

1998

**BMW
318ti
(E36/5)**

Electrical

Troubleshooting

Manual

Vehicles produced 9/97 thru Present



ELECTRICAL TROUBLESHOOTING MANUAL

SERIES 3 – E36/5 (318ti)

SCHEMATICS

MODEL YEAR 1998

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

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

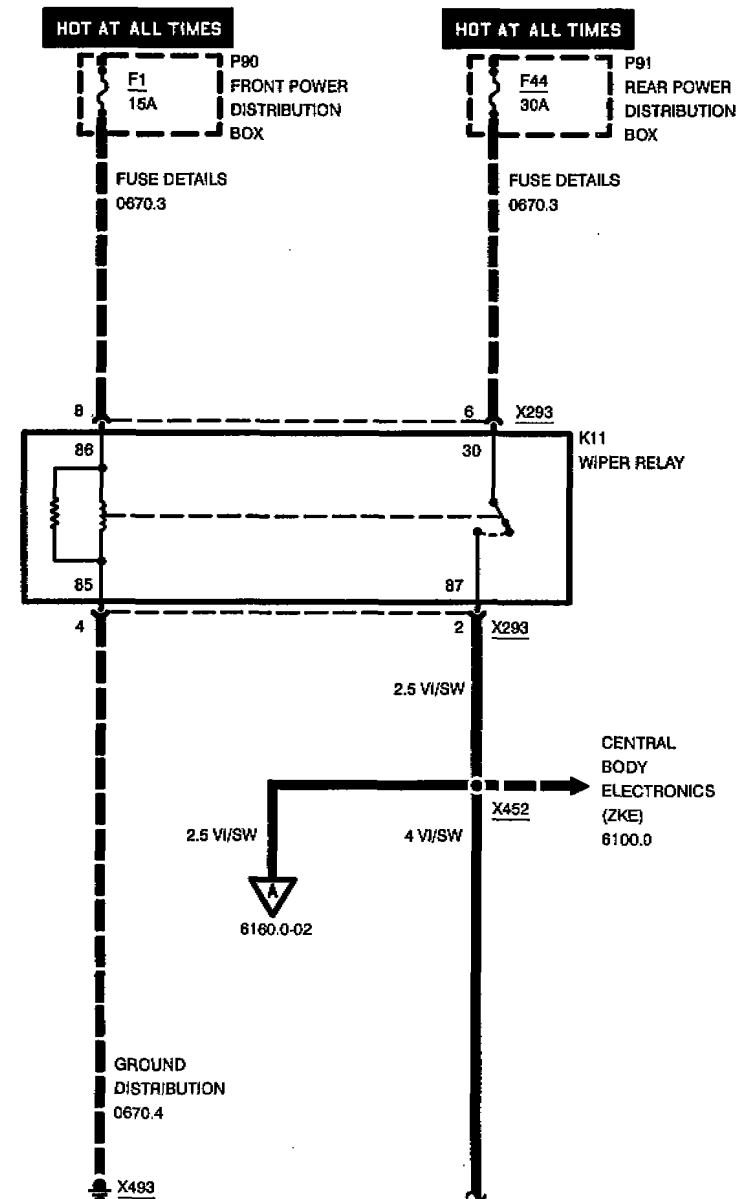
In cell **7000.0 Component Location Chart** all important connectors, ground points and components are listed in tabular form. It provides a precise description of the component locations in the vehicle.

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

Included in this ETM are foldout block diagrams. These are overviews of the entire system (EGS, ABS, AC, etc.) which helps understand the relationships between various components and control unit of the system being diagnosed.

Example

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





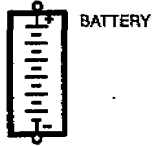
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INTRODUCTION

General Conventions

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

SYMBOLS



BATTERY



HEATING ELEMENT



VARIABLE RESISTANCE SENSOR
VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE



ANTENNA



FUSE DETAILS



LOUDSPEAKER OR HORN



VARIABLE RESISTOR RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE



CONTROL/POWER ELECTRONICS



FUSIBLE LINK



LIGHT



DIODE CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW



HALL EFFECT SENSOR



RADIO



CIRCUIT BREAKER



PERMANENT MAGNET MOTOR ONE SPEED



ZENER DIODE TO REGULATE VOLTAGE



TRANSISTORIZED SWITCH

31



THERMO SWITCH



PERMANENT MAGNET MOTOR TWO SPEEDS



LIGHT EMITTING DIODE



INDUCTIVE SENSOR



SOLENOID



KNOCK SENSOR



OXYGEN SENSOR



VEHICLE SPEED SENSOR

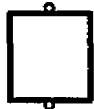
SYMBOLS



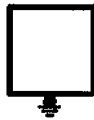
ENTIRE COM-
PONENT SHOWN



PART OF COM-
PONENT SHOWN



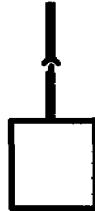
COMPONENT WITH
SCREW TERM-
INALS



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



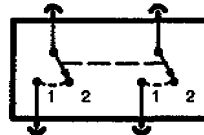
CONNECTOR
ATTACHED TO
COMPONENT



CONNECTOR
ATTACHED TO
COMPONENT
LEAD (PIGTAIL)

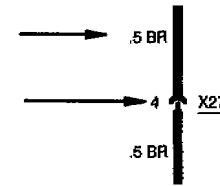


ONE POLE, TWO
POSITION SWITCH

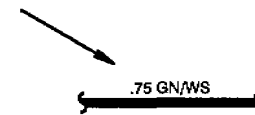


SWITCHES THAT
MOVE TOGETHER
DASHED LINE
SHOWS A
MECHANICAL
CONNECTION
BETWEEN
SWITCHES

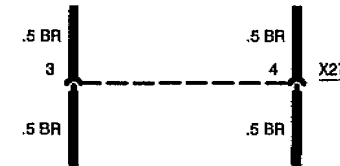
WIRE COLOR	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE
TR	TRANSPARENT



CONNECTOR REF-
ERENCE NUMBER
FOR COMPONENT
LOCATION CHART



A WAVY LINE
MEANS WIRE IS
CONTINUED



TWO CONNE-
CTIONS (PINS) IN
THE SAME
CONNECTOR

DASHED LINE INDI-
CATES TERMINALS
OF THE SAME
CONNECTOR

WIRE SIZE IN MM
SQUARED



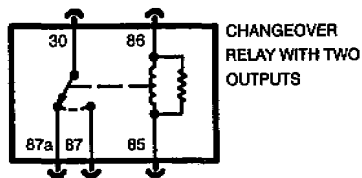
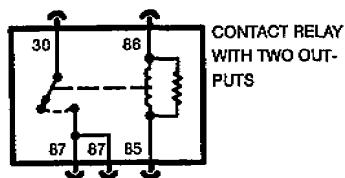
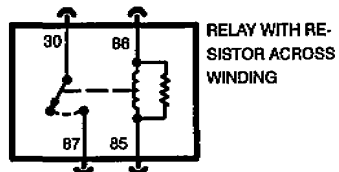
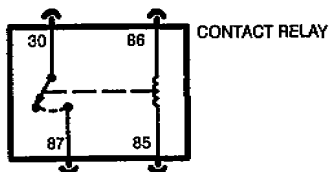
WIRE ATTACHED
TO METAL PART OF
CAR (GROUNDED)

GROUND NUM-
BERED FOR REF-
ERENCE ON COM-
PONENT LOCA-
TION CHART

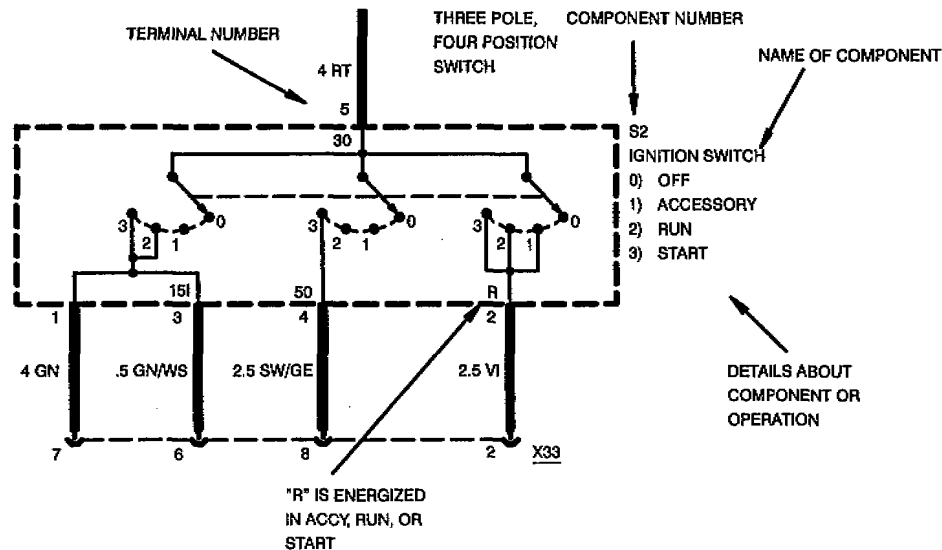


SYMBOLS

compact

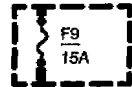


TERMINAL NUMBER	DESCRIPTION
30	RELAY INPUT
85	RELAY OUTPUT (WINDING)
86	RELAY INPUT (WINDING)
87	RELAY OUTPUT (ENERGIZED)
87a	RELAY OUTPUT (AT REST)



TERMINAL NUMBER	DESCRIPTION	TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START	151	VOLTAGE: IGNITION SWITCH IN RUN
30	VOLTAGE: SUPPLIED AT ALL TIMES	R	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START
15	VOLTAGE: IGNITION SWITCH IN RUN OR START	31	GROUND

HOT AT ALL TIMES



INDICATES THAT FUSE 9 IS SUPPLIED WITH POWER AT ALL TIMES

POWER STATUS

HOT AT ALL TIMES

HOT IN RUN AND START

HOT IN ACCY, RUN AND START

DESCRIPTION

VOLTAGE: SUPPLIED AT ALL TIMES

VOLTAGE: IGNITION SWITCH IN RUN OR START

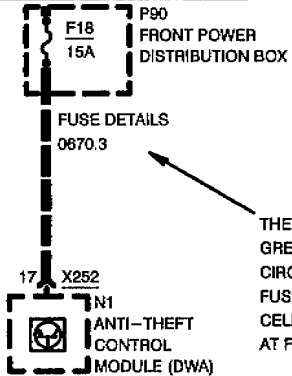
VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START



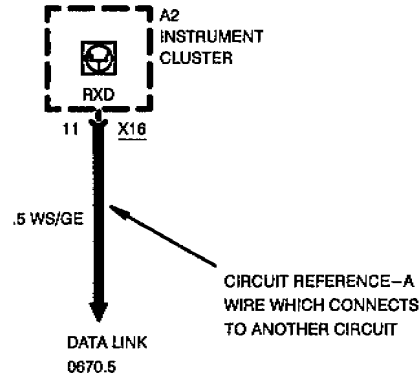
compact

SYMBOLS

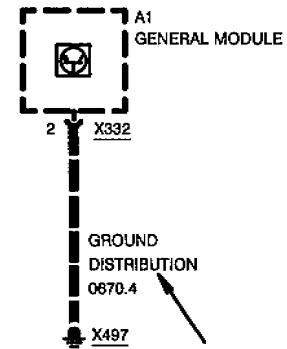
HOT IN ACCY, RUN AND START



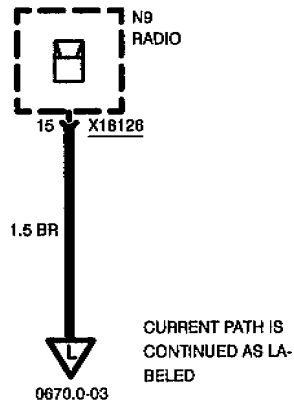
THE COMPLETE WIRE PROGRESSION AND FURTHER CIRCUITS CONNECTED TO FUSE 18 ARE SHOWN IN CELL "0670.3 FUSE DETAILS" AT FUSE 18



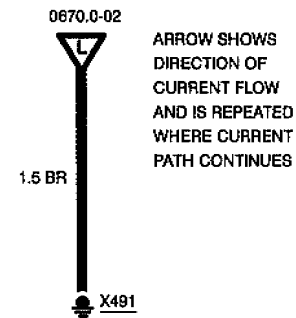
CIRCUIT REFERENCE—A WIRE WHICH CONNECTS TO ANOTHER CIRCUIT



THE COMPLETE WIRE PROGRESSION AND FURTHER CIRCUITS CONNECTED TO GROUND X497 ARE SHOWN IN CELL "0670.4 GROUND DISTRIBUTION" AT GROUND X497



CURRENT PATH IS CONTINUED AS LABELED



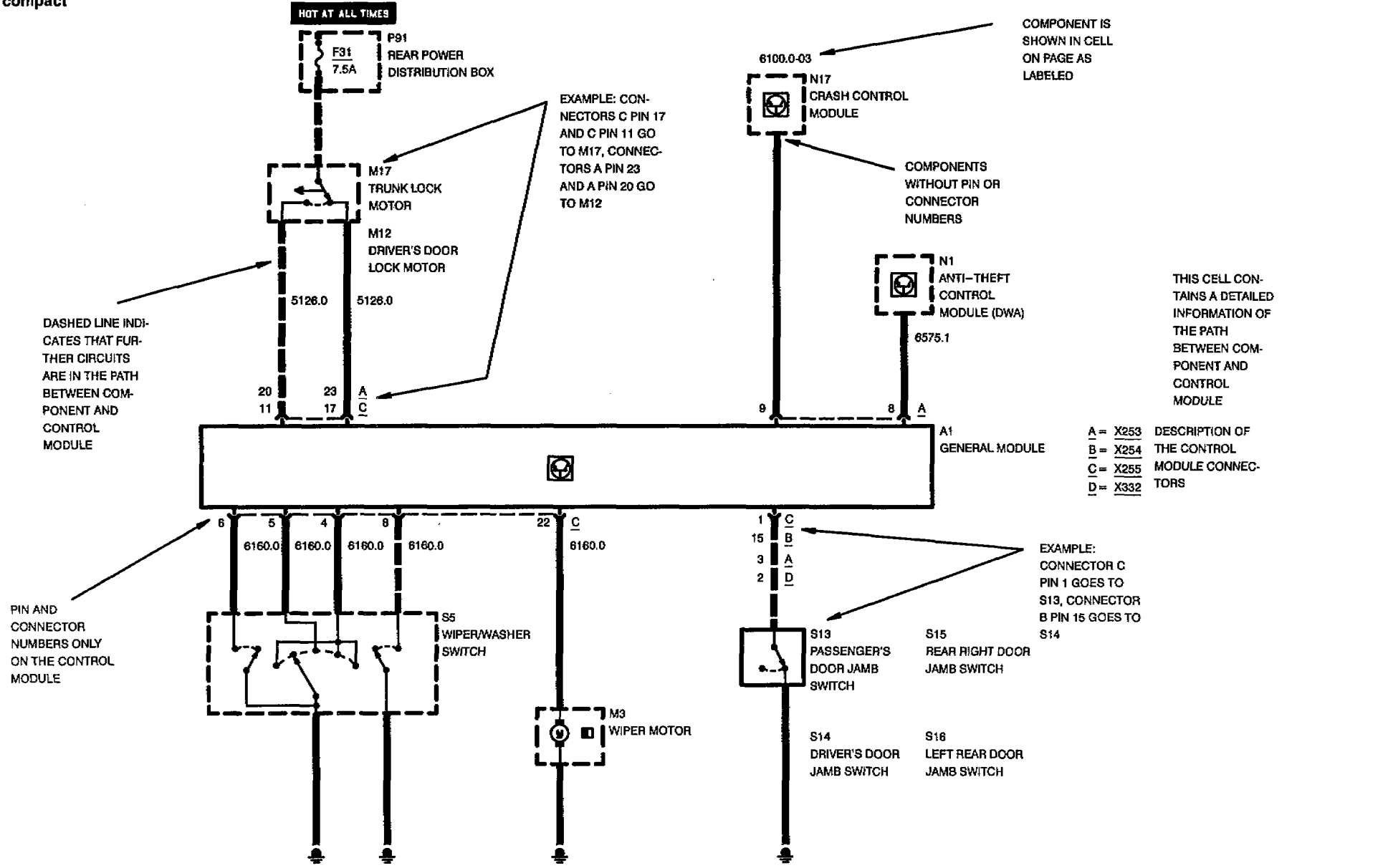
ARROW SHOWS DIRECTION OF CURRENT FLOW AND IS REPEATED WHERE CURRENT PATH CONTINUES



SYMBOLS

BLOCK DIAGRAM

compact



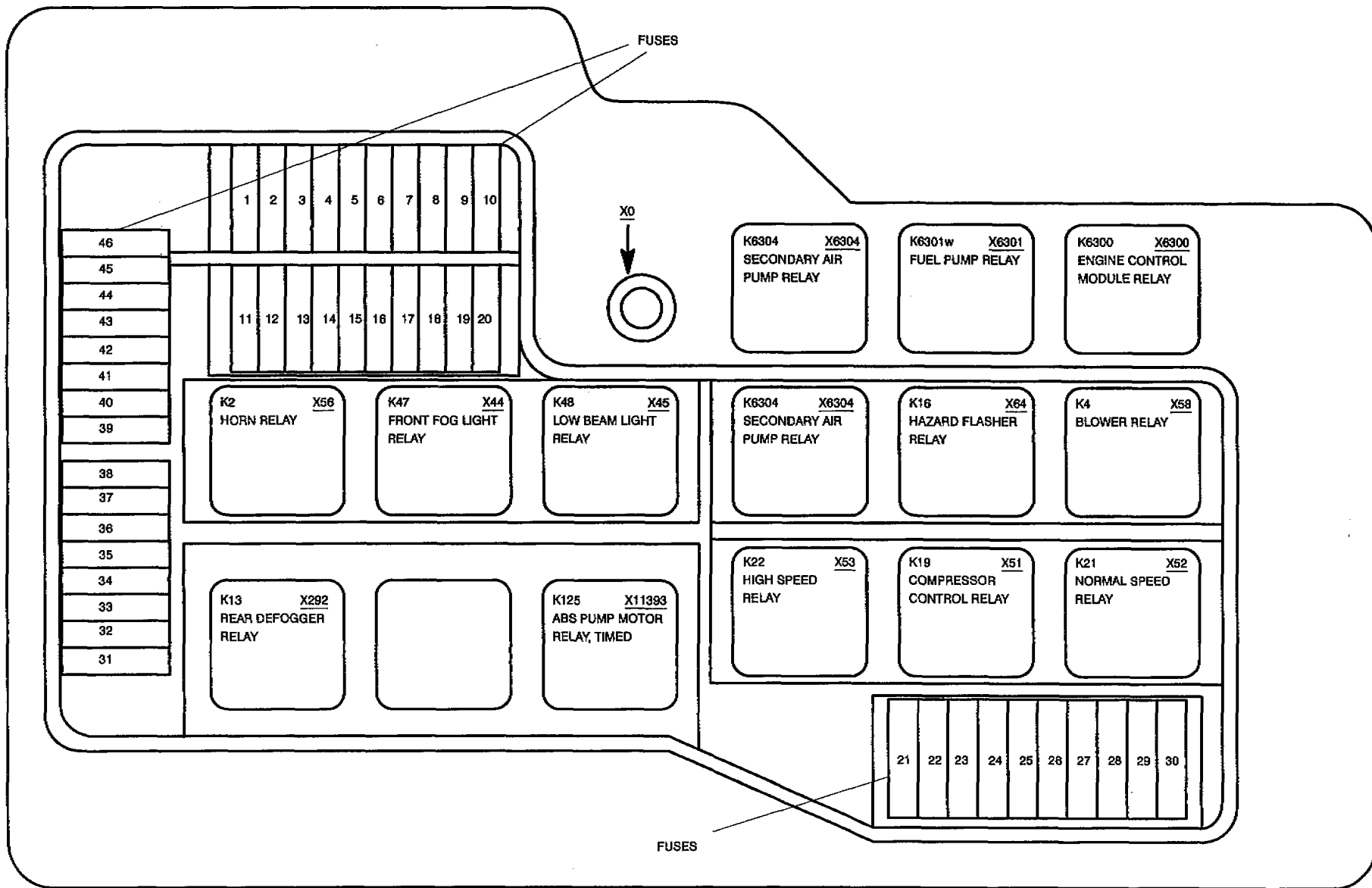


0670.0



POWER DISTRIBUTION CHART

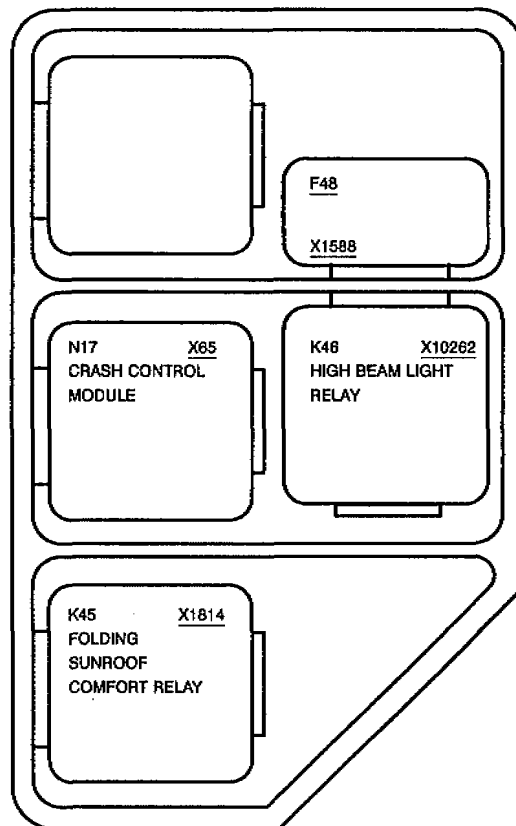
FRONT POWER DISTRIBUTION BOX





POWER DISTRIBUTION CHART

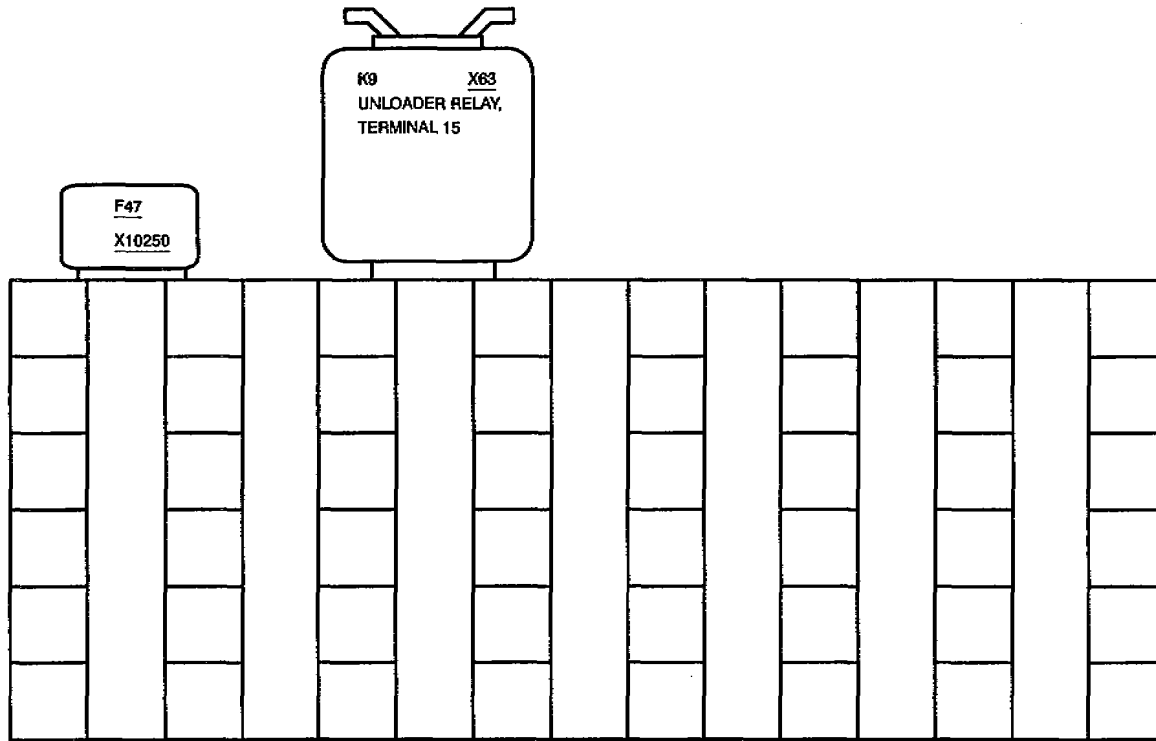
RELAY PANEL UNDER LH SIDE OF DASHBOARD





POWER DISTRIBUTION CHART

SPLICE PANEL UNDER LH SIDE OF DASHBOARD





0670.1



FUSE CHART

FUSES 1 TO 29

	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	5A	30A	15A	30A	30A	5A	15A	20A	30A	7.5A	7.5A		30A	15A	5A		15A		30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
1210.20 ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)		●														●		●											
1230.0 CHARGING SYSTEM																													
1240.0 START																													●
2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																										●	●	●	
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																												●	
3450.0 SLIP CONTROL (ABS)										●											●						●	●	
3450.1 SLIP CONTROL (ABS/ASC)										●											●						●	●	
5116.0 POWER MIRRORS																									●				
5126.0 ZKE CENTRAL LOCKING (ZV)							●																					●	
5133.0 ZKE POWER WINDOWS (FH)															●														
5200.0 POWER SEATS					●																								
5203.0 HEATED SEATS			●																			●							
5410.1 POWER SUN ROOF (SHD)	●																												
5410.4 ELECTRIC FOLDING SUNROOF	●																												
6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)							●							●															
6133.0 HORN								●																					
6135.0 DRIVE-AWAY PROTECTION (EWS II)																												●	
6160.1 WIPER/WASHER MODULE (WWM)			●																										
6169.0 WINDSHIELD WASHER JET HEATERS																								●					
6211.0 INSTRUMENT CLUSTER																							●				●		



FUSE CHART

FUSES 1 TO 29

compact

	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	5A	30A	15A	30A	30A	5A	15A	20A	30A	7.5A	7.5A		30A	15A	5A		15A		30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6213.0	CLOCK																												
6300.0	LIGHT SWITCH DETAILS																												
6312.0	HEADLIGHTS/FOG LIGHTS																												
6313.0	TURN/HAZARD LIGHTS																												
6314.0	PARK/TAIL/UNDERHOOD LIGHTS																												
6320.0	LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS																												
6322.0	BACK UP LIGHTS																												
6325.0	BRAKE LIGHTS																												
6330.3	INTERIOR LIGHTS																												
6332.0	INTERIOR ACCESSORIES																												
6350.0	CRASH CONTROL MODULE																												
6410.7	HEATING CONTROL (HS)																												
6424.0	REAR WINDOW DEFOGGER																												
6450.6	INTEGRATED HEATING- AND CLIMATE CONTROL																												
6510.0	RADIO/CD PLAYER (PROVISIONS)																												
6510.1	RADIO/HIFI																												
6561.0	CELLULAR TELEPHONE (PROVISIONS)																												
6571.0	CRUISE CONTROL (TEMPOMAT)																												
6575.2	ANTI-THEFT SYSTEM (ALPINE)																												
6581.3	BOARD COMPUTER (BC-LOW)																												



FUSE CHART

FUSES 30 TO 48

	FUSE NUMBER																		
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A		7.5A	5A	15A	7.5A	15A	15A	40A
1210.20 ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)																			
1230.0 CHARGING SYSTEM																			
1240.0 START		●														●			
2460.2 ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																	●		
3234.0 SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)													●						
3450.0 SLIP CONTROL (ABS)									●								●		
3450.1 SLIP CONTROL (ABS/ASC)									●								●		
5116.0 POWER MIRRORS																			
5126.0 ZKE CENTRAL LOCKING (ZV)		●				●										●			
5133.0 ZKE POWER WINDOWS (FH)																			
5200.0 POWER SEATS											●								
5203.0 HEATED SEATS																			
5410.1 POWER SUN ROOF (SHD)																			
5410.4 ELECTRIC FOLDING SUNROOF																			
6100.0 CENTRAL BODY ELECTRONICS (ZKE IV)				●		●								●					
6133.0 HORN																			
6135.0 DRIVE-AWAY PROTECTION (EWS II)		●														●			
6160.1 WIPER/WASHER MODULE (WWM)							●								●				
6169.0 WINDSHIELD WASHER JET HEATERS																			
6211.0 INSTRUMENT CLUSTER		●															●		



FUSE CHART

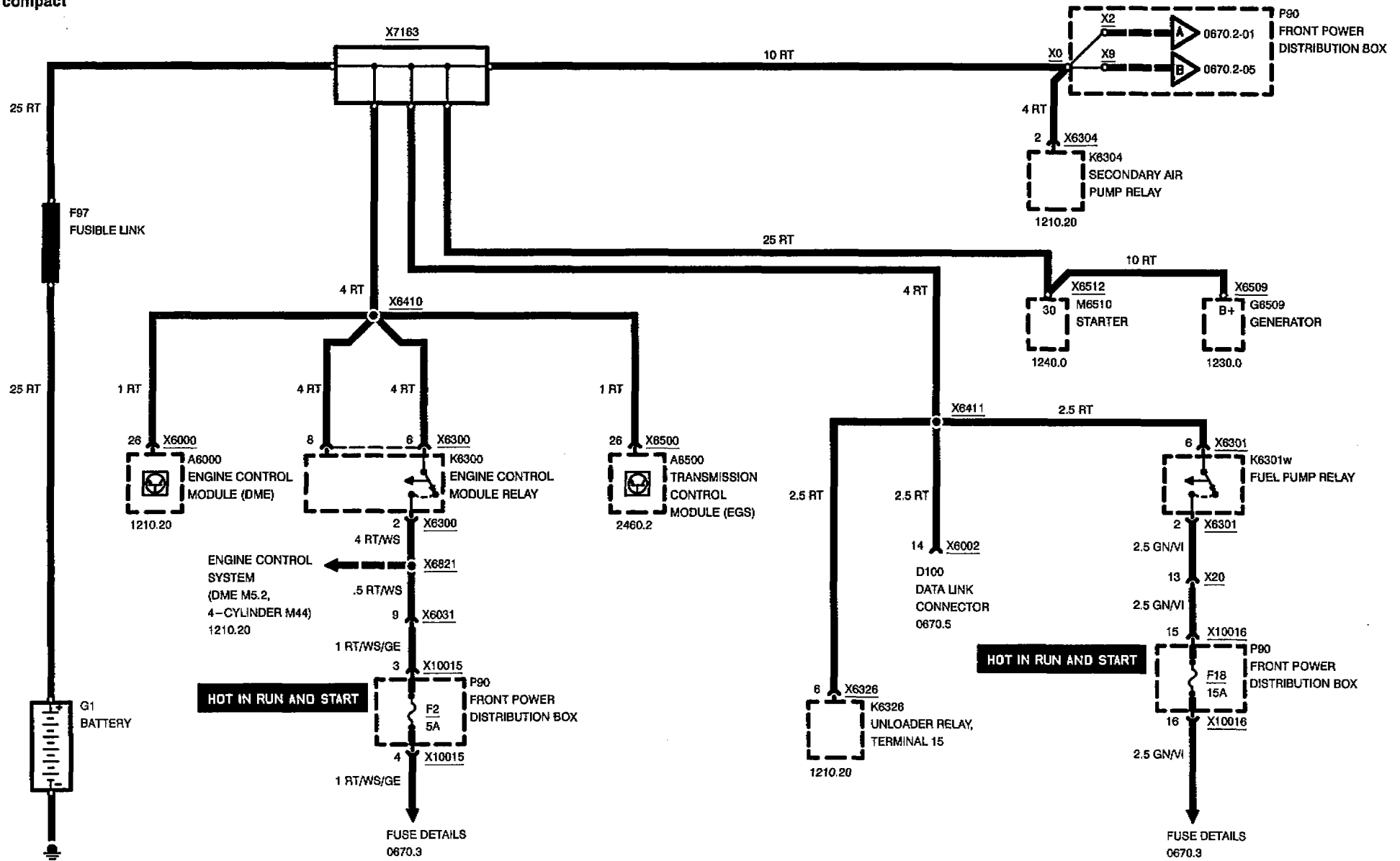
FUSES 30 TO 48

	FUSE NUMBER																		
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
	7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A		7.5A	5A	15A	7.5A	15A	15A	40A
6213.0		●															●		
6300.0				●			●												
6312.0	●																		
6313.0					●														
6314.0				●			●												
6320.0				●			●											●	
6322.0																			
6325.0																	●		
6330.3				●										●					
6332.0			●				●								●				
6350.0					●														
6410.7																			
6424.0																			
6450.6										●								●	
6510.0				●												●			
6510.1				●												●			
6561.0				●										●					
6571.0																	●		
6575.2														●				●	
6581.3		●															●		



compact

POWER DISTRIBUTION



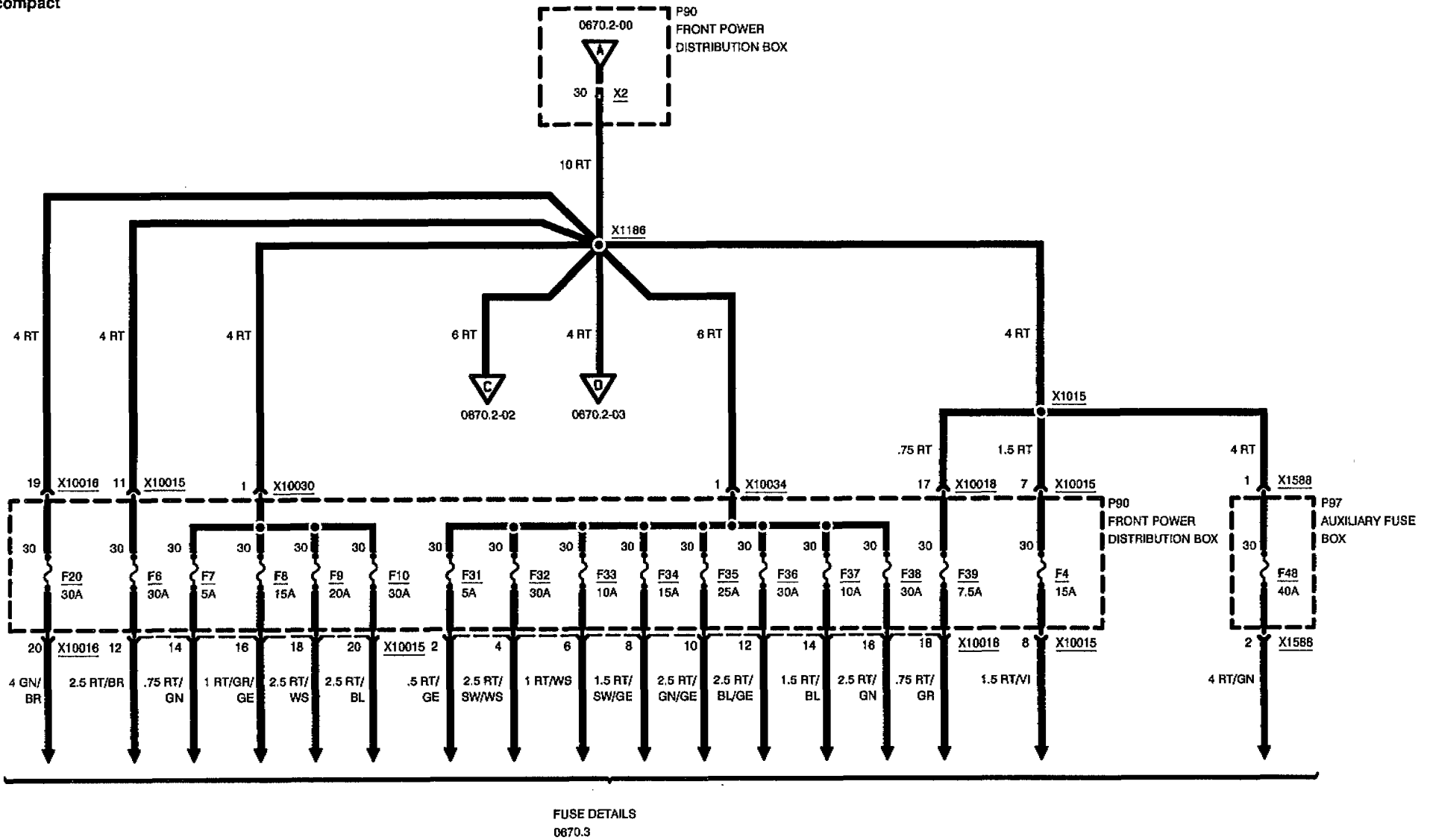
09/97

0670.2-00

1998



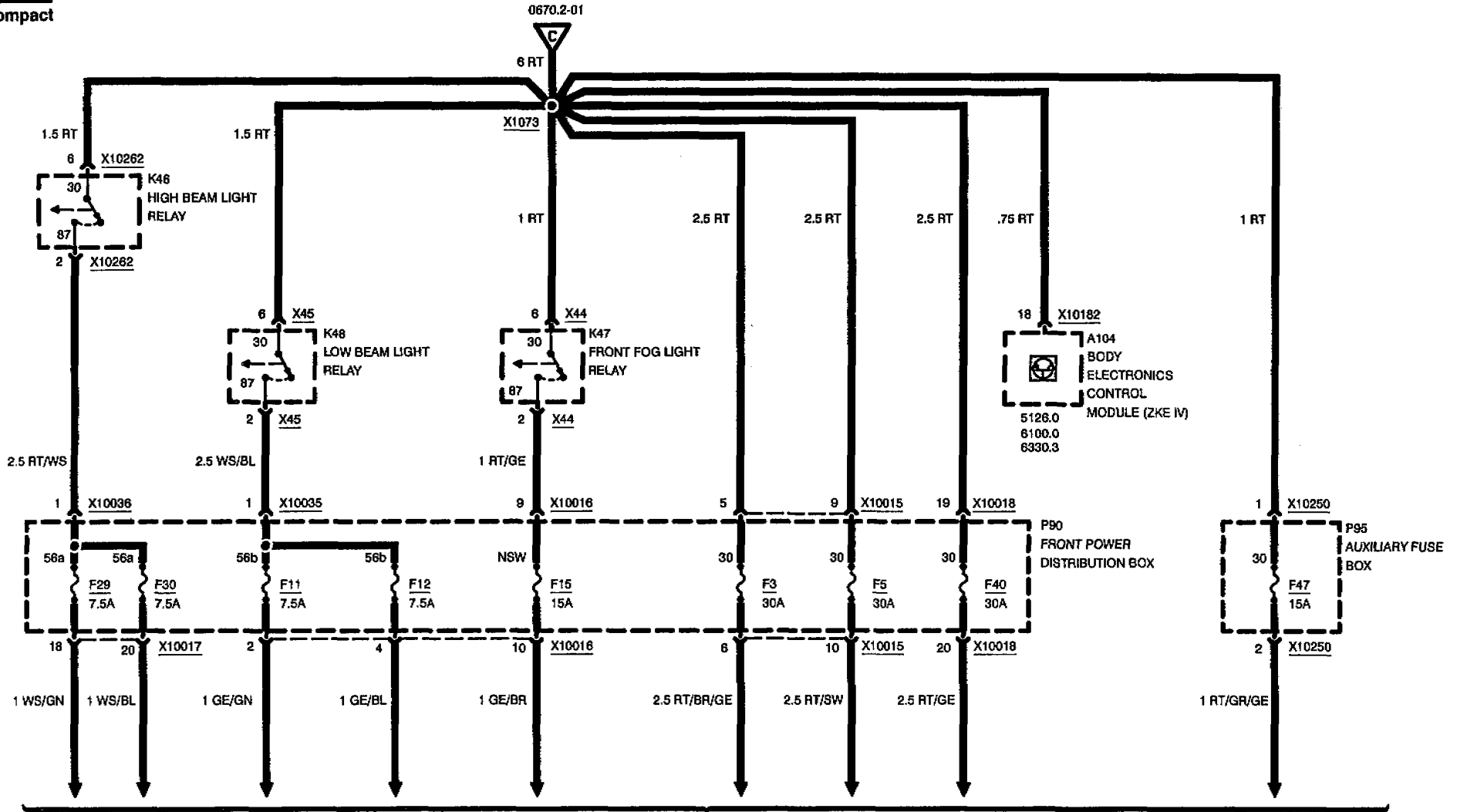
POWER DISTRIBUTION





POWER DISTRIBUTION

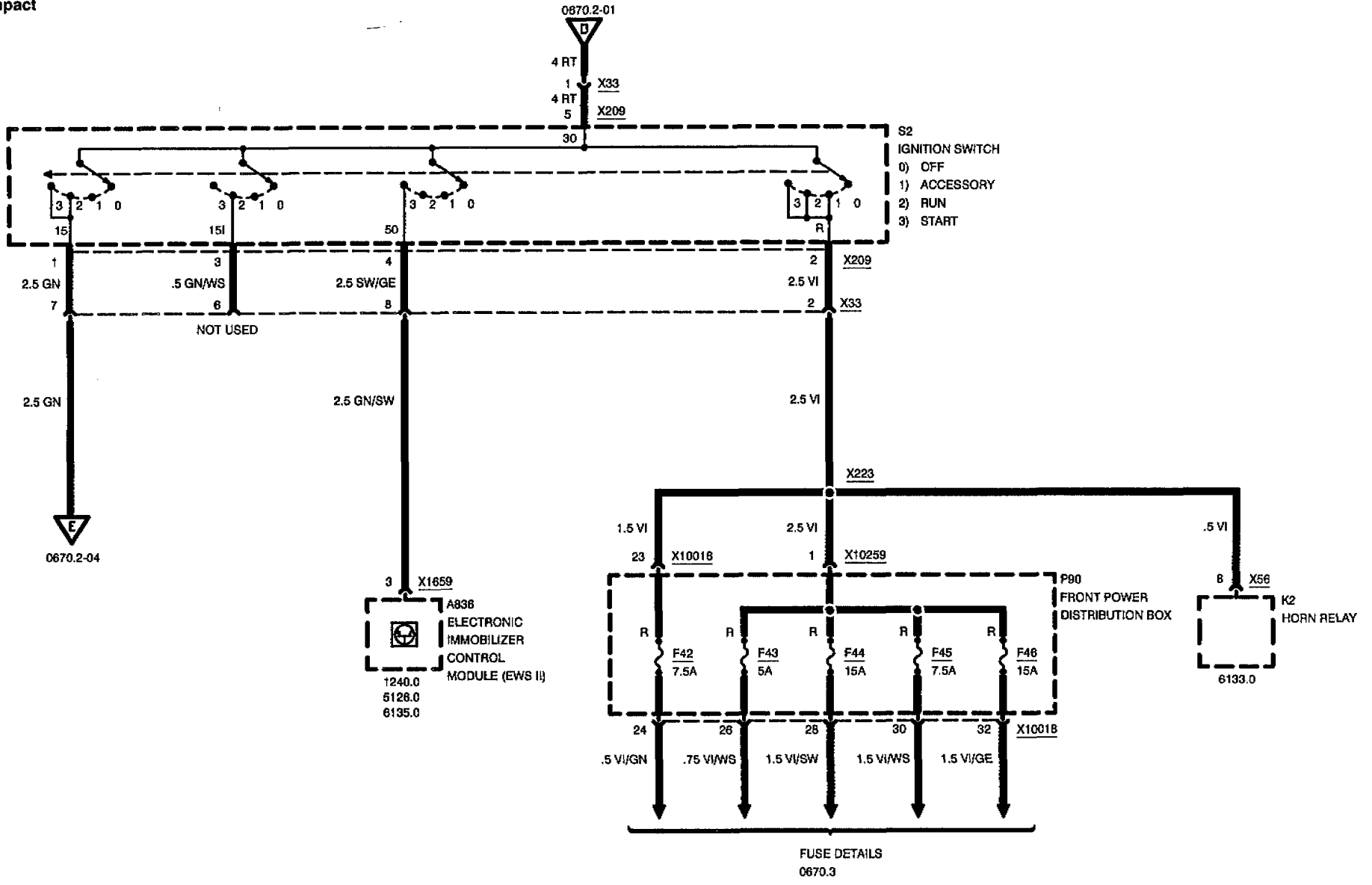
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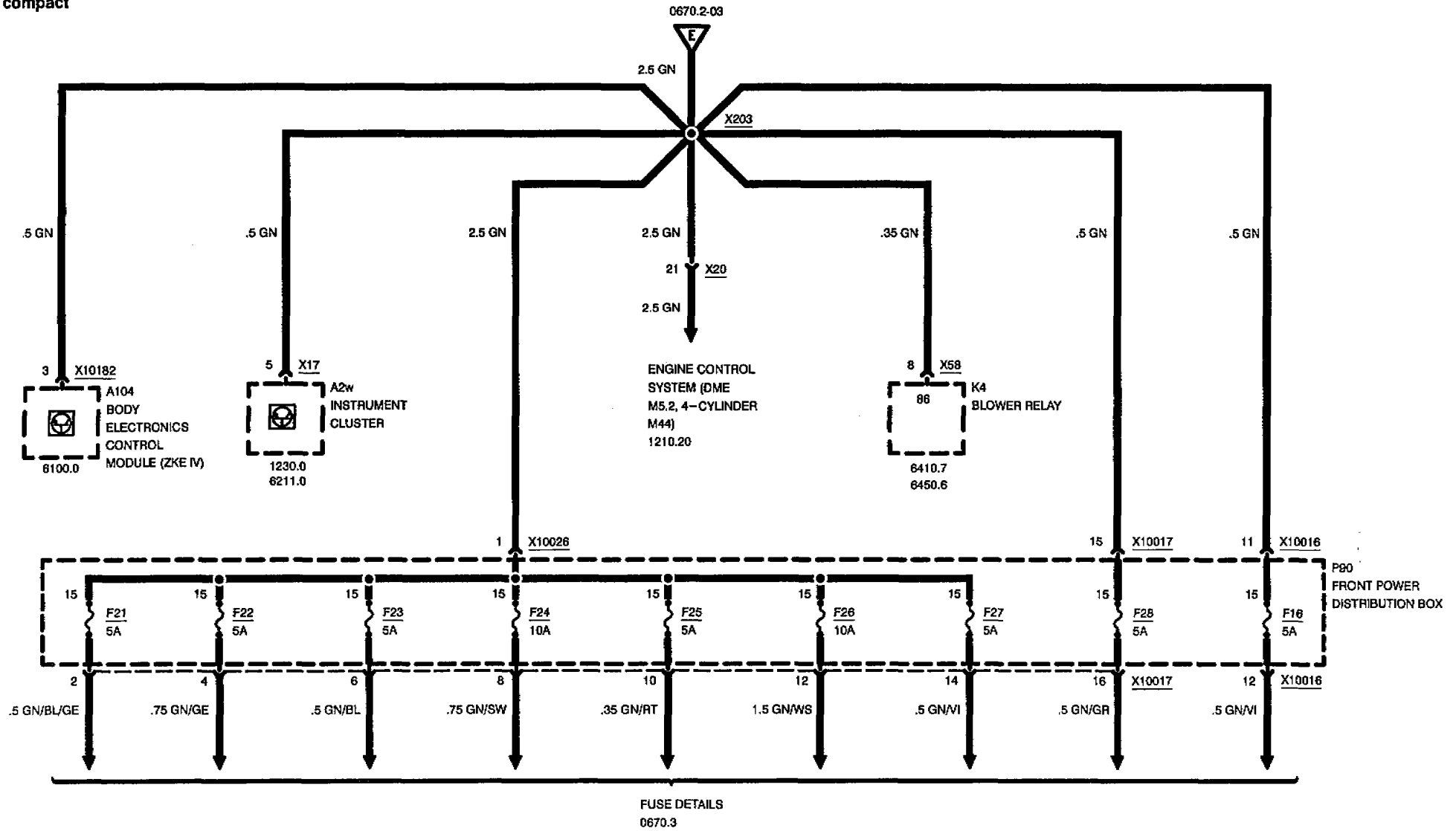
FUSE DETAILS
0670.3



POWER DISTRIBUTION

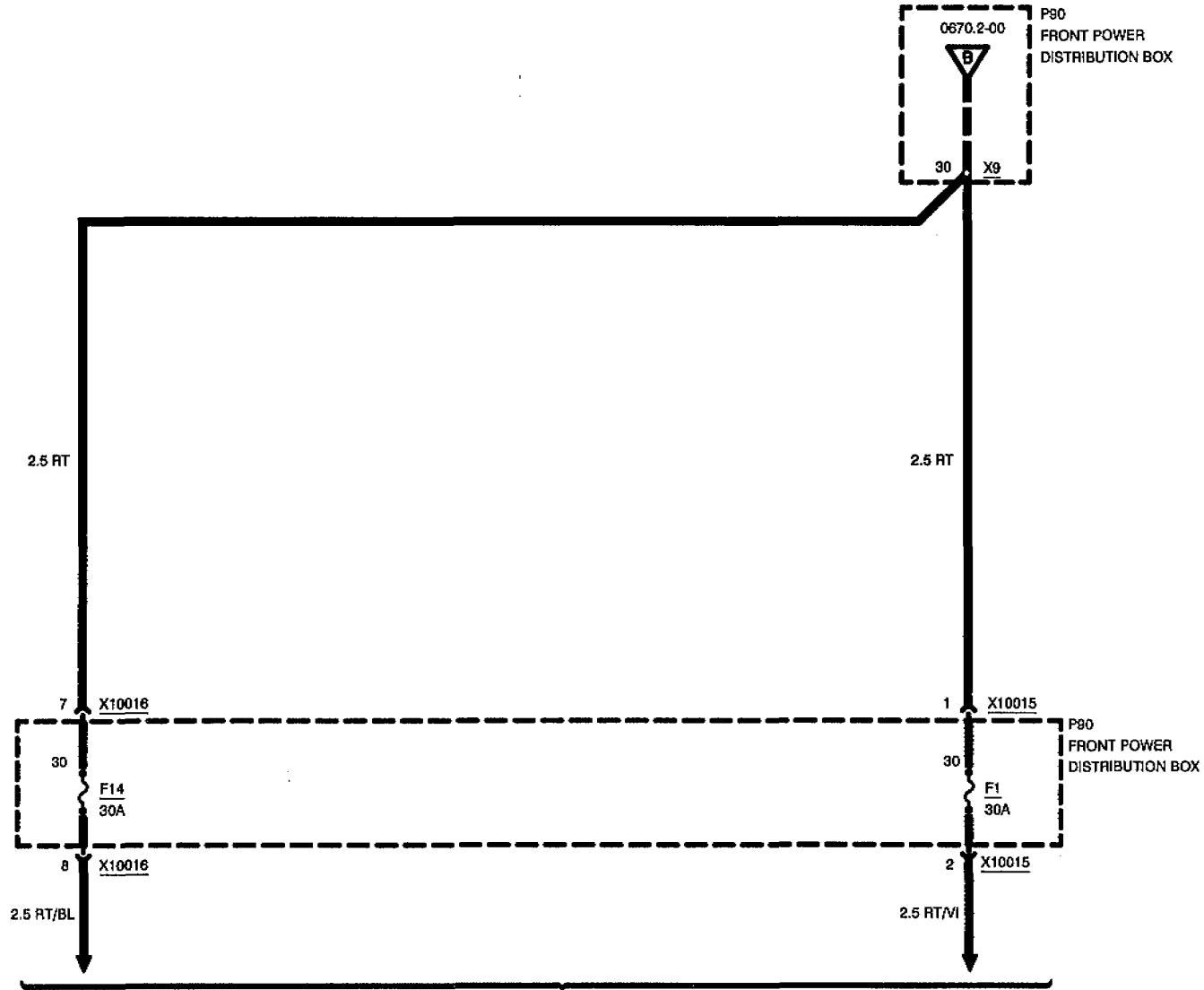


POWER DISTRIBUTION





POWER DISTRIBUTION

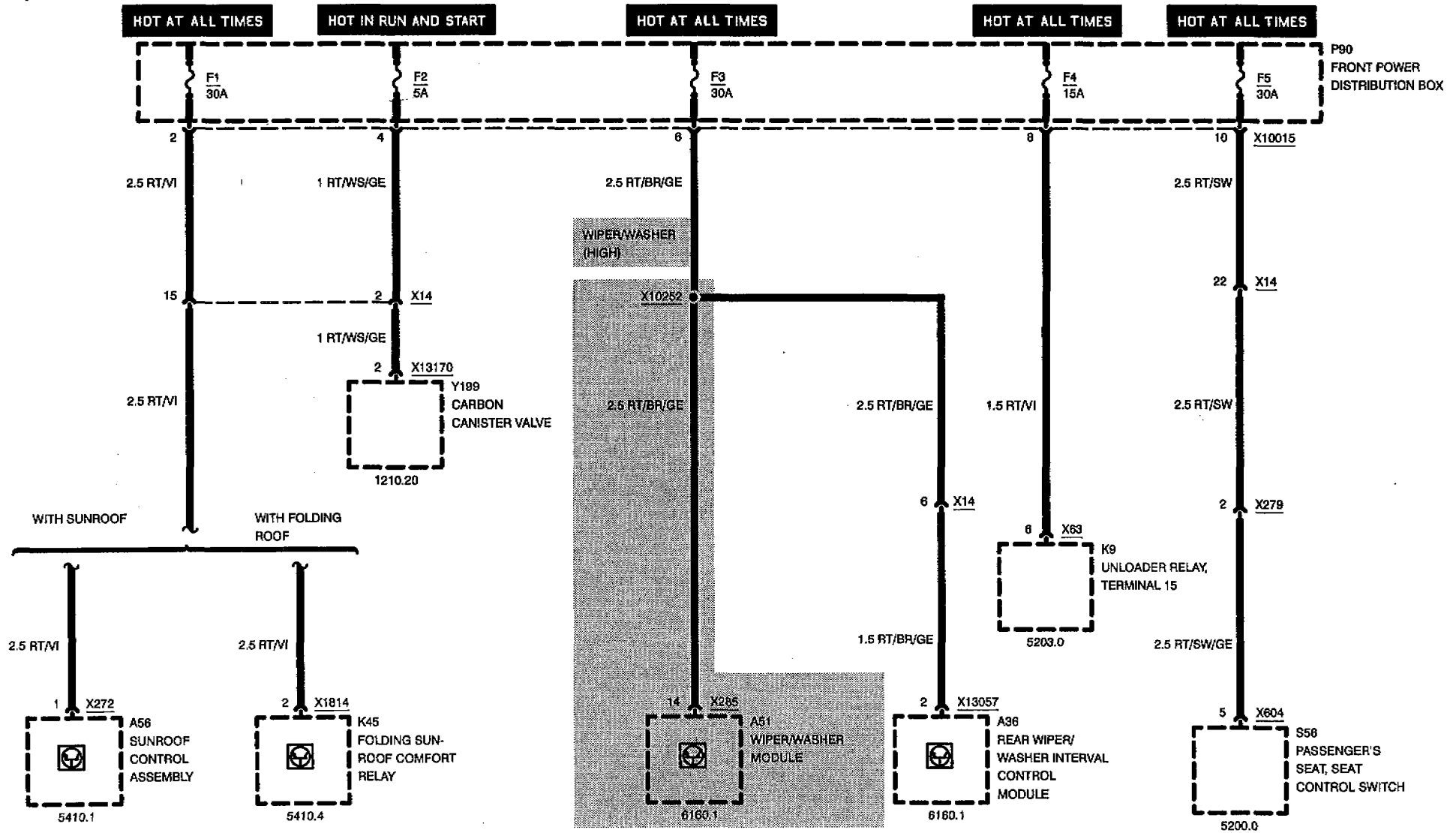


FUSE DETAILS
0670.3



FUSE DETAILS

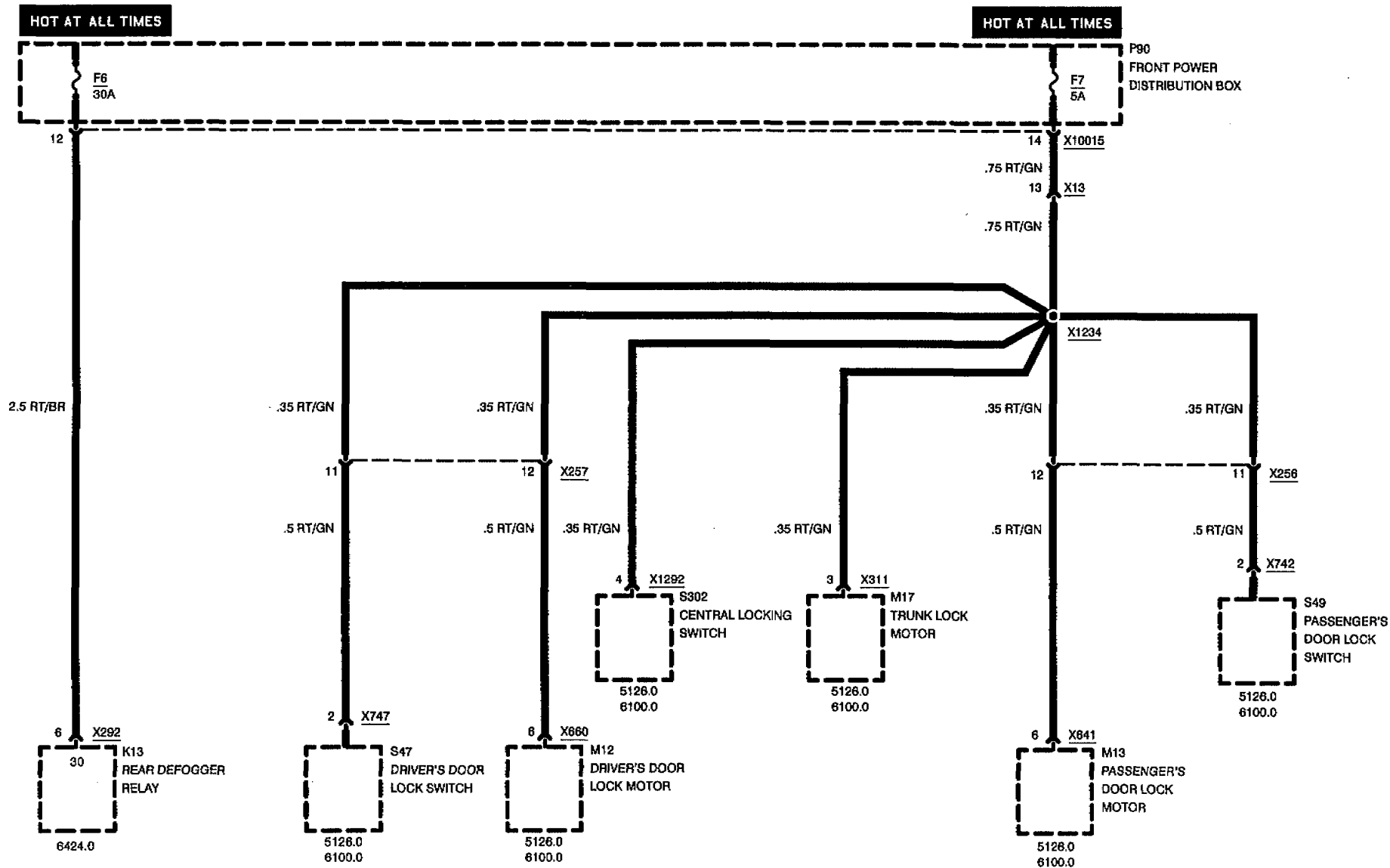
FUSES 1, 2, 3, 4, AND 5





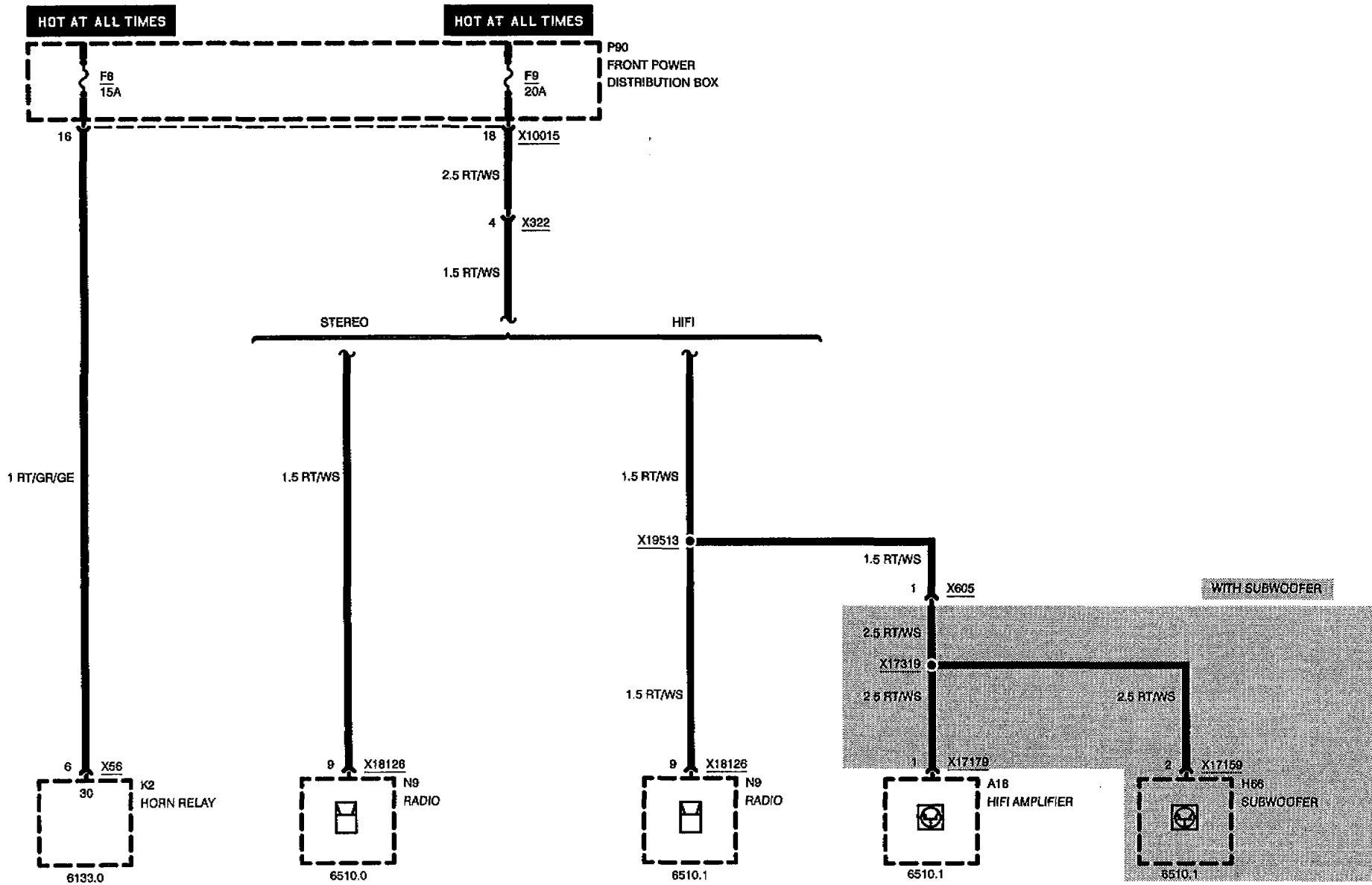
FUSE DETAILS

FUSES 6 AND 7



FUSE DETAILS

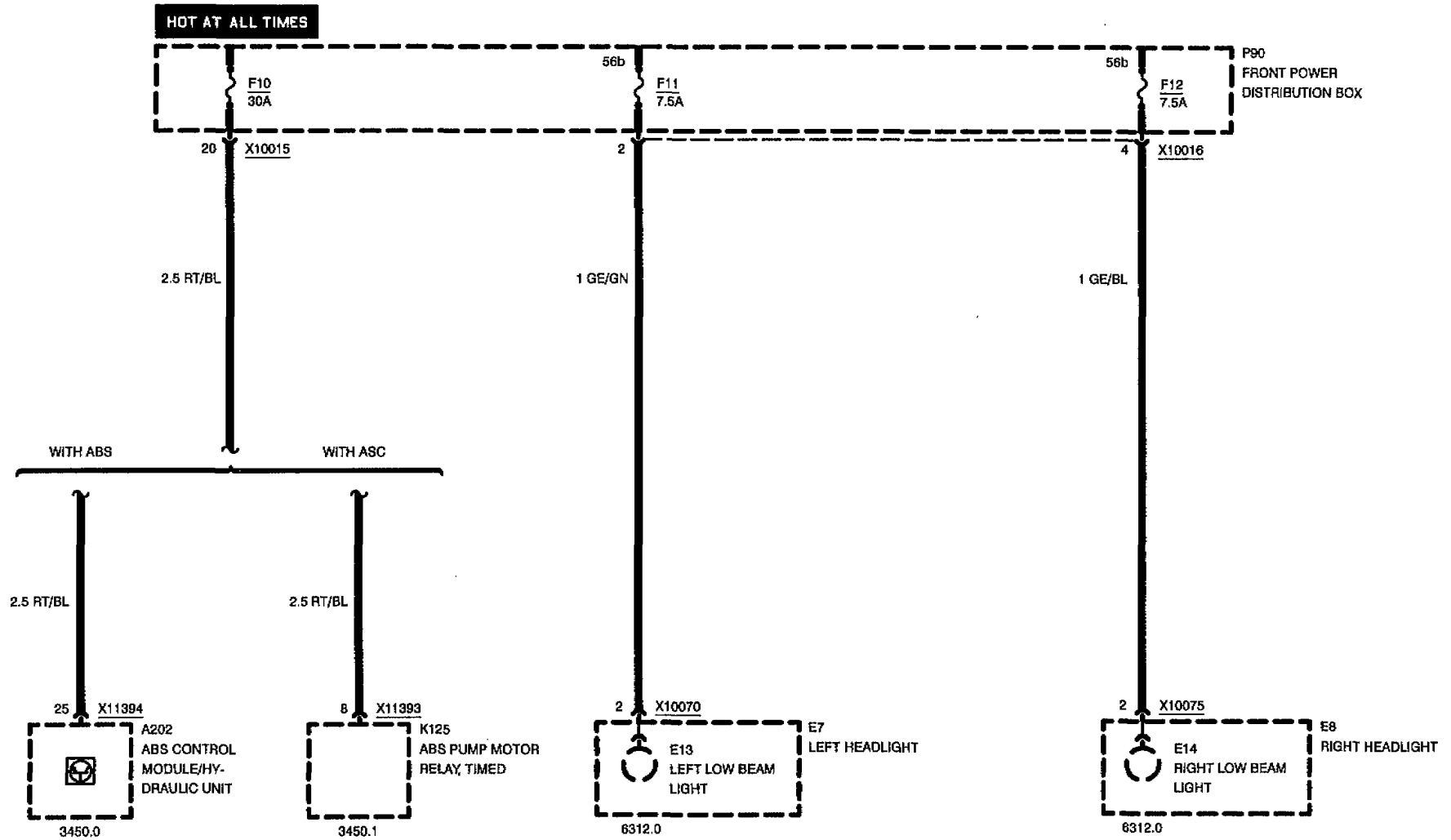
FUSES 8 AND 9





FUSE DETAILS

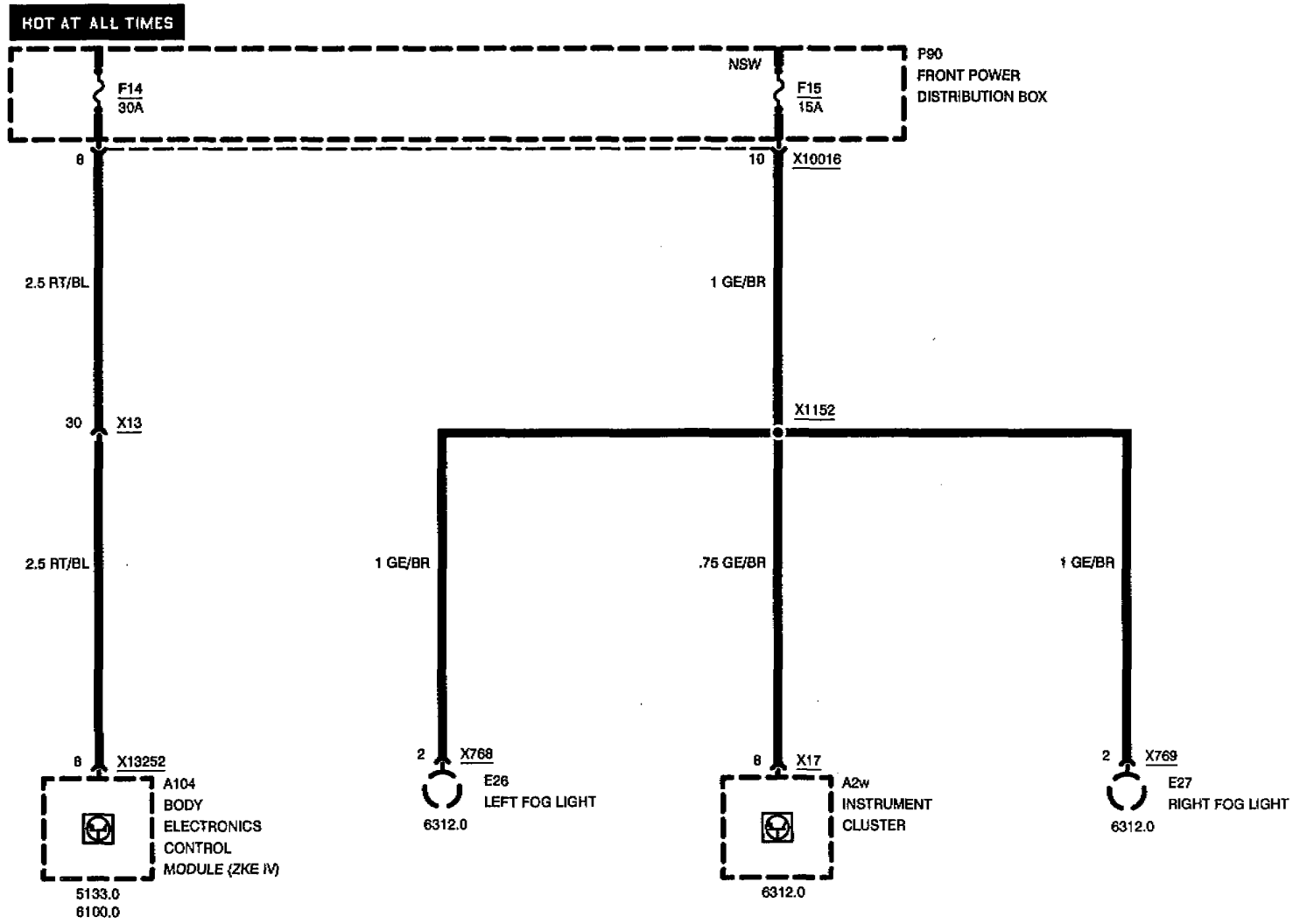
FUSES 10, 11, AND 12





FUSE DETAILS

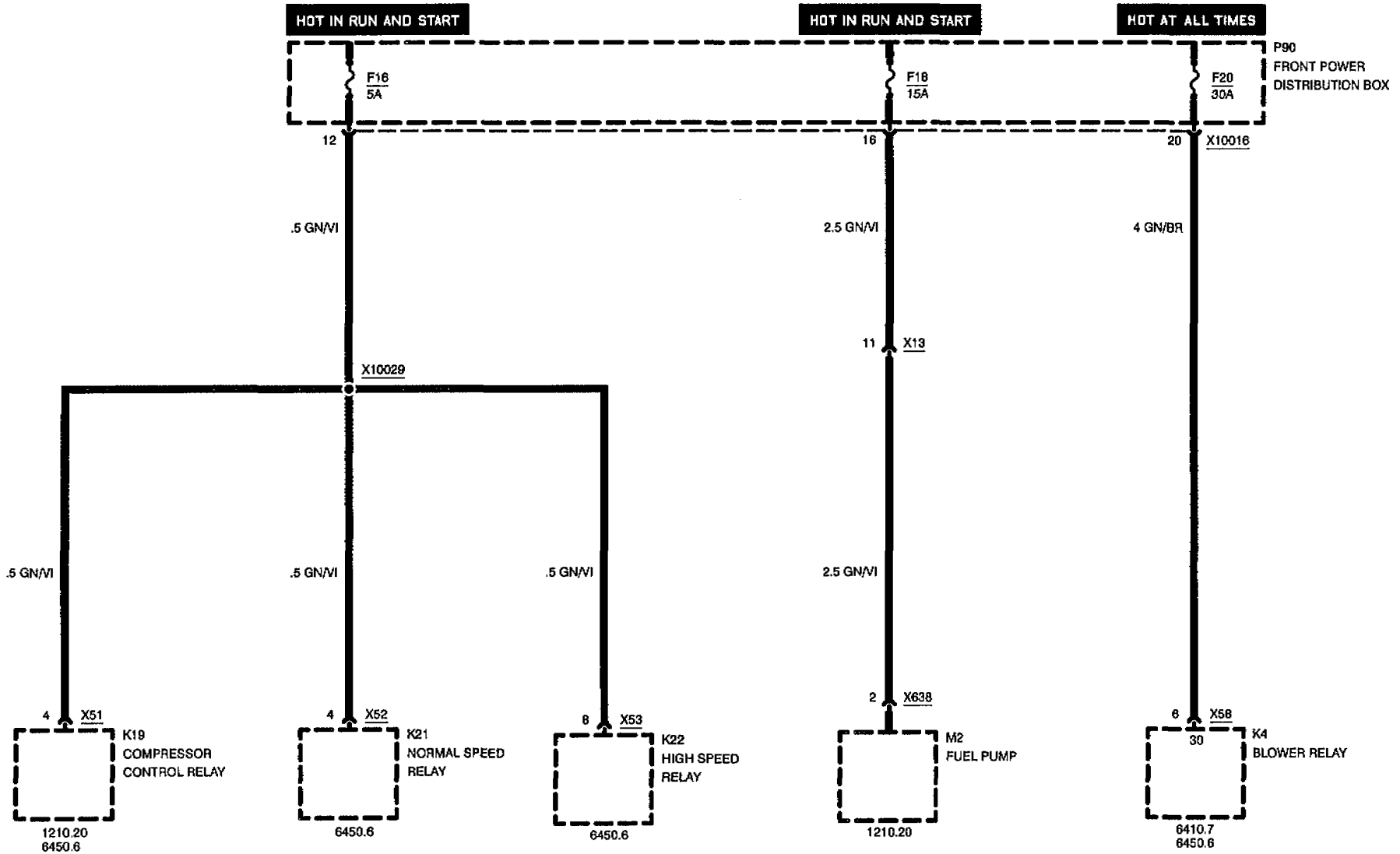
FUSES 14 AND 15





FUSE DETAILS

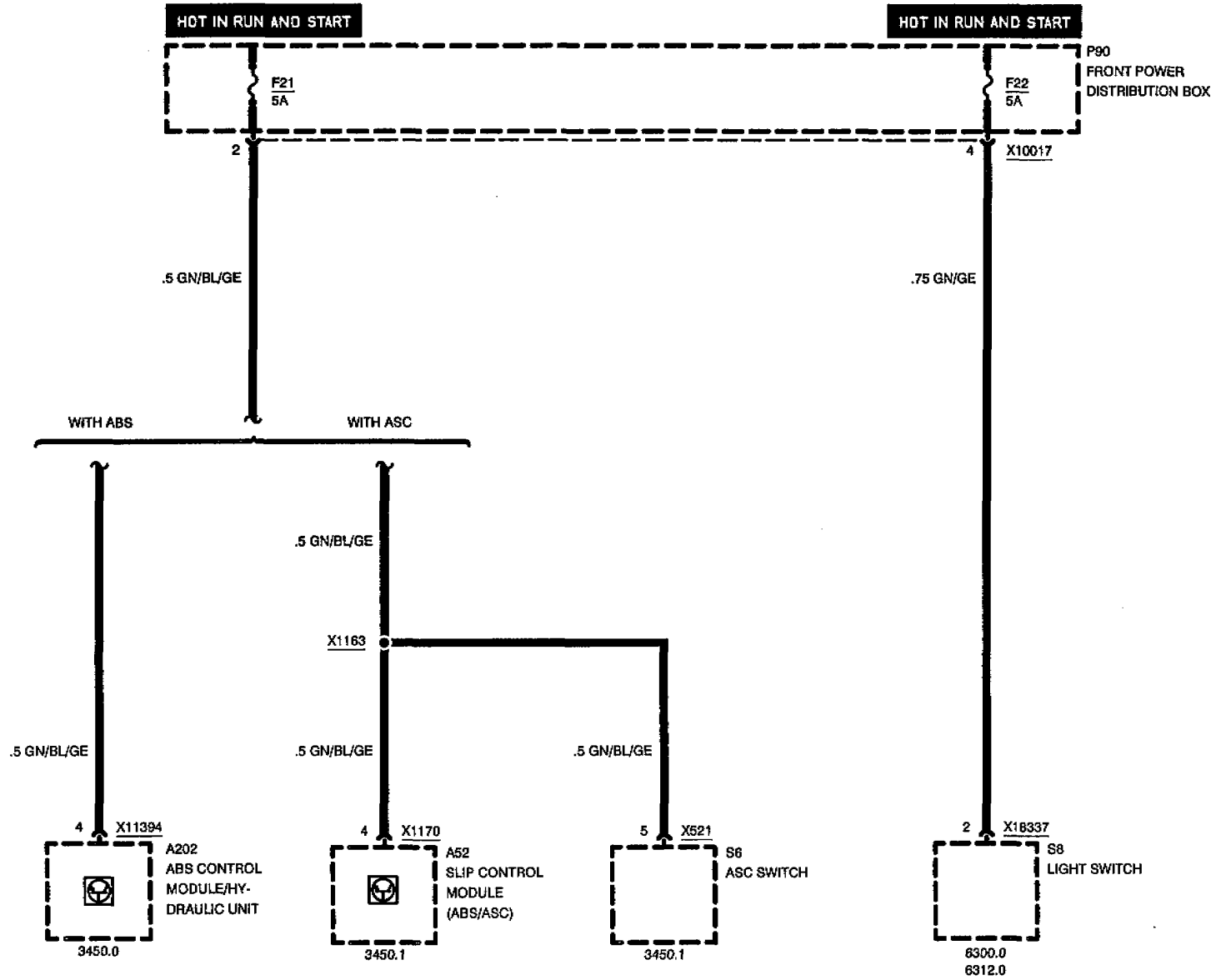
FUSES 16, 18, AND 20





FUSE DETAILS

FUSES 21 AND 22

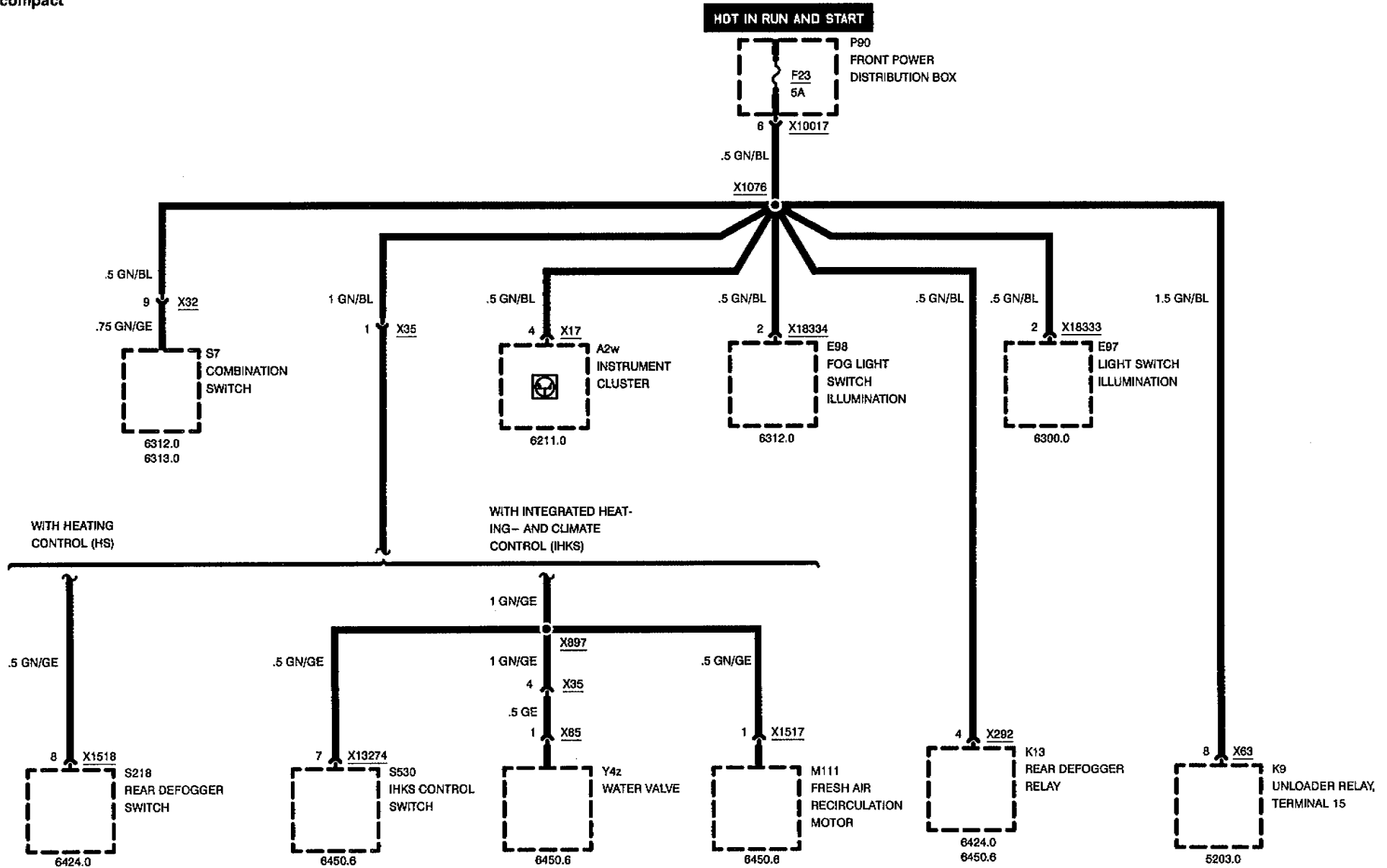




FUSE DETAILS

FUSE 23

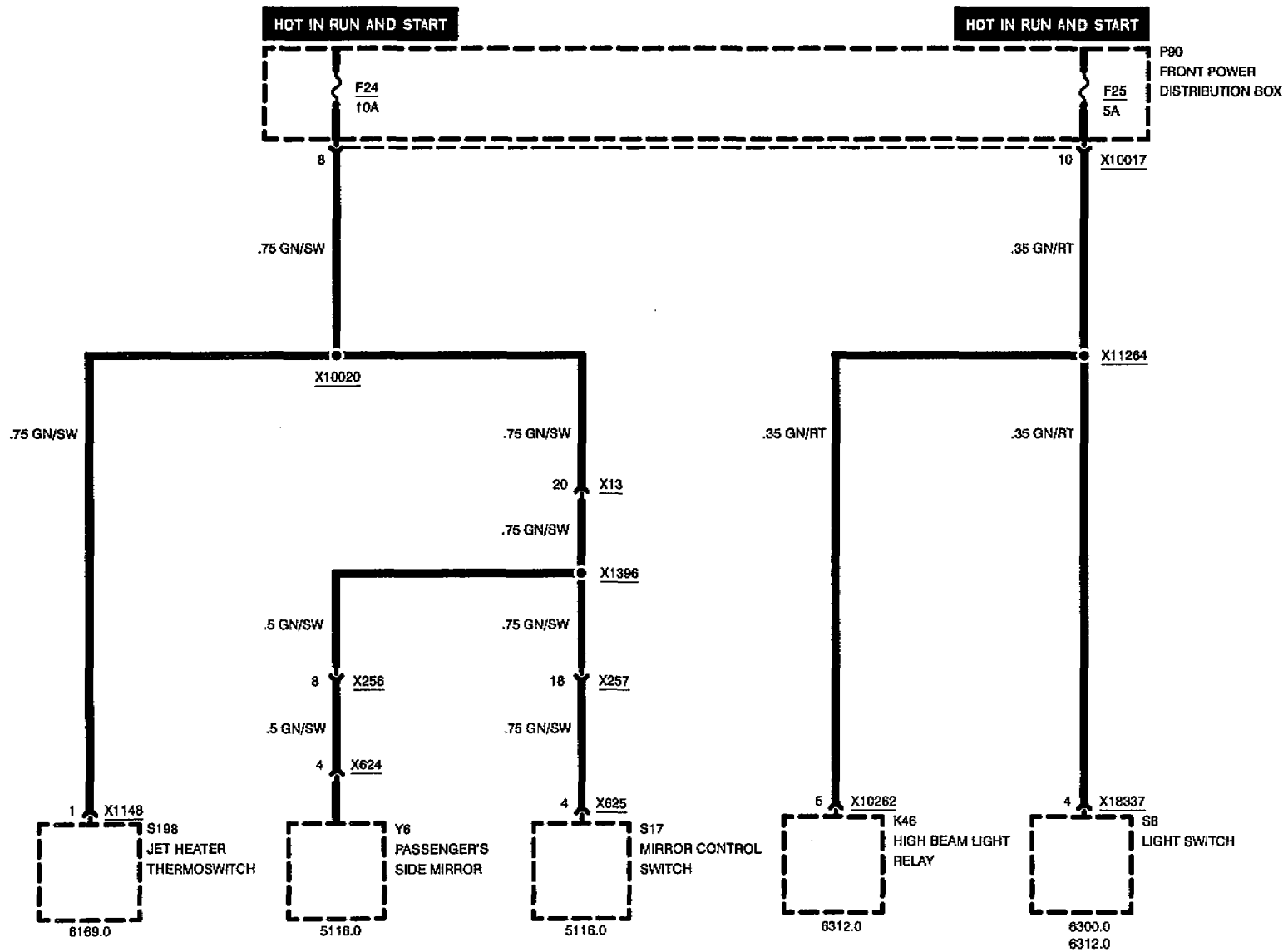
compact





FUSE DETAILS

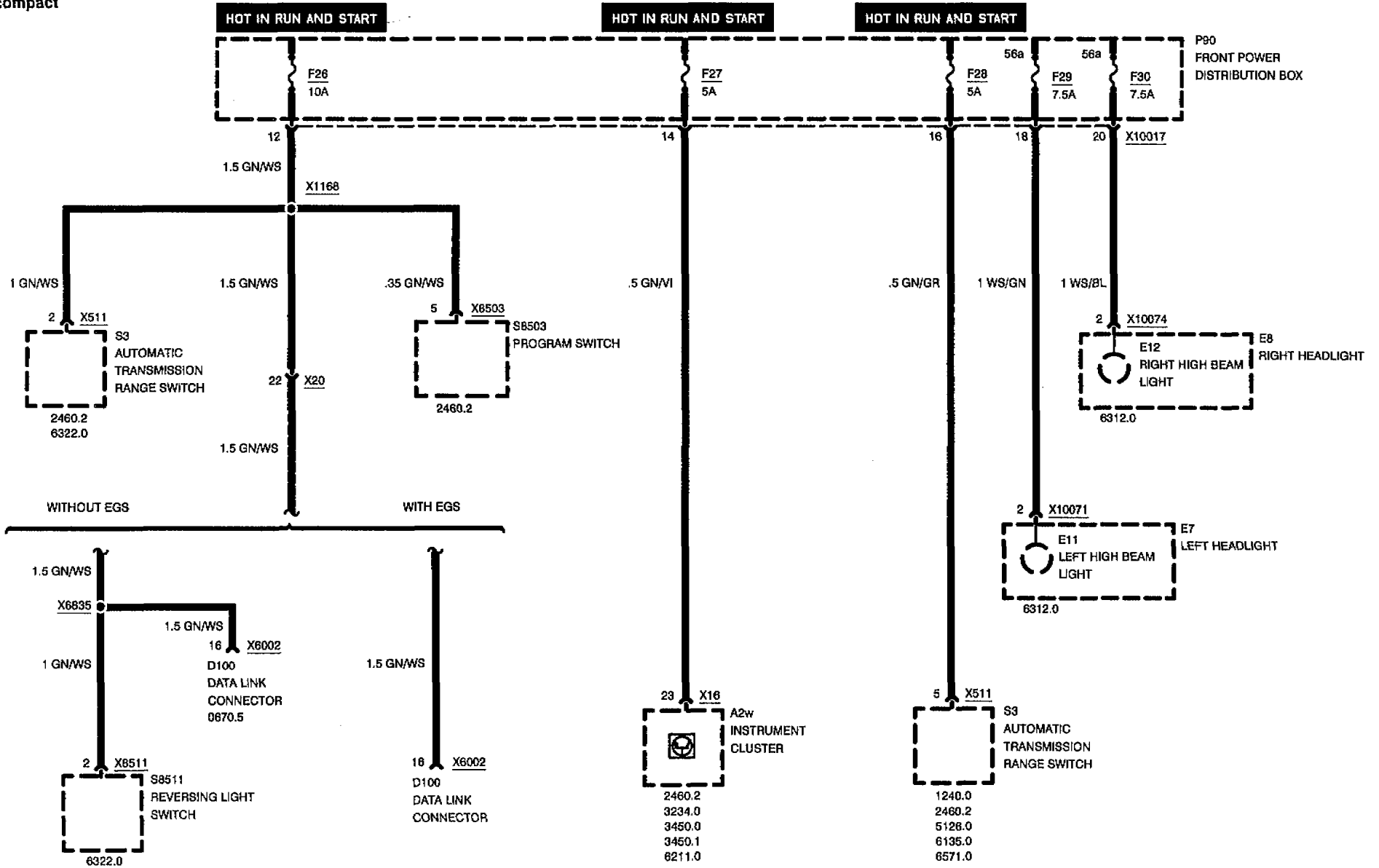
FUSES 24 AND 25





FUSE DETAILS

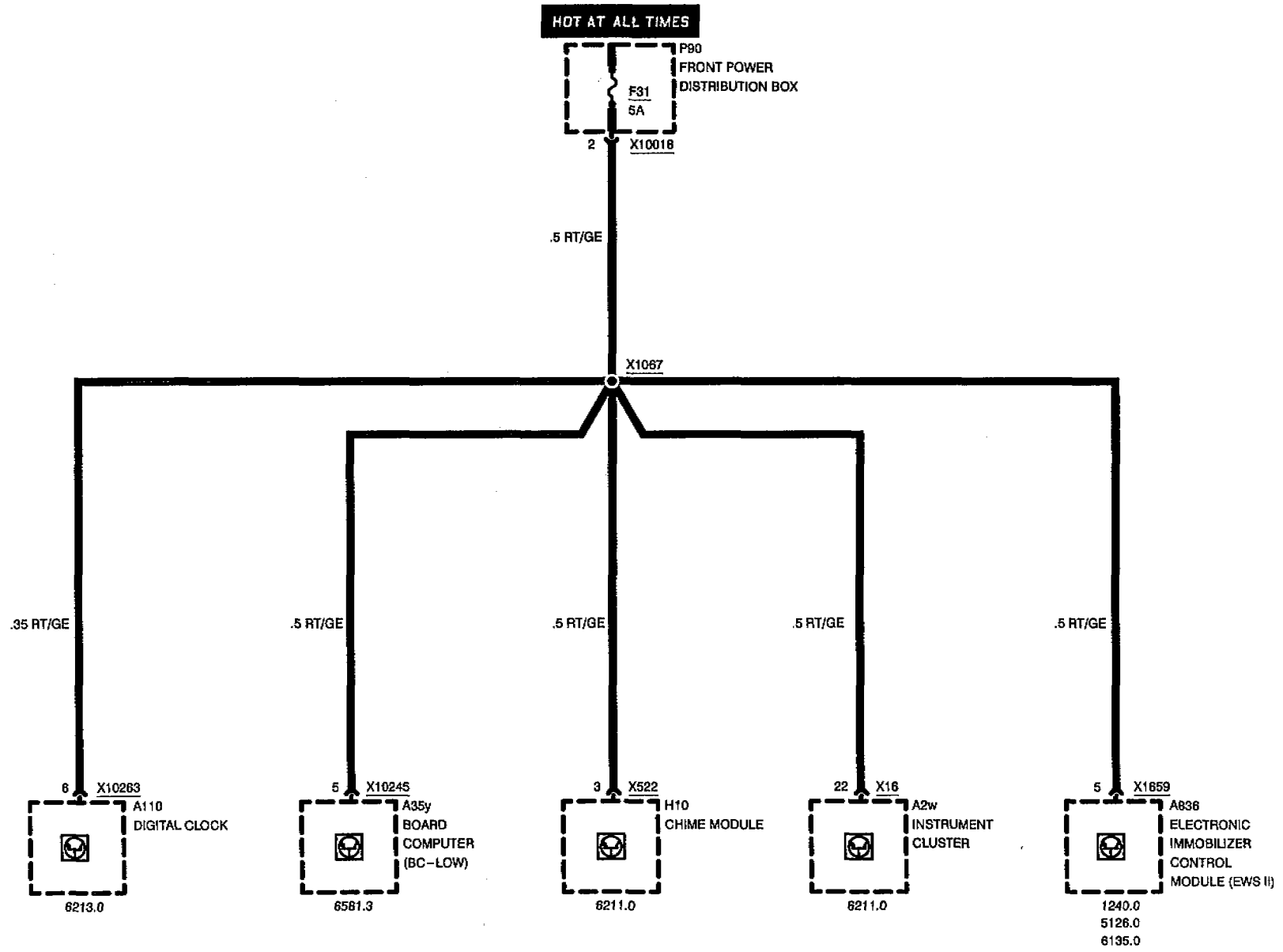
FUSES 26, 27, 28, 29, AND 30





FUSE DETAILS

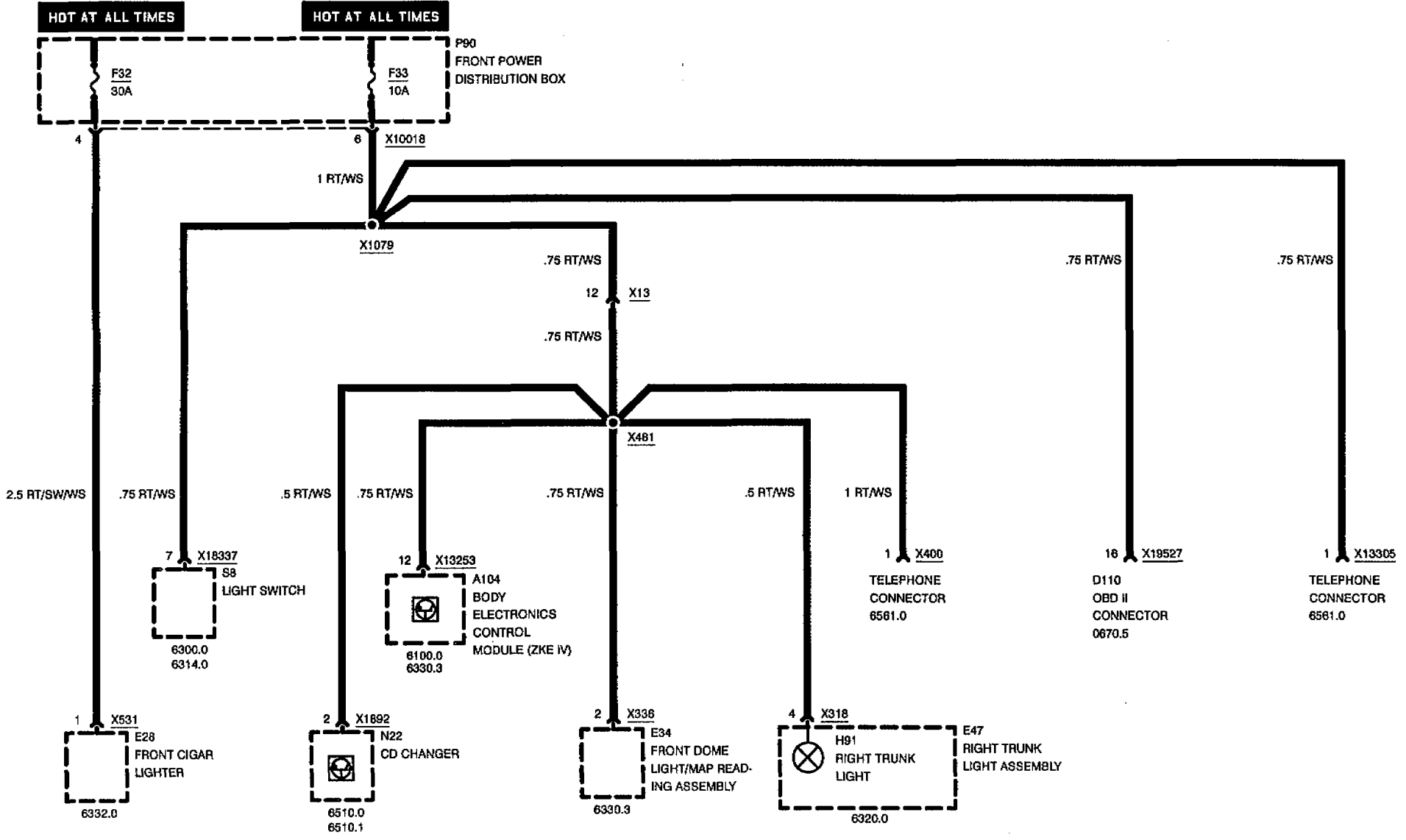
FUSE 31





FUSE DETAILS

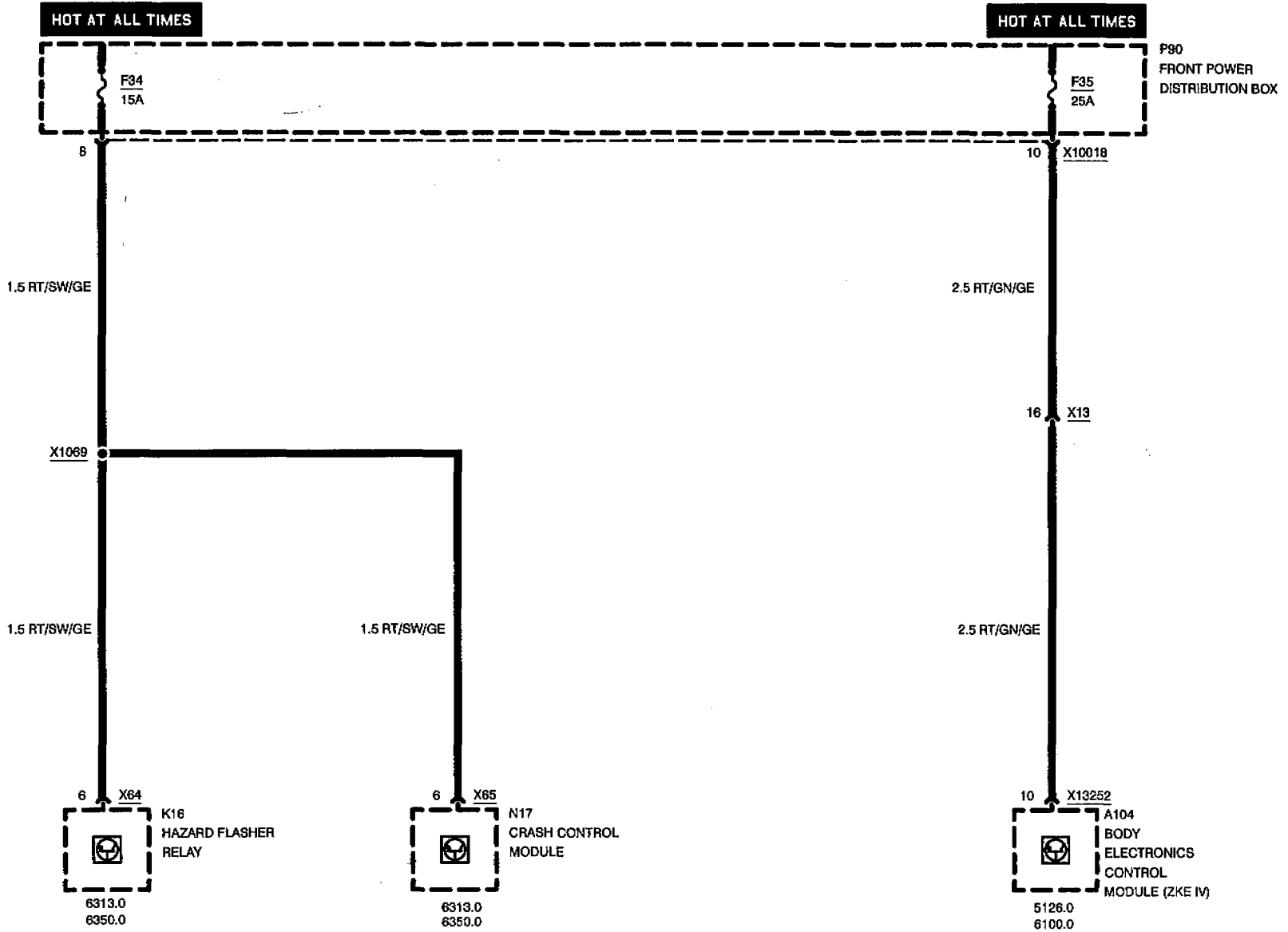
FUSES 32 AND 33





FUSE DETAILS

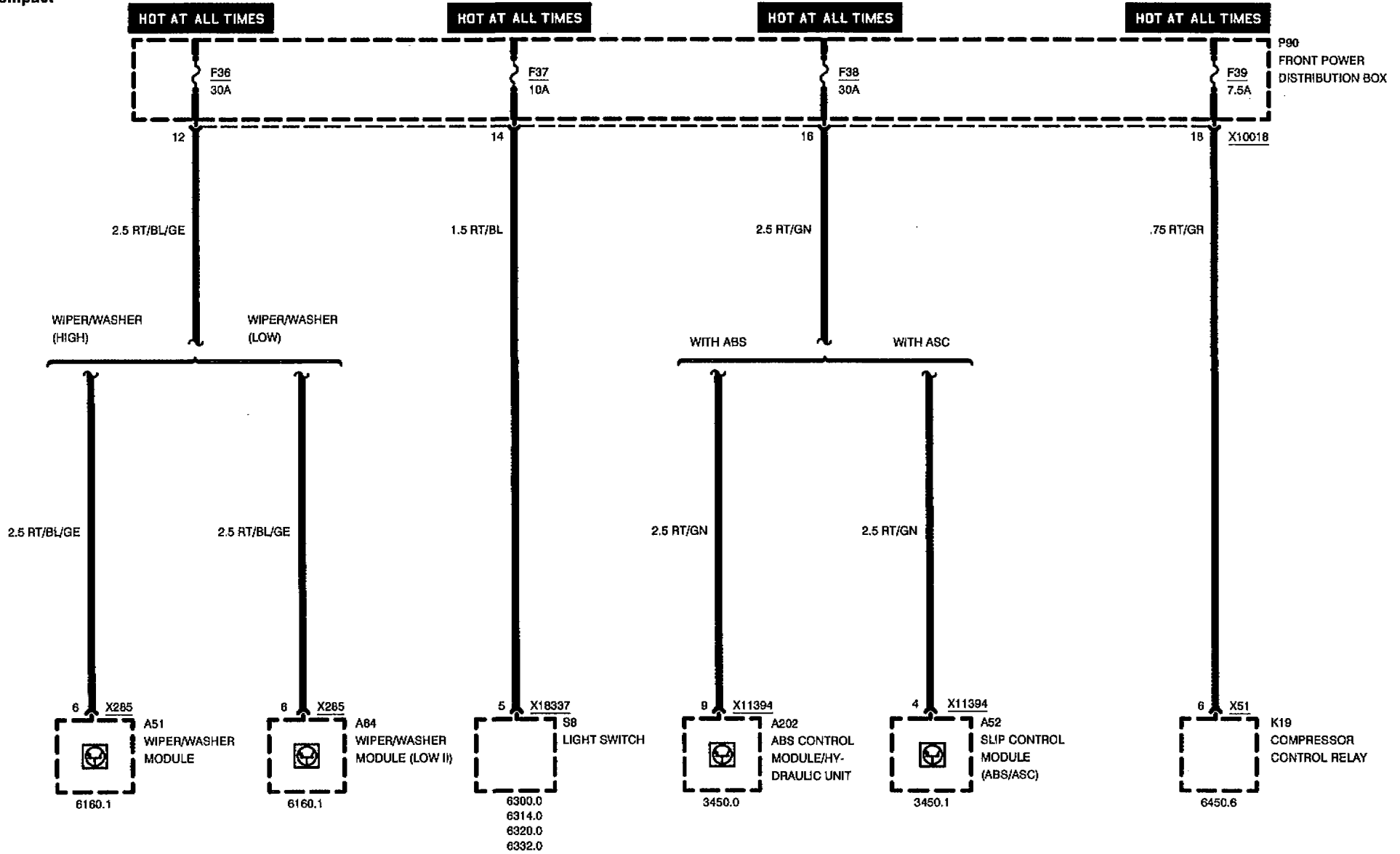
FUSES 34 AND 35





FUSE DETAILS

FUSES 36, 37, 38, AND 39

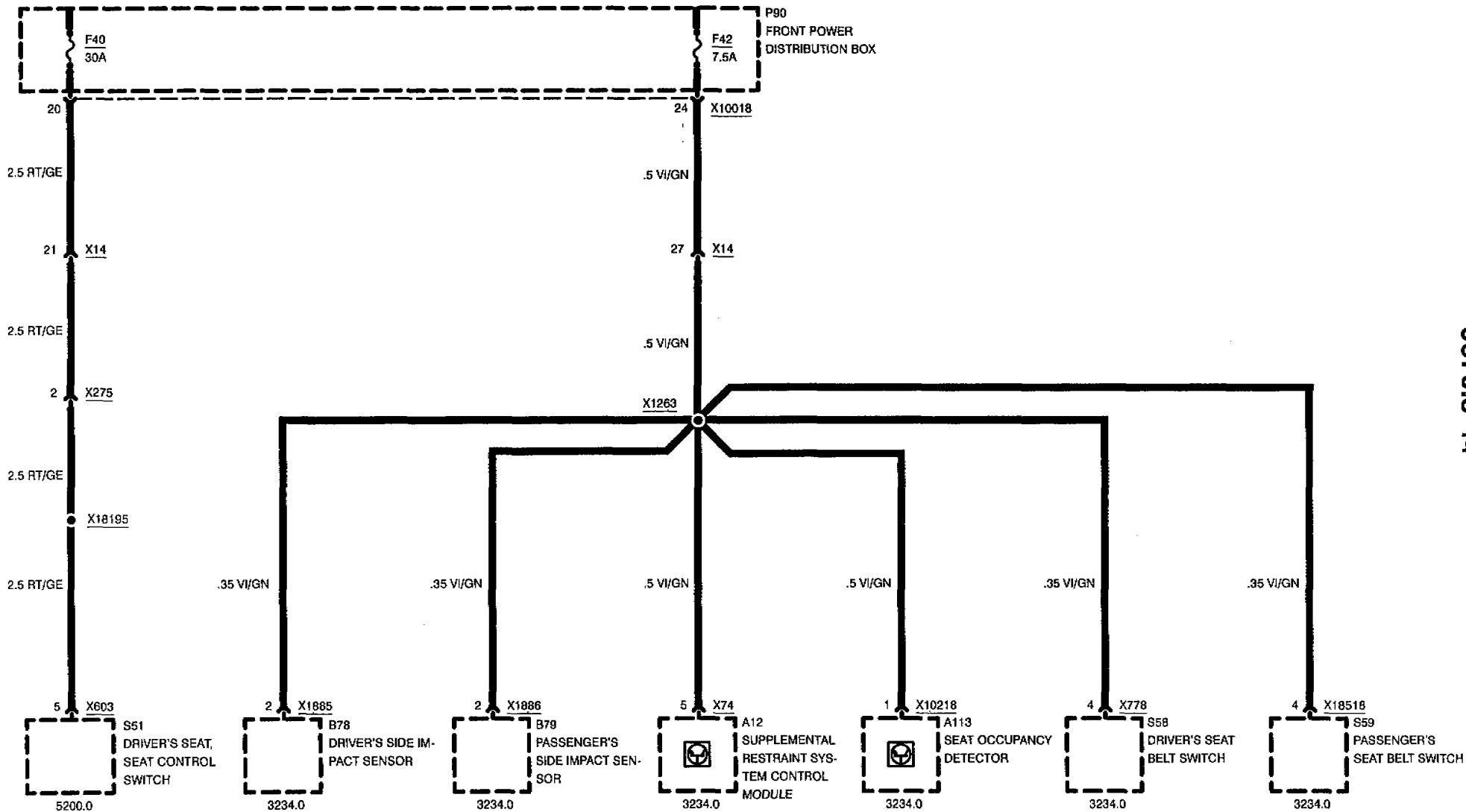




FUSE DETAILS

FUSES 40 AND 42

HOT AT ALL TIMES **HOT IN ACCY, RUN AND START**

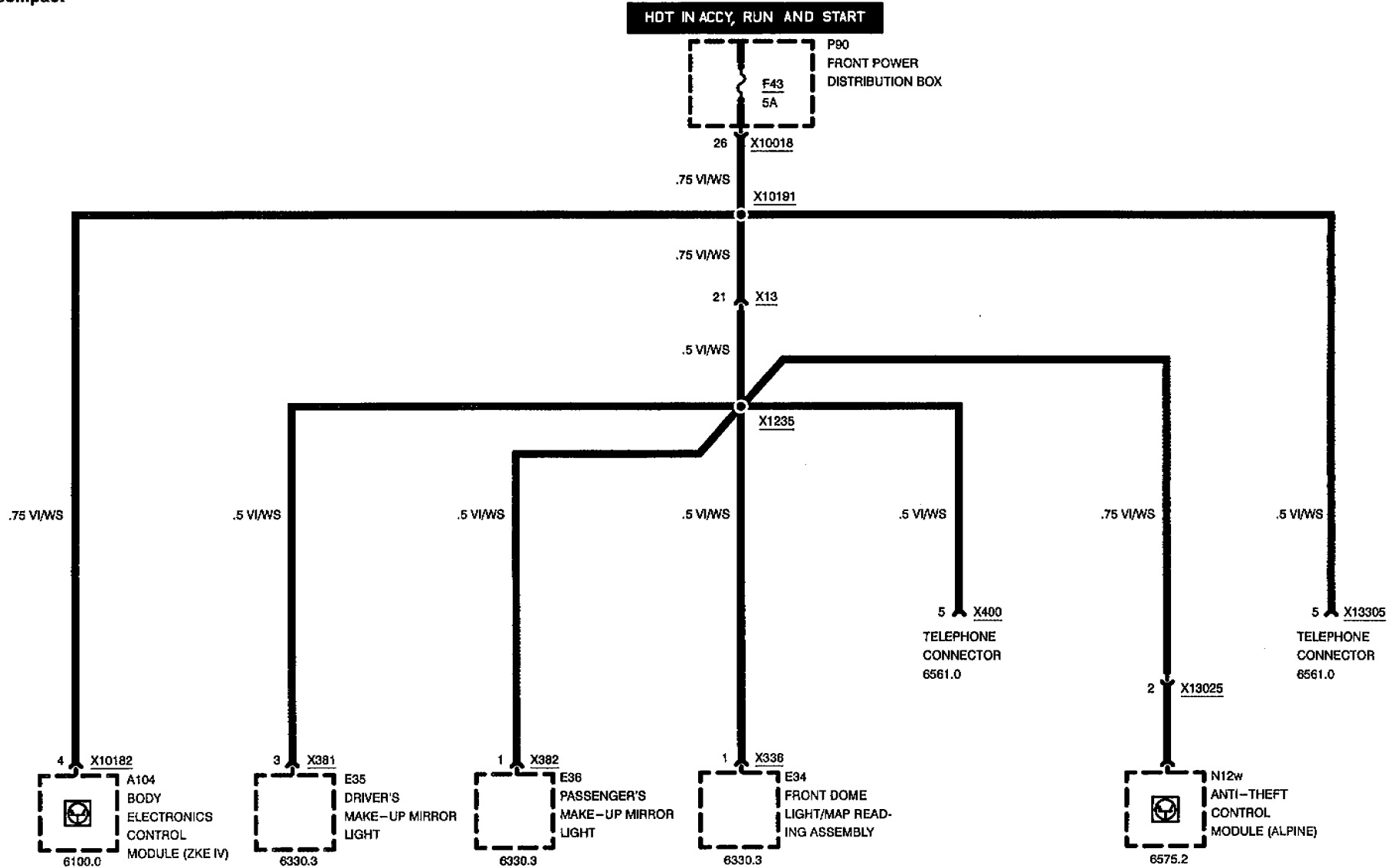




FUSE DETAILS

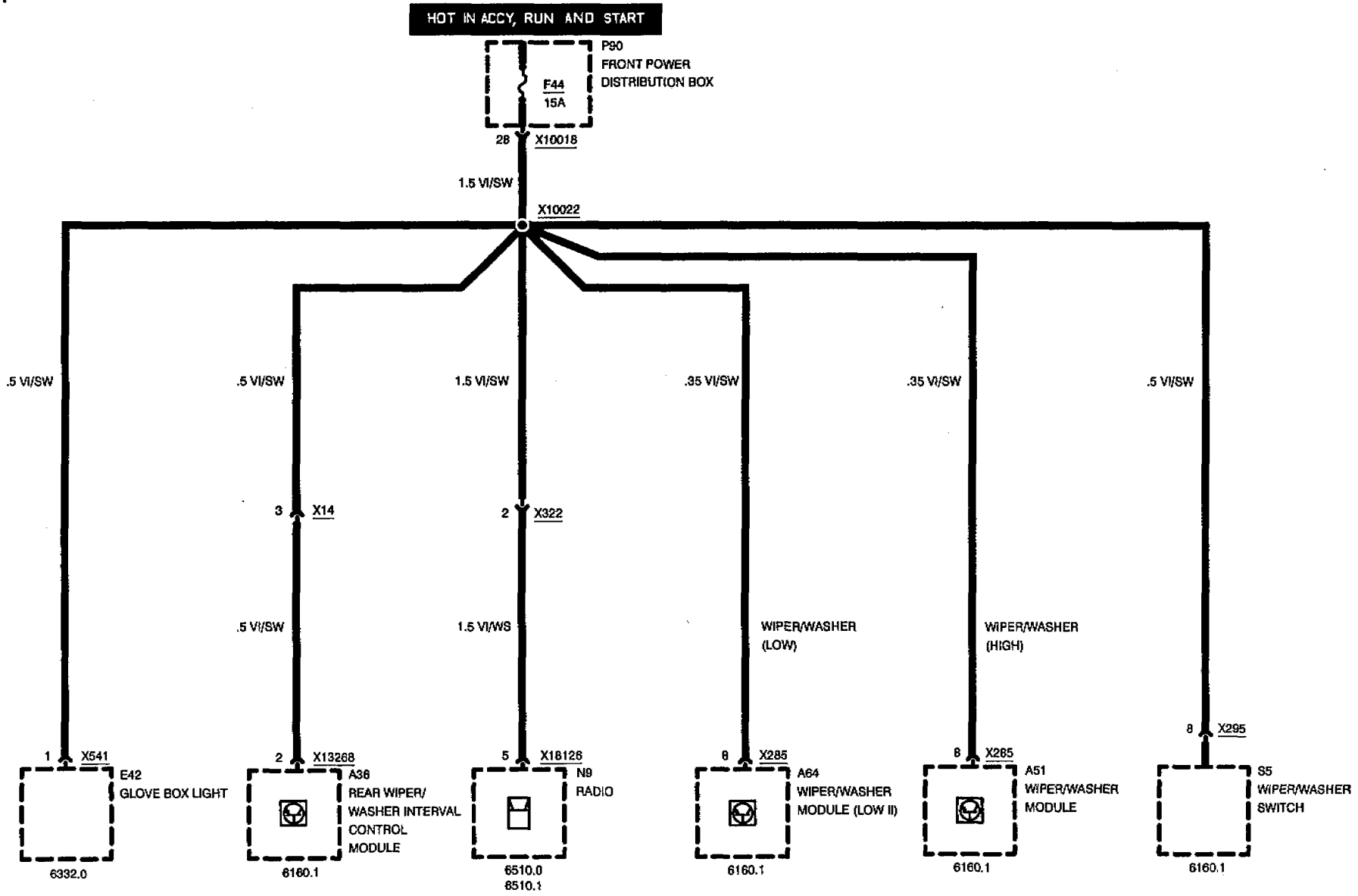
FUSE 43

compact



FUSE DETAILS

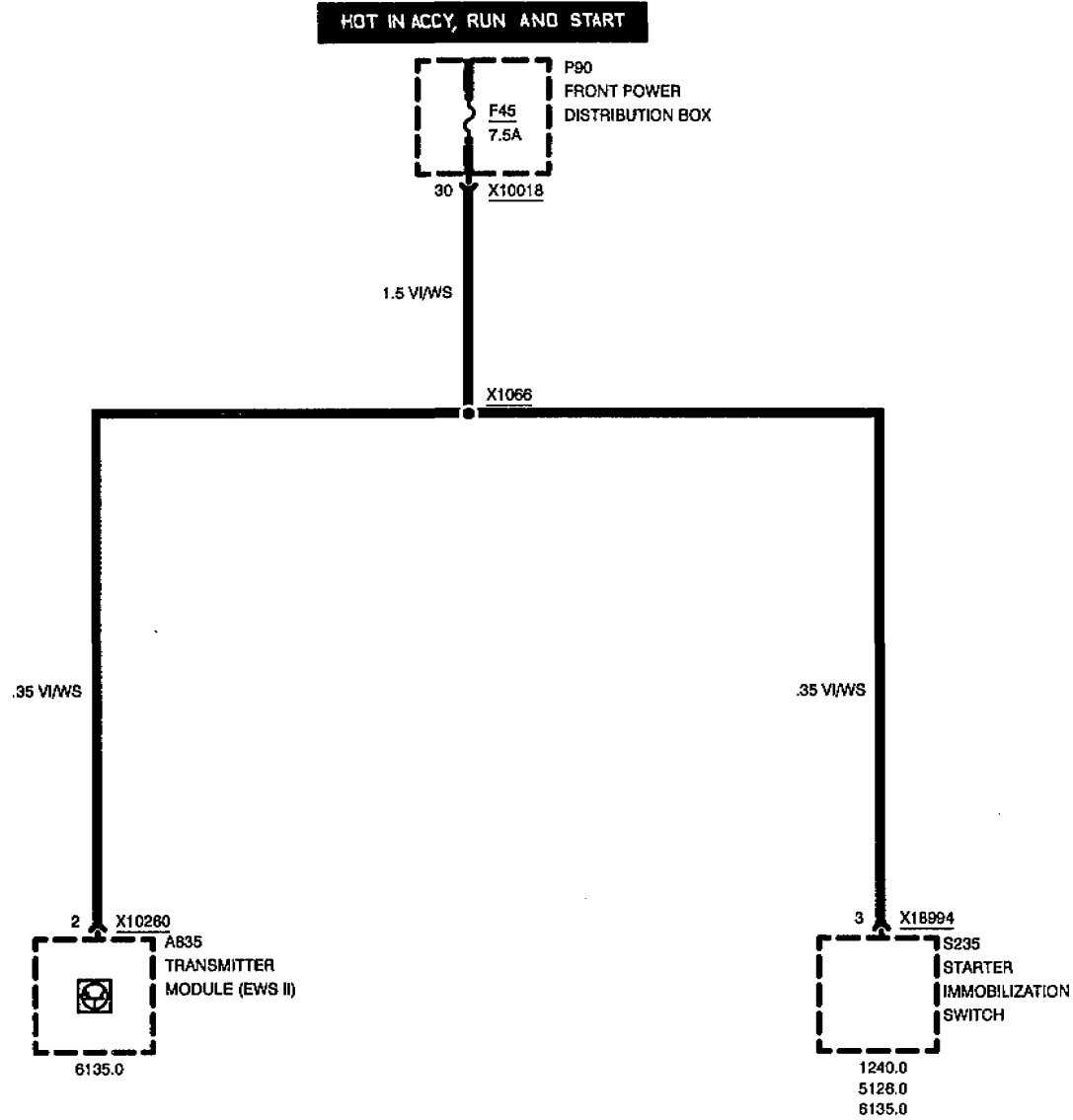
FUSE 44





FUSE DETAILS

FUSE 45

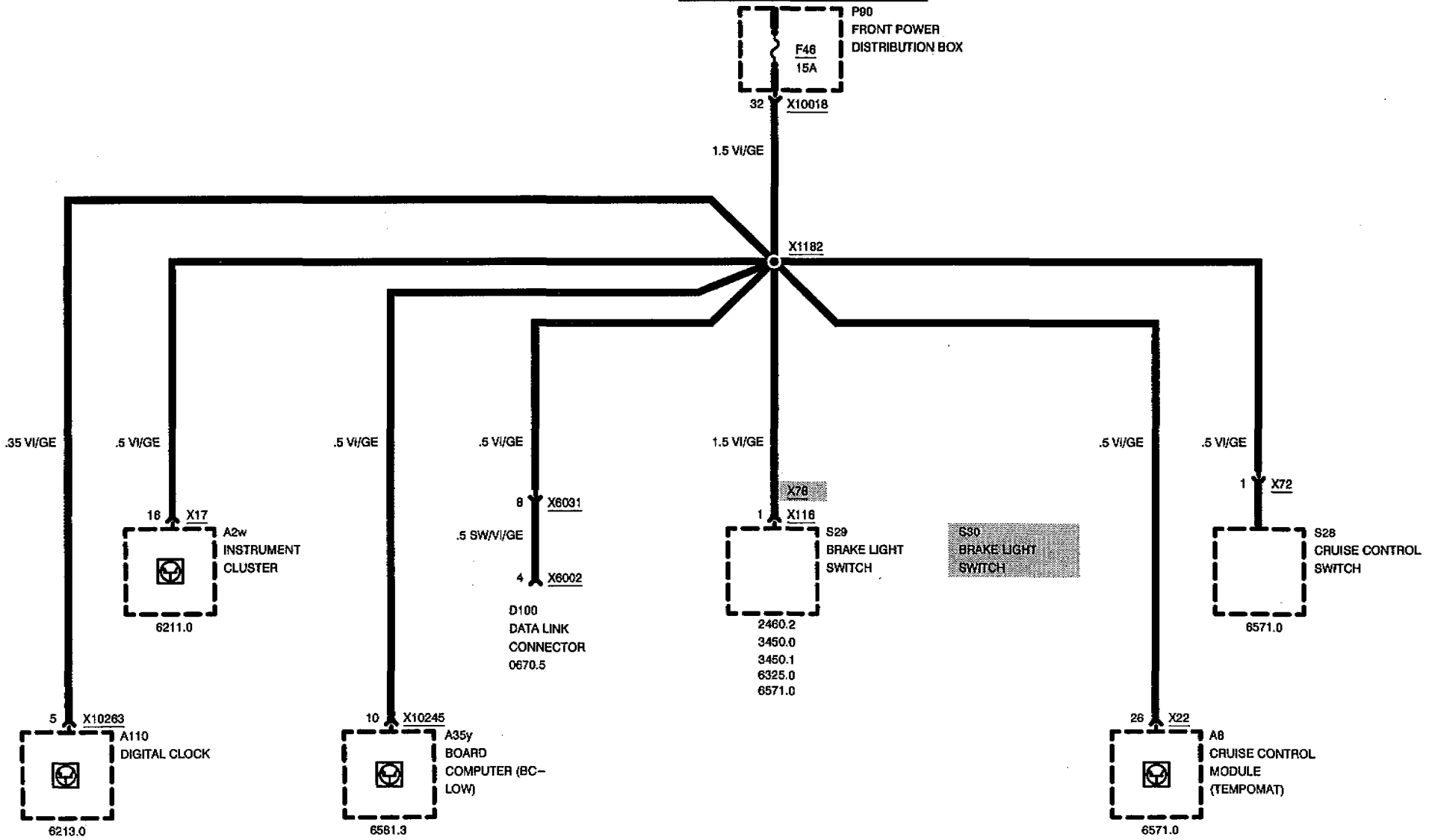




FUSE DETAILS

FUSE 46

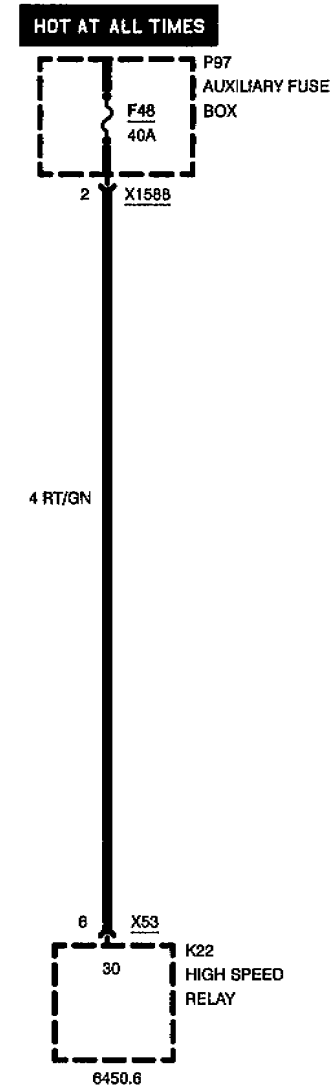
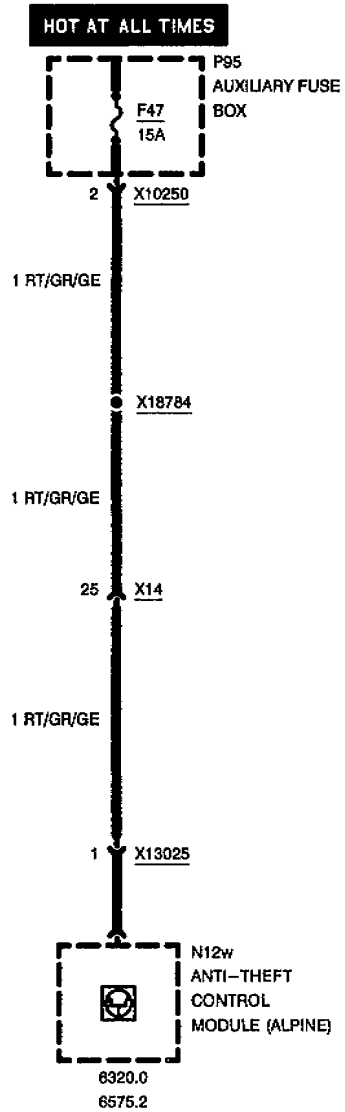
HOT IN ACCY, RUN AND START





FUSE DETAILS

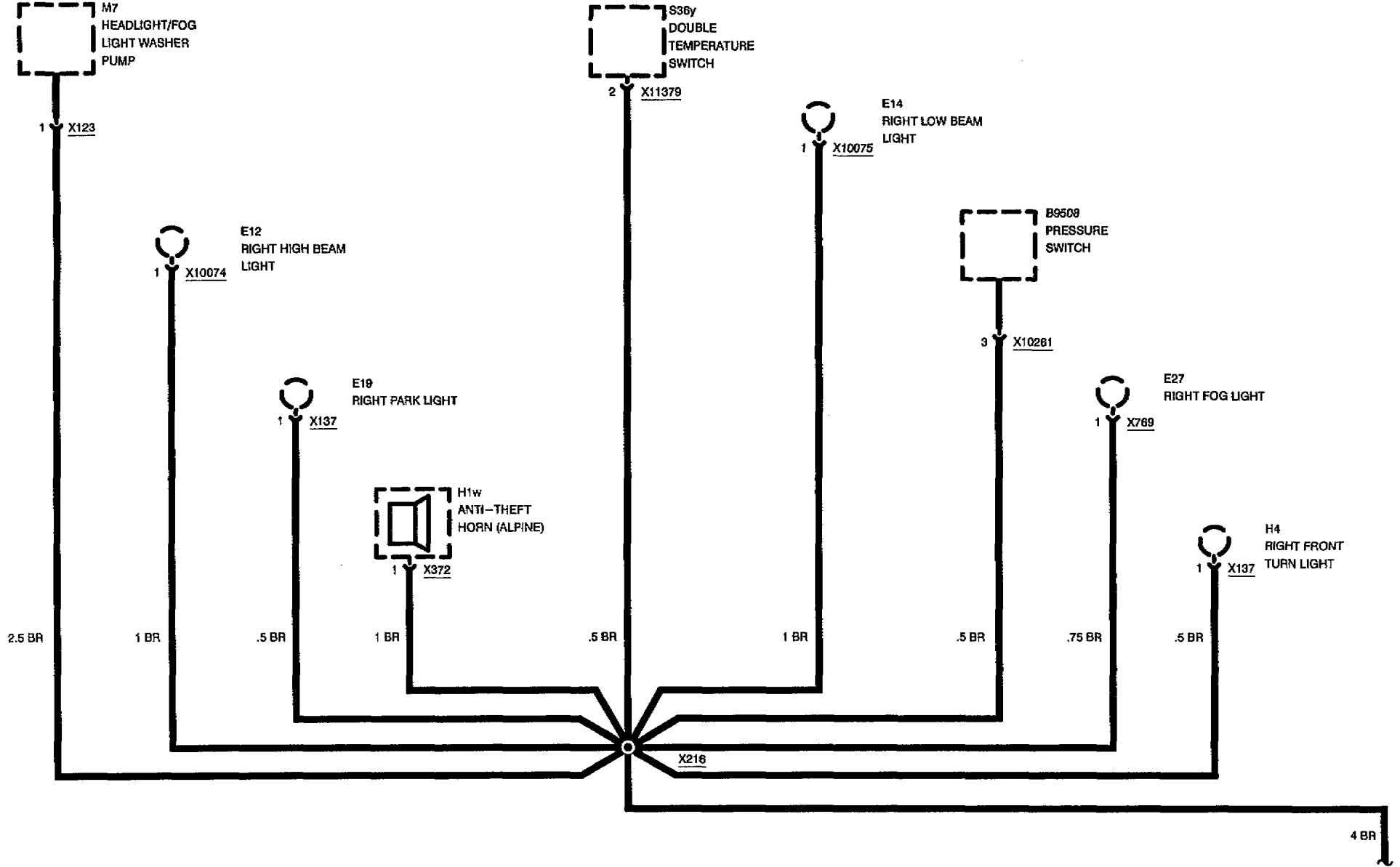
FUSES 47 AND 48

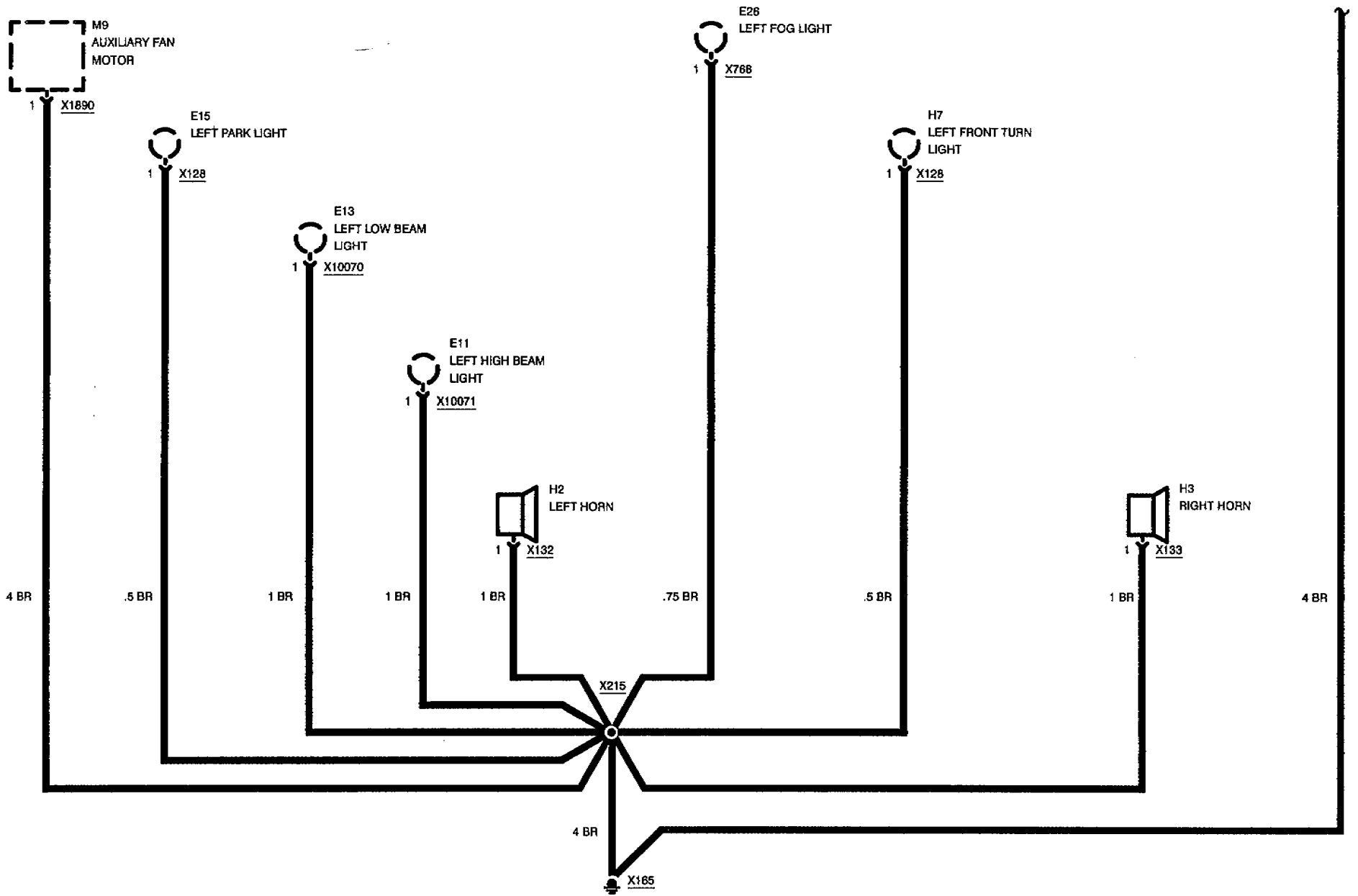




GROUND DISTRIBUTION

GROUND X165

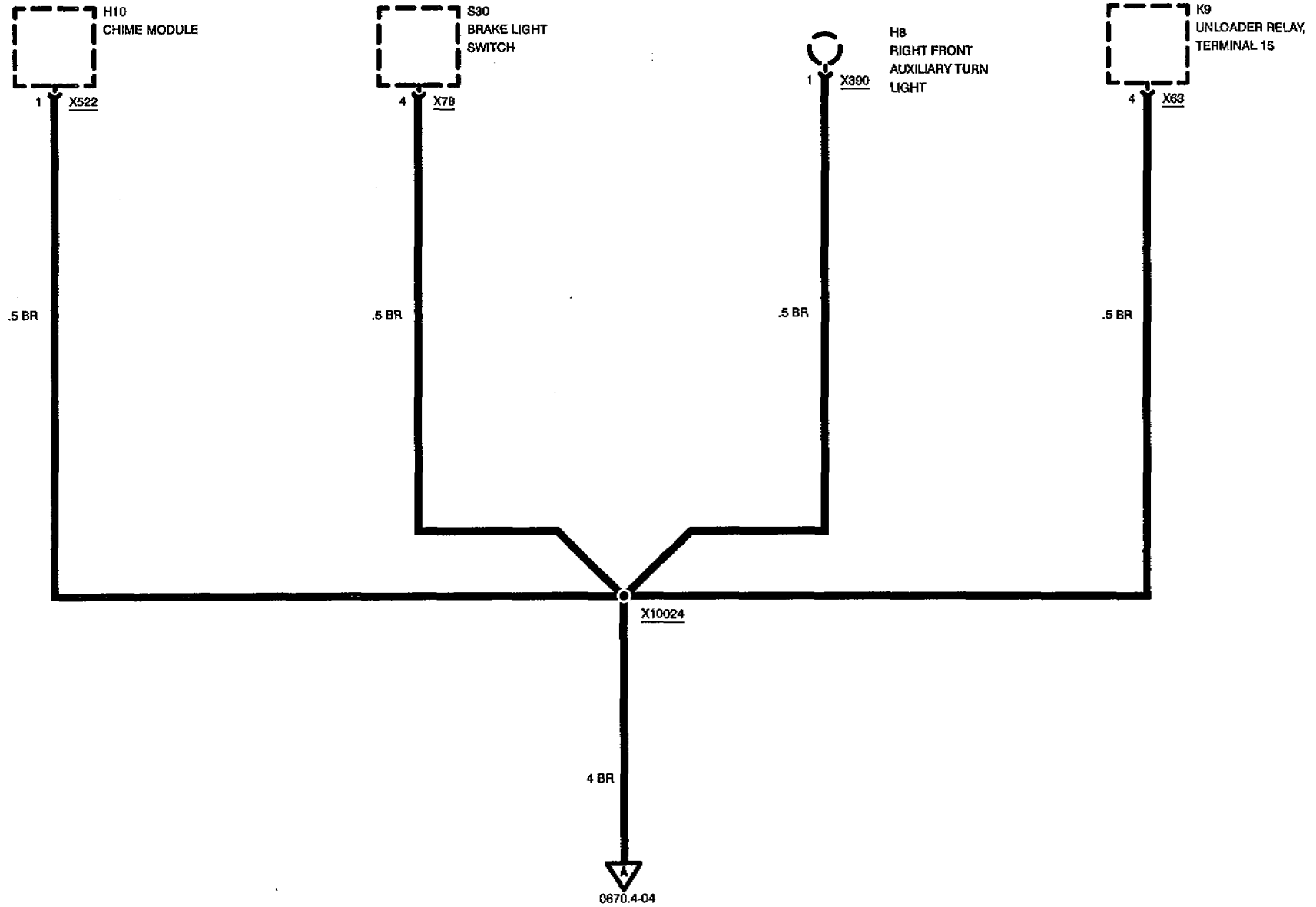






GROUND DISTRIBUTION

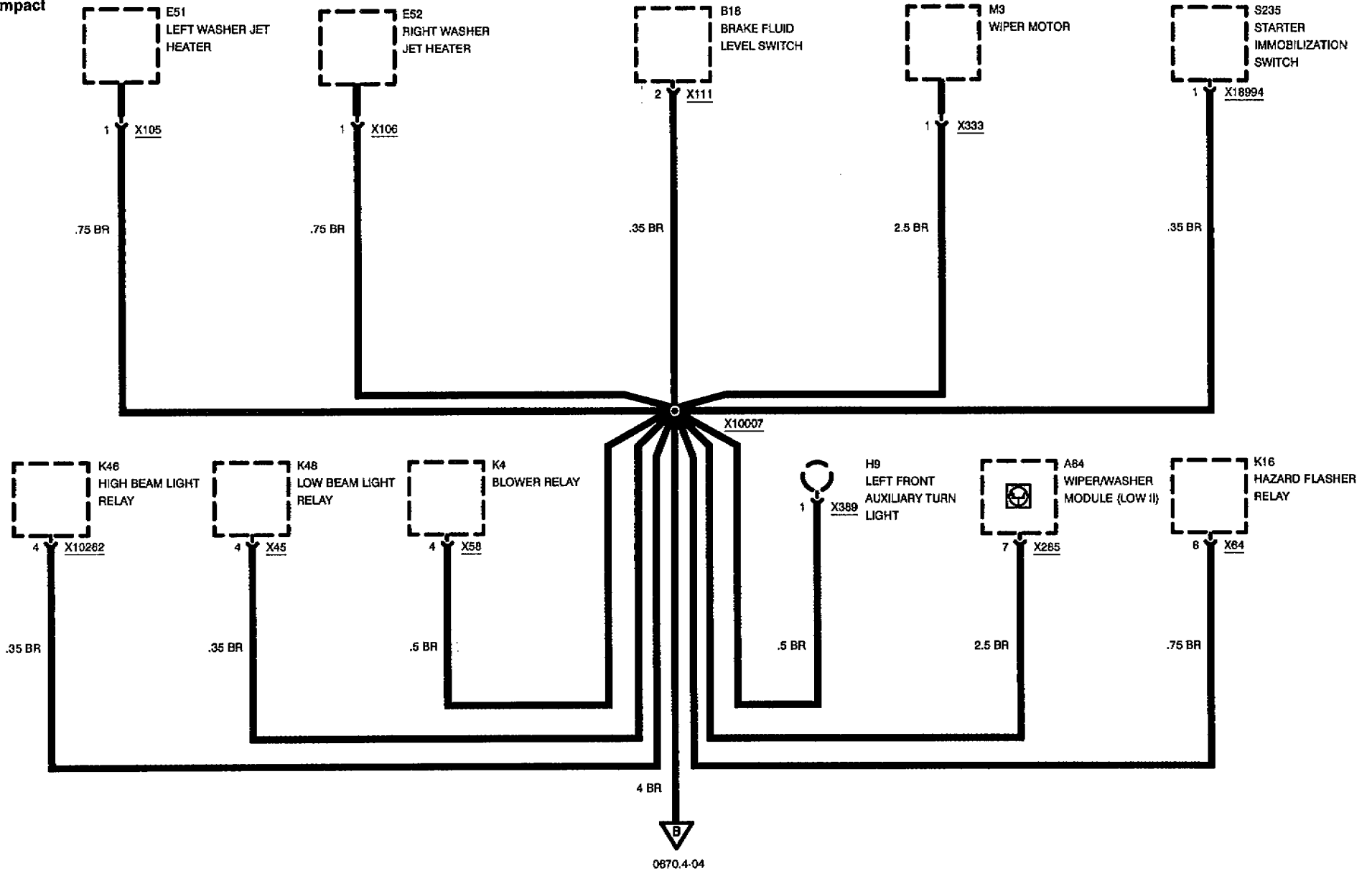
GROUND X173





GROUND DISTRIBUTION

GROUND X173

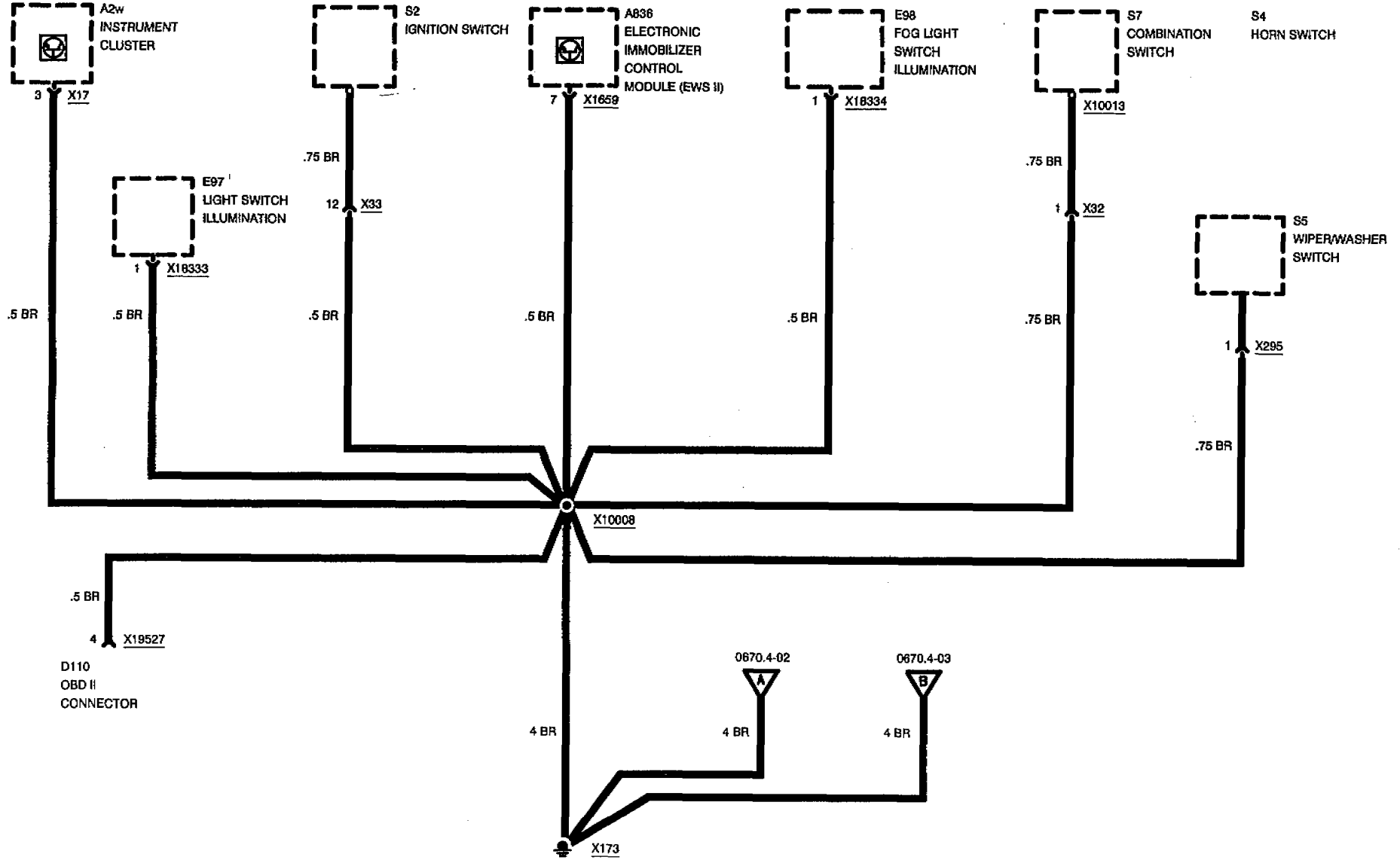


0670.4-04



GROUND DISTRIBUTION

GROUND X173

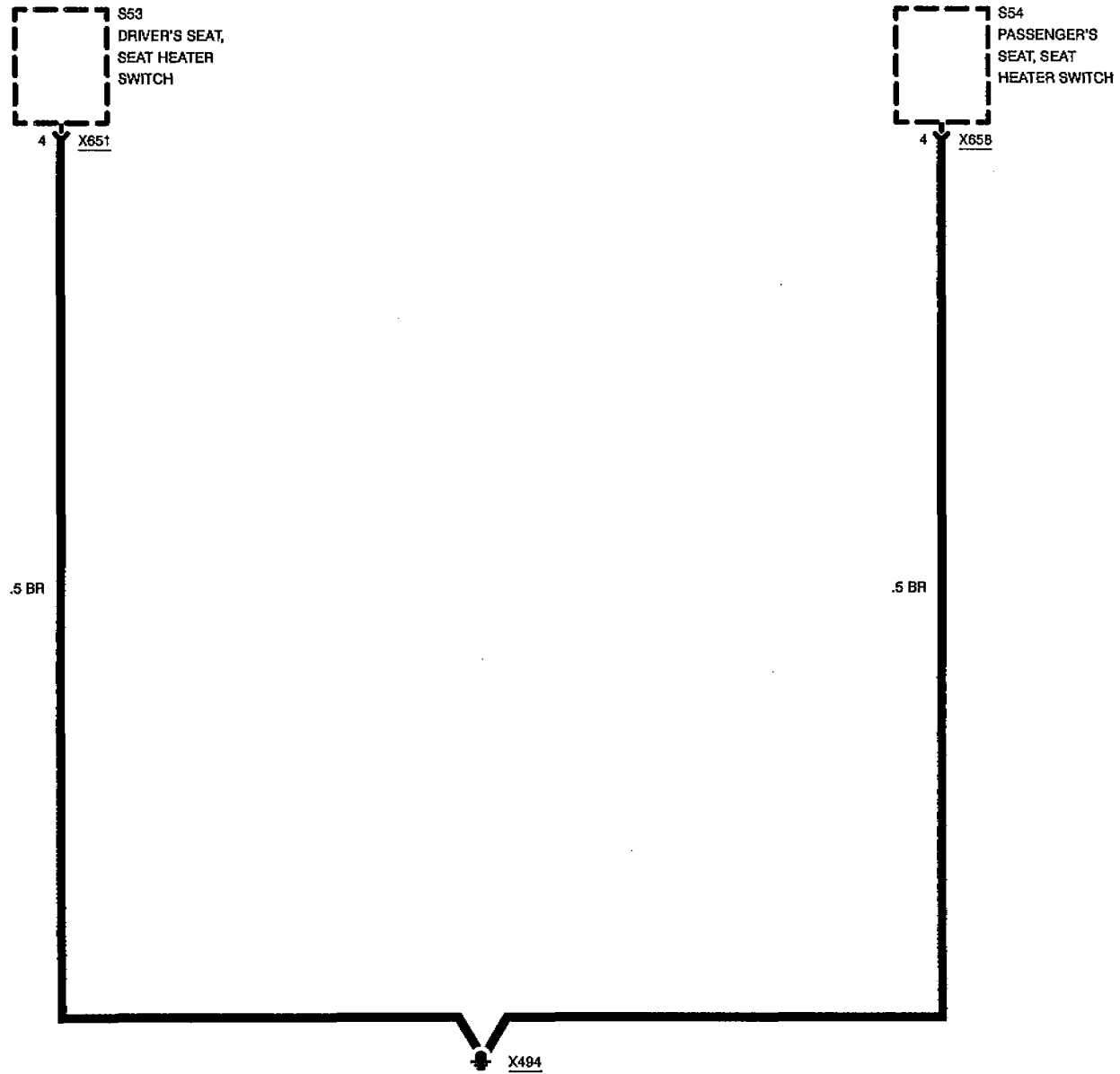




compact

GROUND DISTRIBUTION

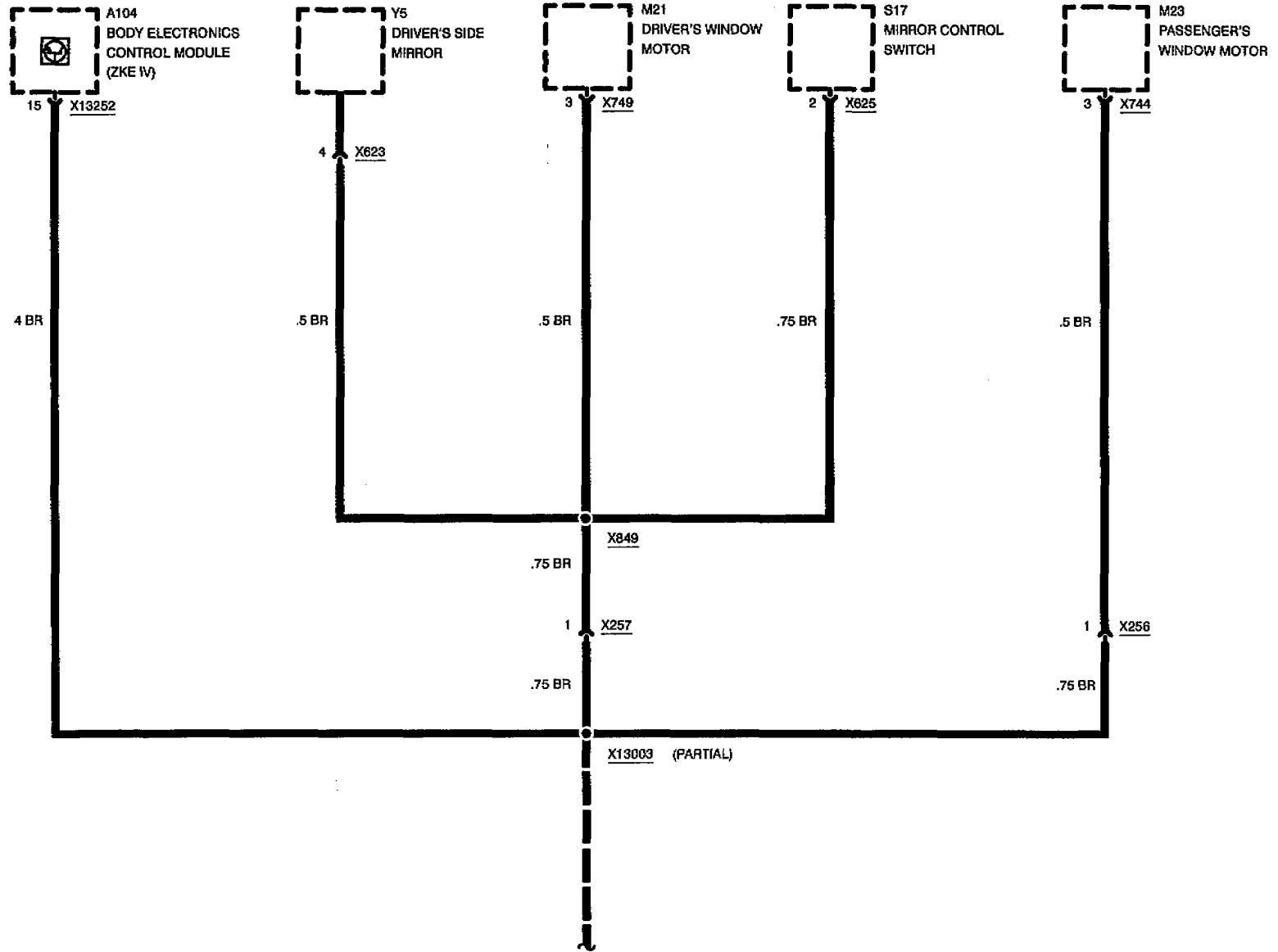
GROUND X494

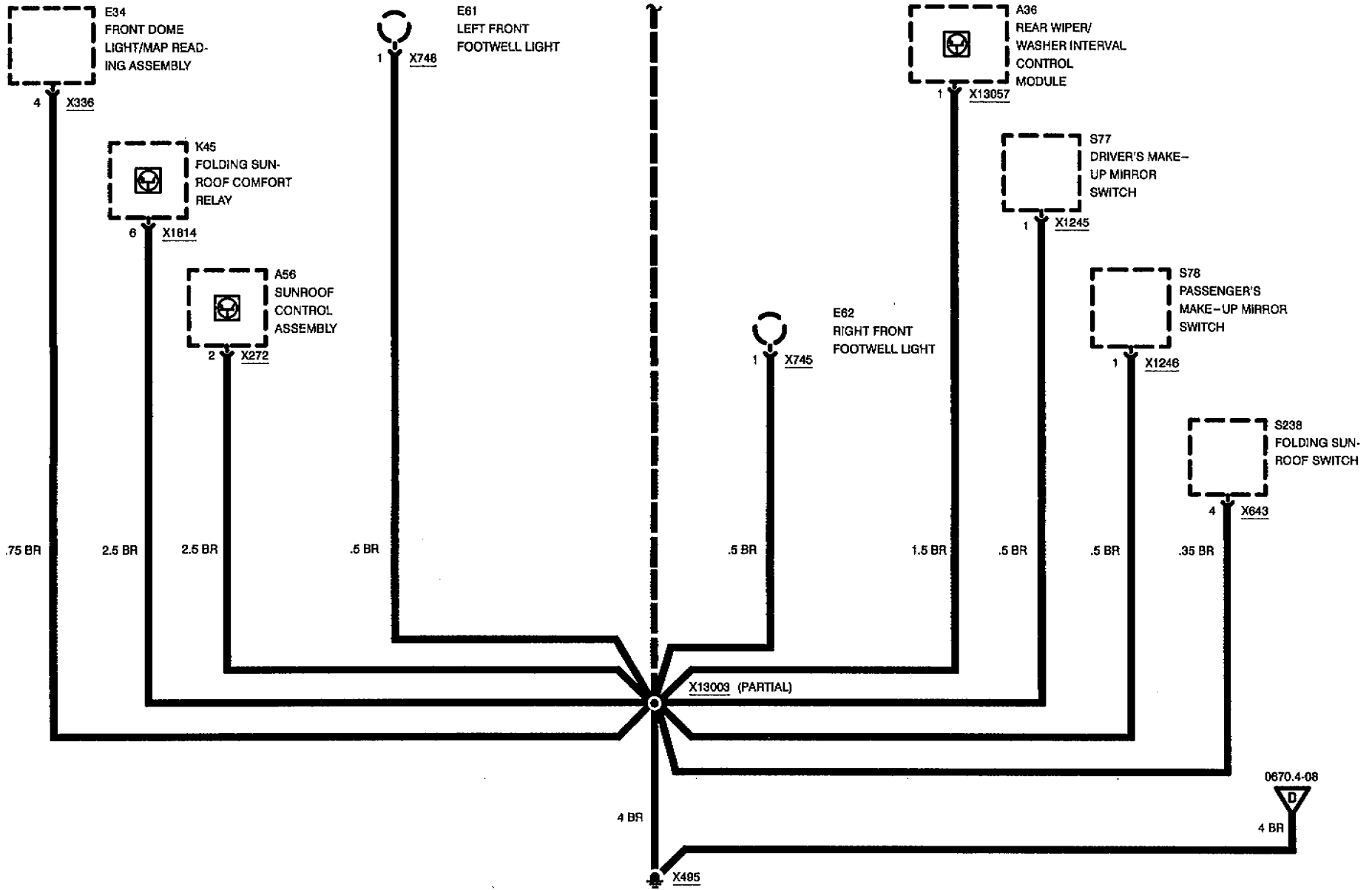




GROUND DISTRIBUTION

GROUND X495



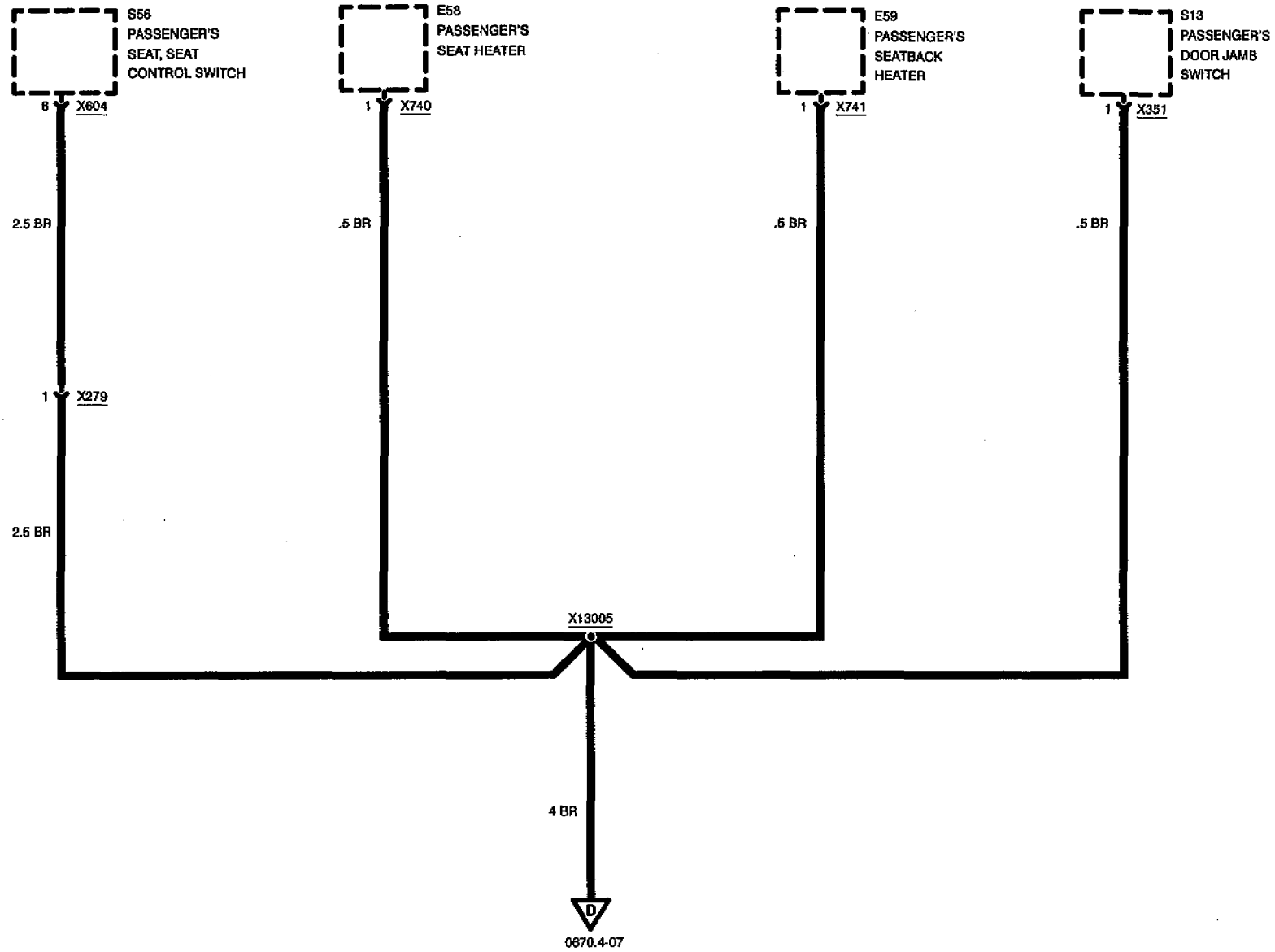




compact

GROUND DISTRIBUTION

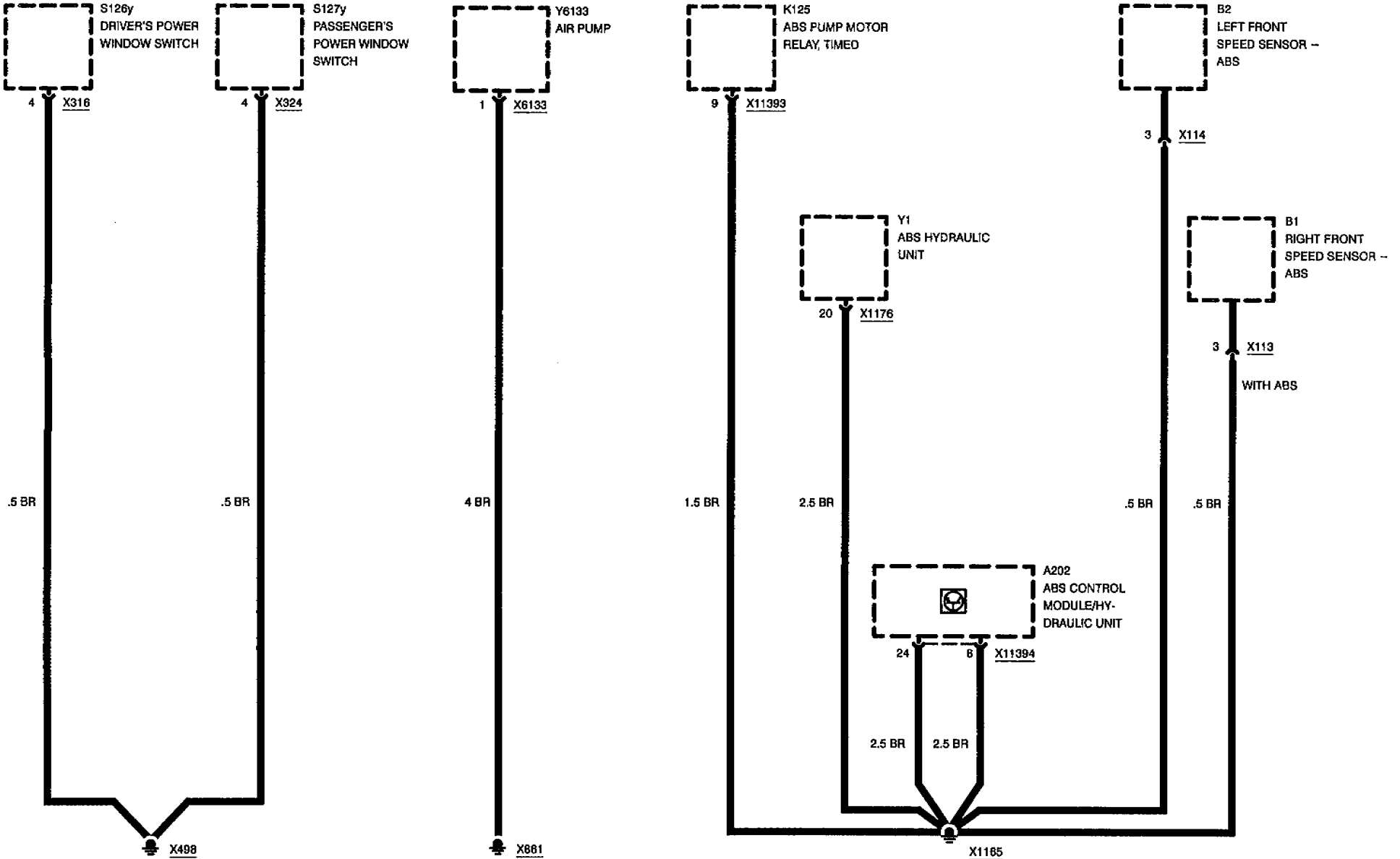
GROUND X495





GROUND DISTRIBUTION

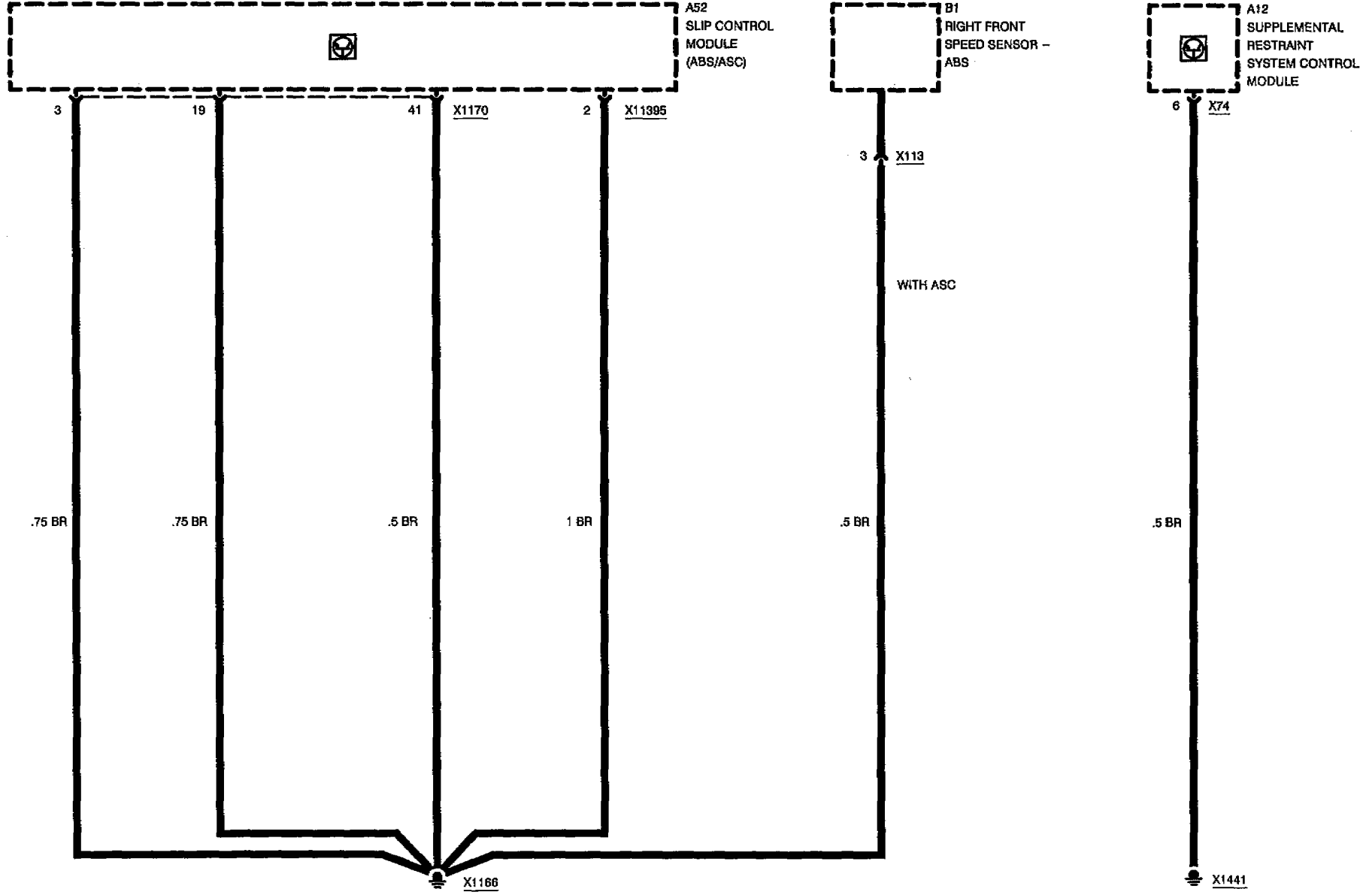
GROUNDS X498, X861, AND X1165





GROUND DISTRIBUTION

GROUNDS X1166 AND X1441



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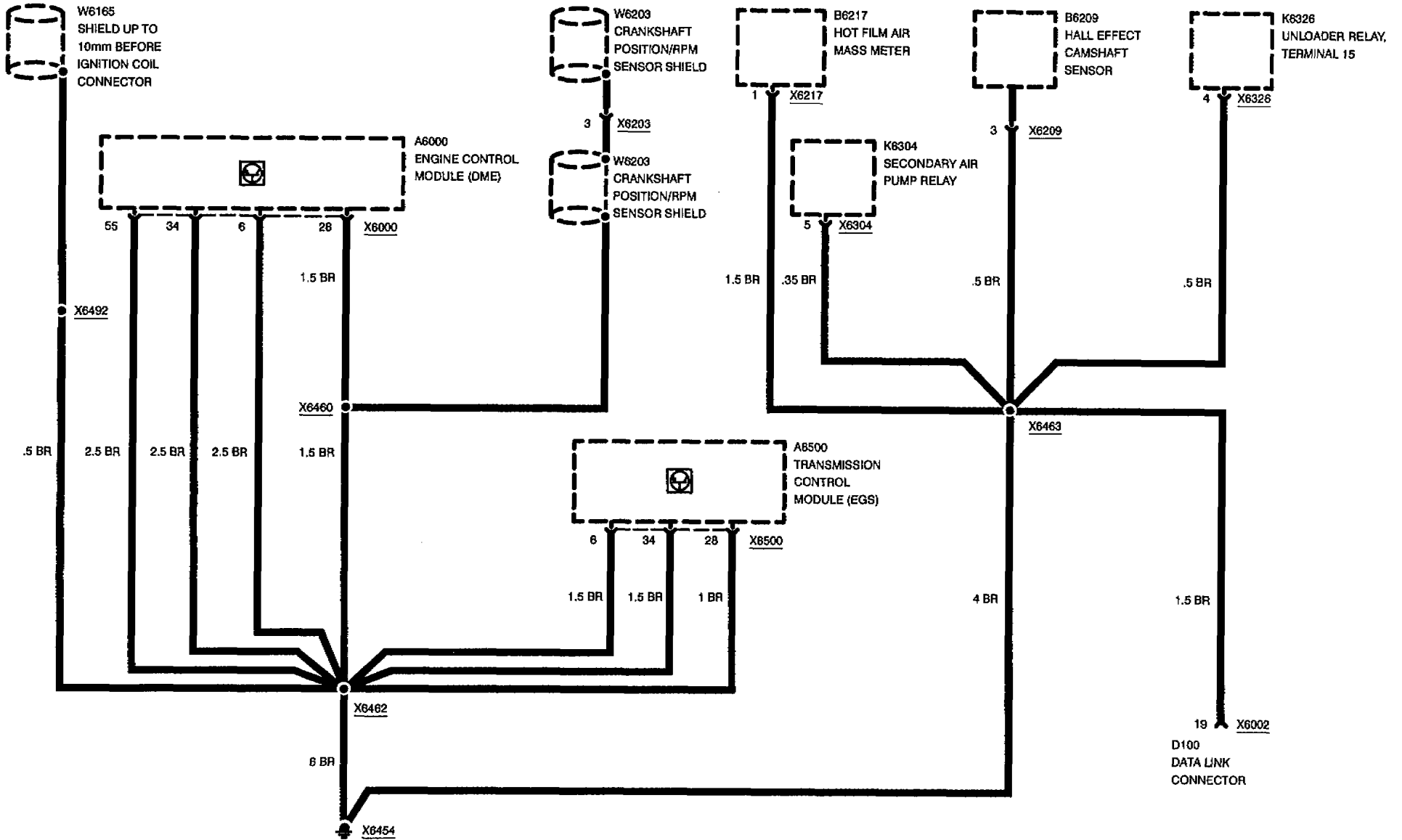
0670.4-10

1998



GROUND DISTRIBUTION

GROUND X6454



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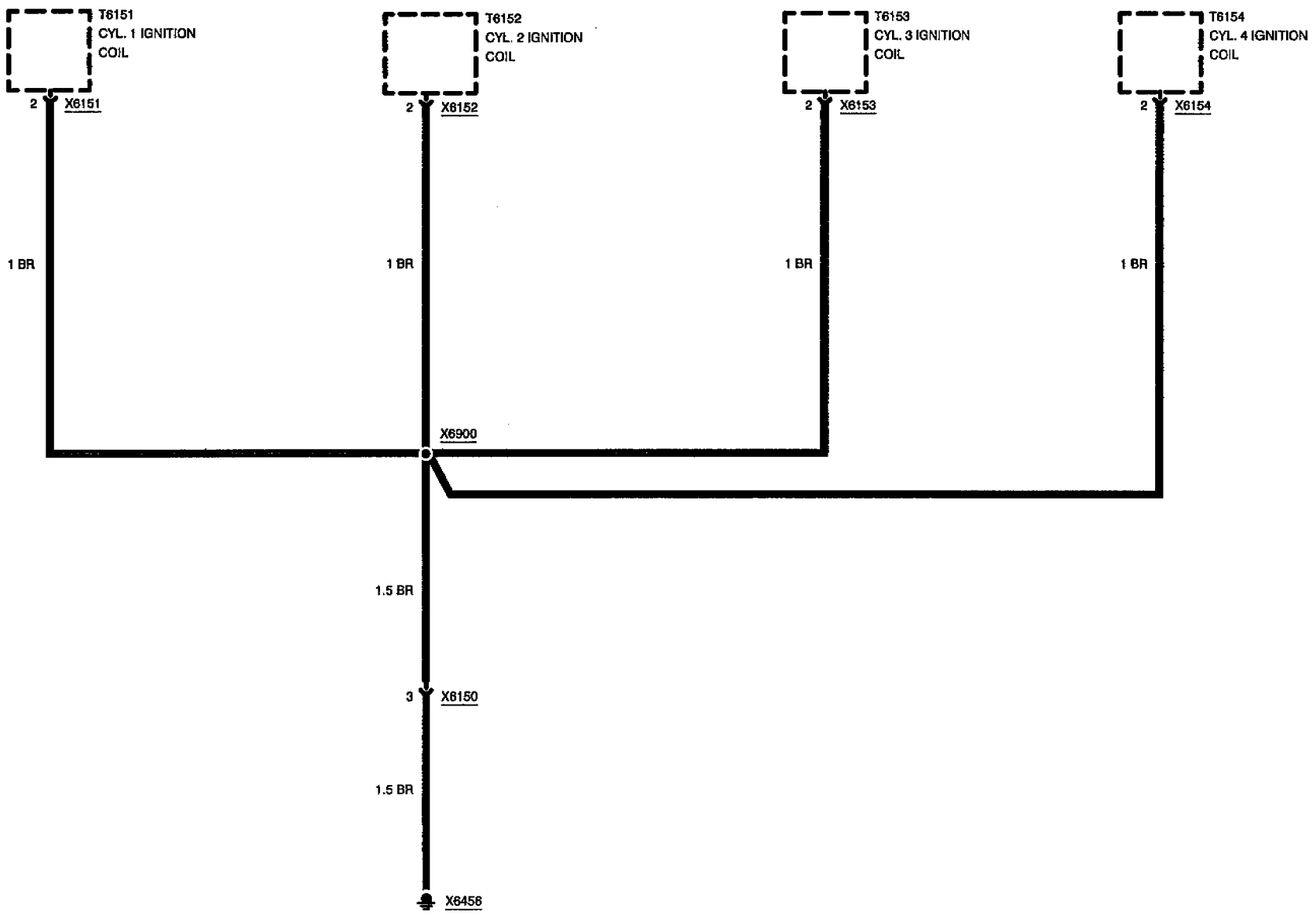
0670.4-11

1998



GROUND DISTRIBUTION

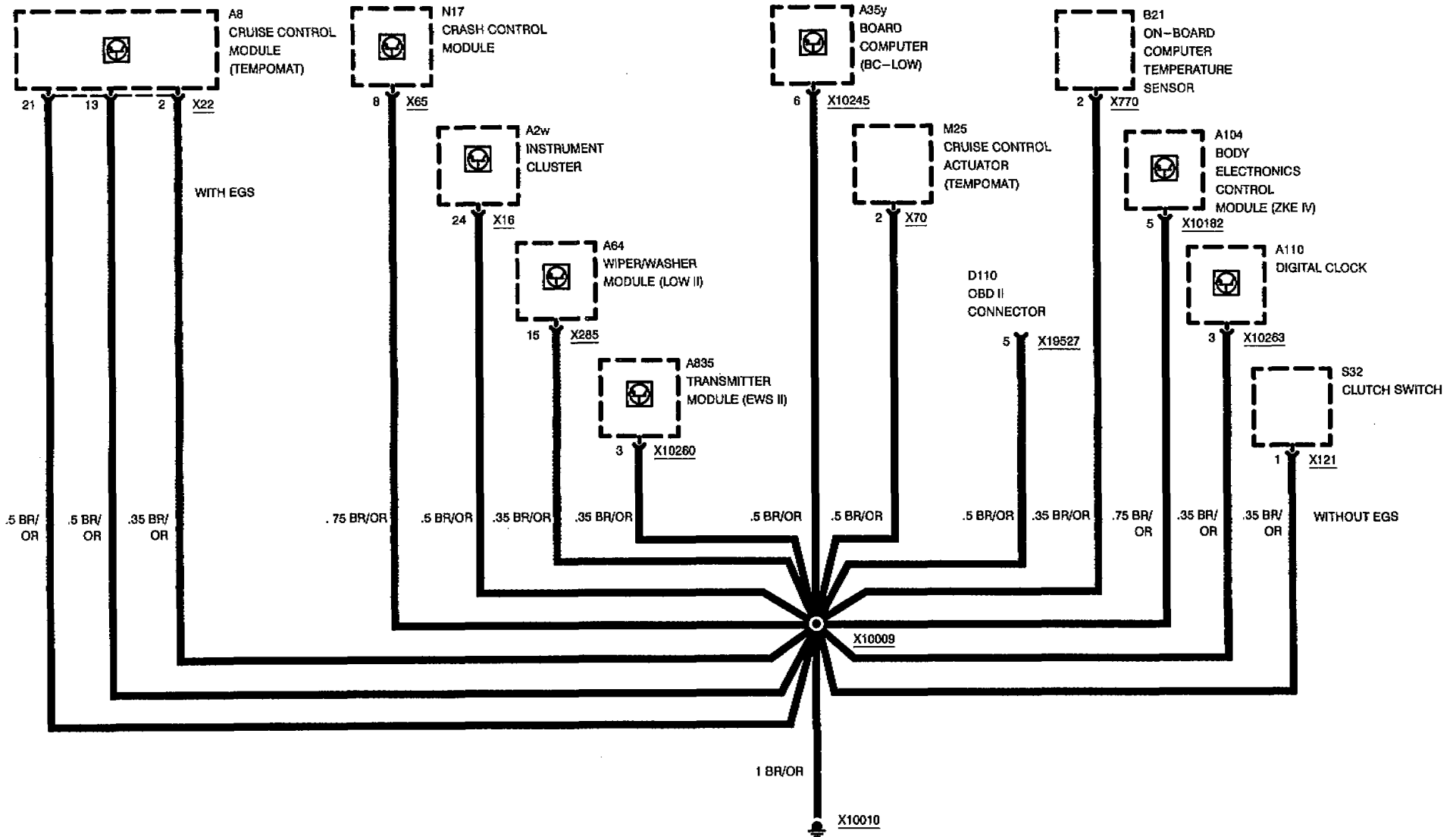
GROUND X6456





GROUND DISTRIBUTION

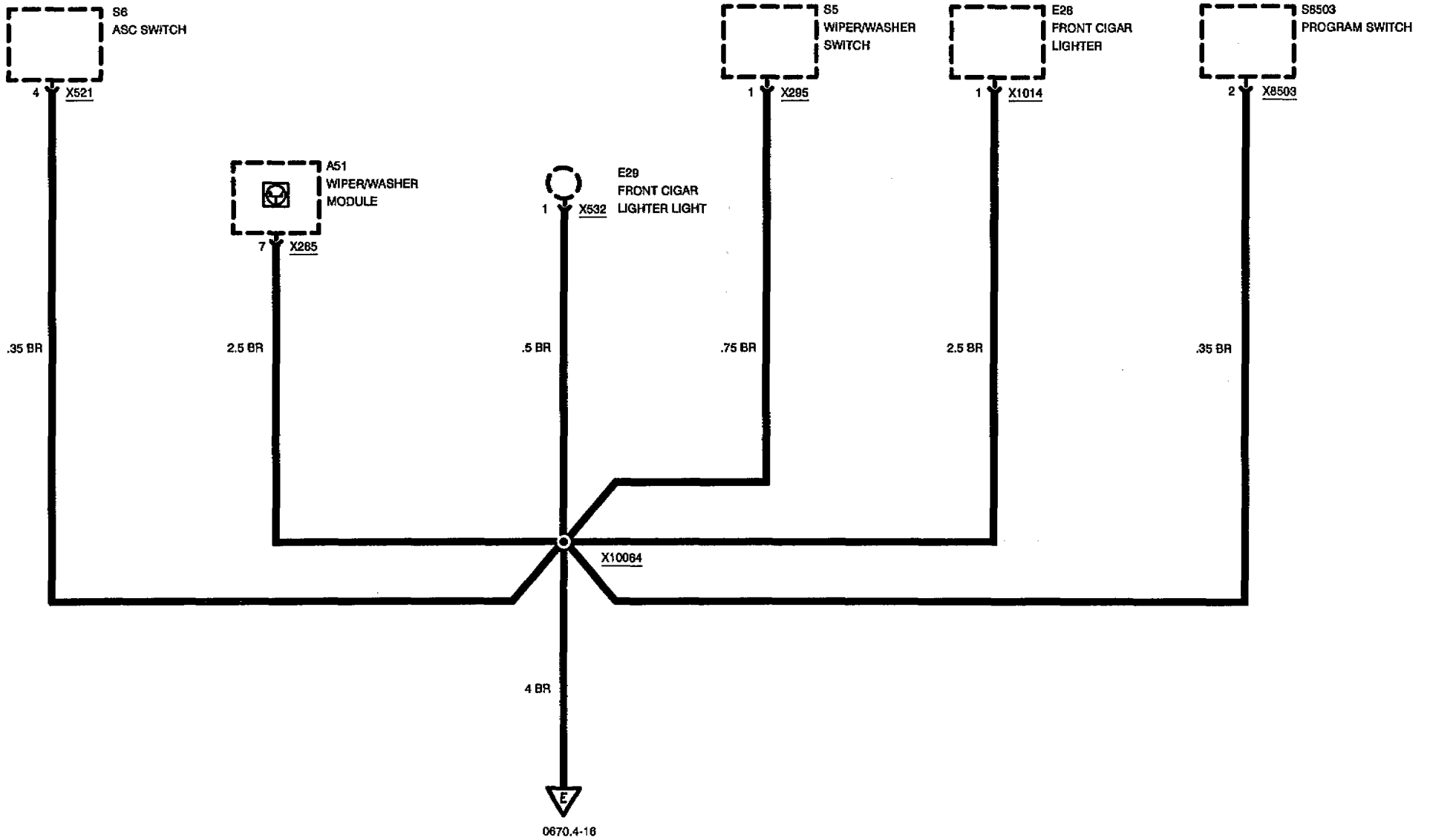
GROUND X10010





GROUND DISTRIBUTION

GROUND X10012

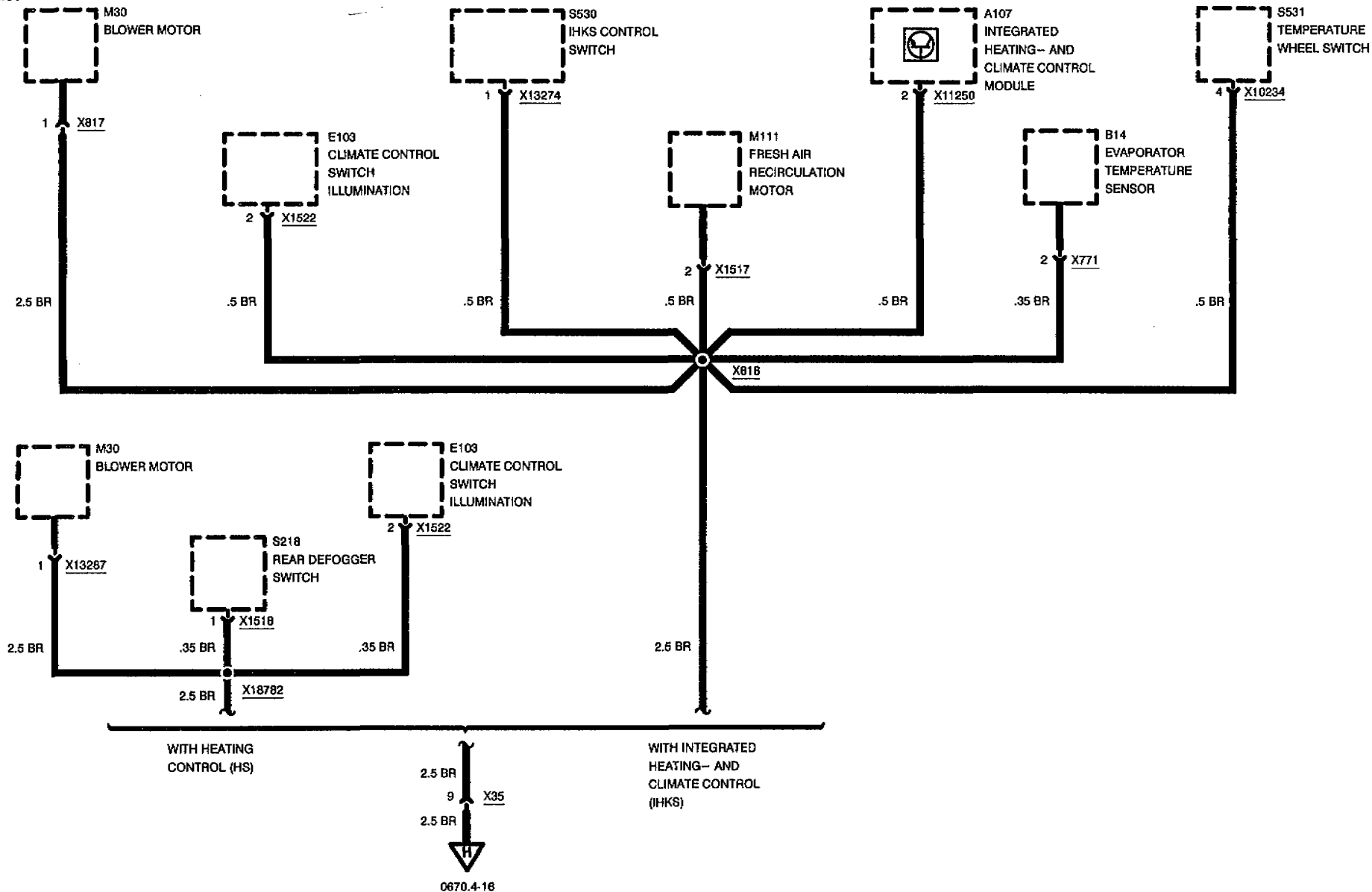




compact

GROUND DISTRIBUTION

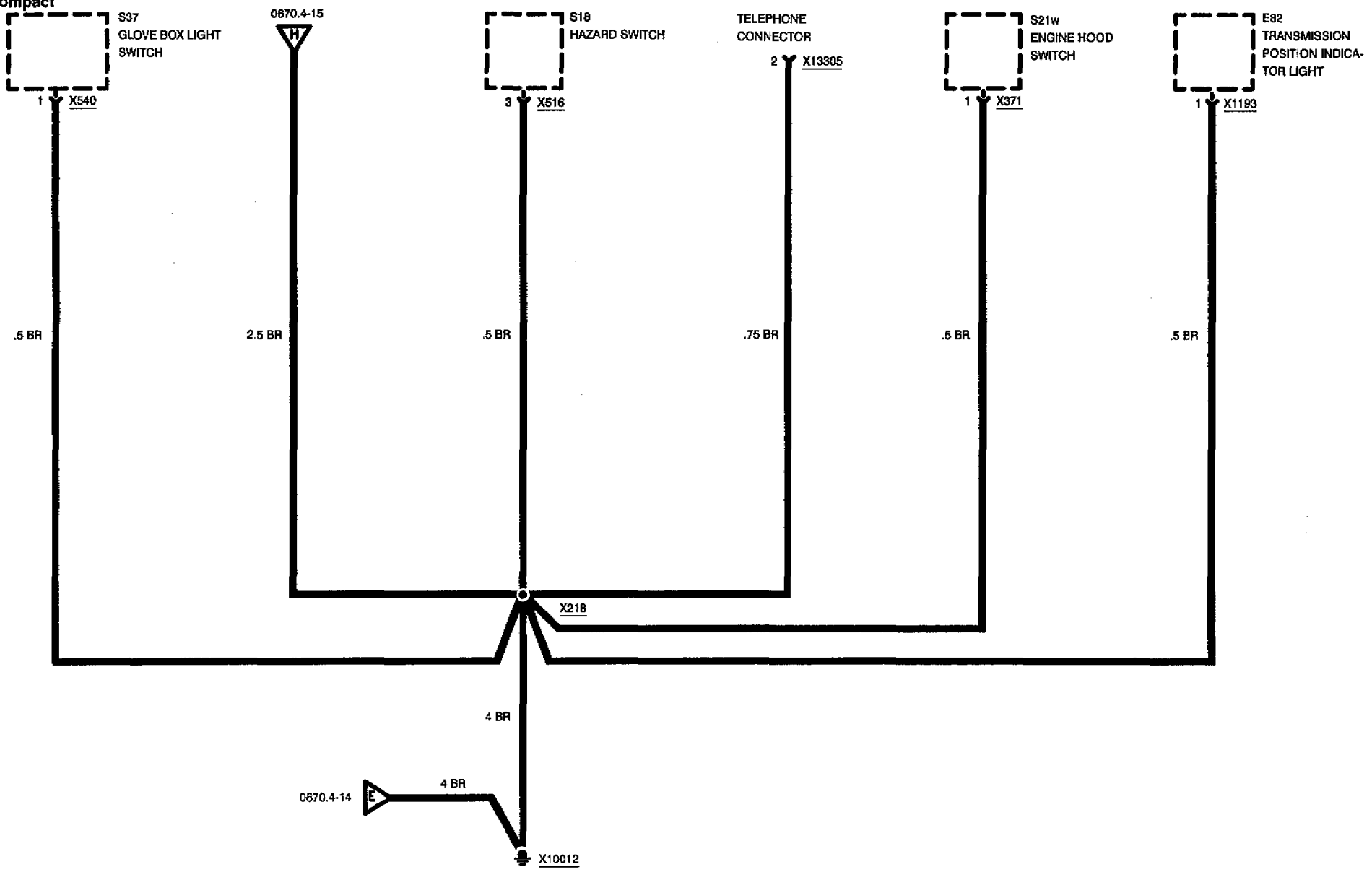
GROUND X10012





GROUND DISTRIBUTION

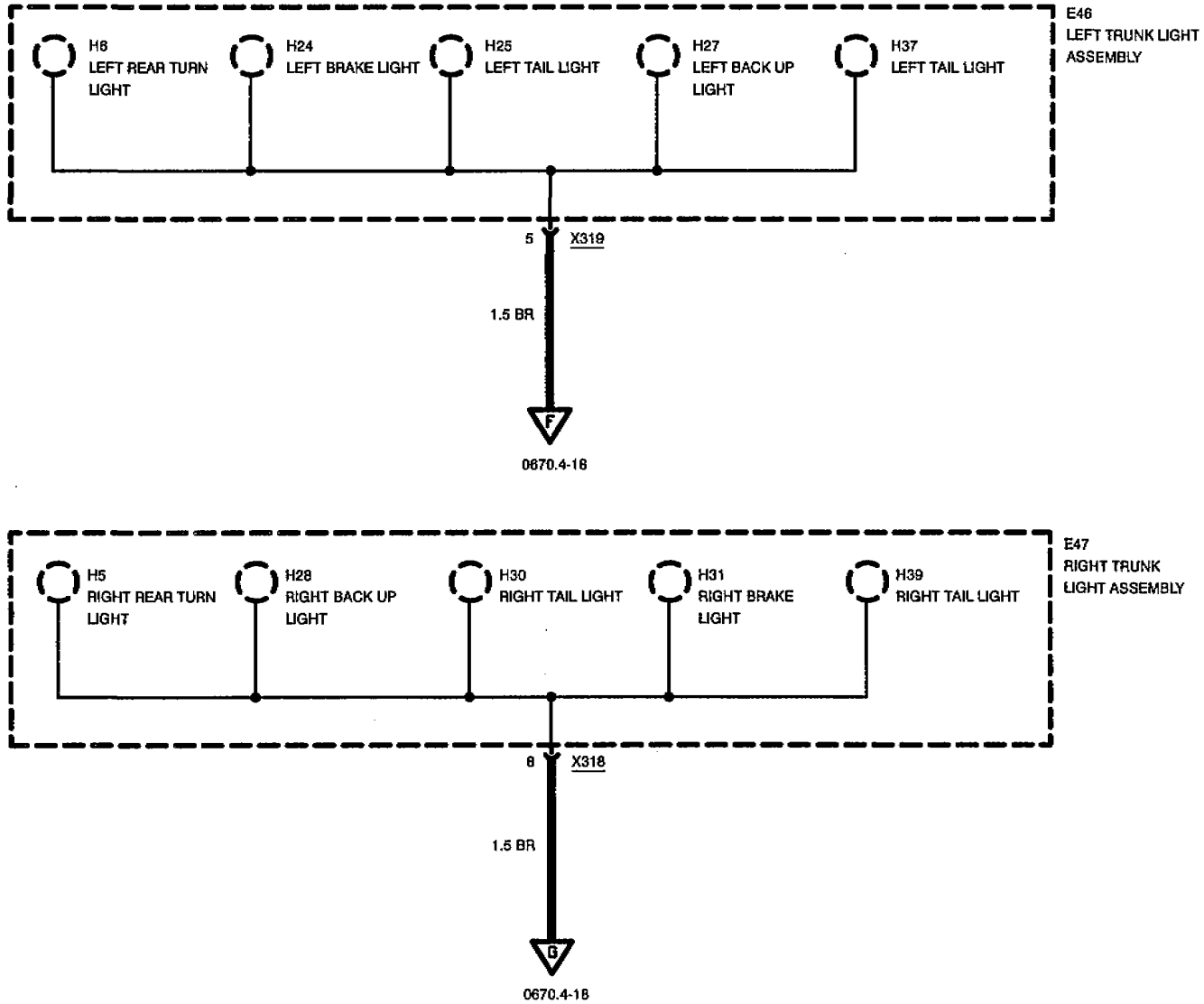
GROUND X10012





GROUND DISTRIBUTION

GROUND X13006

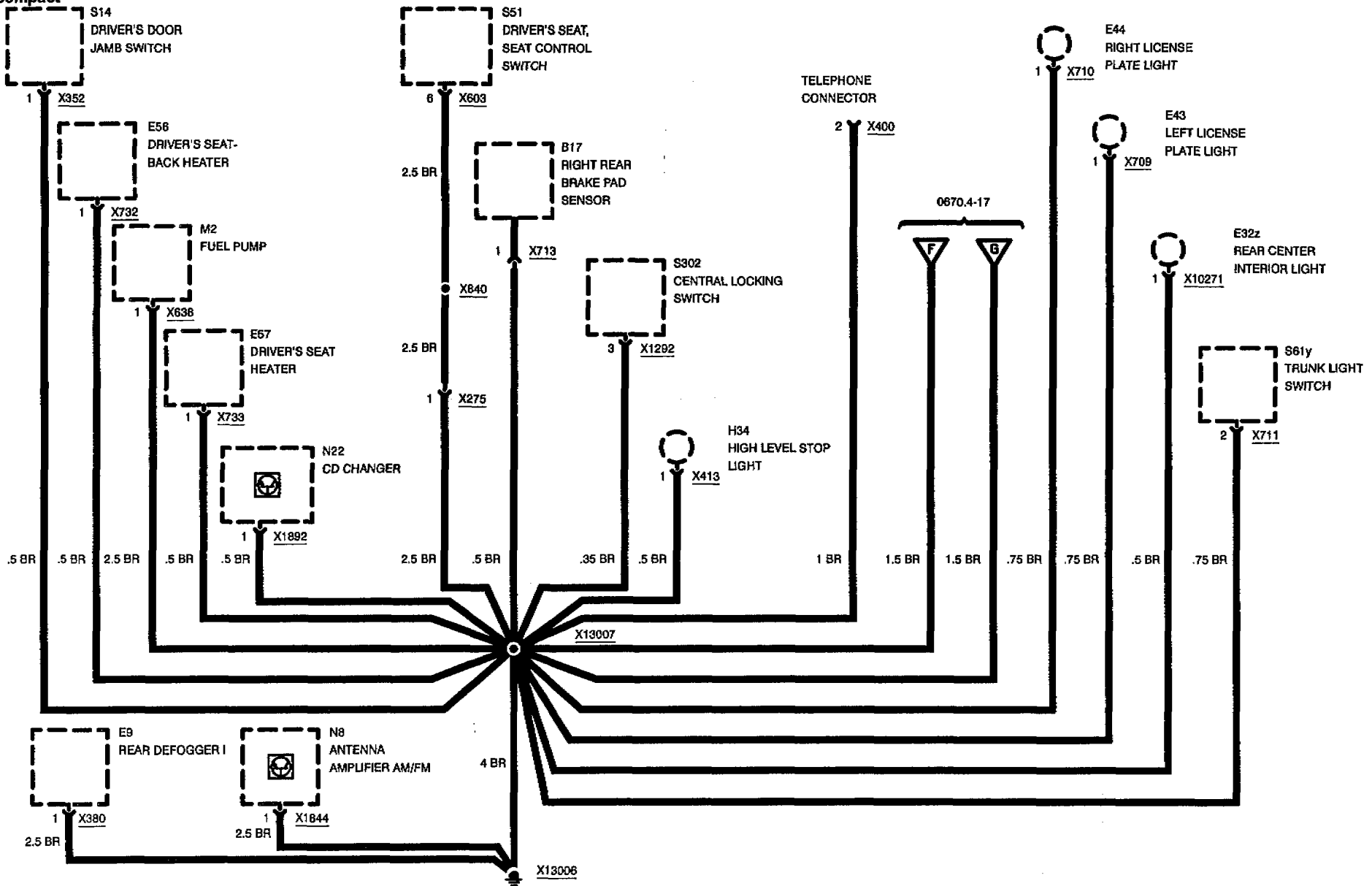




GROUND DISTRIBUTION

GROUND X13006

compact



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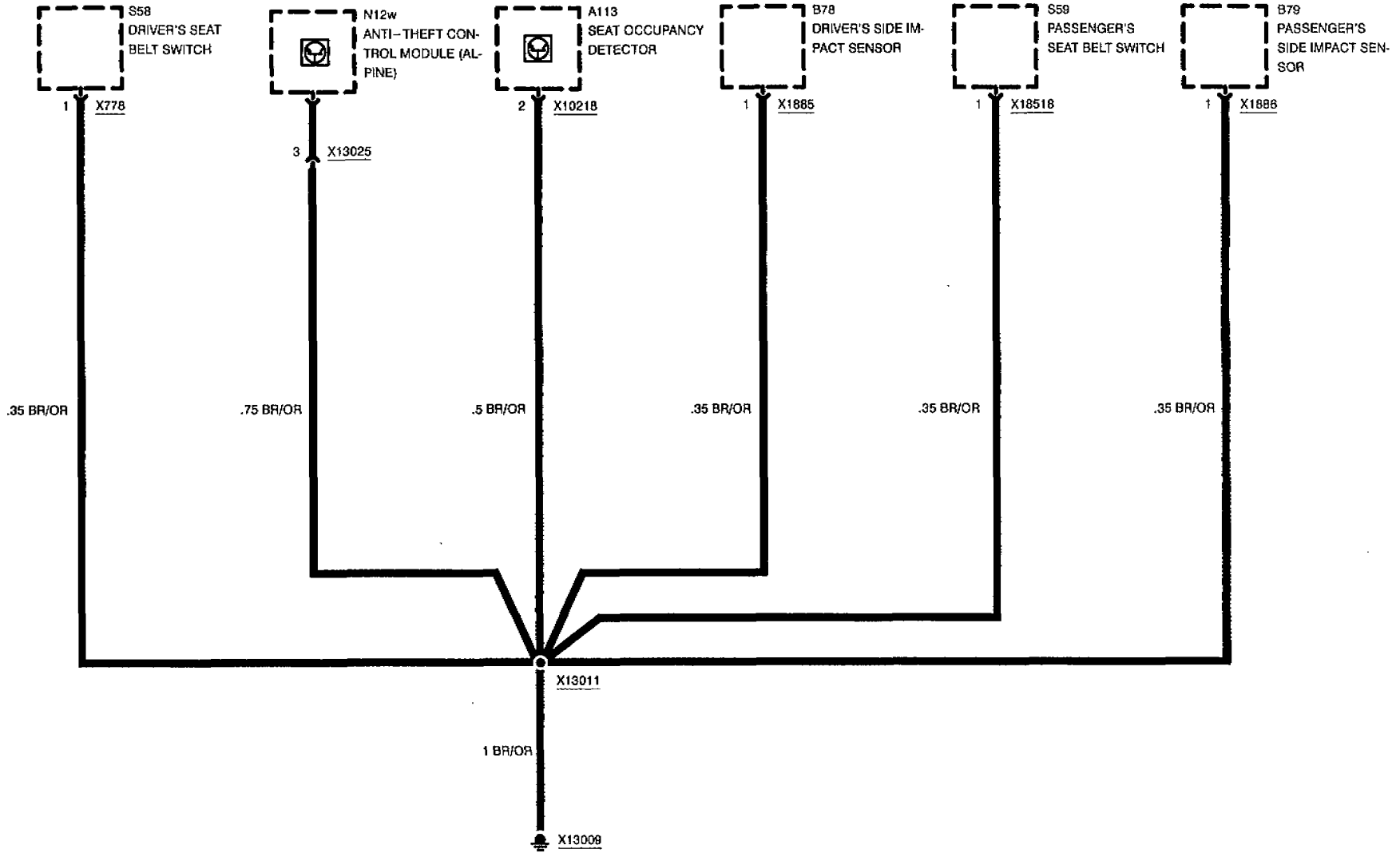
0670.4-18

1998



GROUND DISTRIBUTION

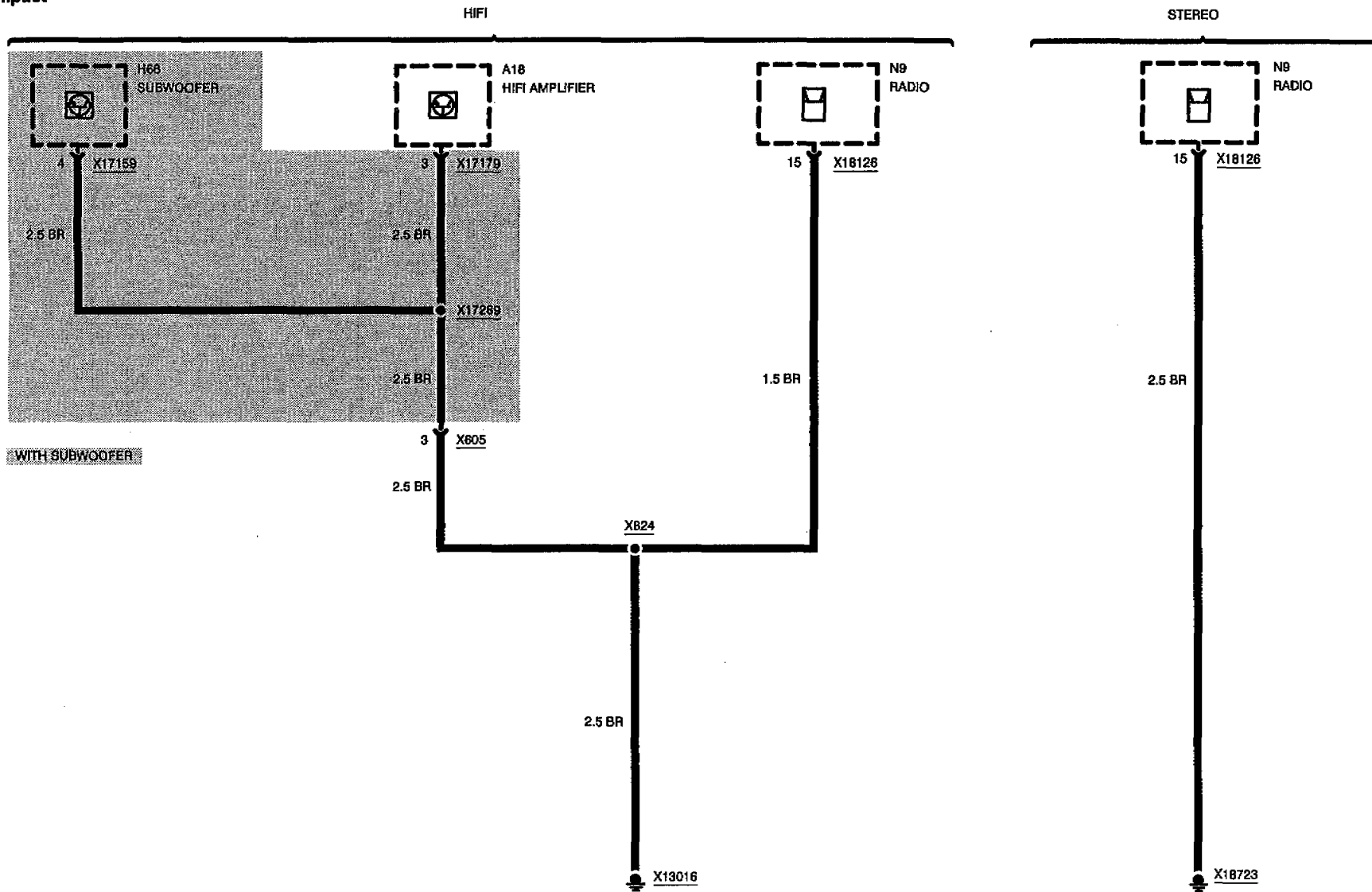
GROUND X13009





GROUND DISTRIBUTION

GROUNDS X13016 AND X18723

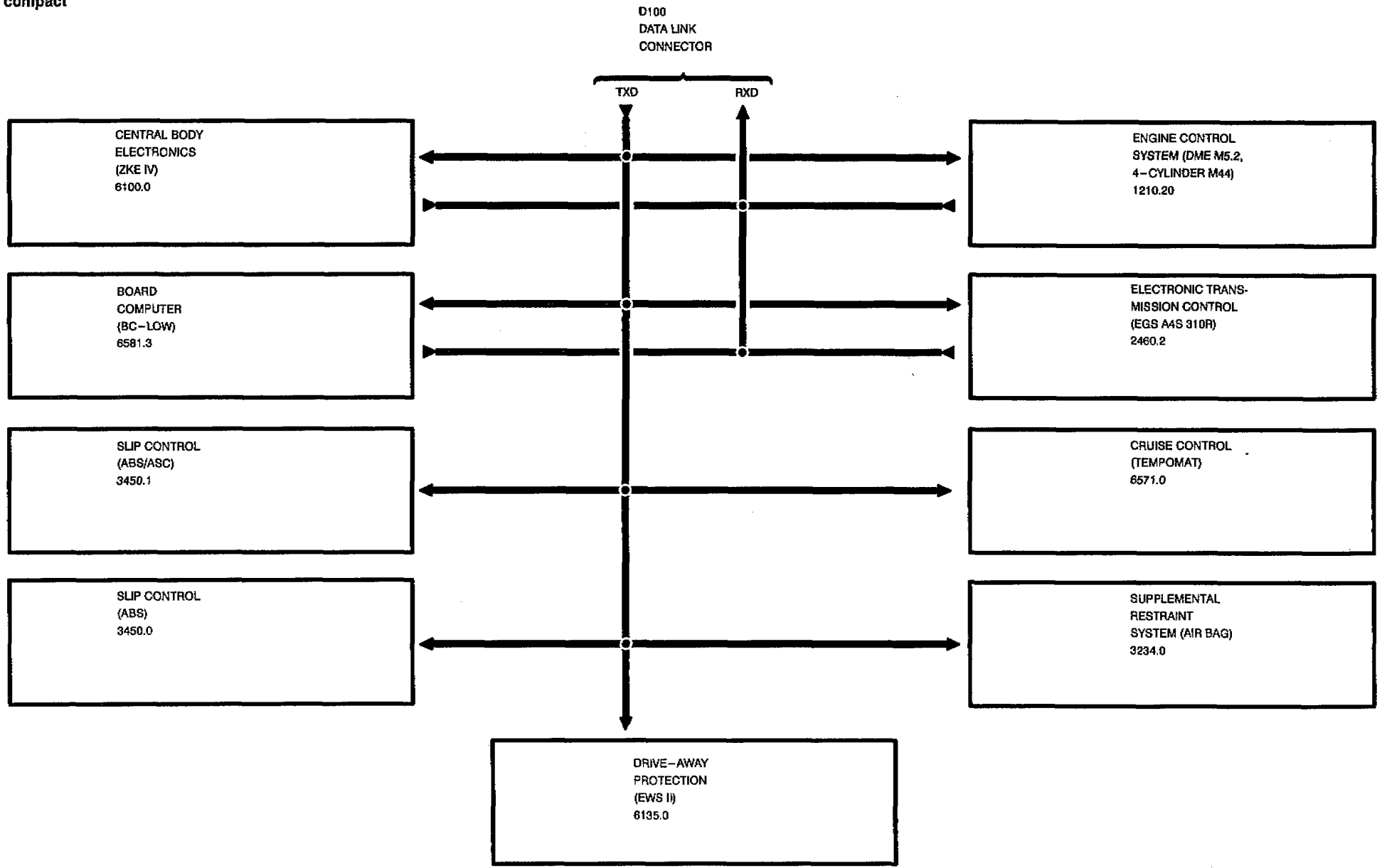






DATA LINK BLOCK DIAGRAM

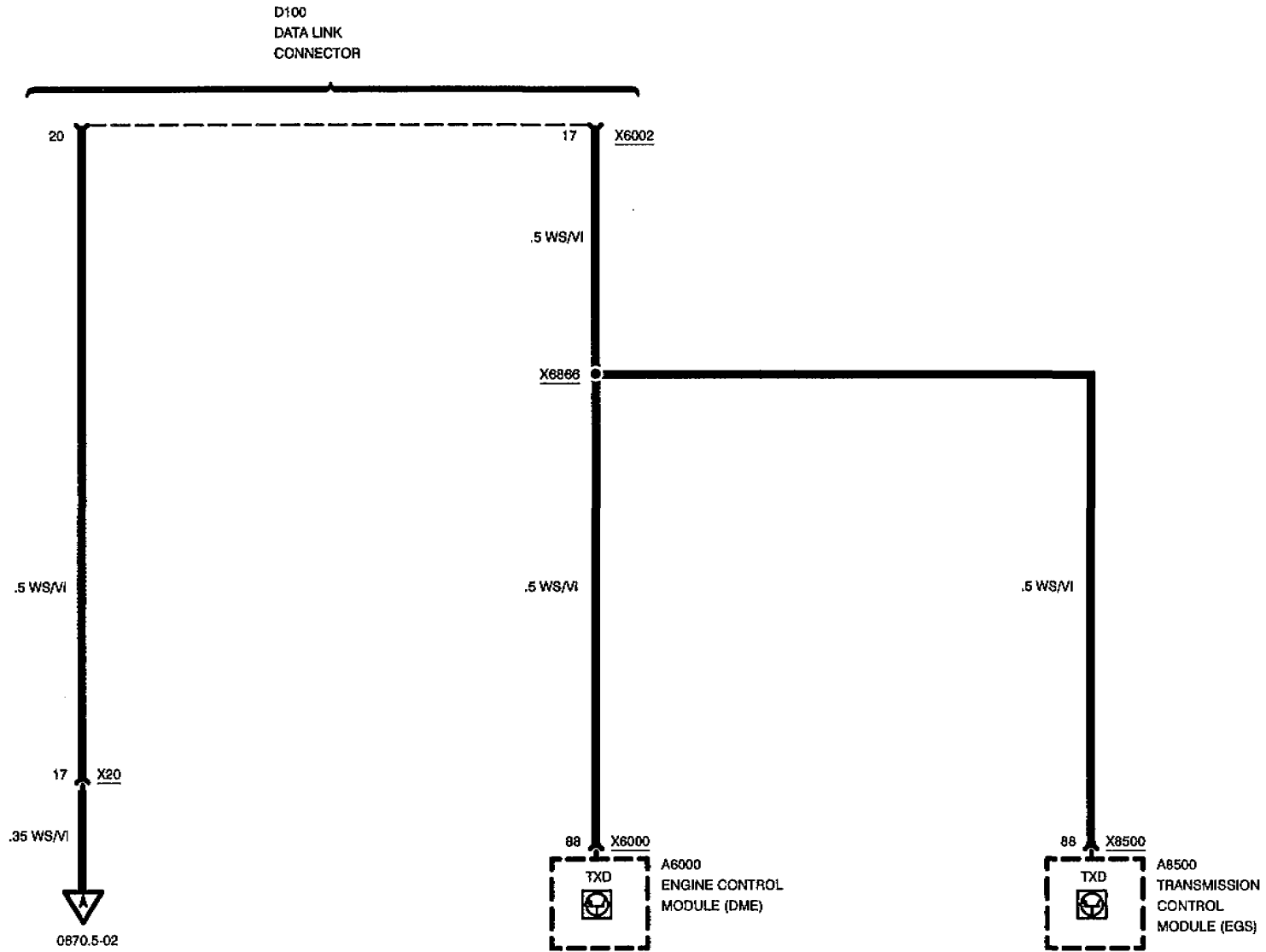
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DATA LINK

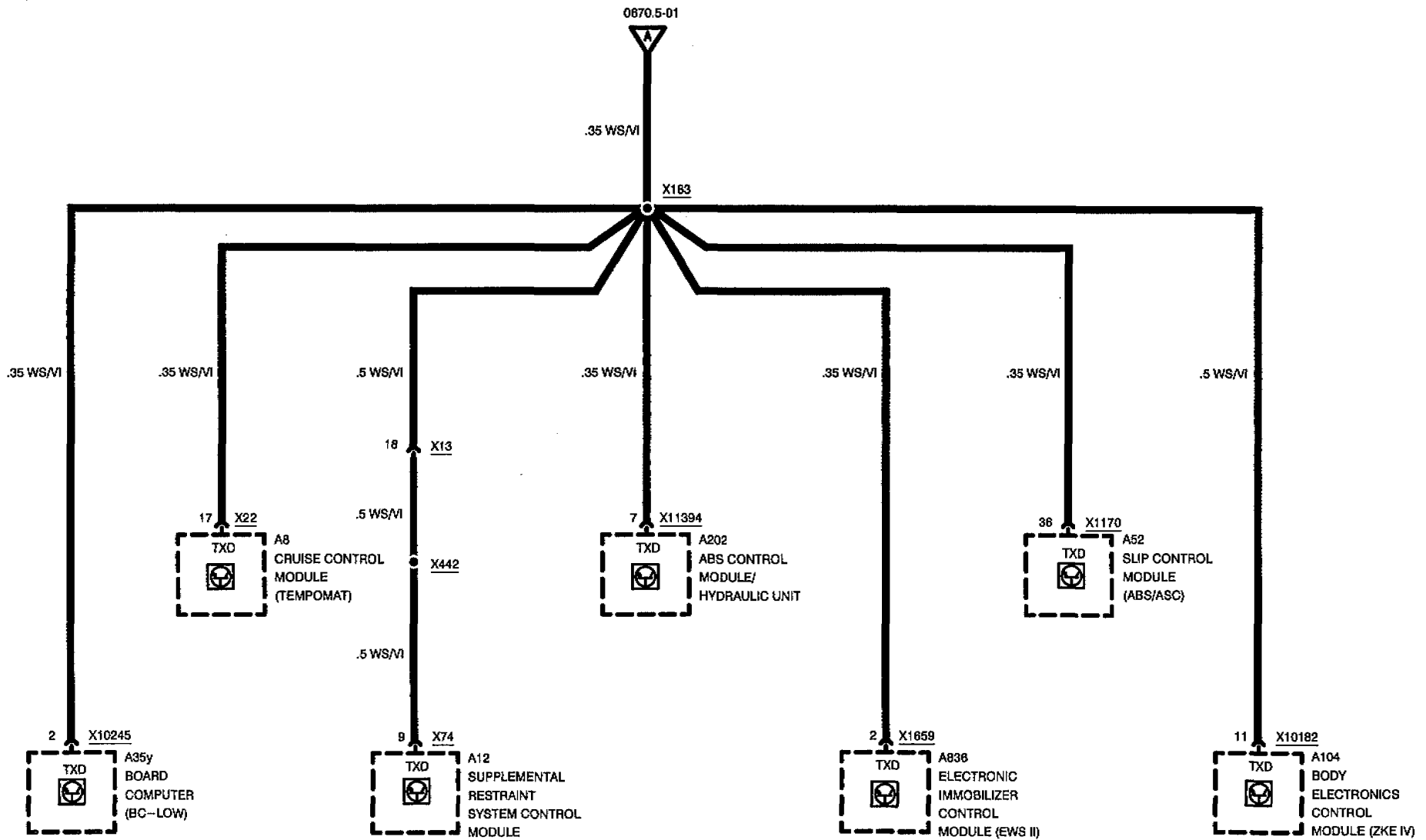
TXD, DATA LINK CONNECTOR, PINS 17 AND 20





DATA LINK

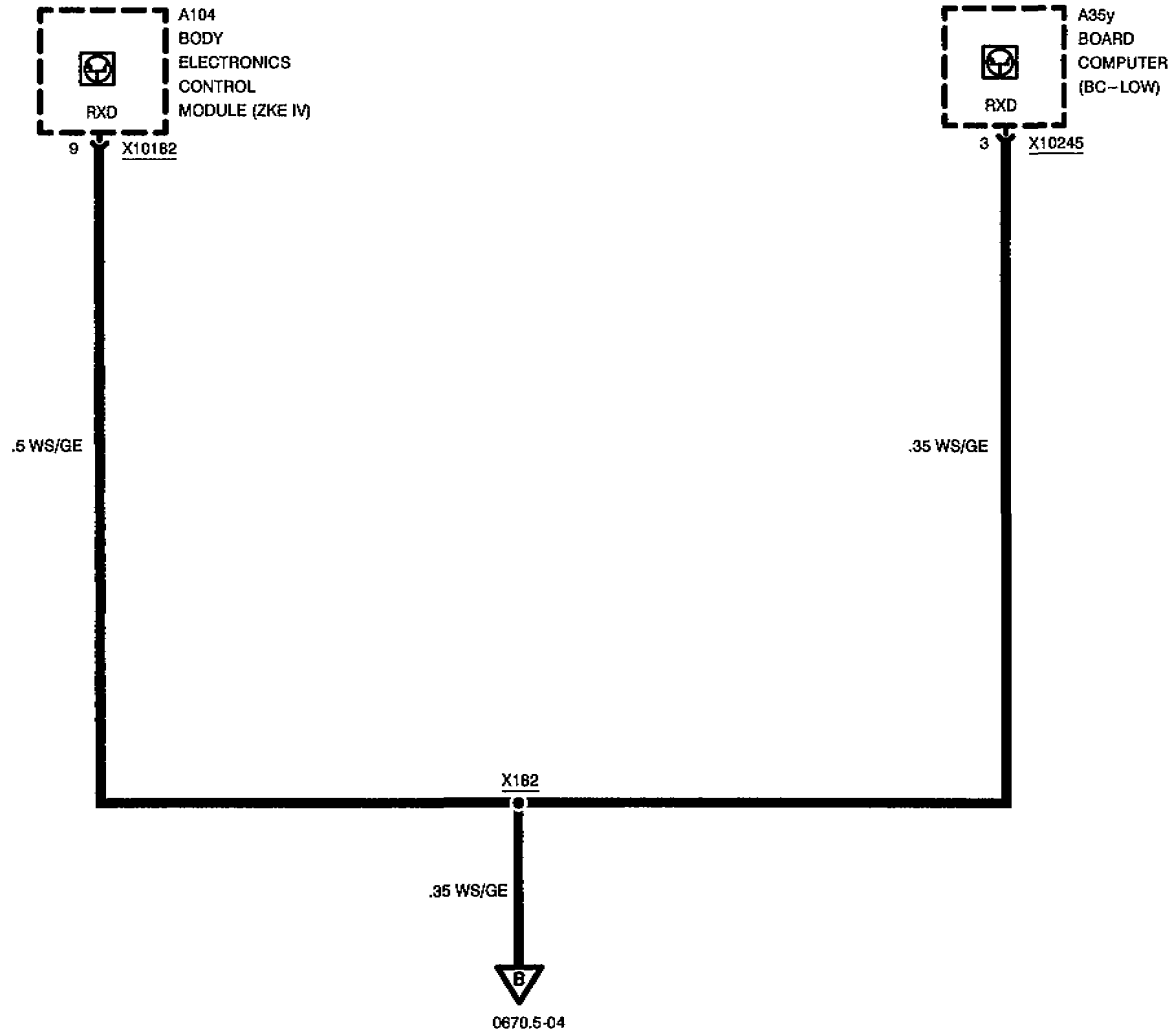
TXD





DATA LINK

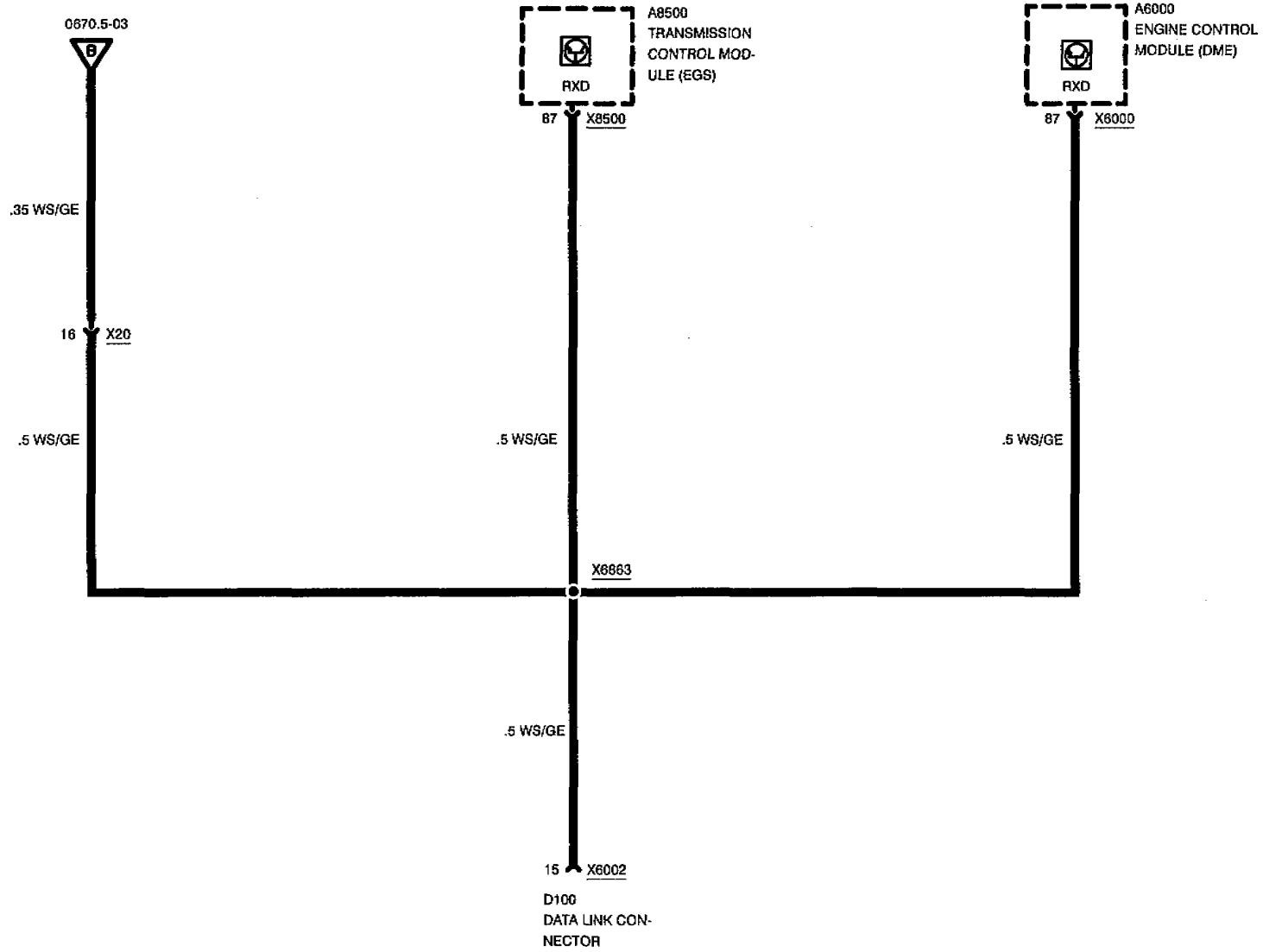
RXD





DATA LINK

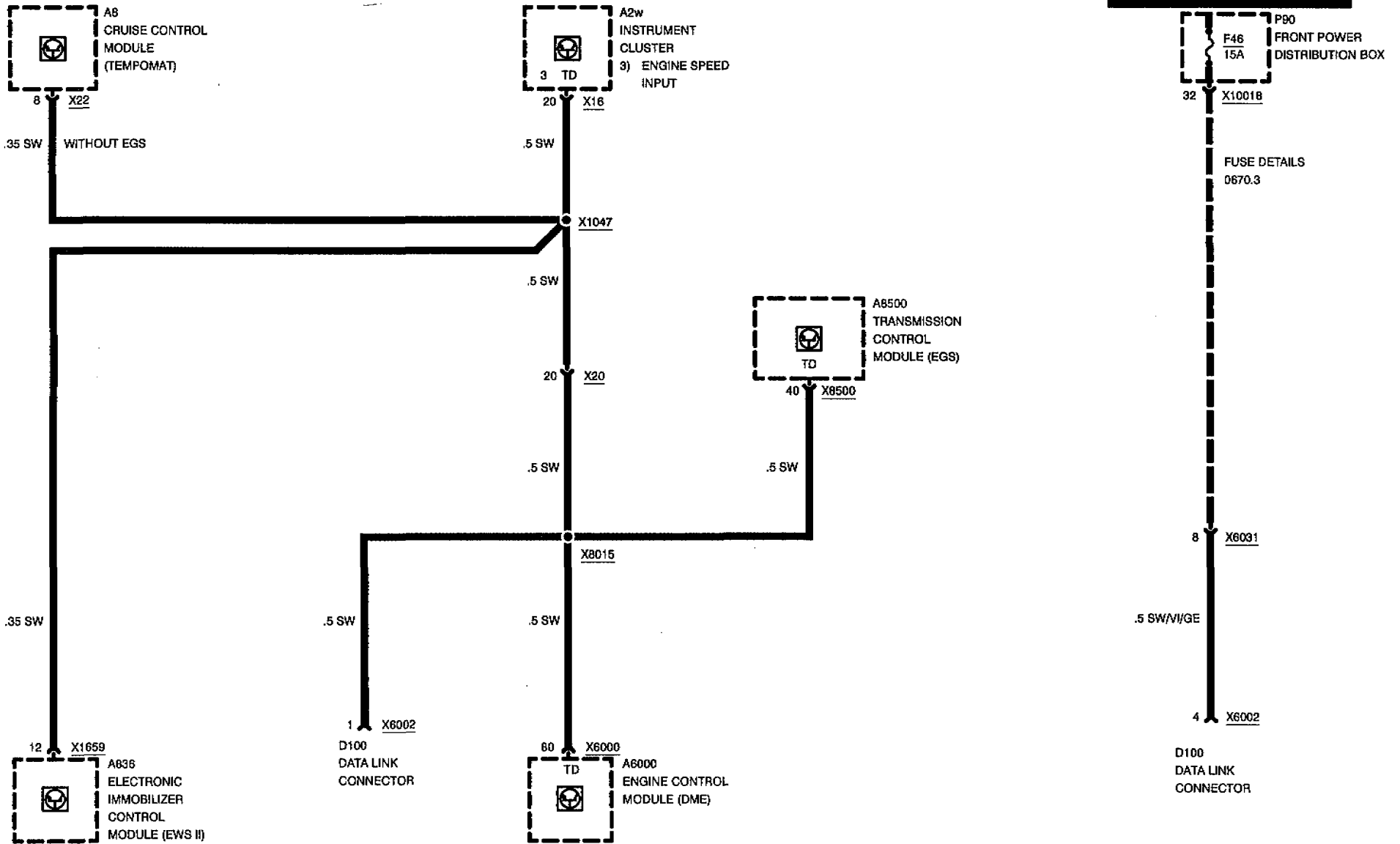
RXD, DATA LINK CONNECTOR, PIN 15





DATA LINK

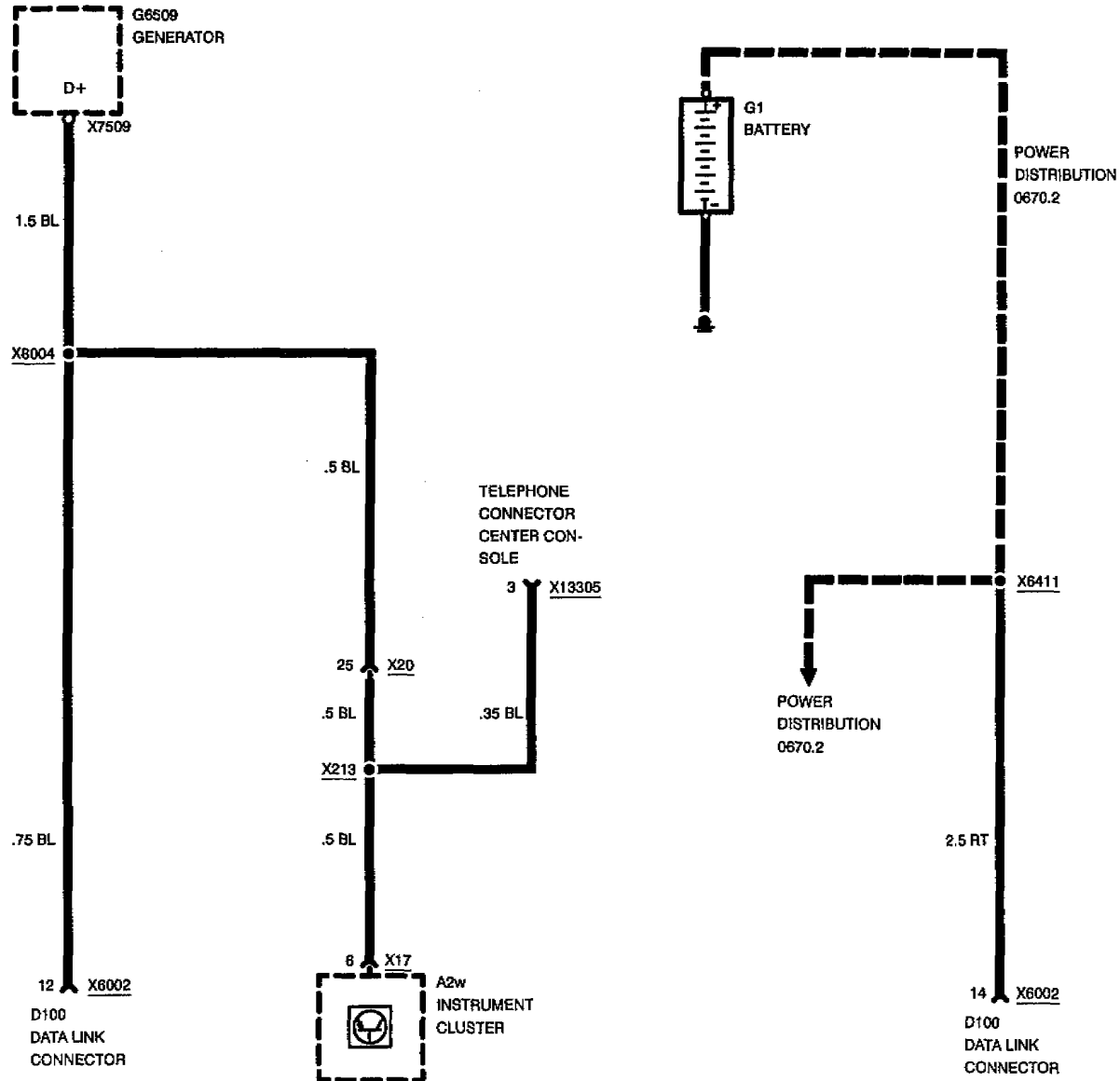
DATA LINK CONNECTOR, PINS 1 AND 4





DATA LINK

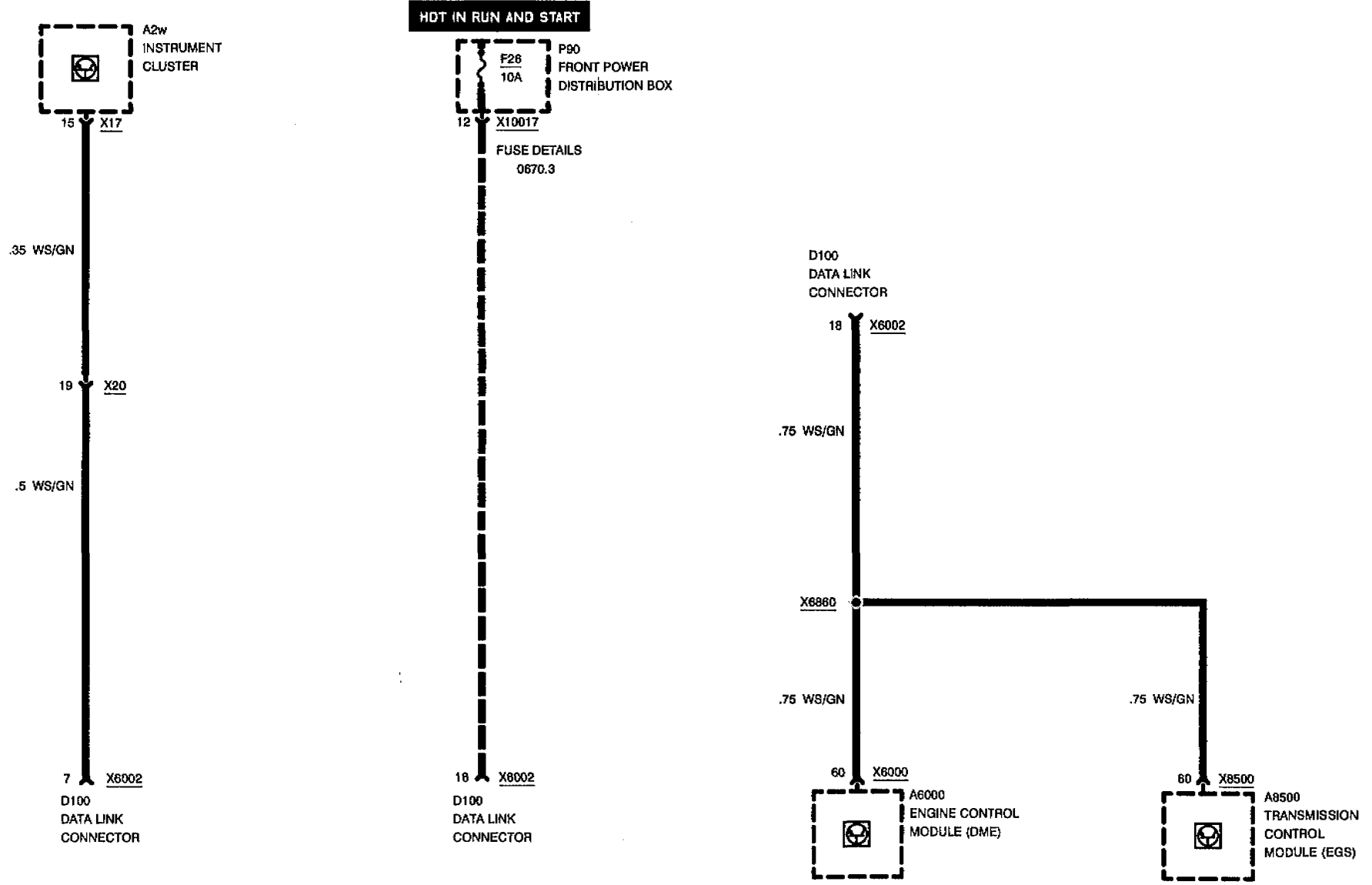
DATA LINK CONNECTOR, PINS 12 AND 14





DATA LINK

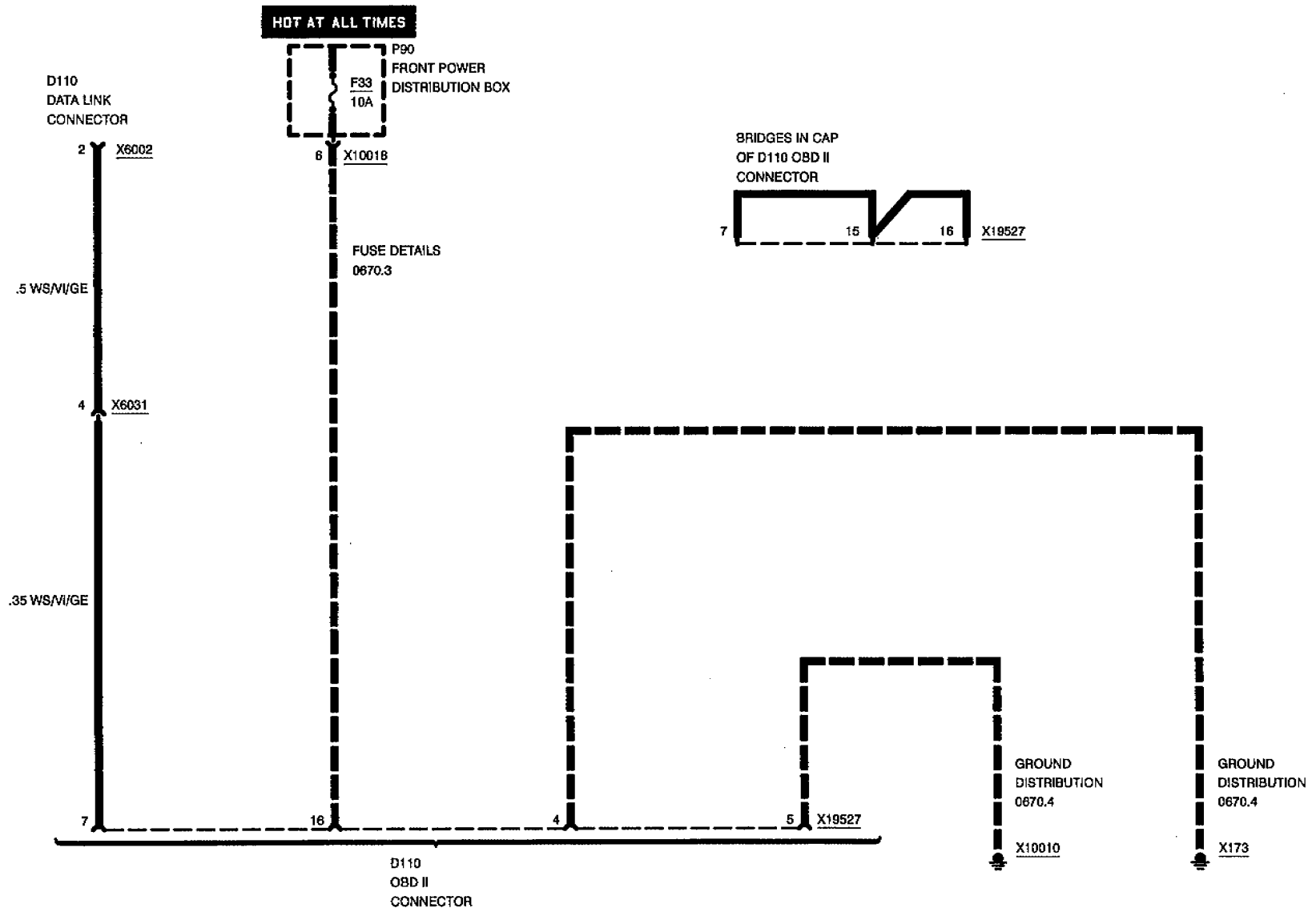
DATA LINK CONNECTOR, PINS 7, 16, AND 18





DATA LINK

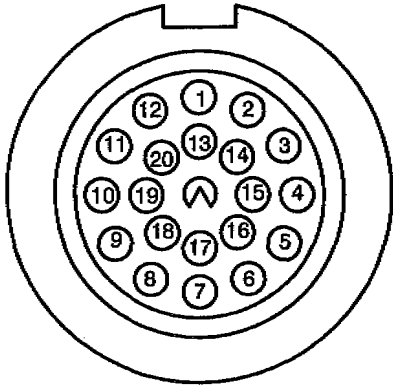
DATA LINK CONNECTOR, PIN 2 AND OBD II CONNECTOR



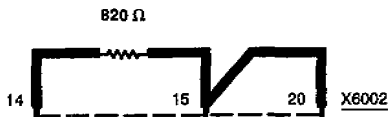


DATA LINK

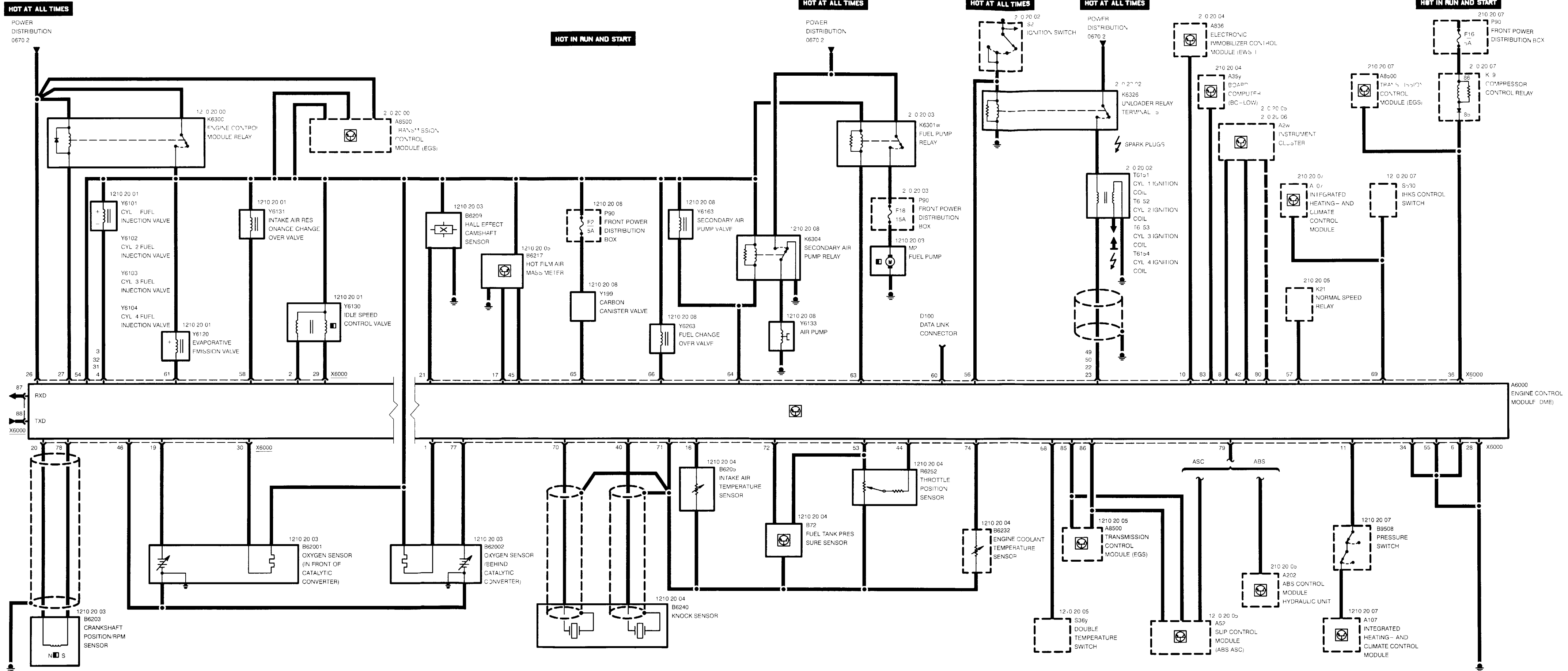
DATA LINK CONNECTOR (X6002)



BRIDGES IN CAP OF D100 DATA LINK CONNECTOR



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



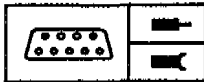


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Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Oxygen sensor heating (-)	Oxygen sensor (behind catalytic converter)
2	A	Activate valve	Idle speed control valve
3	A	Activate valve	Cyl. 1 fuel injection valve
4	A	Activate valve	Cyl. 4 fuel injection valve
5		Not used	
6	M	Ground, fuel injection valve output stages	Ground point
7		Not used	
8	A	"Check engine" indicator control	Instrument cluster
9		Not used	
10	E	Drive away protection signal	Electronic immobilizer control module (EWS II)
11	E	Activate A/C	Pressure switch
12		Not used	
13		Not used	
14		Not used	
15		Not used	
16	E	Intake air temperature	Intake air temperature sensor
17	E	Signal input	Hot film air mass meter
18		Not used	
19	E	Oxygen sensor signal	Oxygen sensor (in front of catalytic converter)
20	E	Crankshaft position/RPM	Crankshaft position/RPM sensor
21	E	Camshaft position	Hall effect camshaft sensor
22	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
23	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
24		Not used	
25		Not used	
26	E	Battery voltage	B+ junction point
27	A	Engine control module relay control	Engine control module relay, terminal 85
28	M	Ground for electronics and shielding of sensors	Ground point

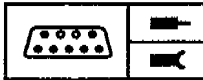
E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
29	A	Idle speed control valve control	Idle speed control valve
30	A	Oxygen sensor heating (-)	Oxygen sensor (in front of catalytic converter)
31	A	Activate valve	Cyl. 3 fuel injection valve
32	A	Activate valve	Cyl. 2 fuel injection valve
33		Not used	
34	M	Ground, remaining output stages (except for ignition and fuel injection valves)	Ground point
35		Not used	
36	A	A/C compressor cut-out	Compressor control relay
37		Not used	
38		Not used	
39		Not used	
40	E	Cyl. 3-4 knock sensor	Knock sensor
41		Not used	
42	E	Ti-measurement signal (fuel consumption)	Instrument cluster
43		Not used	
44	E	Throttle position	Throttle position sensor
45	M	Ground	Hot film air mass meter
46	M	Sensor ground	Oxygen sensors
47		Not used	
48		Not used	
49	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
50	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
51		Not used	
52		Not used	
53	A	Component supply (+)	Throttle position sensor/Fuel tank pressure sensor
54	E	Battery voltage from engine control module relay	Engine control module relay, terminal 87
55	M	Ground, ignition	Ground point
56	E	Ignition switch, terminal 15	Ignition switch, terminal 15
57	A	Activate auxiliary fan	Normal speed relay

E = Input, A = Output, M = Ground



Pin Assignments

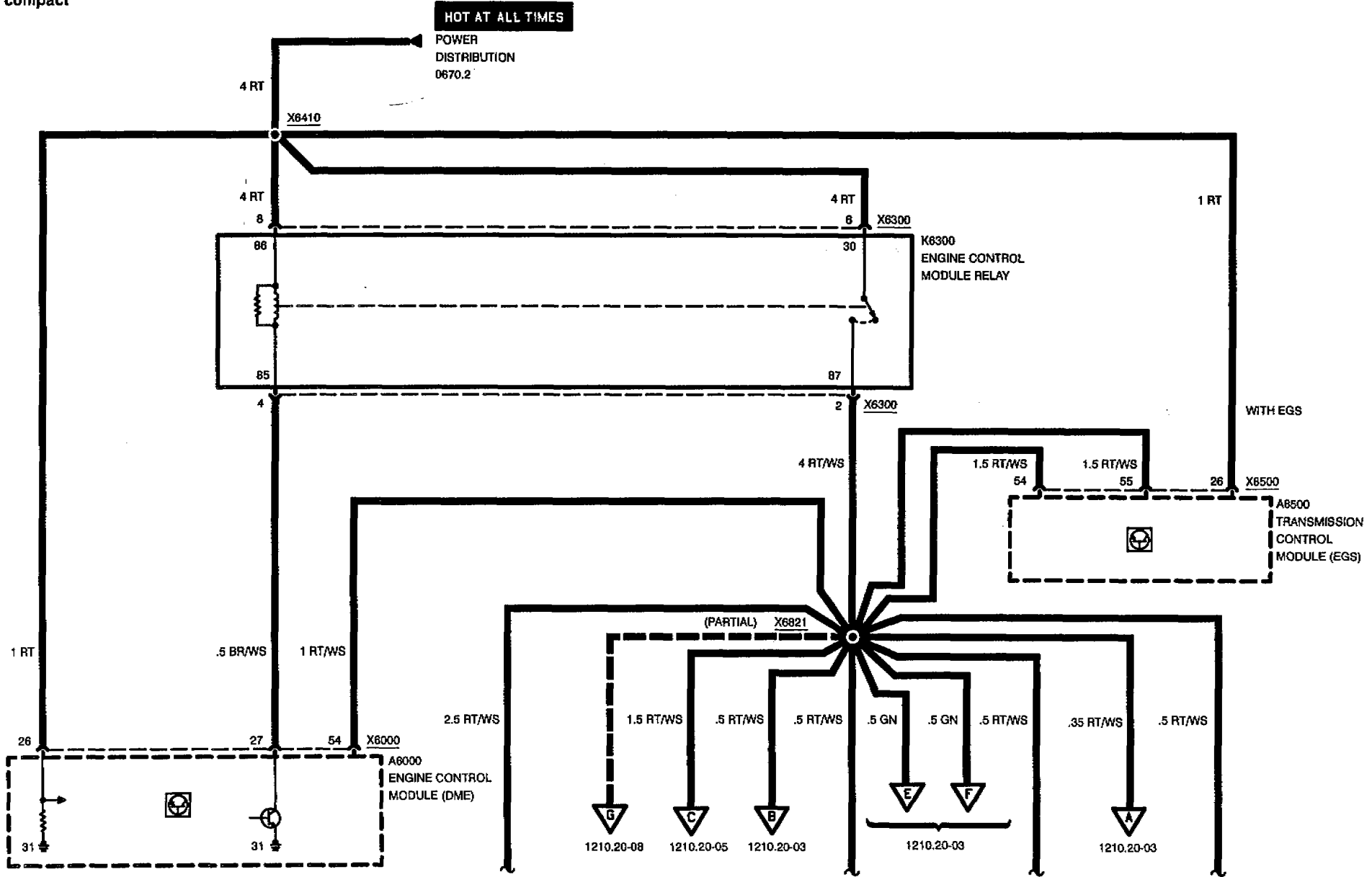
Pin	Type	Description/Function	Connection
58	A	Activate valve	Intake air resonance changeover valve
59		Not used	
60	E	Programming voltage	Data link connector
61	A	Activate valve	Evaporation emission valve
62		Not used	
63	A	Activate relay	Fuel pump relay
64	A	Activate relay/valve	Secondary air pump relay/Secondary air pump valve
65	A	Activate valve	Carbon canister valve
66	A	Activate valve	Fuel changeover valve
67		Not used	
68	E	Signal above 80°C	Double temperature switch
69	E	Signal A/C on	Air conditioning operating unit
70	E	Cyl 1-2 knock sensor	Knock sensor
71	M	Ground for sensors	Temperature-/ knock-/ throttle position-sensors
72	E	Fuel tank pressure signal	Fuel tank pressure sensor
73		Not used	
74	E	Temperature signal	Engine coolant temperature sensor
75		Not used	
76		Not used	
77	E	Oxygen sensor signal	Oxygen sensor (behind catalytic converter)
78	E	Crankshaft position/RPM	Crankshaft position/RPM sensor
79	E	Speed signal right rear	ABS/ASC control module
80	E	Crankshaft RPM speed signal TD	Instrument cluster
81		Not used	
82		Not used	
83	E	Vehicle speed signal	On-board computer
84		Not used	
85	E/A	CAN-LOW	EGS/ASC control module
86	E/A	CAN-HIGH	EGS/ASC control module
87	A	RxD diagnosis data line	Data link connector
88	E/A	TxD diagnosis data line	Data link connector

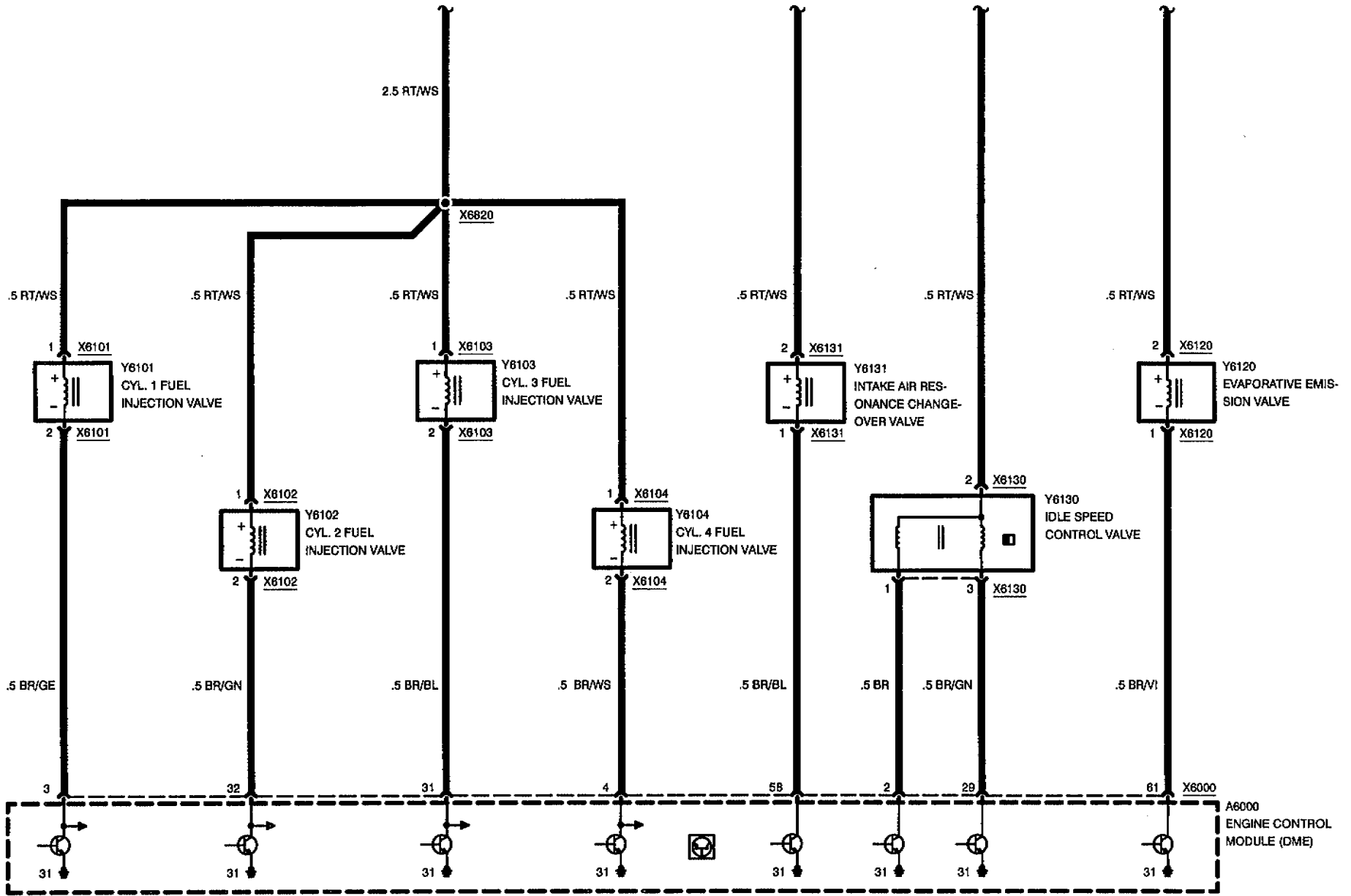
E = Input, A = Output, M = Ground



ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

POWER, FUEL INJECTION VALVES

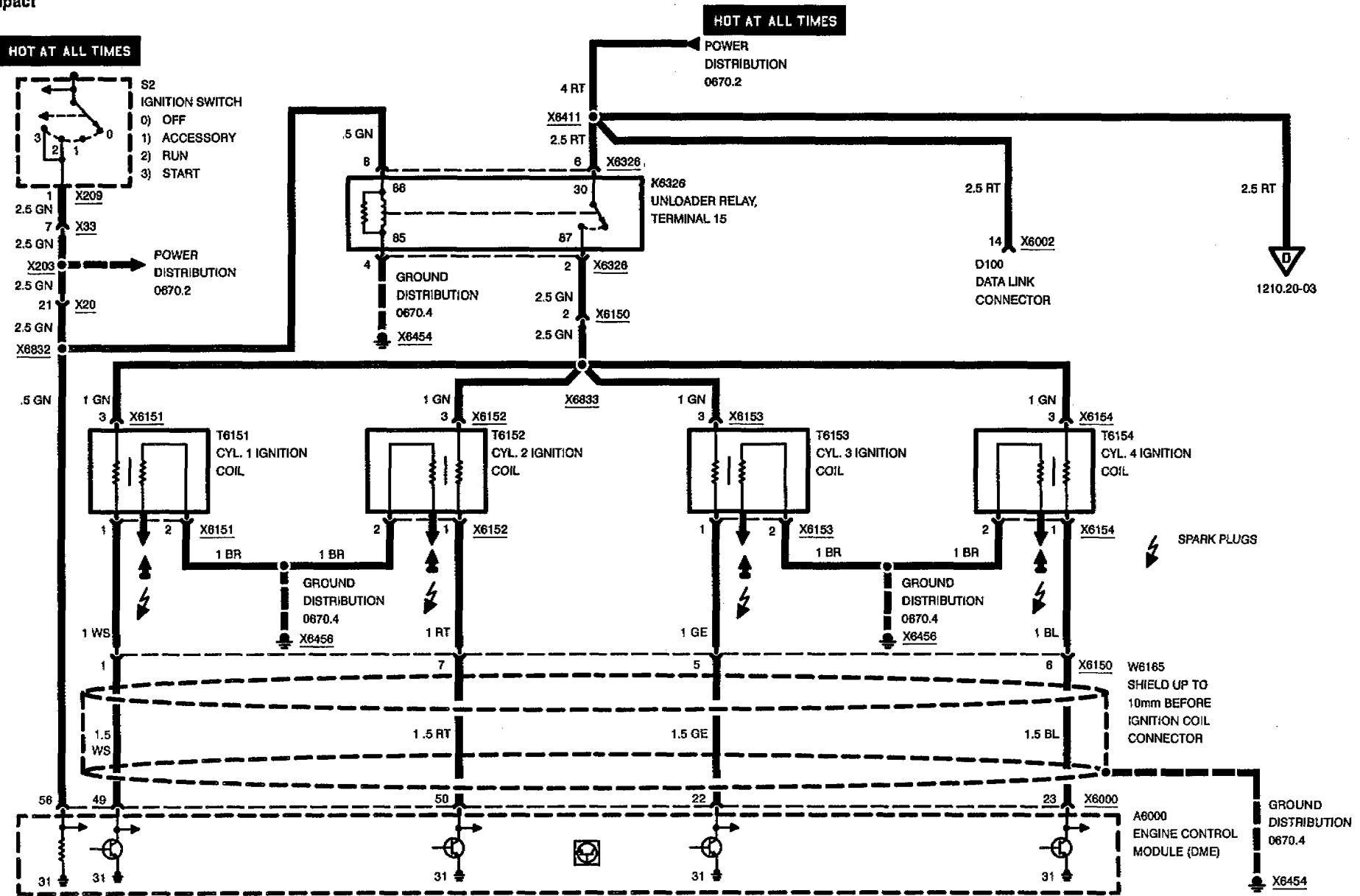






ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

IGNITION COILS

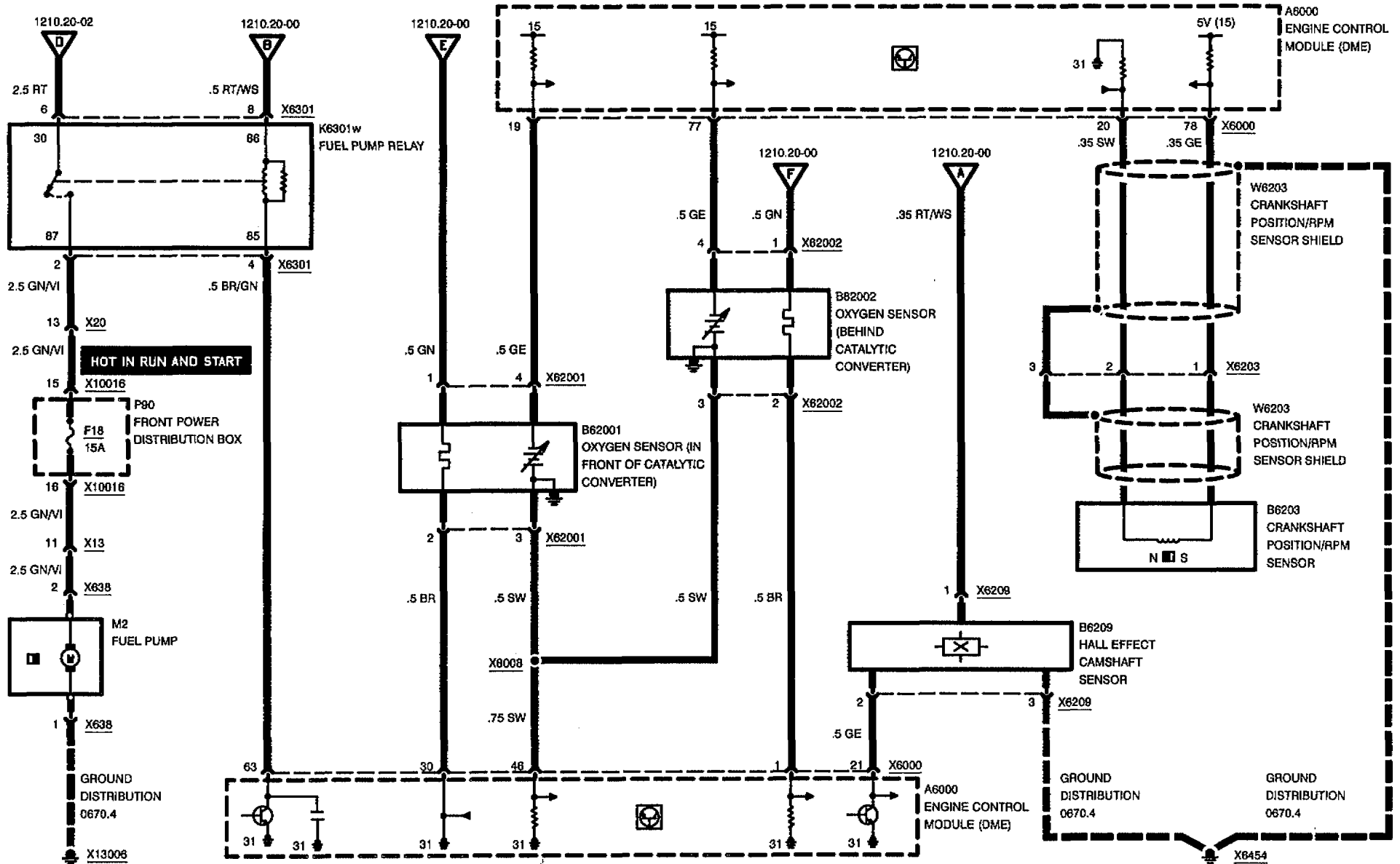


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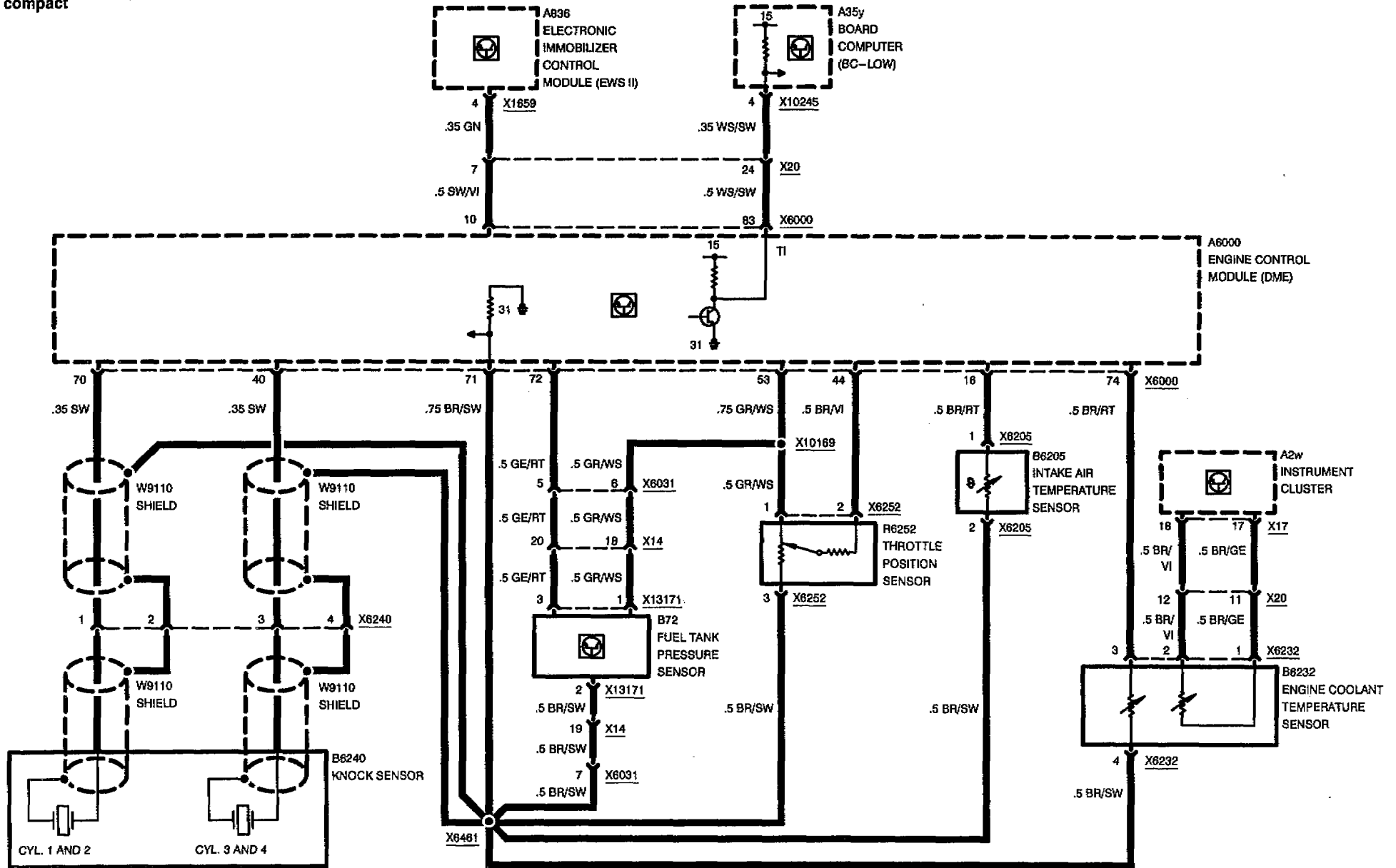


ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

FUEL PUMP, HEATED OXYGEN SENSOR, CRANKSHAFT SENSORS



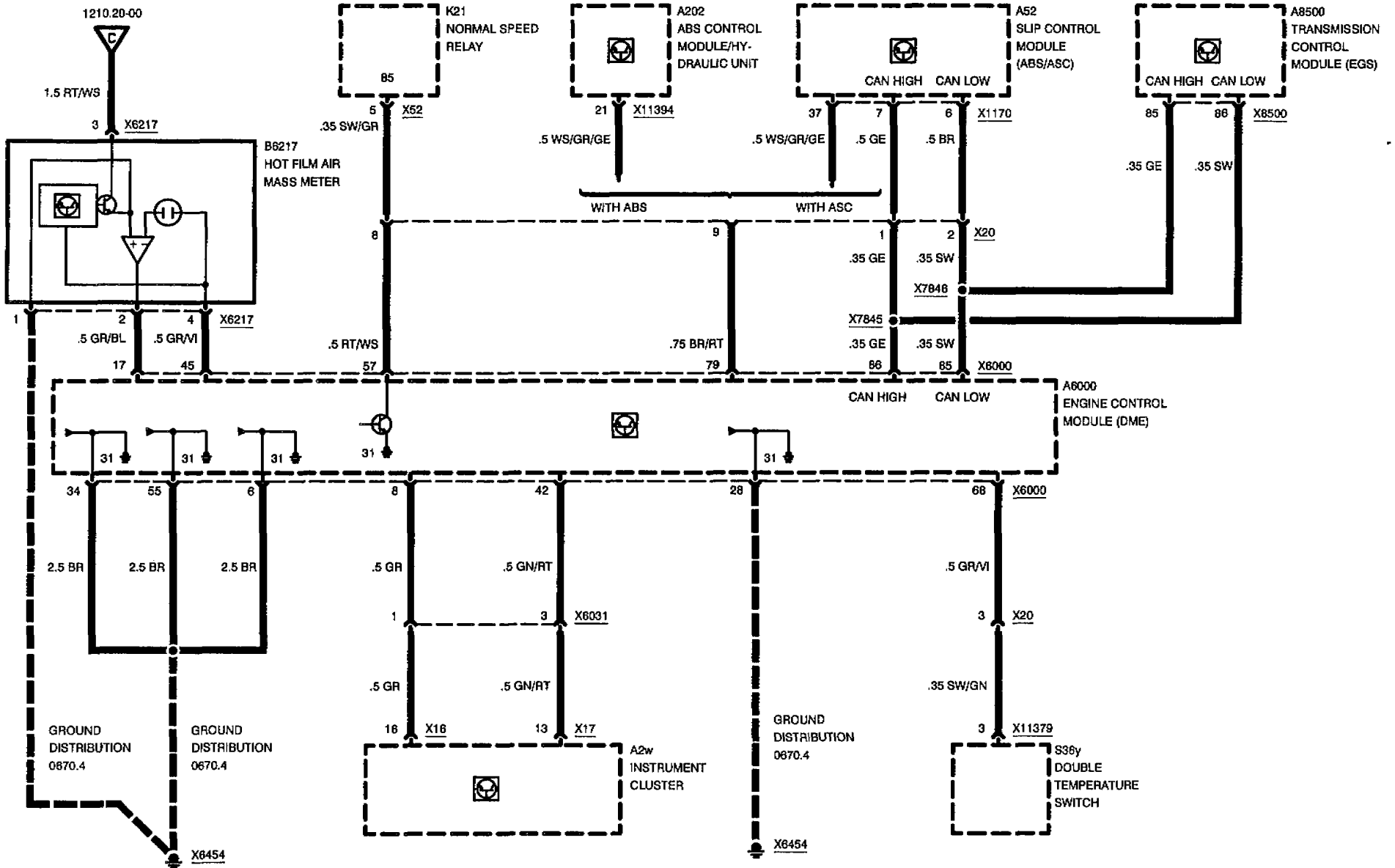
ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)





compact

ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)



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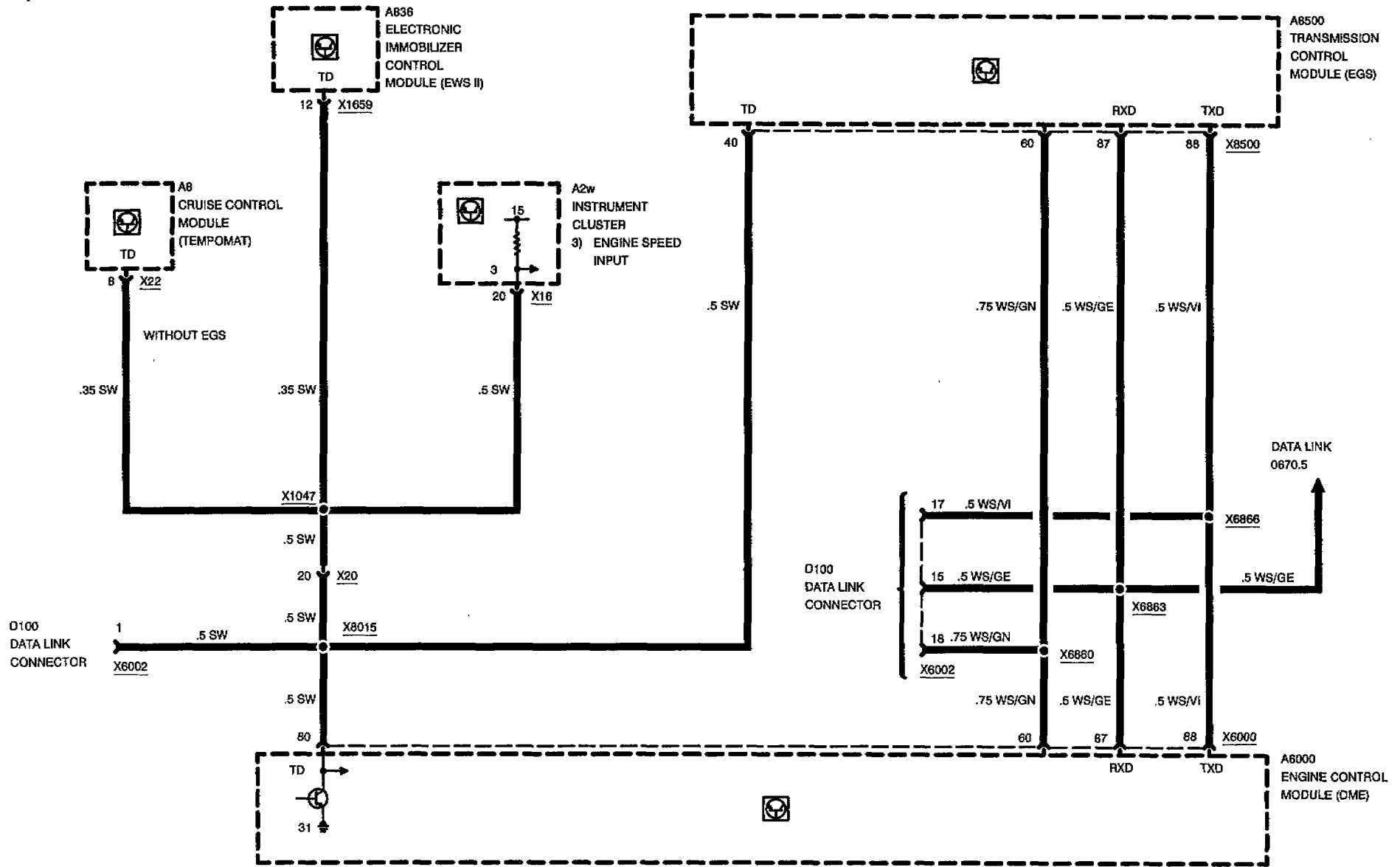
1210.20-05

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ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

DATA LINK



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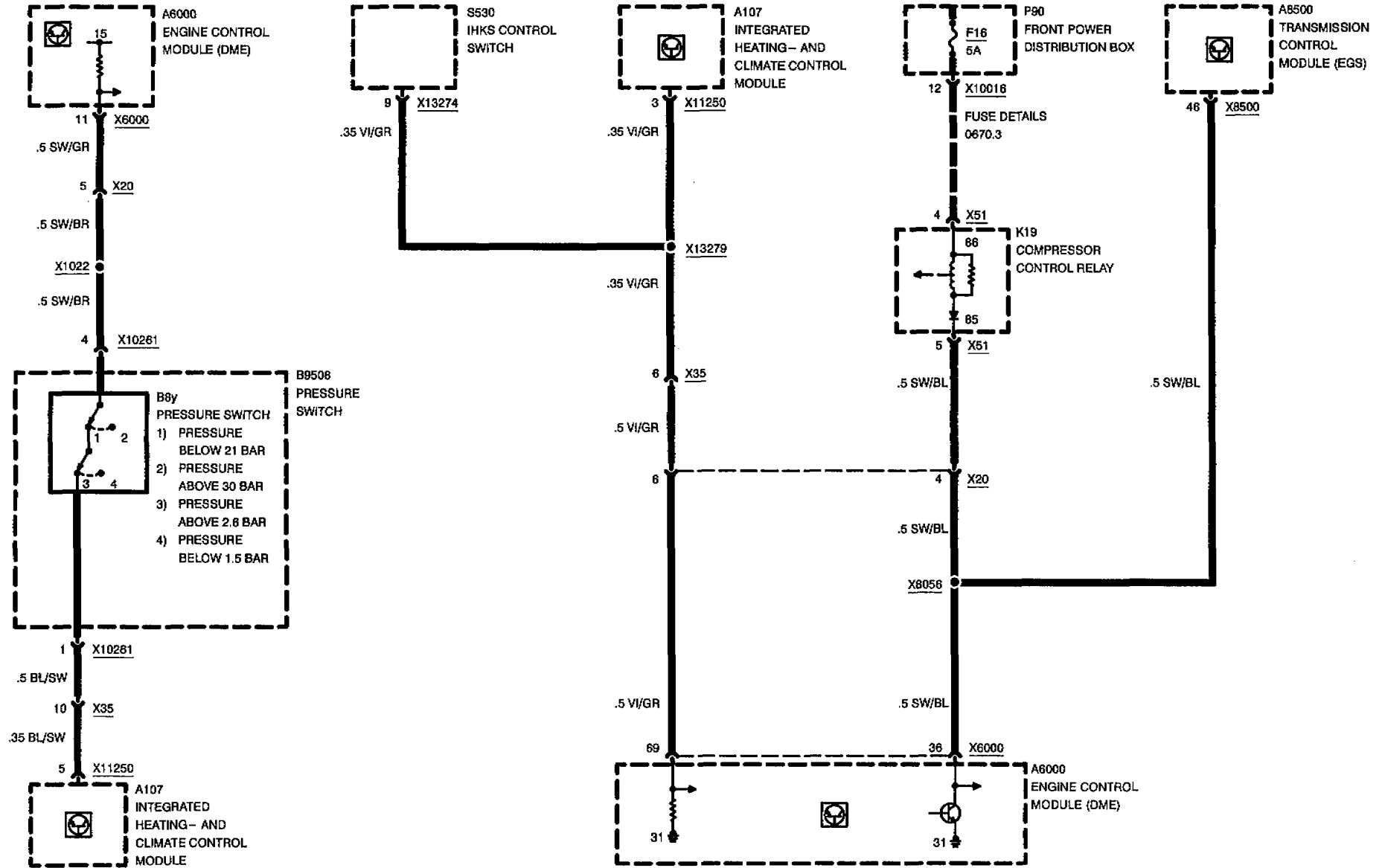
1210.20-06

1998



ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)

HOT IN RUN AND START

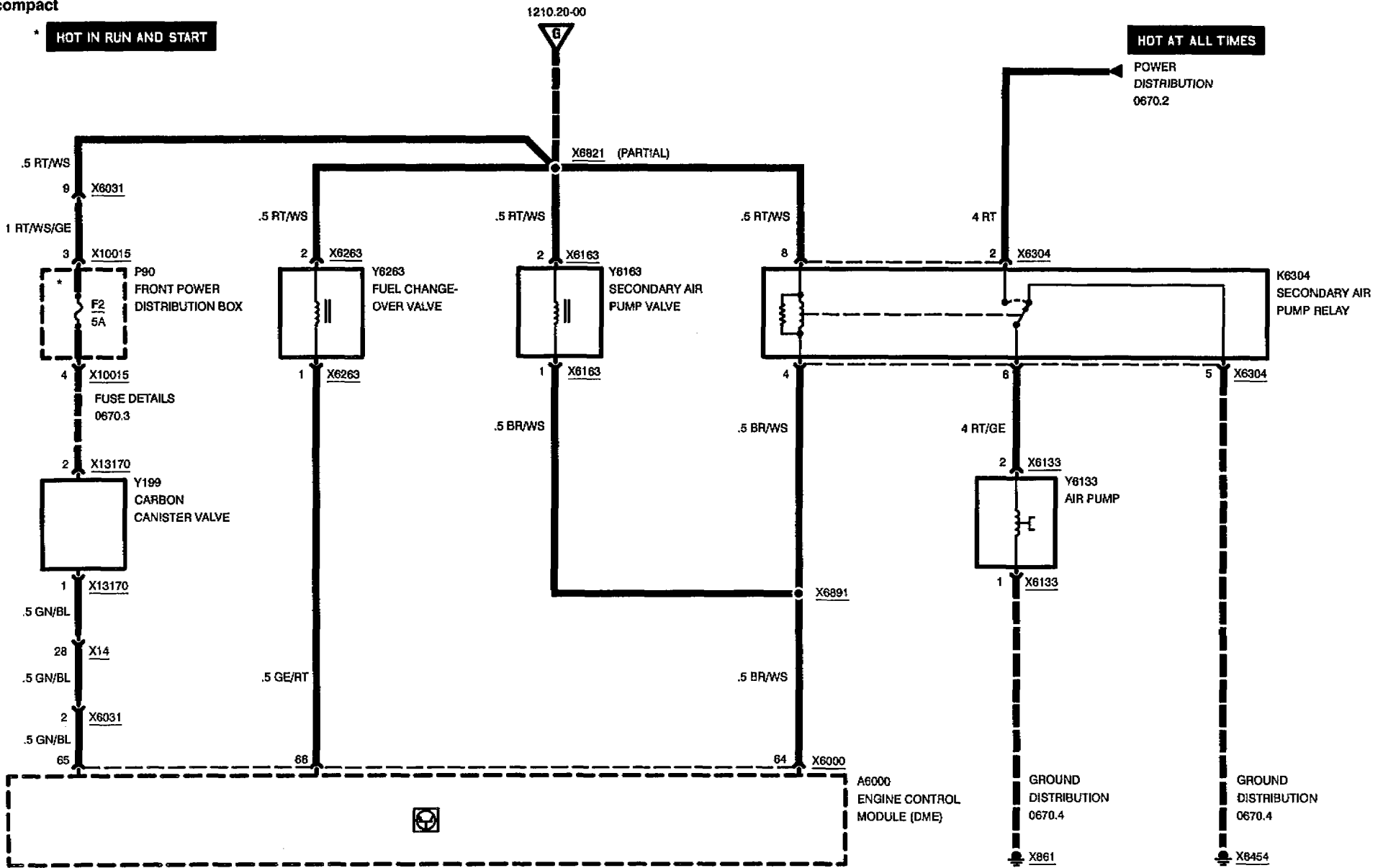


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compact

ENGINE CONTROL SYSTEM (DME M5.2, 4-CYLINDER M44)



09/97

1210.20-08

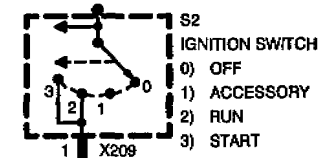
1998



1230.0

CHARGING SYSTEM

HOT AT ALL TIMES



2.5 GN

7

2.5 GN

X203

POWER
DISTRIBUTION
0670.2

.5 GN

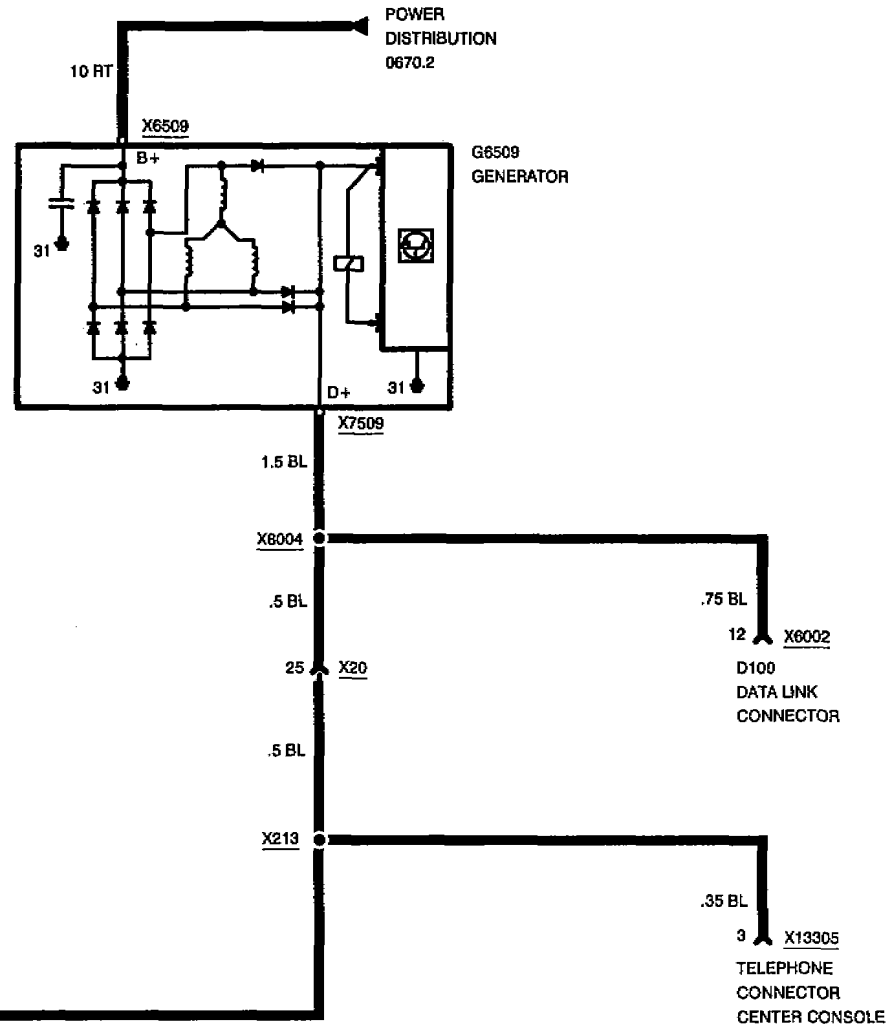
5



6

.5 BL

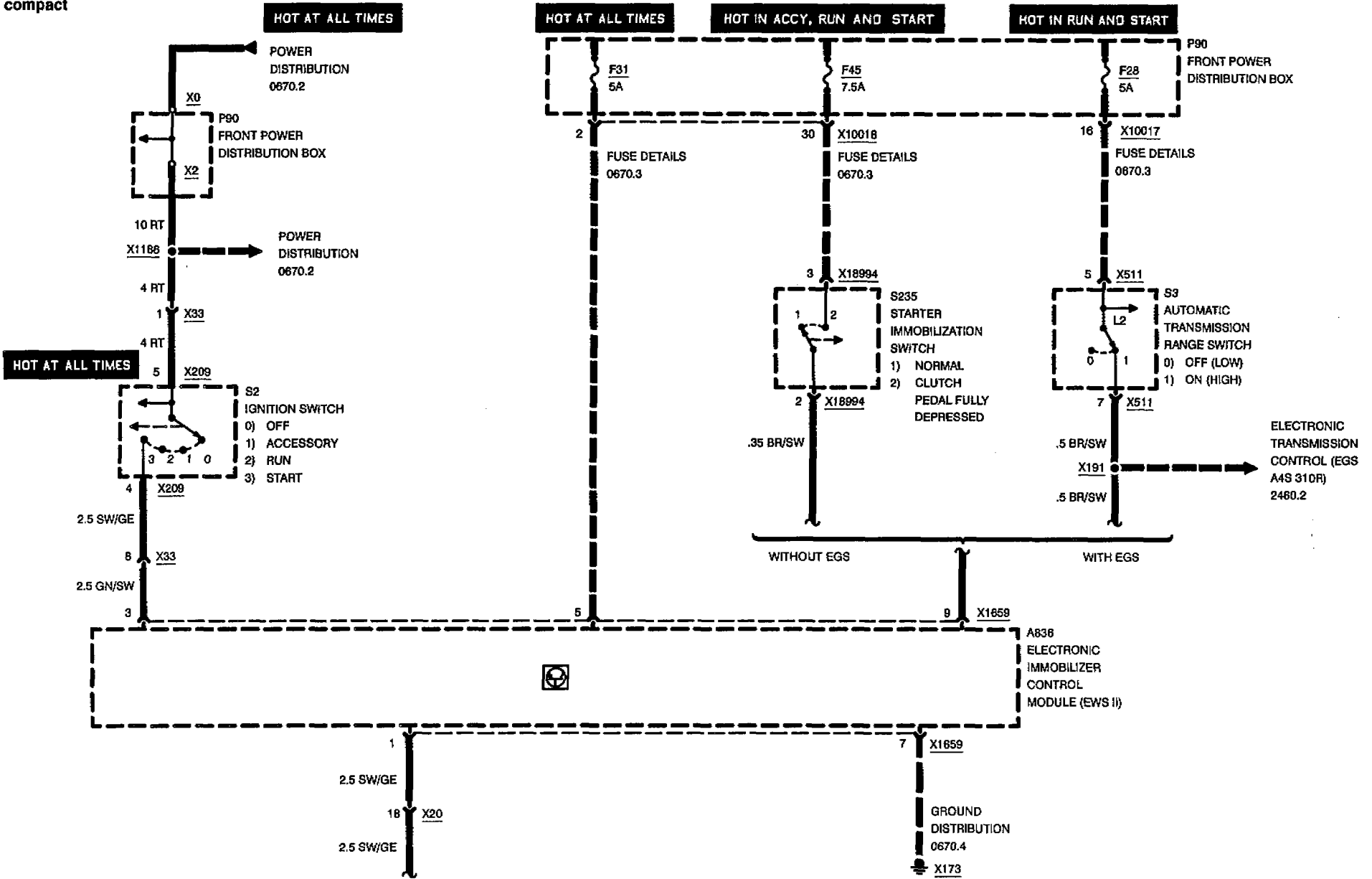
HOT AT ALL TIMES

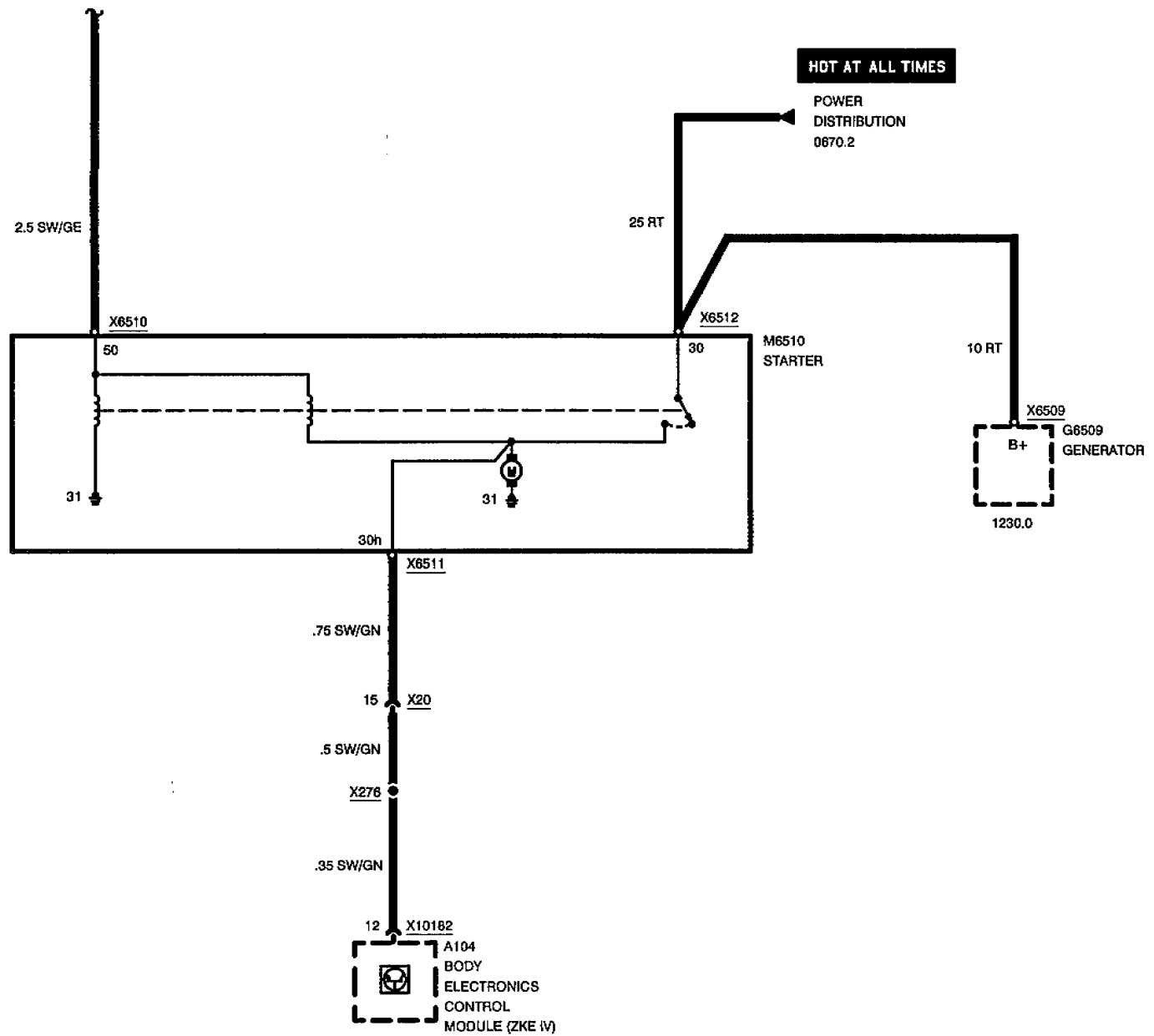




compact

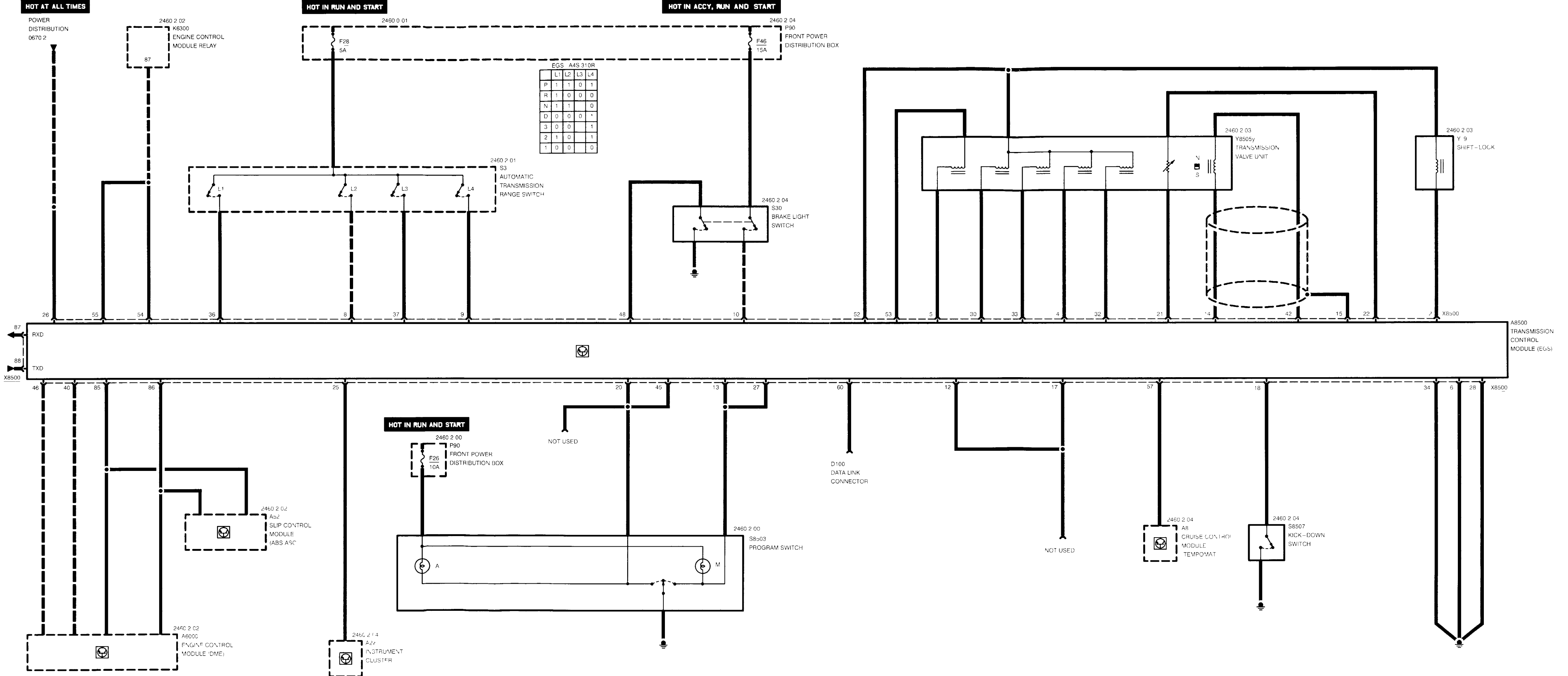
1240.0

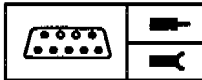






1240.0-02



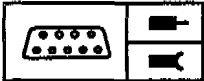


Pin Assignments

X8500

Pin	Type	Description/Function	Connection
1		Not used	
2	A	Shift-lock solenoid control	Shift-lock
3		Not used	
4	A	Solenoid valve band control (-)	Transmission valve unit
5	A	Hydraulic pressure regulator control (-)	Transmission valve unit
6	M	Ground	Ground point
7		Not used	
8	E	Gear range signal L2	Automatic transmission range switch
9	E	Gear range signal L4	Automatic transmission range switch
10	E	Brake pedal position	Brake light switch
11		Not used	
12	E	Sport mode signal	Not used
13	E	Manual mode signal	Program switch
14	E	Output speed (-)	Transmission valve unit
15	M	Ground for shield	Shield for speed sensor
16		Not used	
17	A	S-program indication	Not used
18	E	Kick-down signal	Kick-down switch
19		Not used	
20	E	Automatic mode signal	Program switch
21	E	Oil temperature signal (-)	Transmission valve unit
22	E	Oil temperature signal (+)	Transmission valve unit
23		Not used	
24		Not used	
25	A	Fault indicator signal	Instrument cluster
26	E	Battery voltage	B+ junction point
27	A	M-program indication	Program switch
28	M	Ground	Ground point
29		Not used	
30	A	Solenoid valve 1 control (-)	Transmission valve unit

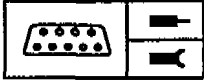
E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
31		Not used	
32	A	Torque converter clutch solenoid valve control (-)	Transmission valve unit
33	A	Solenoid valve 2 control (-)	Transmission valve unit
34	M	Ground	Ground point
35		Not used	
36	E	Gear range signal L1	Automatic transmission range switch
37	E	Gear range signal L3	Automatic transmission range switch
38		Not used	
39		Not used	
40	E	RPM speed signal TD	Engine control module
41		Not used	
42	E	Output speed (+)	Transmission valve unit
43		Not used	
44		Not used	
45	A	A-program indication	Program switch
46	E	A/C compressor-ON-signal	Engine control module
47		Not used	
48	E	Brake switch test signal	Brake light switch
49		Not used	
50		Not used	
51		Not used	
52	A	Voltage supply	Shift-lock/Transmission valve unit
53	E	Voltage pressure regulator	Transmission valve unit
54	E	Voltage supply, terminal 87	Engine control module relay
55	E	Voltage supply, terminal 87	Engine control module relay
56		Not used	
57	E	Cruise control signal	Cruise control module
58		Not used	
59		Not used	
60	E	Programming voltage	Data link connector
61		Not used	

E = Input, A = Output, M = Ground



Pin Assignments

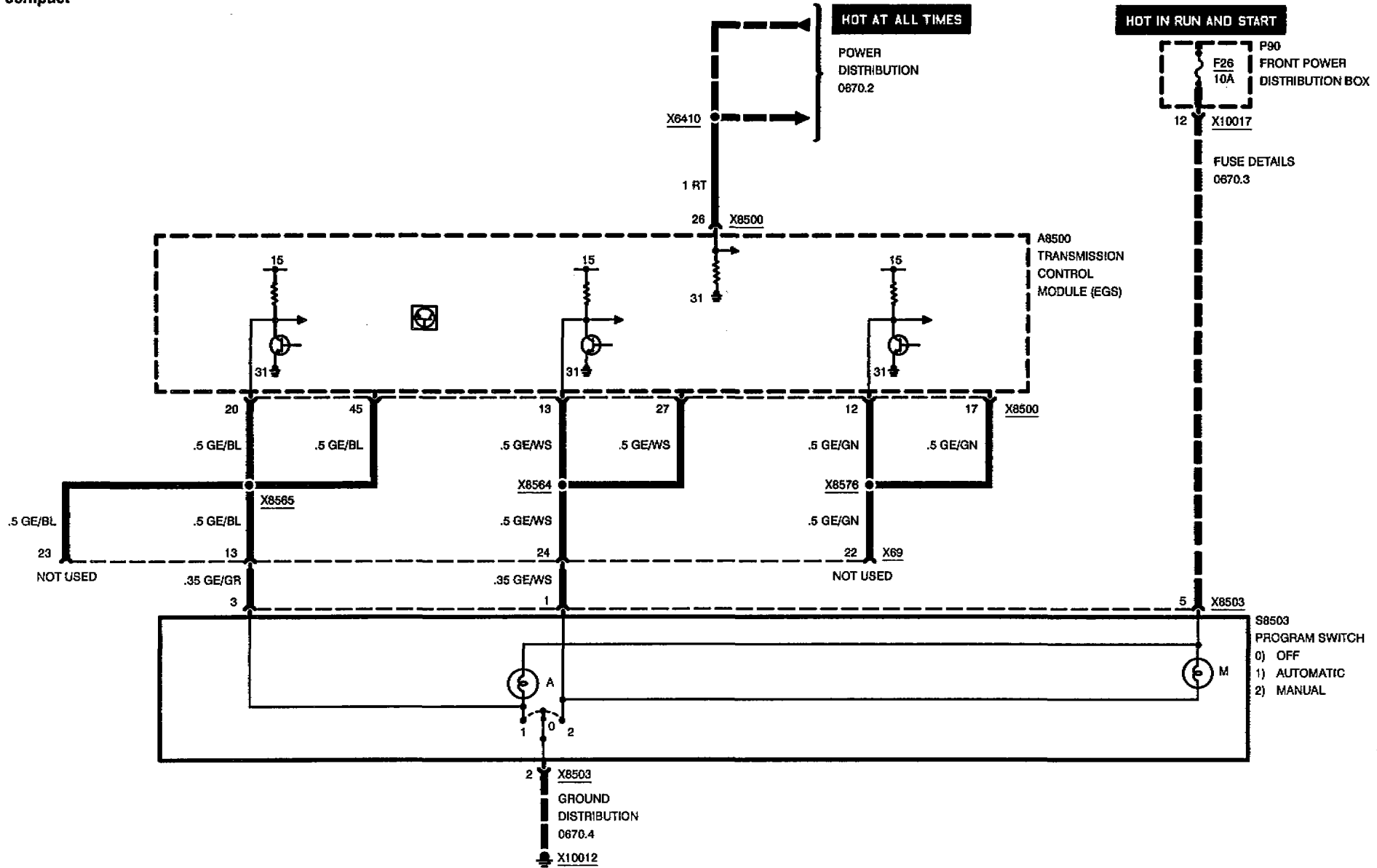
Pin	Type	Description/Function	Connection
62		Not used	
63		Not used	
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
69		Not used	
70		Not used	
71		Not used	
72		Not used	
73		Not used	
74		Not used	
75		Not used	
76		Not used	
77		Not used	
78		Not used	
79		Not used	
80		Not used	
81		Not used	
82		Not used	
83		Not used	
84		Not used	
85	E/A	CAN-LOW	Engine control module/Slip control module
86	E/A	CAN-HIGH	Engine control module/Slip control module
87	A	RxD diagnostic data link	Data link connector
88	E/A	TxD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground



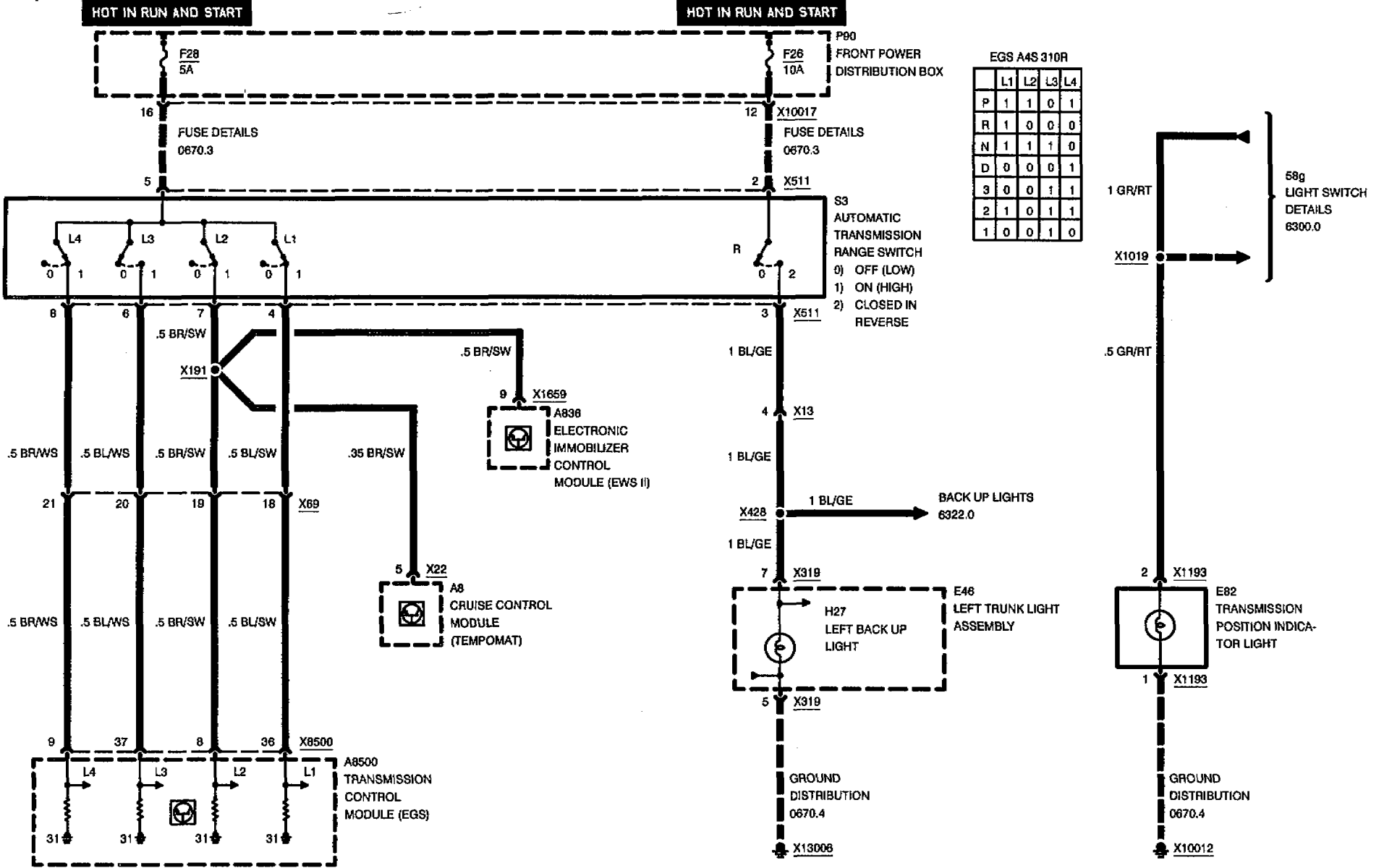
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

POWER, PROGRAM SWITCH

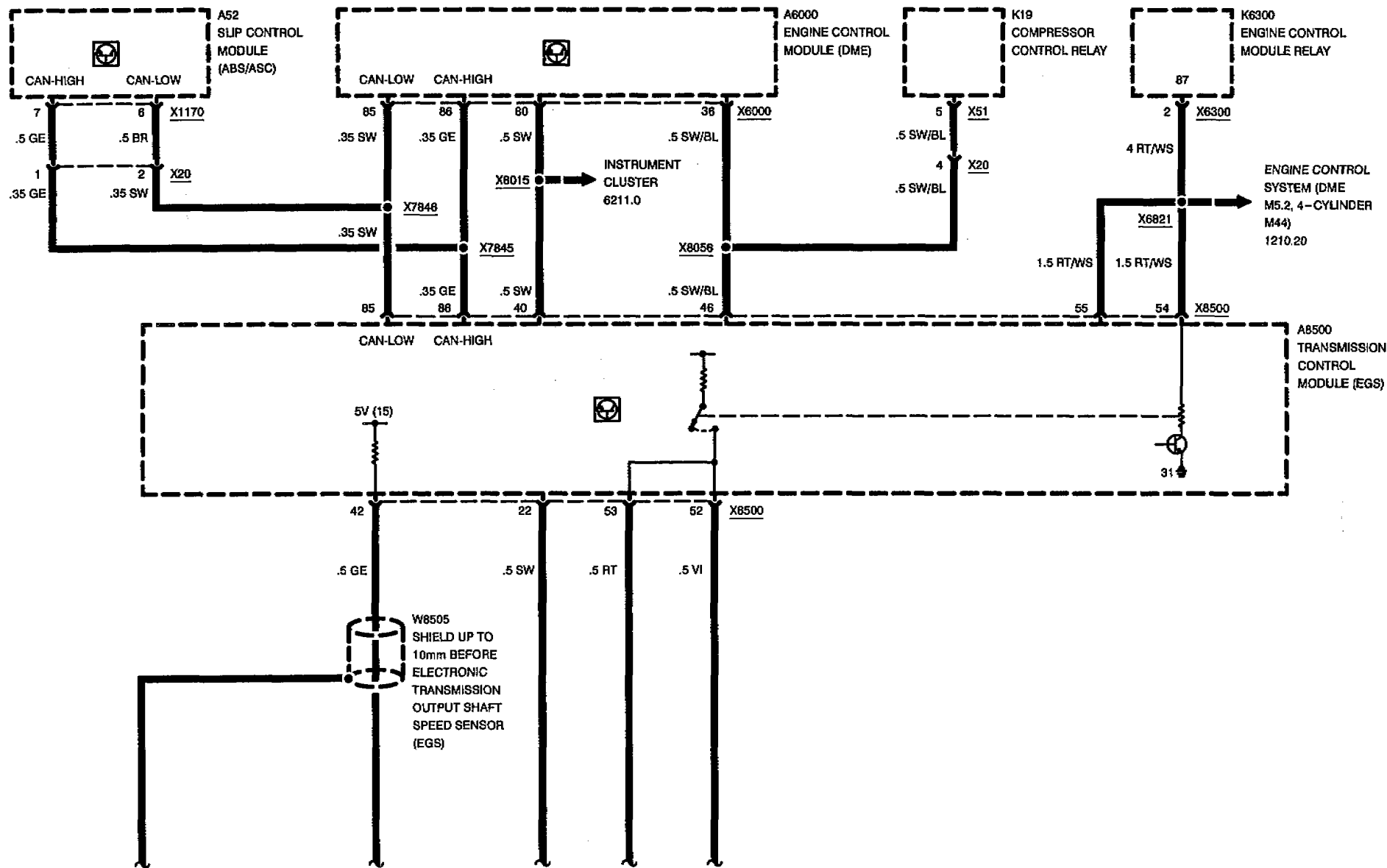


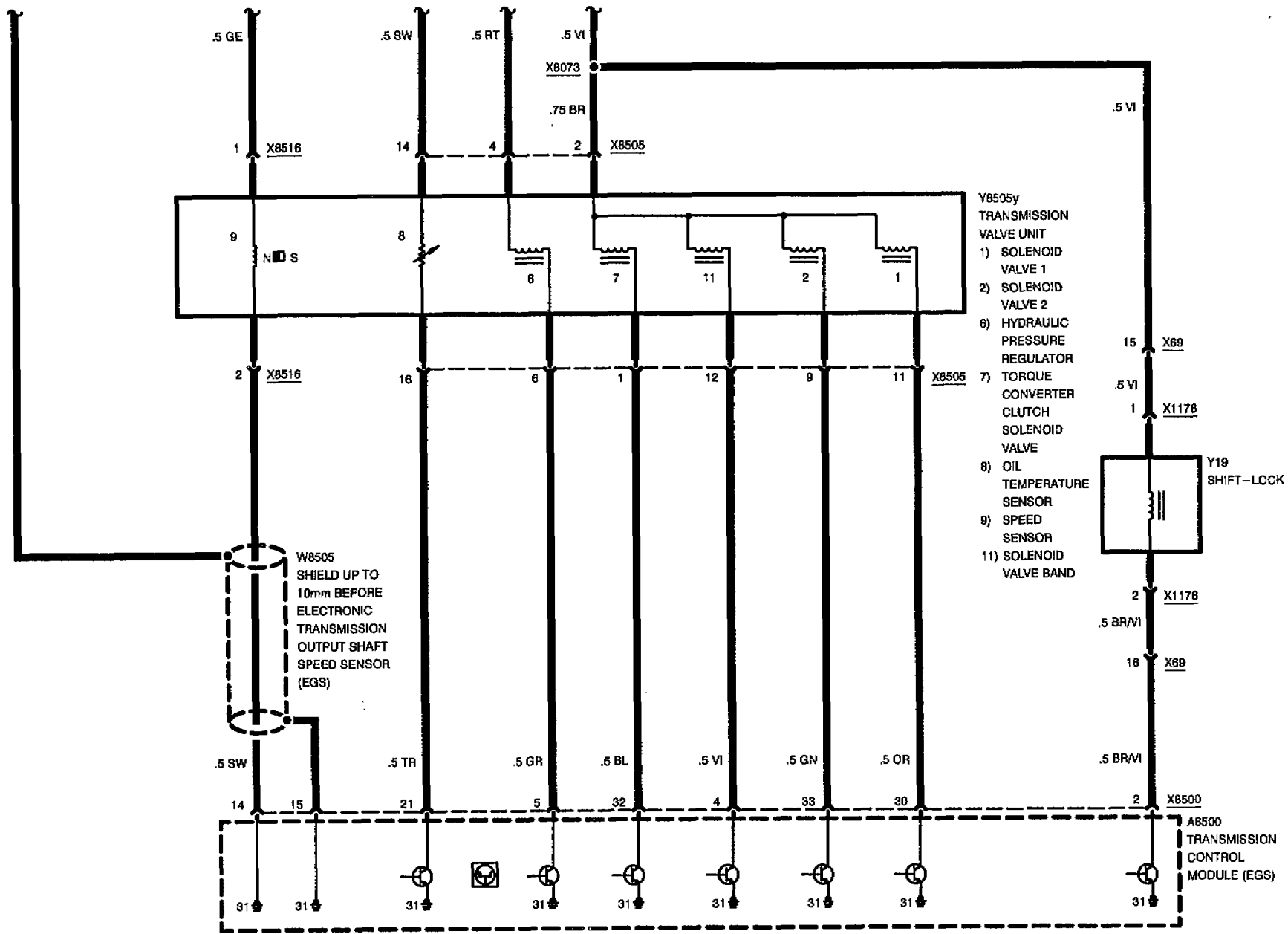


ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R) GEAR SELECTOR SWITCH



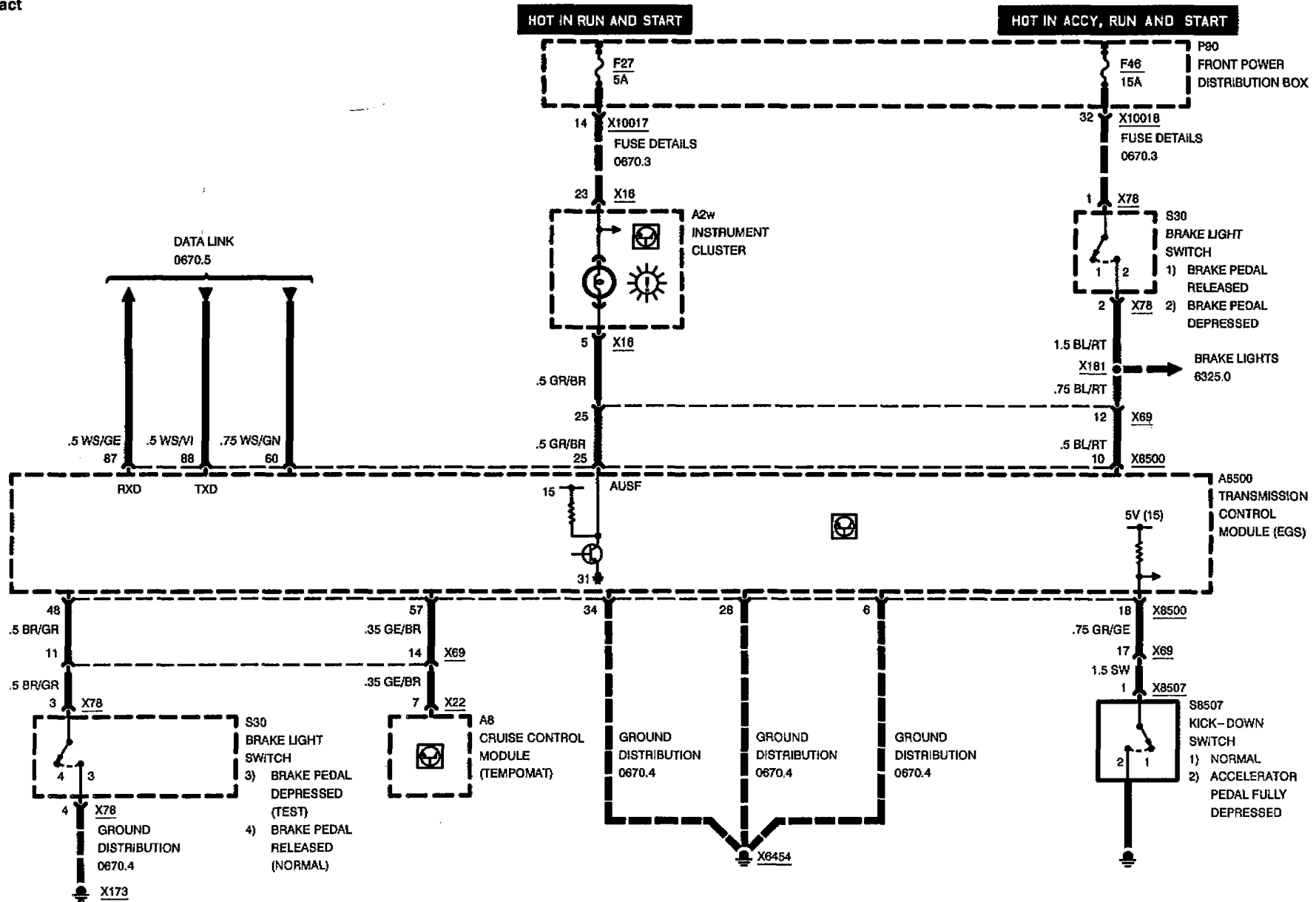
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

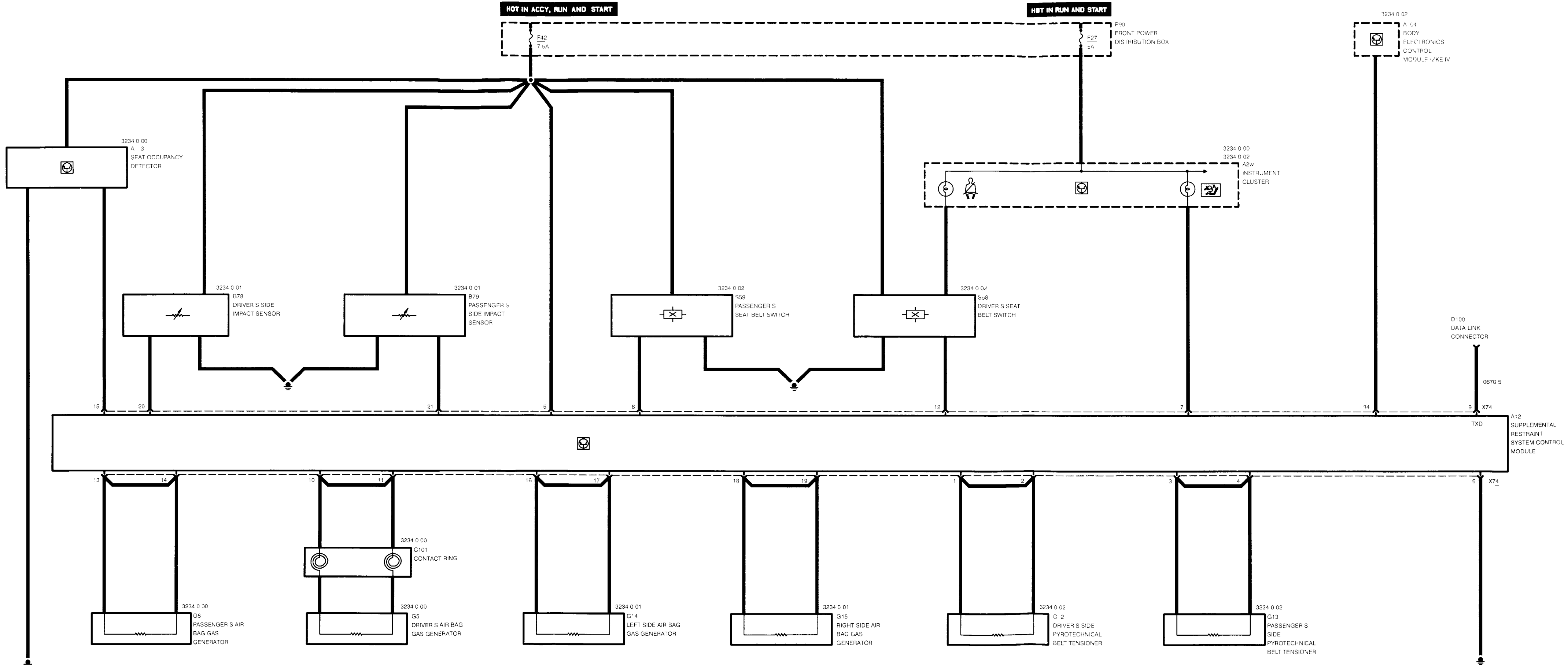




ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

SHIFT LOCK, DATA LINK, KICK-DOWN SWITCH





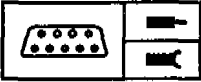


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1998



Pin Assignments

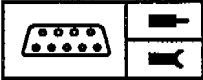
X74

Pin	Type	Description/Function	Connection
1	A	Pyrotechnical belt tensioner	Driver's side pyrotechnical belt tensioner
2	A	Pyrotechnical belt tensioner	Driver's side pyrotechnical belt tensioner
3	A	Pyrotechnical belt tensioner	Passenger's side pyrotechnical belt tensioner
4	A	Pyrotechnical belt tensioner	Passenger's side pyrotechnical belt tensioner
5	E	Power supply	Front power distribution box, fuse 42
6	M	Ground	Ground point
7	A	Air bag warning indicator	Instrument cluster
8	E	Belt switch	Passenger's seat belt switch
9	E/A	TxD diagnostic data line	Data link connector
10	A	Air bag (+)	Driver's air bag gas generator
11	A	Air bag (-)	Driver's air bag gas generator
12	E	Belt switch	Driver's seat belt switch
13	A	Air bag (+)	Passenger's air bag gas generator
14	A	Air bag (-)	Passenger's air bag gas generator
15	E	Seat occupancy detector	Seat occupancy detector
16	A	Gas generator	Gas generator, left side air bag
17	A	Gas generator	Gas generator, left side air bag
18	A	Gas generator	Gas generator, right side air bag
19	A	Gas generator	Gas generator, right side air bag
20	E	Impact sensor	Driver's side impact sensor
21	E	Impact sensor	Passenger's side impact sensor
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	
27		Not used	
28		Not used	
29		Not used	

E = Input, A = Output, M = Ground



compact



Pin Assignments

Pin	Type	Description/Function	Connection
30		Not used	
31		Not used	
32		Not used	
33		Not used	
34	A	Crash signal	Body electronics control module (ZKE IV)

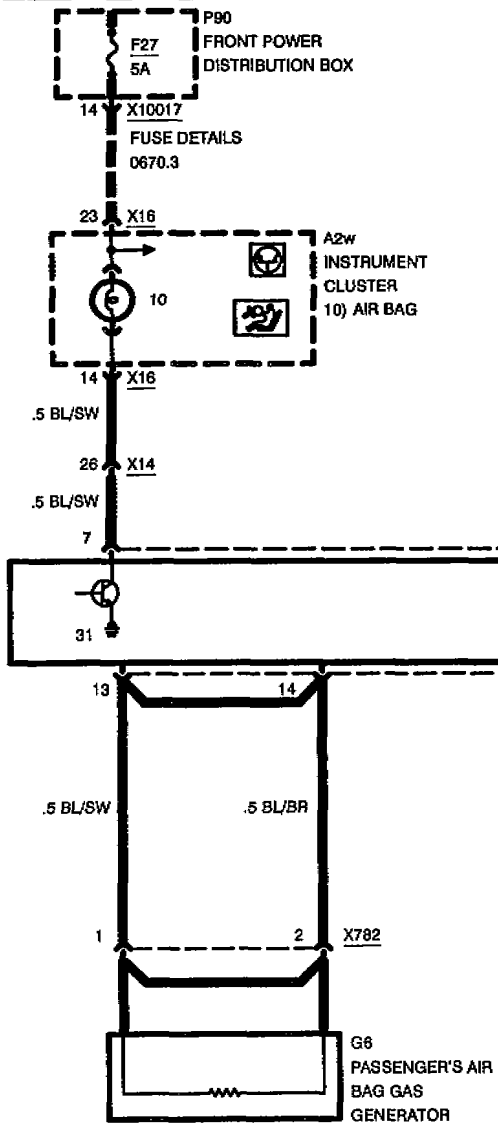
E = Input, A = Output, M = Ground



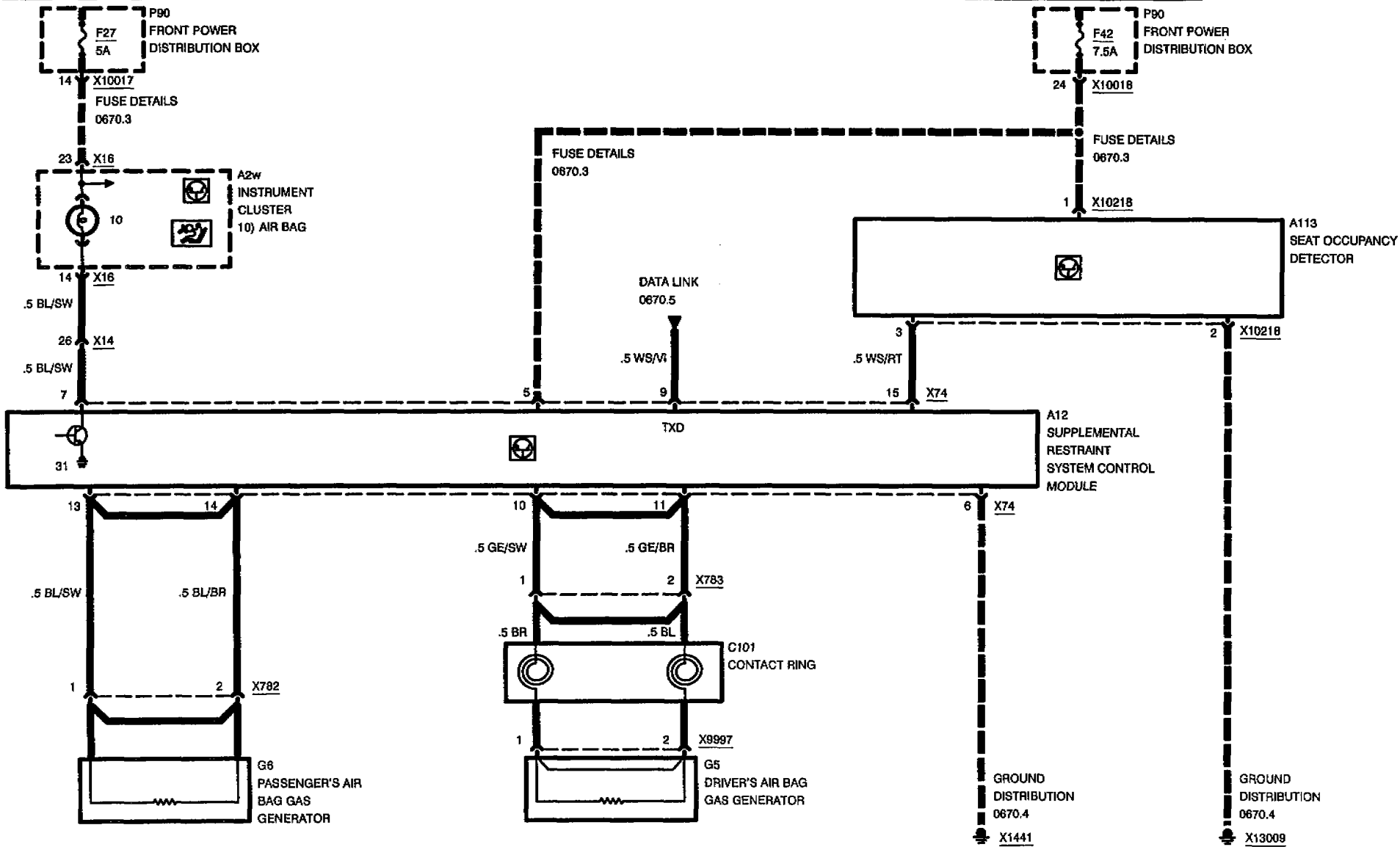
3234.0

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

HOT IN RUN AND START



HOT IN ACCY, RUN AND START



SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

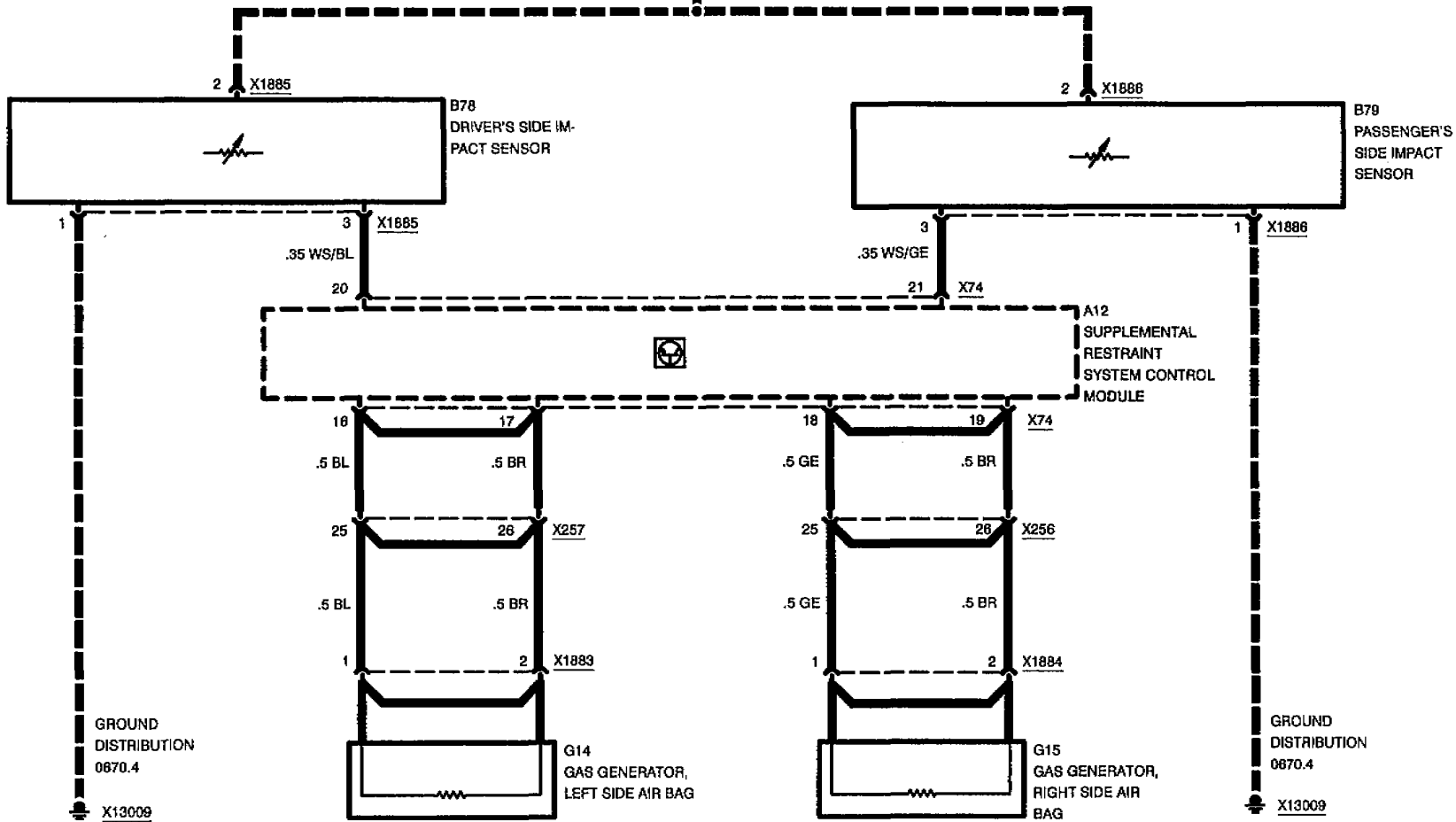
HOT IN ACCY, RUN AND START



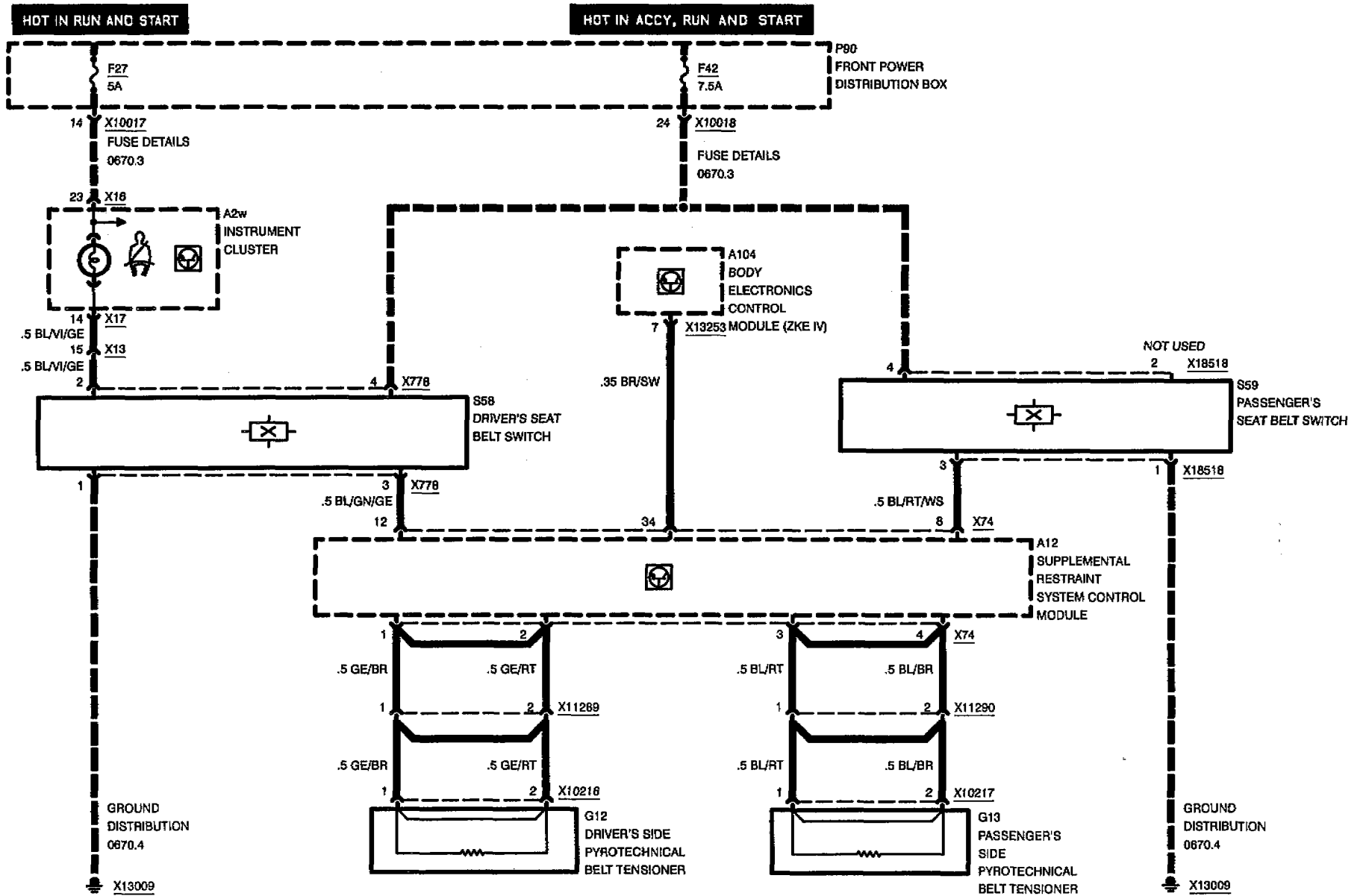
FUSE DETAILS
0670.3

THE DRIVER'S AND PASSENGER'S AND SIDE AIR BAG GENERATORS ARE FITTED WITH SHORTING BRIDGES.

THE BRIDGES SHORT THE GENERATOR LEADS TOGETHER TO PREVENT UNINTENTIONAL TRIGGERING OF THE IGNITER WHEN WORKING ON THE AIR BAG SYSTEM.



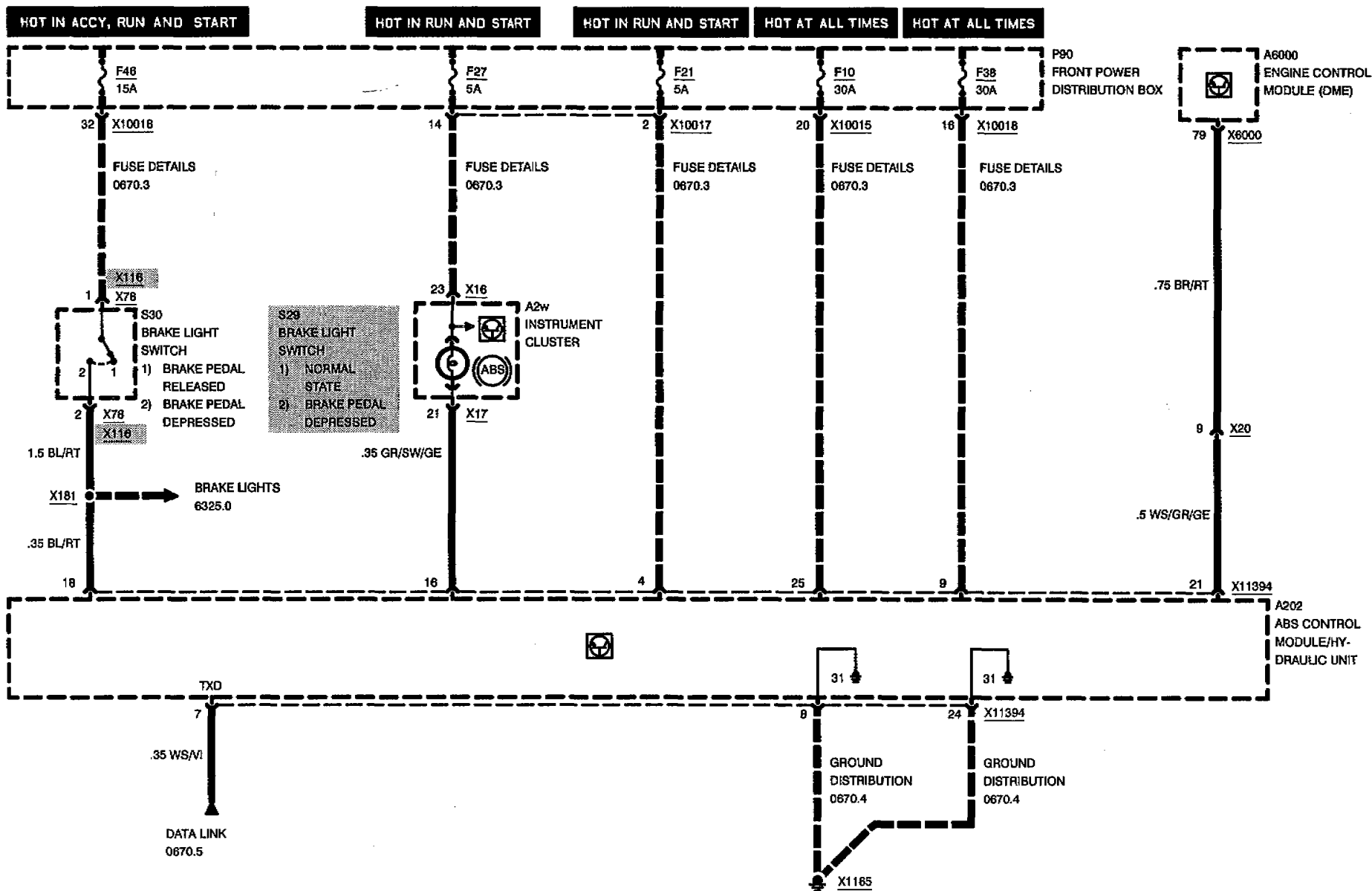
SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)





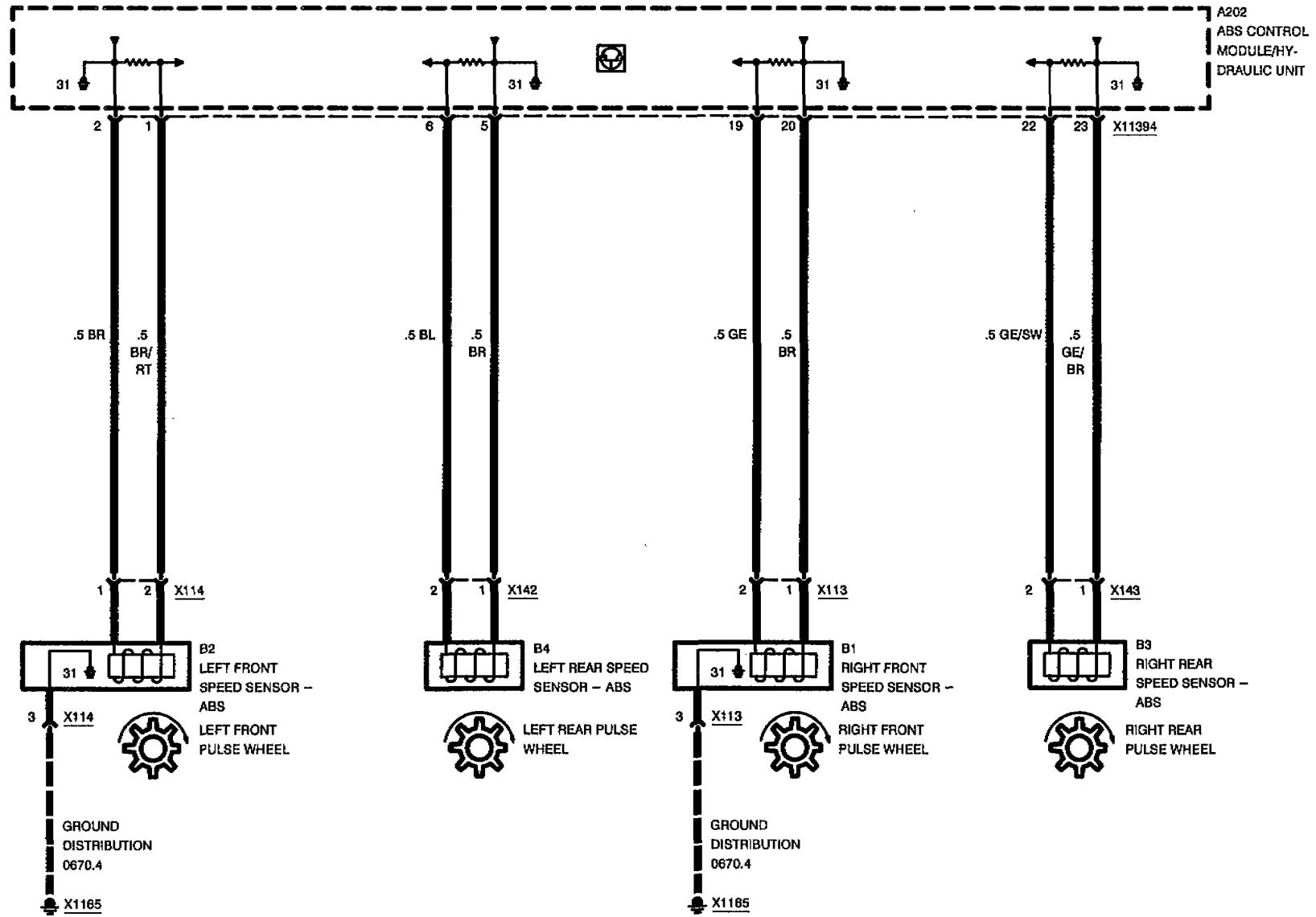
3450.0

SLIP CONTROL (ABS)



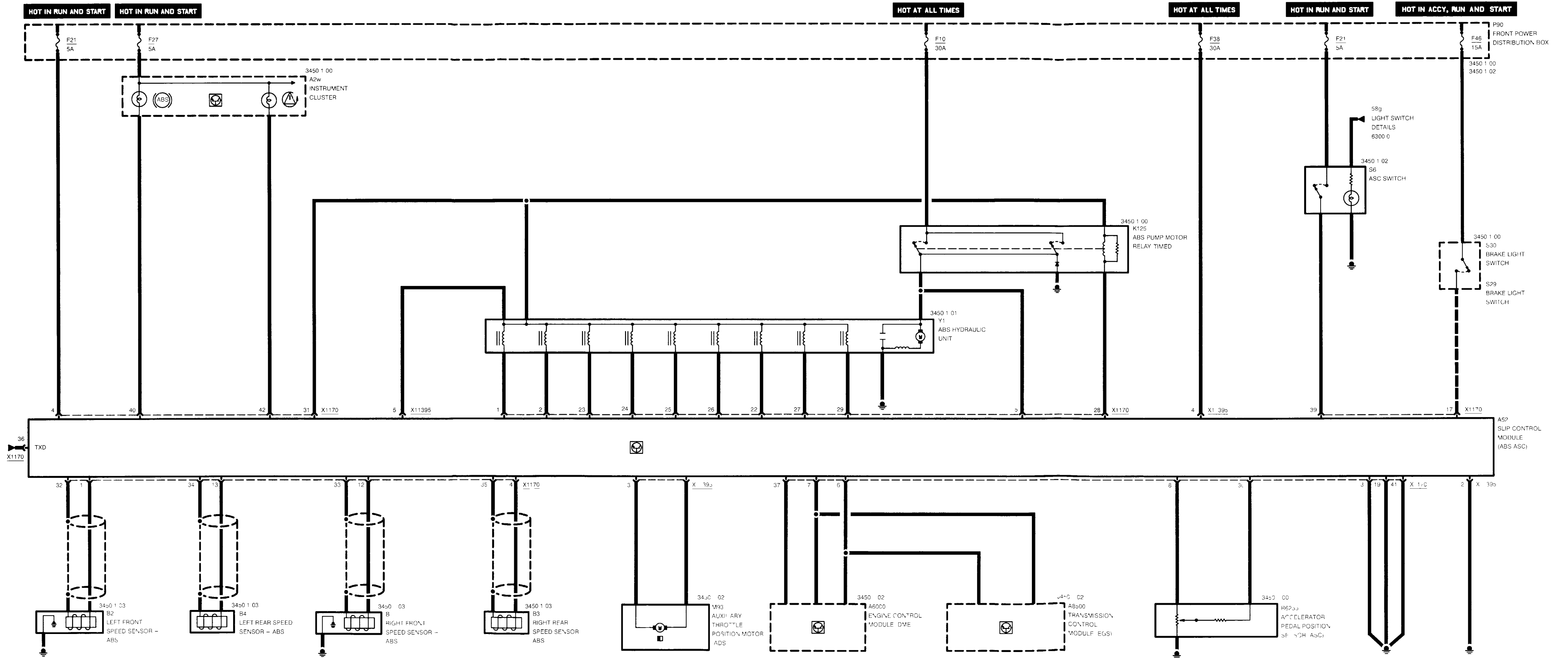


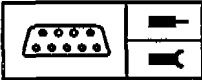
SLIP CONTROL (ABS)





3450.0-02





Pin Assignments

X1170

Pin	Type	Description/Function	Connection
1	A	Left front outlet valve	ABS hydraulic unit
2	A	Left front inlet valve	ABS hydraulic unit
3	M	Ground	Ground point
4	E	Voltage supply	Fuse 21
5		Not used	
6	E/A	CAN-LOW	DME/EGS module
7	E/A	CAN-HIGH	DME/EGS module
8	A	Accelerator pedal position, voltage	Accelerator pedal position sensor (ASC)
9	M	Accelerator pedal position, ground	Accelerator pedal position sensor (ASC)
10		Not used	
11	E	Speed signal	Left front speed sensor ABS
12	E	Speed signal	Right front speed sensor ABS
13	E	Speed signal	Left rear speed sensor ABS
14	E	Speed signal	Right rear speed sensor ABS
15	E	Signal pump motor	ABS pump motor relay
16		Not used	
17	E	Brake pedal position	Brake light switch
18		Not used	
19	M	Ground	Ground point
20		Not used	
21		Not used	
22	A	Right rear outlet valve	ABS hydraulic unit
23	A	Right front inlet valve	ABS hydraulic unit
24	A	Right front outlet valve	ABS hydraulic unit
25	A	Left rear outlet valve	ABS hydraulic unit
26	A	Left rear inlet valve	ABS hydraulic unit
27	A	Right rear inlet valve	ABS hydraulic unit
28	A	Activate relay	ABS pump motor relay
29	A	Seperator valve	ABS hydraulic unit
30	E	Accelerator pedal position, signal	Accelerator pedal position sensor (ASC)

E = Input, A = Output, M = Ground

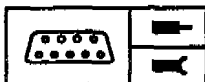


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1998



Pin Assignments

Pin	Type	Description/Function	Connection
31	A	ABS signal	ABS pump motor relay/Hydraulic unit
32	A	Sensor ground	Left front speed sensor ABS
33	A	Sensor ground	Right front speed sensor ABS
34	A	Sensor ground	Left rear speed sensor ABS
35	A	Sensor ground	Right rear speed sensor ABS
36	E/A	TxD diagnostic data link	Data link connector
37	A	Speed signal, right rear	DME module
38		Not used	
39	E	ASC signal	ASC switch
40	A	ABS signal	Instrument cluster
41	M	Ground	Ground point
42	A	ASC signal	Instrument cluster

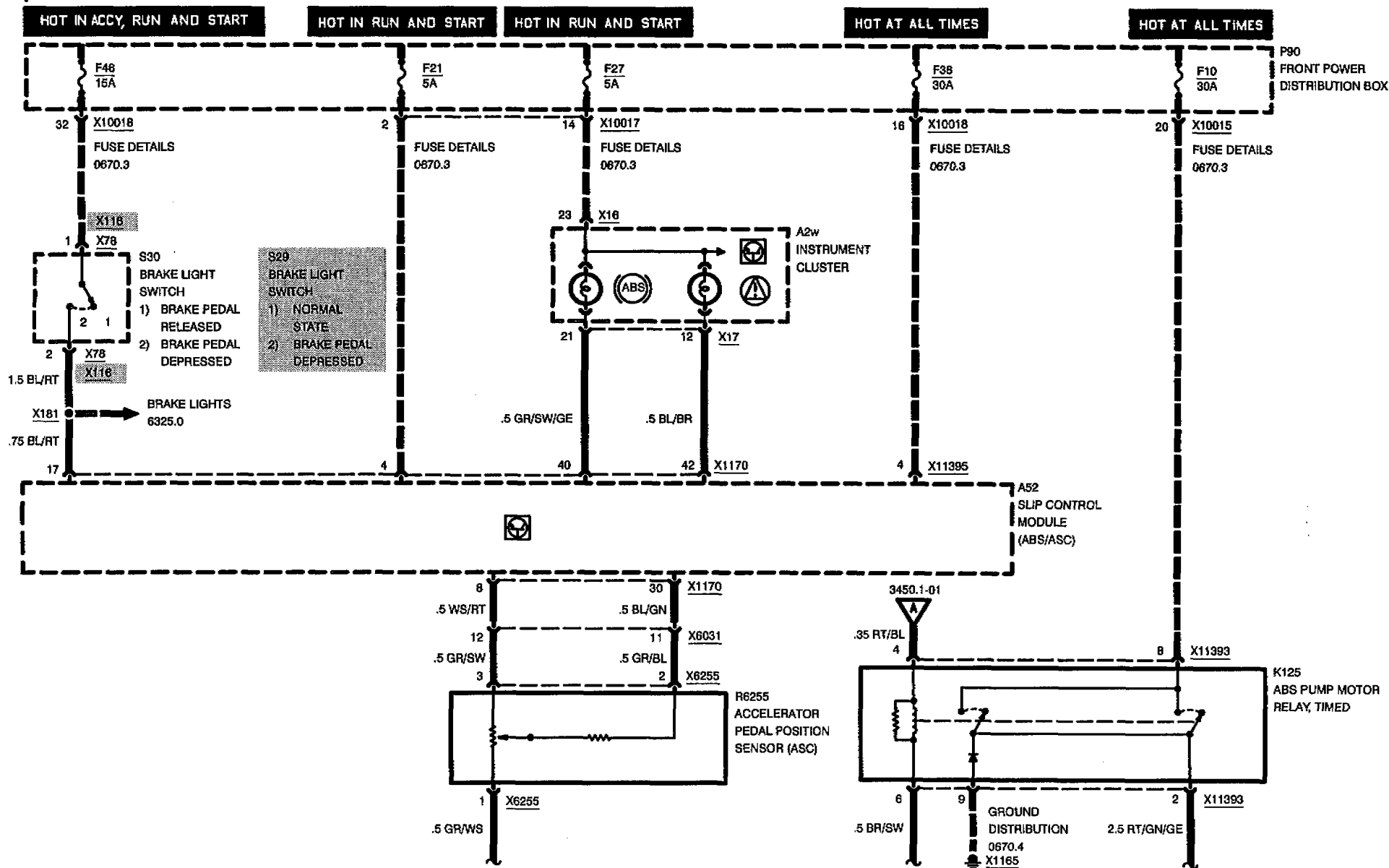
X11395

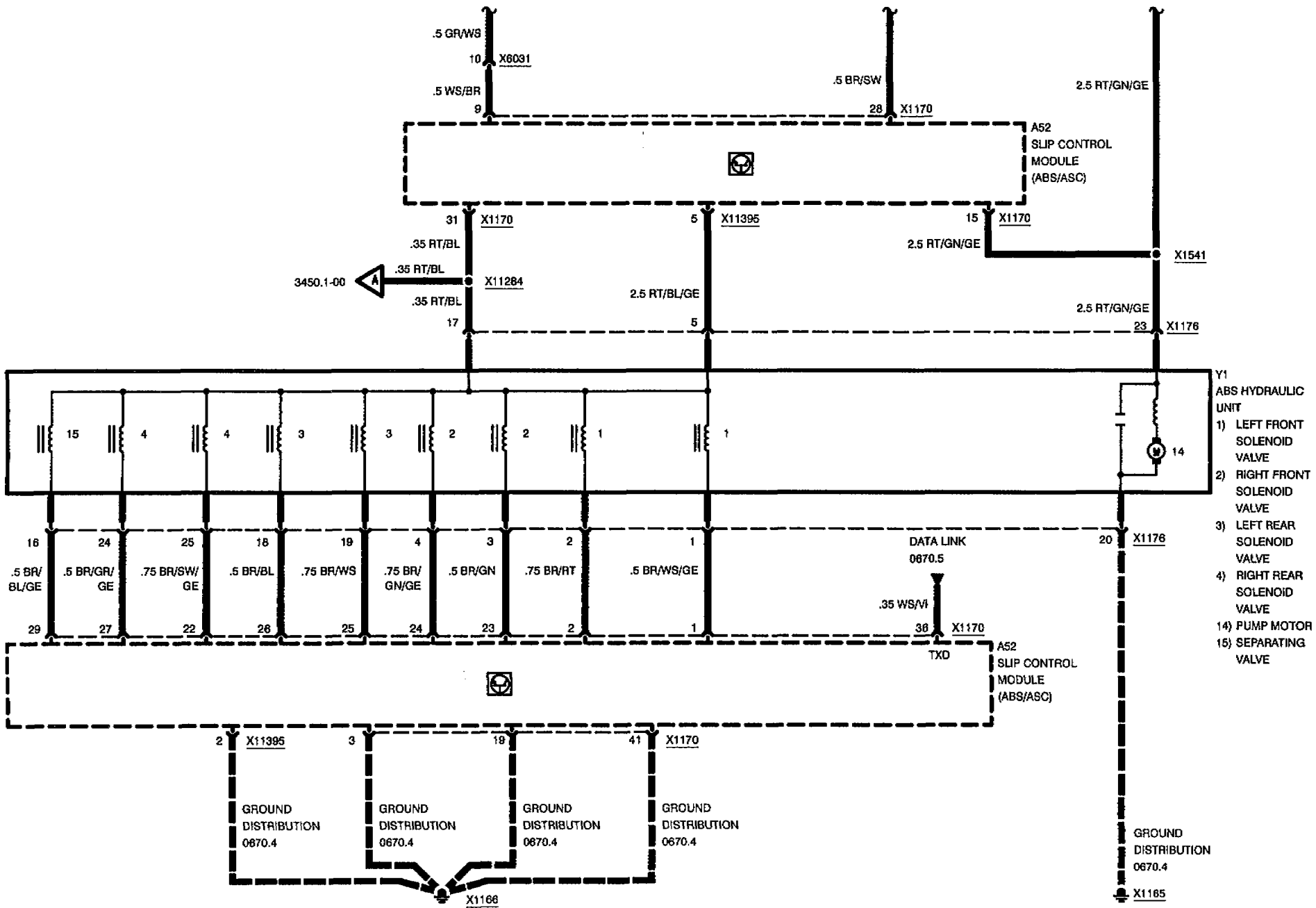
Pin	Type	Description/Function	Connection
1	A	Auxiliary throttle position, voltage	Auxiliary throttle position motor (ADS)
2	M	Ground	Ground point
3	A	Auxiliary throttle position, ground	Auxiliary throttle position motor (ADS)
4	E	Voltage supply	Fuse 38
5	A	ABS signal	ABS hydraulic unit

E = Input, A = Output, M = Ground



SLIP CONTROL (ABS/ASC)





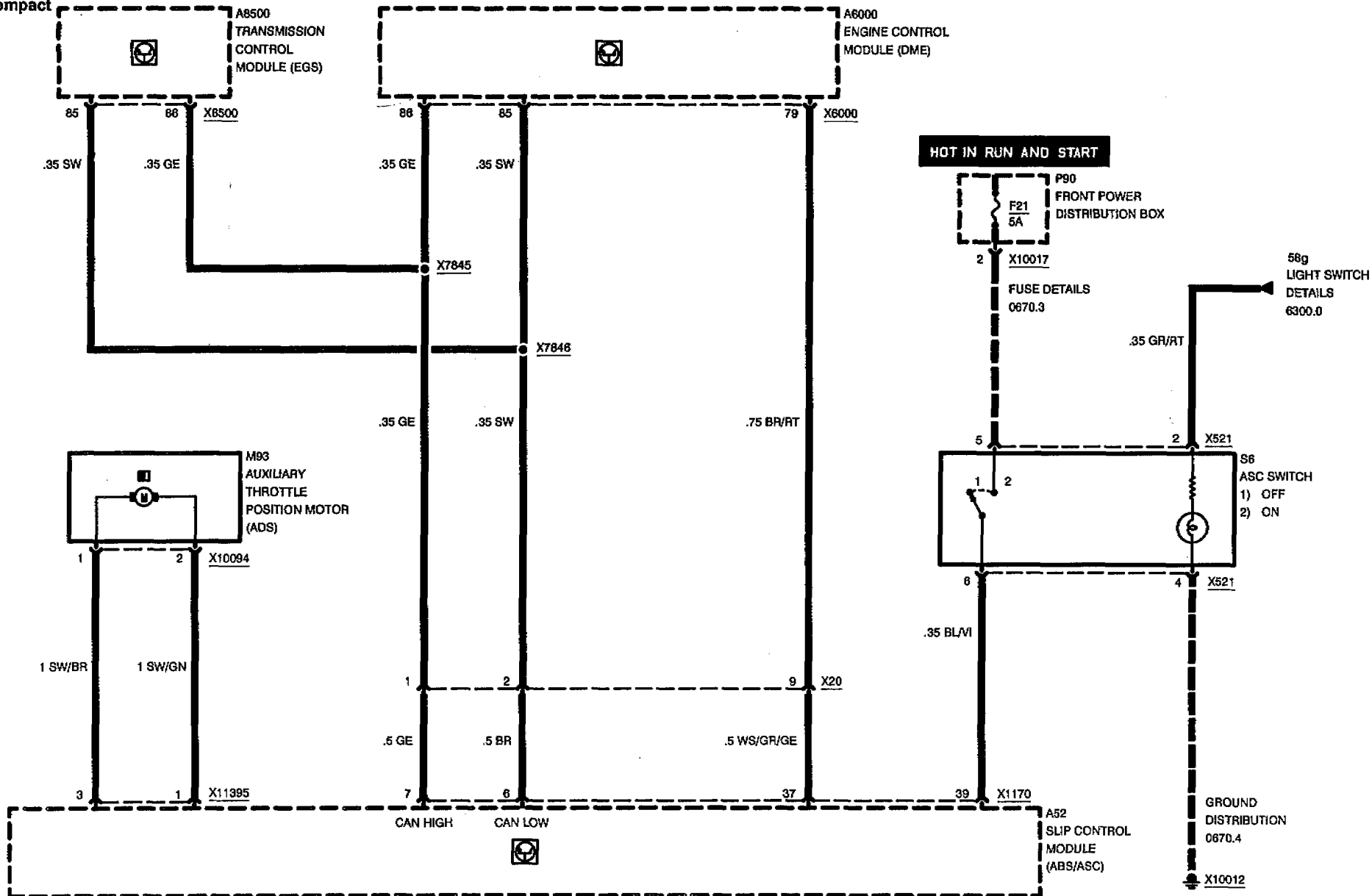
3450.1-00





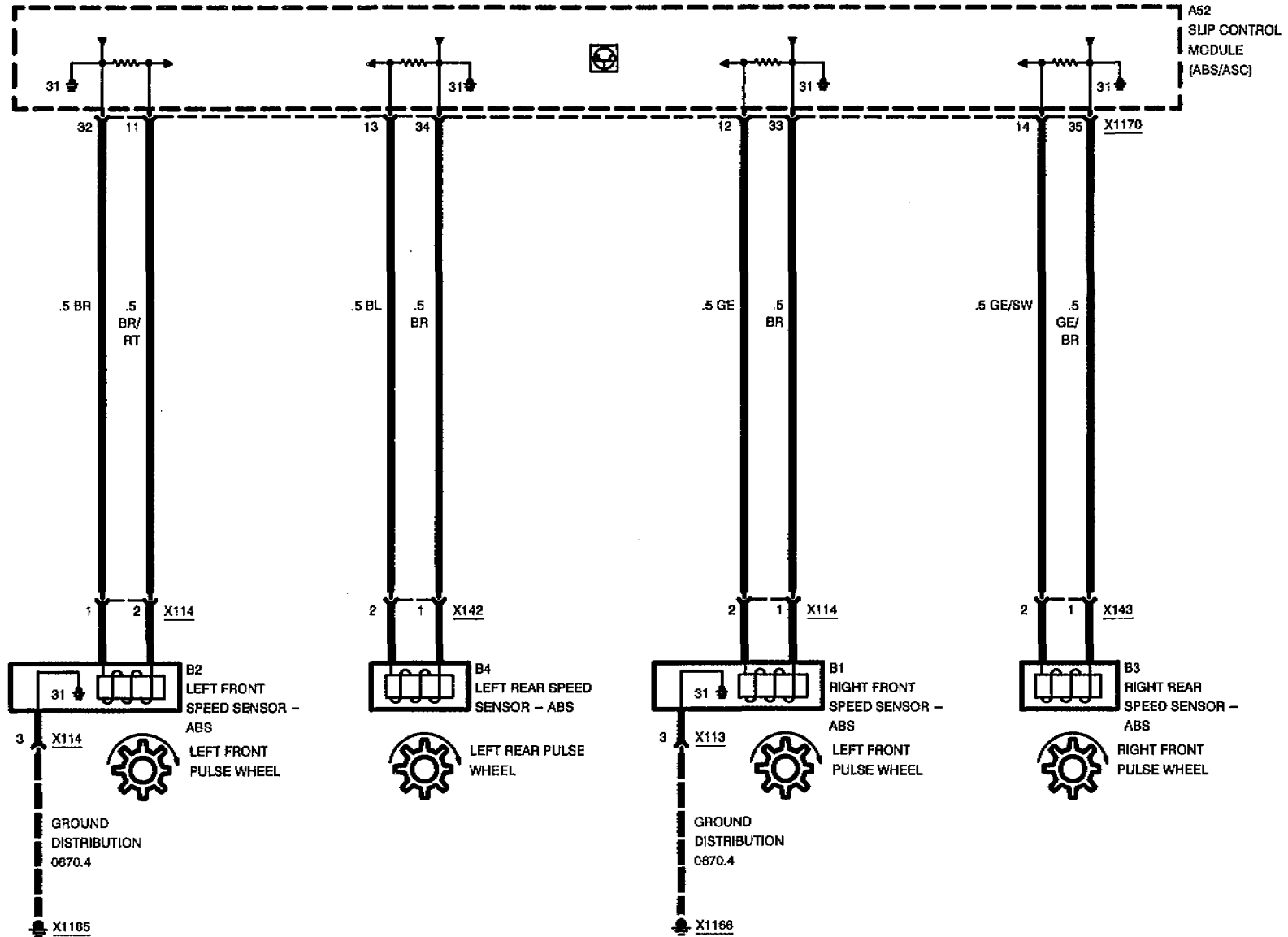
SLIP CONTROL (ABS/ASC)

compact





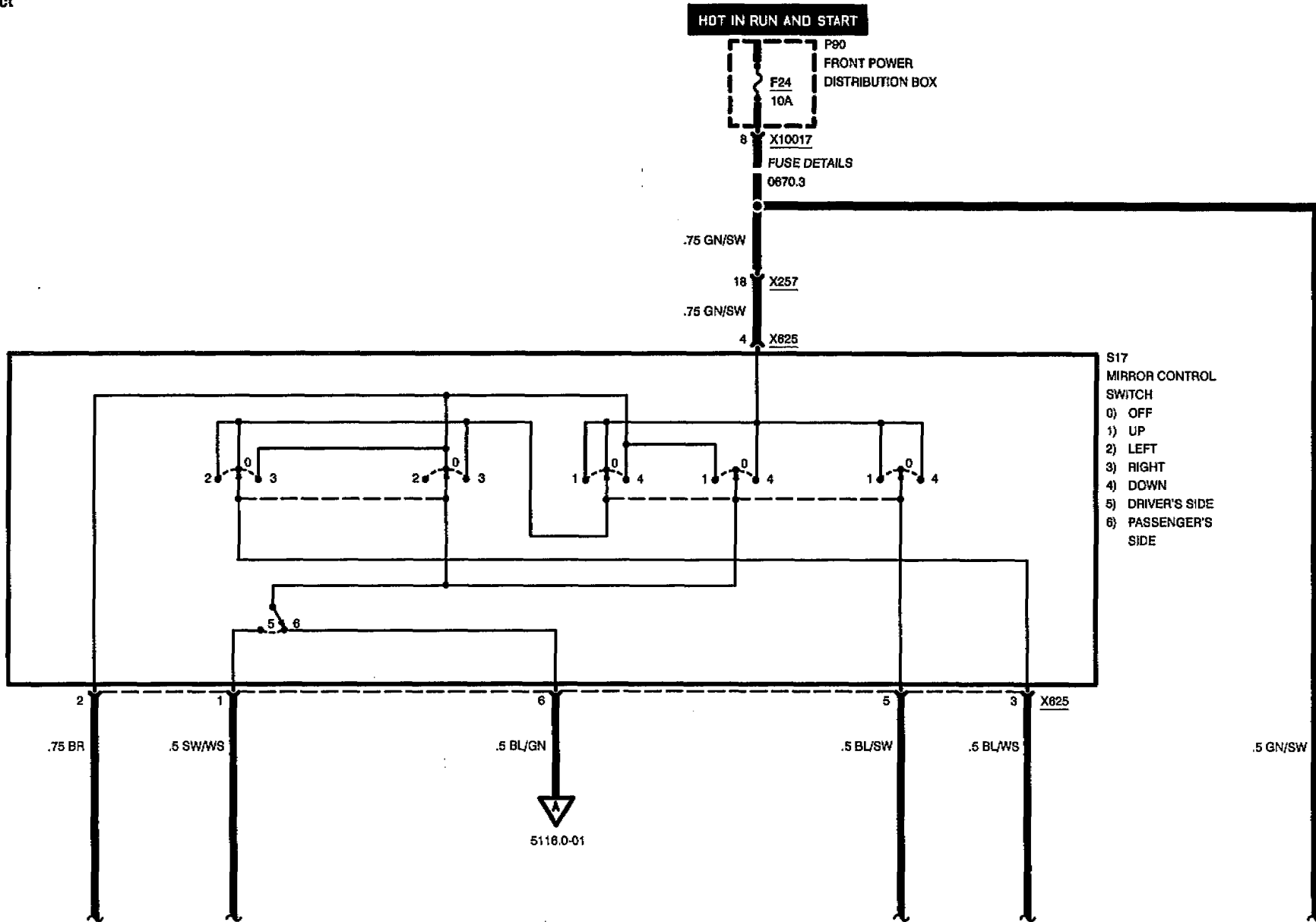
SLIP CONTROL (ABS/ASC)

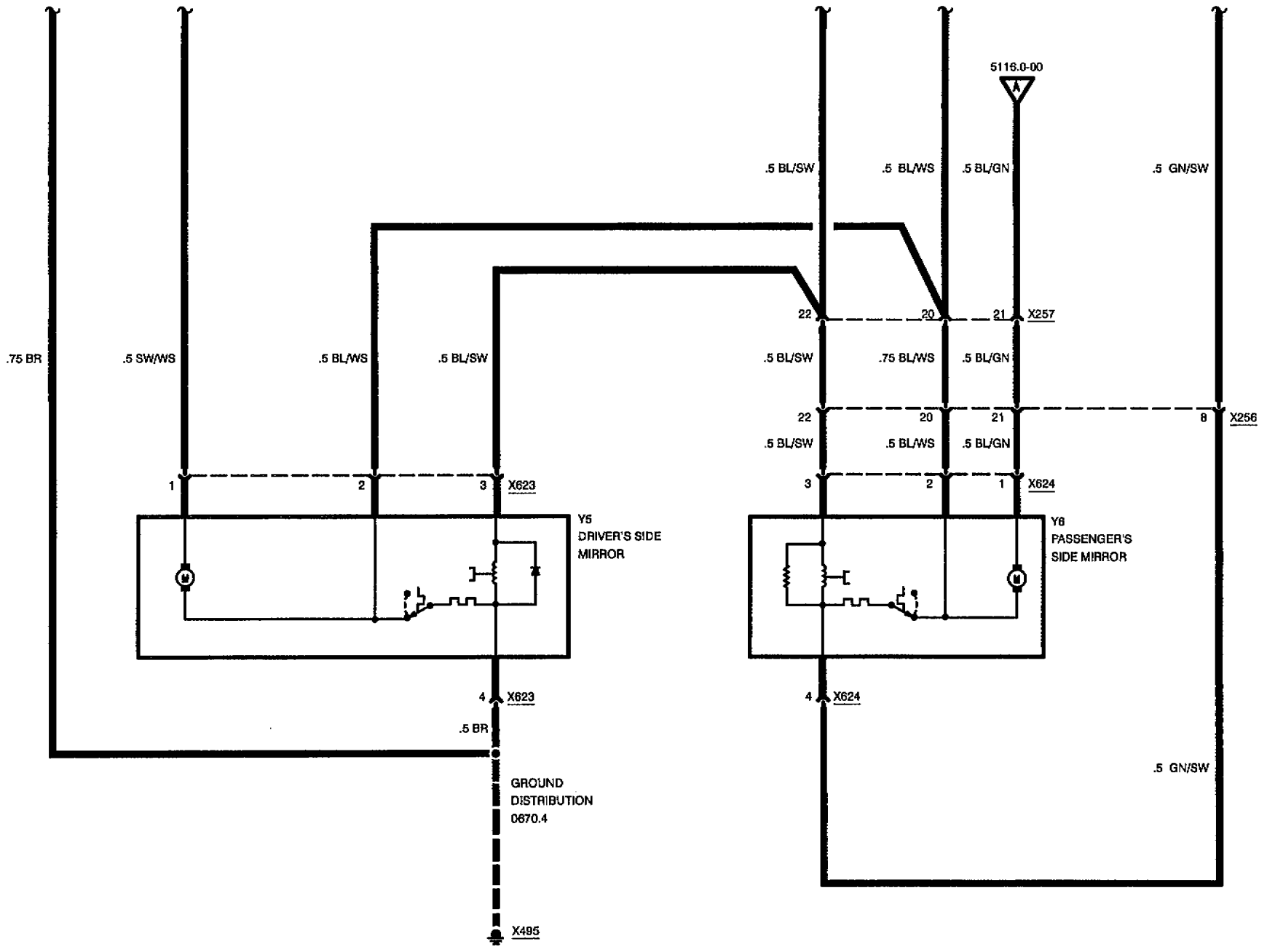




POWER MIRRORS

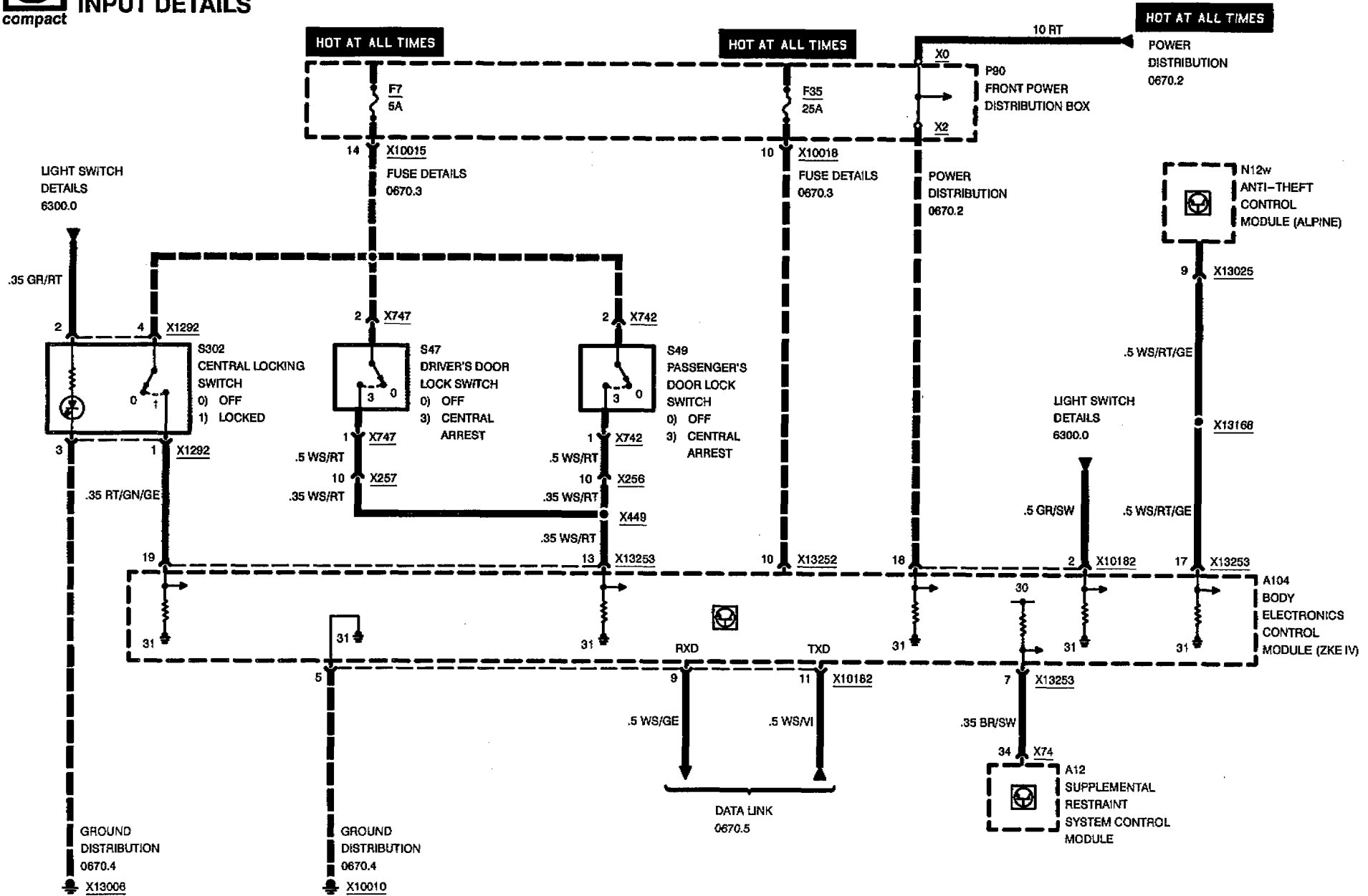
OUTSIDE MIRROR





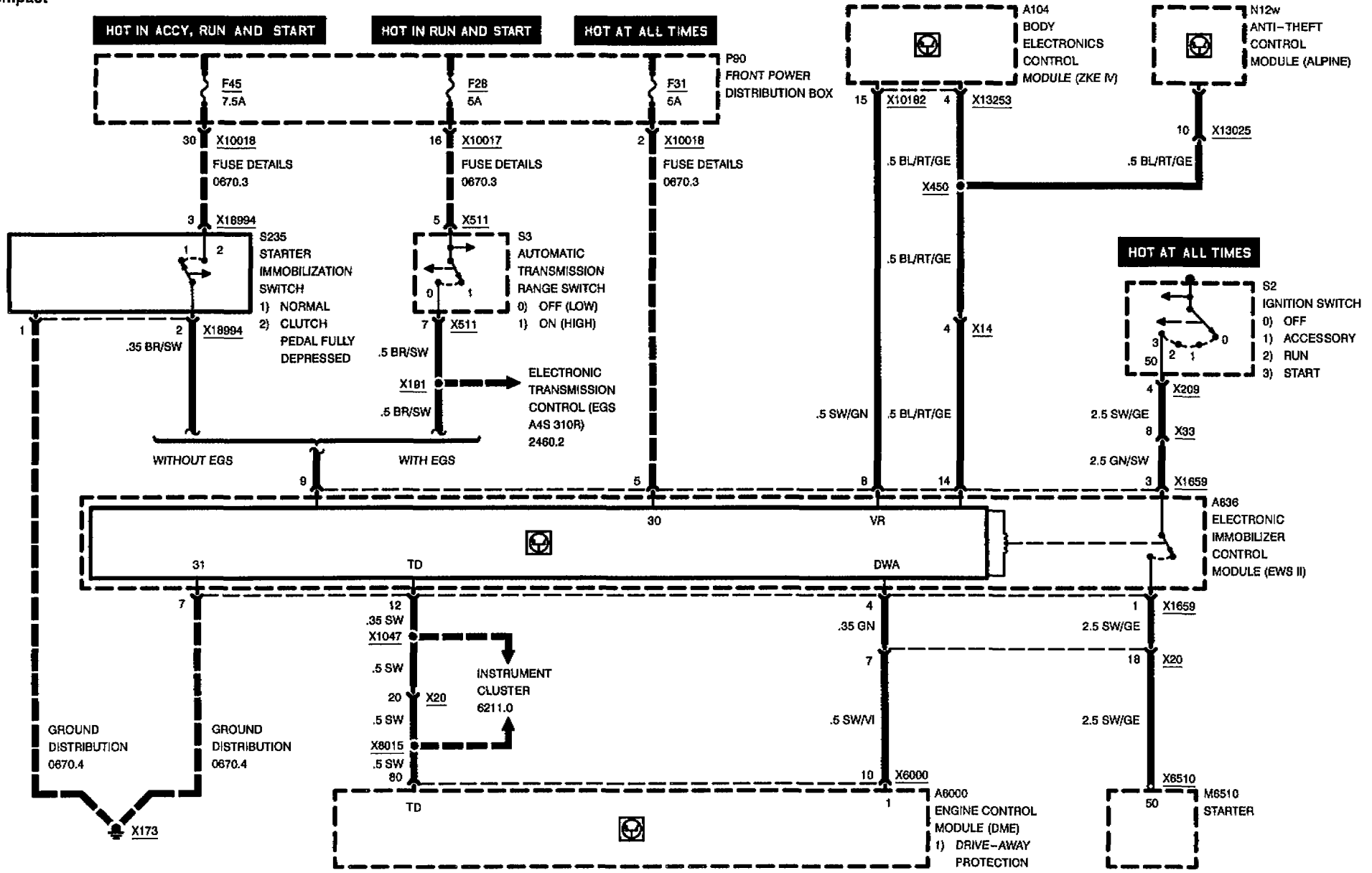
ZKE CENTRAL LOCKING (ZV)

INPUT DETAILS

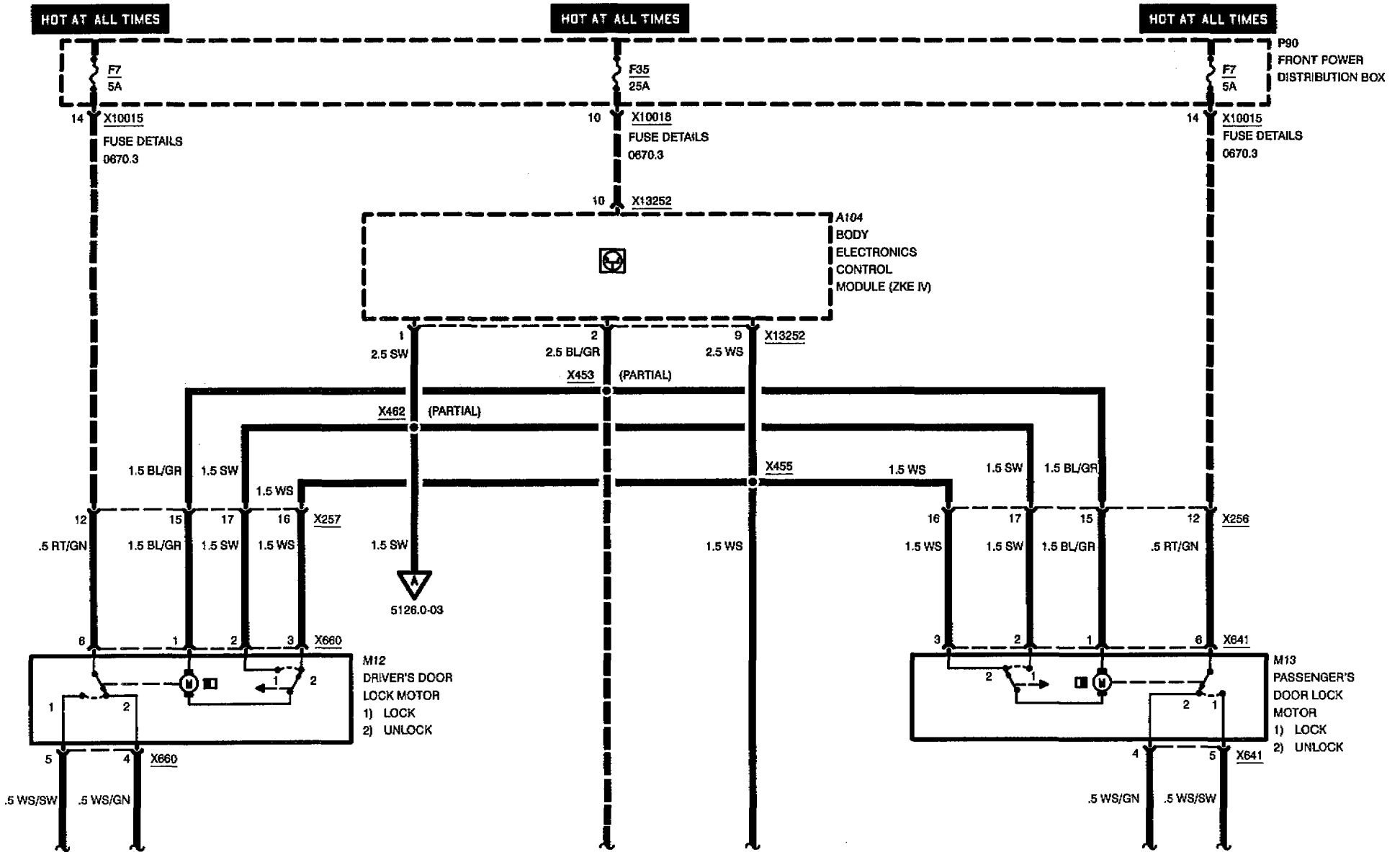


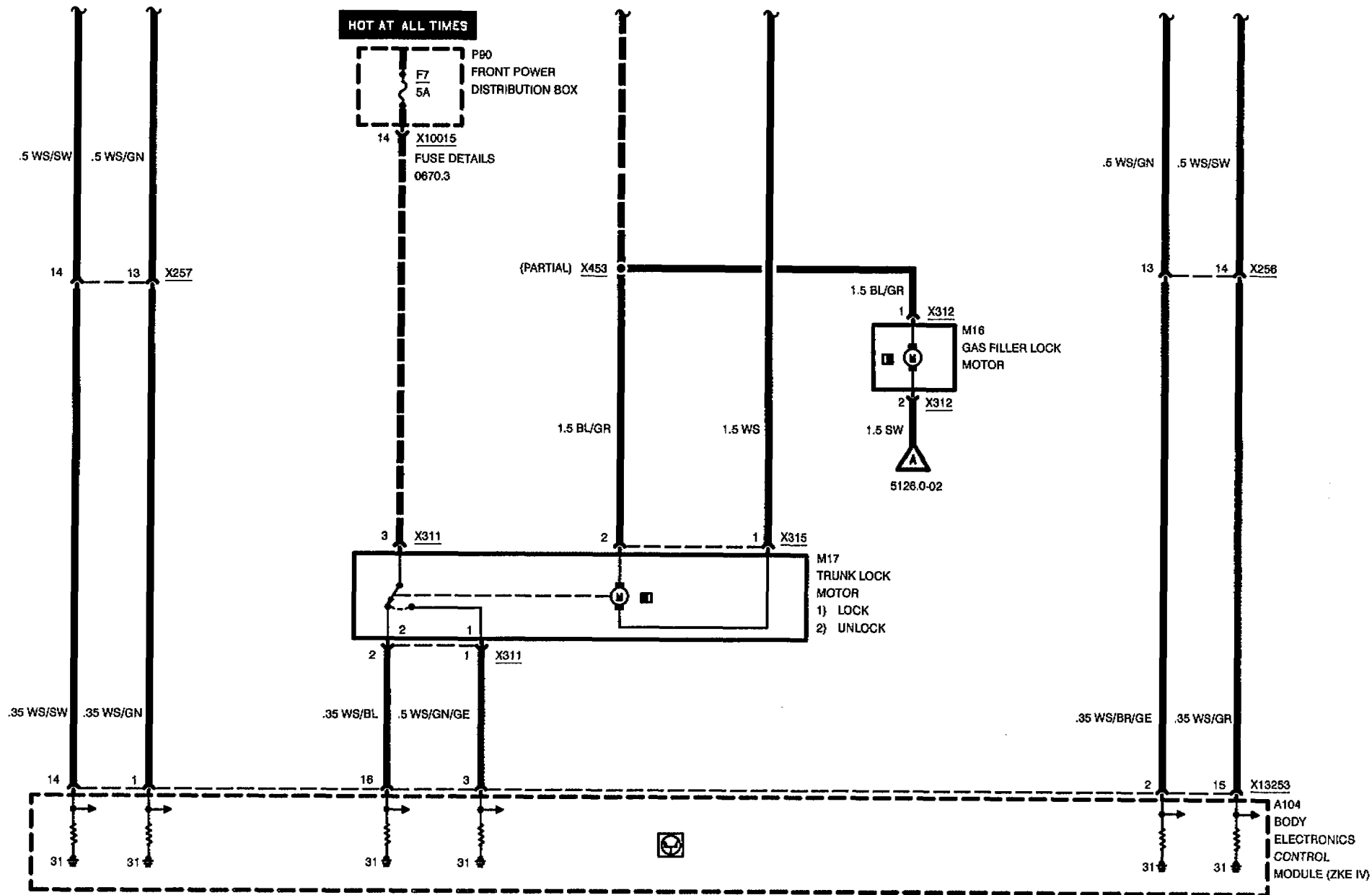


ZKE CENTRAL LOCKING (ZV) DRIVE-AWAY PROTECTION

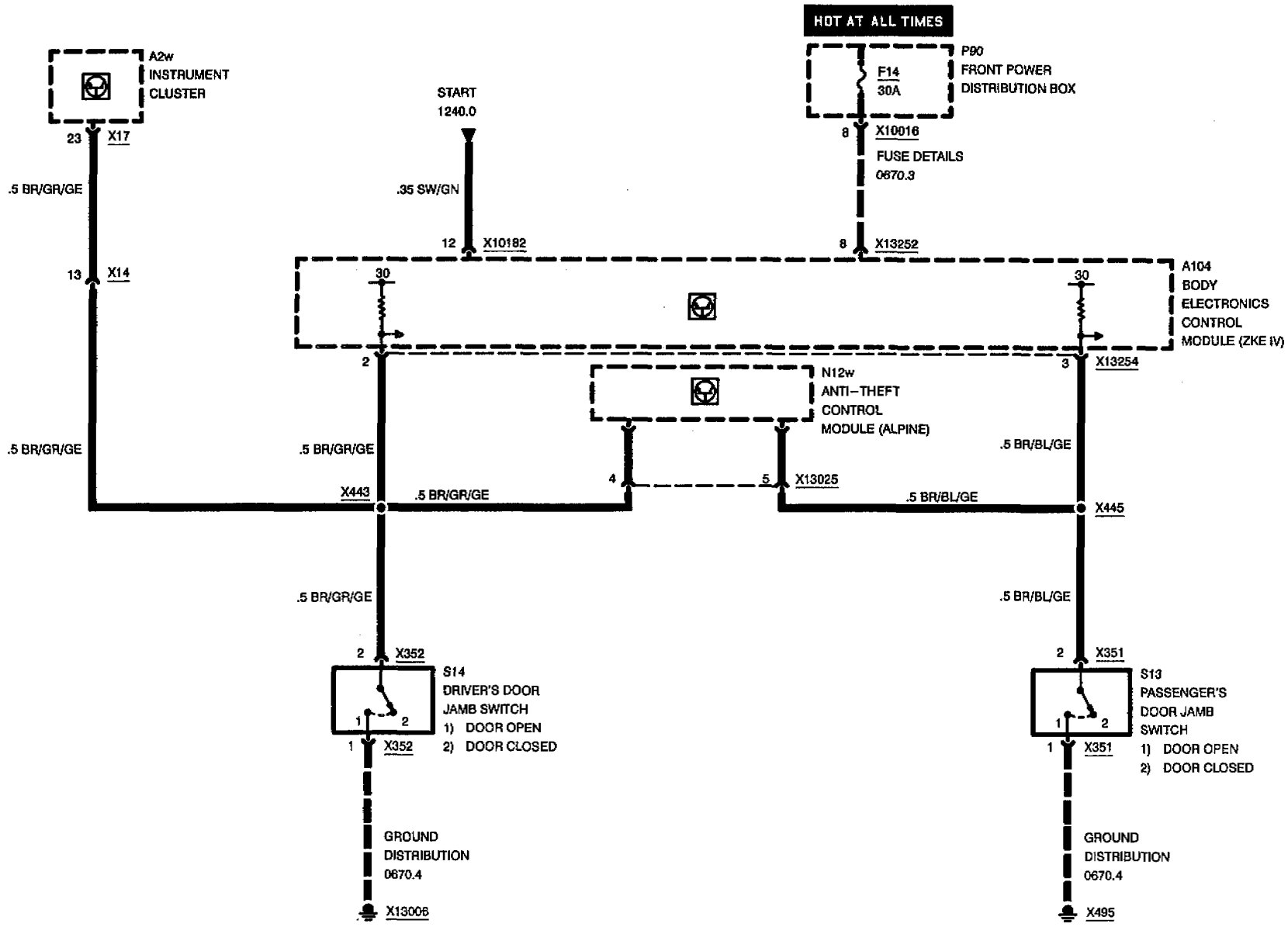


ZKE CENTRAL LOCKING (ZV) OUTPUT DETAILS





POWER WINDOWS (FH)
INPUT DETAILS

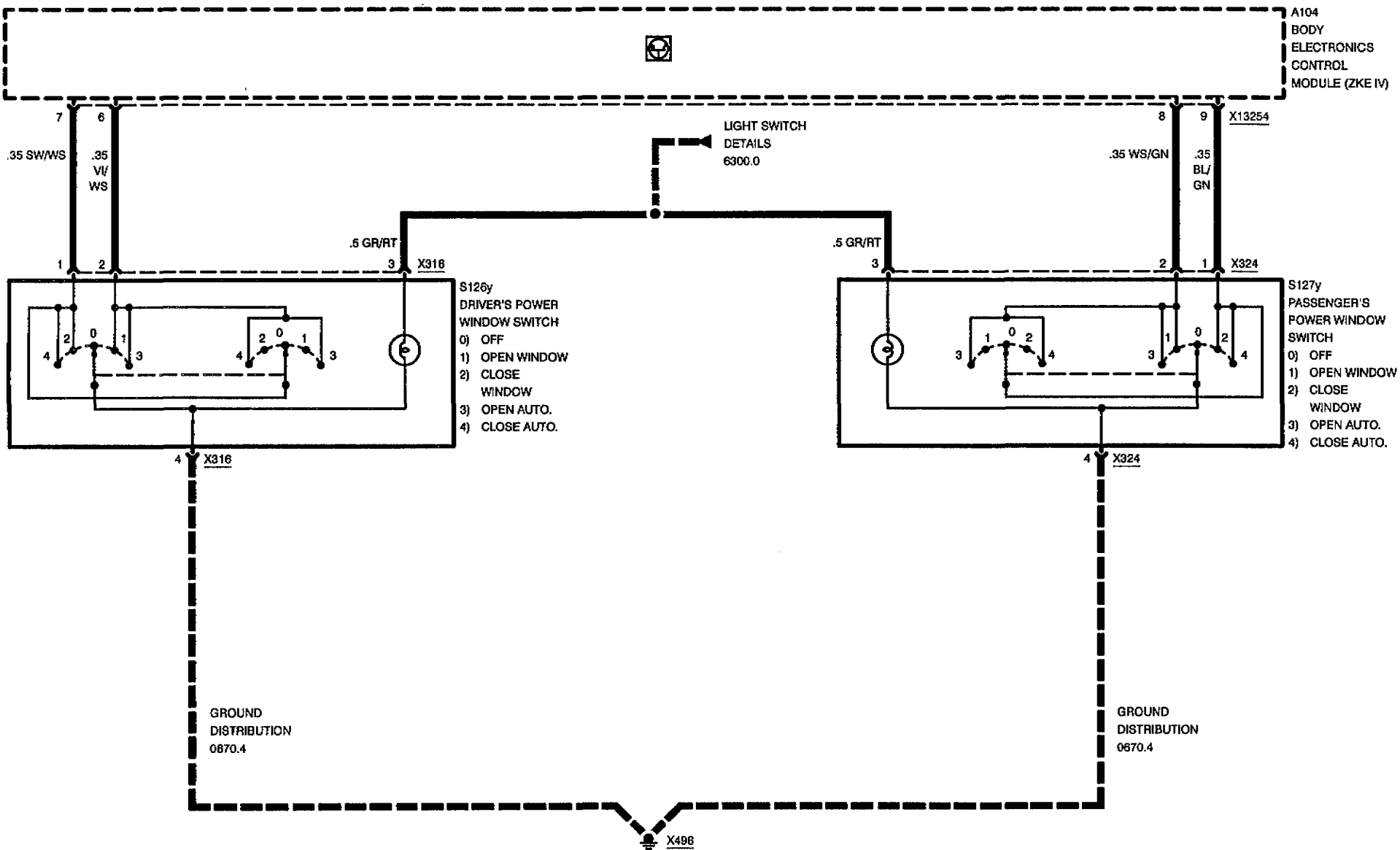




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POWER WINDOWS (FH)

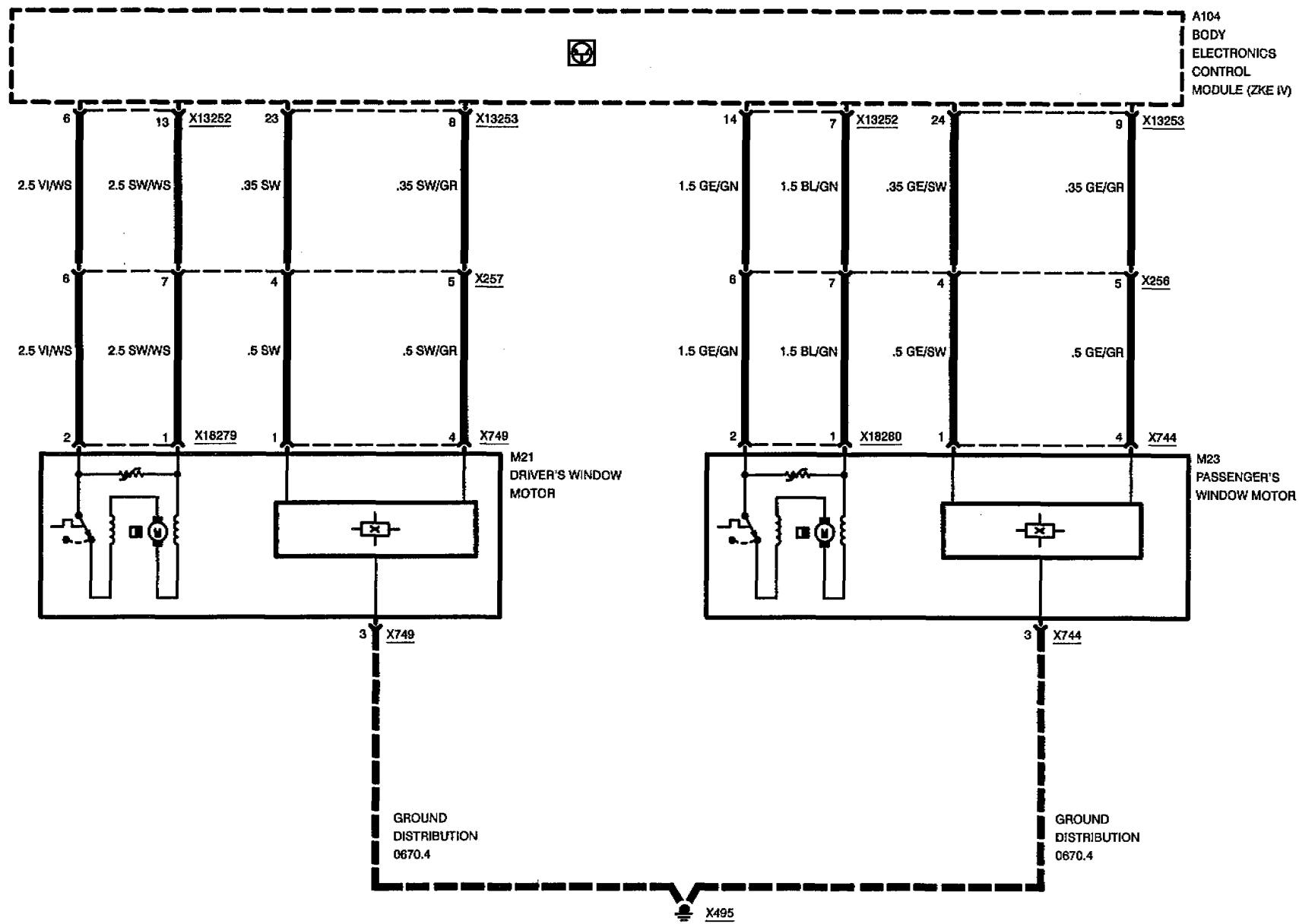
INPUT DETAILS





POWER WINDOWS (FH)

OUTPUT DETAILS



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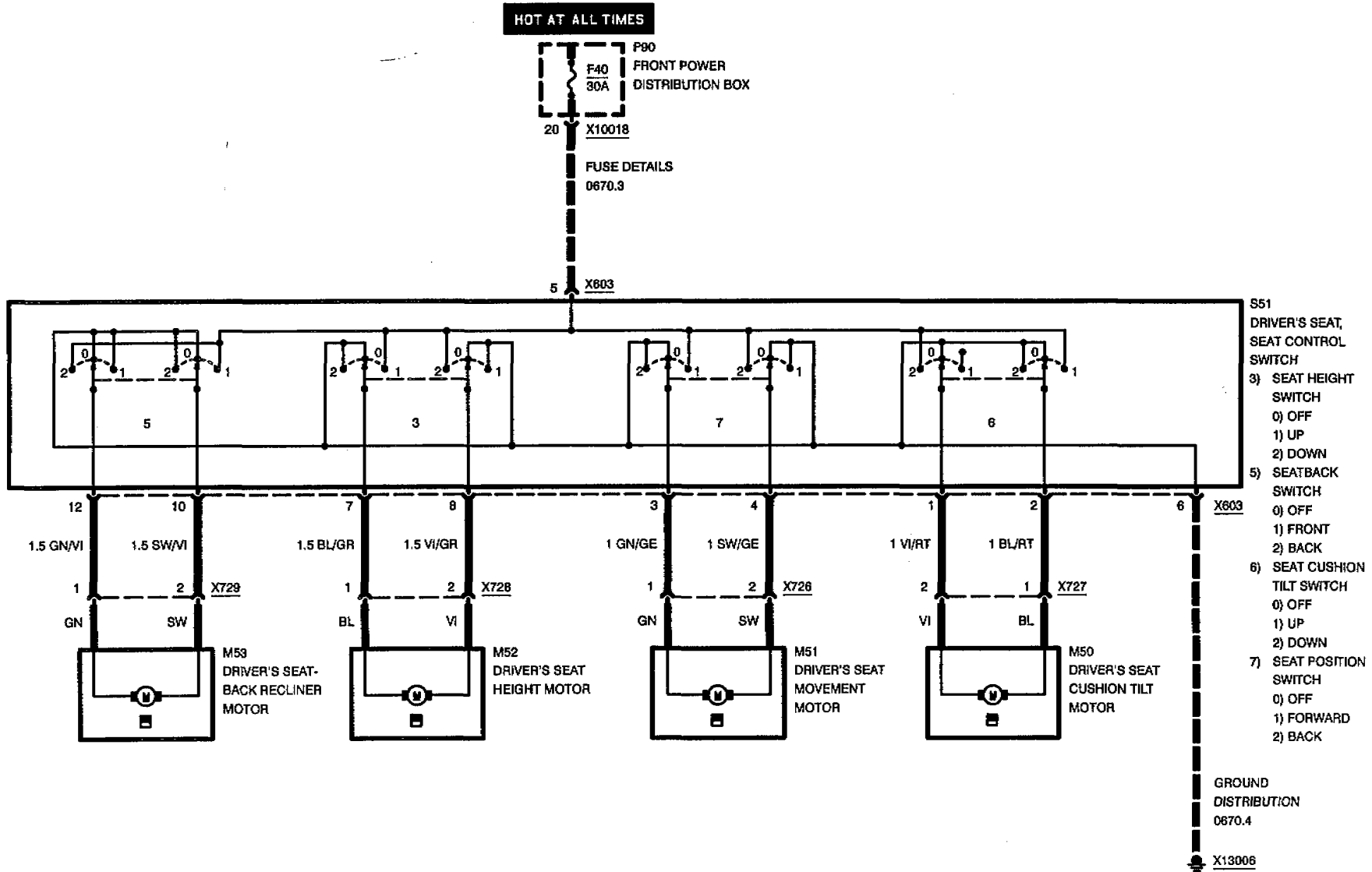
1998



compact

5200.0

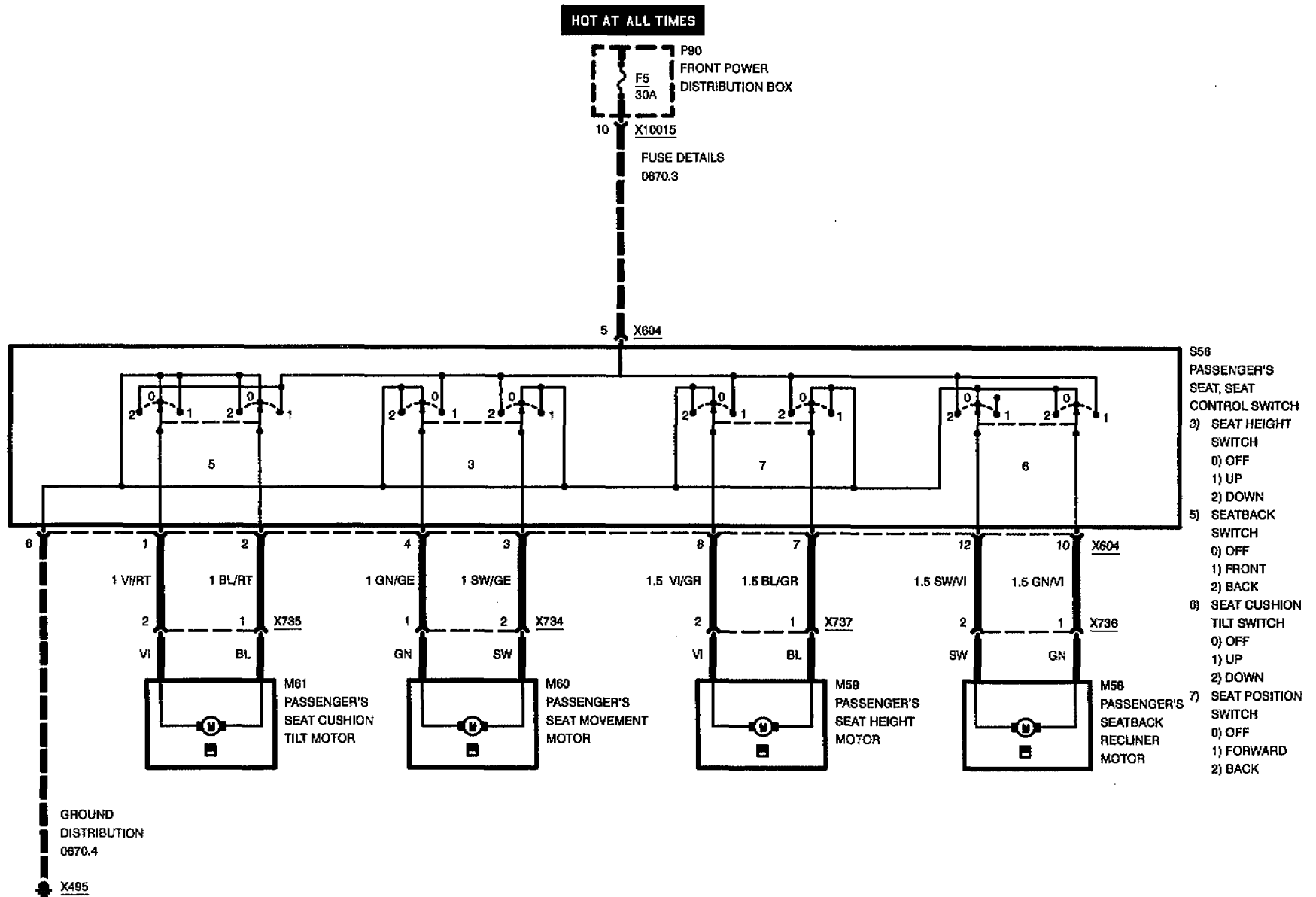
POWER SEATS
DRIVER'S SEAT





POWER SEATS

PASSENGER'S SEAT



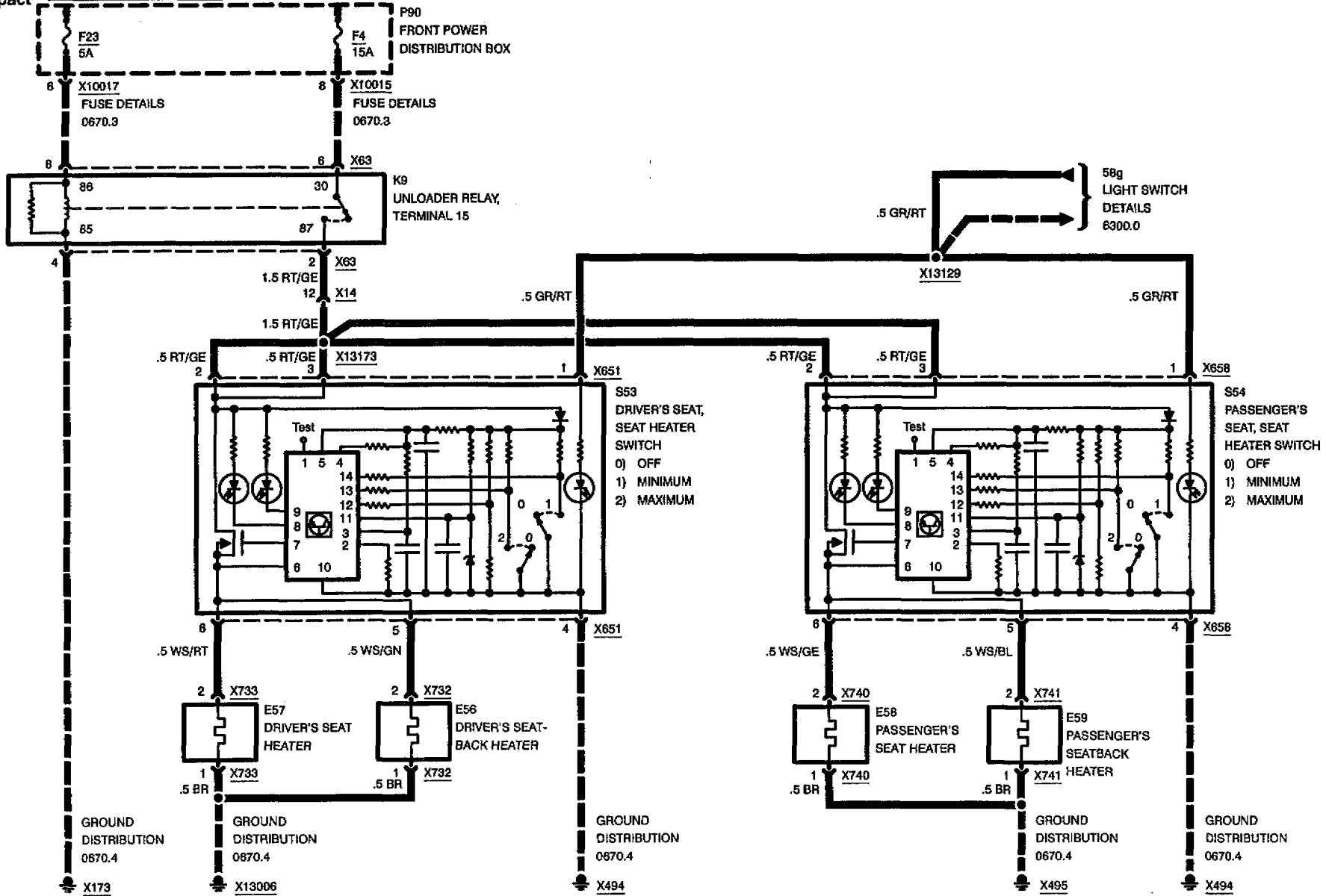


HEATED SEATS

compact

HOT IN RUN AND START

HOT AT ALL TIMES

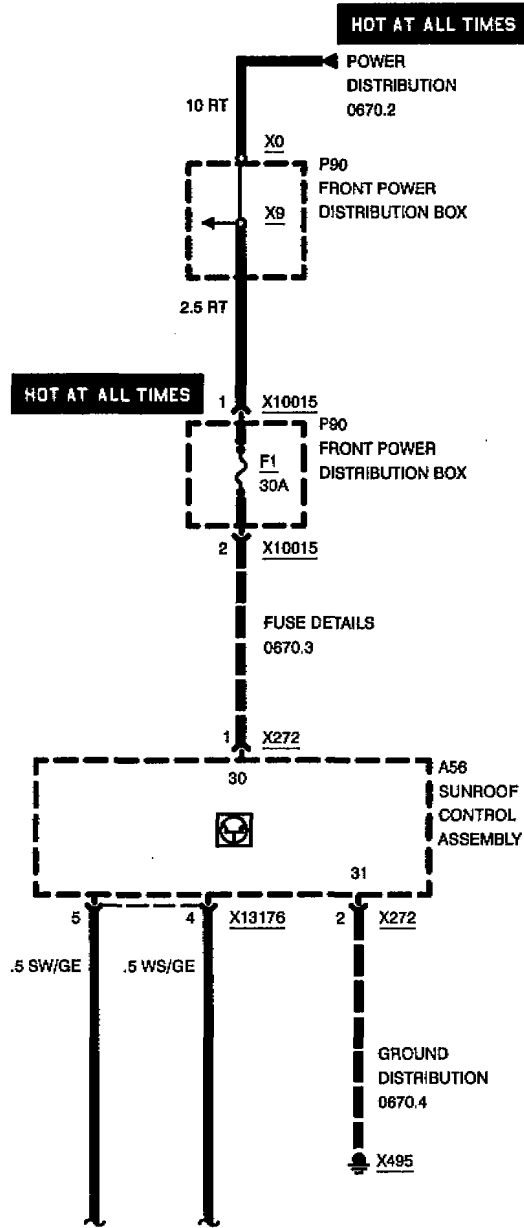


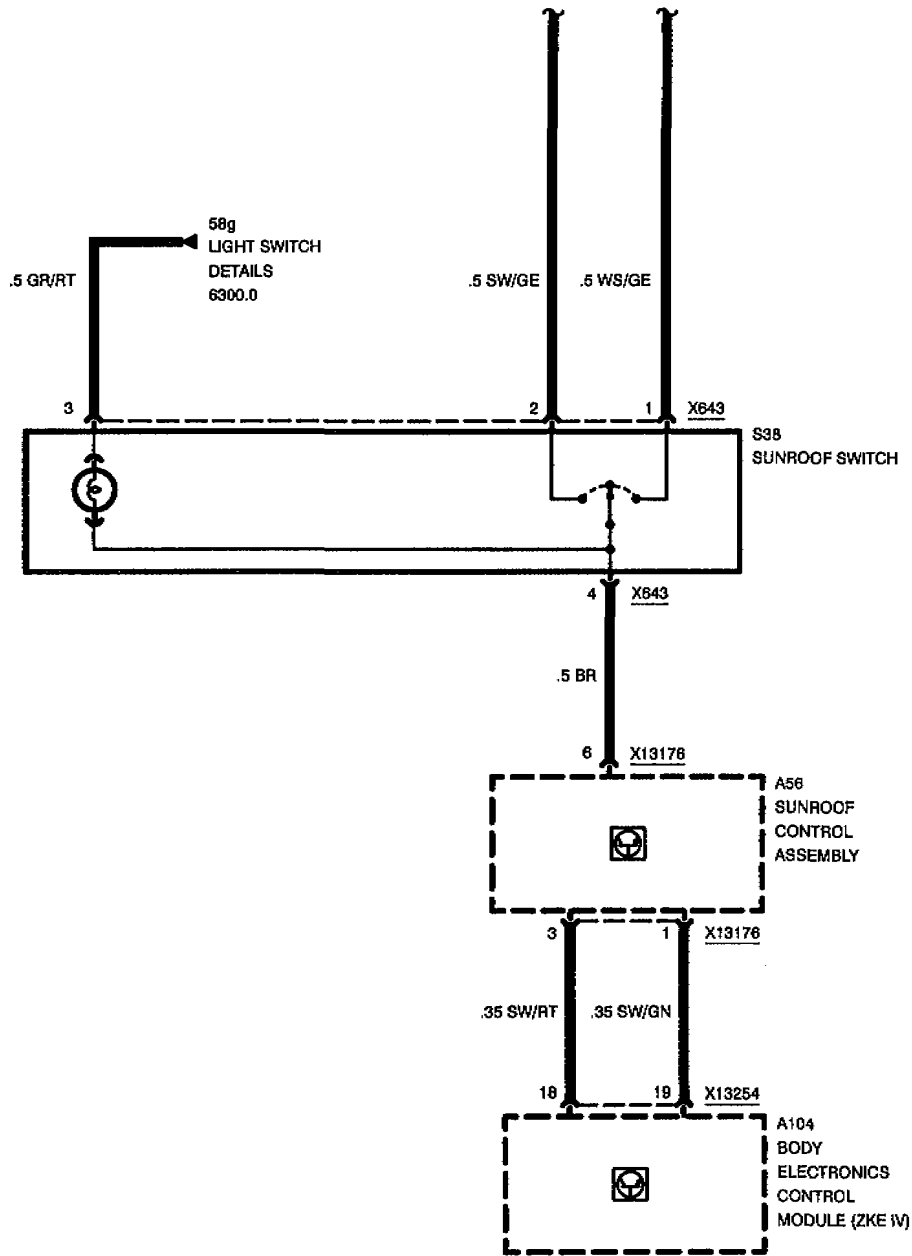


compact

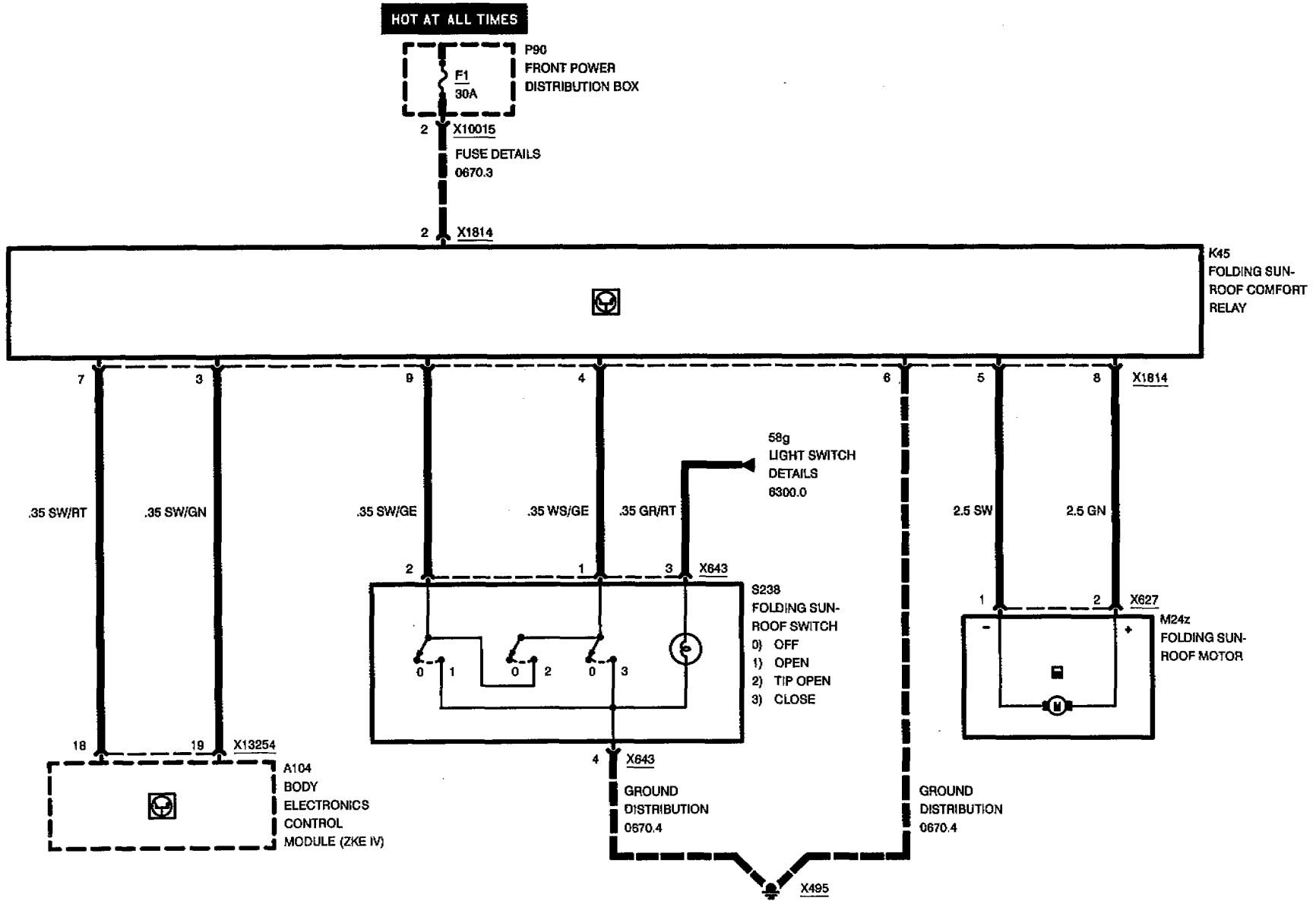


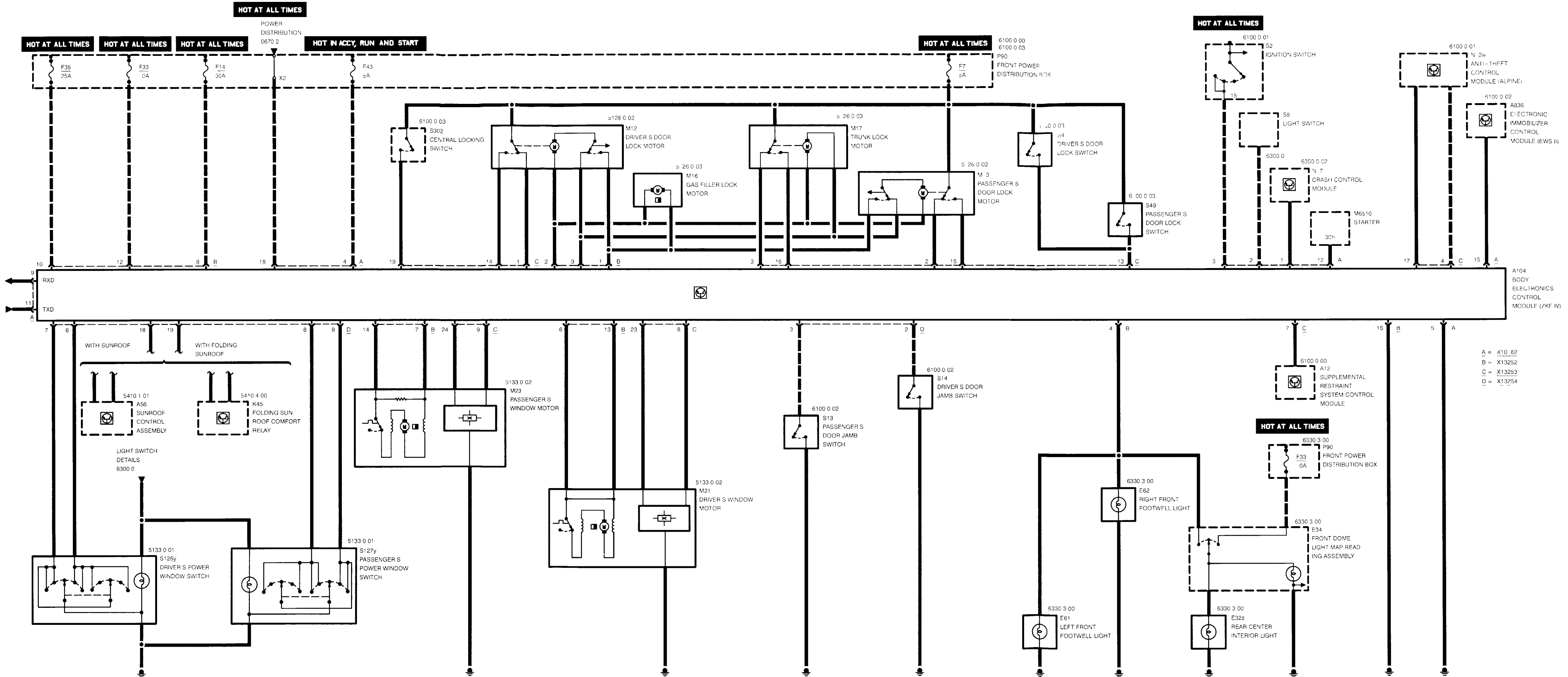
POWER SUN ROOF (SHD)





ELECTRIC FOLDING SUNROOF





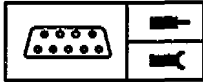


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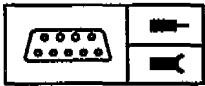
Pin Assignments

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

X10182

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

E = Input, A = Output, M = Ground



Pin Assignments

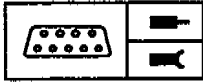
X13252

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

X13253

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

E = Input, A = Output, M = Ground



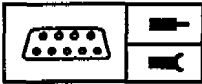
Pin Assignments

Pin	Type	Description/Function	Connection
11		Not used	
12		Not used	
13	E	Central arrest signal	Door lock switches
14	E	Lock signal	Door lock motor, driver's door
15	E	Lock signal	Door lock motor, passenger's door
16	E	Lock signal	Trunk lock motor
17	E	Data signal	Anti-theft system control module (Alpine)
18		Not used	
19	E	Lock signal	Central locking switch
20		Not used	
21		Not used	
22		Not used	
23	A	Voltage supply (revolution)	Driver's window motor
24	A	Voltage supply (revolution)	Passenger's window motor
25		Not used	
26		Not used	

X13254

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

E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
13		Not used	
14		Not used	
15		Not used	
16		Not used	
17		Not used	
18	A	Comfortable closing	Sunroof control assembly/Comfort relay, Folding sunroof
19	A	Folding sunroof release	Sunroof control assembly/Comfort relay, Folding sunroof
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	

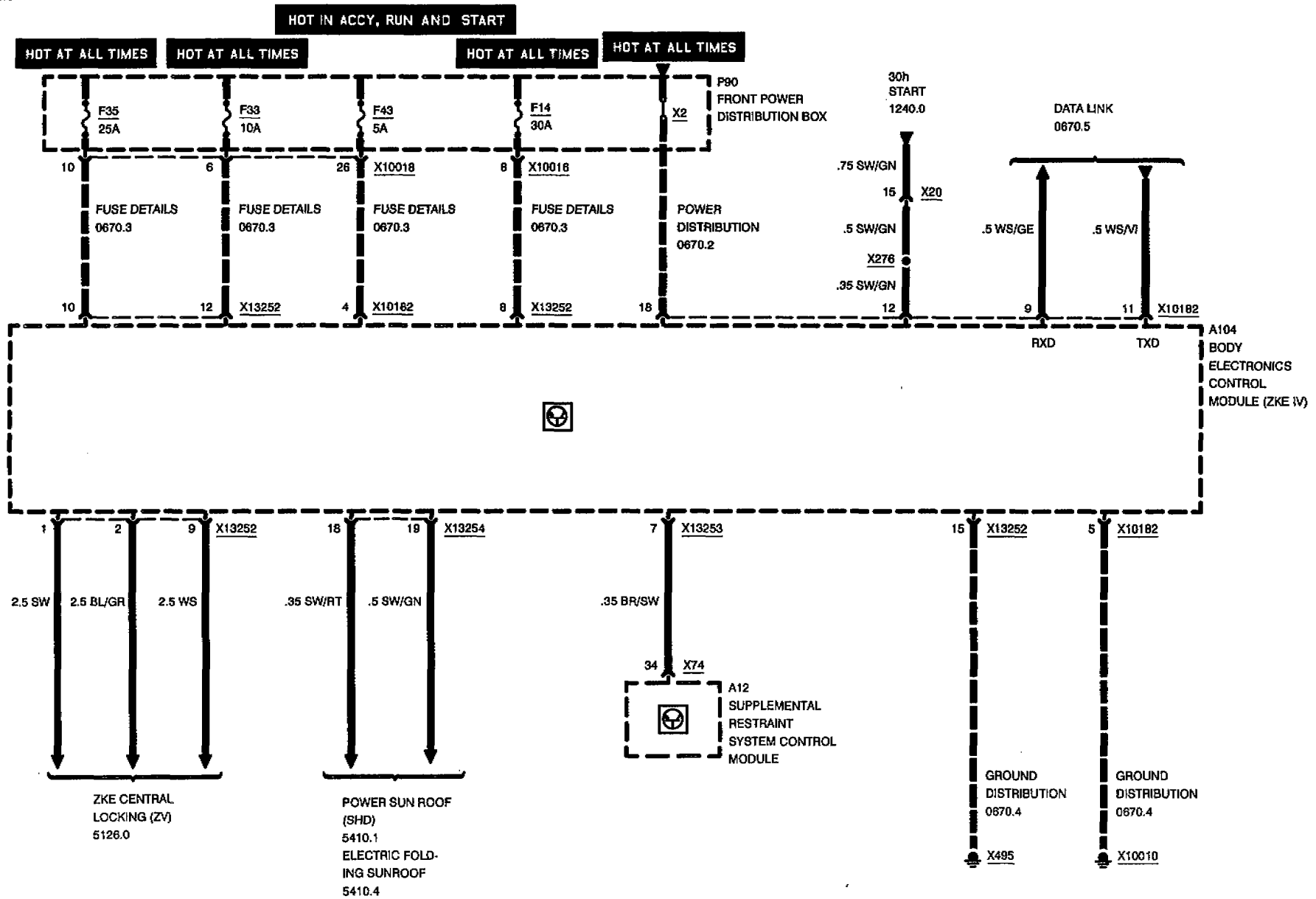
E = Input, A = Output, M = Ground



compact

6100.0

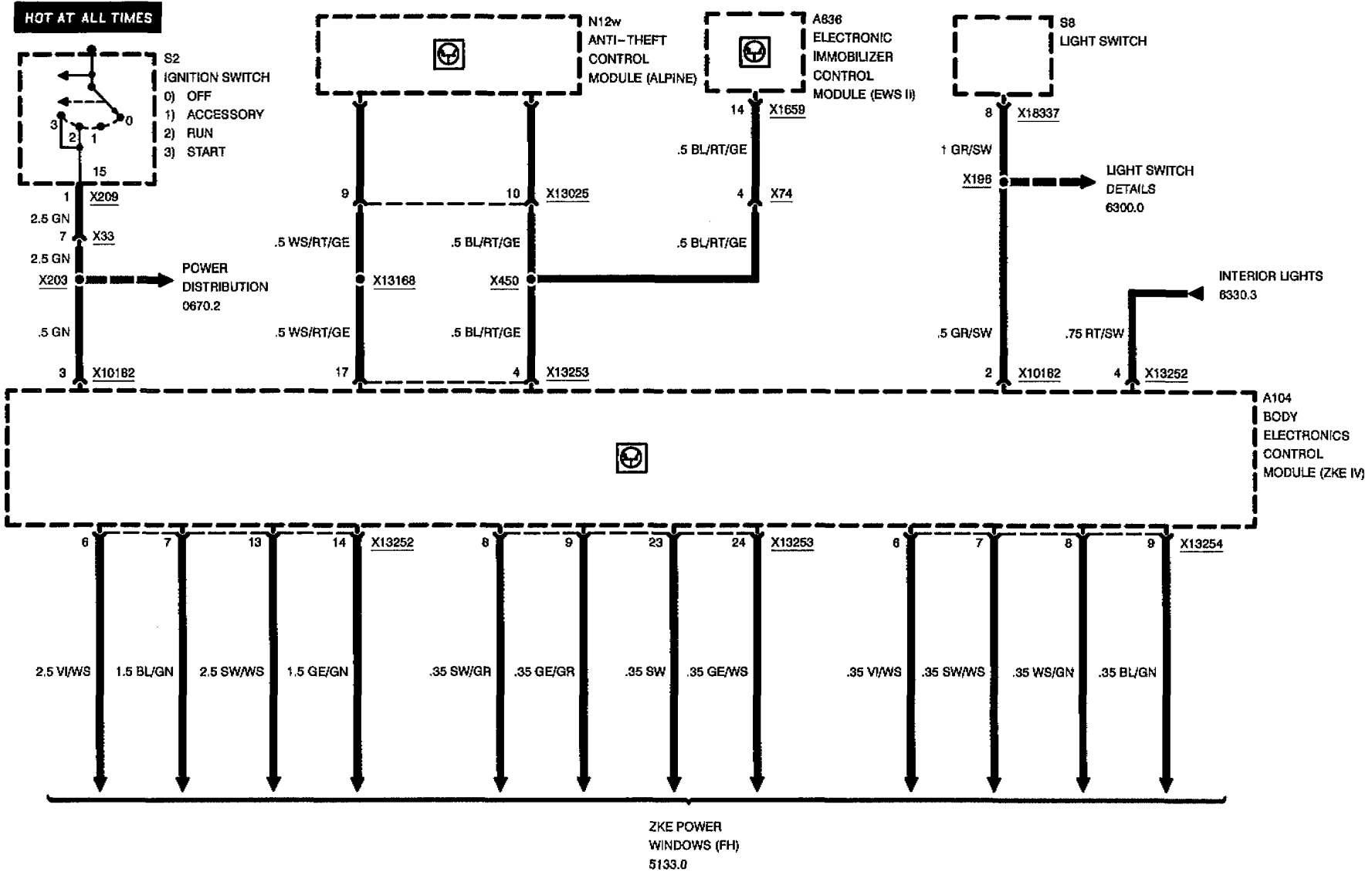
CENTRAL BODY ELECTRONICS (ZKE IV)





compact

CENTRAL BODY ELECTRONICS (ZKE IV)

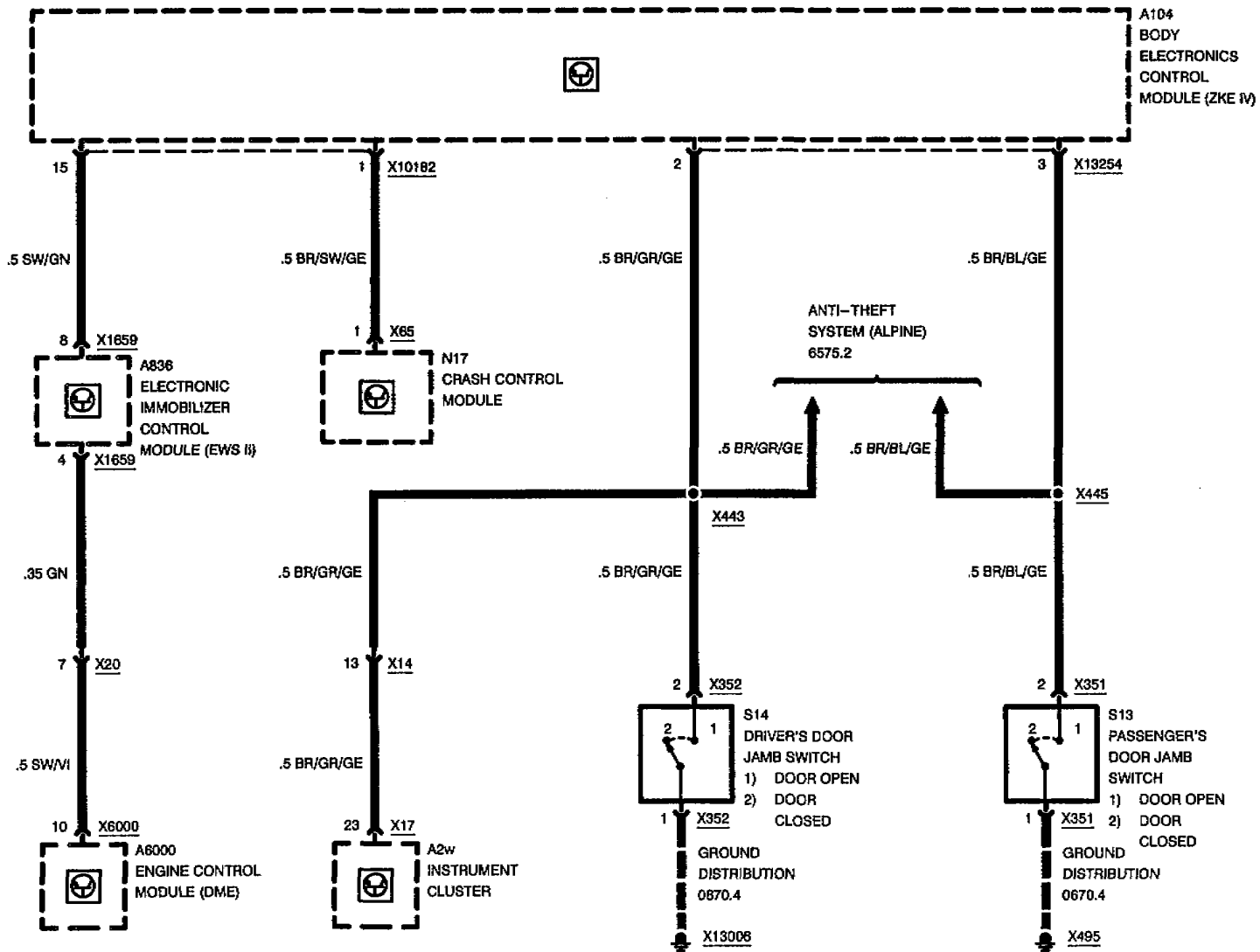


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CENTRAL BODY ELECTRONICS (ZKE IV)

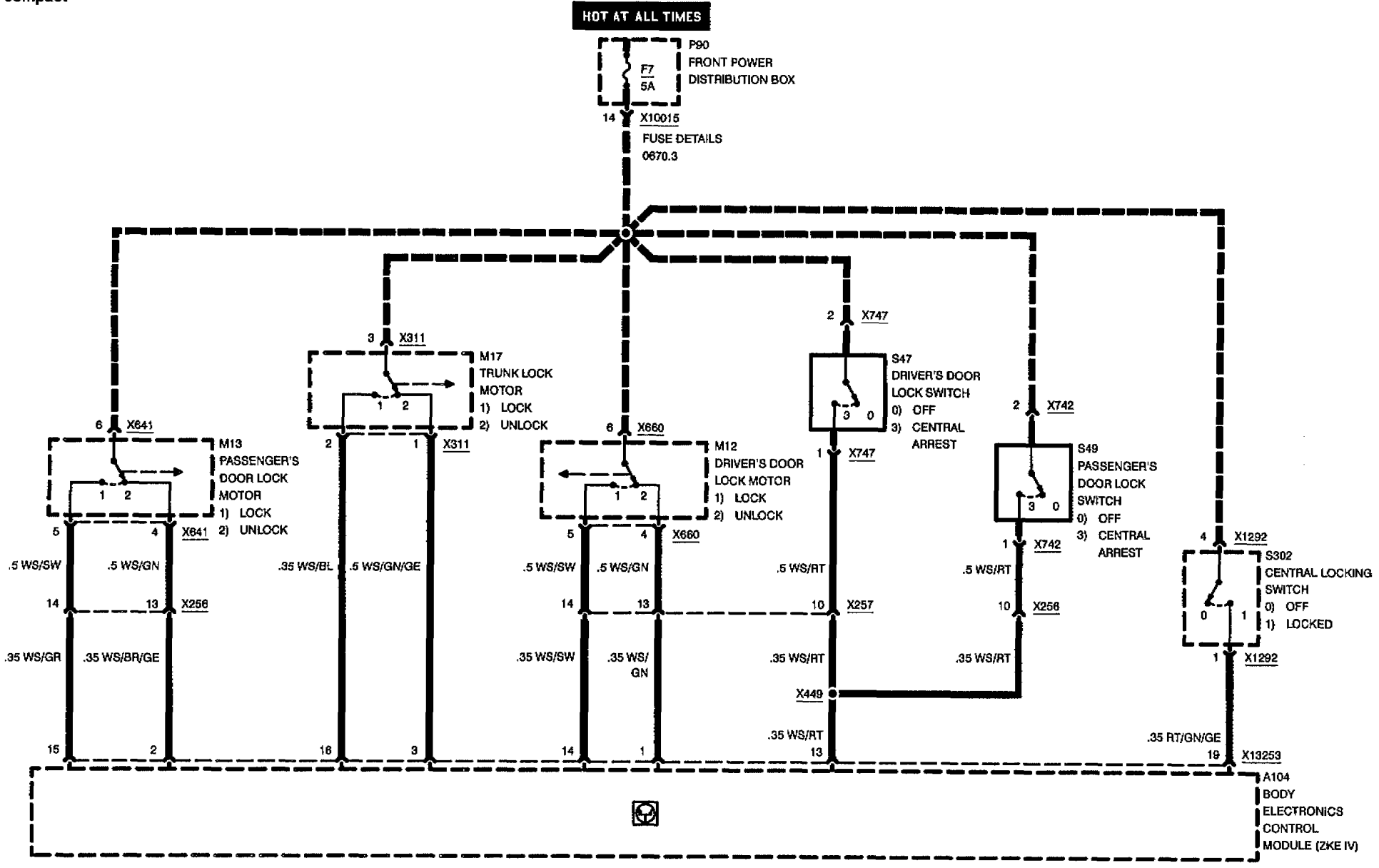




CENTRAL BODY ELECTRONICS (ZKE IV)

TRUNK LID, DRIVER'S AND PASSENGER'S DOOR INPUT SIGNALS

compact



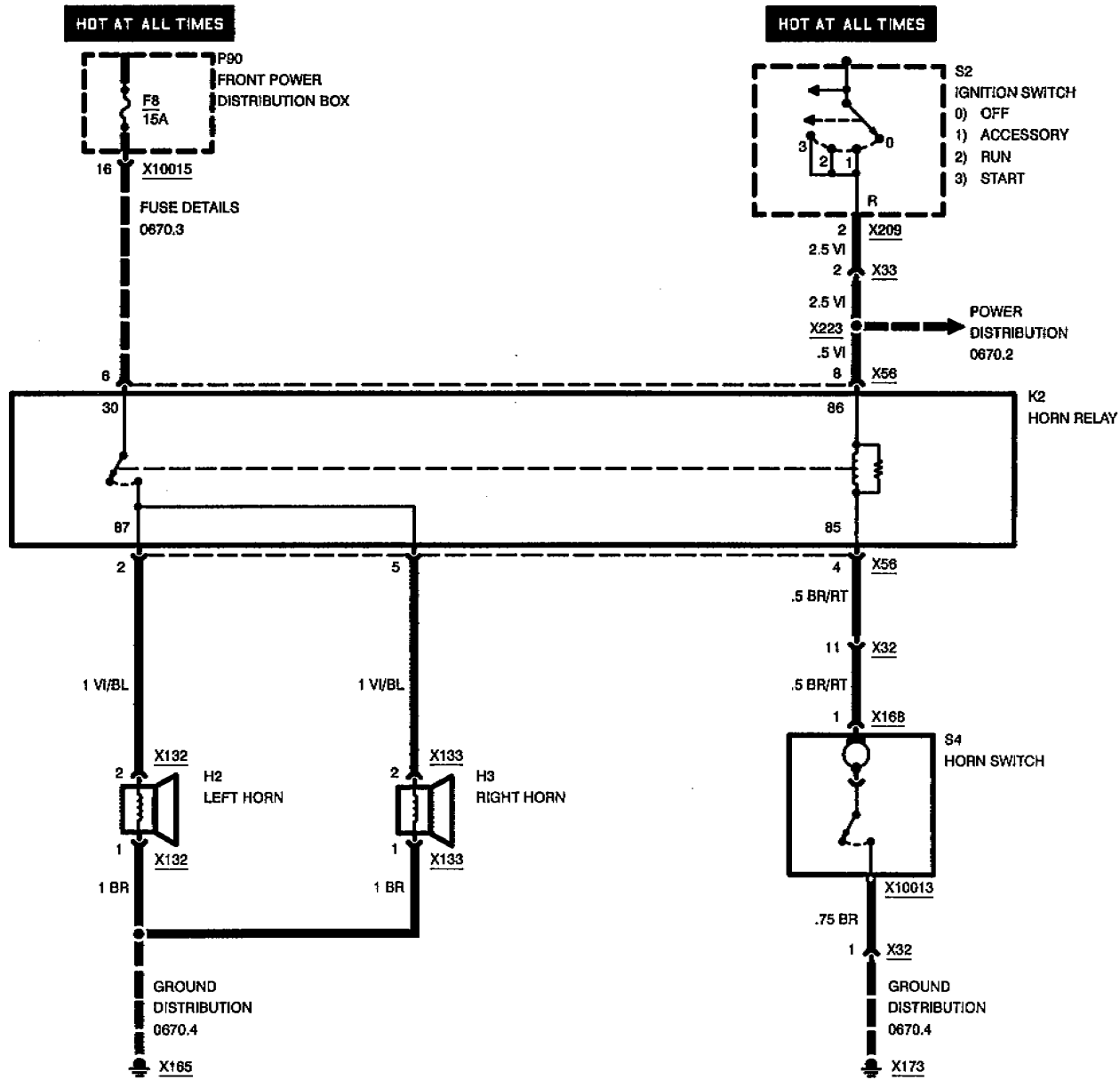
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1998



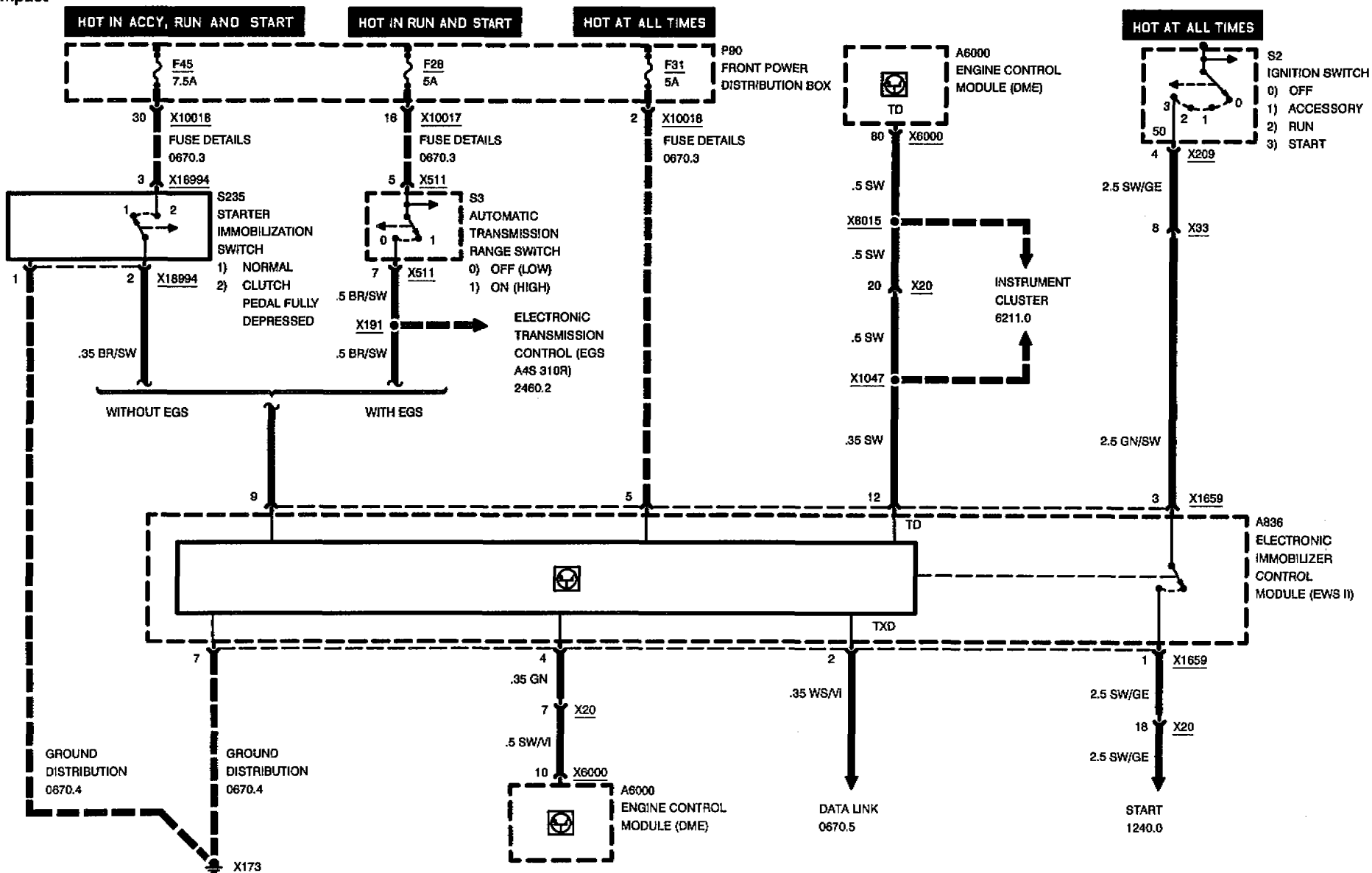
HORN





6135.0

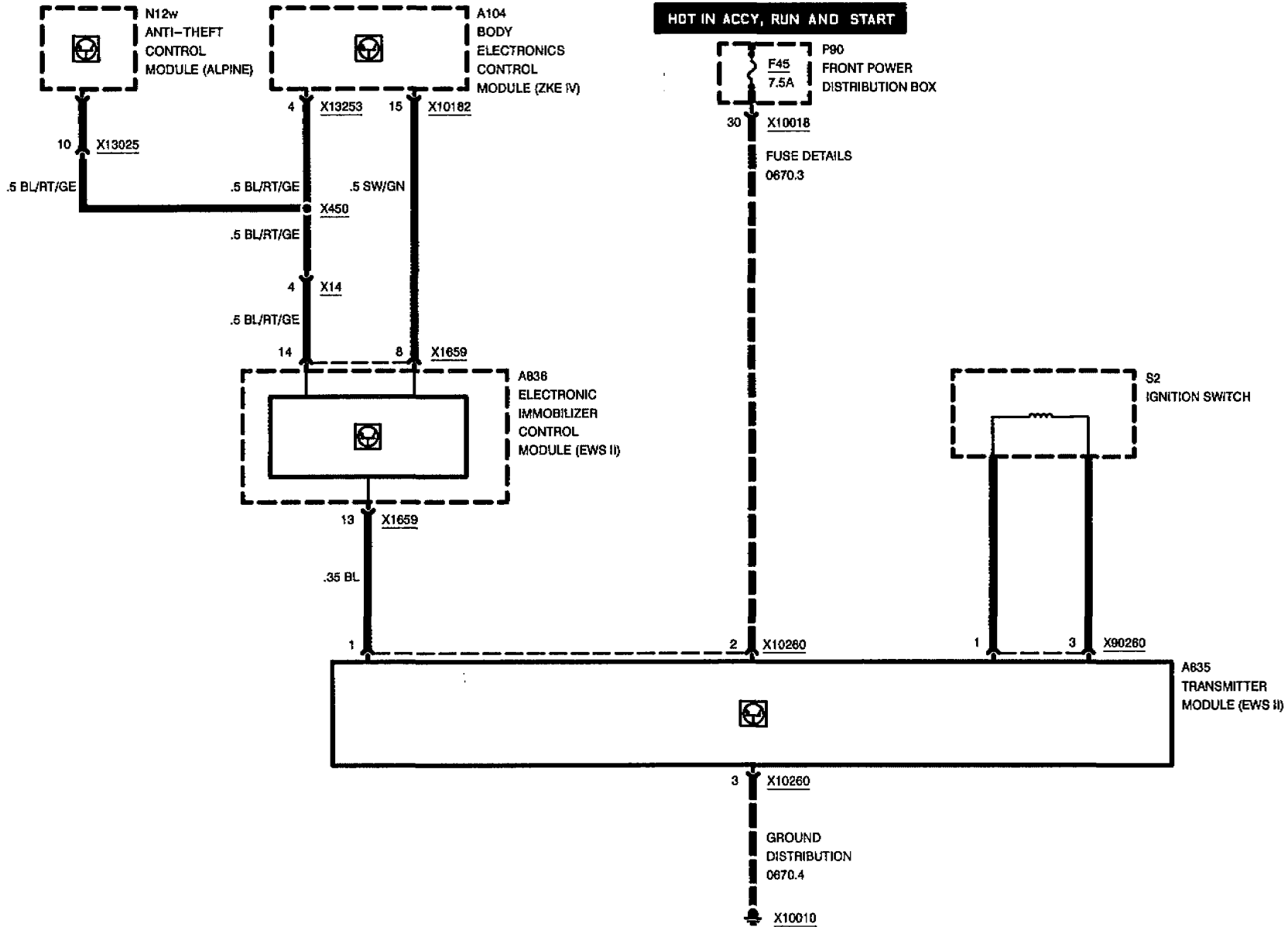
DRIVE-AWAY PROTECTION (EWS II)

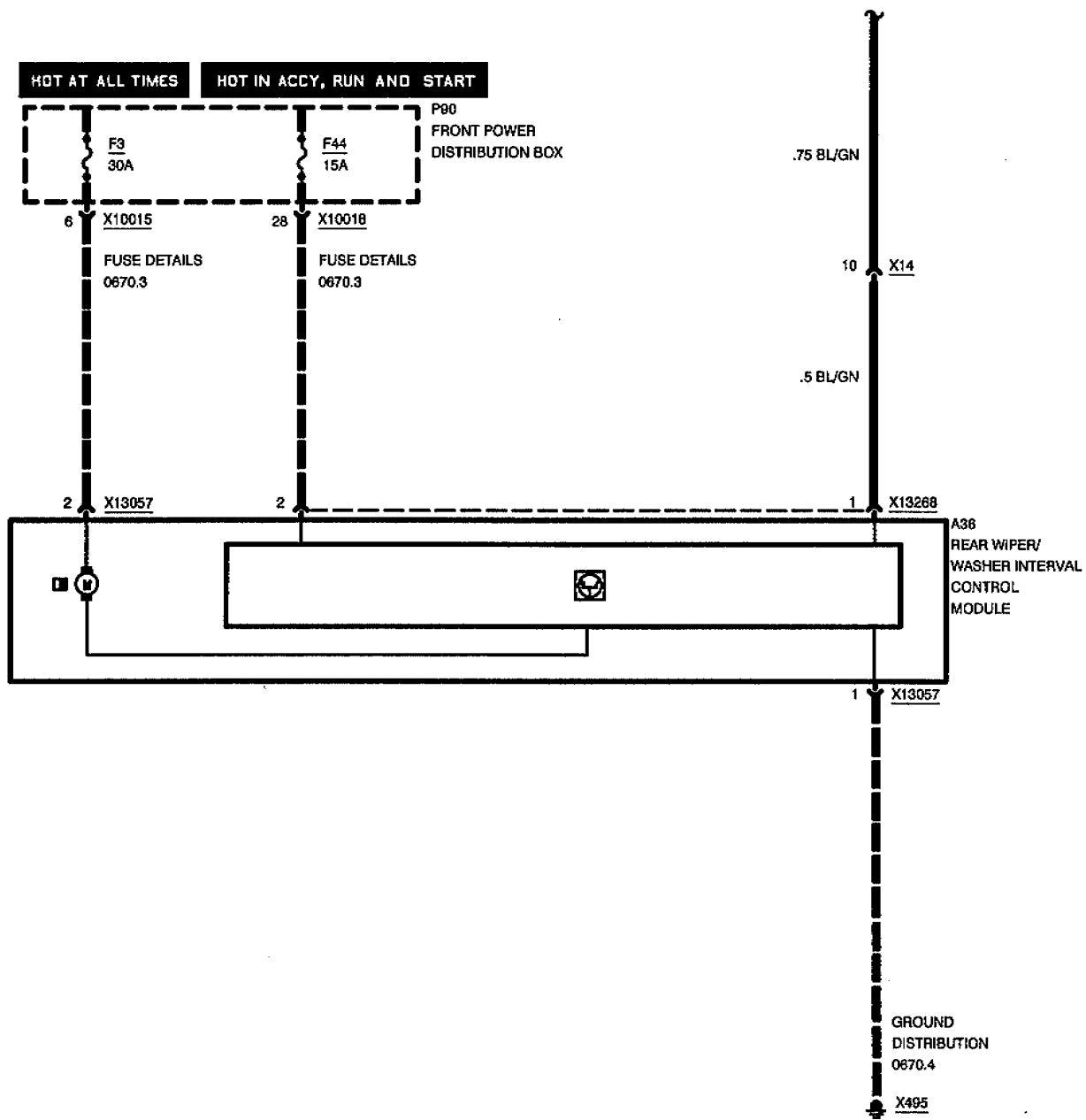




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DRIVE-AWAY PROTECTION (EWS II)

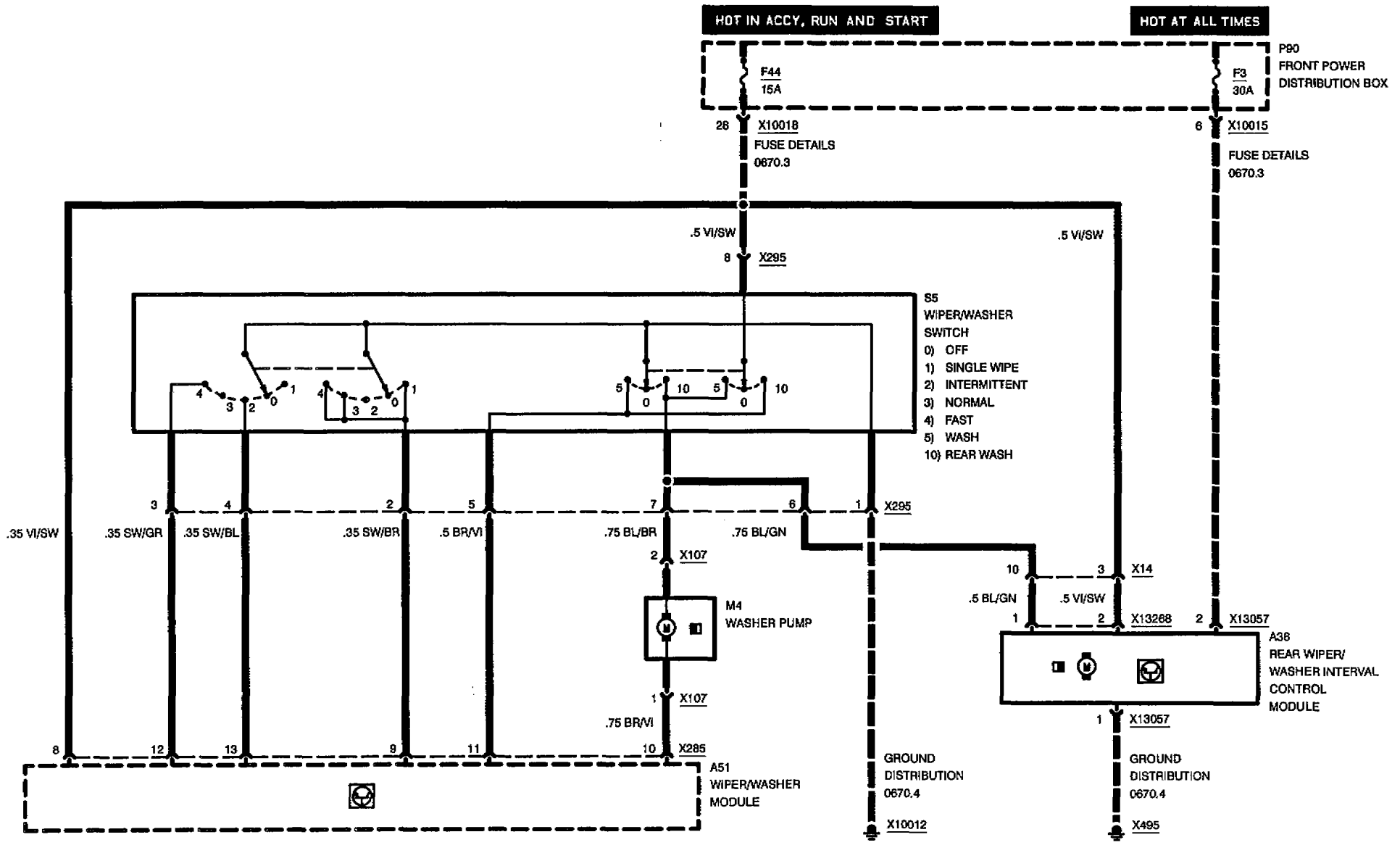






WIPER/WASHER MODULE (WWM)

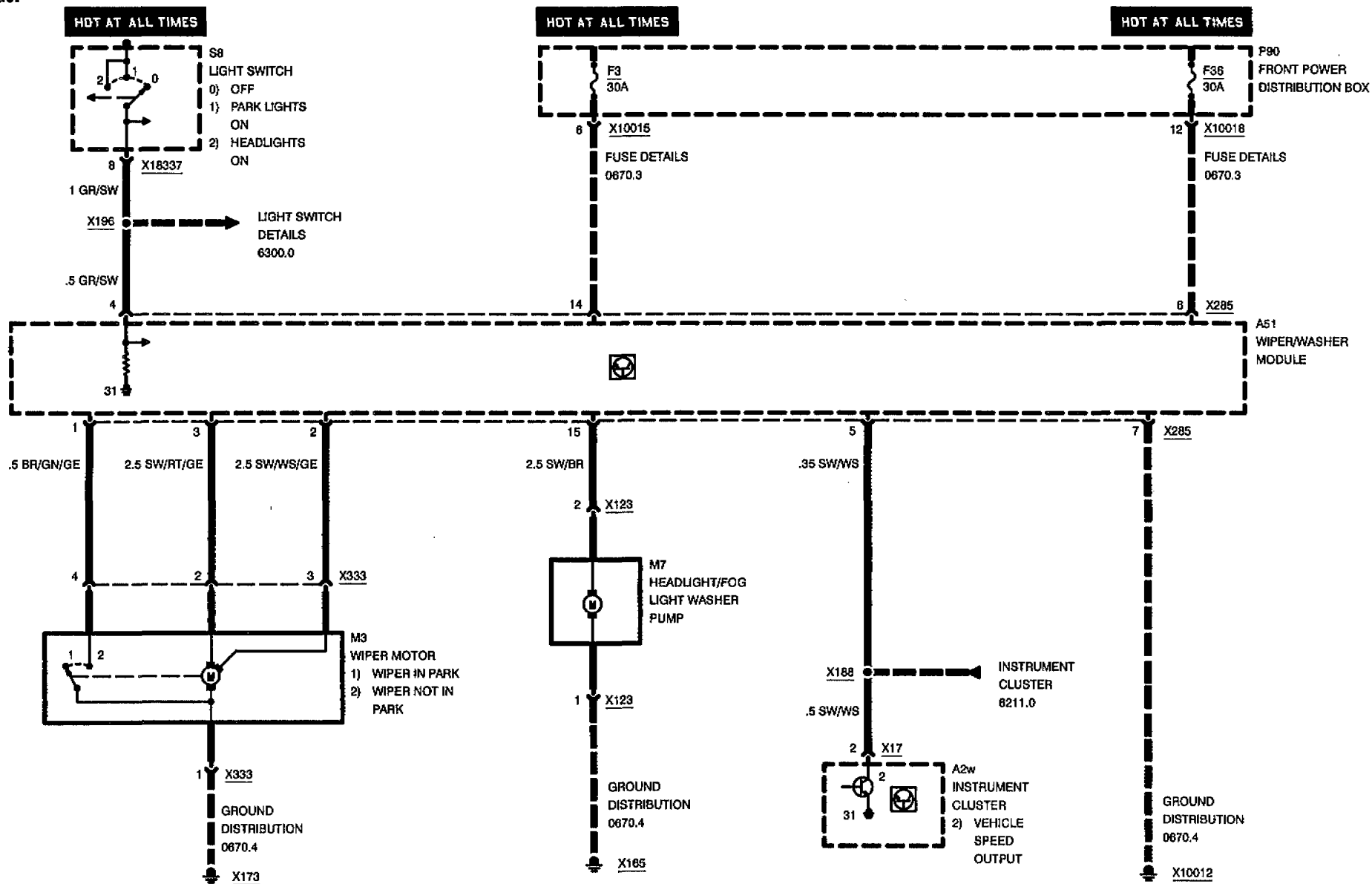
WIPER/WASHER (HIGH)





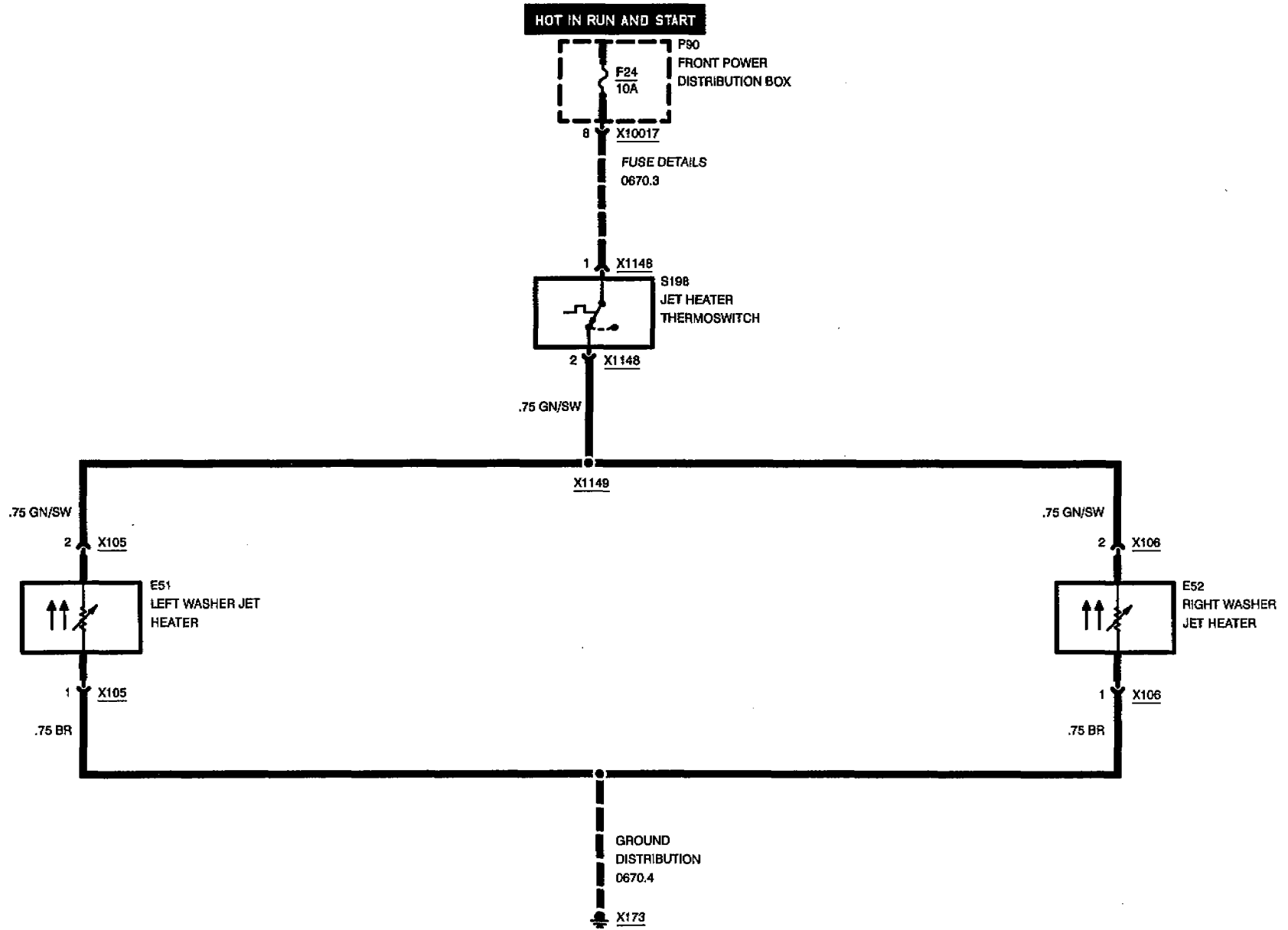
WIPER/WASHER MODULE (WWM)

WIPER/WASHER (HIGH)

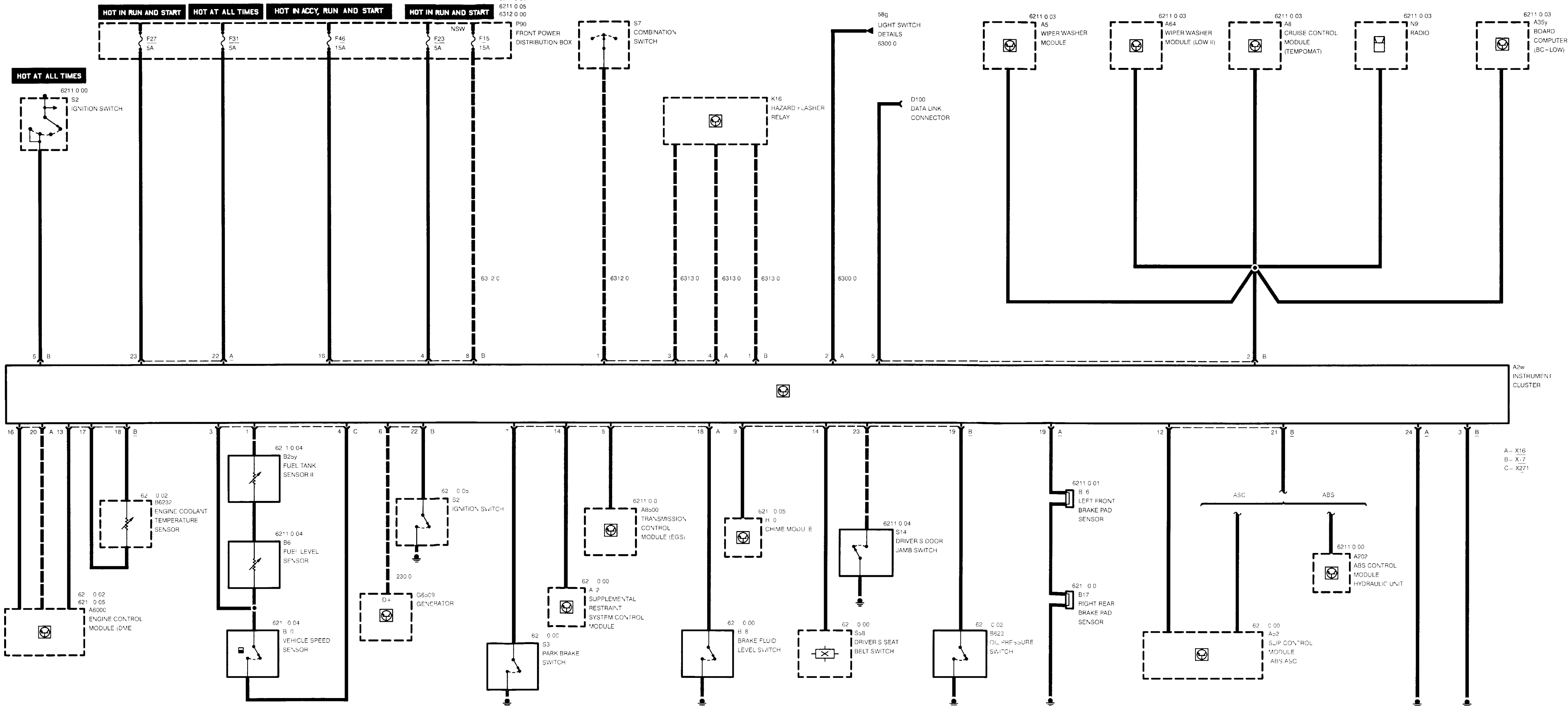




WINDSHIELD WASHER JET HEATERS



6211 0 00
6211 0 01
6211 0 02
62 1 0 04
6211 0 05
6312 0 00



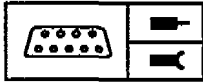


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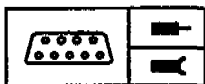


Pin Assignments

X16

Pin	Type	Description/Function	Connection
1	E	High beam indicator control	Combination switch
2	E	Terminal 58g, instrument illumination power	Dimmer
3	E	Right turn signal indicator control	Hazard flasher relay
4	E	Left turn signal indicator control	Hazard flasher relay
5	E	Warning lamp for EGS fault (information signal transmission oil temperature)	Transmission control module (EGS)
6		Not used	
7		Not used	
8		Not used	
9		Not used	
10		Not used	
11		Not used	
12		Not used	
13		Not used	
14	E	Airbag warning lamp (SRS) control	Supplemental restraint system control module
15		Not used	
16	E	"Check engine" indicator control	Engine control module (DME)
17	E	Park brake warning lamp control	Park brake switch
18	E	Brake fluid warning lamp control	Brake fluid level switch
19	E	Brake pad wear warning lamp control	Brake pad sensors
20	E	Crankshaft RPM speed signal TD	Engine control module (DME)
21		Not used	
22	E	Voltage supply, terminal 30	Front power distribution box, fuse 31
23	E	Voltage supply, terminal 15 for indicator and warning lamps	Front power distribution box, fuse 27
24	M	Ground supply, terminal 31 for instrument cluster electronics	Ground point
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground

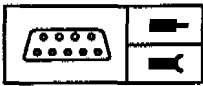


Pin Assignments

X17

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

E = Input, A = Output, M = Ground



Pin Assignments

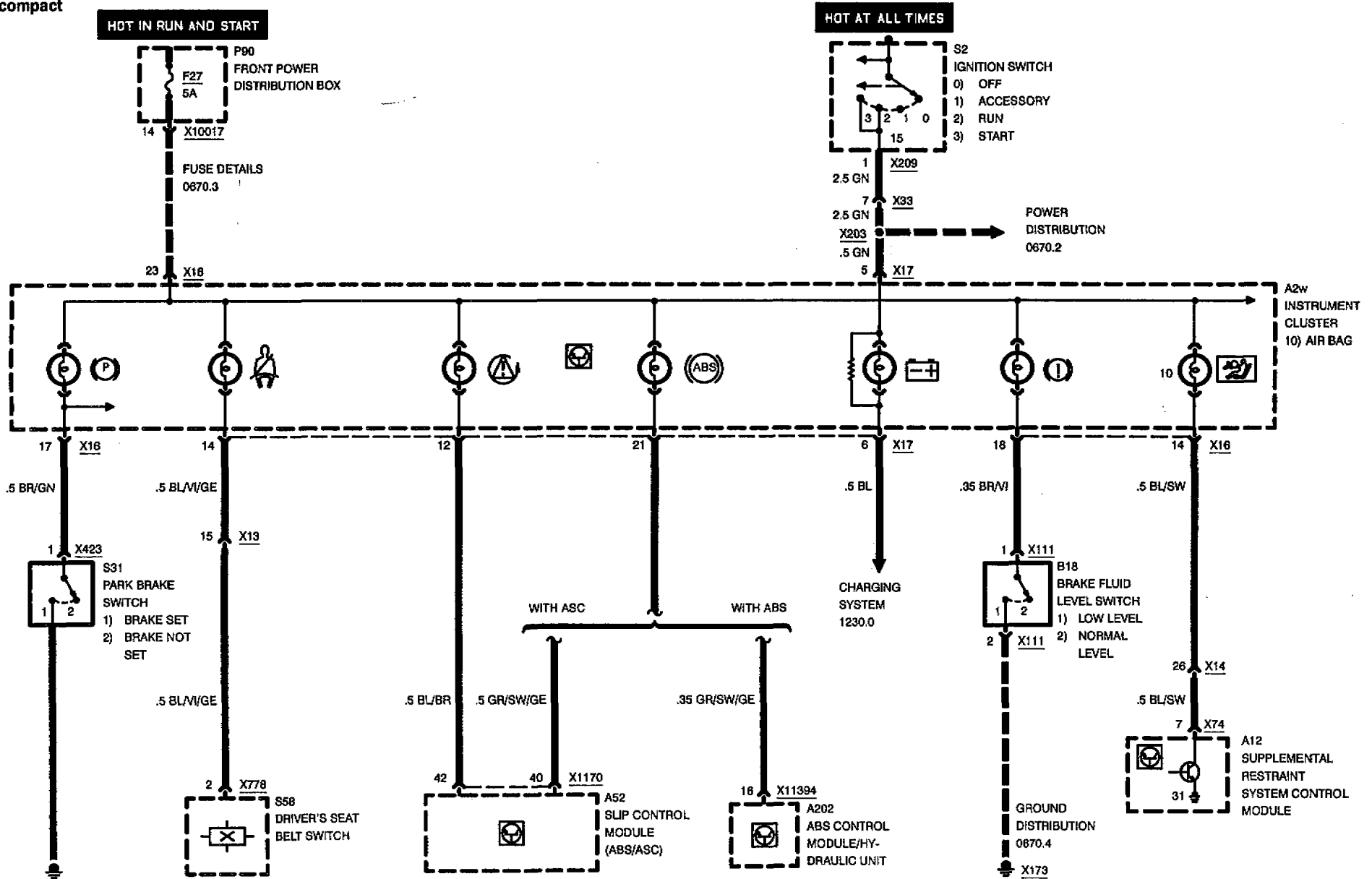
Pin	Type	Description/Function	Connection
25		Not used	
26		Not used	

X271

Pin	Type	Description/Function	Connection
1	A	Fuel level sensor	Fuel tank sensors
2		Not used	
3	A	Ground supply for fuel tank sensors and vehicle speed sensor	Fuel tank sensors and vehicle speed sensor
4	E	Position signal tw	Vehicle speed sensor
5		Not used	
6		Not used	
7		Not used	
8		Not used	
9		Not used	
10		Not used	
11		Not used	
12		Not used	

E = Input, A = Output, M = Ground

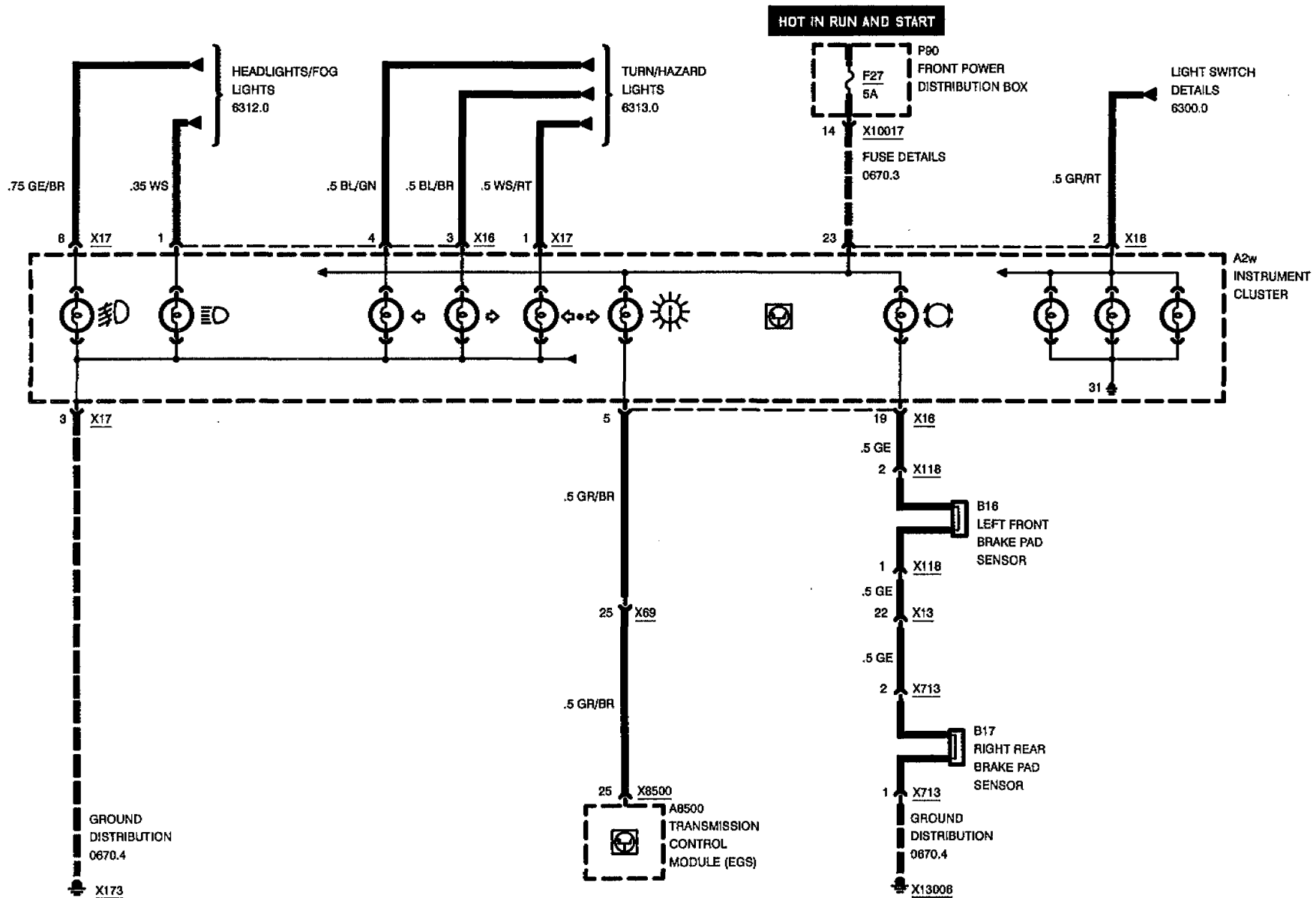
INSTRUMENT CLUSTER INDICATORS





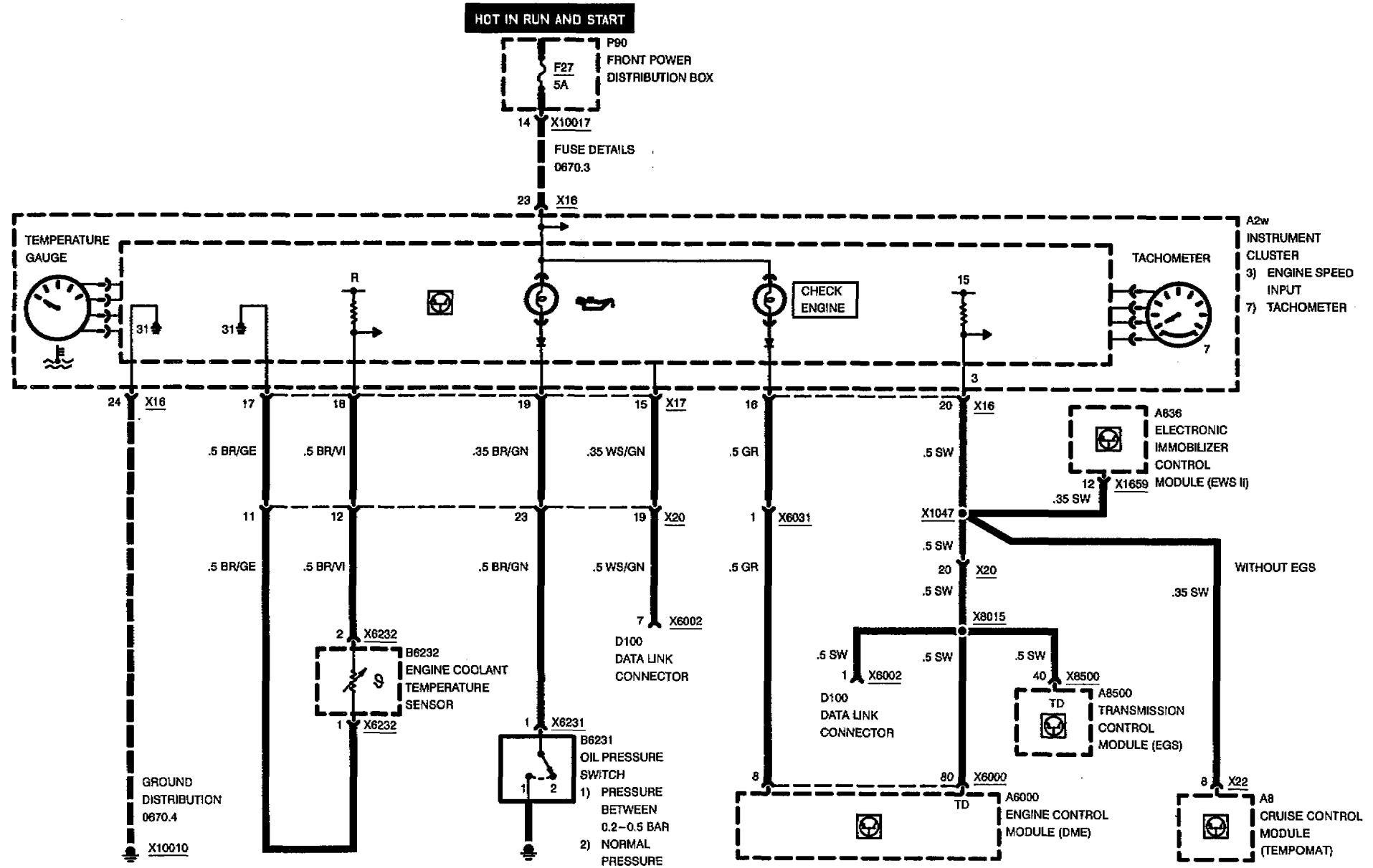
INSTRUMENT CLUSTER

INDICATORS



INSTRUMENT CLUSTER

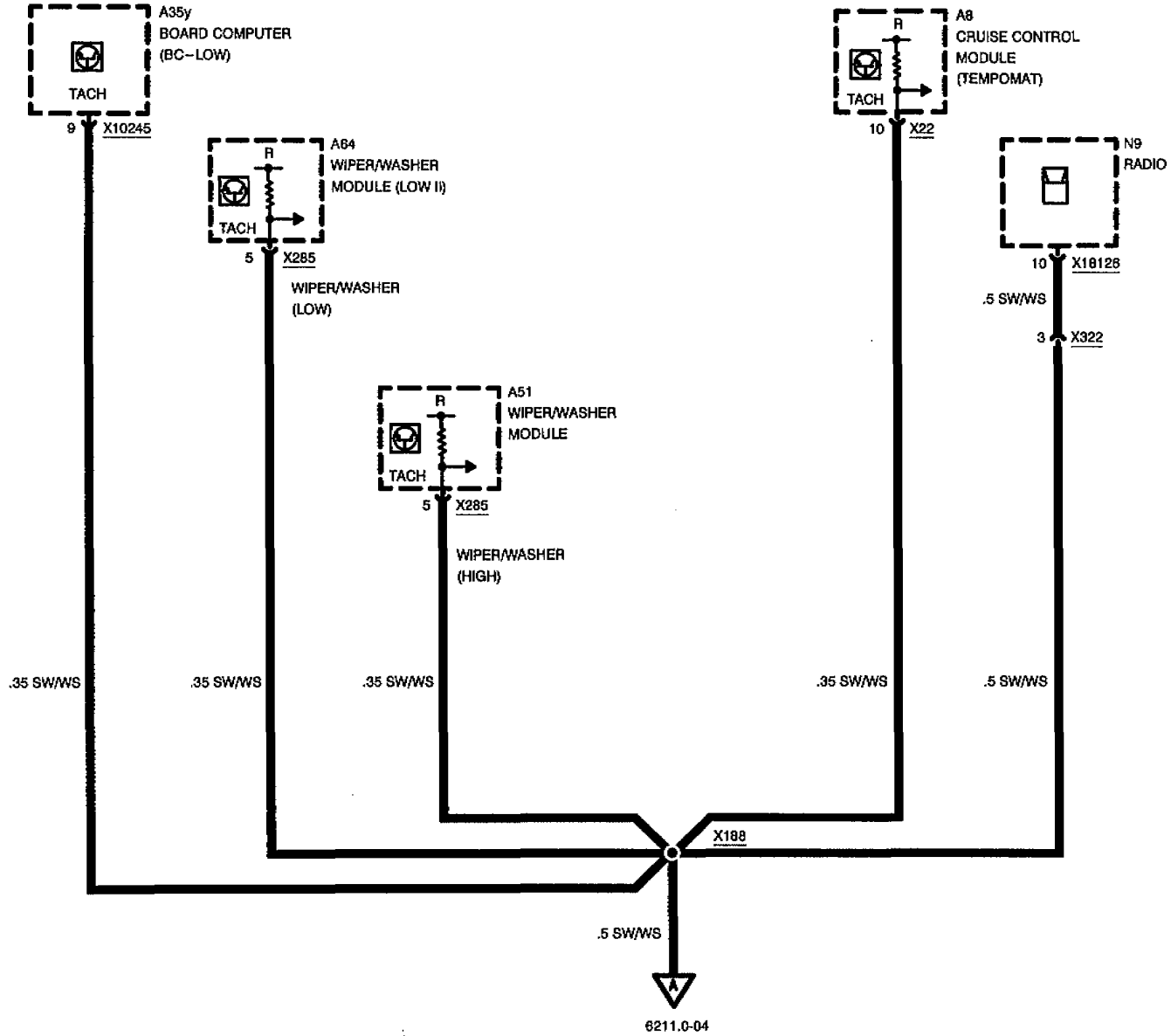
INDICATORS





INSTRUMENT CLUSTER

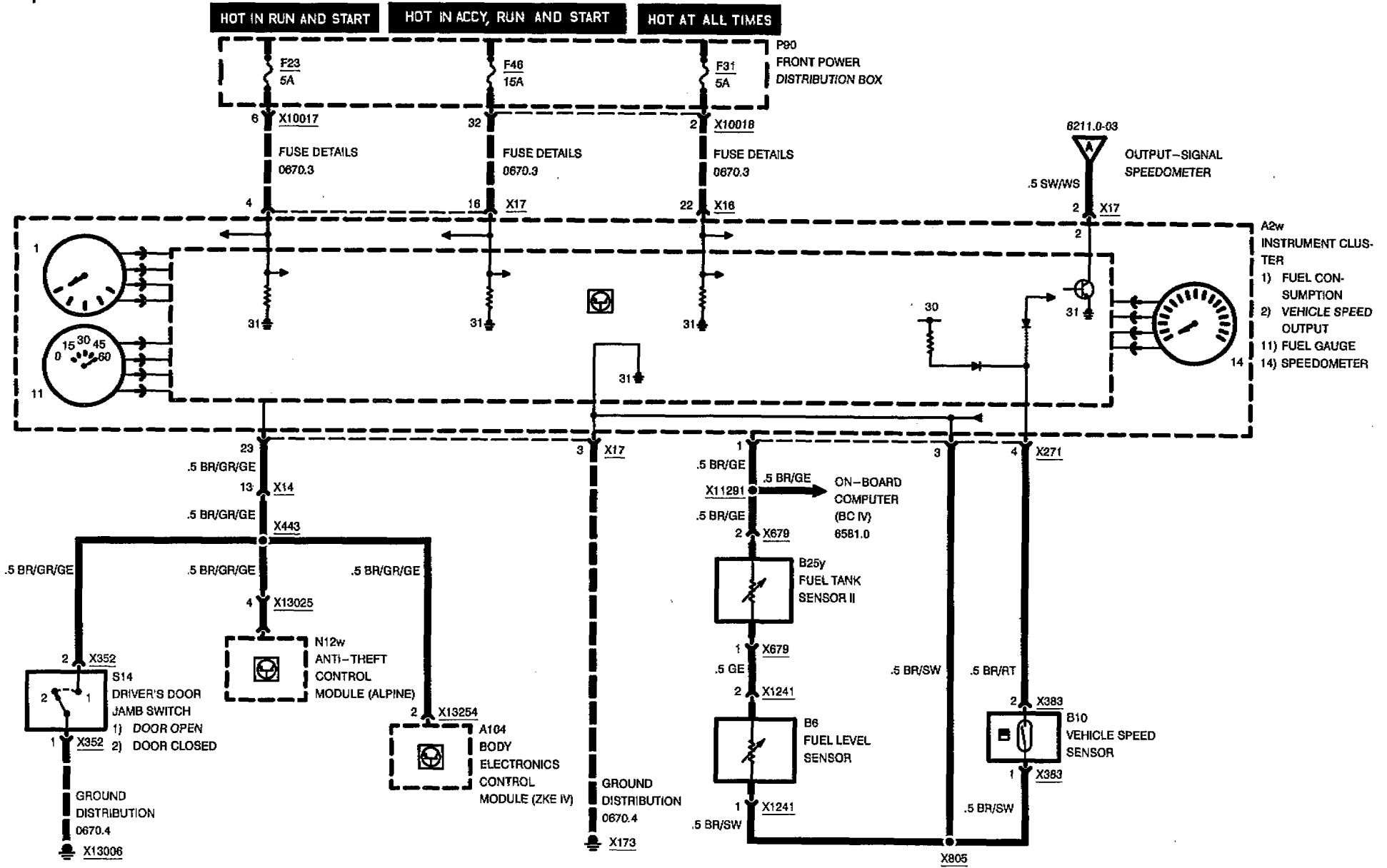
SIGNAL-OUTPUT SPEEDOMETER



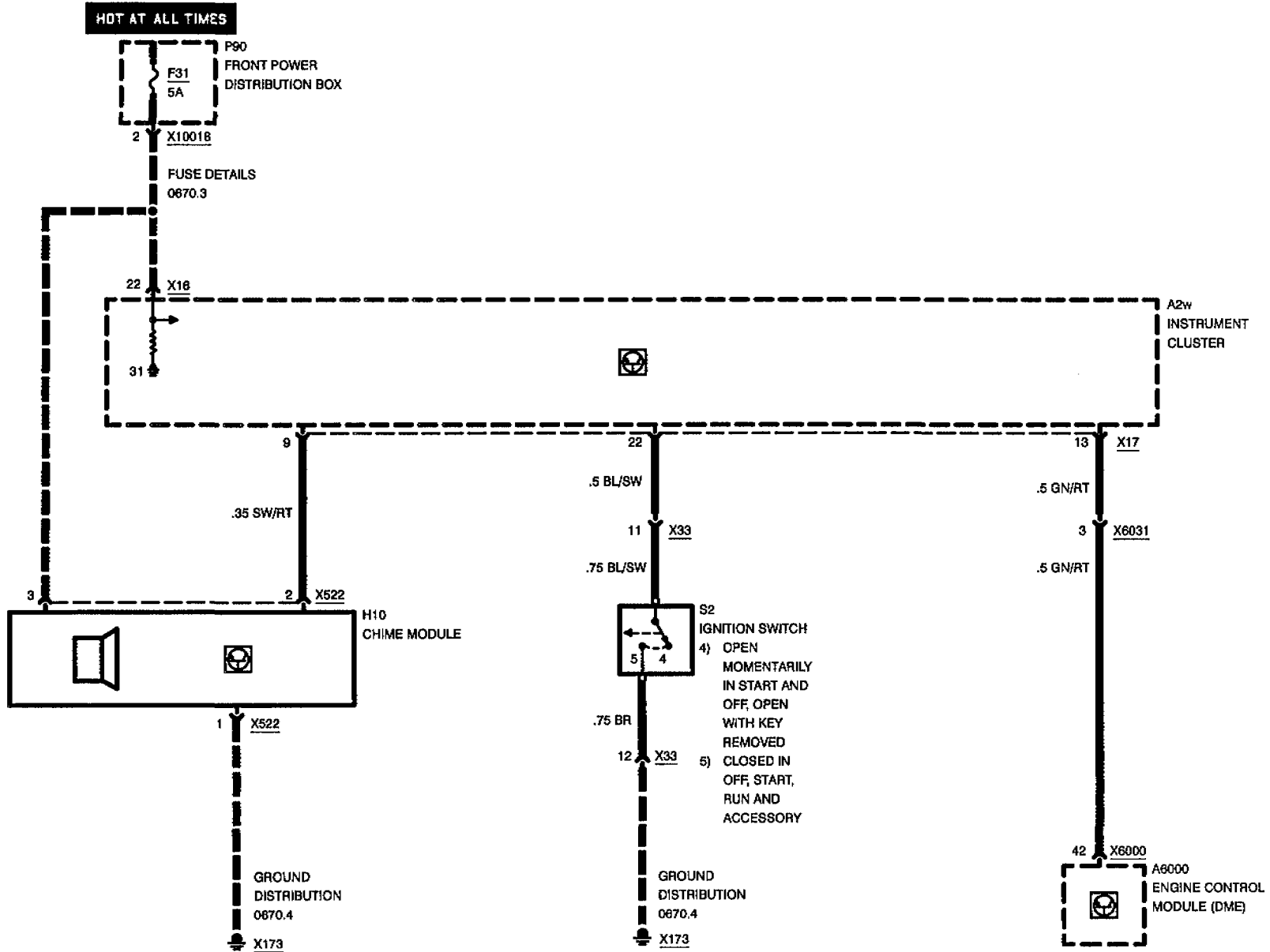
6211.0-04

INSTRUMENT CLUSTER

INDICATORS

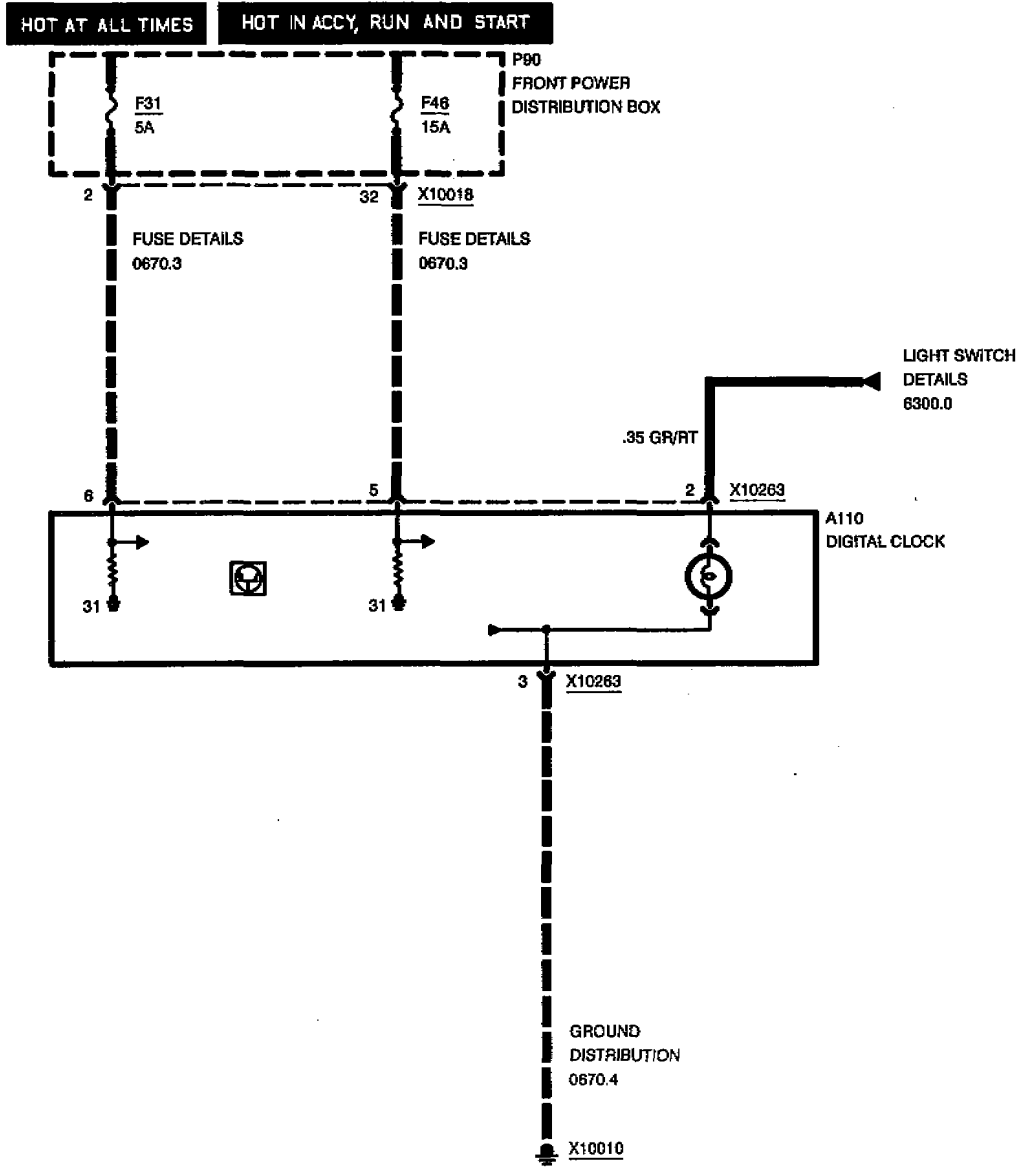


INSTRUMENT CLUSTER





CLOCK



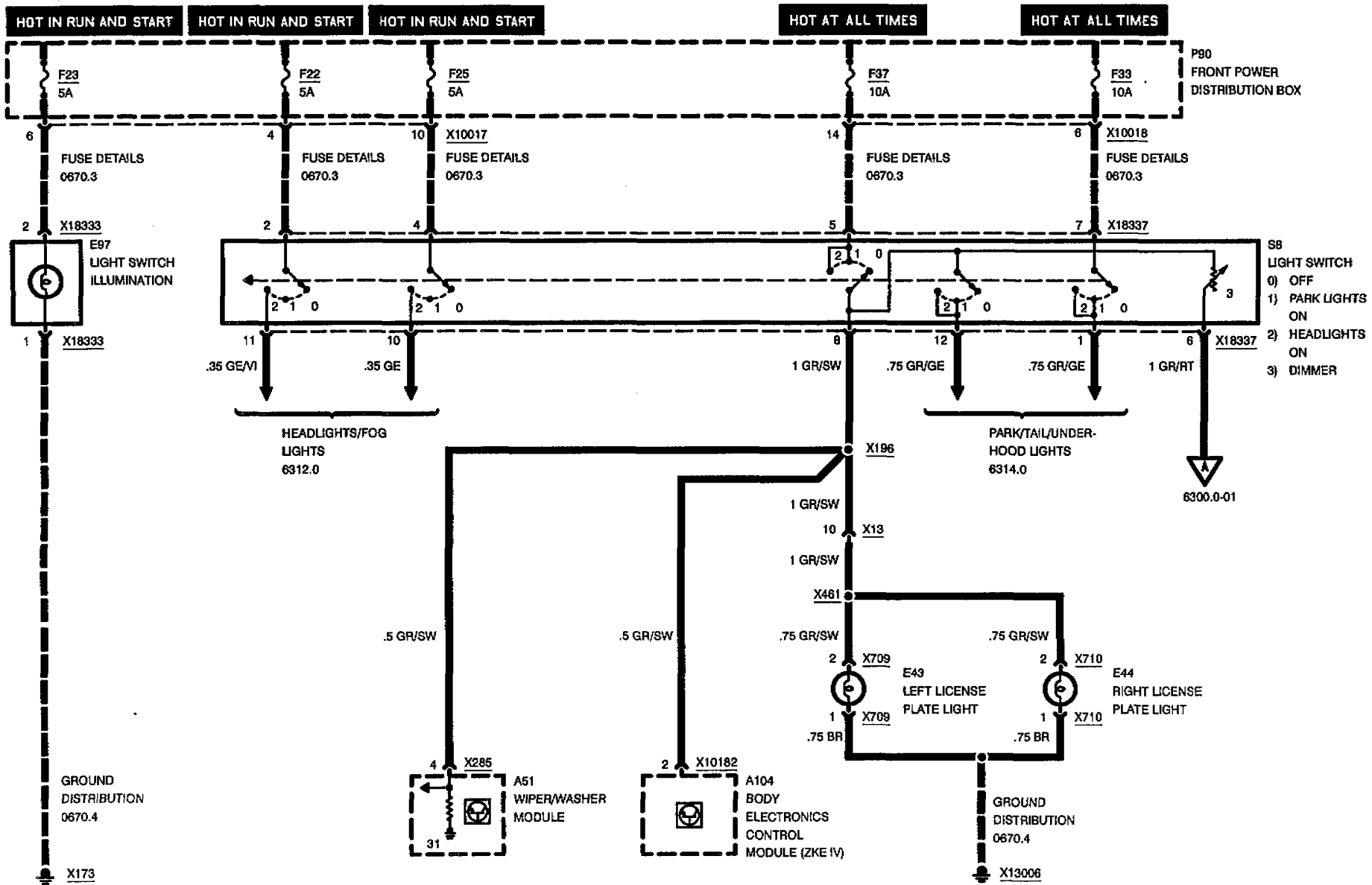


6300.0



LIGHT SWITCH DETAILS

compact



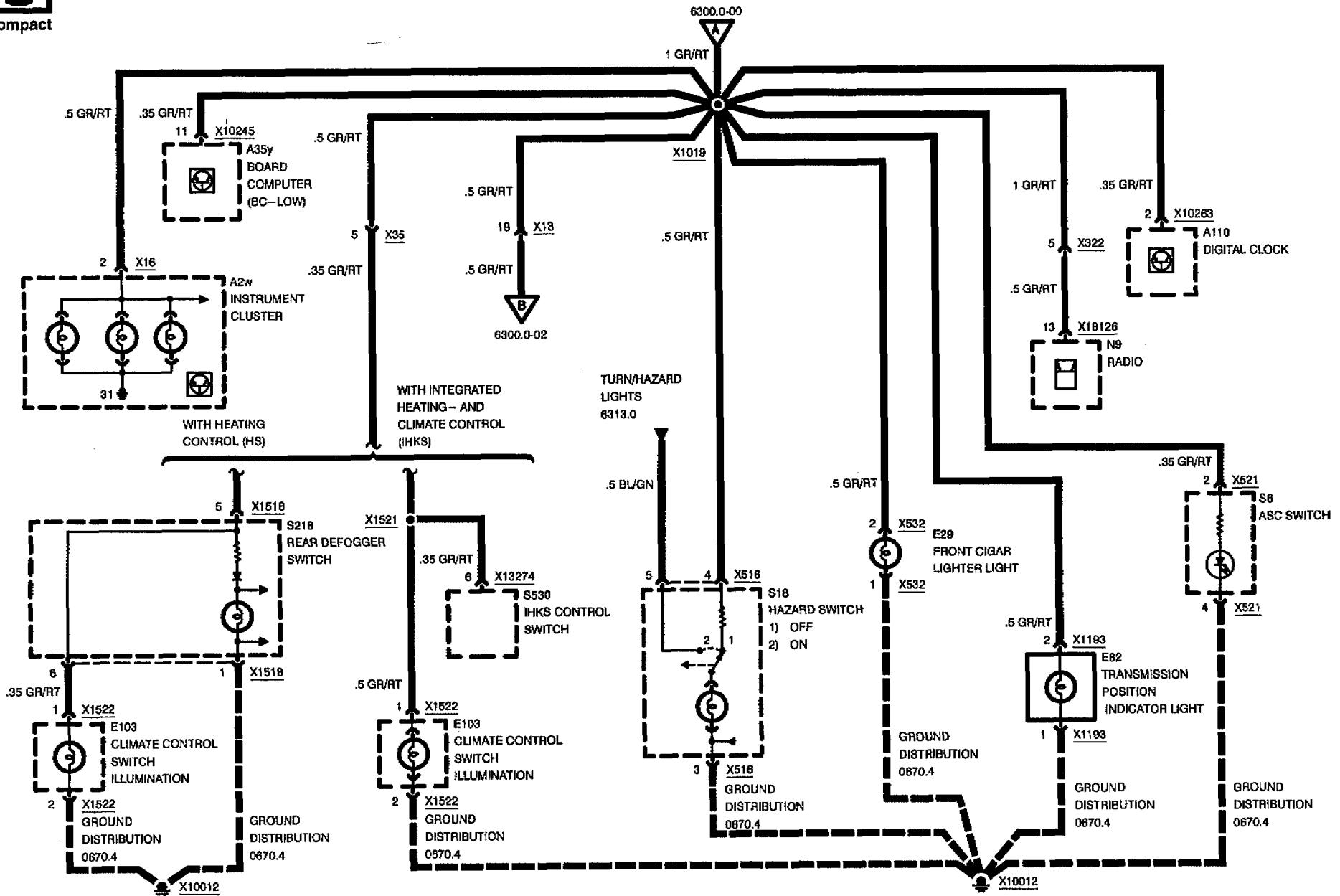
09/97

6300.0-00

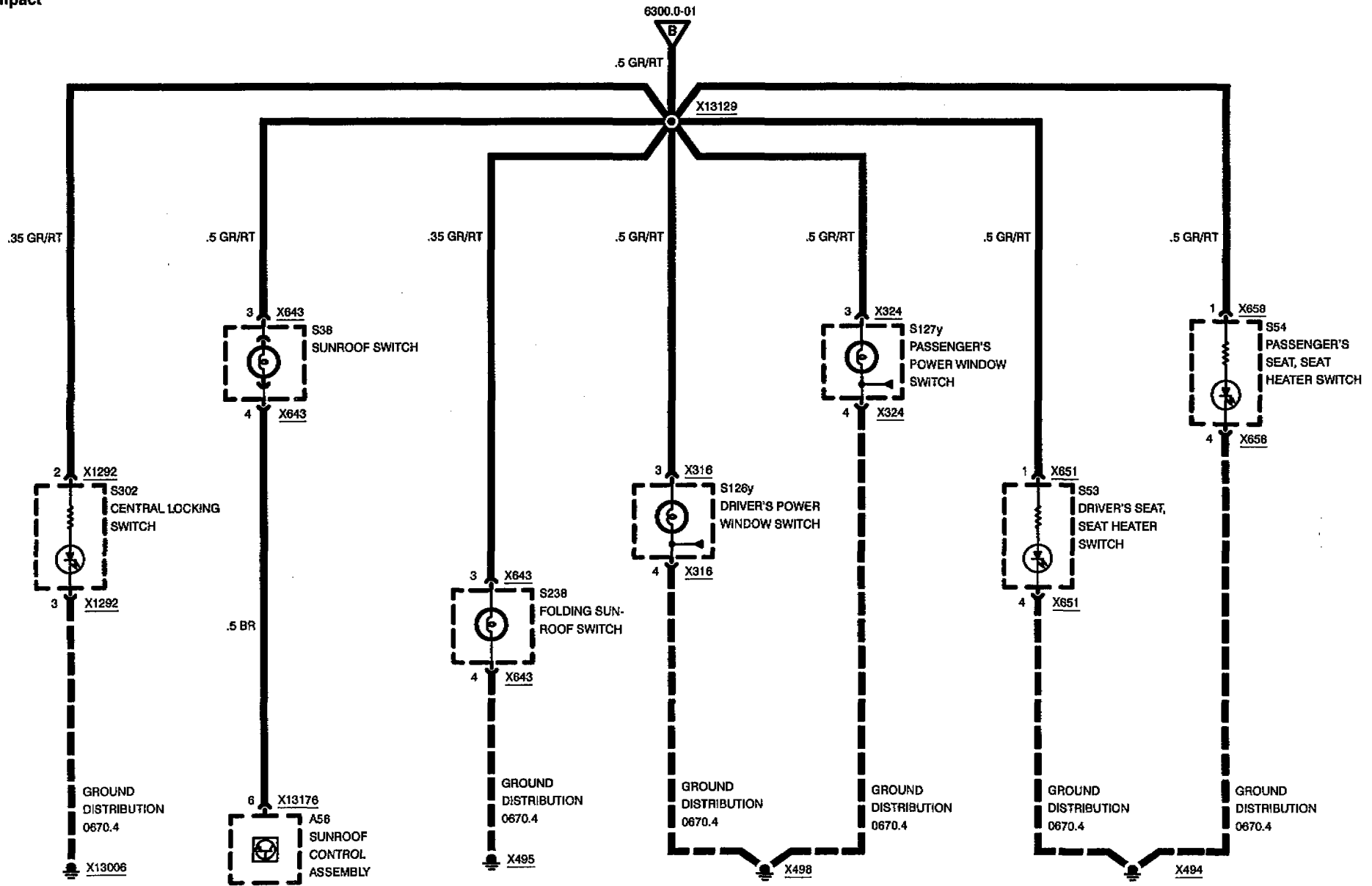
1998



LIGHT SWITCH DETAILS



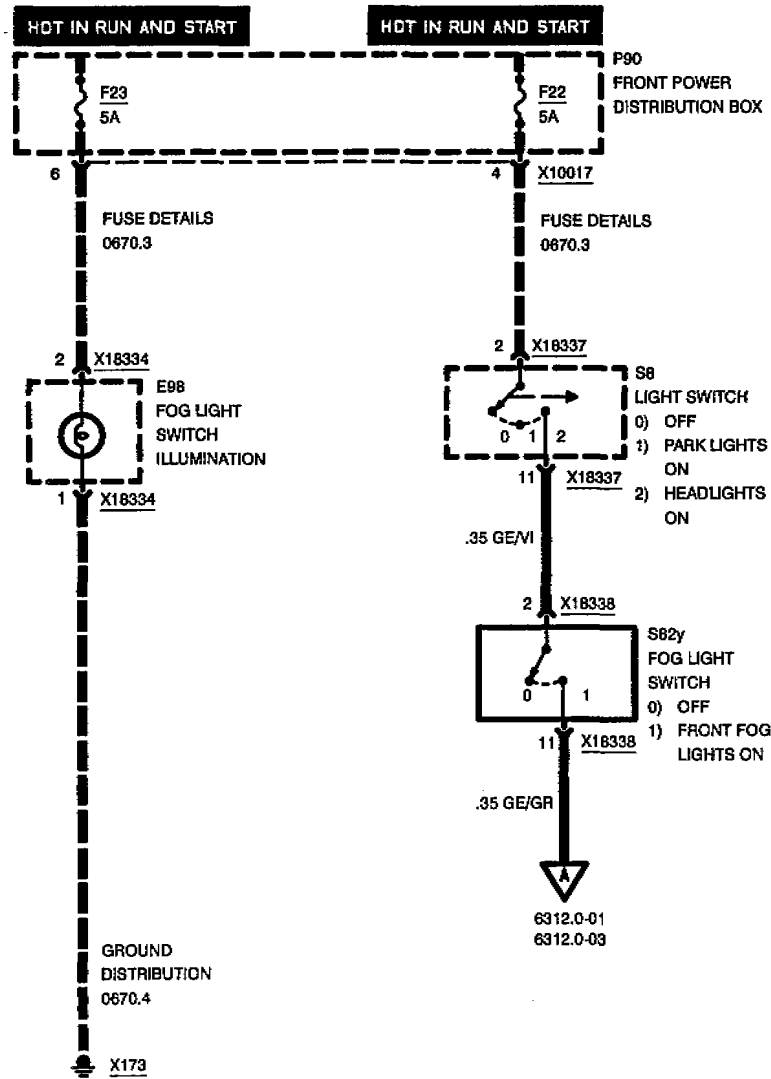
LIGHT SWITCH DETAILS





compact

6312.0

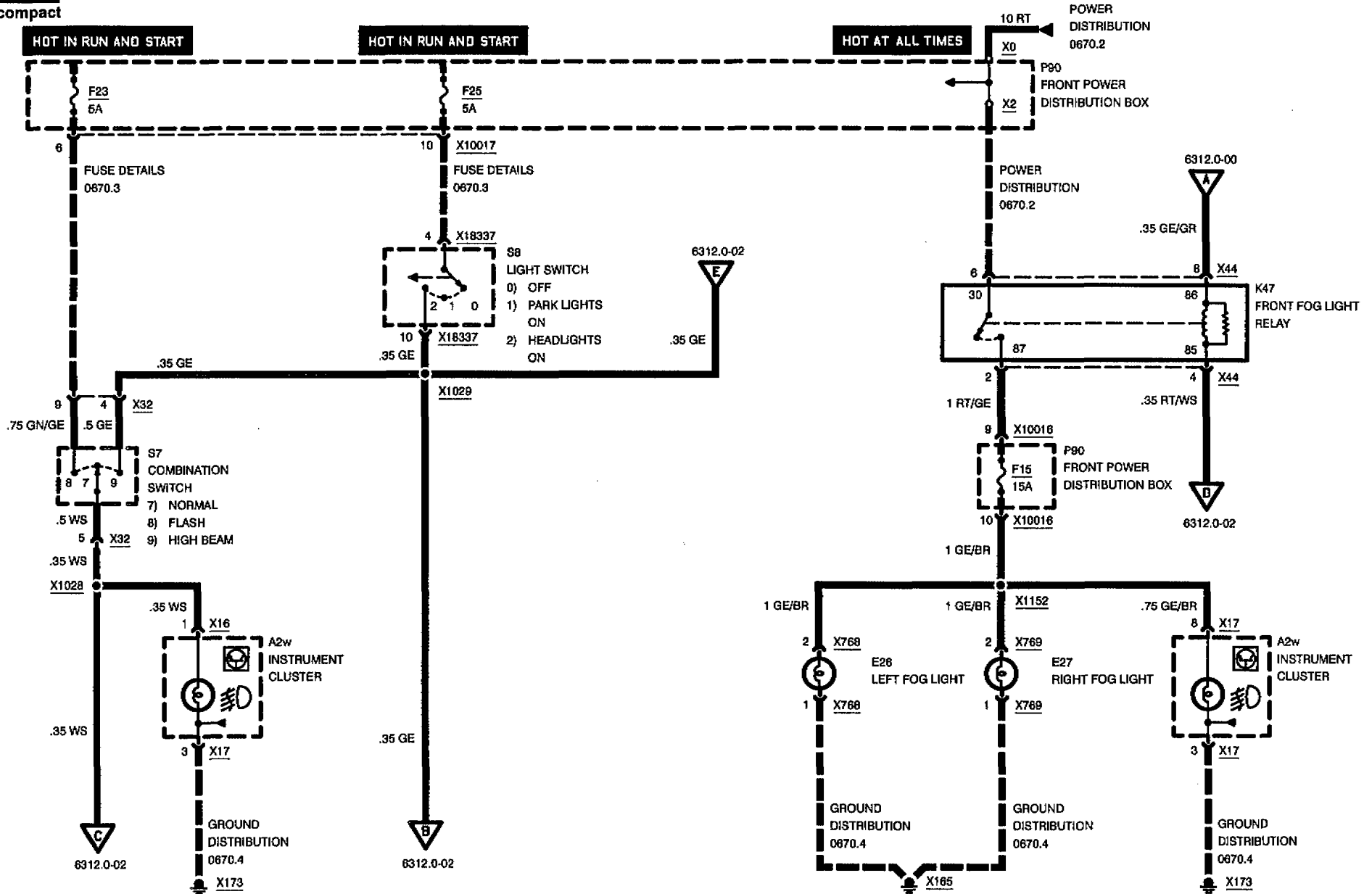




HEADLIGHTS/FOG LIGHTS



compact



09/97

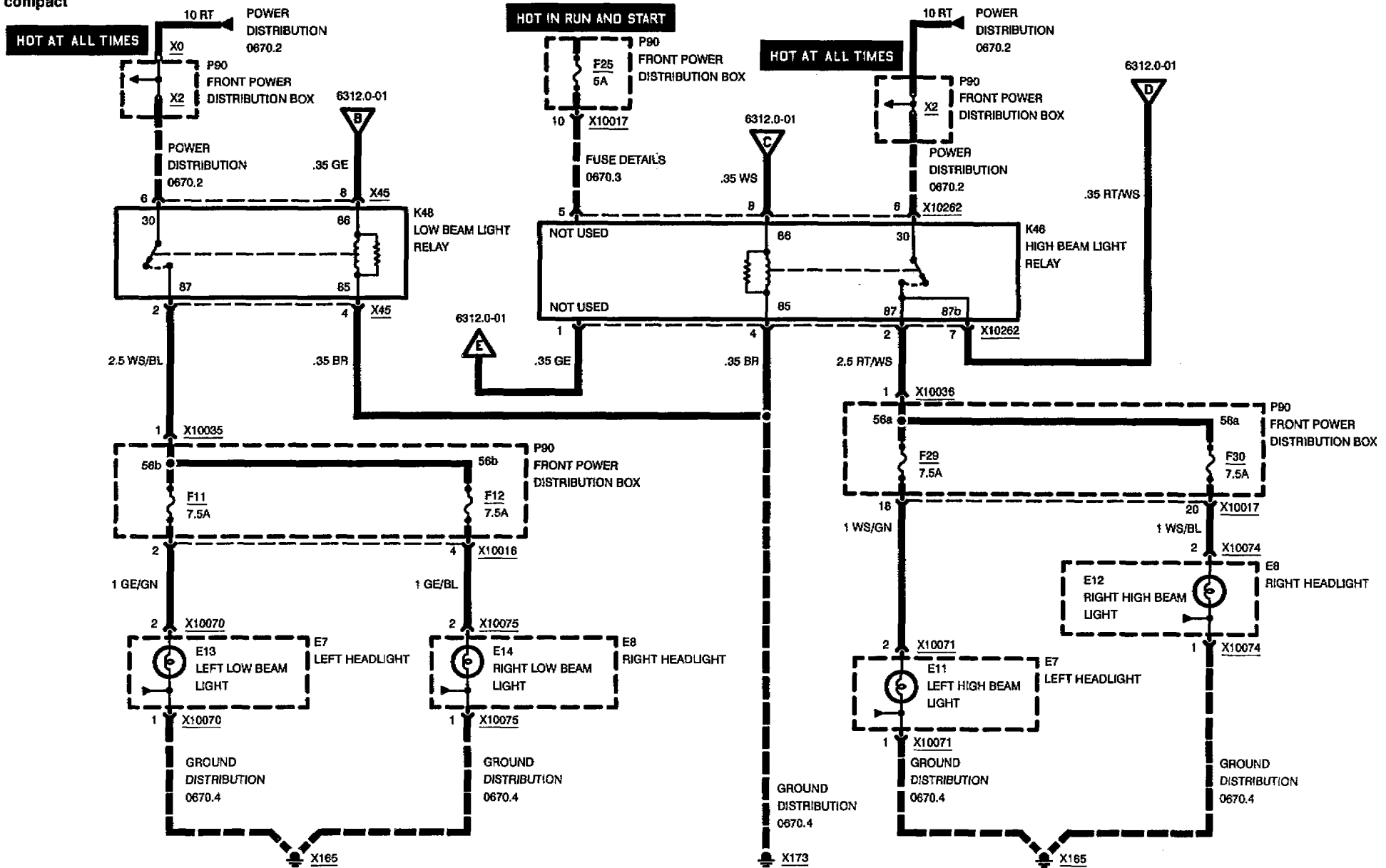
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compact

HEADLIGHTS/FOG LIGHTS



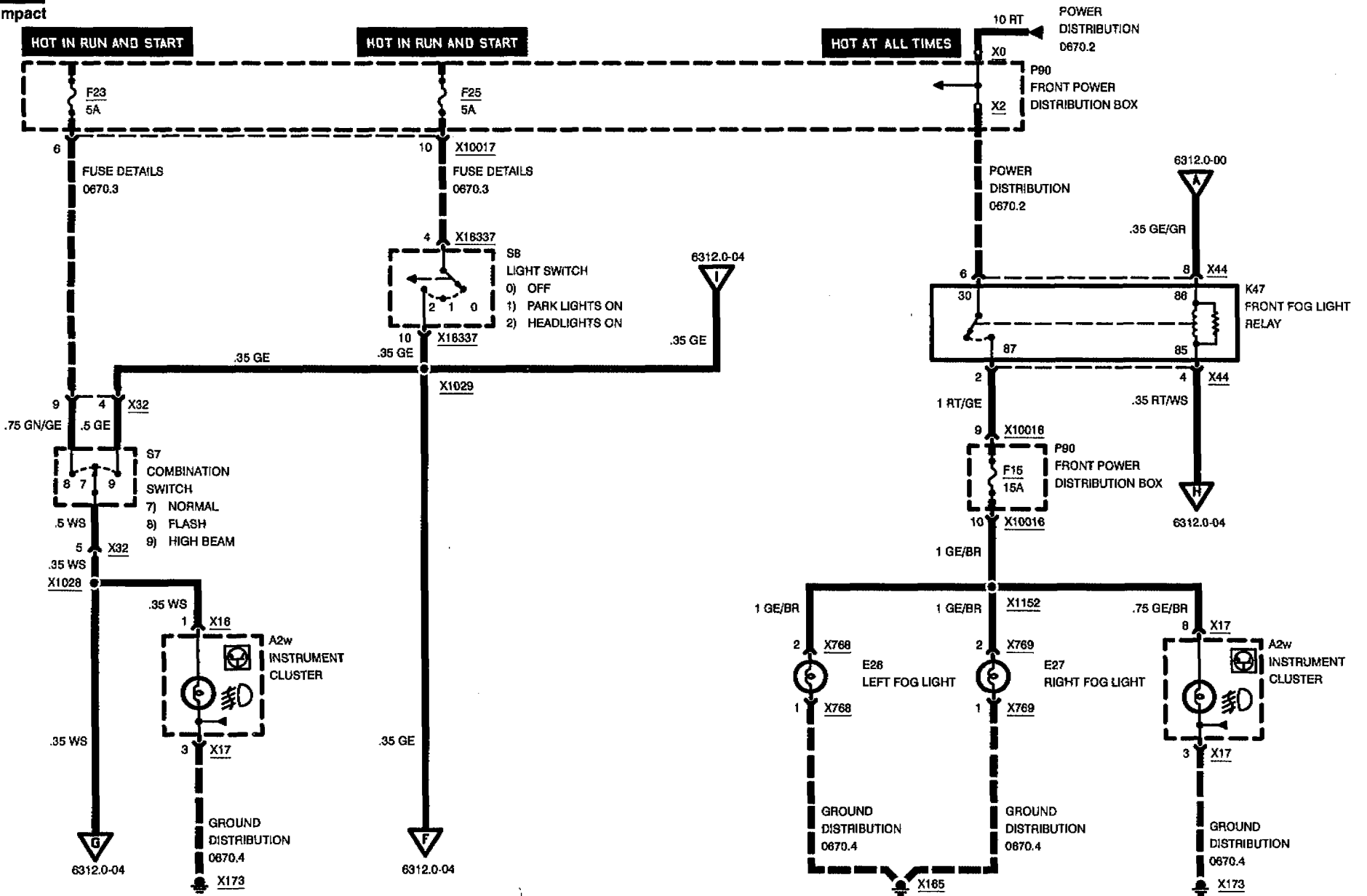
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6312.0-02

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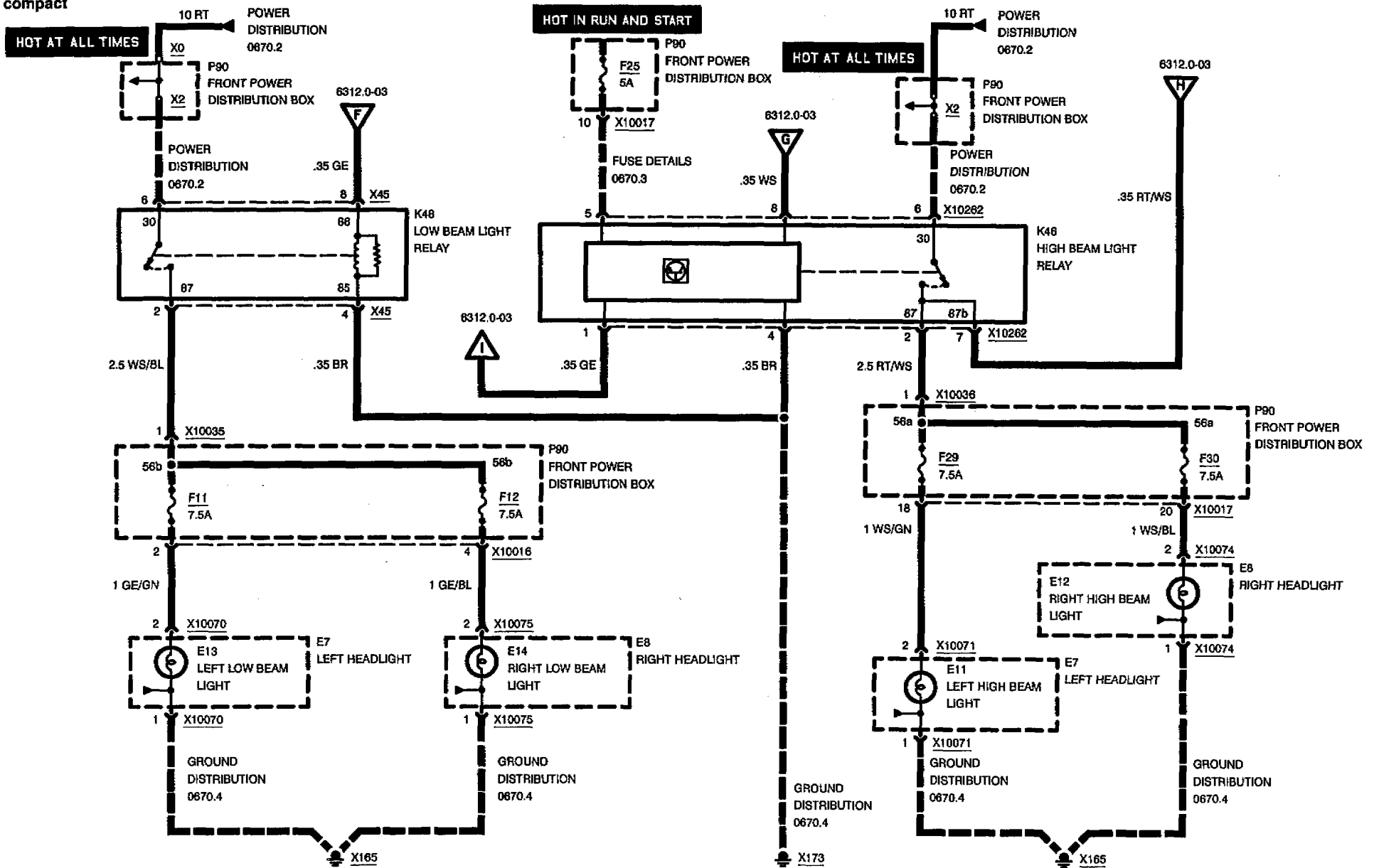
HEADLIGHTS/FOG LIGHTS





compact

HEADLIGHTS/FOG LIGHTS



09/97

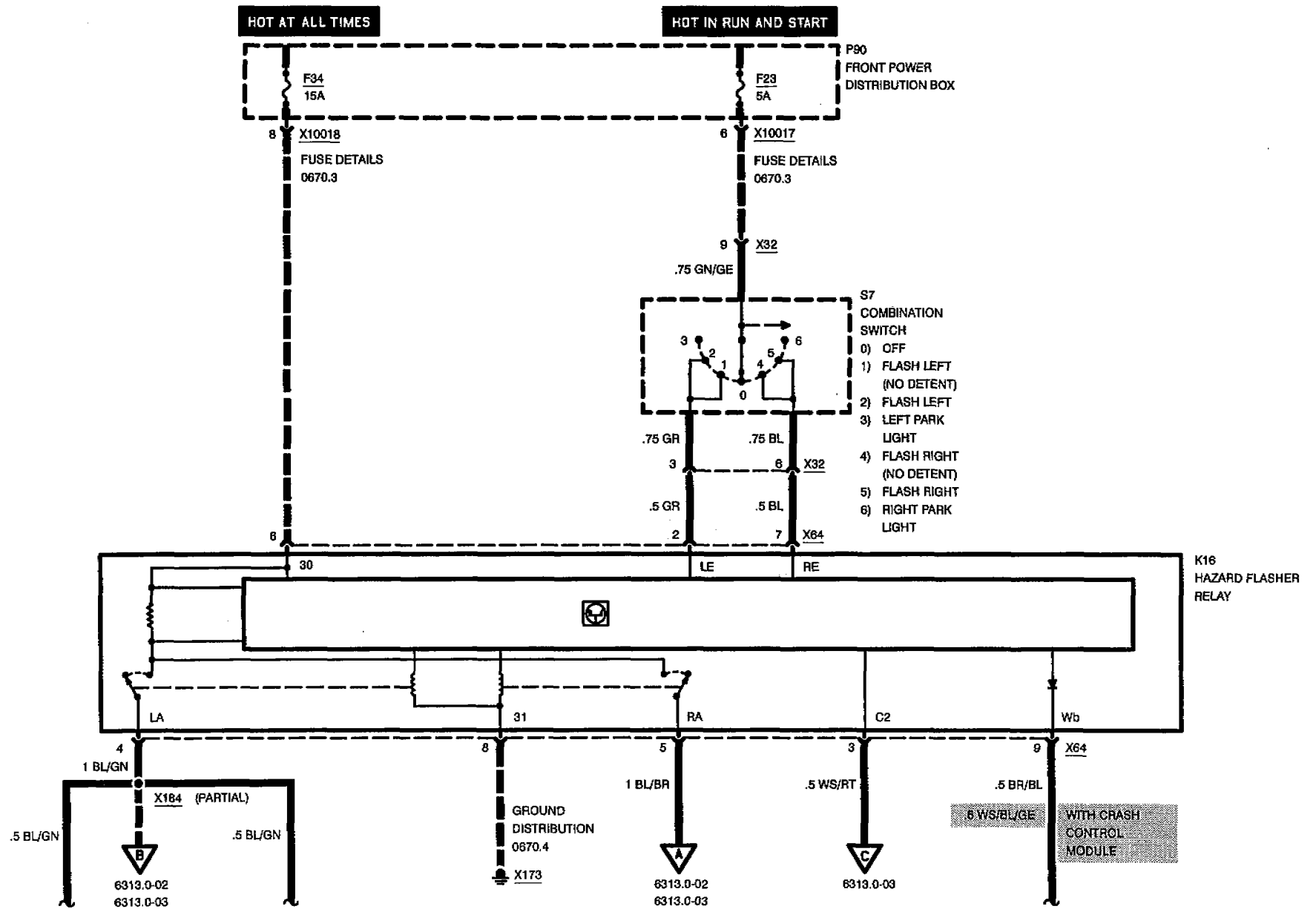
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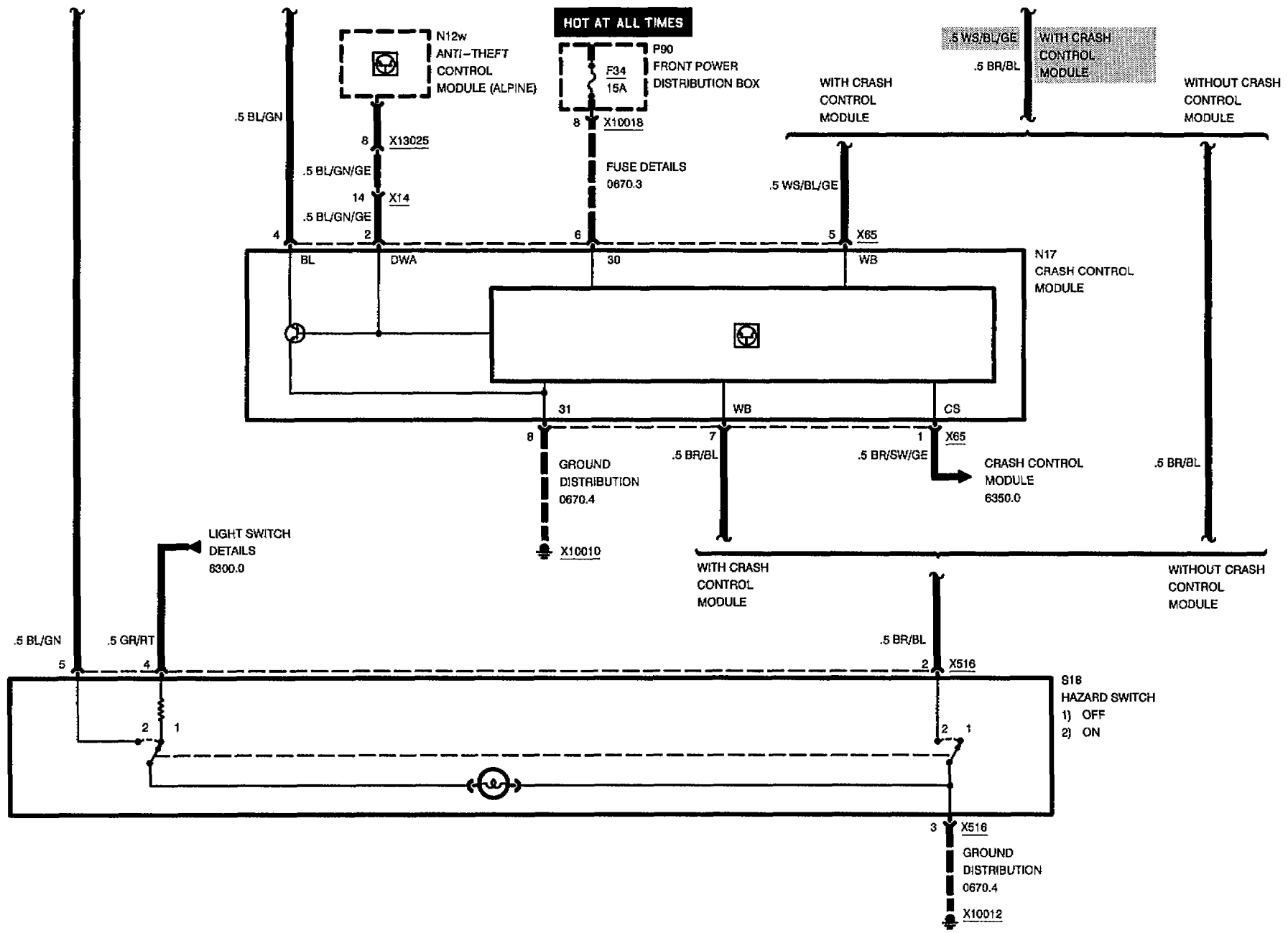
1998



6313.0

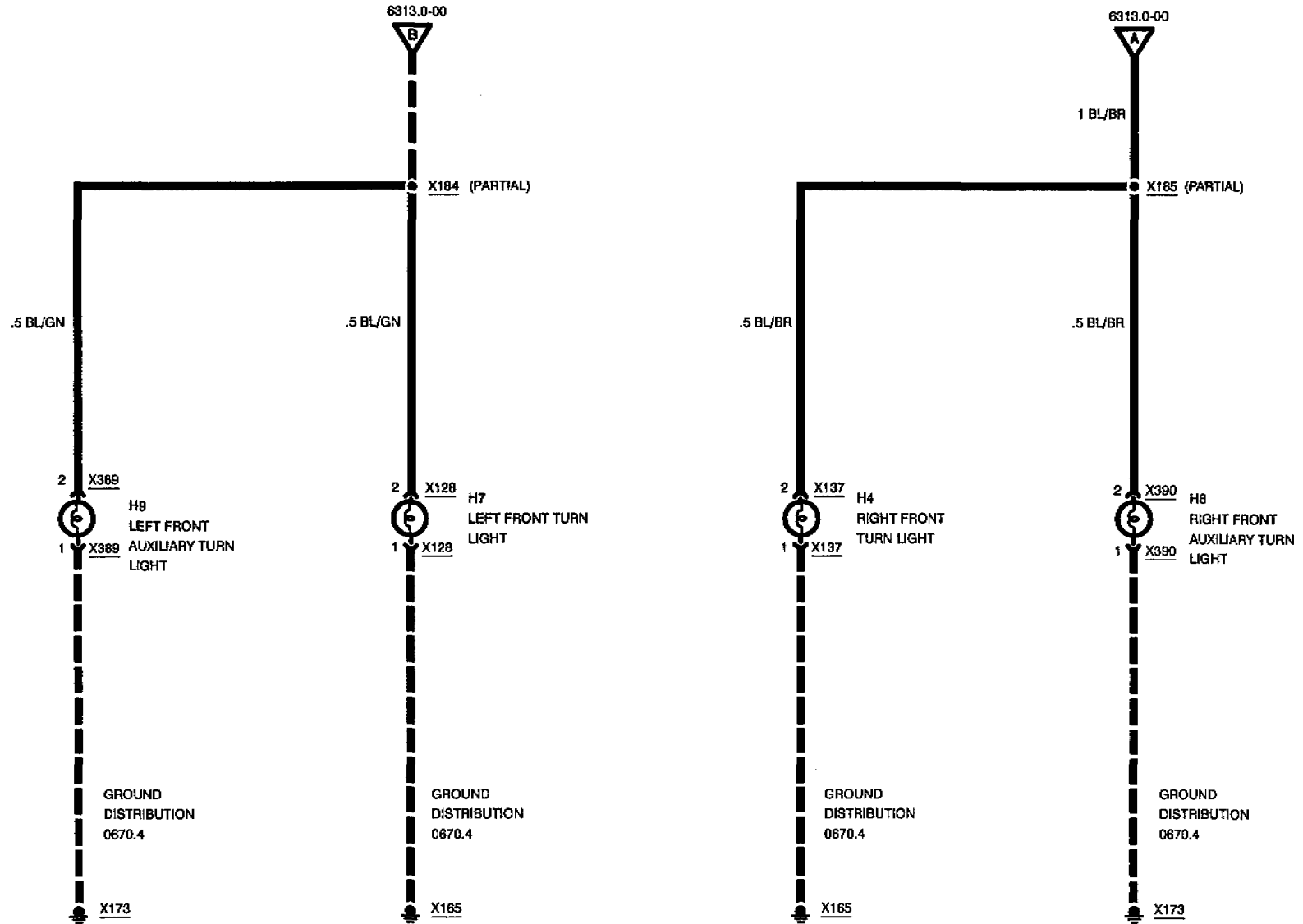
TURN/HAZARD LIGHTS





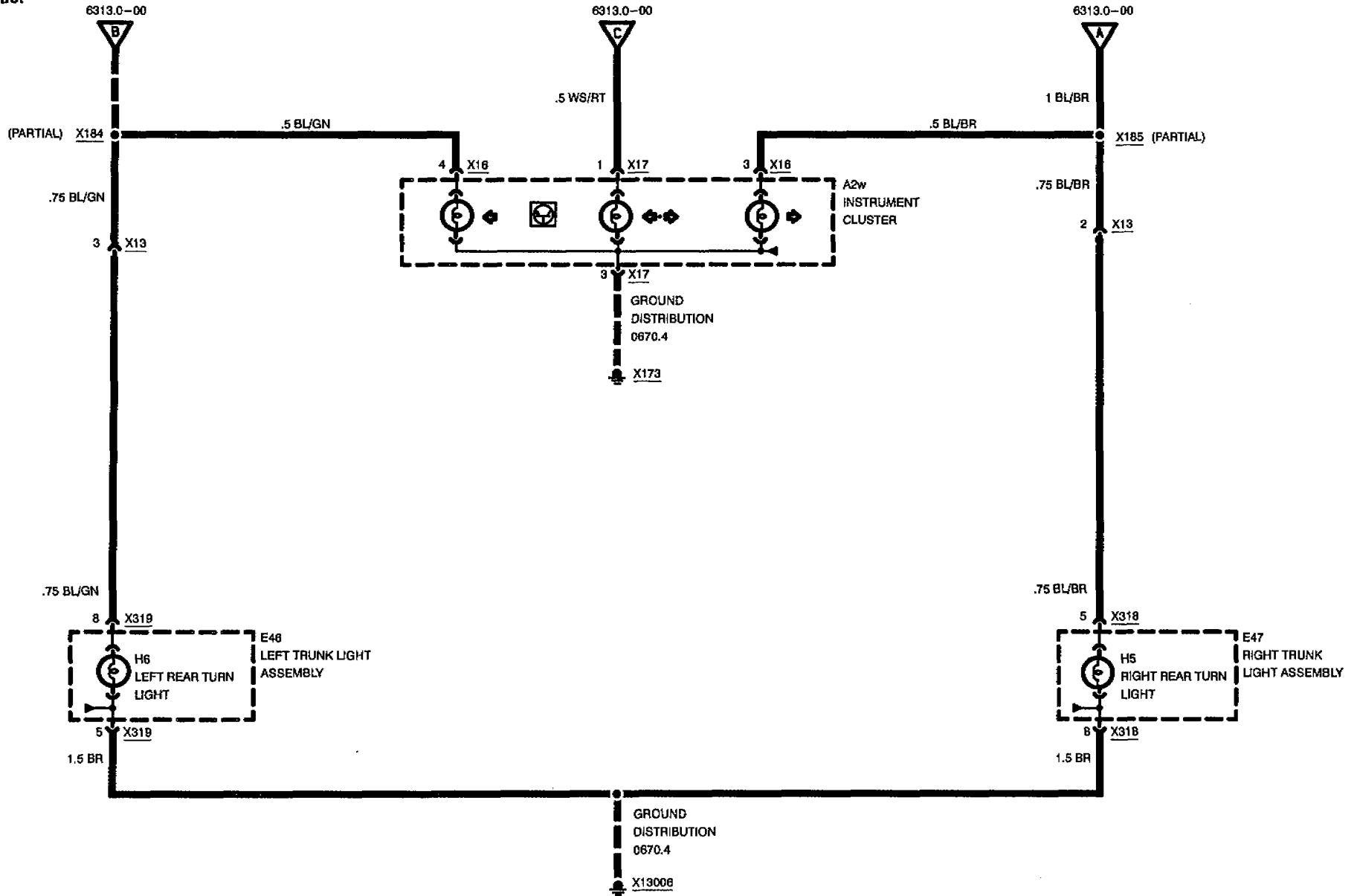


TURN/HAZARD LIGHTS





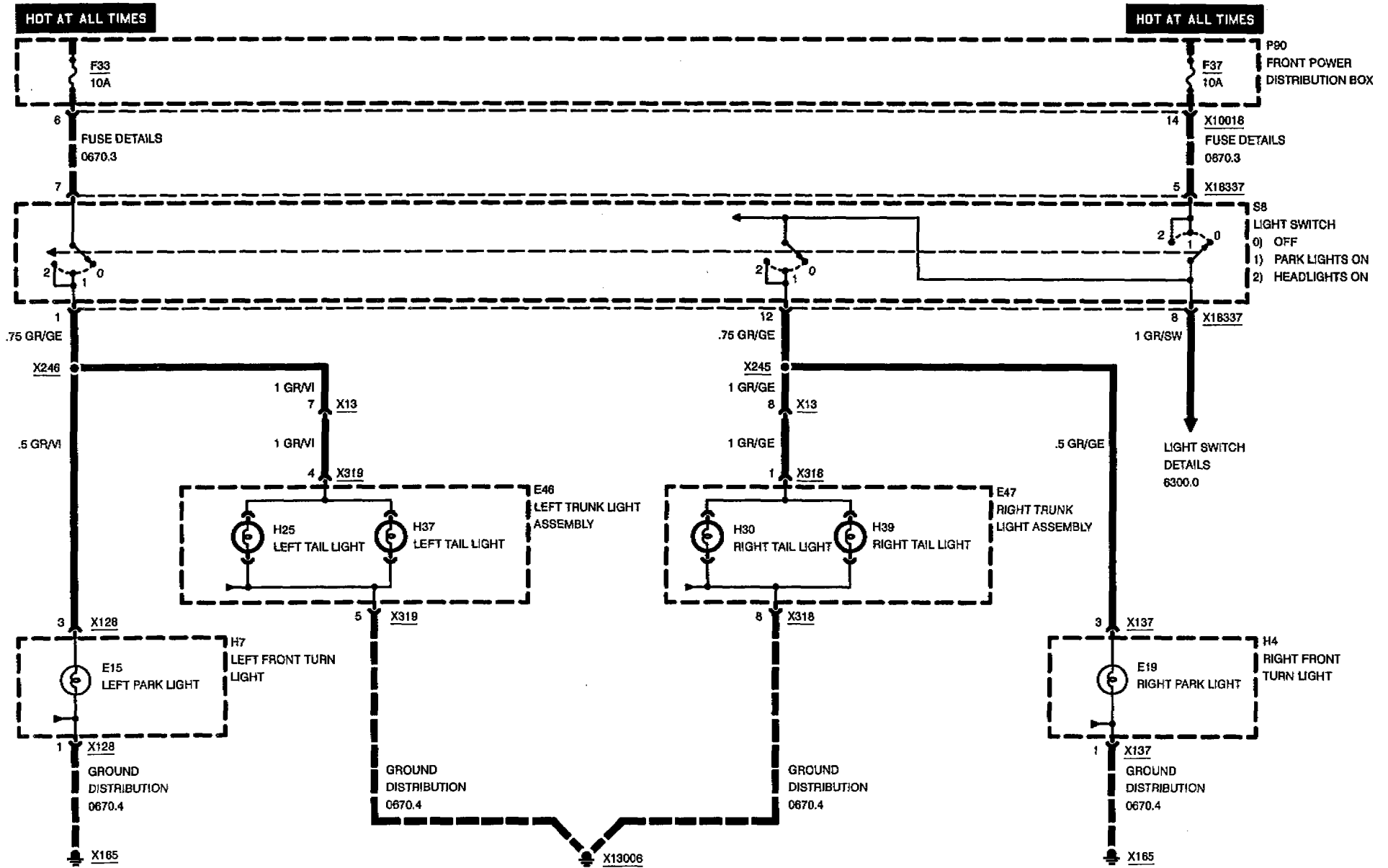
TURN/HAZARD LIGHTS





compact

PARK/TAIL/UNDERHOOD LIGHTS



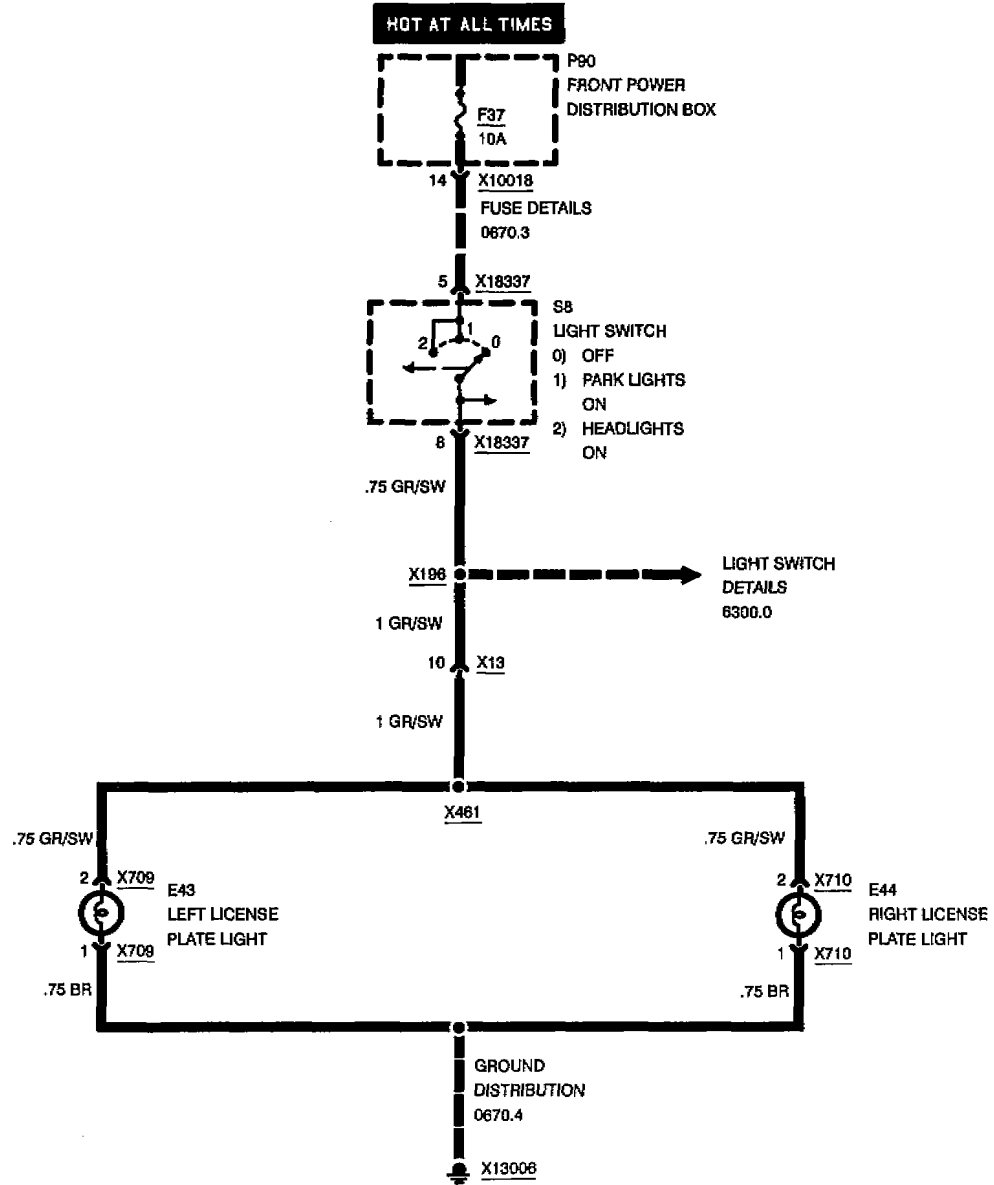


6320.0



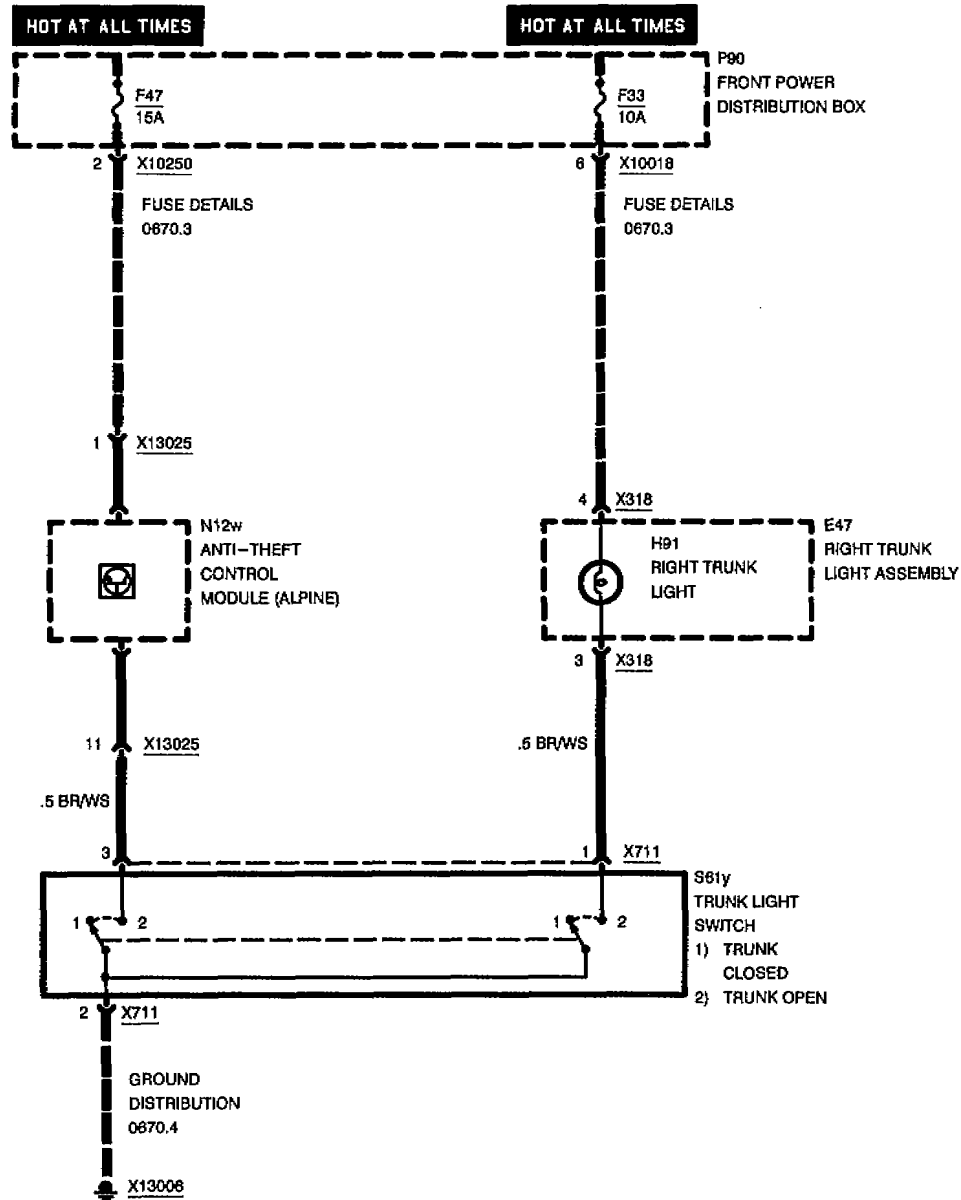
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LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS



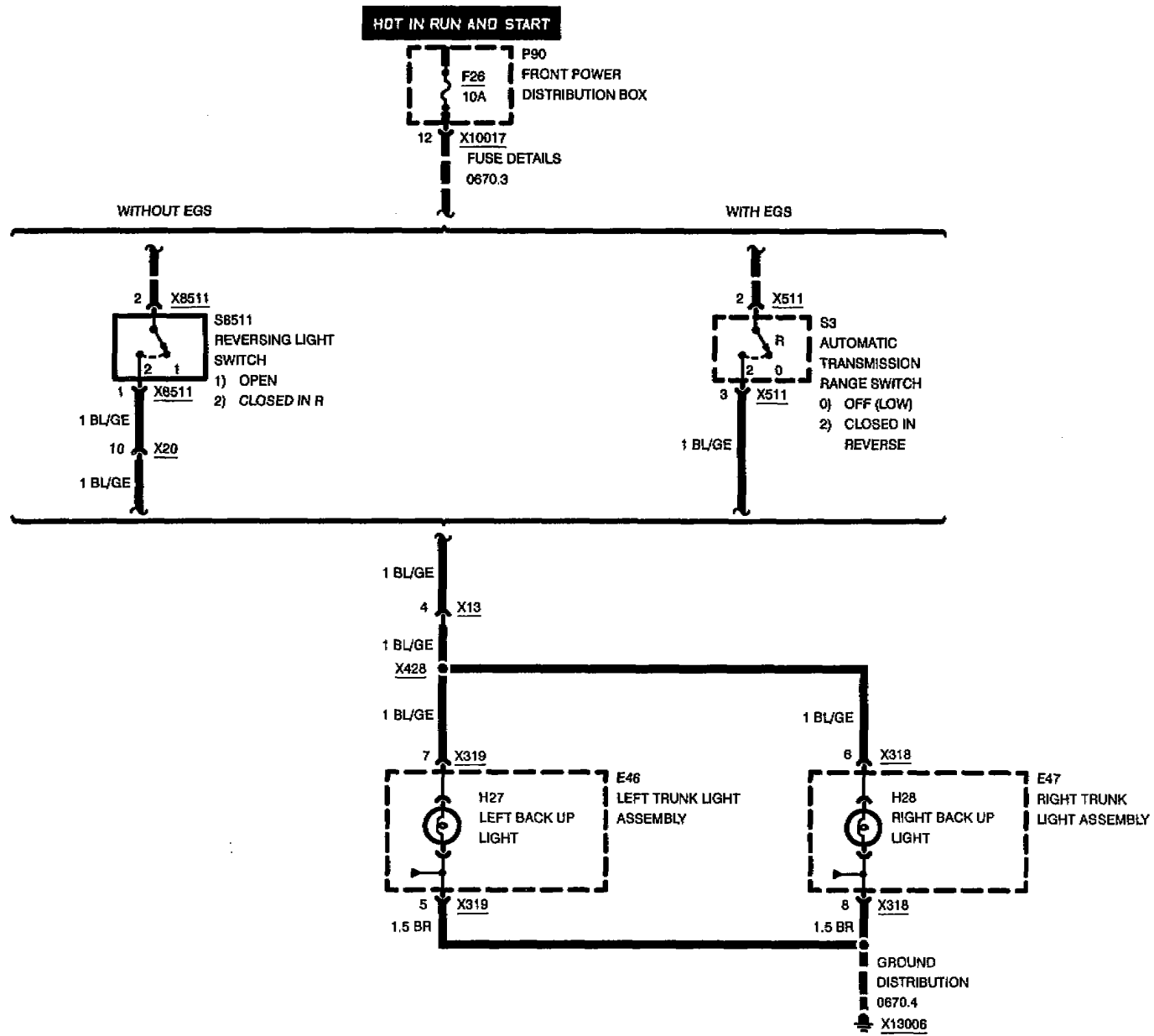


LICENSE PLATE/LUGGAGE COMPARTMENT LIGHTS





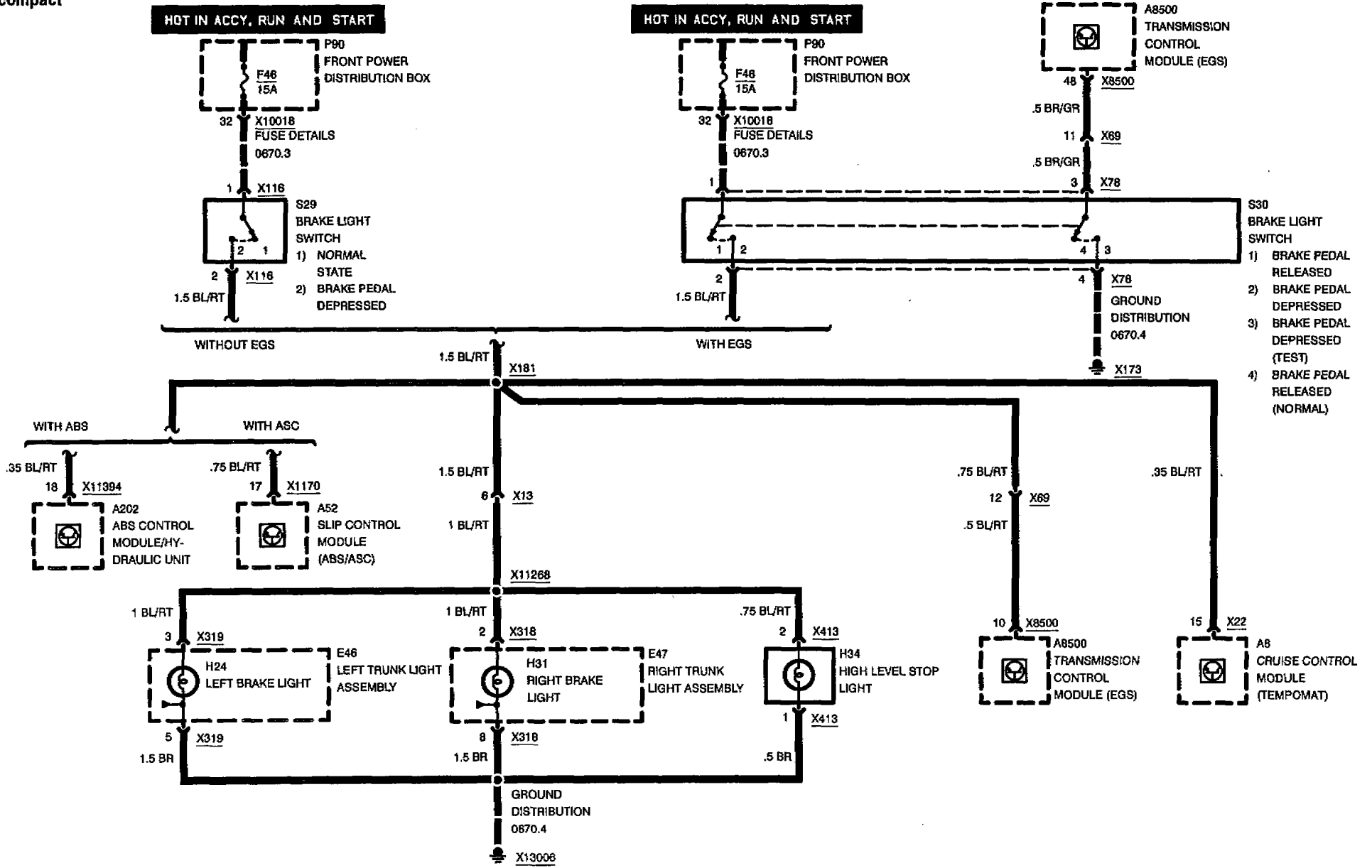
BACK UP LIGHTS





6325.0

BRAKE LIGHTS

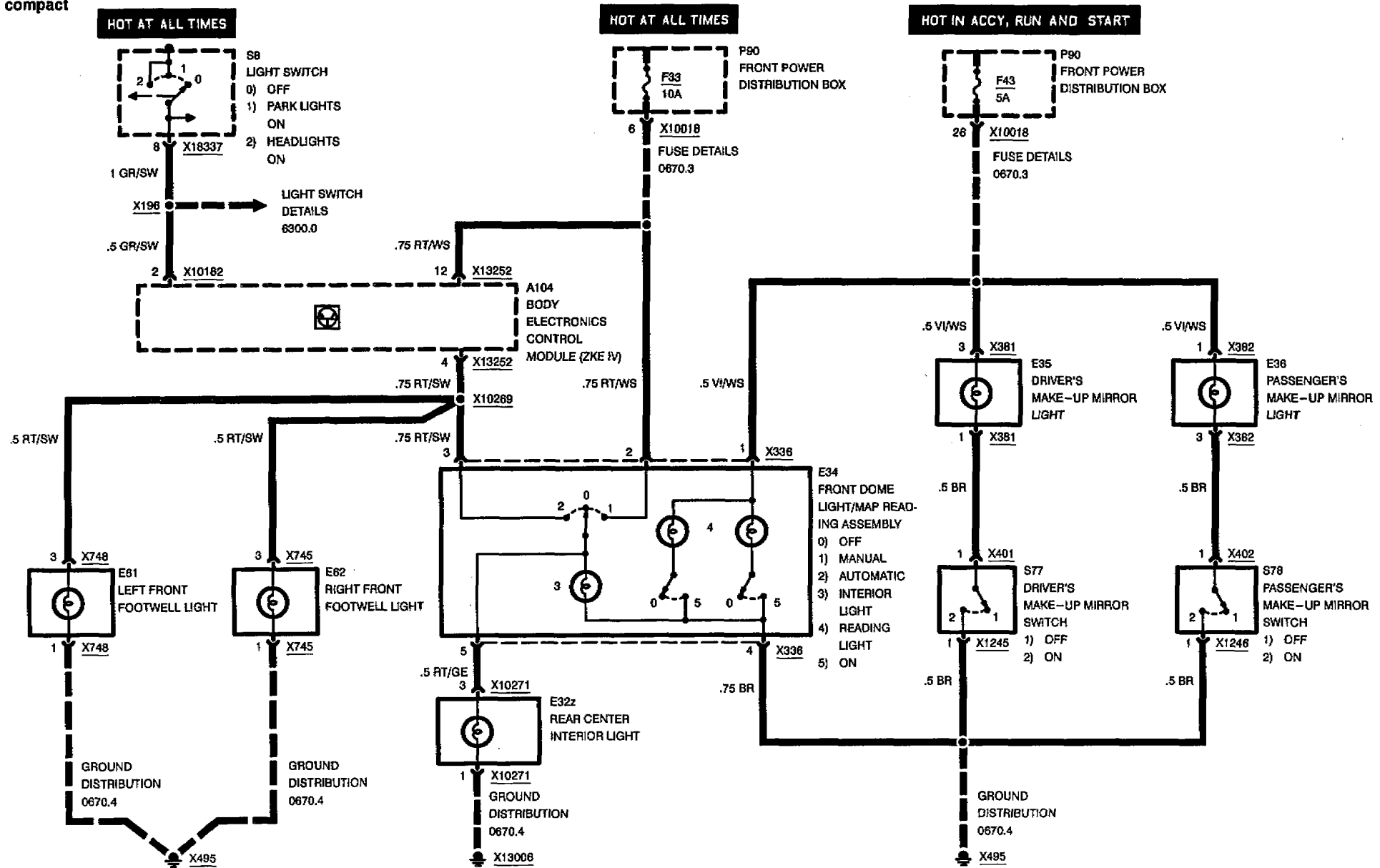




6330.3

INTERIOR LIGHTS

ZKE

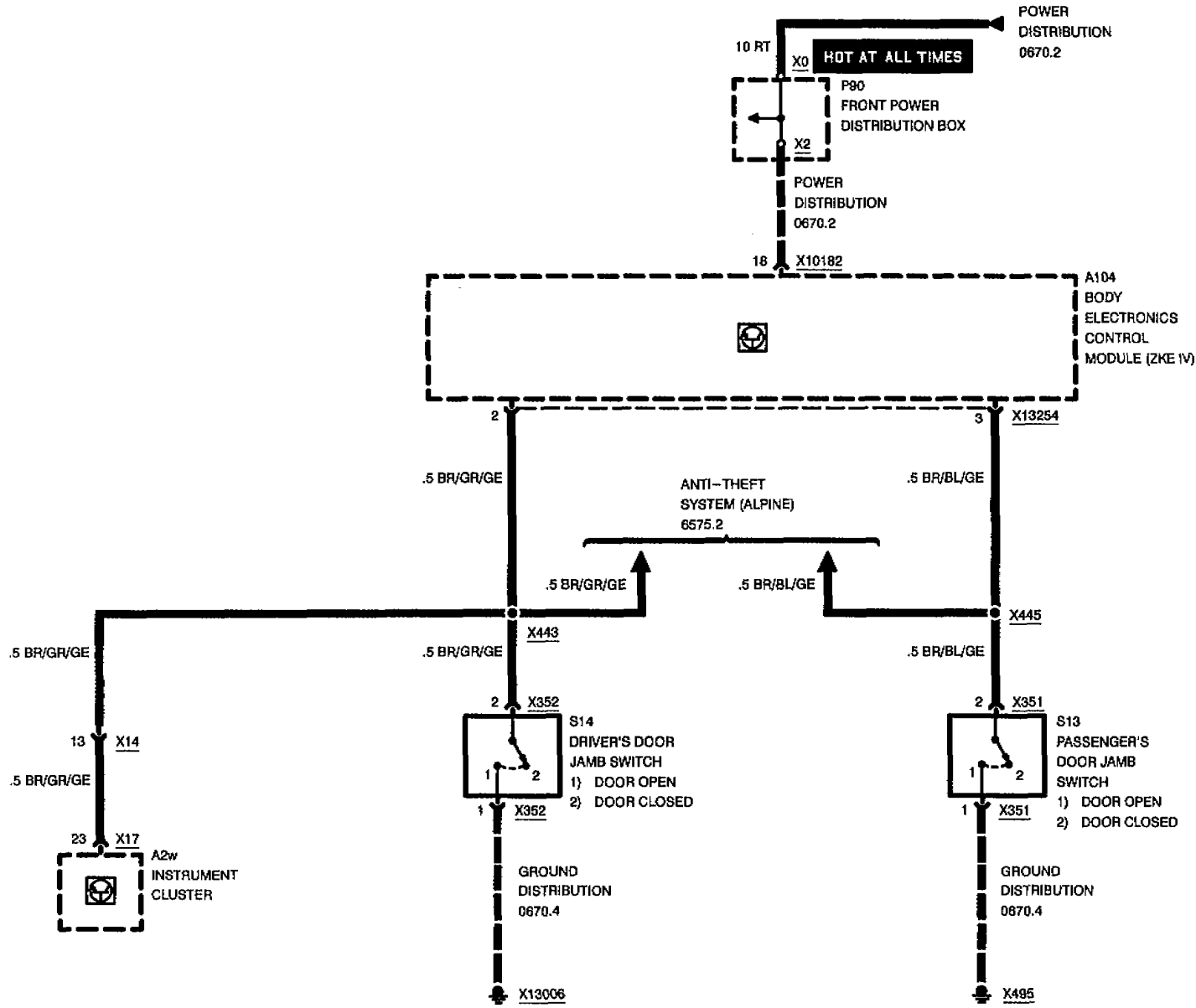




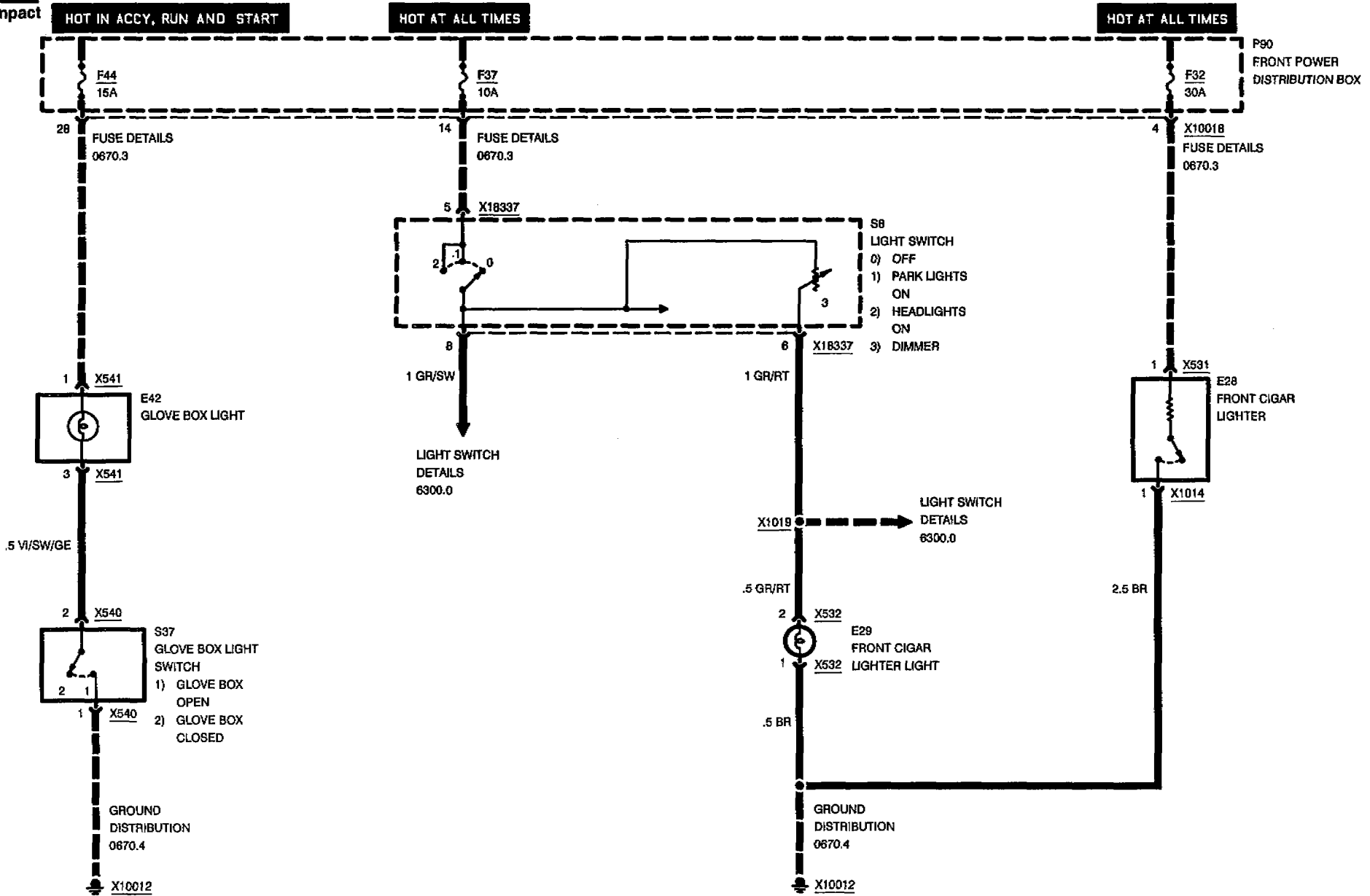
INTERIOR LIGHTS

ZKE

compact



INTERIOR ACCESSORIES

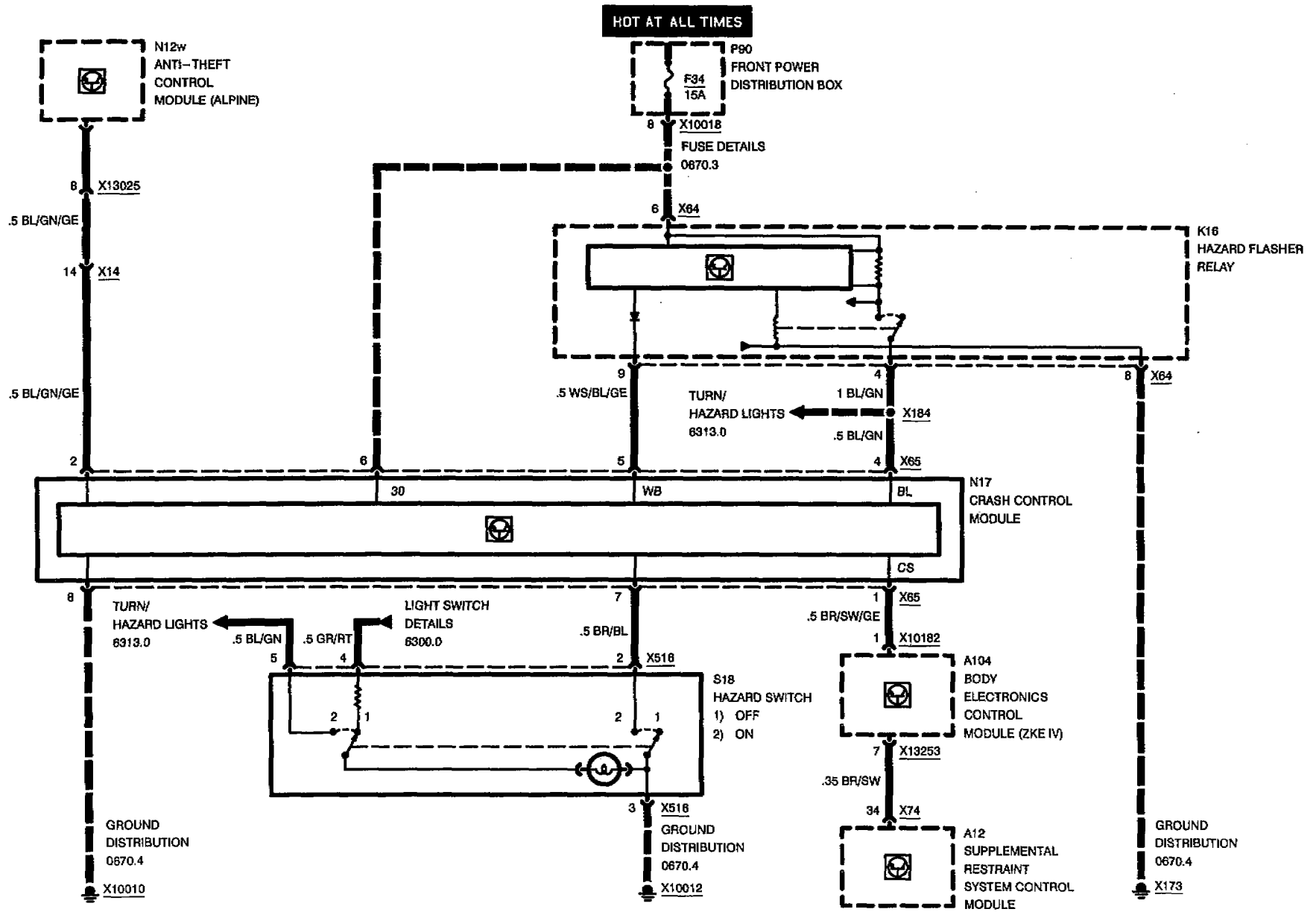




6350.0



CRASH CONTROL MODULE



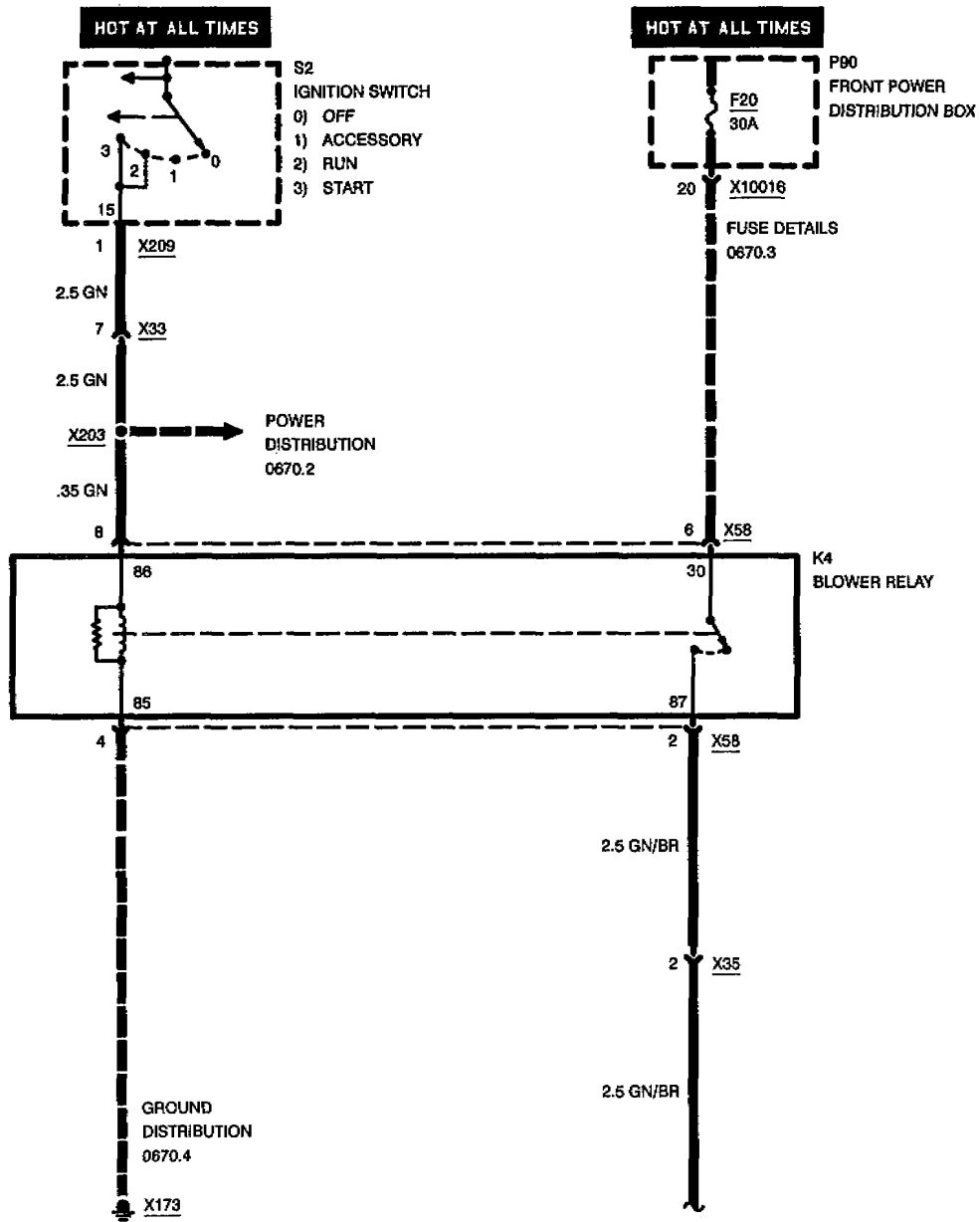
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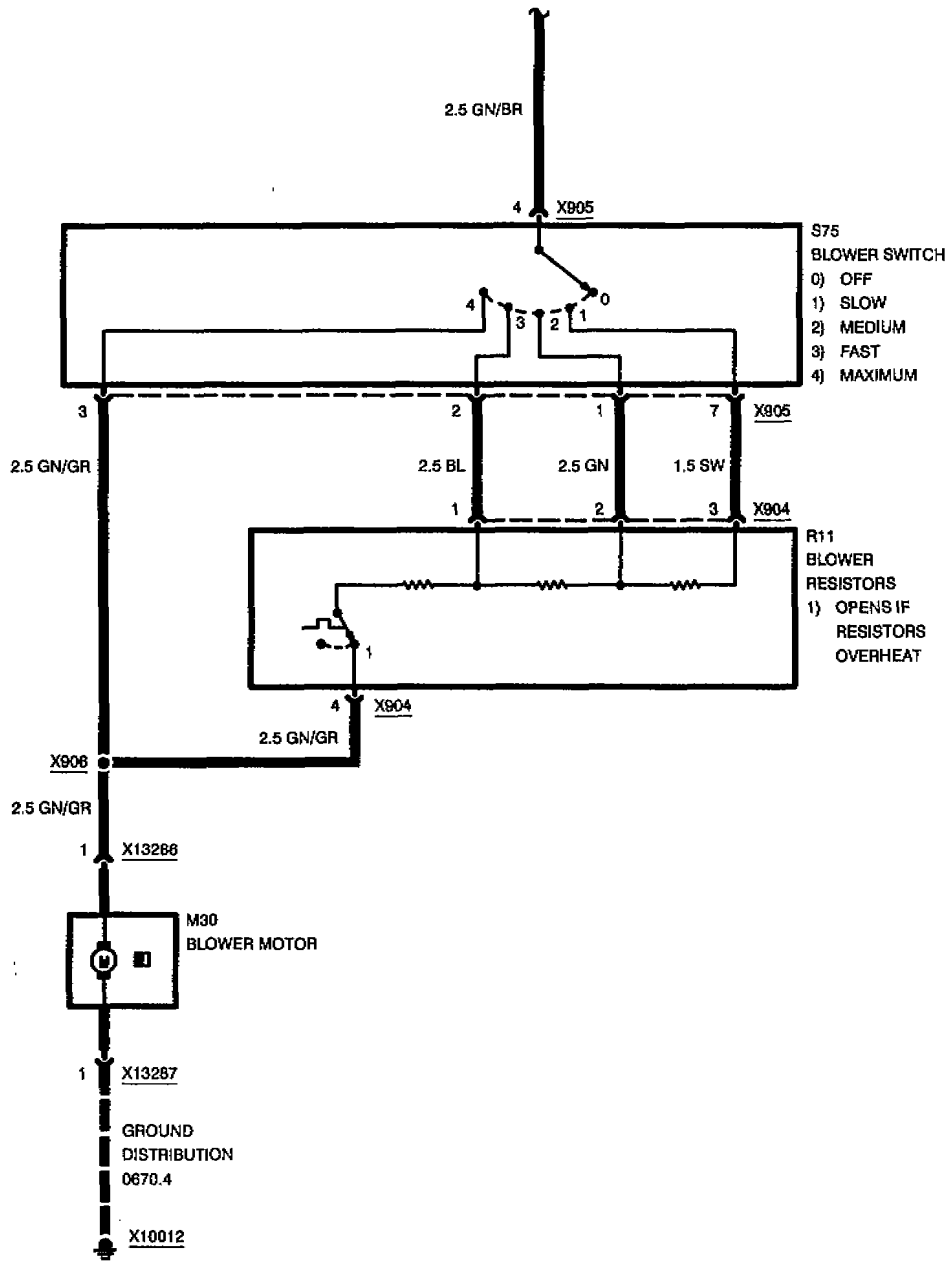
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1998

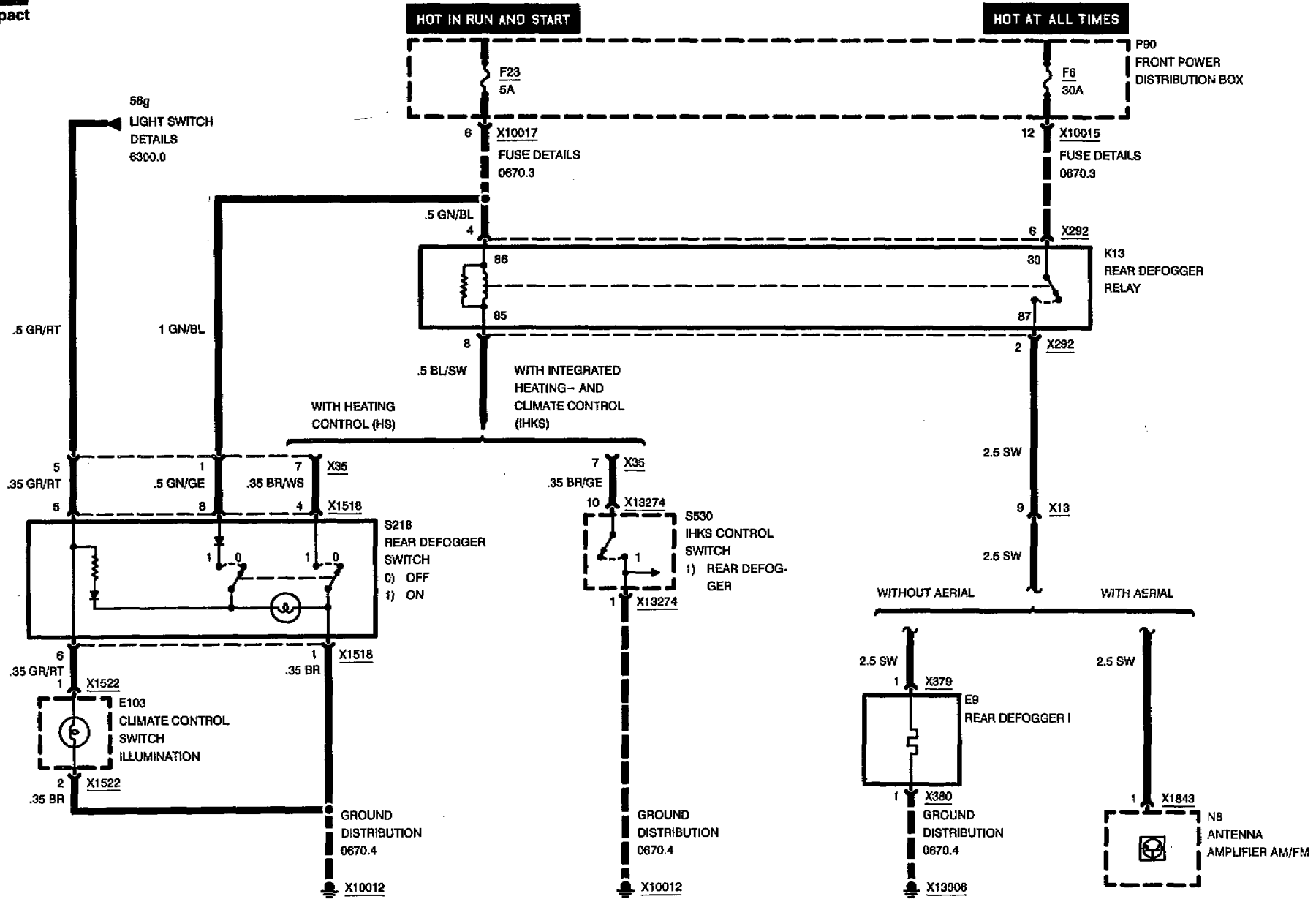


HEATING CONTROL (HS)



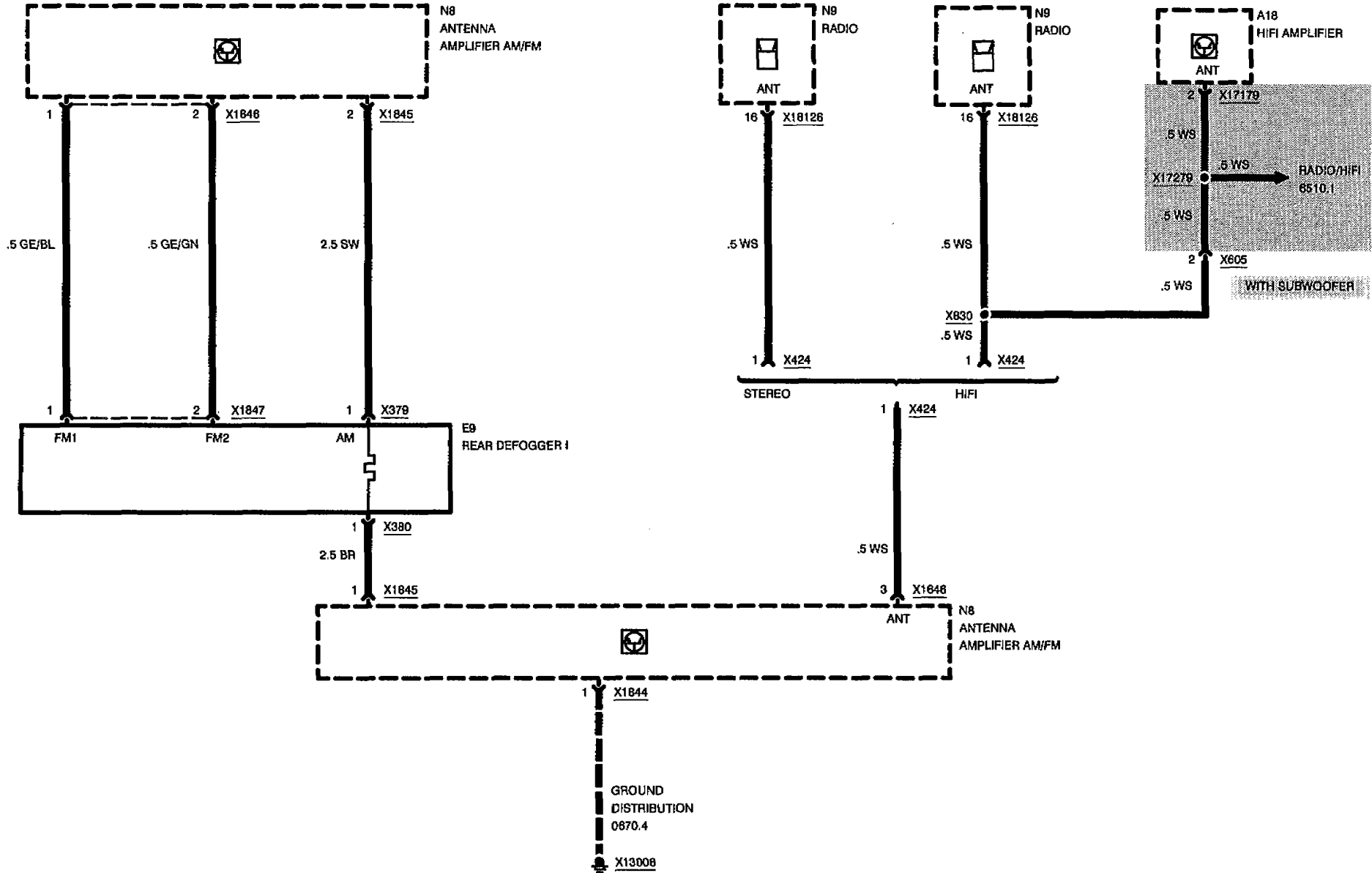


REAR WINDOW DEFOGGER/ANTENNA



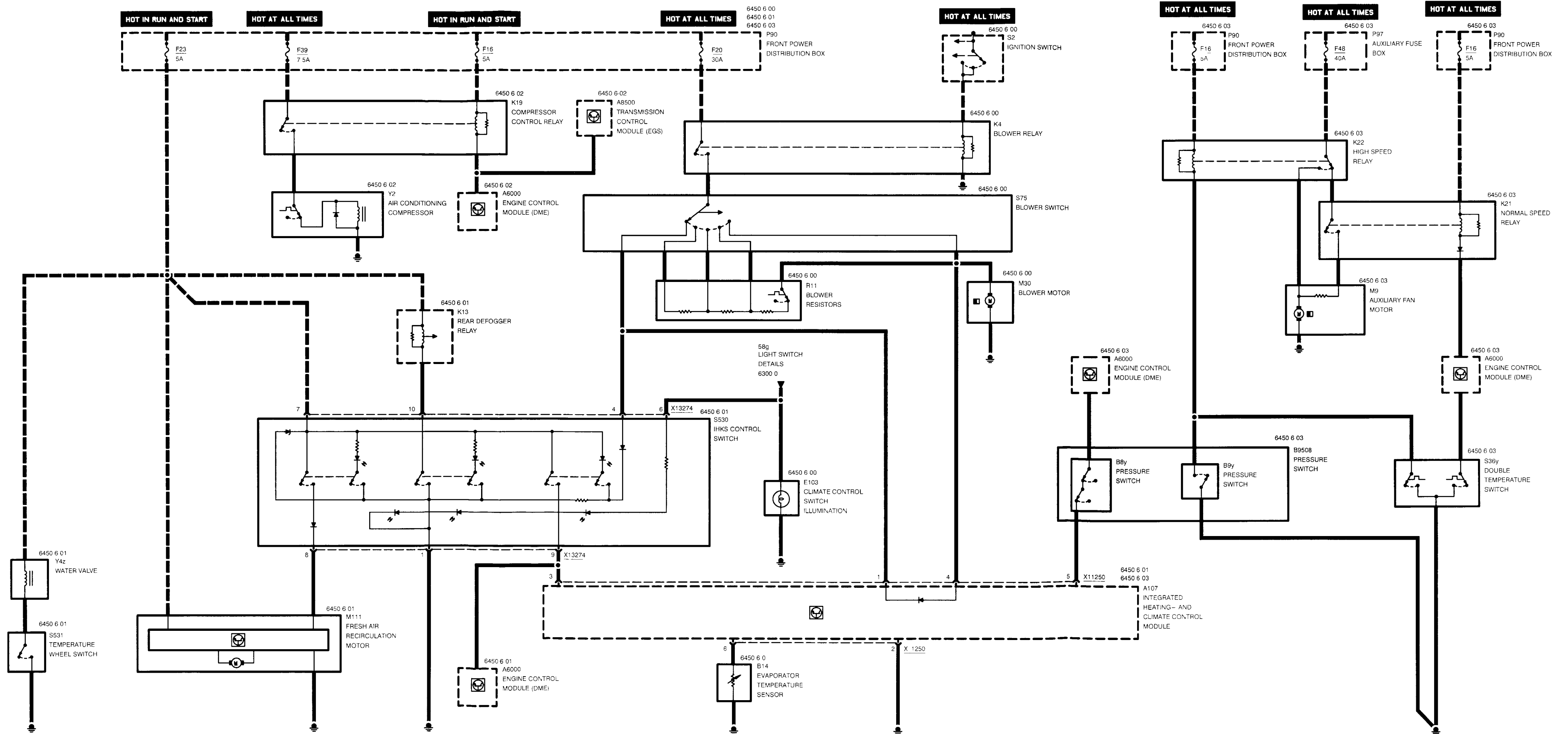


REAR WINDOW DEFOGGER/ANTENNA





6424.0-02



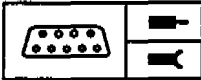


compact

09/97

6450.6-a

1998



Pin Assignments

X11250	6-Pins, black
X13274	10-Pins, black

X11250

Pin	Type	Description/Function	Connection
1	E	Air recirculation signal	Blower switch
2	M	Ground	Ground point
3	E	Function signal	IHKS switch, engine control module (DME)
4	E	Air recirculation signal	Blower switch
5	E	Pressure signal	Pressure switch
6	E	Evaporative temperature	Evaporative temperature sensor

X13274

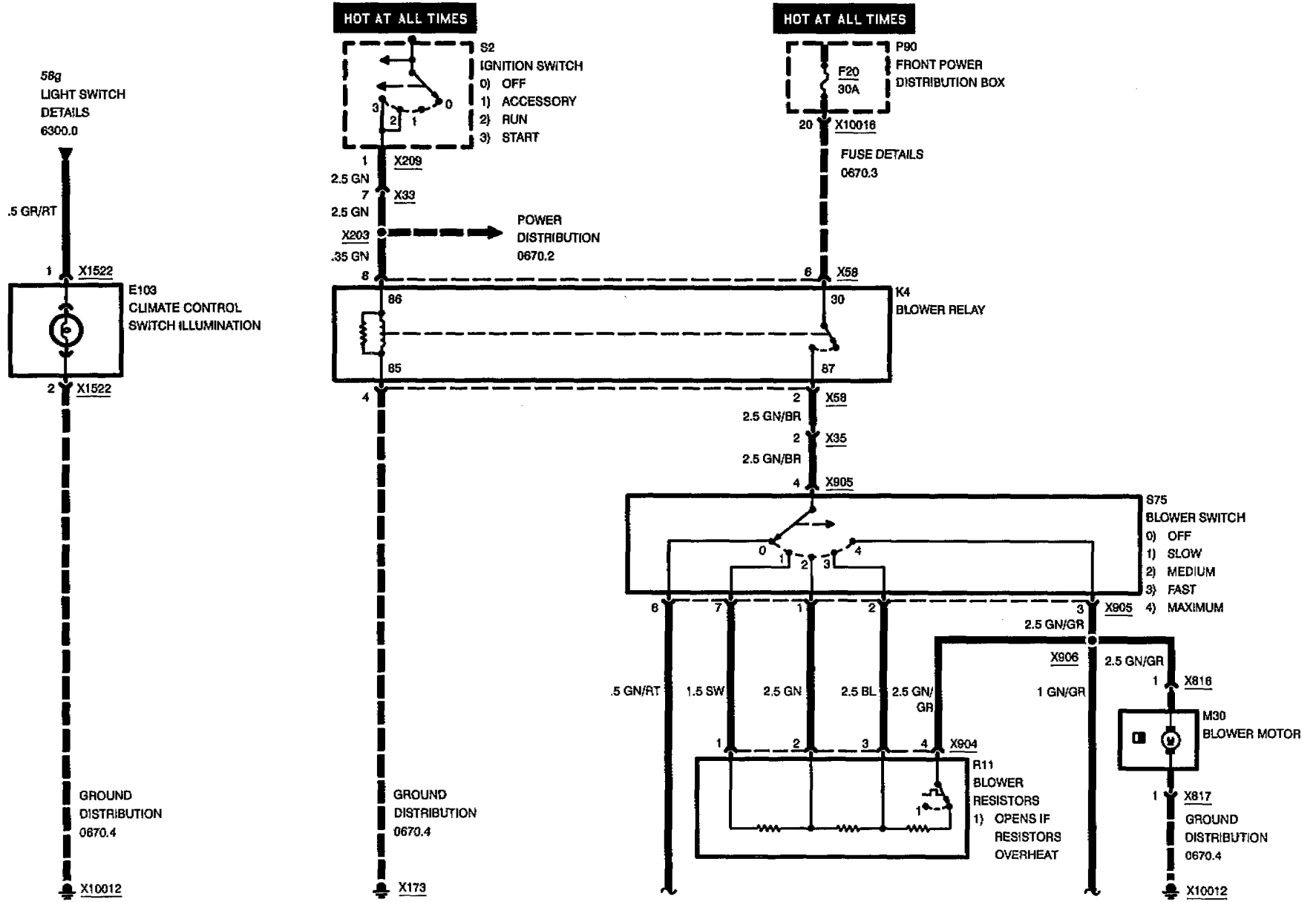
Pin	Type	Description/Function	Connection
1	M	Ground	Ground point
2		Not used	
3		Not used	
4	E	Air circulation signal	Blower switch
5		Not used	
6	E	Terminal 58g	Light switch
7	E	Terminal 15	Front power distribution box, fuse 23
8	A	Air recirculation signal	Fresh air recirculation motor
9	A	Function signal	IHKS-control module, engine control module (DME)
10	A	Rear defogger signal	Rear window defogger relay

E = Input, A = Output, M = Ground



INTEGRATED HEATING- AND CLIMATE CONTROL

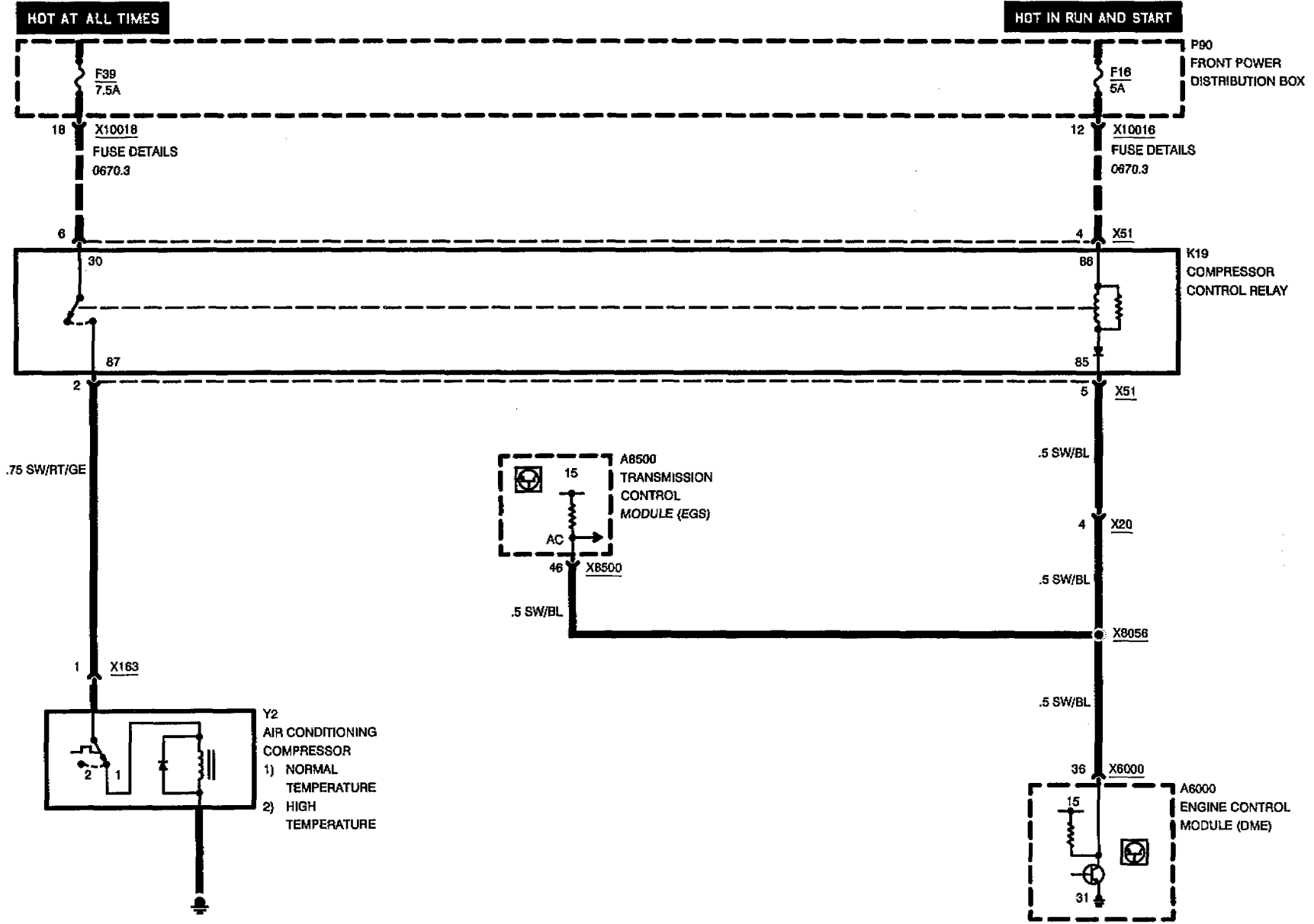
POWER, AIR FLOW CONTROL





INTEGRATED HEATING- AND CLIMATE CONTROL

COMPRESSOR CONTROLS



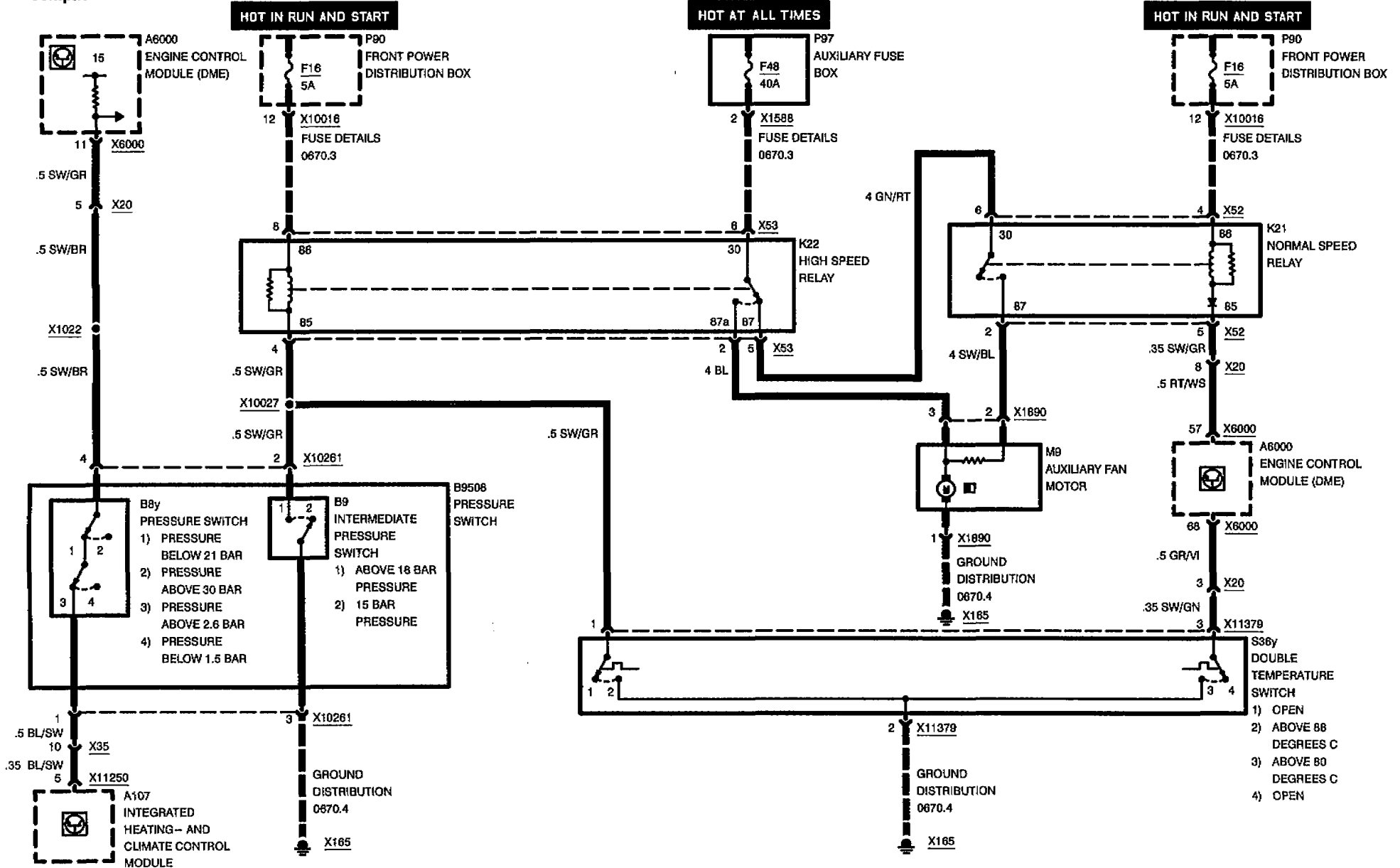
09/97

6450.6-02

1998

INTEGRATED HEATING— AND CLIMATE CONTROL

AUXILIARY FAN





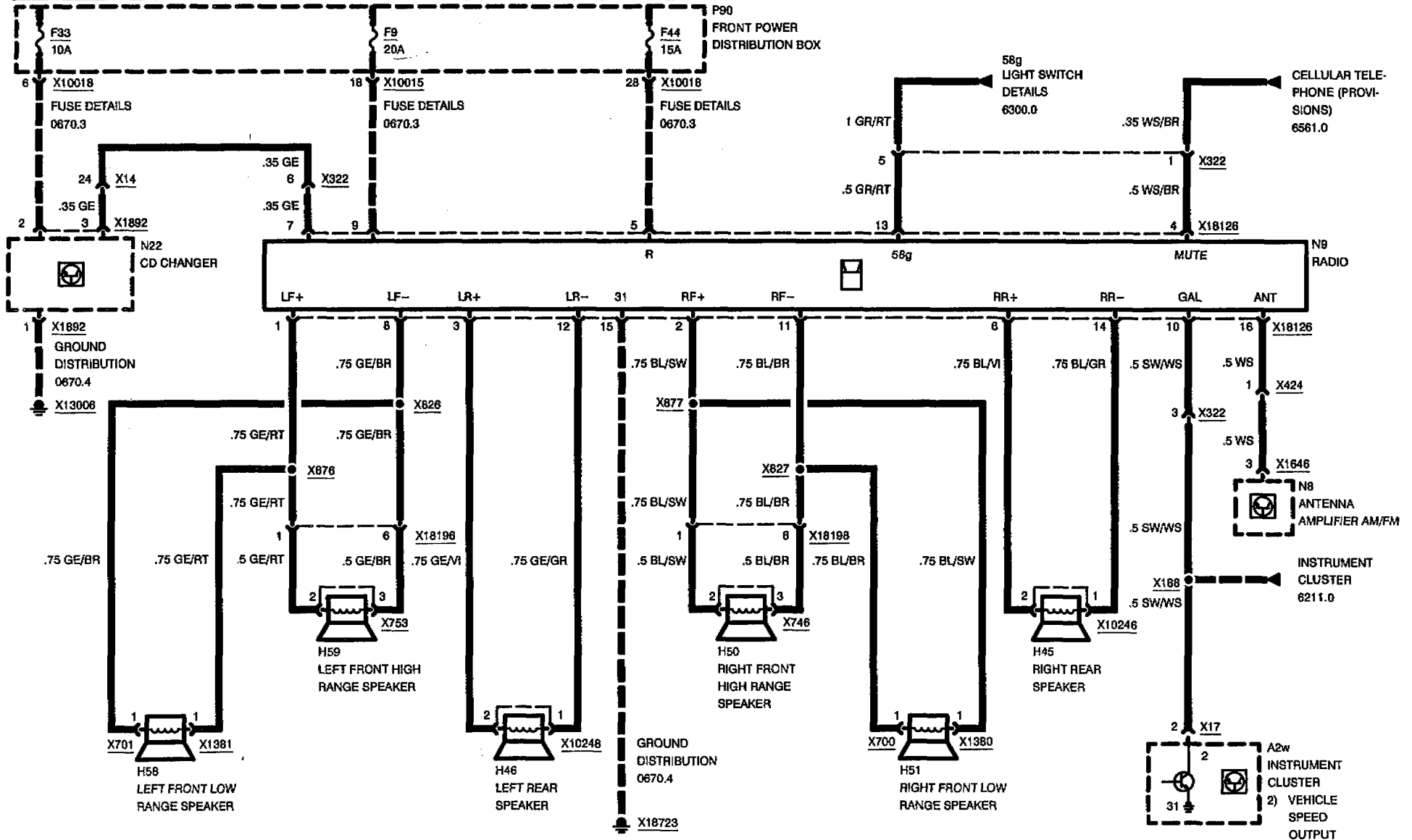
RADIO/STEREO

compact

HOT AT ALL TIMES

HOT AT ALL TIMES

HOT IN ACCY, RUN AND START



09/97

6510.0-00

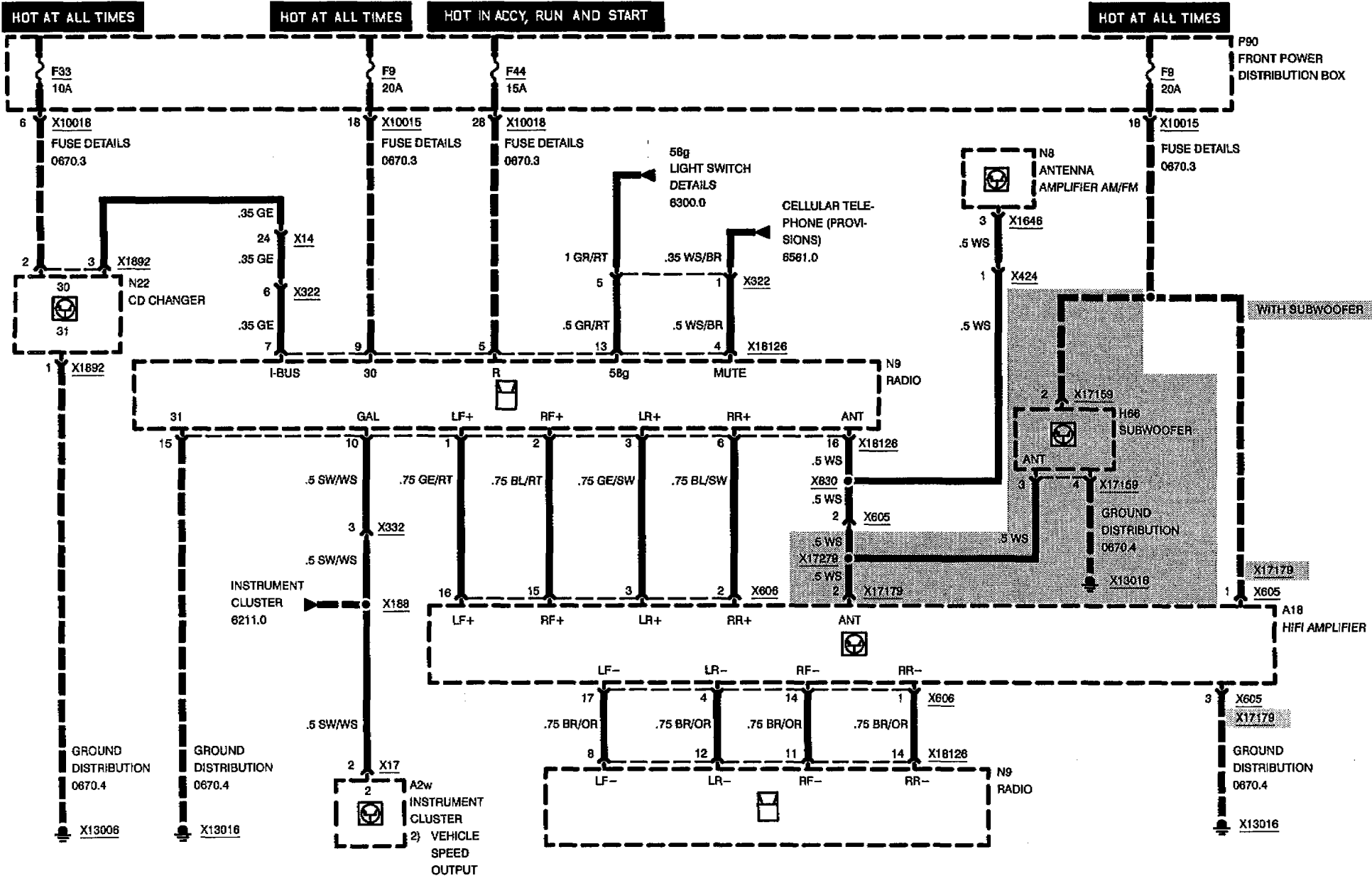
1998



BMW RADIO/HIFI

3

compact

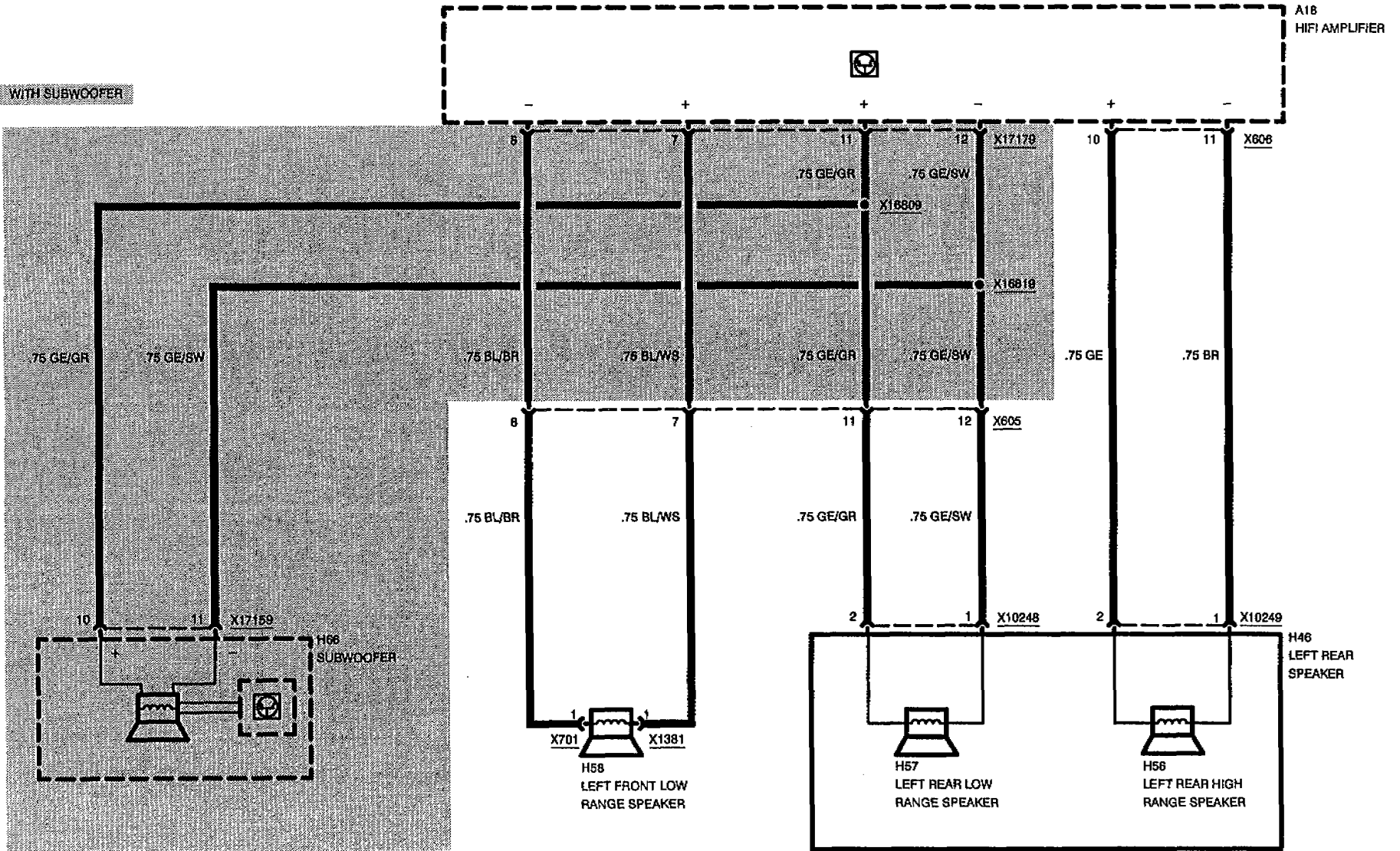


09/97

6510.1-00

1998

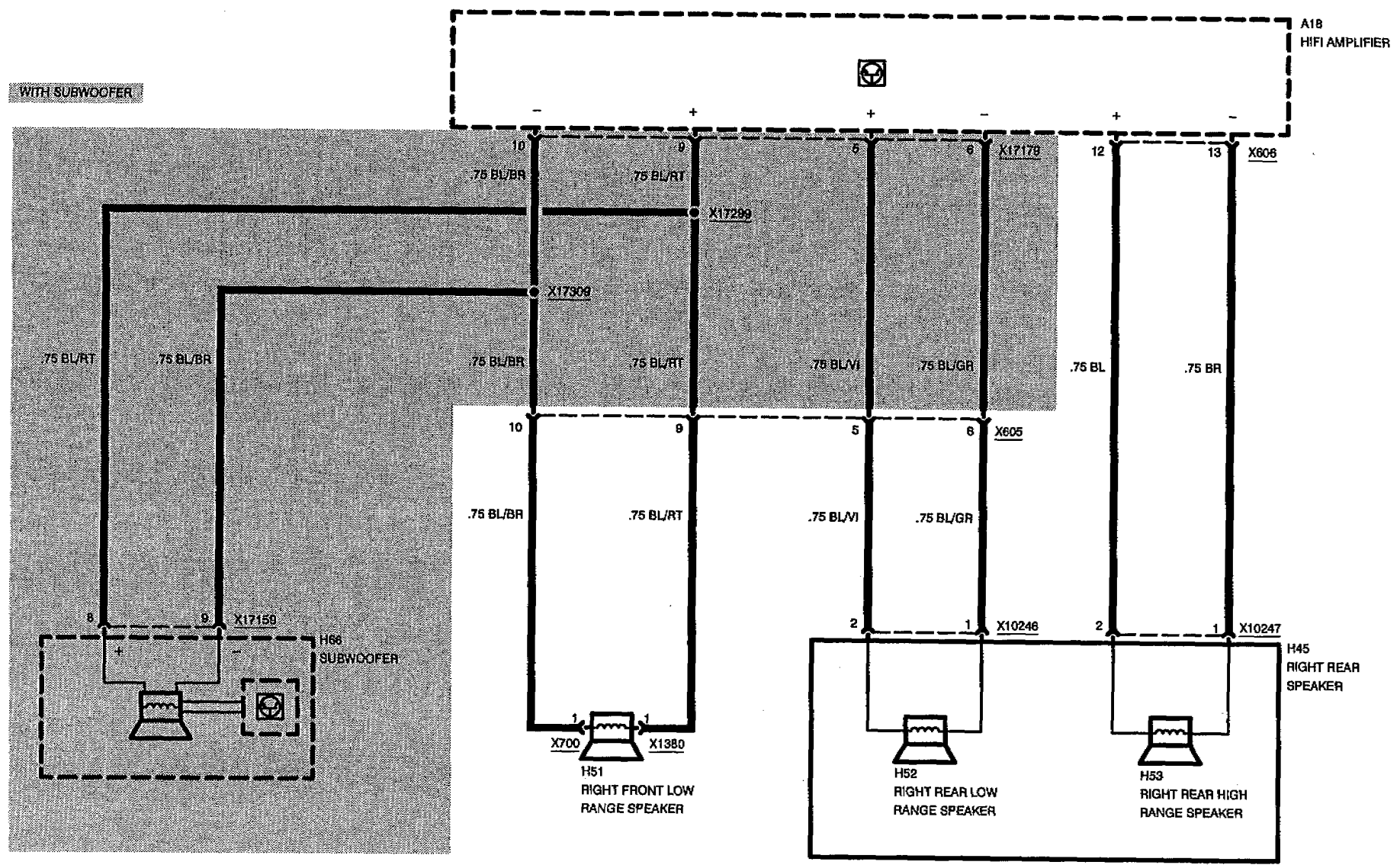
WITH SUBWOOFER





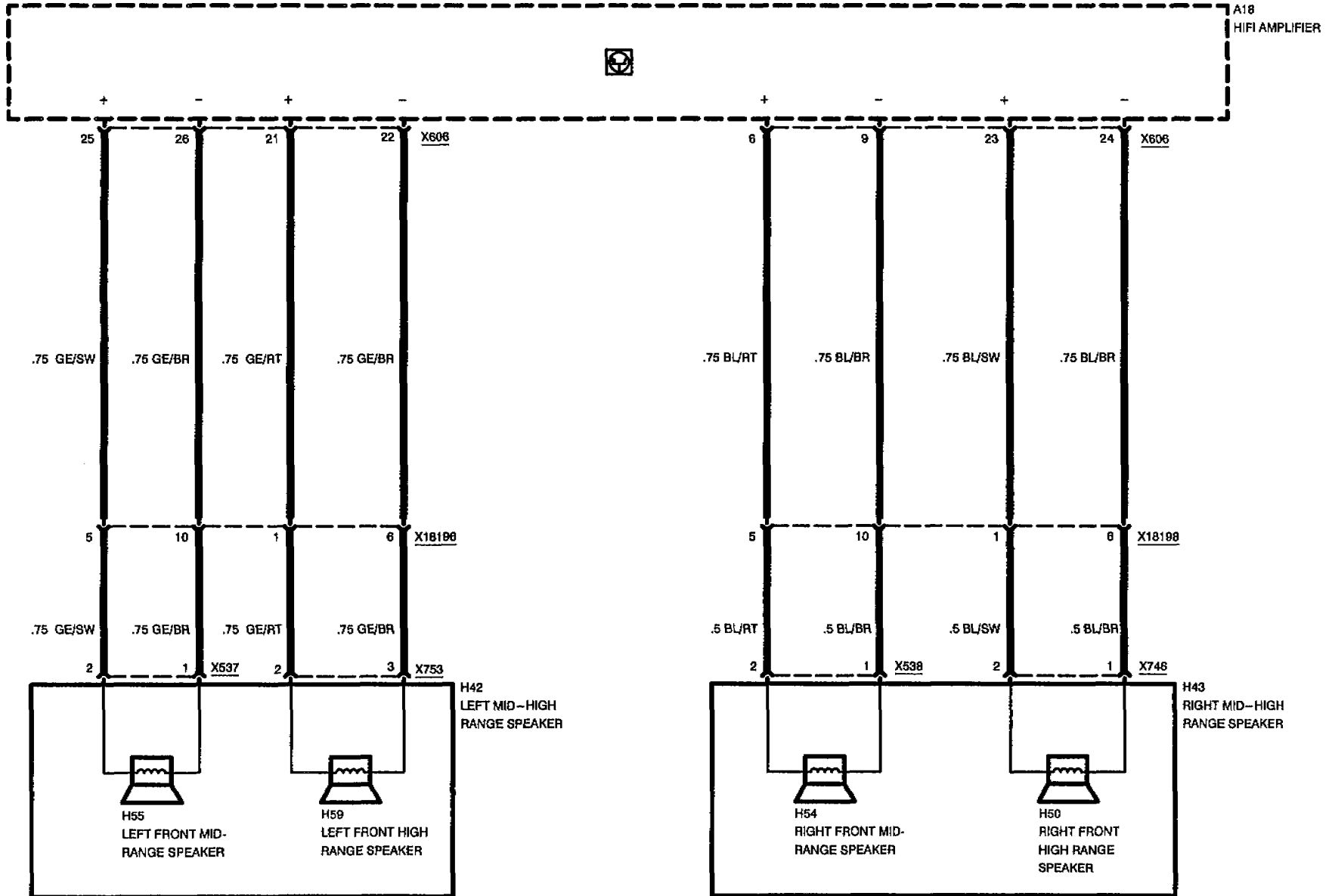
RADIO/HIFI

WITH SUBWOOFER





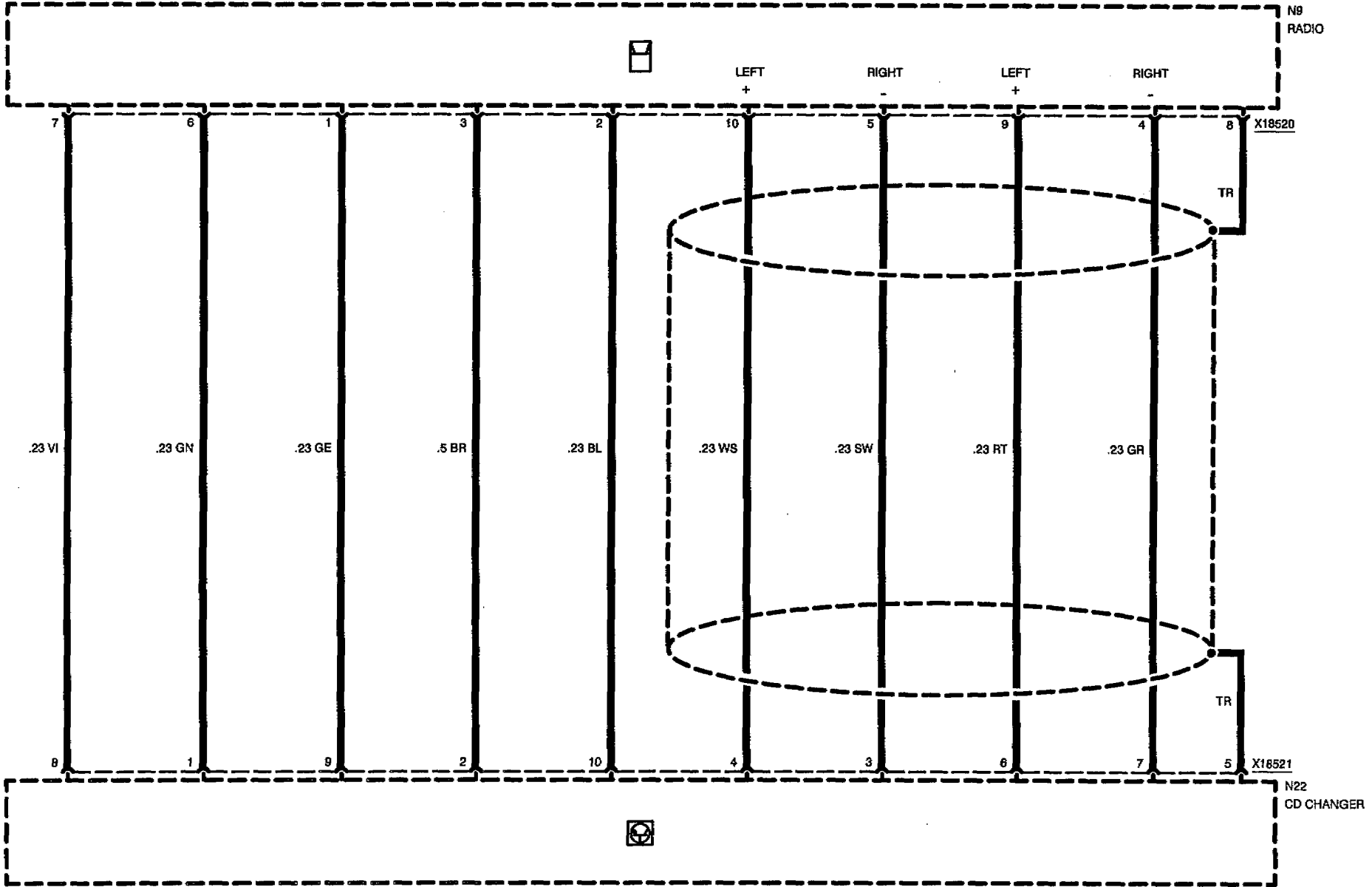
RADIO/HIFI





RADIO/HIFI

compact



09/97

6510.1-04

1998



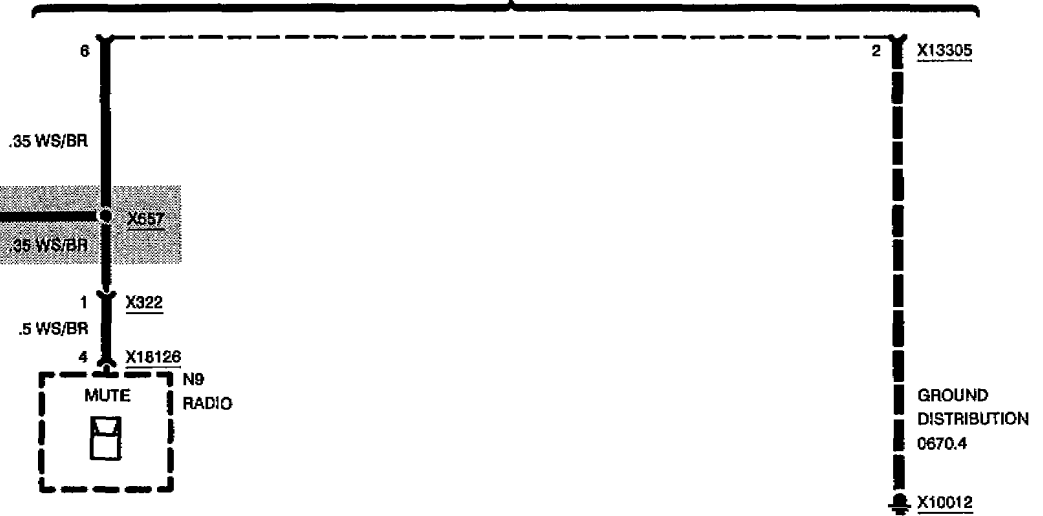
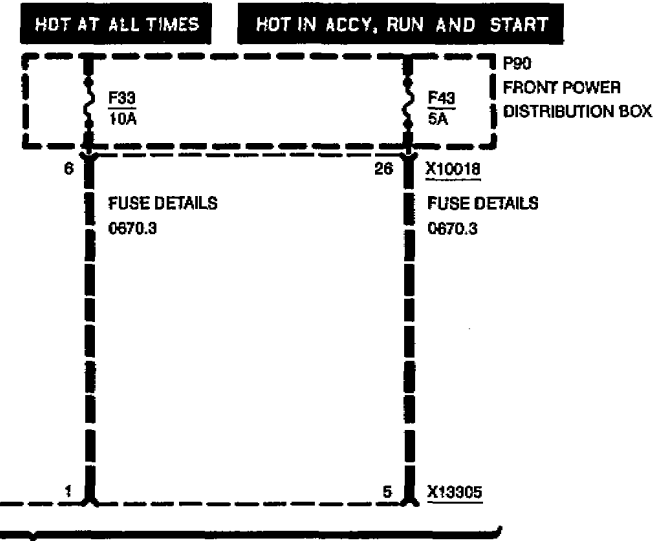
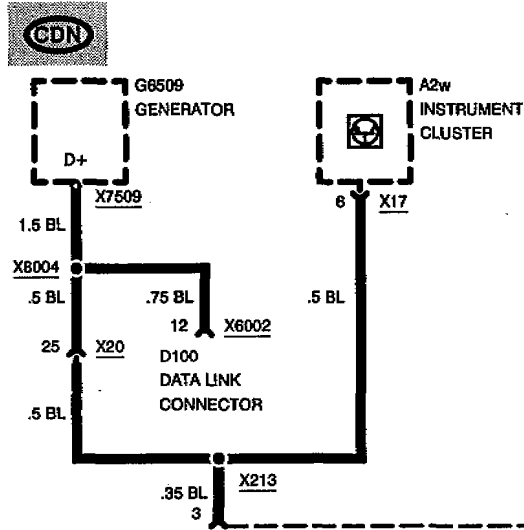
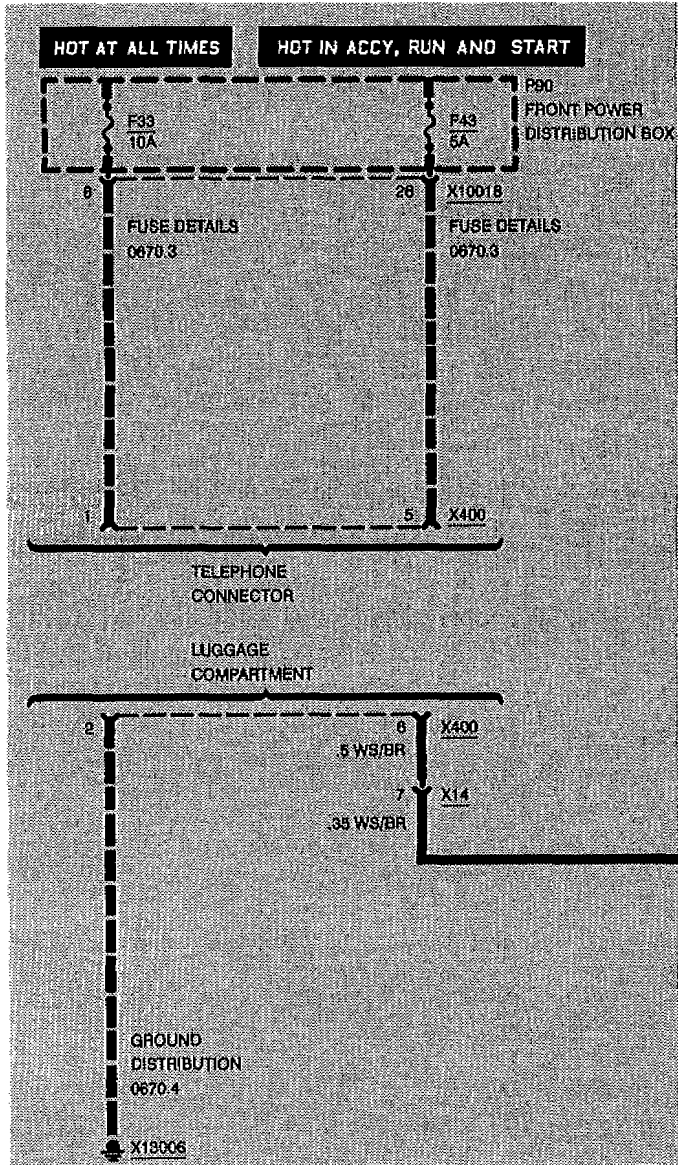
6561.0



CELLULAR TELEPHONE (PROVISIONS)

PROVISIONS

compact





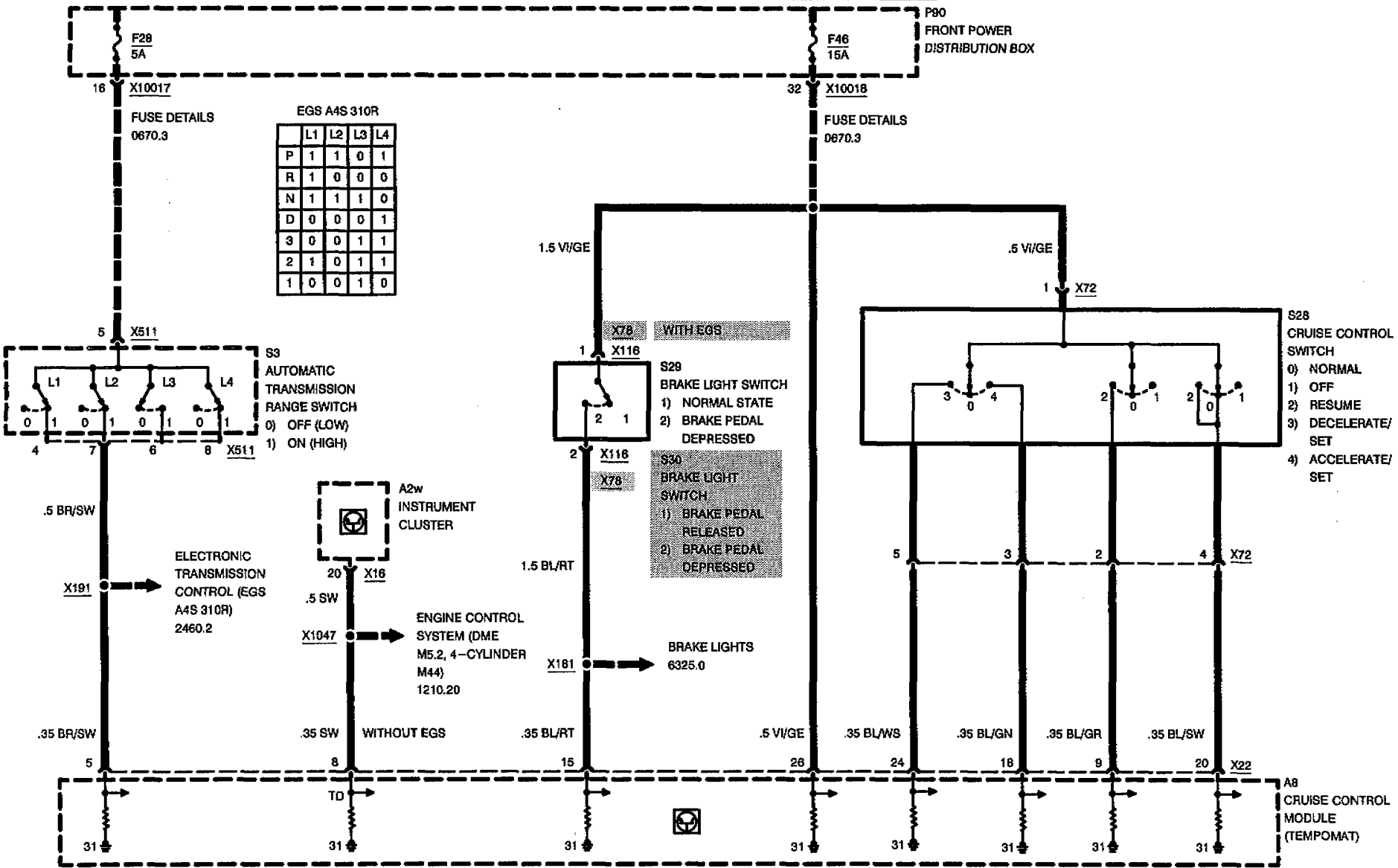
6571.0



CRUISE CONTROL (TEMPOMAT)

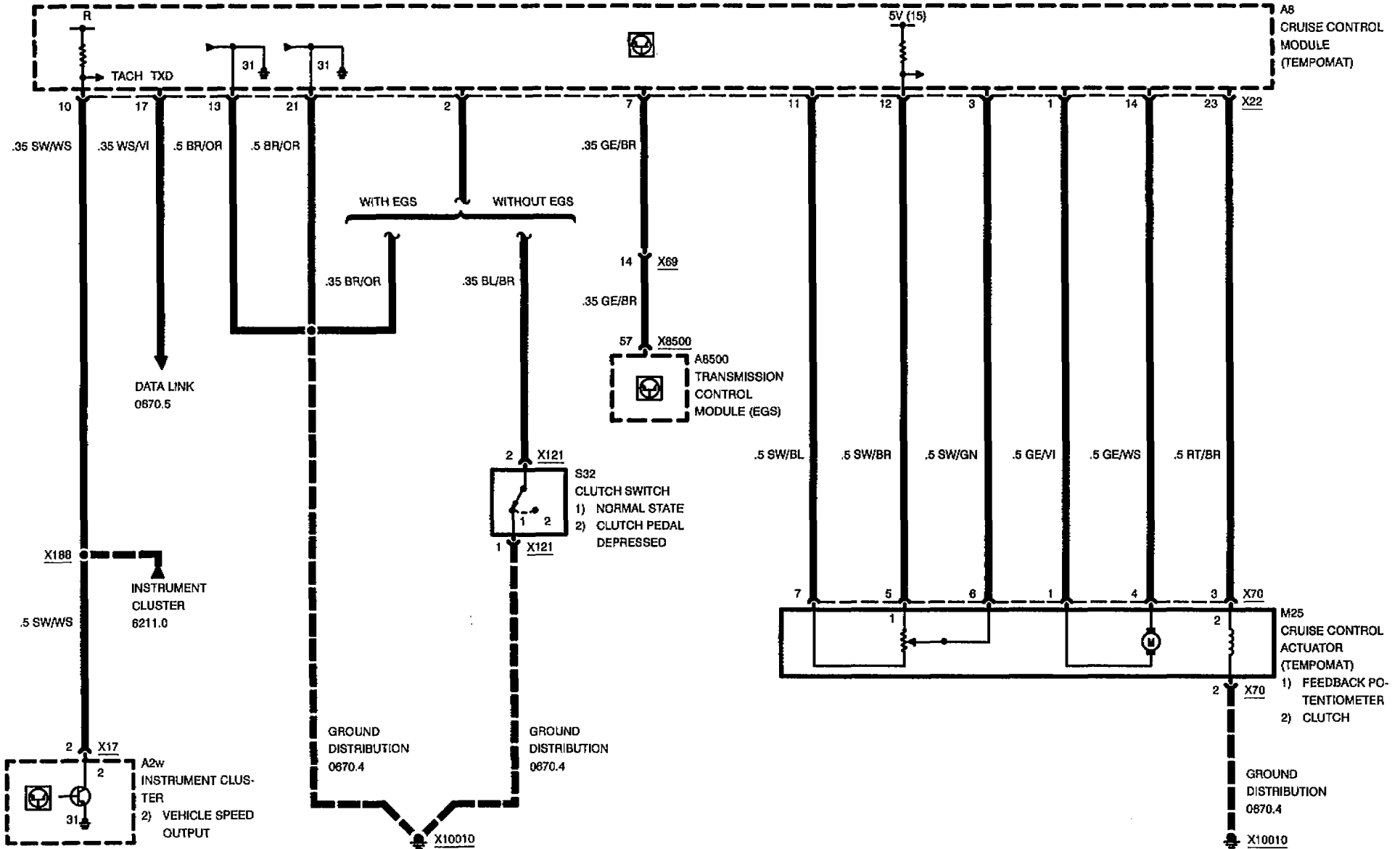
HOT IN RUN AND START

HOT IN ACCY, RUN AND START



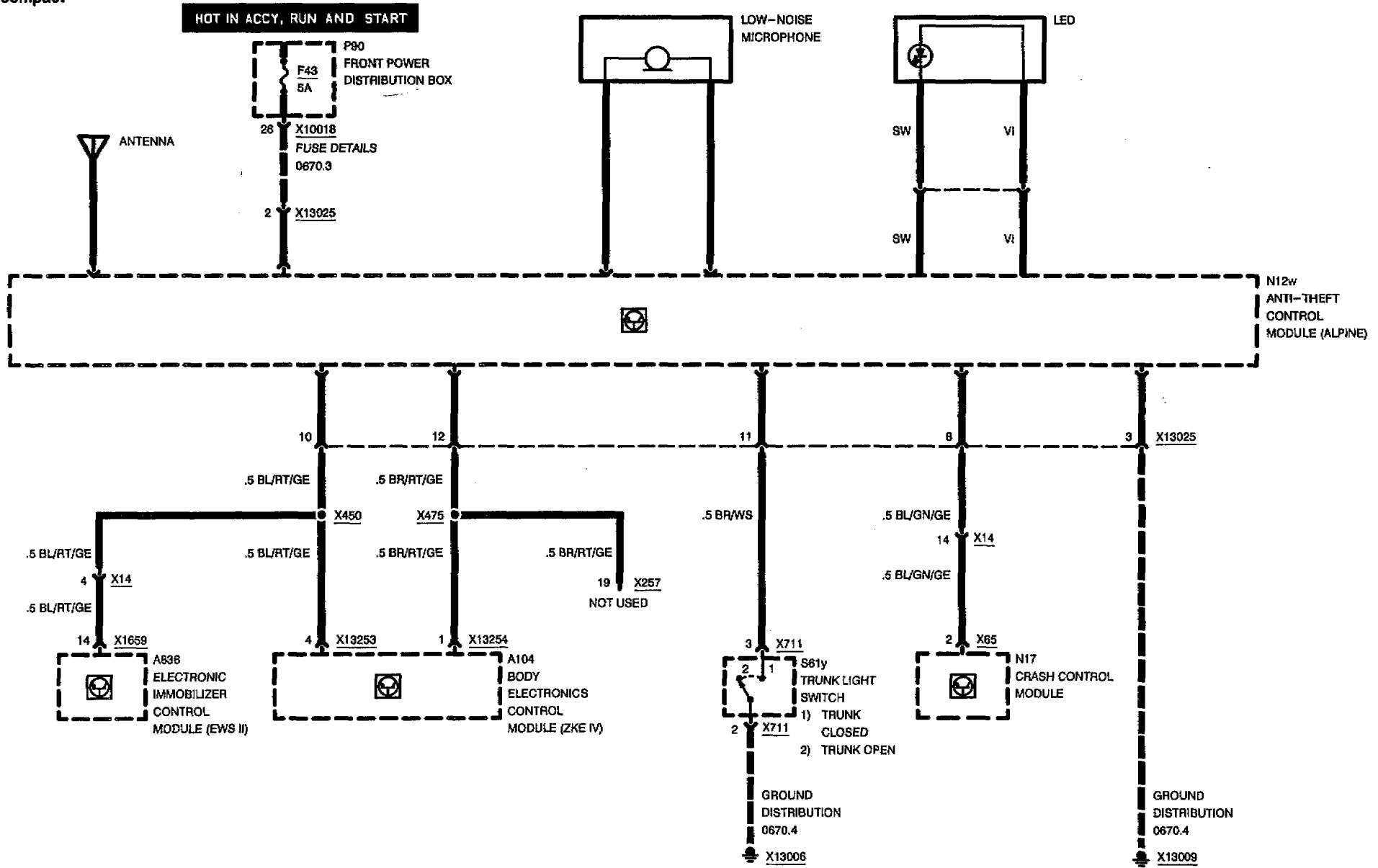


CRUISE CONTROL (TEMPOMAT)



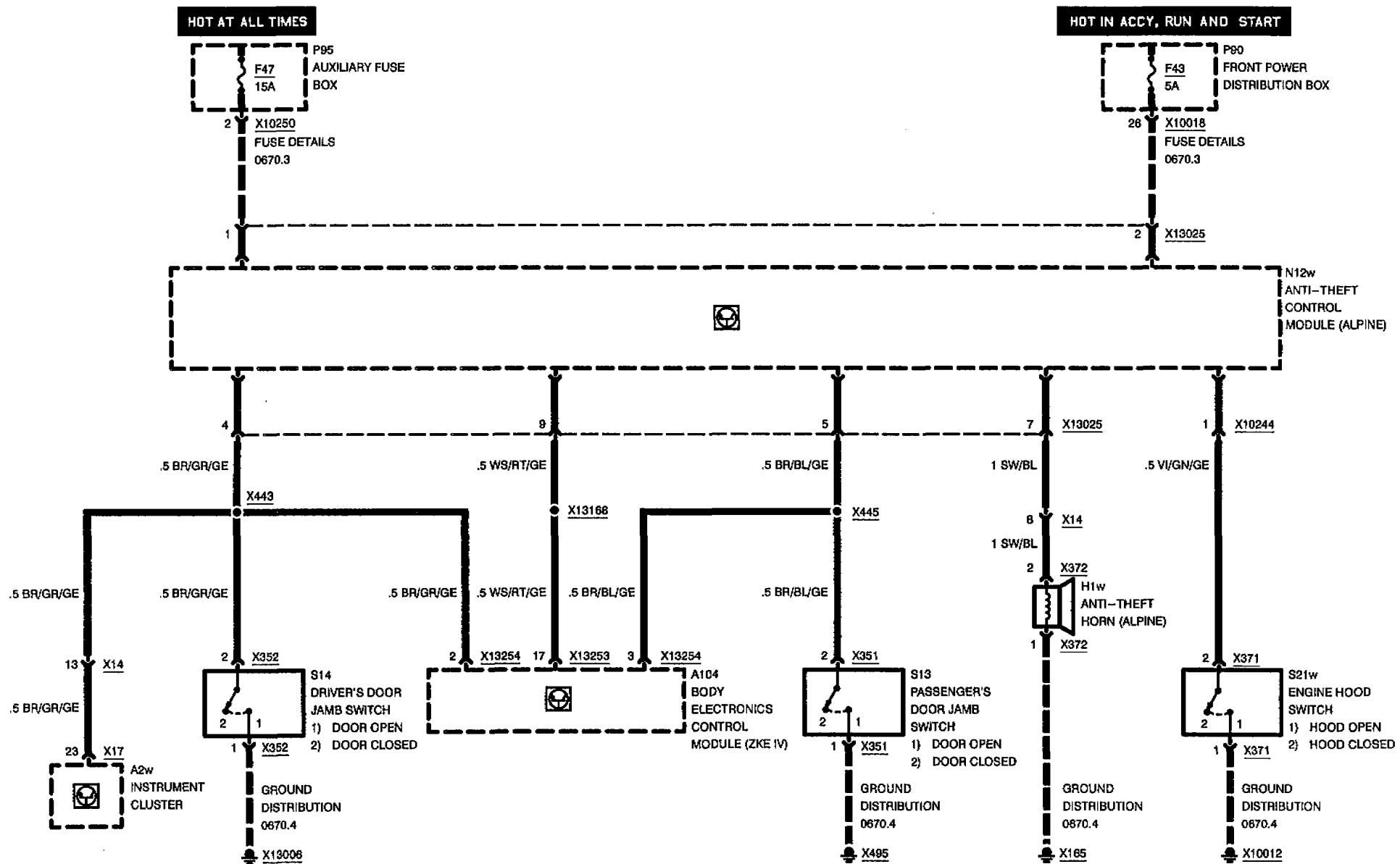


ANTI-THEFT SYSTEM (ALPINE)



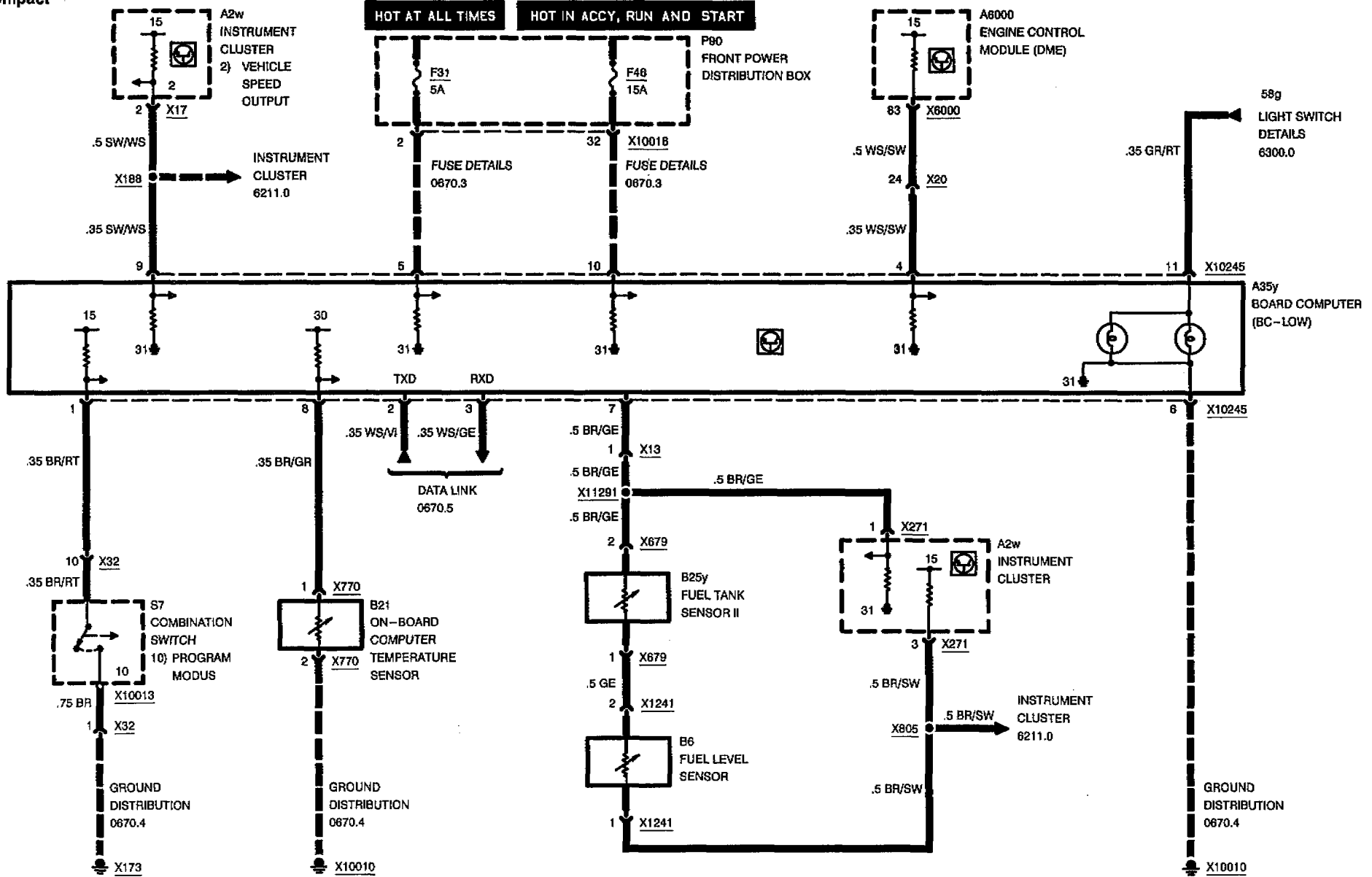


ANTI-THEFT SYSTEM (ALPINE)





BOARD COMPUTER (BC-LOW)





compact

7000.0



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A2w	INSTRUMENT CLUSTER	LH side of dash	17-3	
A8	CRUISE CONTROL MODULE (TEMPOMAT)	behind glove box	01-2	
A12	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	below rear seat	01-3	
A18	HIFI AMPLIFIER	in LH side of luggage compartment behind trim panel	00-2	
A35y	BOARD COMPUTER (BC-LOW)	center of dash center console		
A36	REAR WIPER/WASHER INTERVAL CONTROL MODULE	in lift gate	02-1	
A51	WIPER/WASHER MODULE	behind glove box	02-3	
A52	SLIP CONTROL MODULE (ABS/ASC)	behind glove box	01-2	
A56	SUNROOF CONTROL ASSEMBLY	in roof panel	00-3	
A64	WIPER/WASHER MODULE (LOW II)	behind glove box	02-3	
A104	BODY ELECTRONICS CONTROL MODULE (ZKE IV)	behind glove box	01-1	
A107	INTEGRATED HEATING- AND CLIMATE CONTROL MODULE	center of dash center console	24-2	
A110	DIGITAL CLOCK	center of dash center console		
A113	SEAT OCCUPANCY DETECTOR	under RH front seat		
A202	ABS CONTROL MODULE/HYDRAULIC UNIT	rear LH side of engine compartment back of LH side shock tower		
A835	TRANSMITTER MODULE (EWS II)	LH side of steering column	02-2	



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
A836	ELECTRONIC IMMOBILIZER CONTROL MODULE (EWS II)	under glove box	01-2	
A6000	ENGINE CONTROL MODULE (DME)	rear RH side of engine compartment	00-1	
A8500	TRANSMISSION CONTROL MODULE (EGS)	rear RH side of engine compartment	00-1	
B1	RIGHT FRONT SPEED SENSOR – ABS	on RH front wheel, above brake caliper	06-3	
B2	LEFT FRONT SPEED SENSOR – ABS	on LH front wheel, above brake caliper	06-3	
B3	RIGHT REAR SPEED SENSOR – ABS	on RH rear wheel, above brake caliper		
B4	LEFT REAR SPEED SENSOR – ABS	on LH rear wheel, above brake caliper		
B6	FUEL LEVEL SENSOR	below LH side of rear seat	13-1	
B8y	PRESSURE SWITCH	near RH headlight assembly		
B9y	PRESSURE SWITCH	near RH headlight assembly		
B10	VEHICLE SPEED SENSOR	on differential	26-1	
B14	EVAPORATOR TEMPERATURE SENSOR	RH side of LH footwell	17-1	
B16	LEFT FRONT BRAKE PAD SENSOR	on LH front wheel, above brake caliper	06-3	
B17	RIGHT REAR BRAKE PAD SENSOR	behind RH rear wheel		
B18	BRAKE FLUID LEVEL SWITCH	rear LH side of engine compartment near brake master cylinder top of brake fluid reservoir	09-2	
B21	ON-BOARD COMPUTER TEMPERATURE SENSOR	in the engine compartment lower LH side of engine compartment	14-1	
B25y	FUEL TANK SENSOR II	below RH side of rear seat		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
B72	FUEL TANK PRESSURE SENSOR	Behind right rear interior trim panel, right from RH rear seat		
B78	DRIVER'S SIDE IMPACT SENSOR	LH B-pillar		
B79	PASSENGER'S SIDE IMPACT SENSOR	RH B-pillar		
B6203	CRANKSHAFT POSITION/RPM SENSOR	under RH front of car rear of radiator	08-1	
B6205	INTAKE AIR TEMPERATURE SENSOR	LH side of engine (near oil level stick)	09-3	
B6209	HALL EFFECT CAMSHAFT SENSOR	front of engine	10-2	
B6217	HOT FILM AIR MASS METER	top front of engine	09-3	
B6231	OIL PRESSURE SWITCH	LH front of engine below intake manifold	10-1	
B6232	ENGINE COOLANT TEMPERATURE SENSOR	behind RH fresh air cowl below intake manifold	28-1	
B6240	KNOCK SENSOR	top front of engine	26-2	
B9508	PRESSURE SWITCH	near RH headlight assembly	08-3	
B62001	OXYGEN SENSOR (IN FRONT OF CATALYTIC CONVERTER)	under center of car	25-1	
B62002	OXYGEN SENSOR (BEHIND CATALYTIC CONVERTER)	under center of car	26-3	
C101	CONTACT RING	top of steering column	16-1	
D100	DATA LINK CONNECTOR	rear LH side of engine compartment	09-2	
D110	OBD II CONNECTOR	center console right	24-3	
E7	LEFT HEADLIGHT	front LH side of engine compartment		
E8	RIGHT HEADLIGHT	front RH side of engine compartment		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
E9	REAR DEFOGGER I	on lift gate		
E11	LEFT HIGH BEAM LIGHT	near LH headlight assembly		
E12	RIGHT HIGH BEAM LIGHT	near RH headlight assembly		
E13	LEFT LOW BEAM LIGHT	near LH headlight assembly		
E14	RIGHT LOW BEAM LIGHT	near RH headlight assembly		
E15	LEFT PARK LIGHT	front of vehicle		
E19	RIGHT PARK LIGHT	front of vehicle		
E26	LEFT FOG LIGHT	under LH front bumper	06-2	
E27	RIGHT FOG LIGHT	under RH front bumper	06-2	
E28	FRONT CIGAR LIGHTER	center console		
E29	FRONT CIGAR LIGHTER LIGHT	center console		
E32z	REAR CENTER INTERIOR LIGHT	in roof panel		
E34	FRONT DOME LIGHT/MAP READING ASSEMBLY	in roof panel	00-3	
E35	DRIVER'S MAKE-UP MIRROR LIGHT	in sun visor	24-1	
E36	PASSENGER'S MAKE-UP MIRROR LIGHT	in sun visor	15-1	
E42	GLOVE BOX LIGHT	RH side of glove box		
E43	LEFT LICENSE PLATE LIGHT	underside of trunk lid, near license plate	07-1	
E44	RIGHT LICENSE PLATE LIGHT	underside of trunk lid, near license plate	07-1	
E46	LEFT TRUNK LIGHT ASSEMBLY	in LH rear side of luggage compartment		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
E47 ...	RIGHT TRUNK LIGHT ASSEMBLY	in RH rear side of luggage compartment		
E51 ...	LEFT WASHER JET HEATER	on underside of engine hood		
E52 ...	RIGHT WASHER JET HEATER	on underside of engine hood		
E56 ...	DRIVER'S SEATBACK HEATER	in upper LH front seatback		
E57 ...	DRIVER'S SEAT HEATER	under LH front seat		
E58 ...	PASSENGER'S SEAT HEATER	underside of RH front seat		
E59 ...	PASSENGER'S SEATBACK HEATER ..	in upper RH front seatback		
E61 ...	LEFT FRONT FOOTWELL LIGHT	LH footwell	24-3	
E62 ...	RIGHT FRONT FOOTWELL LIGHT	right footwell		
E82 ...	TRANSMISSION POSITION INDICATOR LIGHT	center console		
E103 .	CLIMATE CONTROL SWITCH ILLUMINATION	center console		
F97 ...	FUSIBLE LINK	rear of engine compartment		
G1 ...	BATTERY	rear RH side of engine compartment	03-3	
G5 ...	DRIVER'S AIR BAG GAS GENERATOR	behind steering wheel	16-1	
G6 ...	PASSENGER'S AIR BAG GAS GENERATOR	behind glove box above	18-3	
G12 ..	DRIVER'S SIDE PYROTECHNICAL BELT TENSIONER	driver's seat right		
G13 ..	PASSENGER'S SIDE PYROTECHNICAL BELT TENSIONER	passenger's seat left		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
G14 ..	GAS GENERATOR, LEFT SIDE AIR BAG	in driver's door		
G15 ..	GAS GENERATOR, RIGHT SIDE AIR BAG	in passenger's door		
G6509	GENERATOR	front LH side of engine compartment	03-1	
H1w ..	ANTI-THEFT HORN (ALPINE)	in RH front bumper	07-3	
H2 ...	LEFT HORN	front of engine compartment	13-3	
H3 ...	RIGHT HORN	front of engine compartment	13-3	
H4 ...	RIGHT FRONT TURN LIGHT	RH front of vehicle		
H5 ...	RIGHT REAR TURN LIGHT	RH side of body rear end		
H6 ...	LEFT REAR TURN LIGHT	LH side of body rear end		
H7 ...	LEFT FRONT TURN LIGHT	LH front of vehicle		
H8 ...	RIGHT FRONT AUXILIARY TURN LIGHT	RH front of vehicle		
H9 ...	LEFT FRONT AUXILIARY TURN LIGHT .	LH front of vehicle		
H10 ..	CHIME MODULE	above LH footwell dash panel	24-3	
H24 ..	LEFT BRAKE LIGHT	LEFT TRUNK LIGHT ASSEMBLY		
H25 ..	LEFT TAIL LIGHT	LEFT TRUNK LIGHT ASSEMBLY		
H27 ..	LEFT BACK UP LIGHT	LEFT TRUNK LIGHT ASSEMBLY		
H28 ..	RIGHT BACK UP LIGHT	RIGHT TRUNK LIGHT ASSEMBLY		
H30 ..	RIGHT TAIL LIGHT	RIGHT TRUNK LIGHT ASSEMBLY		
H31 ..	RIGHT BRAKE LIGHT	RIGHT TRUNK LIGHT ASSEMBLY		
H34 ..	HIGH LEVEL STOP LIGHT	at back of rear window shelf		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
H37	LEFT TAIL LIGHT	LEFT TRUNK LIGHT ASSEMBLY		
H39	RIGHT TAIL LIGHT	RIGHT TRUNK LIGHT ASSEMBLY		
H42	LEFT MID-HIGH RANGE SPEAKER	in upper LH front door		
H43	RIGHT MID-HIGH RANGE SPEAKER	in upper RH front door		
H45	RIGHT REAR SPEAKER	in RH side of luggage compartment		
H46	LEFT REAR SPEAKER	in LH side of luggage compartment		23-2
H50	RIGHT FRONT HIGH RANGE SPEAKER	in upper RH front door		
H51	RIGHT FRONT LOW RANGE SPEAKER	in lower RH A-pillar		
H52	RIGHT REAR LOW RANGE SPEAKER	under rear window shelf		
H53	RIGHT REAR HIGH RANGE SPEAKER	under rear window shelf		
H54	RIGHT FRONT MIDRANGE SPEAKER	in upper RH front door		
H55	LEFT FRONT MIDRANGE SPEAKER	in upper LH front door		
H56	LEFT REAR HIGH RANGE SPEAKER	under rear window shelf		
H57	LEFT REAR LOW RANGE SPEAKER	under rear window shelf		
H58	LEFT FRONT LOW RANGE SPEAKER	in lower LH A-pillar		
H59	LEFT FRONT HIGH RANGE SPEAKER	in upper LH front door		
H66	SUBWOOFER	at back of rear window shelf		
K2	HORN RELAY	rear LH side of engine compartment in Power Distribution Box		12-2
K4	BLOWER RELAY	rear LH side of engine compartment in Power Distribution Box		12-2
K9	UNLOADER RELAY, TERMINAL 15	below LH side of dash		20-1
K13	REAR DEFOGGER RELAY	rear LH side of engine compartment in Power Distribution Box		12-1



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
K16 ...	HAZARD FLASHER RELAY	rear LH side of engine compartment in Power Distribution Box	12-2	
K19 ...	COMPRESSOR CONTROL RELAY	rear LH side of engine compartment in Power Distribution Box	12-1	
K21 ...	NORMAL SPEED RELAY	rear LH side of engine compartment in Power Distribution Box	12-1	
K22 ...	HIGH SPEED RELAY	rear LH side of engine compartment in Power Distribution Box	12-1	
K45 ...	FOLDING SUNROOF COMFORT RELAY	below LH side of dash	18-1	
K46 ...	HIGH BEAM LIGHT RELAY	below LH side of dash	18-1	
K47 ...	FRONT FOG LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	12-2	
K48 ...	LOW BEAM LIGHT RELAY	rear LH side of engine compartment in Power Distribution Box	12-2	
K125 .	ABS PUMP MOTOR RELAY, TIMED	Power Distribution Box rear LH side of engine compartment	12-1	
K6300 .	ENGINE CONTROL MODULE RELAY ..	rear LH side of engine compartment in Power Distribution Box	12-3	
K6301w	FUEL PUMP RELAY	rear LH side of engine compartment in Power Distribution Box	12-3	
K6304 .	SECONDARY AIR PUMP RELAY	rear LH side of engine compartment in Power Distribution Box	12-3	
K6326 .	UNLOADER RELAY, TERMINAL 15	rear RH side of engine compartment	27-1	
M2 ...	FUEL PUMP	below RH side of rear seat	14-2	
M3 ...	WIPER MOTOR	rear of engine compartment below center of cowl	09-1	
M4 ...	WASHER PUMP	front RH side of engine compartment on washer fluid reservoir	07-3	
M7 ...	HEADLIGHT/FOG LIGHT WASHER PUMP	front RH side of engine compartment on washer fluid reservoir	14-3	
M9 ...	AUXILIARY FAN MOTOR	behind front grille behind trim panel	11-1	
M12 ..	DRIVER'S DOOR LOCK MOTOR	in lower LH front door behind trim panel		
M13 ..	PASSENGER'S DOOR LOCK MOTOR .	in lower RH side of front door behind trim panel		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
M16	GAS FILLER LOCK MOTOR	in RH rear side of luggage compartment behind trim panel	29-1	
M17	TRUNK LOCK MOTOR	rear side of luggage compartment behind trim panel	23-1	
M21	DRIVER'S WINDOW MOTOR	LH front door behind door panel	22-1	
M23	PASSENGER'S WINDOW MOTOR	RH front door behind door panel	21-2	
M24z	FOLDING SUNROOF MOTOR	in roof panel		
M25	CRUISE CONTROL ACTUATOR (TEMPOMAT)	front LH side of engine compartment	09-3	
M30	BLOWER MOTOR	rear of engine compartment behind RH fresh air cowl		
M50	DRIVER'S SEAT CUSHION TILT MOTOR	under driver's seat		
M51	DRIVER'S SEAT MOVEMENT MOTOR	under driver's seat		
M52	DRIVER'S SEAT HEIGHT MOTOR	under driver's seat		
M53	DRIVER'S SEATBACK RECLINER MOTOR	under driver's seat		
M58	PASSENGER'S SEATBACK RECLINER MOTOR	under passenger's seat		
M59	PASSENGER'S SEAT HEIGHT MOTOR	under passenger's seat		
M60	PASSENGER'S SEAT MOVEMENT MOTOR	under passenger's seat		
M61	PASSENGER'S SEAT CUSHION TILT MOTOR	under passenger's seat		
M93	AUXILIARY THROTTLE POSITION MOTOR (ADS)	LH side of engine compartment	27-3	
M111	FRESH AIR RECIRCULATION MOTOR	behind center of dashboard		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
M6510	STARTER	rear LH side of engine compartment		
N8	... ANTENNA AMPLIFIER AM/FM	on lift gate		
N9	... RADIO	center console		
N12w	... ANTI-THEFT CONTROL MODULE (ALPINE)	RH side of dash behind glove box		
N17	... CRASH CONTROL MODULE	behind instrument cluster	18-1	
N22	... CD CHANGER	in LH forward side of luggage compartment		
P90	... FRONT POWER DISTRIBUTION BOX ..	rear LH side of engine compartment	03-2	
P95	... AUXILIARY FUSE BOX	below LH side of dash	20-1	
P97	... AUXILIARY FUSE BOX	below LH side of dash	18-1	
R11	... BLOWER RESISTORS	behind center of dashboard	18-2	
R6252	... THROTTLE POSITION SENSOR	LH side of engine compartment	10-2	
R6255	... ACCELERATOR PEDAL POSITION SENSOR (ASC)	LH side of engine compartment	27-2	
S2	... IGNITION SWITCH	LH side of dash	16-3	
S3	... AUTOMATIC TRANSMISSION RANGE SWITCH	center console	19-1	
S4	... HORN SWITCH	on steering wheel	16-1	
S5	... WIPER/WASHER SWITCH	LH side of dash RH side of steering column above		
S6	... ASC SWITCH	center console		
S7	... COMBINATION SWITCH	LH side of dash LH side of steering column above	16-3	
S8	... LIGHT SWITCH	LH side of dash		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S13 ...	PASSENGER'S DOOR JAMB SWITCH .	RH front door jamb	21-1	
S14 ...	DRIVER'S DOOR JAMB SWITCH	front LH door pillar	21-1	
S17 ...	MIRROR CONTROL SWITCH	in upper LH front door		
S18 ...	HAZARD SWITCH	below front of console	19-1	
S21w .	ENGINE HOOD SWITCH	front RH side of engine compartment	14-3	
S28 ...	CRUISE CONTROL SWITCH	LH side of dash RH side of steering column above	16-3	
S29 ...	BRAKE LIGHT SWITCH	LH footwell on brake pedal support bracket behind LH footwell trim	15-3	
S30 ...	BRAKE LIGHT SWITCH	LH footwell on clutch pedal support bracket behind LH footwell trim	15-3	
S31 ...	PARK BRAKE SWITCH	center console on rear of park brake lever	15-2	
S32 ...	CLUTCH SWITCH	LH footwell underside of steering column	15-3	
S36y .	DOUBLE TEMPERATURE SWITCH	front RH side of engine compartment near RH headlight assembly	08-3	
S37 ...	GLOVE BOX LIGHT SWITCH	in glove box		
S38 ...	SUNROOF SWITCH	in roof panel		
S47 ...	DRIVER'S DOOR LOCK SWITCH	LH front door in door at key lock assembly		
S49 ...	PASSENGER'S DOOR LOCK SWITCH .	RH front door in door at key lock assembly		
S51 ...	DRIVER'S SEAT, SEAT CONTROL SWITCH	under driver's seat		
S53 ...	DRIVER'S SEAT, SEAT HEATER SWITCH	center console		
S54 ...	PASSENGER'S SEAT, SEAT HEATER SWITCH	center console		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S56 ...	PASSENGER'S SEAT, SEAT CONTROL SWITCH	under passenger's seat		
S58 ...	DRIVER'S SEAT BELT SWITCH	in LH front seat belt buckle		
S59 ...	PASSENGER'S SEAT BELT SWITCH ...	in RH front seat belt buckle		
S61y .	TRUNK LIGHT SWITCH	underside of trunk lid	22-2	
S75 ...	BLOWER SWITCH	center of dash		
S77 ...	DRIVER'S MAKE-UP MIRROR SWITCH	above LH sun visor in sun visor bracket	24-1	
S78 ...	PASSENGER'S MAKE-UP MIRROR SWITCH	above RH sun visor in sun visor bracket	15-1	
S82y .	FOG LIGHT SWITCH	on instrument cluster		
S126y	DRIVER'S POWER WINDOW SWITCH .	center console near gearshift lever	19-2	
S127y	PASSENGER'S POWER WINDOW SWITCH	center console near gearshift lever	19-2	
S198 .	JET HEATER THERMOSWITCH	front LH side of engine compartment		
S218 .	REAR DEFOGGER SWITCH	center console		
S235 .	STARTER IMMOBILIZATION SWITCH ..	LH footwell underside of steering column	13-3	
S238 .	FOLDING SUNROOF SWITCH	in roof panel		
S302 .	CENTRAL LOCKING SWITCH	center console near gearshift lever		
S530 .	IHKS CONTROL SWITCH	center of dash		
S531 .	TEMPERATURE WHEEL SWITCH	center of dash		
S8503	PROGRAM SWITCH	center console		
S8507	KICK-DOWN SWITCH	LH footwell		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
S8511	REVERSING LIGHT SWITCH	under front of car LH side of transmission	25-3	
T6151	CYL. 1 IGNITION COIL	RH side of engine compartment	10-3	
T6152	CYL. 2 IGNITION COIL	RH side of engine compartment	10-3	
T6153	CYL. 3 IGNITION COIL	RH side of engine compartment	10-3	
T6154	CYL. 4 IGNITION COIL	RH side of engine compartment	10-3	
X0	B+ JUNCTION POINT	rear LH side of engine compartment	03-2	
X2	BATTERY B+ START POINT	rear LH side of engine compartment	03-2	
X9	B+ JUNCTION POINT	rear LH side of engine compartment	03-2	
X13 ...	(30 PINS, BLACK)	LH side of LH footwell	16-2	00-4
X14 ...	(30 PINS, NATURAL)	LH side of LH footwell	16-2	00-4
X16 ...	(26 PINS, NATURAL)	LH side of dash rear side of instrument cluster, A2w	17-3	00-2
X17 ...	(26 PINS, BLUE)	LH side of dash rear side of instrument cluster, A2w	17-3	00-2
X20 ...	(25 PINS, BLACK)	rear LH side of engine compartment	09-2	04-2
X22 ...	(26 PINS, GRAY)	behind glove box	01-2	00-2
X32 ...	(12 PINS, NATURAL)	LH footwell underside of steering column	20-2	02-4
X33 ...	(12 PINS, BLACK)	LH footwell underside of steering column	20-2	02-4
X35 ...	(12 PINS, NATURAL)	below LH side of dash RH side of steering column	20-2	02-4
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
X51 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X52 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X53 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X56 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X58 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X63 ...	(9 PINS, BLACK)	below LH side of dash		03-4
X64 ...	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X65 ...	(9 PINS, BLACK)	below LH side of dash		03-4
X69 ...	(25 PINS, GRAY)	rear LH side of engine compartment	09-2	04-2
X70 ...	(7 PINS, BLACK)	front LH side of engine compartment	09-3	05-2
X72 ...	(6 PINS, NATURAL)	LH footwell underside of steering column	20-2	03-6
X74 ...	(50 PINS, YELLOW)	below rear seat	01-3	04-1
X78 ...	(4 PINS, BLACK)	LH footwell on clutch pedal support bracket behind LH footwell trim	15-3	03-1
X85 ...	(3 PINS, BLACK)	rear LH side of engine compartment	11-3	05-3
X105 .	(2 PINS, BLACK)	on underside of engine hood		
X106 .	(2 PINS, BLACK)	on underside of engine hood		
X107 .	(2 PINS, BLACK)	front RH side of engine compartment on washer fluid reservoir	07-3	
X111 .	(2 PINS, BLACK)	rear LH side of engine compartment near brake master cylinder top of brake fluid reservoir	09-2	
X113 .	(3 PINS, GRAY)	above RH front wheel well behind RH front wheel	07-2	09-2
X114 .	(3 PINS, GRAY)	above LH front wheel well behind LH front wheel	07-2	09-2
X116 .	(2 PINS, BLACK)	LH footwell on clutch pedal support bracket behind LH footwell trim	15-3	
X118 .	(2 PINS, BLACK)	above LH front wheel well behind LH front wheel	07-2	



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X121	(2 PINS, WHITE)	LH footwell underside of steering column	15-3	
X123	(2 PINS, GRAY)	front RH side of engine compartment on washer fluid reservoir	14-3	
X128	(3 PINS, BLACK)	LH front of vehicle		05-3
X132	(2 PINS, BLACK)	front of engine compartment		
X133	(2 PINS, BLACK)	front of engine compartment		
X137	(3 PINS, BLACK)	RH front of vehicle		05-3
X142	(3 PINS, GRAY)	under rear of car LH side of on differential		09-2
X143	(3 PINS, GRAY)	under rear of car RH side of RH footwell	06-1	09-2
X163	(3 PINS, BLACK)	front RH side of engine compartment	07-3	05-3
X165	GROUND	front LH side of engine compartment	04-1	
X168	(1 PIN, ---)	top of steering column		
X173	GROUND	below LH side of dash	04-3	
X256	(26 PINS, BLACK)	ahead of RH front door in lower RH A-pillar	21-2	03-5
X257	(26 PINS, BLACK)	ahead of LH front door in lower LH A-pillar		03-5
X271	(12 PINS, BLACK)	LH side of dash rear side of instrument cluster, A2w	17-3	01-3
X272	(2 PINS, WHITE)	under roof center panel		
X285	(15 PINS, BLUE)	below RH side of dash behind glove box	02-3	00-3
X292	(9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X295	(8 PINS, BLACK)	LH footwell underside of steering column	20-2	03-3
X311	(3 PINS, BLACK)	underside of trunk lid left	23-1	01-1
X312	(2 PINS, BLACK)	in RH rear side of luggage compartment behind RH rear light assembly	29-1	



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X315	(2 PINS, BLACK)	underside of trunk lid left	23-1	
X316	(4 PINS, YELLOW)	center console near gearshift lever	19-2	07-1
X318	(8 PINS, BLACK)	in RH rear side of luggage compartment behind RH rear light assembly		01-4
X319	(8 PINS, BLACK)	in LH side of luggage compartment behind trim panel	22-3	01-4
X322	(6 PINS, BLACK)	below LH side of dash	20-1	03-6
X324	(4 PINS, YELLOW)	center console near gearshift lever	19-2	07-1
X333	(4 PINS, NATURAL)	rear of engine compartment below center of cowl	09-1	06-3
X336	(6 PINS, NATURAL)	under roof center panel	00-3	03-6
X351	(2 PINS, BLACK)	in upper RH B-pillar		
X352	(2 PINS, BLACK)	in upper LH B-pillar	28-3	
X371	(2 PINS, BLACK)	front RH side of engine compartment	14-3	
X372	(2 PINS, GRAY)	in RH front bumper		
X379	(1 PIN, NATURAL)	on lift gate		
X380	(1 PIN, NATURAL)	on lift gate		
X381	(3 PINS, BLACK)	under roof center panel	24-1	01-1
X382	(3 PINS, BLACK)	above RH sun visor	15-1	01-1
X383	(2 PINS, BLACK)	under rear of car LH side of on differential	26-1	
X389	(2 PINS, BLACK)	rear LH side of engine compartment		
X390	(2 PINS, BLACK)	RH side of dash behind glove box		
X400	(8 PINS, BLACK)	in LH rear side of luggage compartment		01-4
X401	(1 PIN, BLACK)	above LH sun visor	24-1	



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X402	(1 PIN, BLACK)	above RH sun visor	15-1	
X413	(3 PINS, BLACK)	at back of rear window shelf		01-1
X423	(1 PIN, ---)	below center console on rear of park brake lever	15-2	
X424	(1 PIN, WHITE)	in LH side of luggage compartment behind trim panel	22-3	
X494	GROUND	center console near gearshift lever		
X495	GROUND	RH side of glove box	04-2	
X498	GROUND	center console near gearshift lever		
X511	(8 PINS, BLACK)	center console near gearshift lever	19-1	01-4
X516	(5 PINS, BLACK)	center console	19-1	02-6
X521	(6 PINS, BLUE)	center console		04-3
X522	(3 PINS, NATURAL)	above LH footwell dash panel	24-3	04-4
X531	(1 PIN, NATURAL)	center console near gearshift lever		
X532	(2 PINS, BLACK)	center console near gearshift lever		
X537	(3 PINS, BLACK)	LH front door behind door panel	22-1	01-1
X538	(3 PINS, BLACK)	RH front door behind door panel	21-2	01-1
X540	(2 PINS, BLACK)	LH side of glove box	18-3	
X541	(3 PINS, BLACK)	LH side of glove box	18-3	01-1
X603	(6 PINS, ---)	under driver's seat		
X604	(6 PINS, ---)	under passenger's seat		
X605	(12 PINS, BLACK)	in LH side of luggage compartment behind trim panel	00-2	08-3
X606	(26 PINS, BLACK)	in LH side of luggage compartment behind trim panel	00-2	00-2



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X623	(4 PINS, BLACK)	in upper LH front door behind door panel		07-1
X624	(4 PINS, BLACK)	in upper RH front door behind door panel	21-2	07-1
X625	(6 PINS, BLACK)	LH front door behind door panel	22-1	02-1
X627	(2 PINS, BLACK)	in roof panel		
X638	(2 PINS, GRAY)	below RH side of rear seat	14-2	
X641	(6 PINS, BLACK)	RH front door behind door panel		06-5
X643	(4 PINS, YELLOW)	in roof panel		07-1
X651	(6 PINS, YELLOW)	center console		04-3
X658	(6 PINS, YELLOW)	center console		04-3
X660	(6 PINS, BLACK)	LH front door behind door panel	21-3	06-5
X679	(2 PINS, YELLOW)	below RH side of rear seat	14-2	
X700	(1 PIN, ---)	behind RH footwell speaker grille		
X701	(1 PIN, ---)	behind LH footwell kickpanel		
X709	(2 PINS, BLACK)	underside of trunk lid, near license plate	07-1	
X710	(2 PINS, BLACK)	underside of trunk lid, near license plate	07-1	
X711	(3 PINS, BLACK)	underside of trunk lid	22-2	01-1
X713	(2 PINS, BLACK)	under rear of car LH side of on differential	06-1	
X726	(2 PINS, ---)	under driver's seat		
X727	(2 PINS, ---)	under driver's seat		
X728	(2 PINS, ---)	under driver's seat		
X729	(2 PINS, ---)	under driver's seat		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X732	(4 PINS, BLACK)	under LH front seat under carpet		03-1
X733	(4 PINS, BLACK)	under LH front seat under carpet		03-1
X734	(2 PINS, ---)	under passenger's seat		
X735	(2 PINS, ---)	under passenger's seat		
X736	(2 PINS, ---)	under passenger's seat		
X737	(2 PINS, ---)	under passenger's seat		
X740	(4 PINS, BLACK)	under RH front seat	20-3	03-1
X741	(4 PINS, BLACK)	under RH front seat	20-3	03-1
X742	(2 PINS, YELLOW)	RH front door in door at key lock assembly		
X744	(4 PINS, GRAY)	RH front door behind door panel	21-2	08-1
X745	(3 PINS, BLACK)	right footwell		01-1
X746	(3 PINS, NATURAL)	RH front door behind door panel		01-1
X747	(2 PINS, YELLOW)	LH front door behind door panel	21-3	
X748	(3 PINS, BLACK)	LH footwell	24-3	01-1
X749	(4 PINS, GRAY)	LH front door behind door panel	22-1	08-1
X753	(3 PINS, NATURAL)	LH front door		01-1
X768	(2 PINS, WHITE)	in the engine compartment near LH headlight assembly	06-2	
X769	(2 PINS, WHITE)	in the engine compartment near RH headlight assembly	06-2	
X770	(2 PINS, YELLOW)	in the engine compartment near LH headlight assembly	14-1	
X771	(2 PINS, BLACK)	RH side of LH footwell	17-1	
X778	(4 PINS, BLACK)	in LH front seat belt buckle		07-1



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X782	(3 PINS, ORANGE)	LH side of glove box	18-3	09-1
X783	(3 PINS, BLACK)	underside of steering column		09-1
X816	(1 PIN, ---)	rear of engine compartment behind RH fresh air cowl		
X817	(1 PIN, ---)	rear of engine compartment behind RH fresh air cowl		
X861	GROUND	LH side of engine compartment	05-3	
X904	(4 PINS, BLACK)	behind center of dashboard	18-2	03-1
X905	(5 PINS, BLACK)	behind center of dashboard		08-2
X1014	(1 PIN, BLACK)	center console near gearshift lever		
X1148	(2 PINS, BLACK)	front LH side of engine compartment		
X1165	GROUND	below LH side of dash	04-3	
X1166	GROUND	RH side of glove box	04-2	
X1170	(42 PINS, BLACK)	behind glove box		07-3
X1176	(25 PINS, BLACK)	rear LH side of engine compartment back of LH side shock tower	11-3	04-2
X1178	(2 PINS, WHITE)	below center console LH side of gearshift selector	19-3	
X1193	(3 PINS, BLACK)	center console RH side of gearshift selector		01-1
X1241	(2 PINS, BLACK)	below LH side of rear seat	13-1	
X1245	(1 PIN, BLACK)	above LH sun visor		
X1246	(1 PIN, BLACK)	above RH sun visor		
X1292	(4 PINS, NATURAL)	center console near gearshift lever		07-1
X1380	(1 PIN, ---)	behind RH footwell speaker grille		
X1381	(1 PIN, ---)	behind LH footwell kickpanel		



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X1441	GROUND	under RH rear seat	01-3	
X1517	(3 PINS, BLACK)	center of dash center console		
X1518	(8 PINS, BLACK)	behind center of dashboard		
X1522	(2 PINS, BLACK)	behind center of dashboard		
X1588	(2 PINS, BLACK)	below LH side of dash	18-1	
X1646	(3 PINS, BLACK)	on lift gate		
X1659	(15 PINS, YELLOW)	behind glove box	01-2	00-3
X1814	(9 PINS, BLACK)	below LH side of dash		03-4
X1843	(1 PIN, BLACK)	on lift gate		
X1844	(1 PIN, WHITE)	on lift gate		
X1845	(2 PINS, BLACK)	on lift gate		
X1846	(3 PINS, YELLOW)	on lift gate		01-1
X1847	(3 PINS, BLACK)	on lift gate		07-2
X1883	(3 PINS, YELLOW)	in driver's door		
X1884	(3 PINS, YELLOW)	in passenger's door		
X1885	(3 PINS, BLACK)	LH B-pillar		01-1
X1886	(3 PINS, BLACK)	RH B-pillar		01-1
X1890	(3 PINS, BLACK)	front of engine compartment on auxiliary fan	11-1	06-4
X1892	(3 PINS, BLACK)	in LH forward side of luggage compartment		01-1
X6000	(88 PINS, NATURAL)	rear RH side of engine compartment		05-1
X6002	(20 PINS, BLACK)	rear LH side of engine compartment	09-2	00-1



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6031	(12 PINS, BLACK)	rear LH side of engine compartment	05-3	01-6
X6101	(2 PINS, BLACK)	top center of engine		
X6102	(2 PINS, BLACK)	top center of engine		
X6103	(2 PINS, BLACK)	top center of engine		
X6104	(2 PINS, BLACK)	top center of engine		
X6120	(2 PINS, BLACK)	LH side of engine compartment	13-2	
X6130	(3 PINS, BLACK)	rear LH side of engine compartment	10-2	03-2
X6131	(2 PINS, BLACK)	rear LH side of engine compartment	11-2	
X6133	(2 PINS, YELLOW)	LH side of engine compartment	13-2	
X6150	(7 PINS, BLACK)	RH side of engine compartment	10-3	08-4
X6151	(3 PINS, GRAY)	top RH side of engine		08-5
X6152	(3 PINS, GRAY)	top RH side of engine		08-5
X6153	(3 PINS, GRAY)	top RH side of engine		08-5
X6154	(3 PINS, GRAY)	top RH side of engine		08-5
X6163	(2 PINS, BLACK)	LH side of engine compartment	13-2	
X6203	(3 PINS, BLACK)	front of engine below intake manifold		03-2
X6205	(2 PINS, BLACK)	LH side of engine (near oil level stick)	09-3	
X6209	(3 PINS, BLACK)	front of engine HALL EFFECT CAMSHAFT SENSOR		03-2
X6217	(4 PINS, GRAY)	top front of engine	09-3	06-1
X6231	(2 PINS, BLACK)	LH front of engine below intake manifold	10-1	
X6232	(4 PINS, BLACK)	LH front of engine below intake manifold	26-2	06-1



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X6240	(4 PINS, BLACK)	top front of engine		06-1
X6252	(3 PINS, BLACK)	LH side of engine compartment	10-2	03-2
X6255	(3 PINS, BLACK)	LH side of engine compartment	27-2	03-2
X6263	(2 PINS, BLACK)	under LH center of car	28-2	
X6300	(9 PINS, BLACK)	rear LH side of engine compartment in Power Distribution Box		03-4
X6301	(9 PINS, BLACK)	rear LH side of engine compartment in Power Distribution Box		03-4
X6304	(9 PINS, BLACK)	rear LH side of engine compartment in Power Distribution Box		03-4
X6326	(9 PINS, WHITE)	rear RH side of engine compartment	27-1	03-4
X6454	GROUND	rear RH side of engine compartment back of RH side shock tower	05-2	
X6456	GROUND	rear RH side of engine compartment back of RH side shock tower	05-2	
X6509	CABLE SOCKET ALTERNATOR B+	front LH side of engine compartment	03-1	
X6510	CABLE SOCKET STARTER TERMINAL 50	rear LH side of engine compartment below intake manifold		
X6511	CABLE SOCKET STARTER TERMINAL 30h	rear LH side of engine compartment below intake manifold		
X6512	CABLE SOCKET STARTER TERMINAL 30h	rear LH side of engine compartment below intake manifold		
X7509	CABLE SOCKET ALTERNATOR TERMINAL D+	front LH side of engine compartment		
X8500	(88 PINS, NATURAL)	rear RH side of engine compartment in E-Box		05-1
X8503	(10 PINS, NATURAL)	center console RH side of gearshift selector	19-2	02-3
X8505	(16 PINS, BLACK)	on RH side of transmission		09-5



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X8507	(1 PIN, BLACK)	below LH side of dash		
X8511	(2 PINS, BLACK)	under front of car LH side of transmission	25-3	
X8516	(2 PINS, BLACK)	on RH side of transmission	25-2	
X9997	(2 PINS, ORANGE)	behind steering wheel	16-1	
X10010	GROUND	RH side of glove box	04-2	
X10012	GROUND	RH side of glove box	04-2	
X10013	(1 PIN, ---)	top of steering column		
X10070	(2 PINS, GRAY)	front LH side of engine compartment	13-3	
X10071	(2 PINS, BLACK)	front LH side of engine compartment	13-3	
X10074	(2 PINS, BLACK)	near RH headlight assembly		
X10075	(2 PINS, GRAY)	near RH headlight assembly		
X10094	(2 PINS, BLACK)	LH side of engine compartment	27-3	
X10182	(18 PINS, BLACK)	behind glove box		01-5
X10216	(2 PINS, YELLOW)	driver's seat right		
X10217	(2 PINS, YELLOW)	passenger's seat left		
X10218	(3 PINS, NATURAL)	under RH front seat	20-3	01-1
X10234	(4 PINS, ---)	center of dash center console		
X10245	(12 PINS, BLACK)	behind center of dashboard		01-3
X10246	(2 PINS, BLACK)	in RH side of luggage compartment		
X10247	(2 PINS, WHITE)	in RH side of luggage compartment		
X10248	(2 PINS, BLACK)	in LH side of luggage compartment	23-2	



COMPONENT LOCATION CHART

COMP. DESCRIPTION	LOCATION	7100.0	8500.0
X10249 (2 PINS, WHITE)	in LH side of luggage compartment		
X10250 (2 PINS, BLACK)	below LH side of dash	20-1	
X10260 (3 PINS, NATURAL)	LH side of steering column	02-2	01-1
X10261 (4 PINS, BLACK)	front RH side of engine compartment	08-3	08-1
X10262 (9 PINS, BLACK)	below LH side of dash	18-1	03-4
X10263 (6 PINS, BLACK)	behind center of dashboard		04-3
X10271 (3 PINS, BLACK)	in roof panel		01-1
X11250 (6 PINS, BLACK)	behind center console	24-2	01-2
X11289 (3 PINS, BLACK)	under LH front seat		01-1
X11290 (3 PINS, BLACK)	under RH front seat		01-1
X11379 (3 PINS, NATURAL)	front RH side of engine compartment near RH headlight assembly	08-3	05-3
X11393 (9 PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-4
X11394 (25 PINS, BLACK)	rear LH side of engine compartment back of LH side shock tower		06-2
X11395 (5 PINS, BLACK)	behind glove box		02-5
X13006 GROUND	in LH side of luggage compartment	05-1	
X13009 GROUND	behind glove box right		
X13016 GROUND	below LH side of dash	04-3	
X13025 (12 PINS, BLACK)	RH side of dash behind glove box		02-4
X13057 (2 PINS, BLACK)	in lift gate	02-1	
X13170 (2 PINS, BLACK)	behind side panel, left from LH rear seat	28-3	
X13171 (3 PINS, NATURAL)	RH rear wheel well, behind trim panel	29-1	09-4



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X13176	(6 PINS, NATURAL)	in roof panel		04-3
X13252	(15 PINS, BLACK)	behind glove box	01-1	00-3
X13253	(26 PINS, YELLOW)	behind glove box	01-1	00-2
X13254	(26 PINS, GREEN)	behind glove box	01-1	00-2
X13268	(3 PINS, BLACK)	in lift gate	02-1	01-1
X13274	(10 PINS, BLACK)	BLACK center of dash center console		
X13286	(1 PIN, BLACK)	center of dash behind center console		
X13287	(1 PIN, WHITE)	center of dash behind center console		
X13305	(8 PINS, BLACK)	center console		01-4
X17159	(12 PINS, ---)	at back of rear window shelf		
X17179	(12 PINS, ---)	in LH side of luggage compartment behind trim panel		08-3
X18126	(17 PINS, BLACK)	center console behind radio		02-2
X18196	(10 PINS, BLACK)	behind LH footwell speaker grille		02-3
X18198	(10 PINS, BLACK)	behind RH footwell speaker grille		02-3
X18279	(2 PINS, GRAY)	LH front door behind door panel	22-1	
X18280	(2 PINS, GRAY)	RH front door behind door panel	21-2	
X18333	(2 PINS, BLACK)	on instrument cluster	17-2	
X18334	(2 PINS, BLACK)	on instrument cluster	17-2	
X18337	(12 PINS, BLACK)	on instrument cluster	17-2	09-3
X18338	(12 PINS, BLACK)	on instrument cluster	17-2	09-3
X18518	(4 PINS, BLACK)	under RH front seat		07-1



COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
X18520	(10 PINS, ---)	center console RADIO		02-3
X18521	(10 PINS, ---)	RH side of luggage compartment CD CHANGER		02-3
X18723	GROUND	below LH side of dash	04-3	
X18994	(3 PINS, YELLOW)	LH footwell underside of steering column	23-3	
X19527	(16 PINS, BLACK)	center console right	24-3	05-4
X62001	(4 PINS, BLACK)	under center of car	25-1	06-1
X62002	(4 PINS, BLACK)	under center of car	26-3	06-1
X90260	(3 PINS, BLACK)	RH side of steering column	02-2	
Y1	ABS HYDRAULIC UNIT	rear LH side of engine compartment back of LH side shock tower	11-3	
Y2	AIR CONDITIONING COMPRESSOR	front RH side of engine compartment		
Y4z	WATER VALVE	rear LH side of engine compartment	11-3	
Y5	DRIVER'S SIDE MIRROR	in upper LH front door		
Y6	PASSENGER'S SIDE MIRROR	in upper RH front door		
Y19	SHIFT-LOCK	center console	19-3	
Y199	CARBON CANISTER VALVE	behind side panel, left from LH rear seat	28-3	
Y6101	CYL. 1 FUEL INJECTION VALVE	on cylinder head	08-2	
Y6102	CYL. 2 FUEL INJECTION VALVE	on cylinder head	08-2	
Y6103	CYL. 3 FUEL INJECTION VALVE	on cylinder head	08-2	
Y6104	CYL. 4 FUEL INJECTION VALVE	on cylinder head	08-2	
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment	13-2	
Y6130	IDLE SPEED CONTROL VALVE	rear LH side of engine compartment	10-2	

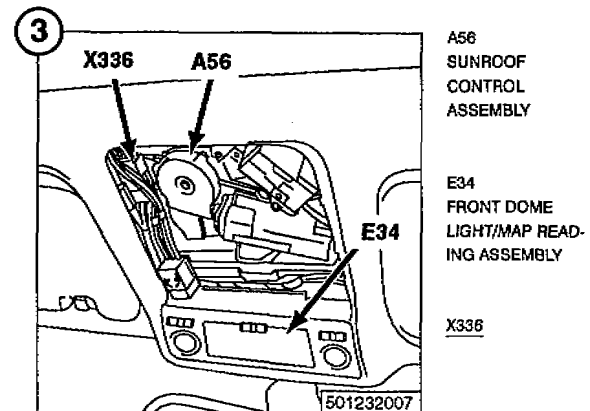
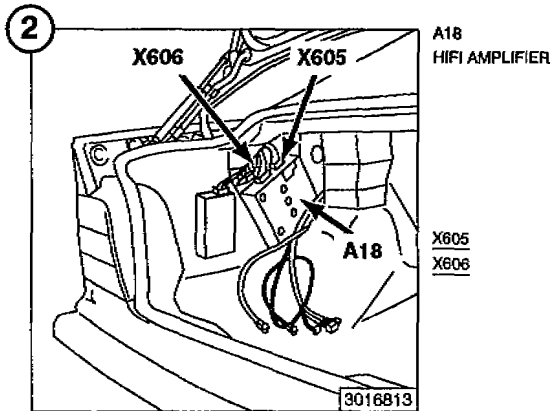
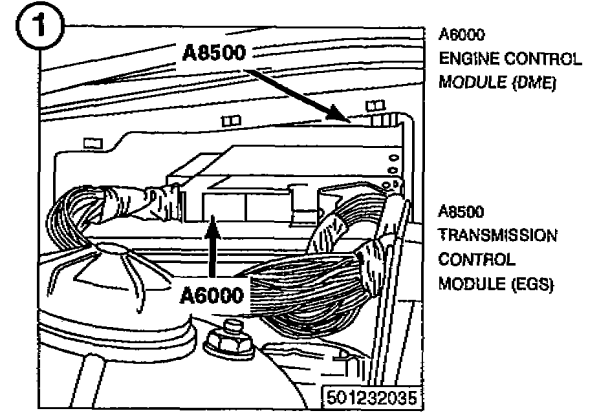
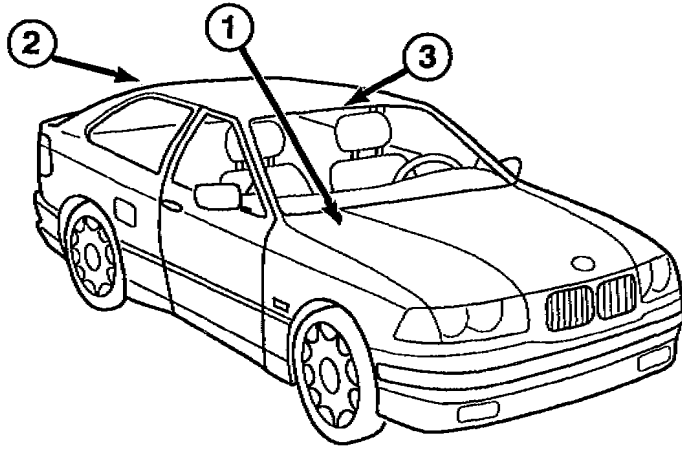


COMPONENT LOCATION CHART

COMP.	DESCRIPTION	LOCATION	7100.0	8500.0
Y6131	INTAKE AIR RESONANCE CHANGE-OVER VALVE	rear LH side of engine compartment	11-2	
Y6133	AIR PUMP	LH side of engine compartment	13-2	
Y6163	SECONDARY AIR PUMP VALVE	LH side of engine compartment	13-2	
Y6263	FUEL CHANGEOVER VALVE	Behind right rear interior trim panel, right from RH rear seat		
Y8505	TRANSMISSION VALVE UNIT	on RH side of transmission		

COMPONENT LOCATION VIEWS

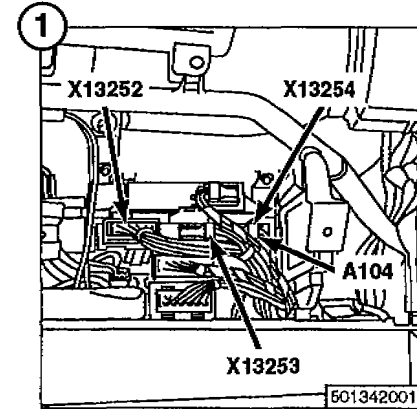
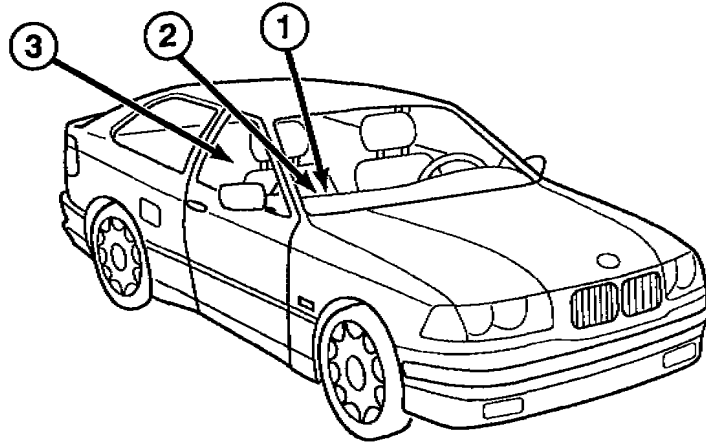
ELECTRICAL CONTROL MODULE LOCATIONS





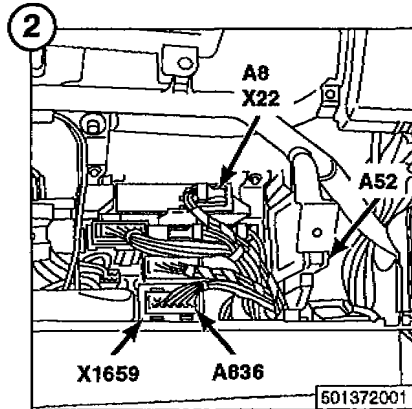
COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS



1
A104
BODY
ELECTRONICS
CONTROL
MODULE (ZKE IV)

X13252
X13253
X13254



2

A8
X22

A52

X1659

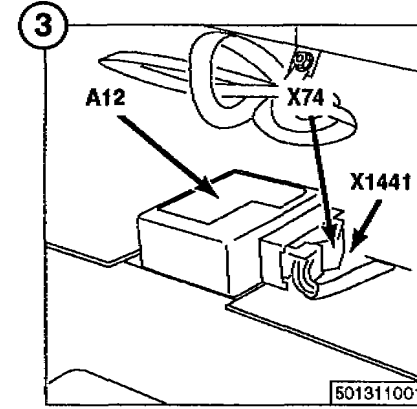
A836

A8
CRUISE CONTROL
MODULE
(TEMPOMAT)

A52
SLIP CONTROL
MODULE
(ABS/ASC)

A836
ELECTRONIC
IMMOBILIZER
CONTROL
MODULE (EWS II)

X22
X1659



3

A12

X74

X1441

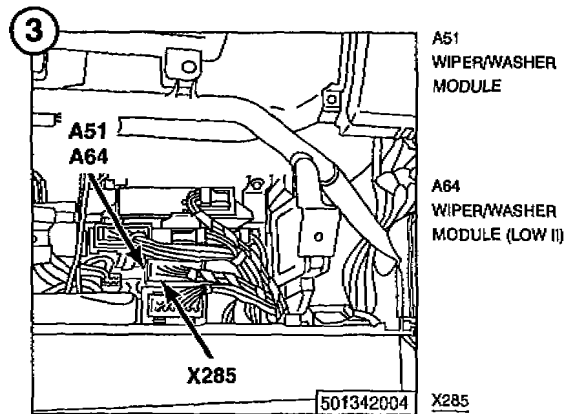
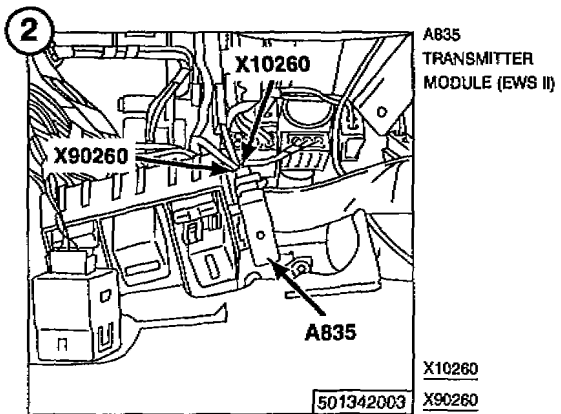
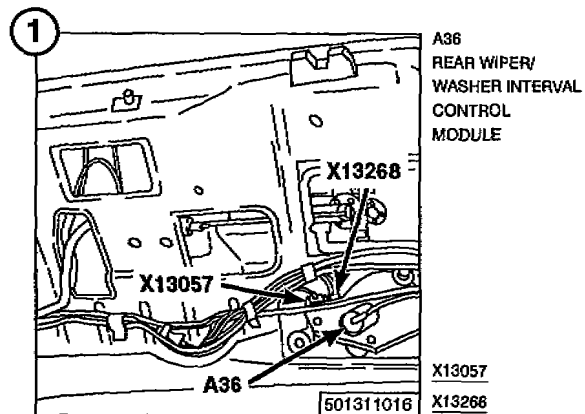
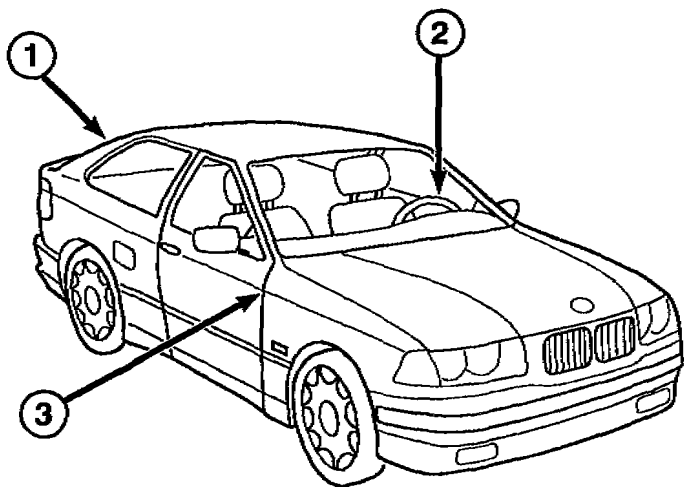
A12
SUPPLEMENTAL
RESTRAINT
SYSTEM CONTROL
MODULE

X74
X1441



COMPONENT LOCATION VIEWS

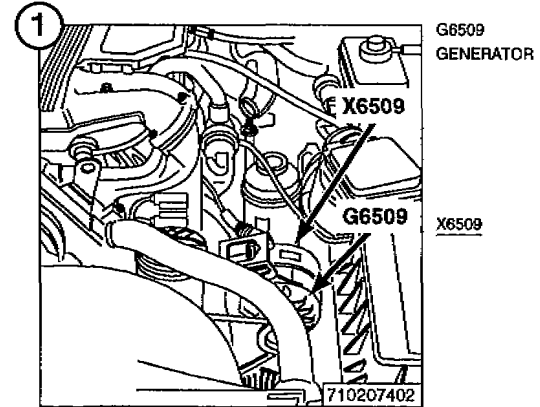
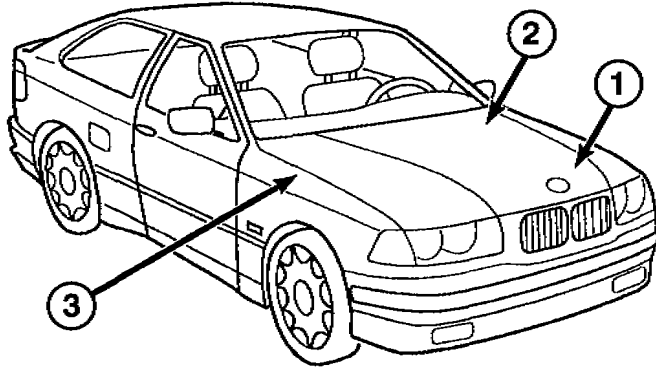
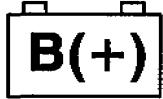
ELECTRICAL CONTROL MODULE LOCATIONS





compact

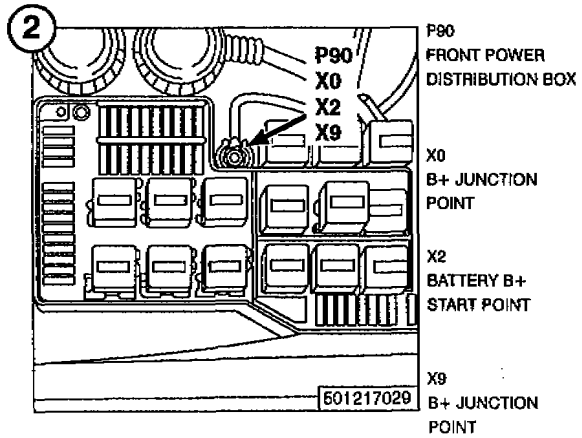
COMPONENT LOCATION VIEWS



G6509
GENERATOR

X6509

710207402



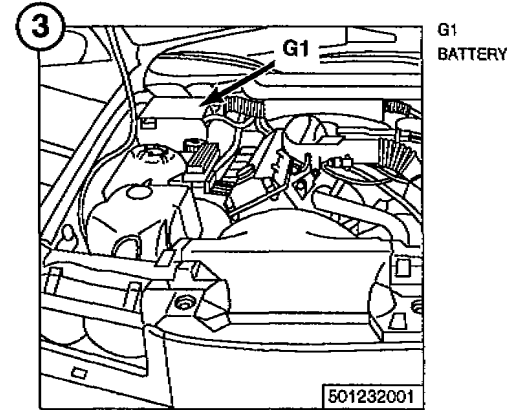
P90
FRONT POWER
DISTRIBUTION BOX

X0
B+ JUNCTION
POINT

X2
BATTERY B+
START POINT

X9
B+ JUNCTION
POINT

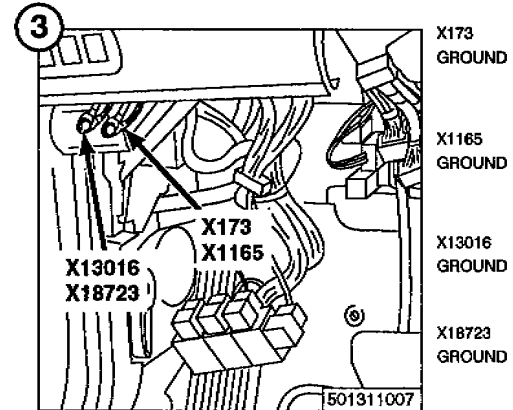
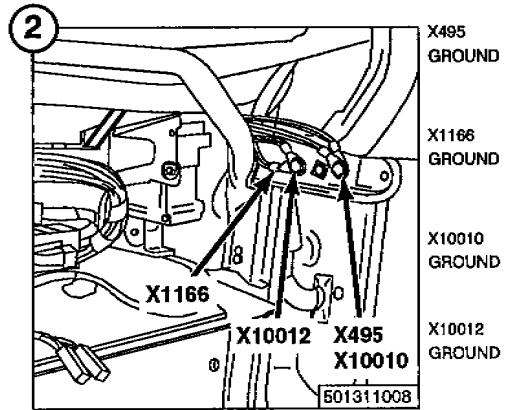
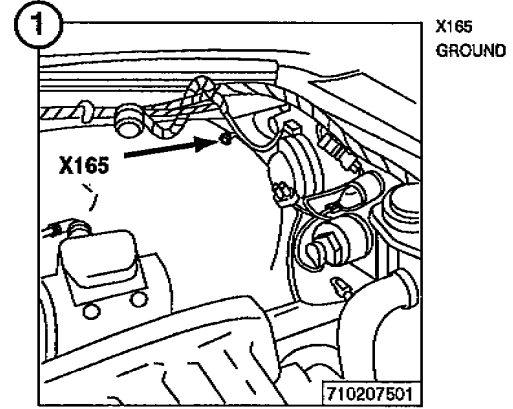
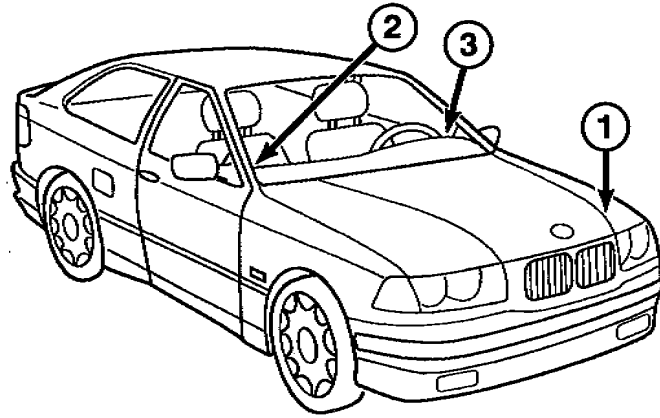
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G1
BATTERY

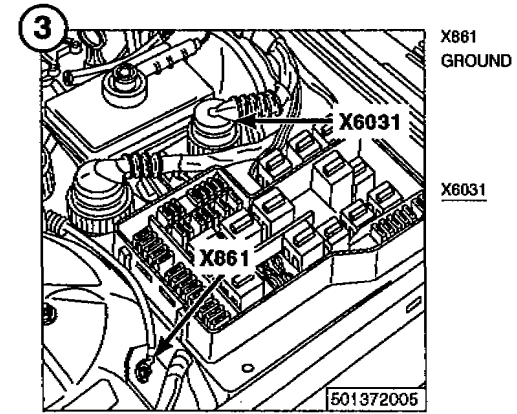
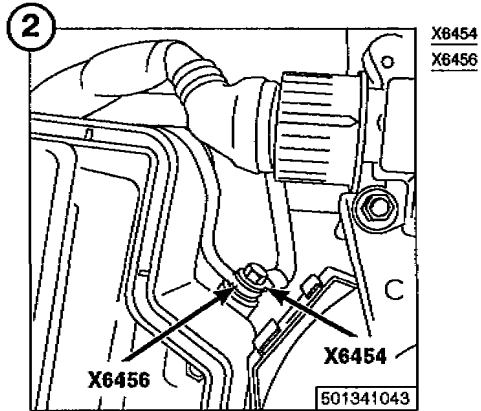
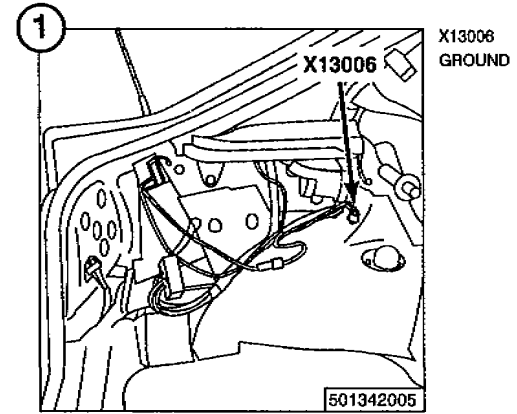
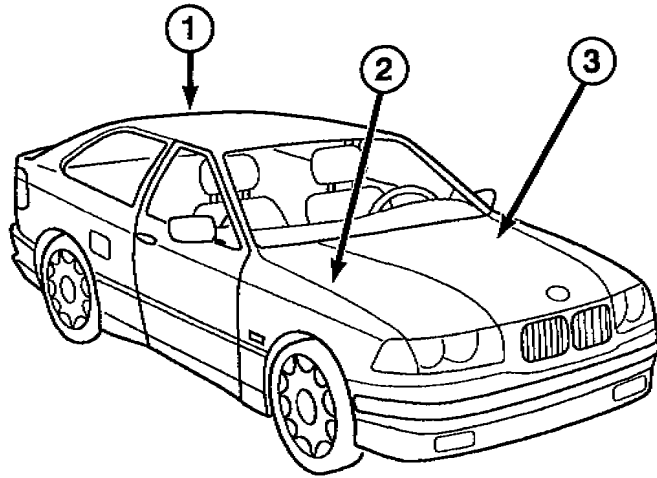
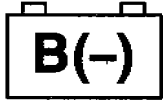
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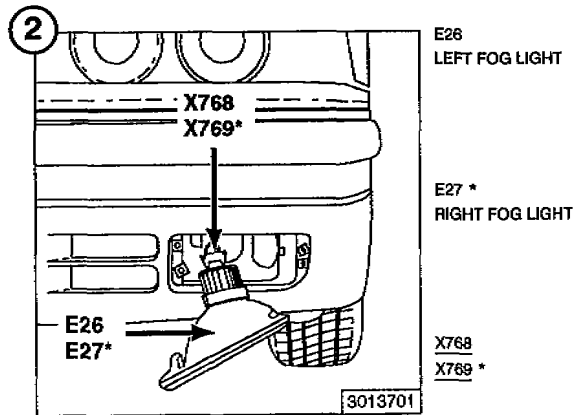
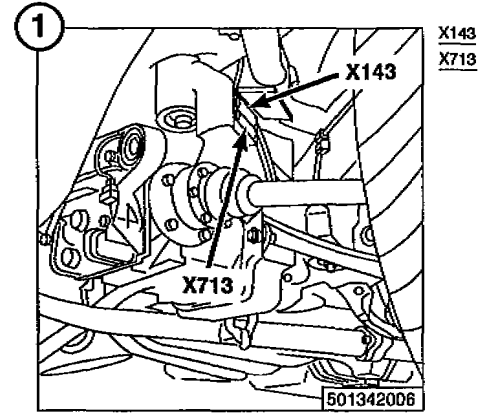
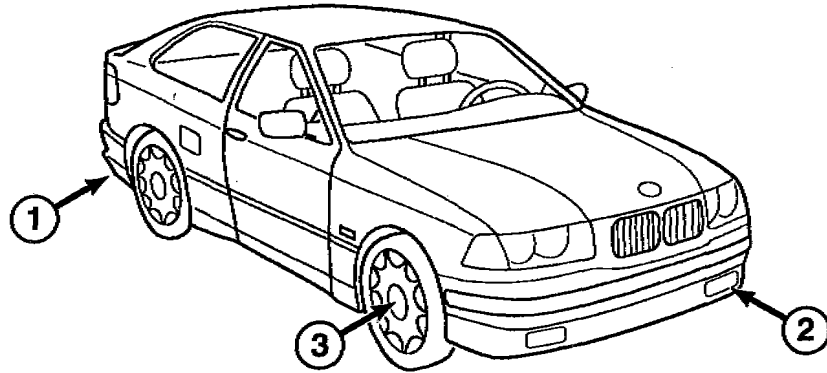




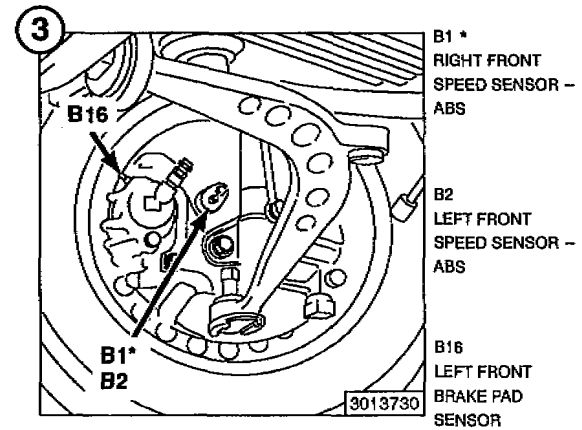
COMPONENT LOCATION VIEWS



COMPONENT LOCATION VIEWS



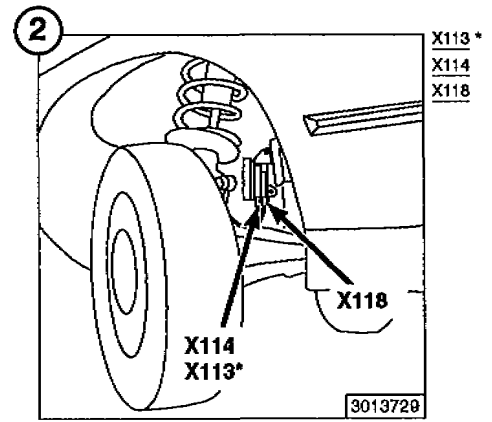
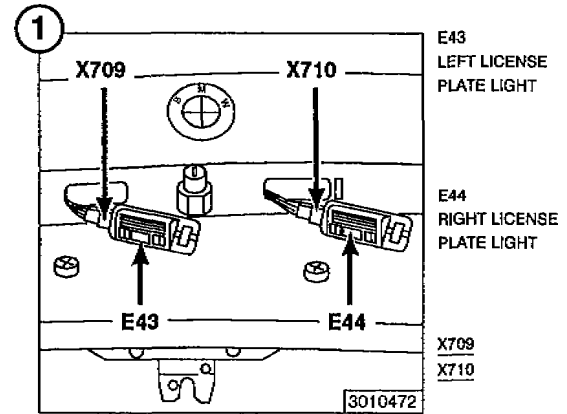
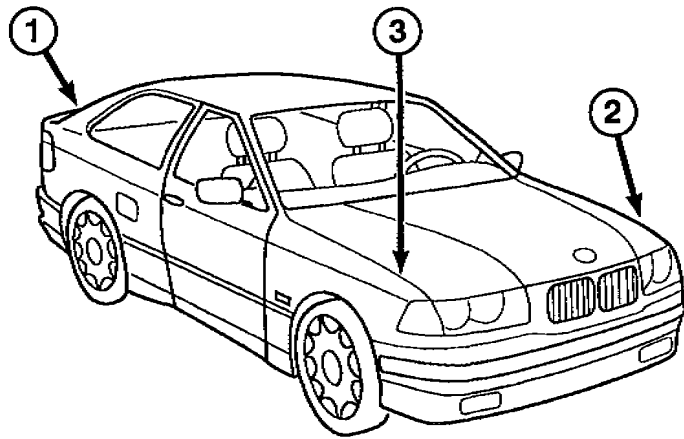
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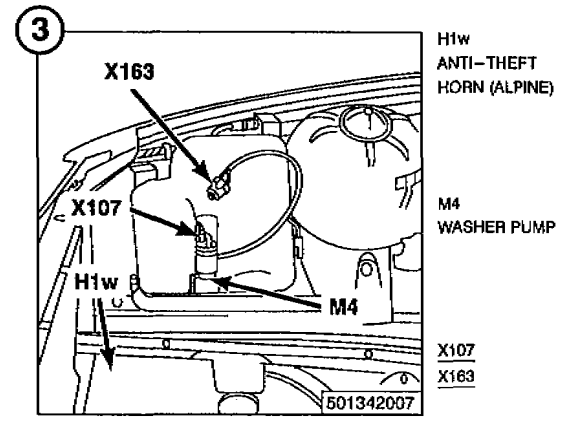
* RH SIMILAR

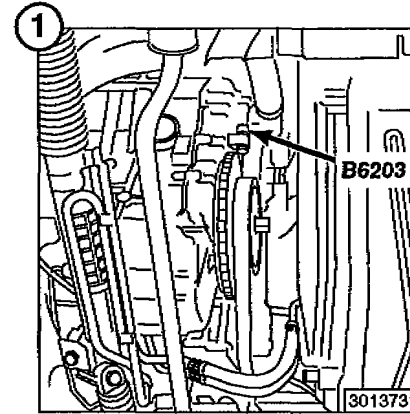
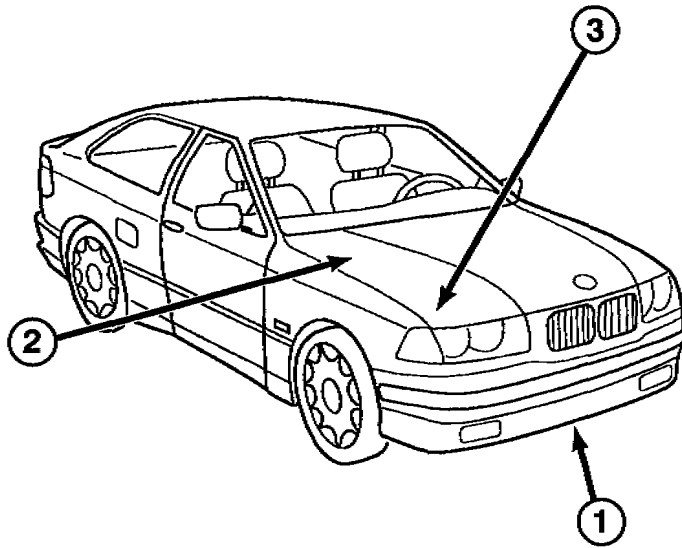


COMPONENT LOCATION VIEWS

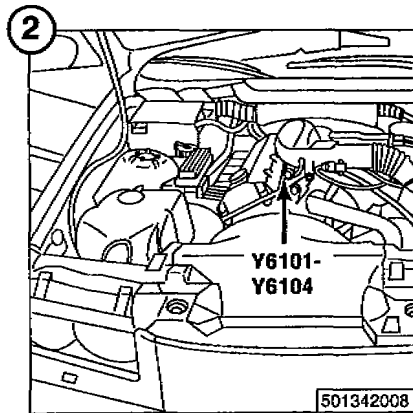


* RH SIMILAR



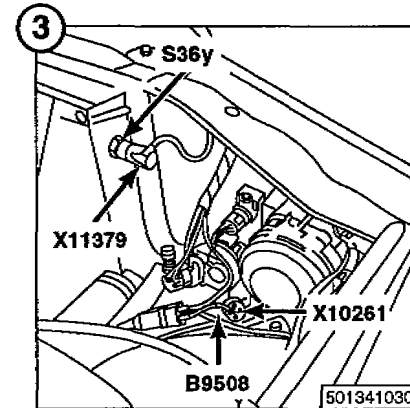


B6203
CRANKSHAFT
POSITION/RPM
SENSOR



Y6101
Y6102
Y6103
Y6104

Y6101-
Y6104

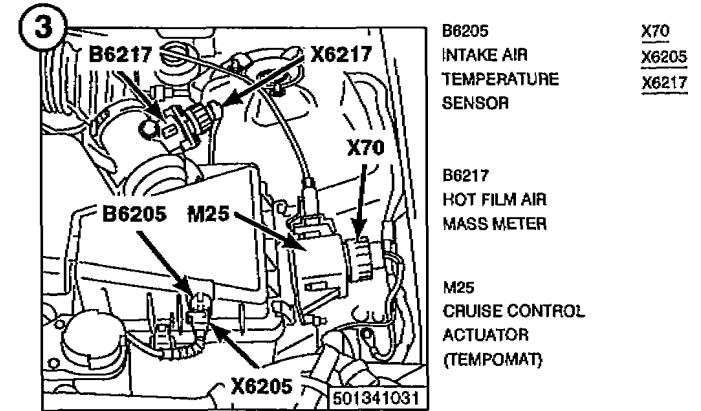
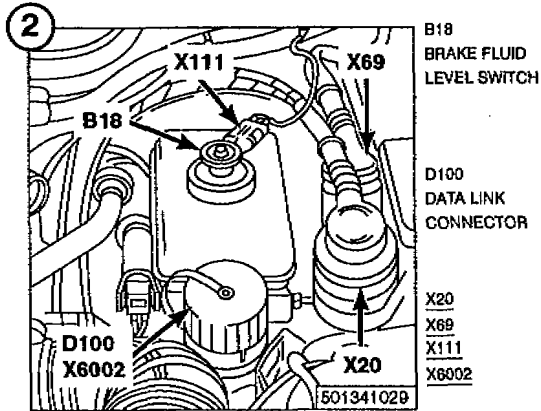
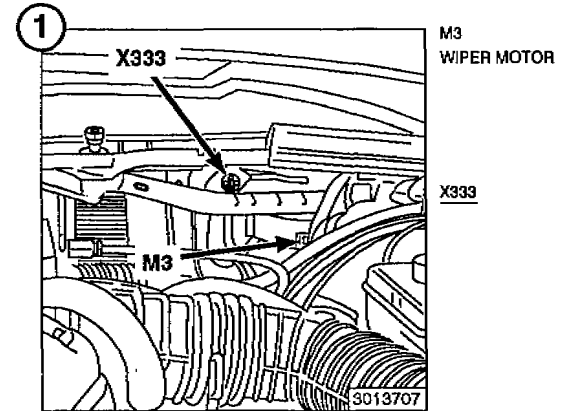
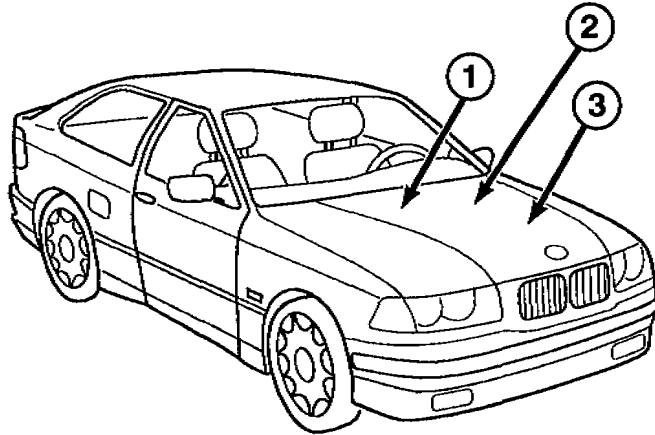


B9508
PRESSURE
SWITCH

S36y
DOUBLE
TEMPERATURE
SWITCH

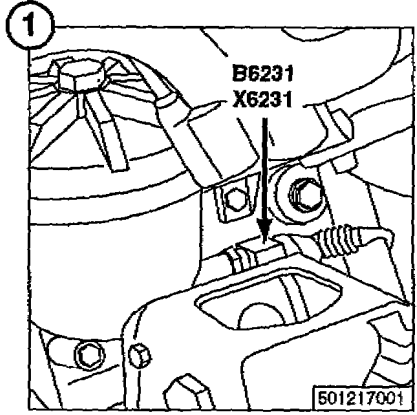
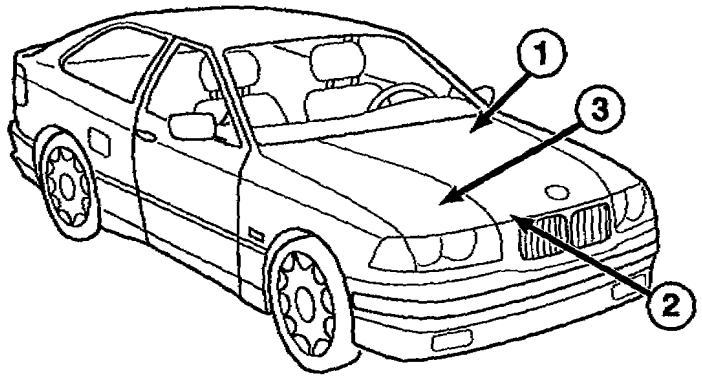
X10261
X11379

COMPONENT LOCATION VIEWS



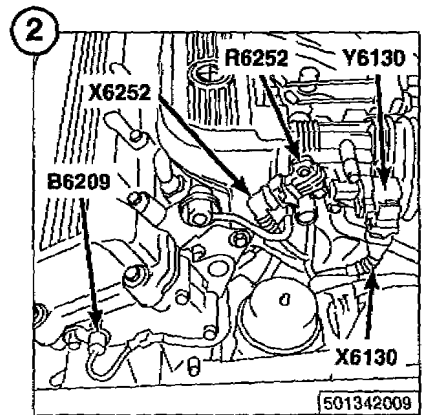


COMPONENT LOCATION VIEWS



B6231
OIL PRESSURE
SWITCH

X6231

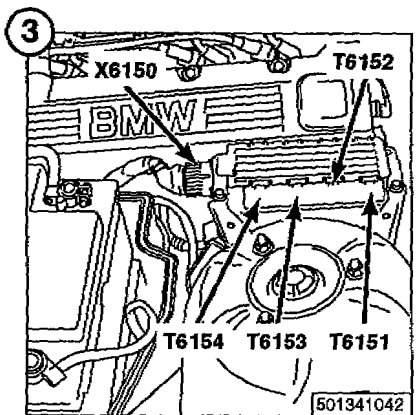


B6209
HALL EFFECT
CAMSHAFT
SENSOR

R6252
THROTTLE
POSITION SENSOR

Y6130
IDLE SPEED
CONTROL VALVE

X6130
X6252



T6151
CYL 1 IGNITION
COIL

T6152
CYL 2 IGNITION
COIL

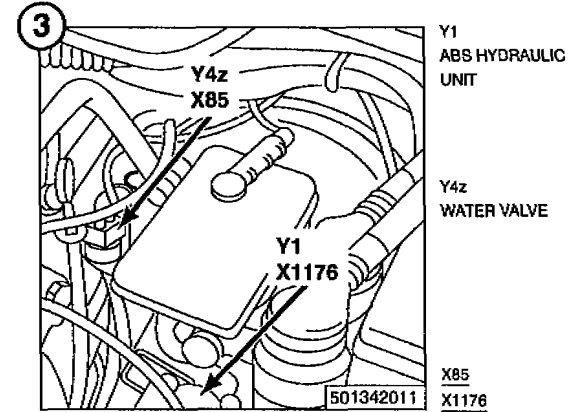
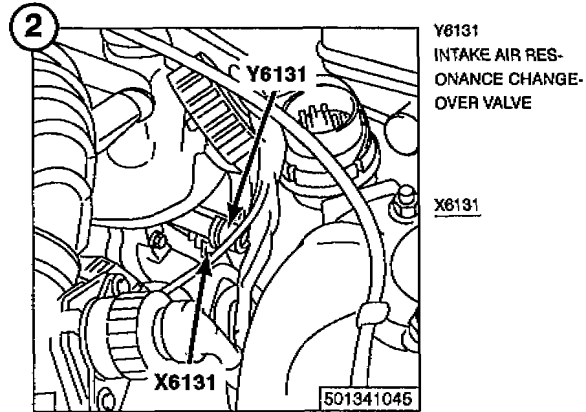
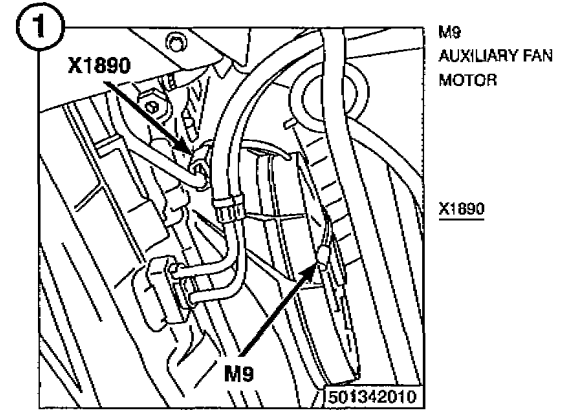
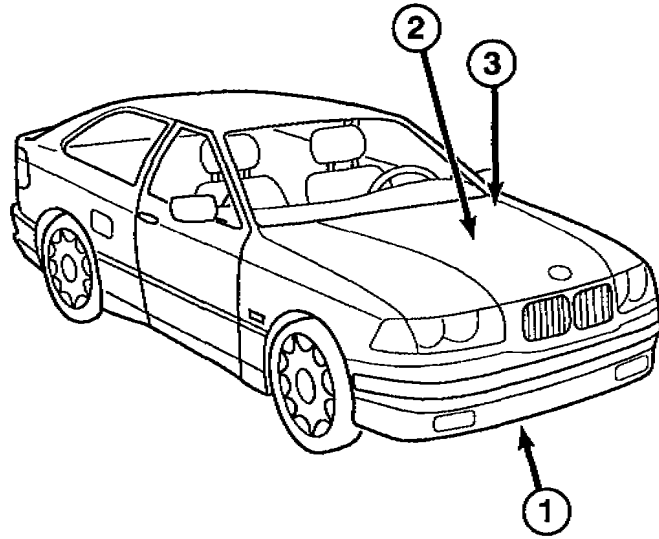
T6153
CYL. 3 IGNITION
COIL

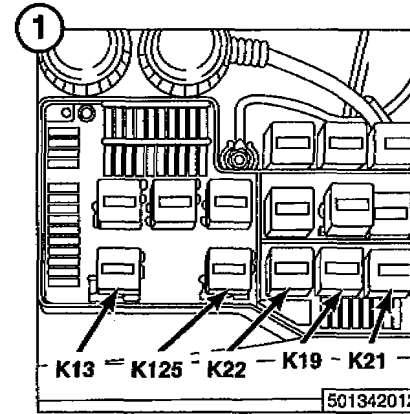
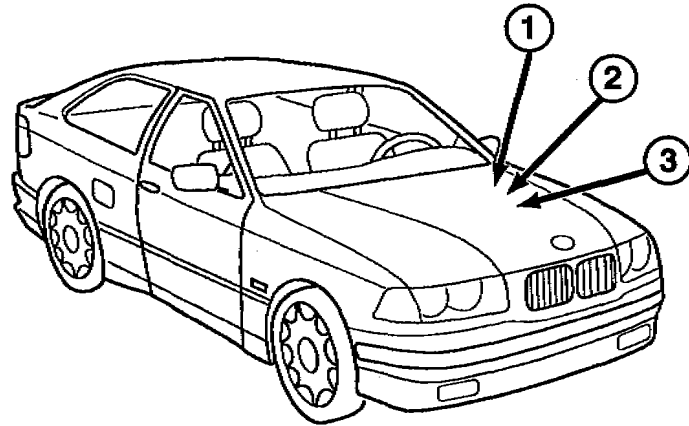
T6154
CYL 4 IGNITION
COIL

X6150

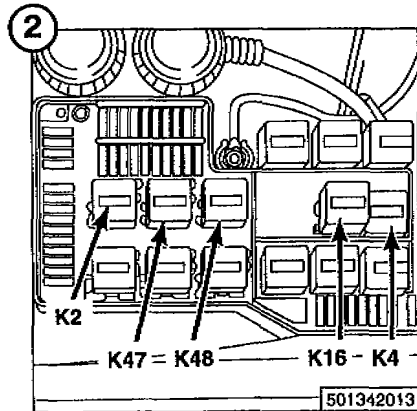


COMPONENT LOCATION VIEWS

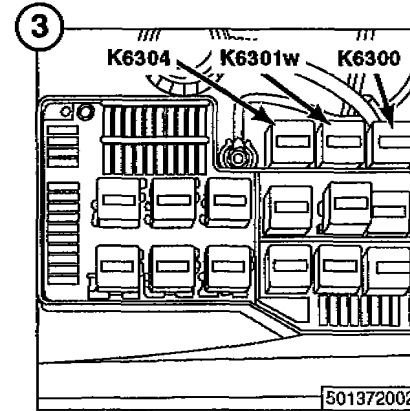




- K13 REAR DEFOGGER RELAY
- K22 HIGH SPEED RELAY
- K19 COMPRESSOR CONTROL RELAY
- K125 ABS PUMP MOTOR RELAY, TIMED
- K21 NORMAL SPEED RELAY



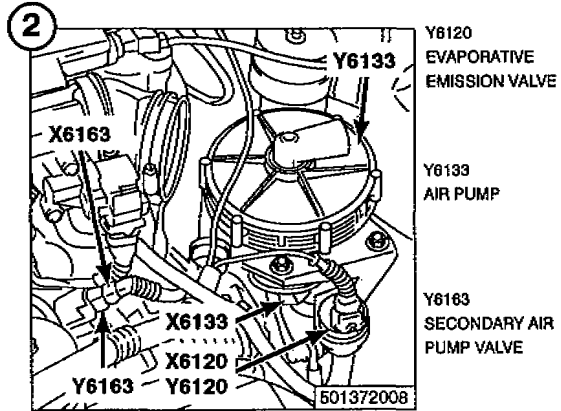
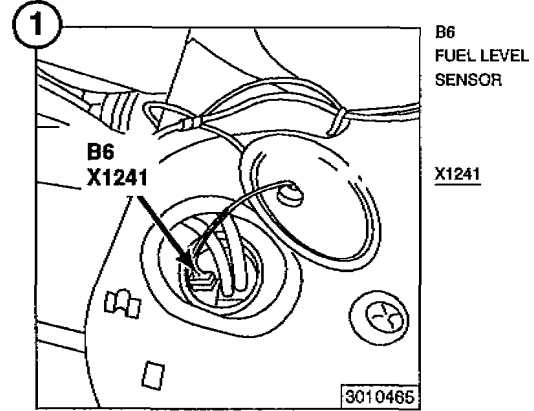
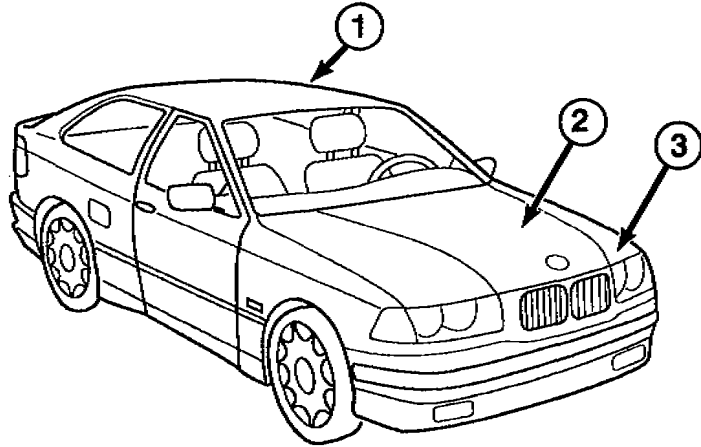
- K2 HORN RELAY
- K47 FRONT FOG LIGHT RELAY
- K4 BLOWER RELAY
- K48 LOW BEAM LIGHT RELAY
- K16 HAZARD FLASHER RELAY



- K6300 ENGINE CONTROL MODULE RELAY
- K6301w FUEL PUMP RELAY
- K6304 SECONDARY AIR PUMP RELAY



COMPONENT LOCATION VIEWS

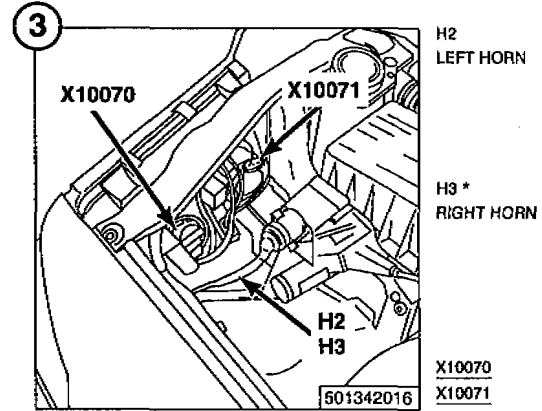


Y6120
EVAPORATIVE
EMISSION VALVE

X6120
X6133
X6163

Y6133
AIR PUMP

Y6163
SECONDARY AIR
PUMP VALVE



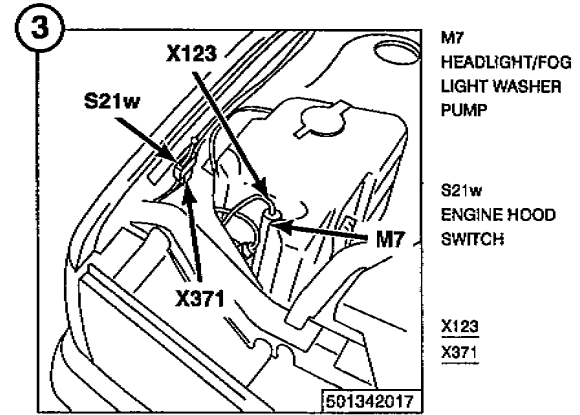
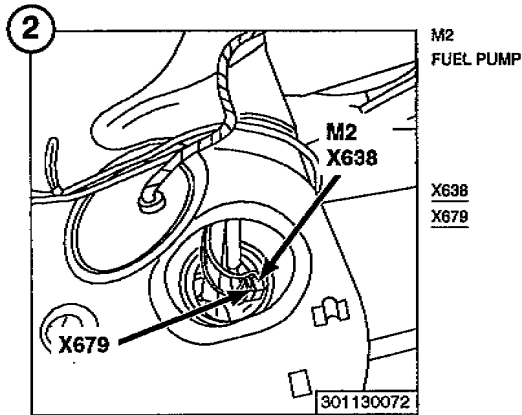
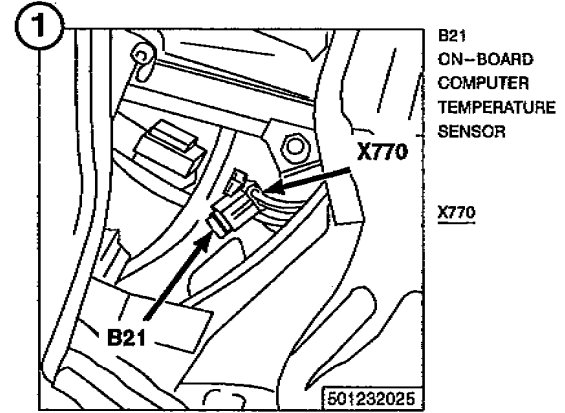
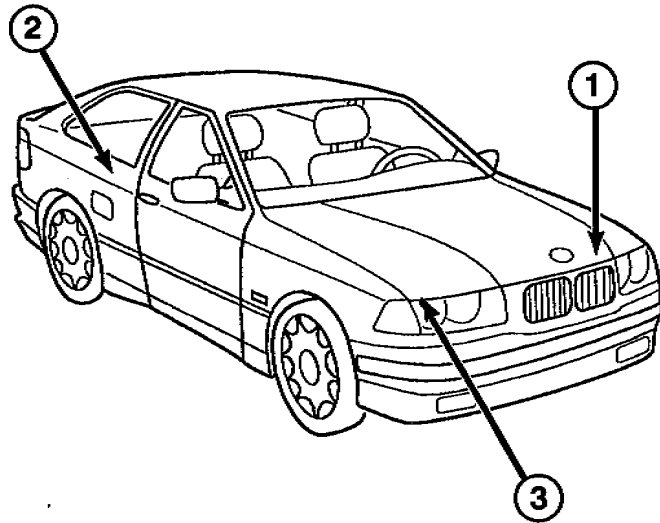
H2
LEFT HORN

H3 *
RIGHT HORN

X10070
X10071

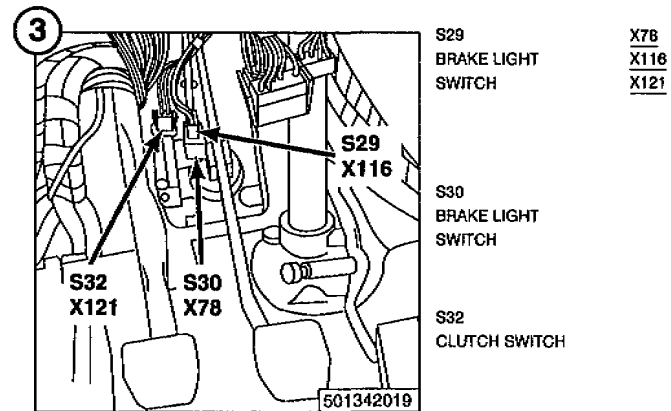
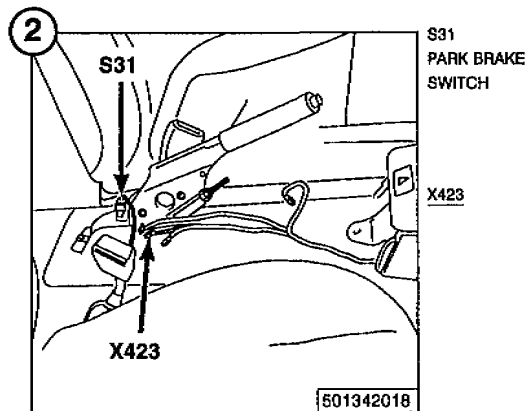
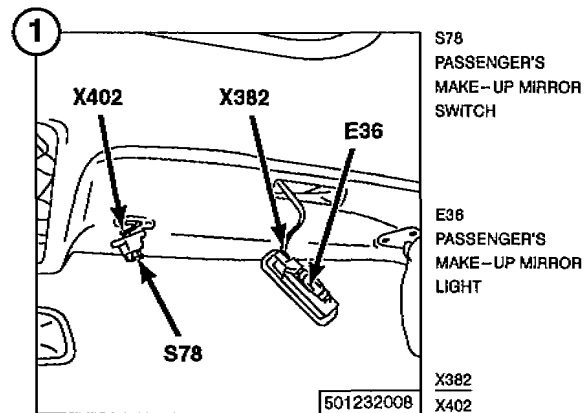
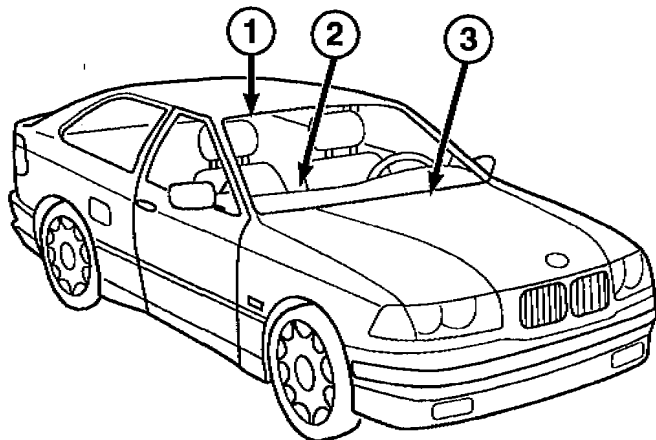
* RH SIMILAR

COMPONENT LOCATION VIEWS

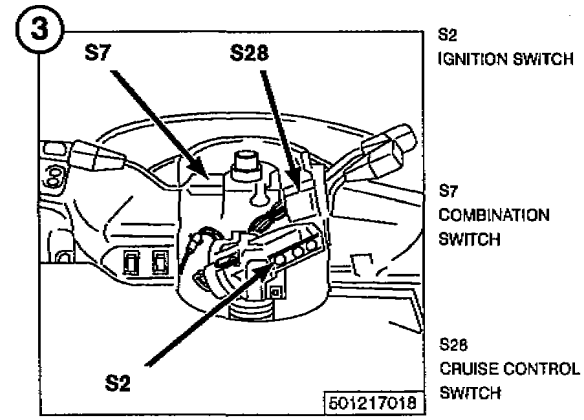
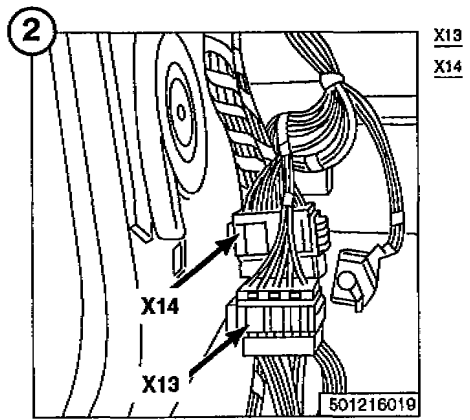
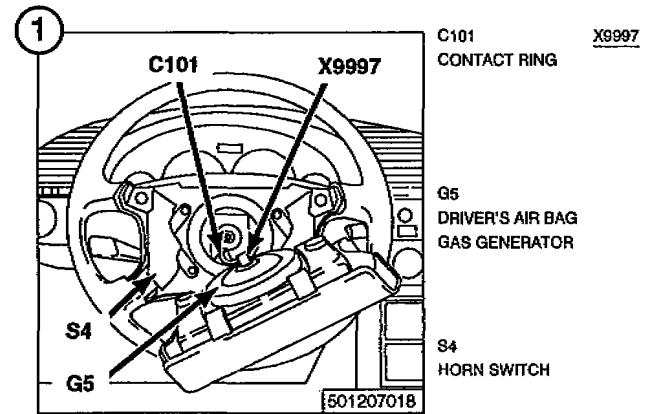
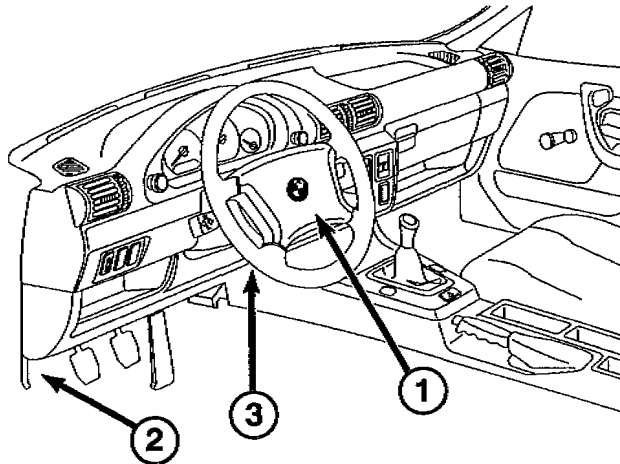




COMPONENT LOCATION VIEWS

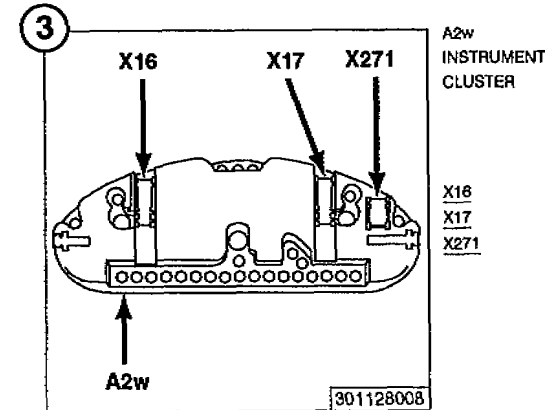
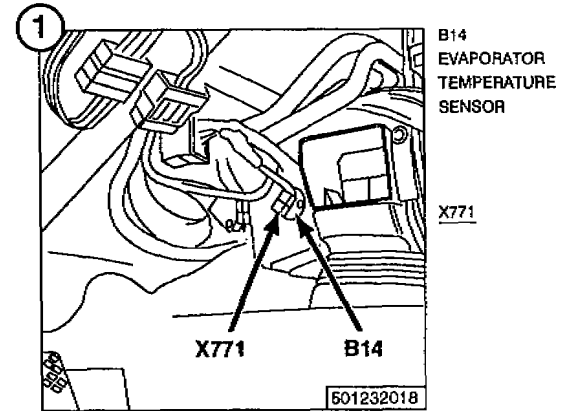
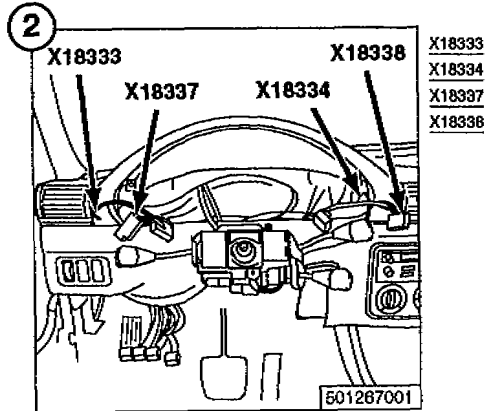
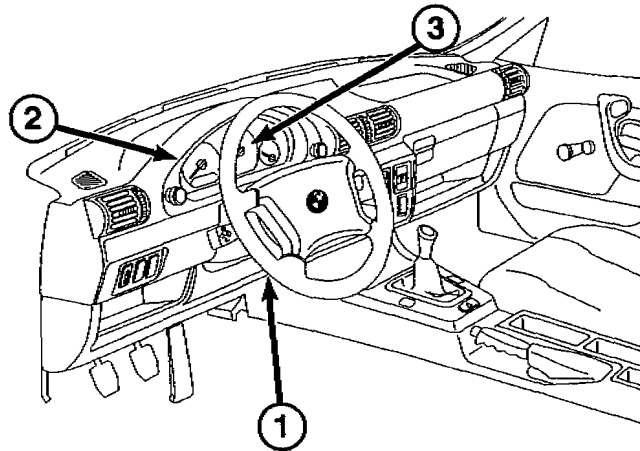


COMPONENT LOCATION VIEWS

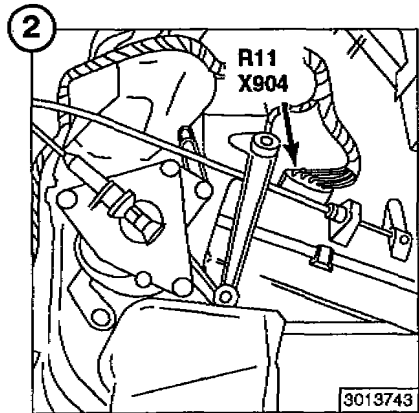
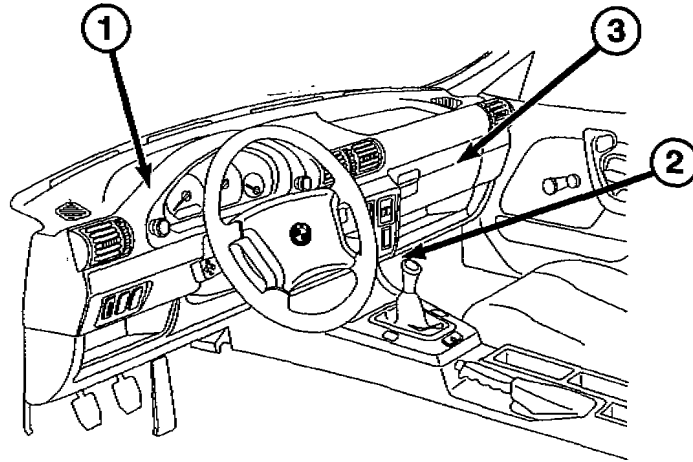




COMPONENT LOCATION VIEWS

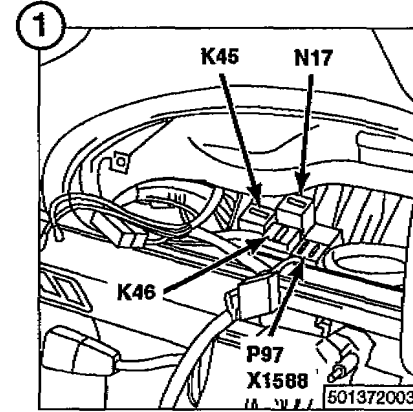


COMPONENT LOCATION VIEWS



R11
BLOWER
RESISTORS

X904



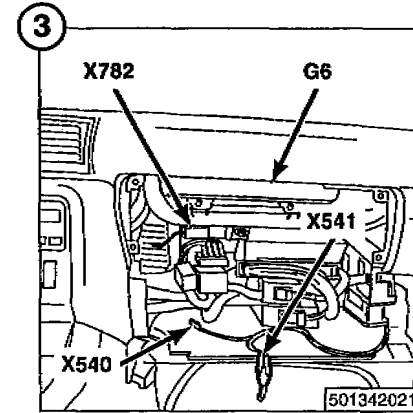
K45
FOLDING SUN-
ROOF COMFORT
RELAY

P97
AUXILIARY FUSE
BOX

K46
HIGH BEAM LIGHT
RELAY

X1588

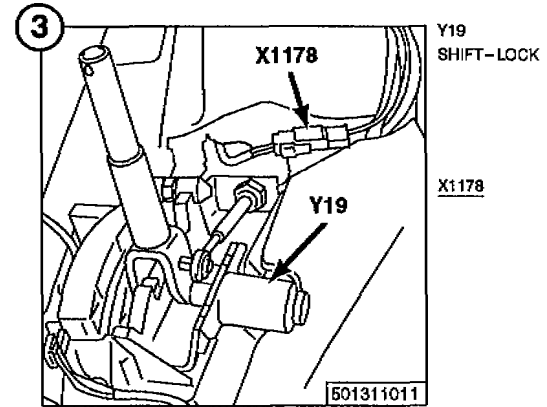
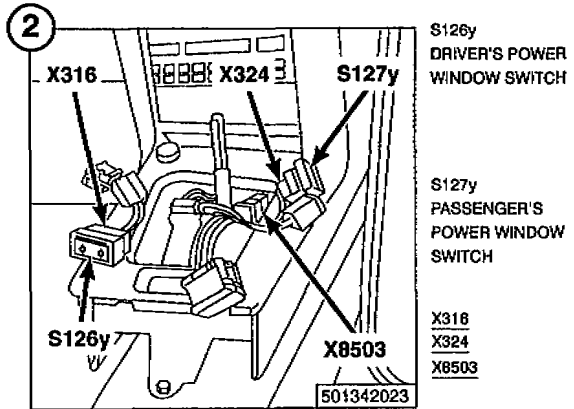
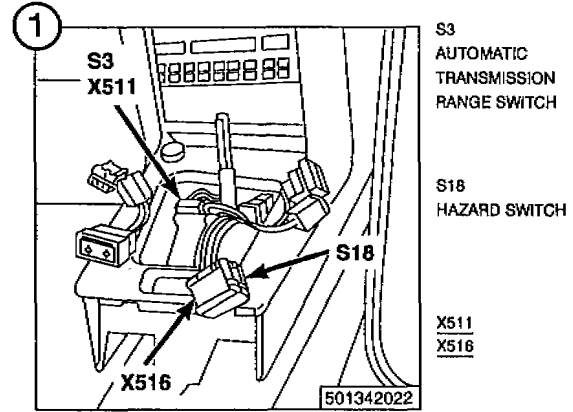
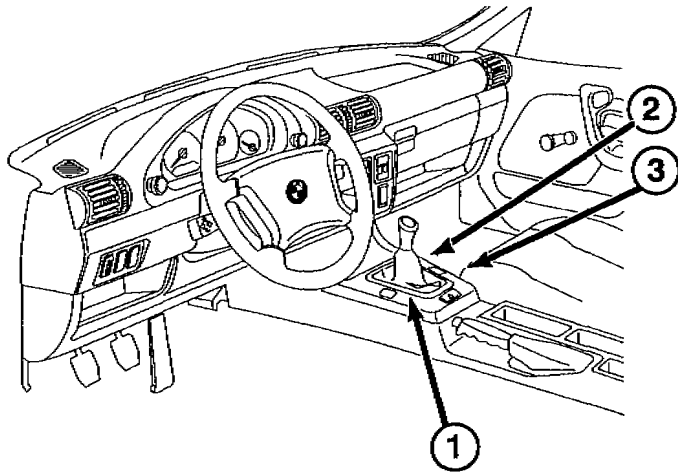
N17
CRASH CONTROL
MODULE

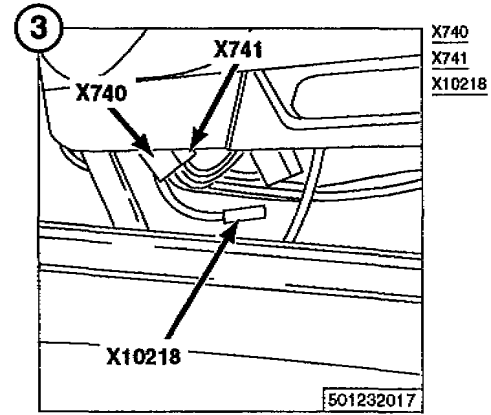
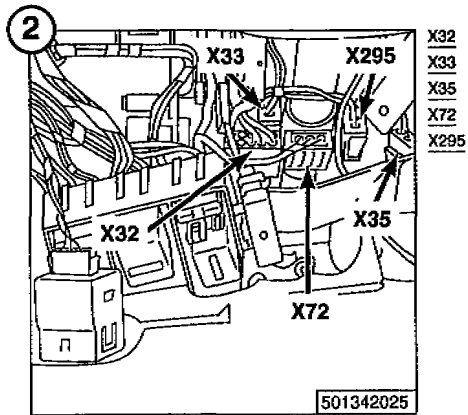
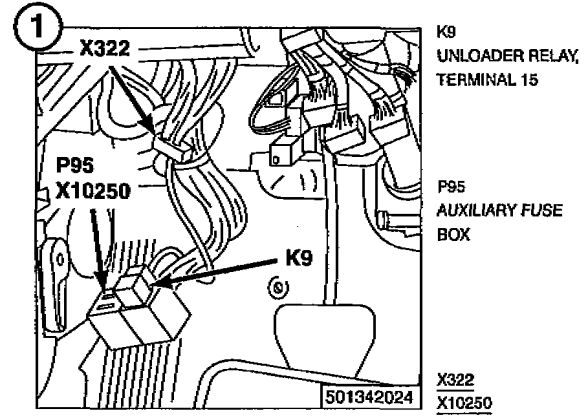
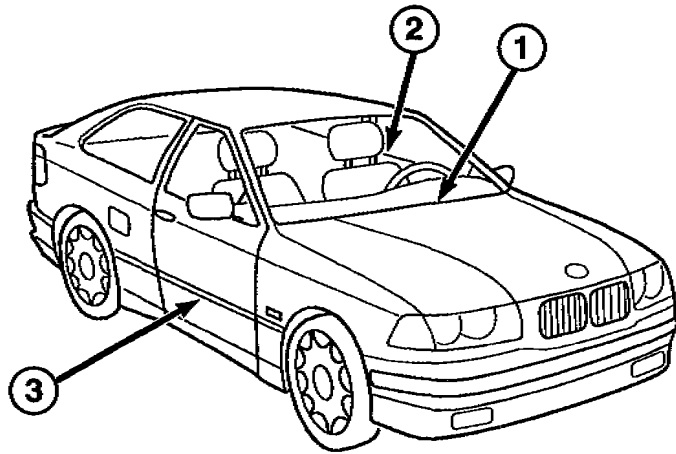


G6
PASSENGER'S AIR
BAG GAS
GENERATOR

X540
X541
X782

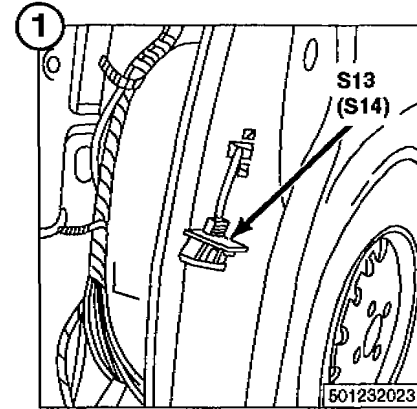
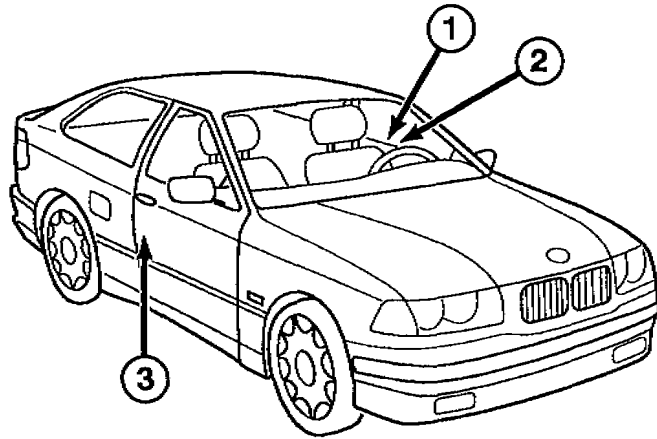
COMPONENT LOCATION VIEWS







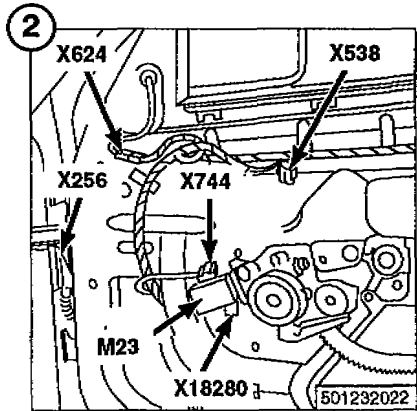
COMPONENT LOCATION VIEWS



S13
PASSENGER'S
DOOR JAMB
SWITCH

S14
DRIVER'S DOOR
JAMB SWITCH

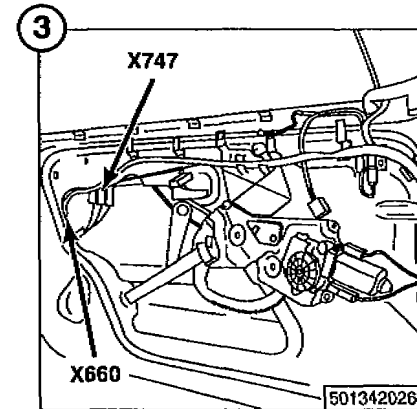
501232023



M23
PASSENGER'S
WINDOW MOTOR

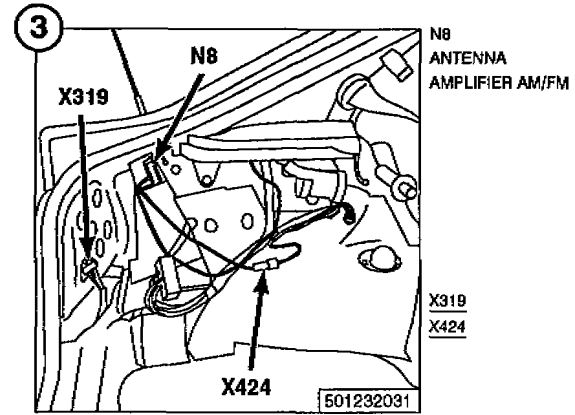
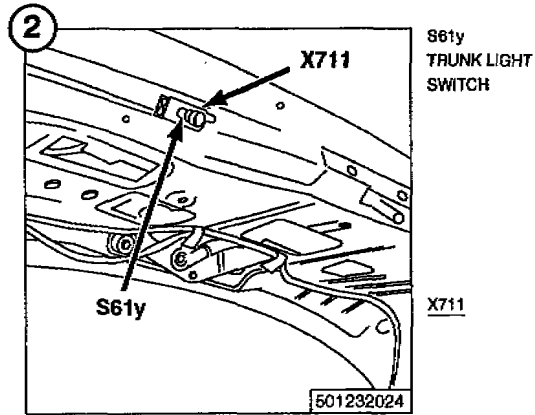
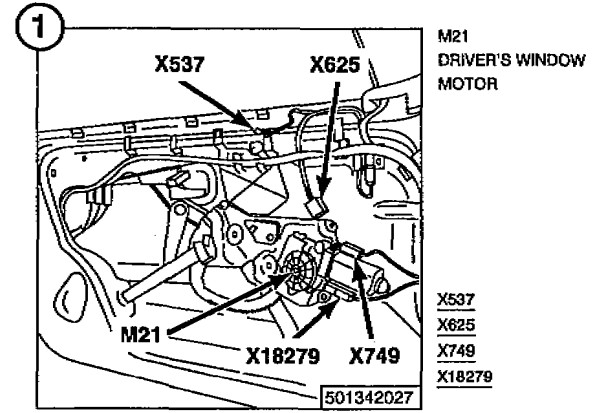
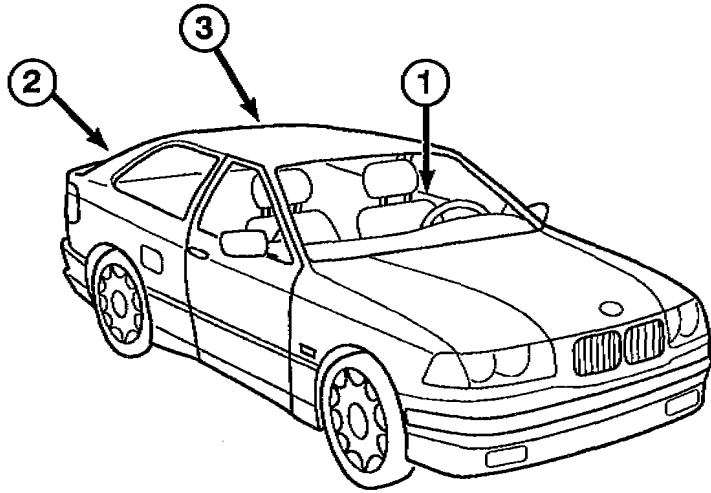
X256
X538
X624
X744
X18280

501232022



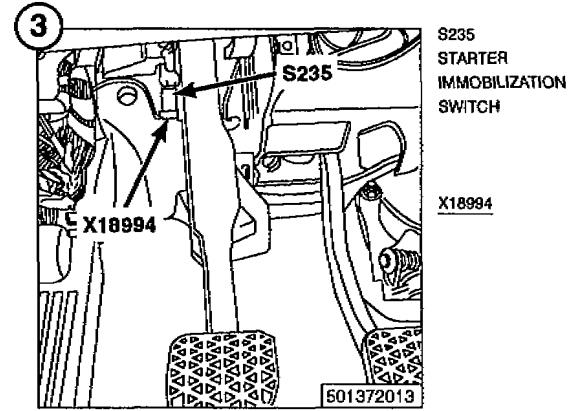
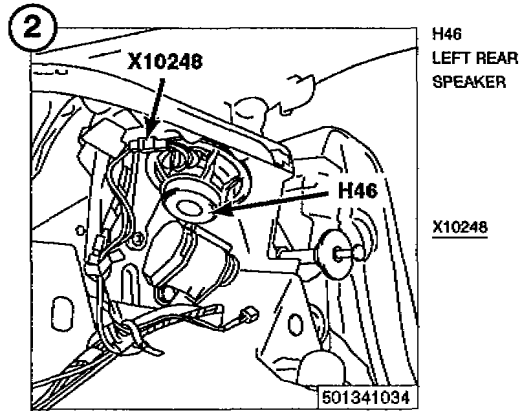
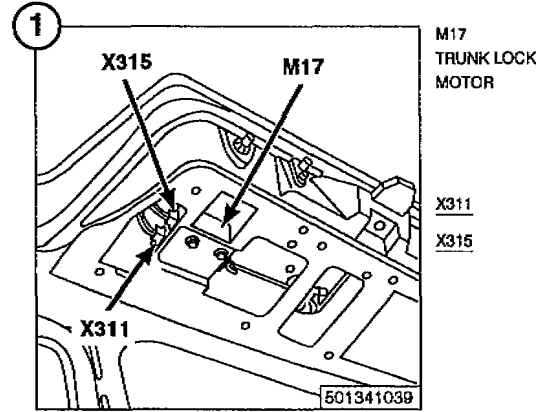
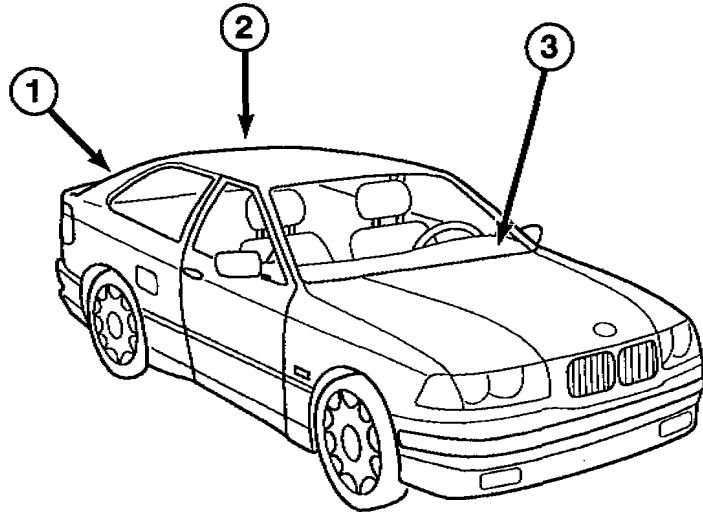
X660
X747

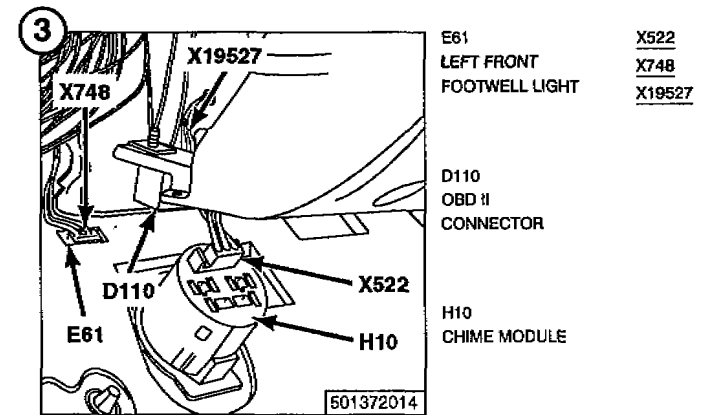
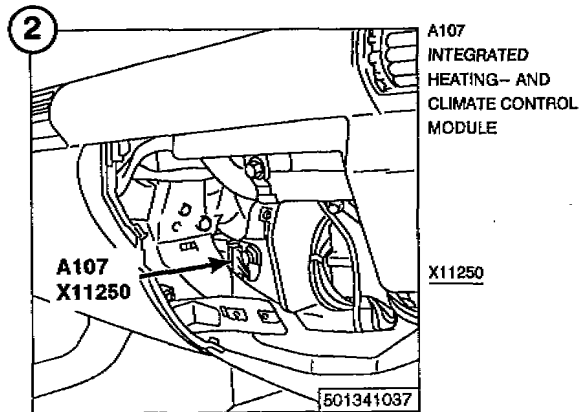
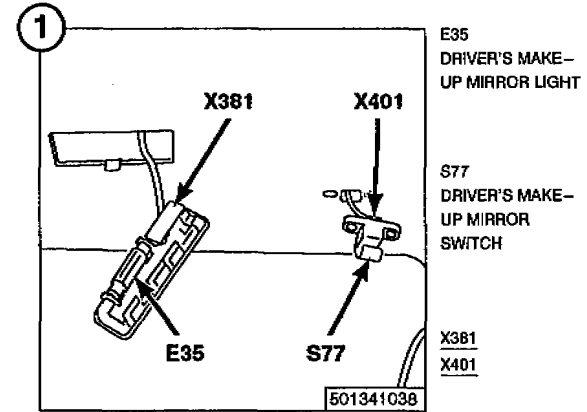
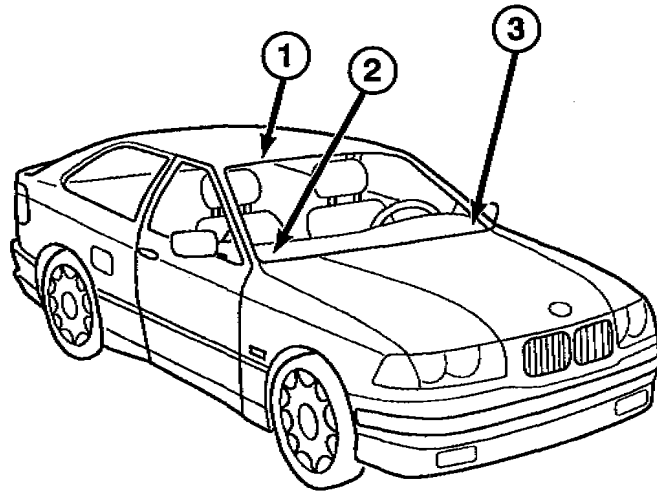
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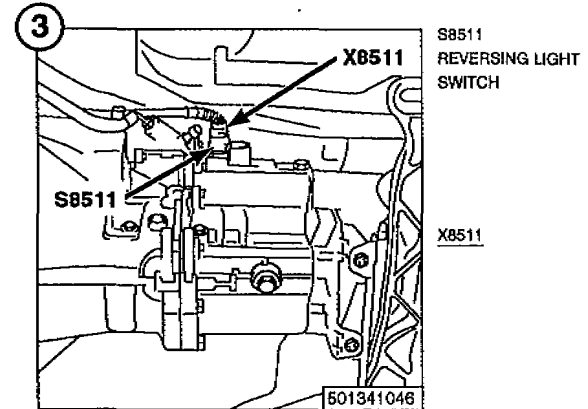
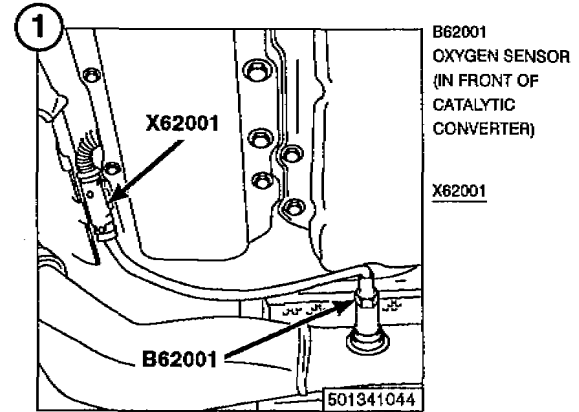
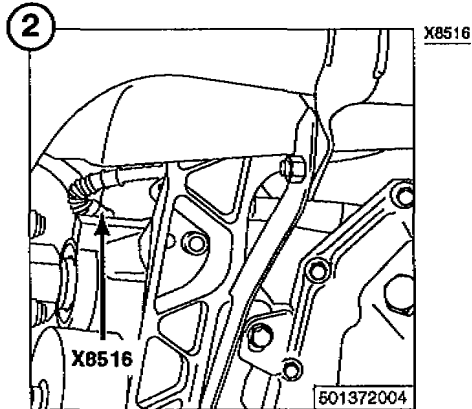
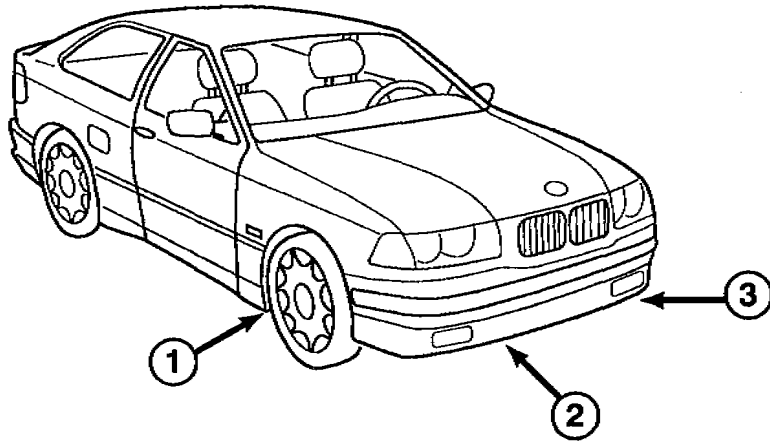
COMPONENT LOCATION VIEWS

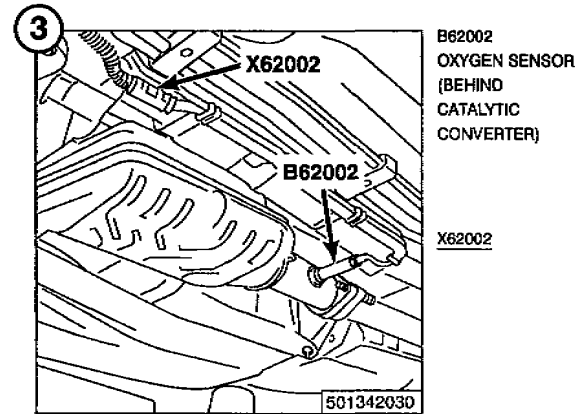
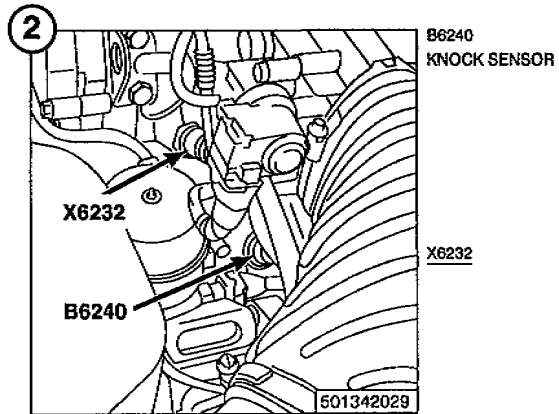
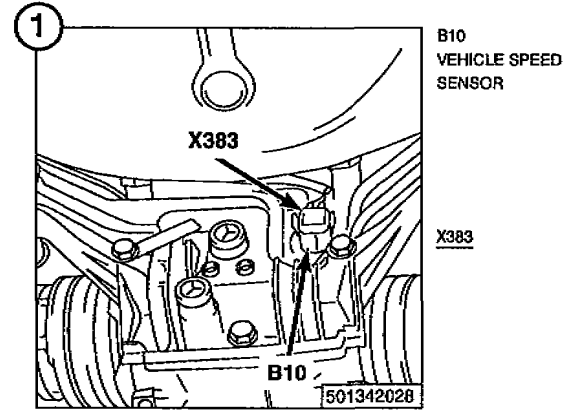
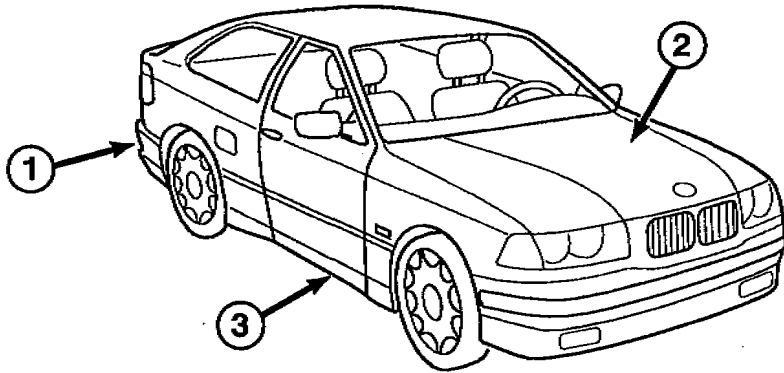






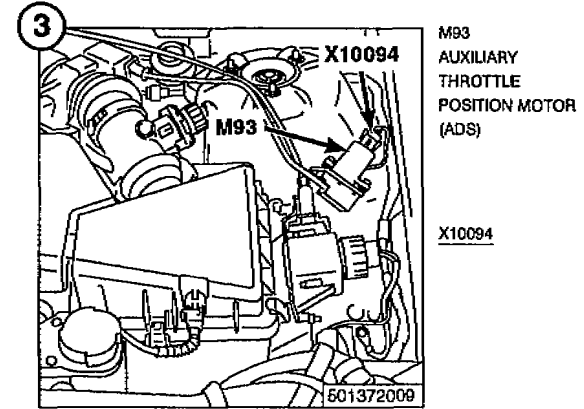
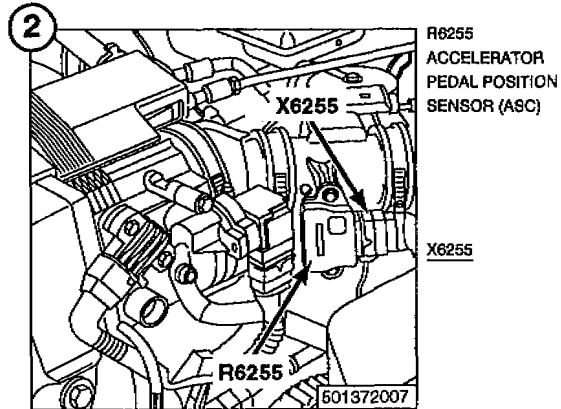
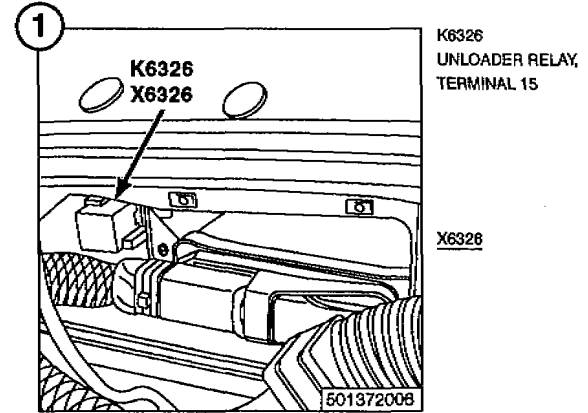
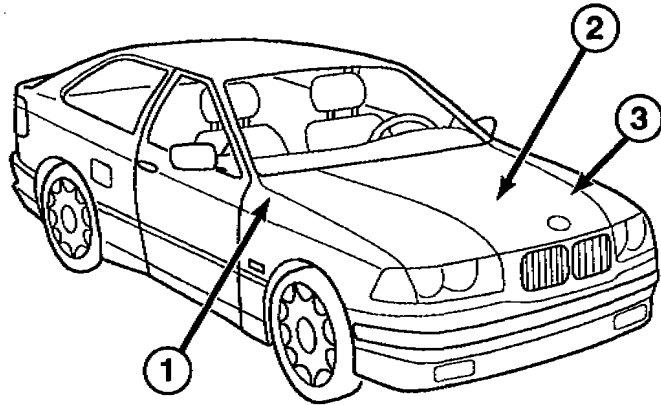
COMPONENT LOCATION VIEWS

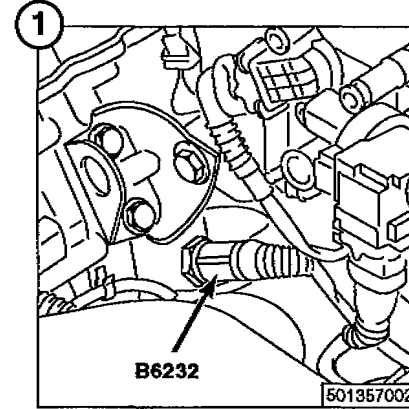
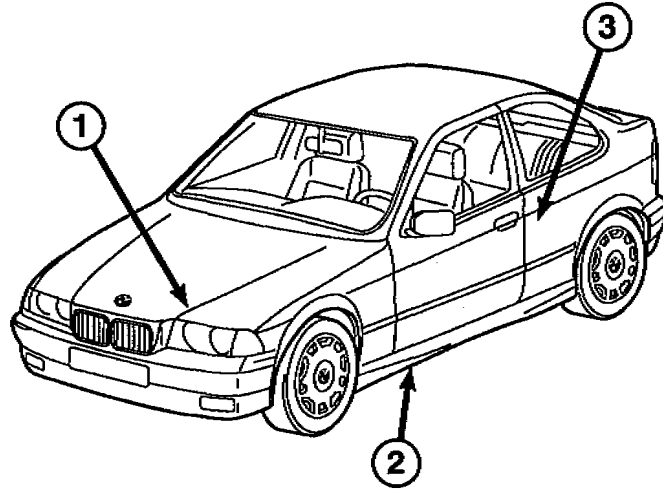




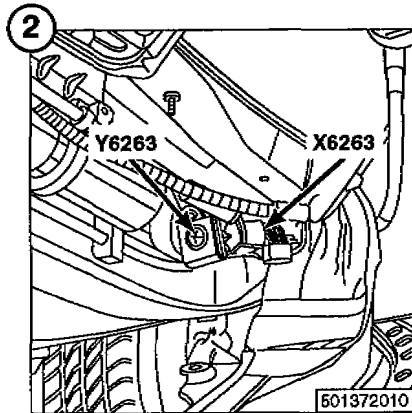


COMPONENT LOCATION VIEWS





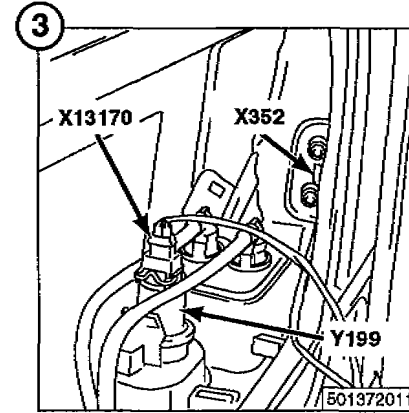
B6232
ENGINE COOLANT
TEMPERATURE
SENSOR



Y6263
FUEL CHANGE-
OVER VALVE

X6263

501372010



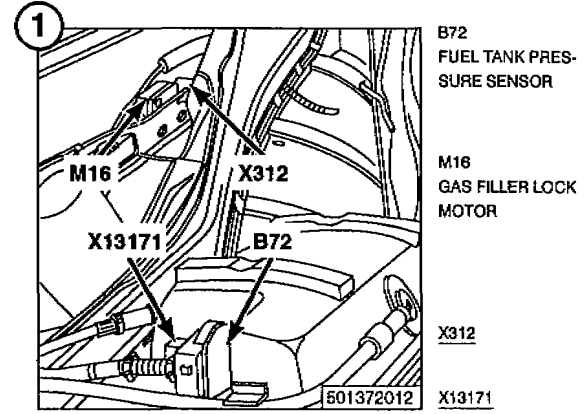
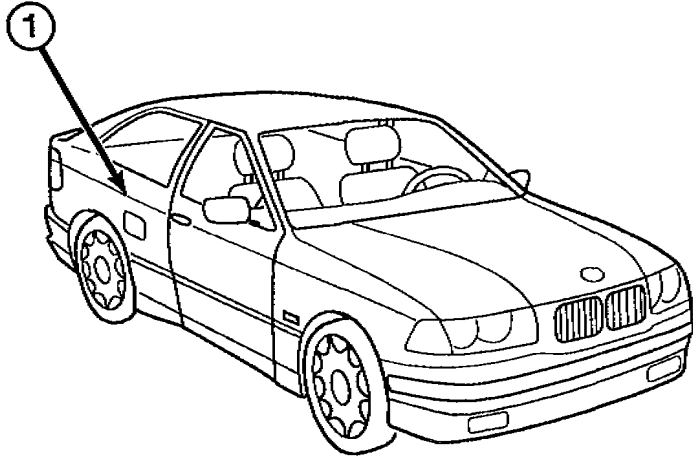
Y199
CARBON
CANISTER VALVE

X352
X13170

501372011



COMPONENT LOCATION VIEWS





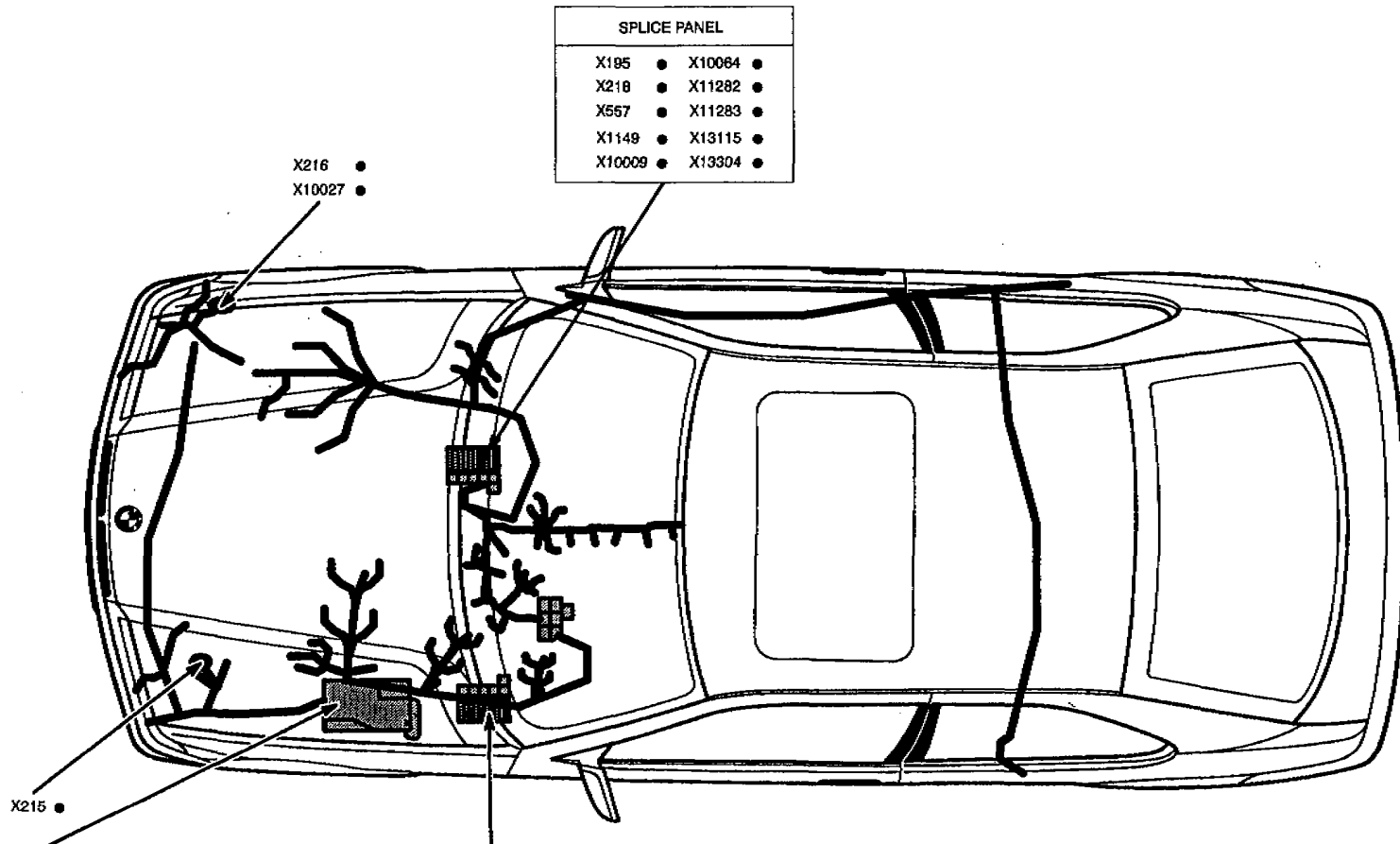
SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X181-X276	FRONT	8000.0-01	X7845-X7846	M44 ENGINE	8000.0-03
X428-X481	REAR	8000.0-02	X8004-X8576	M44 ENGINE	8000.0-03
X530-X595	FRONT	8000.0-01	X10007-X10090	FRONT	8000.0-01
X805	REAR	8000.0-02	X10118	REAR	8000.0-02
X818	IHKS	NOT SHOWN	X10120-X10123	FRONT	8000.0-01
X824-X830	RADIO	NOT SHOWN	X10169	M44 ENGINE	8000.0-03
X849	DRIVER'S DOOR	NOT SHOWN	X10191-X10231	FRONT	8000.0-01
X876-X877	RADIO	NOT SHOWN	X10233	IHKS	NOT SHOWN
X897	IHKS	NOT SHOWN	X10269-X10310	REAR	8000.0-02
X906	HS/IHKS	NOT SHOWN	X11264	FRONT	8000.0-01
X942	PASSENGER'S DOOR	NOT SHOWN	X11268	REAR	8000.0-02
X1015-X1164	FRONT	8000.0-01	X11282-X11284	FRONT	8000.0-01
X1167	REAR	8000.0-02	X11291-X11380	REAR	8000.0-02
X1168-X1192	FRONT	8000.0-01	X11381	FRONT	8000.0-01
X1212-X1214	REAR	8000.0-02	X13000	FRONT	8000.0-01
X1225	FRONT	8000.0-01	X13002-X13011	REAR	8000.0-02
X1226	REAR	8000.0-02	X13021-X13115	FRONT	8000.0-01
X1233	FRONT	8000.0-01	X13118-X13173	REAR	8000.0-02
X1234-1238	REAR	8000.0-02	X13279	IHKS	NOT SHOWN
X1258	FRONT	8000.0-01	X13289	REAR	8000.0-02
X1263	REAR	8000.0-02	X13300-X13304	FRONT	8000.0-01
X1387-X1396	REAR	8000.0-02	X13309	REAR	8000.0-02
X1541-X1542	FRONT	8000.0-01	X13311-X13313	FRONT	8000.0-01
X1682	FRONT	8000.0-01	X16809-X17319	RADIO	NOT SHOWN
X1896	REAR	8000.0-02	X18165	FRONT	8000.0-01
X6410-X6411	M44 ENGINE	8000.0-03	X18782	HS	NOT SHOWN
X6460-X6492	M44 ENGINE	8000.0-03	X18783-X18784	FRONT	8000.0-01
X6820-X6900	M44 ENGINE	8000.0-03	X19513	RADIO	NOT SHOWN



SPLICE LOCATION VIEWS

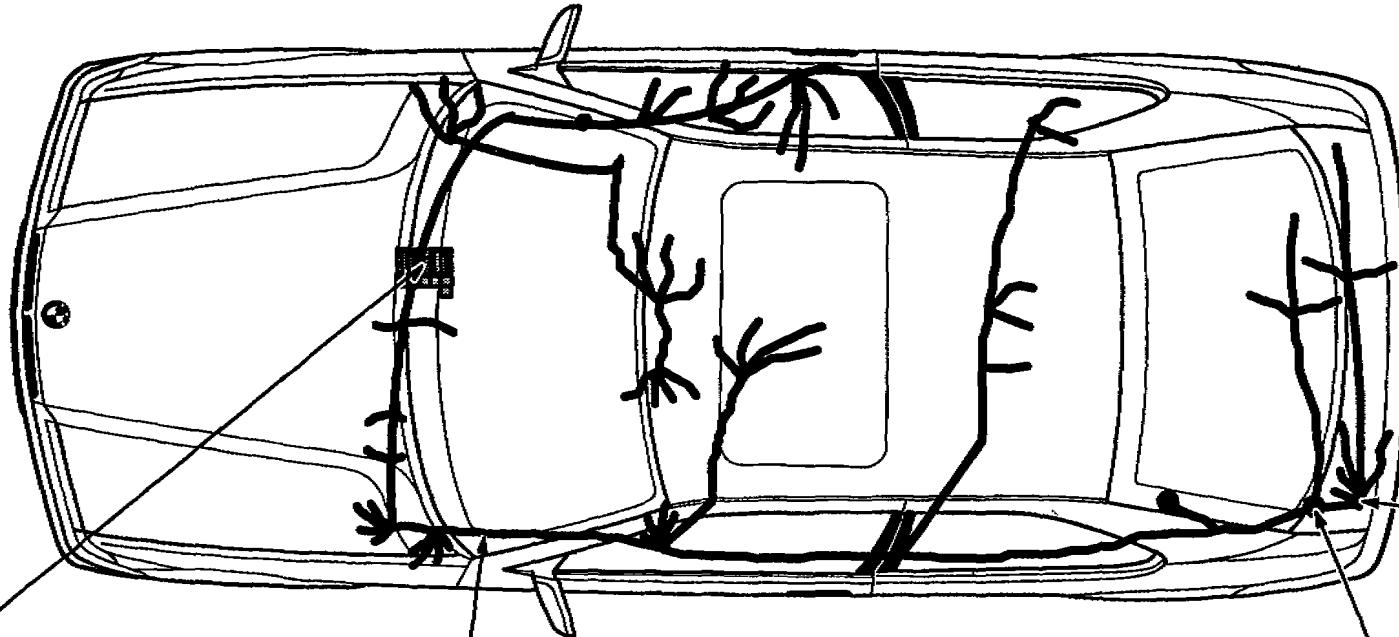
FRONT HARNESS



SPLICE PANEL	
X195 ●	X10064 ●
X218 ●	X11282 ●
X557 ●	X11283 ●
X1149 ●	X13115 ●
X10009 ●	X13304 ●

SPLICE PANEL						
X184 ●	X245 ●	X1027 ●	X1077 ●	X1166 ●	X10022 ●	X13300 ●
X185 ●	X246 ●	X1028 ●	X1152 ●	X1192 ●	X10029 ●	X13302 ●
X186 ●	X276 ●	X1038 ●	X1163 ●	X1233 ●	X10055 ●	X18783 ●
X187 ●	X530 ●	X1055 ●	X1164 ●	X1541 ●	X10100 ●	X18784 ●
X203 ●	X595 ●	X1068 ●	X1168 ●	X10007 ●	X10192 ●	
X223 ●	X1015 ●	X1073 ●	X1172 ●	X10020 ●	X11284 ●	
X238 ●	X1022 ●	X1076 ●	X1177 ●	X10021 ●	X13000 ●	

SPLICE PANEL						
X181 ●	X228 ●	X1079 ●	X1542 ●	X10090 ●	X13311 ●	
X182 ●	X1019 ●	X1080 ●	X1682 ●	X10120 ●	X13312 ●	
X183 ●	X1029 ●	X1085 ●	X10008 ●	X10123 ●	X13313 ●	
X188 ●	X1047 ●	X1169 ●	X10011 ●	X10191 ●	X18165 ●	
X191 ●	X1065 ●	X1179 ●	X10024 ●	X10231 ●		
X196 ●	X1066 ●	X1182 ●	X10026 ●	X11284 ●		
X197 ●	X1067 ●	X1225 ●	X10060 ●	X11381 ●		
X213 ●	X1069 ●	X1258 ●	X10061 ●	X13021 ●		



SPLICE PANEL											
X441	•	X454	•	X1235	•	X10118	•	X13003	•	X13168	•
X442	•	X455	•	X1236	•	X10269	•	X13005	•	X13173	•
X443	•	X456	•	X1237	•	X10308	•	X13010	•	X13289	•
X444	•	X460	•	X1238	•	X10309	•	X13011	•	X13309	•
X445	•	X462	•	X1263	•	X10310	•	X13118	•		
X449	•	X475	•	X1387	•	X11291	•	X13127	•		
X450	•	X481	•	X1396	•	X11360	•	X13129	•		
X453	•	X1212	•	X1896	•	X13002	•	X13132	•		

- X461 •
- X805 •
- X1167 •
- X1234 •

- X428 •
- X1214 •
- X11268 •

- X1226 •
- X13007 •



SPLICE LOCATION VIEWS

ENGINE HARNESS

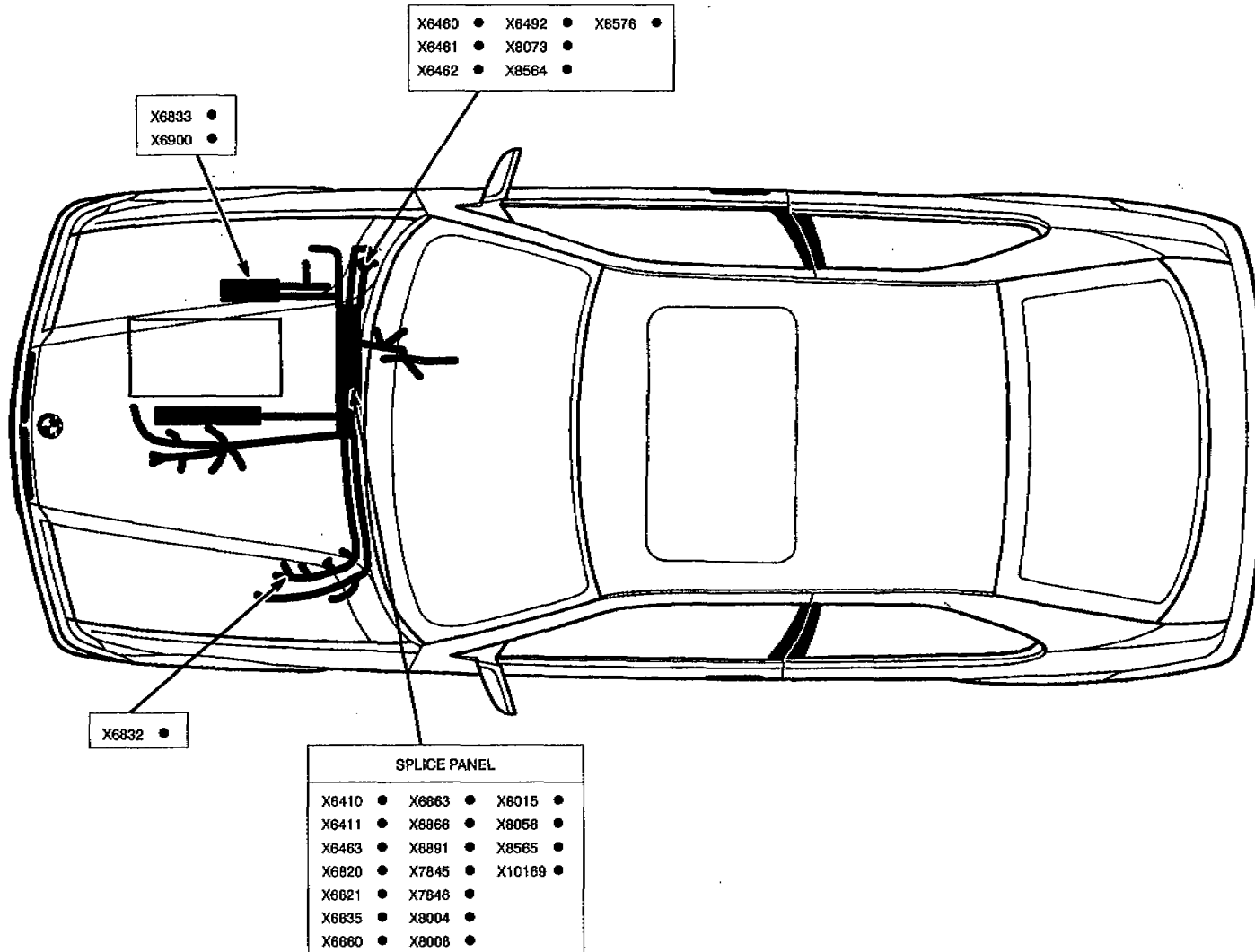


FIG. 1

B200003.02

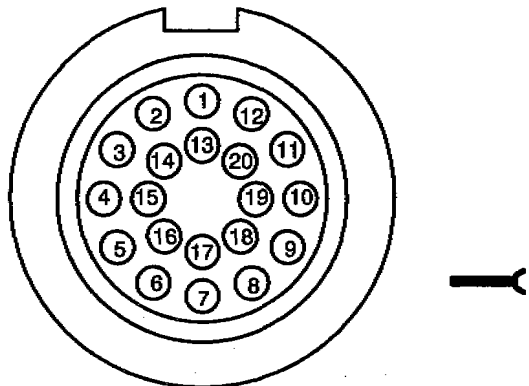


FIG. 2

B280005.01

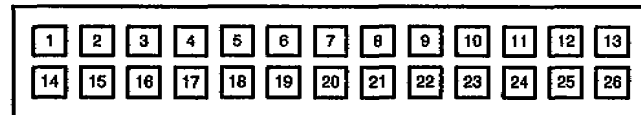


FIG. 3

B150003.00

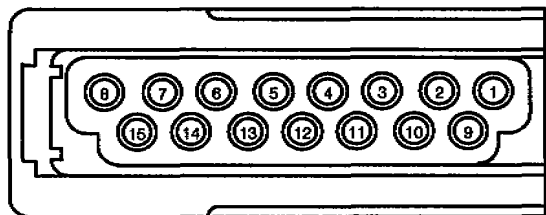
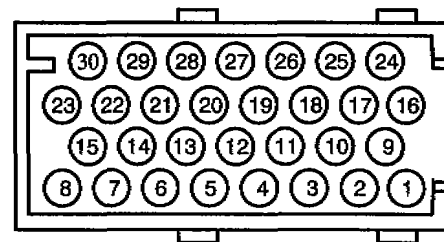


FIG. 4

B300001.00





CONNECTOR VIEWS

FIG. 1

B030024



FIG. 2

B060042

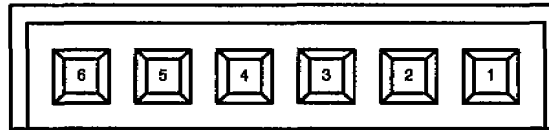


FIG. 3

B120001.00

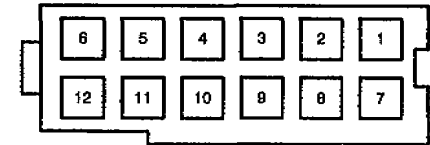


FIG. 4

B080002.00

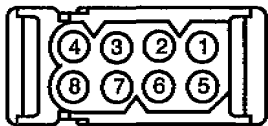


FIG. 5

B160000.00

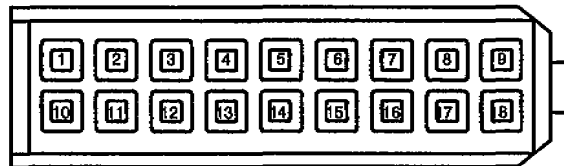


FIG. 6

B120015

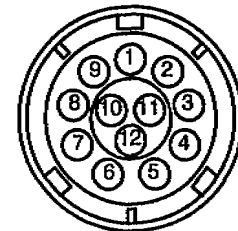


FIG. 1

B060046.00

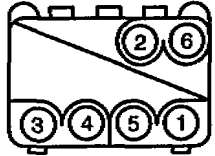


FIG. 2

B170001.00

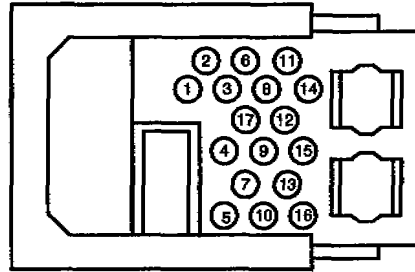


FIG. 3

B100008.00

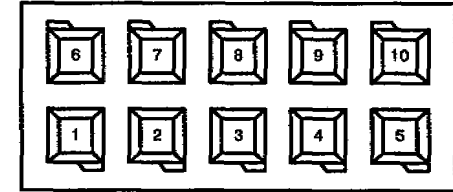


FIG. 4

B120004.01

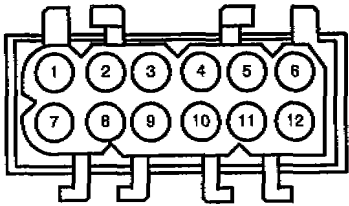


FIG. 5

B050005.00

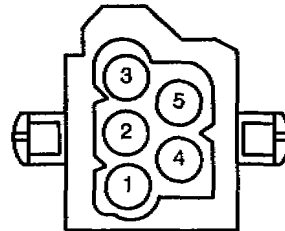


FIG. 6

B050003.00



CONNECTOR VIEWS

FIG. 1

B040004.00



FIG. 2

B030018.02

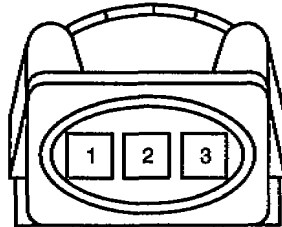


FIG. 3

B080001.00

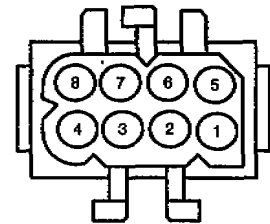


FIG. 4

B090002.00

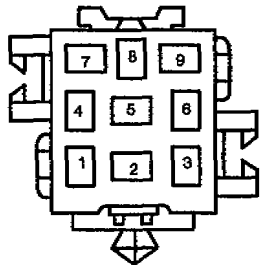


FIG. 5

B210002.00

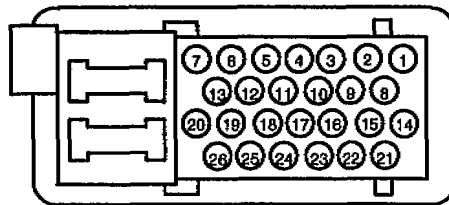


FIG. 6

B060001.02



FIG. 1

B500000.00

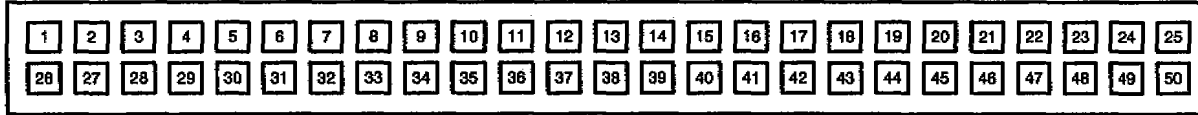


FIG. 2

B250001.01

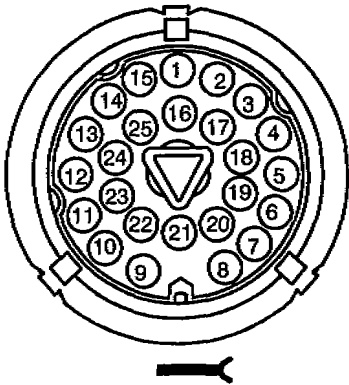


FIG. 3

B060019.02

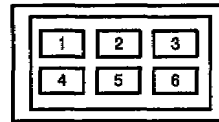
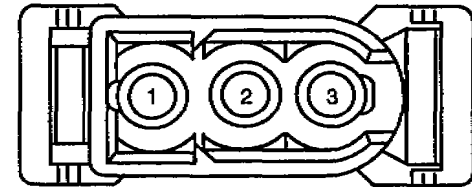


FIG. 4

B030029.00





CONNECTOR VIEWS

FIG. 1

B880001.00

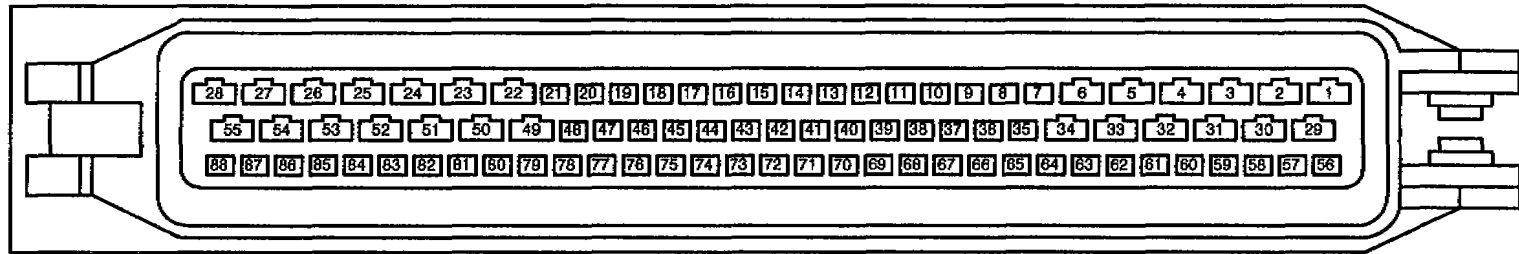


FIG. 2

B070013.00

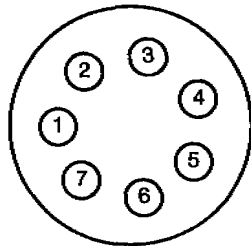


FIG. 3

B030006.00

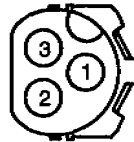


FIG. 4

B160002.00

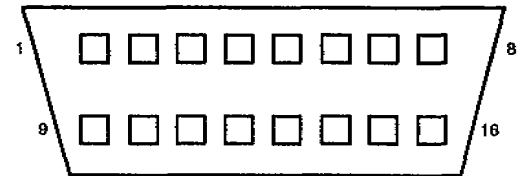


FIG. 1

B040023.03

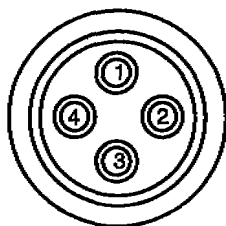


FIG. 2

B250004.00

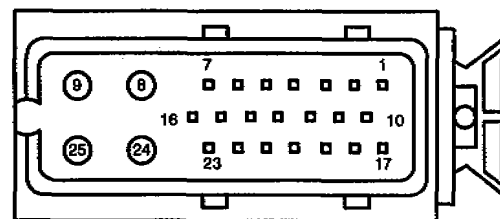


FIG. 3

B040029.01

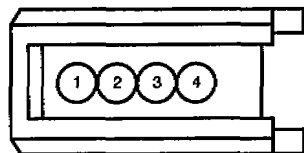


FIG. 4

B030025.00

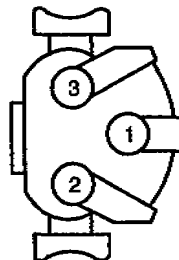
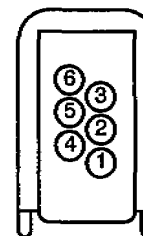


FIG. 5

B060041.00





CONNECTOR VIEWS

FIG. 1

B040026

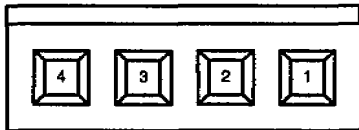


FIG. 2

B030036.01

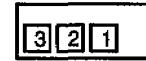


FIG. 3

B420000.00

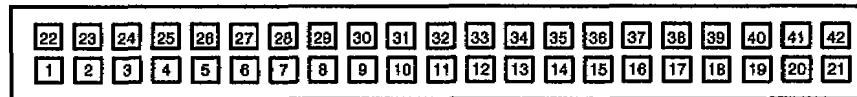


FIG. 1

B040027.00

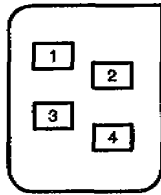


FIG. 2

B070012.00

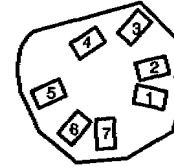


FIG. 3

B120002.02

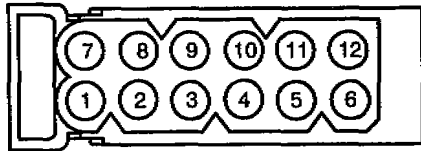


FIG. 4

B070005.00

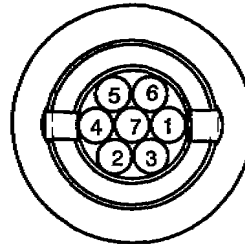
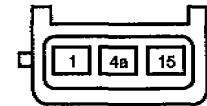


FIG. 5

B030015.08





CONNECTOR VIEWS

FIG. 1

B030042.00

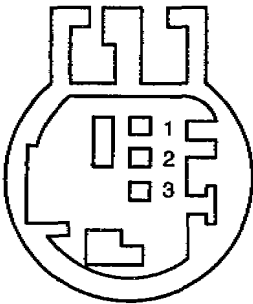


FIG. 2

B030022.00

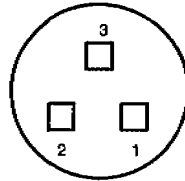


FIG. 3

B120006.00

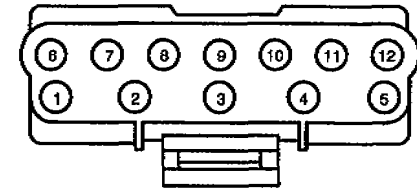


FIG. 4

B030004.01

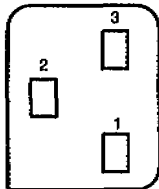
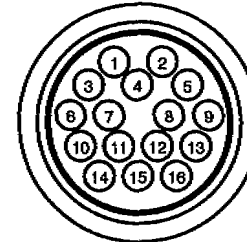


FIG. 5

B160001.00





8500.0-10