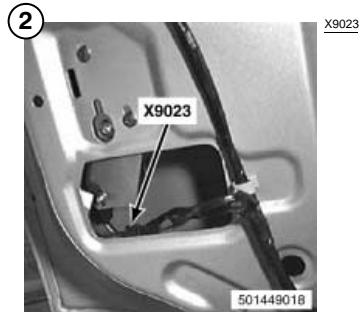
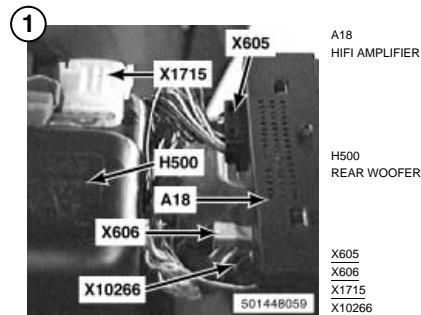
Y6163
SECONDARY AIR PUMP VALVE

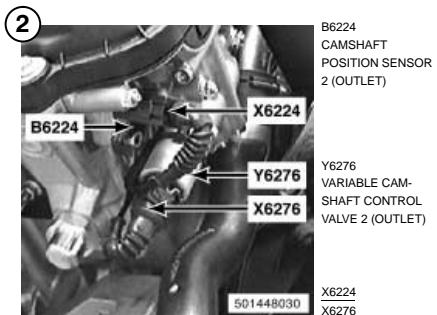
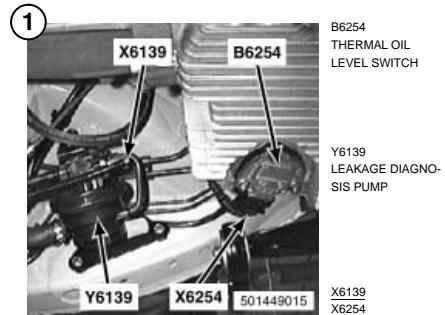
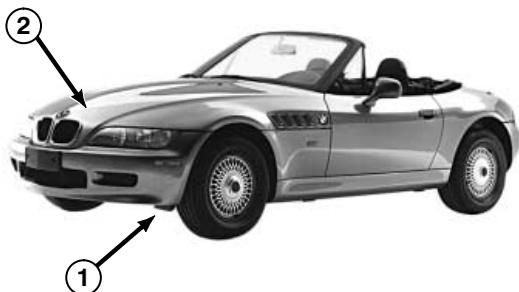
X6163



X6214

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS

COMPONENT LOCATION VIEWS



8000.0 SPLICE LOCATION VIEWS

Z3

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X181–X185	BODY	8000.0-03	X849–X851	DRIVER'S DOOR	8000.0-04
X188	BODY	8000.0-04	X876–X877	RADIO/HIFI/CD	NOT SHOWN
X189	IHKS	NOT SHOWN	X878–X888	BODY	8000.0-03
X191–X197	BODY	8000.0-04	X942	PASSENGER'S DOOR	8000.0-04
X203	BODY	8000.0-03	X985	IHKS	NOT SHOWN
X213	BODY	8000.0-04	X1015–X1019	BODY	8000.0-03
X216–X223	BODY	8000.0-03	X1022–X1027	BODY	8000.0-03
X245–X246	BODY	8000.0-03	X1028–X1029	BODY	8000.0-04
X276	BODY	8000.0-03	X1036–X1047	BODY	8000.0-03
X443	BODY	8000.0-03	X1055	BODY	8000.0-04
X445	BODY	8000.0-03	X1066–X1076	BODY	8000.0-03
X449	BODY	8000.0-04	X1079	BODY	8000.0-04
X450	BODY	8000.0-03	X1091	BODY	8000.0-04
X453–X465	BODY	8000.0-04	X1100–X1115	BODY	8000.0-03
X470	BODY	8000.0-03	X1152–X1164	BODY	8000.0-03
X530	BODY	8000.0-03	X1168–X1169	BODY	8000.0-03
X576–X595	BODY	8000.0-03	X1182	BODY	8000.0-04
X697–X699	BODY	8000.0-03	X1186	BODY	8000.0-03
X704	CONSOLE INSTRUMENTS ..	NOT SHOWN	X1214	BODY	8000.0-03
X805	BODY	8000.0-04	X1225	BODY	8000.0-04
X806	BODY	8000.0-03	X1234–X1235	BODY	8000.0-04
X814–X818	IHKS	NOT SHOWN	X1236	BODY	8000.0-03
X824–X830	RADIO/HIFI/CD	NOT SHOWN	X1258	BODY	8000.0-03



SPLICE LOCATION VIEWS

Z3

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X1263	BODY	8000.0-04	X6832–X6836	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X1264	BODY	8000.0-03	X6863–X6868	S52 ENGINE (M VERSIONS)	8000.0-06
X1280	BODY	8000.0-03	X6900	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X1429–X1435	IHKS	NOT SHOWN	X6960–X6965	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X1608	BODY	8000.0-04	X8000–X8015	S52 ENGINE (M VERSIONS)	8000.0-06
X1610–X1616	BODY	8000.0-03	X8038–X8051	S52 ENGINE (M VERSIONS)	8000.0-06
X1617–X1618	BODY	8000.0-04	X8071–X8074	S52 ENGINE (M VERSIONS)	8000.0-06
X1620–X1625	BODY	8000.0-03	X8073	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X1682	BODY	8000.0-03	X8103	S52 ENGINE (M VERSIONS)	8000.0-06
X1683–X1894	BODY	8000.0-03	X8564–X8565	M52 ENGINE (Z3 VERSIONS)	8000.0-05
X1893–X1894	BODY	8000.0-03	X9454	BODY	8000.0-03
X2233	BODY	8000.0-03	X9806	CONSOLE INSTRUMENTS	NOT SHOWN
X6411–X6415	S52 ENGINE (M VERSIONS)	8000.0-06	X9992–X9993	DRIVER'S SEAT	NOT SHOWN
X6420	S52 ENGINE (M VERSIONS)	8000.0-06	X9996–X9997	PASSENGER'S SEAT	NOT SHOWN
X6458	M52 ENGINE (Z3 VERSIONS)	8000.0-05	X10008	BODY	8000.0-03
X6458–X6460	S52 ENGINE (M VERSIONS)	8000.0-06	X10009	BODY (Z3 VERSIONS)	8000.0-03
X6460	M52 ENGINE (Z3 VERSIONS)	8000.0-05	X10009	BODY (M VERSIONS)	8000.0-04
X6475	S52 ENGINE (M VERSIONS)	8000.0-06	X10014–X10048	BODY	8000.0-03
X6492	S52 ENGINE (M VERSIONS)	8000.0-06	X10064	BODY	8000.0-04
X6810	S52 ENGINE (M VERSIONS)	8000.0-06	X10126	BODY	8000.0-03
X6820–X6822	S52 ENGINE (M VERSIONS)	8000.0-06	X10189	BODY	8000.0-03
X6830–X6835	S52 ENGINE (M VERSIONS)	8000.0-06	X10464	RADIO/HIFI	NOT SHOWN
X6849	S52 ENGINE (M VERSIONS)	8000.0-06	X10468–X10469	BODY	8000.0-03



SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER
X11212	BODY	8000.0-03
X11264	BODY	8000.0-03
X11291	BODY	8000.0-04
X11337–X11353	BODY	8000.0-03
X11355	BODY	8000.0-04
X11357	BODY	8000.0-03
X13007	BODY	8000.0-03
X13011–X13047	BODY	8000.0-04
X13134	BODY	8000.0-03
X13304	BODY	8000.0-04
X13281	BODY	8000.0-03
X18061	BODY	8000.0-03
X18510	BODY	8000.0-03
X19513	RADIO/HIFI/CD	NOT SHOWN
X19525–X19526	BODY	8000.0-03
X64109	BODY	8000.0-03
X64119	BODY	8000.0-03
X64129	BODY	8000.0-03
X64591	BODY (Z3 VERSIONS)	8000.0-03
X64591	BODY (M VERSIONS)	8000.0-04
X68309	IHK5	NOT SHOWN

03/00

8000.0-02

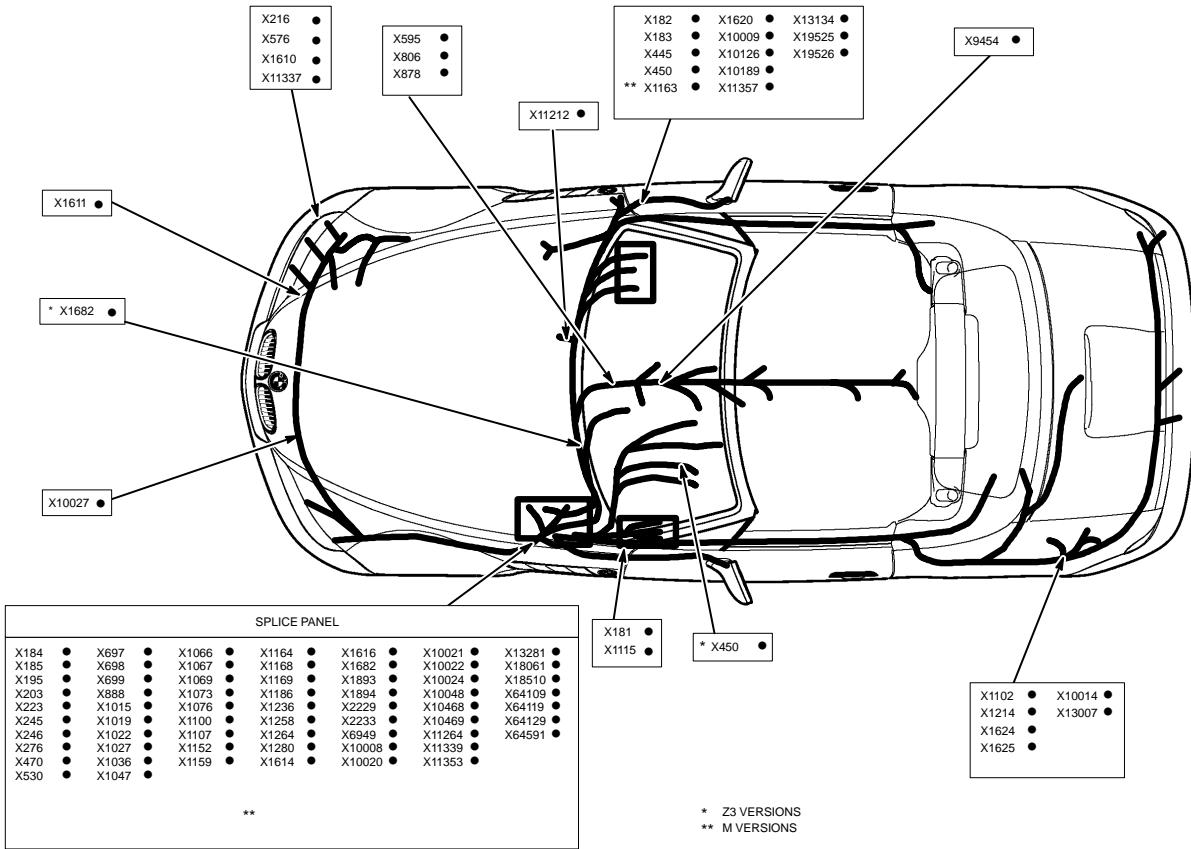
1999

BMW **3** **SPLICE LOCATION VIEWS**
BODY HARNESS
Z3

03/00

8000.0-03

1999

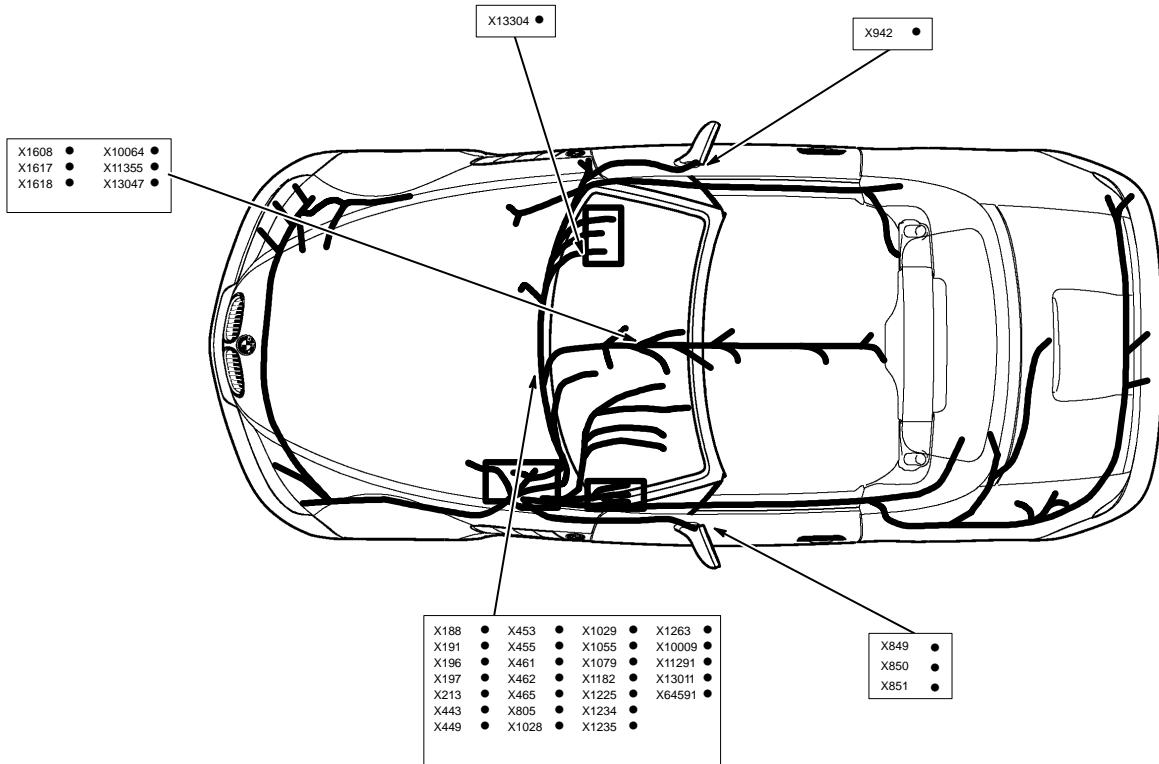


BMW **3** **SPLICE LOCATION VIEWS**
BODY HARNESS
Z3

03/00

80000.0-04

1999



BMW
3
Z3

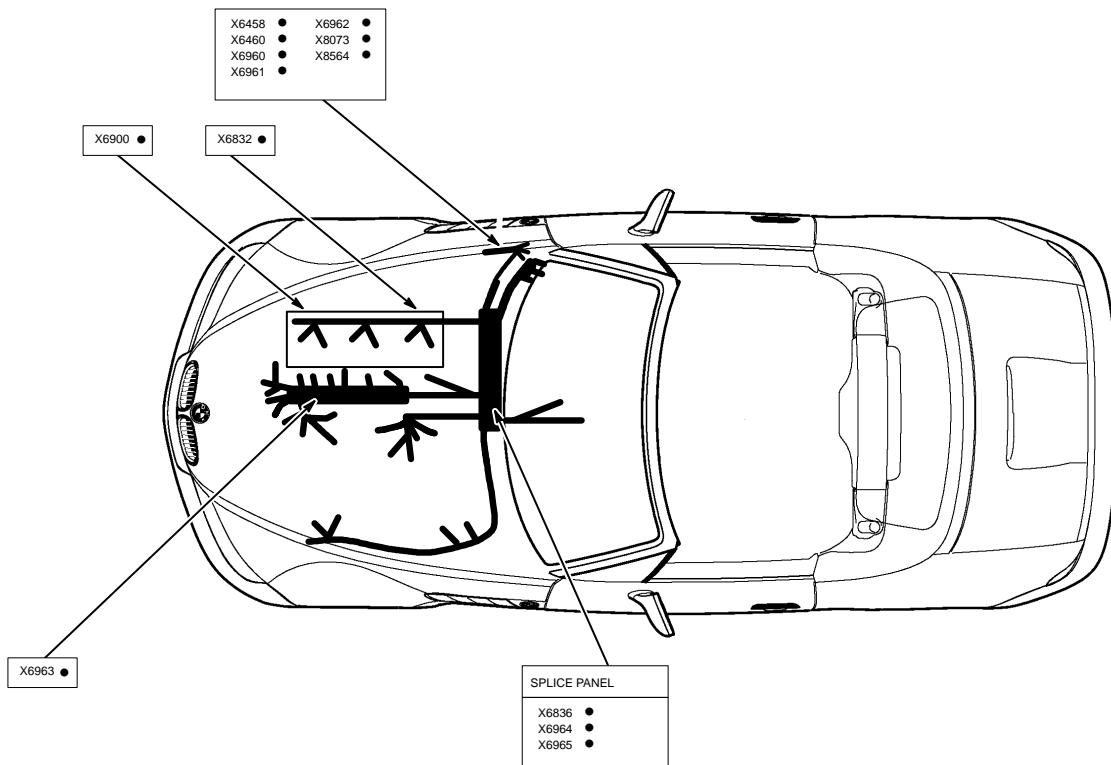
SPLICE LOCATION VIEWS
ENGINE HARNESS M52

Z3 VERSIONS

03/00

8000.0-05

1999



BMW
3
Z3

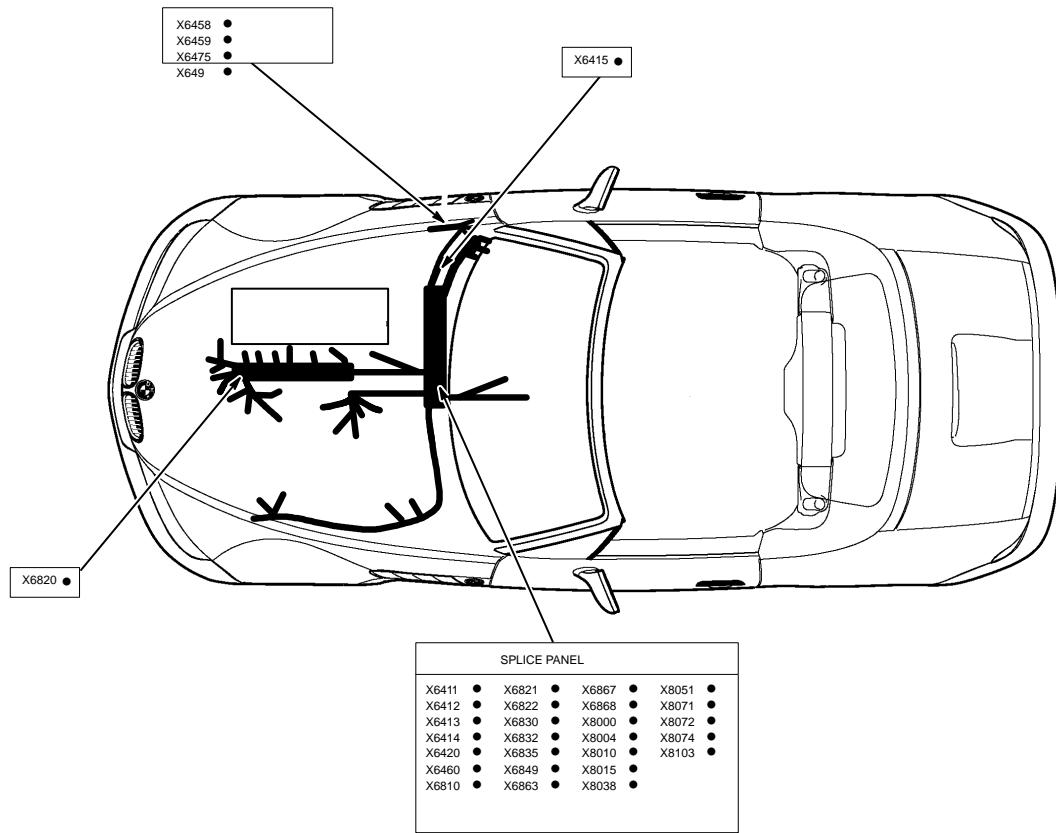
SPLICE LOCATION VIEWS
ENGINE HARNESS S52

M VERSIONS

03/00

8000.0-06

1999



8500.0 CONNECTOR VIEWS

03/00

8500.0-00

1999

FIG. 1

B880001.00

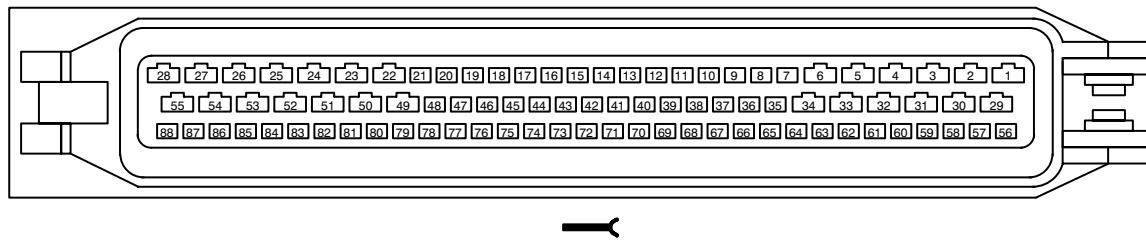


FIG. 2

B040030.00

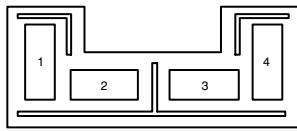


FIG. 3

B260005.00



CONNECTOR VIEWS

FIG. 1

B030024

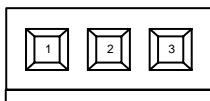


FIG. 2

B030046.00

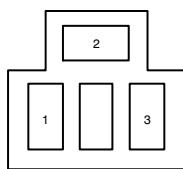


FIG. 3

B120001.01

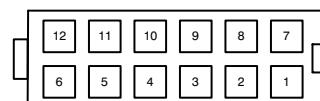


FIG. 4

B090008.00

9	8	7
6	5	4
3	2	1



FIG. 5

B120002.02

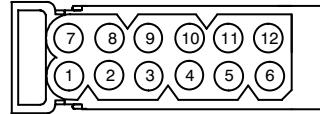
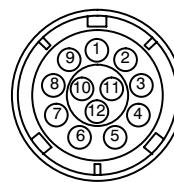


FIG. 6

B120015



CONNECTOR VIEWS

FIG. 1

B080002.00

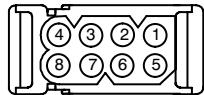


FIG. 2

B170001.00

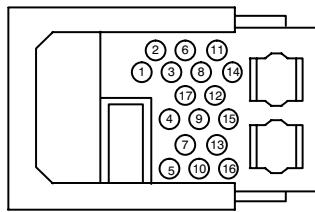


FIG. 3

B100008.00

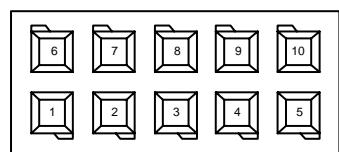


FIG. 4

B120004.01

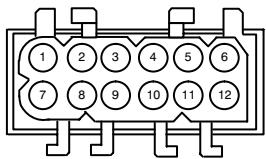


FIG. 5

B030004.01

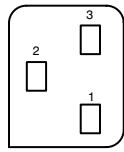
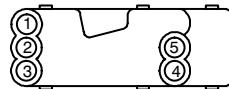


FIG. 6

B050003.00





CONNECTOR VIEWS

Z3

FIG. 1

B040004.00



FIG. 2

B520001.00

52	51	50	49	48	47	46	45	44	43	42	41	40
39	38	37	36	35	34	33	32	31	30	29	28	27
26	25	24	23	22	21	20	19	18	17	16	15	14
13	12	11	10	9	8	7	6	5	4	3	2	1



FIG. 3

B080001.00

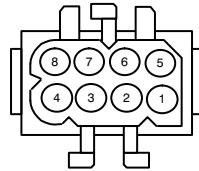


FIG. 4

B090002.00

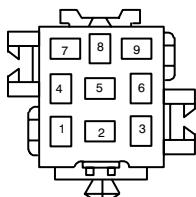


FIG. 5

B260002.01

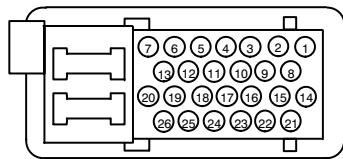
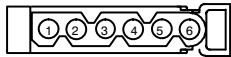


FIG. 6

B060001.02



03/00

8500.0-03

1999



CONNECTOR VIEWS

Z3

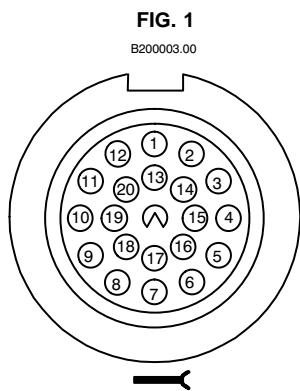


FIG. 1

B200003.00

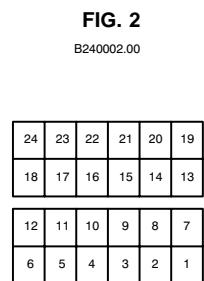


FIG. 2

B240002.00

FIG. 3

B030003.00

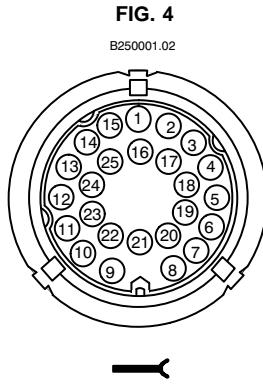


FIG. 4

B250001.02

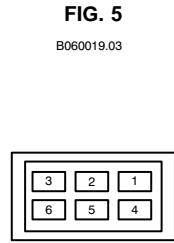


FIG. 5

B060019.03

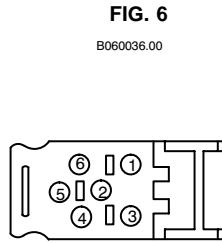


FIG. 6

B060036.00

03/00

8500.0-04

1999



CONNECTOR VIEWS

Z3

03/00

8500.0-05

1999

FIG. 1

B150002.00

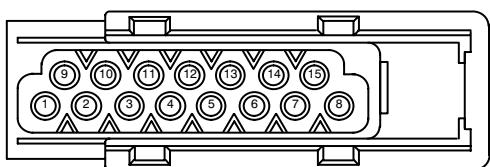


FIG. 2

B100014.00

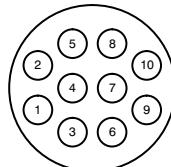


FIG. 3

B060038.00

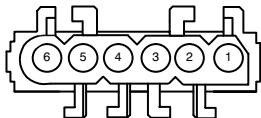


FIG. 4

B040027.00

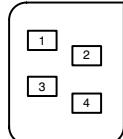


FIG. 5

B030006.00





CONNECTOR VIEWS

Z3

03/00

8500.0-06

1999

FIG. 1

B0400028.00

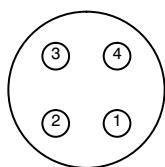


FIG. 2

B080020.00

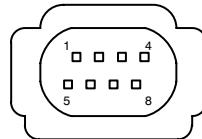


FIG. 3

B0300044.00

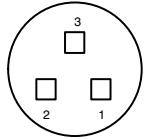


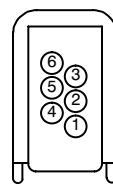
FIG. 4

B030049.00



FIG. 5

B060041.00



CONNECTOR VIEWS

03/00

8500.0-07

1999

FIG. 1

B040026

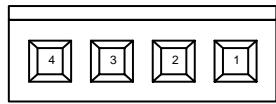


FIG. 2

B120006.00

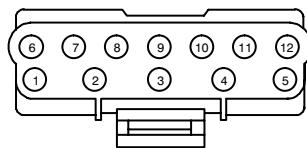


FIG. 3

B180000.00

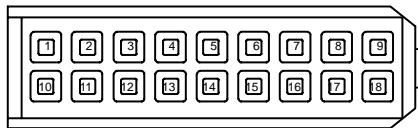


FIG. 4

B060037.00

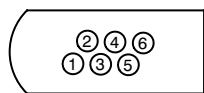
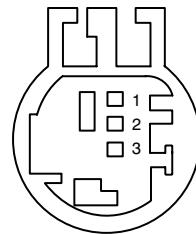


FIG. 5

B030042.00





CONNECTOR VIEWS

Z3

FIG. 1

B160002.00

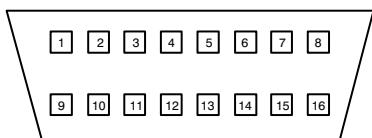


FIG. 2

B060013.00

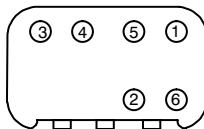


FIG. 3

B080013.00

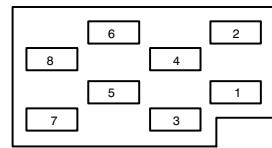
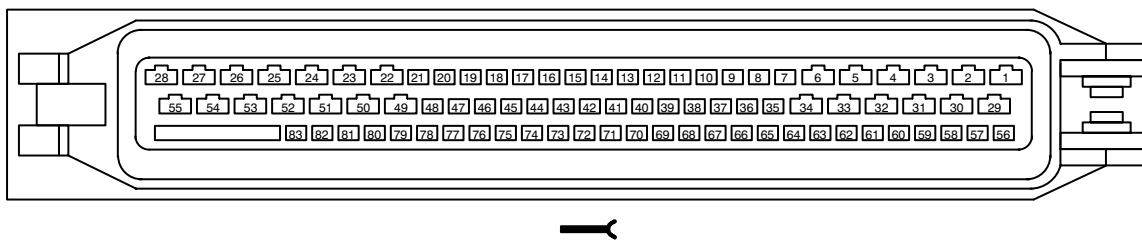


FIG. 4

B830001.00



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8500.0-08

1999



CONNECTOR VIEWS

Z3

FIG. 1

B400000.00

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10



FIG. 2

B060043.00

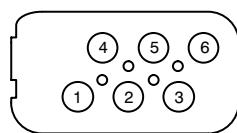


FIG. 3

B070012.00

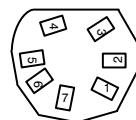


FIG. 4

B250004.00

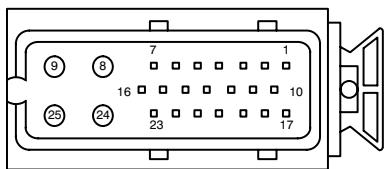
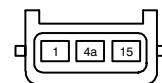


FIG. 5

B030015.08



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8500.0-09

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CONNECTOR VIEWS

Z3

FIG. 1

B030048a

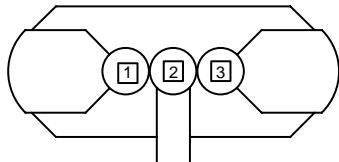


FIG. 2

B030018.02

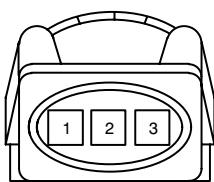


FIG. 3

B040023.02

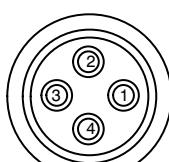


FIG. 4

B040023.01

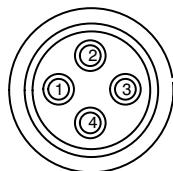
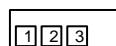


FIG. 5

B030036.01



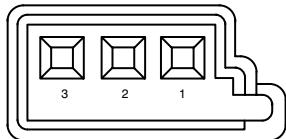
03/00

8500.0-10

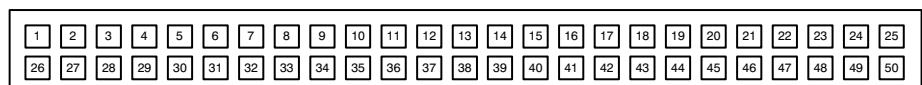
1999

CONNECTOR VIEWS**FIG. 1**

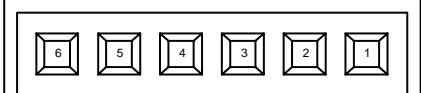
B030022.00

**FIG. 2**

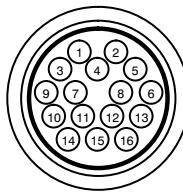
B500000.00

**FIG. 3**

B060042

**FIG. 4**

B160001.00

**FIG. 5**

B100004.02

