



Electrical troubleshooting manual

Series 3 – E36/7 (Z3 Roadster and Coupé)

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Model year 2000

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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 which is only a few cm long. To ensure clear arrangement, all connectors, line 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 the cells **0670.3 Fuse Details** and **0670.4 Ground Distribution** where all lines are illustrated with all plug connections, line branches and connected components.

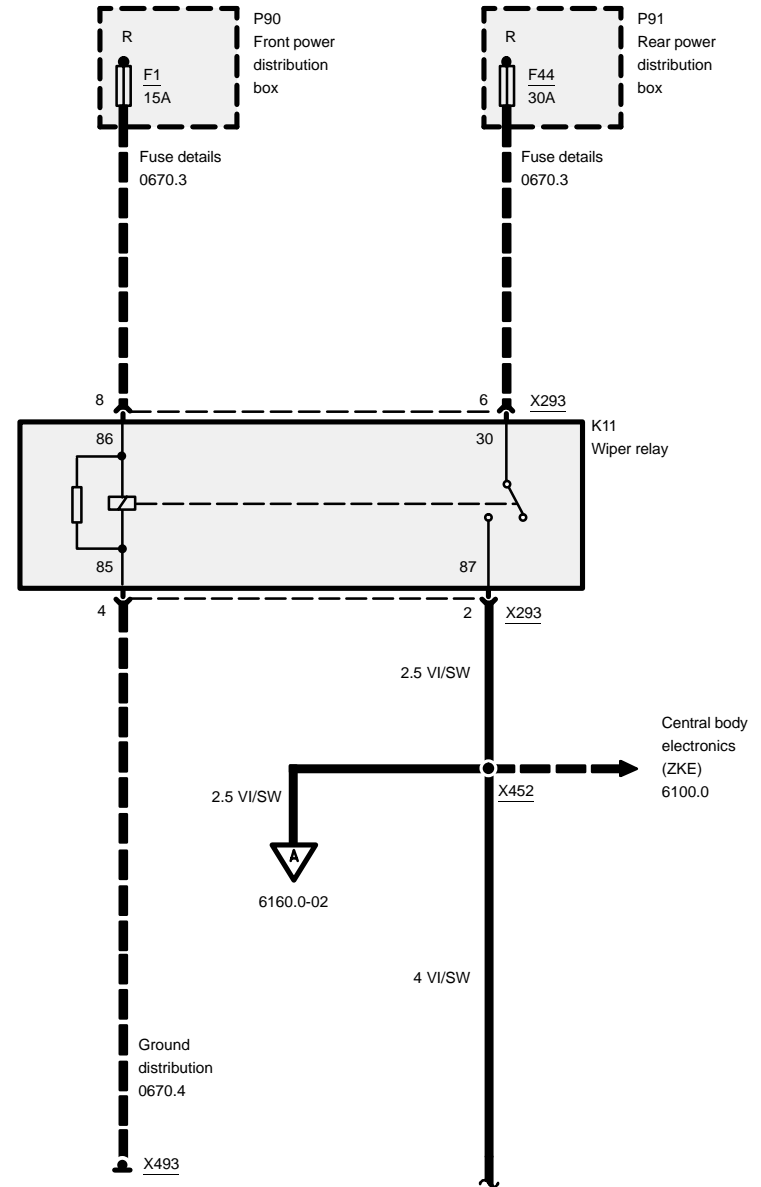
All circuit symbols used are listed and explained in the cell **0140.0 Symbols**.

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 locations of the connectors and components which are difficult to locate are shown in line arts or illustrations. In cell **8000.0 Solder Connector 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

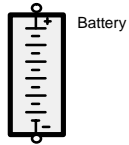
General conventions can be explained based on the following schematic example.





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 P94).
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 at the connector X293 indicates that both pins belong to the connector X293.
5. The dashed line from fuse 1 to pin 8 of the connector X293 shows the positive supply of the relay K11. If required, refer to cell **0670.3 Fuse details** at fuse F1 for the complete line progression with all plug connections, line branches, wire colours and cross sections.
6. The dashes line with arrow at the connector X452 indicates that several wires lead to the connector X452. All lines leading to the connection are illustrated in cell **6100.0 Central body electronics (ZKE)**. An uninterrupted line with arrow indicates that only this one line leads to another circuit.
7. The dashes line from pin 4 of connector X293 to ground X493 shows the ground supply of the 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 colours and cross sections.
8. The uninterrupted line from connector X452 with an **A** in the open arrow is continued on Page 6160.0–02.
Termination of the wire 4 VI/SW from connector X452 with a wavy line indicates that the wire is continued on the opposite page.



Battery



Fuses



Fuse link



Automatic cut-out



Solenoid coil



Capacitor



Solenoid valve



Heating element



motor with blower or fan



Loudspeaker without horn



Bulb



Variable resistor



Overtemperature protection



Permanent magnet motor one speed



Permanent magnet motor two speeds



Potentiometer Wiper moved by external force



Potentiometer Change by pressure or temperature



Antenna



Diode Current flows in direction of arrow only



Amplifier



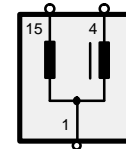
Z-diode for voltage control



LED



Oxygen sensor



Ignition coil



Control/performance electronics



Radio



Hall-effect sensor



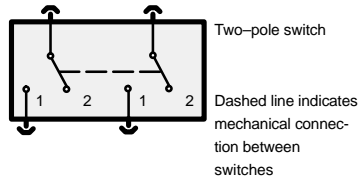
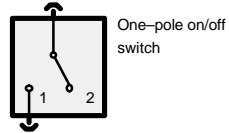
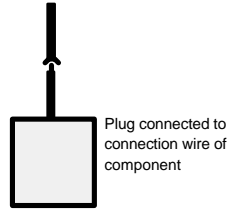
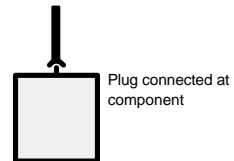
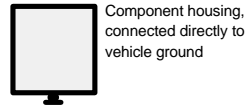
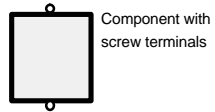
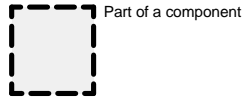
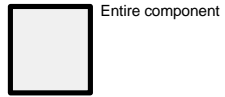
Transistor switch



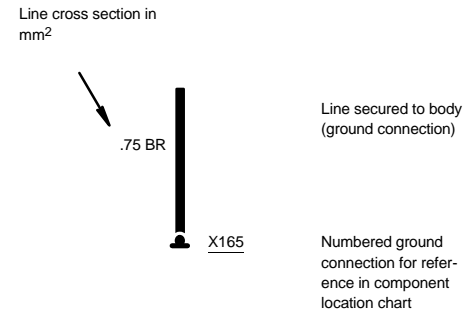
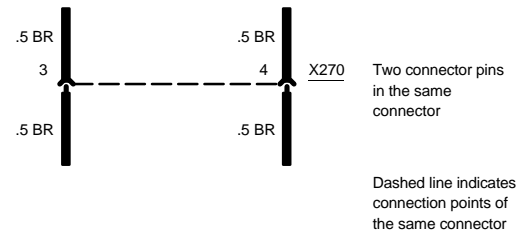
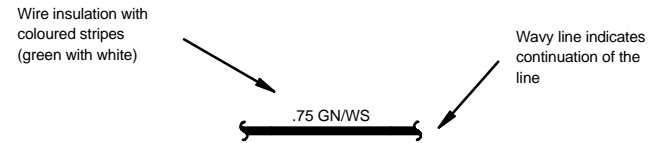
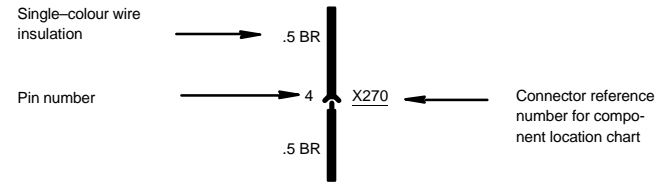
Knock sensor

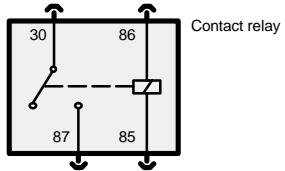


Heating element

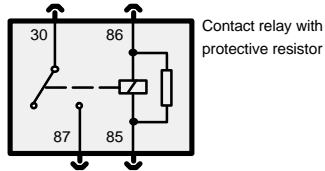


Wire colour	
BL	blue
BR	brown
GE	yellow
GN	green
GR	grey
OR	orange
RS	pink
RT	red
SW	black
VI	violet
WS	white
TR	transparent

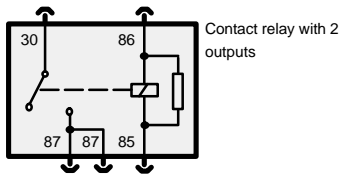




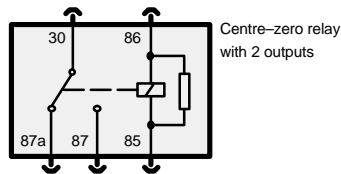
Contact relay



Contact relay with protective resistor

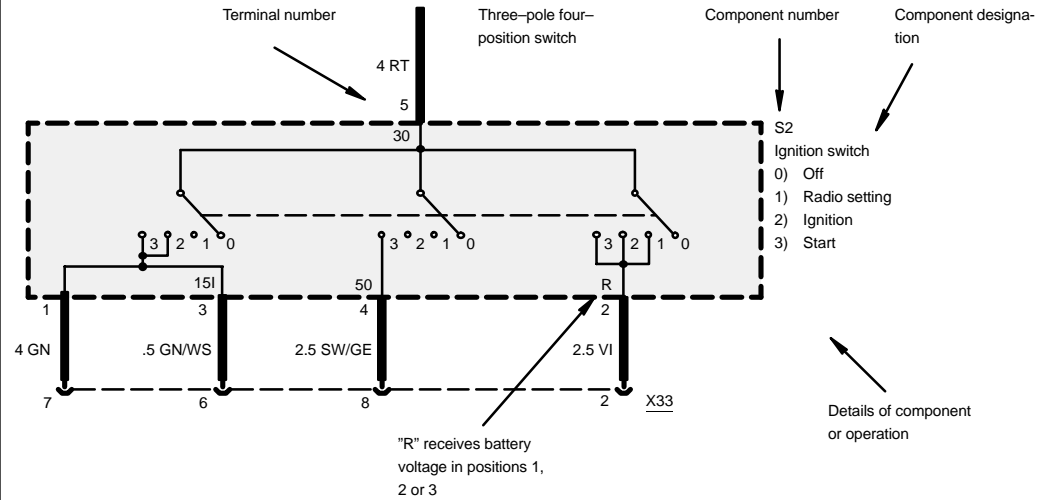


Contact relay with 2 outputs

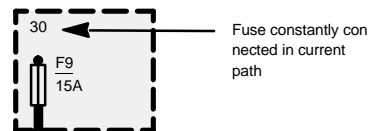


Centre-zero relay with 2 outputs

Terminal number	Designation
30	Relay input
85	Relay output (coil)
86	Relay input (coil)
87	Relay output (switched)
87a	Relay output (non-switched)



Terminal number	Designation	Terminal number	Designation
50	Battery voltage: Ignition switch in position 3	15I	Battery voltage: Ignition switch in position 2
30	Battery voltage: Supplied constantly	R	Battery voltage: Ignition switch in position 1, 2 or 3
15	Battery voltage: Ignition switch in position 2 or 3	31	Ground

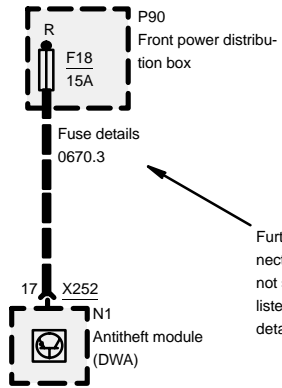


Terminal number	Designation
30	Battery voltage: Supplied constantly
15	Battery voltage: Ignition switch in position 2 or 3
R	Battery voltage: Ignition switch in position 1, 2 or 3

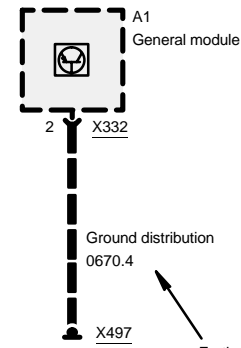
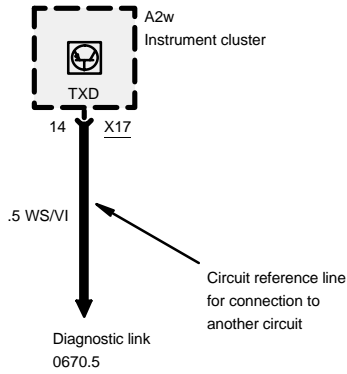


Z3

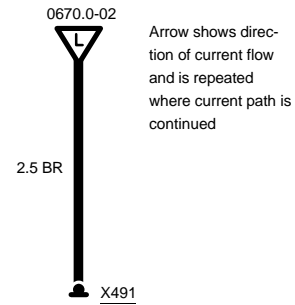
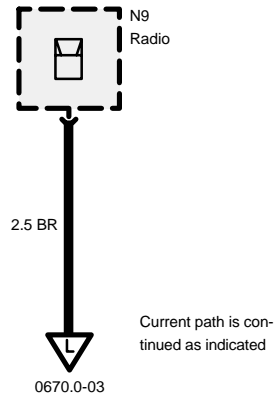
Symbols



Further circuits connected to fuse 18 are not shown but are listed under "fuse details"



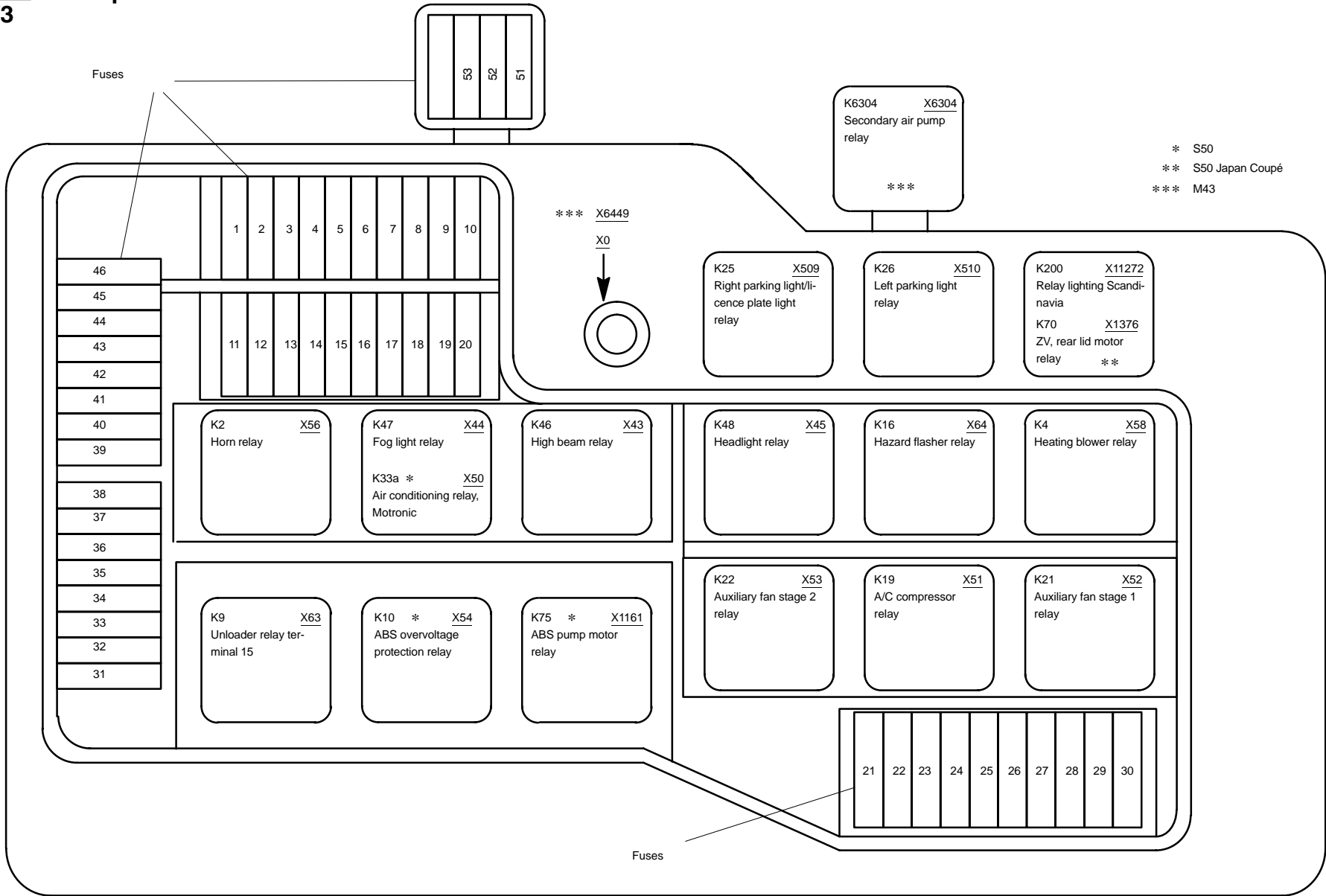
Further circuits connected at ground X497 are not shown but are listed under "ground distribution"





0670.0 Power distribution chart

Front power distribution box

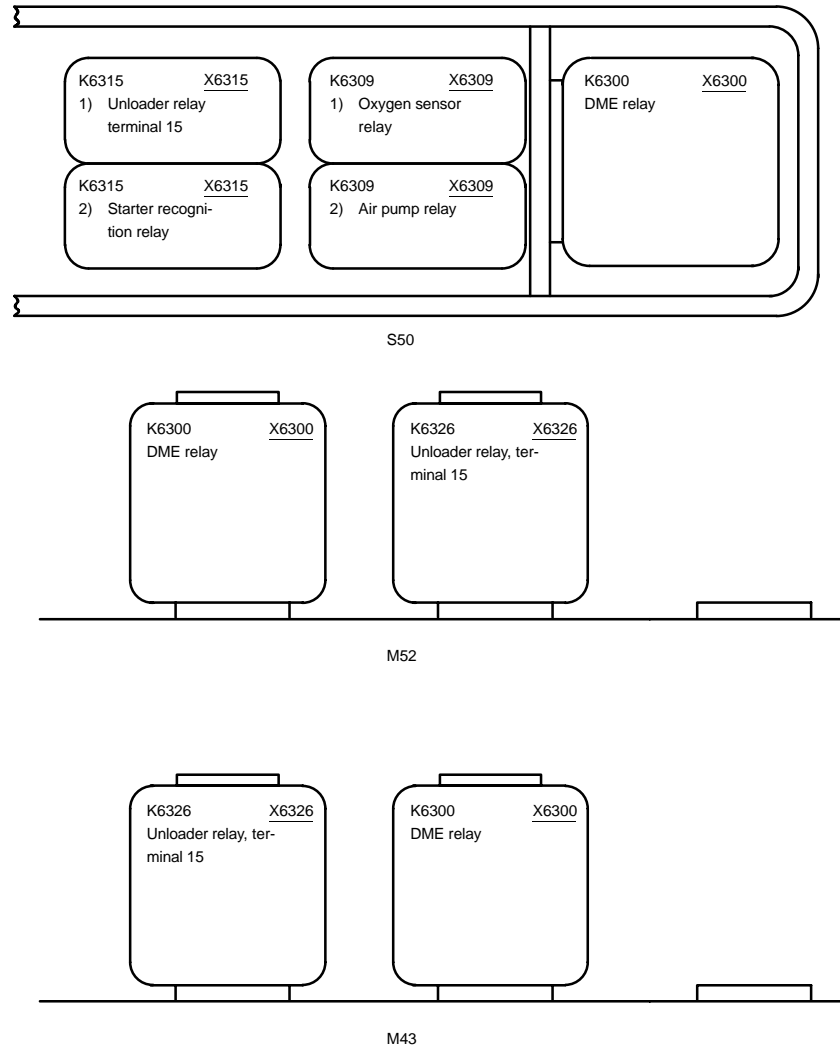




Z3

Power distribution chart

In E-box

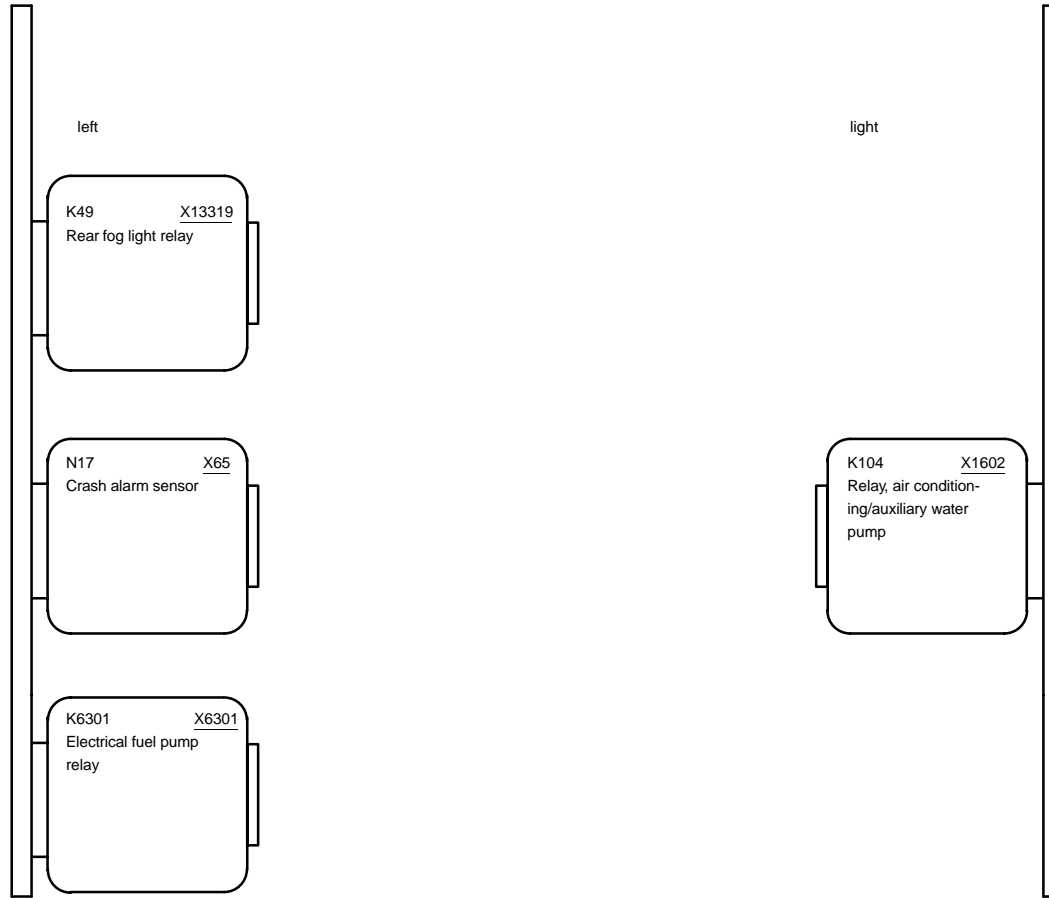




Z3

Power distribution chart

Relay carrier under dash

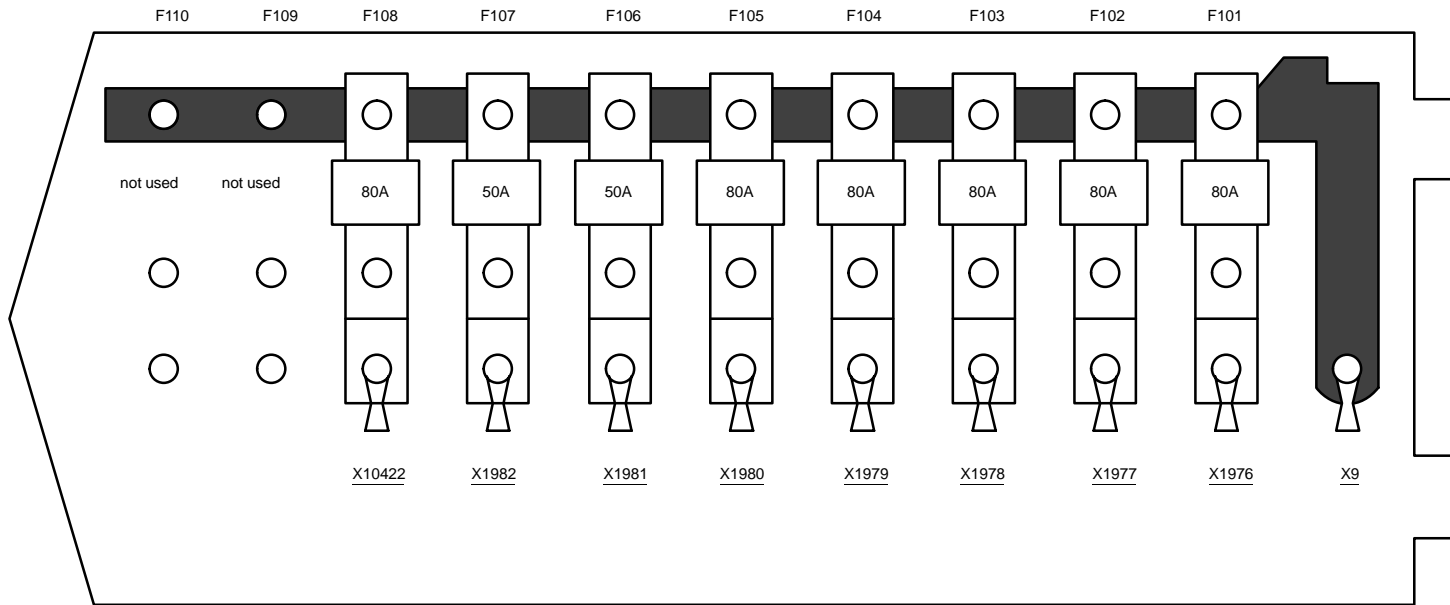




Power distribution chart

M43, M52

B+ terminal point under instrument panel, left





0670.1 Fuse chart

Fuses 1 to 29

Z3

* S50

	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	10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	7.5A 5A*	30A	10A	5A	7.5A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
1210.21 Digital motor electronics (DME MSS50, 6-cylinder S50 B32)													●			●		●								●			
1210.24 Engine management BMS46 (4-cylinder M43)													●			●		●								●	●		
1210.25 Engine management MS42.1 (6-cylinder M52)													●			●		●								●	●		
1230.0 Alternator																										●	●		
1240.0 Starter																												●	
1290.0 E-box fan																										●			
2460.2 Electronic transmission control (EGS A4S 310R)																										●		●	
3234.0 Airbag (AB)																											●		
3450.0 Antilock brake system (ABS)											●										●						●		
3450.1 Automatic stability control (ASC)											●										●						●		
3452.1 Dynamic stability control (DSC III)							●														●						●		
3614.0 Tyre inflation system																													
5116.0 Power mirrors																									●				
5126.0 Central locking system (ZKE/ZV)							●																						
5133.0 Power windows (ZKE/FH)															●														
5200.0 Power seats					●																●								
5203.0 Heated seats			●																										
5410.5 Electric tilt sunroof																													
5430.2 Electrohydraulic convertible soft-top	●																												
6100.0 Central body electronics (ZKE IV)		●					●								●	●													



Fuse chart

Fuses 1 to 29

Z3

* S50

	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	10A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	7.5A 5A*	30A	10A	5A	7.5A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A	
6133.0								●																						
6135.1																													●	
6160.1	●		●																											
6167.1			●																											
6169.0																									●					
6211.0							●																●				●			
6213.1																														
6213.3																														
6300.0																							●	●		●				
6312.0											●	●			●		●					●	●		●					●
6313.0																							●							
6314.0																														
6320.0																														
6322.0																											●			
6325.0													●																	
6330.3		●																												
6332.0																														
6350.0											●	●														●				
6410.7																						●			●					
6424.0						●																	●							



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	51	52	53	202	203	204	205
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A	30A	30A	30A	30A	20A	30A	30A
1210.21 Digital motor electronics (DME MSS50, 6-cylinder S50 B32)										●																
1210.24 Engine management BMS46 (4-cylinder M43)																							●		●	●
1210.25 Engine management MS42.1 (6-cylinder M52)										●				●			●						●	●	●	●
1230.0 Alternator																										
1240.0 Starter		●																								
1290.0 E-box fan																										
2460.2 Electronic transmission control (EGS A4S 310R)																	●								●	
3234.0 Airbag (AB)												●	●													
3450.0 Antilock brake system (ABS)										●							●									
3450.1 Automatic stability control (ASC)										●							●									
3452.1 Dynamic stability control (DSC III)																	●			●	●	●				
3614.0 Tyre inflation system																										
5116.0 Power mirrors																										
5126.0 Central locking system (ZKE/ZV)						●									●											
5133.0 Power windows (ZKE/FH)																										
5200.0 Power seats																										
5203.0 Heated seats																										
5410.5 Electric tilt sunroof																	●									
5430.2 Electrohydraulic convertible soft-top																	●									
6100.0 Central body electronics (ZKE IV)	●			●	●	●											●									



Fuse chart

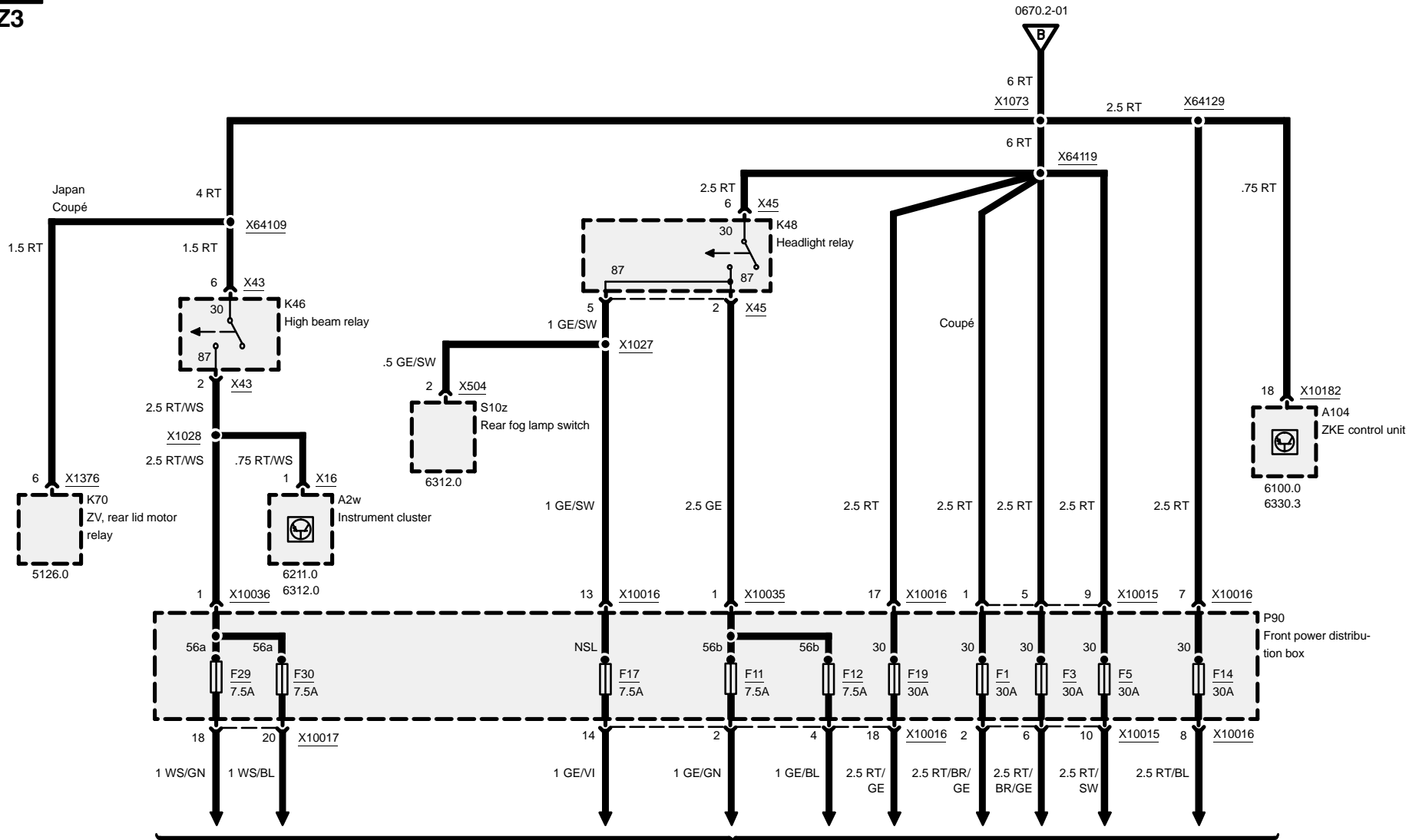
Fuses 30 to 205

Z3

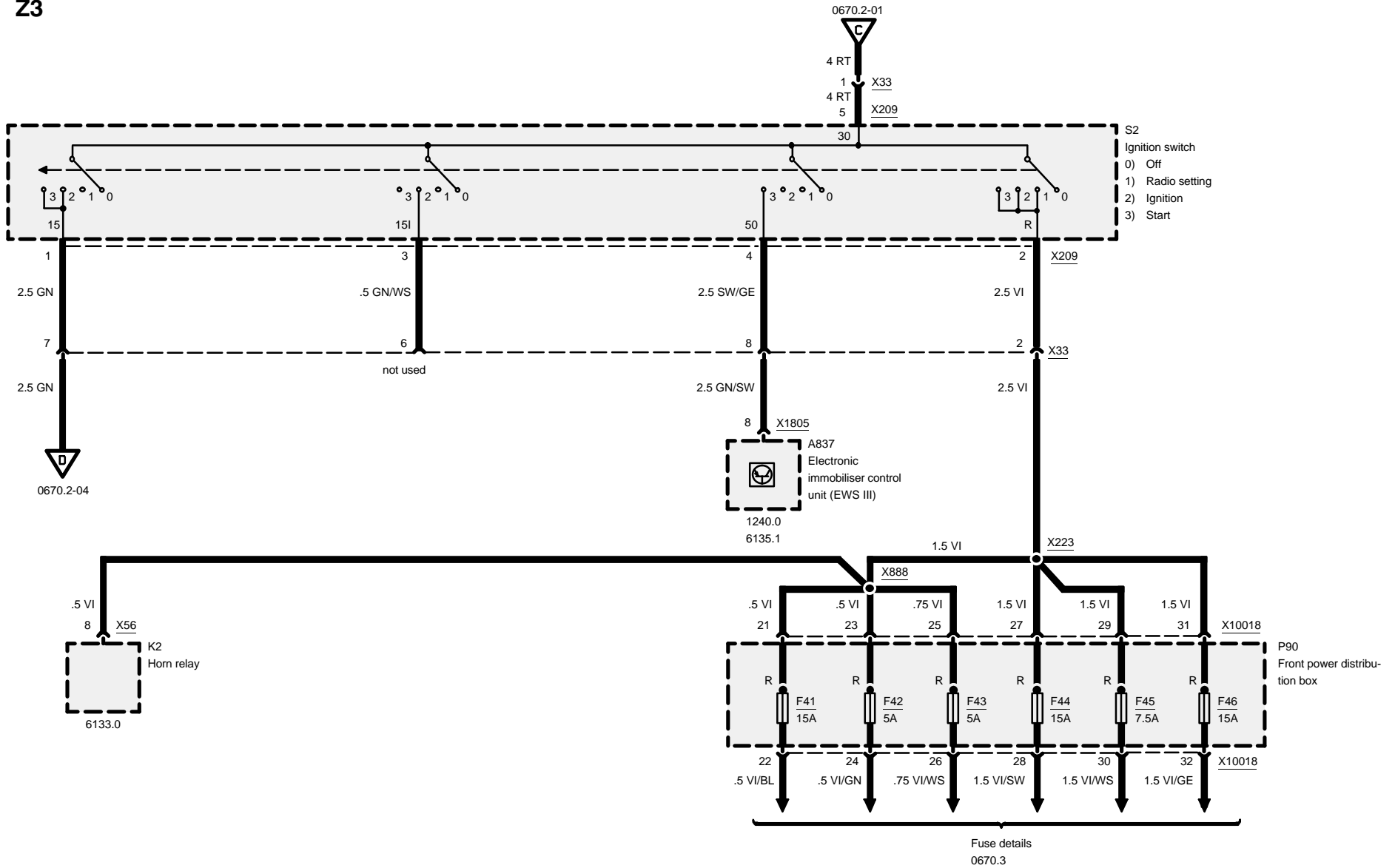
	Fuse number																										
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	51	52	53	202	203	204	205	
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	15A	5A	5A	15A	7.5A	15A		40A	30A	30A	30A	30A	20A	30A	30A	
6133.0																											
6135.1		●																									
6160.1							●	●																			
6167.1							●																				
6169.0																											
6211.0		●										●															
6213.1		●																									
6213.3		●																									
6300.0				●				●																			
6312.0	●							●																			
6313.0					●																						
6314.0				●				●																			
6320.0				●				●																			
6322.0																											
6325.0																											
6330.3				●											●												
6332.0			●					●																			
6350.0					●																						
6410.7																											
6424.0																											

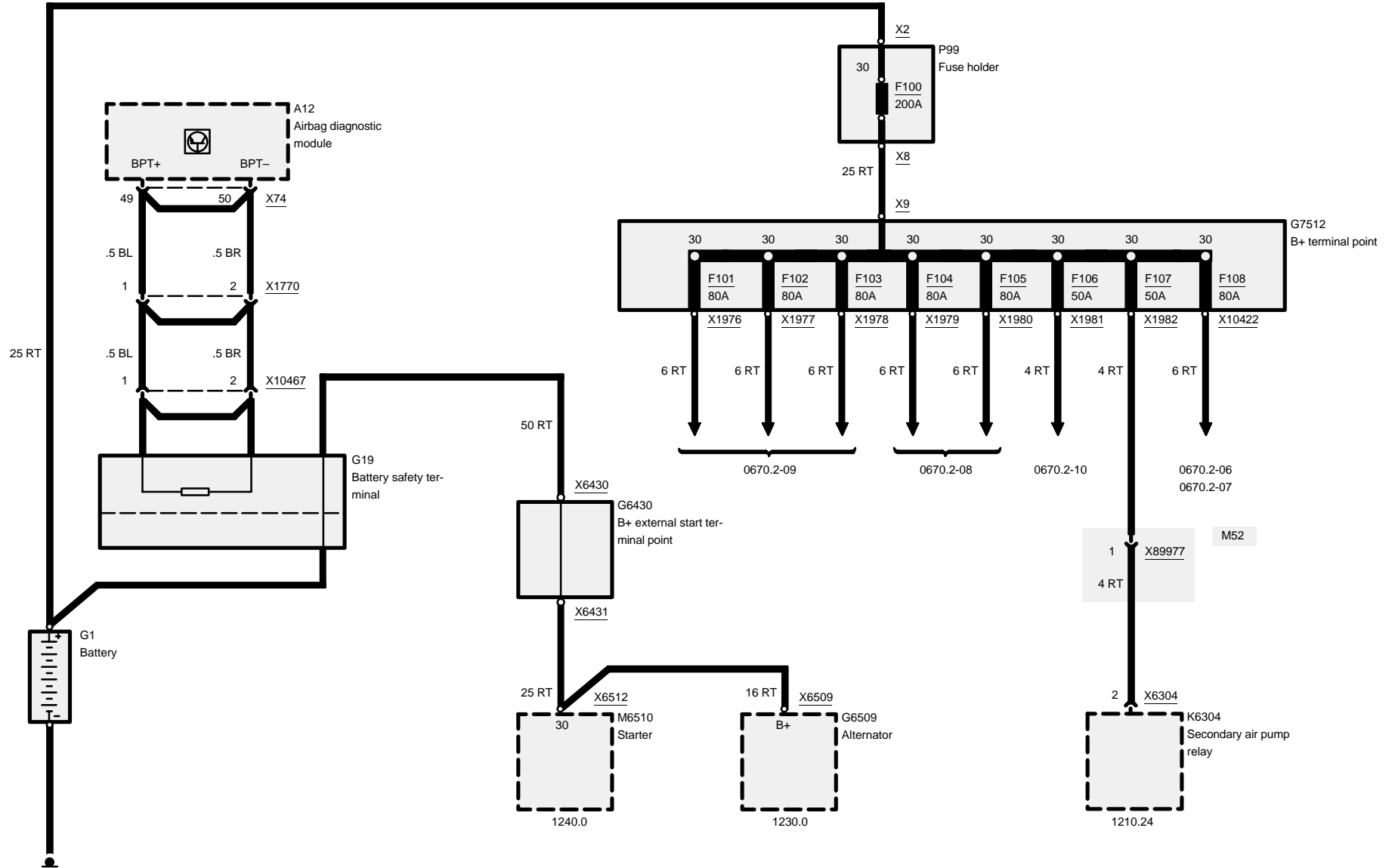
Power distribution

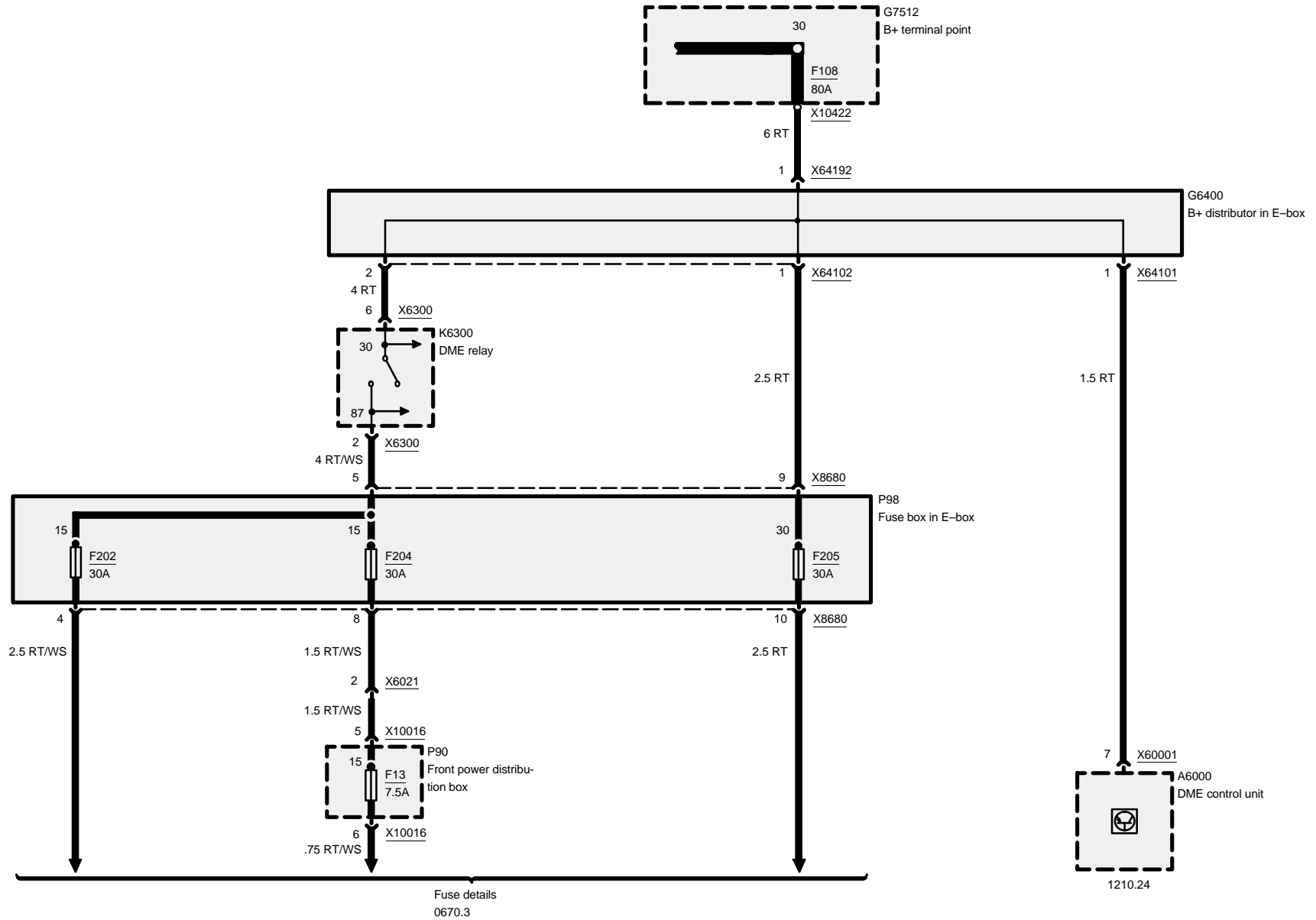
S50

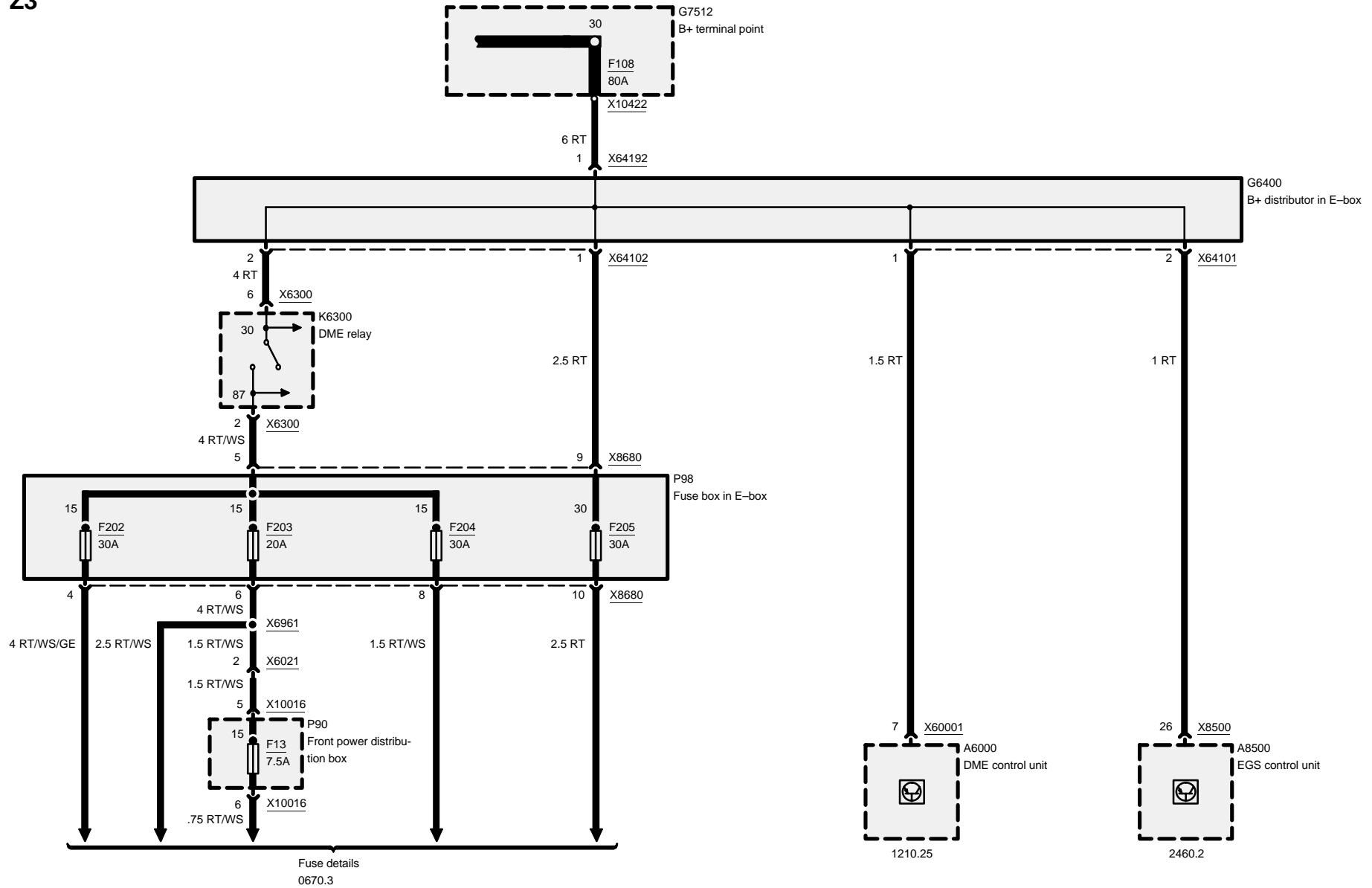


Fuse details
0670.3







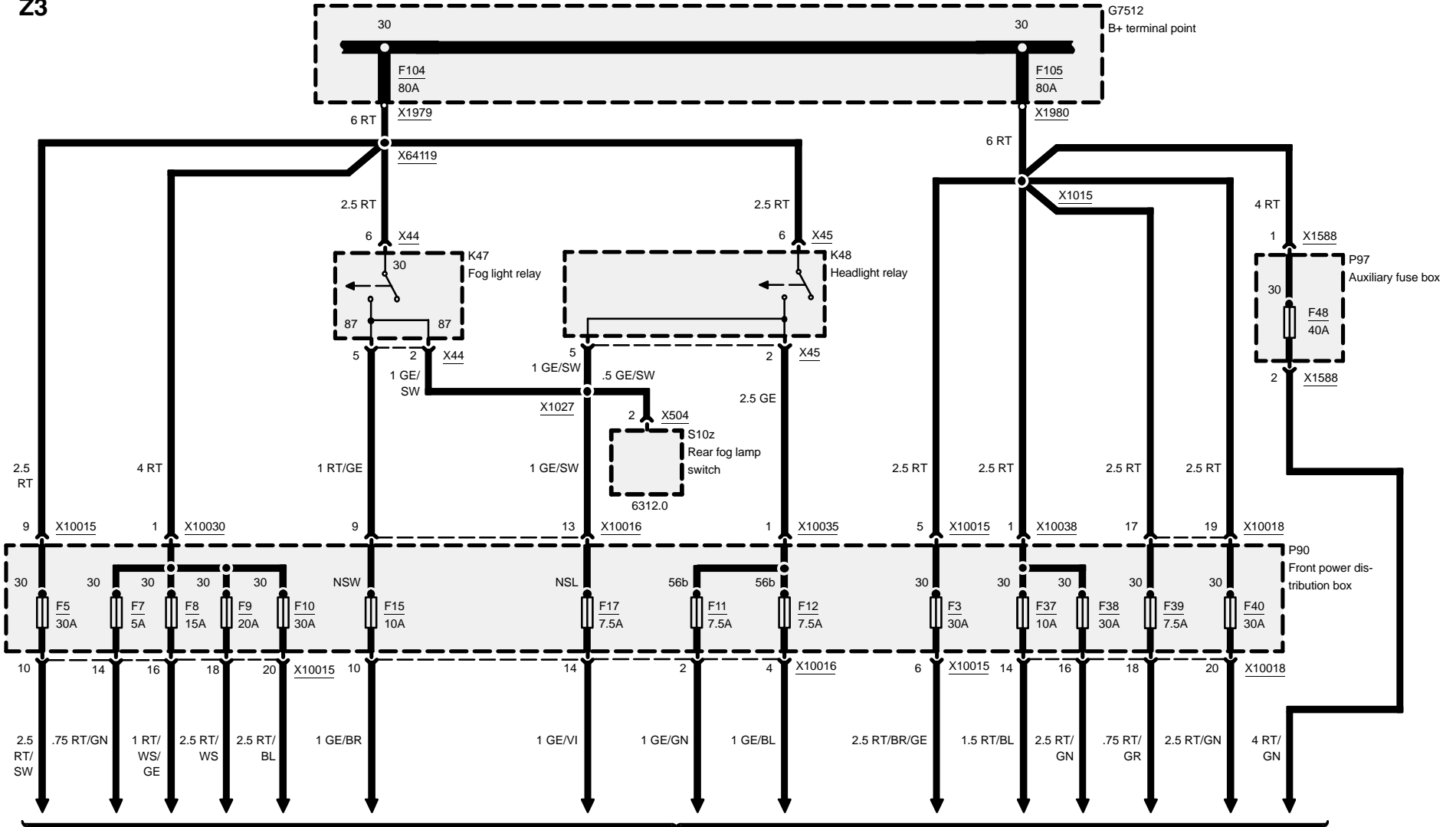




Z3

Power distribution

M43, M52

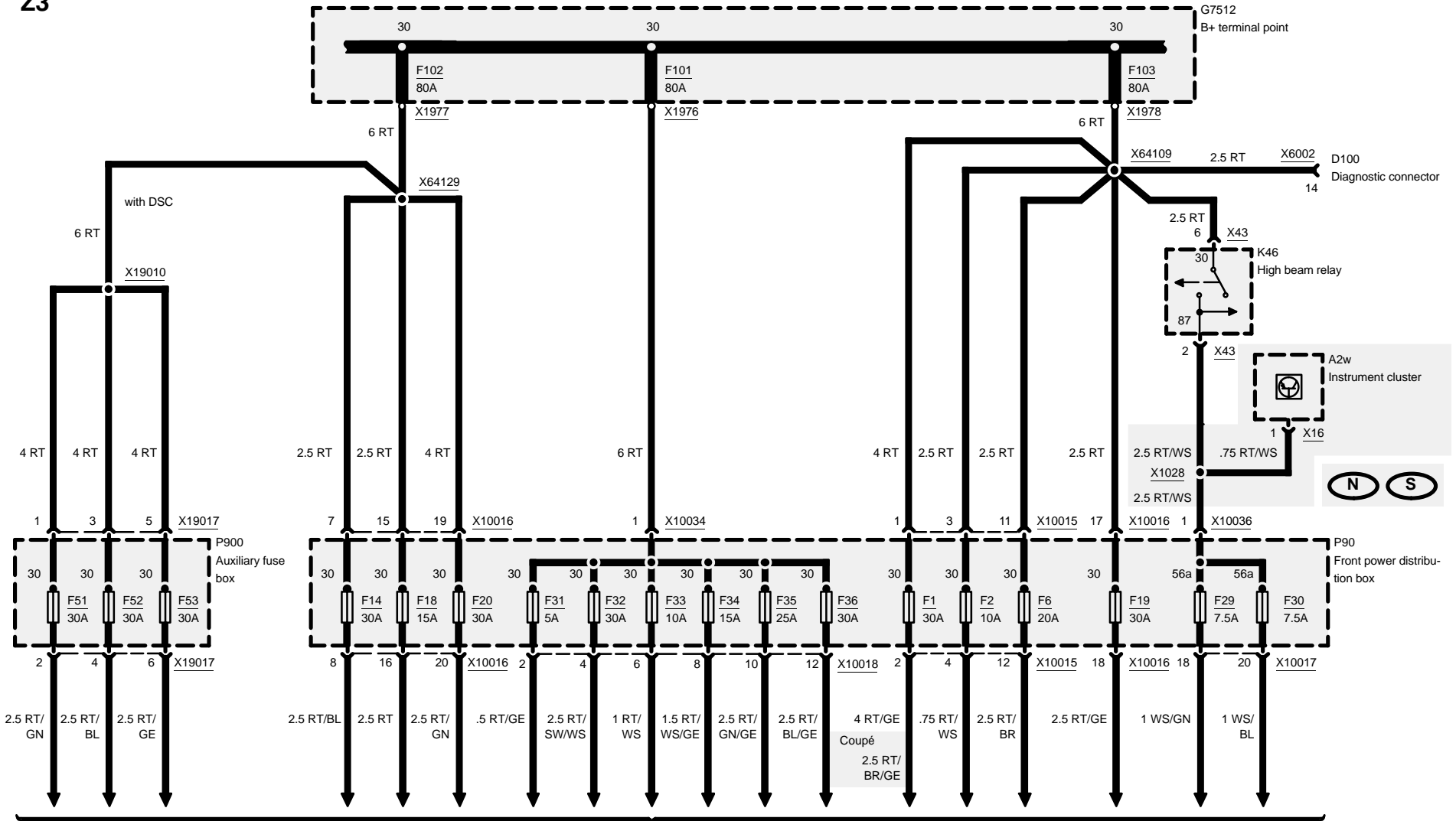


Fuse details
0670.3



Power distribution

M43, M52



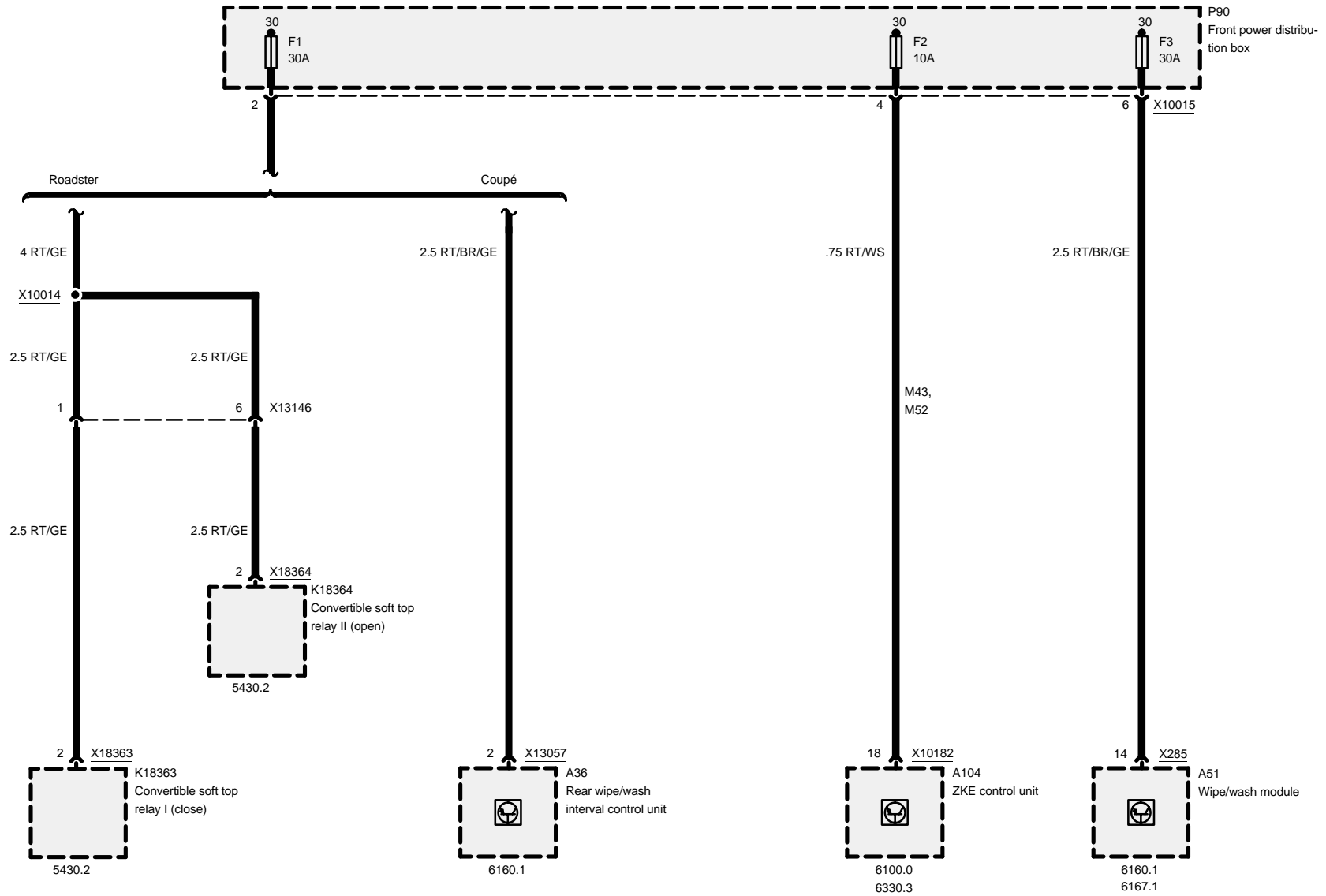
Fuse details
0670.3



0670.3 Fuse details

Fuses 1, 2 and 3

Z3

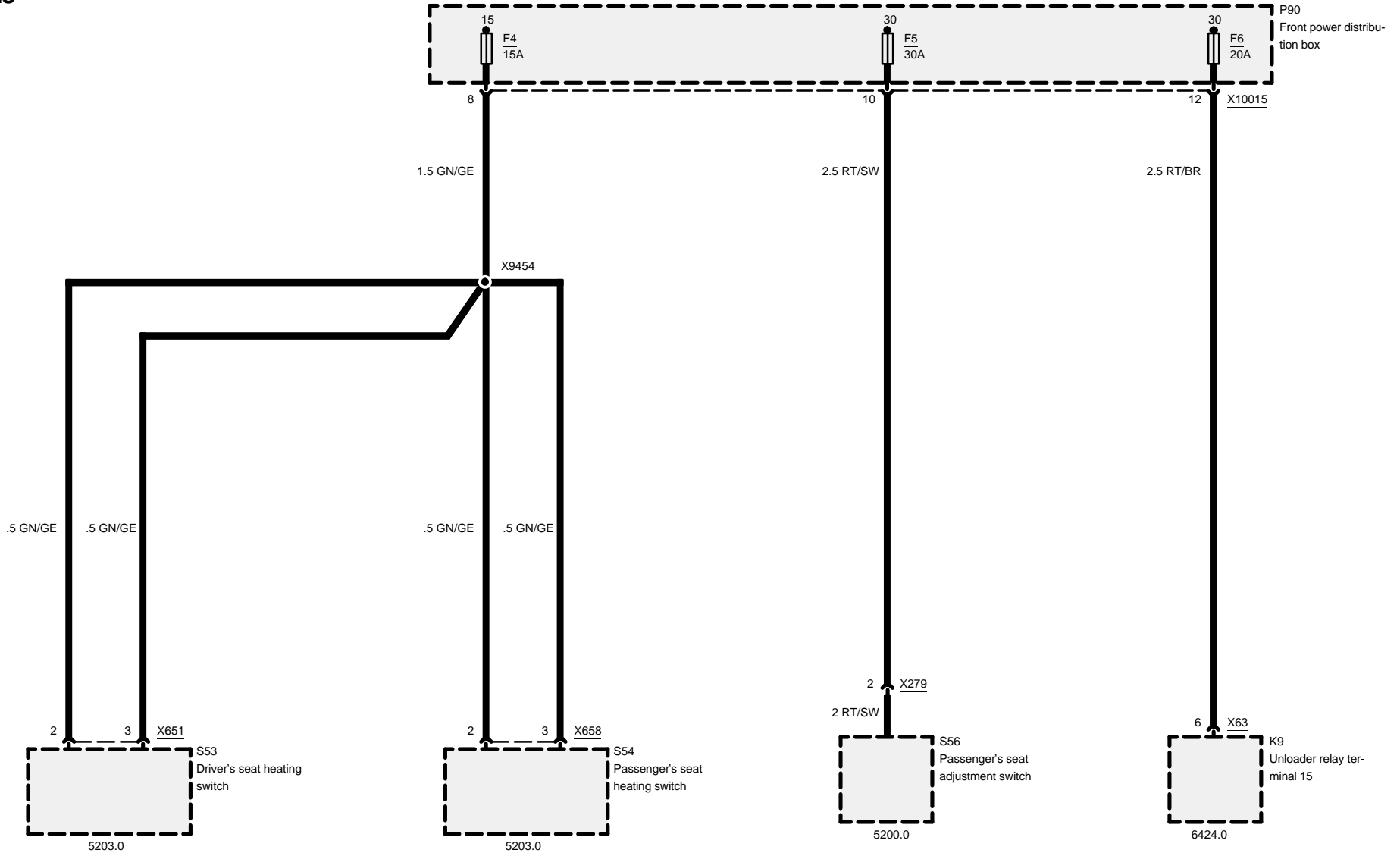




Fuse details

Fuses 4, 5 and 6

Z3

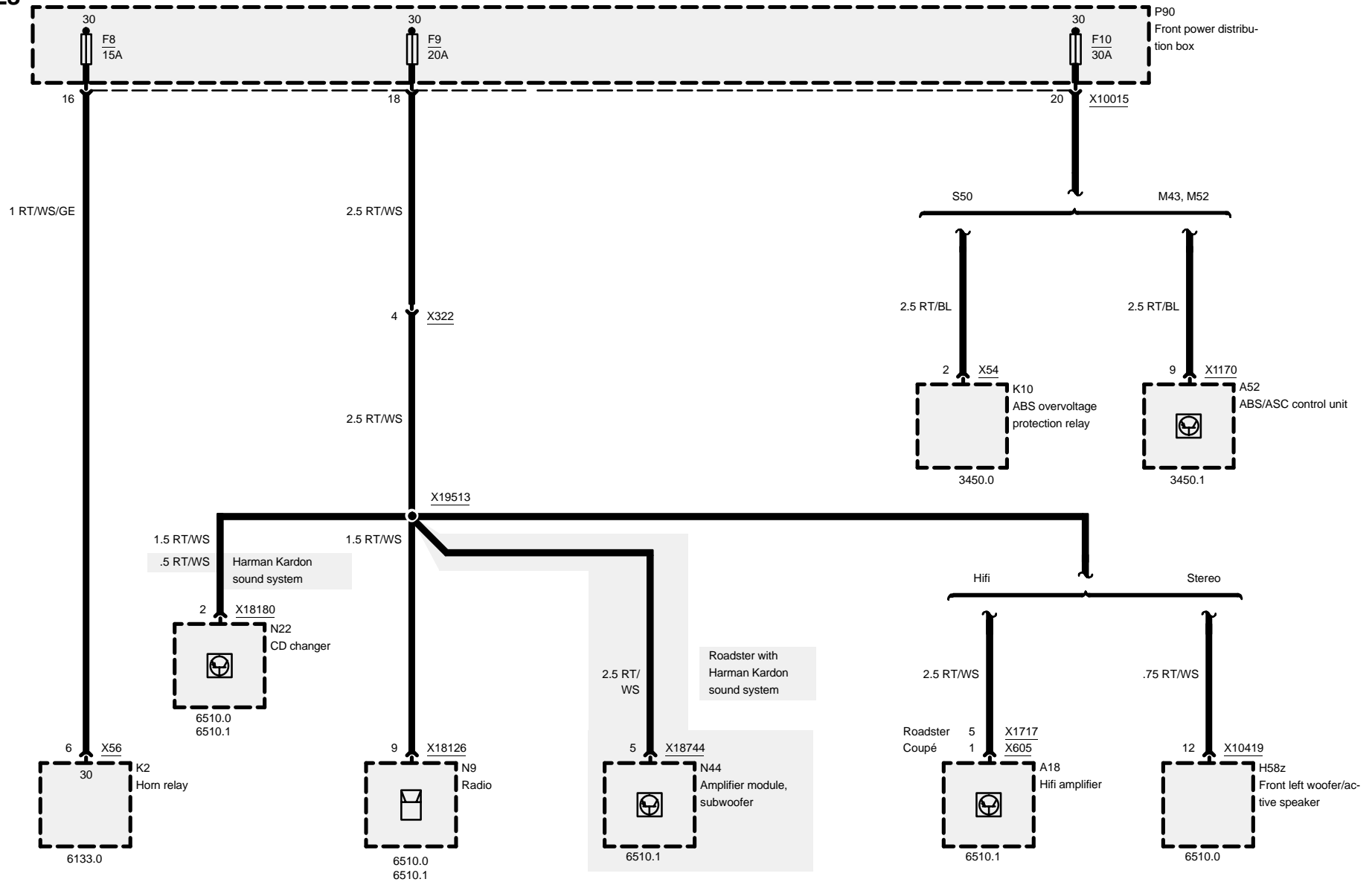




Fuse details

Fuses 8, 9 and 10

Z3



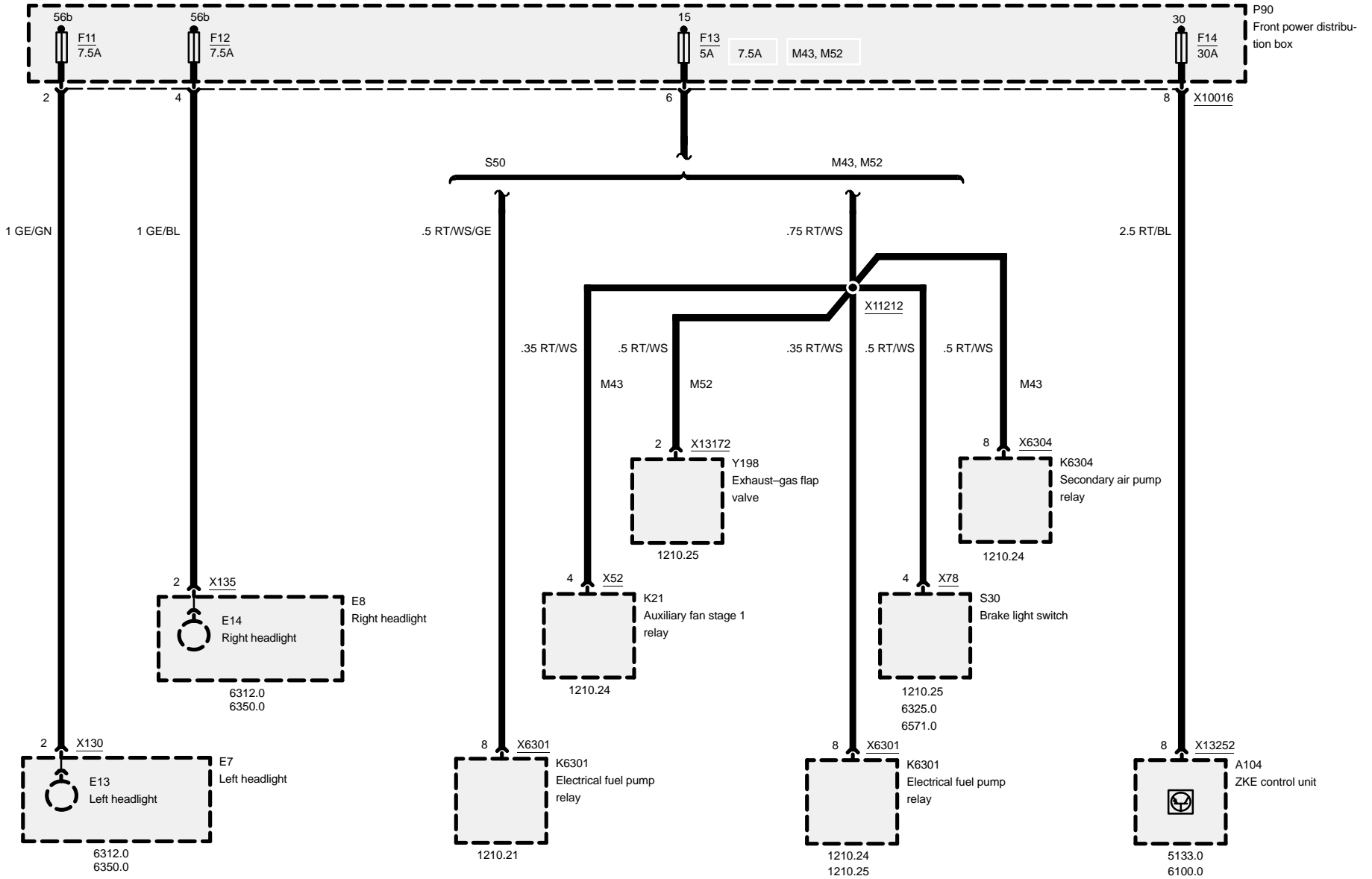


Fuse details

Right-hand drive

Fuses 11, 12, 13 and 14

Z3



10/99

0670.3-04

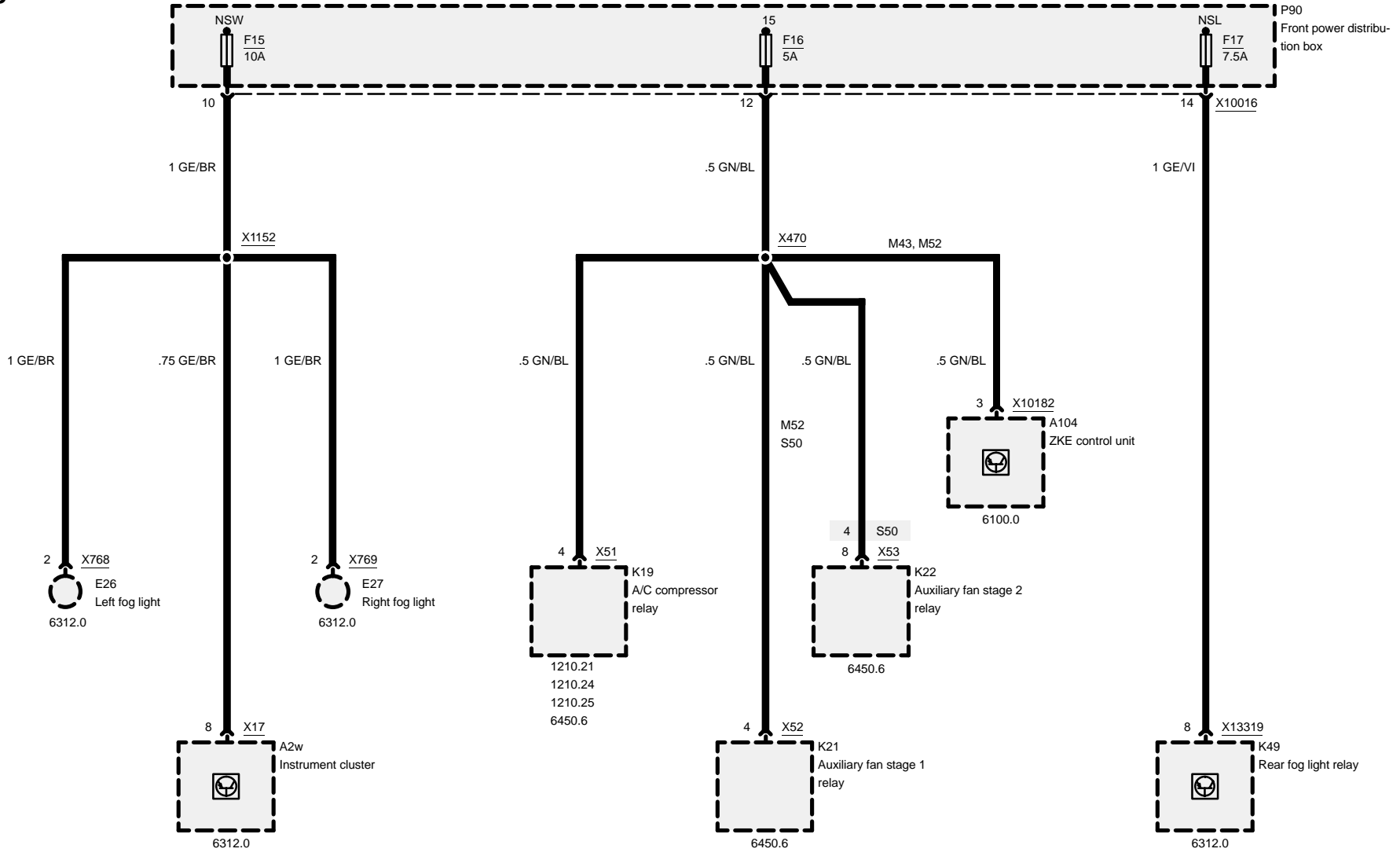
2000



Fuse details

Fuses 15, 16 and 17

Z3

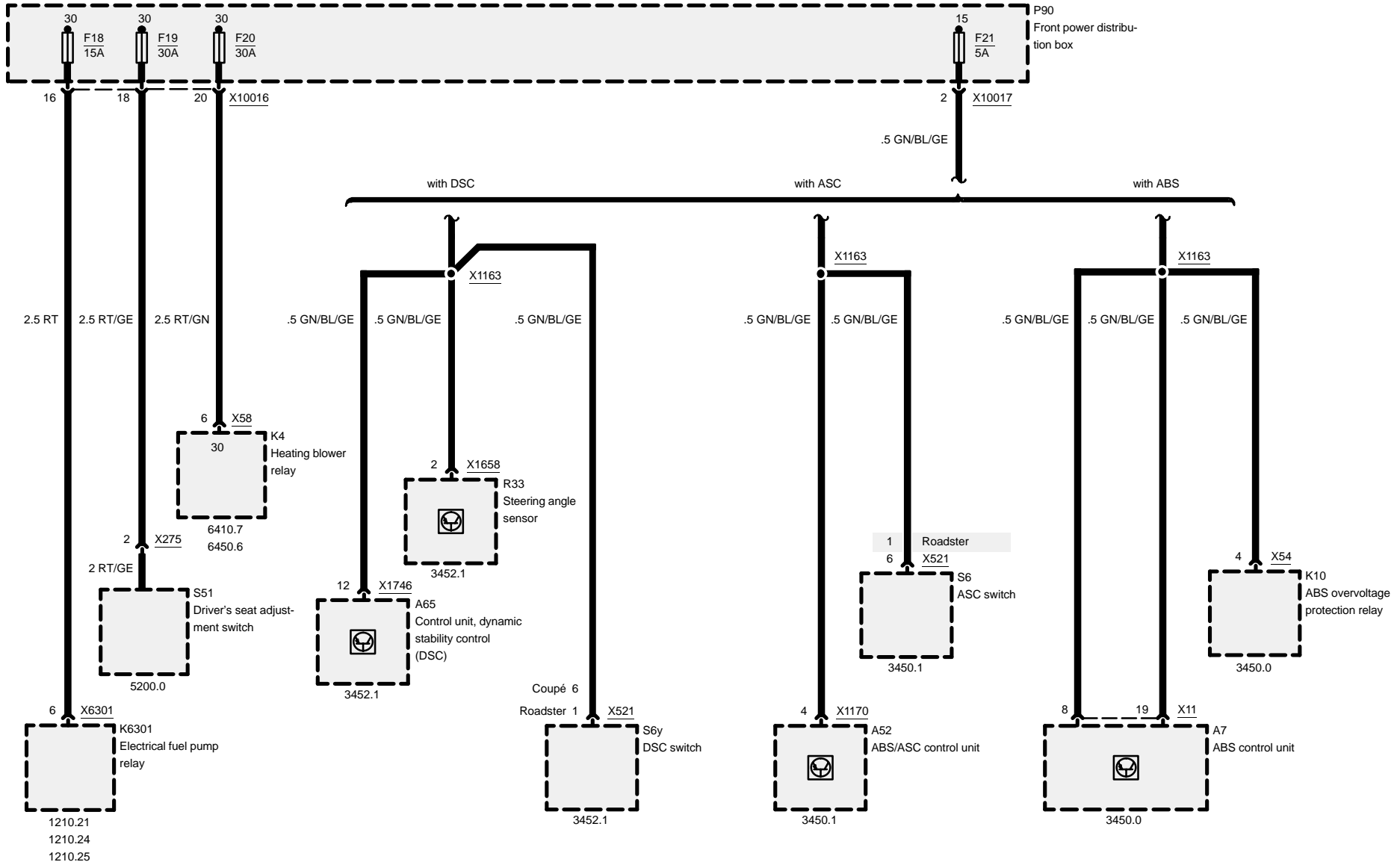




Fuse details

Fuses 18, 19, 20 and 21

Z3

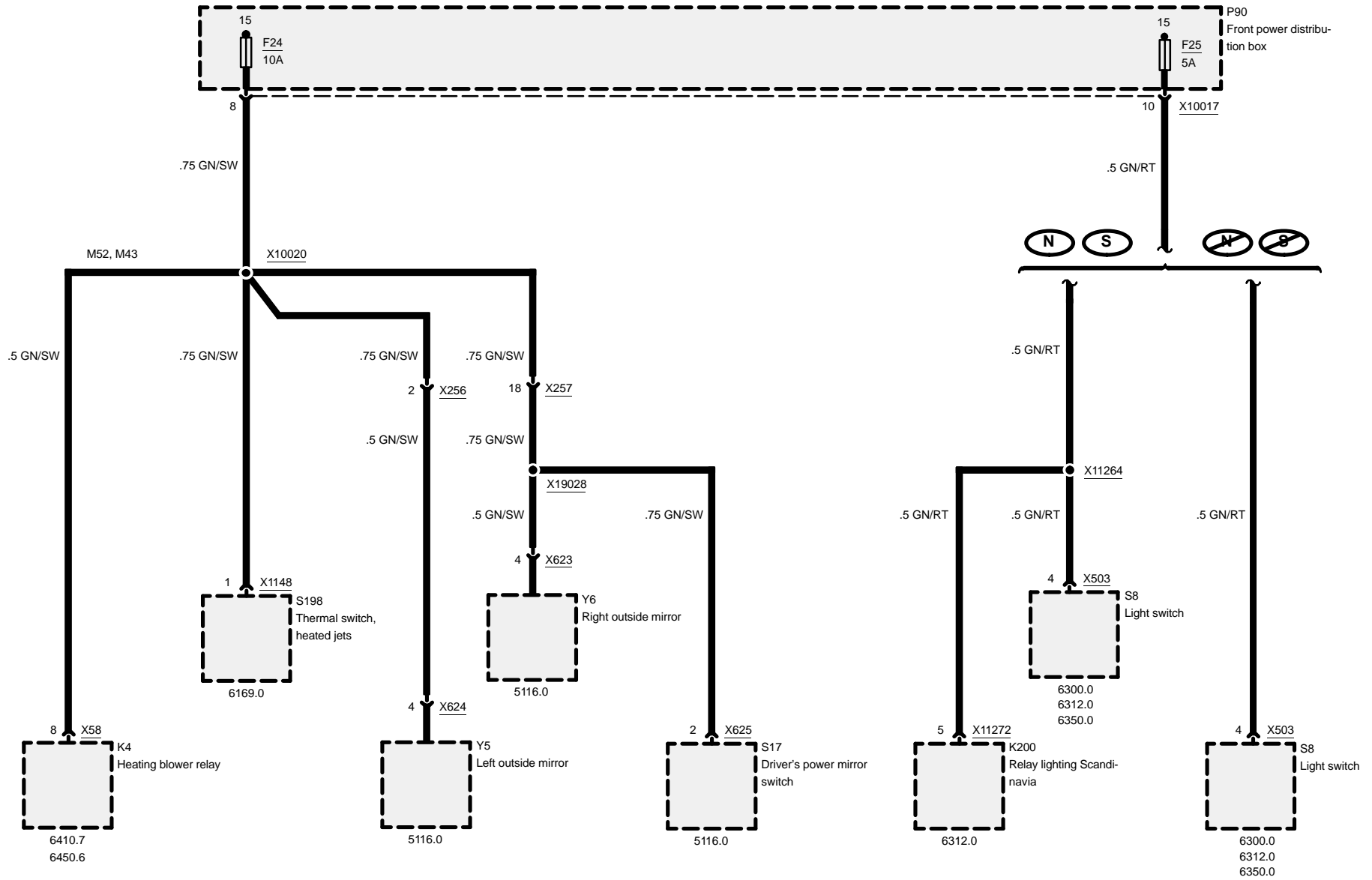




Fuse details

Fuses 24 and 25

Right-hand drive

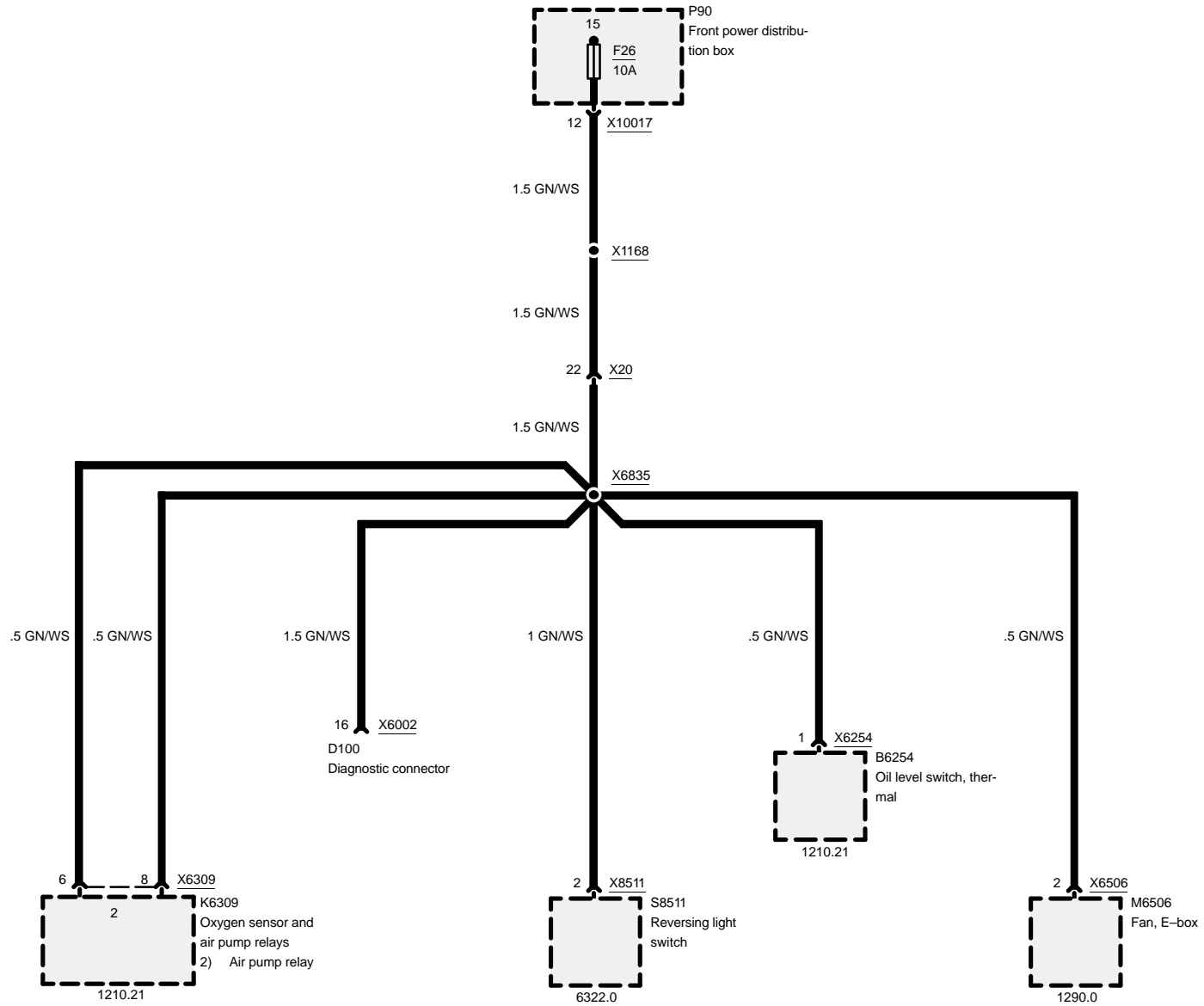




Fuse details

Fuse 26

S50



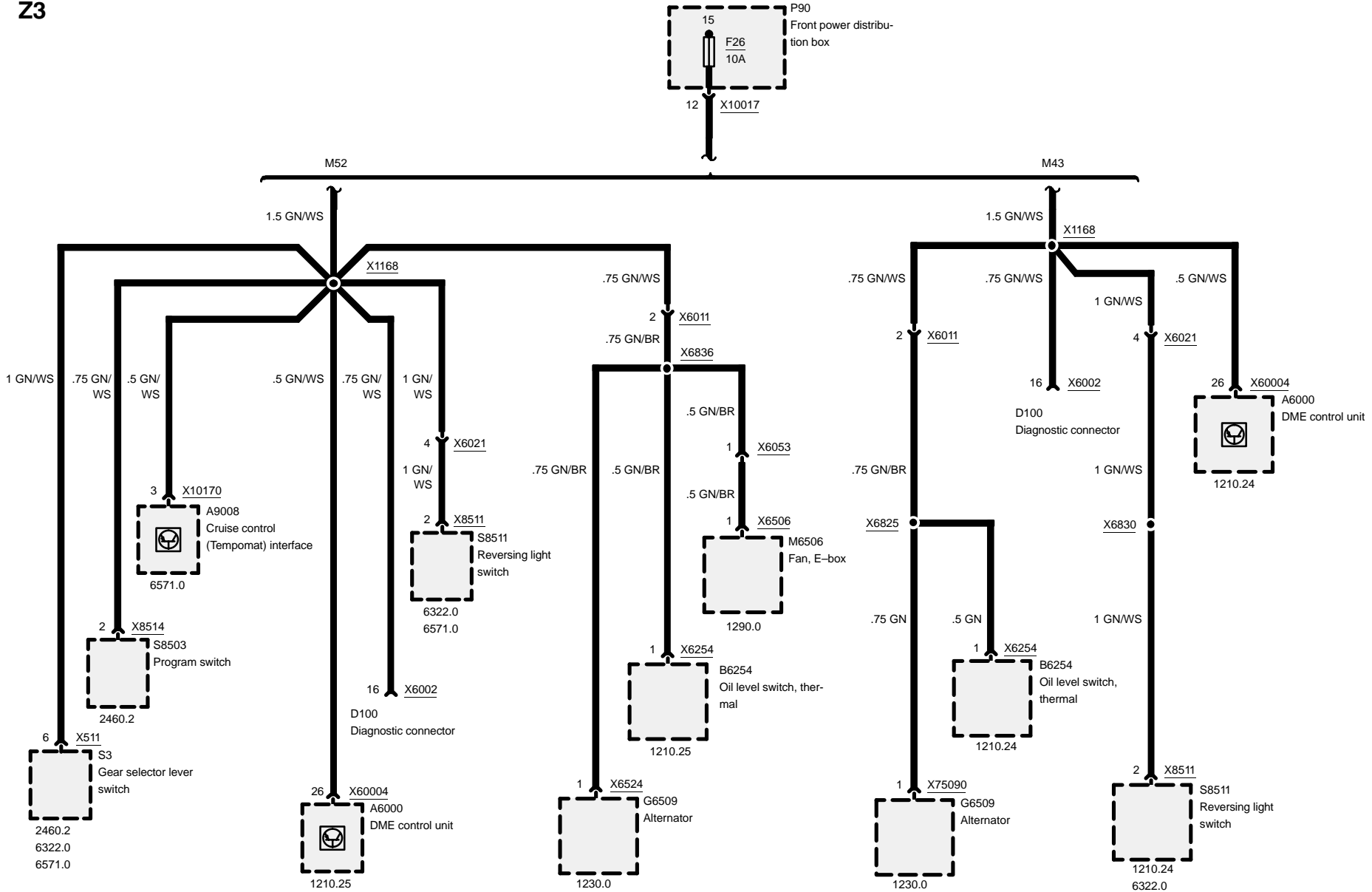


Fuse details

Fuse 26

M43, M52 Right-hand drive

Z3



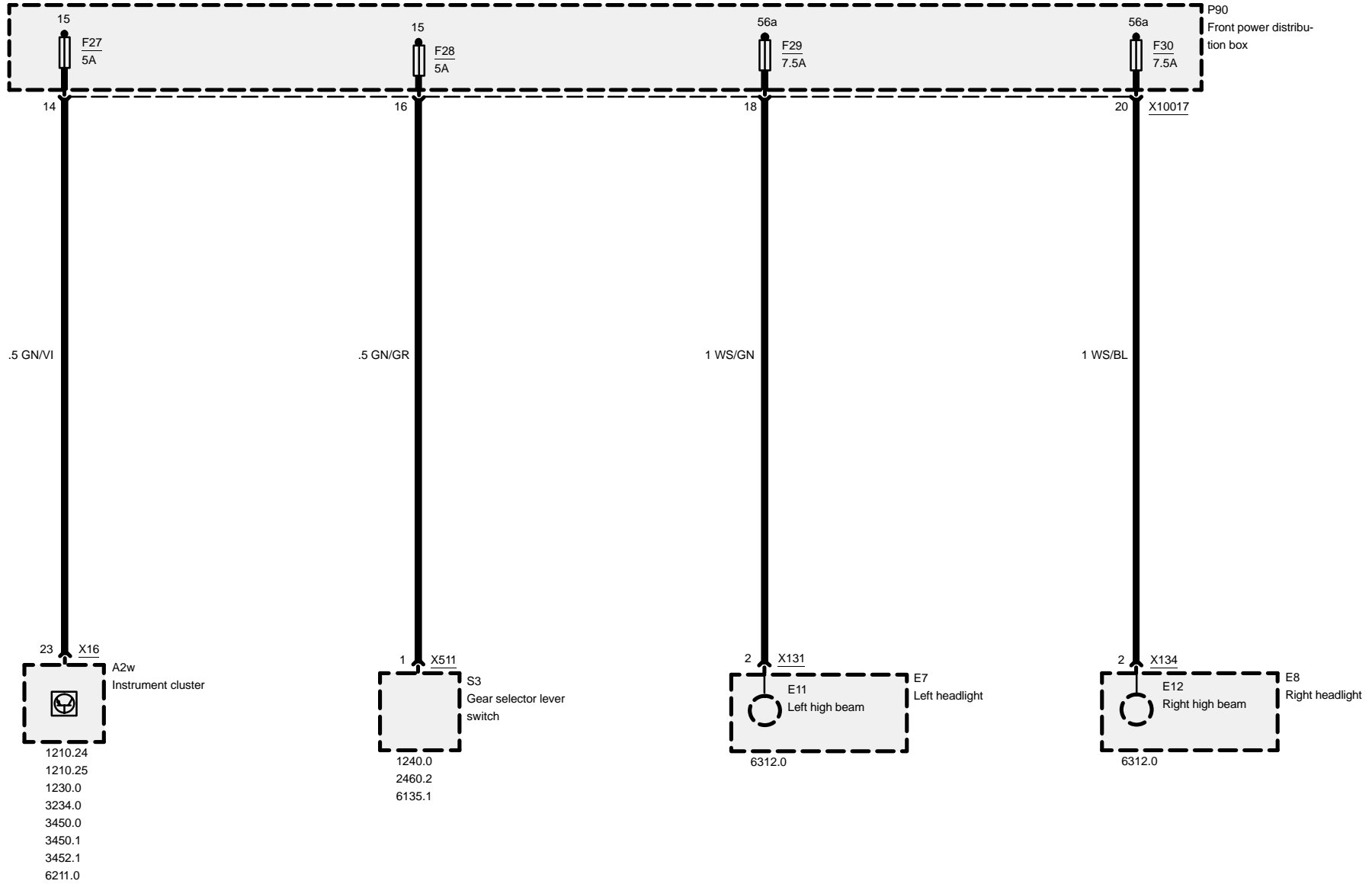


Fuse details

Right-hand drive

Fuses 27, 28, 29 and 30

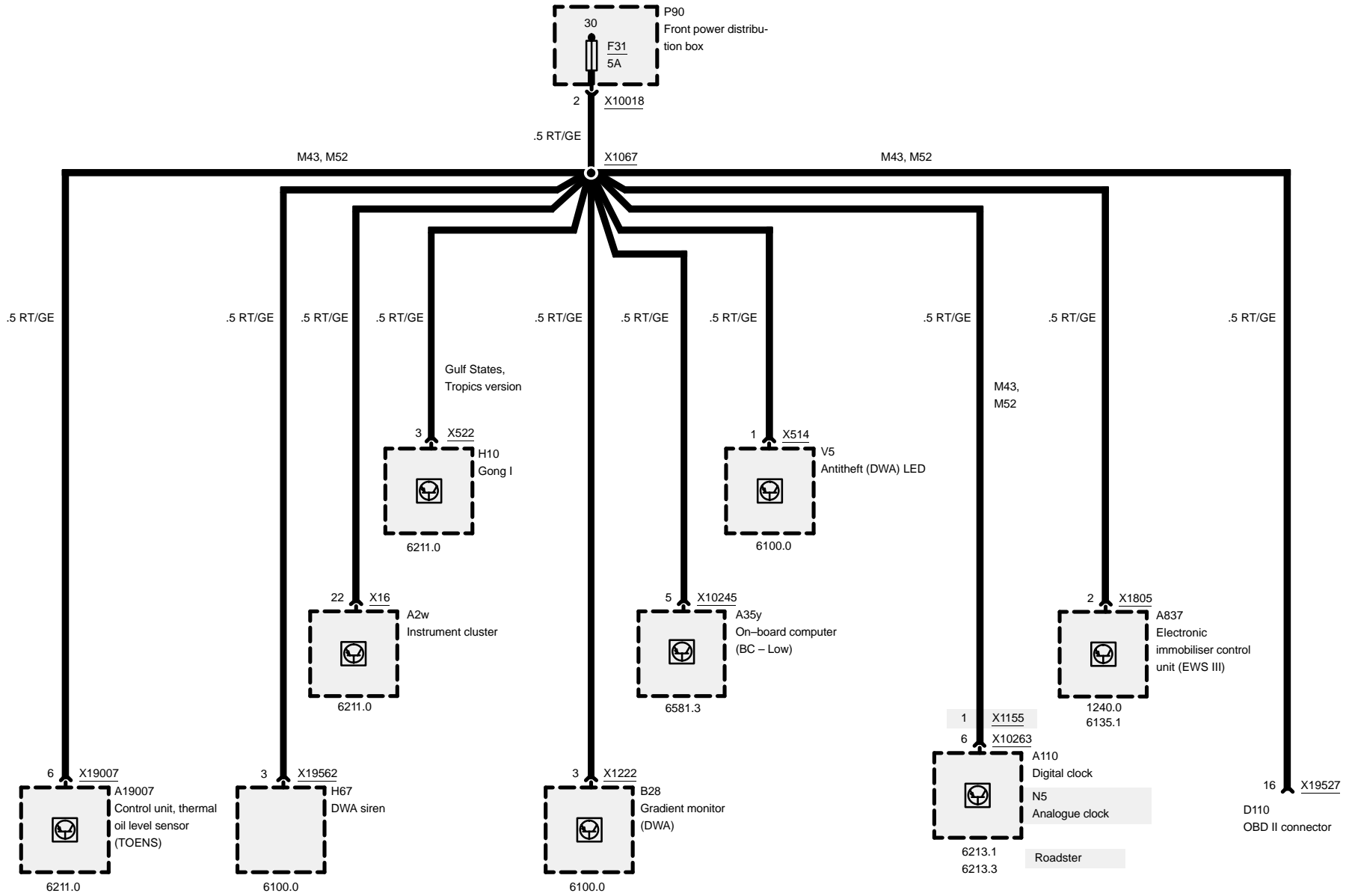
Z3





Fuse details

Fuse 31



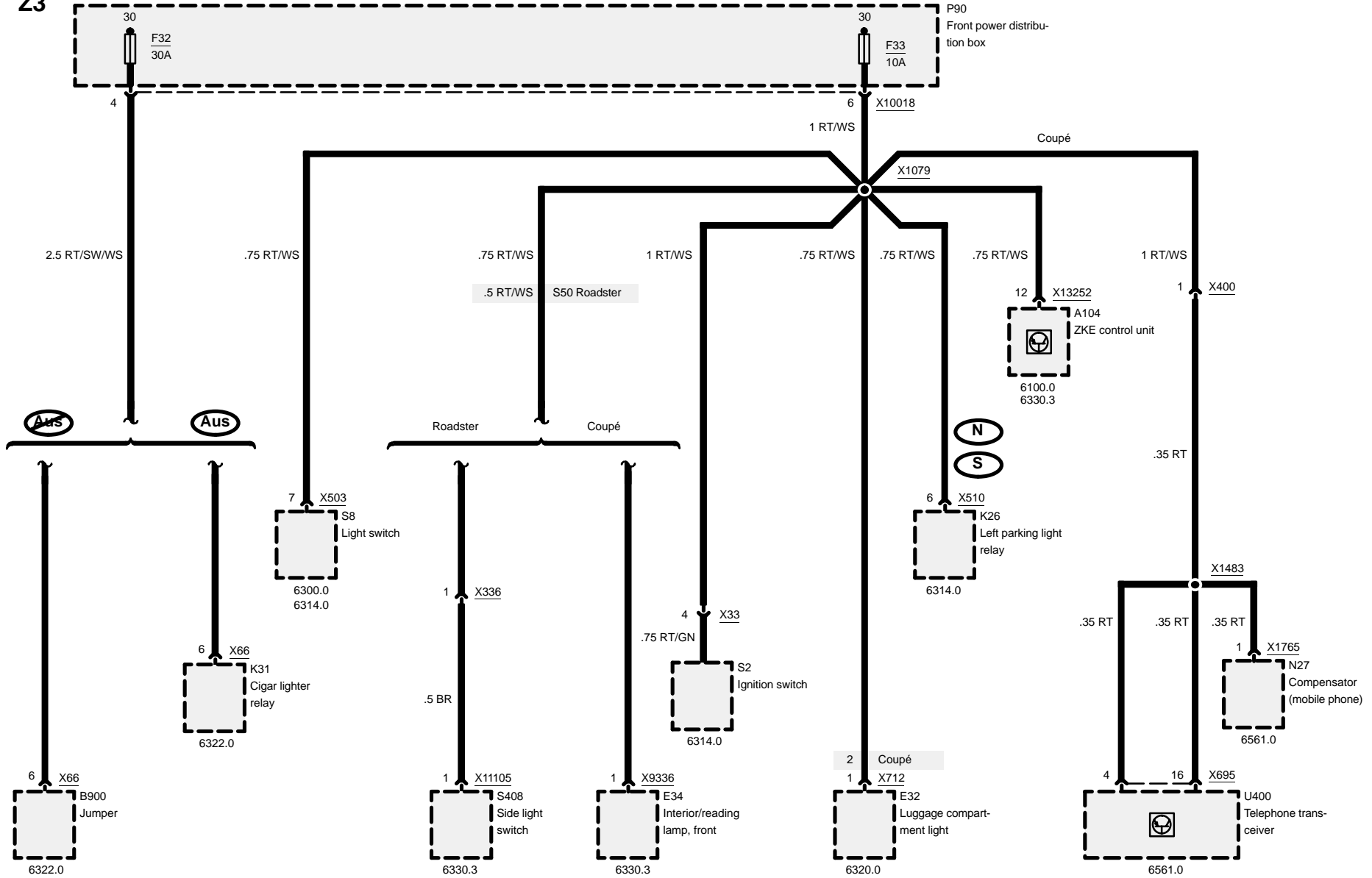


Fuse details

Right-hand drive

Fuses 32 and 33

Z3

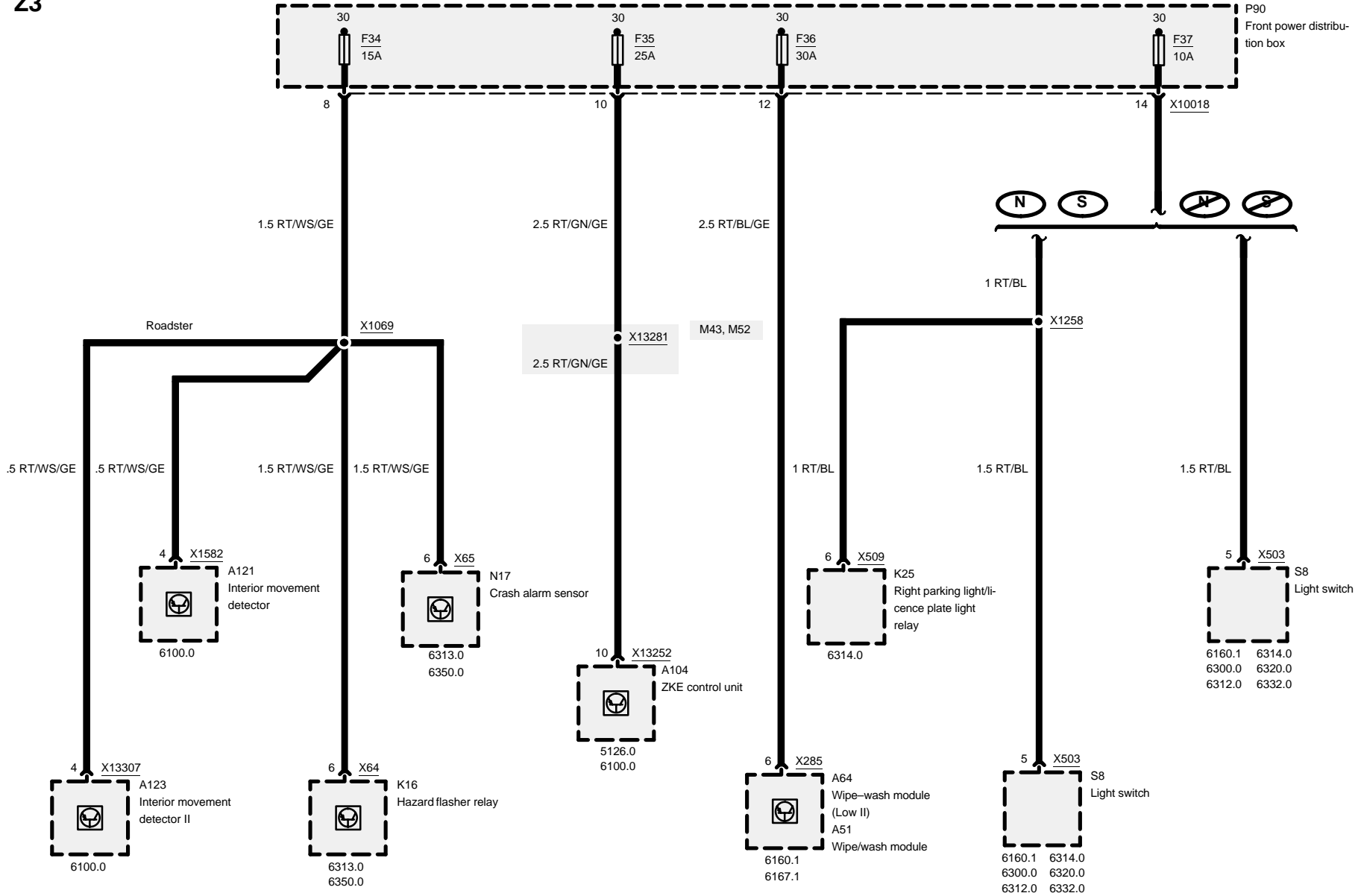




Fuse details

Fuses 34, 35, 36 and 37

Z3

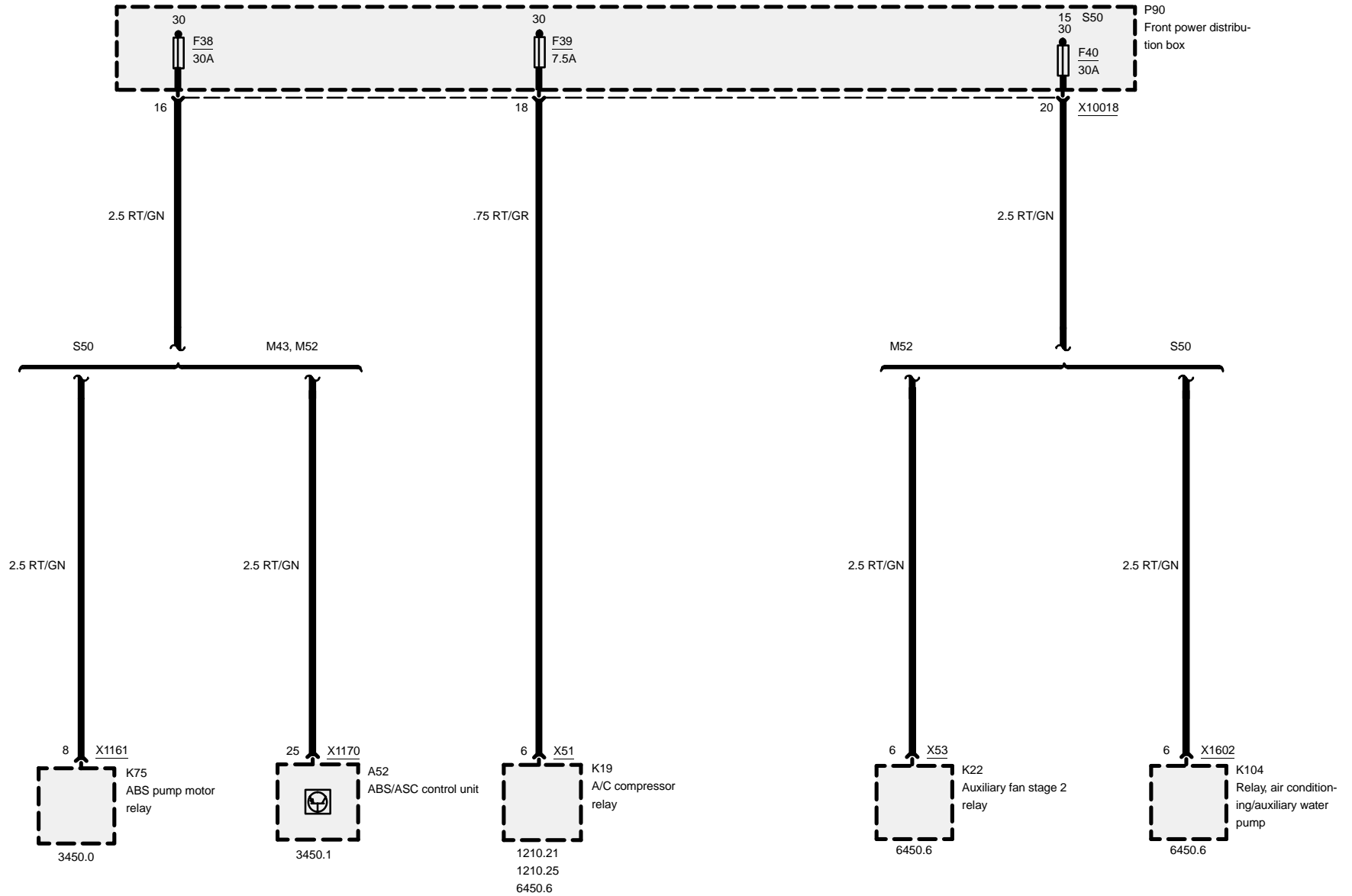




Fuse details

Fuses 38, 39 and 40

Z3

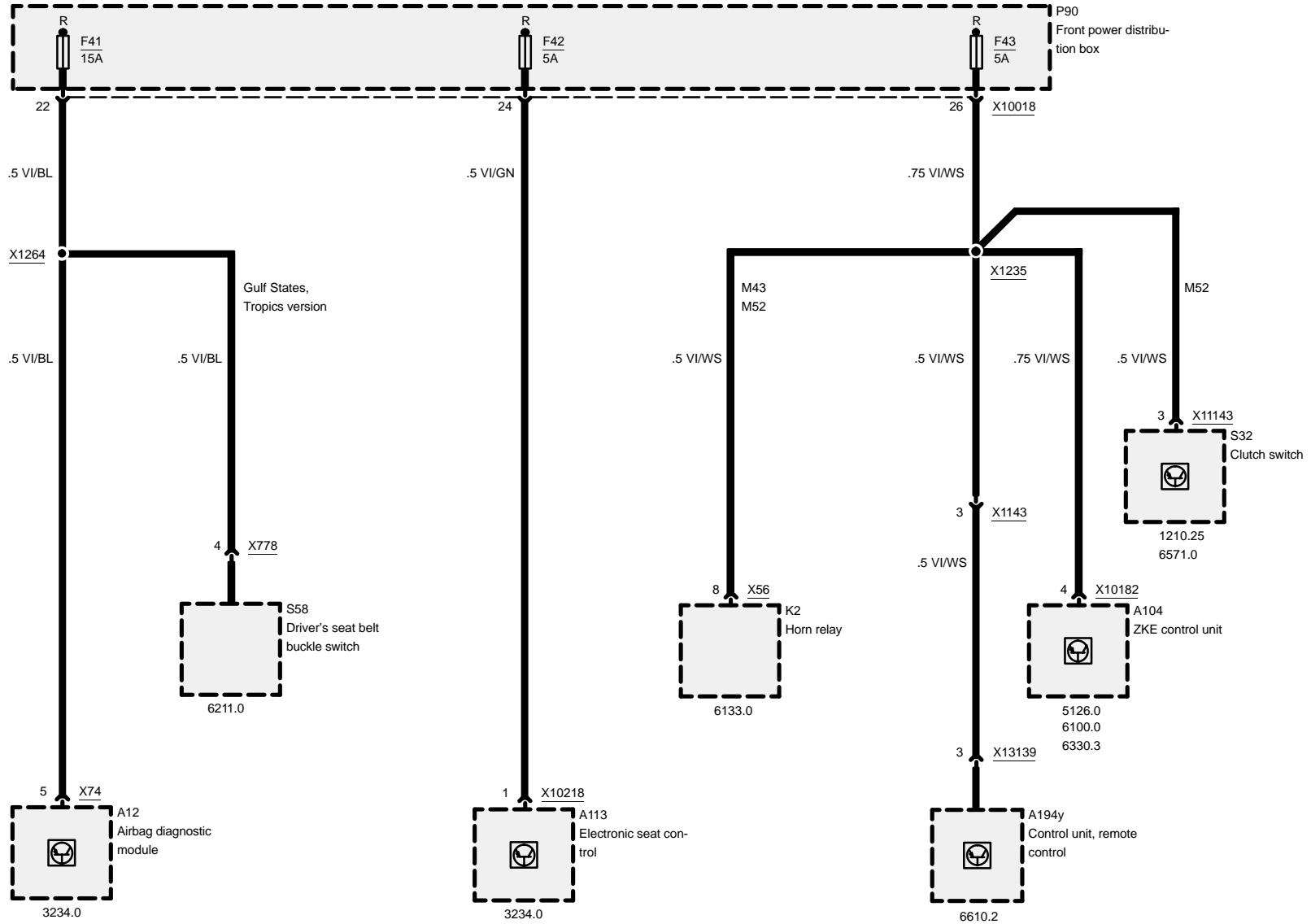




Fuse details

Fuses 41, 42 and 43

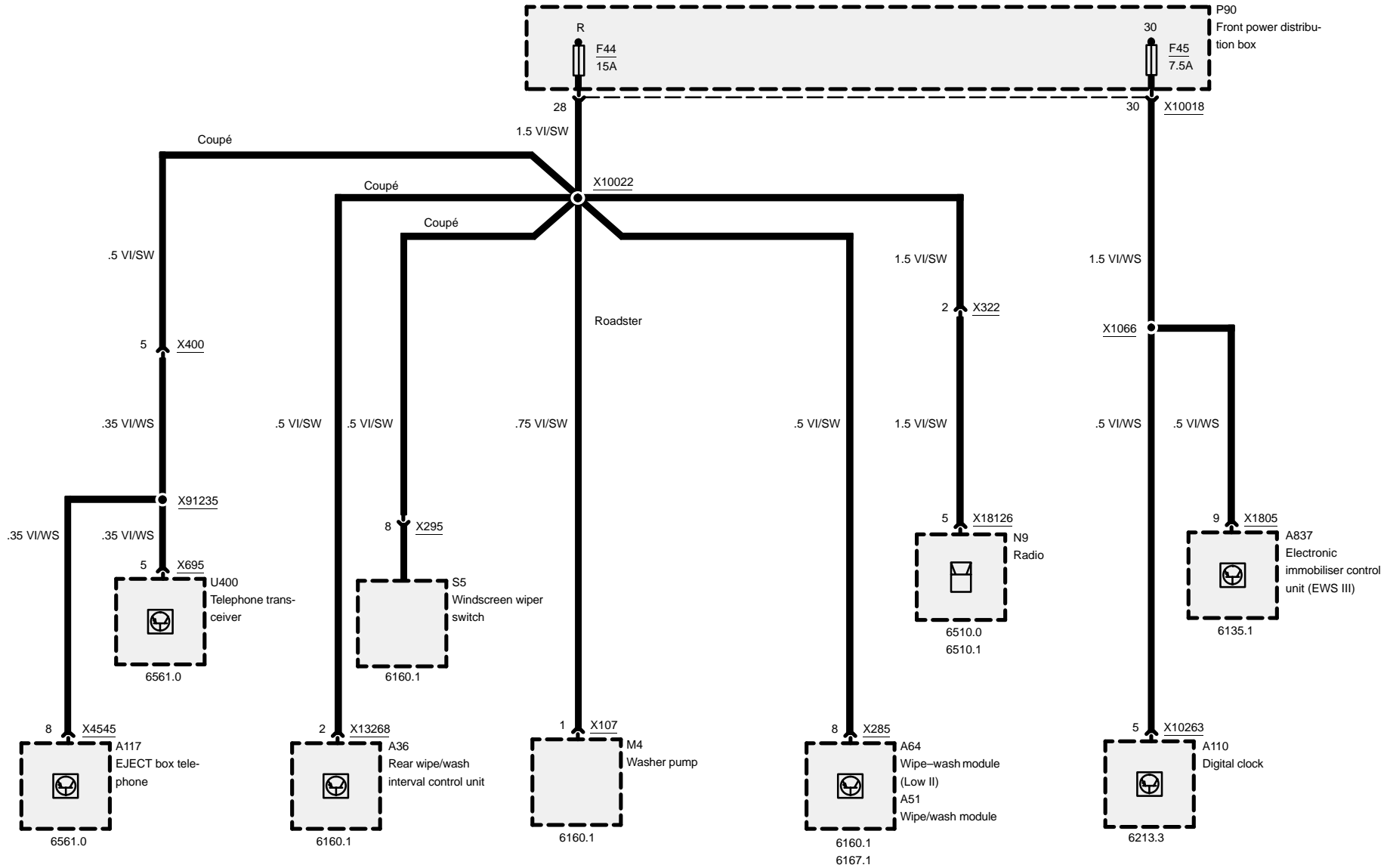
Z3





Fuse details

Fuses 44 and 45

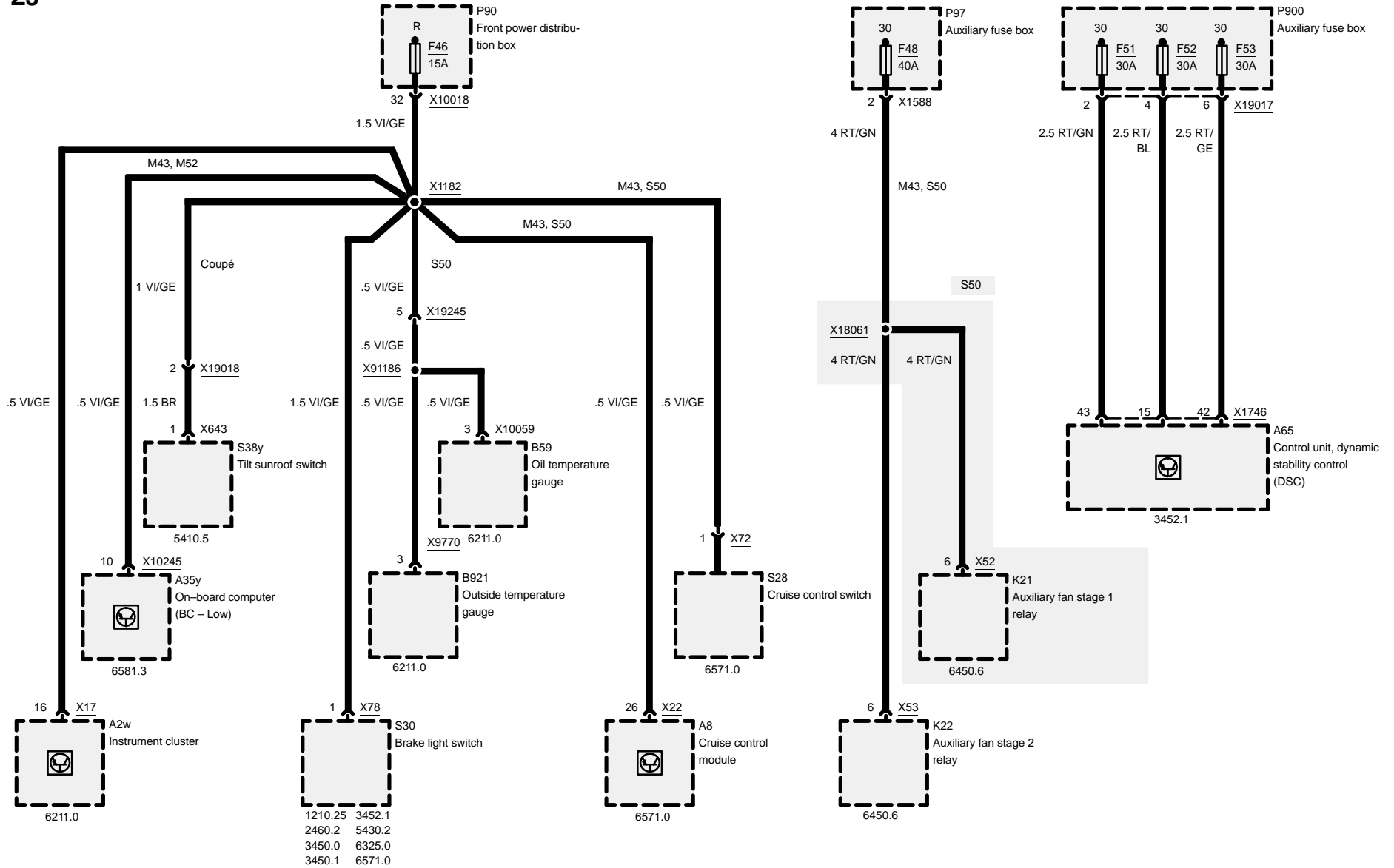




Fuse details

Fuses 46, 48, 51, 52 and 53

Z3



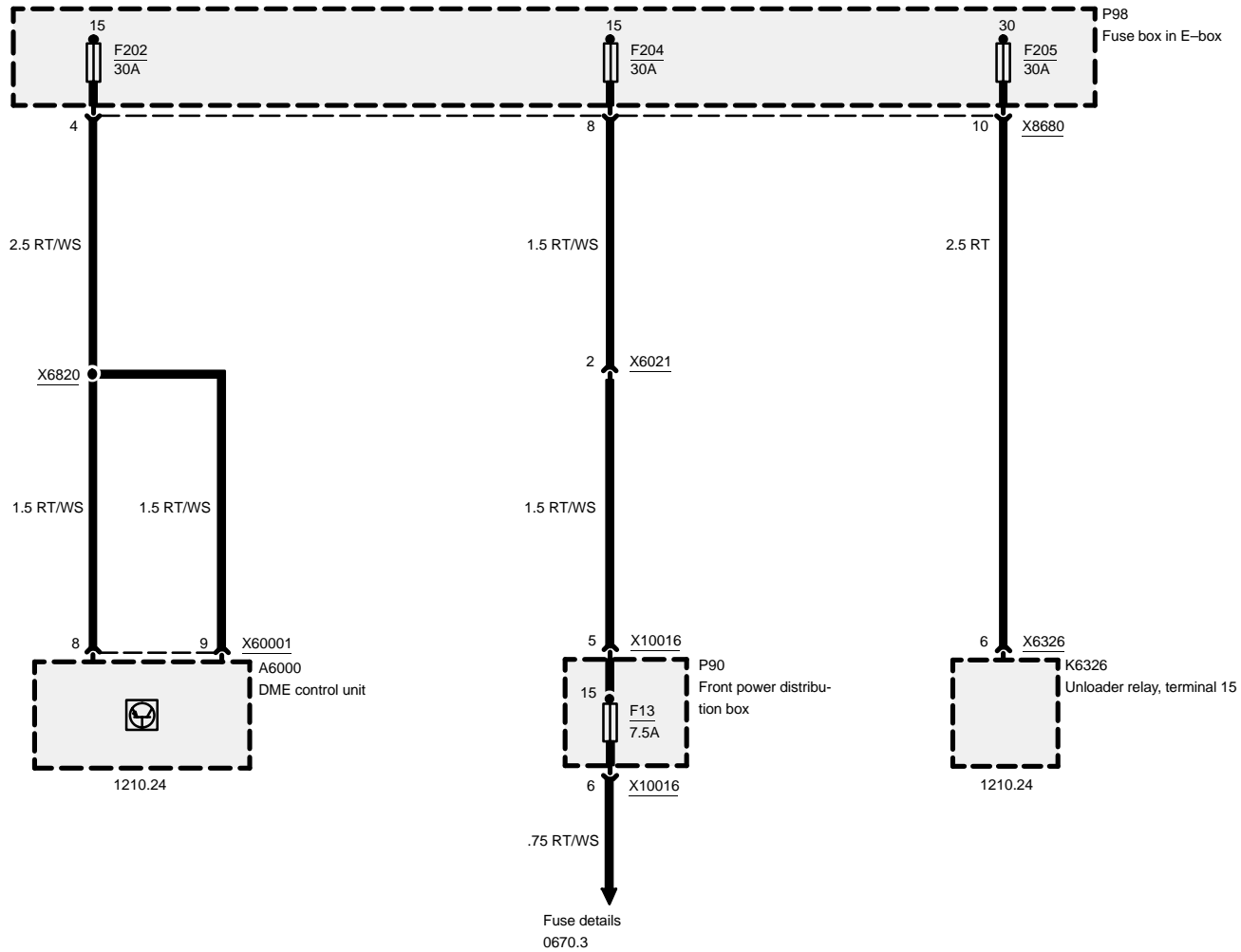


Z3

Fuse details

Fuses 202, 204 and 205

M43



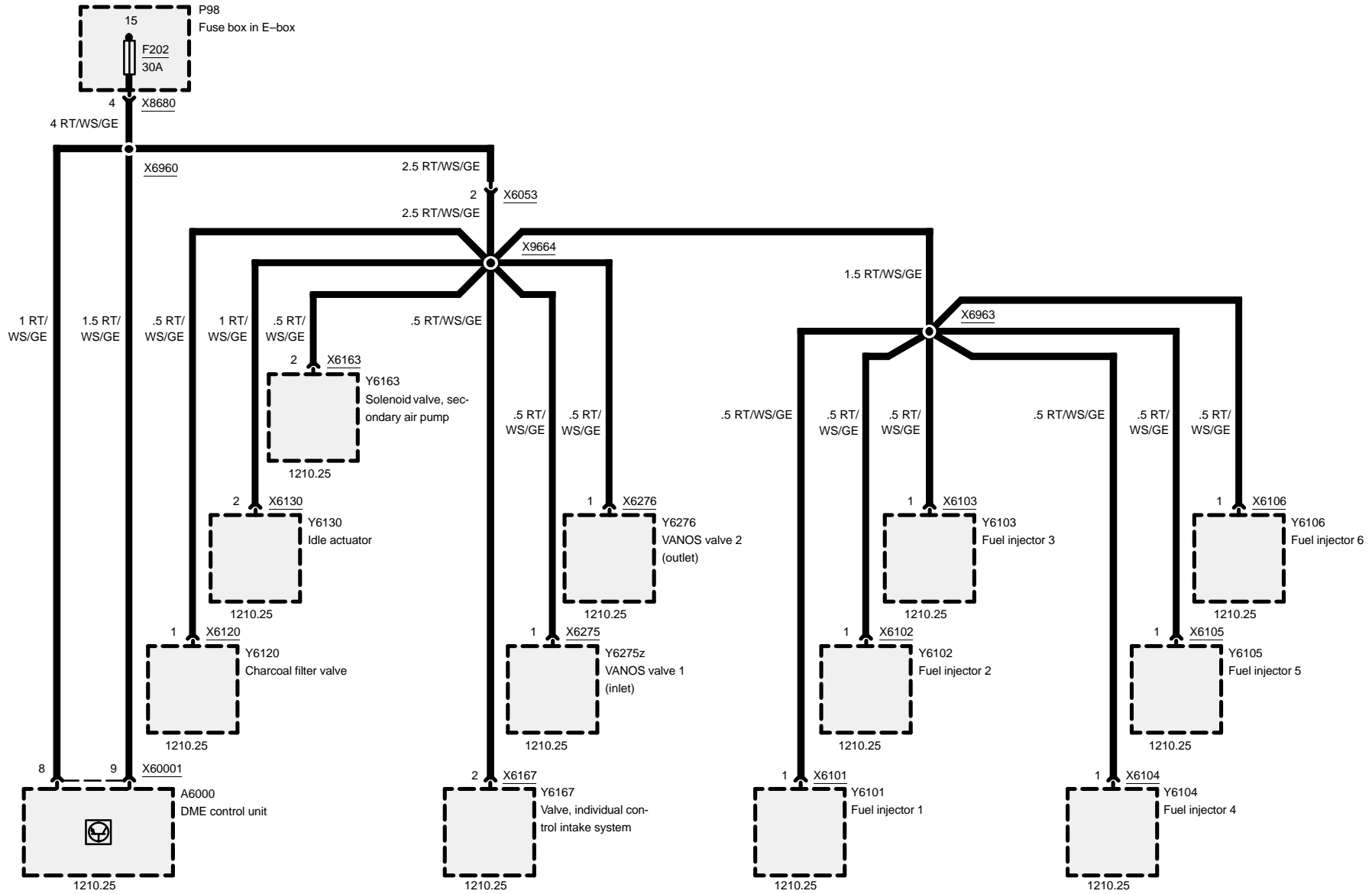


Fuse details

M52 Right-hand drive

Fuse 202

Z3



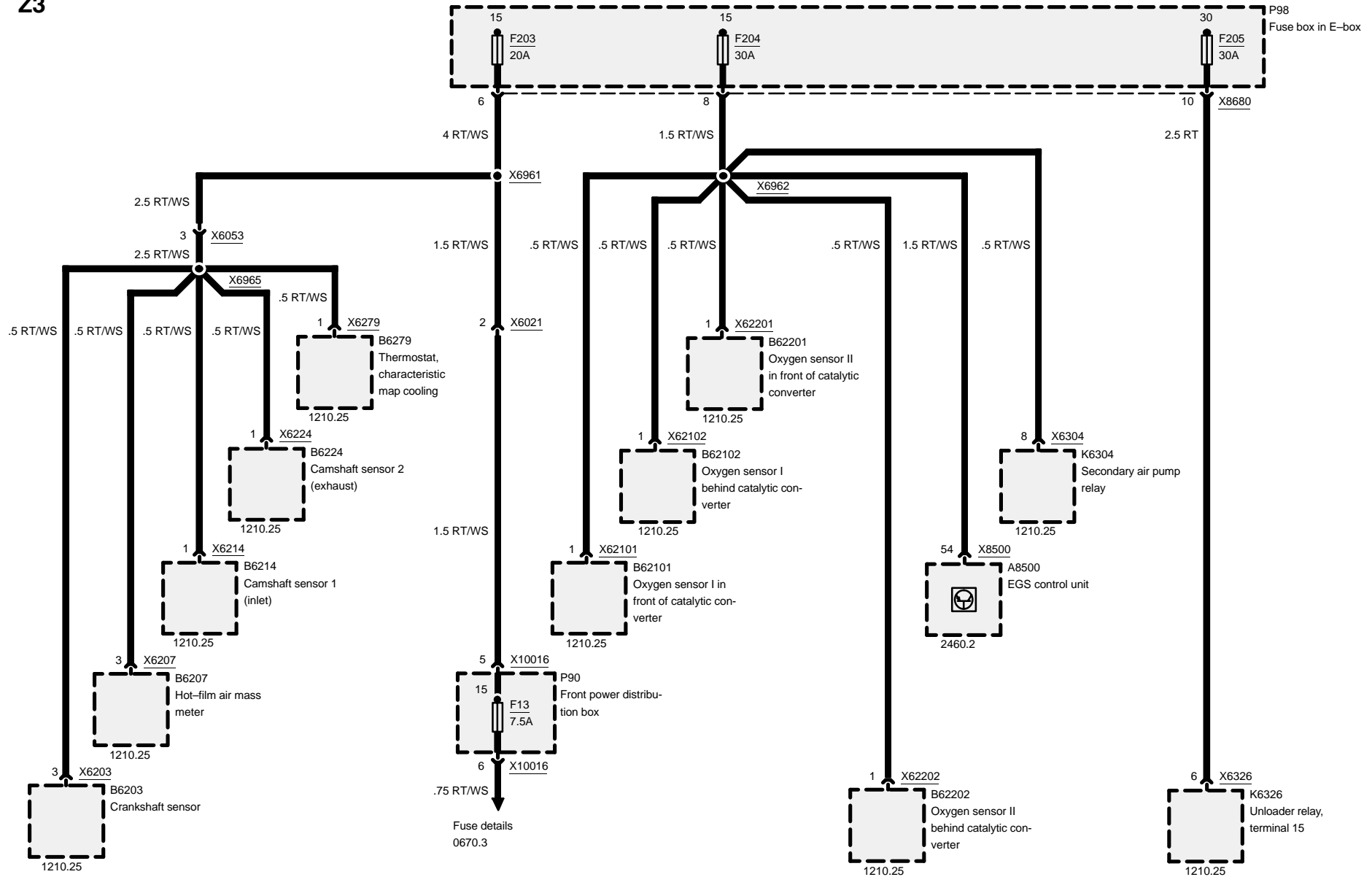


Z3

Fuse details

Fuses 203, 204 and 205

M52 Right-hand drive

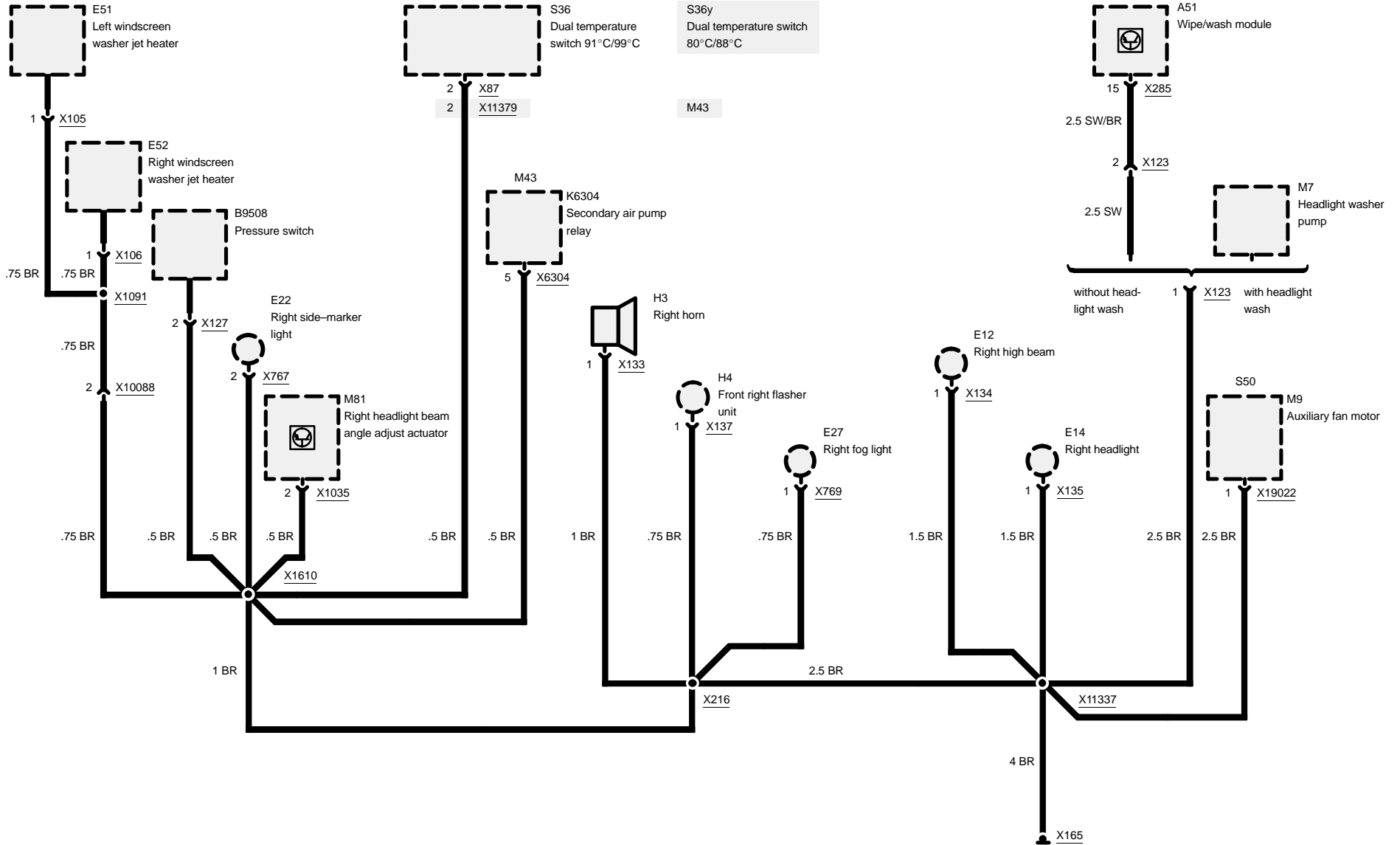




0670.4 Ground distribution

Ground X165

Z3

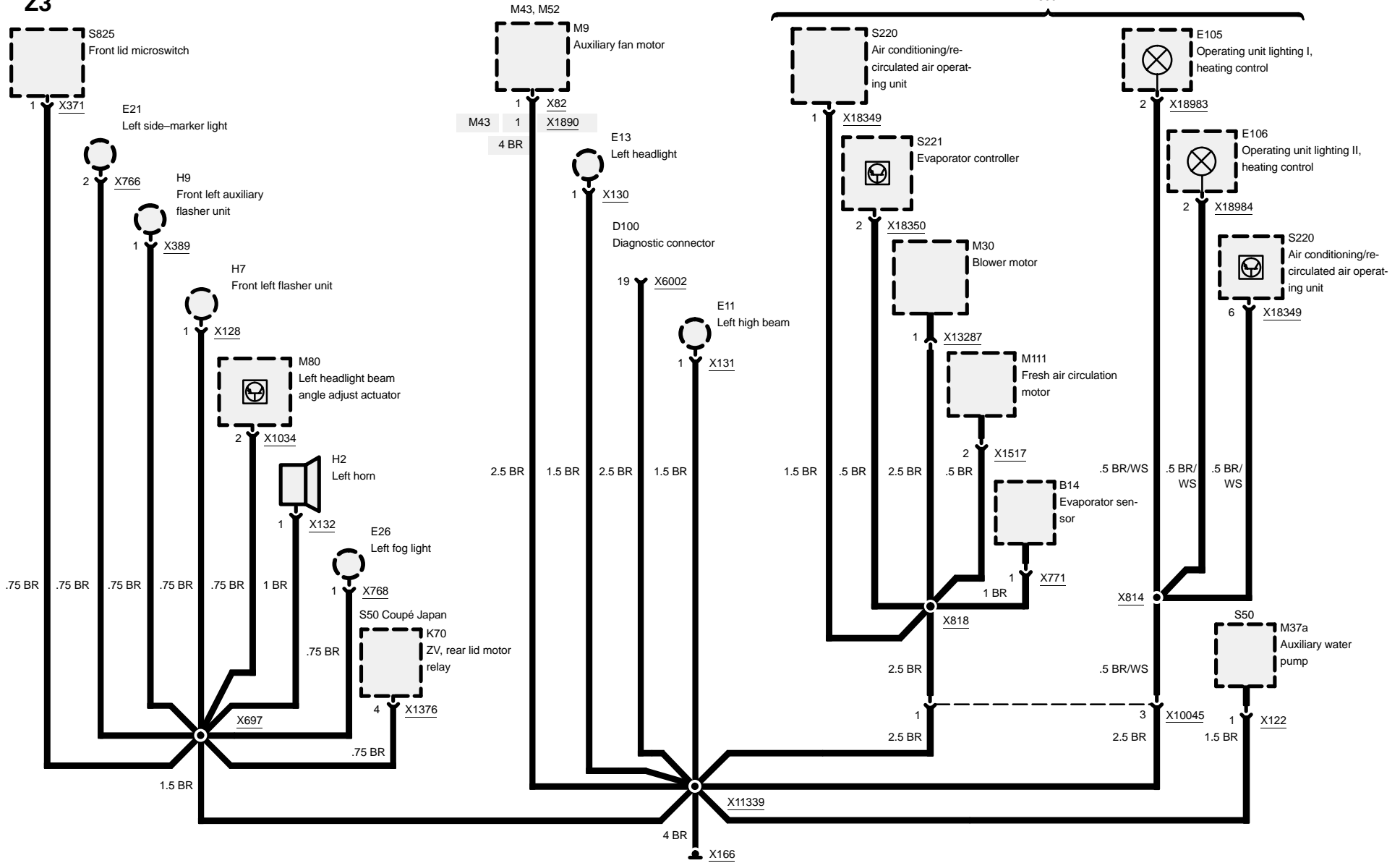




Ground distribution

Ground X166

Z3

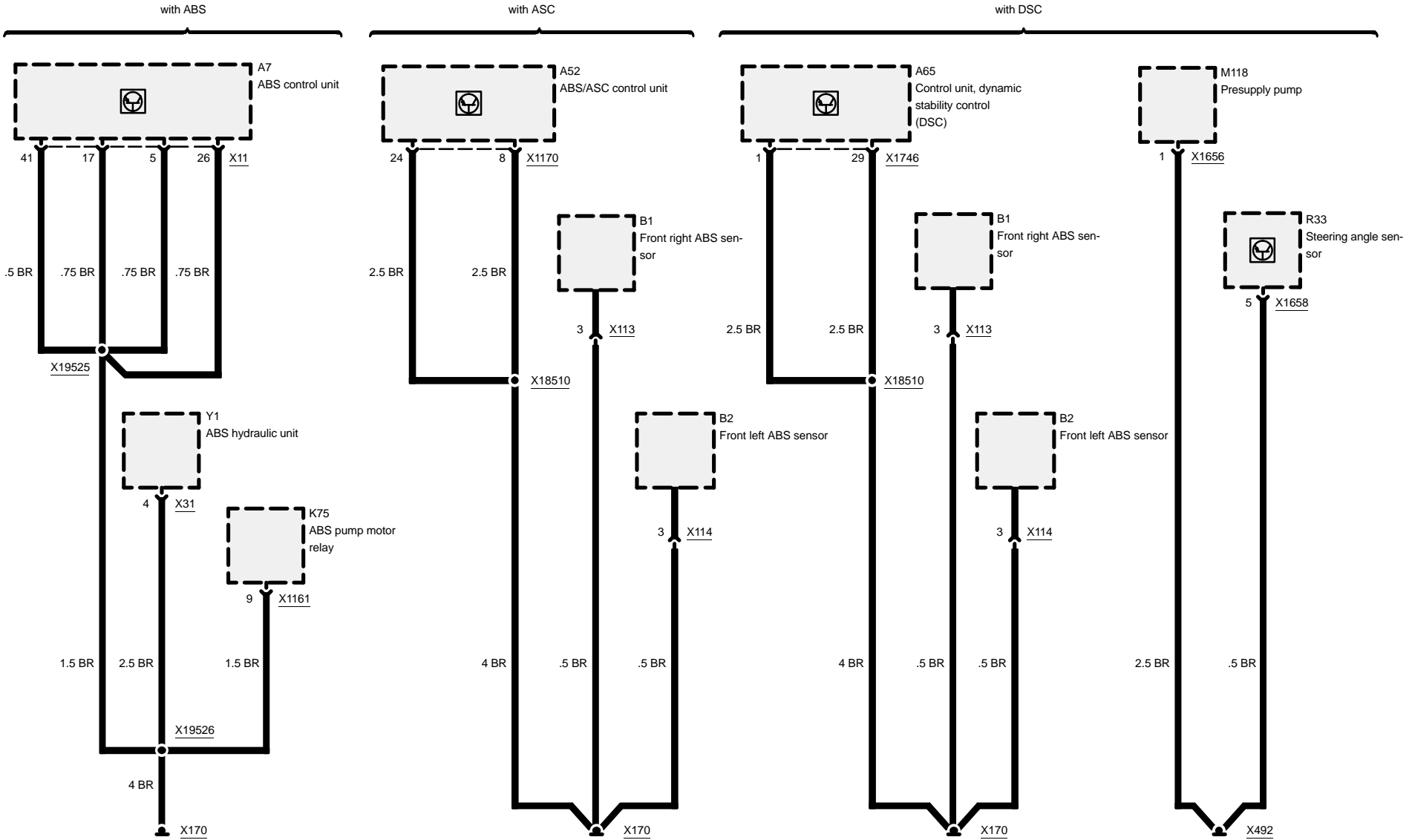




Ground distribution

Ground X170 and X492

Z3

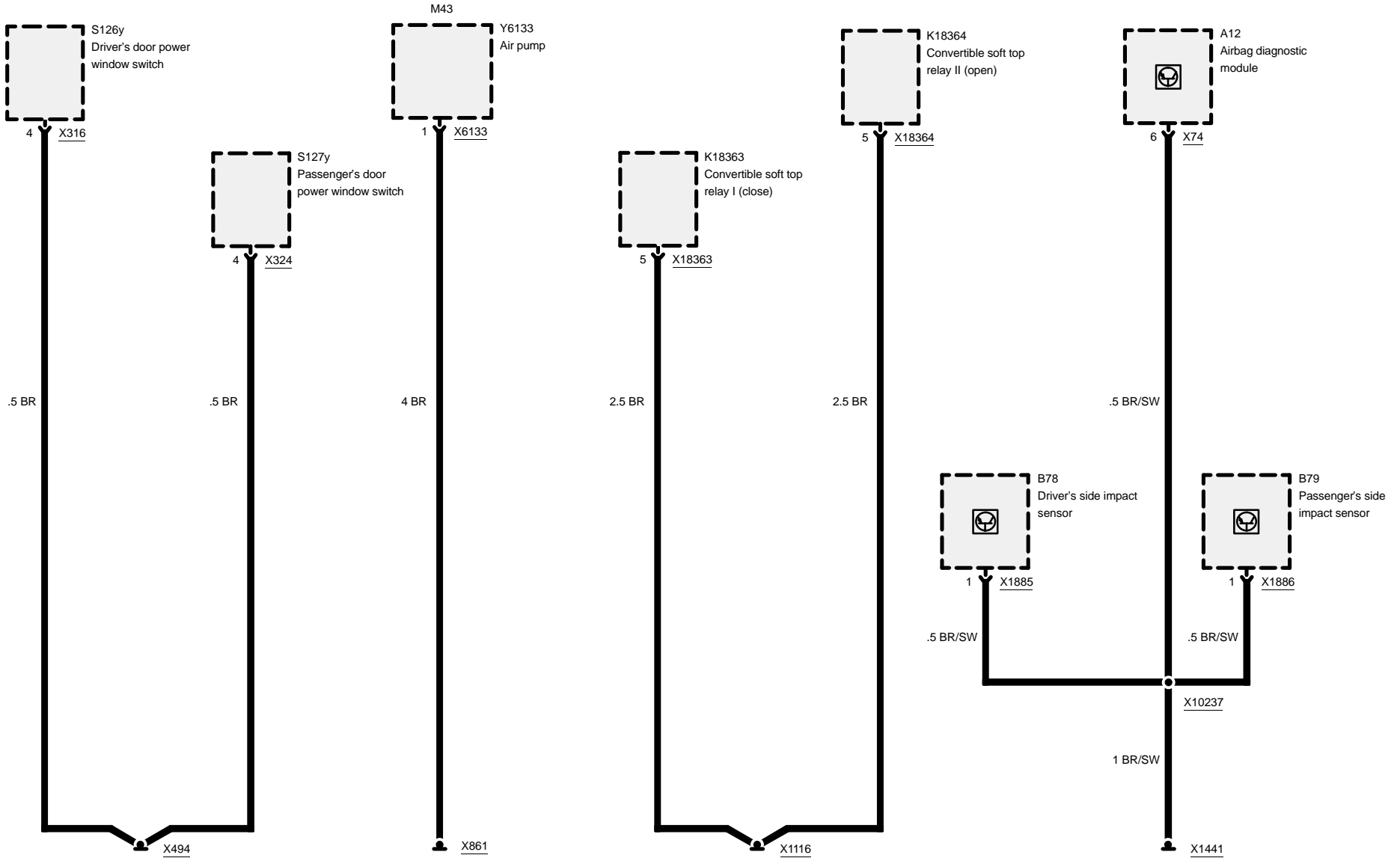




Ground distribution

Ground X494, X861, X1116 and X1441

Z3



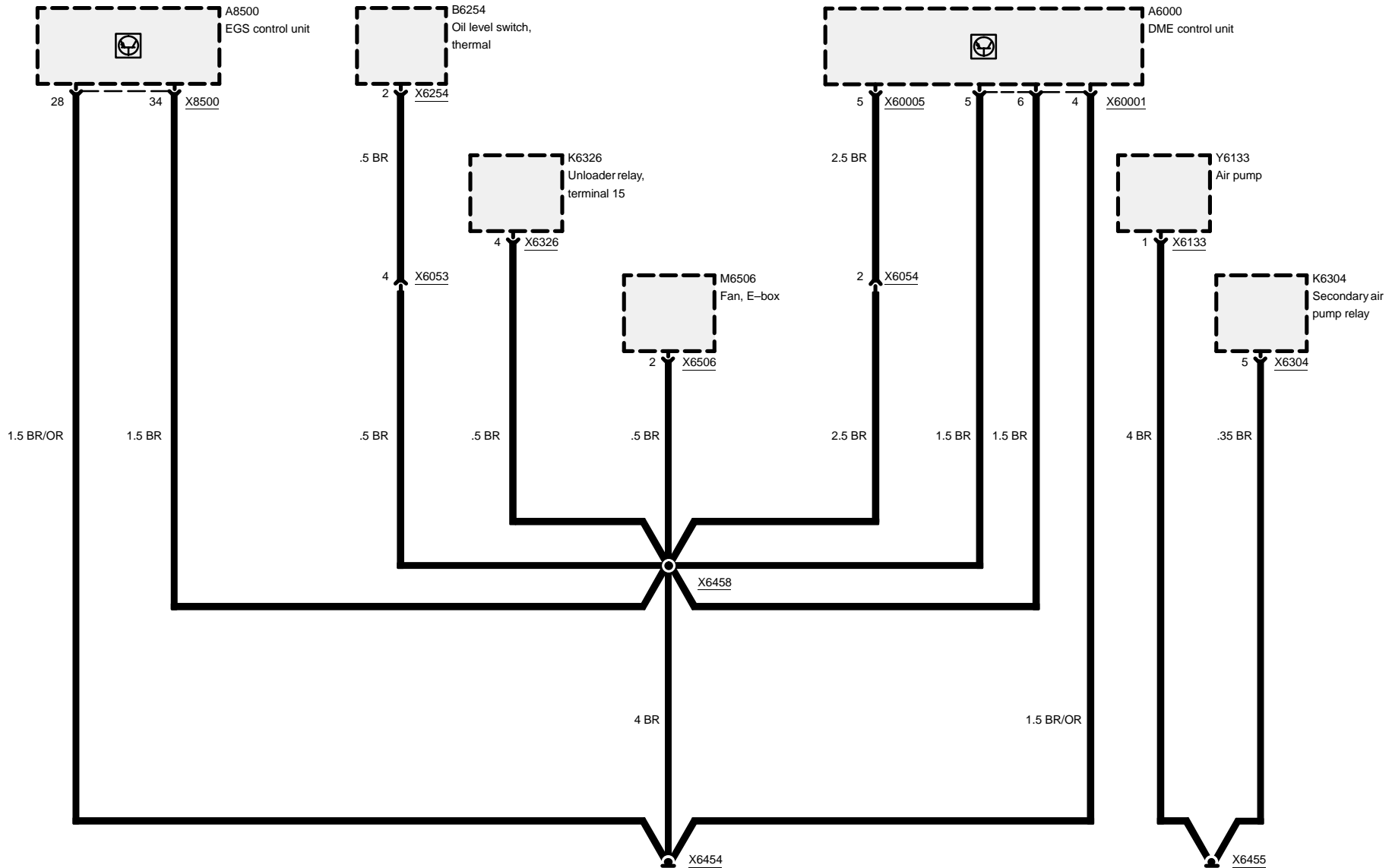


Ground distribution

M52 Right-hand drive

Ground X6454 and X6455

Z3



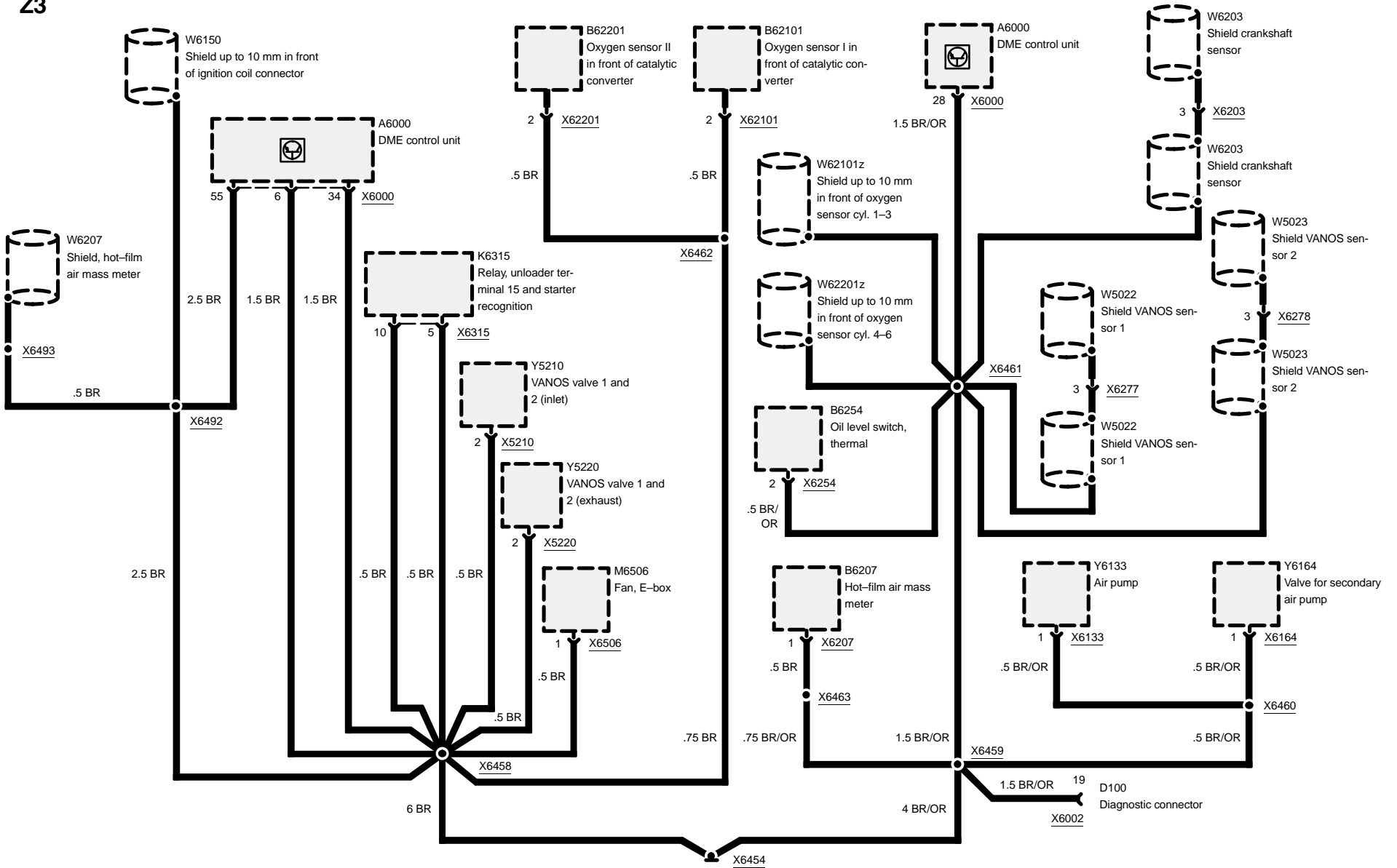


Ground distribution

Ground X6454

Z3

S50 Right-hand drive



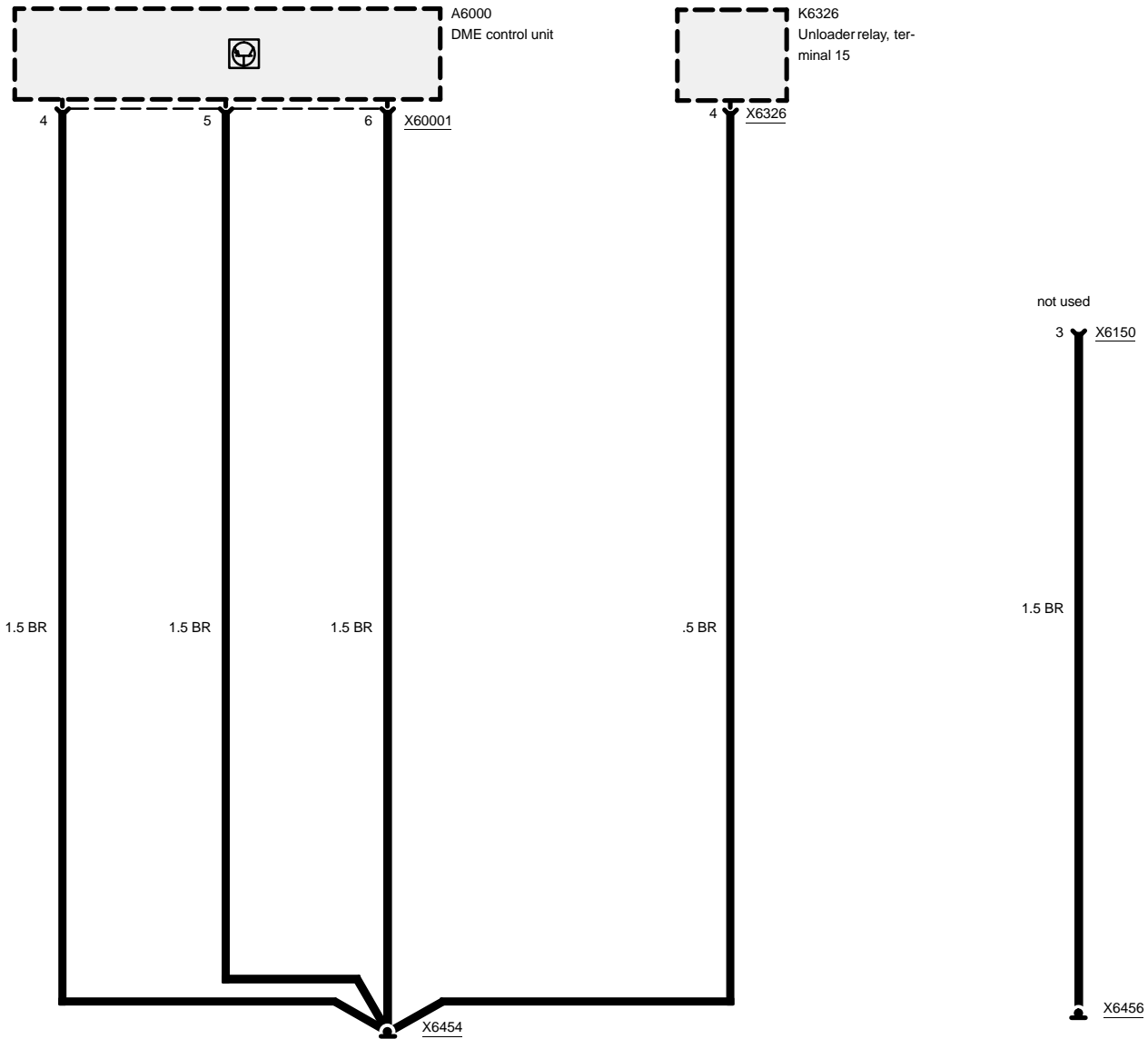


Z3

Ground distribution

Ground X6454 and X6456

M43



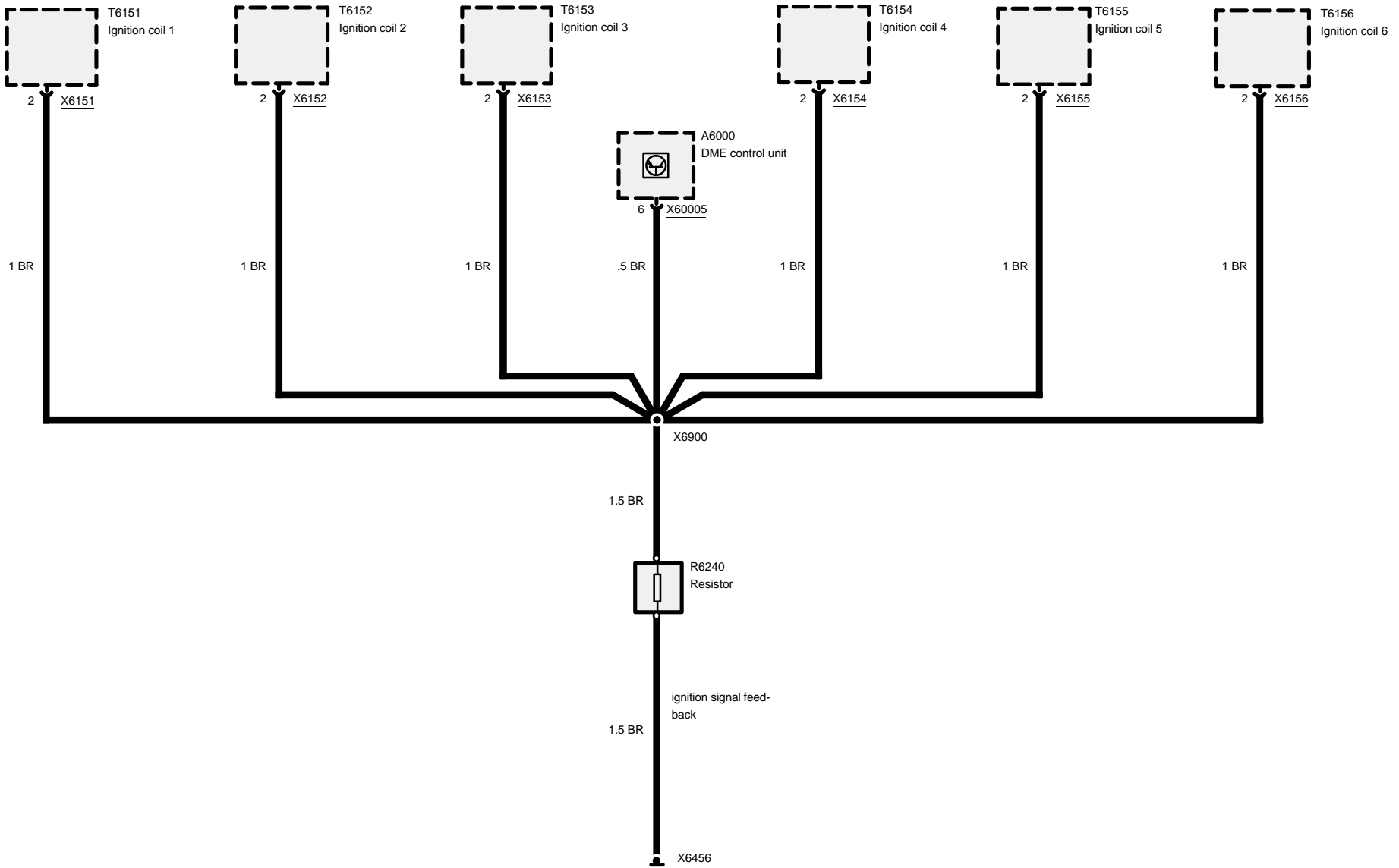


Z3

Ground distribution

Ground X6456

M52



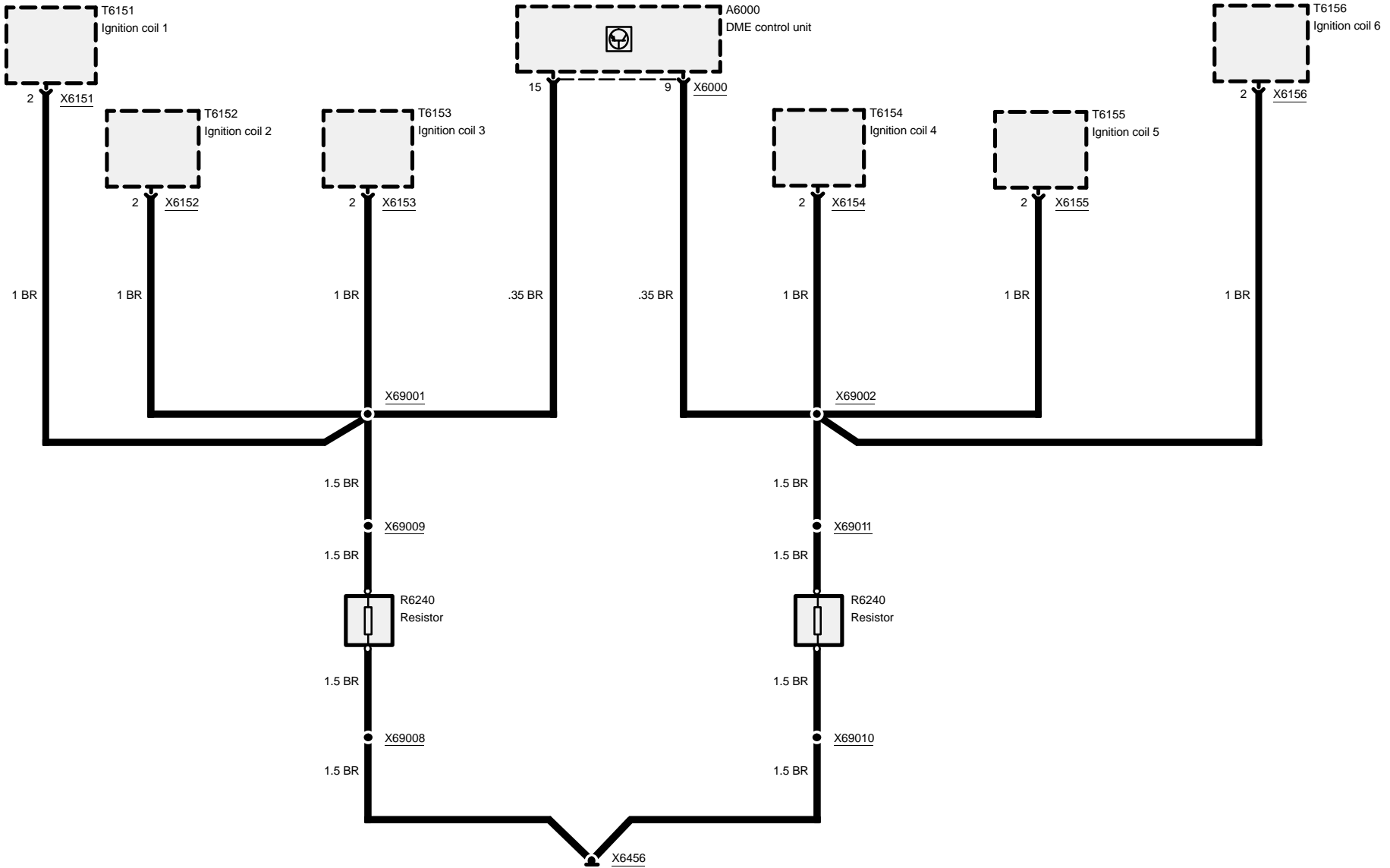


Ground distribution

S50

Ground X6456

Z3



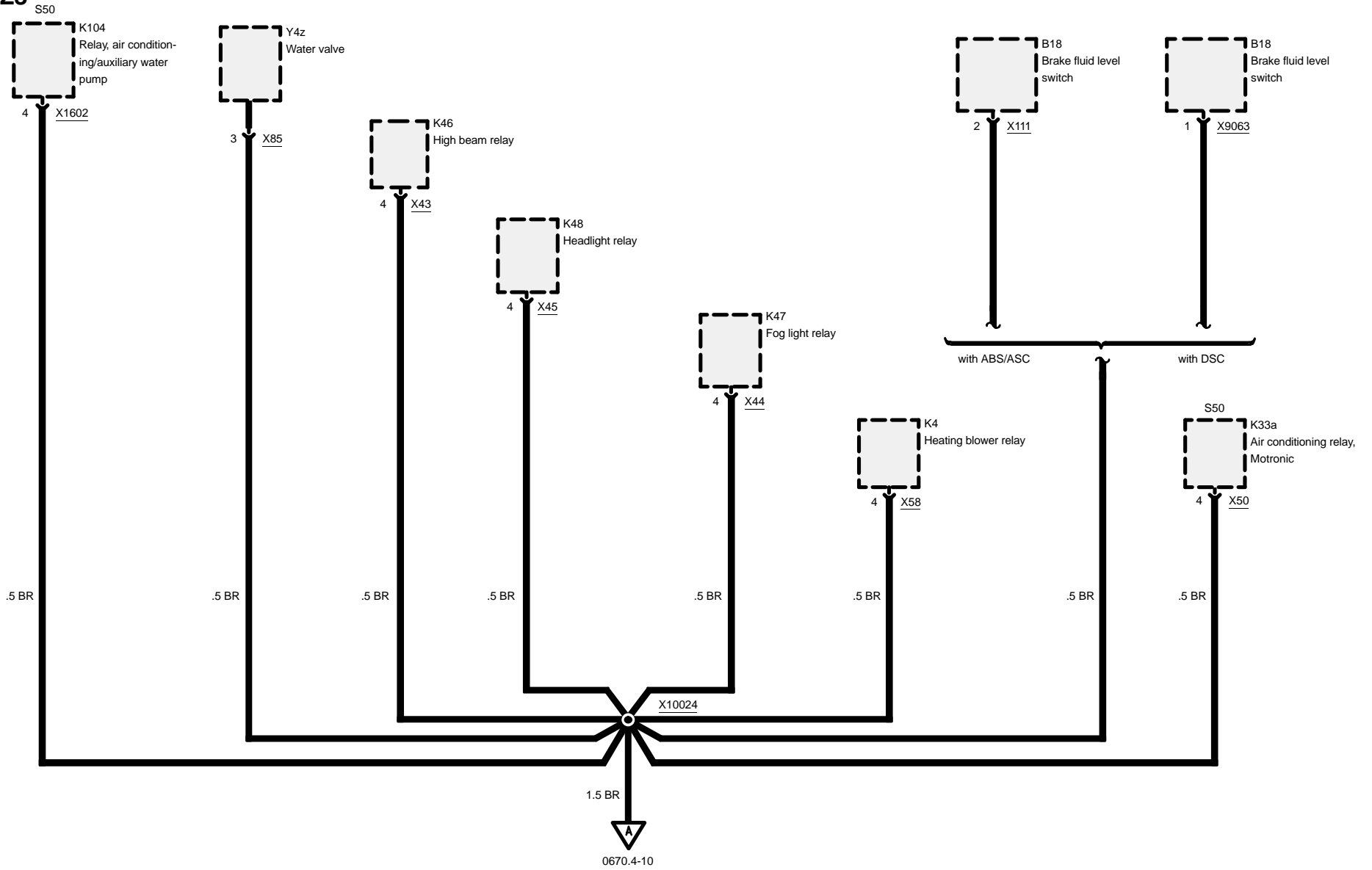


Ground distribution

Right-hand drive

Ground X9633

Z3



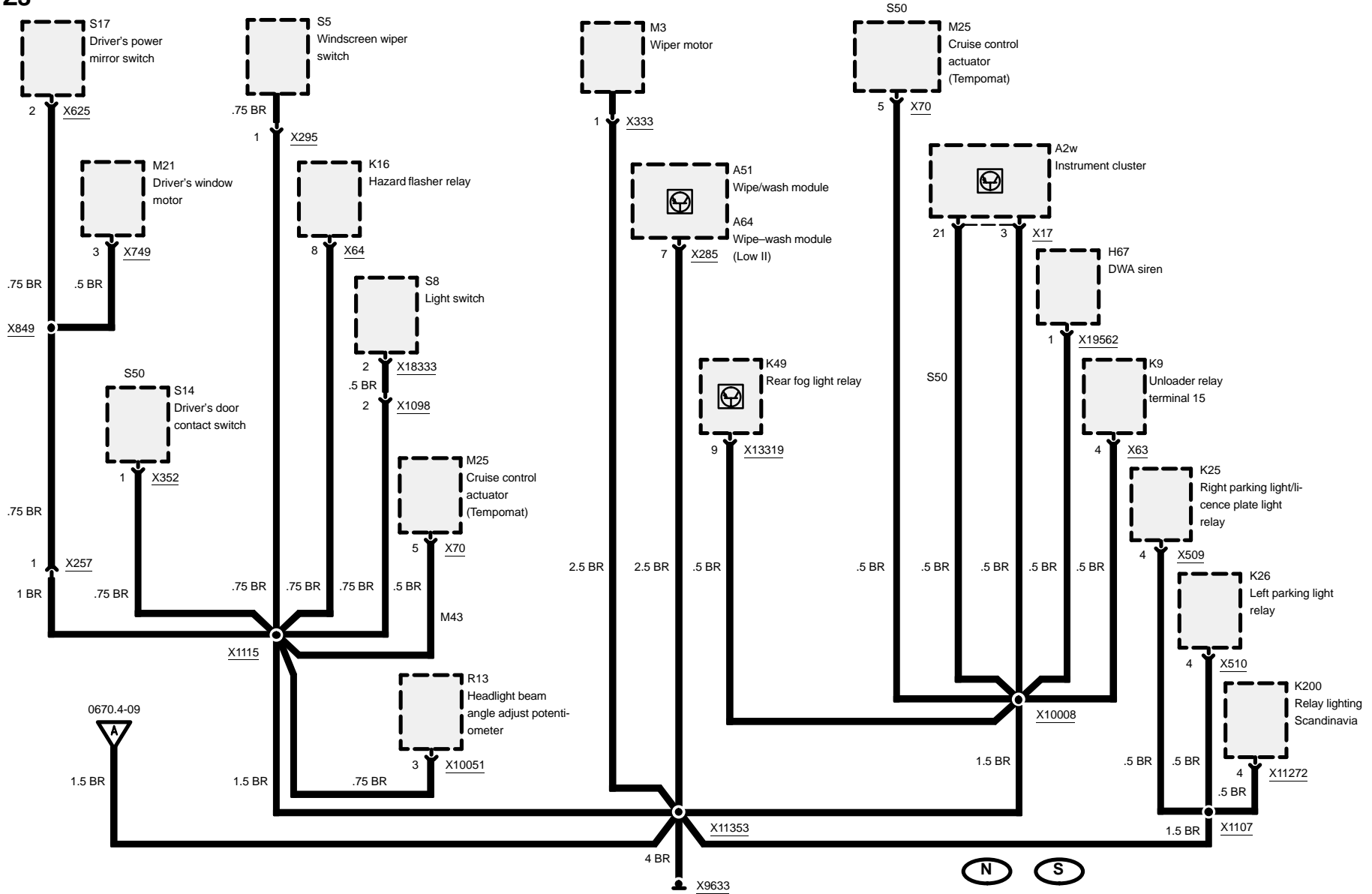


Ground distribution

Ground X9633

Right-hand drive

Z3

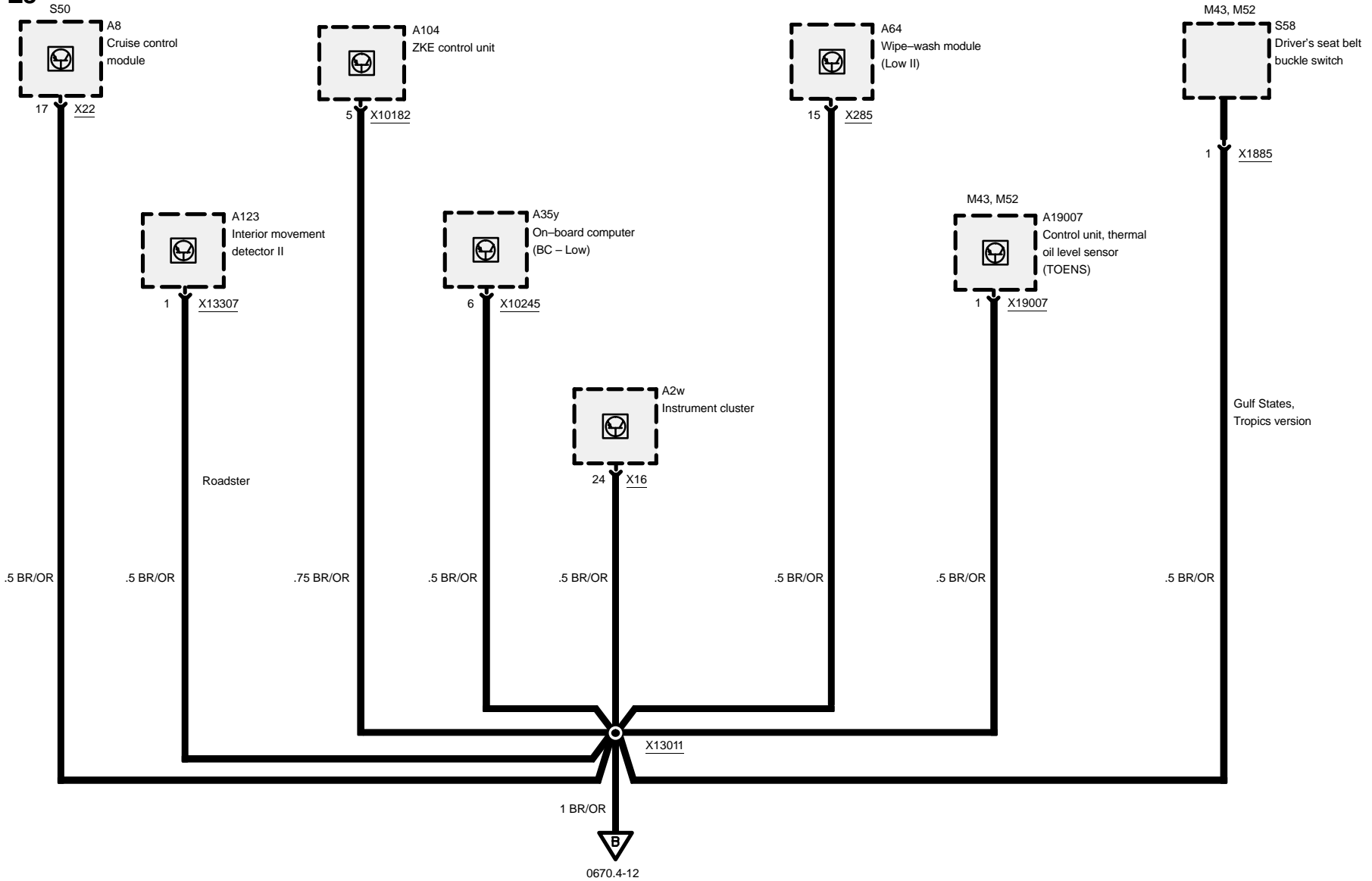




Ground distribution

Ground X10010

Z3

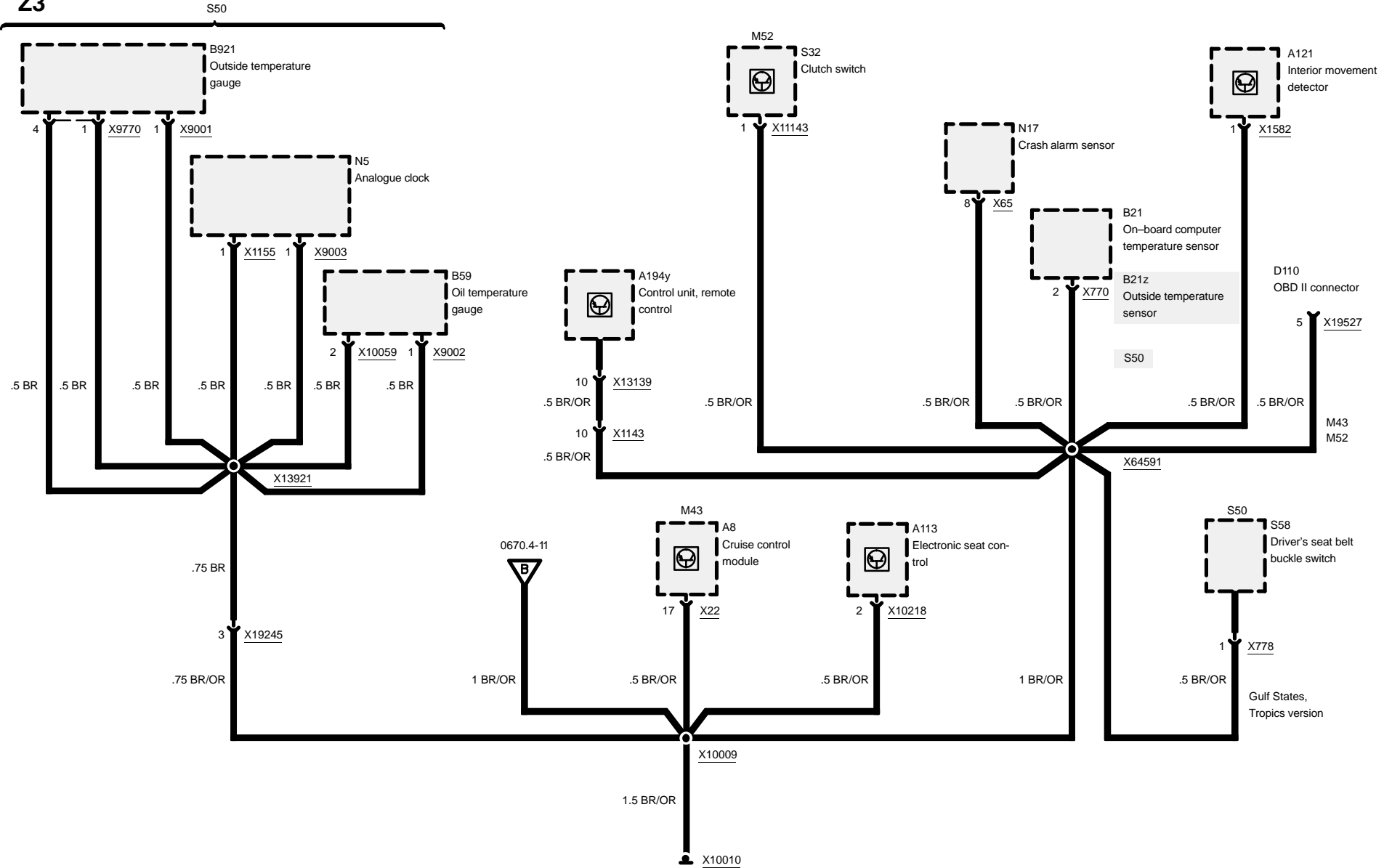




Ground distribution

Ground X10010

Z3

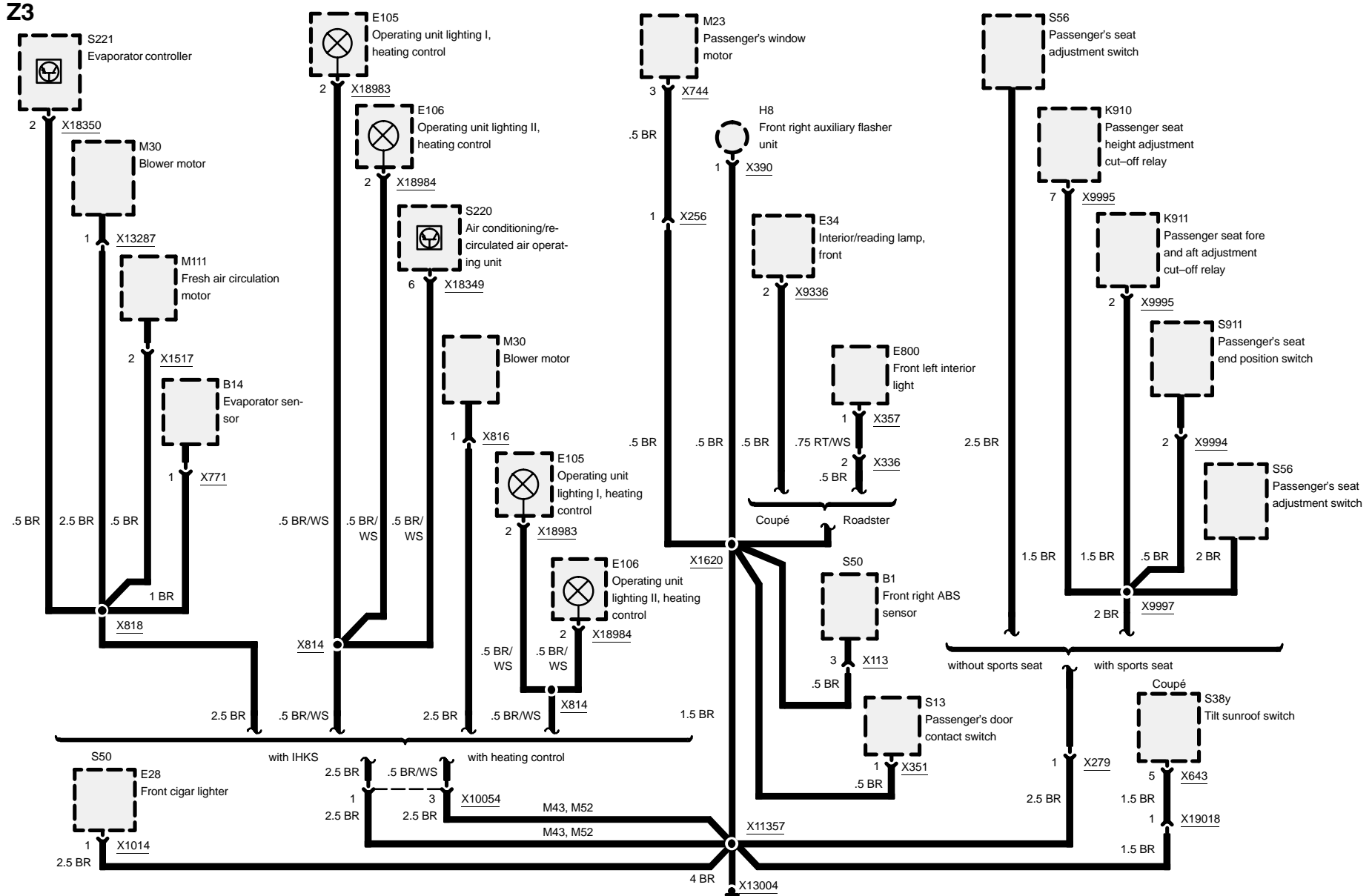




Ground distribution

Ground X13004

Right-hand drive

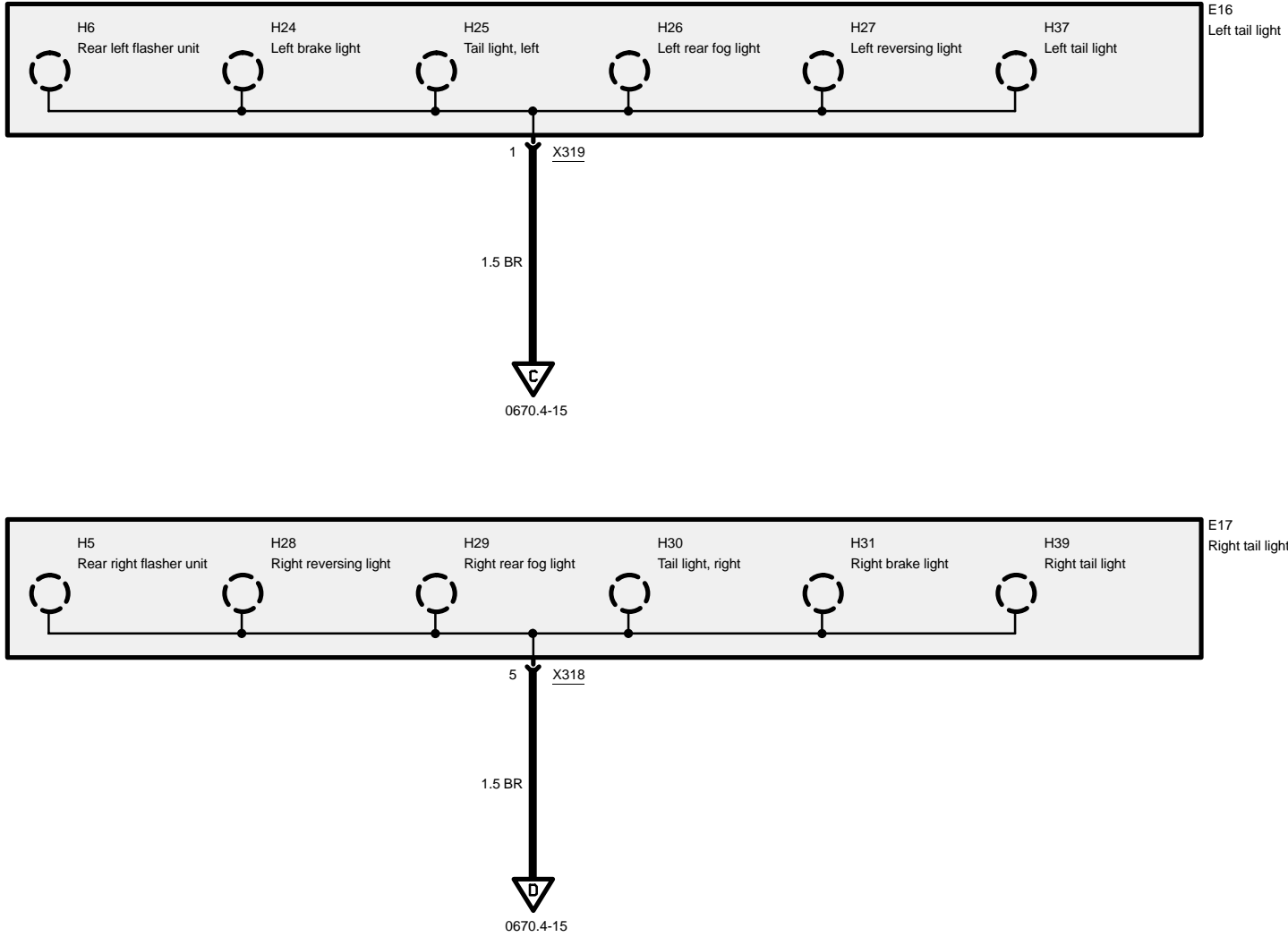




Z3

Ground distribution

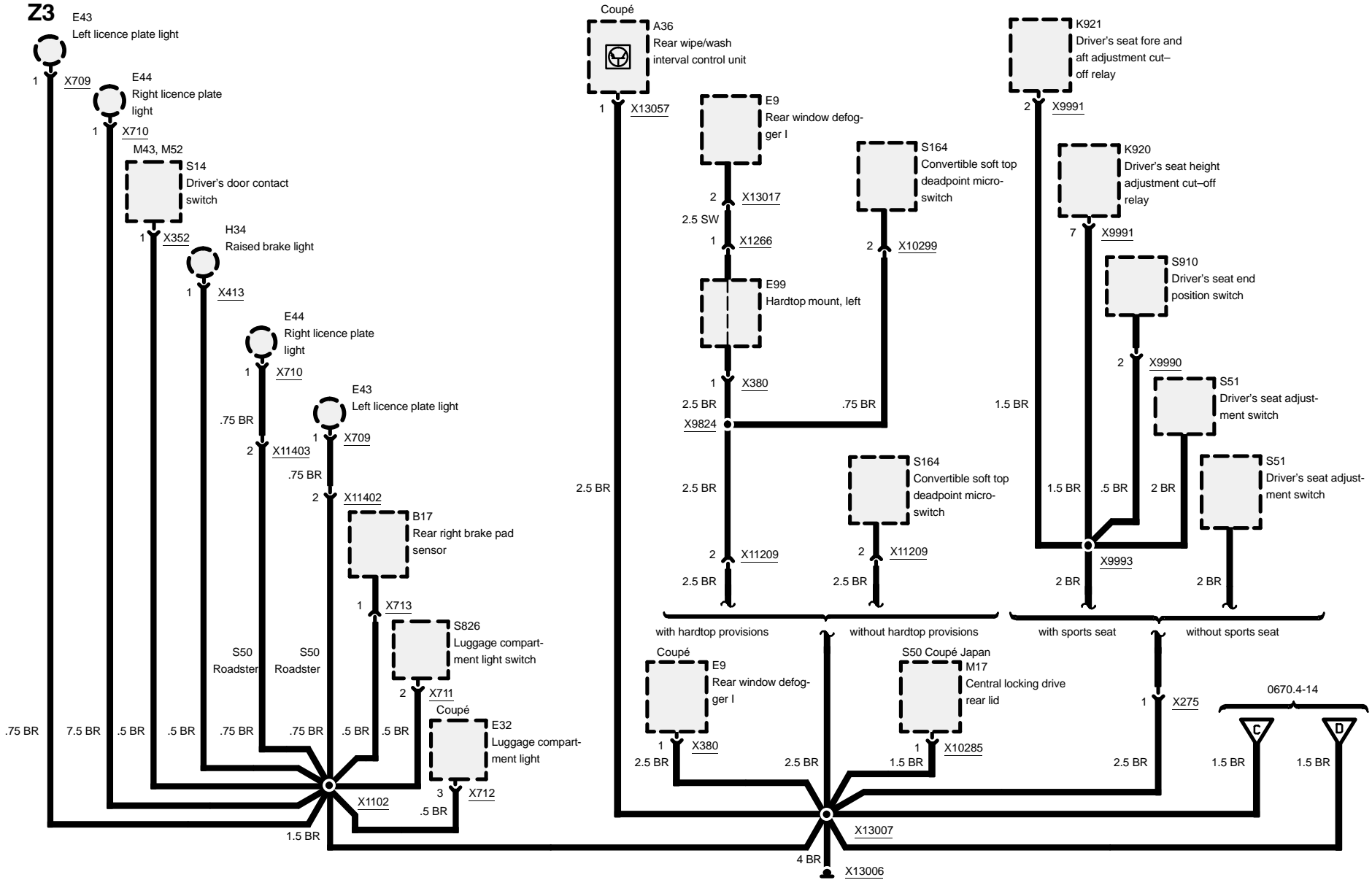
Ground X13006





Ground distribution

Ground X13006

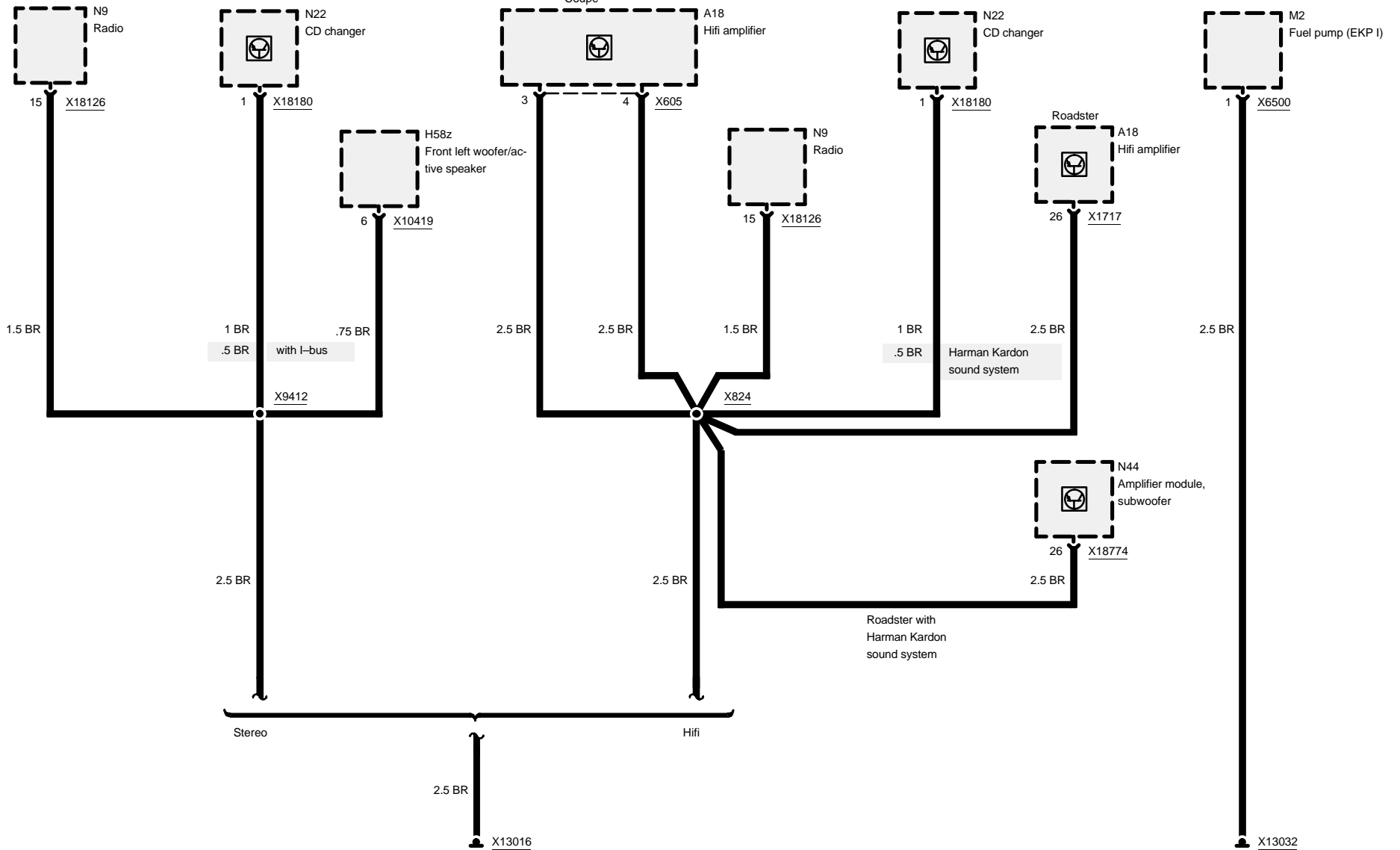




Ground distribution

Ground X13016 and X13032

Z3

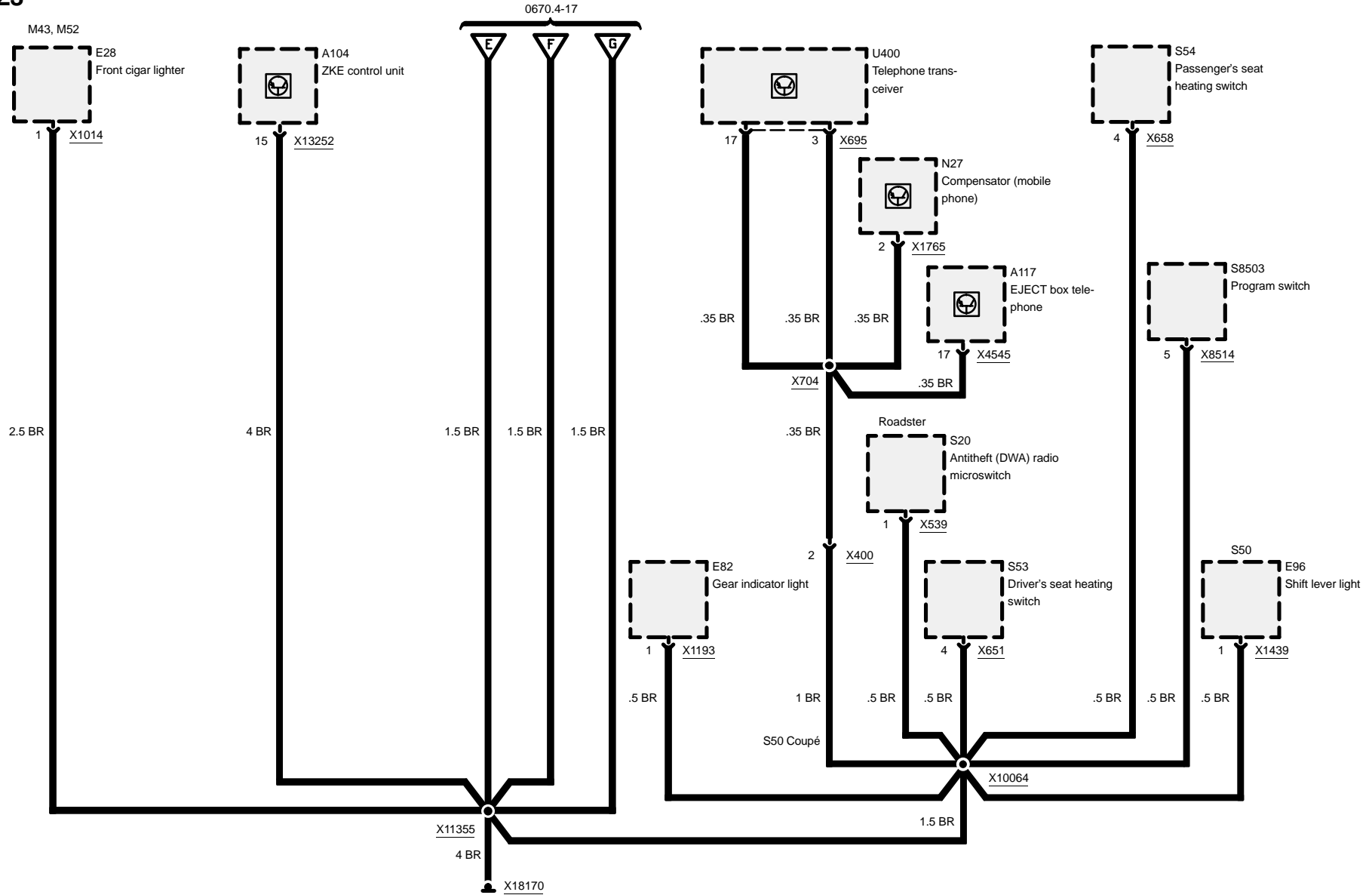




Ground distribution

Ground X18170

Z3

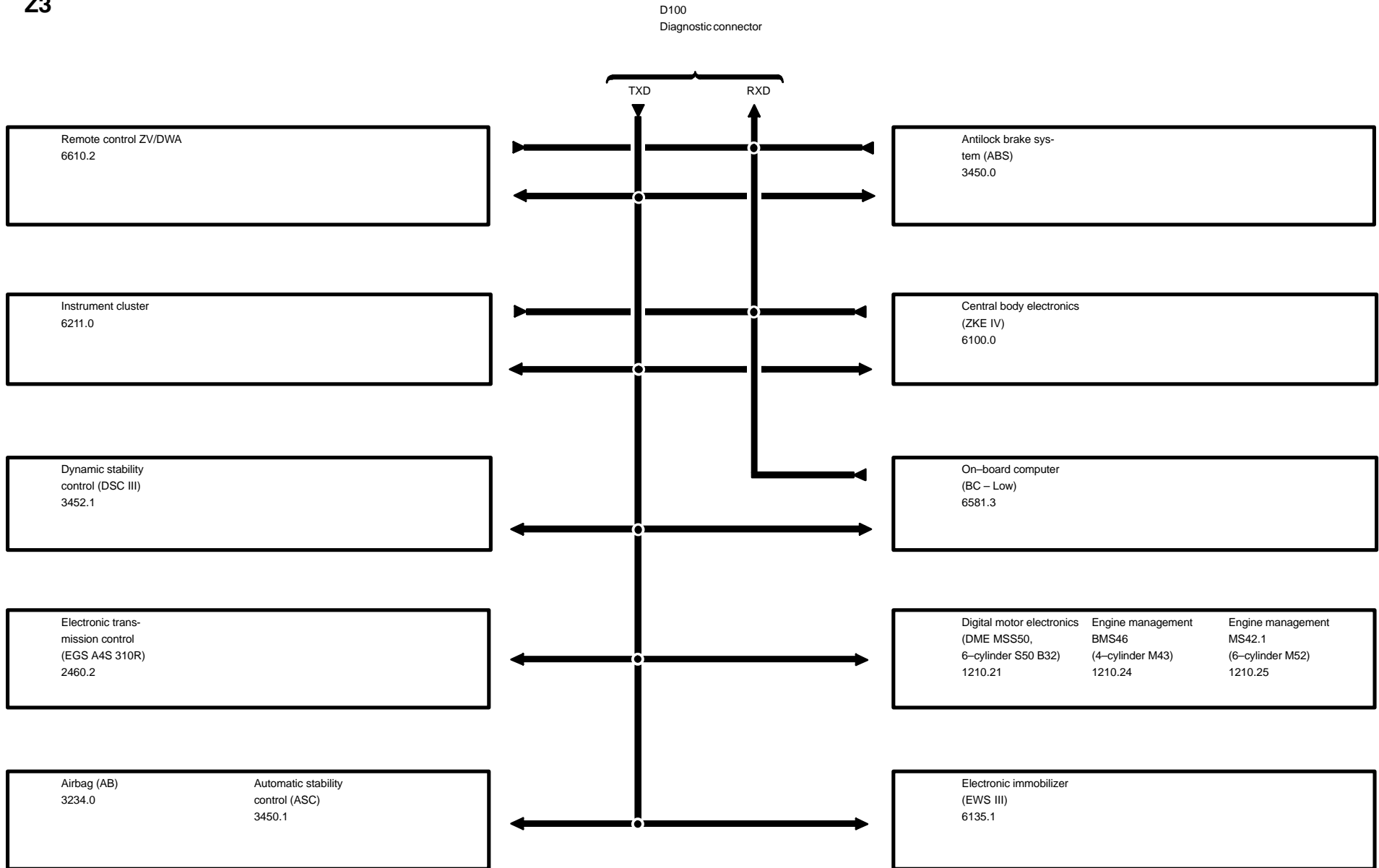




0670.5 Diagnostic link

Block diagram

Z3

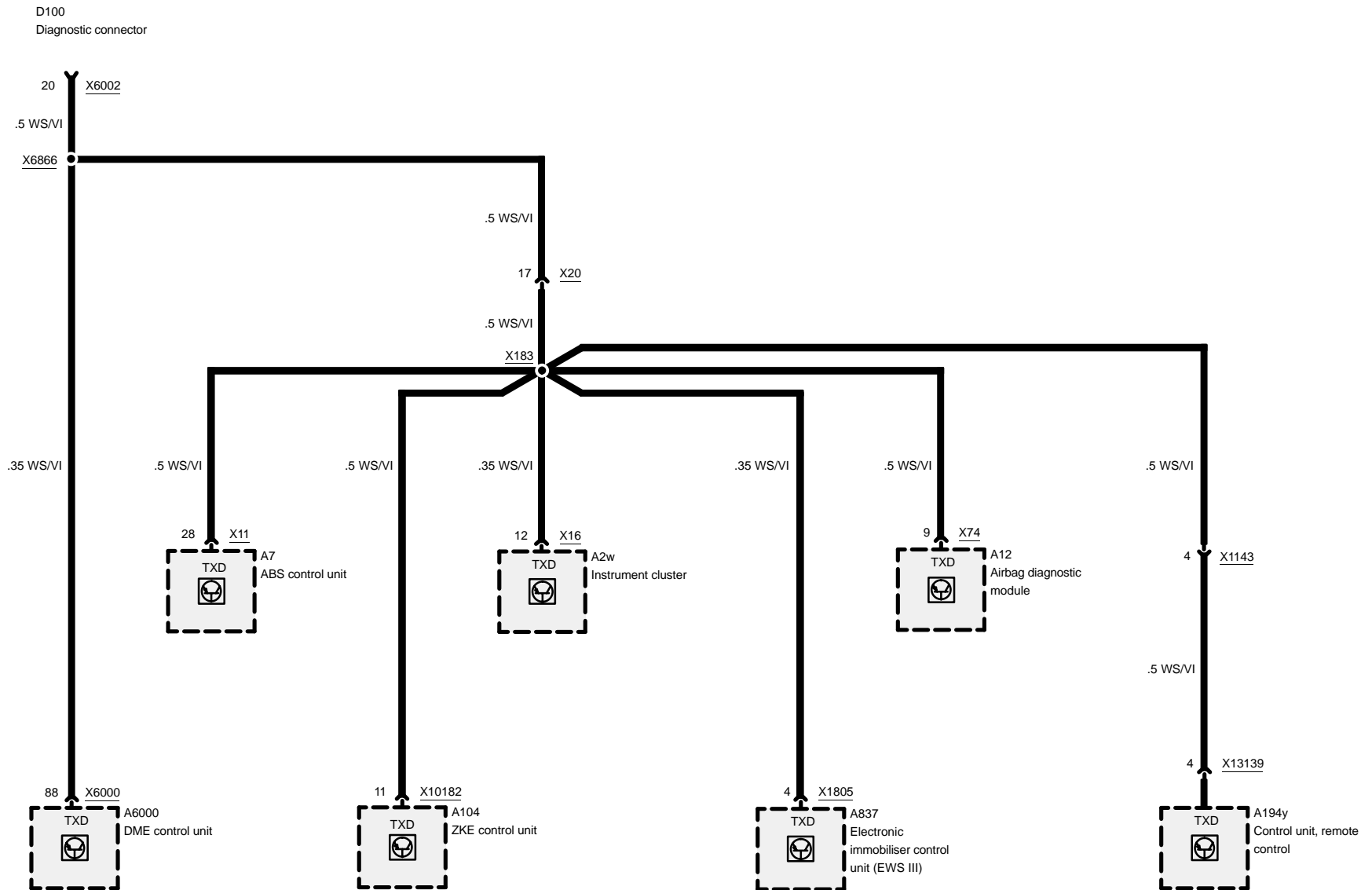




Diagnostic link

S50

TXD

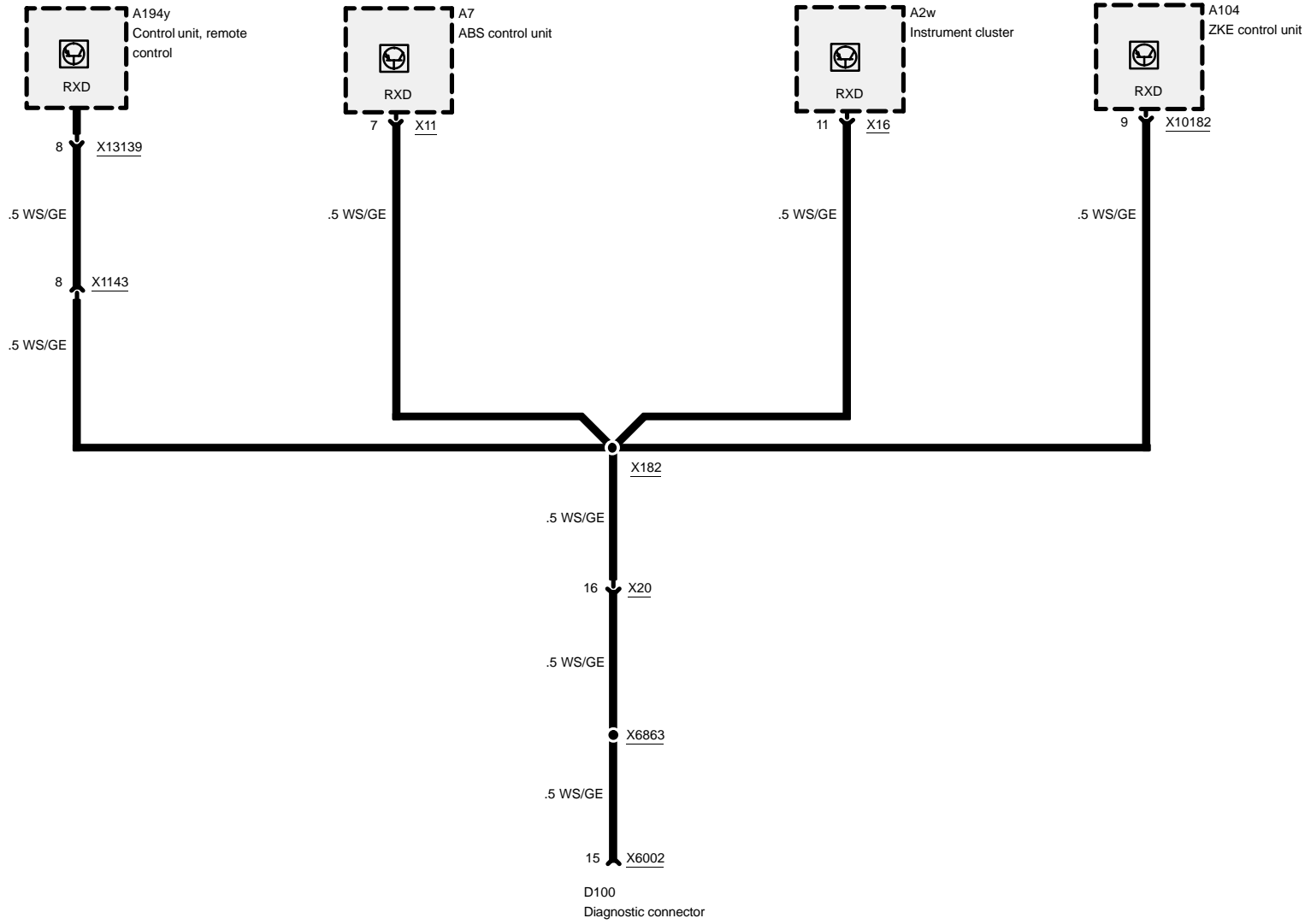




Diagnostic link

RXD

S50



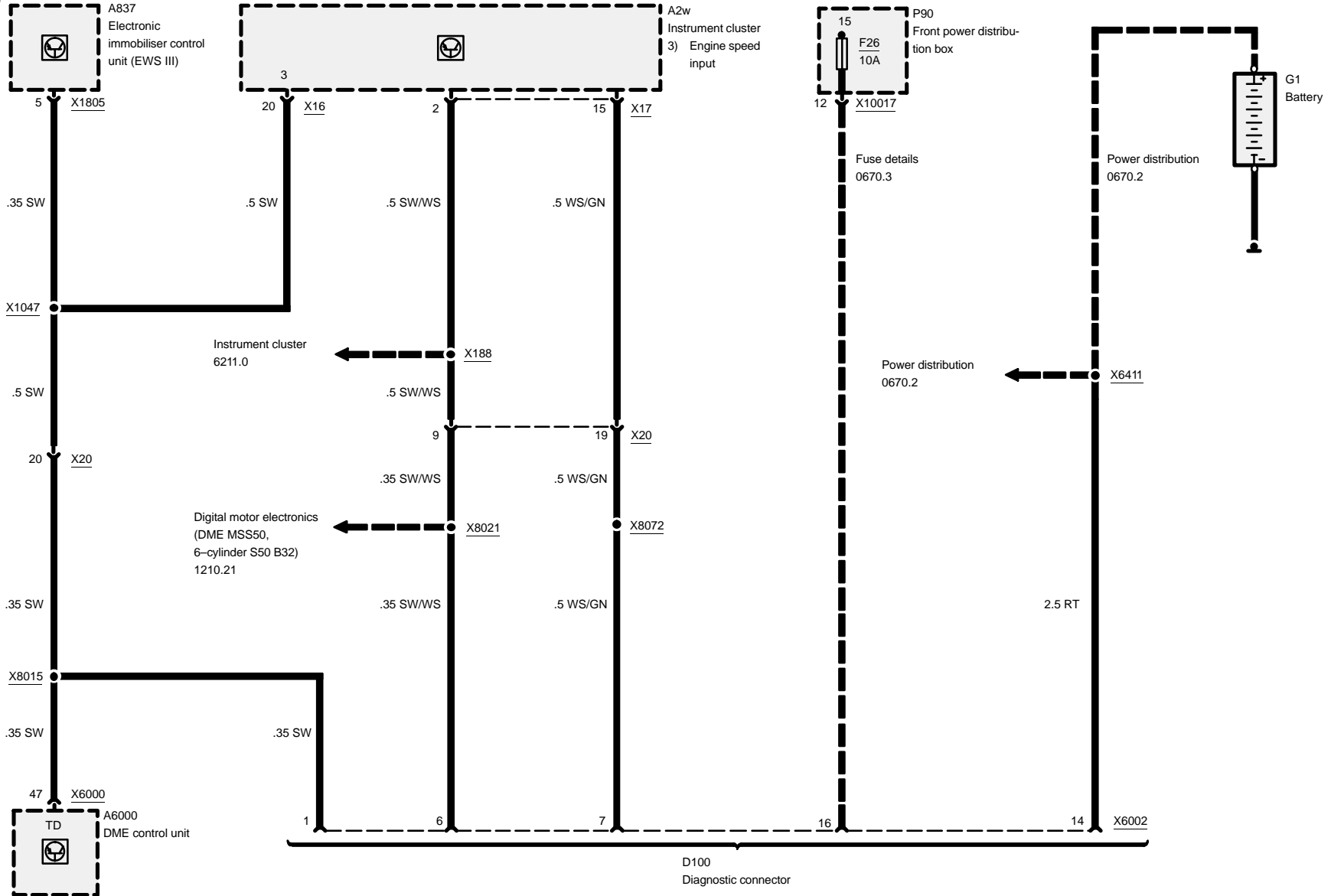


Diagnostic link

S50

Diagnostic connector, pins 1, 6, 7, 14 and 16

Z3



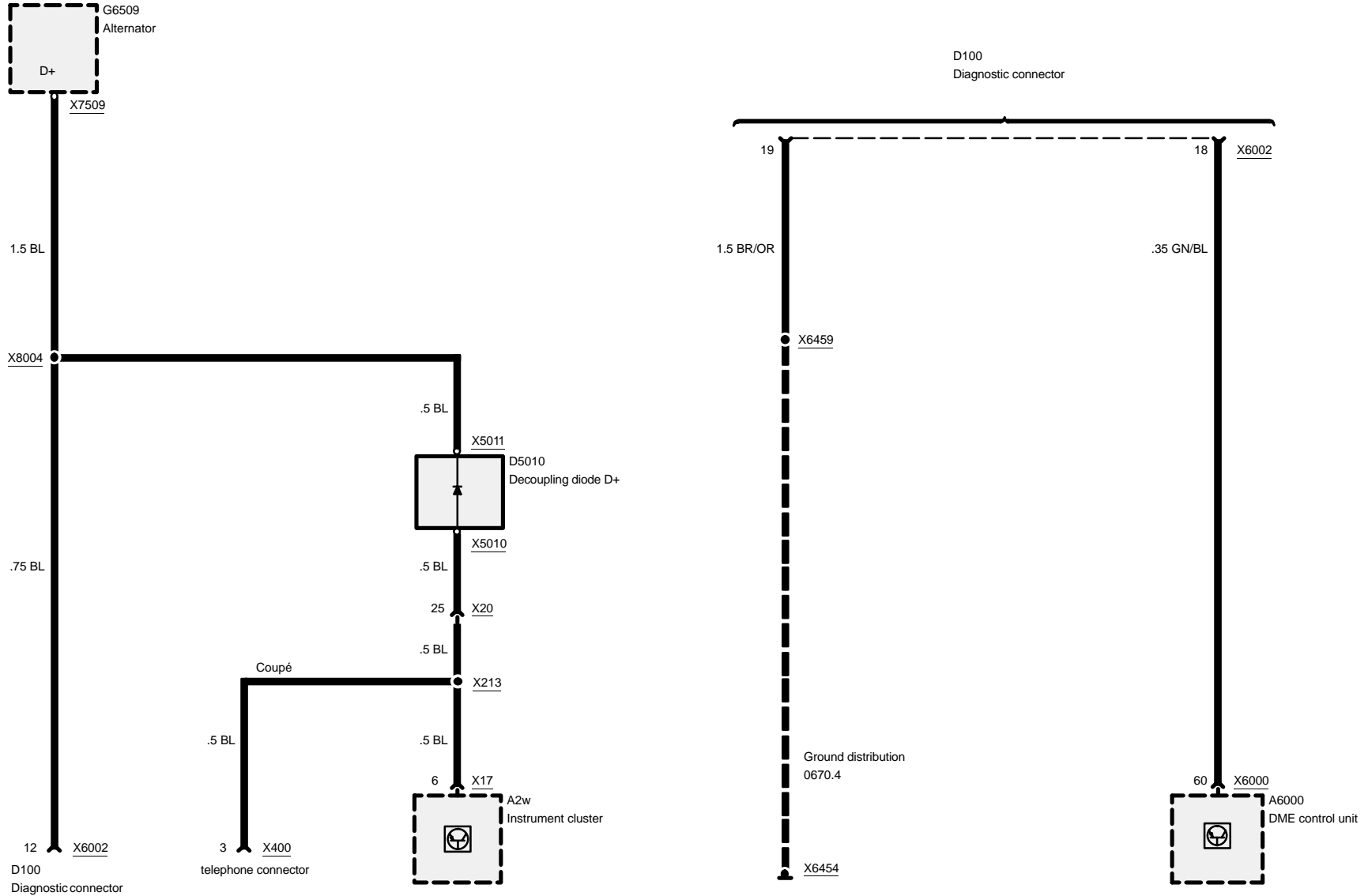


Z3

Diagnostic link

Diagnostic connector, pins 12, 18 and 19

S50



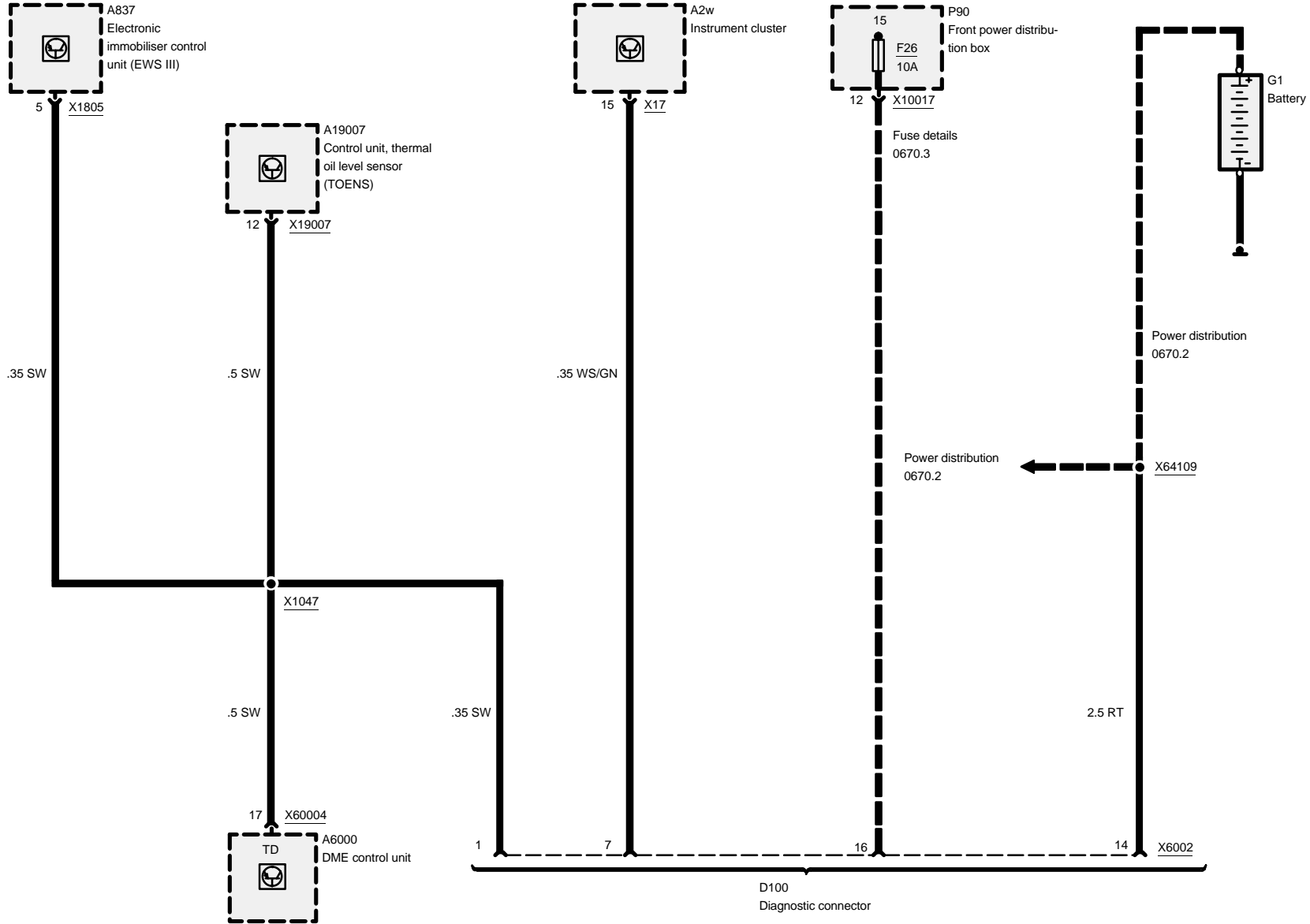


Diagnostic link

M43, M52

Diagnostic connector, pins 1, 7, 14 and 16

Z3



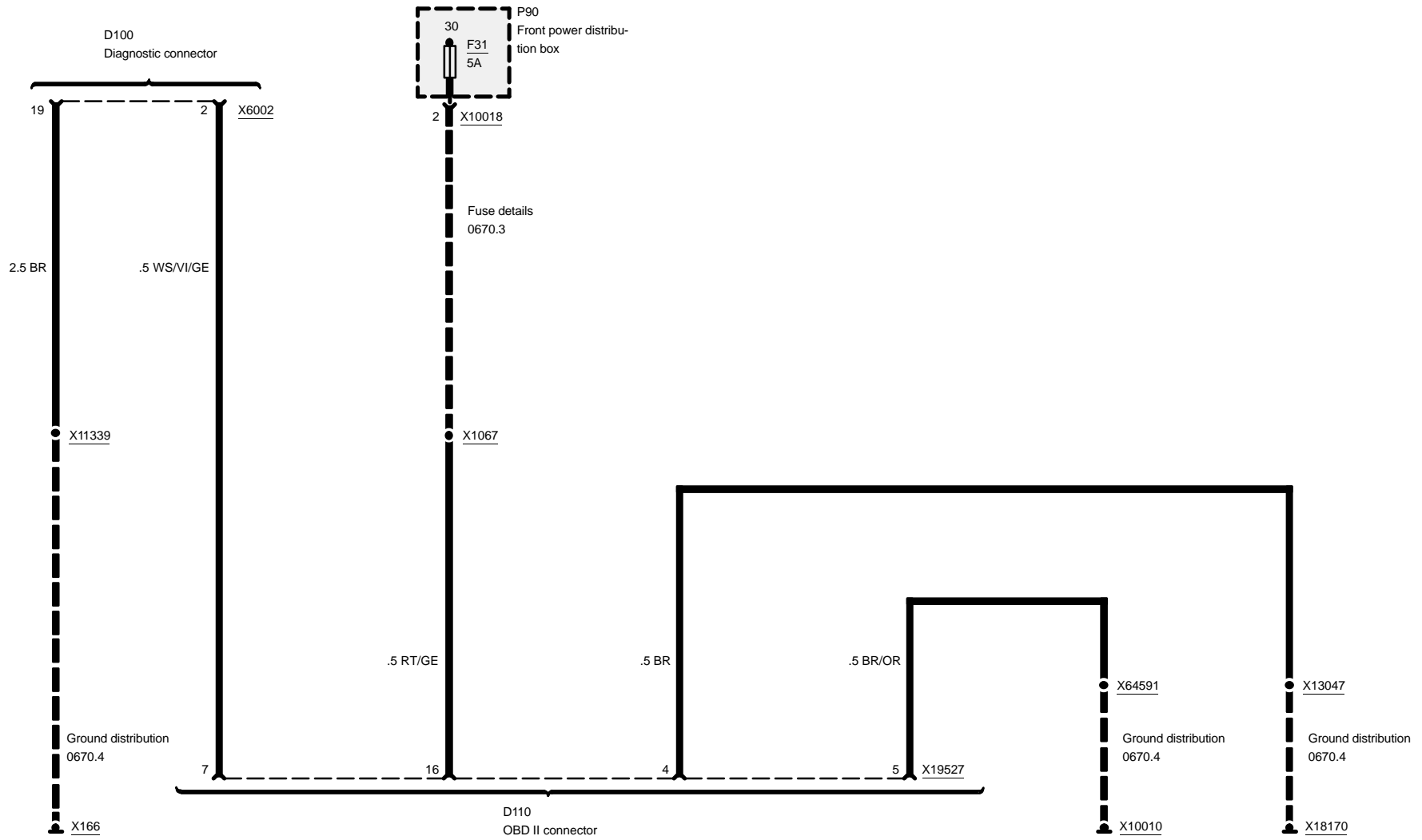


Diagnostic link

Right-hand drive

Diagnostic connector, pins 2 and 19, and OBD II connector

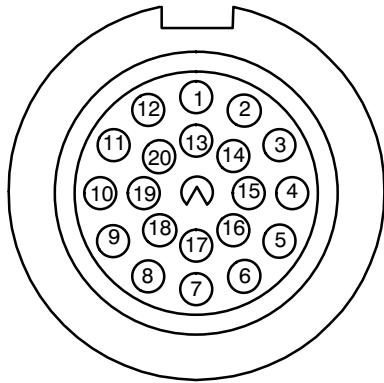
Z3





Diagnostic link

Diagnosis connector (X6002)



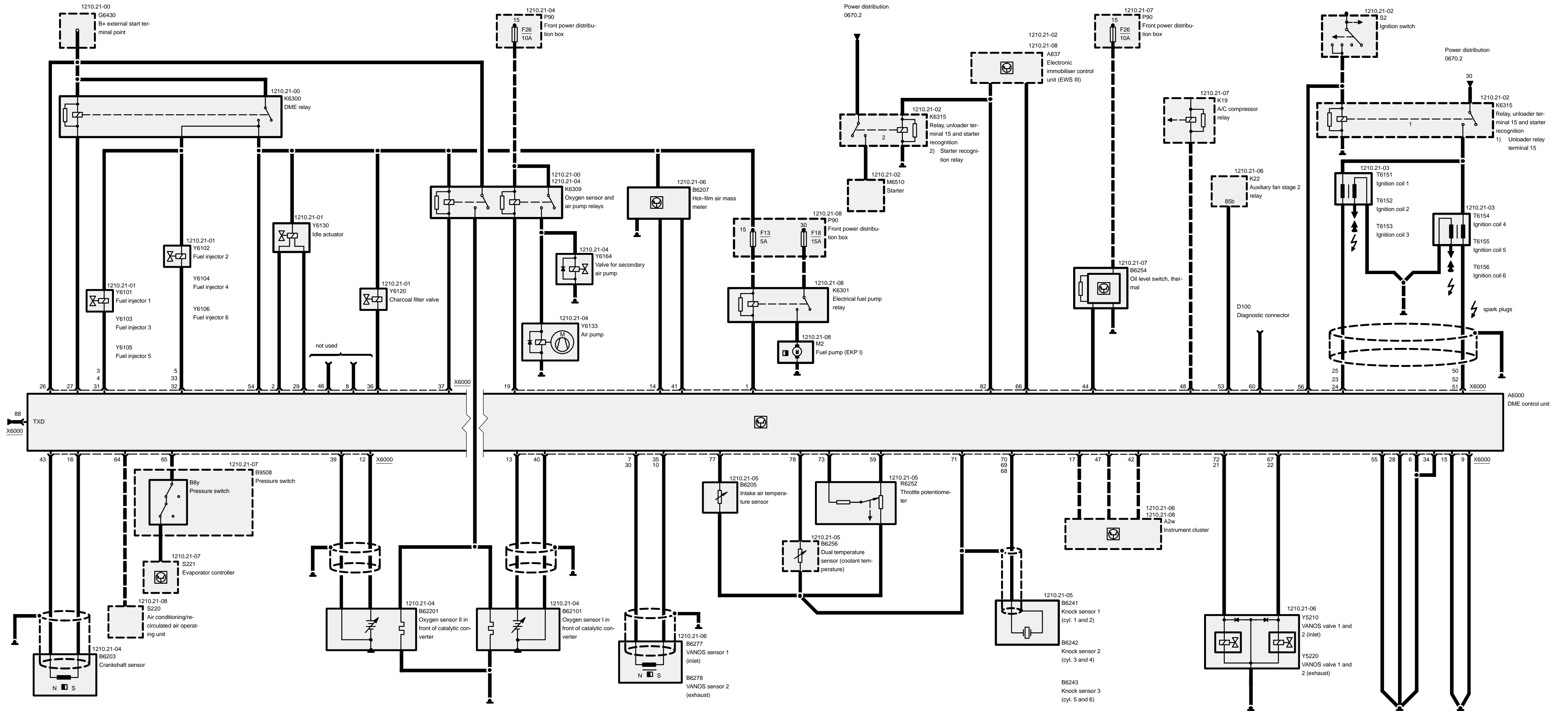
Jumpers in end cap of diagnostic connector D100



Pin number	Terminal number	Terminal description	Wire colour
1	–	TD signal	SW
2	TXD II	diagnosis–data line	WS/VI/GE **
3	–	not used	
4	–	not used	
5	–	not used	
6	speedometer signal–output	speed signal	SW/WS*
7	SI	service interval indicator	WS/GN
8	–	not used	
9	–	not used	
10	–	not used	
11	–	not used	
12	61(D+)	charge lamp	BL*
13	–	not used	
14	30	battery +	RT
15	RXD	diagnosis–data line	WS/GE
16	15S	voltage at ignition ON	GN/WS
17	TXD II	diagnosis–data line	WS/VI
18	PGSP	programming line	GN/BL*
19	31	ground	BR/OR* (BR**)
20	TXD	diagnosis–data line	WS/VI

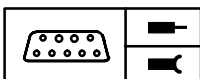
* S50

** M43, M52



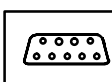


Z3

**Pin assignments****X6000**

Pin	Type	Description/Function	Connection
1	A	Relay activation	Relay, electric fuel pump
2	A	Close signal	Idle actuator
3	A	Injection valve 1	Injection valve
4	A	Injection valve 3	Injection valve
5	A	Injection valve 2	Injection valve
6	M	Ground for injection valves	Ground connection
7	E	VANOS signal -	VANOS sensor (inlet)
8	A	Fault lamp	Not used
9	M	Ground	Ground connection
10	E	VANOS signal +	VANOS sensor (exhaust)
11		Not used	
12	E	Signal, oxygen sensor 2	Oxygen sensor 2
13	E	Signal, oxygen sensor 1	Oxygen sensor 1
14	M	Ground	Air mass meter
15	E	Signal, ignition monitor	Ground connection
16	E	Signal, crankshaft position/rpm sensor	Crankshaft position/rpm sensor
17	A	Oil level	Instrument cluster
18		Not used	
19	A	Secondary air pump	Air pump relay
20		Not used	
21	A	Retard adjustment	VANOS valve 1 (exhaust)
22	A	Advance adjustment	VANOS valve 2 (exhaust)
23	A	Ignition 2	Ignition coil
24	A	Ignition 3	Ignition coil
25	A	Ignition 1	Ignition coil
26	E	Permanent positive	B+ jumper cable terminal point
27	A	Activation, DME relay	DME relay
28	M	Ground, electronics/shield/sensors	Ground connection
29	A	Open signal	Idle actuator
30	E	VANOS signal -	VANOS sensor (exhaust)
31	A	Injection valve 5	Injection valve
32	A	Injection valve 6	Injection valve
33	A	Injection valve 4	Injection valve

E = Input, A = Output, M = Ground



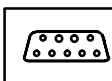
Pin assignments

Pin	Type	Description/Function	Connection
34	M	Ground, remaining output stages	Ground connection
35	E	VANOS signal +	VANOS sensor (inlet)
36	A	Fuel tank ventilation	Fuel tank ventilation valve
37	A	Oxygen sensor heating	Oxygen sensor relay
38		Not used	
39	M	Ground, oxygen sensor 2	Oxygen sensor 2
40	M	Ground, oxygen sensor 1	Oxygen sensor 1
41	E	Signal, air mass meter	Hot-film air mass meter
42	E	Vehicle speed signal	Instrument cluster
43	M	Ground, crankshaft sensor/rpm sensor	Crankshaft position/rpm sensor
44	E	Oil level	Thermal oil level switch
45		Not used	
46	A	TI signal	Not used
47	A	TD signal	Instrument cluster
48	E	Signal, A/C compressor	Relay, A/C compressor
49		Not used	
50	A	Ignition 4	Ignition coil
51	A	Ignition 6	Ignition coil
52	A	Ignition 5	Ignition coil
53	E	Fan signal	Relay, auxiliary fan 2
54	E	Battery voltage	DME relay
55	M	Ground, ignition	Ground point
56	E	Terminal 15	Ignition switch
57		Not used	
58		Not used	
59	A	+5V supply	Throttle potentiometer
60	E	Programming voltage input	Diagnostic connector
61		Not used	
62		Not used	
63		Not used	
64	E	Signal, air conditioning ready	A/C operating unit
65	E	Signal, A/C compressor	Pressure switch
66	E	Vehicle immobilization	Control unit, electronic vehicle immobilization (EWS III)
67	A	Advance adjustment	VANOS valve 2 (inlet)

E = Input, A = Output, M = Ground



Z3

**Pin assignments**

Pin	Type	Description/Function	Connection
68	E	Signal +	Knock sensor 3
69	E	Signal +	Knock sensor 2
70	E	Signal +	Knock sensor 1
71	M	Ground, analog signals and knock sensors	Sensors
72	A	Retard adjustment	VANOS valve 1 (inlet)
73	E	Throttle valve signal	Throttle potentiometer
74		Not used	
75		Not used	
76		Not used	
77	E	Intake air temperature	Intake air temperature sensor
78	E	Coolant temperature	Coolant temperature sensor
79		Not used	
80		Not used	
81		Not used	
82	E	Start speed recognition	Start detection relay
83		Not used	
84		Not used	
85		Not used	
86		Not used	
87		Not used	
88	E/A	TxD diagnostic link	Diagnostic connector

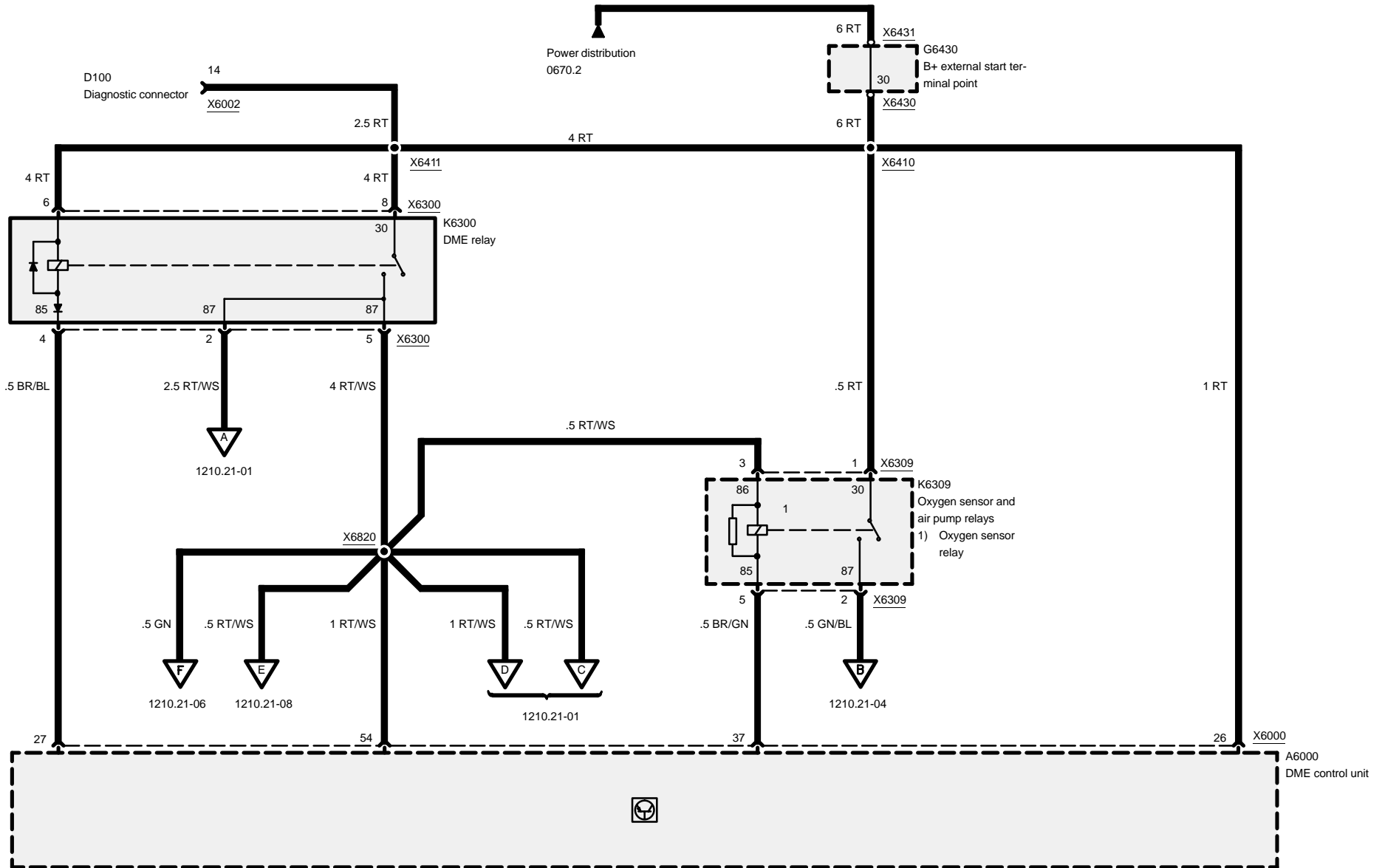
E = Input, A = Output, M = Ground



Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

Current

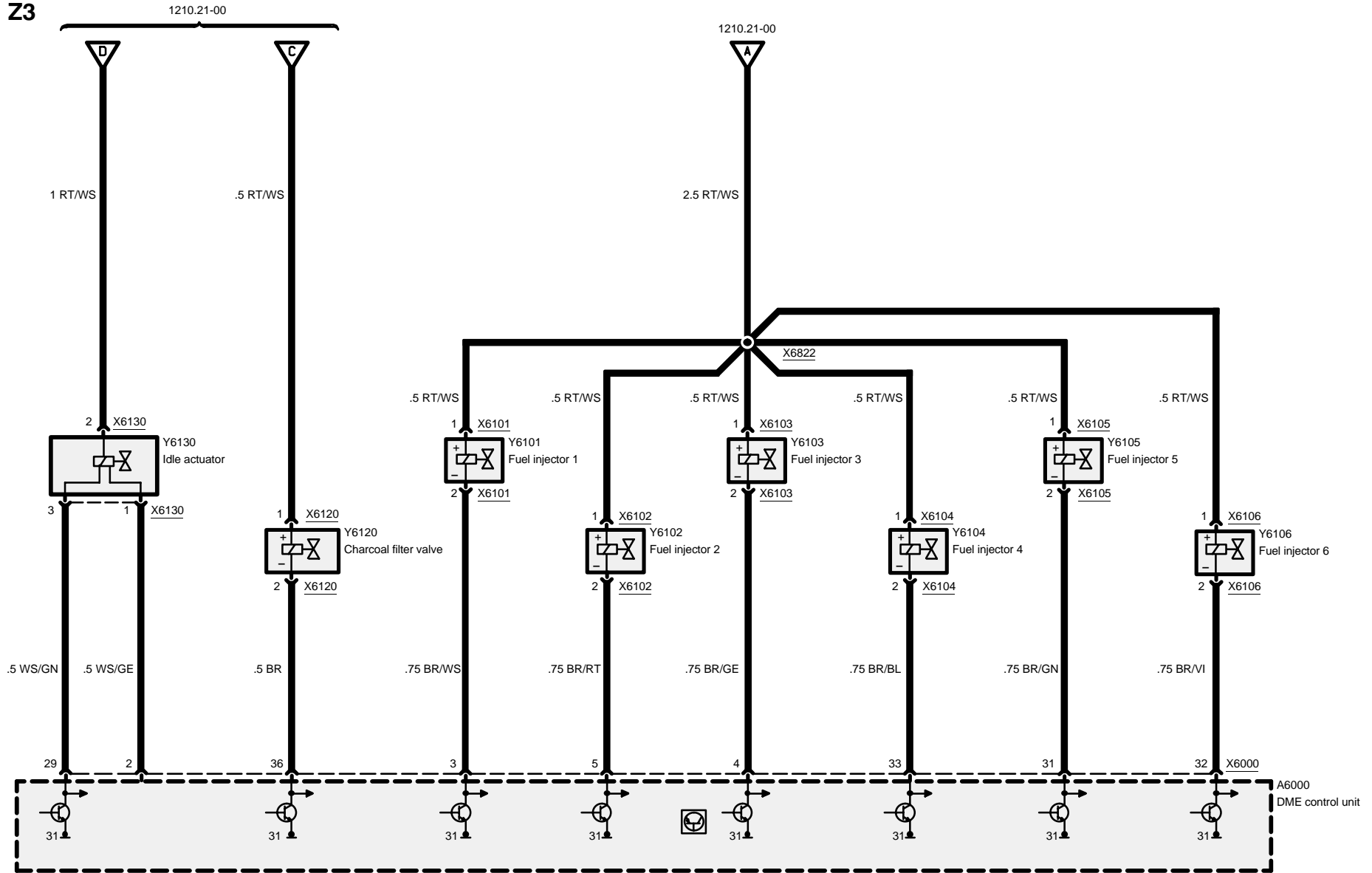
Z3





Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

Z3

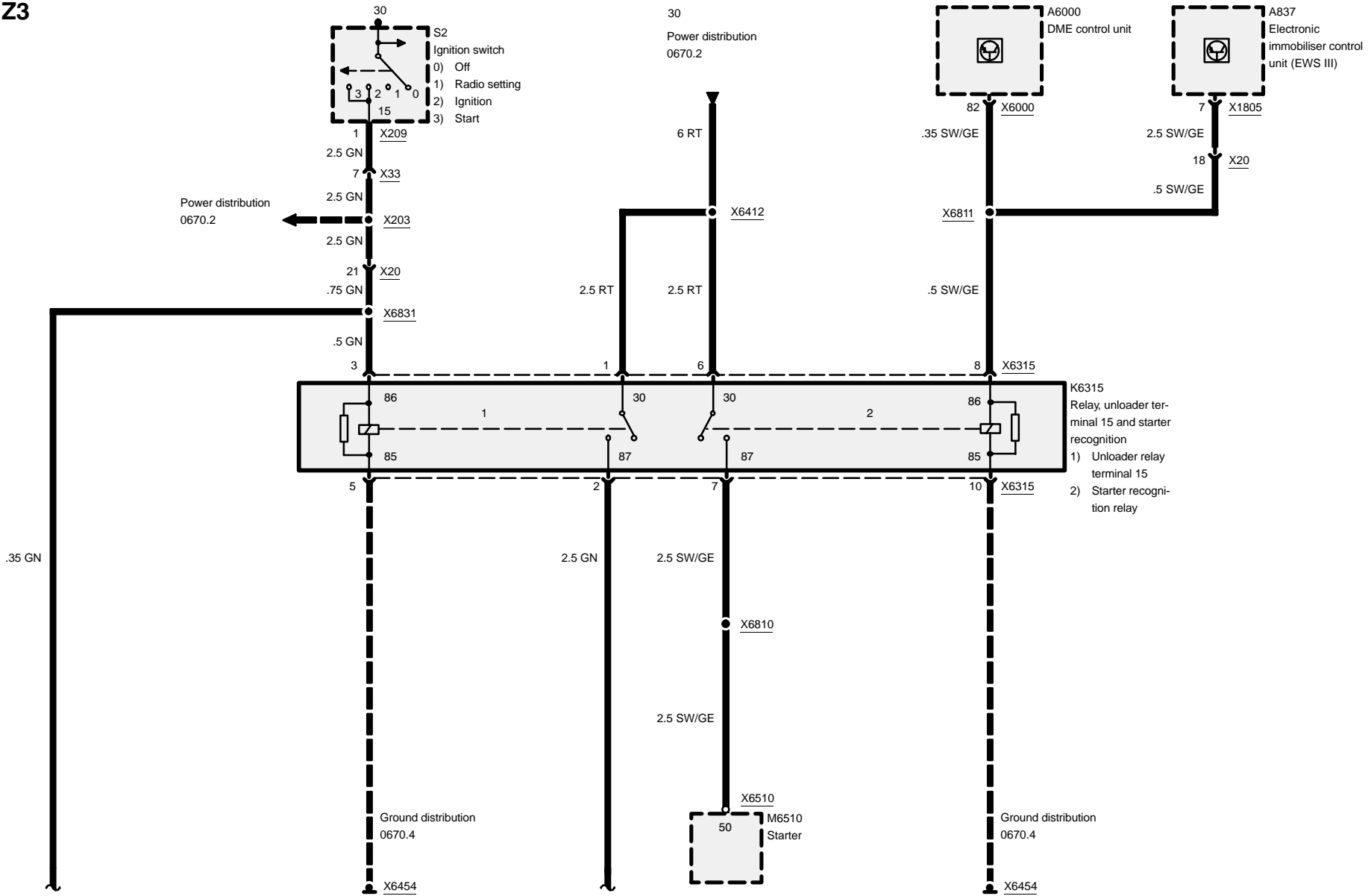


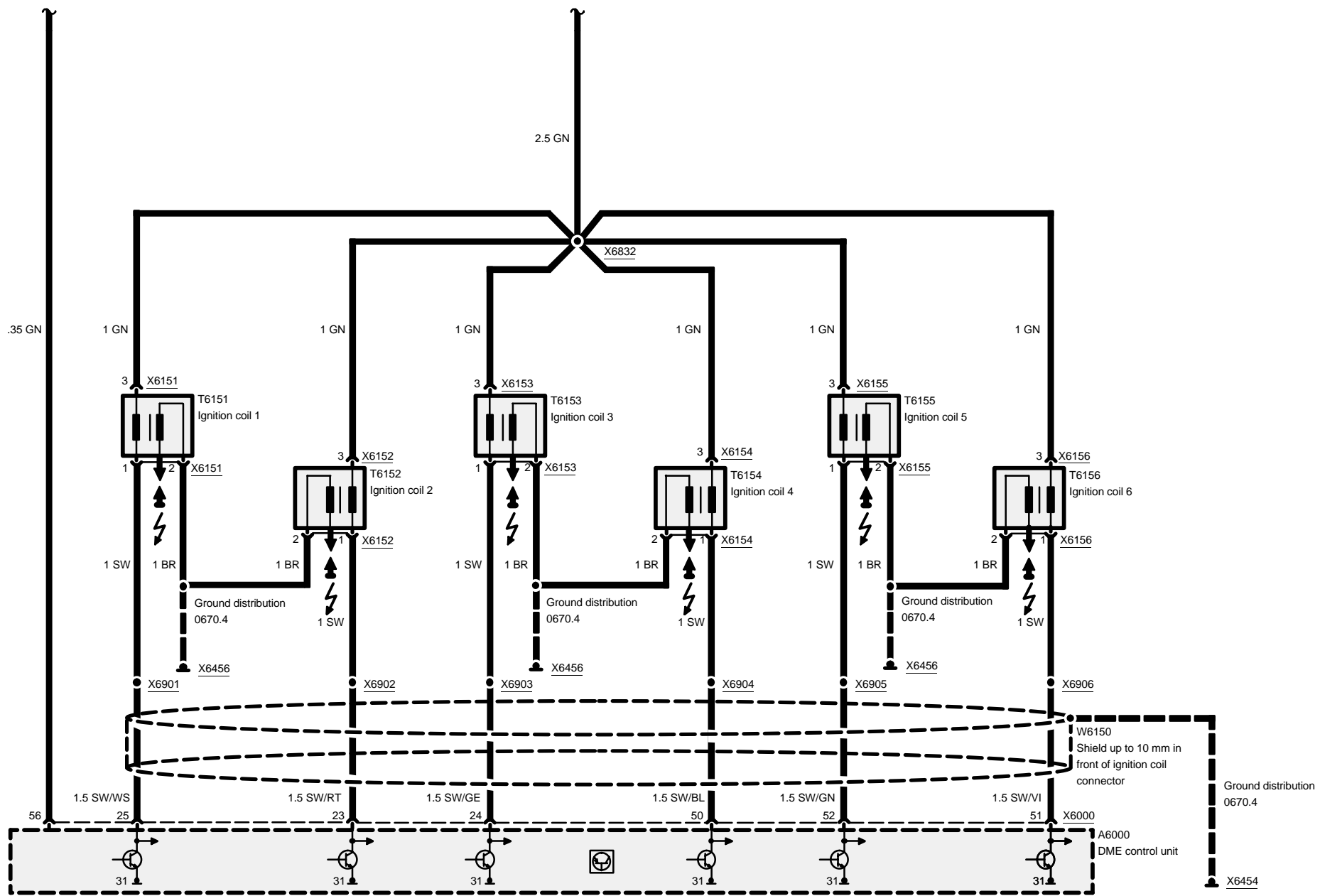


Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

Current

Z3



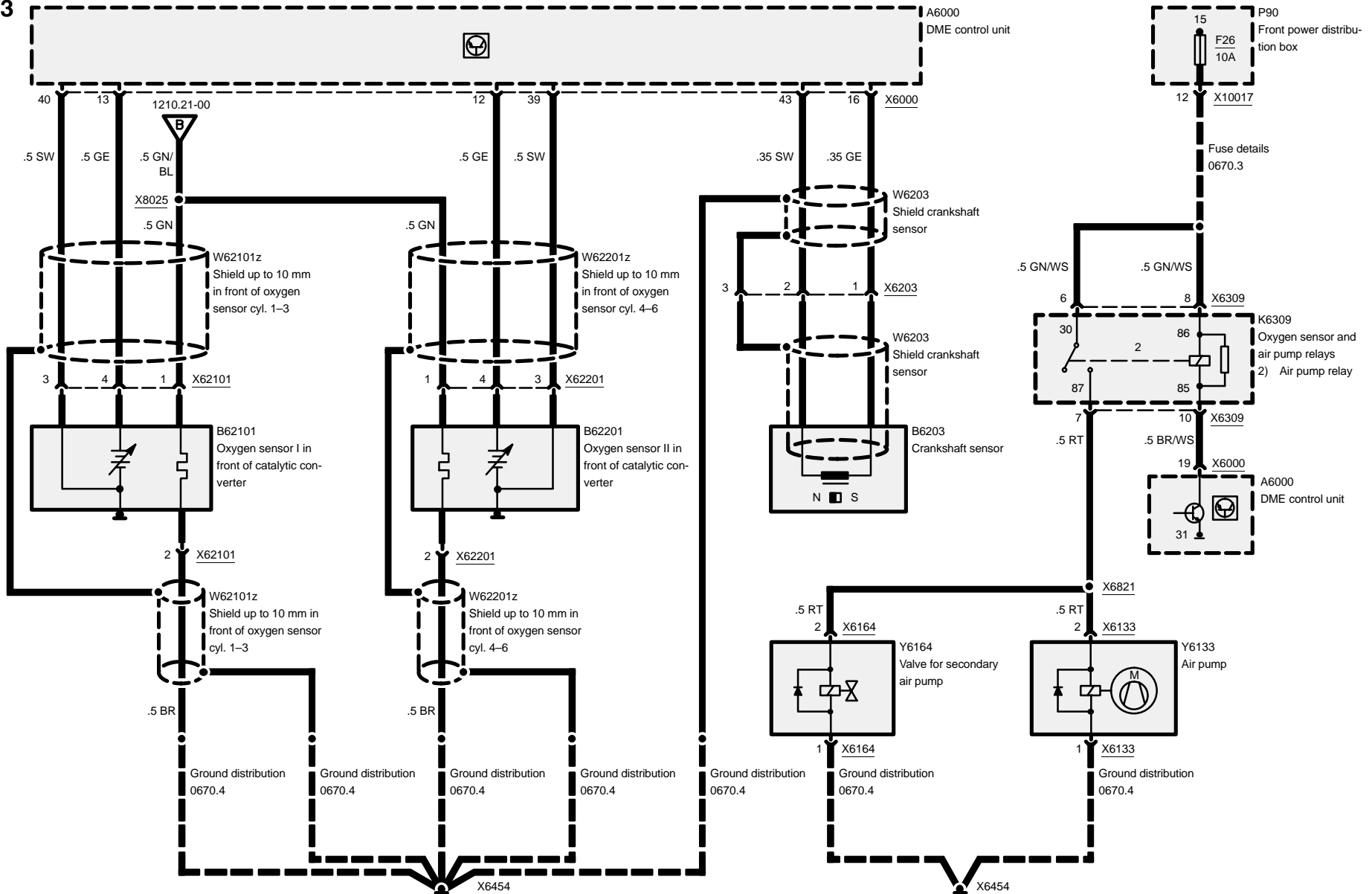




Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

Oxygen sensors, crankshaft sensor, air pump

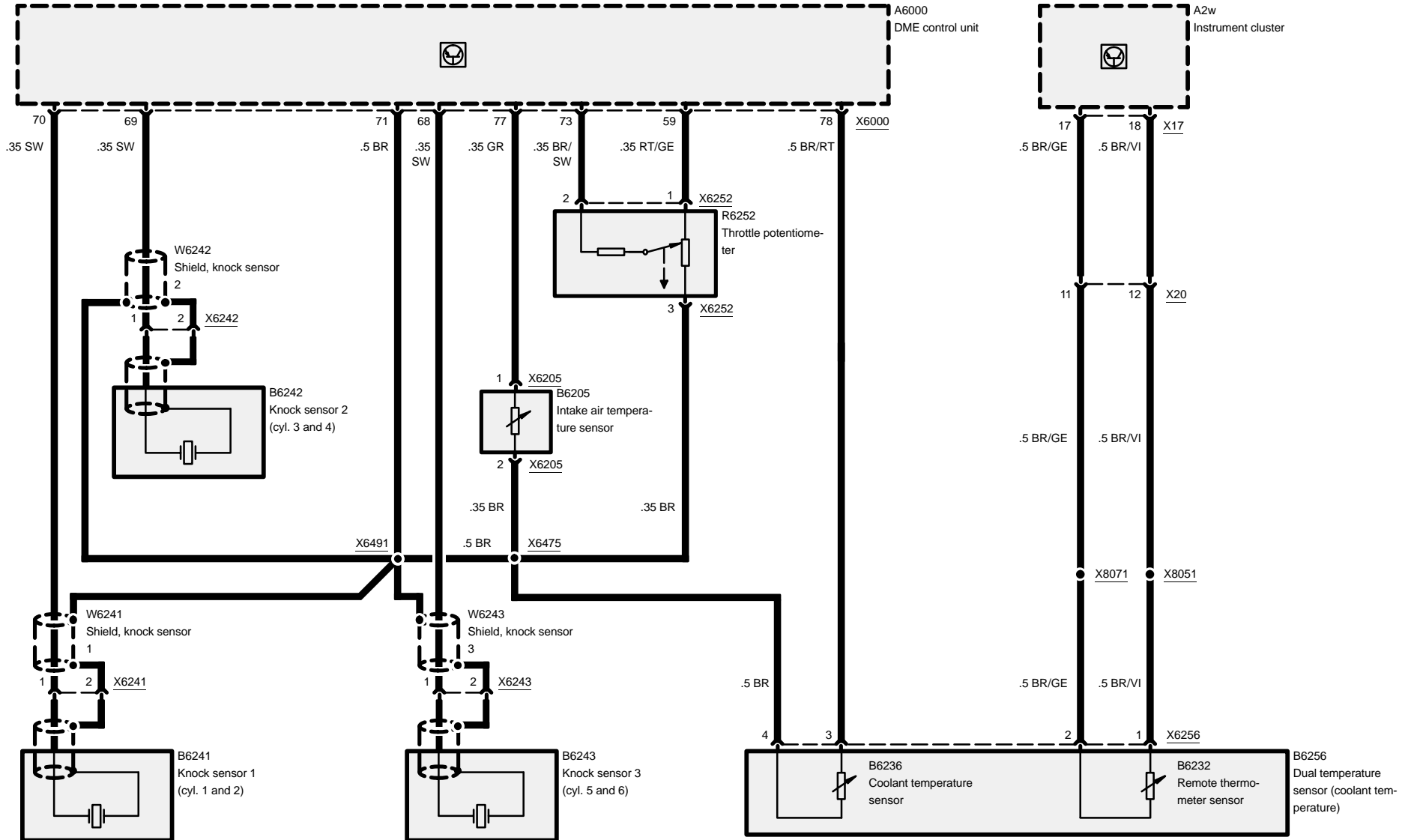
Z3





Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

Z3

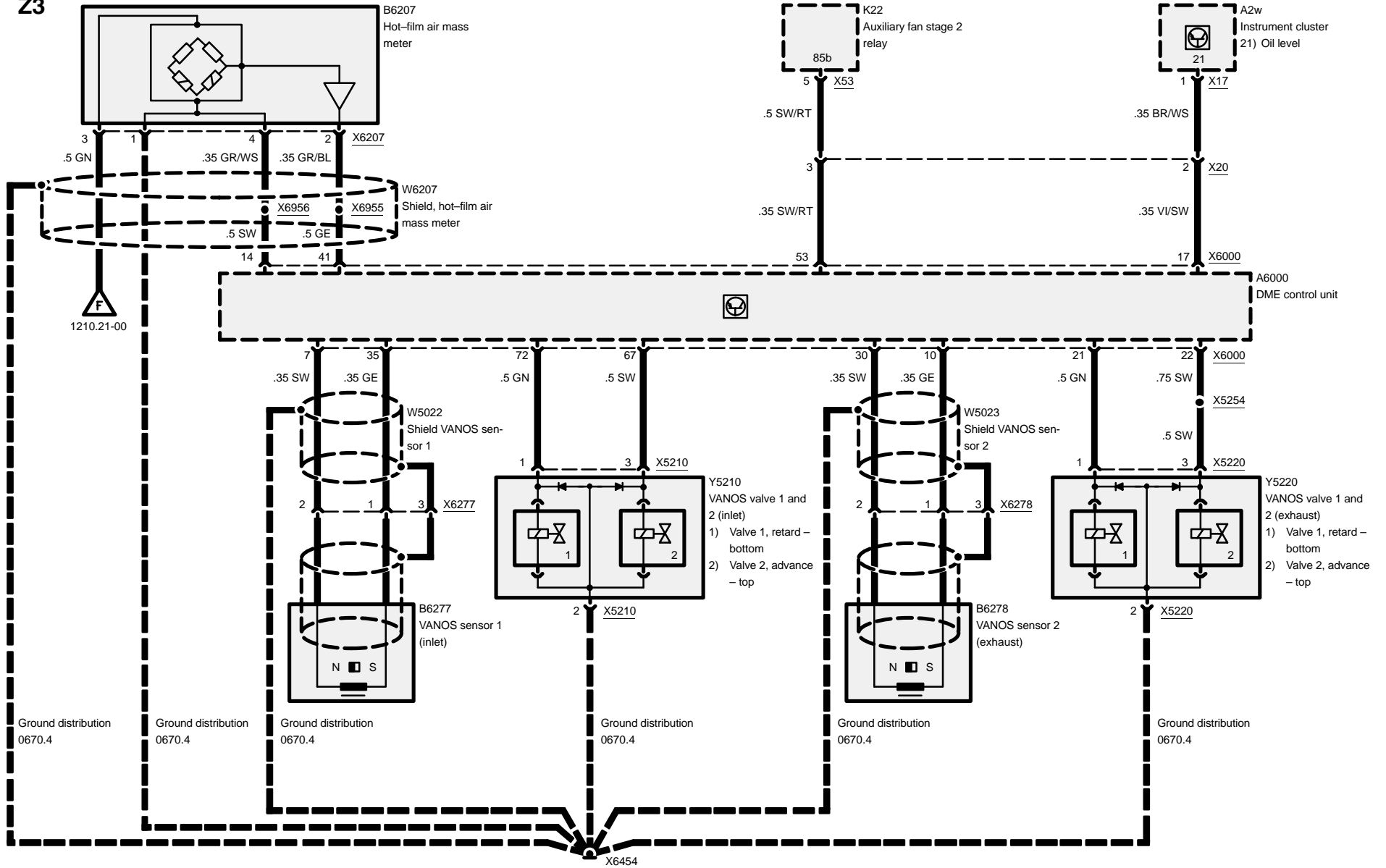




Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

VANOS, air mass meter

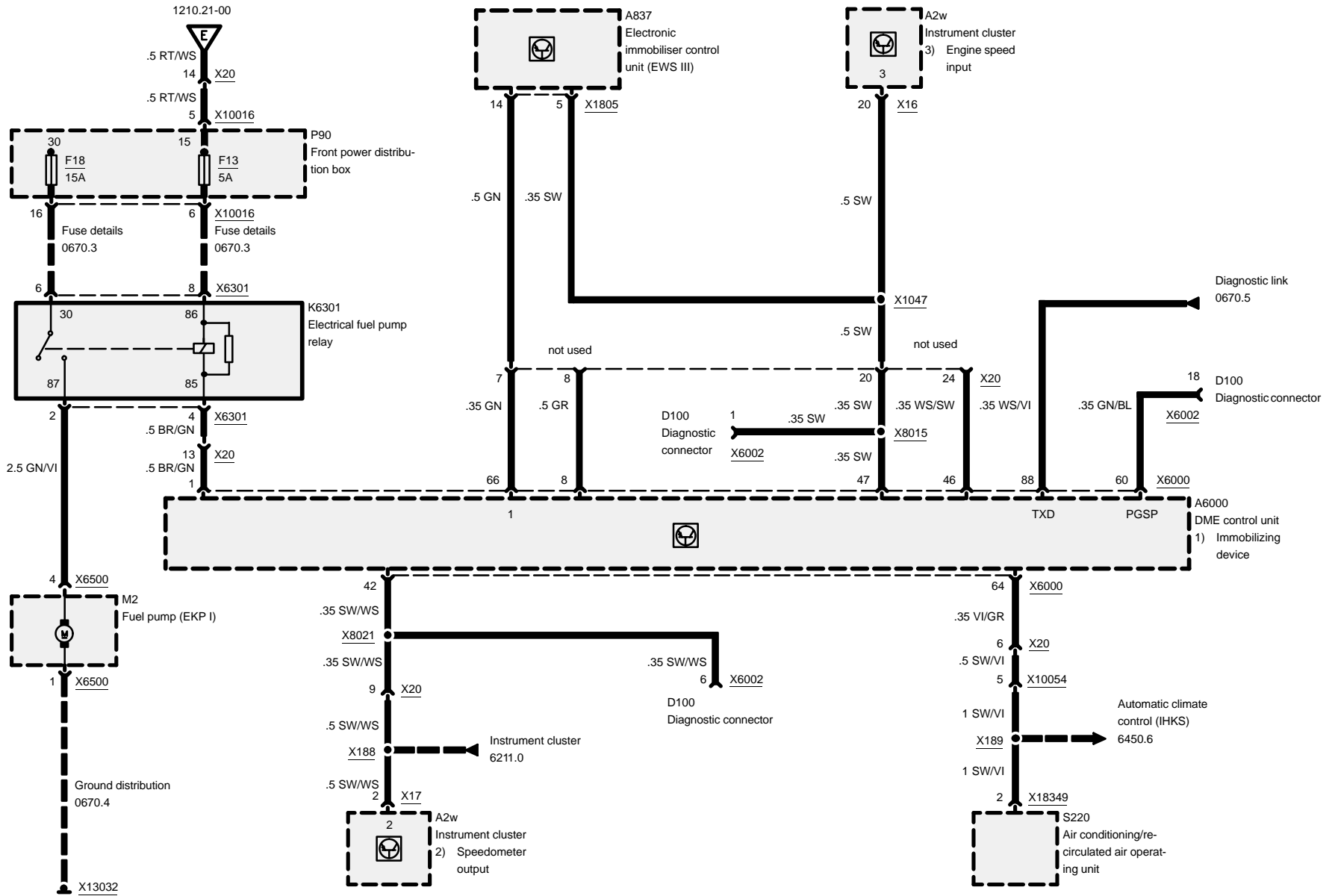
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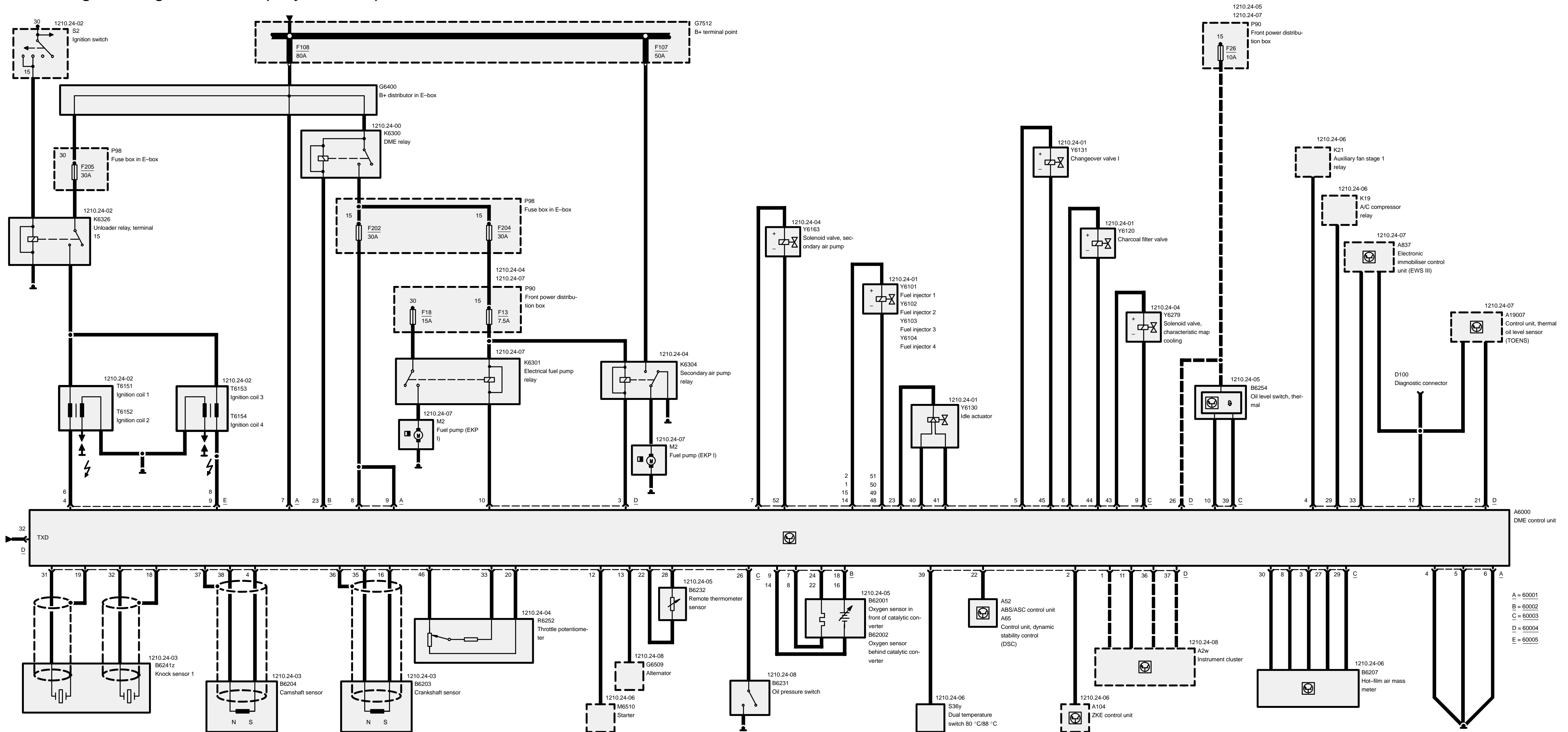




Z3

Digital motor electronics (DME MSS50, 6-cylinder S50 B32)

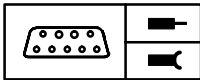




A = 60001
 B = 60002
 C = 60003
 D = 60004
 E = 60005



Z3

**Pin assignments**

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

X60001

Pin	Type	Signal	Description/Function	Connection
1			Not used	
2			Not used	
3			Not used	
4	M	M_EL	Ground	Ground point
5	M	M_EV	Ground	Ground connector
6	M	M_ES	Ground	Ground connector
7	E	30	Voltage supply	B+ distributor in E-box
8	E	U_HR<2	Voltage supply	Fuse in E-box, F202
9	E	U_HR<2	Voltage supply	Fuse in E-box, F202

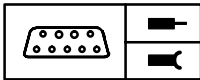
X60002

Pin	Type	Signal	Description/Function	Connection
1			Not used	
2			Not used	
3			Not used	
4			Not used	
5			Not used	
6			Not used	
7	M	M_LHV1	Ground, oxygen sensor heater	Oxygen sensor before catalytic converter
8	M	M_LHH1	Ground, oxygen sensor heater	Oxygen sensor after catalytic converter
9	M	M_LSV1	Oxygen sensor ground	Oxygen sensor before catalytic converter
10			Not used	

E = Input, A = Output, M = Ground



Z3

**Pin assignments**

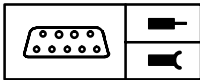
Pin	Type	Signal	Description/Function	Connection
11			Not used	
12			Not used	
13			Not used	
14	M	M_LSH1	Oxygen sensor ground	Oxygen sensor after catalytic converter
15			Not used	
16	E	A_LSH1	Sensor signal	Oxygen sensor after catalytic converter
17			Not used	
18	E	A_LSV1	Sensor signal	Oxygen sensor before catalytic converter
19			Not used	
20			Not used	
21			Not used	
22	E	T_LHH1	Signal, oxygen sensor heater	Oxygen sensor after catalytic converter
23	A	S_HR	Relay activation	DME relay
24	E	T_LHV1	Signal, oxygen sensor heater	Oxygen sensor before catalytic converter

X60003

Pin	Type	Signal	Description/Function	Connection
1	A	U_EVZ2	Supply, valve	Injection valve, cyl. 2
2	A	U_EVZ1	Supply, valve	Injection valve, cyl. 1
3	A	U_HFM	Supply, mass air flow sensor	Hot-film air mass meter
4	A	U_NWG	Supply, camshaft sensor	Camshaft sensor
5	A	U_DISA	Supply, valve	Changeover valve
6	A	U_TEV	Supply, valve	Fuel tank ventilation valve
7	A	U_SLV	Supply, valve	Air pump valve
8	M	M_HFM	Ground, air mass meter	Hot-film air mass meter
9	M	M_KFK	Ground, valve	Solenoid valve, characteristic map cooling
10	M	M_OTF	Sensor ground	Thermal oil level sensor
11			Not used	
12	E	S_30H	Start signal	Starter

E = Input, A = Output, M = Ground

Z3



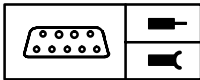
Pin assignments

Pin	Type	Signal	Description/Function	Connection
13	E	S_61-1	Charge signal	Alternator
14	A	U_EVZ4	Supply, valve	Injection valve, cyl. 4
15	A	U_EVZ3	Supply, valve	Injection valve, cyl. 3
16	A	U_KWG	Supply, sensor	Crankshaft position/rpm sensor
17			Not used	
18	M	M_KS1	Sensor ground	Knock sensor
19	M	M_KS2	Sensor ground	Knock sensor
20	M	M_DKG	Ground, throttle potentiometer	Throttle potentiometer
21			Not used	
22	M	M_TMOT	Ground, sensor	Remote thermometer sensor
23	M	M_LLFS	Ground, idle speed control valve	Idle actuator
24			Not used	
25			Not used	
26	E	S_OLD	Oil pressure signal	Oil pressure switch
27	A	V_HFMREF	Reference voltage	Hot-film air mass meter
28	E	A_TMOT	Temperature signal	Remote thermometer sensor
29	E	A_TANS	Intake air temperature signal	Hot-film air mass meter
30	E	A_HFM	Signal, air mass meter	Hot-film air mass meter
31	E	A_KS2A	Knock sensor signal	Knock sensor
32	E	A_KS1A	Knock sensor signal	Knock sensor
33	E	A_DKG1	Signal, throttle position	Throttle potentiometer
34			Not used	
35	E	P_KWGA	Signal, crankshaft position/rpm sensor	Crankshaft position/rpm sensor
36	M	M_KWG	Ground, crankshaft sensor/rpm sensor	Crankshaft position/rpm sensor
37	M	M_NWGA1	Ground, camshaft sensor	Camshaft sensor
38	E	P_NWGA1	Signal, camshaft sensor	Camshaft sensor
39	E	F_OLN	Oil level signal	Oil level sensor
40	A	T_LLFSO	Open signal	Idle actuator
41	A	T_LLFS	Close signal	Idle actuator
42			Not used	
43	A	S_KFK	Signal, characteristic map cooling	Solenoid valve, characteristic map cooling
44	A	T_TEV	Valve activation	Fuel tank ventilation valve
45	A	S_DISA	Valve activation	Changeover valve

E = Input, A = Output, M = Ground



Z3

**Pin assignments**

Pin	Type	Signal	Description/Function	Connection
46	A	U_DKG	Supply, throttle valve	Throttle potentiometer
47			Not used	
48	A	P_EVZ4	Valve activation	Injection valve, cyl. 4
49	A	P_EVZ3	Valve activation	Injection valve, cyl. 3
50	A	P_EVZ2	Valve activation	Injection valve, cyl. 2
51	A	P_EVZ1	Valve activation	Injection valve, cyl. 1
52	A	S_SLV	Valve activation	Valve, secondary air pump

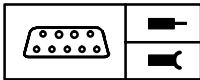
X60004

Pin	Type	Signal	Description/Function	Connection
1	A	61	Signal, charge indicator lamp	Instrument cluster
2	A	30H	Start signal	ZKE control unit
3	A	S_SLP	Relay activation	Relay, secondary air pump
4	A	ELUE	Relay activation	Auxiliary fan relay, stage 1
5			Not used	
6			Not used	
7			Not used	
8			Not used	
9			Not used	
10	A	EKP	Relay activation	Relay, electric fuel pump
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	Engine speed signal	EWS III/TOENS control unit
18			Not used	
19			Not used	
20			Not used	
21	A	A-OELN	Oil level signal	Control unit, thermal oil level sensor (TOENS)
22	E	DFAHR	Wheel speed signal, rear right	ABS/ASC/DSC control unit
23			Not used	

E = Input, A = Output, M = Ground



Z3

**Pin assignments**

Pin	Type	Signal	Description/Function	Connection
24			Not used	
25			Not used	
26	E	15A26	Terminal 15	Fuse 26
27			Not used	
28			Not used	
29	A	S_KOREL	Relay activation	Relay, A/C compressor
30			Not used	
31			Not used	
32	E/A	TXDII	TxD diagnostic link	Diagnostic connector
33	E	EWSDME	Vehicle immobilization	Control unit, electronic vehicle immobilization (EWS III)
34			Not used	
35			Not used	
36	E/A	CAN+	CAN-bus High	Instrument cluster, ABS/ASC/DSC control unit
37	E/A	CAN-	CAN-bus Low	Instrument cluster, ABS/ASC/DSC control unit
38			Not used	
39	E	80@27C	Signal, coolant temperature above 80°C	Dual temperature switch
40			Not used	

X60005

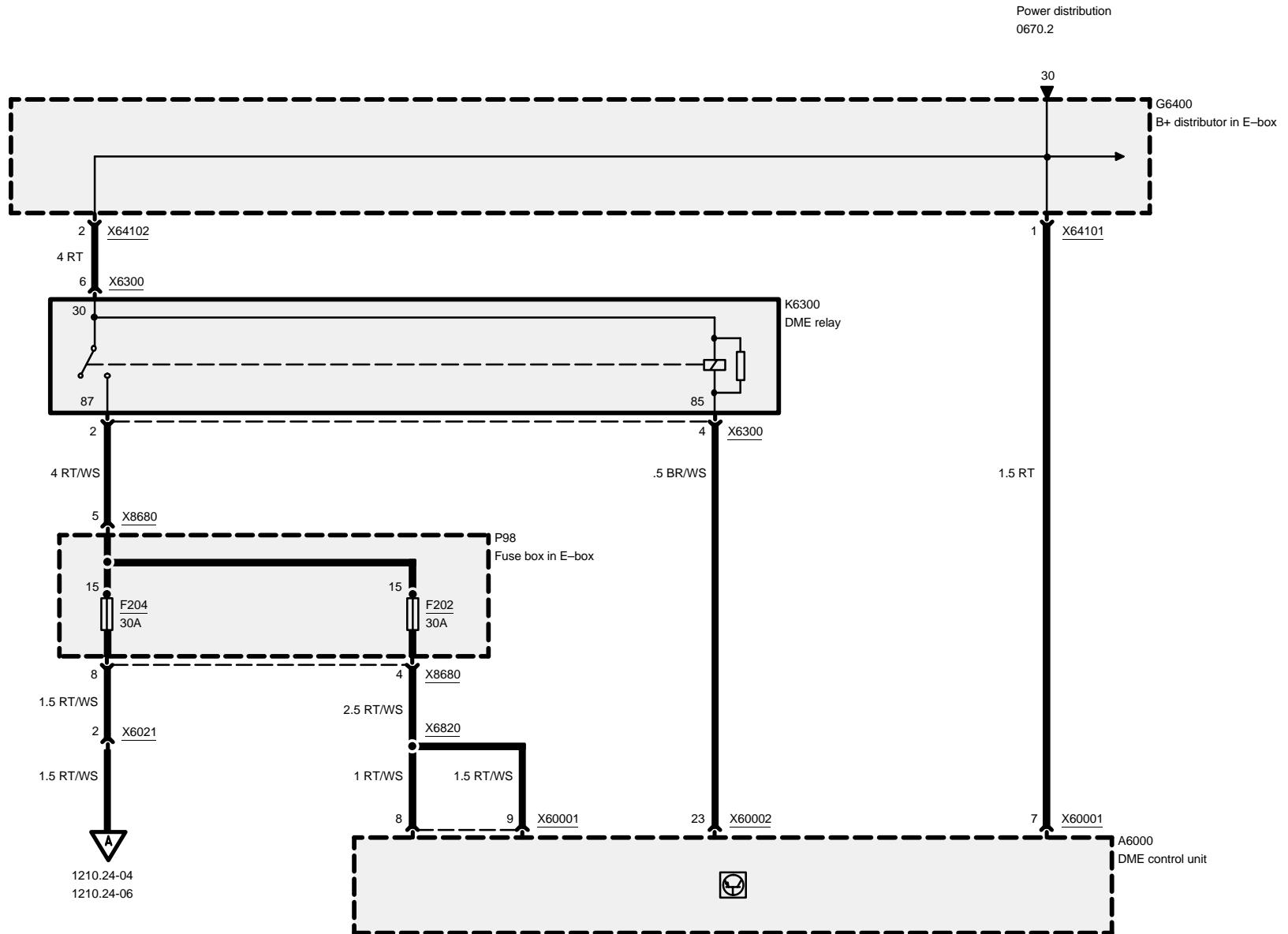
Pin	Type	Signal	Description/Function	Connection
1			Not used	
2			Not used	
3			Not used	
4	A	P_ZSZ2	Ignition signal	Ignition coil 2
5			Not used	
6	A	P_ZSZ1	Ignition signal	Ignition coil 1
7			Not used	
8	A	P_ZSZ3	Ignition signal	Ignition coil 3
9	A	P_ZSZ4	Ignition signal	Ignition coil 4

E = Input, A = Output, M = Ground



Engine management BMS46 (4-cylinder M43)

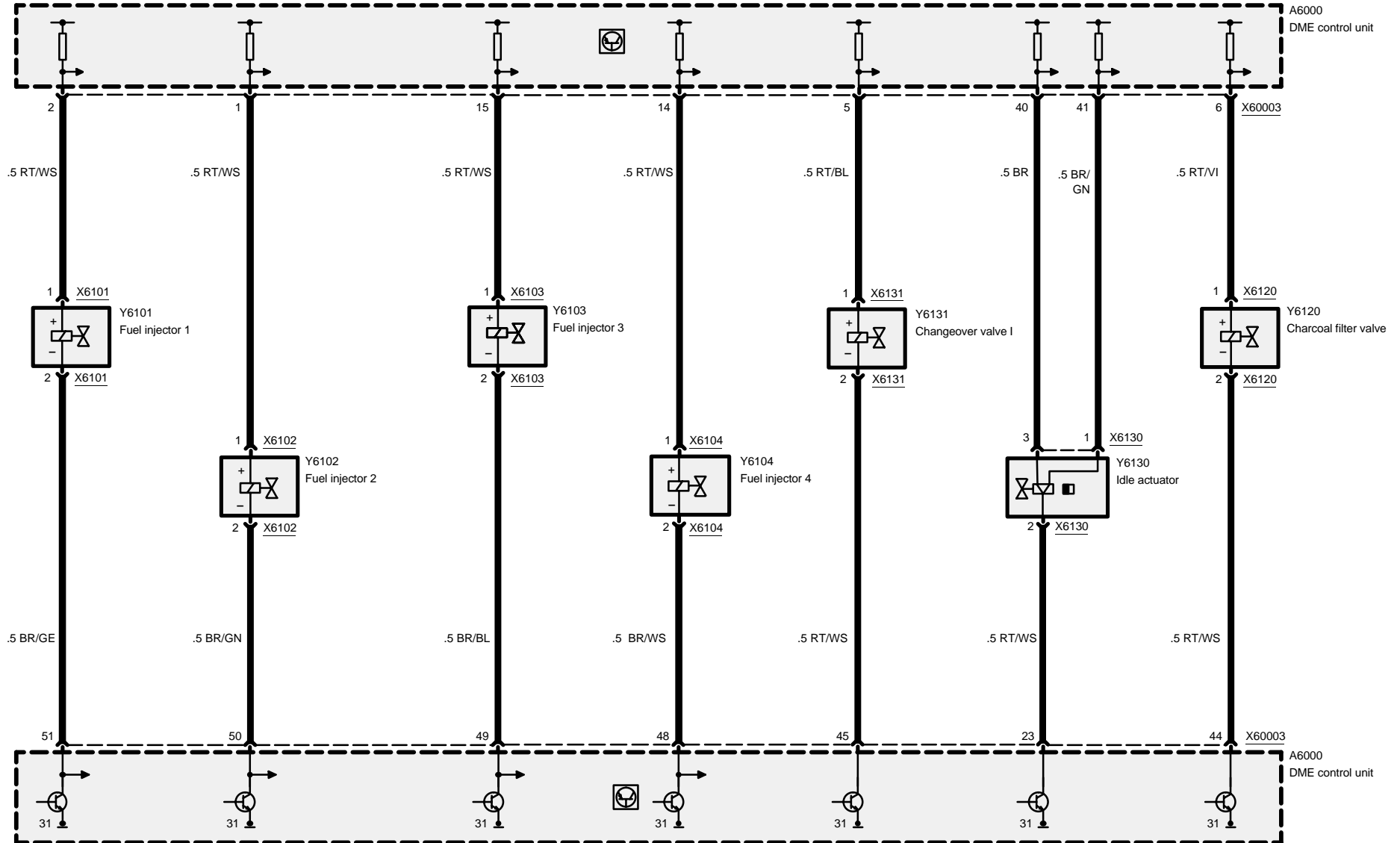
Current





Engine management BMS46 (4-cylinder M43)

Z3

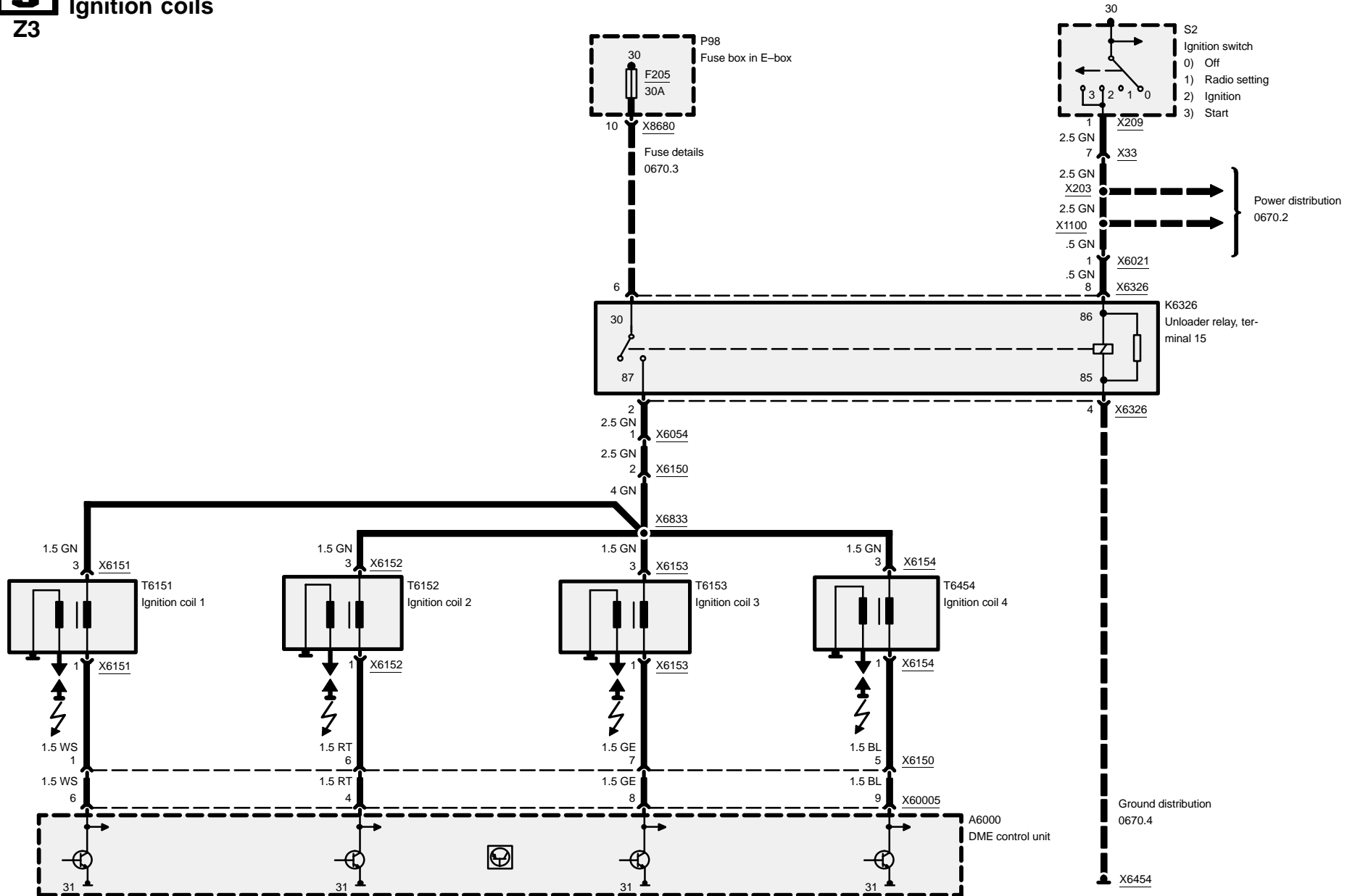




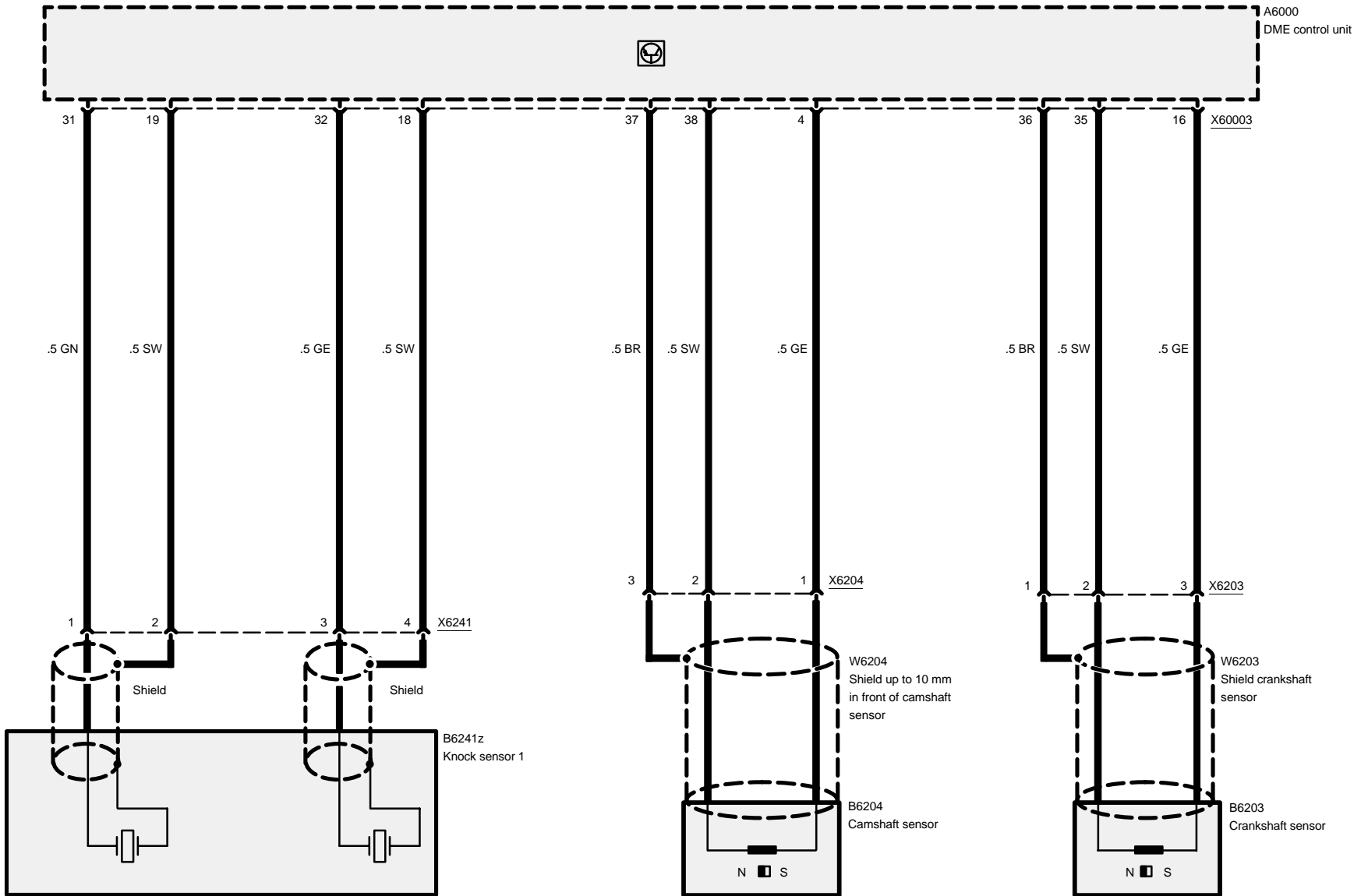
Engine management BMS46 (4-cylinder M43)

Ignition coils

Z3



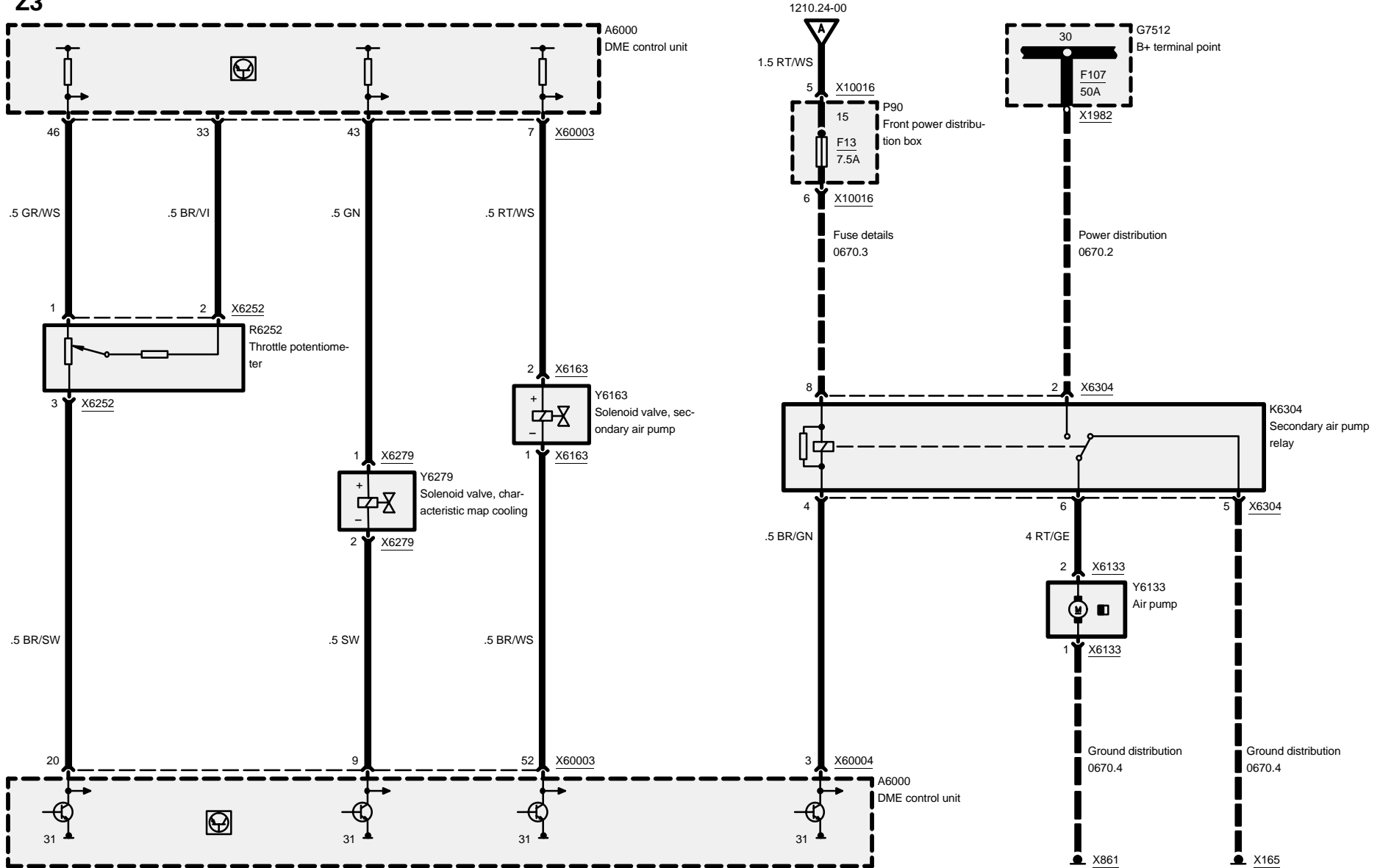
Engine management BMS46 (4-cylinder M43)





Engine management BMS46 (4-cylinder M43)

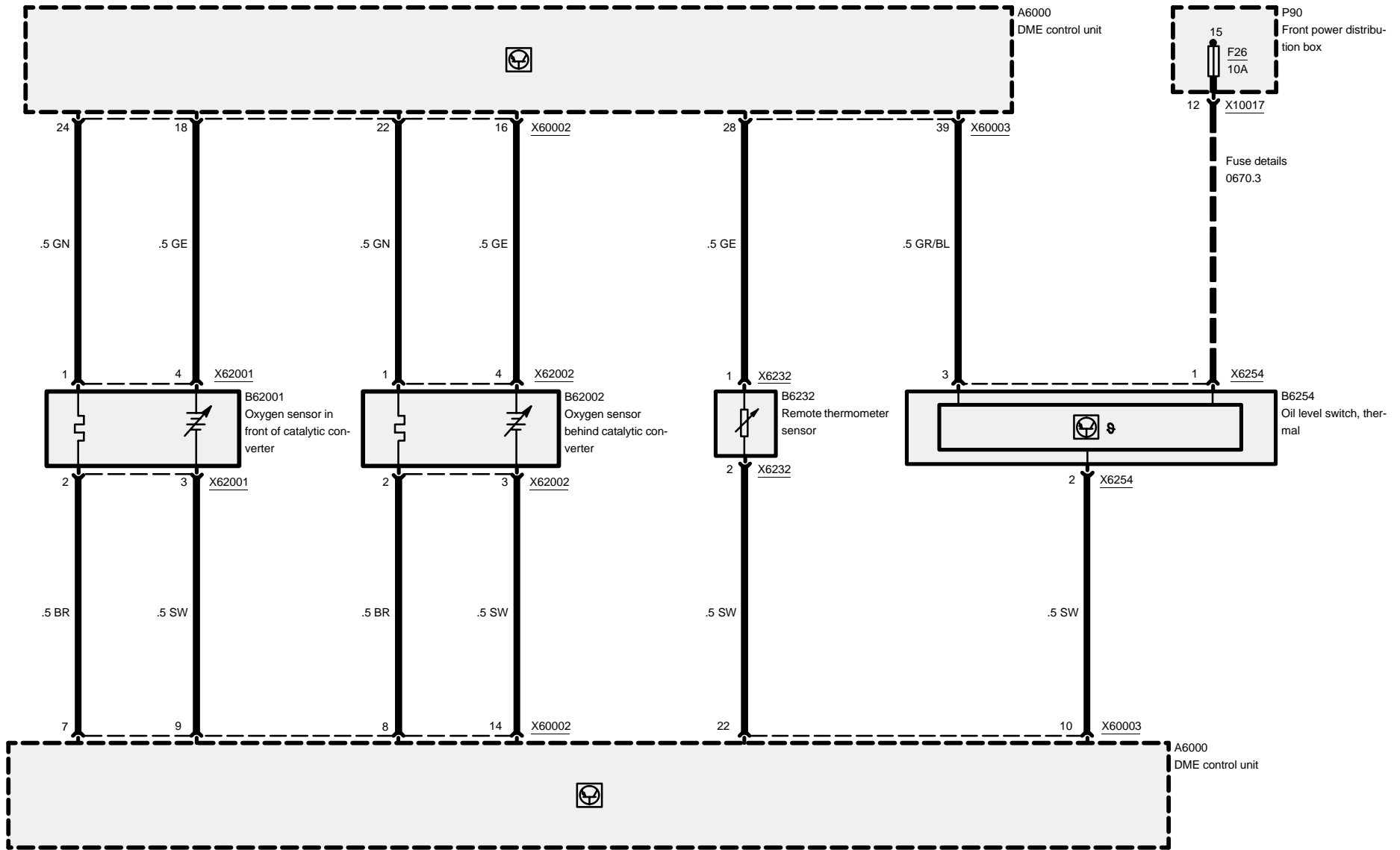
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Engine management BMS46 (4-cylinder M43)

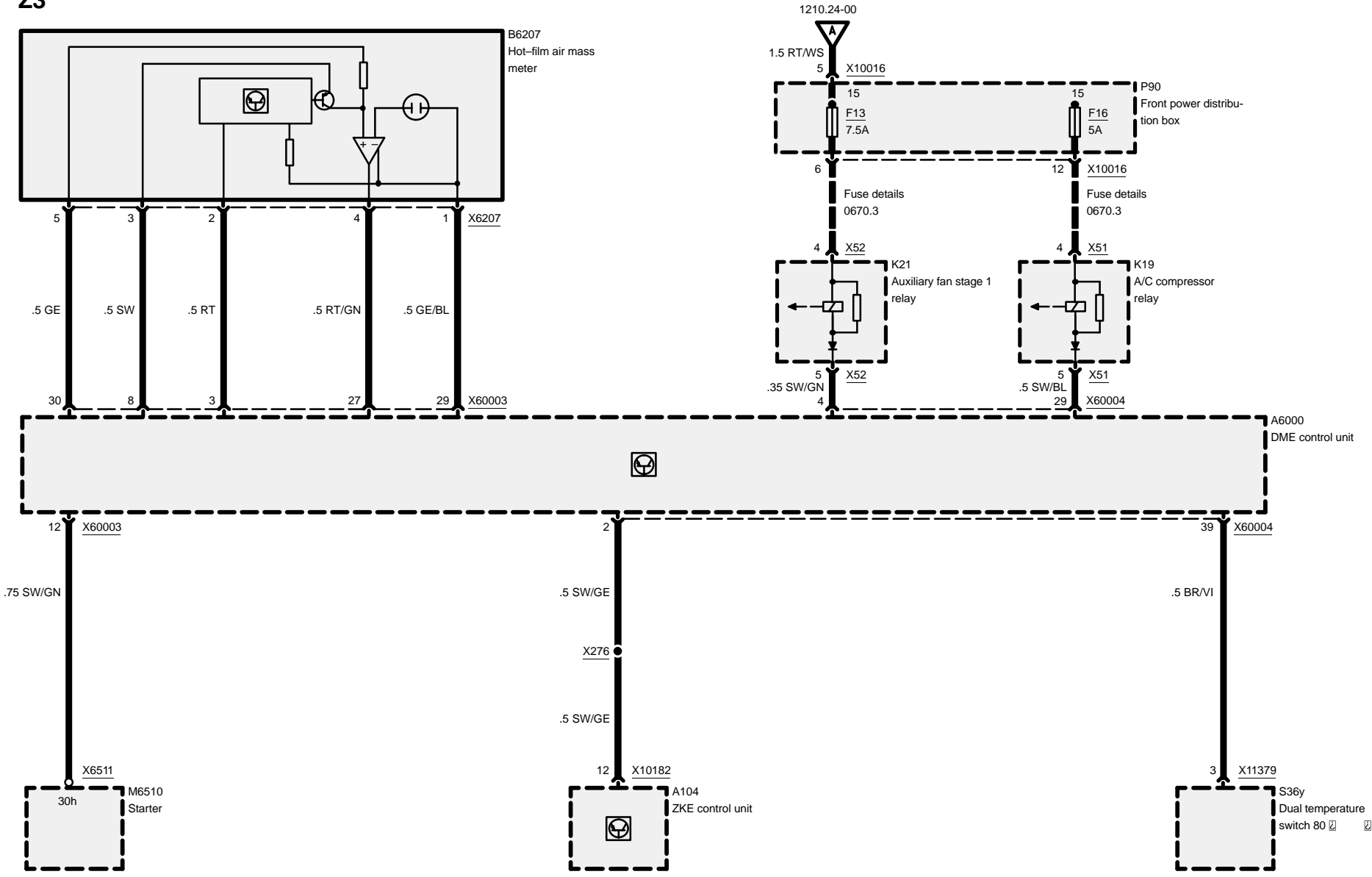
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Engine management BMS46 (4-cylinder M43)

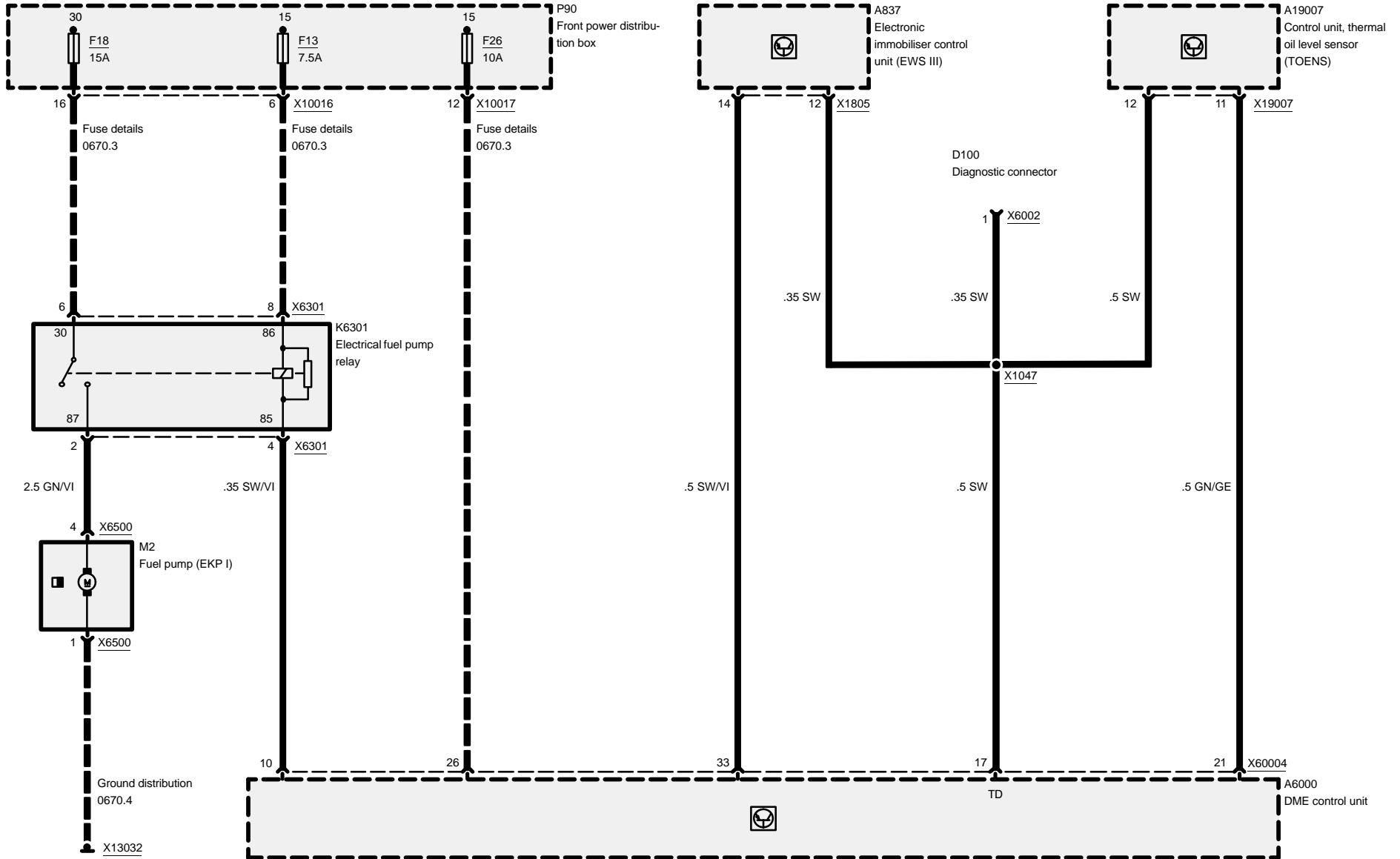
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Engine management BMS46 (4-cylinder M43)

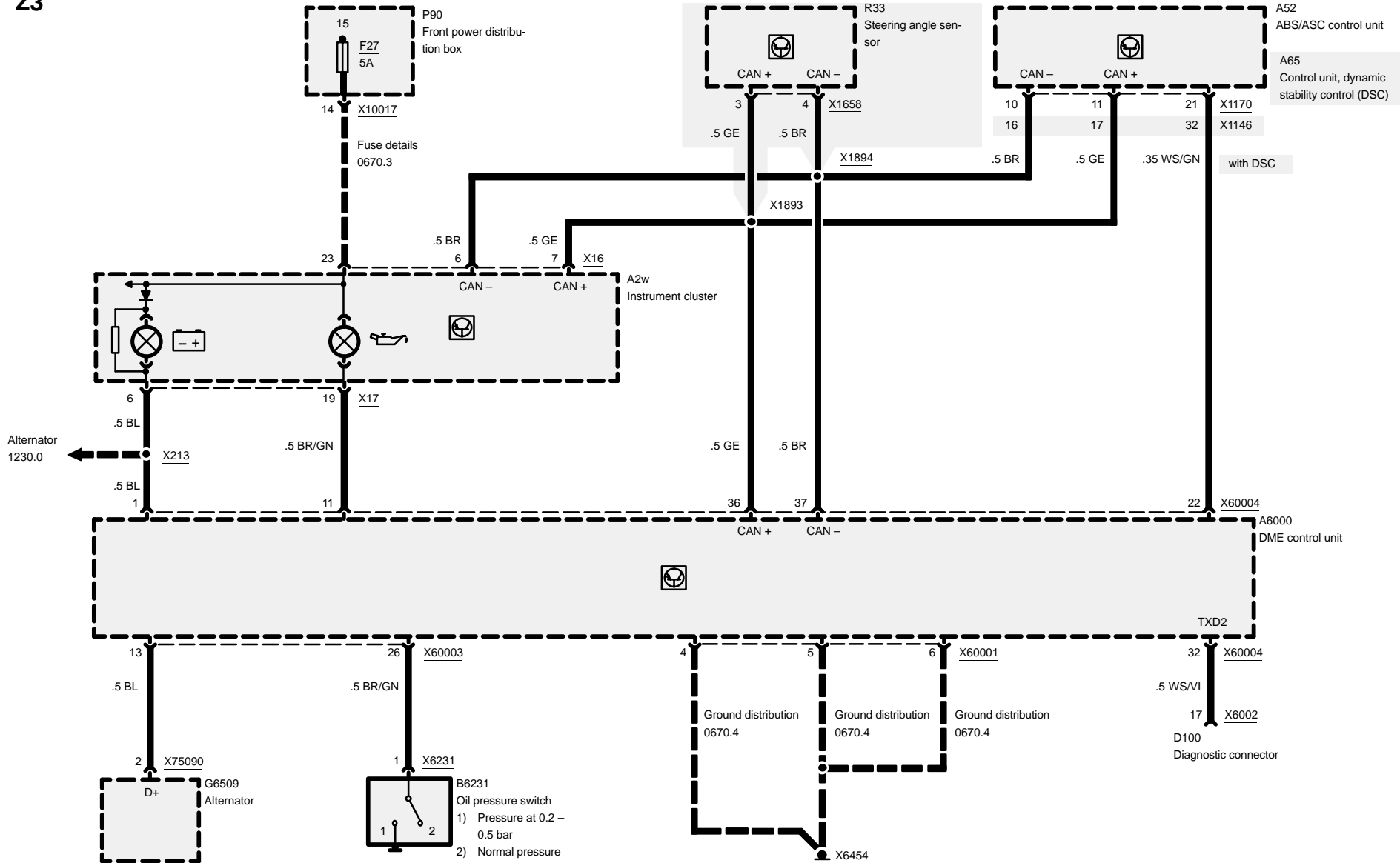
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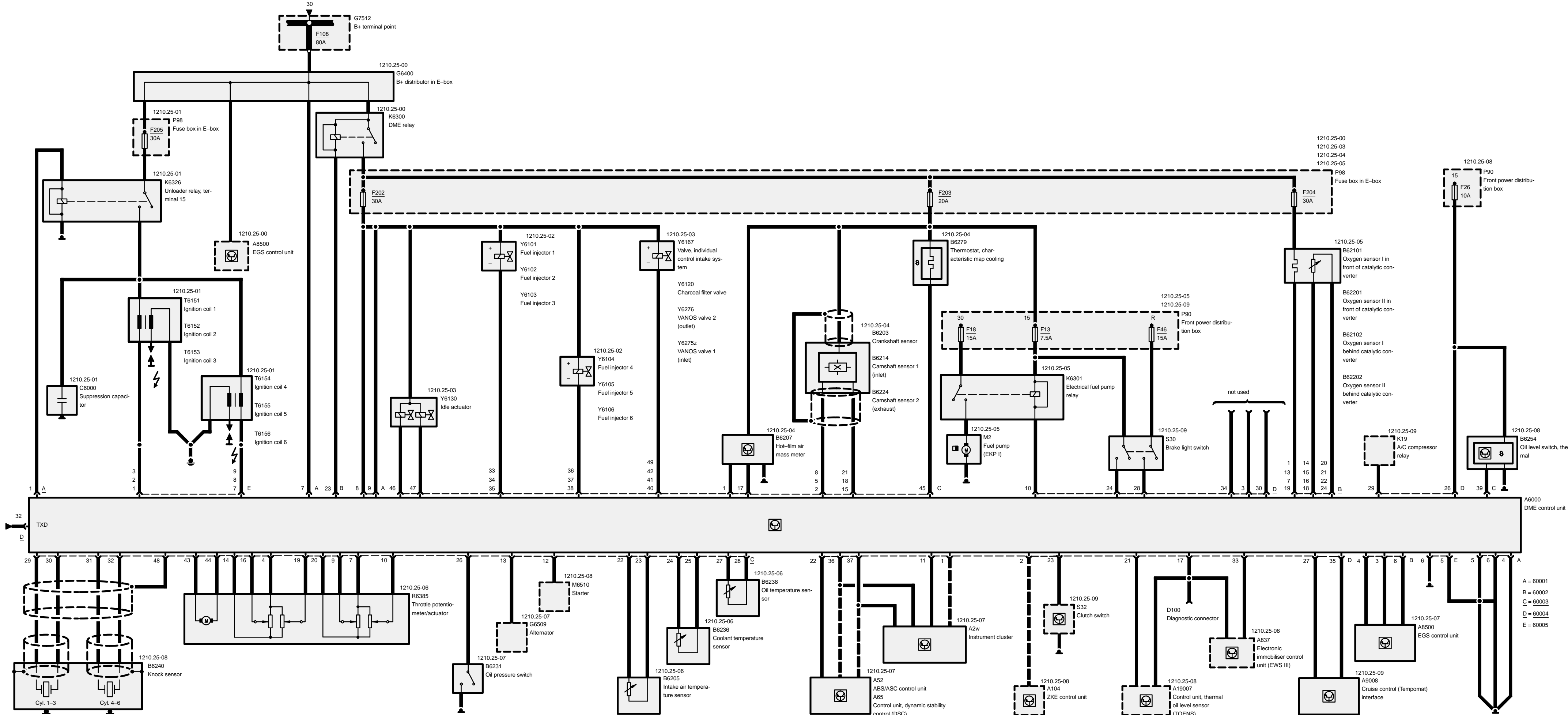




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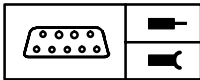
Engine management BMS46 (4-cylinder M43)







Z3

**Pin assignments (Right-hand drive)**

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

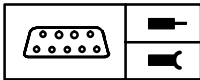
X60001

Pin	Type	Signal	Description/Function	Connection
1	A	15	Relay activation	Load-relief relay, terminal 15
2			Not used	
3			Not used	
4	M	31E	Ground	Ground point
5	M	31L	Ground	Ground connector
6	M	31L	Ground	Ground connector
7	E	30	Voltage supply	B+ distributor in E-box
8	E	U_HR<2	Voltage supply	Fuse in E-box, F202
9	E	U_HR<2	Voltage supply	Fuse in E-box, F202

X60002

Pin	Type	Signal	Description/Function	Connection
1	E	T_LHV1	Signal, oxygen sensor heater	Oxygen sensor 1 in front of catalytic converter
2			Not used	
3	E/A	D_CAN-L	CAN bus Low	EGS control unit
4	E/A	D_CAN-H	CAN-bus High	EGS control unit
5			Not used	
6	E/A	D_TXD2	TxD diagnostic link	EGS control unit
7	E	T_LHH2	Signal, oxygen sensor heater	Oxygen sensor 2 behind catalytic converter
8			Not used	
9			Not used	
10			Not used	
11			Not used	

E = Input, A = Output, M = Ground



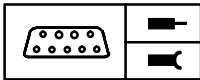
Pin assignments (Right-hand drive)

Pin	Type	Signal	Description/Function	Connection
12			Not used	
13	E	T_LHV2	Signal, oxygen sensor heater	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_LSH2	Sensor signal	Oxygen sensor 2 behind catalytic converter
17			Not used	
18	E	A_LSH1	Sensor signal	Oxygen sensor 1 behind catalytic converter
19	E	T_LHH1	Signal, oxygen sensor heater	Oxygen sensor 1 behind catalytic converter
20	M	M_LSV1	Oxygen sensor ground	Oxygen sensor 1 in front of catalytic converter
21	M	M_LSV2	Oxygen sensor ground	Oxygen sensor 2 in front of catalytic converter
22	M	M_LSH2	Oxygen sensor ground	Oxygen sensor 2 behind catalytic converter
23	A	S_HR	Relay activation	DME relay
24	M	M_LSH1	Oxygen sensor ground	Oxygen sensor 1 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 sensor 2 (exhaust)
3			Not used	
4	A	U_DKFW1	Voltage supply	Throttle potentiometer 1
5	E	P_NWGE1	Signal, camshaft position	Camshaft sensor 1 (inlet)
6			Not used	
7	A	U_DKFW2	Voltage supply	Throttle potentiometer 2
8	E	P_KWG	Signal, crankshaft position/rpm sensor	Crankshaft sensor
9	E	A_FWG2	Throttle valve signal	Throttle potentiometer 2
10	E	A_DKG2	Throttle valve signal	Throttle potentiometer 2

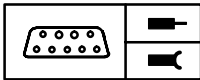
E = Input, A = Output, M = Ground



Pin assignments (Right-hand drive)

Pin	Type	Signal	Description/Function	Connection
11			Not used	
12	E	S_30H	Start signal	Starter
13	E	S_61-1	Charge signal	Alternator
14	M	M_DKFW1	Ground	Throttle potentiometer 1
15	M	M_NWGA1	Ground	Camshaft sensor 2 (outlet)
16	E	A_FWG1	Throttle valve signal	Throttle potentiometer 1
17	M	M_HFM	Ground	Hot-film air mass meter
18	M	M_NWGE1	Ground	Camshaft sensor 1 (inlet)
19	E	A_DKG1	Throttle valve signal	Throttle potentiometer 1
20	M	M_DKFW2	Ground	Throttle potentiometer 2
21	M	M_KWG	Ground	Crankshaft 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	Coolant temperature sensor
25	M	M_TMOT	Ground	Coolant temperature sensor
26	E	A_OLD	Oil pressure signal	Oil pressure switch
27	E	A_TOEL	Temperature signal	Oil temperature sensor
28	M	M_OTF	Ground	Oil temperature sensor
29	E	A_KS1A	Knock sensor, cyl. 1 – 3	Knock sensor
30	E	A_KS1B	Knock sensor, cyl. 1 – 3	Knock sensor
31	E	A_KS2A	Knock sensor, cyl. 4 – 6	Knock sensor
32	E	A_KS2B	Knock sensor, cyl. 4 – 6	Knock sensor
33	A	P_EVZ1	Valve activation	Injection valve, cyl. 1
34	A	P_EVZ2	Valve activation	Injection valve, cyl. 2
35	A	P_EVZ3	Valve activation	Injection valve, cyl. 3
36	A	P_EVZ4	Valve activation	Injection valve, cyl. 4
37	A	P_EVZ5	Valve activation	Injection valve, cyl. 5
38	A	P_EVZ6	Valve activation	Injection valve, cyl. 6
39	E	F_OLN	Oil level signal	Oil level sensor
40	A	T_NWE1	Valve activation	Vanos valve 1 (inlet)
41	A	T_NWA1	Valve activation	Vanos valve 2 (outlet)
42	A	T_TEV	Valve activation	Fuel tank ventilation valve
43	A	T_MDK1	Activation, actuator	Throttle potentiometer
44	A	T_MDK2	Activation, actuator	Throttle potentiometer

E = Input, A = Output, M = Ground



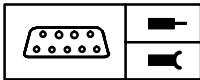
Pin assignments (Right-hand drive)

Pin	Type	Signal	Description/Function	Connection
45	A	S_KFK	Signal, characteristic map cooling	Thermostat, characteristic map cooling
46	A	T_LLFSS	Close signal	Idle actuator
47	A	T_LLFSS	Open signal	Idle actuator
48	A	W_KS	Ground	Shield, knock sensor
49	A	S_DISA	Valve activation	Valve, individual control intake system
50			Not used	
51			Not used	
52	A	S_SLPV1	Valve activation	Secondary air pump valve

X60004

Pin	Type	Signal	Description/Function	Connection
1	A	61	Signal, charge indicator lamp	Instrument cluster
2	A	30H	Start signal	ZKE control unit
3	A	SLP	Relay activation	Secondary air pump relay
4			Not used	
5			Not used	
6			Not used	
7			Not used	
8			Not used	
9			Not used	
10	A	EKP	Relay activation	Relay, electric fuel pump
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	Engine speed signal	Control unit, thermal oil level sensor (TOENS)/Control unit, electronic vehicle immobilization (EWS III)
18	A	AKL	Valve activation	Exhaust-gas flap valve
19	E	RFL	Signal, reverse	Gearbox selector lever switch/reversing light switch

E = Input, A = Output, M = Ground



Pin assignments (Right-hand drive)

Pin	Type	Signal	Description/Function	Connection
20			Not used	
21	A	A-OELN	Oil level signal	Control unit, thermal oil level sensor (TOENS)
22	E	DFAHR	Wheel speed signal, rear right	ABS/ASC/DSC control unit
23	E	KUPP	Signal, clutch operated	Clutch switch
24	E	KL 54 ON	Signal, brake operated	Brake light switch
25			Not used	
26	E	15A26	Terminal 15	Fuse 26
27	E	MFL	Cruise control (Tempomat) signal	Interface, cruise control (Tempomat)
28	E	S_BLTS	Test signal	Brake light switch
29	A	S_KOREL	Relay activation	Relay, A/C compressor
30	A	LDPV	Activation, leak diagnosis pump	Not used
31			Not used	
32	E/A	TXDII	TxD diagnostic link	Diagnostic connector
33	E	EWSDME	Vehicle immobilization	Control unit, electronic vehicle immobilization (EWS III)
34	E	LDPS	Signal, leak diagnosis	Not used
35	M	31	Ground	Interface, cruise control (Tempomat)
36	E/A	CAN+	CAN-bus High	Instrument cluster/ ABS/ASC/DSC control unit
37	E/A	CAN+	CAN bus Low	Instrument cluster/ ABS/ASC/DSC control unit
38			Not used	
39			Not used	
40			Not used	

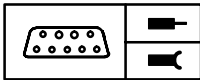
X60005

Pin	Type	Signal	Description/Function	Connection
1	A	P_ZSZ3	Ignition signal	Ignition coil 3
2	A	P_ZSZ2	Ignition signal	Ignition coil 2
3	A	P_ZSZ1	Ignition signal	Ignition coil 1
4			Not used	
5	M	31L	Ground	Ground point
6	M	A_ZSR	Ground, ignition	Ground connector

E = Input, A = Output, M = Ground



Z3

**Pin assignments (Right-hand drive)**

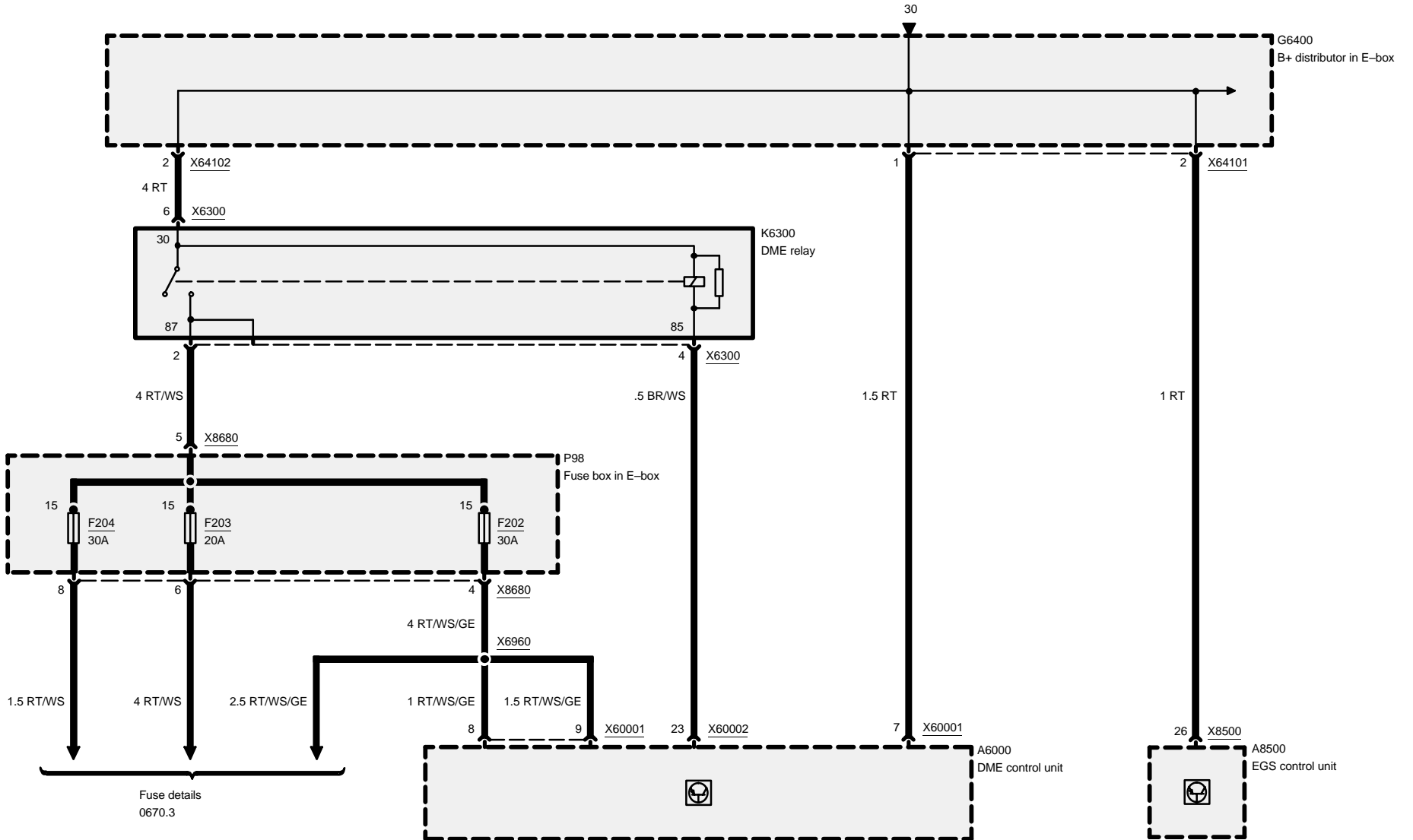
Pin	Type	Signal	Description/Function	Connection
7	A	P_ZSZ6	Ignition signal	Ignition coil 6
8	A	P_ZSZ5	Ignition signal	Ignition coil 5
9	A	P_ZSZ4	Ignition signal	Ignition coil 4



Engine management MS42.1 (6-cylinder M52)

Current

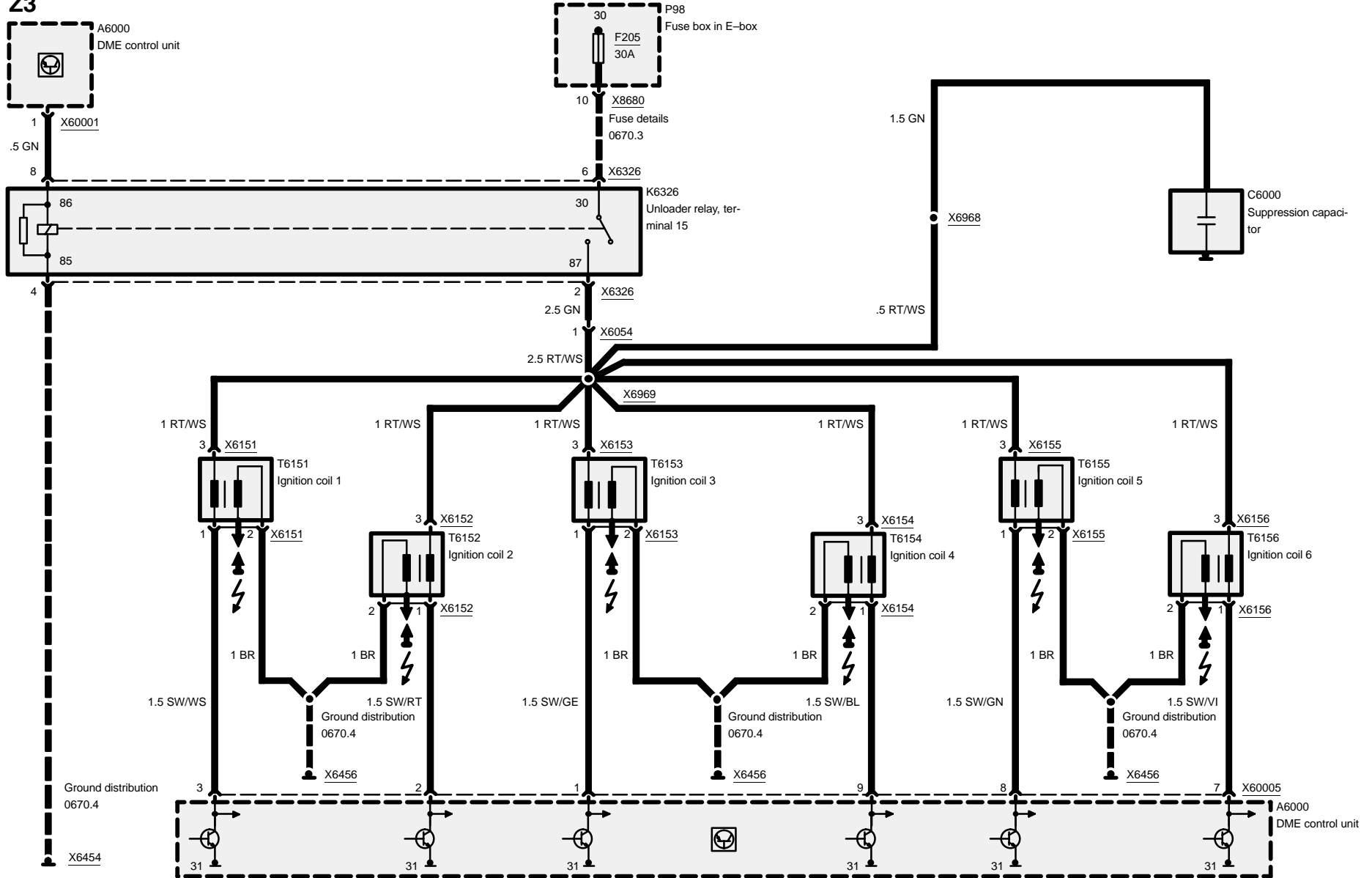
Power distribution
0670.2

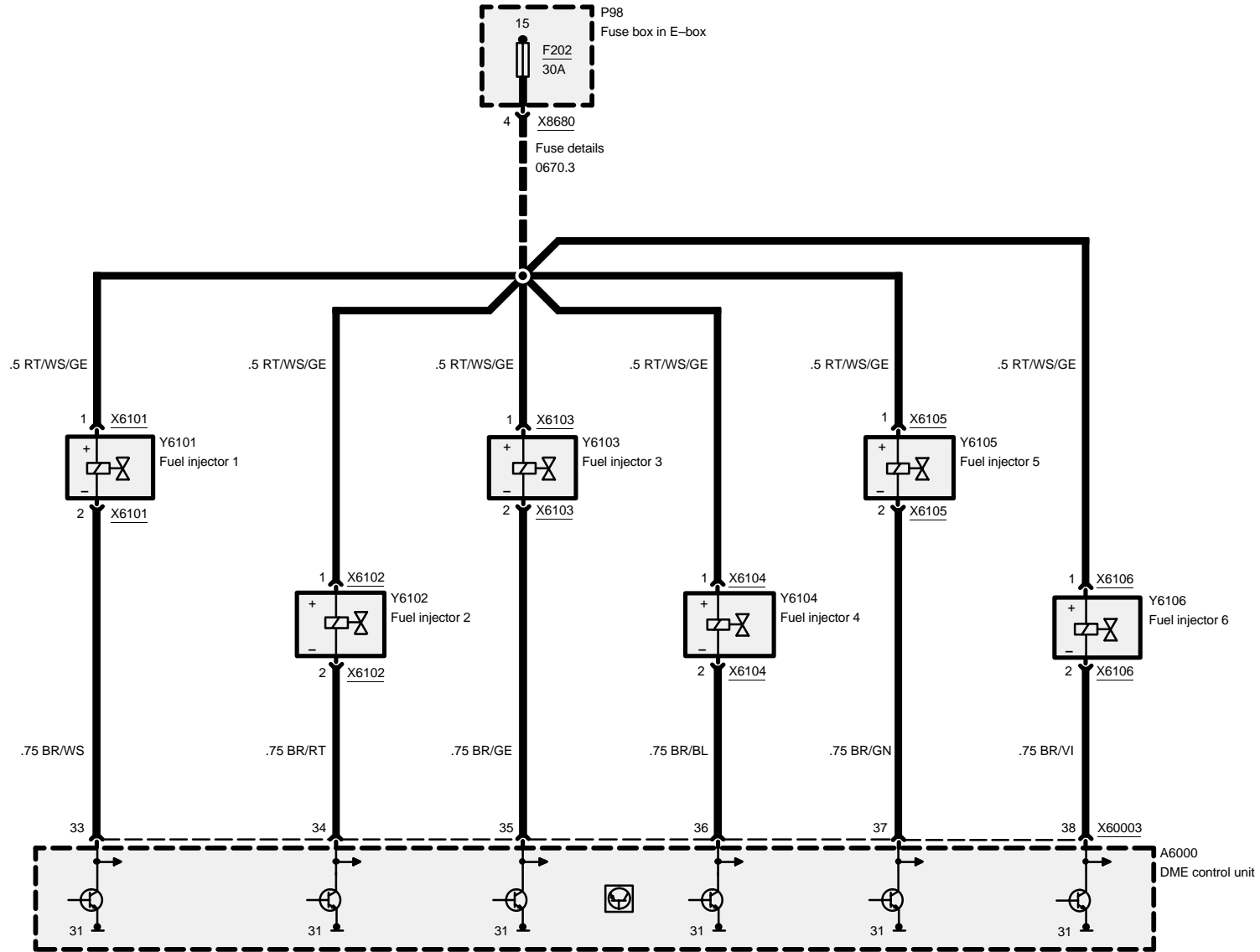


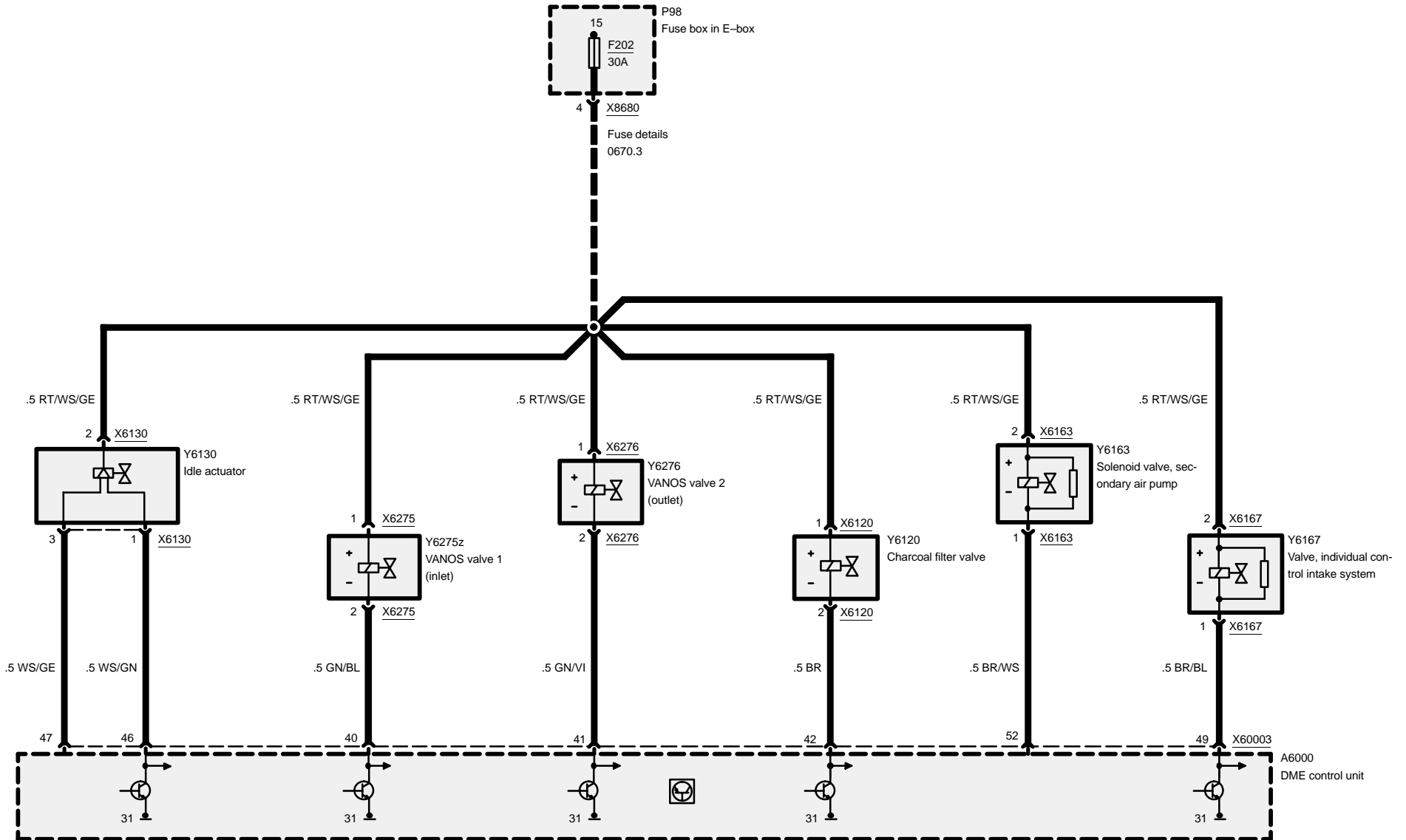


Engine management MS42.1 (6-cylinder M52)

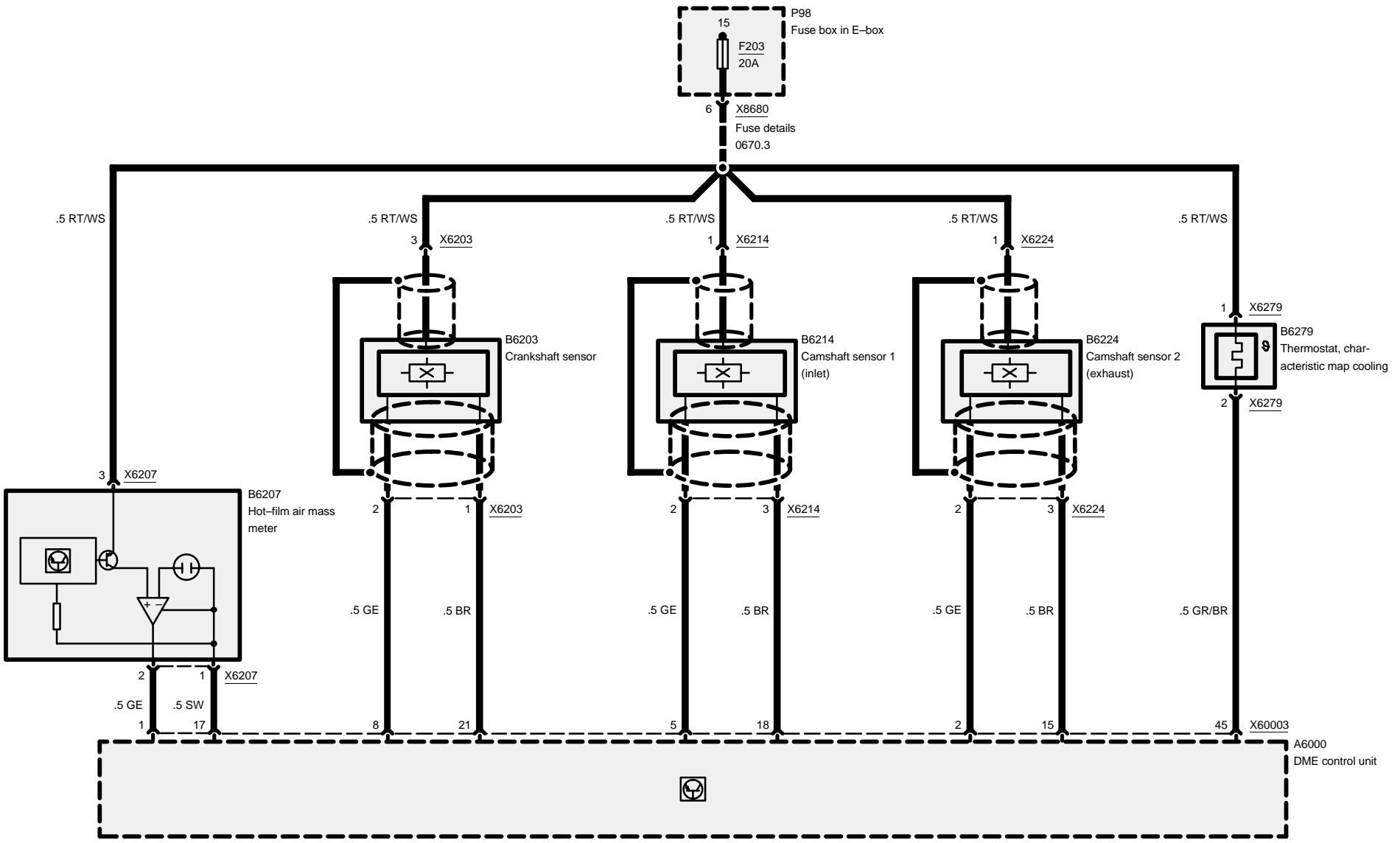
Z3

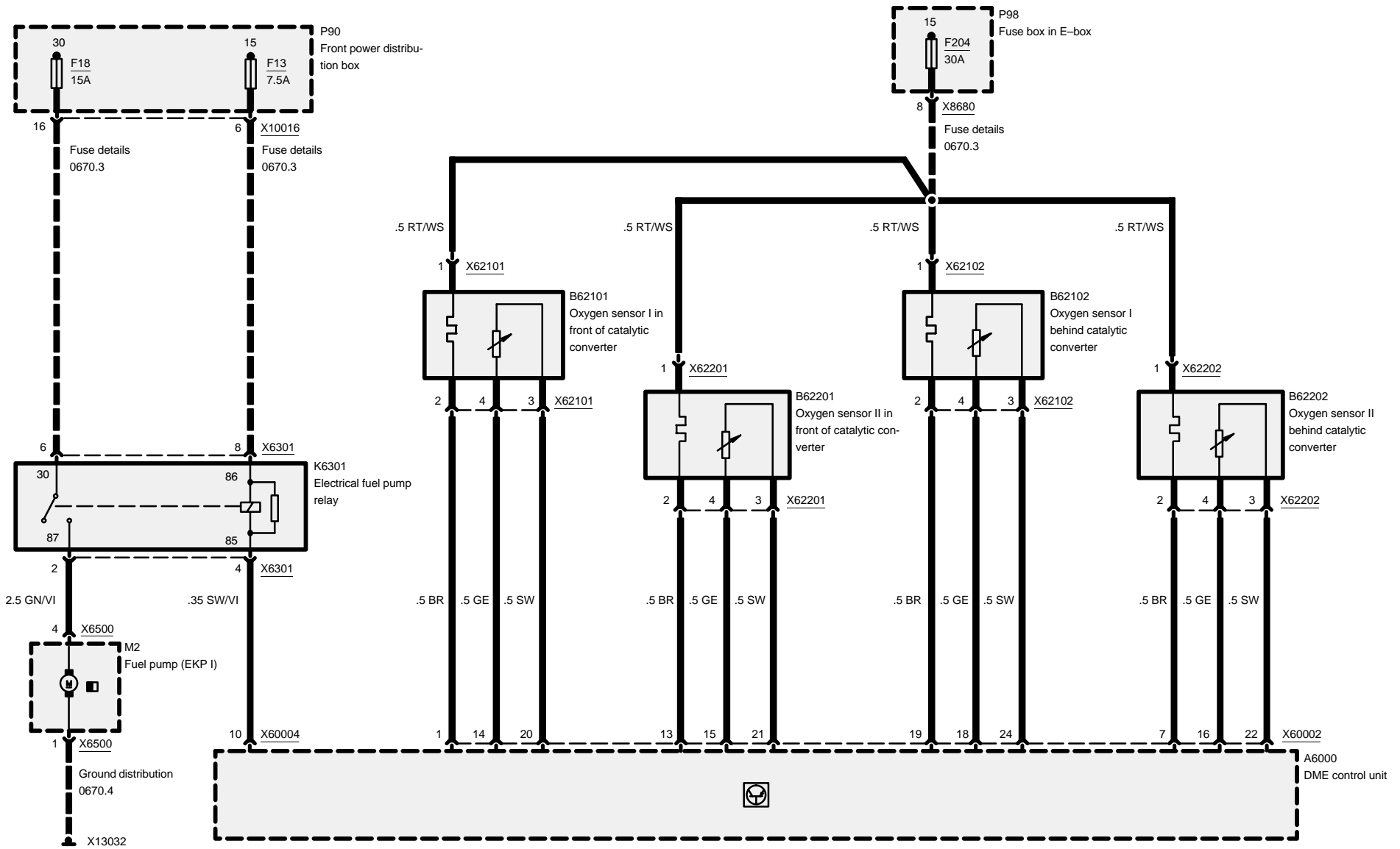






Engine management MS42.1 (6-cylinder M52)

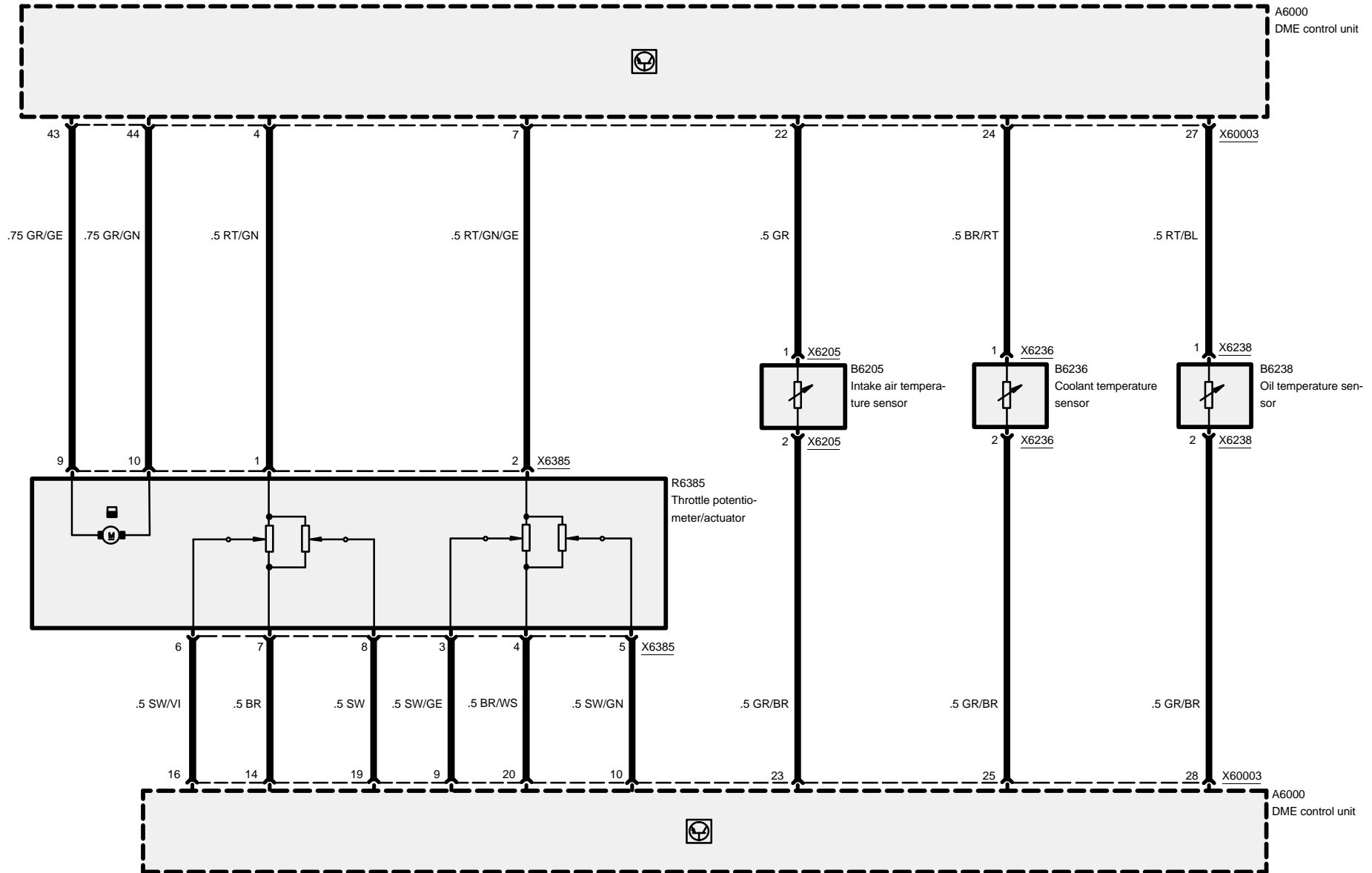






Engine management MS42.1 (6-cylinder M52)

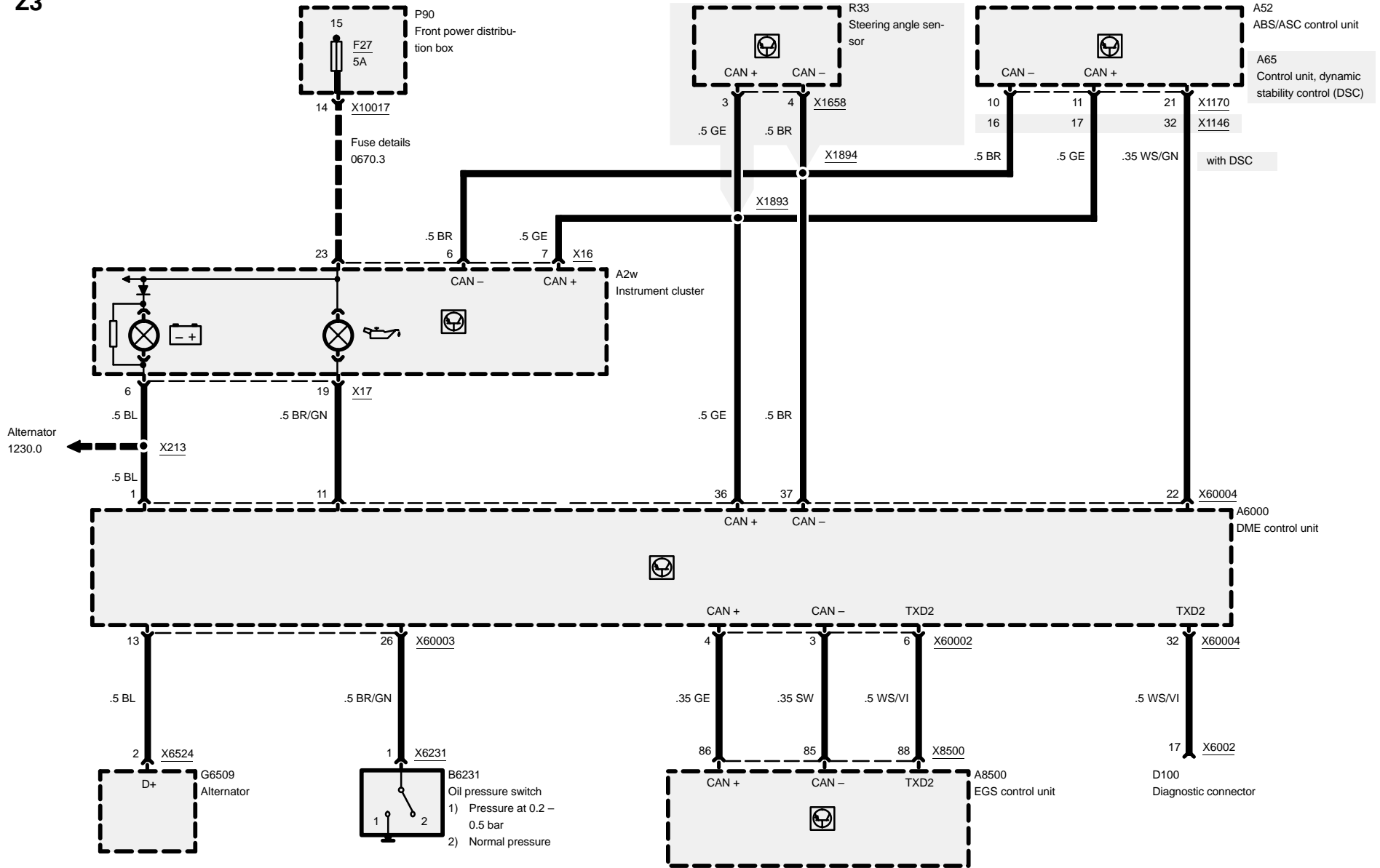
Z3



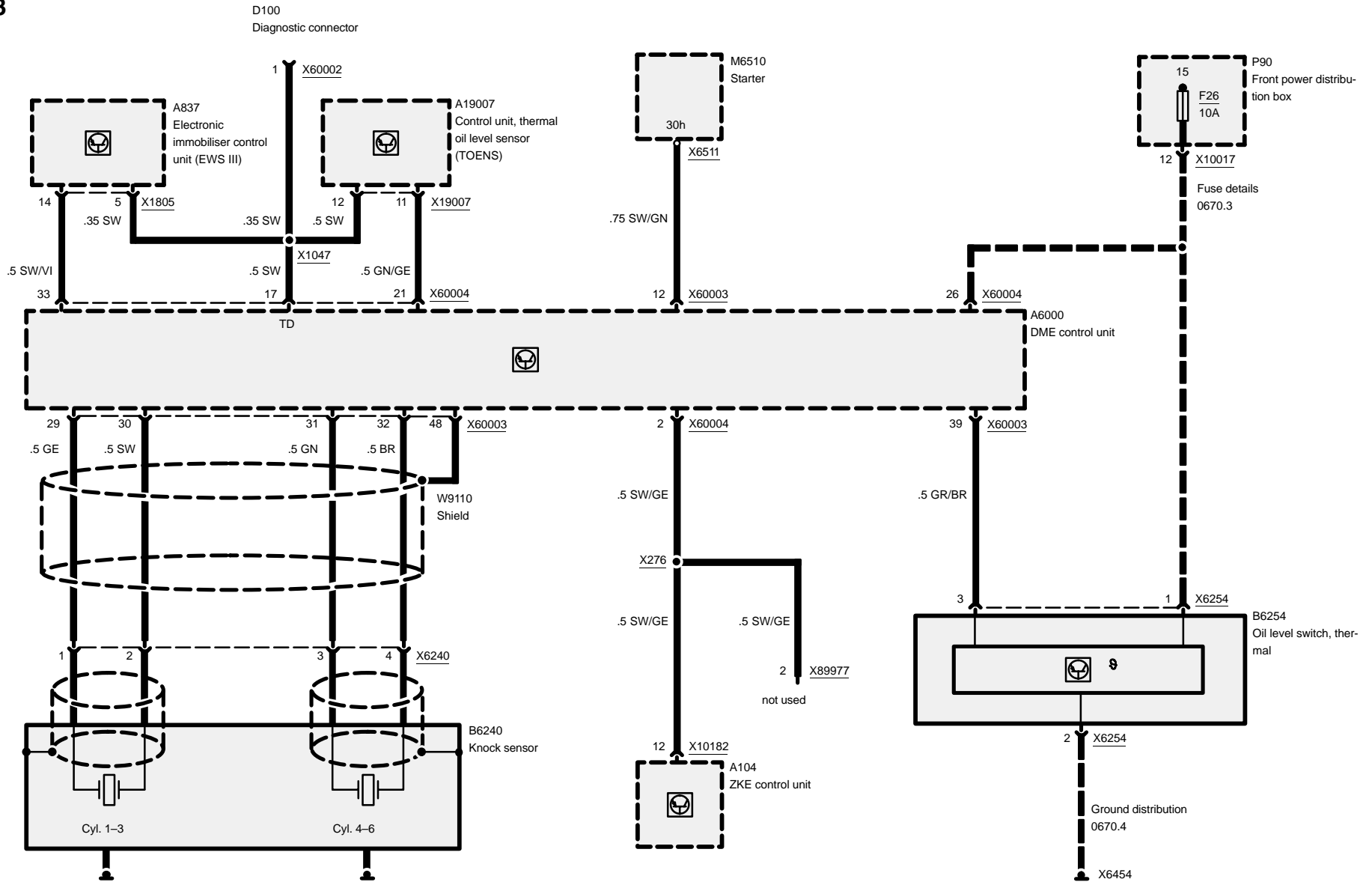


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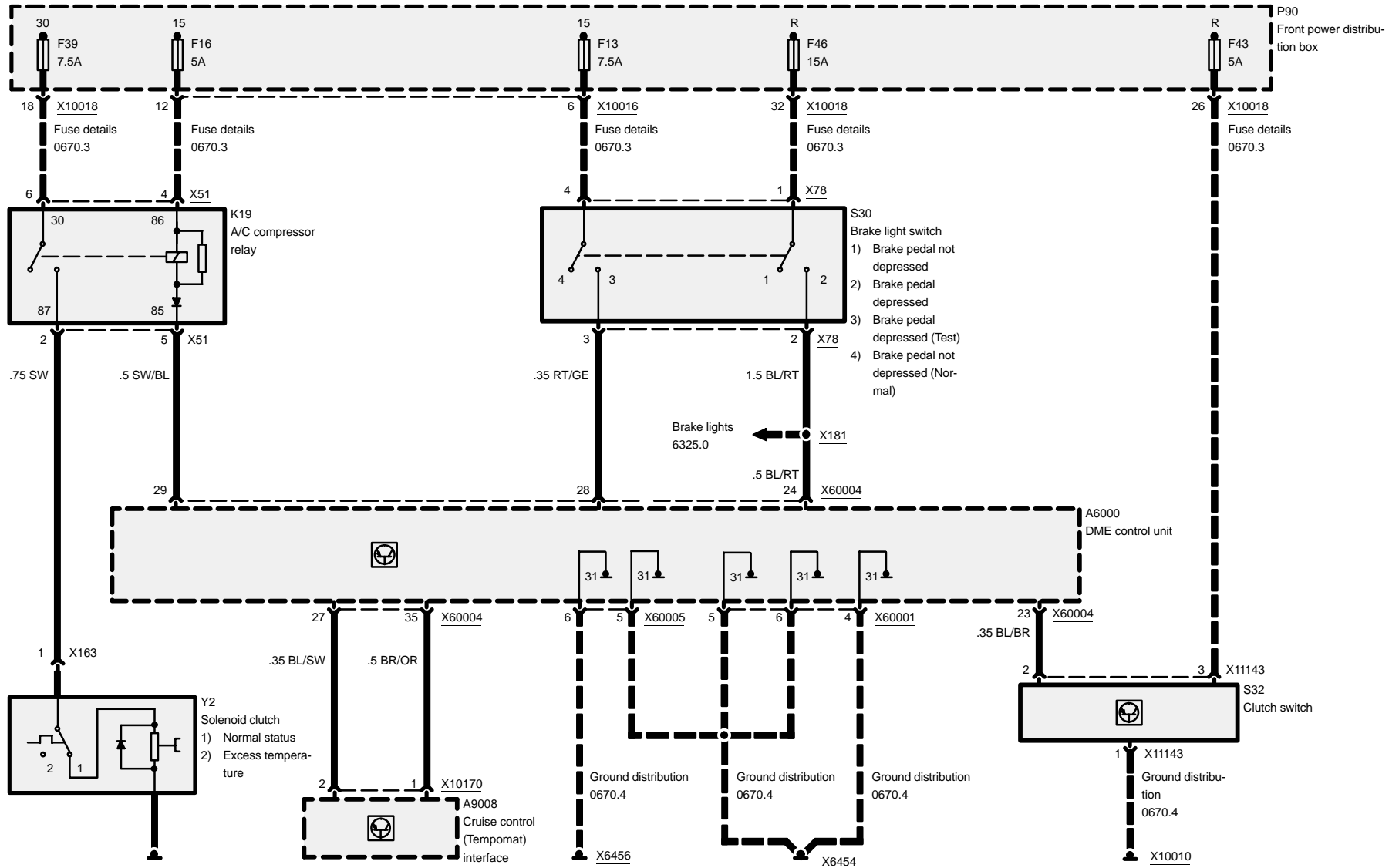
Engine management MS42.1 (6-cylinder M52)



Engine management MS42.1 (6-cylinder M52)



Engine management MS42.1 (6-cylinder M52)

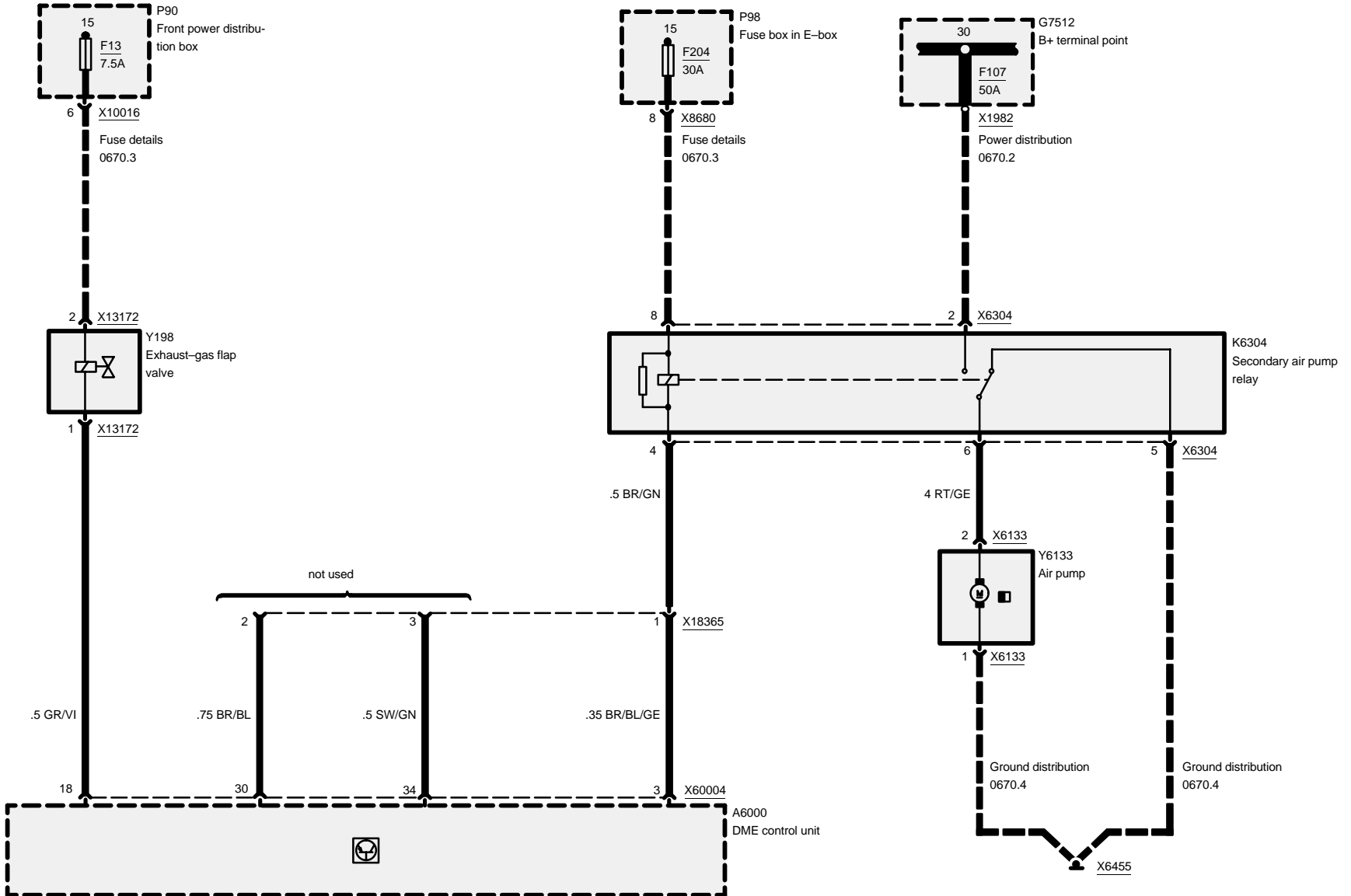




Z3

Engine management MS42.1 (6-cylinder M52)

Right-hand drive

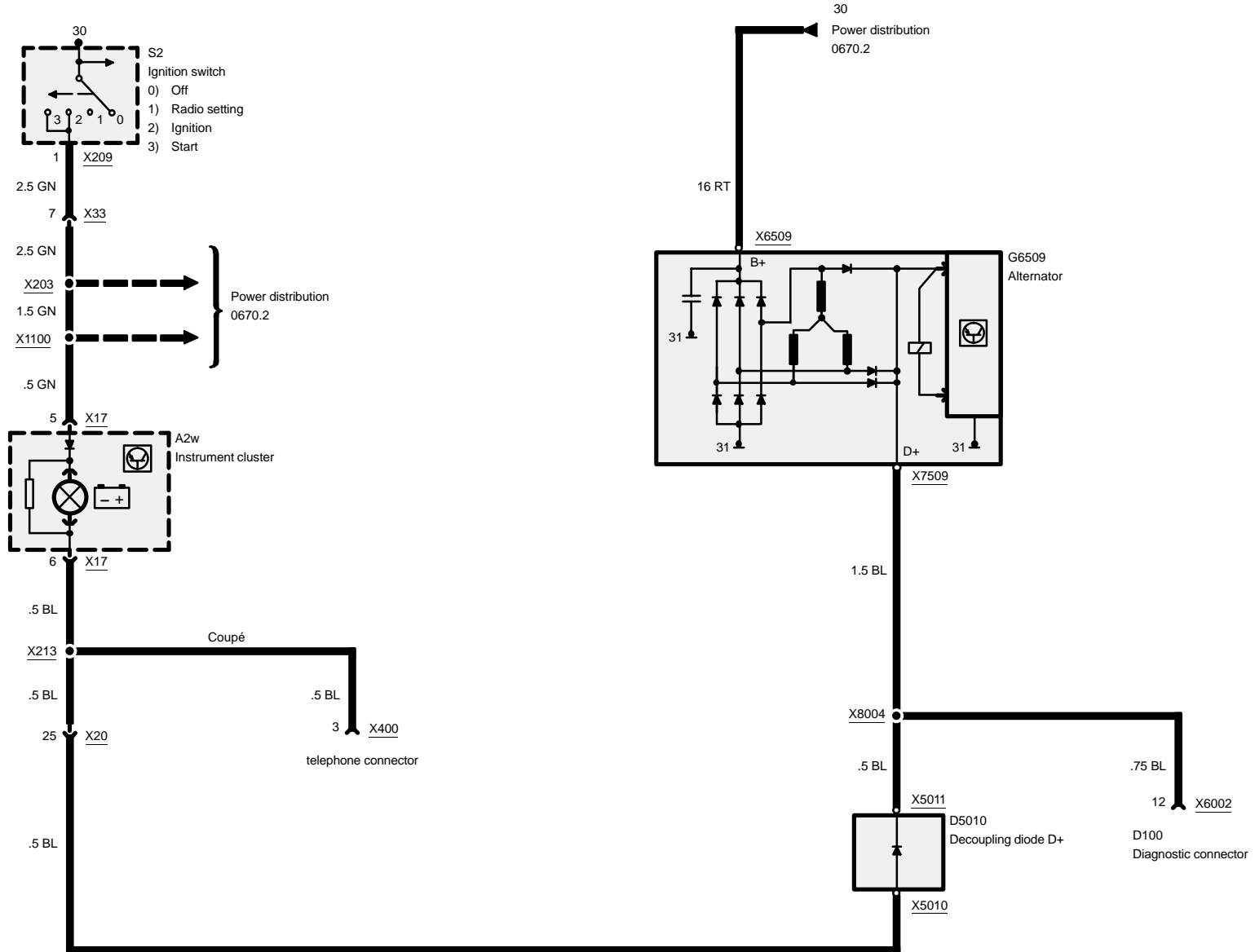


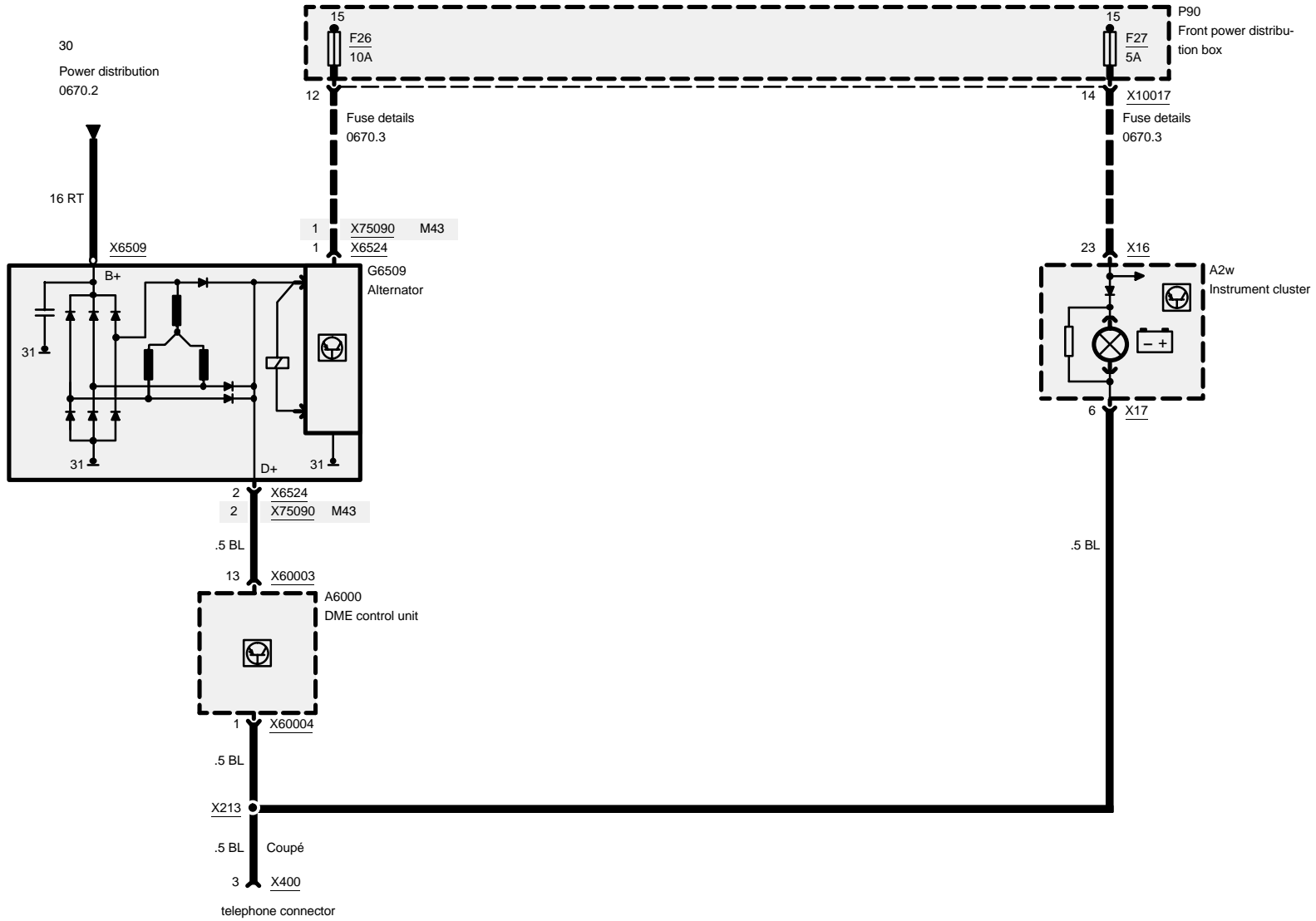


Z3

1230.0 Alternator

S50



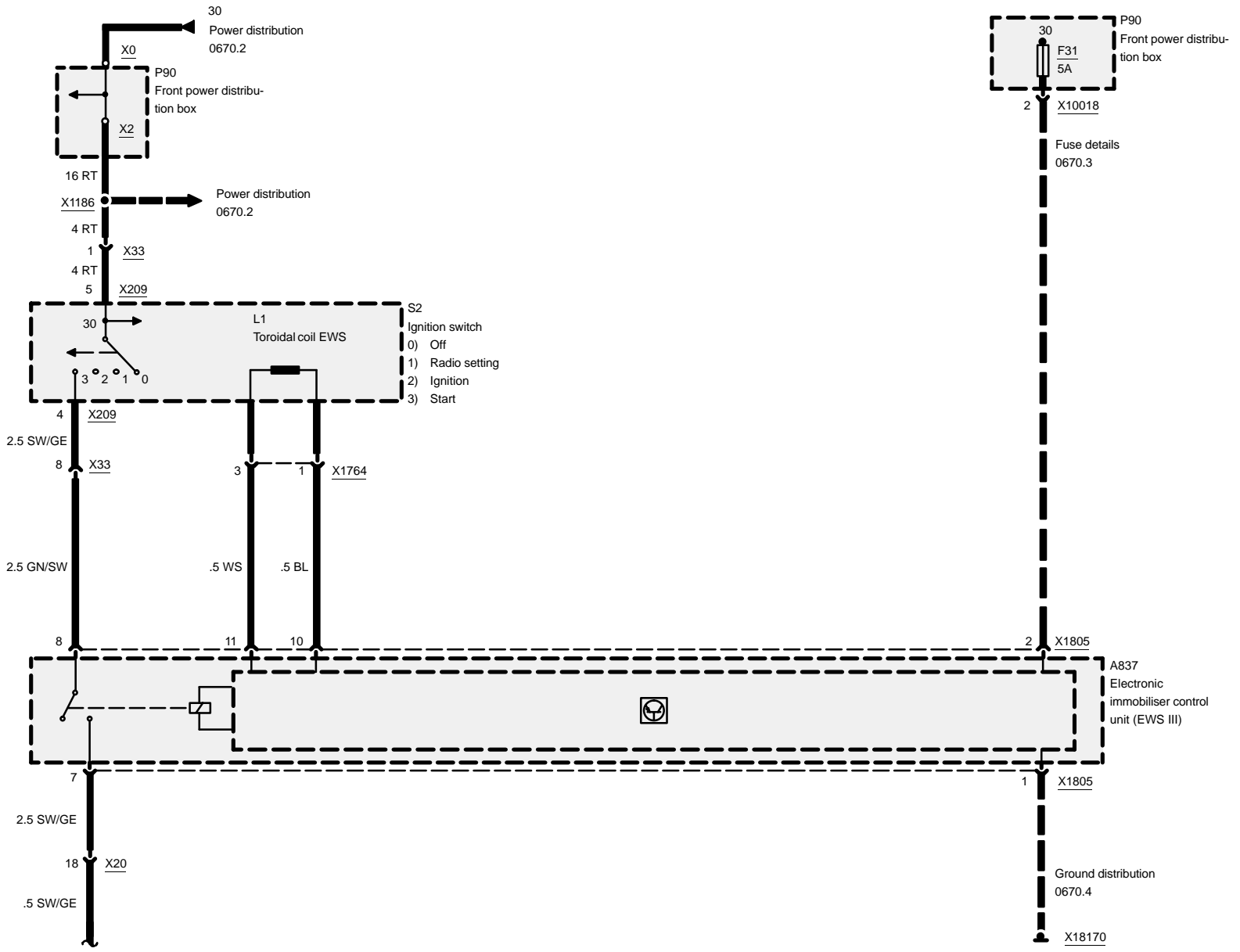


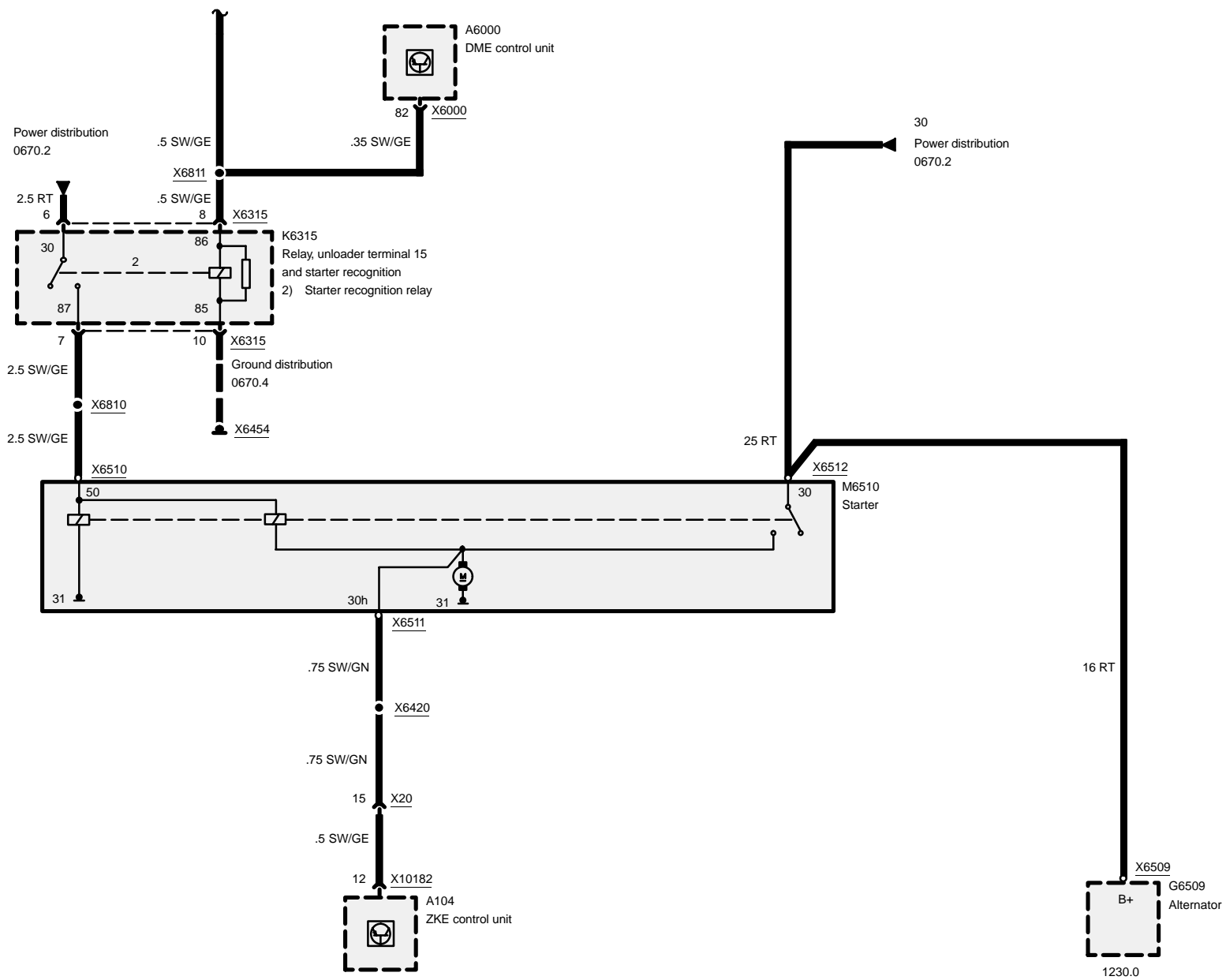


Z3

1240.0 Starter

S50



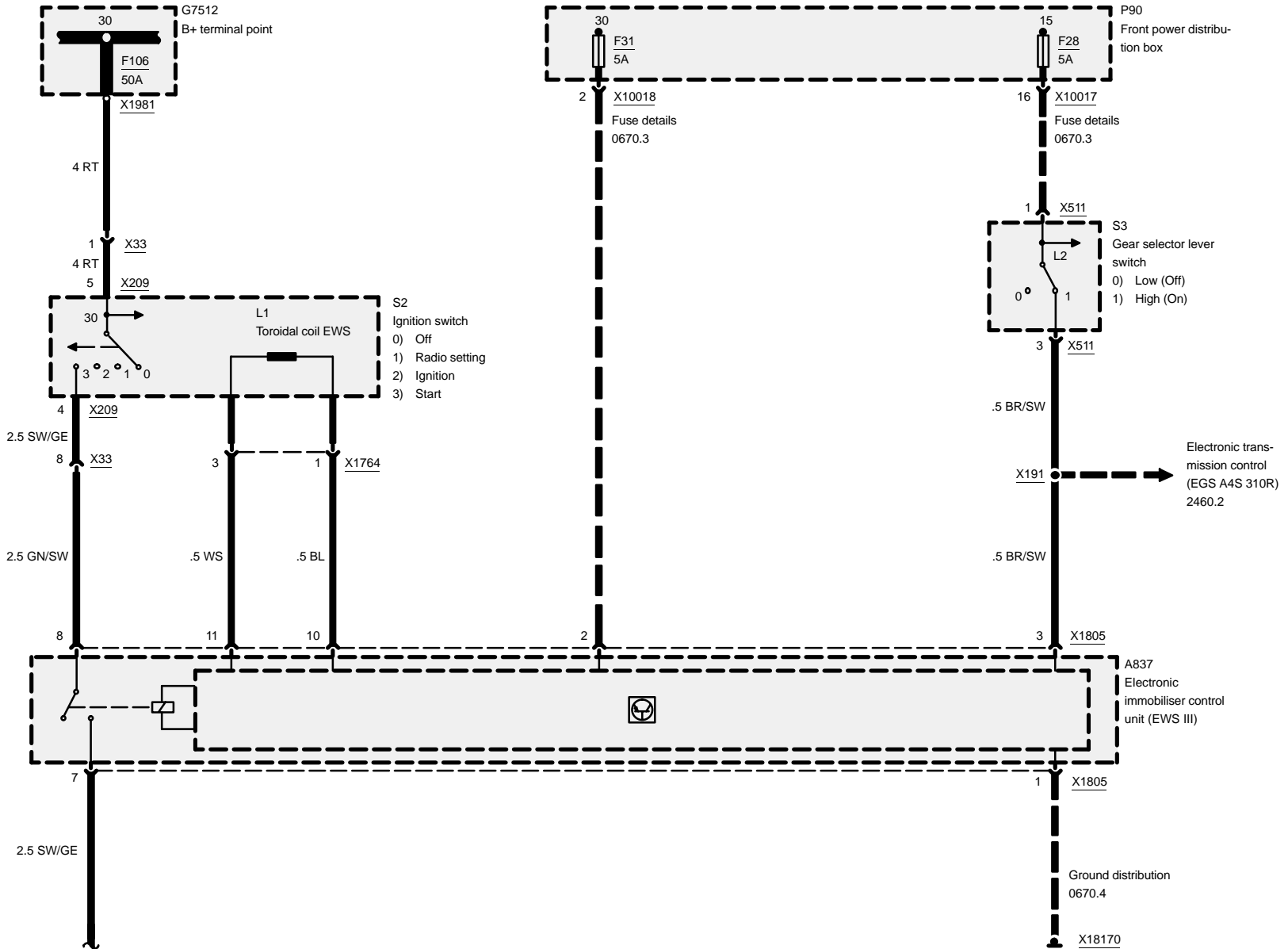


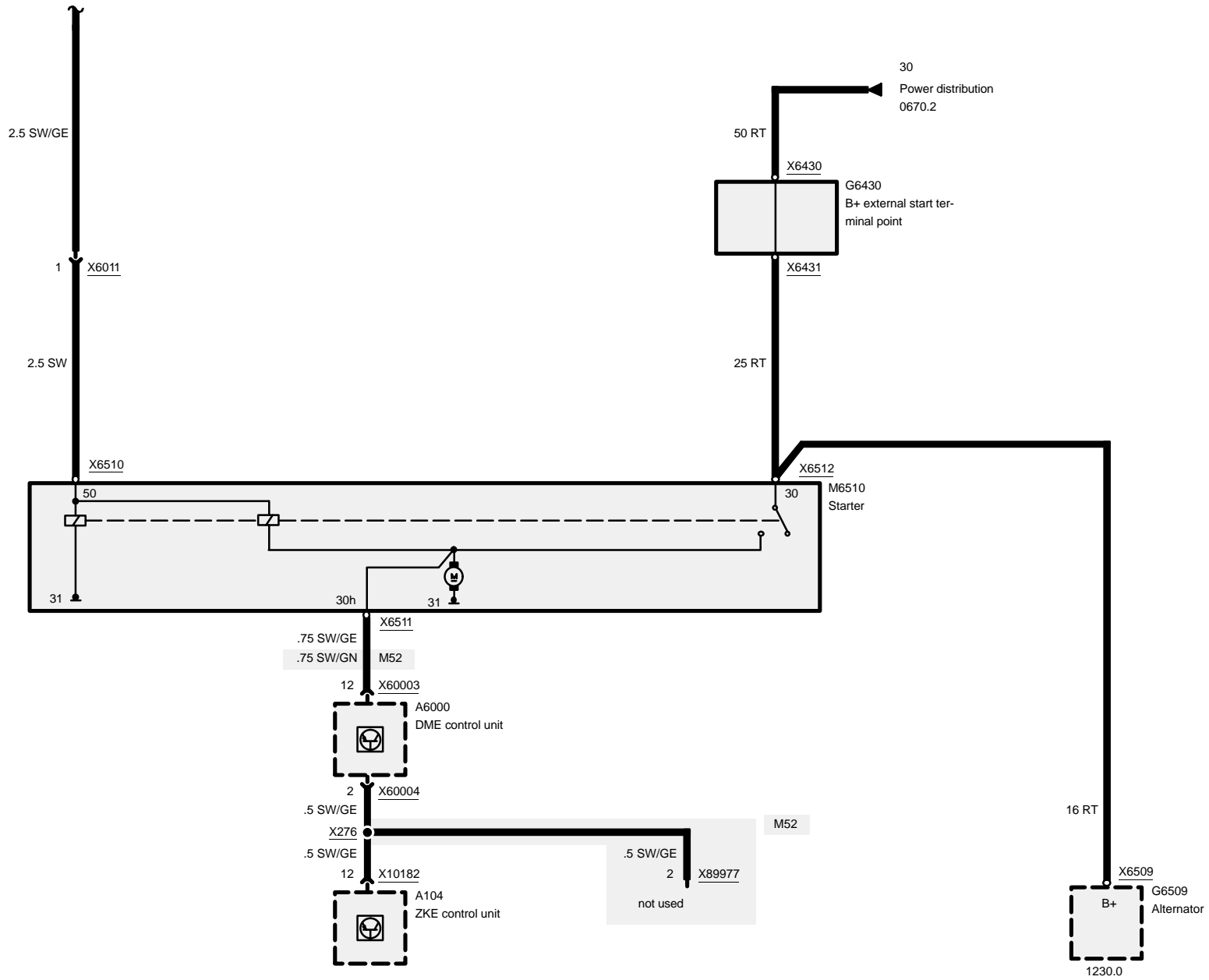


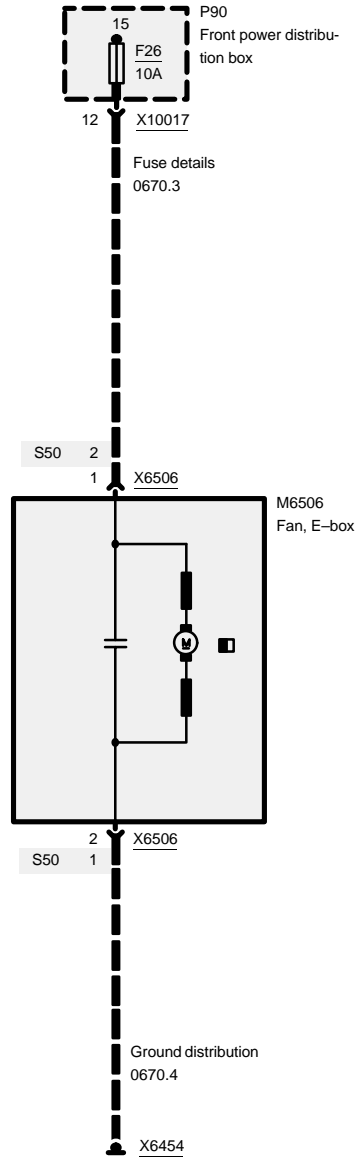
Z3

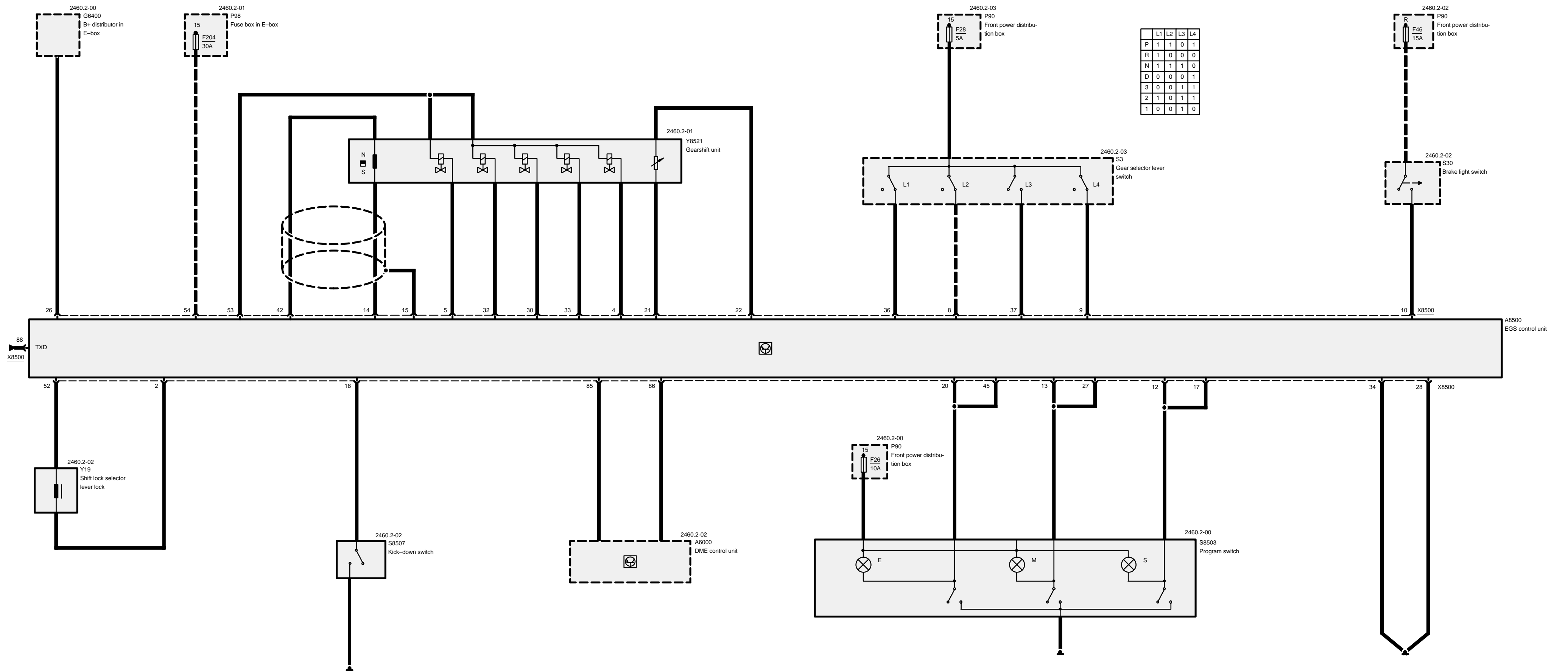
Starter

M43, M52 Right-hand drive



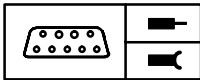






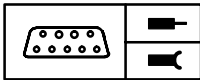


Z3

**Pin assignments****X8500**

Pin	Type	Description/Function	Connection
1		Not used	
2	A	Solenoid, P/N shift-lock	Selector lever lock
3		Not used	
4	A	Solenoid valve 3	Gearshift unit
5	A	Pressure regulator –	Gearshift unit
6		Not used	
7		Not used	
8	E	Position switch L2	Selector lever switch
9	E	Position switch L4	Selector lever switch
10	E	Brake signal	Brake light switch
11		Not used	
12	E	S-program	Program switch
13	E	M-program	Program switch
14	M	Ground n-ab	Gearshift unit
15	M	Shield, speed sensor	Shield
16		Not used	
17	A	S-program	Program switch
18	E	Kick-down	Kick-down switch
19		Not used	
20	E	E-program	Program switch
21	M	Oil temperature sensor –	Gearshift unit
22	E	Oil temperature sensor +	Gearshift unit
23		Not used	
24		Not used	
25		Not used	
26	E	B+ voltage	B+ distributor in E-box
27	A	M-program	Program switch
28	M	Ground	Ground connection
29		Not used	
30	A	Solenoid valve 1	Gearshift unit
31		Not used	
32	A	Solenoid valve, converter lockup clutch	Gearshift unit
33	A	Solenoid valve 2	Gearshift unit

E = Input, A = Output, M = Ground

Z3


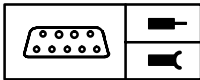
Pin assignments

Pin	Type	Description/Function	Connection
34	M	Ground	Ground connection
35		Not used	
36	E	Position switch L1	Selector lever switch
37	E	Position switch L3	Selector lever switch
38		Not used	
39		Not used	
40		Not used	
41		Not used	
42	A	Component supply n-ab	Gearshift unit
43		Not used	
44		Not used	
45	A	E-program	Program switch
46		Not used	
47		Not used	
48		Not used	
49		Not used	
50		Not used	
51		Not used	
52	A	Solenoid, P/N shift-lock	Selector lever lock
53	A	Solenoid valves +	Gearshift unit
54	E	B+ voltage	Fuse in E-box, F204
55		Not used	
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	
61		Not used	
62		Not used	
63		Not used	
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	

E = Input, A = Output, M = Ground



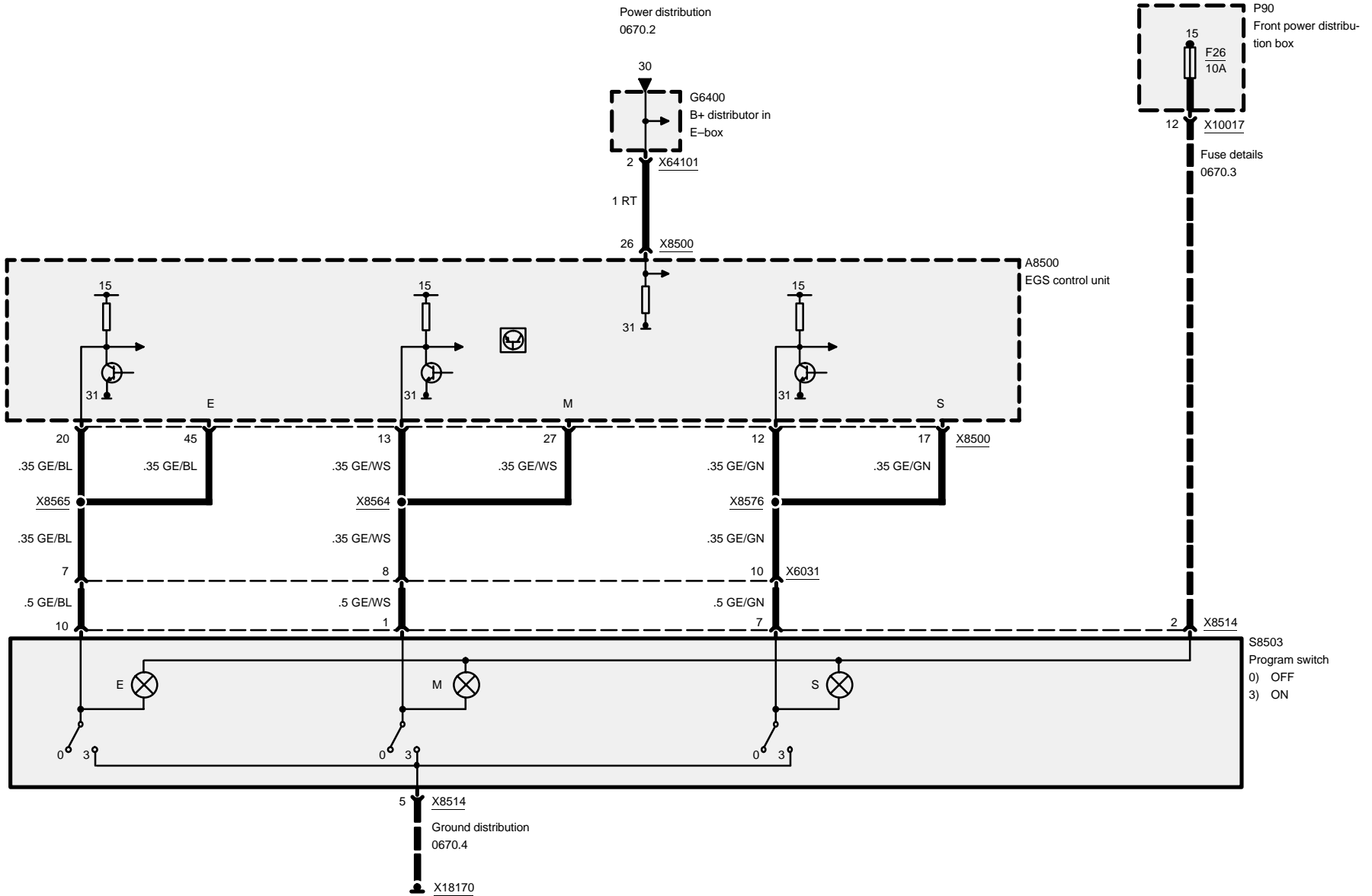
Z3



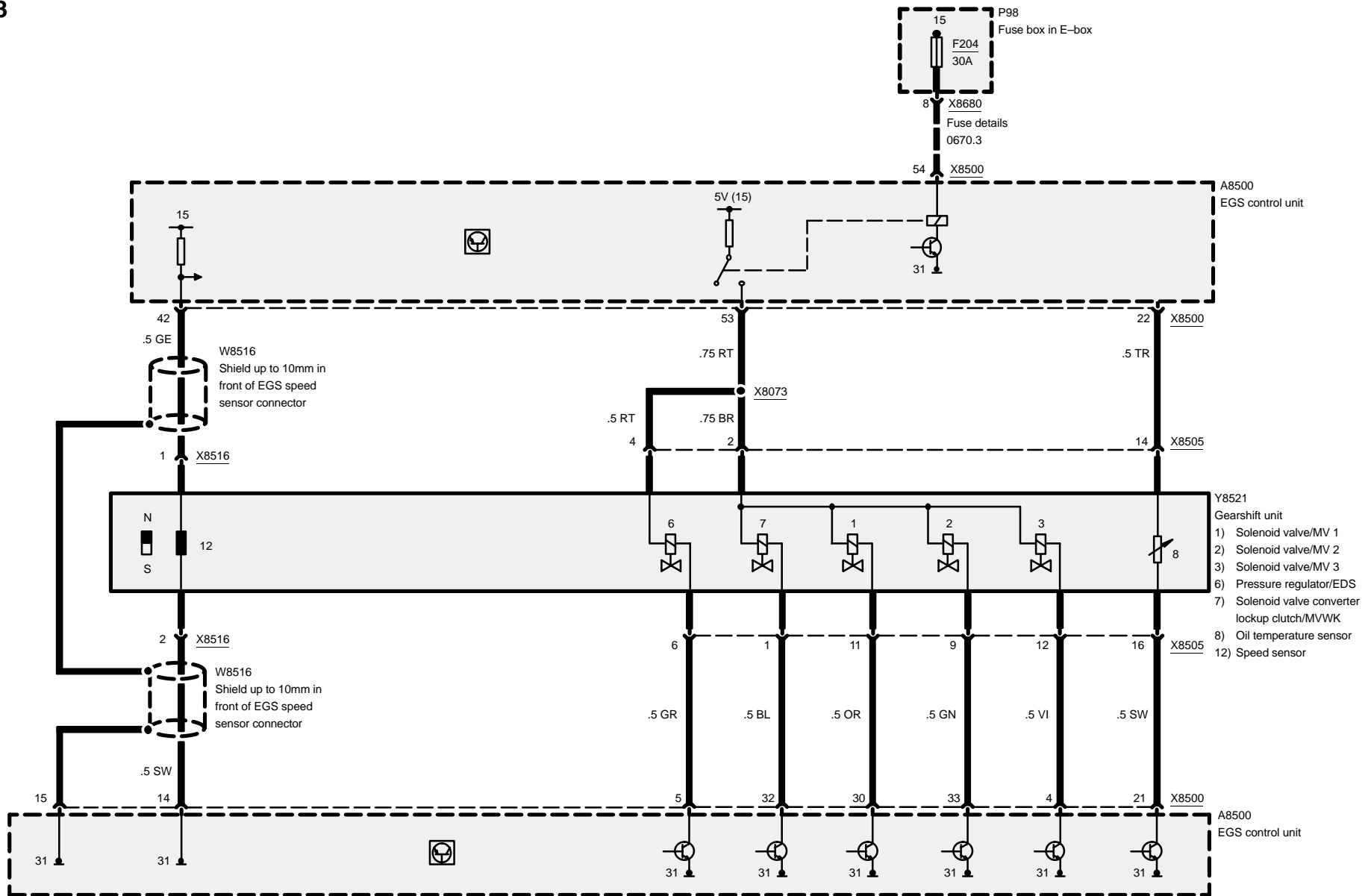
Pin assignments

Pin	Type	Description/Function	Connection
69		Not used	
70		Not used	
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	E/A	CAN-LOW	DME control unit
86	E/A	CAN-HIGH	DME control unit
87		Not used	
88	E/A	TxD diagnostic link	DME control unit

Electronic transmission control (EGS A4S 310R)



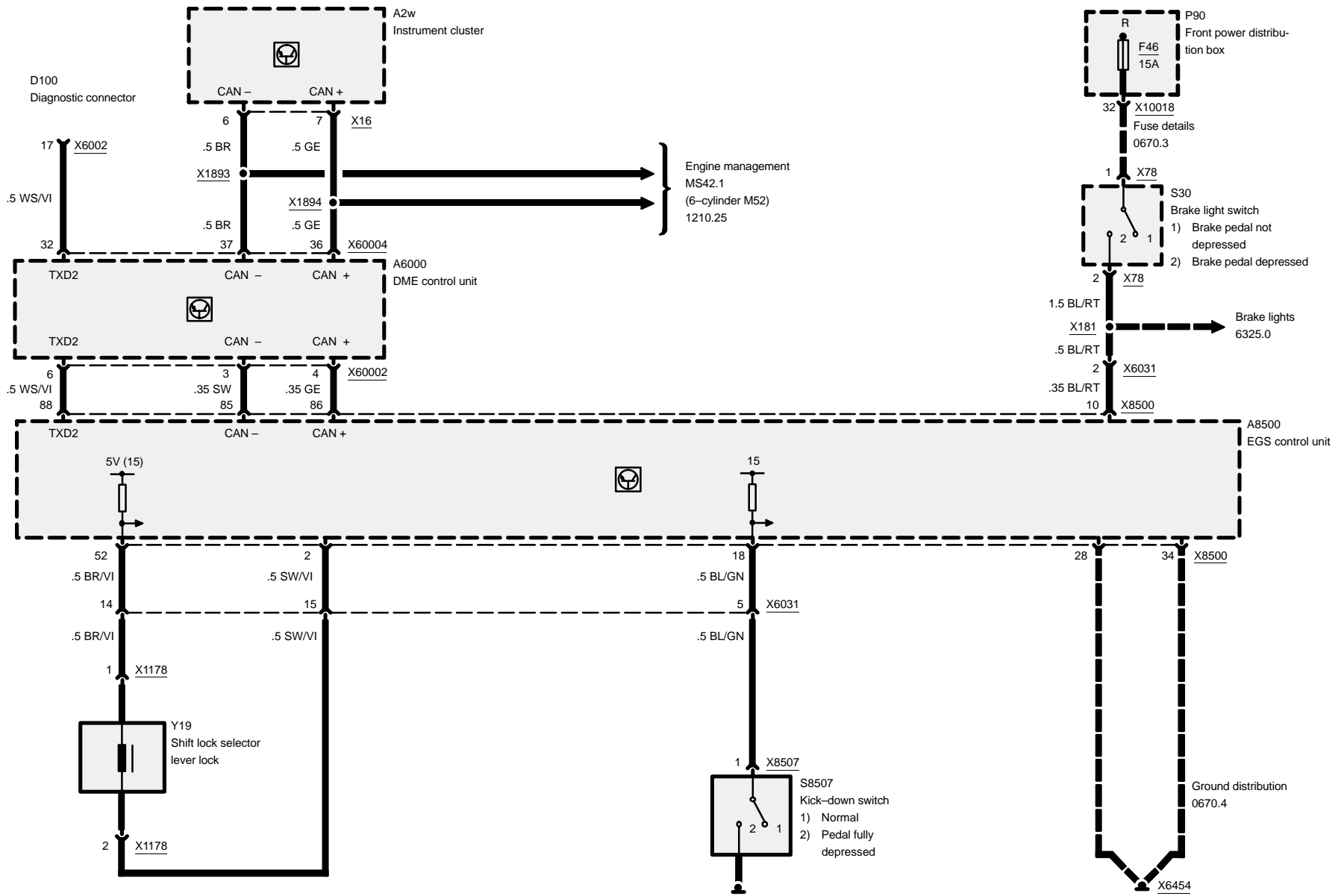
Electronic transmission control (EGS A4S 310R)





Z3

Electronic transmission control (EGS A4S 310R)

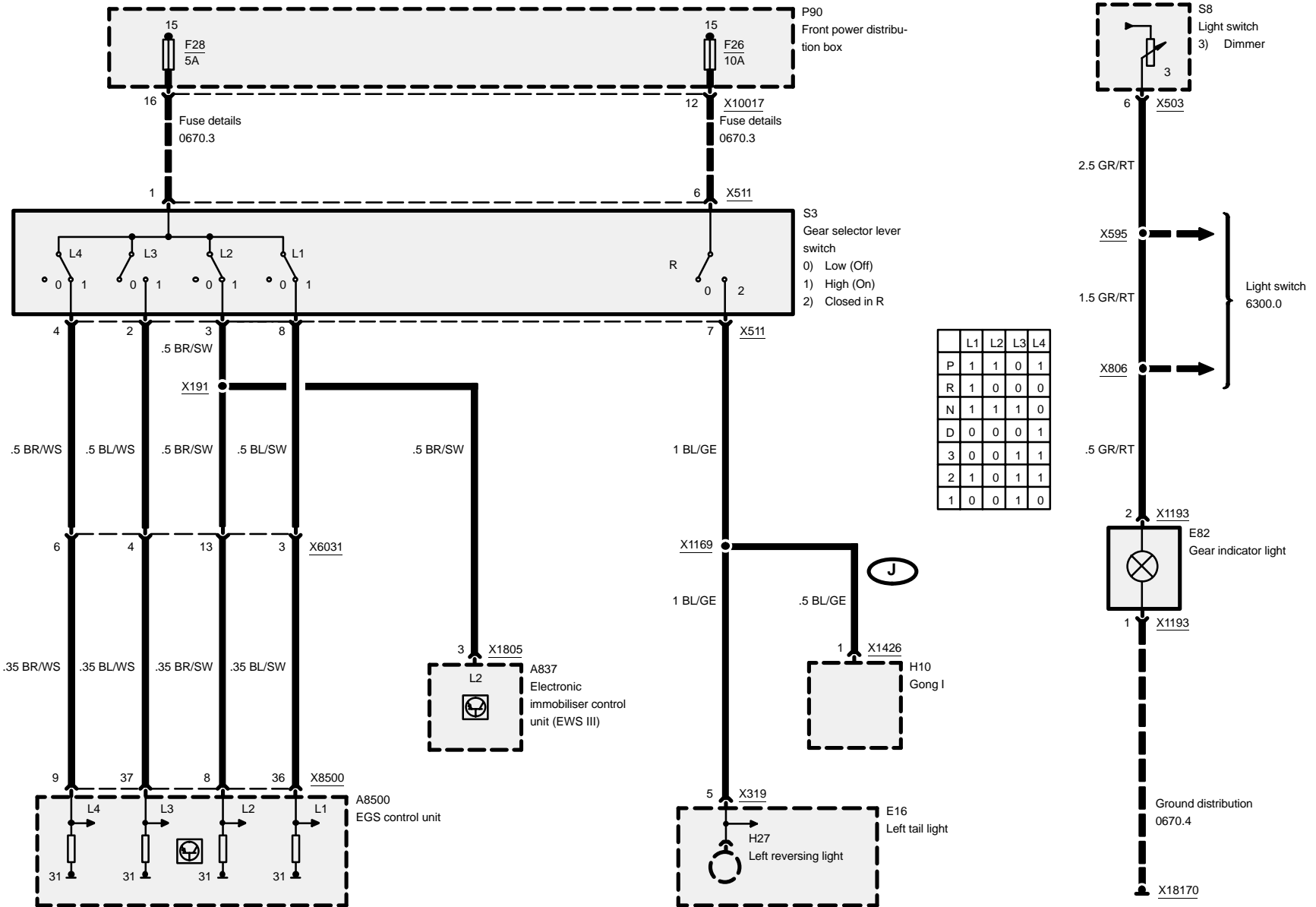


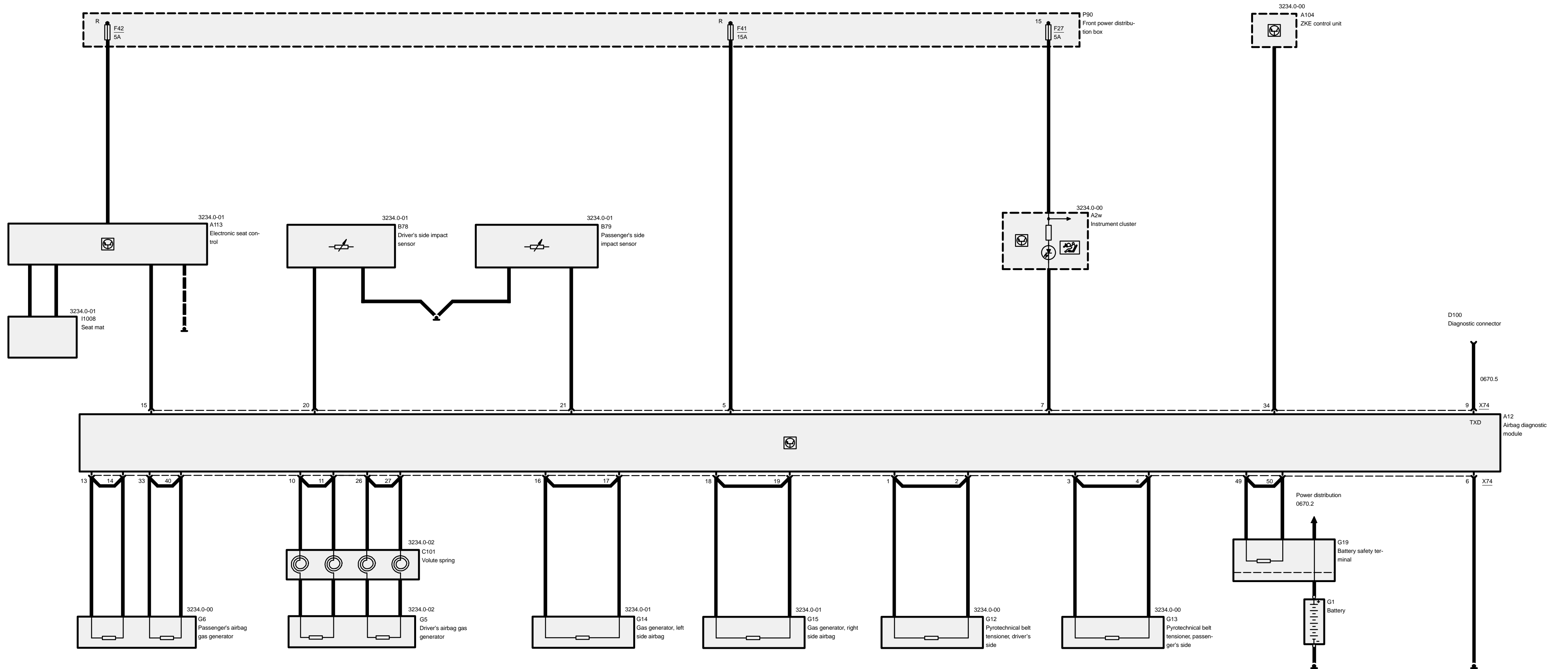


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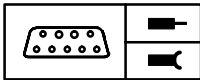
Electronic transmission control (EGS A4S 310R)

Right-hand drive





Z3



Pin assignments

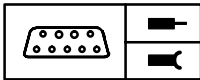
X74

Pin	Type	Description/Function	Connection
1	A	Pyrotechnical belt tensioner (+)	Pyrotechnical belt tensioner, driver's side
2	A	Pyrotechnical belt tensioner (-)	Pyrotechnical belt tensioner, driver's side
3	A	Pyrotechnical belt tensioner (+)	Pyrotechnical belt tensioner, front passenger's side
4	A	Pyrotechnical belt tensioner (-)	Pyrotechnical belt tensioner, front passenger's side
5	E	Supply voltage	Power distribution box, fuse 41
6	M	Ground	Ground connection
7	A	Airbag warning lamp	Instrument cluster
8		Not used	
9	E/A	TxD diagnostic link	Diagnostic connector
10	A	Airbag (+)	Inflator assembly, driver's airbag
11	A	Airbag (-)	Inflator assembly, driver's airbag
12		Not used	
13	A	Airbag (+)	Airbag inflator assembly, front passenger's side
14	A	Airbag (-)	Airbag inflator assembly, front passenger's side
15	E	Seat occupancy electronics	Seat occupancy electronics
16	A	Inflator assembly	Inflator assembly, left side airbag
17	A	Inflator assembly	Inflator assembly, left side airbag
18	A	Inflator assembly	Inflator assembly, right side airbag
19	A	Inflator assembly	Inflator assembly, right side airbag
20	E	Impact sensor	Impact sensor, driver's side
21	E	Impact sensor	Impact sensor, front passenger's side
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26	A	Airbag II (+)	Airbag inflator assembly, front passenger's side
27	A	Airbag II (-)	Airbag inflator assembly, front passenger's side
28		Not used	

E = Input, A = Output, M = Ground



Z3



Pin assignments

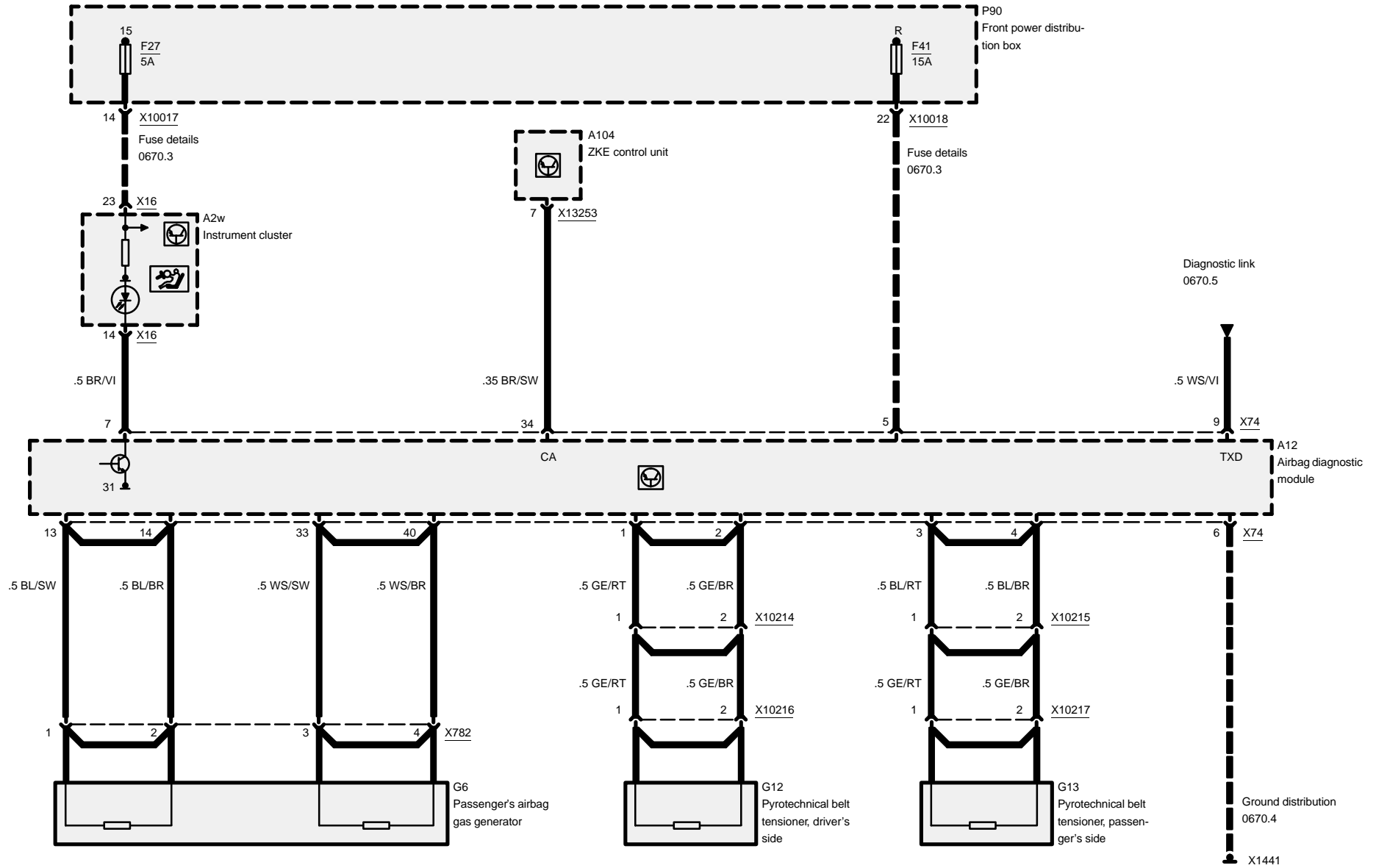
Pin	Type	Description/Function	Connection
29		Not used	
30		Not used	
31		Not used	
32		Not used	
33	A	Airbag II (+)	Inflator assembly, driver's airbag
34	A	Crash signal	ZKE control unit
35		Not used	
36		Not used	
37		Not used	
38		Not used	
39		Not used	
40	A	Airbag II (-)	Inflator assembly, driver's airbag
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	A	Battery safety terminal (+)	Battery safety terminal
50	A	Battery safety terminal (-)	Battery safety terminal



Airbag (AB)

With pyrotechnical belt tensioner

Z3

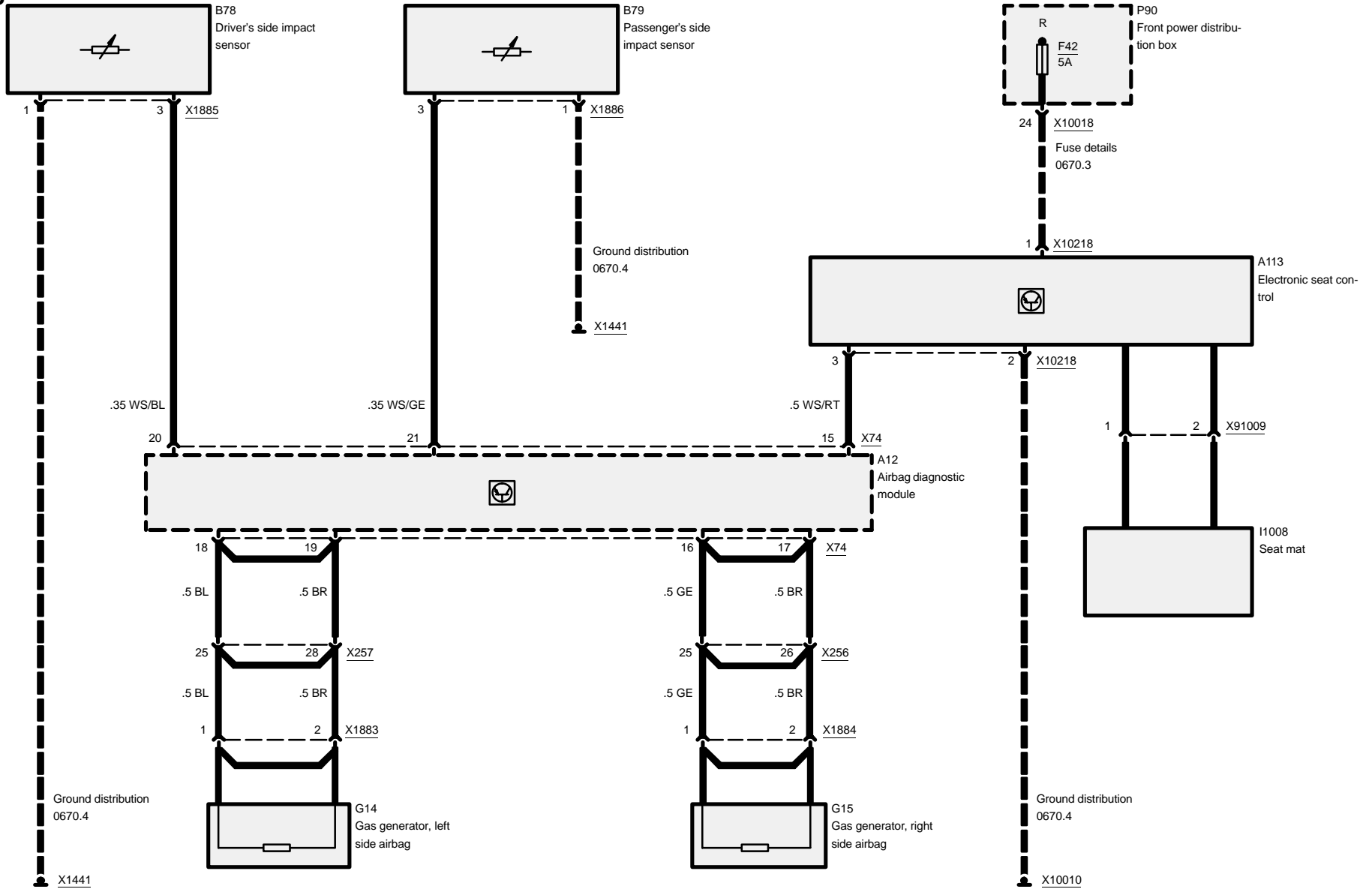


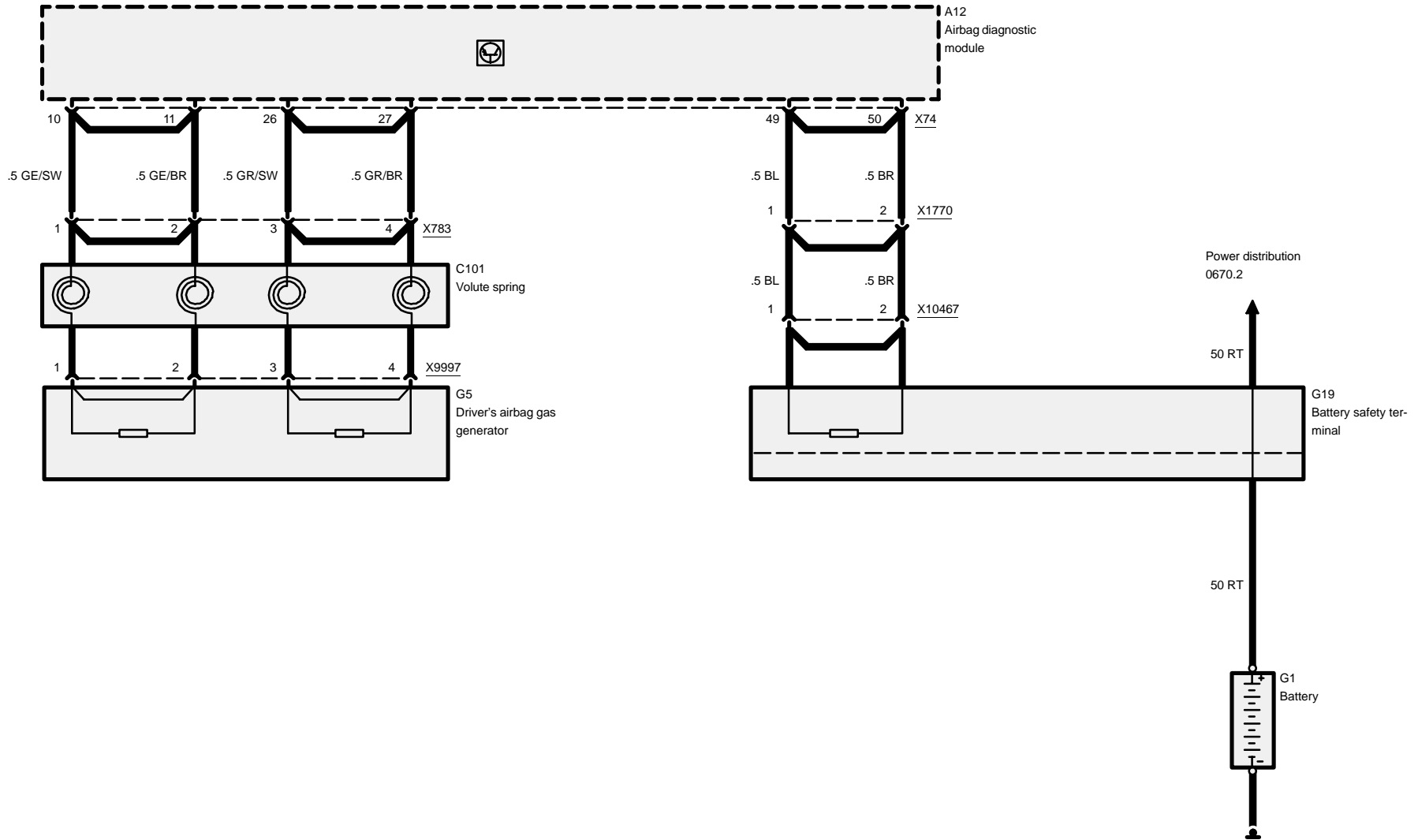


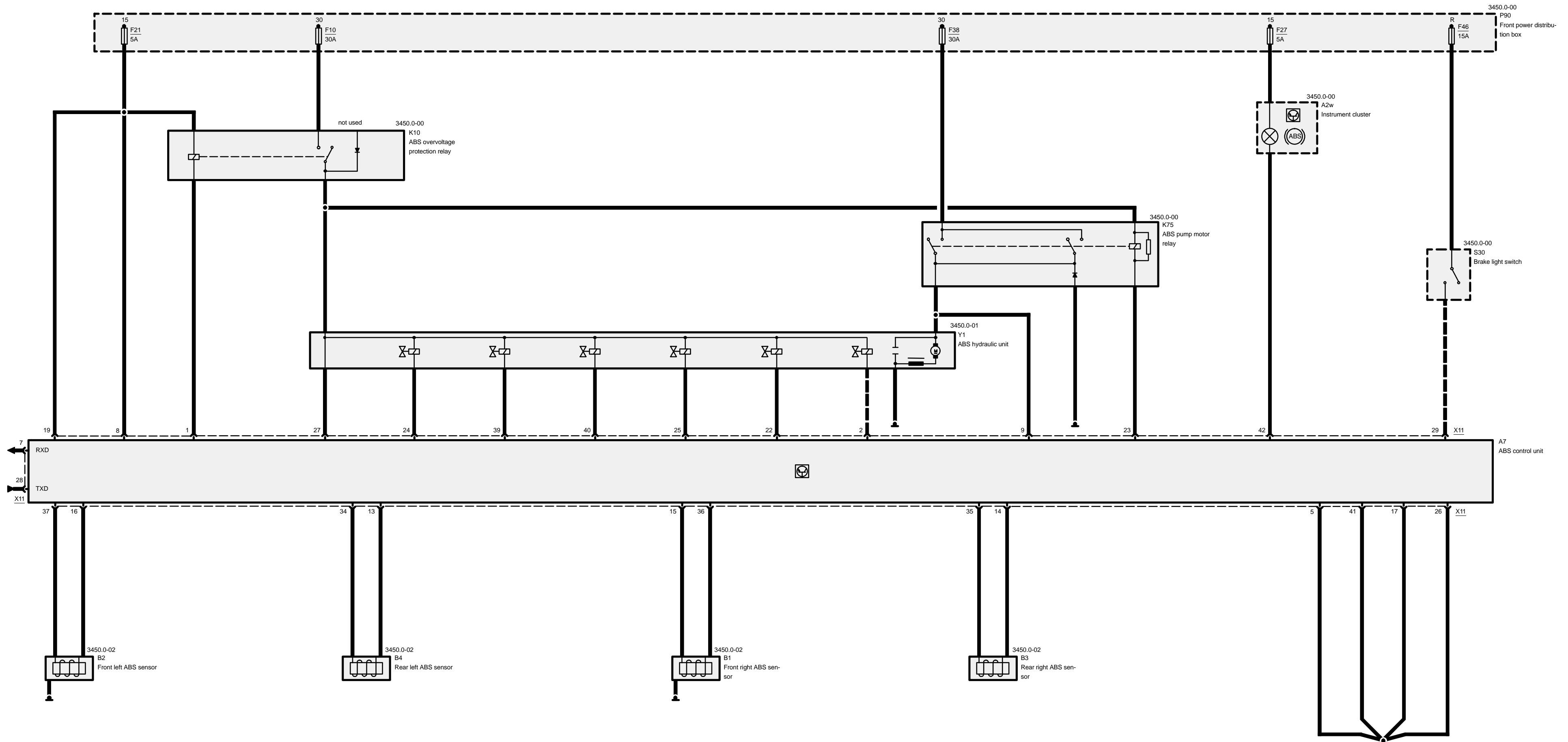
Airbag (AB)

Right-hand drive

Z3

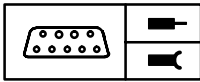








Z3

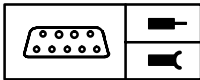
**Pin assignments****X11**

Pin	Type	Description/Function	Connection
1	A	Relay activation	ABS overvoltage protection relay
2	A	Inlet valve drive, front left	ABS hydraulic unit
3		Not used	
4		Not used	
5	M	Component ground	Ground connection
6		Not used	
7	A	RxD diagnostic link	Diagnostic connector
8	E	Terminal 15	Fuse 21
9	E	Operating voltage	ABS pump motor relay
10		Not used	
11		Not used	
12		Not used	
13	A	Speed sensor ground, rear left	Speed sensor, rear left
14	A	Speed sensor ground, rear right	Speed sensor, rear right
15	E	Signal, speed sensor, front right	Speed sensor, front right
16	A	Speed sensor ground, front left	Speed sensor, front left
17	M	Component ground	Ground connection
18		Not used	
19	E	Terminal 15	Fuse 21
20		Not used	
21		Not used	
22	A	Inlet valve drive, front right	ABS hydraulic unit
23	A	Activation, pump relay	ABS pump motor relay
24	A	Activation, intake valve, rear axle	ABS hydraulic unit
25	A	Outlet valve drive, FL	ABS hydraulic unit
26	M	Component ground	Ground connection
27	E	Voltage monitor	ABS hydraulic unit
28	E/A	TxD diagnostic link	Diagnostic connector
29	E	Terminal 54	Brake light switch
30		Not used	
31		Not used	
32		Not used	
33		Not used	

E = Input, A = Output, M = Ground



Z3



Pin assignments

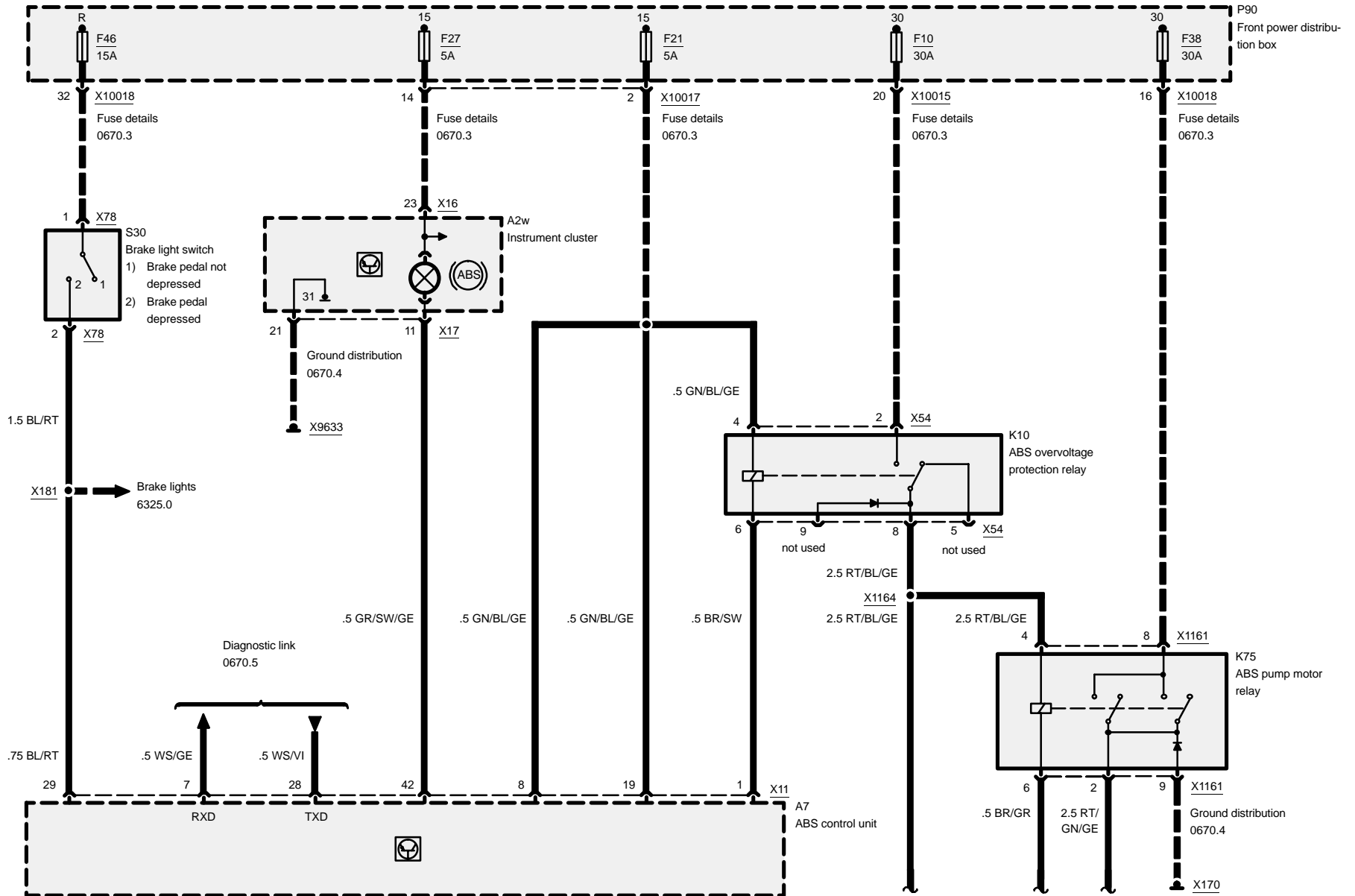
Pin	Type	Description/Function	Connection
34	E	Signal, speed sensor, rear left	Speed sensor, rear left
35	E	Signal, speed sensor, rear right	Speed sensor, rear right
36	A	Speed sensor ground, front right	Speed sensor, front right
37	E	Signal, speed sensor, front left	Speed sensor, front left
38		Not used	
39	A	Activation, rear outlet valve	ABS hydraulic unit
40	A	Inlet valve drive, front right	ABS hydraulic unit
41	M	Component ground	Ground connection
42	A	Activation, ABS warning lamp	Instrument cluster

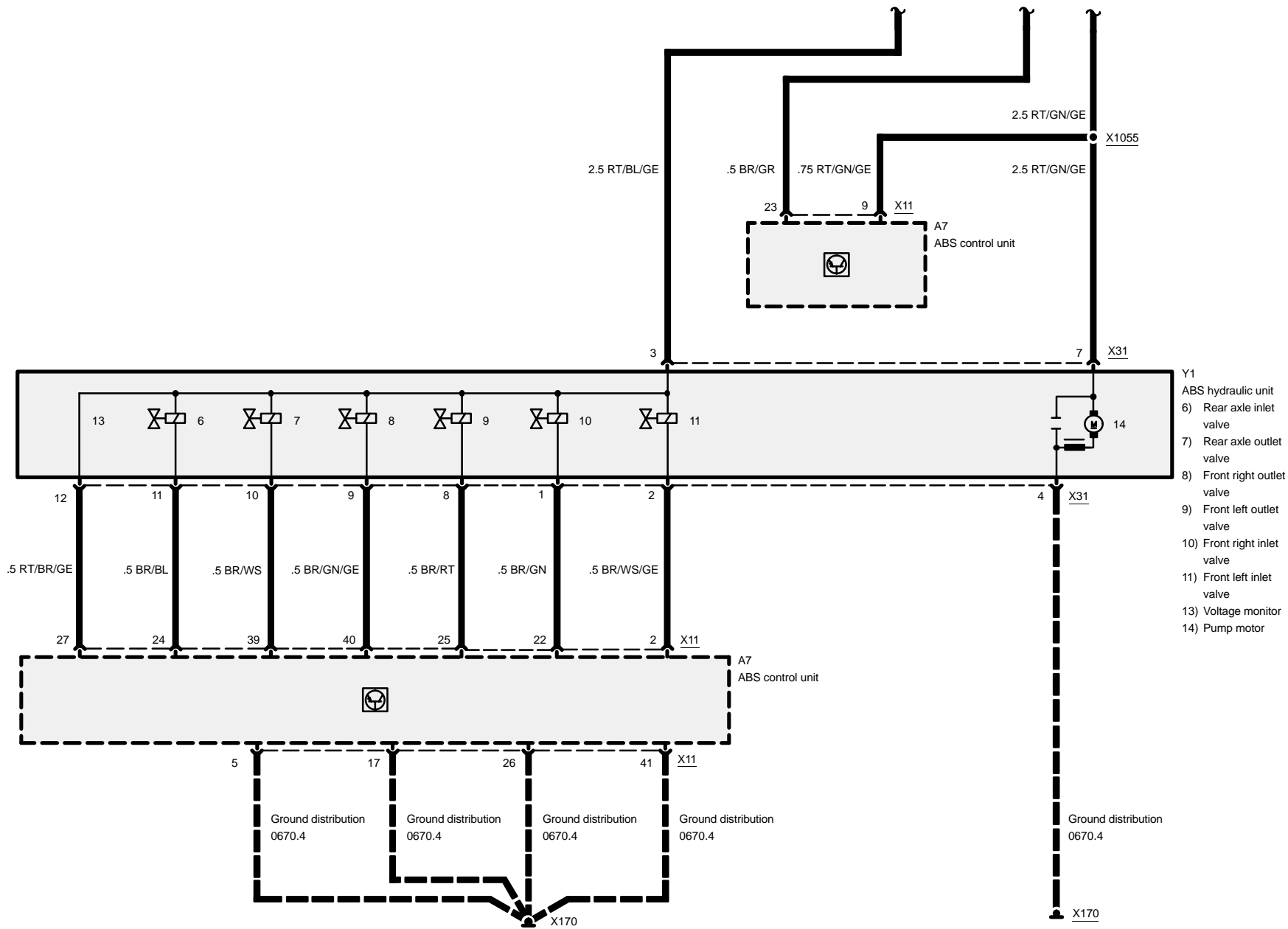
E = Input, A = Output, M = Ground



Antilock brake system (ABS)

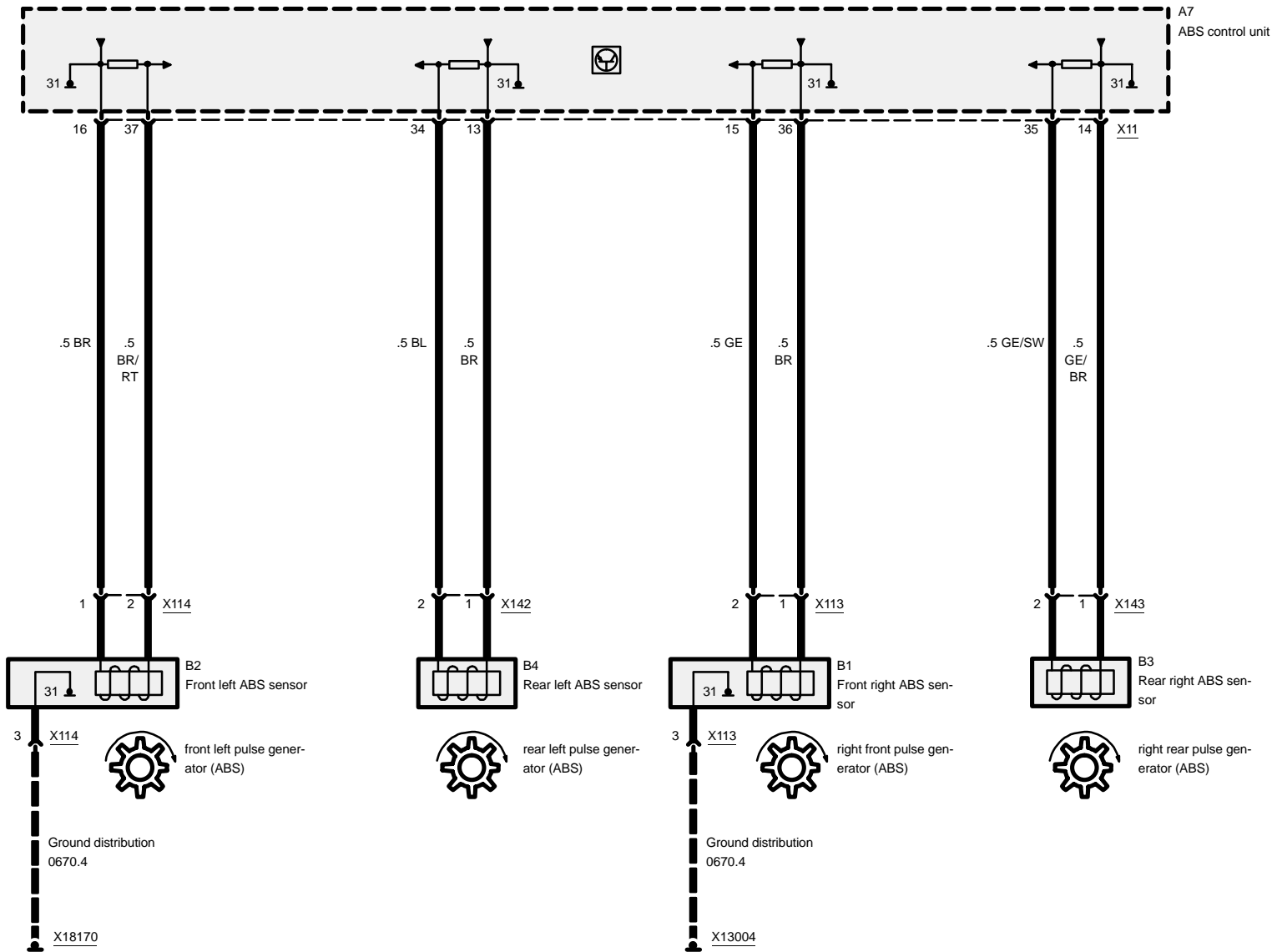
Z3

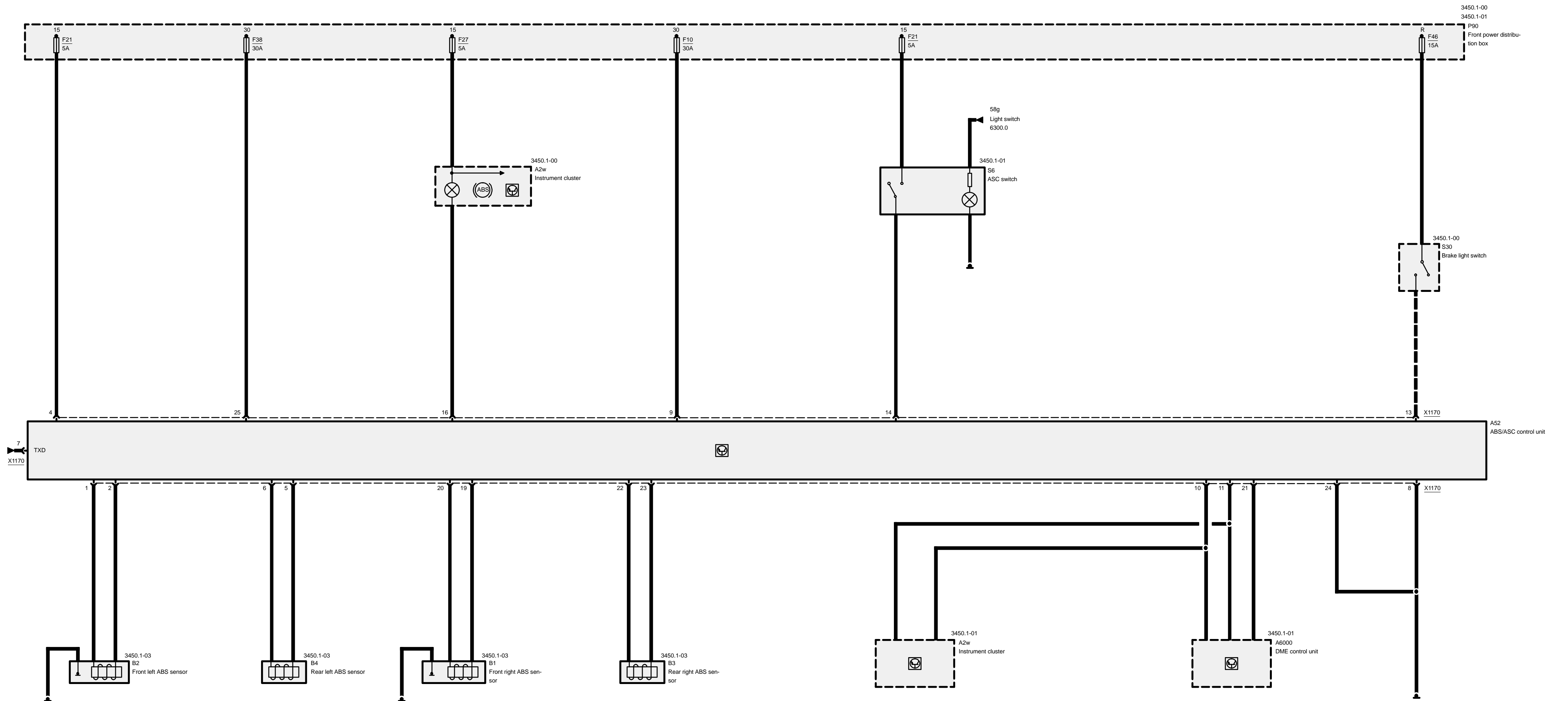




- Y1 ABS hydraulic unit
- 6) Rear axle inlet valve
- 7) Rear axle outlet valve
- 8) Front right outlet valve
- 9) Front left outlet valve
- 10) Front right inlet valve
- 11) Front left inlet valve
- 13) Voltage monitor
- 14) Pump motor

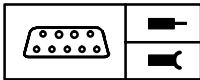
Antilock brake system (ABS)







Z3



Pin assignments

X1170

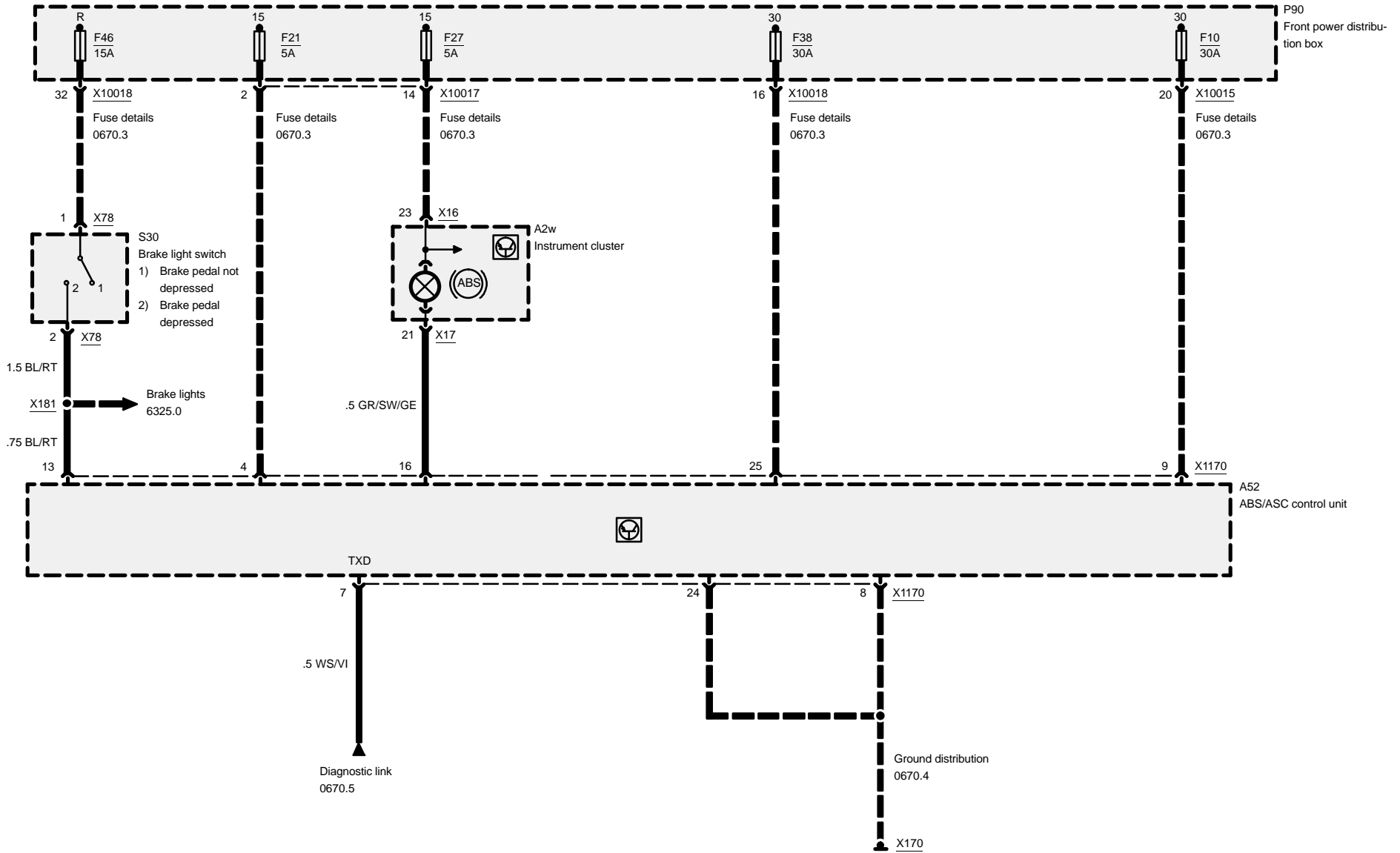
Pin	Type	Signal	Description/Function	Connection
1	M	VL-	Ground	ABS sensor, front left
2	E	VL+	Engine speed signal	ABS sensor, front left
3			Not used	
4	E	15A21	Terminal 15	Fuse 21
5	M	HL-	Ground	ABS sensor, rear left
6	E	HL+	Engine speed signal	ABS sensor, rear left
7	E/A	TXD	TxD diagnostic link	Diagnostic connector
8	M	31L	Ground	Ground connector
9	E	30<10	Positive power supply	Fuse 10
10	E/A	CAN-	CAN-bus Low	Instrument cluster, DME control unit
11	E/A	CAN+	CAN-bus High	Instrument cluster, DME control unit
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	ABS indicator lamp	Instrument cluster
17			Not used	
18			Not used	
19	M	VR-	Ground	ABS sensor, front right
20	E	VR+	Engine speed signal	ABS sensor, front right
21	A	DFAHR	Wheel speed signal, rear right	DME control unit
22	E	HR+	Engine speed signal	ABS sensor, rear right
23	M	HR-	Ground	ABS sensor, rear right
24	M	31L	Ground	Ground connector
25	E	30<38	Positive power supply	Fuse 38

E = Input, A = Output, M = Ground



Automatic stability control (ASC)

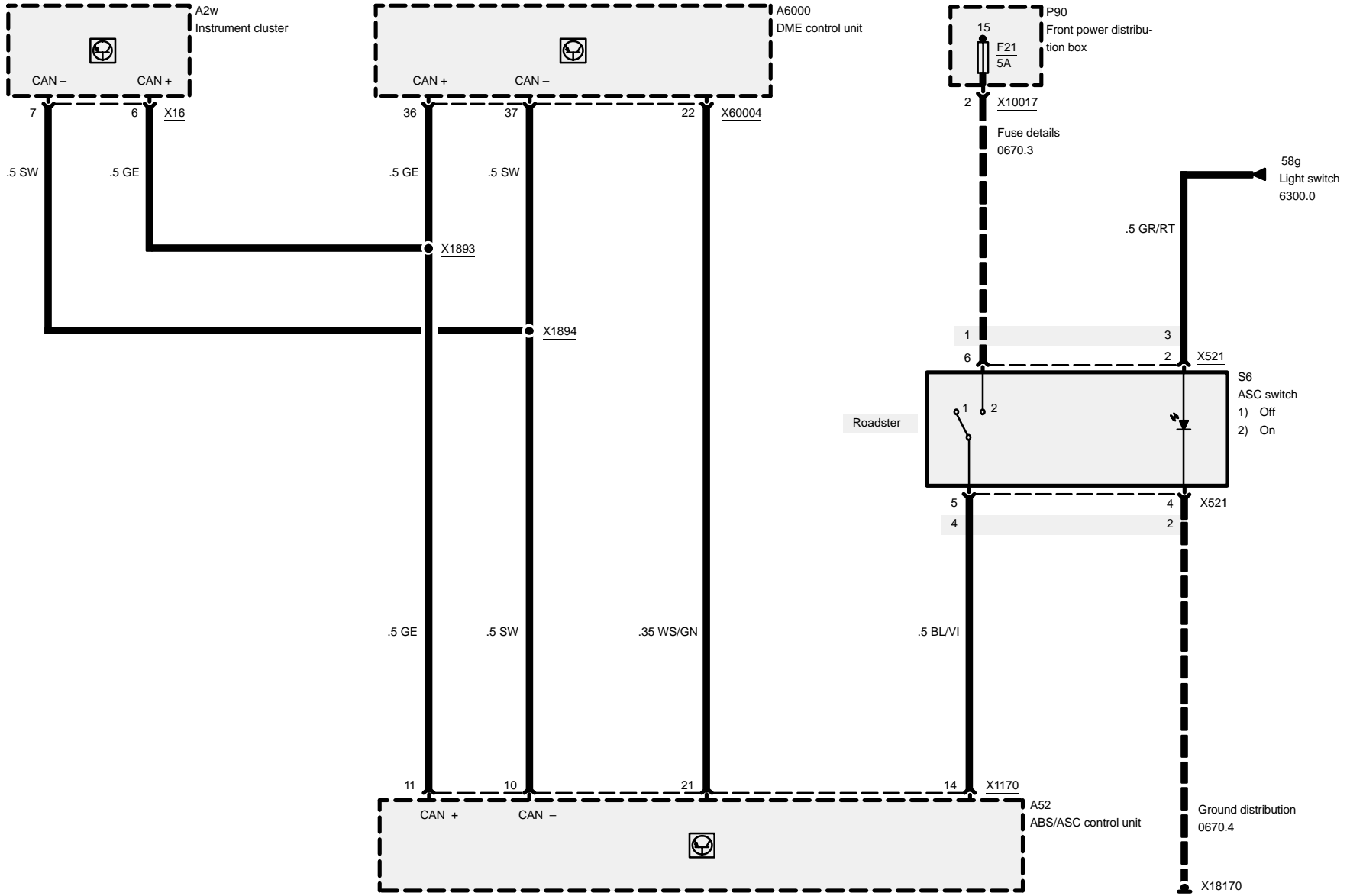
Z3



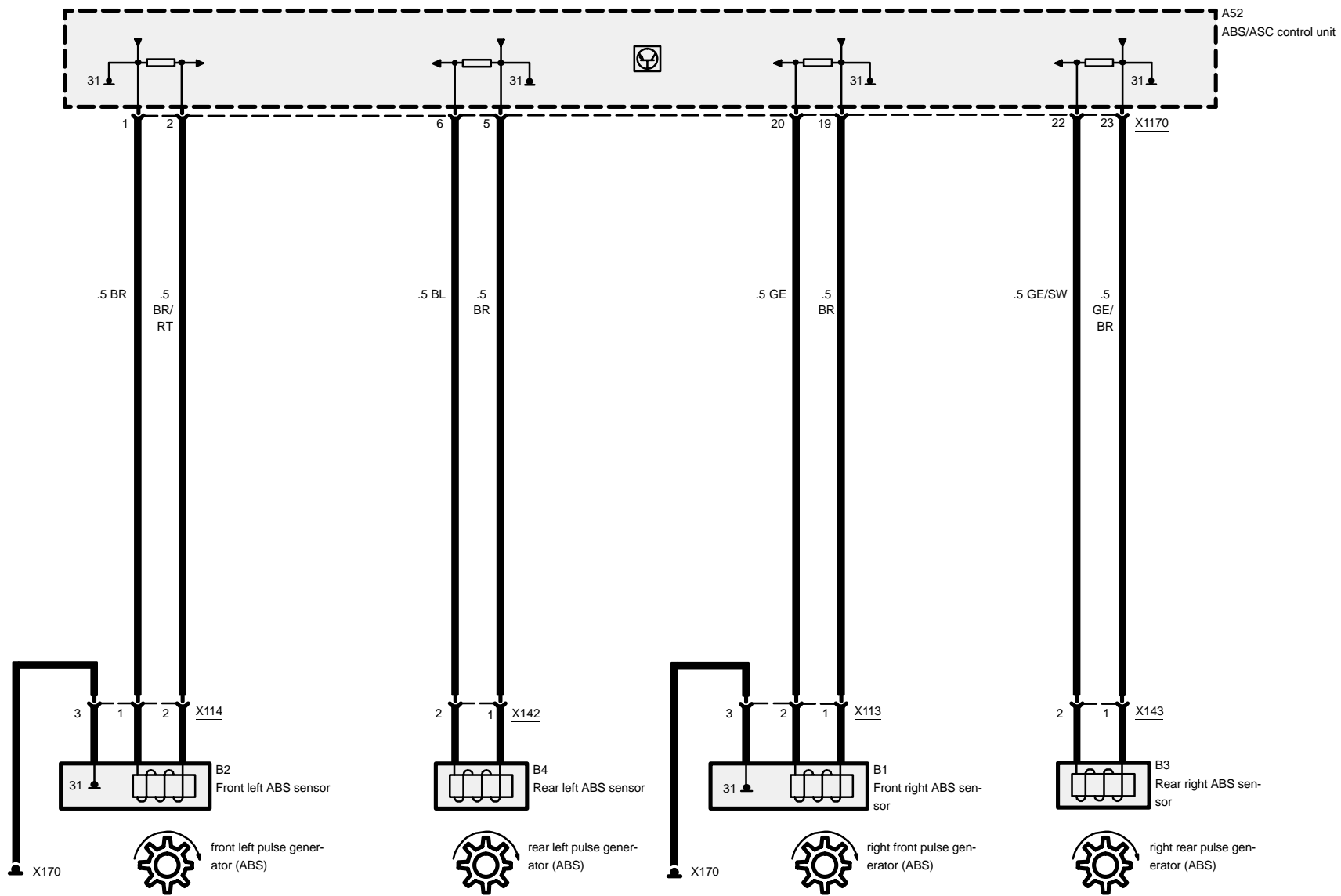


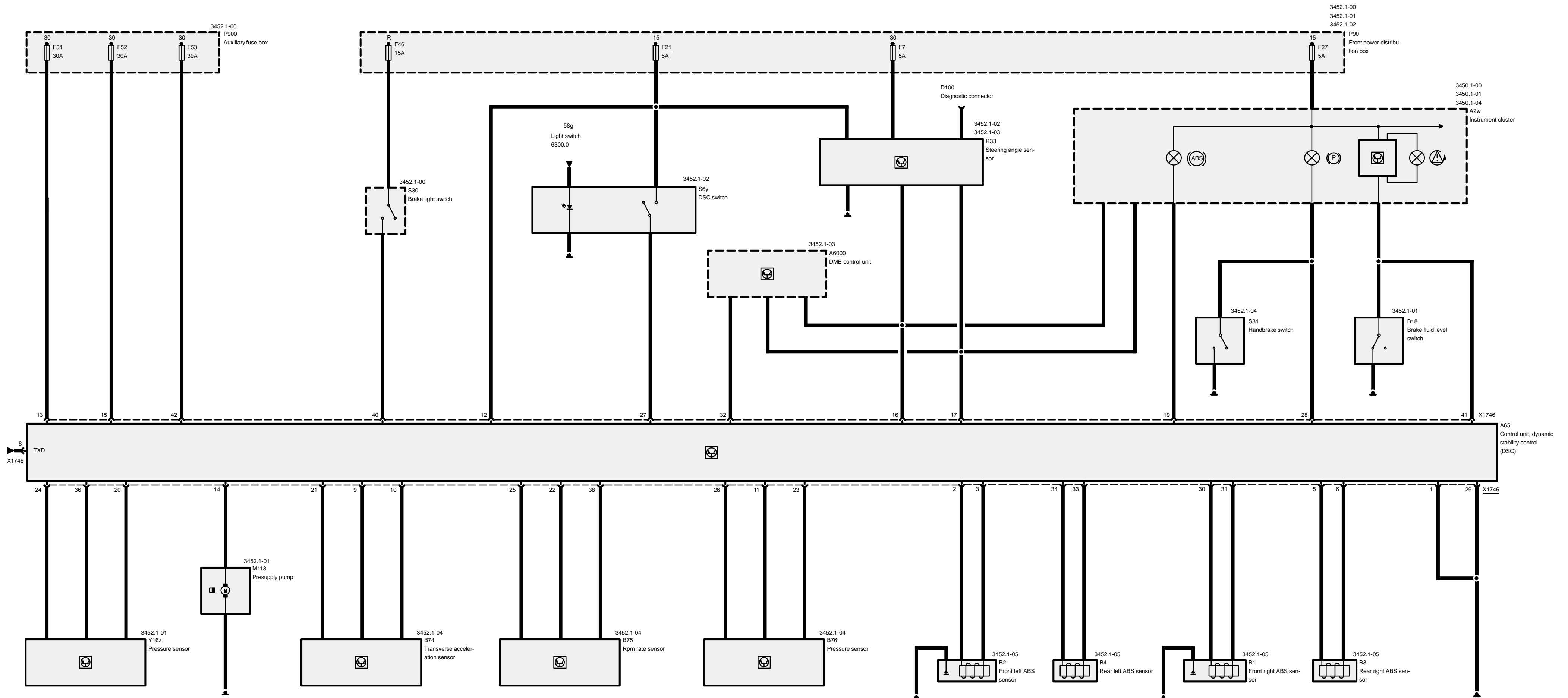
Automatic stability control (ASC)

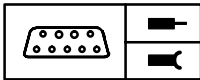
Z3



Automatic stability control (ASC)







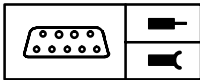
Pin assignments

X1746

Pin	Type	Signal	Description/Function	Connection
1	M	GND	Ground	Ground connector
2	M	FL0	Ground	ABS sensor, front left
3	E	FL1	Engine speed signal	ABS sensor, front left
4			Not used	
5	M	RR0	Ground	ABS sensor, rear right
6	E	RR1	Engine speed signal	ABS sensor, rear right
7			Not used	
8	E/A	DIAG_K	TxD diagnostic link	Diagnostic connector
9	E	A_LAT	Signal, transverse acceleration sensor	Transverse acceleration sensor
10	M	GND_LAT	Ground	Transverse acceleration sensor
11	A	P_DRIV1	Voltage supply	Pressure sensor
12	E	15A21	Terminal 15	Fuse 21
13			Not used	
14	A	VLP+	Activation, presupply pump	Presupply pump
15	E	30A52	Terminal 30	Fuse 52
16	E/A	CAN_L	CAN-bus Low	Connector, CAN-bus Low
17	E/A	CAN_H	CAN-bus High	Connector, CAN-bus High
18			Not used	
19	A	WLAS	ABS indicator lamp	Instrument cluster
20	A	SENS_DRI	Signal, pressure sensor	Pressure sensor
21	A	SENSP_LA	Voltage supply	Transverse acceleration sensor
22	A	SENSP_YA	Voltage supply	Gyro
23	E	SENS_DRI	Signal, pressure sensor	Pressure sensor
24	M	GND_DRIV	Ground	Pressure sensor
25	M	GND_YAW	Ground	Gyro
26	M	GND_DRIV	Ground	Pressure sensor
27	E	TCS	Signal, DSC ON	DSC switch
28	E	PBR5	Signal, handbrake	Handbrake switch
29	M	GND	Ground	Ground connector
30	E	FR1	Engine speed signal	ABS sensor, front right
31	M	FR0	Ground	ABS sensor, front right
32	A	DFAHR	Wheel speed signal, rear right	DME control unit

E = Input, A = Output, M = Ground

Z3



Pin assignments

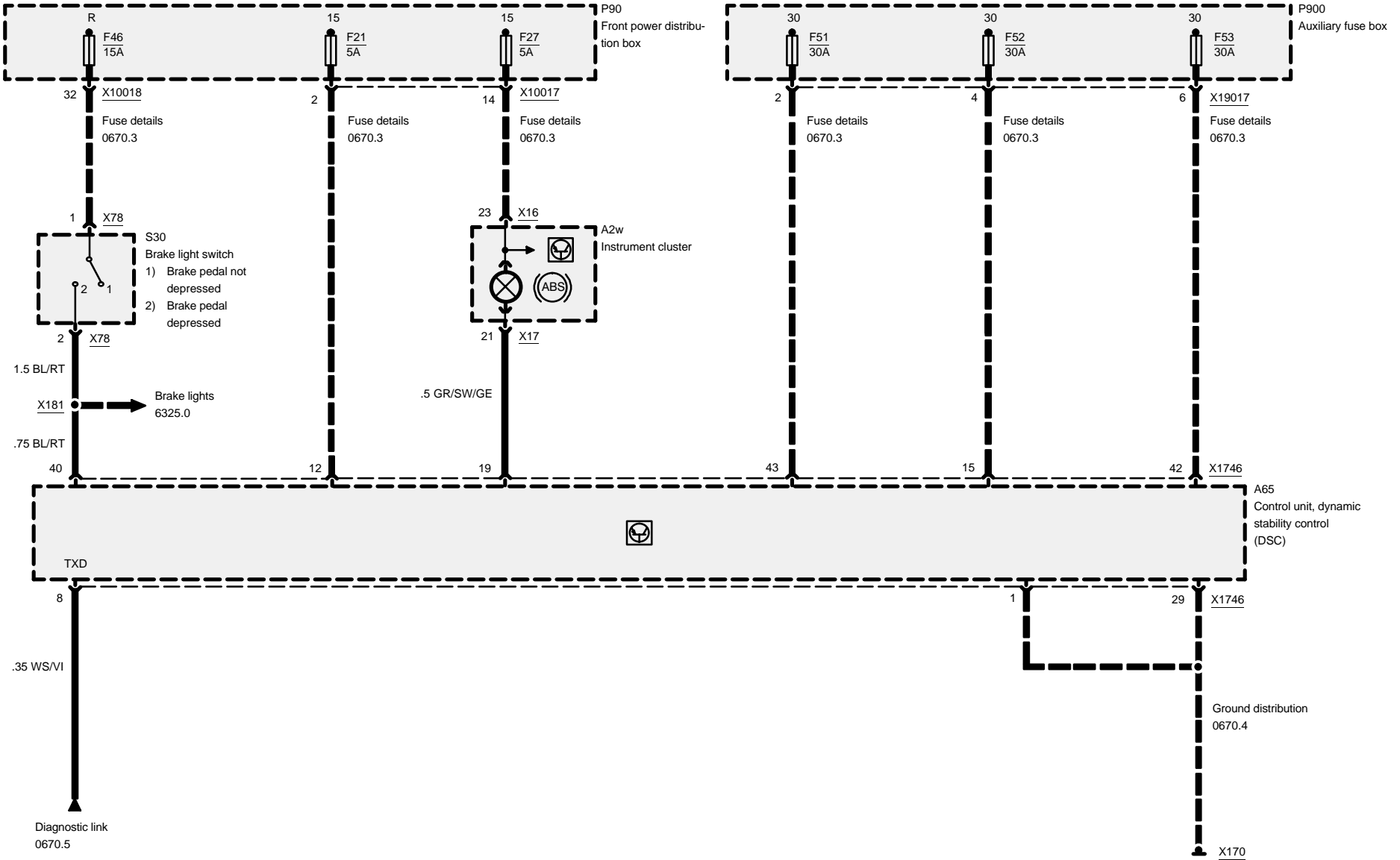
Pin	Type	Signal	Description/Function	Connection
33	E	RL1	Engine speed signal	ABS sensor, rear left
34	M	RL0	Ground	ABS sensor, rear left
35			Not used	
36	A	P_DRIV2	Voltage supply	Pressure sensor
37			Not used	
38	E	YAW_SIG	Signal, gyro	Gyro
39			Not used	
40	E	BLS	Brake signal	Brake light switch
41	E	BRFN	Signal, brake fluid level	Brake fluid level switch
42	E	30A53	Terminal 30	Fuse 53
43	E	30A51	Terminal 30	Fuse 51

E = Input, A = Output, M = Ground

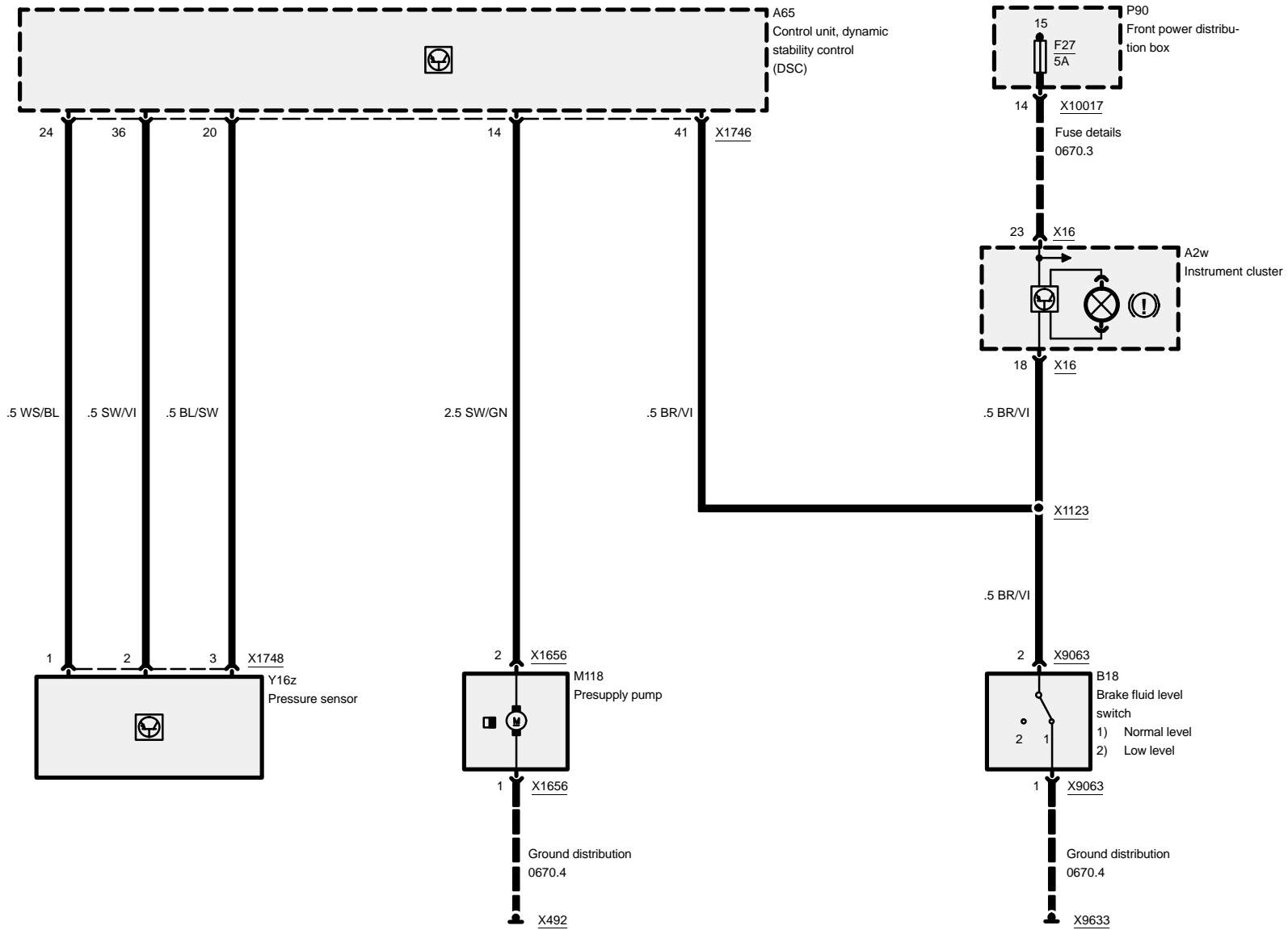


Dynamic stability control (DSC III)

Z3



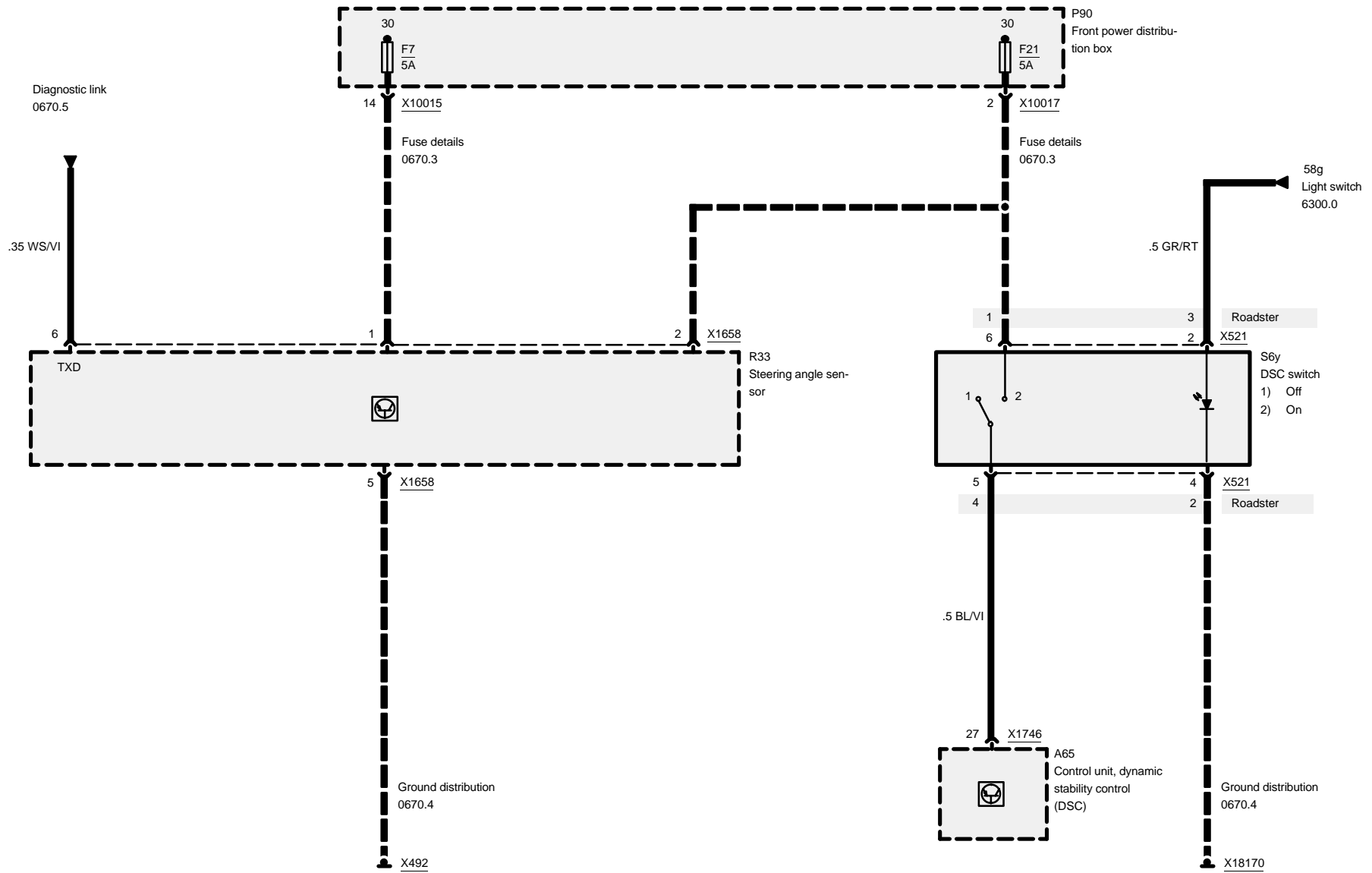
Dynamic stability control (DSC III)





Z3

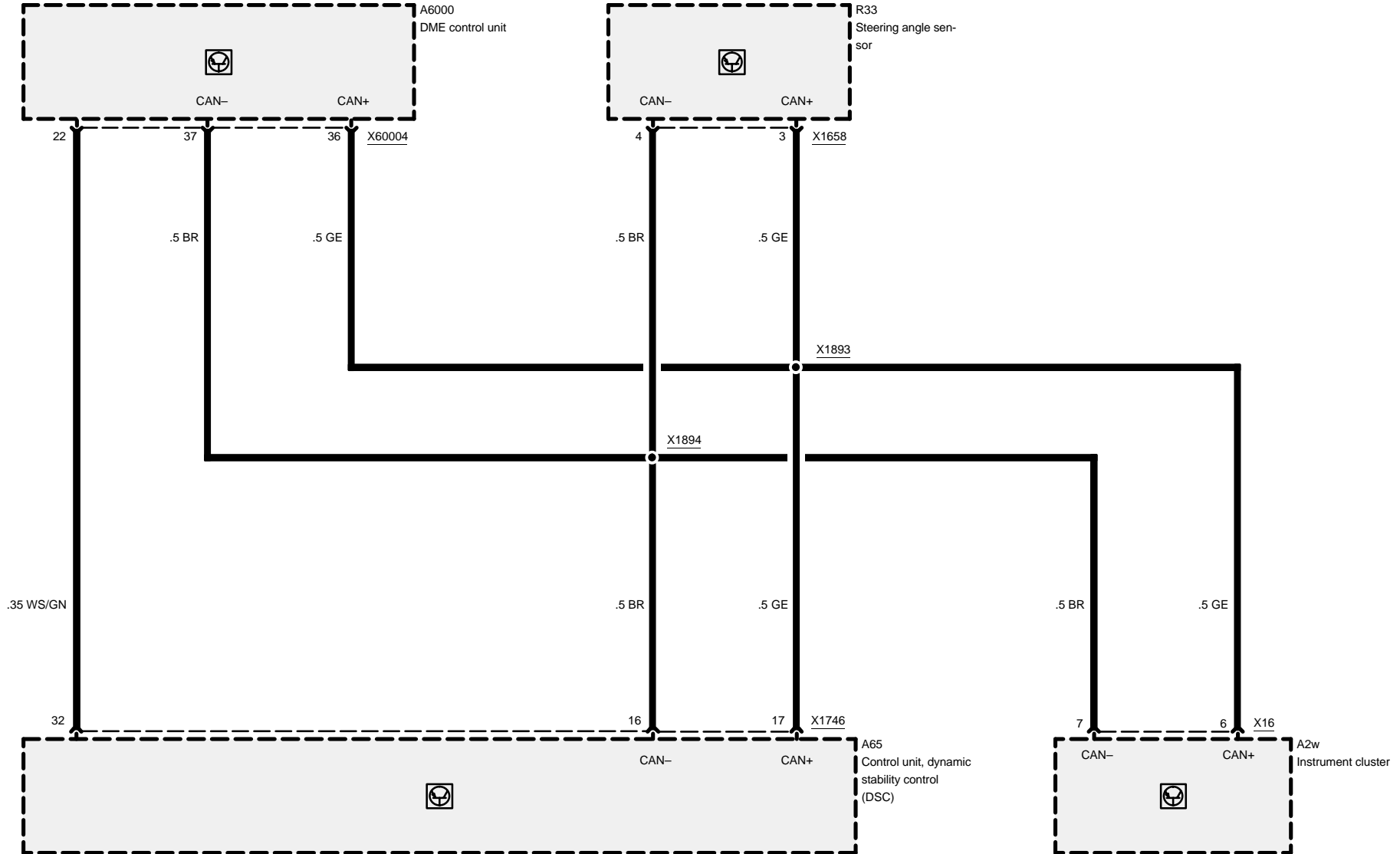
Dynamic stability control (DSC III)





Dynamic stability control (DSC III)

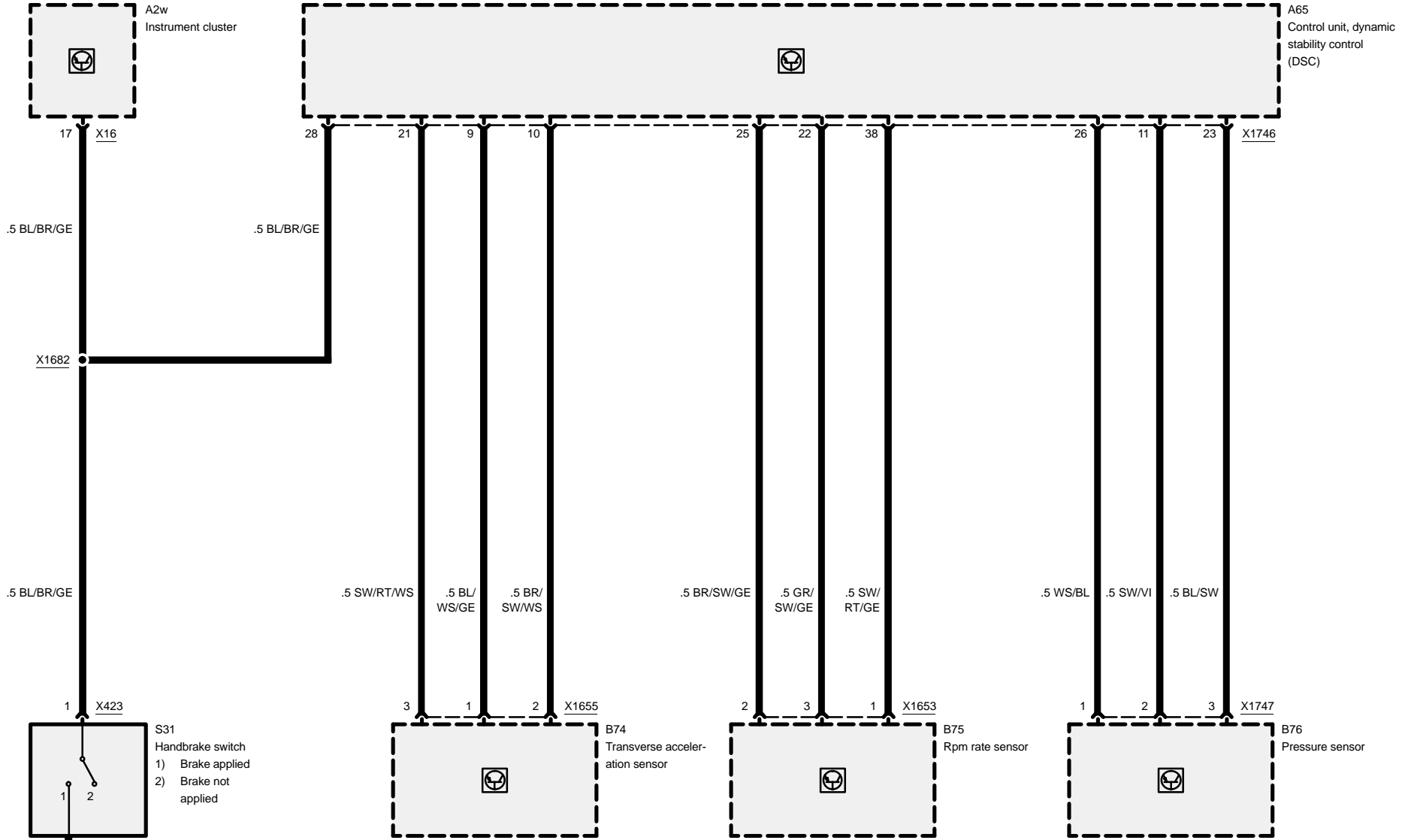
Z3



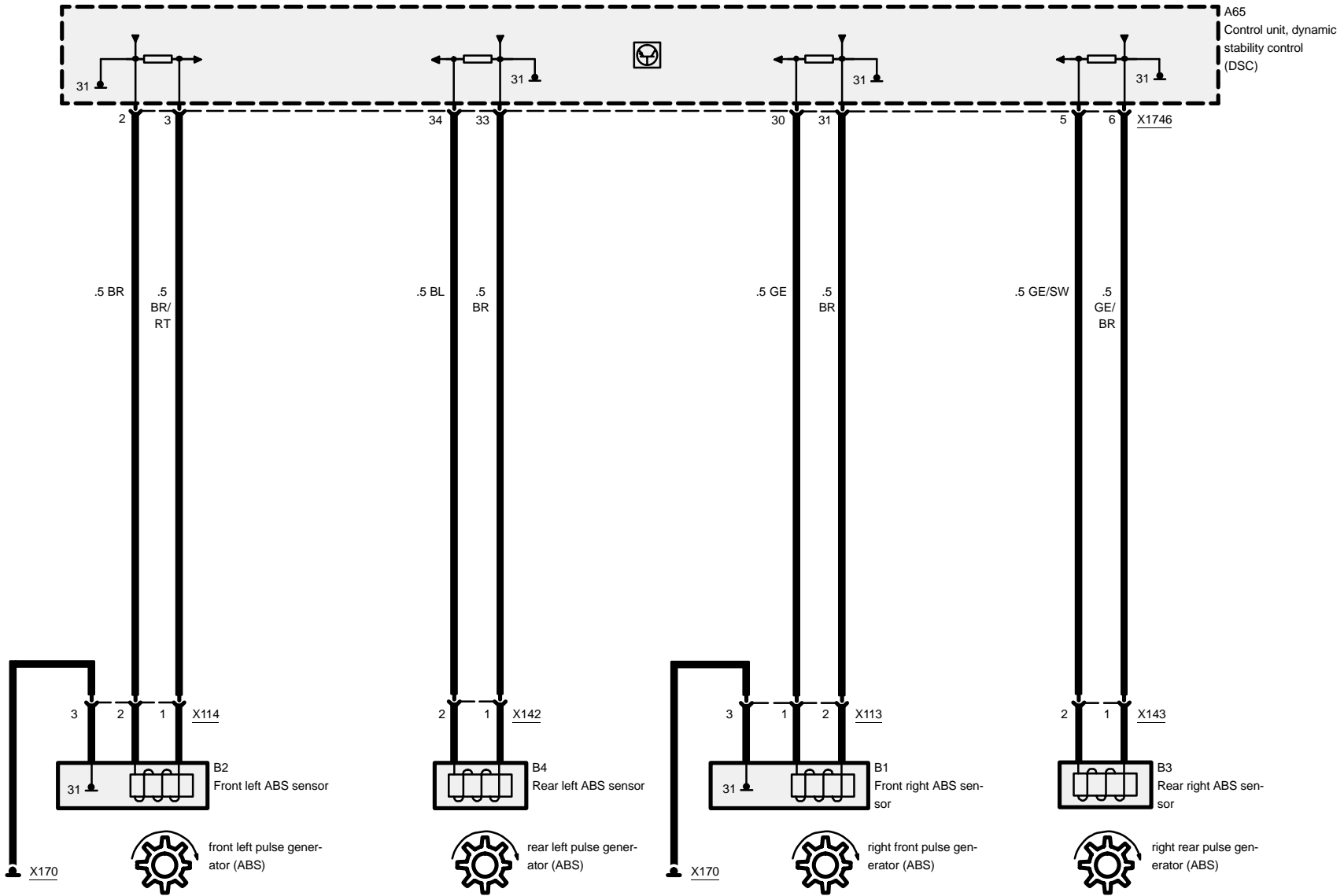


Dynamic stability control (DSC III)

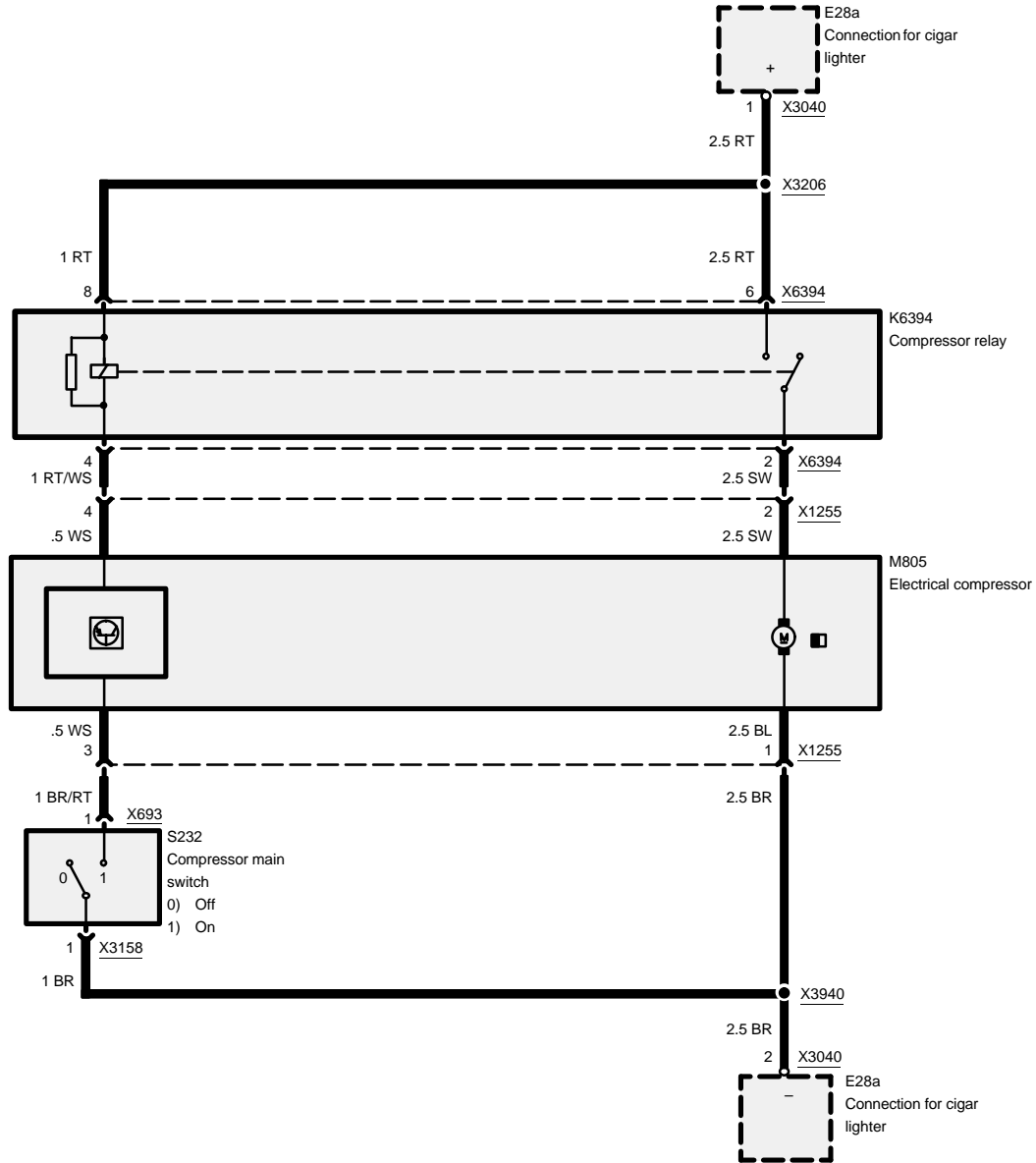
Z3



Dynamic stability control (DSC III)



3614.0 Tyre inflation system

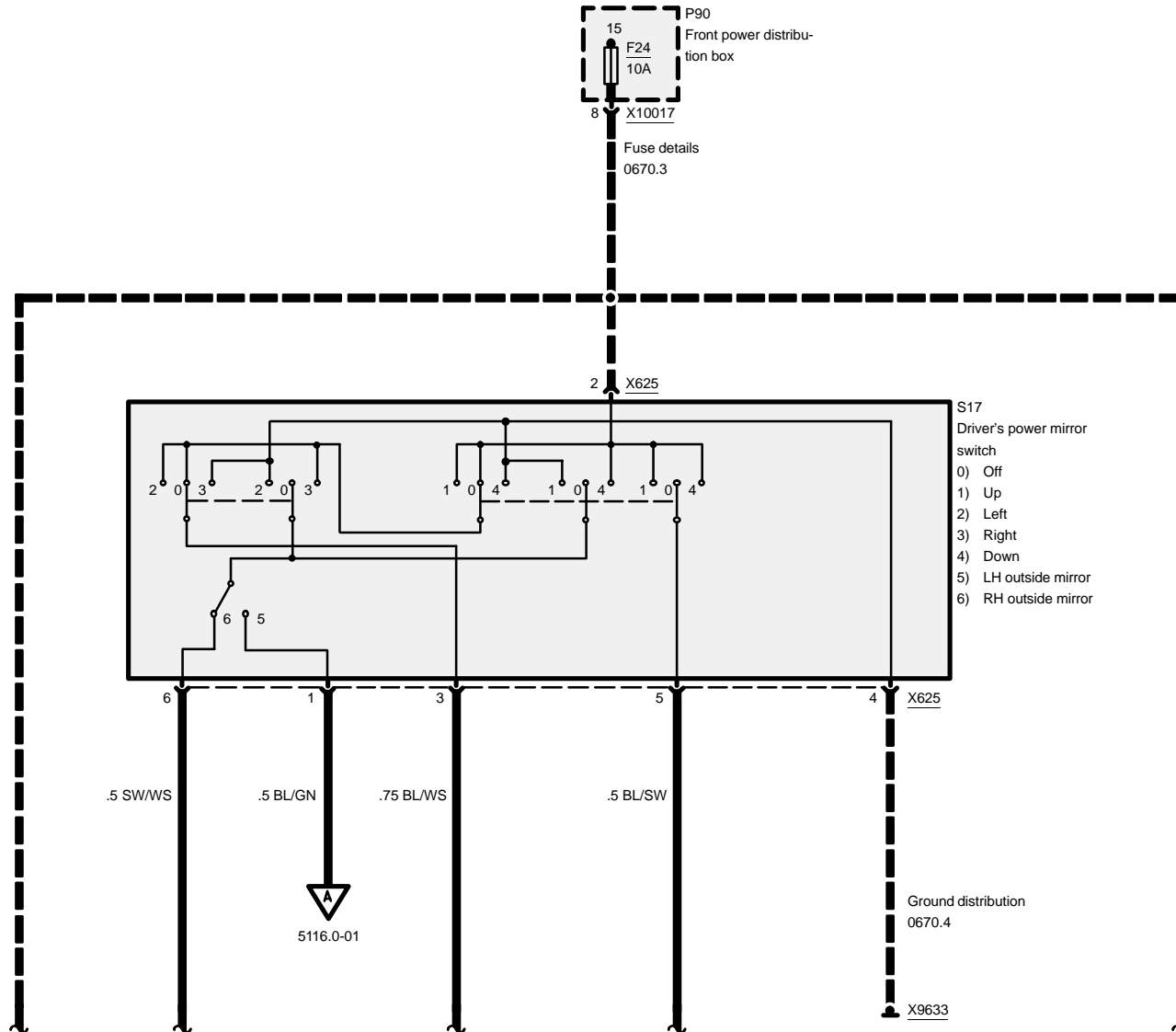




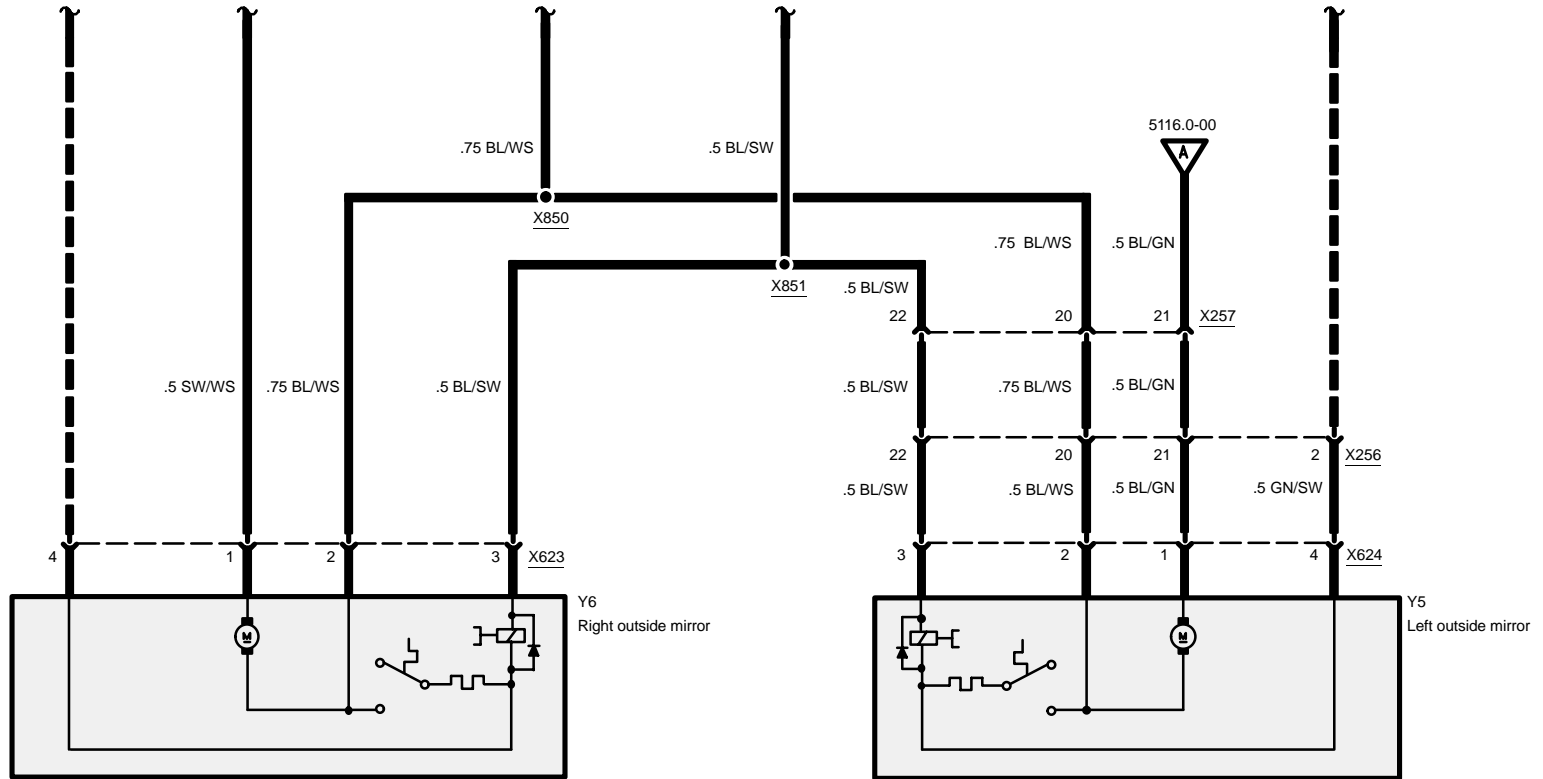
5116.0 Power mirrors

Outside mirror

Right-hand drive



Right-hand drive

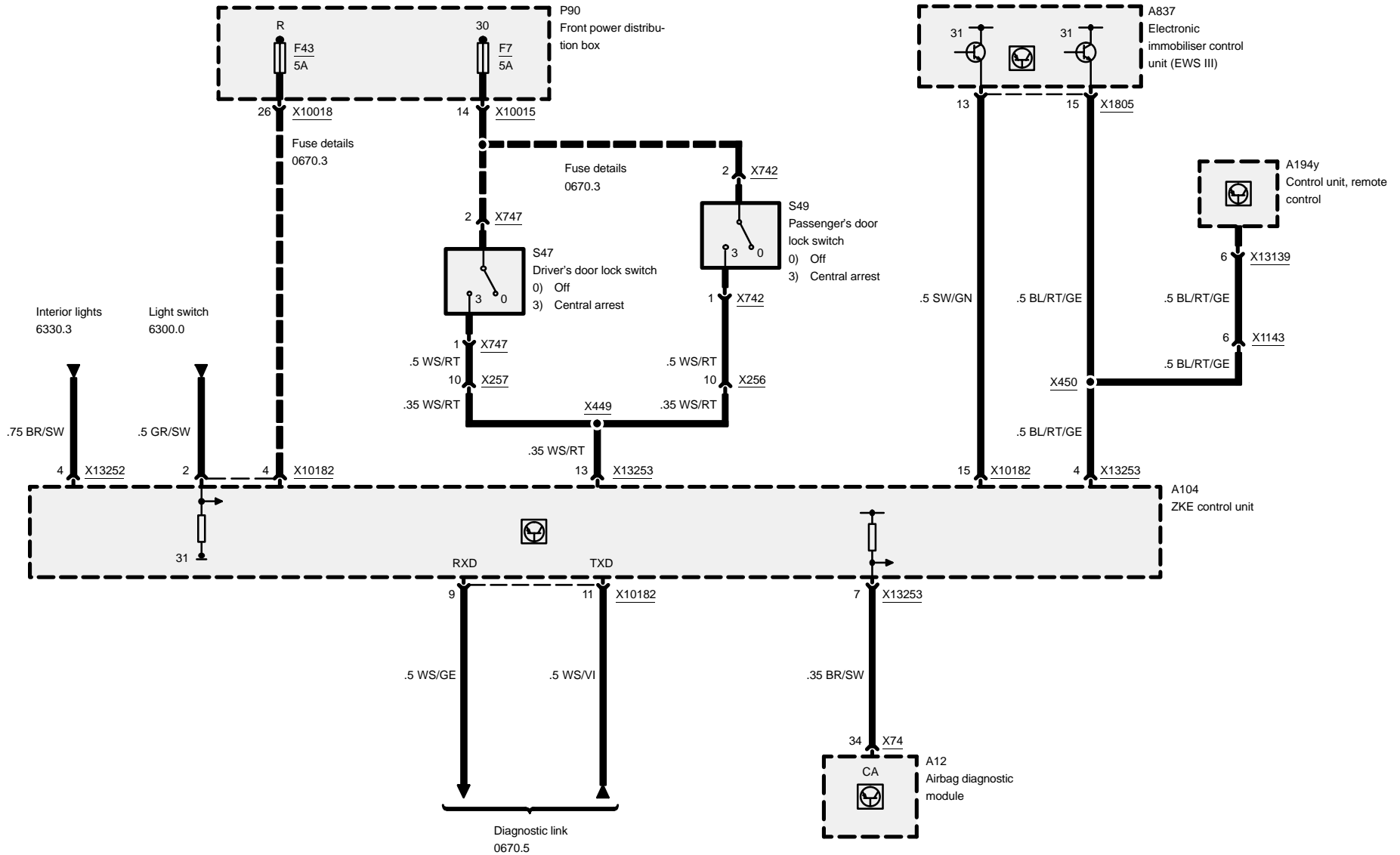




5126.0 Central locking system (ZKE/ZV)

Inputs, immobilising device

Z3

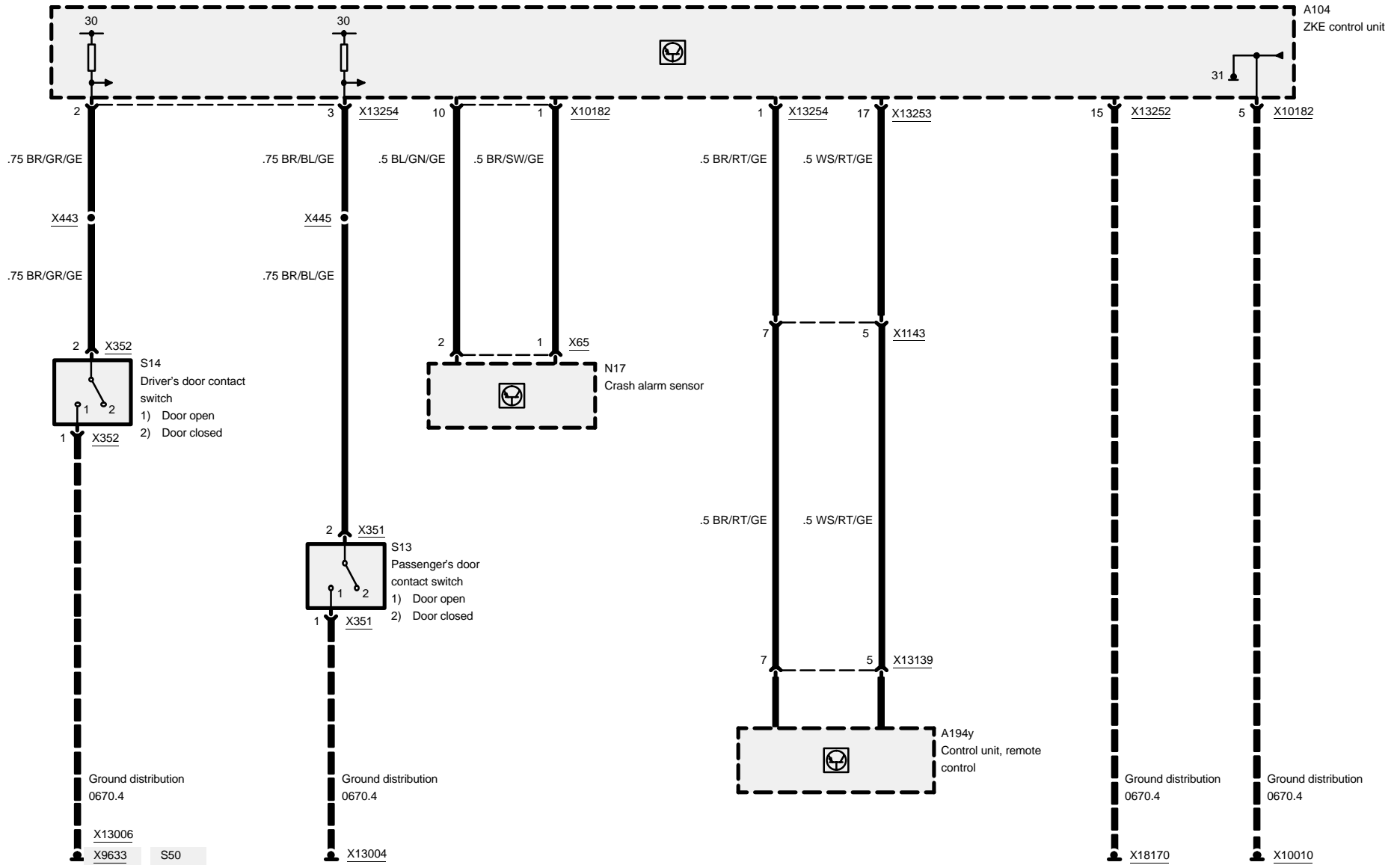




Central locking system (ZKE/ZV)

Inputs

Z3

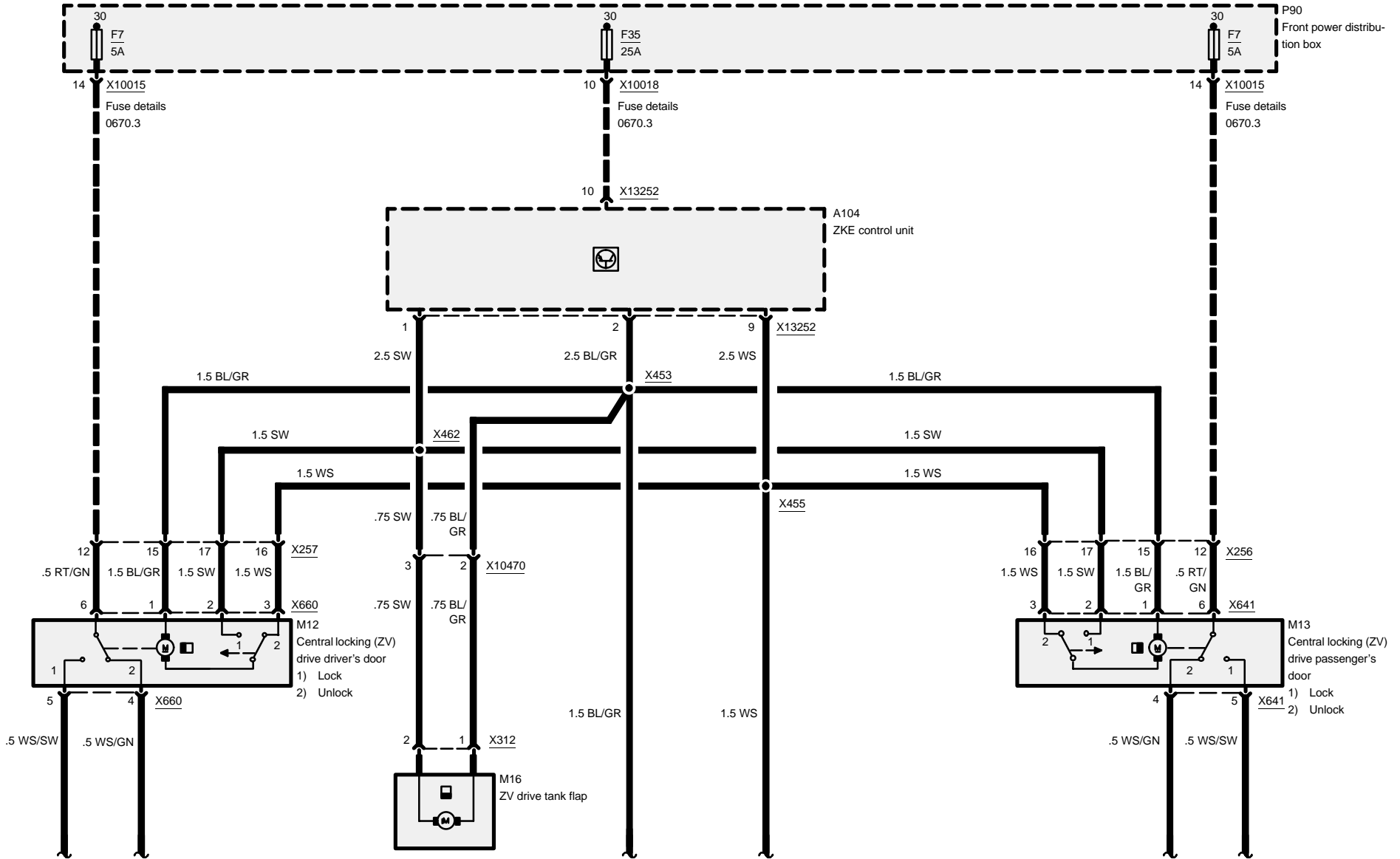


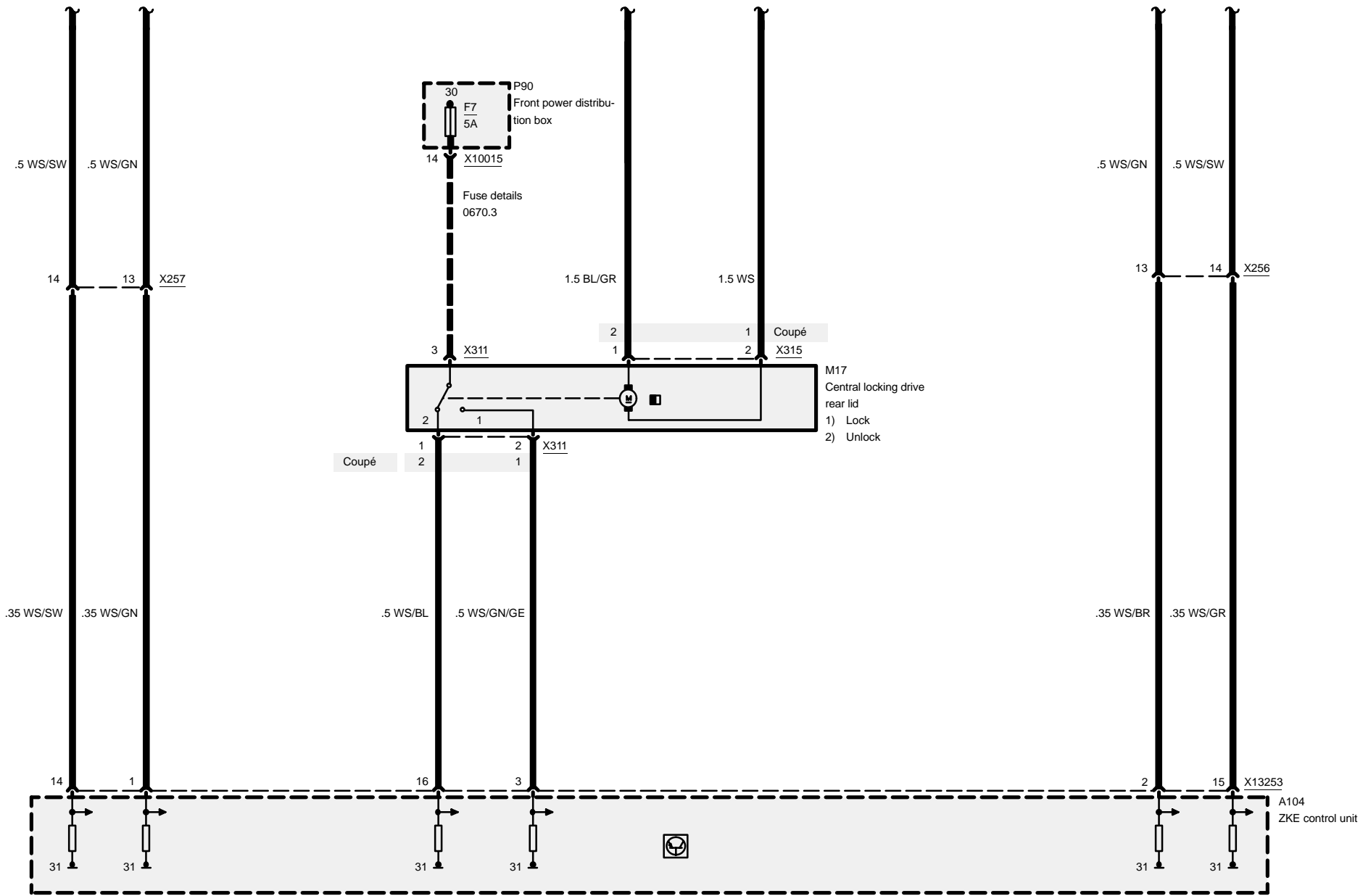


Central locking system (ZKE/ZV)

Except S50 Japan Coupé

Outputs





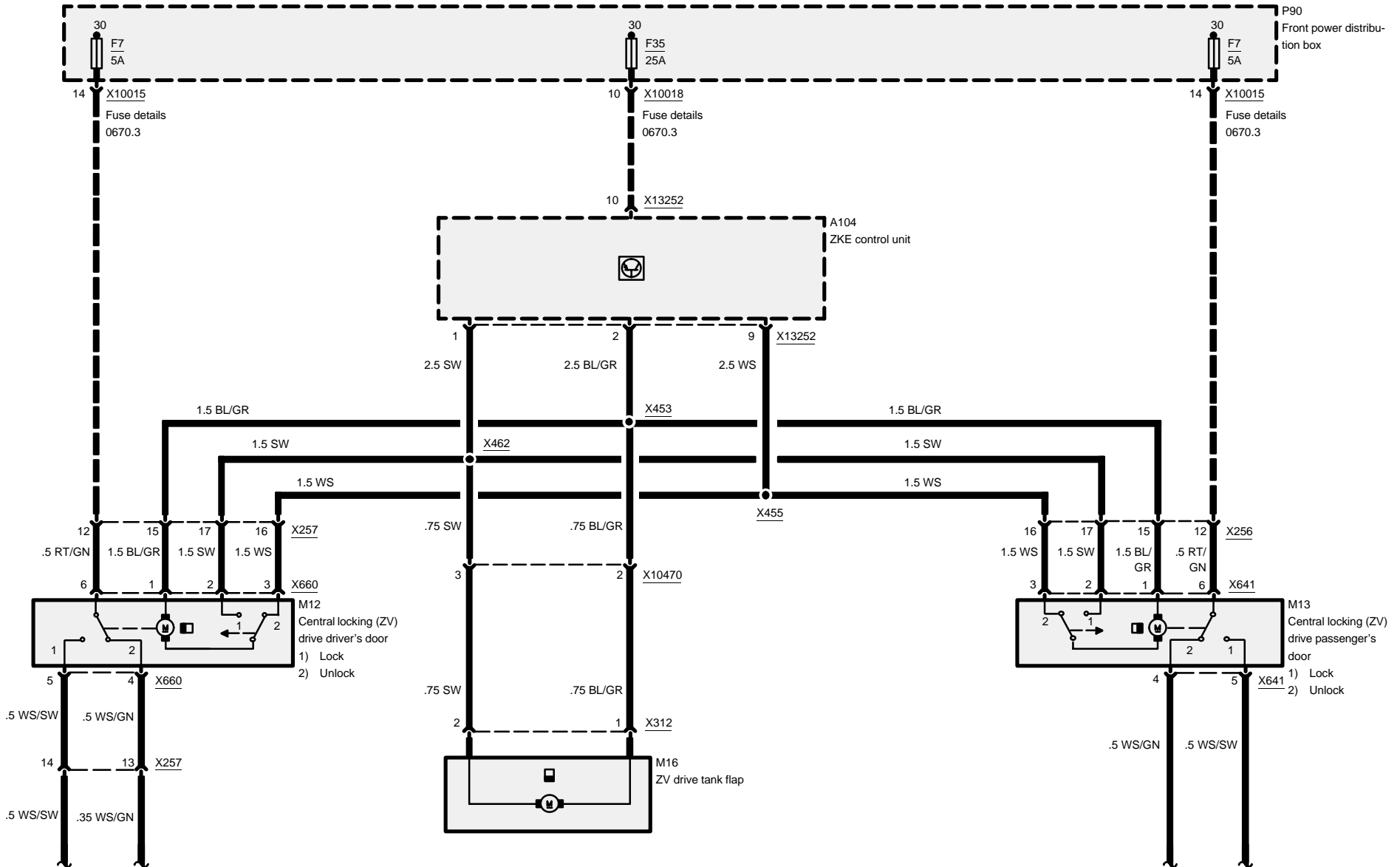


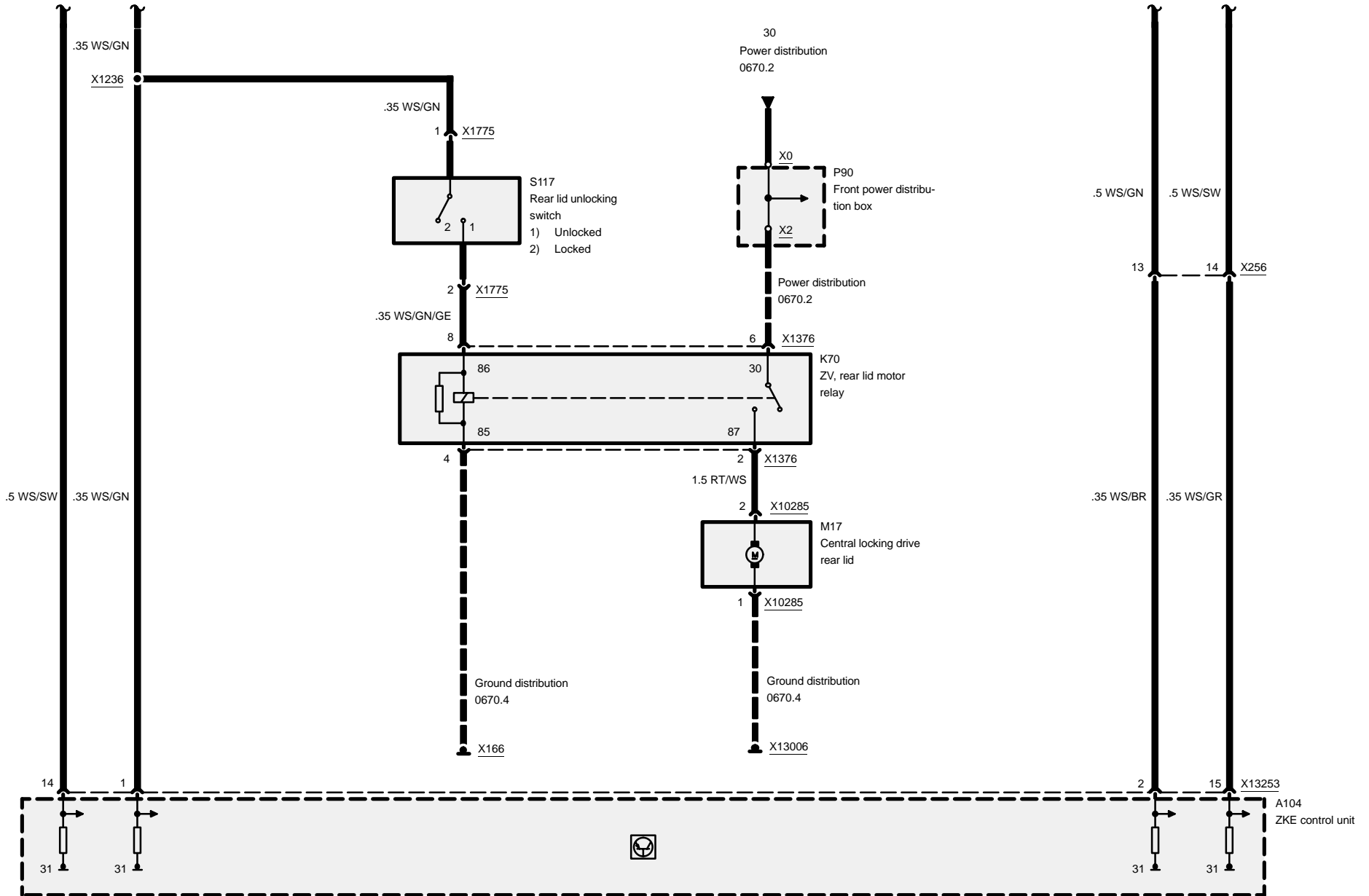
Central locking system (ZKE/ZV)

S50 Japan Coupé

Outputs

Z3

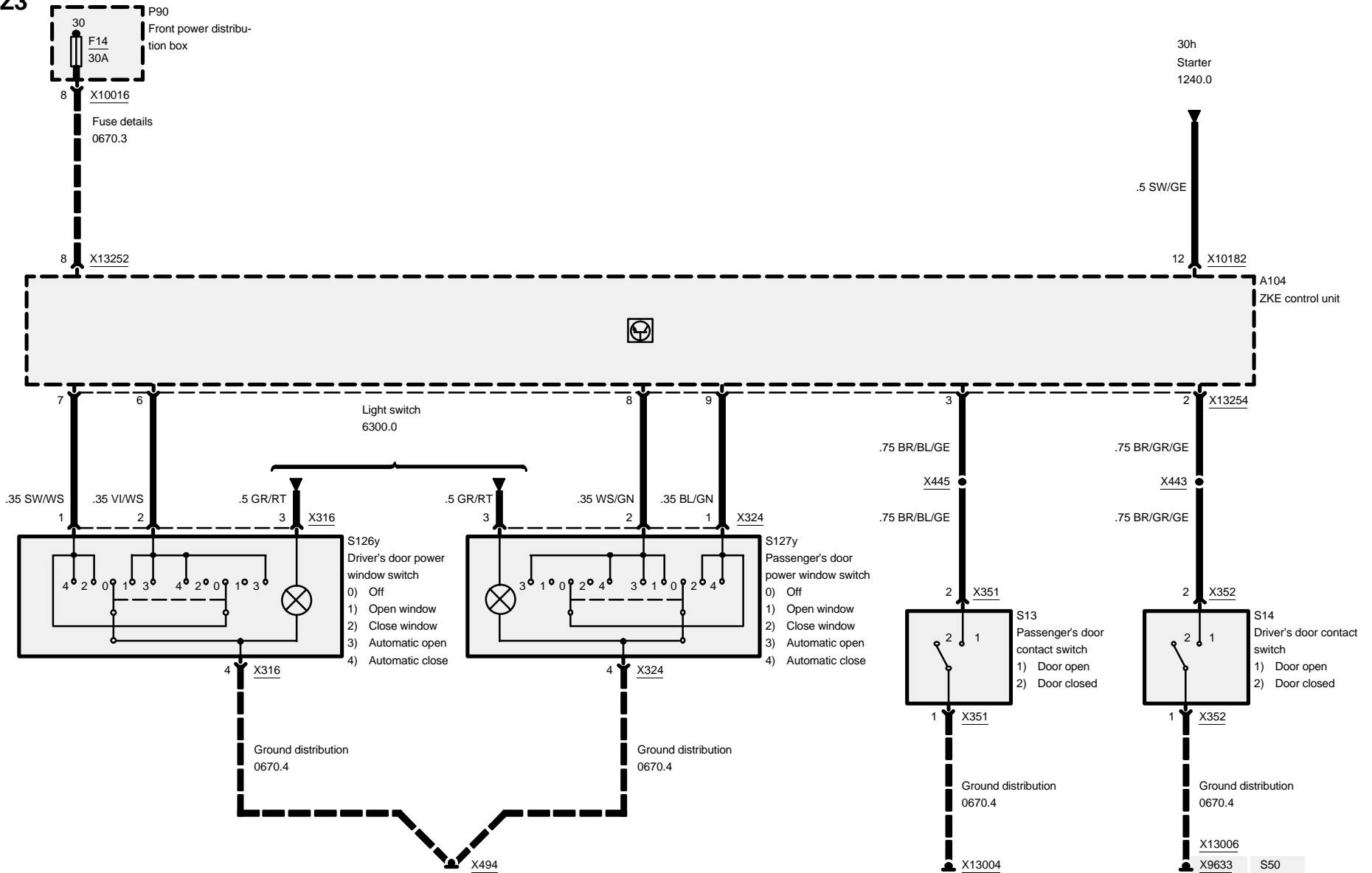




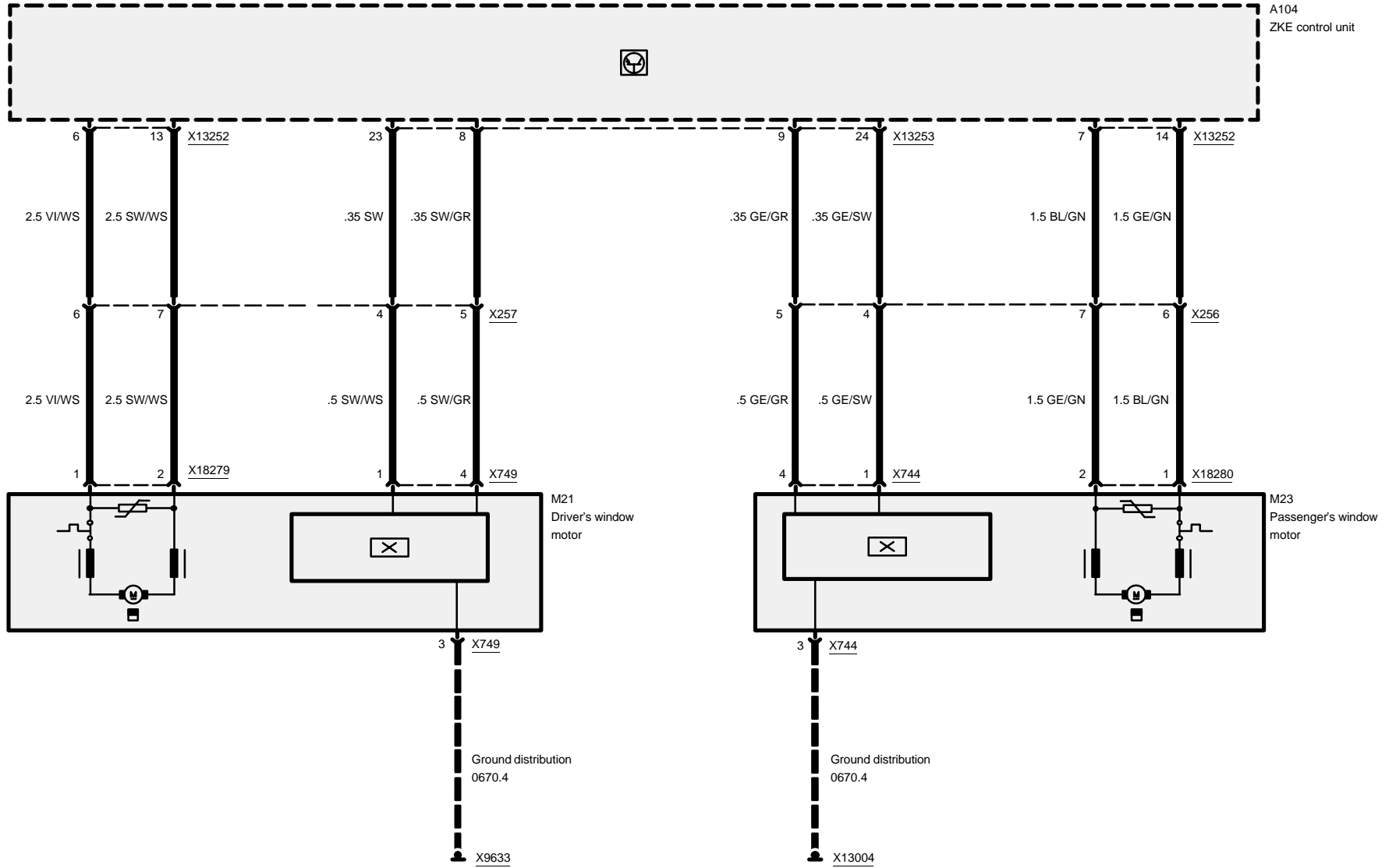


5133.0 Power windows (ZKE/FH)

Z3



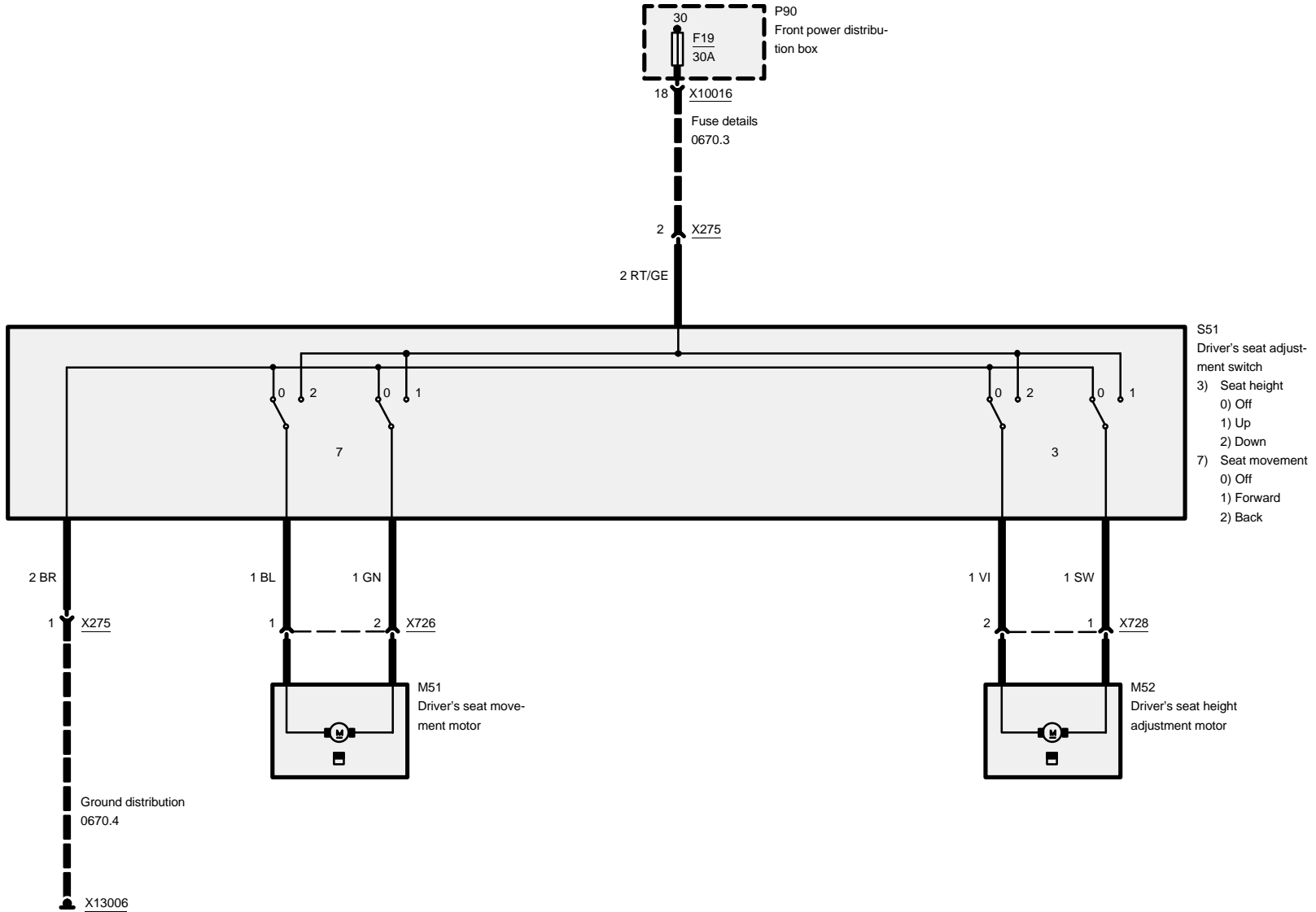
Power windows (ZKE/FH)





5200.0 Power seats

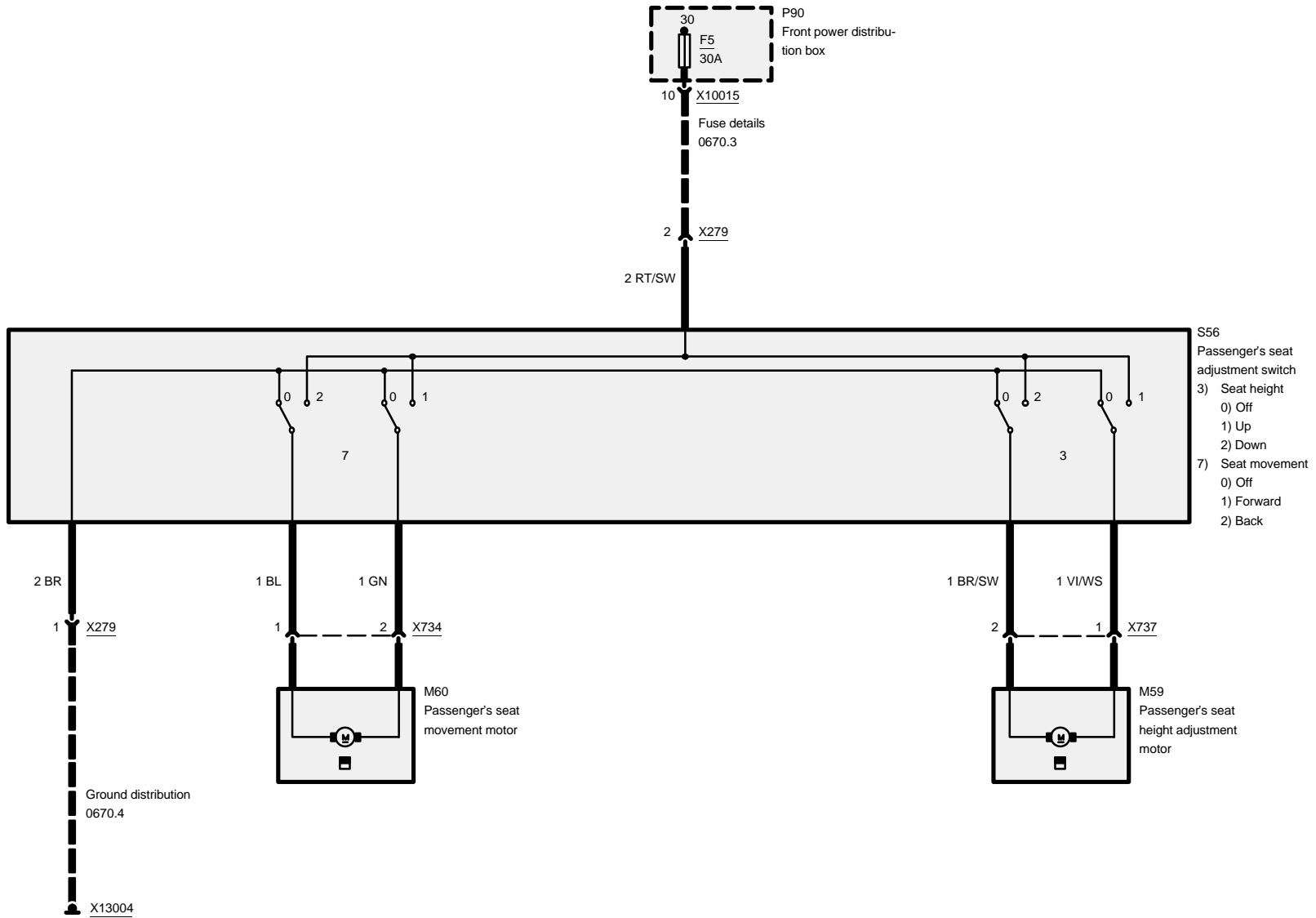
Driver's seat





Power seats

Passenger's seat

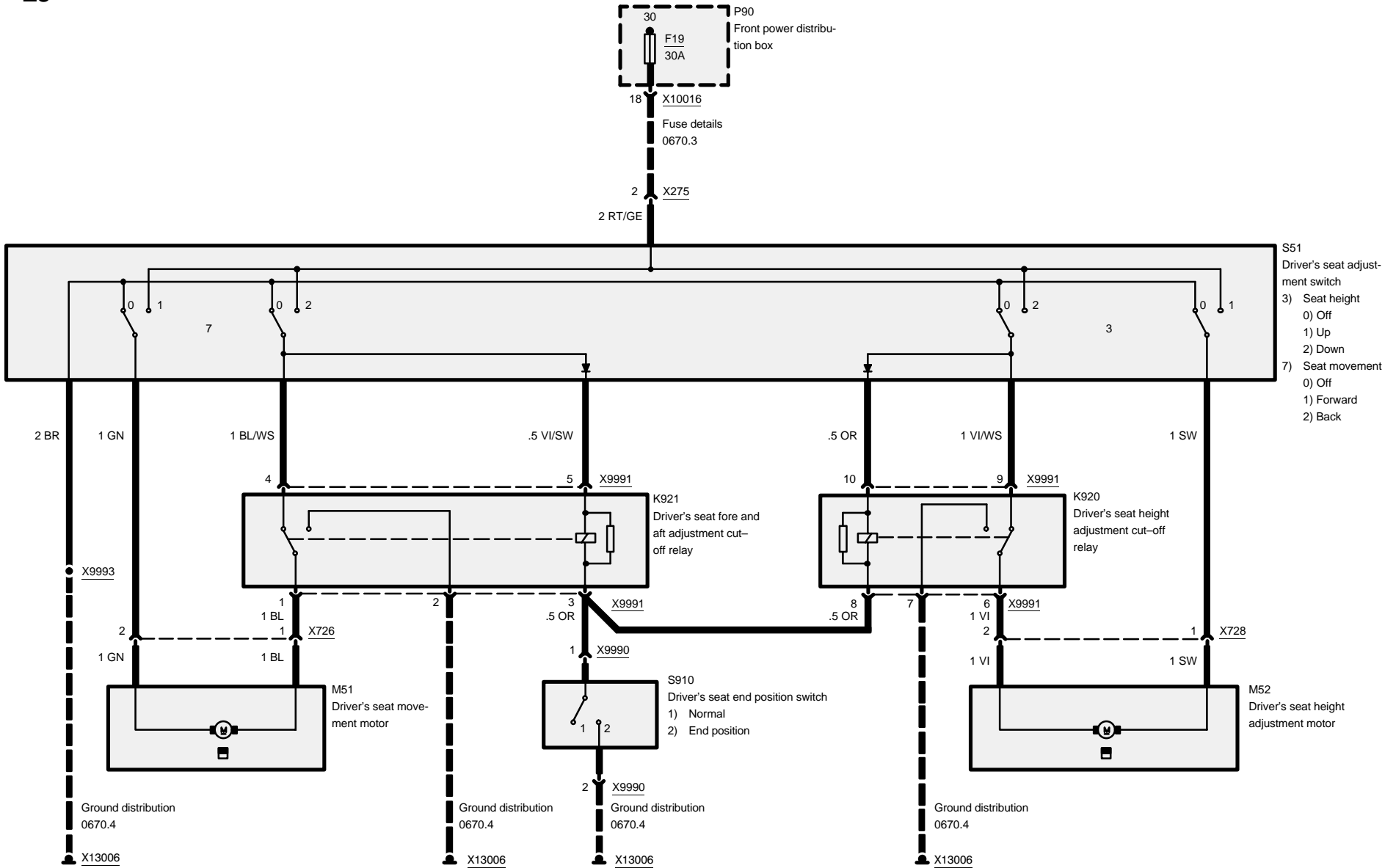




Power seats

Driver's seat

Sports seat

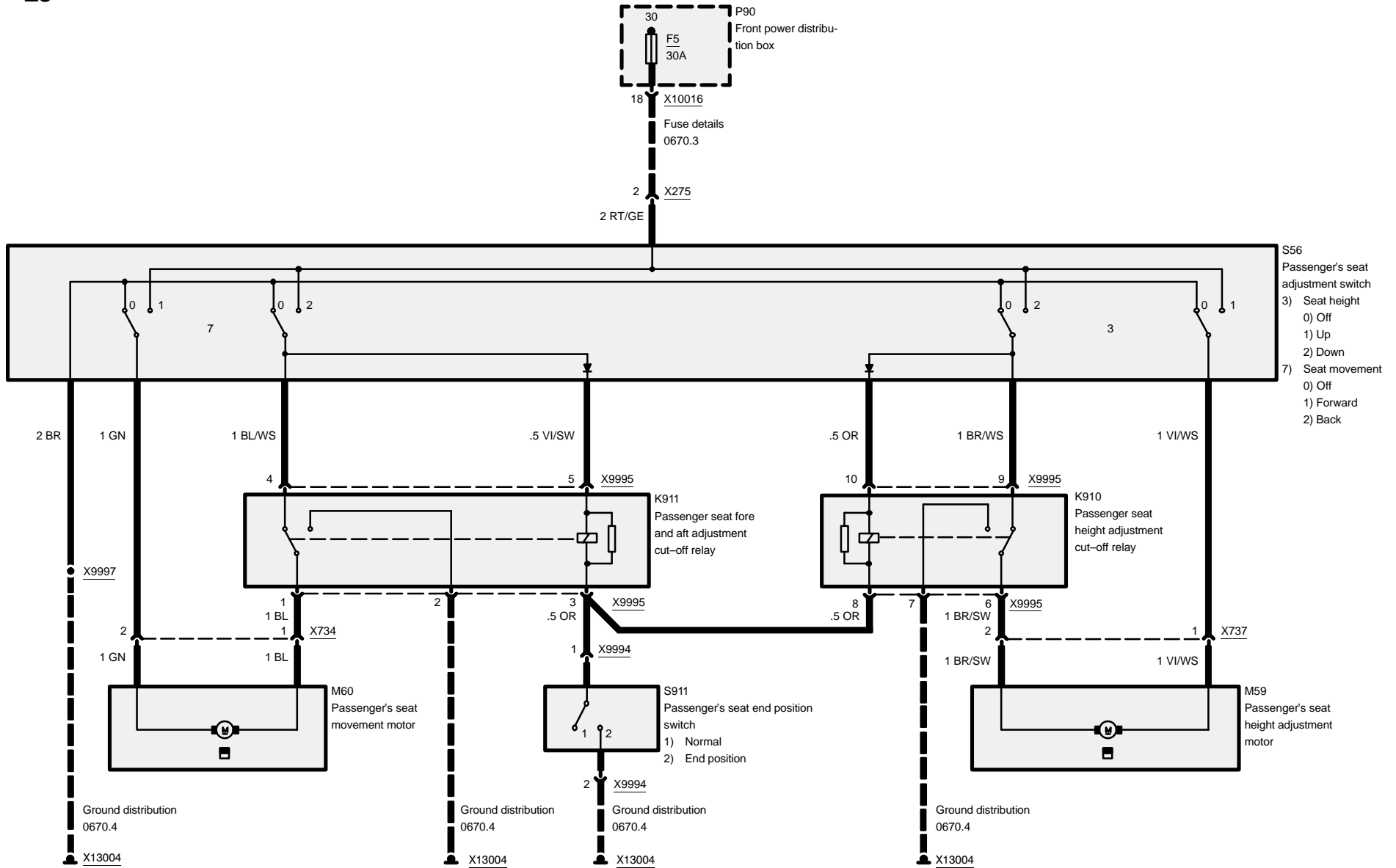




Power seats

Passenger's seat

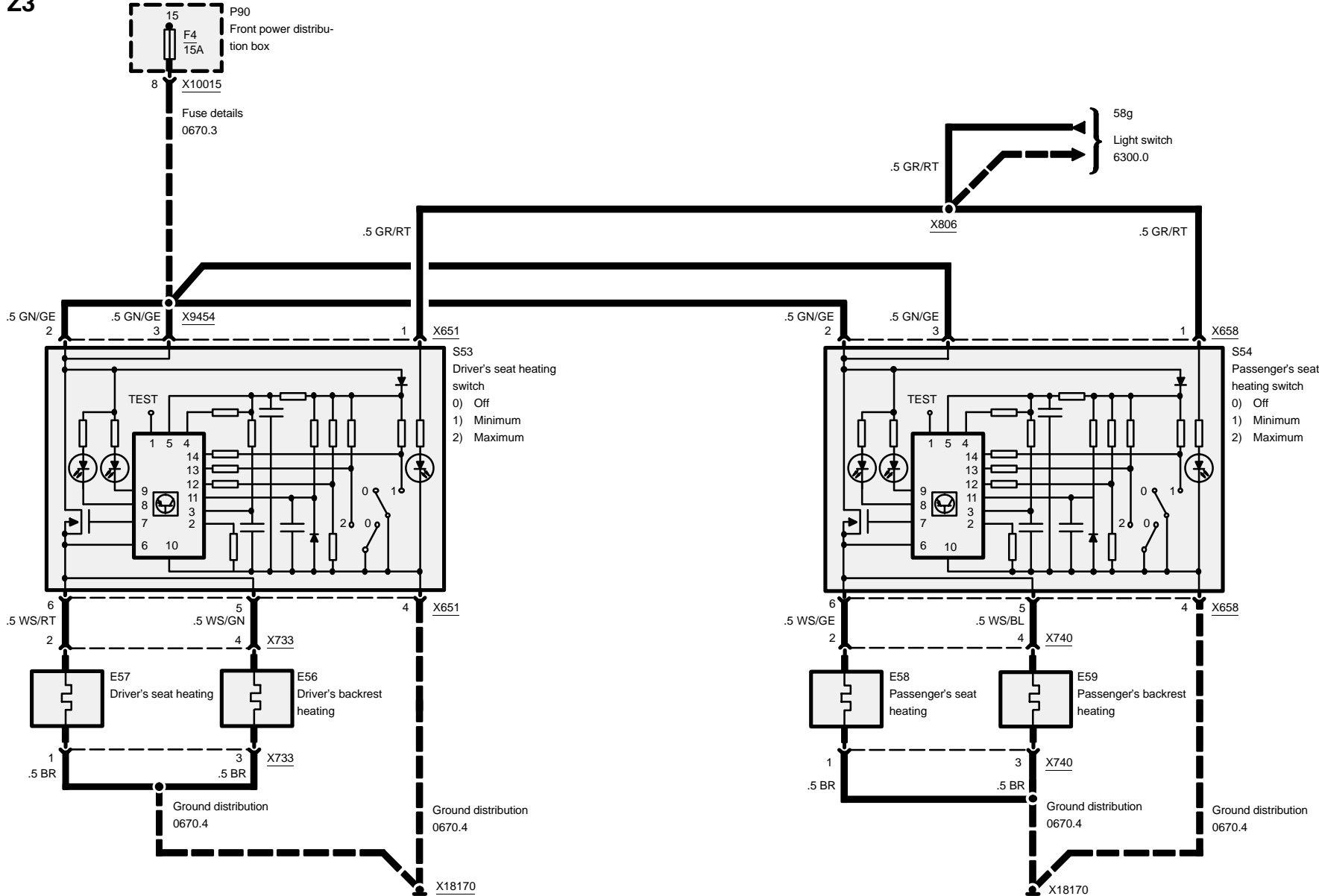
Sports seat





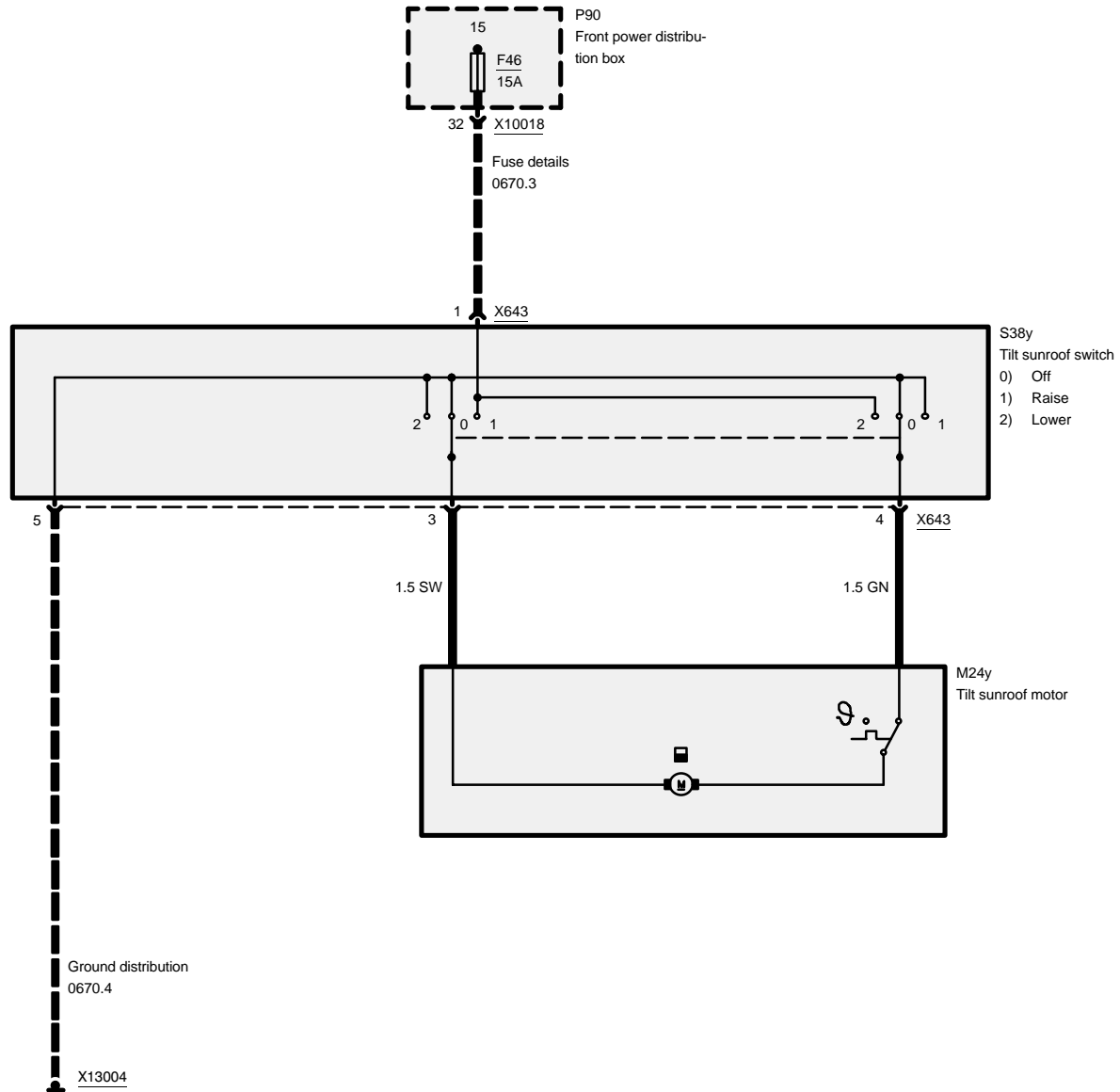
5203.0 Heated seats

Z3

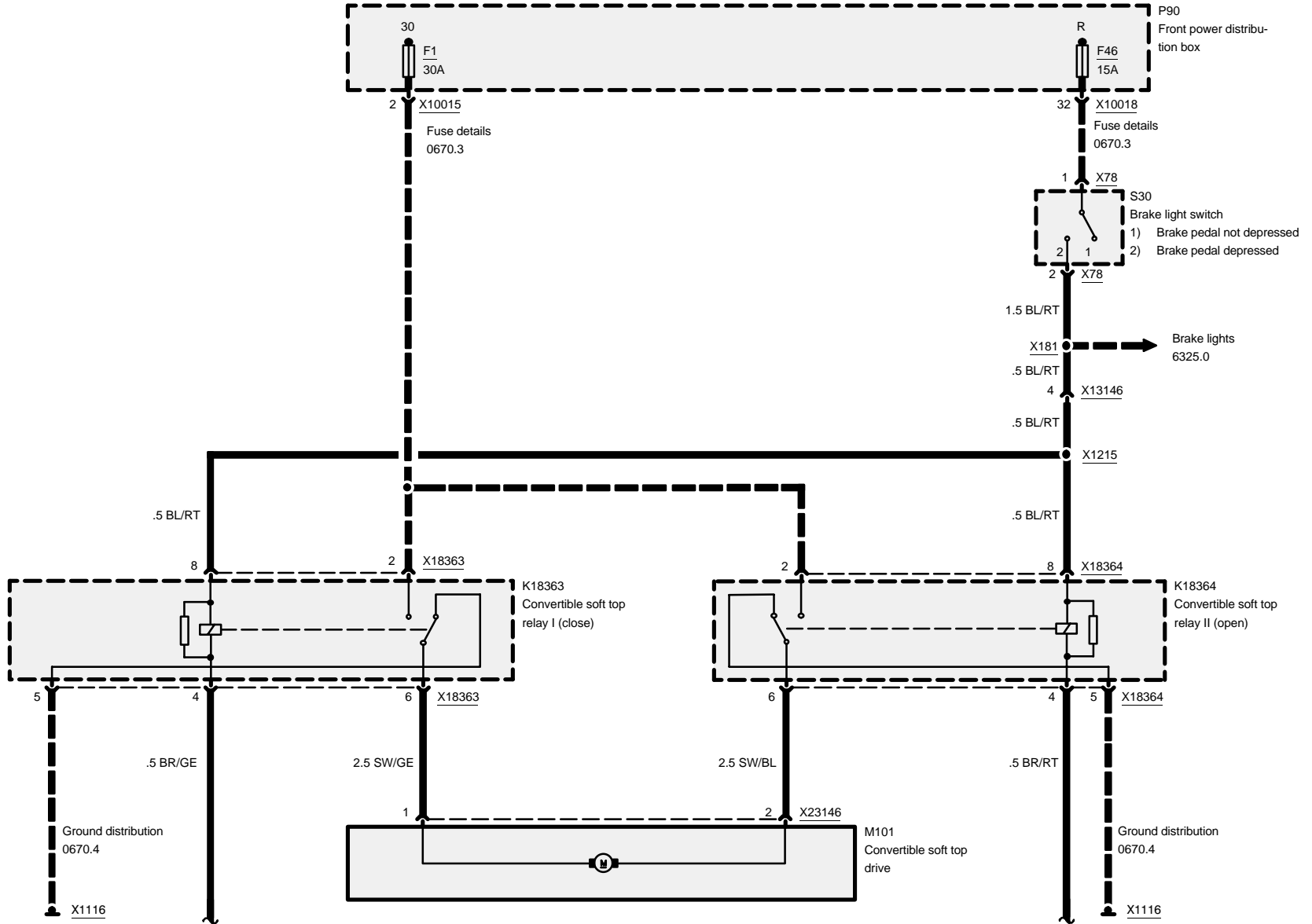


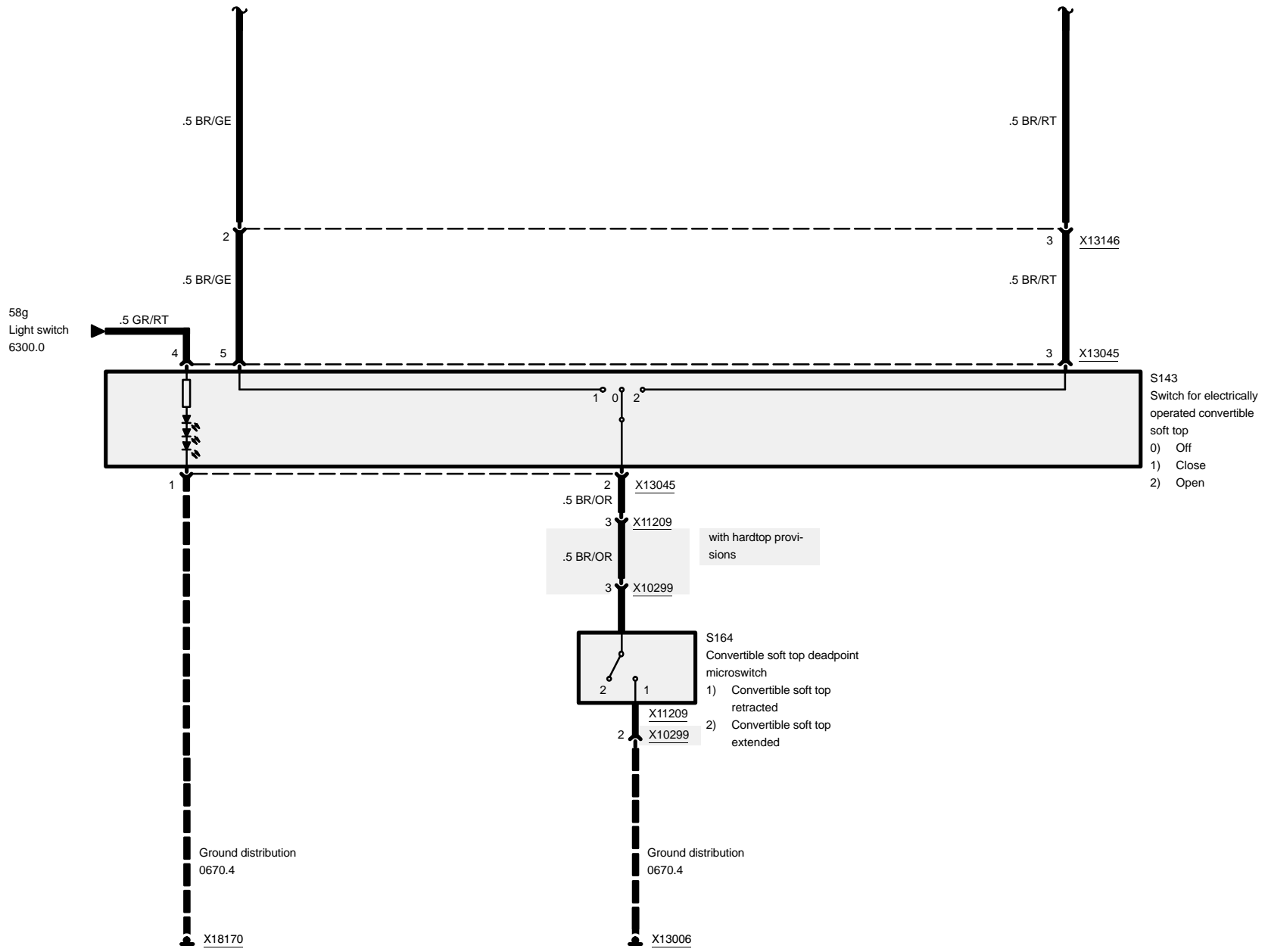


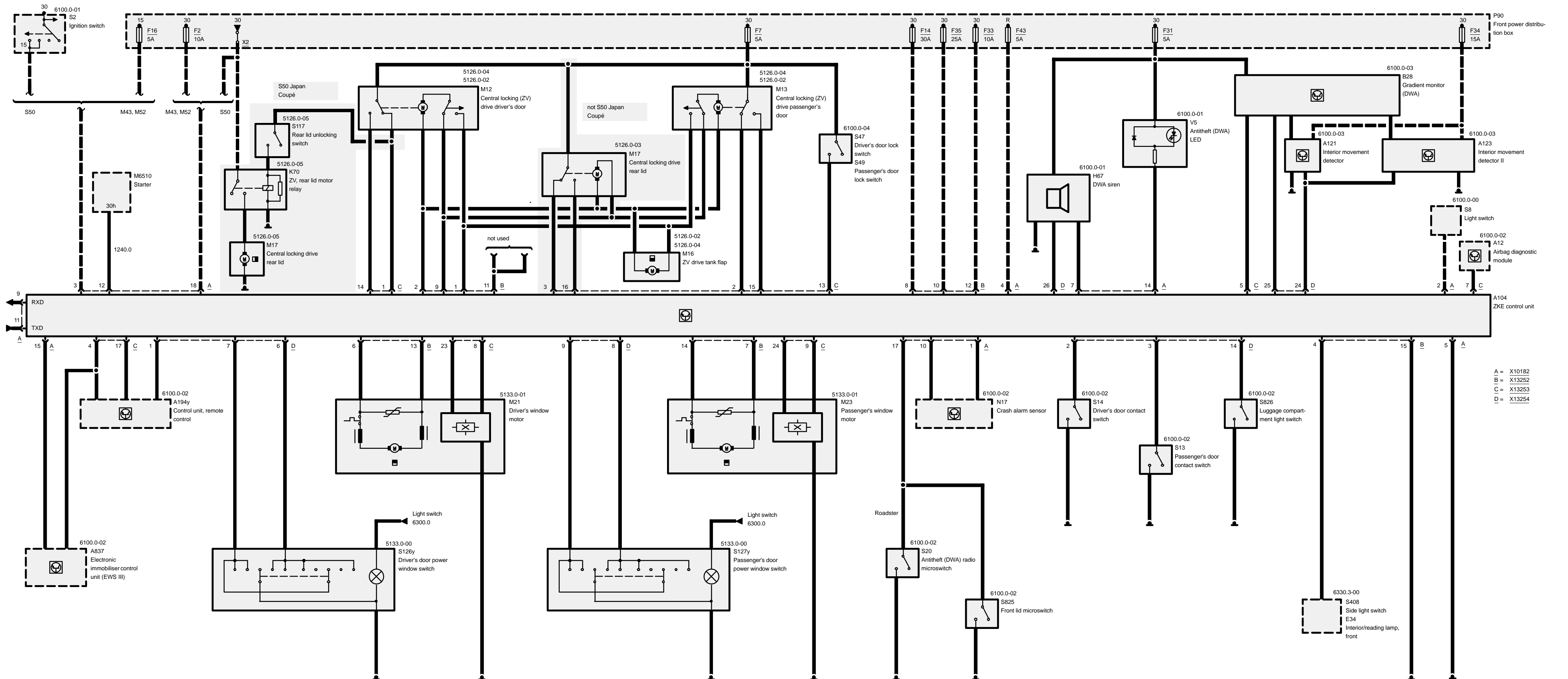
5410.5 Electric tilt sunroof



5430.2 Electrohydraulic convertible soft-top

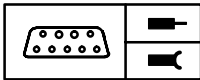








Z3



Pin assignments

A=X10182	18-pin, black
B=X13252	15-pin, black
C=X13253	26-pin, yellow
D=X13254	26-pin, green

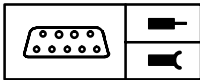
X10182

Pin	Type	Description/Function	Connection
1	A	Hazard warning signal	Crash alarm sensor
2	E	Parking light signal	Light switch
3	E	Terminal, ignition	Ignition starter switch (S50) Fuse 16 (M43, M52)
4	E	Terminal, radio	Fuse 43
5	M	Ground	Ground connection
6		Not used	
7	A	Horn activation	DWA antitheft horn
8		Not used	
9	A	RxD diagnostic link	Diagnostic connector
10	A	Visual alarm DWA	Crash alarm sensor
11	E/A	TxD diagnostic data link	Diagnostic connector
12	E	Starter signal	Starter
13		Not used	
14	A	LED	DWA LED
15	A	Vehicle immobilization	Control unit, electronic vehicle immobilization (EWS III)
16		Not used	
17	E	DWA signal	Radio/front lid microswitch
18	E	Power supply, terminal 30	Front power distribution box (S50) Fuse 2 (M43, M52)

E = Input, A = Output, M = Ground



Z3

**Pin assignments****X13252**

Pin	Type	Description/Function	Connection
1	A	Arrest signal	Central locking drive
2	A	Unlock signal	Central locking drive
3		Not used	
4	A	Interior lights	Interior light switch
5		Not used	
6	A	Open signal	Power window motor, driver's door
7	A	Close signal	Power window motor, passenger's door
8	E	Power supply, power windows	Fuse 14
9	A	Lock signal	Central locking drive
10	E	Power supply, central locking	Fuse 35
11	A	Consumer load cutout	Not used
12	E	Power supply, Interior lights	Fuse 33
13	A	Close signal	Power window motor, driver's door
14	A	Open signal	Power window motor, passenger's door
15	M	Ground	Ground connection

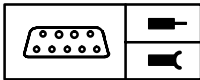
X13253

Pin	Type	Description/Function	Connection
1	E	Unlock signal	Central locking drive, driver's door
2	E	Unlock signal	Central locking drive, front passenger's door
3	E	Unlock signal	Central locking drive, boot lid
4	E	Central arrest signal	Remote control unit
5	E	Tilt signal	Tilt alarm sensor
6		Not used	
7	E	Crash pulse	Airbag control unit
8	E	Position pulse A	Power window motor, driver's door
9	E	Position pulse A	Power window motor, passenger's door
10		Not used	
11		Not used	

E = Input, A = Output, M = Ground



Z3



Pin assignments

Pin	Type	Description/Function	Connection
12		Not used	
13	E	Central arrest signal	Door lock switch, central locking
14	E	Lock signal	Central locking drive, driver's door
15	E	Lock signal	Central locking drive, front passenger's door
16	E	Lock signal	Central locking drive, boot lid
17	E	Lock signal	Remote control unit
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Position sensor	Power window motor, driver's door
24	A	Position sensor	Power window motor, passenger's door
25		Not used	
26		Not used	

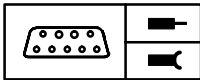
X13254

Pin	Type	Description/Function	Connection
1	E	Remote control	Remote control unit
2	E	Driver's door	Door contact switch
3	E	Front passenger's door	Door contact switch
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	
11		Not used	
12		Not used	
13		Not used	

E = Input, A = Output, M = Ground



Z3



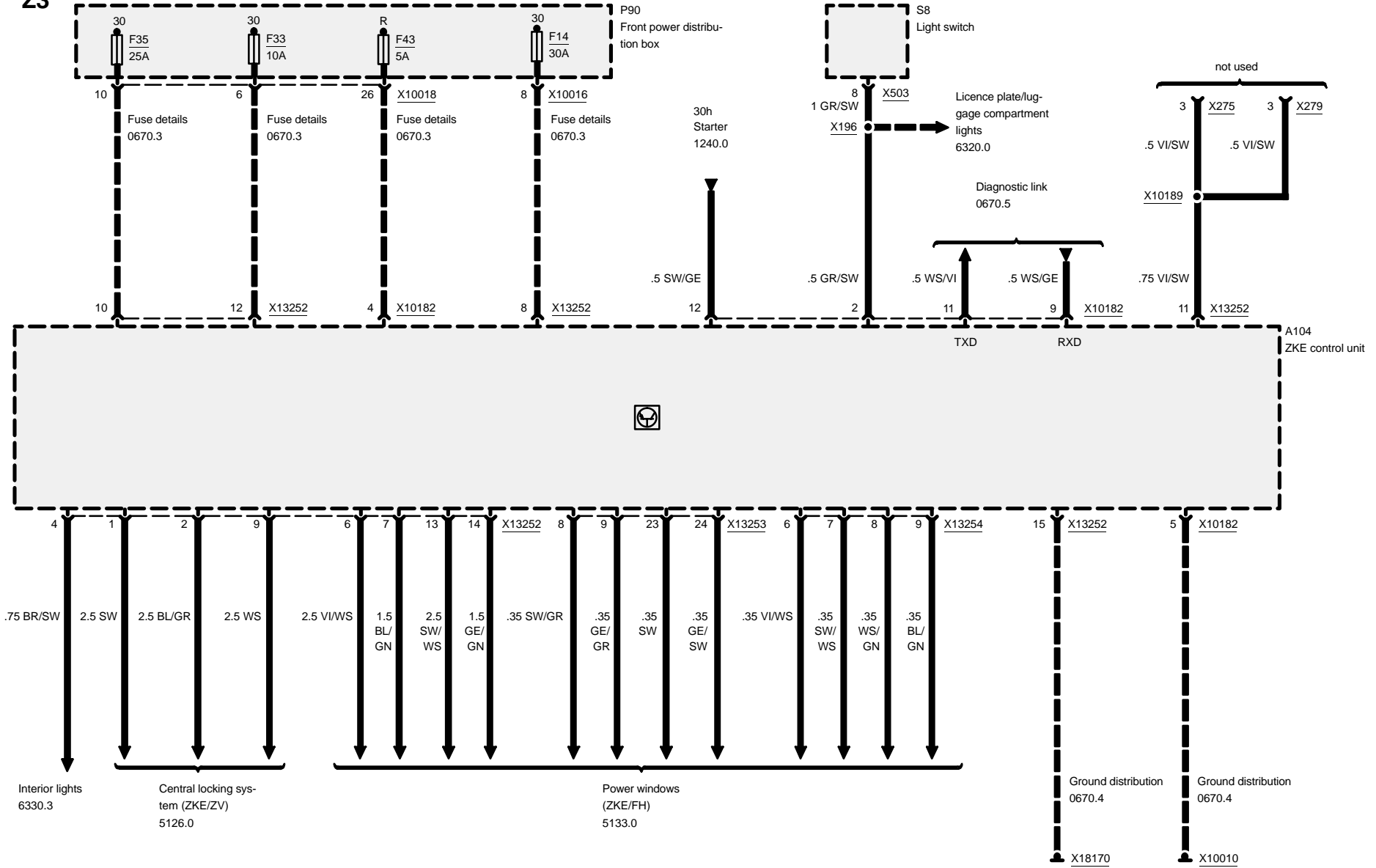
Pin assignments

Pin	Type	Description/Function	Connection
14	E	Trunk lid contact	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	E	DWA signal	Radio protection for passenger compartment
25	A	DWA signal	Tilt monitor
26	A	Alarm signal	Antitheft horn (DWA)



Central body electronics (ZKE IV)

Z3

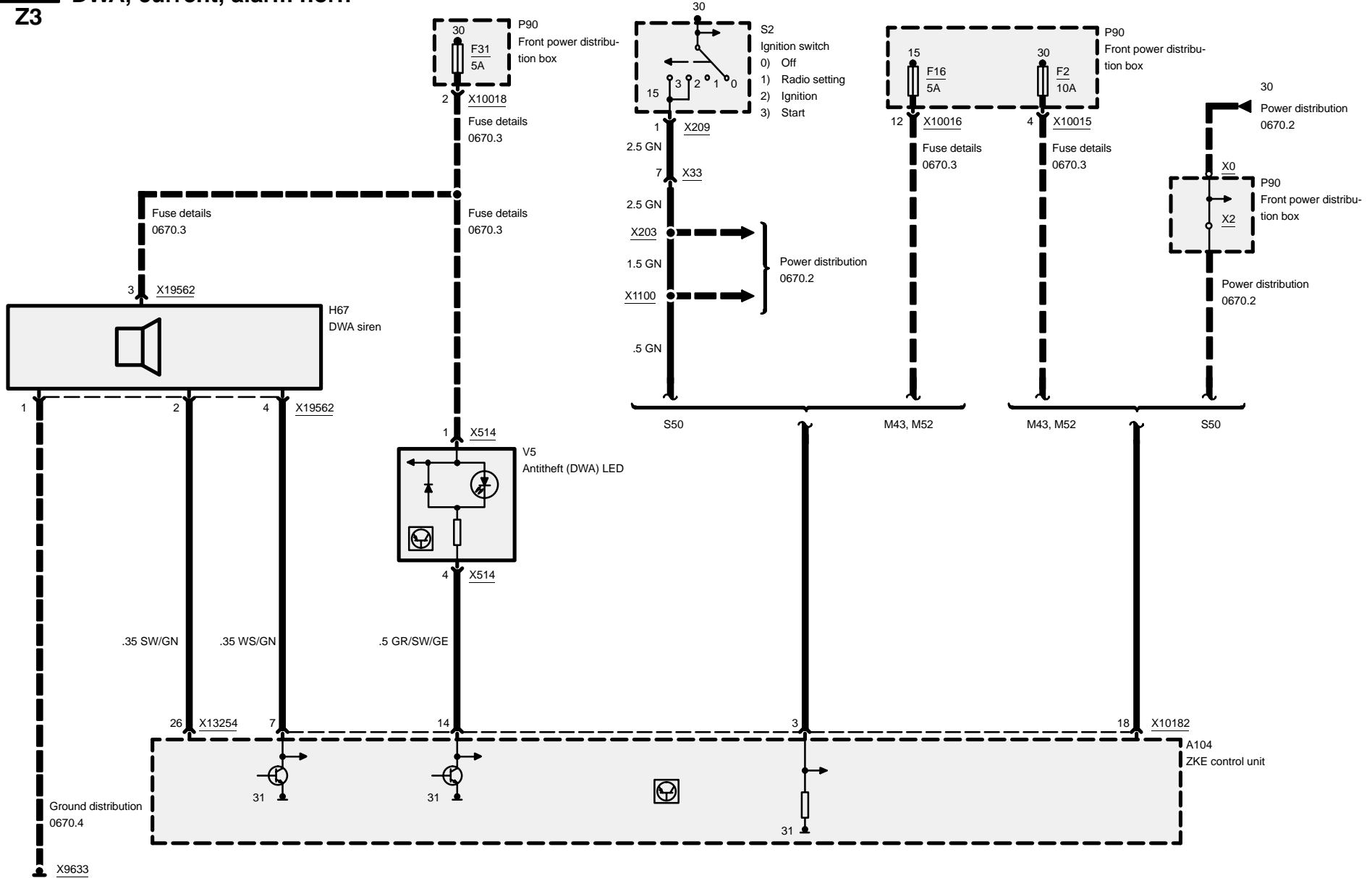




Z3

Central body electronics (ZKE IV)

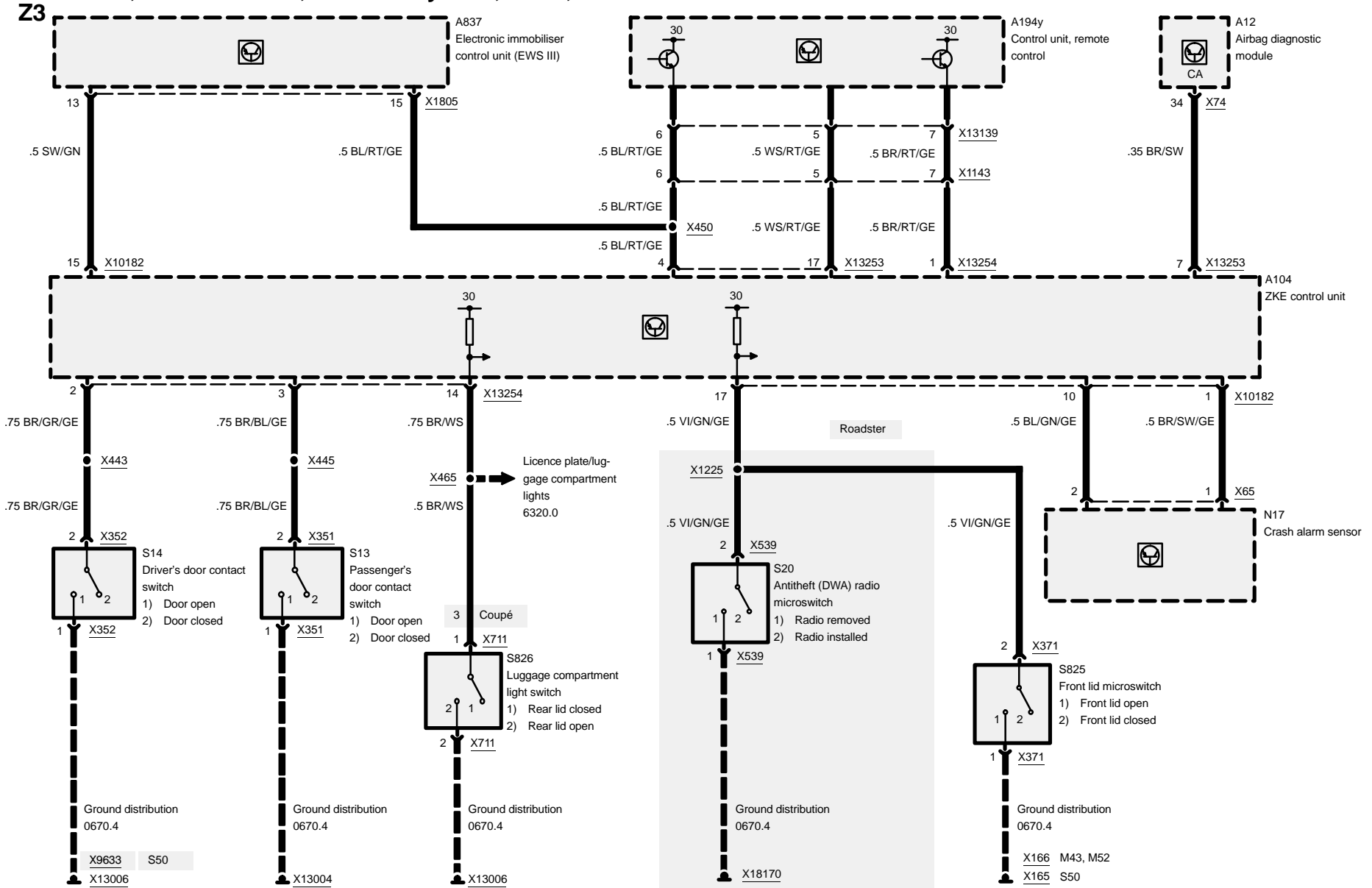
DWA, current, alarm horn





Central body electronics (ZKE IV)

DWA, door contacts, drive-away lock, radio, front lid

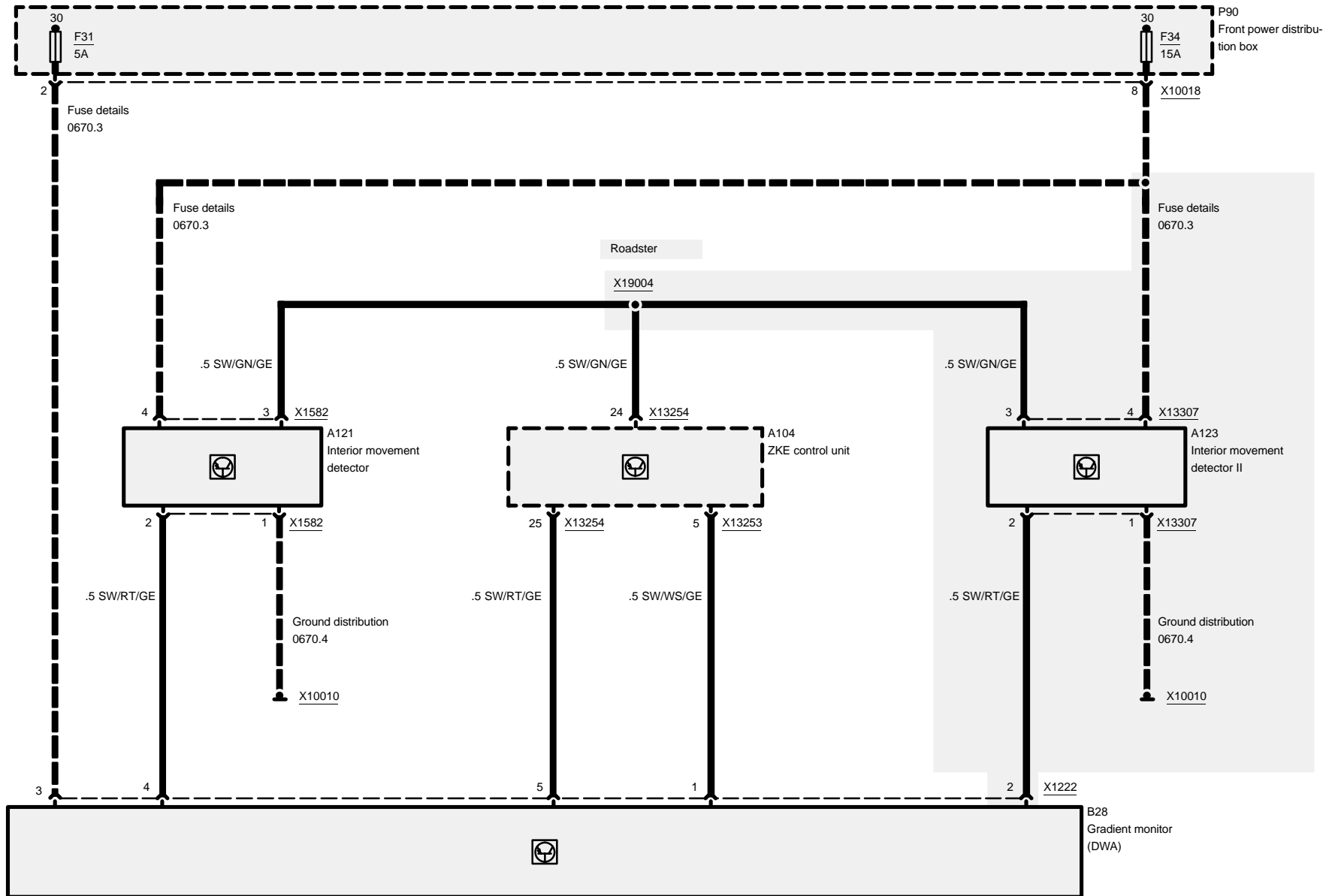




Central body electronics (ZKE IV)

DWA, tilt monitoring, interior movement detector

Z3

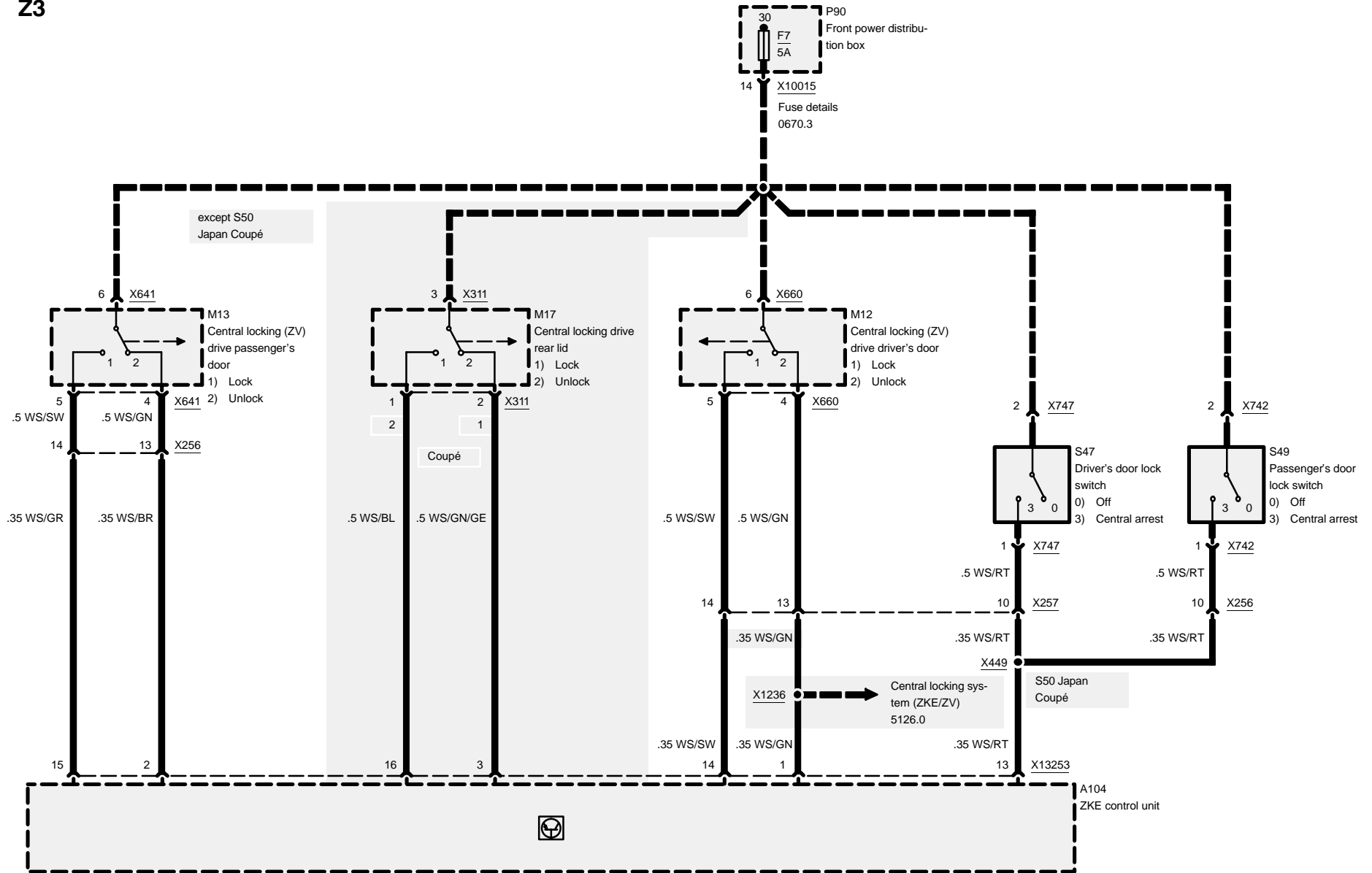




Z3

Central body electronics (ZKE IV)

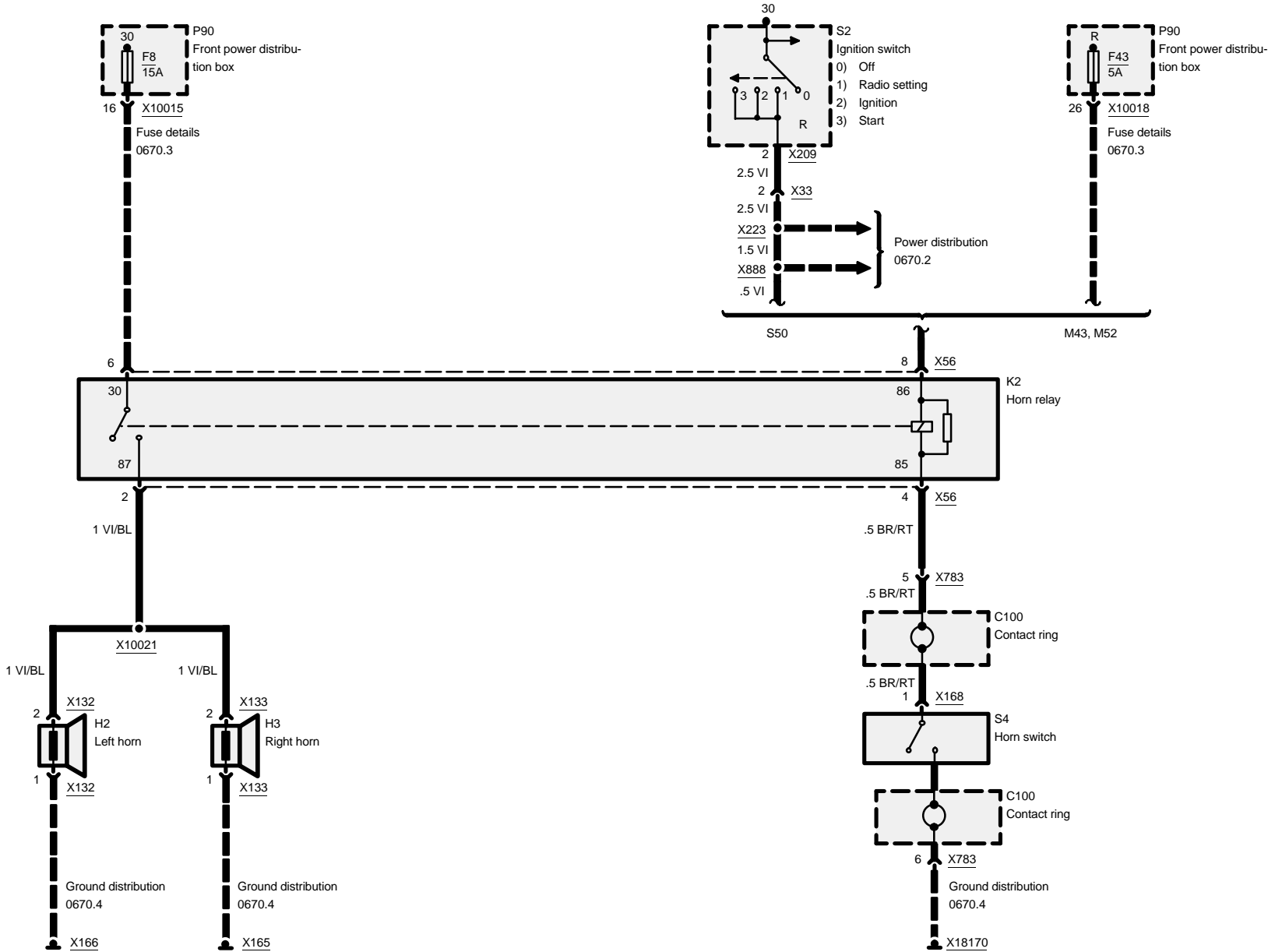
DWA input signal rear lid, driver's door and front passenger's door





6133.0 Horn

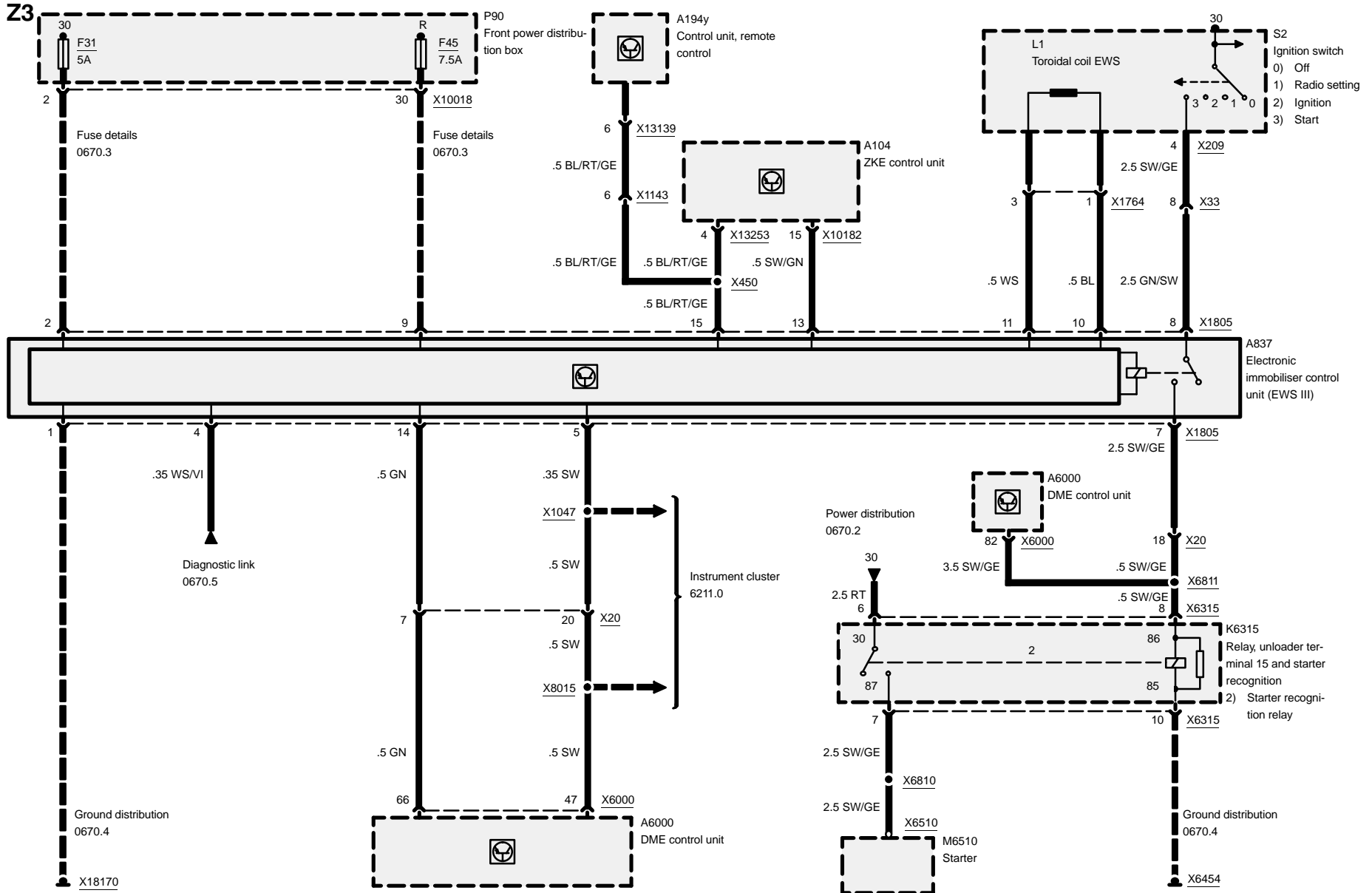
Z3





6135.1 Electronic immobilizer (EWS III)

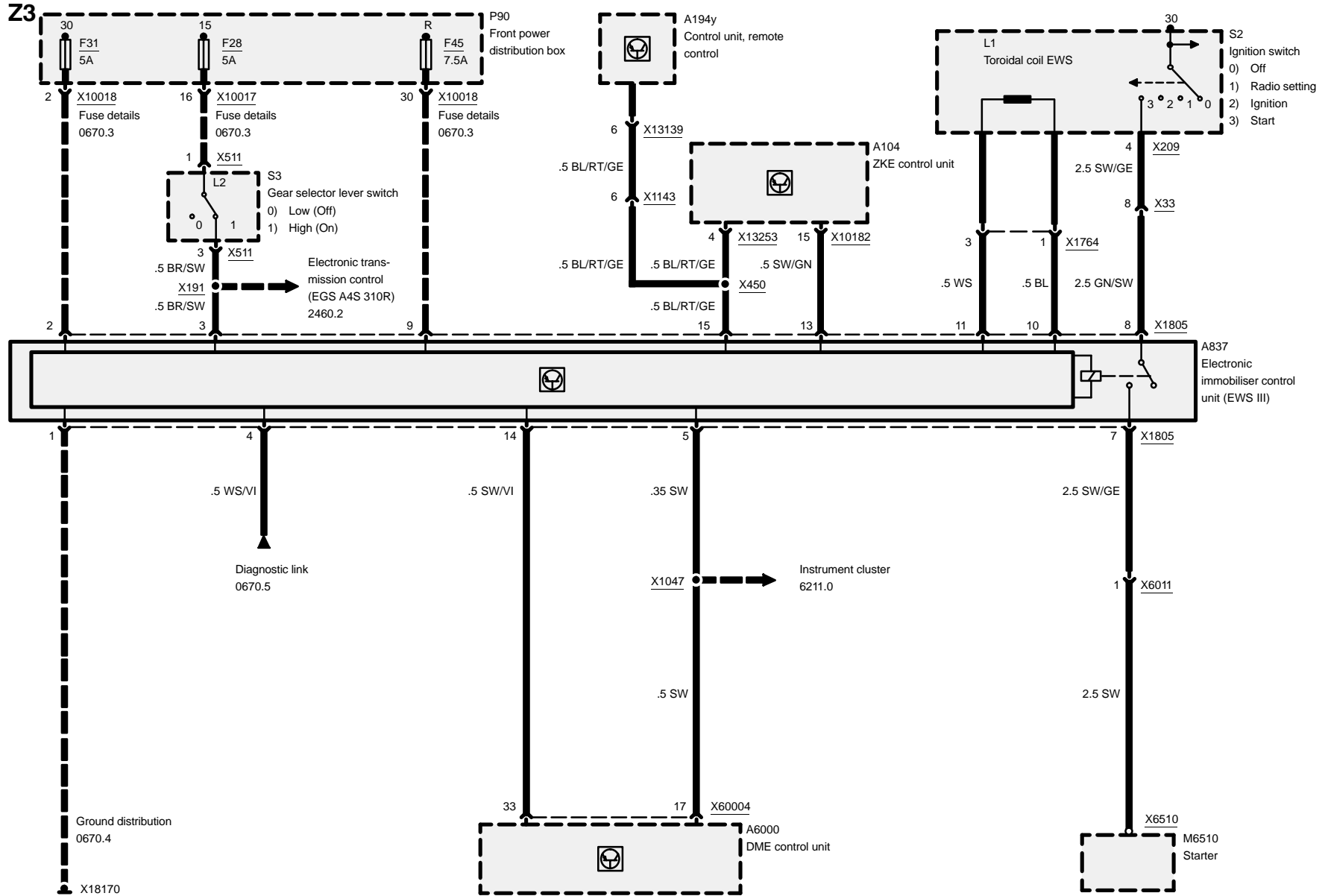
S50





Electronic immobilizer (EWS III)

M43, M52 Right-hand drive

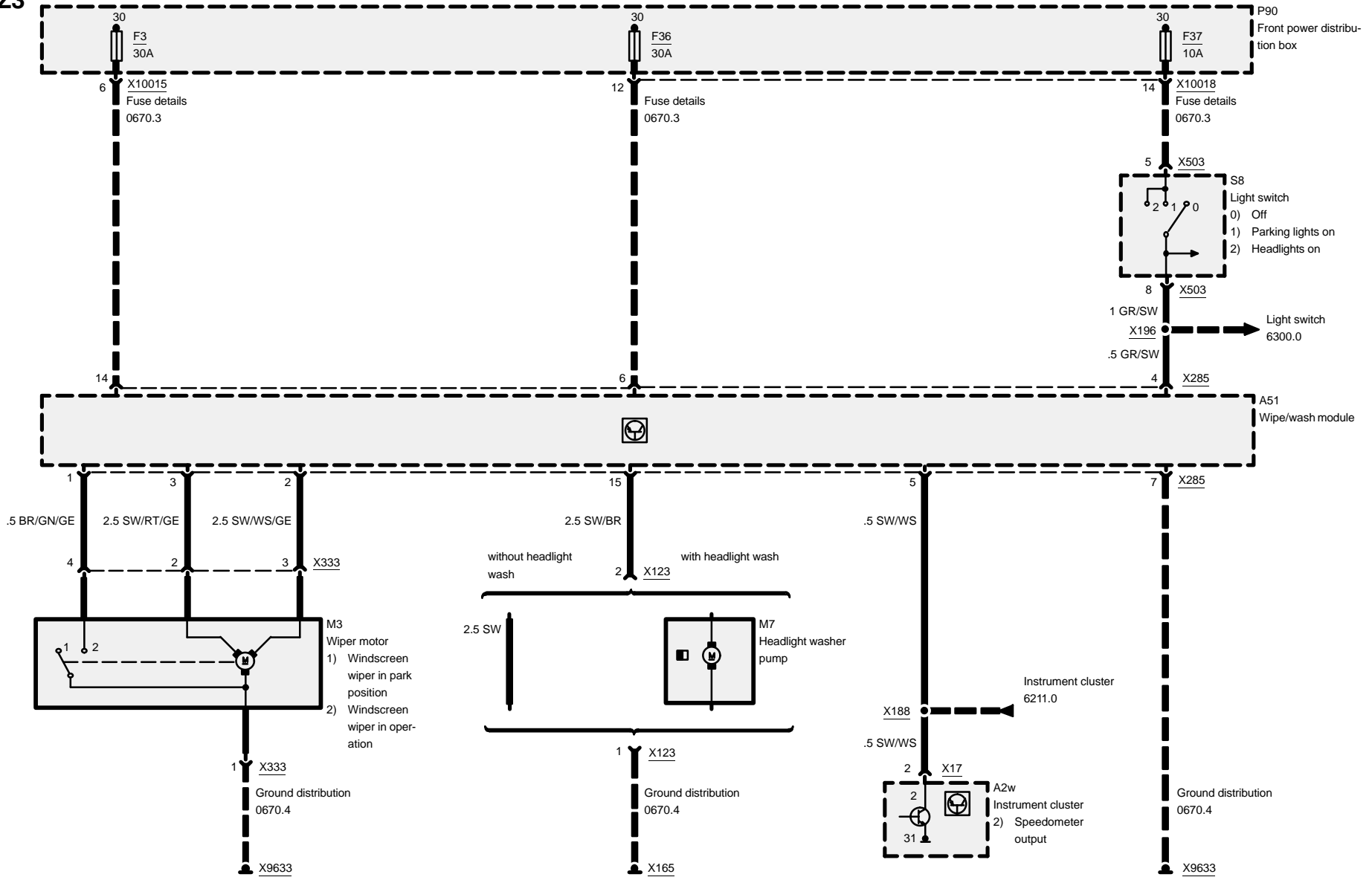




6160.1 Wipe/wash module (WWM)

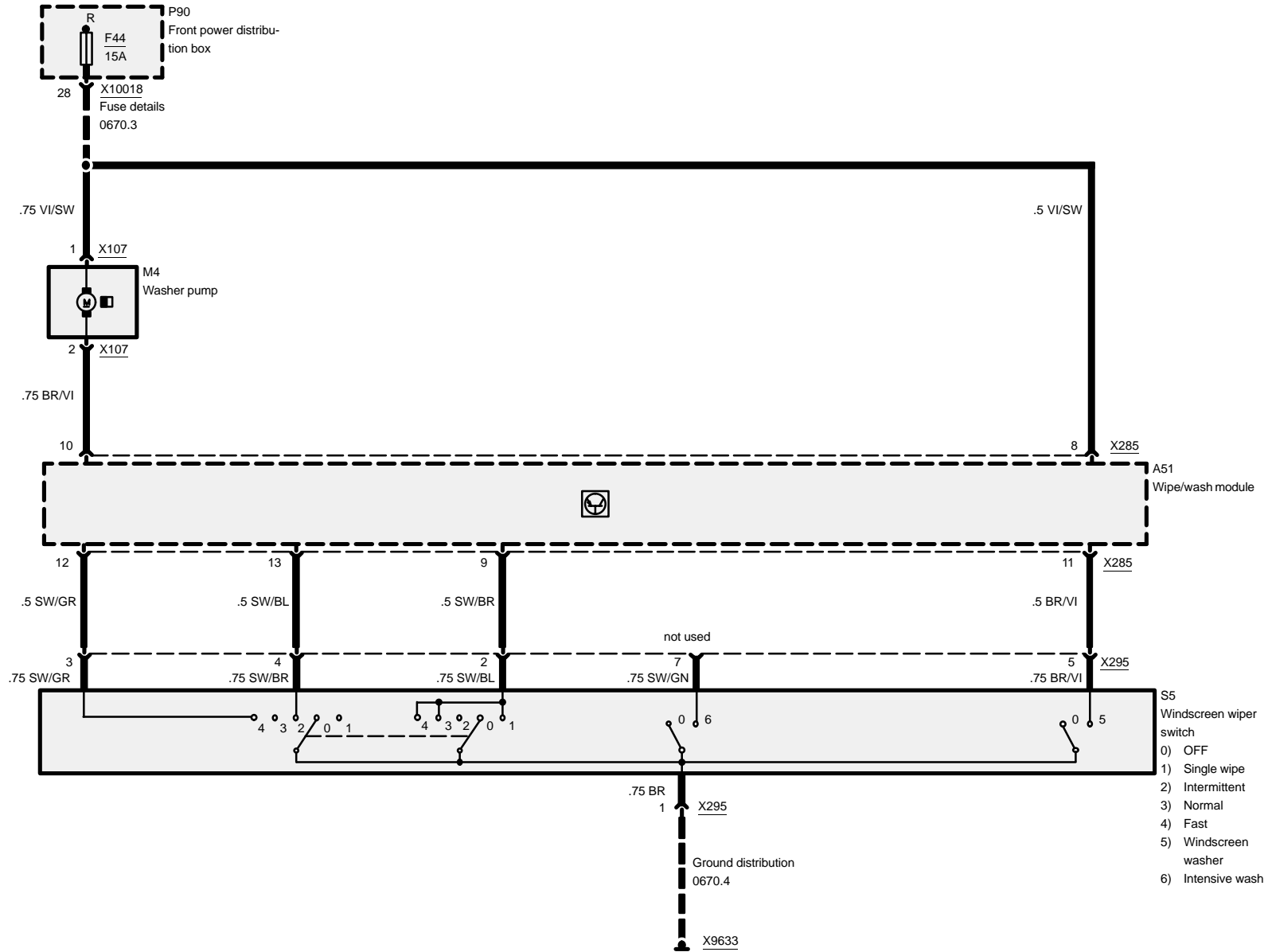
Wiper - High

Z3



Wipe/wash module (WWM)

Washer – High

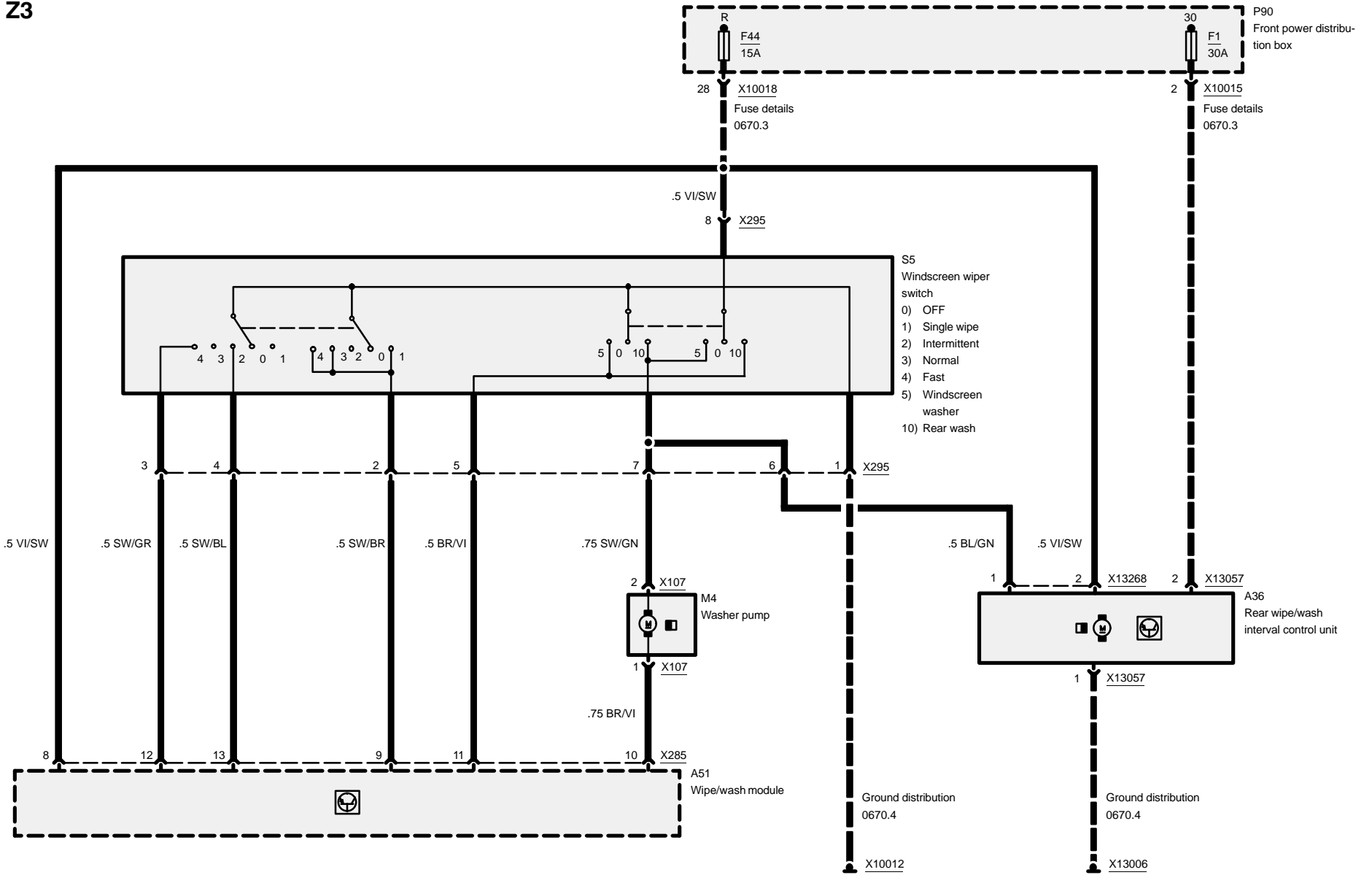




Wipe/wash module (WWM)

Washer – High

Z3

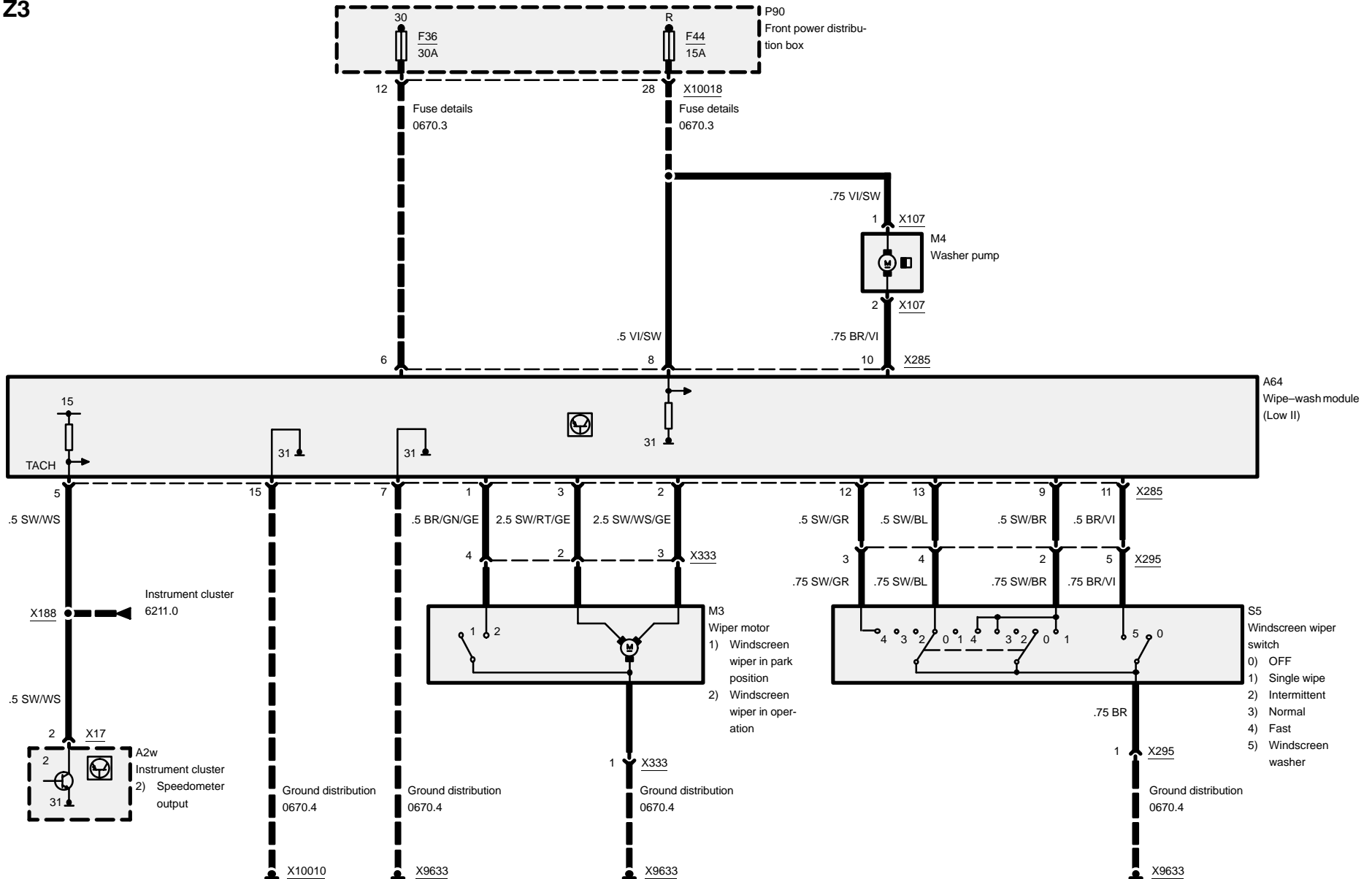




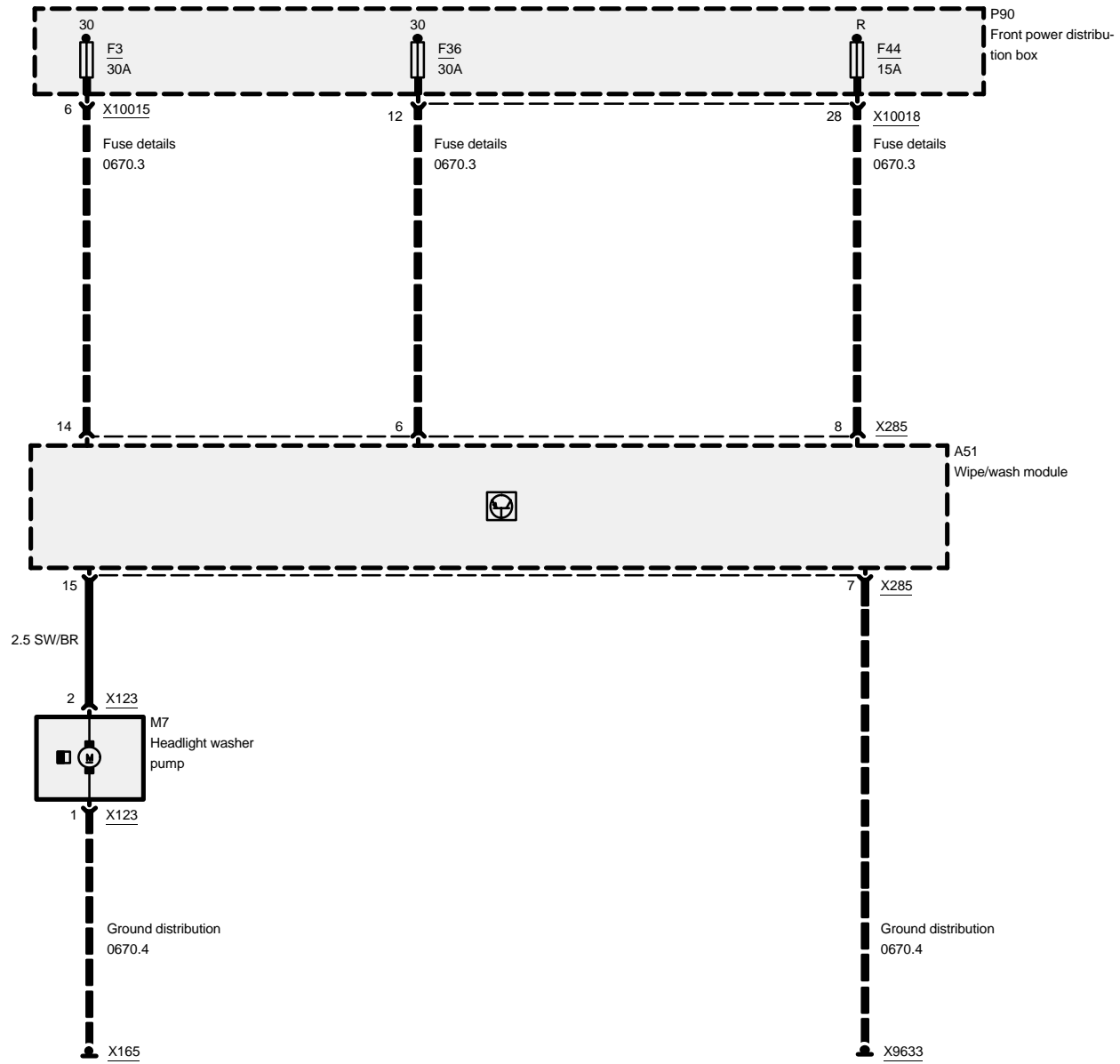
Wipe/wash module (WWM)

Washer – Low

Z3

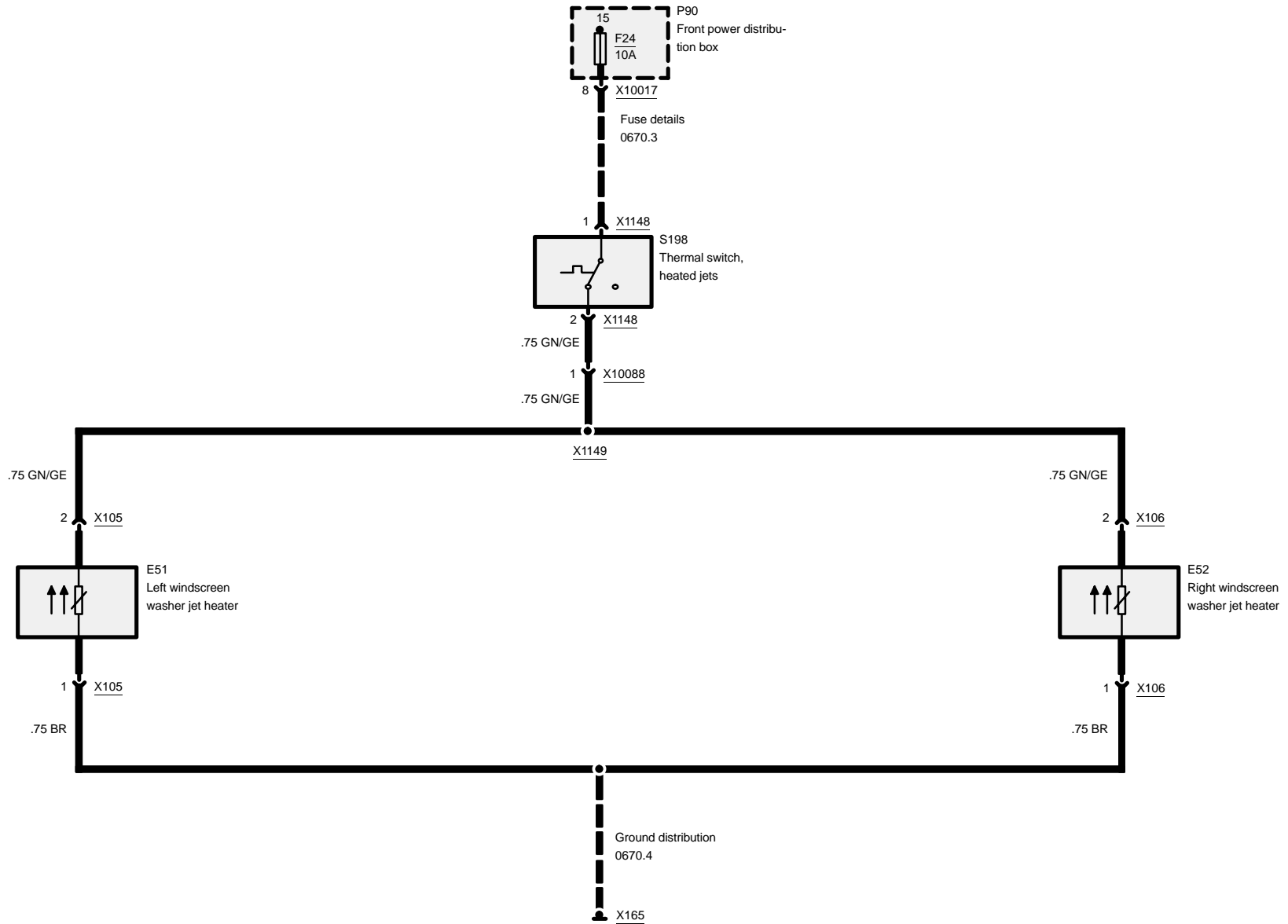


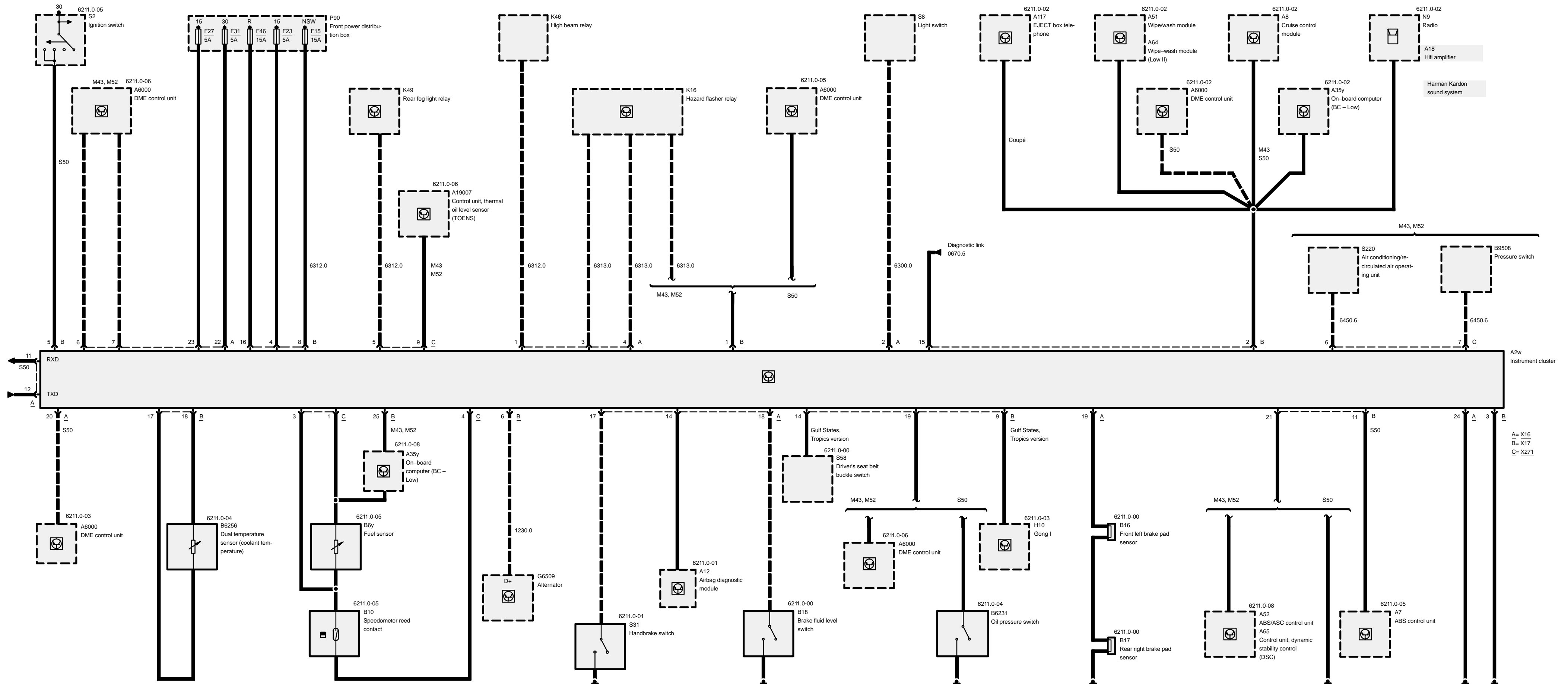
6167.1 Headlight washer system (SRA)





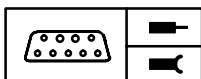
6169.0 Windscreen washer jet heaters







Z3



Pin assignments

K=X16	26-pin, white
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L=X17	26-pin, blue
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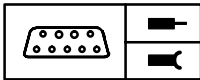
M=X271	12-pin, black
--------	---------------

X16

Pin	Type	Description/Function	Connection
1	E	Indicator light, high beam	High beam relay
2	E	Terminal 58g, instrument panel lights	Dimmer
3	E	Indicator lamp, turn signal indicator, right	Hazard warning light relay
4	E	Indicator lamp, turn signal indicator, left	Hazard warning light relay
5		Not used	
6	E/A	CAN+	ABS/ASC/ DME control unit (M43, M52)
7	E/A	CAN-	ABS/ASC/ DME control unit (M43, M52)
8		Not used	
9		Not used	
10		Not used	
11	A	RxD diagnostic link	Diagnosis plug (S50)
12	E/A	TxD diagnostic data link	Diagnostic connector
13		Not used	
14	E	Warning light, airbag	Airbag control unit
15		Not used	
16		Not used	
17	E	Warning light, handbrake	Handbrake switch
18	E	Warning light, brake fluid	Brake fluid level switch
19	E	Warning lamp, brake pad wear	Brake pad sensor, front left
20	E	TD signal (rpm signal)	DME control unit (S50)
21		Not used	
22	E	Terminal 30	Fuse 31
23	E	Terminal 15/voltage supply for indicator and warning lamps	Fuse 27
24	M	Terminal 31/ground supply for instrument cluster electronics	Ground
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground

Z3



Pin assignments

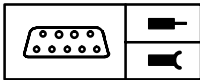
X17

Pin	Type	Description/Function	Connection
1	E	Indicator lamp, trailer turn signal indicator	Hazard warning relay (M43, M52)
1	E	Oil level	DME control unit (S50)
2	A	Speedometer A-signal	Various control units
3	M	Terminal 31/ground supply for indicator and warning lamps	Ground
4	E	Terminal 15/voltage supply for instrument cluster electronics	Fuse 23
5	E	Terminal 15/power supply for battery charge indicator lamp	Ignition starter switch (S50)
6	E	Terminal 61/power supply for battery charge indicator lamp	Alternator
7		Not used	
8	E	Indicator lamp front fog light	Front power distribution box, Fuse 15
9	A	Acoustic output/acoustic warning signal	Acoustic sensor (gong)
10		Not used	
11	E	Warning lamp, antilock brake system (ABS)	ABS control unit (S50)
12		Not used	
13		Not used	
14	E	Warning lamp, belt warning	Seat belt contact (Gulf States, Tropics)
15	E	SIA reset/service interval indicator reset	Diagnosis socket
16	E	Terminal R	Fuse 46
17	E	Coolant temperature sensor –	Coolant temperature sensor (S50)
18	E	Coolant temperature sensor +	Coolant temperature sensor (S50)
19	E	Warning light, oil pressure	Oil pressure switch (S50) DME control unit (M43, M52)
20		Not used	
21	M	Ground	Ground connection (S50)
21	E	Warning lamp, antilock brake system (ABS)	ABS/ASC control unit (M43, M52)
22		Not used	
23		Not used	
24		Not used	
25	A	Consumption signal (TI)	On-board computer (BC-Low) (M43, M52)

E = Input, A = Output, M = Ground



Z3



Pin assignments

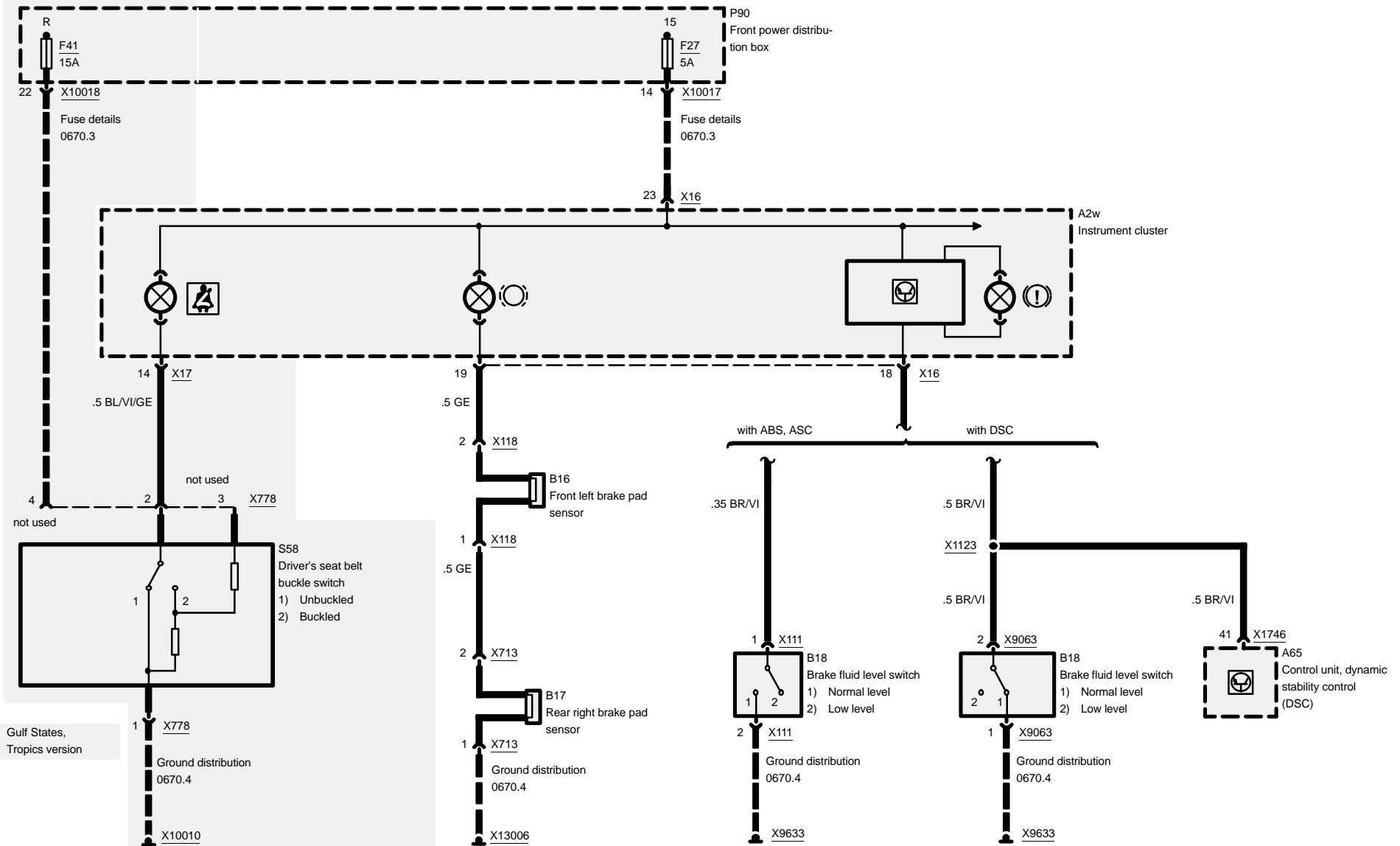
X271

Pin	Type	Description/Function	Connection
1	A	Fuel tank sensor/fuel level sensor	Fuel tank sensor
2		Not used	
3	M	Ground, terminal 31b	Fuel tank sensor, position signal generator (reed contact)
4	E	Position signal TW	Position signal generator (reed contact)
5	E	Indicator lamp, rear fog light	Rear fog light relay
6	E	Air conditioning ON signal	A/C operating unit (M43, M52)
7	E	Compressor request signal	Pressure switch (M43, M52)
8		Not used	
9	E	Oil level signal	Control unit, thermal oil level sensor (TOENS) (M43, M52)
10		Not used	
11		Not used	
12		Not used	

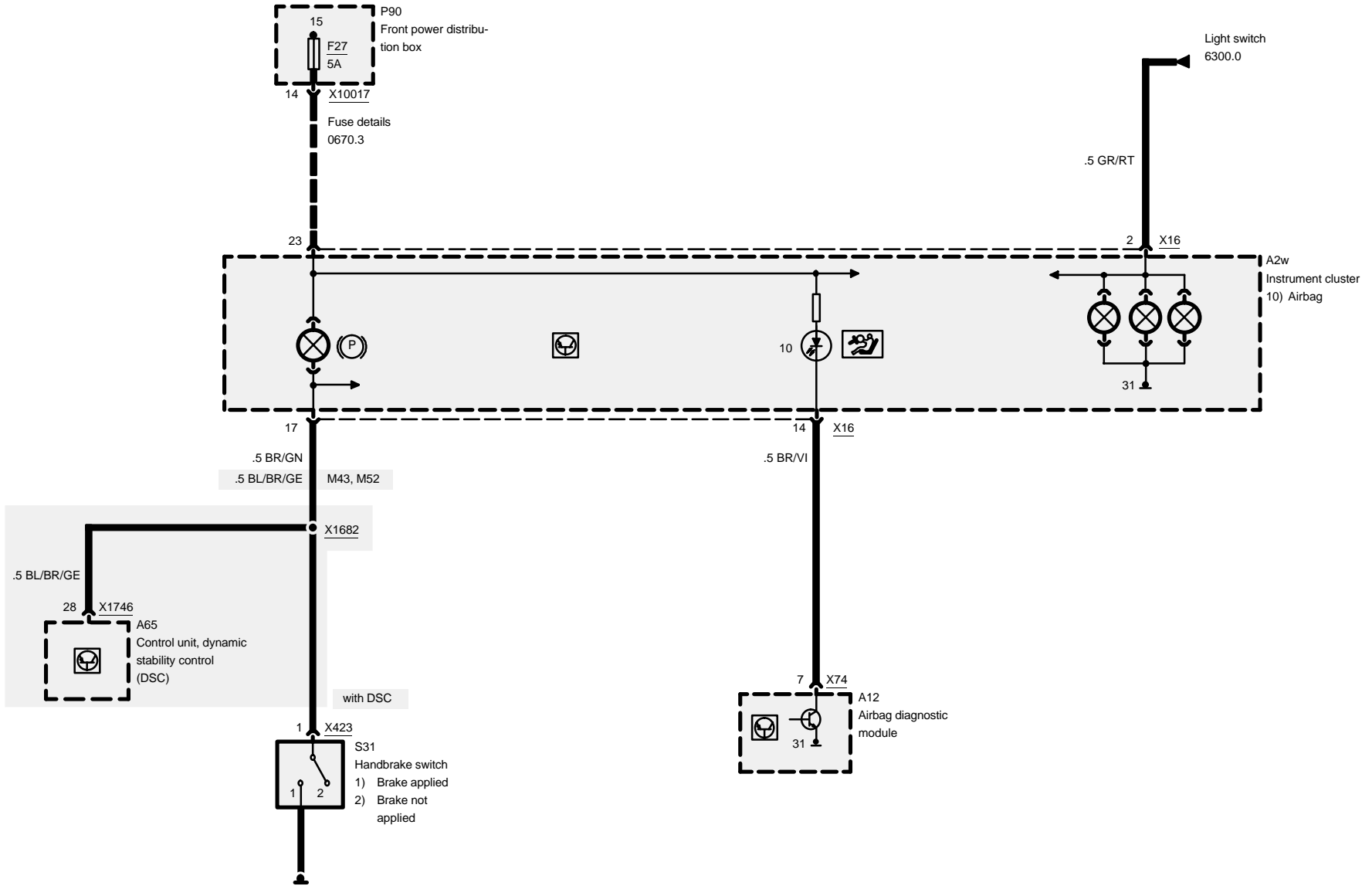


Instrument cluster

Z3



Instrument cluster

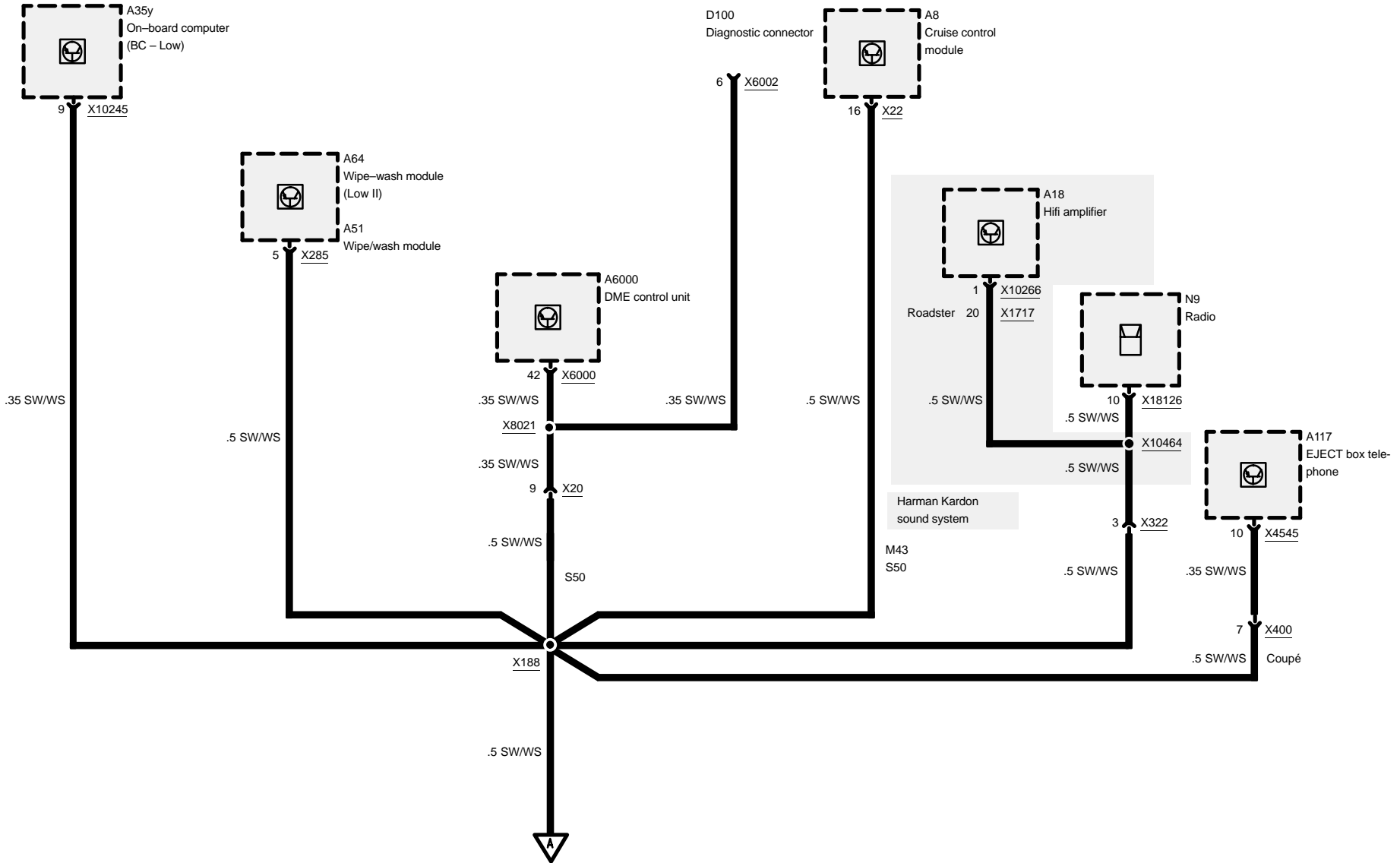




Instrument cluster

Speed output signal

Z3

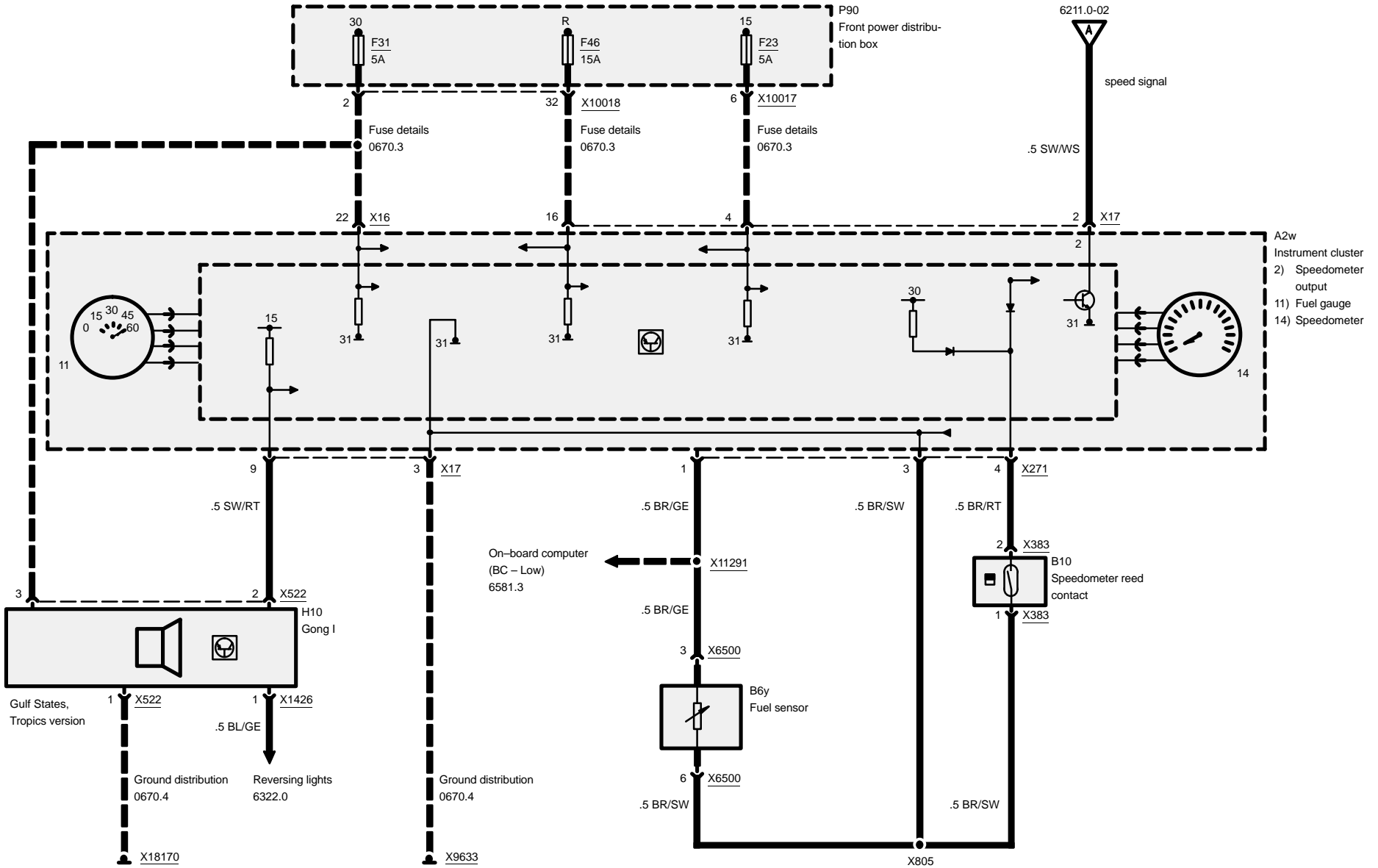


6211.0-03



Instrument cluster

Instrument cluster gauges

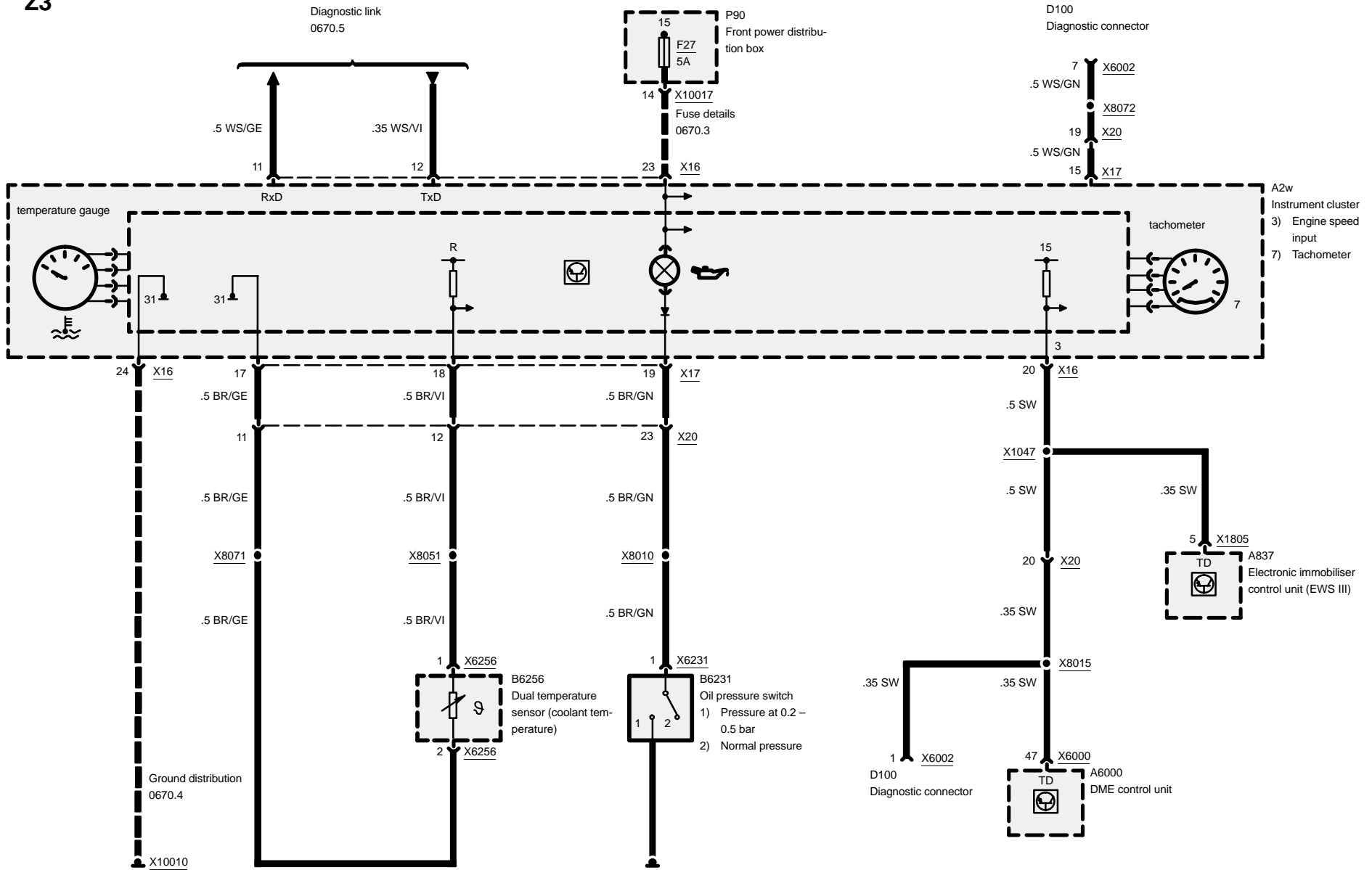




Instrument cluster

Instrument cluster gauges

S50



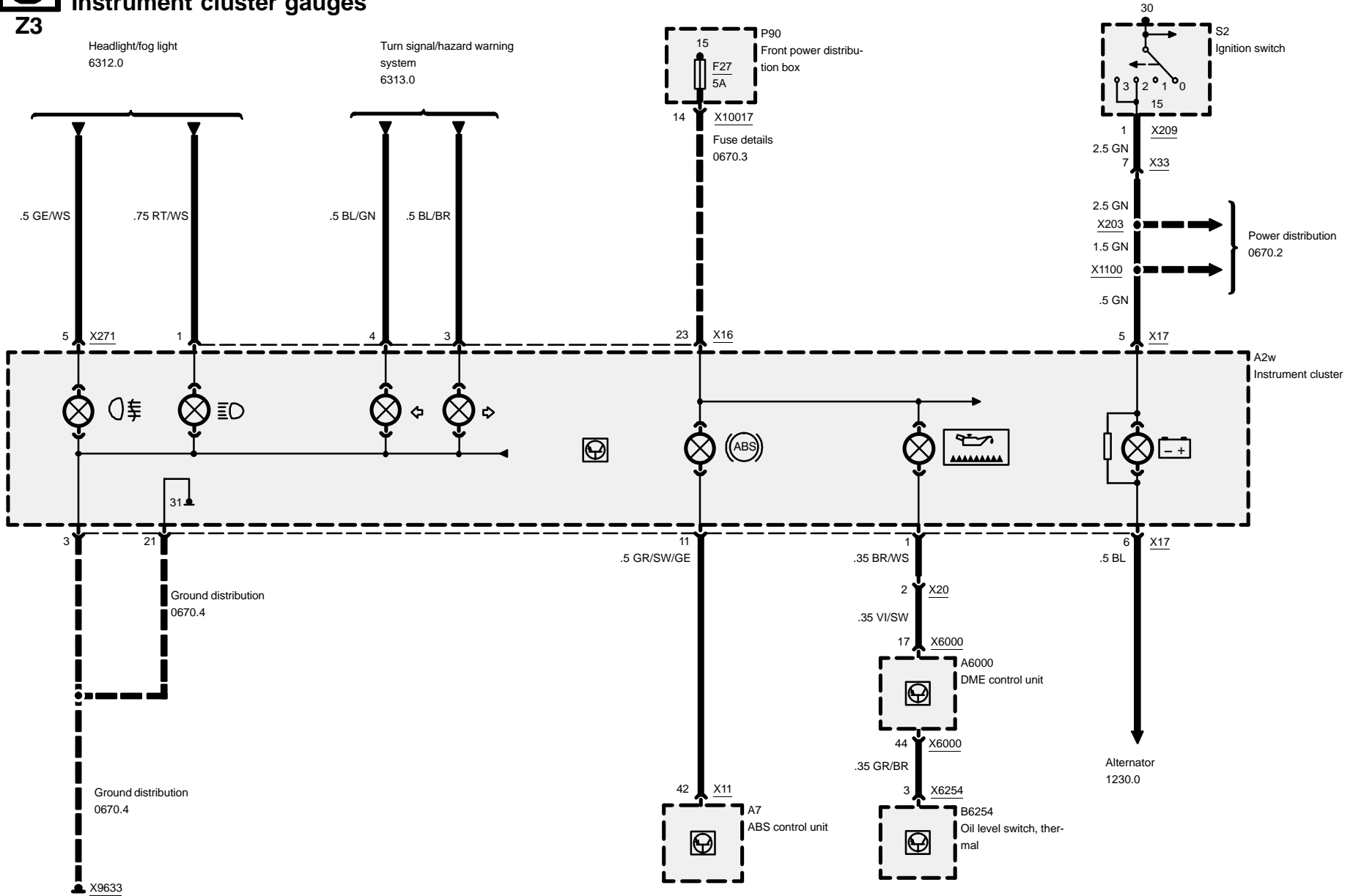


Instrument cluster

S50

Instrument cluster gauges

Z3



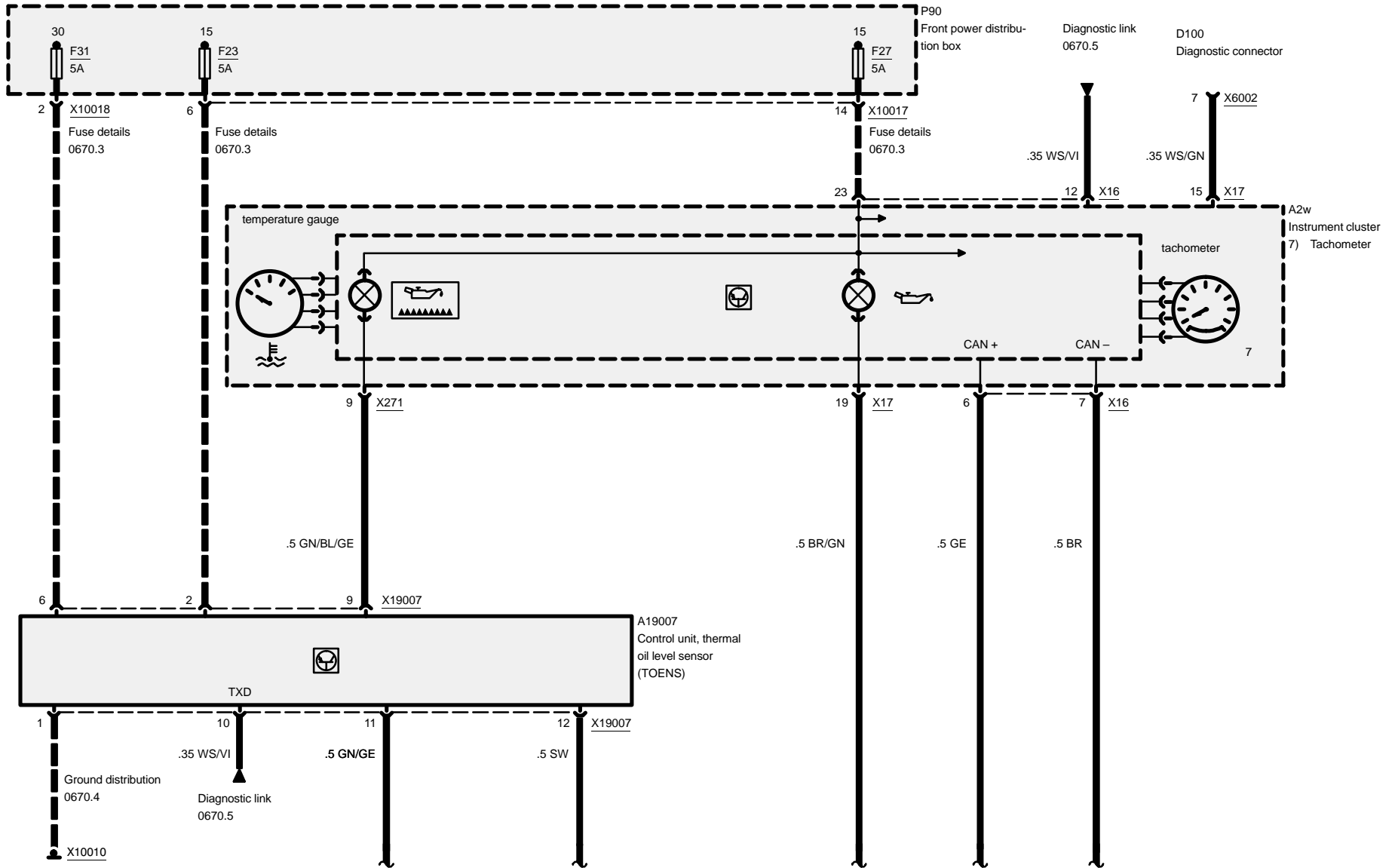


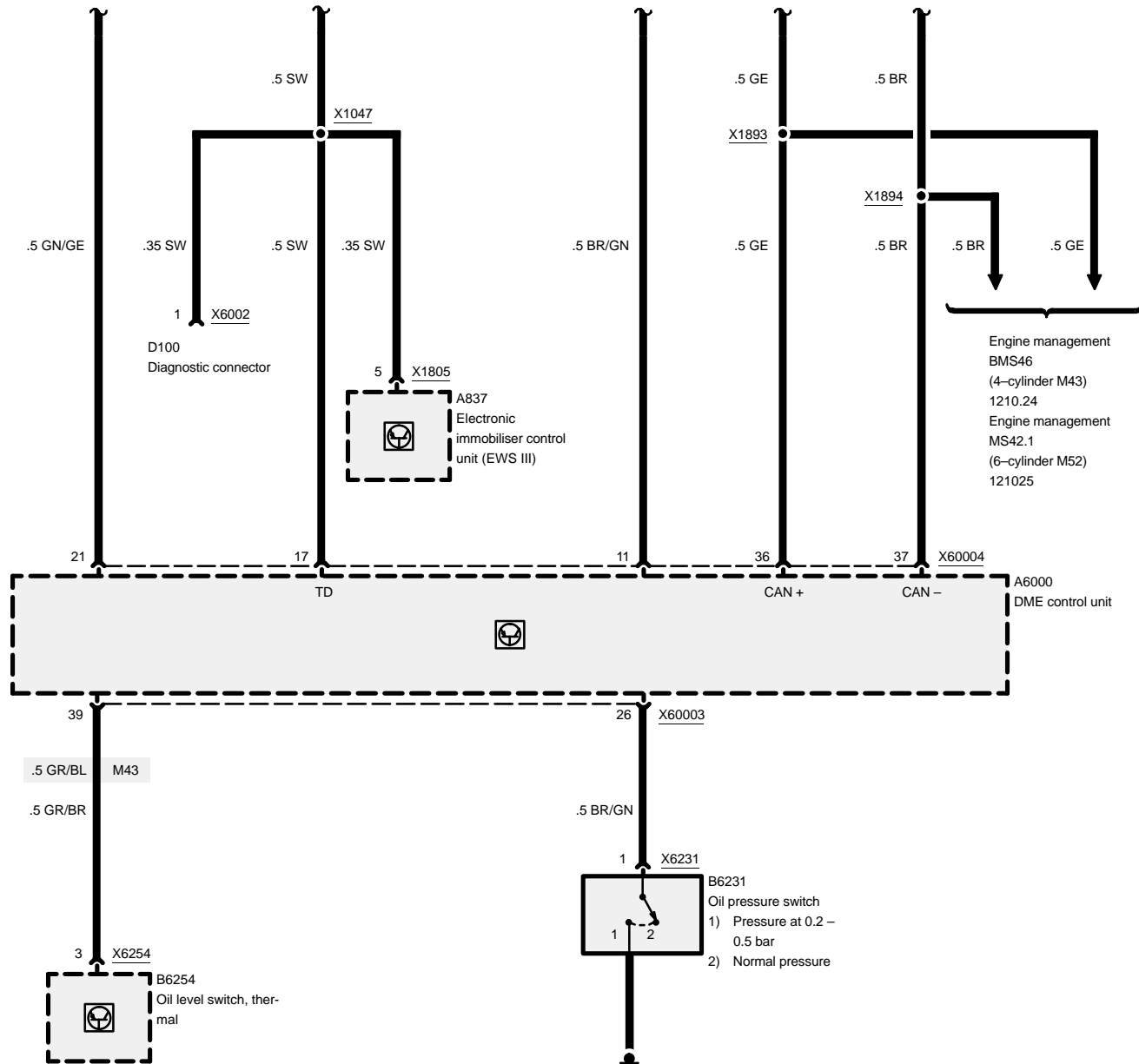
Instrument cluster

M43, M52

Instrument cluster gauges

Z3







Instrument cluster

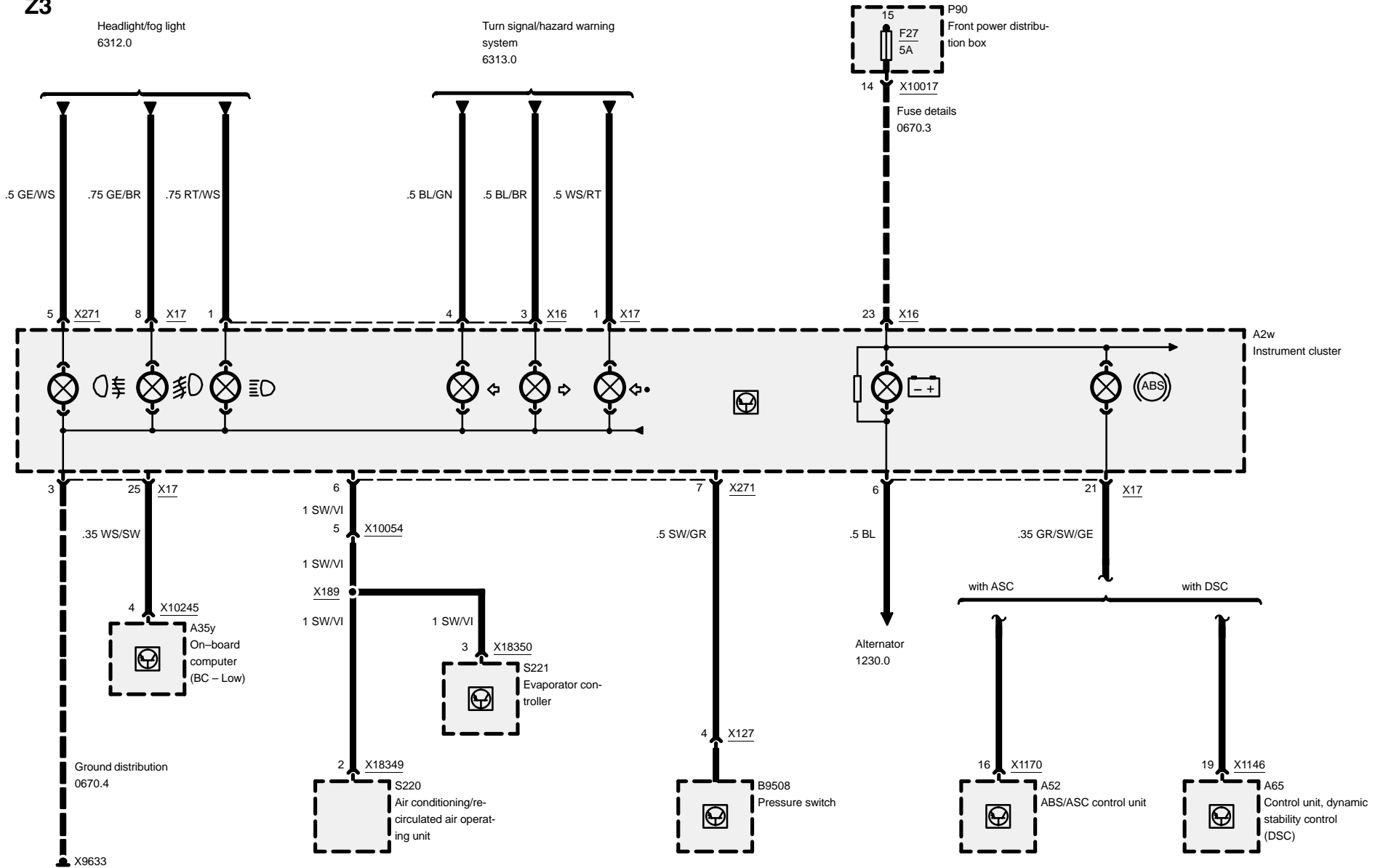
M43, M52

Instrument cluster gauges

Z3

Headlight/fog light
6312.0

Turn signal/hazard warning
system
6313.0



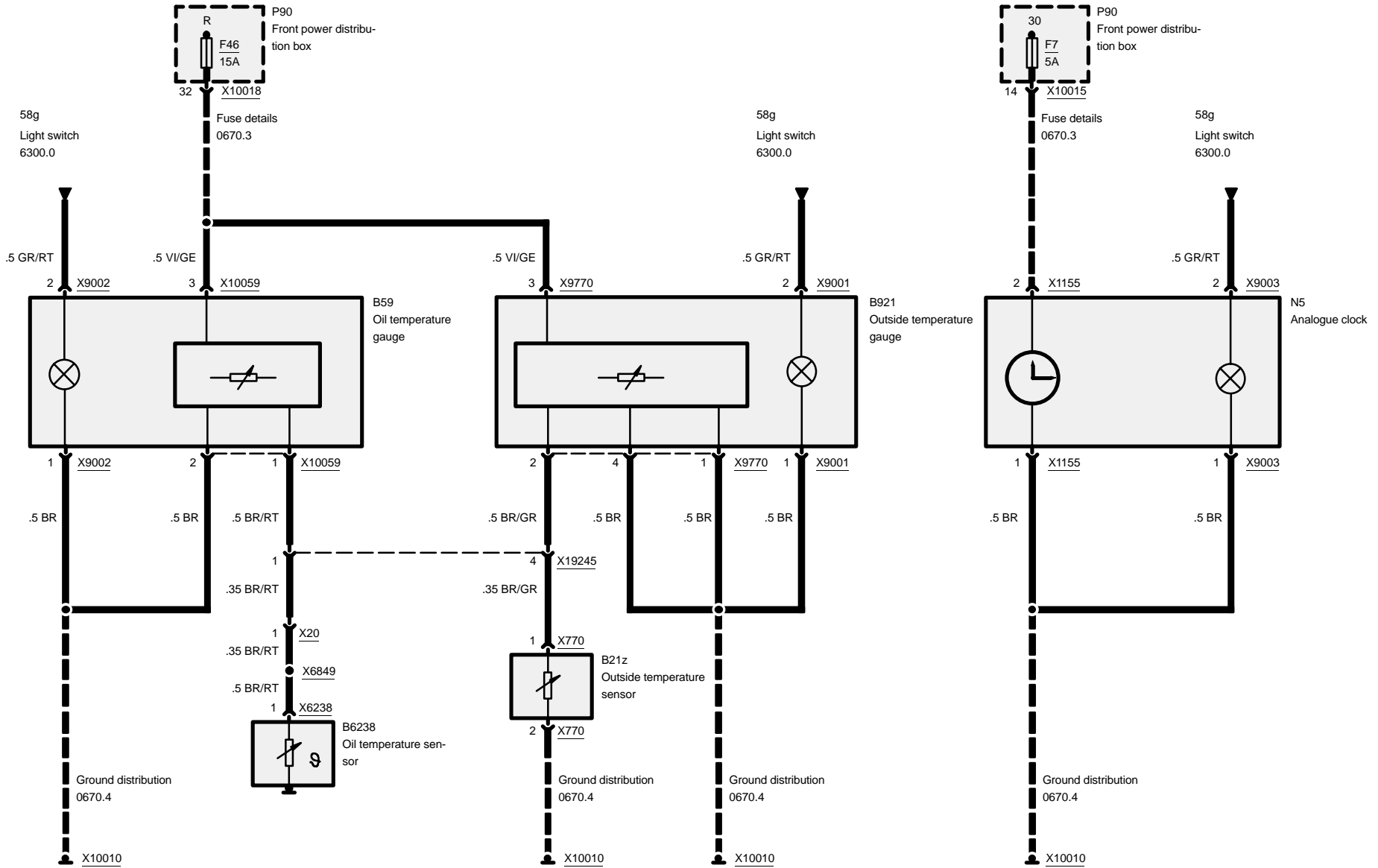


Instrument cluster

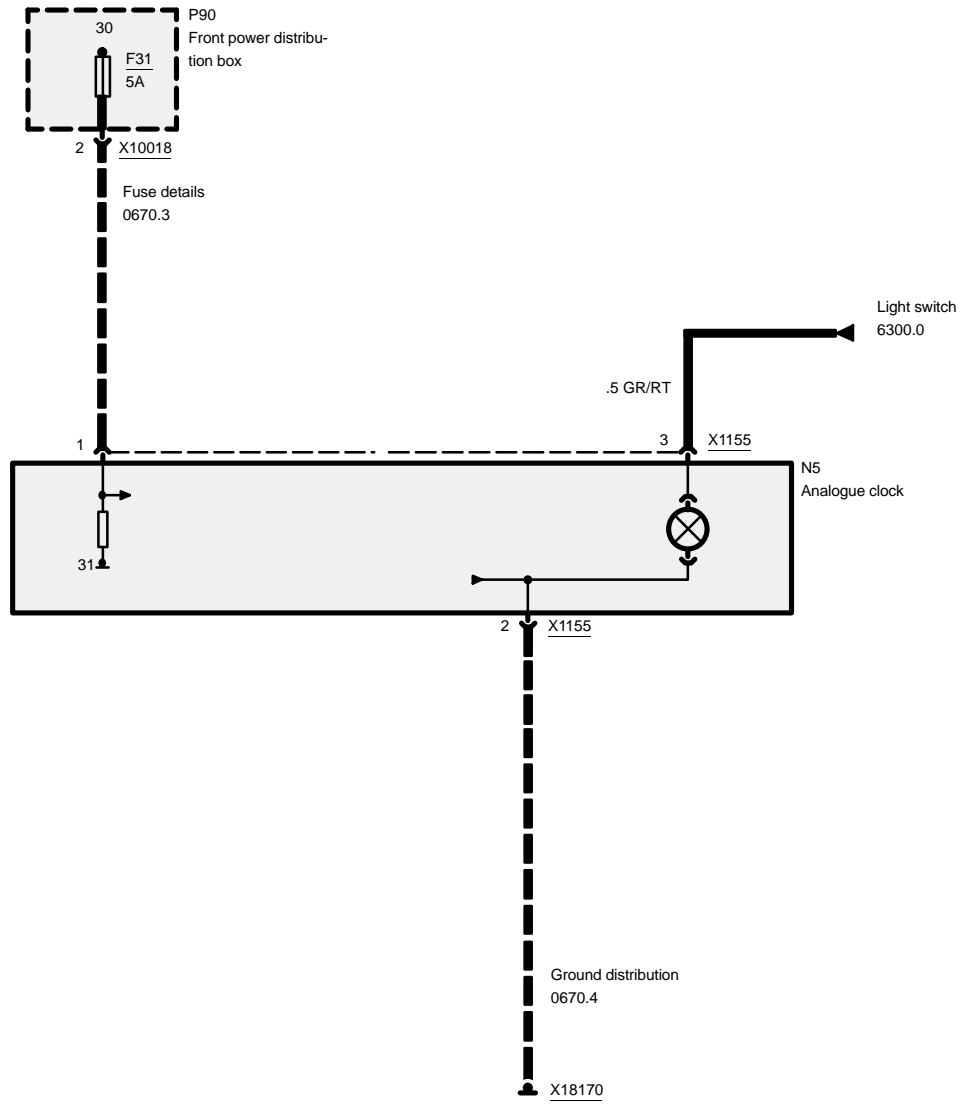
Console instruments

S50

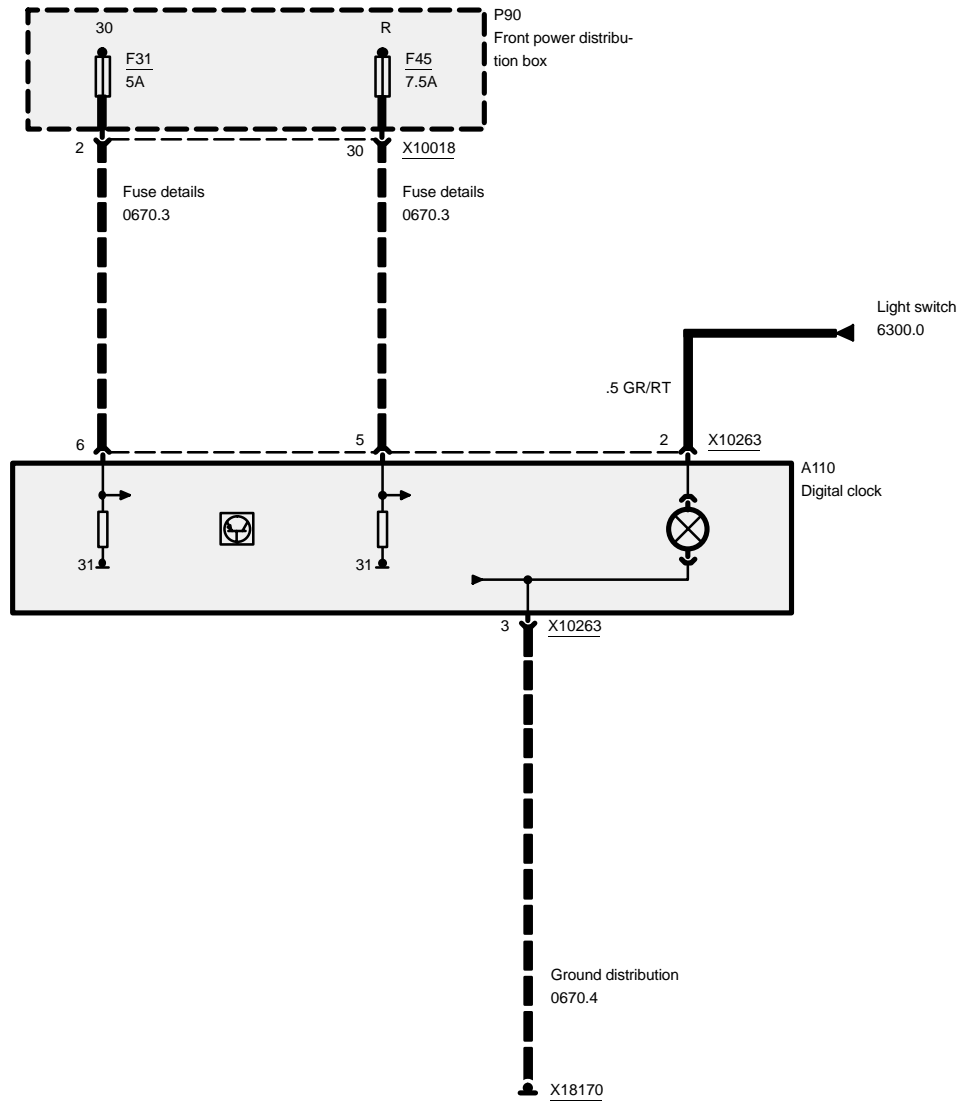
Z3



6213.1 Analogue clock



6213.3 Digital clock

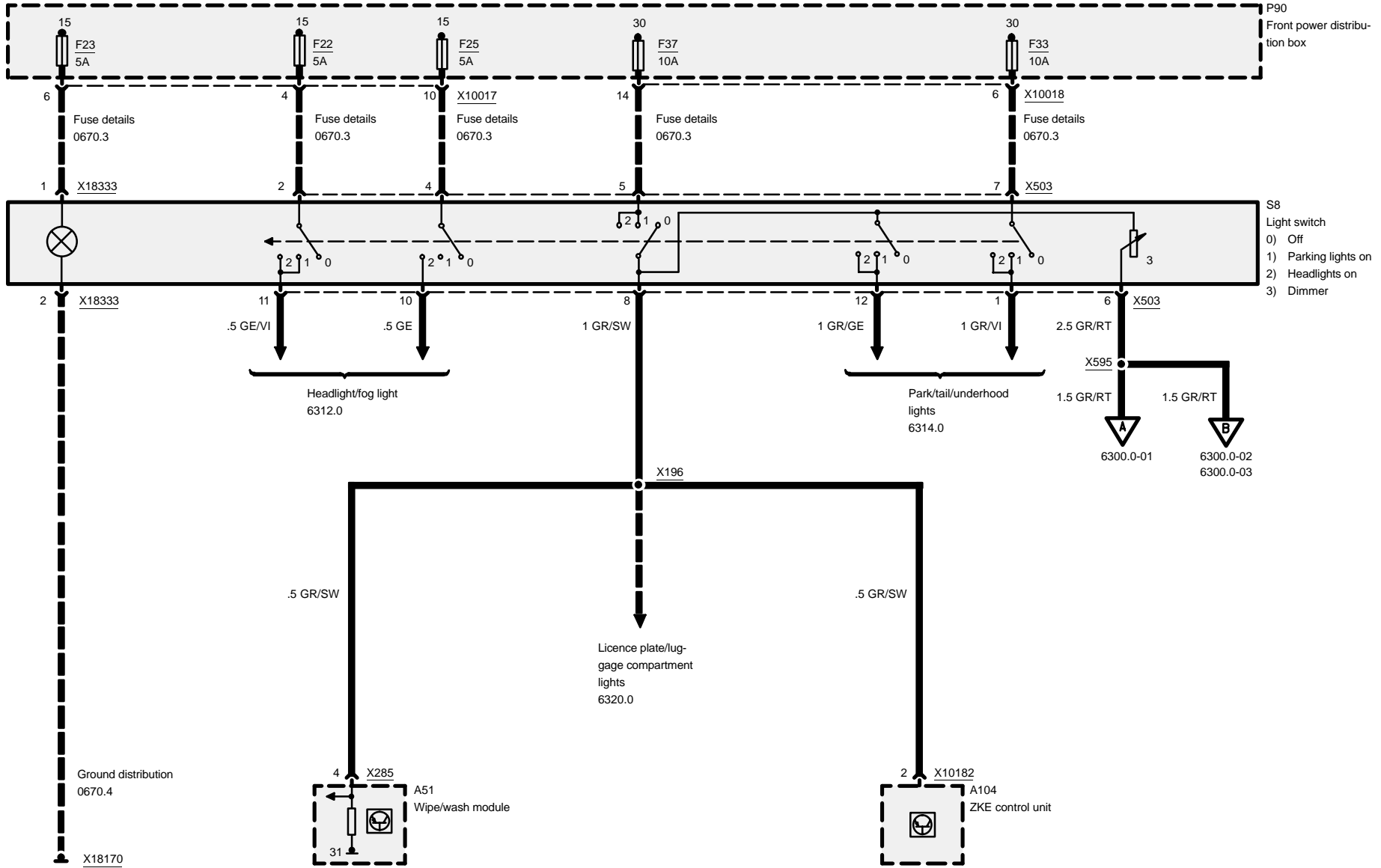




6300.0 Light switch

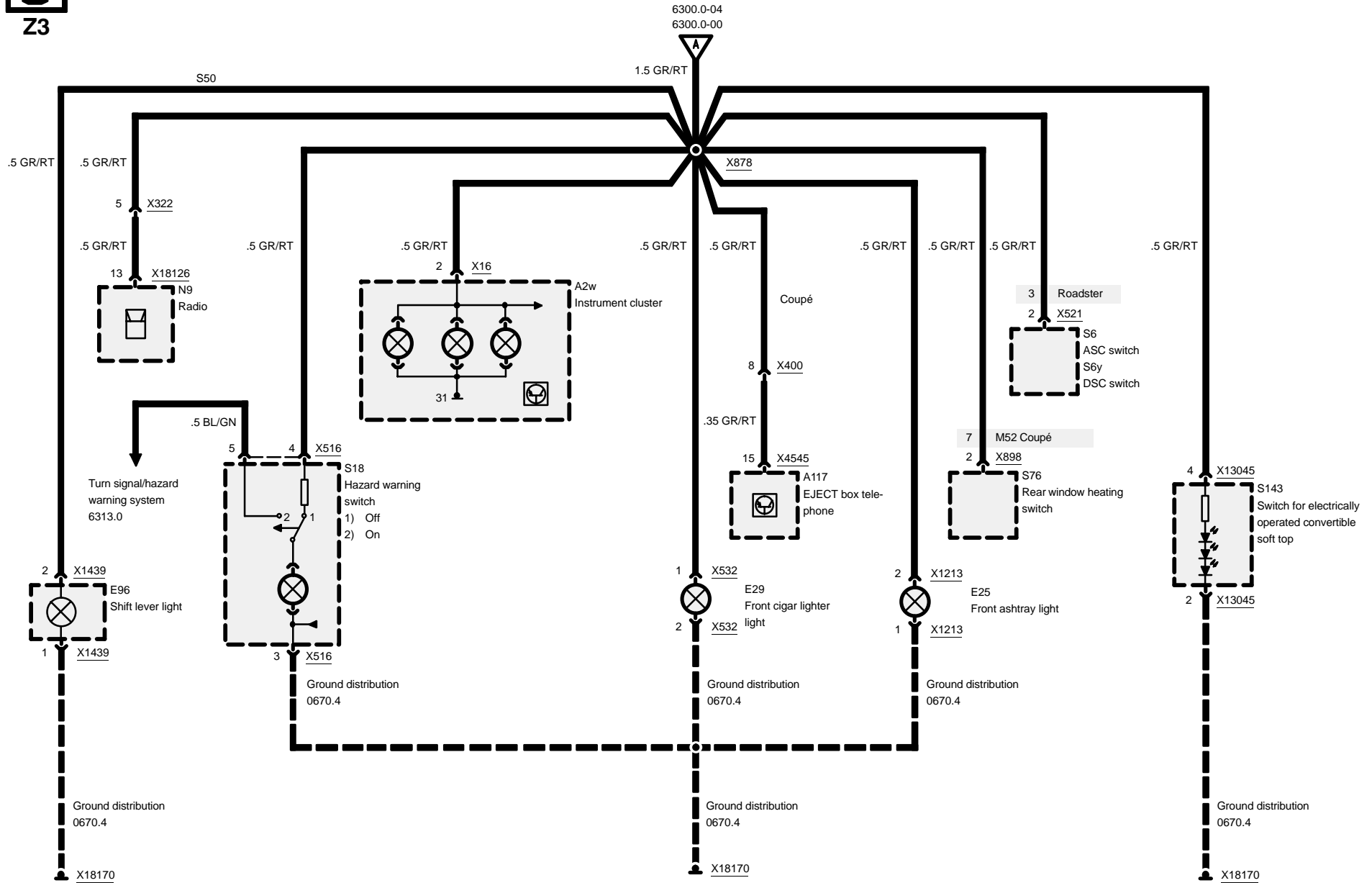


Z3

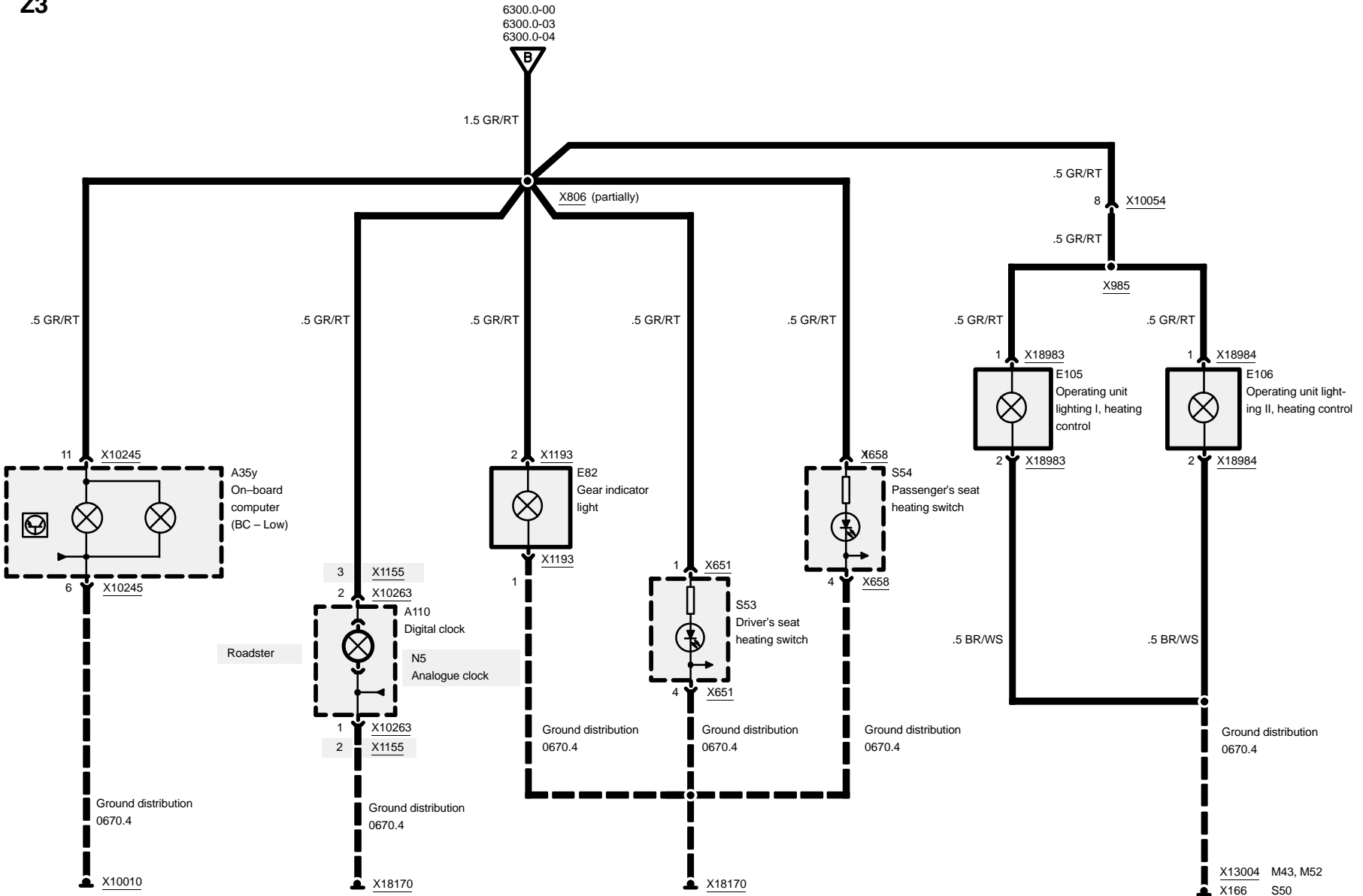




Light switch

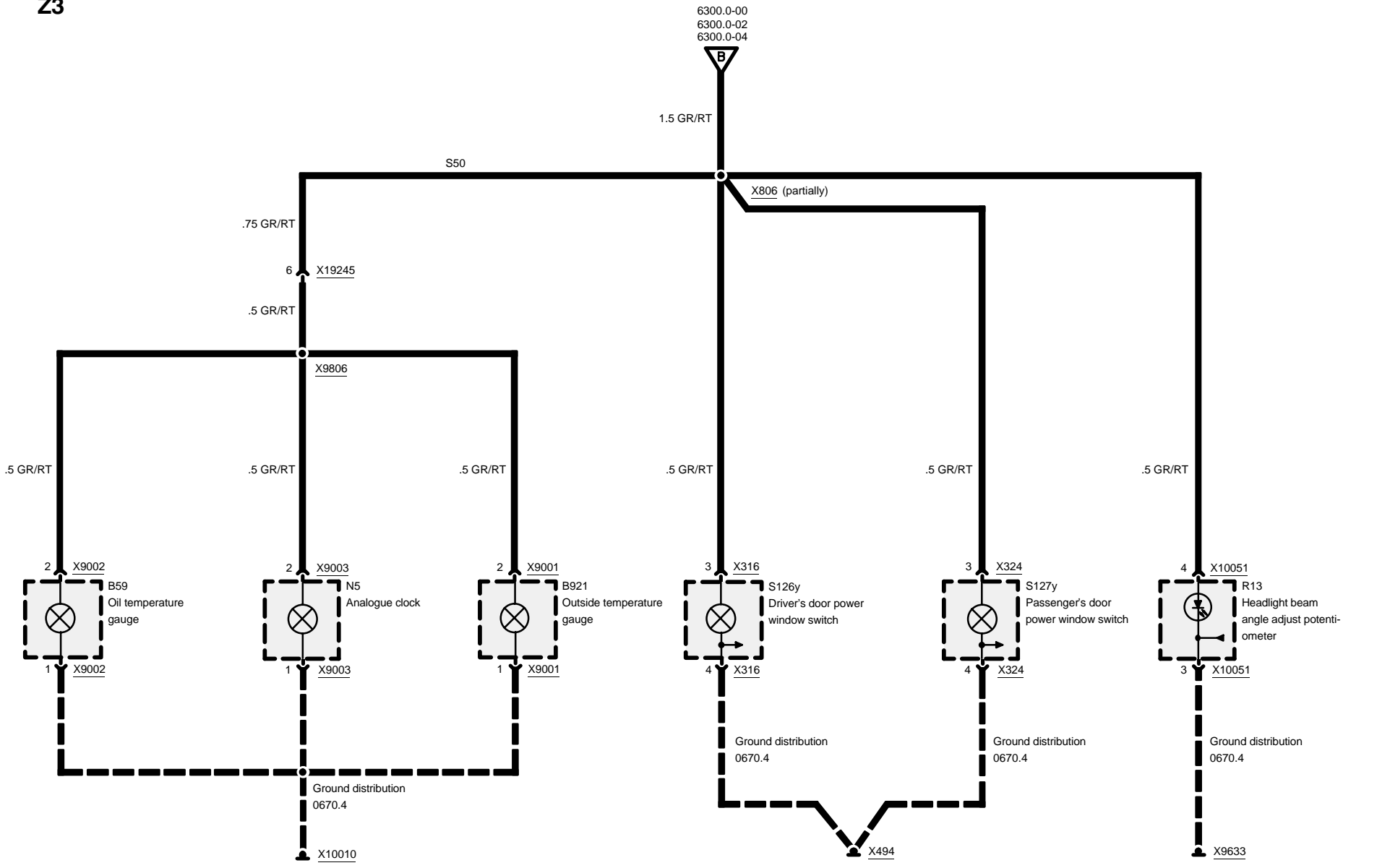


Light switch





Light switch

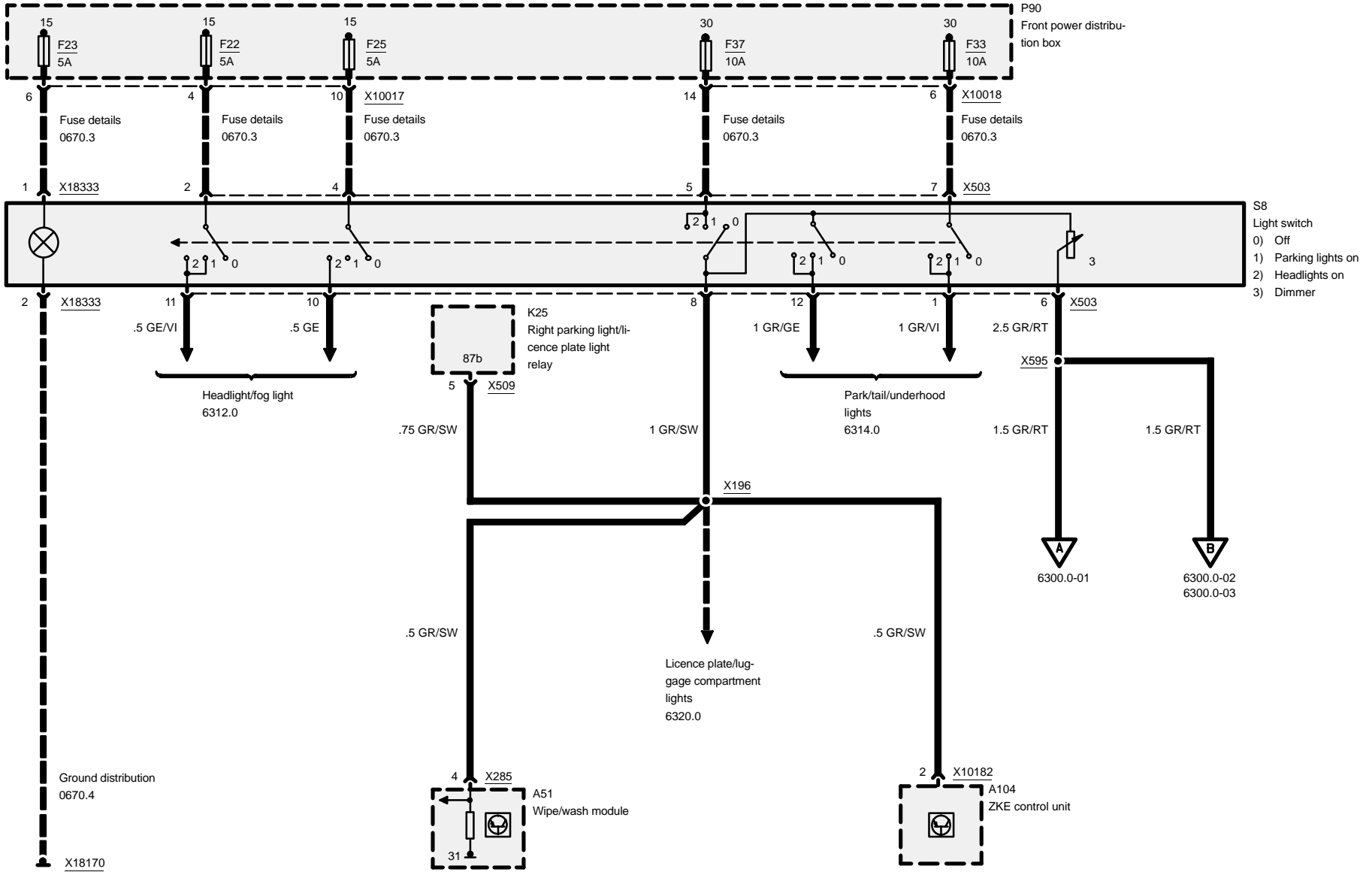




Light switch



Z3



10/99

6300.0-04

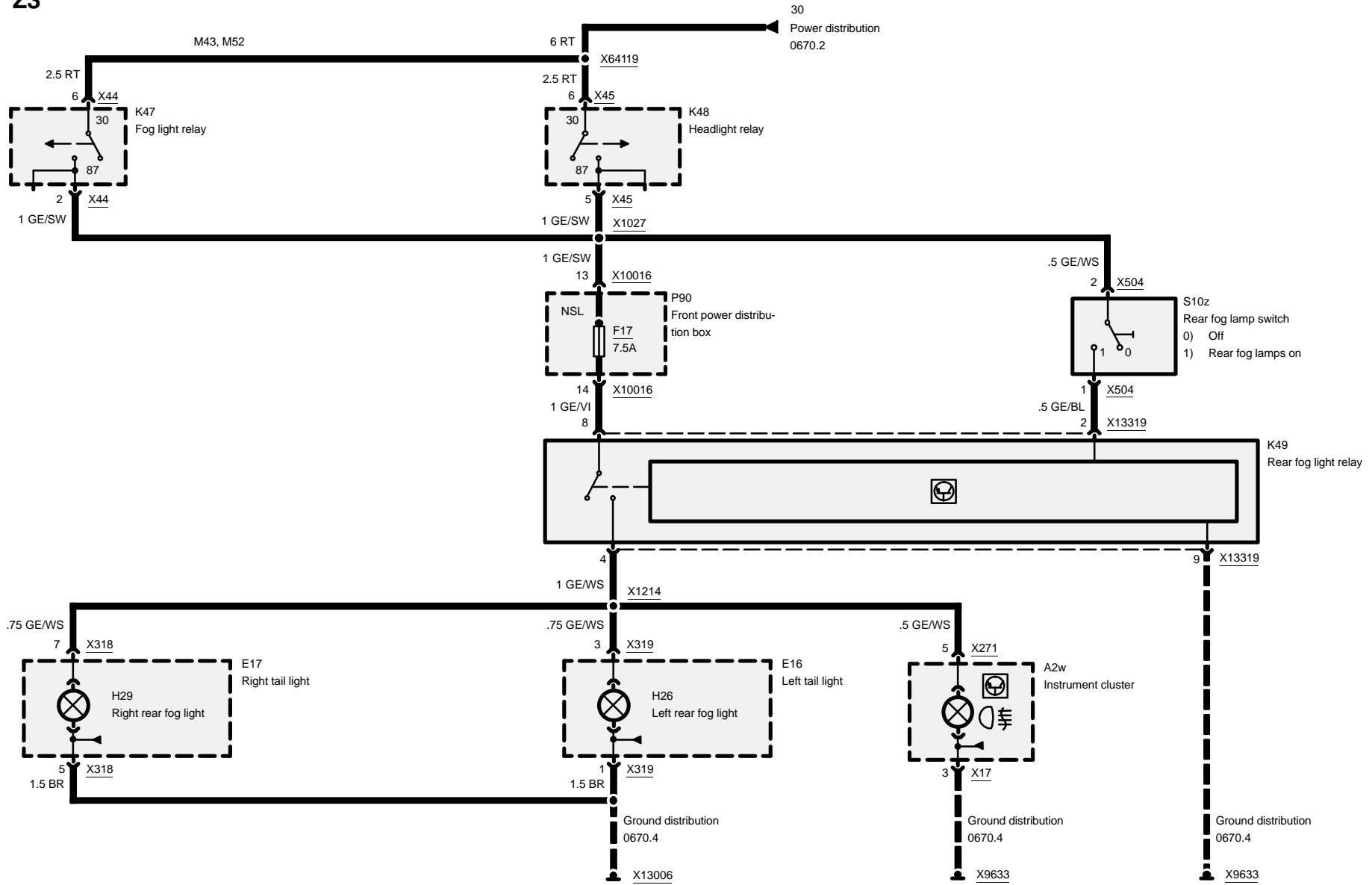
2000



6312.0 Headlight/fog light

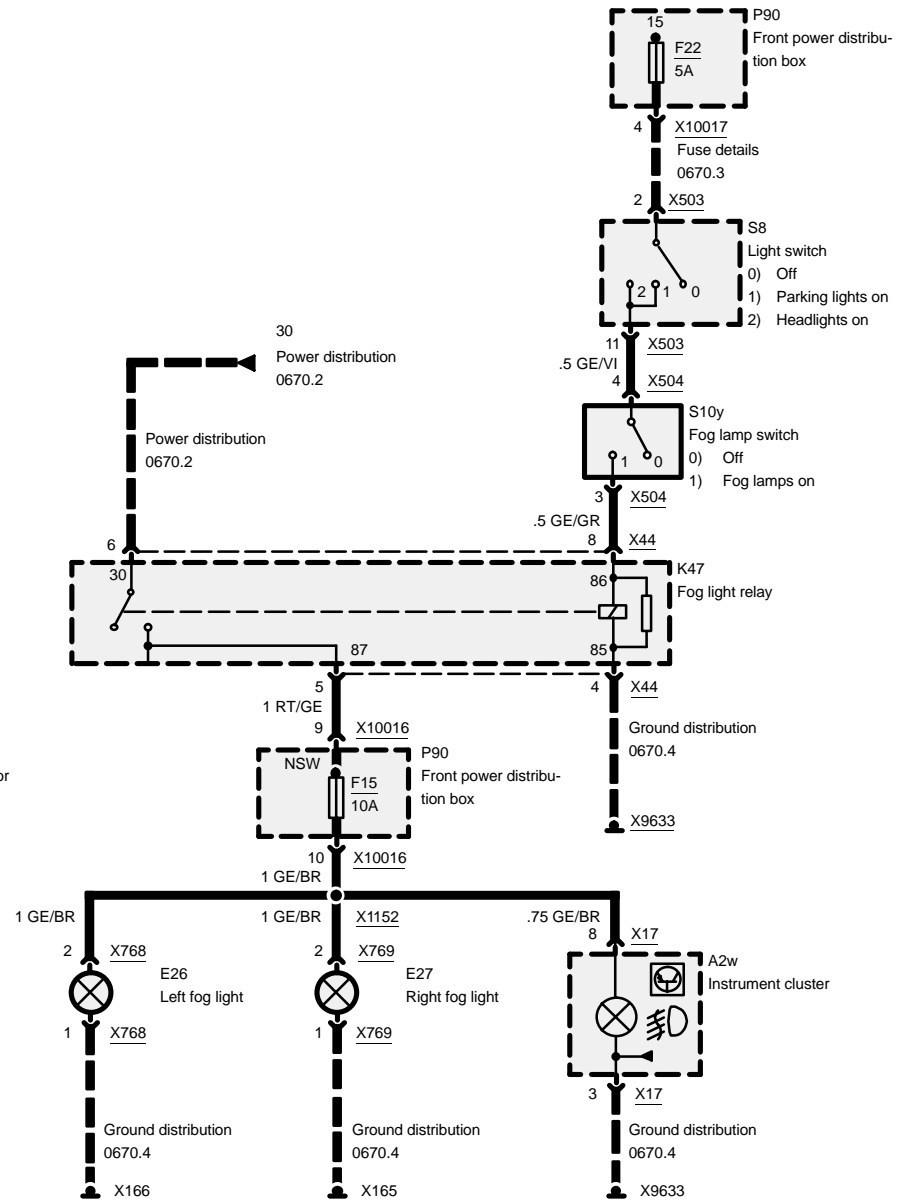
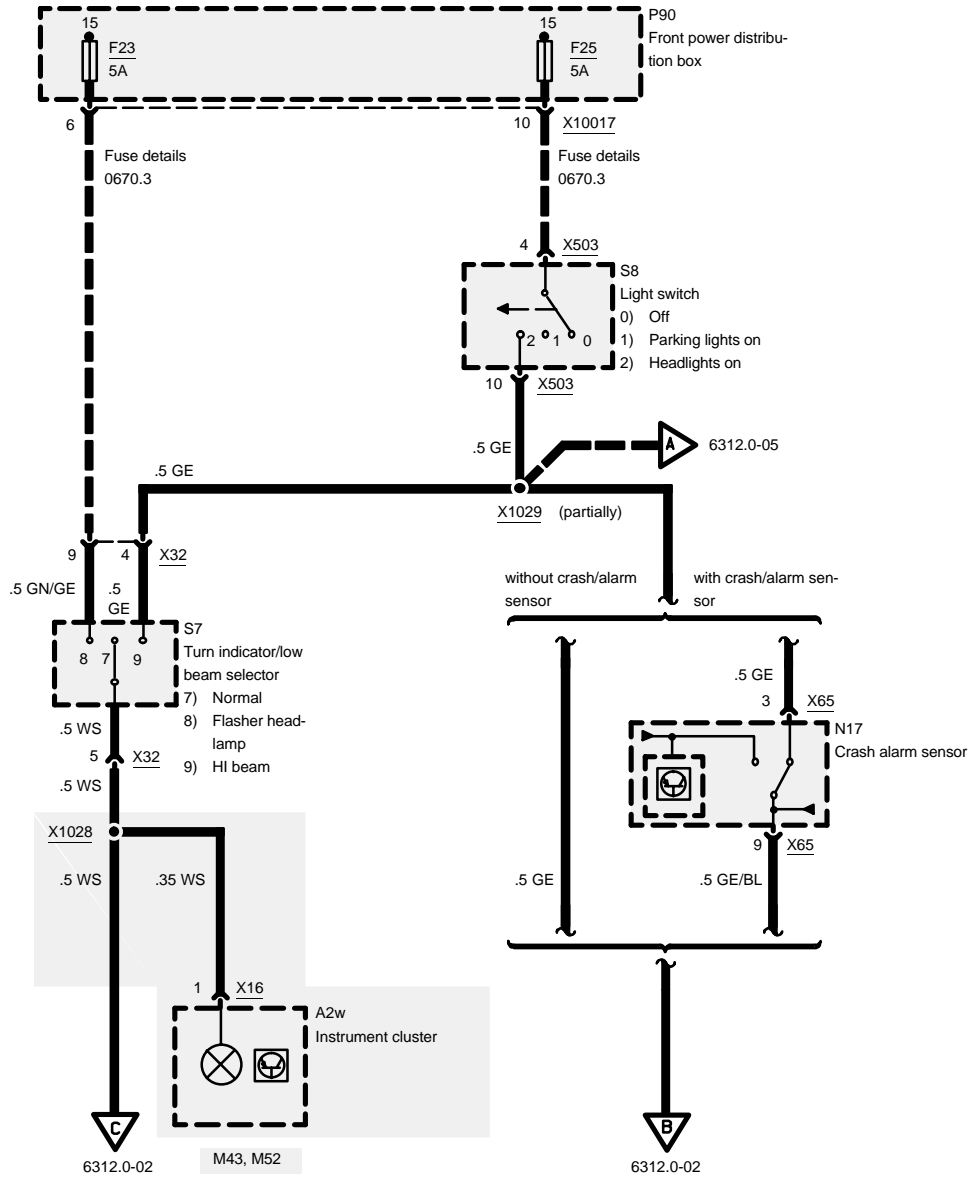
Rear fog lights

Z3





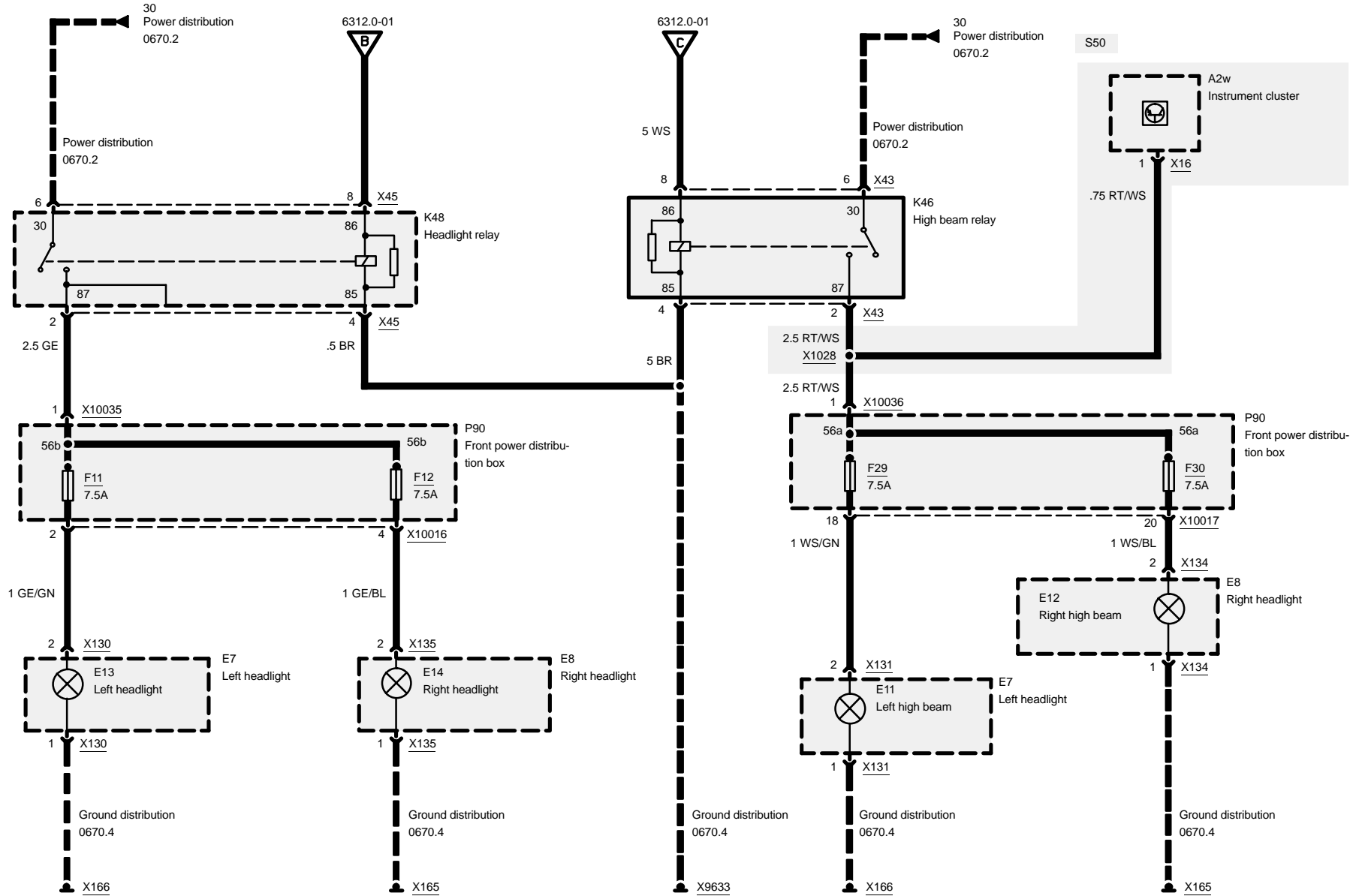
Z3





Z3

Headlight/fog light

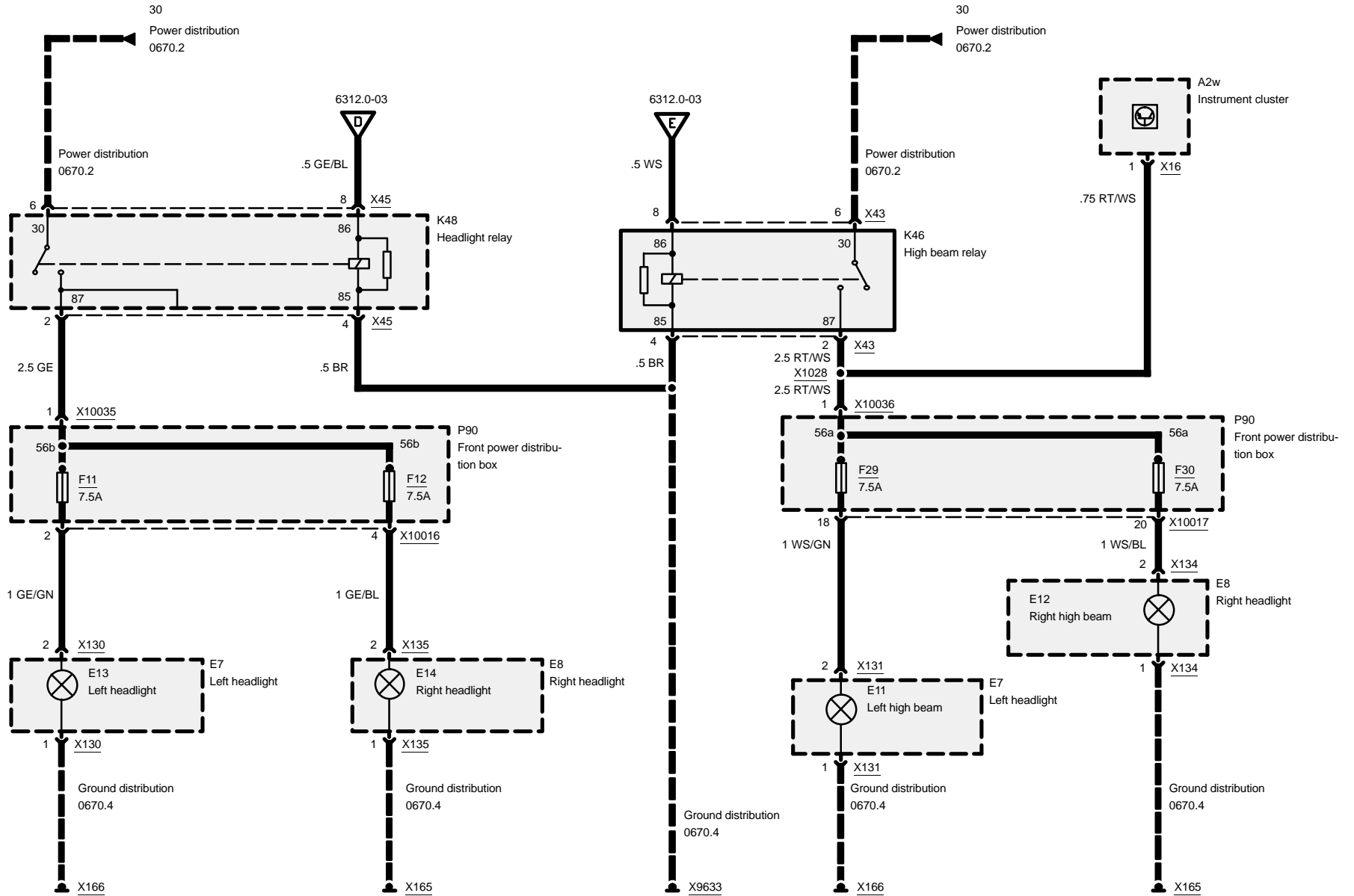




Headlight/fog light



Z3



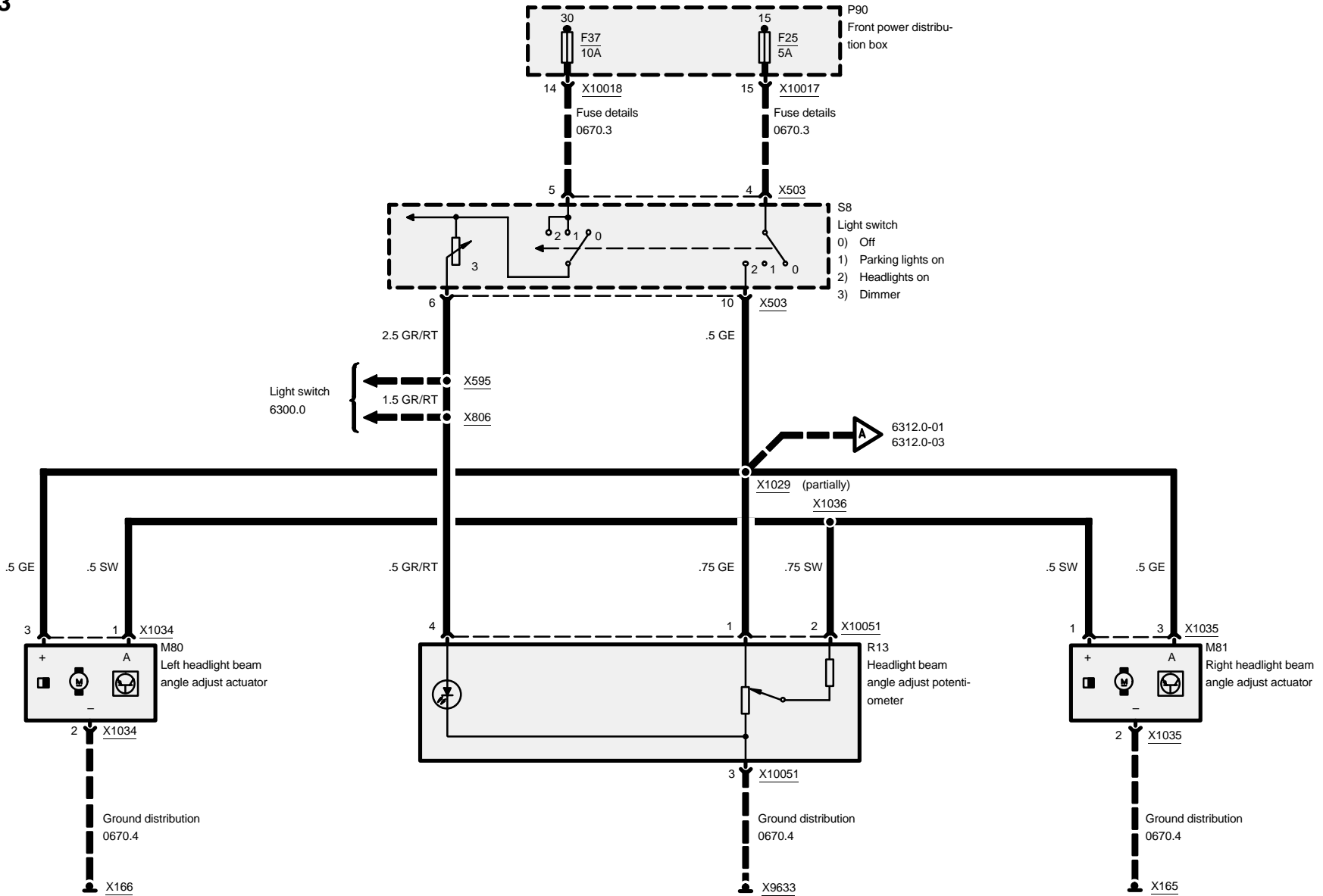
10/99

6312.0-04

2000



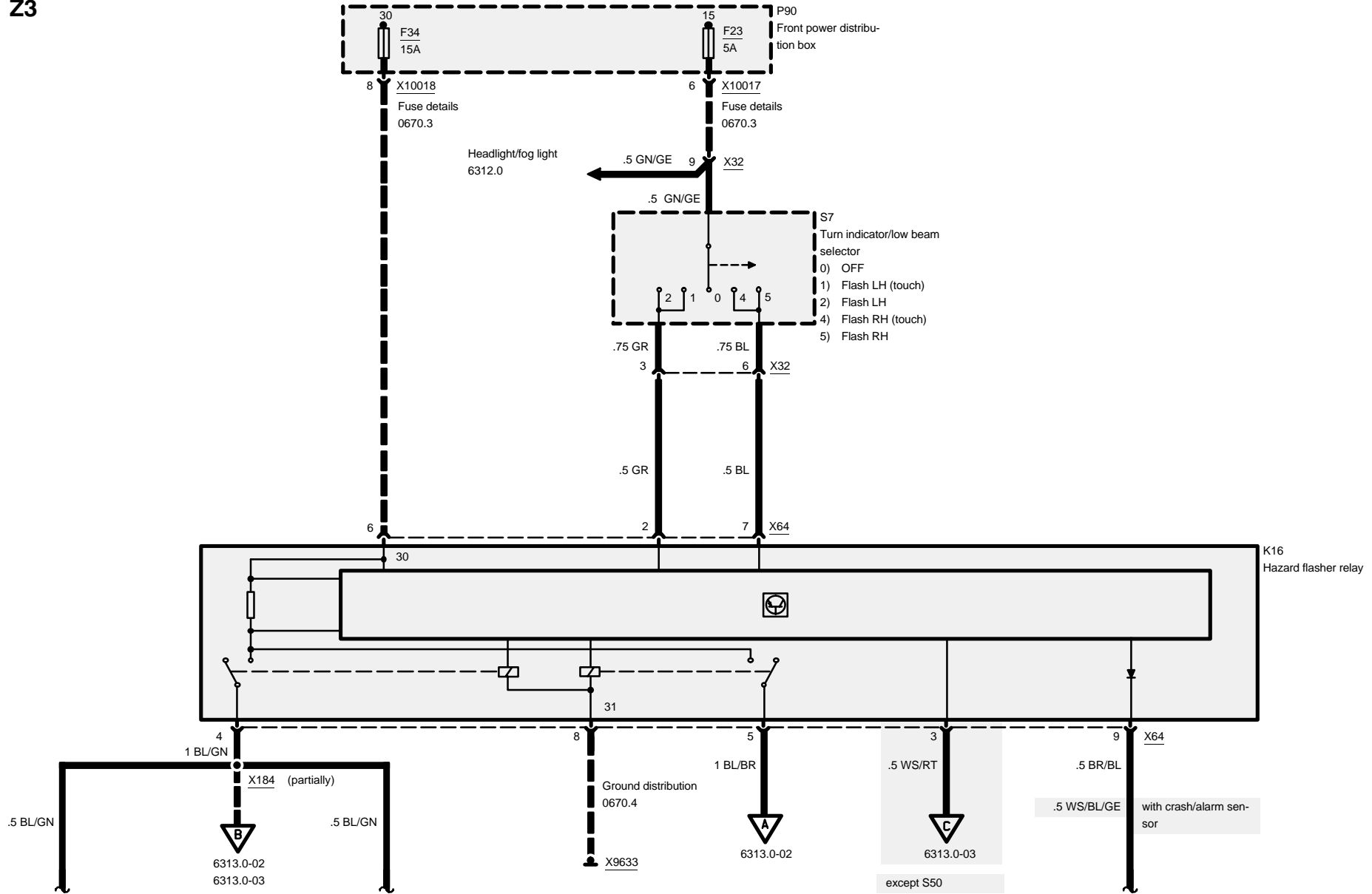
Headlight/fog light Headlight range adjustment

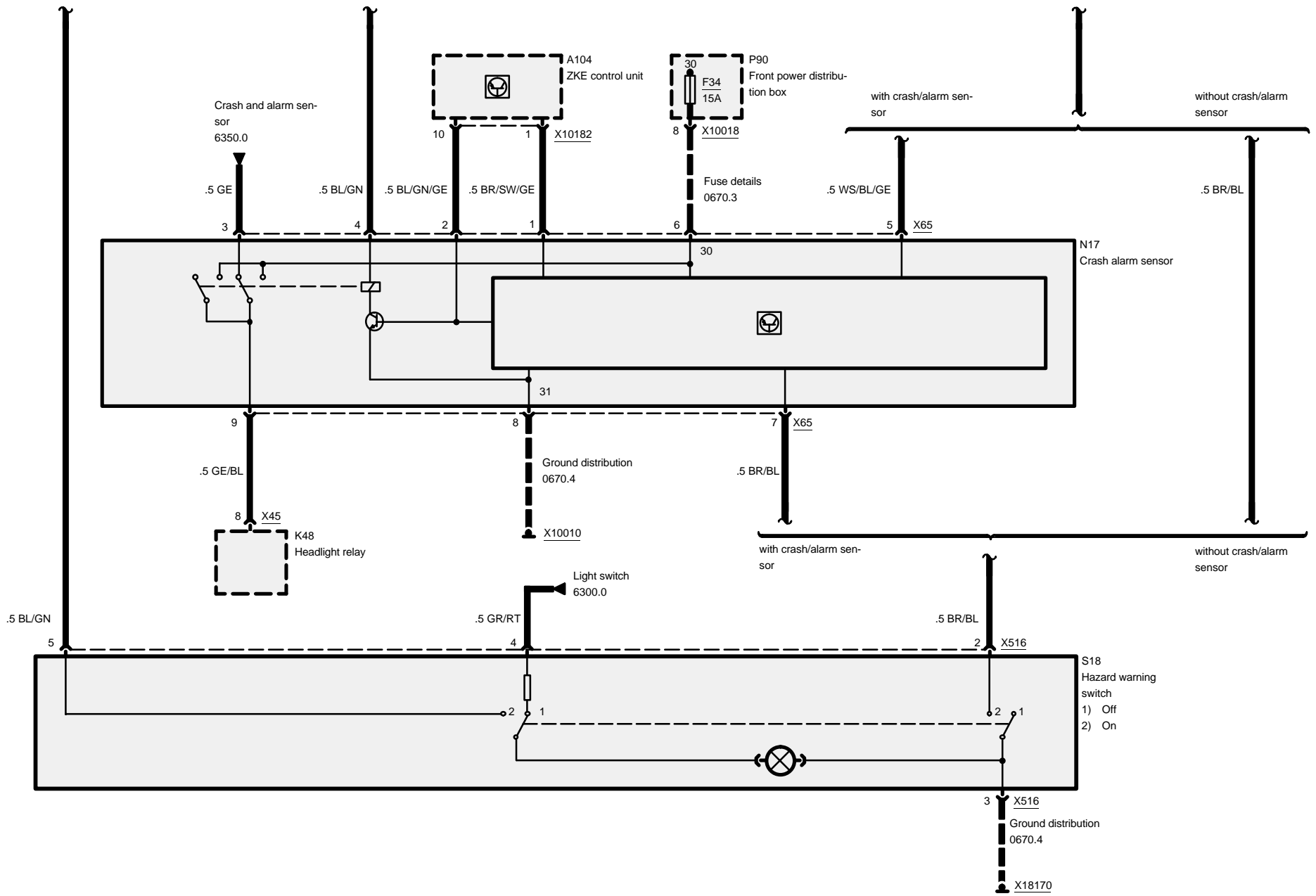




Z3

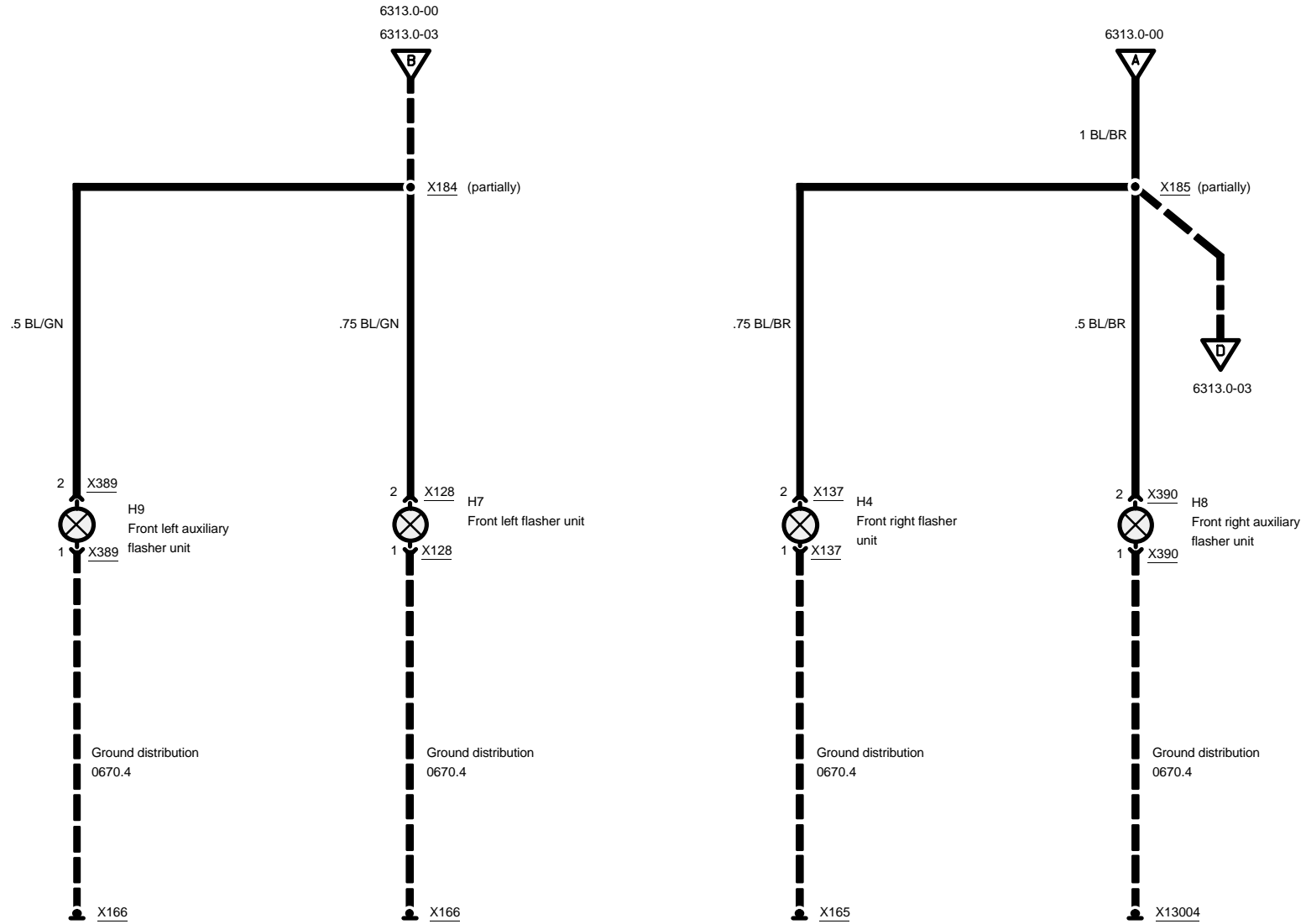
6313.0 Turn signal/hazard warning system



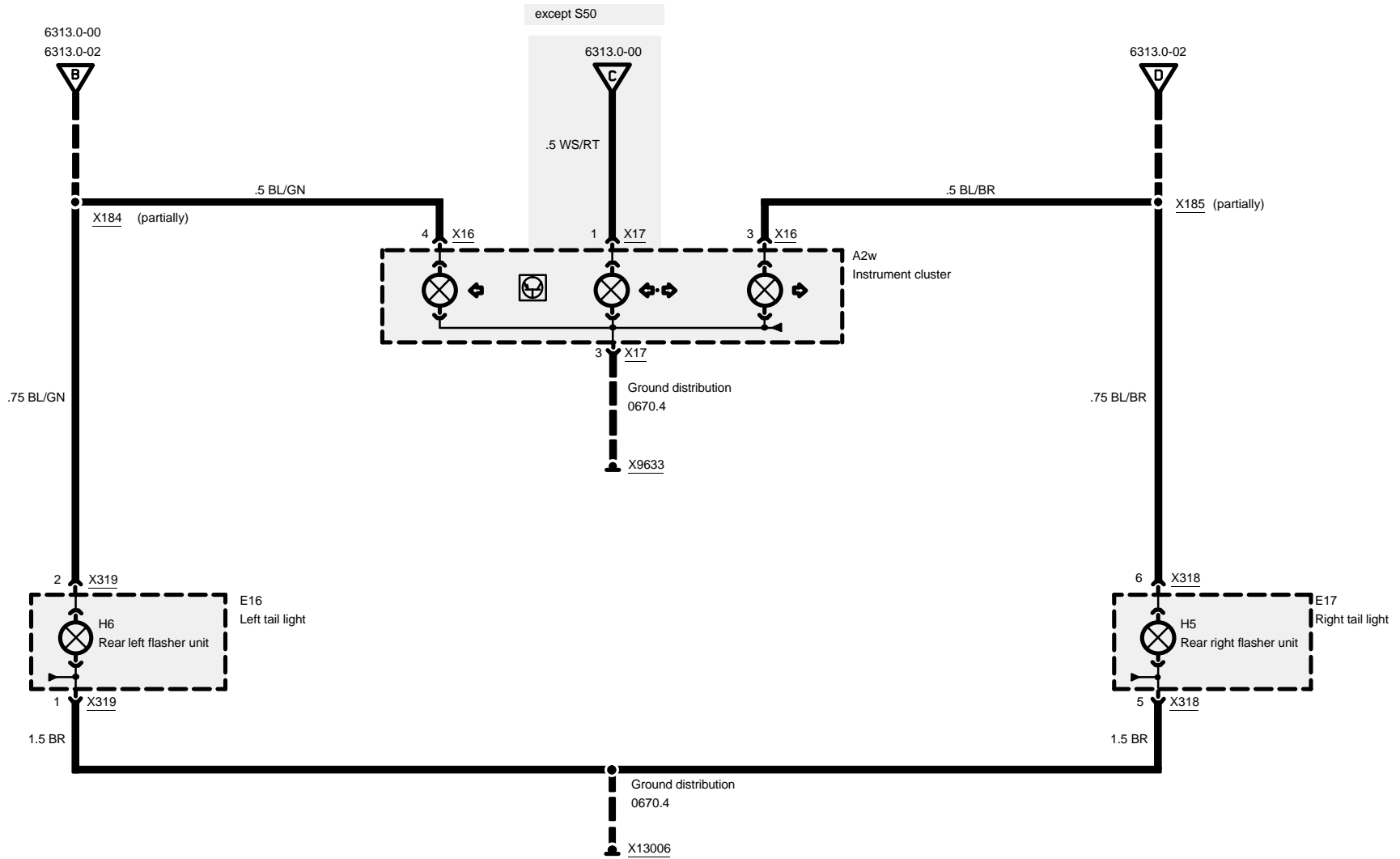




Turn signal/hazard warning system



Turn signal/hazard warning system

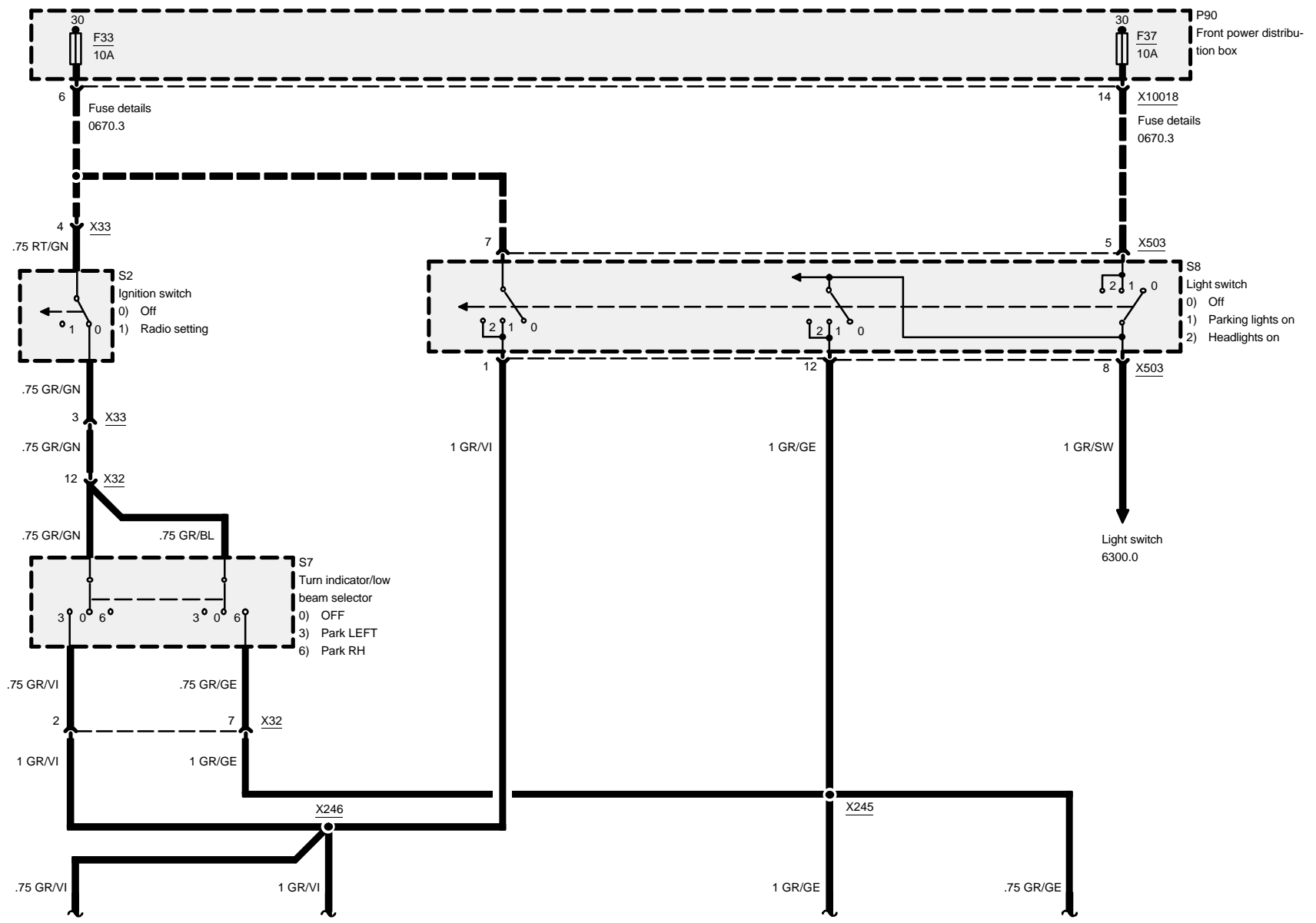




6314.0 Park/tail/underhood lights



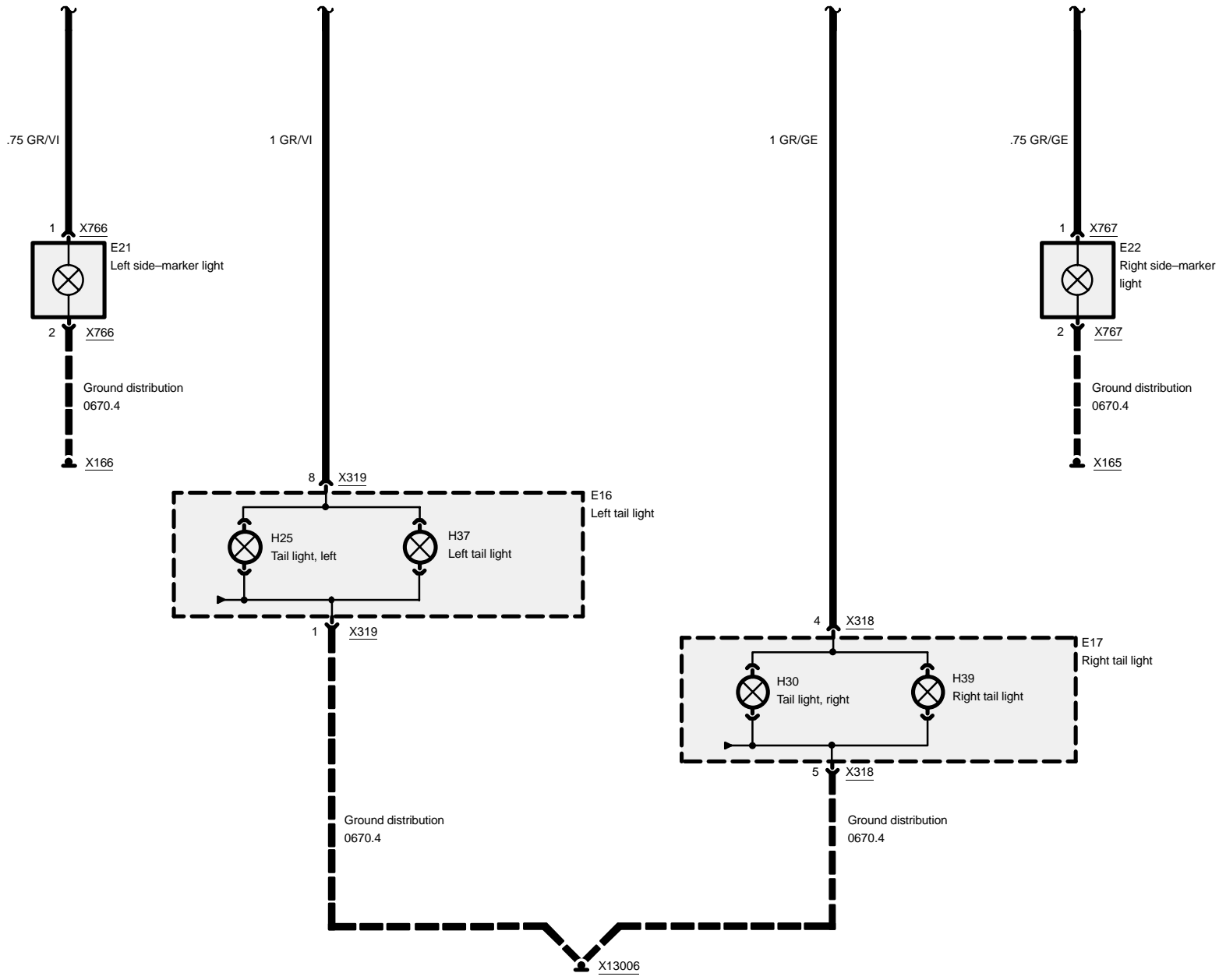
Z3



10/99

6314.0-00

2000

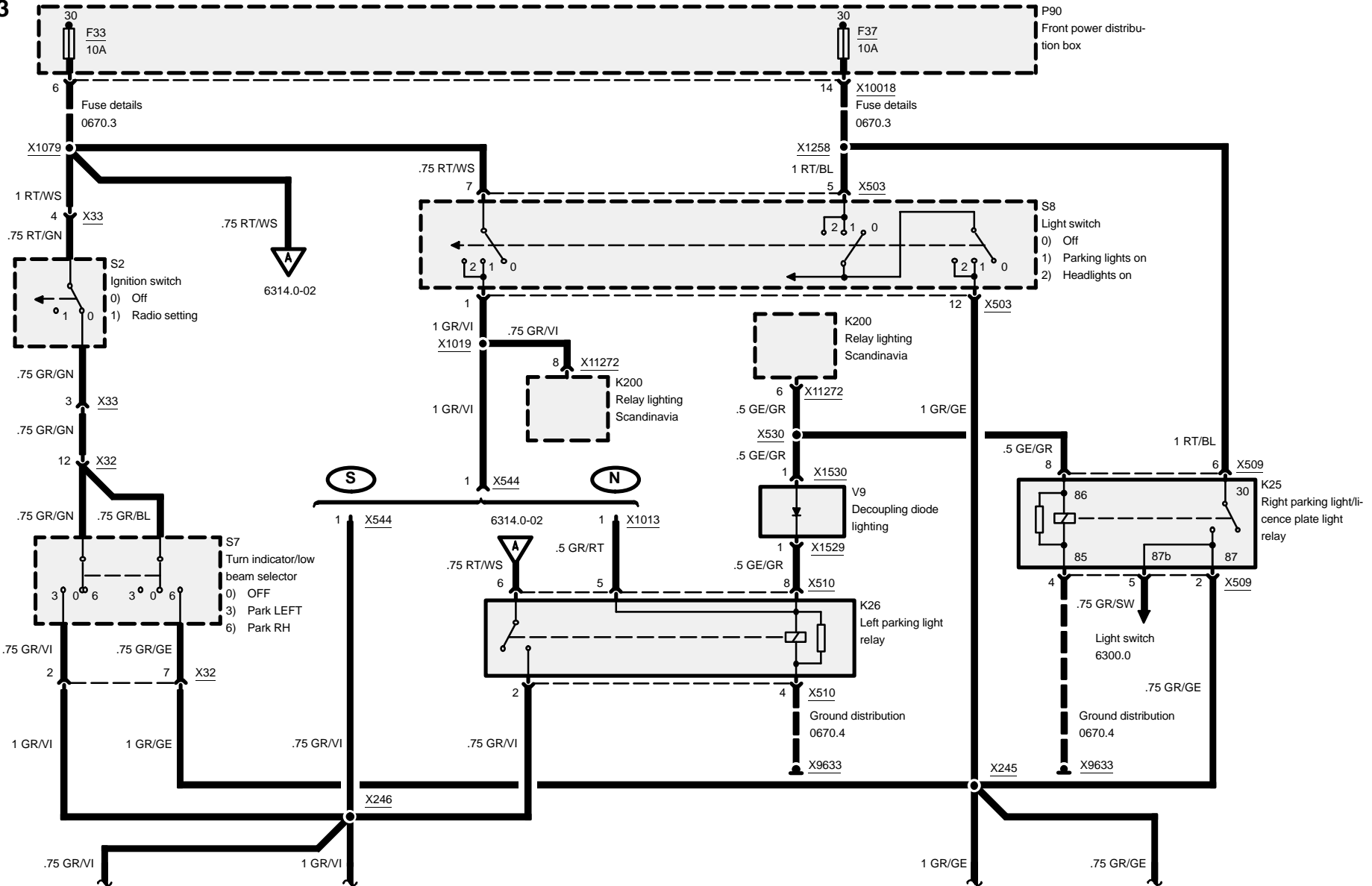




Park/tail/underhood lights



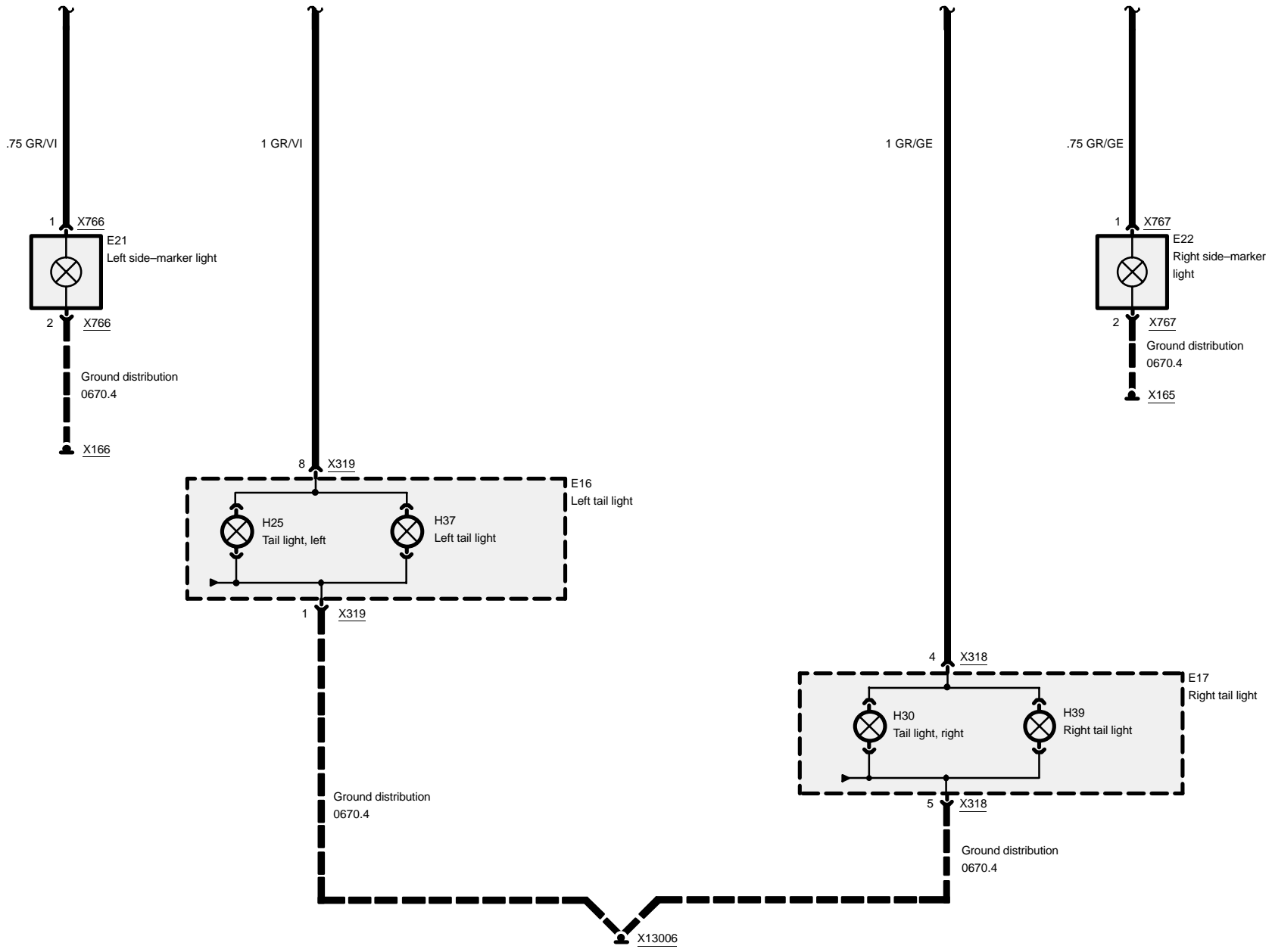
Z3



10/99

6314.0-02

2000

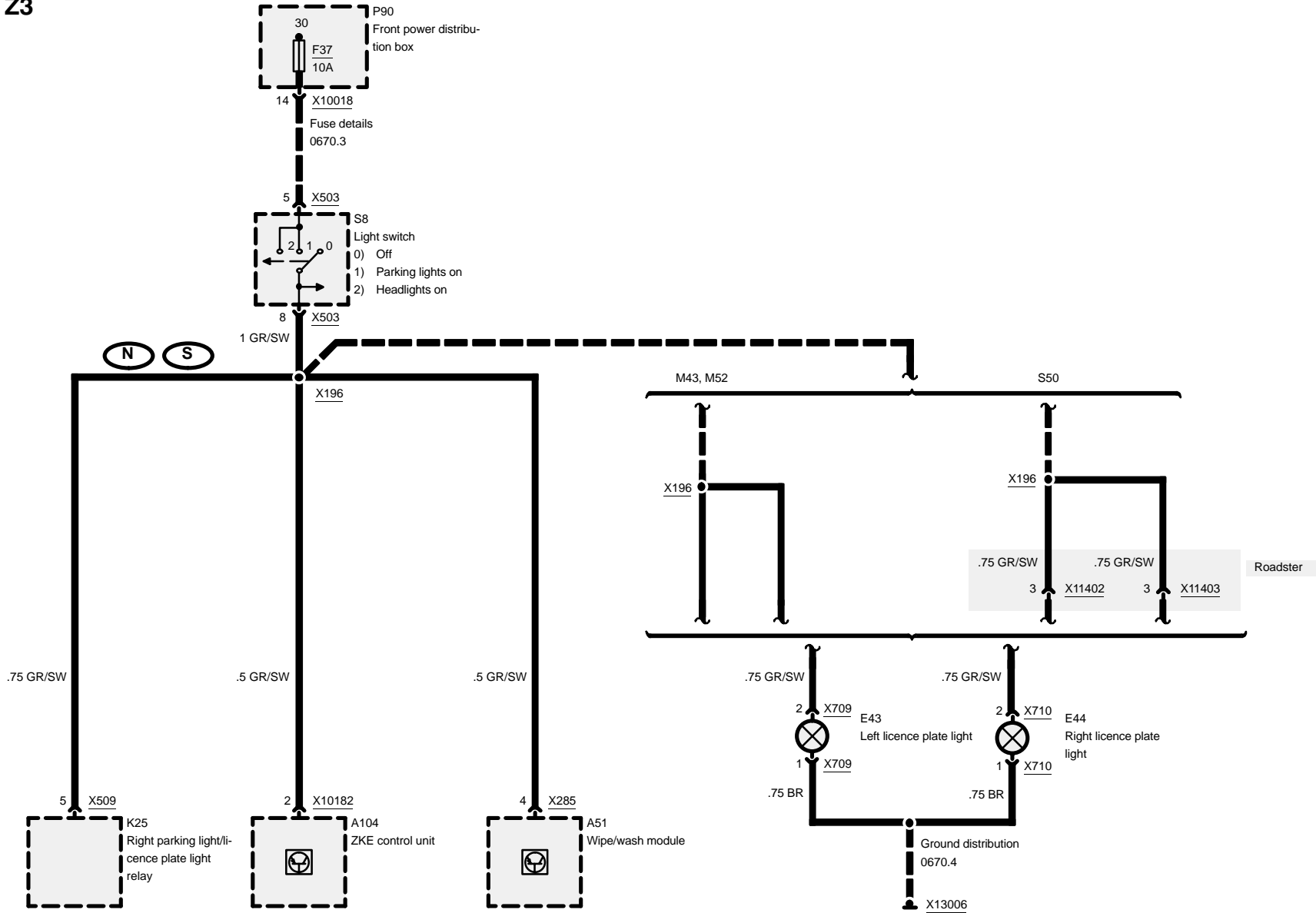




6320.0 Licence plate/luggage compartment lights

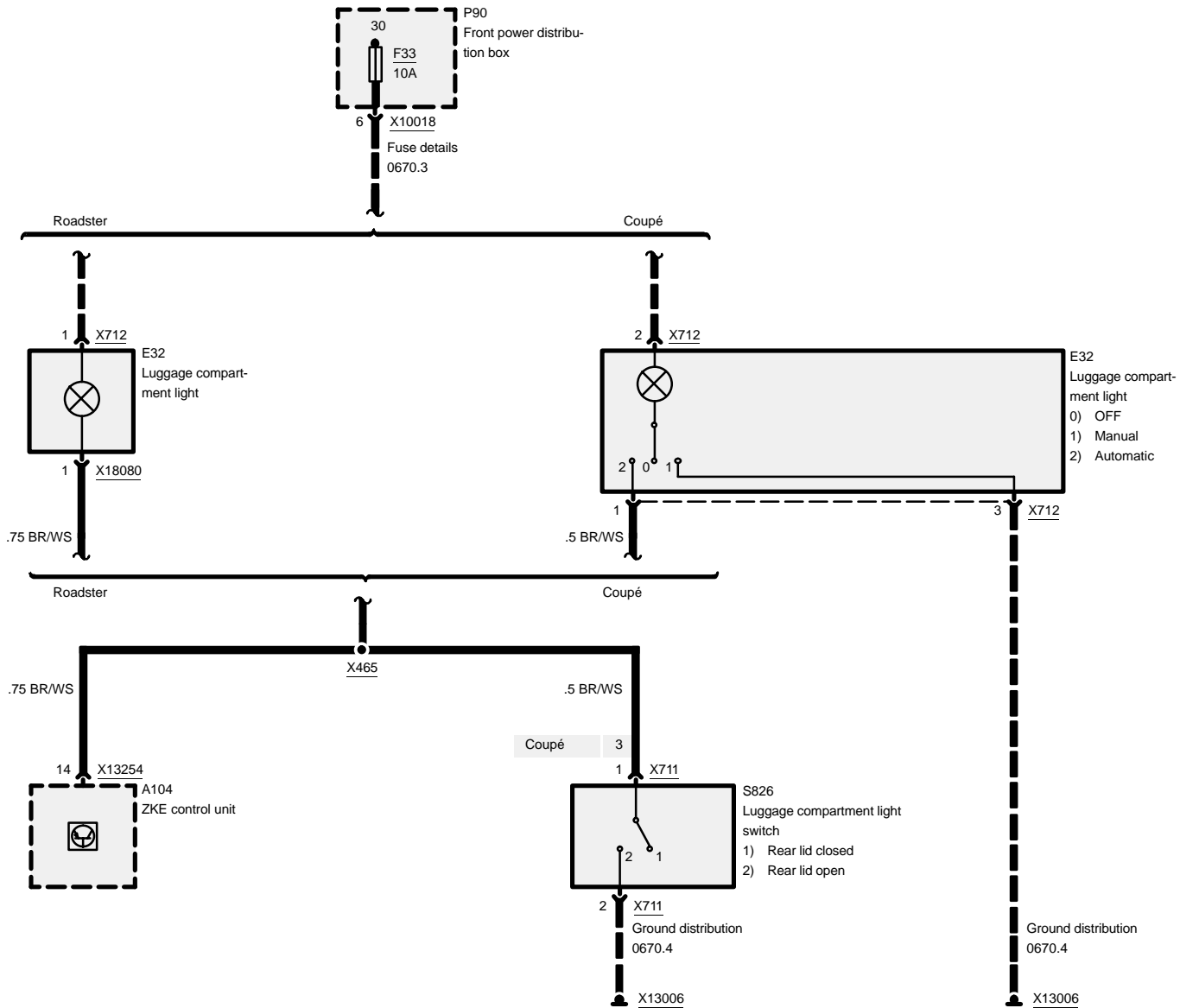
Licence plate lights

Z3



Licence plate/luggage compartment lights

Luggage compartment lights

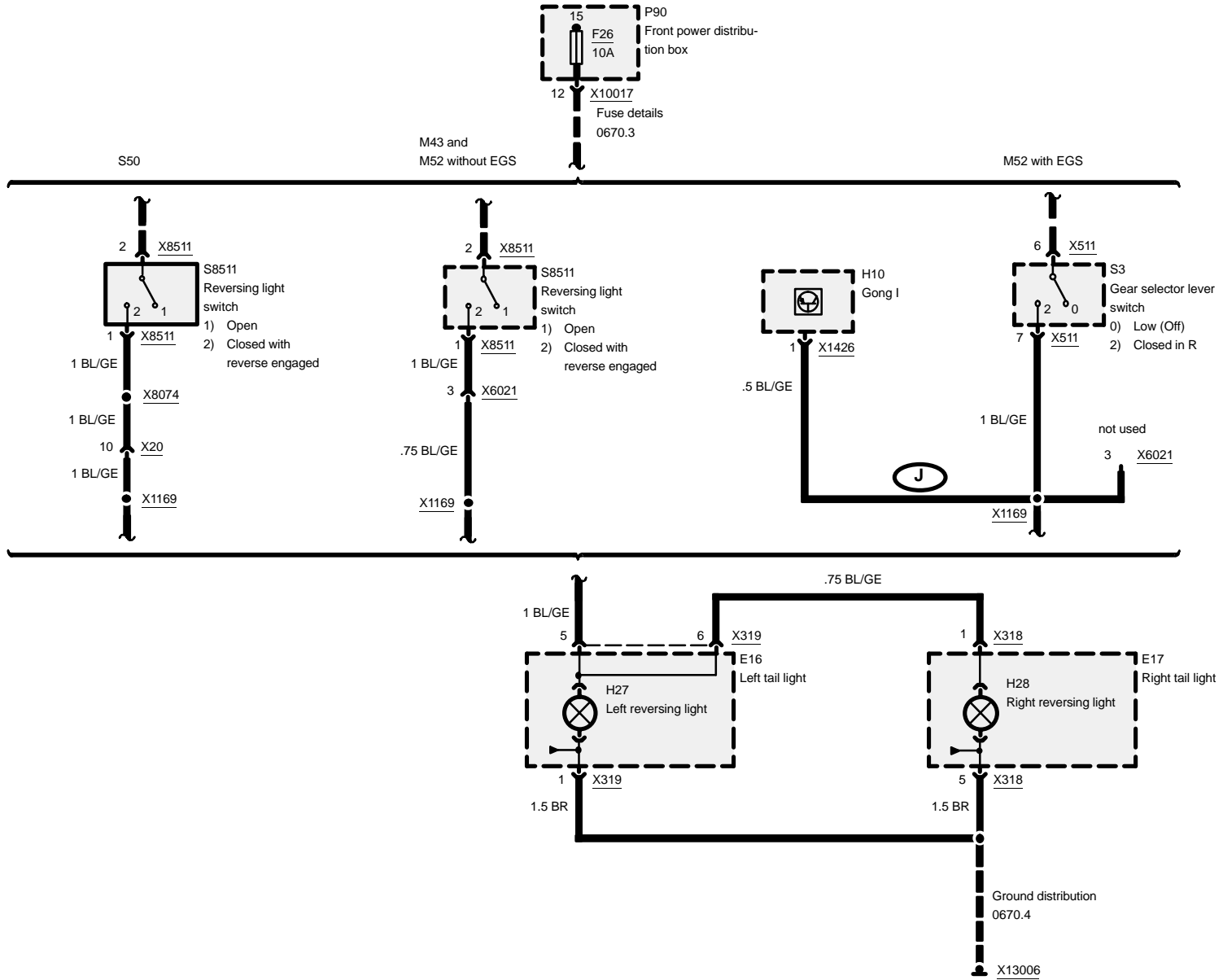




6322.0 Reversing lights

Right-hand drive

Z3

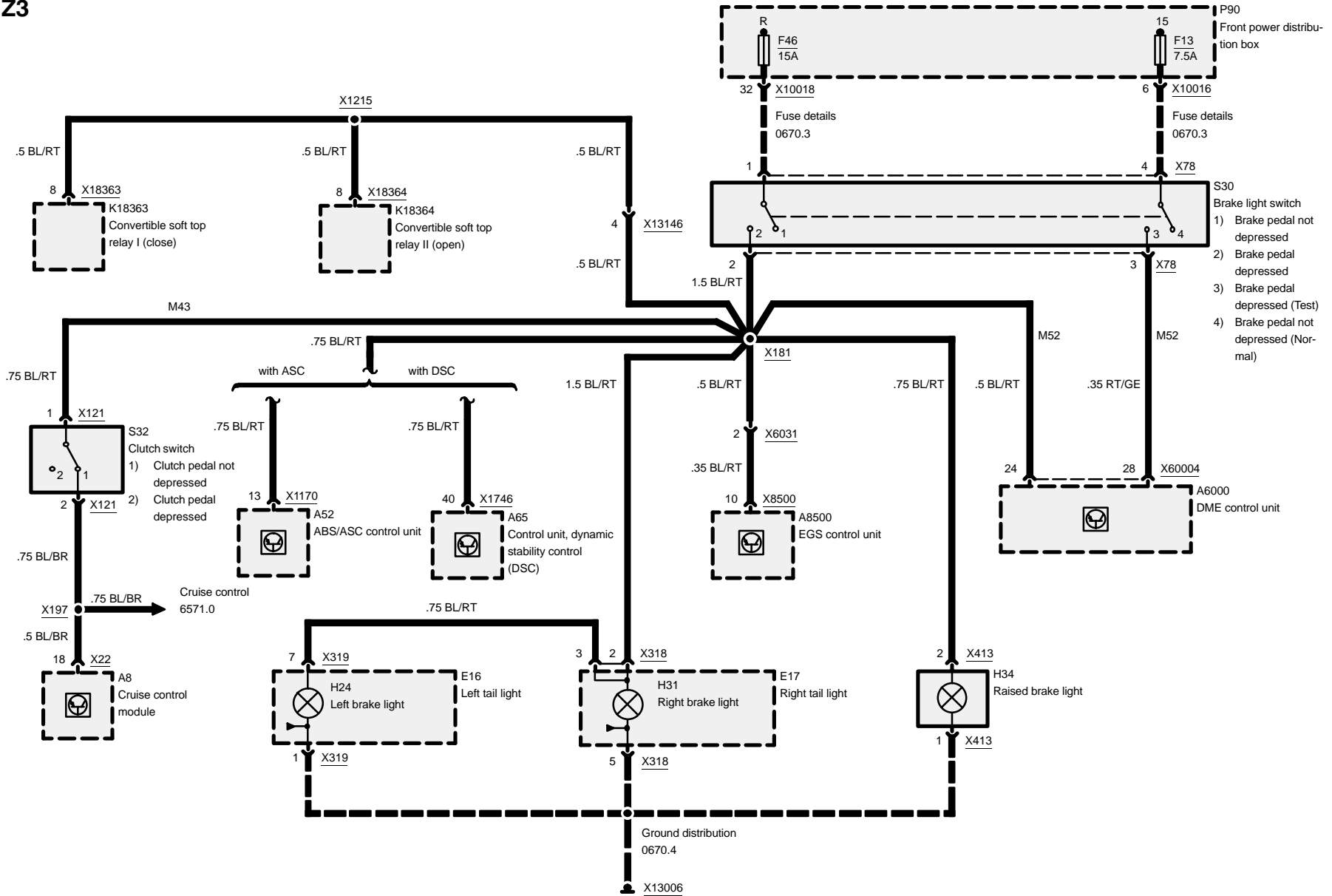




6325.0 Brake lights

M43, M52

Z3



10/99

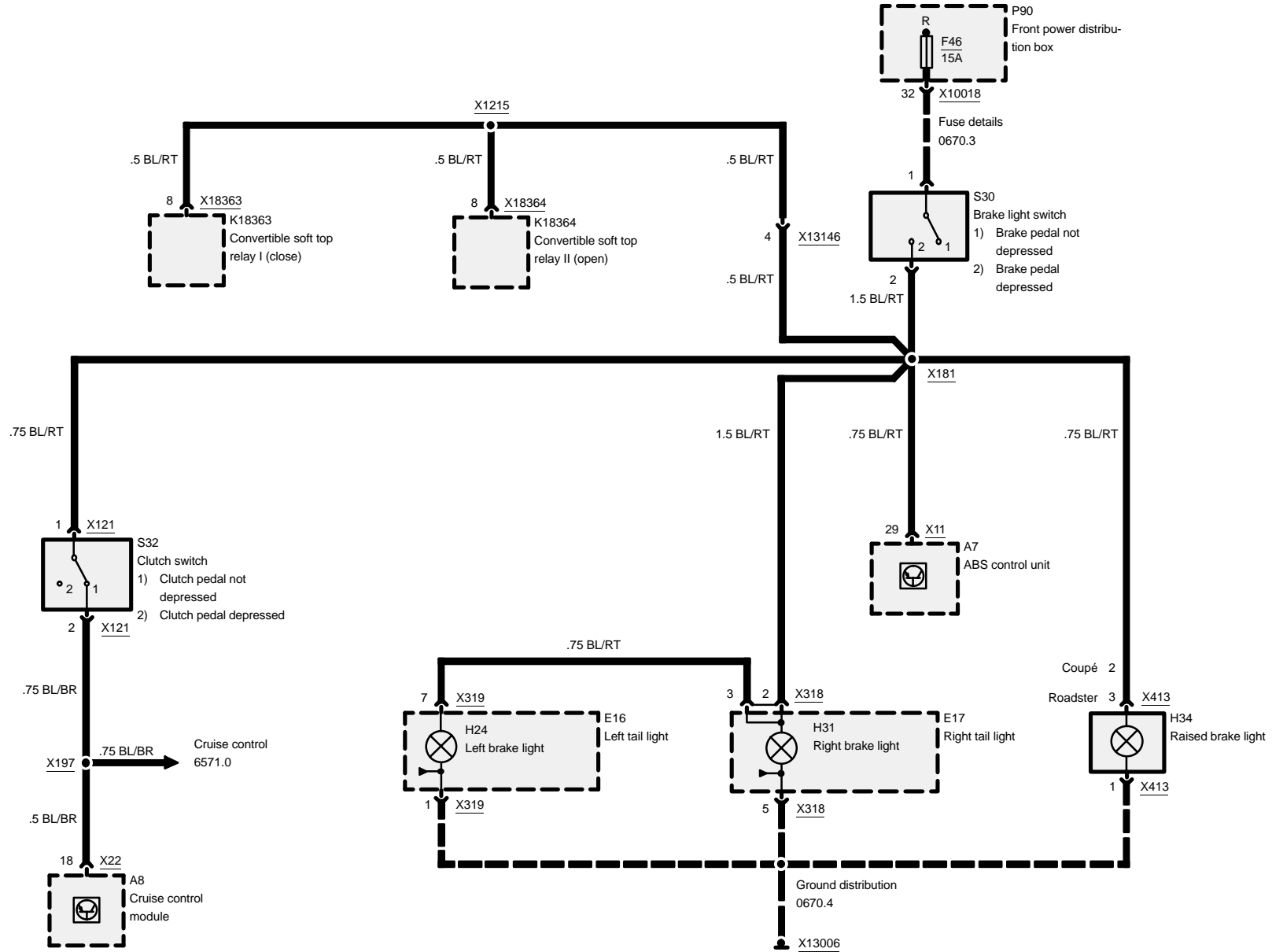
6325.0-00

2000

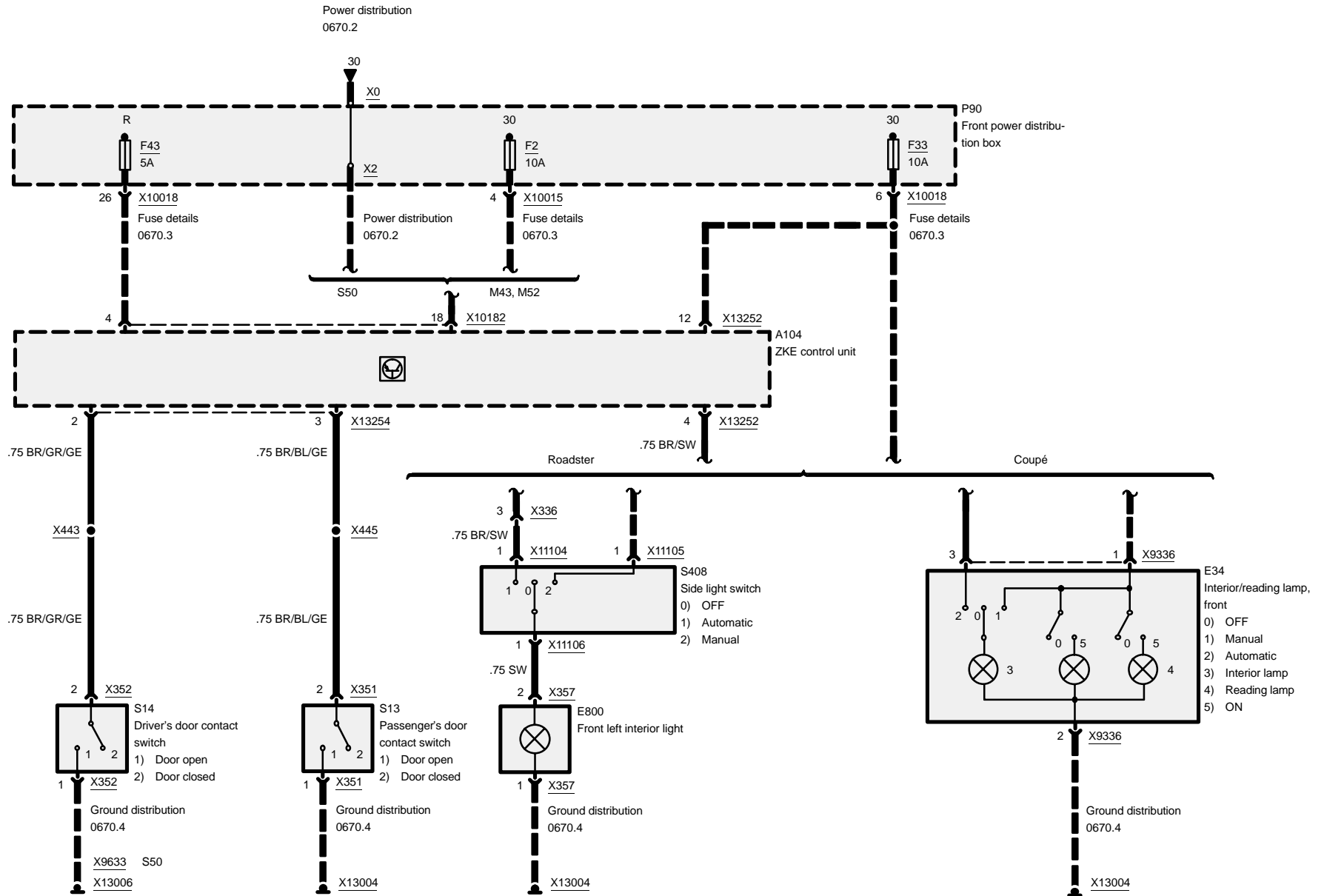


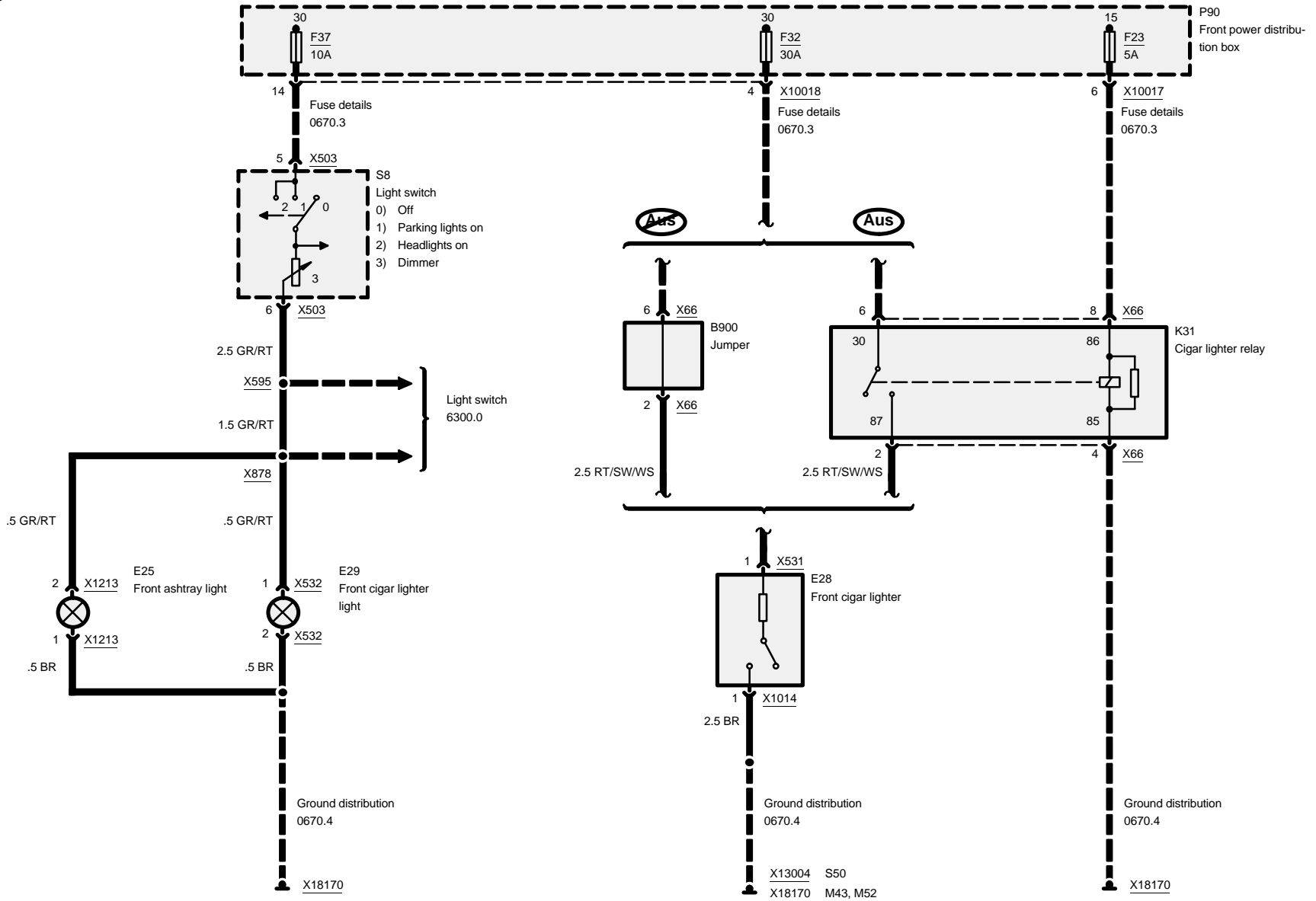
Brake lights

S50



6330.3 Interior lights

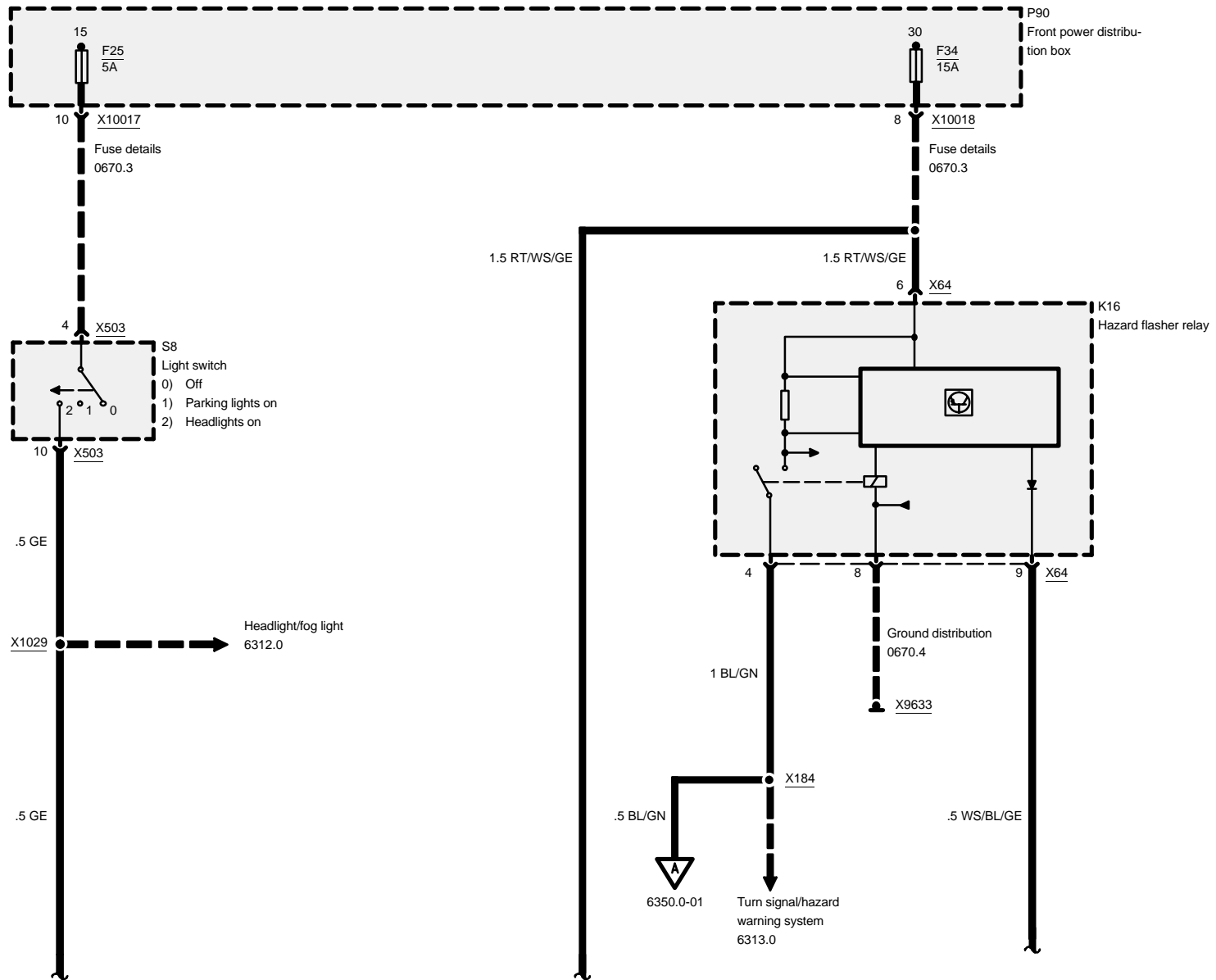


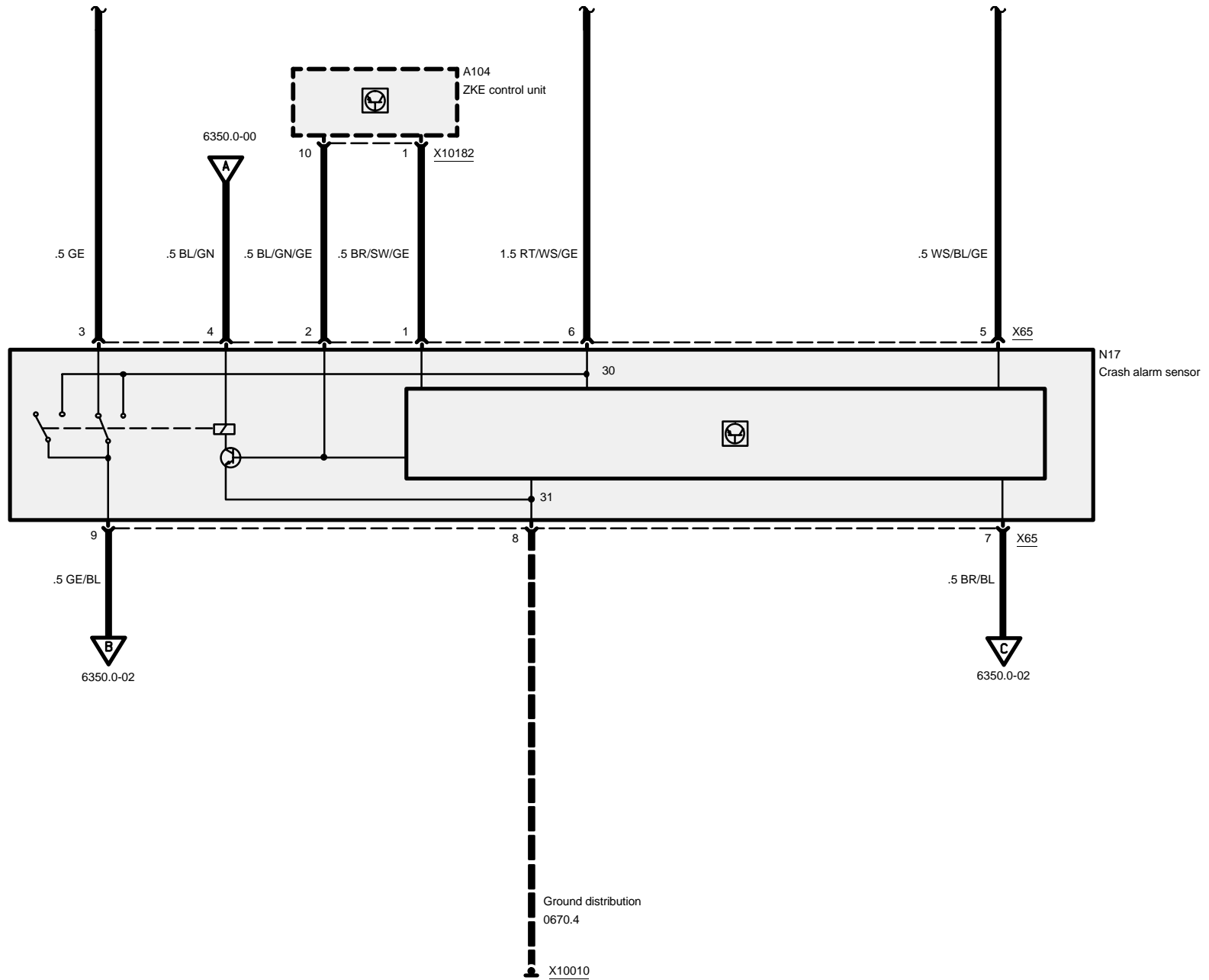




Z3

6350.0 Crash and alarm sensor



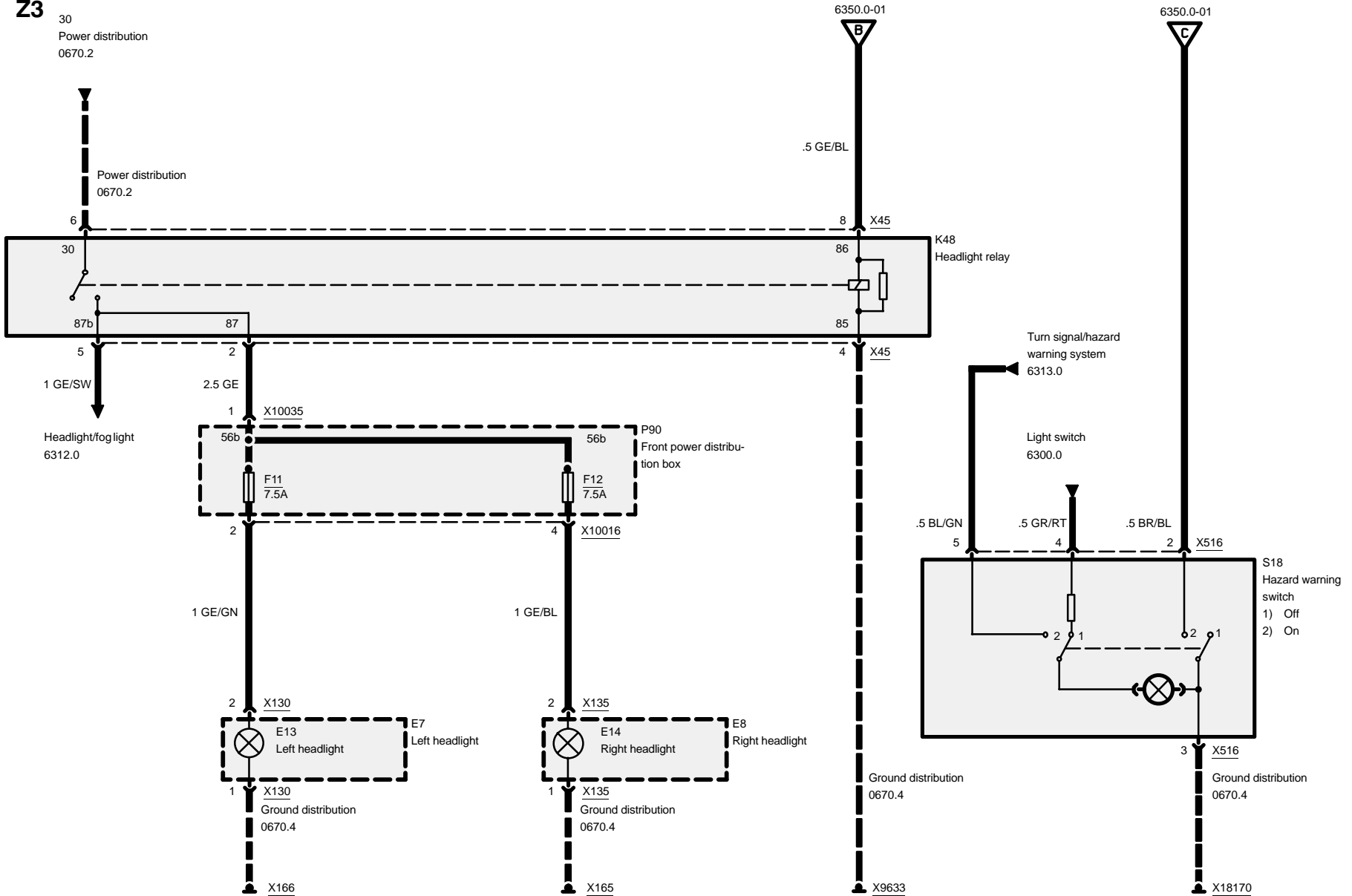




Crash and alarm sensor

Z3

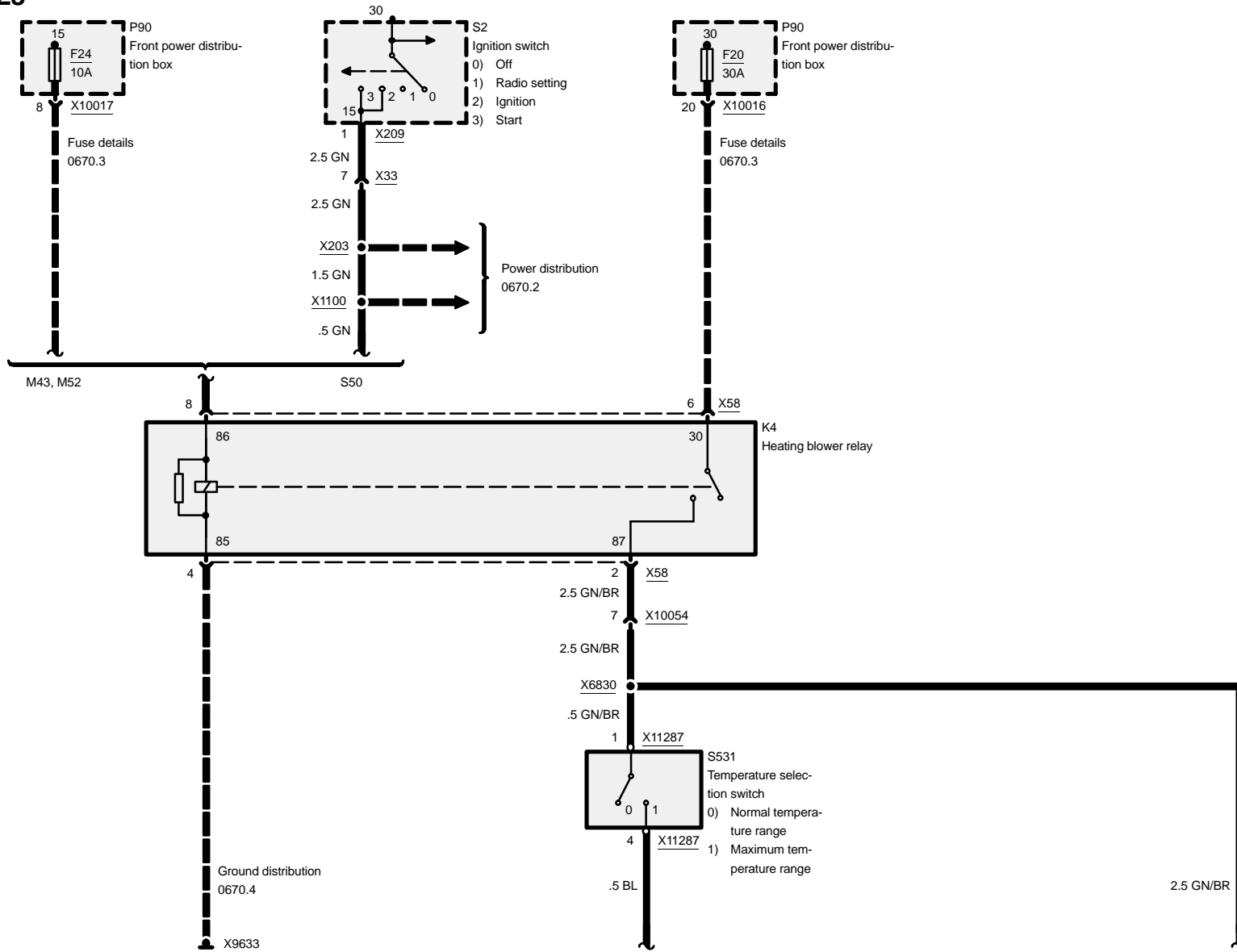
30
Power distribution
0670.2

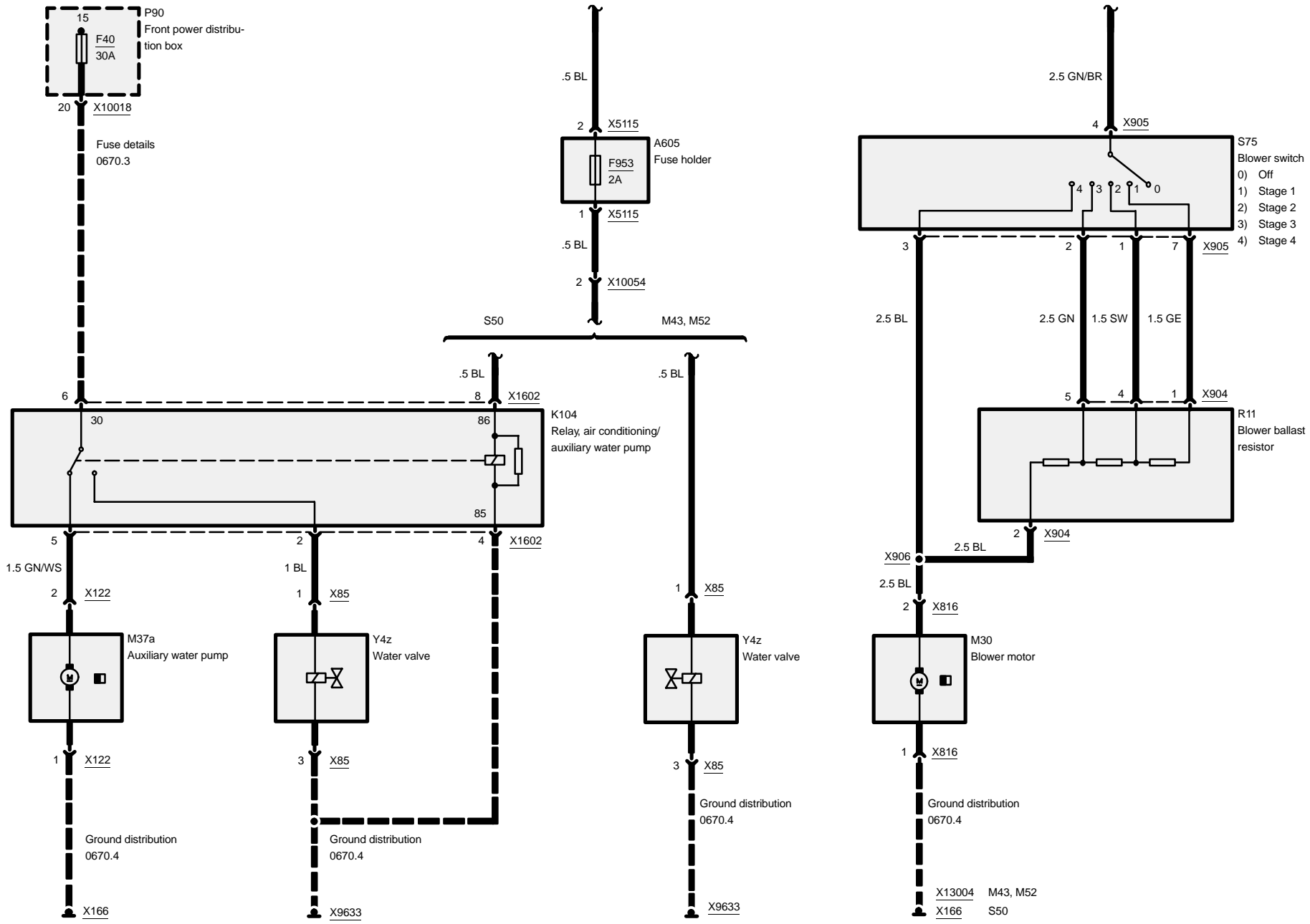




6410.7 Heating control (HS)

Z3



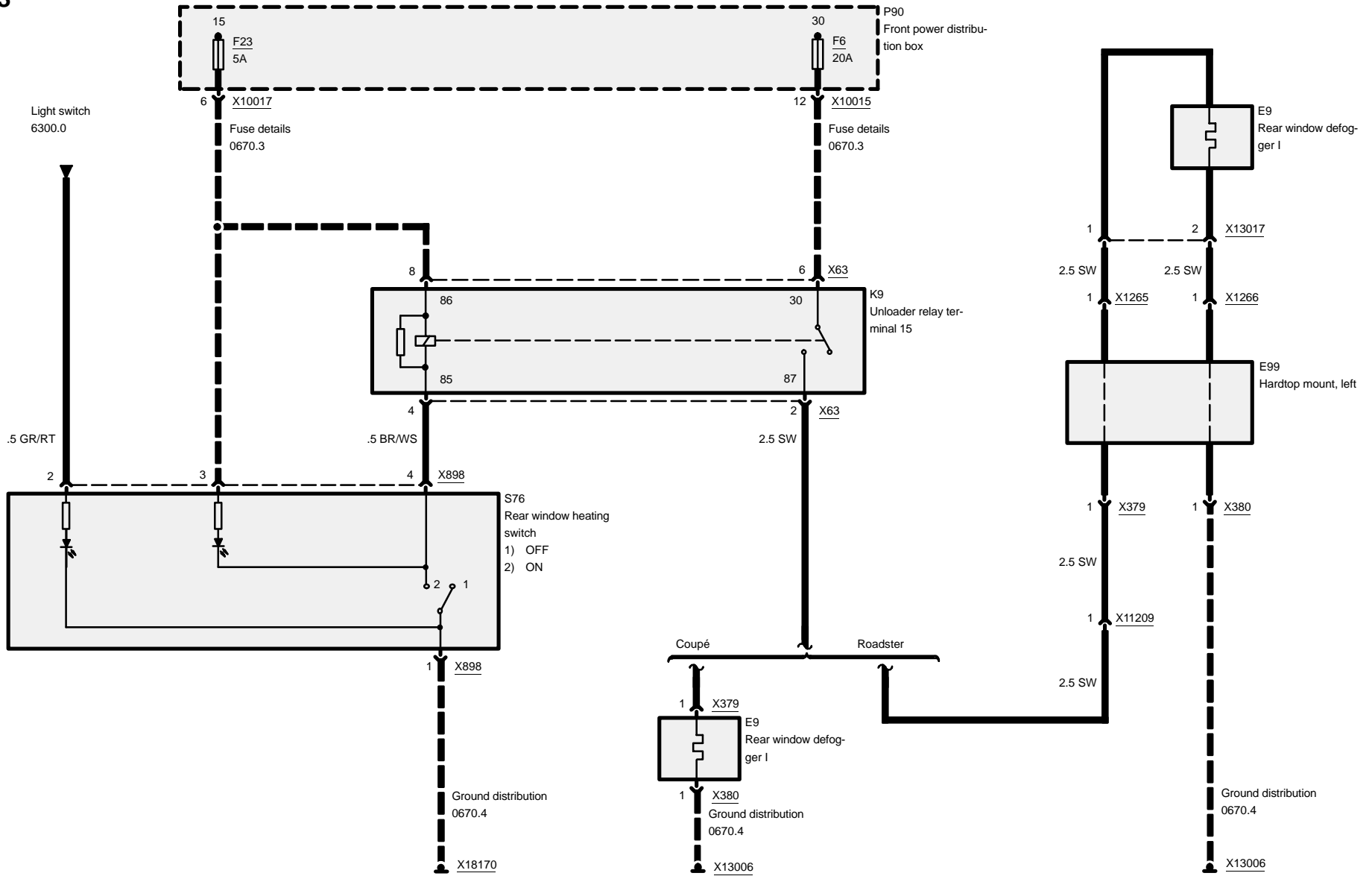




Z3

6424.0 Rear window defogger

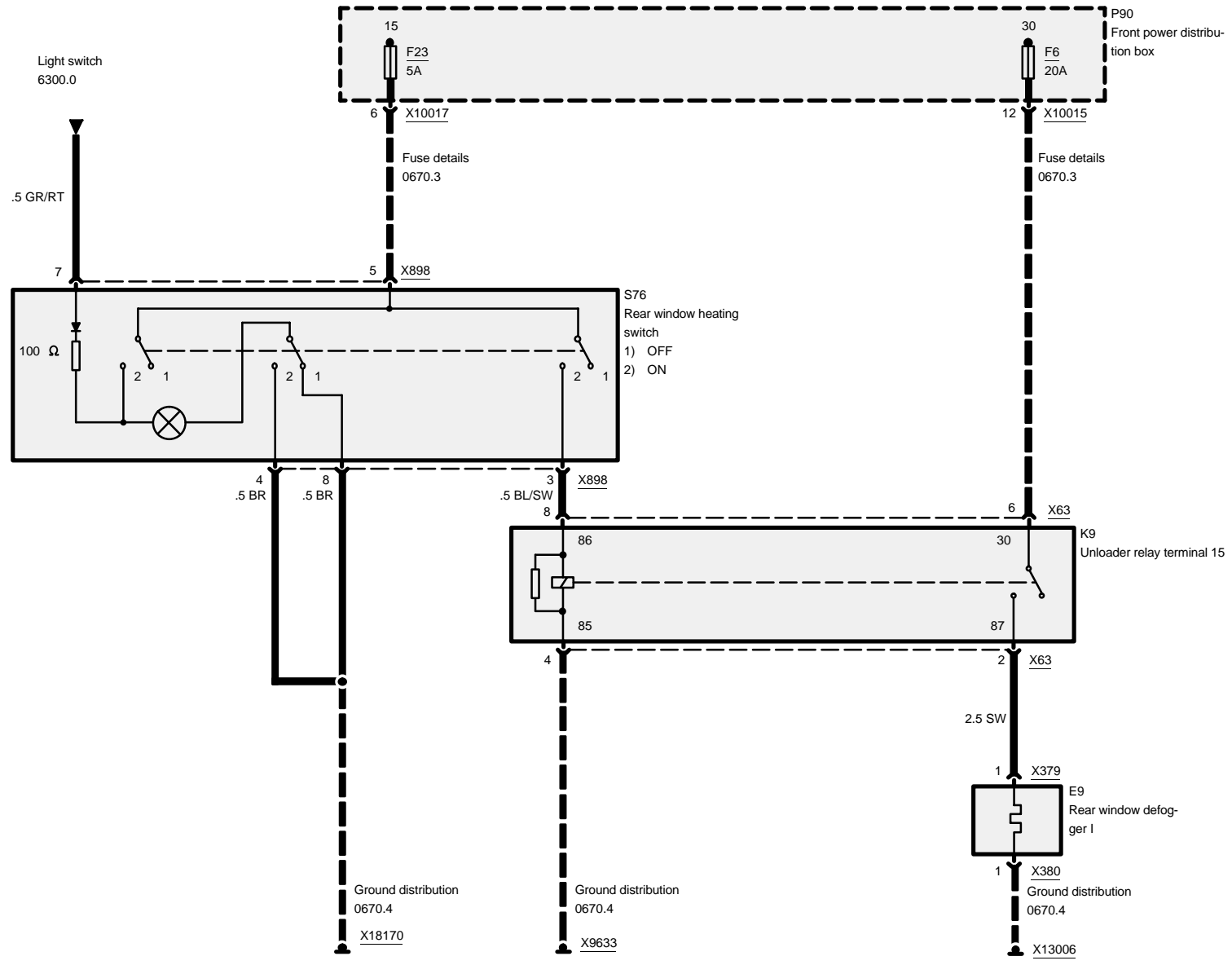
Roadster and S50 Coupé

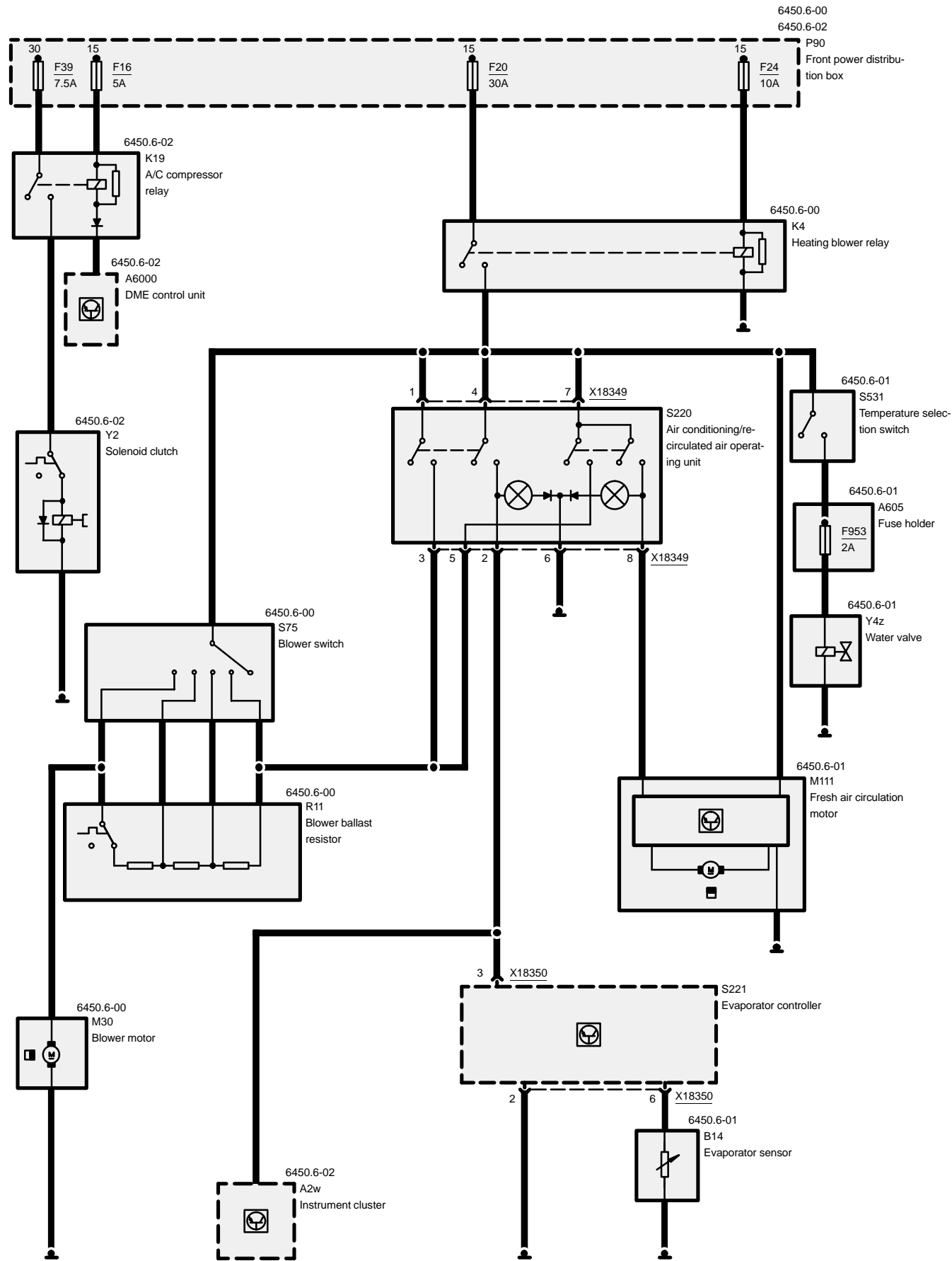




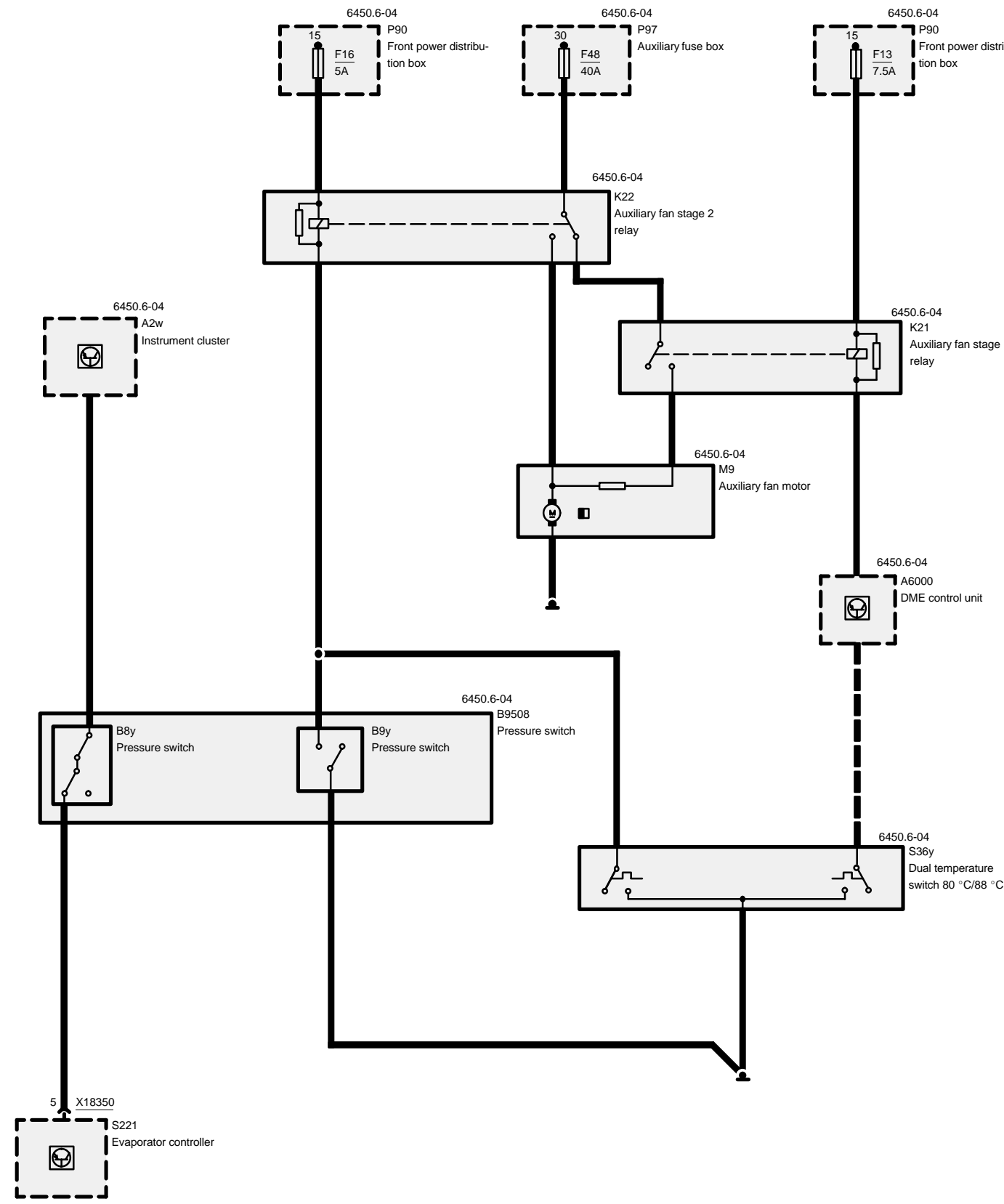
Rear window defogger

M52 Coupé

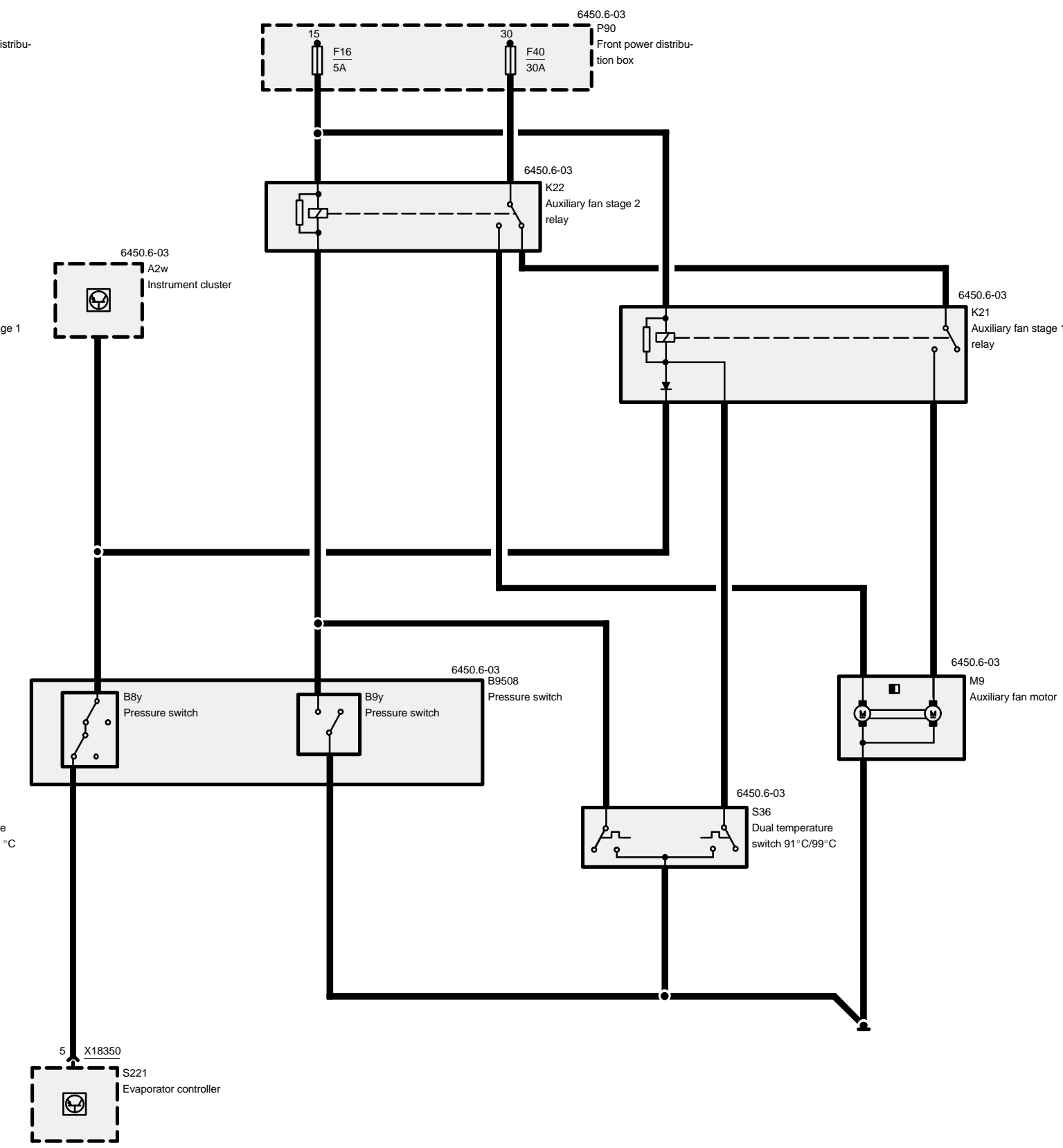




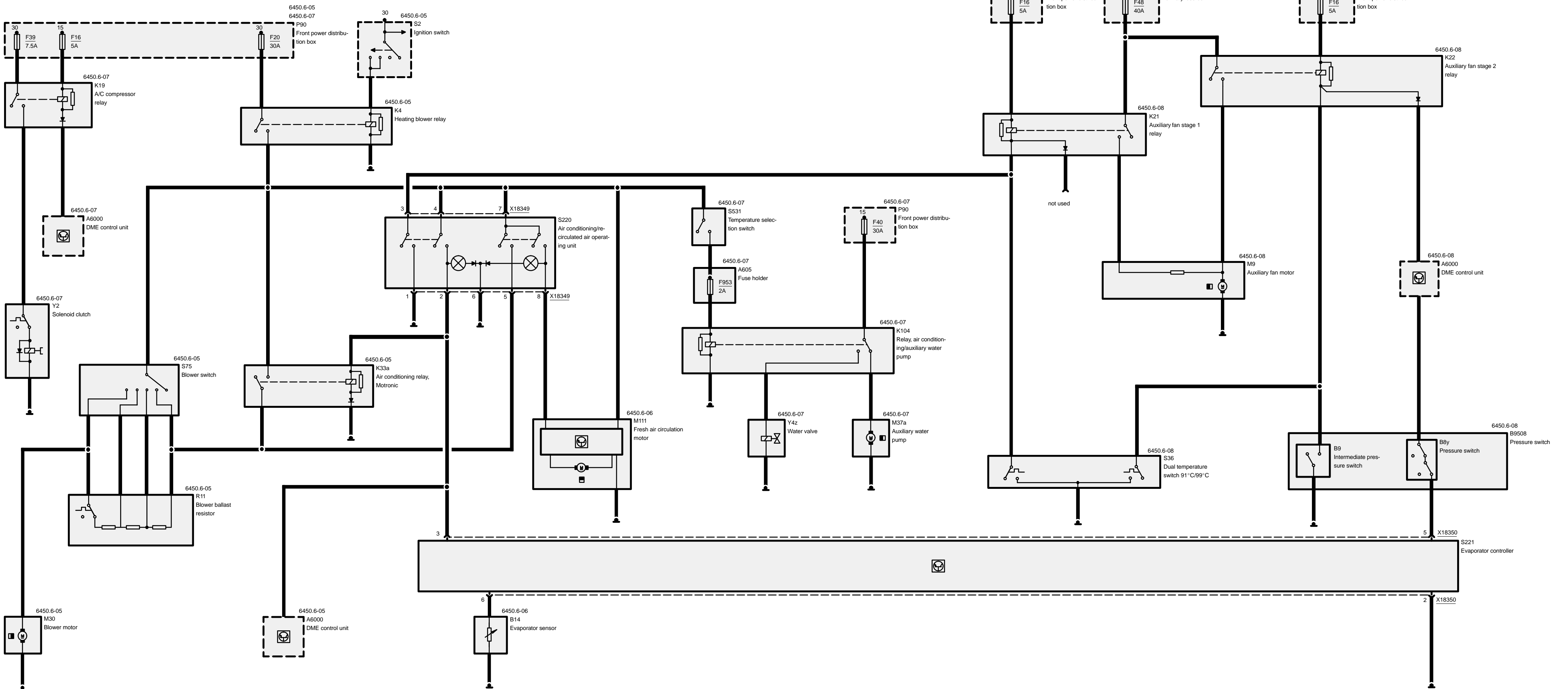
Auxiliary fan – M43



Auxiliary fan – M52

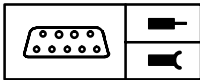


S50





Z3

**Pin Assignments (M43, M52)**

A=X18349 8-pin, black

B=X18350 6-pin, black

X18349

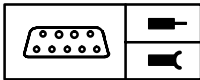
Pin	Type	Description/Function	Connection
1	E	Terminal 15	Heater blower relay
2	A	Activation, compressor clutch	Instrument cluster
3	A	Blower stage 1 (air conditioning)	Blower series resistor
4	E	Terminal 15	Heater blower relay
5	A	Blower stage 1 (recirculated air)	Blower series resistor
6	M	Ground, indicator lamps	Ground connector
7	E	Terminal 15	Heater blower relay
8	A	Activation, fresh air/recirculated air	Fresh air/recirculated air motor

X18350

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



Z3

**Pin assignments (S50)**

A=X18349 8-pin, black

B=X18350 6-pin, black

X18349

Pin	Type	Description/Function	Connection
1	M	Ground	Ground connection
2	A	Air conditioning ON signal	DME control unit/evaporator controller/relay, air conditioning system, Motronic
3	A	Air conditioning ON signal	Auxiliary fan relay, stage 1
4	E	Terminal 15	Heater blower relay
5	A	Blower stage 1 (recirculated air)	Blower series resistor
6	M	Ground, indicator lamps	Ground connector
7	E	Terminal 15	Heater blower relay
8	A	Activation, fresh air/recirculated air	Fresh air/recirculated air motor

X18350

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

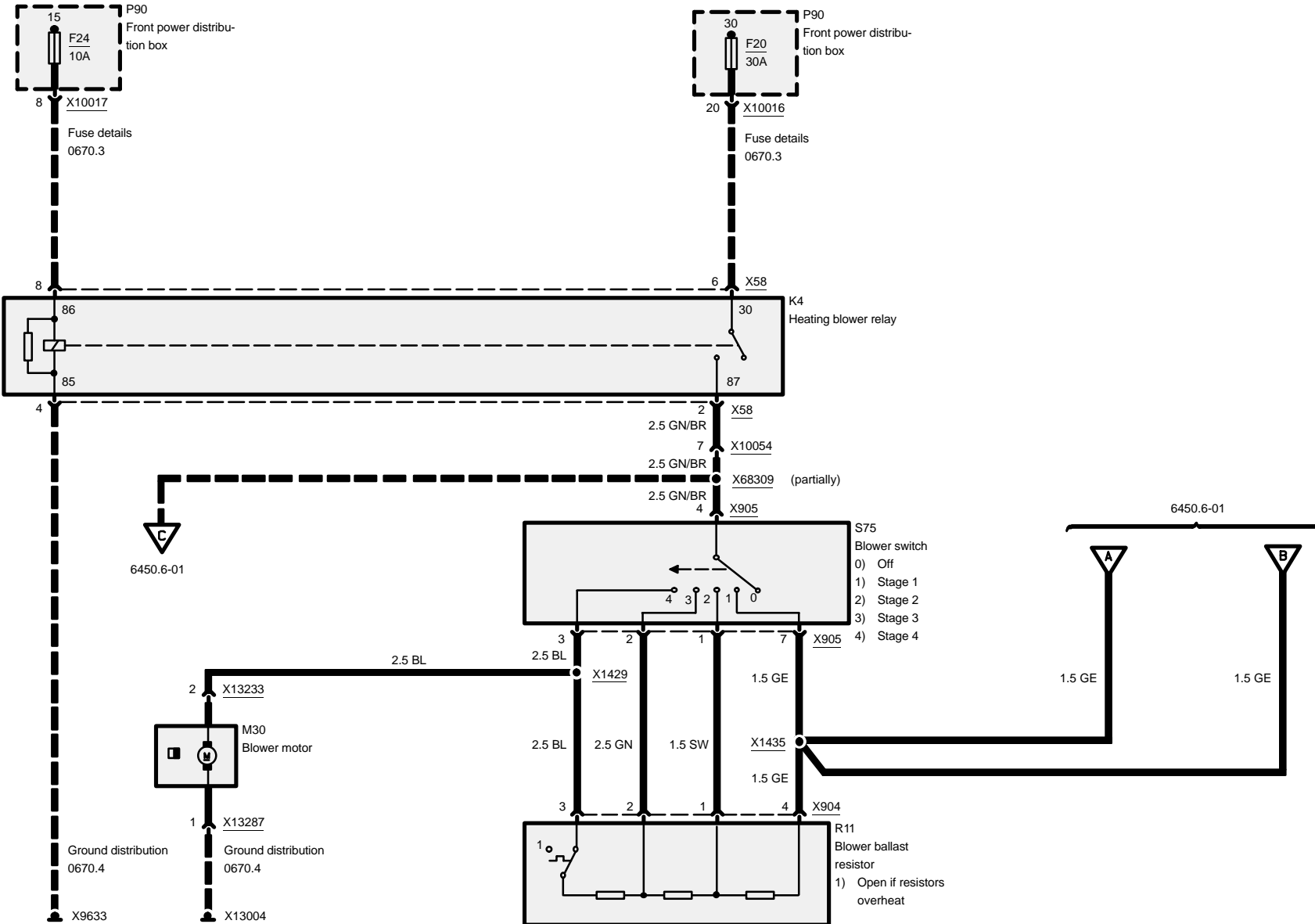


Automatic climate control (IHKS)

M43, M52

Current, air-flow control

Z3

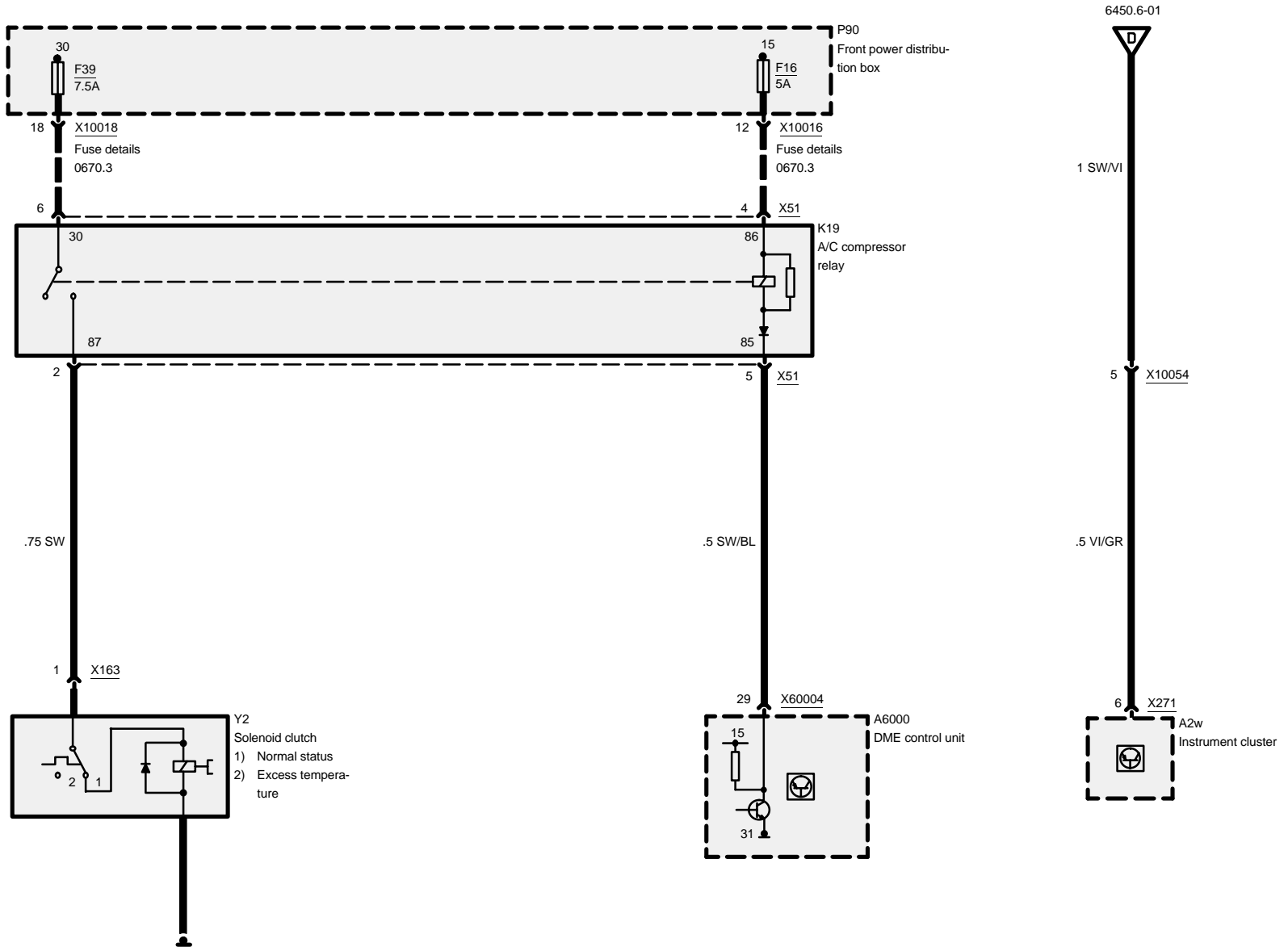




Automatic climate control (IHKS)

Compressor control

M43, M52



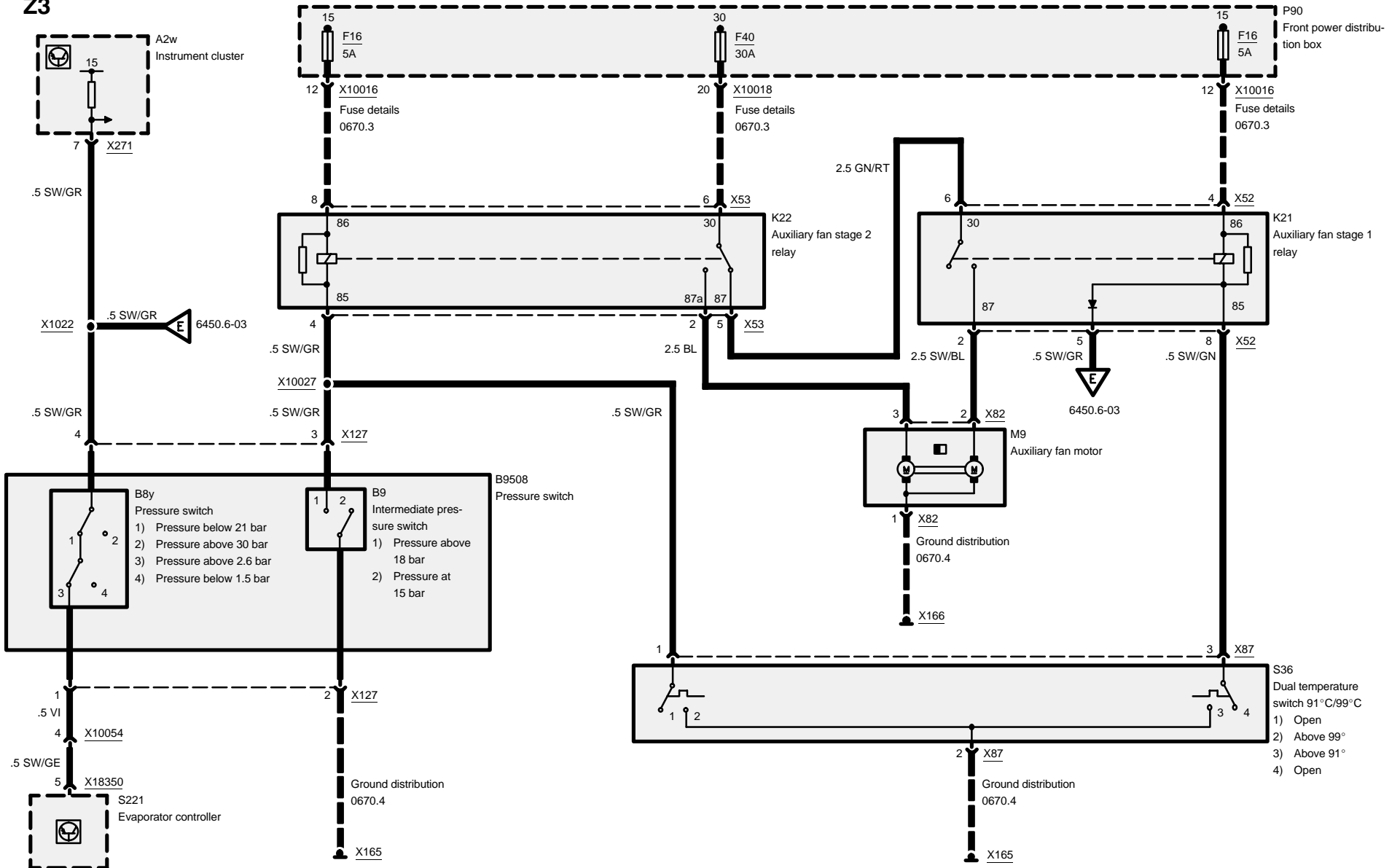


Automatic climate control (IHKS)

Auxiliary fan

M52

Z3



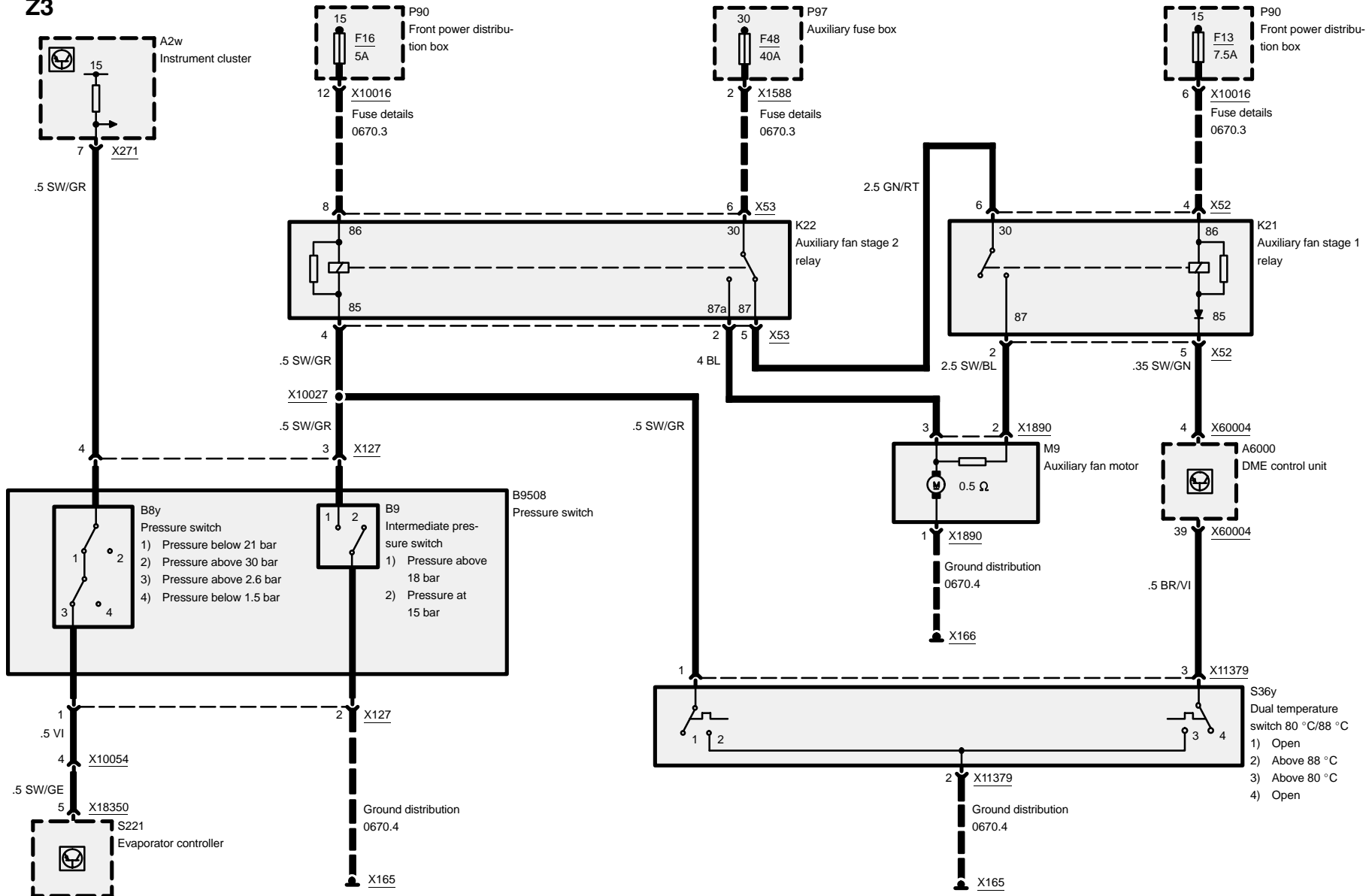


Automatic climate control (IHKS)

Auxiliary fan

M43

Z3



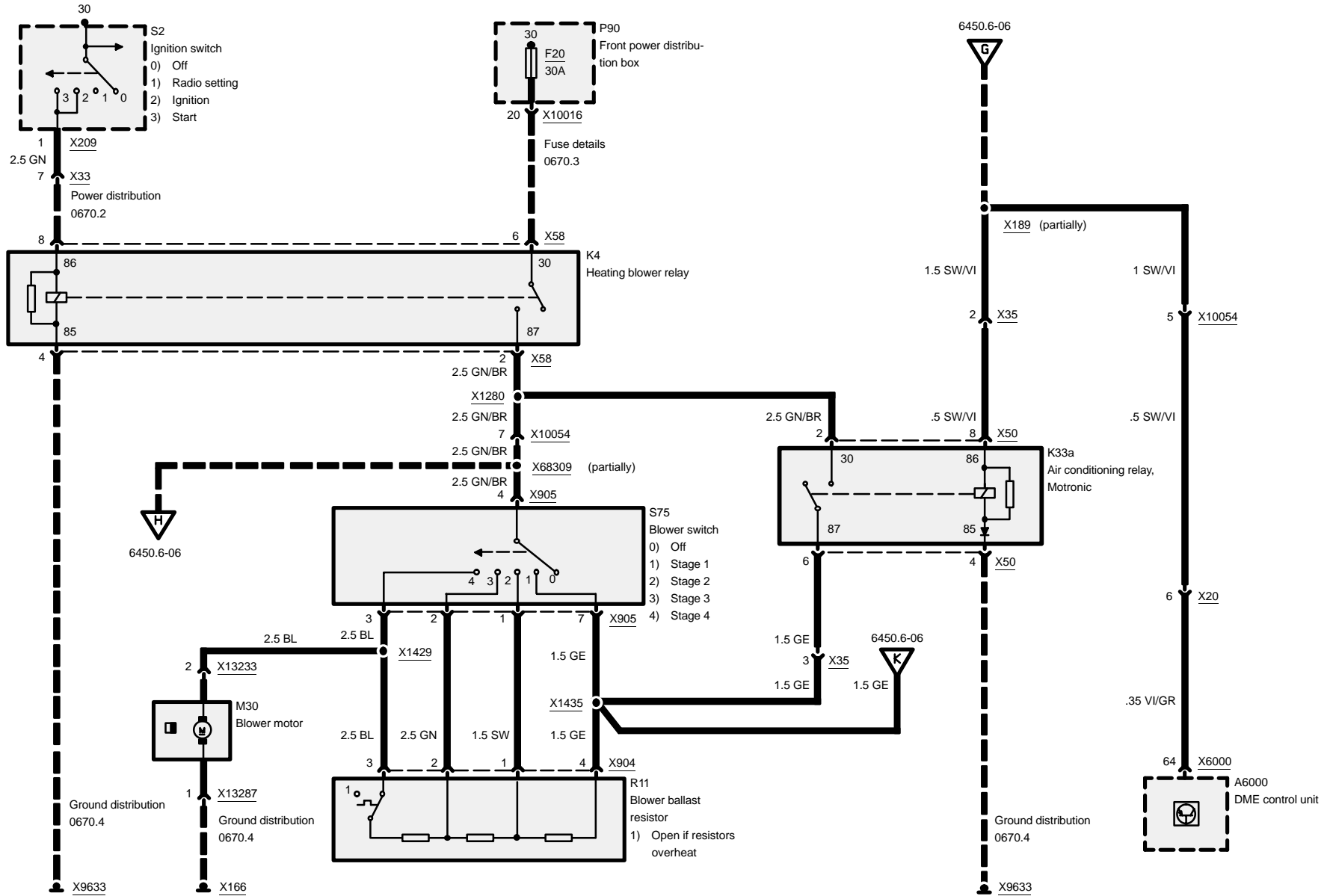


Automatic climate control (IHKS)

S50

Current, air-flow control

Z3



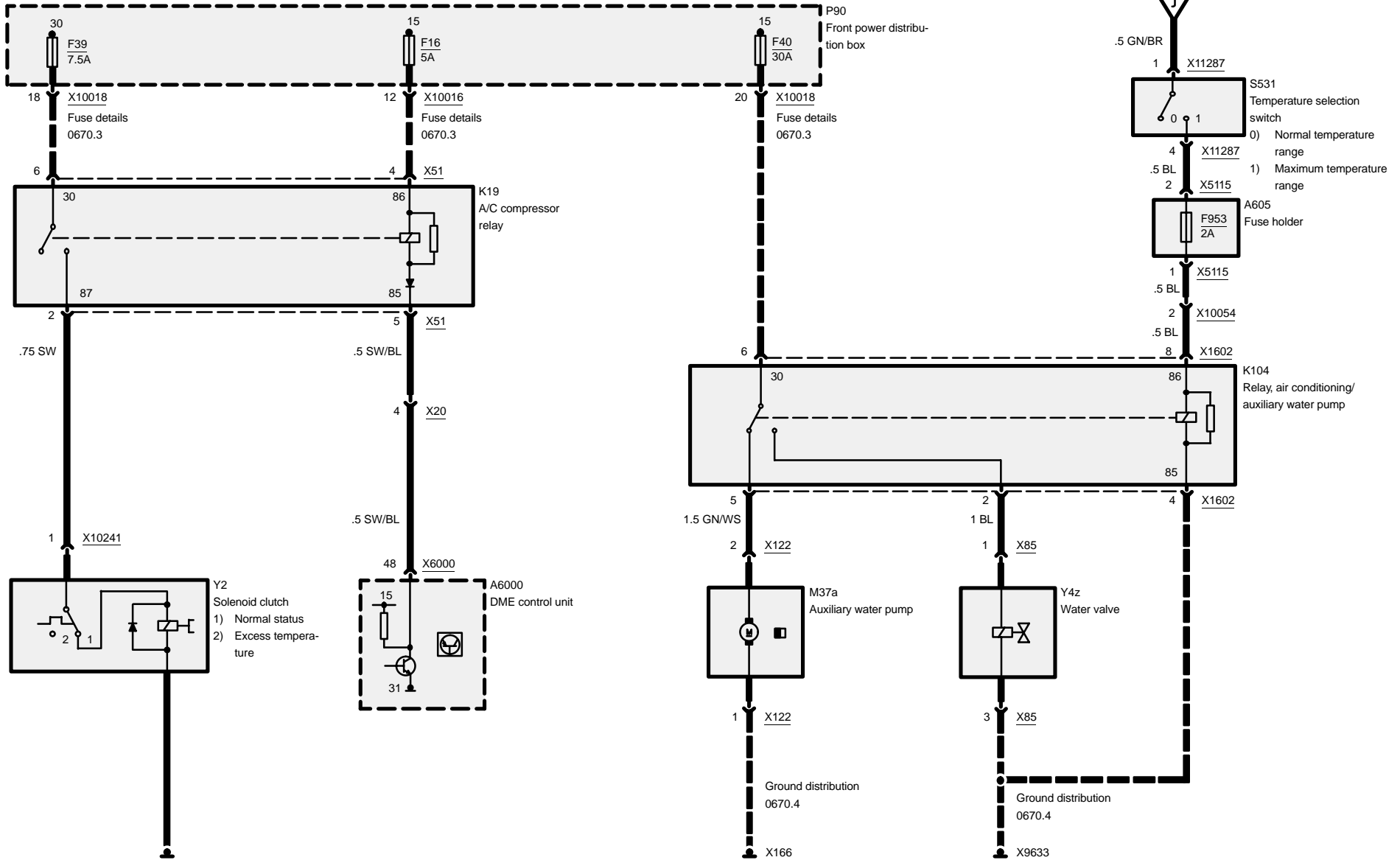


Automatic climate control (IHKS)

Compressor control and water supply

S50

Z3



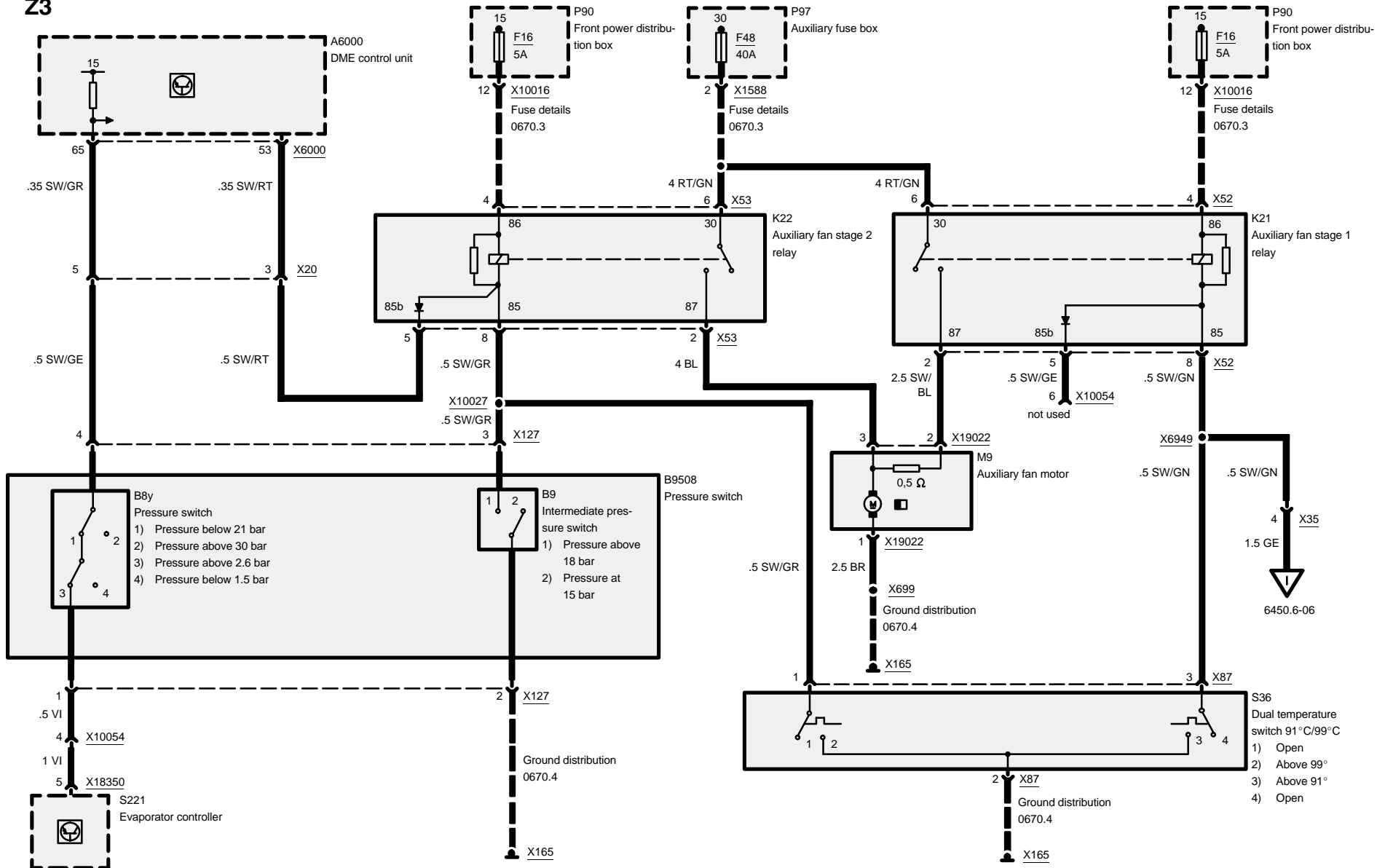


Automatic climate control (IHKS)

S50

Auxiliary fan

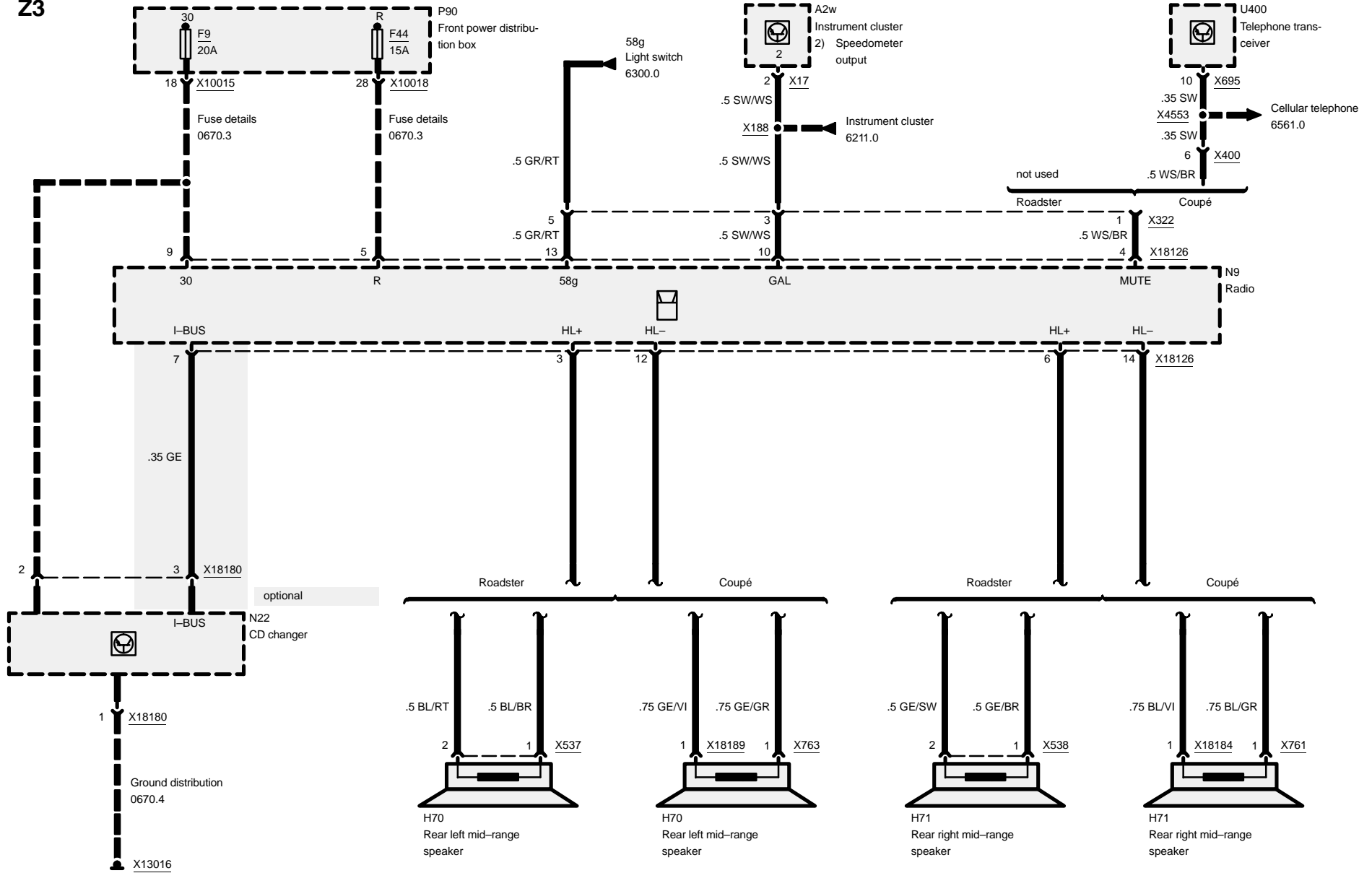
Z3





6510.0 Radio/Stereo

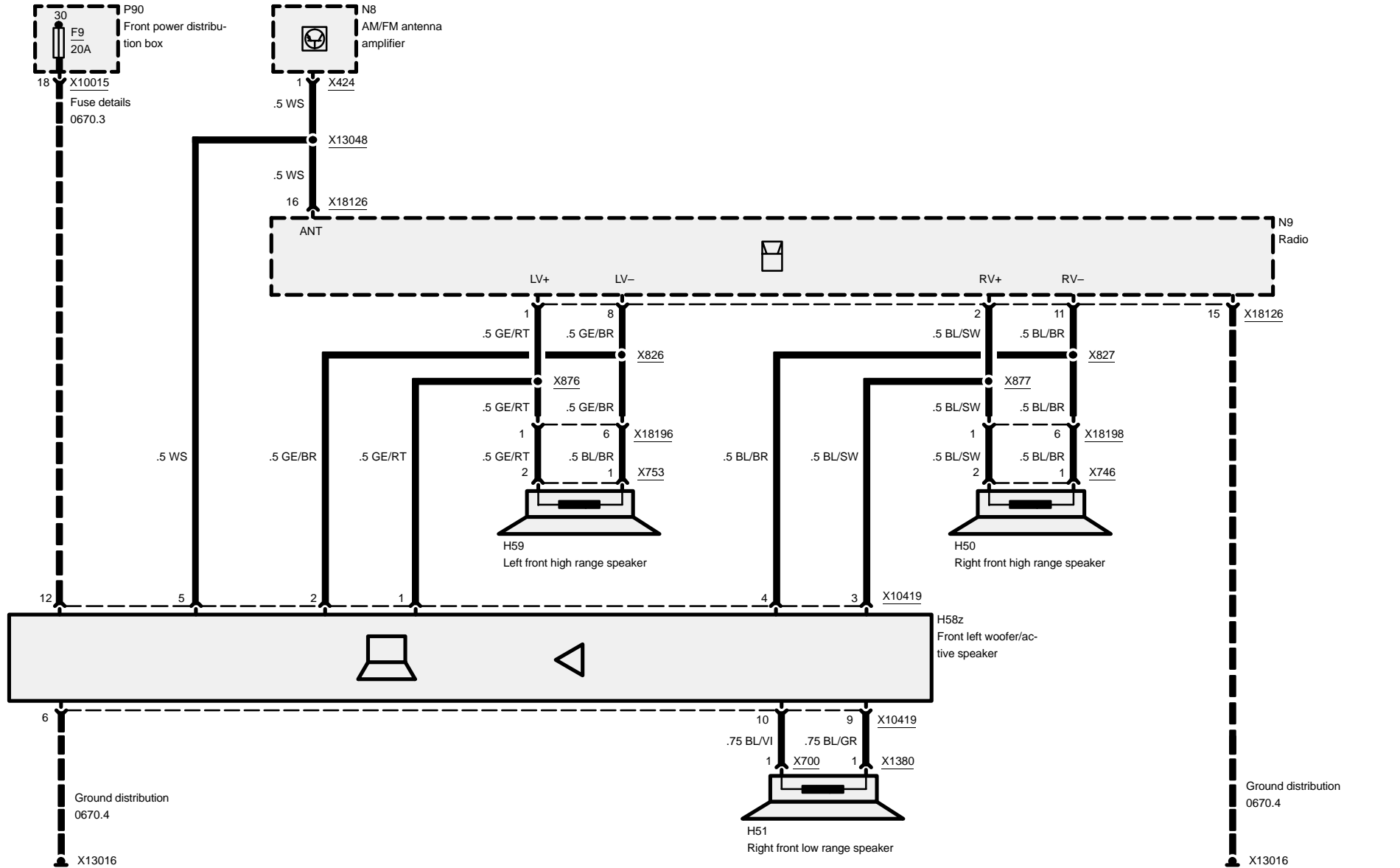
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Radio/Stereo

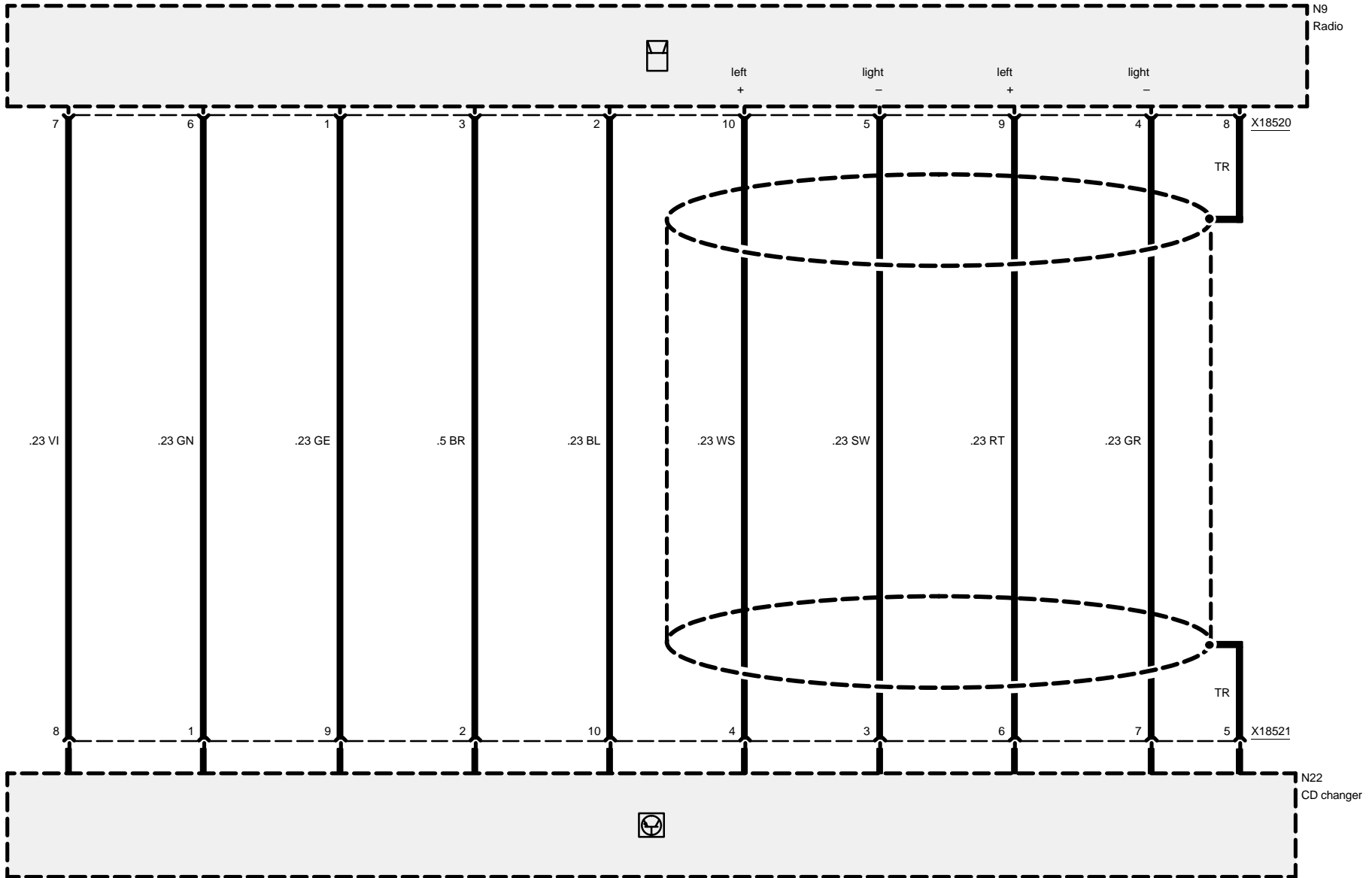
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Radio/Stereo

Z3

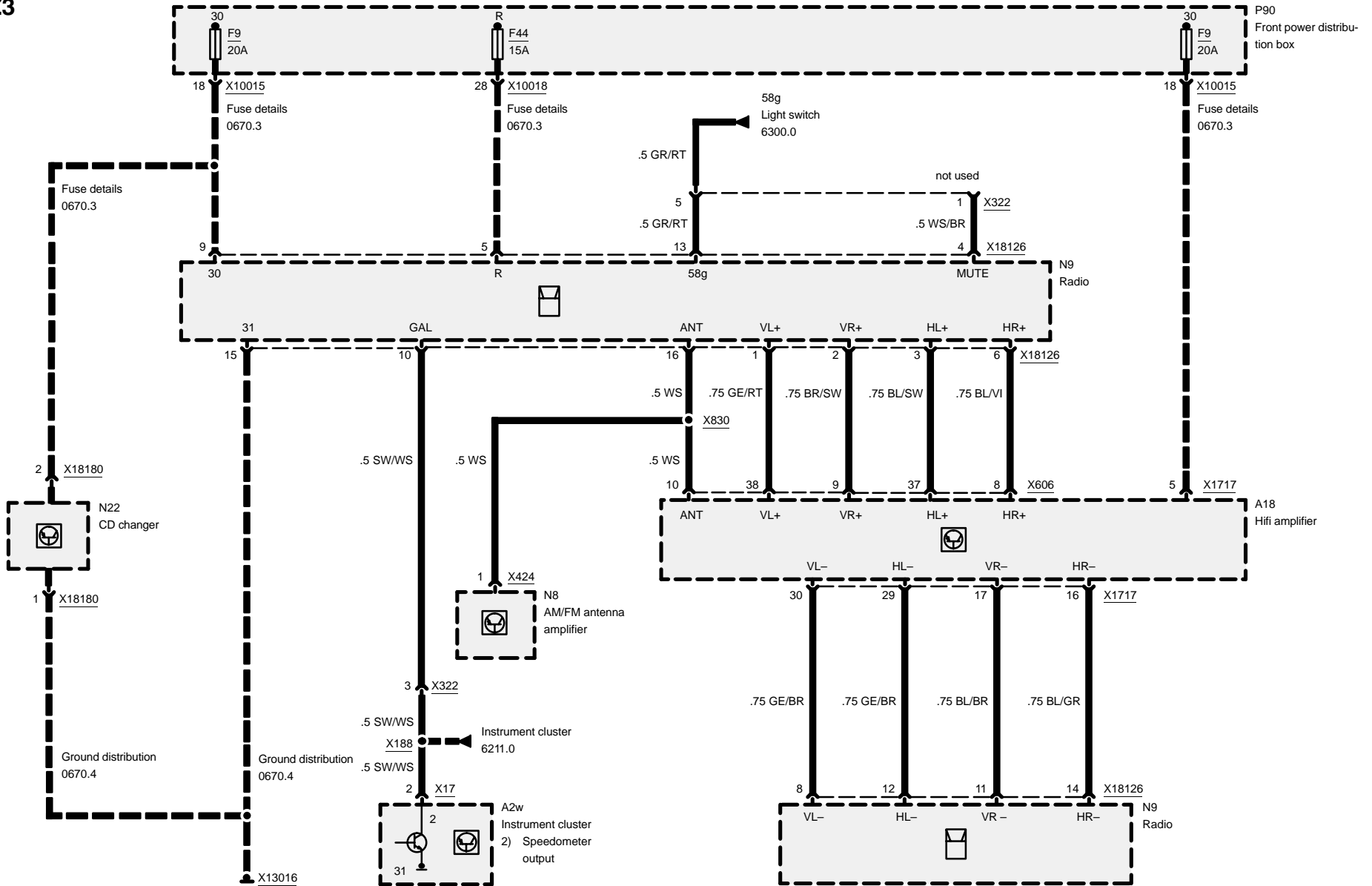




Z3

6510.1 Radio/HiFi

Roadster with Hifi



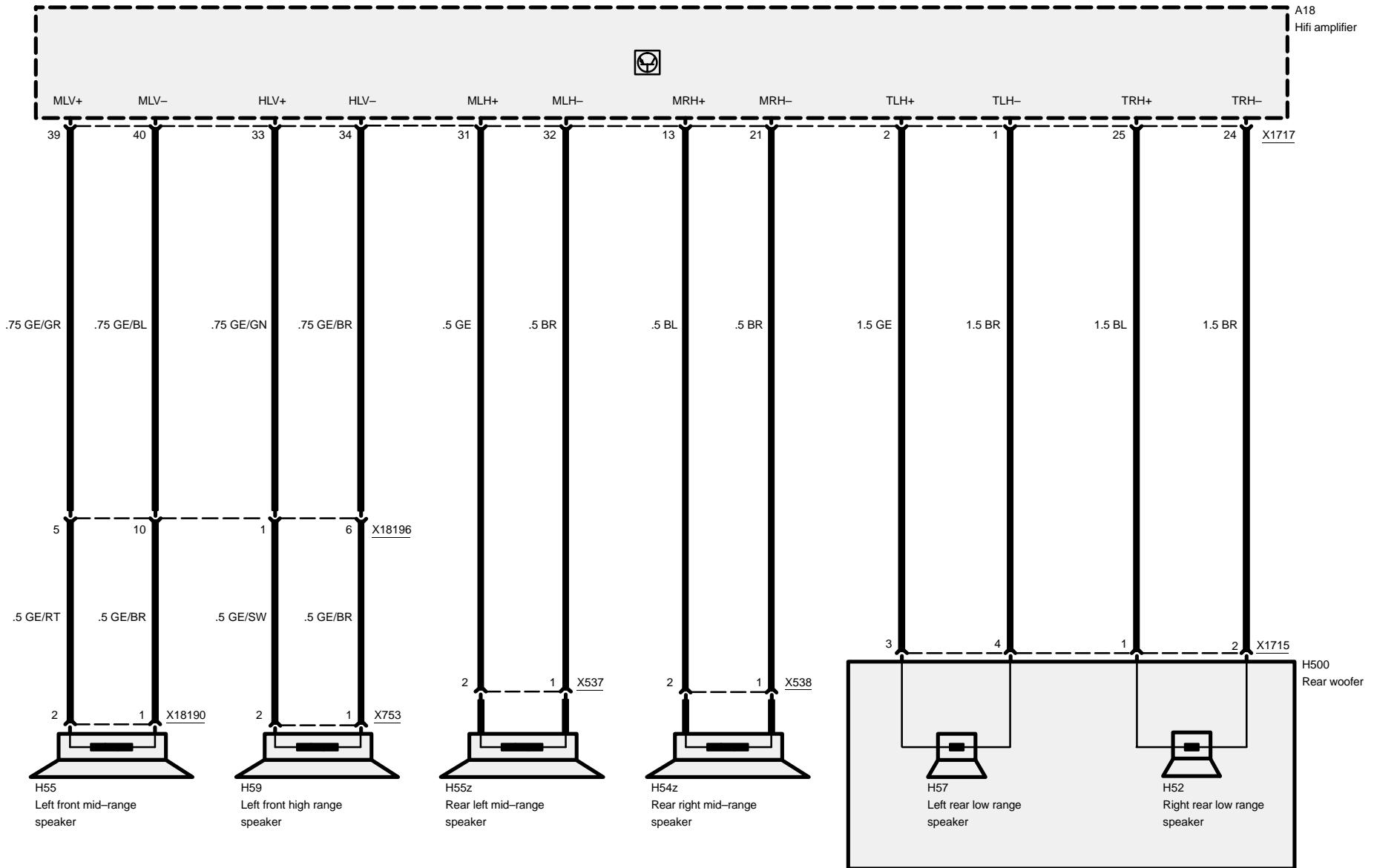
10/99

6510.1-00

2000

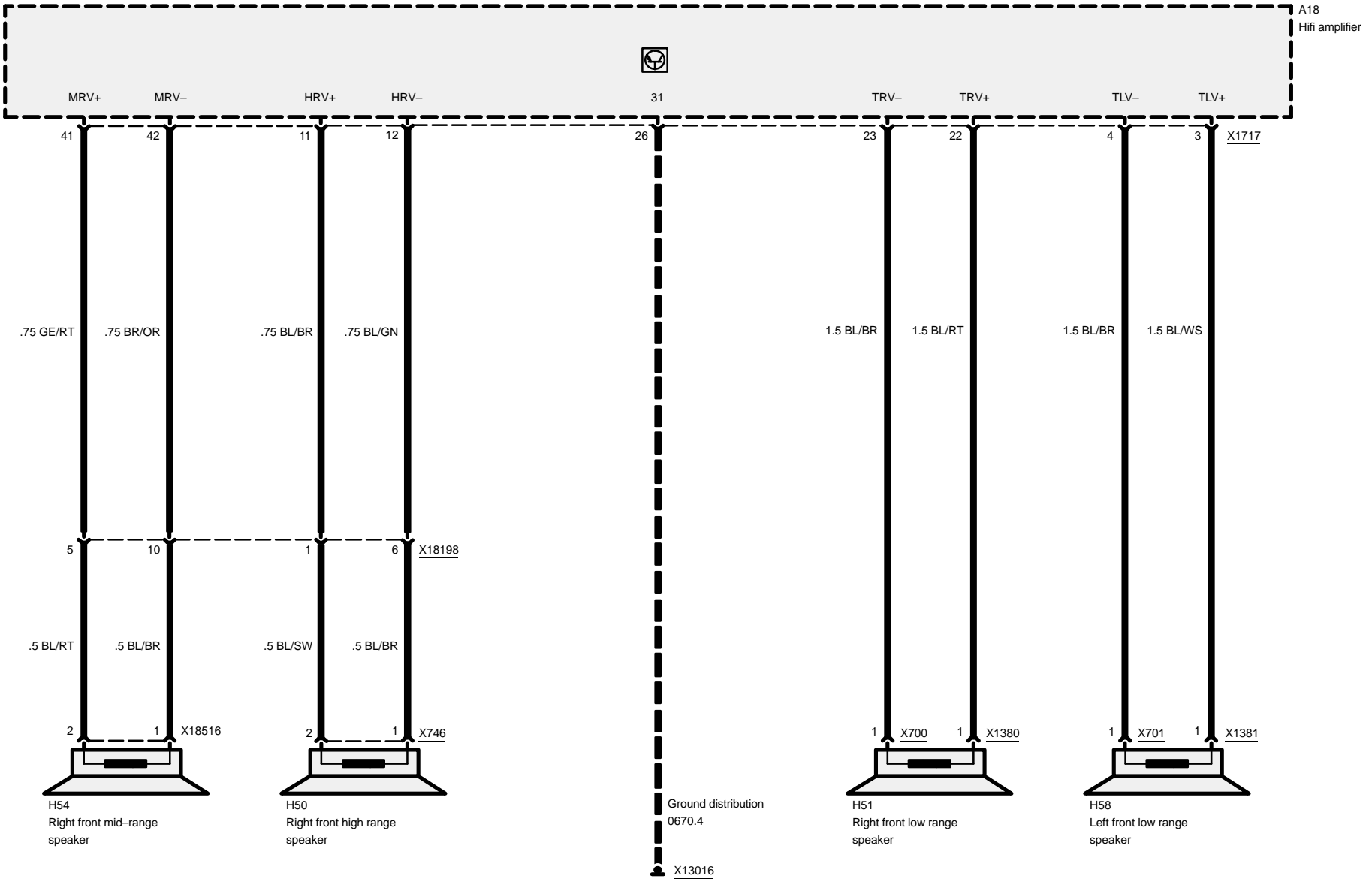


Z3





Z3

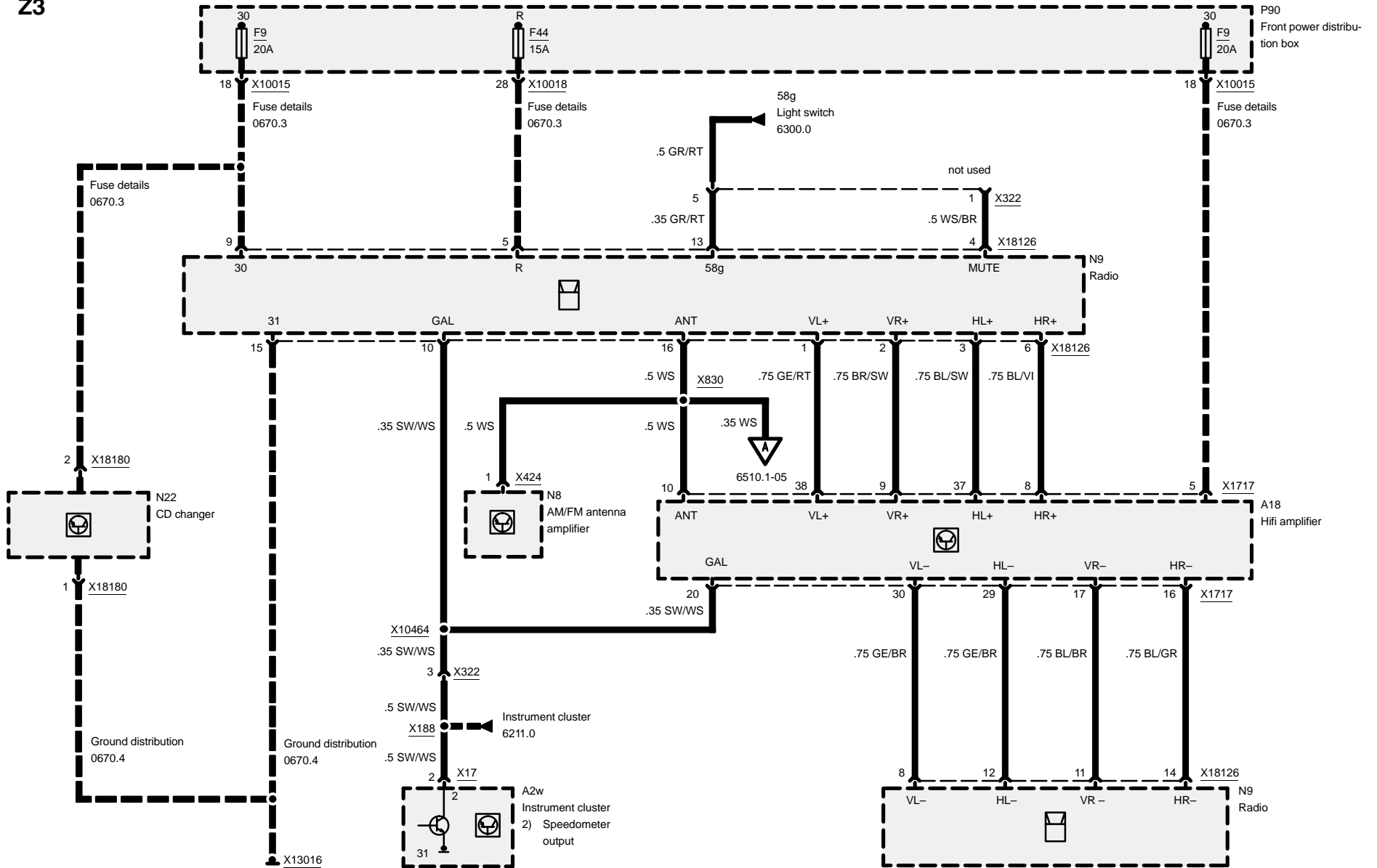




Z3

Radio/HiFi

Roadster with Harman Kardon sound system



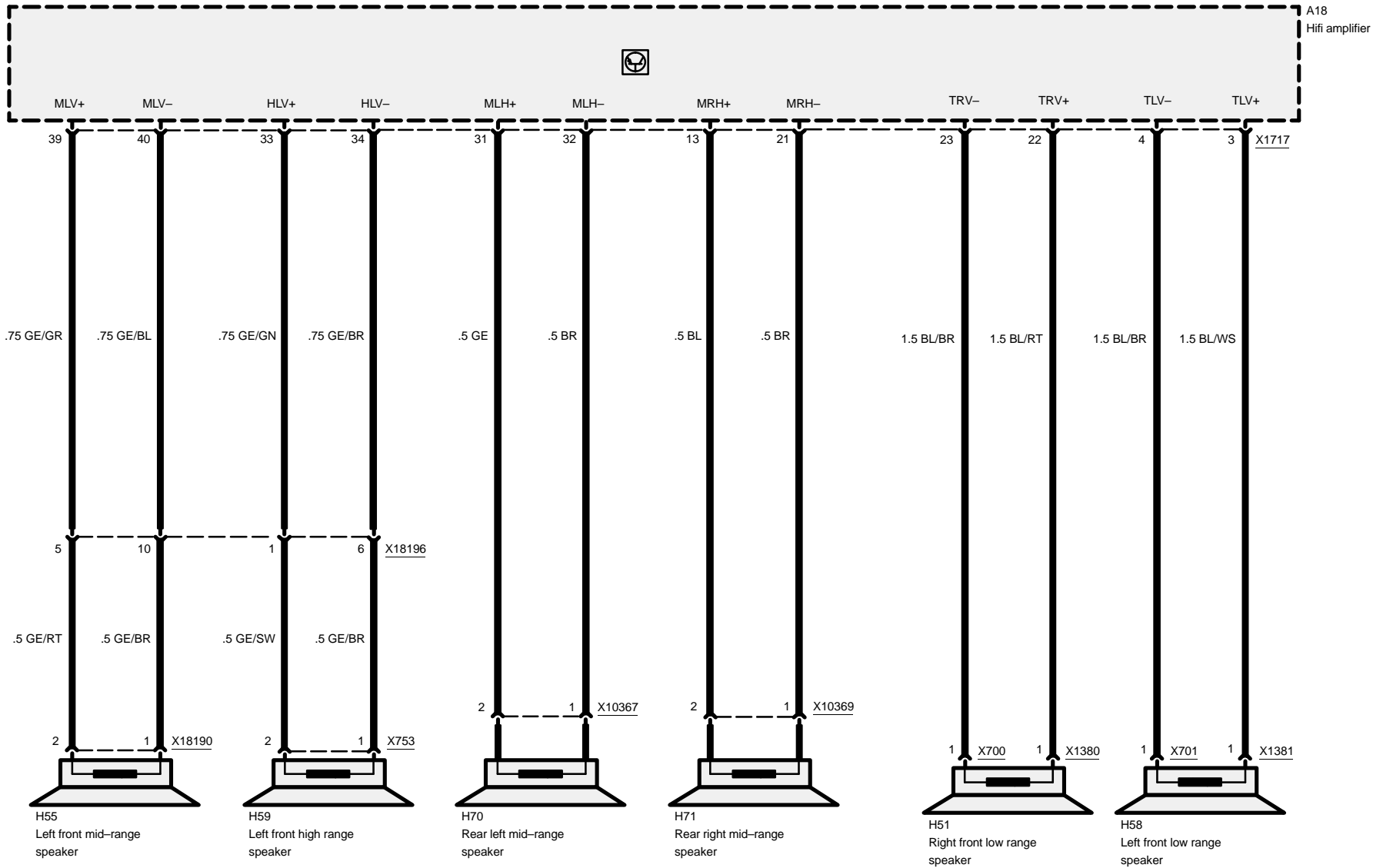
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6510.1-03

2000



Z3

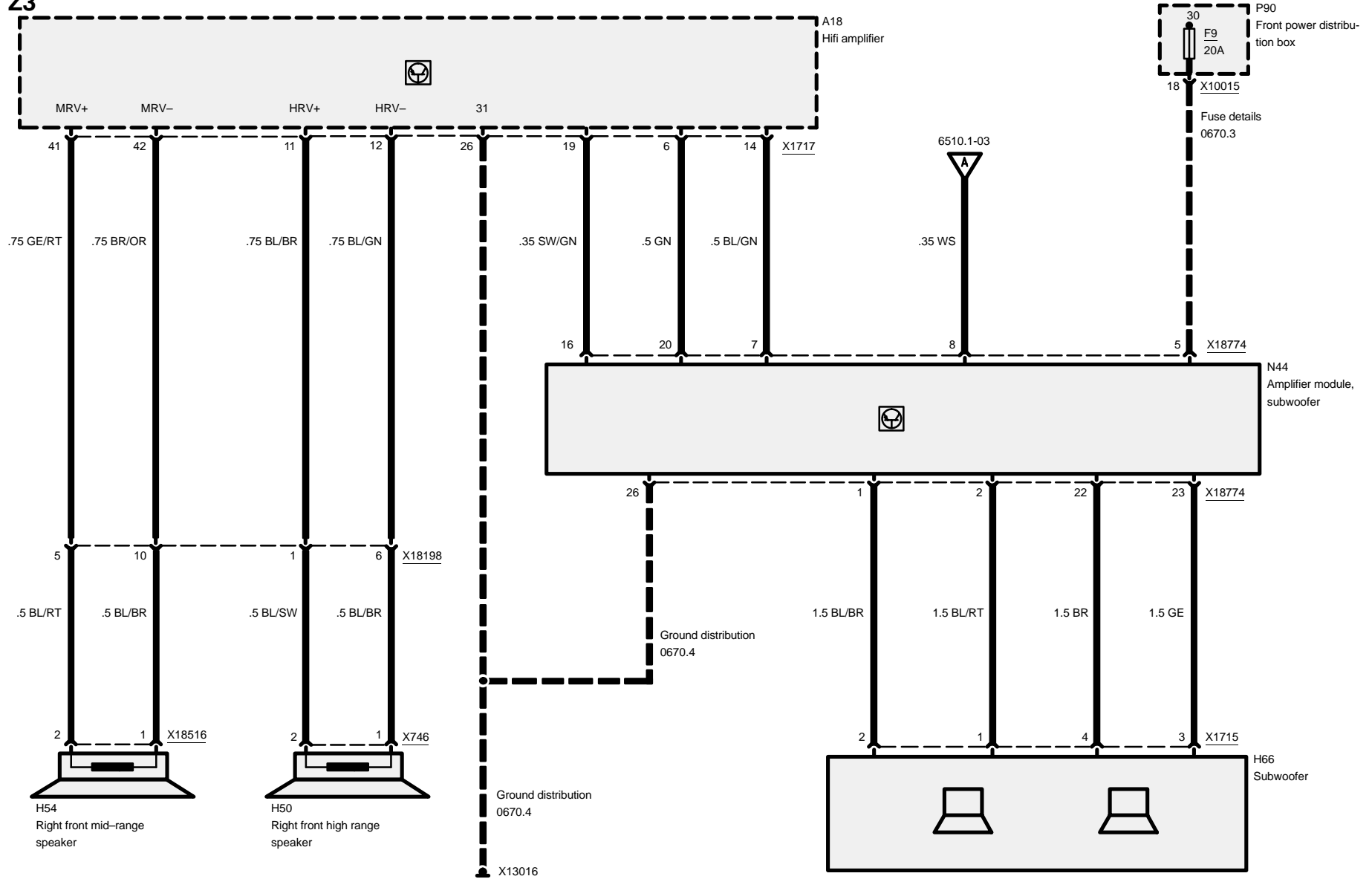




Radio/HiFi

Roadster with Harman Kardon sound system

Z3

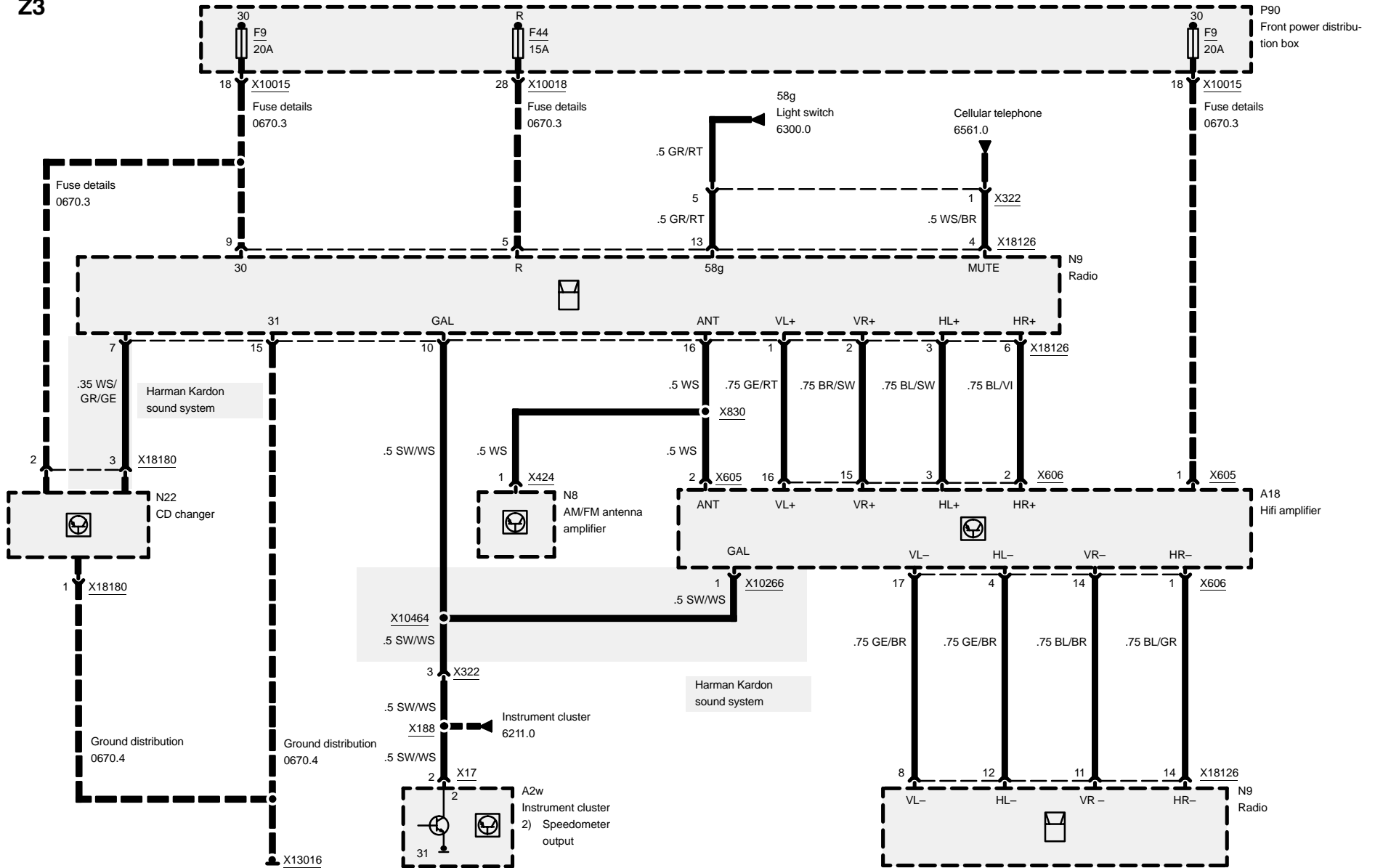




Z3

Radio/HiFi

Coupé

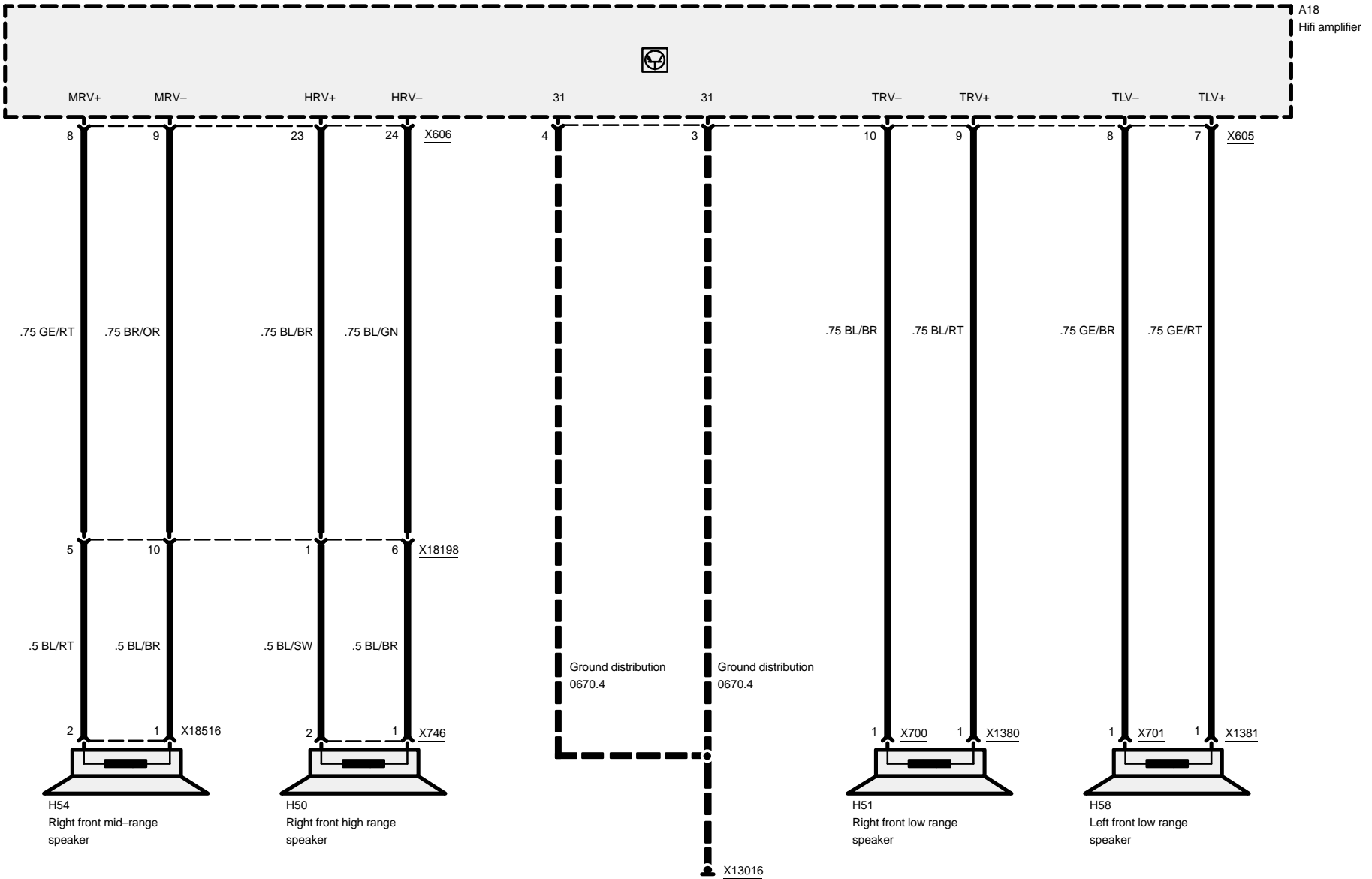




Radio/HiFi

Coupé

Z3

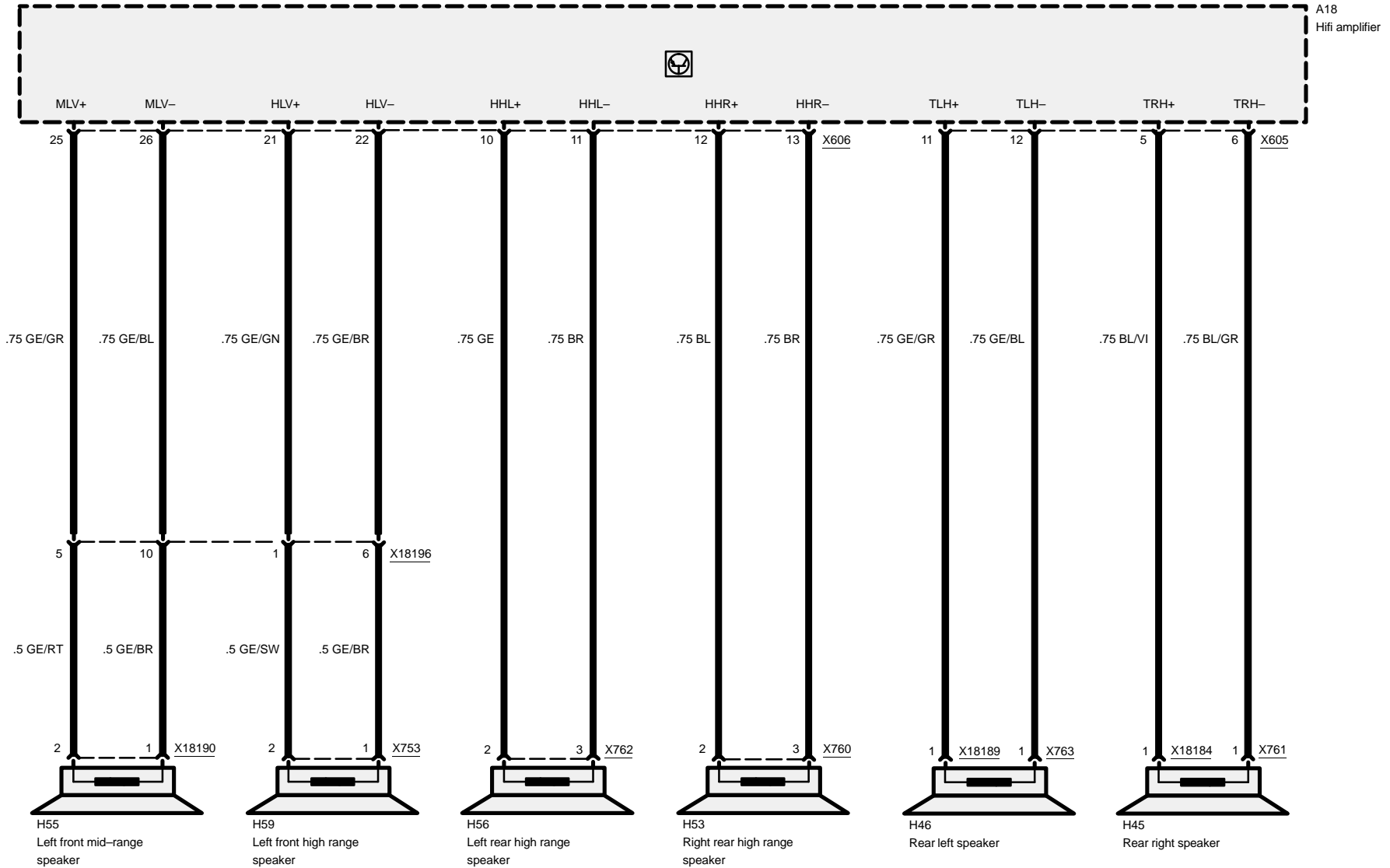




Radio/HiFi

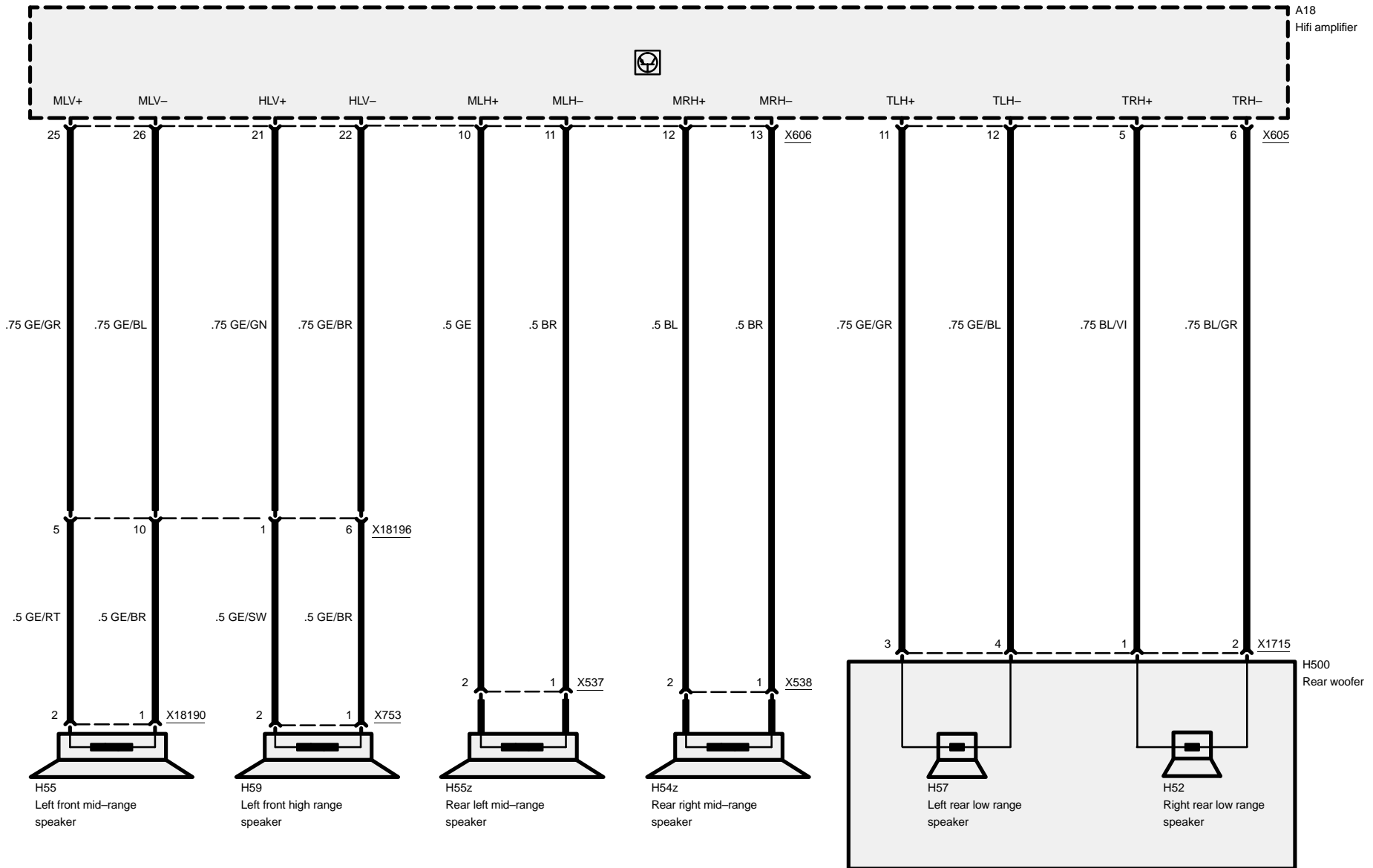
Coupé with Hifi

Z3





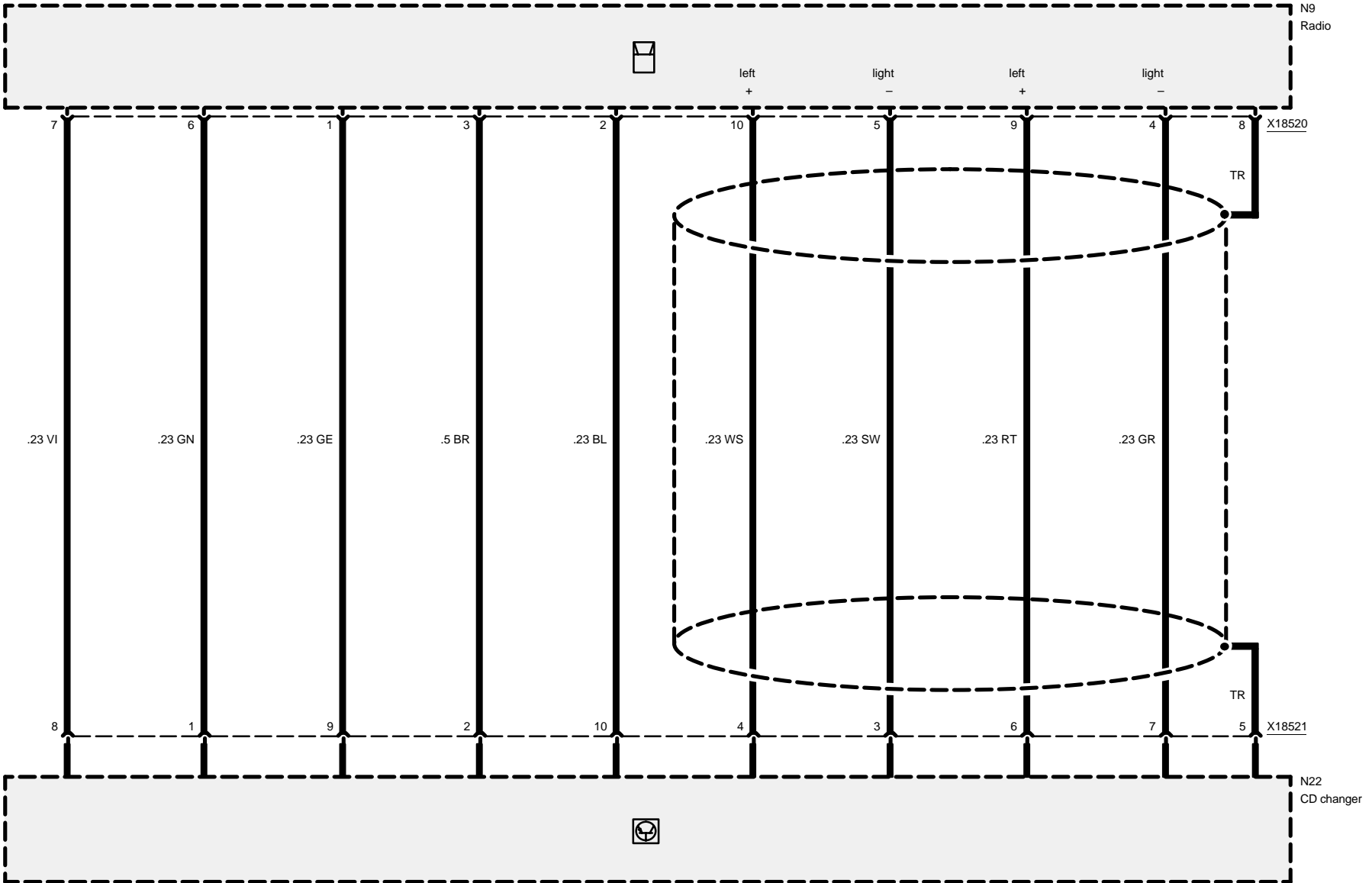
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Radio/HiFi

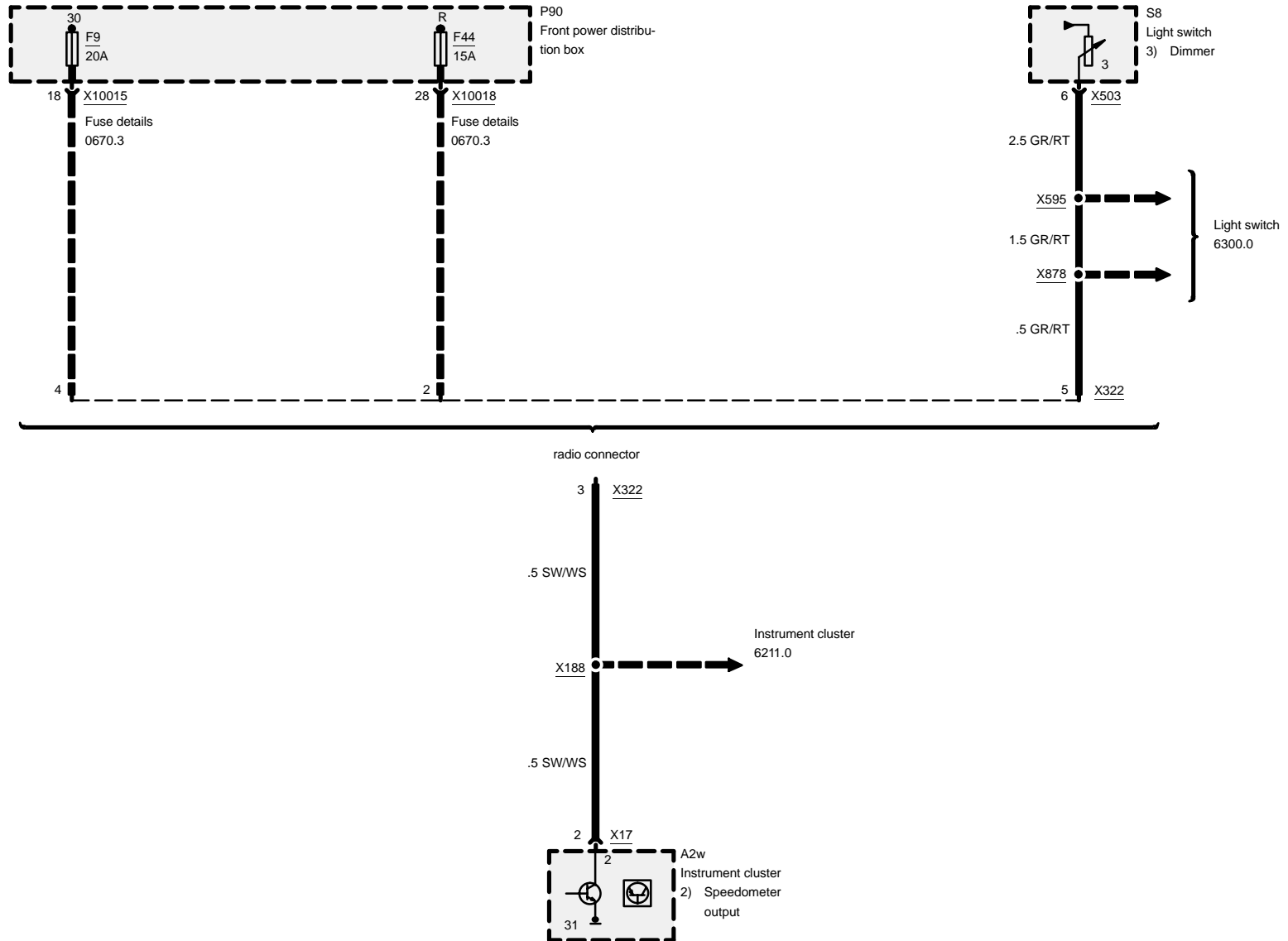
Z3





Z3

6510.2 Radio provisions



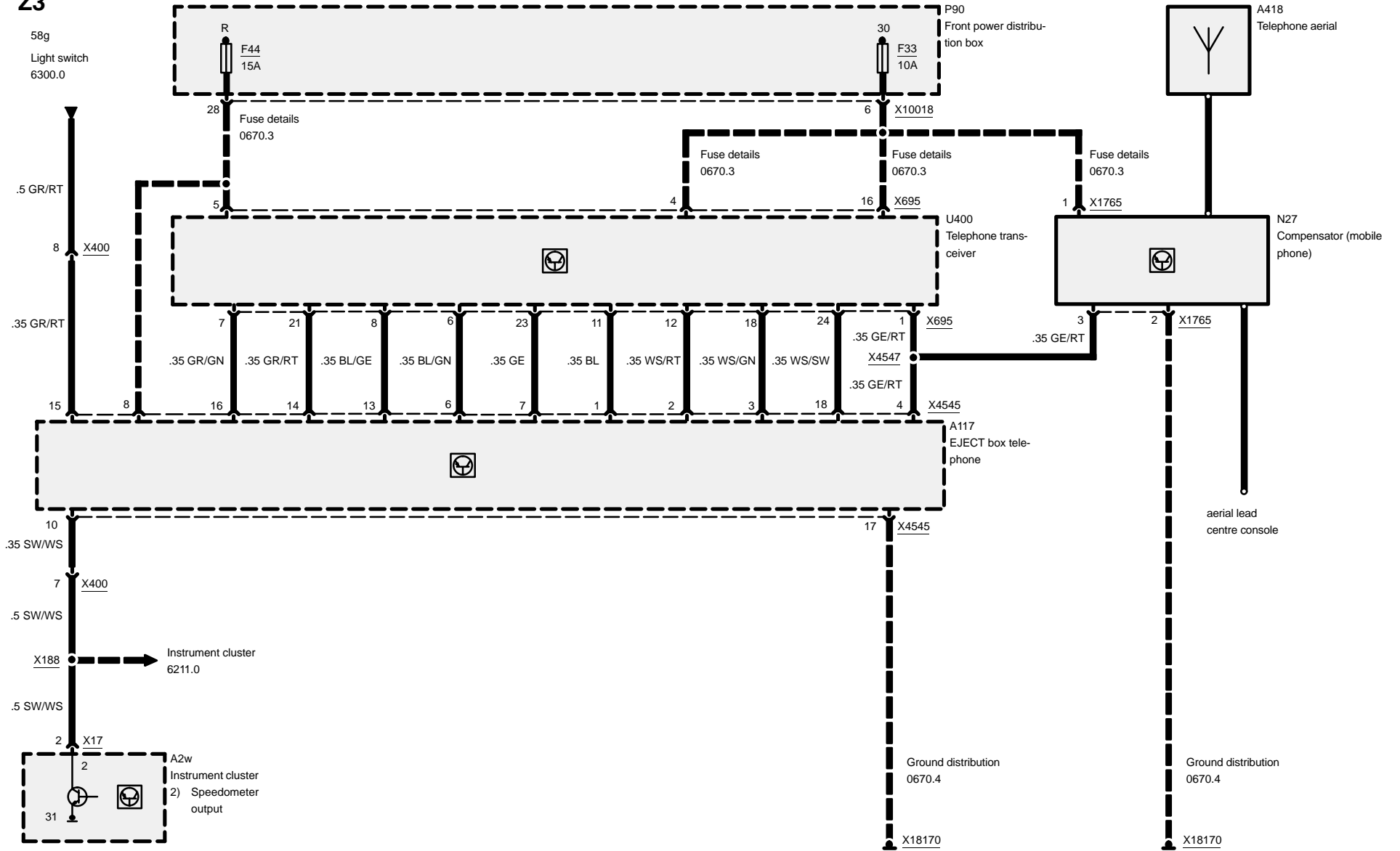


6561.0 Cellular telephone

Provisions (Coupé)

Z3

58g
Light switch
6300.0



10/99

6561.0-00

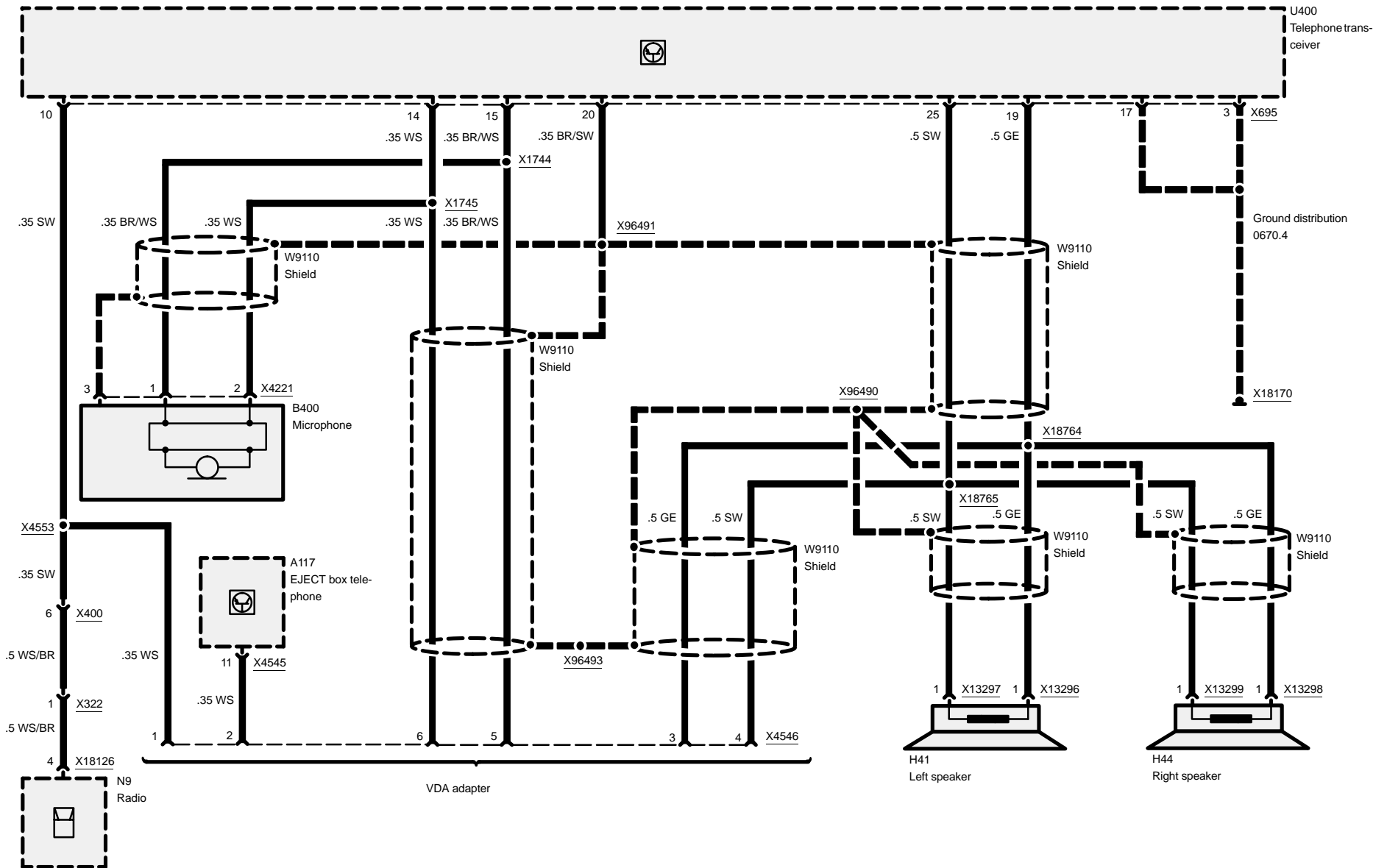
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Cellular telephone

Provisions (Coupé)

Z3



10/99

6561.0-01

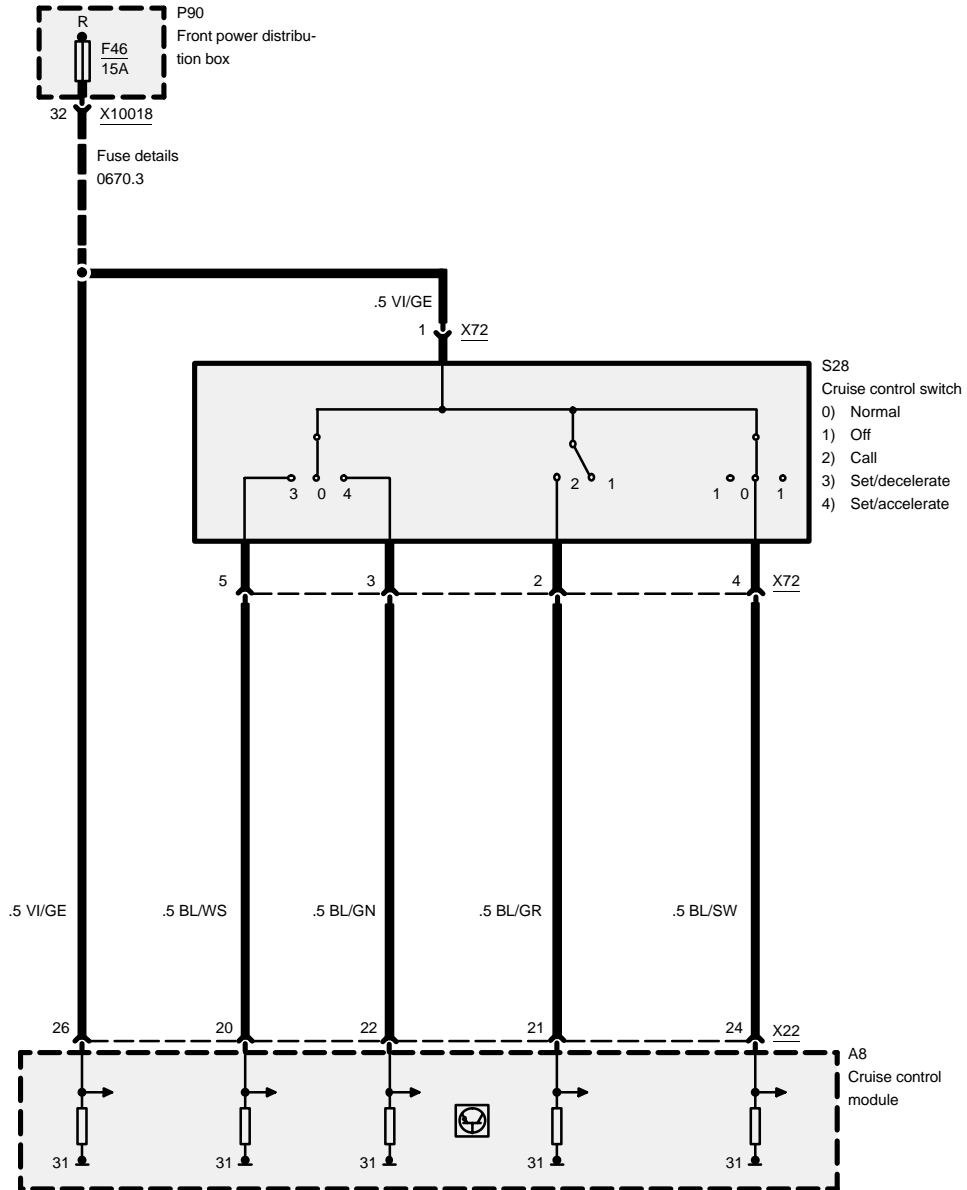
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Z3

6571.0 Cruise control

M43, S50

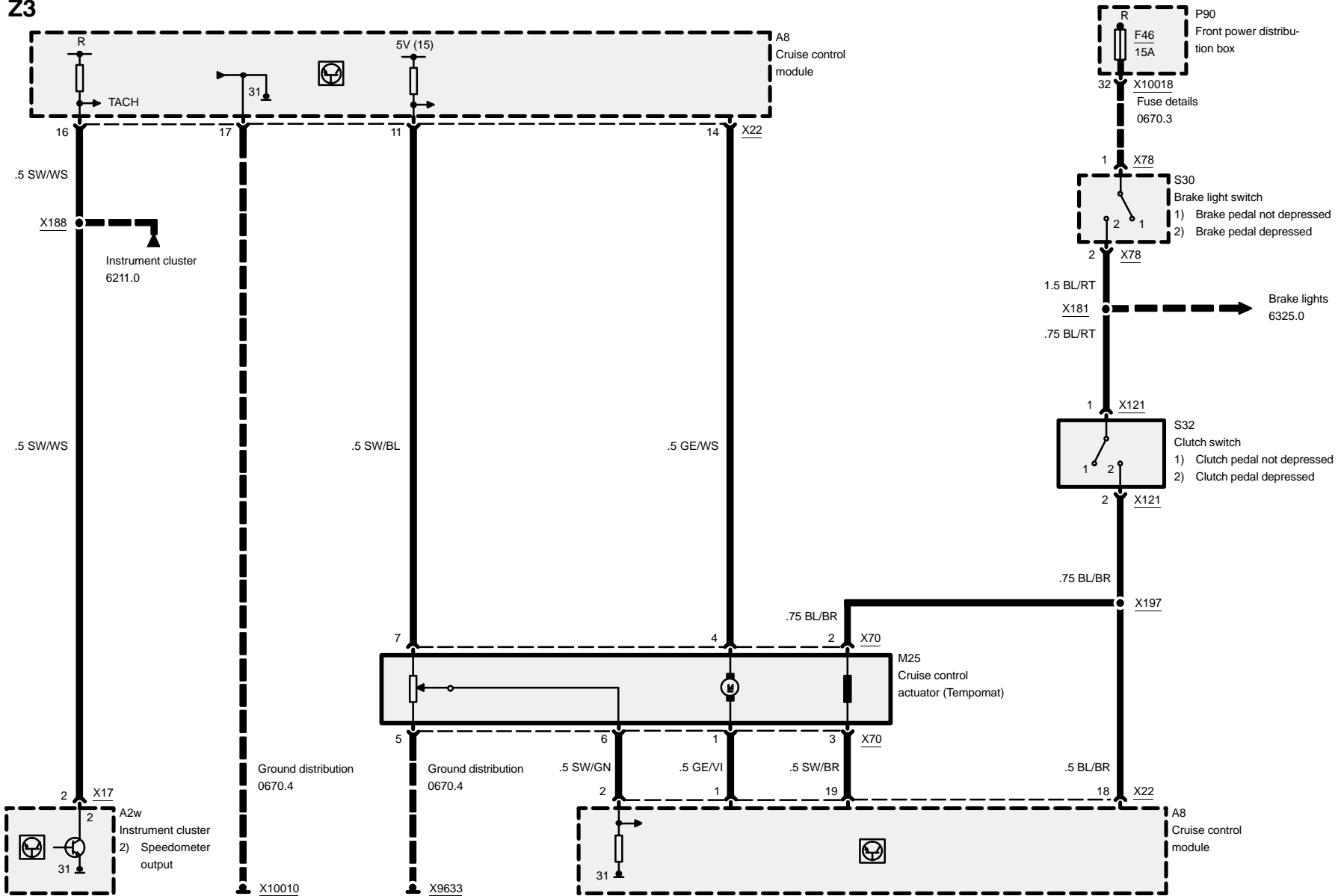




Cruise control

M43, S50

Z3

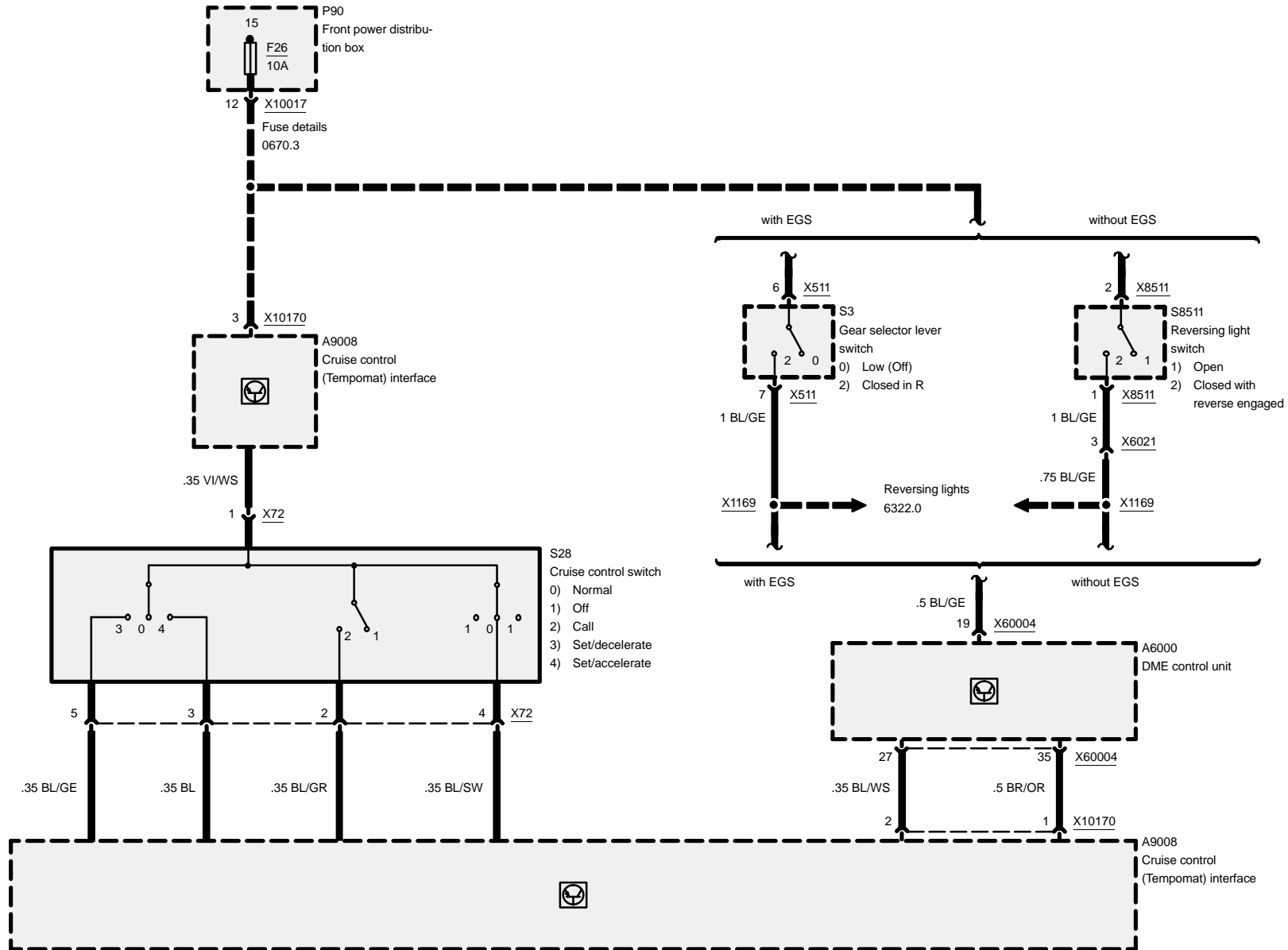




Z3

Cruise control

M52 Right-hand drive

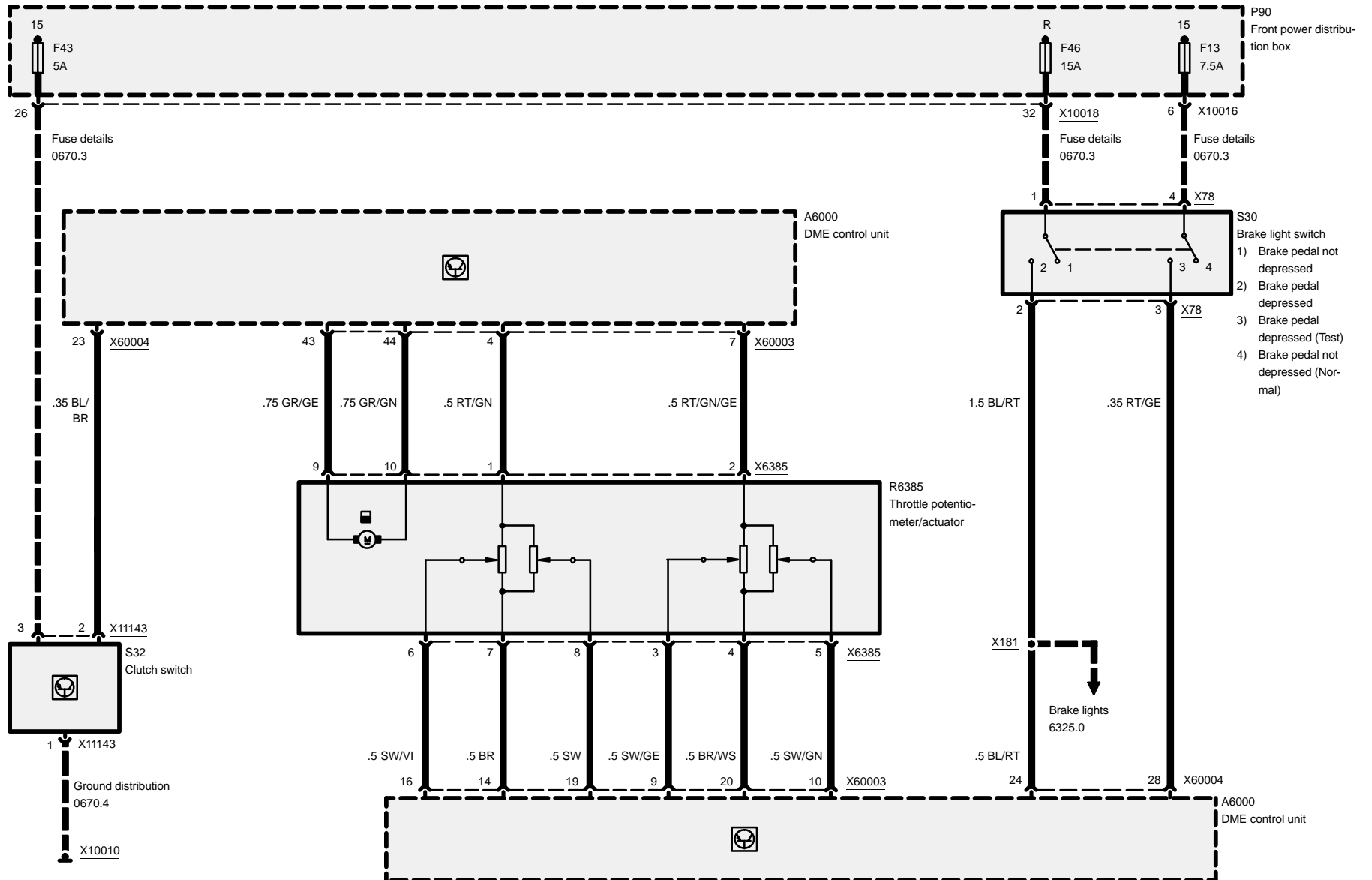




Cruise control

M52

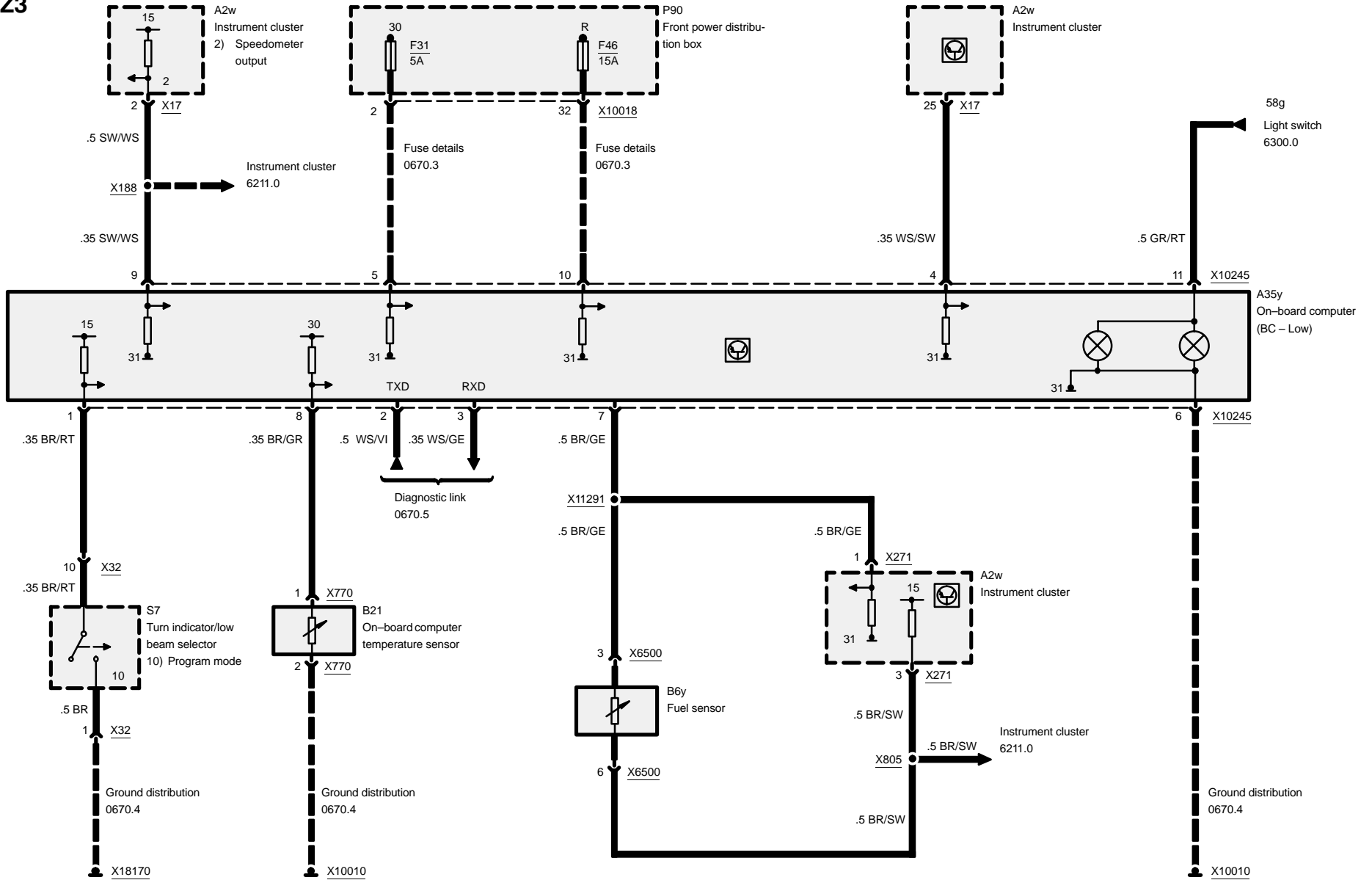
Z3





6581.3 On-board computer (BC - Low)

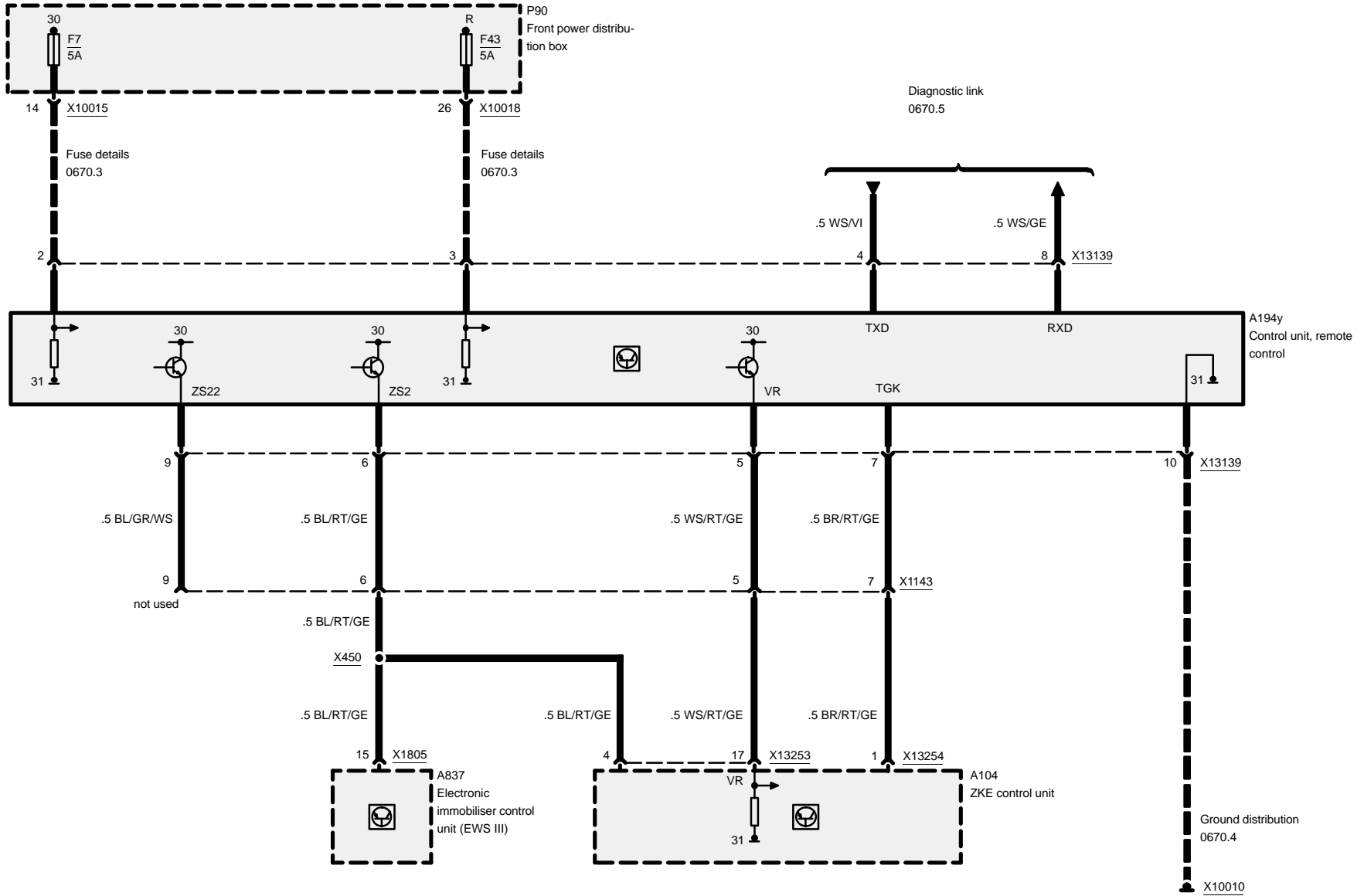
Z3





6610.2 Remote control ZV/DWA

Z3





7000.0 Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
A2w	Instrument cluster	LH side of dash	21-2	
A7	ABS control unit	behind glove compartment	00-1	
A8	Cruise control module	behind glove compartment	00-2	
A12	Airbag diagnostic module	below centre console	00-3	
A18	Hifi amplifier	in LH side of luggage compartment behind trim (Roadster)	01-2	
A18	Hifi amplifier	in front RH side of glove compartment (Coupé)	54-3	
A35y	On-board computer (BC – Low)	centre console	01-3	
A36	Rear wipe/wash interval control unit	in rear lid	33-2	
A51	Wipe/wash module	behind glove compartment	44-1	
A52	ABS/ASC control unit	LH side of engine compartment	08-2	
A64	Wipe-wash module (Low II)	behind glove compartment	44-1	
A65	Control unit, dynamic stability control (DSC)	LH side of engine compartment	48-1	
A104	ZKE control unit	behind glove compartment	44-1	
A110	Digital clock	centre console		
A117	EJECT box telephone	centre console		
A113	Electronic seat control	under RH front seat	25-2	
A113	Electronic seat control	under RH front seat (sports seat)	35-2	
A121	Interior movement detector	footwell, driver's side (Roadster)	44-3	
A121	Interior movement detector	in head lining (Coupé)	42-1	
A123	Interior movement detector II	on centre console, right	43-2	
A194y	Control unit, remote control	near interior rear view mirror		
A605	Fuse holder	centre console	29-3	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
A837	Electronic immobiliser control unit (EWS III)	near steering column	41-1	
A6000	DME control unit	rear RH side of engine compartment in electronics box	01-1	
A8500	EGS control unit	rear RH side of engine compartment in electronics box	47-2	
A9008	Cruise control (Tempomat) interface	on steering column	41-1	
A19007	Control unit, thermal oil level sensor (TOENS)	behind glove compartment	43-3	
B1	Front right ABS sensor	on RH front wheel, above brake calliper		
B2	Front left ABS sensor	on LH front wheel, above brake calliper	13-3	
B3	Rear right ABS sensor	on RH rear wheel, above brake calliper		
B4	Rear left ABS sensor	on LH rear wheel, above brake calliper		
B6y	Fuel sensor	installed in fuel tank		
B8y	Pressure switch	front RH side of engine compartment		
B9	Intermediate pressure switch	front RH side of engine compartment		
B10	Speedometer reed contact	on differential	16-2	
B14	Evaporator sensor	RH side of LH footwell	22-2	
B16	Front left brake pad sensor	on LH front wheel, above brake calliper	13-3	
B17	Rear right 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	wheel well, front right (M52)	35-3	
B21	On-board computer temperature sensor	on front LH wheel well (4-cylinder)	13-1	
B21z	Outside temperature sensor	RH rear wheel well	33-1	
B28	Gradient monitor (DWA)	in LH side of luggage compartment behind trim	28-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
B59	Oil temperature gauge	centre console		
B74	Transverse acceleration sensor	under driver's seat	41-3	
B75	Rpm rate sensor	under driver's seat	41-3	
B76	Pressure sensor	rear LH side of engine compartment	45-3	
B78	Driver's side impact sensor	under driver's seat	38-3	
B79	Passenger's side impact sensor	under passenger's seat	38-1	
B400	Microphone	in windscreen header	42-2	
B921	Outside temperature gauge	centre console		
B6203	Crankshaft sensor	rear of engine compartment (M43)	02-2	
B6203	Crankshaft sensor	rear LH side of engine compartment (S50)		
B6203	Crankshaft sensor	rear LH side of engine compartment (M52)	48-2	
B6204	Camshaft sensor	front top of engine	52-2	
B6205	Intake air temperature sensor	LH side of engine compartment (M52)	49-1	
B6205	Intake air temperature sensor	LH side of engine compartment (S50)	37-3	
B6207	Hot-film air mass meter	front of engine	53-3	
B6214	Camshaft sensor 1 (inlet)	LH side of engine		
B6224	Camshaft sensor 2 (exhaust)	front of engine	48-3	
B6231	Oil pressure switch	LH bottom of engine (M43, S50)		
B6231	Oil pressure switch	LH bottom of engine (M52)	50-3	
B6232	Remote thermometer sensor	LH side of engine	52-3	
B6236	Coolant temperature sensor	LH side of engine compartment	49-3	
B6238	Oil temperature sensor	RH side of oil filter		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
B6238	Oil temperature sensor	RH side of oil filter (M52)	50-3	
B6240	Knock sensor	front top of engine (M52)	47-3	
B6241	Knock sensor 1 (cyl. 1 and 2)	LH top of engine		
B6241z	Knock sensor 1	LH side of engine		
B6242	Knock sensor 2 (cyl. 3 and 4)	LH top of engine		
B6243	Knock sensor 3 (cyl. 5 and 6)	LH top of engine		
B6254	Oil level switch, thermal	underside of oil tray (M43, M52)	15-3	
B6254	Oil level switch, thermal	underside of oil tray (S50)	40-3	
B6256	Dual temperature sensor (coolant temperature)	rear of engine compartment		
B6277	VANOS sensor 1 (inlet)	front of engine	36-2	
B6278	VANOS sensor 2 (exhaust)	front of engine	37-1	
B6279	Thermostat, characteristic map cooling	front of engine	50-1	
B9508	Pressure switch	front RH side of engine compartment	31-2	
B62001	Oxygen sensor in front of catalytic converter	on catalytic converter		
B62002	Oxygen sensor behind catalytic converter	on catalytic converter		
B62101	Oxygen sensor I in front of catalytic converter	on catalytic converter	49-2	
B62102	Oxygen sensor I behind catalytic converter	on catalytic converter		
B62201	Oxygen sensor II in front of catalytic converter	on catalytic converter	49-2	
B62202	Oxygen sensor II behind catalytic converter	on catalytic converter		
C100	Contact ring	top of steering column		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
C101	Volute spring	top of steering column	25-1	
C6000	Suppression capacitor	top centre of engine		
D100	Diagnostic connector	LH side of engine compartment (M43, M52)	53-1	
D100	Diagnostic connector	rear RH side of engine compartment (S50)		
D110	OBD II connector	footwell, driver's side	41-2	
D5010	Decoupling diode D+	rear LH side of engine compartment		
E7	Left headlight	front LH side of engine compartment		
E8	Right headlight	front RH side of engine compartment		
E9	Rear window defogger I	hardtop		
E11	Left high beam	near front LH headlight	30-1	
E12	Right high beam	near front RH headlight		
E13	Left headlight	near front LH headlight	30-1	
E14	Right headlight	near front RH headlight	30-3	
E16	Left tail light	LH side of body rear end		
E17	Right tail light	RH side of body rear end	03-1	
E21	Left side-marker light	on front LH wheel well		
E22	Right side-marker light	wheel well, front right		
E25	Front ashtray light	centre console		
E26	Left fog light	under front LH bumper		
E27	Right fog light	under front RH bumper	14-2	
E28	Front cigar lighter	centre console		
E28a	Connection for cigar lighter	tyre inflation system		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
E29	Front cigar lighter light	centre console	23-3	
E32	Luggage compartment light	in head lining (Coupé)		
E32	Luggage compartment light	in luggage compartment (Roadster)		
E34	Interior/reading lamp, front	in head lining	42-2	
E43	Left licence plate light	underside of rear lid, near number plate		
E44	Right licence plate light	underside of rear lid, near number plate		
E51	Left windscreen washer jet heater	underside of front lid	17-2	
E52	Right windscreen washer jet heater	underside of front lid	17-2	
E56	Driver's backrest heating	in top of LH backrest		
E57	Driver's seat heating	under LH front seat		
E58	Passenger's seat heating	bottom of RH front seat		
E59	Passenger's backrest heating	in top of RH backrest		
E82	Gear indicator light	centre console	23-1	
E96	Shift lever light	centre console		
E105	Operating unit lighting I, heating control	centre of dash	22-3	
E106	Operating unit lighting II, heating control	centre of dash	22-3	
E800	Front left interior light	near interior rear view mirror		
F97	Fuse link	RH side of luggage compartment	03-1	
G1	Battery	RH side of luggage compartment	03-1	
G5	Driver's airbag gas generator	behind steering wheel		
G6	Passenger's airbag gas generator	behind glove compartment top		
G12	Pyrotechnical belt tensioner, driver's side	in LH front seat belt buckle	39-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
G13	.. Pyrotechnical belt tensioner, passenger's side	in RH front seat belt buckle	39-2	
G14	.. Gas generator, left side airbag	in driver's door	40-1	
G15	.. Gas generator, right side airbag	in passenger's door	38-2	
G19	.. Battery safety terminal	in RH side of luggage compartment	55-2	
G6430	B+ external start terminal point	rear RH side of engine compartment	03-2	
G6400	B+ distributor in E-box	rear RH side of engine compartment in electronics box (M43)	11-2	
G6400	B+ distributor in E-box	rear RH side of engine compartment in electronics box (M52)	46-2	
G6509	Alternator	front LH side of engine compartment	02-3	
G7512	B+ terminal point	under LH side of dash		
H2	... Left horn	under front LH bumper		
H3	... Right horn	wheel well, front right	14-2	
H4	... Front right flasher unit	front of vehicle		
H7	... Front left flasher unit	front of vehicle		
H8	... Front right auxiliary flasher unit	front of vehicle		
H9	... Front left auxiliary flasher unit	front of vehicle		
H10	.. Gong I	under LH side of dash		
H26	.. Left rear fog light	LH side of body rear end		
H29	.. Right rear fog light	RH side of body rear end		
H34	.. Raised brake light	on rear lid		
H41	.. Left speaker	LH side of LH footwell		
H44	.. Right speaker	RH side of RH footwell		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
H45	Rear right speaker	in head lining		
H46	Rear left speaker	in head lining		
H50	Right front high range speaker	in top of RH front door		
H51	Right front low range speaker	in bottom of RH A-post		
H52	Right rear low range speaker	in rear speaker box		
H53	Right rear high range speaker	in head lining		
H54	Right front mid-range speaker	in top of RH front door		
H54z	Rear right mid-range speaker	in rear speaker box (Roadster)	28-3	
H54z	Rear right mid-range speaker	in head lining (Coupé)		
H55	Left front mid-range speaker	in top of LH front door		
H55z	Rear left mid-range speaker	in rear speaker box (Roadster)	12-1	
H55z	Rear left mid-range speaker	in head lining (Coupé)		
H56	Left rear high range speaker	in head lining		
H57	Left rear low range speaker	in rear speaker box		
H58	Left front low range speaker	in bottom of LH A-post		
H58z	Front left woofer/active speaker	behind LH footwell speaker cover		
H59	Left front high range speaker	in top of LH front door		
H66	Subwoofer	in rear left speaker box		
H67	DWA siren	rear LH side of engine compartment	09-1	
H70	Rear left mid-range speaker	in head lining (Coupé)		
H70	Rear left mid-range speaker	in rear speaker box (Roadster)		
H71	Rear right mid-range speaker	in head lining (Coupé)		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
H71	Rear right mid-range speaker	in rear speaker box (Roadster)		
H500	Rear woofer	in rear left speaker box (Roadster)		
H500	Rear woofer	in rear left speaker box (Coupé)	54-3	
I1008	Seat mat	in seat cushion, passenger's seat		
K2	Horn relay	rear LH side of engine compartment in power distribution box	09-2	
K4	Heating 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	
K10	ABS overvoltage protection relay	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	A/C compressor relay	rear LH side of engine compartment in power distribution box	09-3	
K21	Auxiliary fan stage 1 relay	rear LH side of engine compartment in power distribution box	09-3	
K22	Auxiliary fan stage 2 relay	rear LH side of engine compartment in power distribution box	09-3	
K25	Right parking light/licence plate light relay	front power distribution box	45-1	
K26	Left parking light relay	front power distribution box	45-1	
K33a	Air conditioning relay, Motronic	rear LH side of engine compartment in power distribution box	08-3	
K46	High beam relay	rear LH side of engine compartment in power distribution box	09-2	
K47	Fog light relay	rear LH side of engine compartment in power distribution box	09-2	
K48	Headlight relay	rear LH side of engine compartment in power distribution box	09-2	
K49	Rear fog light relay	under LH side of dash	20-1	
K70	ZV, rear lid motor relay	rear LH side of engine compartment in power distribution box	45-1	
K75	ABS pump motor relay	rear LH side of engine compartment in power distribution box	09-3	
K104	Relay, air conditioning/auxiliary water pump	under RH side of dash	43-3	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
K200	Relay lighting Scandinavia	front power distribution box	45-1	
K910	Passenger seat height adjustment cut-off relay	under passenger's seat	35-1	
K911	Passenger seat fore and aft adjustment cut-off relay	under passenger's seat	35-1	
K920	Driver's seat height adjustment cut-off relay	under driver's seat	12-2	
K921	Driver's seat fore and aft adjustment cut-off relay	under driver's seat	12-2	
K6300	DME relay	rear RH side of engine compartment in electronics box (S50)	36-3	
K6300	DME relay	rear RH side of engine compartment in electronics box (M52)	46-3	
K6300	DME relay	rear RH side of engine compartment in electronics box (M43)	52-1	
K6301	Electrical fuel pump relay	under LH side of dash	20-1	
K6304	Secondary air pump relay	in front power distributor		
K6309	Oxygen sensor and air pump relays	rear RH side of engine compartment in electronics box	36-3	
K6315	Relay, unloader terminal 15 and starter recognition	rear RH side of engine compartment in electronics box	36-3	
K6326	Unloader relay, terminal 15	rear RH side of engine compartment in electronics box (M43)	52-1	
K6326	Unloader relay, terminal 15	rear RH side of engine compartment in electronics box (M52)	46-3	
K6394	Compressor relay	tyre inflation system		
K18363	Convertible soft top relay I (close)	in LH side of luggage compartment	26-3	
K18364	Convertible soft top relay II (open)	in LH side of luggage compartment	26-3	
L1	Toroidal coil EWS	at ignition switch	25-1	
M2	Fuel pump (EKP I)	installed in fuel tank		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
M3	Wiper motor	rear of engine compartment	45-2	
M4	Washer pump	front RH side of engine compartment on washer fluid reservoir	32-3	
M7	Headlight washer pump	front RH side of engine compartment on washer fluid reservoir	32-3	
M9	Auxiliary fan motor	vehicle front, behind grille		
M12	Central locking (ZV) drive driver's door	driver's door		
M13	Central locking (ZV) drive passenger's door	passenger's door		
M16	ZV drive tank flap	RH rear wheel well	54-1	
M17	Central locking drive rear lid	in rear of luggage compartment behind trim (Roadster)		
M17	Central locking drive rear lid	in rear lid (Coupé)	33-2	
M17	Central locking drive rear lid	in rear lid (Coupé Japan)	54-2	
M21	Driver's window motor	in driver's door	18-2	
M23	Passenger's window motor	in passenger's door	19-3	
M24y	Tilt sunroof motor	in head lining		
M25	Cruise control actuator (Tempomat)	rear LH side of engine compartment	08-3	
M30	Blower motor	rear of engine compartment		
M37a	Auxiliary water pump	rear LH side of engine compartment	32-2	
M51	Driver's seat movement motor	under LH front seat	26-1	
M51	Driver's seat movement motor	under LH front seat (sports seat)	12-3	
M52	Driver's seat height adjustment motor	under LH front seat	26-1	
M52	Driver's seat height adjustment motor	under LH front seat (sports seat)	12-3	
M59	Passenger's seat height adjustment motor	under RH front seat	25-2	
M60	Passenger's seat movement motor	under RH front seat	25-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
M80	Left headlight beam angle adjust actuator	near front LH headlight	30-1	
M81	Right headlight beam angle adjust actuator	near front RH headlight	30-3	
M101	Convertible soft top drive	in LH side of luggage compartment	26-3	
M111	Fresh air circulation motor	RH side of LH footwell	22-2	
M118	Presupply pump	rear LH side of engine compartment	45-3	
M805	Electrical compressor	tyre inflation system		
M6506	Fan, E-box	rear LH side of engine compartment in electronics box	08-1	
M6510	Starter	rear LH side of engine compartment	02-2	
N5	Analogue clock	centre console	43-2	
N8	AM/FM antenna amplifier	in LH side of luggage compartment behind trim (Roadster)		
N8	AM/FM antenna amplifier	in head lining (Coupé)	33-3	
N9	Radio	centre console		
N17	Crash alarm sensor	footwell, driver's side	20-1	
N22	CD changer	in front RH side of glove compartment (Coupé)		
N22	CD changer	in front LH side of luggage compartment (Roadster)		
N27	Compensator (mobile phone)	in luggage compartment		
N44	Amplifier module, subwoofer	in front LH side of luggage compartment	03-3	
P90	Front power distribution box	rear LH side of engine compartment		
P97	Auxiliary fuse box	under LH side of dash	20-1	
P98	Fuse box in E-box	rear RH side of engine compartment in electronics box (M43)	11-2	
P98	Fuse box in E-box	rear RH side of engine compartment in electronics box (M52)	46-1	
P99	Fuse holder	in RH side of luggage compartment	55-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
P900	Auxiliary fuse box	rear LH side of engine compartment	51-3	
R11	Blower ballast resistor	behind centre of dash (with IHKS)		
R11	Blower ballast resistor	on engine bulkhead (with HR)		
R13	Headlight beam angle adjust potentiometer	LH side of dash		
R33	Steering angle sensor	on steering column	44-2	
R6240	Resistor	front of engine		
R6252	Throttle potentiometer	front of engine (M43)	11-3	
R6252	Throttle potentiometer	front of engine (S50)	36-2	
R6385	Throttle potentiometer/actuator	near throttle valve housing	47-1	
S2	Ignition switch	LH side of dash	25-1	
S3	Gear selector lever switch	centre console	23-1	
S4	Horn switch	on steering wheel		
S5	Windscreen wiper switch	LH side of dash right of steering column top		
S6	ASC switch	centre console		
S6y	DSC switch	centre console		
S7	Turn indicator/low beam selector	LH side of dash left of steering column top		
S8	Light switch	LH side of dash		
S10y	Fog lamp switch	LH side of dash		
S10z	Rear fog lamp switch	LH side of dash		
S13	Passenger's door contact switch	RH B-pillar	27-1	
S14	Driver's door contact switch	LH B-pillar	28-1	
S17	Driver's power mirror switch	in top of LH front door		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
S18	Hazard warning switch	under centre console		
S20	Antitheft (DWA) radio microswitch	centre console	29-3	
S28	Cruise control switch	LH side of dash right of steering column top		
S30	Brake light switch	LH footwell	21-1	
S31	Handbrake switch	centre console on rear of handbrake lever	39-3	
S32	Clutch switch	LH footwell	21-1	
S36	Dual temperature switch 91 °C/99 °C	front RH side of engine compartment	31-1	
S36y	Dual temperature switch 80 °C/88 °C	RH top of radiator		
S38y	Tilt sunroof switch	in head lining	42-2	
S47	Driver's door lock switch	in driver's door	18-1	
S49	Passenger's door lock switch	in passenger's door		
S51	Driver's seat adjustment switch	LH front seat		
S53	Driver's seat heating switch	centre console	24-1	
S54	Passenger's seat heating switch	centre console	24-1	
S56	Passenger's seat adjustment switch	RH front seat		
S58	Driver's seat belt buckle switch	in LH front seat belt buckle		
S75	Blower switch	centre of dash	22-3	
S76	Rear window heating switch	centre console		
S117	Rear lid unlocking switch	in rear lid		
S126y	Driver's door power window switch	centre console near gear lever		
S127y	Passenger's door power window switch	centre console near gear lever		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
S143	Switch for electrically operated convertible soft top	centre console		
S164	Convertible soft top deadpoint microswitch	on convertible soft top linkage	18-3	
S198	Thermal switch, heated jets	on front right wheelhouse		
S220	Air conditioning/recirculated air operating unit	centre console	01-3	
S221	Evaporator controller	RH side of LH footwell	22-2	
S232	Compressor main switch	tyre inflation system		
S408	Side light switch	near interior rear view mirror	29-2	
S531	Temperature selection switch	centre of dash	22-3	
S825	Front lid microswitch	near front LH headlight	30-1	
S826	Luggage compartment light switch	underside of rear lid		
S910	Driver's seat end position switch	in driver's backrest	55-3	
S911	Passenger's seat end position switch	in passenger's backrest	55-3	
S8503	Program switch	centre console	23-1	
S8507	Kick-down switch	behind accelerator pedal	20-3	
S8511	Reversing light switch	LH side of transmission	15-2	
T6151	Ignition coil 1	RH side of engine compartment		
T6152	Ignition coil 2	RH side of engine compartment		
T6153	Ignition coil 3	RH side of engine compartment		
T6154	Ignition coil 4	RH side of engine compartment		
T6155	Ignition coil 5	RH side of engine compartment		
T6156	Ignition coil 6	RH side of engine compartment		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
U400	Telephone transceiver	in luggage compartment		
V5	Antitheft (DWA) LED	centre console	24-1	
V9	Decoupling diode lighting	in front power distributor		
X0	B+ terminal point	rear LH side of engine compartment in power distribution box	02-1	
X2	B+ terminal point	power distribution box rear LH side of engine compartment (S50)		
X2	B+ terminal point	in RH side of luggage compartment (M43, M52)		
X8	B+ terminal point	in RH side of luggage compartment		
X9	B+ terminal point	under LH side of dash		
X11	(42 pins, black)	behind glove compartment	00-1	09-4
X16	(26 pins, natural)	LH side of dash rear of instrument cluster, A2w	21-2	00-3
X17	(26 pins, blue)	LH side of dash rear of instrument cluster, A2w	21-2	00-3
X20	(25 pins, black)	rear LH side of engine compartment	08-3	04-4
X22	(26 pins, blue)	behind glove compartment	00-2	00-3
X31	(12 pins, black)	rear LH side of engine compartment		12-2
X32	(12 pins, natural)	on steering column	20-2	02-4
X33	(12 pins, black)	on steering column	20-2	02-4
X35	(4 pins, black)	RH side of LH footwell	34-3	10-4
X43	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X44	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X45	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X50	(9 pins, black)	rear LH side of engine compartment in power distribution box		03-4
X51	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
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
X54	.. (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)	under LH side of dash		03-4
X70	.. (8 pins, black)	rear LH side of engine compartment	08-3	10-6
X72	.. (6 pins, natural)	on steering column	20-2	05-3
X74	.. (50 pins, natural)	below centre console	00-3	11-3
X78	.. (4 pins, black)	on steering column	21-1	03-1
X82	.. (3 pins, black)	under radiator	14-1	05-5
X85	.. (3 pins, black)	rear LH side of engine compartment	10-3	05-5
X87	.. (3 pins, black)	RH top of radiator	31-1	02-5
X105	.. (2 pins, grey)	underside of front lid	17-2	
X106	.. (2 pins, grey)	underside of front lid	17-2	
X107	.. (2 pins, black)	front RH side of engine compartment on washer fluid reservoir	32-3	
X111	.. (2 pins, black)	rear LH side of engine compartment	09-1	
X113	.. (3 pins, grey)	behind RH front wheel	14-3	06-3
X114	.. (3 pins, grey)	behind LH front wheel	13-2	06-3
X118	.. (2 pins, black)	behind LH front wheel	13-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X121	(2 pins, white)	LH footwell	21-1	
X122	(2 pins, black)	rear LH side of engine compartment	32-2	
X123	(2 pins, grey)	front RH side of engine compartment on washer fluid reservoir	32-3	
X127	(4 pins, black)	front RH side of engine compartment	31-2	05-4
X128	(3 pins, black)	front LH side of engine compartment	15-1	02-5
X130	(2 pins, grey)	near front LH headlight	30-2	
X131	(2 pins, black)	near front LH headlight	30-2	
X132	(2 pins, black)	on front LH wheel well	13-1	
X133	(2 pins, black)	on front right wheelhouse	14-2	
X134	(2 pins, black)	near front RH headlight	30-3	
X135	(2 pins, grey)	near front RH headlight	30-3	
X137	(3 pins, black)	front RH side of engine compartment	31-3	02-5
X142	(2 pins, grey)	LH side under rear of vehicle	17-1	
X143	(2 pins, grey)	RH side under rear of vehicle	16-3	
X163	(3 pins, black)	front RH side of engine compartment	31-2	05-5
X165	Ground	front RH side of engine compartment	04-2	
X166	Ground	front LH side of engine compartment	05-1	
X168	(1 pin, black)	on steering wheel		
X170	Case Ground	behind LH footwell speaker cover	07-2	
X256	(26 pins, black)	RH A-pillar	19-1	03-5
X257	(26 pins, black)	LH A-pillar	17-3	03-5
X271	(12 pins, black)	LH side of dash rear of instrument cluster, A2w	21-2	01-3



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X275	(4 pins, natural)	under LH front seat	26-2	03-1
X275	(4 pins, natural)	under LH front seat (sports seat)	12-3	03-1
X279	(4 pins, natural)	under RH front seat	25-3	03-1
X279	(4 pins, natural)	under RH front seat (sports seat)	35-2	03-1
X285	(15 pins, blue)	behind glove compartment	44-1	05-1
X295	(8 pins, black)	on steering column	20-2	03-3
X311	(3 pins, black)	in luggage compartment lid (Roadster)	29-1	01-1
X311	(3 pins, black)	in rear lid (Coupé)	33-2	01-1
X312	(2 pins, black)	RH rear wheel well	54-1	
X315	(2 pins, black)	in luggage compartment lid (Roadster)	29-1	
X315	(2 pins, black)	in rear lid (Coupé)	33-2	
X316	(4 pins, violet)	centre console near gear lever		07-1
X318	(8 pins, black)	in rear RH side of luggage compartment behind RH rear light assembly	03-1	02-1
X319	(8 pins, black)	in LH side of luggage compartment behind trim	28-2	02-1
X322	(6 pins, black)	footwell, driver's side	20-1	03-6
X324	(4 pins, violet)	centre console near gear lever		07-1
X333	(4 pins, natural)	rear of engine compartment below centre of fresh air cowl	45-2	11-1
X336	(3 pins, black)	in top of RH A-post		01-1
X351	(3 pins, black)	RH B-pillar	27-1	01-1
X352	(3 pins, black)	LH B-pillar	28-1	01-1
X357	(2 pins, white)	near interior rear view mirror	29-2	
X371	(3 pins, black)	near front LH headlight	30-1	02-5



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X379	(1 pin, natural)	Hardtop mount, left		
X380	(1 pin, natural)	Hardtop mount, left		
X383	(2 pins, black)	on differential	16-2	
X389	(2 pins, black)	Front left auxiliary flasher unit		
X390	(2 pins, black)	Front right auxiliary flasher unit		
X400	(8 pins, black)	centre console		02-1
X413	(3 pins, black)	Raised brake light		01-1
X423	(1 pins, —)	below centre console on rear of handbrake lever	39-3	
X424	(1 pin, —)	in LH side of luggage compartment behind trim (Roadster)		
X424	(1 pin, —)	in head lining (Coupé)	33-3	
X492	Ground	front LH side of engine compartment	05-1	
X494	Ground	below centre console	07-1	
X503	(12 pins, black)	LH side of dash	21-3	07-2
X504	(4 pins, natural)	LH side of dash	21-3	03-1
X509	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X510	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X511	(8 pins, black)	centre console	23-1	02-1
X514	(4 pins, black)	centre console	24-1	07-1
X516	(5 pins, black)	centre console		02-6
X521	(6 pins, blue)	centre console (Coupé)		04-5
X521	(4 pins, blue)	centre console (Roadster)		07-1
X522	(3 pins, natural)	on RH side of LH footwell		04-3



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X531	(1 pin, natural)	centre console	23-3	
X532	(2 pins, black)	centre console	23-3	
X537	(3 pins, black)	Rear left mid-range speaker (Roadster)	12-1	01-1
X537	(3 pins, black)	in head lining (Coupé)		01-1
X538	(3 pins, black)	Rear right mid-range speaker (Roadster)	28-3	01-1
X538	(3 pins, black)	in head lining (Coupé)		01-1
X539	(2 pins, black)	centre console	29-3	
X544	(2 pins, natural)	footwell, driver's side		
X605	(12 pins, black)	in front RH side of glove compartment (Coupé)	54-3	01-5
X606	(26 pins, black)	in front RH side of glove compartment (Coupé)	54-3	00-3
X623	(4 pins, black)	in driver's door	18-2	07-1
X624	(4 pins, black)	in passenger's door	19-3	07-1
X625	(6 pins, black)	in driver's door	18-2	08-2
X641	(6 pins, black)	in passenger's door	19-2	07-4
X643	(6 pins, white)	in head lining	42-3	15-3
X651	(6 pins, violet)	centre console	24-1	04-5
X658	(6 pins, violet)	centre console	24-1	04-5
X660	(6 pins, black)	LH front door behind door trim panel		07-4
X693	(1 pin, natural)	tyre inflation system		
X695	(25 pins, —)	in luggage compartment		15-1
X700	(1 pin, —)	behind RH footwell speaker cover	24-3	
X701	(1 pin, —)	behind LH footwell speaker trim cover		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X709	(2 pins, black)	underside of rear lid, near number plate		
X710	(2 pins, black)	underside of rear lid, near number plate		
X711	(2 pins, black)	in luggage compartment lid	29-1	
X712	(1 pin, black)	in luggage compartment (Roadster)		
X712	(1 pin, black)	in rear lid (Coupé)	33-3	
X713	(2 pins, black)	RH side under rear of vehicle	16-3	
X726	(2 pins, natural)	under LH front seat	26-1	
X726	(2 pins, natural)	under LH front seat (sports seat)	12-3	
X728	(2 pins, black)	under LH front seat	26-1	
X728	(2 pins, black)	under LH front seat (sports seat)	12-3	
X733	(4 pins, black)	under LH front seat	26-2	03-1
X733	(4 pins, black)	under LH front seat (sports seat)	12-3	03-1
X734	(2 pins, natural)	under RH front seat	25-2	
X734	(2 pins, natural)	under RH front seat (sports seat)	35-1	
X737	(2 pins, black)	under RH front seat	25-2	
X737	(2 pins, black)	under RH front seat (sports seat)	35-2	
X740	(4 pins, black)	under RH front seat	25-3	03-1
X740	(4 pins, black)	under RH front seat (sports seat)	35-2	03-1
X742	(2 pins, yellow)	in passenger's door		
X744	(4 pins, grey)	in passenger's door	19-3	05-4
X746	(3 pins, yellow)	in passenger's door	19-3	01-1
X747	(2 pins, yellow)	in driver's door	18-1	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X749	(4 pins, grey)	in driver's door	18-2	05-4
X753	(3 pins, yellow)	in driver's door	18-2	01-1
X760	(3 pins, black)	Right rear high range speaker in head lining		01-1
X761	(1 pin, —)	in head lining		
X762	(3 pins, black)	Left rear high range speaker in head lining		01-1
X763	(1 pin, —)	in head lining		
X766	(2 pins, black)	on front LH wheel well		
X767	(2 pins, black)	wheel well, front right		
X768	(2 pins, black)	on front LH wheel well	13-1	
X769	(2 pins, black)	wheel well, front right	14-2	
X770	(2 pins, black)	RH rear wheel well (S50)	33-1	
X770	(2 pins, yellow)	wheel well, front right (M52)	35-3	
X770	(2 pins, yellow)	on front LH wheel well (4-cylinder)	13-1	
X771	(2 pins, natural)	RH side of LH footwell	22-2	
X778	(4 pins, black)	under LH front seat	12-2	07-1
X782	(6 pins, black)	behind glove compartment top	23-2	15-2
X783	(6 pins, black)	underside of steering column	25-1	15-2
X816	(2 pins, natural)	RH side of LH footwell	22-1	
X861	Ground	front LH side of engine compartment	05-1	
X898	(4 pins, black)	centre console (S50 Coupé)		07-1
X898	(4 pins, black)	centre console (Roadster)	27-2	07-1
X898	(8 pins, black)	centre console (M52 Coupé)		08-3



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X904	(4 pins, black)	RH side of LH footwell (with HR)	22-1	03-1
X904	(6 pins, black)	on engine bulkhead (with IHKS)		04-6
X905	(7 pins, black)	centre of dash	22-3	09-3
X1013	(2 pins, natural)	footwell, driver's side		
X1014	(1 pin, —)	centre console	23-3	
X1034	(3 pins, black)	near front LH headlight	30-2	08-1
X1035	(3 pins, black)	near front RH headlight	30-3	08-1
X1098	(3 pins, black)	LH side of dash	21-3	01-1
X1116	Ground	in LH side of luggage compartment	06-3	
X1143	(10 pins, black)	footwell, driver's side	34-2	02-3
X1148	(2 pins, black)	wheel well, front right		
X1155	(2 pins, black)	centre console (S50)	24-2	
X1155	(3 pins, black)	centre console	43-2	01-1
X1161	(9 pins, black)	power distribution box rear LH side of engine compartment		03-4
X1166	Ground	behind glove compartment	04-3	
X1170	(25 pins, grey)	LH side of engine compartment	08-2	13-2
X1178	(2 pins, white)	centre console		
X1193	(3 pins, black)	centre console	23-1	01-1
X1213	(2 pins, black)	centre console		
X1222	(6 pins, black)	in LH side of luggage compartment behind trim	28-2	15-2
X1255	(4 pins, black)	tyre inflation system		10-4
X1265	(1 pin, natural)	hardtop		



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X1266	(1 pin, natural)	hardtop		
X1376	(9 pins, black)	in front power distributor		03-4
X1380	(1 pin, —)	behind RH footwell speaker cover	24-3	
X1381	(1 pin, —)	behind LH footwell speaker trim cover		
X1426	(1 pin, natural)	centre console		
X1439	(2 pins, black)	centre console		
X1441	Ground	below centre console	07-3	
X1517	(6 pins, black)	RH side of LH footwell	22-2	09-2
X1529	(1 pin, —)	power distribution box rear LH side of engine compartment		
X1530	(1 pin, natural)	power distribution box rear LH side of engine compartment		
X1582	(4 pins, black)	footwell, driver's side (Roadster)	44-3	07-1
X1582	(4 pins, black)	in head lining (Coupé)	42-1	07-1
X1588	(2 pins, black)	under LH side of dash	20-1	
X1602	(9 pins, black)	under RH side of dash	43-3	03-4
X1653	(3 pins, black)	under driver's seat	41-3	02-5
X1655	(3 pins, natural)	under driver's seat	41-3	02-5
X1656	(2 pins, black)	rear LH side of engine compartment	45-3	
X1658	(6 pins, black)	on steering column	44-2	15-2
X1715	(4 pins, natural)	in rear left speaker box (Roadster)	27-3	03-1
X1715	(4 pins, natural)	in front RH side of glove compartment (Coupé)	54-3	
X1717	(42 pins, black)	in front LH side of luggage compartment	01-2	15-4
X1746	(43 pins, black)	LH side of engine compartment	48-1	15-5



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X1747	(3 pins, natural)	rear LH side of engine compartment	45-3	02-5
X1748	(3 pins, natural)	rear LH side of engine compartment	45-3	02-5
X1764	(3 pins, black)	near steering column	41-1	01-1
X1765	(3 pins, black)	in luggage compartment		01-1
X1770	(3 pins, orange)	in front RH side of glove compartment		07-5
X1775	(3 pins, natural)	in rear lid		12-6
X1805	(15 pins, natural)	near steering column	41-1	05-1
X1883	(2 pins, yellow)	in driver's door	40-1	
X1884	(2 pins, yellow)	in passenger's door	38-2	
X1885	(3 pins, black)	under LH front seat	38-3	13-1
X1886	(3 pins, black)	under RH front seat	38-1	13-1
X1890	(3 pins, black)	vehicle front, behind grille		05-5
X1976	Cable shoe B+	LH side of LH footwell		
X1977	Cable shoe B+	LH side of LH footwell		
X1978	Cable shoe B+	LH side of LH footwell		
X1979	Cable shoe B+	LH side of LH footwell		
X1980	Cable shoe B+	LH side of LH footwell		
X1981	Cable shoe B+	LH side of LH footwell		
X1982	Cable shoe B+	LH side of LH footwell		
X3158	(1 pin, natural)	tyre inflation system		
X4221	(3 pins, black)	in windscreen header	42-3	01-1
X4545	(18 pins, black)	centre console	43-1	08-4



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X4546	(6 pins, natural)	centre console	43-1	15-2
X5115	(2 pins, black)	centre console	29-3	
X5210	(3 pins, black)	front of engine	36-2	10-2
X5220	(3 pins, black)	front of engine		10-2
X6000	(88 pins, natural)	rear RH side of engine compartment in electronics box		00-1
X6002	(20 pins, black)	rear RH side of engine compartment (S50)		04-1
X6002	(20 pins, black)	LH side of engine compartment (M43, M52)		04-1
X6011	(2 pins, blue)	rear RH side of engine compartment in electronics box (M43)	11-1	
X6011	(2 pins, blue)	rear RH side of engine compartment in electronics box (M52)	46-1	
X6021	(4 pins, black)	rear RH side of engine compartment in electronics box (M43)	11-1	03-1
X6021	(4 pins, black)	rear RH side of engine compartment in electronics box (M52)	46-1	03-1
X6031	(18 pins, black)	rear RH side of engine compartment in electronics box	46-1	08-4
X6053	(4 pins, natural)	rear RH side of engine compartment in electronics box	46-2	03-1
X6054	(2 pins, natural)	rear RH side of engine compartment (M52)	46-3	
X6054	(2 pins, natural)	rear RH side of engine compartment (M43)	52-1	
X6101	(2 pins, black)	centre top of engine		
X6102	(2 pins, black)	centre top of engine		
X6103	(2 pins, black)	centre top of engine		
X6104	(2 pins, black)	centre top of engine		
X6105	(2 pins, black)	centre top of engine		
X6106	(2 pins, black)	centre top of engine		
X6120	(2 pins, black)	LH side of engine compartment (S50)	37-3	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X6120	(2 pins, black)	LH side of engine compartment (M52)	50-3	
X6120	(2 pins, black)	LH side of engine compartment (M43)	53-2	
X6130	(3 pins, black)	front of engine (M43)	11-3	10-2
X6130	(3 pins, black)	front of engine (M52)	51-1	10-2
X6130	(3 pins, black)	LH side of engine compartment (S50)	37-2	10-2
X6131	(2 pins, black)	front LH side of engine compartment (M43)	10-1	
X6133	(2 pins, violet)	LH side of engine compartment	53-1	
X6150	(7 pins, black)	rear RH side of engine compartment	10-2	04-2
X6151	(3 pins, grey)	RH top of engine		09-5
X6152	(3 pins, grey)	RH top of engine		09-5
X6153	(3 pins, grey)	RH top of engine		09-5
X6154	(3 pins, grey)	RH top of engine		09-5
X6155	(3 pins, grey)	RH top of engine		09-5
X6156	(3 pins, grey)	RH top of engine		09-5
X6163	(2 pins, black)	front top of engine	52-2	
X6164	(2 pins, black)	below intake manifold	36-1	
X6167	(2 pins, black)	LH side of engine compartment	48-1	
X6203	(3 pins, black)	front of engine below intake manifold (S50)		10-2
X6203	(3 pins, black)	rear of engine compartment (M43)	02-2	14-2
X6203	(3 pins, black)	rear of engine compartment (M52)	48-2	14-2
X6204	(3 pins, black)	front top of engine	52-2	14-3
X6205	(2 pins, black)	front LH side of engine compartment (M52)	49-1	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X6205	(2 pins, black)	LH side of engine compartment (S50)	37-3	
X6207	(5 pins, black)	front of engine compartment (M43)	53-3	14-4
X6207	(3 pins, black)	LH side of engine compartment (M52)		10-2
X6207	(4 pins, grey)	LH side of engine compartment (S50)		03-2
X6214	(3 pins, grey)	LH side of engine	51-2	10-2
X6224	(3 pins, grey)	front of engine	48-3	14-5
X6231	(2 pins, black)	front of engine compartment (M43)		
X6231	(2 pins, black)	front of engine compartment (M52)	50-3	
X6231	(2 pins, brown)	LH side of engine (S50)	36-1	
X6232	(2 pins, black)	front LH side of engine compartment	52-3	
X6236	(2 pins, black)	LH side of engine compartment	49-3	
X6238	(2 pins, black)	RH side of oil filter (S50)	36-1	
X6238	(2 pins, black)	RH side of oil filter (M52)	50-3	
X6240	(4 pins, black)	LH side of engine compartment (M52)	47-3	06-1
X6241	(4 pins, black)	LH side of engine compartment (M43)		06-1
X6241	(3 pins, black)	LH top of engine (S50)		12-1
X6242	(3 pins, black)	LH top of engine	36-1	10-2
X6243	(3 pins, black)	LH top of engine		12-1
X6252	(3 pins, black)	LH side of engine compartment (S50)	36-2	10-2
X6252	(3 pins, black)	LH side of engine compartment (M43)	11-3	10-2
X6254	(3 pins, black)	rear LH side of engine compartment (S50)	40-3	10-2
X6254	(3 pins, black)	LH bottom of engine (M43, M52)	15-3	14-5



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X6256	(4 pins, black)	rear of engine compartment		10-3
X6256	(4 pins, black)	LH side of engine compartment (S50)	37-2	10-3
X6275	(2 pins, black)	LH side of engine	49-1	
X6276	(2 pins, black)	front top of engine	48-3	
X6277	(3 pins, black)	front of engine	36-2	10-2
X6278	(3 pins, black)	front of engine		10-2
X6279	(2 pins, black)	front of engine (M52)	50-1	
X6279	(2 pins, black)	front of engine (M43)	40-2	
X6300	(9 pins, black)	rear RH side of engine compartment in electronics box		03-4
X6301	(9 pins, black)	under LH side of dash		03-4
X6304	(9 pins, black)	in front power distributor		03-4
X6309	(10 pins, black)	rear RH side of engine compartment in electronics box		10-5
X6315	(10 pins, black)	rear RH side of engine compartment in electronics box		10-5
X6326	(9 pins, black)	rear RH side of engine compartment in electronics box		03-4
X6385	(10 pins, black)	near throttle valve housing	47-1	14-6
X6394	(9 pins, black)	tyre inflation system		03-4
X6430	Cable shoe B+ external start terminal point	rear RH side of engine compartment		
X6431	Cable shoe B+ external start terminal point	rear RH side of engine compartment		
X6433	Cable shoe B+ external start terminal point	rear RH side of engine compartment		
X6437	Cable shoe B+ external start terminal point	rear RH side of engine compartment		
X6454	Ground	rear RH side of engine compartment (S50, M52)	04-2	
X6454	Ground	rear RH side of engine compartment (M43)	04-1	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X6456	Ground	rear RH side of engine compartment (M43)	04-1	
X6456	Ground	on cylinder head (S50, M52)	06-1	
X6500	(6 pins, black)	under rear oddments compartment	27-2	06-5
X6506	(2 pins, black)	rear RH side of engine compartment in electronics box	08-1	
X6509	Cable shoe, alternator B+	front LH side of engine compartment	02-3	
X6510	Cable shoe, starter terminal 50	rear LH side of engine compartment on starter	02-2	
X6511	Cable shoe, starter terminal 30h	rear LH side of engine compartment on starter		
X6512	Cable shoe, starter terminal 30	rear LH side of engine compartment on starter	02-2	
X6524	(3 pins, black)	front of engine compartment	50-2	10-2
X7509	Cable shoe, alternator D+	front LH side of engine compartment	02-3	
X8500	(88 pins, natural)	rear RH side of engine compartment in electronics box	47-2	00-1
X8505	(16 pins, black)	on LH side of transmission		09-1
X8507	(1 pin, black)	behind accelerator pedal	20-3	
X8511	(2 pins, black)	LH side of transmission	15-2	
X8514	(10 pins, natural)	centre console	23-1	02-3
X8516	(2 pins, black)	LH side of transmission		
X8521	(16 pins, black)	on RH side of transmission	16-1	09-1
X9001	(2 pins, black)	centre console	24-2	
X9002	(2 pins, black)	centre console	24-2	
X9003	(2 pins, black)	centre console		
X9063	(2 pins, black)	rear LH side of engine compartment		
X9336	(4 pins, natural)	Interior/reading lamp, front	42-3	03-1



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X9633	Ground	behind LH footwell speaker cover	07-2	
X9770	(4 pins, natural)	centre console	24-2	12-3
X9990	(3 pins, black)	under driver's seat		12-6
X9991	(10 pins, black)	under driver's seat	12-2	12-5
X9994	(3 pins, black)	under passenger's seat		12-6
X9995	(10 pins, black)	under passenger's seat	35-1	12-5
X9997	(6 pins, black)	behind steering wheel		15-2
X10010	Ground	behind glove compartment	04-3	
X10013	(2 pins, natural)	behind steering wheel		
X10051	(4 pins, natural)	LH side of dash		03-1
X10054	(8 pins, black)	RH side of LH footwell	22-1	02-1
X10059	(3 pins, black)	centre console	24-2	12-4
X10088	(2 pins, black)	front RH side of engine compartment	31-3	
X10170	(3 pins, natural)	on steering column	41-1	01-1
X10182	(18 pins, black)	behind glove compartment		08-4
X10214	(3 pins, violet)	under LH front seat	12-2	01-4
X10215	(3 pins, violet)	under RH front seat	35-1	01-4
X10216	(3 pins, yellow)	under LH front seat	39-2	07-5
X10217	(3 pins, yellow)	under RH front seat	39-2	07-5
X10218	(3 pins, natural)	under RH front seat	25-3	01-1
X10218	(3 pins, natural)	under RH front seat (sports seat)	35-2	01-1
X10241	(3 pins, black)	front RH side of engine compartment		05-5

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Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X10245	(12 pins, black)	centre console	01-3	01-3
X10263	(6 pins, black)	centre console		04-5
X10266	(6 pins, black)	in front RH side of glove compartment	54-3	04-5
X10285	(2 pins, black)	in rear lid	54-2	
X10299	(3 pins, black)	Hardtop mount, left	18-3	05-2
X10419	(12 pins, black)	behind LH footwell speaker cover		01-3
X10422	Cable shoe B+	LH side of LH footwell		
X10467	(3 pins, orange)	in RH side of luggage compartment	55-2	01-4
X10470	(3 pins, black)	in rear RH side of luggage compartment	55-1	01-1
X11104	(1 pin, —)	near interior rear view mirror	29-2	
X11105	(1 pin, —)	near interior rear view mirror	29-2	
X11106	(1 pin, —)	near interior rear view mirror	29-2	
X11143	(3 pins, blue)	footwell, driver's side	21-1	01-1
X11209	(3 pins, black)	Hardtop mount, left	18-3	05-2
X11272	(9 pins, black)	rear LH side of engine compartment in power distribution box		03-4
X11287	Connections soldered up	centre of dash		
X11379	(3 pins, black)	RH top of radiator		02-5
X11402	(3 pins, violet)	in rear lid		01-1
X11403	(3 pins, violet)	in rear lid		01-1
X13004	Ground	behind glove compartment	04-3	
X13006	Ground	in LH side of luggage compartment	05-3	
X13016	Ground	in LH side of luggage compartment	05-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X13017	(2 pins, black)	hardtop		
X13032	Ground	under rear oddments compartment	06-2	
X13045	(6 pins, natural)	centre console		04-5
X13057	(2 pins, black)	in rear lid	33-2	
X13139	(10 pins, black)	near interior rear view mirror	42-2	02-3
X13146	(8 pins, black)	in LH side of luggage compartment	26-3	02-1
X13233	(1 pin, black)	centre of dash rear of centre console		
X13252	(15 pins, black)	behind glove compartment	34-1	05-1
X13253	(26 pins, yellow)	behind glove compartment	34-1	00-3
X13254	(26 pins, green)	behind glove compartment	34-1	00-3
X13268	(3 pins, black)	in rear lid	33-2	01-1
X13287	(1 pin, white)	centre of dash rear of centre console		
X13296	(1 pin, —)	behind LH footwell speaker cover		
X13297	(1 pin, —)	behind LH footwell speaker cover		
X13298	(1 pin, —)	behind RH footwell speaker cover		
X13299	(1 pin, —)	behind RH footwell speaker cover		
X13307	(4 pins, black)	on centre console, right		07-1
X13319	(9 pins, black)	under LH side of dash		03-4
X18080	(1 pin, black)	in LH side of luggage compartment		
X18126	(17 pins, black)	centre console behind radio		02-2
X18170	Ground	below centre console	07-1	
X18180	(3 pins, natural)	in front LH side of luggage compartment (Roadster)		05-2



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X18180	(3 pins, natural)	in front RH side of glove compartment (Coupé)		05-2
X18184	(1 pin, —)	in head lining		
X18189	(1 pin, —)	in head lining		
X18190	(3 pins, black)	in driver's door	18-2	01-1
X18196	(10 pins, black)	LH A-pillar	17-3	02-3
X18198	(10 pins, black)	RH A-pillar	19-1	02-3
X18279	(2 pins, grey)	in driver's door		
X18280	(2 pins, grey)	in passenger's door		
X18333	(2 pins, black)	on instrument cluster		
X18349	(8 pins, black)	centre console	01-3	08-3
X18350	(6 pins, black)	RH side of LH footwell	22-2	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 electronics box (M43)	11-1	04-3
X18365	(3 pins, black)	rear RH side of engine compartment in electronics box (M52)	46-2	04-3
X18516	(3 pins, black)	in passenger's door	19-3	01-1
X18520	(10 pins, black)	centre console Radio		02-3
X18521	(10 pins, black)	in front LH side of luggage compartment (Roadster)		02-3
X18521	(10 pins, black)	in front RH side of glove compartment (Coupé)		02-3
X18774	(42 pins, natural)	in front LH side of luggage compartment	03-3	15-4
X18983	(2 pins, black)	centre of dash		
X18984	(2 pins, black)	centre of dash	22-3	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X19007	(12 pins, black)	behind glove compartment	43-3	01-3
X19018	(2 pins, black)	behind glove compartment	39-1	
X19022	(3 pins, black)	vehicle front, behind grille		05-5
X19245	(8 pins, black)	centre console	24-2	02-1
X19527	(16 pins, black)	footwell, driver's side	41-2	14-1
X19562	(4 pins, natural)	rear LH side of engine compartment	09-1	05-4
X23146	(2 pins, black)	in LH side of luggage compartment	26-3	
X60001	(9 pins, black)	rear RH side of engine compartment in electronics box	01-1	13-5
X60002	(24 pins, black)	rear RH side of engine compartment in electronics box	01-1	13-4
X60003	(52 pins, black)	rear RH side of engine compartment in electronics box	01-1	13-6
X60004	(40 pins, black)	rear RH side of engine compartment in electronics box	01-1	13-3
X60005	(9 pins, black)	rear RH side of engine compartment in electronics box	01-1	13-5
X62001	(4 pins, black)	on catalytic converter (M43)		06-1
X62002	(4 pins, black)	on catalytic converter		06-1
X62101	(4 pins, black)	in engine compartment on RH side of engine bulkhead (S50)	32-1	10-3
X62101	(4 pins, black)	on catalytic converter (M52)	49-2	10-3
X62102	(4 pins, black)	on catalytic converter	49-1	10-3
X62201	(4 pins, black)	in engine compartment on RH side of engine bulkhead (S50)	32-1	10-3
X62201	(4 pins, black)	on catalytic converter (M52)	49-2	10-3
X62202	(4 pins, black)	on catalytic converter	49-1	10-3
X64101	(2 pins, black)	rear RH side of engine compartment in electronics box (M43)	11-2	
X64101	(2 pins, black)	rear RH side of engine compartment in electronics box (M52)	46-2	



Component location chart

Z3

Comp.	Description	Location	7100.0	8500.0
X64102	(2 pins, black)	rear RH side of engine compartment in electronics box (M43)	11-2	
X64102	(2 pins, black)	rear RH side of engine compartment in electronics box (M52)	46-2	
X64192	(2 pins, black)	rear RH side of engine compartment in electronics box	11-2	
X75090	(3 pins, black)	front LH side of engine compartment		10-2
X89977	(2 pins, black)	rear RH side of engine compartment in electronics box	46-1	
X91009	(2 pins, black)	bottom of RH front seat	35-2	
Y1	ABS hydraulic unit	rear LH side of engine compartment		
Y2	Solenoid clutch	front RH side of engine compartment		
Y4z	Water valve	rear LH side of engine compartment	10-3	
Y5	Left outside mirror	in top of LH front door		
Y6	Right outside mirror	in top of RH front door		
Y16z	Pressure sensor	rear LH side of engine compartment	45-3	
Y19	Shift lock selector lever lock	centre console		
Y5210	VANOS valve 1 and 2 (inlet)	front of engine	36-2	
Y5220	VANOS valve 1 and 2 (exhaust)	front of engine		
Y6101	Fuel injector 1	on cylinder head		
Y6102	Fuel injector 2	on cylinder head		
Y6103	Fuel injector 3	on cylinder head		
Y6104	Fuel injector 4	on cylinder head		
Y6105	Fuel injector 5	on cylinder head		
Y6106	Fuel injector 6	on cylinder head		
Y6120	Charcoal filter valve	LH side of engine compartment (S50)	37-3	



Component location chart

Z3

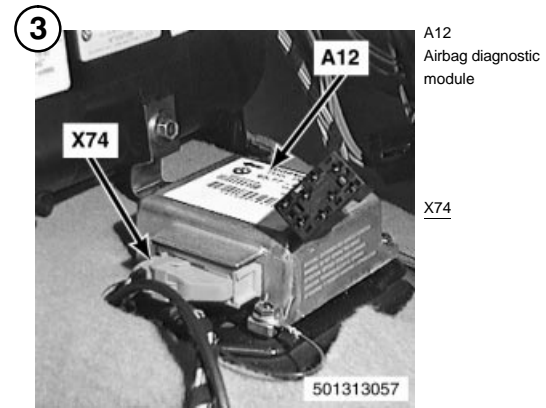
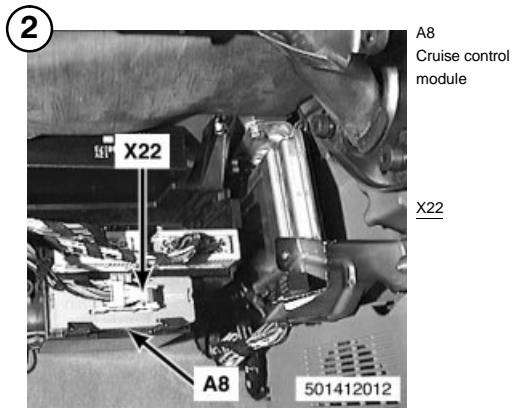
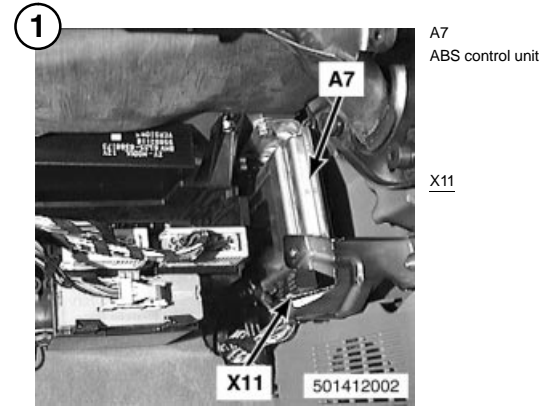
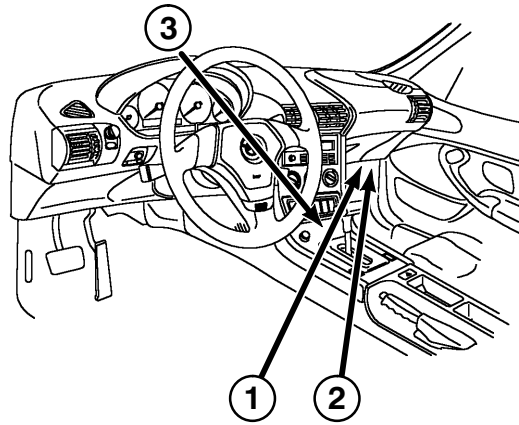
Comp.	Description	Location	7100.0	8500.0
Y6120	Charcoal filter valve	LH side of engine compartment (M43)	53-2	
Y6120	Charcoal filter valve	LH side of engine compartment (M52)	50-3	
Y6130	Idle actuator	front of engine (M43)	11-3	
Y6130	Idle actuator	LH side of engine (S50)	37-2	
Y6130	Idle actuator	LH side of engine (M52)	51-1	
Y6131	Changeover valve I	front of engine	10-1	
Y6133	Air pump	LH side of engine compartment (M43)	53-1	
Y6133	Air pump	RH side under front of vehicle (S50)		
Y6163	Solenoid valve, secondary air pump	front top of engine	52-2	
Y6164	Valve for secondary air pump	below intake manifold	36-1	
Y6167	Valve, individual control intake system	LH side of engine compartment	48-1	
Y6275z	VANOS valve 1 (inlet)	front top of engine	49-1	
Y6276	VANOS valve 2 (outlet)	front top of engine	48-3	
Y6279	Solenoid valve, characteristic map cooling	front of engine	40-2	
Y8521	Gearshift unit	on RH side of transmission	16-1	



7100.0 Component location views

Location of control units

Z3

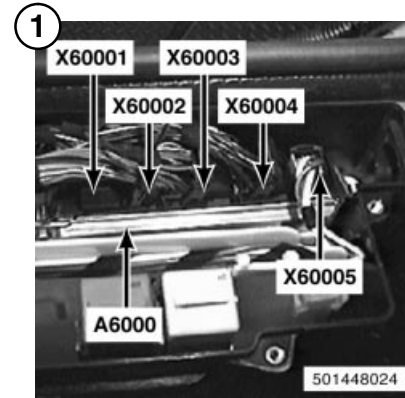
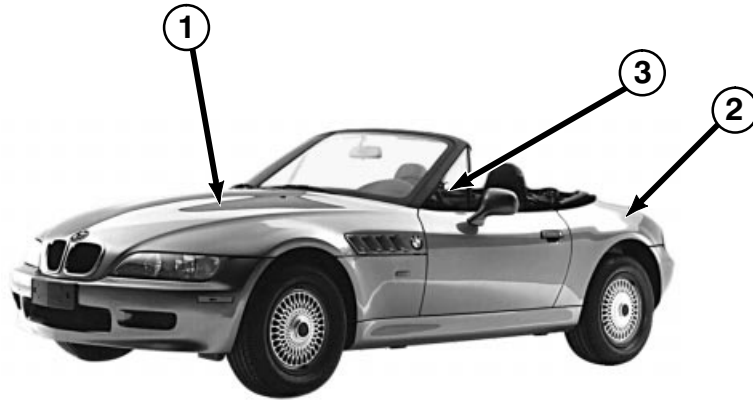




Component location views

Location of control units

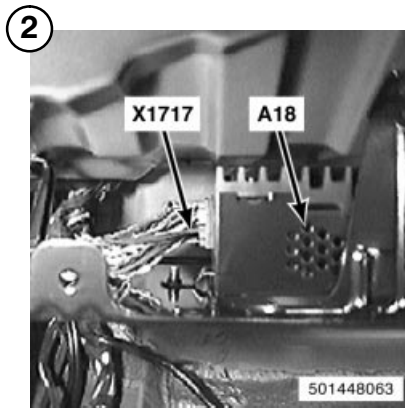
Z3



A6000
DME control unit

X60001
X60002
X60003
X60004
X60005

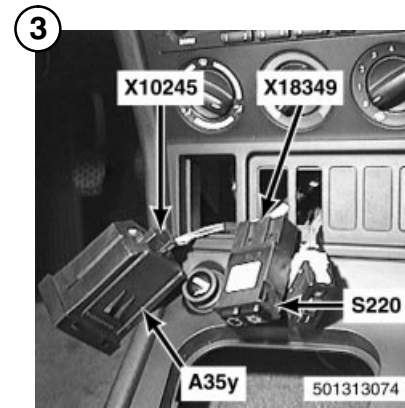
501448024



A18
Hifi amplifier

X1717

501448063



A35y
On-board computer
(BC – Low)

S220
Air conditioning/re-
circulated air operat-
ing unit

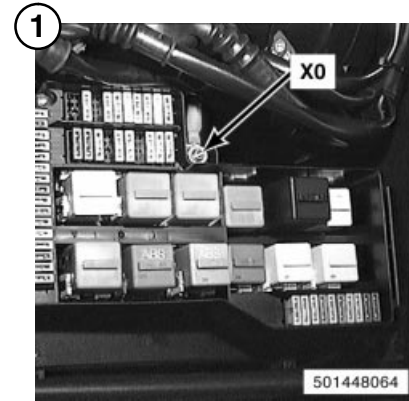
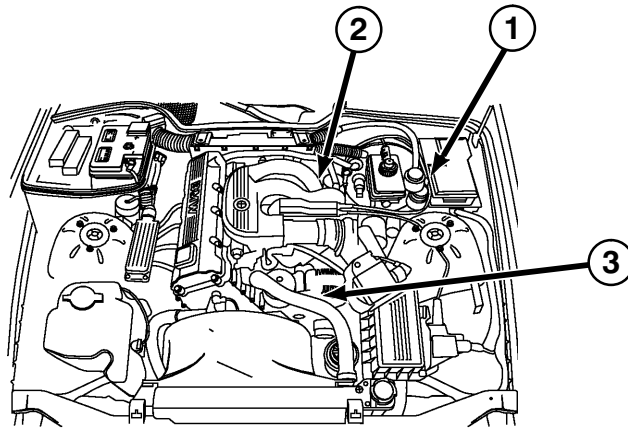
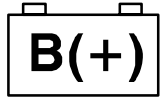
X10245
X18349

501313074

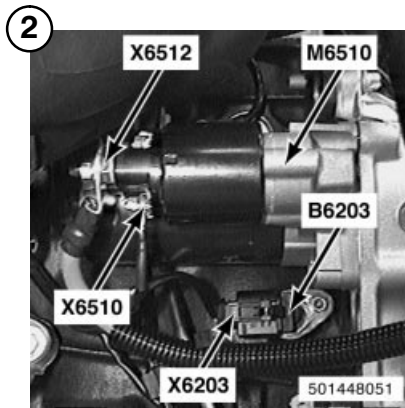


Component location views

Z3



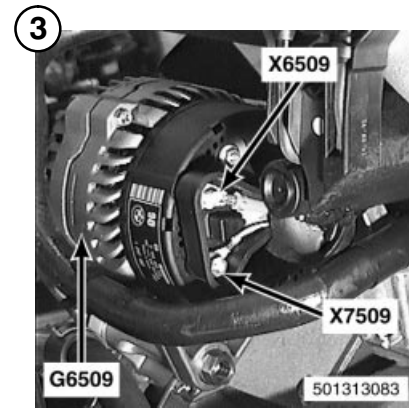
X0
B+ terminal point



B6203
Crankshaft sensor

M6510
Starter

X6203
X6510
X6512



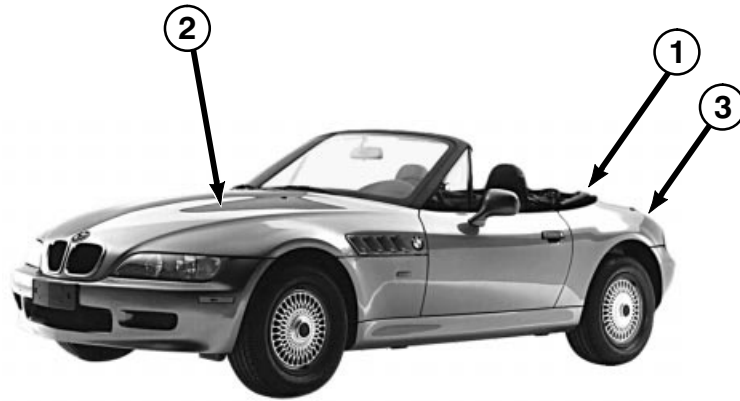
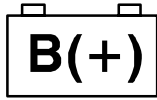
G6509
Alternator

X6509
X7509



Component location views

Z3



E17
Right tail light

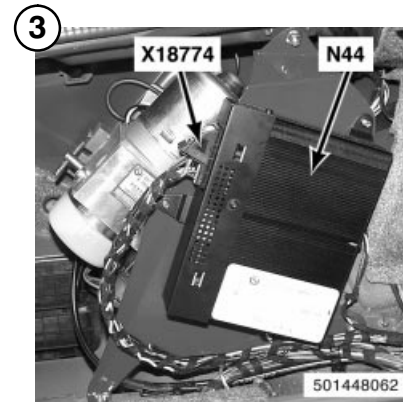
F97
Fuse link

G1
Battery

X318



G6430
B+ external start terminal point



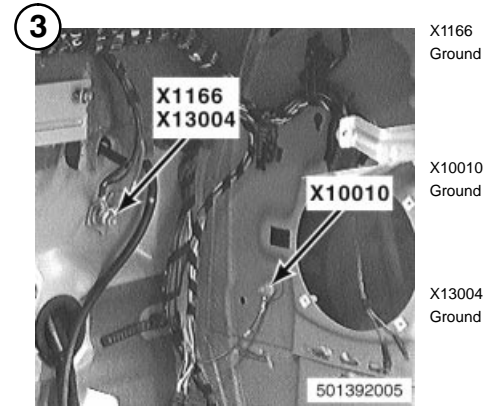
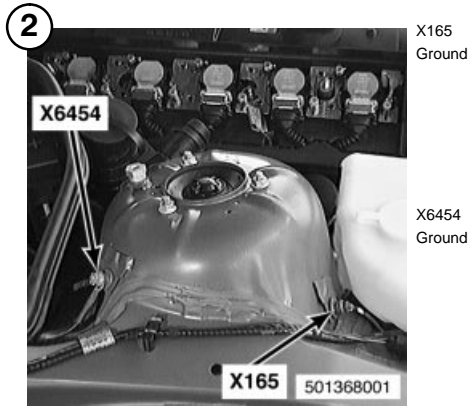
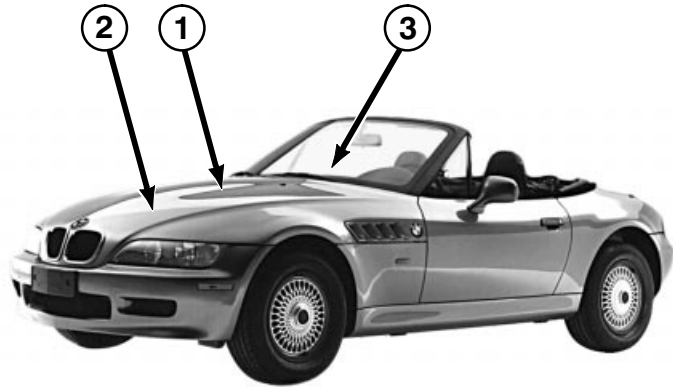
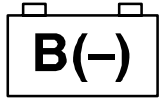
N44
Amplifier module, subwoofer

X18774



Component location views

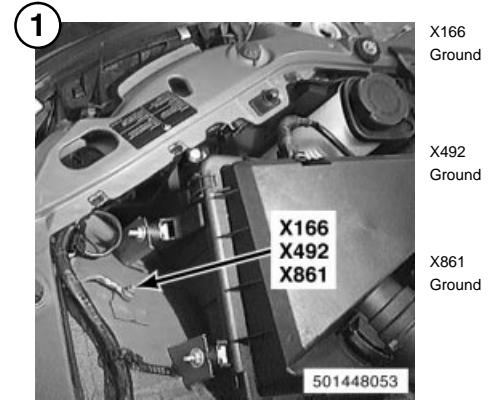
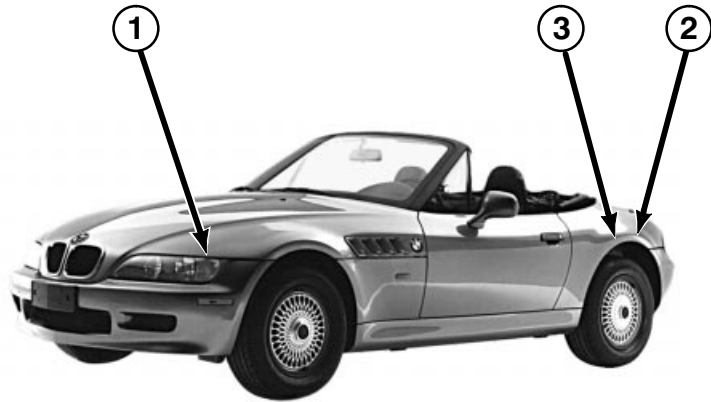
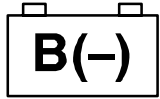
Z3





Component location views

Z3

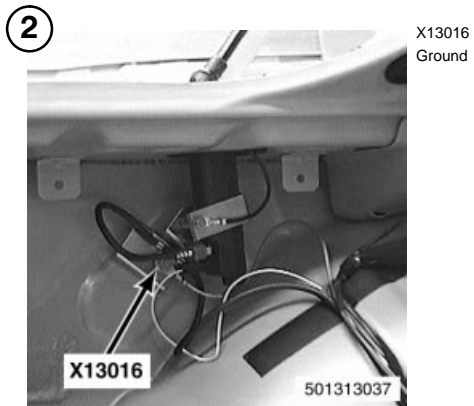


X166
Ground

X492
Ground

X861
Ground

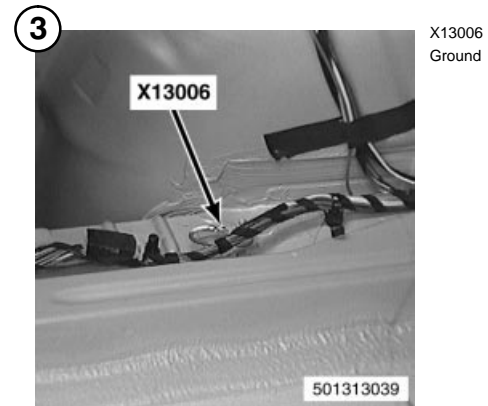
501448053



X13016
Ground

X13016

501313037



X13006
Ground

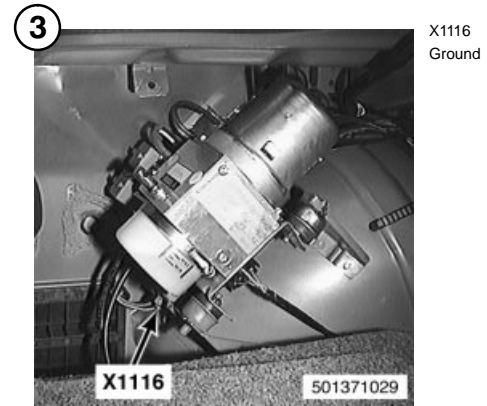
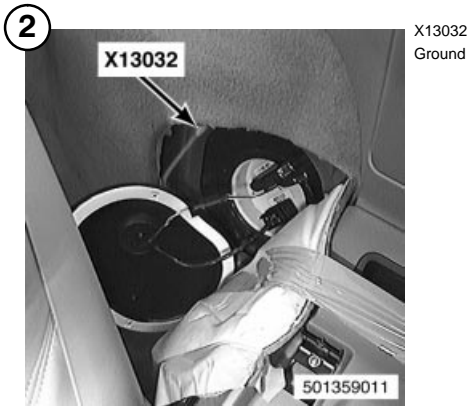
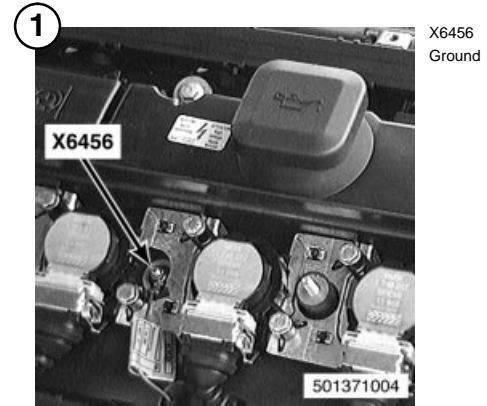
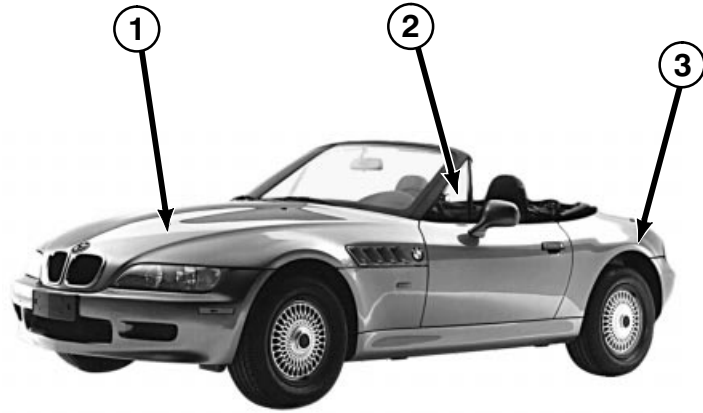
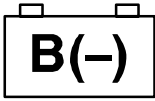
X13006

501313039



Z3

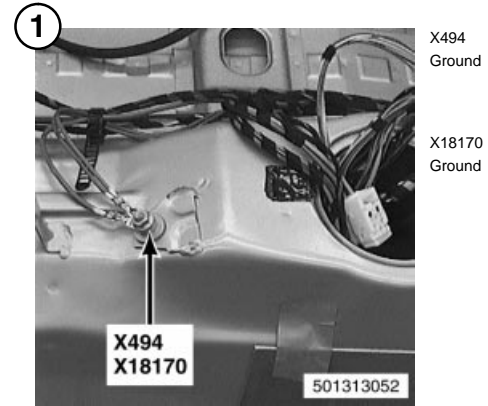
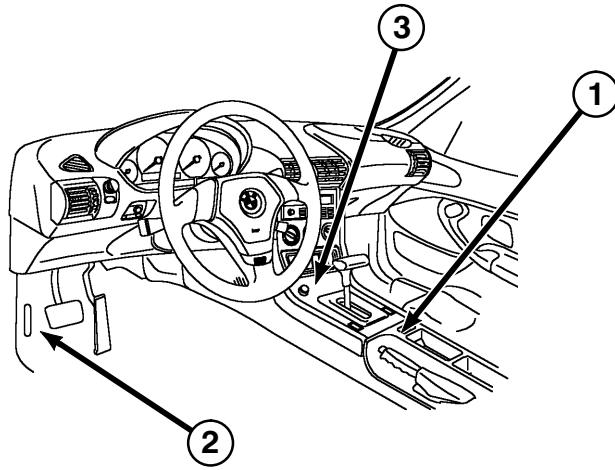
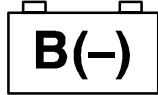
Component location views





Component location views

Z3

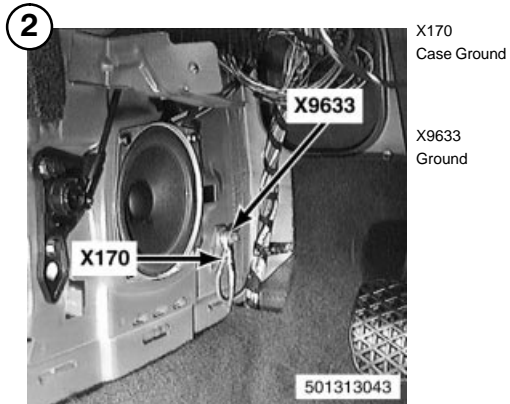


X494
Ground

X18170
Ground

X494
X18170

501313052



X170
Case Ground

X9633
Ground

X170

X9633

501313043



X1441
Ground

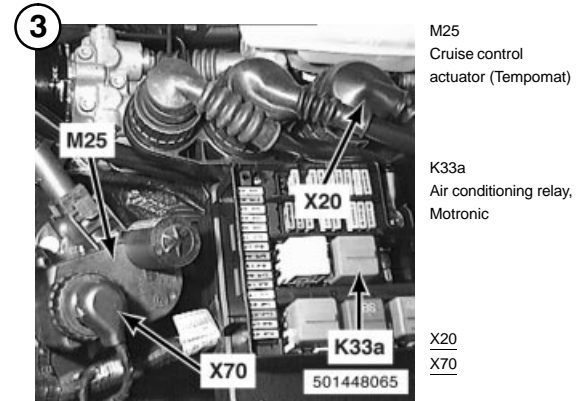
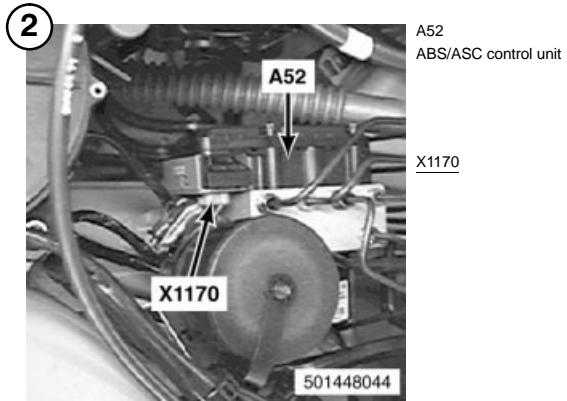
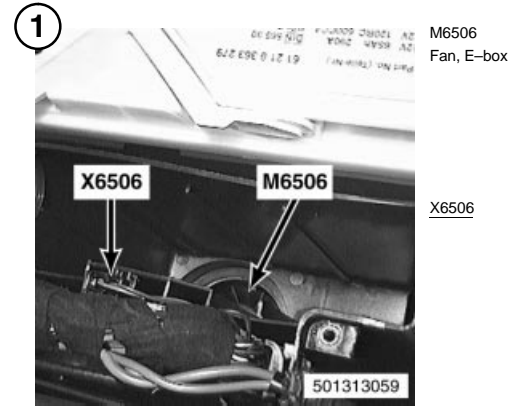
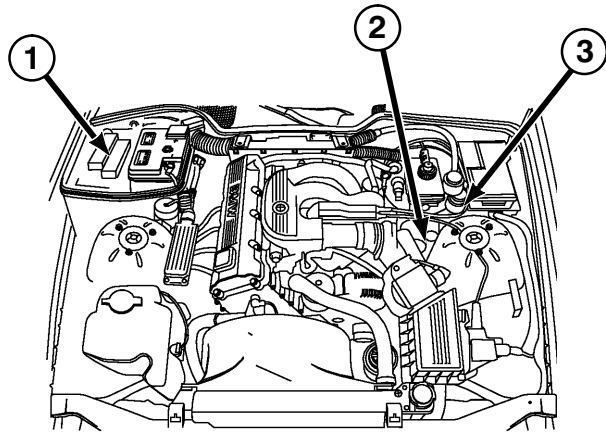
X1441

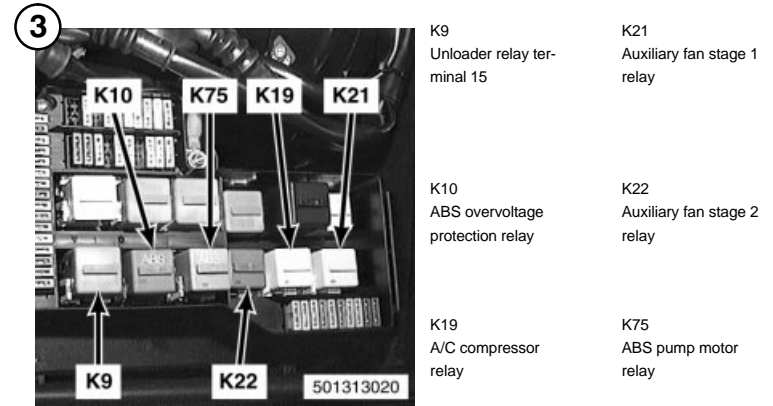
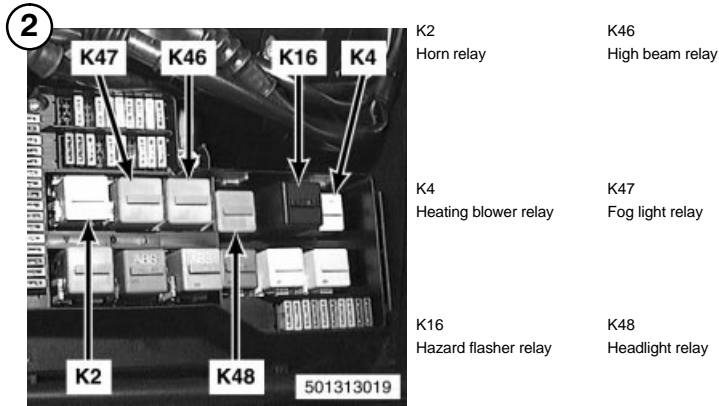
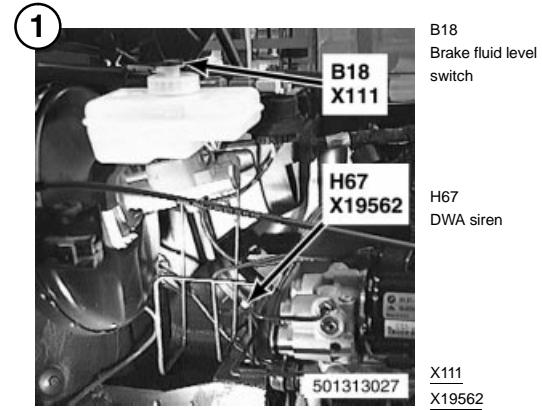
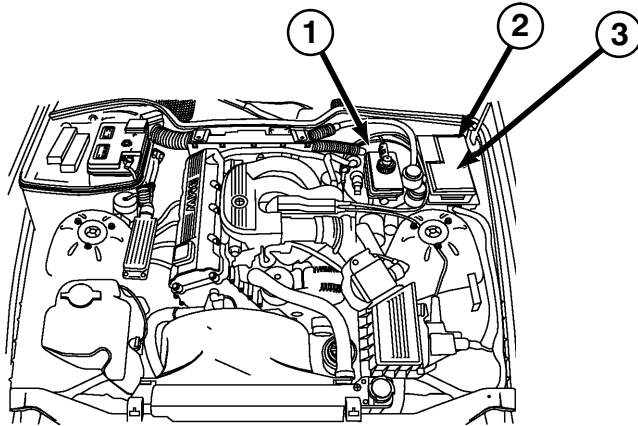
501313056

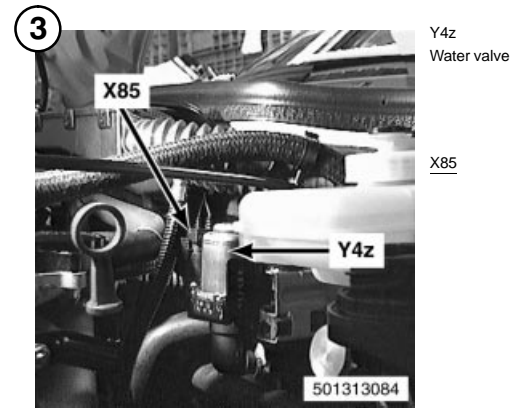
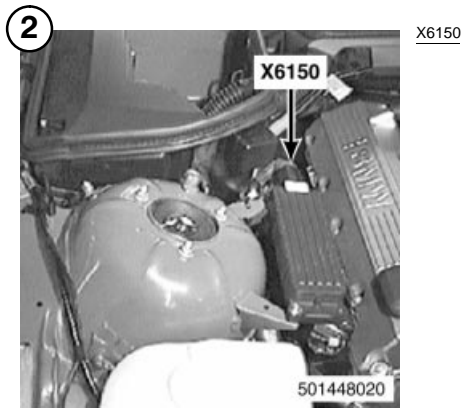
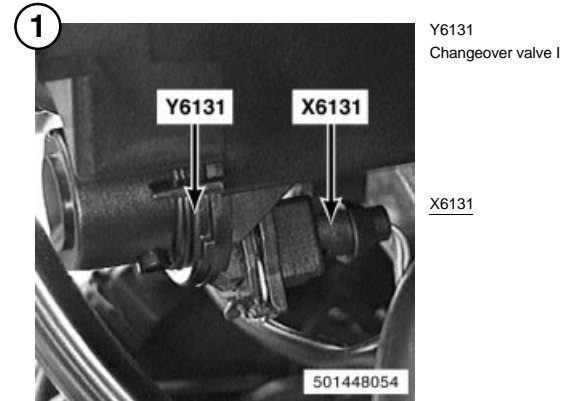
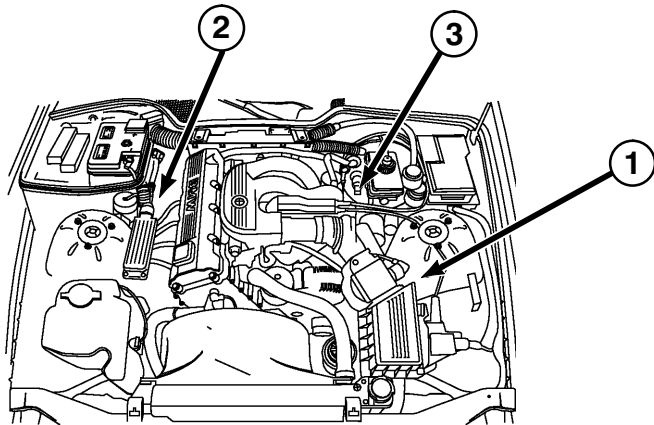


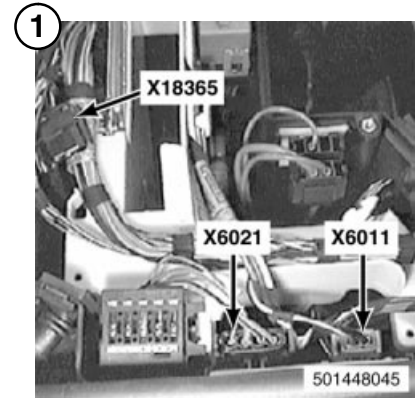
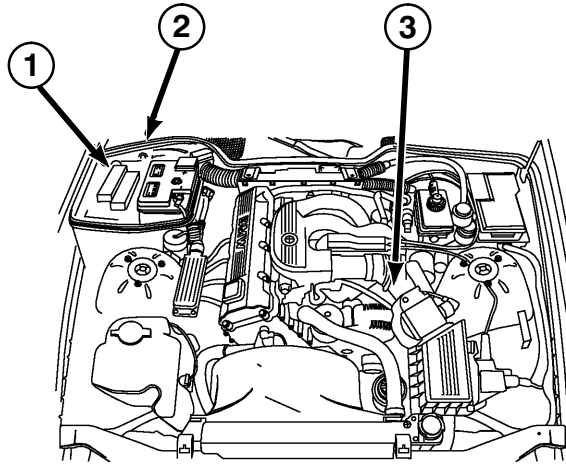
Z3

Component location views



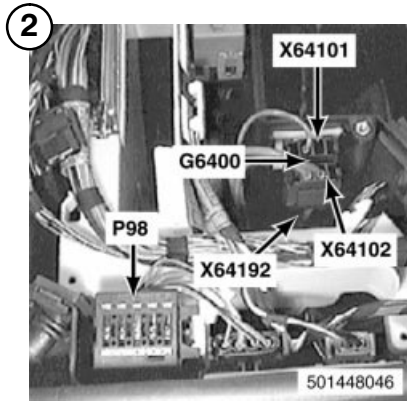






X6011
X6021
X18365

501448045

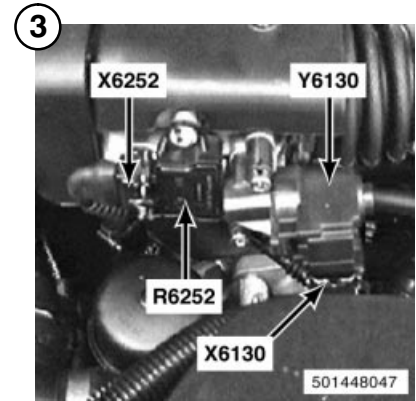


G6400
B+ distributor in E-box

P98
Fuse box in E-box

X64101
X64102
X64192

501448046

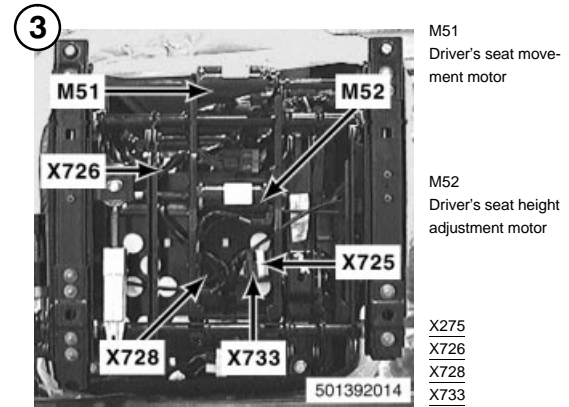
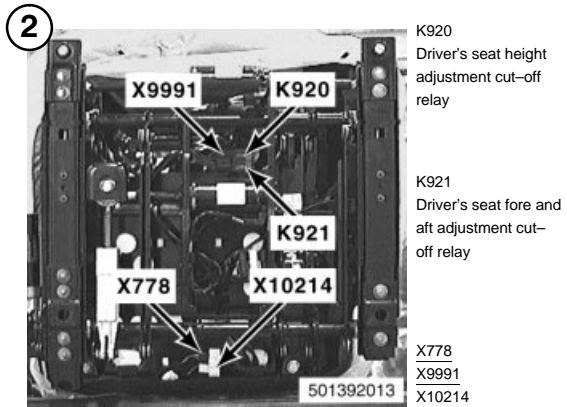
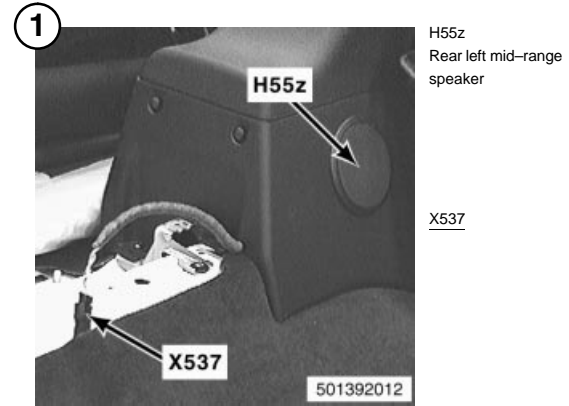
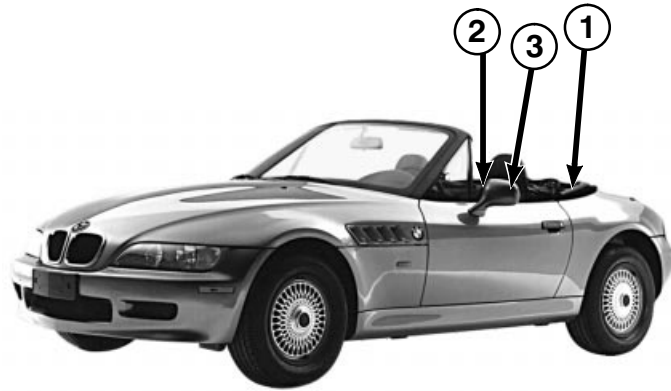


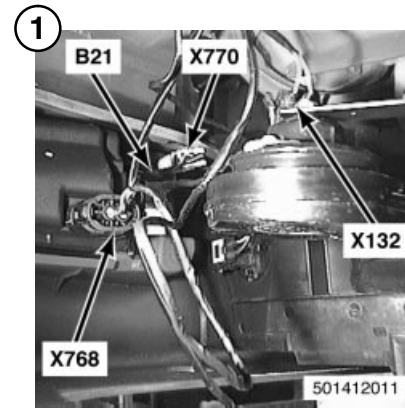
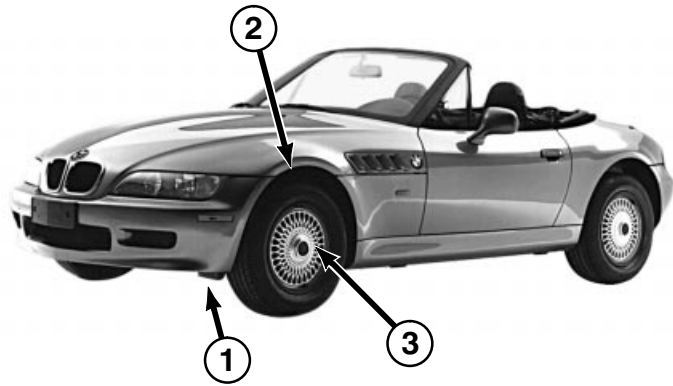
R6252
Throttle potentiometer

Y6130
Idle actuator

X6130
X6252

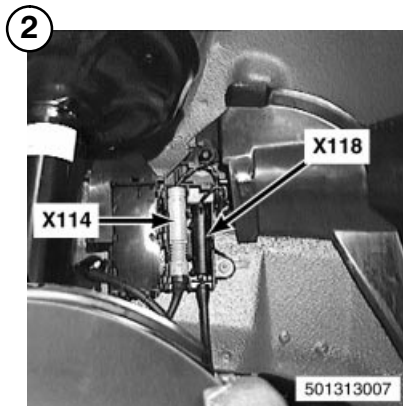
501448047



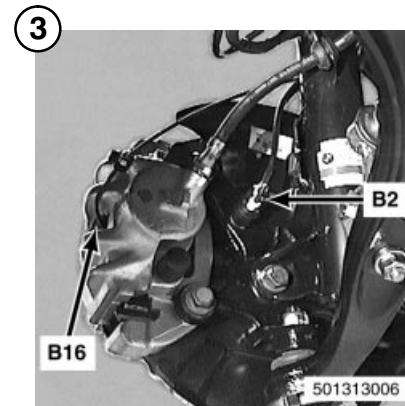


B21
On-board computer
temperature sensor

X132
X768
X770



X114
X118



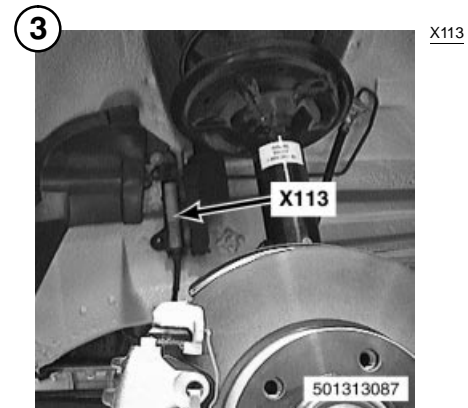
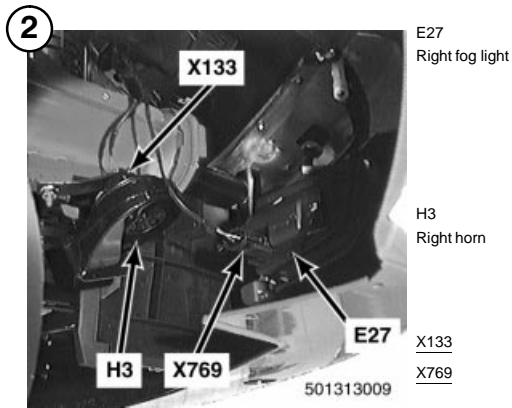
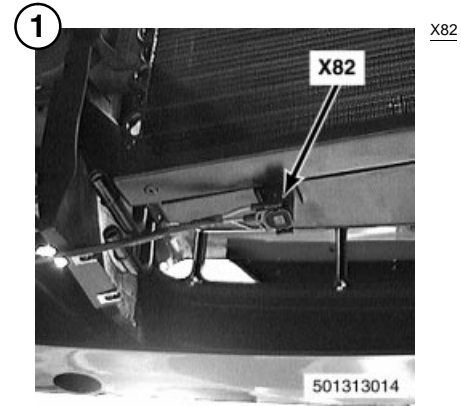
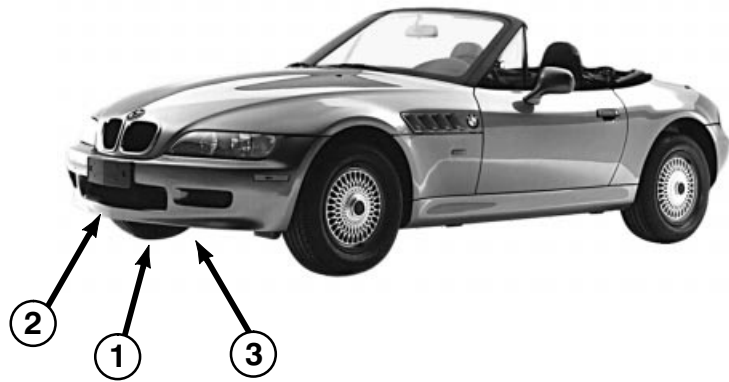
B2
Front left ABS sensor

B16
Front left brake pad
sensor



Z3

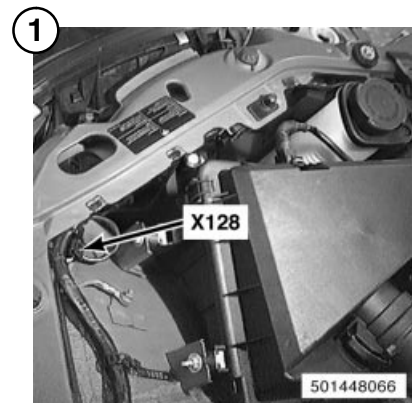
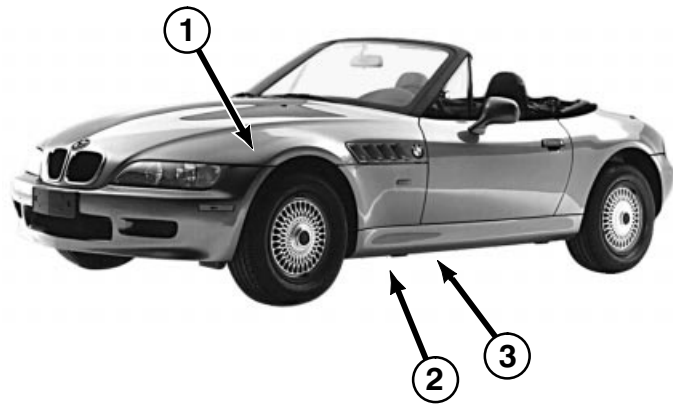
Component location views





Z3

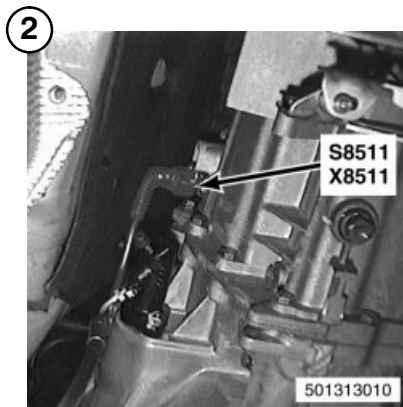
Component location views



X128

X128

501448066

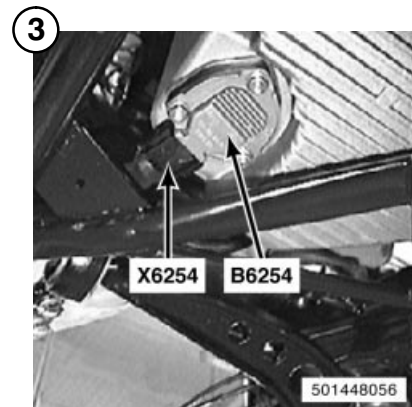


S8511
Reversing light
switch

S8511
X8511

X8511

501313010



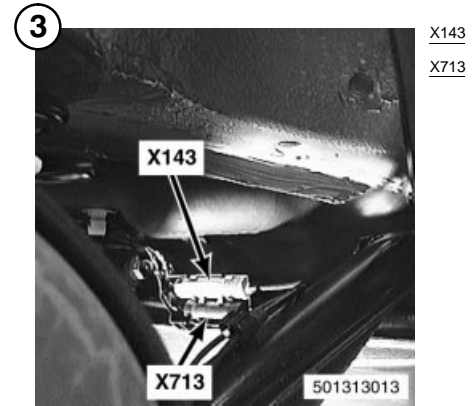
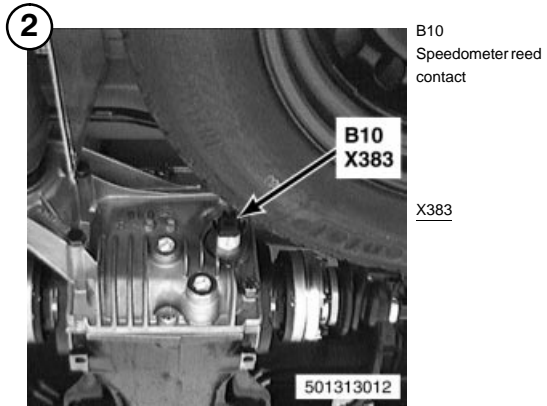
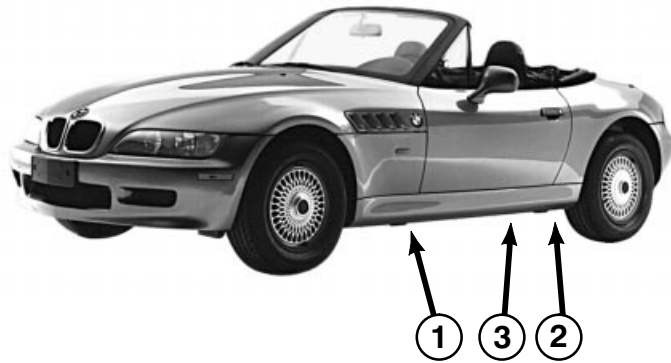
B6254
Oil level switch, thermal

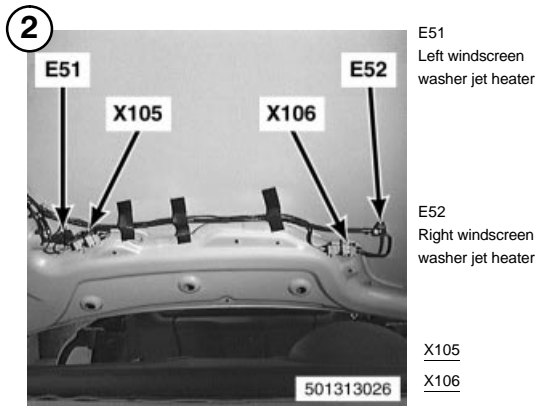
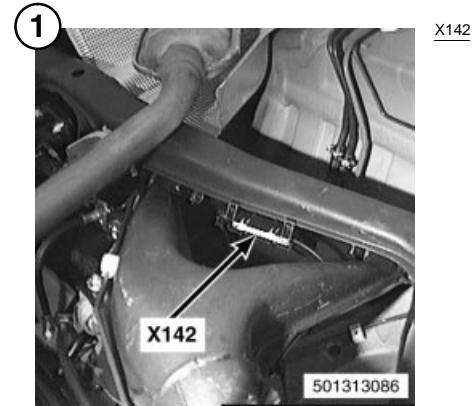
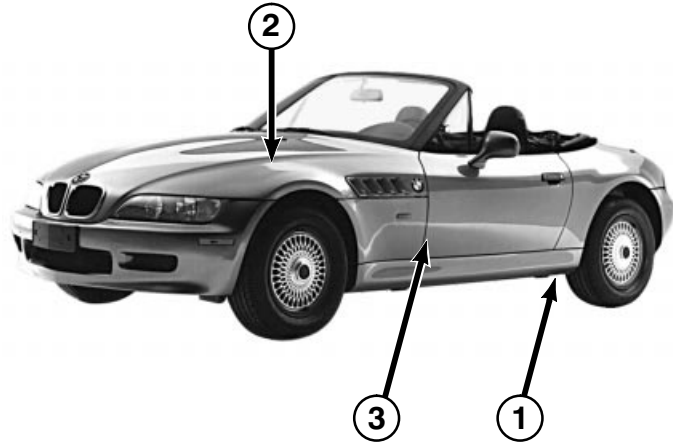
X6254

X6254

B6254

501448056

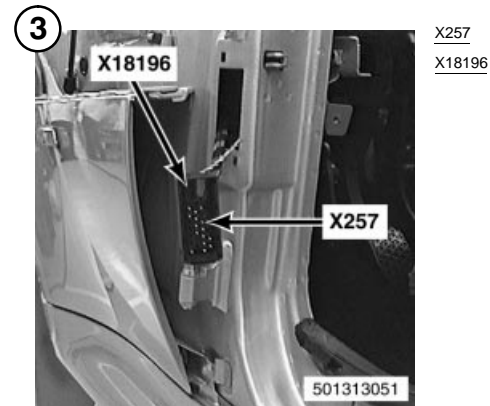




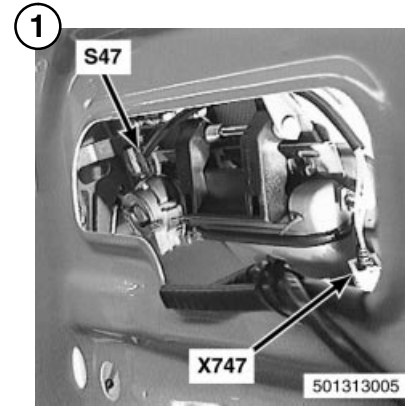
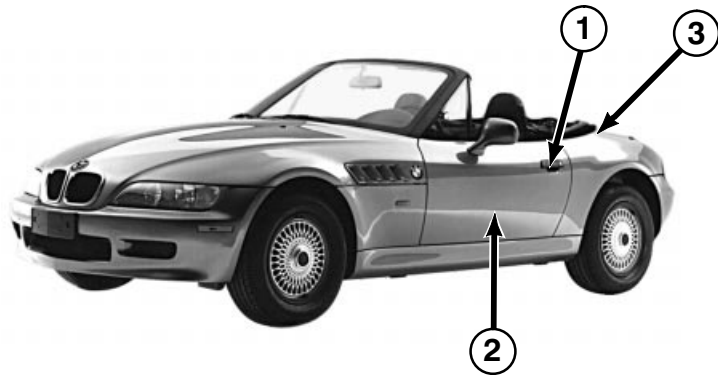
E51
Left windscreen
washer jet heater

E52
Right windscreen
washer jet heater

X105
X106

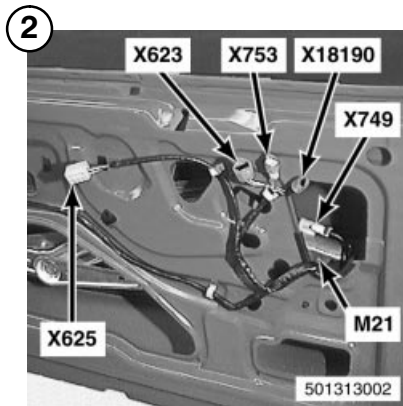


X257
X18196



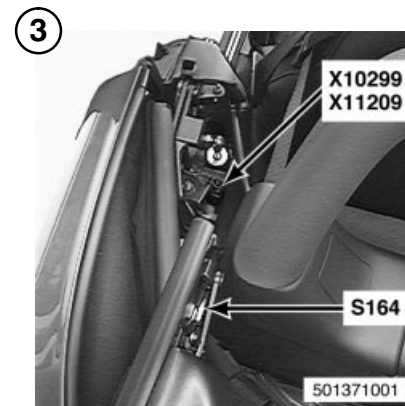
S47
Driver's door lock
switch

X747



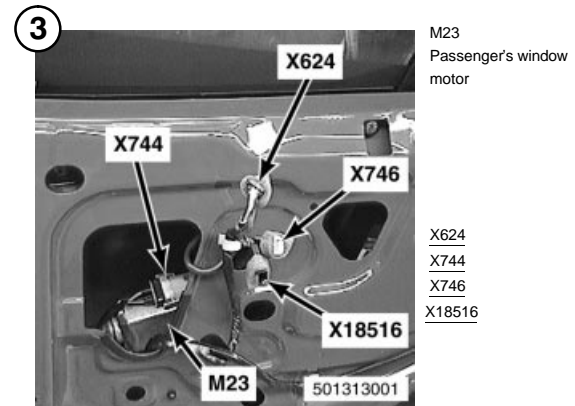
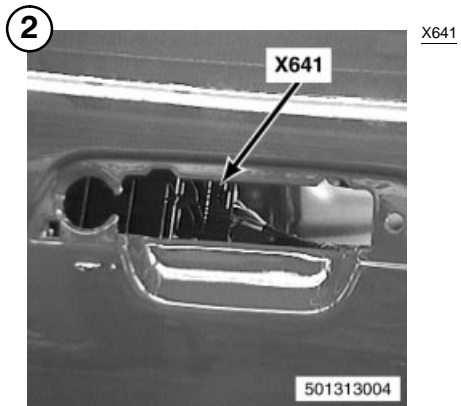
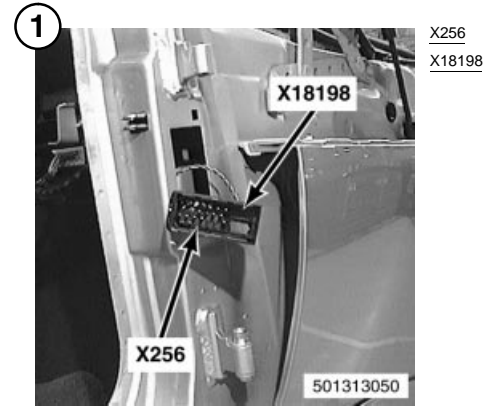
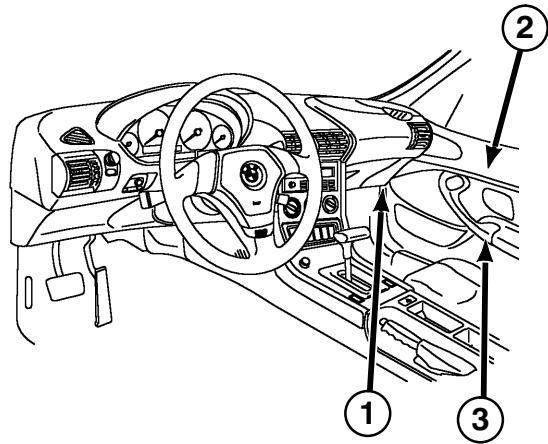
M21
Driver's window
motor

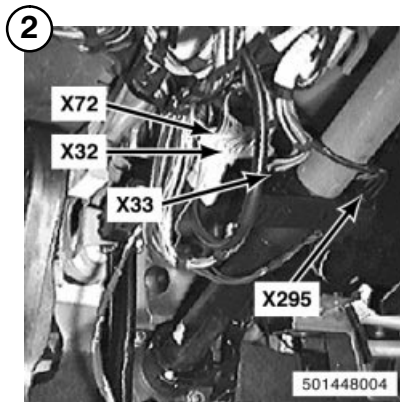
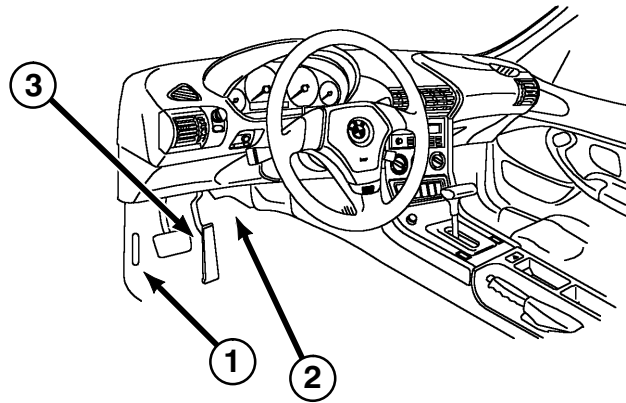
X623
X625
X749
X753
X18190



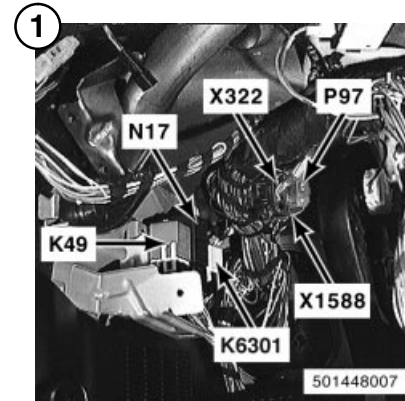
S164
Convertible soft top
deadpoint micro-
switch

X10299
X11209

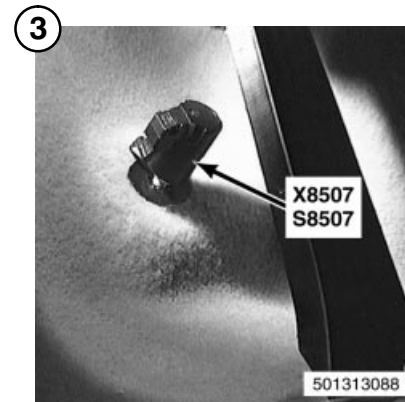




X32
X33
X72
X295



K49 Rear fog light relay
P97 Auxiliary fuse box
K6301 Electrical fuel pump relay
N17 Crash alarm sensor
X322
X1588

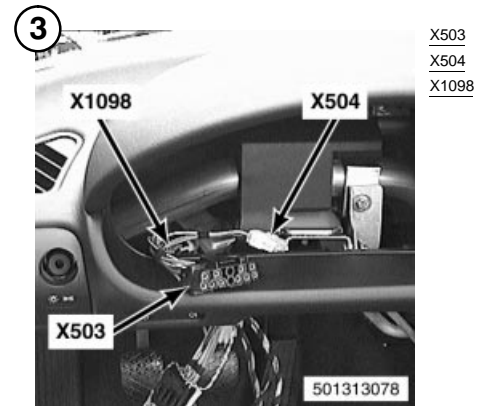
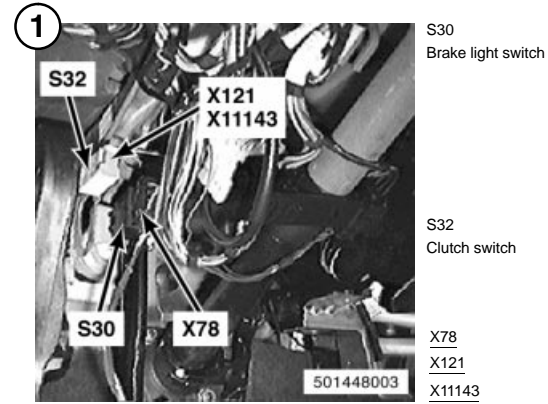
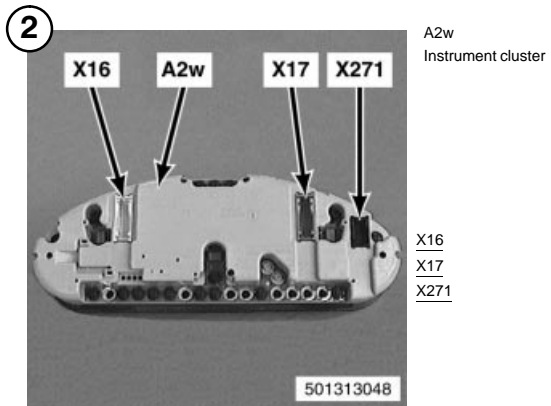
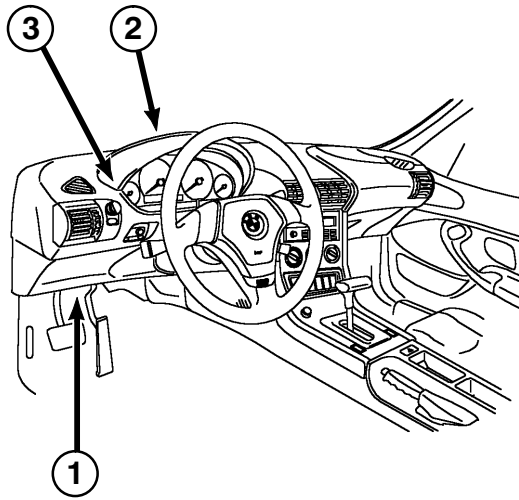


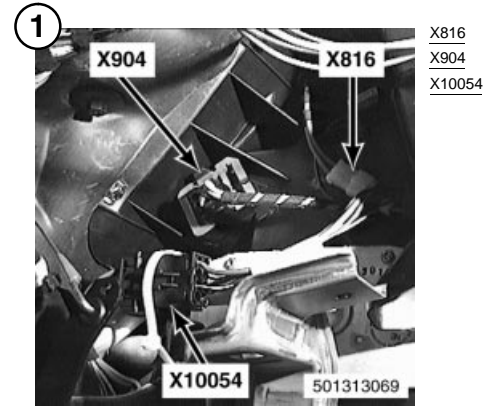
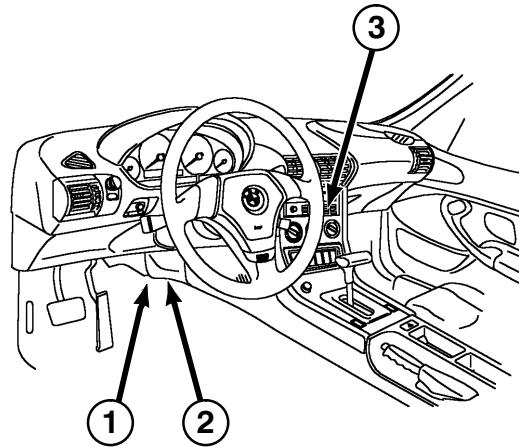
S8507 Kick-down switch
X8507



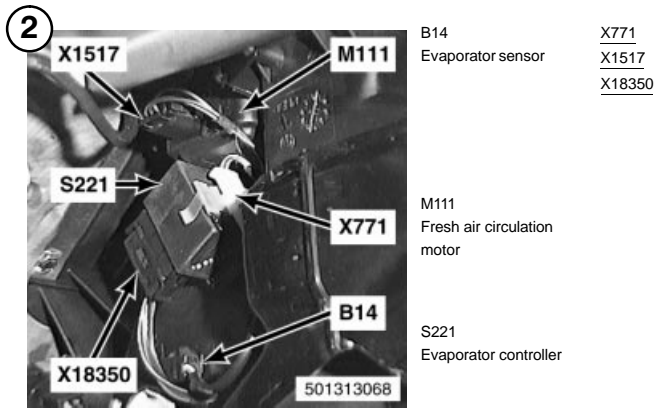
Z3

Component location views





X816
X904
X10054

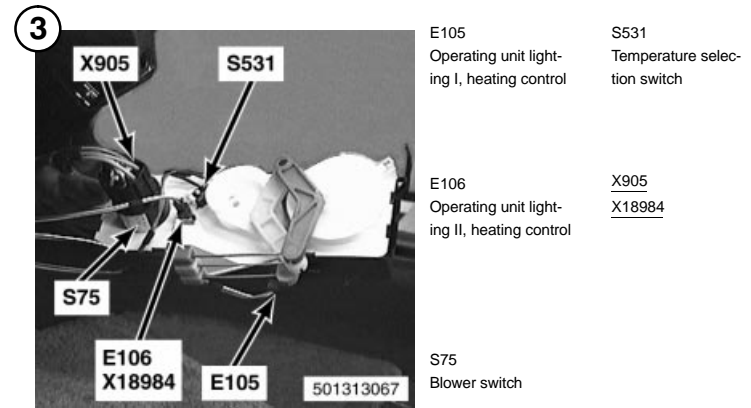


B14
Evaporator sensor

X771
X1517
X18350

M111
Fresh air circulation motor

S221
Evaporator controller



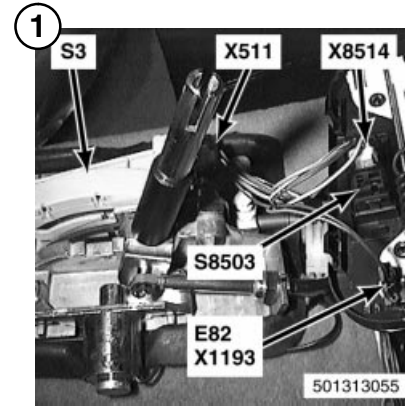
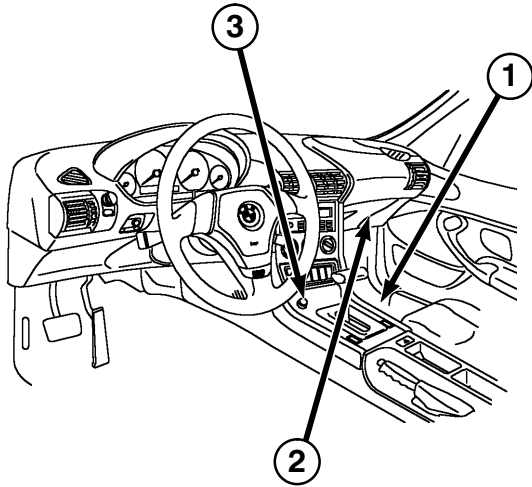
E105
Operating unit lighting I, heating control

S531
Temperature selection switch

E106
Operating unit lighting II, heating control

X905
X18984

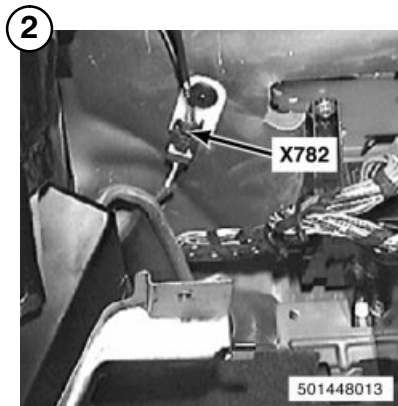
S75
Blower switch



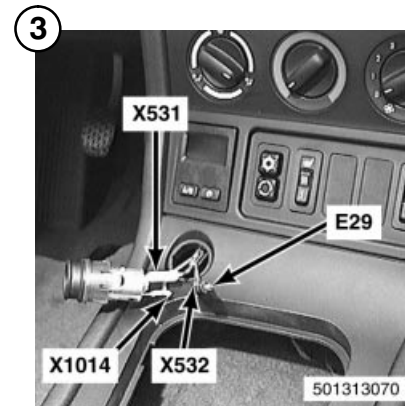
E82
Gear indicator light
X511
X1193
X8514

S3
Gear selector lever
switch

S8503
Program switch

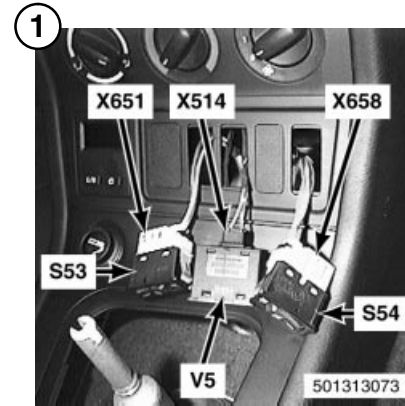
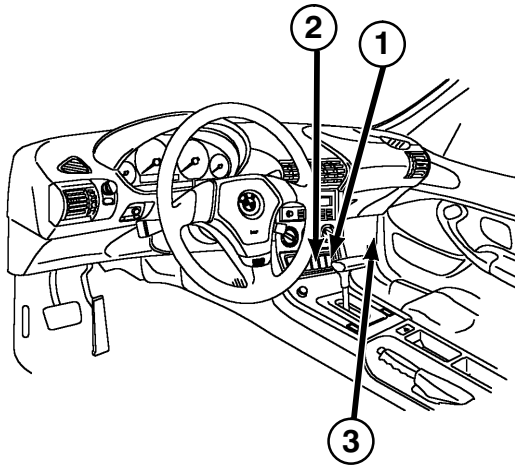


X782



E29
Front cigar lighter
light

X531
X532
X1014



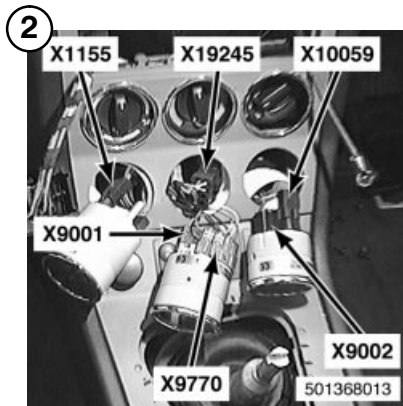
S53
Driver's seat heating
switch

S54
Passenger's seat
heating switch

V5
Antitheft (DWA) LED

X514
X651
X658

501313073



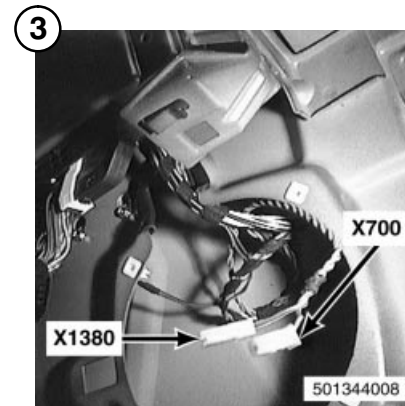
X1155
X9001
X9002
X9770
X10059
X19245

X1155 X19245 X10059

X9001

X9002

X9770 501368013

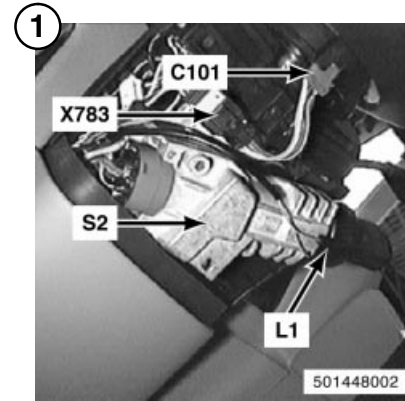
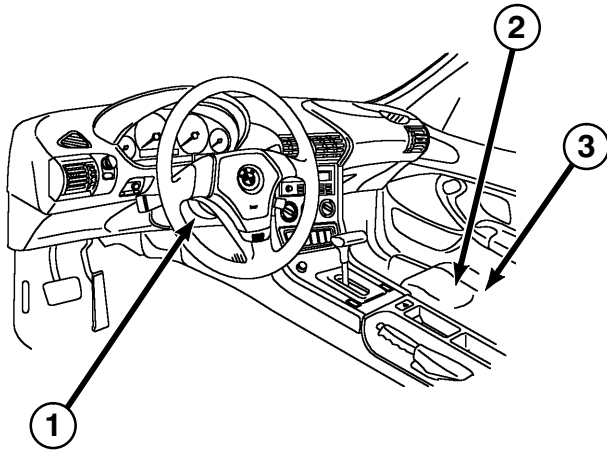


X700
X1380

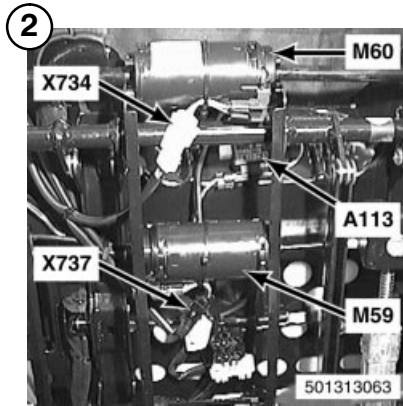
X700

X1380

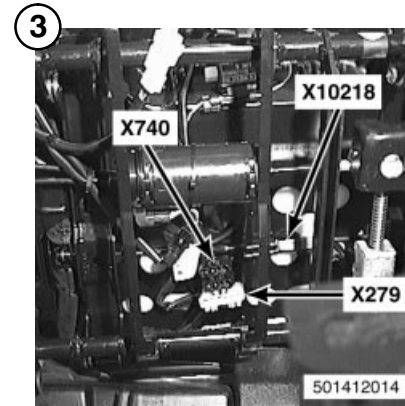
501344008



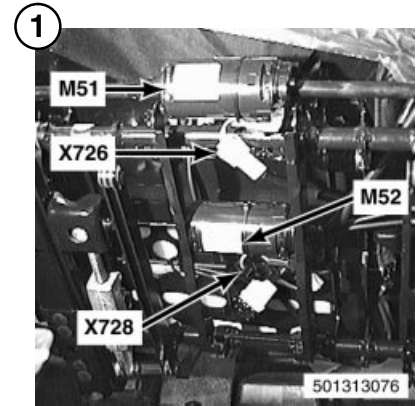
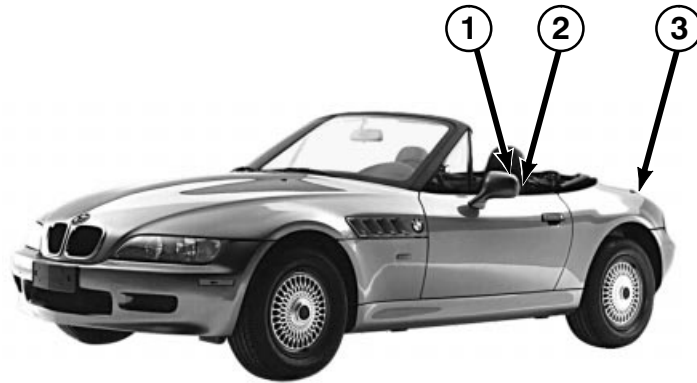
C101 Volute spring X783
L1 Toroidal coil EWS
S2 Ignition switch



A113 Electronic seat control X734
X737
M59 Passenger's seat height adjustment motor
M60 Passenger's seat movement motor



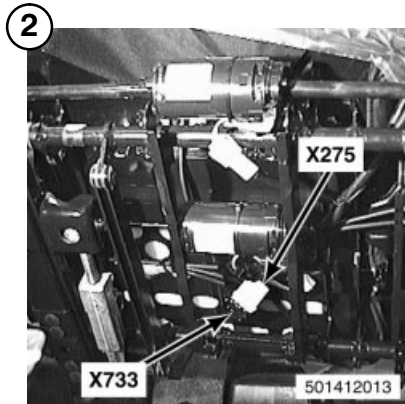
X279
X740
X10218



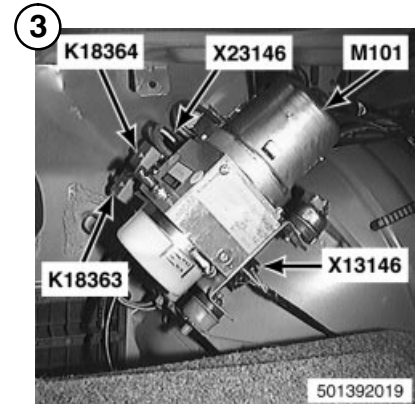
M51
Driver's seat movement motor

M52
Driver's seat height adjustment motor

X726
X728



X275
X733

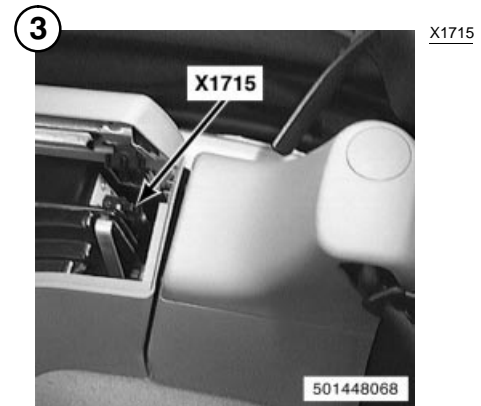
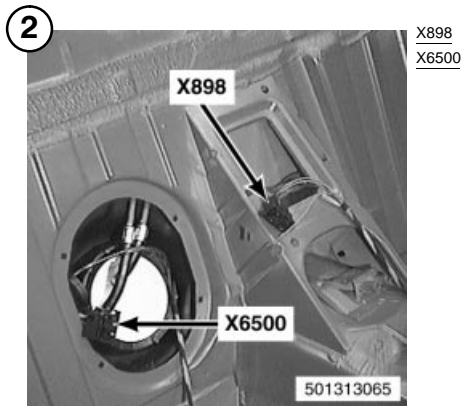
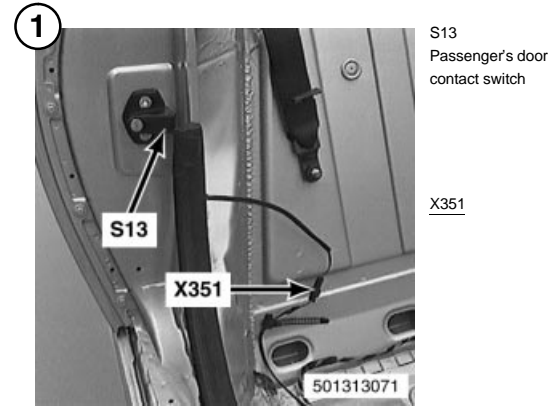
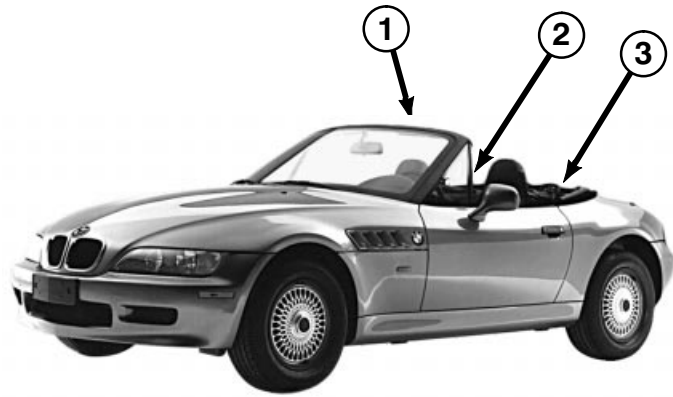


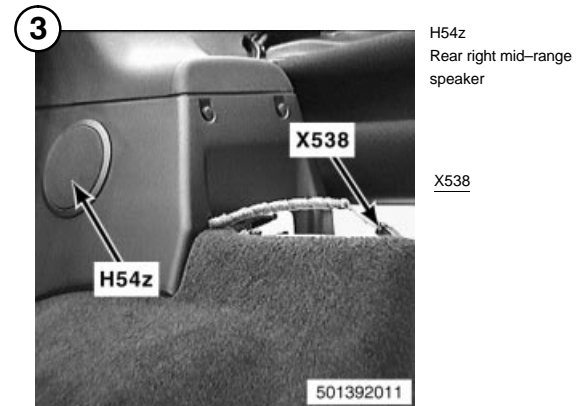
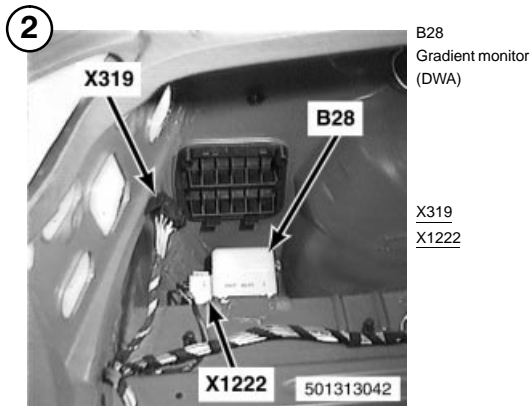
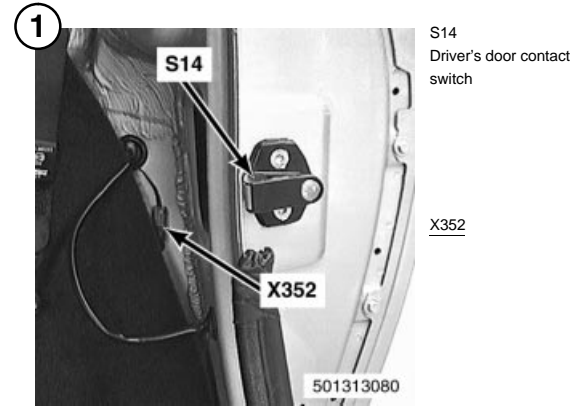
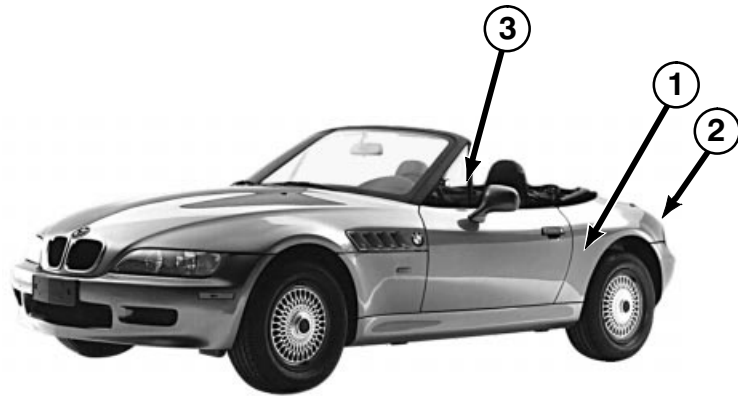
K18363
Convertible soft top relay I (close)

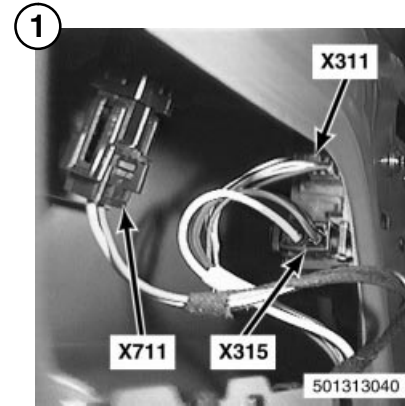
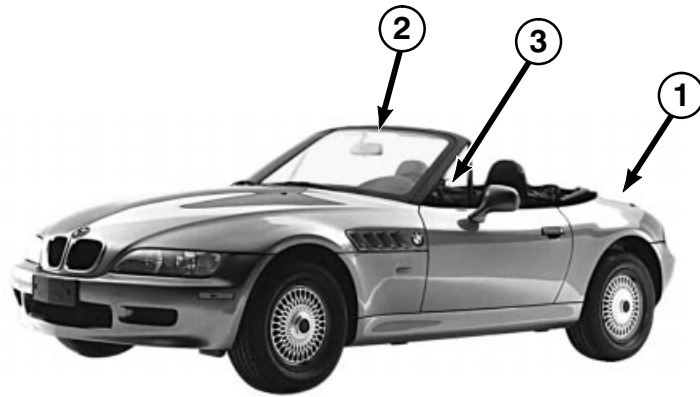
K18364
Convertible soft top relay II (open)

M101
Convertible soft top drive

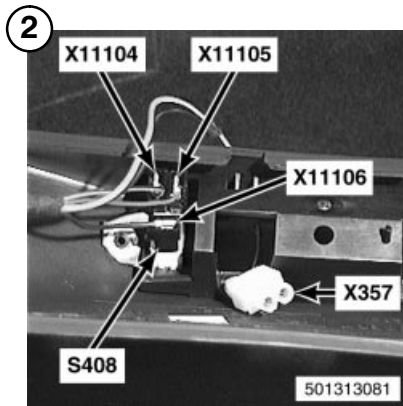
X13146
X23146





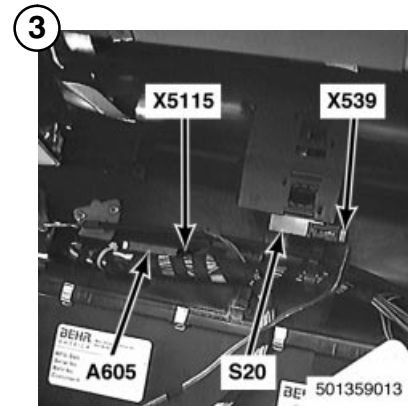


X311
X315
X711



S408
Side light switch

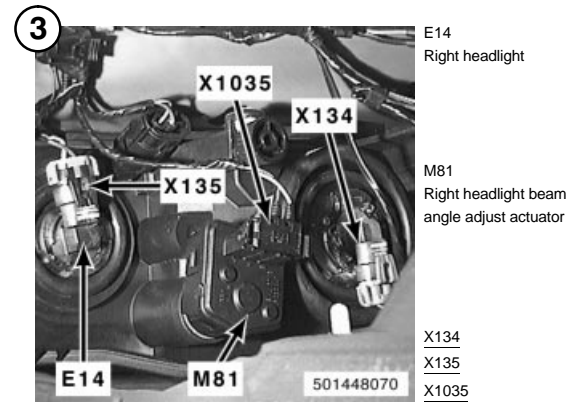
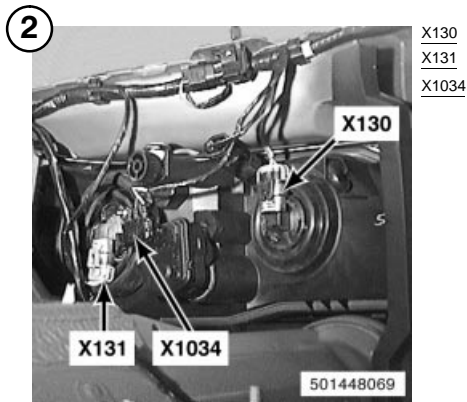
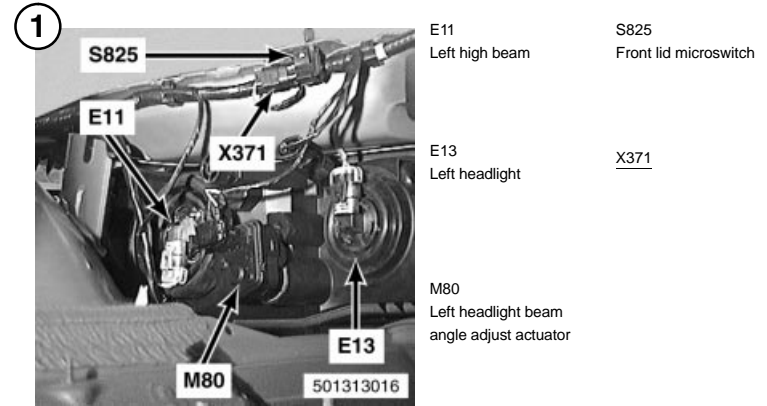
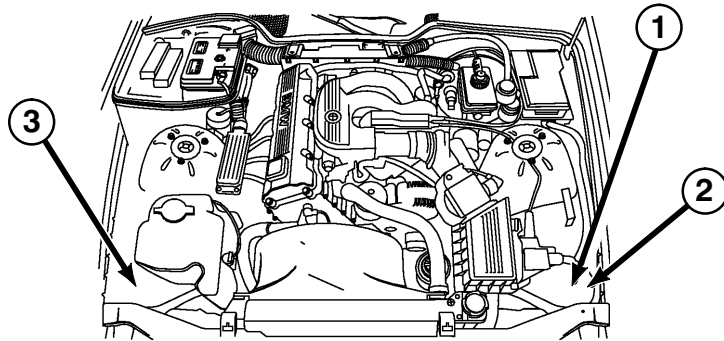
X357
X11104
X11105
X11106

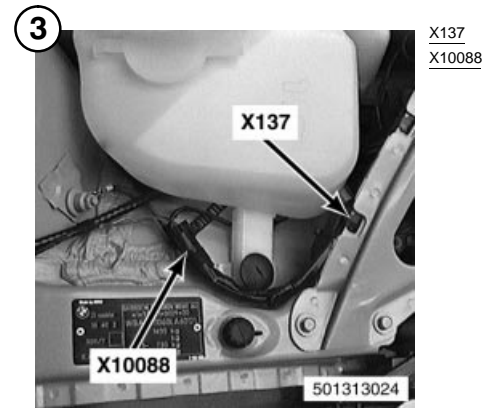
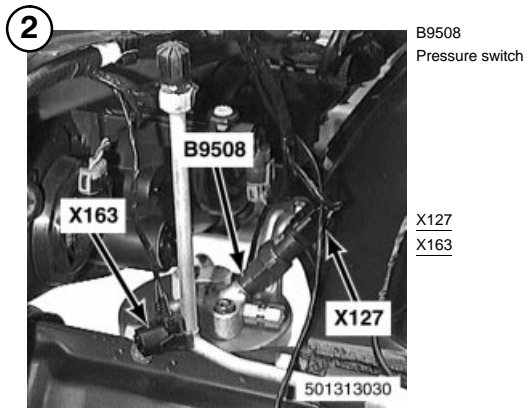
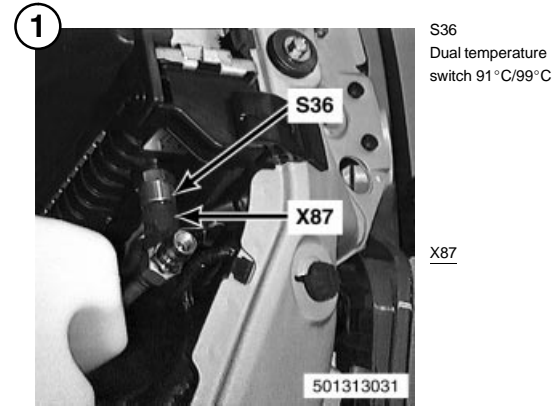
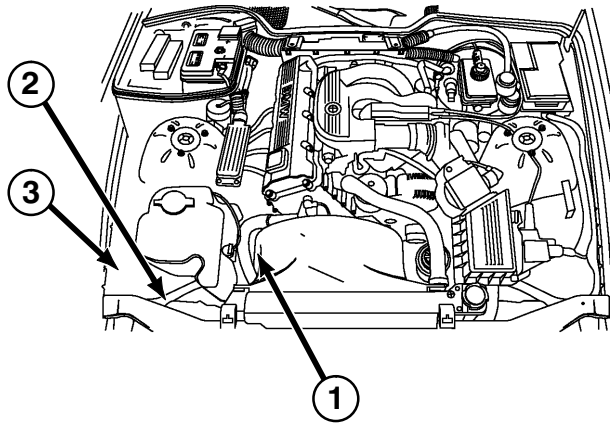


A605
Fuse holder

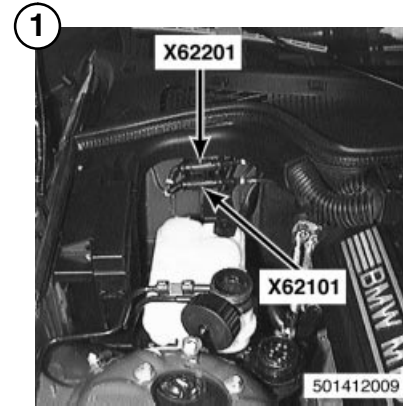
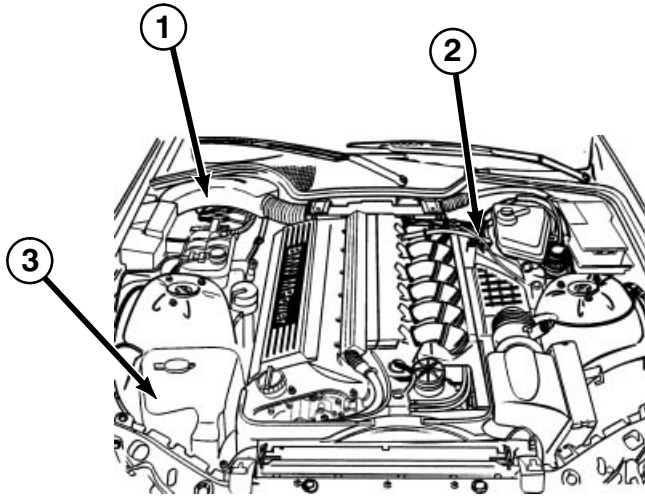
S20
Antitheft (DWA) radio
microswitch

X539
X5115

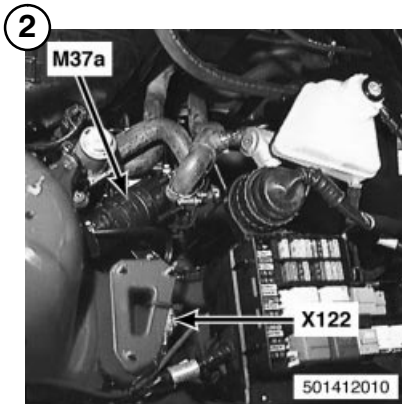




Component location views

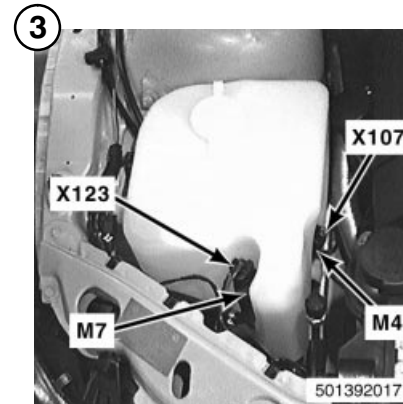


X62101
X62201



M37a
Auxiliary water pump

X122

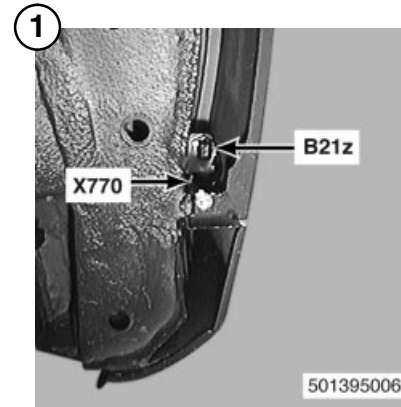
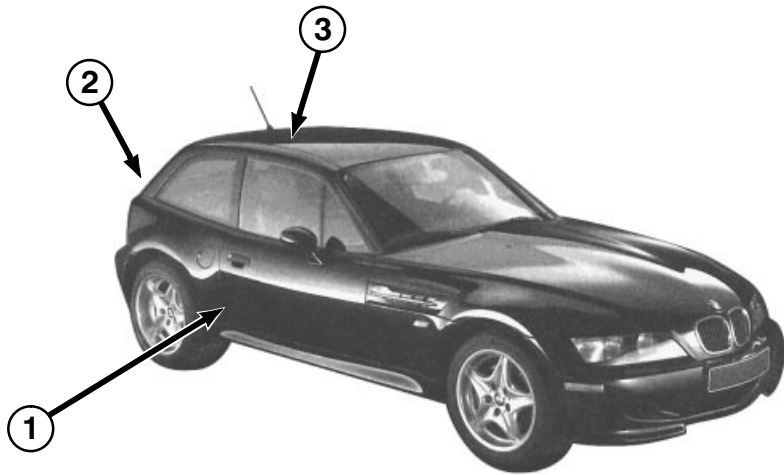


M4
Washer pump

M7
Headlight washer
pump

X107
X123

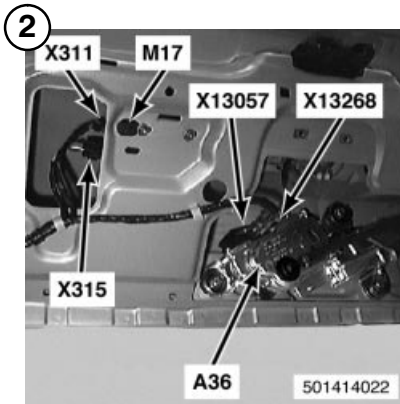
Component location views



B21z
Outside temperature
sensor

X770

501395006



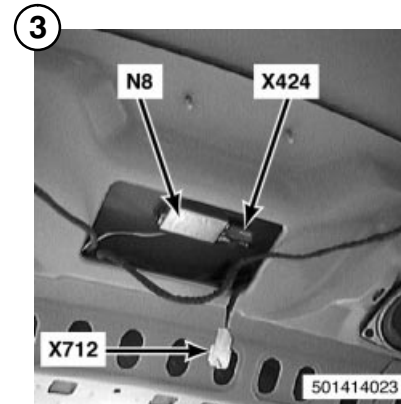
A36
Rear wipe/wash
interval control unit

X13057
X13268

M17
Central locking drive
rear lid

X311
X315

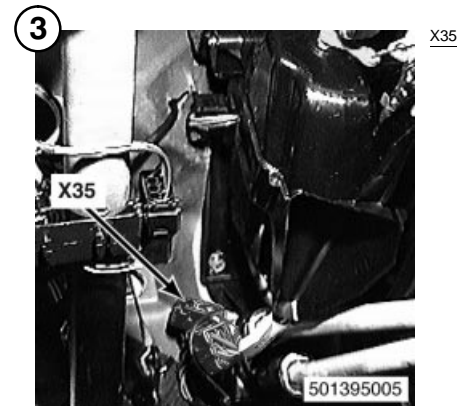
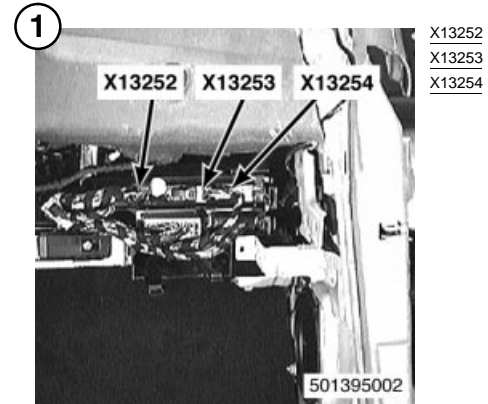
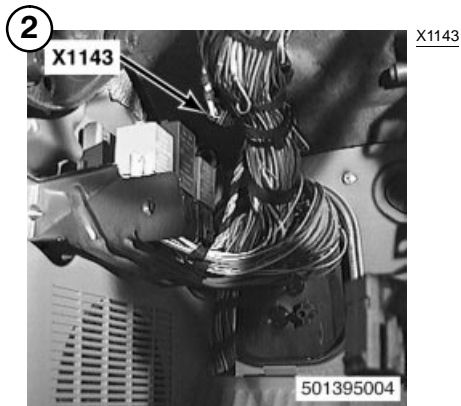
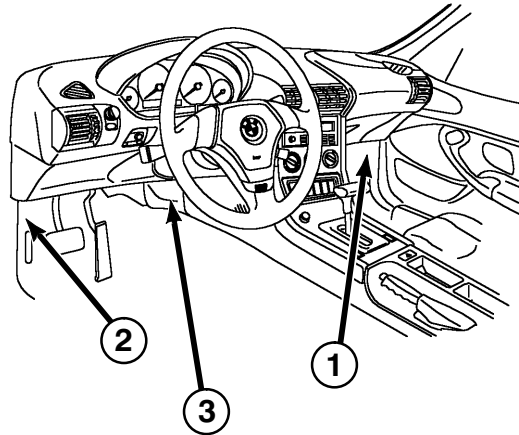
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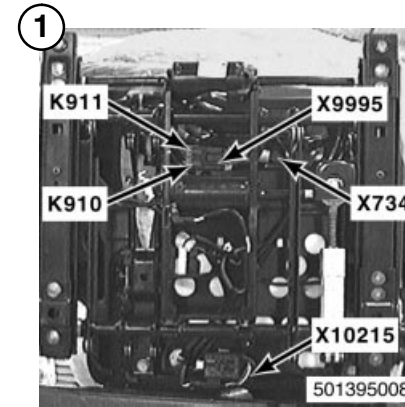
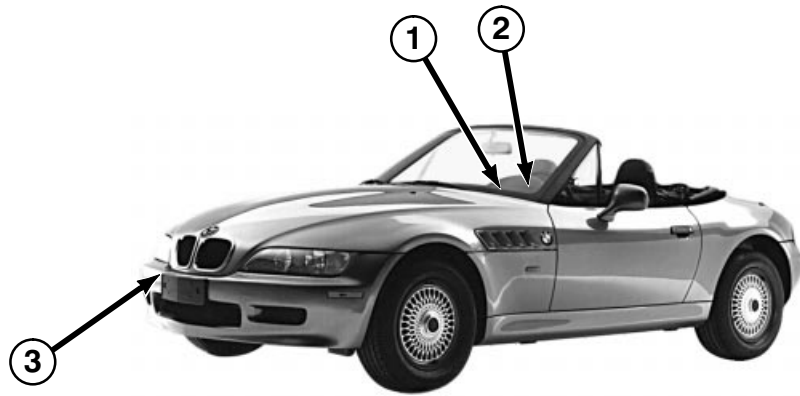
N8
AM/FM antenna
amplifier

X424
X712

501414023



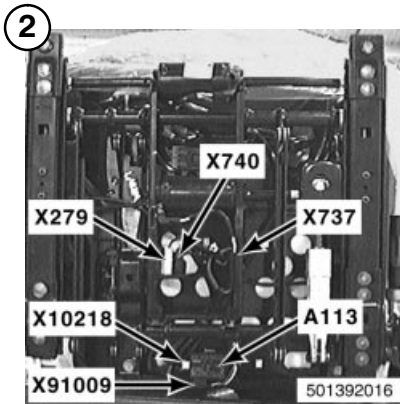
Component location views



K910
Passenger seat
height adjustment
cut-off relay

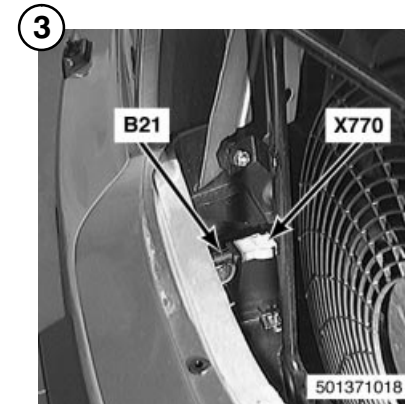
K911
Passenger seat fore
and aft adjustment
cut-off relay

X734
X9995
X10215



A113
Electronic seat control

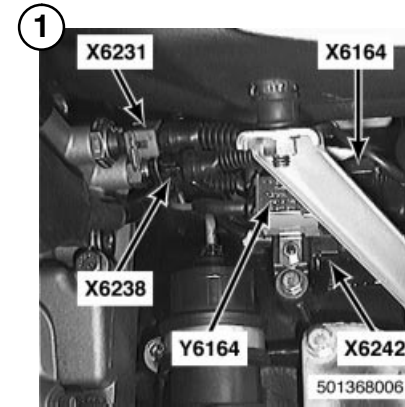
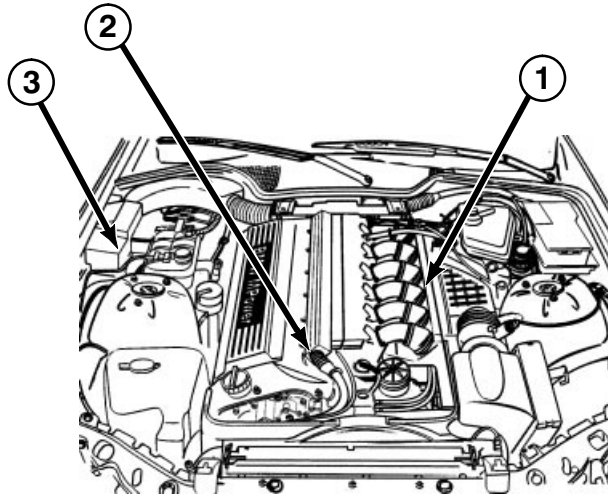
X279
X737
X740
X10218
X91009



B21
On-board computer
temperature sensor

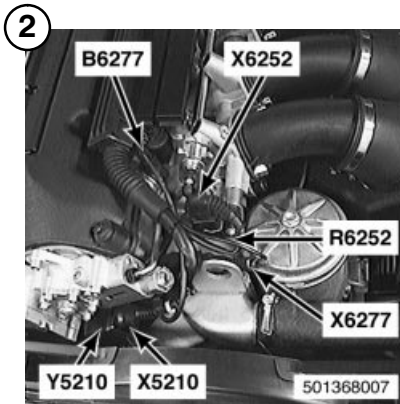
X770

Component location views



X6164
Valve for secondary
air pump

X6164
X6231
X6238
X6242

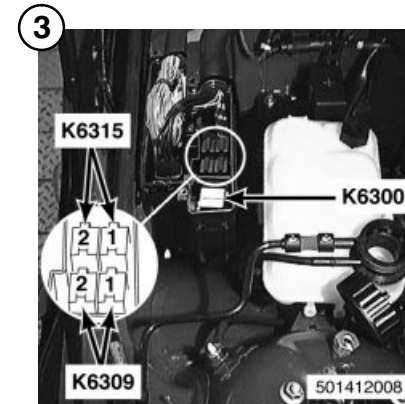


B6277
VANOS sensor 1
(inlet)

R6252
Throttle potentiometer

Y5210
VANOS valve 1 and
2 (inlet)

X5210
X6252
X6277



K6300
DME relay

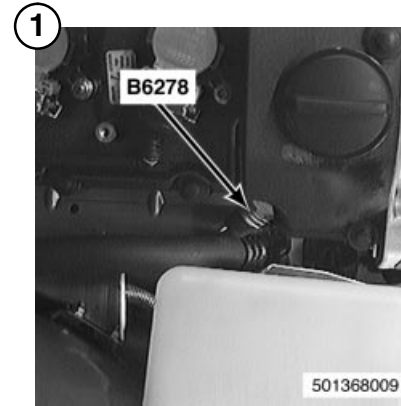
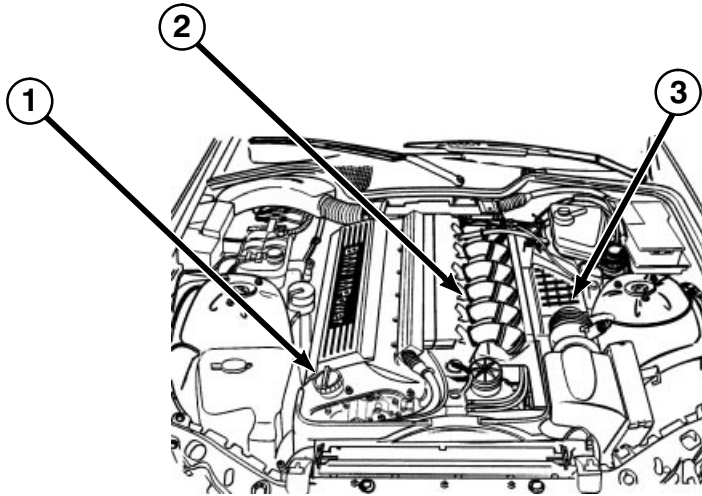
K6309
Oxygen sensor and air pump
relays

- 1) Oxygen sensor relay
- 2) Air pump relay

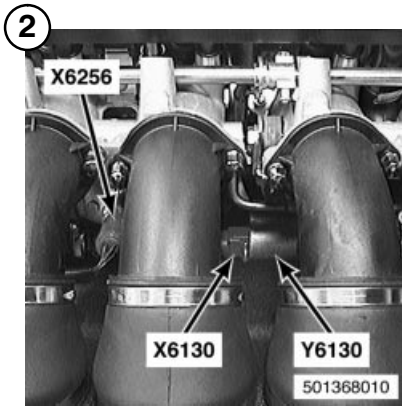
K6315
Relay, unloader terminal 15
and starter recognition

- 1) Unloader relay terminal 15
- 2) Starter recognition relay

Component location views

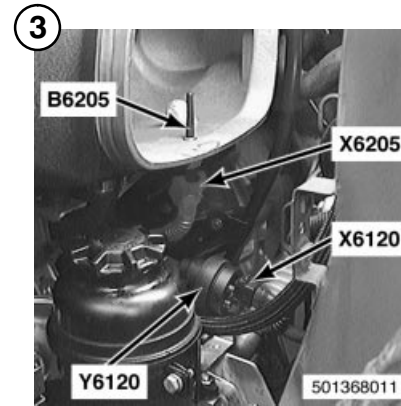


B6278
VANOS sensor 2
(exhaust)



Y6130
Idle actuator

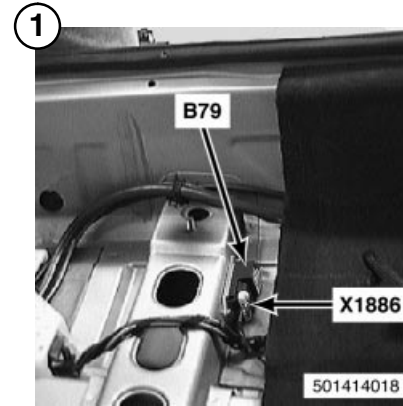
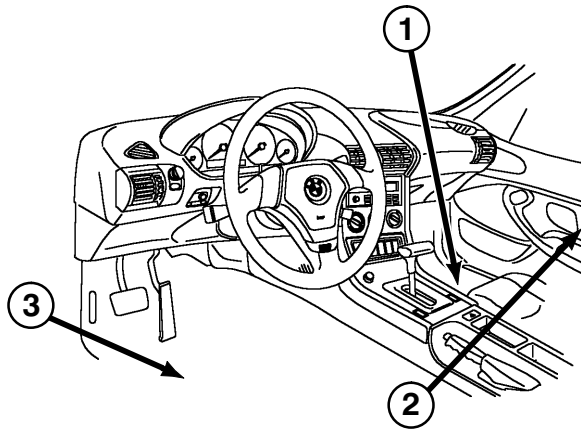
X6130
X6256



B6205
Intake air temperature sensor

Y6120
Charcoal filter valve

X6120
X6205

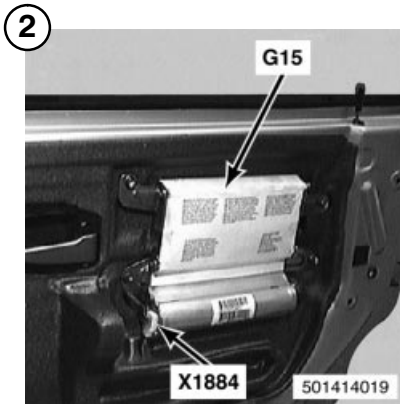


1
B79
Passenger's side
impact sensor

X1886

X1886

501414018

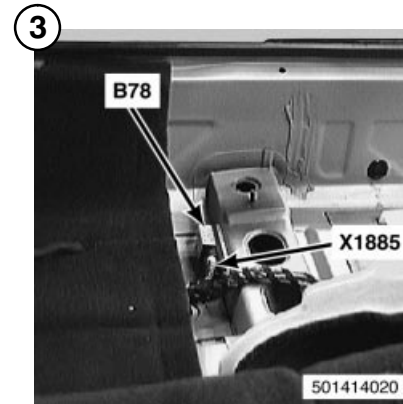


2
G15
Gas generator, right
side airbag

X1884

501414019

X1884

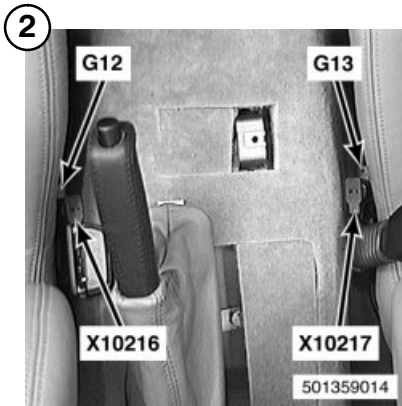
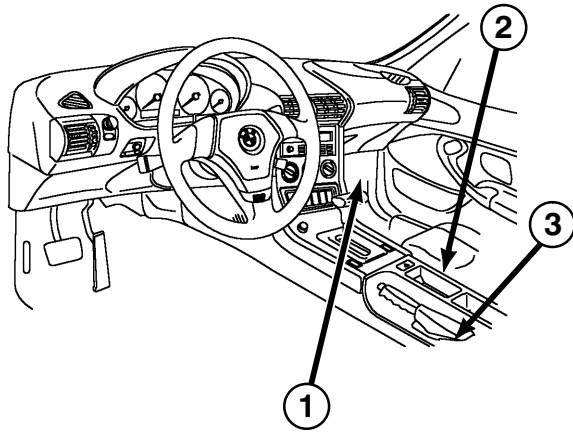


3
B78
Driver's side impact
sensor

X1885

X1885

501414020

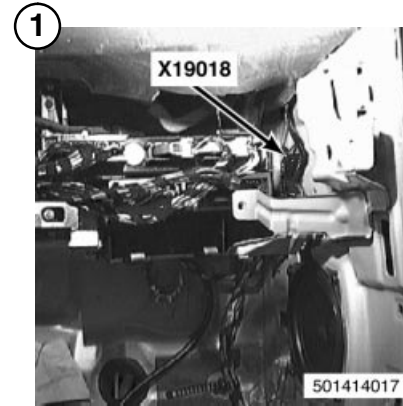


G12
Pyrotechnical belt
tensioner, driver's
side

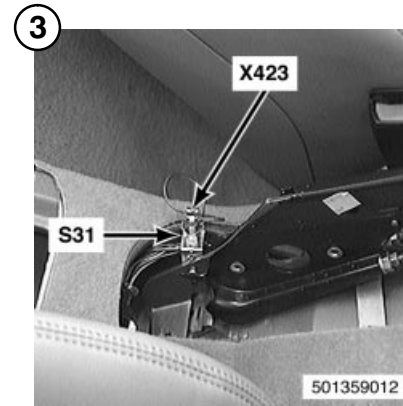
G13
Pyrotechnical belt
tensioner, passen-
ger's side

X10216
X10217

501359014



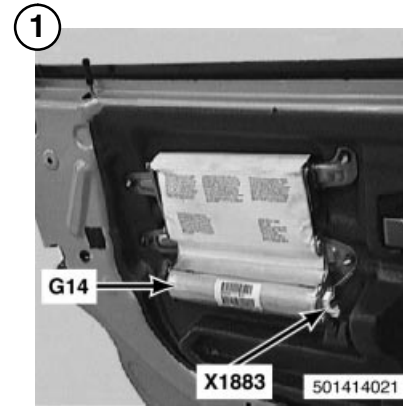
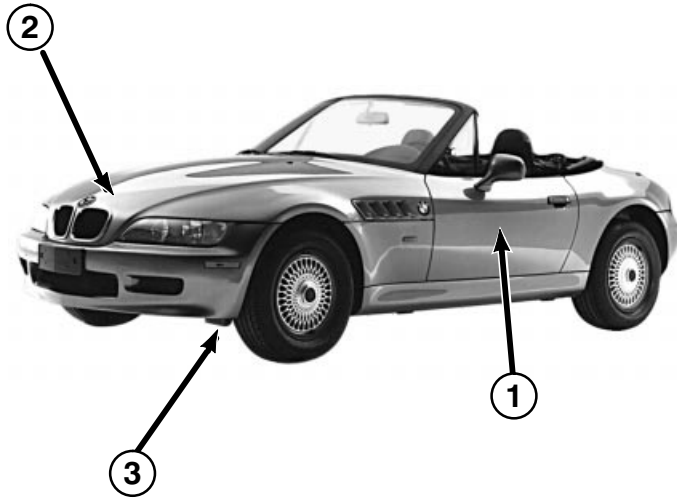
X19018



S31
Handbrake switch

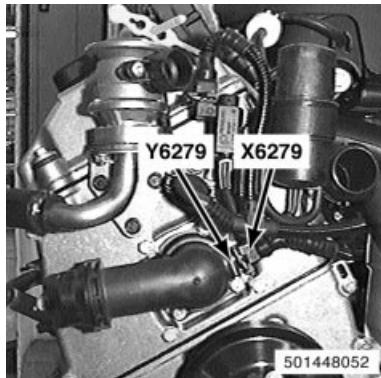
X423

501359012



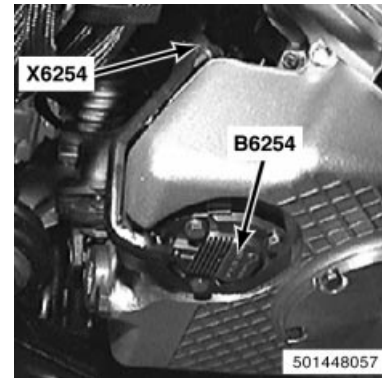
G14
Gas generator, left
side airbag

X1883



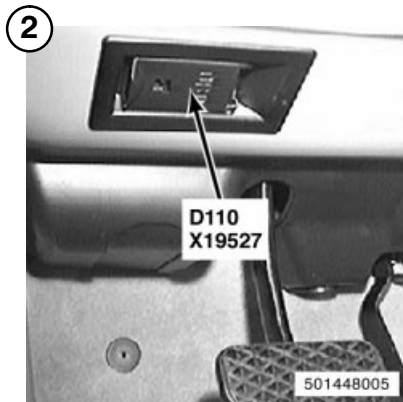
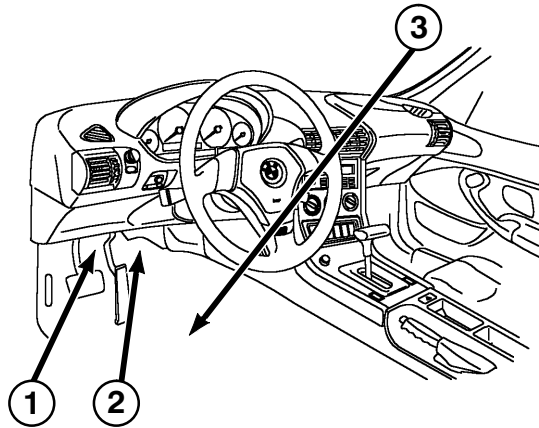
Y6279
Solenoid valve, char-
acteristic map cooling

X6279



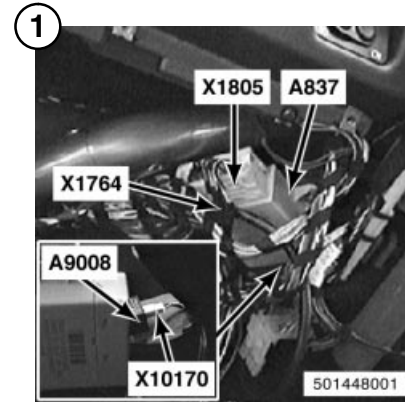
B6254
Oil level switch, ther-
mal

X6254



D110
OBD II connector

X19527



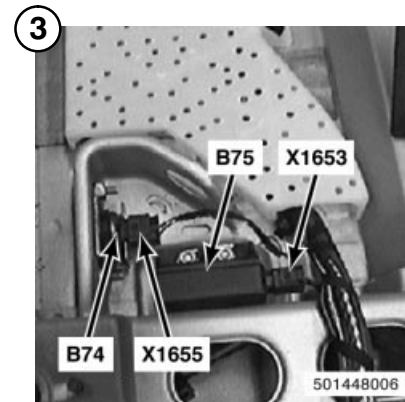
A837
Electronic
immobiliser control
unit (EWS III)

A9008
Cruise control
(Tempomat) interface

X1764

X1805

X10170



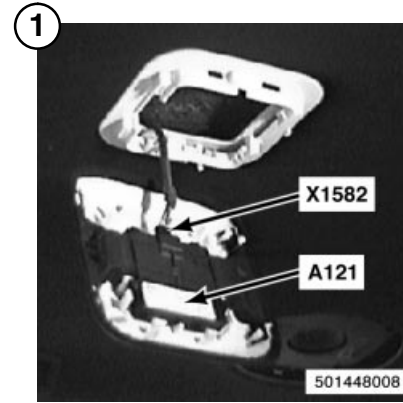
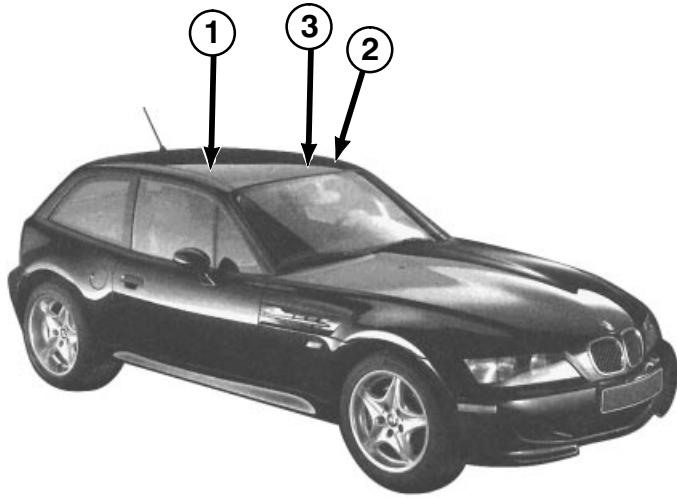
B74
Transverse accel-
eration sensor

B75
Rpm rate sensor

X1653

X1655

Component location views



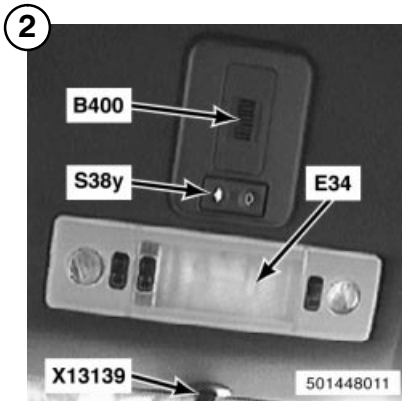
1
A121
Interior movement detector

X1582

X1582

A121

501448008



2
B400
Microphone

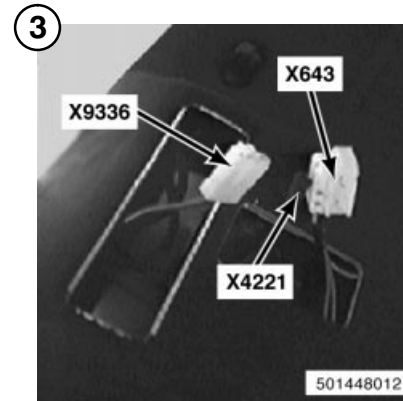
X13139

E34
Interior/reading lamp, front

S38y
Tilt sunroof switch

X13139

501448011



3
X643

X4221

X9336

X9336

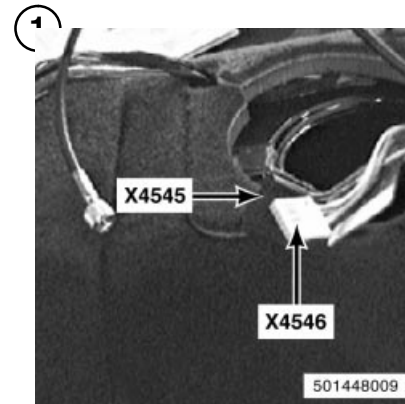
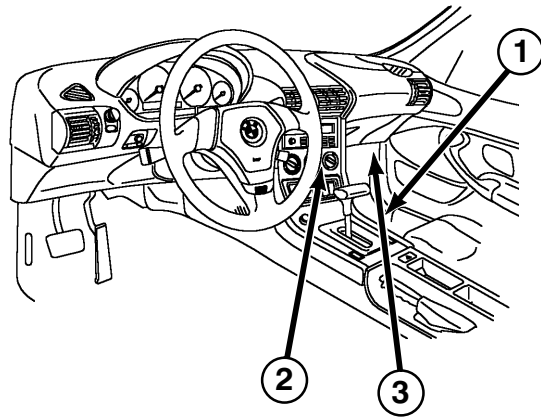
X643

X4221

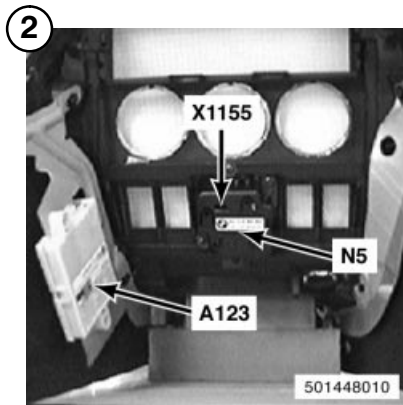
501448012

Component location views

Location of control units



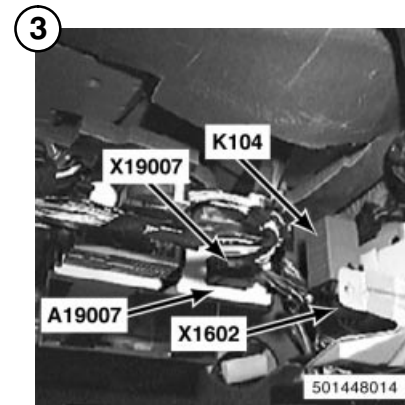
X4545
X4546



A123
Interior movement
detector II

N5
Analogue clock

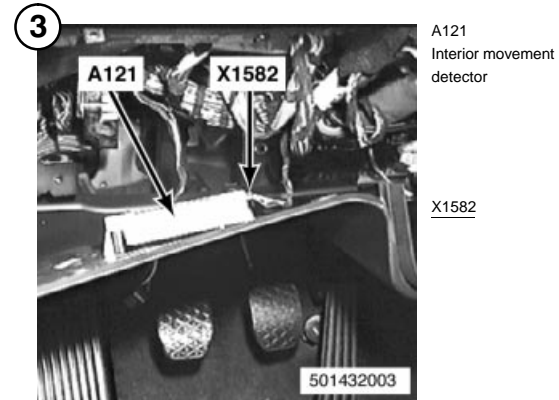
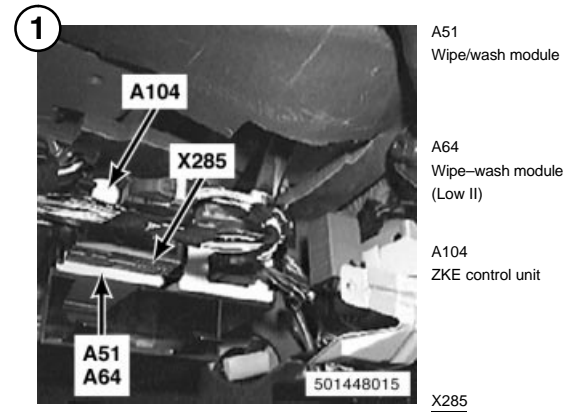
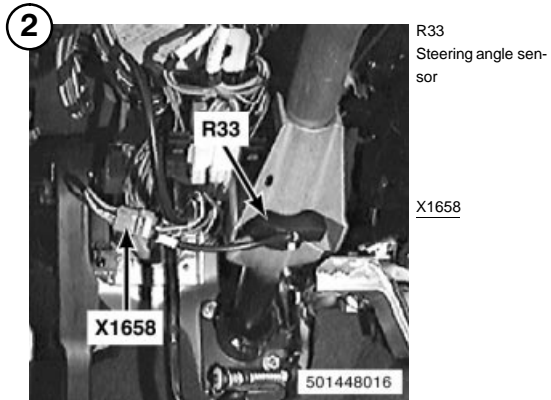
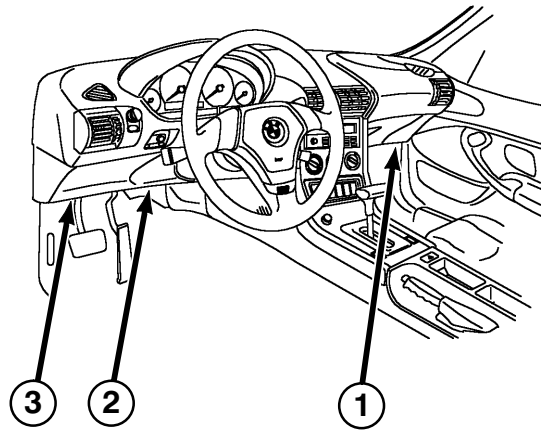
X1155

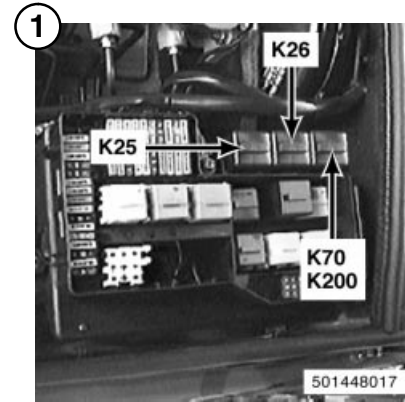
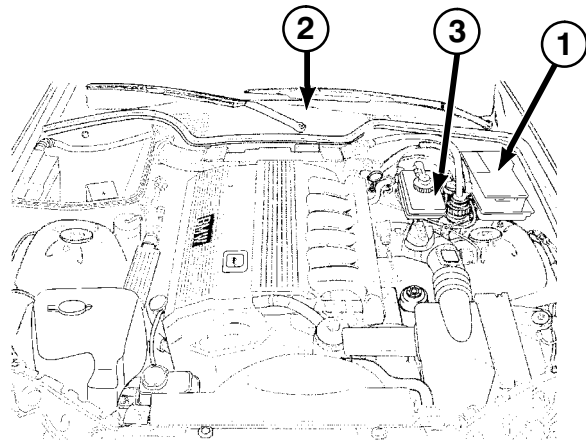


A19007
Control unit, thermal
oil level sensor
(TOENS)

K104
Relay, air condition-
ing/auxiliary water
pump

X1602
X19007





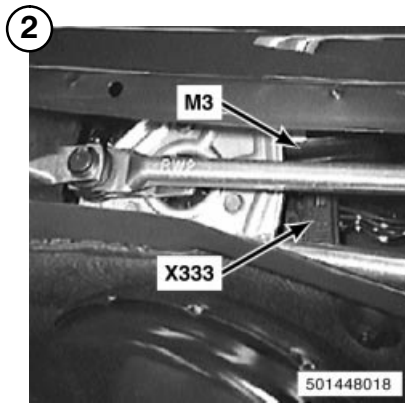
K25 Right parking light/ licence plate light relay

K200 Relay lighting Scandinavia

K26 Left parking light relay

K70 ZV, rear lid motor relay

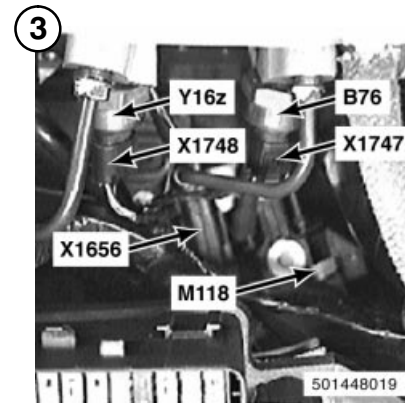
501448017



M3 Wiper motor

X333

501448018



B76 Pressure sensor

M118 Presupply pump

Y16z Pressure sensor

X1656

X1747

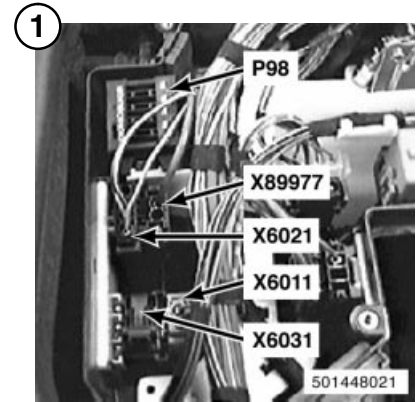
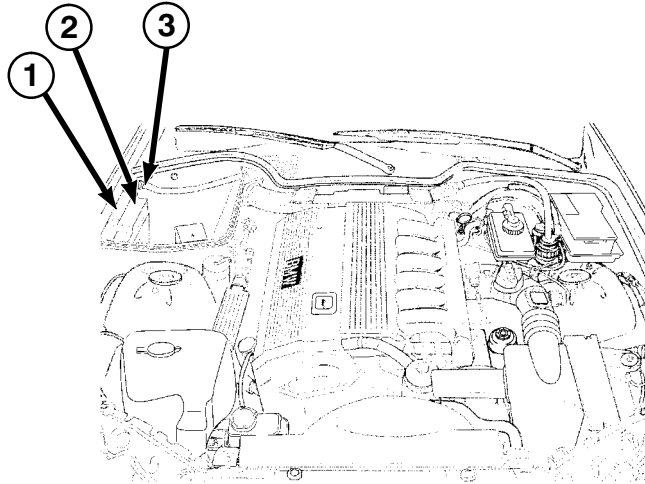
X1748

501448019



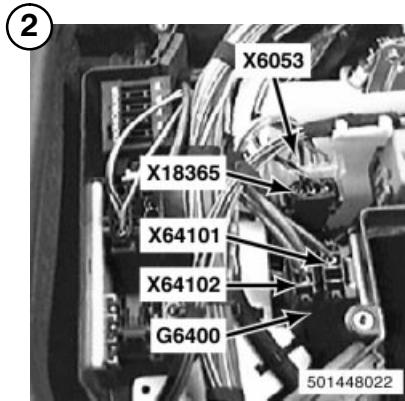
Z3

Component location views



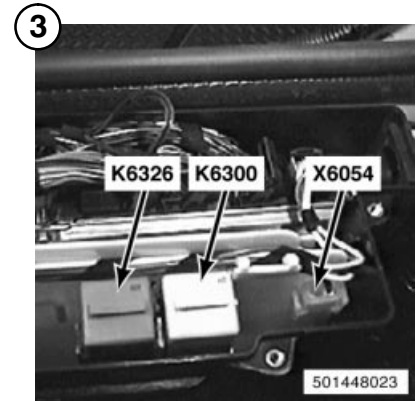
P98
Fuse box in E-box

- X6011
- X6021
- X6031
- X89977



G6400
B+ distributor in
E-box

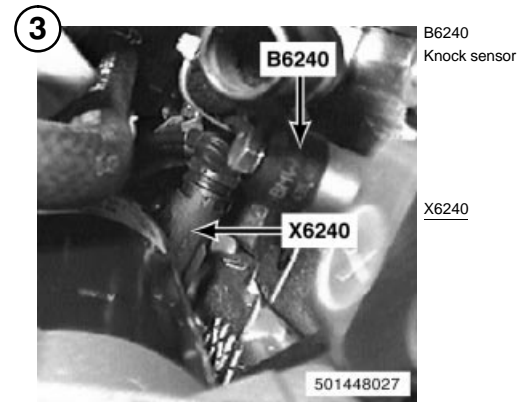
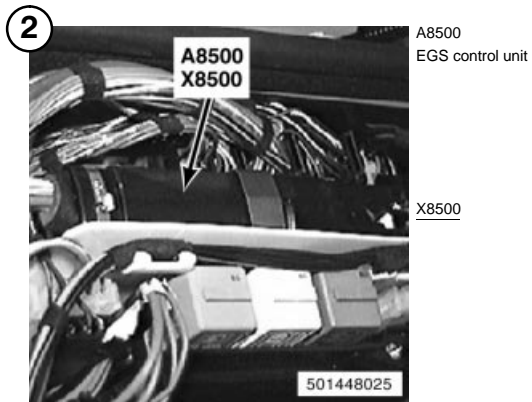
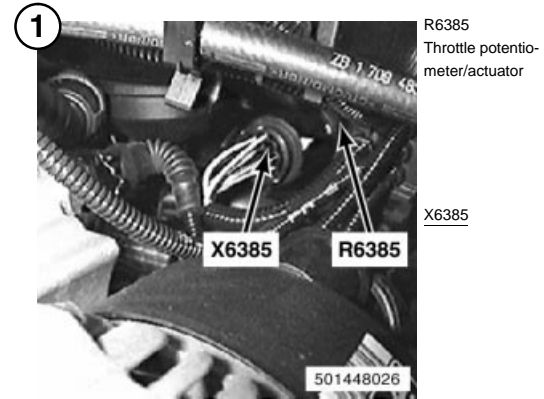
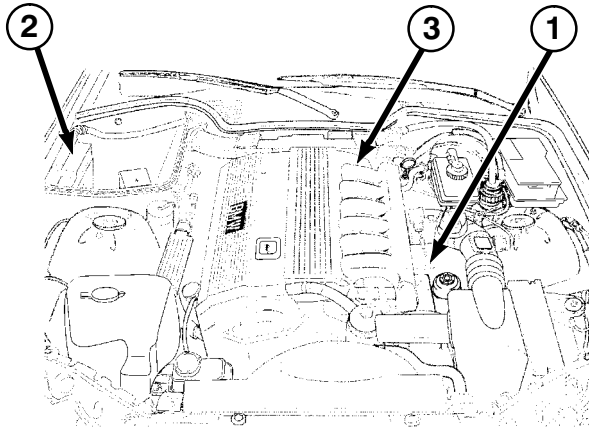
- X6053
- X18365
- X64101
- X64102

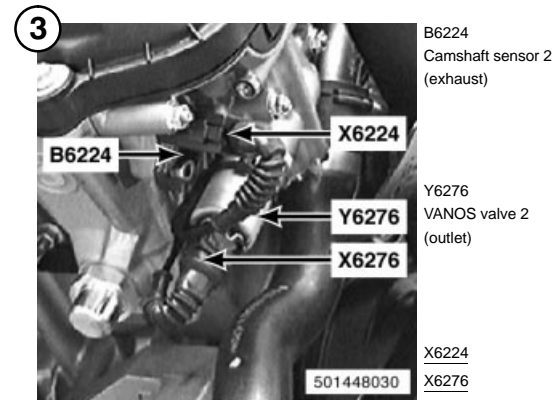
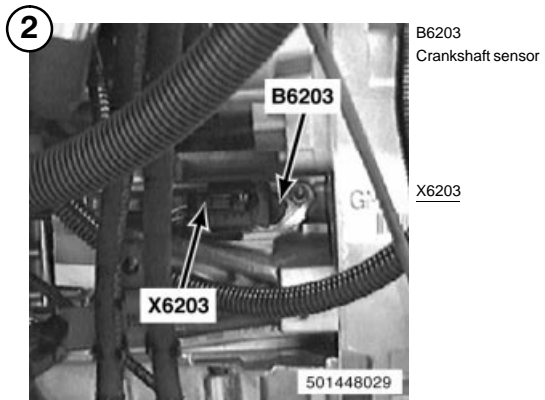
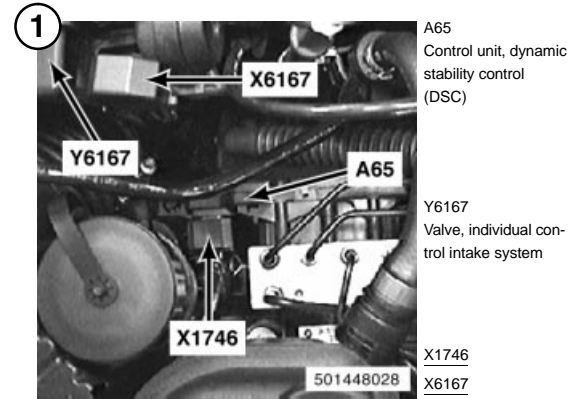
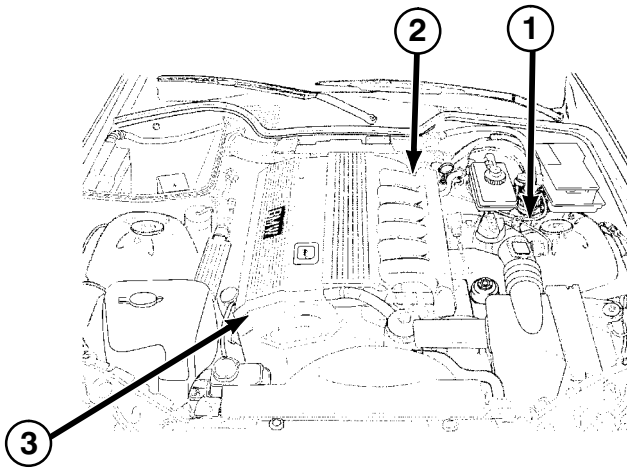


K6300
DME relay

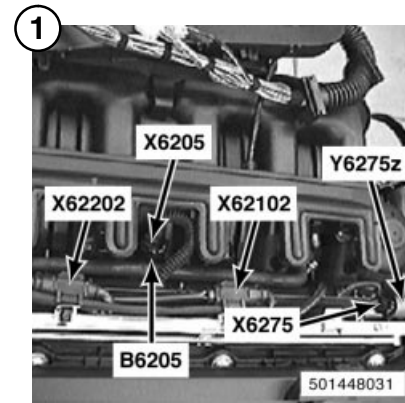
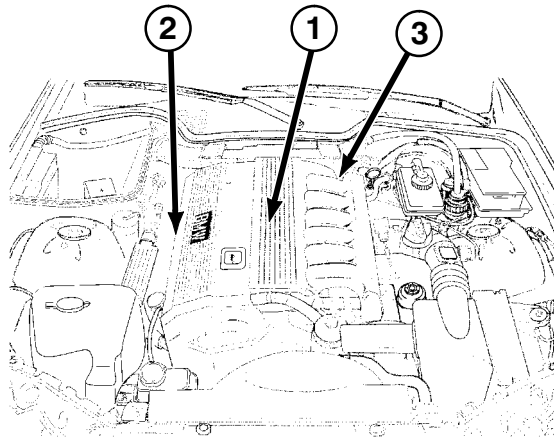
K6326
Unloader relay, ter-
minal 15

X6054





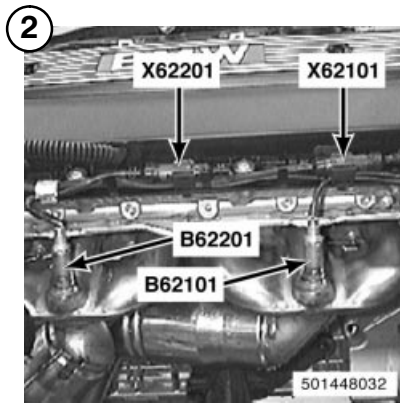
Component location views



B6205
Intake air temperature sensor

Y6275z
VANOS valve 1 (inlet)

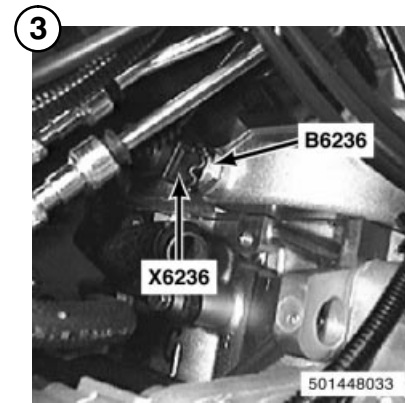
X6205
X6275
X62102
X62202



B62101
Oxygen sensor I in front of catalytic converter

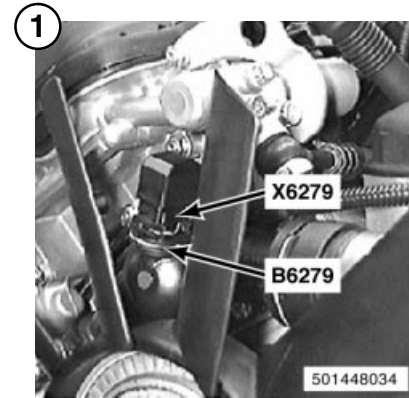
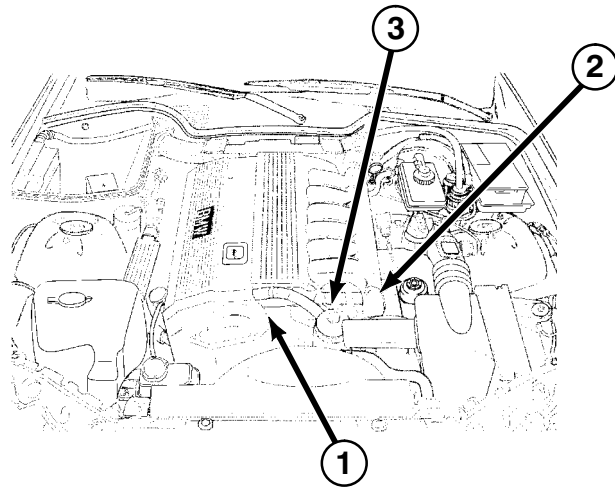
B62201
Oxygen sensor II in front of catalytic converter

X62101
X62201



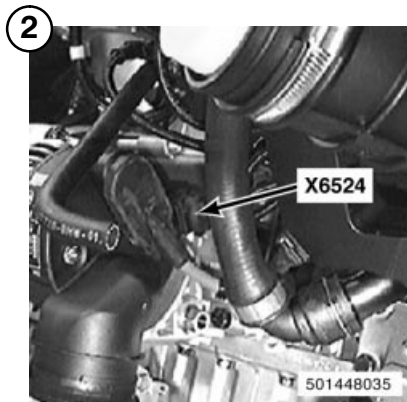
B6236
Coolant temperature sensor

X6236

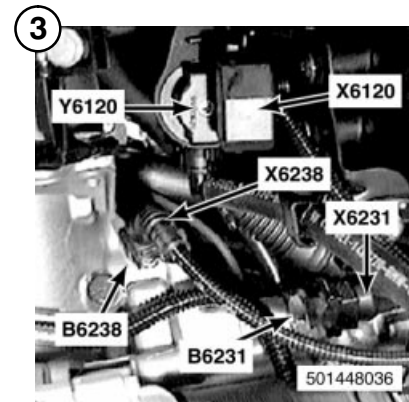


B6279
Thermostat, characteristic map cooling

X6279



X6524



B6231
Oil pressure switch

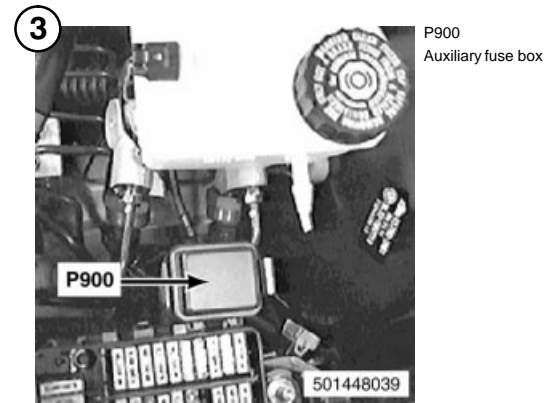
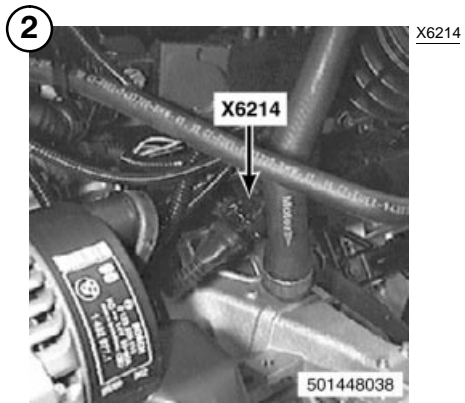
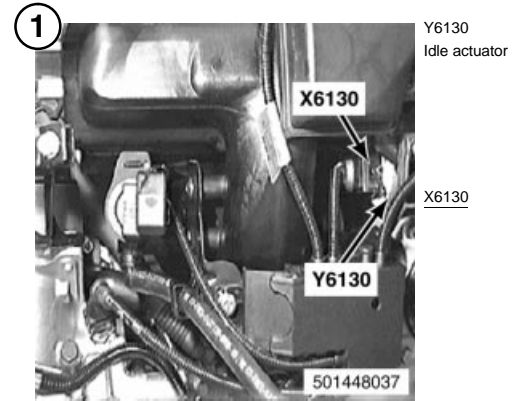
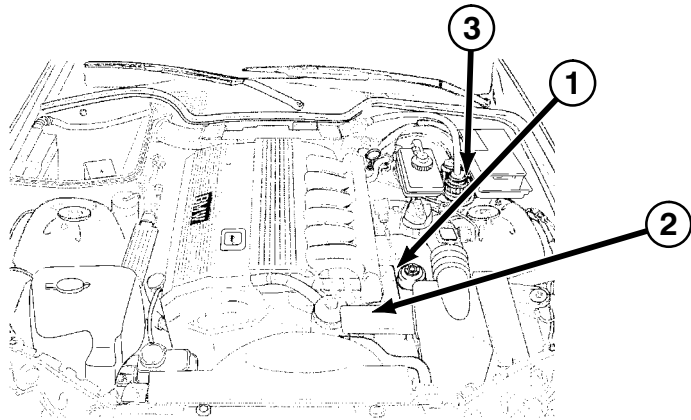
X6120

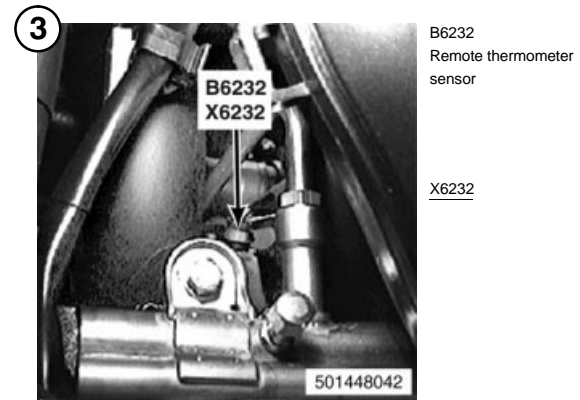
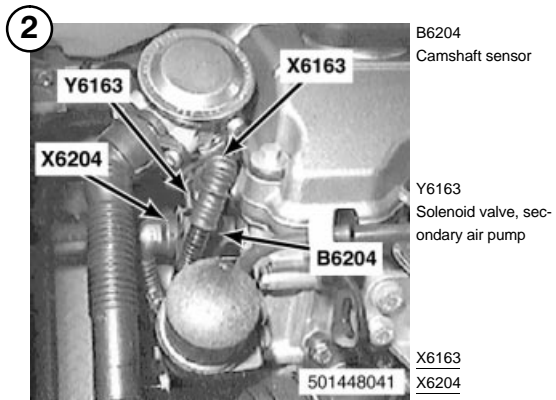
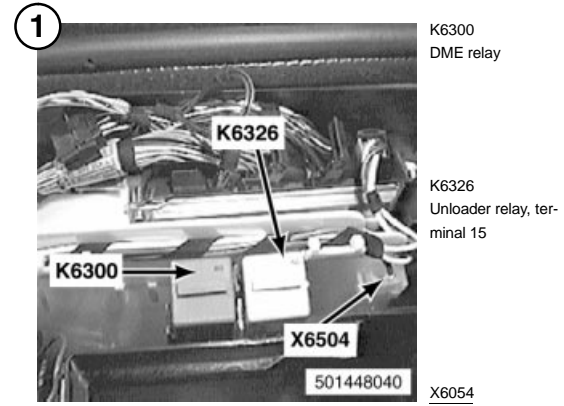
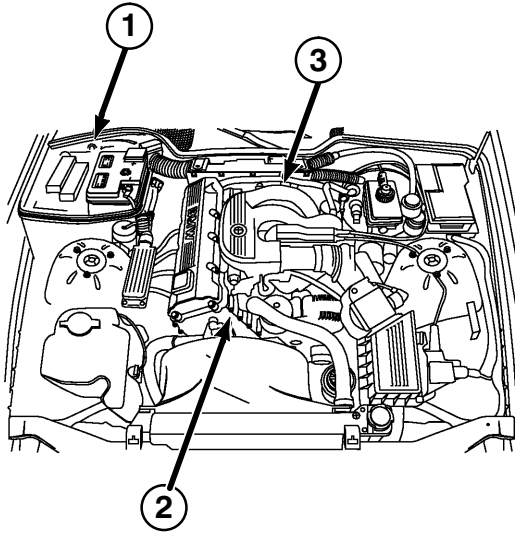
X6231

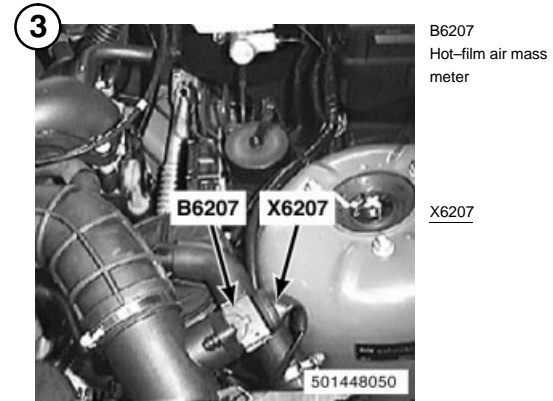
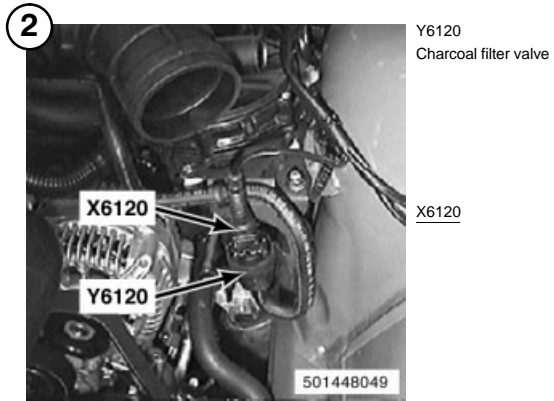
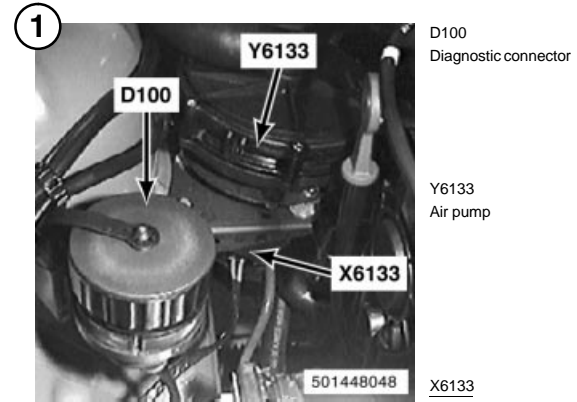
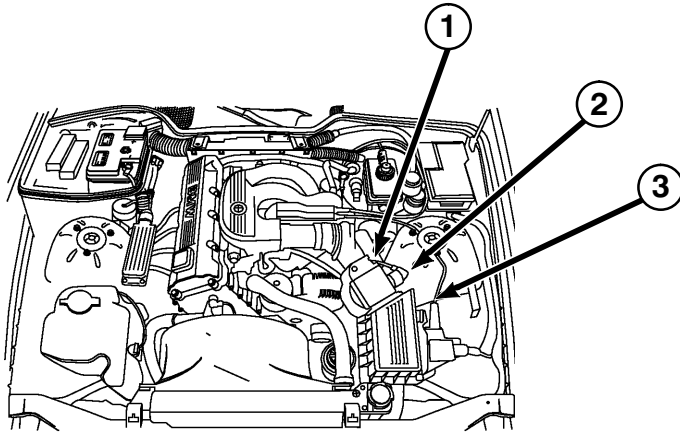
X6238

B6238
Oil temperature sensor

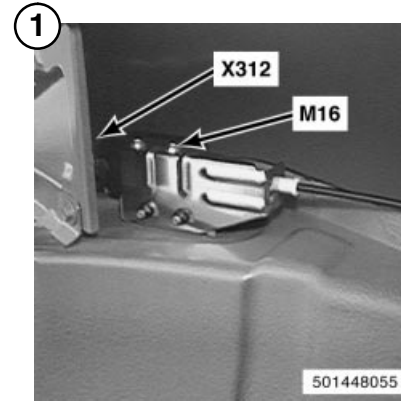
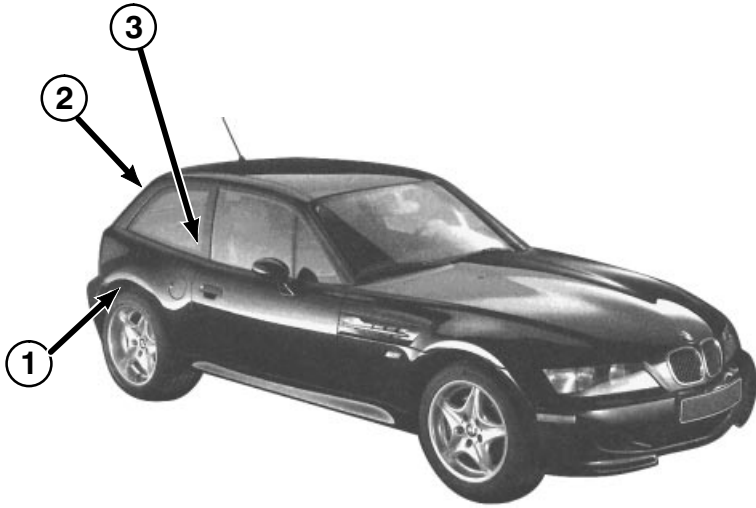
Y6120
Charcoal filter valve





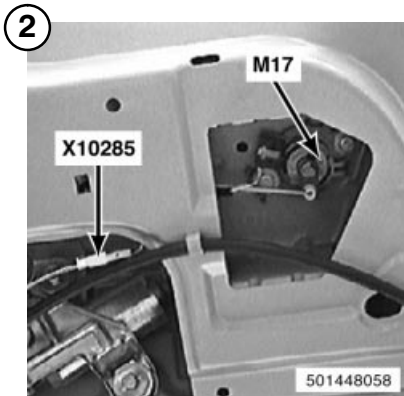


Component location views



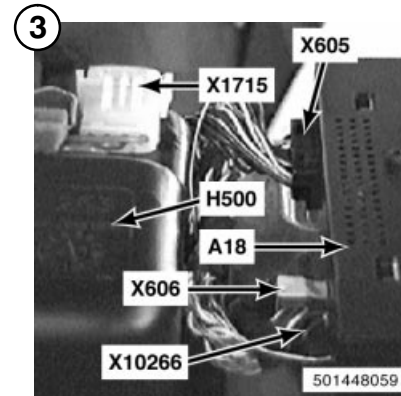
M16
ZV drive tank flap

X312



M17
Central locking drive
rear lid

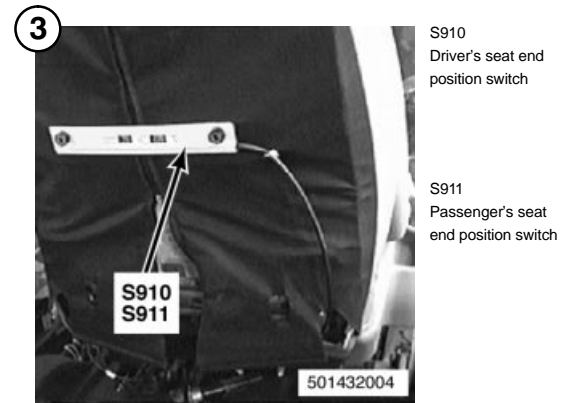
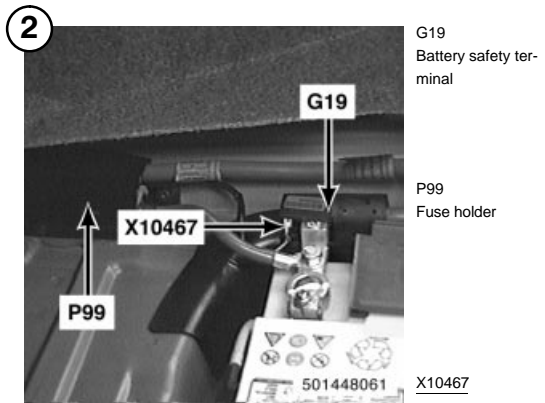
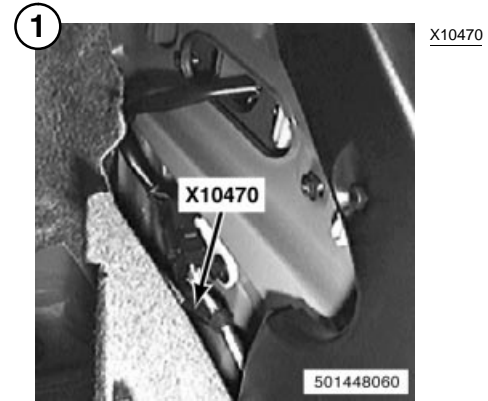
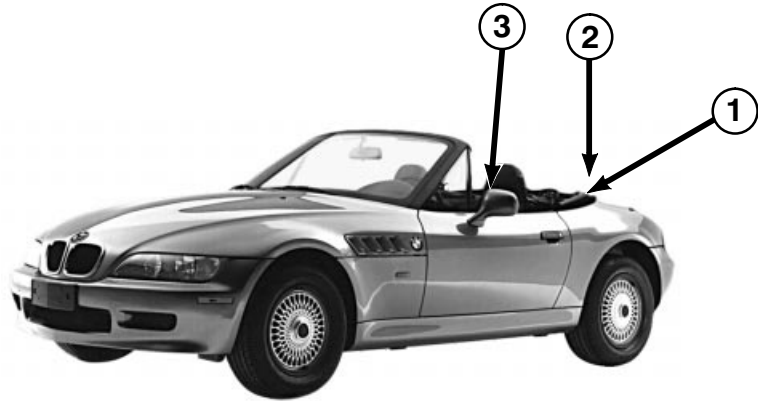
X10285



A18
Hifi amplifier

H500
Rear woofer

X605
X606
X1715
X10266





8000.0 Connector location views (soldering spots and comb-type connectors)

Z3

Solder connector	Wire harness	Side
X181–X185	Body	8000.0-03
X188	Body	8000.0-04
X189	IHKS/HR	No Fig.
X191	Body	8000.0-04
X196–X197	Body	8000.0-04
X203	Body	8000.0-03
X213	Body	8000.0-04
X216–X223	Body	8000.0-03
X245–X246	Body	8000.0-03
X276	Body	8000.0-03
X443	Body	8000.0-04
X445	Body	8000.0-03
X449	Body	8000.0-04
X453–X465	Body	8000.0-04
X450	Body	8000.0-03
X470	Body	8000.0-03
X530	Body	8000.0-03
X595	Body	8000.0-03
X697	Body	8000.0-03
X704	Telephone	No Fig.
X805	Body	8000.0-04
X806	Body	8000.0-03
X814–X818	IHKS/HR	No Fig.

Solder connector	Wire harness	Side
X824–X830	Radio/Hifi/CD	No Fig.
X849–X851	Driver's door	8000.0-04
X876–X877	Radio/Hifi/CD	No Fig.
X878	Body	8000.0-03
X888	Body	8000.0-03
X906	IHKS/HR	No Fig.
X942	Passenger's door	8000.0-04
X985	IHKS/HR	No Fig.
X1015–X1019	Body	8000.0-03
X1022–X1027	Body	8000.0-03
X1028–X1029	Body	8000.0-04
X1036–X1047	Body	8000.0-03
X1055	Body	8000.0-04
X1066–X1076	Body	8000.0-03
X1079	Body	8000.0-04
X1091	Heated spray nozzles	No Fig.
X1100–X1123	Body	8000.0-03
X1152–X1164	Body	8000.0-03
X1168–X1169	Body	8000.0-03
X1182	Body	8000.0-04
X1186	Body	8000.0-03
X1214–X1215	Body	8000.0-03
X1225	Body	8000.0-04



Z3

Connector location views (soldering spots and comb-type connectors)

Solder connector	Wire harness	Side
X1234–X1235	Body	8000.0-04
X1236	Body	8000.0-03
X1258	Body	8000.0-03
X1264	Body	8000.0-03
X1280	Body	8000.0-03
X1483	Telephone	No Fig.
X1610	Body	8000.0-03
X1617–X1618	Body	8000.0-04
X1620	Body	8000.0-03
X1682	Body	8000.0-03
X1744–X1745	Telephone	No Fig.
X1893–X1894	Body	8000.0-03
X4547–X4553	Telephone	No Fig.
X5010–X5011	MSS50 engine	8000.0-06
X5254	MSS50 engine	8000.0-06
X6410–X6493	MSS50 engine	8000.0-06
X6458	M52 engine	8000.0-07
X6460	M43 engine	8000.0-05
X6810–X6866	MSS50 engine	8000.0-06
X6820–X6833	M43 engine	8000.0-05
X6836	M52 engine	8000.0-07
X6900–X6965	M52 engine	8000.0-07
X6901–X6956	MSS50 engine	8000.0-06

Solder connector	Wire harness	Side
X6949	Body	8000.0-03
X6968–X6969	M52 engine	8000.0-07
X8004–80074	MSS50 engine	8000.0-06
X8073	M52 engine	8000.0-07
X8564–X8565	M52 engine	8000.0-07
X9454	Body	8000.0-03
X10008	Body	8000.0-03
X10009	Body (M43, M52)	8000.0-03
X10009	Body (S50)	8000.0-04
X10014–X10027	Body	8000.0-03
X10064	Body	8000.0-04
X10169	M44 engine	8000.0-06
X10189	Body	8000.0-03
X10237	Body	8000.0-04
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
X13281	Body	8000.0-03



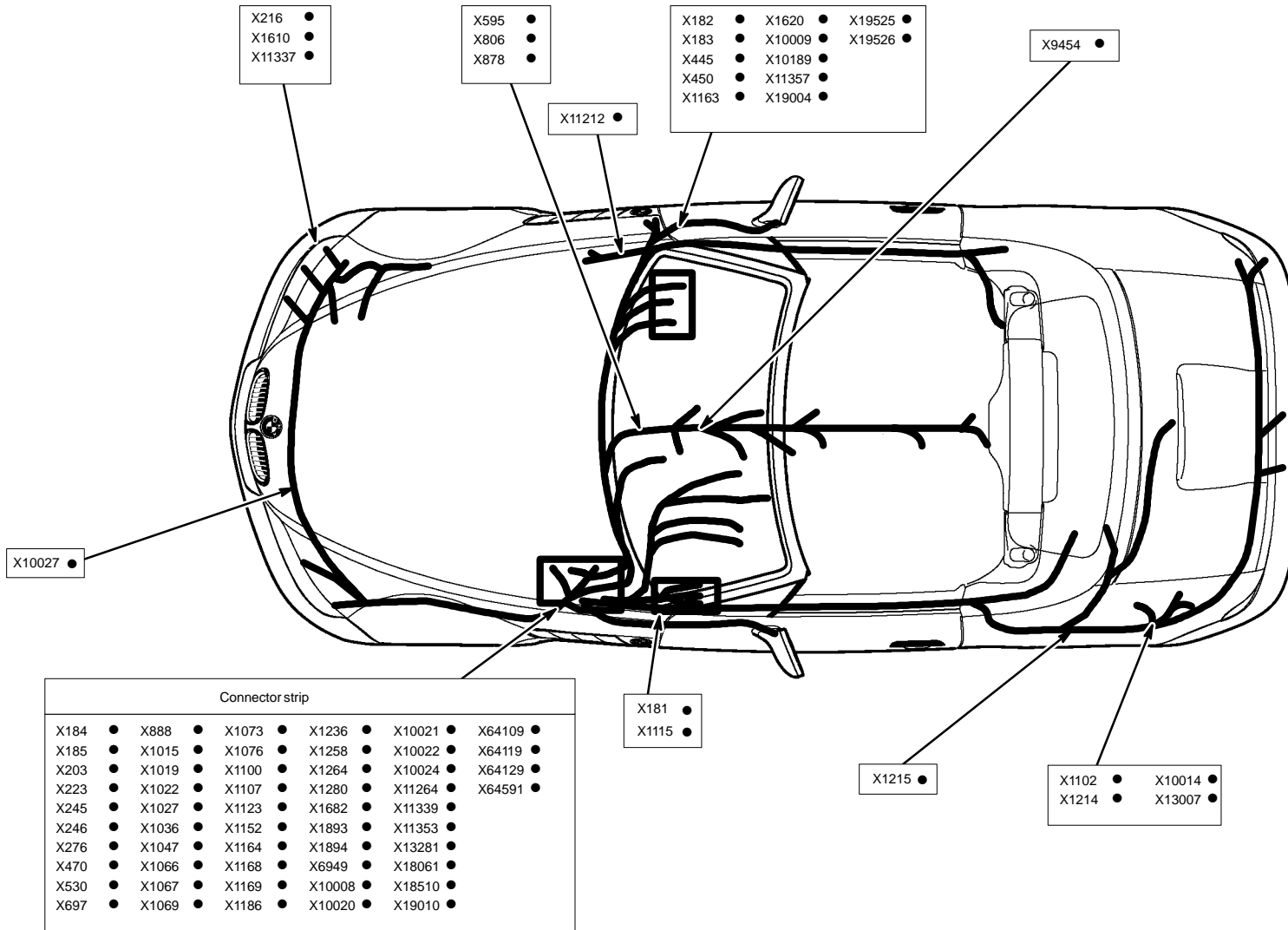
Z3

Connector location views (soldering spots and comb-type connectors)

Solder connector	Wire harness	Side
X13921	Auxiliary instruments	No Fig.
X18061	Body	8000.0-03
X18510	Body	8000.0-03
X18764–X18765	Telephone	No Fig.
X19010	Body	8000.0-03
X19513	Radio/Hifi/CD	No Fig.
X19525–X19526	Body	8000.0-03
X64109	Body	8000.0-03
X64119	Body	8000.0-03
X64129	Body	8000.0-03
X64591	Body (S50)	8000.0-04
X64591	Body (M43, M52)	8000.0-03
X68309	IHKS/HR	No Fig.
X69001–X69011	MSS50 engine	8000.0-08
X91186	Auxiliary instruments	No Fig.
X91235–X96491	Telephone	No Fig.

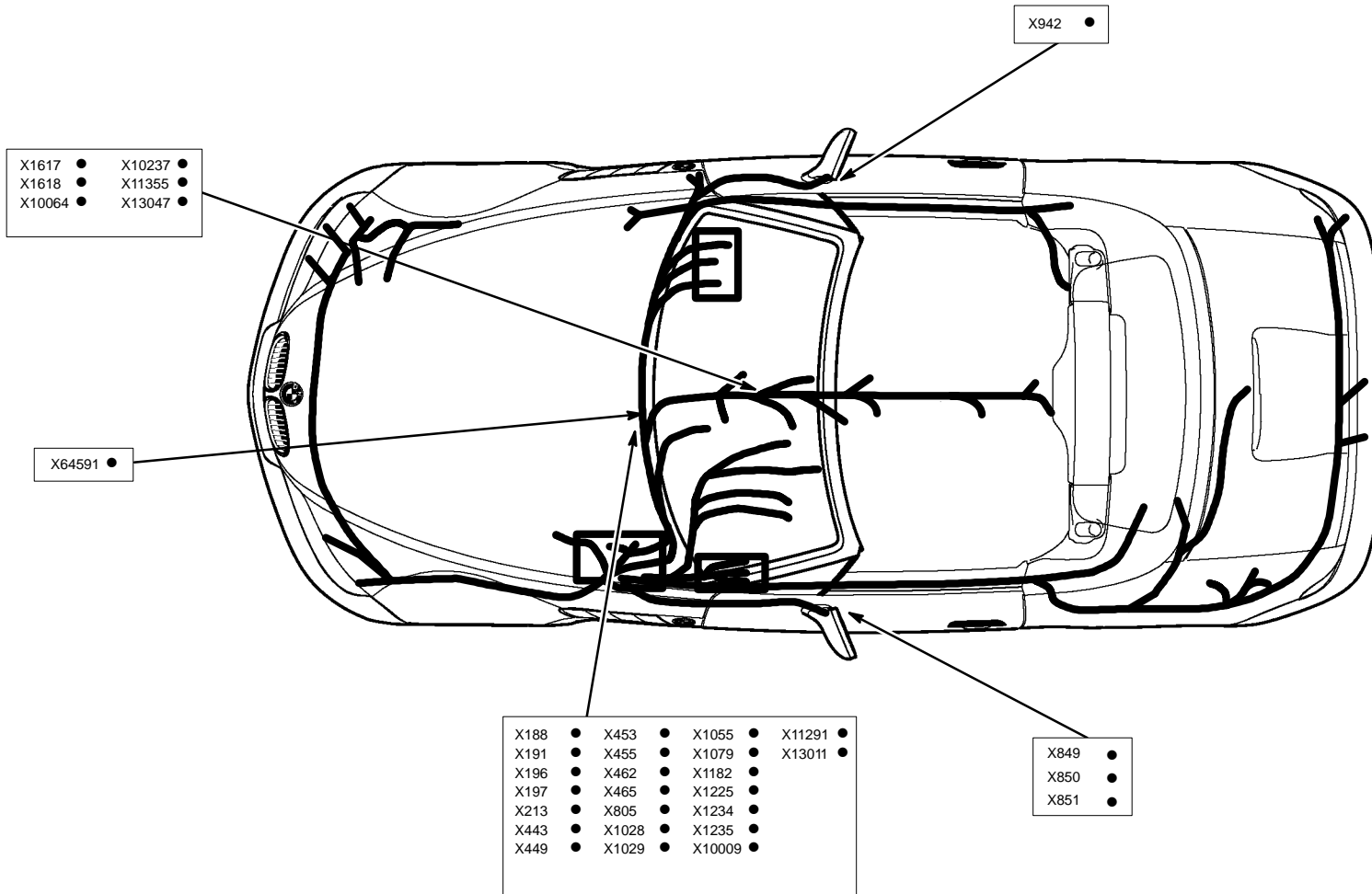
Connector location views (soldering spots and comb-type connectors)

Body wire harness (partially)



Connector location views (soldering spots and comb-type connectors)

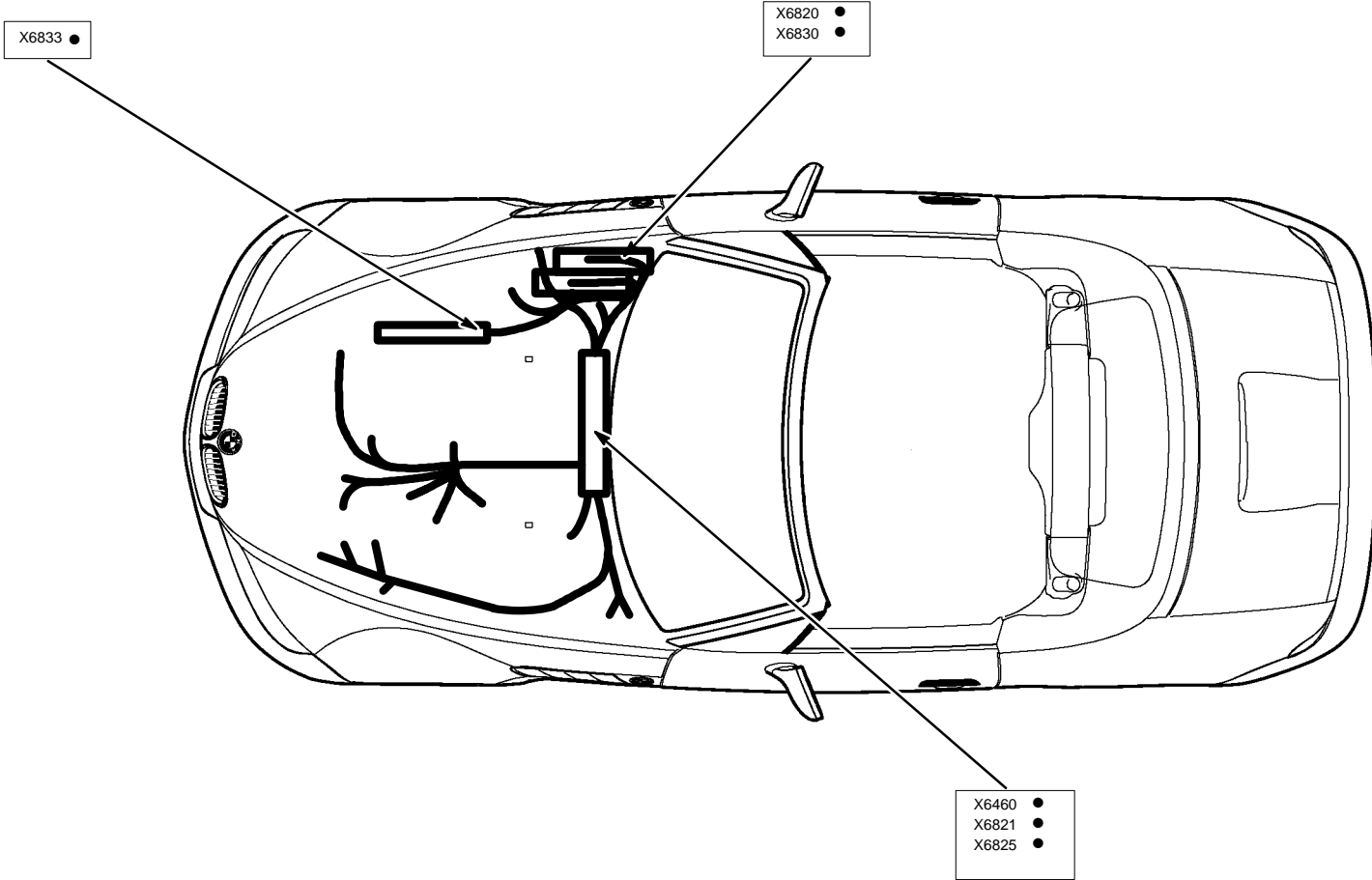
Body wire harness (partially)





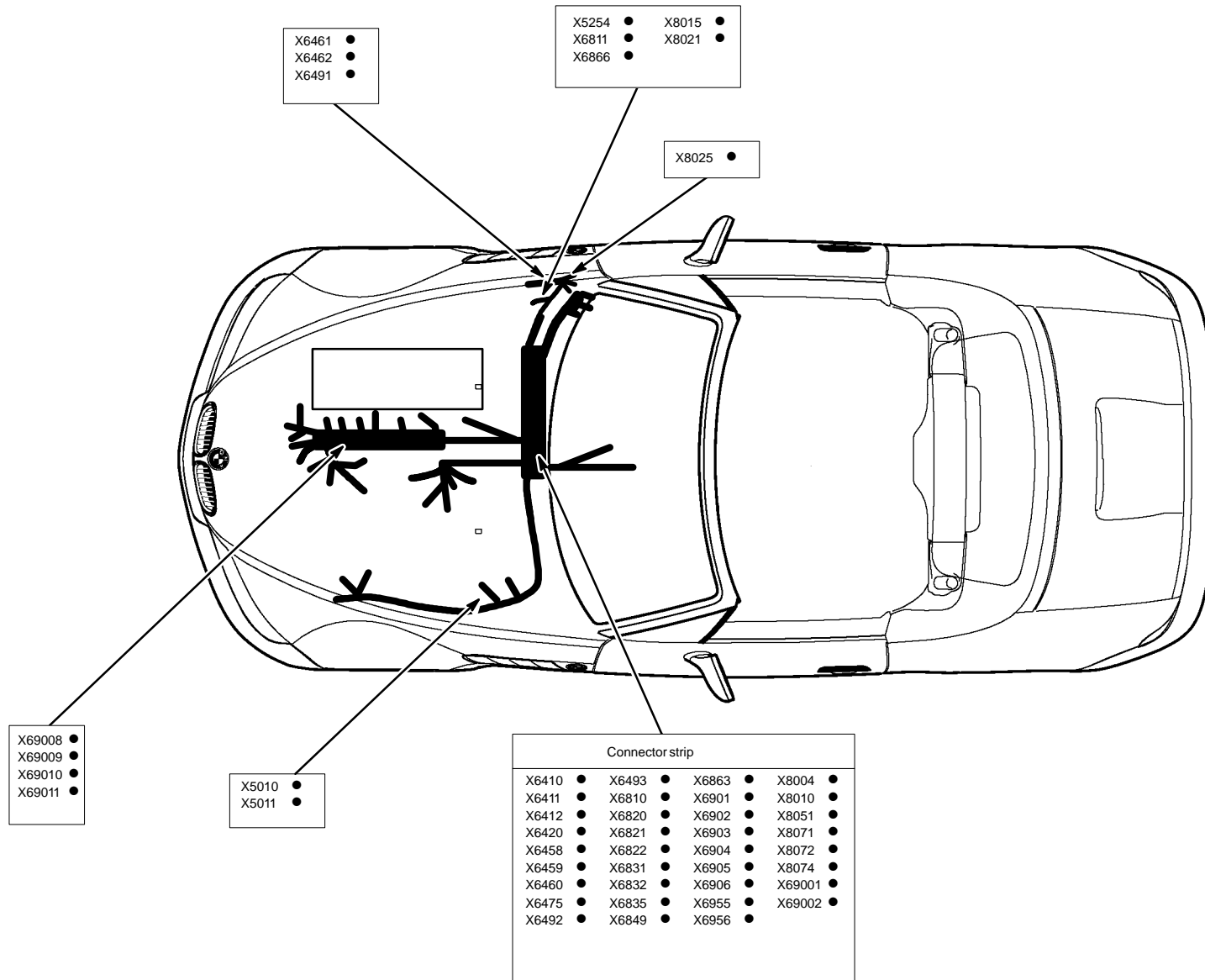
Connector location views (soldering spots and comb-type connectors)

Engine wire harness M43



Connector location views (soldering spots and comb-type connectors)

Engine wire harness MSS50





Connector location views (soldering spots and comb-type connectors)

Engine harness M52

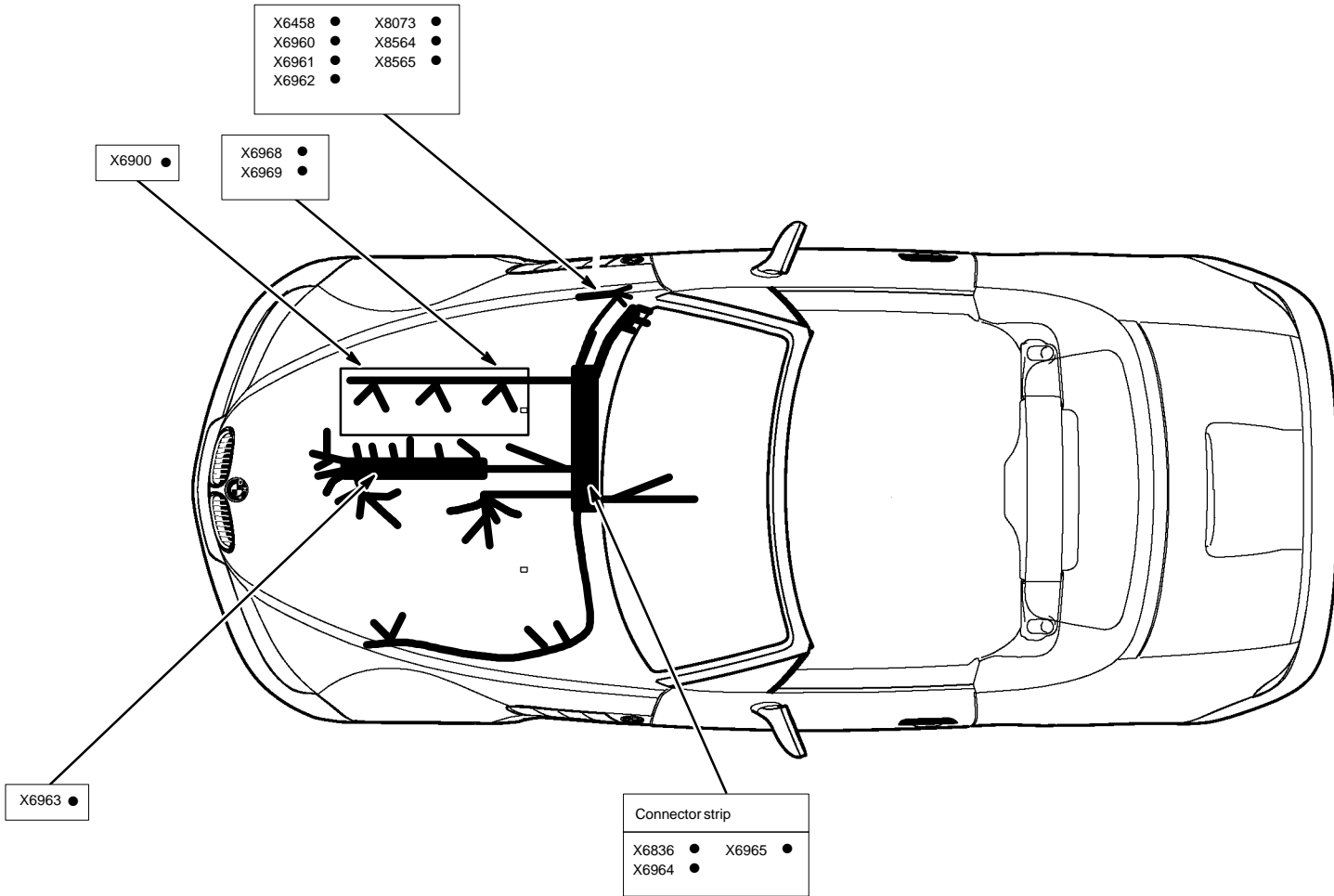


Fig. 1

B880001.00

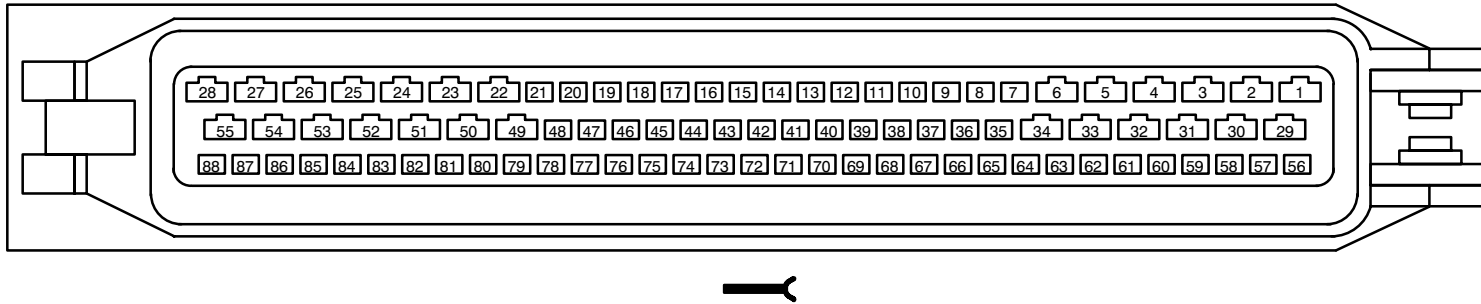


Fig. 2

B070013.00

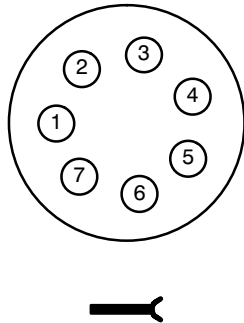
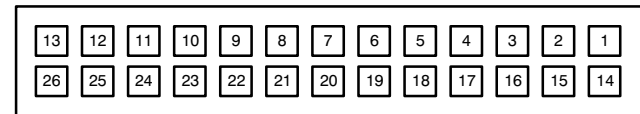


Fig. 3

B260005.00





Z3

Connector views

Fig. 1

B030024

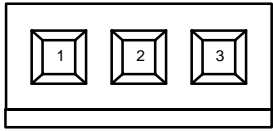


Fig. 2

B300005.00

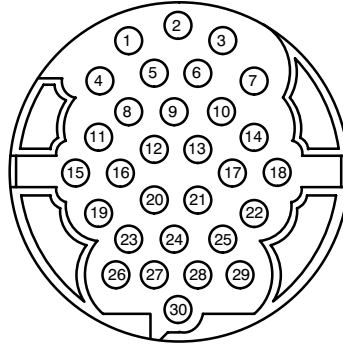


Fig. 3

B120001.00

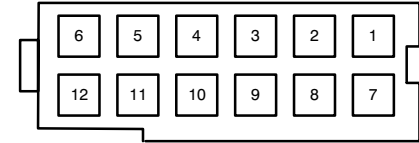


Fig. 4

B030036.01

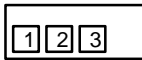


Fig. 5

B120002.02

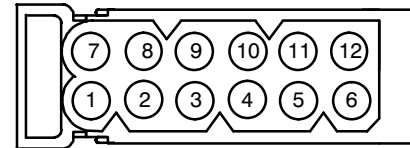


Fig. 1

B080002.00

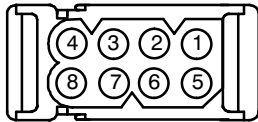


Fig. 2

B170001.00

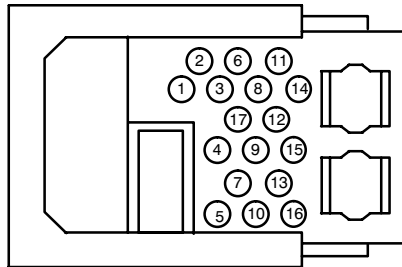


Fig. 3

B100008.00

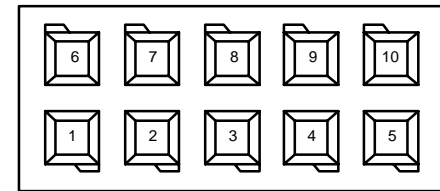


Fig. 4

B120004.01

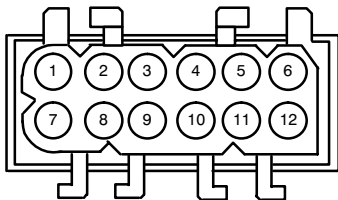


Fig. 5

B030004.01

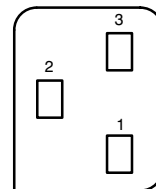


Fig. 6

B050003.00

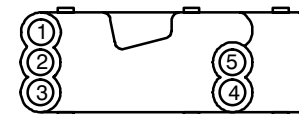


Fig. 1

B040004.00

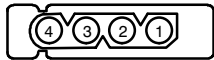


Fig. 2

B040018

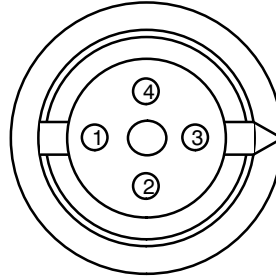


Fig. 3

B080001.00

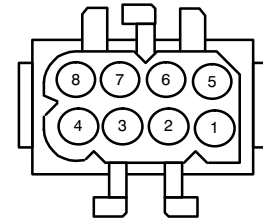


Fig. 4

B090002.00

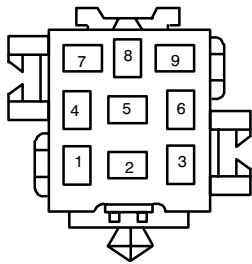


Fig. 5

B260002.01

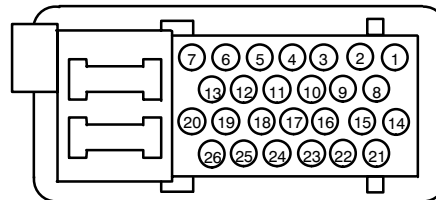


Fig. 6

B060001.02

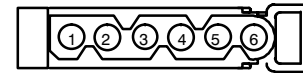


Fig. 1

B200003.00

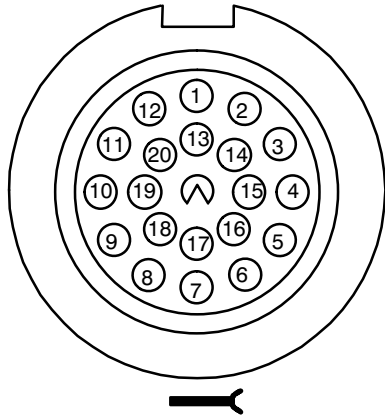


Fig. 2

B070005.00

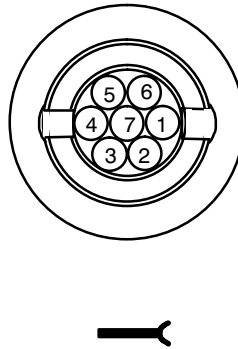


Fig. 3

B030003.00

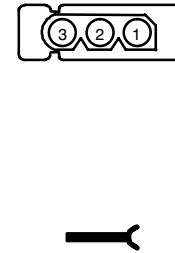


Fig. 4

B250001.02

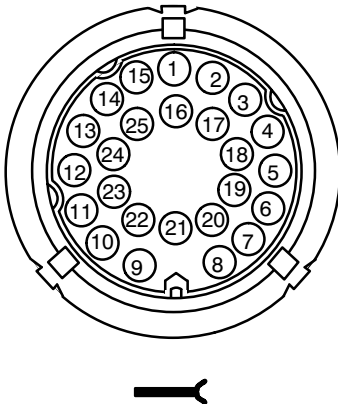


Fig. 5

B060019.03

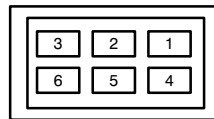
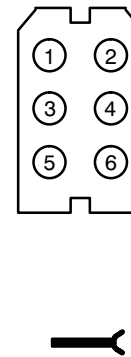


Fig. 6

B060045.00



Connector views

Fig. 1

B150002.00

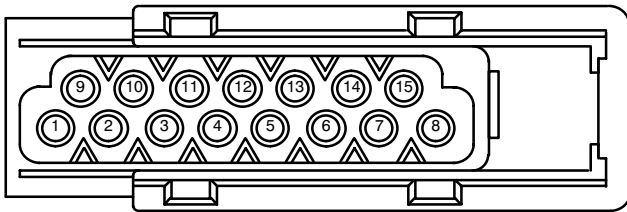


Fig. 2

B030034.00

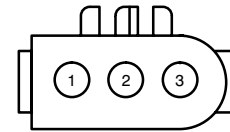


Fig. 3

B060038.00

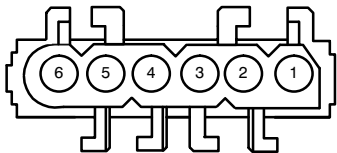


Fig. 4

B040027.00

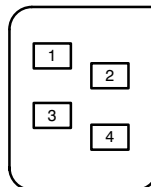


Fig. 5

B030006.00

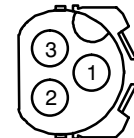


Fig. 1

B0400028.00

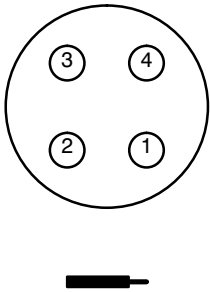


Fig. 2

B050005.00

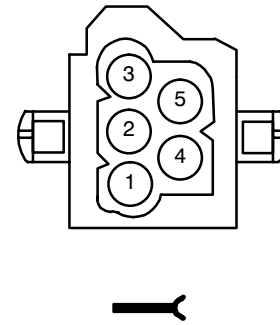


Fig. 3

B0300044.00

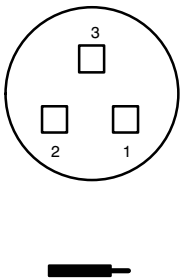


Fig. 4

B0300011.00

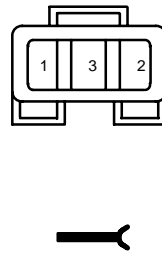


Fig. 5

B060041.00

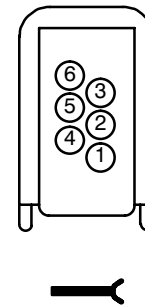


Fig. 1

B040026

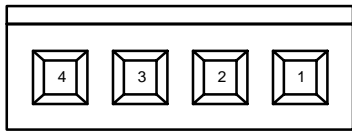


Fig. 2

B120006.00

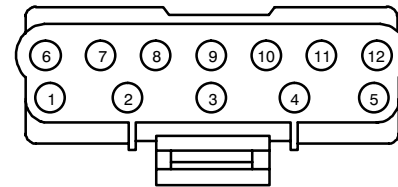


Fig. 3

B040003.00

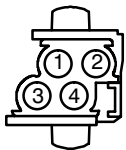


Fig. 4

B060037.00

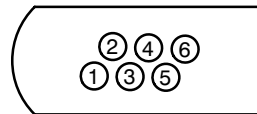


Fig. 5

B030042.00

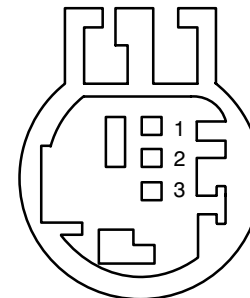


Fig. 1

B030009.00

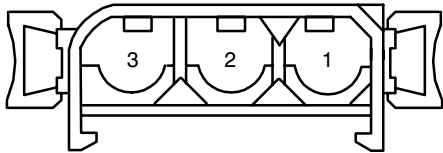


Fig. 2

B060013.00

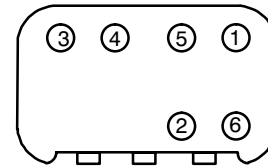


Fig. 3

B080013.00

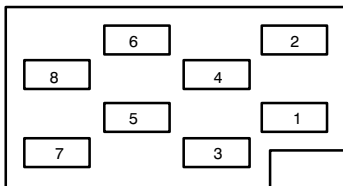
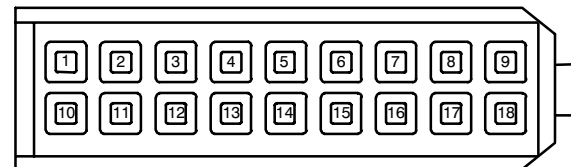


Fig. 4

B180000.00



Connector views

Fig. 1

B160001.00

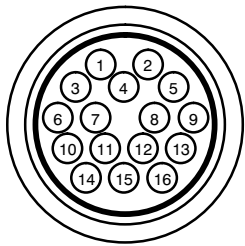


Fig. 2

B060043.00

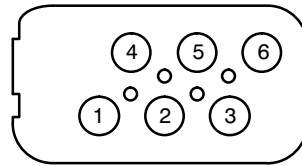


Fig. 3

B070012.00

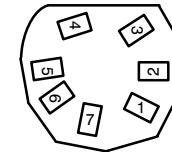


Fig. 4

B420000.00

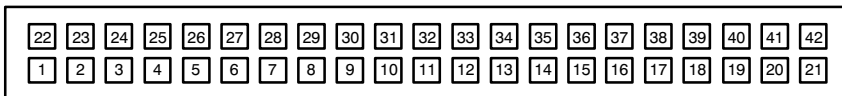


Fig. 5

B030015.08

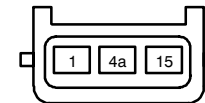


Fig. 1

B100001.00

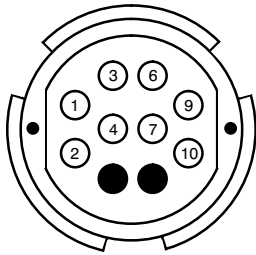


Fig. 2

B030018.02

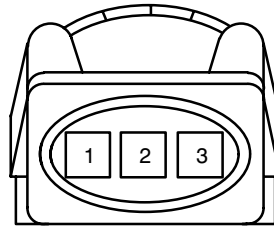


Fig. 3

B040023.02

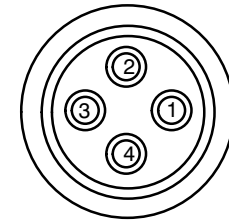


Fig. 4

B040023.01

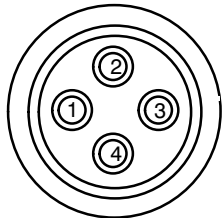


Fig. 5

B100012.00

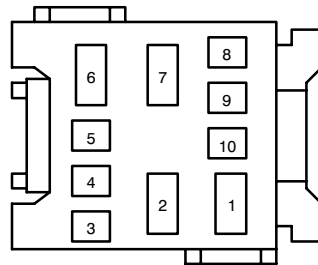
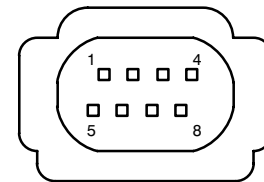


Fig. 6

B080020.00



Connector views

Fig. 1

B040029.00

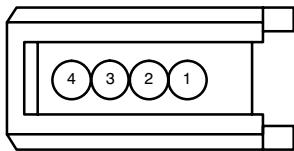


Fig. 2

B550002.00

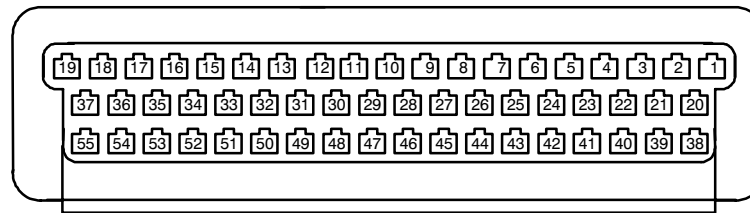


Fig. 3

B500000.00

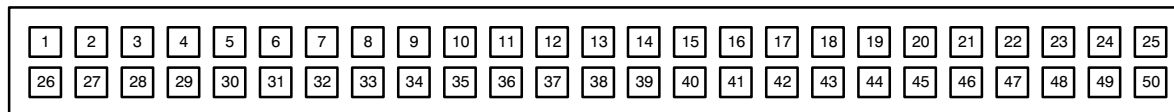


Fig. 1

B030023.00

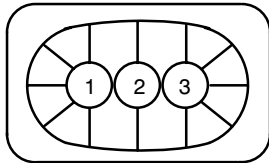


Fig. 2

B120015

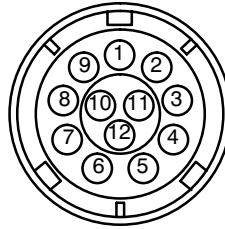


Fig. 3

B040030.00

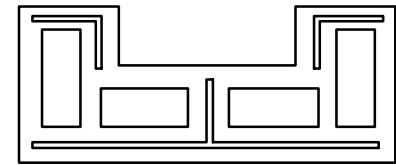


Fig. 4

B030046.00

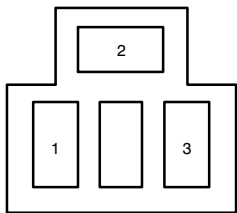


Fig. 5

B100004.02

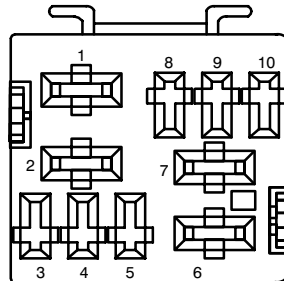


Fig. 6

B030022.00

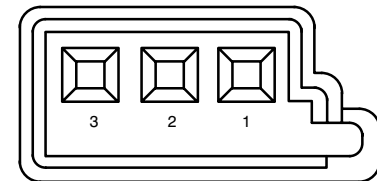


Fig. 1

B030048a

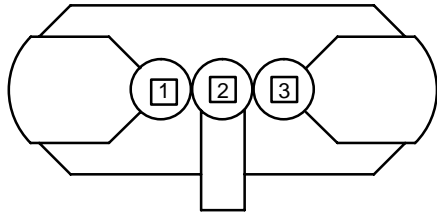


Fig. 2

B250004.00

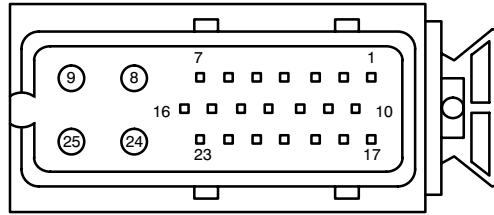


Fig. 3

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. 4

B240002.00

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. 5

B090008.00

9	8	7
6	5	4
3	2	1



Fig. 6

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
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Fig. 1

B160004.00

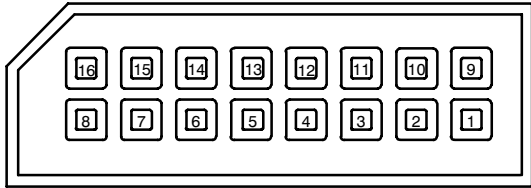


Fig. 2

B030049.00

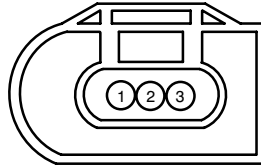


Fig. 3

B030029.00

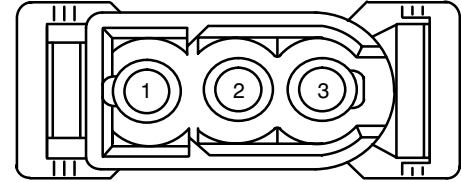


Fig. 4

B050015.00

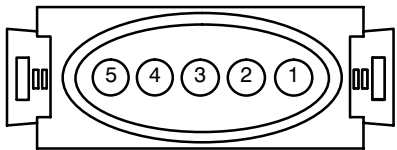


Fig. 5

B030050.00

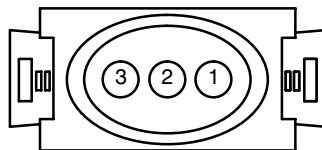


Fig. 6

B100014.00

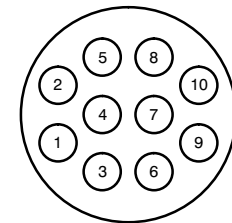


Fig. 1

B250003.00

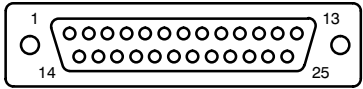


Fig. 2

B060042

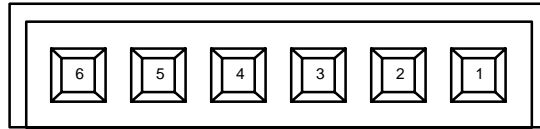


Fig. 3

B060036.00

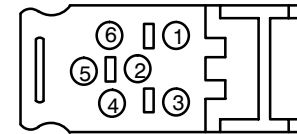


Fig. 4

B420001.00

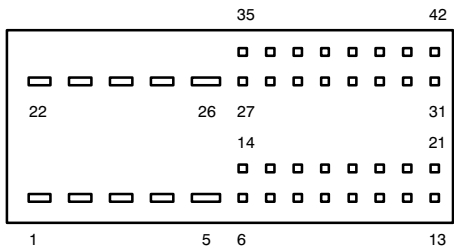


Fig. 5

B430000.00

