

1993

BMW

**318i, 318is, 325i,
325is (E36)**

Electrical

**Troubleshooting
Manual**

Vehicles Produced 09/92 to 08/93

PN 01 00 1 468 774



ELECTRICAL TROUBLESHOOTING MANUAL

3 SERIES – E36 (318i, 318is, 325i, 325is)

SCHEMATICS

MODEL YEAR 1993

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VEHICLE SPEED SENSOR, B10	6211.0-04
VOLUME AIR FLOW SENSOR, B6233	1210.9-05
WASHER FLUID LEVEL SWITCH, S64	6581.2-03
WASHER JET HEATER, LEFT, E51	6169.0-00
WASHER JET HEATER, RIGHT, E52	6169.0-00
WASHER PUMP, M4	6160.1-00
WASHER PUMP, M4	6160.1-02
WINDOW MOTOR, PASSENGER'S, M23	5133.1-01
WINDOW MOTOR, RIGHT REAR, M22	5133.1-03
WINDOW MOTOR, LEFT REAR, M20	5133.1-03



INDEX

WINDOW SWITCH, LEFT REAR, S41	5133.1-03
WINDOW RETRACTION DOOR HANDLE	
CONTACT SWITCH, PASSENGER'S, S180	5126.2-02
WINDOW RETRACTION DOOR HANDLE CONTACT	
SWITCH, DRIVER'S, S179	5126.2-02
WINDOW SWITCH, RIGHT REAR, S42	5133.1-03
WINDSHIELD WASHER JET HEATERS	6169.0-00
WIPER MOTOR, M3	6160.1-00
WIPER MOTOR RELAY, K53	6160.1-01
WIPER RELAY, K11	6160.1-01
WIPER/WASHER MODULE, A51	6160.1-02
WIPER/WASHER MODULE (LOW II), A64	6160.1-00
WIPER/WASHER MODULE (WWM)	6160.1-00

Schematics

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

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

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

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

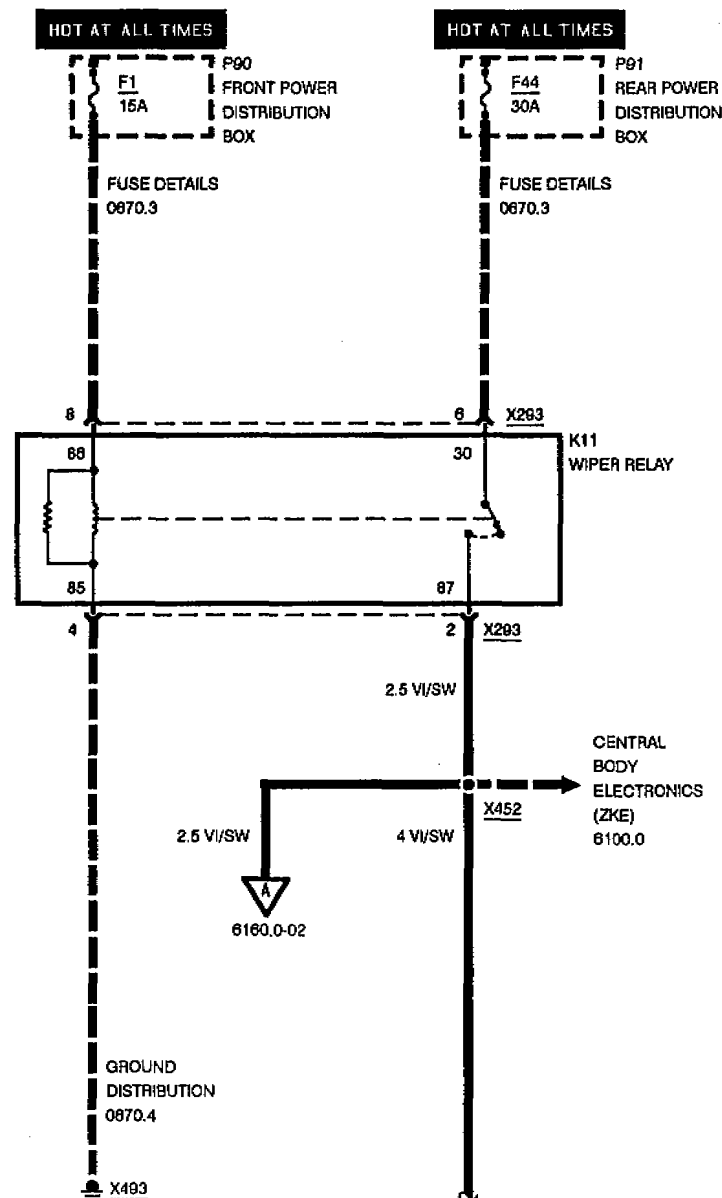
In cell **7000.0 Component Location Chart** all important connectors, ground points and components are listed in tabular form. It provides a precise description of the component locations in the vehicle.

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

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.

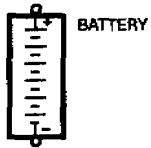




INTRODUCTION

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.



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



THERMO SWITCH



PERMANENT MAGNET MOTOR
TWO SPEEDS



LIGHT EMITTING DIODE



INDUCTIVE SENSOR



SOLENOID



KNOCK SENSOR



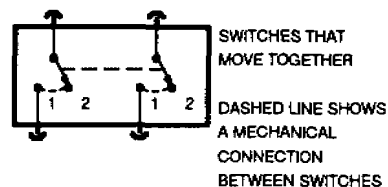
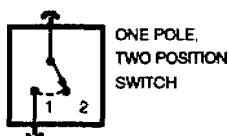
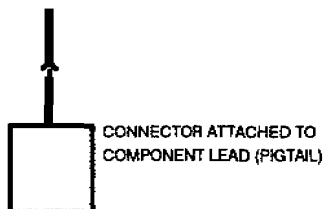
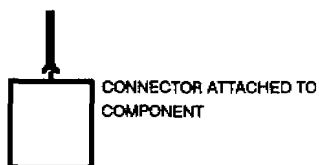
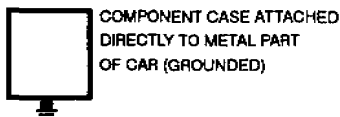
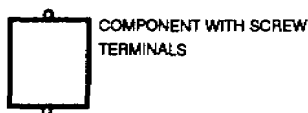
OXYGEN SENSOR



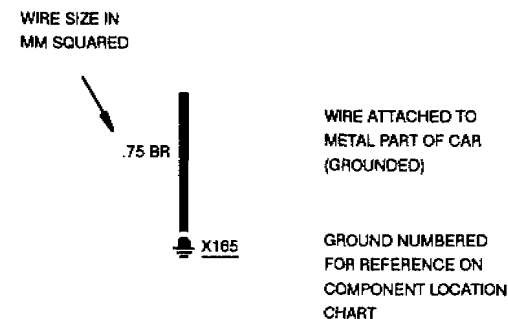
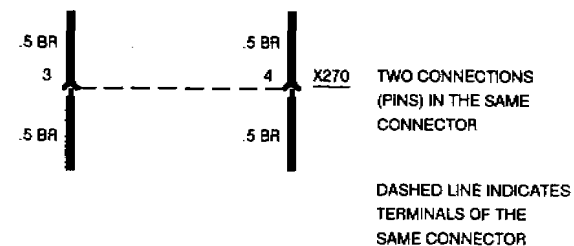
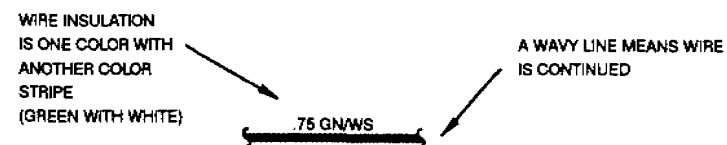
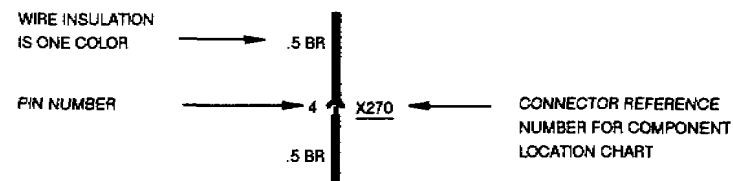
VEHICLE SPEED SENSOR

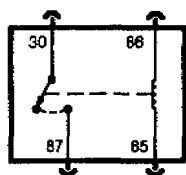


SOLENOID CONTROLLED VALVE
OR CLUTCH SOLENOID

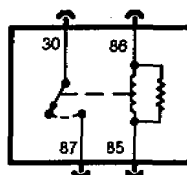


WIRE COLOR	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE
TR	TRANSPARENT

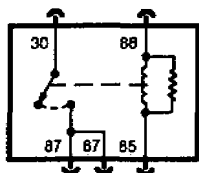




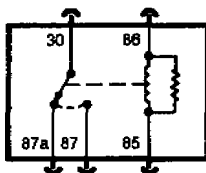
CONTACT RELAY



RELAY WITH RESISTOR
ACROSS WINDING



CONTACT RELAY WITH TWO
OUTPUTS



CHANGEOVER RELAY WITH
TWO OUTPUTS

TERMINAL NUMBER DESCRIPTION

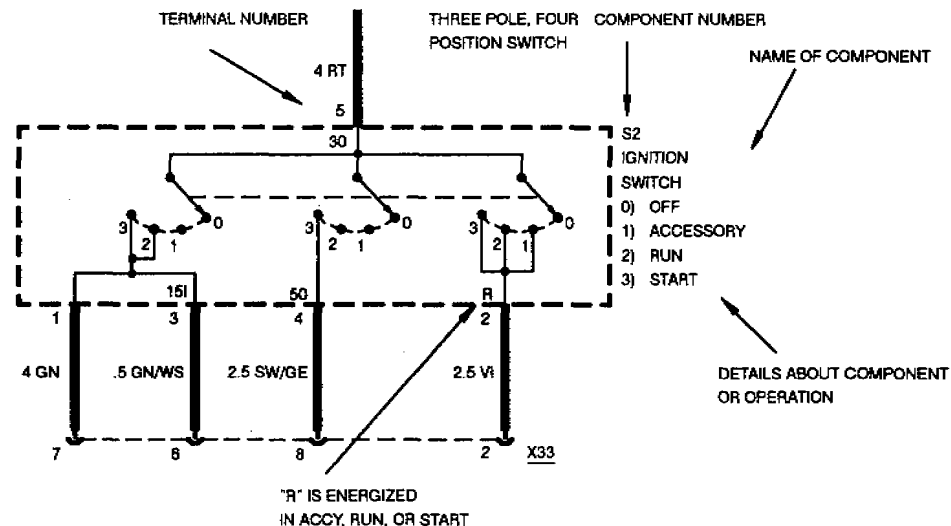
30 RELAY INPUT

85 RELAY OUTPUT (WINDING)

86 RELAY INPUT (WINDING)

87 RELAY OUTPUT (ENERGIZED)

87a RELAY OUTPUT (AT REST)



TERMINAL NUMBER DESCRIPTION

50 VOLTAGE: IGNITION
SWITCH IN START

30 VOLTAGE: SUPPLIED
AT ALL TIMES

15 VOLTAGE: IGNITION
SWITCH IN RUN OR START

TERMINAL NUMBER DESCRIPTION

15I VOLTAGE: IGNITION
SWITCH IN RUN

R VOLTAGE: IGNITION
SWITCH IN ACCESSORY,
RUN OR START
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

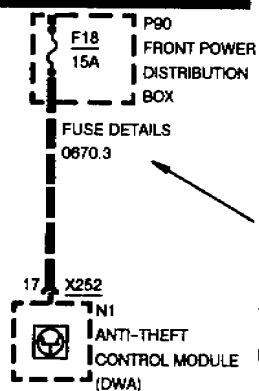
DESCRIPTION

VOLTAGE: SUPPLIED
AT ALL TIMES

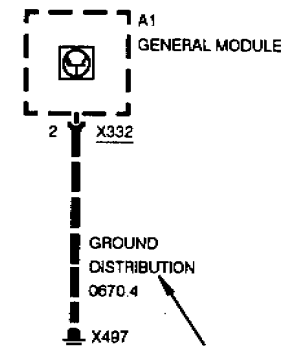
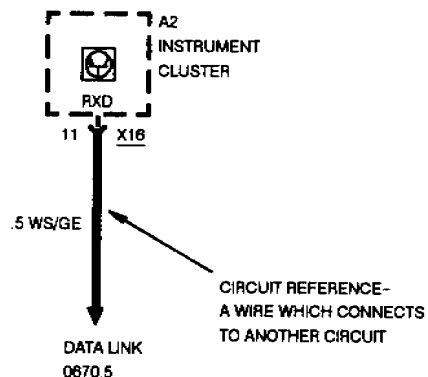
VOLTAGE: IGNITION
SWITCH IN RUN OR START

VOLTAGE: IGNITION
SWITCH IN ACCESSORY,
RUN OR START

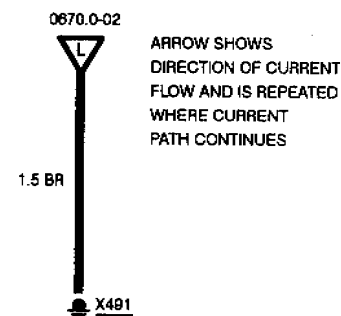
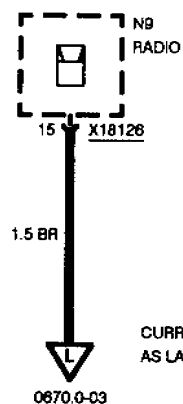
HOT IN ACCY, RUN AND START



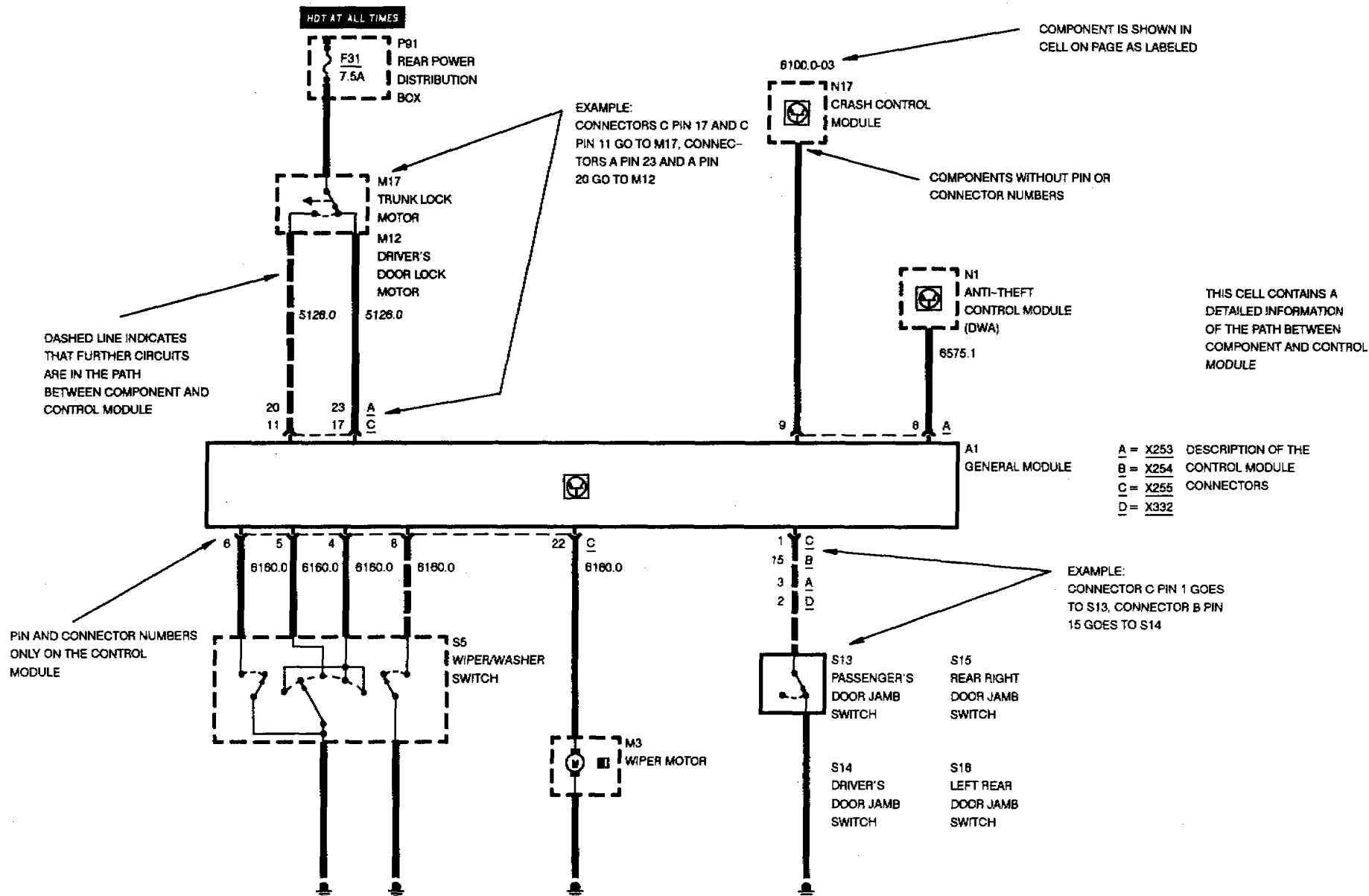
THE COMPLETE WIRE
PROGRESSION AND FURTHER
CIRCUITS CONNECTED TO
FUSE 18 ARE SHOWN IN CELL
"0670.3 FUSE DETAILS" AT
FUSE 18



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



SYMBOLS BLOCK DIAGRAM



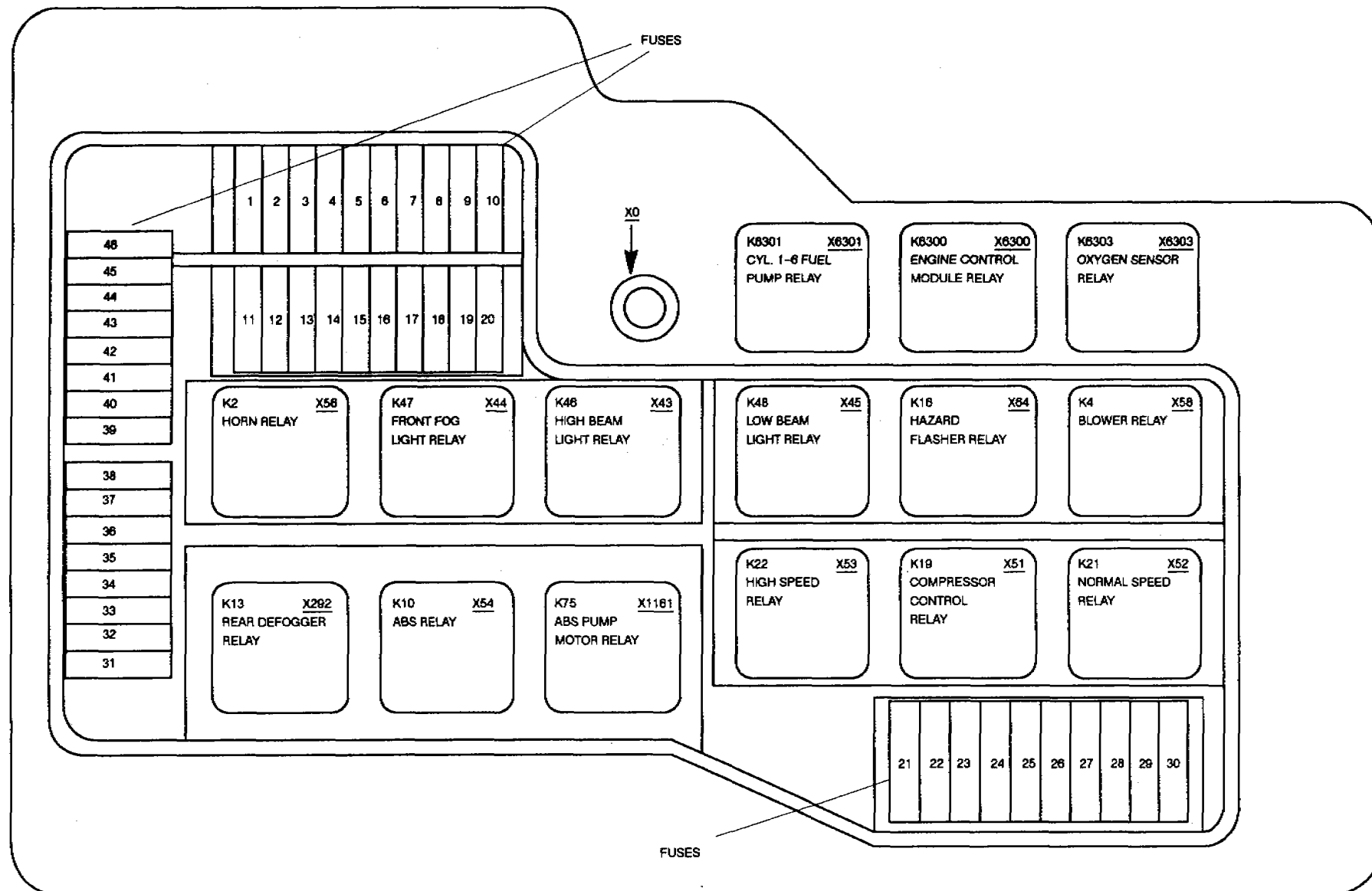


0670.0



POWER DISTRIBUTION CHART

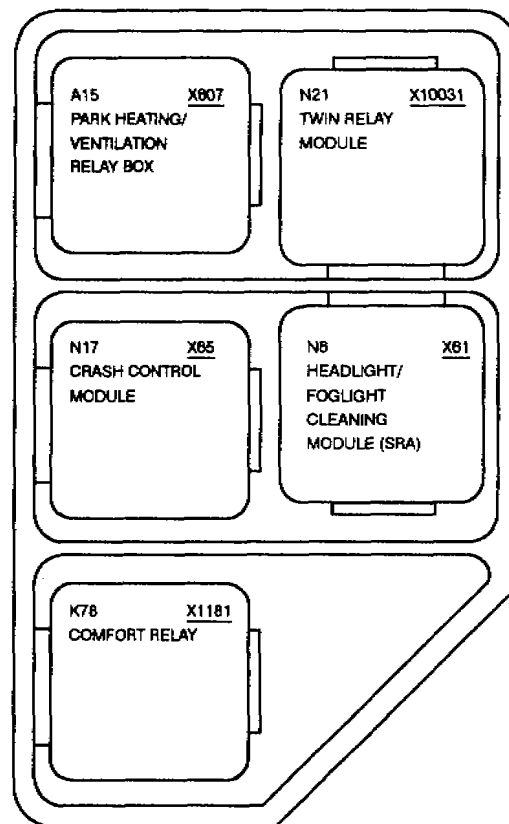
FRONT POWER DISTRIBUTION BOX





POWER DISTRIBUTION CHART

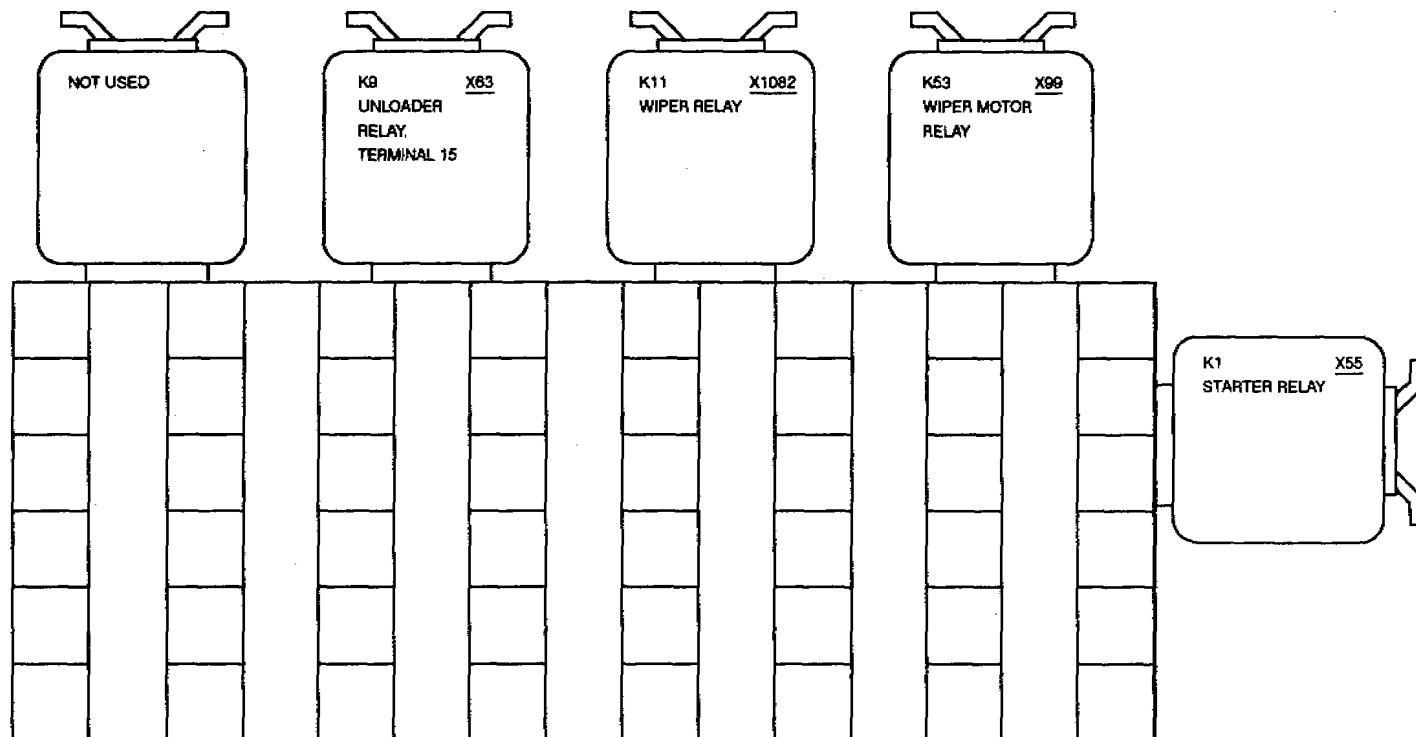
RELAY PANEL UNDER LH SIDE OF DASHBOARD





POWER DISTRIBUTION CHART

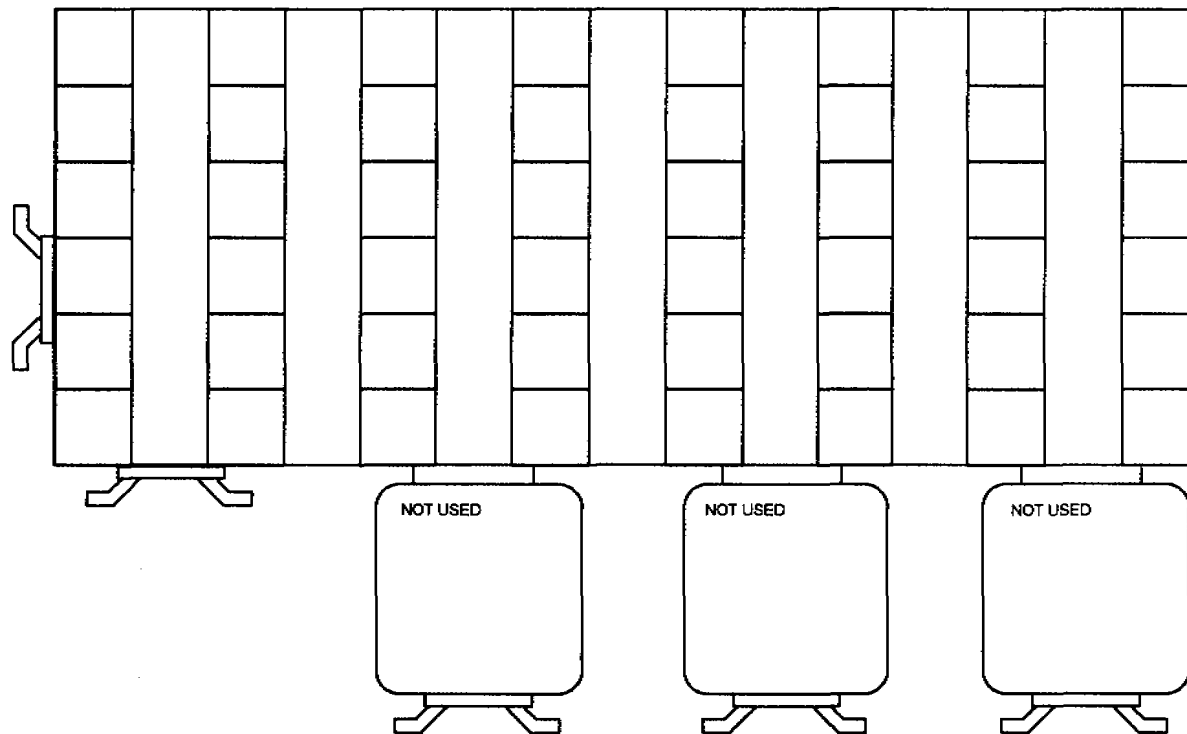
SPLICE PANEL UNDER LH SIDE OF DASHBOARD





POWER DISTRIBUTION CHART

SPLICE PANEL UNDER RH SIDE OF DASHBOARD





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		30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A		30A	5A	5A	10A	15A		30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
1210.9	ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)																•		•										•	
1210.13	ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)																•		•										•	
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)										•											•						•		
5116.0	POWER MIRRORS																								•					
5126.2	CENTRAL LOCKING MODULE II (ZVM II)							•																						
5133.1	POWER WINDOWS (FH)														•															
5200.0	POWER SEATS					•																								
5203.0	HEATED SEATS			•																			•							
5410.1	POWER SUN ROOF (SHD)	•			•																									
6133.0	HORN							•																						
6160.1	WIPER/WASHER MODULE (WWM)																													
6167.1	HEADLIGHT WASHER (SRA)			•																										
6169.0	WINDSHIELD WASHER JET HEATERS																								•					
6211.0	INSTRUMENT CLUSTER																							•				•		
6213.2	MULTI-FUNCTION CLOCK																							•				•		



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		30A 15A	30A 20A	5A 15A	20A 30A	7.5A 7.5A		30A 15A	5A 10A	15A		30A 15A	5A 10A	15A		30A 5A	5A 5A	5A 10A	5A 10A	5A 5A	7.5A							
6300.0 LIGHT SWITCH DETAILS																													
6312.0 HEADLIGHTS/ FOG LIGHTS																													
6313.0 TURN/HAZARD LIGHTS																													
6314.0 PARK/TAIL LIGHTS																													
6320.0 LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS																													
6322.0 BACK UP LIGHTS																													
6325.0 BRAKE LIGHTS																													
6330.3 INTERIOR LIGHTS																													
6332.1 GLOVE BOX LIGHT/CASSETTE BOX/ASHTRAY LIGHT/ CHARGING SOCKET/CIGAR LIGHTER																													
6350.0 CRASH CONTROL MODULE																													
6412.5 PARK VENTILATION WITH IHKR																													
6424.0 REAR WINDOW DEFOGGER																													
6450.4 INTEGRATED CLIMATE REGULATION (IHKR E36)																													
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)																													
6581.2 ON-BOARD COMPUTER (BC V)																													



FUSE CHART

FUSE 30 TO 46

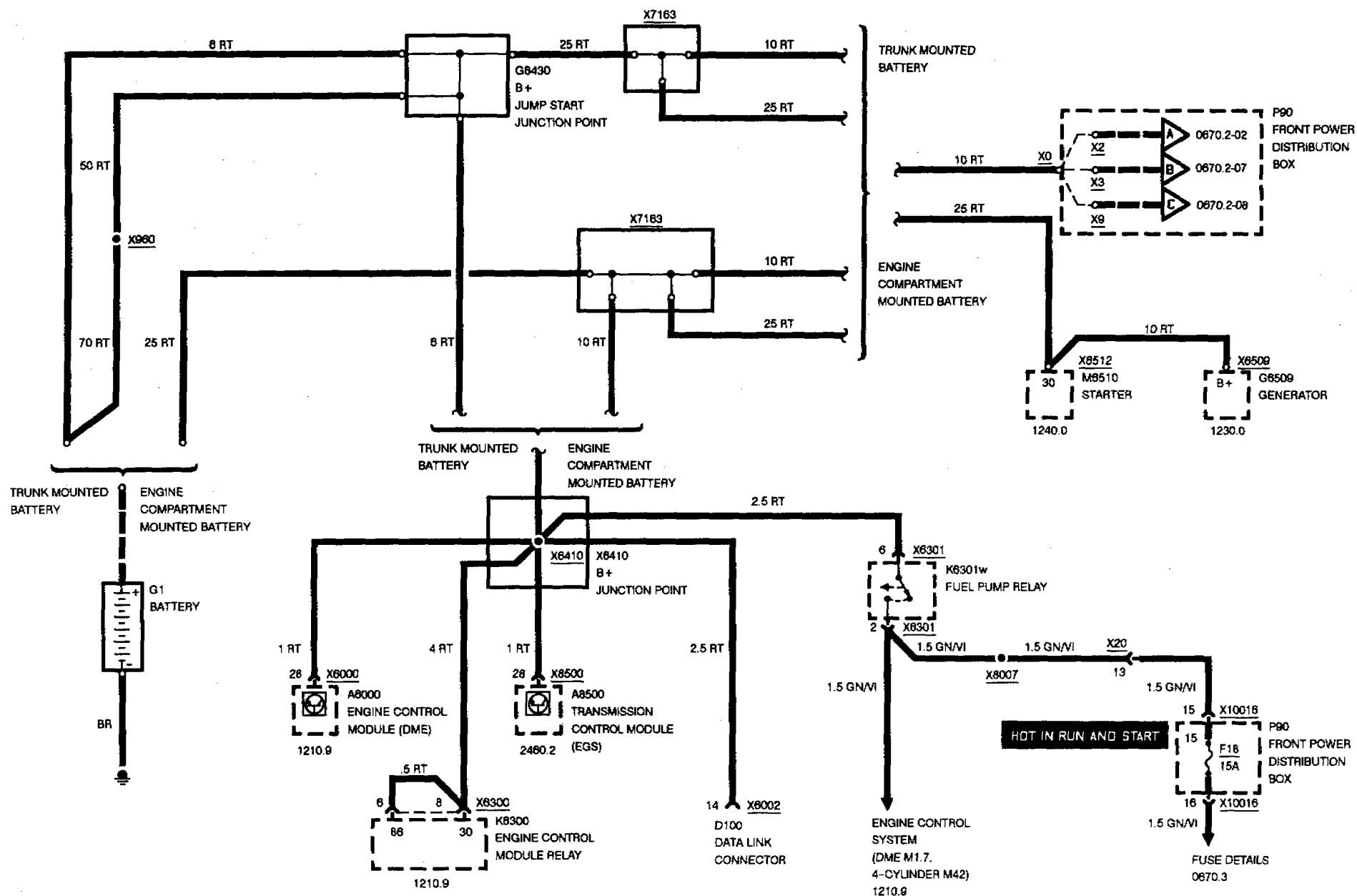
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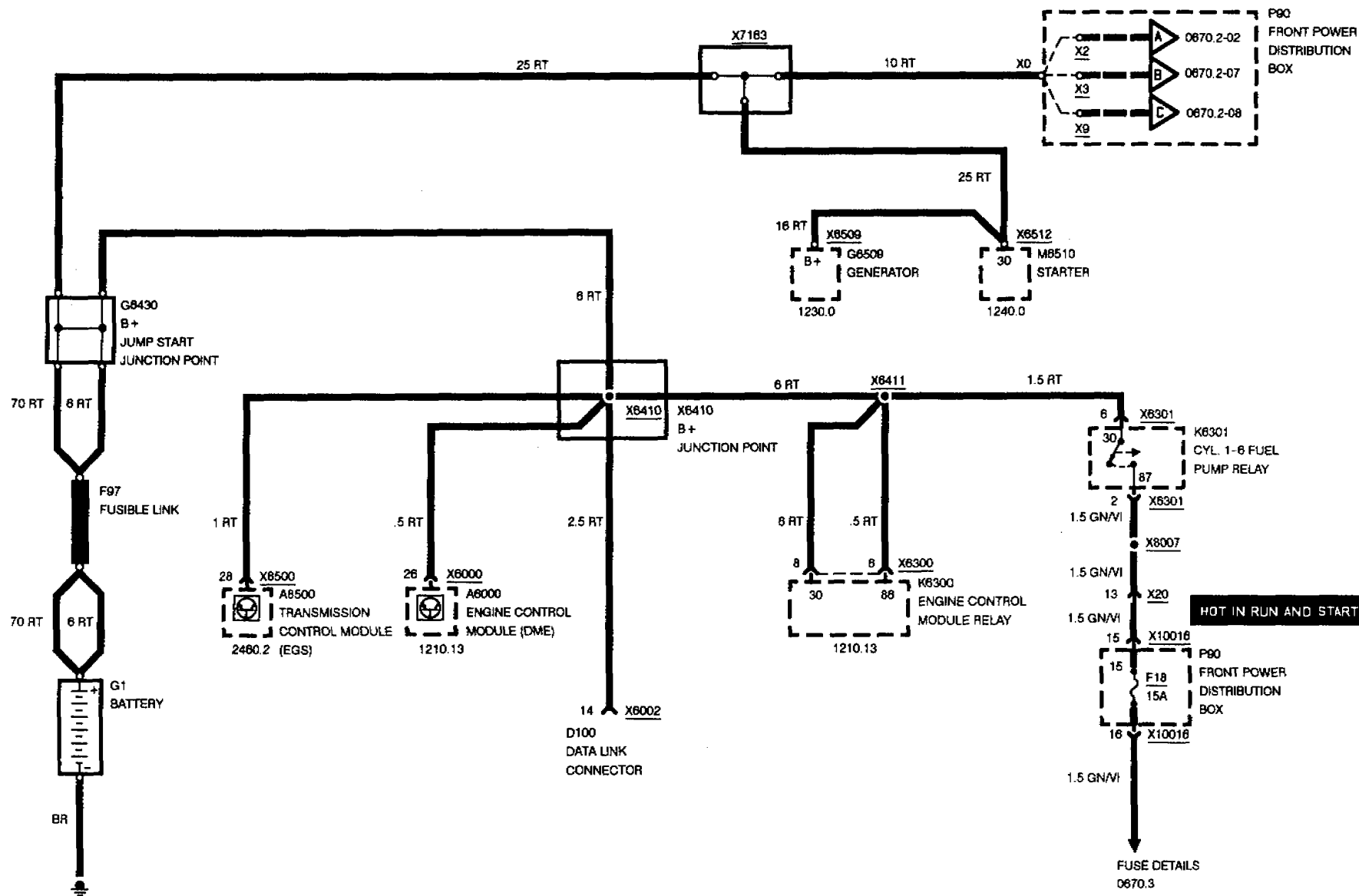


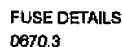
FUSE CHART

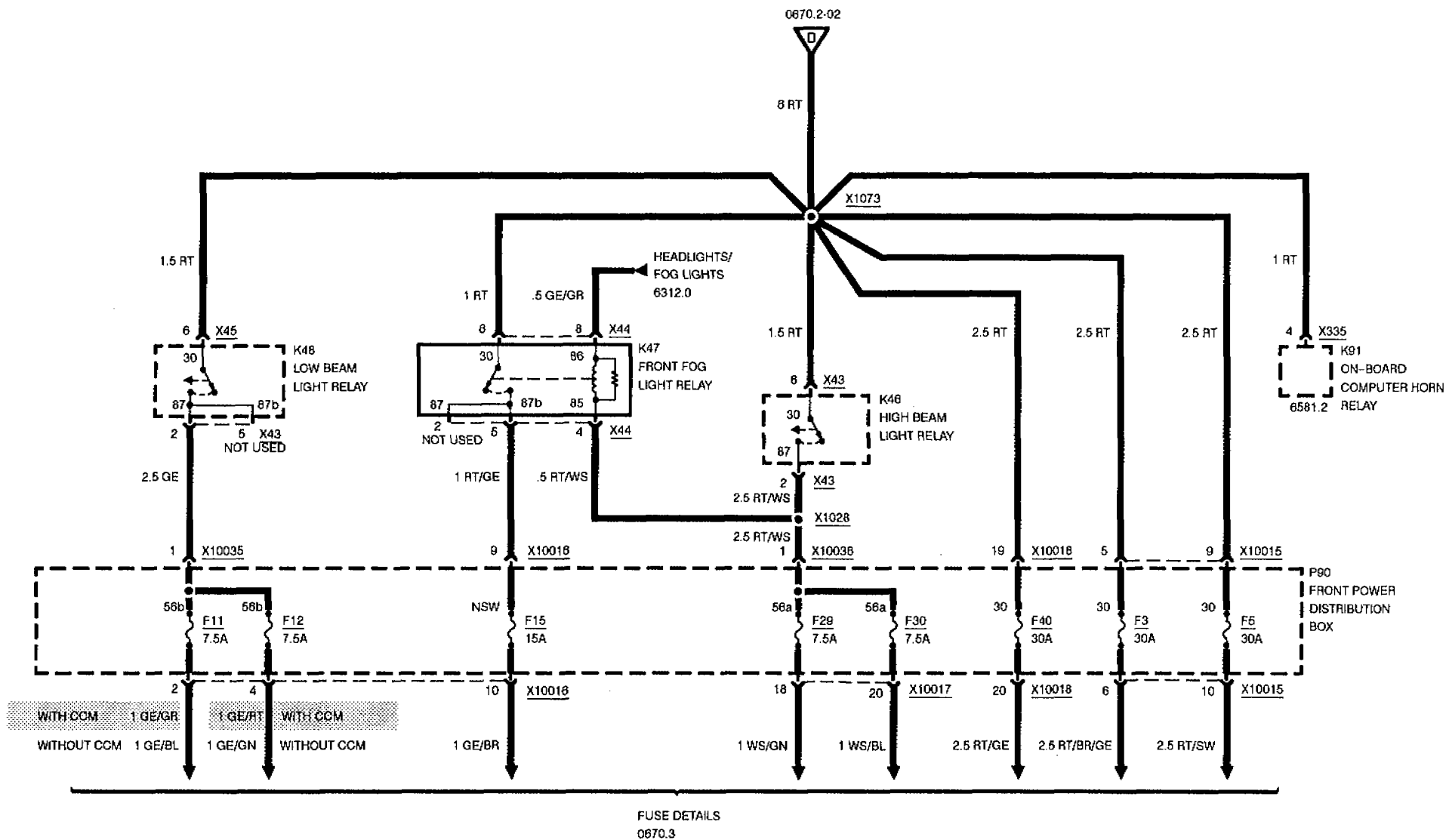
FUSE 30 TO 46

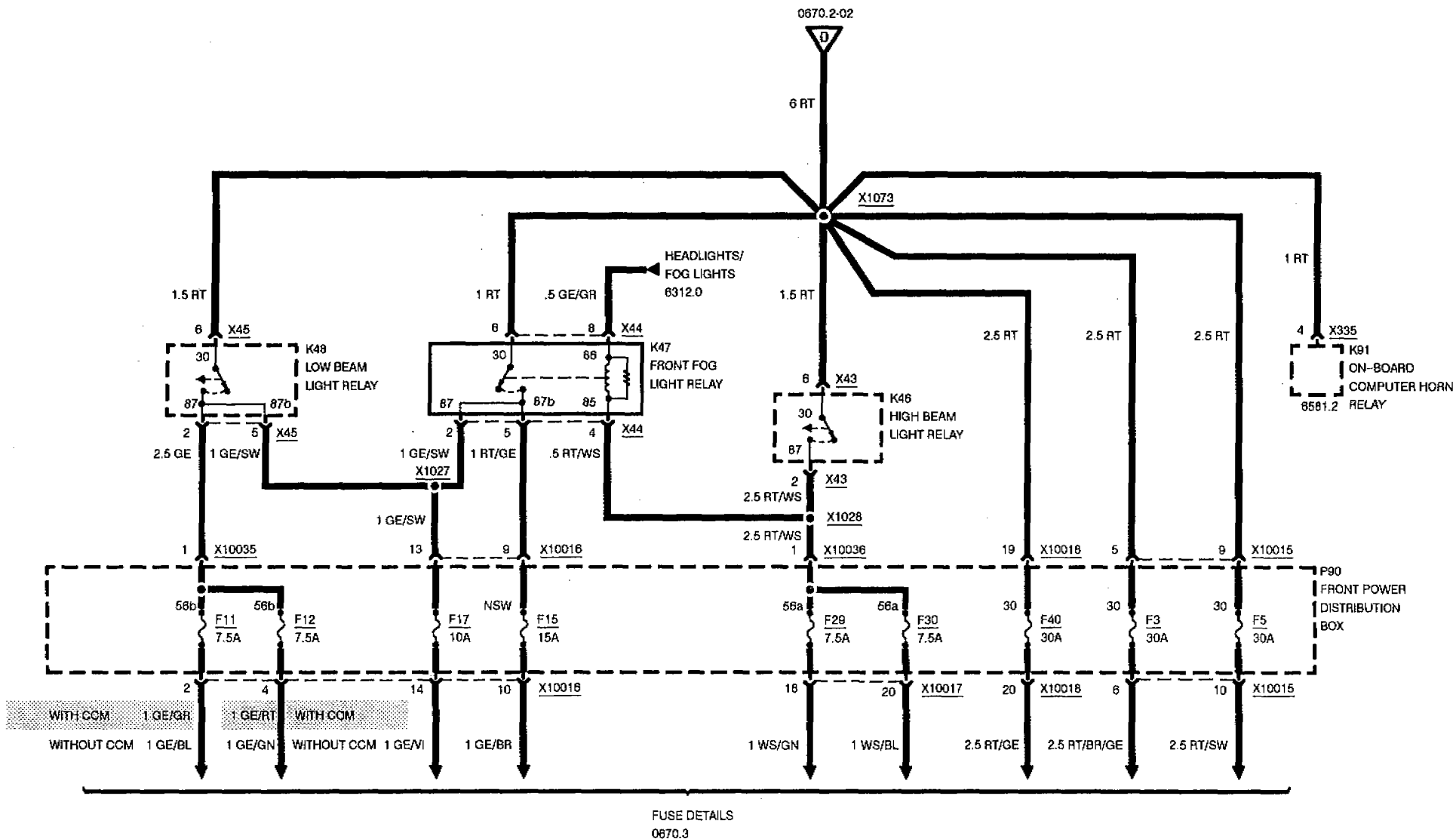
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		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	30A		5A	15A	7.5A	15A
6300.0	LIGHT SWITCH DETAILS				●				●									
6312.0	HEADLIGHTS/ FOG LIGHTS	●																
6313.0	TURN/HAZARD LIGHTS					●												
6314.0	PARK/TAIL LIGHTS				●				●									
6320.0	LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS				●				●									
6322.0	BACK UP LIGHTS																	
6325.0	BRAKE LIGHTS																●	
6330.3	INTERIOR LIGHTS				●										●			
6332.1	GLOVE BOX LIGHT/CASSETTE BOX/ASHTRAY LIGHT/ CHARGING SOCKET/CIGAR LIGHTER			●	●				●							●		
6350.0	CRASH CONTROL MODULE					●												
6412.5	PARK VENTILATION WITH IHKR																	
6424.0	REAR WINDOW DEFOGGER																	
6450.4	INTEGRATED CLIMATE REGULATION (IHKR E36)		●						●		●		●					
6510.0	RADIO/ CD PLAYER (PROVISIONS)															●		
6510.1	RADIO/HIFI															●		
6561.0	CELLULAR TELEPHONE (PROVISIONS)				●										●			
6571.0	CRUISE CONTROL (TEMPOMAT)																●	
6574.2	ANTI-THEFT SYSTEM (ALPINE)															●		
6581.2	ON-BOARD COMPUTER (BC V)		●		●				●								●	●

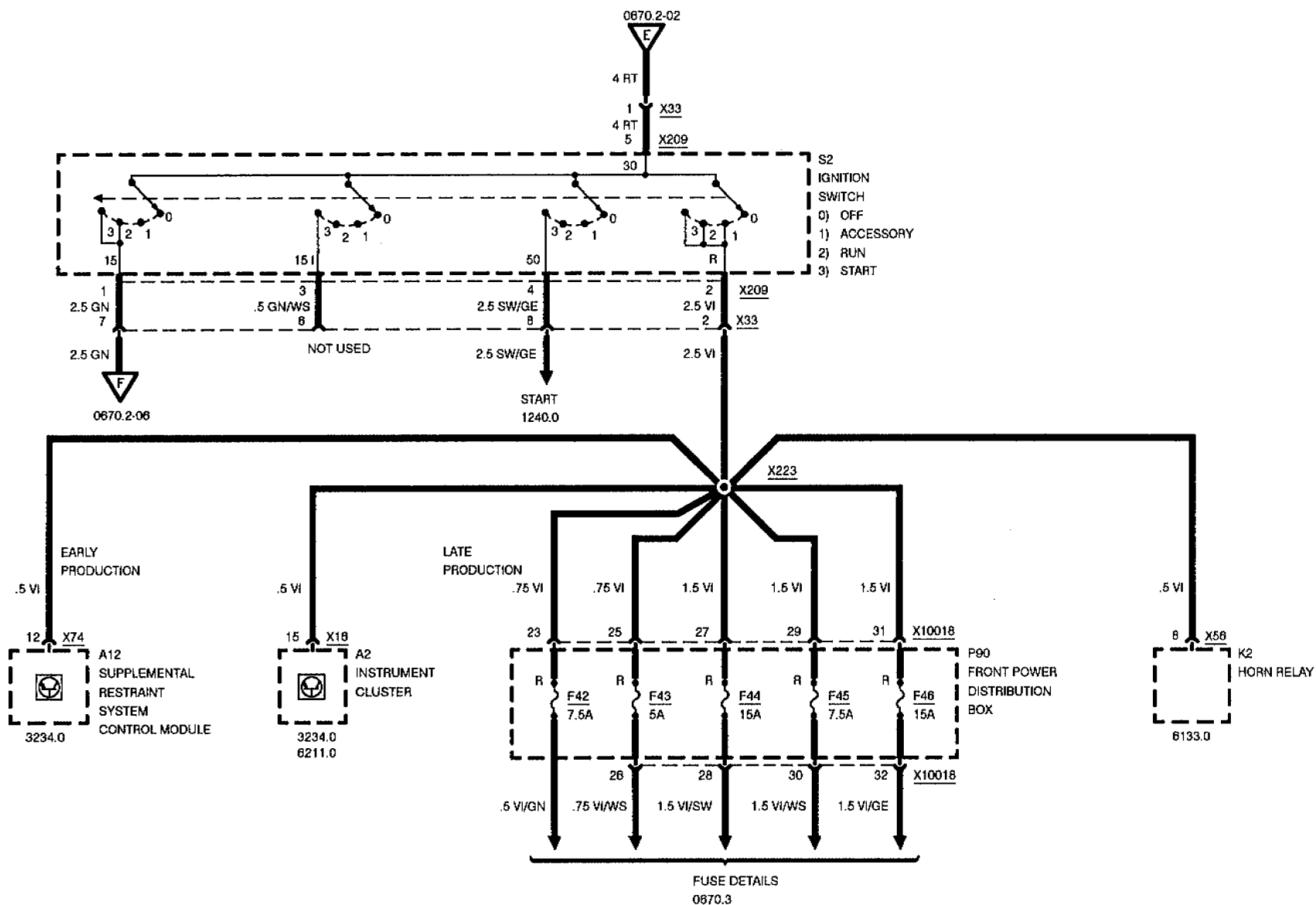


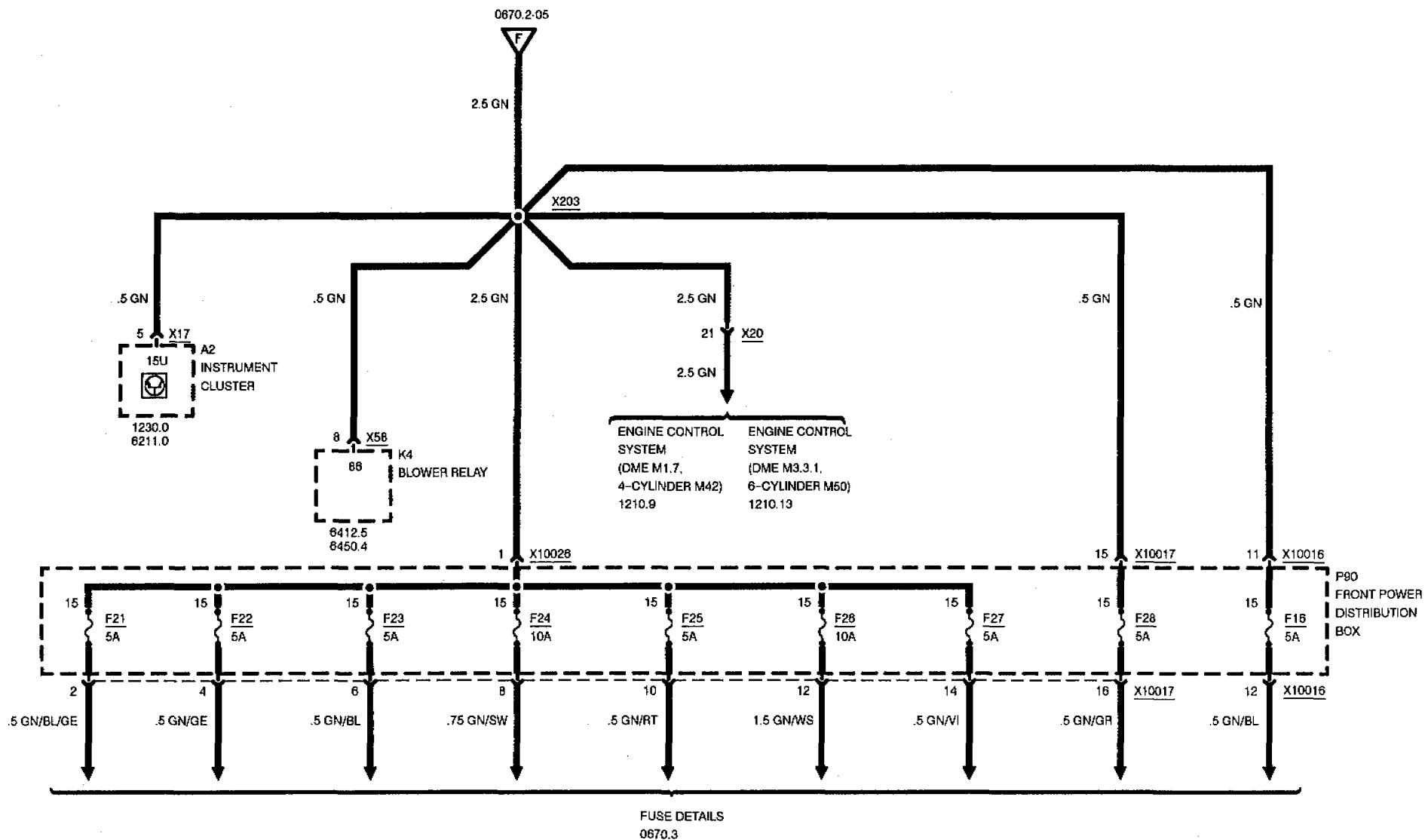




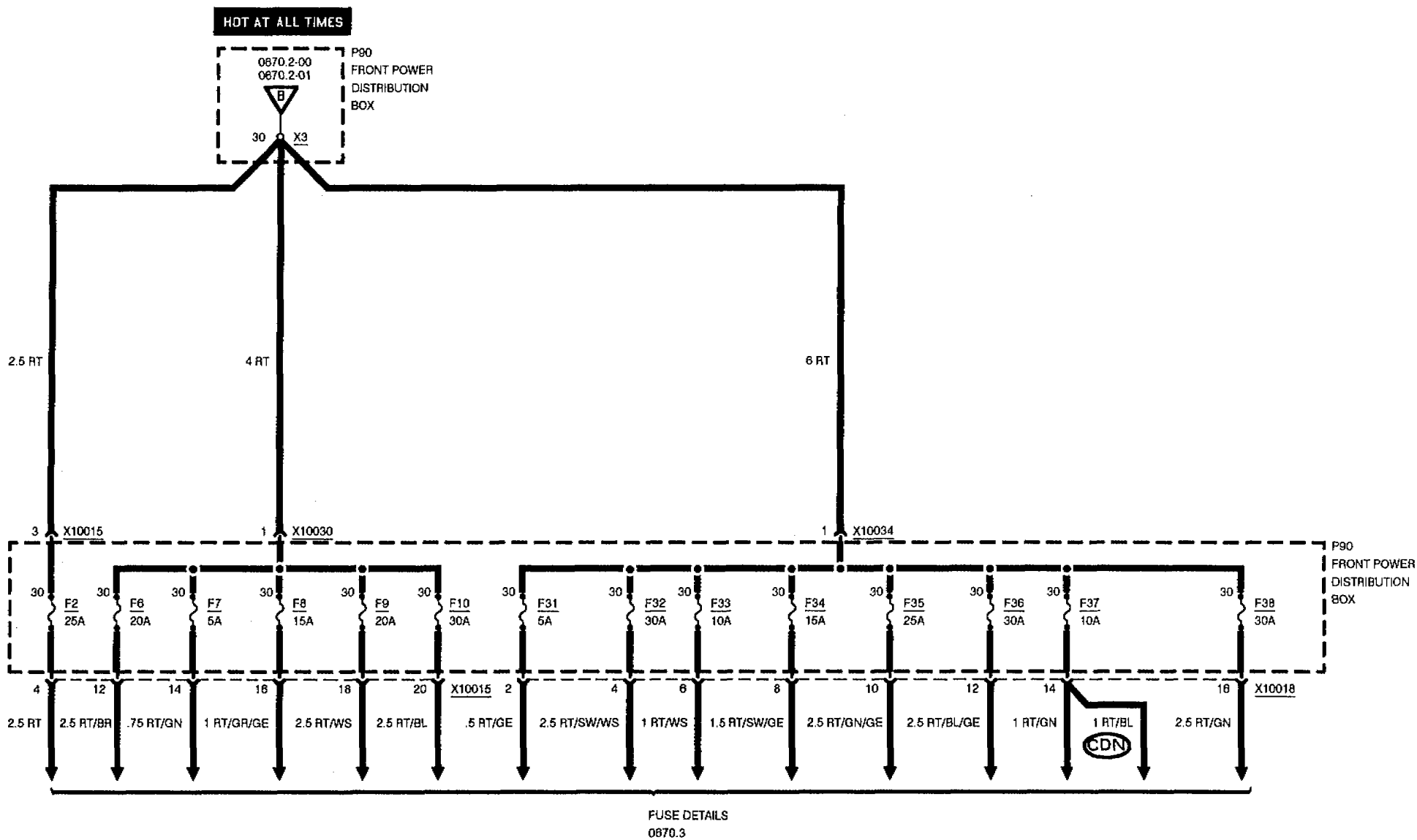


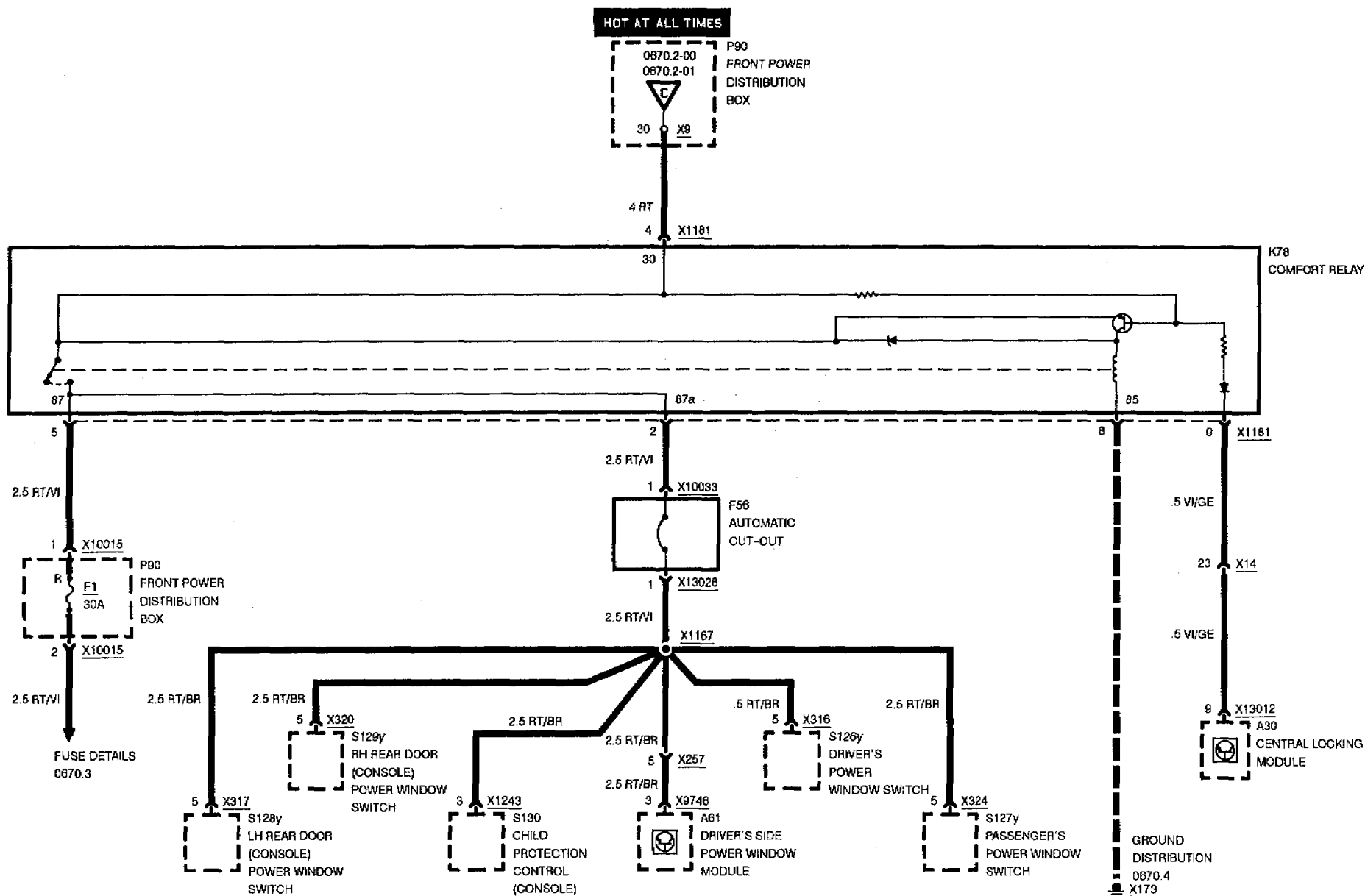






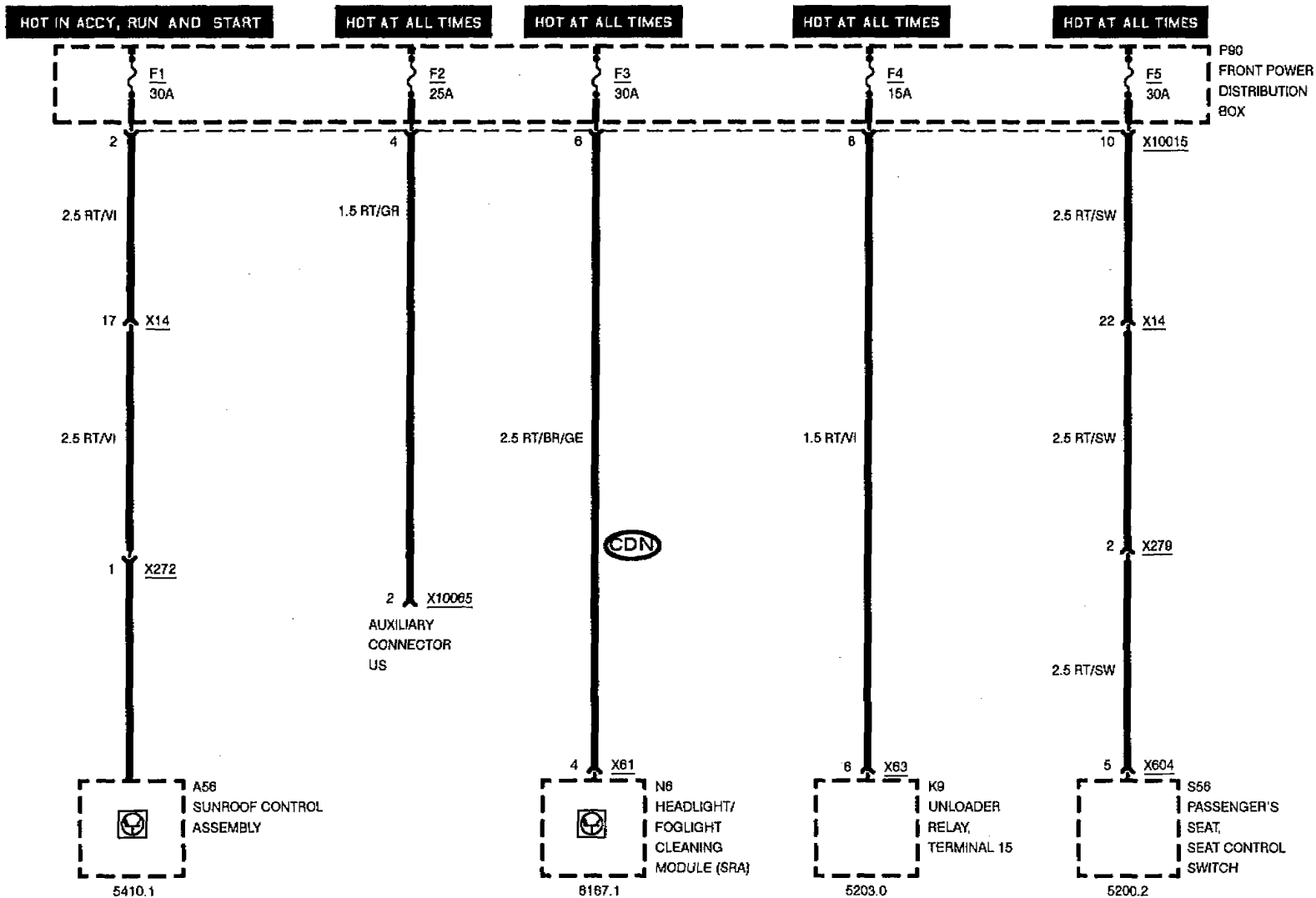
POWER DISTRIBUTION





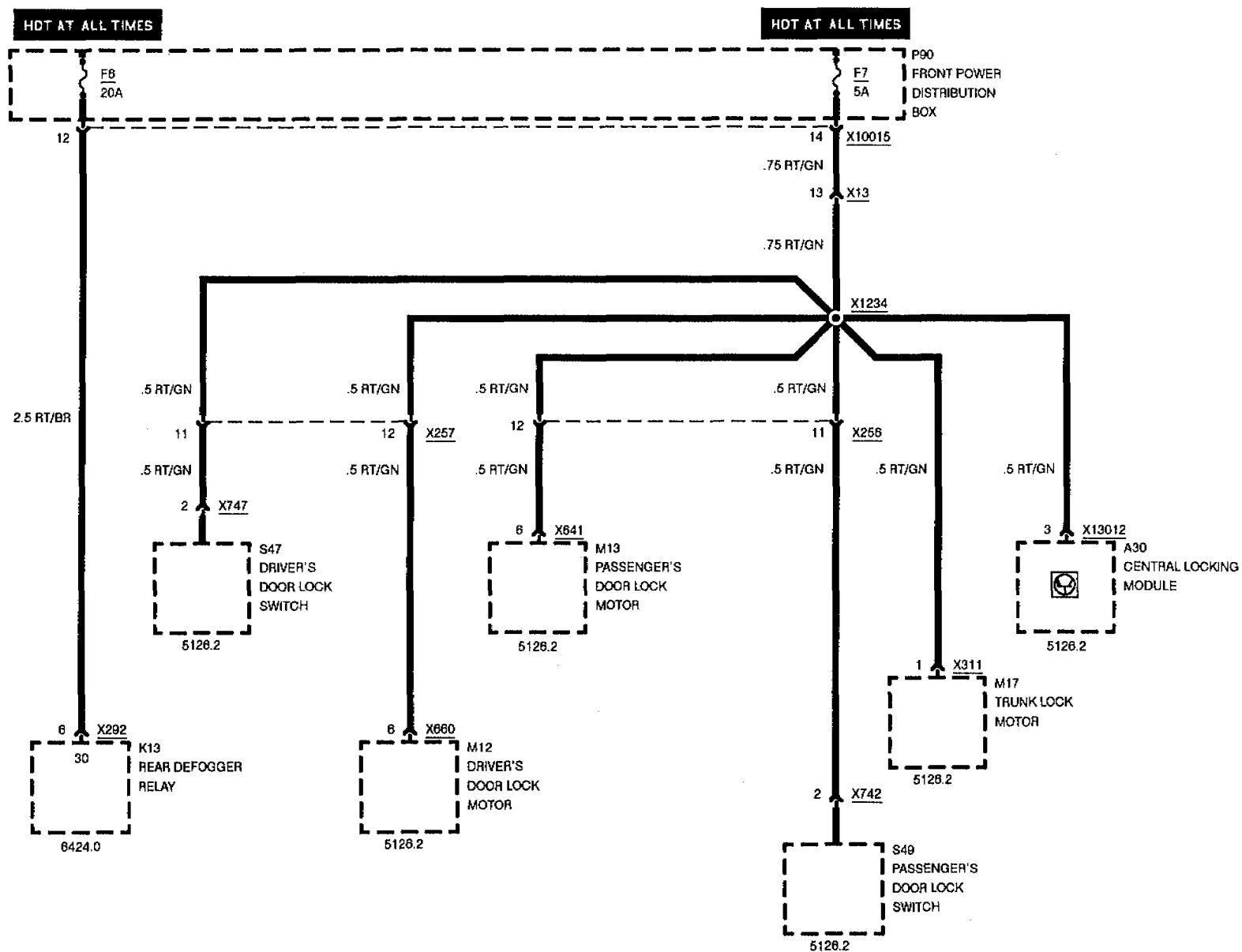


BMW 3 FUSE DETAILS
FUSES 1, 2, 3, 4, AND 5



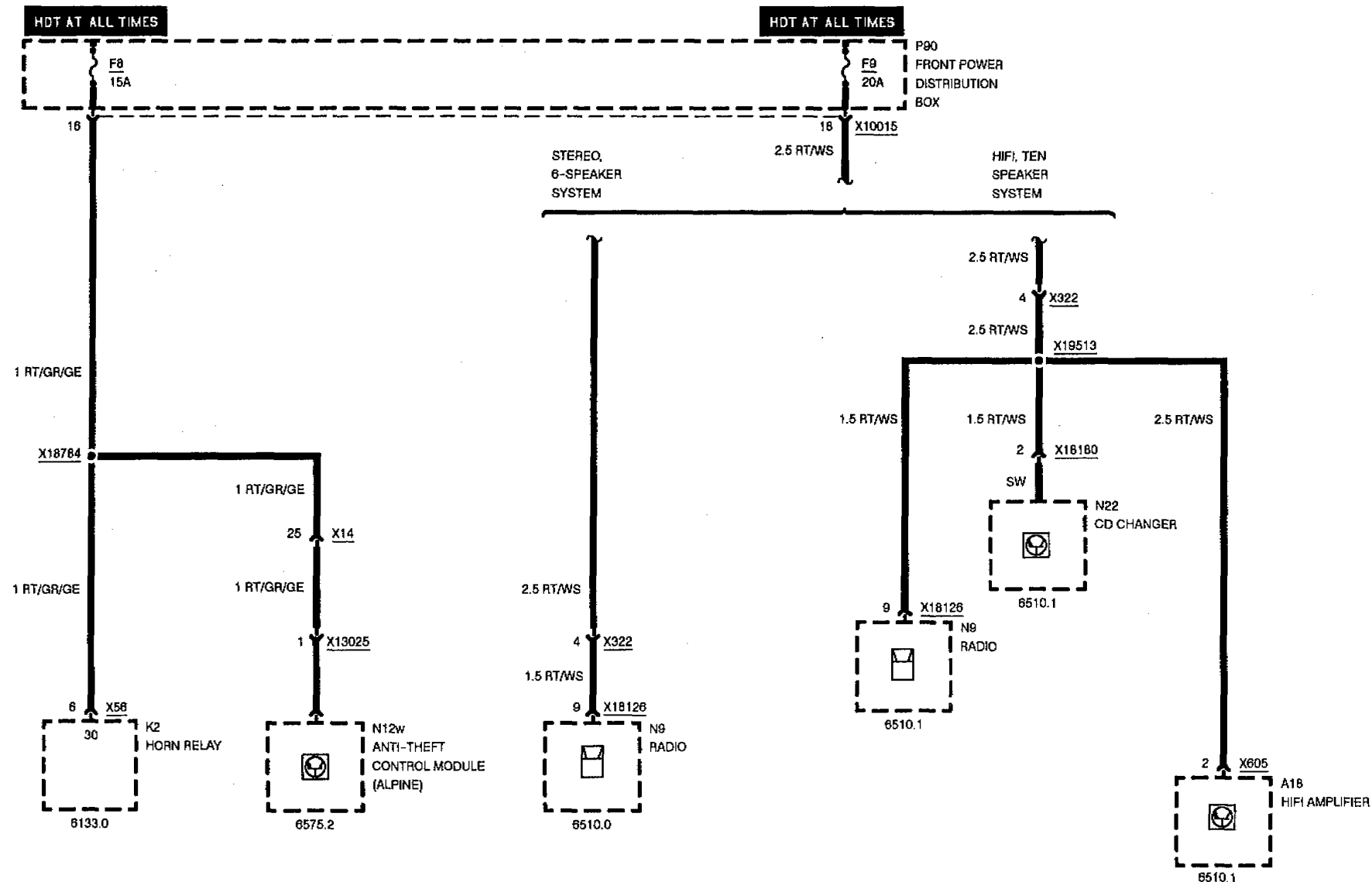
FUSE DETAILS

FUSES 6 AND 7

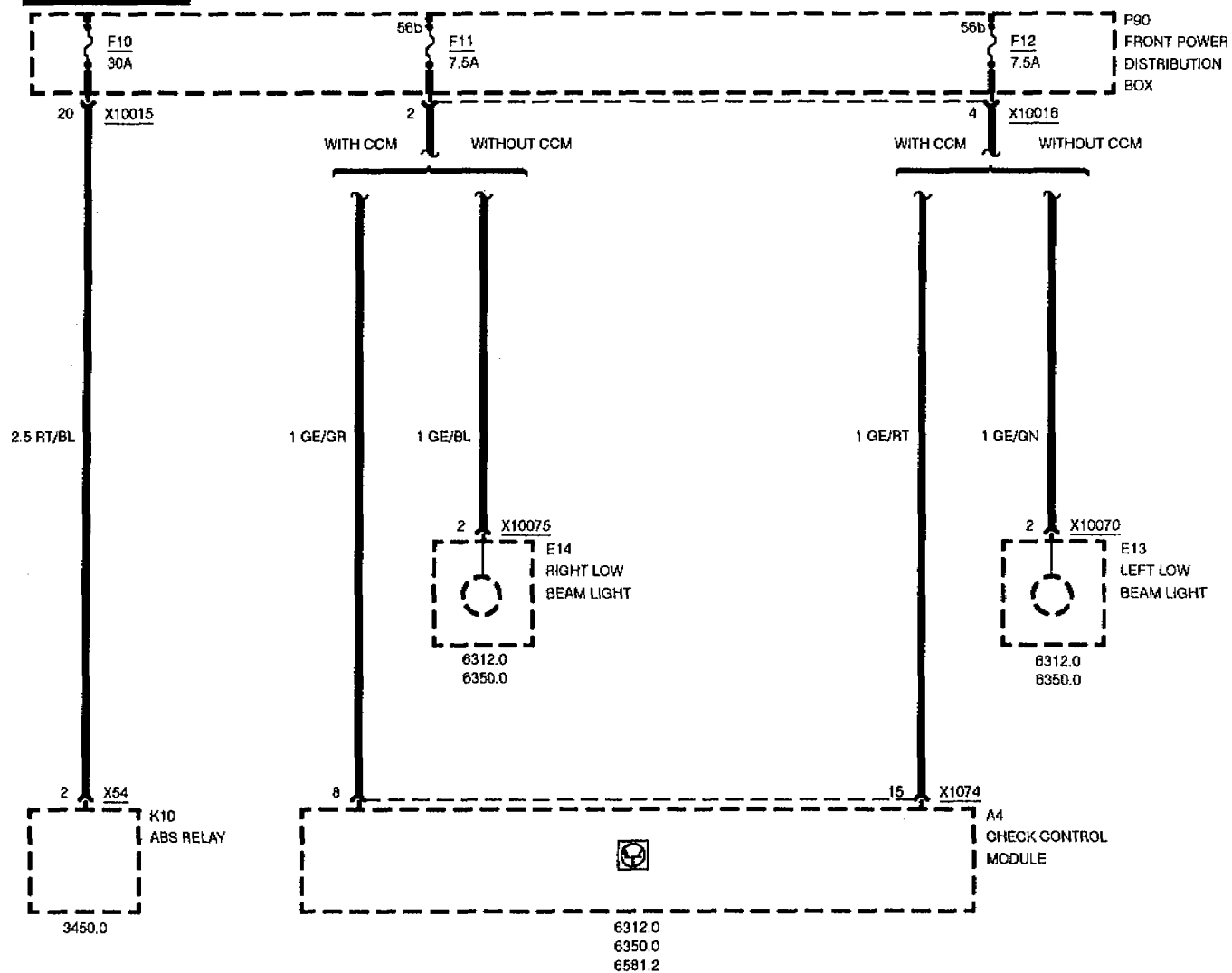


FUSE DETAILS

FUSES 8 AND 9



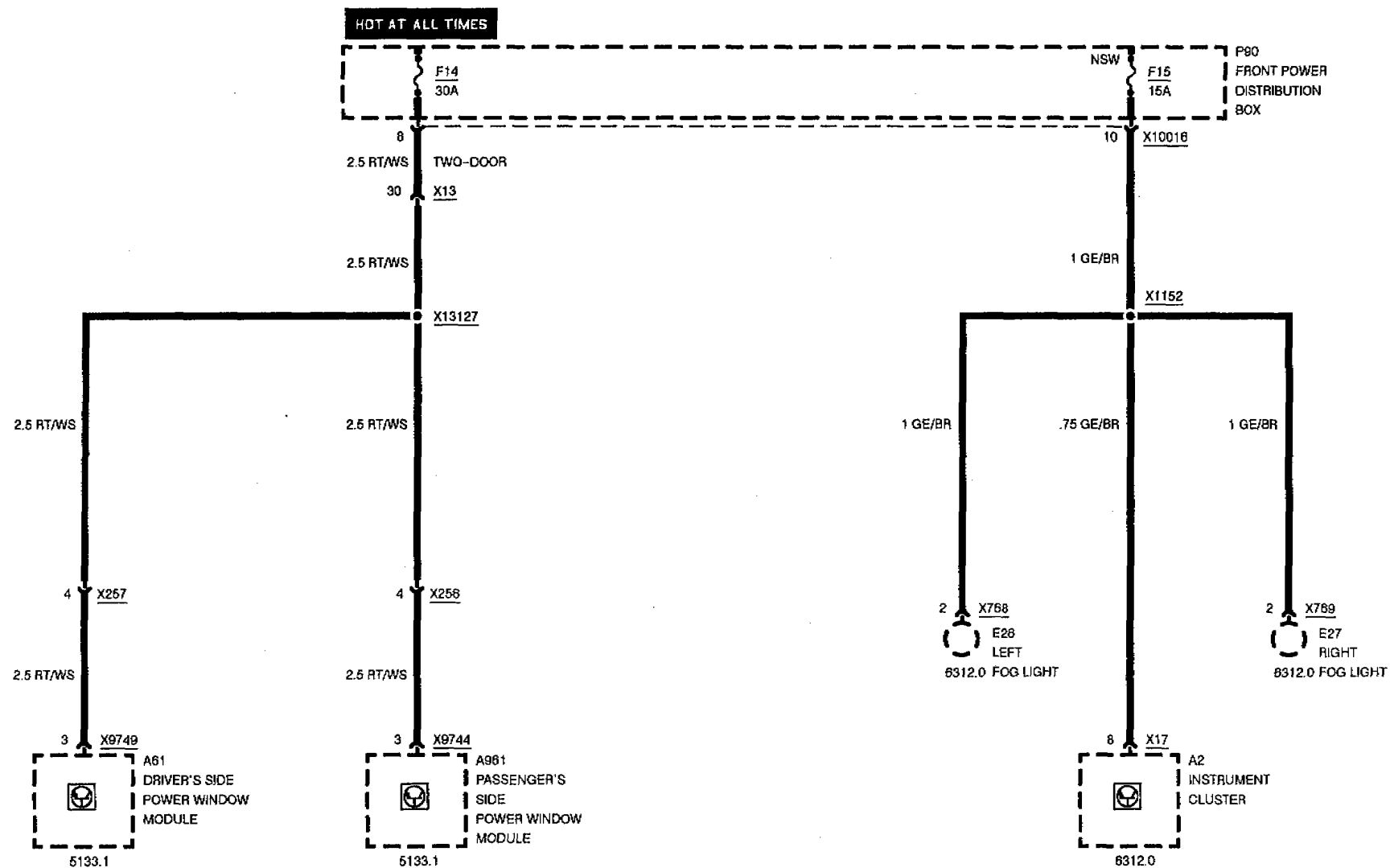
HOT AT ALL TIMES





FUSE DETAILS

FUSES 14 AND 15



09/92

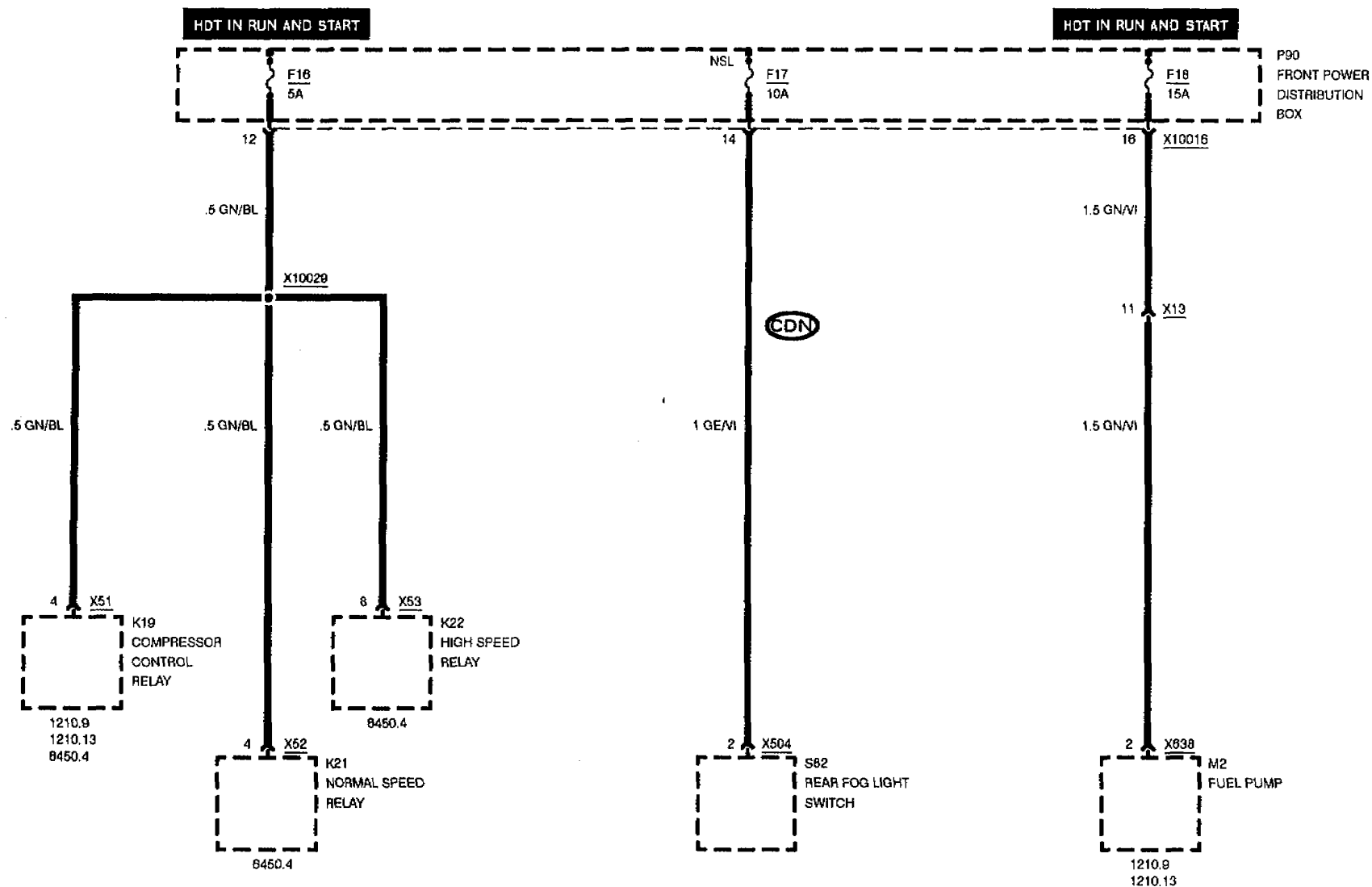
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FUSE DETAILS

FUSES 16, 17, AND 18



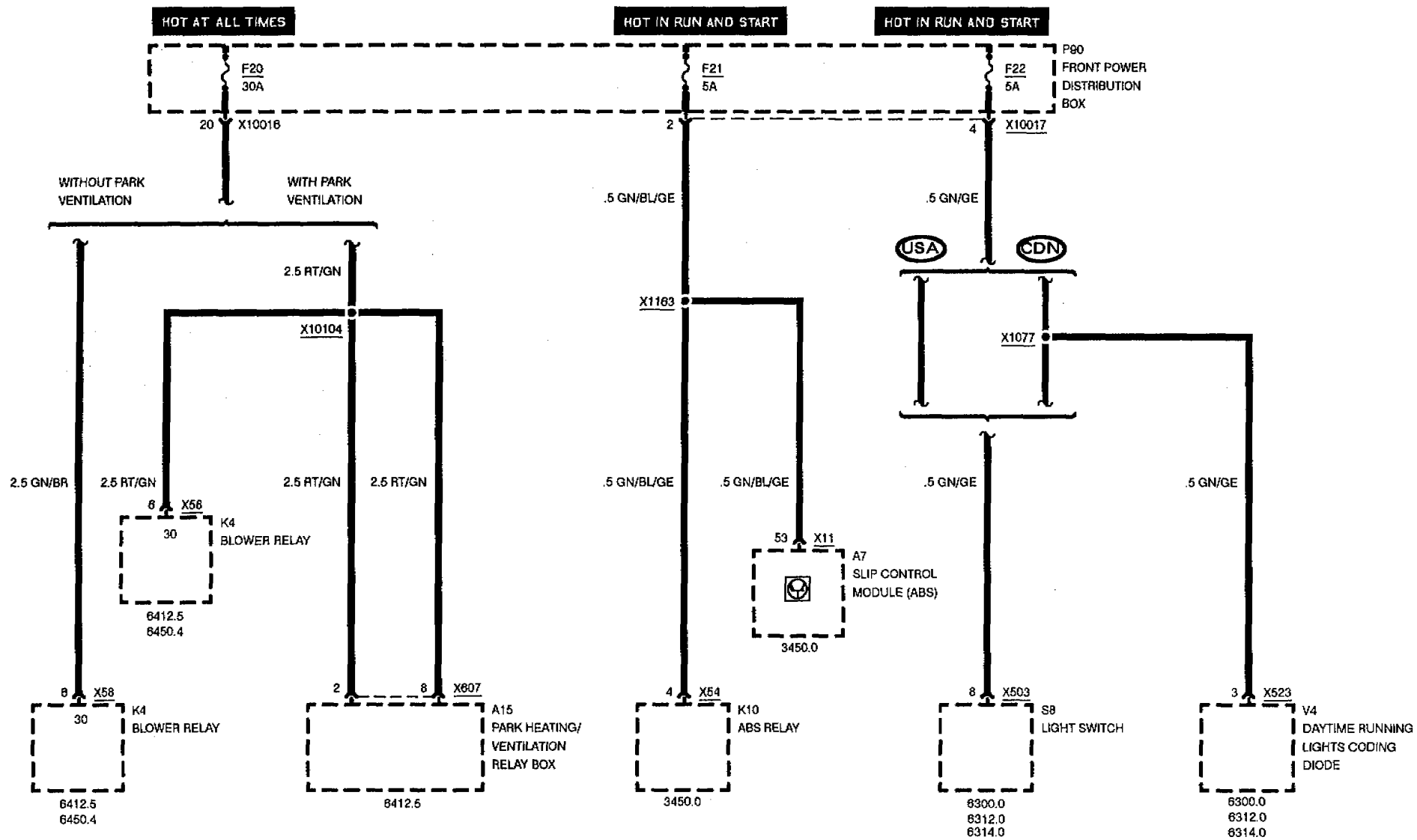
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FUSE DETAILS

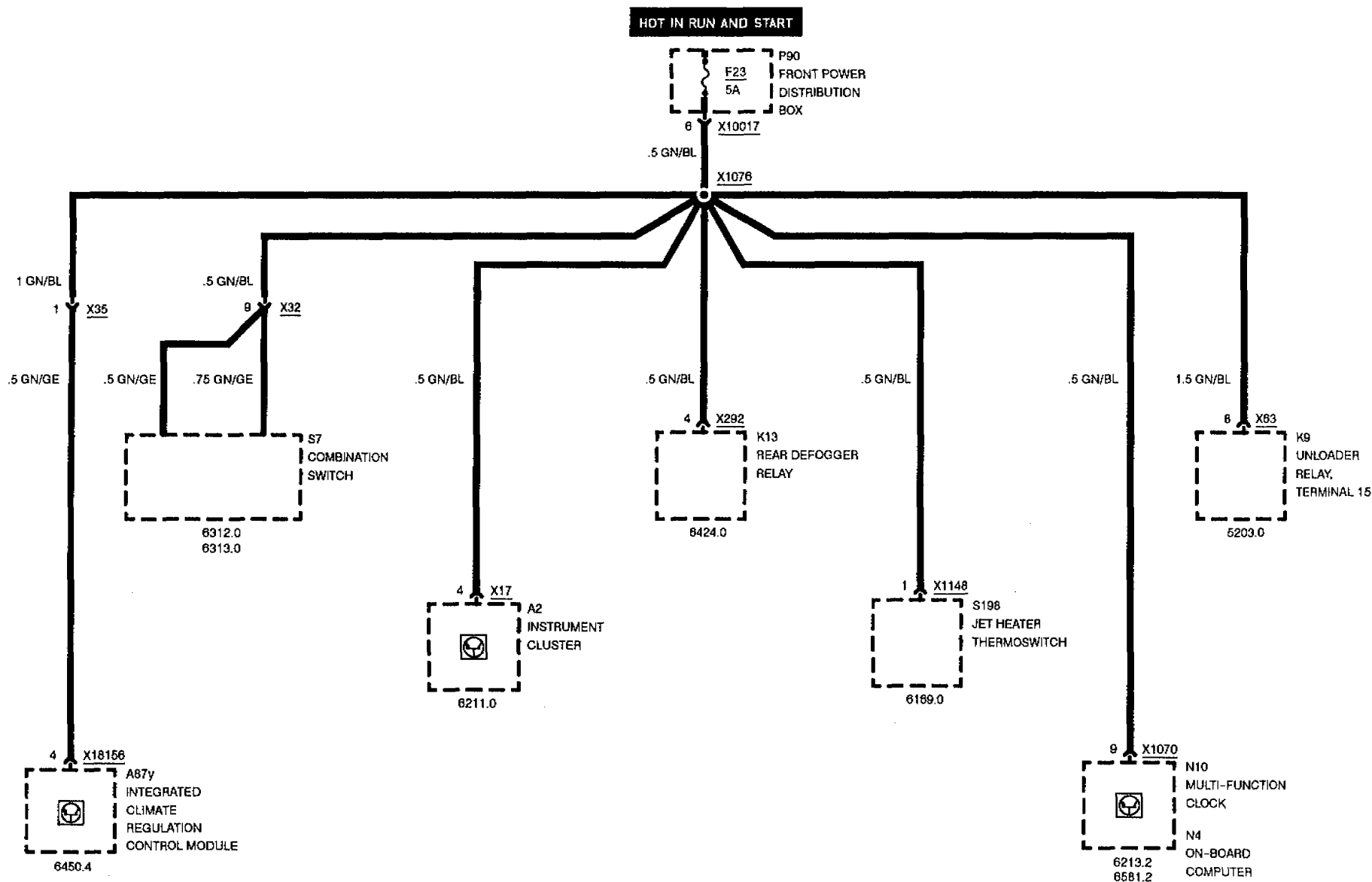
FUSES 20, 21, AND 22





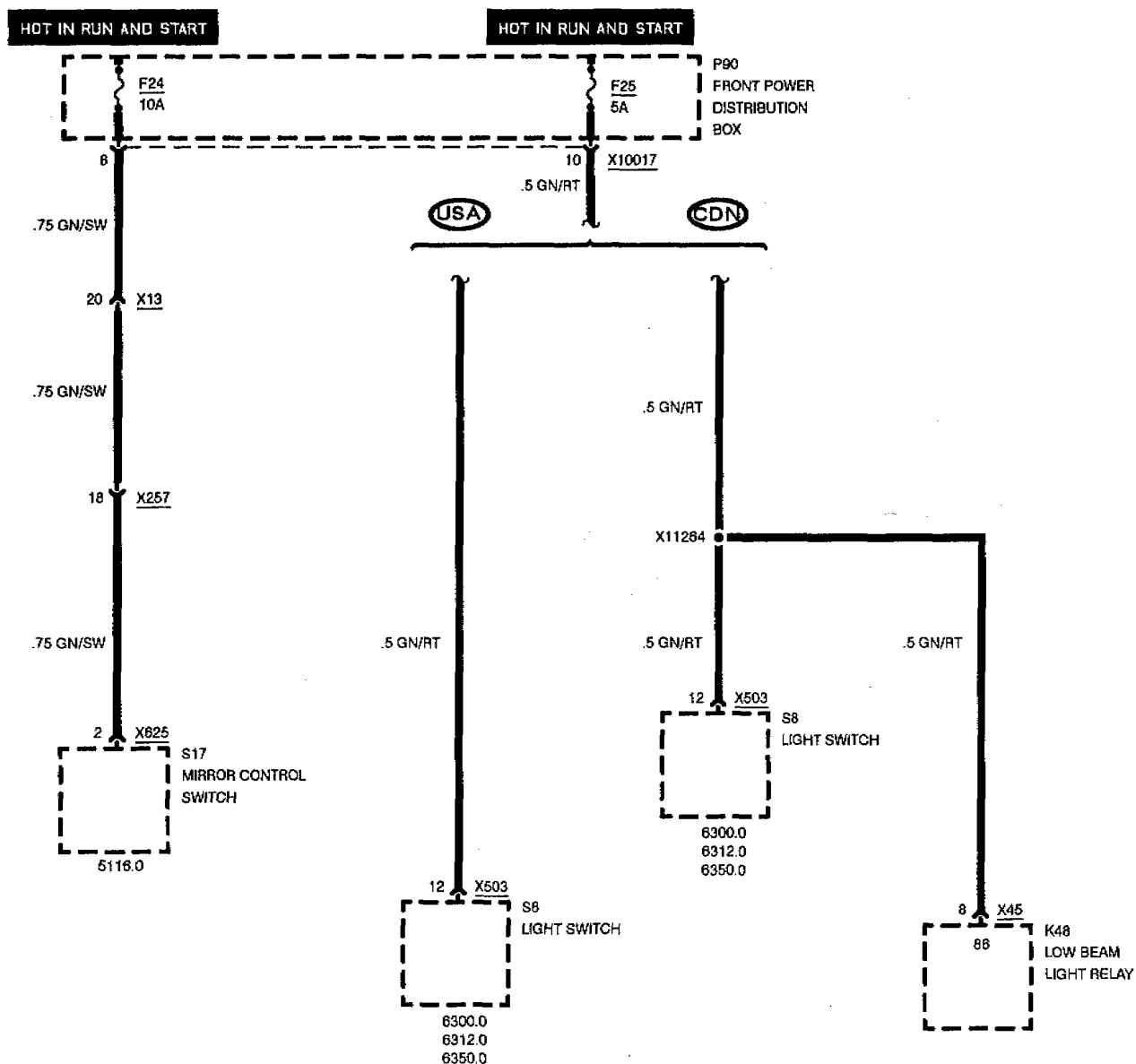
FUSE DETAILS

FUSE 23



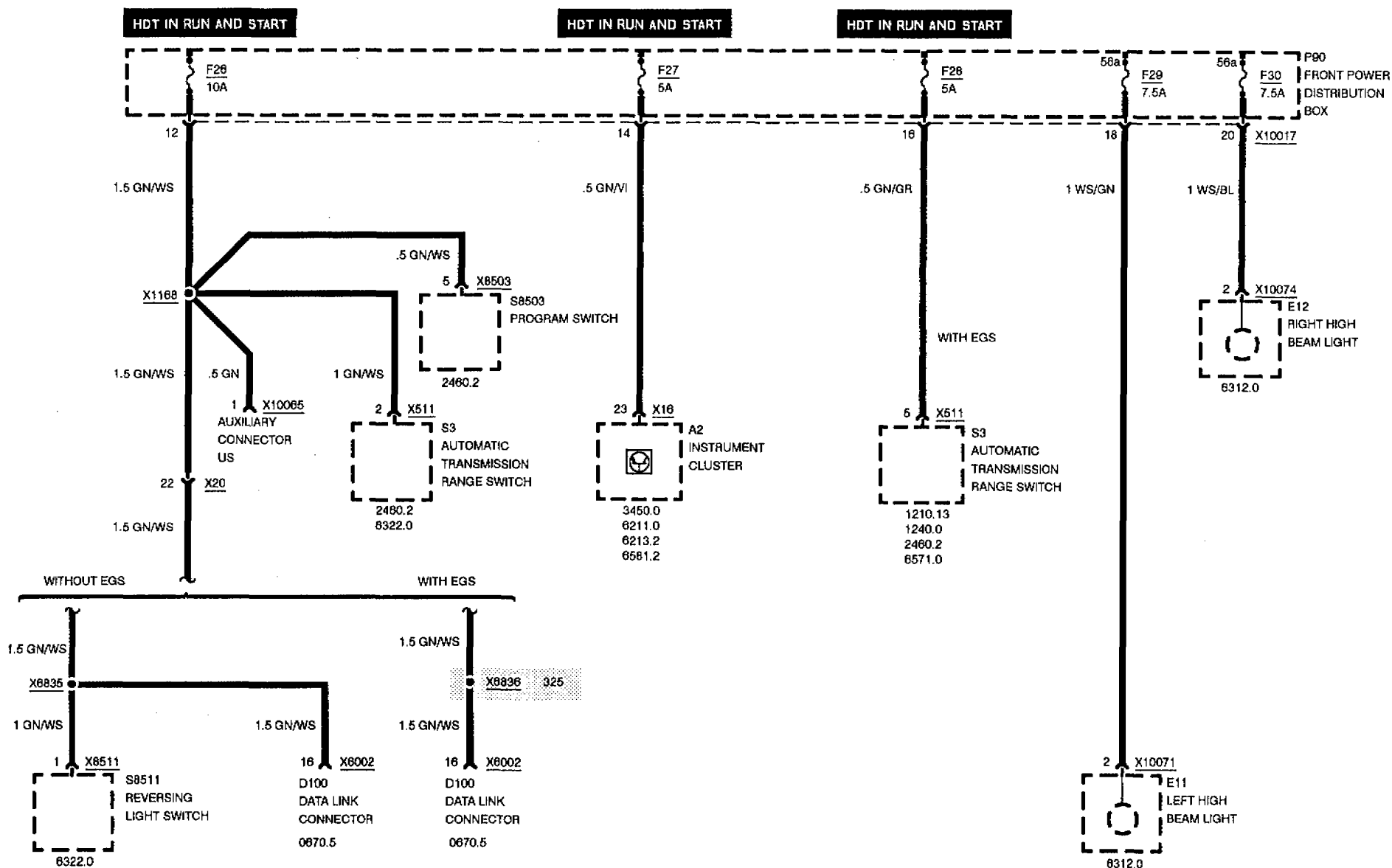
FUSE DETAILS

FUSES 24 AND 25



FUSE DETAILS

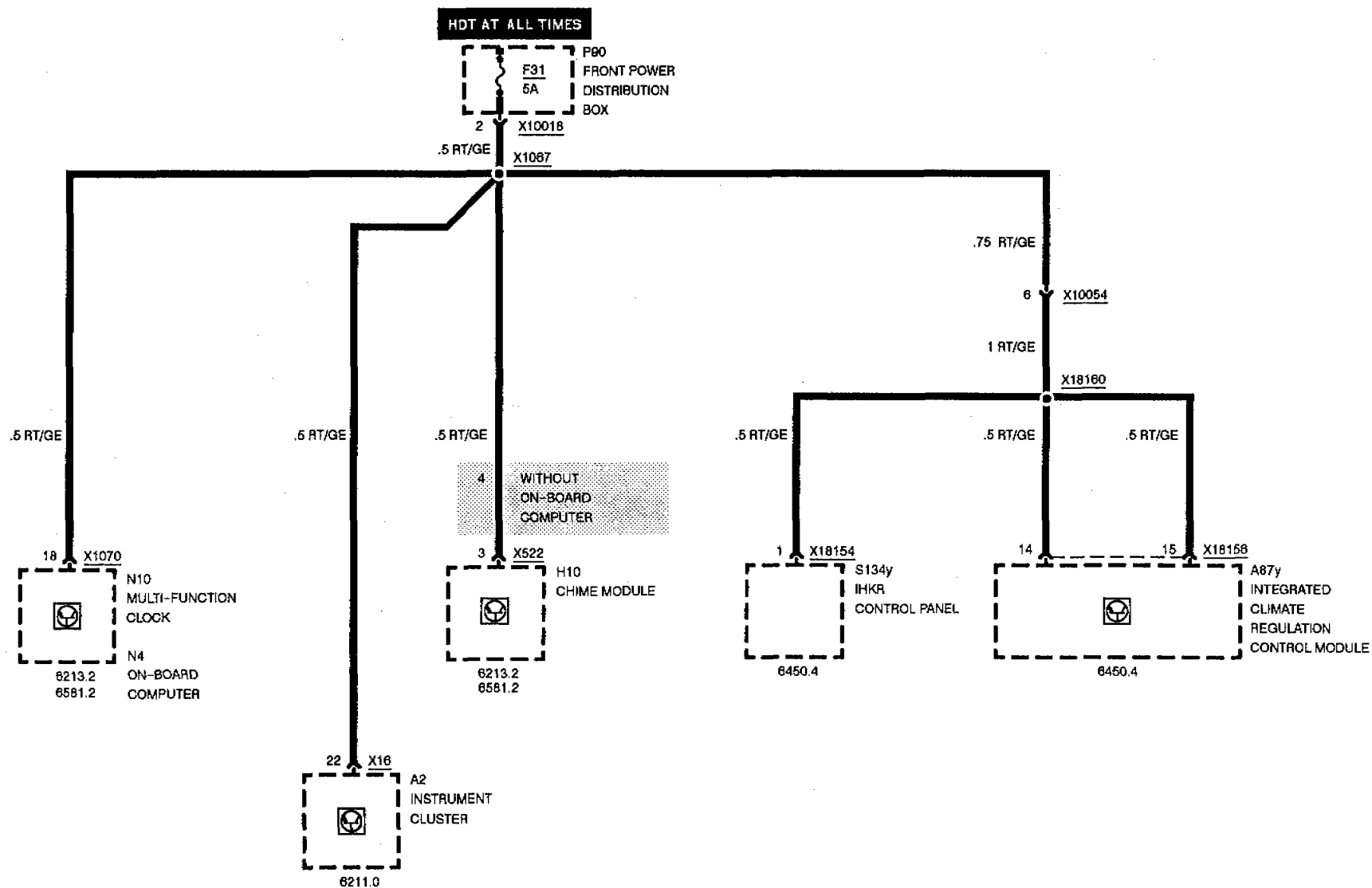
FUSES 26, 27, 28, 29, AND 30





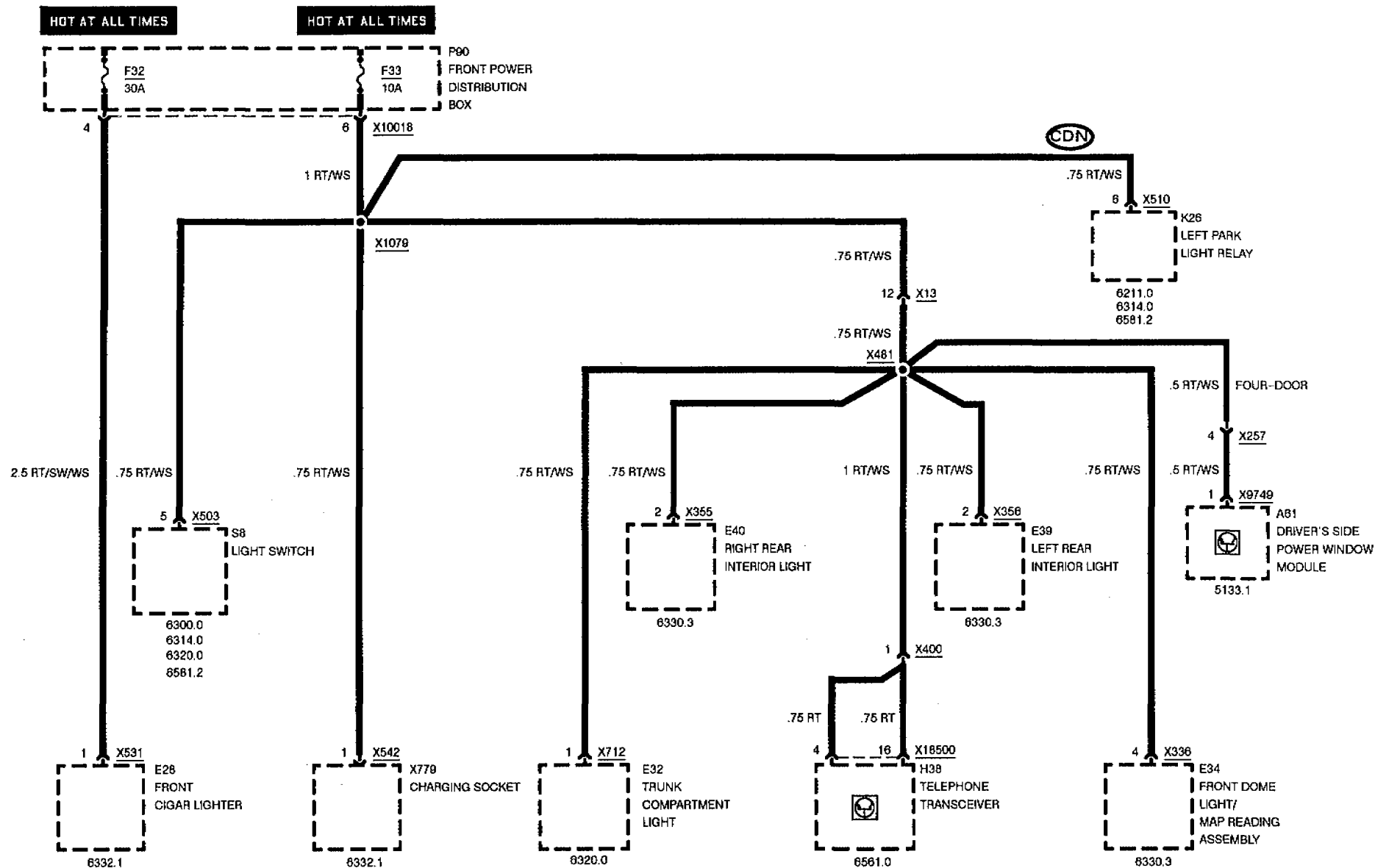
FUSE DETAILS

FUSE 31



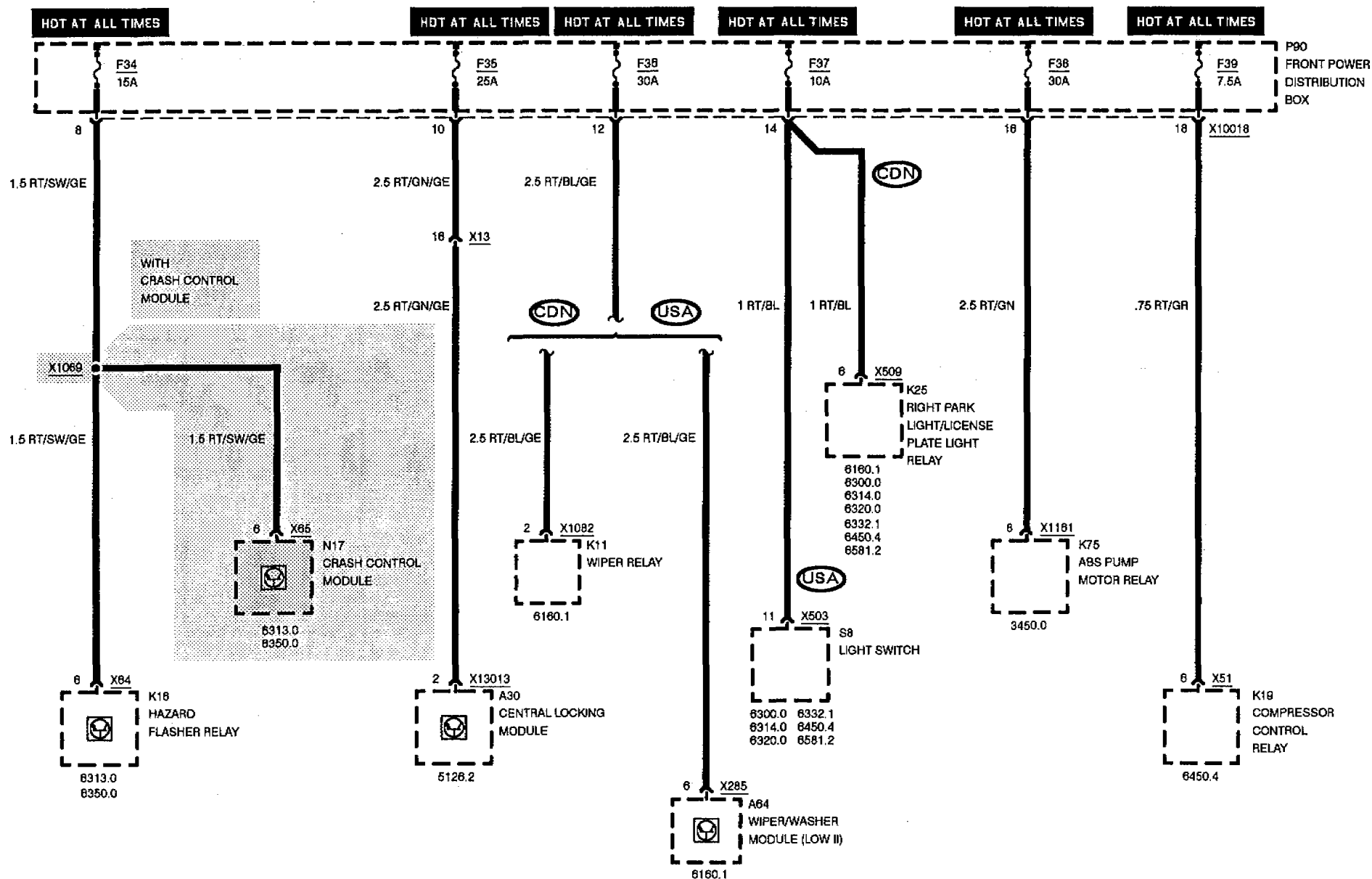
FUSE DETAILS

FUSES 32 AND 33



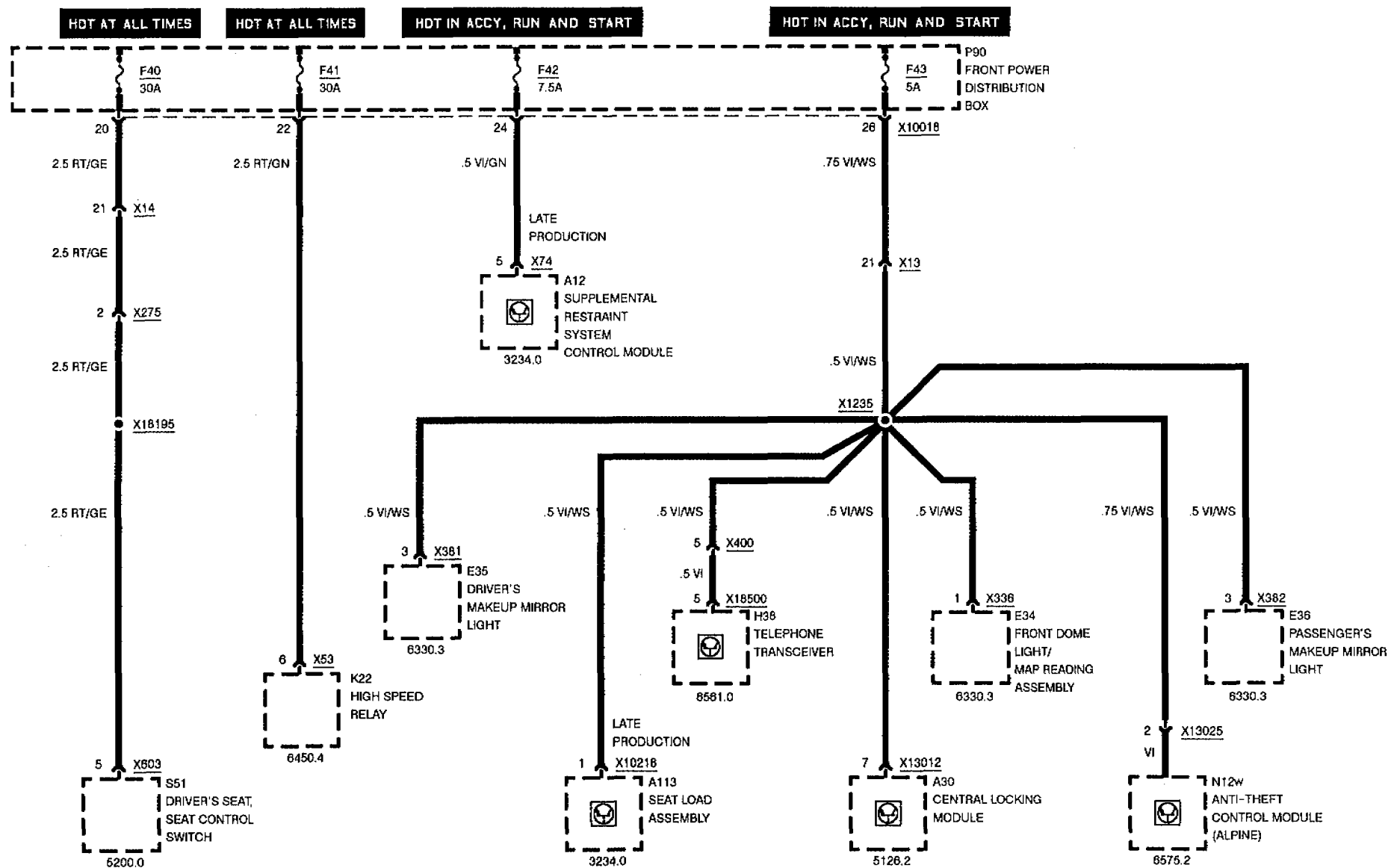
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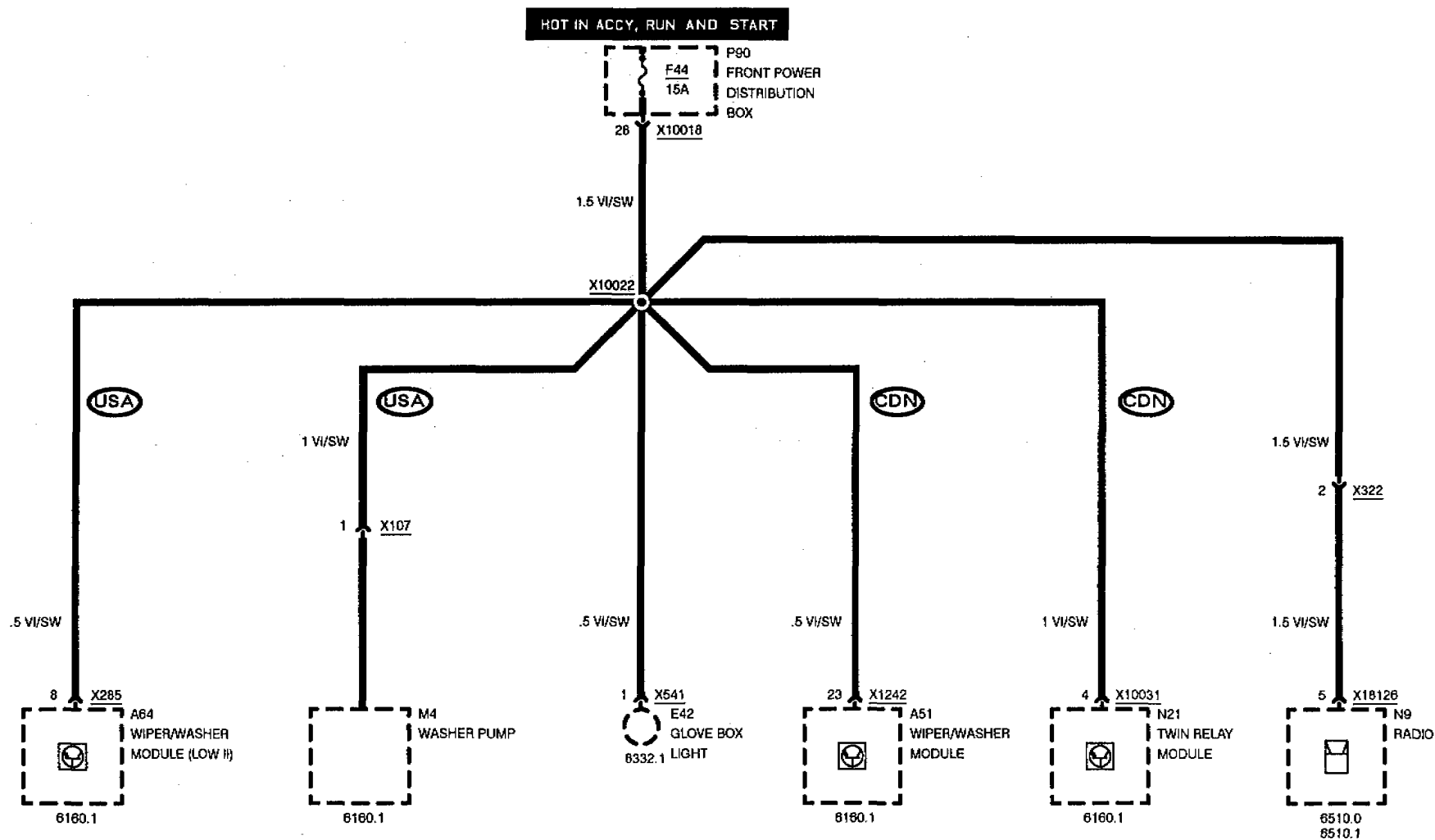
FUSES 34, 35, 36, 37, 38, AND 39



FUSE DETAILS

FUSES 40, 41, 42, AND 43

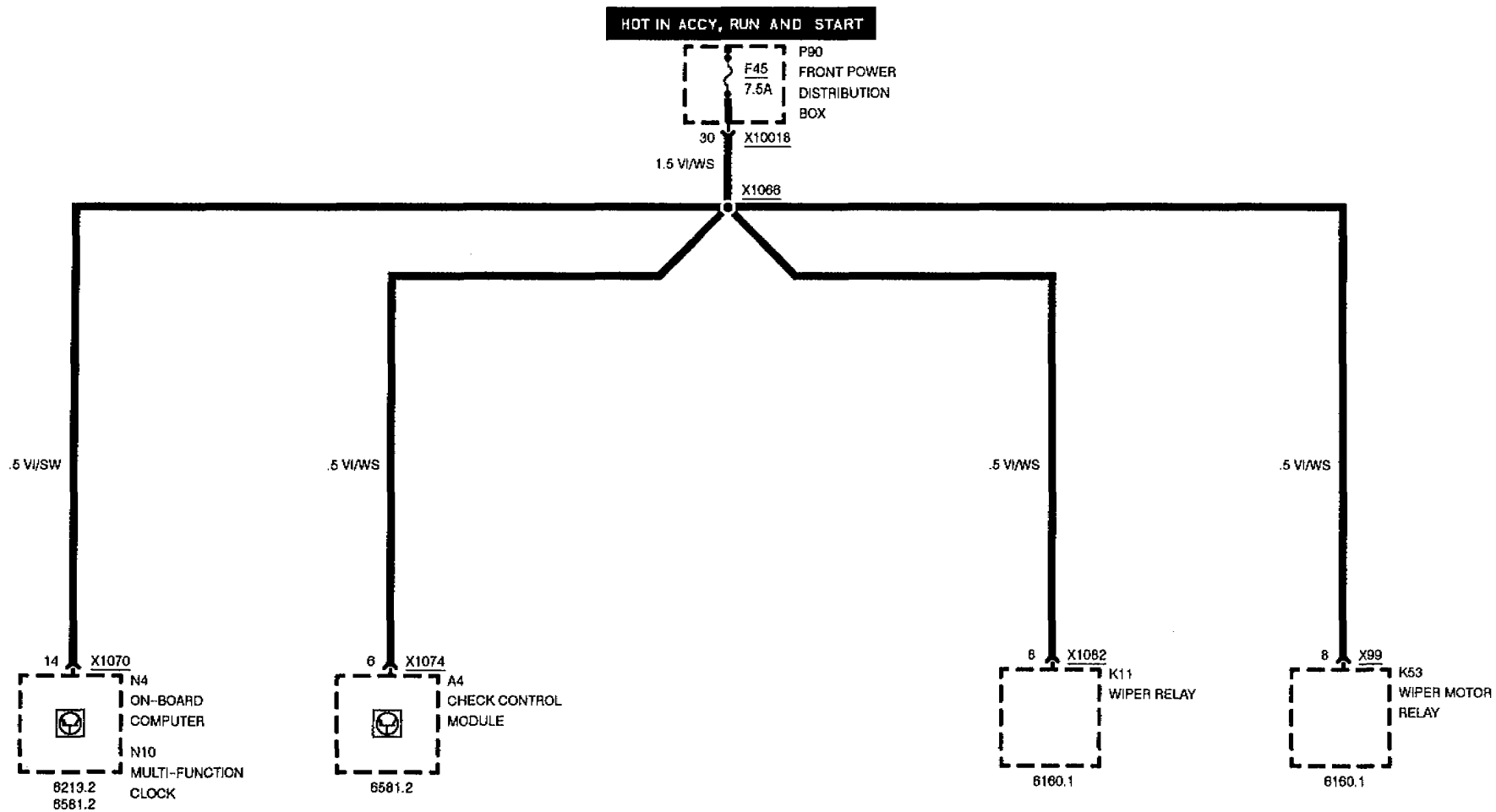






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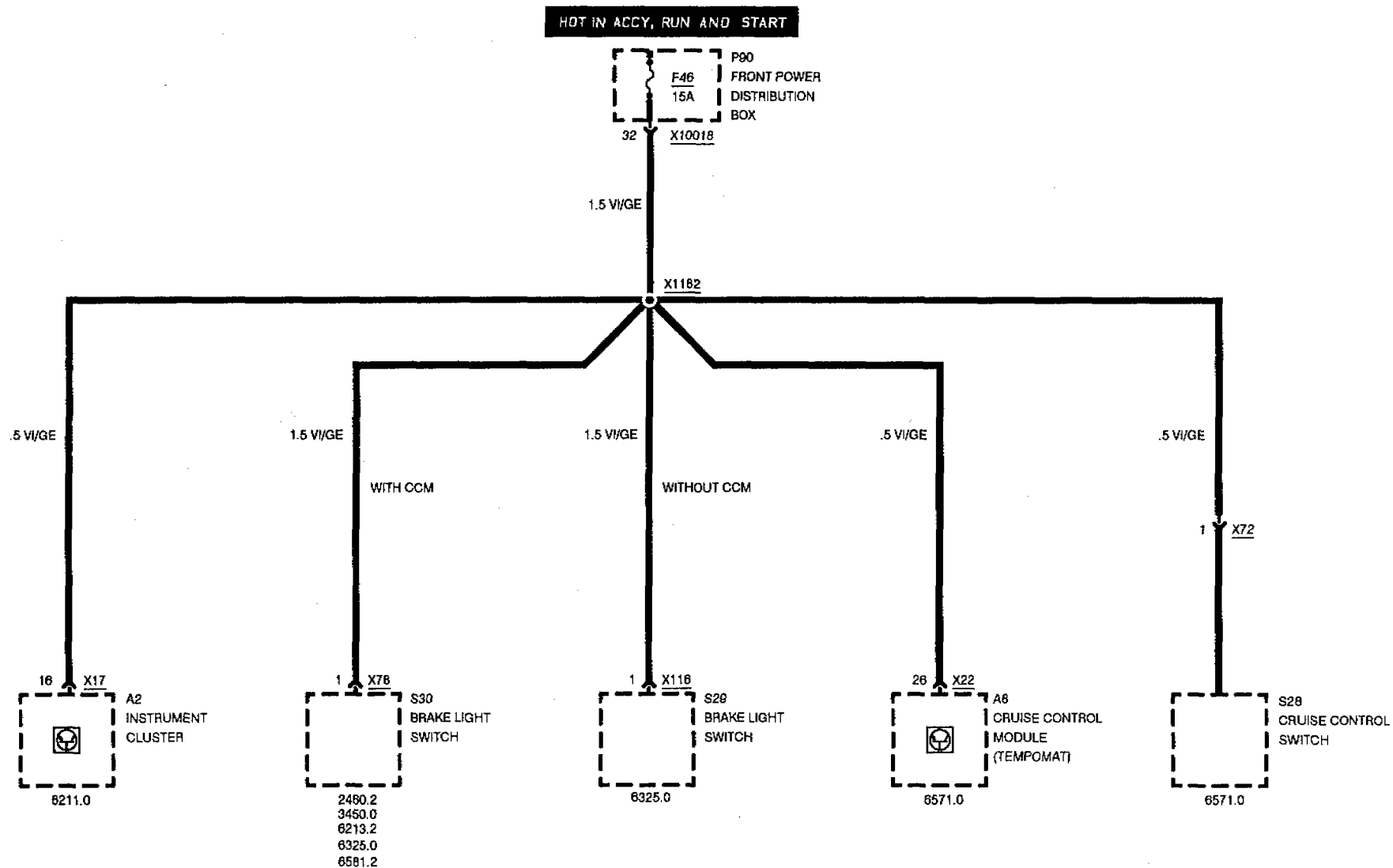
FUSE 45



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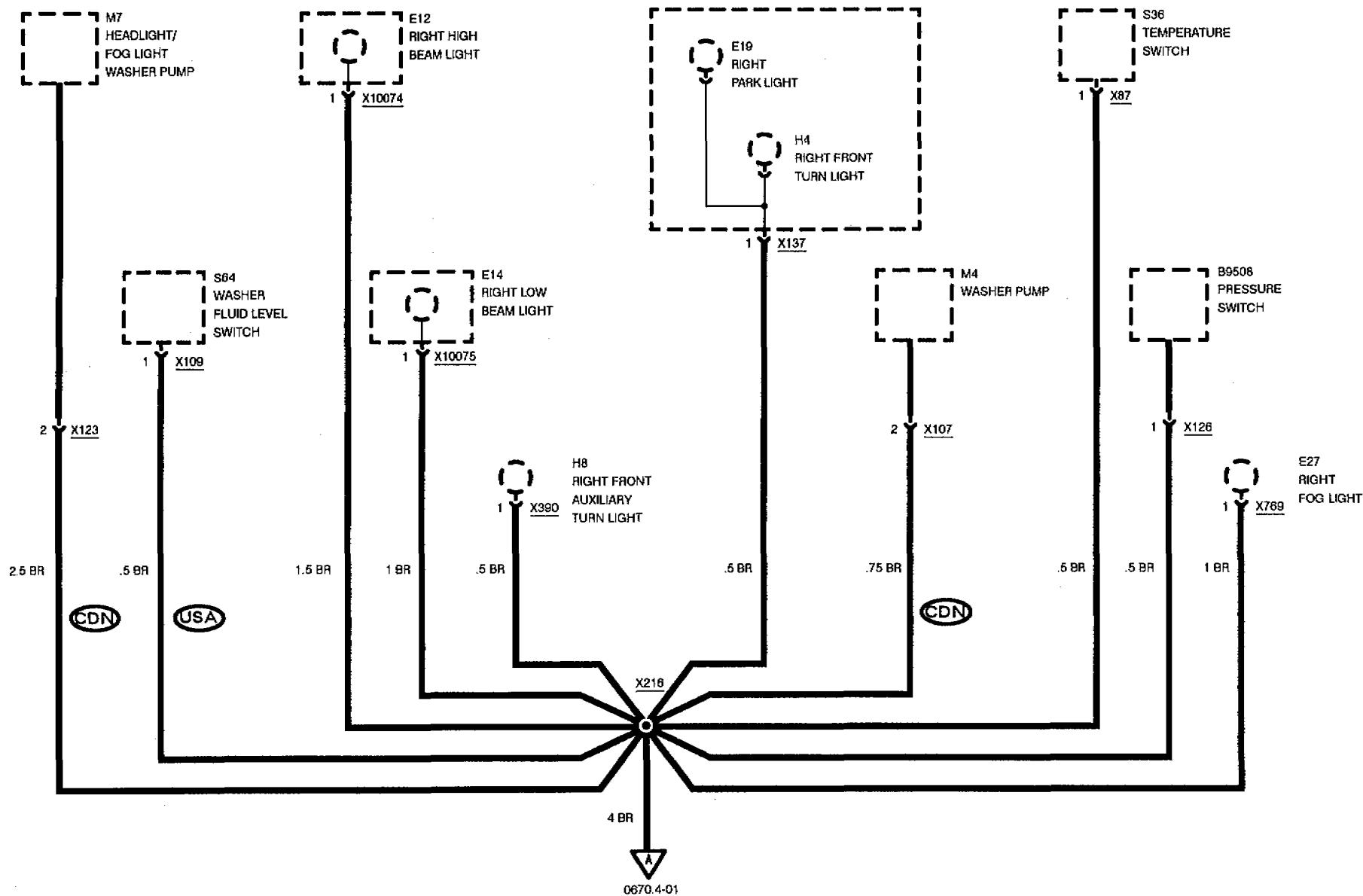






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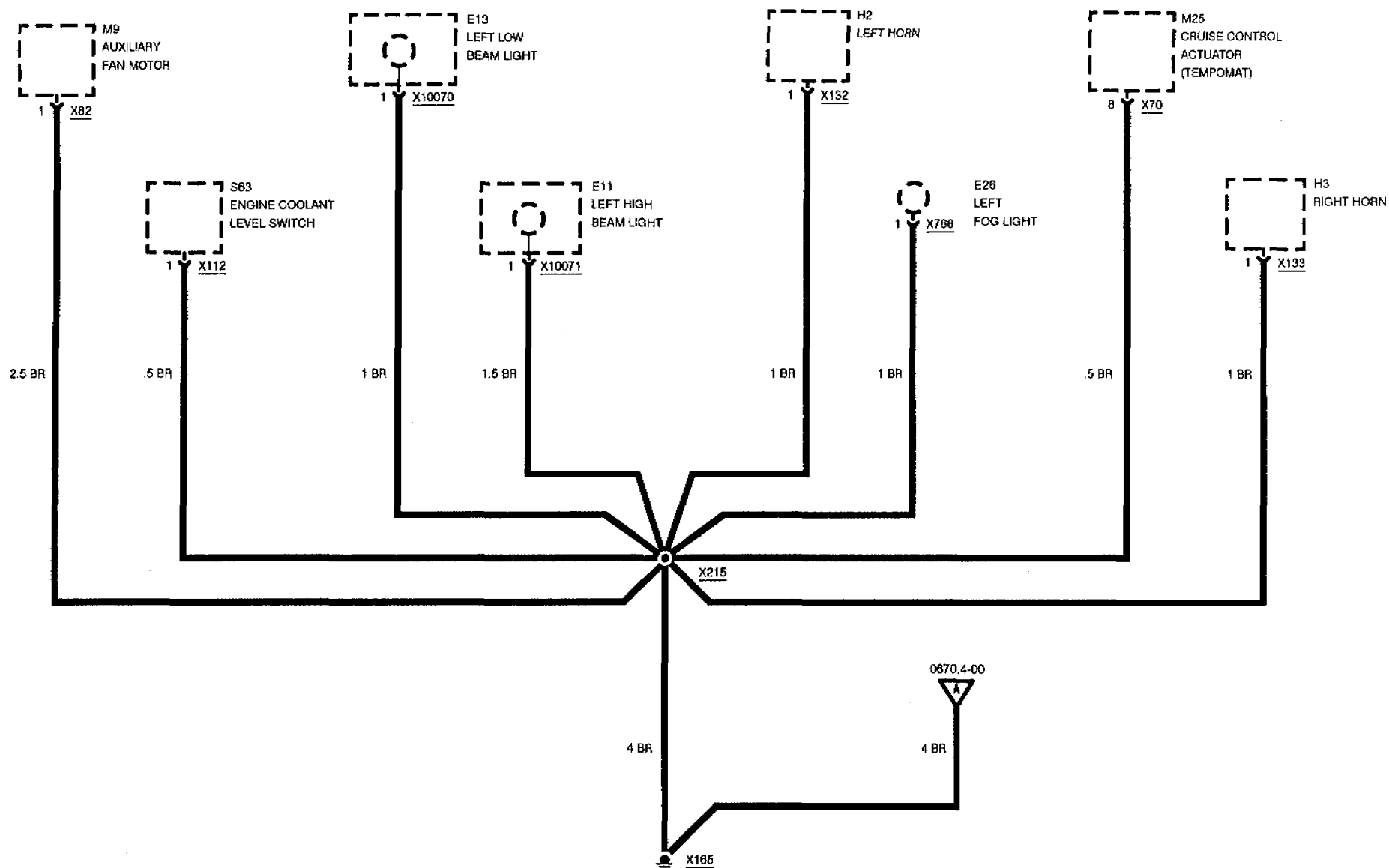
GROUND X165





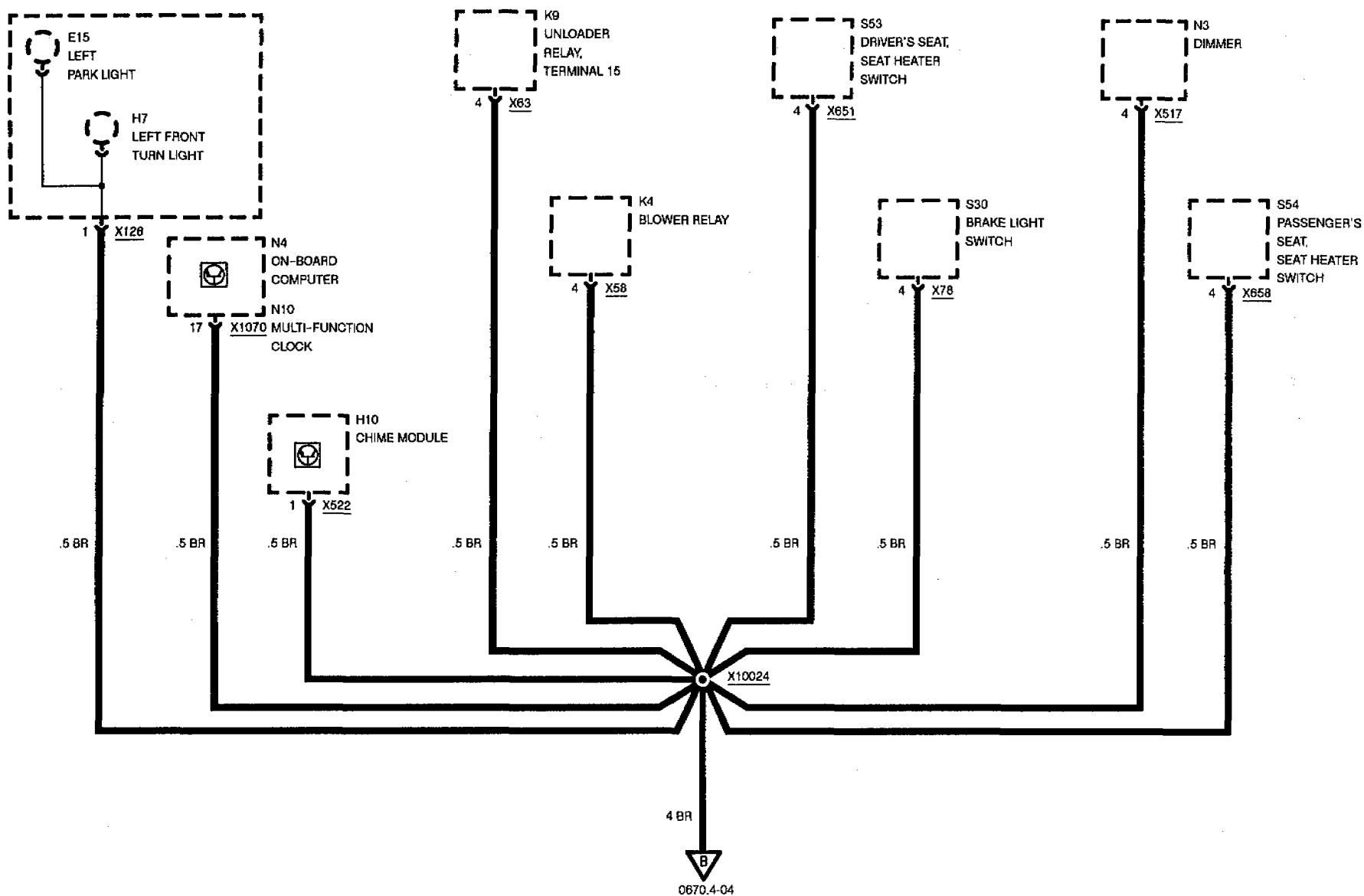
GROUND DISTRIBUTION

GROUND X165



GROUND DISTRIBUTION

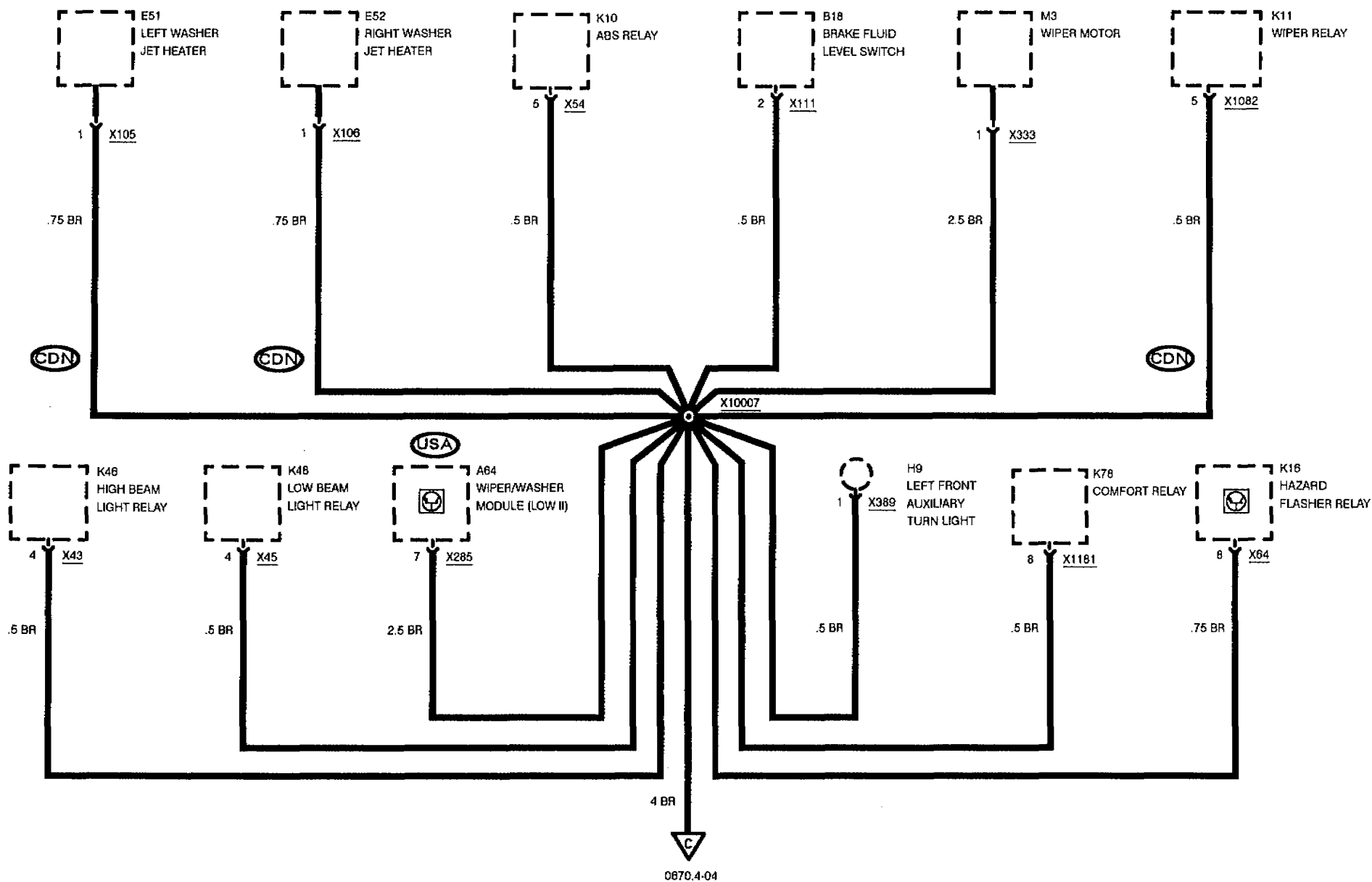
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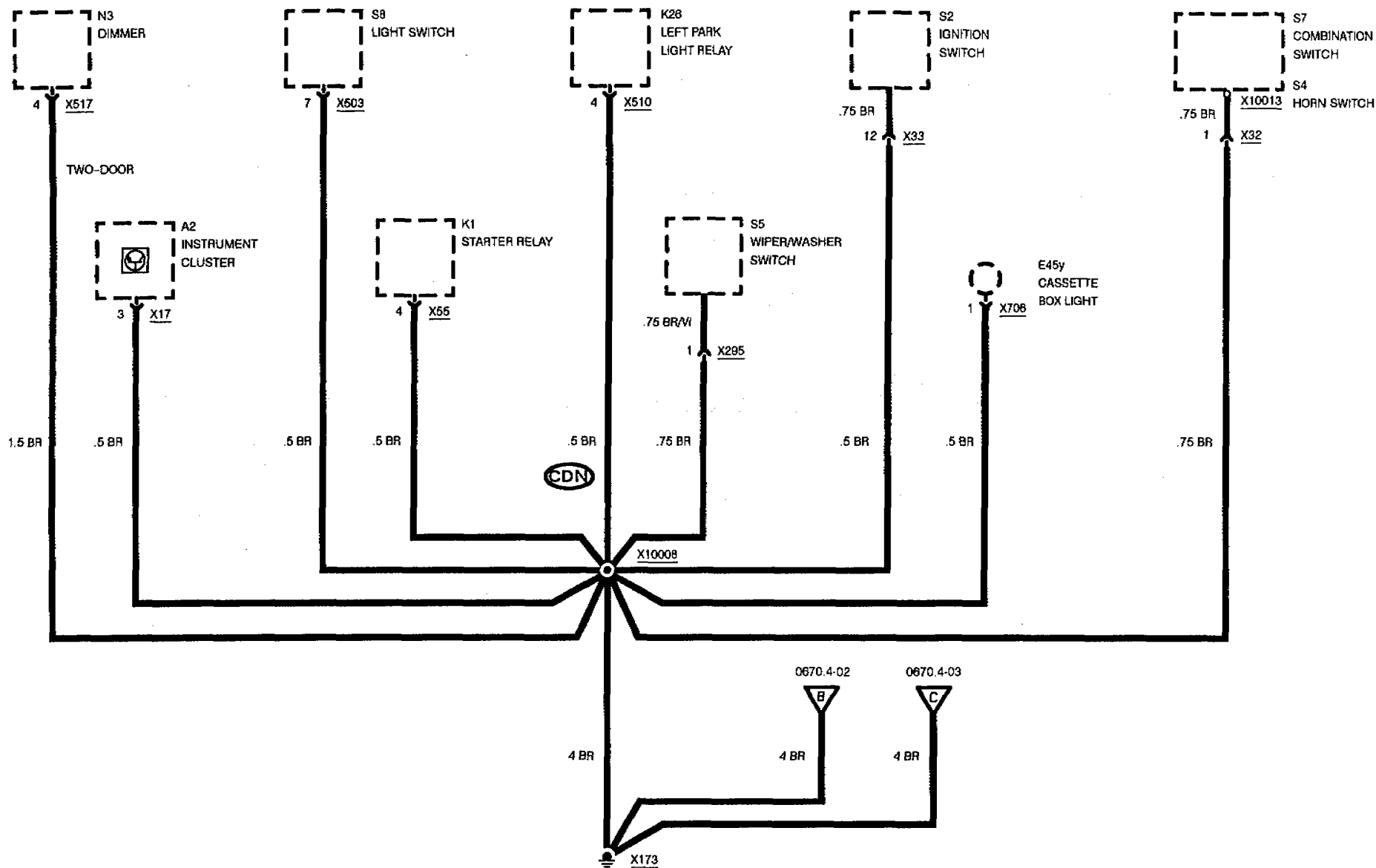
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GROUND X173



GROUND DISTRIBUTION

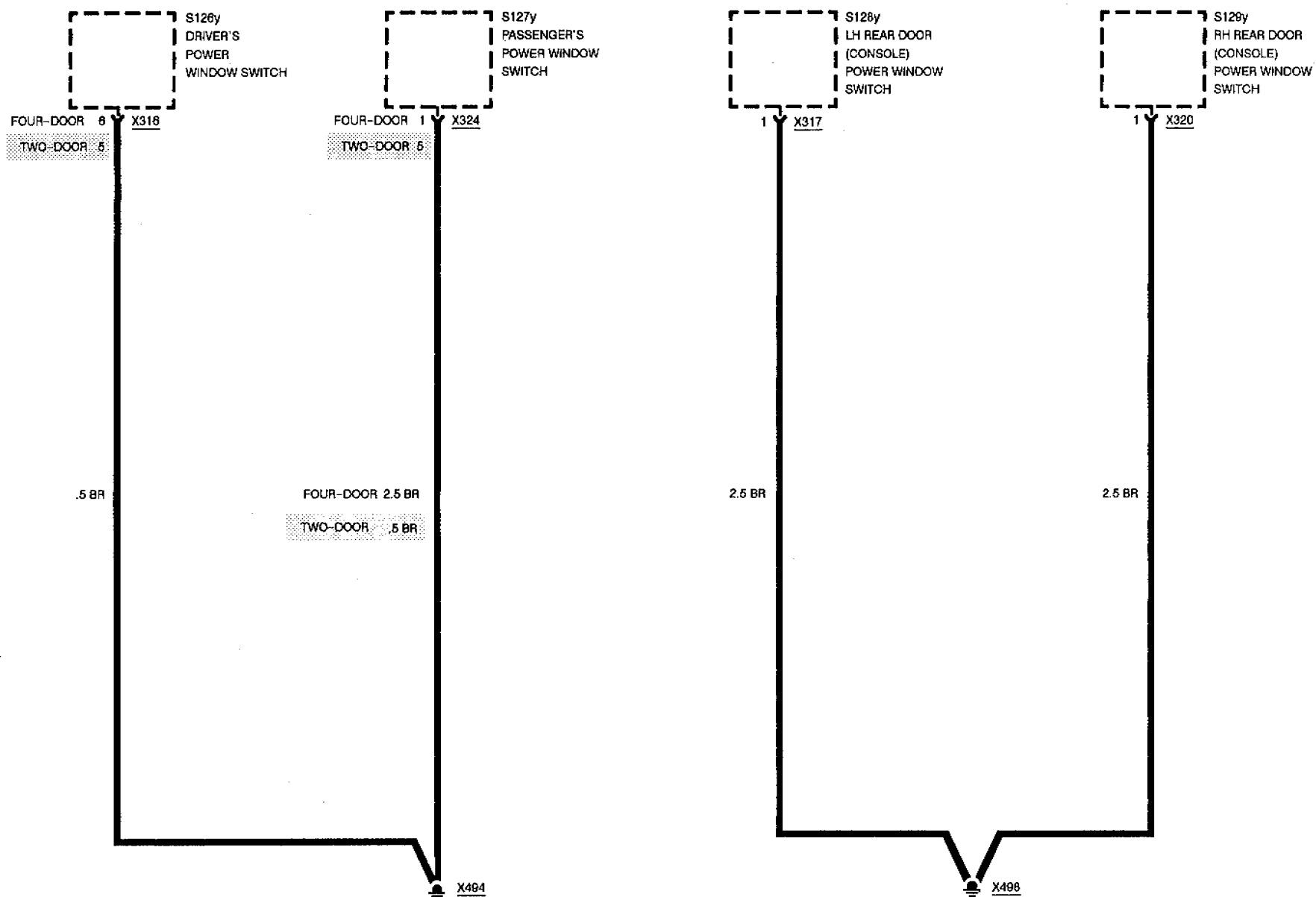
GROUND X173





GROUND DISTRIBUTION

GROUNDS X494 AND X498

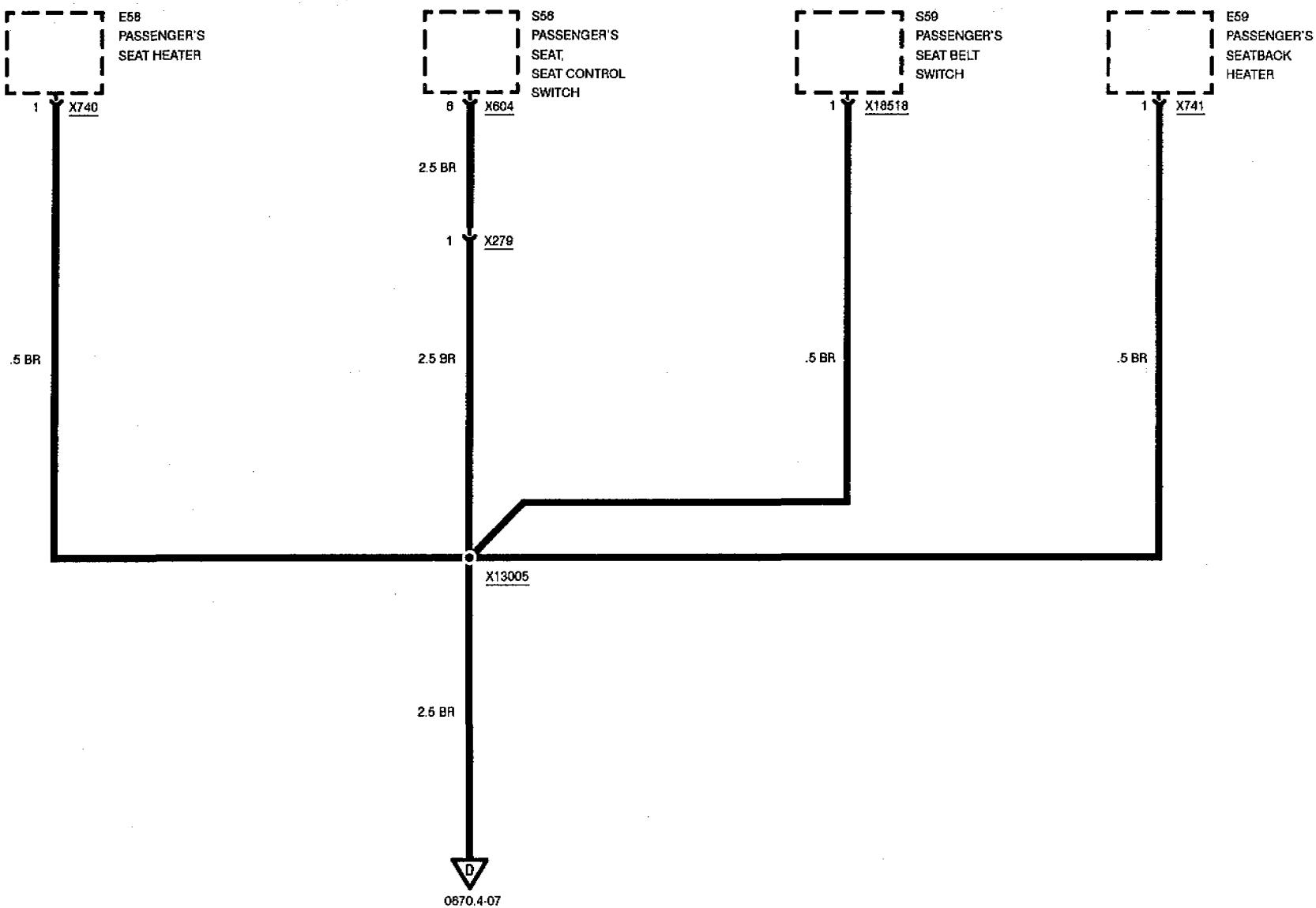




GROUND DISTRIBUTION

TWO-DOOR

GROUND X495



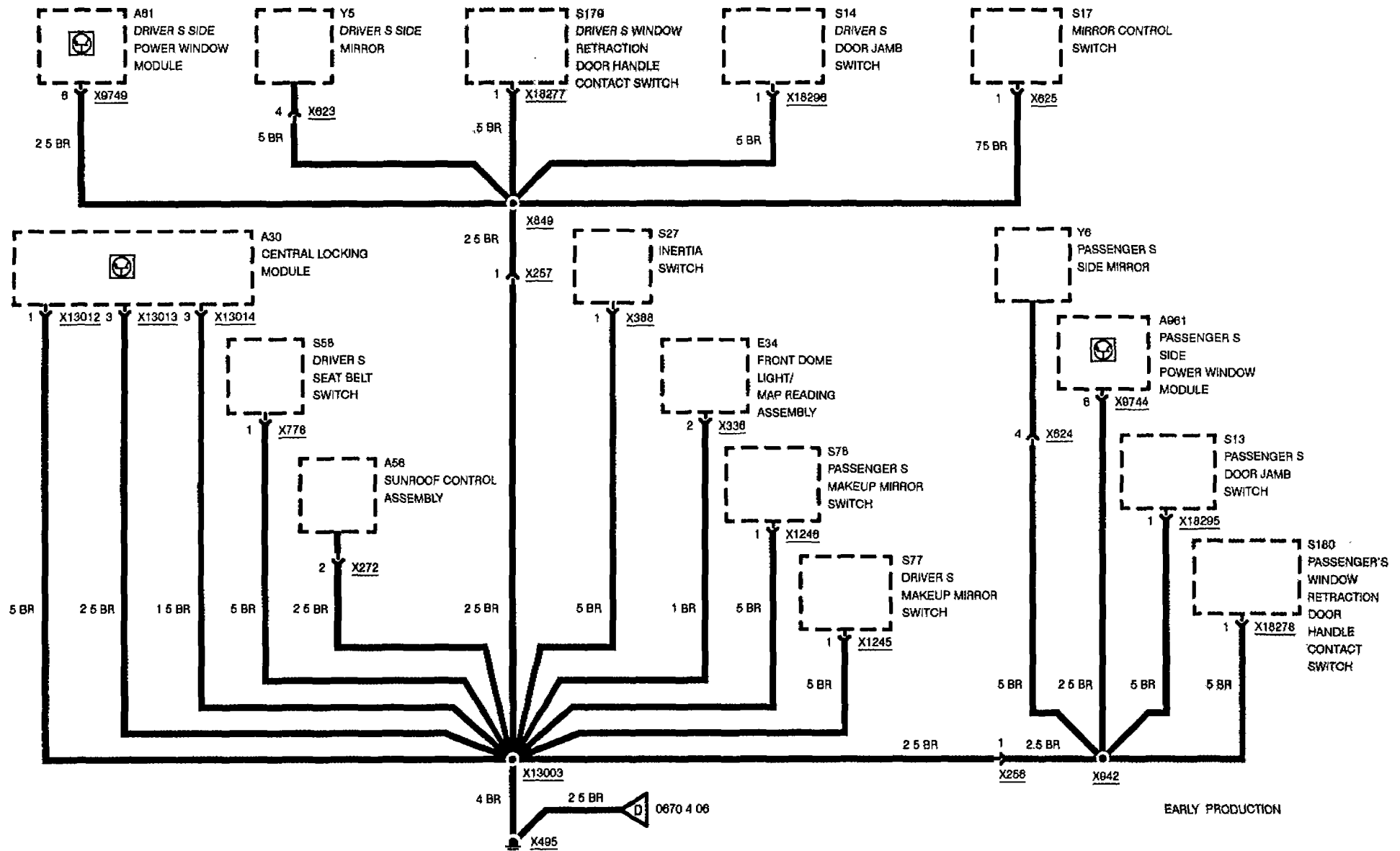


GROUND DISTRIBUTION

GROUND X495

TWO-DOOR

EARLY PRODUCTION

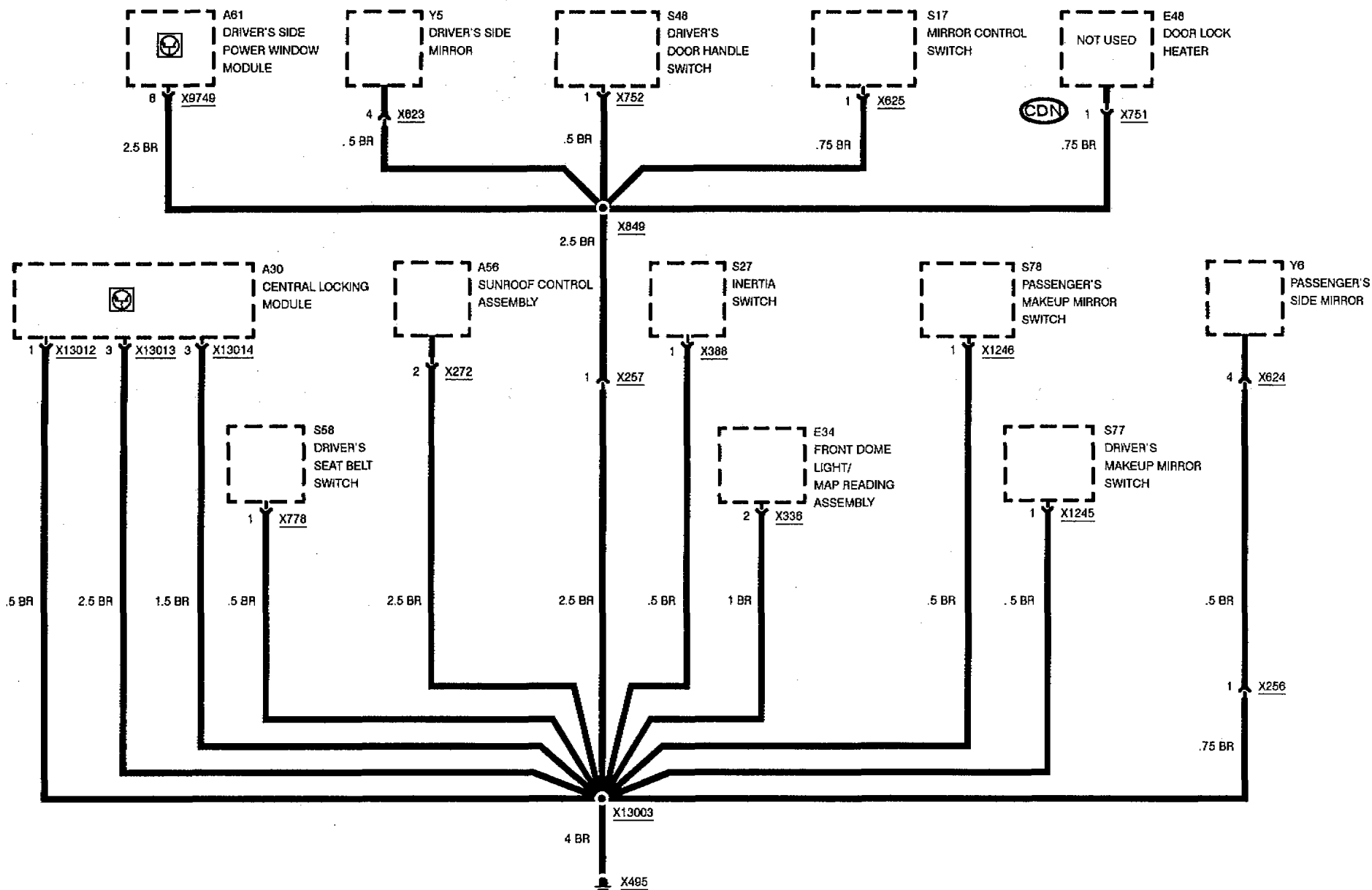




GROUND DISTRIBUTION

TWO-DOOR

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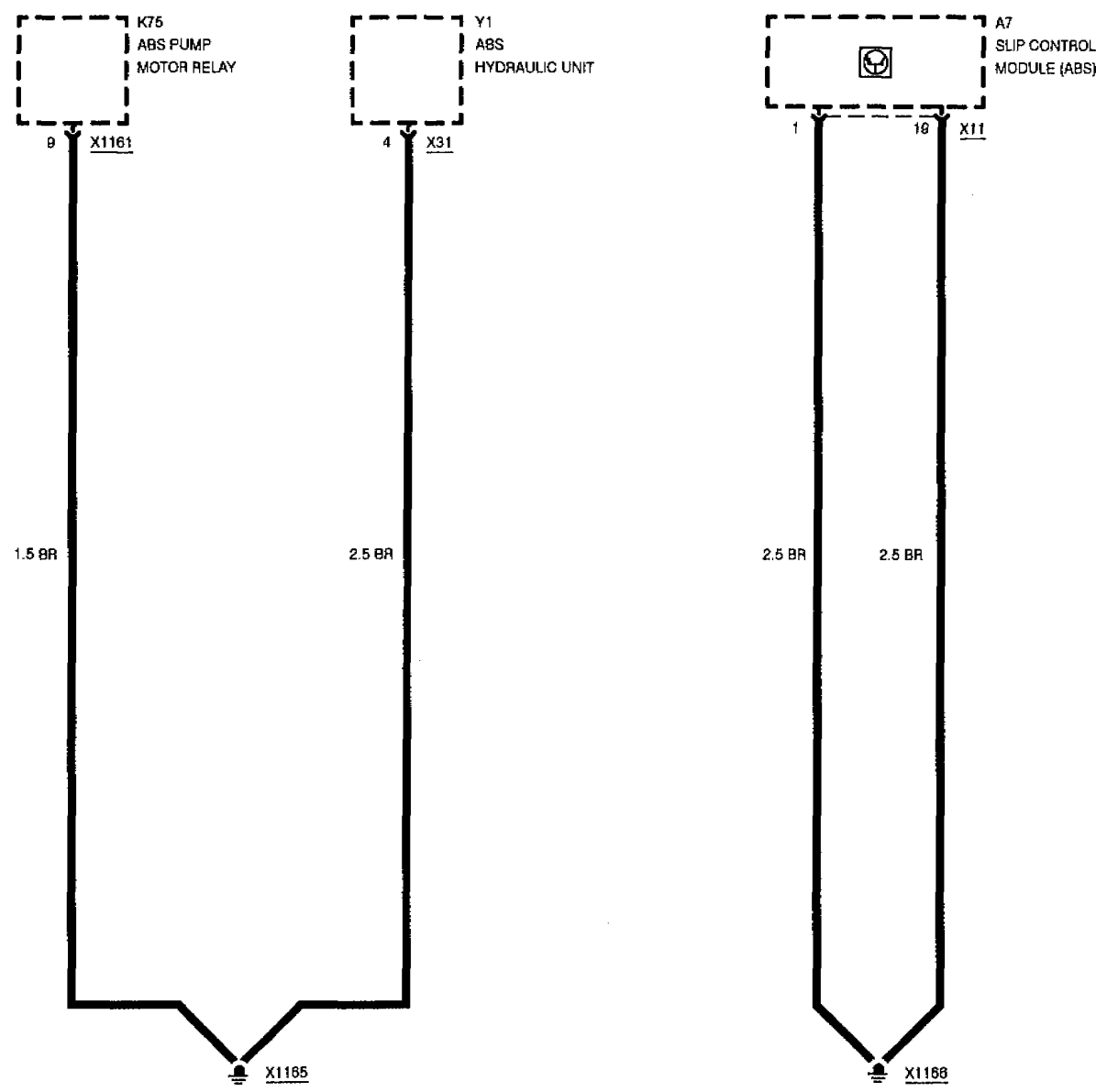
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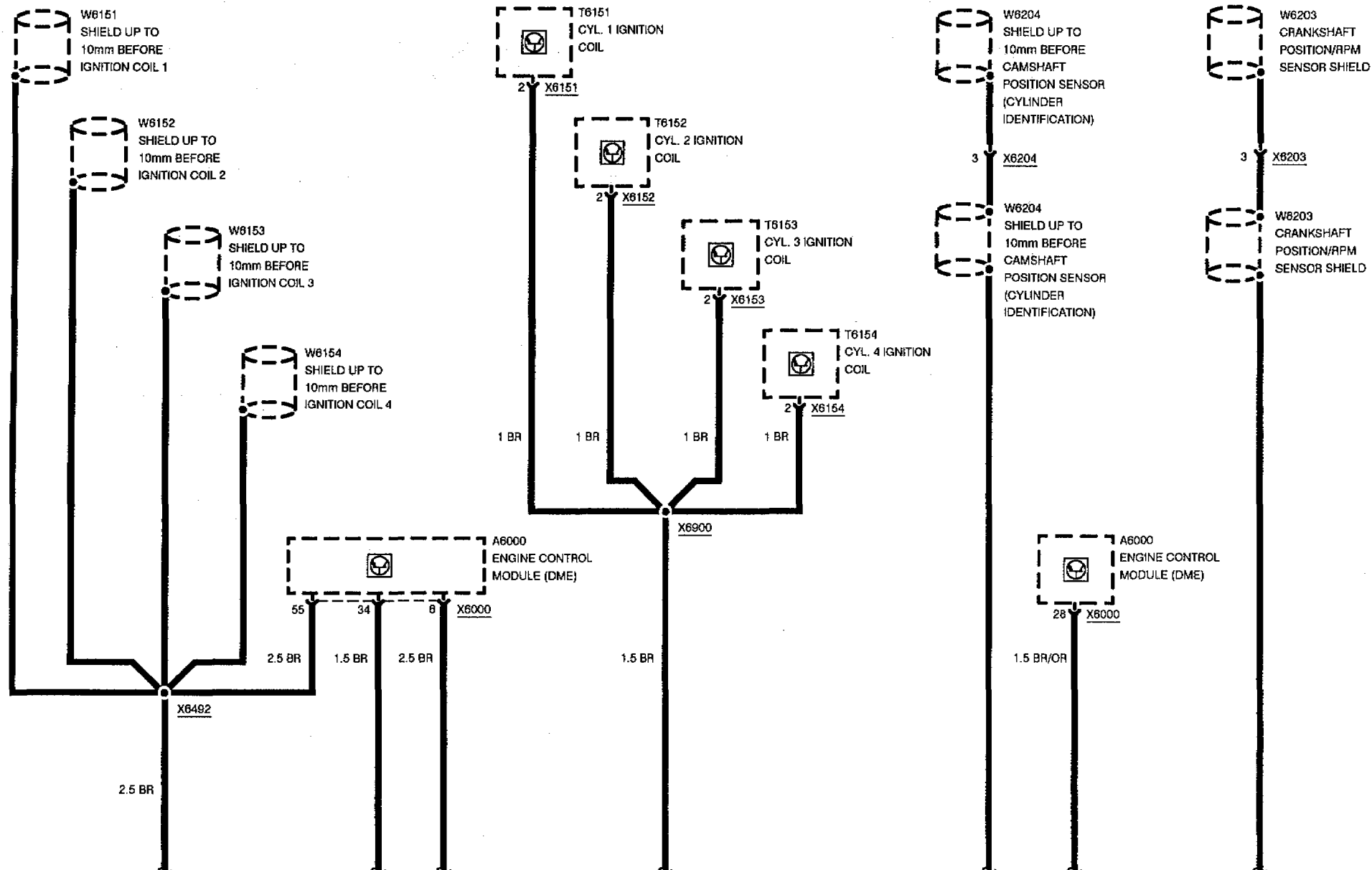


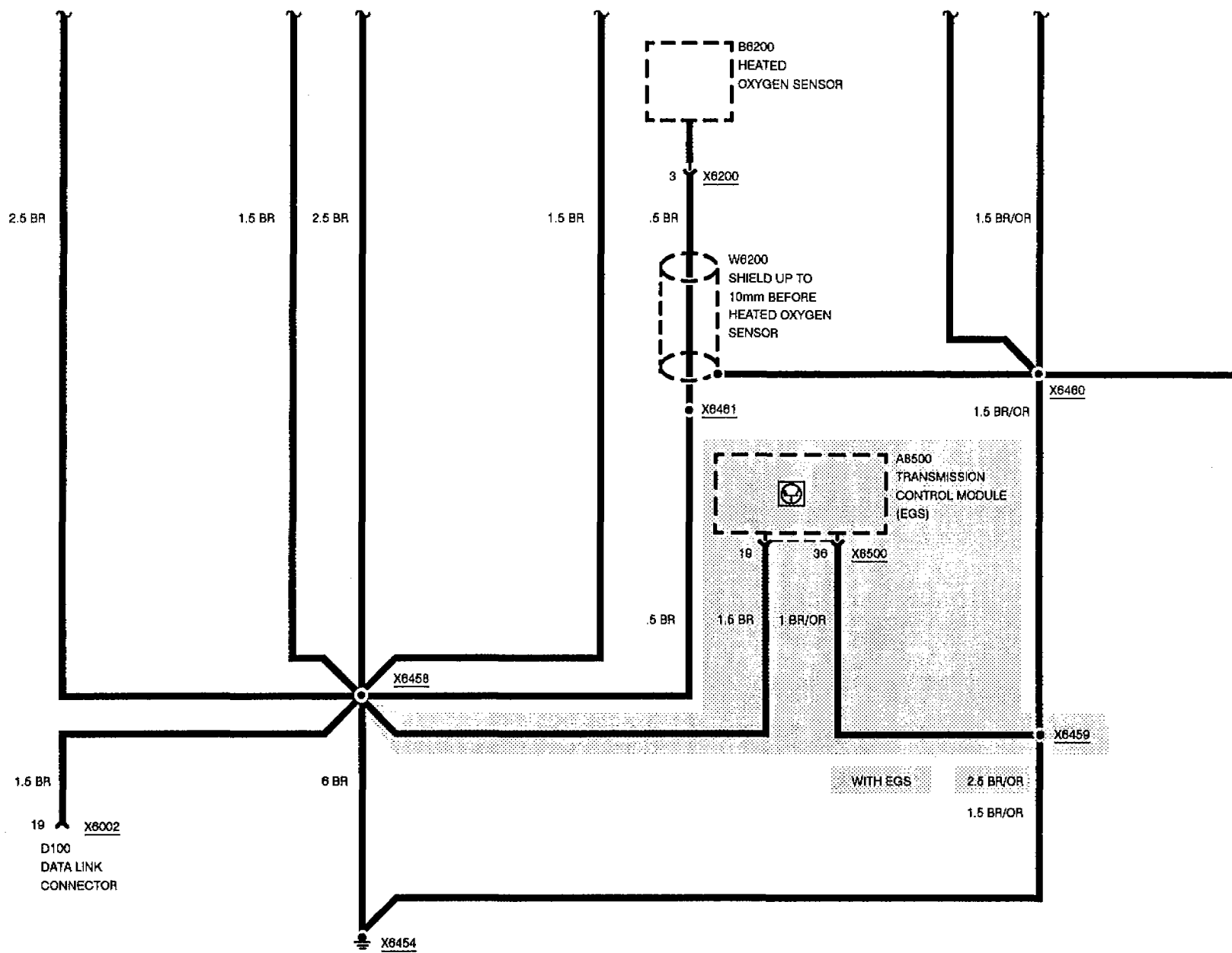
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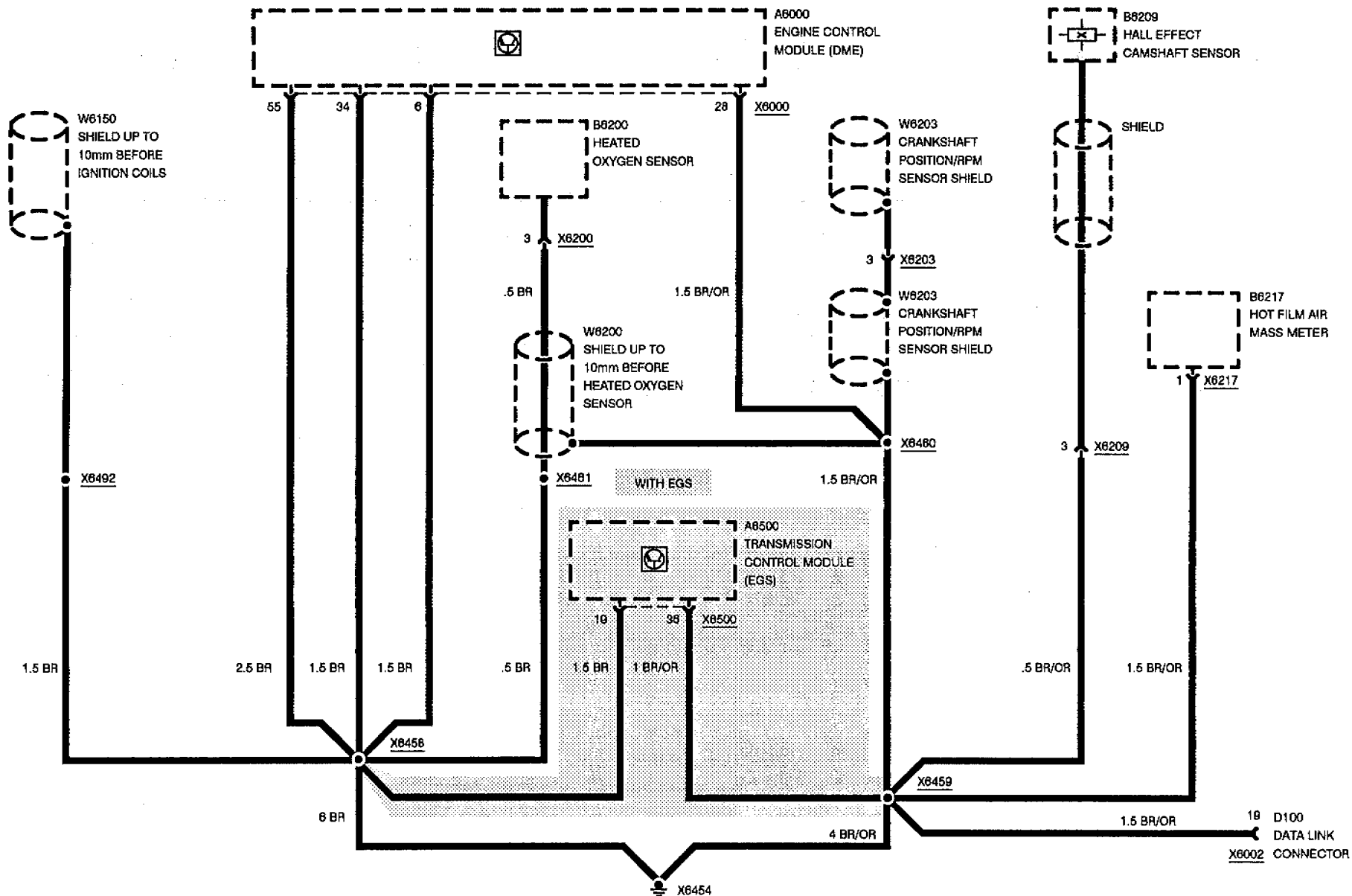
GROUNDS X1165 AND X1166



GROUND X6454





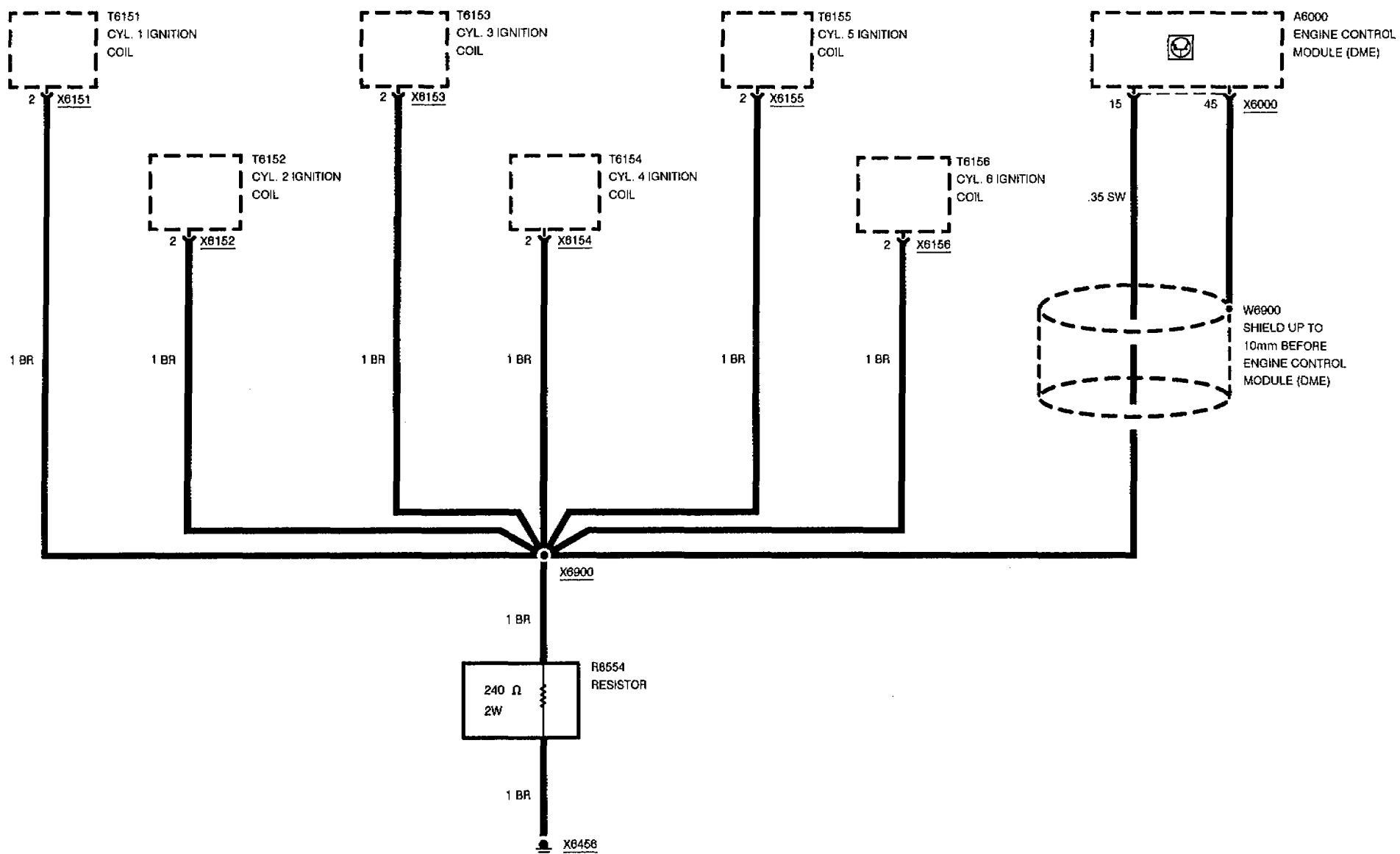




GROUND DISTRIBUTION

325

GROUND X6456



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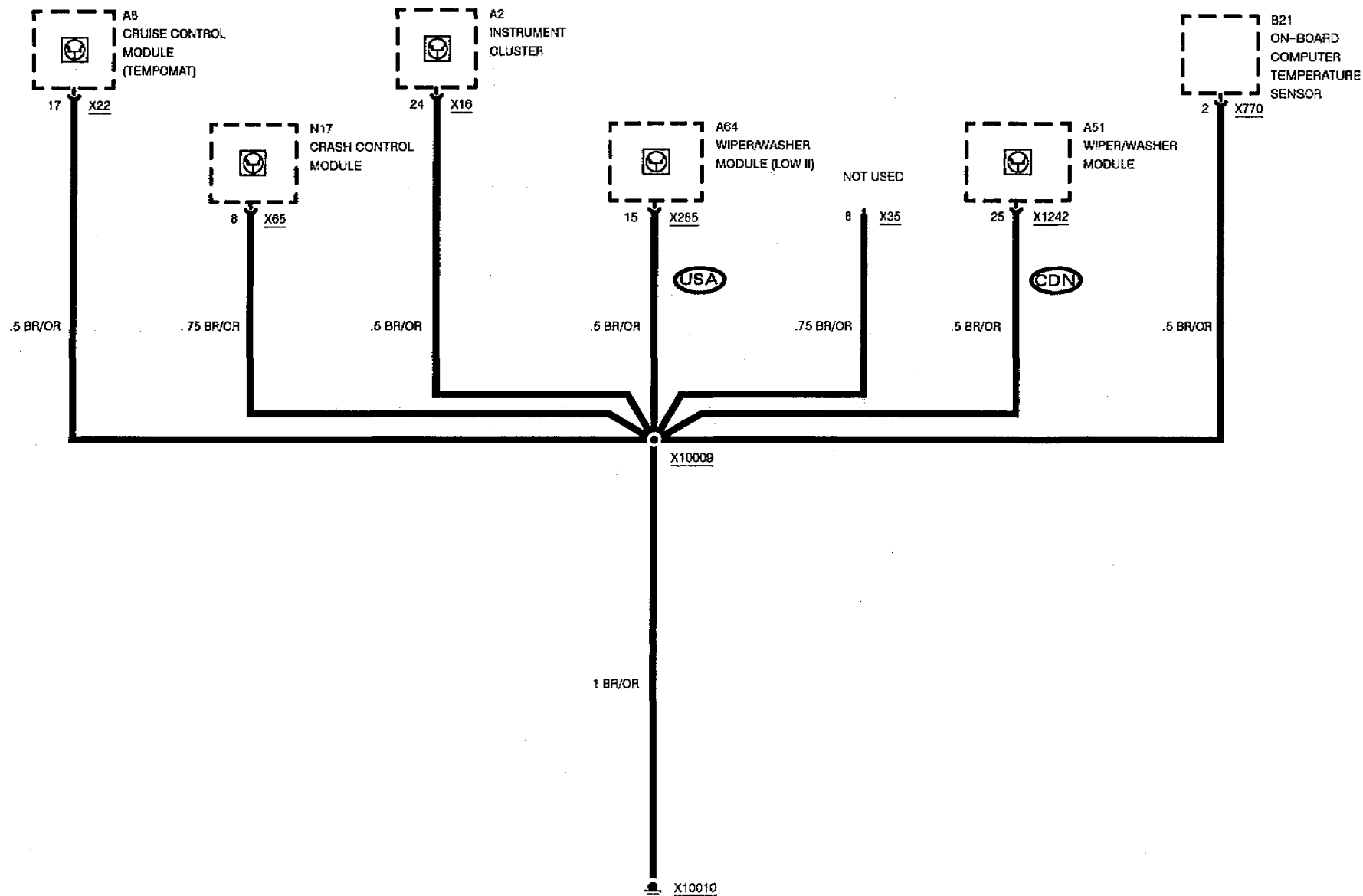
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GROUND DISTRIBUTION

GROUND X10010



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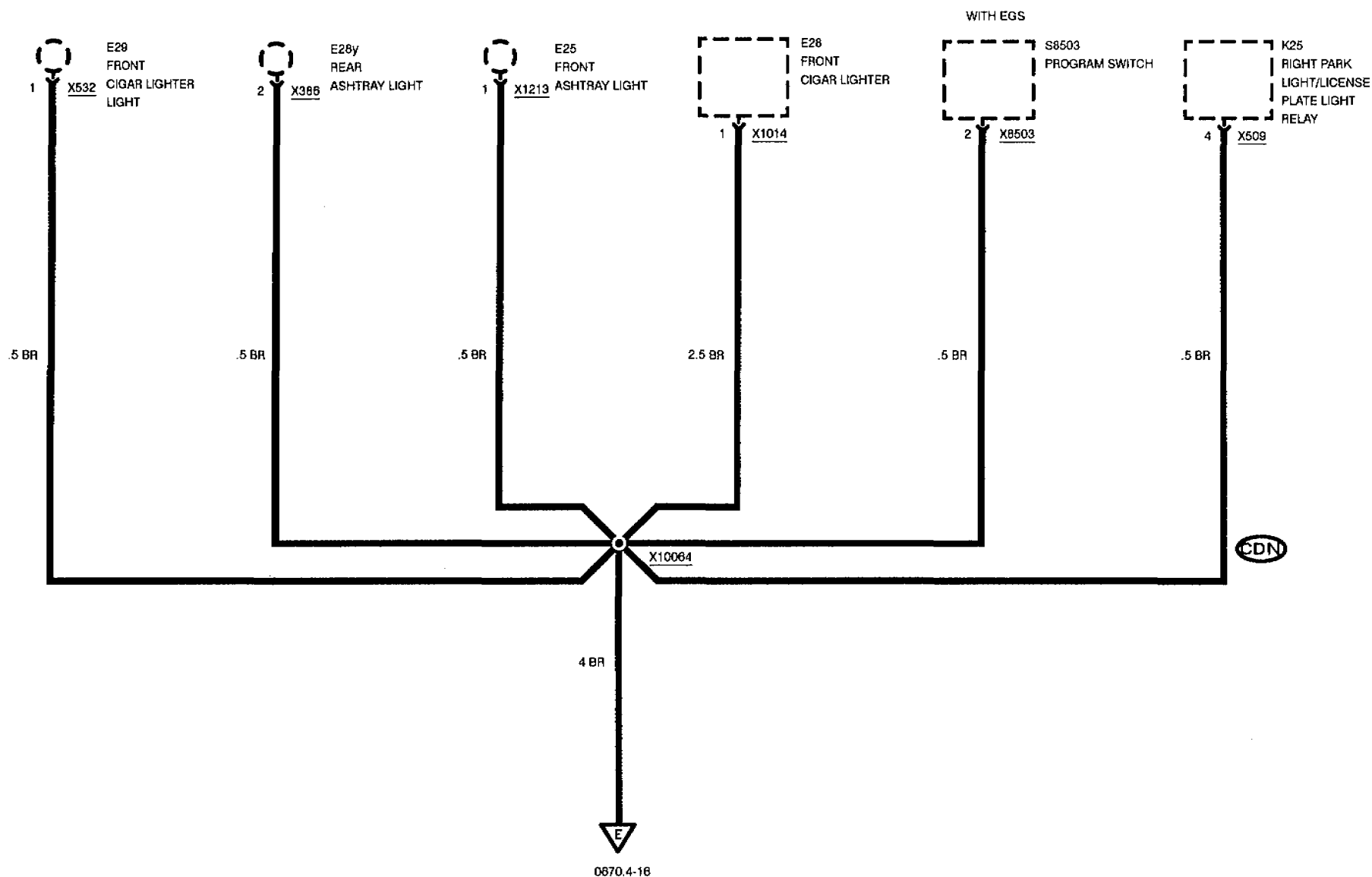
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GROUND DISTRIBUTION

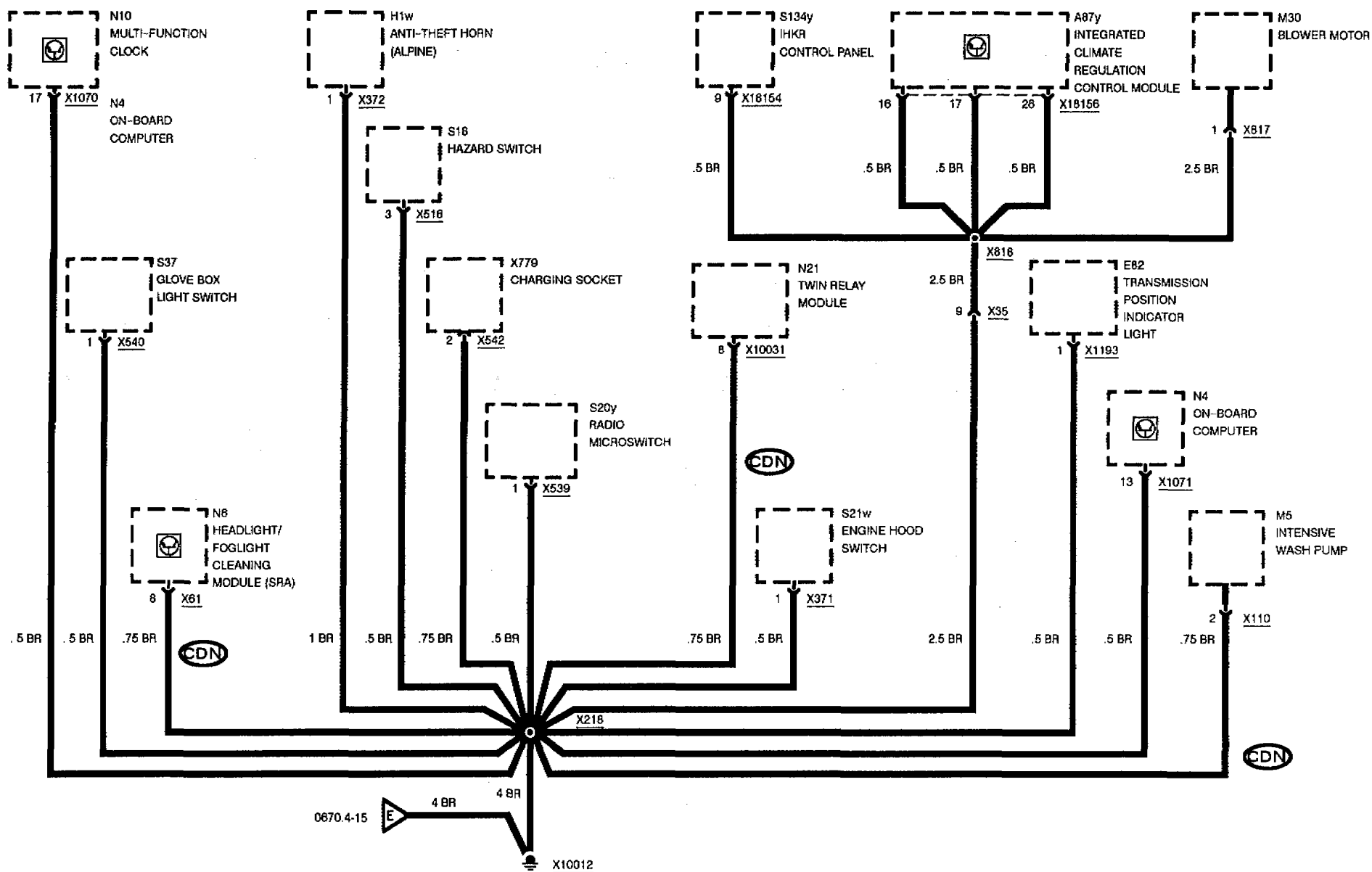
GROUND X10012





GROUND DISTRIBUTION

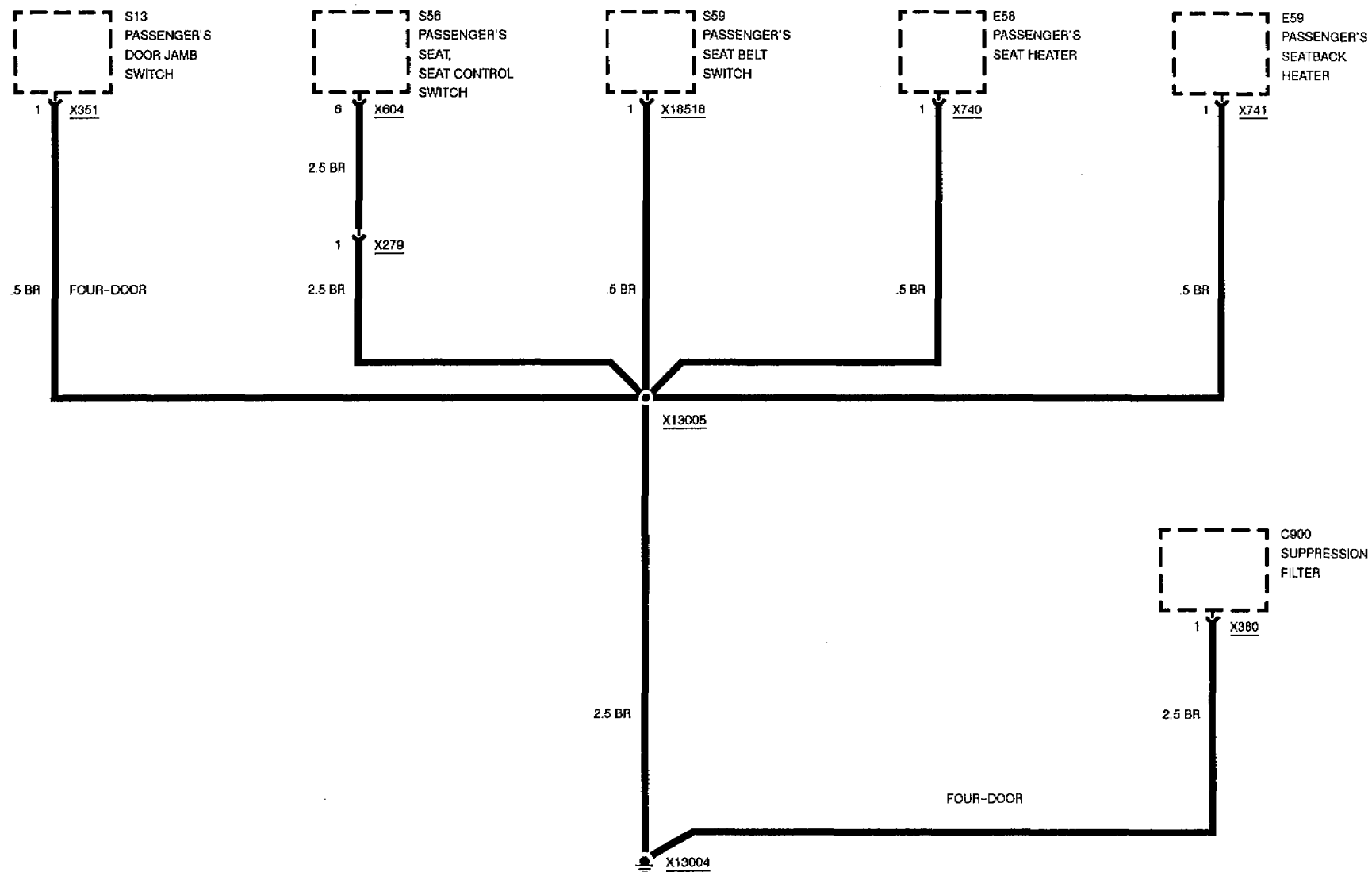
GROUND X10012

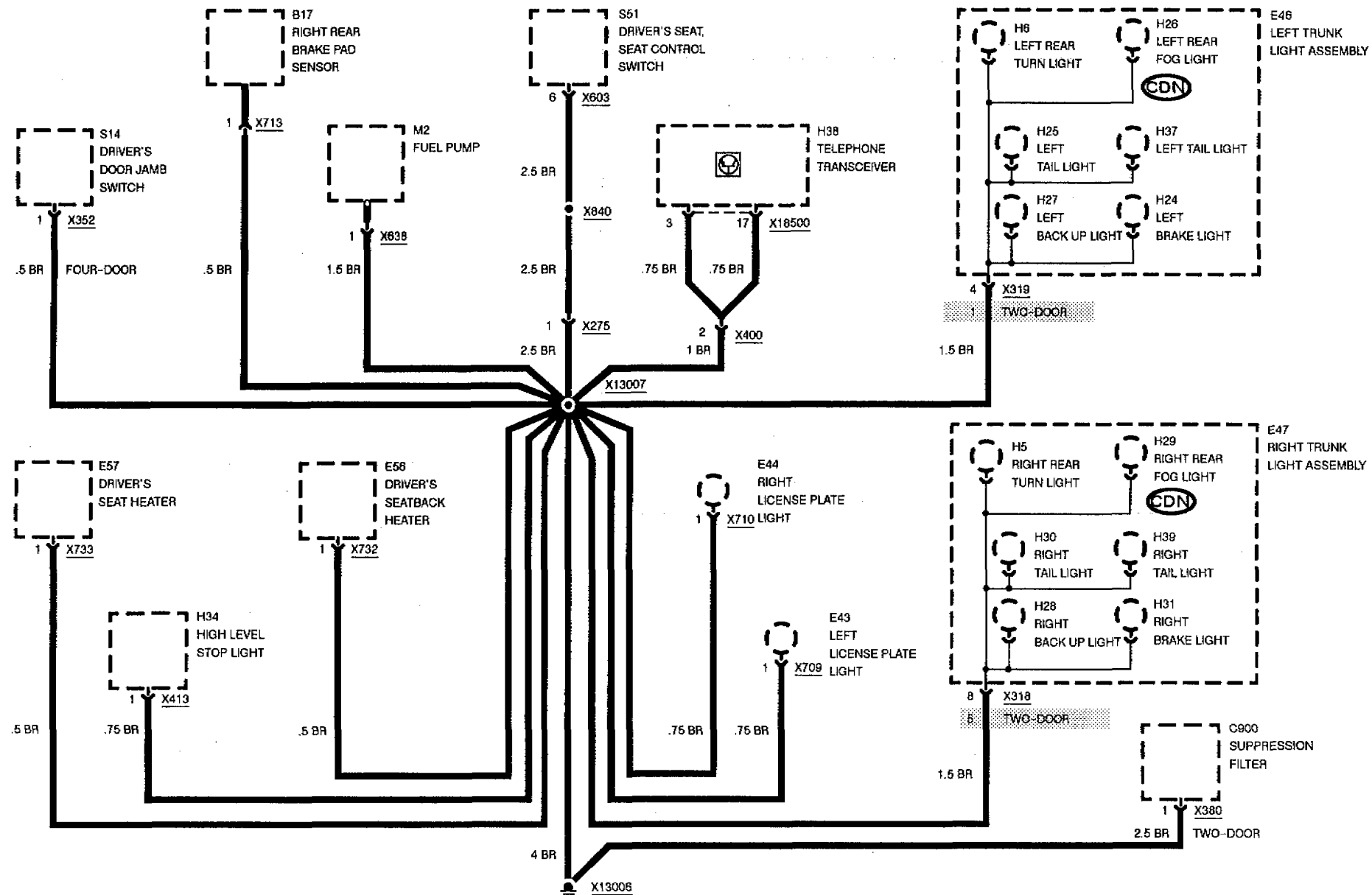




GROUND DISTRIBUTION

GROUND X13004

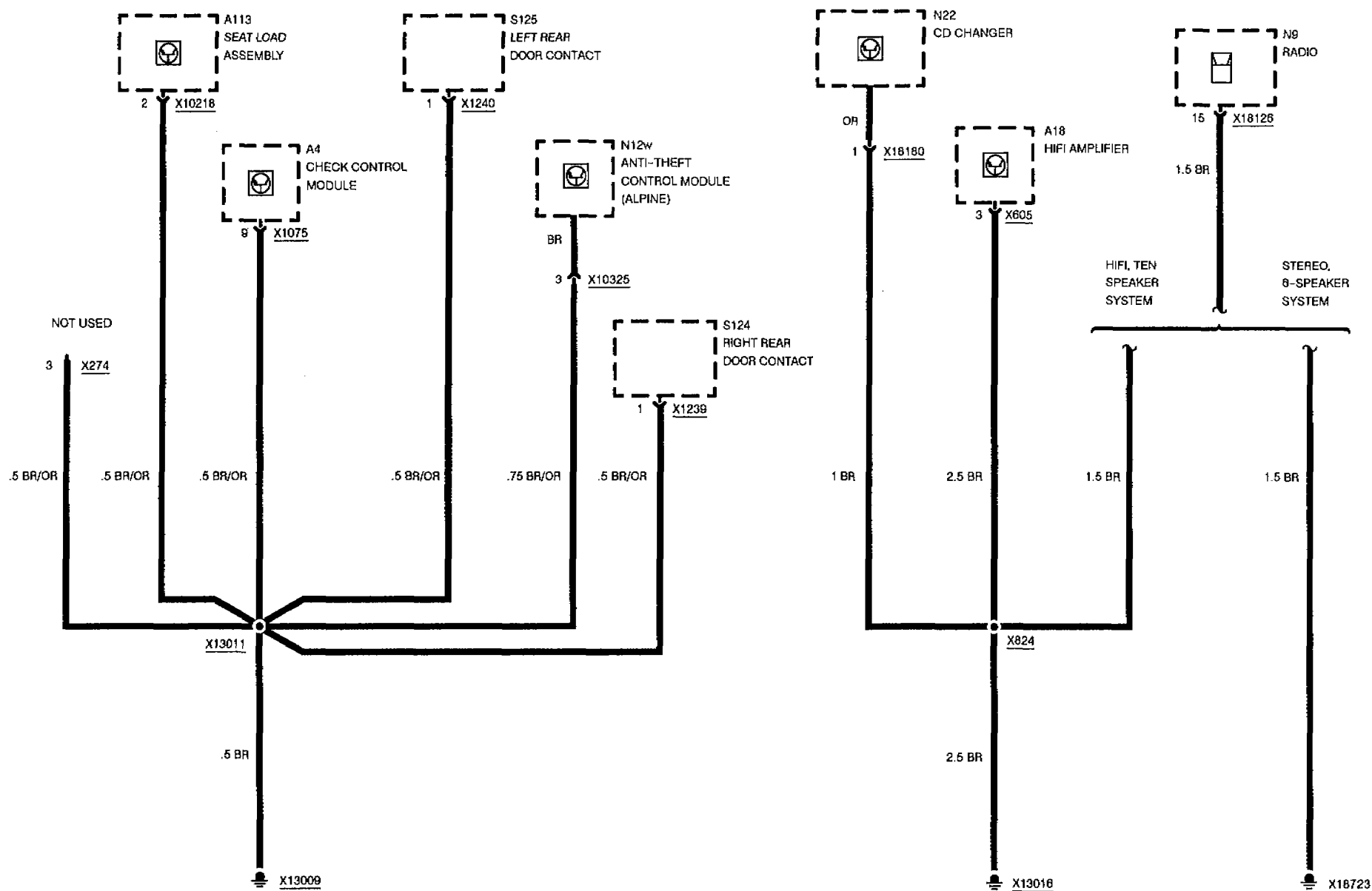






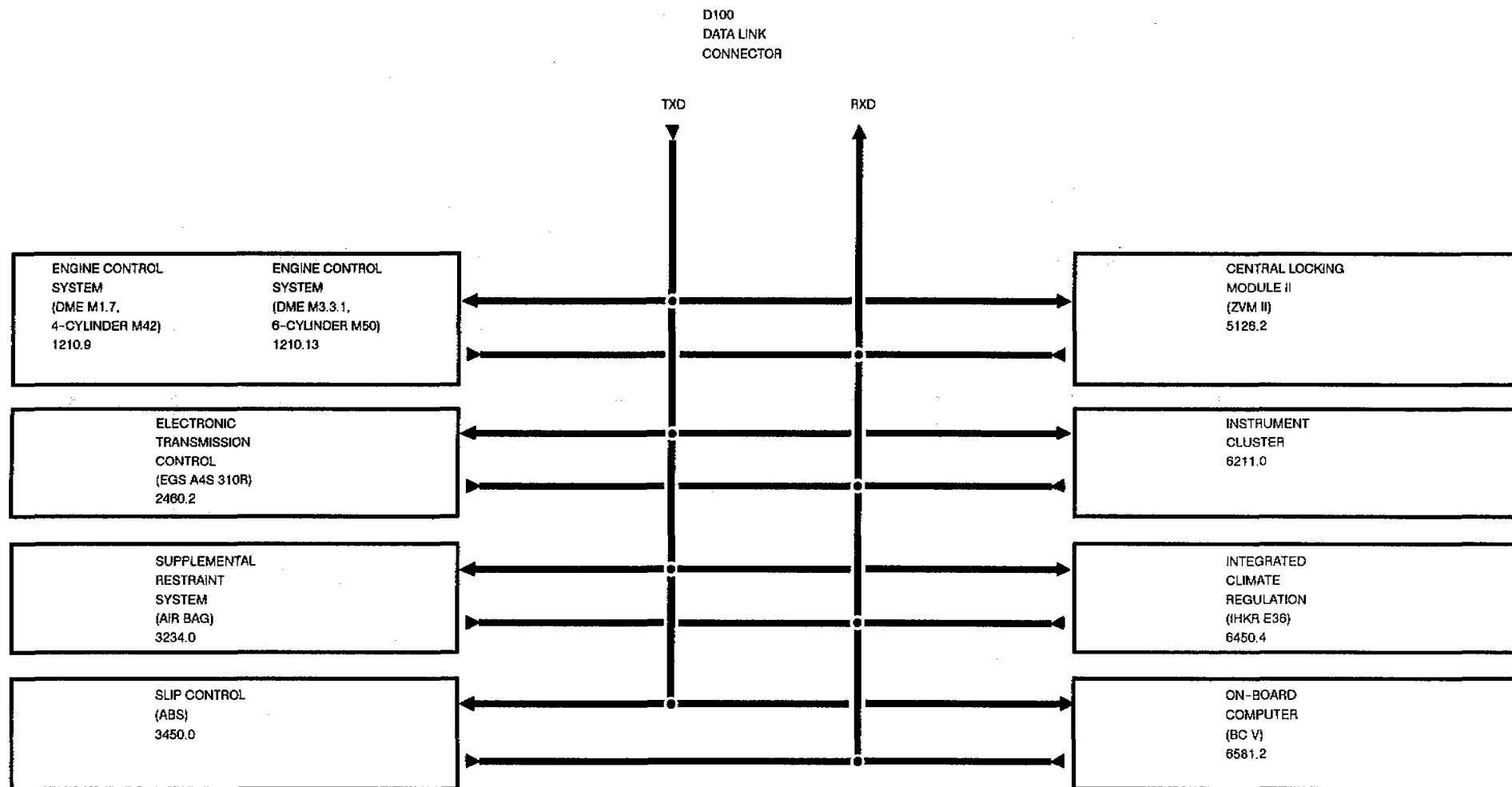
GROUND DISTRIBUTION

GROUNDS X13009, X13016, AND X18723





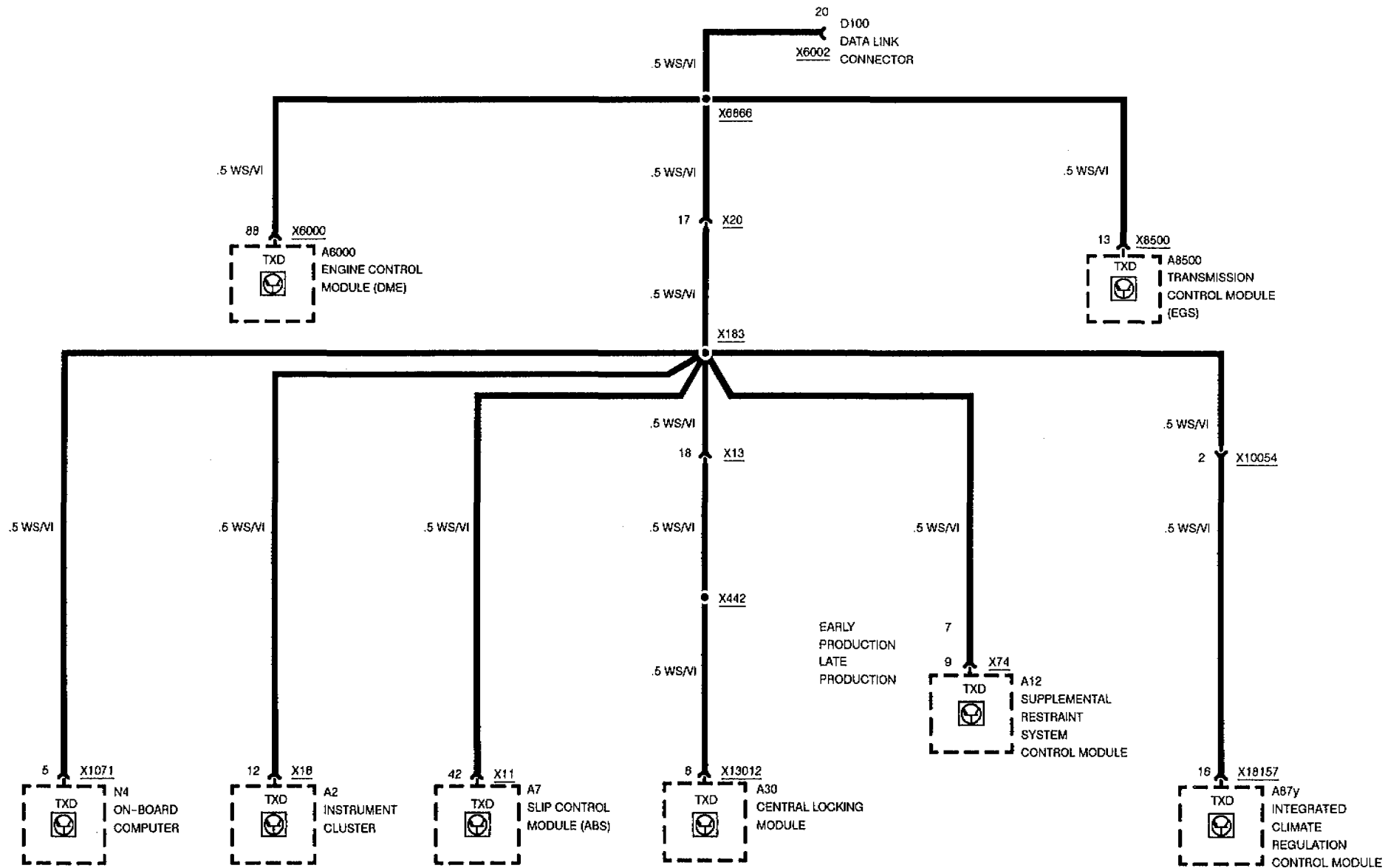
DATA LINK BLOCK DIAGRAM





DATA LINK

TXD, PIN 20

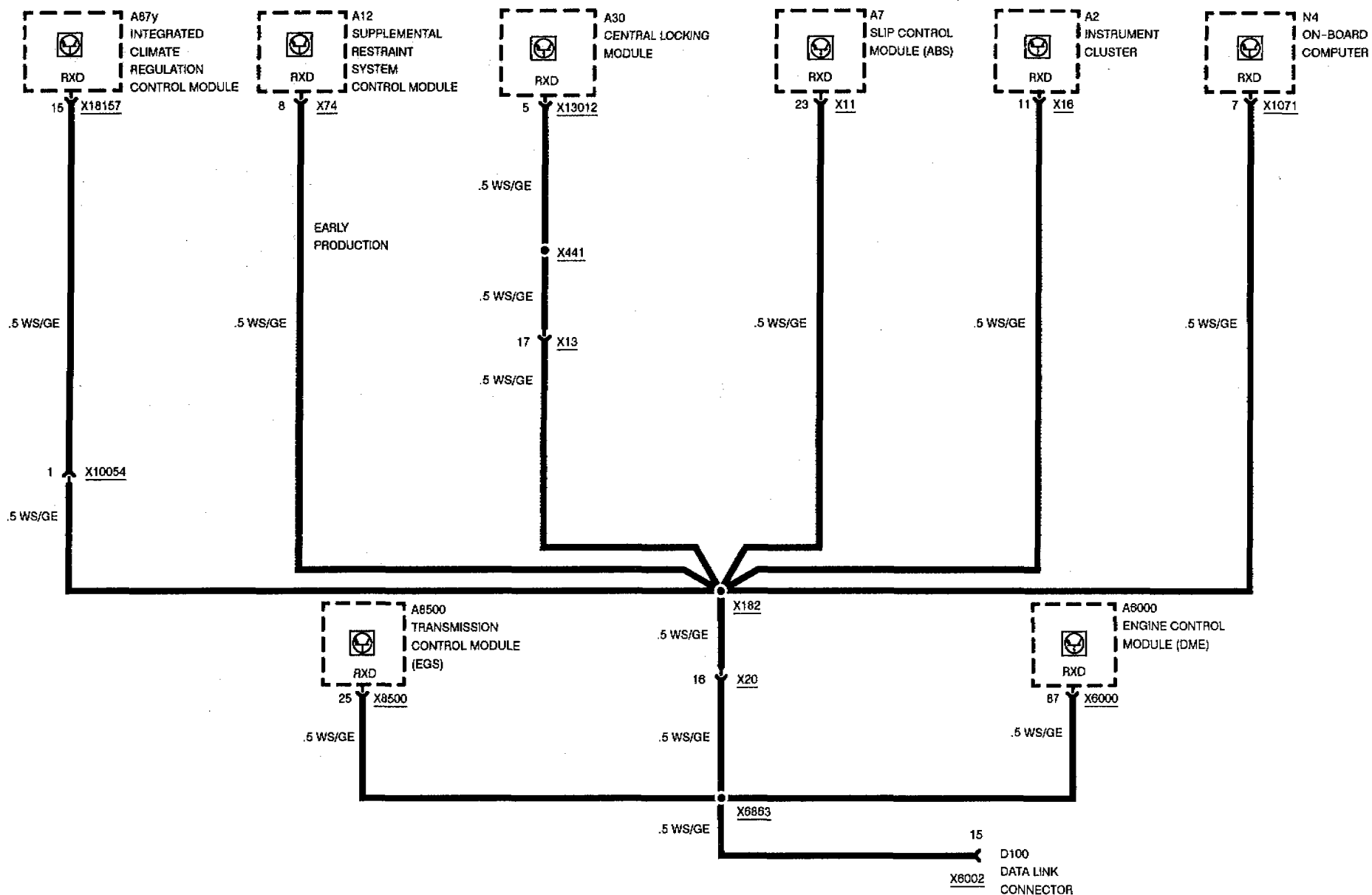


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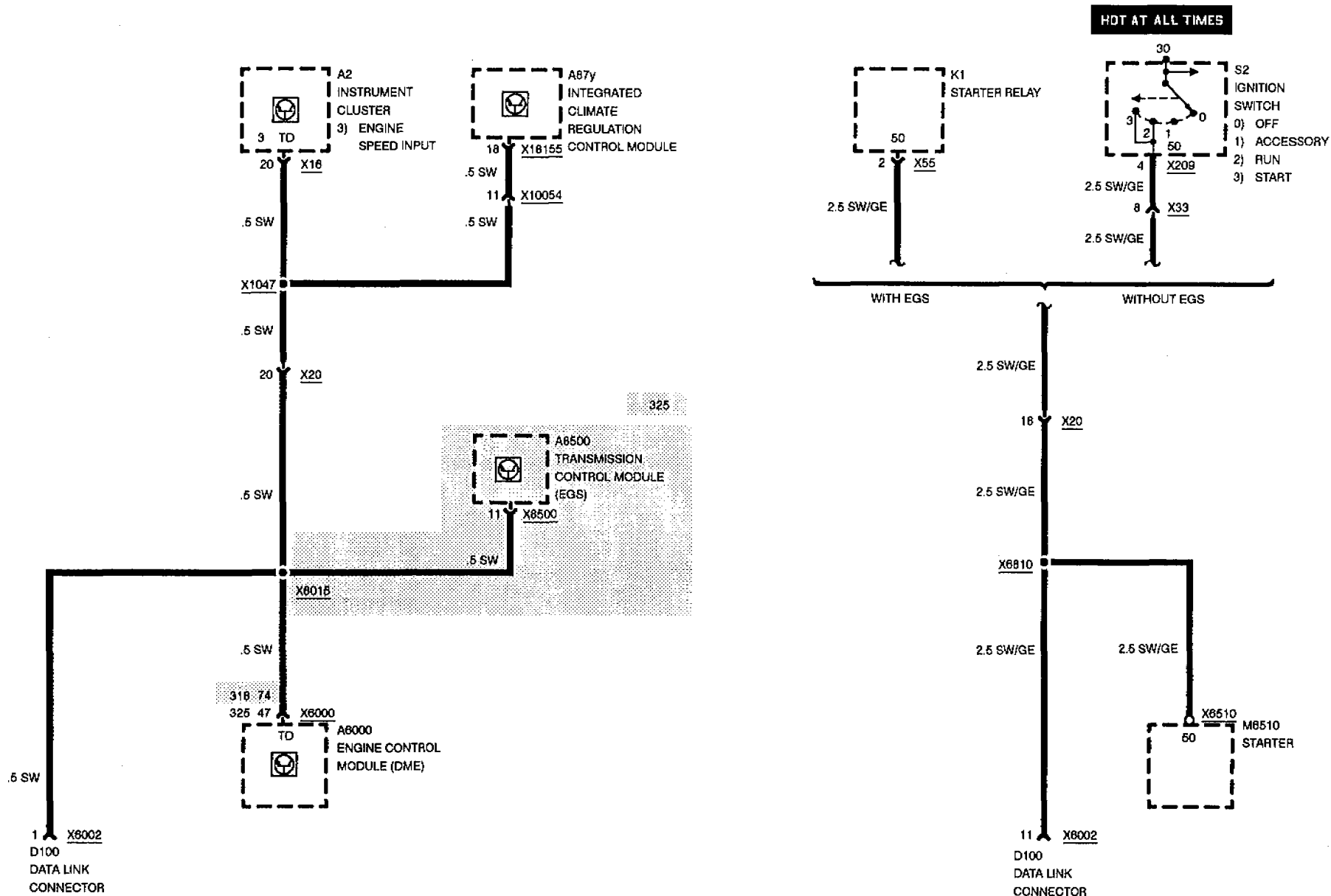
BMW
3 DATA LINK
RXD, PIN 15





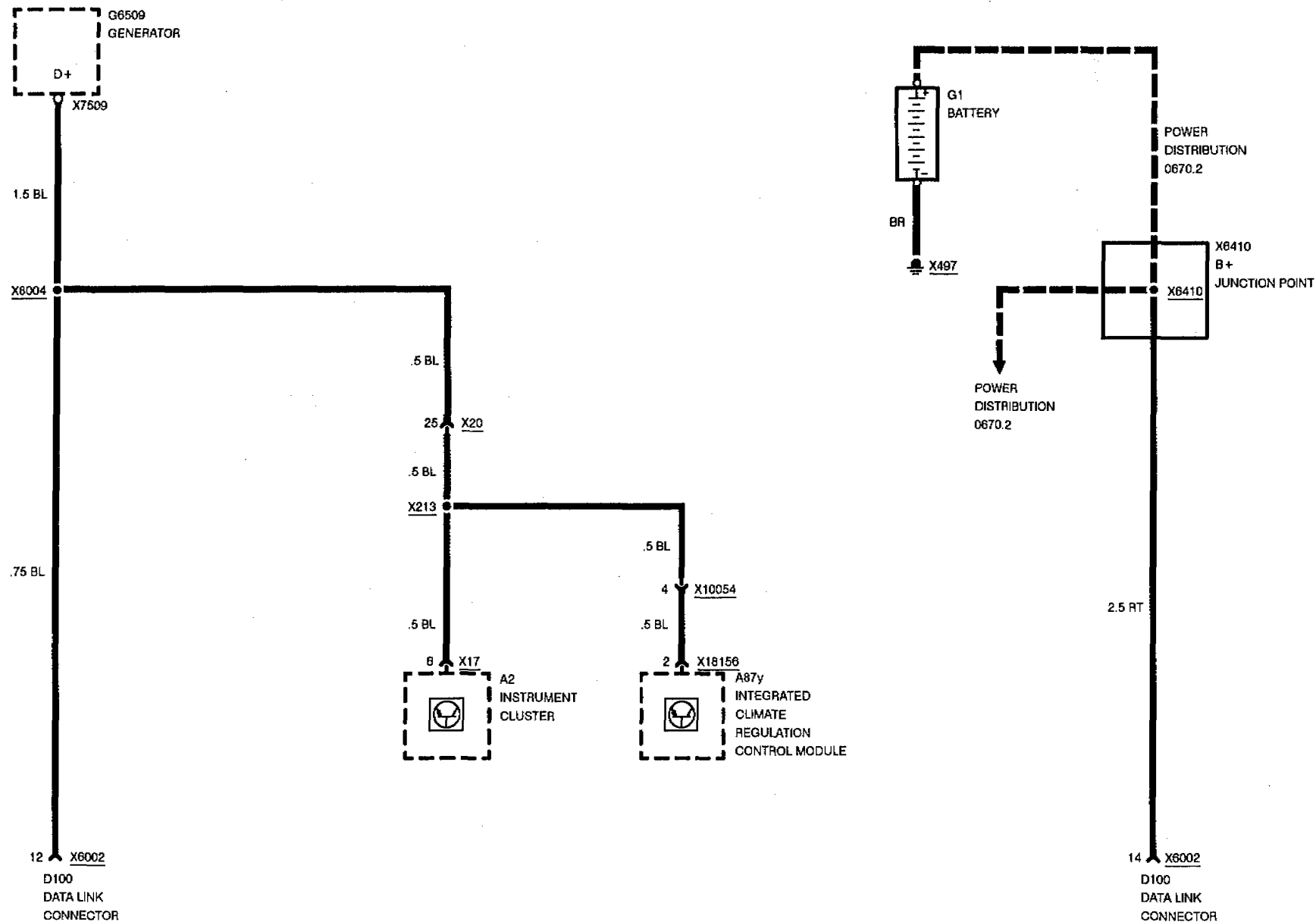
DATA LINK

DATA LINK PINS 1 AND 11



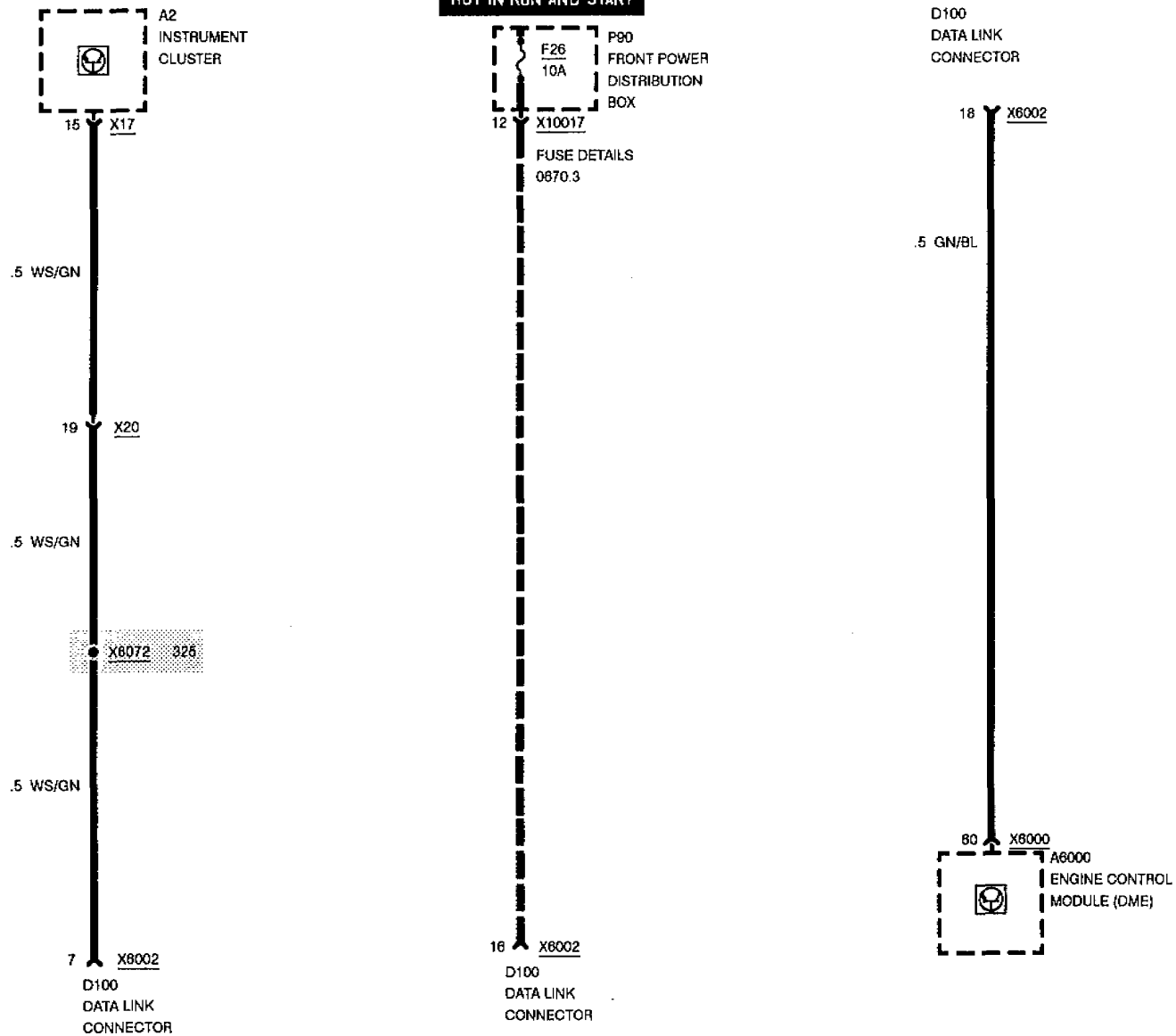
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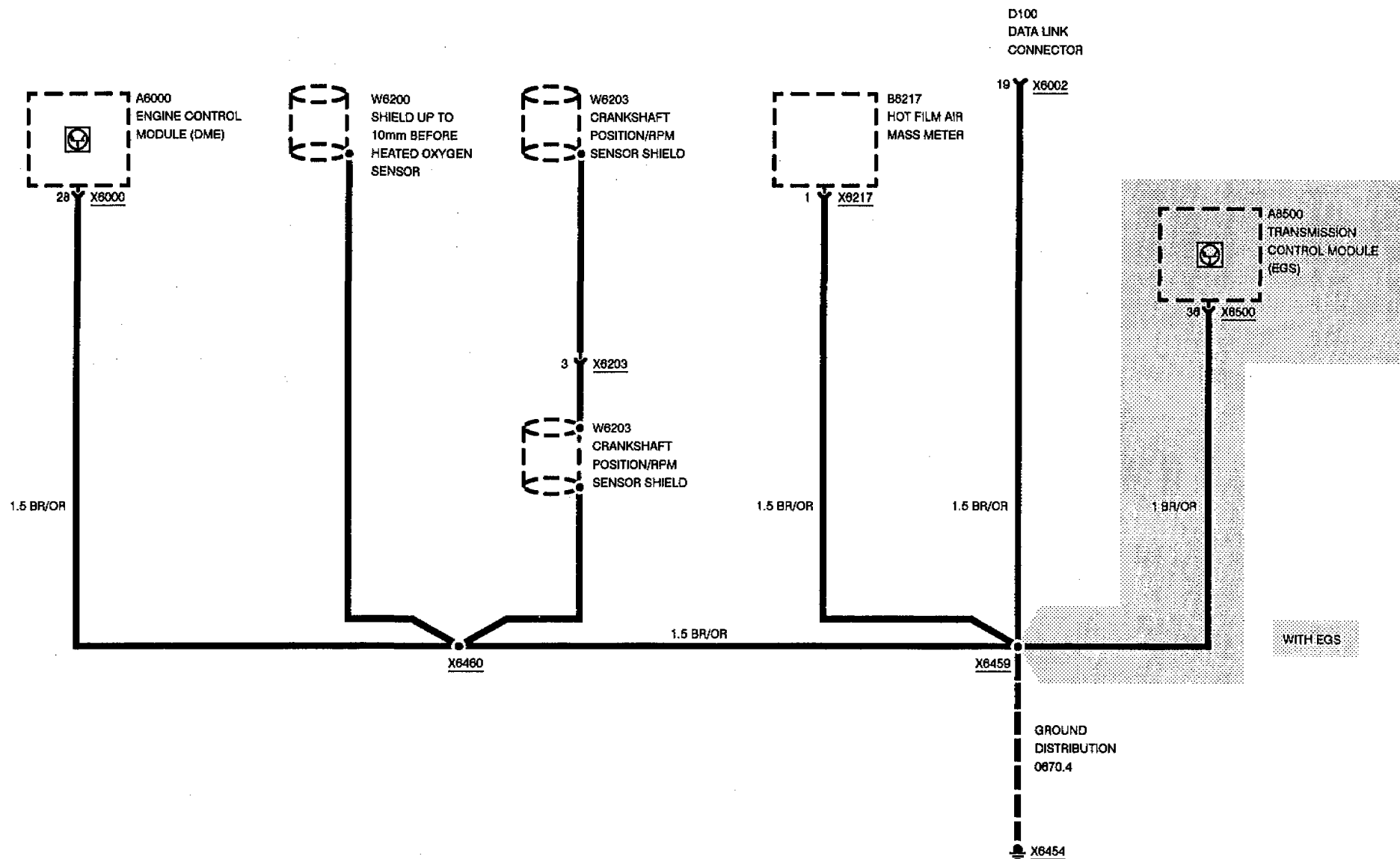
DATA LINK PINS 12 AND 14

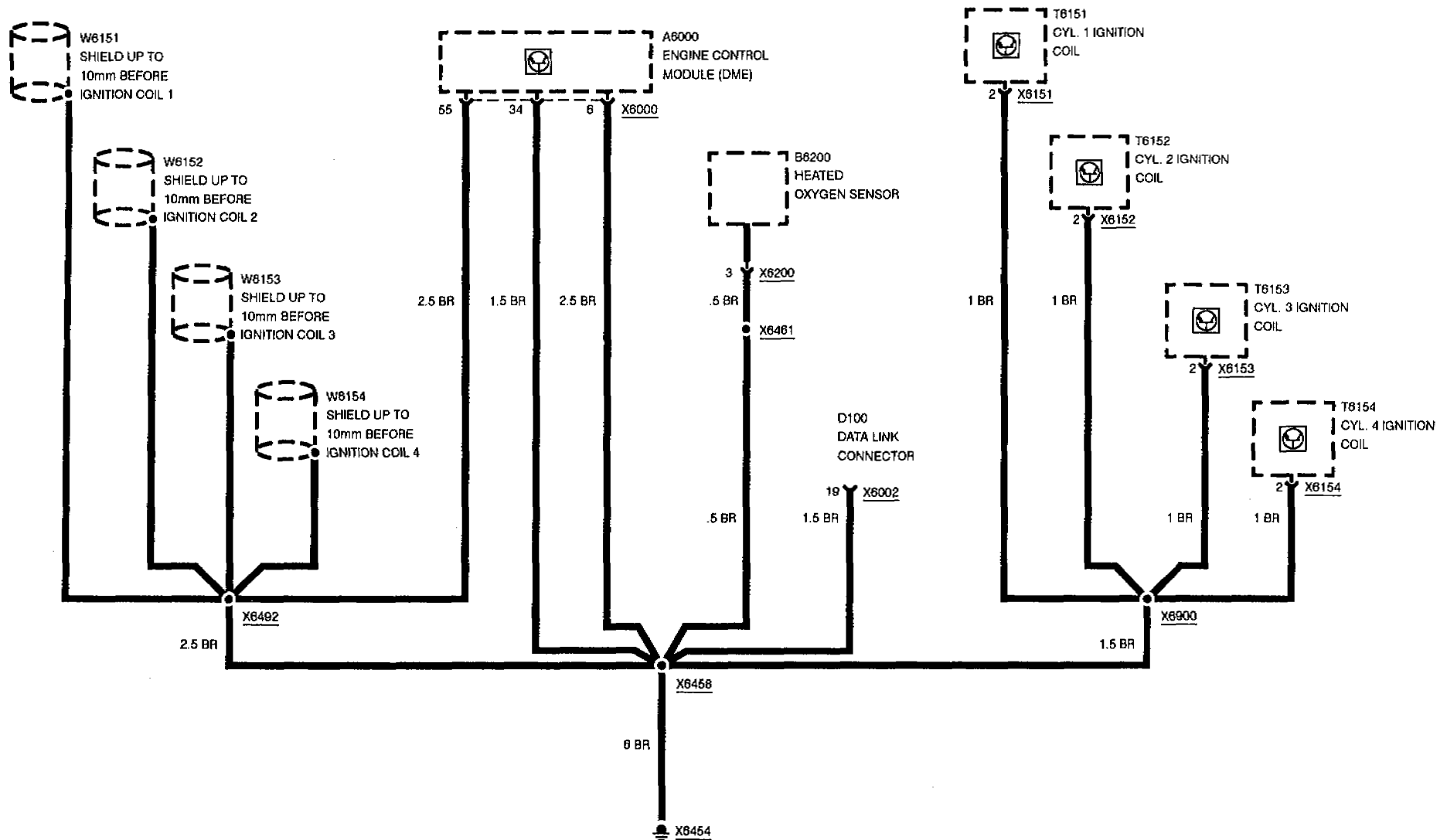


DATA LINK

DATA LINK PINS 7, 16, AND 18



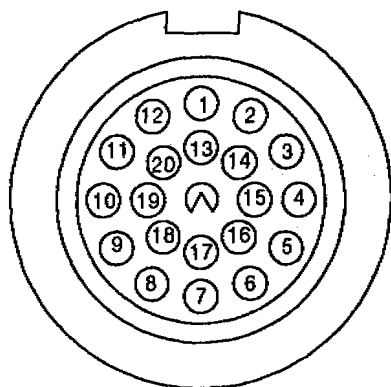




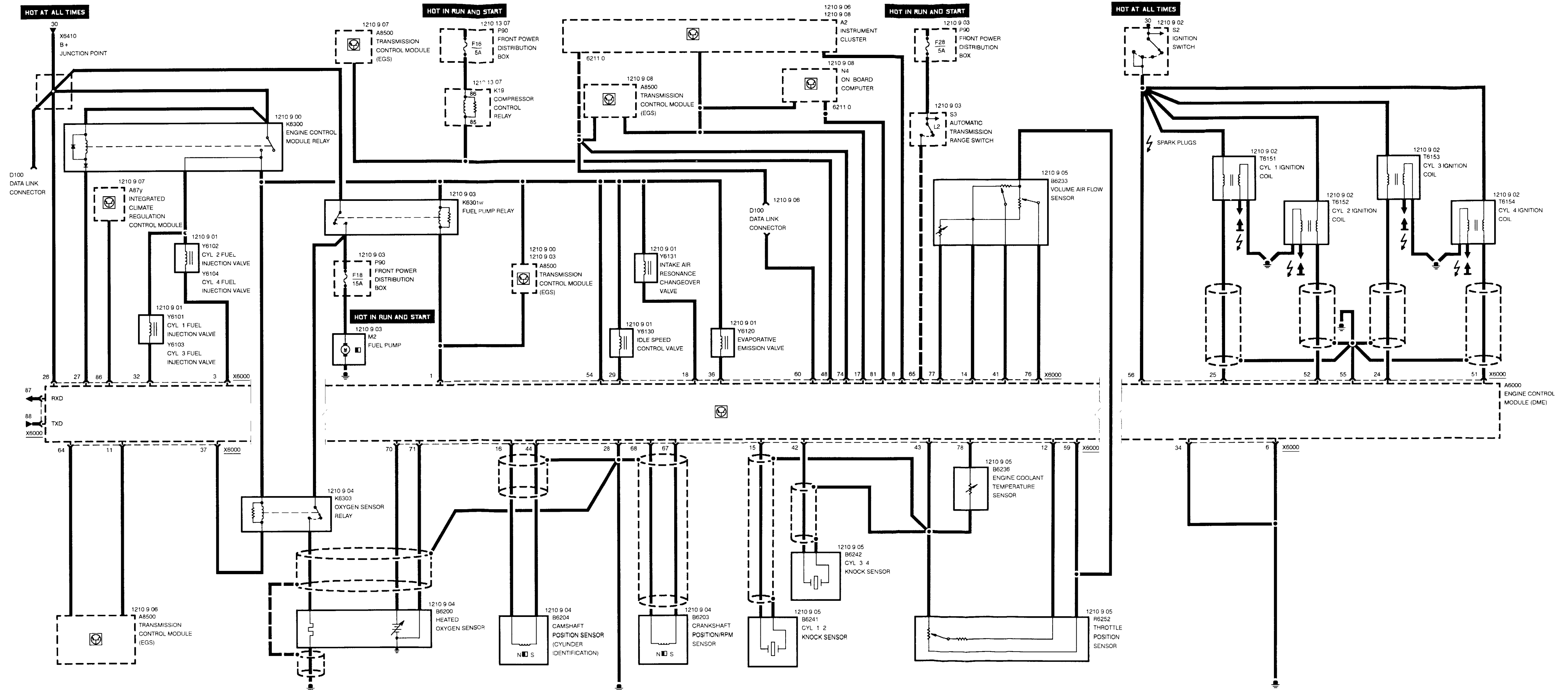


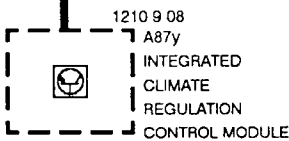
DATA LINK

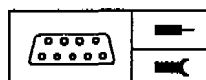
DATA LINK CONNECTOR (X6002)



PIN NUMBER	TERMINAL NUMBER	TERMINAL DESCRIPTION	WIRE COLOR
1	-	MOTOR	SW
2	-	NOT OCCUPIED	
3	-	NOT OCCUPIED	
4	-	NOT OCCUPIED	
5	-	NOT OCCUPIED	
6	-	NOT OCCUPIED	
7	SI	SERVICE INTERVAL RESET	WS/GN
8	-	NOT OCCUPIED	
9	-	NOT OCCUPIED	
10	-	NOT OCCUPIED	
11	50	VOLTAGE: IGNITION SWITCH IN START	SW/GE
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	-	NOT OCCUPIED	
18	-	PROGRAM SELECT FOR ENGINE CONTROL MODULE (DME)	GN/BL
19	31	GROUND	BR
20	TXD	DIAGNOSTIC DATA LINK	WS/VI





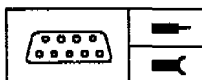


Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Fuel pump relay control	Fuel pump relay, terminal 85
2		Not used	
3	A	Cyl. 2 and cyl. 4 fuel injection valve control	Cyl. 2 and cyl. 4 fuel injection valves
4		Not used	
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		Not used	
11	A	DKV potentiometer signal	Transmission control module (EGS)
12	E	Throttle position	Throttle position sensor
13		Not used	
14	E	Volume air flow sensor	Volume air flow sensor
15	E	Cyl. 1-2 knock sensor	Cyl. 1-2 knock sensor
16	E	Camshaft position sensor (cylinder identification)	Camshaft position sensor (cylinder identification)
17	A	ti measurement signal (fuel consumption)	Instrument cluster
18	A	Intake air resonance changeover valve control	Intake air resonance changeover valve
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
25	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
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
29	A	Idle speed control valve control	Idle speed control valve
30		Not used	
31		Not used	

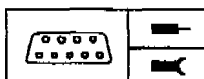
E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
32	A	Cyl. 1 and cyl. 3 fuel injection valve control	Cyl. 1 and cyl. 3 fuel injection valves
33		Not used	
34	M	Ground, remaning output stages (except for ignition and fuel injection valves)	Ground point
35		Not used	
36	A	Evaporative emission valve control	Evaporative emission valve
37	A	Oxygen sensor heater control	Oxygen sensor relay, terminal 85
38		Not used	
39		Not used	
40		Not used	
41	E	Volume air flow sensor	Volume air flow sensor
42	E	Cyl. 3-4 knock sensor	Cyl. 3-4 knock sensor
43	M	Ground for sensors	Engine coolant temperature sensor, cyl. 1-2 knock sensor, cyl. 3-4 knock sensor, and throttle position sensor
44	E	Camshaft position sensor (cylinder identification)	Camshaft position sensor (cylinder identification)
45		Not used	
46		Not used	
47		Not used	
48	A	A/C compressor cut-out	Compressor control relay, terminal 85
49		Not used	
50		Not used	
51	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
52	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
53		Not used	
54	E	Battery voltage from engine control module relay	Engine control module relay, terminal 87a
55	M	Ground, ignition	Ground point
56	E	Ignition switch, terminal 15	Ignition switch, terminal 15
57		Not used	
58		Not used	
59	A	5V component supply	Throttle position sensor and volume air flow sensor
60	E	Programming voltage	Data link connector
61		Not used	
62		Not used	

E = Input, A = Output, M = Ground



Pin Assignments

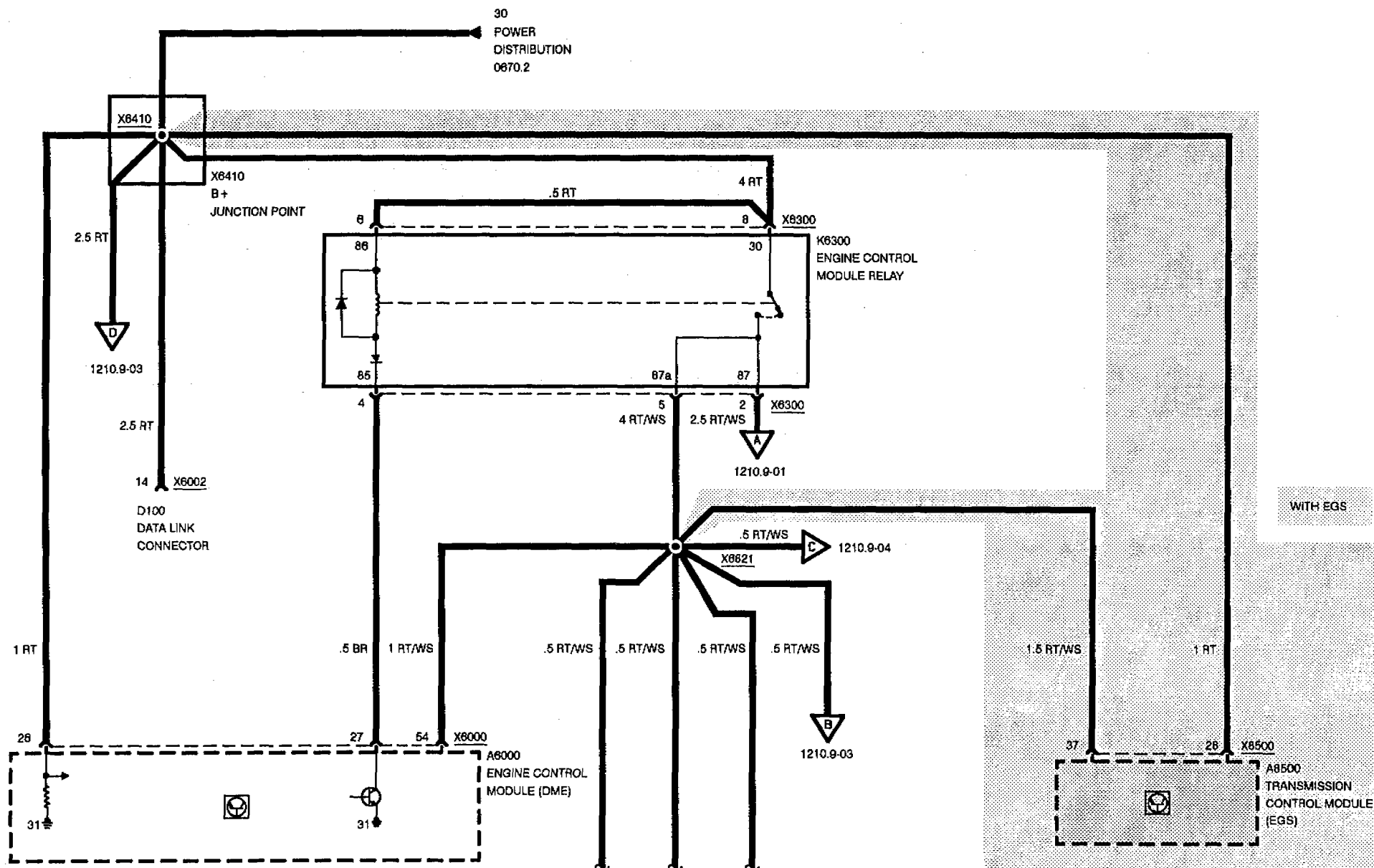
Pin	Type	Description/Function	Connection
63		Not used	
64	E	Ignition timing intervention	Transmission control module (EGS)
65	E	Drive range P/N	Automatic transmission range switch
66		Not used	
67	E	Crankshaft position RPM sensor	Crankshaft position RPM sensor
68	A	Crankshaft position RPM sensor	Crankshaft position RPM sensor
69		Not used	
70	E	Oxygen sensor signal	Heated oxygen sensor
71	M	Oxygen sensor signal ground	Heated oxygen sensor
72		Not used	
73	E	Vehicle speed signal	Instrument cluster
74	A	Crankshaft RPM speed signal TD	Instrument cluster
75		Not used	
76	E	Volume air flow sensor	Volume air flow sensor
77	E	Volume air flow sensor	Volume air flow sensor
78	E	Engine coolant temperature	Engine coolant temperature sensor
79		Not used	
80		Not used	
81	E	Drive-away protection signal (code)	On-board computer
82		Not used	
83		Not used	
84		Not used	
85	E	A/C pressure	Pressure switch
86	E	A/C switch	Integrated climate regulation control module
87	A	RxD diagnosis data line	Data link connector
88	E/A	TxD diagnosis data line	Data link connector

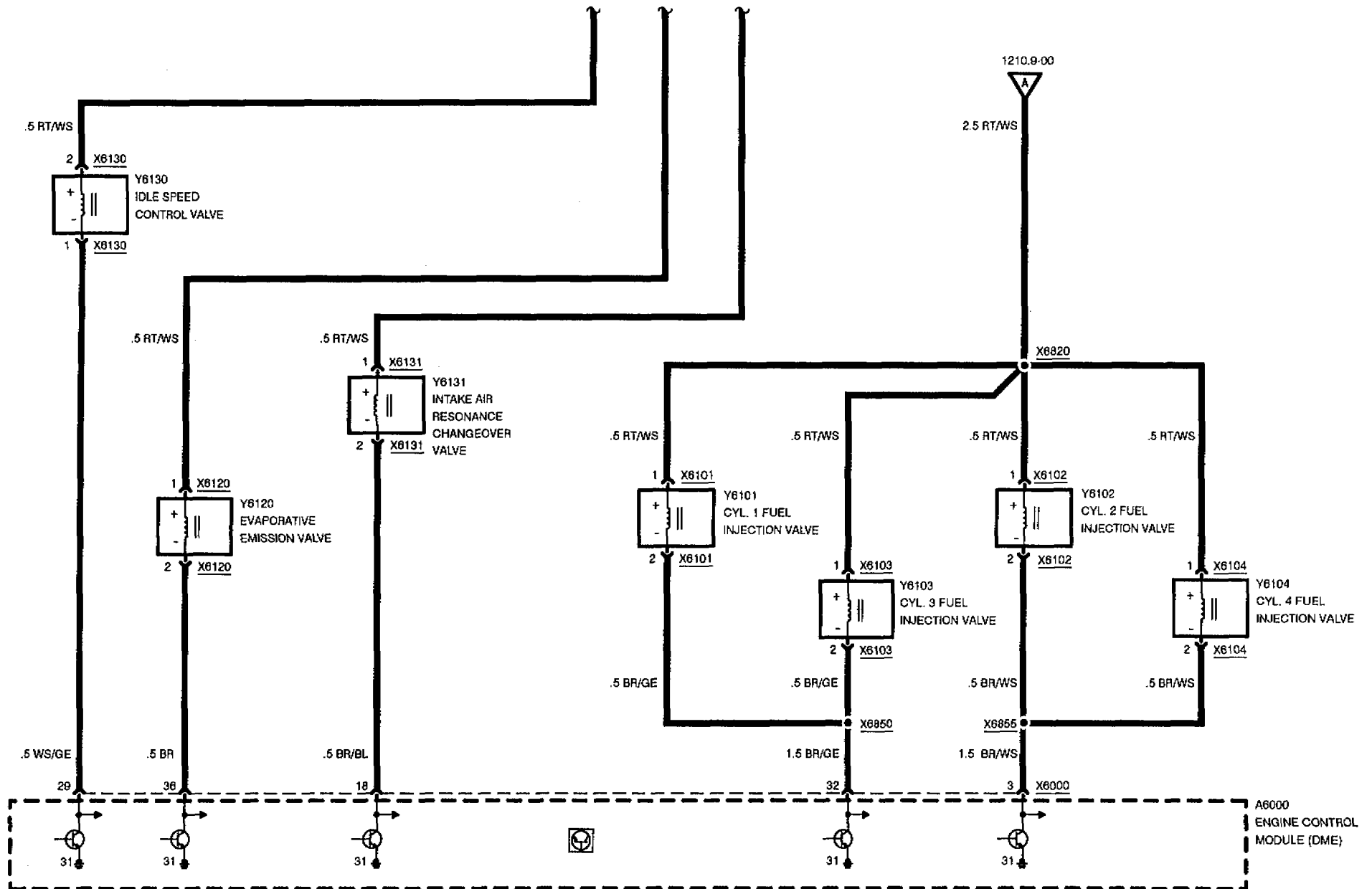
E = Input, A = Output, M = Ground



ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

POWER, FUEL INJECTION VALVES

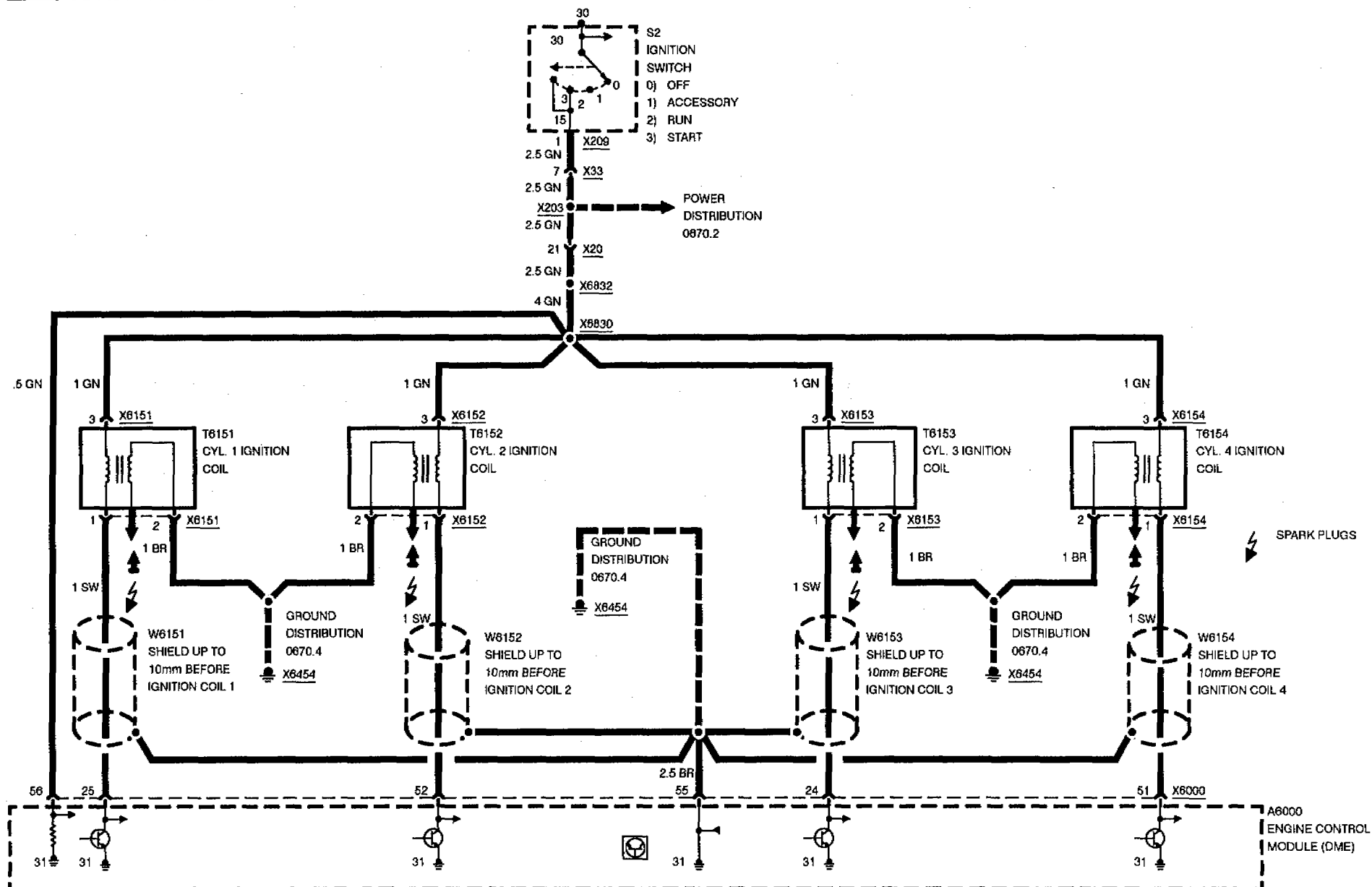






ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

IGNITION COILS



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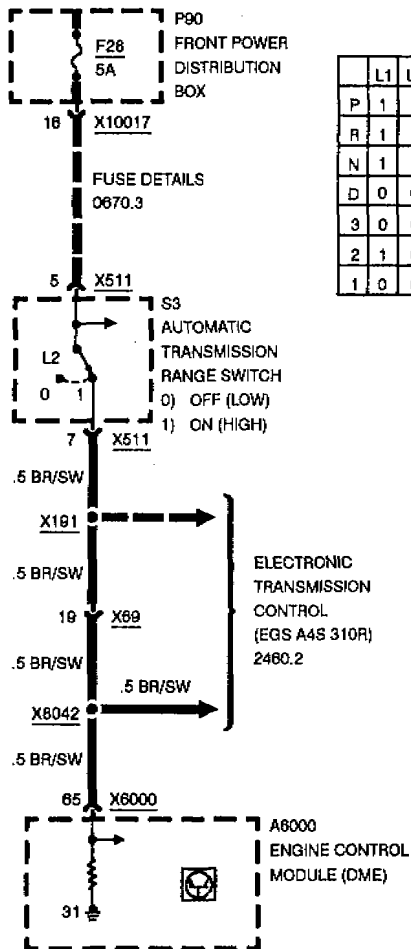
1210.9-02

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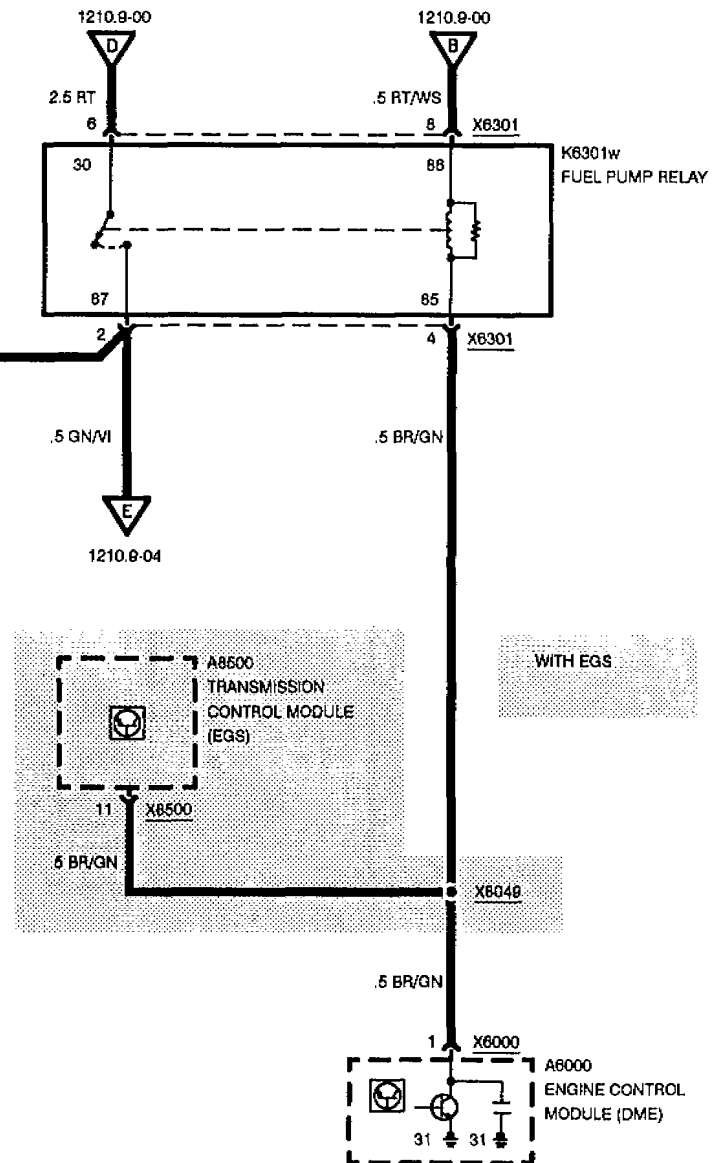
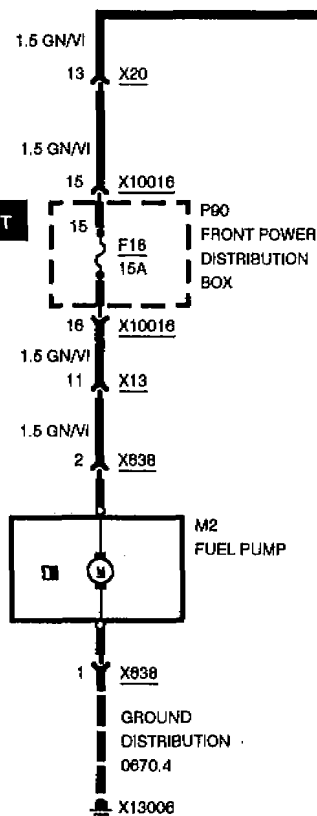
ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

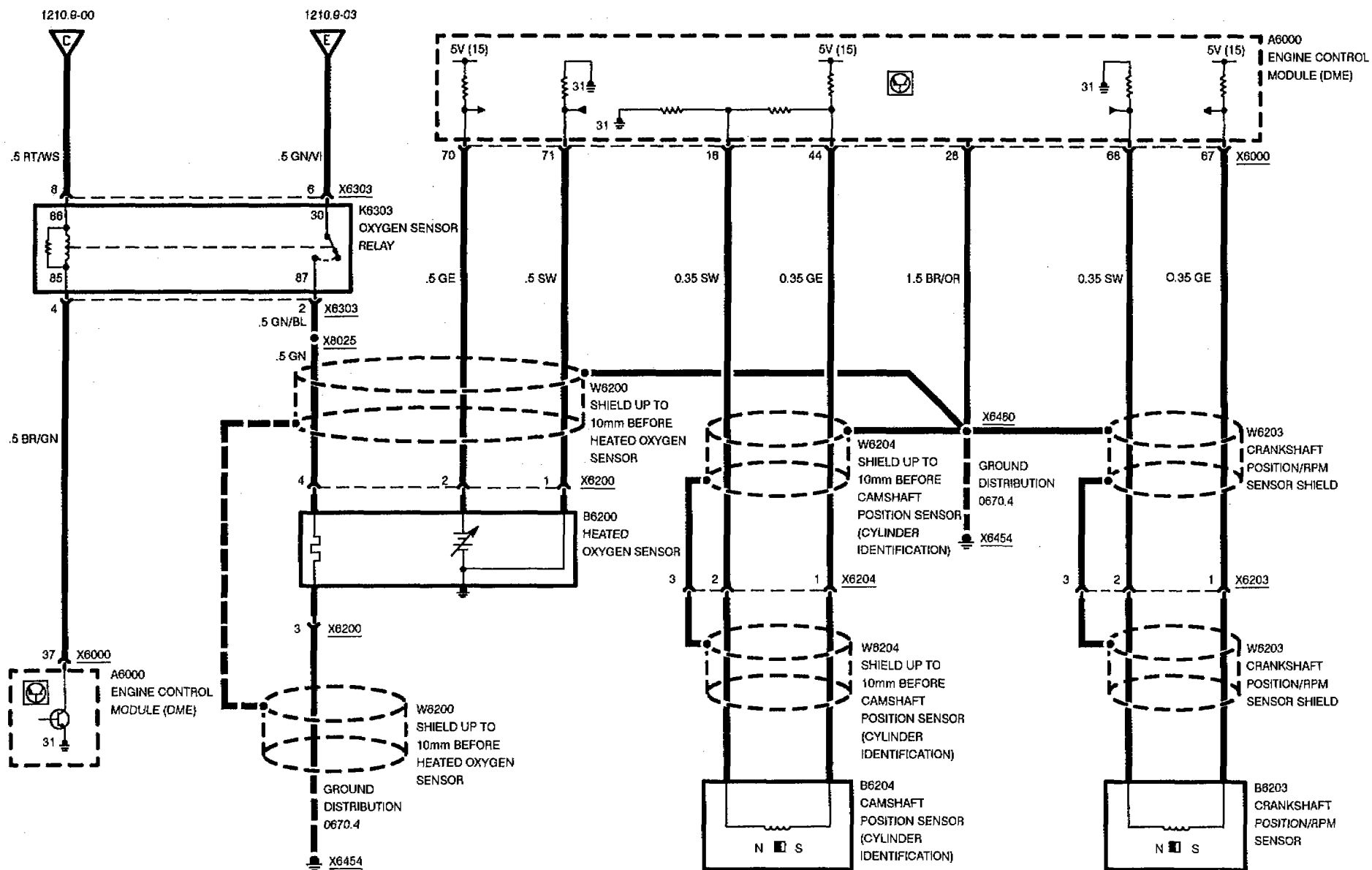
FUEL PUMP

HOT IN RUN AND START



HOT IN RUN AND START



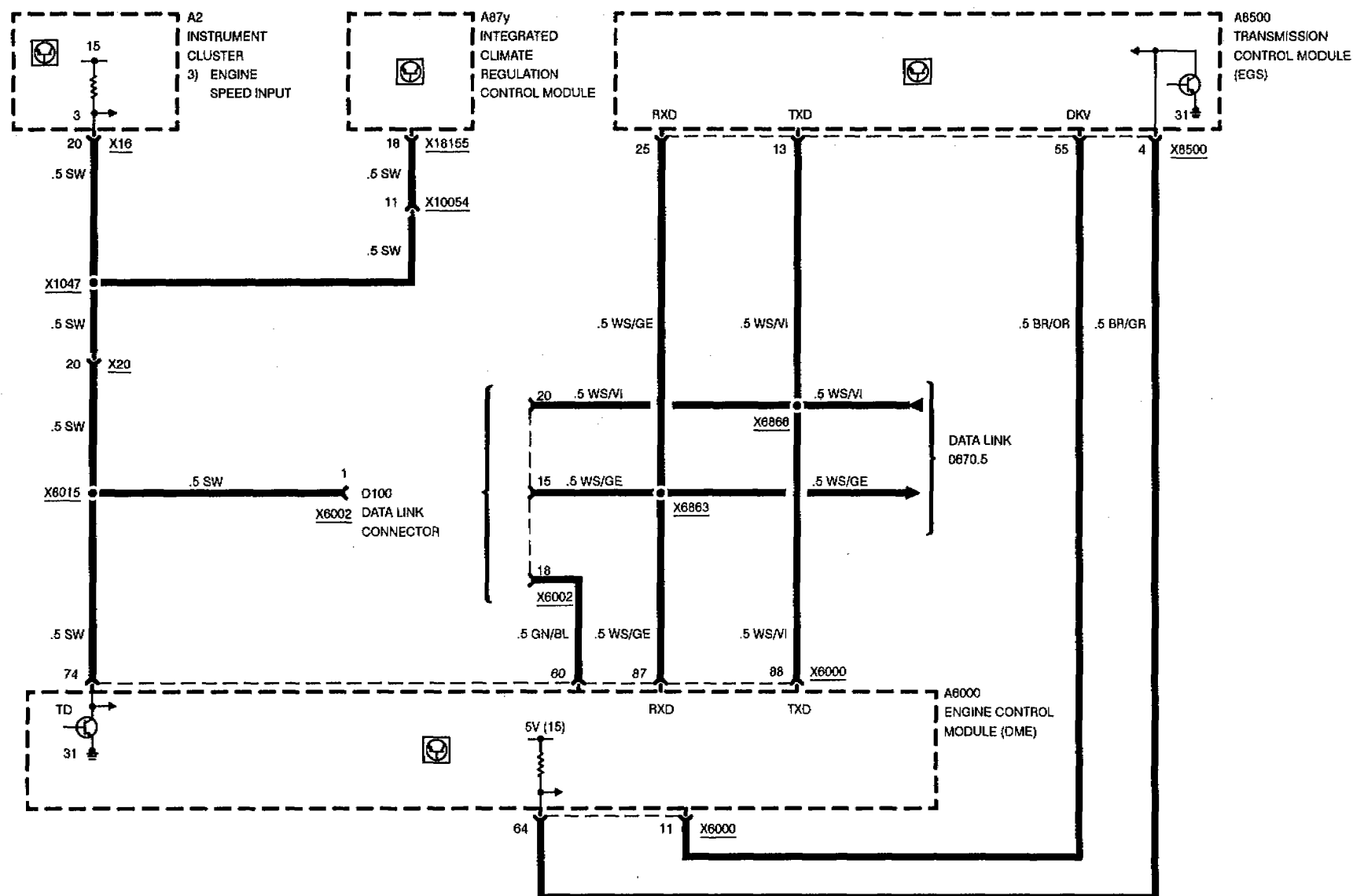




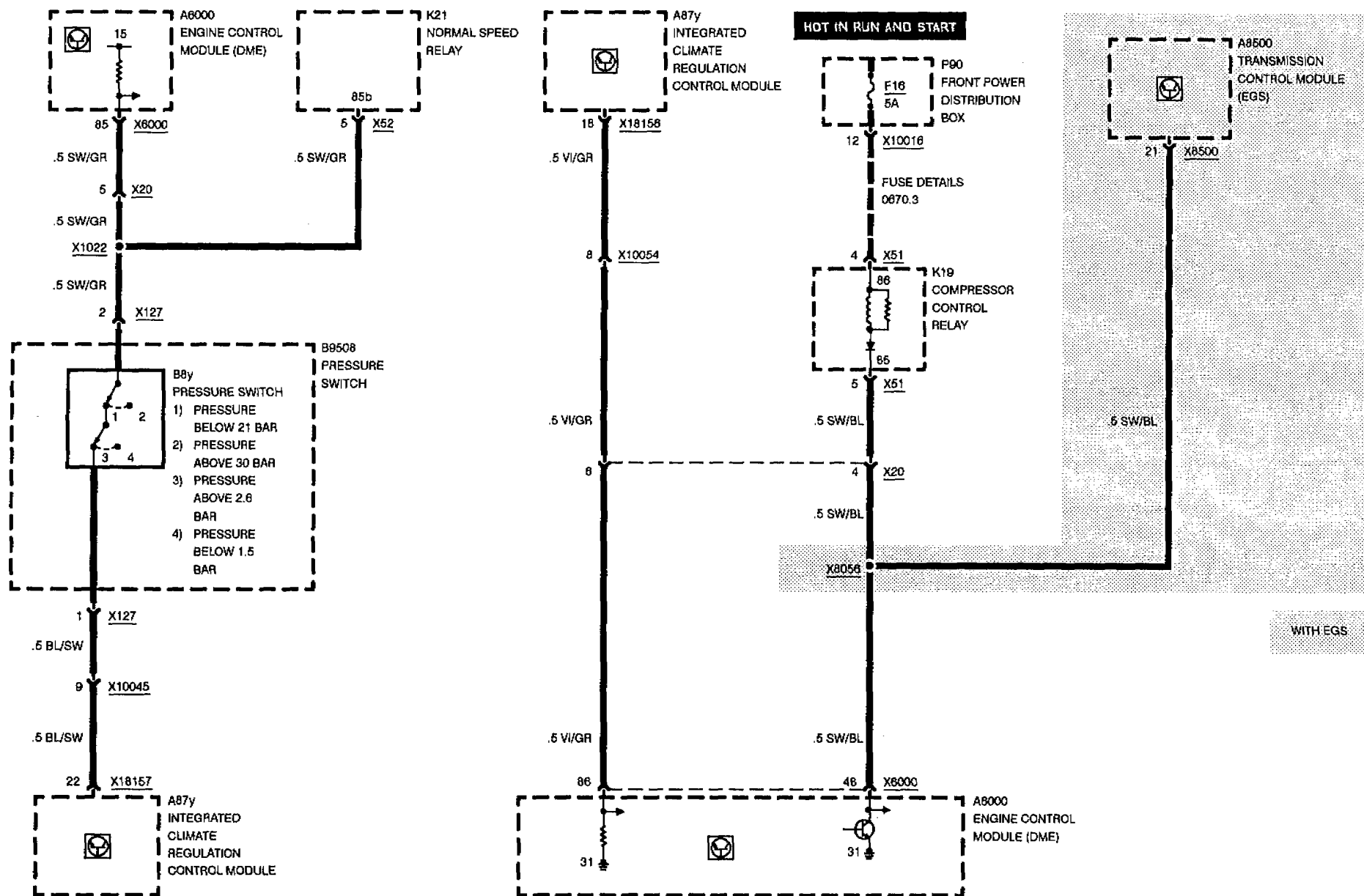
1210.9-05

ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

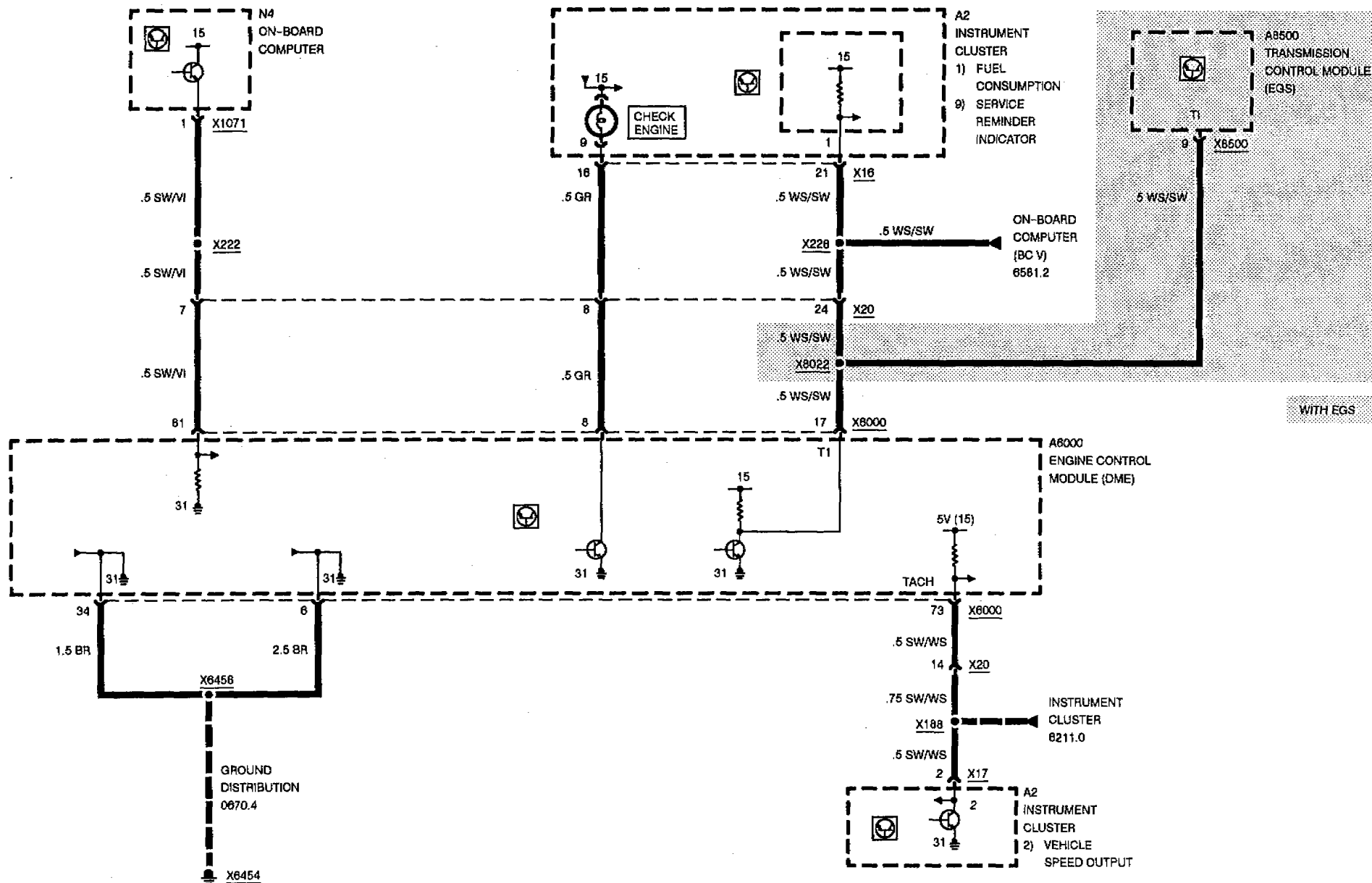
DATA LINK

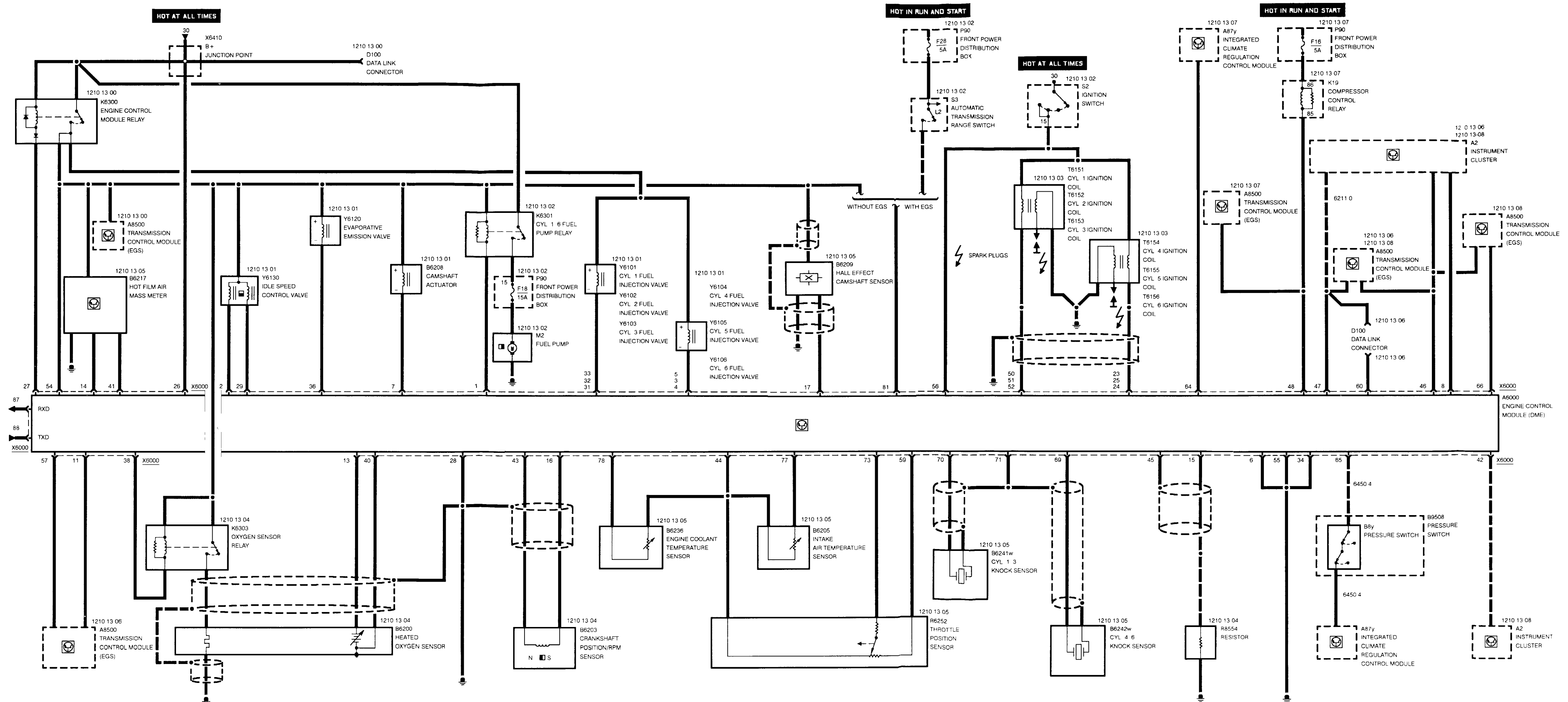


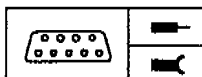
ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)



ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)





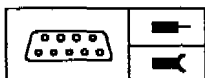


Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Fuel pump relay control	Fuel pump relay, terminal 85
2	A	Idle speed control valve - close winding control	Idle speed control valve
3	A	Cyl 5 fuel injection valve control	Cyl 5 fuel injection valve
4	A	Cyl 6 fuel injection valve control	Cyl 6 fuel injection valve
5	A	Cyl 4 fuel injection valve control	Cyl 4 fuel injection valve
6	M	Ground, fuel injection valve output stages	Ground point
7	A	Camshaft actuator control	Camshaft actuator
8	A	"Check engine" indicator control	Instrument cluster
9		Not used	
10		Not used	
11	A	Throttle valve position	Transmission control module (EGS)
12		Not used	
13	E	Oxygen sensor signal	Heated oxygen sensor
14	A	Hot film air mass meter	Hot film air mass meter
15	M	Ground	Ground point
16	E	Crankshaft position/RPM sensor signal (+)	Crankshaft position/RPM sensor
17	E	Camshaft position sensor	Hall effect camshaft sensor
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Cyl 4 ignition coil control	Cyl 4 ignition coil
24	A	Cyl 6 ignition coil control	Cyl 6 ignition coil
25	A	Cyl 5 ignition coil control	Cyl 5 ignition coil
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
29	A	Idle speed control valve - opening winding control	Idle speed control valve
30		Not used	
31	A	Cyl 3 fuel injection valve control	Cyl 3 fuel injection valve

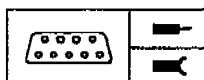
E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
32	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
33	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
34	M	Ground remaining output stages (except for ignition and fuel injection valves)	Ground point
35		Not used	
36	A	Evaporative emission valve control	Evaporative emission valve
37		Not used	
38	A	Oxygen sensor heater control	Oxygen sensor relay, terminal 85
39		Not used	
40	M	Oxygen sensor signal ground	Heated oxygen sensor
41	E	Hot wire air mass meter	Hot wire air mass meter
42	E	Vehicle speed signal	Instrument cluster
43	E	Crankshaft position/RPM sensor signal (-)	Crankshaft position/RPM sensor
44	M	Ground for sensors	Engine intake air temperature sensor, engine coolant temperature sensor, and throttle position sensor
45	M	Ground for shield	Shield
46	A	ti measurement signal (fuel consumption)	Instrument cluster
47	A	Crankshaft RPM speed signal TD	Instrument cluster
48	A	A/C compressor control	Compressor control relay, terminal 85
49		Not used	
50	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
51	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
52	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
53		Not used	
54	E	Battery voltage from engine control module relay	Engine control module relay, terminal 87a
55	M	Ground, ignition	Ground point
56	E	Ignition switch, terminal 15	Ignition switch
57	E	Ignition timing intervention	Transmission control module (EGS)
58		Not used	
59	A	5V component supply	Throttle position sensor
60	E	Programming voltage	Data link connector
61		Not used	
62		Not used	
63		Not used	

E = Input, A = Output, M = Ground



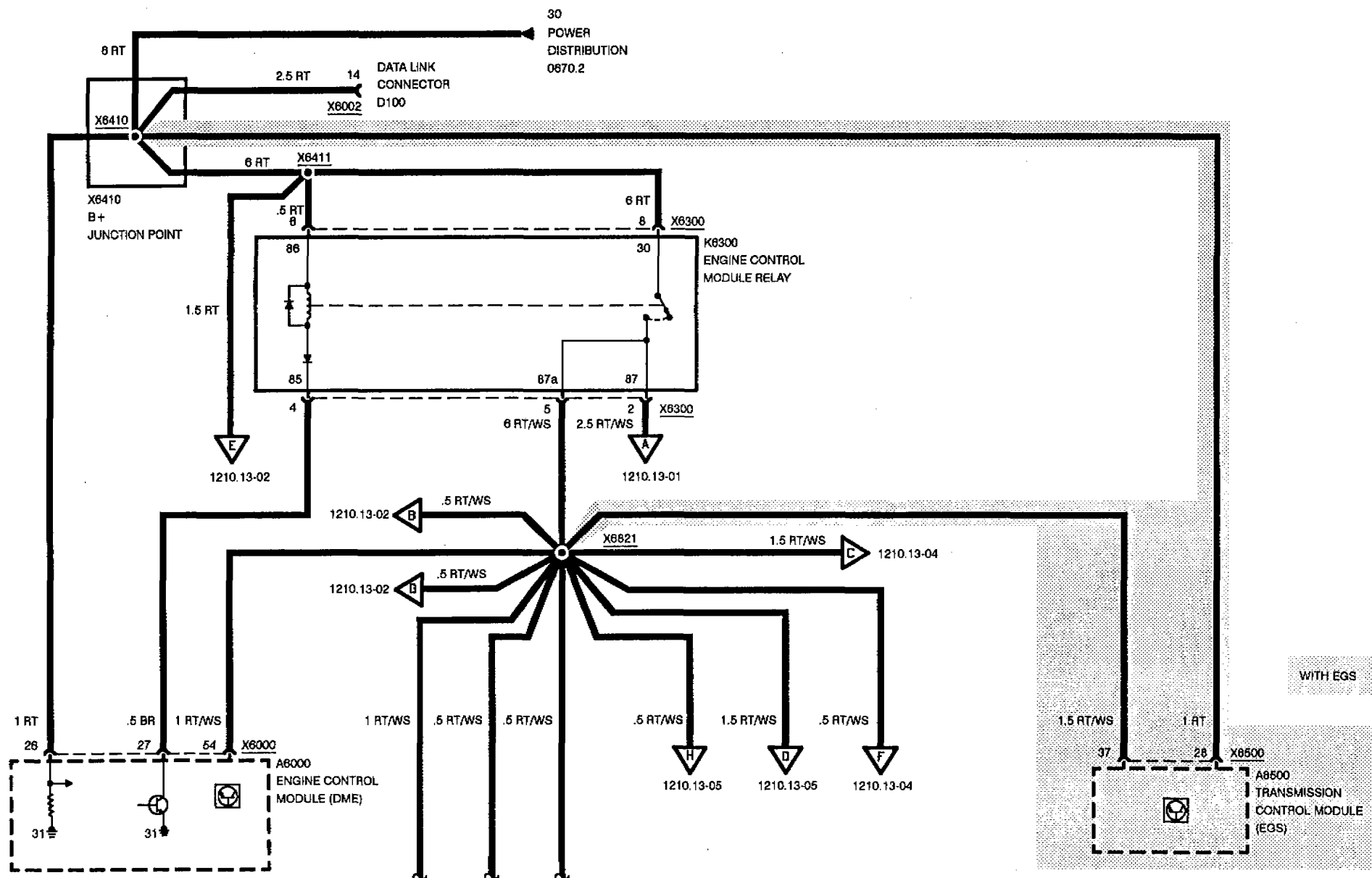
Pin Assignments

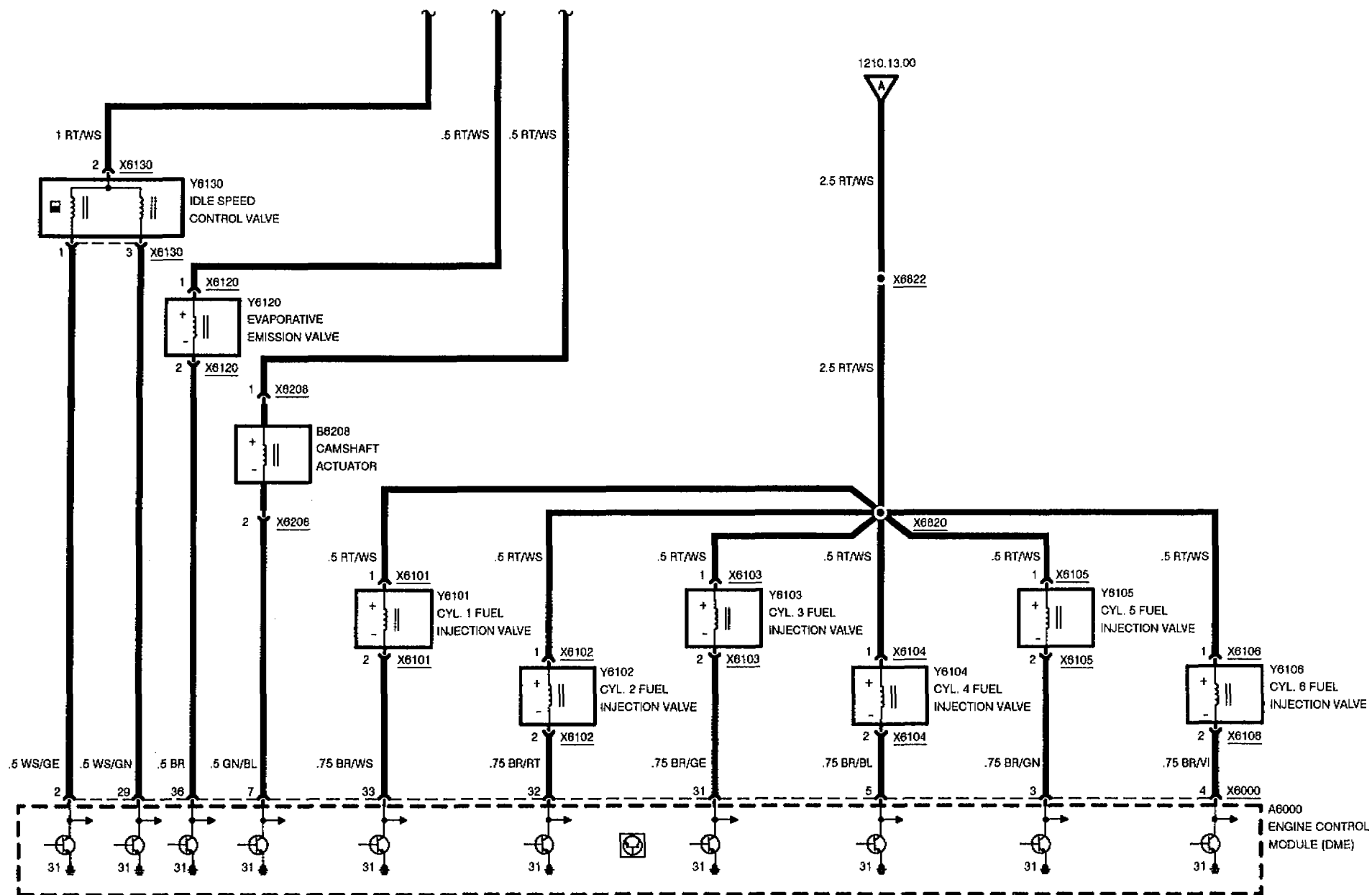
Pin	Type	Description/Function	Connection
64	E	A/C switch	Integrated climate regulation control module
65	E	A/C pressure signal	Pressure switch
66	E	Drive-away protection signal (code)	On-board computer
67		Not used	
68		Not used	
69	E	Cyl. 4-6 knock sensor	Cyl. 4-6 knock sensor
70	E	Cyl. 1-3 knock sensor	Cyl. 1-3 knock sensor
71	M	Ground for knock sensors and shields	Cyl. 1-3 knock sensor, cyl. 4-6 knock sensor, and shields
72		Not used	
73	E	Throttle position	Throttle position sensor
74		Not used	
75		Not used	
76		Not used	
77	E	Engine intake air temperature	Engine intake air temperature sensor
78	E	Engine coolant temperature	Engine coolant temperature sensor
79		Not used	
80		Not used	
81	E	Drive range P/N	Automatic transmission range switch
82		Not used	
83		Not used	
84		Not used	
85		Not used	
86		Not used	
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

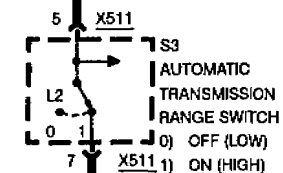
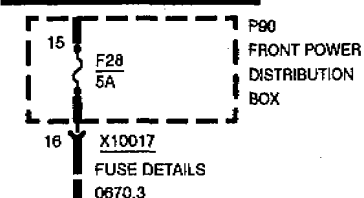
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

POWER, FUEL INJECTION VALVES

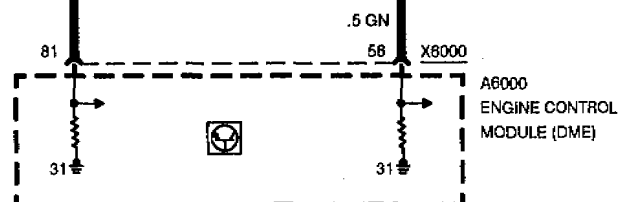
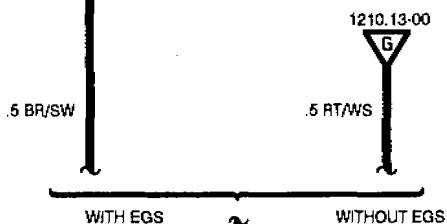
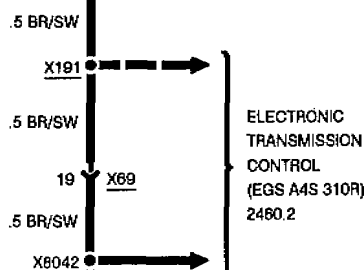




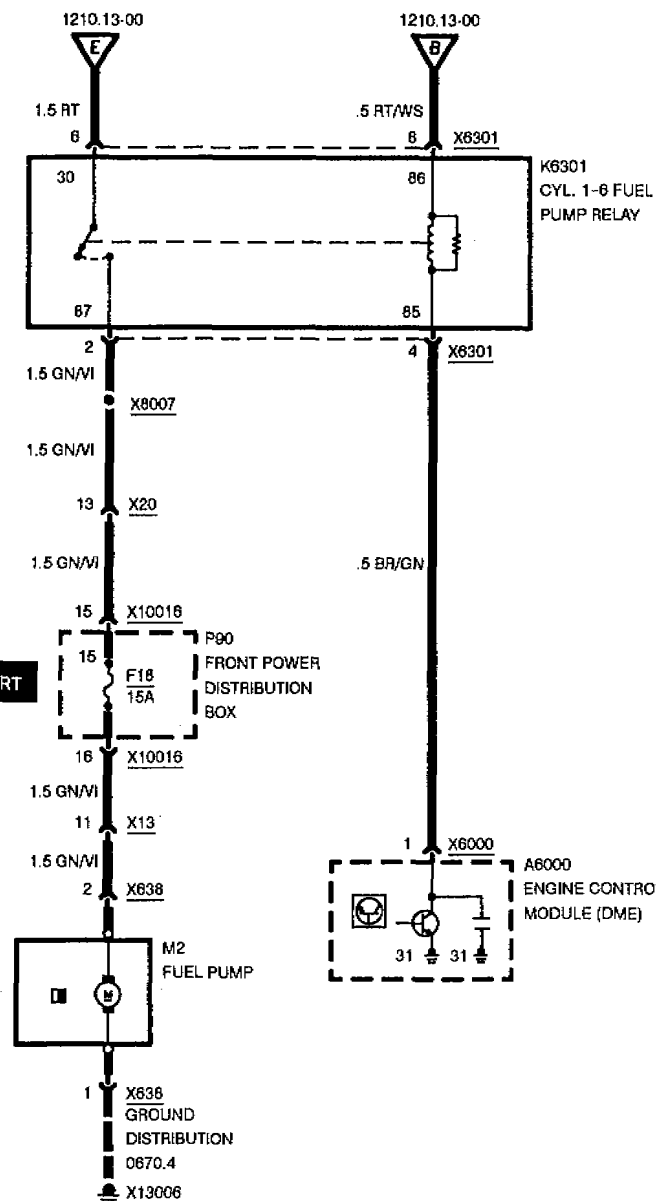
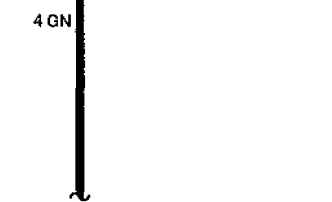
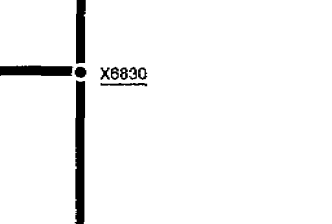
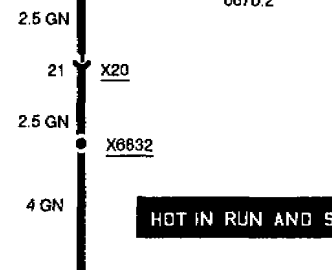
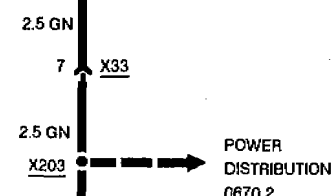
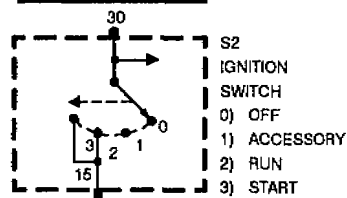
HOT IN RUN AND START

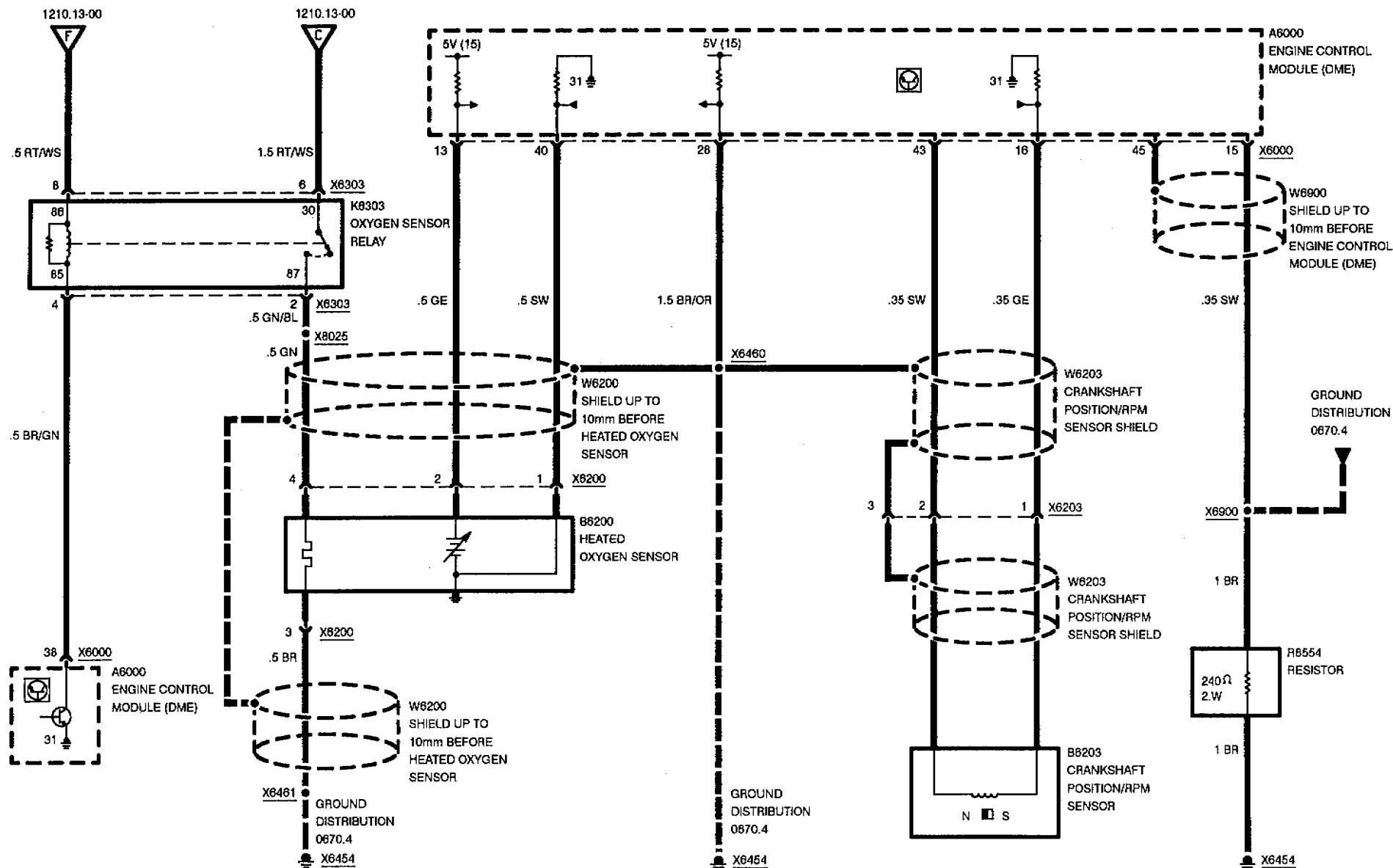


	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
3	0	0	1	1
2	1	0	1	1
1	0	0	1	0



HOT AT ALL TIMES



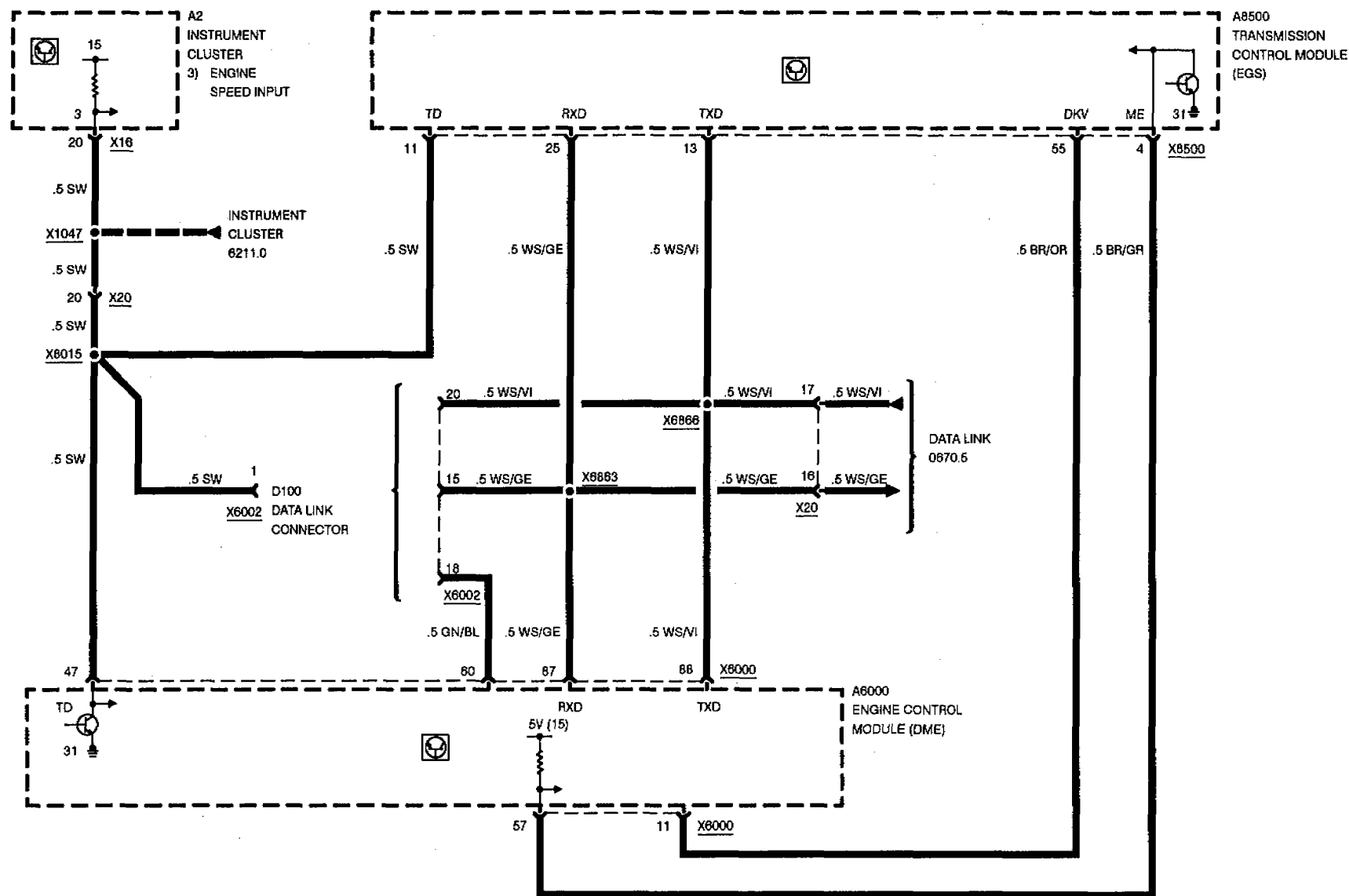






ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

DATA LINK

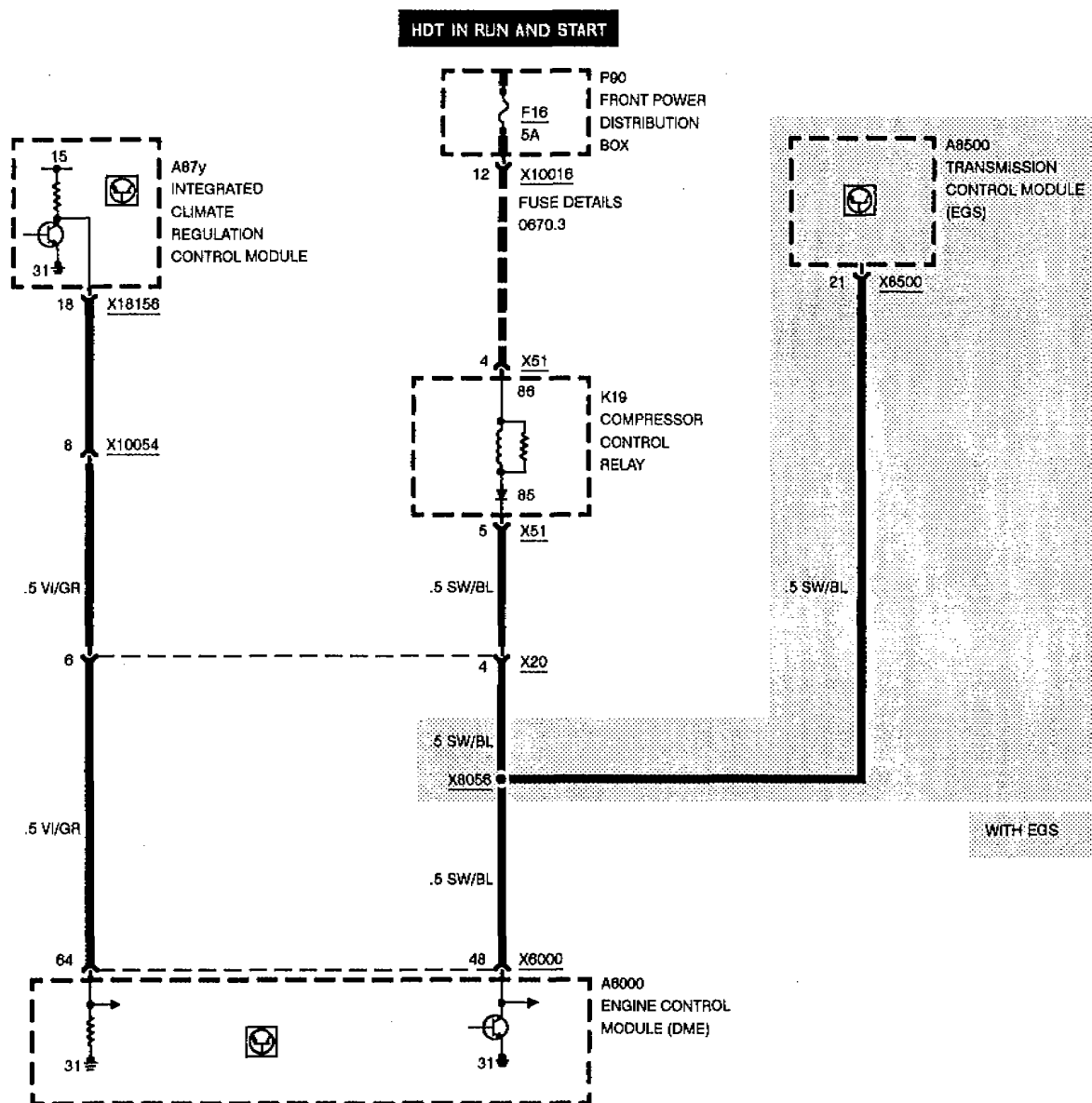
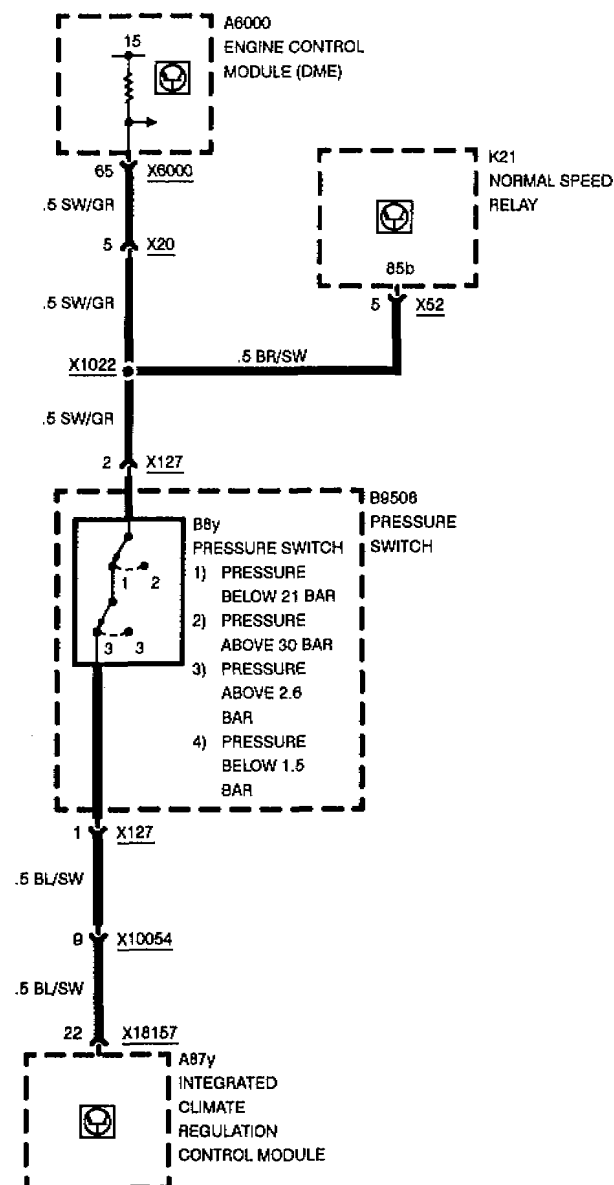


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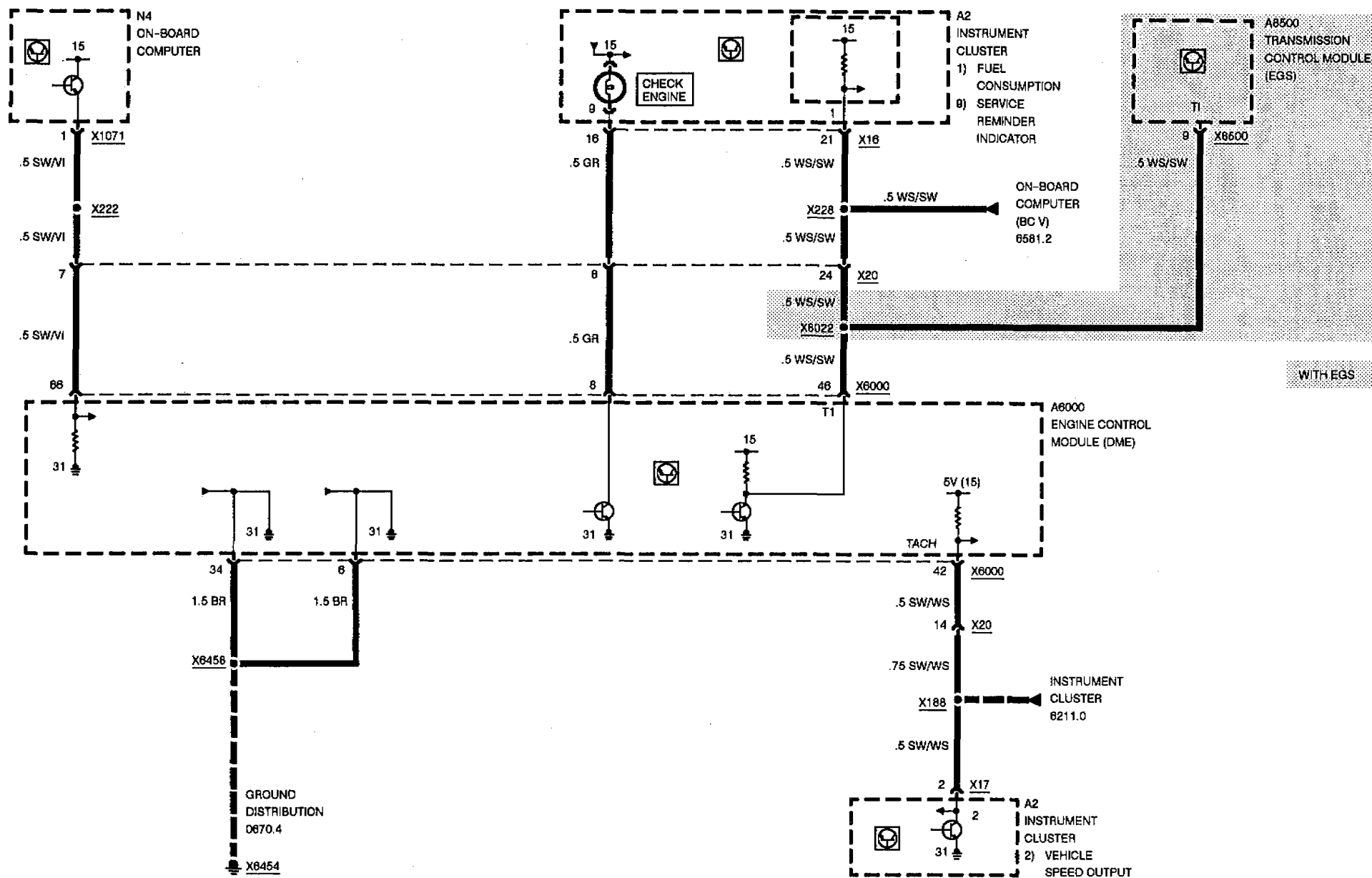
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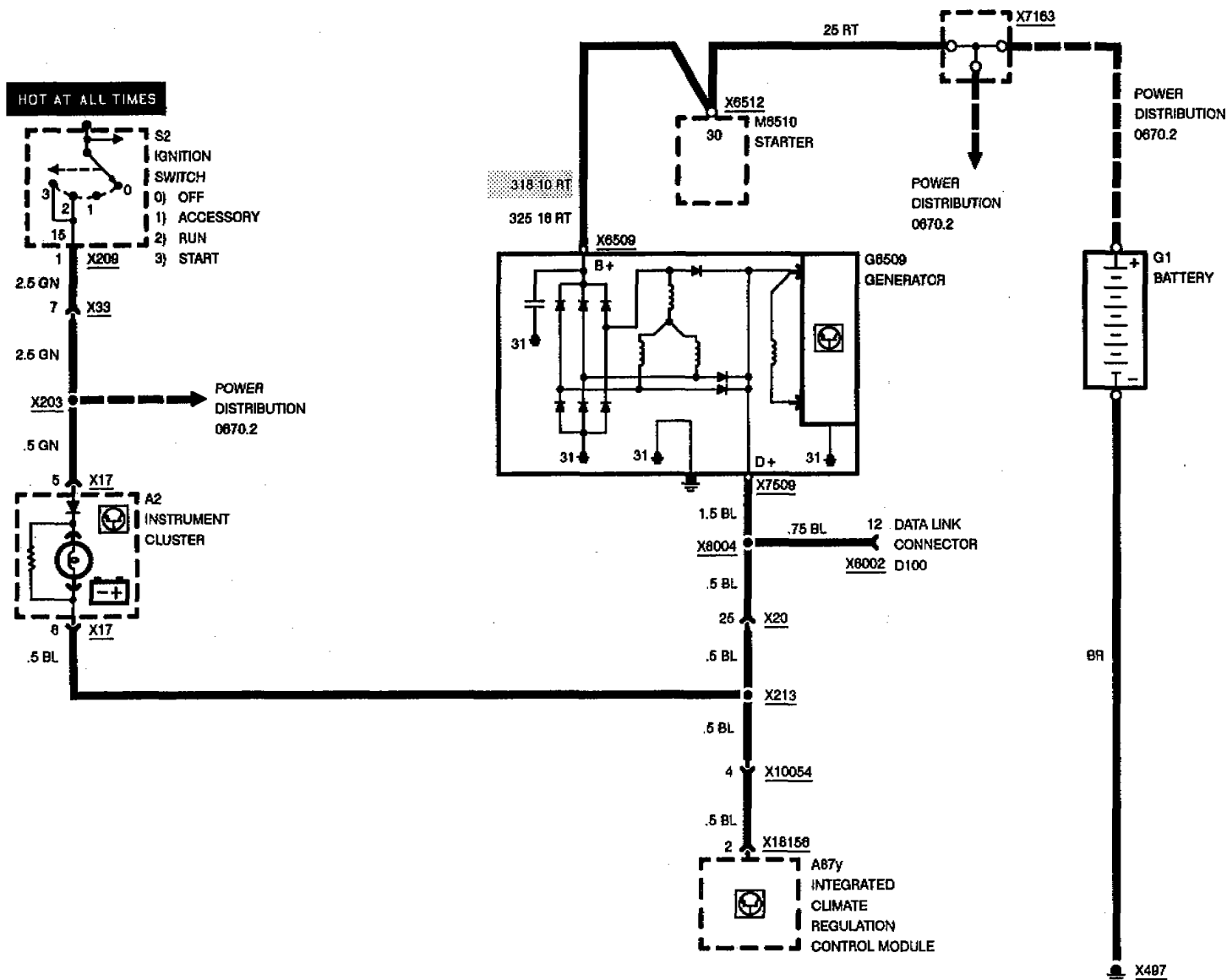
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



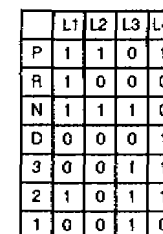
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

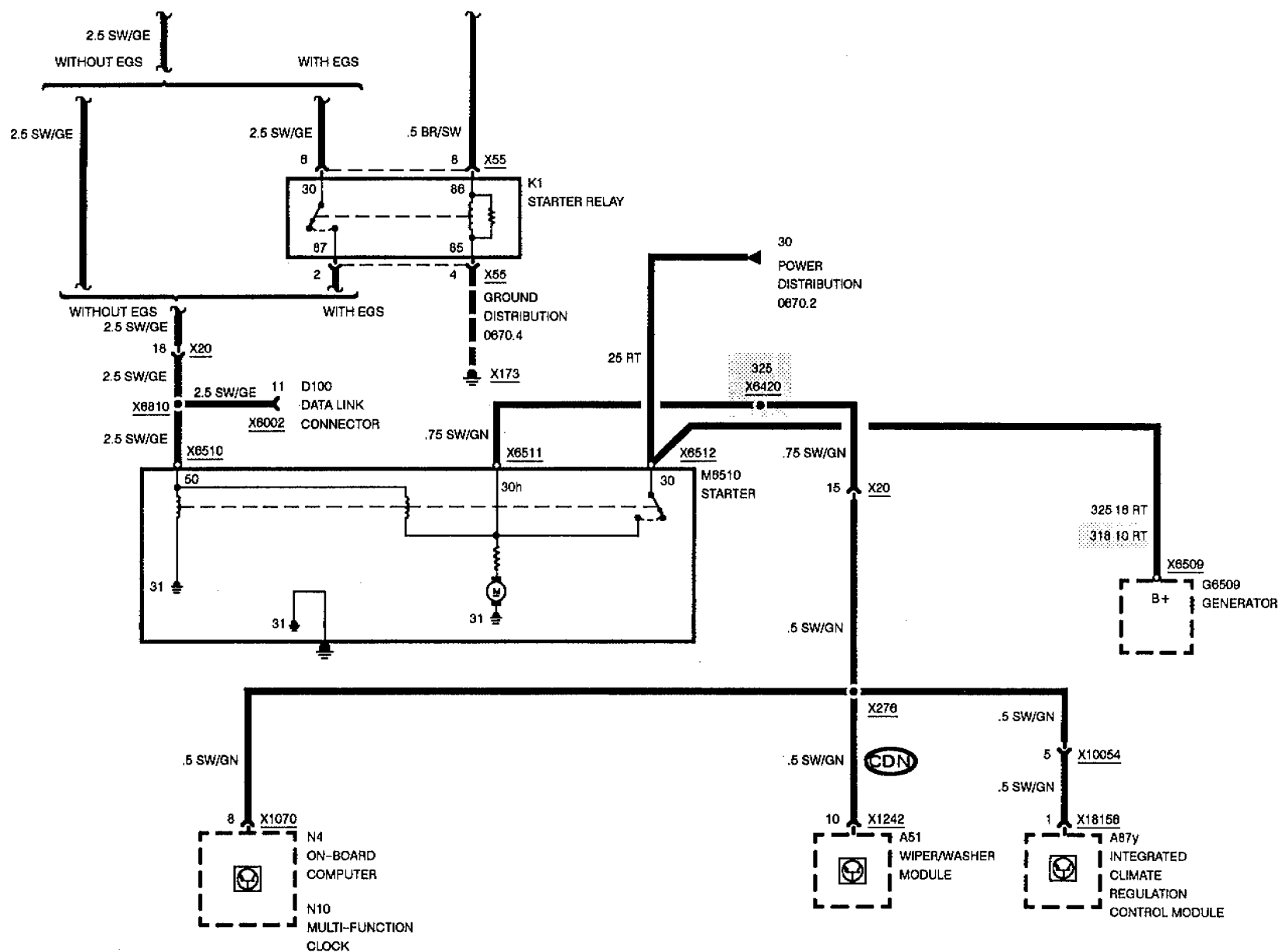




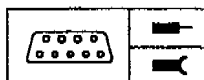










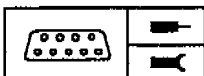


Pin Assignments

X8500

Pin	Type	Description/Function	Connection
1	A	Shift lock solenoid control	Shift lock
2	E	Automatic mode signal	Program switch
3		Not used	
4	A	Ignition timing intervention	Engine control module (DME)
5		Not used	
6		Not used	
7	A	S-program indication	Not used
8	E	Gear range signal L3	Automatic transmission range switch
9	E	Ti measurement signal (fuel consumption)	Engine control module (DME)
10	A	A-program indication	Program switch
11 (318)	E	Cyl. 1-6 fuel pump relay control	Engine control module (DME)
11 (325)	E	Crankshaft RPM speed signal TD	Engine control module (DME)
12	A	M-program indication	Program switch
13	E/A	TxD diagnostic data link	Data link connector
14	E	Output speed (-)	Transmission valve unit
15	E	Brake switch test signal	Brake light switch
16		Not used	
17	E	Oil temperature signal (analog ground)	Transmission valve unit
18	A	Shield for speed sensor	Transmission valve unit shield
19	M	Ground, power	Ground point
20	E	Output speed (+)	Transmission valve unit
21	E	A/C compressor ON signal	Engine control module (DME)
22	E	Oil temperature signal (+)	Transmission valve unit
23	E	Gear range signal L1	Automatic transmission range switch
24		Not used	
25	A	RxD diagnostic data link	Data link connector
26	E	Gear range signal L2	Automatic transmission range switch
27		Not used	
28	E	Battery voltage	B+ junction point
29	A	Fault indicator signal	Instrument cluster
30	E	Kick-down signal	Kick-down switch
31	E	Manual mode signal	Program switch
32		Not used	

E = Input, A = Output, M = Ground



Pin Assignments

Pin	Type	Description/Function	Connection
33	E	Gear range signal L4	Automatic transmission range switch
34	E	S-program button	Not used
35	A	Ground, shift lock solenoid	Shift lock
36	M	Ground, electronic	Ground point
37	E	Voltage supply	Engine control module relay, terminal 87a
38	A	Torque converter clutch solenoid valve control	Transmission valve unit
39	E	Brake pedal position	Brake light switch
40	A	Hydraulic pressure regulator control (+)	Transmission valve unit
41	A	Hydraulic pressure regulator control (-)	Transmission valve unit
42		Not used	
43	A	Solenoid valve 2 control (+)	Transmission valve unit
44		Not used	
45	A	Band solenoid control (+)	Transmission valve unit
46		Not used	
47		Not used	
48	A	Solenoid valve 1 control (+)	Transmission valve unit
49		Not used	
50		Not used	
51		Not used	
52		Not used	
53		Not used	
54	A	Solenoid valves ground control	Transmission valve unit
55	E	Throttle position signal	Engine control module (DME)

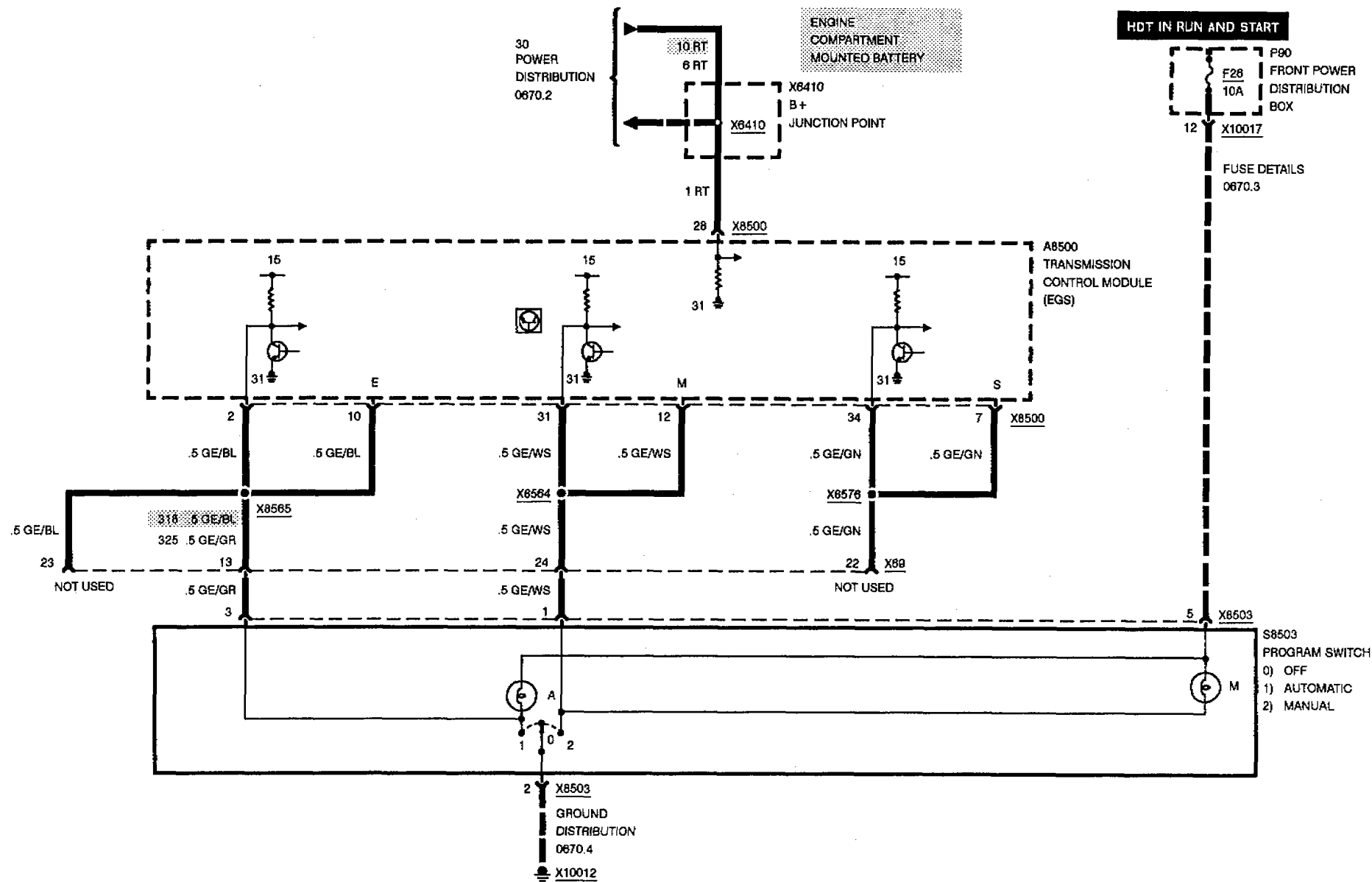
E = Input, A = Output, M = Ground





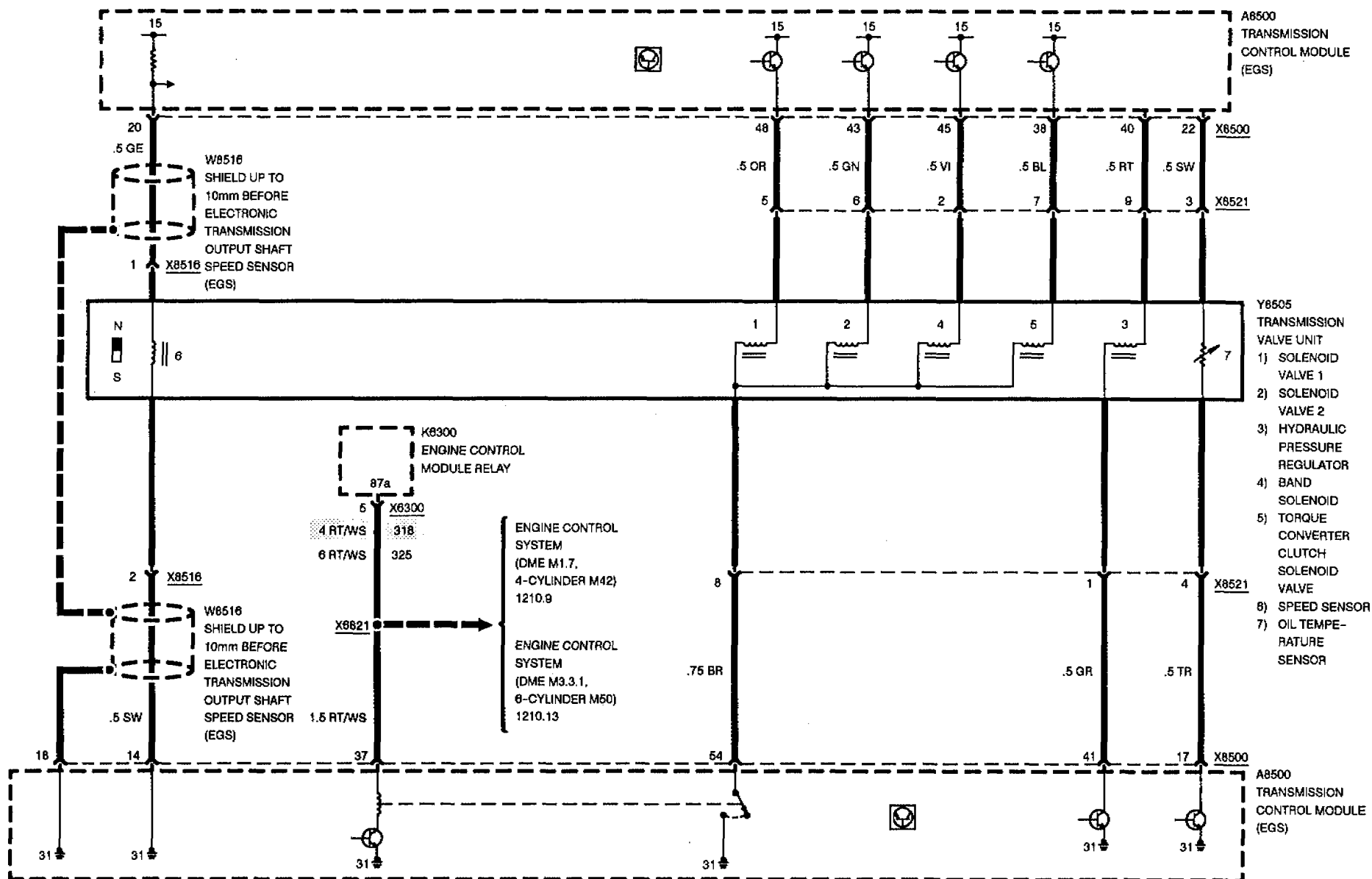
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

POWER, PROGRAM SWITCH

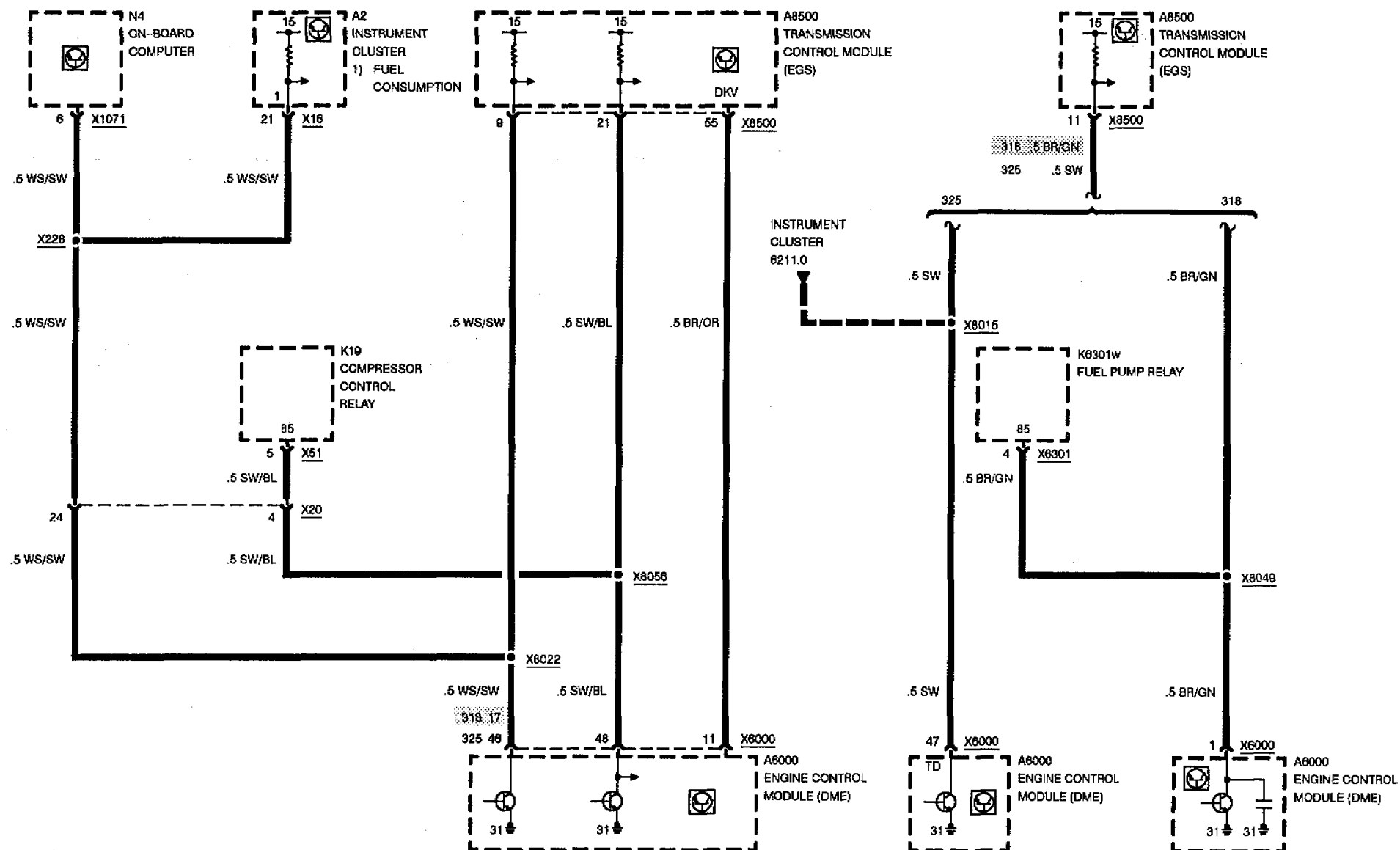


ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

GEAR VALVE UNIT

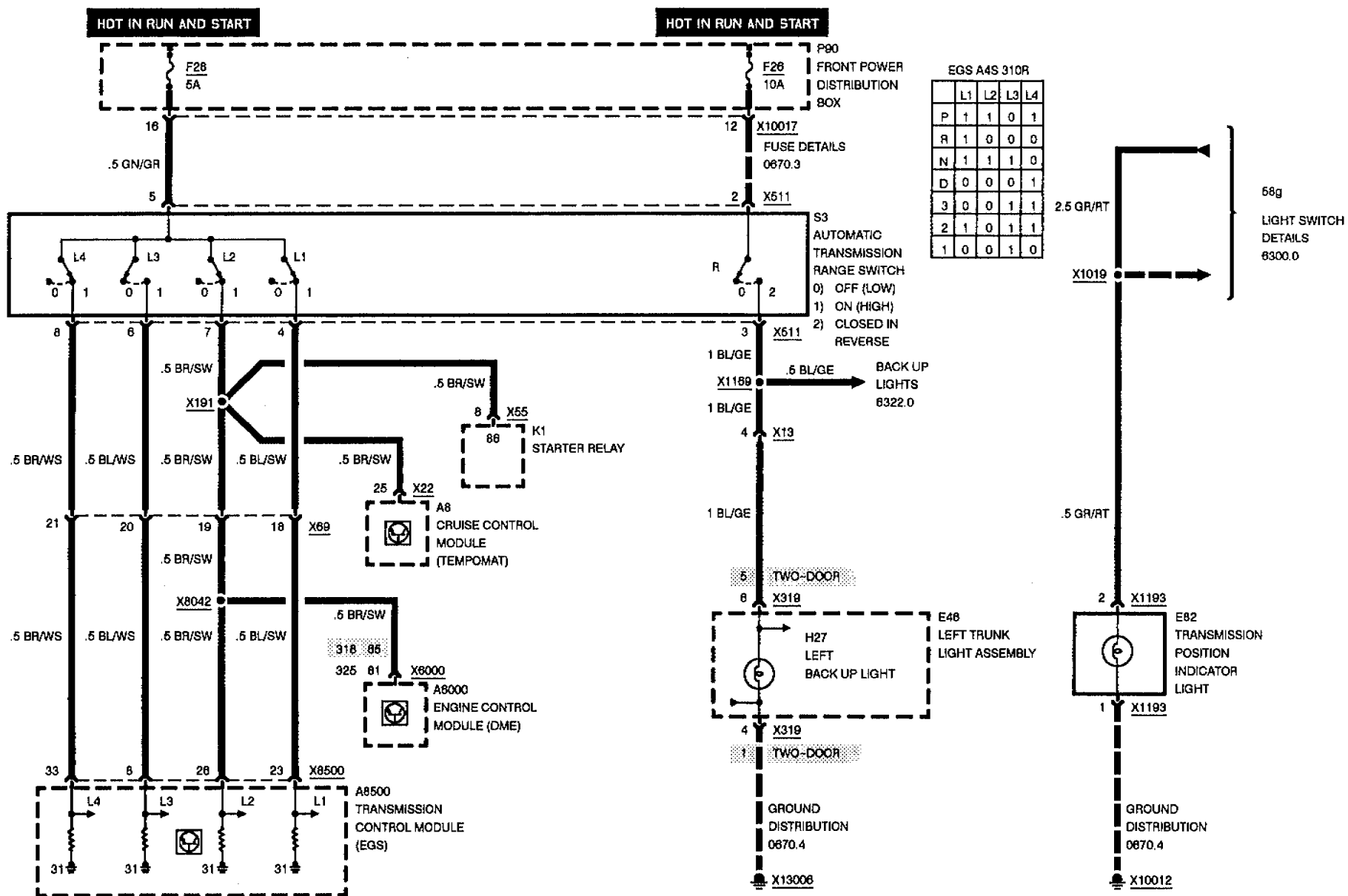


ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)



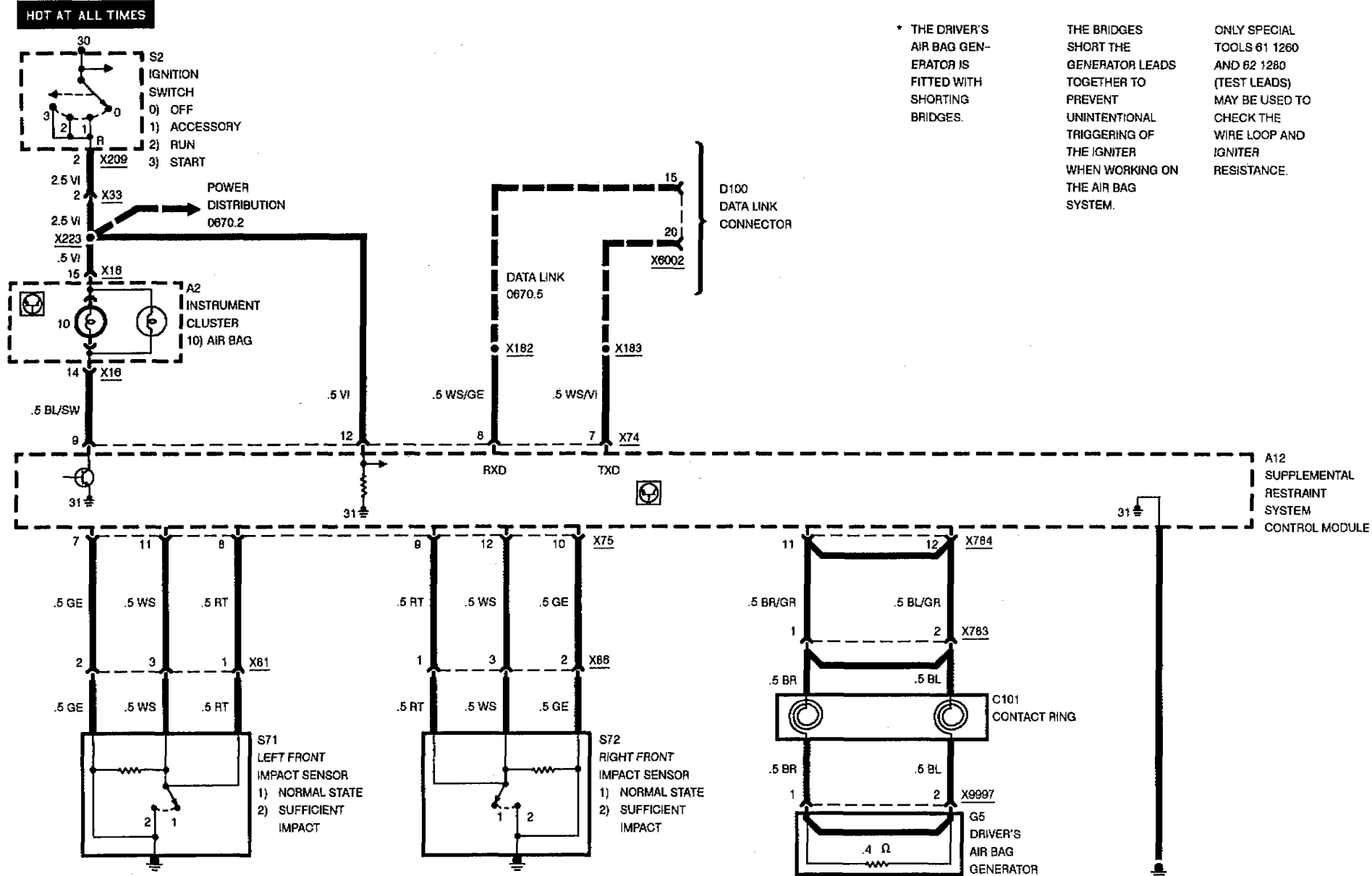
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

GEAR SELECTOR SWITCH





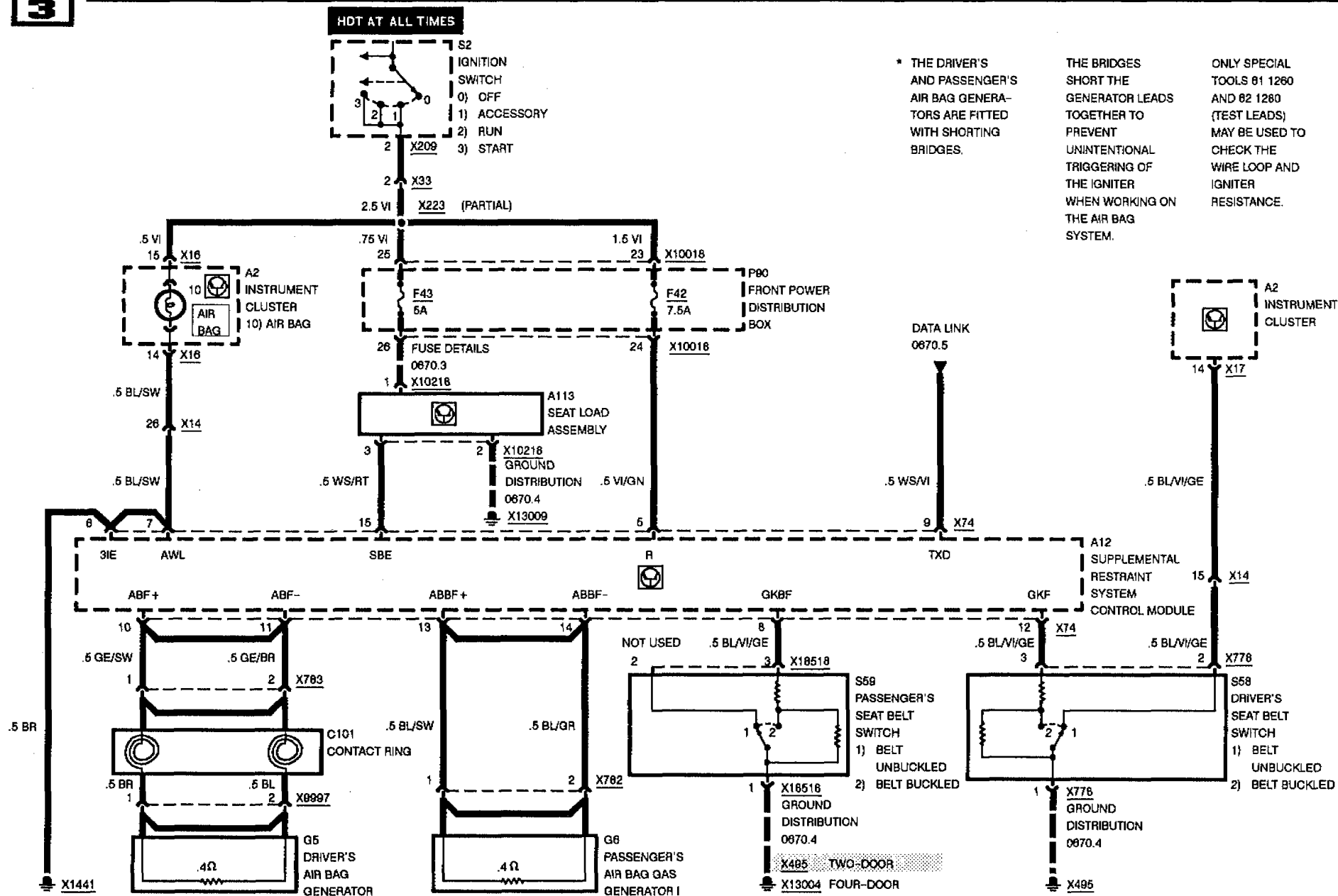




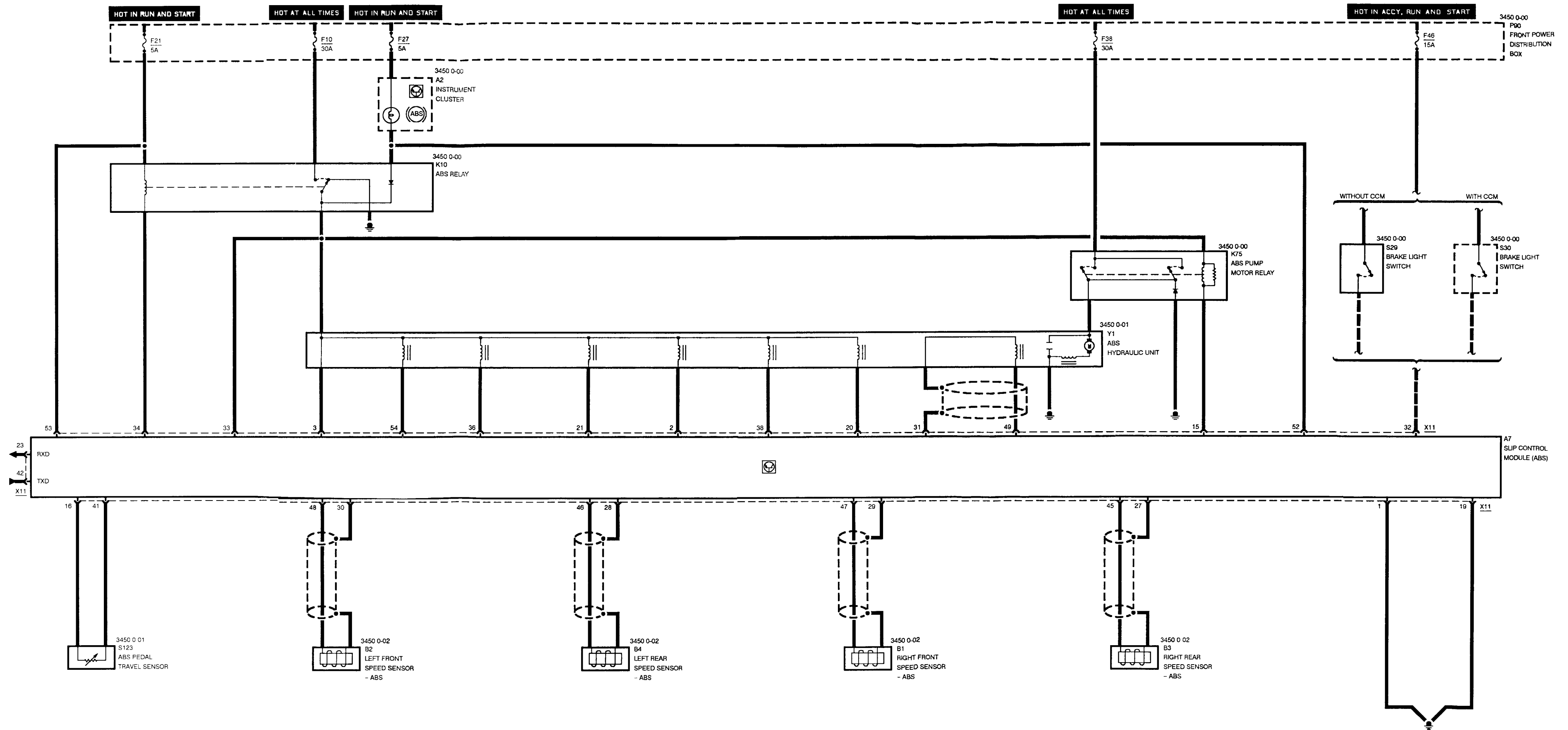
* THE DRIVER'S AIR BAG GENERATOR IS FITTED WITH SHORTING BRIDGES.

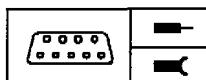
THE BRIDGES SHORT THE GENERATOR LEADS TOGETHER TO PREVENT UNINTENTIONAL TRIGGERING OF THE IGNITER WHEN WORKING ON THE AIR BAG SYSTEM.

ONLY SPECIAL TOOLS 61 1260 AND 62 1280 (TEST LEADS) MAY BE USED TO CHECK THE WIRE LOOP AND IGNITER RESISTANCE.







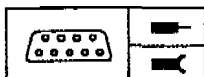


Pin Assignments

X11

Pin	Type	Description/Function	Connection
1	M	Ground, control module	Chassis ground
2	A	Left front outlet valve control	ABS hydraulic unit
3	E	Voltage monitoring, hydraulics	ABS hydraulic unit
4		Not used	
5		Not used	
6		Not used	
7		Not used	
8		Not used	
9		Not used	
10		Not used	
11		Not used	
12		Not used	
13		Not used	
14		Not used	
15	A	ABS pump motor relay control	ABS pump motor relay
16	E	ABS pedal travel sensor	ABS pedal travel sensor
17		Not used	
18		Not used	
19	M	Ground, control module	Chassis ground
20	A	Left front inlet valve control	ABS hydraulic unit
21	A	Right front outlet valve control	ABS hydraulic unit
22		Not used	
23	A	RxD diagnostic data link	Data link connector
24		Not used	
25		Not used	
26		Not used	
27	A	Speed sensor ground, RR	Right rear speed sensor - ABS
28	A	Speed sensor ground, RL	Left rear speed sensor - ABS
29	A	Speed sensor ground, FR	Right front speed sensor - ABS
30	A	Speed sensor ground, FL	Left front speed sensor - ABS
31	E	Pump motor sensor shield	ABS hydraulic unit
32	E	Brake pedal position	Brake light switch
33	E	Operating voltage	ABS relay

E = Input, A = Output, M = Ground



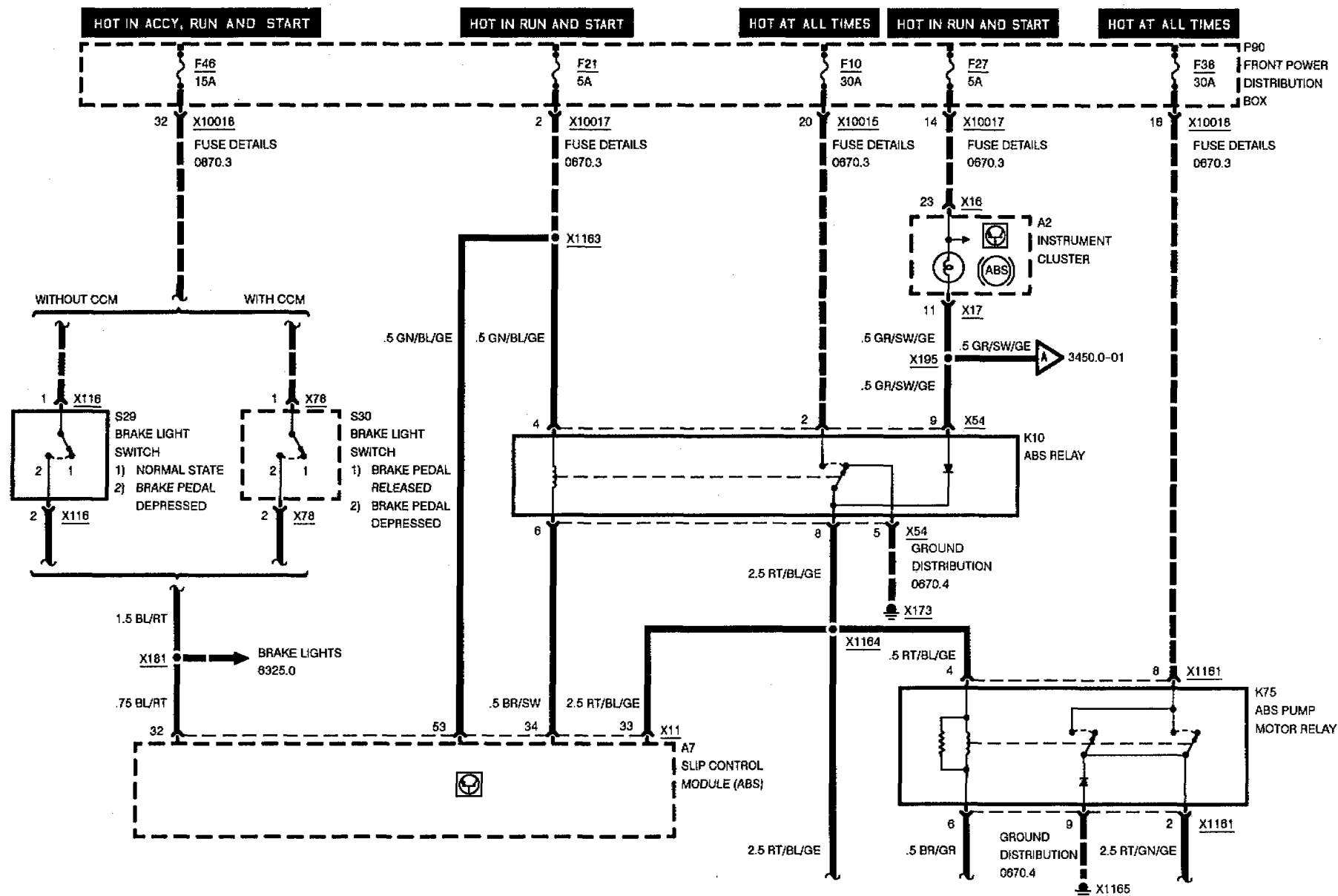
Pin Assignments

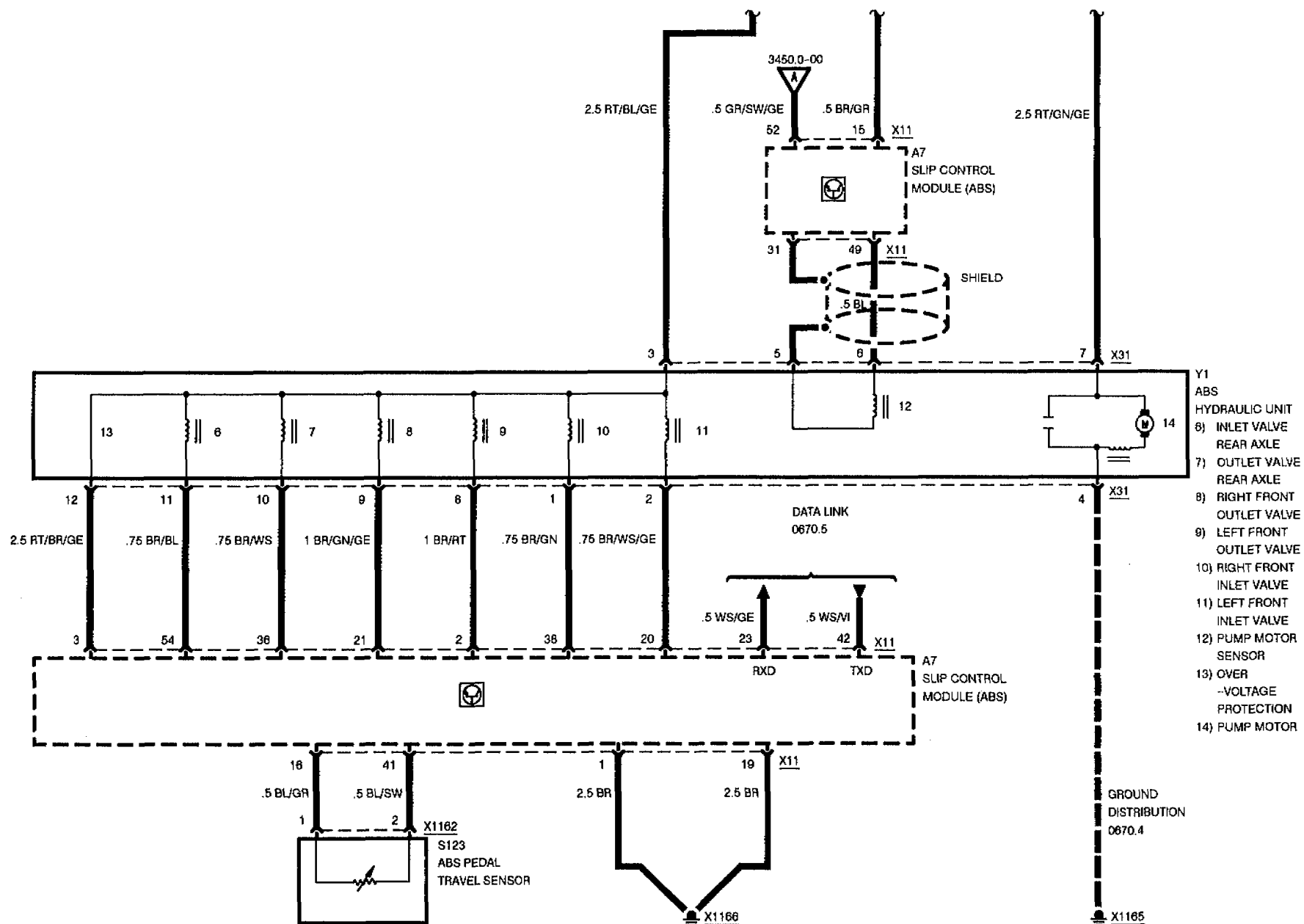
Pin	Type	Description/Function	Connection
34	A	ABS relay control	ABS relay
35		Not used	
36	A	Rear axle outlet valve control	ABS hydraulic unit
37		Not used	
38	A	Right front inlet valve control	ABS hydraulic unit
39		Not used	
40		Not used	
41	E	ABS pedal travel sensor	ABS pedal travel sensor
42	E/A	TxD diagnostic data link	Data link connector
43		Not used	
44		Not used	
45	E	Speed sensor signal RR	Right rear speed sensor - ABS
46	E	Speed sensor signal RL	Left rear speed sensor - ABS
47	E	Speed sensor signal FR	Right front speed sensor - ABS
48	E	Speed sensor signal FL	Left front speed sensor - ABS
49	E	Pump motor sensor signal	ABS hydraulic unit
50		Not used	
51		Not used	
52	A	ABS warning lamp control	Instrument cluster
53	E	Voltage supply, terminal 15	Front power distribution box, fuse 21
54	A	Rear axle inlet valve control	ABS hydraulic unit
55		Not used	

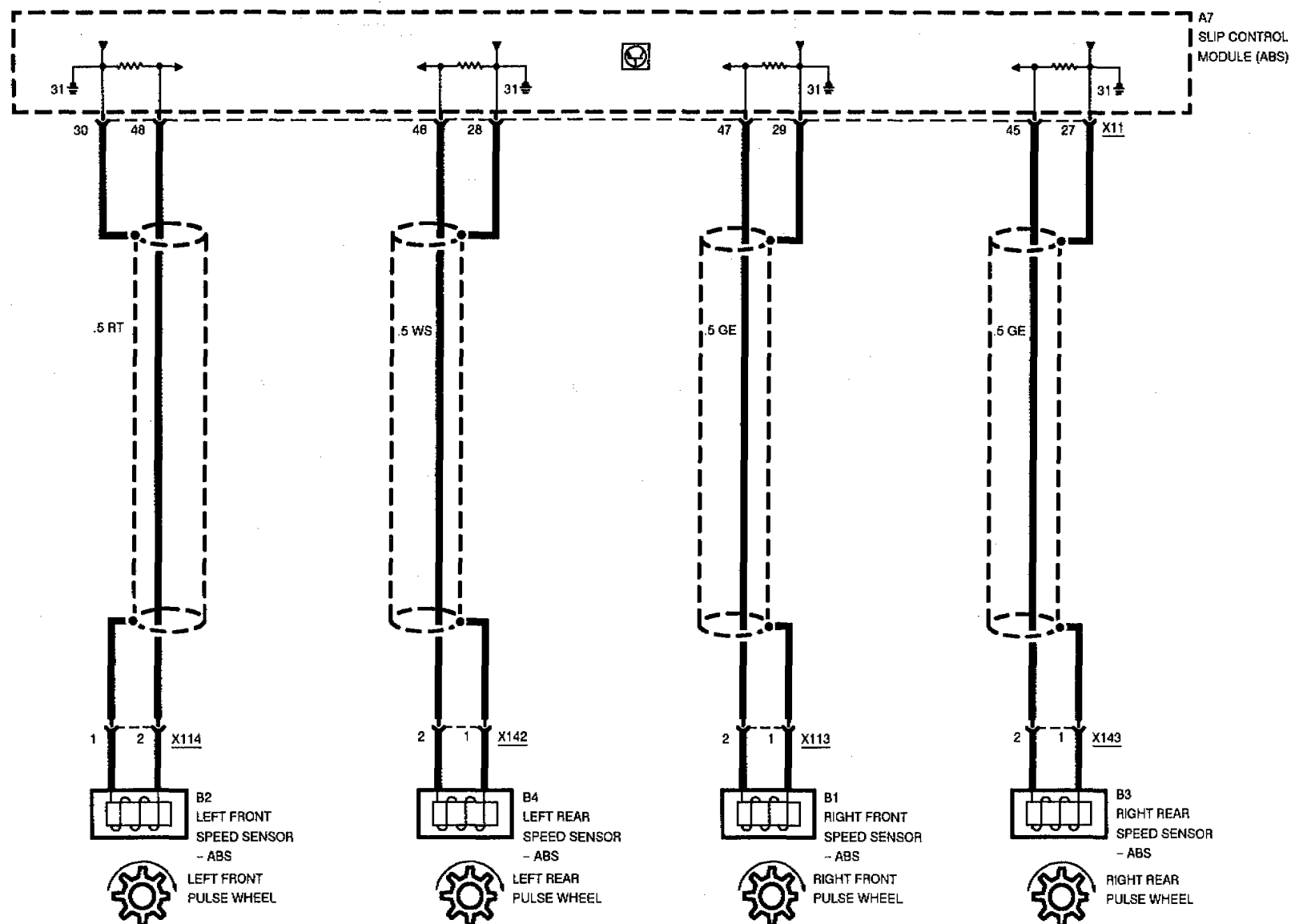
E = Input, A = Output, M = Ground



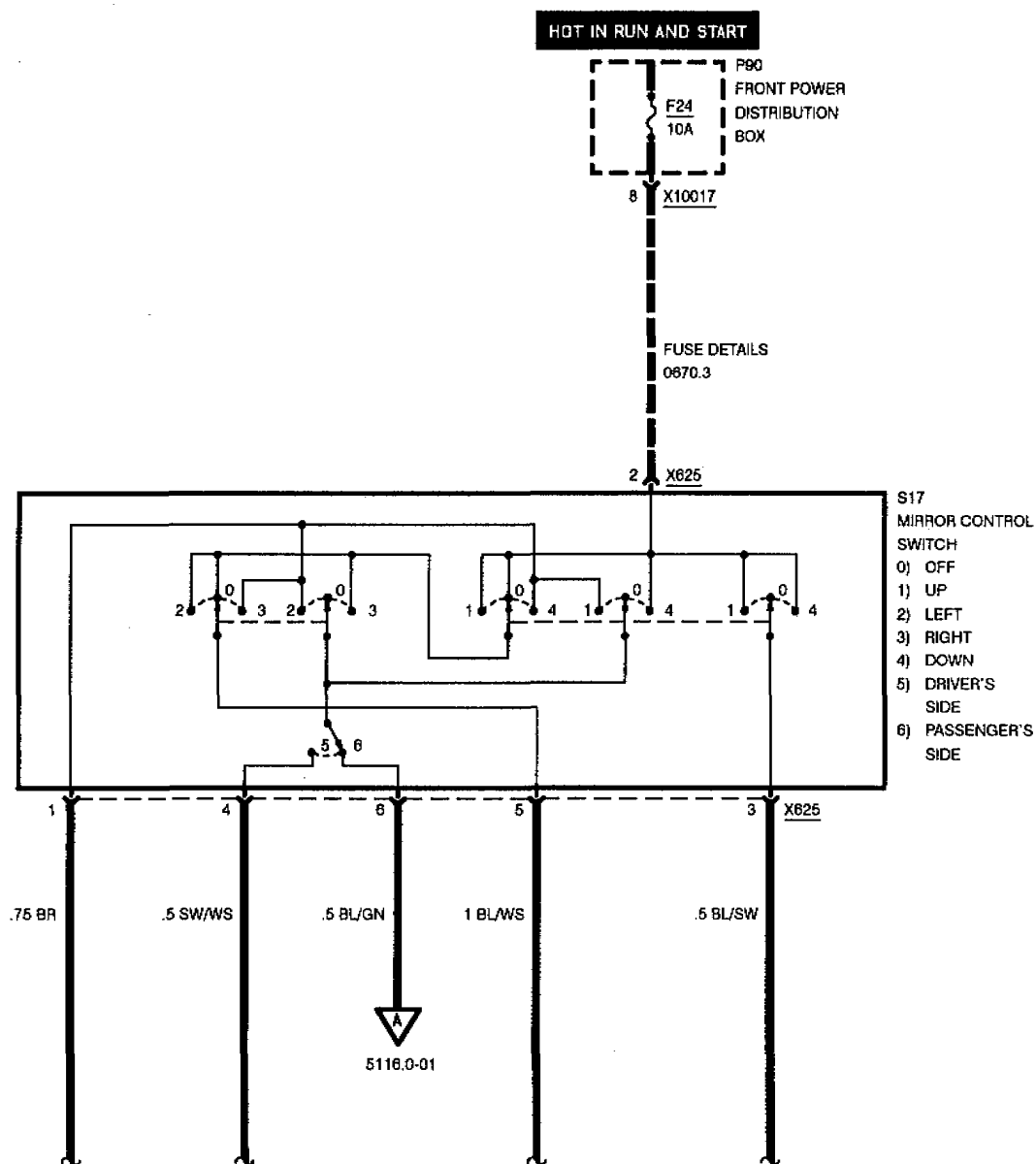
SLIP CONTROL (ABS)

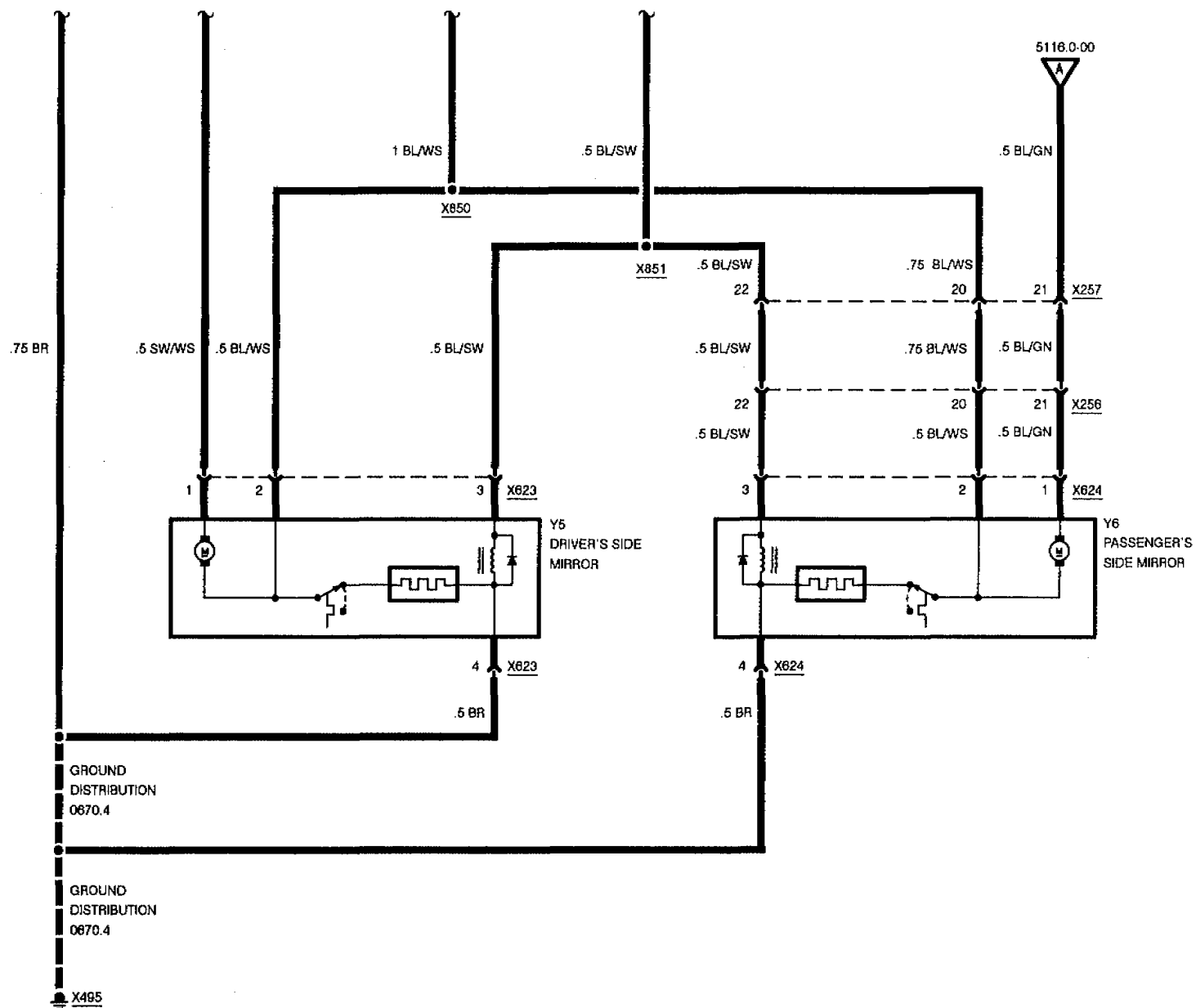






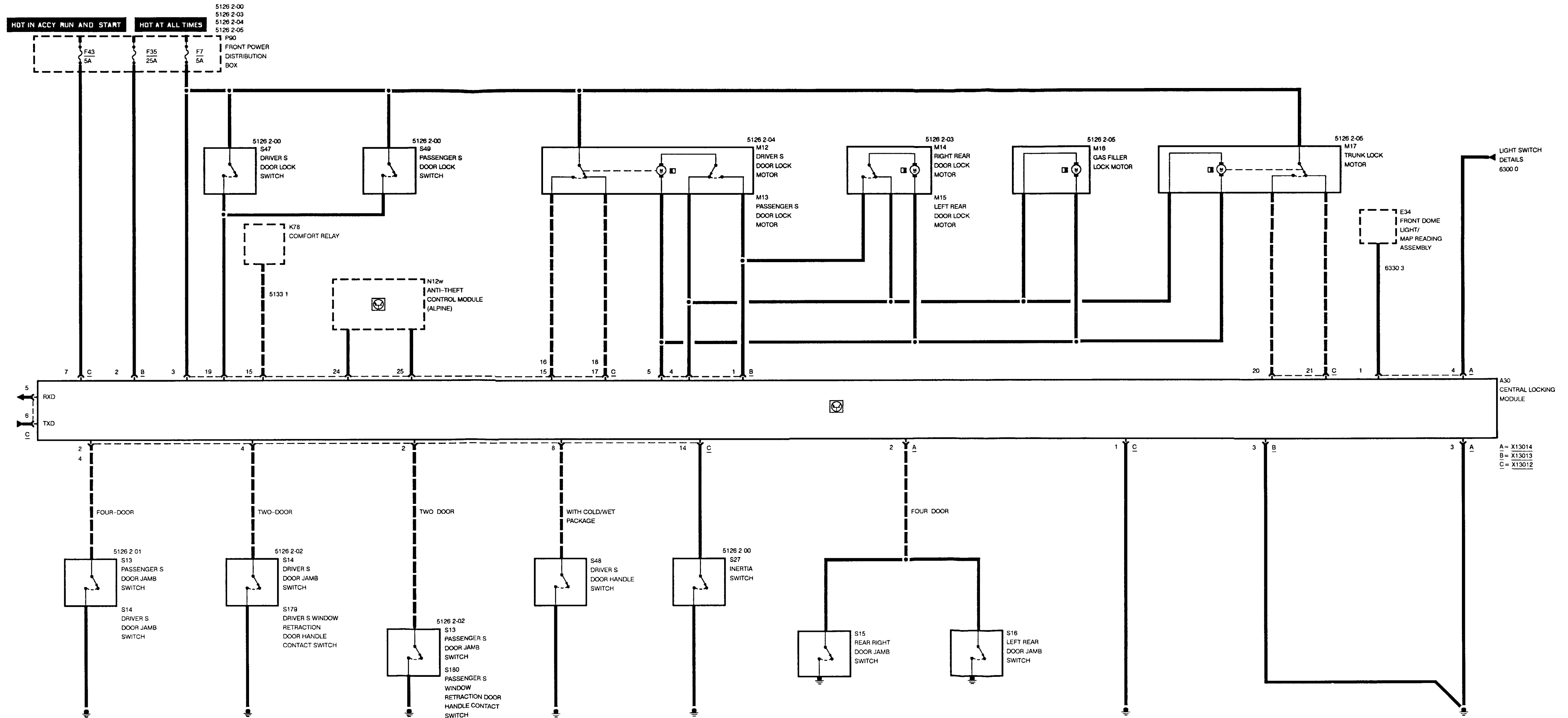


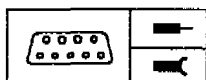






5116.0-02



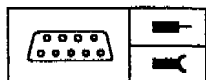


Pin Assignments

X13012

Pin	Type	Description/Function	Connection
1	M	Ground, electronics	Ground point
2	E	Passenger's door open	Passenger's door jamb switch
3	E	Voltage supply, terminal 30	Front power distribution box, fuse 7
4	E	Driver's door open	Driver's door jamb switch
5	A	RxD diagnostic data link	Data link connector
6	E/A	TxD diagnostic data link	Data link connector
7	E	Voltage supply, terminal R	Front power distribution box, fuse 43
8	E	Driver's door handle switch	Driver's door handle switch
9	A	Comfort relay control	Comfort relay
10		Not used	
11		Not used	
12		Not used	
13		Not used	
14	E	Crash signal	Inertia switch
15	E	Passenger's door lock motor locked	Passenger's door lock motor
16	E	Driver's door lock motor locked	Driver's door lock motor
17	E	Passenger's door lock motor unlocked	Passenger's door lock motor
18	E	Driver's door lock motor unlocked	Driver's door lock motor
19	E	Lock contact for arrest	Driver's and passenger's door lock switches
20	E	Trunk lock motor locked	Trunk lock motor
21	E	Trunk lock motor unlocked	Trunk lock motor
22		Not used	
23		Not used	
24	E	Interface to anti-theft module (Alpine)	Anti-theft module (Alpine)
25	E	Interface to anti-theft module (Alpine)	Anti-theft module (Alpine)
26		Not used	

E = Input, A = Output, M = Ground





Pin Assignments

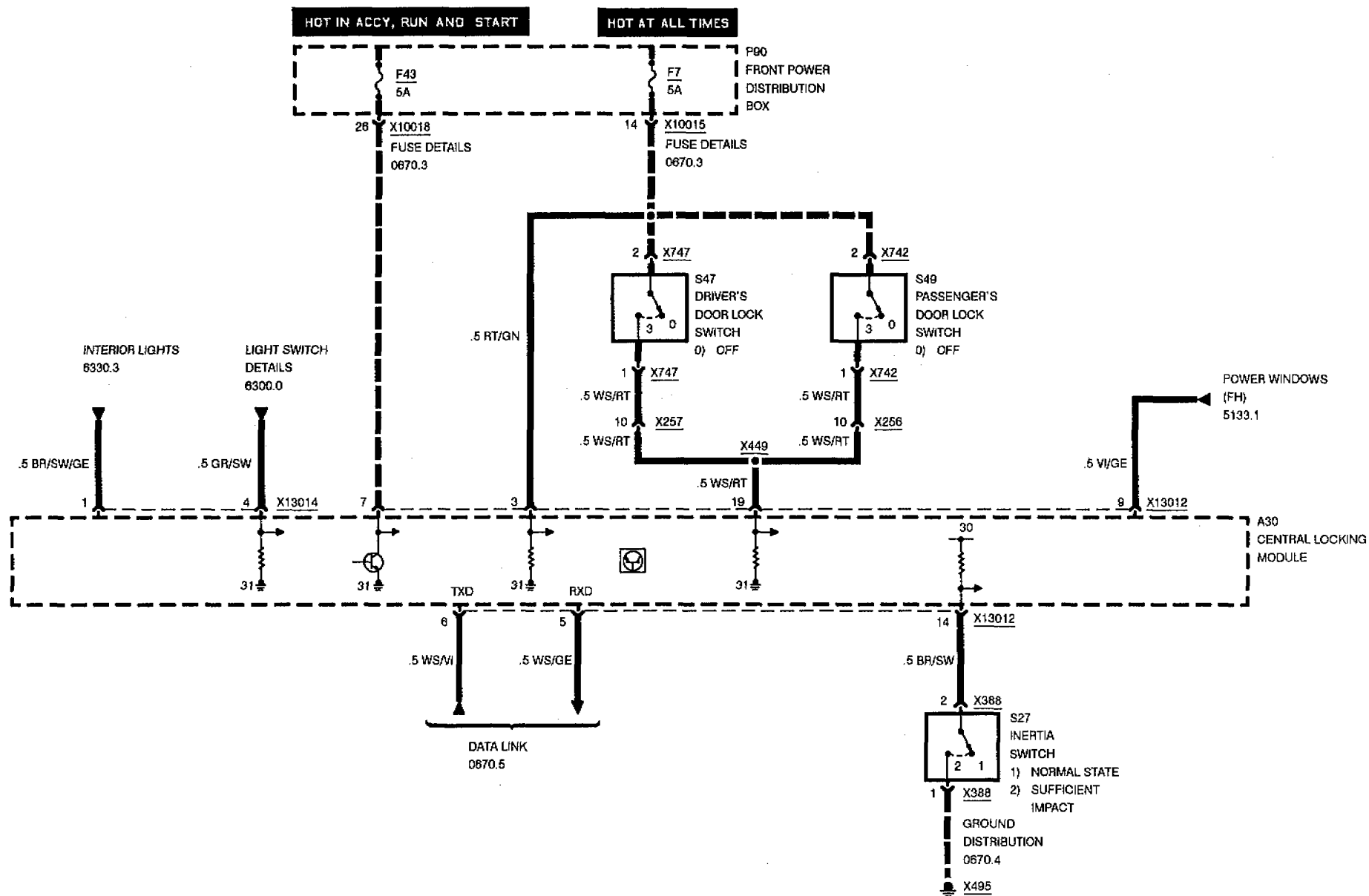
X13013

Pin	Type	Description/Function	Connection
1	A	Arrest ZV motor drives	Left and right rear lock motors
2	E	Battery voltage for ZV motor drive	Front power distribution box, fuse 35
3	M	Ground for ZV motor drives	Ground point
4	A	Lock ZV motor drives	Left and right rear door lock motors
5	A	Unlock ZV motor drives	Left and right rear door lock motors

X13014

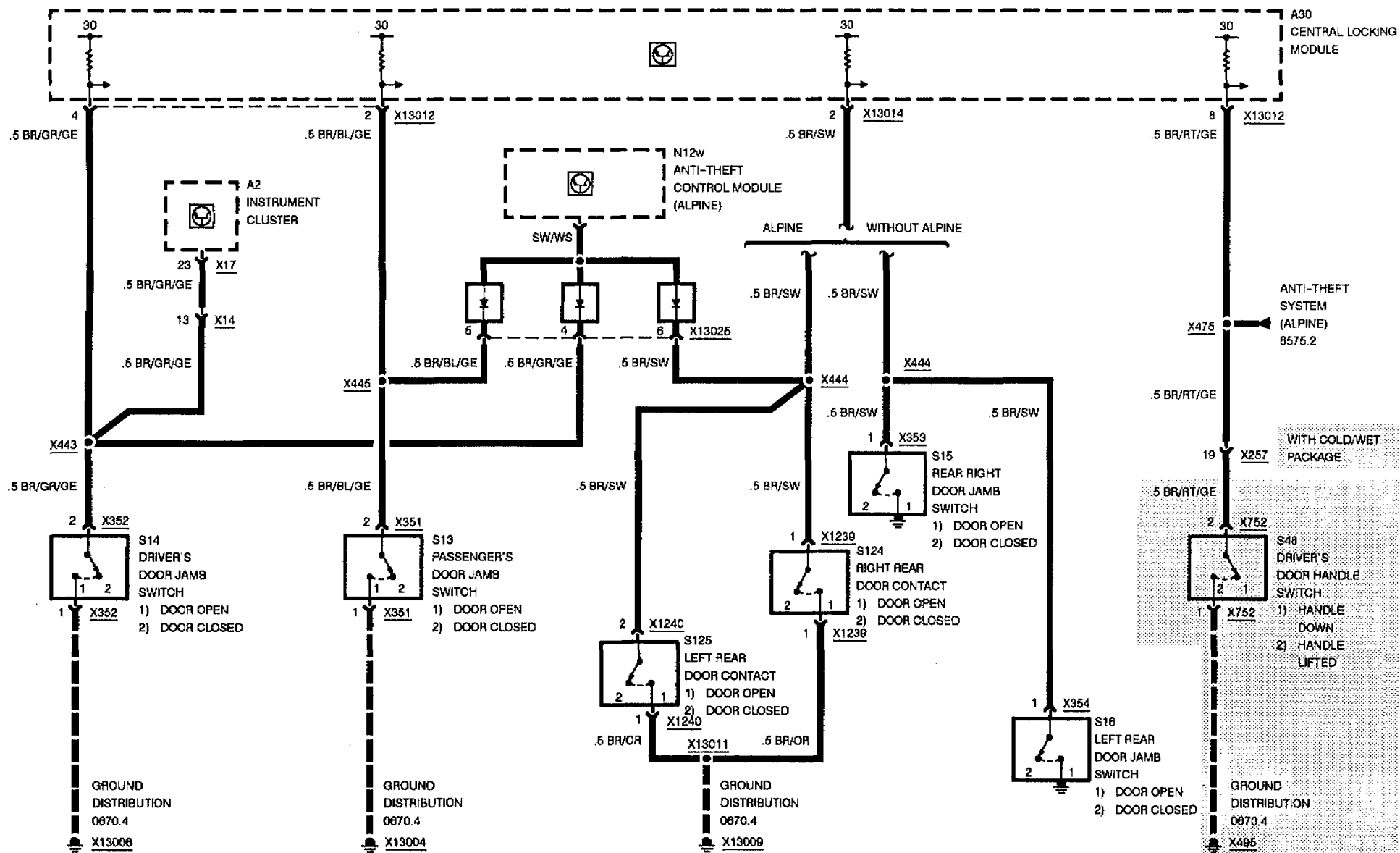
Pin	Type	Description/Function	Connection
1	A	Activation of interior lights	Front dome light/map reading assembly
2	E	Rear doors open	Left rear and right rear door jamb switches
3	M	Ground for interior lights	Ground point
4	 E	Parking light detection	Right park light/license plate light relay
4	 E	Parking light detection	Light switch





CENTRAL LOCKING MODULE II (ZVM II)

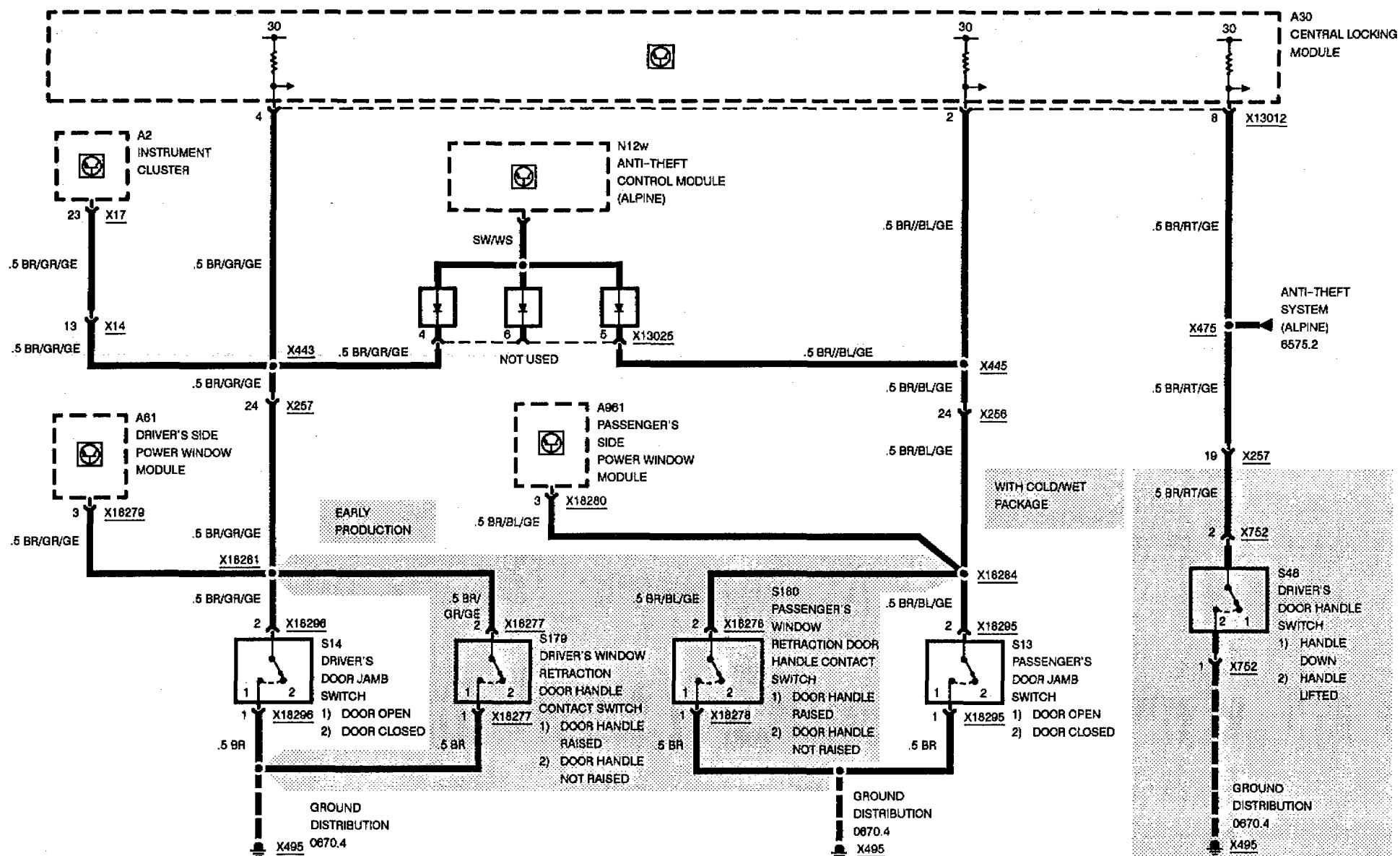
INPUTS - FOUR-DOOR



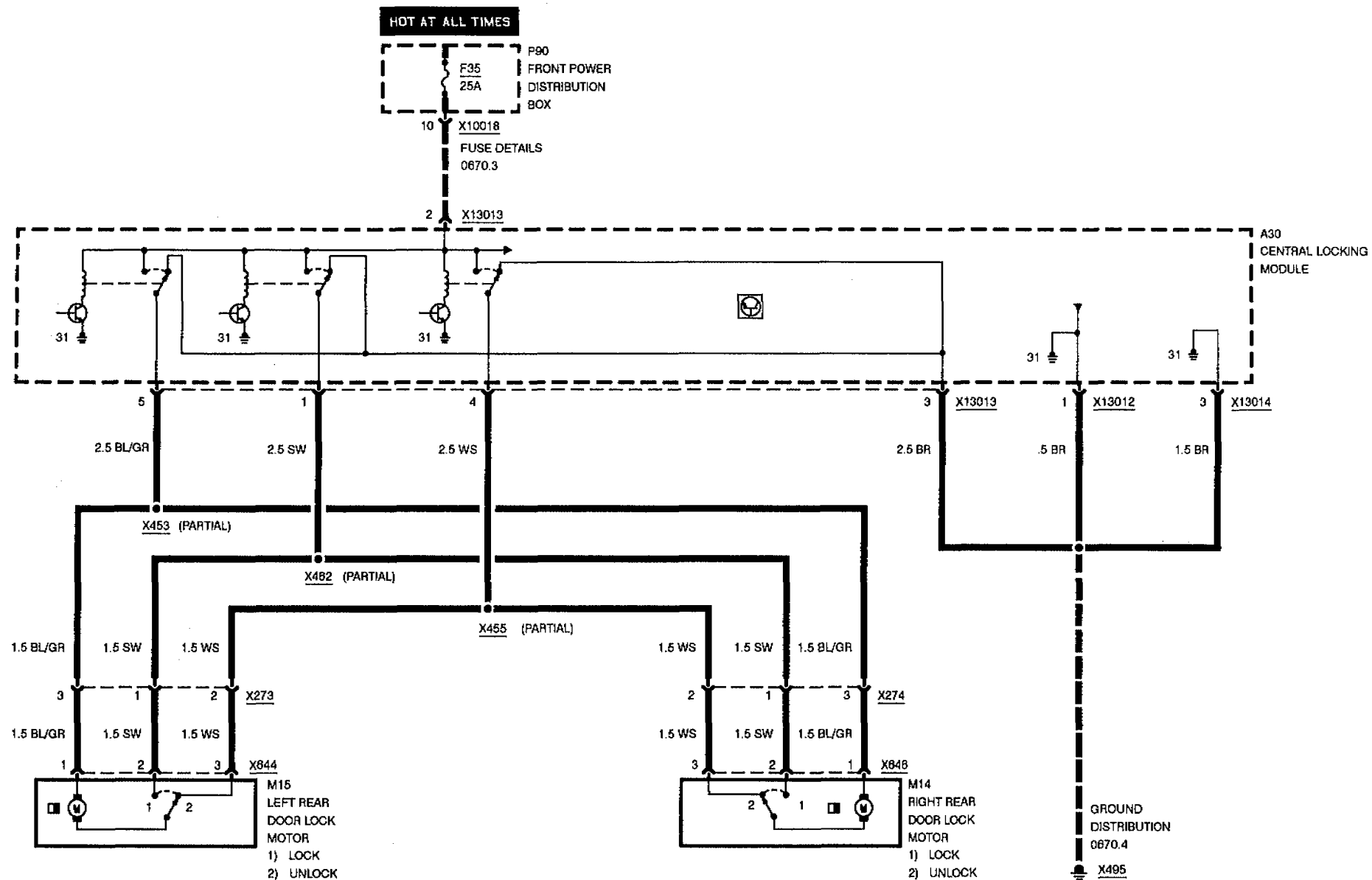


CENTRAL LOCKING MODULE II (ZVM II)

INPUTS - TWO-DOOR

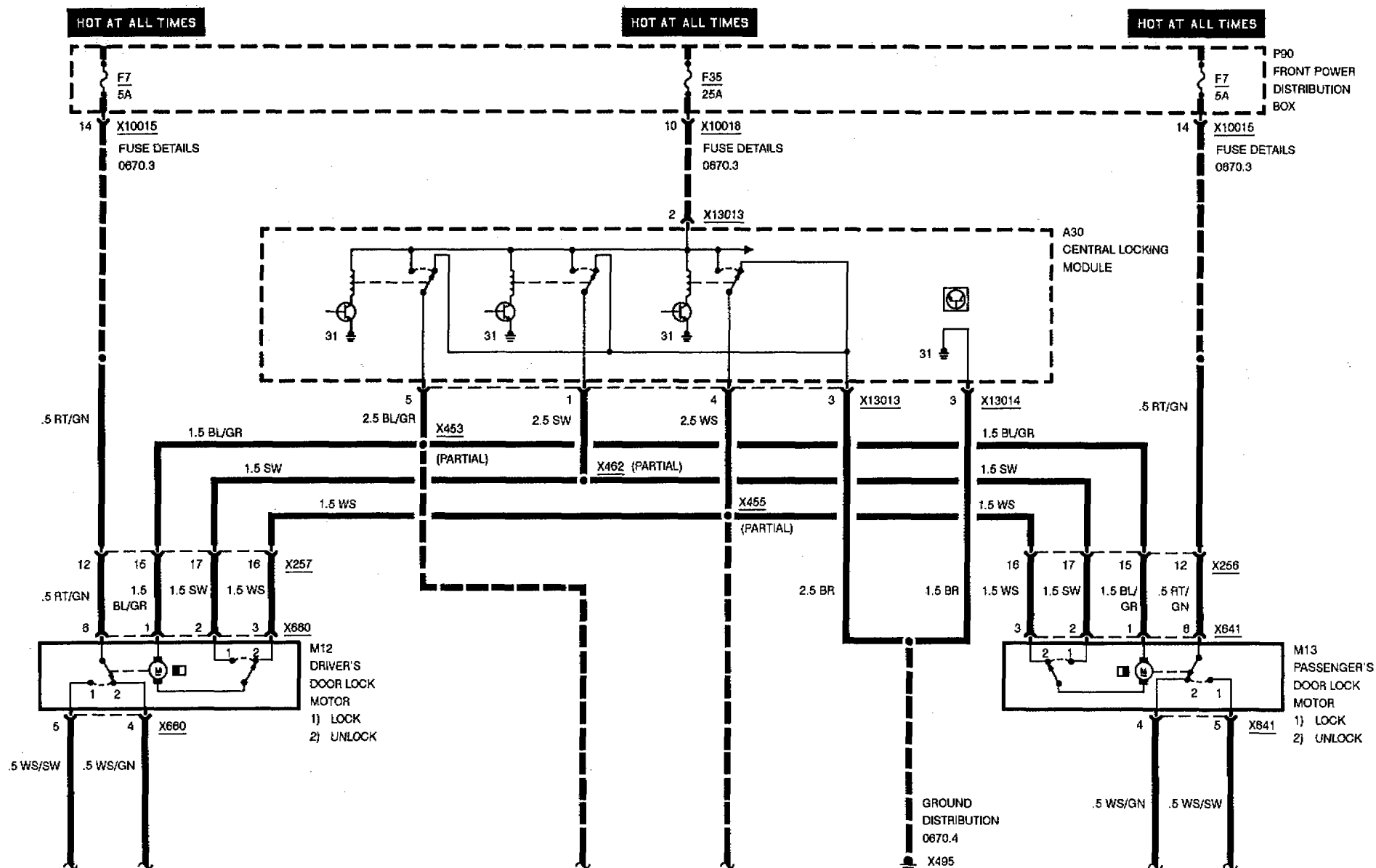


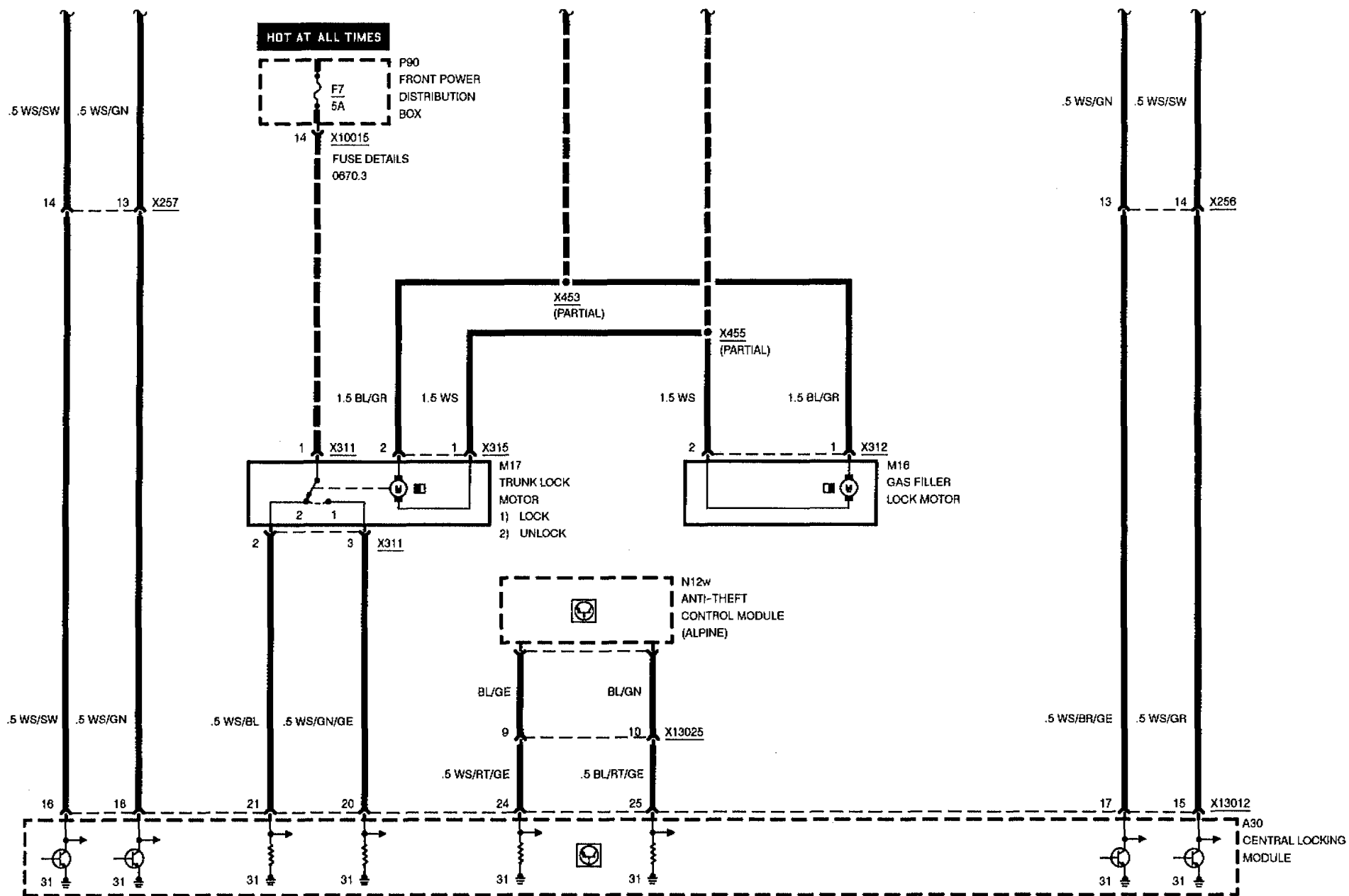
CENTRAL LOCKING MODULE II (ZVM II) OUTPUT DETAILS

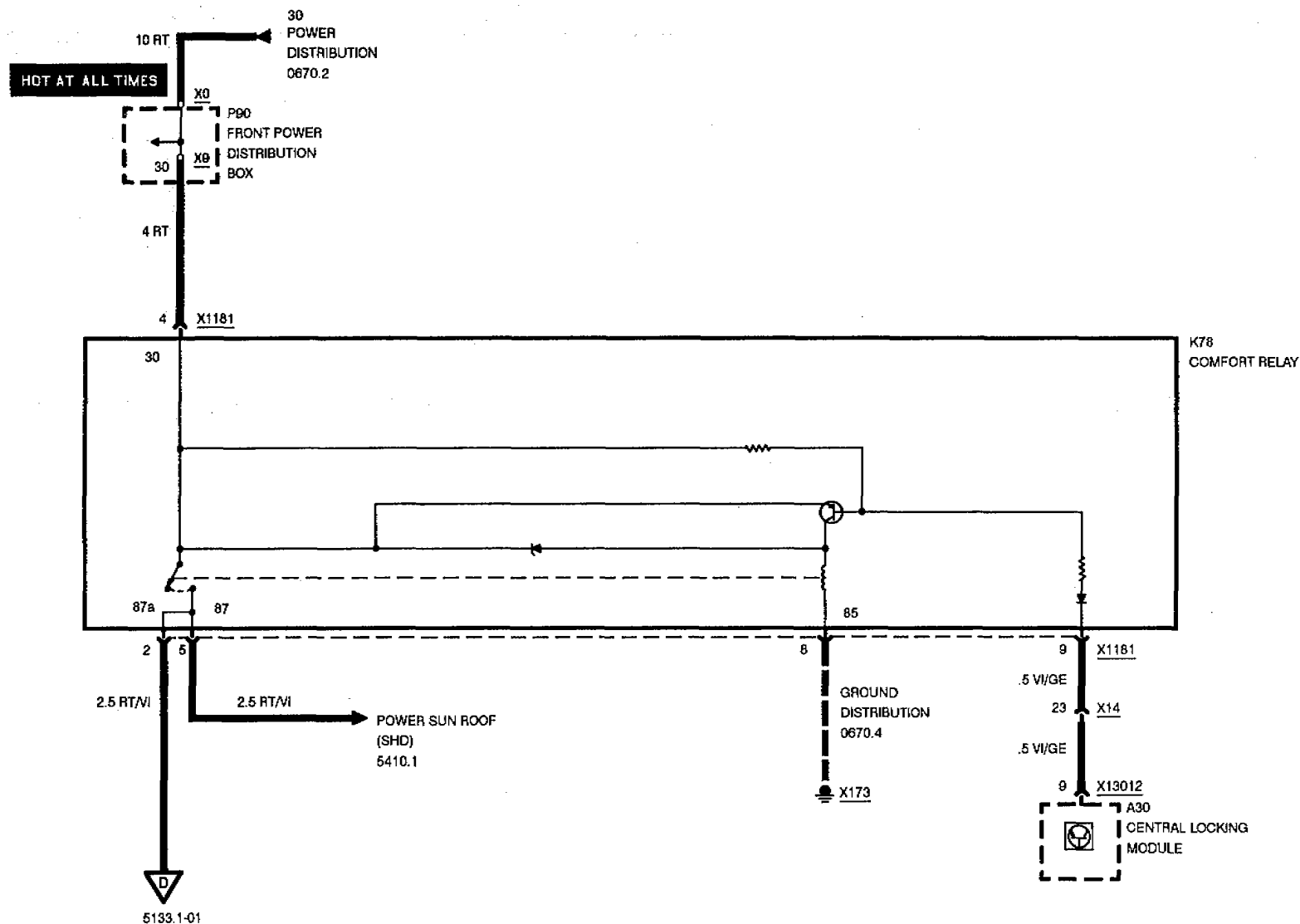


CENTRAL LOCKING MODULE II (ZVM II)

OUTPUT DETAILS

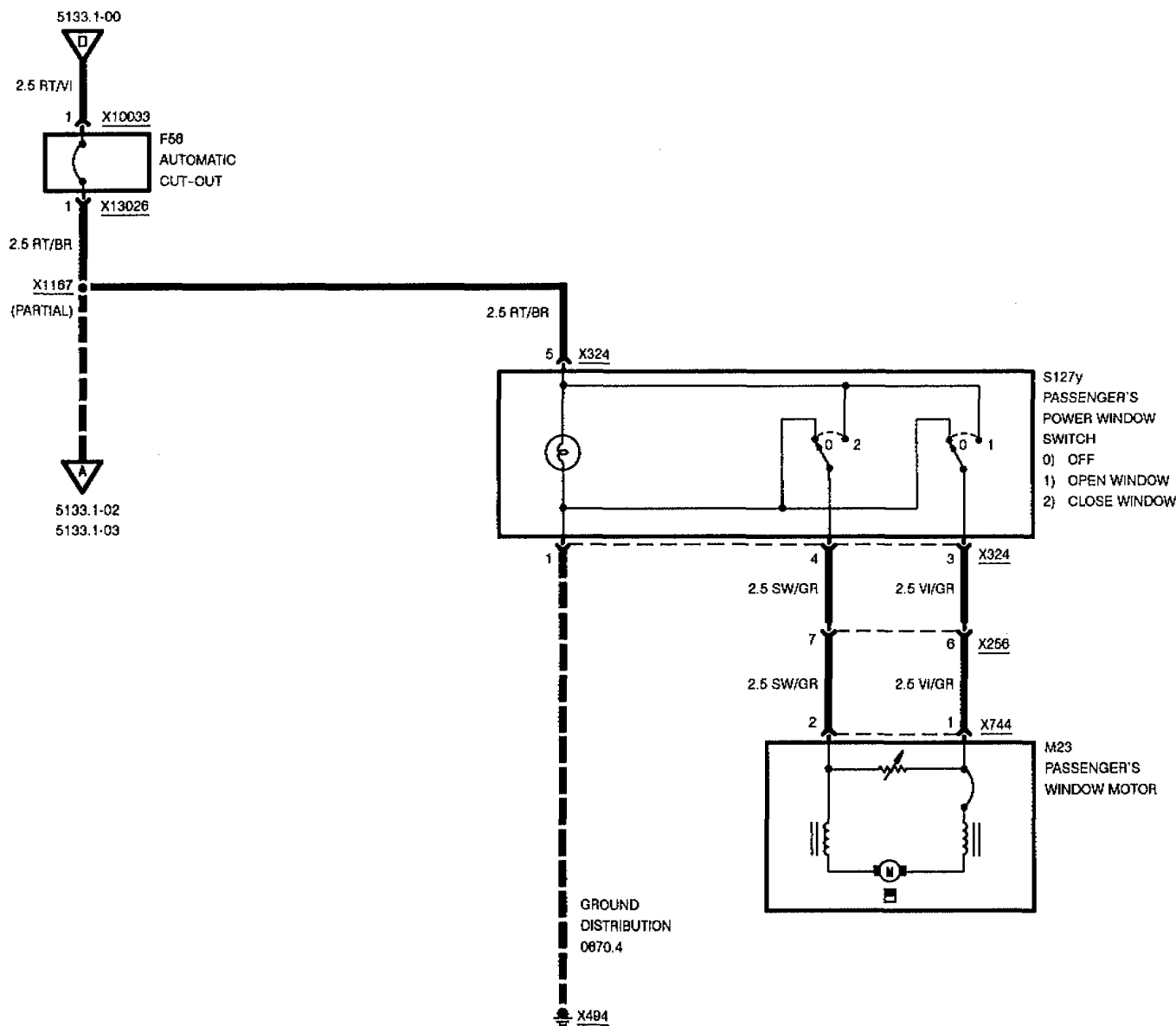




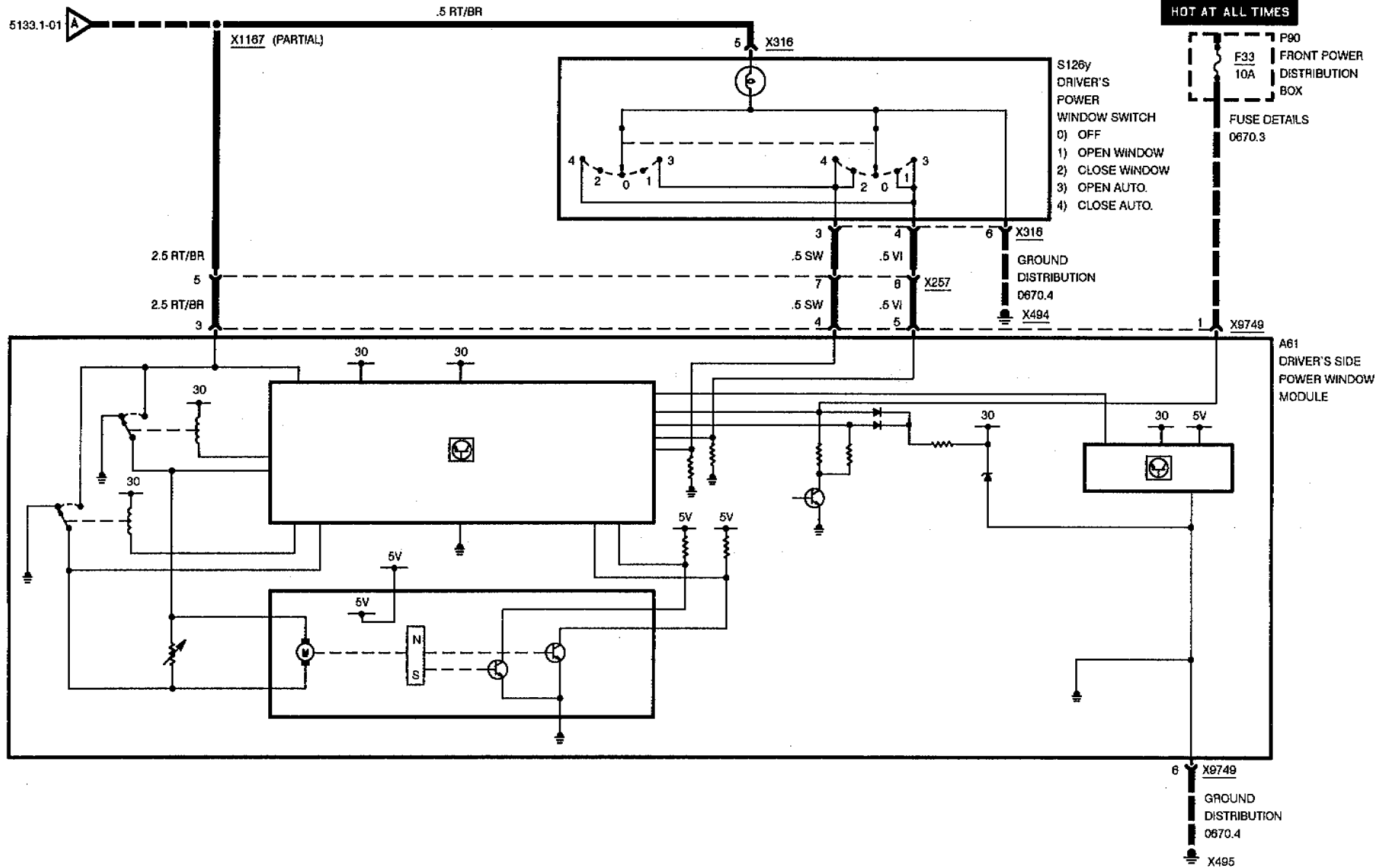


POWER WINDOWS (FH)

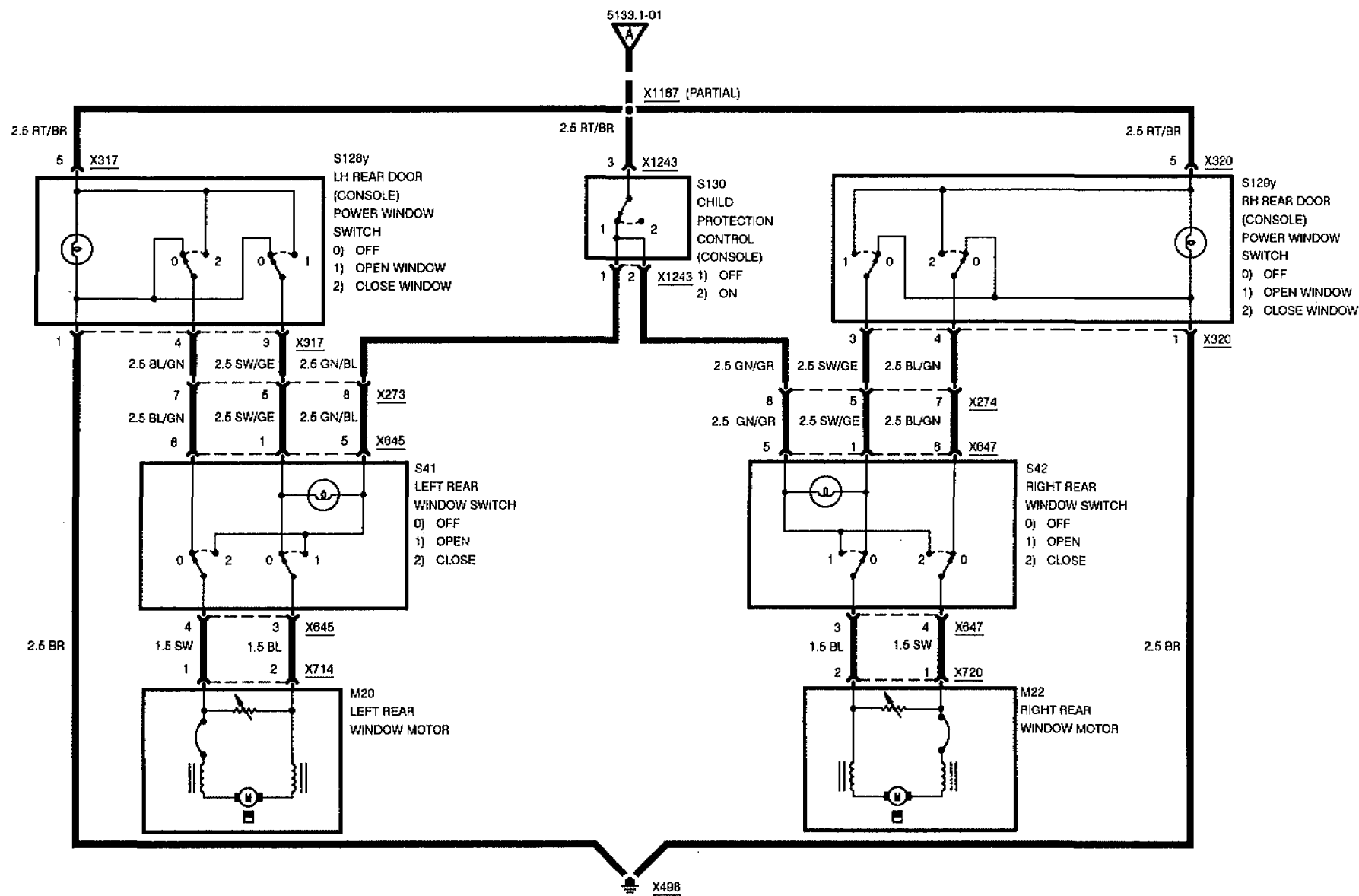
PASSENGER'S SIDE - FOUR DOOR



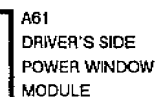
POWER WINDOWS (FH) DRIVER'S SIDE - FOUR-DOOR

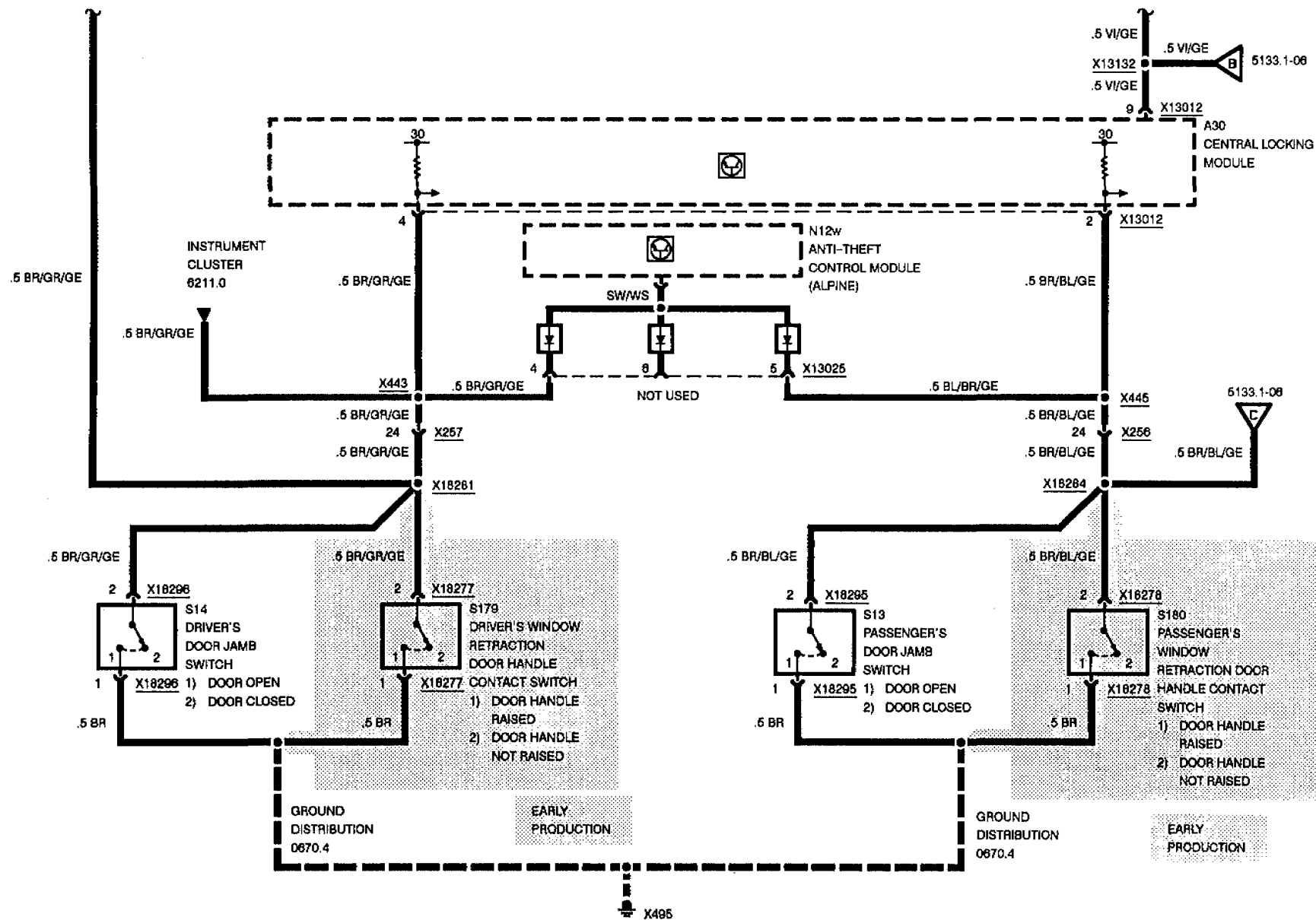


POWER WINDOWS (FH) REAR WINDOWS - FOUR-DOOR



P90
FRONT POWER
DISTRIBUTION
BOX
F14
30A
8
X10018
FUSE DETAILS
0670.3



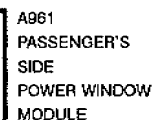


P90
FRONT POWER
DISTRIBUTION
BOX

F14
30A

8 **X10018**

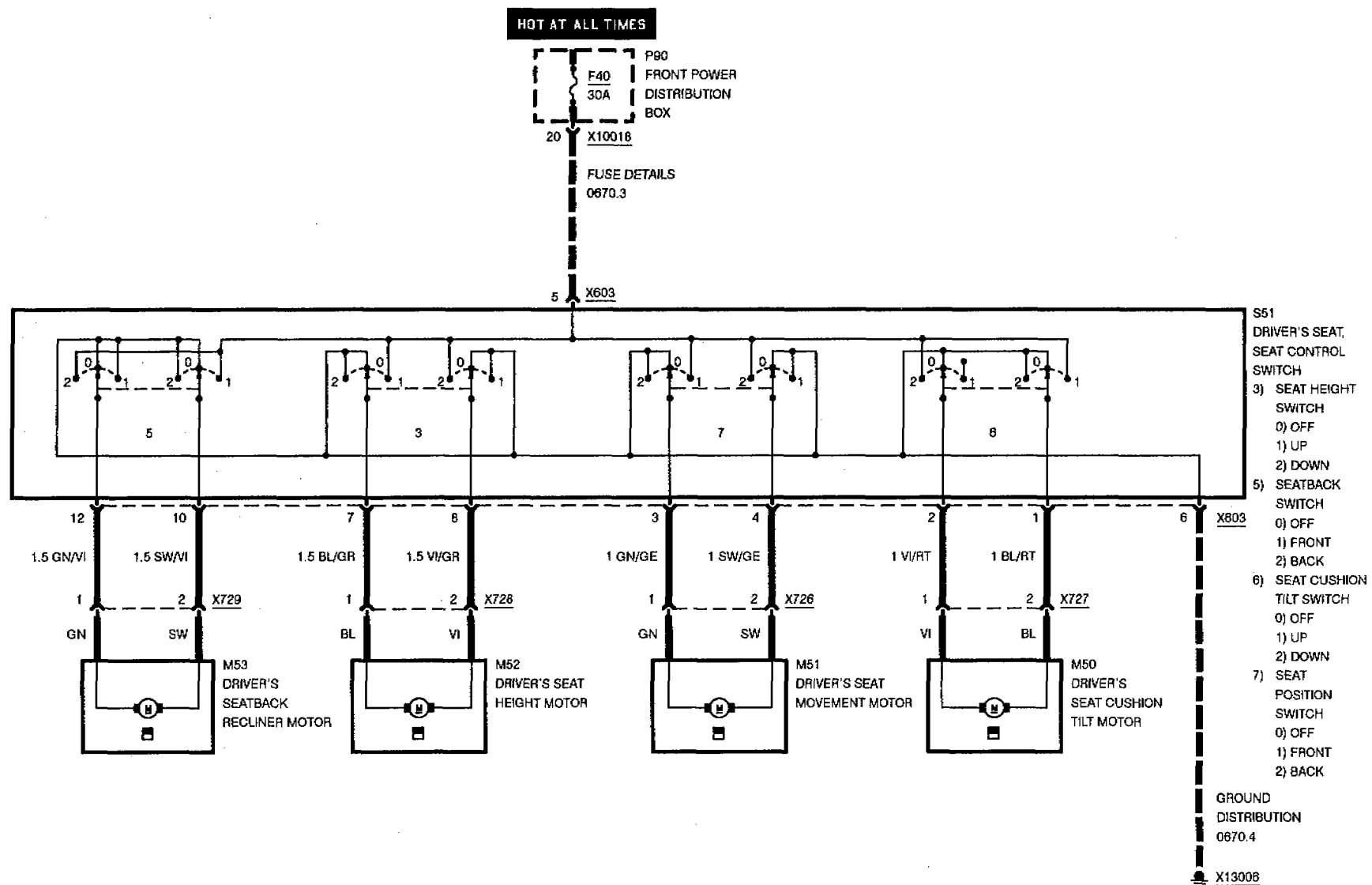
FUSE DETAILS
0670.3





POWER SEATS

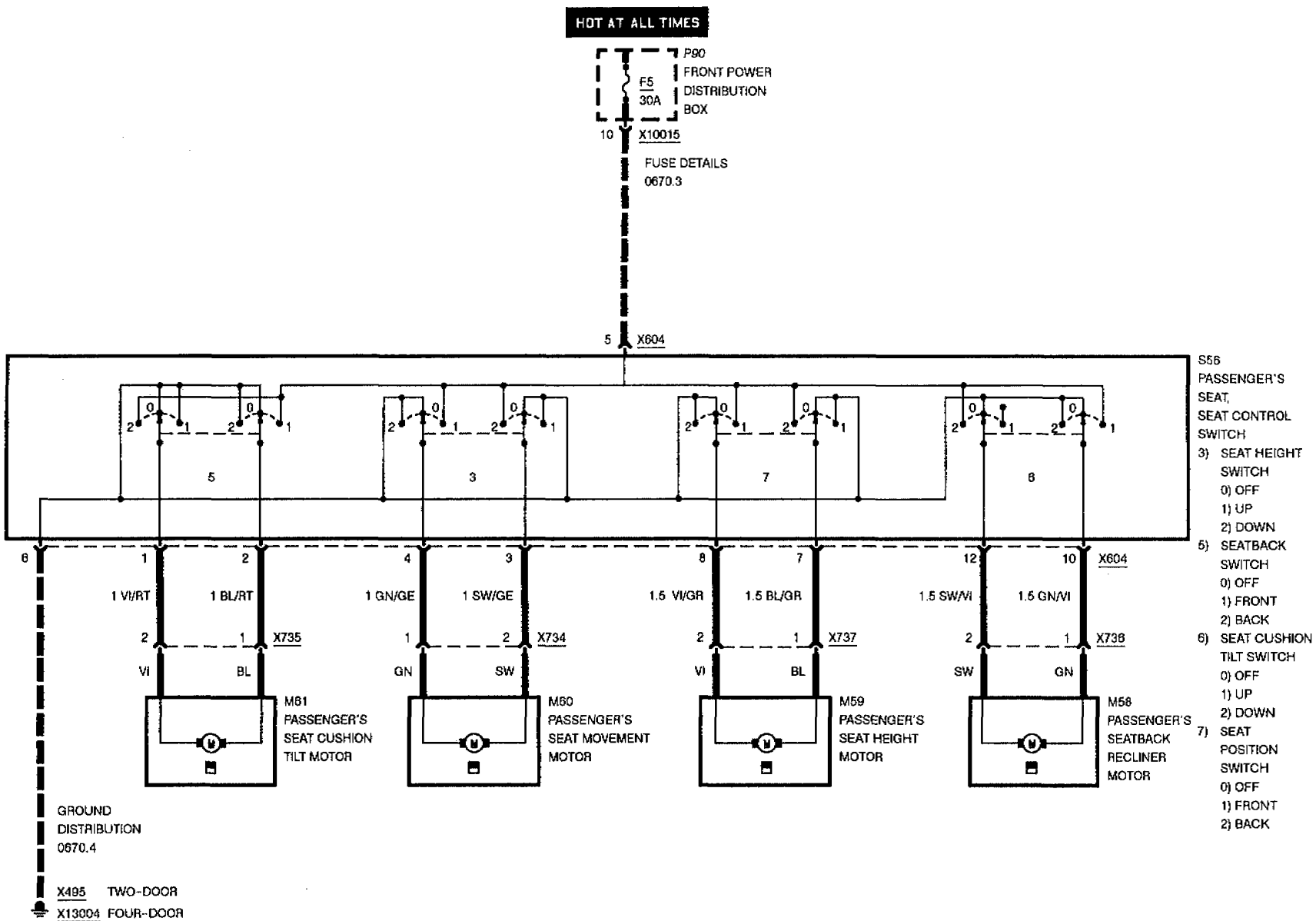
DRIVER'S SEAT

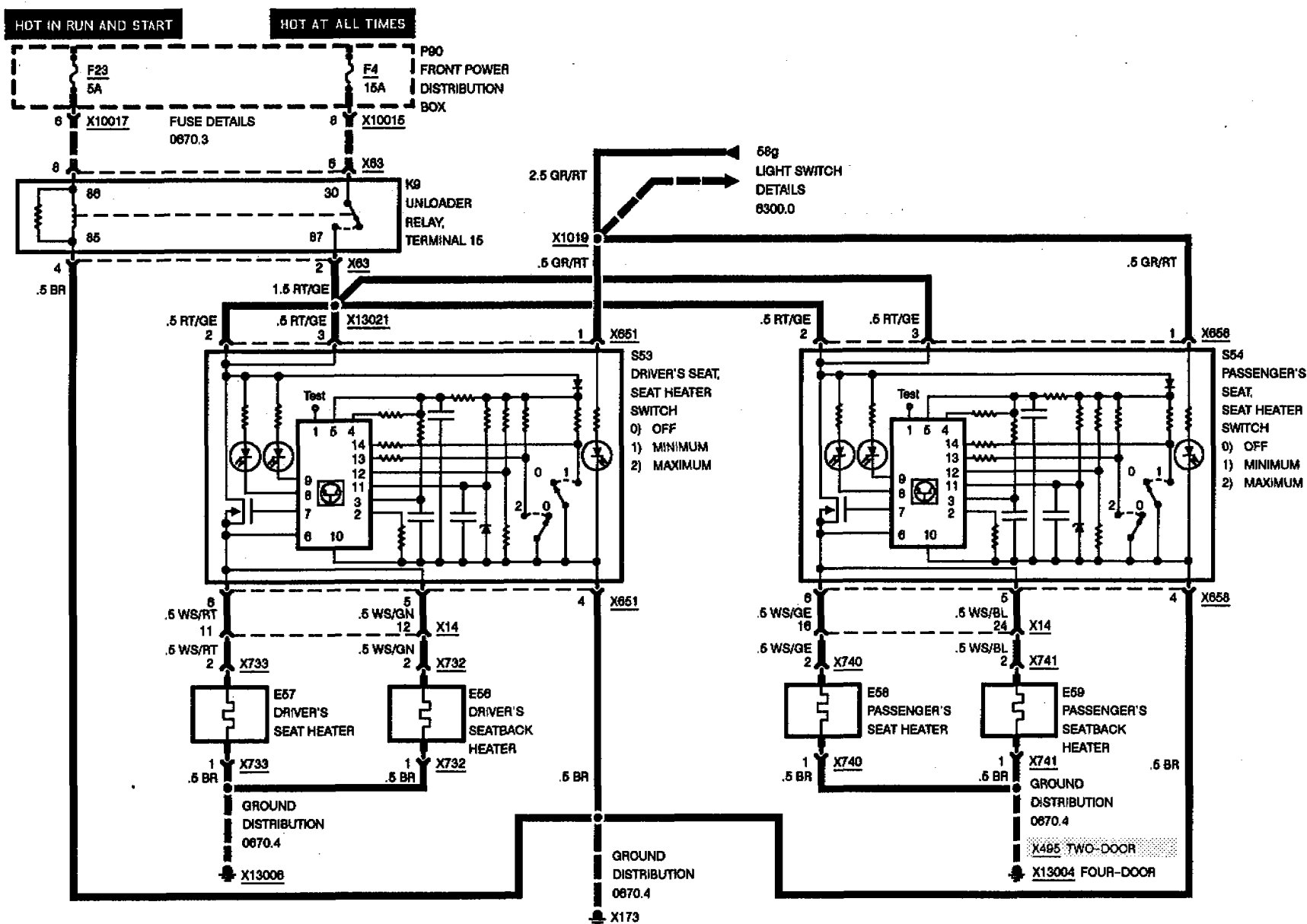




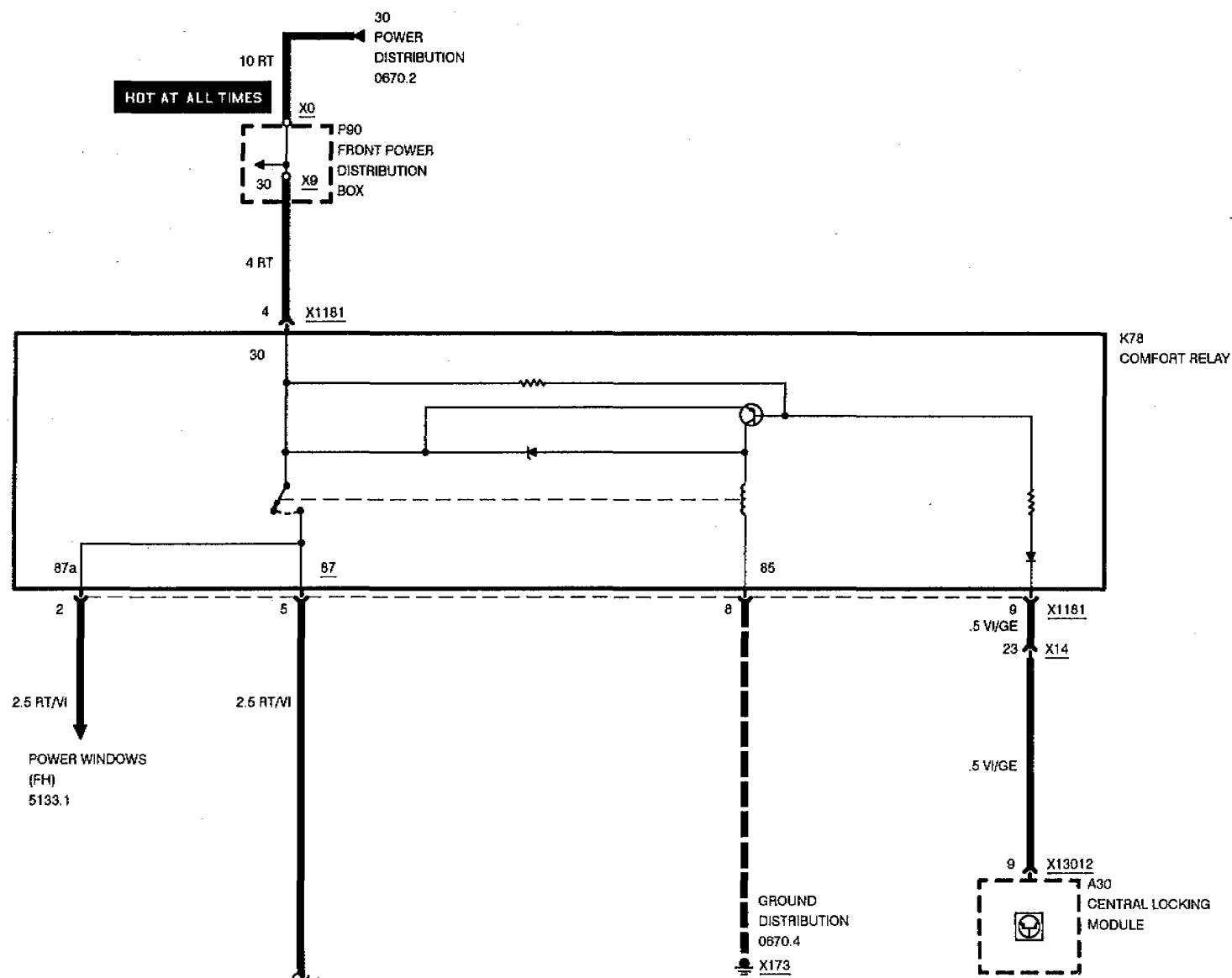
POWER SEATS

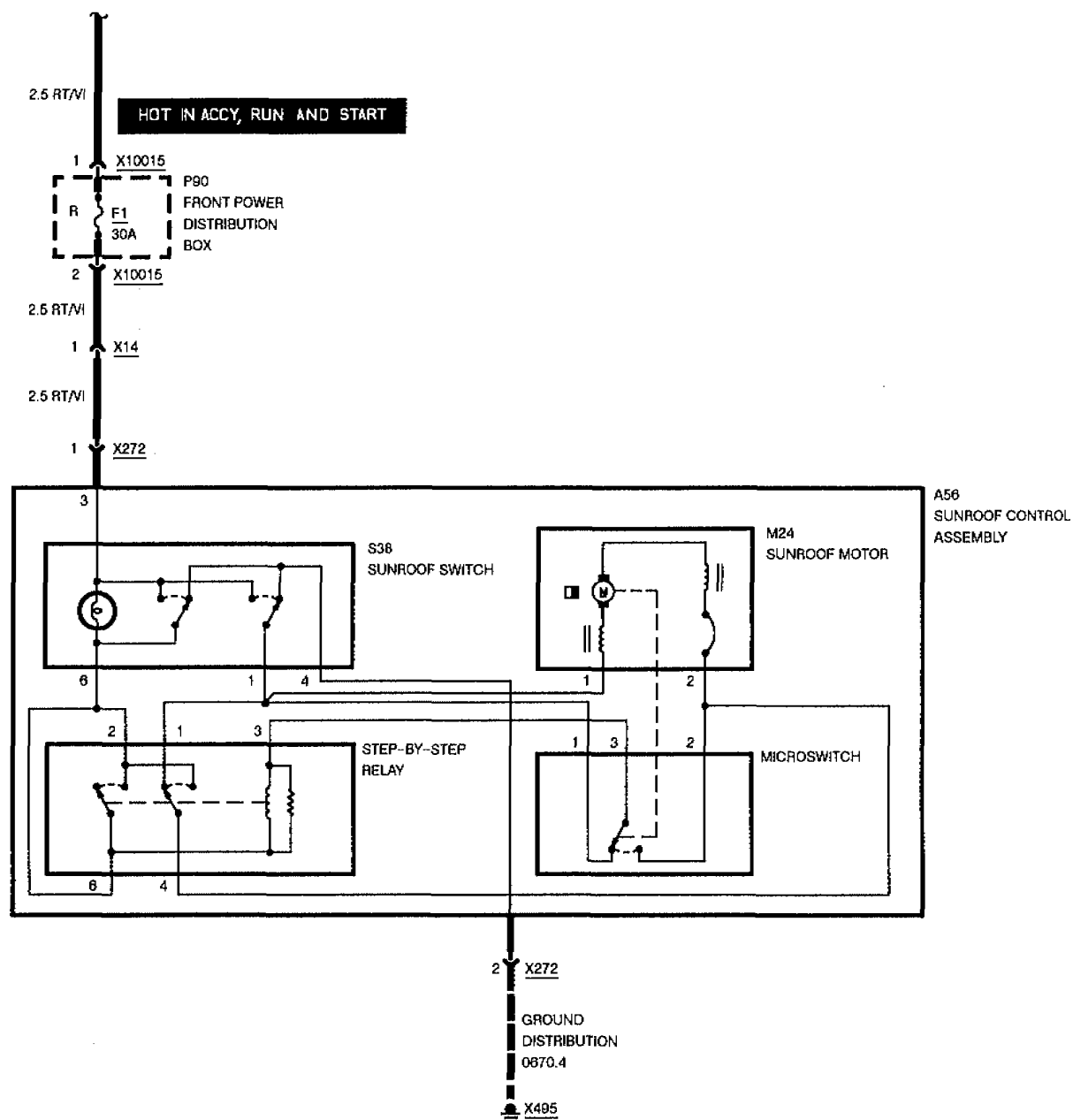
PASSENGER'S SEAT

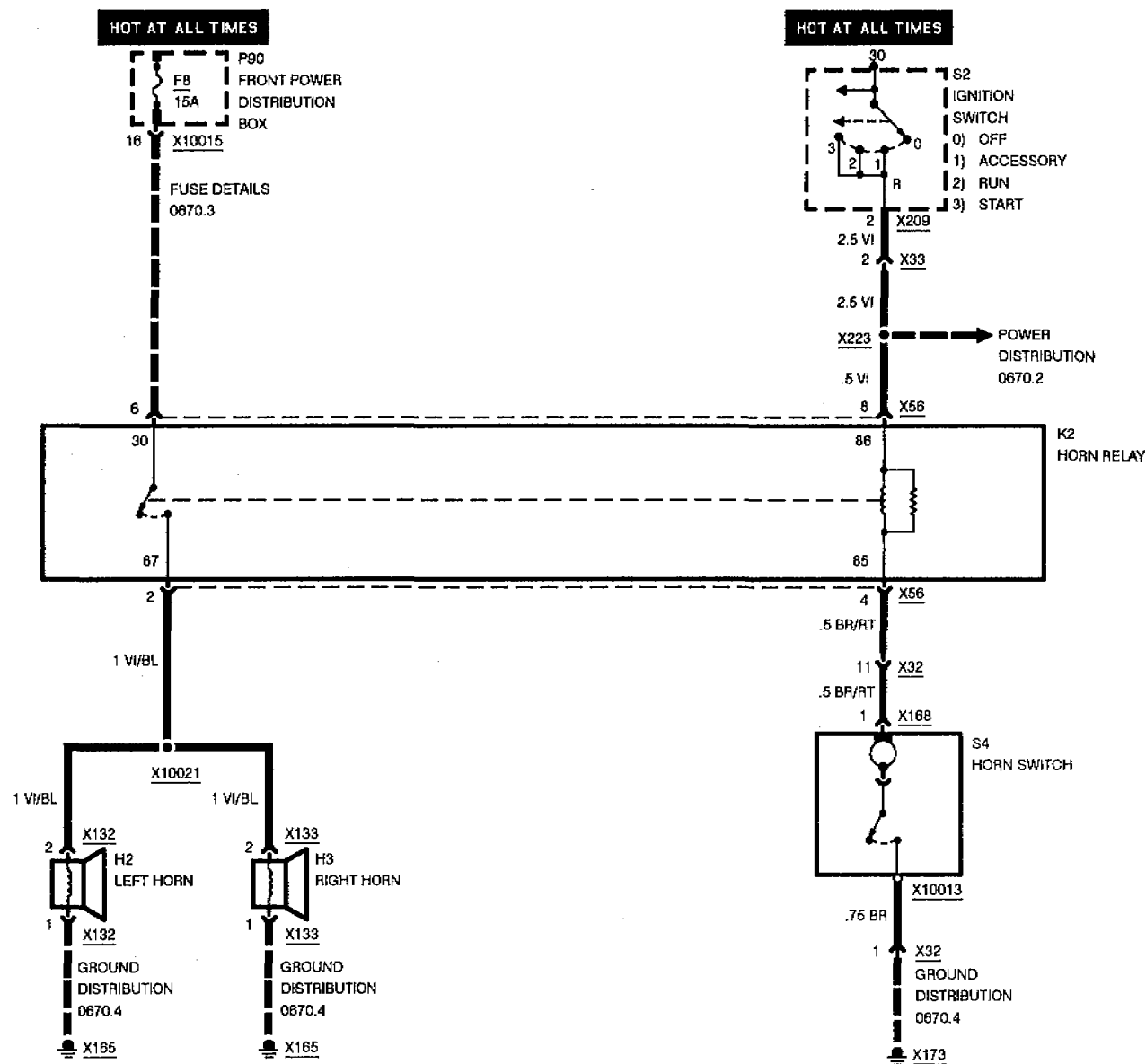




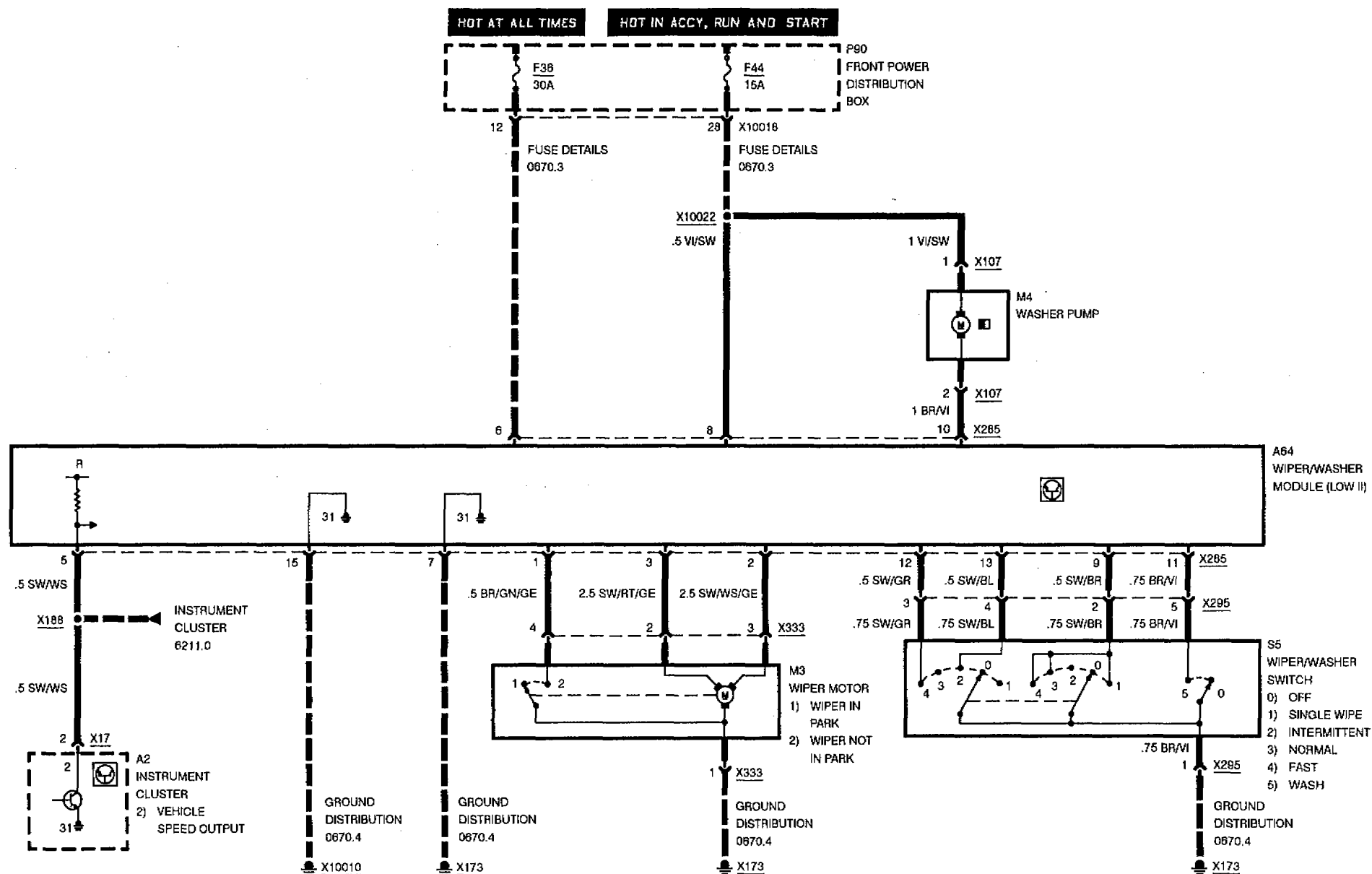


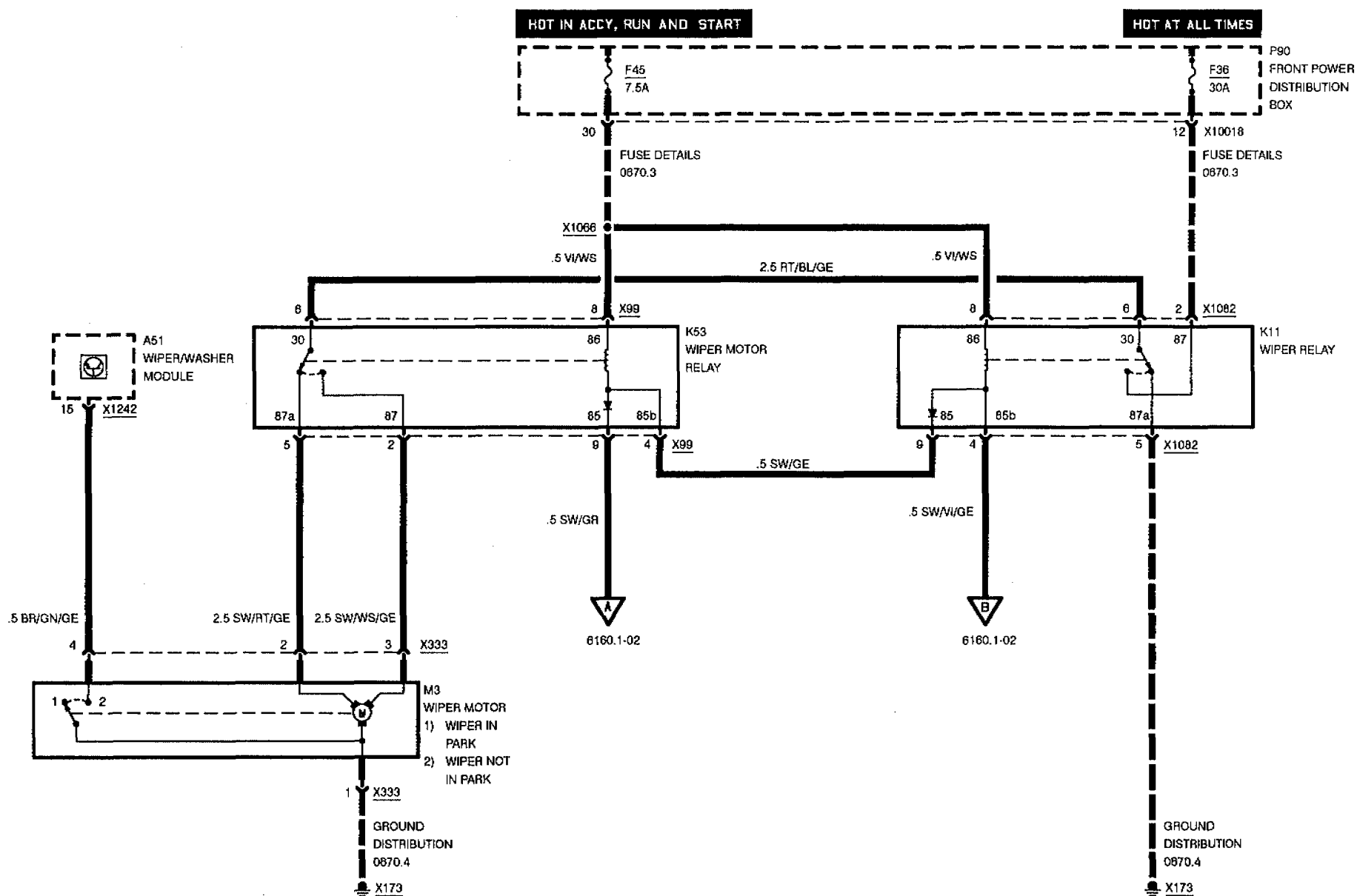


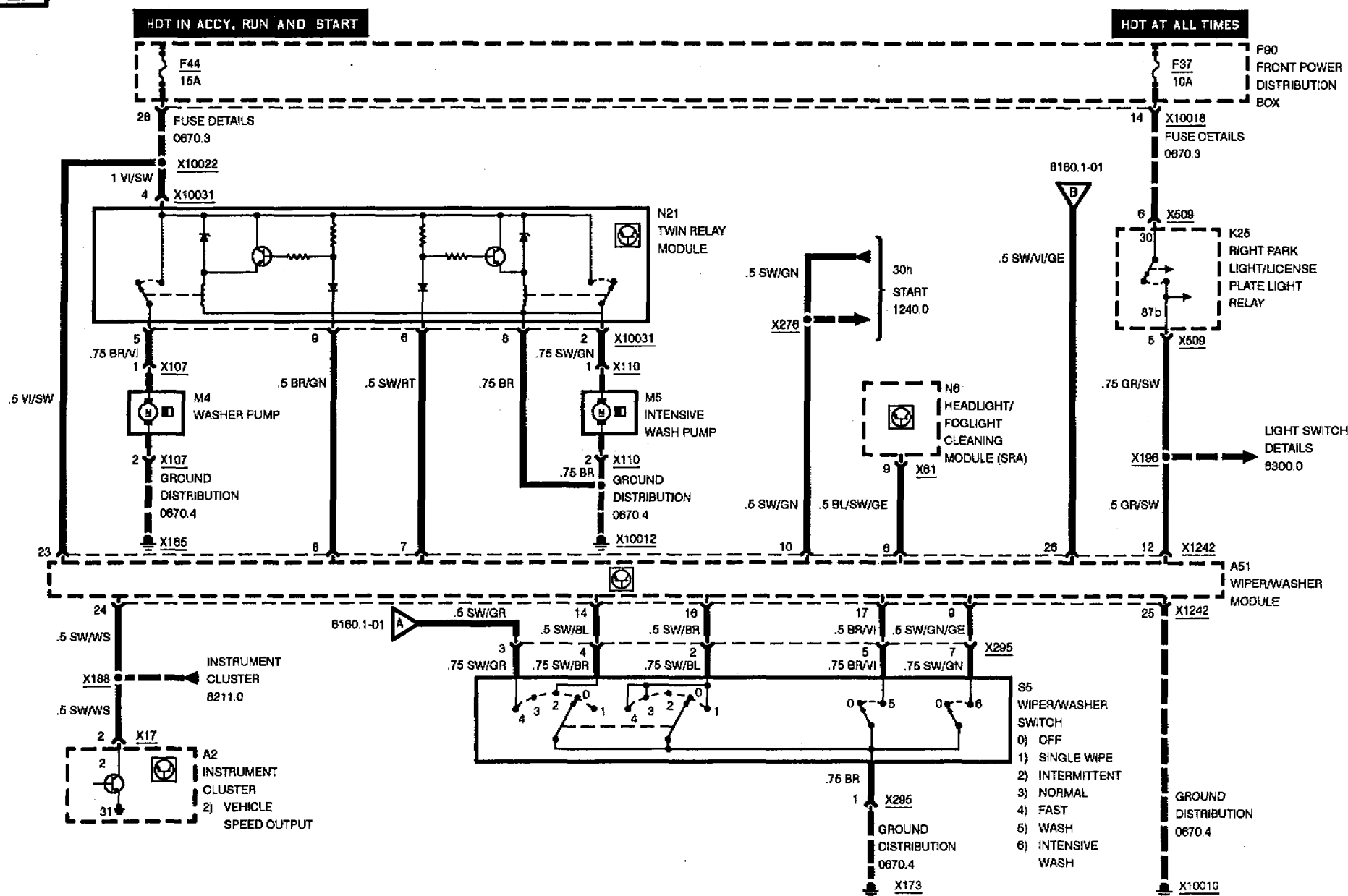




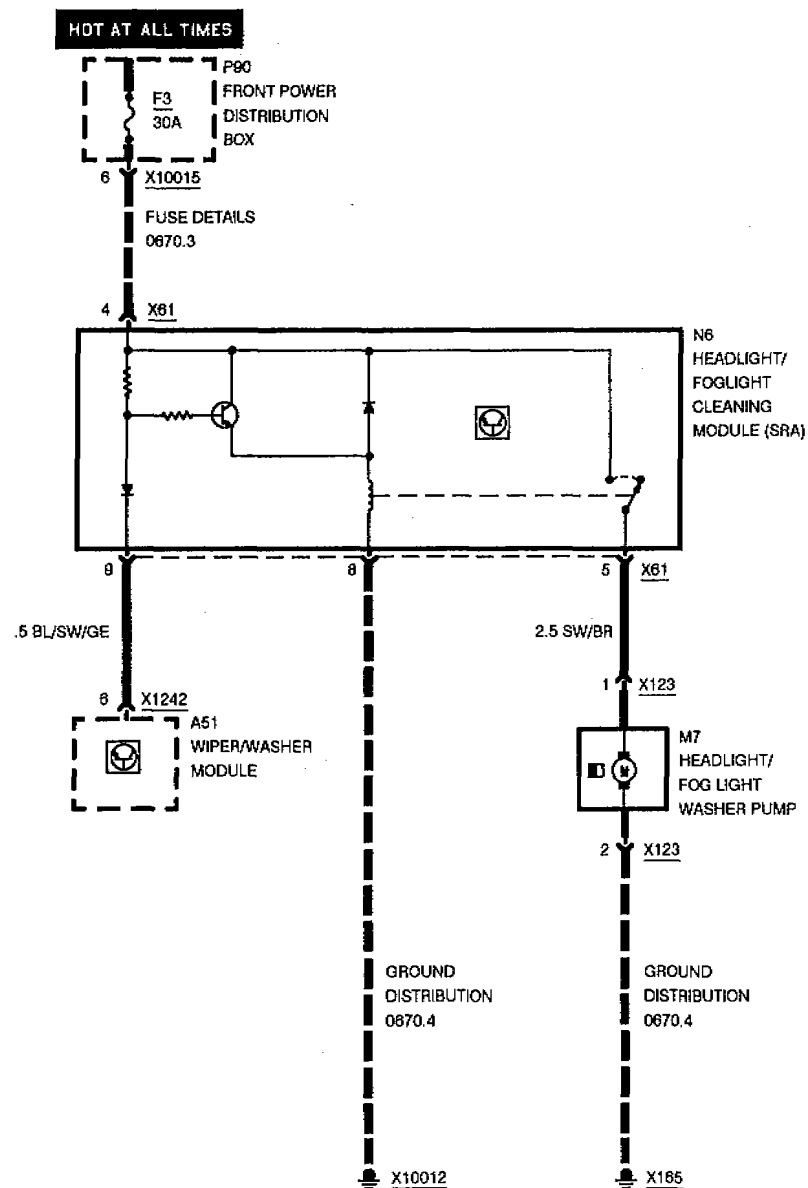




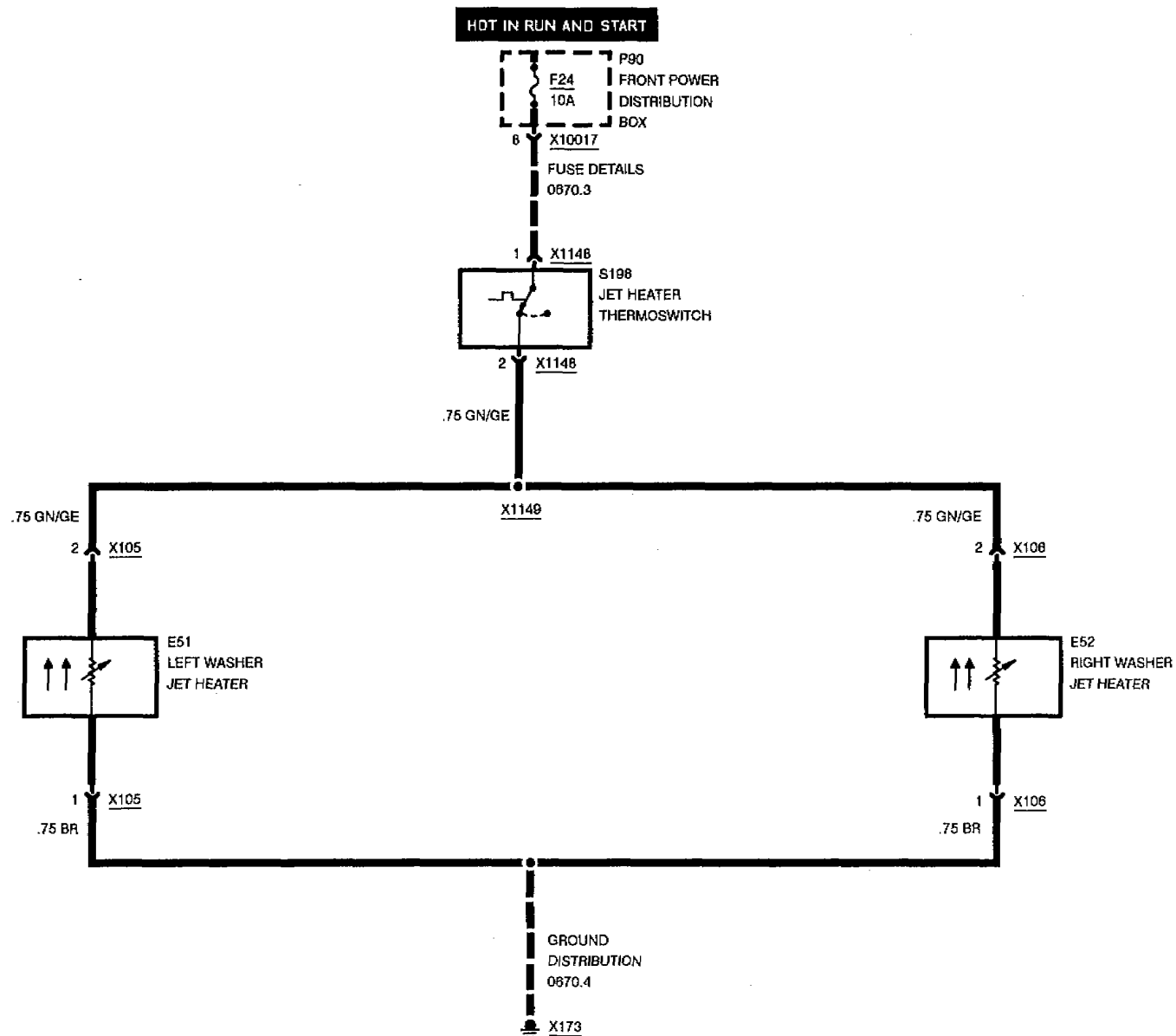


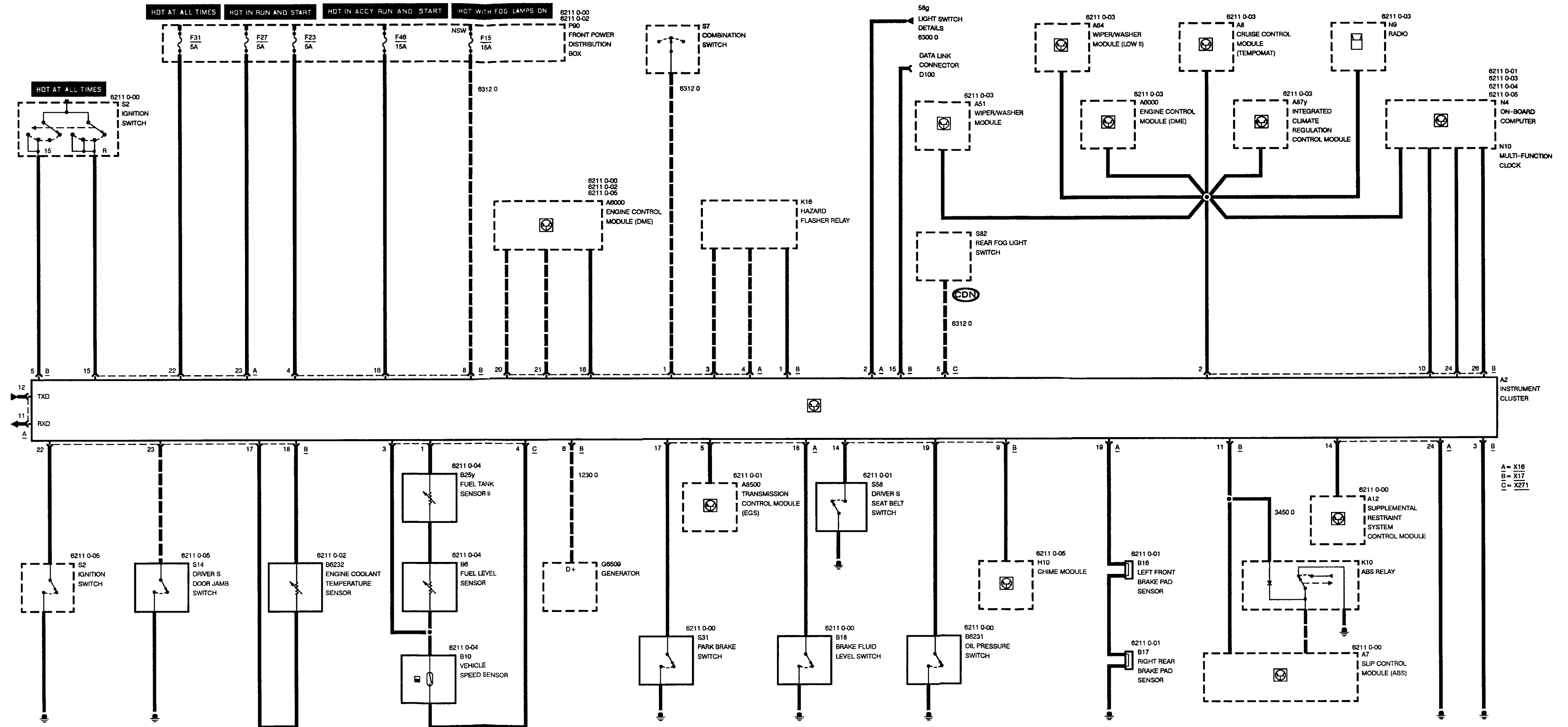


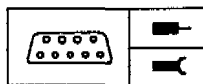












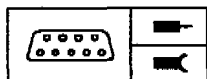
Pin Assignments

A = X16	26 Pins, white
B = X17	26 Pins, blue
C = X271	12 Pins, black

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	A	RxD diagnostic data link	Data link connector
12	E/A	TxD diagnostic data link	Data link connector
13		Not used	
14	E	Airbag warning lamp (SRS) control	Supplemental restraint system control module
15	E	Voltage supply, terminal R for airbag warning lamp (SRS)	Ignition switch, terminal R
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	E	Fuel consumption signal + KVA	Engine control module (DME)
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

E = Input, A = Output, M = Ground



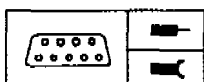
Pin Assignments

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

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	A	Information signal, fuel tank content	On-board computer
11	E	Slip control system warning lamp (ABS) control	Slip control module (ABS)
12		Not used	
13		Not used	
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	E	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		Not used	
22	E	Ignition key warning/audible ignition key warning	Ignition switch
23	E	Driver's door open	Driver's door jamb switch
24	A	Dimmer signal/brightness information signal for connected control modules	On-board computer or multi-function clock

E = Input, A = Output, M = Ground



Pin Assignments

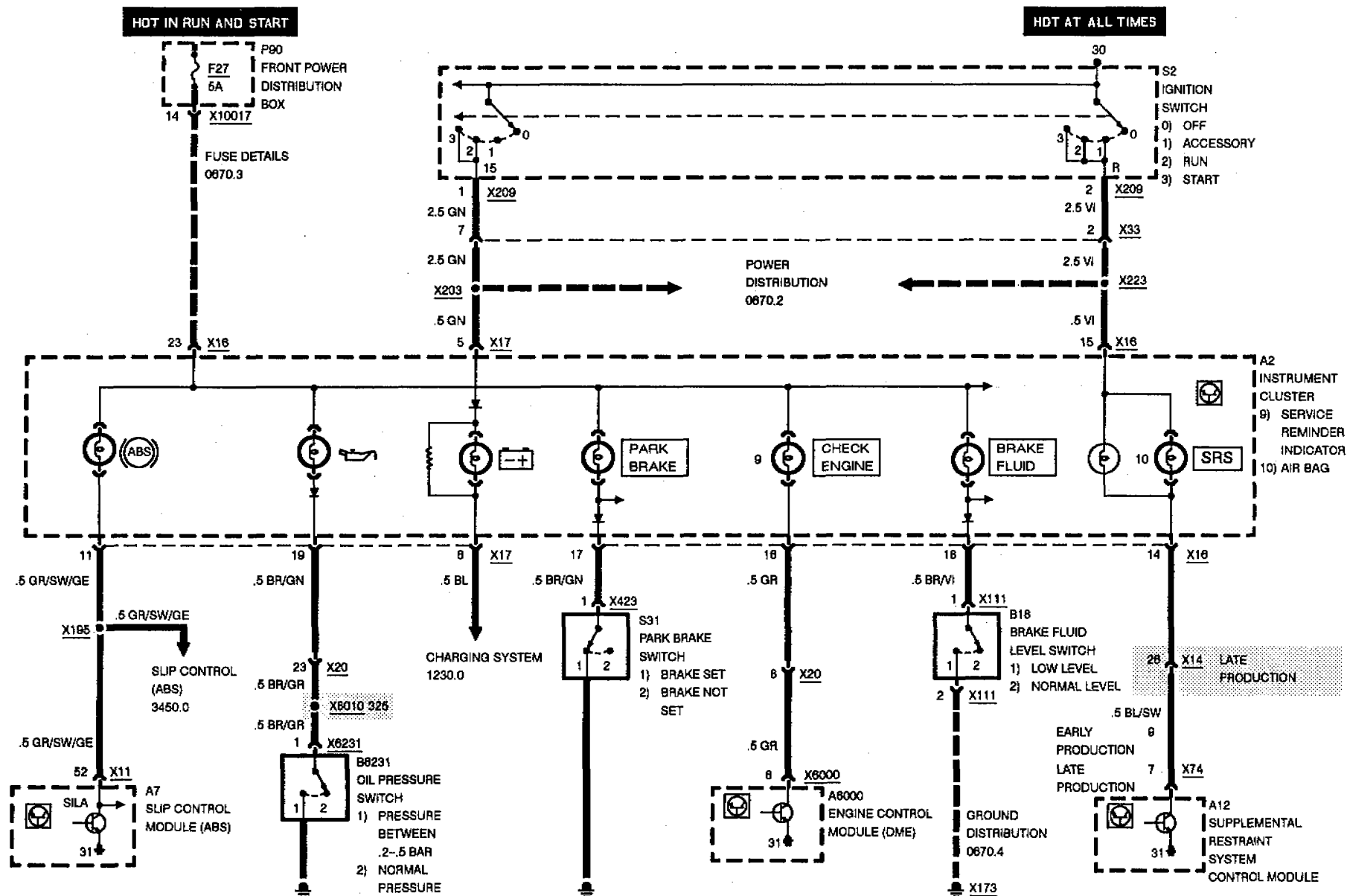
Pin	Type	Description/Function	Connection
25		Not used	
26	E	Central indicator lamp/check-control	On-board computer or multi-function clock

X271

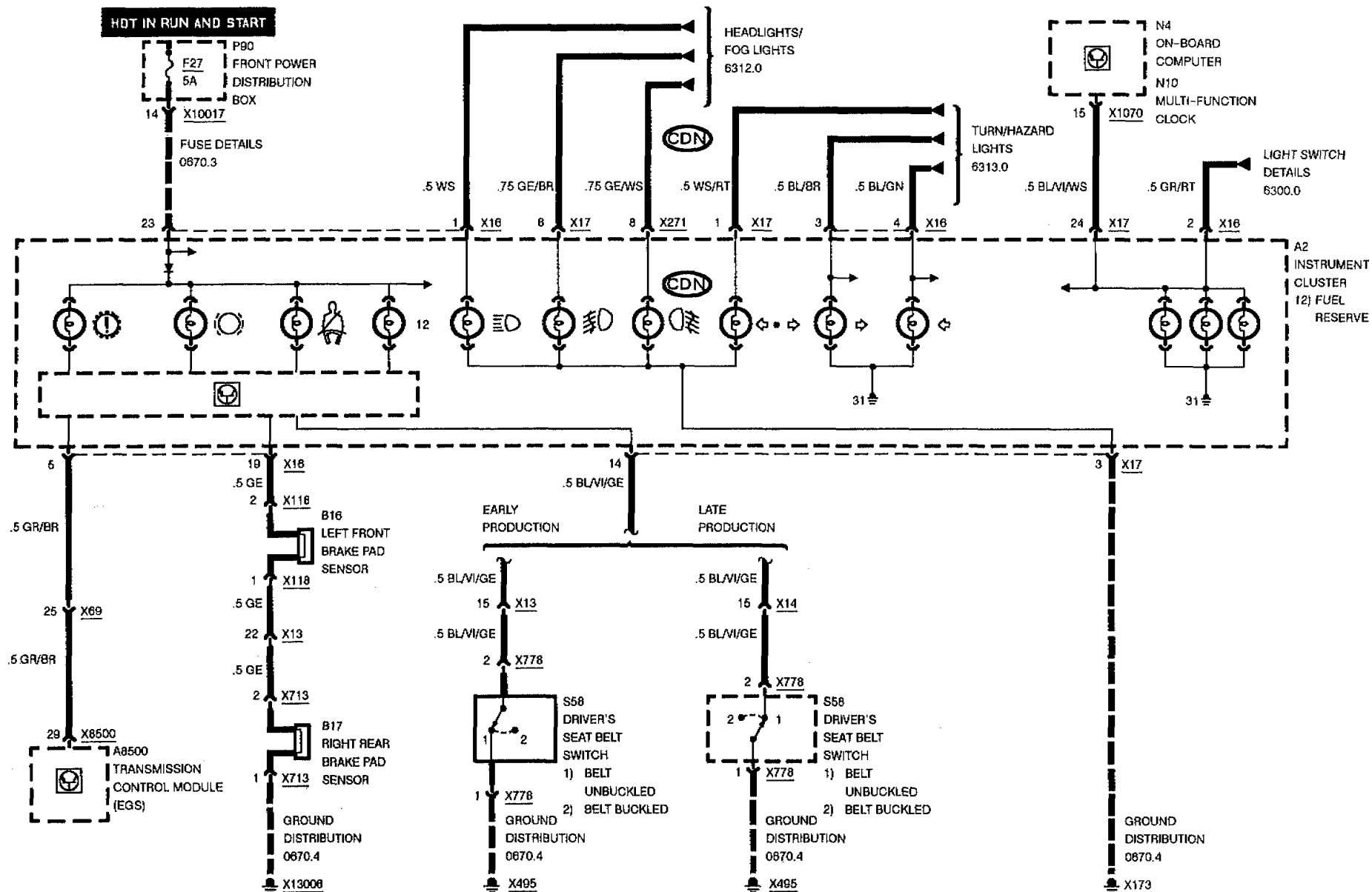
Pin	Type	Description/Function	Connection
1	A	Fuel level sensor	Fuel tank sensors
2		Not used	
3	A	Ground supply for fuel tank sensors and vehicle speed sensor	Fuel tank sensors and vehicle speed sensor
4	E	Position signal tw	Vehicle speed sensor
5	CDN E	Rear fog lights indicator control	Rear fog light switch
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

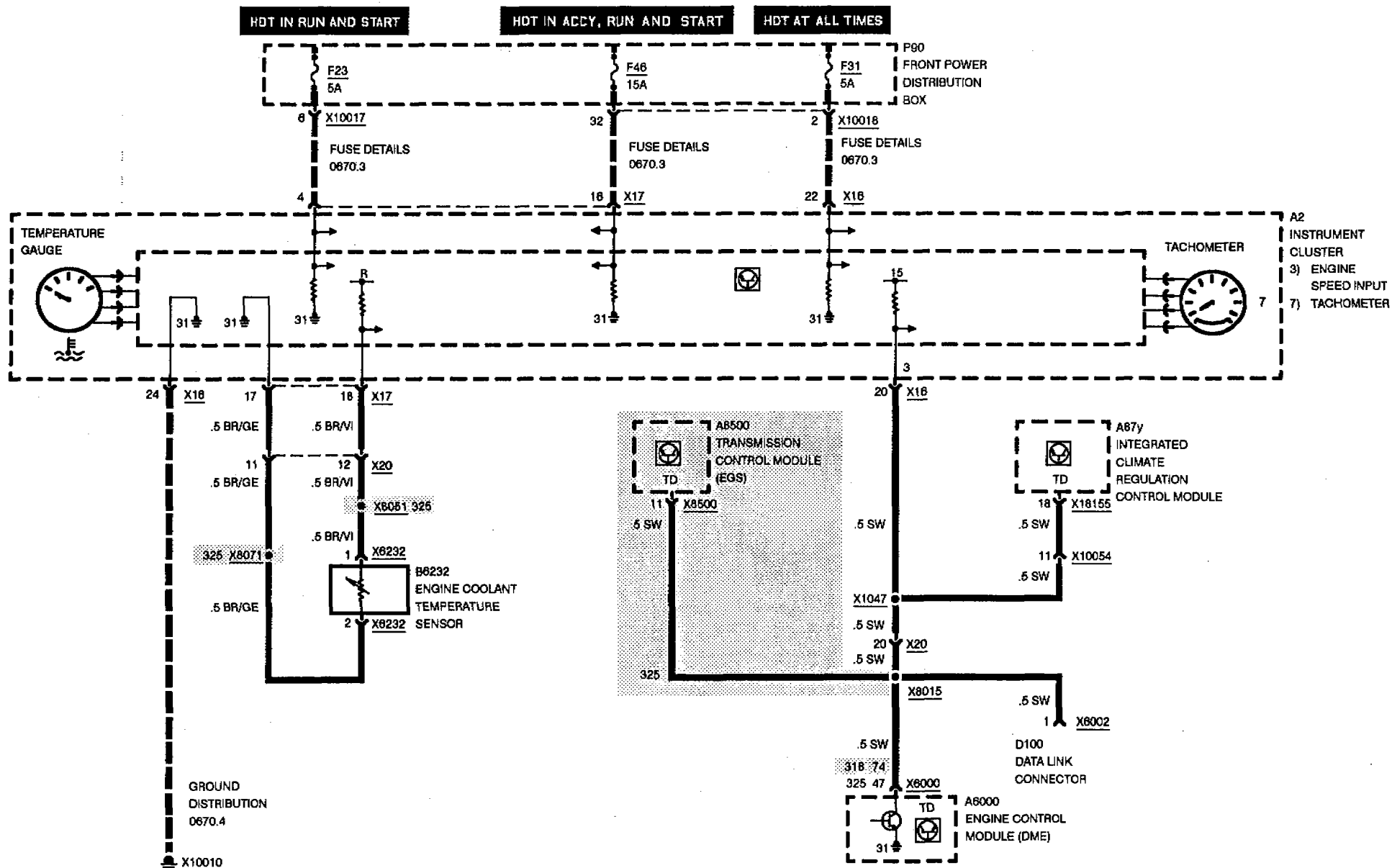
INSTRUMENT CLUSTER INDICATORS



INSTRUMENT CLUSTER

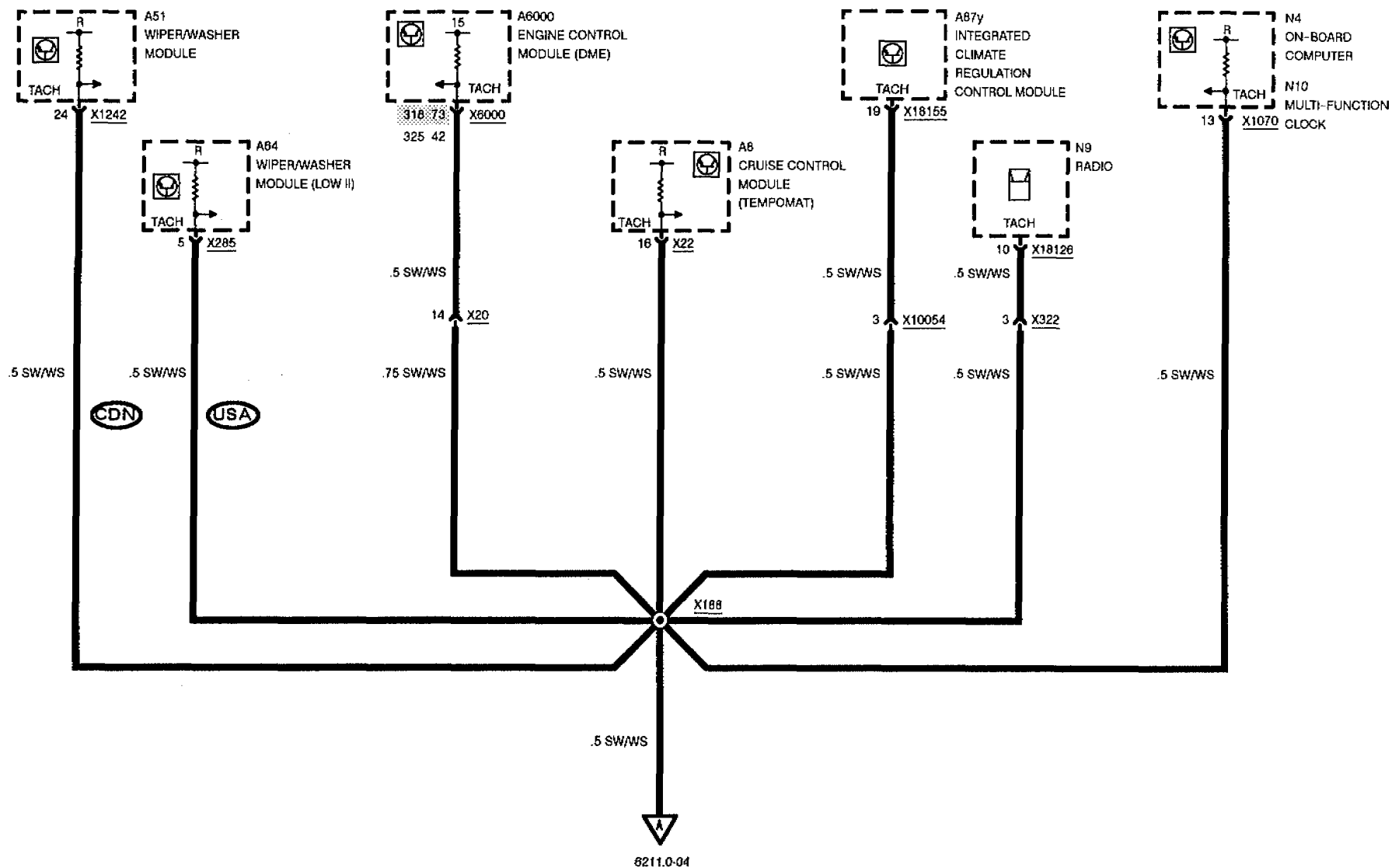


INSTRUMENT CLUSTER INDICATORS



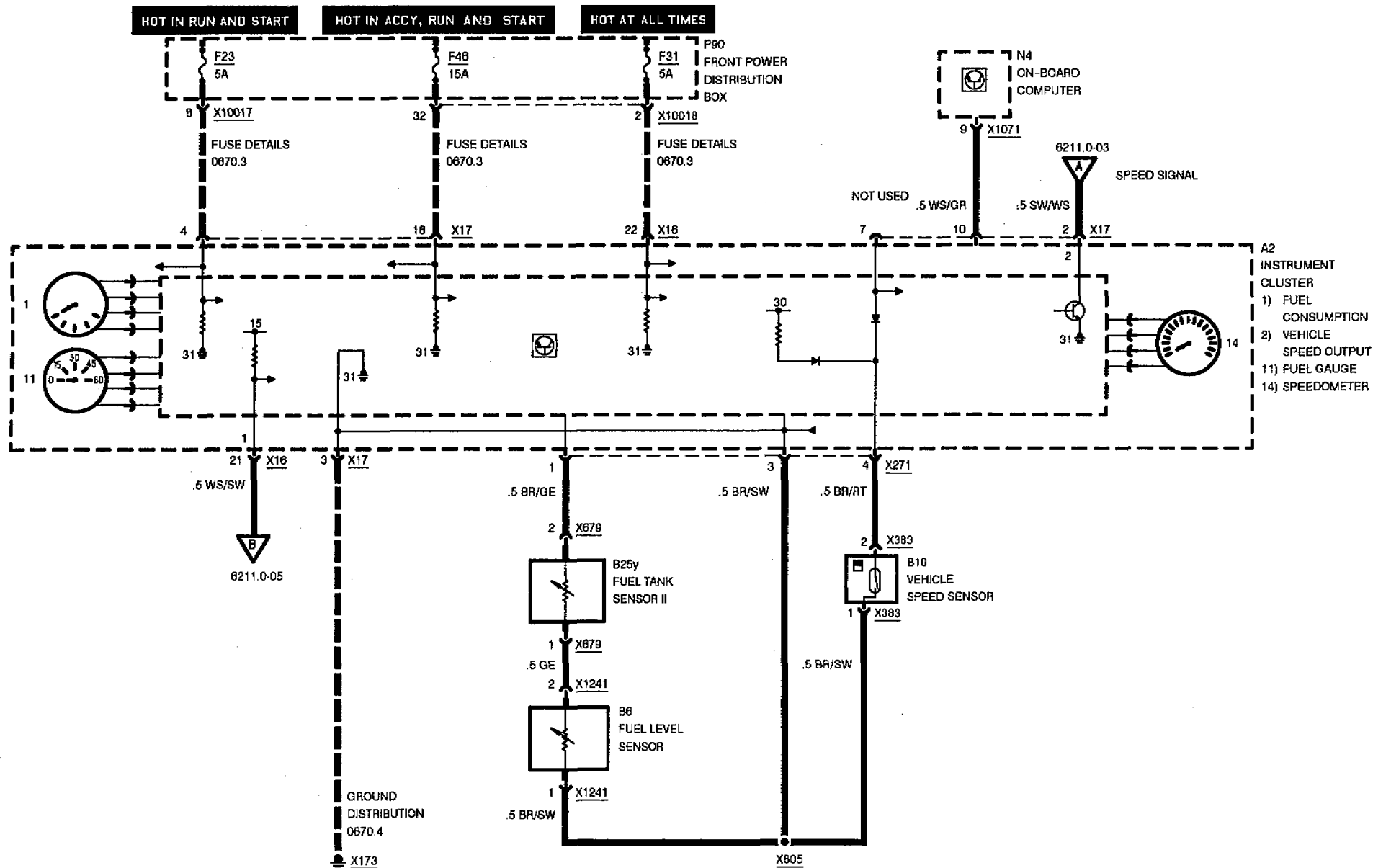
INSTRUMENT CLUSTER

SIGNAL-OUTPUT SPEEDOMETER



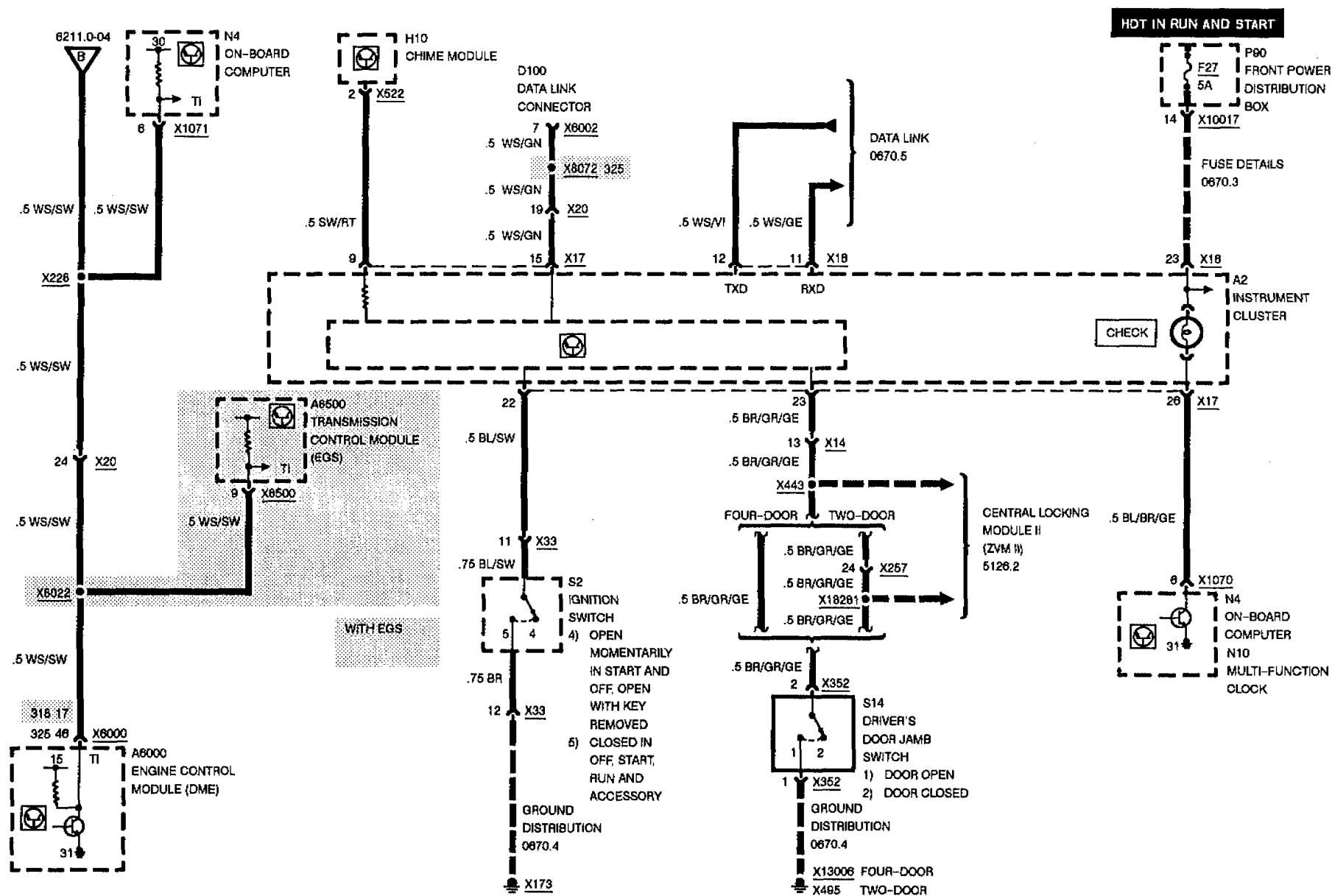


INSTRUMENT CLUSTER INDICATORS

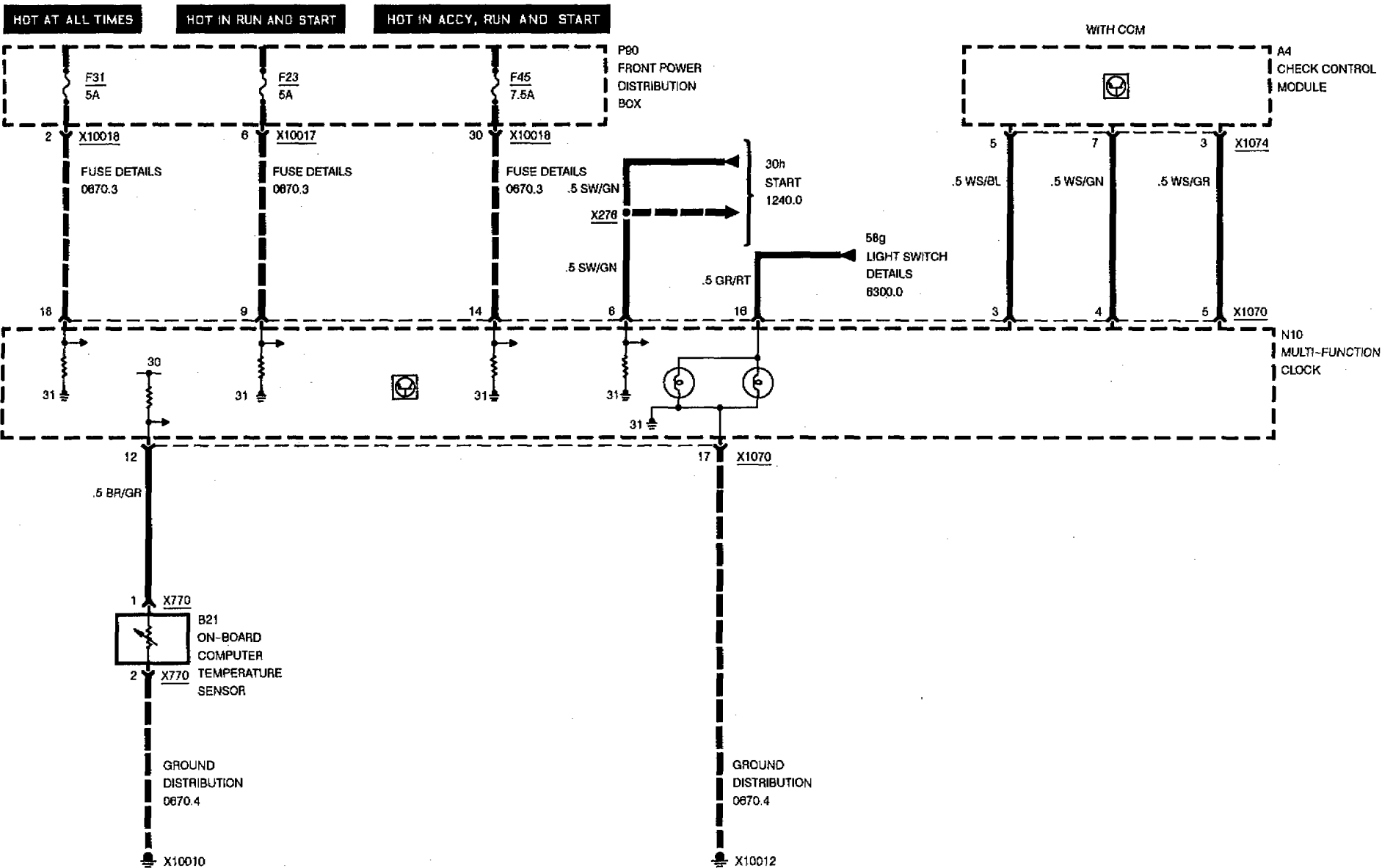


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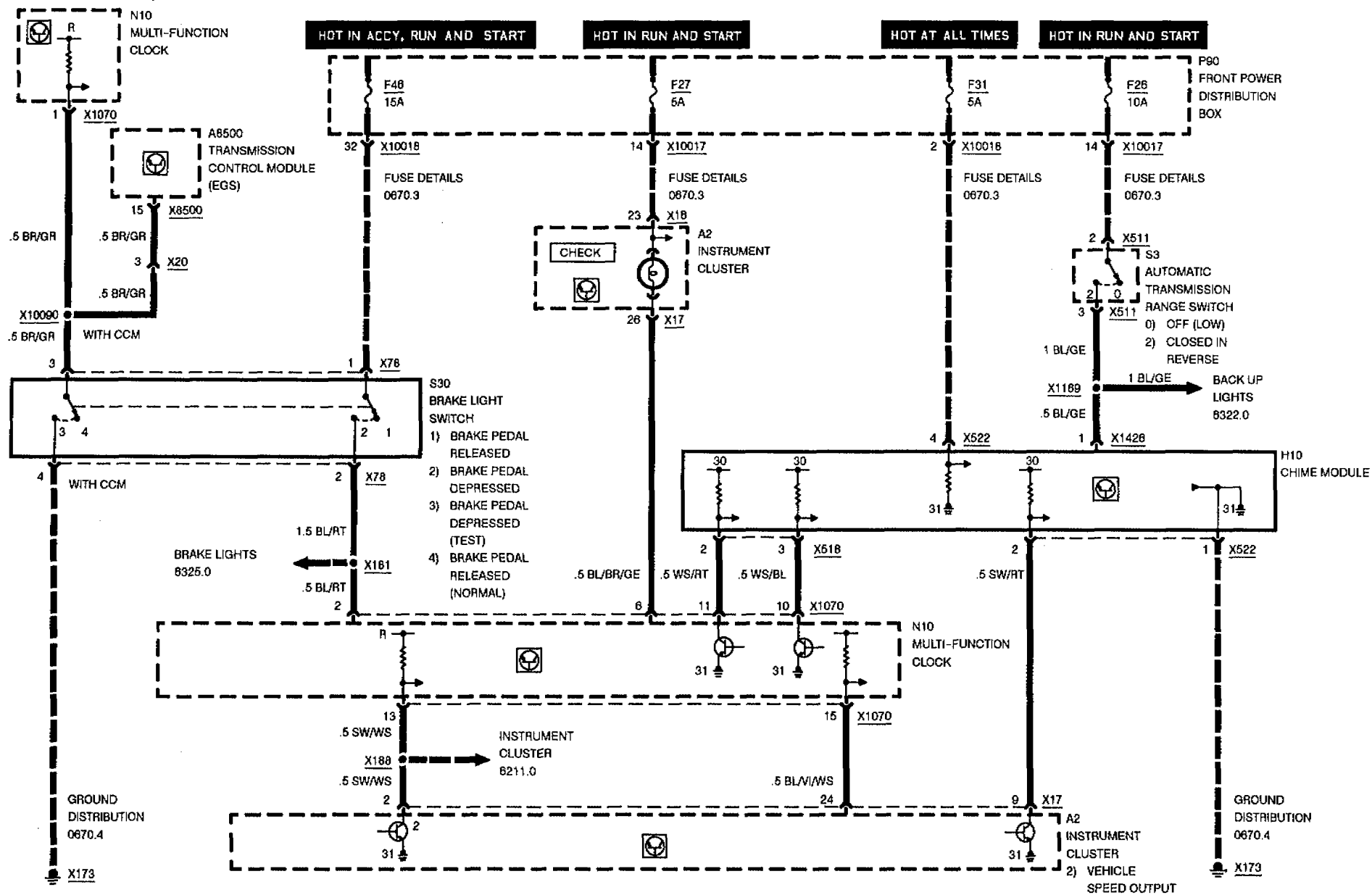
INDICATORS

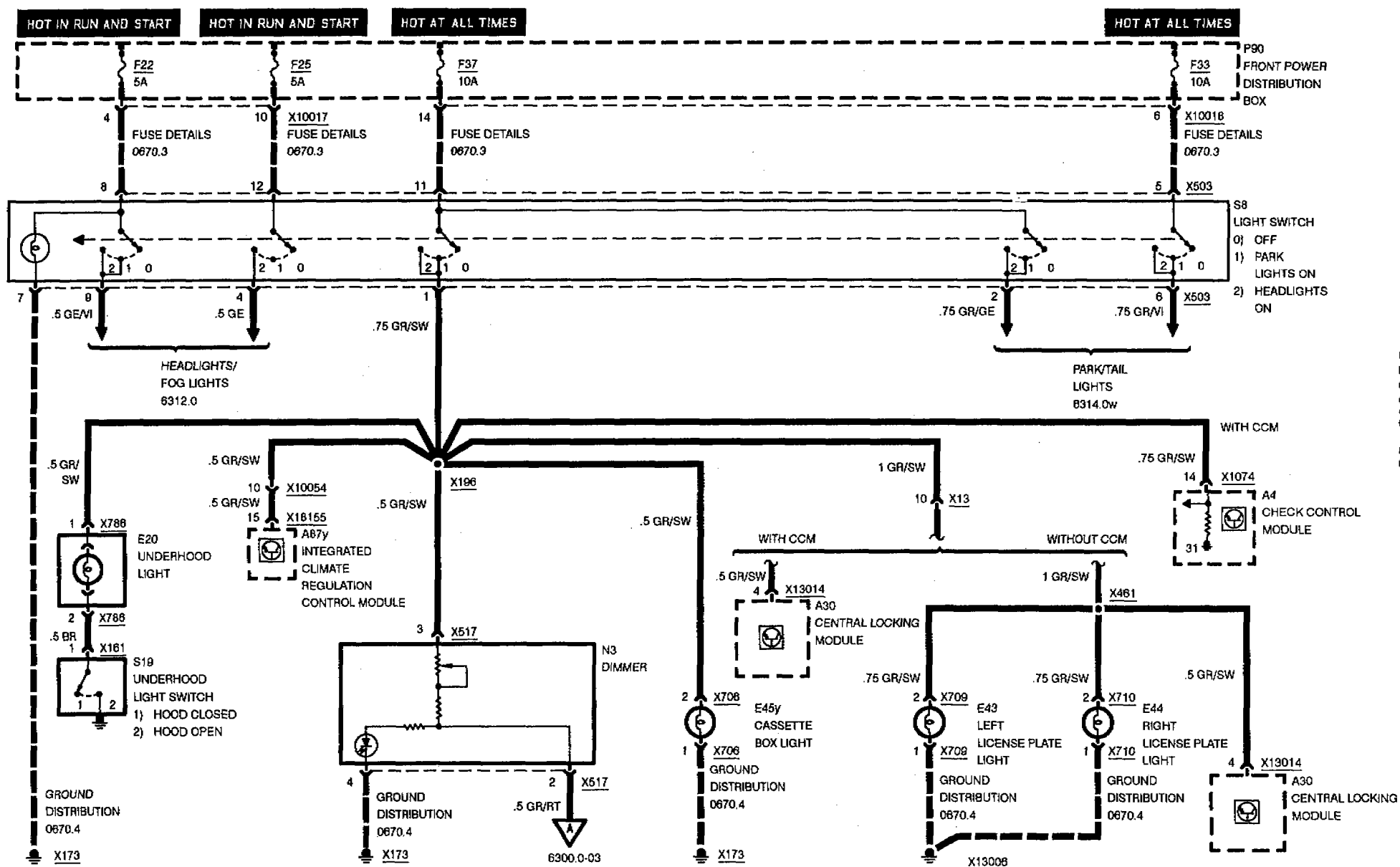


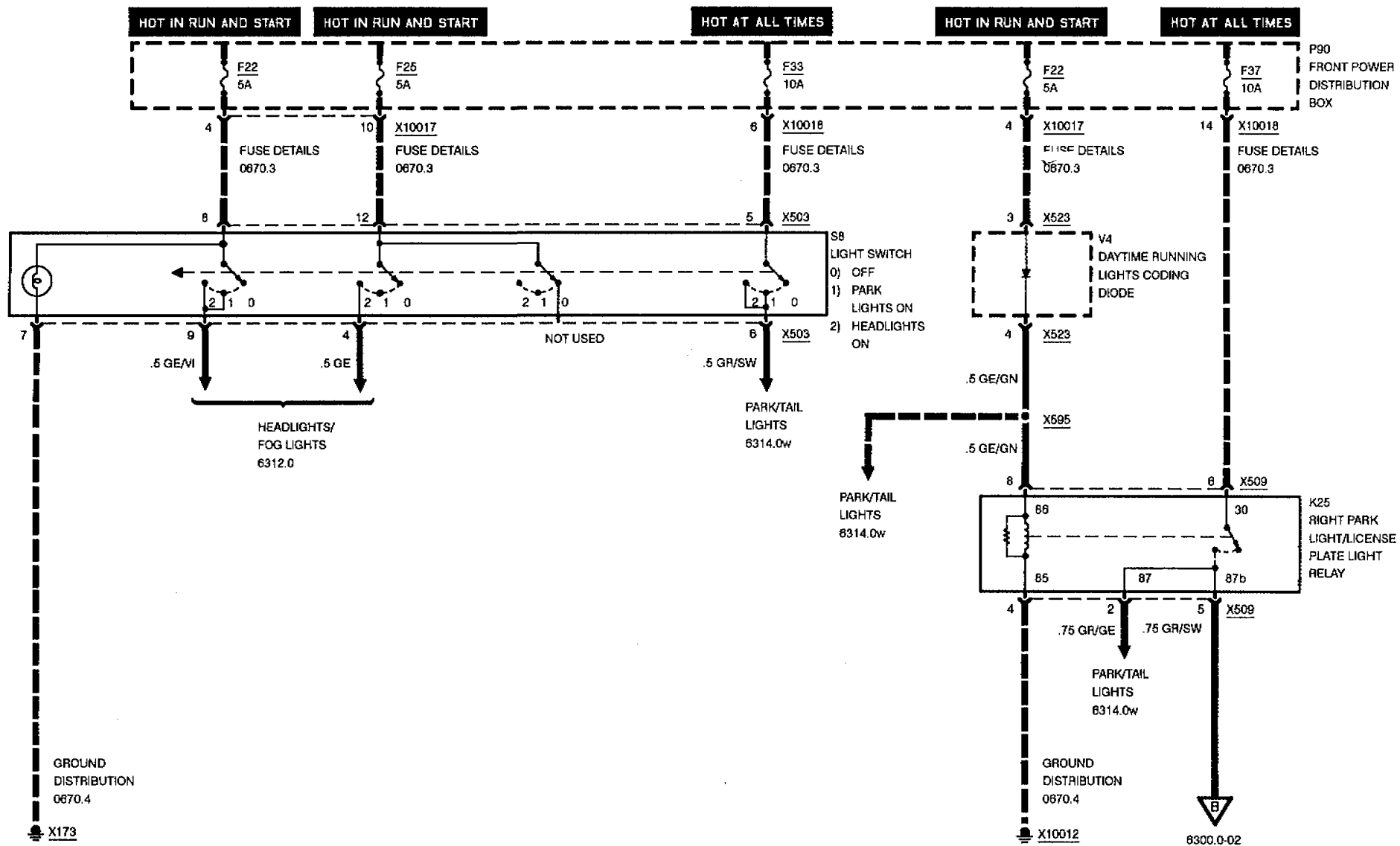
MULTI-FUNCTION CLOCK

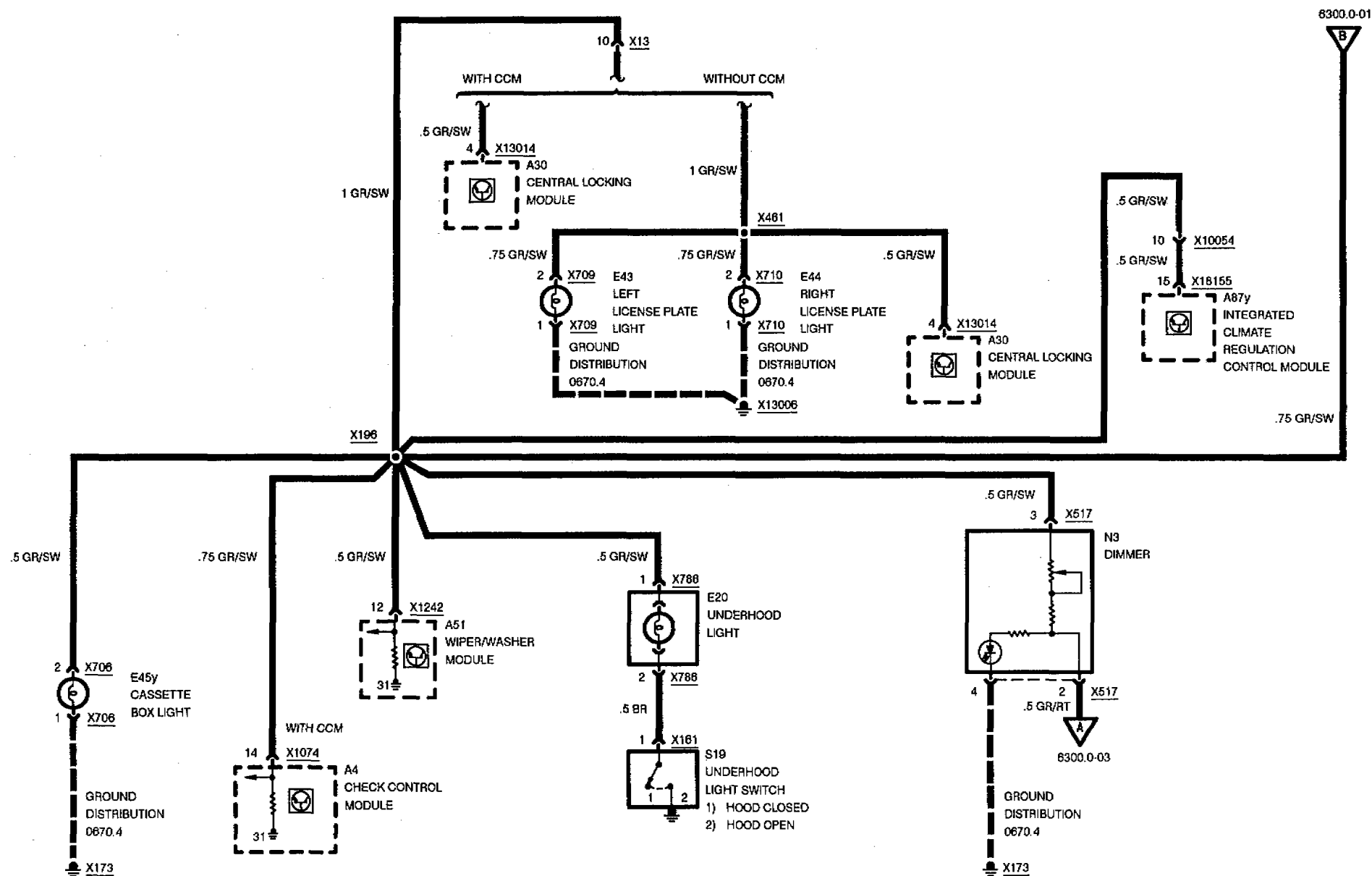


MULTI-FUNCTION CLOCK CHIME, BRAKE LIGHT SWITCH

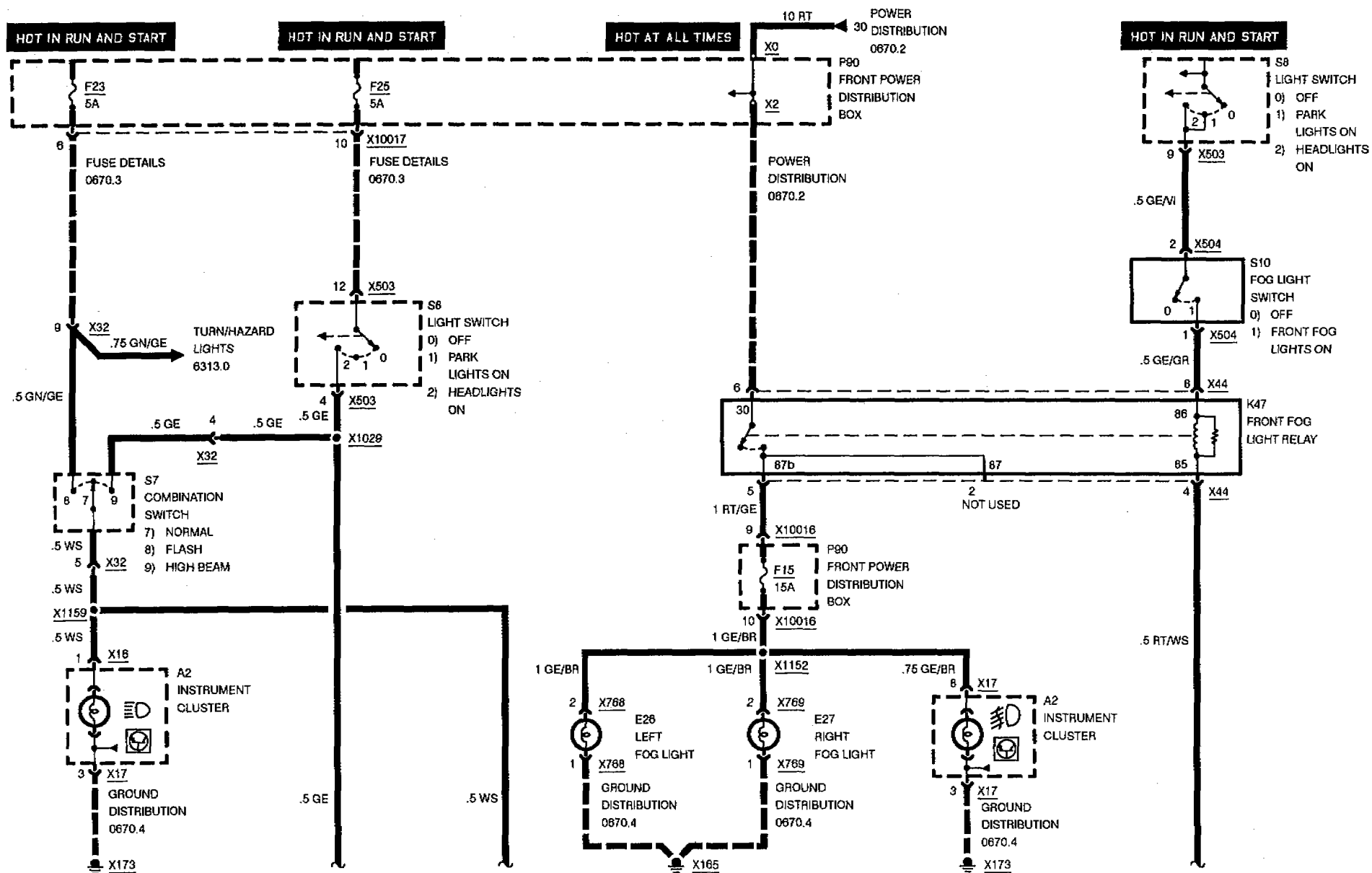


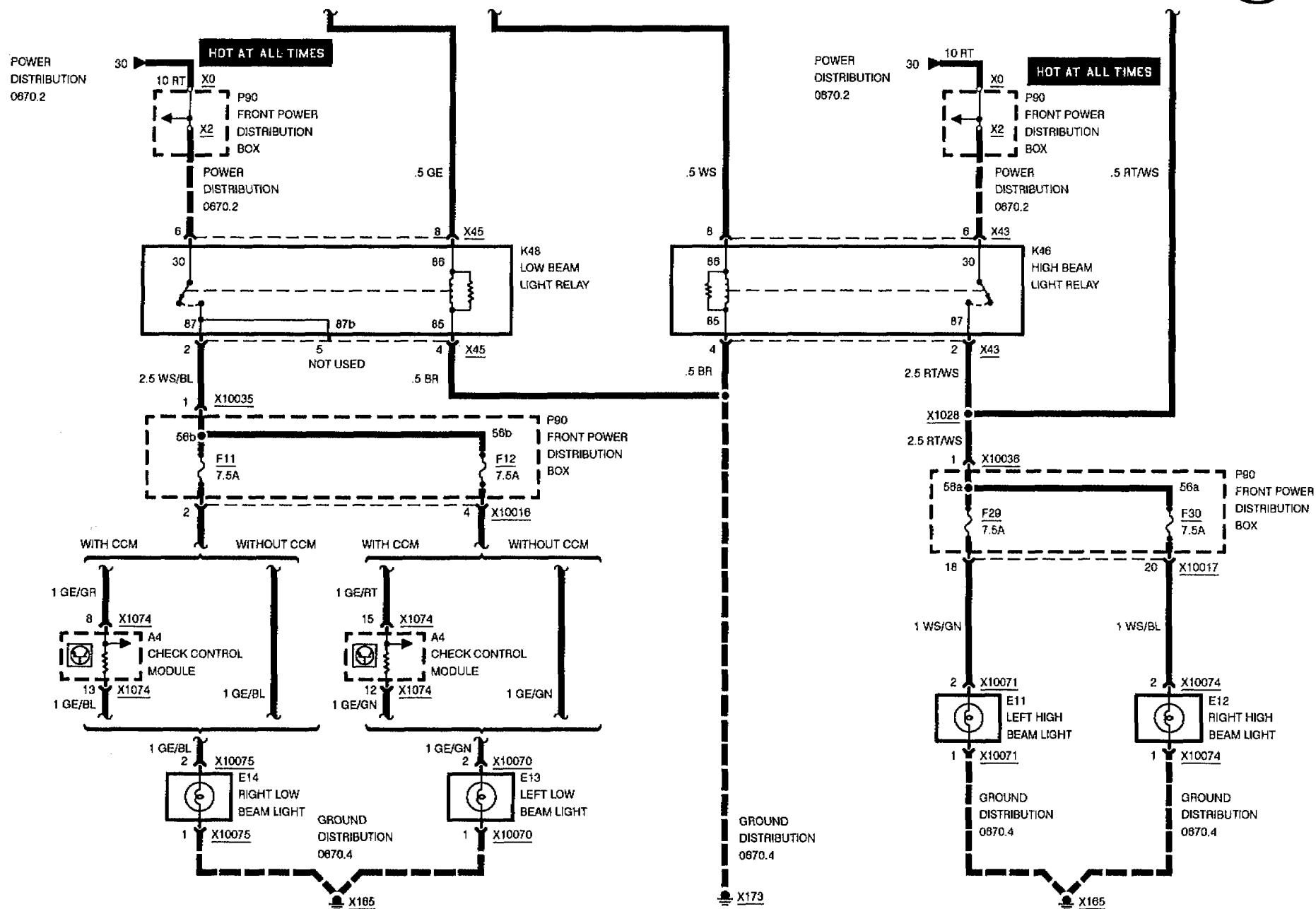


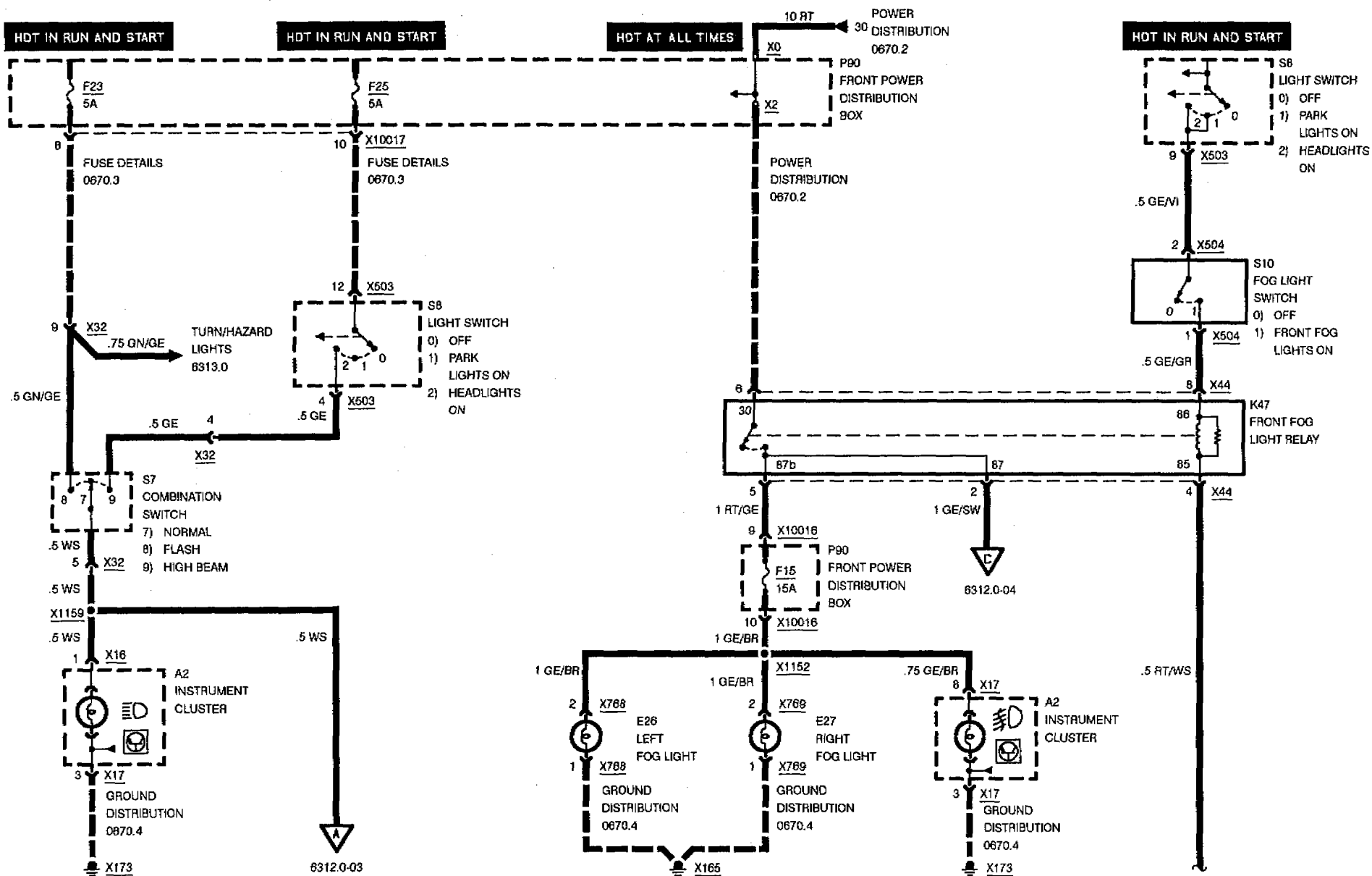


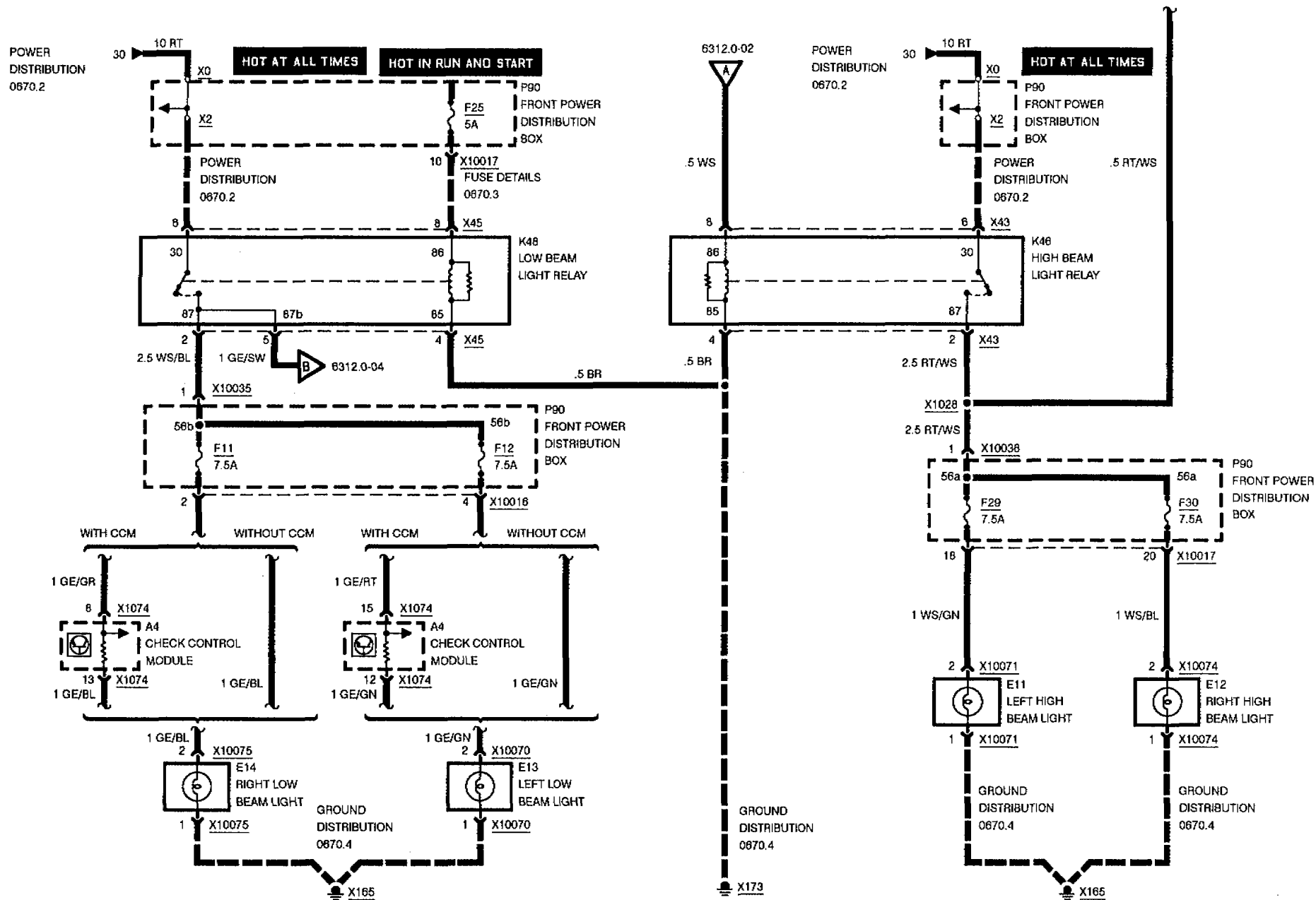


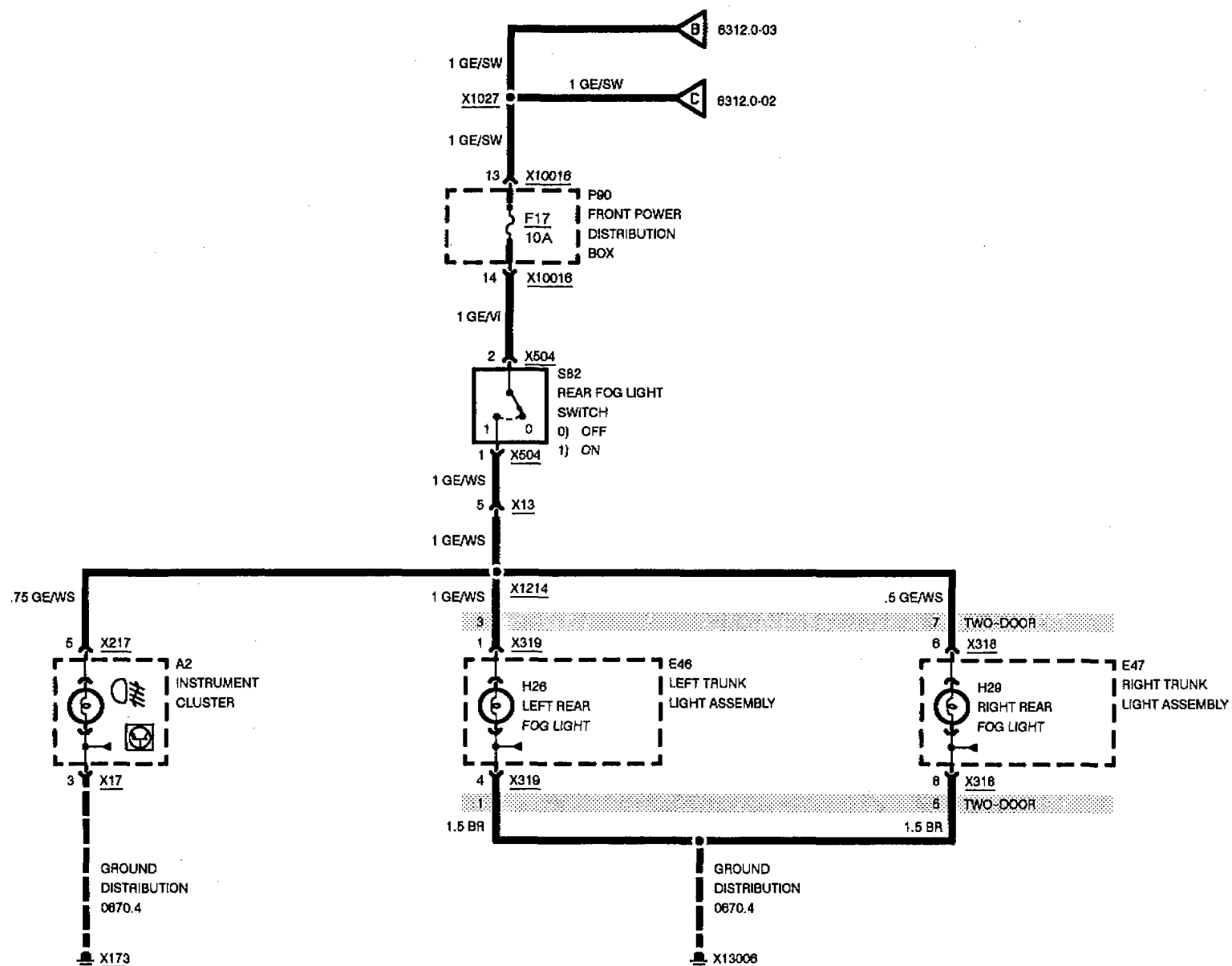






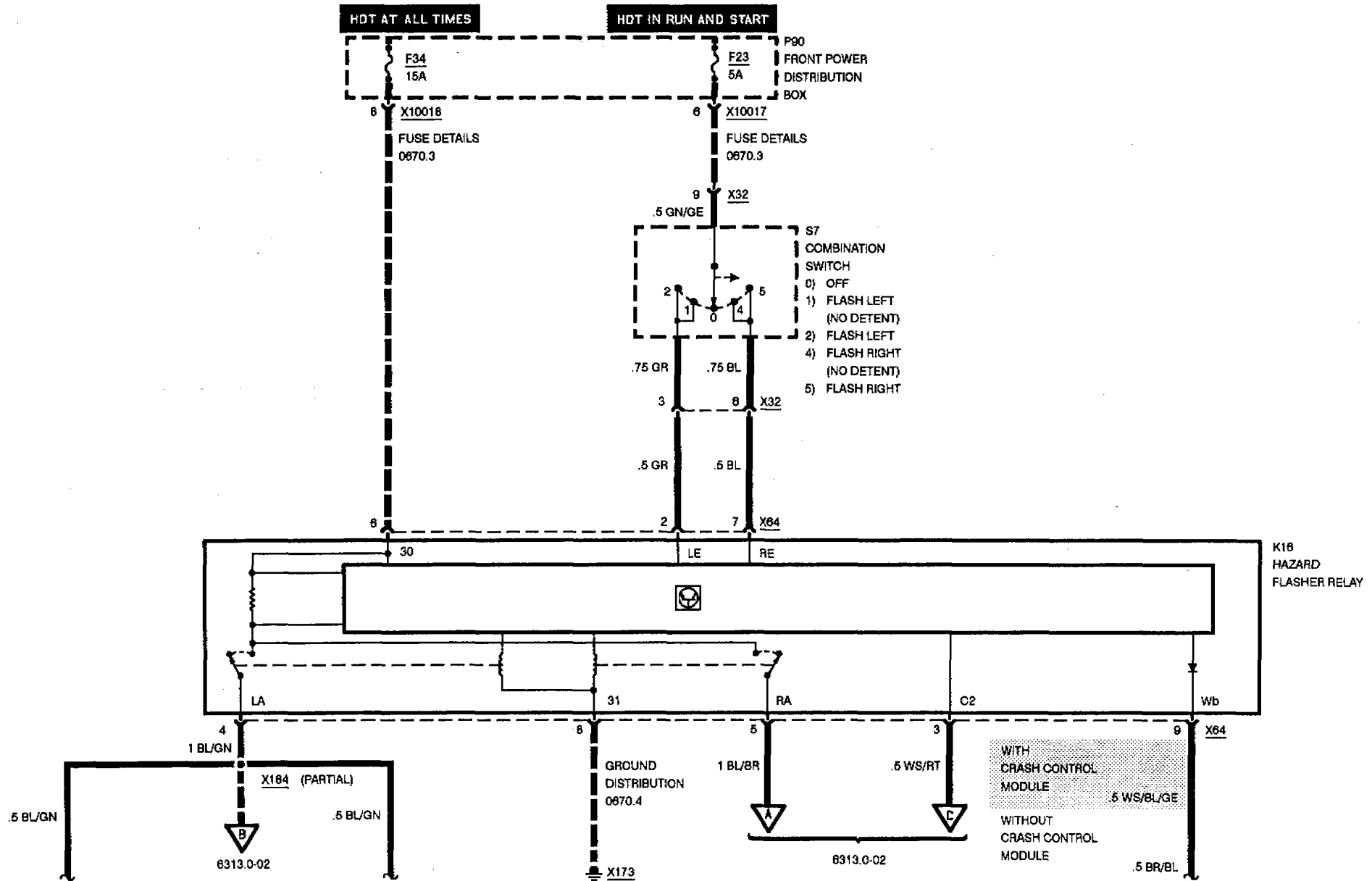


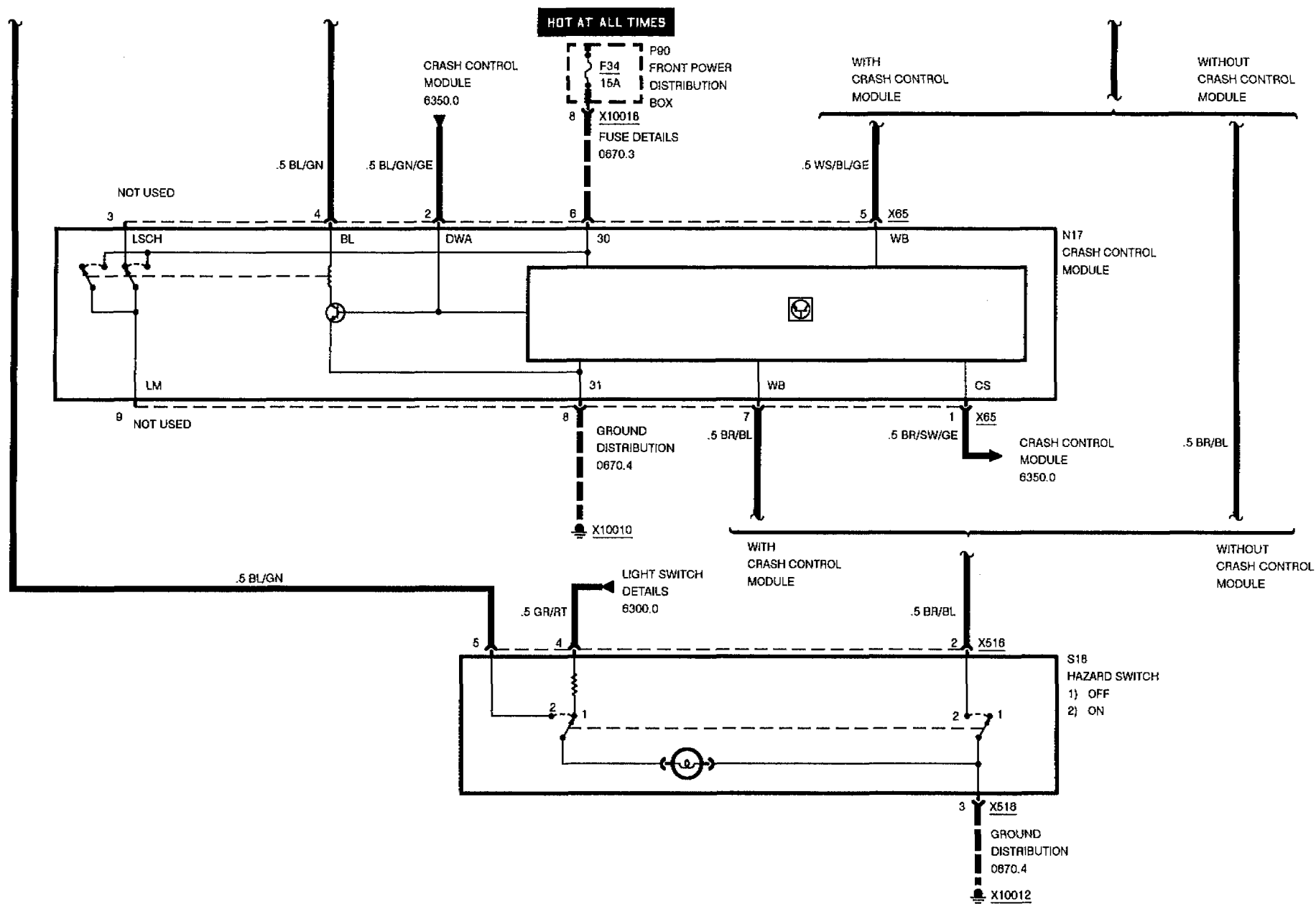


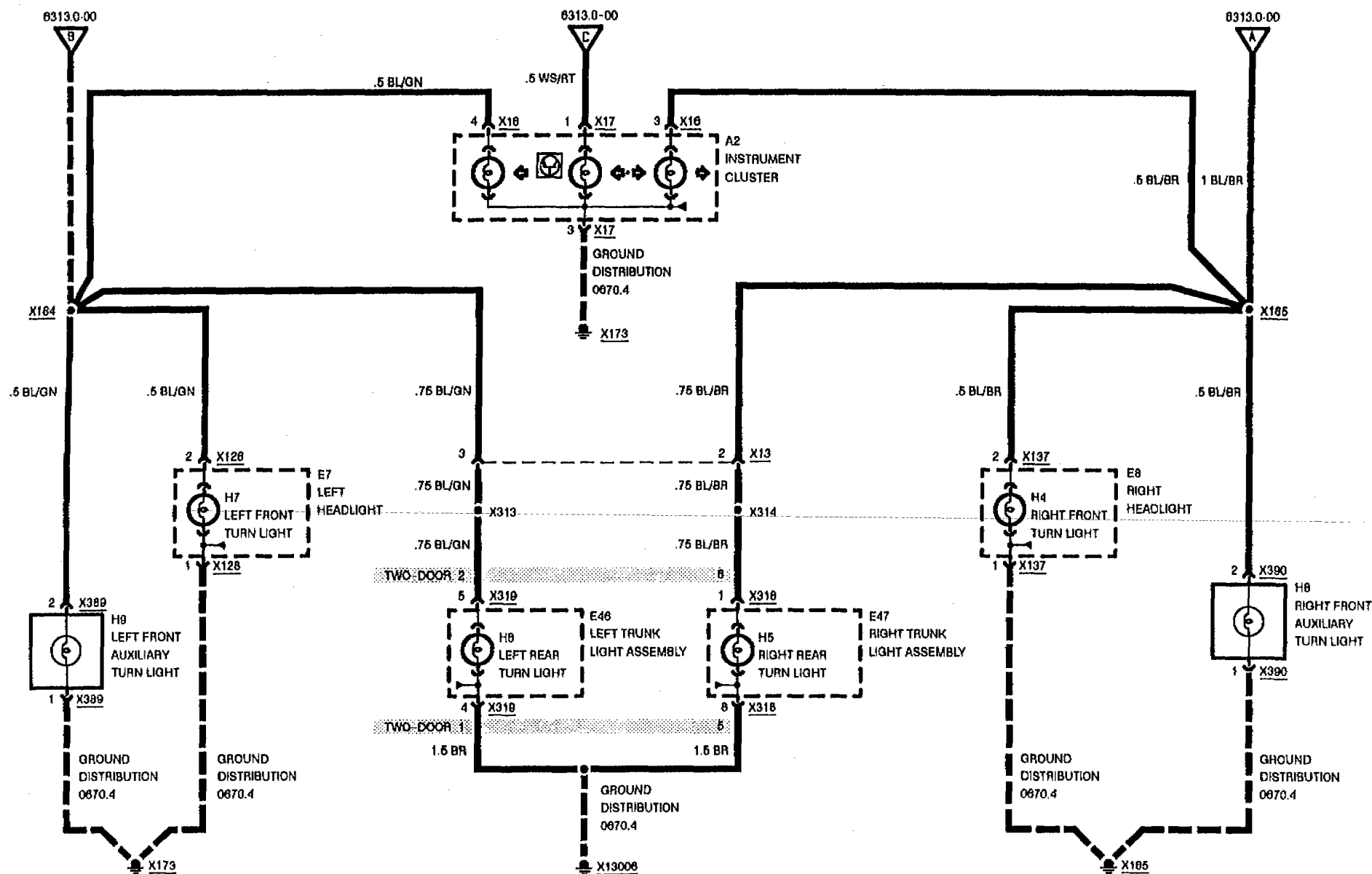




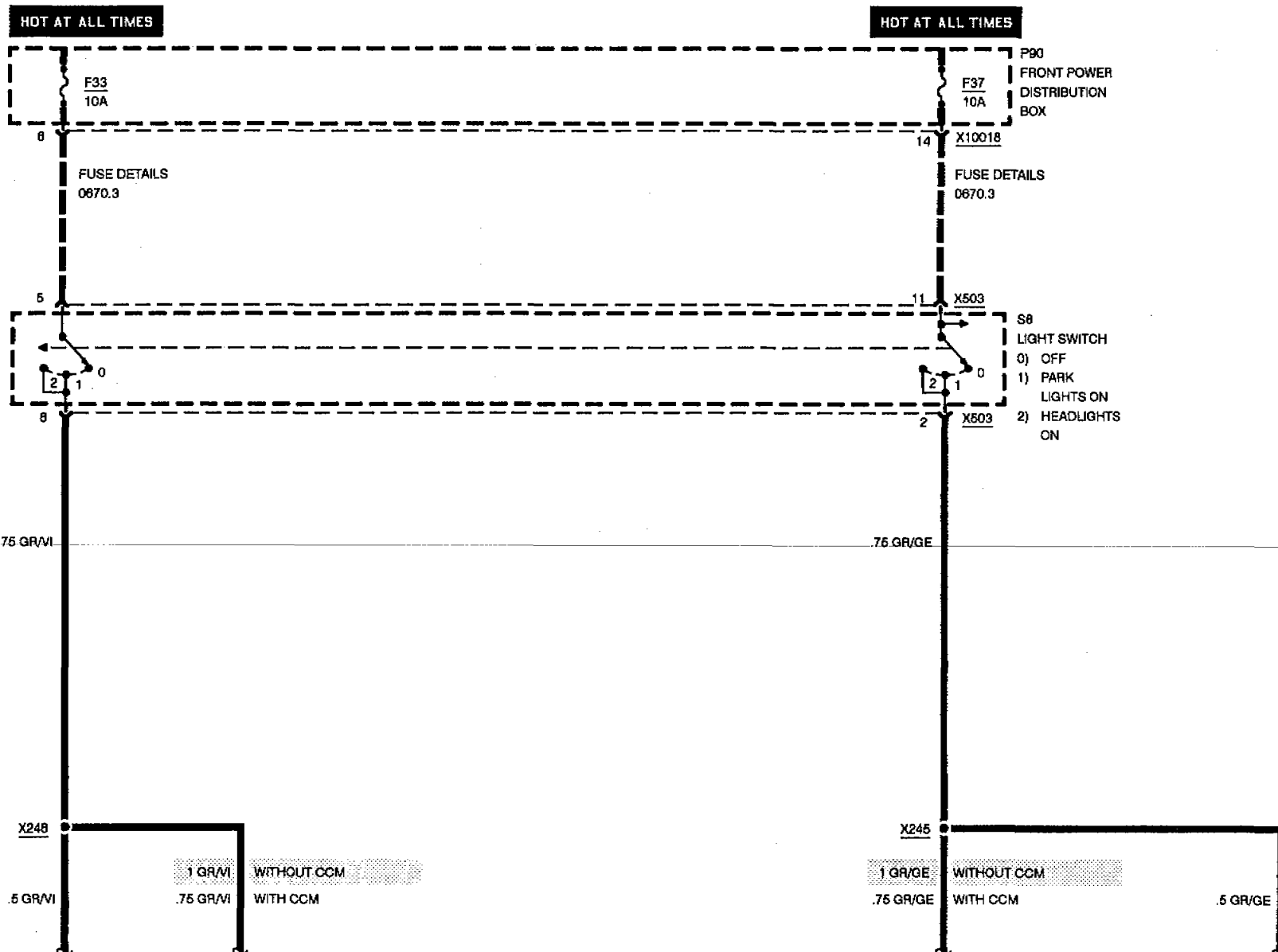
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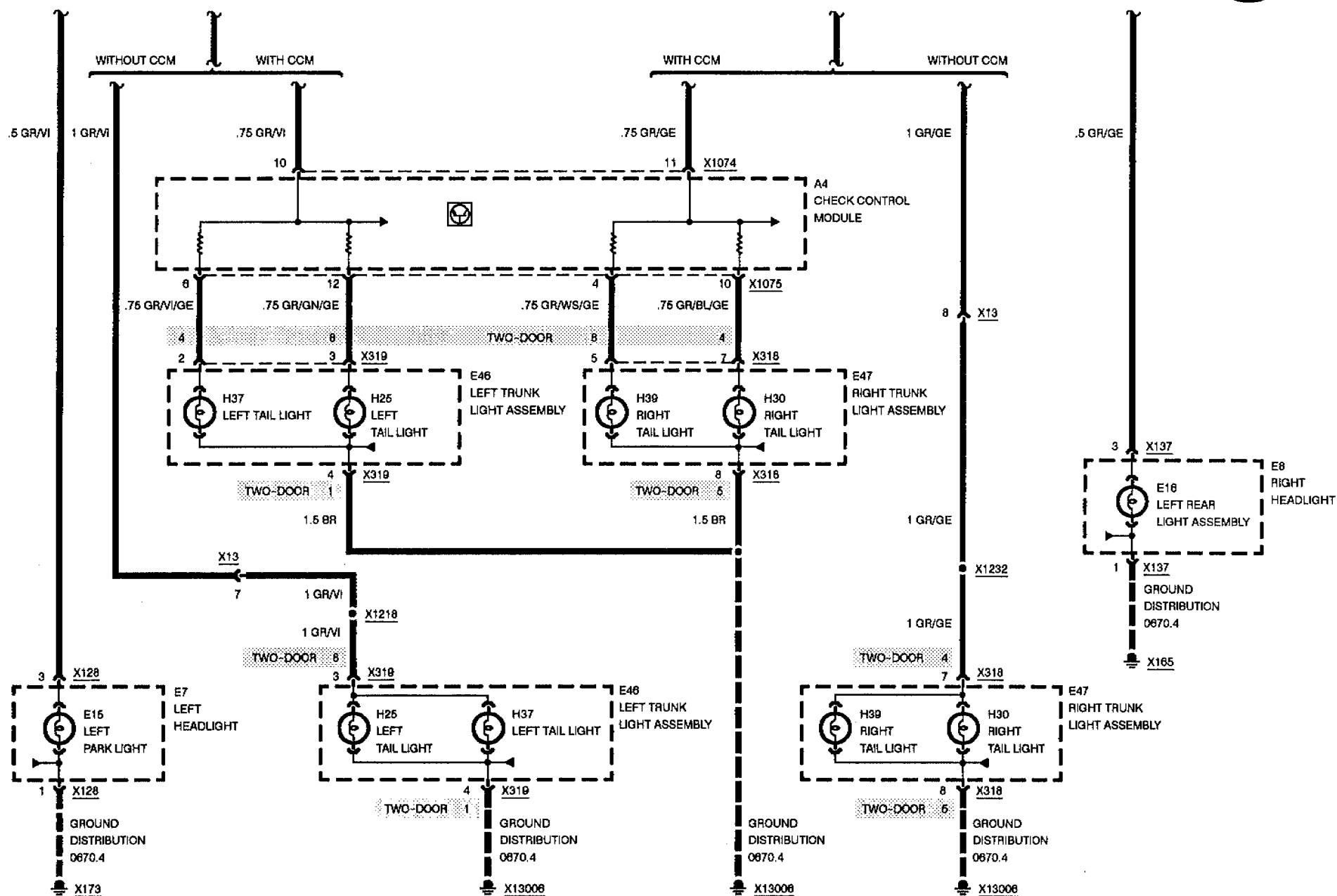


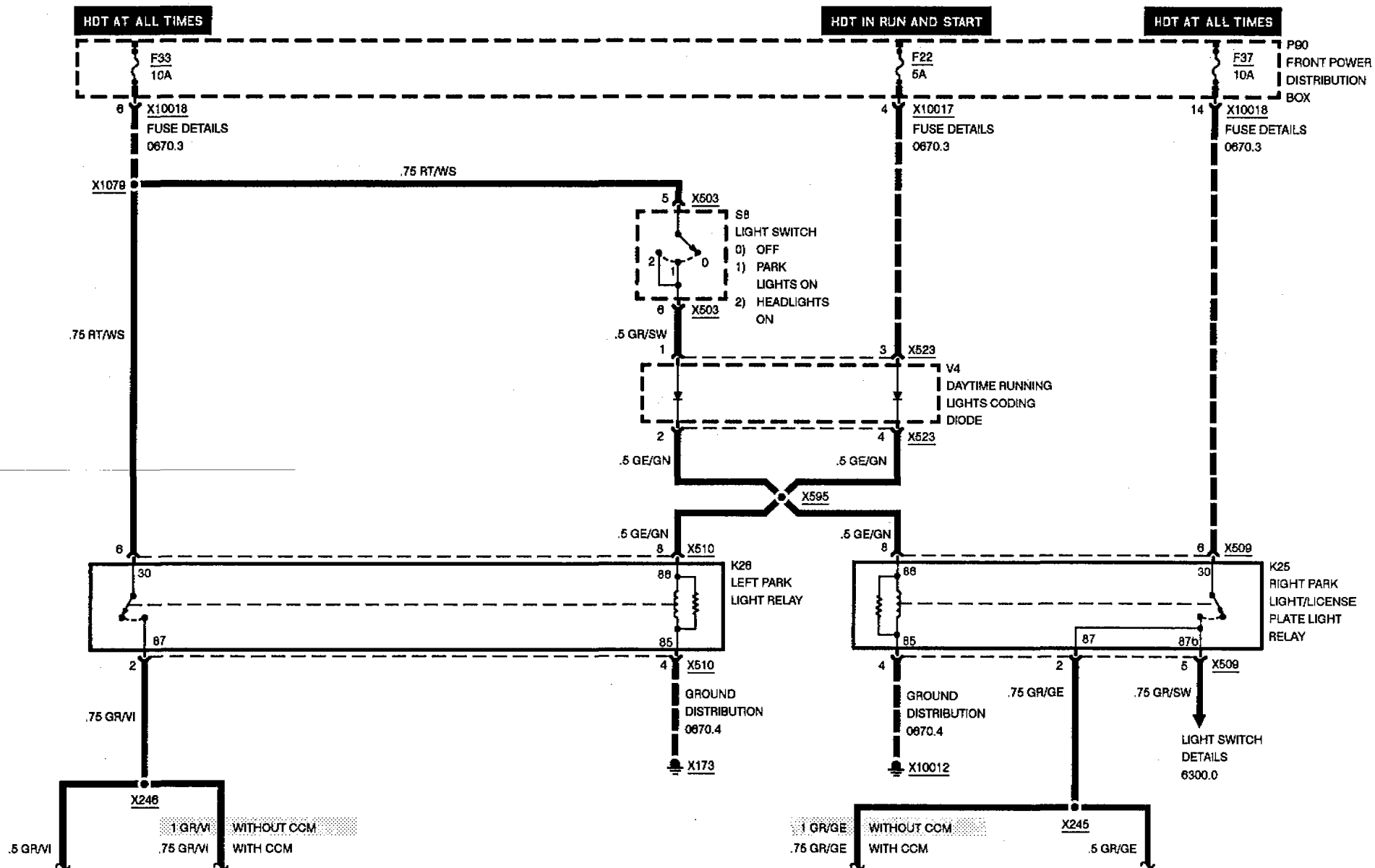


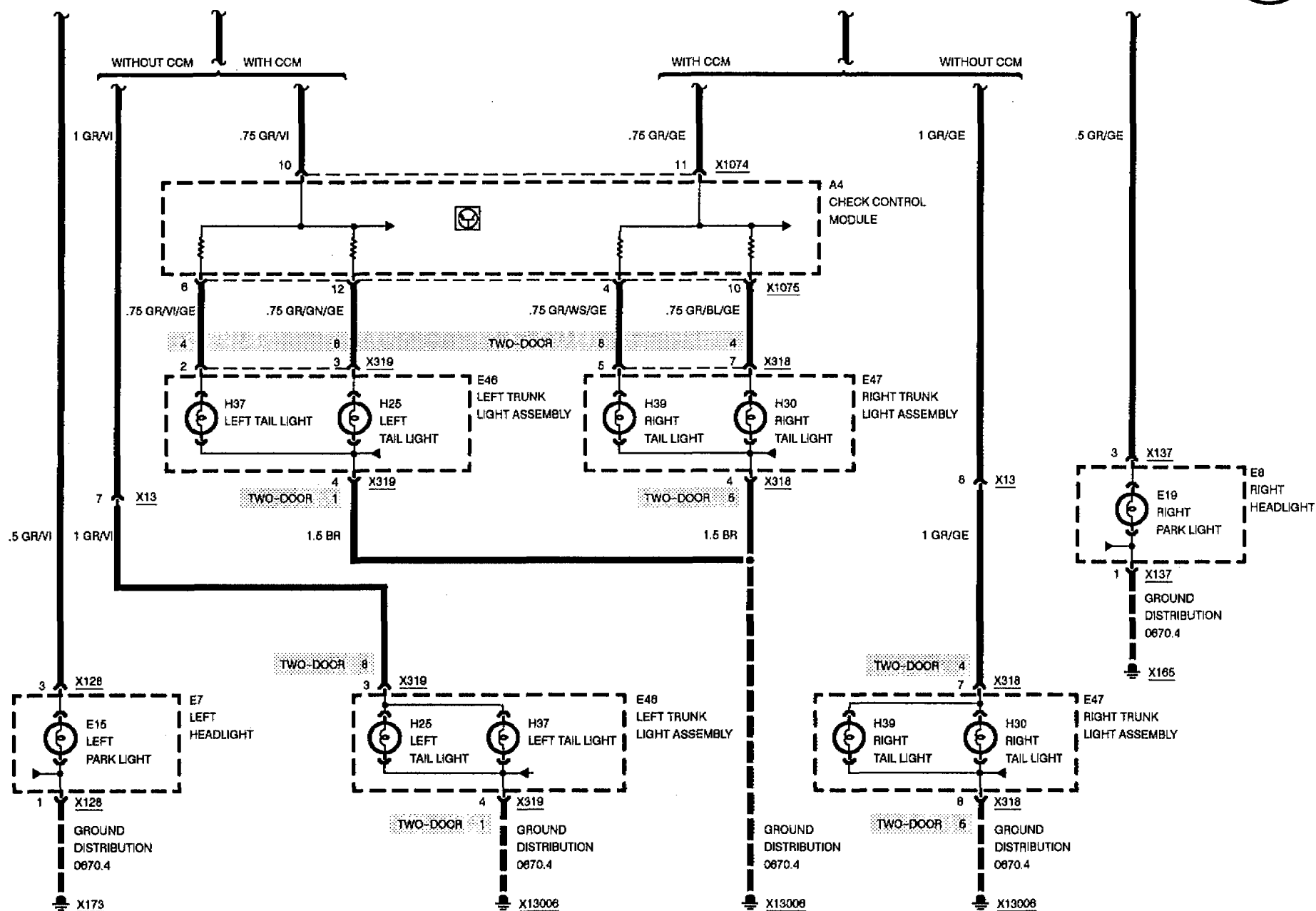




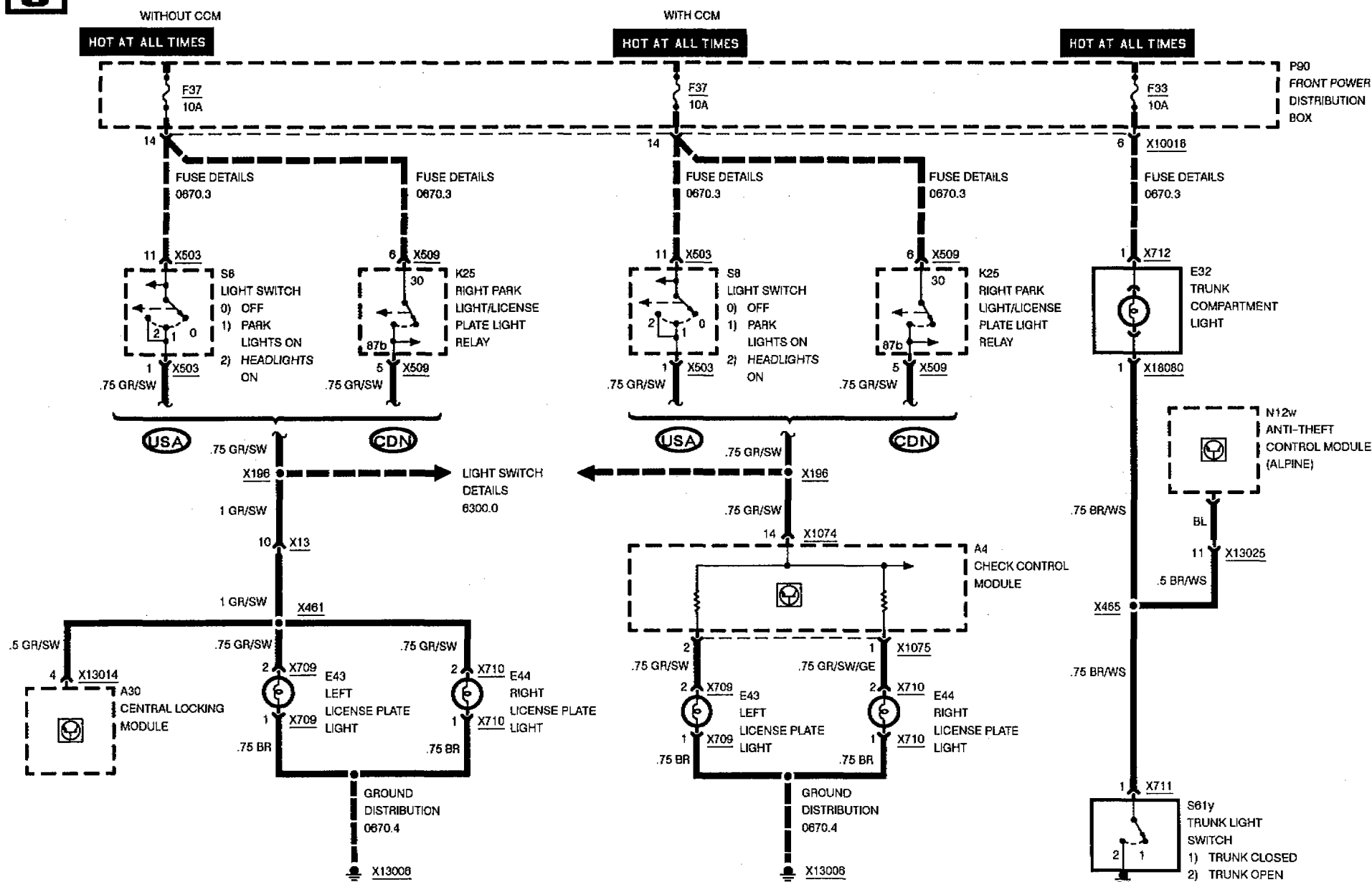




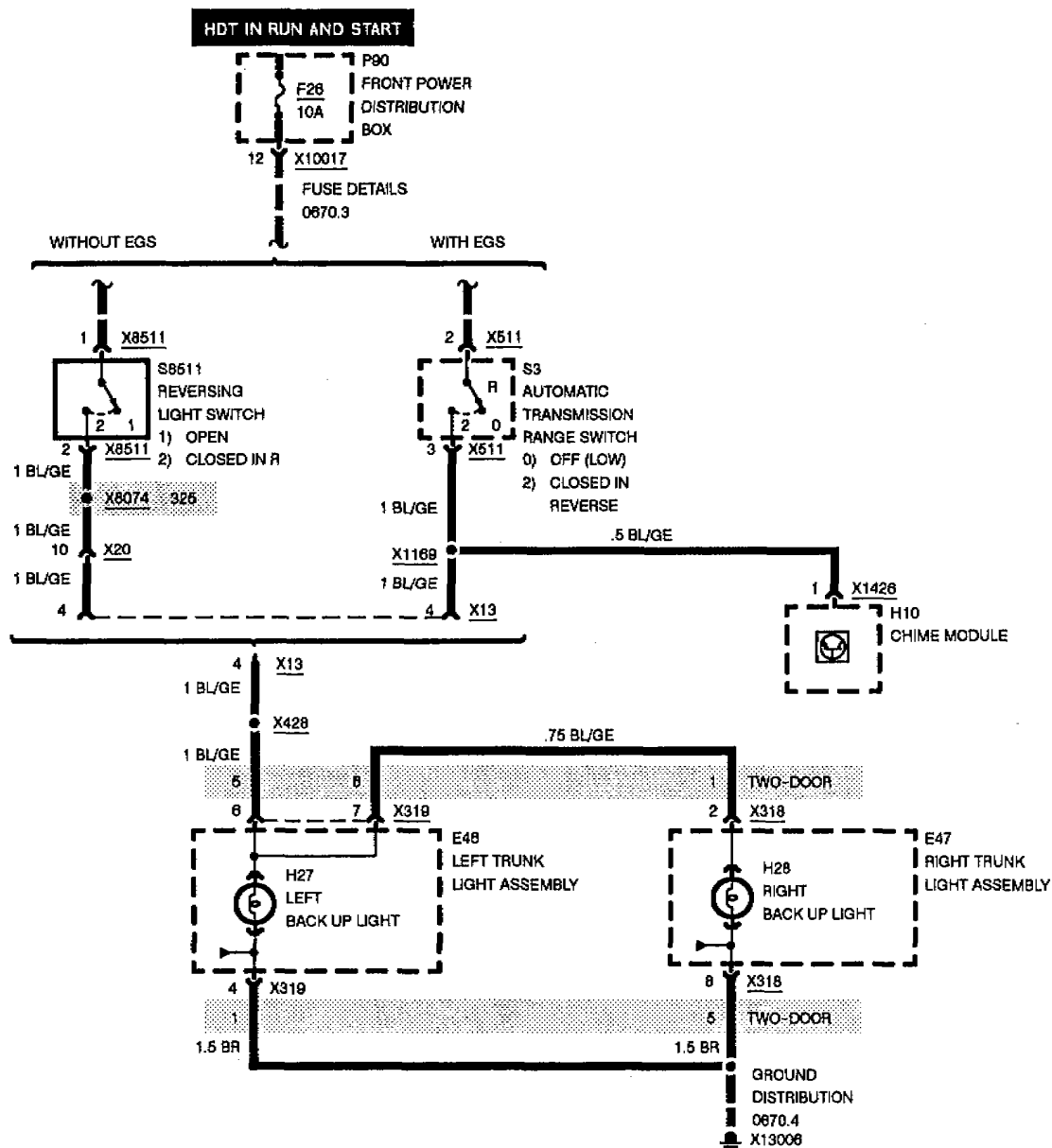




LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS

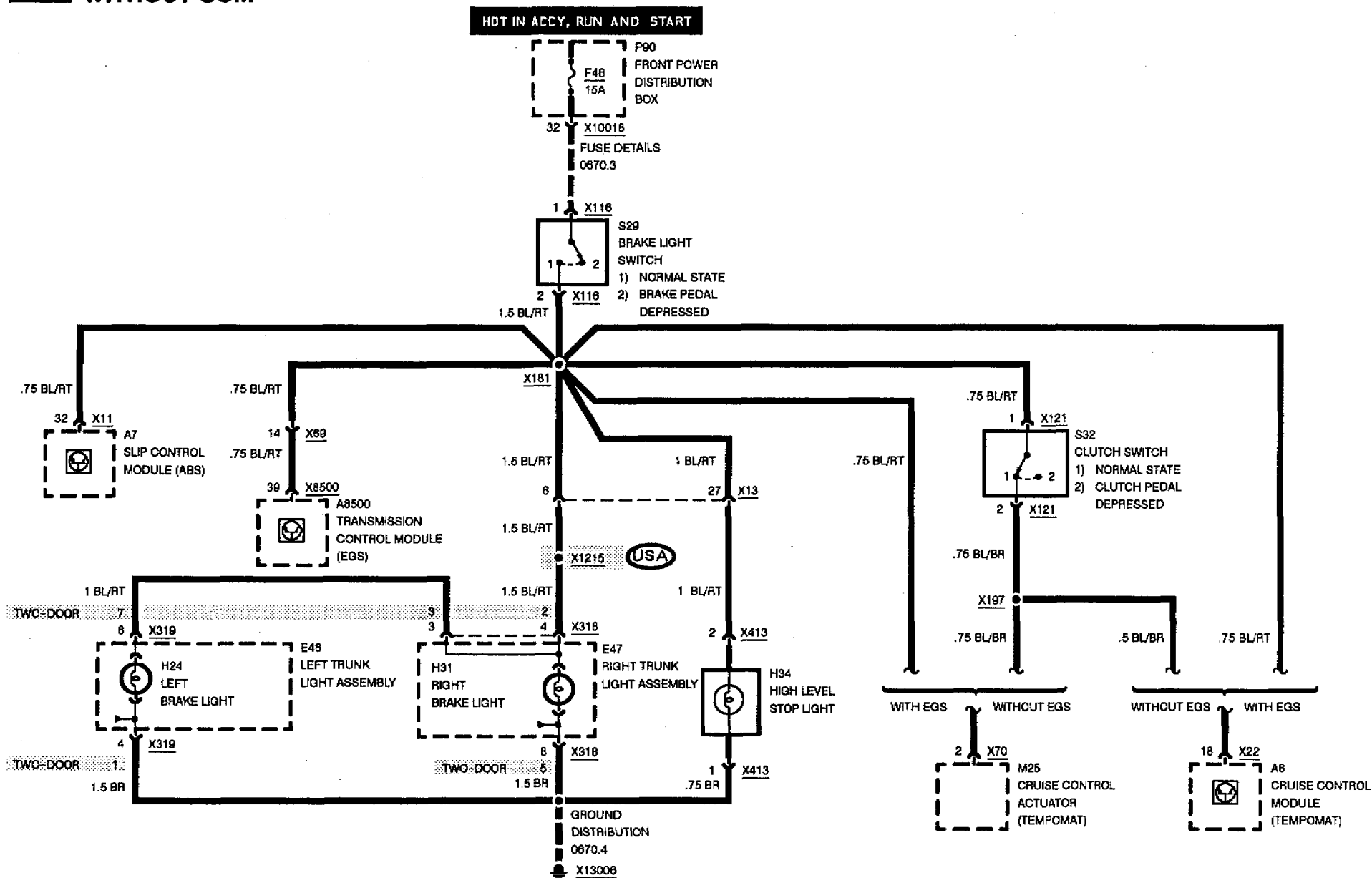


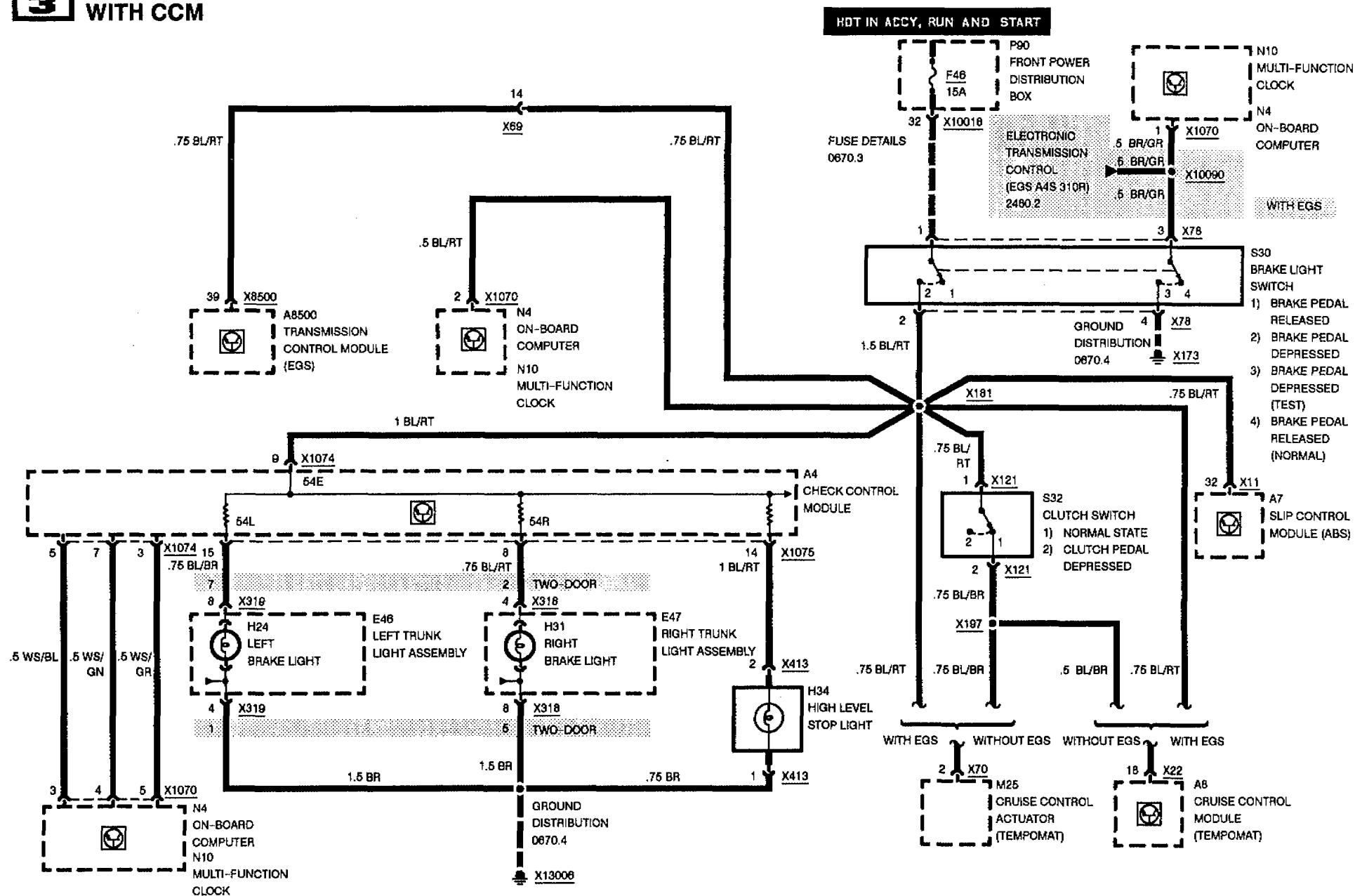


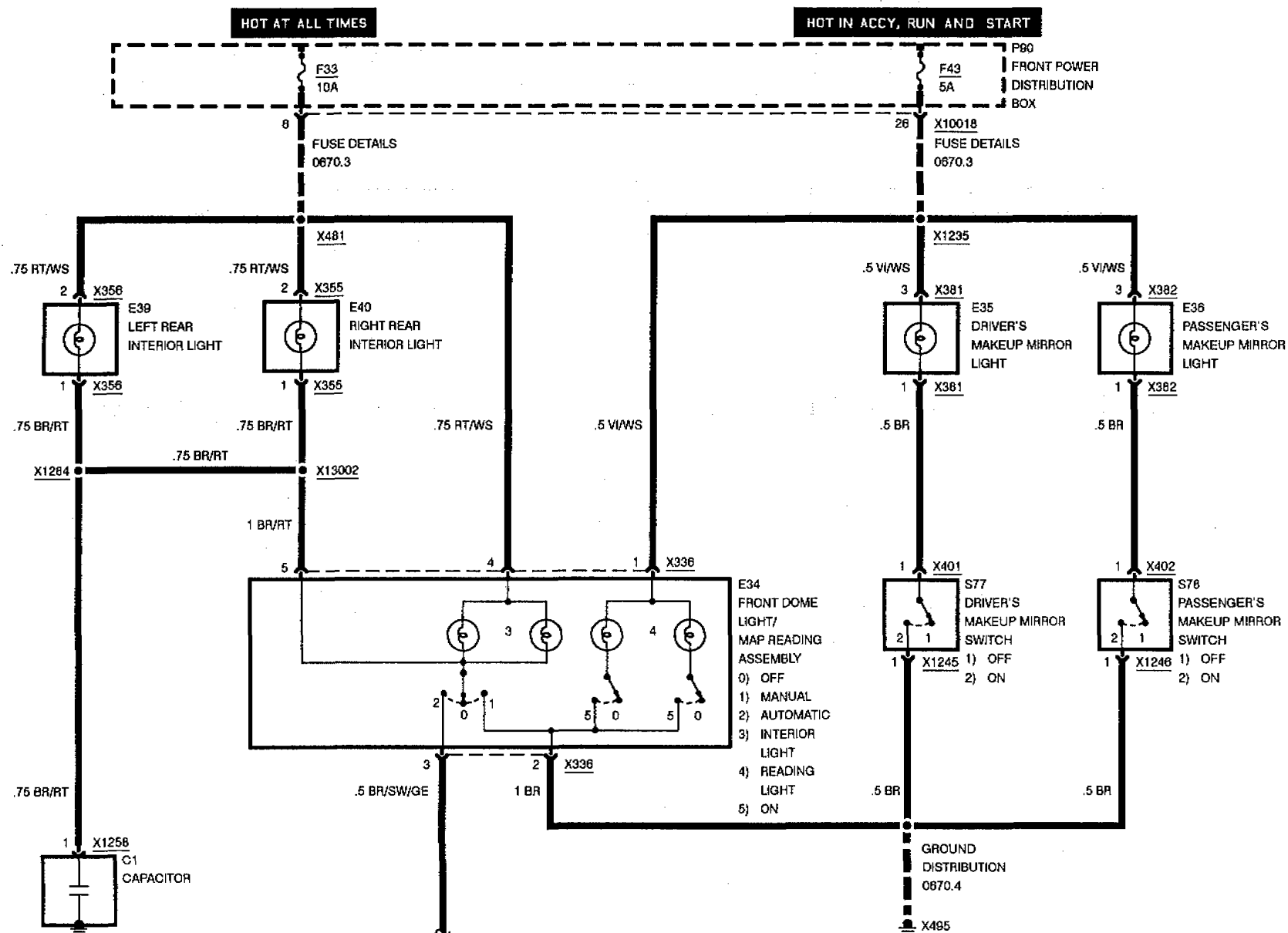


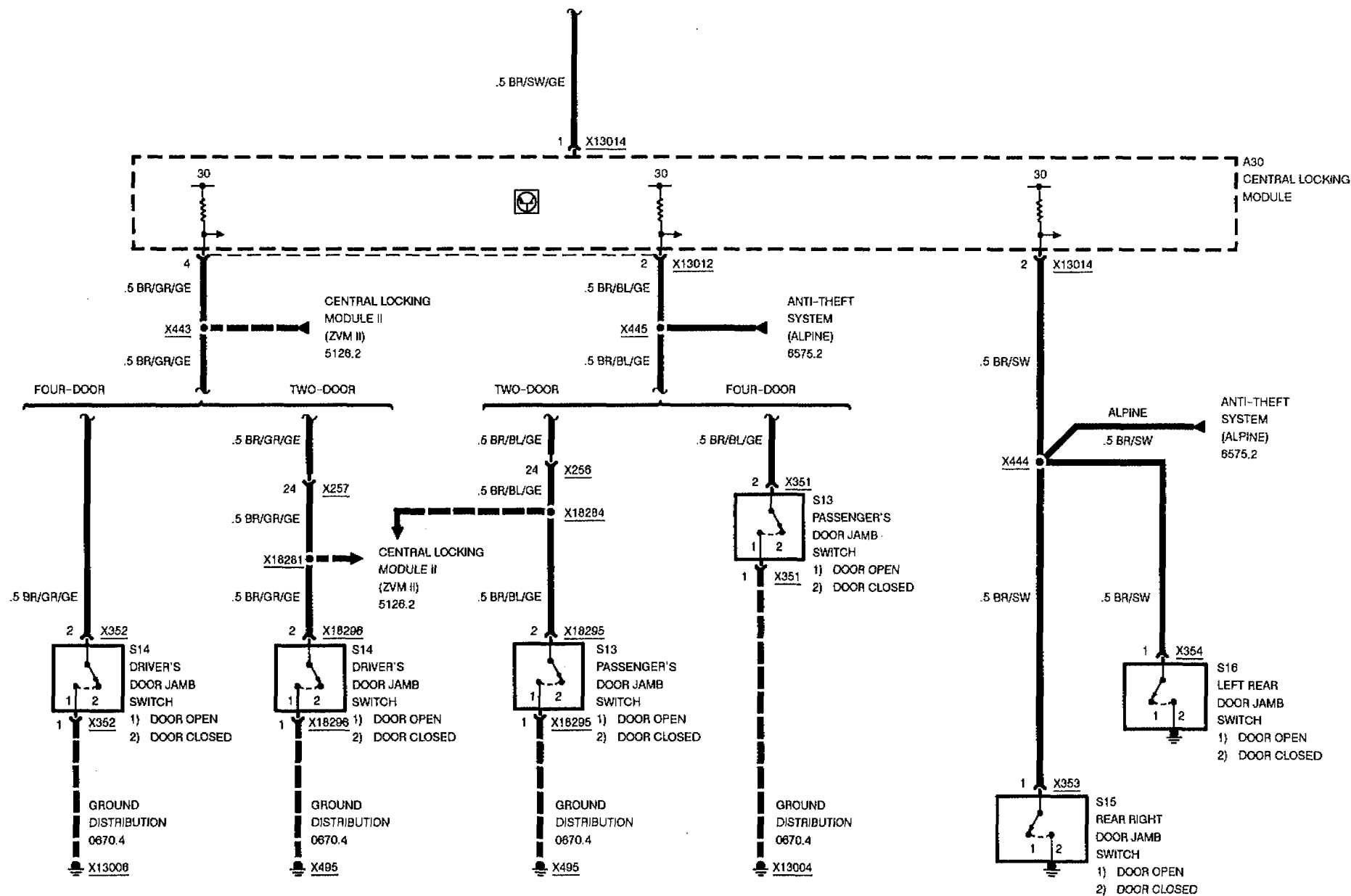


BRAKE LIGHTS WITHOUT CCM

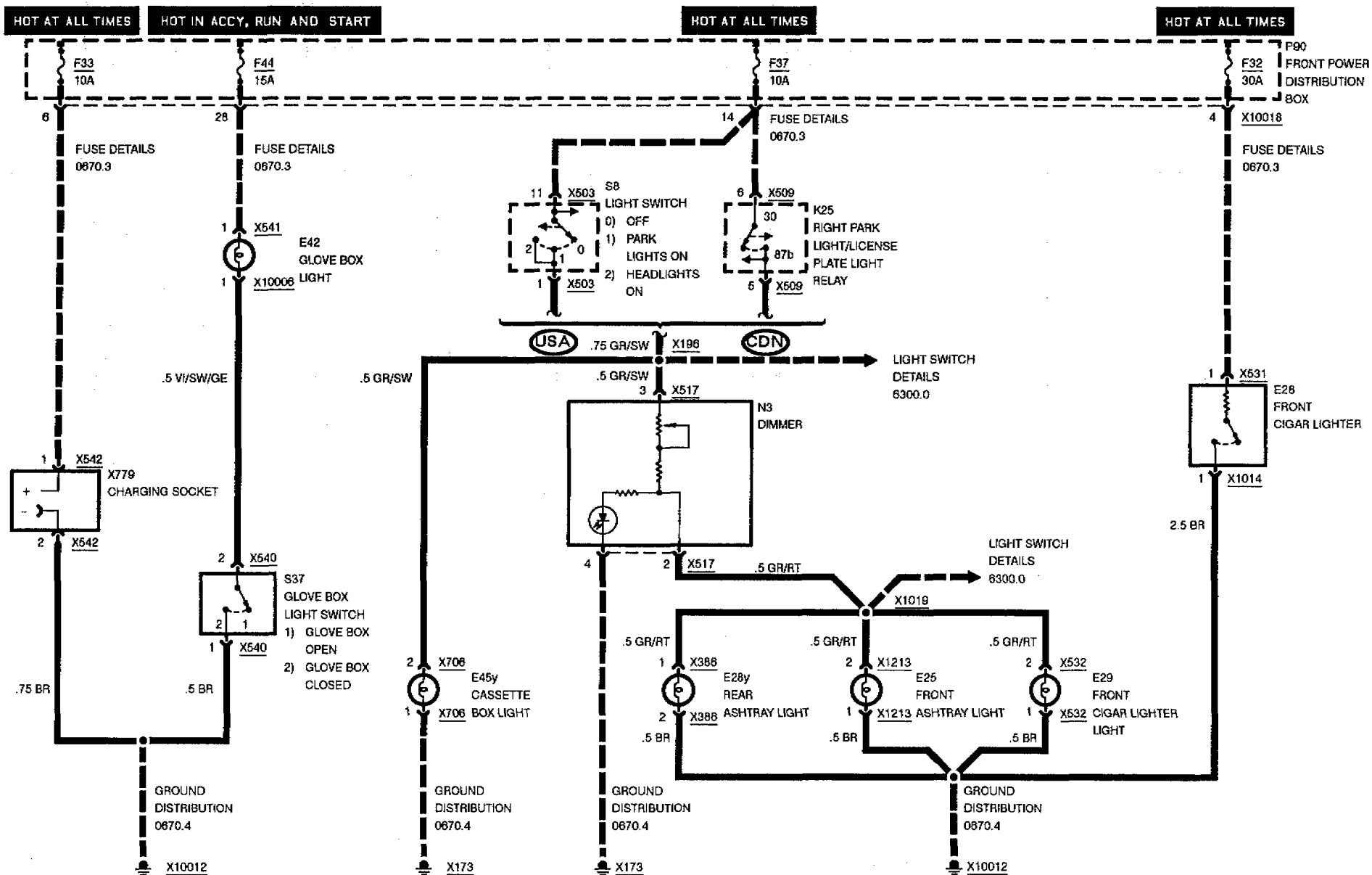






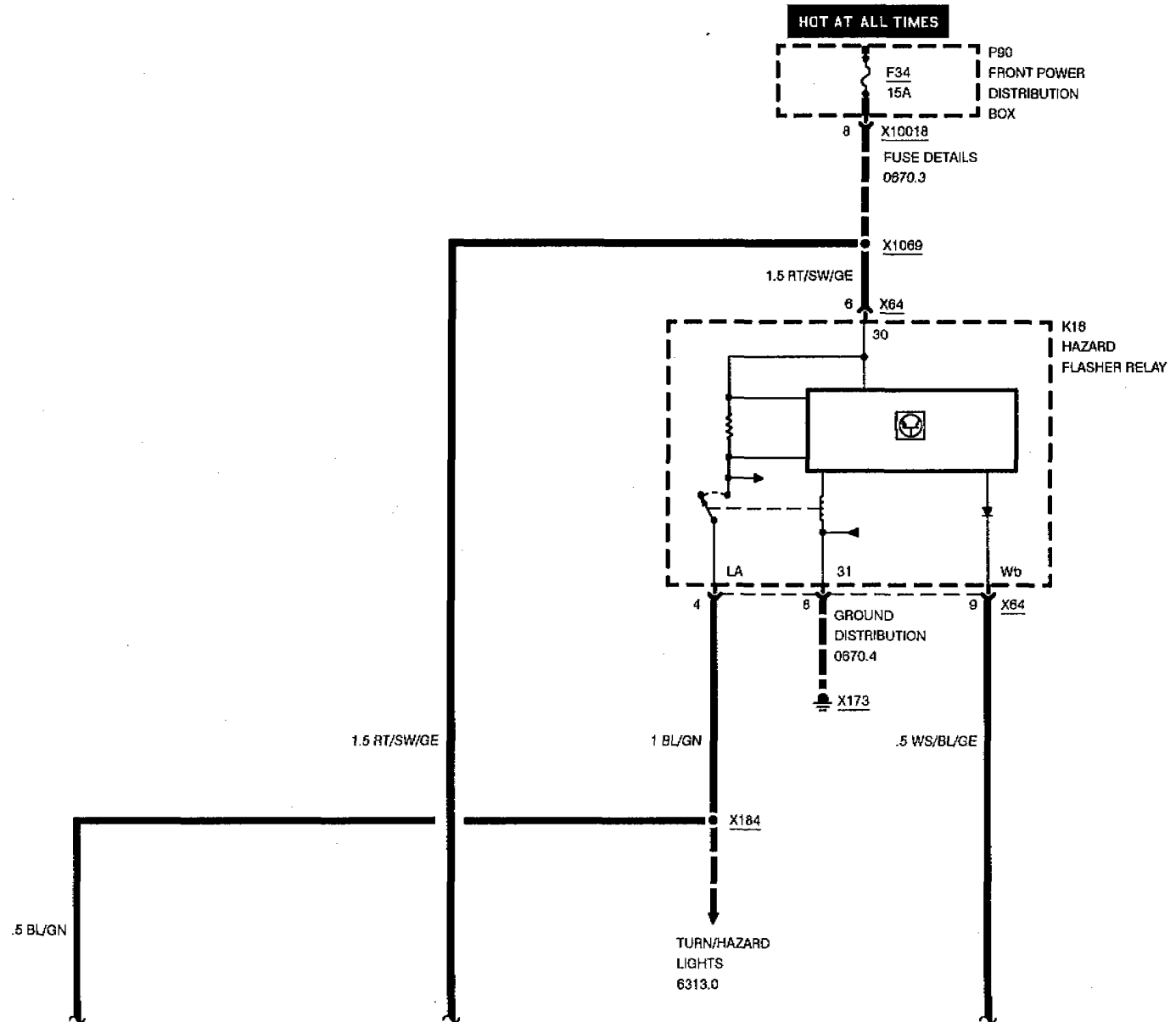


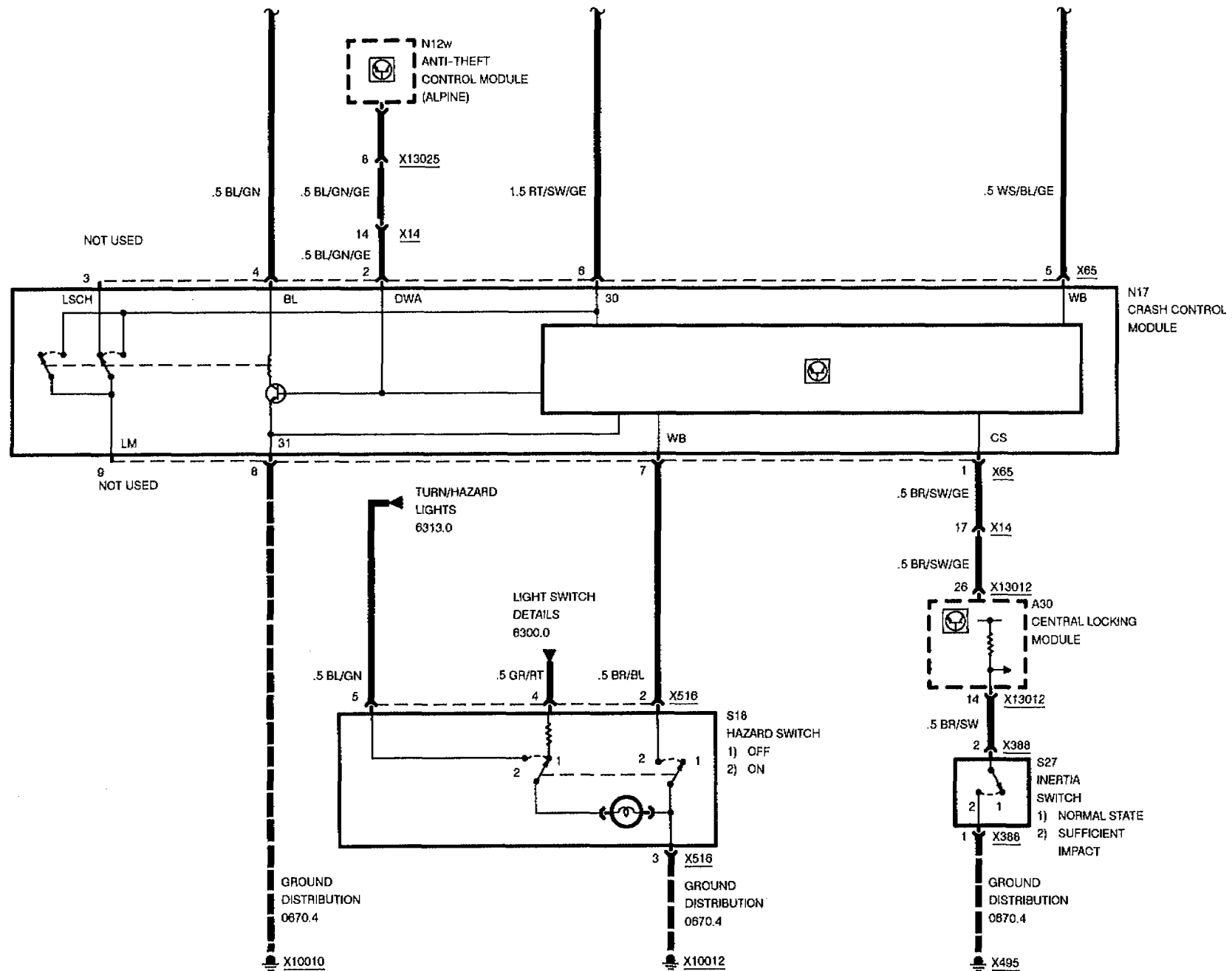
GLOVE BOX LIGHT/CASSETTE BOX/ASHTRAY LIGHT/CHARGING SOCKET/CIGAR LIGHTER

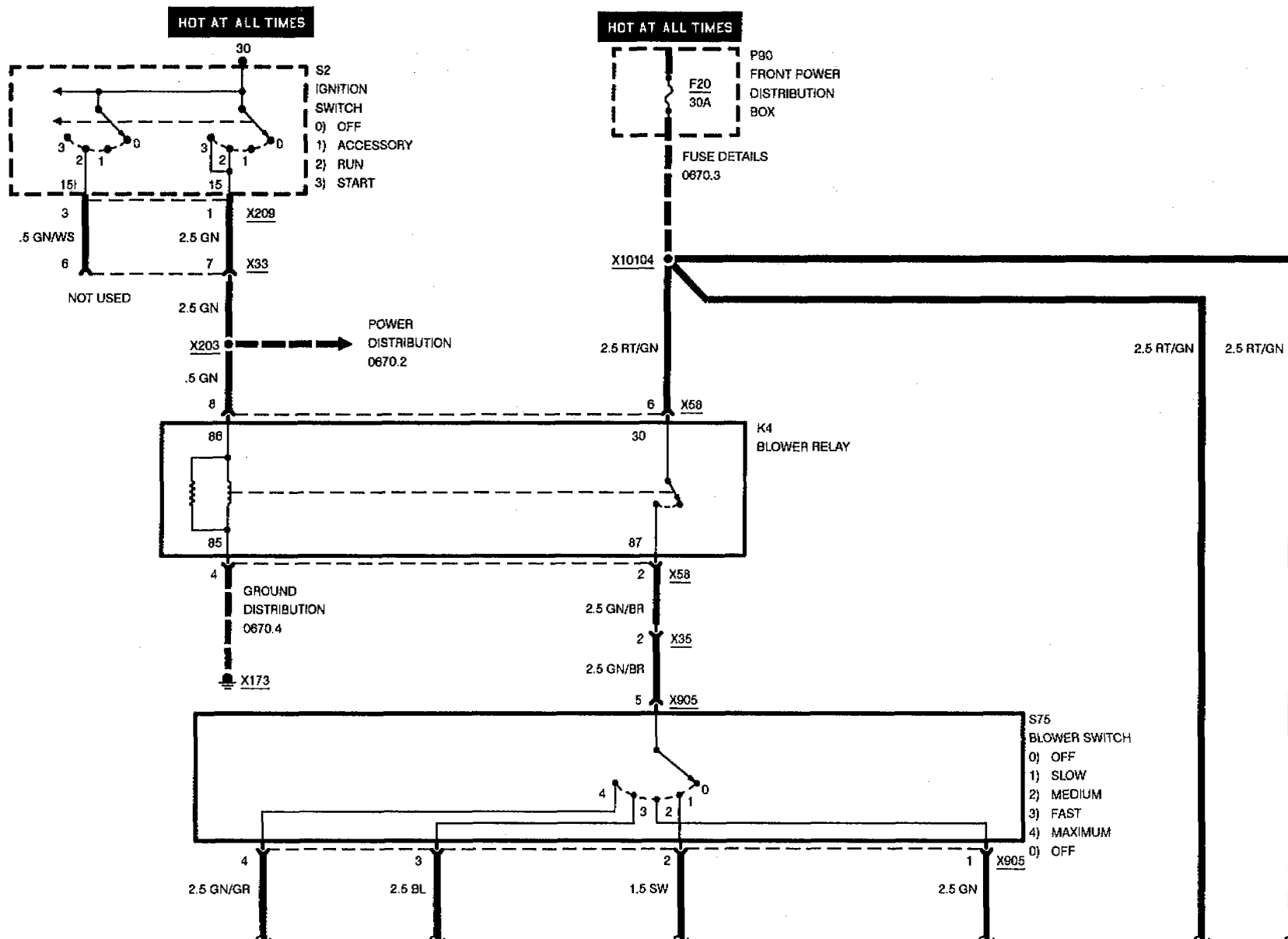


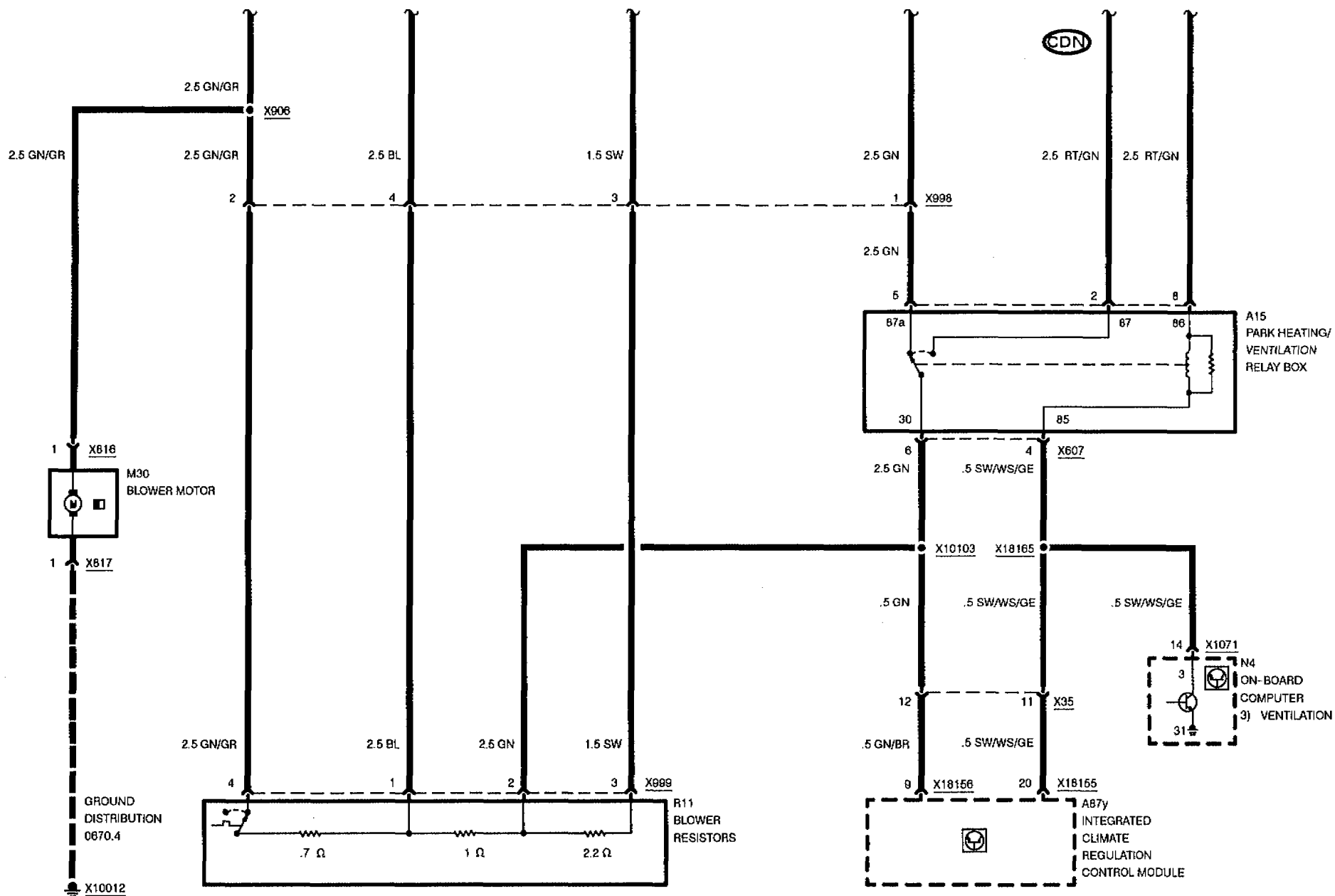


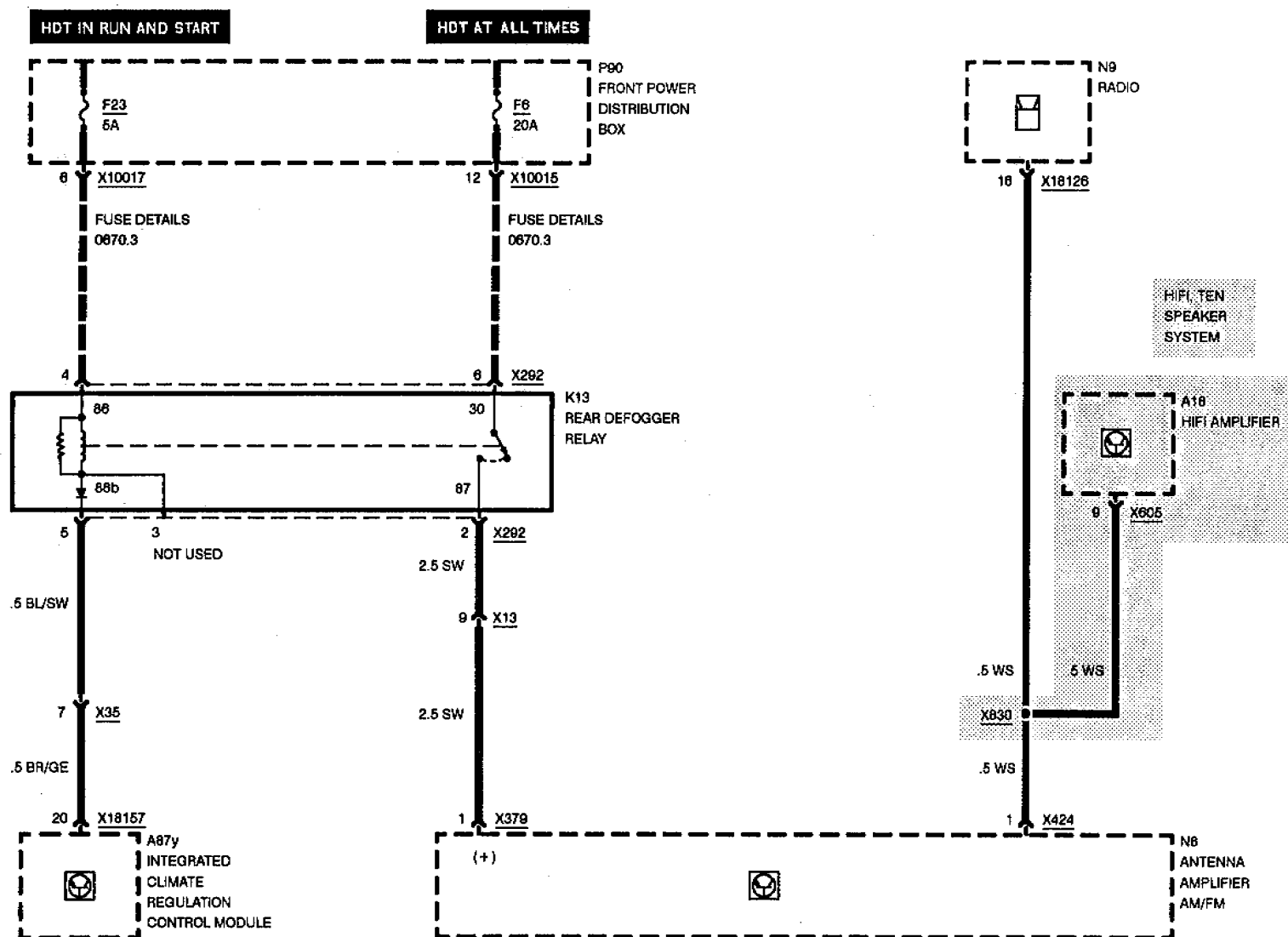
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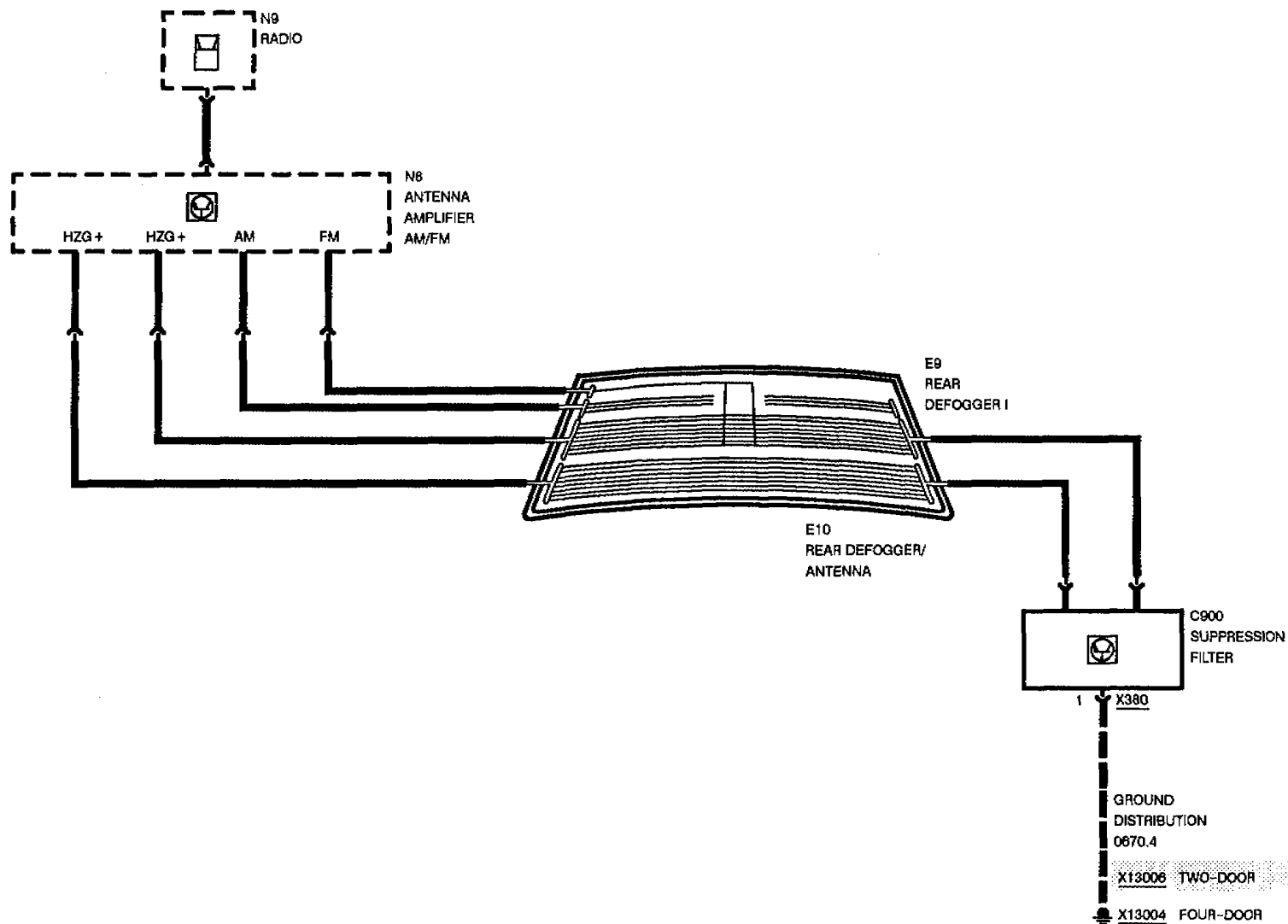






REAR WINDOW DEFOGGER

REAR WINDOW ANTENNA



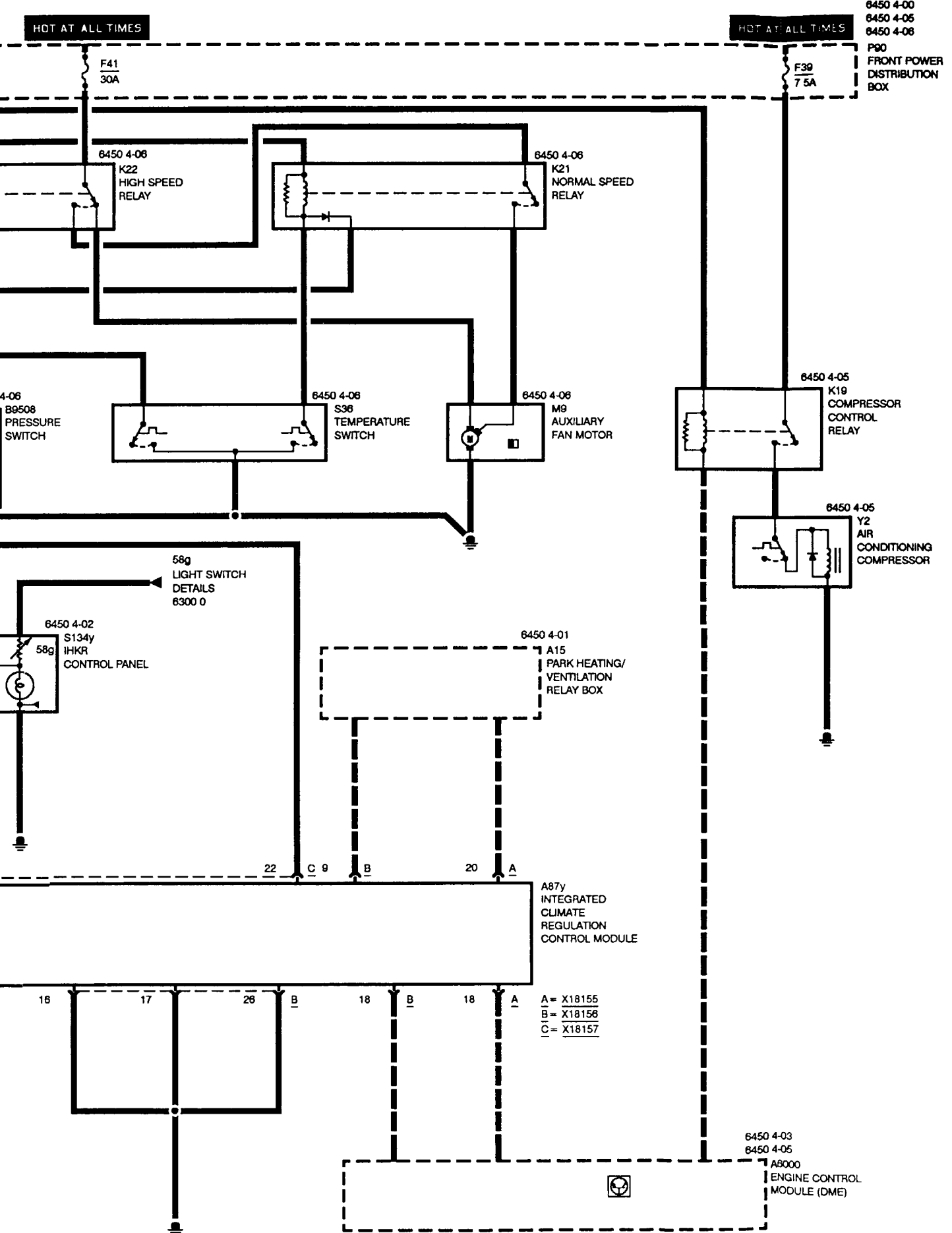
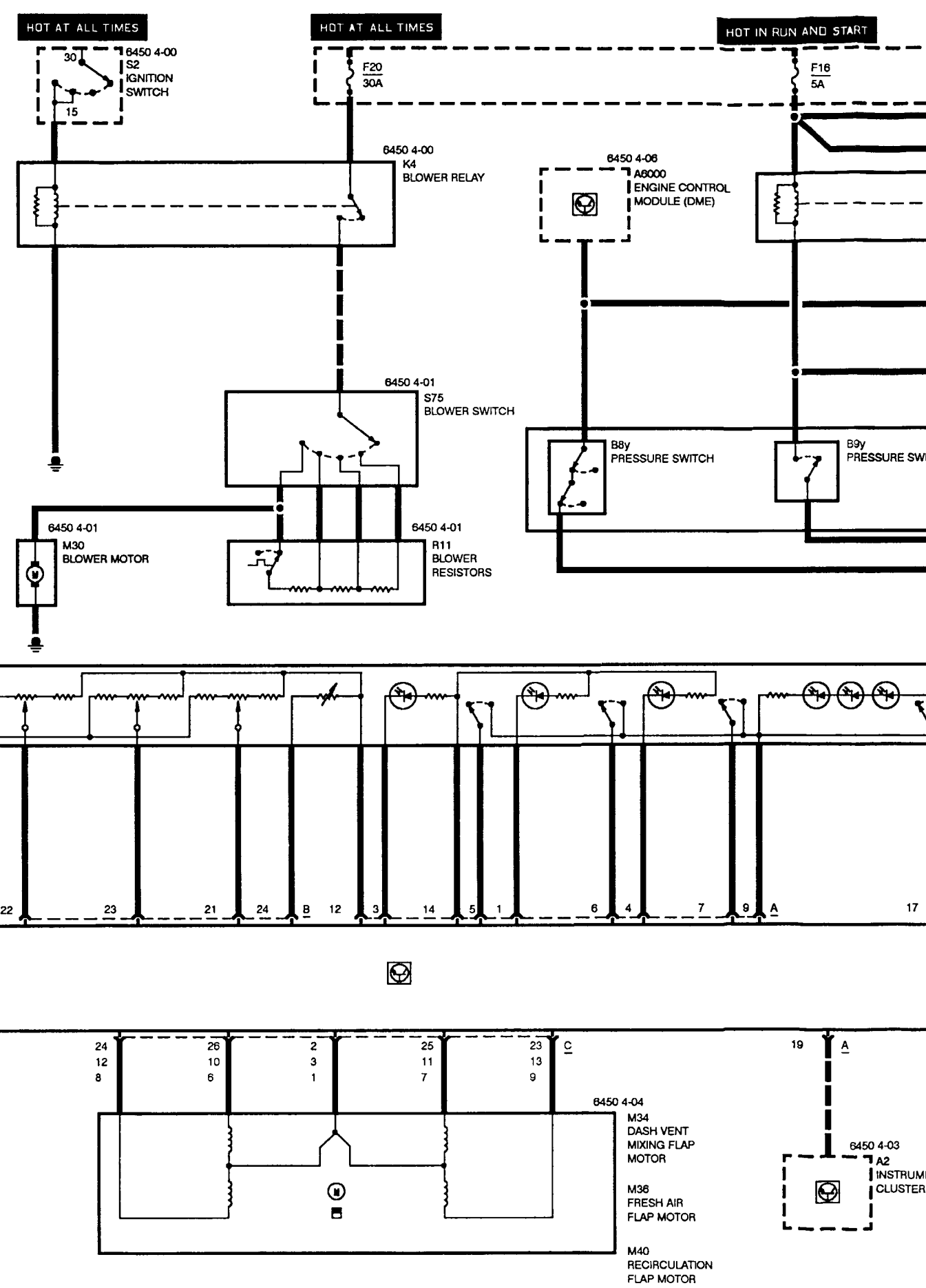
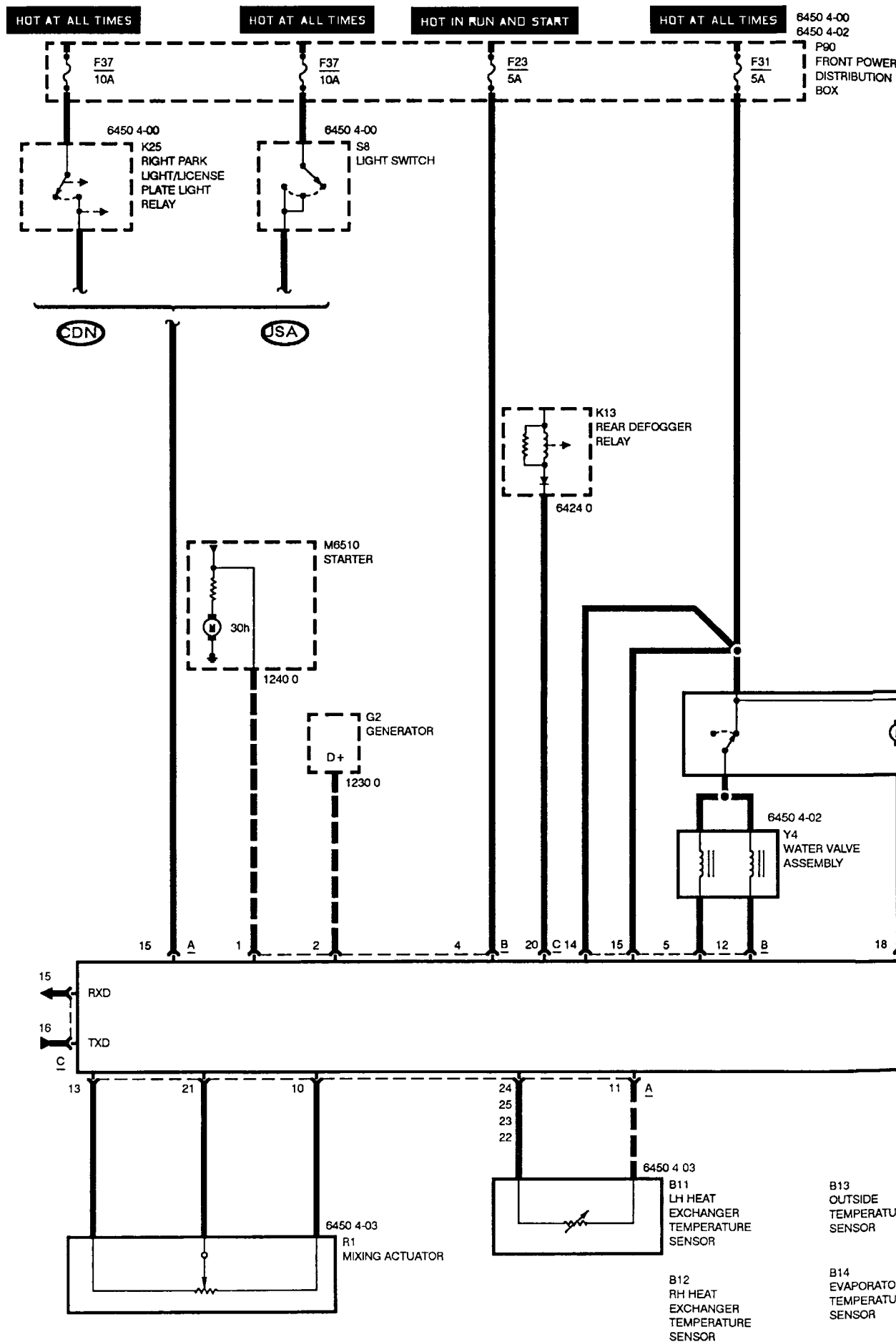
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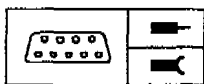
6424.0-01

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Pin Assignments

A = X18155 26 Pins, white

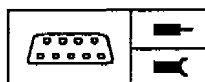
B = X18156 26 Pins, black

C = X18157 26 Pins, blue

X18155

Pin	Type	Description/Function	Connection
1	A	Function light, air recirculation	IHKR control panel
2		Not used	
3	A	Function light, rear window defogger	IHKR control panel
4	A	Function light, air conditioning	IHKR control panel
5	E	Rear window defogger switch	IHKR control panel
6	E	Air circulation switch	IHKR control panel
7	E	Air conditioning switch	IHKR control panel
8		Not used	
9	A	Ground for rear window defogger switch, air recirculation switch, air conditioning switch, electric flaps switches, and function lights	IHKR control panel
10	A	Ground for mixing actuator	Mixing actuator
11	A	Ground for temperature sensors	Various temperature sensors
12	A	Ground for rotary switches and interior temperature sensor	IHKR control panel
13	A	Voltage supply for mixing actuator	Mixing actuator
14	E	Voltage supply for function lights	IHKR control panel
15 (USA)	E	Terminal 58K	Light switch
15 (CDN)	E	Terminal 58K	Right park light/license plate light relay, terminal 87
16		Not used	
17		Not used	
18	E	Crankshaft position/RPM signal TD	Engine control module (DME)
19	E	Vehicle speed	Instrument cluster
20	E	Independent ventilation	Park heating/ventilation relay box
21	E	Nominal mixing value	Mixing actuator
22	A/E	Evaporator temperature	Evaporator temperature sensor
23	A/E	Outside temperature	Outside temperature sensor
24	A/E	Heater temperature, left	Left heat exchanger temperature sensor

E = Input, A = Output, M = Ground



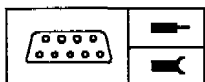
Pin Assignments

Pin	Type	Description/Function	Connection
25	A/E	Heater temperature, right	Right heat exchanger temperature sensor
26		Not used	

X18156

Pin	Type	Description/Function	Connection
1	E	Terminal 30h	Starter, terminal 30h
2	E	Terminal 61	Generator
3		Not used	
4	E	Voltage supply, terminal 15	Front power distribution box, fuse 23
5	A	Left water valve activation	Water valve assembly
6		Not used	
7		Not used	
8		Not used	
9	E	Terminal 15 (independent ventilation only)	Park heating/ventilation relay box
10		Not used	
11		Not used	
12	A	Right water valve activation	Water valve assembly
13		Not used	
14	E	Voltage supply, terminal 30	Front power distribution box, fuse 31
15	E	Voltage supply, terminal 30	Front power distribution box, fuse 31
16	M	Ground for load circuit	Ground point
17	M	Ground for load circuit	Ground point
18	A	Engine control module (DME) activation (anti-stall)	Engine control module (DME)
19		Not used	
20		Not used	
21	E	Nominal temperature valve, right	IHKR control panel
22	E	Nominal temperature valve, left	IHKR control panel
23	E	Nominal air flow valve	IHKR control panel
24	A/E	Interior temperature sensor	IHKR control panel
25		Not used	
26	M	Ground for electronics	Ground point

E = Input, A = Output, M = Ground



Pin Assignments

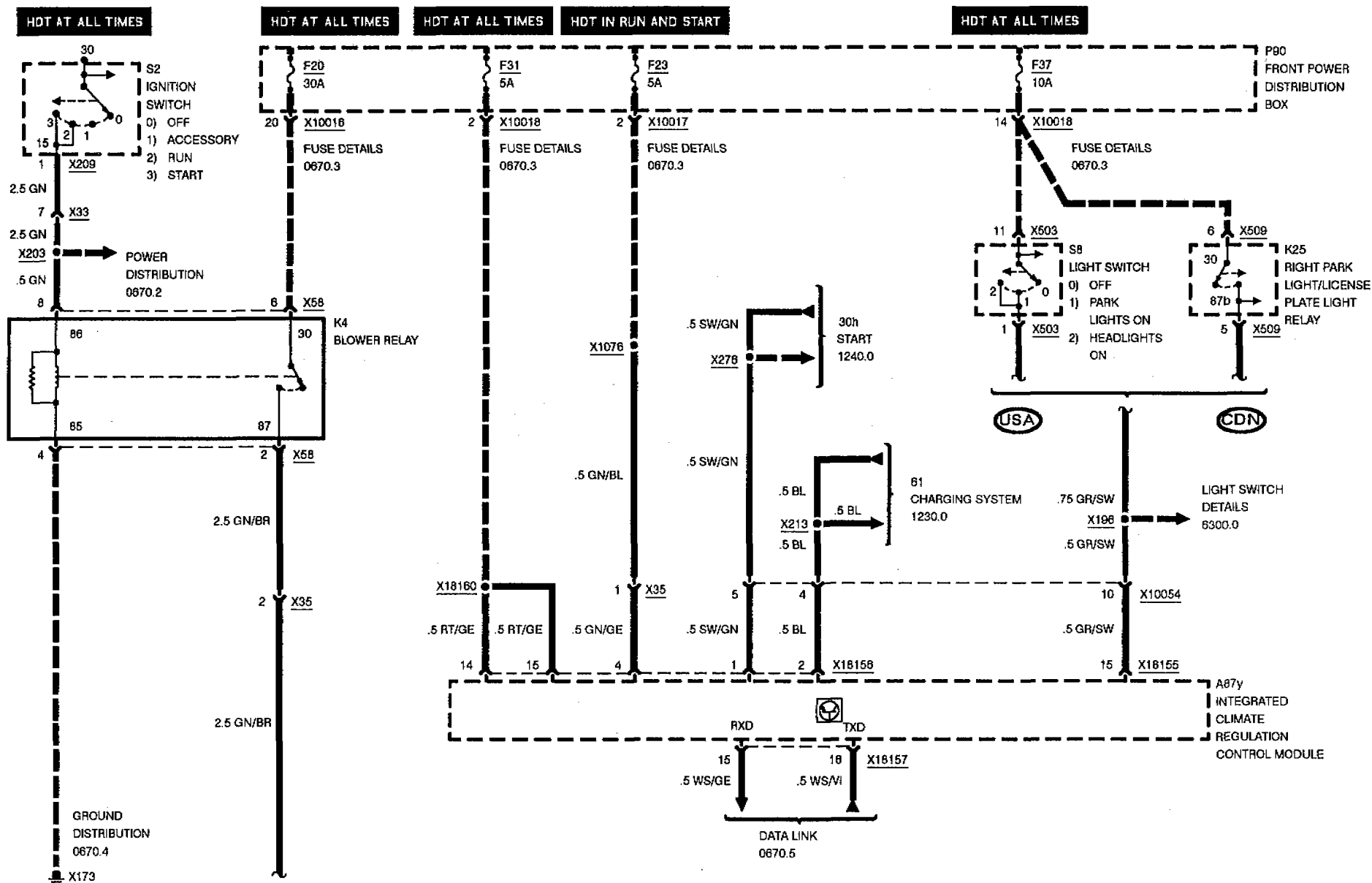
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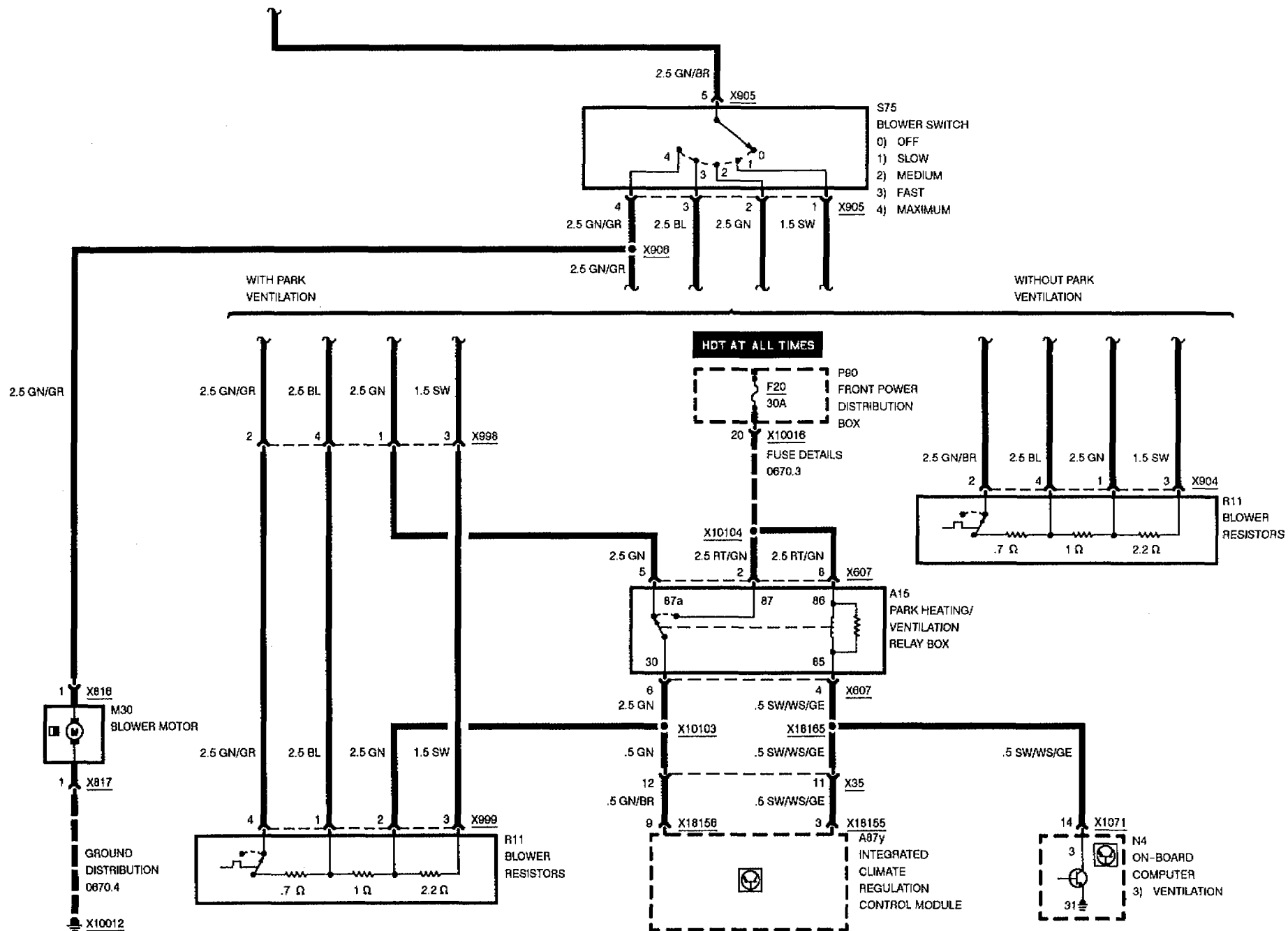
Pin	Type	Description/Function	Connection
1	A	Voltage supply for recirculation flap motor	Recirculation flap motor
2	A	Voltage supply for dash vent mixing flap motor	Dash vent mixing flap motor
3	A	Voltage supply for fresh air flap motor	Fresh air flap motor
4		Not used	
5		Not used	
6	A	Recirculation flap motor activation	Recirculation flap motor
7	A	Recirculation flap motor activation	Recirculation flap motor
8	A	Recirculation flap motor activation	Recirculation flap motor
9	A	Recirculation flap motor activation	Recirculation flap motor
10	A	Fresh air flap motor activation	Fresh air flap motor
11	A	Fresh air flap motor activation	Fresh air flap motor
12	A	Fresh air flap motor activation	Fresh air flap motor
13	A	Fresh air flap motor activation	Fresh air flap motor
14	A	Voltage supply for rotary switches	IHKR control panel
15	A	RxD diagnostic data line	Data link connector
16	E/A	TxD diagnostic data line	Data link connector
17	E	Ventilation flap switch	IHKR control panel
18	A	Interior sensor blower activation	IHKR control panel
19		Not used	
20	A	Rear window defogger activation	Rear defogger relay, terminal 86b
21		Not used	
22	A	Activate A/C compressor/auxiliary fan stage 1	Engine control module (DME) and normal speed relay, terminal 85b
23	A	Dash vent mixing flap motor activation	Dash vent mixing flap motor
24	A	Dash vent mixing flap motor activation	Dash vent mixing flap motor
25	A	Dash vent mixing flap motor activation	Dash vent mixing flap motor
26	A	Dash vent mixing flap motor activation	Dash vent mixing flap motor

E = Input, A = Output, M = Ground

INTEGRATED CLIMATE REGULATION (IHKR E36)

POWER, BLOWER CONTROLS

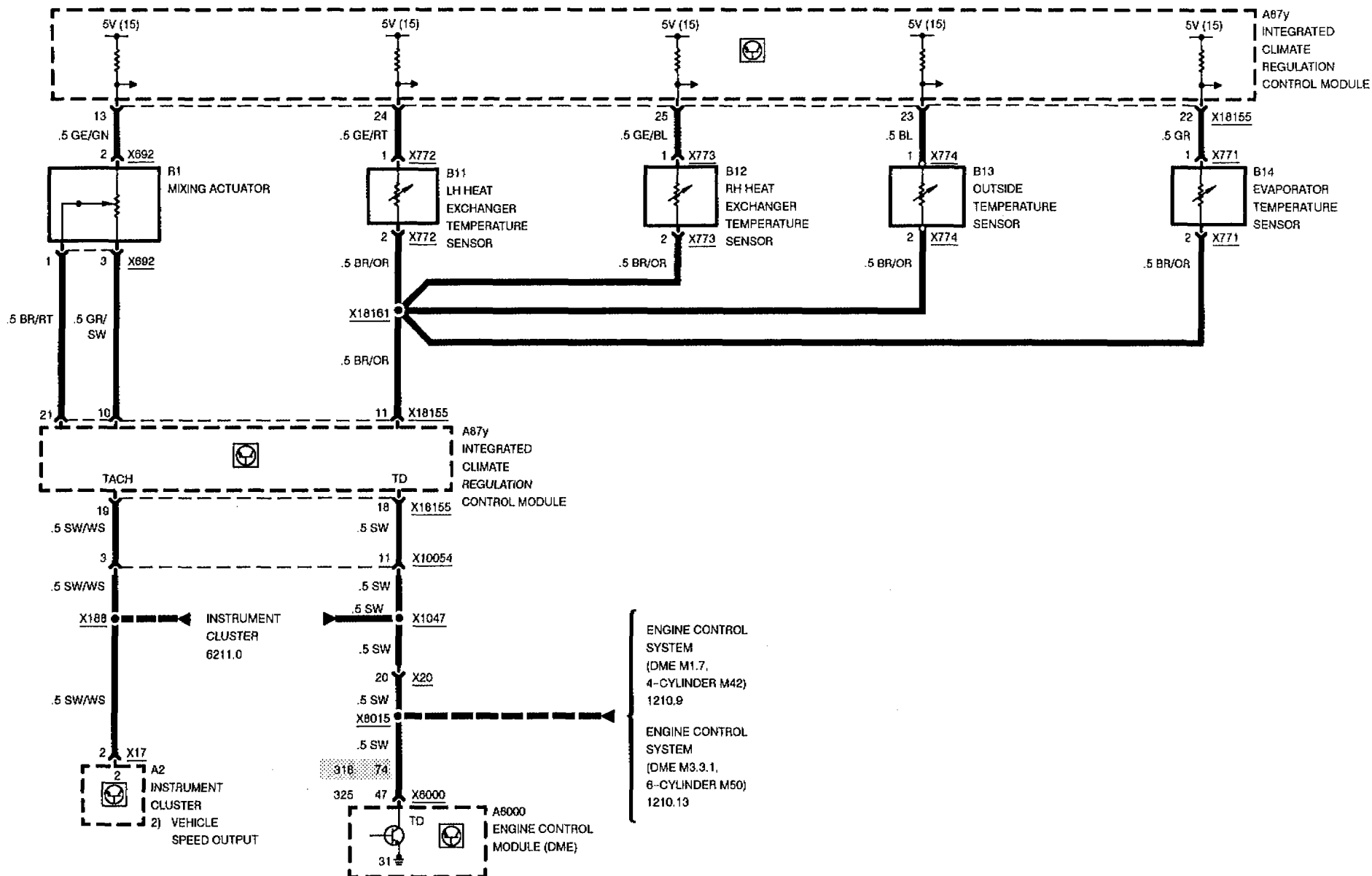




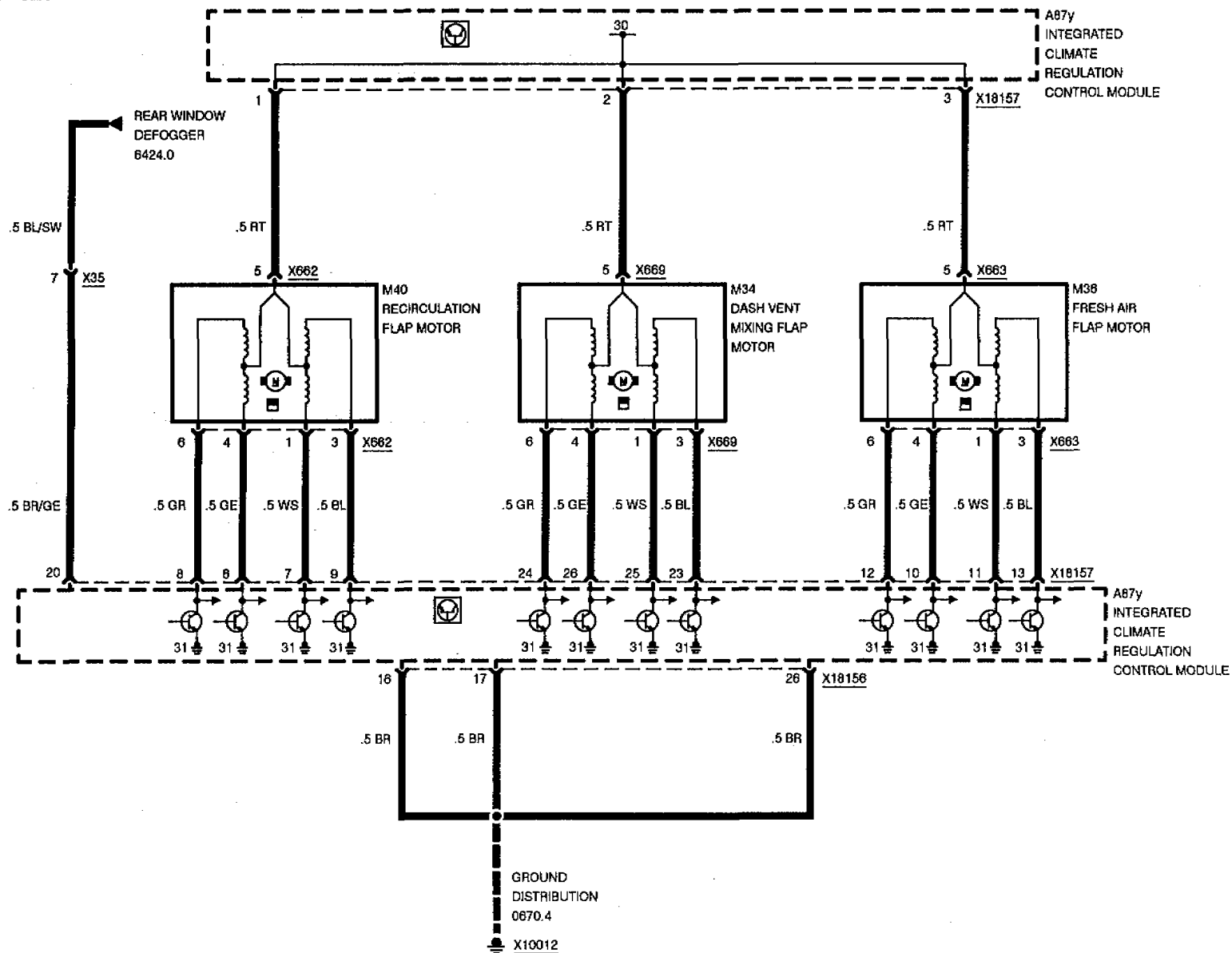


INTEGRATED CLIMATE REGULATION (IHKR E36)

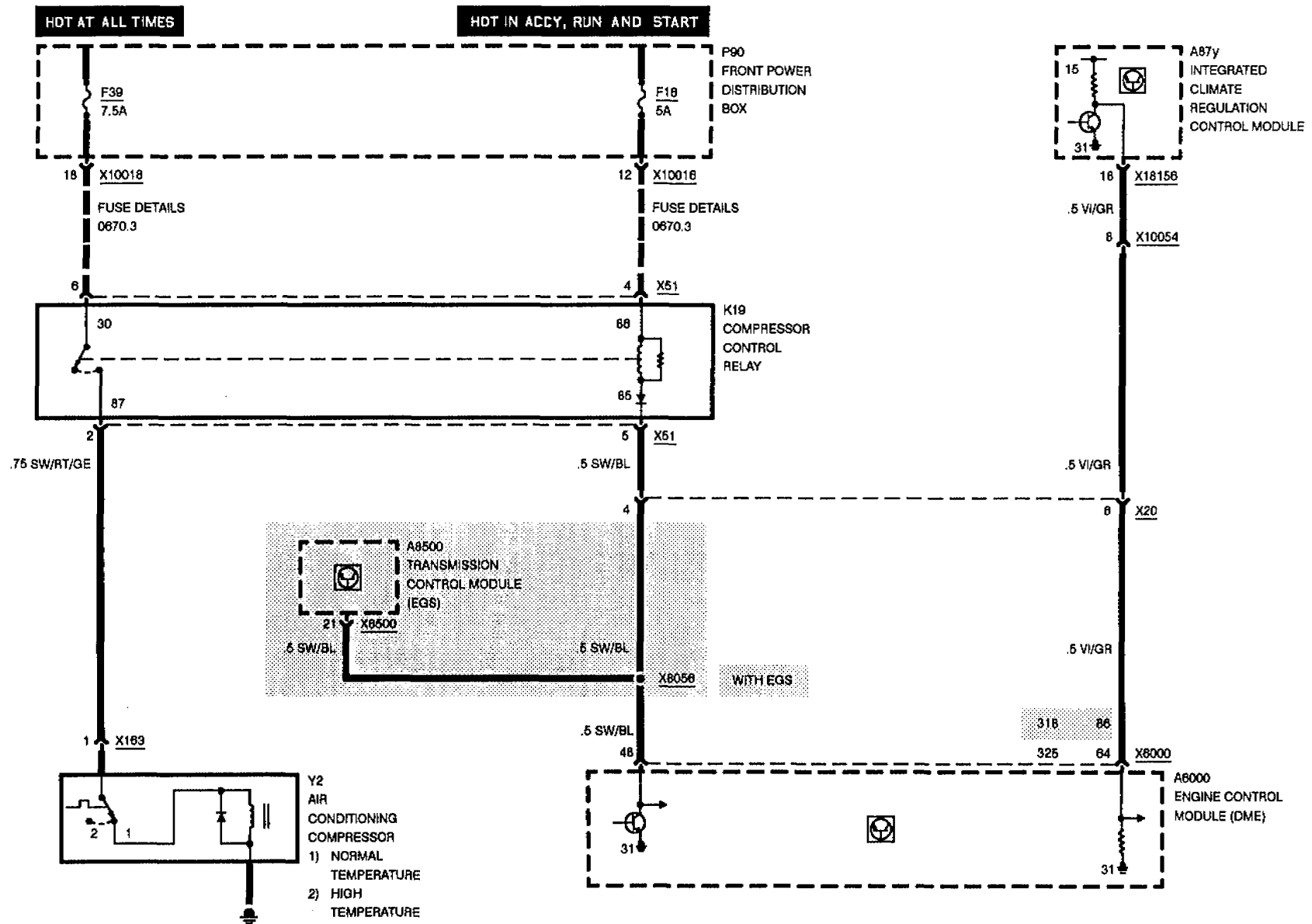
TEMPERATURE CONTROL

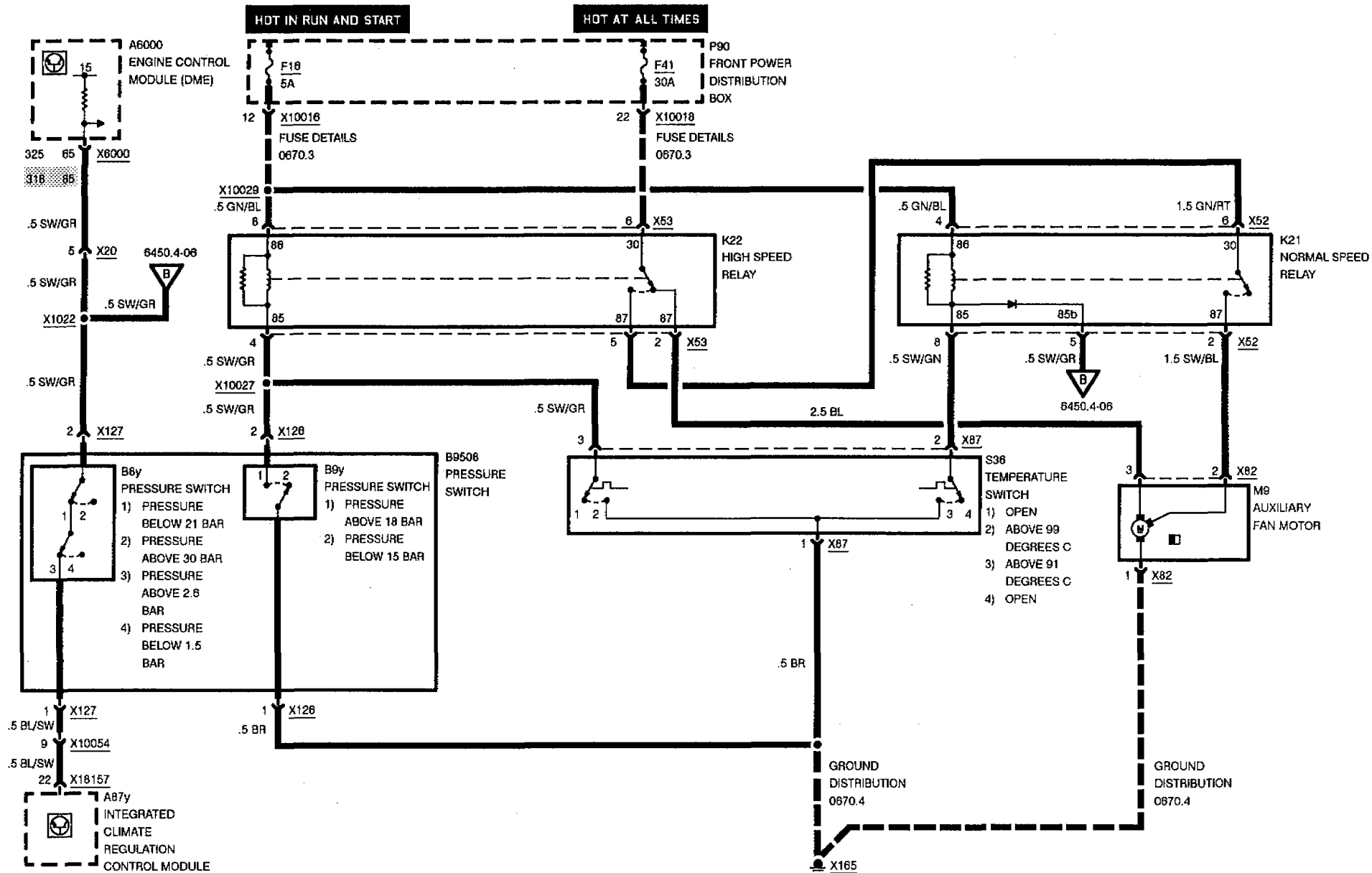


AIR DELIVERY



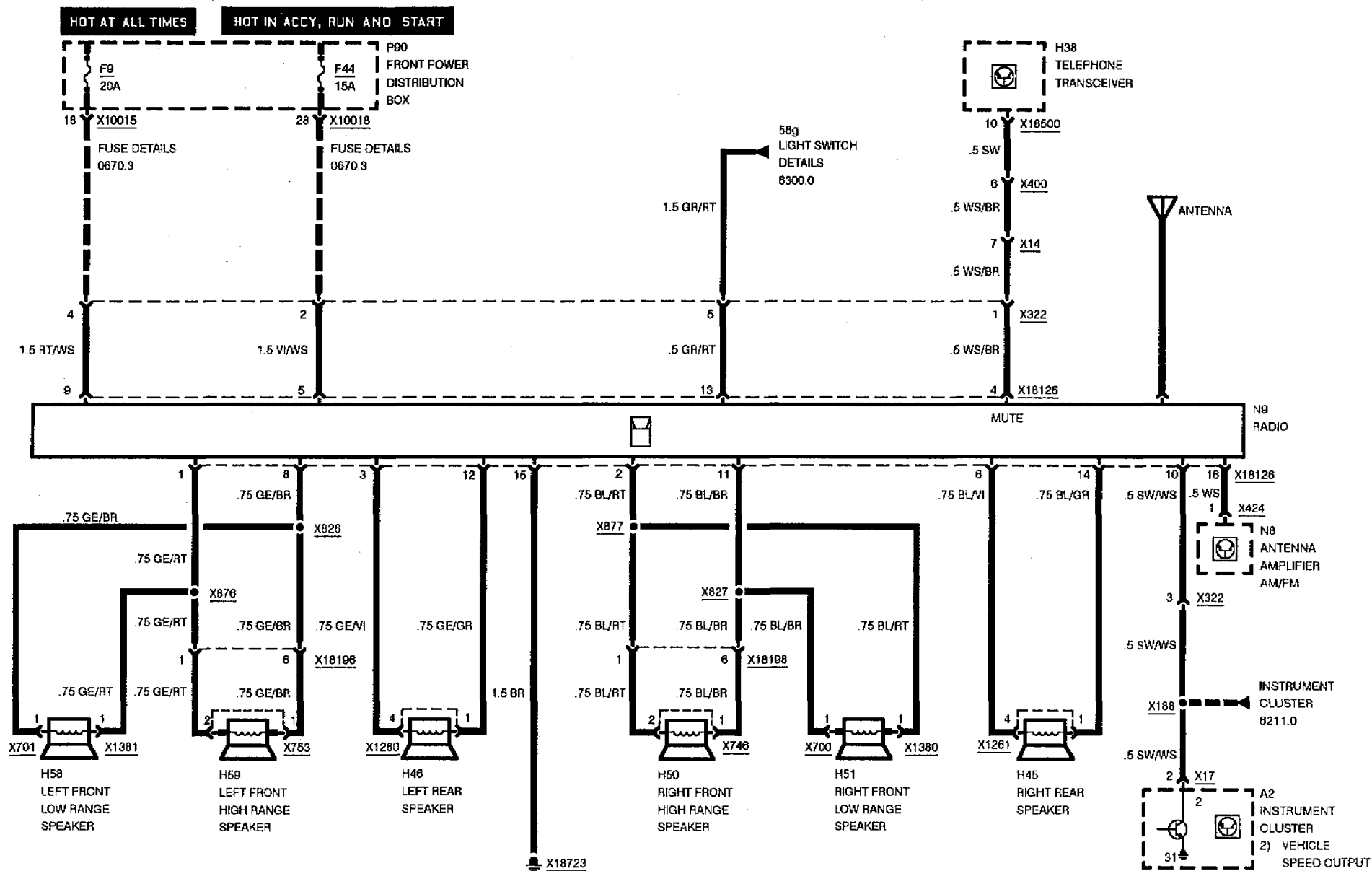
INTEGRATED CLIMATE REGULATION (IHKR E36) COMPRESSOR CONTROLS



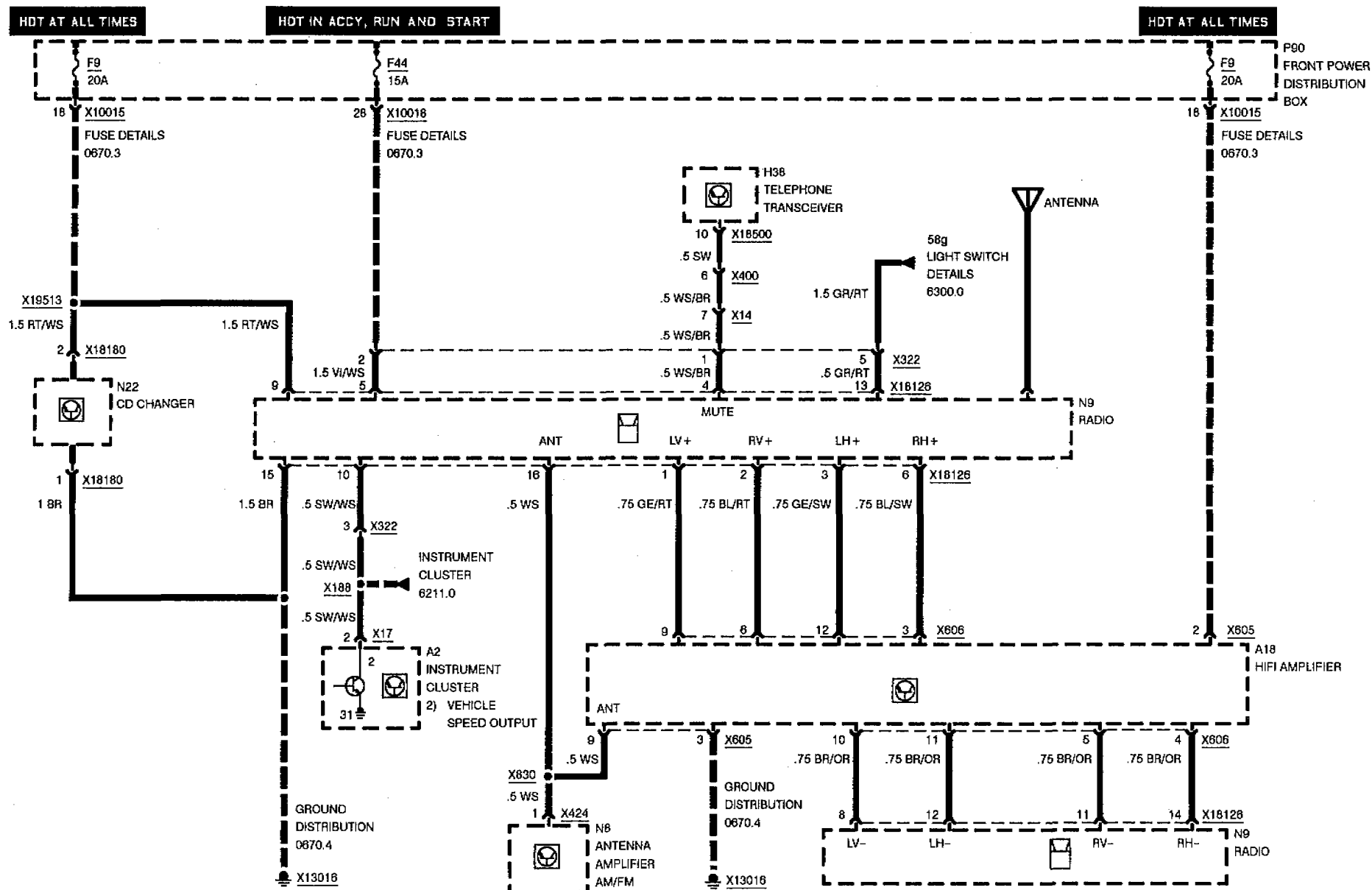


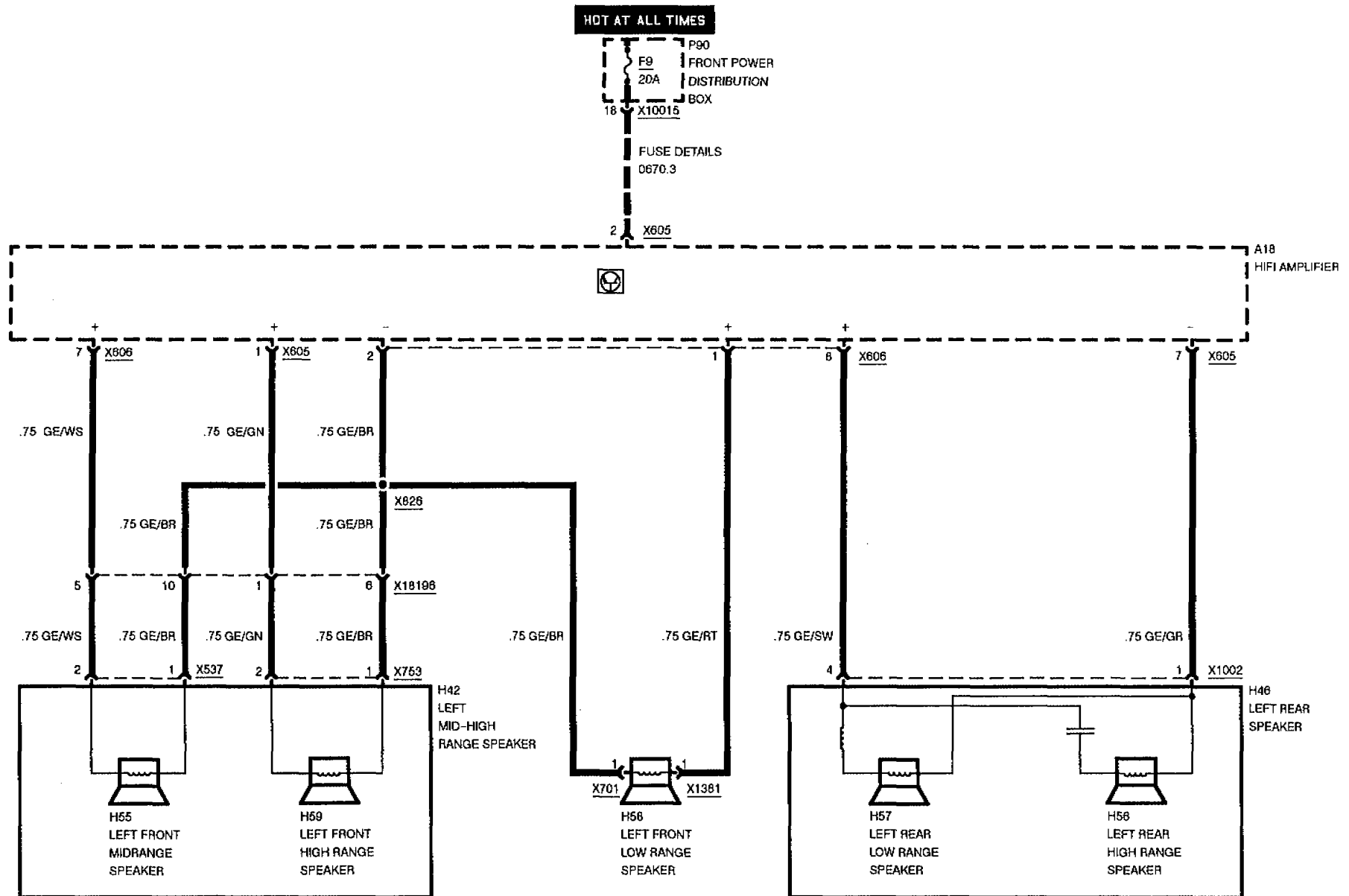


STEREO, 6-SPEAKER SYSTEM







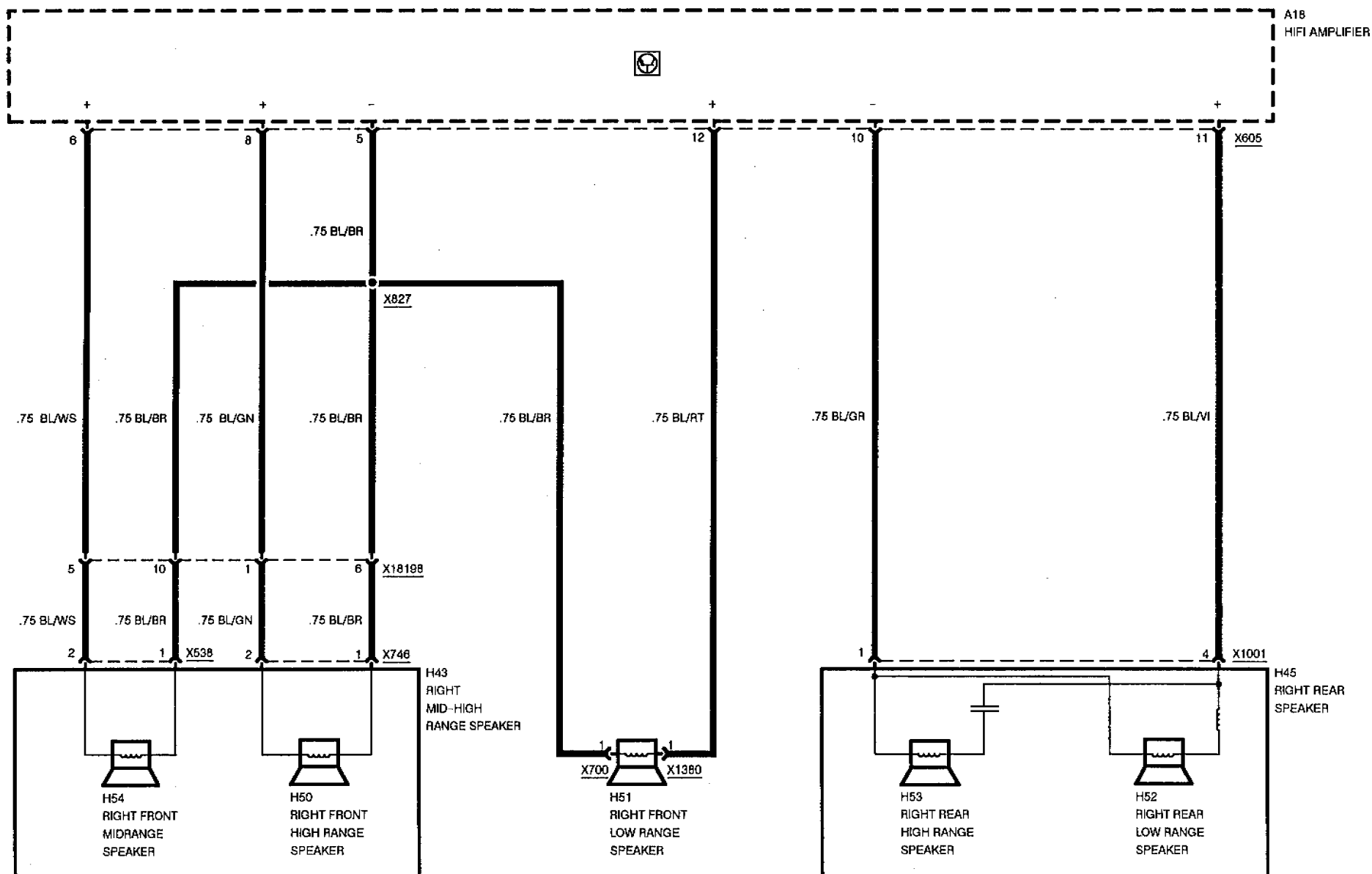


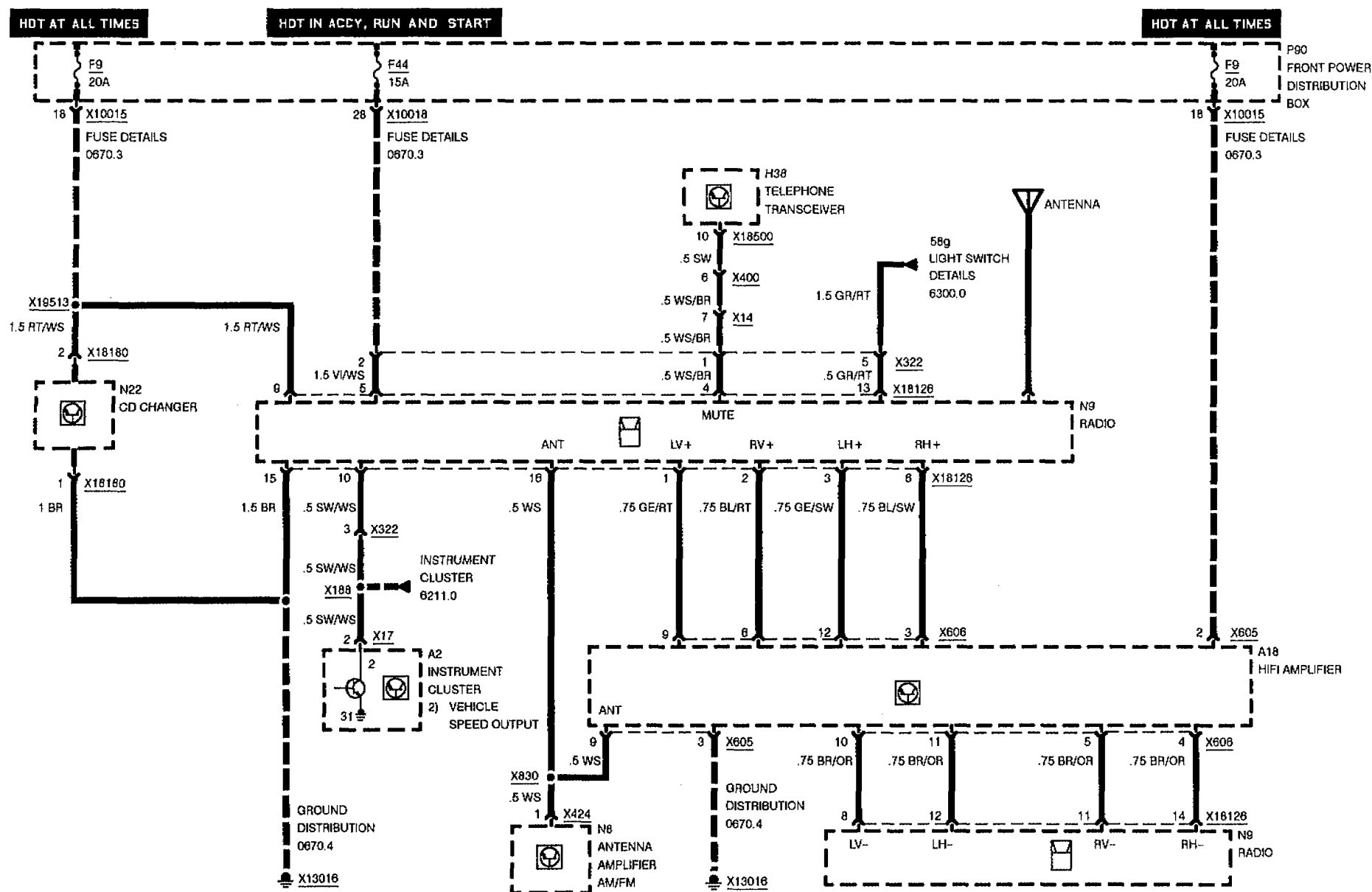


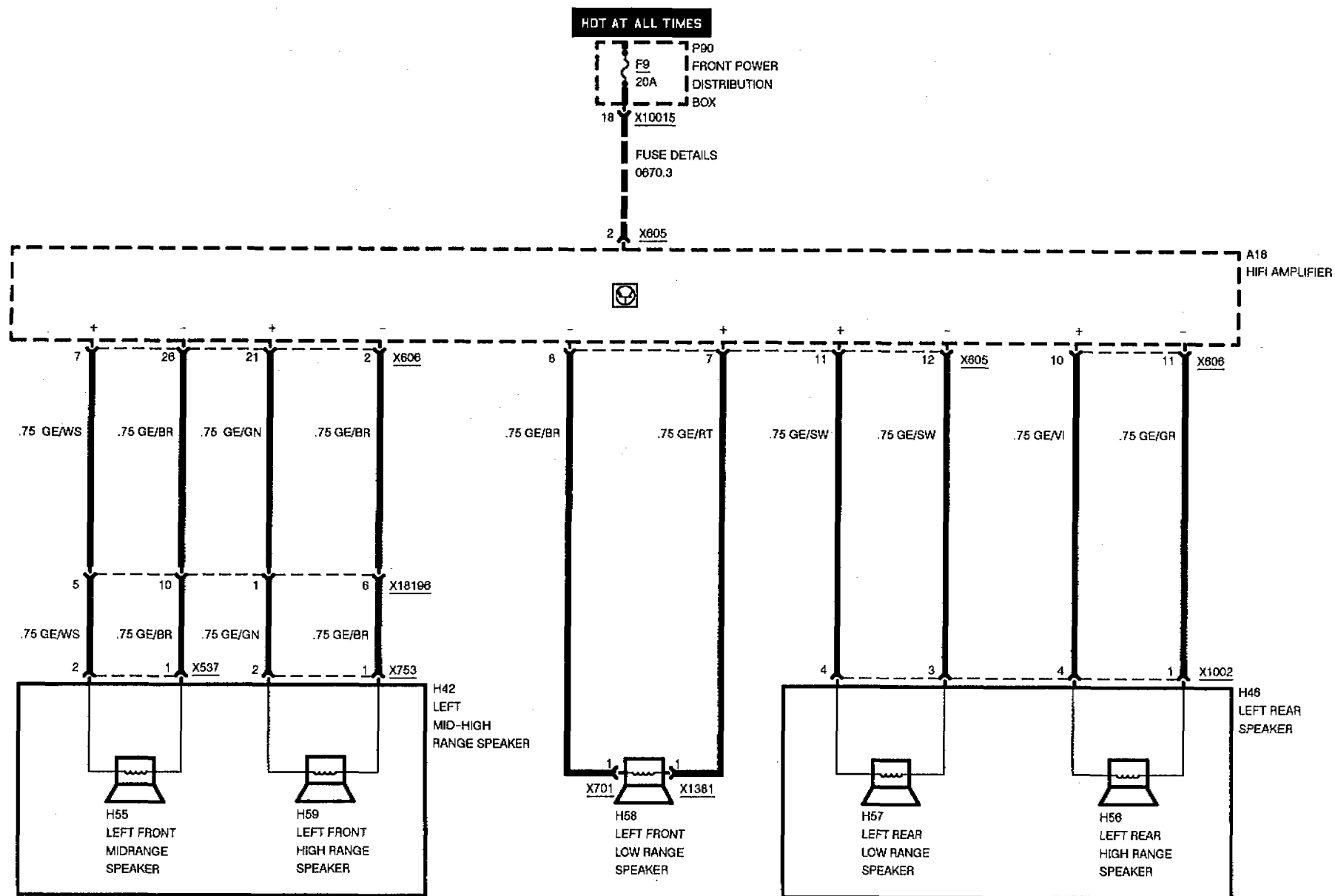
RADIO/HIFI

HIFI, 10-SPEAKER SYSTEM

EARLY PRODUCTION





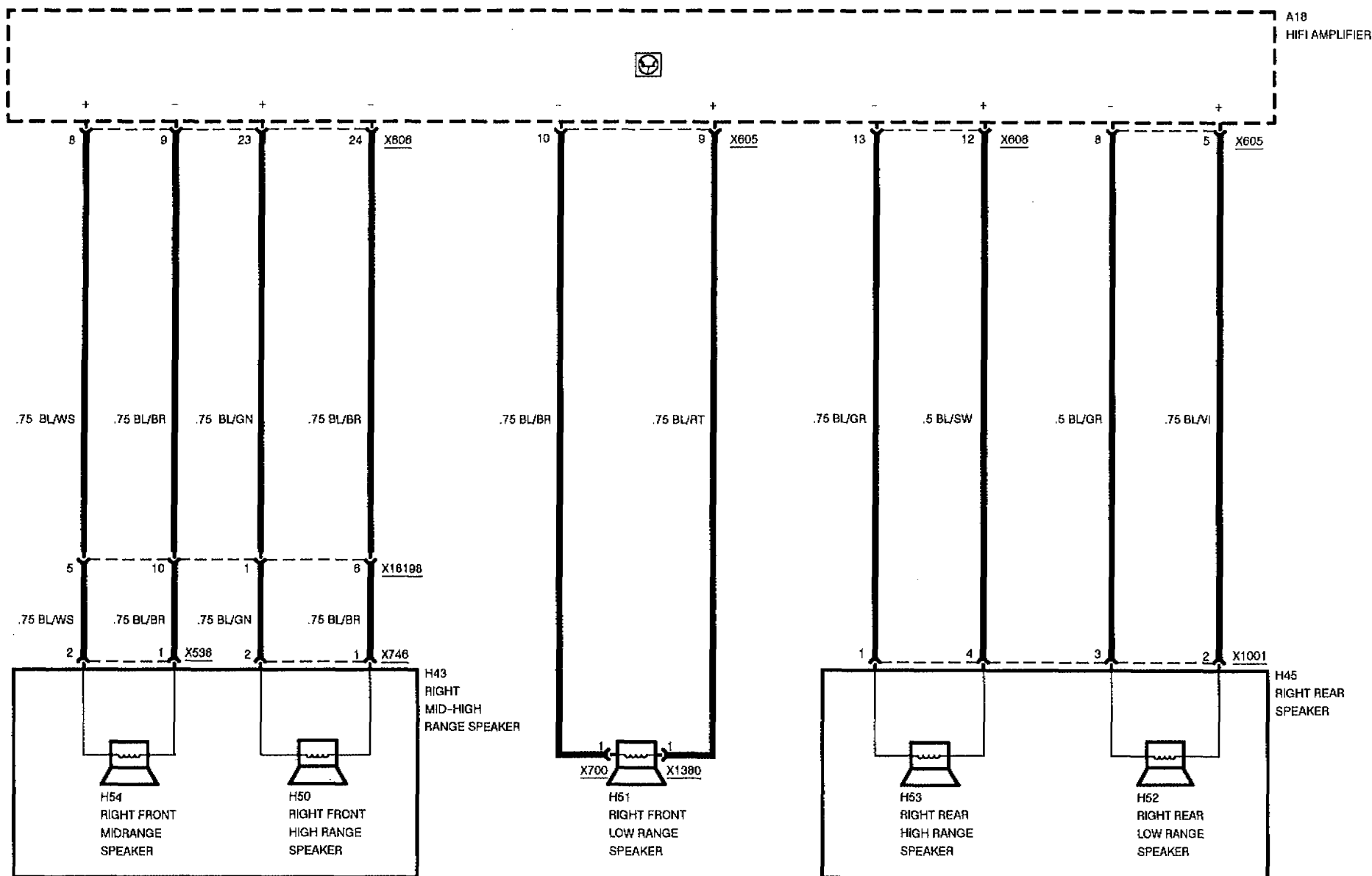




RADIO/HIFI

HIFI, 10-SPEAKER SYSTEM

LATE PRODUCTION



12/93

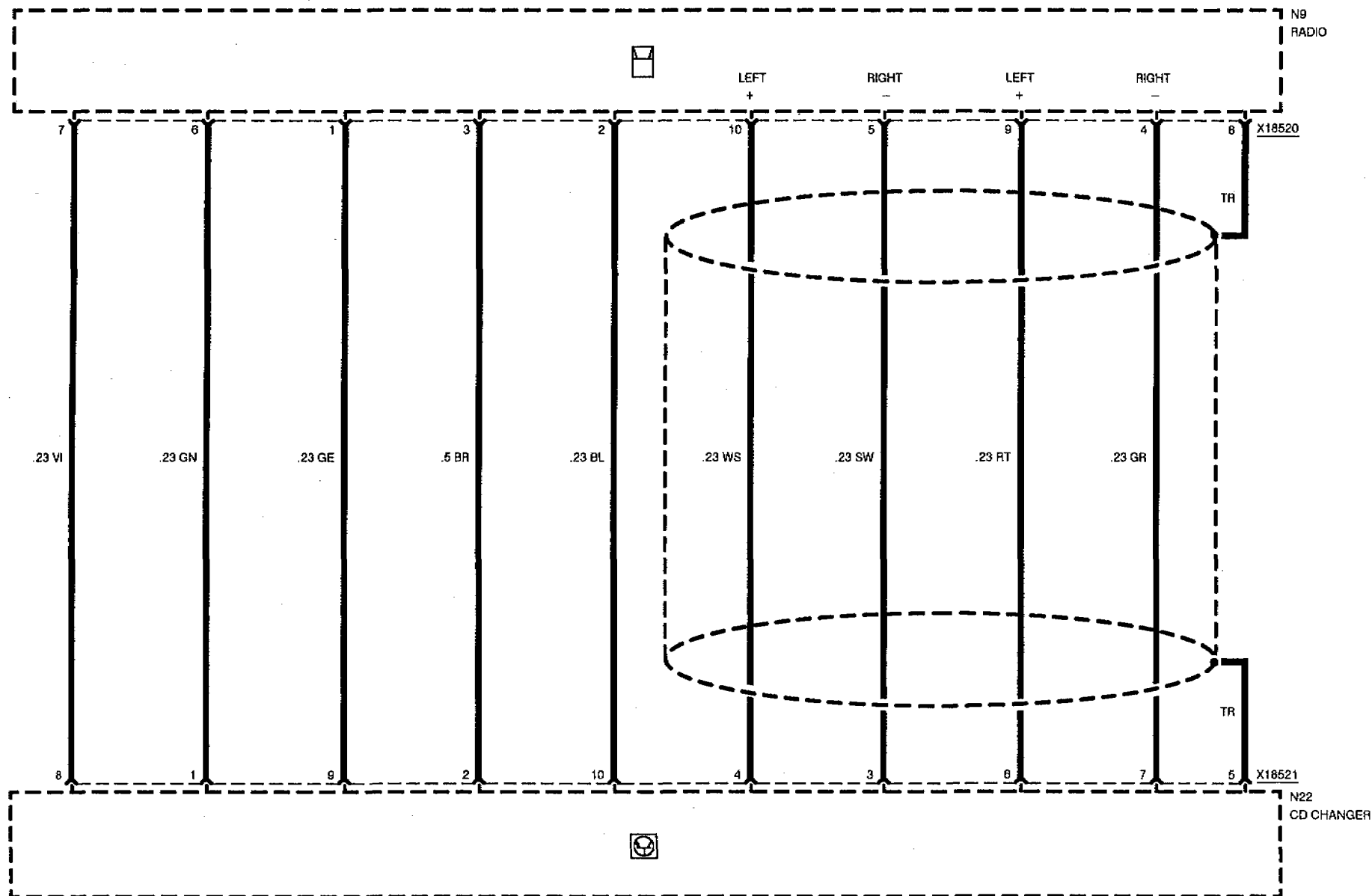
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RADIO/HIFI

HIFI, 10-SPEAKER SYSTEM

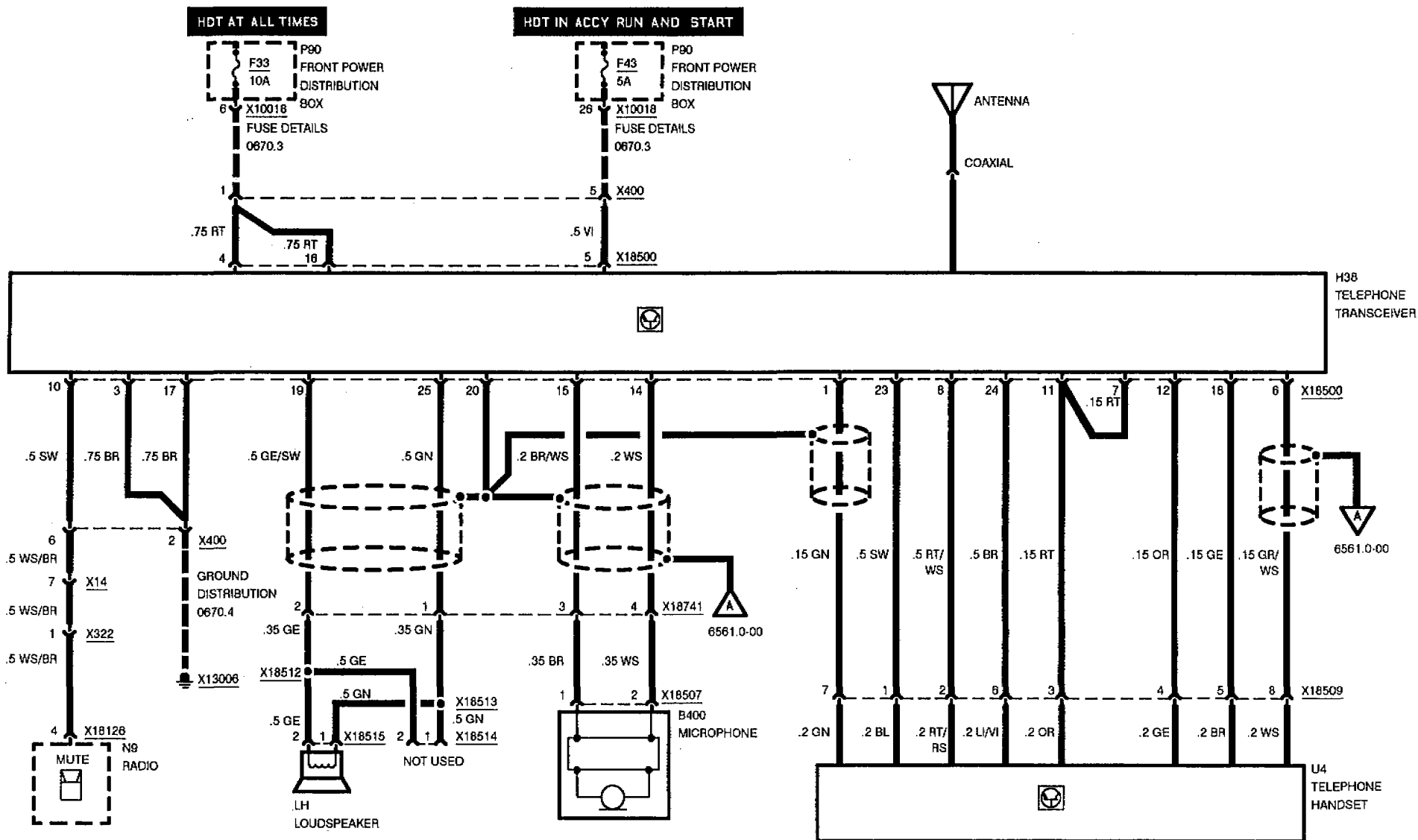




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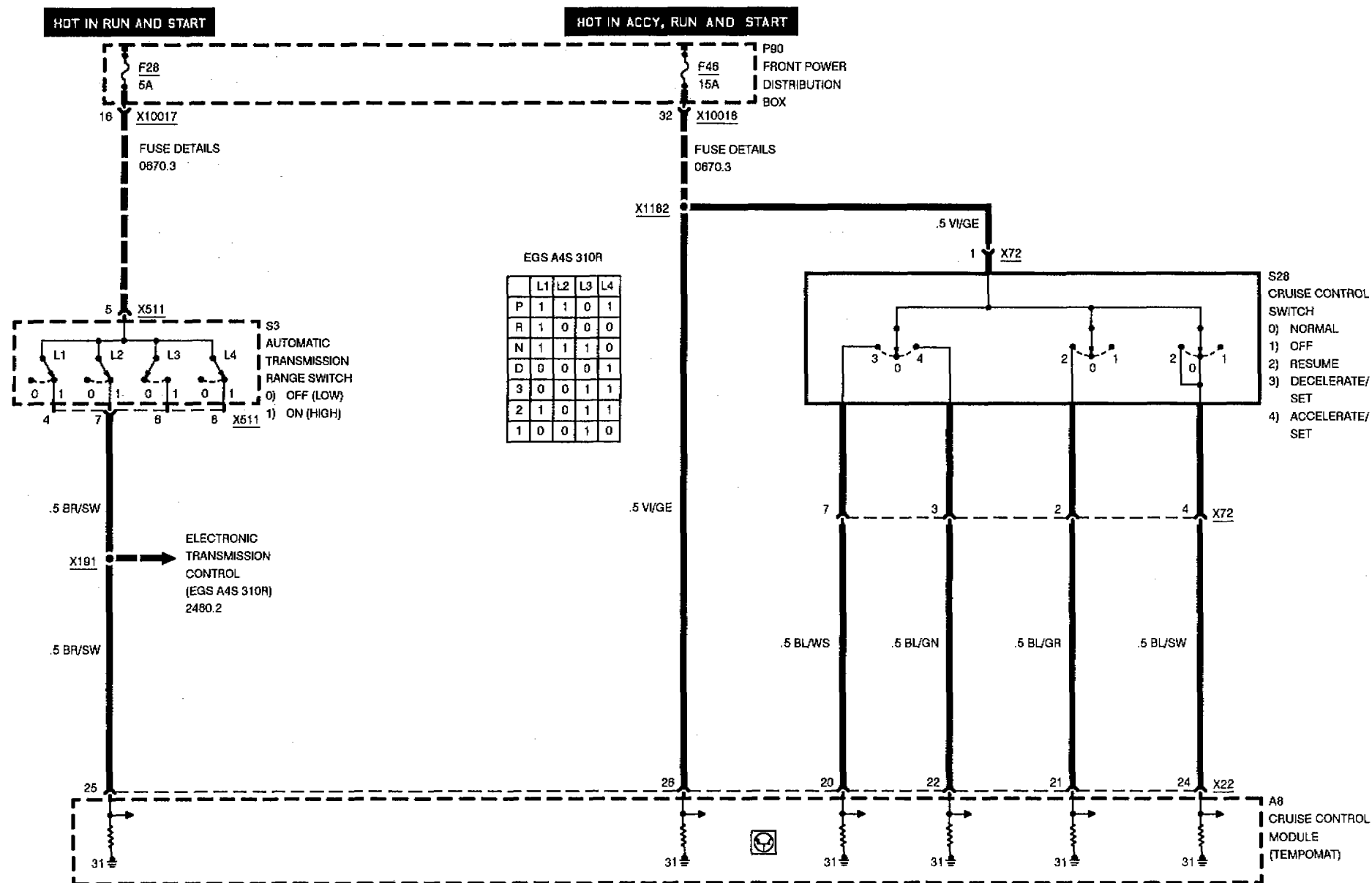
CELLULAR TELEPHONE (PROVISIONS)

AMPS SYSTEM

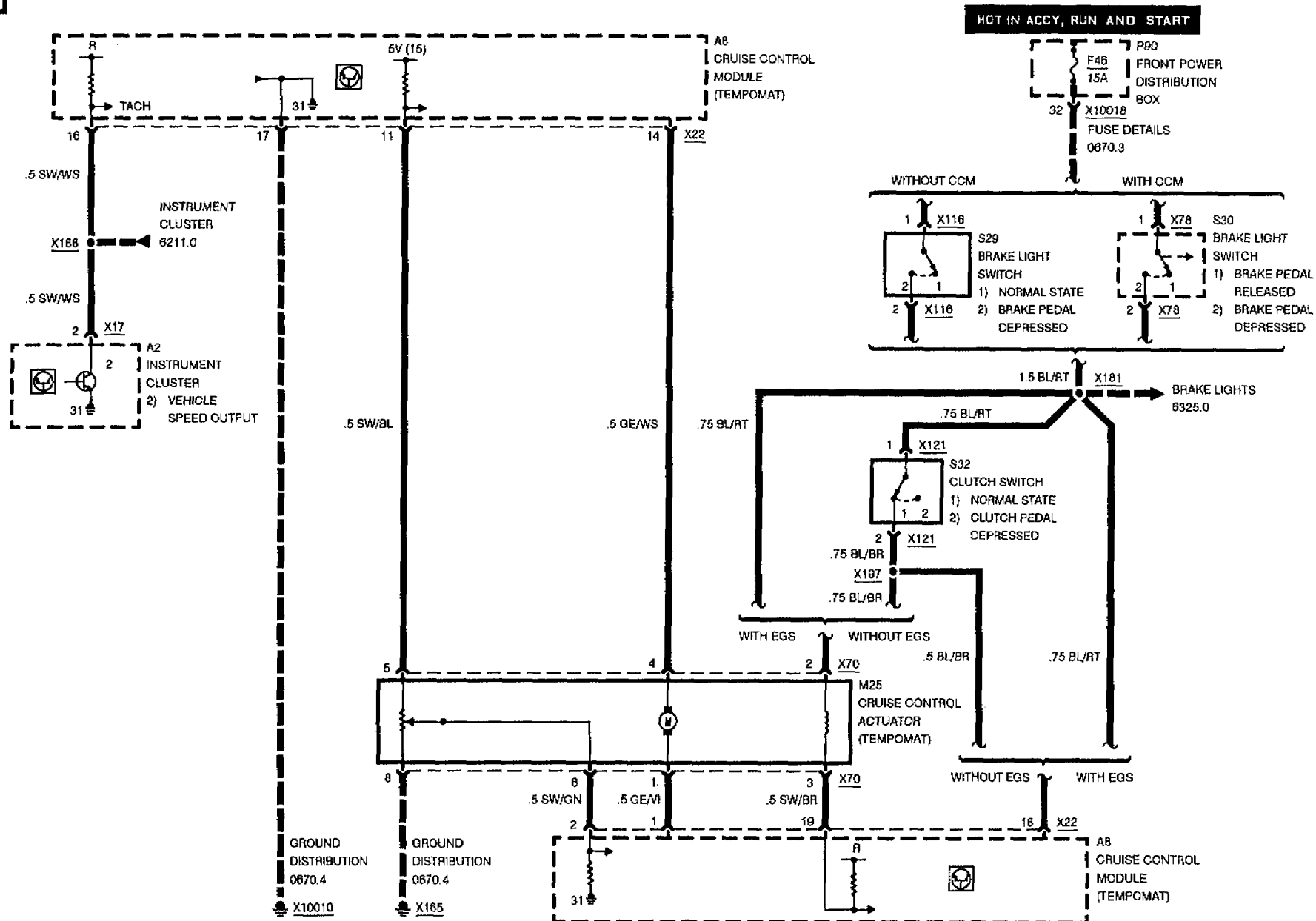




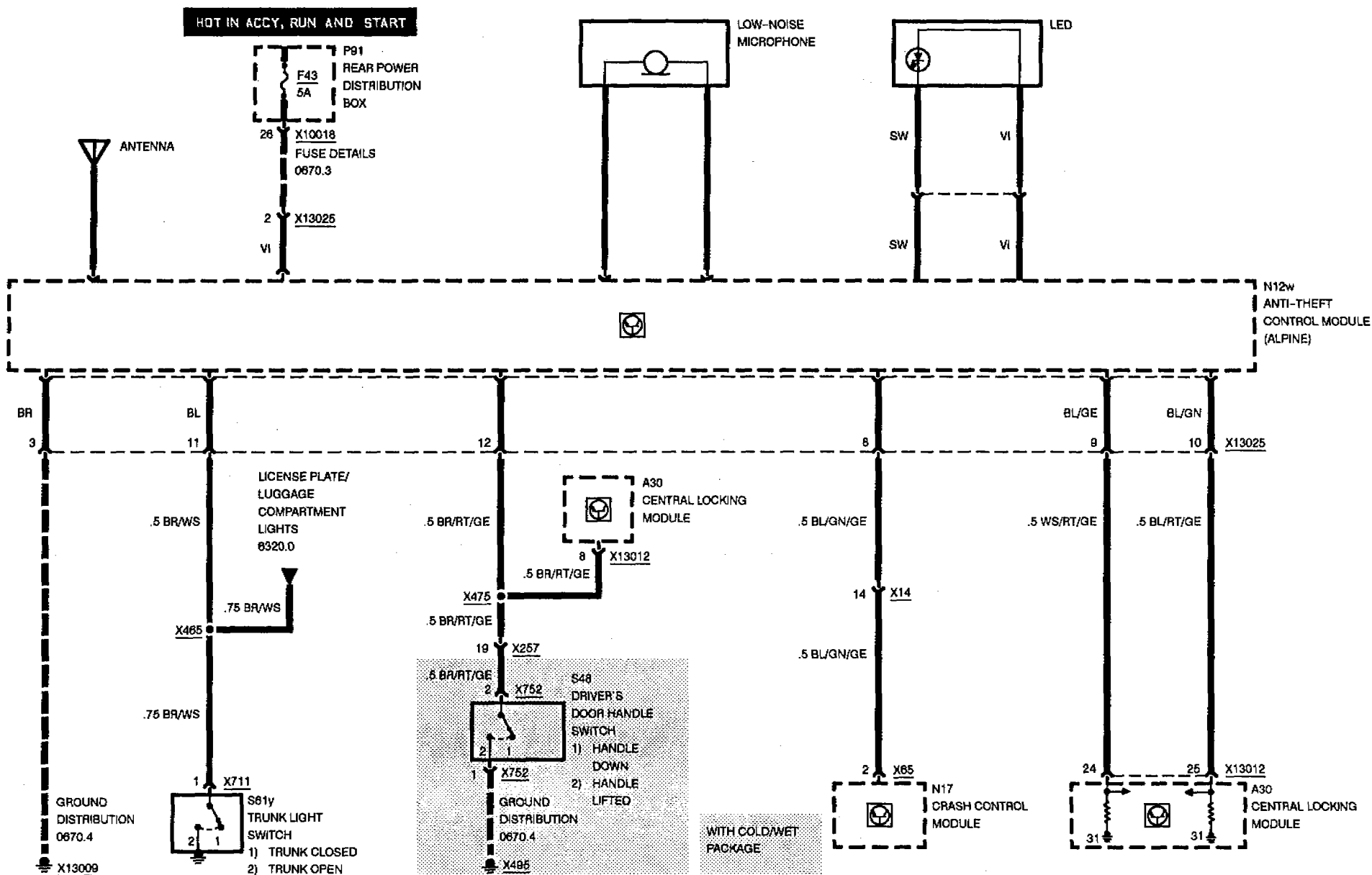
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CRUISE CONTROL (TEMPOMAT)



ANTI-THEFT SYSTEM (ALPINE)

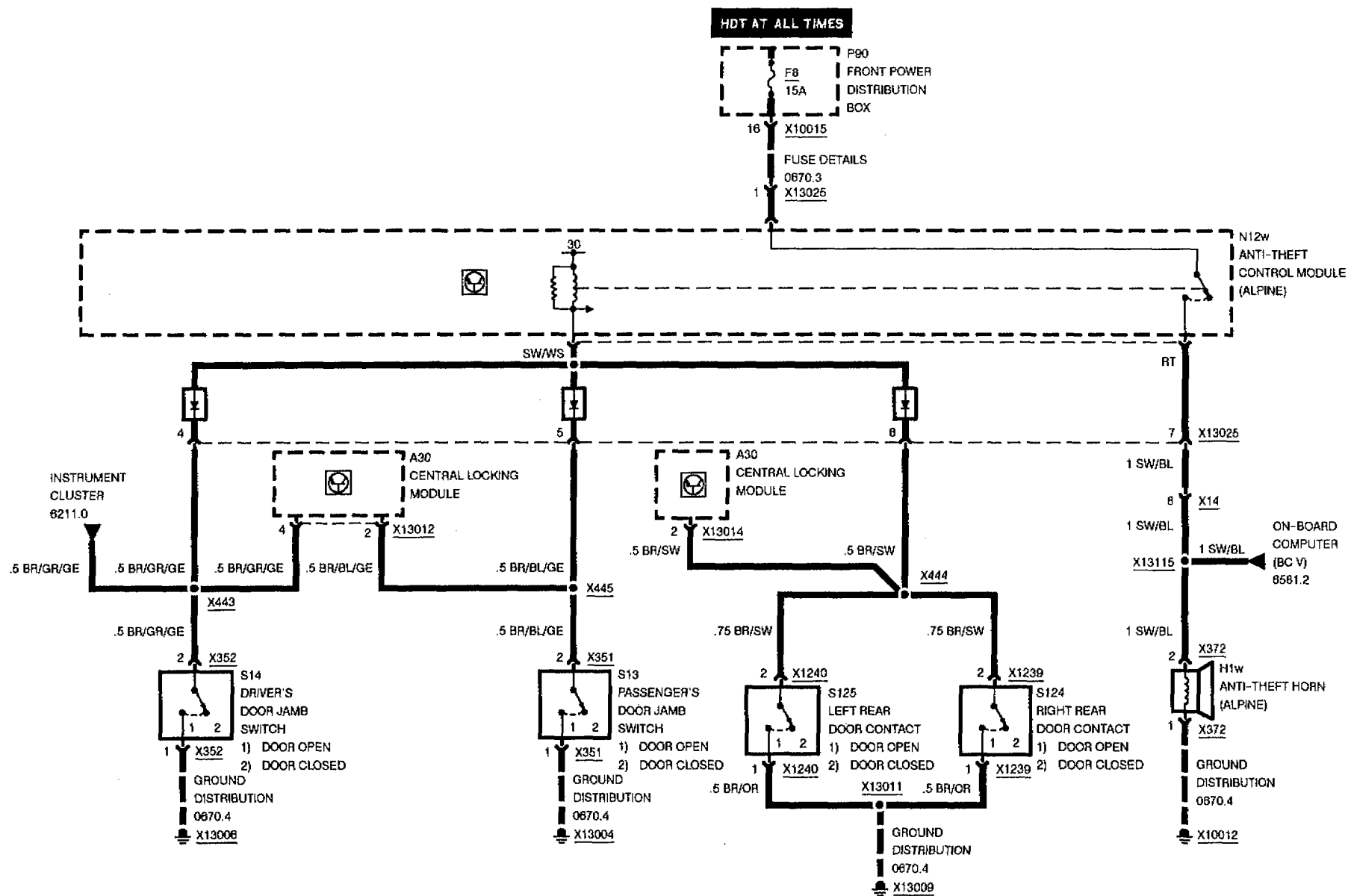




ANTI-THEFT SYSTEM (ALPINE)

FRONT AND REAR DOOR JAMB SWITCHES

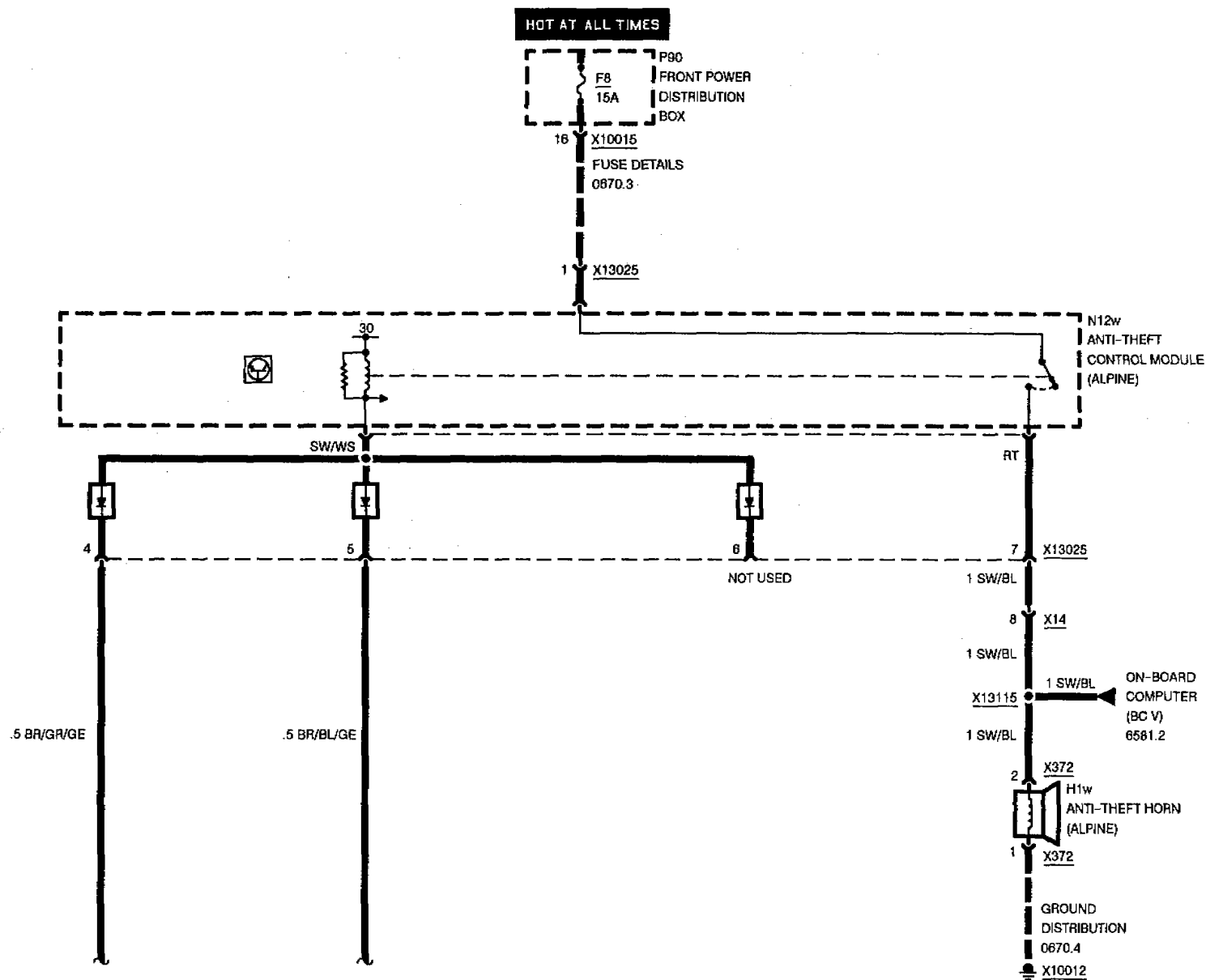
FOUR-DOOR





ANTI-THEFT SYSTEM (ALPINE) FRONT AND REAR DOOR JAMB SWITCHES

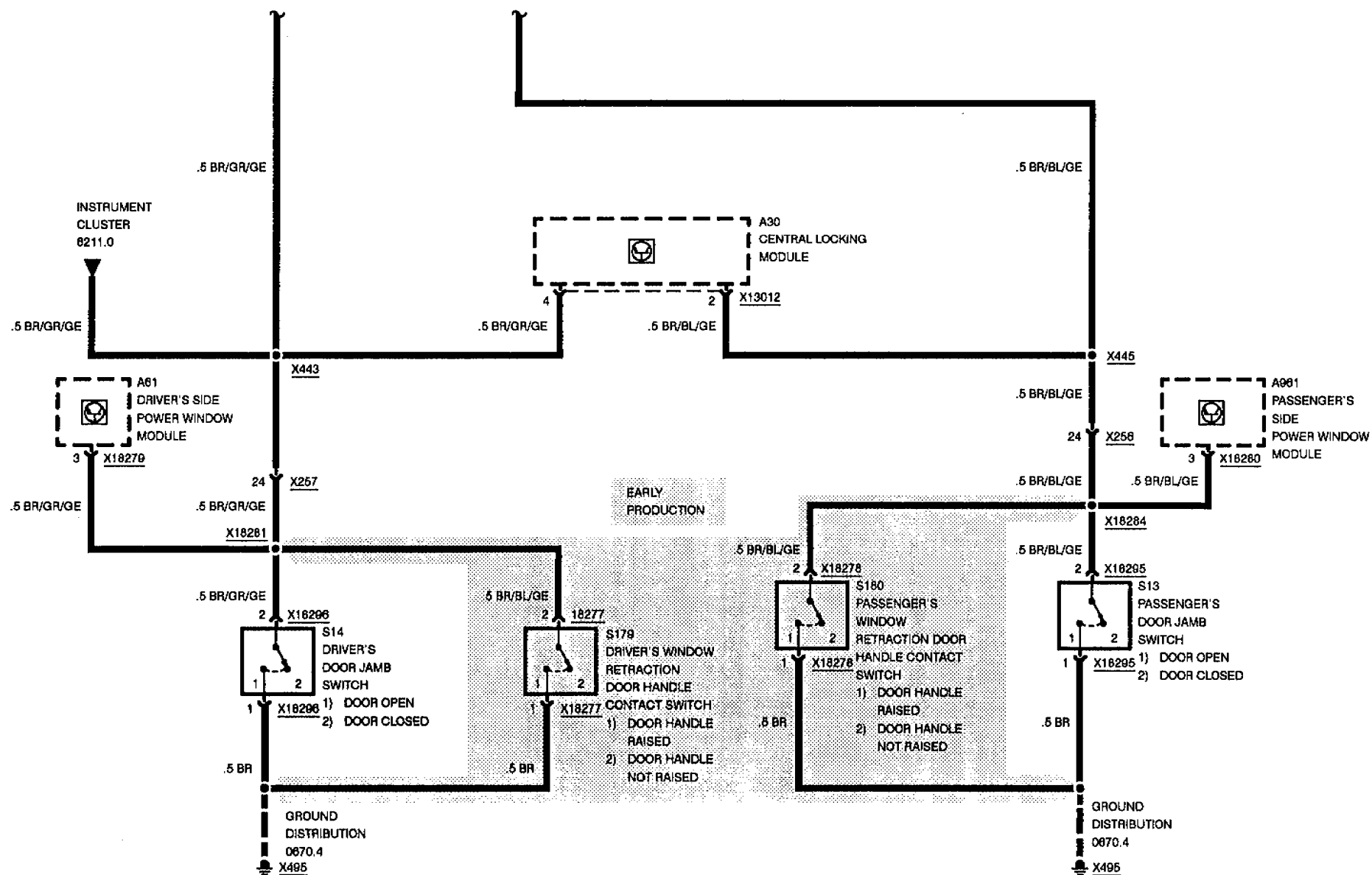
TWO-DOOR

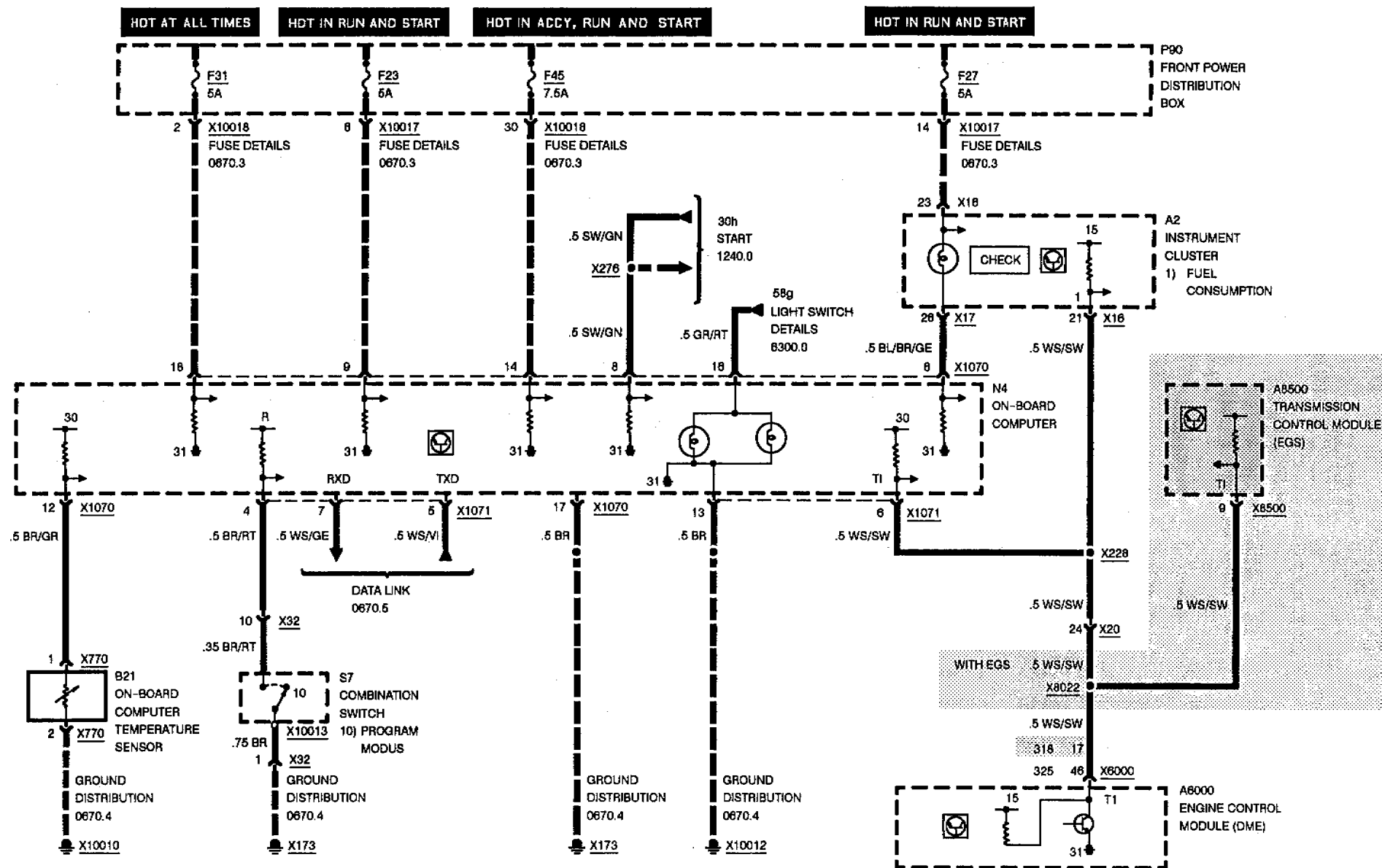


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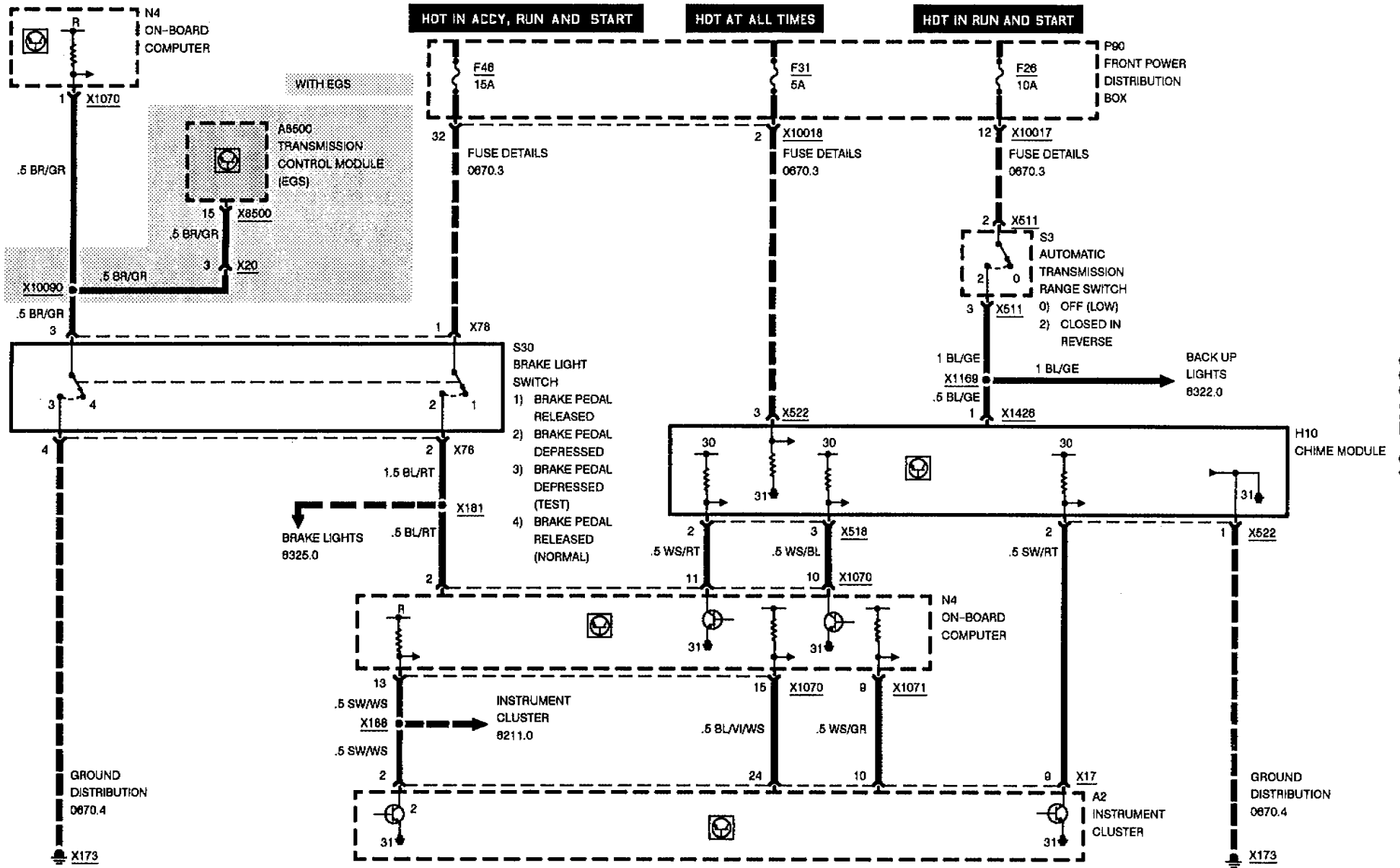
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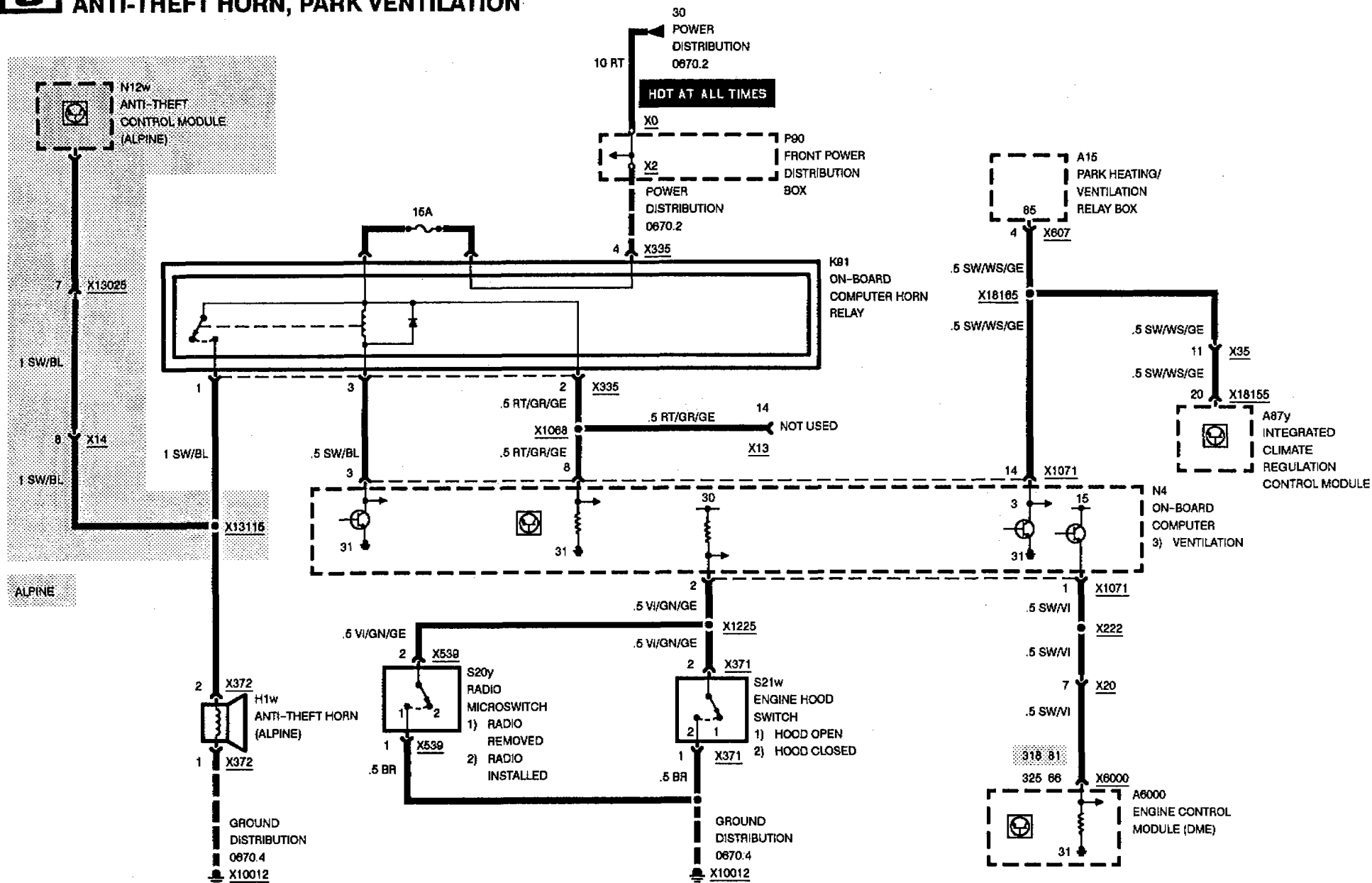


ON-BOARD COMPUTER (BC V)

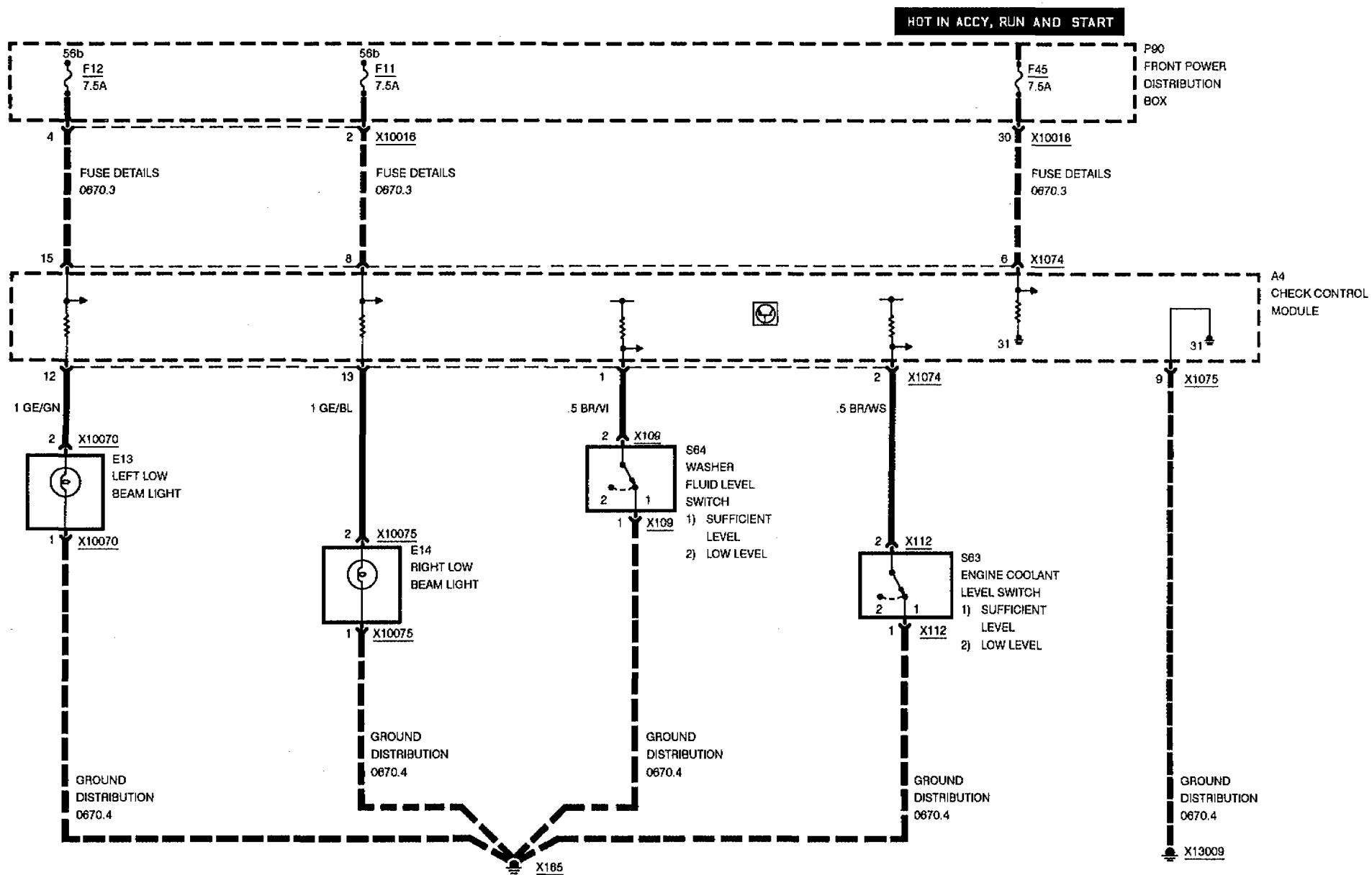
CHIME, BRAKE LIGHT SWITCH

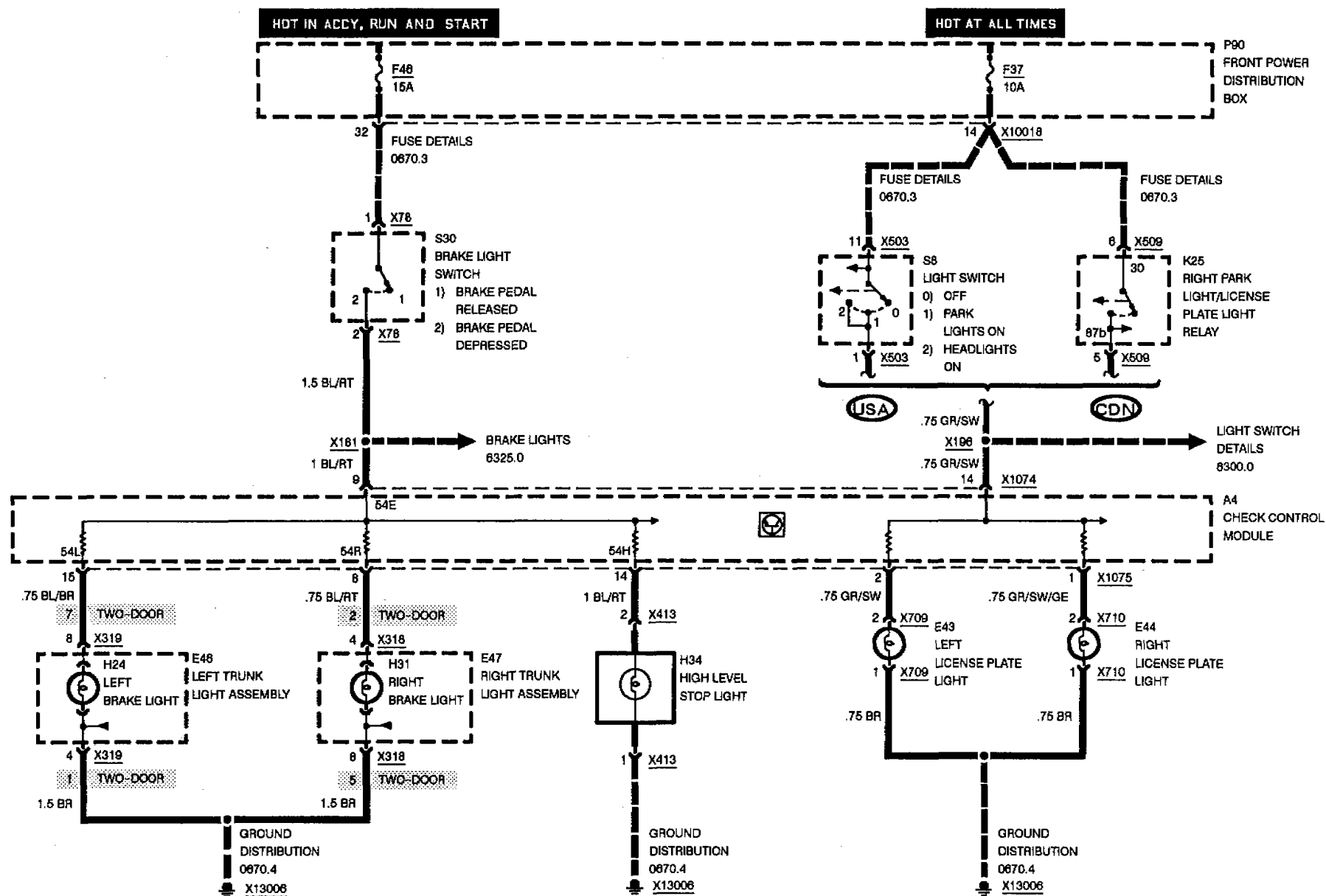


ON-BOARD COMPUTER (BC V) ANTI-THEFT HORN, PARK VENTILATION



ON-BOARD COMPUTER (BC V) CHECK CONTROL









COMPONENT LOCATION CHART

COMPONENT

PAGE - FIGURE
7100.0 8500.0

A2	INSTRUMENT CLUSTER	LH side of dash	01-1
A4	CHECK CONTROL MODULE	Below LH side of dash	00-3
A7	SLIP CONTROL MODULE (ABS)	RH side of dash behind glove box	01-2
A8	CRUISE CONTROL MODULE (TEMPOMAT)	RH side of dash behind glove box	02-1
A12	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	Underside of rear seat LATE PRODUCTION	01-3
A12	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	RH side of dash behind glove box EARLY PRODUCTION	02-1
A15	PARK HEATING/VENTILATION RELAY BOX	Footwell, driver's side	03-3
A18	HIFI AMPLIFIER	In LH forward side of luggage compartment	04-1
A30	CENTRAL LOCKING MODULE	RH side of dash behind glove box	01-2
A35	ON-BOARD DISPLAY	Center of dash	
A51	WIPER/WASHER MODULE	LH side of LH footwell under footrest EARLY PRODUCTION	00-2
A51	WIPER/WASHER MODULE	RH side of dash behind glove box LATE PRODUCTION	
A56	SUNROOF CONTROL ASSEMBLY	Under roof center panel	02-2
A61	DRIVER'S SIDE POWER WINDOW MODULE	In lower LH front door behind trim panel	
A64	WIPER/WASHER MODULE (LOW II)	RH side of dash behind glove box	01-2
A87y	INTEGRATED CLIMATE REGULATION CONTROL MODULE	Center console above	02-3
A961	PASSENGER'S SIDE POWER WINDOW MODULE	In lower RH side of front door behind trim panel	



COMPONENT LOCATION CHART

COMPONENT

PAGE - FIGURE
7100.0 8500.0

A6000	ENGINE CONTROL MODULE (DME)	Rear RH side of engine compartment in E-Box behind trim panel	00-1
A8500	TRANSMISSION CONTROL MODULE (EGS)	Rear RH side of engine compartment in E-Box behind trim panel	00-1
B1	RIGHT FRONT SPEED SENSOR - ABS	On RH front wheel, above brake caliper	27-3
B2	LEFT FRONT SPEED SENSOR - ABS	On LH front wheel, above brake caliper	27-3
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	25-1
B10	VEHICLE SPEED SENSOR	Under rear of car	29-3
B11	LH HEAT EXCHANGER TEMPERATURE SENSOR	Center console	02-3
B12	RH HEAT EXCHANGER TEMPERATURE SENSOR	Center console	02-3
B13	OUTSIDE TEMPERATURE SENSOR	Rear of engine compartment behind RH fresh air cowl	15-3
B14	EVAPORATOR TEMPERATURE SENSOR	RH side of LH footwell LH side of IHKR Plenum	20-2
B16	LEFT FRONT BRAKE PAD SENSOR	On LH front wheel, above brake caliper	27-3
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	10-3
B21	ON-BOARD COMPUTER TEMPERATURE SENSOR	Front RH side of engine compartment	
B400	MICROPHONE	Center of dash	
B6200	HEATED OXYGEN SENSOR	Under center of car (325)	28-2
B6200	HEATED OXYGEN SENSOR	Under center of car (318)	29-1



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B6203	CRANKSHAFT POSITION/RPM SENSOR	Under RH front of car rear of radiator (325)	28-1
B6203	CRANKSHAFT POSITION/RPM SENSOR	Under front of car (318)	28-3
B6204	CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION)	RH front of engine below intake manifold rear of radiator (325)	12-1
B6205	INTAKE AIR TEMPERATURE SENSOR	LH side of engine (near oil level stick) (325)	11-2
B6208	CAMSHAFT ACTUATOR	Front of engine	
B6209	HALL EFFECT CAMSHAFT SENSOR	Front of engine	
B6217	HOT FILM AIR MASS METER	Top front of engine	
B6231	OIL PRESSURE SWITCH	RH front of engine below intake manifold (325)	12-1
B6231	OIL PRESSURE SWITCH	LH side of engine compartment (near oil level stick) (318)	15-1
B6232	ENGINE COOLANT TEMPERATURE SENSOR	RH front of engine below intake manifold (325)	08-2
B6233	VOLUME AIR FLOW SENSOR	LH side of engine compartment right of LH side shock tower (318)	14-3
B6236	ENGINE COOLANT TEMPERATURE SENSOR	RH front of engine below intake manifold (325)	12-1
B6241	CYL. 1-2 KNOCK SENSOR	Top front of engine (318)	
B6242	CYL. 3-4 KNOCK SENSOR	Top front of engine (318)	
B9508	PRESSURE SWITCH	Front RH side of engine compartment near RH headlight assembly	15-2
B6241w	CYL. 1-3 KNOCK SENSOR	Top front of engine (325)	
B6242w	CYL. 4-6 KNOCK SENSOR	Top front of engine (325)	
C1	CAPACITOR	In upper LH C-pillar	
C100	CONTACT RING	Top of steering column	19-2



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C900	SUPPRESSION FILTER	In upper RH C-pillar	06-3
D100	DATA LINK CONNECTOR	Rear RH side of engine compartment front of battery	05-1
E7	LEFT HEADLIGHT	LH side of body rear end	
E8	RIGHT HEADLIGHT	RH side of body rear end	
E9	REAR DEFOGGER I	In upper RH C-pillar	06-3
E10	REAR DEFOGGER/ANTENNA	In rear window	
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	
E20	UNDERHOOD LIGHT	On underside of engine hood	
E25	FRONT ASHTRAY LIGHT	Center console	22-3
E26	LEFT FOG LIGHT	Under LH front bumper	09-1
E27	RIGHT FOG LIGHT	Under RH front bumper	09-1
E28	FRONT CIGAR LIGHTER	Near gearshift lever	
E29	FRONT CIGAR LIGHTER LIGHT	Center console	
E32	TRUNK COMPARTMENT LIGHT	Rear of luggage compartment	
E34	FRONT DOME LIGHT/MAP READING ASSEMBLY	Under roof center panel	02-2



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E35 ... DRIVER'S MAKEUP MIRROR LIGHT	Center of windshield header	
E36 ... PASSENGER'S MAKEUP MIRROR LIGHT	Center of windshield header	
E39 ... LEFT REAR INTERIOR LIGHT	In upper LH C-pillar	08-1
E40 ... RIGHT REAR INTERIOR LIGHT	In upper RH C-pillar	06-3
E42 ... GLOVE BOX LIGHT	LH side of glove box	
E43 ... LEFT LICENSE PLATE LIGHT	Underside of trunk lid, near license plate	27-1
E44 ... RIGHT LICENSE PLATE LIGHT	Underside of trunk lid, near license plate	27-1
E46 ... LEFT TRUNK LIGHT ASSEMBLY	In LH rear side of luggage compartment	26-2
E47 ... RIGHT TRUNK LIGHT ASSEMBLY	In RH rear side of luggage compartment	03-2
E48 ... DOOR LOCK HEATER	LH front door	
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	
E82 ... TRANSMISSION POSITION INDICATOR LIGHT	Center console	
E28y ... REAR ASHTRAY LIGHT	Below center console	22-3
E45y ... CASSETTE BOX LIGHT	Center of dash	
F56 ... AUTOMATIC CUT-OUT	LH side of dash	20-1



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G1	BATTERY	In RH rear side of luggage compartment (325)	
G1	BATTERY	Front RH side of engine compartment (318)	
G5	DRIVER'S AIR BAG GENERATOR	Behind steering wheel	19-2
G6	PASSENGER'S AIR BAG GAS GENERATOR I	RH side of dash	
G6430	B+ JUMP START JUNCTION POINT	Rear RH side of engine compartment back of RH side shock tower	05-1
G6509	GENERATOR	Front LH side of engine compartment	05-2
H2	LEFT HORN	Front of engine compartment	
H3	RIGHT HORN	Front of engine compartment	
H4	RIGHT FRONT TURN LIGHT	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	Front of vehicle	
H8	RIGHT FRONT AUXILIARY TURN LIGHT	Front of vehicle	
H9	LEFT FRONT AUXILIARY TURN LIGHT	Front of vehicle	
H10	CHIME MODULE	Below LH side of dash	
H1w	ANTI-THEFT HORN (ALPINE)	Rear RH side of engine compartment back of RH side shock tower	13-3
H24	LEFT BRAKE LIGHT	LH side of body rear end	
H25	LEFT TAIL LIGHT	LH side of body rear end	
H34	HIGH LEVEL STOP LIGHT	At back of rear window shelf	
H38	TELEPHONE TRANSCEIVER	In LH forward side of luggage compartment	04-1



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H41 ...	LEFT FRONT SPEAKER	In lower LH A-pillar	
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	Under rear window shelf	
H46 ...	LEFT REAR SPEAKER	Under rear window shelf	
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	
K1	STARTER RELAY	Below LH side of dash	19-1
K2	HORN RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K4	BLOWER RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K9	UNLOADER RELAY, TERMINAL 15	Below LH side of dash	19-1
K10 ...	ABS RELAY	Rear LH side of engine compartment in Power Distribution Box	09-3



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K11 ... WIPER RELAY	Below LH side of dash	19-1
K13 ... REAR DEFOGGER RELAY	Rear LH side of engine compartment in Power Distribution Box	09-3
K16 ... HAZARD FLASHER RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K19 ... COMPRESSOR CONTROL RELAY	Rear LH side of engine compartment in Power Distribution Box	09-3
K21 ... NORMAL SPEED RELAY	Rear LH side of engine compartment in Power Distribution Box	10-2
K22 ... HIGH SPEED RELAY	Rear LH side of engine compartment in Power Distribution Box	10-2
K25 ... RIGHT PARK LIGHT/LICENSE PLATE LIGHT RELAY	RH side of dash behind glove box	
K26 ... LEFT PARK LIGHT RELAY	RH side of dash behind glove box	
K46 ... HIGH BEAM LIGHT RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K47 ... FRONT FOG LIGHT RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K48 ... LOW BEAM LIGHT RELAY	Rear LH side of engine compartment in Power Distribution Box	10-1
K53 ... WIPER MOTOR RELAY	Below LH side of dash	19-1
K75 ... ABS PUMP MOTOR RELAY	Rear LH side of engine compartment in Power Distribution Box	09-3
K78 ... COMFORT RELAY	Below LH side of dash	
K91 ... ON-BOARD COMPUTER HORN RELAY	RH side of dash behind glove box	
K6300 ... ENGINE CONTROL MODULE RELAY	Rear LH side of engine compartment in Power Distribution Box	09-3
K6301 ... CYL. 1-6 FUEL PUMP RELAY	Rear LH side of engine compartment in Power Distribution Box (325)	09-3
K6303 ... OXYGEN SENSOR RELAY	In Front Power Distribution Box	
K6301w FUEL PUMP RELAY	Rear LH side of engine compartment in Front Power Distribution Box (318)	



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M2 ...	FUEL PUMP	Below RH side of rear seat	24-3
M3 ...	WIPER MOTOR	Rear of engine compartment below center of cowl	14-1
M4 ...	WASHER PUMP	Front RH side of engine compartment on washer fluid reservoir	12-2
M5 ...	INTENSIVE WASH PUMP	Front RH side of engine compartment	
M7 ...	HEADLIGHT/FOG LIGHT WASHER PUMP	Front RH side of engine compartment on washer fluid reservoir	12-3
M9 ...	AUXILIARY FAN MOTOR	Behind front grille behind trim panel	
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	
M14 ...	RIGHT REAR DOOR LOCK MOTOR	In lower RH rear door behind trim panel	
M15 ...	LEFT REAR DOOR LOCK MOTOR	In lower LH rear door behind trim panel	
M16 ...	GAS FILLER LOCK MOTOR	In RH rear side of luggage compartment	03-2
M17 ...	TRUNK LOCK MOTOR	Rear side of luggage compartment	
M20 ...	LEFT REAR WINDOW MOTOR	In lower LH rear door behind trim panel	
M22 ...	RIGHT REAR WINDOW MOTOR	In lower RH rear door behind door panel	
M23 ...	PASSENGER'S WINDOW MOTOR	RH front door behind door panel	17-2
M24 ...	SUNROOF MOTOR	Center of windshield header	
M25 ...	CRUISE CONTROL ACTUATOR (TEMPOMAT)	Front LH side of engine compartment	09-2
M30 ...	BLOWER MOTOR	Rear of engine compartment behind RH fresh air cowl	15-3
M34 ...	DASH VENT MIXING FLAP MOTOR	Below LH side of dash RH side of steering column	20-3
M36 ...	FRESH AIR FLAP MOTOR	Below RH side of dash center console right	23-1



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M40 ...	RECIRCULATION FLAP MOTOR	Below LH side of dash RH side of steering column	20-3
M50 ...	DRIVER'S SEAT CUSHION TILT MOTOR	Under LH front seat	
M51 ...	DRIVER'S SEAT MOVEMENT MOTOR	Under LH front seat	
M52 ...	DRIVER'S SEAT HEIGHT MOTOR	Under LH front seat	
M53 ...	DRIVER'S SEATBACK RECLINER MOTOR ...	Under LH front seat	
M58 ...	PASSENGER'S SEATBACK RECLINER MOTOR	Under RH front seat	
M59 ...	PASSENGER'S SEAT HEIGHT MOTOR	Under RH front seat	
M60 ...	PASSENGER'S SEAT MOVEMENT MOTOR ..	Under RH front seat	
M61 ...	PASSENGER'S SEAT CUSHION TILT MOTOR	Under RH front seat	
M55z ..	DRIVER'S SEAT LUMBAR SUPPORT MOTOR/VALVE	Under LH front seat	
M6510 .	STARTER	Rear LH side of engine compartment	
N3	DIMMER	LH side of dash top of steering column	03-3
N4	ON-BOARD COMPUTER	Center console	03-1
N6	HEADLIGHT/FOGLIGHT CLEANING MODULE (SRA)	Footwell, driver's side	03-3
N8	ANTENNA AMPLIFIER AM/FM	In upper LH C-pillar	08-1
N9	RADIO	Center console	
N10 ...	MULTI-FUNCTION CLOCK	Center console	
N17 ...	CRASH CONTROL MODULE	Footwell, driver's side	03-3
N21 ...	TWIN RELAY MODULE	Footwell, driver's side	03-3



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N22 ...	CD CHANGER	In RH side of luggage compartment	03-2
N12w ..	ANTI-THEFT CONTROL MODULE (ALPINE)	RH side of dash behind glove box	02-1
P90 ...	FRONT POWER DISTRIBUTION BOX	Rear LH side of engine compartment	05-3
R1	MIXING ACTUATOR	Center console	21-2
R11 ...	BLOWER RESISTORS	Behind center of dashboard LH side of IHKR Plenum	23-2
R6252 .	THROTTLE POSITION SENSOR	LH side of engine (near oil level stick) (325)	11-2
R6252 .	THROTTLE POSITION SENSOR	LH side of engine (318)	14-2
S2	IGNITION SWITCH	LH side of dash top of steering column	19-3
S3	AUTOMATIC TRANSMISSION RANGE SWITCH	Center console near gearshift lever	22-2
S4	HORN SWITCH	Top of steering column	19-2
S5	WIPER/WASHER SWITCH	LH side of dash RH side of steering column above	
S7	COMBINATION SWITCH	LH side of steering column	20-1
S8	LIGHT SWITCH	LH side of dash	
S10 ...	FOG LIGHT SWITCH	LH side of dash	
S13 ...	PASSENGER'S DOOR JAMB SWITCH	Rear RH door pillar (with ZVM)	25-2
S14 ...	DRIVER'S DOOR JAMB SWITCH	LH rear door jamb (with ZVM)	25-2
S15 ...	REAR RIGHT DOOR JAMB SWITCH	In lower RH C-pillar	25-2
S16 ...	LEFT REAR DOOR JAMB SWITCH	In lower LH C-pillar	25-2
S17 ...	MIRROR CONTROL SWITCH	In upper LH front door	
S18 ...	HAZARD SWITCH	Center console near gearshift lever	22-2



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S19 ...	UNDERHOOD LIGHT SWITCH	Near RH headlight assembly	
S27 ...	INERTIA SWITCH	In lower RH A-pillar	
S28 ...	CRUISE CONTROL SWITCH	LH side of dash RH side of steering column above	19-3
S29 ...	BRAKE LIGHT SWITCH	LH footwell on brake pedal support bracket behind LH footwell trim	18-2
S30 ...	BRAKE LIGHT SWITCH	LH footwell on brake pedal support bracket behind LH footwell trim	18-3
S31 ...	PARK BRAKE SWITCH	Center console on rear of park brake lever	22-3
S32 ...	CLUTCH SWITCH	LH footwell on clutch pedal support bracket behind LH footwell trim	18-2
S36 ...	TEMPERATURE SWITCH	Front RH side of engine compartment RH top of radiator	15-2
S37 ...	GLOVE BOX LIGHT SWITCH	RH side of dash behind glove box right	23-3
S41 ...	LEFT REAR WINDOW SWITCH	In lower LH rear door behind trim panel	
S42 ...	RIGHT REAR WINDOW SWITCH	In lower RH rear door behind trim panel	
S47 ...	DRIVER'S DOOR LOCK SWITCH	LH front door in door at key lock assembly	16-3
S48 ...	DRIVER'S DOOR HANDLE SWITCH	LH front door in door at key lock assembly	16-3
S49 ...	PASSENGER'S DOOR LOCK SWITCH	RH front door in door at key lock assembly	
S51 ...	DRIVER'S SEAT, SEAT CONTROL SWITCH	LH side of driver's seat	
S53 ...	DRIVER'S SEAT, SEAT HEATER SWITCH	Center console near gearshift lever	21-3
S54 ...	PASSENGER'S SEAT, SEAT HEATER SWITCH	Center console near gearshift lever	03-1
S56 ...	PASSENGER'S SEAT, SEAT CONTROL SWITCH	Under RH front seat	
S58 ...	DRIVER'S SEAT BELT SWITCH	In LH front seat belt buckle	
S63 ...	ENGINE COOLANT LEVEL SWITCH	Front RH side of engine compartment	



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S64 ...	WASHER FLUID LEVEL SWITCH	Front RH side of engine compartment on washer fluid reservoir	12-2
S71 ...	LEFT FRONT IMPACT SENSOR	LH side of engine compartment EARLY PRODUCTION	
S72 ...	RIGHT FRONT IMPACT SENSOR	Front RH side of engine compartment EARLY PRODUCTION	12-3
S75 ...	BLOWER SWITCH	Center of dash under the control modules	
S77 ...	DRIVER'S MAKEUP MIRROR SWITCH	Above LH sun visor	
S78 ...	PASSENGER'S MAKEUP MIRROR SWITCH	Above RH sun visor	
S82 ...	REAR FOG LIGHT SWITCH	LH side of dash	
S123 ..	ABS PEDAL TRAVEL SENSOR	Rear LH side of engine compartment near brake fluid reservoir	10-3
S130 ..	CHILD PROTECTION CONTROL (CONSOLE)	Center console	
S179 ..	DRIVER'S WINDOW RETRACTION DOOR HANDLE CONTACT SWITCH	LH front door in door at key lock assembly	
S180 ..	PASSENGER'S WINDOW RETRACTION DOOR HANDLE CONTACT SWITCH	RH front door in door at key lock assembly	
S198 ..	JET HEATER THERMOSWITCH	Front LH side of engine compartment	
S20y ..	RADIO MICROSWITCH	Center of dash	
S21w ..	ENGINE HOOD SWITCH	Rear RH side of engine compartment back of RH side shock tower	13-3
S61y ..	TRUNK LIGHT SWITCH	Underside of trunk lid left	26-3
S126y ..	DRIVER'S POWER WINDOW SWITCH	Center console near gearshift lever	22-1
S127y ..	PASSENGER'S POWER WINDOW SWITCH	Center console near gearshift lever	22-1



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S128y	LH REAR DOOR (CONSOLE) POWER WINDOW SWITCH	Center console	
S129y	RH REAR DOOR (CONSOLE) POWER WINDOW SWITCH	Center console	
S134y	IHKR CONTROL PANEL	Center of dash	
S8503	PROGRAM SWITCH	Center console	
S8507	KICK-DOWN SWITCH	LH footwell	
S8511	REVERSING LIGHT SWITCH	Under front of car LH side of transmission	
T6151	CYL. 1 IGNITION COIL	Top RH side of engine (325)	13-1
T6152	CYL. 2 IGNITION COIL	Top RH side of engine (325)	13-1
T6153	CYL. 3 IGNITION COIL	Top RH side of engine (325)	13-1
T6154	CYL. 4 IGNITION COIL	Top RH side of engine (325)	13-1
T6155	CYL. 5 IGNITION COIL	Top RH side of engine (325)	13-1
T6156	CYL. 6 IGNITION COIL	Top RH side of engine (325)	13-1
U4	TELEPHONE HANDSET	Below front of console	
V4	DAYTIME RUNNING LIGHTS CODING DIODE	LH side of dash	
X0	B+ JUNCTION POINT	Rear LH side of engine compartment	05-3
X2	BATTERY B+ START POINT	Rear LH side of engine compartment	05-3
X3	B+ JUNCTION POINT	Rear LH side of engine compartment	05-3
X9	B+ JUNCTION POINT	Rear LH side of engine compartment	05-3



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X11 ... CONNECTOR (55-PINS, BLACK)	Behind glove box RH side of dash	01-2	00-1
X13 ... CONNECTOR (30-PINS, BLACK)	LH side of LH footwell under footrest	00-2	00-4
X14 ... CONNECTOR (30-PINS, WHITE)	Behind LH footwell trim left	00-2	00-4
X16 ... CONNECTOR (26-PINS, WHITE)	LH side of dash rear of A2 instrument cluster	01-1	00-2
X17 ... CONNECTOR (26-PINS, BLUE)	LH side of dash rear of A2 instrument cluster	01-1	00-2
X20 ... CONNECTOR (25-PINS, BLACK)	Rear LH side of engine compartment	10-3	06-2
X22 ... CONNECTOR (26-PINS, BLUE)	RH side of dash behind glove box	02-1	00-2
X31 ... CONNECTOR (12-PINS, BLACK)	Rear LH side of engine compartment back of LH side shock tower	11-1	02-2
X32 ... CONNECTOR (12-PINS, WHITE)	LH footwell underside of steering column	18-1	09-1
X33 ... CONNECTOR (12-PINS, BLACK)	LH footwell underside of steering column behind LH footwell trim	18-3	03-5
X35 ... CONNECTOR (12-PINS, WHITE)	Below LH side of dash RH side of steering column		02-2
X43 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X44 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X45 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X51 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X52 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X53 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X54 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X55 ... CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X56 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6



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X58 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	04-6
X61 ... CONNECTOR (9-PINS, BLACK)	Below LH side of dash	04-6
X63 ... CONNECTOR (9-PINS, BLACK)	Below LH side of dash	04-6
X64 ... CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment	04-6
X65 ... CONNECTOR (9-PINS, BLACK)	Below LH side of dash	04-6
X69 ... CONNECTOR (25-PINS, BLACK)	Rear LH side of engine compartment	10-3 06-3
X70 ... CONNECTOR (8-PINS, BLACK)	Front LH side of engine compartment	09-2 02-4
X72 ... CONNECTOR (8-PINS, WHITE)	LH footwell underside of steering column behind LH footwell trim	18-3 04-5
X74 ... CONNECTOR (30-PINS, ORANGE)	Underside of rear seat LATE PRODUCTION	01-3 02-5
X74 ... CONNECTOR (12-PINS, WHITE)	RH side of dash behind glove box EARLY PRODUCTION	02-1 01-3
X75 ... CONNECTOR (12-PINS, BLUE)	RH side of dash behind glove box EARLY PRODUCTION	01-3
X78 ... CONNECTOR (4-PINS, BLACK)	LH footwell on brake pedal support bracket behind LH footwell trim	18-3 04-3
X81 ... CONNECTOR (3-PINS, ORANGE)	LH side of engine compartment	03-4
X82 ... CONNECTOR (3-PINS, BLACK)	Front of engine compartment on auxiliary fan	08-2
X86 ... CONNECTOR (3-PINS, ORANGE)	Front RH side of engine compartment on washer fluid reservoir	12-3 03-4
X87 ... CONNECTOR (3-PINS, BLACK)	Front RH side of engine compartment RH top of radiator	15-2 08-2
X99 ... CONNECTOR (9-PINS, BLACK)	Below LH side of dash WIPER MOTOR RELAY, K53	04-6
X105 .. CONNECTOR (2-PINS, GRAY)	On underside of engine hood	
X106 .. CONNECTOR (2-PINS, GRAY)	On underside of engine hood	
X107 .. CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment on washer fluid reservoir	12-2



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X109	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment on washer fluid reservoir	12-2	
X110	CONNECTOR (2-PINS, GRAY)	Rear RH side of engine compartment back of RH side shock tower	13-3	
X111	CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment near brake master cylinder top of brake fluid reservoir	10-3	
X112	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment RH top of radiator		
X113	CONNECTOR (2-PINS, GRAY)	Above RH front wheel well behind RH front wheel	27-2	
X114	CONNECTOR (2-PINS, GRAY)	Above LH front wheel well behind LH front wheel	27-2	
X116	CONNECTOR (2-PINS, BLACK)	LH footwell on clutch pedal support bracket behind LH footwell trim	18-2	
X118	CONNECTOR (2-PINS, BLACK)	Above LH front wheel well behind LH front wheel	27-2	
X121	CONNECTOR (2-PINS, WHITE)	LH footwell underside of steering column	18-2	
X123	CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment on washer fluid reservoir	12-3	
X128	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment		
X132	CONNECTOR (2-PINS, BLACK)	Front of engine compartment		
X133	CONNECTOR (2-PINS, BLACK)	Front of engine compartment		
X137	CONNECTOR (2-PINS, BLACK)	Front LH side of engine compartment		
X142	CONNECTOR (3-PINS, GRAY)	Under rear of car LH side of on differential	29-2	03-2
X143	CONNECTOR (3-PINS, GRAY)	Under rear of car LH side of on differential	29-3	03-2
X161	CONNECTOR (1-PINS, WHITE)	Near RH headlight assembly		
X163	CONNECTOR (3-PINS, BLACK)	Front RH side of engine compartment on washer fluid reservoir near RH headlight assembly	12-2	03-2



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X165 .. GROUND	Front LH side of engine compartment	06-1	
X173 .. GROUND	Below LH side of dash	07-3	
X256 .. CONNECTOR (26-PINS, BLACK)	Ahead of RH front door in lower RH A-pillar	17-2	05-1
X257 .. CONNECTOR (26-PINS, BLACK)	Ahead of LH front door in lower LH A-pillar	16-2	05-1
X271 .. CONNECTOR (12-PINS, BLACK)	LH side of dash rear of A2 instrument cluster	01-1	01-3
X272 .. CONNECTOR (2-PINS, BLACK)	Under roof center panel	21-1	
X273 .. CONNECTOR (12-PINS, BLACK)	In lower LH B-pillar	25-3	01-2
X274 .. CONNECTOR (12-PINS, BLACK)	In lower RH B-pillar	25-3	01-2
X275 .. CONNECTOR (4-PINS, WHITE)	Under LH front seat under carpet	26-1	04-3
X279 .. CONNECTOR (4-PINS, WHITE)	Under RH front seat	24-2	04-3
X285 .. CONNECTOR (15-PINS, BLUE)	Behind glove box RH side of dash	01-2	00-3
X292 .. CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		04-6
X295 .. CONNECTOR (8-PINS, BLACK)	LH footwell underside of steering column behind LH footwell trim	18-3	04-5
X304 .. CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X311 .. CONNECTOR (3-PINS, BLACK)	Underside of trunk lid left	26-3	05-6
X312 .. CONNECTOR (2-PINS, BLACK)	In RH rear side of luggage compartment behind RH rear light assembly	03-2	
X315 .. CONNECTOR (2-PINS, BLACK)	Underside of trunk lid left	26-3	
X316 .. CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	22-1	09-2
X317 .. CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	22-2	09-2
X318 .. CONNECTOR (8-PINS, BLACK)	In RH rear side of luggage compartment behind RH rear light assembly	03-2	02-1



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X319 .. CONNECTOR (8-PINS, BLACK)	In LH rear side of luggage compartment behind LH rear light assembly	26-2	02-1
X320 .. CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	22-2	09-2
X322 .. CONNECTOR (6-PINS, BLACK)	LH footwell	18-1	07-4
X324 .. CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	22-1	09-2
X333 .. CONNECTOR (4-PINS, BLACK)	Rear of engine compartment below center of cowl	14-1	09-3
X335 .. CONNECTOR (4-PINS, BLACK)	RH side of dash behind glove box		01-6
X336 .. CONNECTOR (6-PINS, WHITE)	Under roof center panel	02-2	10-6
X353 .. CONNECTOR (2-PINS, BLACK)	In lower RH C-pillar		
X354 .. CONNECTOR (2-PINS, BLACK)	In lower LH C-pillar		
X355 .. CONNECTOR (2-PINS, BLACK)	In upper RH C-pillar	06-3	
X356 .. CONNECTOR (2-PINS, BLACK)	In upper LH C-pillar	08-1	
X371 .. CONNECTOR (2-PINS, BLACK)	Rear RH side of engine compartment back of RH side shock tower	13-3	
X372 .. CONNECTOR (2-PINS, GRAY)	Rear RH side of engine compartment back of RH side shock tower	13-3	
X379 .. CONNECTOR (1-PINS, NATURAL)	In upper LH C-pillar	08-1	
X380 .. CONNECTOR (1-PINS, NATURAL)	In upper RH C-pillar	06-3	
X381 .. CONNECTOR (3-PINS, BLACK)	Under roof center panel	21-1	01-1
X382 .. CONNECTOR (3-PINS, BLACK)	Above RH sun visor	02-2	01-1
X383 .. CONNECTOR (2-PINS, BLACK)	Under rear of car LH side of on differential	29-3	
X386 .. CONNECTOR (1-PINS, BLACK)	Center console REAR ASHTRAY LIGHT, E28y		
X388 .. CONNECTOR (2-PINS, BLACK)	In lower RH A-pillar		



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X389	.. CONNECTOR (2-PINS, GRAY)	Rear LH side of engine compartment		
X390	.. CONNECTOR (2-PINS, BLACK)	RH side of dash behind glove box	24-1	
X401	.. CONNECTOR (1-PINS, BLACK)	Above LH sun visor	21-1	
X402	.. CONNECTOR (1-PINS, BLACK)	Above RH sun visor	02-2	
X413	.. CONNECTOR (2-PINS, BLACK)	At back of rear window shelf		
X423	.. CONNECTOR (1-PINS, NATURAL)	Below center console on rear of park brake lever		
X424	.. CONNECTOR (1-PINS, BROWN)	In upper LH C-pillar	08-1	
X494	.. GROUND	Center console	07-2	
X495	.. GROUND	Behind RH footwell trim	07-1	
X498	.. GROUND	Center console	07-2	
X503	.. CONNECTOR (12-PINS, WHITE)	Below LH side of dash		02-2
X504	.. CONNECTOR (4-PINS, WHITE)	Center console		03-6
X509	.. CONNECTOR (9-PINS, BLACK)	RH side of dash behind glove box		04-6
X510	.. CONNECTOR (9-PINS, BLACK)	RH side of dash behind glove box		04-6
X511	.. CONNECTOR (8-PINS, BLACK)	Center console near gearshift lever	22-2	02-1
X516	.. CONNECTOR (5-PINS, BLACK)	Center console near gearshift lever	22-2	04-2
X517	.. CONNECTOR (4-PINS, BLACK)	Below LH side of dash		04-3
X518	.. CONNECTOR (4-PINS, BLACK)	LH footwell	18-1	04-3
X522	.. CONNECTOR (3-PINS, WHITE)	LH footwell	18-1	05-6
X523	.. CONNECTOR (3-PINS, NATURAL)	LH side of dash		05-6



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X531	CONNECTOR (1-PINS, BLACK)	Center console near gearshift lever	21-3	
X532	CONNECTOR (2-PINS, BLACK)	Center console near gearshift lever	21-3	
X537	CONNECTOR (2-PINS, BLACK)	In upper LH front door behind door panel	16-1	
X538	CONNECTOR (2-PINS, BLACK)	RH front door behind door panel	17-2	
X539	CONNECTOR (2-PINS, BLACK)	Center console		
X540	CONNECTOR (2-PINS, BLACK)	RH side of dash behind glove box right	23-3	
X541	CONNECTOR (1-PINS, WHITE)	RH side of dash behind glove box above	23-3	
X542	CONNECTOR (2-PINS, BLACK)	RH side of dash behind glove box left	23-3	
X603	CONNECTOR (6-PINS, (---))	Center console		06-1
X604	CONNECTOR (6-PINS, (---))	Center console		06-1
X605	CONNECTOR (12-PINS, BLACK)	In LH forward side of luggage compartment	04-1	03-1
X606	CONNECTOR (12-PINS, WHITE)	In LH forward side of luggage compartment EARLY PRODUCTION	04-1	03-1
X606	CONNECTOR (26-PINS, BLACK)	In LH forward side of luggage compartment LATE PRODUCTION		00-2
X607	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X623	CONNECTOR (4-PINS, BLACK)	In upper LH front door behind door panel	16-1	09-6
X624	CONNECTOR (4-PINS, BLACK)	In upper RH front door behind door panel	17-2	09-6
X625	CONNECTOR (6-PINS, WHITE)	LH front door	16-1	06-1
X638	CONNECTOR (2-PINS, BLACK)	Below RH side of rear seat	24-3	
X641	CONNECTOR (6-PINS, BLACK)	RH front door behind door panel	17-3	10-3
X644	CONNECTOR (6-PINS, BLACK)	In lower LH rear door		07-3

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X645 ..	CONNECTOR (6-PINS, BLUE)	In lower LH rear door	10-4
X646 ..	CONNECTOR (6-PINS, BLACK)	In lower RH rear door behind trim panel	07-3
X647 ..	CONNECTOR (6-PINS, BLUE)	In lower RH rear door behind trim panel	10-4
X651 ..	CONNECTOR (6-PINS, YELLOW)	Center console near gearshift lever	21-3 06-4
X658 ..	CONNECTOR (6-PINS, YELLOW)	Center console near gearshift lever	03-1 06-4
X660 ..	CONNECTOR (6-PINS, BLACK)	LH front door in door at key lock assembly	16-3 07-3
X662 ..	CONNECTOR (6-PINS, GRAY)	Below RH side of dash center console right	23-1 05-5
X663 ..	CONNECTOR (6-PINS, GRAY)	Below RH side of dash	05-5
X669 ..	CONNECTOR (6-PINS, GRAY)	Below LH side of dash RH side of steering column	20-3 05-5
X679 ..	CONNECTOR (2-PINS, WHITE)	Below RH side of rear seat	24-3
X692 ..	CONNECTOR (3-PINS, BLACK)	Center console	21-2 02-3
X700 ..	CONNECTOR (1-PINS, NATURAL)	Behind RH footwell speaker grille	
X701 ..	CONNECTOR (1-PINS, NATURAL)	Behind LH footwell kickpanel	
X706 ..	CONNECTOR (2-PINS, BLACK)	Center console	22-3
X709 ..	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid, near license plate	27-1
X710 ..	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid, near license plate	27-1
X711 ..	CONNECTOR (1-PINS, NATURAL)	Underside of trunk lid left	26-3
X712 ..	CONNECTOR (1-PINS, NATURAL)	Underside of trunk lid left	
X713 ..	CONNECTOR (2-PINS, BLACK)	Under rear of car LH side of on differential	29-3
X714 ..	CONNECTOR (2-PINS, GRAY)	In lower LH rear door behind trim panel	



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X720 .. CONNECTOR (2-PINS, GRAY)	In lower RH rear door behind trim panel		
X726 .. CONNECTOR (2-PINS, (---))	Under LH front seat		
X727 .. CONNECTOR (2-PINS, (---))	Under LH front seat		
X728 .. CONNECTOR (2-PINS, (---))	Under LH front seat		
X729 .. CONNECTOR (2-PINS, (---))	Under LH front seat		
X732 .. CONNECTOR (4-PINS, BLACK)	Under LH front seat under carpet	26-1	04-3
X733 .. CONNECTOR (4-PINS, BLACK)	Under LH front seat under carpet	26-1	04-3
X734 .. CONNECTOR (2-PINS, (---))	Under RH front seat		
X735 .. CONNECTOR (2-PINS, (---))	Under RH front seat		
X736 .. CONNECTOR (2-PINS, (---))	Under RH front seat		
X737 .. CONNECTOR (2-PINS, (---))	Under RH front seat		
X740 .. CONNECTOR (4-PINS, BLACK)	Under RH front seat	24-2	04-3
X741 .. CONNECTOR (4-PINS, BLACK)	Under RH front seat	24-2	04-3
X742 .. CONNECTOR (2-PINS, YELLOW)	RH front door in door at key lock assembly		
X744 .. CONNECTOR (2-PINS, GRAY)	RH front door behind door panel	17-2	
X746 .. CONNECTOR (2-PINS, BLACK)	RH front door behind door panel	17-2	
X747 .. CONNECTOR (2-PINS, YELLOW)	LH front door in door at key lock assembly	17-1	
X751 .. CONNECTOR (2-PINS, WHITE)	LH front door in door at key lock assembly	17-1	
X752 .. CONNECTOR (2-PINS, GRAY)	LH front door in door at key lock assembly	17-1	
X753 .. CONNECTOR (2-PINS, BLACK)	LH front door	16-1	



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X768	CONNECTOR (2-PINS, WHITE)	In the engine compartment near LH headlight assembly	09-1	
X769	CONNECTOR (2-PINS, WHITE)	In the engine compartment near RH headlight assembly	09-1	
X770	CONNECTOR (2-PINS, YELLOW)	In the engine compartment near LH headlight assembly	06-1	
X771	CONNECTOR (2-PINS, BLACK)	RH side of LH footwell LH side of IHKR Plenum	20-2	
X772	CONNECTOR (2-PINS, WHITE)	Center console	02-3	
X773	CONNECTOR (2-PINS, WHITE)	Center console	02-3	
X774	CONNECTOR (1-PINS, GRAY)	Rear of engine compartment behind RH fresh air cowl		
X778	CONNECTOR (2-PINS, BLACK)	In LH front seat belt buckle		
X779	CHARGING SOCKET	RH side of dash behind glove box left	23-3	
X783	CONNECTOR (2-PINS, ORANGE)	Underside of steering column		
X784	CONNECTOR (12-PINS, BLUE)	RH side of dash behind glove box		01-3
X786	CONNECTOR (2-PINS, BLACK)	UNDERHOOD LIGHT, E20		
X816	CONNECTOR (2-PINS, BLACK)	Rear of engine compartment behind RH fresh air cowl		
X817	CONNECTOR (1-PINS, BLACK)	Rear of engine compartment behind RH fresh air cowl		
X904	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard LH side of IHKR Plenum	23-2	04-3
X905	CONNECTOR (5-PINS, BLACK)	Behind center of dashboard		08-3
X998	CONNECTOR (4-PINS, BLACK)	Below center console		03-6
X999	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard RH side of IHKR Plenum		04-3
X1001	CONNECTOR (4-PINS, BLACK)	RIGHT REAR SPEAKER, H45		04-3



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X1002 . CONNECTOR (4-PINS, (---))	LEFT REAR SPEAKER, H46		04-3
X1014 . CONNECTOR (1-PINS, BLACK)	Center console near gearshift lever	21-3	
X1070 . CONNECTOR (18-PINS, BLACK)	Center console	21-2	01-5
X1071 . CONNECTOR (18-PINS, WHITE)	Center console	21-2	01-5
X1074 . CONNECTOR (15-PINS, WHITE)	Below LH side of dash	00-3	00-3
X1075 . CONNECTOR (15-PINS, BLACK)	Below LH side of dash	00-3	00-3
X1082 . CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X1161 . CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		04-6
X1162 . CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment near brake fluid reservoir	10-3	
X1165 . GROUND	Below LH side of dash	07-3	
X1166 . GROUND	Behind RH footwell trim	07-1	
X1178 . CONNECTOR (2-PINS, WHITE)	Center console LH side of gearshift selector		
X1181 . CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X1193 . CONNECTOR (2-PINS, BLACK)	Center console RH side of gearshift selector		
X1213 . CONNECTOR (2-PINS, BLACK)	Center console	22-3	
X1241 . CONNECTOR (2-PINS, WHITE)	Below LH side of rear seat	25-1	
X1242 . CONNECTOR (26-PINS, BLACK)	LH side of LH footwell under footrest	00-2	00-2
X1243 . CONNECTOR (6-PINS, BLACK)	Center console near gearshift lever	22-1	09-2
X1245 . CONNECTOR (1-PINS, BLACK)	Above LH sun visor	21-1	
X1246 . CONNECTOR (1-PINS, BLACK)	Above RH sun visor	02-2	

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X1260 .	CONNECTOR (2-PINS, (---))	LEFT REAR SPEAKER, H46		
X1261 .	CONNECTOR (2-PINS, (---))	RIGHT REAR SPEAKER, H45		
X1285 .	CONNECTOR (1-PINS, (---))	In upper LH C-pillar	CAPACITOR, C1	
X1380 .	CONNECTOR (1-PINS, NATURAL)	Behind RH footwell speaker grille		
X1381 .	CONNECTOR (1-PINS, NATURAL)	Behind LH footwell kickpanel		
X1426 .	CONNECTOR (9-PINS, BROWN)	Rear RH side of engine compartment In E-Box		04-6
X6000 .	CONNECTOR (88-PINS, BLACK)	Rear RH side of engine compartment In E-Box	00-1	08-1
X6002 .	CONNECTOR (20-PINS, BLACK)	Rear RH side of engine compartment back of RH side shock tower	05-1	05-4
X6101 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (318)		
X6101 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6102 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (318)		
X6102 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6103 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (318)		
X6103 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6104 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (318)		
X6104 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6105 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6106 .	CONNECTOR (2-PINS, BLACK)	Top center of engine (325)		
X6120 .	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment right of LH side shock tower (325)	11-3	
X6120 .	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment right of LH side shock tower (318)	14-3	



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X6130	CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (325)	08-2
X6130	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment (near oil level stick) (318)	15-1
X6131	CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment	
X6151	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6152	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6153	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6154	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6155	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6156	CONNECTOR (3-PINS, GRAY)	Top RH side of engine	09-5
X6200	CONNECTOR (4-PINS, BLACK)	Under center of car (325)	28-2 04-4
X6200	CONNECTOR (4-PINS, BLACK)	Under front of car on RH side of transmission (318)	29-1 04-4
X6203	CONNECTOR (3-PINS, BLACK)	Front of engine below intake manifold	05-2 09-4
X6204	CONNECTOR (3-PINS, BLACK)	Front of engine below intake manifold	05-2 09-4
X6205	CONNECTOR (2-PINS, BLACK)	LH side of engine (near oil level stick) (325)	11-2
X6208	CONNECTOR (2-PINS, BLACK)	Front of engine CAMSHAFT ACTUATOR, B6208	
X6209	CONNECTOR (3-PINS, BLACK)	Front of engine HALL EFFECT CAMSHAFT SENSOR, B6209	09-4
X6217	CONNECTOR (4-PINS, BLACK)	Top front of engine	
X6231	CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (near oil level stick) (325)	12-1
X6231	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment (near oil level stick) (318)	15-1
X6232	CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (325)	08-2



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X6233 . CONNECTOR (7-PINS, BLACK)	LH side of engine compartment right of LH side shock tower (318)	14-3	05-3
X6236 . CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (325)	12-1	
X6241 . CONNECTOR (2-PINS, BLACK)	LH side of engine		
X6242 . CONNECTOR (2-PINS, BLACK)	LH side of engine		
X6252 . CONNECTOR (2-PINS, BLACK)	LH side of engine (near oil level stick) (325)	11-2	
X6252 . CONNECTOR (3-PINS, BLACK)	LH side of engine (318)	14-2	09-4
X6300 . CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		04-6
X6301 . CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		04-6
X6303 . CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		
X6454 . GROUND	Rear RH side of engine compartment	06-2	
X6456 . GROUND	RH front of engine (325)	08-2	
X6509 . CABLE SOCKET ALTERNATOR B+	Front LH side of engine compartment below	05-2	
X6510 . CABLE SOCKET STARTER TERMINAL 50	Rear LH side of engine compartment below intake manifold		
X6511 . CABLE SOCKET ALTERNATOR 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 below		
X8500 . CONNECTOR (55-PINS, BLACK)	Rear RH side of engine compartment in E-Box	00-1	00-1
X8503 . CONNECTOR (10-PINS, WHITE)	Center console RH side of gearshift selector	22-1	03-3
X8507 . CONNECTOR (1-PINS, BLACK)	Below LH side of dash		
X8511 . CONNECTOR (1-PINS, BLACK)	Under front of car LH side of transmission		



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X8516	CONNECTOR (2-PINS, BLACK)	Under center of car above	
X8521	CONNECTOR (9-PINS, BLACK)	Under center of car above	10-1
X8524	CONNECTOR (1-PINS, BLACK)	Under front of car LH side of transmission	
X9744	CONNECTOR (6-PINS, BLACK)	In lower RH side of front door behind trim panel	10-3
X9749	CONNECTOR (6-PINS, BLACK)	In lower LH front door behind trim panel	10-3
X9997	CONNECTOR (2-PINS, ORANGE)	Behind steering wheel	19-2
X10010	GROUND	Behind RH footwell trim	07-1
X10012	GROUND	Behind RH footwell trim	07-1
X10013	CONNECTOR (1-PINS, (---))	Top of steering column	
X10015	CONNECTOR (20-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90	
X10016	CONNECTOR (20-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90	
X10017	CONNECTOR (20-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90	
X10018	CONNECTOR (32-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90	
X10026	CONNECTOR (6-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90	



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X10030	CONNECTOR (5-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90		
X10031	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		04-6
X10033	CONNECTOR (1-PINS, BLACK)	LH side of dash	20-1	
X10034	CONNECTOR (2-PINS, (---))	Power Distribution Box rear LH side of engine compartment		
X10035	CONNECTOR (2-PINS, (---))	Power Distribution Box rear LH side of engine compartment		
X10036	CONNECTOR (2-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90		
X10054	CONNECTOR (12-PINS, BLACK)	Below LH side of dash RH side of steering column	20-3	03-5
X10065	CONNECTOR (2-PINS, WHITE)	LH side of LH footwell under footrest		
X10070	CONNECTOR (2-PINS, GRAY)	Near LH headlight assembly		
X10071	CONNECTOR (2-PINS, BLACK)	Near LH headlight assembly		
X10074	CONNECTOR (2-PINS, BLACK)	Near LH headlight assembly		
X10075	CONNECTOR (2-PINS, GRAY)	Near RH headlight assembly		
X13004	GROUND	In upper RH rear seatback	06-3	
X13006	GROUND	In upper LH rear seatback	08-1	
X13009	GROUND	Behind RH footwell trim	07-1	
X13012	CONNECTOR (26-PINS, WHITE)	Behind glove box RH side of dash	24-1	00-2
X13013	CONNECTOR (5-PINS, BLACK)	Behind glove box RH side of dash	01-2	01-4
X13014	CONNECTOR (4-PINS, BLACK)	Behind glove box RH side of dash	24-1	01-6



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X13016	GROUND	Below LH side of dash	07-3	
X13025	CONNECTOR (12-PINS, BLACK)	RH side of dash behind glove box	02-1	03-5
X13026	CONNECTOR (1-PINS, BLACK)	LH side of dash	20-1	
X18080	CONNECTOR (1-PINS, (---))	In luggage compartment		
X18126	CONNECTOR (17-PINS, BLACK)	Center console behind radio		02-6
X18154	CONNECTOR (26-PINS, BLUE)	Center console		00-2
X18155	CONNECTOR (26-PINS, WHITE)	Center console	21-2	00-2
X18156	CONNECTOR (26-PINS, BLACK)	Center console	21-2	00-2
X18157	CONNECTOR (26-PINS, BLUE)	Center console	02-3	00-2
X18180	CONNECTOR (3-PINS, WHITE)	In RH side of luggage compartment	03-2	10-5
X18196	CONNECTOR (10-PINS, BLACK)	LEFT FRONT HIGH RANGE SPEAKER, H59		
X18198	CONNECTOR (10-PINS, BLACK)	RIGHT FRONT HIGH RANGE SPEAKER, H50		
X18277	CONNECTOR (2-PINS, BLACK)	LH front door in door at key lock assembly		
X18278	CONNECTOR (2-PINS, BLACK)	RH front door in door at key lock assembly		
X18279	CONNECTOR (3-PINS, BLACK)	In lower LH front door behind trim panel		
X18280	CONNECTOR (3-PINS, BLACK)	In lower RH side of front door behind trim panel		
X18295	CONNECTOR (2-PINS, YELLOW)	In lower RH B-pillar behind trim panel		
X18296	CONNECTOR (2-PINS, YELLOW)	In lower LH B-pillar behind trim panel		
X18500	CONNECTOR (25-PINS, (---))	In LH forward side of luggage compartment	04-1	07-2
X18507	CONNECTOR (2-PINS, (---))	Center console		



COMPONENT LOCATION CHART

COMPONENT

PAGE - FIGURE
7100.0 8500.0

X18509	CONNECTOR (8-PINS, (---))	Center console	
X18515	CONNECTOR (2-PINS, (---))	Center console	
X18520	CONNECTOR (10-PINS, (---))	Center console RADIO, N9	03-3
X18521	CONNECTOR (10-PINS, (---))	In LH forward side of luggage compartment CD CHANGER, N22	07-1
X18723	GROUND	Below LH side of dash	
X18741	CONNECTOR (4-PINS, (---))	Center of dash MICROPHONE, B400	09-6
Y1	ABS HYDRAULIC UNIT	Rear LH side of engine compartment back of LH side shock tower	11-1
Y2	AIR CONDITIONING COMPRESSOR	Front of engine	
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 RH side of gearshift selector	
Y6101	CYL. 1 FUEL INJECTION VALVE	Top center of engine (325)	13-2
Y6101	CYL. 1 FUEL INJECTION VALVE	Top center of engine (318)	
Y6102	CYL. 2 FUEL INJECTION VALVE	Top center of engine (325)	13-2
Y6102	CYL. 2 FUEL INJECTION VALVE	Top center of engine (318)	
Y6103	CYL. 3 FUEL INJECTION VALVE	Top center of engine (325)	13-2
Y6103	CYL. 3 FUEL INJECTION VALVE	Top center of engine (318)	
Y6104	CYL. 4 FUEL INJECTION VALVE	Top center of engine (325)	13-2
Y6104	CYL. 4 FUEL INJECTION VALVE	Top center of engine (318)	
Y6105	CYL. 5 FUEL INJECTION VALVE	Top center of engine (325)	13-2



COMPONENT LOCATION CHART

COMPONENT

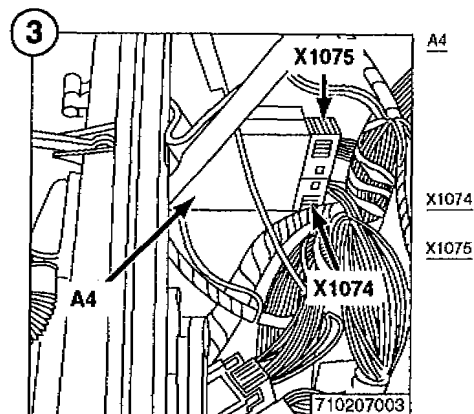
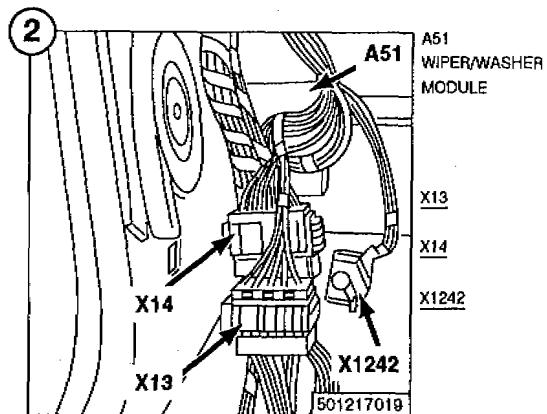
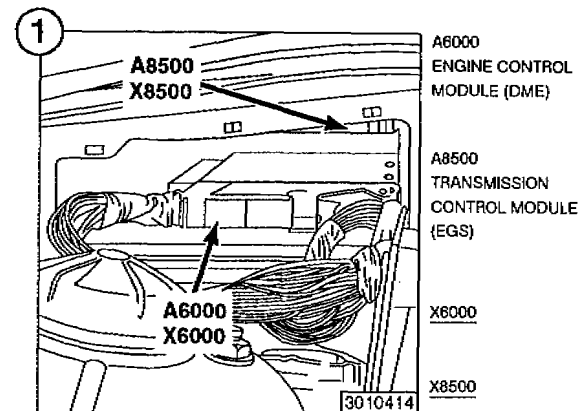
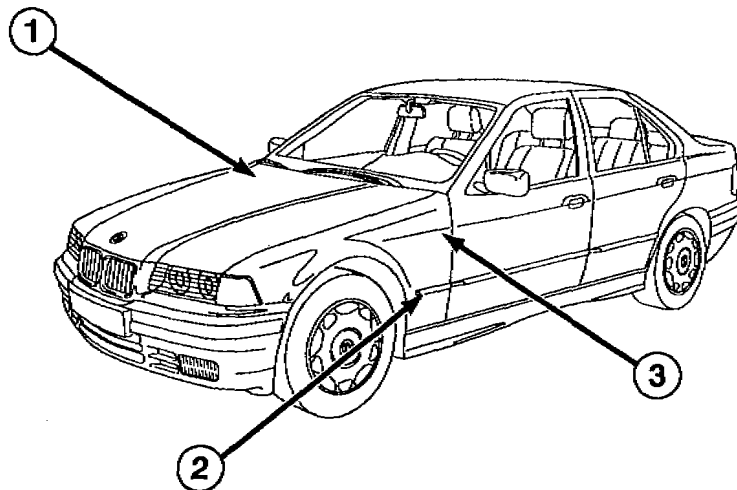
PAGE - FIGURE
7100.0 8500.0

Y6106	CYL. 6 FUEL INJECTION VALVE	Top center of engine (325)	13-2
Y6120	EVAPORATIVE EMISSION VALVE	Front LH side of engine compartment right of LH side shock tower (325)	11-3
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment right of LH side shock tower (318)	14-3
Y6130	IDLE SPEED CONTROL VALVE	RH front of engine below intake manifold (325)	08-2
Y6130	IDLE SPEED CONTROL VALVE	LH side of engine compartment (near oil level stick) (318)	15-1
Y6131	INTAKE AIR RESONANCE CHANGEOVER VALVE	Rear LH side of engine compartment	



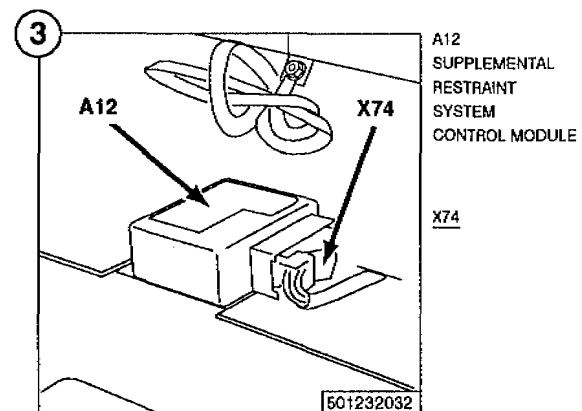
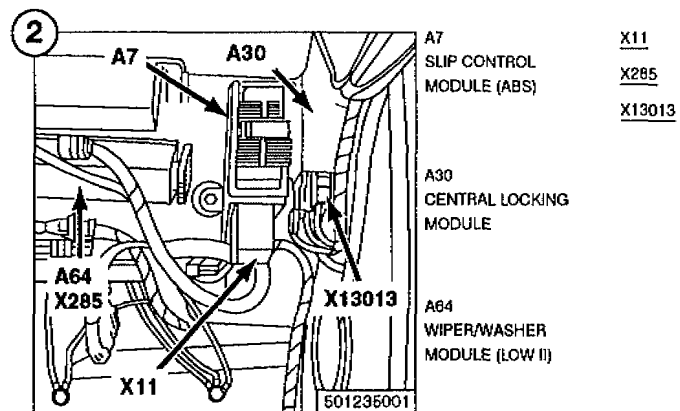
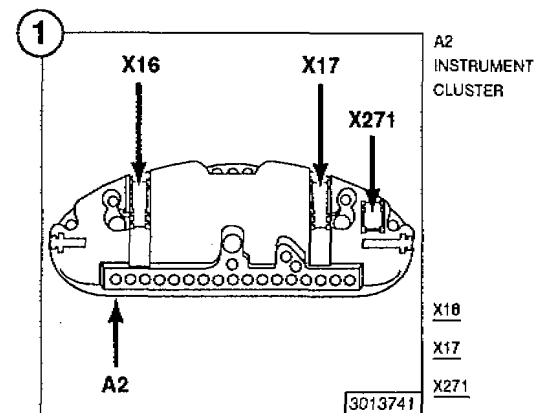
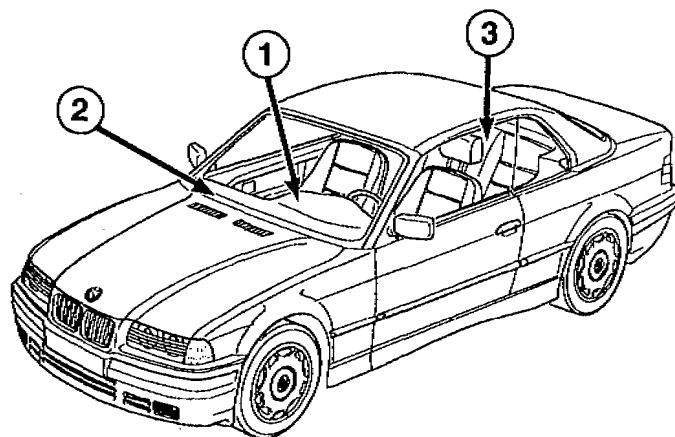
COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS



COMPONENT LOCATION VIEWS

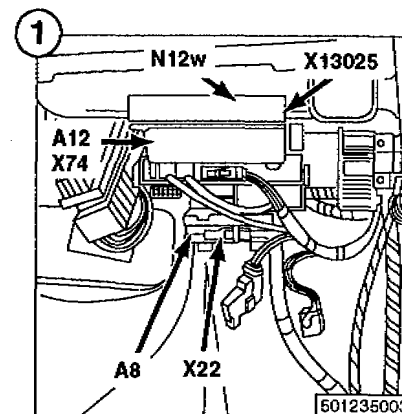
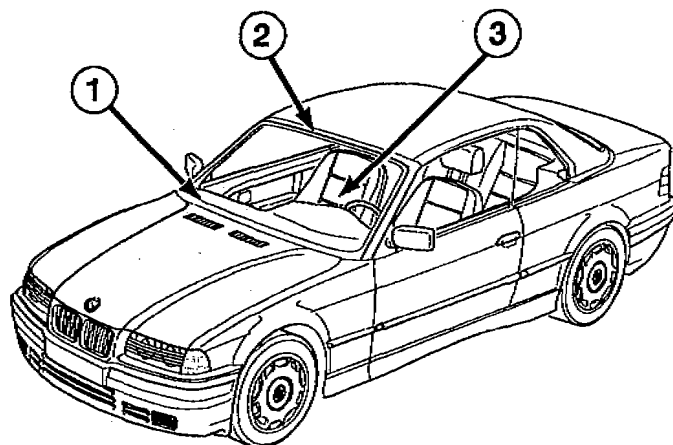
ELECTRICAL CONTROL MODULE LOCATIONS



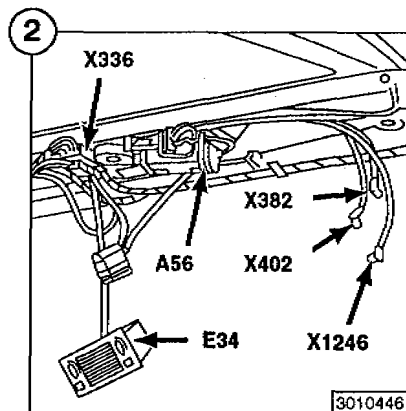


COMPONENT LOCATION VIEWS

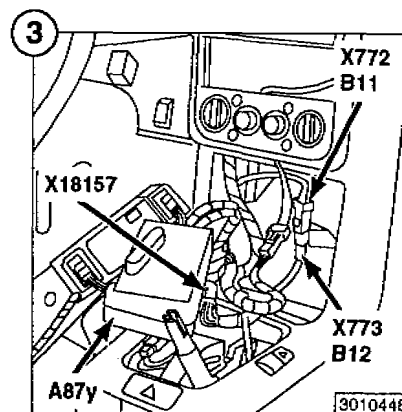
ELECTRICAL CONTROL MODULE LOCATIONS



A8 CRUISE CONTROL MODULE (TEMPOMAT) X22 X74 X13025
A12 SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE
N12w ANTI-THEFT CONTROL MODULE (ALPINE)



A56 SUNROOF CONTROL ASSEMBLY
E34 FRONT DOME LIGHT/ MAP READING ASSEMBLY
X336
X382
X402
X1246

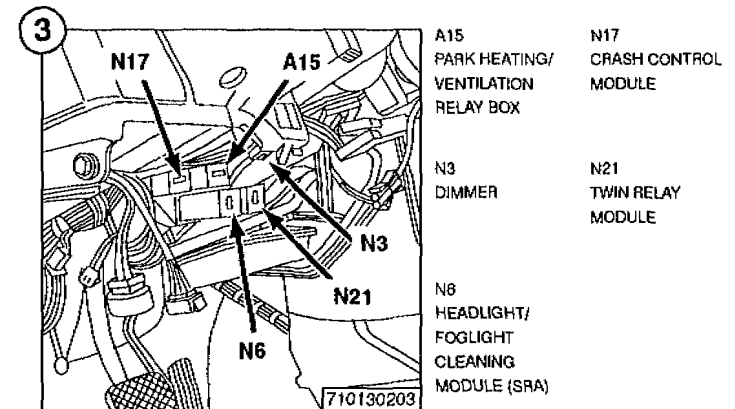
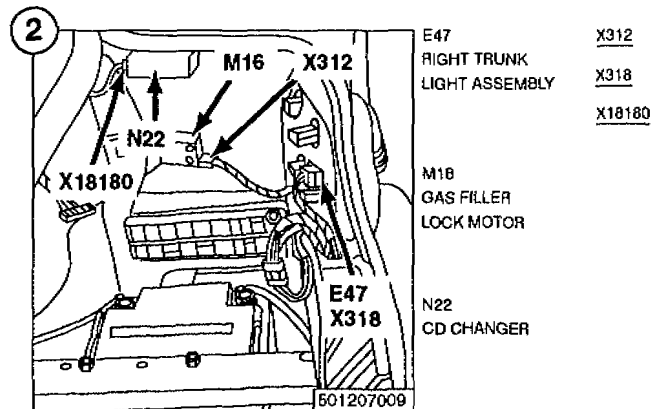
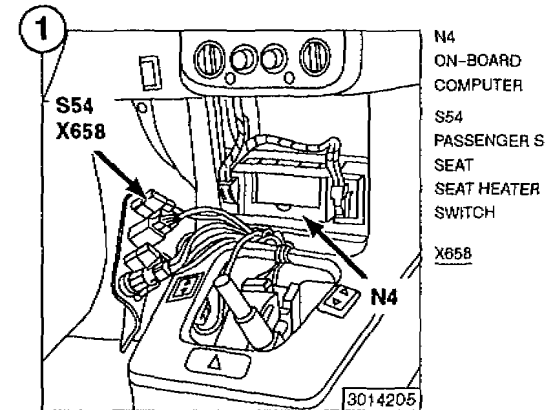
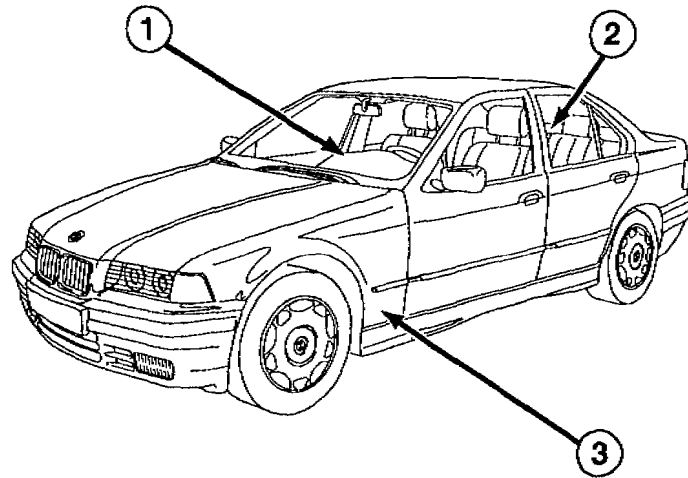


A87y INTEGRATED CLIMATE REGULATION CONTROL MODULE X772 X773 X18157
B11 LH HEAT EXCHANGER TEMPERATURE SENSOR
B12 RH HEAT EXCHANGER TEMPERATURE SENSOR



COMPONENT LOCATION VIEWS

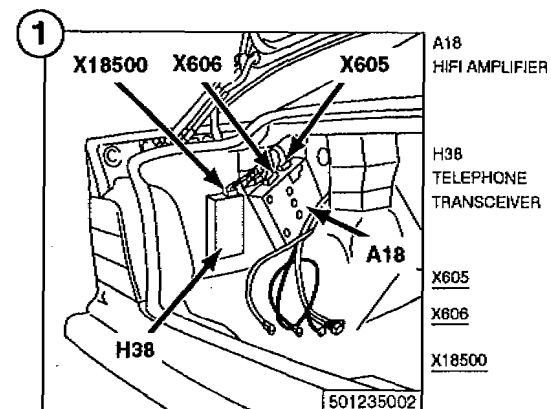
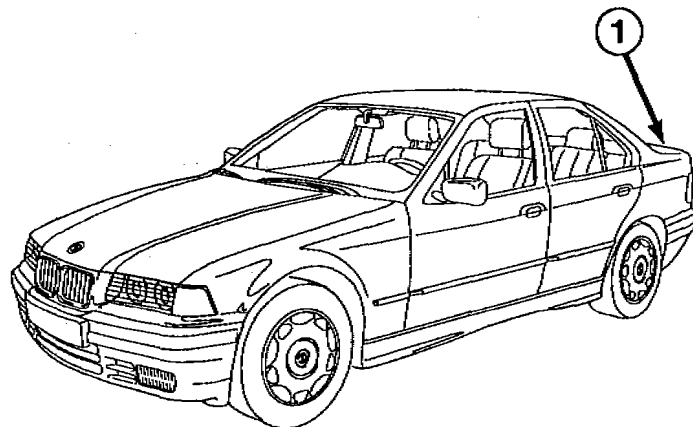
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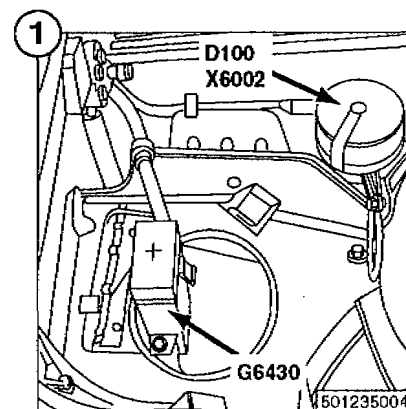
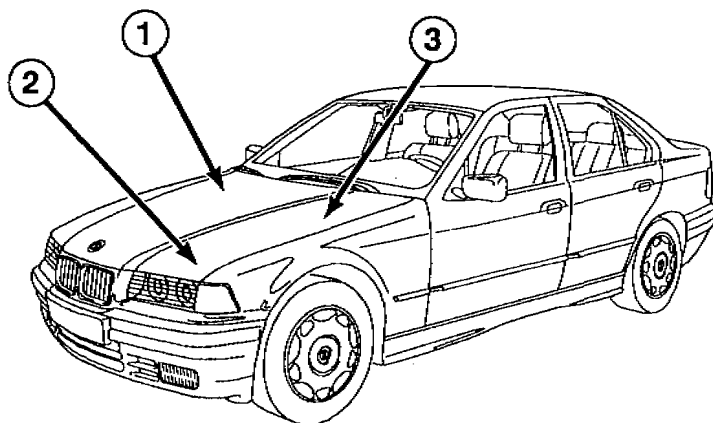
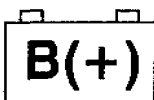




COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS

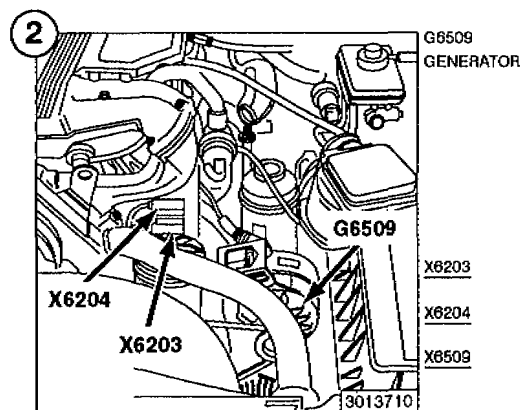




D100
DATA LINK
CONNECTOR

G6430
B+
JUMP START
JUNCTION POINT

X6002



G6509
GENERATOR

X6203

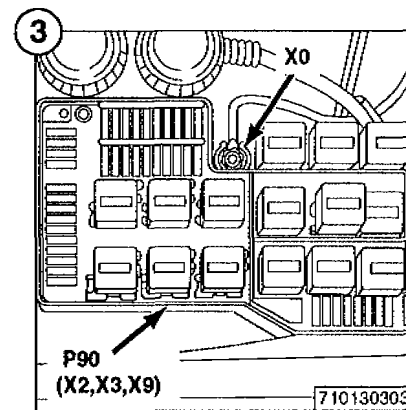
X6204

G6509

X6203

X6204

3013710



P90
FRONT POWER
DISTRIBUTION
BOX

X0
B+
JUNCTION POINT

X3
B+
JUNCTION POINT

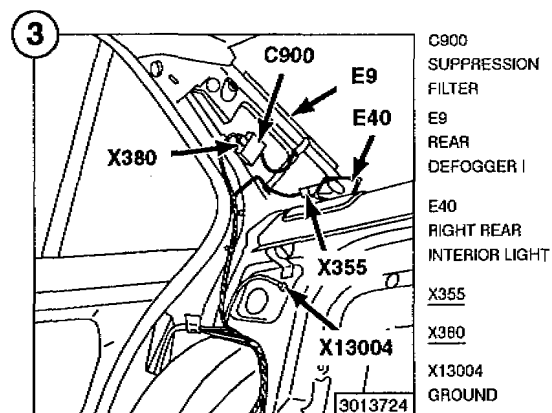
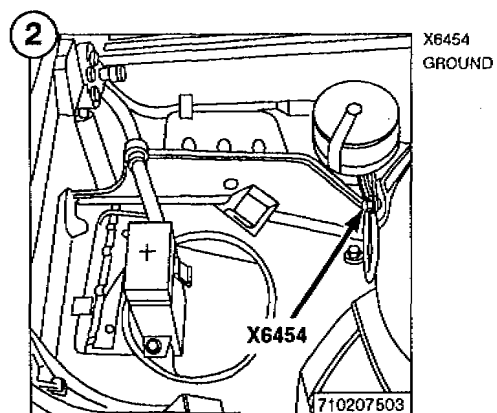
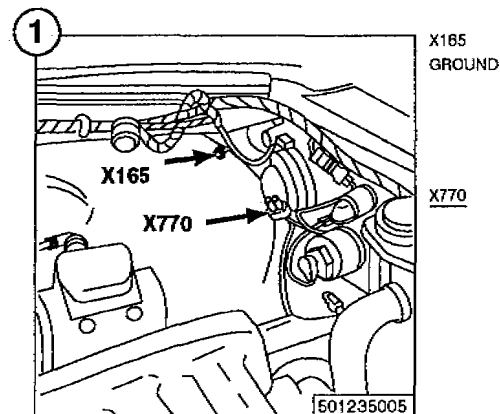
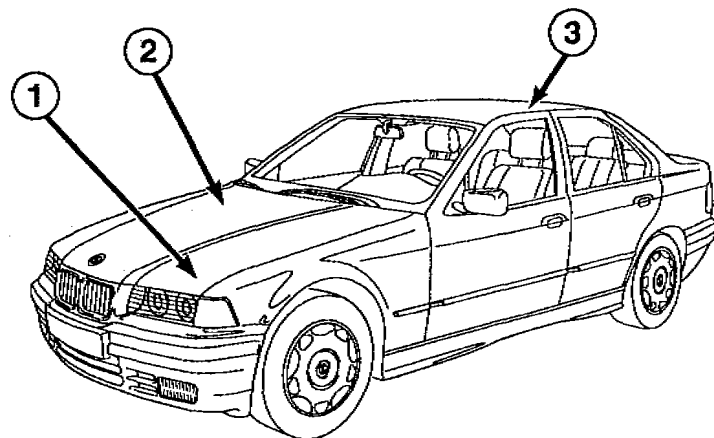
X9
B+
JUNCTION POINT

X2
BATTERY
B+ START POINT

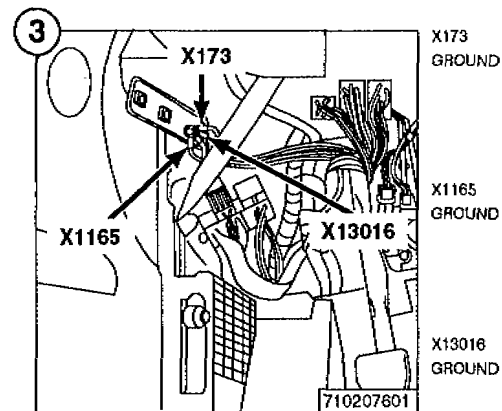
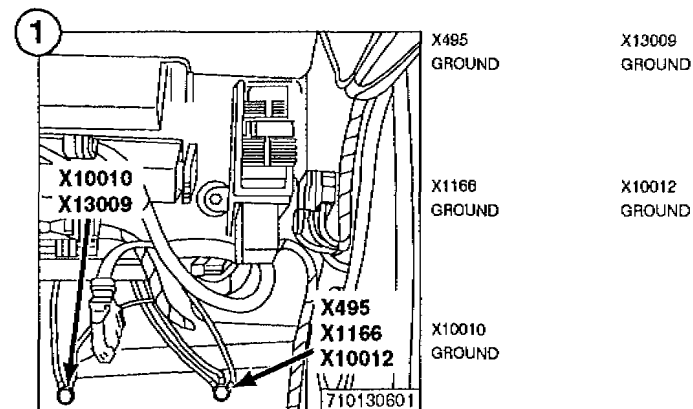
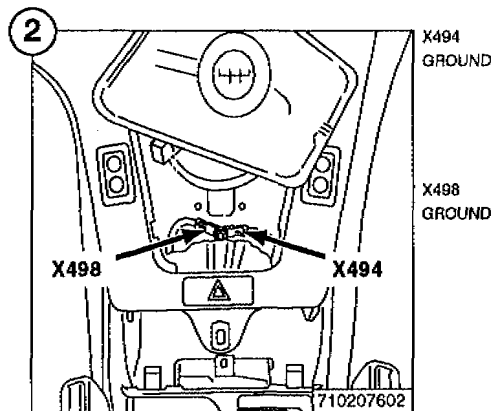
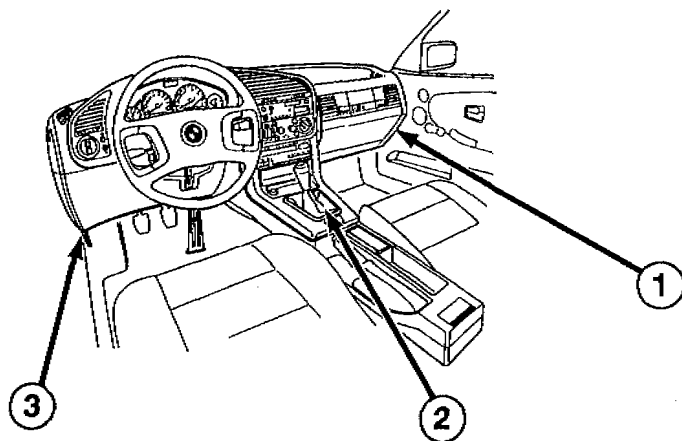
P90
(X2,X3,X9)

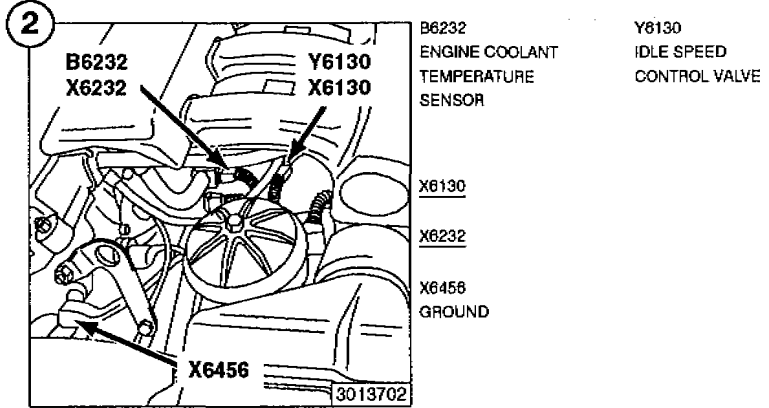
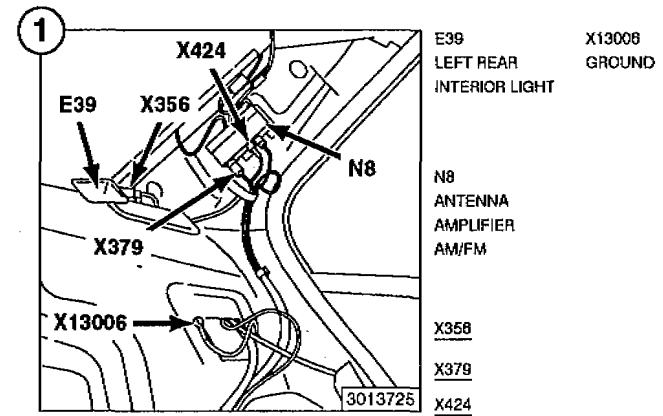
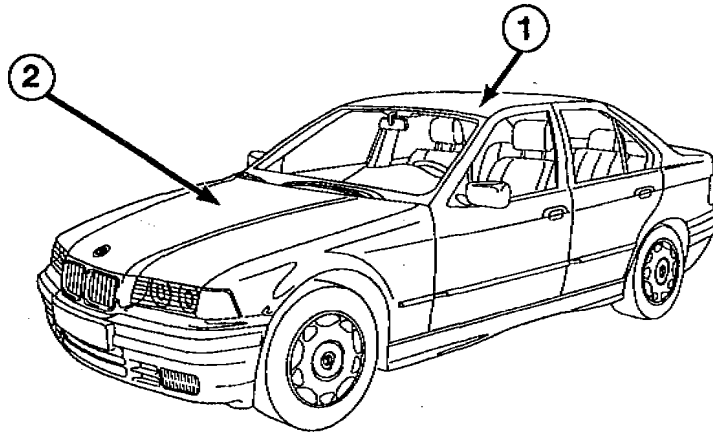
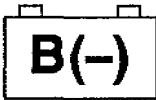
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B(-)

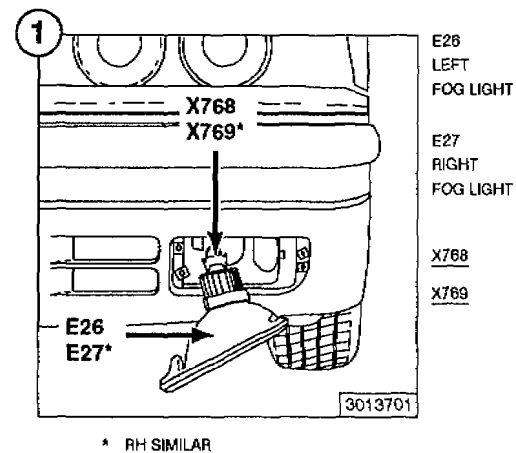
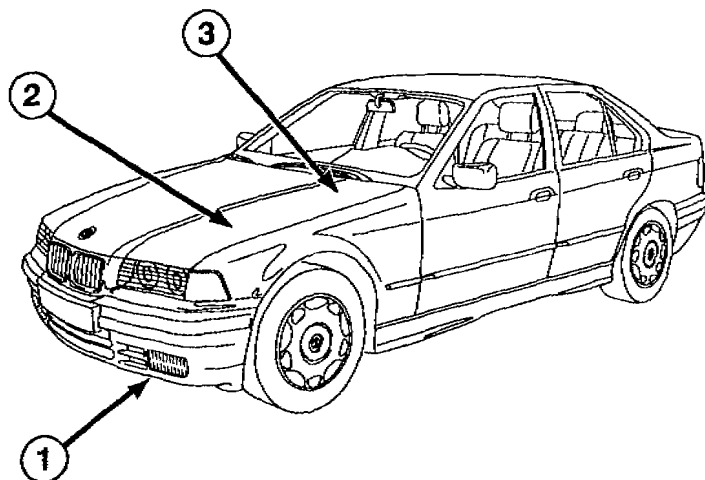


B(-)





325

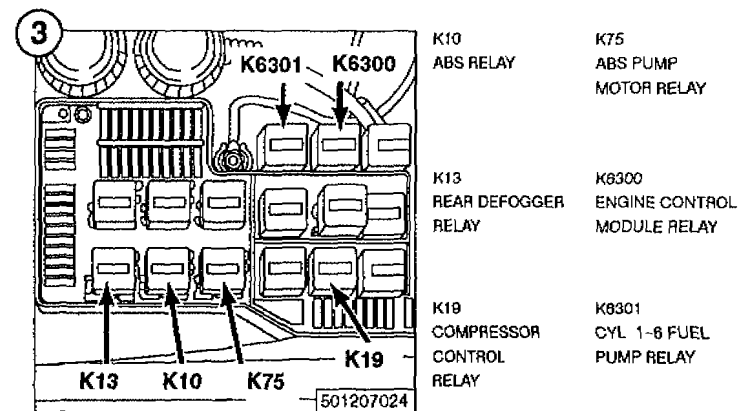
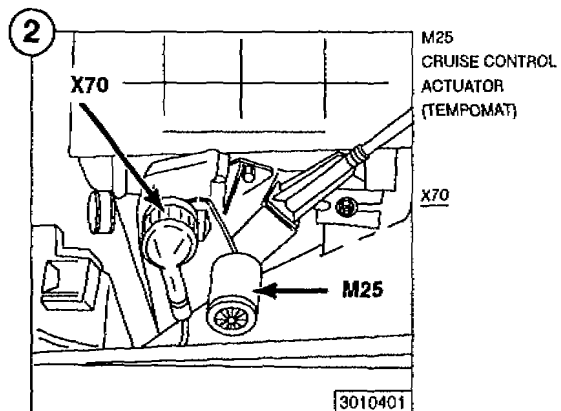


E26
LEFT
FOG LIGHT

E27
RIGHT
FOG LIGHT

X768

X769



K10
ABS RELAY

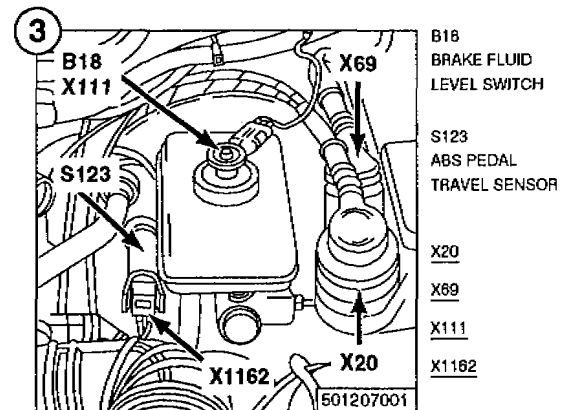
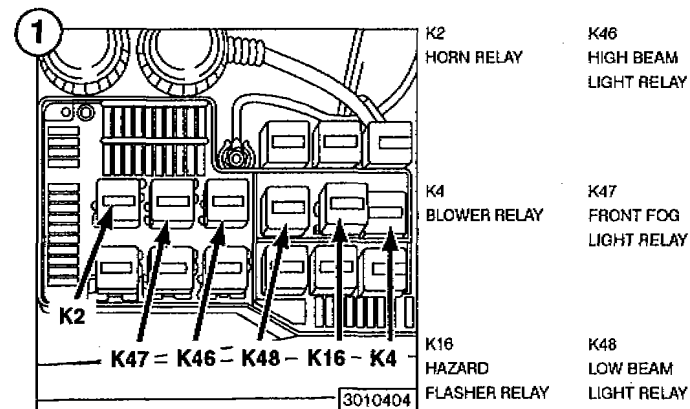
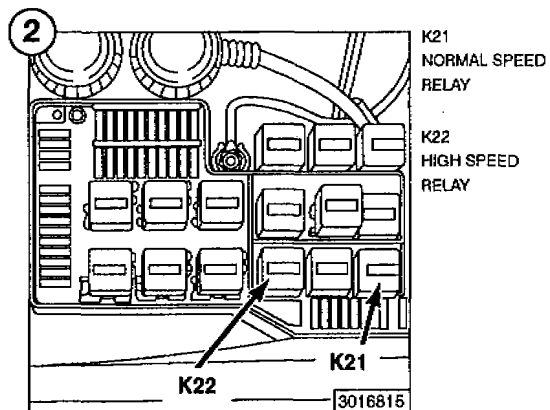
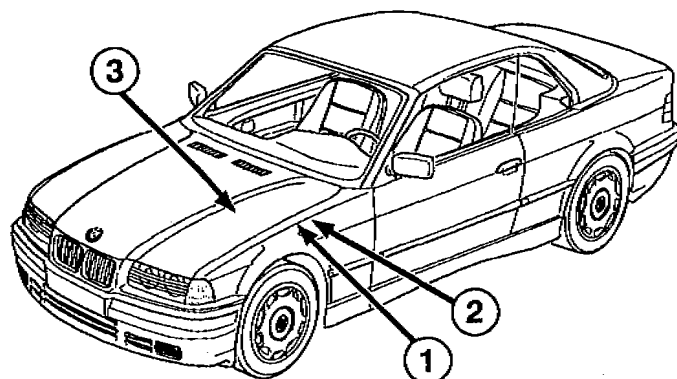
K75
ABS PUMP
MOTOR RELAY

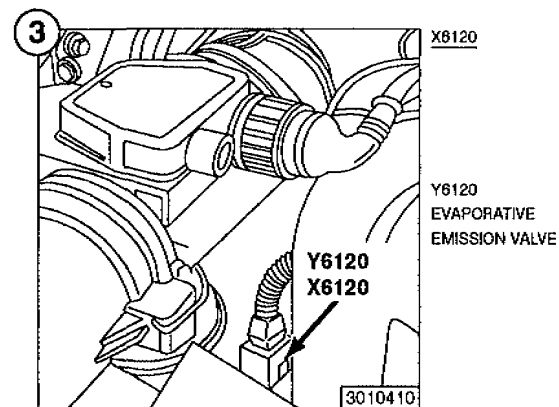
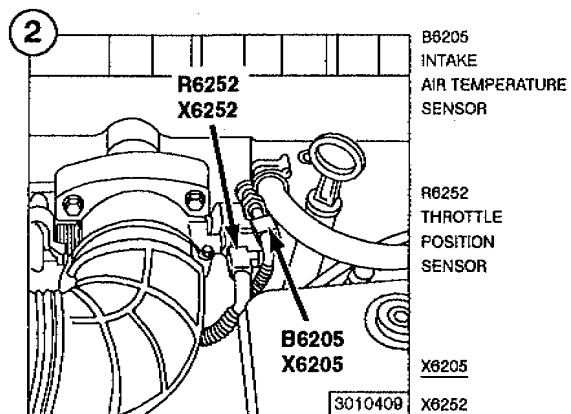
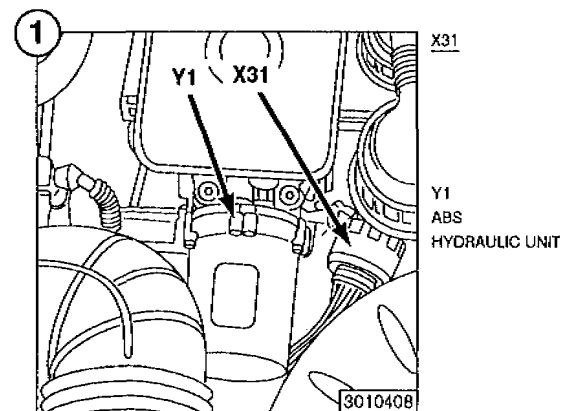
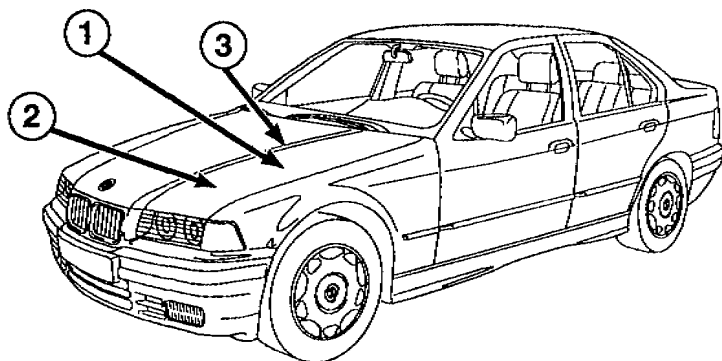
K13
REAR DEFOGGER
RELAY

K6300
ENGINE CONTROL
MODULE RELAY

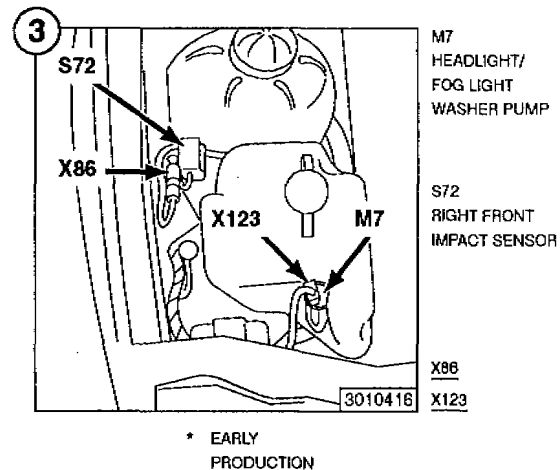
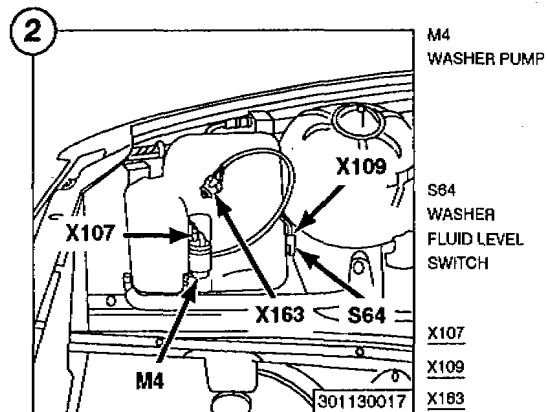
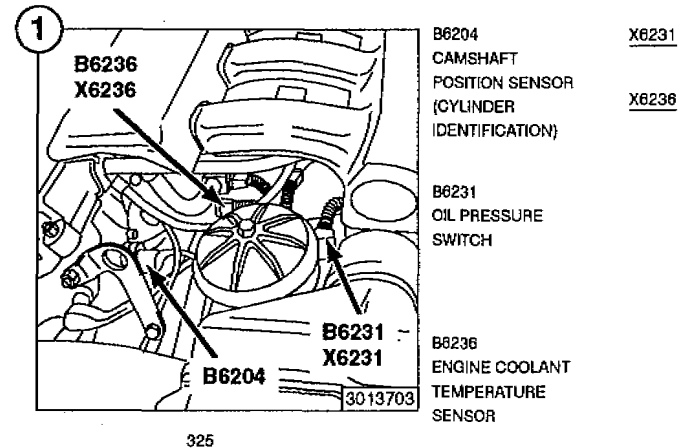
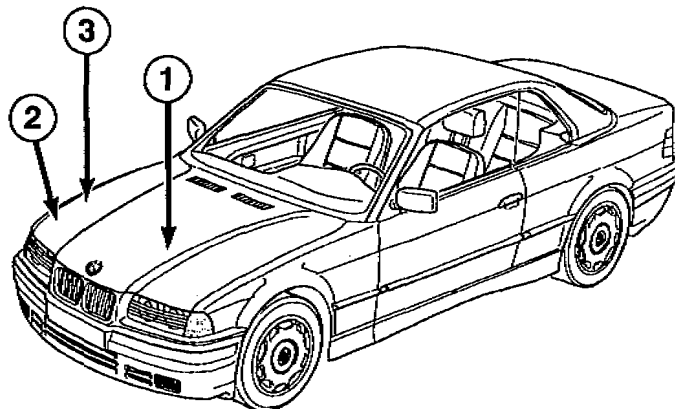
K19
COMPRESSOR
CONTROL
RELAY

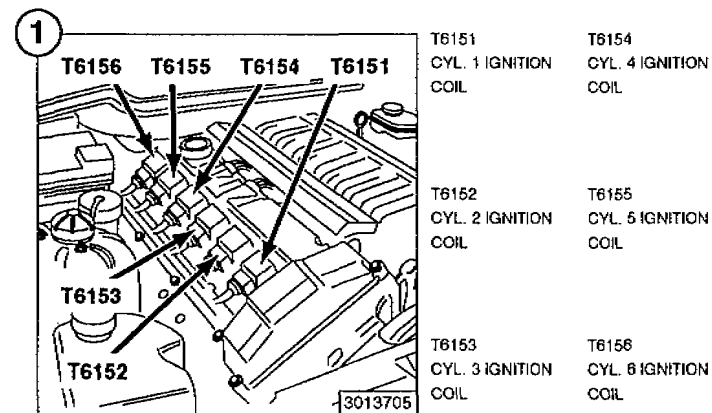
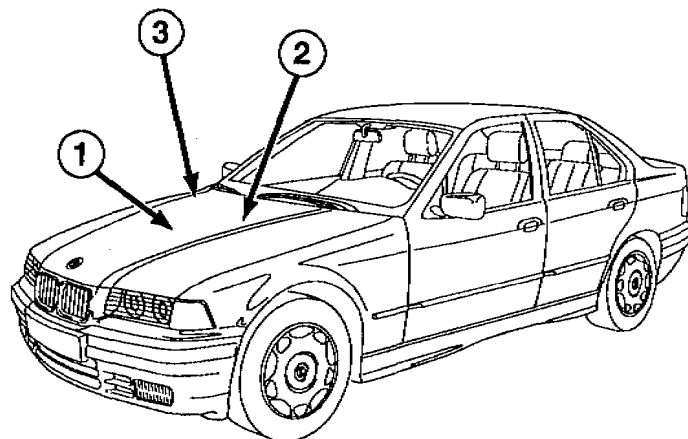
K6301
CYL 1-6 FUEL
PUMP RELAY



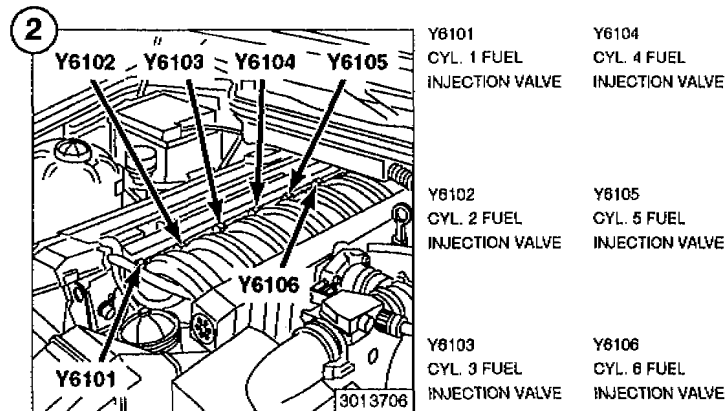


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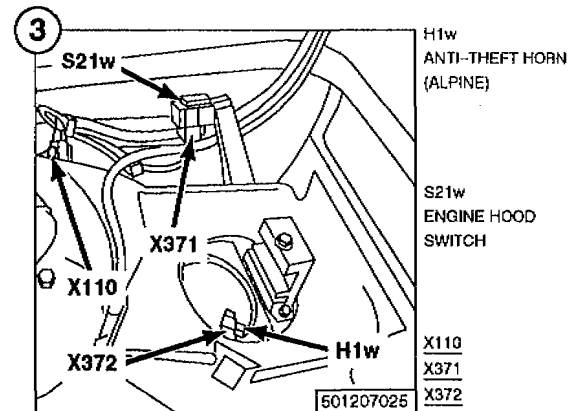


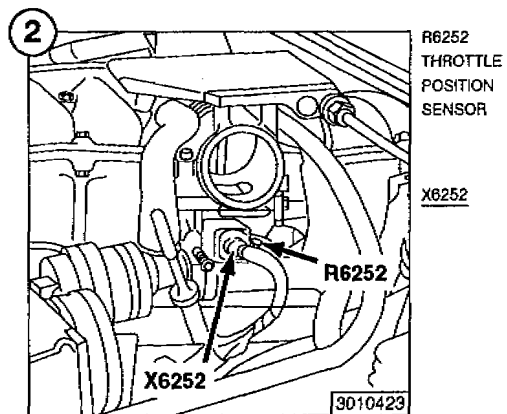
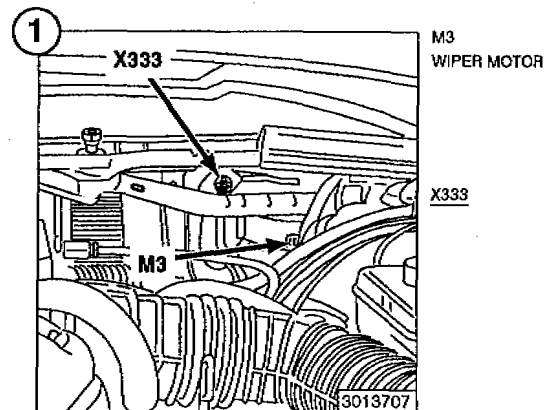
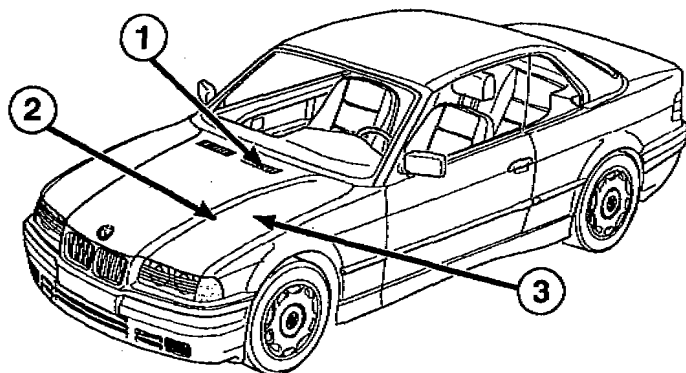


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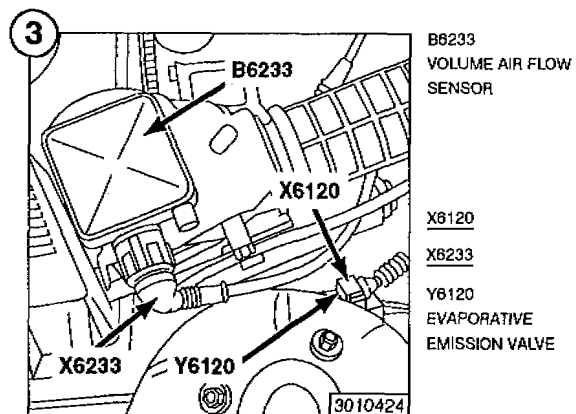


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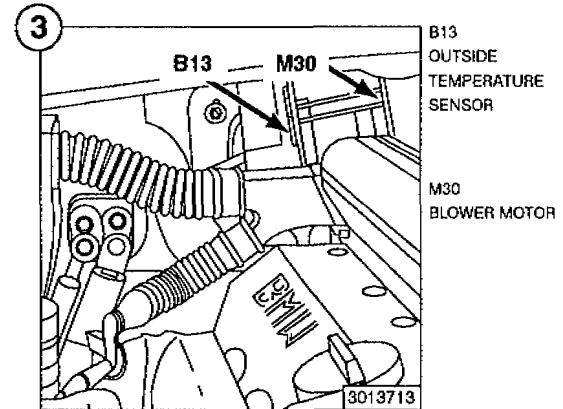
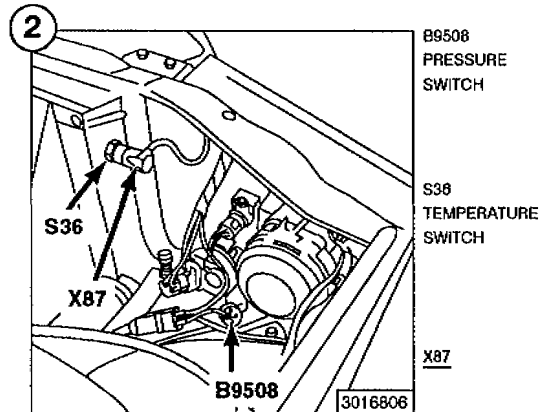
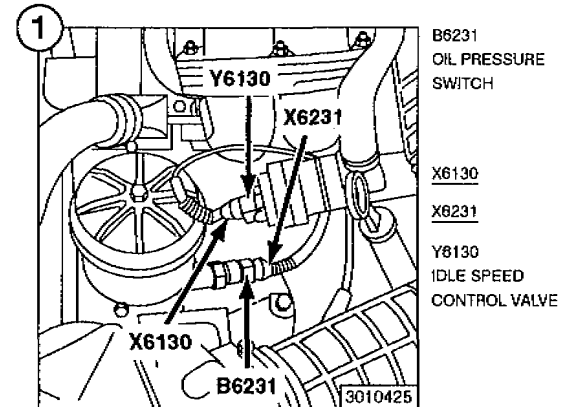
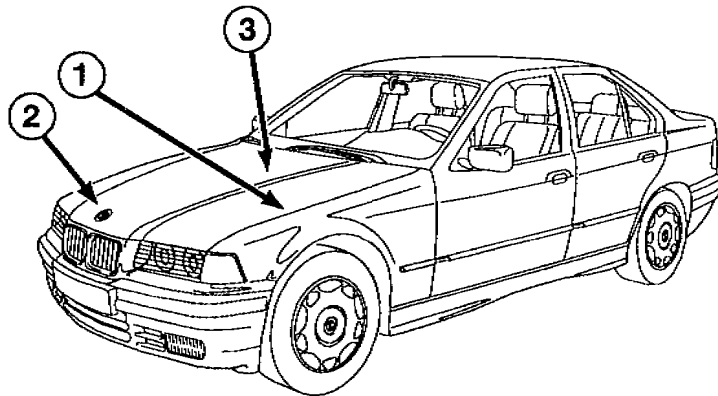


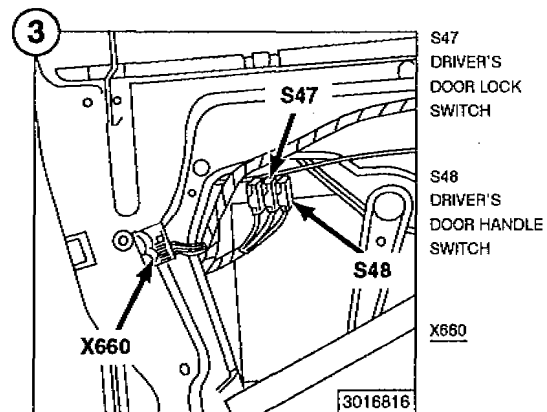
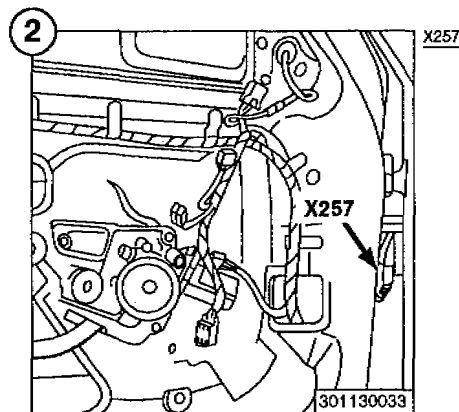
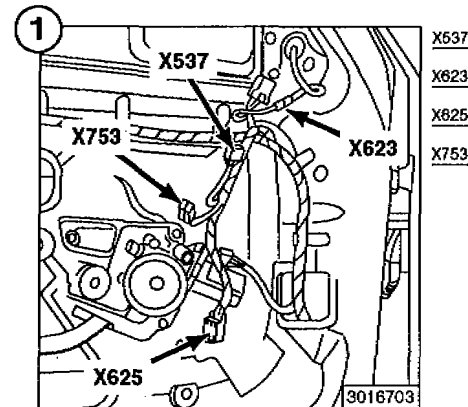
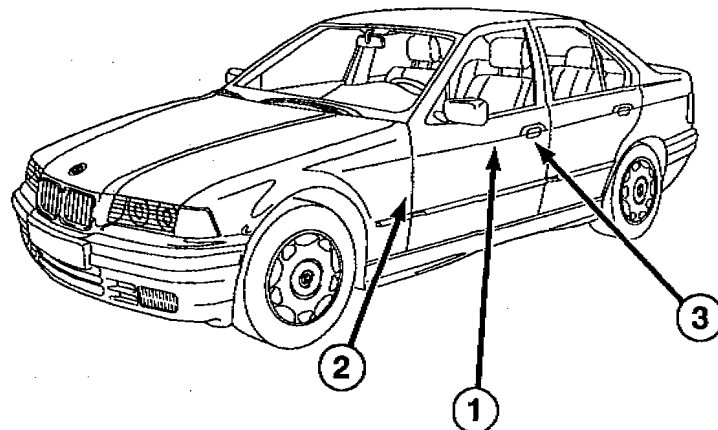


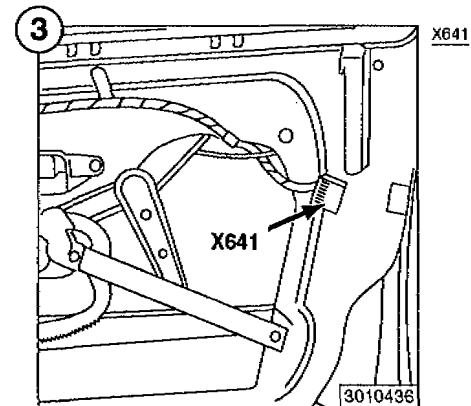
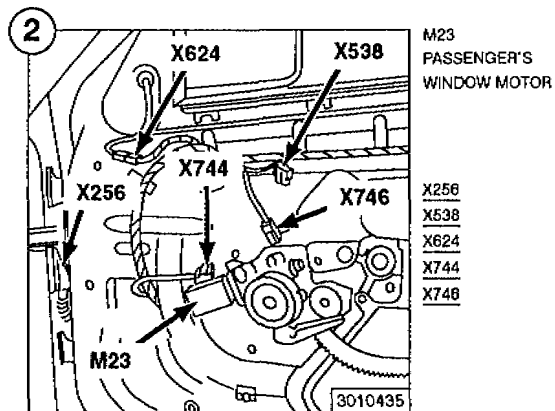
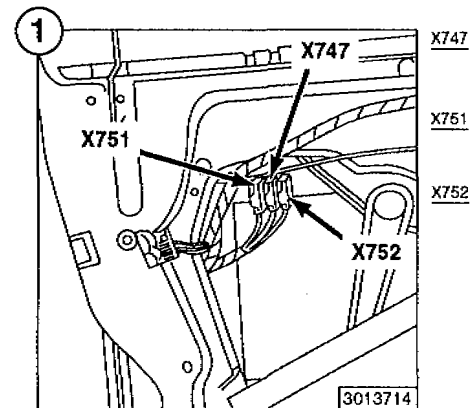
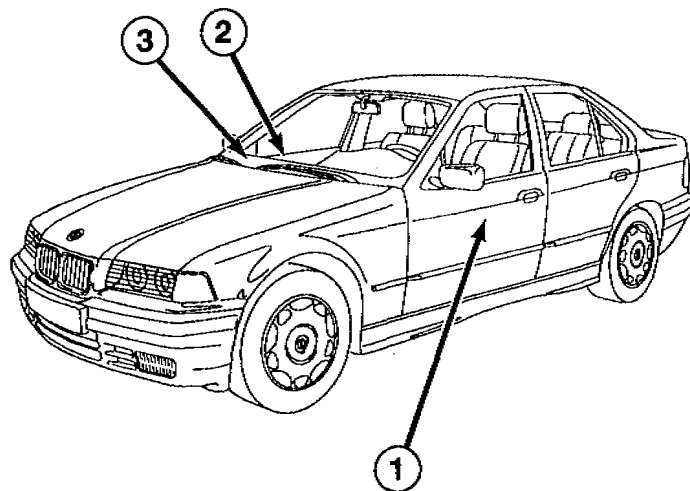
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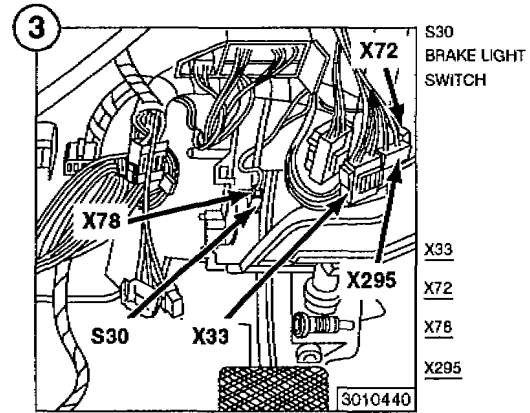
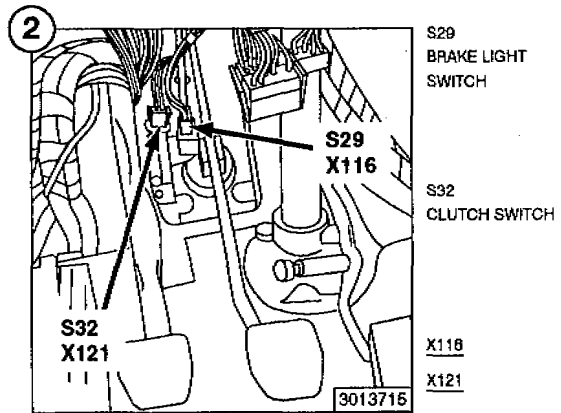
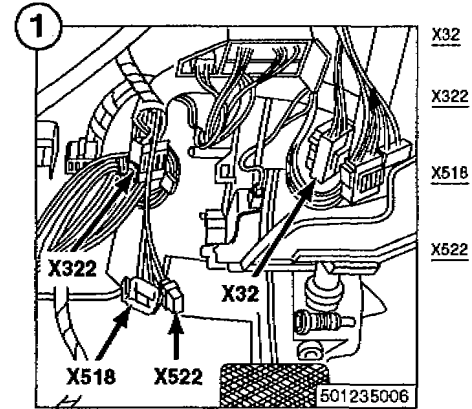
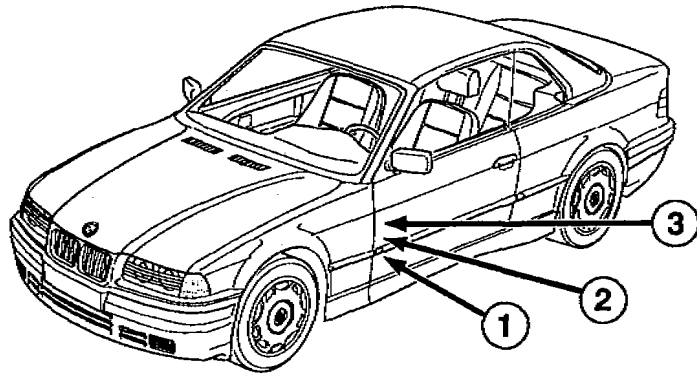


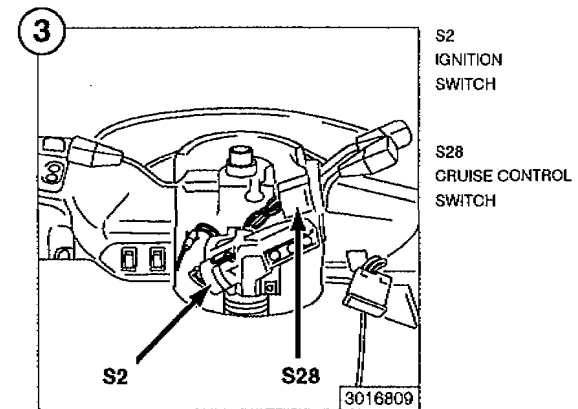
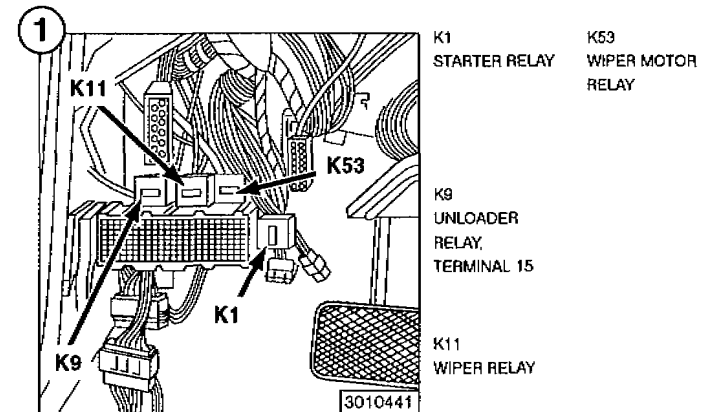
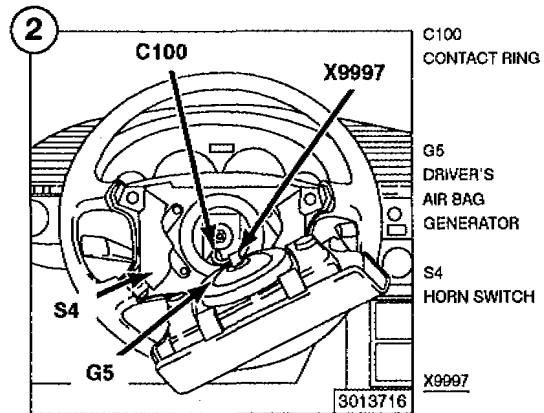
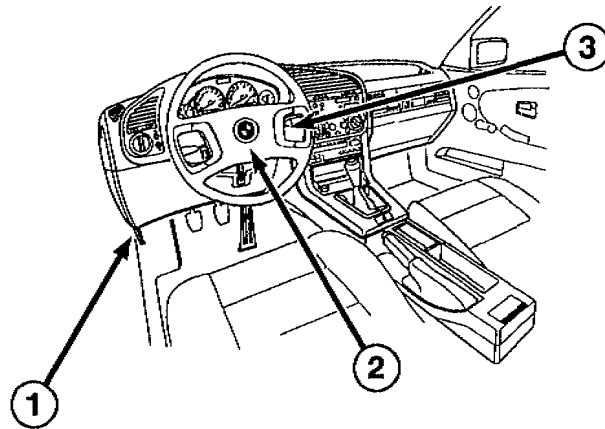
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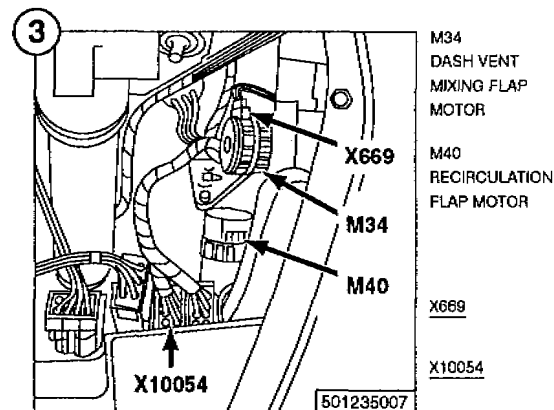
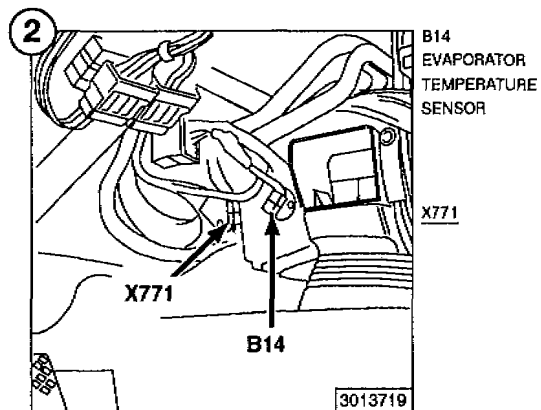
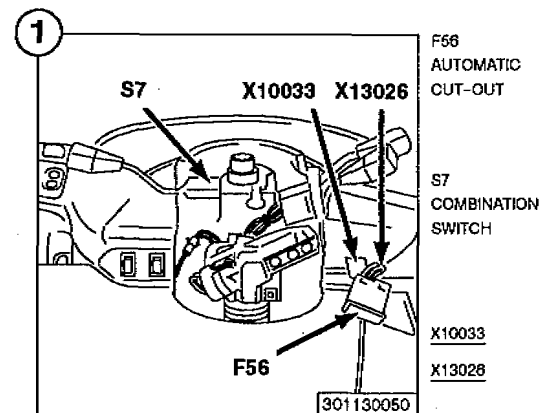
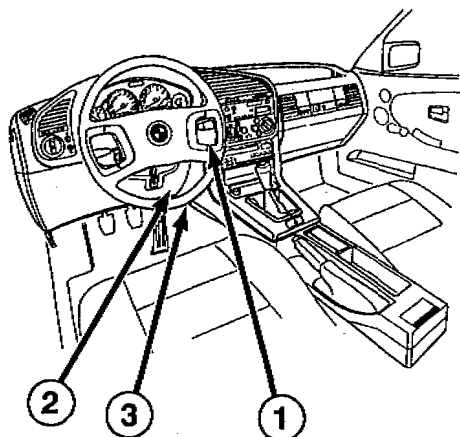


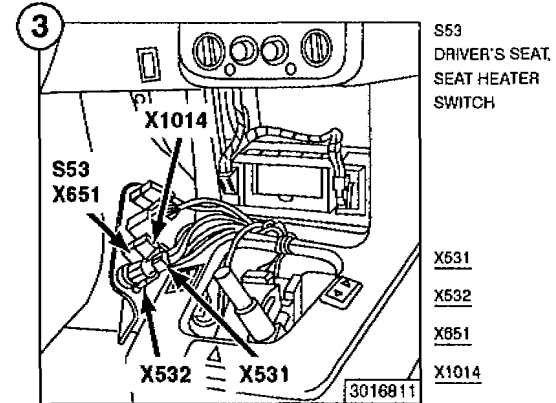
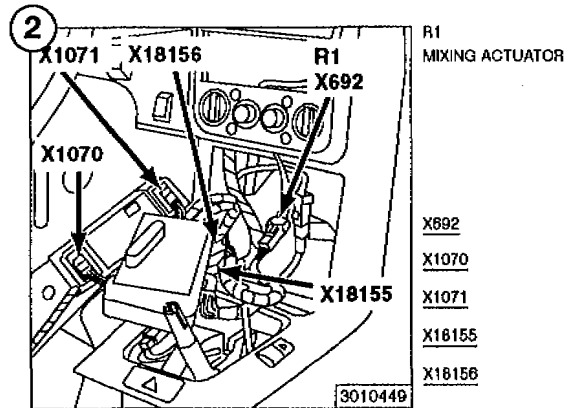
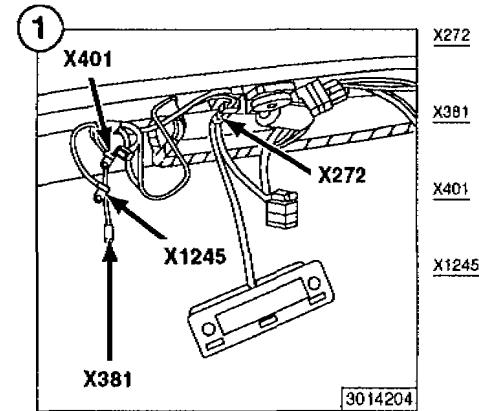
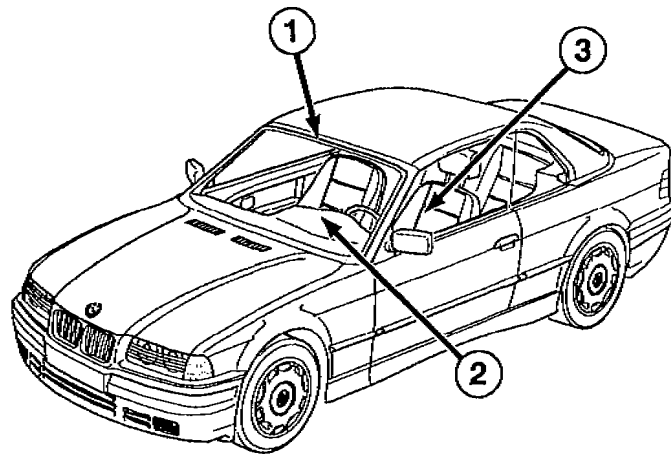


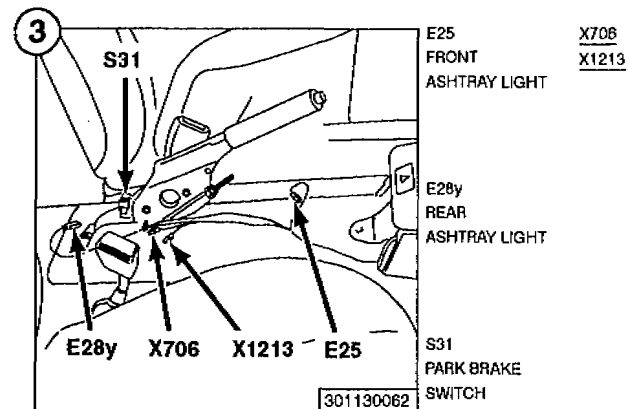
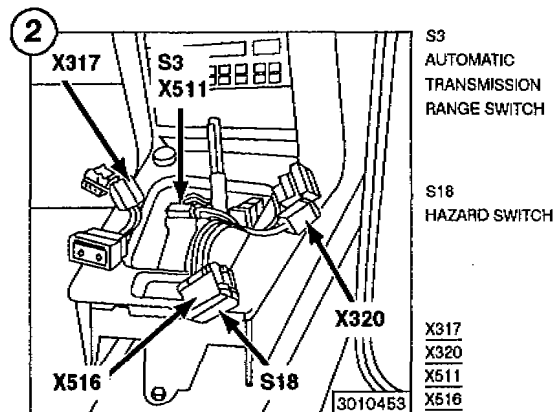
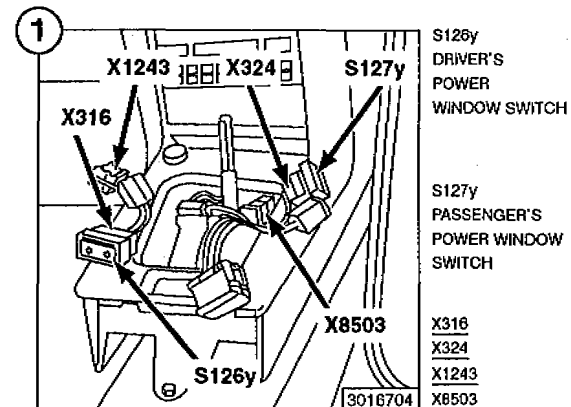
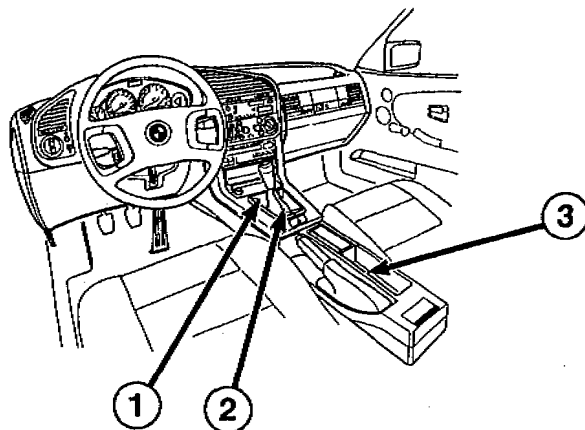


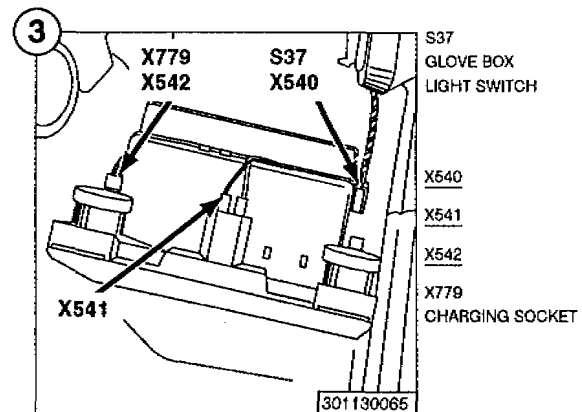
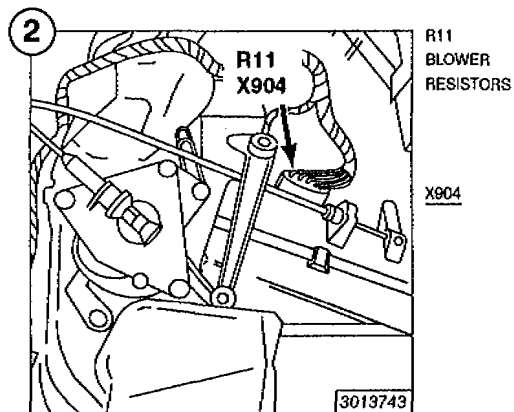
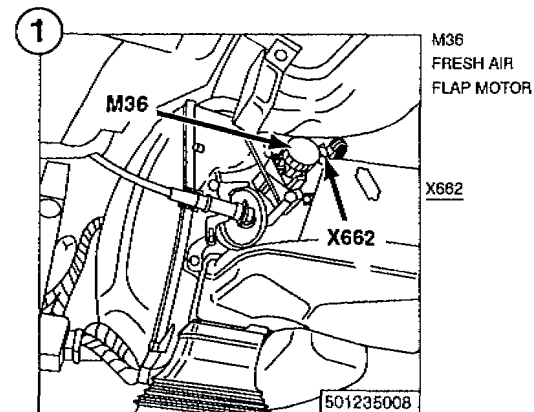
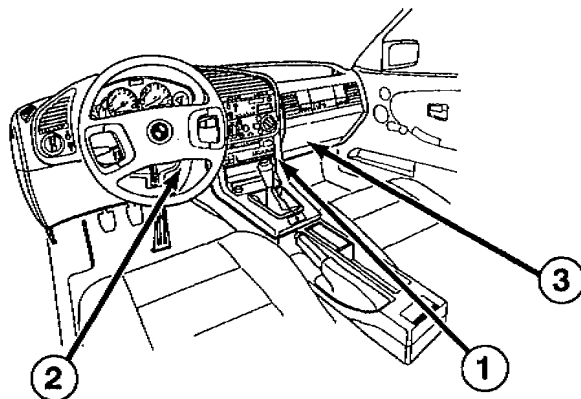


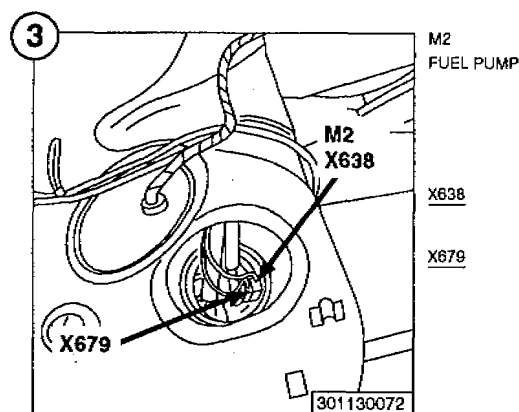
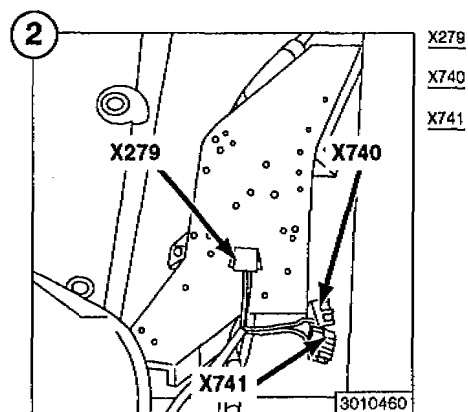
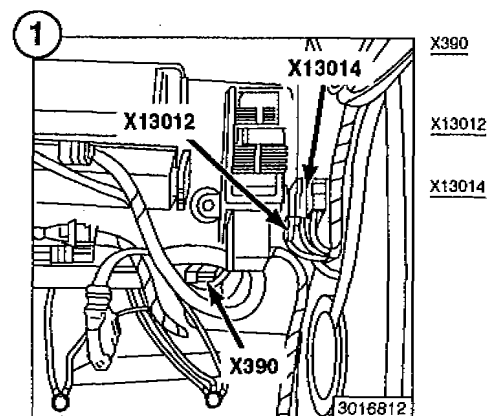
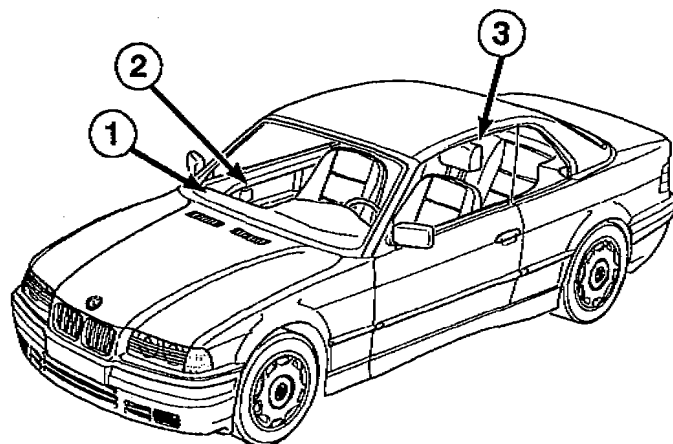


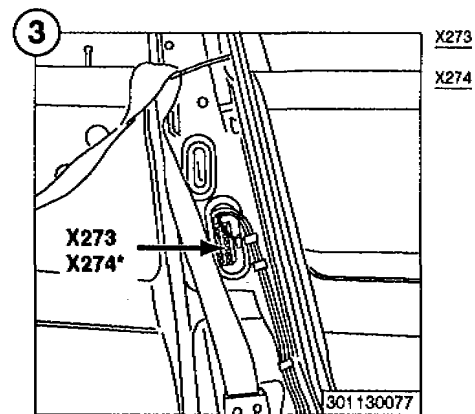
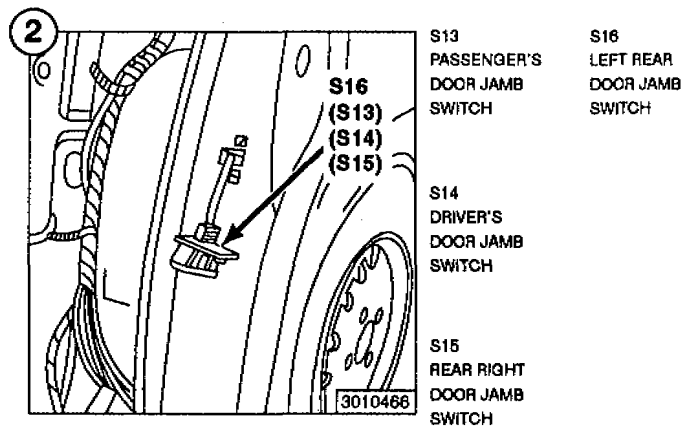
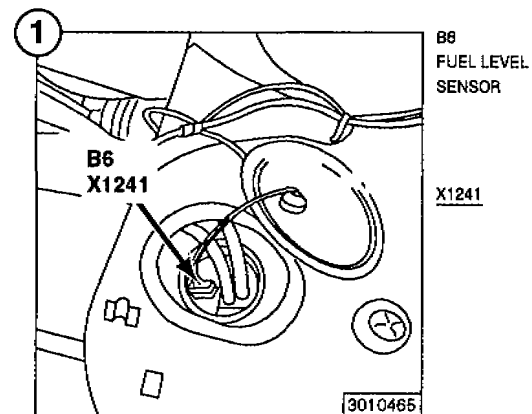
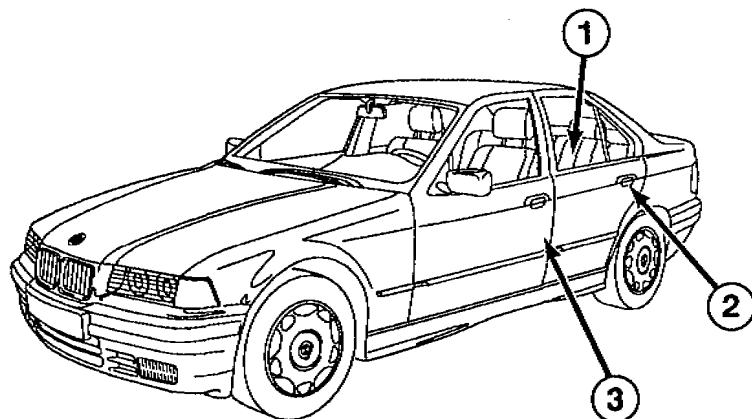




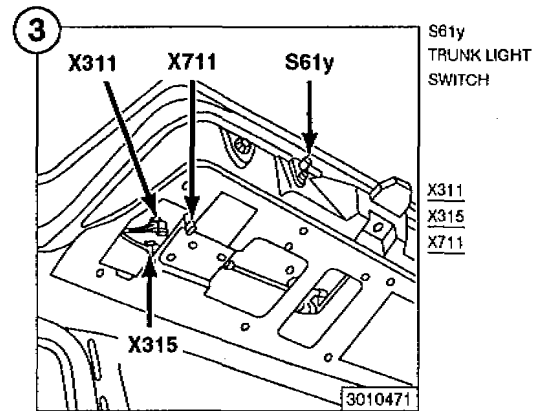
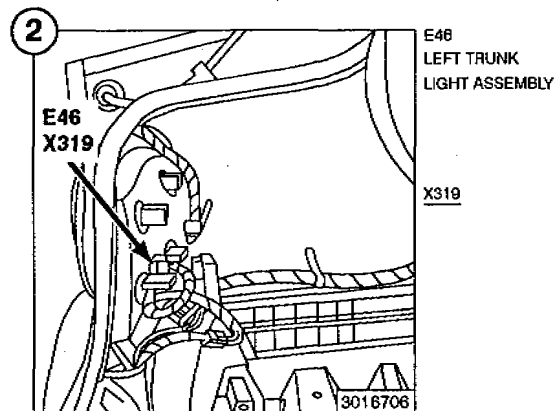
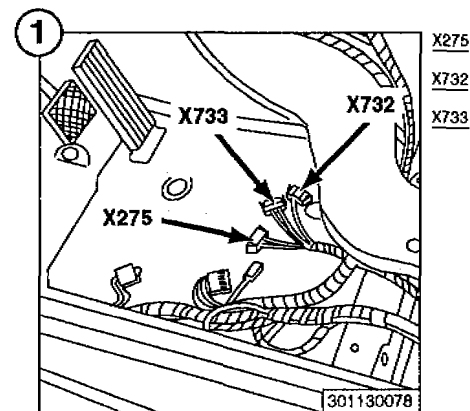
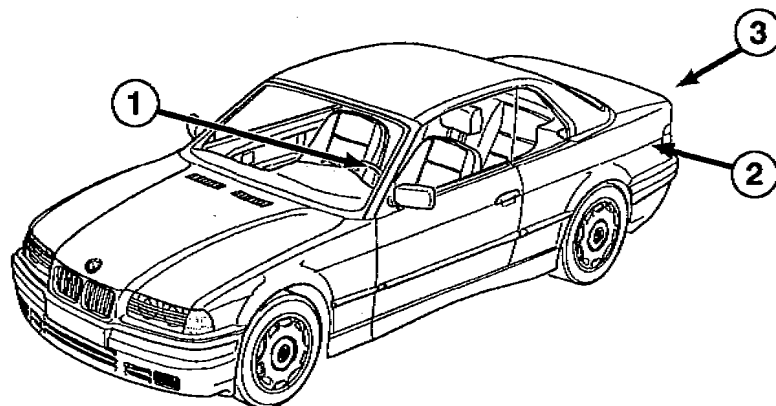


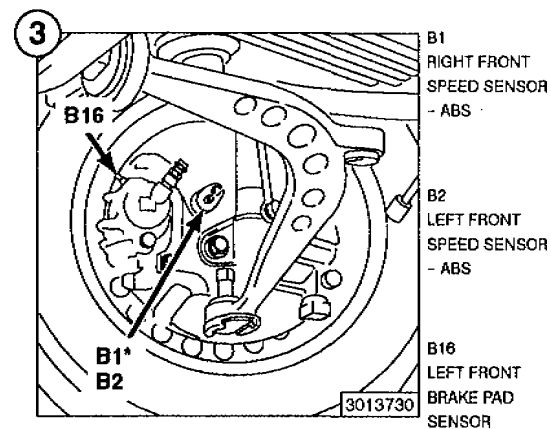
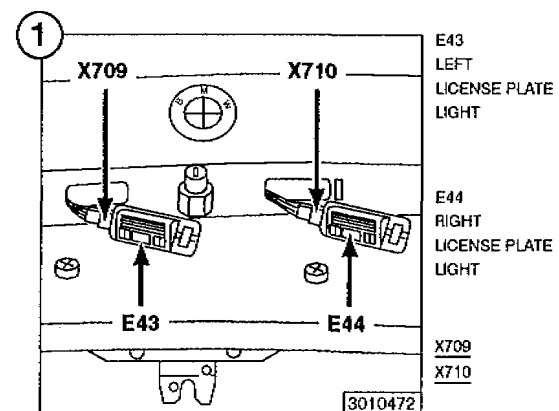
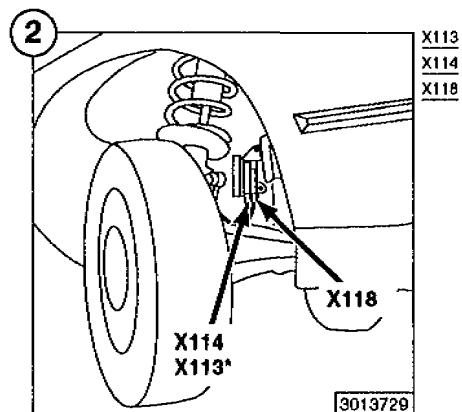
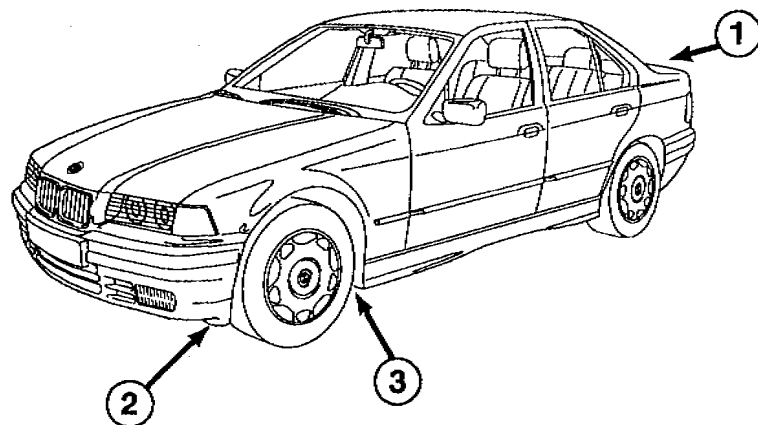




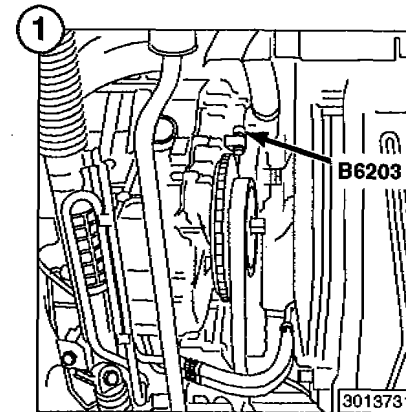
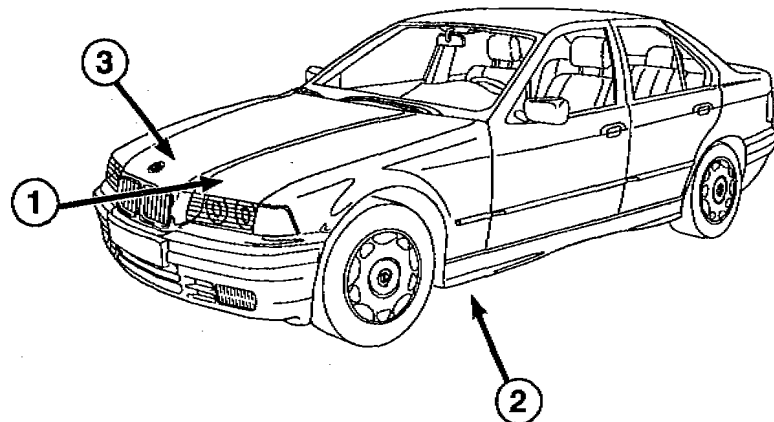


* RH SIMILAR



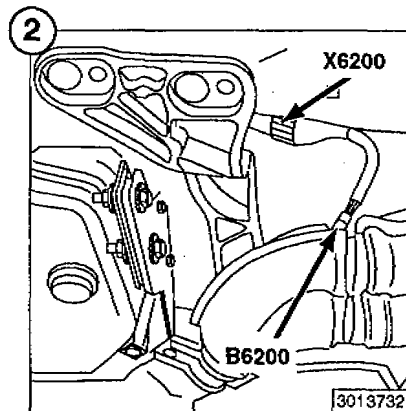


* RH SIMILAR



B6203
CRANKSHAFT
POSITION/RPM
SENSOR

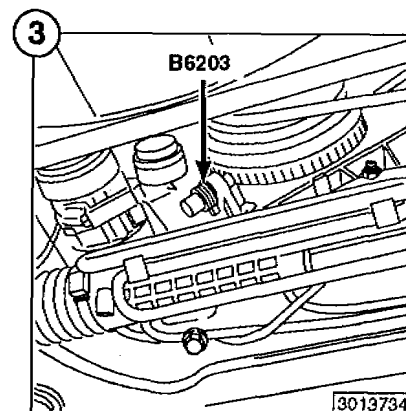
325



B6200
HEATED
OXYGEN SENSOR

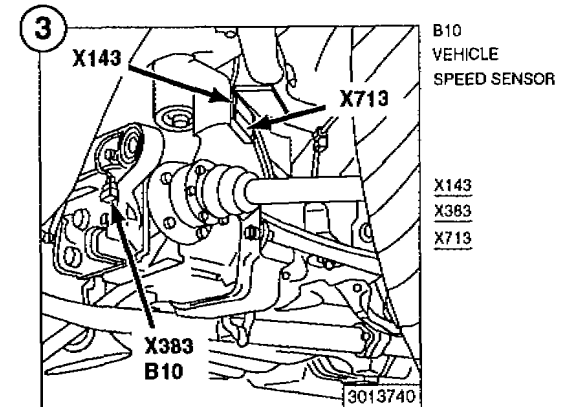
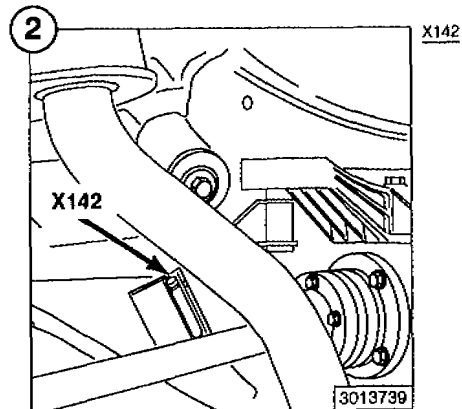
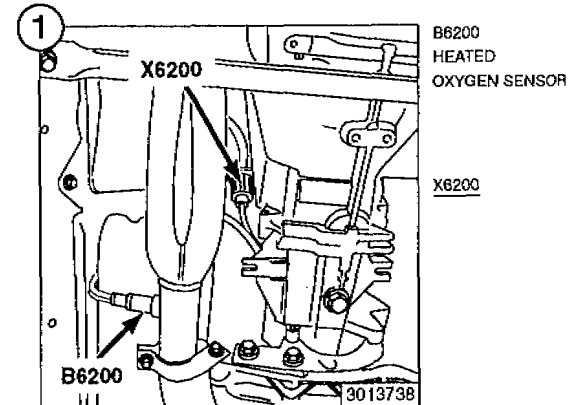
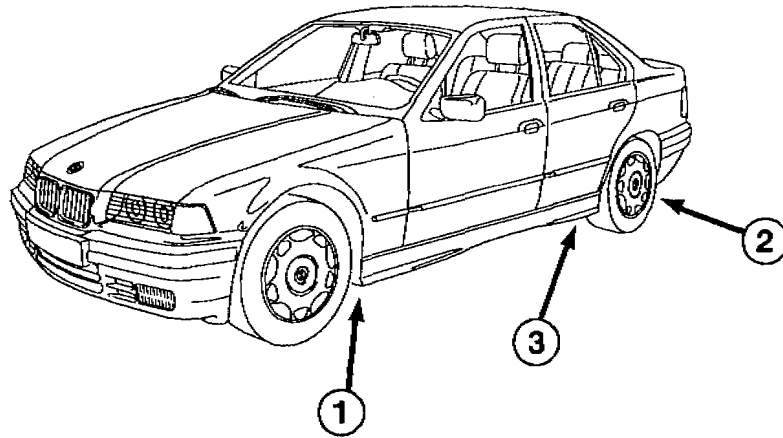
X6200

325



B6203
CRANKSHAFT
POSITION/RPM
SENSOR

318





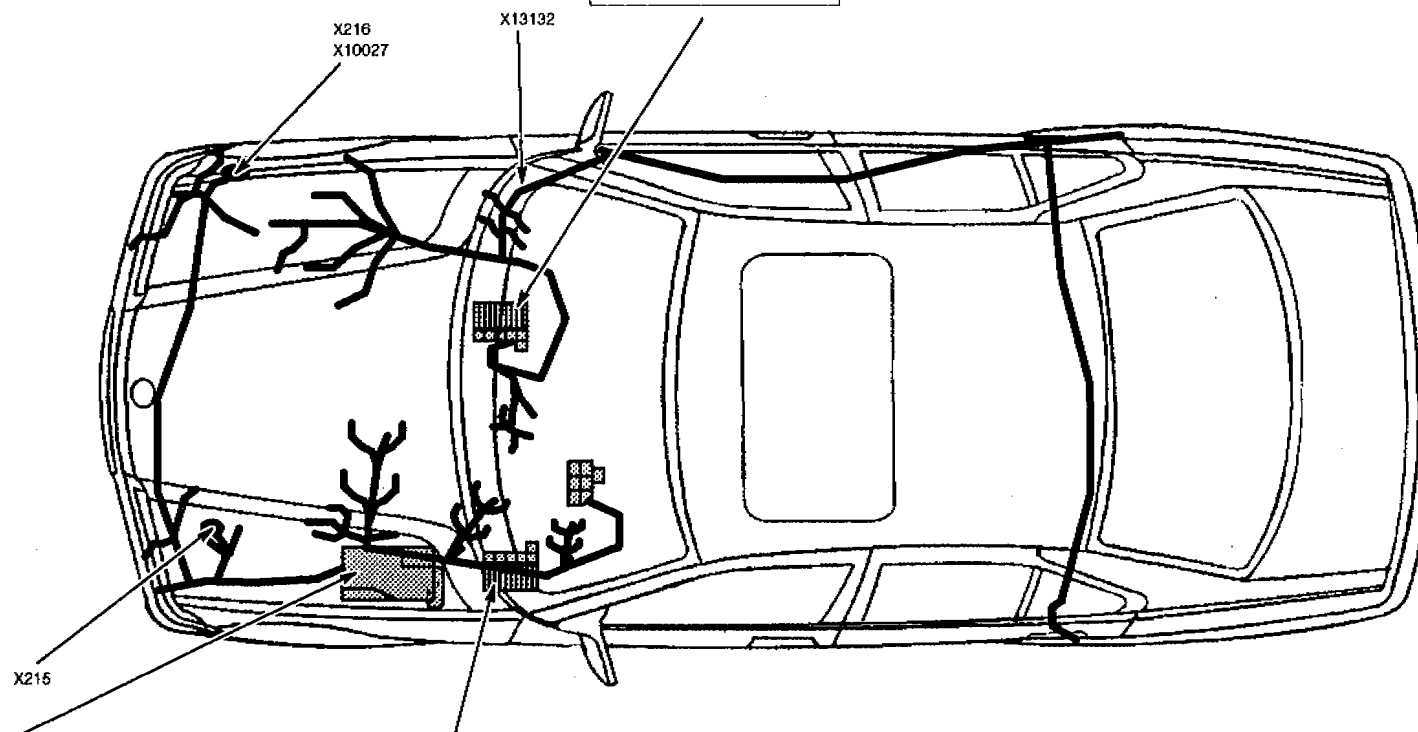
SPLICE LOCATION VIEWS

SPLICE LOCATION INDEX

INDEX

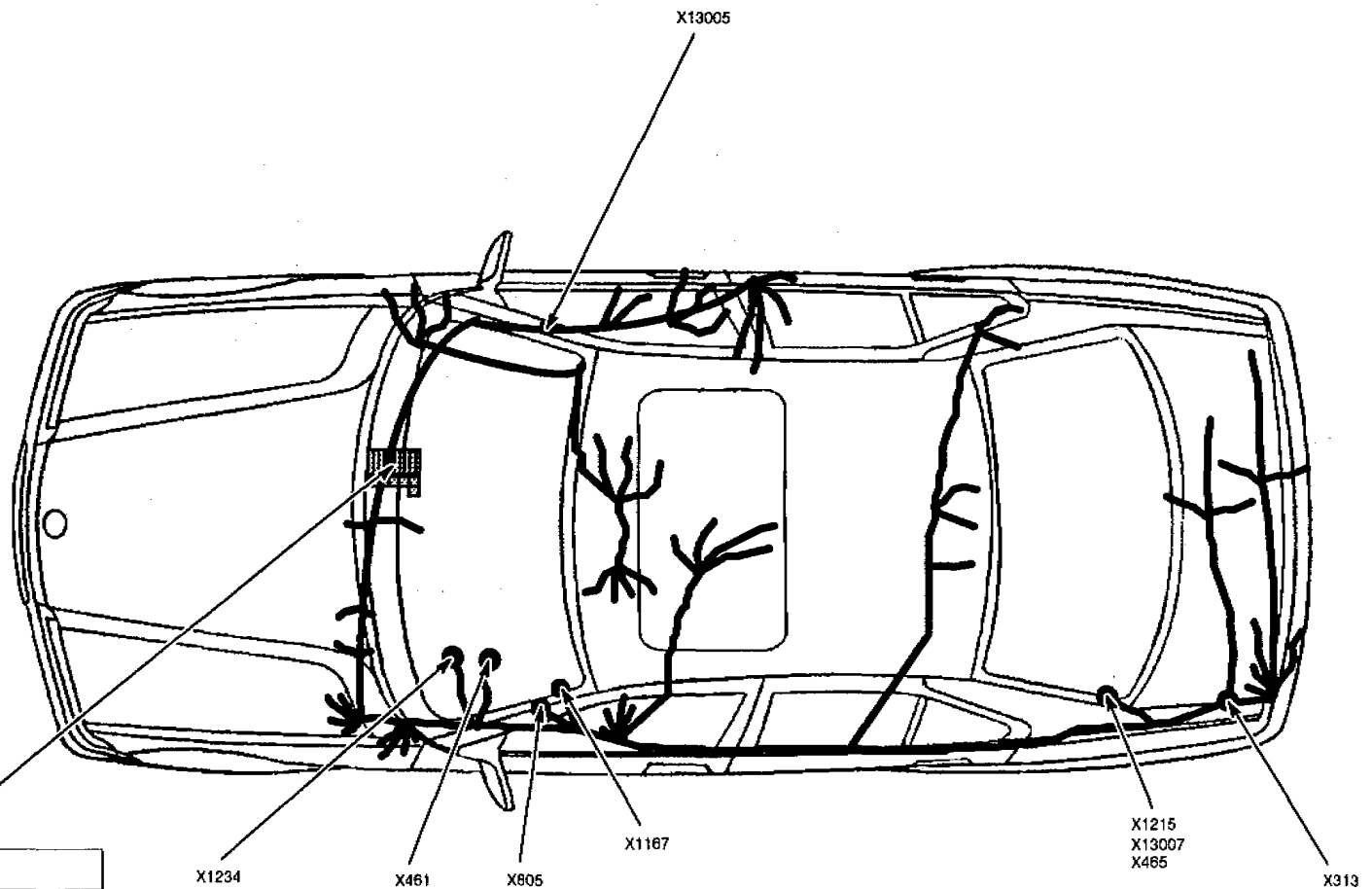
SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
X181-X276	FRONT	8000.0-01	X6863-X6866	ENGINE	NOT SHOWN
X313-X314	REAR	8000.0-02	X6900-X6906	ENGINE	NOT SHOWN
X428-X481	REAR	8000.0-02	X7163	ENGINE	NOT SHOWN
X530-X595	FRONT	8000.0-01	X8004	ENGINE	NOT SHOWN
X805	REAR	8000.0-02	X8005	M42 ENGINE	NOT SHOWN
X824-X830	RADIO	NOT SHOWN	X8007-X8010	ENGINE	NOT SHOWN
X849-X851	DRIVER'S DOOR	NOT SHOWN	X8015	ENGINE	NOT SHOWN
X876-X878	RADIO	NOT SHOWN	X8021	M50 ENGINE	NOT SHOWN
X906	IHKR	NOT SHOWN	X8022	ENGINE	NOT SHOWN
X942	PASSENGER'S DOOR	NOT SHOWN	X8025	M42 ENGINE	NOT SHOWN
X1015-X1168	FRONT	8000.0-01	X8042	ENGINE	NOT SHOWN
X1167	REAR	8000.0-02	X8043-X8049	M42 ENGINE	NOT SHOWN
X1169-X1192	FRONT	8000.0-01	X8051	ENGINE	NOT SHOWN
X1212-X1218	REAR	8000.0-02	X8056	ENGINE	NOT SHOWN
X1225-X1233	FRONT	8000.0-01	X8071-X8565	ENGINE	NOT SHOWN
X1226-X1238	REAR	8000.0-02	X8576	M42 ENGINE	NOT SHOWN
X1382-X1383	RADIO	NOT SHOWN	X10007-X10100	FRONT	8000.0-01
X1387-X1396	REAR	8000.0-02	X13002-X13011	REAR	8000.0-02
X6410	ENGINE	NOT SHOWN	X13021-X13132	FRONT	8000.0-01
X6411-X6420	M50 ENGINE	NOT SHOWN	X18160-X18161	IHKR	NOT SHOWN
X6458-X6463	ENGINE	NOT SHOWN	X18165	FRONT	8000.0-01
X6475	M50 ENGINE	NOT SHOWN	X18251	DRIVER'S DOOR	NOT SHOWN
X6492-X6810	ENGINE	NOT SHOWN	X18252	PASSENGER'S DOOR	NOT SHOWN
X6820	M50 ENGINE	NOT SHOWN	X18253	DRIVER'S DOOR	NOT SHOWN
X6821-X6822	ENGINE	NOT SHOWN	X18254-X18284	PASSENGER'S DOOR	NOT SHOWN
X6830-X6832	ENGINE	NOT SHOWN	X19513-X19514	RADIO	NOT SHOWN
X6835-X6855	ENGINE	NOT SHOWN			
X6860	M50 ENGINE	NOT SHOWN			

SPLICE PANEL			
X195	•	X1184	•
X218	•	X10009	•
X222	•	X10084	•
X557	•	X13115	•
X1163	•		



SPLICE PANEL				
X184	•	X245	•	X1027
X185	•	X246	•	X1028
X186	•	X278	•	X1036
X187	•	X530	•	X1068
X203	•	X595	•	X1073
X223	•	X1015	•	X1076
X238	•	X1022	•	X1077
				X1152
				X1168
				X1172
				X1177
				X1186
				X1192
				X1233
				X10007
				X10020
				X10021
				X10022
				X10055
				X10100

SPLICE PANEL				
X181	•	X213	•	X1067
X182	•	X228	•	X1069
X183	•	X1019	•	X1079
X188	•	X1029	•	X1080
X191	•	X1047	•	X1085
X196	•	X1085	•	X1169
X197	•	X1066	•	X1179
				X1182
				X1225
				X10008
				X10011
				X10024
				X10028
				X10029
				X10061
				X13021
				X18185



SPLICE PANEL

X441	•	X450	•	X462	•	X1238	•
X442	•	X453	•	X475	•	X1387	•
X443	•	X454	•	X481	•	X1396	•
X444	•	X455	•	X1212	•	X13002	•
X445	•	X456	•	X1235	•	X13003	•
X449	•	X460	•	X1236	•	X13010	•
				X1237	•	X13011	•



FIG. 1

B550001.00

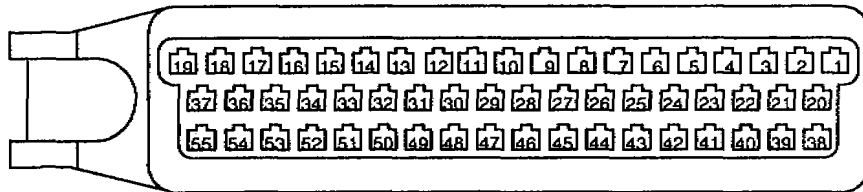


FIG. 2

B260005.00

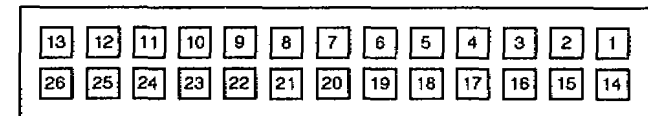


FIG. 3

B150003.00

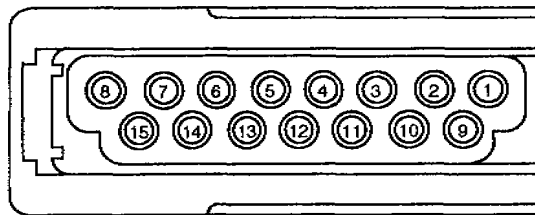


FIG. 4

B300001.00

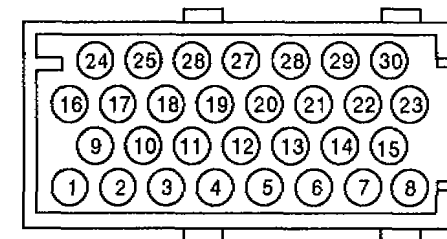


FIG. 1

B030024

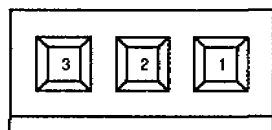


FIG. 2

B120003.00

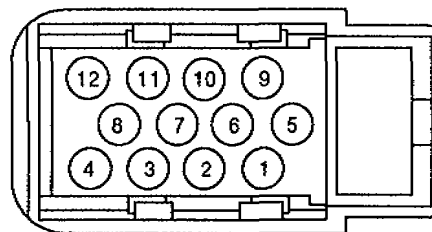


FIG. 3

B120001.00

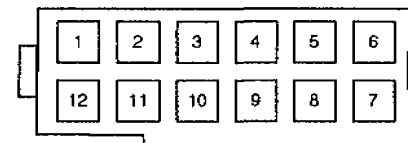


FIG. 4

B050005.00

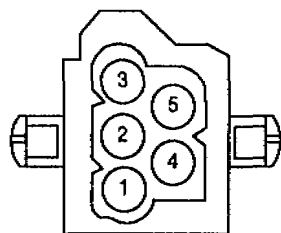


FIG. 5

B180000.00

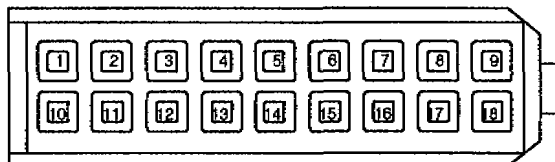


FIG. 6

B040003.00

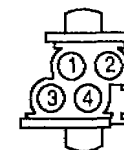


FIG. 1

B080002.00

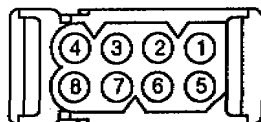


FIG. 2

B120015

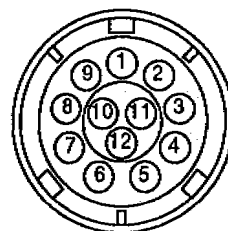


FIG. 3

B030001.00

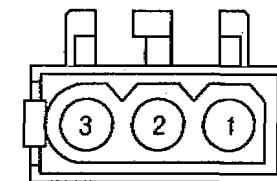


FIG. 4

B080003.00

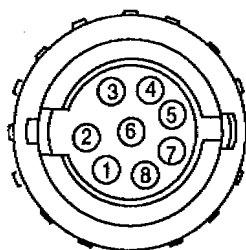


FIG. 5

B300003.00

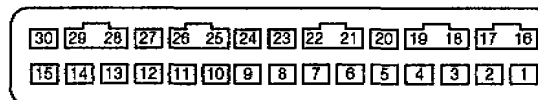
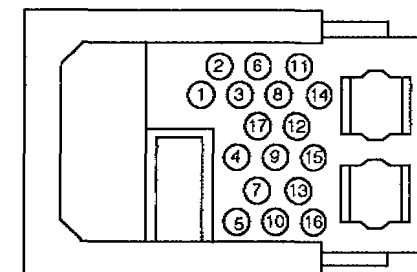


FIG. 6

B170001.00





CONNECTOR VIEWS

FIG. 1

B120002.02

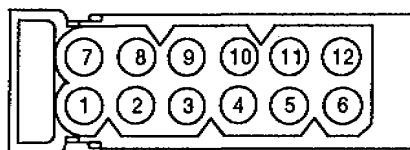


FIG. 2

B030004.00



FIG. 3

B100008.00

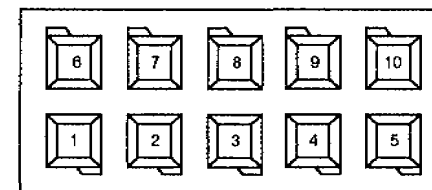


FIG. 4

B030005.00

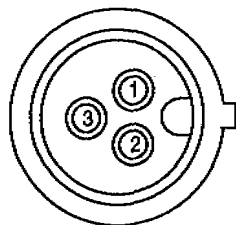


FIG. 5

B120004.01

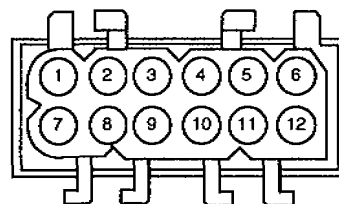
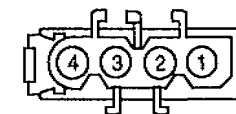


FIG. 6

B040002.00



CONNECTOR VIEWS

FIG. 1

B060006.00

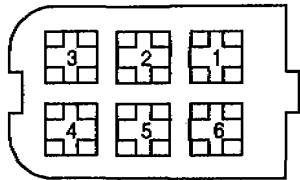


FIG. 2

B050003.00



FIG. 3

B040004.00



FIG. 4

B040018

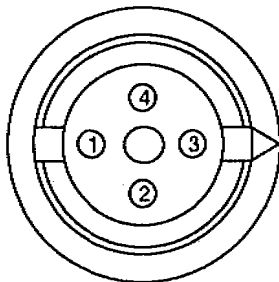


FIG. 5

B080001.00

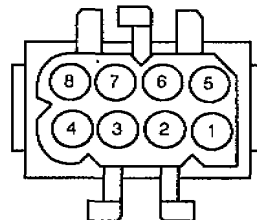


FIG. 6

B090002.00

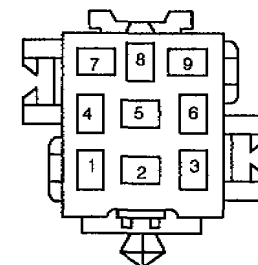


FIG. 1

B210002.00

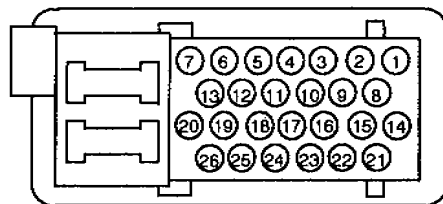


FIG. 2

B060001.02

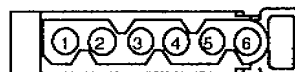


FIG. 3

B070005.01

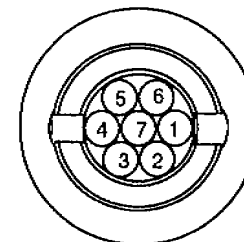


FIG. 4

B200003.00

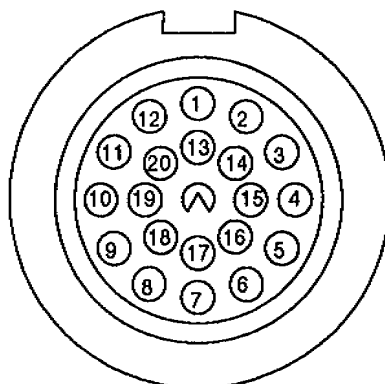


FIG. 5

B060010.01

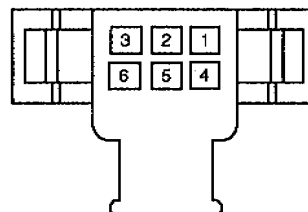


FIG. 6

B030003.02



FIG. 1

B060008.00

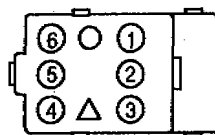


FIG. 2

B250001.00

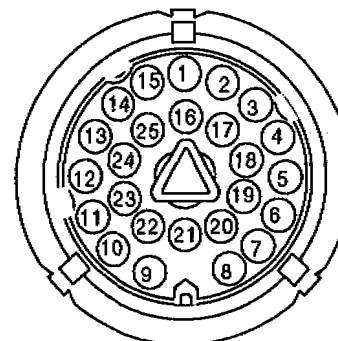


FIG. 3

B250001.01

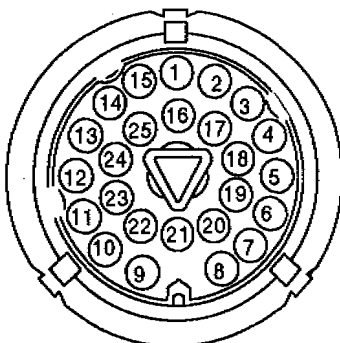


FIG. 4

B060019.02

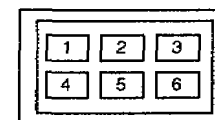


FIG. 1

B100013.00

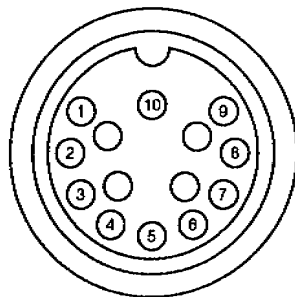


FIG. 2

B250003.00

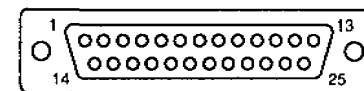


FIG. 3

B060037.00

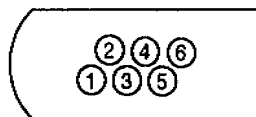


FIG. 4

B060038.00

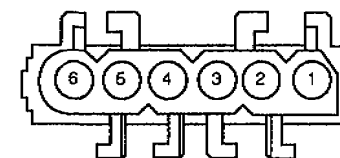


FIG. 1

B880001.00

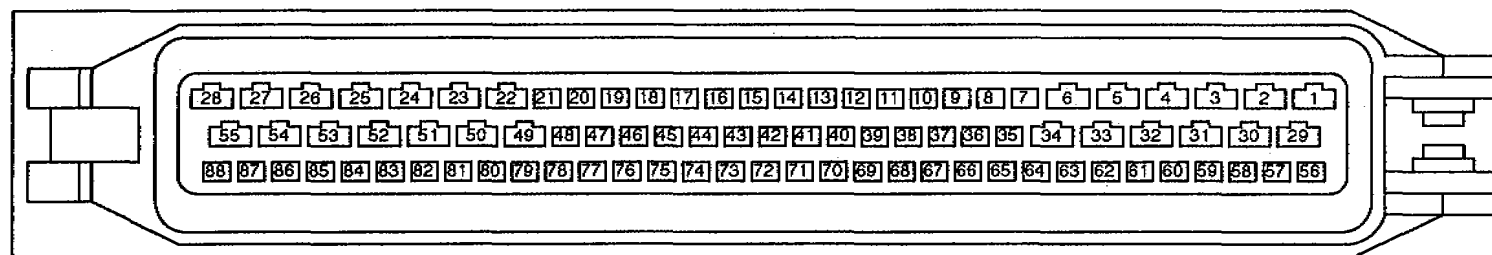


FIG. 2

B030006.00

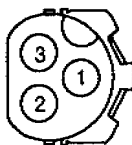


FIG. 3

B050002.00

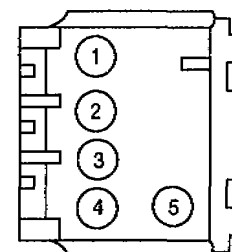


FIG. 1

B120004.05

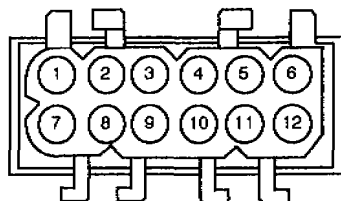


FIG. 2

B060012.00

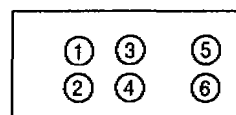


FIG. 3

B040023.00

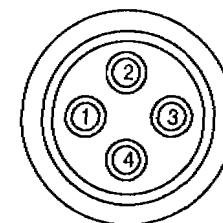


FIG. 4

B030038.00



FIG. 5

B030015.12

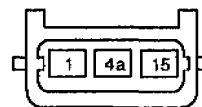


FIG. 6

B040020.00

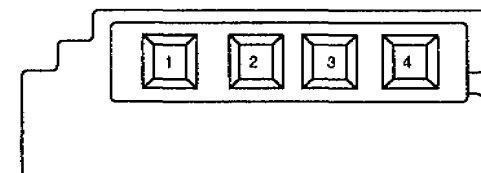


FIG. 1

B090006.01

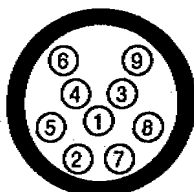


FIG. 2

B030025.00

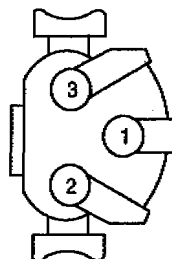


FIG. 3

B060037.01

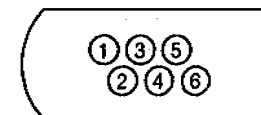


FIG. 4

B060036.00

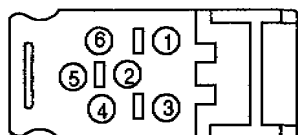


FIG. 5

B030001.00

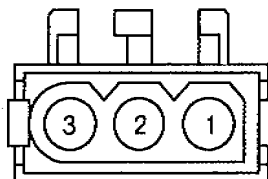
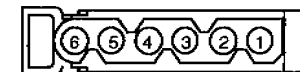


FIG. 6

B060001.00



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