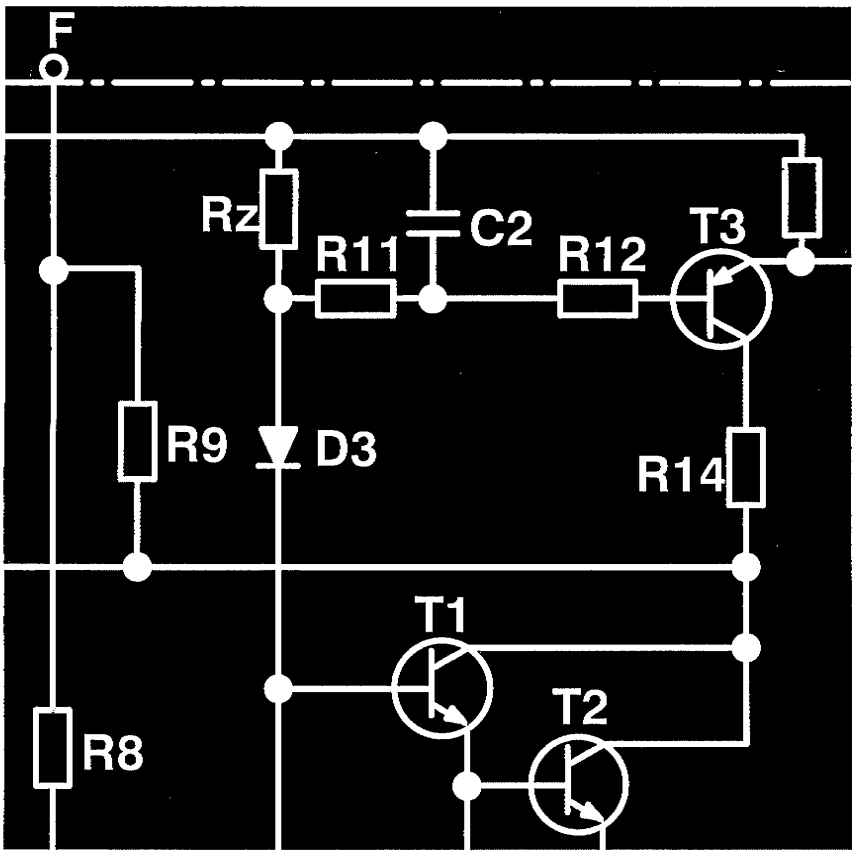


1995

BMW 318i/s/c, 320i, 325i/s/c, M3 (E36)

Electrical Troubleshooting Manual

Vehicles Produced 9/94 to Present

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ELECTRICAL TROUBLESHOOTING MANUAL

SERIES 3 – E36 (318i, 318is, 320i, 325i, 325is, M3, INCL. CONVERTIBLE)

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TRUNK LID RELAY, K117 ..... 5126.0–01
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6312.0–04
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6313.0–02
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6314.0–01
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6322.0–00
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6325.0–01
TRUNK LIGHT ASSEMBLY, LEFT, E46 ..... 6581.2–04
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6312.0–04
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6313.0–02
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6314.0–01
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6322.0–00
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6325.0–01
TRUNK LIGHT ASSEMBLY, RIGHT, E47 ..... 6581.2–04
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TRUNK LOCK MOTOR, M17 ..... 5126.2–01
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ZKE CENTRAL LOCKING (ZV) 5126.0–00

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Schematics

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

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

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

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

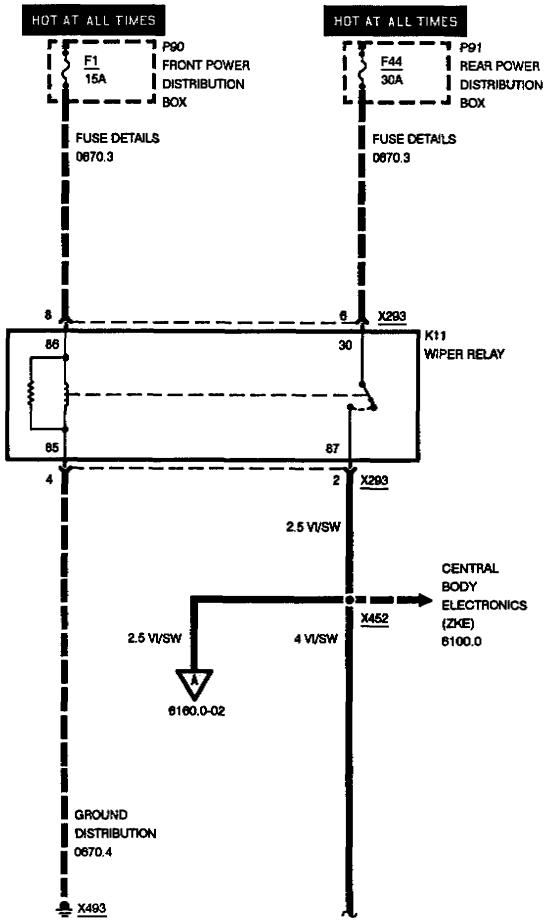
In cell **7000.0 Component Location Chart** all important connectors, ground points and components are listed in tabular form. It provides a precise description of the component locations in the vehicle.

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

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

Example

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



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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.

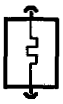
7. The dashed line from pin 4 of connector X293 to ground X493 shows the ground supply for relay K11. If required, refer to cell **0670.4 Ground Distribution** at ground X493 for the complete line progression with all plug connections, line branches, wire colors, and cross sections.

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.

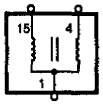
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SYMBOLS


BATTERY


HEATING ELEMENT


VARIABLE RESISTANCE SENSOR
VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE



IGNITION COIL


CONTROL/POWER ELECTRONICS

FUSE DETAILS


LOUDSPEAKER OR HORN


VARIABLE RESISTOR
RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE


HALL EFFECT SENSOR


FUSIBLE LINK


LIGHT

DIODE
CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW


RADIO


THERMO SWITCH


PERMANENT MAGNET MOTOR
ONE SPEED

ZENER DIODE
TO REGULATE VOLTAGE



TRANSISTORIZED SWITCH

SOLENOID


PERMANENT MAGNET MOTOR
TWO SPEEDS


LIGHT EMITTING DIODE



INDUCTIVE SENSOR


SOLENOID CONTROLLED VALVE OR CLUTCH SOLENOID


KNOCK SENSOR


OXYGEN SENSOR



VEHICLE SPEED SENSOR

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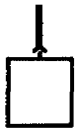
SYMBOLS

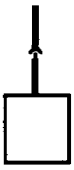

ENTIRE COMPONENT SHOWN


PART OF COMPONENT SHOWN


COMPONENT WITH SCREW TERMINALS

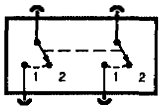

COMPONENT CASE ATTACHED DIRECTLY TO METAL PART OF CAR (GROUNDED)


CONNECTOR ATTACHED TO COMPONENT


CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)



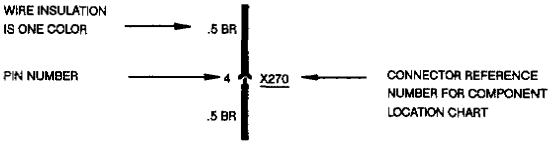
ONE POLE, TWO POSITION SWITCH

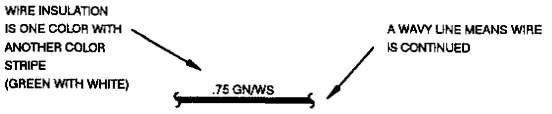


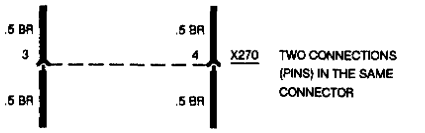
SWITCHES THAT MOVE TOGETHER

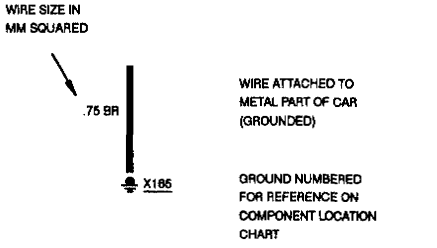
DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

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



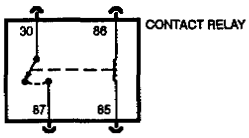




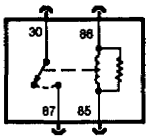


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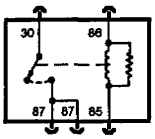
SYMBOLS



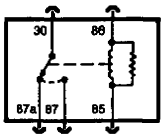
CONTACT RELAY



RELAY WITH RESISTOR ACROSS WINDING

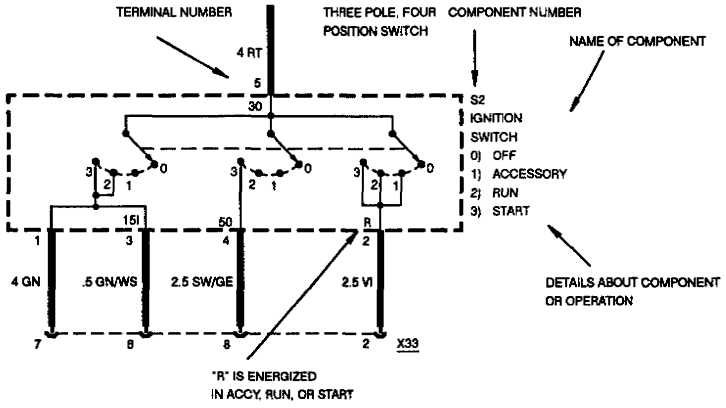


CONTACT RELAY WITH TWO OUTPUTS



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

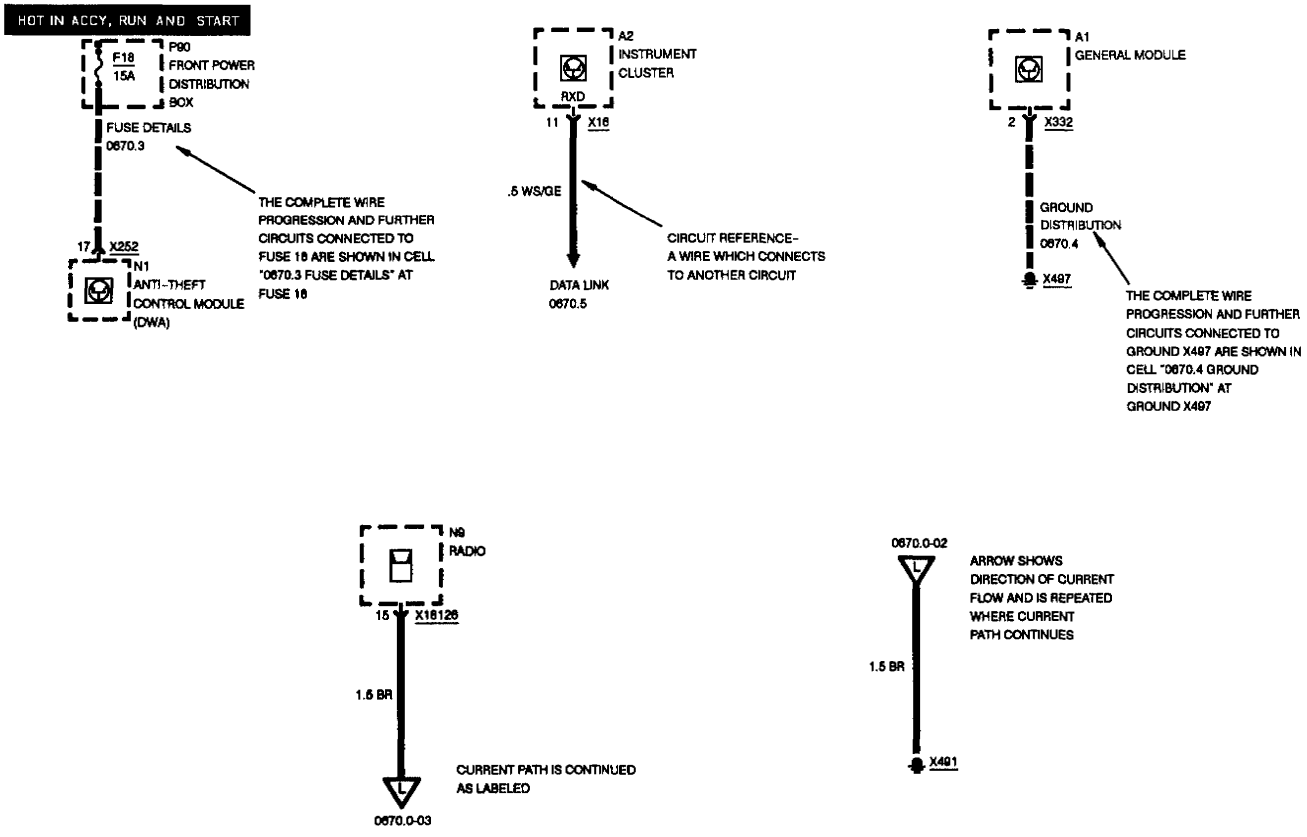


INDICATES THAT FUSE 9 IS SUPPLIED WITH POWER AT ALL TIMES

POWER STATUS	DESCRIPTION
HOT AT ALL TIMES	VOLTAGE: SUPPLIED AT ALL TIMES
HOT IN RUN AND START	VOLTAGE: IGNITION SWITCH IN RUN OR START
HOT IN ACCY, RUN AND START	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START

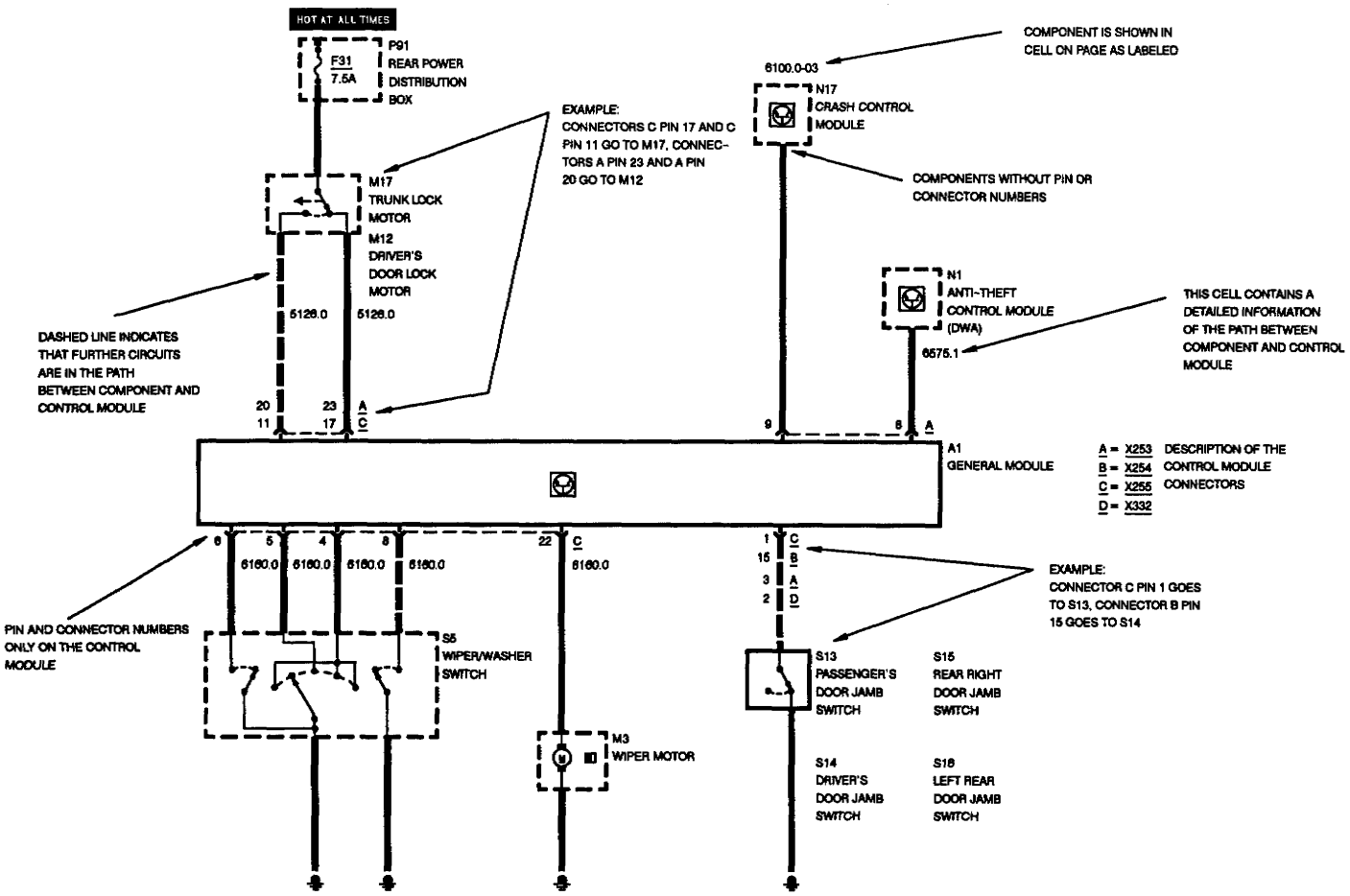
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SYMBOLS



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SYMBOLS
BLOCK DIAGRAM

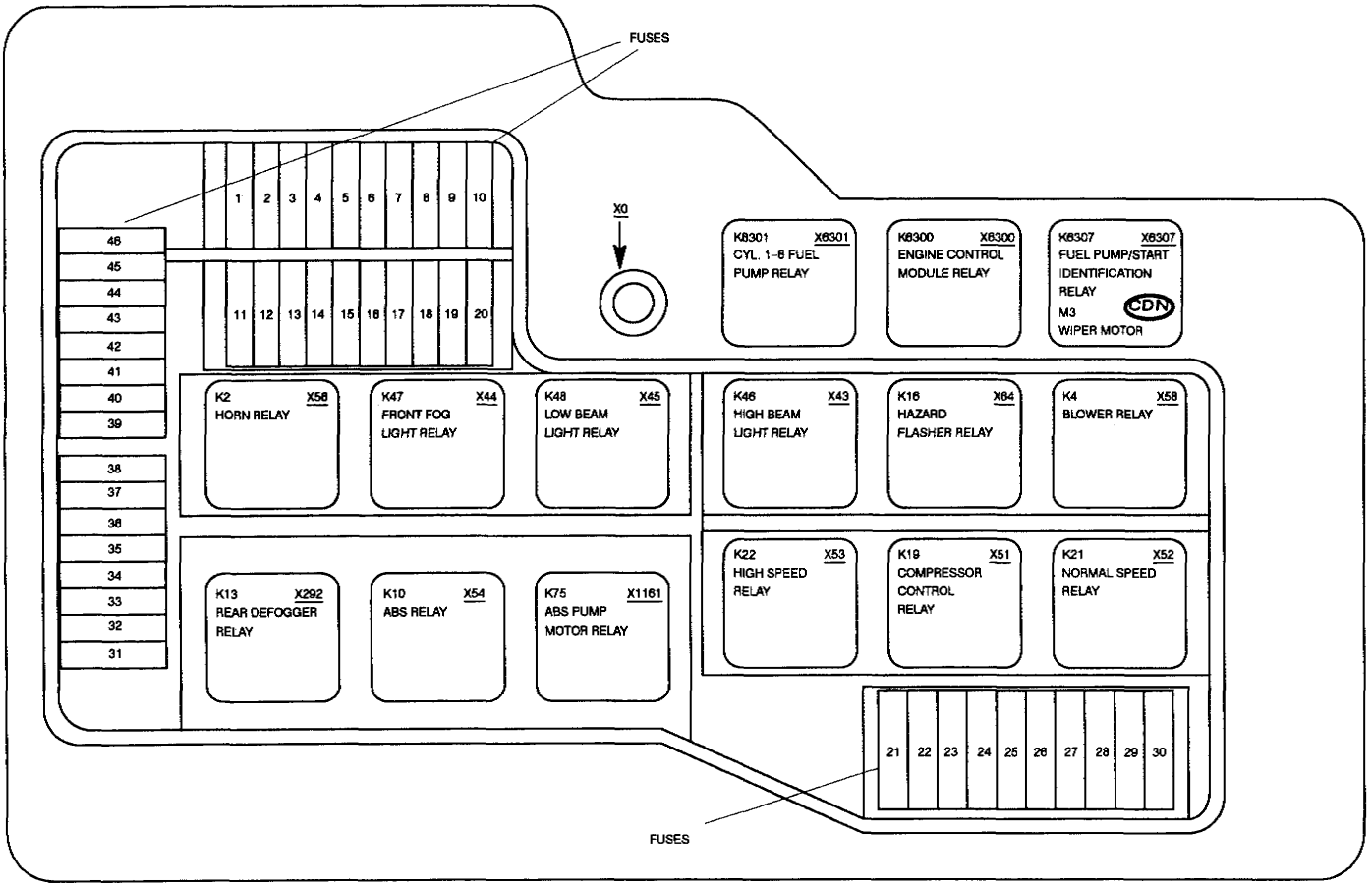


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POWER DISTRIBUTION CHART

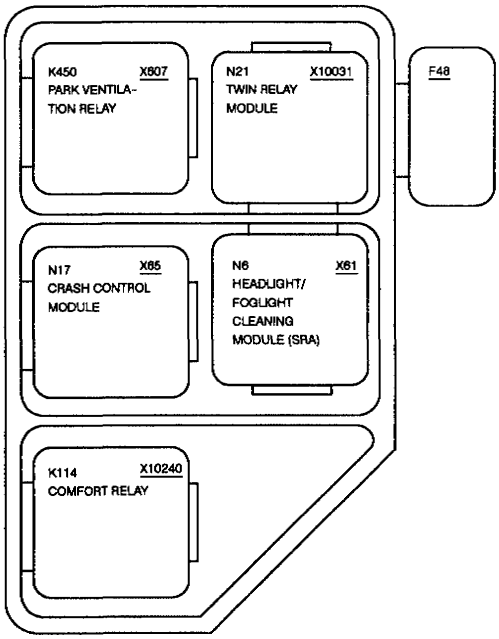
FRONT POWER DISTRIBUTION BOX



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POWER DISTRIBUTION CHART

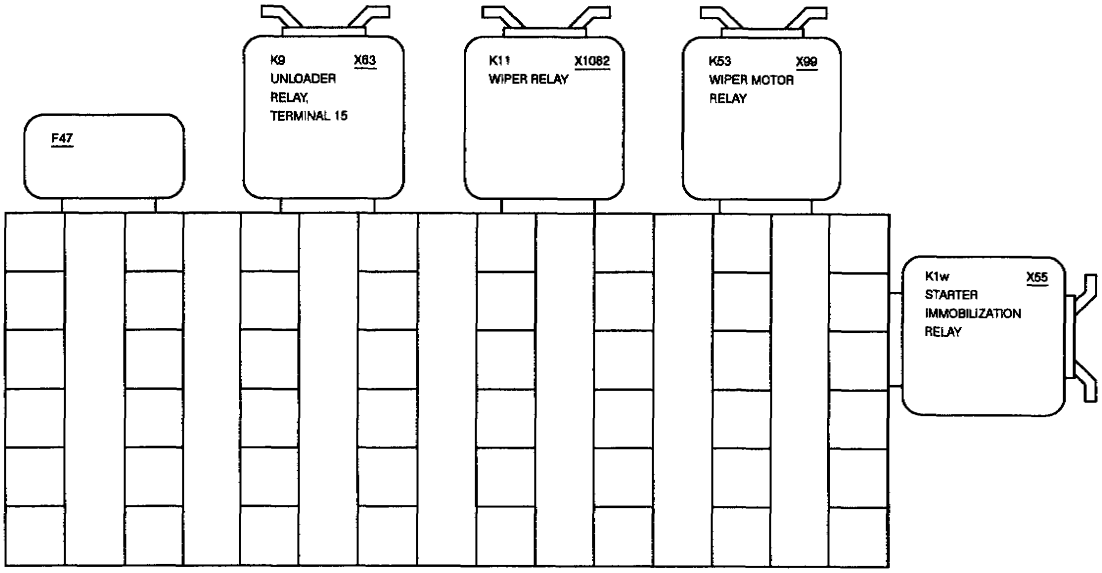
RELAY PANEL UNDER LH SIDE OF DASHBOARD



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POWER DISTRIBUTION CHART

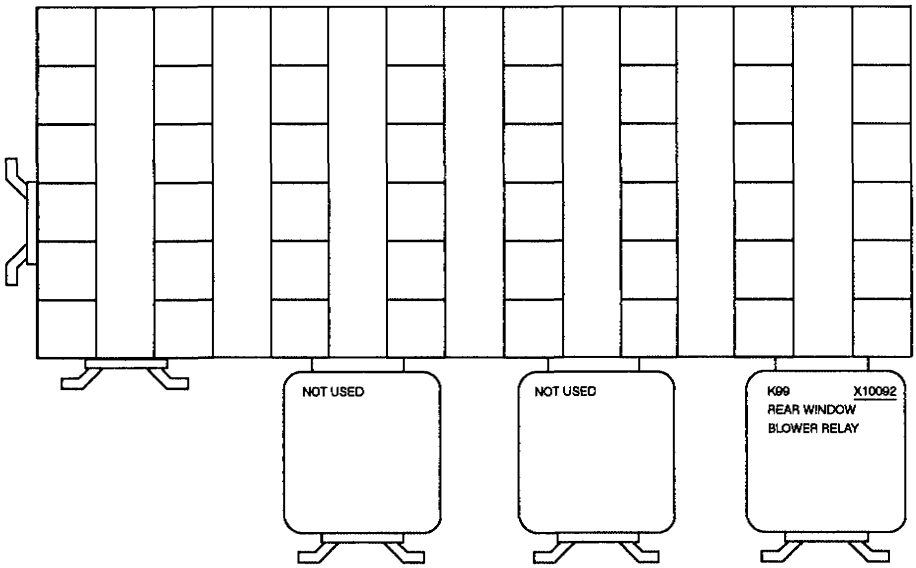
SPLICE PANEL UNDER LH SIDE OF DASHBOARD



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POWER DISTRIBUTION CHART

SPLICE PANEL UNDER RH SIDE OF DASHBOARD



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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	15A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	15A	5A	10A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
1210.9	ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)																●		●										●	
1210.10	ENGINE CONTROL SYSTEM MS40 (6-CYLINDER M50)																●		●										●	
1210.13	ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)																●		●										●	
1210.14	ENGINE CONTROL SYSTEM (DME M3.3, 6-CYLINDER S50 B30)																●		●											
1230.0	CHARGING SYSTEM																													
1240.0	START																										●		●	
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																										●		●	
2460.4	ELECTRONIC TRANSMISSION CONTROL (EGS A5S 310Z)																										●		●	
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																													
3450.0	SLIP CONTROL (ABS)										●											●		●				●		
3450.1	SLIP CONTROL (ABS/ASC)										●											●					●	●		
5116.0	POWER MIRRORS																								●					
5126.0	ZKE CENTRAL LOCKING (ZV)							●																			●		●	
5133.1	POWER WINDOWS (FH)														●					●										
5200.0	POWER SEATS					●																								
5203.0	HEATED SEATS				●																			●						
5410.1	POWER SUN ROOF (SHD)	●												●																
5430.0	ELECTRO- MECHANICAL CONVERTIBLE TOP							●																				●		
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)							●							●															
6133.0	HORN								●																					

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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	15A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	15A	5A	10A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6160.1	WIPER/WASHER MODULE (WWM)																													
6167.1	HEADLIGHT WASHER (SRA)			●																										
6211.0	INSTRUMENT CLUSTER																							●				●		
6213.2	MULTI-FUNCTION CLOCK																							●			●	●		
6214.0	ON-BOARD DISPLAY																							●				●		
6300.0	LIGHT SWITCH DETAILS																						●			●				
6312.0	HEADLIGHTS/ FOG LIGHTS											●	●			●		●						●		●				●
6313.0	TURN/HAZARD LIGHTS																							●						
6314.0	PARK/TAIL/ UNDERHOOD LIGHTS																													
6320.0	LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS																													
6322.0	BACK UP LIGHTS																										●			
6325.0	BRAKE LIGHTS																													
6330.3	INTERIOR LIGHTS							●																						
6332.1	GLOVE BOX LIGHT/CASSETTE BOX/ASHTRAY LIGHT/ CHARGING																													
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			●						●																				

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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	15A	30A	15A	30A	20A	5A	15A	20A	30A	7.5A	7.5A	5A	30A	15A	5A	10A	15A	30A	30A	5A	5A	5A	10A	5A	10A	5A	5A	7.5A
6561.0	CELLULAR TELEPHONE (PROVISIONS)																													
6571.0	CRUISE CONTROL (TEMPOMAT)																												●	
6575.2	ANTI-THEFT SYSTEM (ALPINE)																													
6581.2	ON-BOARD COMPUTER (BC V)											●	●											●			●	●		

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BMW 3 FUSE CHART

FUSES 30 TO 47

		FUSE NUMBER																	
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	30A	7.5A	5A	15A	7.5A	15A	15A	40A
1210.9	ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)																			
1210.10	ENGINE CONTROL SYSTEM MS40 (6-CYLINDER M50)										●									
1210.13	ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)																			
1210.14	ENGINE CONTROL SYSTEM (DME M3.3, 6-CYLINDER S50 B30)										●									
1230.0	CHARGING SYSTEM																			
1240.0	START																			
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																	●		
2460.4	ELECTRONIC TRANSMISSION CONTROL (EGS A5S 310Z)																			
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)													●	●					
3450.0	SLIP CONTROL (ABS)									●								●	●	
3450.1	SLIP CONTROL (ABS/ASC)									●								●		
5116.0	POWER MIRRORS																			
5126.0	ZKE CENTRAL LOCKING (ZV)						●													
5133.1	POWER WINDOWS (FH)																			
5200.0	POWER SEATS											●								
5203.0	HEATED SEATS																			
5410.1	POWER SUN ROOF (SHD)																			
5430.0	ELECTRO- MECHANICAL CONVERTIBLE TOP						●							●	●					
6100.0	CENTRAL BODY ELECTRONICS (ZKE IV)				●		●								●					
6133.0	HORN																			

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FUSE CHART

FUSES 30 TO 47

		FUSE NUMBER																	
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
		7.5A	5A	30A	10A	15A	25A	30A	10A	30A	7.5A	30A	30A	7.5A	5A	15A	7.5A	15A	15A	40A
6160.1	WIPER/WASHER MODULE (WWM)							●								●	●			
6167.1	HEADLIGHT WASHER (SRA)																			
6211.0	INSTRUMENT CLUSTER		●															●		
6213.2	MULTI-FUNCTION CLOCK		●														●	●		
6214.0	ON-BOARD DISPLAY		●														●	●		
6300.0	LIGHT SWITCH DETAILS				●				●											
6312.0	HEADLIGHTS/ FOG LIGHTS	●																		
6313.0	TURN/HAZARD LIGHTS					●														
6314.0	PARK/TAIL/ UNDERHOOD LIGHTS				●				●											
6320.0	LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS				●				●											
6322.0	BACK UP LIGHTS																			
6325.0	BRAKE LIGHTS																	●		
6330.3	INTERIOR LIGHTS				●										●					
6332.1	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				●											●				

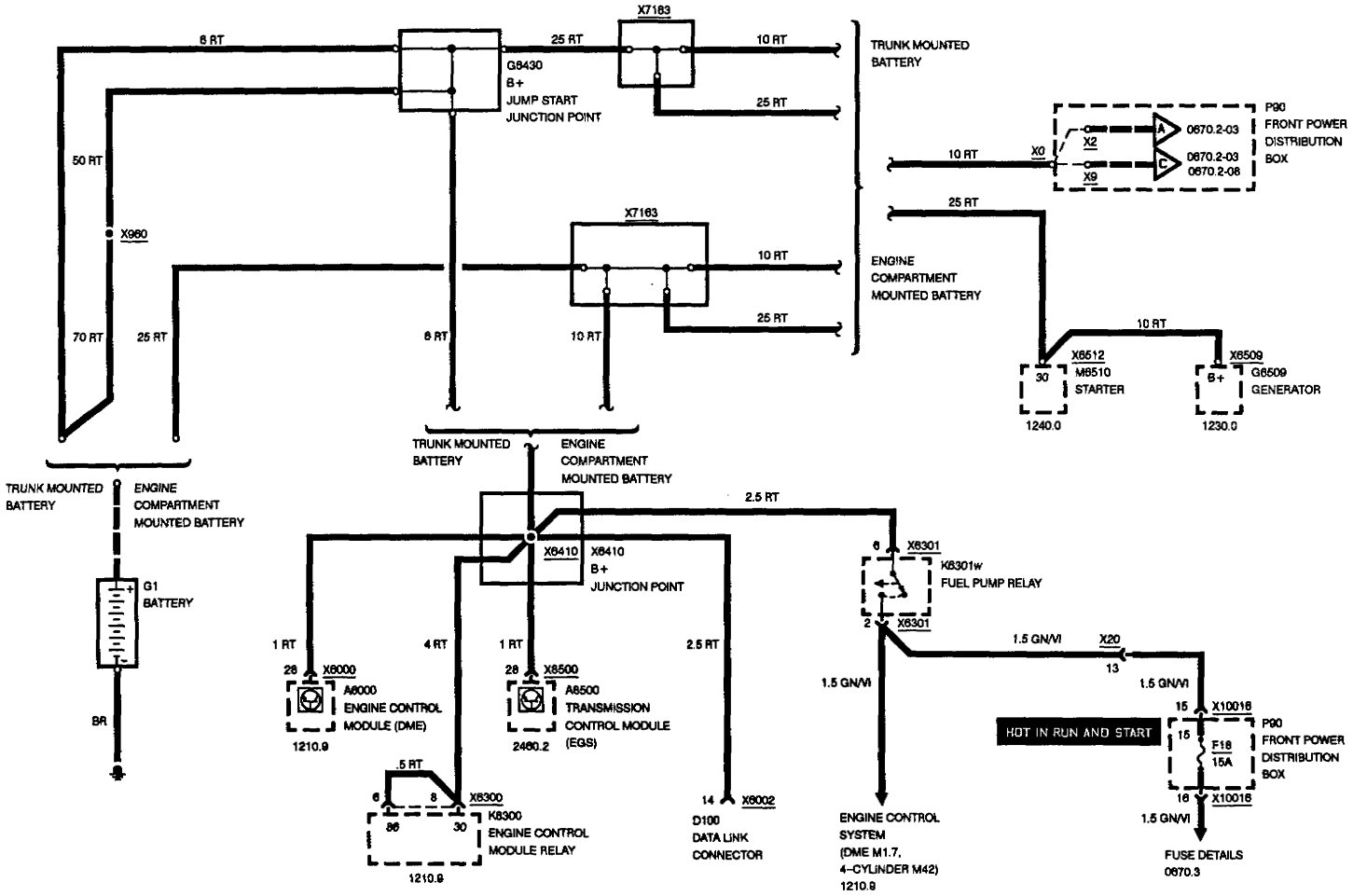
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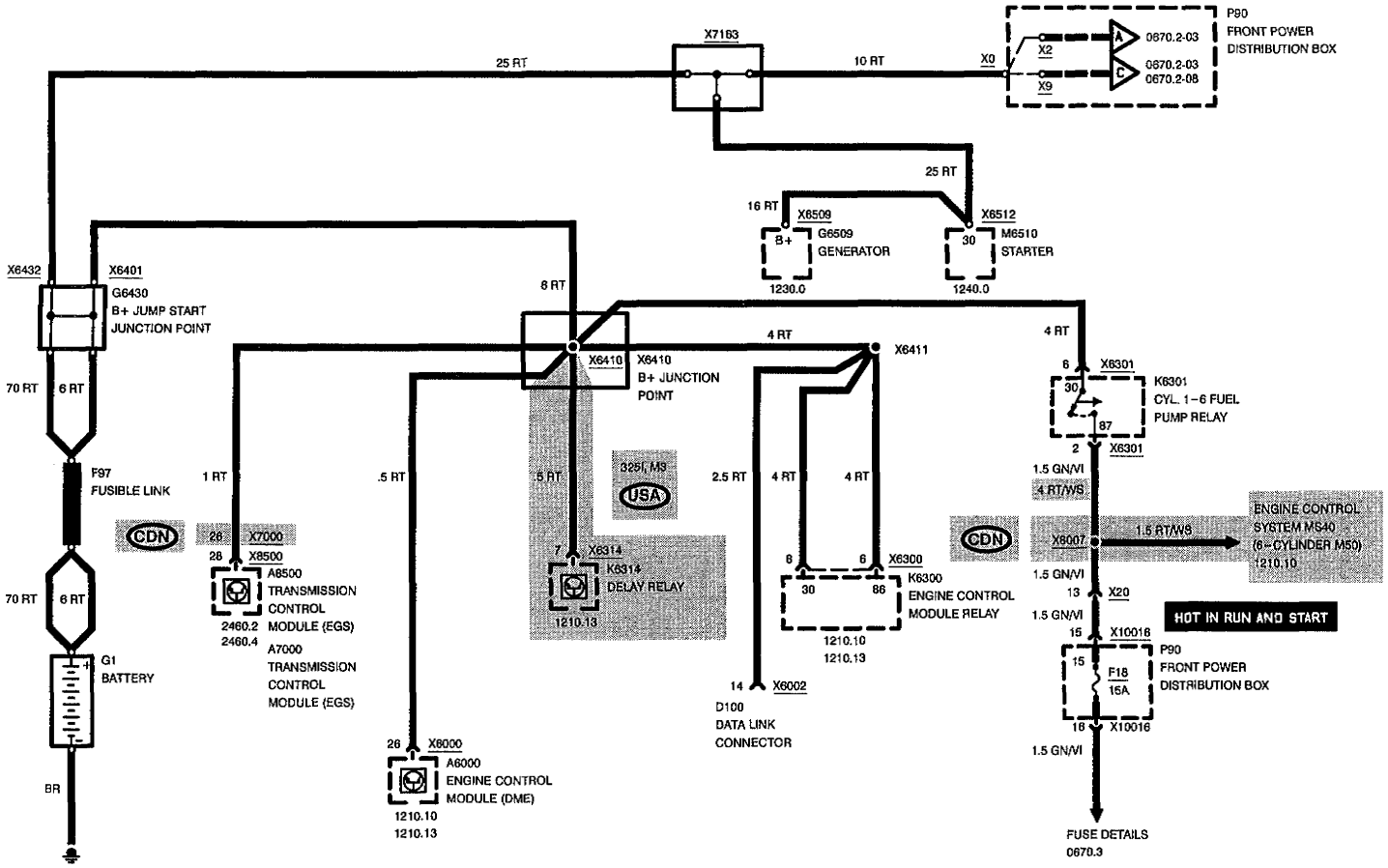
FUSES 30 TO 47

		FUSE NUMBER																	
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6561.0	CELLULAR TELEPHONE (PROVISIONS)				●										●					
6571.0	CRUISE CONTROL (TEMPOMAT)																	●		
6575.2	ANTI-THEFT SYSTEM (ALPINE)														●				●	
6581.2	ON-BOARD COMPUTER (BC V)		●		●				●								●	●		

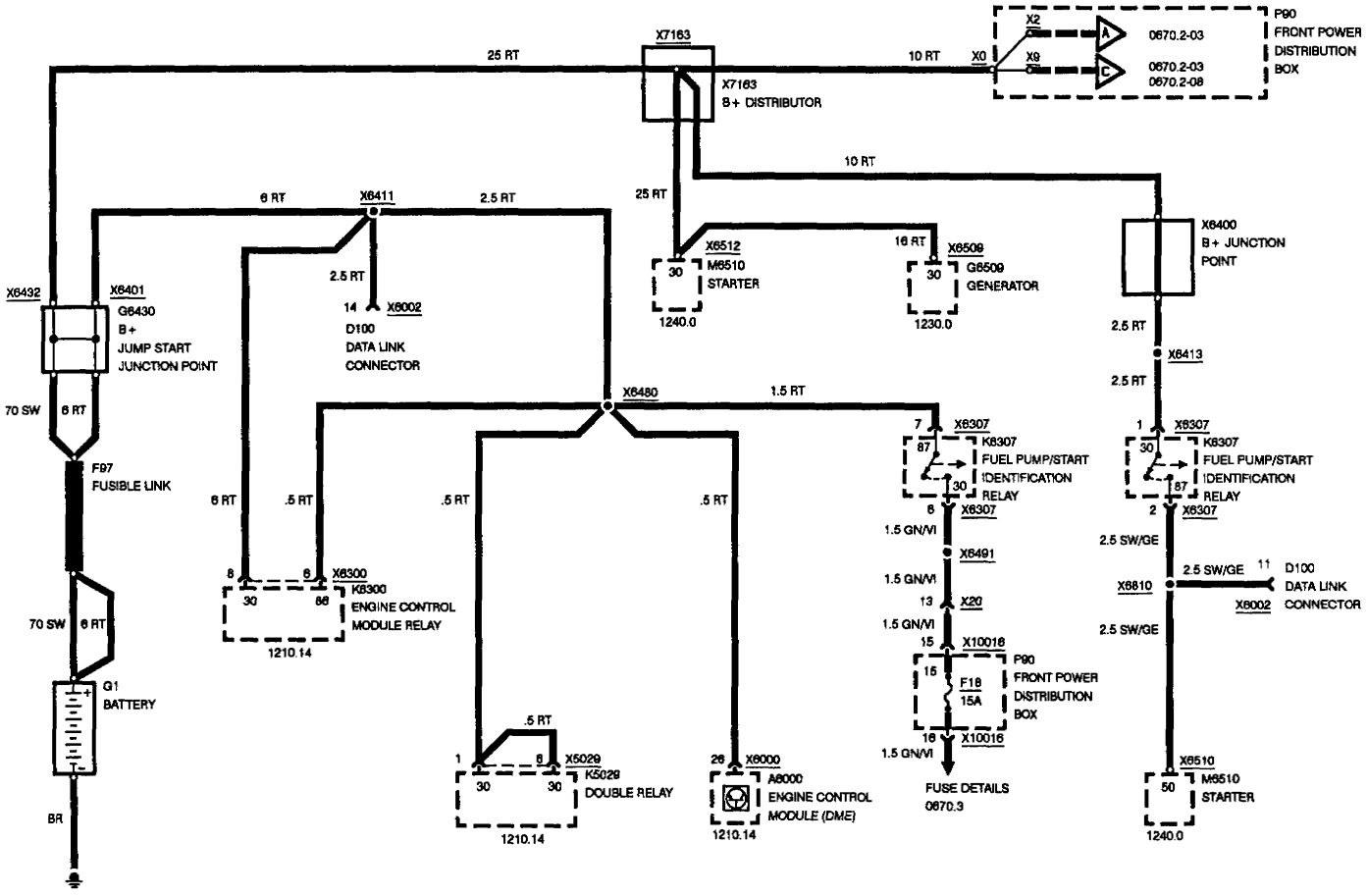
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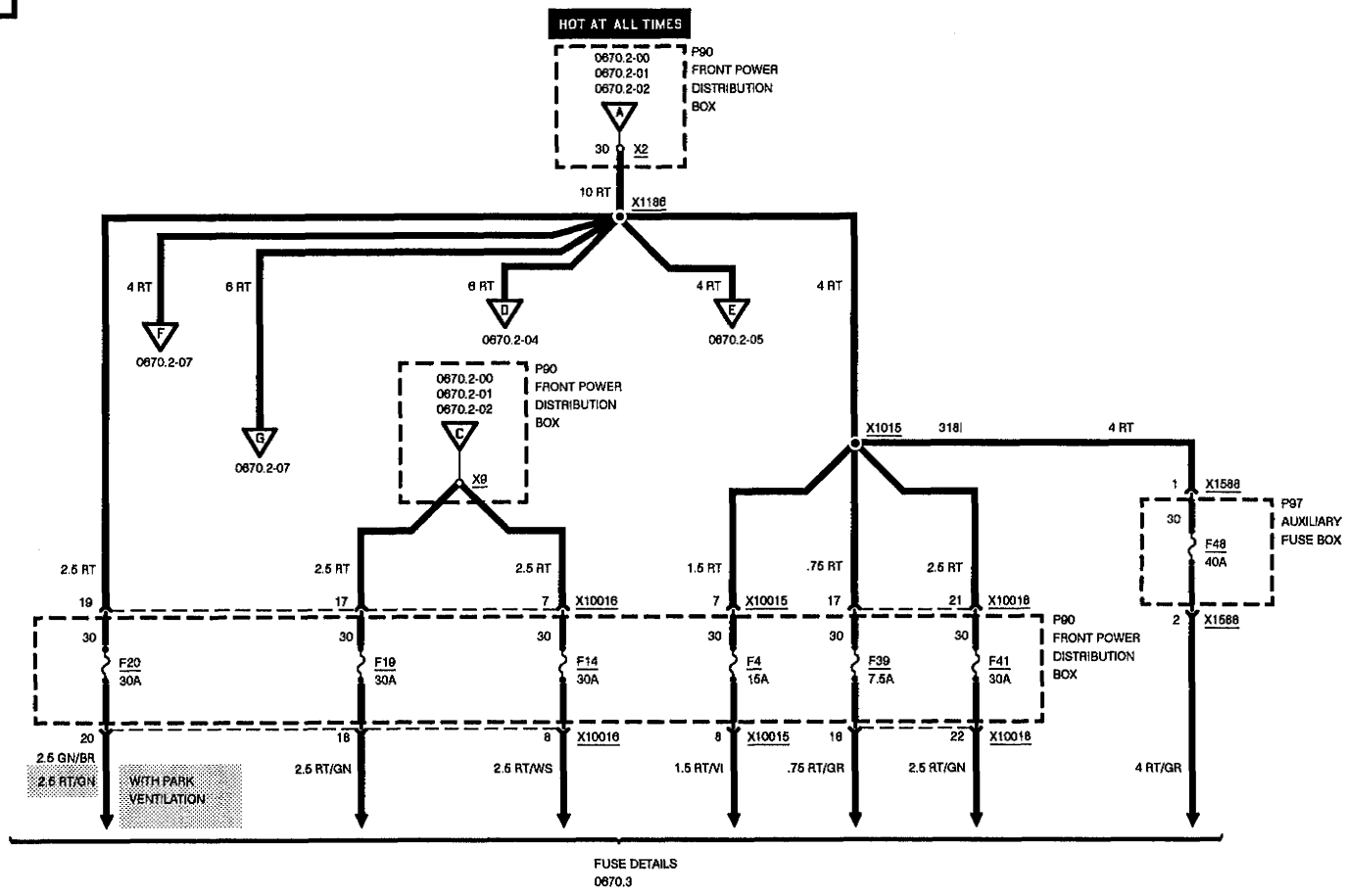


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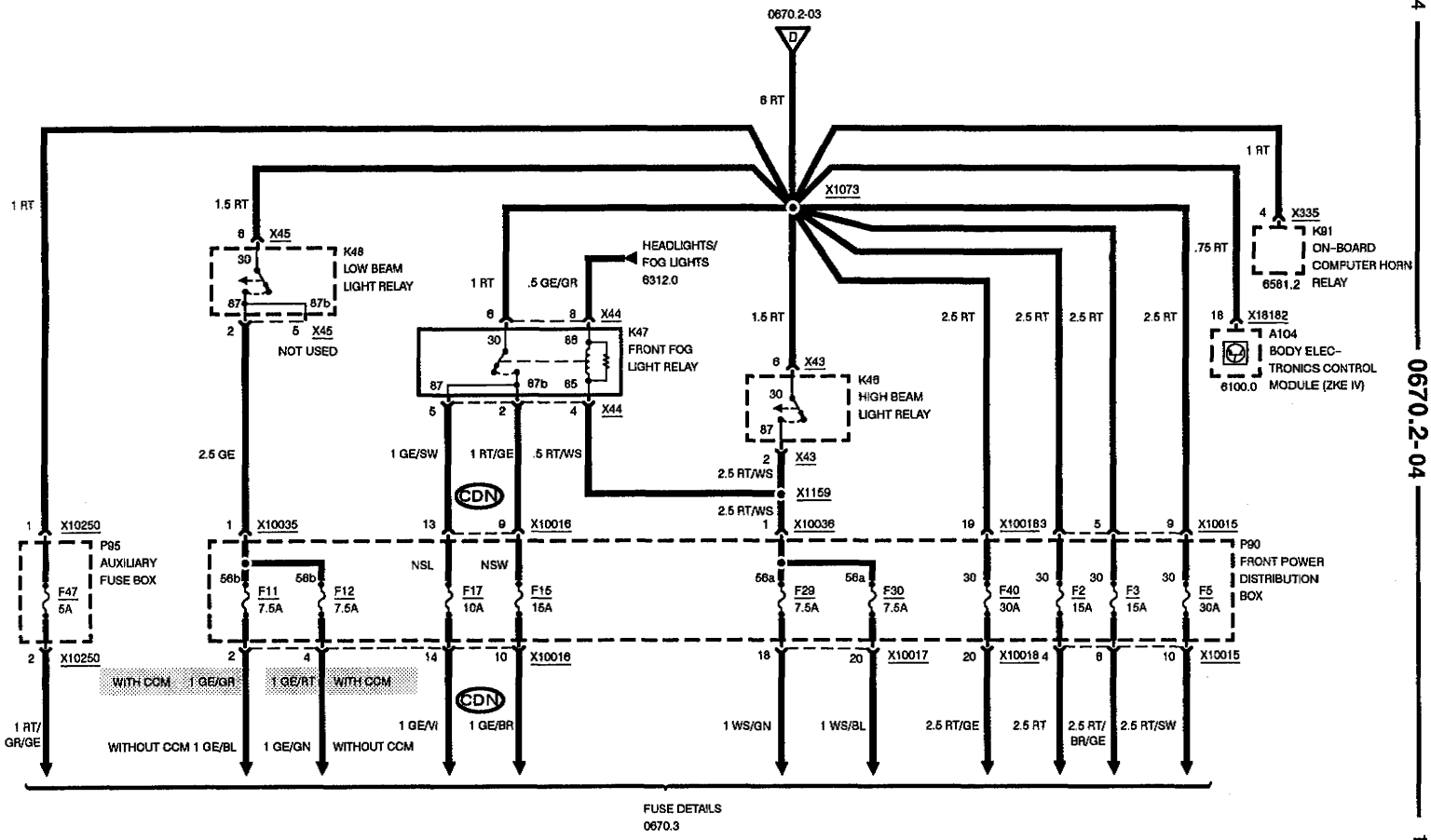
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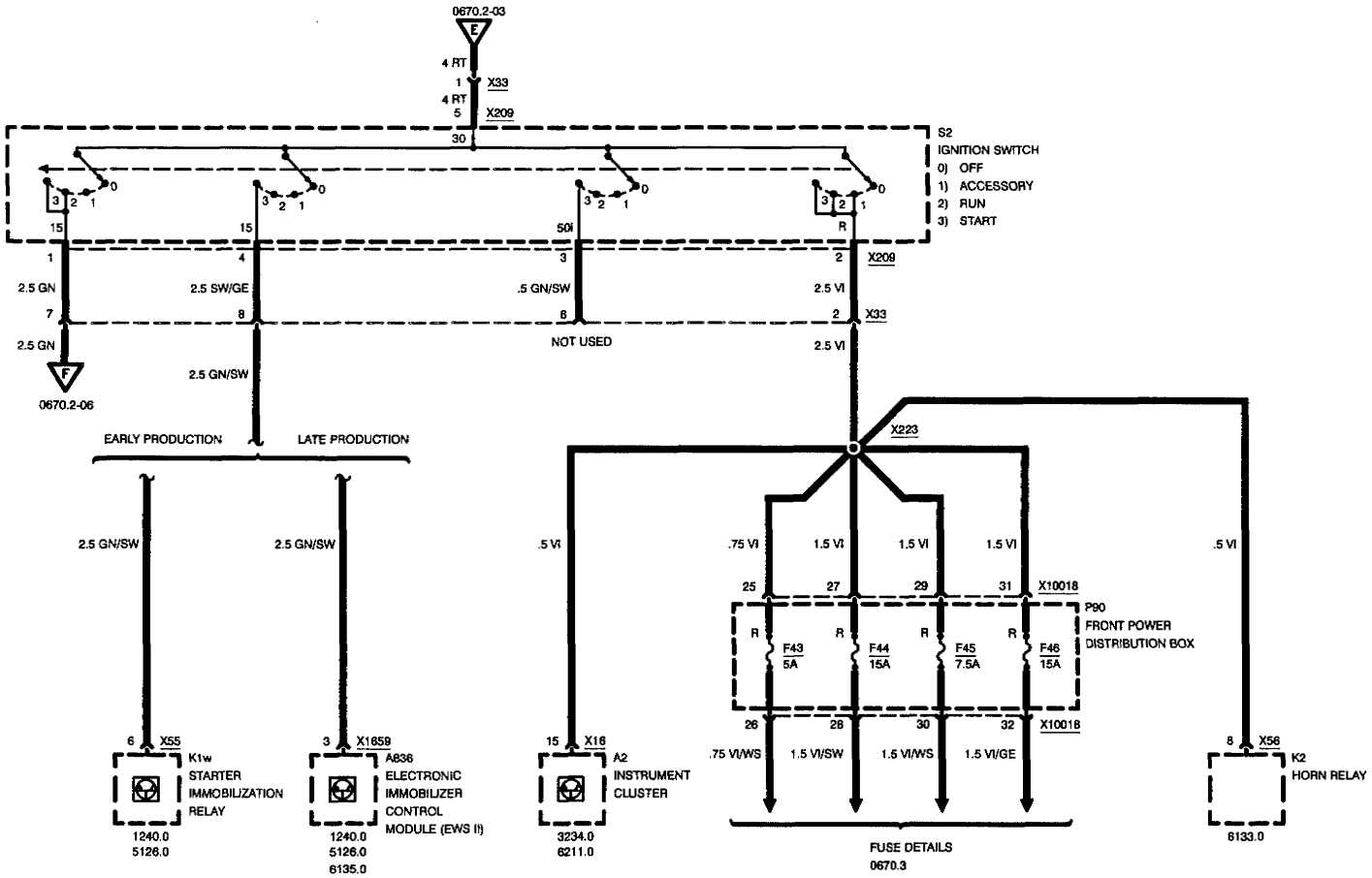
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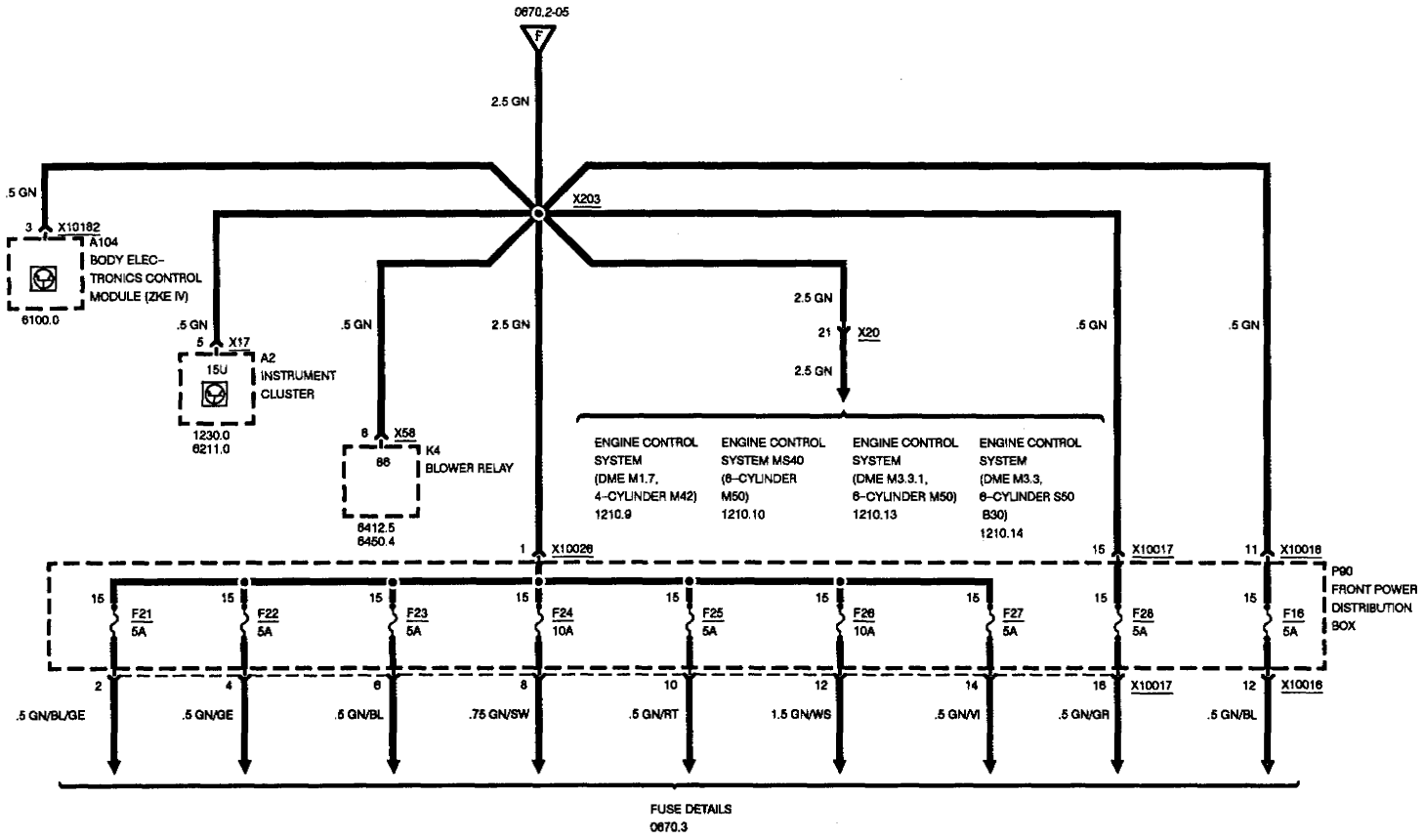
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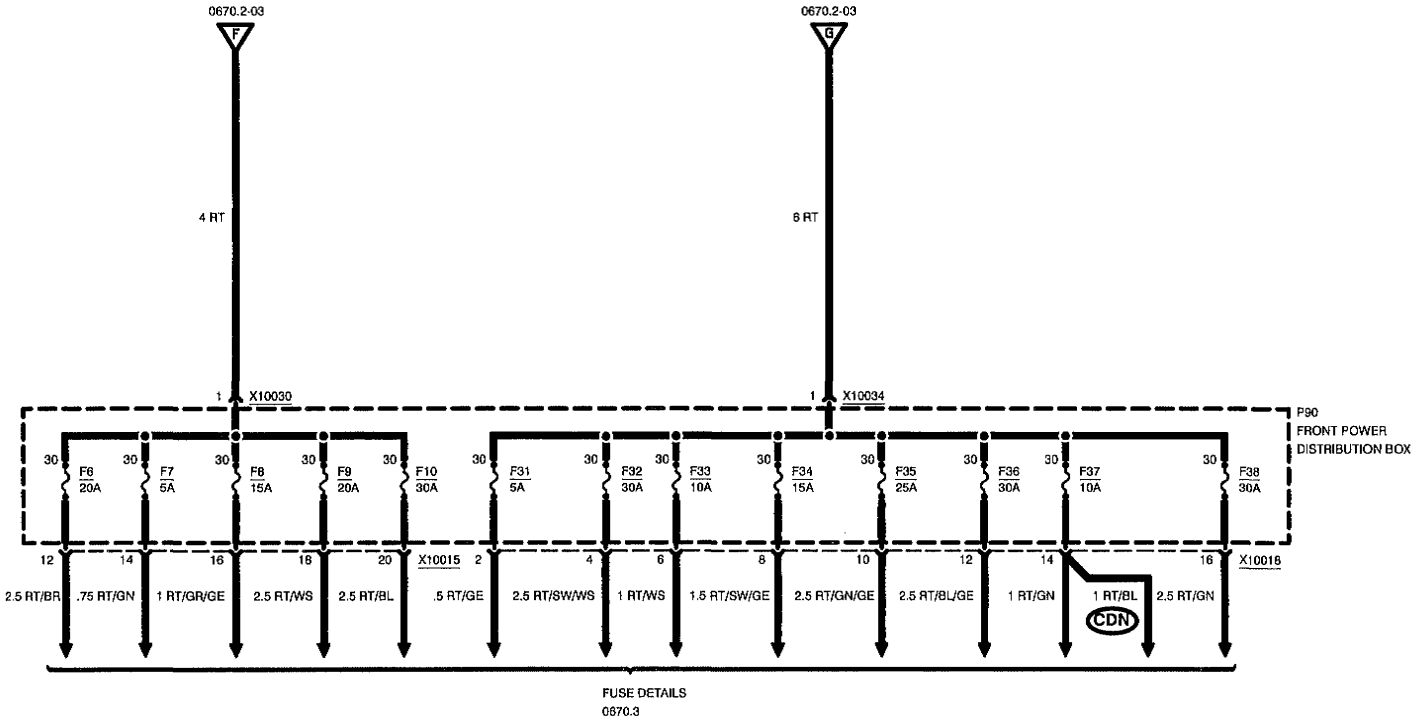
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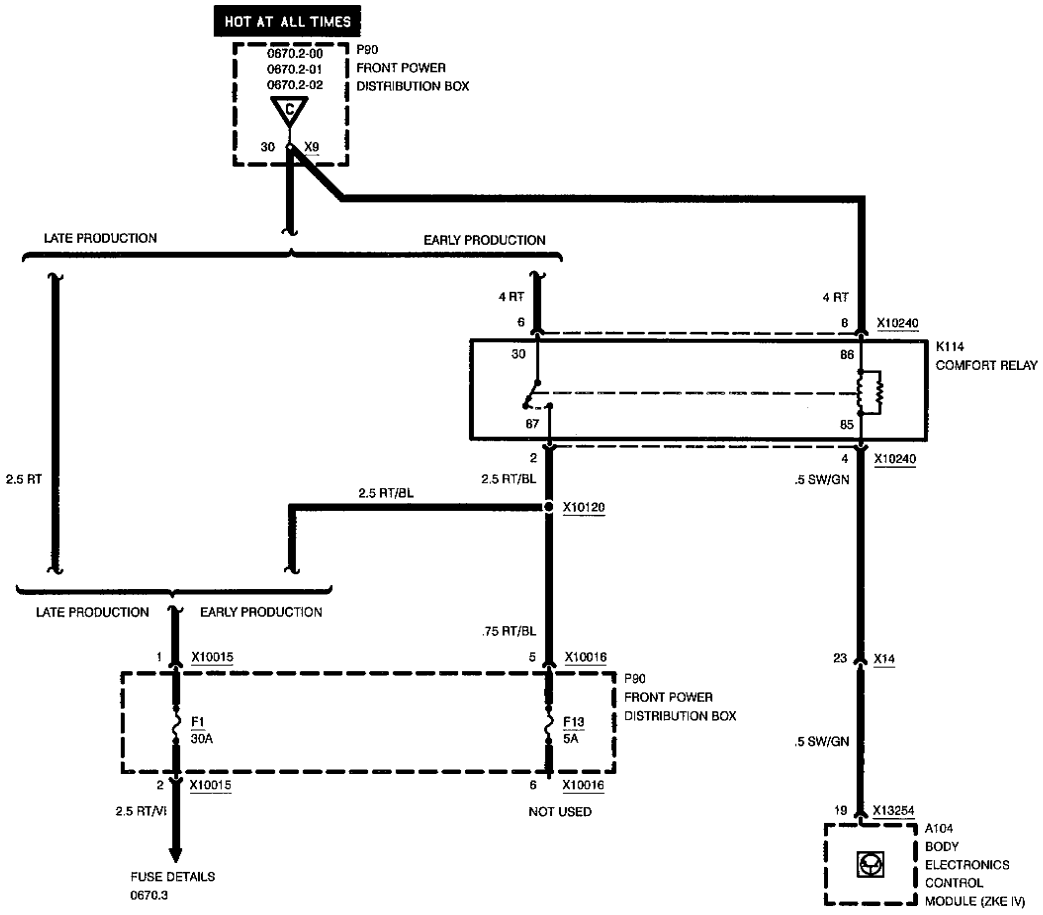
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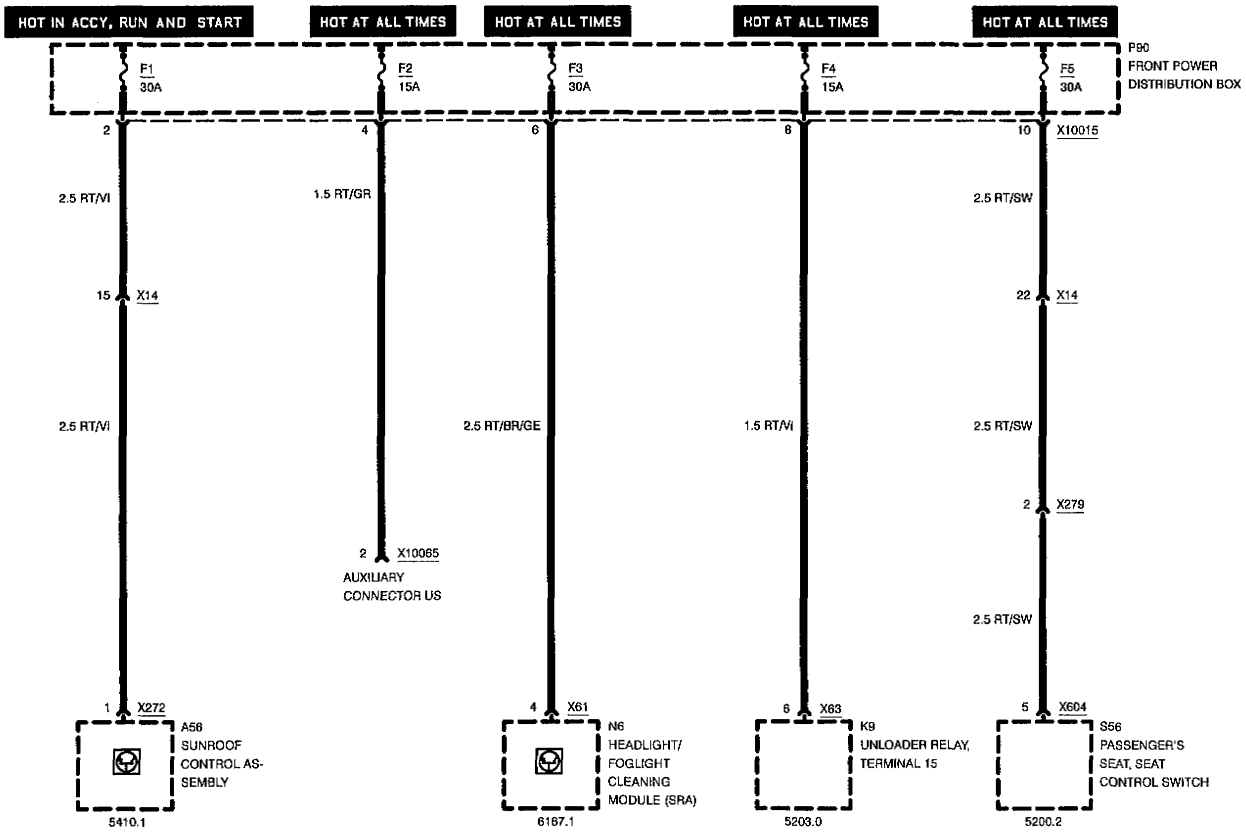


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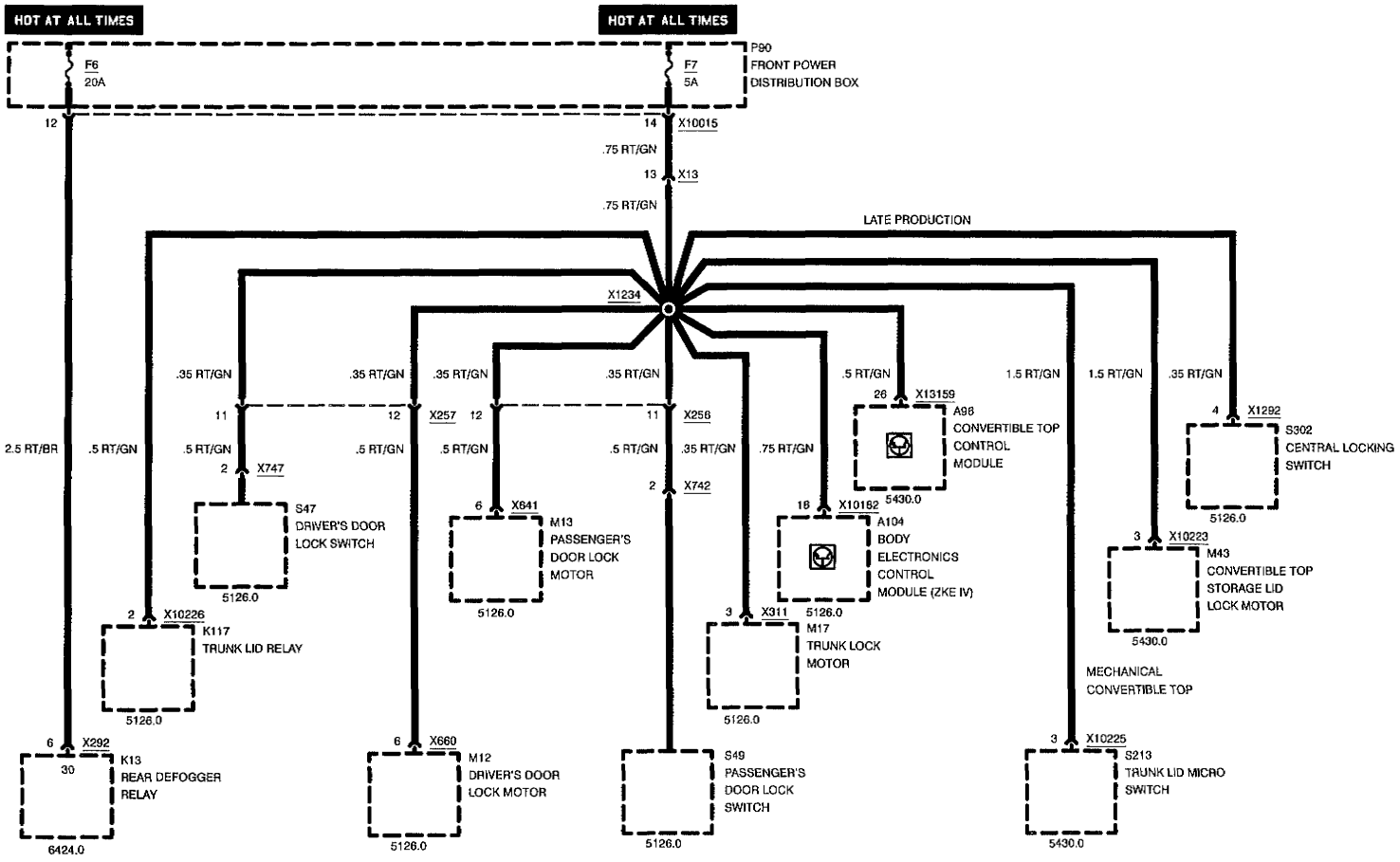
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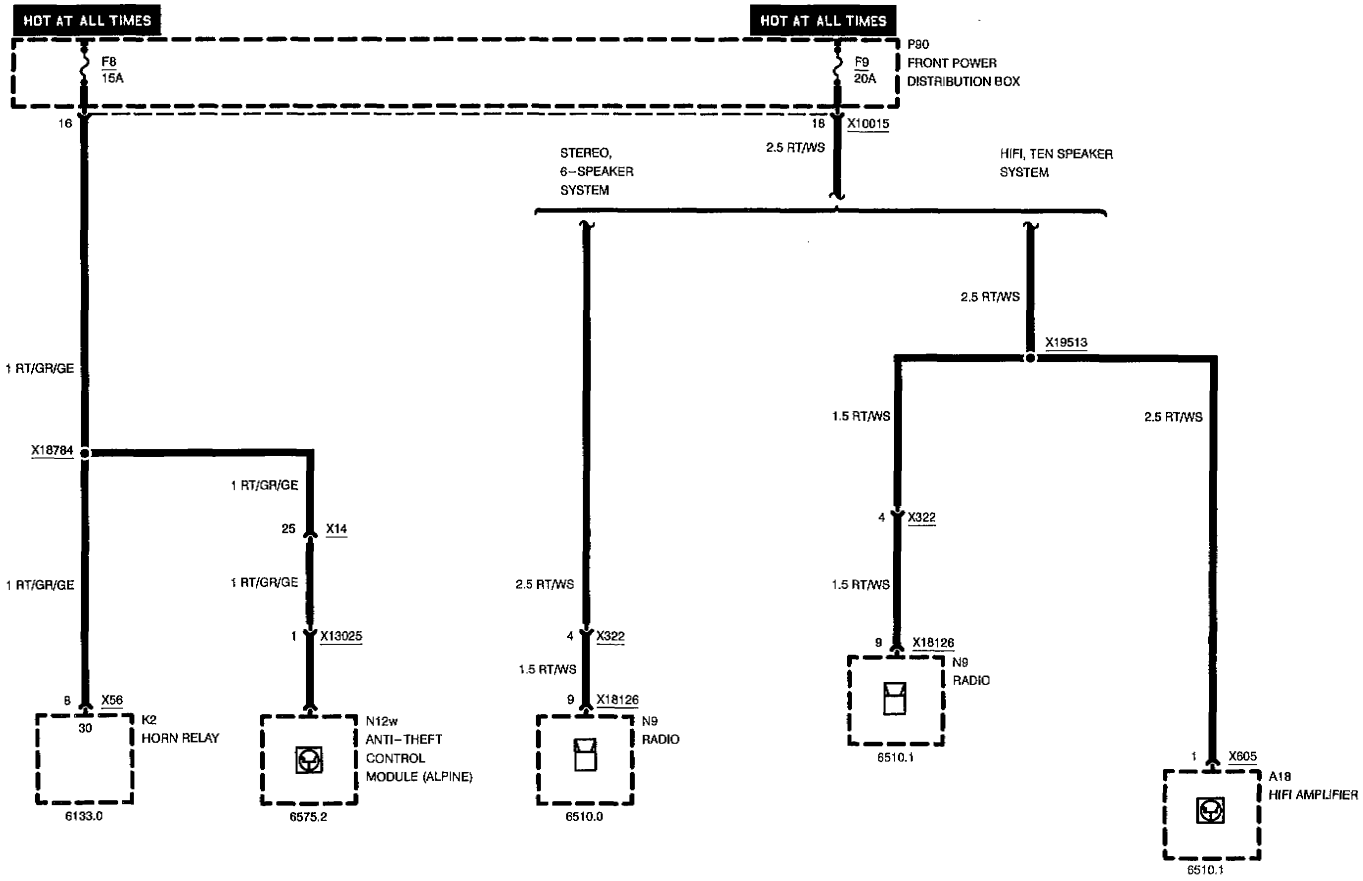
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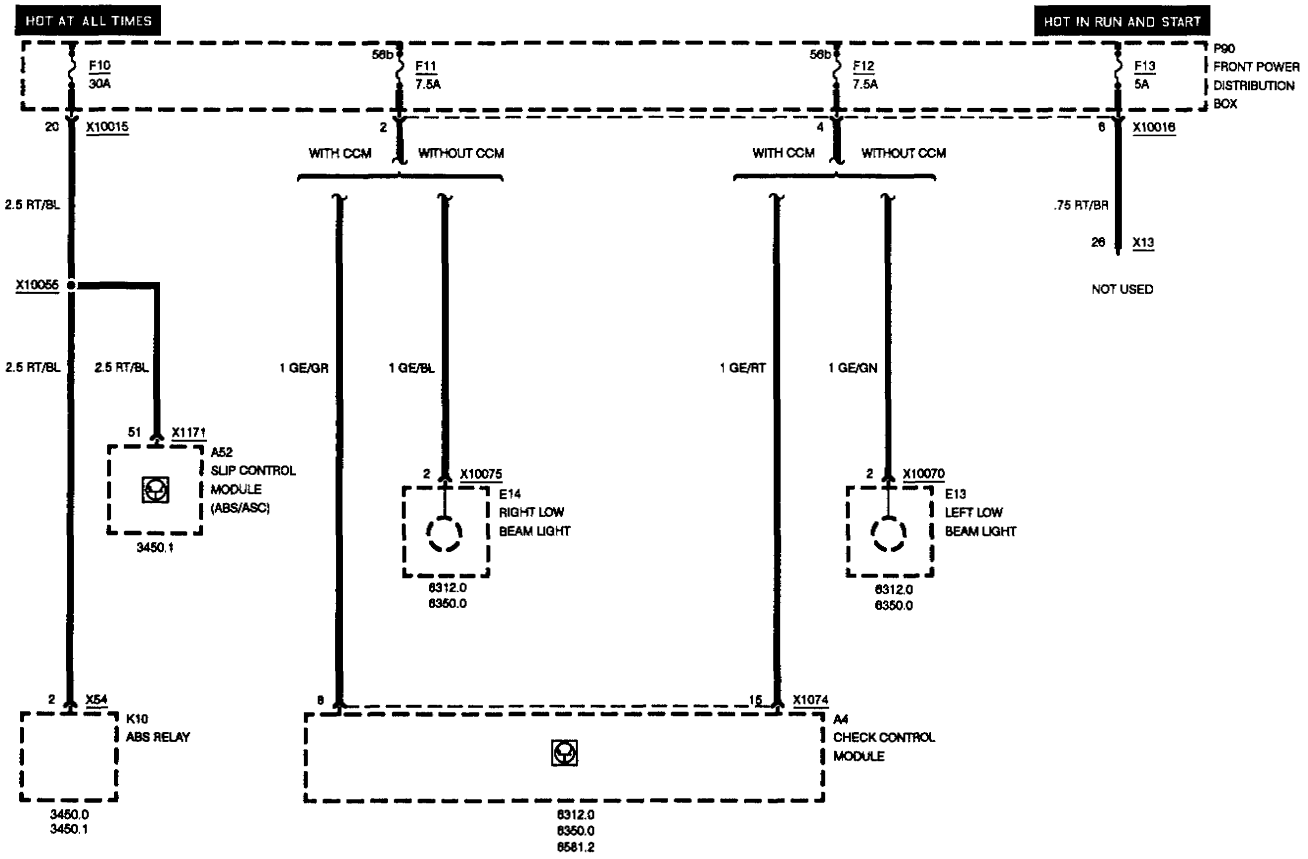
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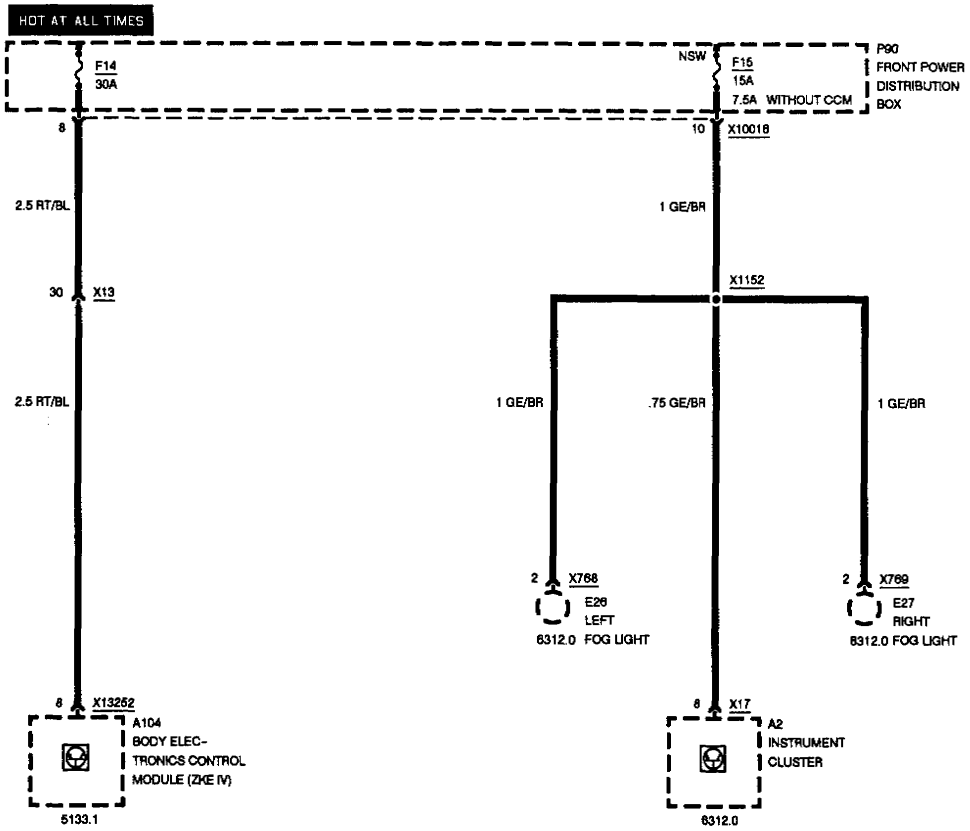
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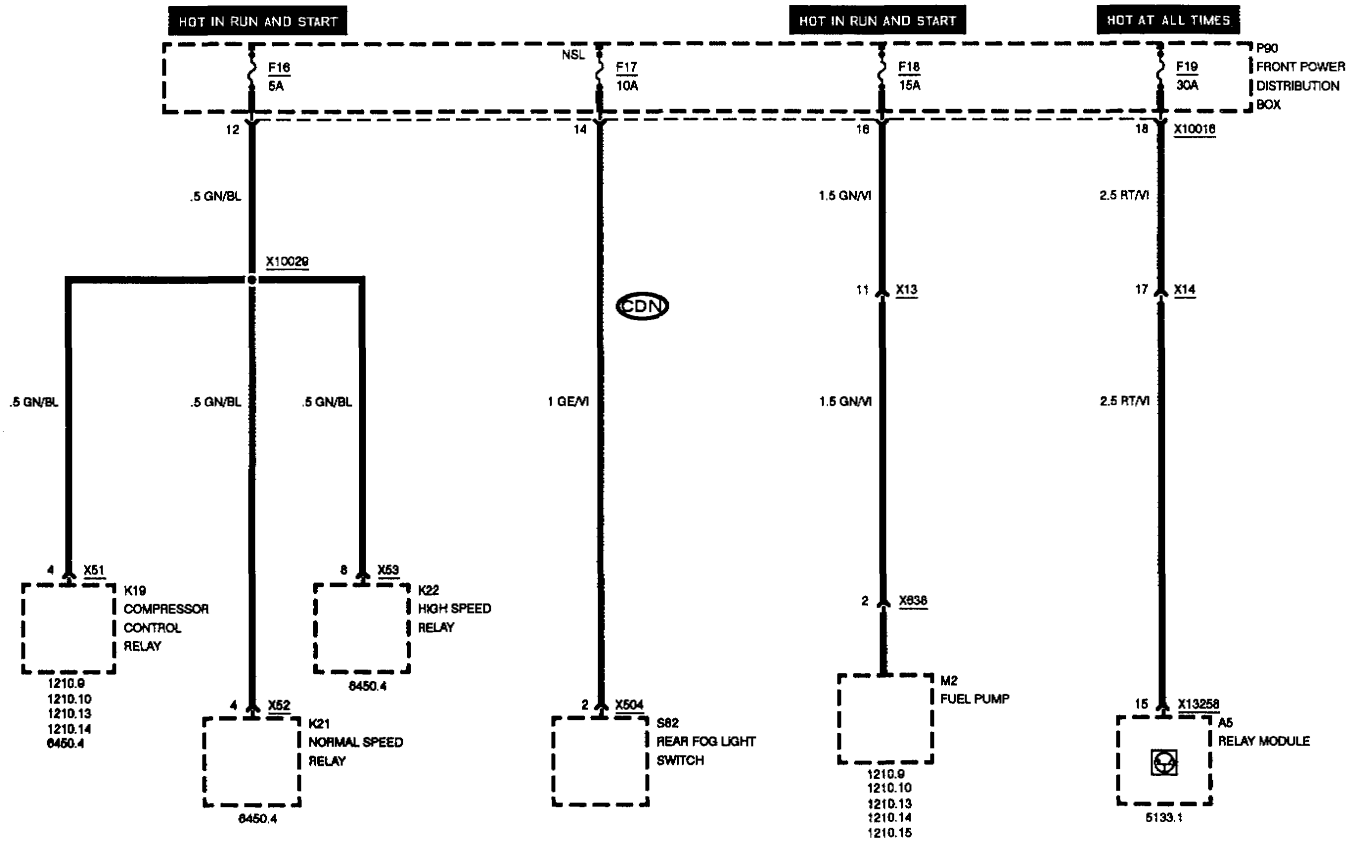
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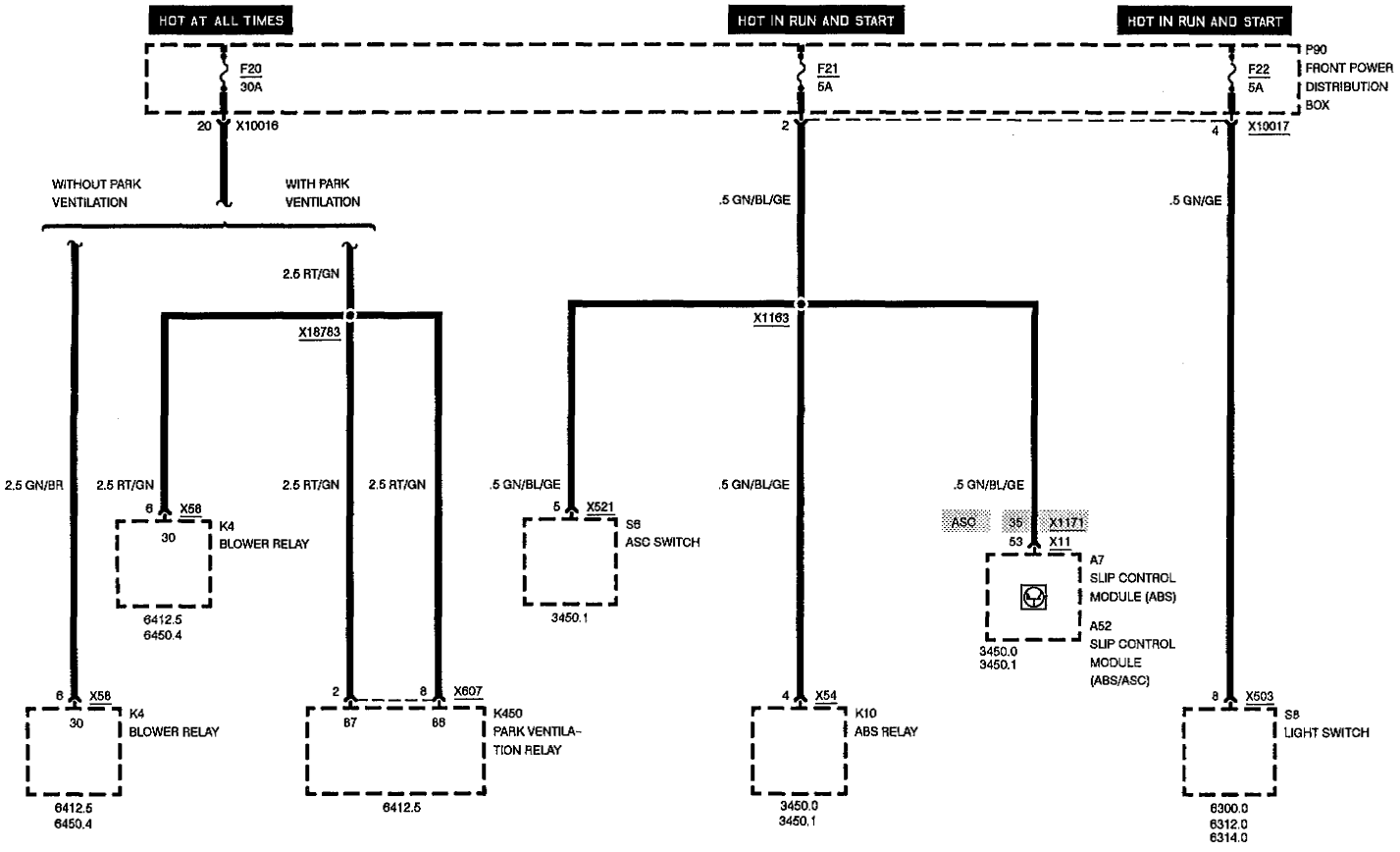
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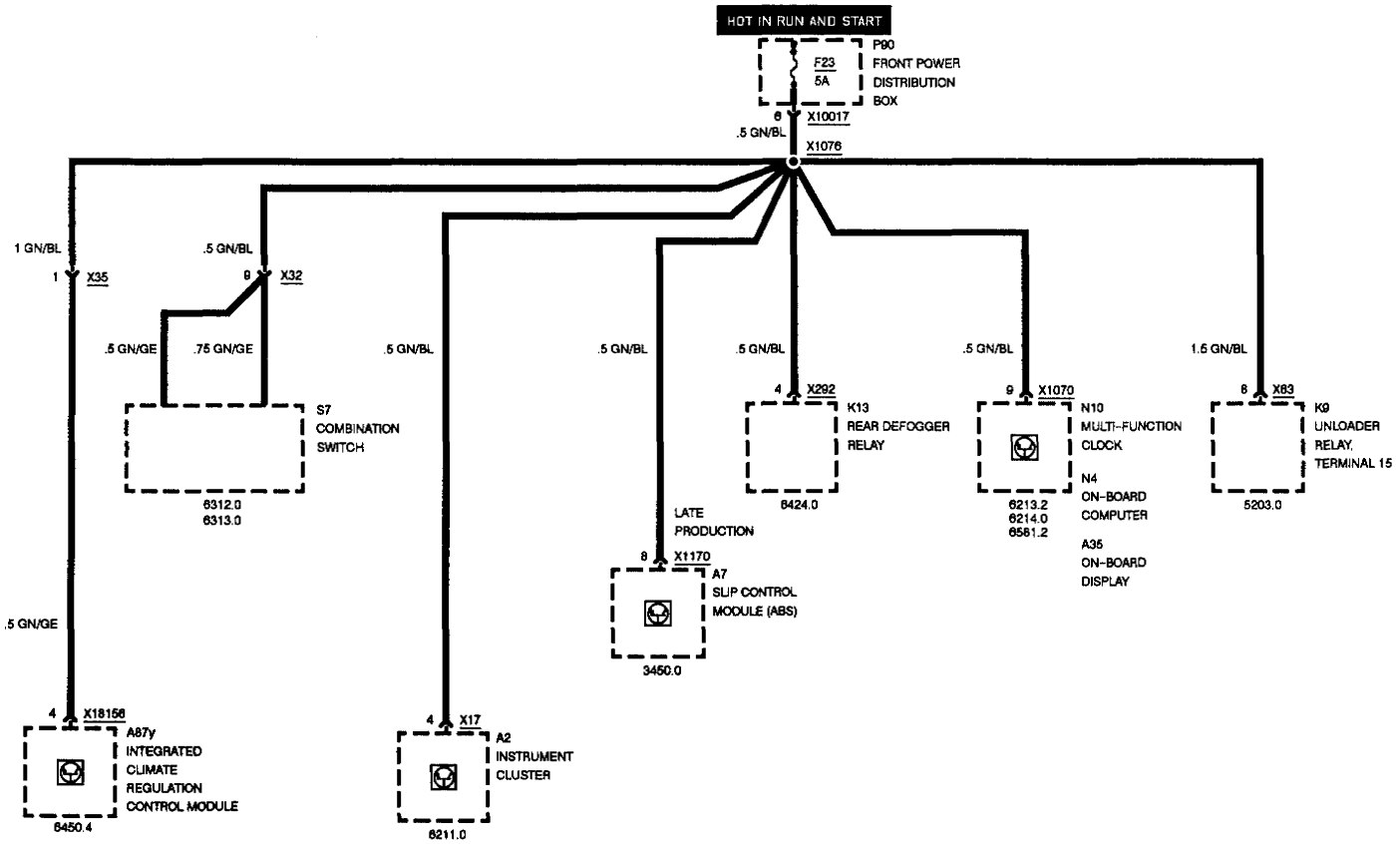
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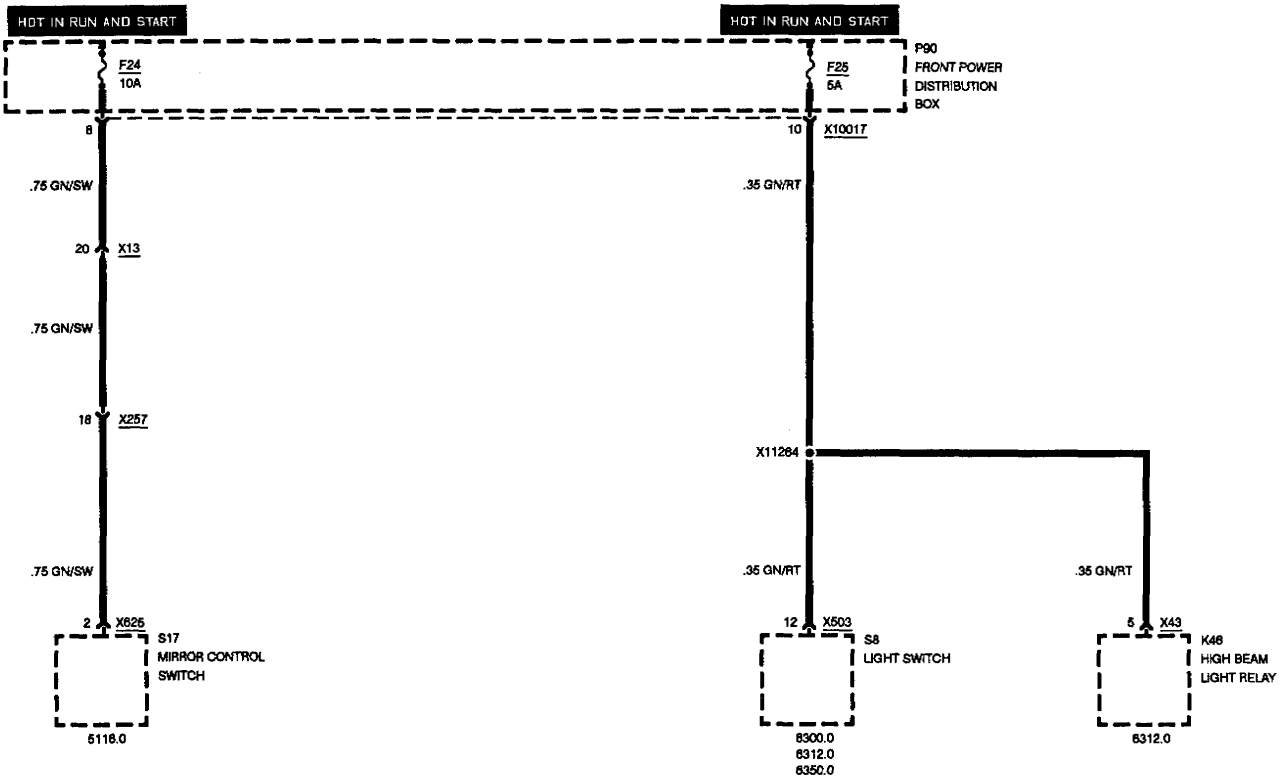
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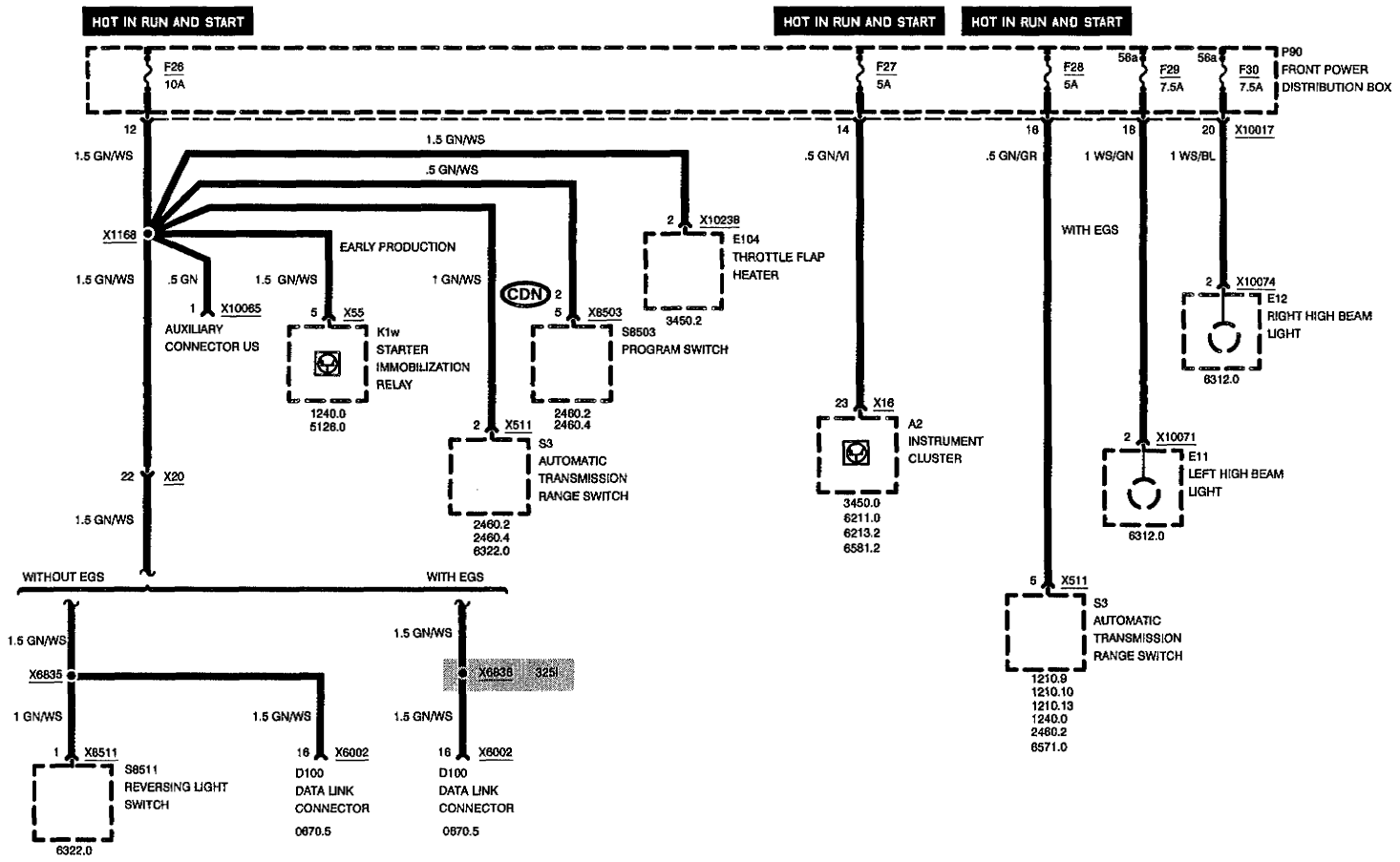
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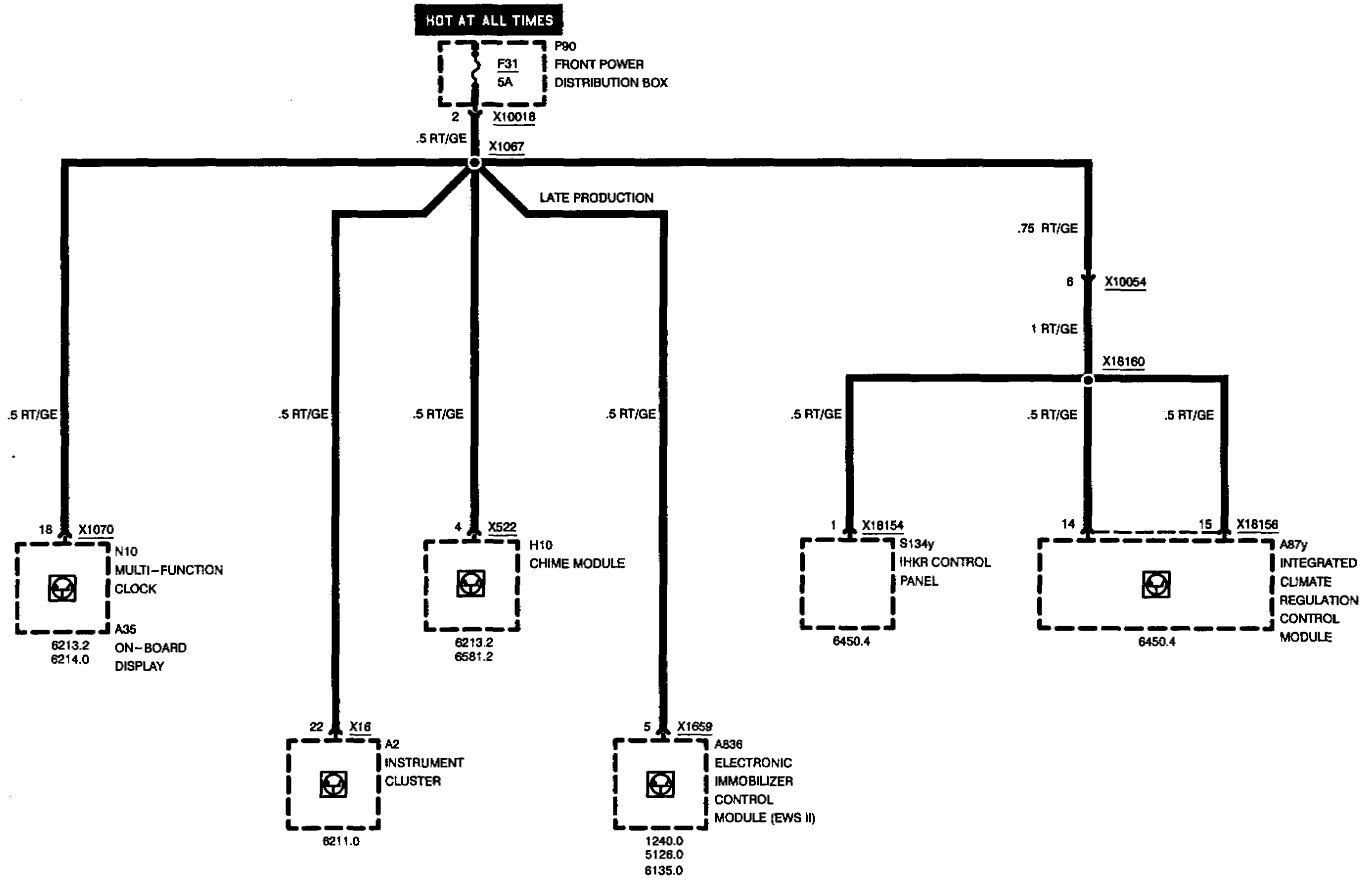
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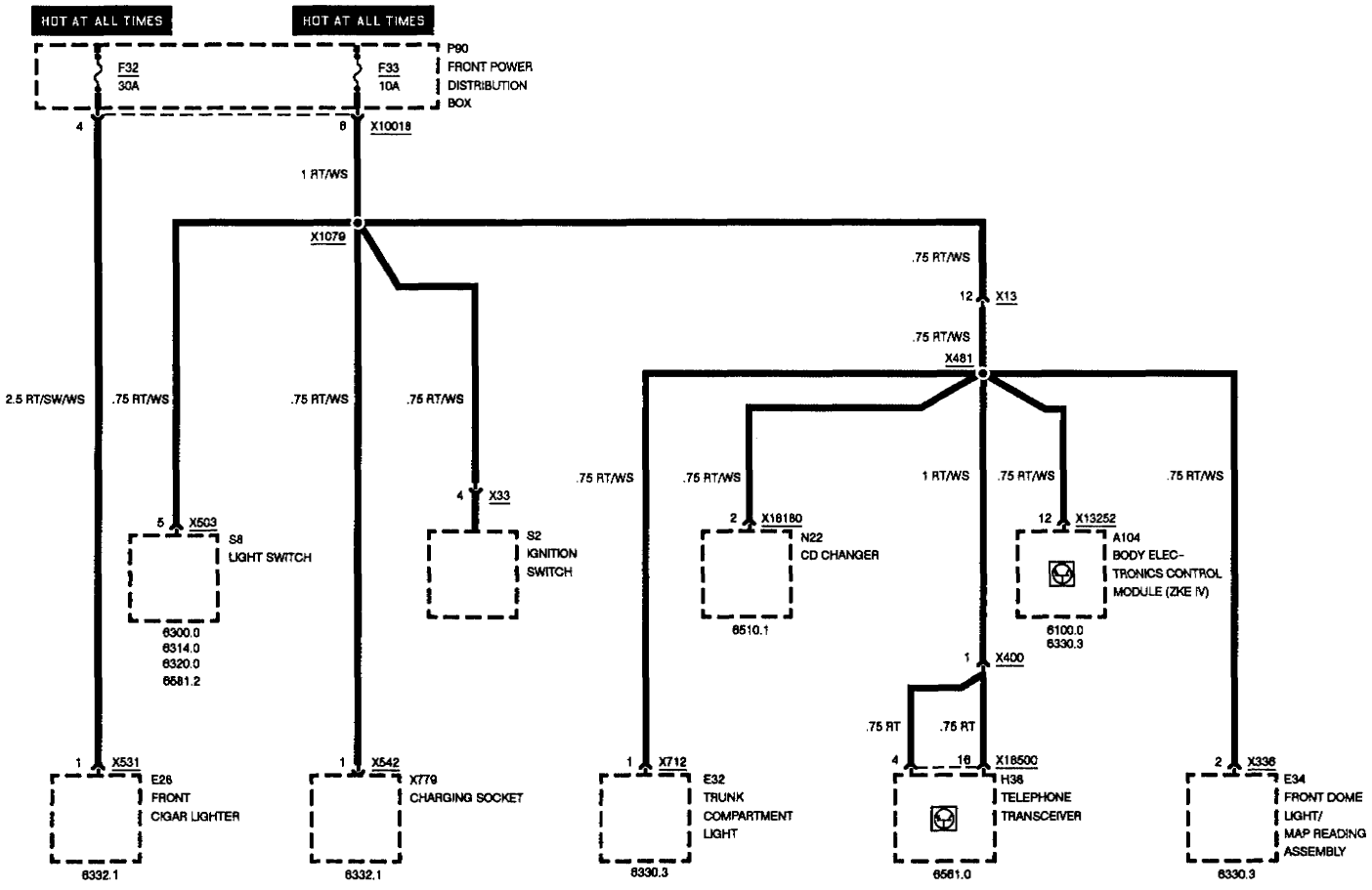
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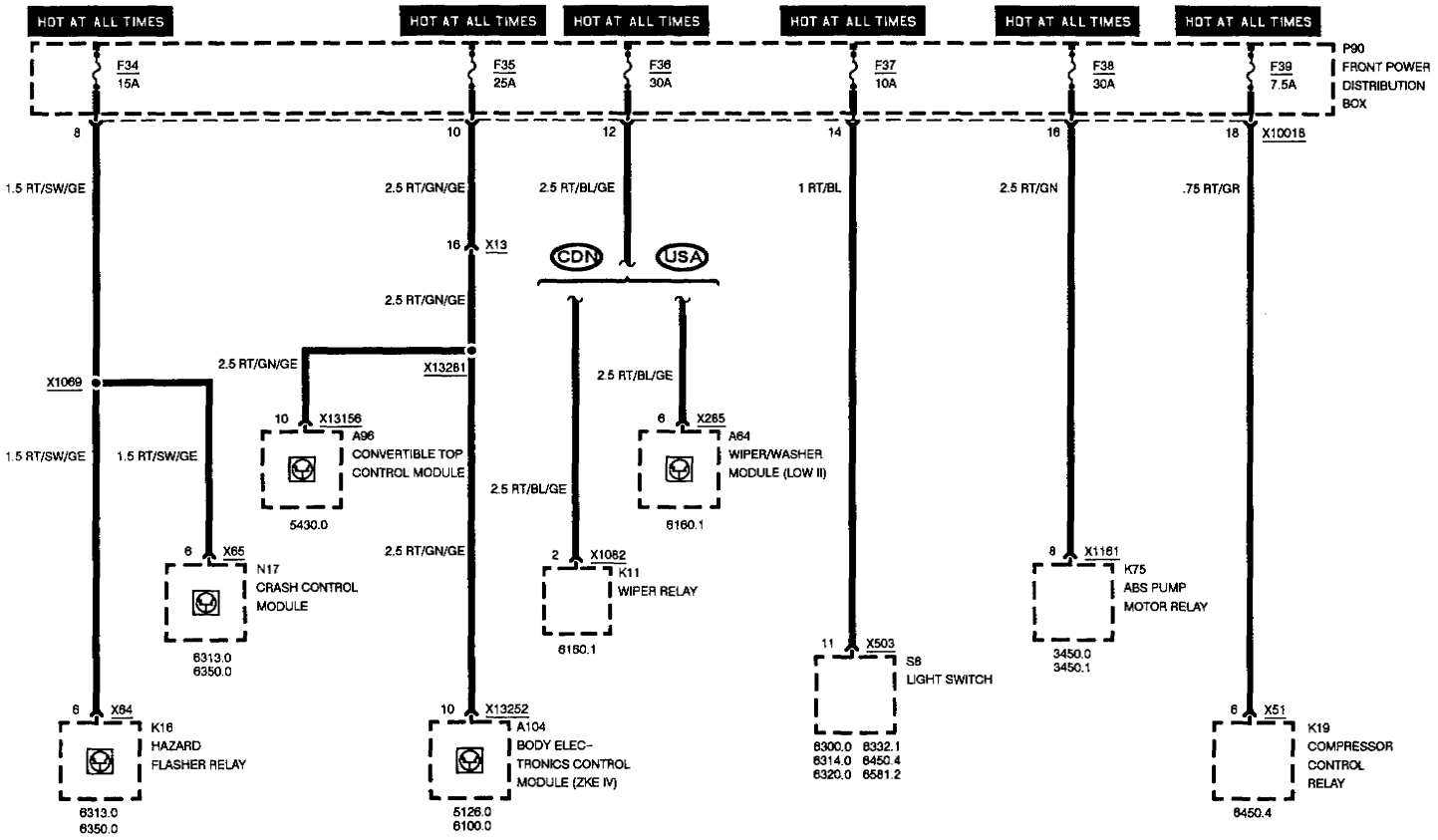
FUSES 32 AND 33



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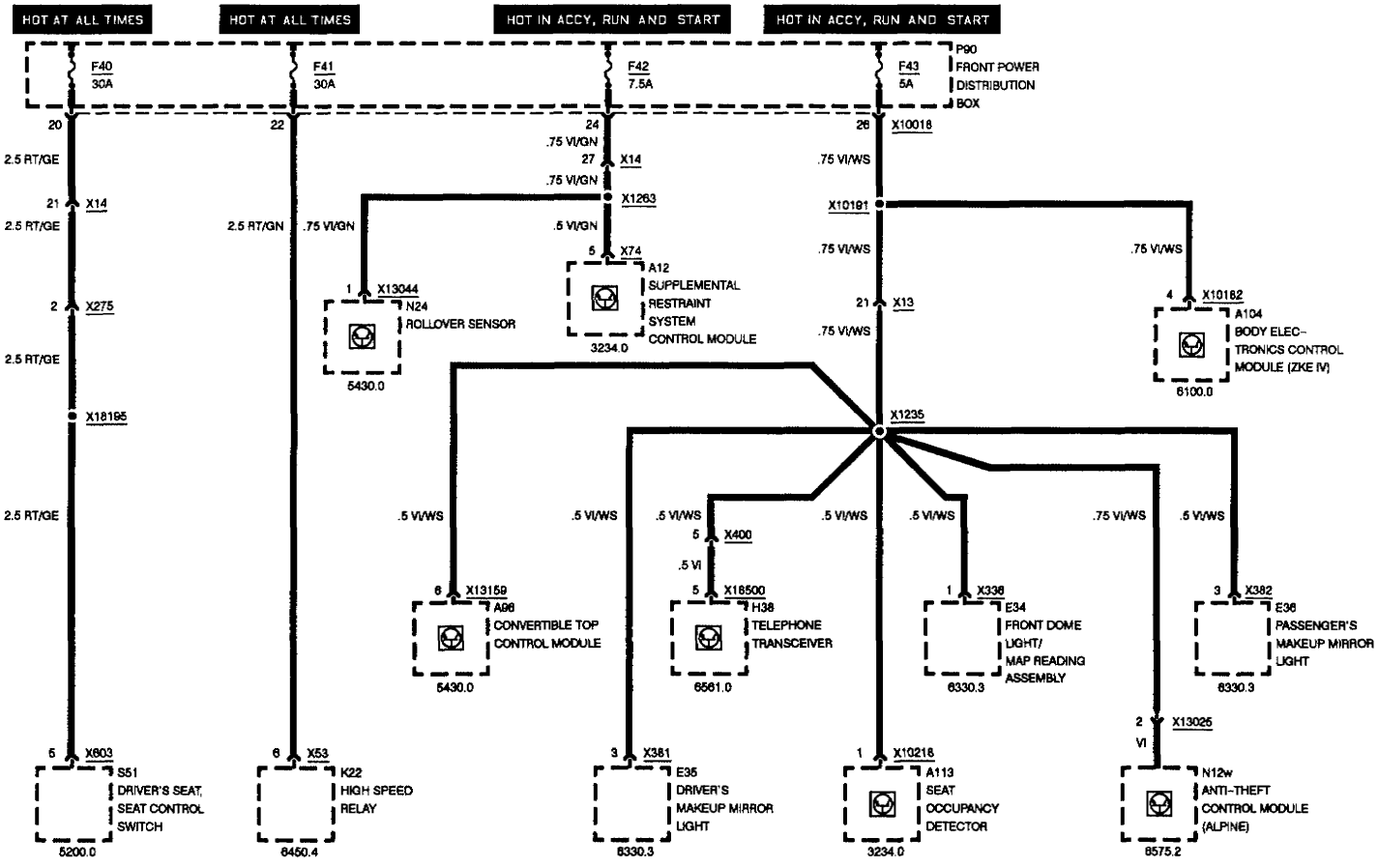
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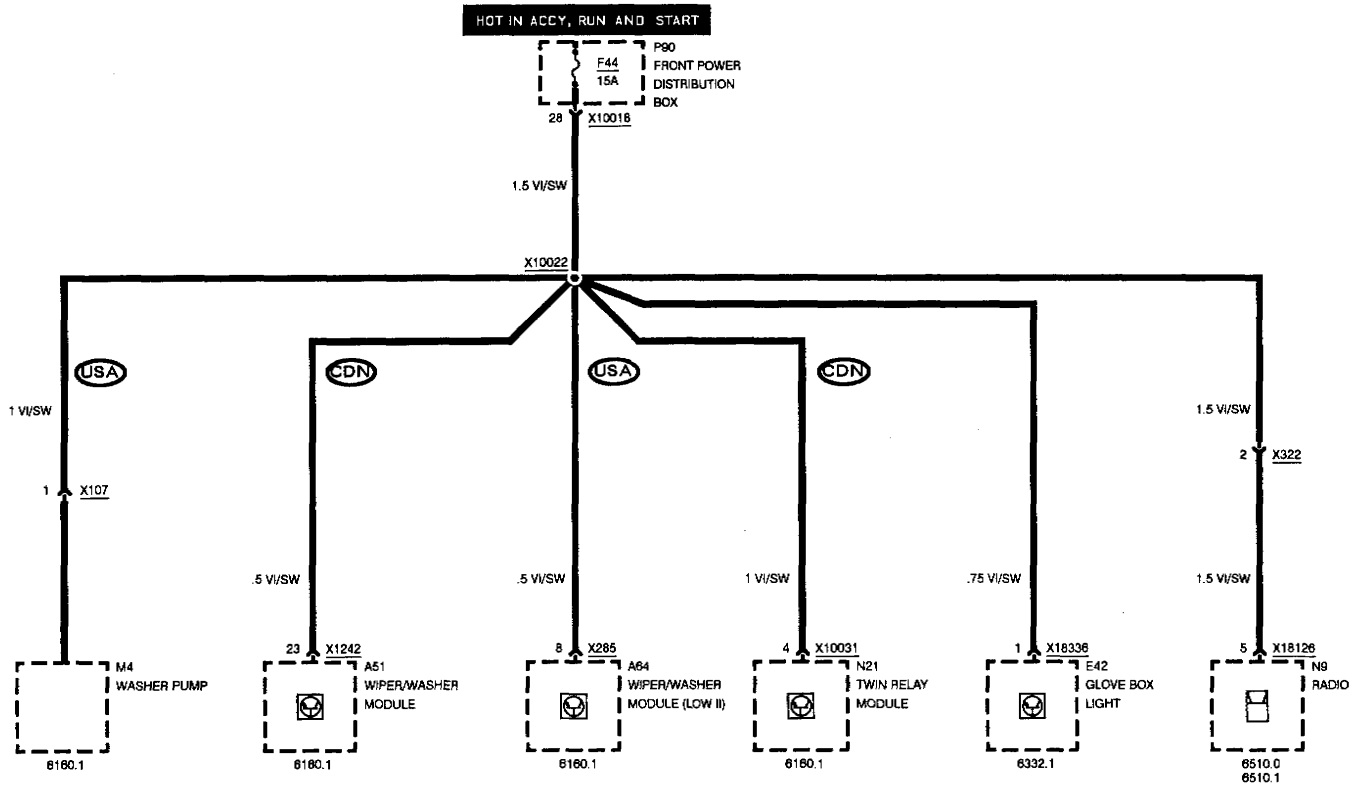
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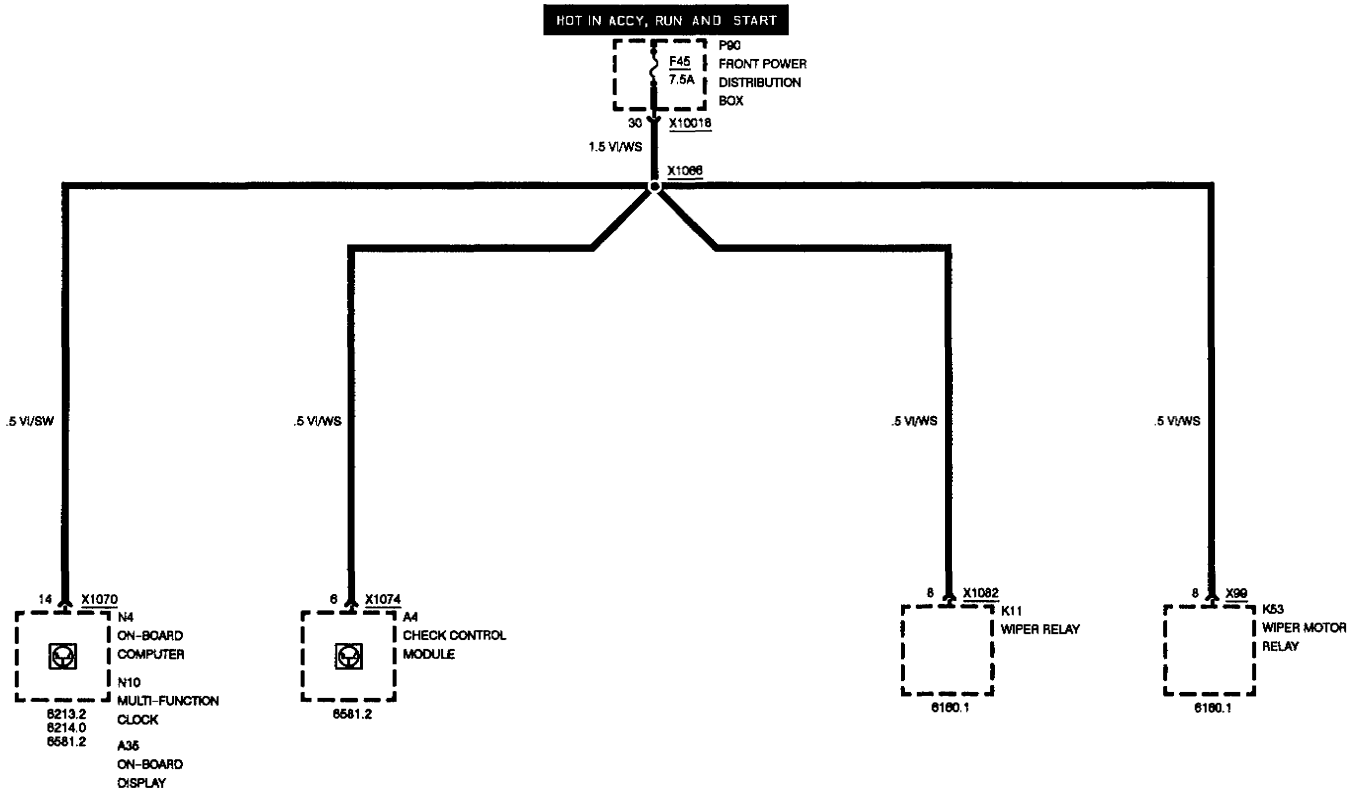
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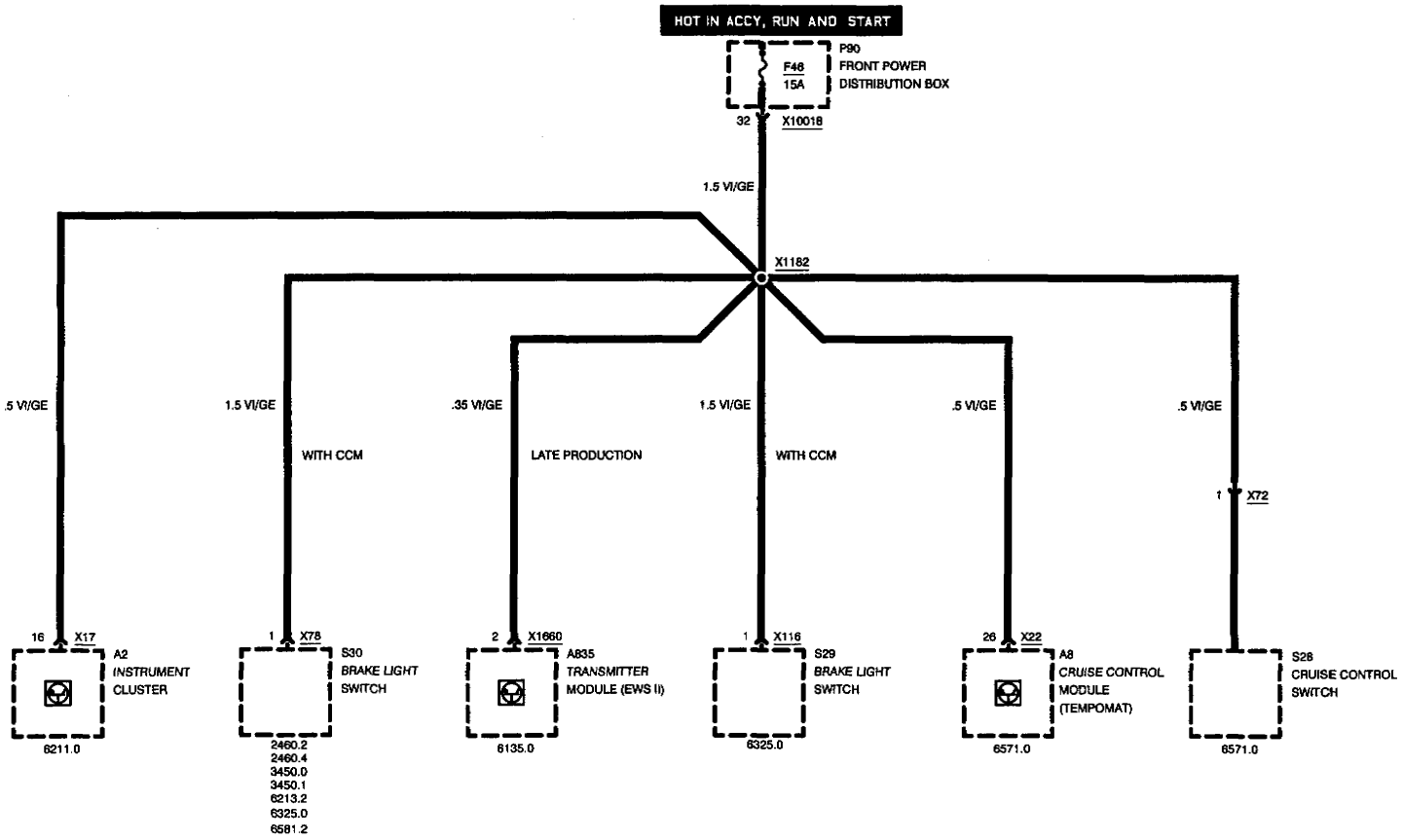
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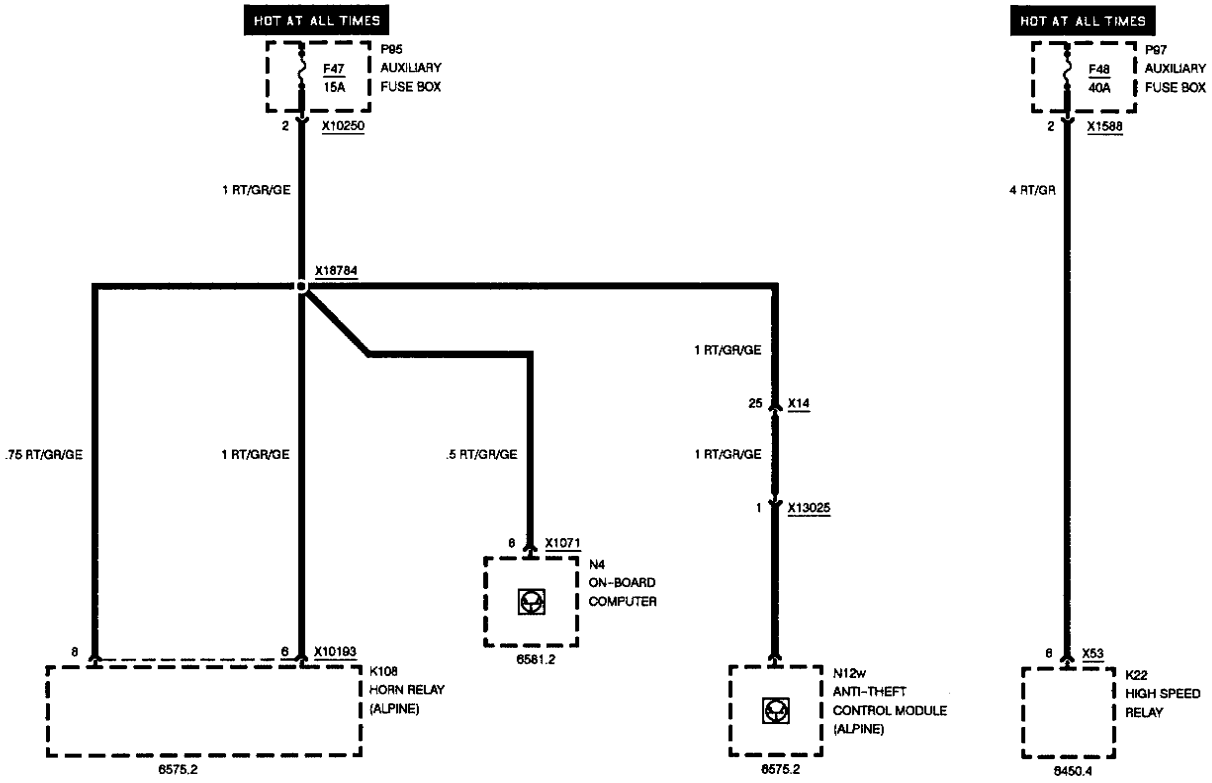
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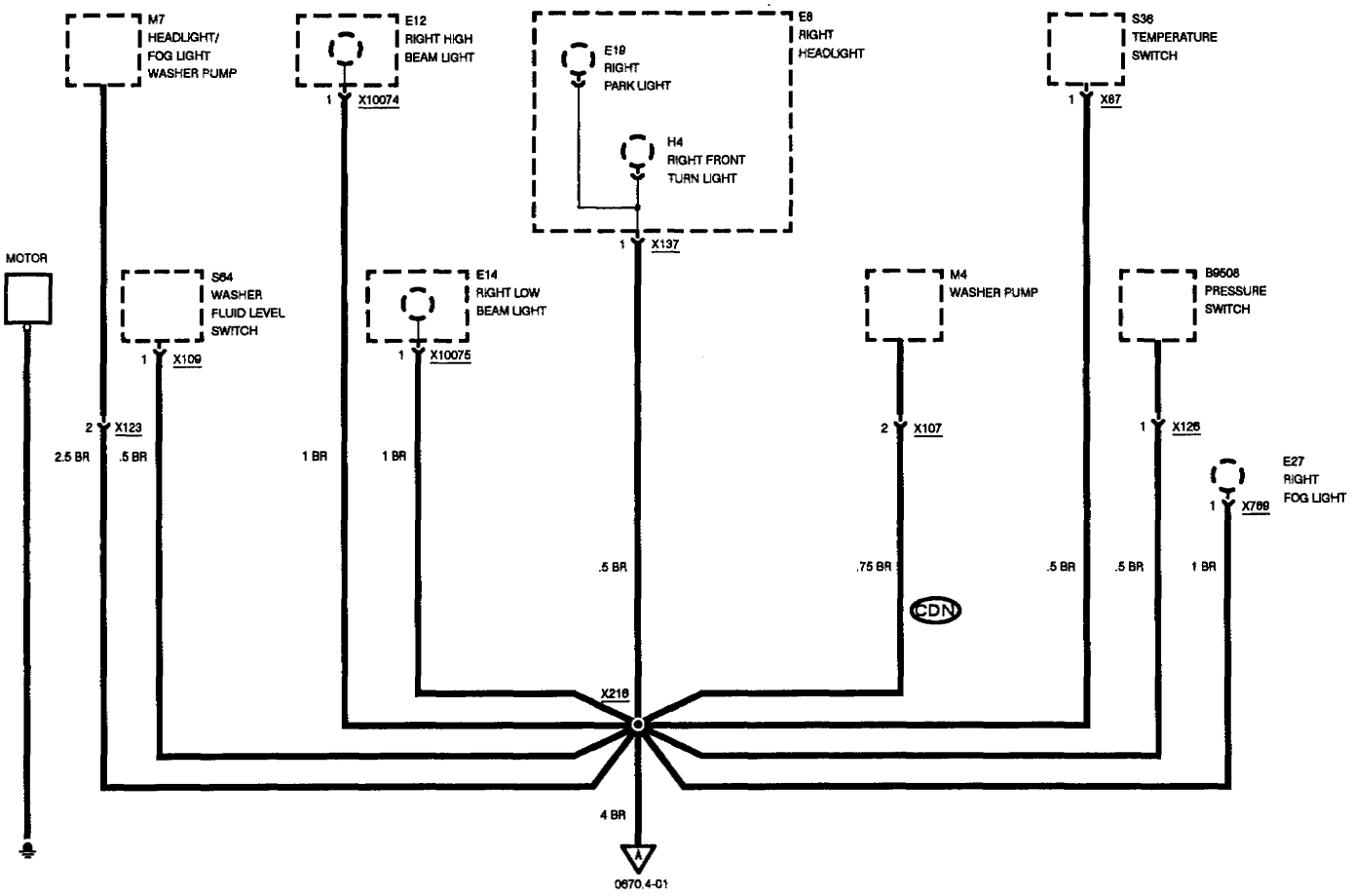
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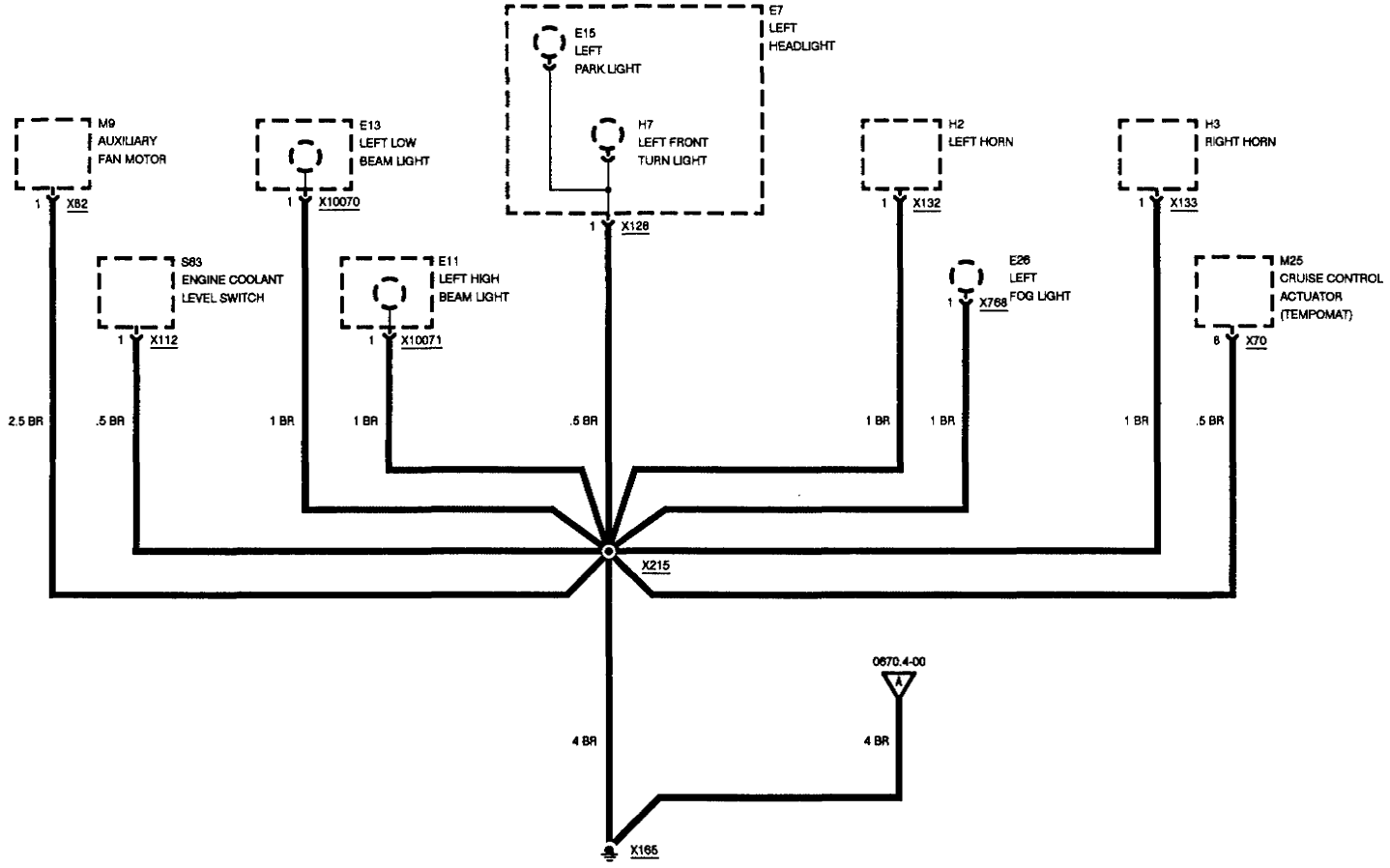
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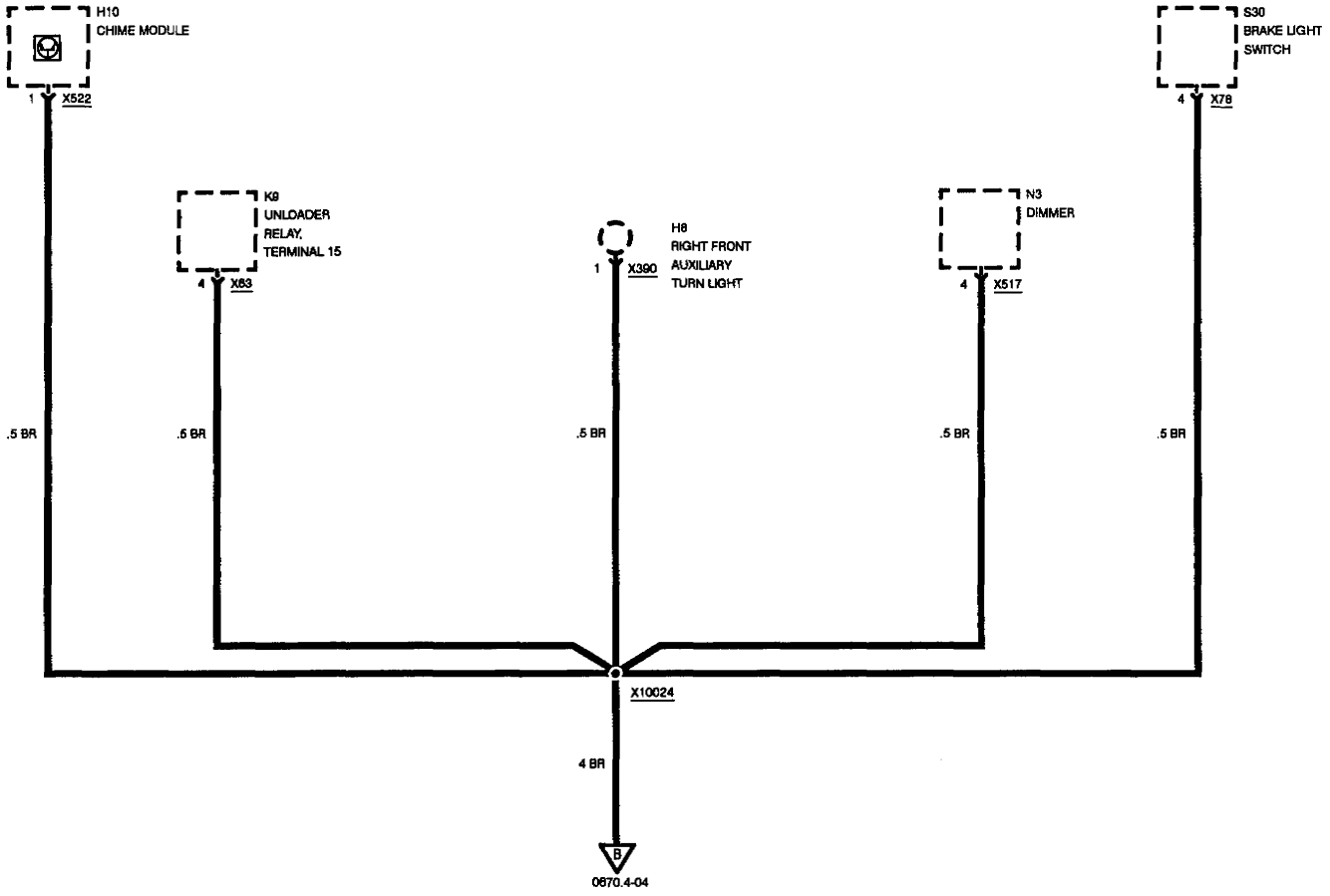
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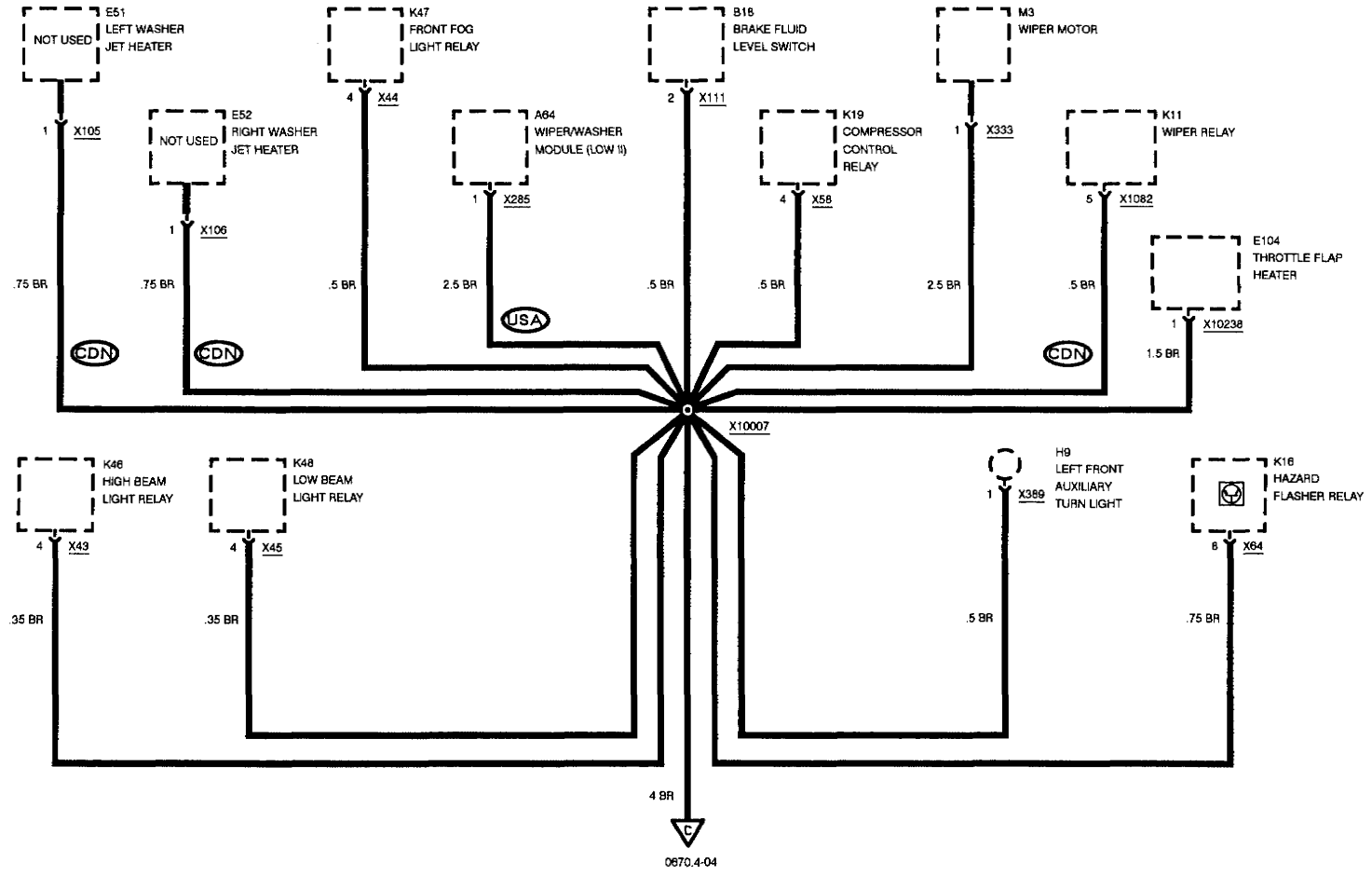
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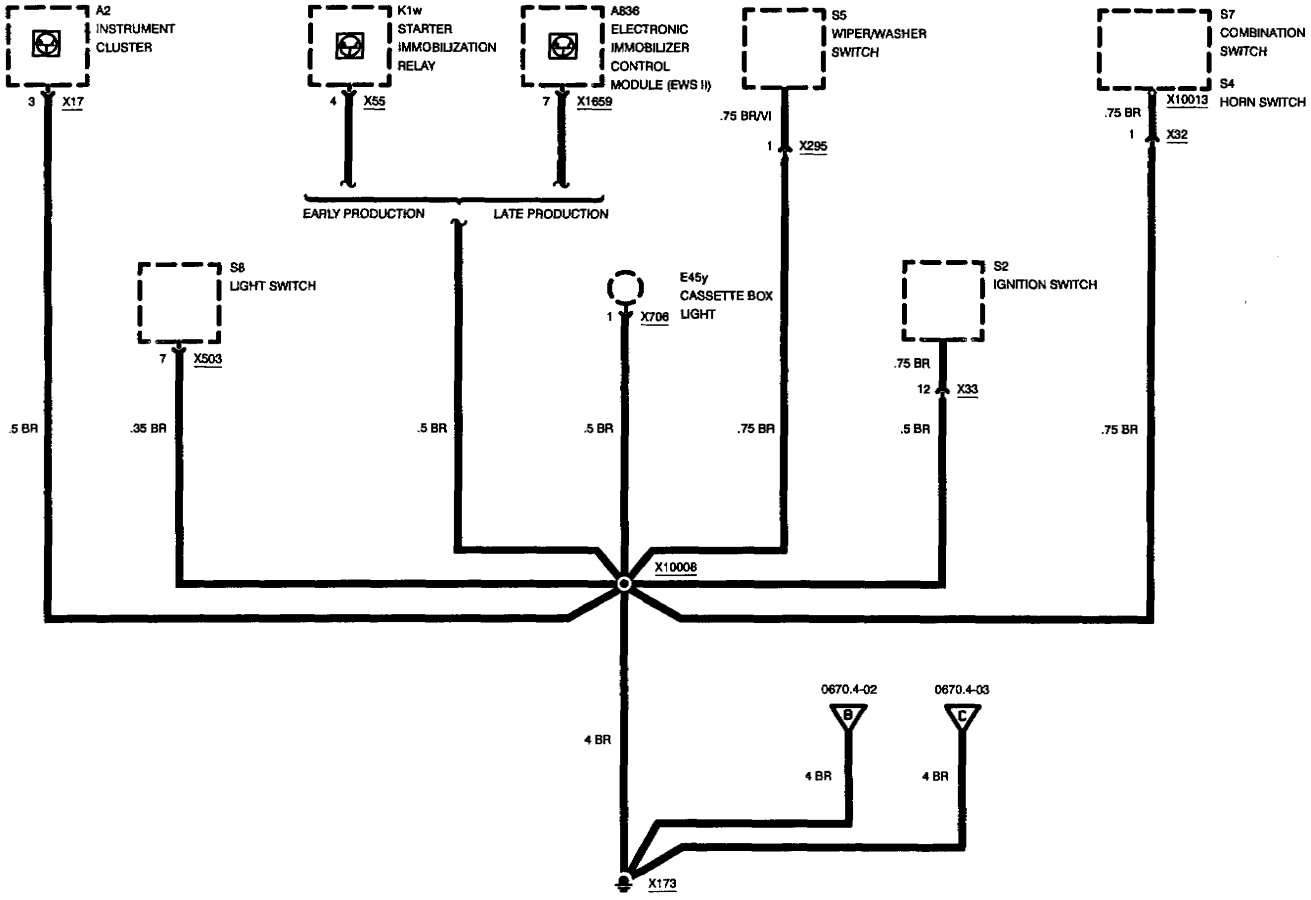
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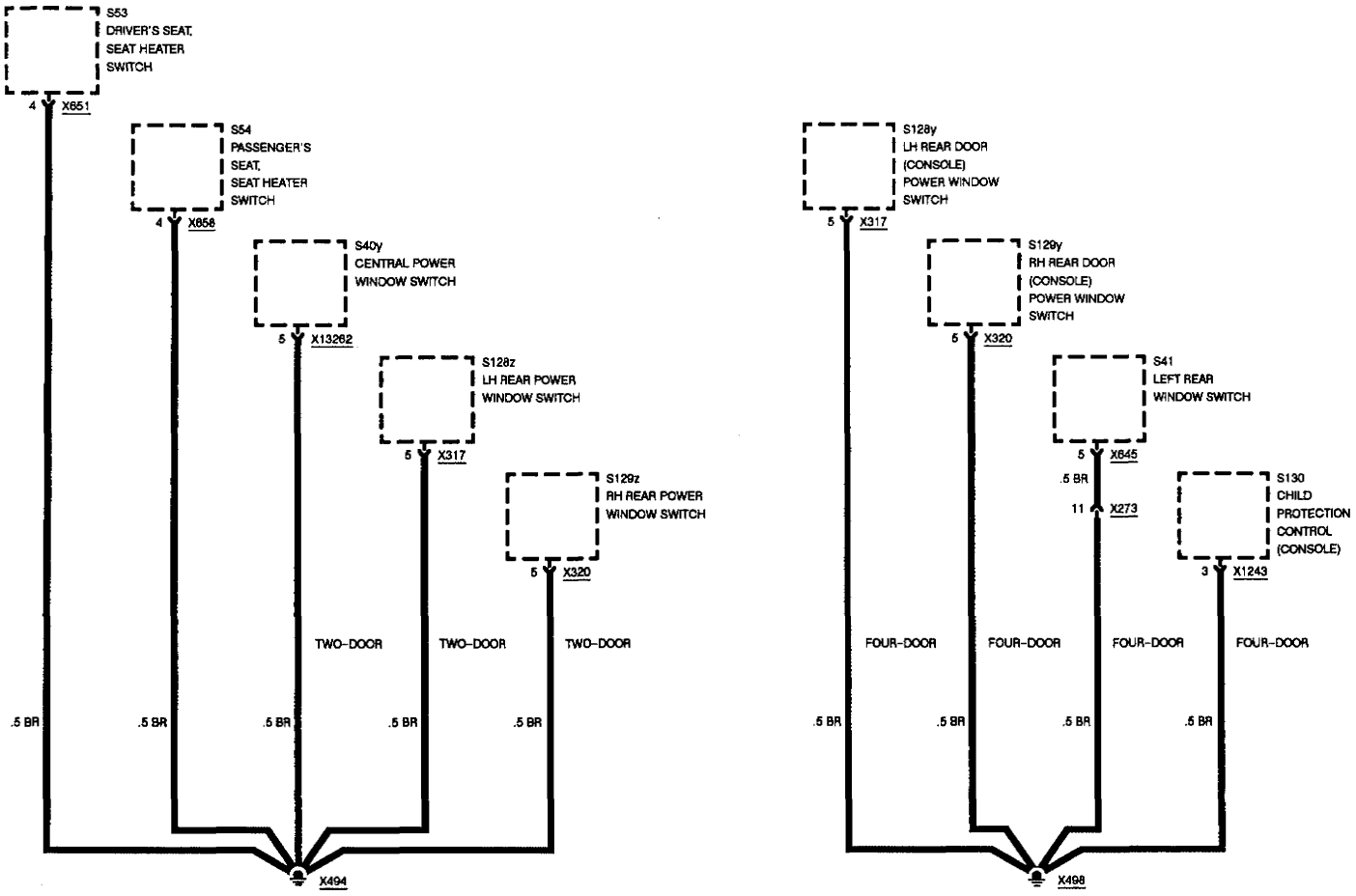
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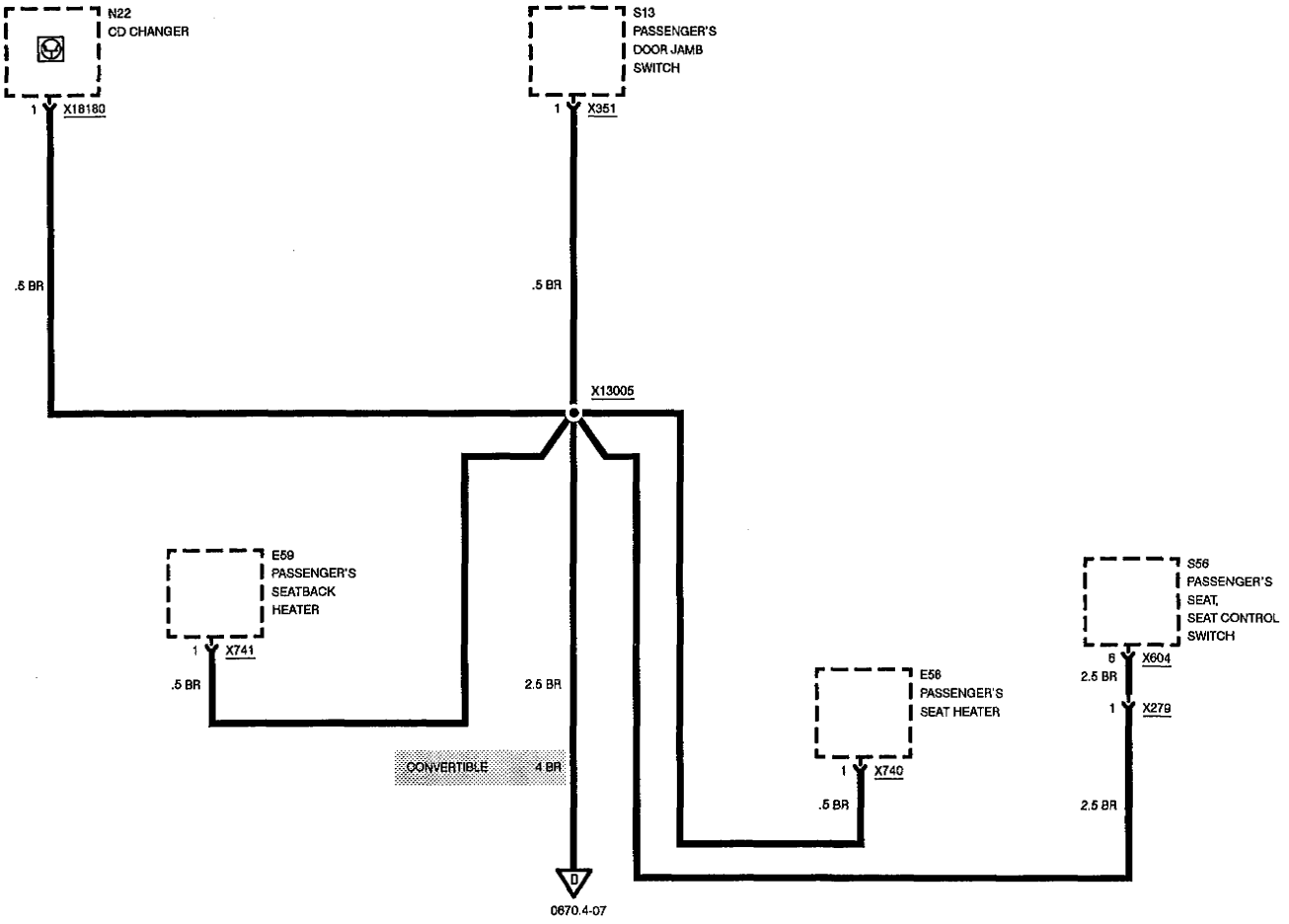
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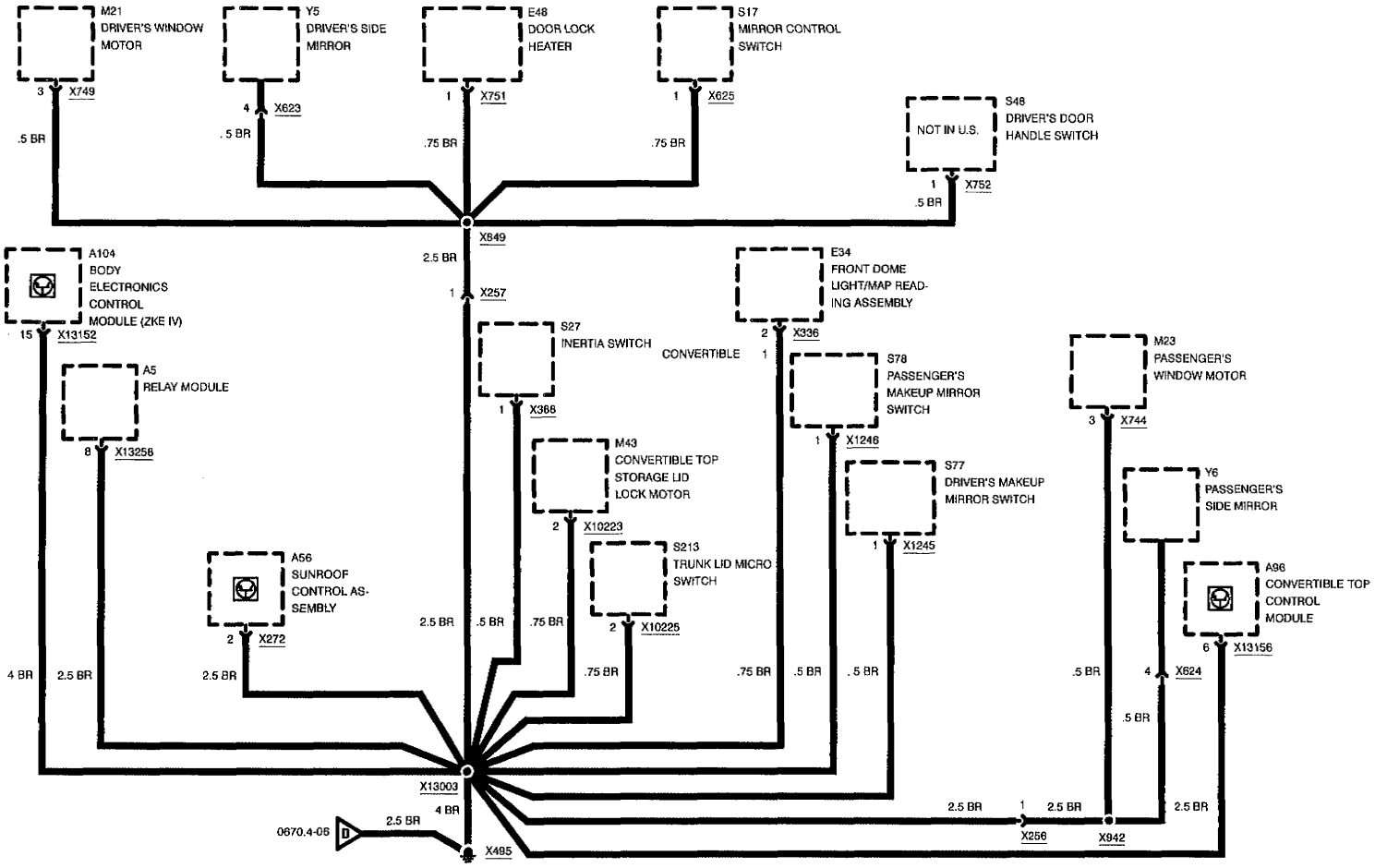
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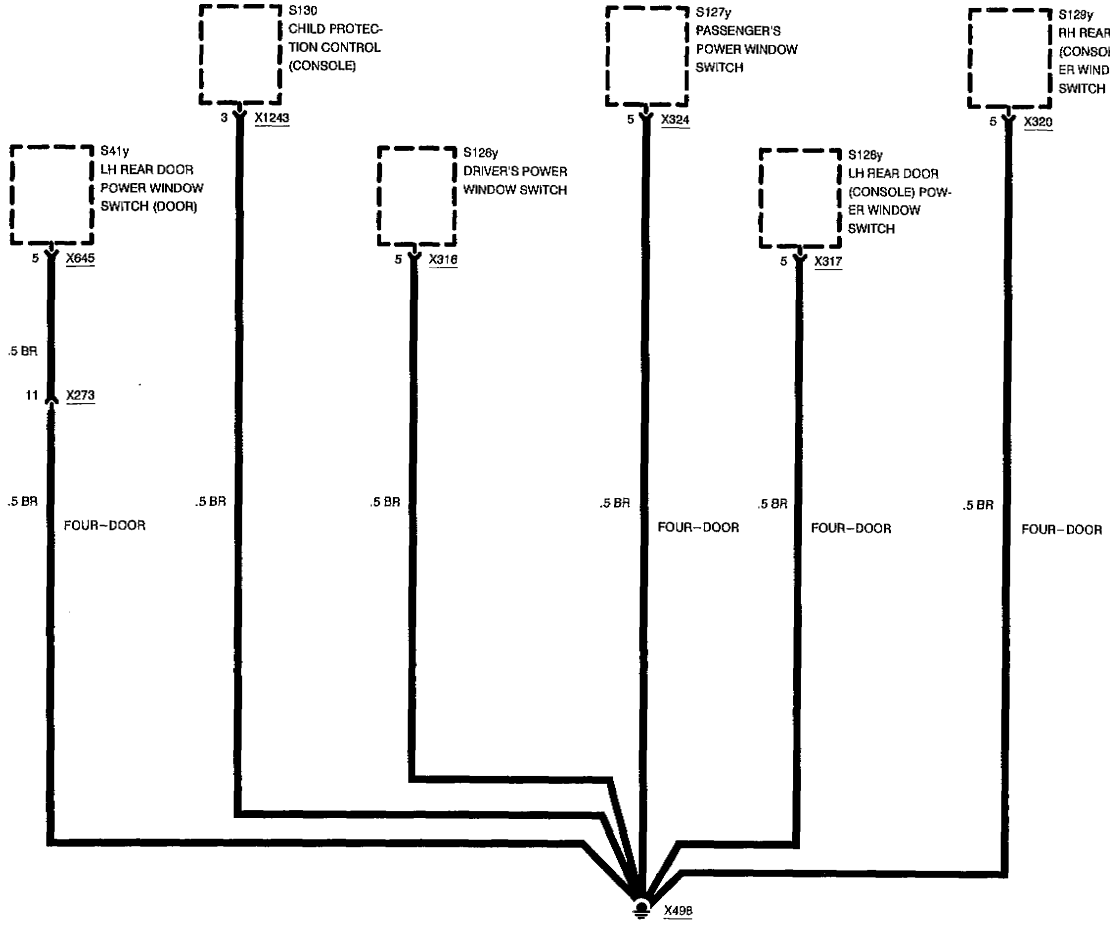
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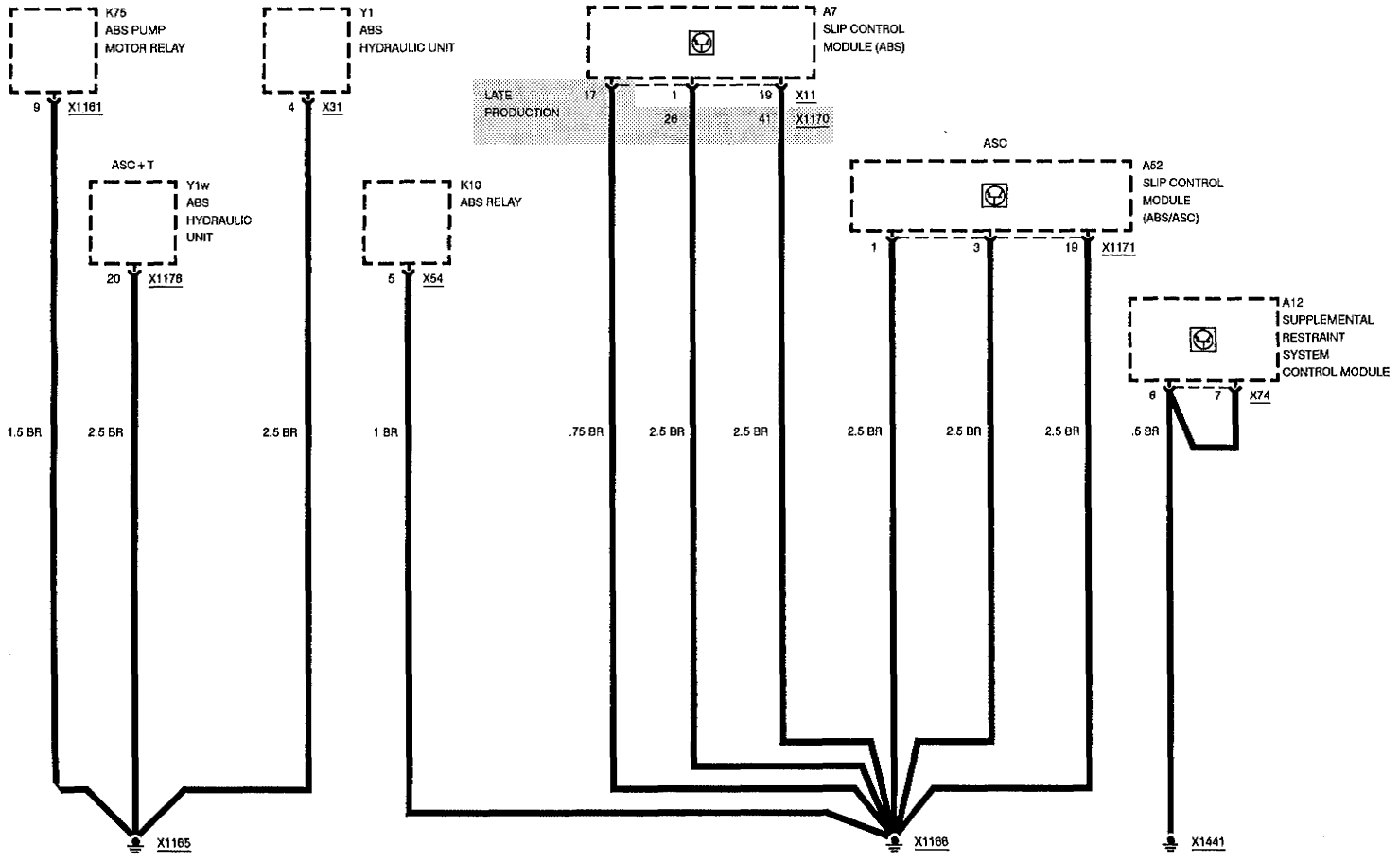
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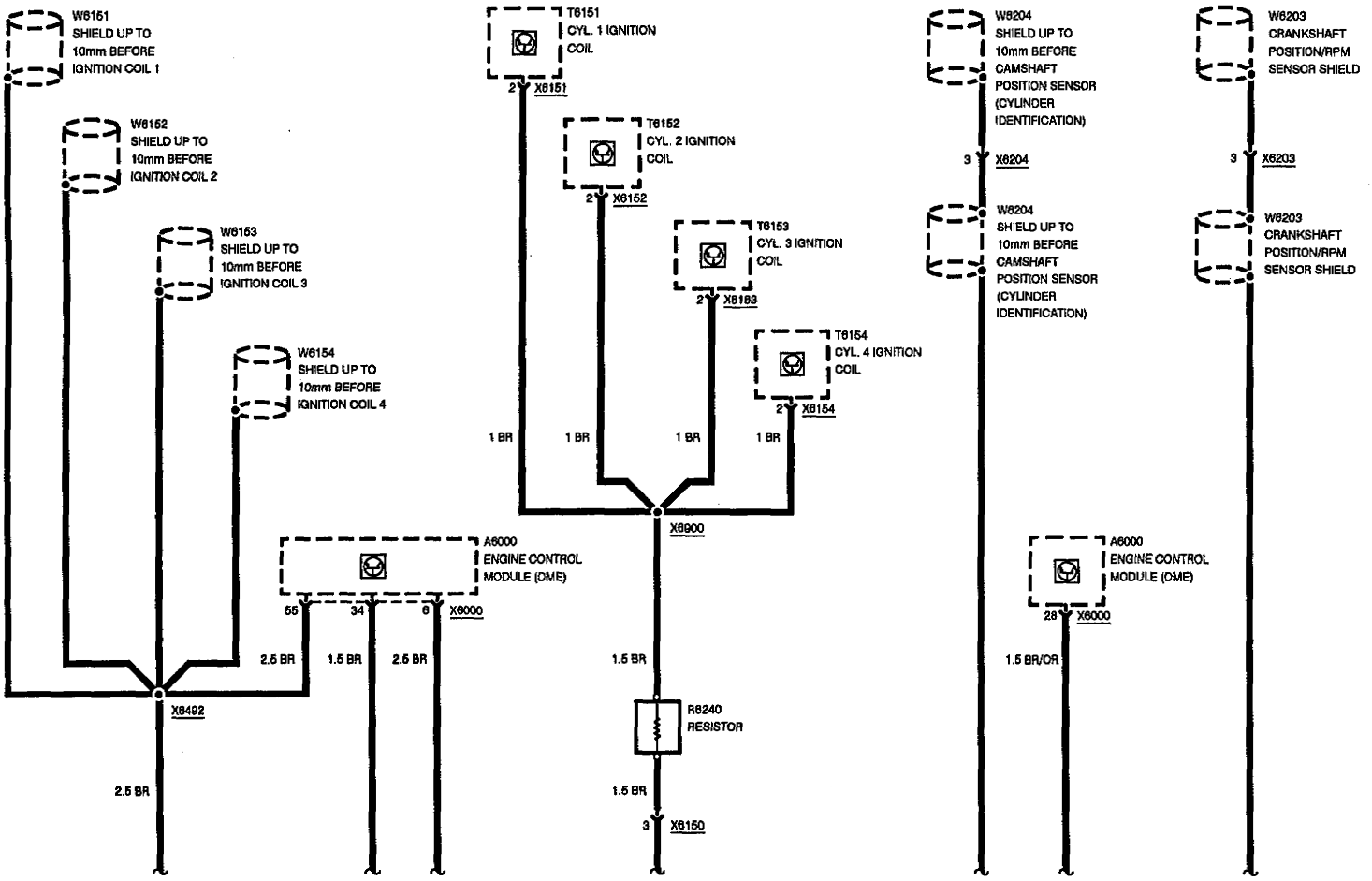


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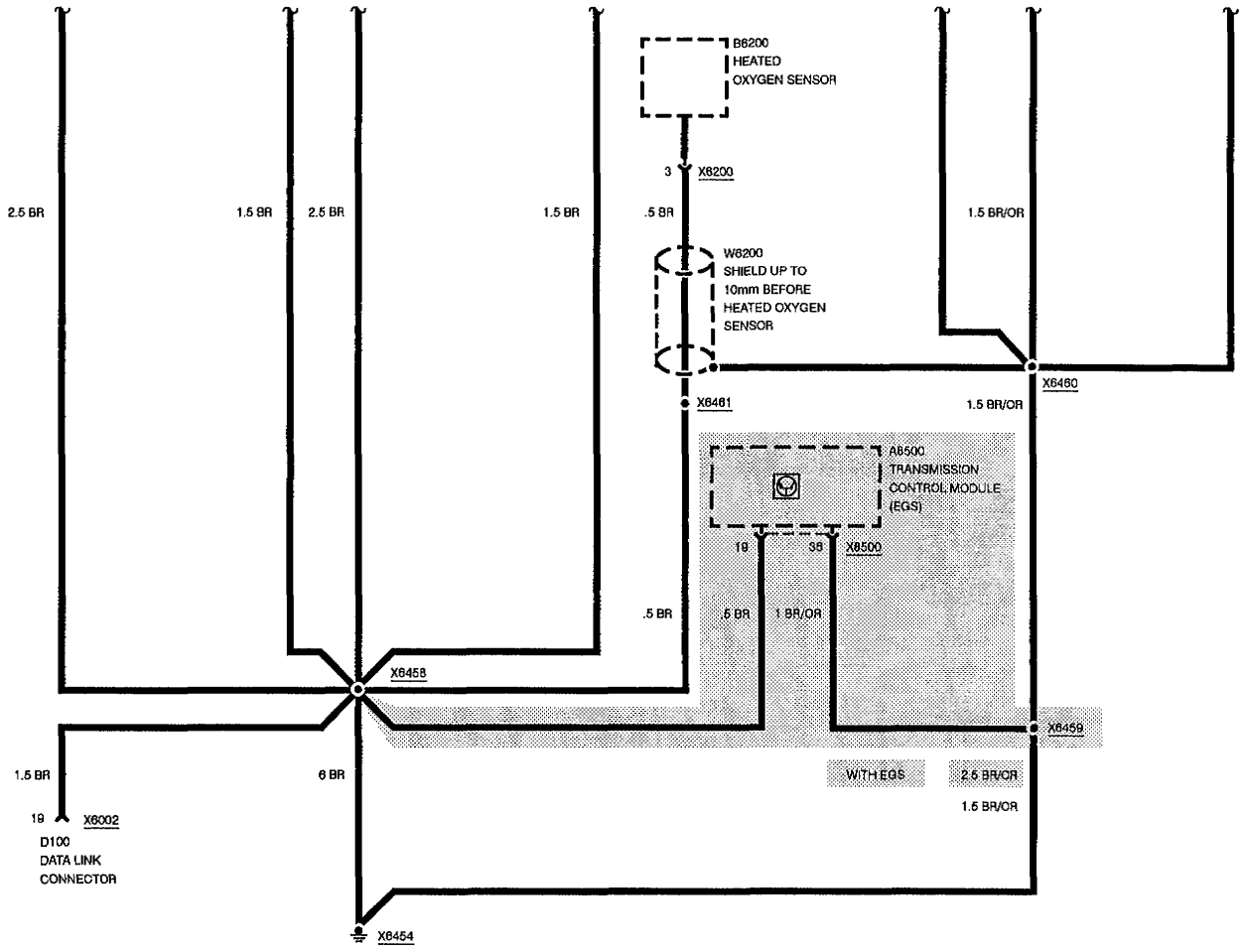
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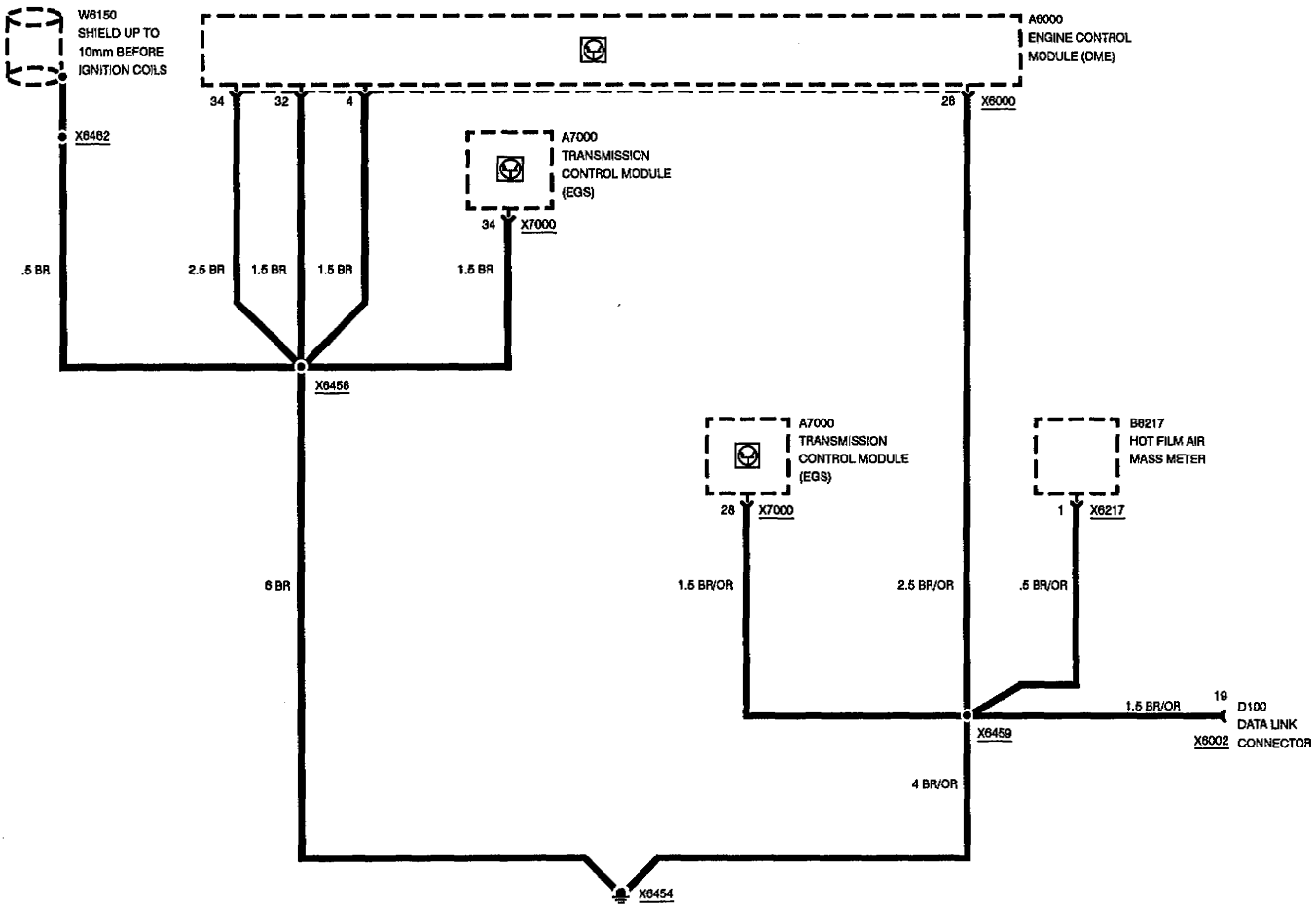


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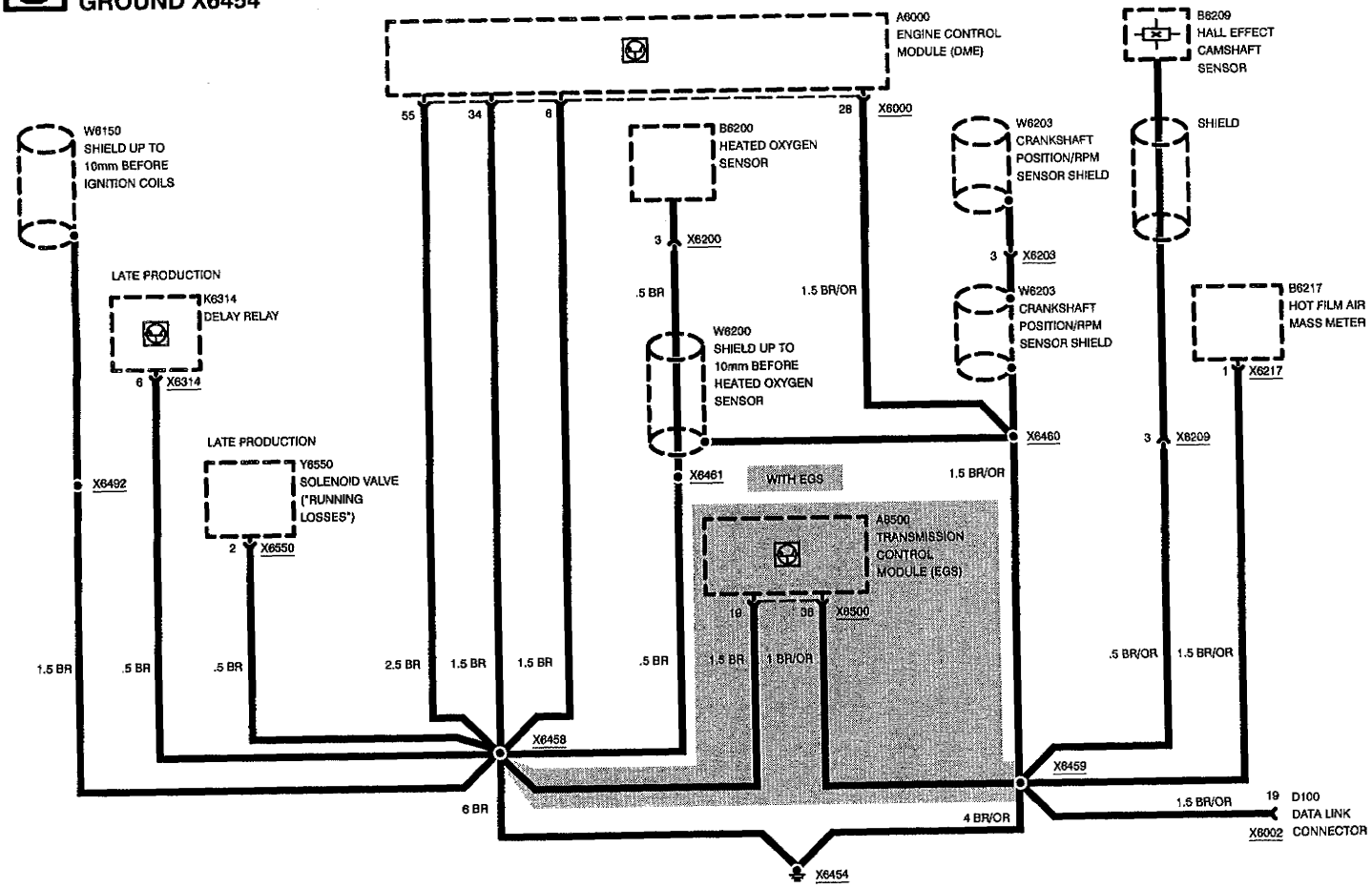
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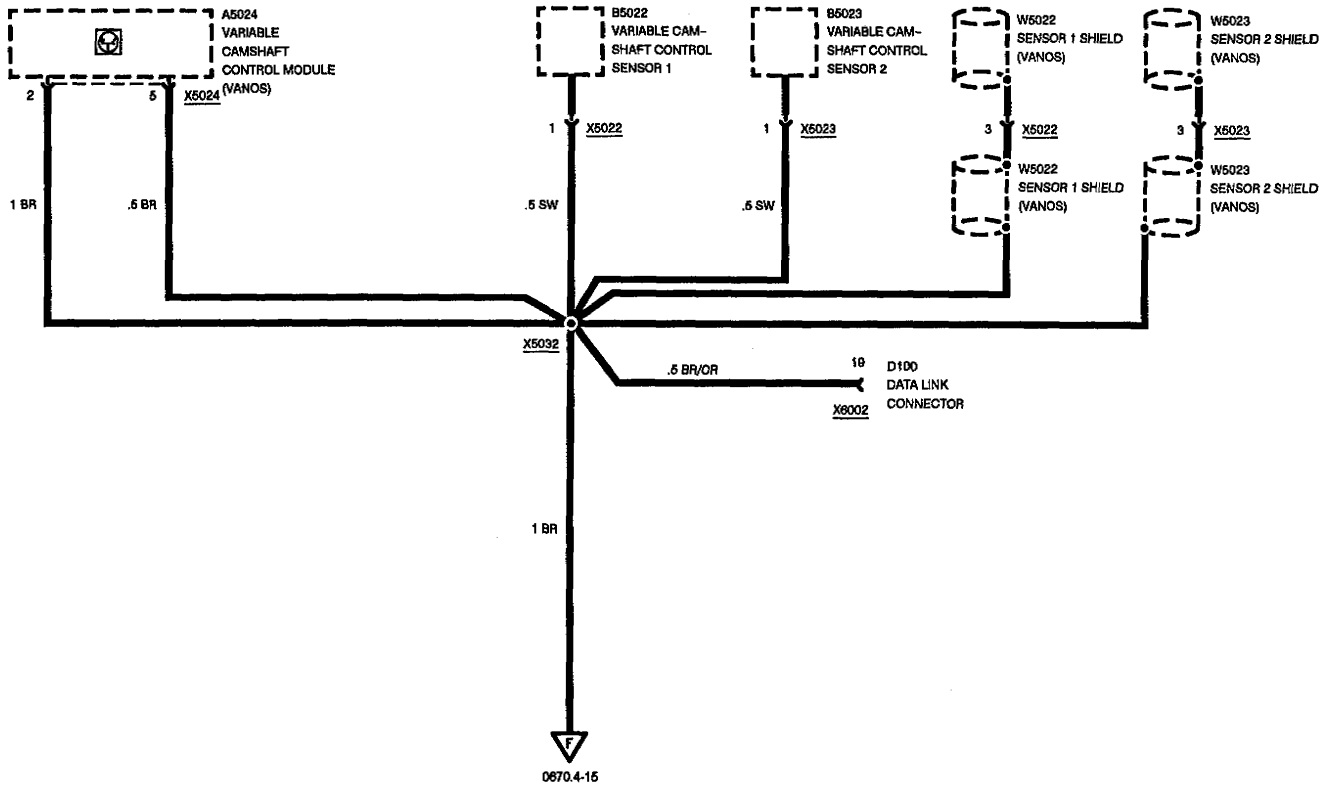
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GROUND X6454



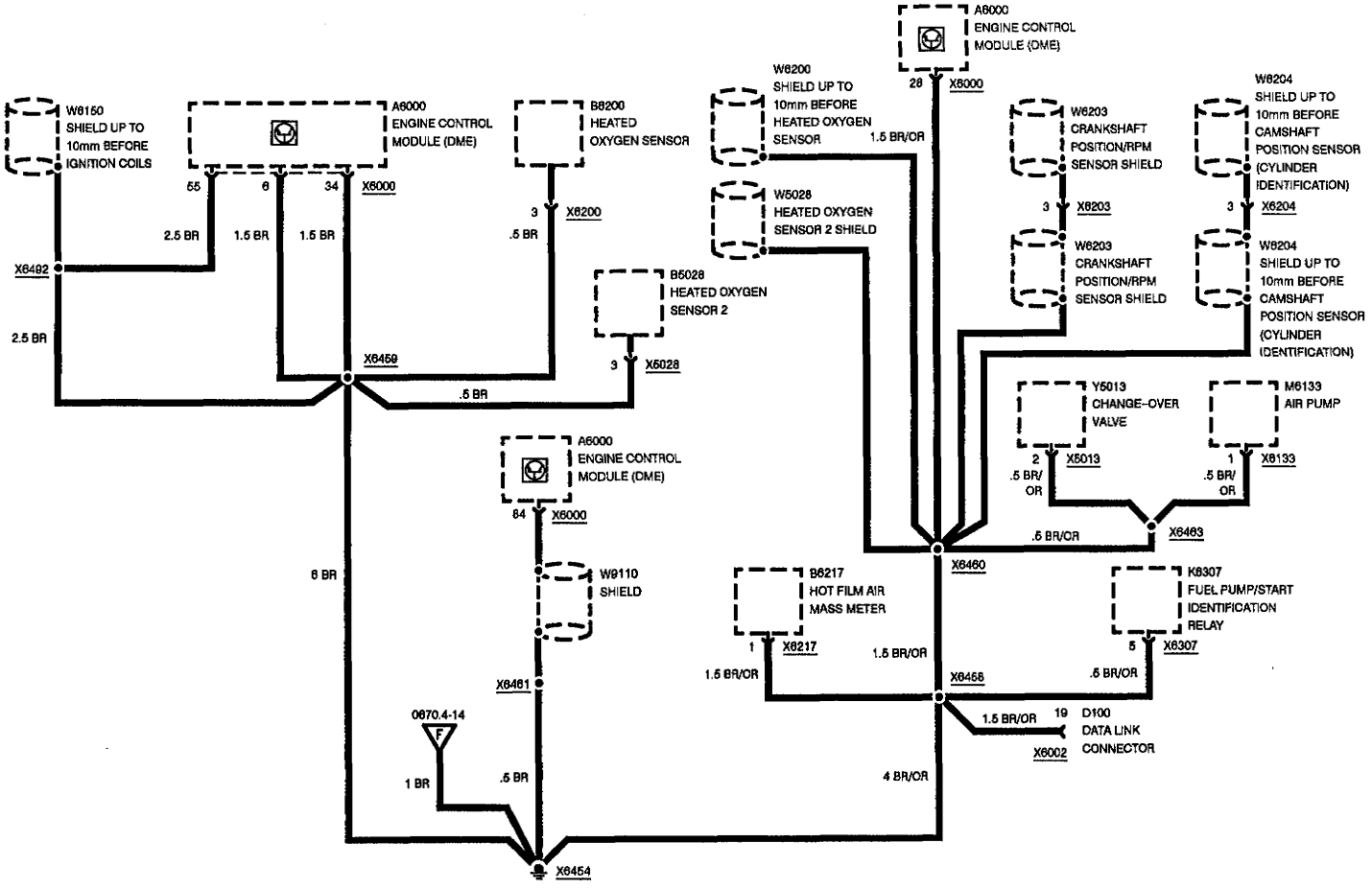
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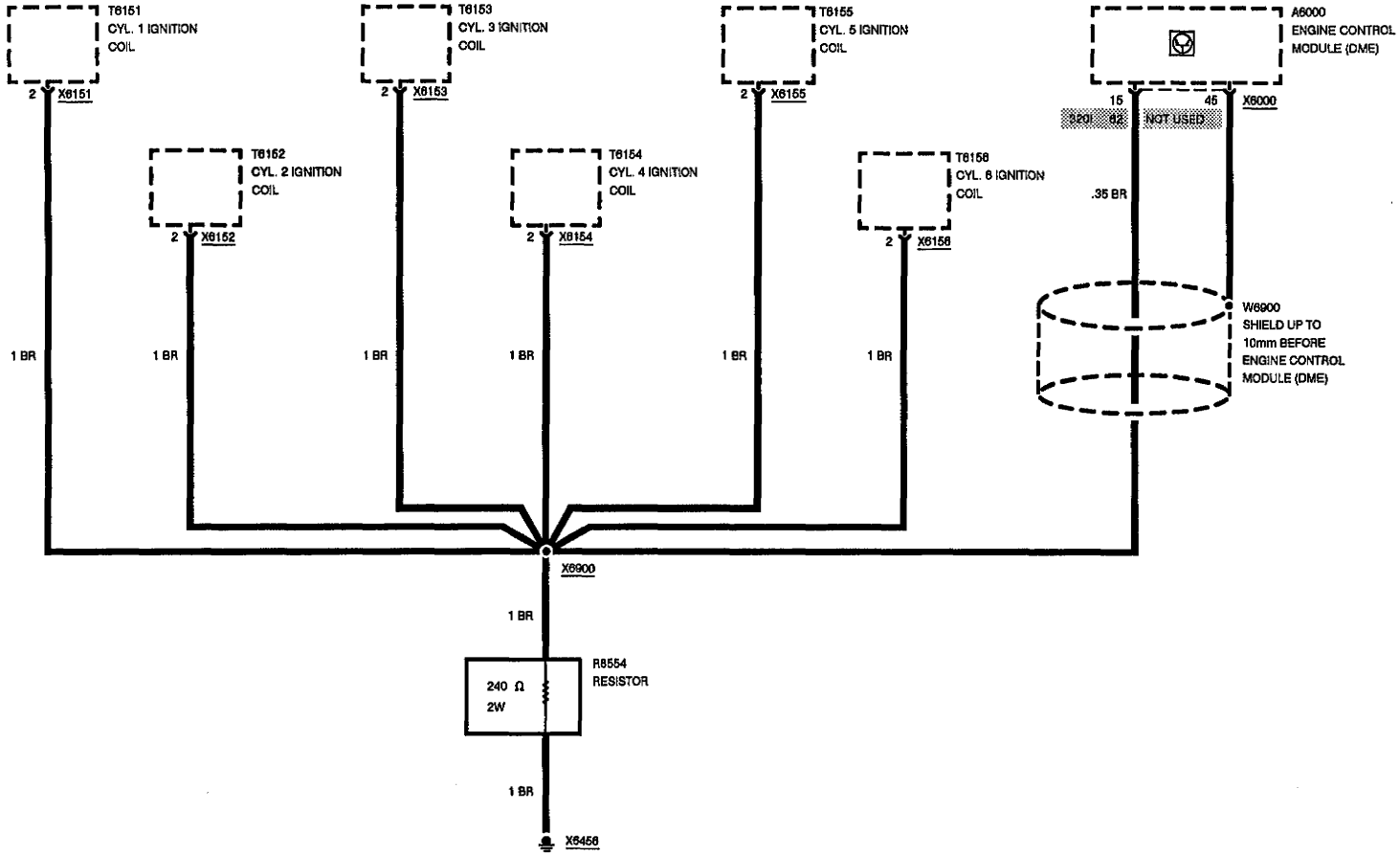


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320i, 325i

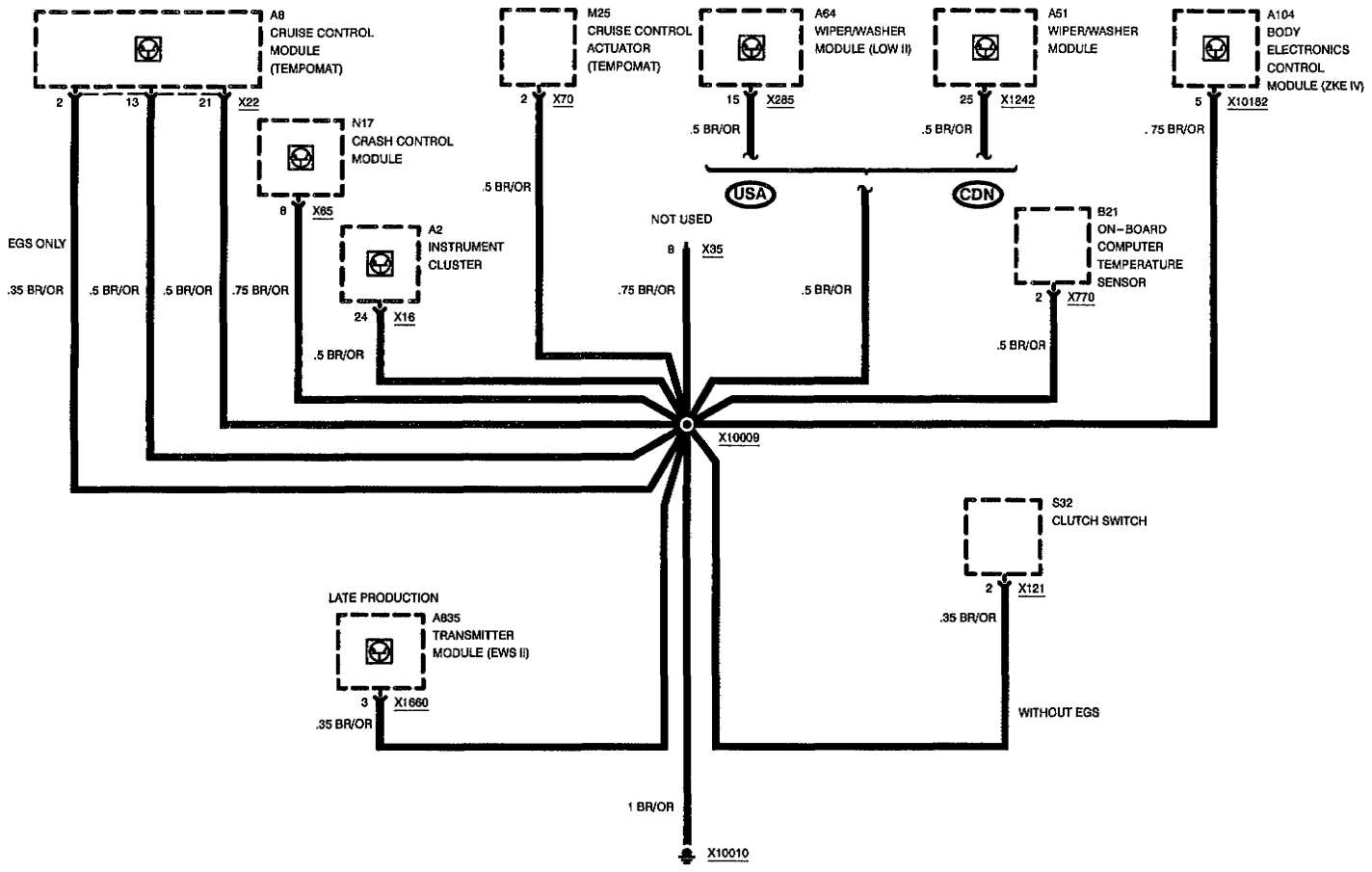
GROUND X6456



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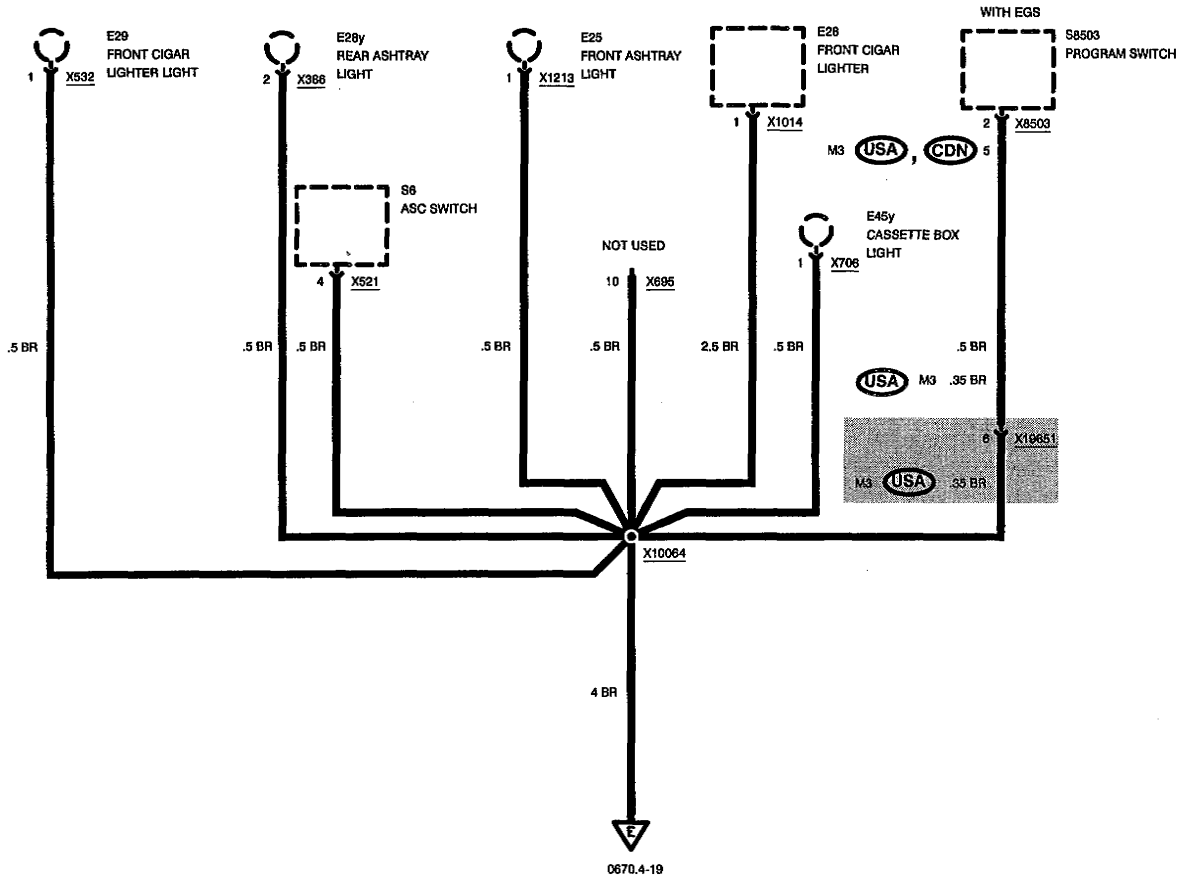
GROUND X10010



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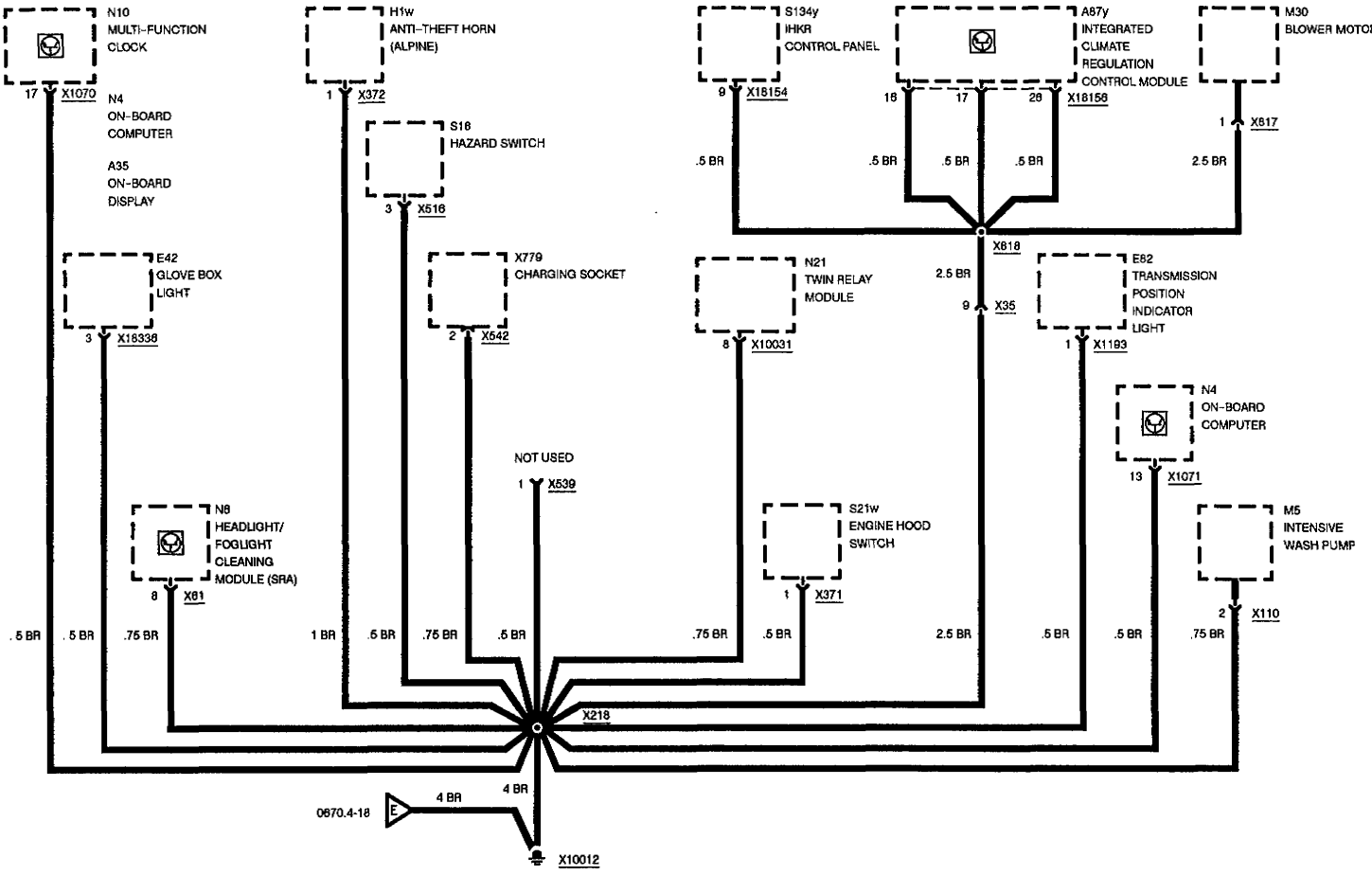
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GROUND X10012

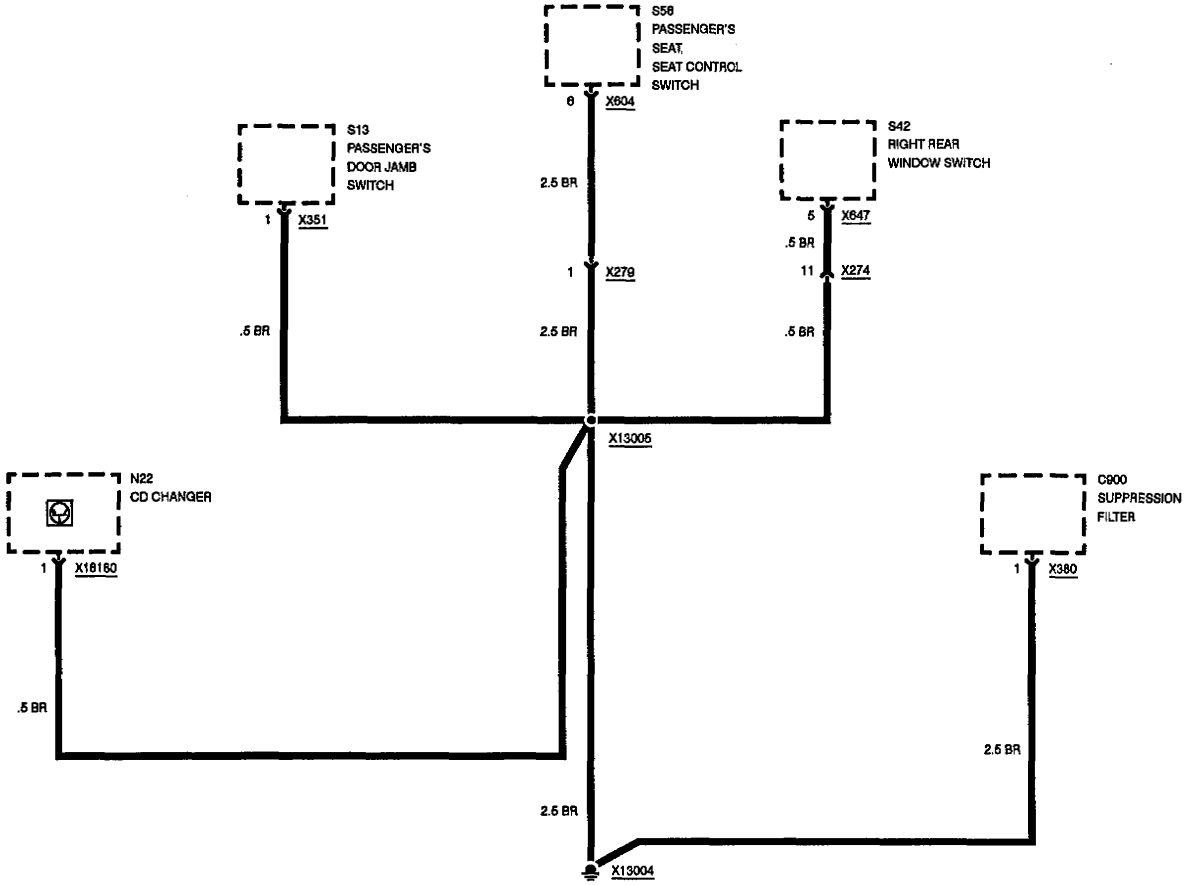


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GROUND X13004

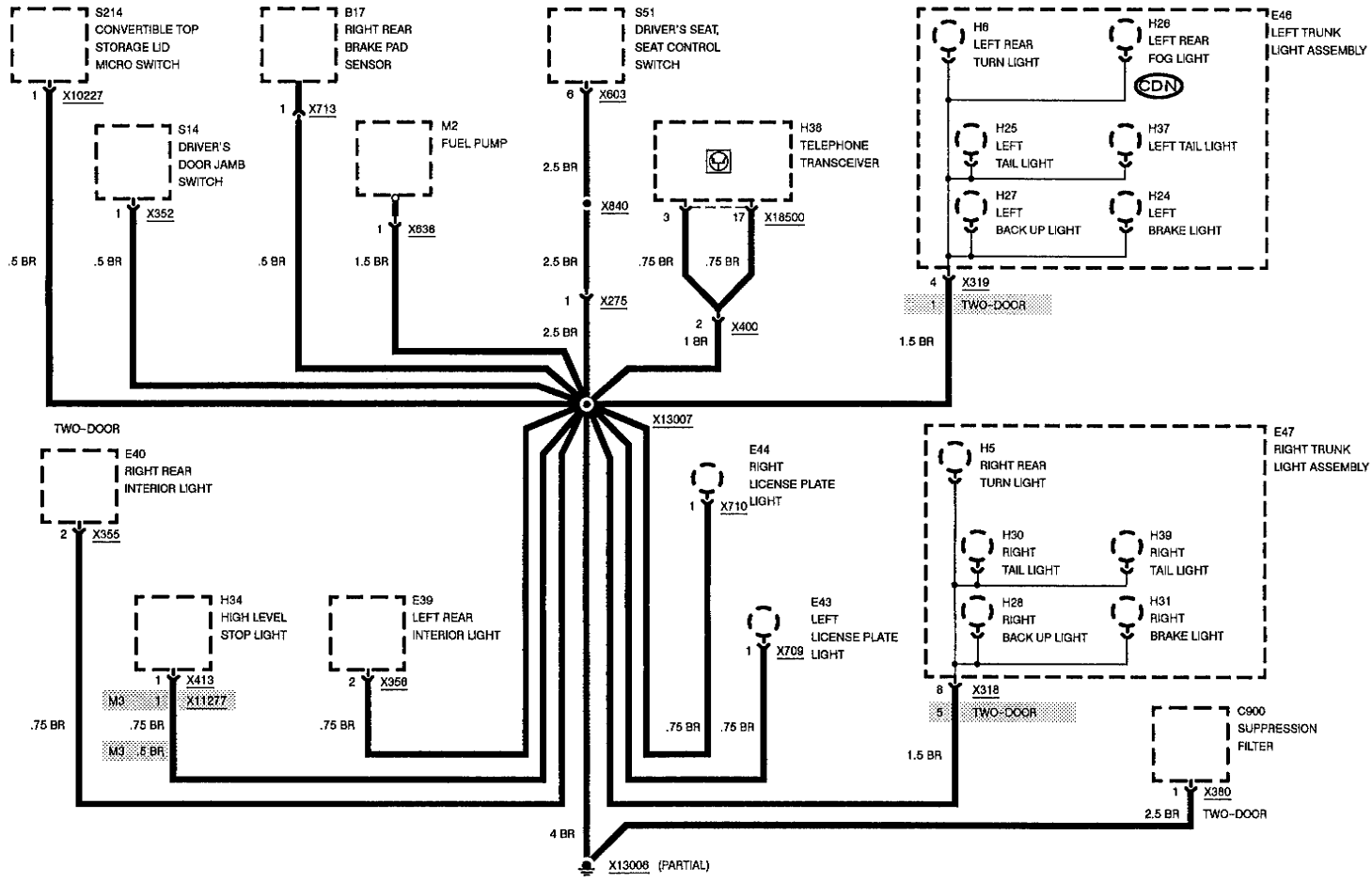
FOUR-DOOR



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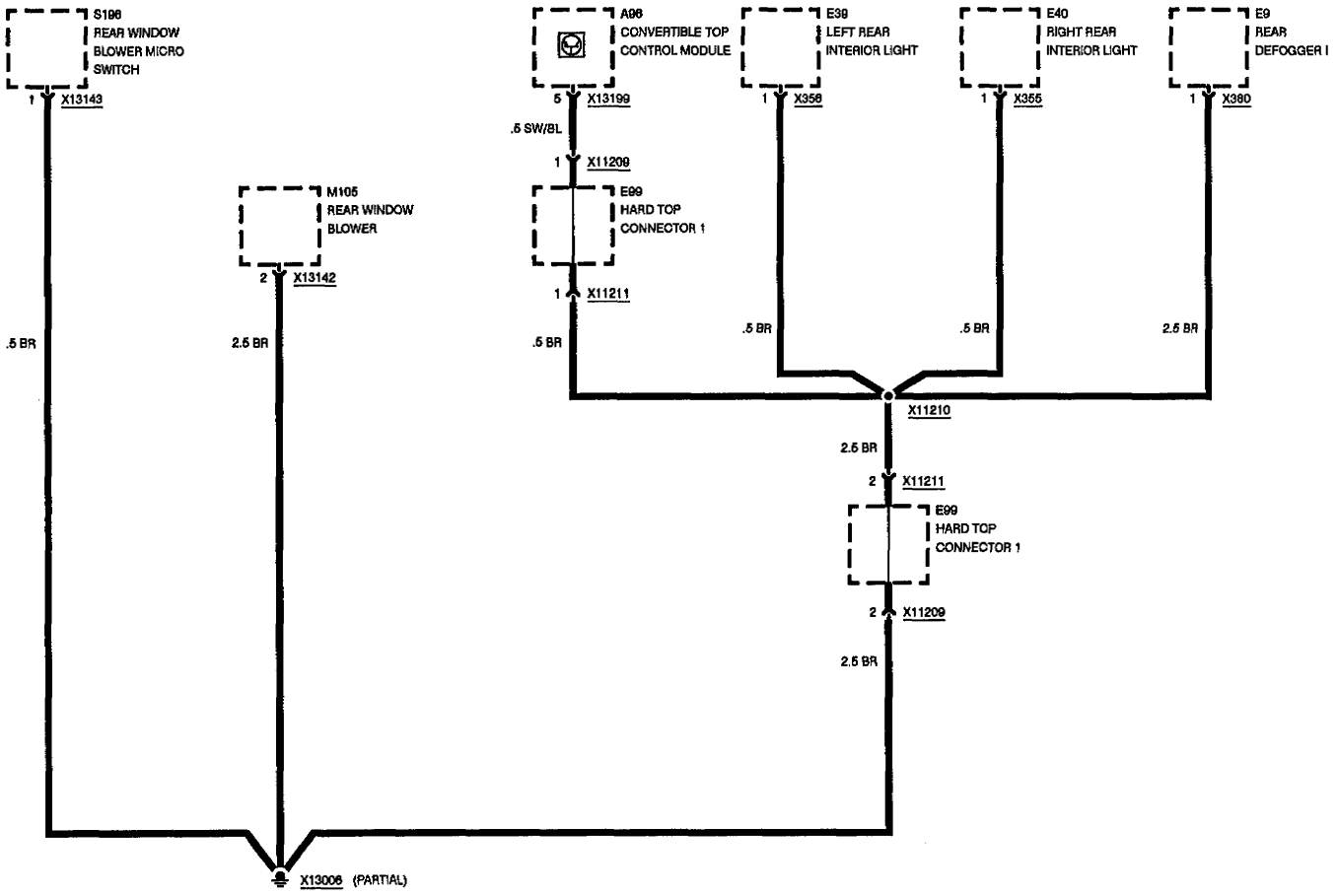
GROUND X13006



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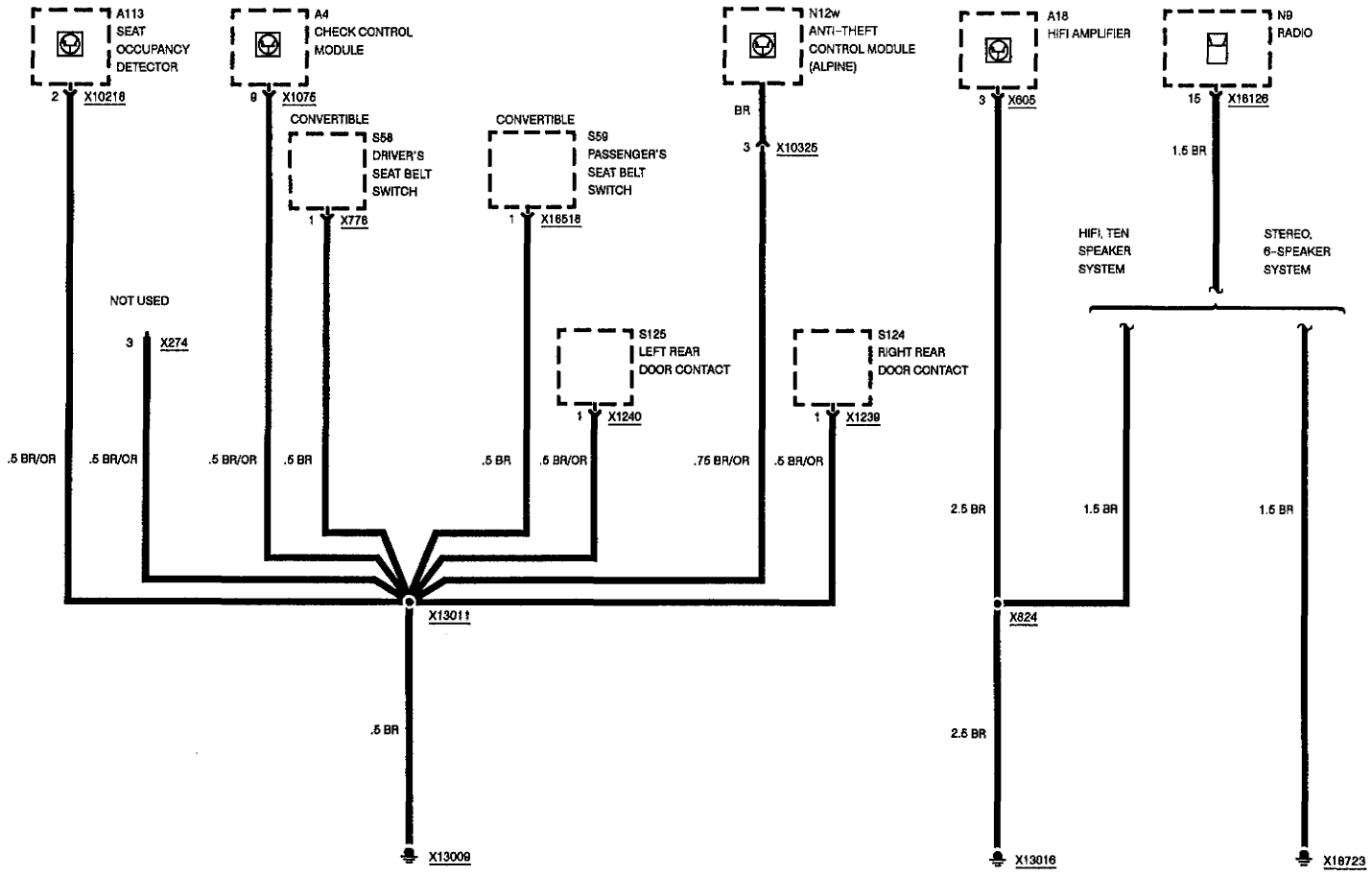
GROUND X13006



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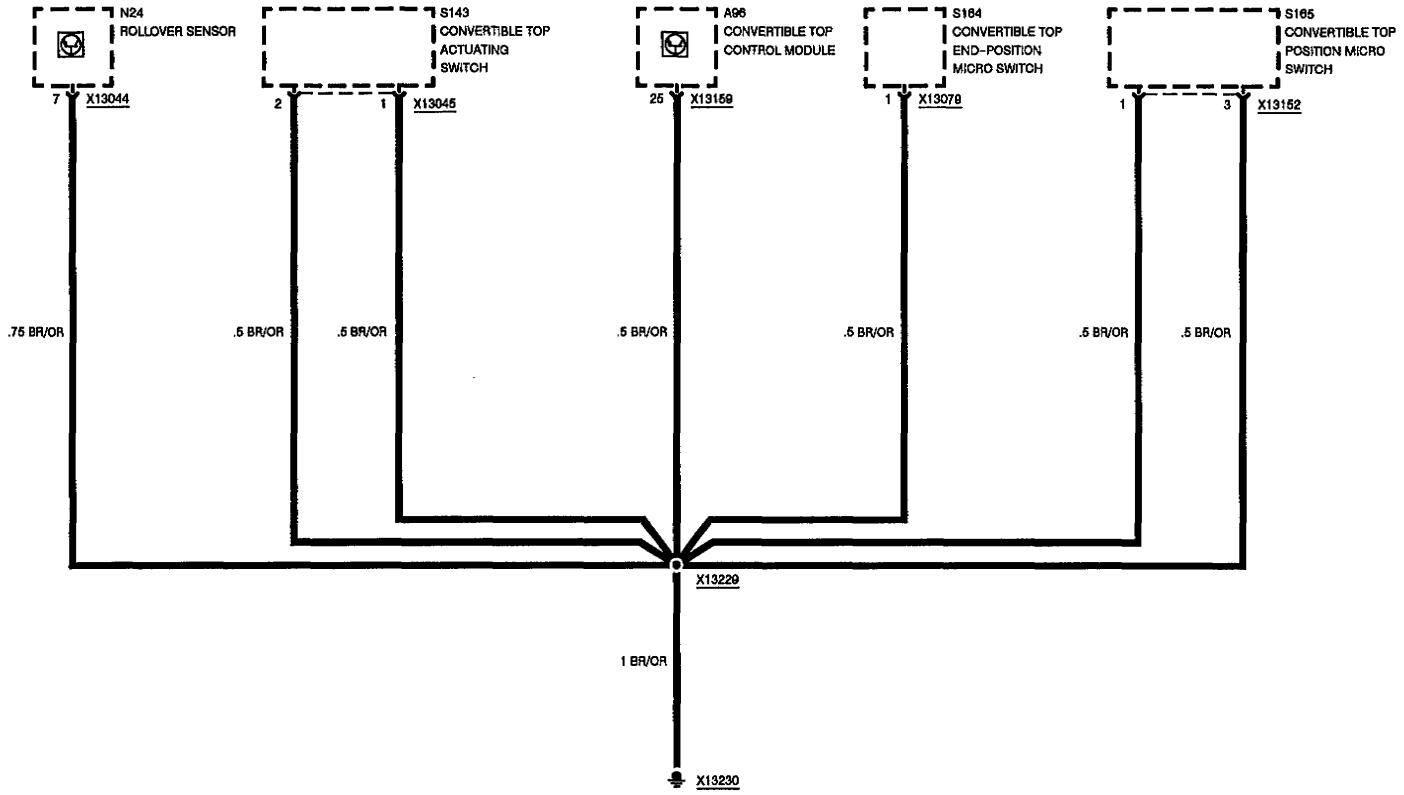
GROUNDS X13009, X13016, AND X18723



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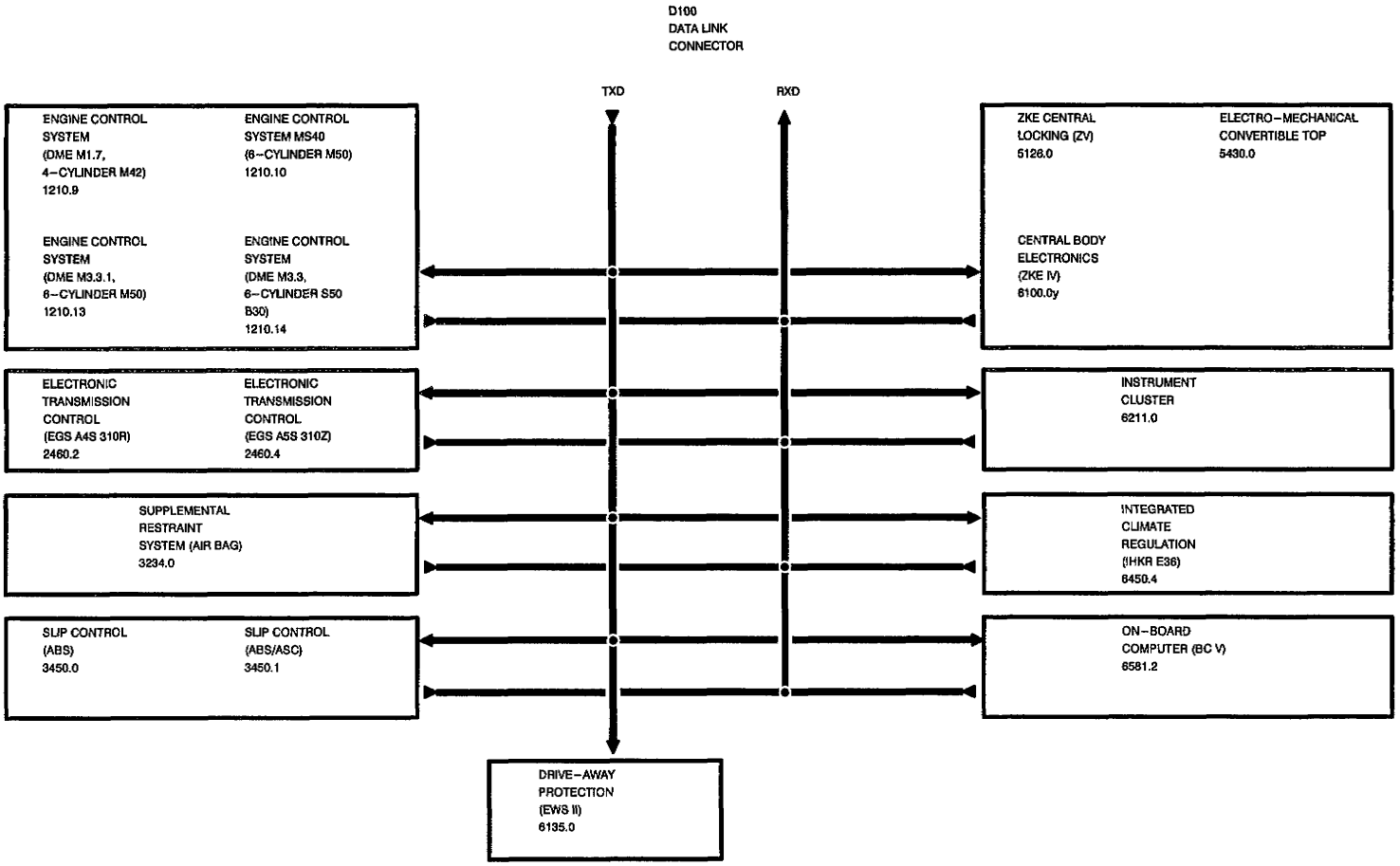
GROUND X13230



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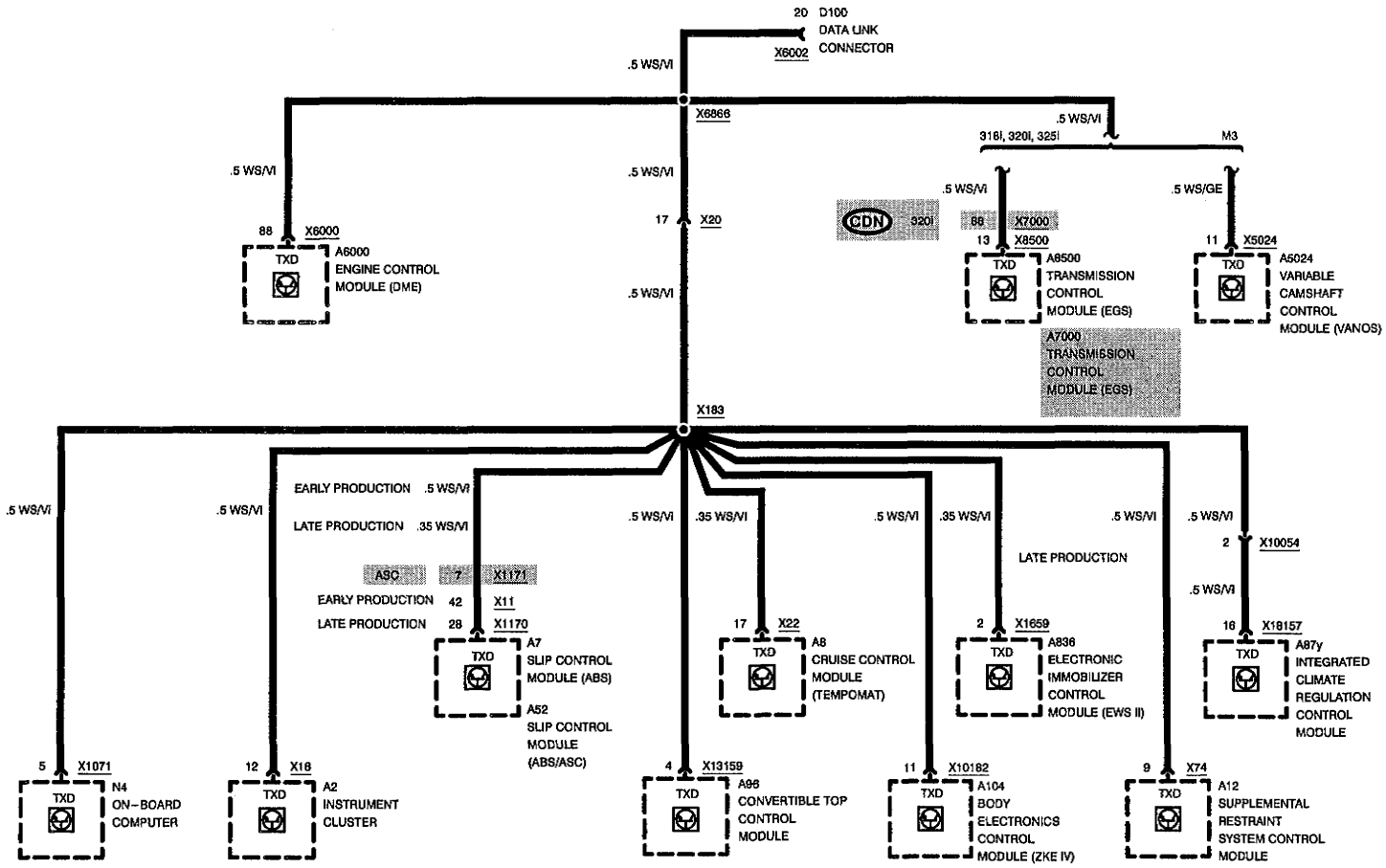
DATA LINK
BLOCK DIAGRAM



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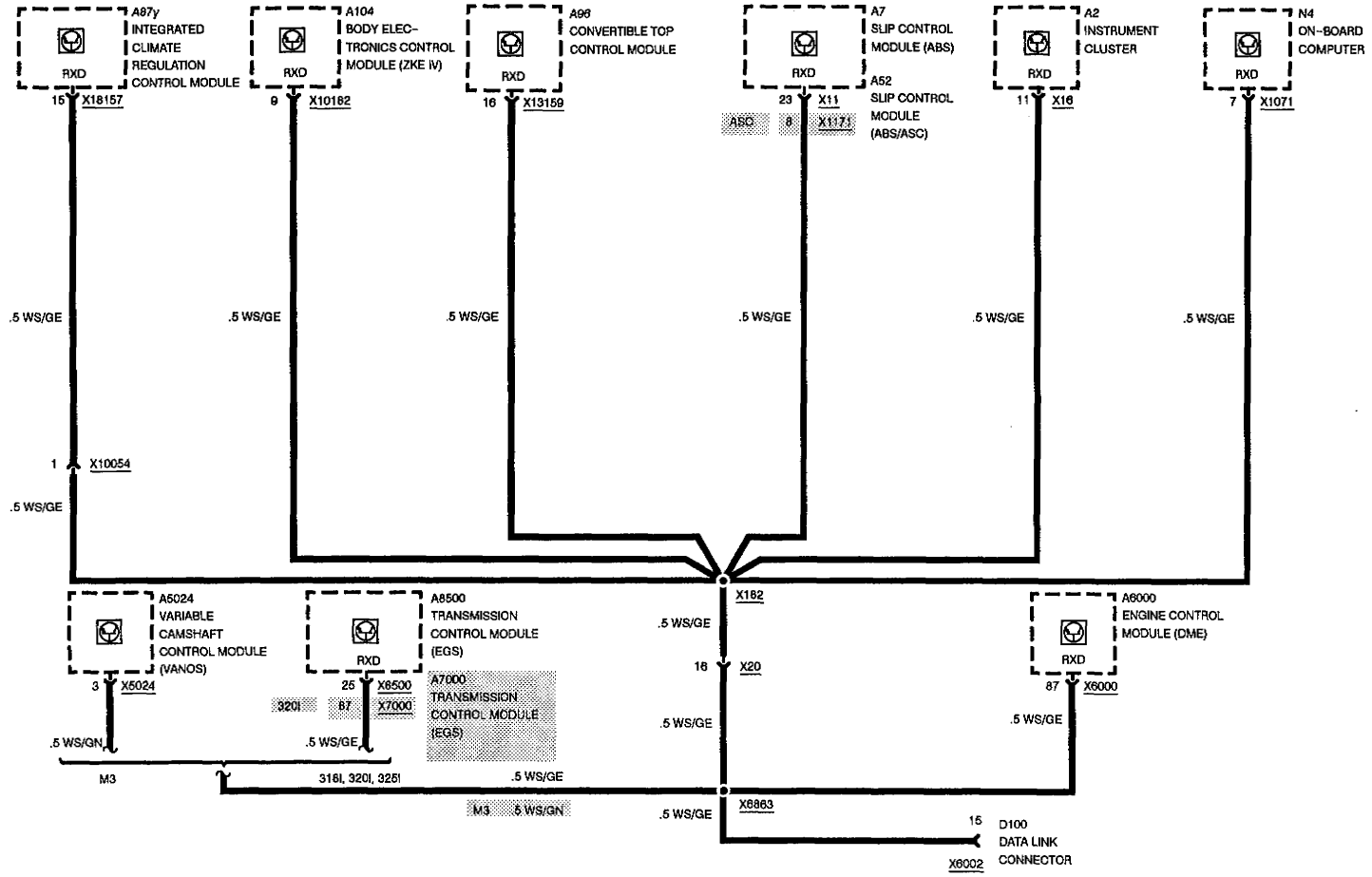
TXD, PIN 20



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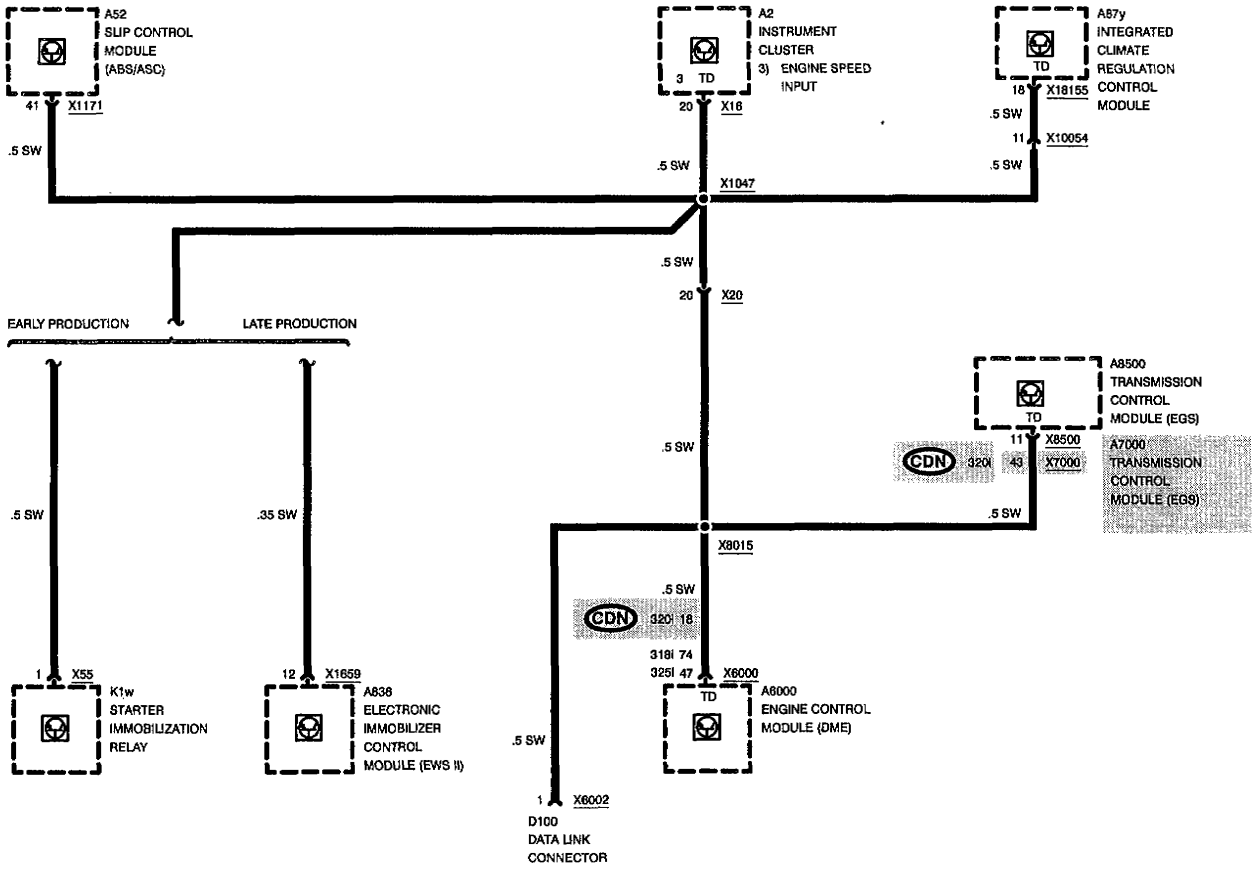
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RXD, PIN 15



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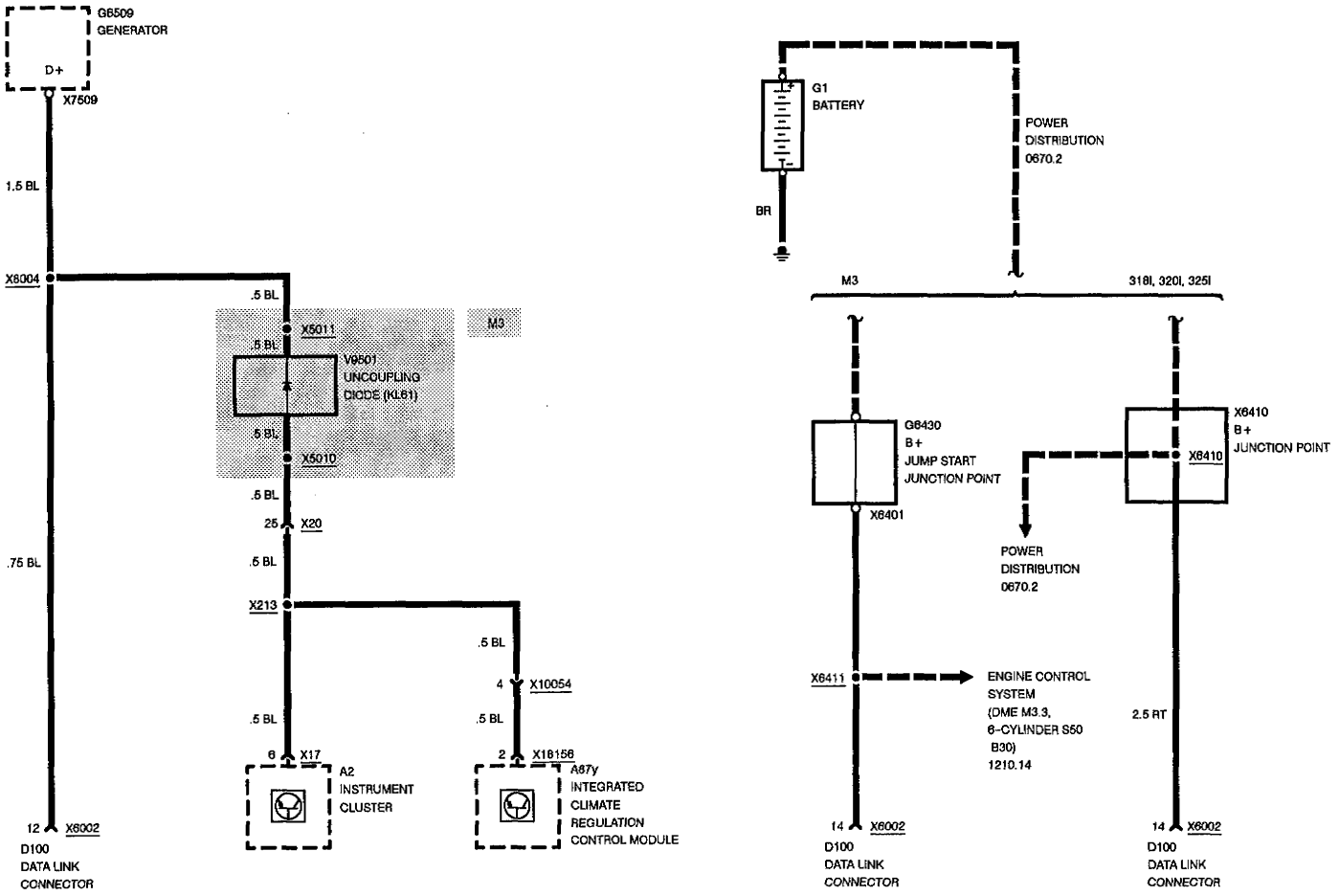
DATA LINK CONNECTOR, PIN 1



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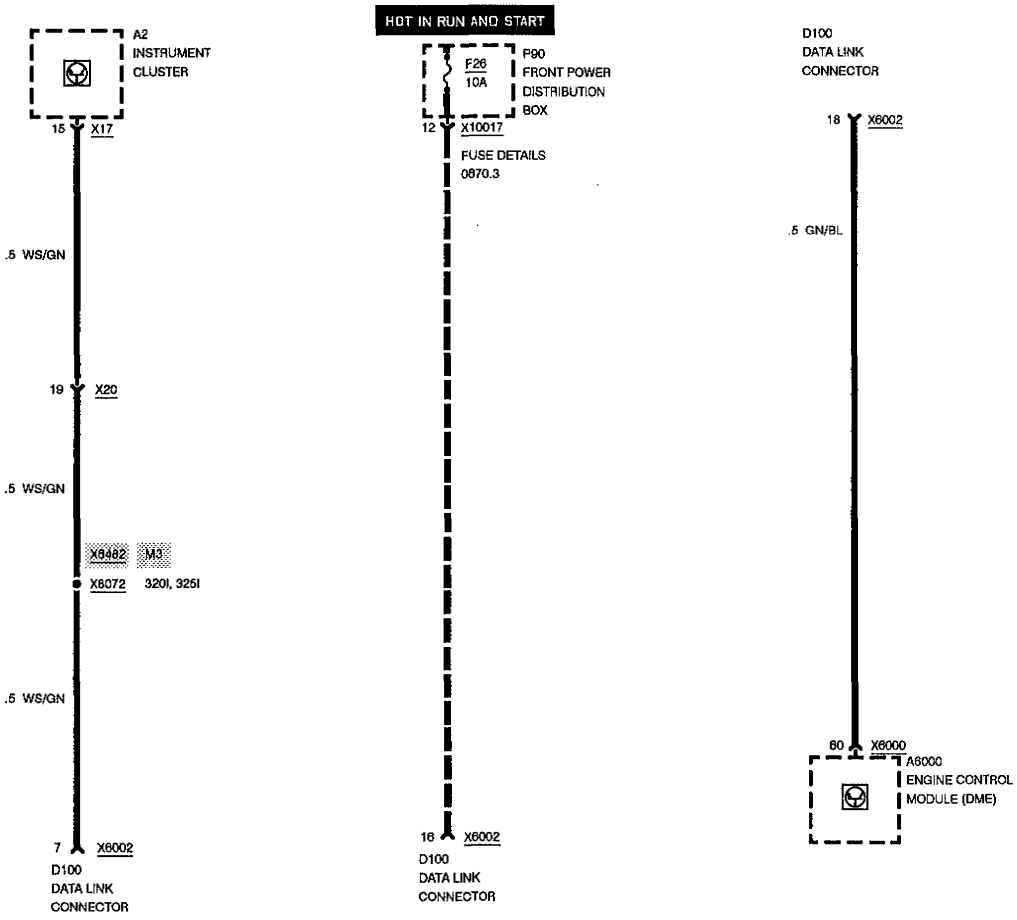
DATA LINK

DATA LINK CONNECTOR PINS 12 AND 14



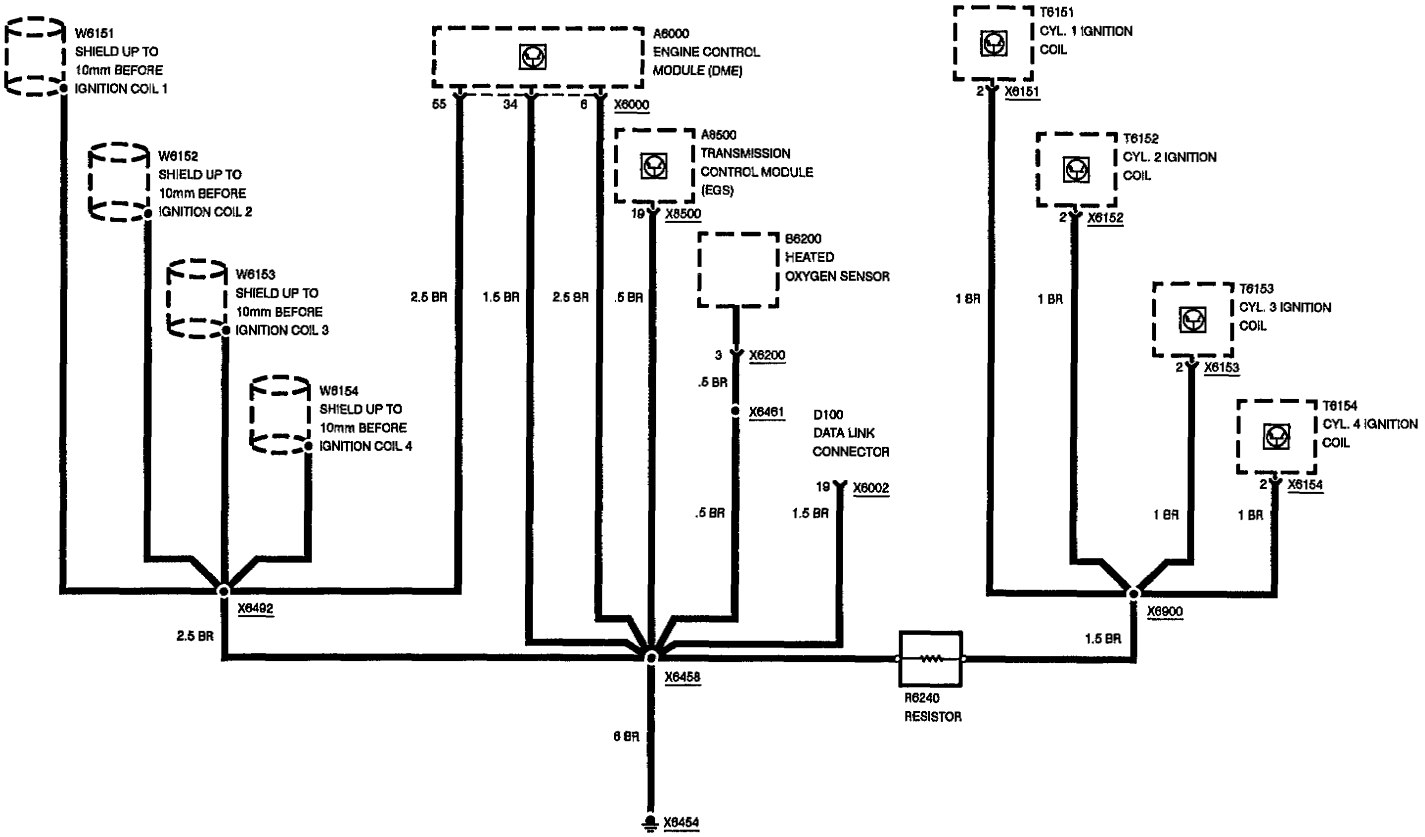
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DATA LINK CONNECTOR PINS 7, 16, AND 18



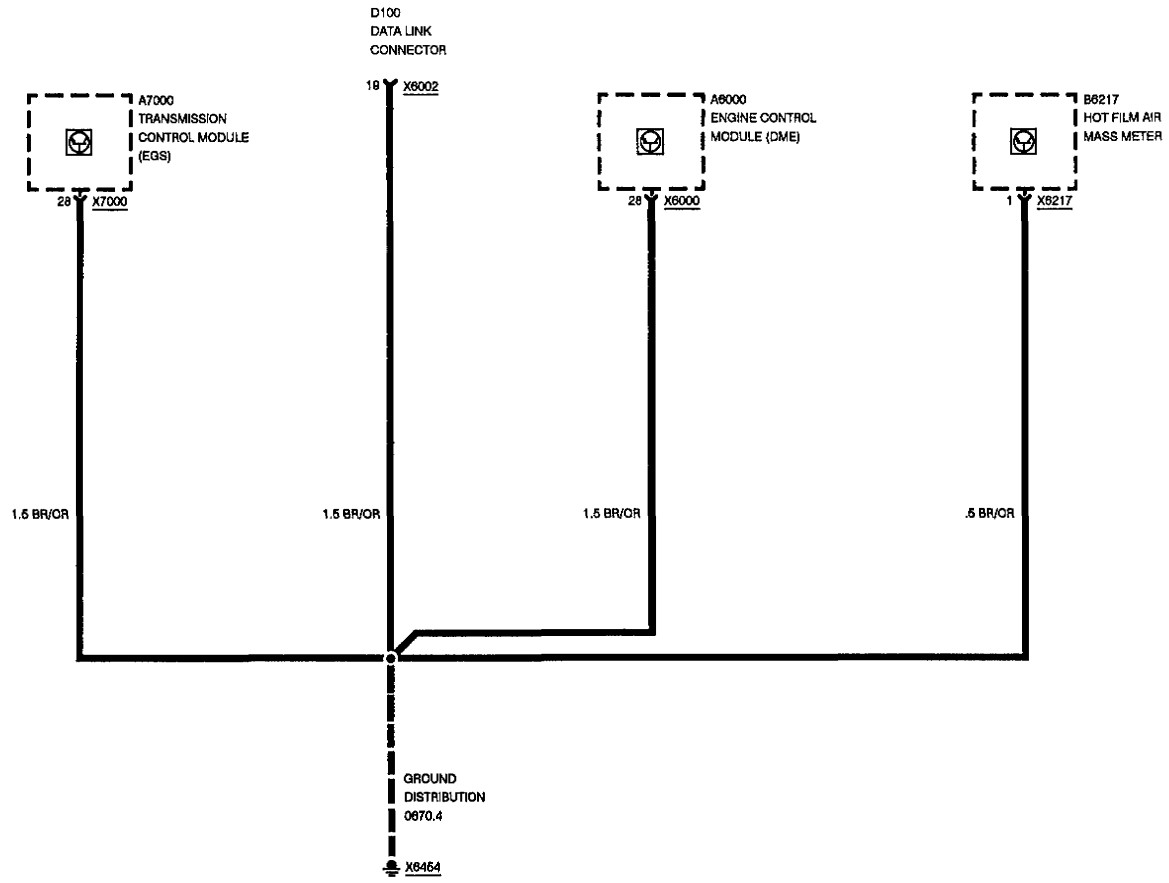
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DATA LINK CONNECTOR PIN 19



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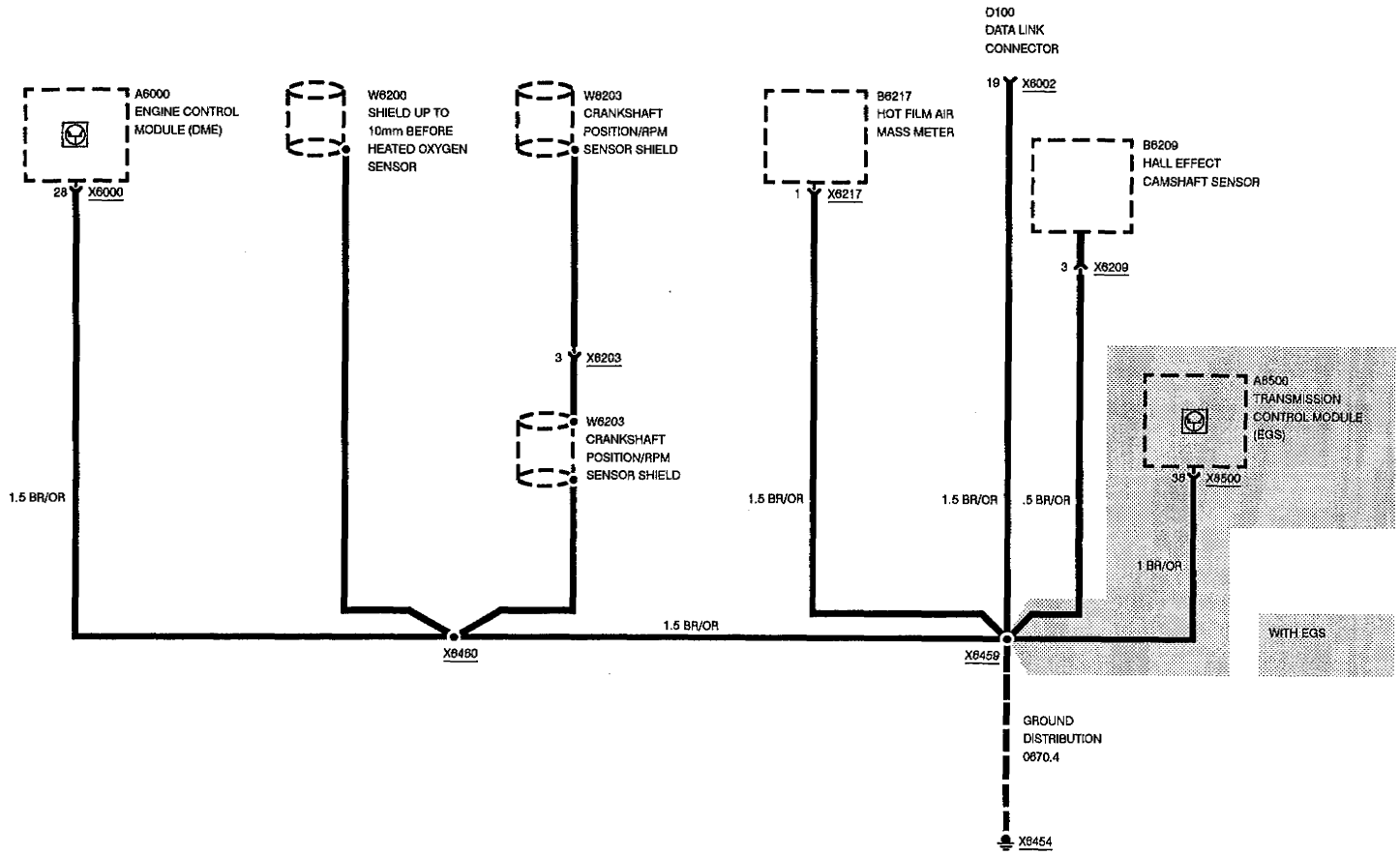
DATA LINK CONNECTOR PIN 19



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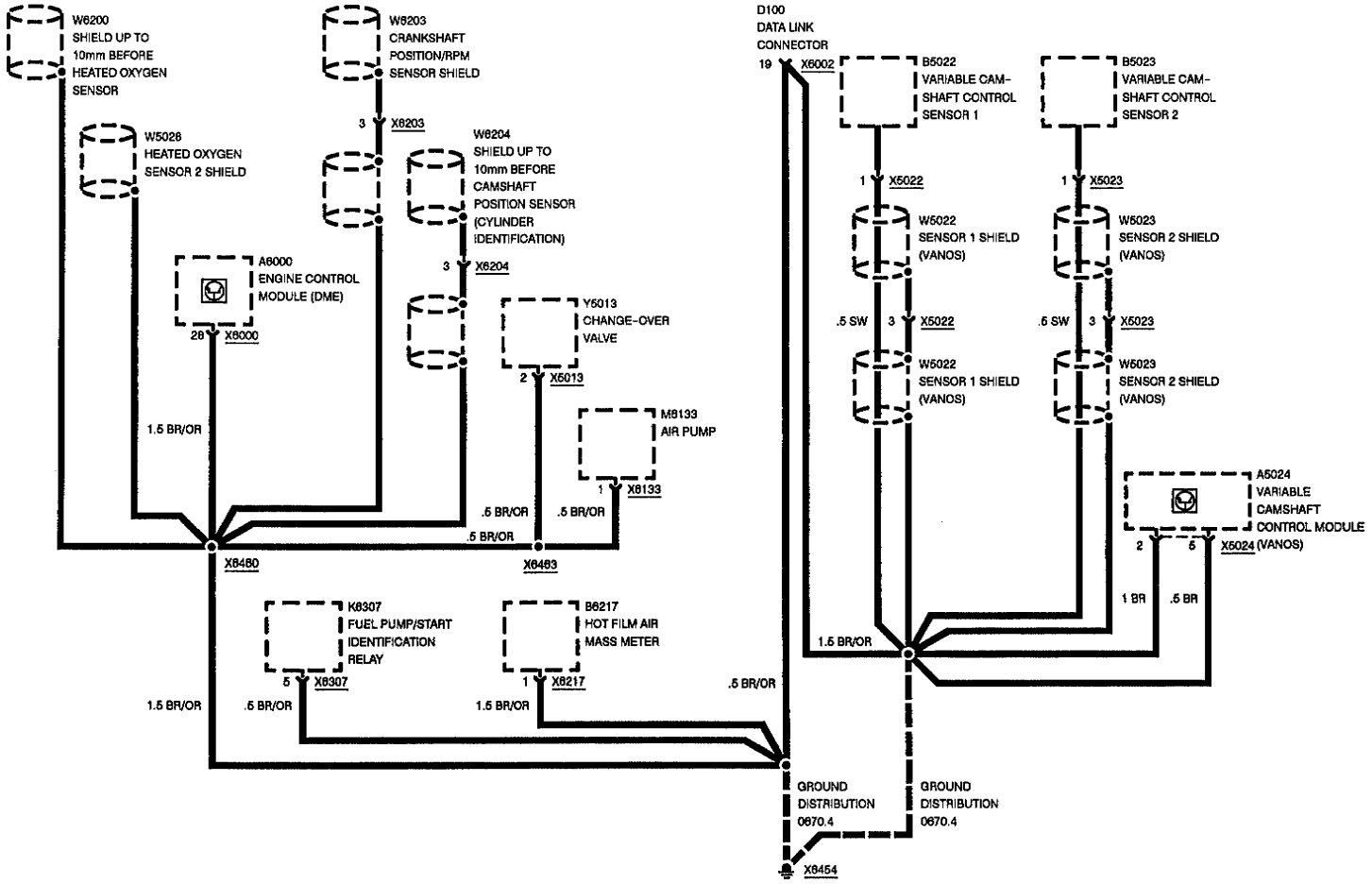
DATA LINK

DATA LINK CONNECTOR PIN 19



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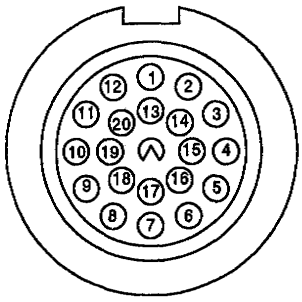
DATA LINK CONNECTOR PIN 19



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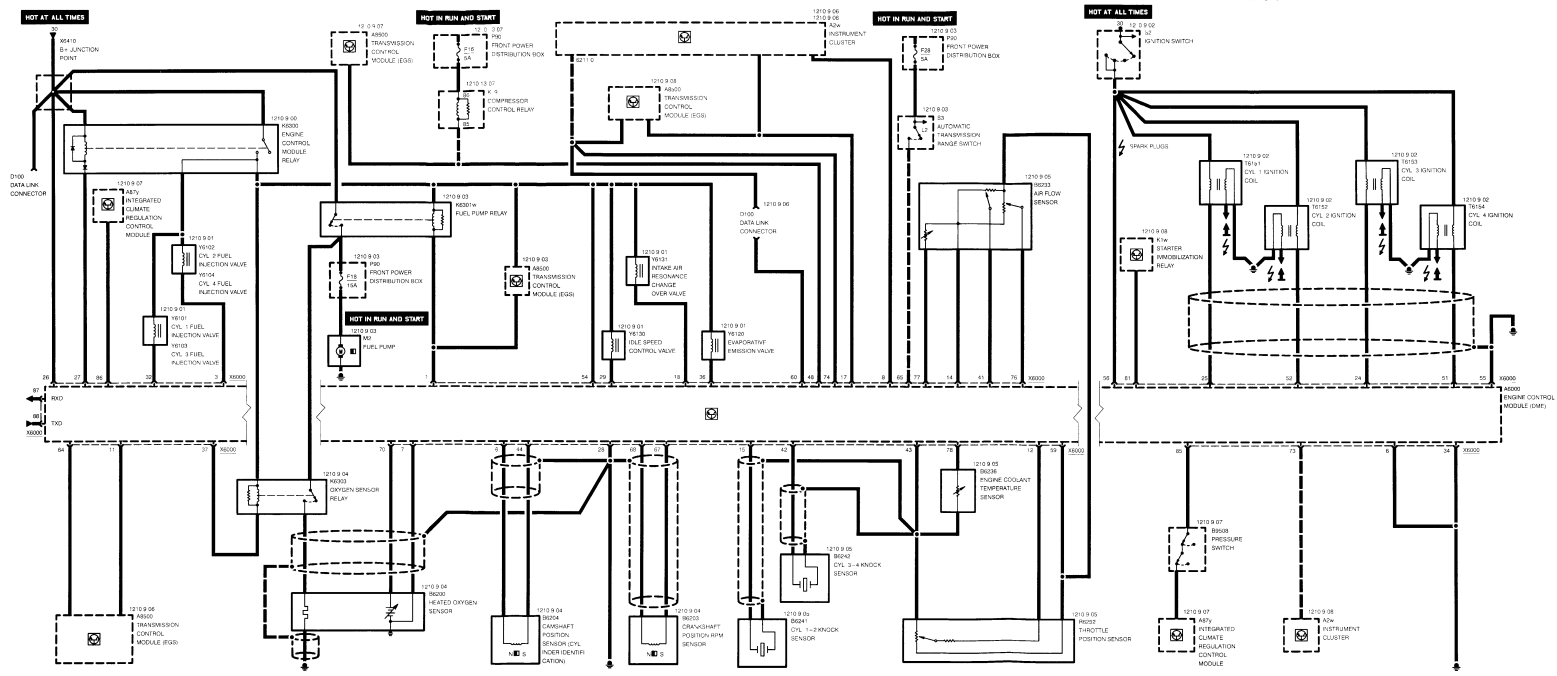
DATA LINK

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	–	NOT OCCUPIED	
12	61(D+)	GENERATOR CHARGE INDICATOR	BL
13	–	NOT OCCUPIED	
14	30	VOLTAGE: HOT AT ALL TIMES	RT
15	RXD	DIAGNOSTIC DATA LINK	WS/GE
16	15S	VOLTAGE: IGNITION SWITCH IN RUN AND START	GN/WS
17	–	NOT OCCUPIED	
18	PGSP	PROGRAM SELECT FOR ENGINE CONTROL MODULE (DME)	GN/BL
19	31	GROUND	BR
20	TXD	DIAGNOSTIC DATA LINK	WS/VI

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Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	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 potentiomenter 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

E = Input, A = Output, M = Ground

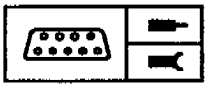
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Pin Assignments

Pin	Type	Description/Function	Connection
29	A	Idle speed control valve control	Idle speed control valve
30		Not used	
31		Not used	
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 ingnition 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 indentification)	Camshaft position sensor (cylinder indentification)
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	

E = Input, A = Output, M = Ground

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Pin Assignments

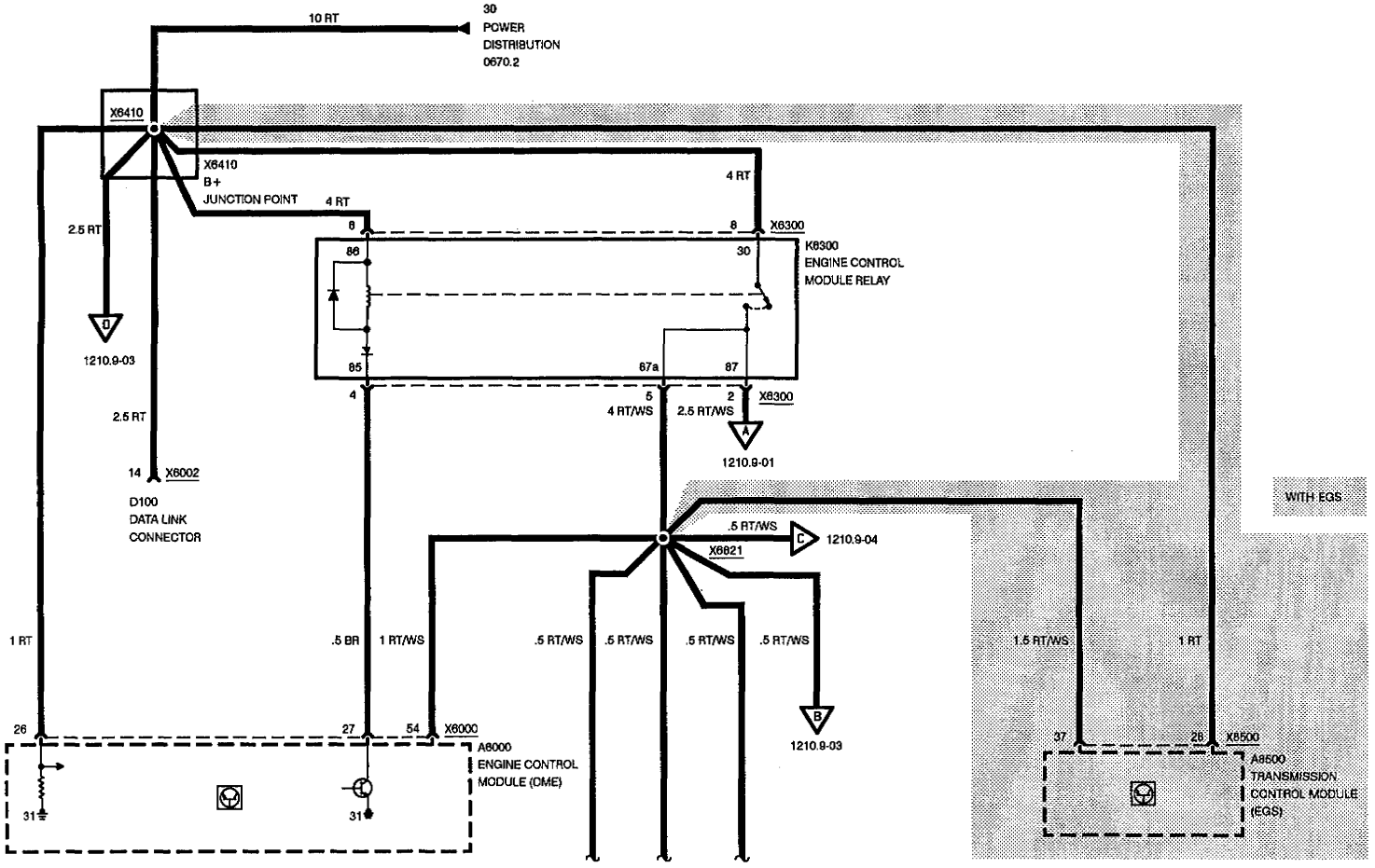
Pin	Type	Description/Function	Connection
58		Not used	
59	A	5V component supply	Throttle position sensor and volume air flow sensor
60	E	Programming voltage	Data link connector
61		Not used	
62		Not used	
63		Not used	
64	E	Ignition timing intervention	Transmission control module (EGS)
65	E	Drive range P/N	Automatic transmission range switch
66		Not used	
67	E	Crankshaft position/RPM sensor	Crankshaft position/RPM sensor
68	E	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)	Starter interlock module
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

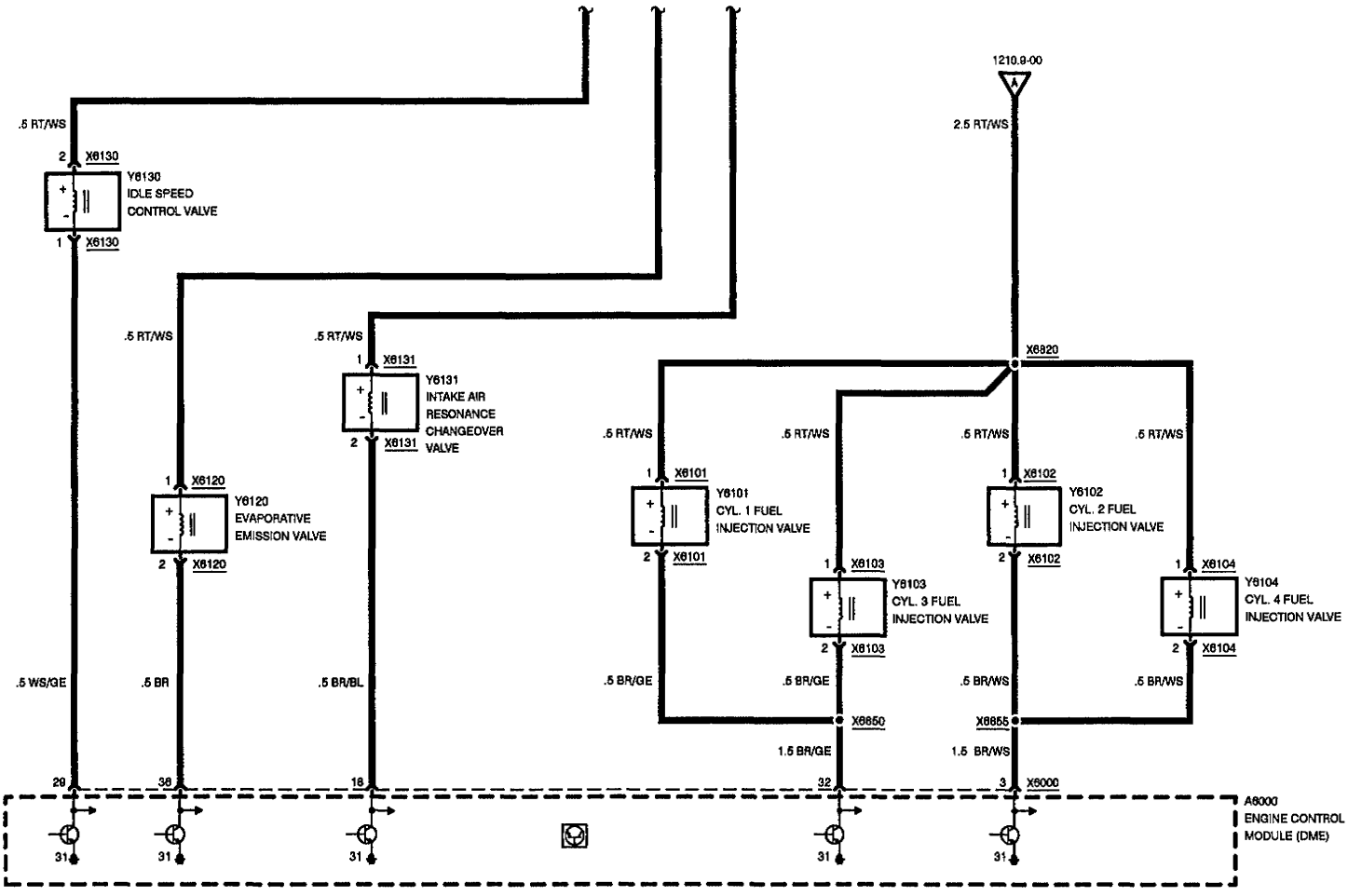
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ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

POWER, FUEL INJECTION VALVES



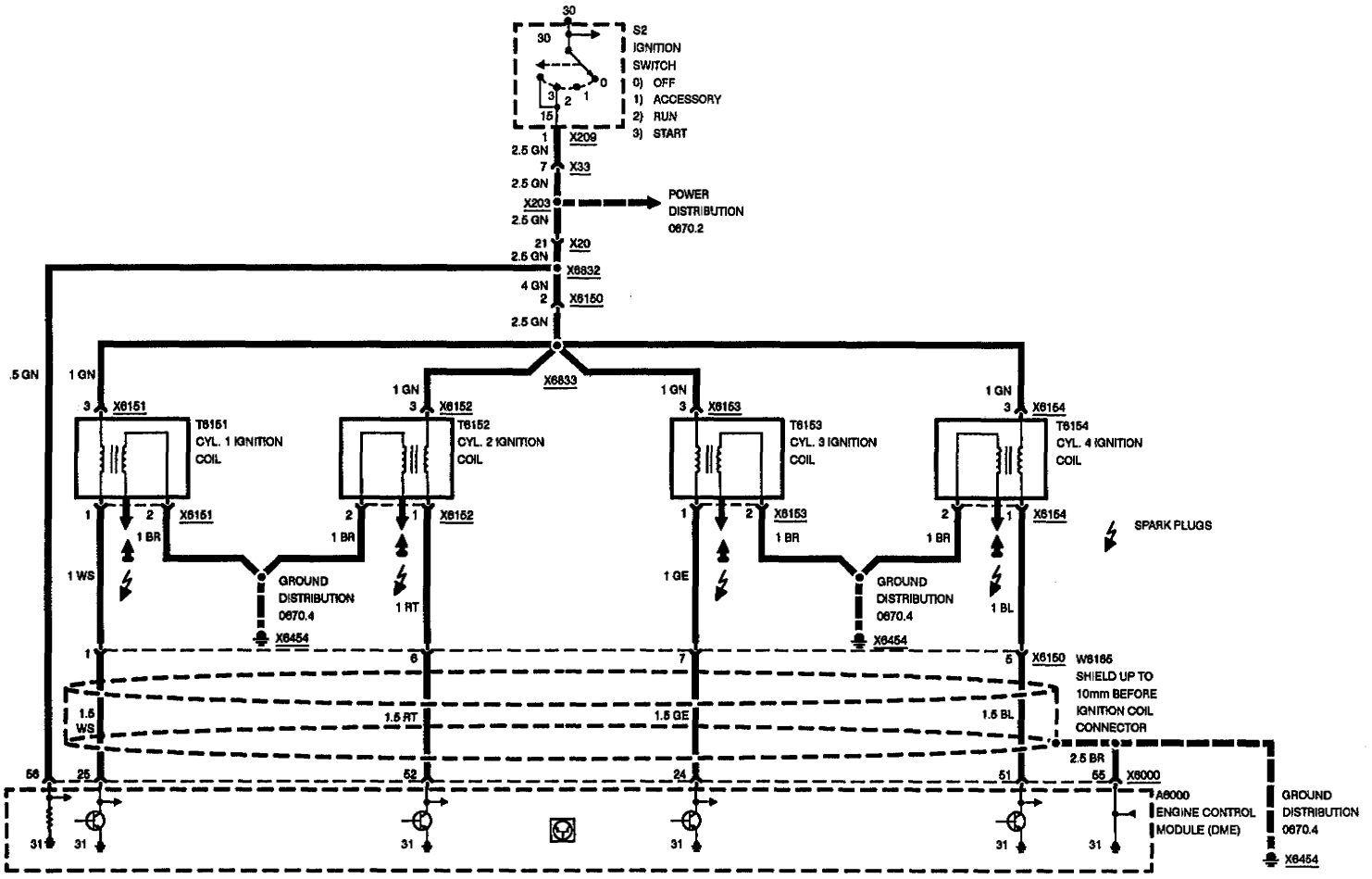
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ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

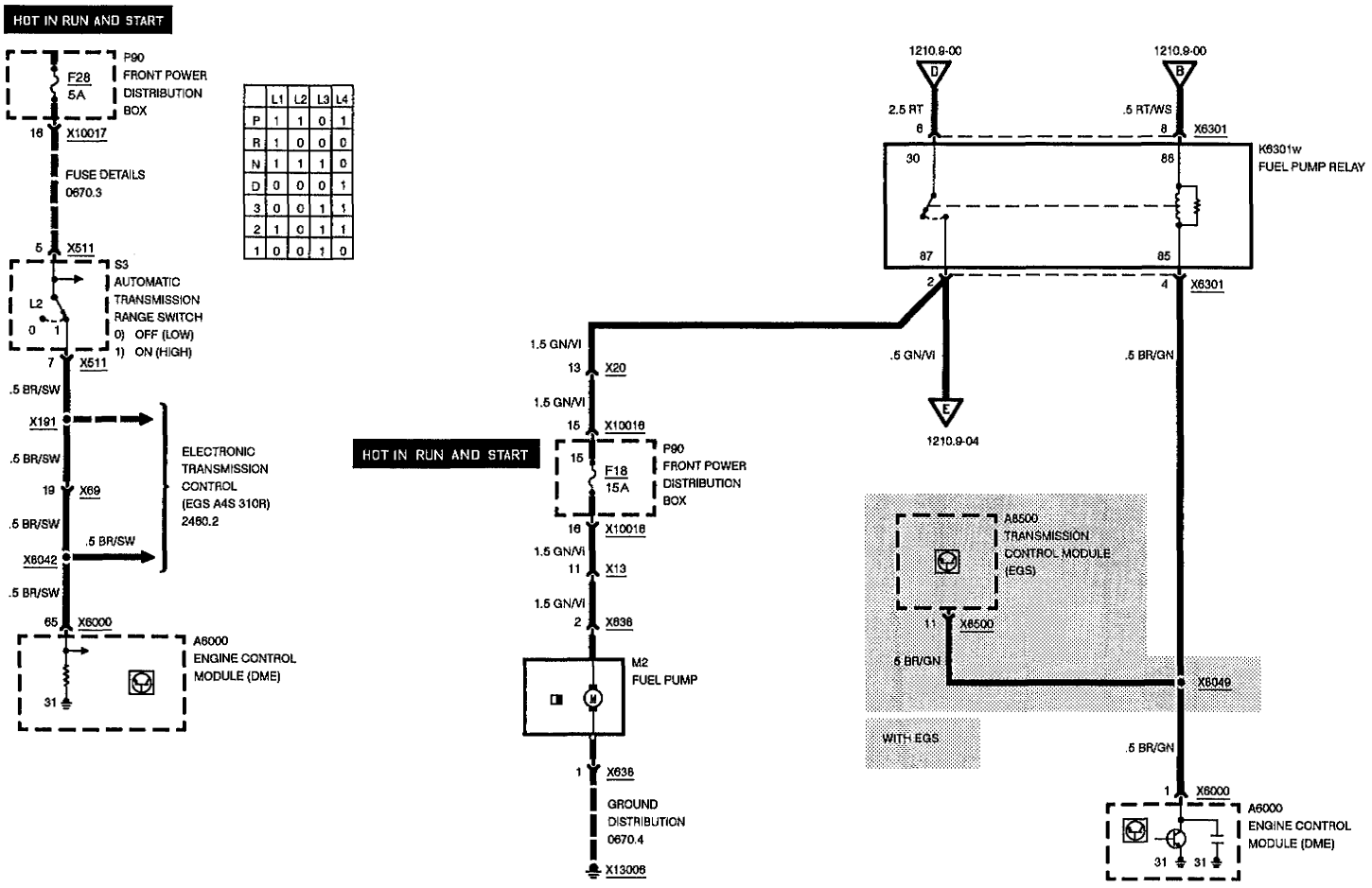
IGNITION COILS



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

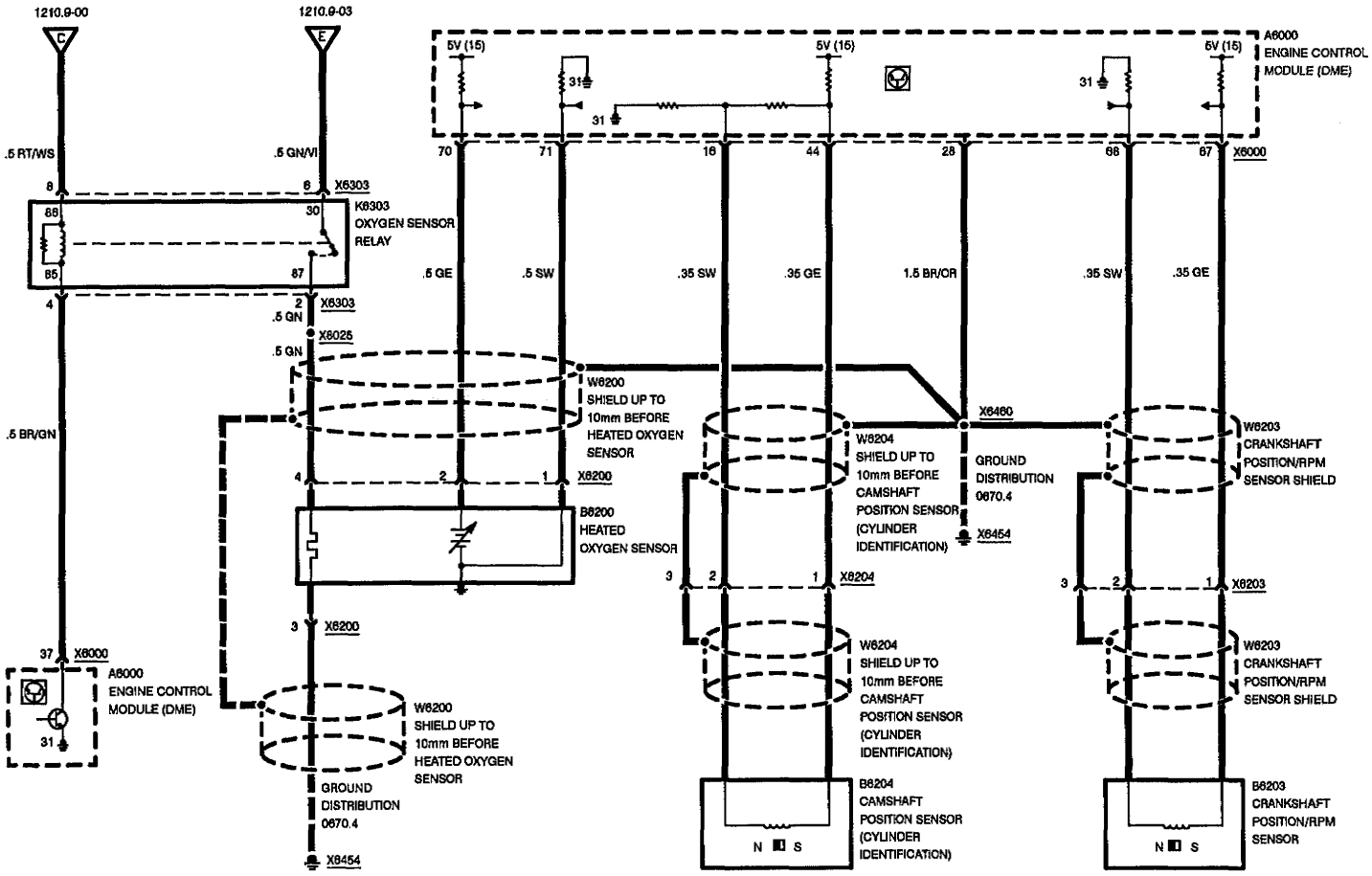
FUEL PUMP



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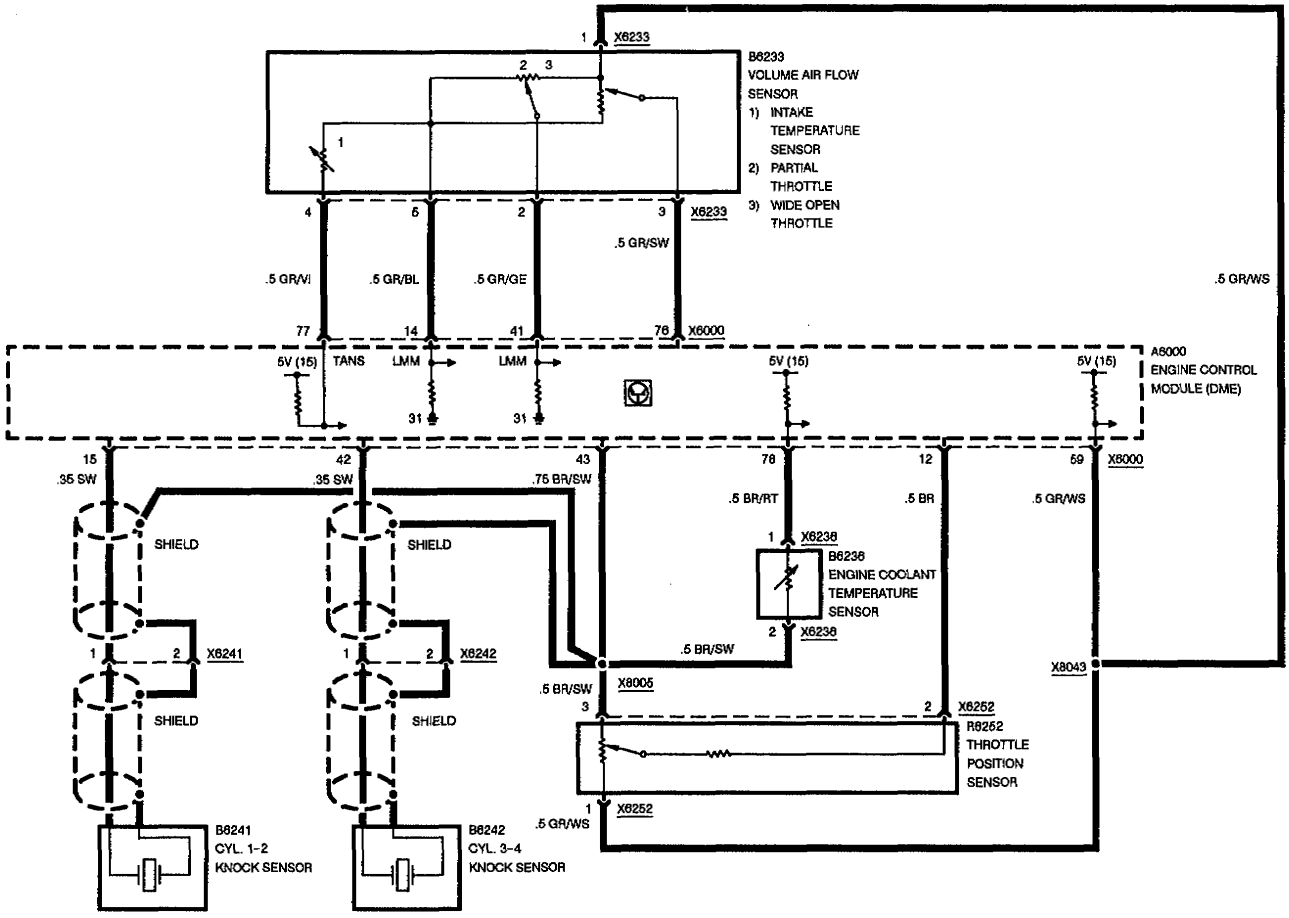
ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

HEATED OXYGEN SENSOR, CRANKSHAFT SENSORS



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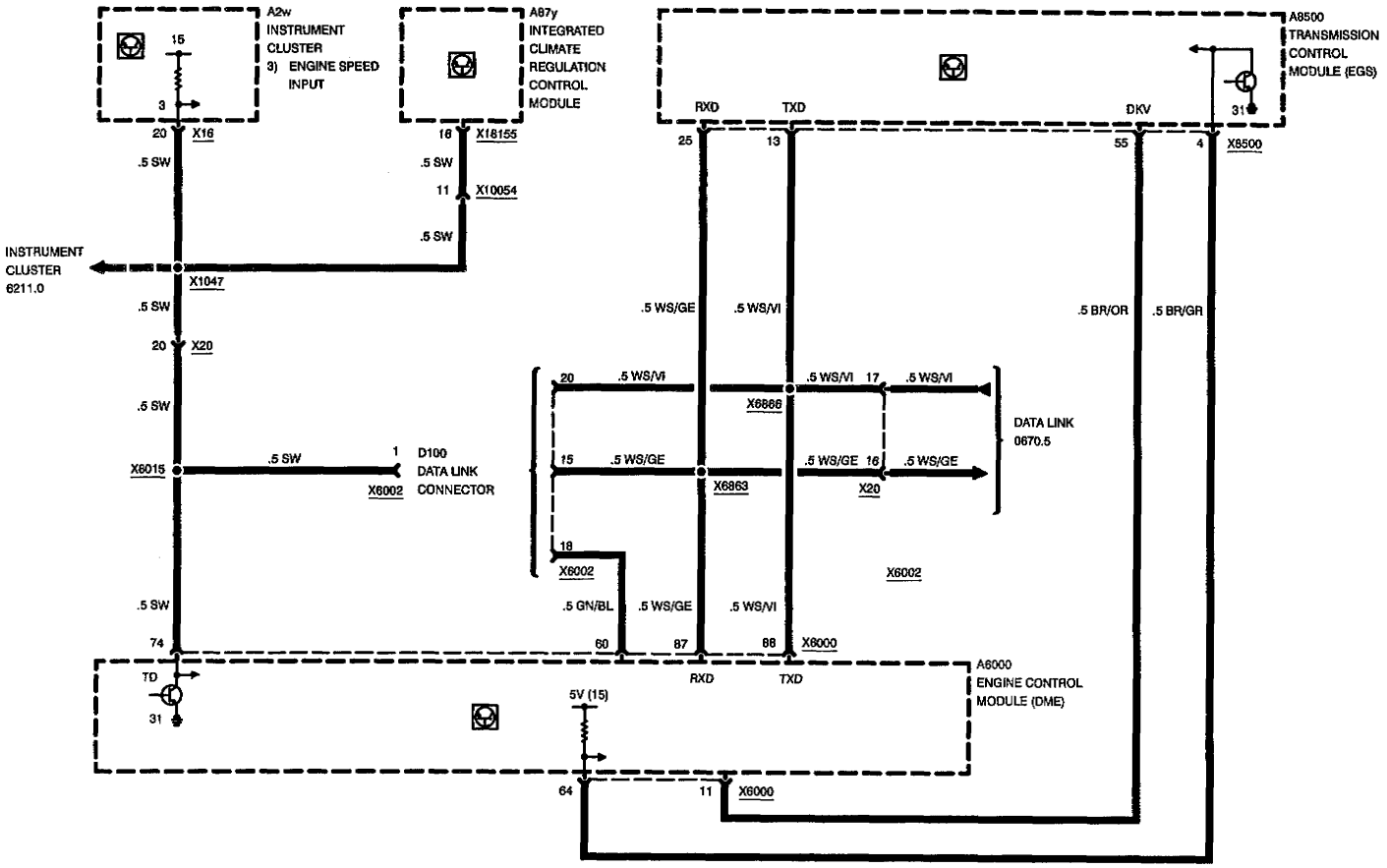
ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)



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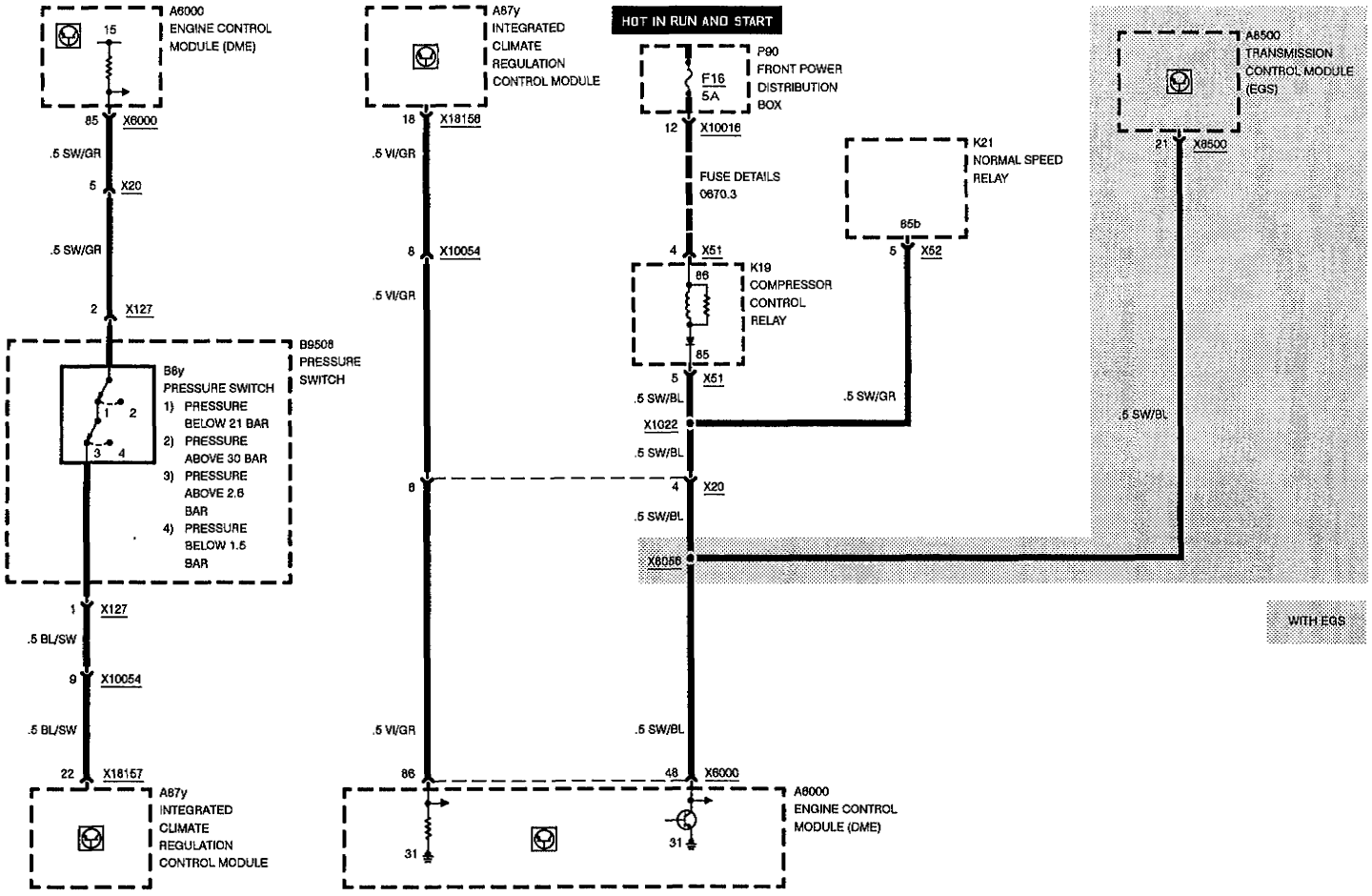
ENGINE CONTROL SYSTEM (DME M1.7, 4–CYLINDER M42)

DATA LINK



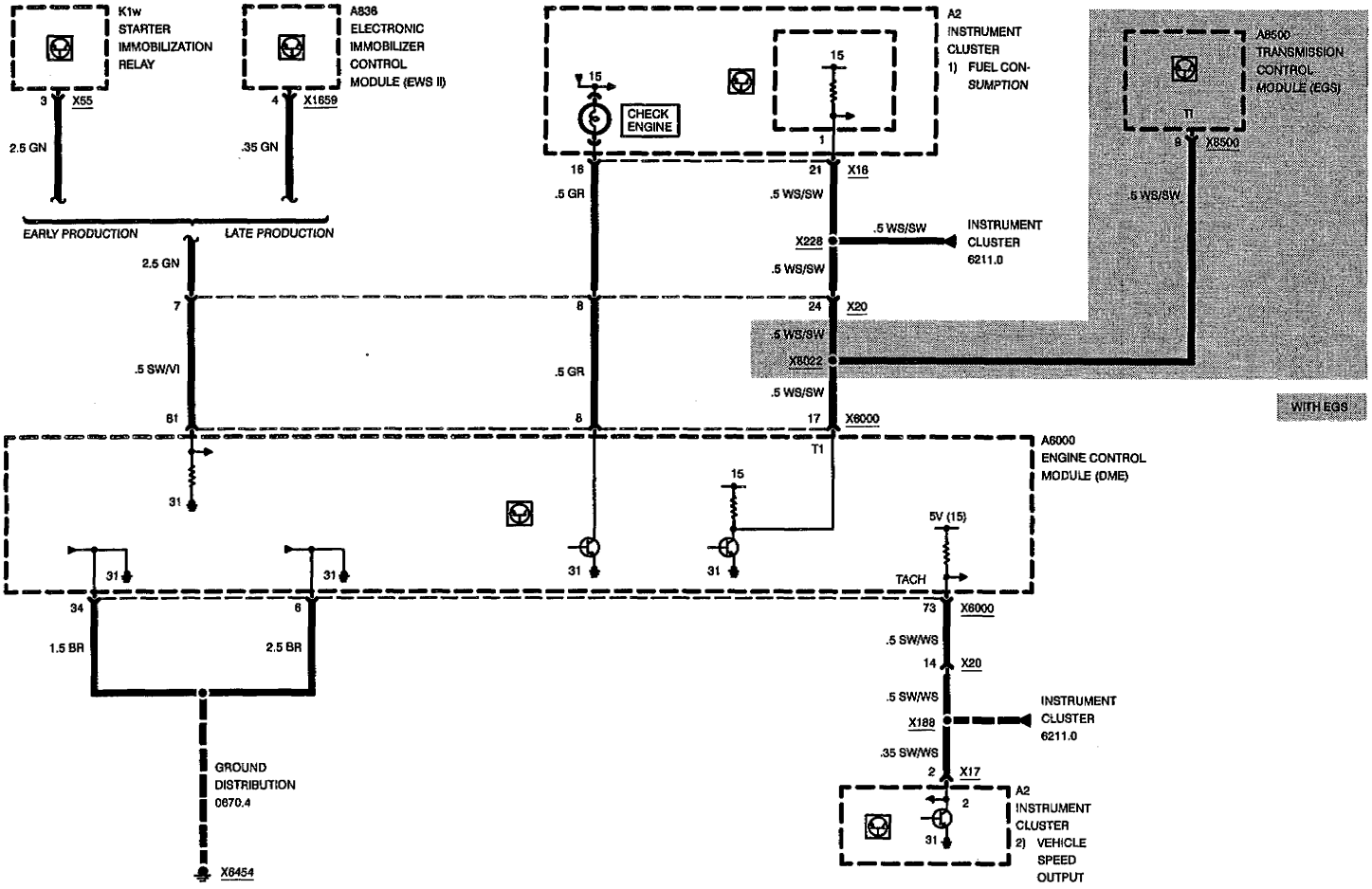
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ENGINE CONTROL SYSTEM (DME M1.7, 4-CYLINDER M42)

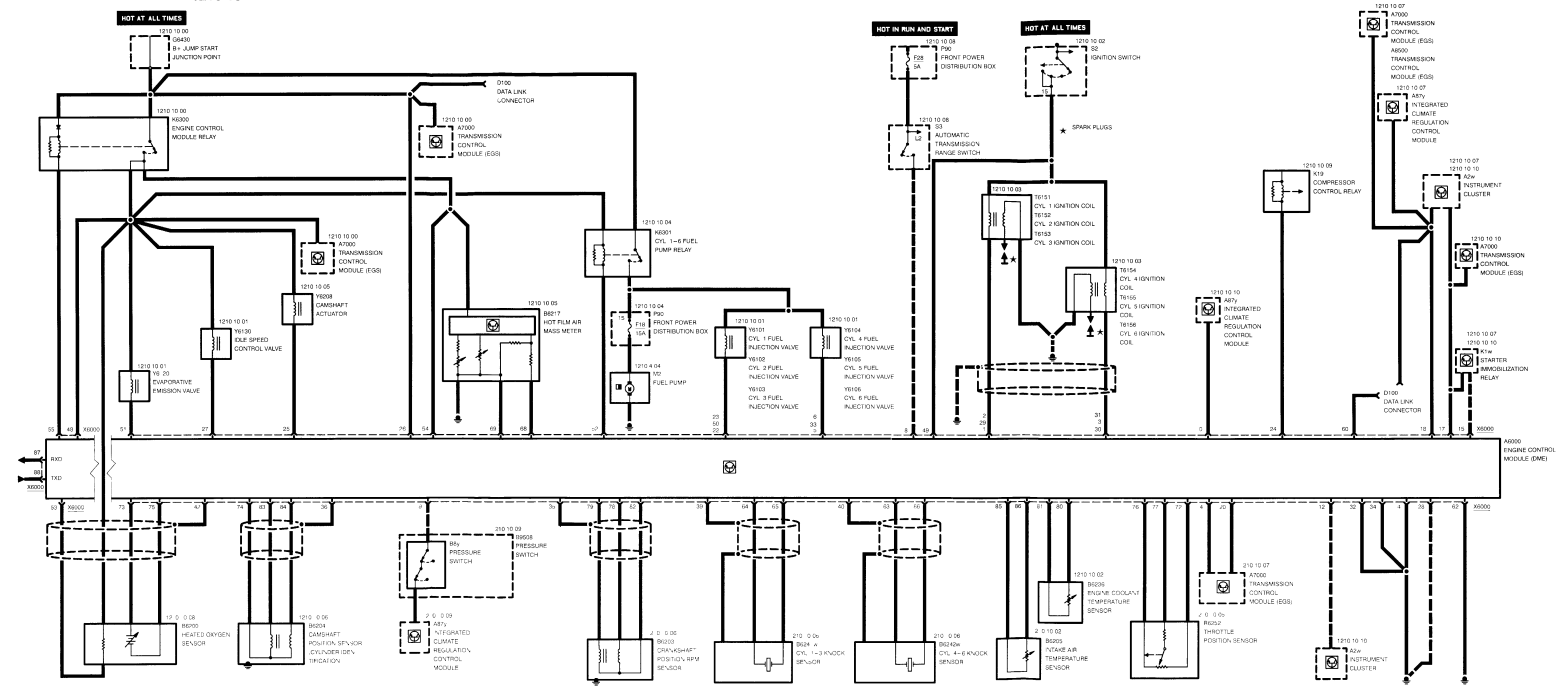


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ENGINE CONTROL SYSTEM (DME M1.7, 4–CYLINDER M42)



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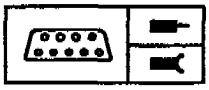
Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Cyl. 1 ignition coil control	Cyl. 1 ignition coil
2	A	Cyl. 3 ignition coil control	Cyl. 3 ignition coil
3	A	Cyl. 5 ignition coil control	Cyl. 5 ignition coil
4	M	Ground	Ground
5	A	Cyl. 6 fuel injection valve control	Cyl. 6 fuel injection valve
6	A	Cyl. 4 fuel injection valve control	Cyl. 4 fuel injection valve
7		Not used	
8	E	Drive range P/N	Automatic transmission range switch
9	A	A/C signal	Pressure switch
10	A	Auxiliary ventilation signal	Integrated climate regulation control module
11		Not used	
12	E	Vehicle speed signal	Instrument cluster
13		Not used	
14	A	Throttle valve position	Transmission control module (EGS)
15	E	Drive-away protection signal	Starter interlock module
16		Not used	
17	A	TI - measurement signal (fuel consumption)	Instrument cluster
18	A	Crankshaft RPM speed signal TD	Instrument cluster
19		Not used	
20	E	Ignition timing intervention	Transmission control module (EGS)
21		Not used	
22	A	Cyl. 3 fuel injection valve control	Cyl. 3 fuel injection valve
23	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
24	A	A/C compressor control	Compressor control relay
25	A	Camshaft control signal	Camshaft control
26	E	Battery voltage	Jump start junction point
27	A	Idle speed signal	Idle speed control valve
28	M	Ground	Ground
29	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
30	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil

E = Input, A = Output, M = Ground

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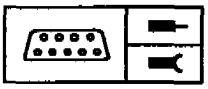


Pin Assignments

Pin	Type	Description/Function	Connection
31	A	Cyl. 6 ignition coil control	Cyl. 6 ignition coil
32	M	Ground	Ground
33	A	Cyl. 5 fuel injection valve control	Cyl.5 fuel injection valve
34	M	Ground	Ground
35	M	Shield, crankshaft position/RPM sensor	Shield
36	M	Shield, camshaft sensor	Shield
37		Not used	
38		Not used	
39	M	Shield, knock sensor (Cyl. 1-3)	Knock sensor (Cyl. 1-3)
40	M	Shield, knock sensor (Cyl. 4-6)	Knock sensor(Cyl. 4-6)
41		Not used	
42	M	Shield, oxygen sensor	Shield
43		Not used	
44		Not used	
45		Not used	
46		Not used	
47		Not used	
48	E	Voltage supply	Engine control module relay
49	E	Ignition signal	Ignition switch
50	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
51	A	Evaporative emission valve control	Evaporative emission valve
52	A	Fuel pump signal	Fuel pump relay
53	M	Ground, oxygen sensor	Oxygen sensor
54	E	Voltage supply	Engine control module relay
55	A	DME-relay signal	Engine control module relay
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60	E	Programming voltage	Data link connector
61		Not used	
62	M	Ground	Ground

E = Input, A = Output, M = Ground

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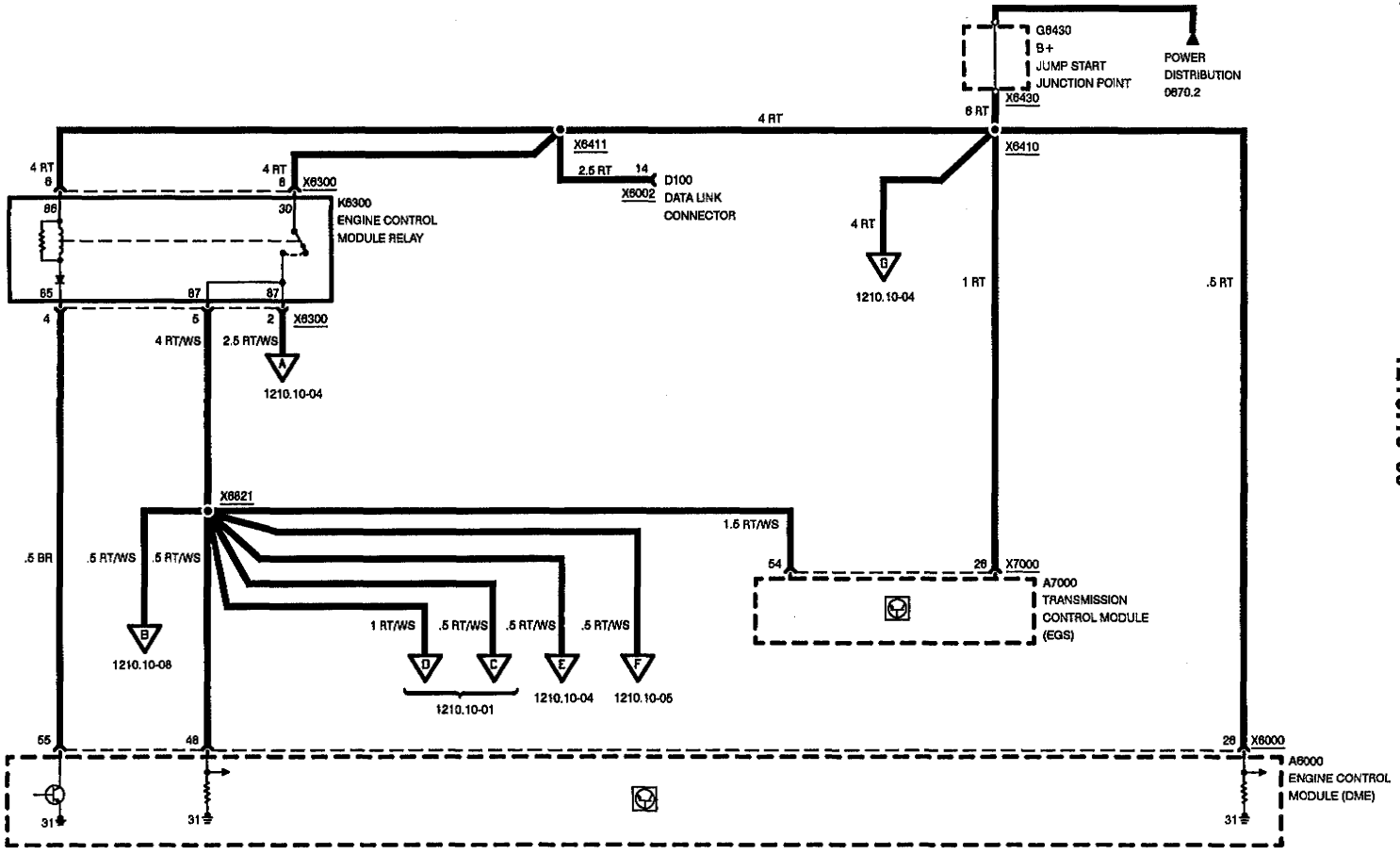


Pin Assignments

Pin	Type	Description/Function	Connection
63	E	Knock sensor signal (-)	Knock sensor (Cyl. 4-6)
64	E	Knock sensor signal (-)	Knock sensor (Cyl. 1-3)
65	A	Knock sensor signal (+)	Knock sensor (Cyl. 1-3)
66	A	Knock sensor signal (+)	Knock sensor (Cyl. 4-6)
67		Not used	
68	M	Ground, air mass meter	Hot film air mass meter
69	E	Air mass meter signal	Hot film air mass meter
70		Not used	
71		Not used	
72	A	Voltage supply	Throttle position sensor
73	E	Oxygen sensor signal	Oxygen sensor
74	M	Ground, hall effect camshaft sensor	Hall effect camshaft sensor
75	M	Ground, oxygen sensor	Oxygen sensor
76	M	Ground, throttle position sensor	Throttle position sensor
77	E	Throttle position signal	Throttle position sensor
78	E	Crankshaft position/RPM signal (-)	Crankshaft position/RPM sensor
79	A	Crankshaft position/RPM signal (+)	Crankshaft position/RPM sensor
80	E	Engine coolant temperature	Engine coolant temperature sensor
81	A	Engine coolant temperature	Engine coolant temperature sensor
82	M	Ground, crankshaft position/RPM sensor	Crankshaft position/RPM sensor
83	E	Camshaft signal (-)	Hall effect camshaft sensor
84	A	Camshaft signal (+)	Hall effect camshaft sensor
85	E	Engine intake air temperature	Engine intake air temperature sensor
86	M	Ground, engine intake air temperature sensor	Engine intake air temperature sensor
87	A	RxD diagnostic data link	Data link connector
88	E/A	TxD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground

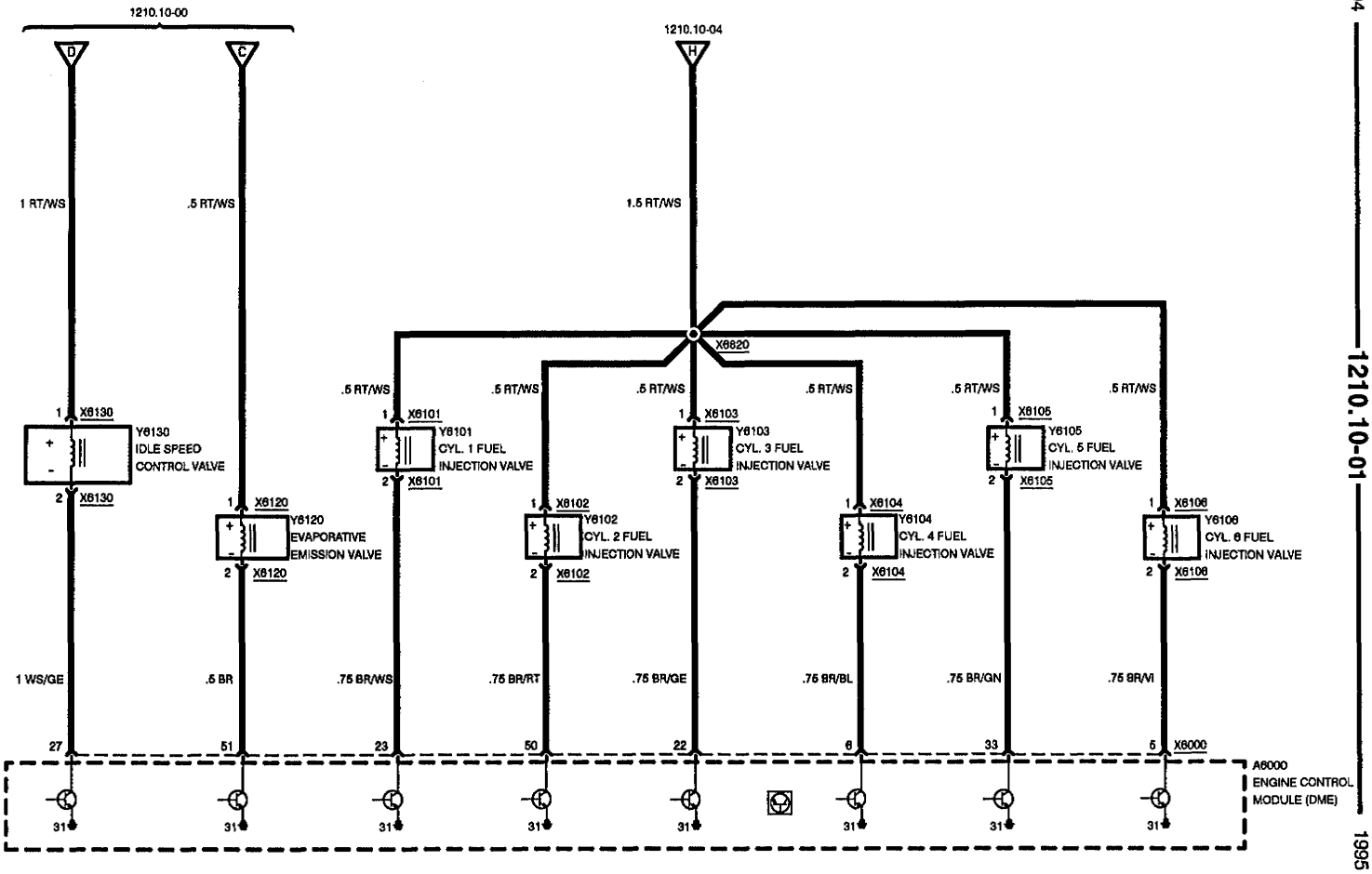
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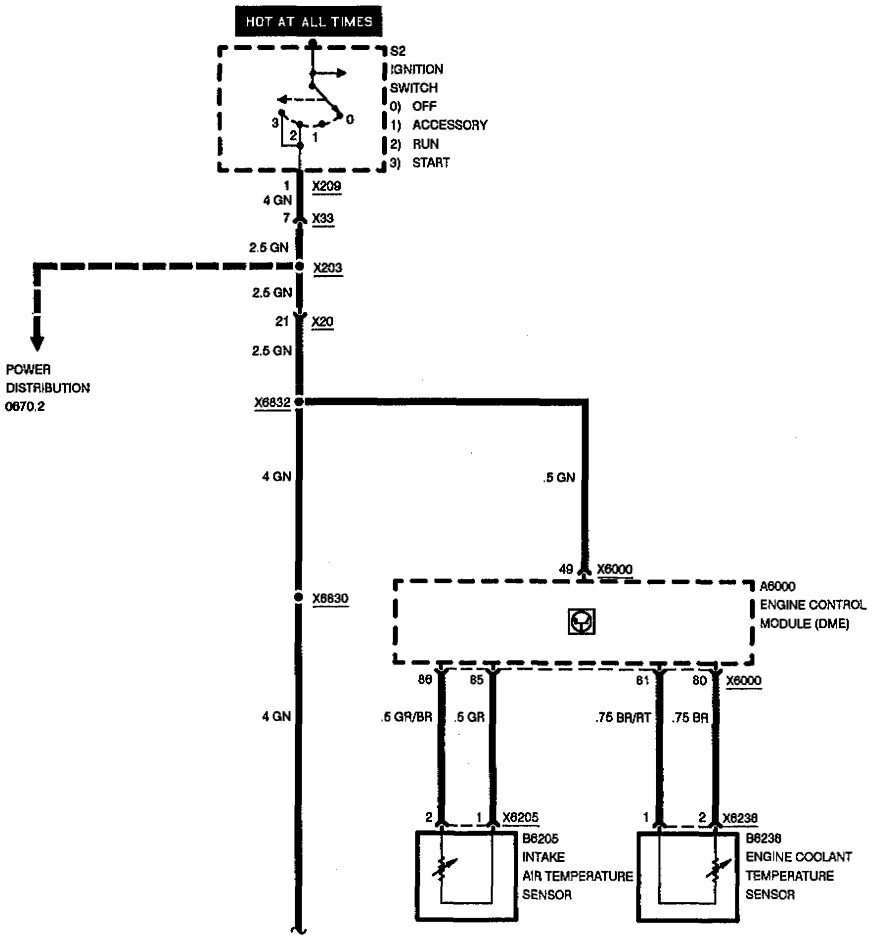
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ENGINE CONTROL SYSTEM MS40 (6-CYLINDER M50)

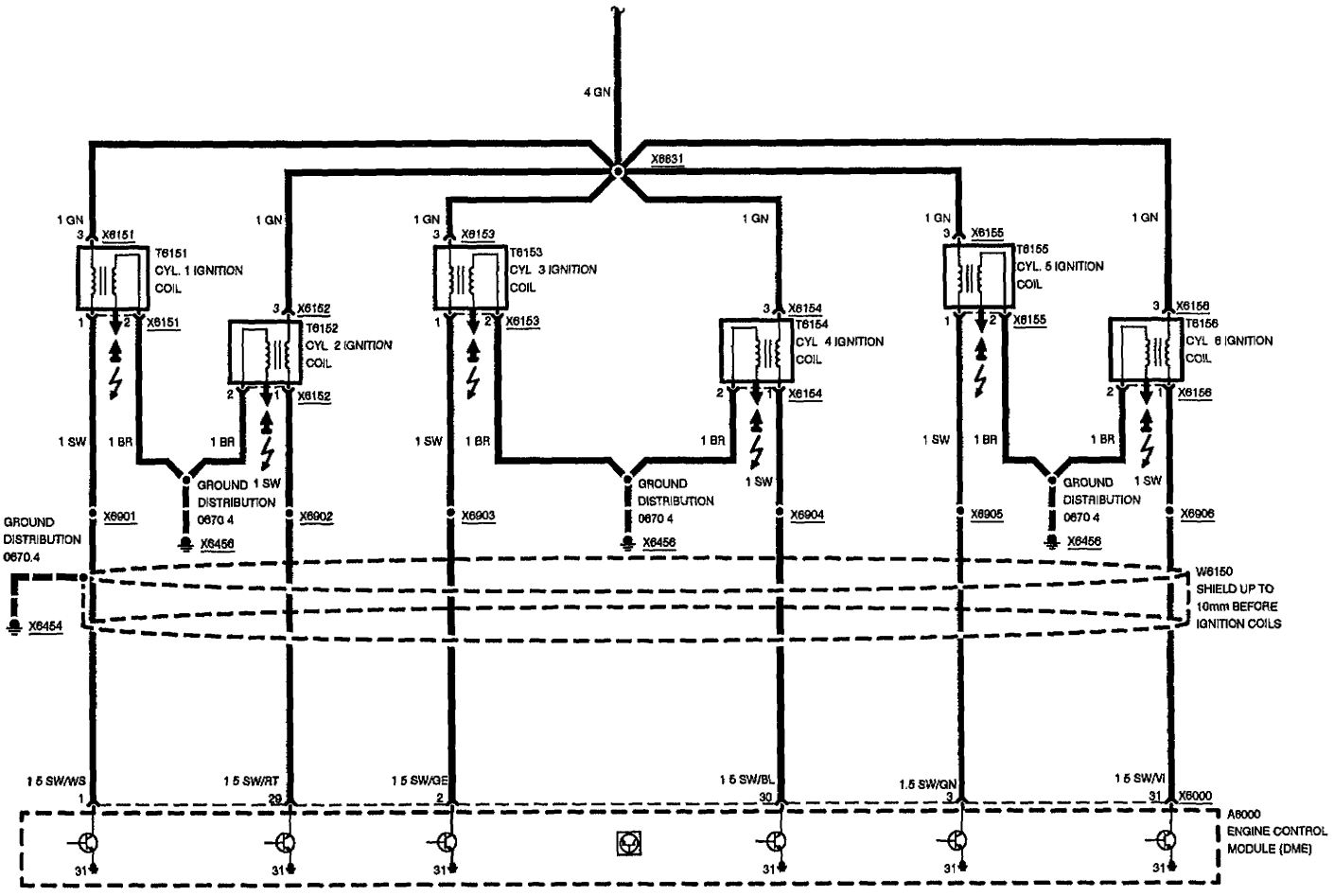
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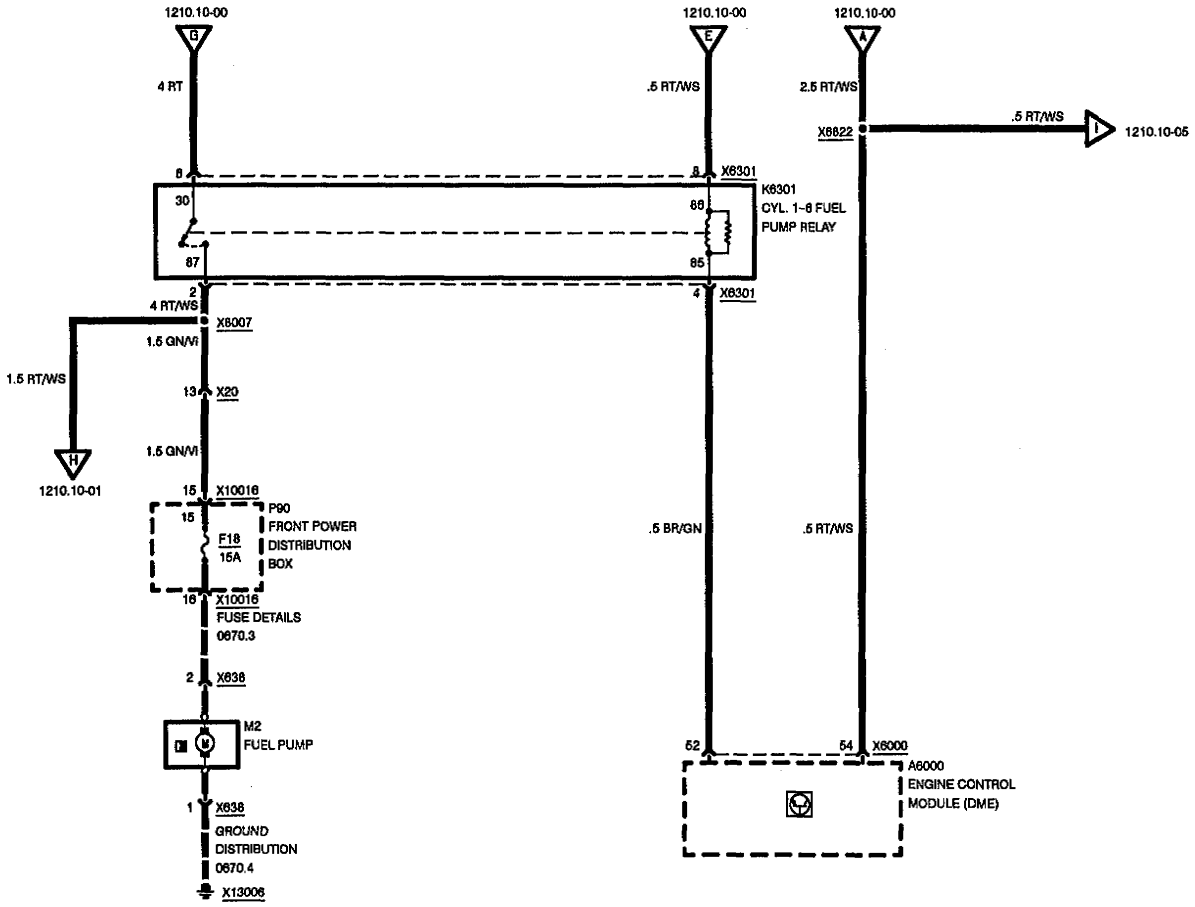
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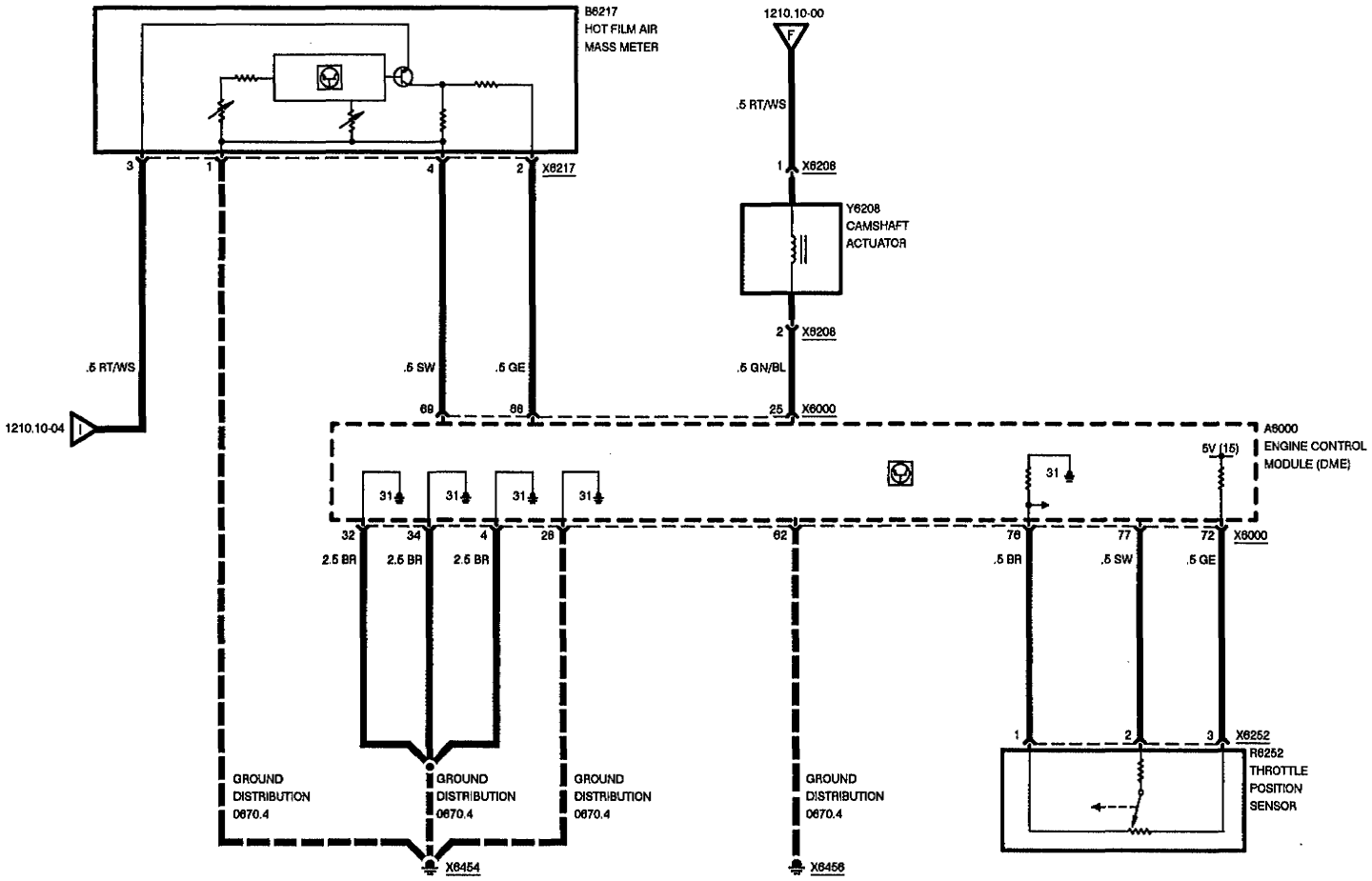


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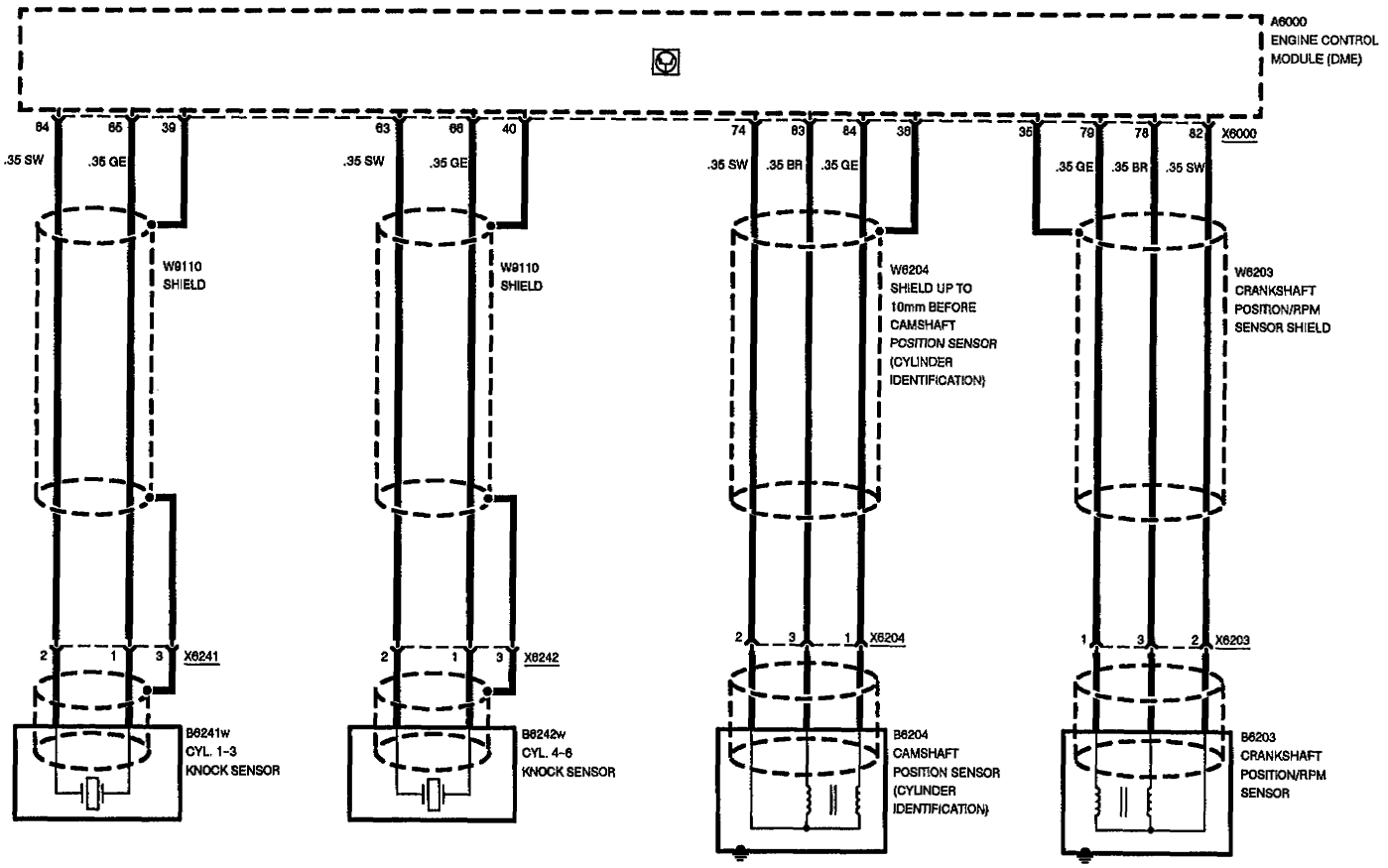


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ENGINE CONTROL SYSTEM MS40 (6-CYLINDER M50)



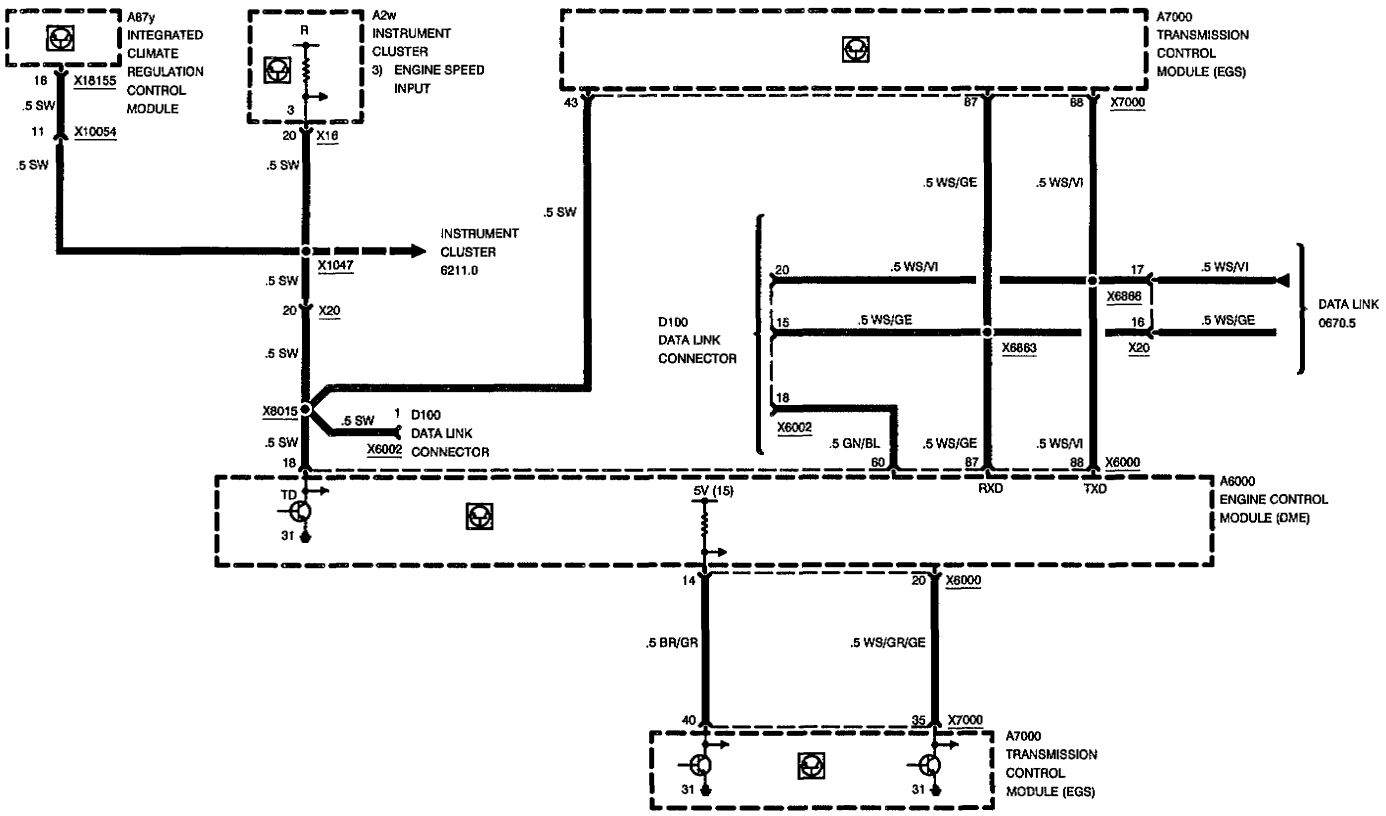
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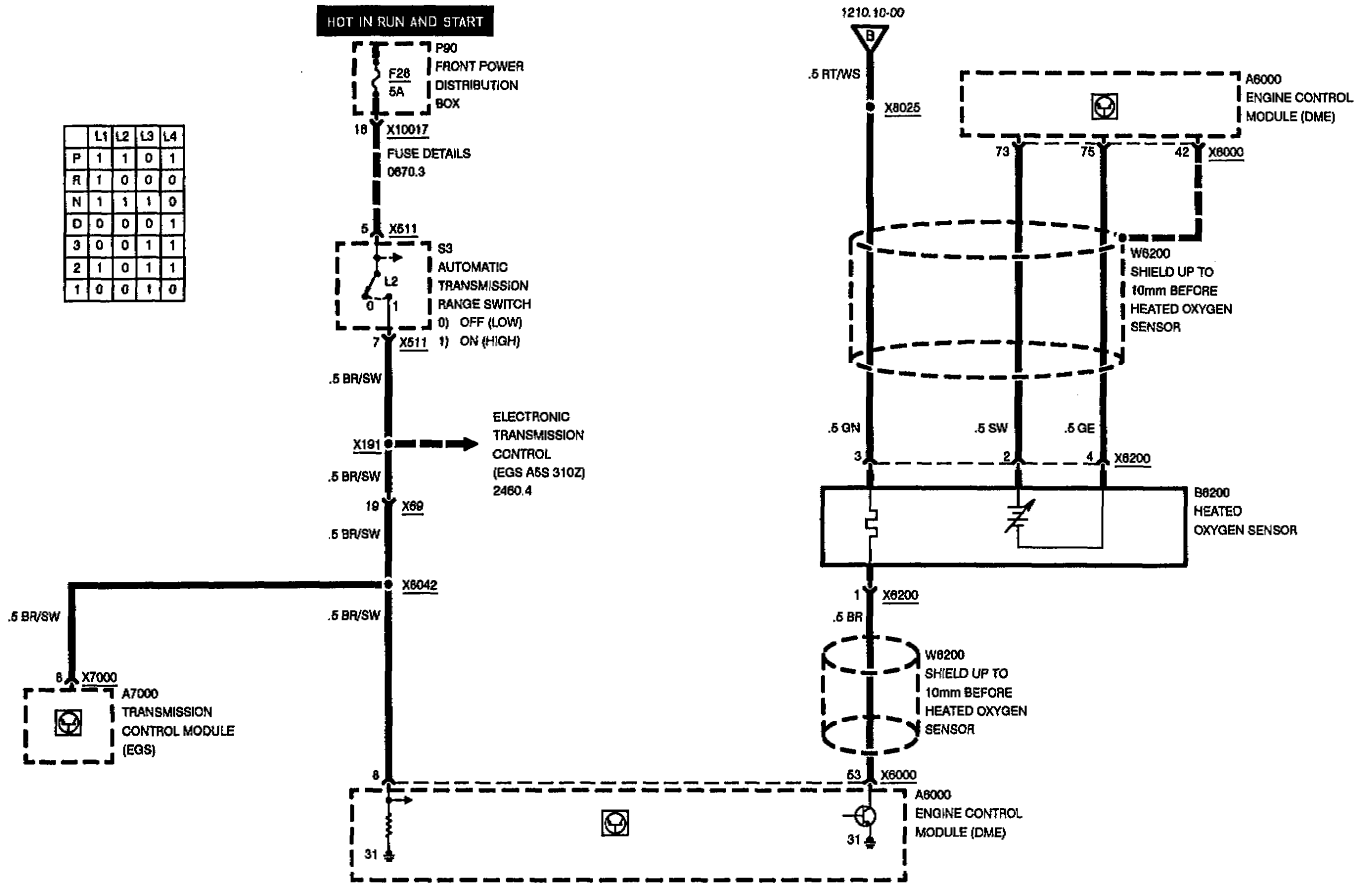
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ENGINE CONTROL SYSTEM MS40 (6–CYLINDER M50)

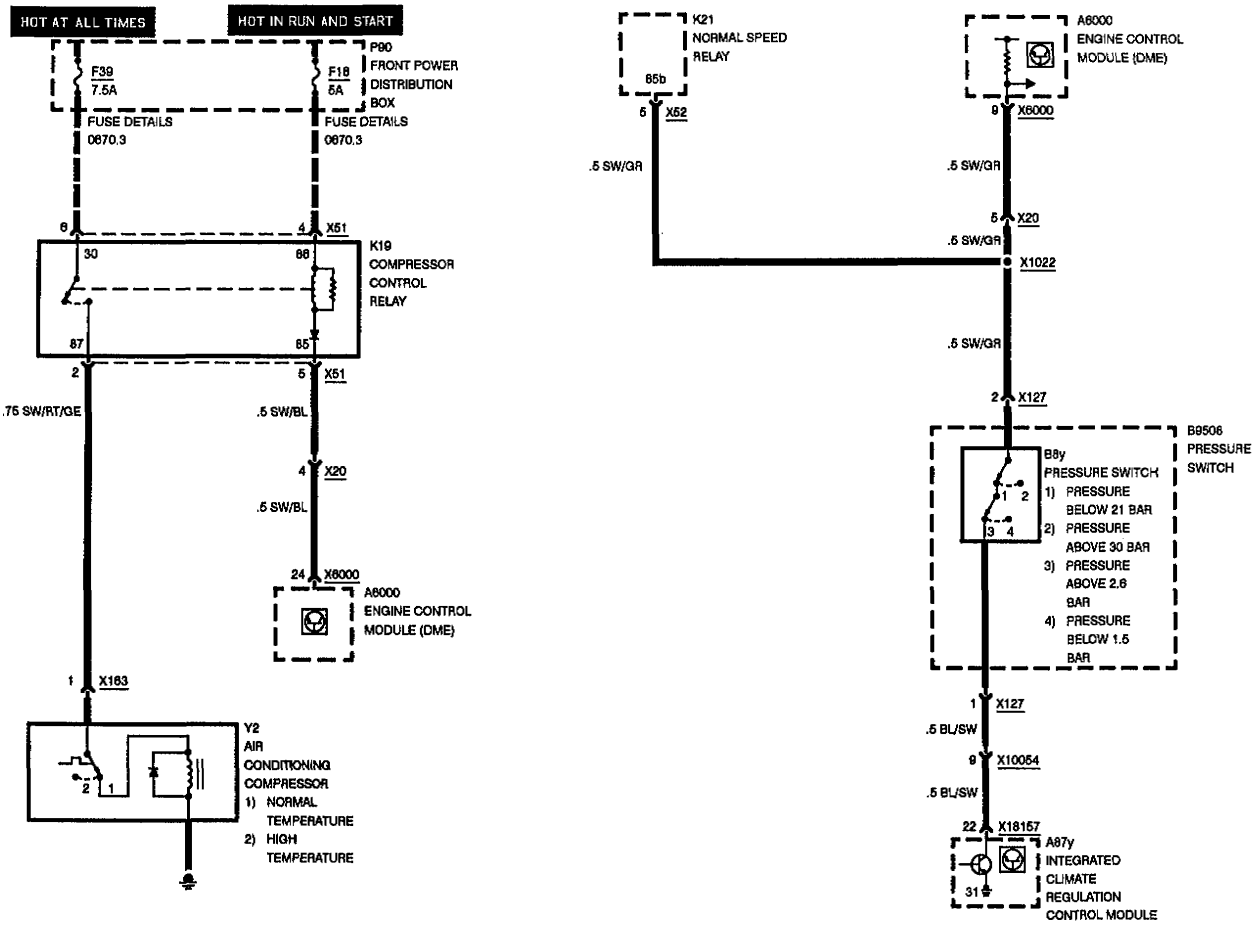
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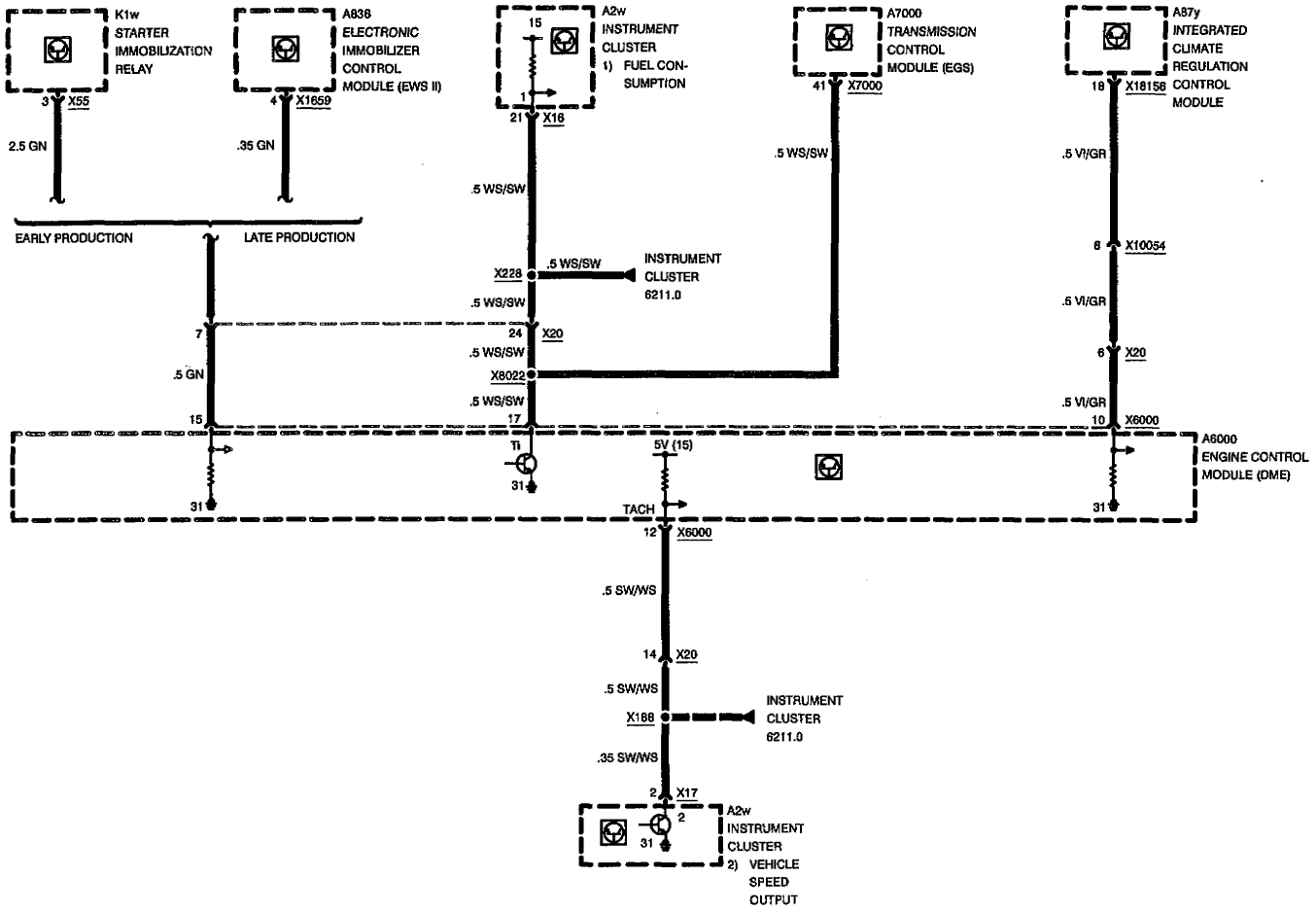
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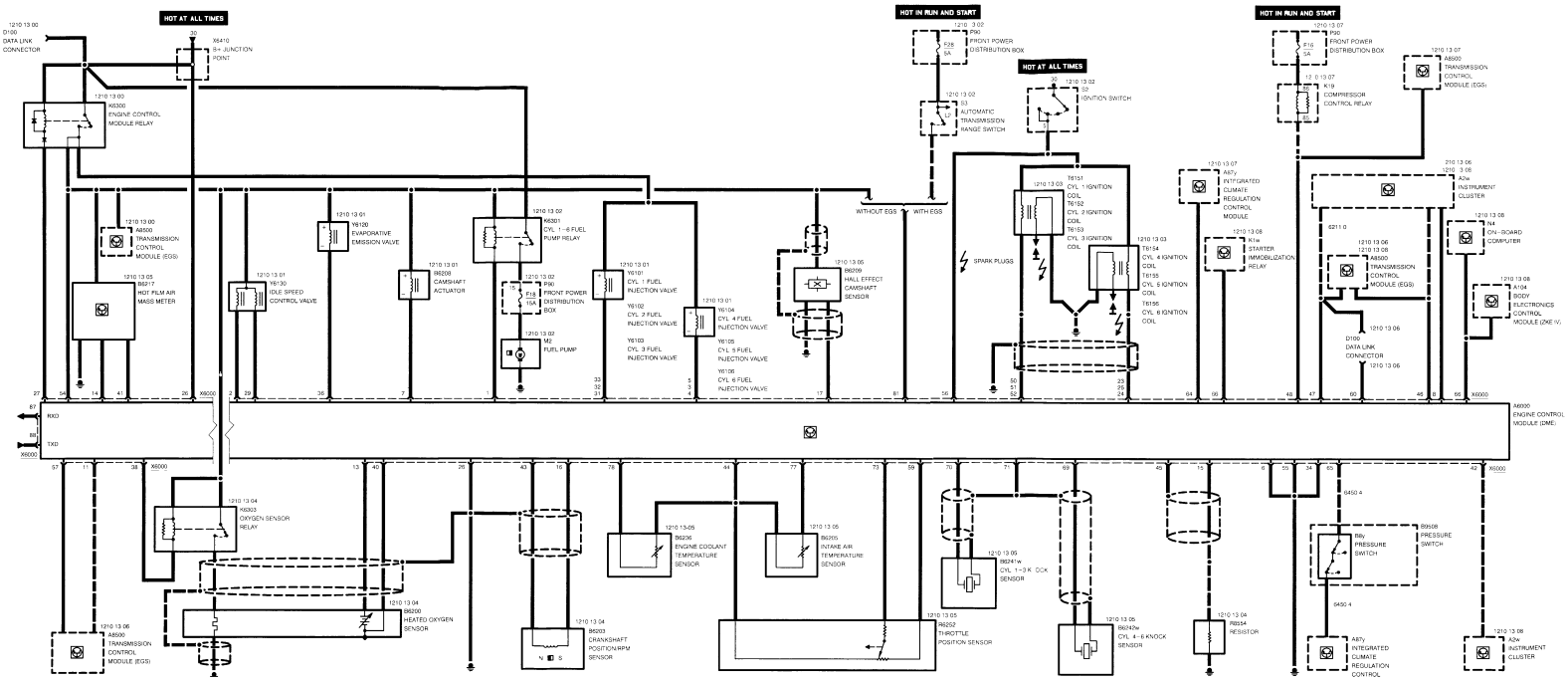
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ENGINE CONTROL SYSTEM MS40 (6–CYLINDER M50)

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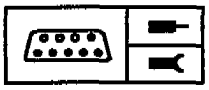
Pin Assignments

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 wire air mass meter	Hot wire 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

E = Input, A = Output, M = Ground

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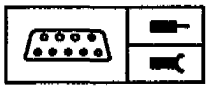


Pin Assignments

Pin	Type	Description/Function	Connection
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
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	Compresor 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)

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Pin Assignments

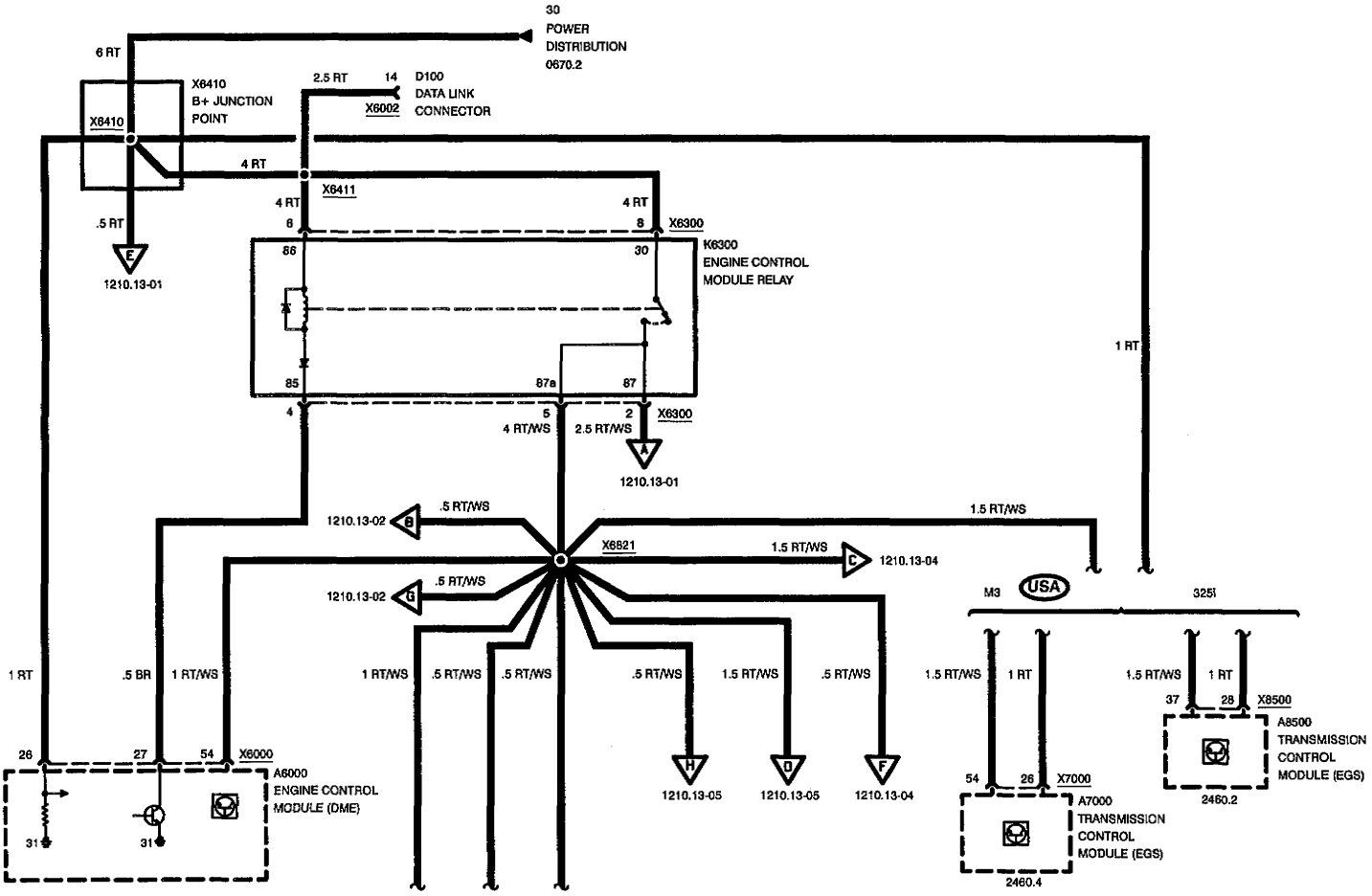
Pin	Type	Description/Function	Connection
58		Not used	
59	A	5V component supply	Throttle position sensor
60	E	Programming voltage	Data link connector
61		Not used	
62		Not used	
63		Not used	
64	E	A/C switch	Integrated climate regulation control module
65	E	A/C pressure signal	Pressure switch
66	E	Drive-away protection signal (code)	Starter interlock module
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	E	RxD diagnosis data line	Data link connector
88	E/A	TxD diagnosis data line	Data link connector

E = Input, A = Output, M = Ground

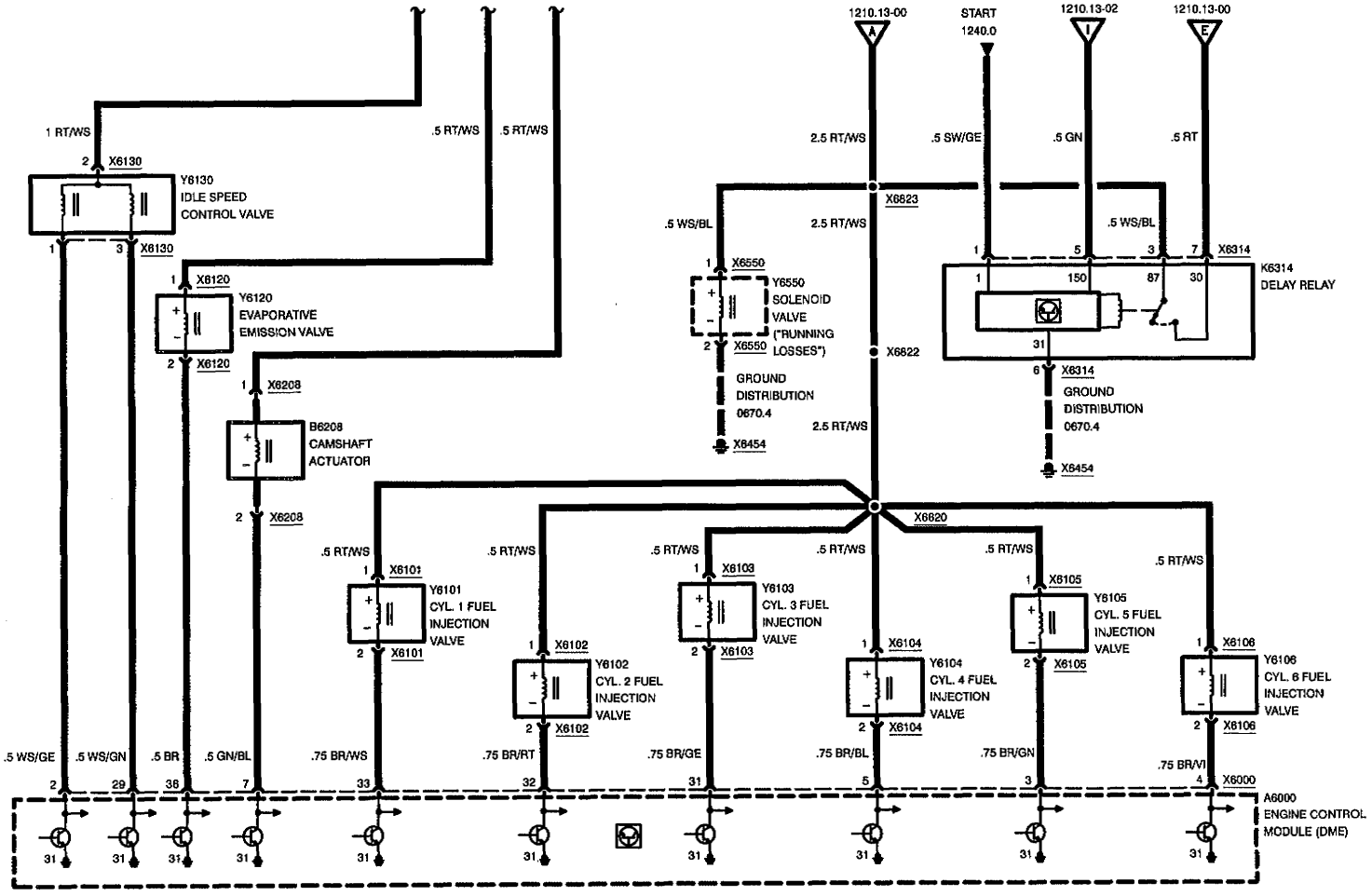
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6–CYLINDER M50)

POWER, FUEL INJECTION VALVES



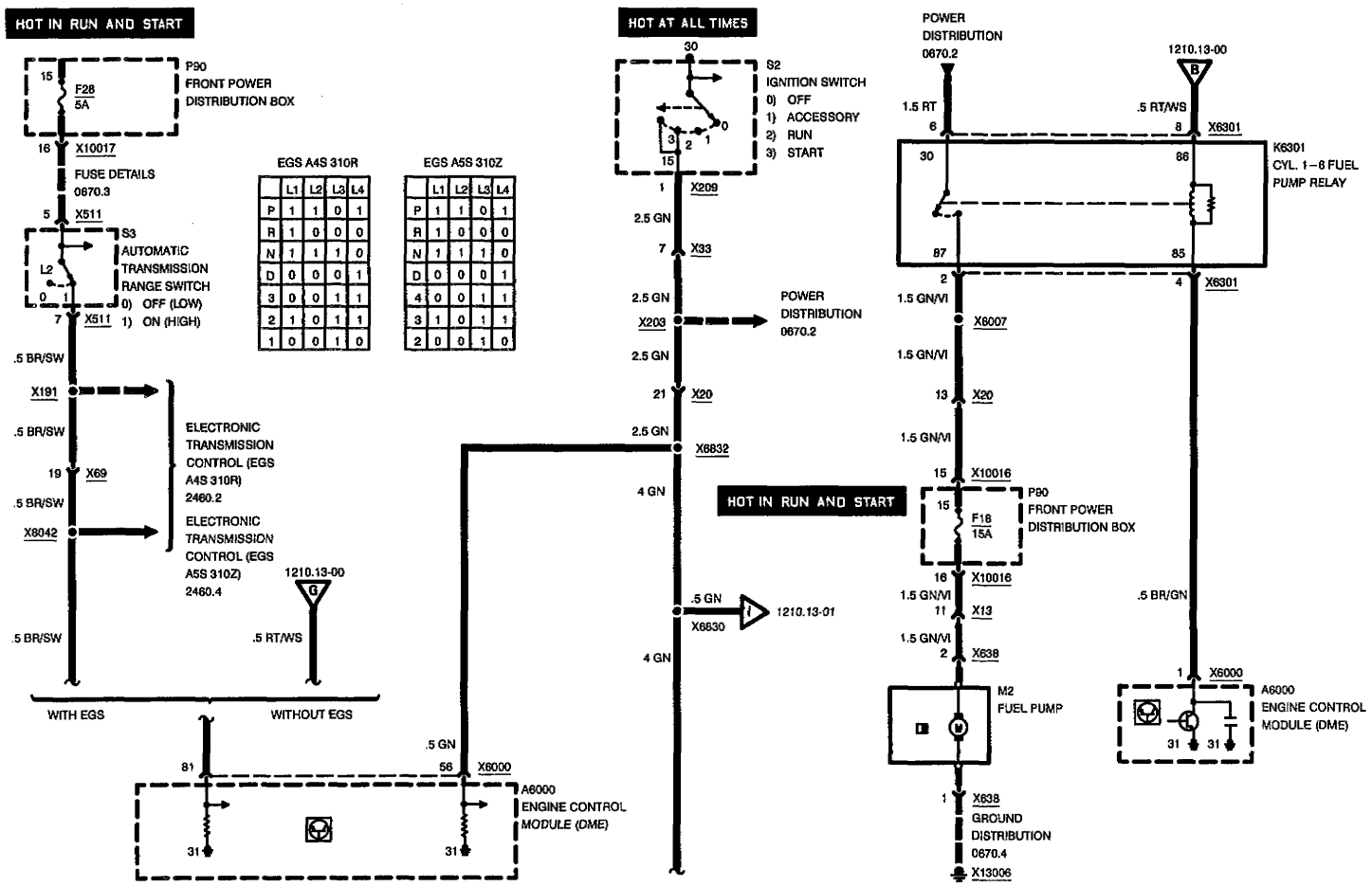
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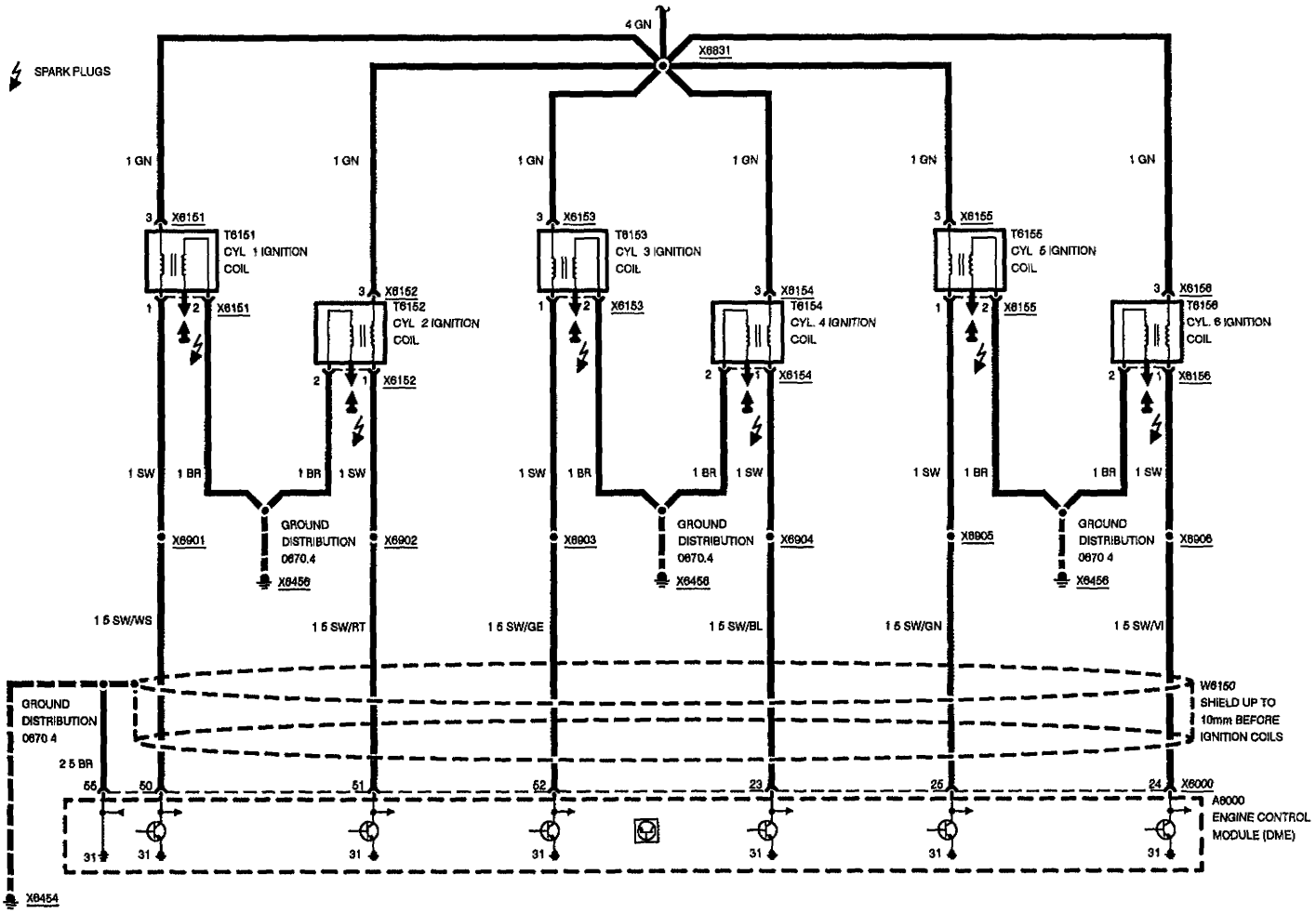
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6–CYLINDER M50)

FUEL PUMP, IGNITION COILS



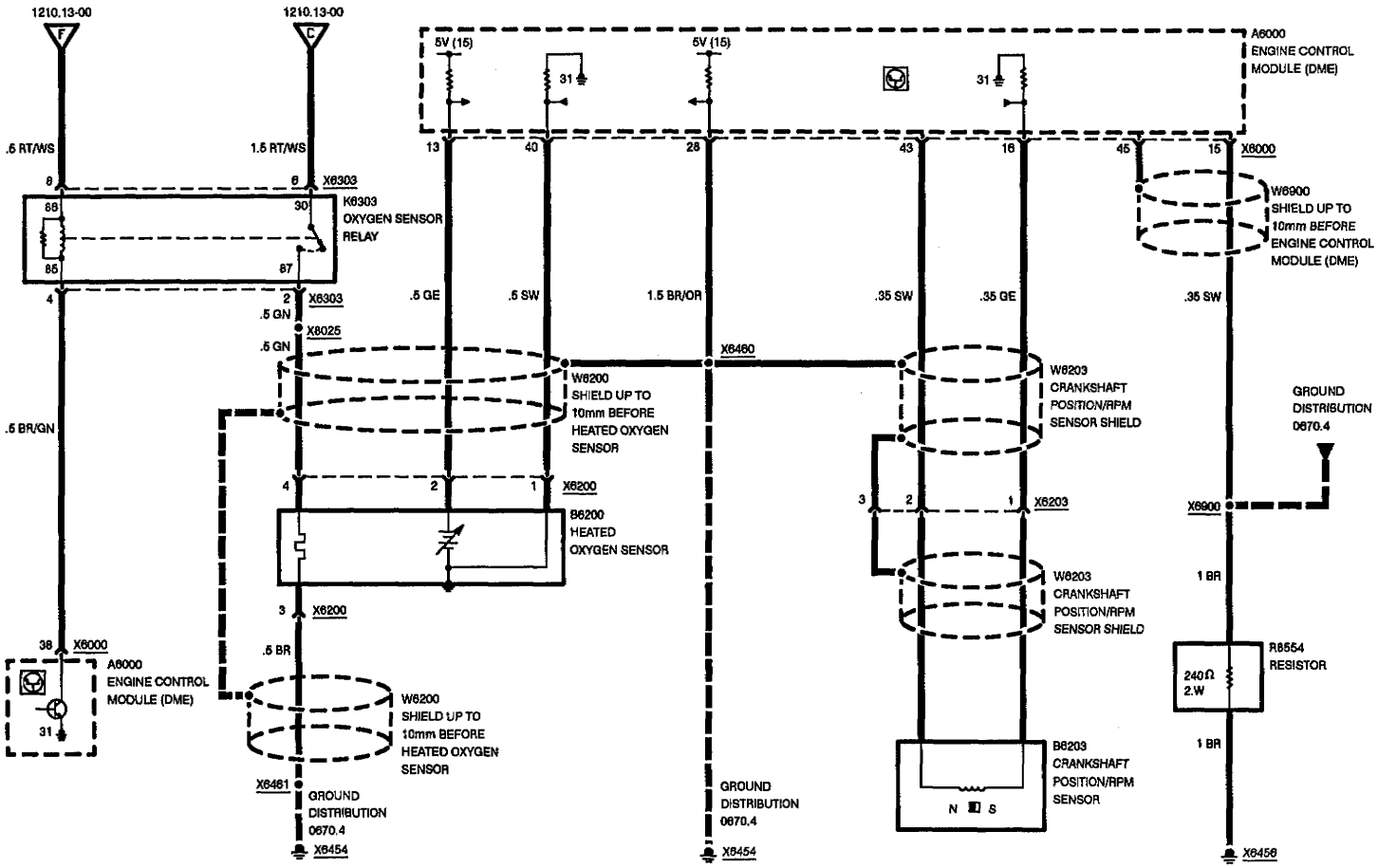
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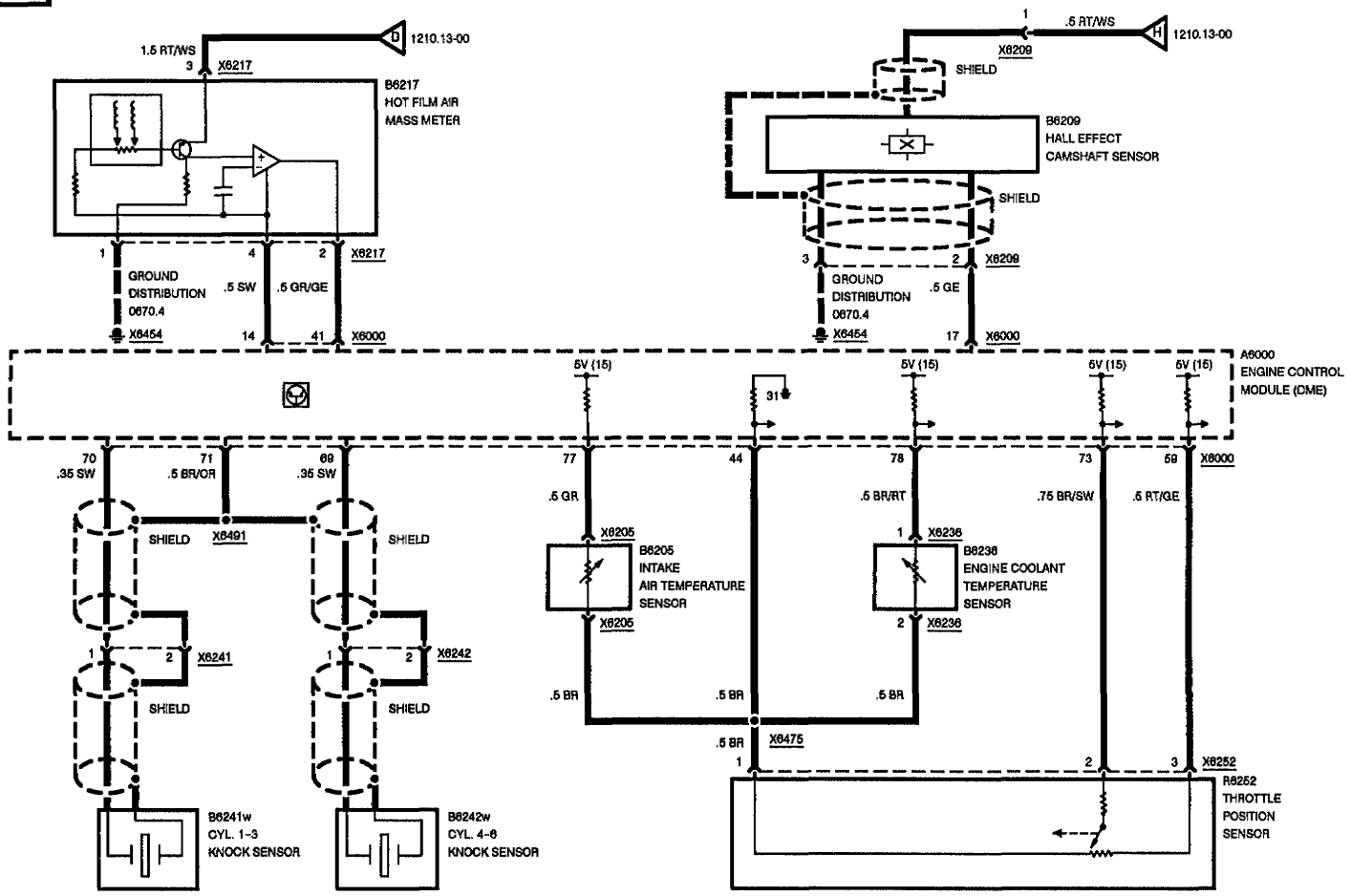
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

HEATED OXYGEN SENSOR, CRANKSHAFT SENSORS



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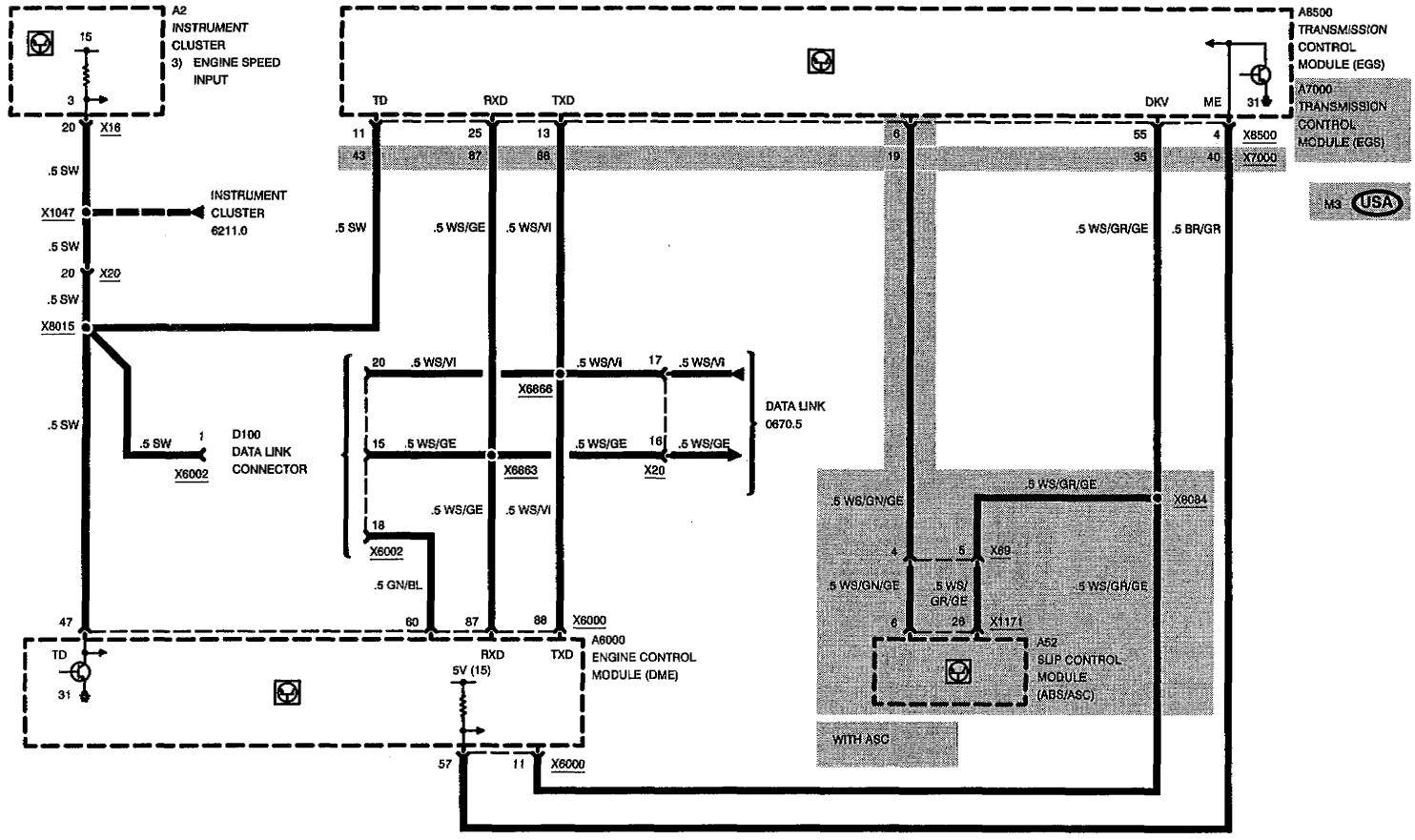
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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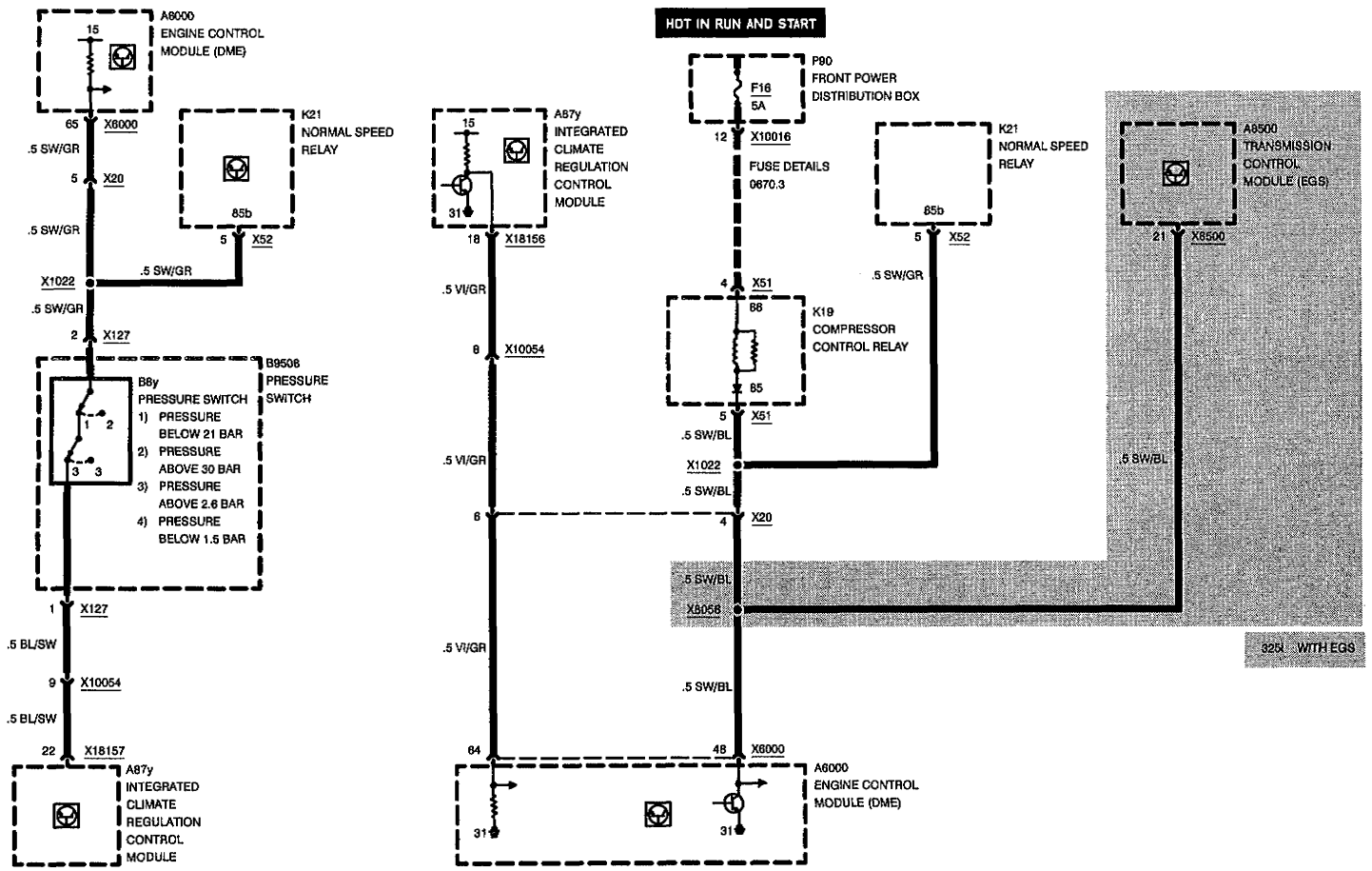
ENGINE CONTROL SYSTEM (DME M3.3.1, 6–CYLINDER M50)

DATA LINK



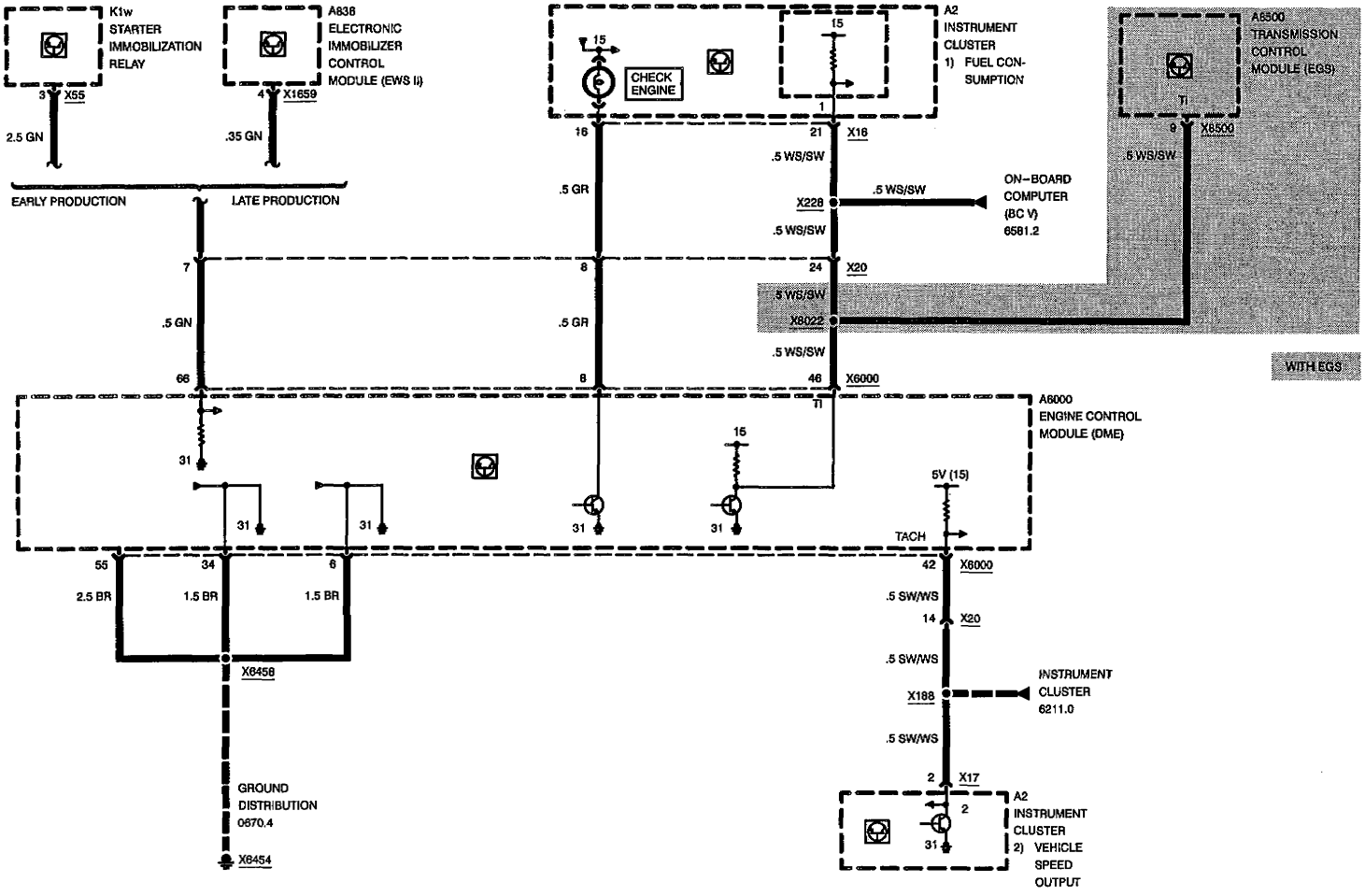
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6–CYLINDER M50)

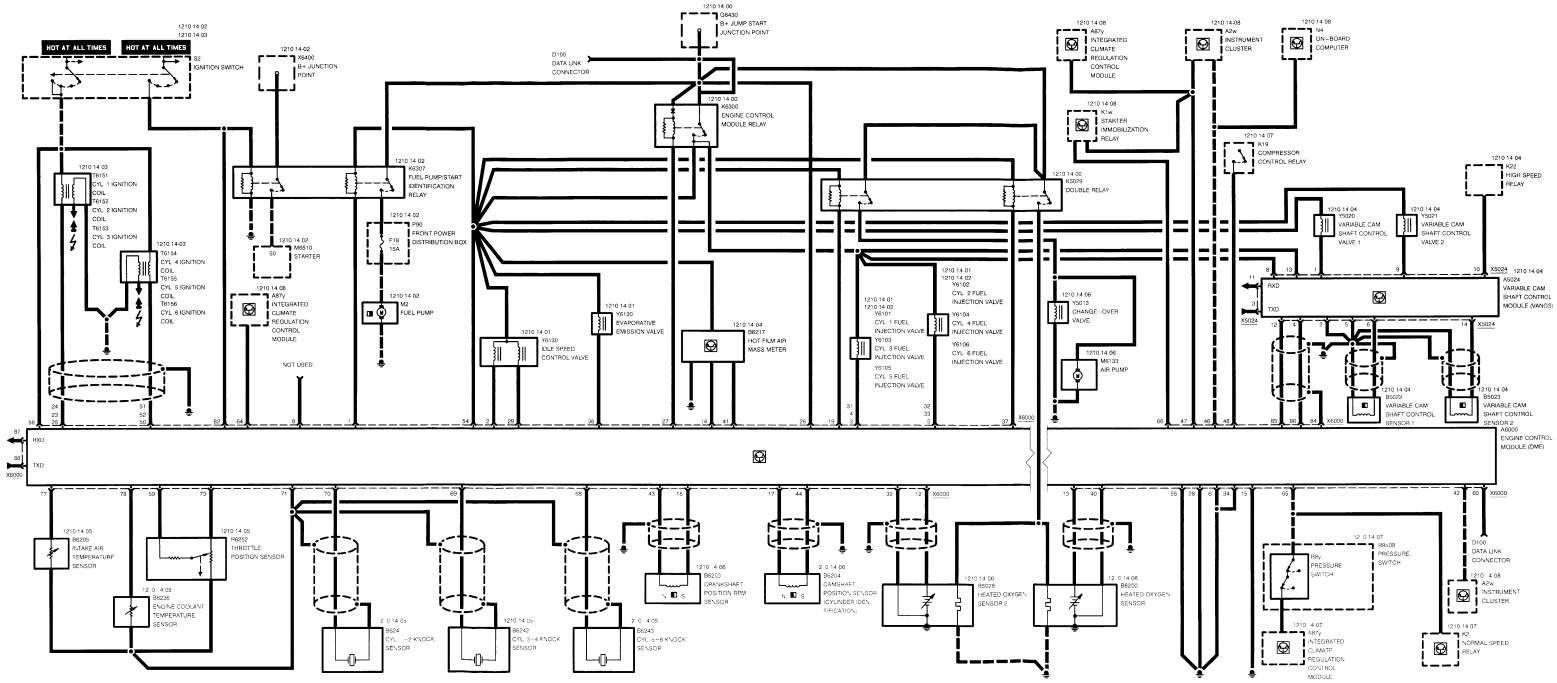


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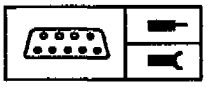
ENGINE CONTROL SYSTEM (DME M3.3.1, 6–CYLINDER M50)



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Pin Assignments

X5024

Pin	Type	Description/Function	Connection
1	A	Valve 1 (delayed setting)	Variable camshaft control valve 1
2	M	Ground	Ground
3	A	RxD diagnostic data link	Data link connector
4	E/A	CAN-High signal	Engine control module (DME)
5	M	Ground	Ground
6	E	Sensor 1 (output NW)	Variable camshaft control sensor 1
7		Not used	
8	E	Battery voltage	DME-relay
9	A	Valve 2 (advanced setting)	Variable camshaft control valve 2
10	E	Fan signal	High speed relay (auxiliary fan)
11	E/A	TxD diagnostic data link	Data link connector
12	E/A	CAN-Low signal	Engine control module (DME)
13	E	Battery voltage	DME-relay
14	E	Sensor 2 (input NW)	Variable camshaft control sensor 2
15		Not used	

X6000

Pin	Type	Description/Function	Connection
1	A	Fuel pump relay control	Fuel pump relay
2	A	Close winding control	Idle speed control valve
3	A	Cyl. 1 fuel injection valve control	Cyl. 1 fuel injection valve
4	A	Cyl. 3 fuel injection valve control	Cyl. 3 fuel injection valve
5	A	Cyl. 2 fuel injection valve control	Cyl. 2 fuel injection valve
6	M	Ground, full injection output stages	Ground
7		Not used	
8	A	"Check engine" indicator control	Instrument cluster
9		Not used	
10		Not used	
11		Not used	

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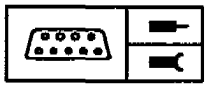


Pin Assignments

Pin	Type	Description/Function	Connection
12	E	Oxygen sensor II signal	Heated oxygen sensor
13	E	Oxygen sensor I signal	Heated oxygen sensor
14	M	Ground, hot film air mass meter	Hot film air mass meter
15	E	Ignition control signal	Ground
16	E	Crankshaft position/RPM sensor signal	Crankshaft position/RPM sensor
17	E	Camshaft position sensor signal	Hall effect camshaft sensor
18		Not used	
19	A	Secondary air pump	Double relay
20		Not used	
21		Not used	
22		Not used	
23	A	Cyl. 2 ignition coil control	Cyl. 2 ignition coil
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	Jump start junction point
27	A	DME relay signal	Engine control module relay
28	M	Ground	Ground
29	A	Opening winding control	Idle speed control valve
30		Not used	
31	A	Cyl. 5 fuel injection valve control	Cyl. 5 fuel injection valve
32	A	Cyl. 6 fuel injection valve control	Cyl. 6 fuel injection valve
33	A	Cyl. 4 fuel injection valve control	Cyl. 4 fuel injection valve
34	M	Ground, output stages	Ground
35		Not used	
36	A	Evaporative emission valve control	Evaporative emission valve
37	A	Oxygen sensor heater control	Double relay
38		Not used	
39	M	Ground, oxygen sensor II	Heated oxygen sensor
40	M	Ground, oxygen sensor I	Heated oxygen sensor
41	E	Air mass meter signal	Hot film air mass meter
42	E	Vehicle speed signal	Instrument cluster
43	M	Ground, crankshaft sensor	Crankshaft position/RPM sensor

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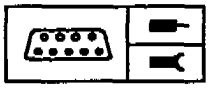


Pin Assignments

Pin	Type	Description/Function	Connection
44	M	Ground, camshaft sensor	Hall effect camshaft sensor
45		Not used	
46	A	Ti - measurement signal (fuel consumption)	Instrument cluster/On Board Computer
47	A	Crankshaft RPM speed signal TD	Instrument cluster
48	E	A/C compressor signal	Compressor control relay
49		Not used	
50	A	Cyl. 4 ignition coil control	Cyl. 4 ignition coil
51	A	Cyl. 6 ignition coil control	Cyl. 6 ignition coil
52	A	Cyl. 5 ignition coil control	Cyl. 5 ignition coil
53		Not used	
54	E	Battery voltage	Engine control module (DME)
55	M	Ground, ignition	Ground
56	E	Voltage, terminal 15	Ignition switch
57		Not used	
58		Not used	
59	A	5V voltage supply	Throttle position sensor
60	E	Programming voltage	Data link connector
61		Not used	
62		Not used	
63		Not used	
64	E	A/C signal	Integrated climate regulation control module
65	E	A/C pressure signal	Pressure switch/Auxiliary VENT I
66	E	Drive away protection signal	Starter interlock module
67		Not used	
68	E	Knock sensor signal	Cyl. 5-6 knock sensor
69	E	Knock sensor signal	Cyl. 3-4 knock sensor
70	E	Knock sensor signal	Cyl. 1-2 knock sensor
71	M	Ground, knock sensors and shields	Knock sensors and shields
72		Not used	
73	E	Throttle position	Throttle position sensor
74		Not used	
75		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
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		Not used	
82	E	Start revolution signal	Ignition switch
83		Not used	
84	M	Shield	Ground
85	E/A	CAN-Low signal	Variable camshaft control module
86	E/A	CAN-High signal	Variable camshaft control module
87	A	RxD diagnostic data link	Data link connector
88	E/A	TxD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground

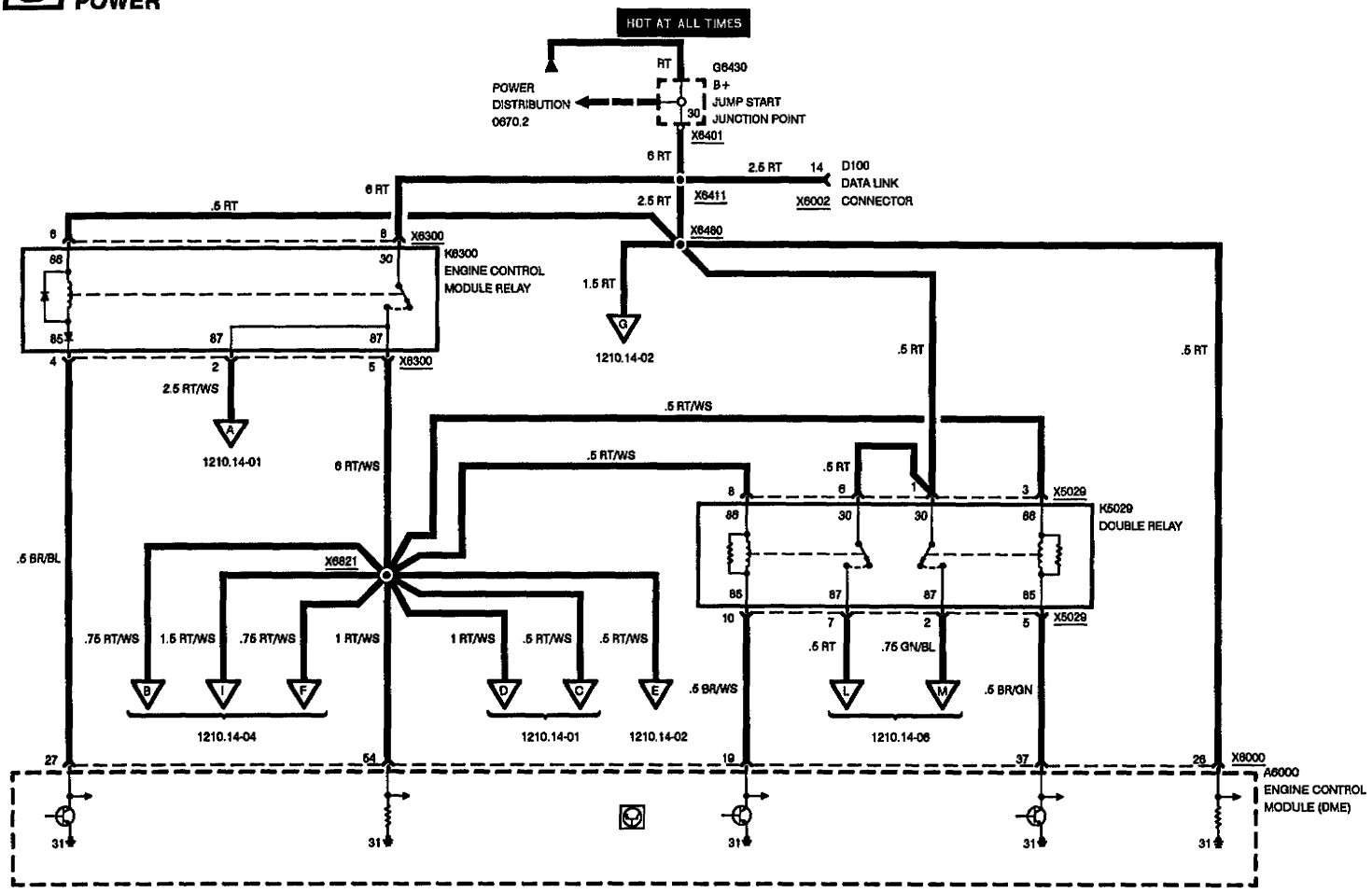
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ENGINE CONTROL SYSTEM (DME M3.3, 6-CYLINDER S50 B30)

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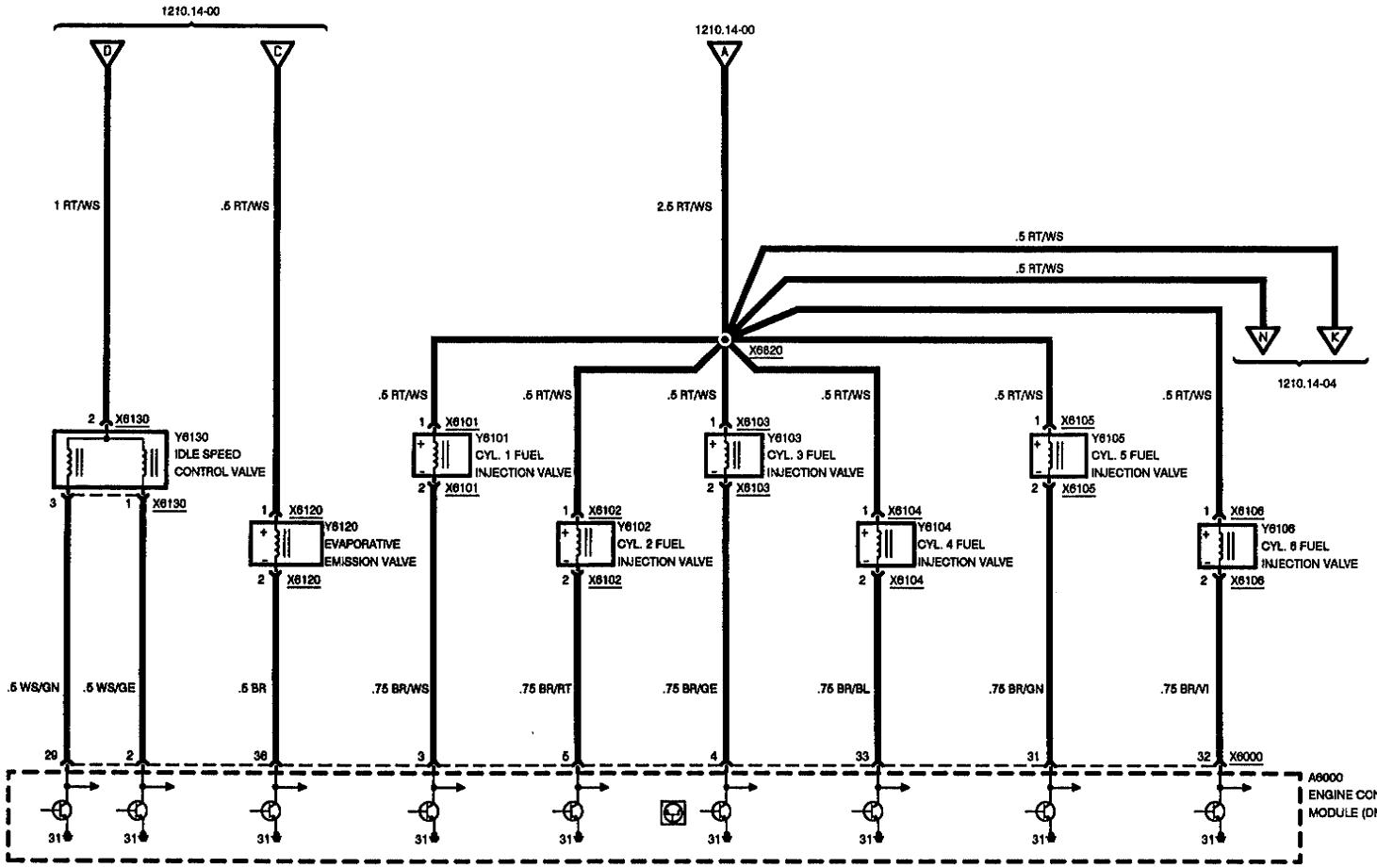
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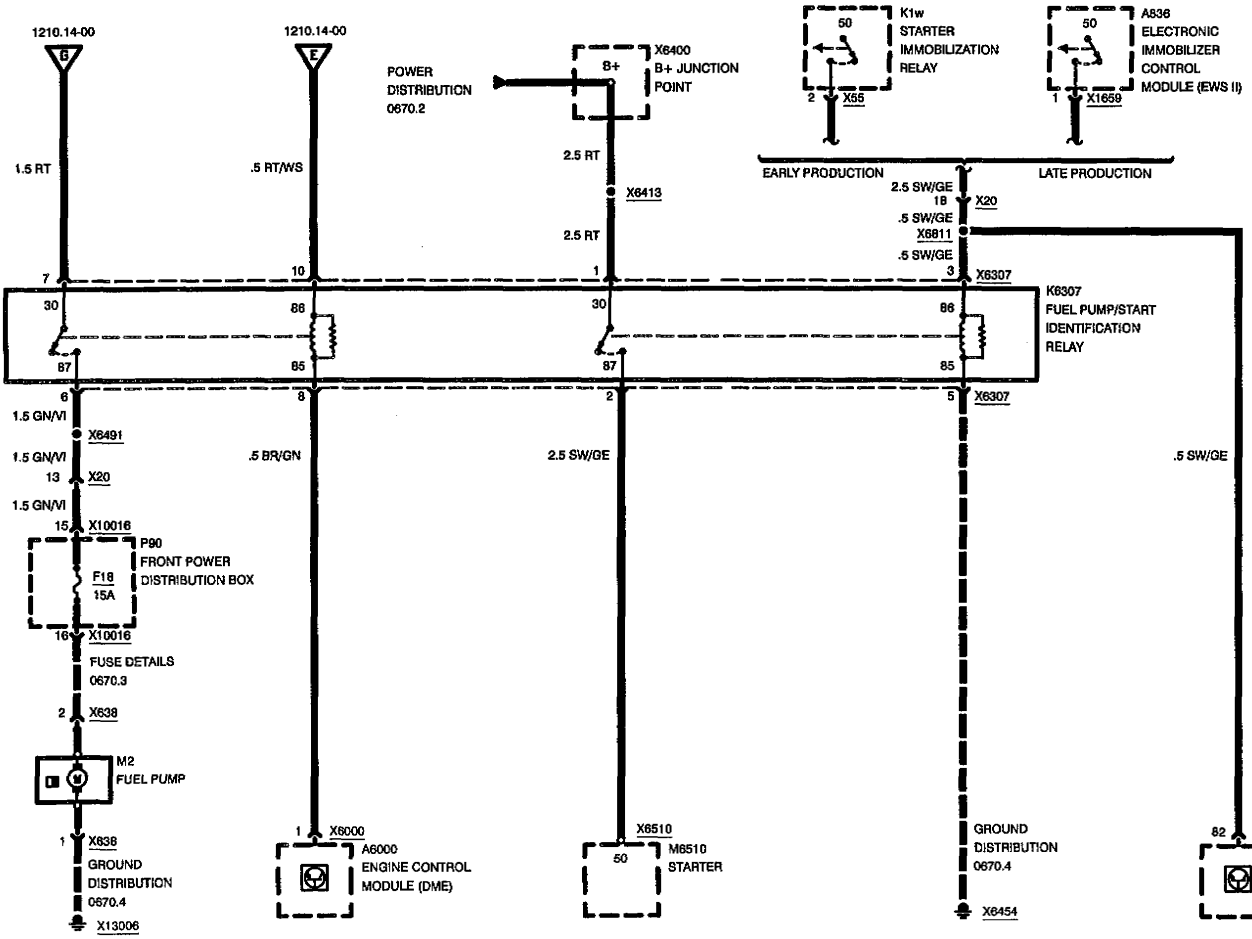
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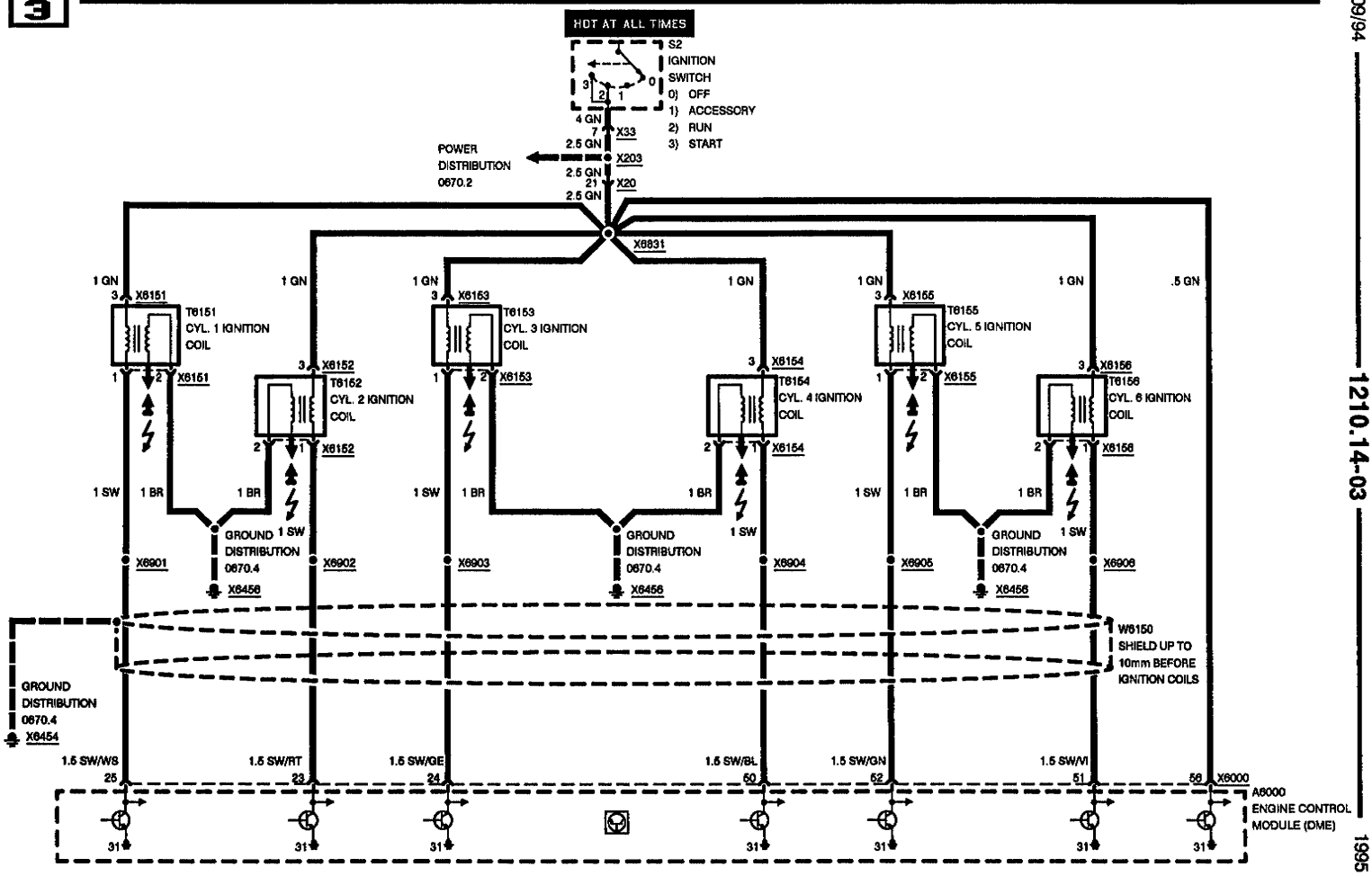
ENGINE CONTROL SYSTEM (DME M3.3, 6–CYLINDER S50 B30)

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POWER



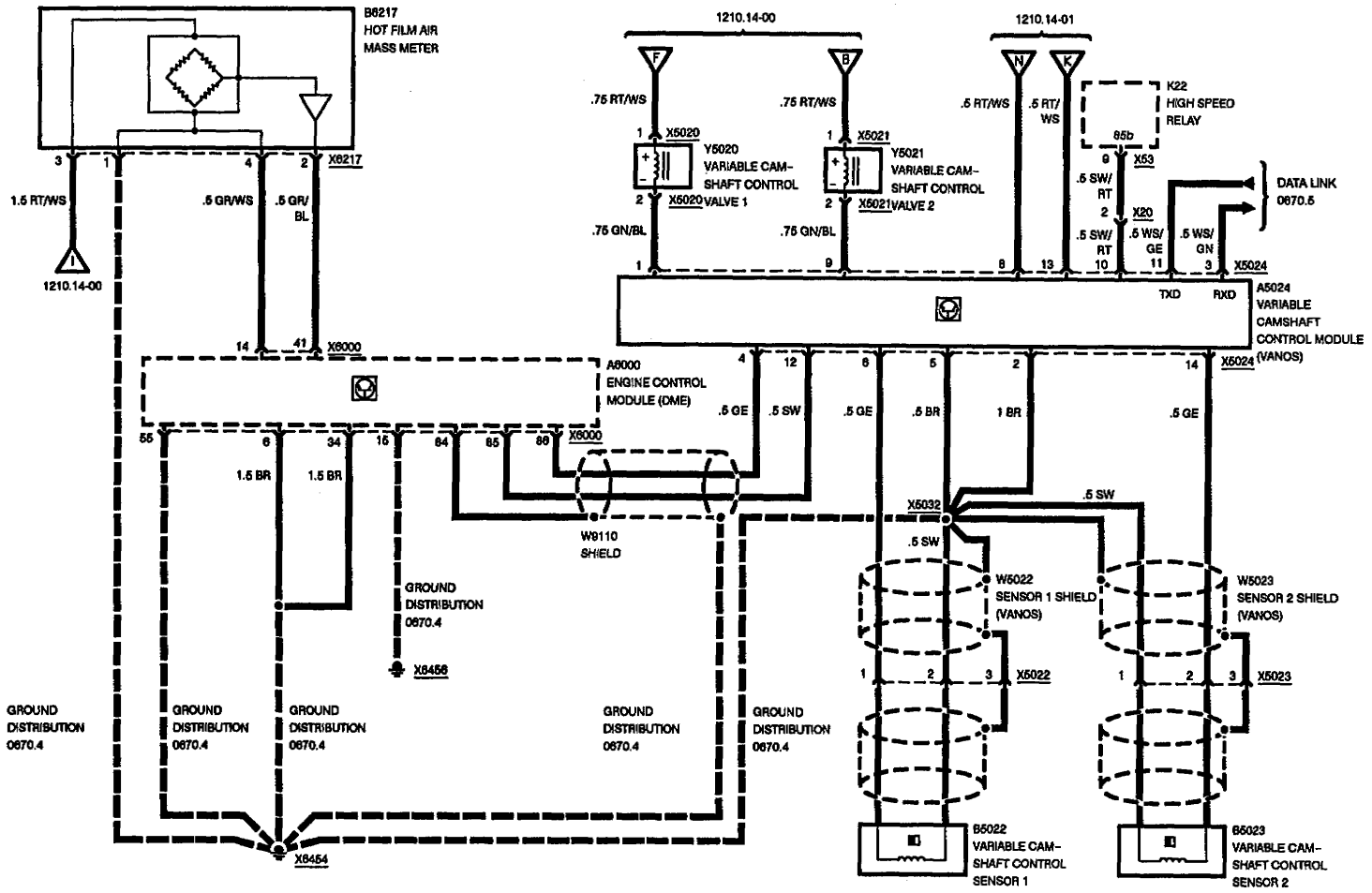
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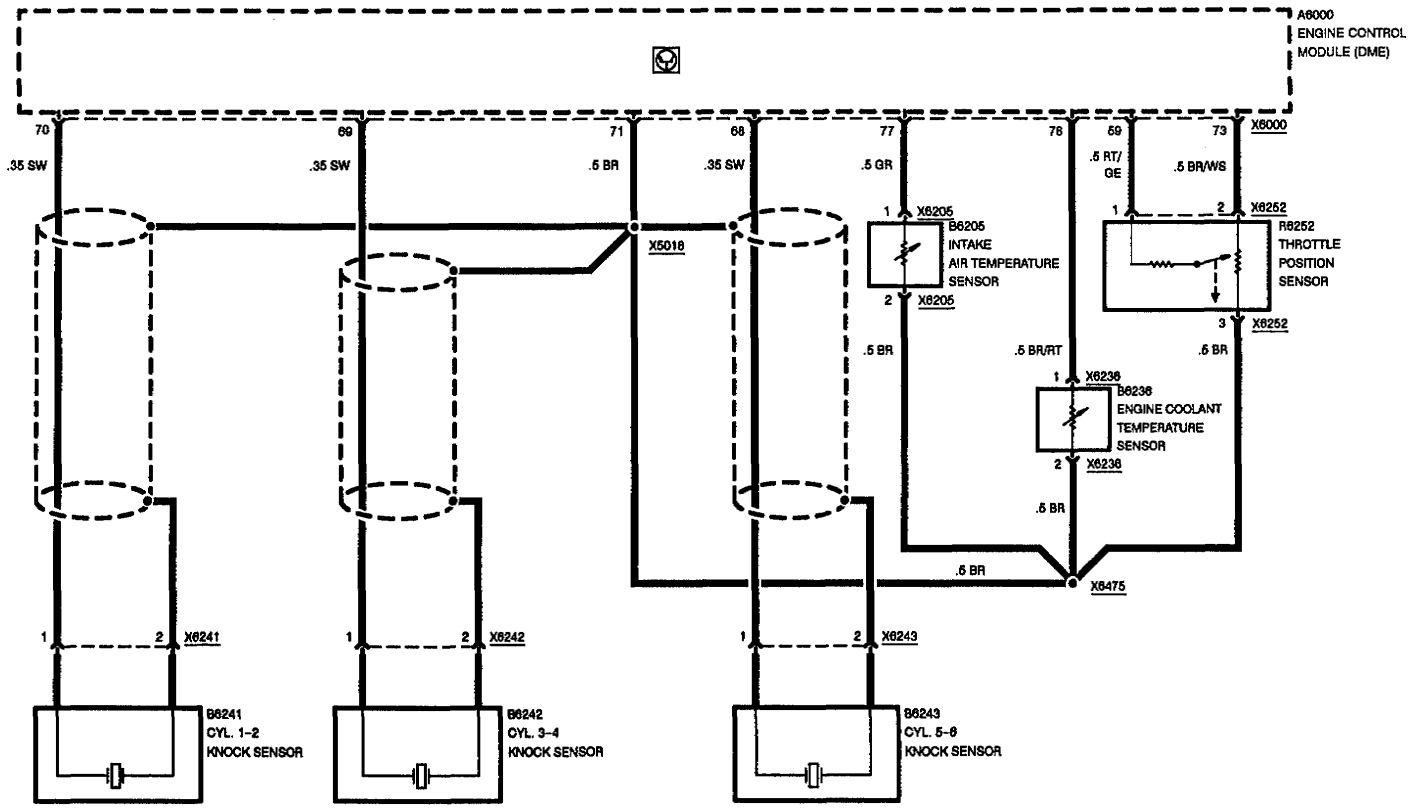
ENGINE CONTROL SYSTEM (DME M3.3, 6-CYLINDER S50 B30)

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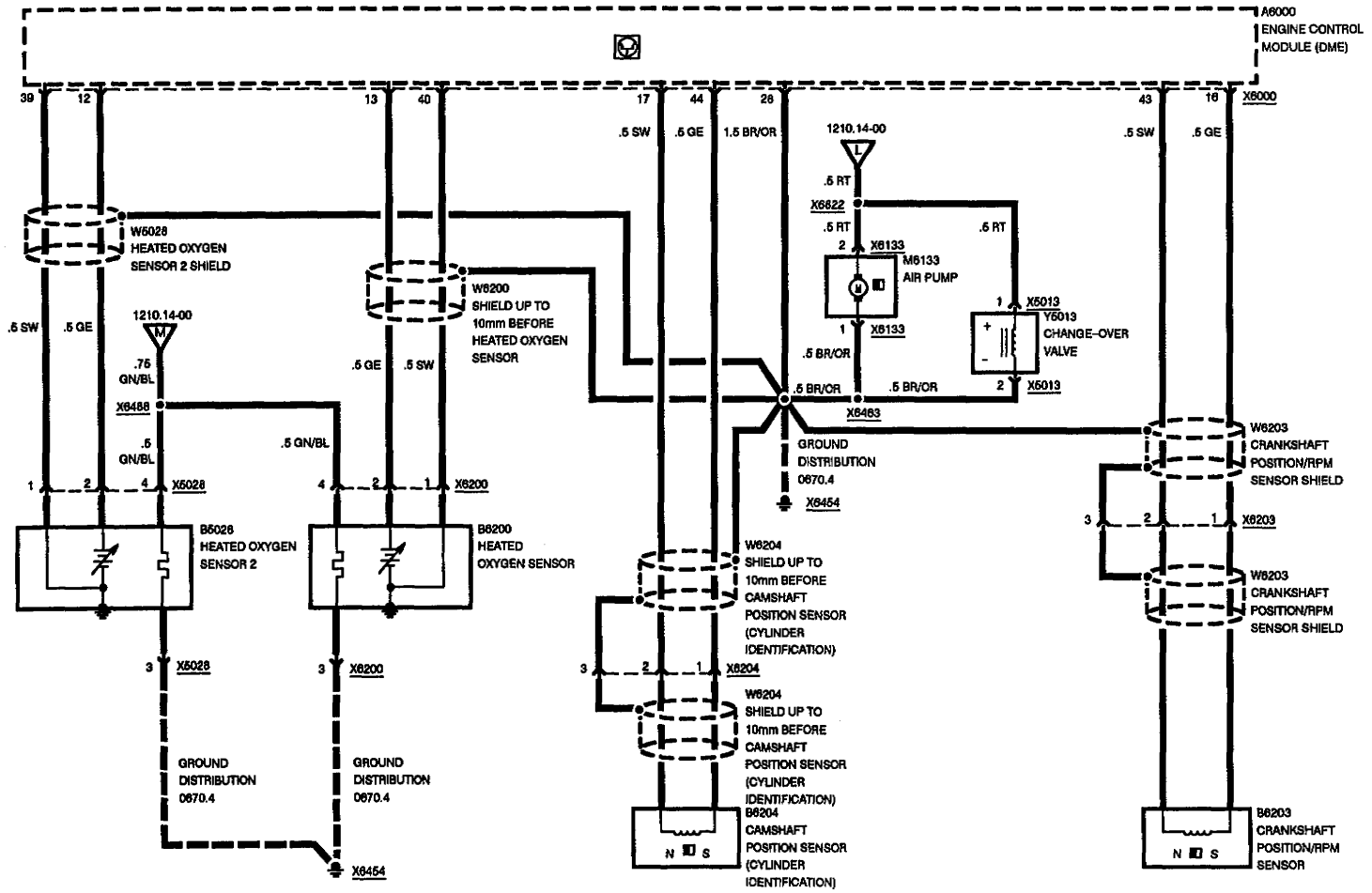
ENGINE CONTROL SYSTEM (DME M3.3, 6-CYLINDER S50 B30)



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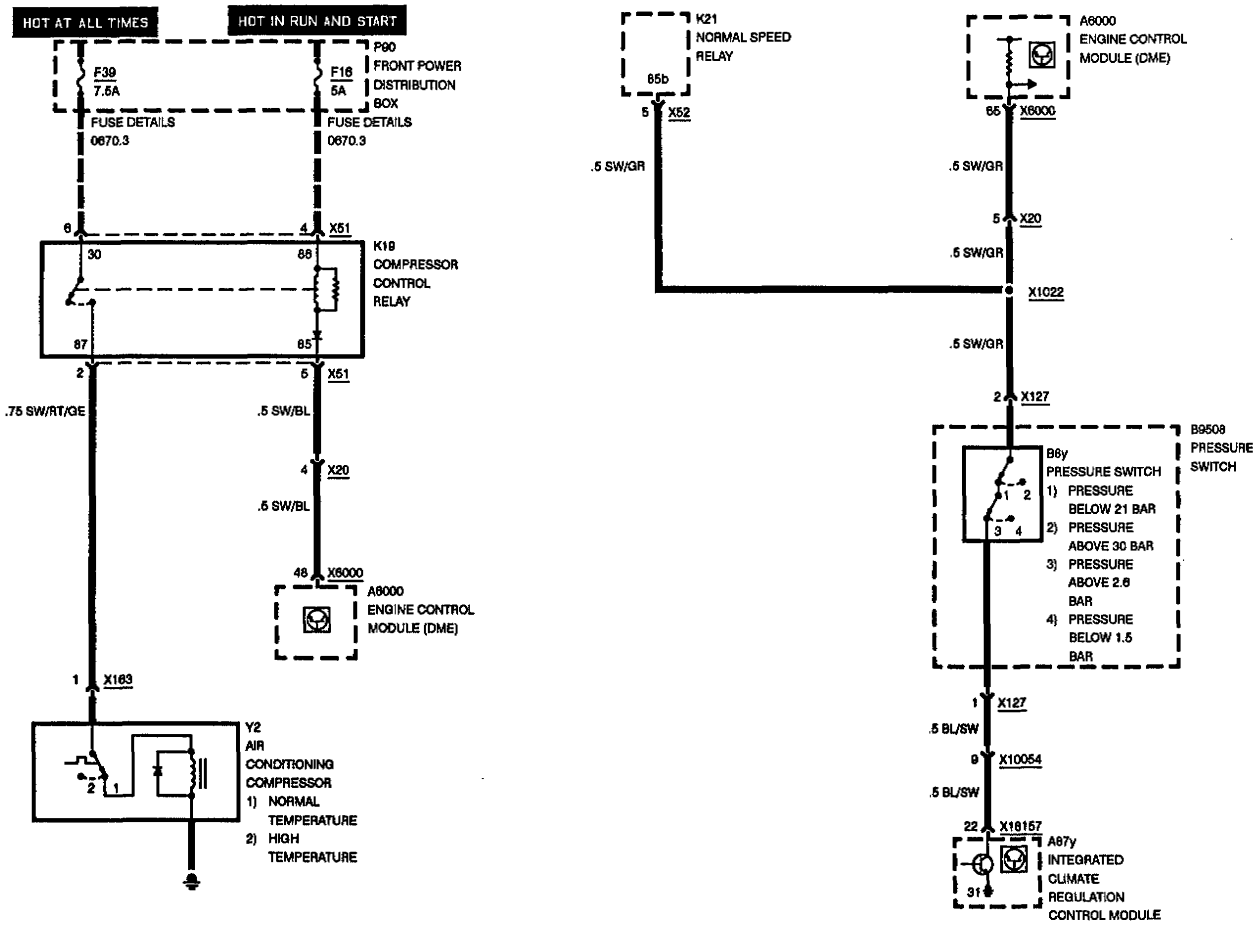
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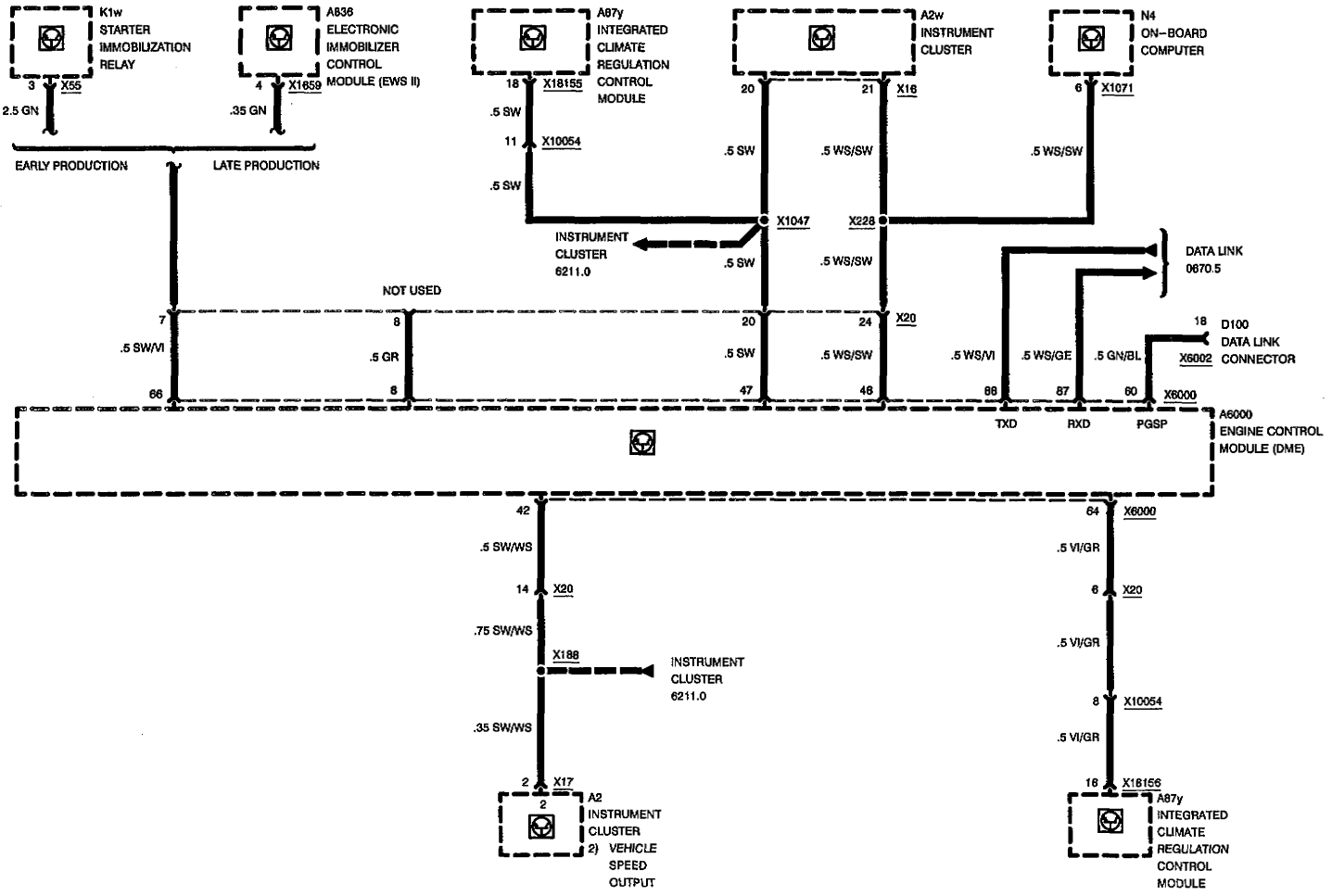
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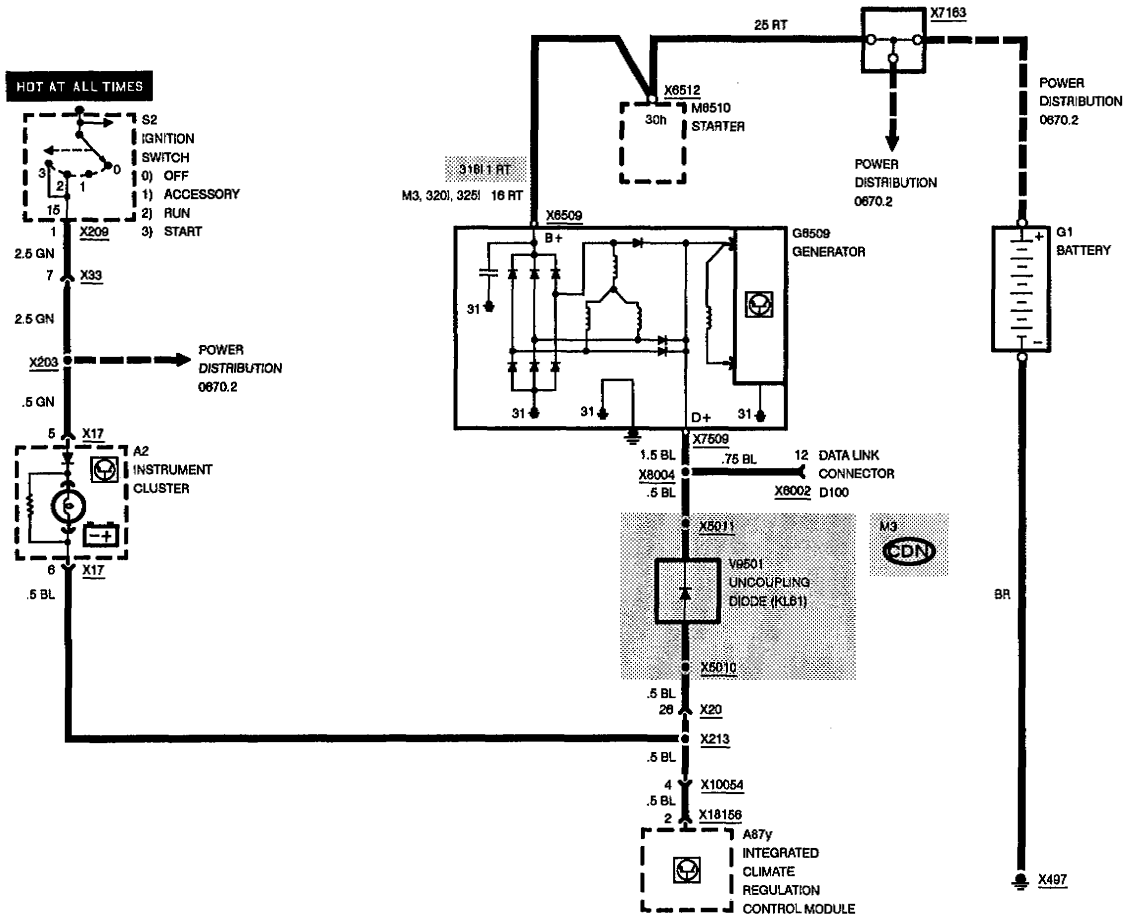
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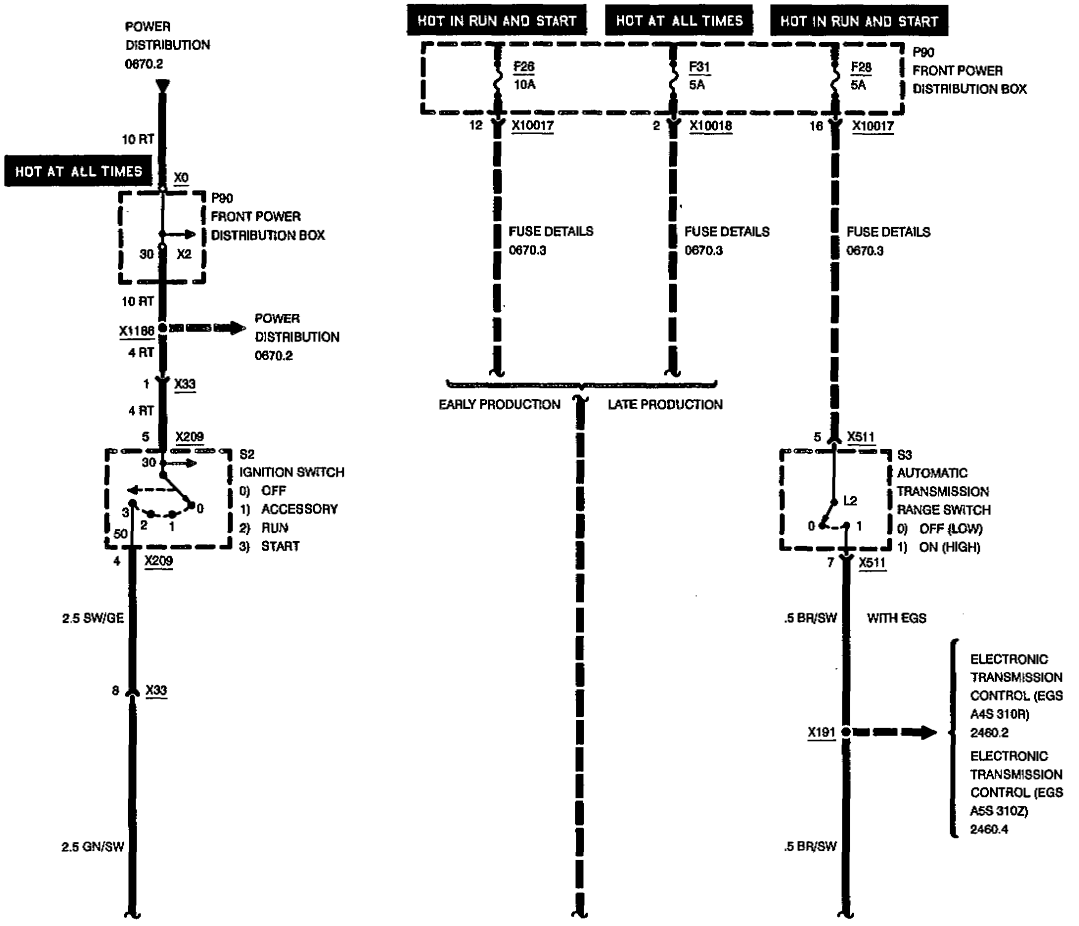
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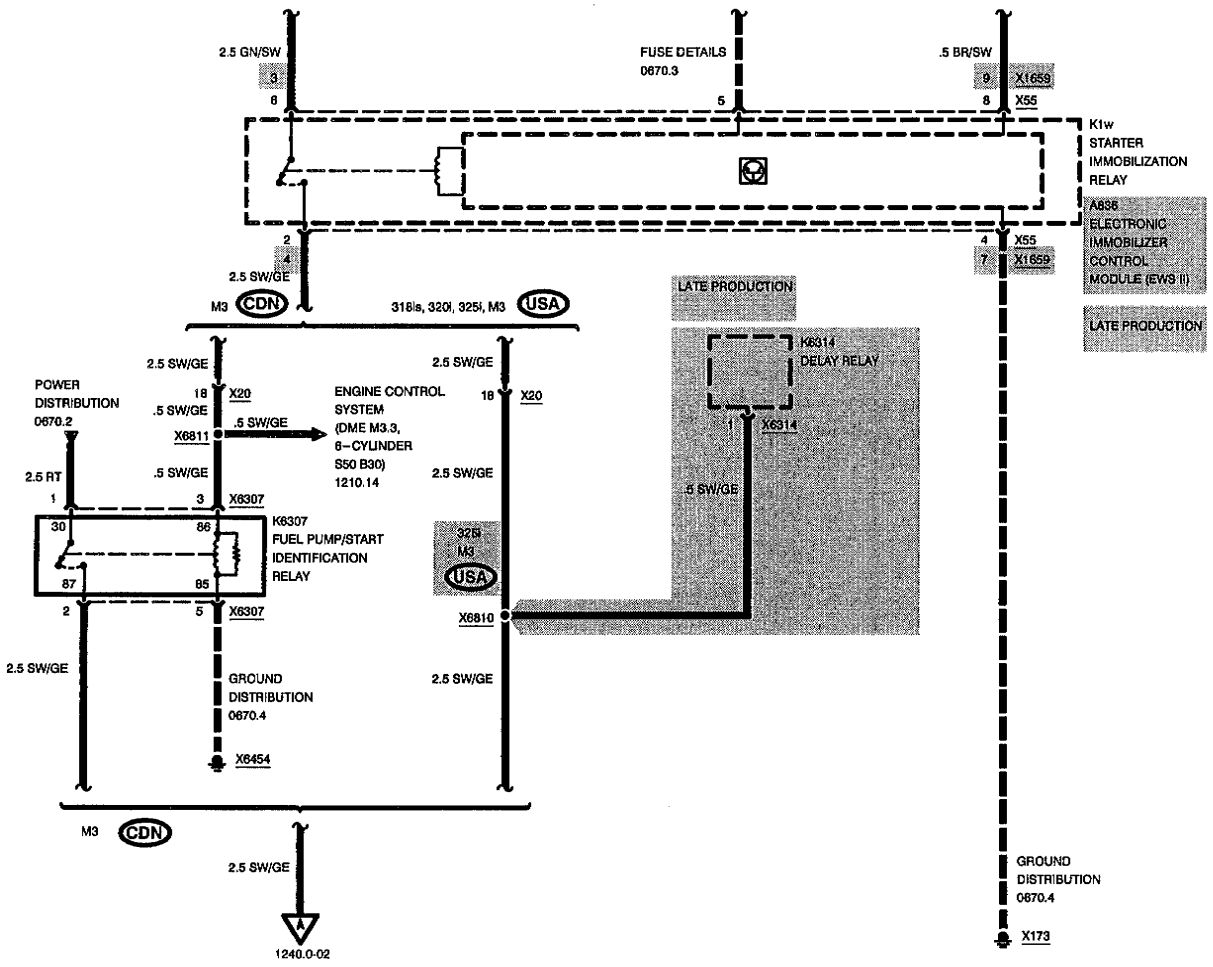
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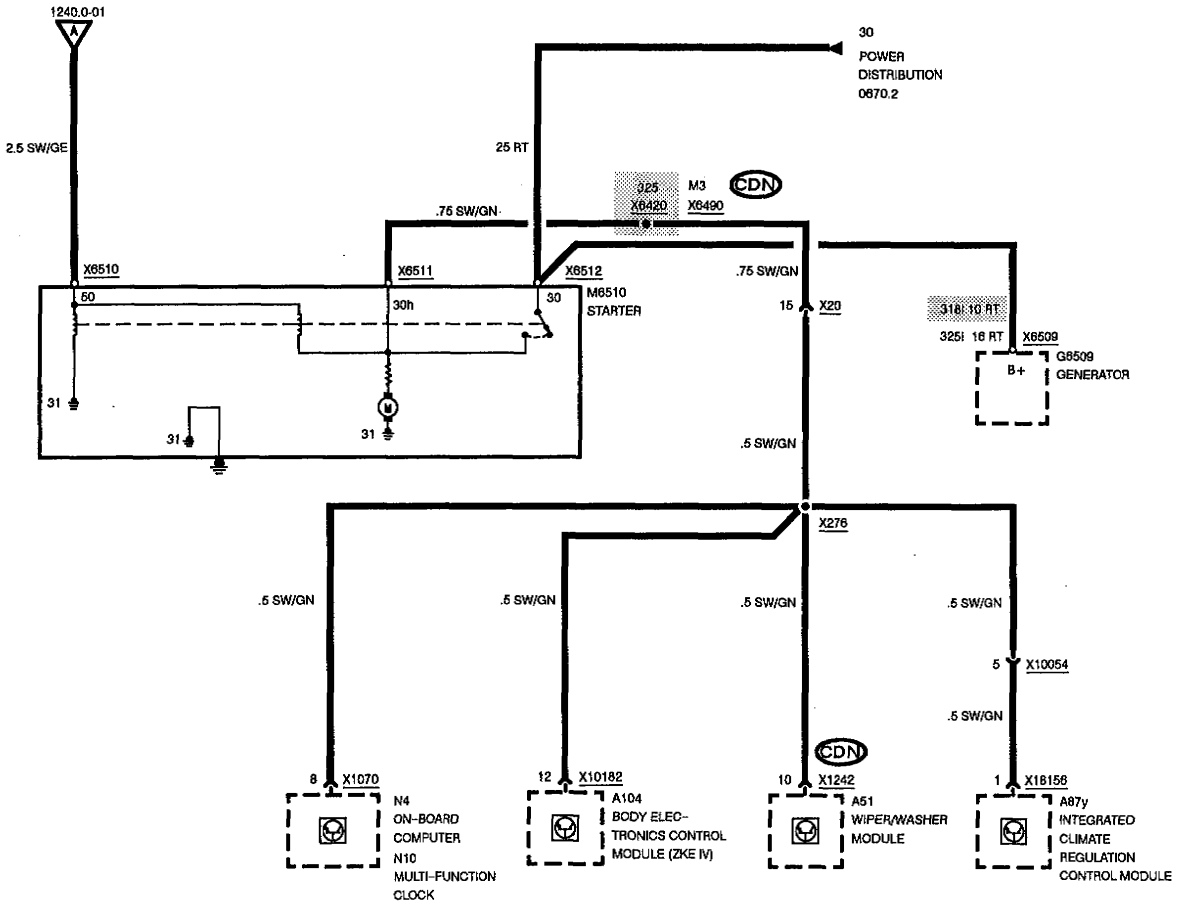


	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
3	0	0	1	1
2	1	0	1	1
1	0	0	1	0

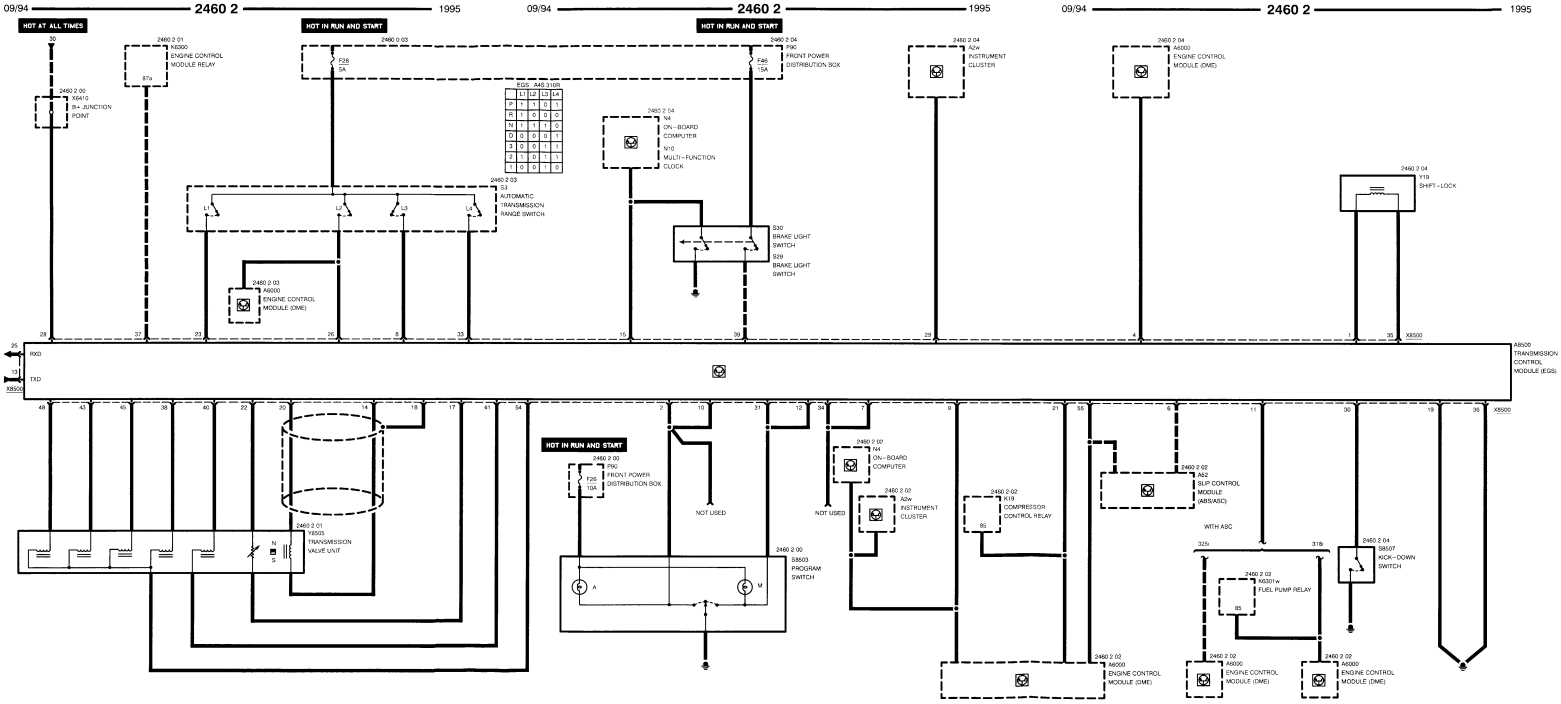
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Pin Assignments

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	E	ASC signal	ABS/ASC control module
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	E	Cyl. 1-6 fuel pump relay control	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

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
31	E	Manual mode signal	Program switch
32		Not used	
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)

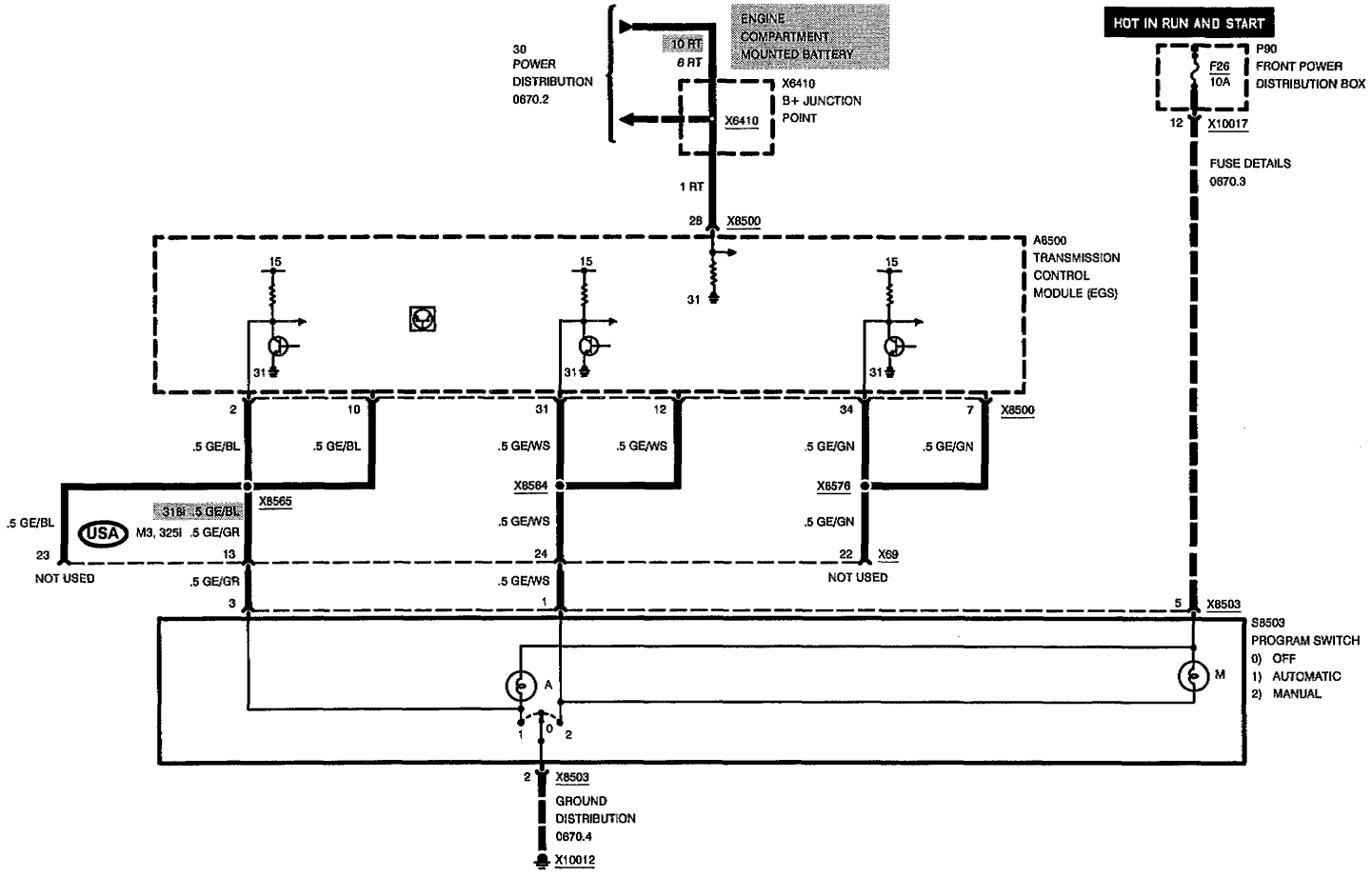
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

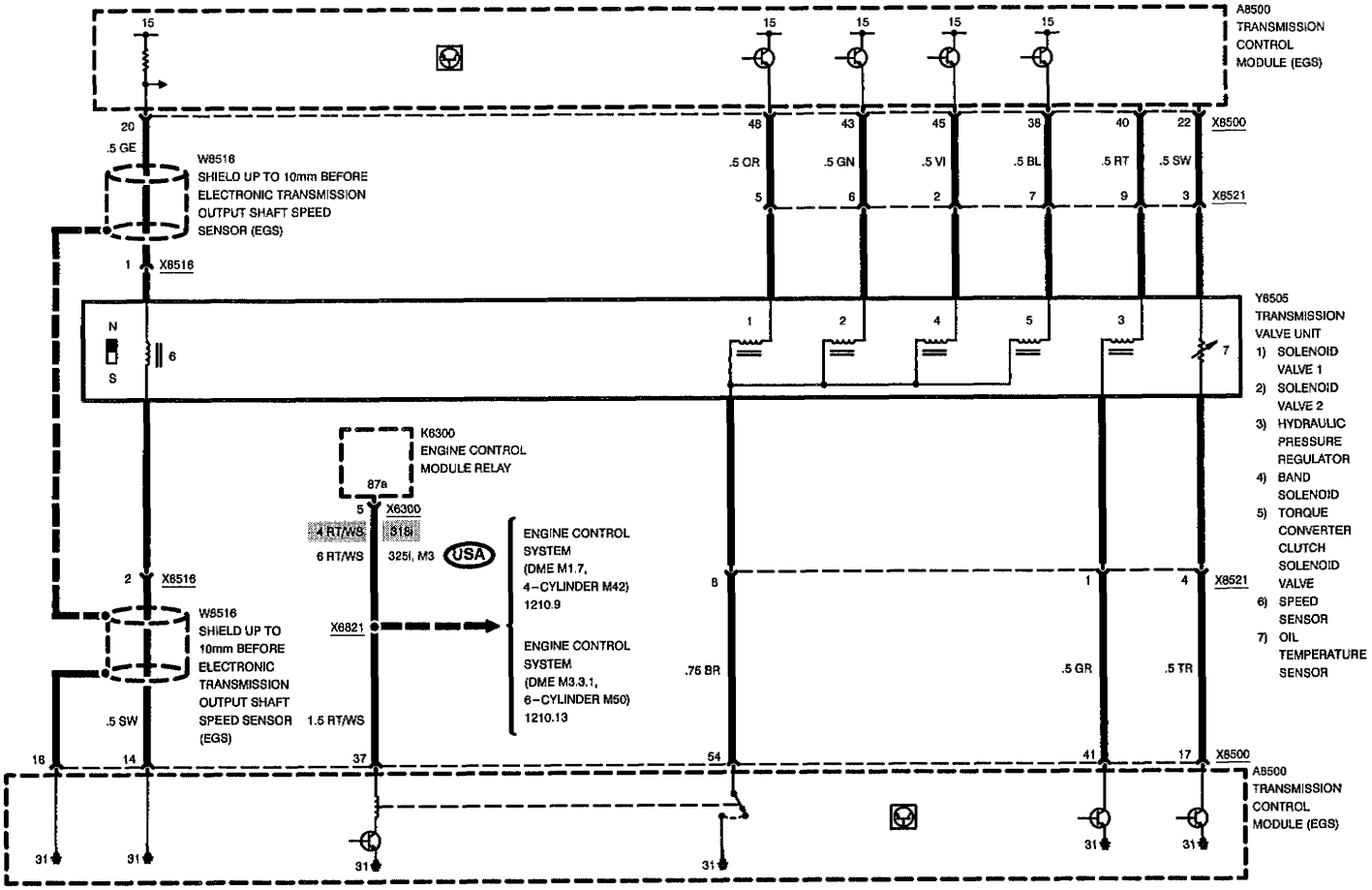
POWER, PROGRAM SWITCH



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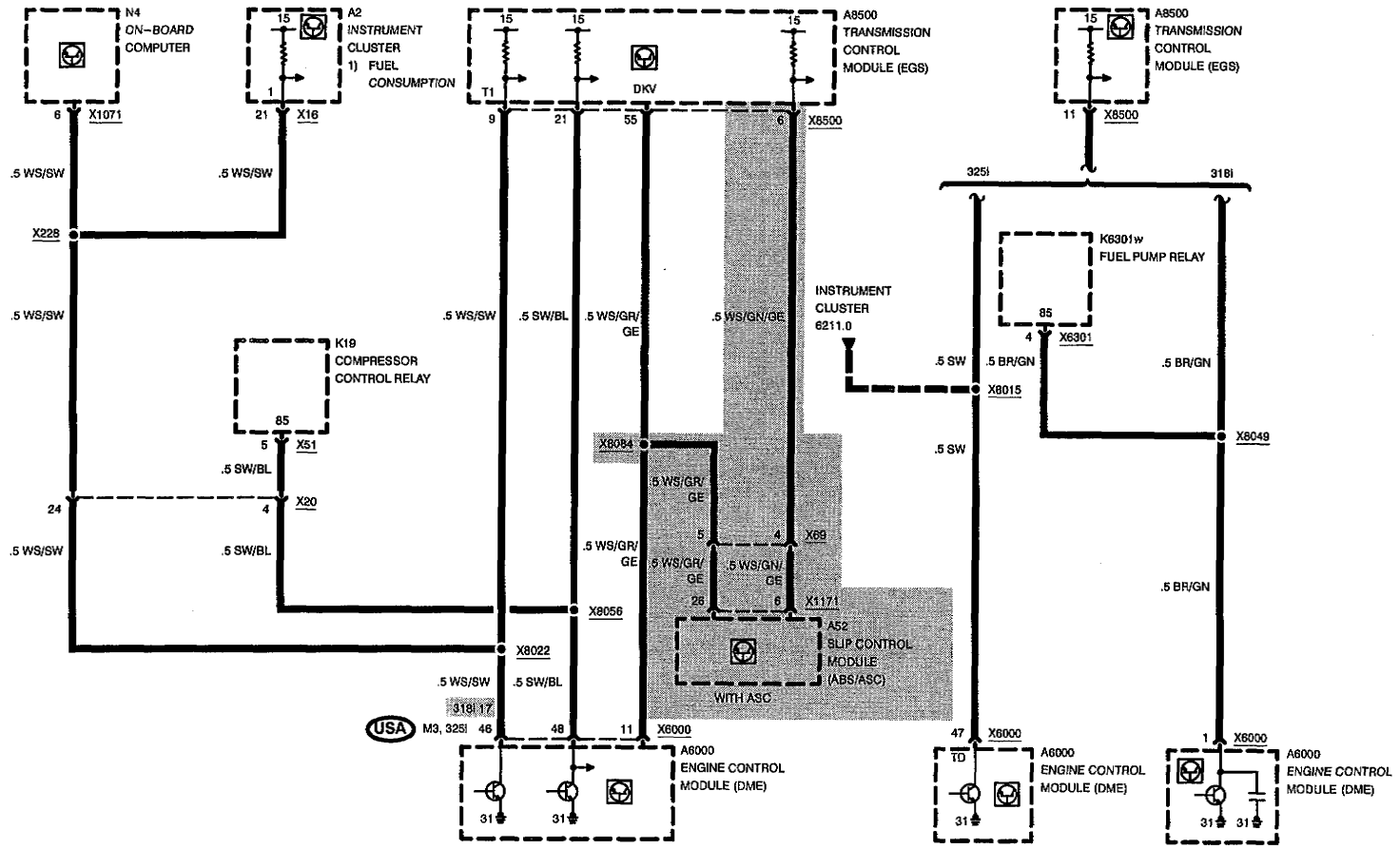
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GEAR VALVE UNIT



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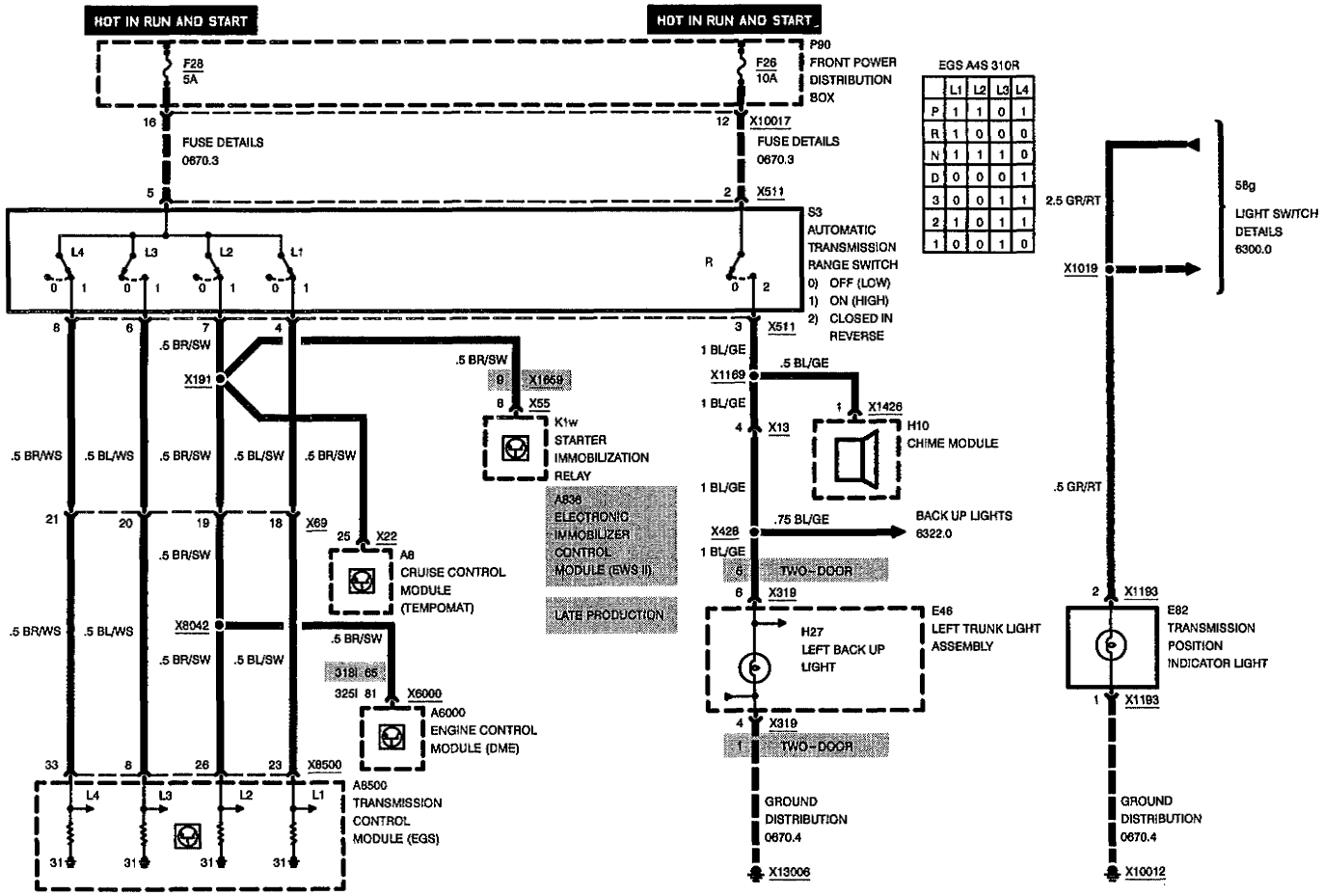
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

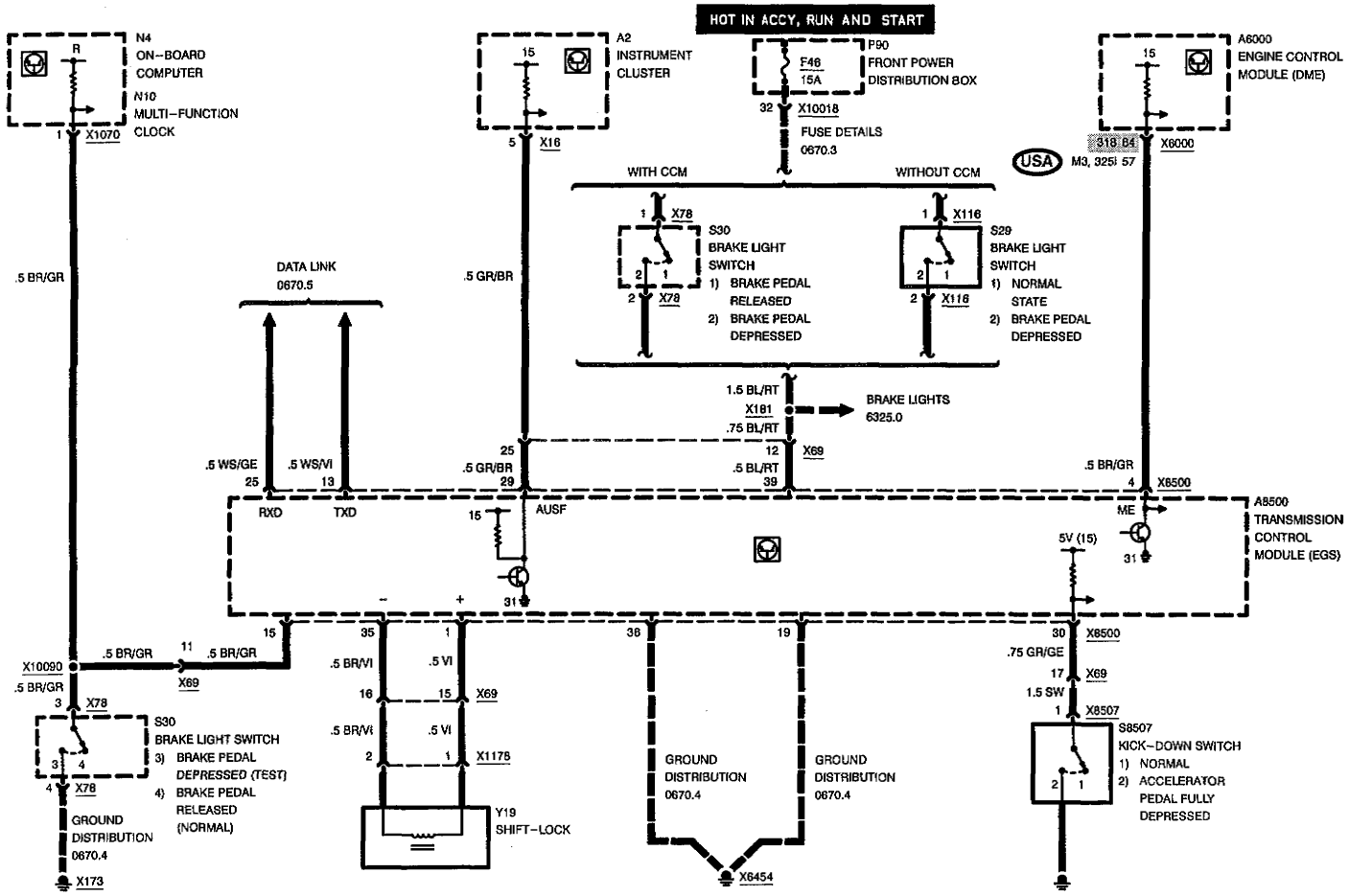
GEAR SELECTOR SWITCH



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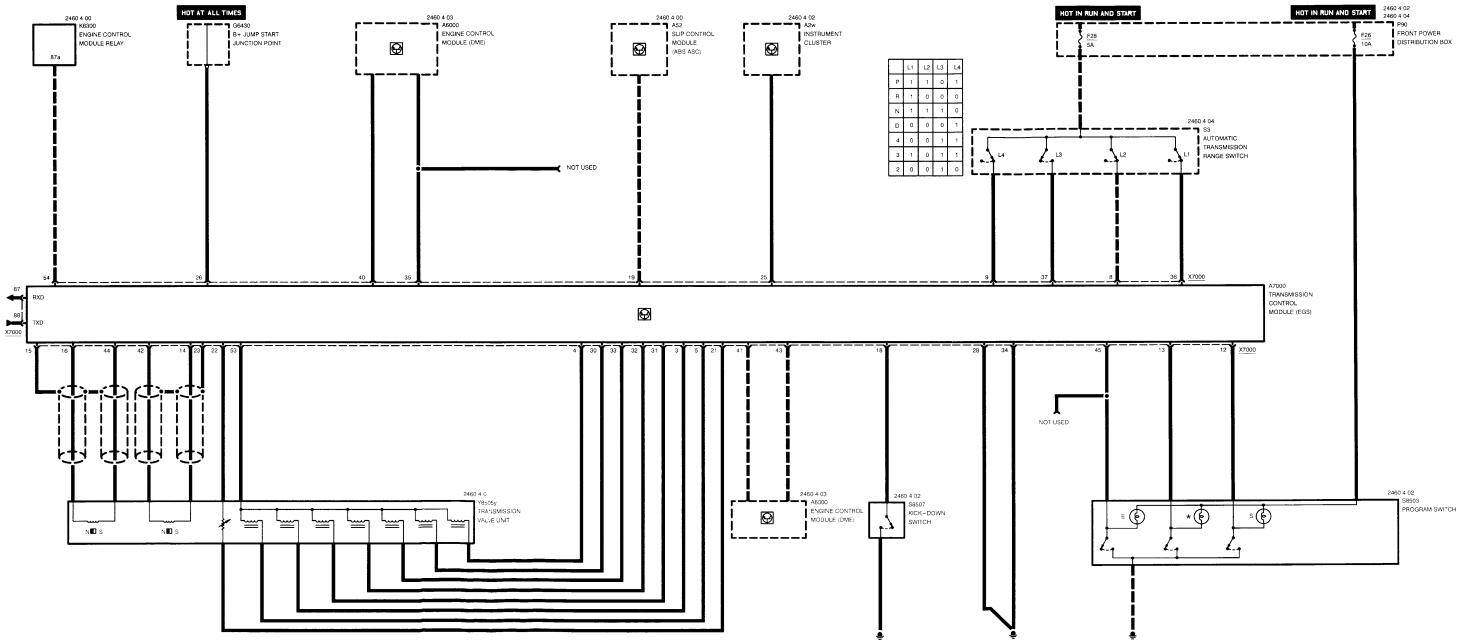
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

SHIFT LOCK, DATA LINK, KICK–DOWN SWITCH

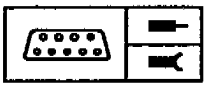


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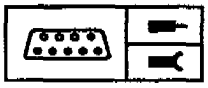
Pin Assignments

X7000

Pin	Type	Description/Function	Connection
1		Not used	
2		Not used	
3	A	Solenoid valve 5	Transmission valve unit
4	A	Torque converter clutch solenoid valve	Transmission valve unit
5	A	Hydraulic pressure regulator	Transmission valve unit
6		Not used	
7		Not used	
8		Gear range signal L2	Automatic transmission range switch
9		Gear range signal L4	Automatic transmission range switch
10		Not used	
11		Not used	
12	E	S-program indication	Program switch
13	E	*-program indication	Program switch
14	E	Speed sensor	Transmission valve unit
15	M	Shield speed sensor	Shield
16	A	Speed sensor n-turbine	Transmission valve unit
17		Not used	
18	E	Kick-down-signal	Kick-down-switch
19	E	ABS signal	ABS/ASC control module
20		Not used	
21	M	Ground oil temperature sensor	Transmission valve unit
22	E	Oil temperature sensor	Transmission valve unit
23		Not used	
24		Not used	
25	A	Fault indicator signal	Instrument cluster
26	E	Battery voltage	Jump start junction point
27		Not used	
28	M	Ground, electronics	Ground
29		Not used	
30	A	Solenoid valve 1	Transmission valve unit

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
31	A	Solenoid valve 4	Transmission valve unit
32	A	Solenoid valve 3	Transmission valve unit
33	A	Solenoid valve 2	Transmission valve unit
34	M	Ground	Ground
35	E	DKT-interface	Engine control module (DME)
36	E	Gear range signal L1	Automatic transmission range switch
37	E	Gear range signal L3	Automatic transmission range switch
38		Not used	
39		Not used	
40	A	Ignition timing intervention	Engine control module (DME)
41	E	Ti - measurement signal (fuel consumption)	Engine control module (DME)
42	A	Speed sensor n - ab (+)	Transmission valve unit
43	E	Crankshaft RPM speed signal TD	Engine control module (DME)
44	E	Speed sensor n-turbine	Transmission valve unit
45	E	E-program indication	Program switch
46		Not used	
47		Not used	
48		Not used	
49		Not used	
50		Not used	
51		Not used	
52		Not used	
53	A	Voltage supply for solenoid valves	Transmission valve unit
54	E	Voltage supply	DME-relay
55		Not used	
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	
61		Not used	
62		Not used	

E = Input, A = Output, M = Ground

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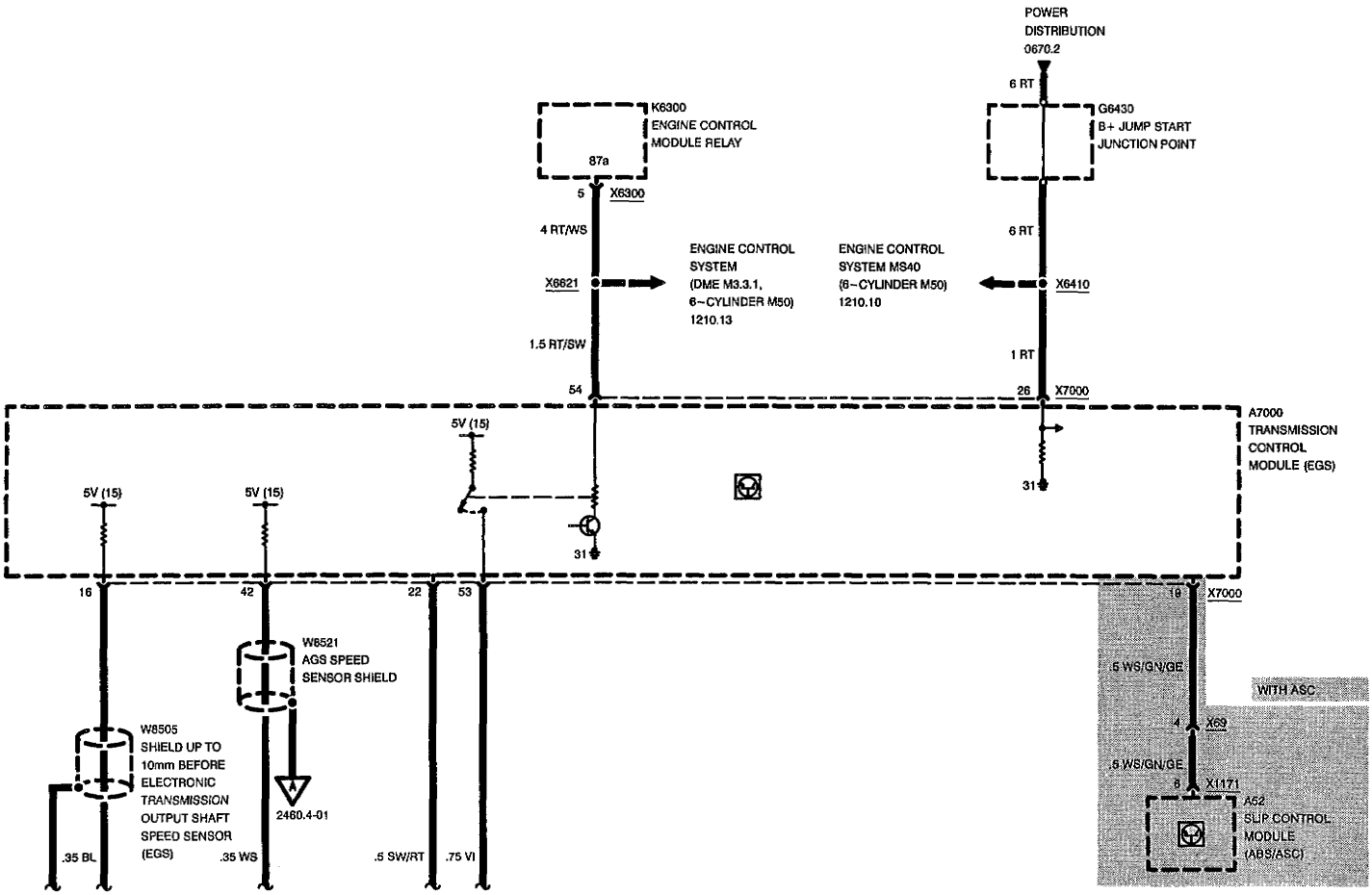
Pin Assignments

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

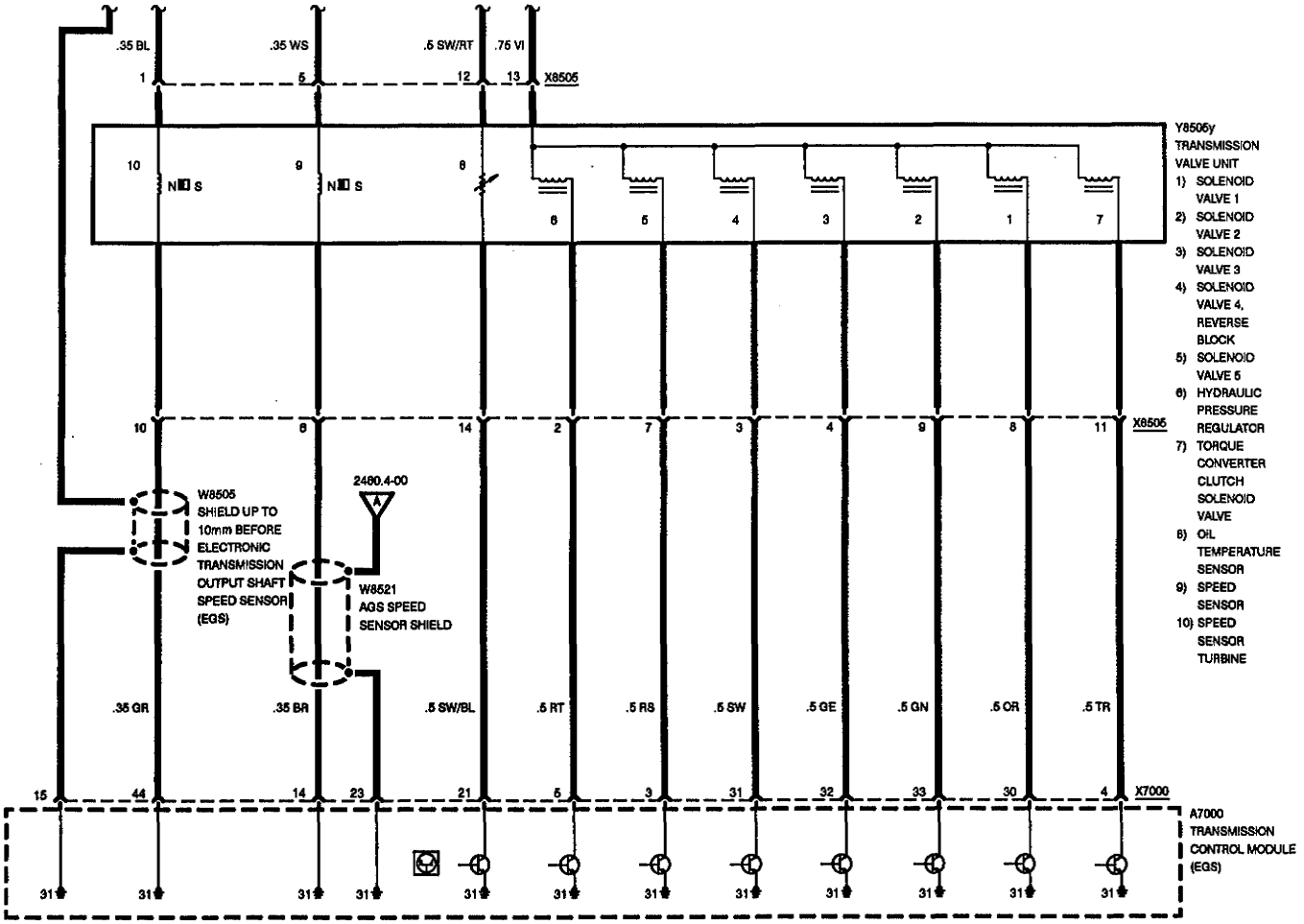
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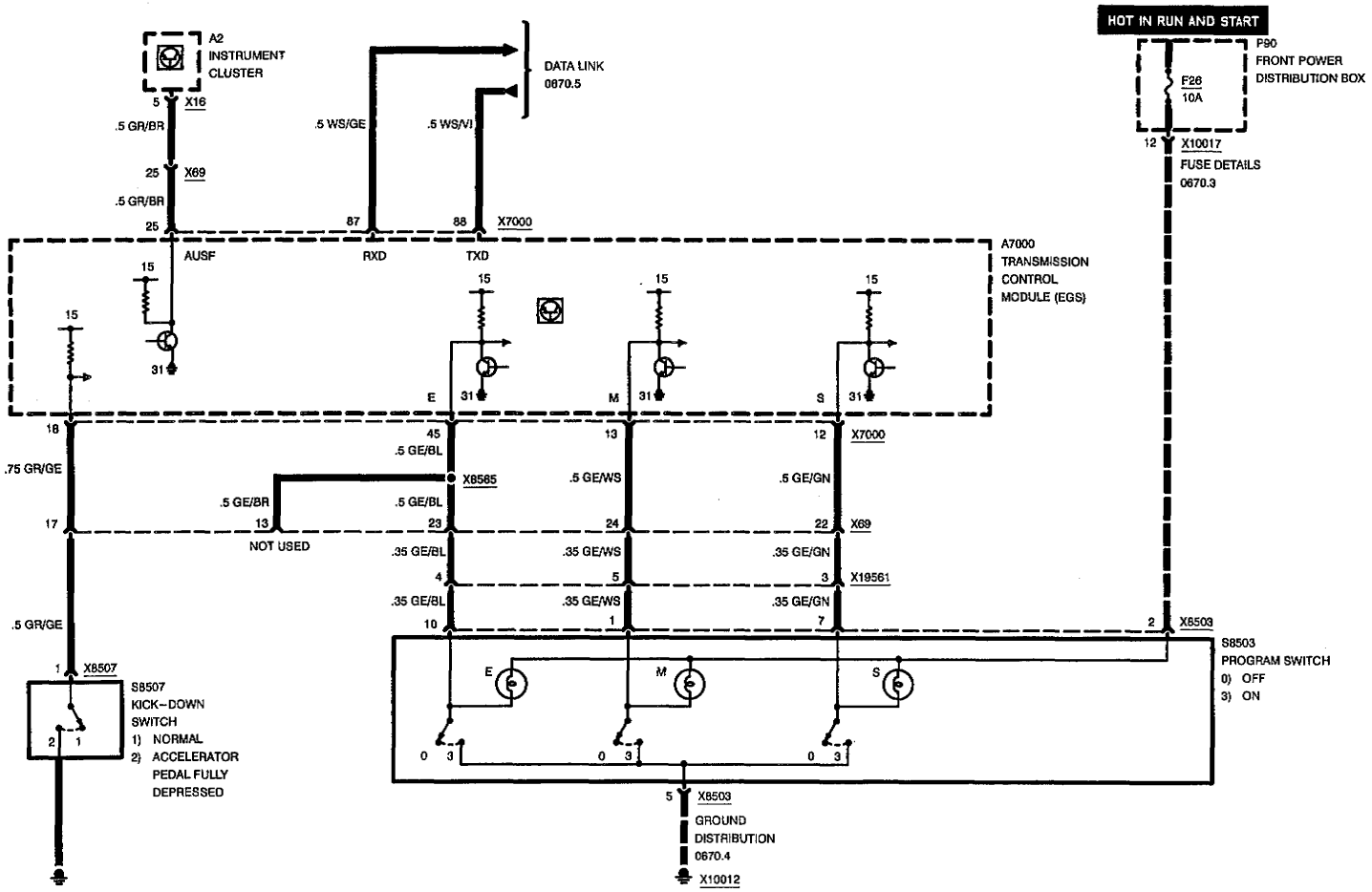


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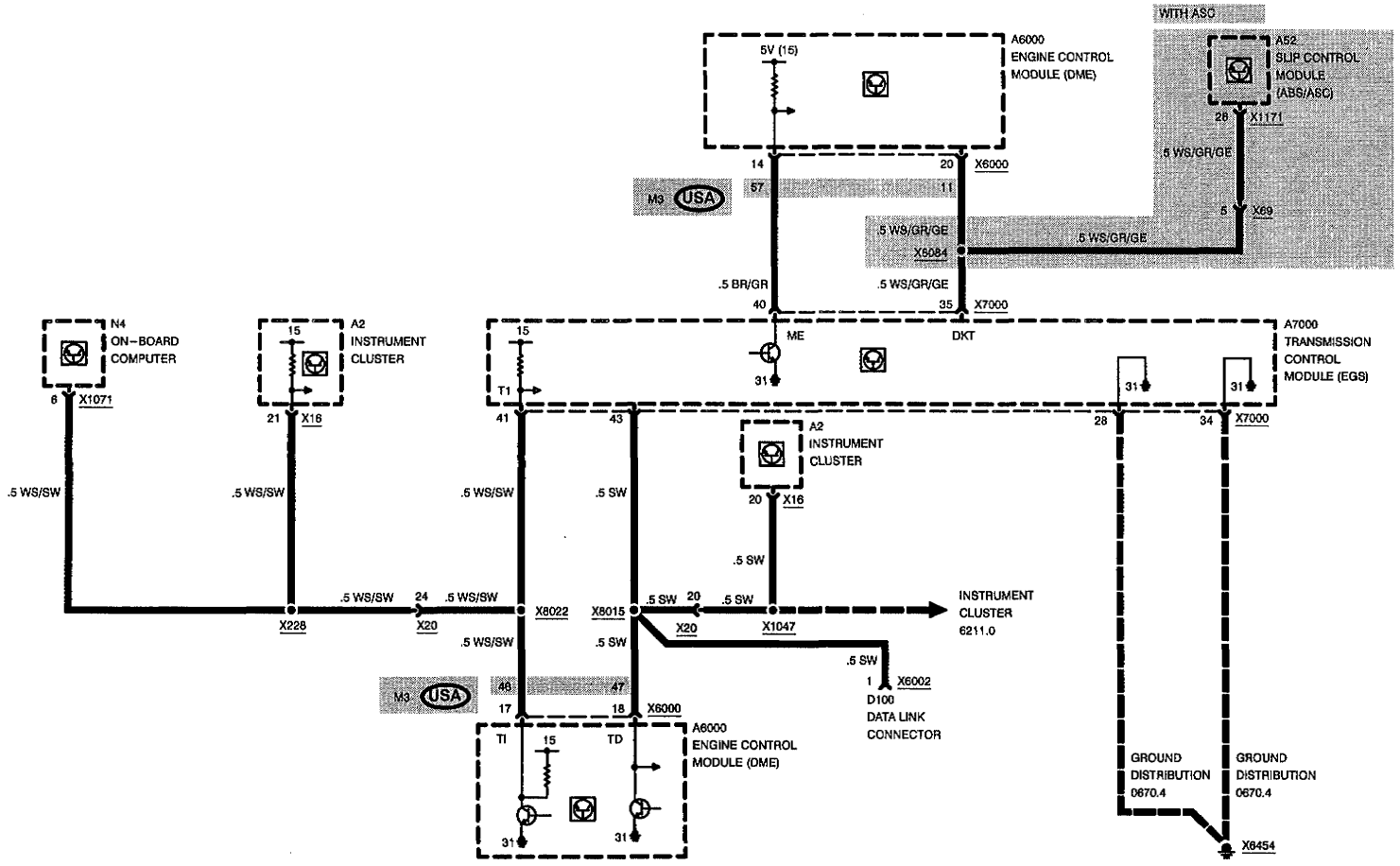
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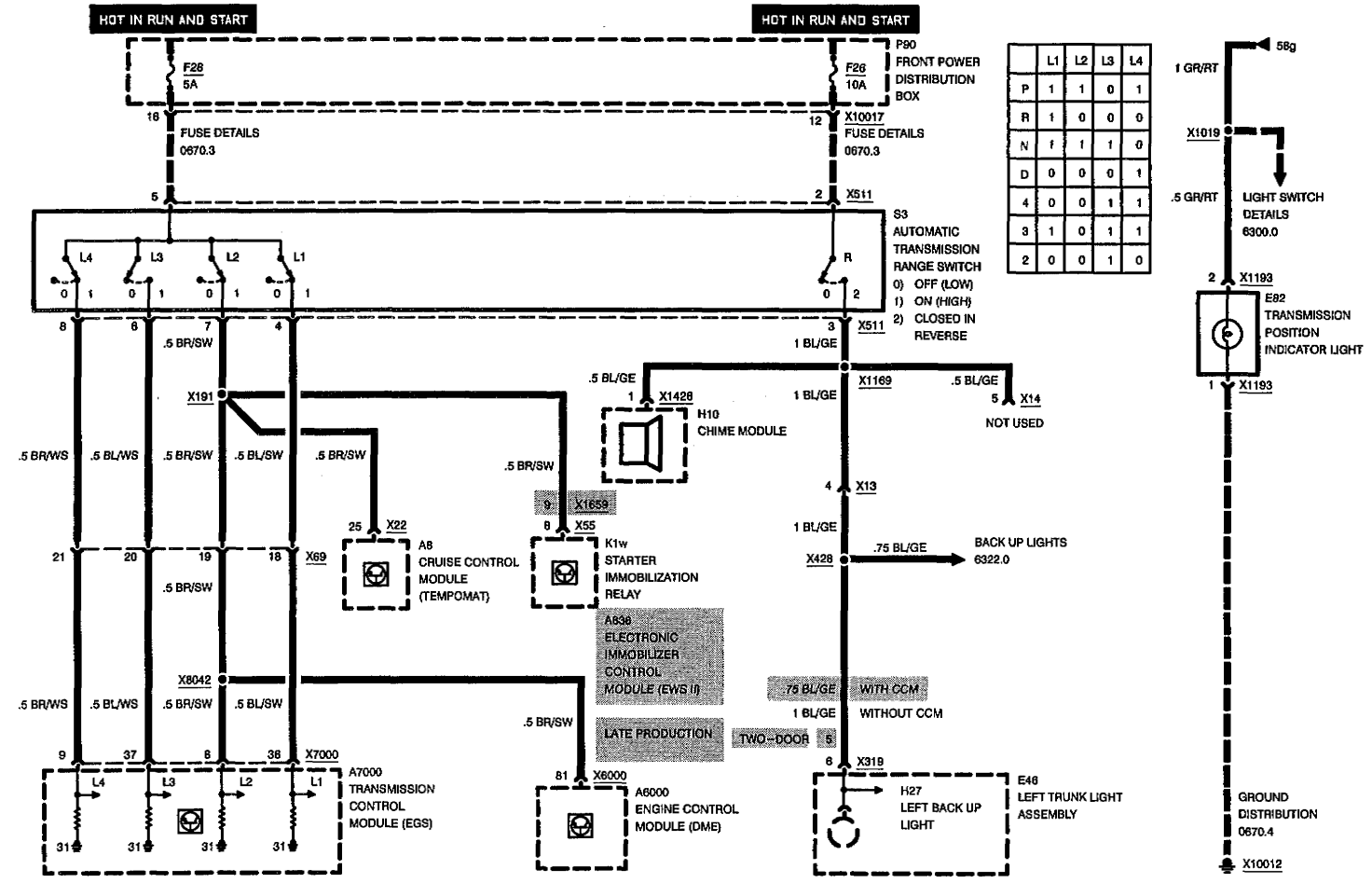
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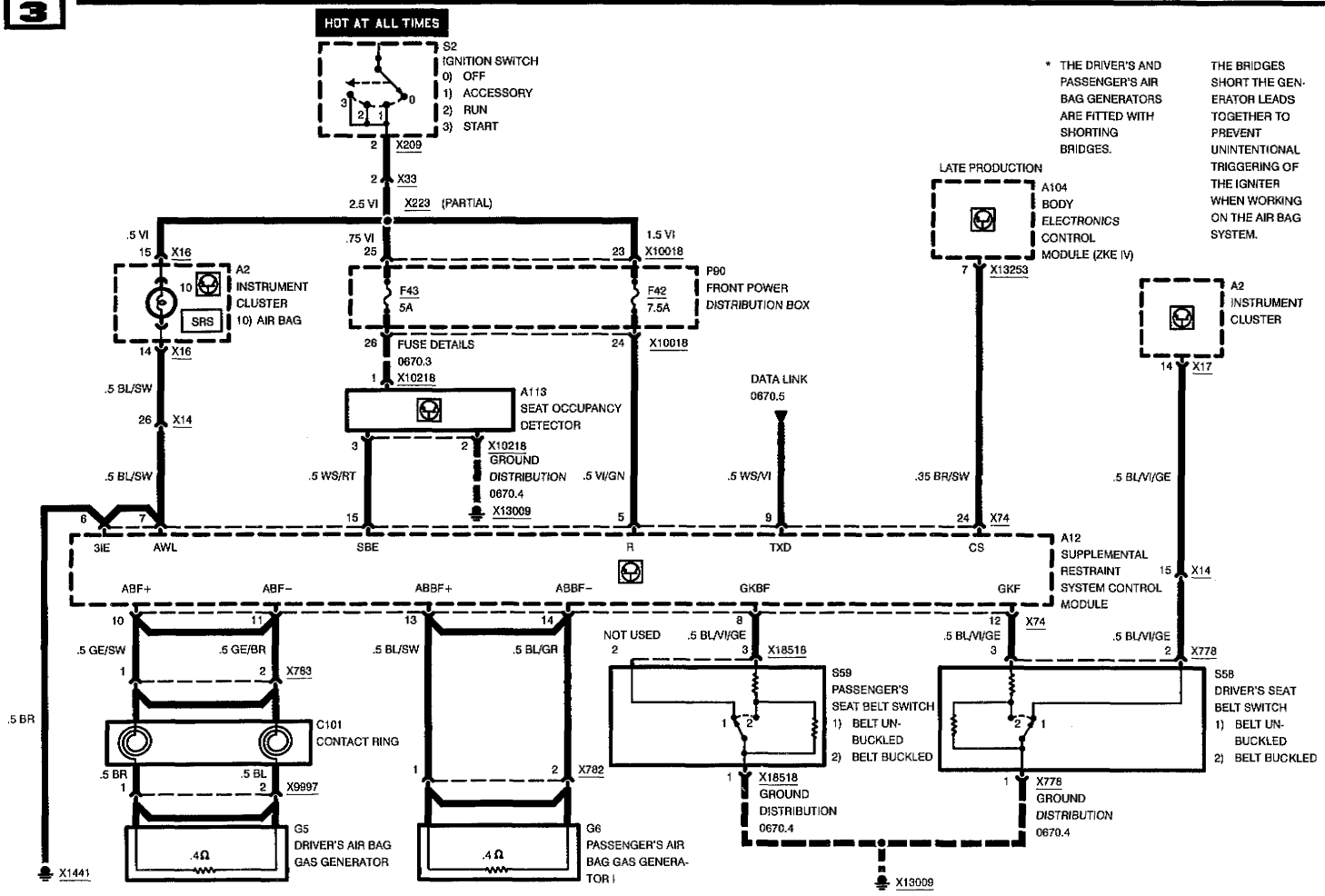
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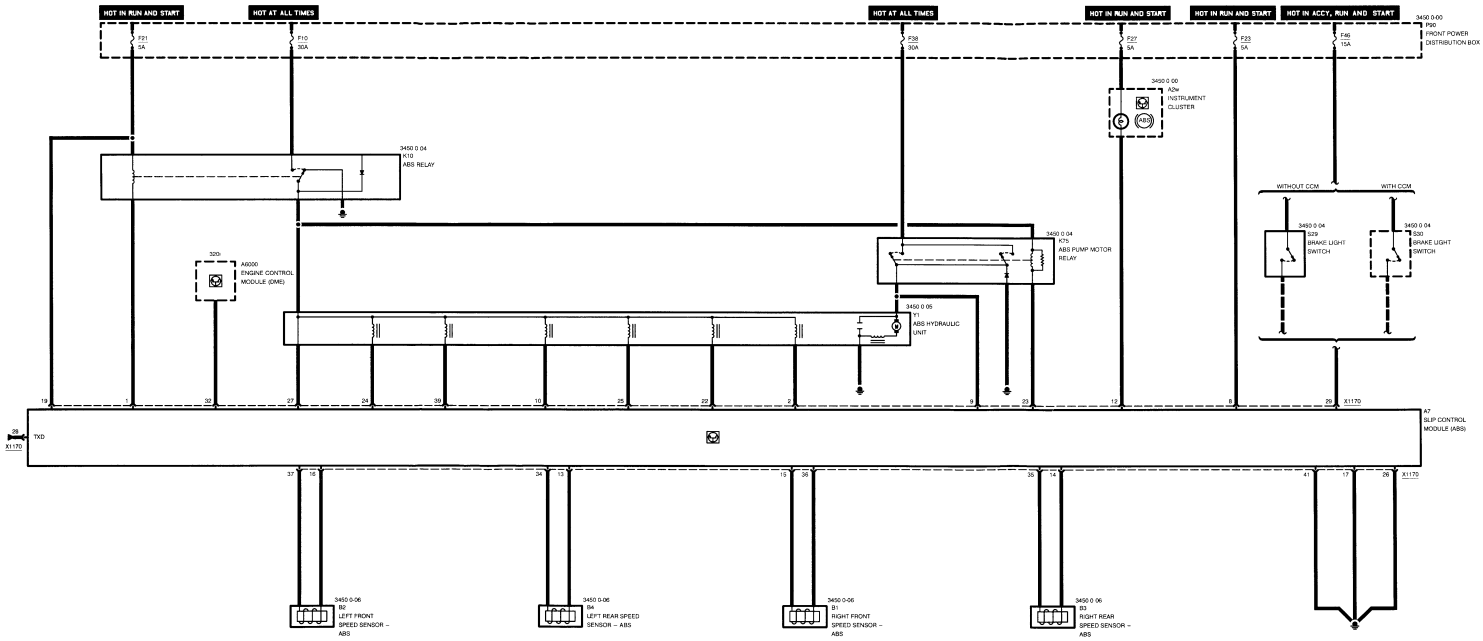
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

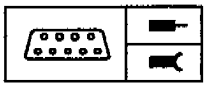


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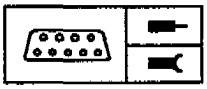
Pin Assignments

X11

Pin	Type	Description/Function	Connection
1	M	Ground, control module	Chassis ground
2	M	Ground, control module	ABS hydraulic unit solenoid valve, FL
3	E	Voltage monitoring	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

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
31	E	Pump motor sensor shield	ABS hydraulic unit
32	E	Brake light signal	Brake light switch
33	E	Operating voltage	ABS relay
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	

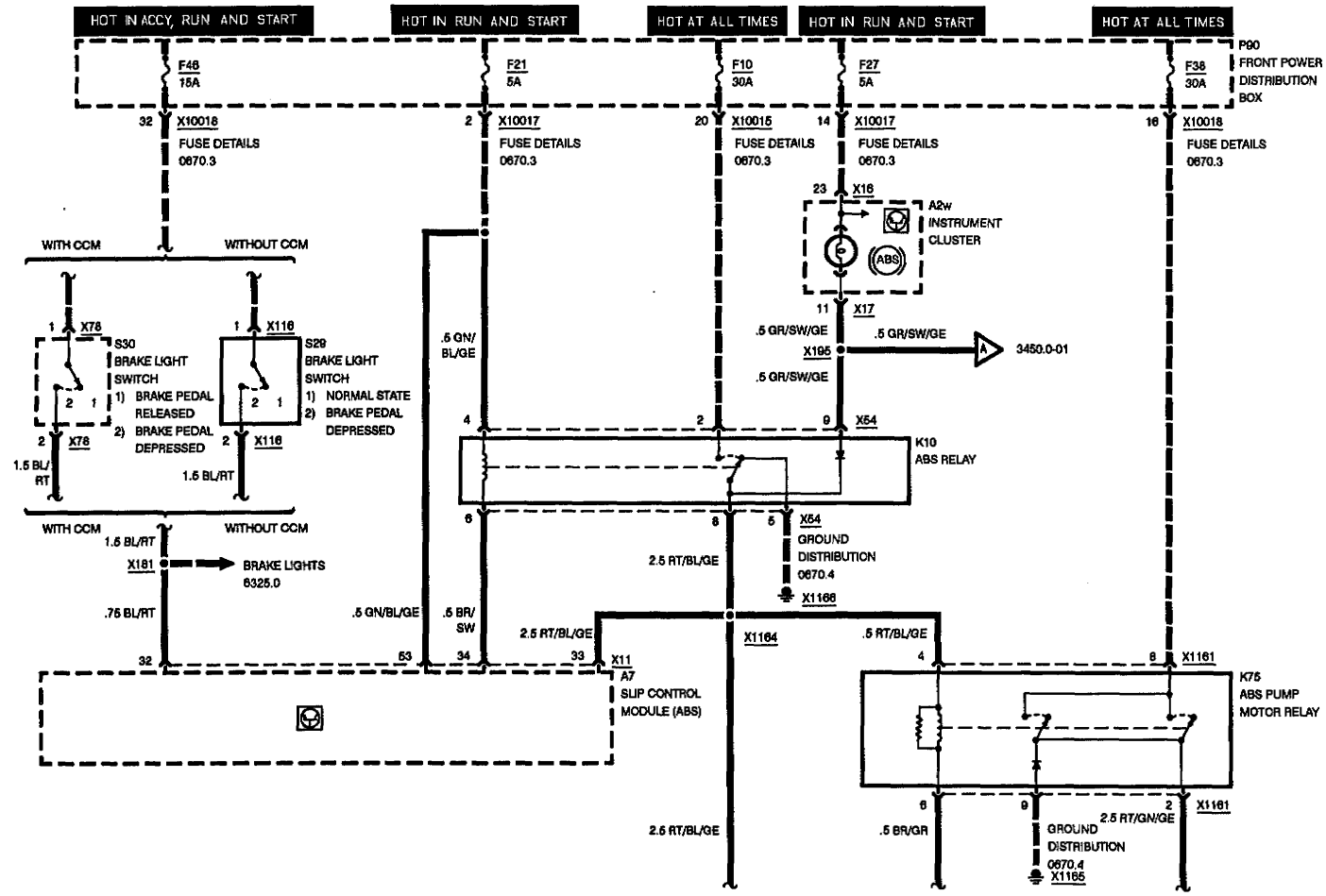
E = Input, A = Output, M = Ground

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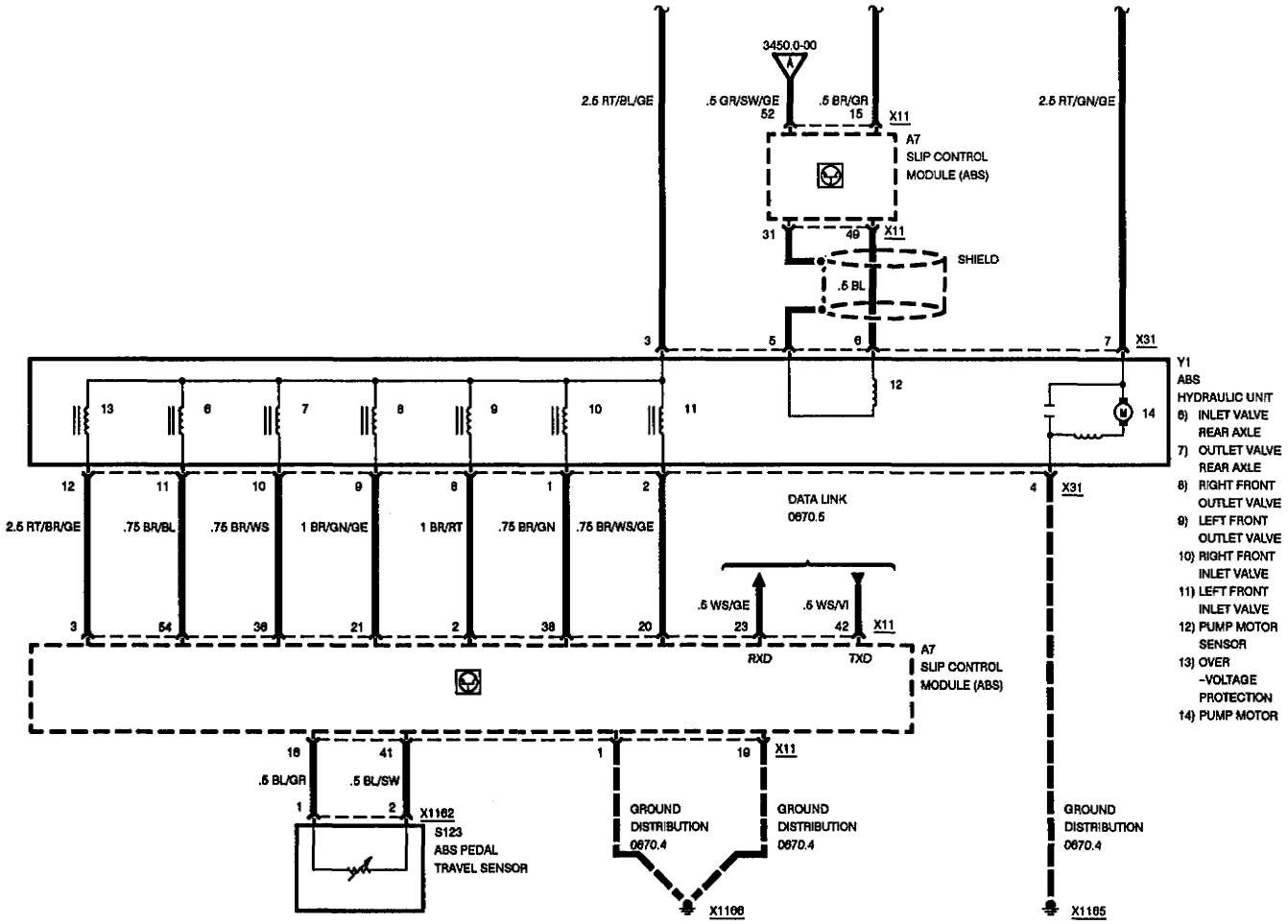
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SLIP CONTROL (ABS)

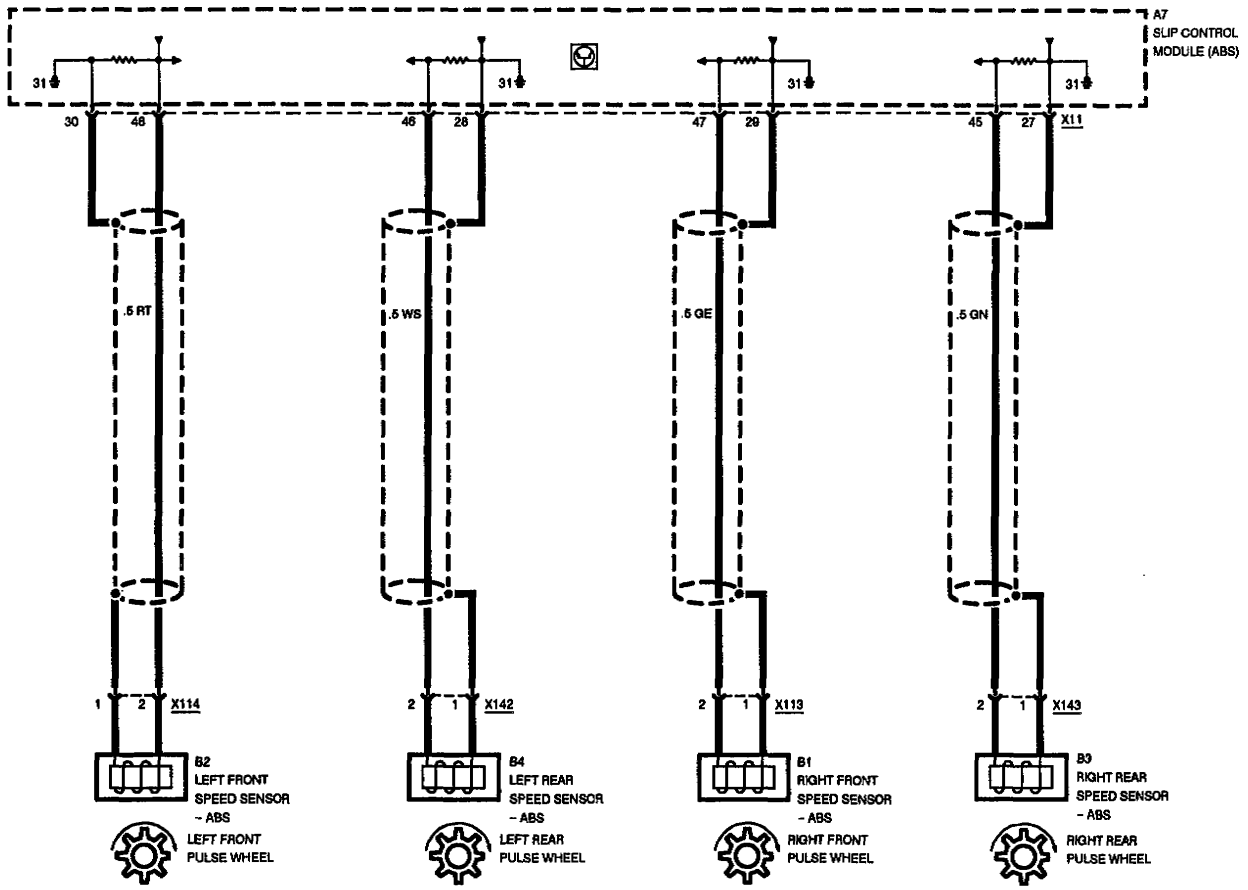
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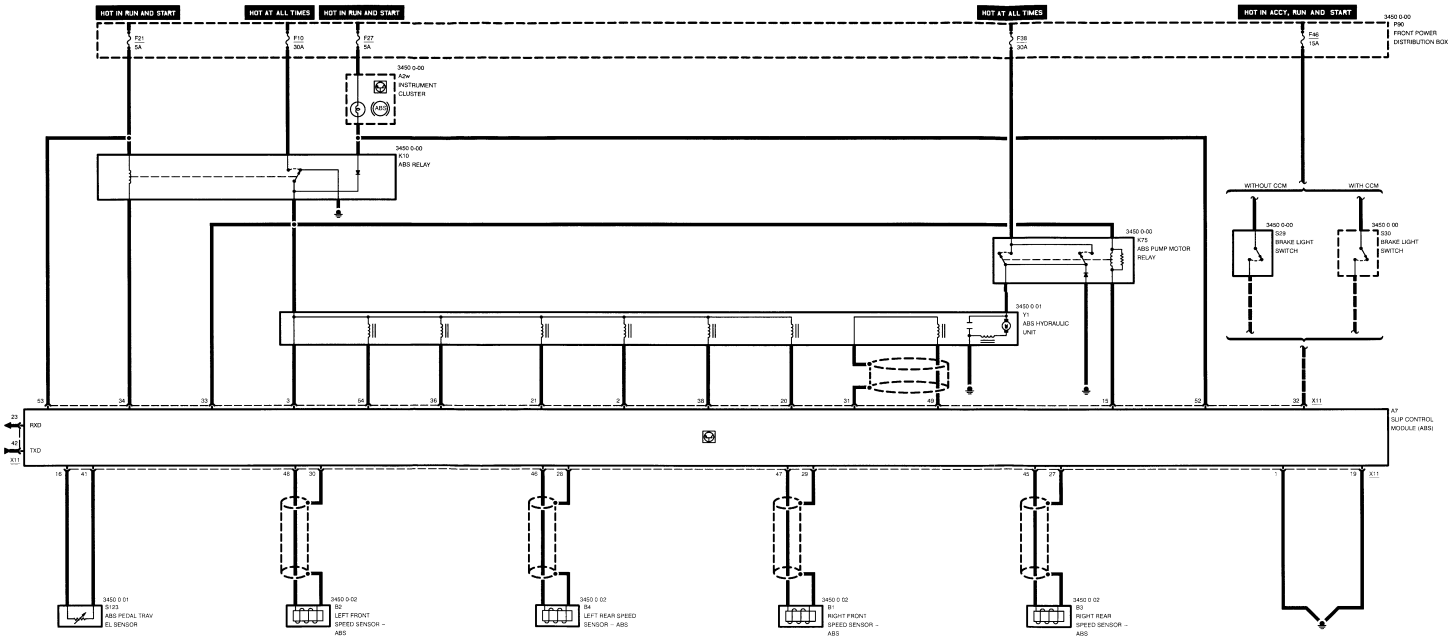


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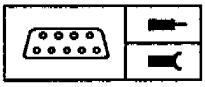


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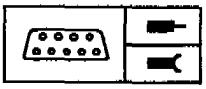
Pin Assignments

X1170

Pin	Type	Description/Function	Connection
1	A	ABS relay control	ABS relay
2	A	Right front inlet valve control	ABS hydraulic unit
3		Not used	
4		Not used	
5		Not used	
6		Not used	
7		Not used	
8	E	Voltage supply, terminal 15	Front power distribution box, fuse 23
9	E	Operating voltage	ABS relay
10	A	Right front outlet valve control	ABS hydraulic unit
11		Not used	
12	A	ABS warning lamp control	Instrument cluster
13	A	Speed sensor ground, RL	Left rear speed sensor - ABS
14	A	Speed sensor ground, RR	Right rear speed sensor - ABS
15	A	Speed sensor ground, FR	Right front speed sensor - ABS
16	A	Speed sensor ground, FL	Left front speed sensor - ABS
17	M	Ground, control module	Chassis ground
18		Not used	
19	E	Voltage supply, terminal 15	Front power distribution box, fuse 21
20		Not used	
21		Not used	
22	A	Left front inlet valve control	ABS hydraulic unit
23	A	ABS pump motor relay control	ABS pump motor relay
24	A	Rear axle inlet valve control	ABS hydraulic unit
25	A	Left front outlet valve control	ABS hydraulic unit
26	M	Ground, control module	Chassis ground
27	E	Voltage monitoring, hydraulics	ABS hydraulic unit
28	E/A	TxD diagnostic data link	Data link connector
29	E	Brake light signal	Brake light switch
30		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
31		Not used	
32		Not used	
33		Not used	
34	E	Speed sensor signal RL	Left rear speed sensor - ABS
35	E	Speed sensor signal RR	Right rear speed sensor - ABS
36	E	Speed sensor signal FR	Right front speed sensor - ABS
37	E	Speed sensor signal FL	Left front speed sensor - ABS
38		Not used	
39	A	Rear axle outlet valve control	ABS hydraulic unit
40		Not used	
41	M	Ground, control module	Chassis ground
42		Not used	
43		Not used	
44		Not used	
45		Not used	
46		Not used	
47		Not used	
48		Not used	
49		Not used	
50		Not used	
51		Not used	
52		Not used	
53		Not used	
54		Not used	
55		Not used	

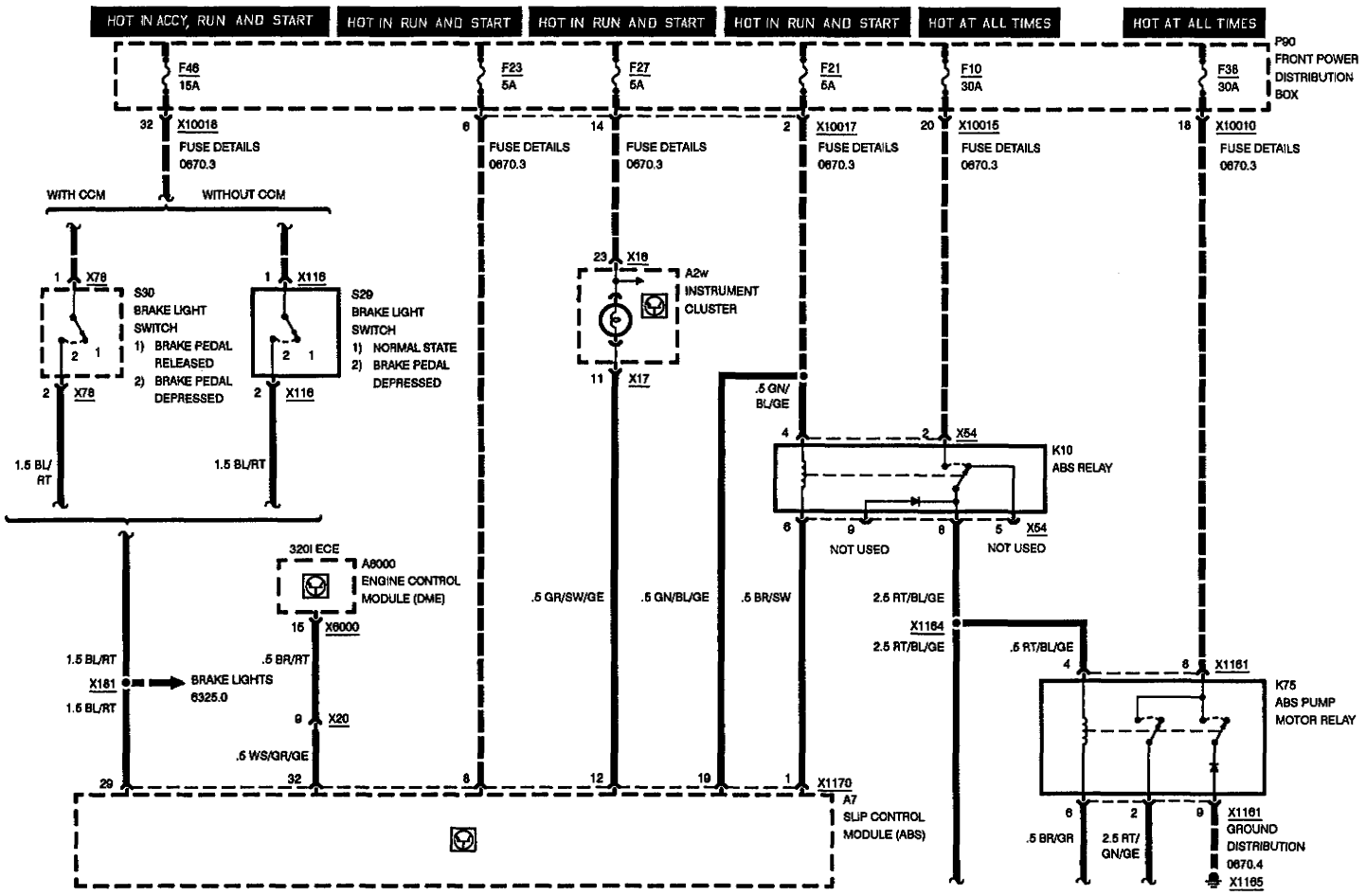
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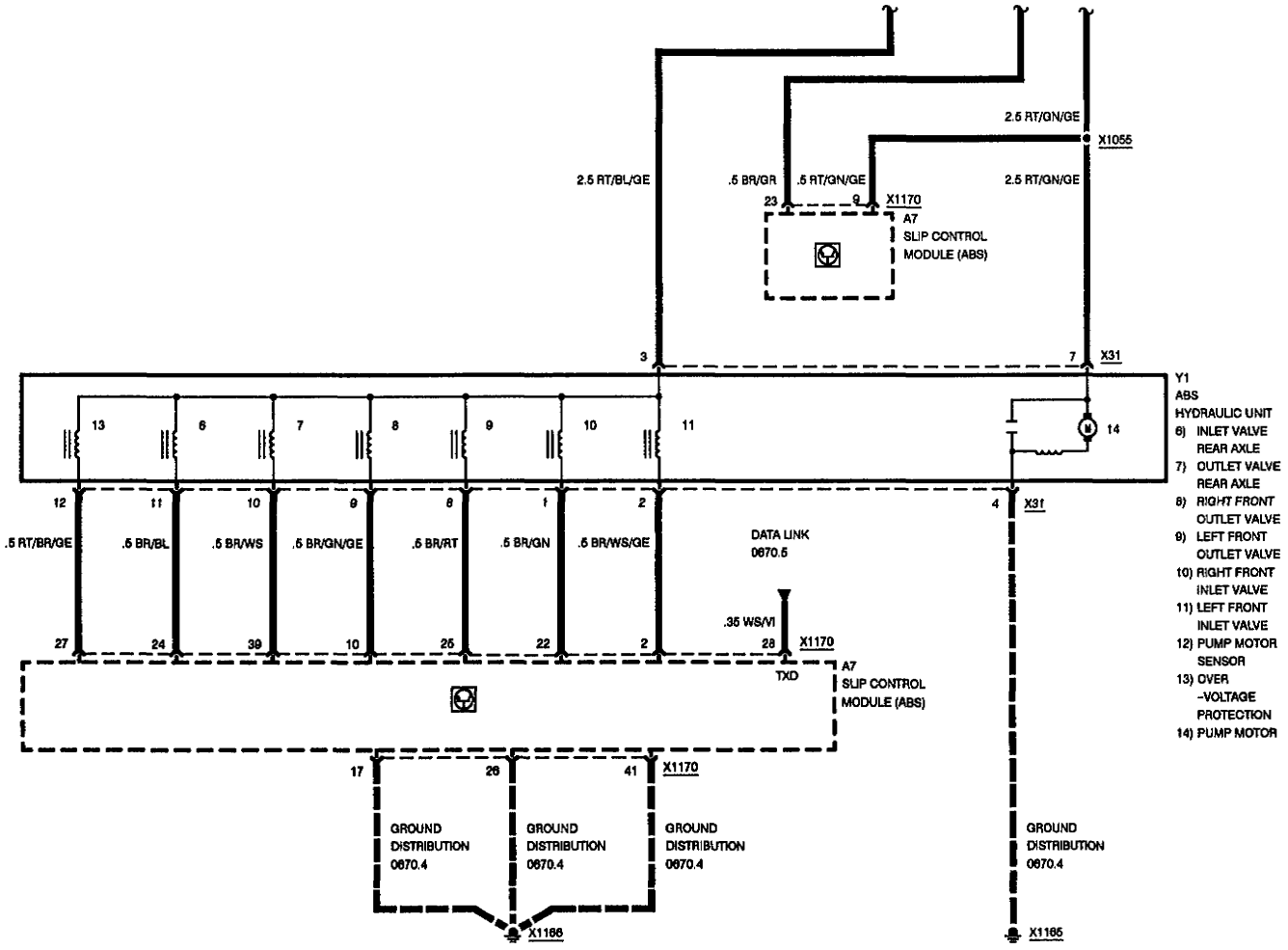
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SLIP CONTROL (ABS)

LATE PRODUCTION



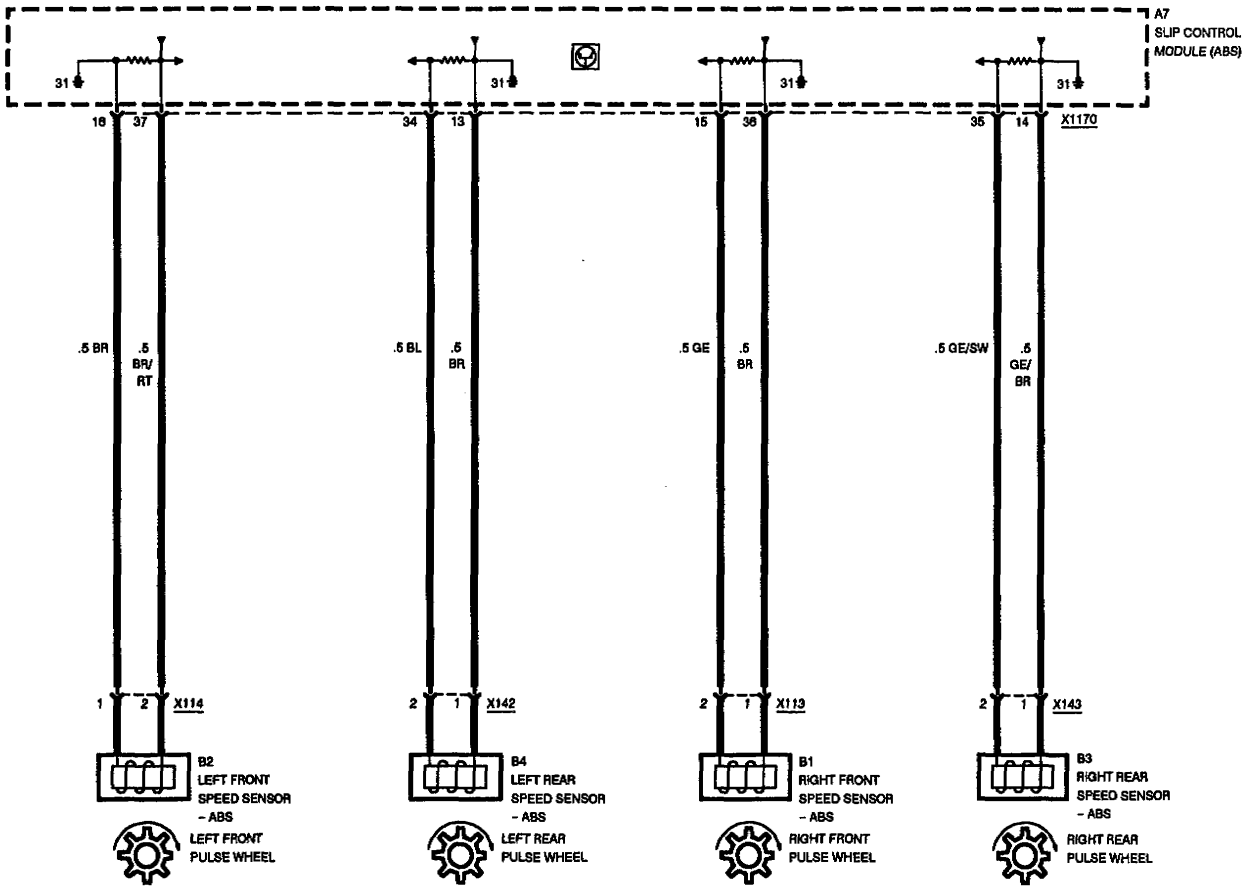
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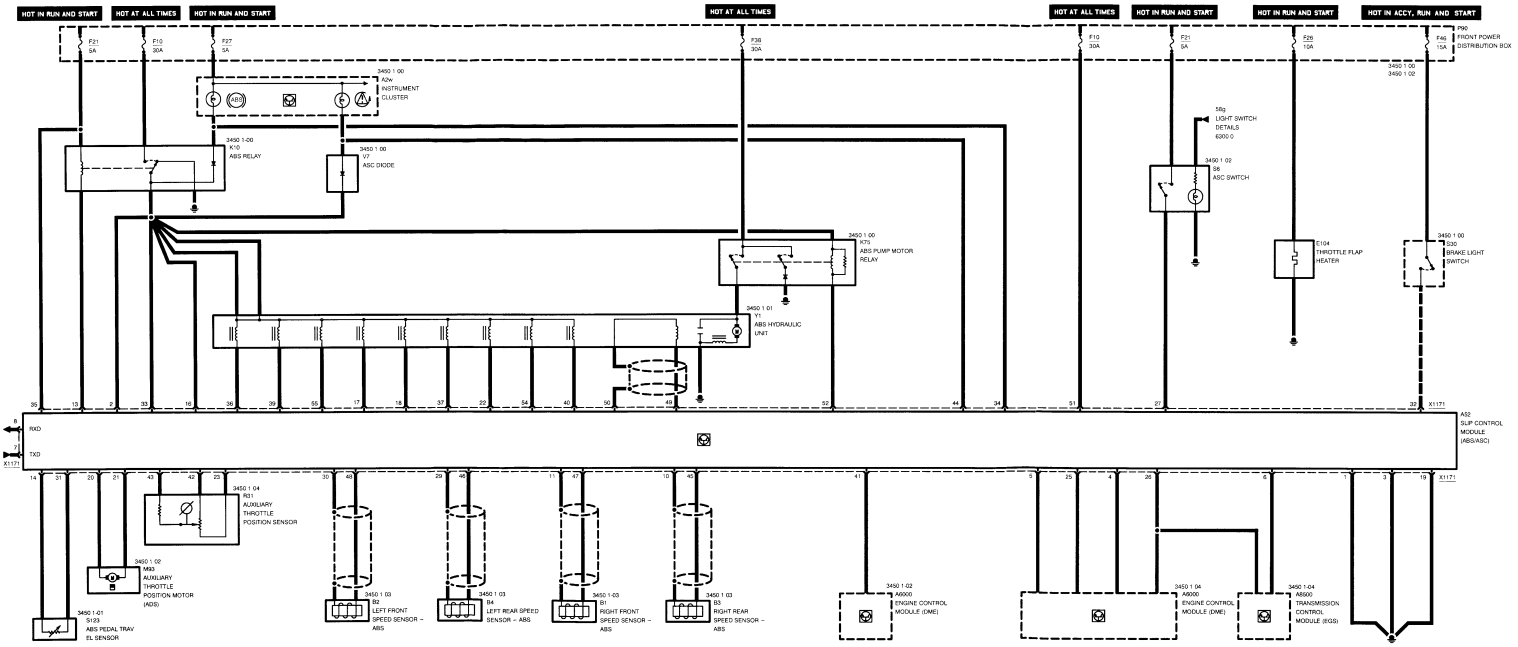
SLIP CONTROL (ABS)

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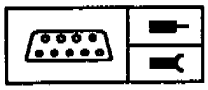
Pin Assignments

X1171

Pin	Type	Description/Function	Connection
1	M	Ground	Ground
2	E	Battery voltage	ABS relay
3	M	Ground, module	Ground
4	E	Signal	DME-module
5	A	EML-signal	DME-module
6	A	Transmission influence	EGS-module
7	E/A	TxD-signal	Diagnostic link
8	A	RxD-signal	Diagnostic link
9		Not used	
10	A	Sensor ground	ABS-speed sensor rear right
11	A	Sensor ground	ABS-speed sensor front right
12		Not used	
13	A	ABS-power protection relay	ABS-power protection relay
14	E	Signal ABS-travel sensor	ABS-travel sensor
15		Not used	
16	E	Current	ABS-relay
17	A	Solenoid valve signal left rear	ABS-hydraulic unit
18	A	Solenoid valve signal left rear	ABS-hydraulic unit
19	M	Ground	Ground
20	A	ADS-step Motor	ADS-step motor
21	A	ADS-step Motor	ADS-step motor
22	A	Solenoid valve signal right front	ABS-hydraulic unit
23	E	ASC-throttle flap potentiometer	ASC-throttle flap motor
24		Not used	
25	E	Signal idle speed	DME-module
26	A	Throttle flap position	DME-module
27	E	ASC-switch signal	ASC-switch
28		Not used	
29	A	Sensor ground	ABS-speed sensor rear left
30	A	Sensor gound	ABS-speed sensor front left

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Pin Assignments

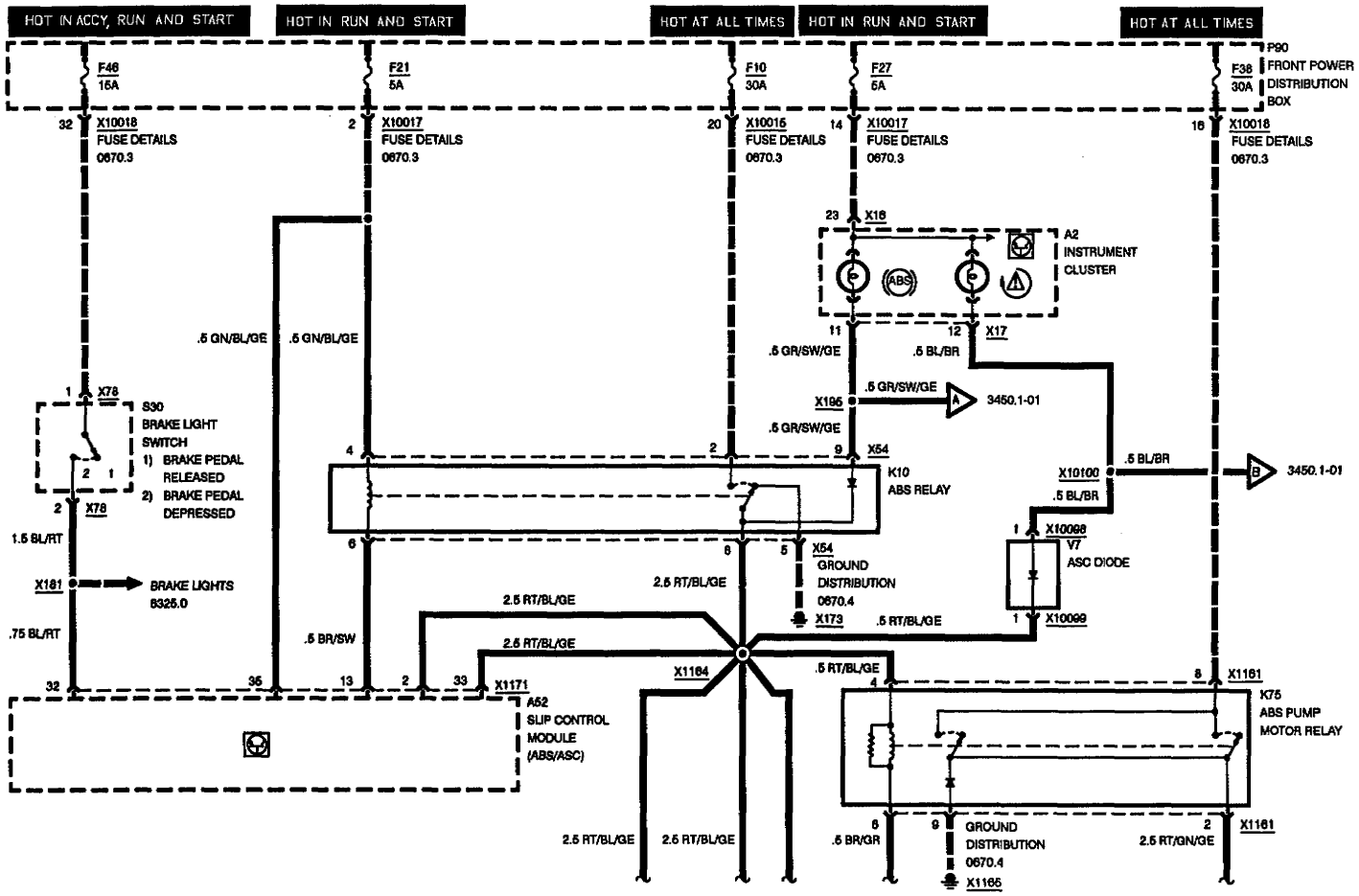
Pin	Type	Description/Function	Connection
31	A	Signal ABS-travel sensor	ABS-travel sensor
32	E	Brake signal	Brake light switch
33	E	Plus supply	ABS-protection relay
34	A	ABS-lamp control	Instrument cluster
35	E	Ignition signal	Ignition switch
36	A	Solenoid valve	ABS-hydraulic unit
37	A	Solenoid valve signal right front	ABS-hydraulic unit
38		Not used	
39	A	Solenoid valve signal left rear	ABS-hydraulic unit
40	A	Solenoid valve signal left front	ABS-hydraulic unit
41	E	Speed signal	DME-module
42	E	ASC-throttle flap potentiometer	ASC-throttle flap potentiometer
43	E	ASC-throttle flap potentiometer	ASC-throttle flap potentiometer
44	A	ASC-lamp control	Instrument cluster
45	E	Speed sensor signal rear right	Speed sensor rear right
46	E	Speed sensor signal rear left	Speed sensor rear left
47	E	Speed sensor signal front right	Speed sensor front right
48	E	Speed sensor signal front left	Speed sensor front left
49	E	Pump motor sensor signal	ABS-hydraulic unit
50	E	Shield pump motor sensor	ABS-hydraulic unit
51	E	Plus supply	Front power distribution box
52	A	ABS-pump motor relay	ABS-pump motor relay
53		Not used	
54	A	Solenoid valve signal left front	ABS-hydraulic unit
55	A	Solenoid valve signal left rear	ABS-hydraulic unit

E = Input, A = Output, M = Ground

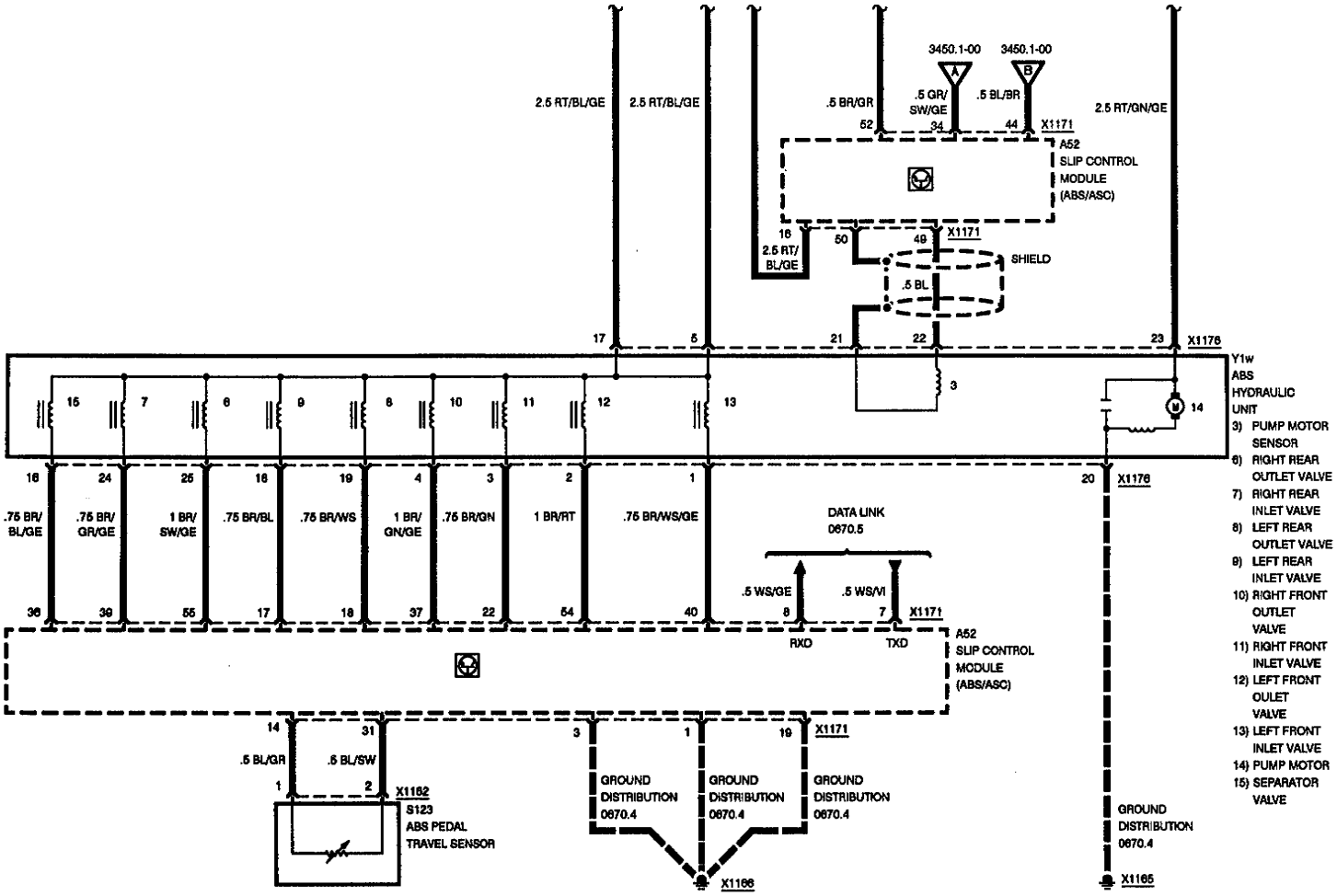
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SLIP CONTROL (ABS/ASC)

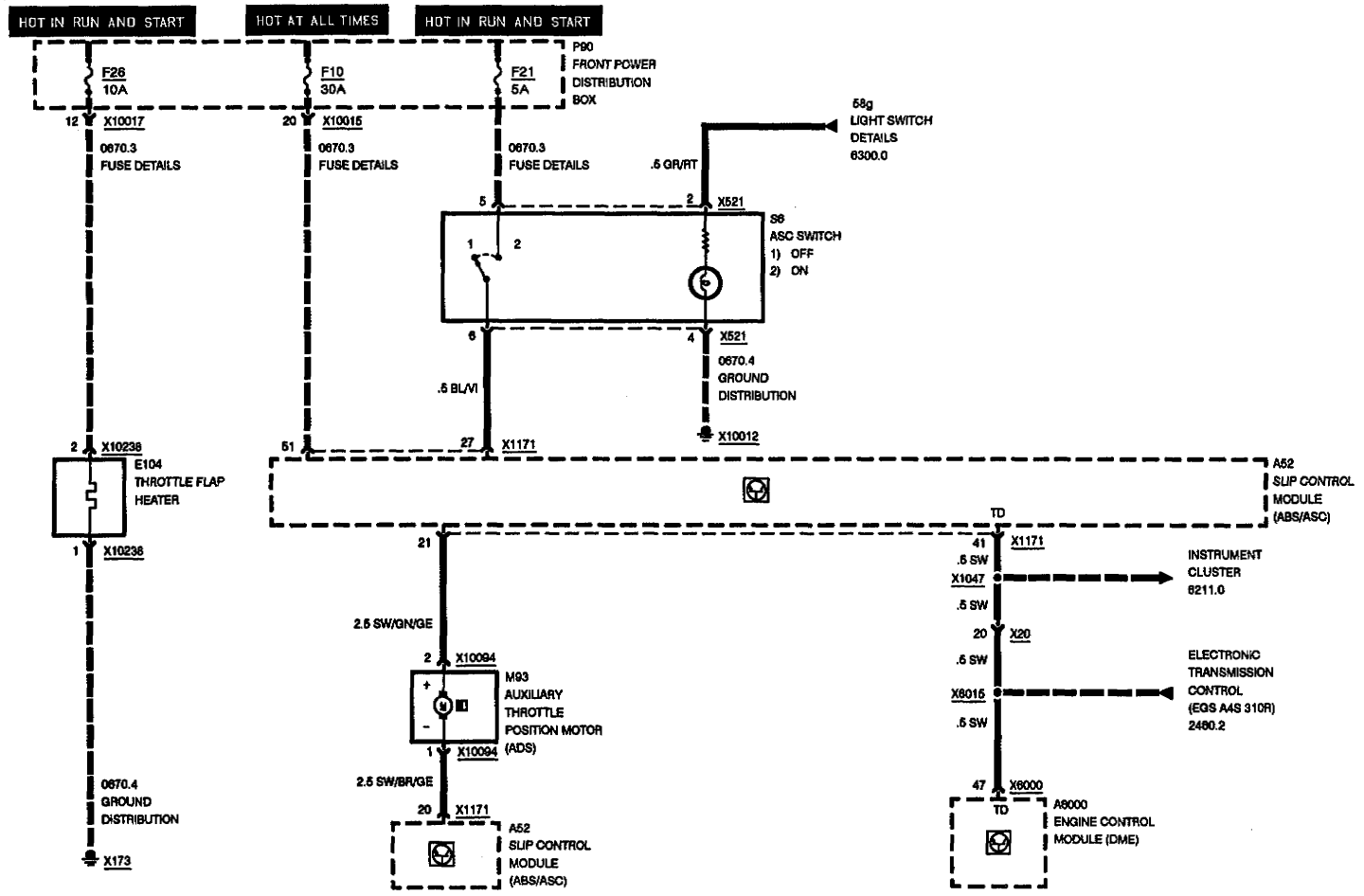


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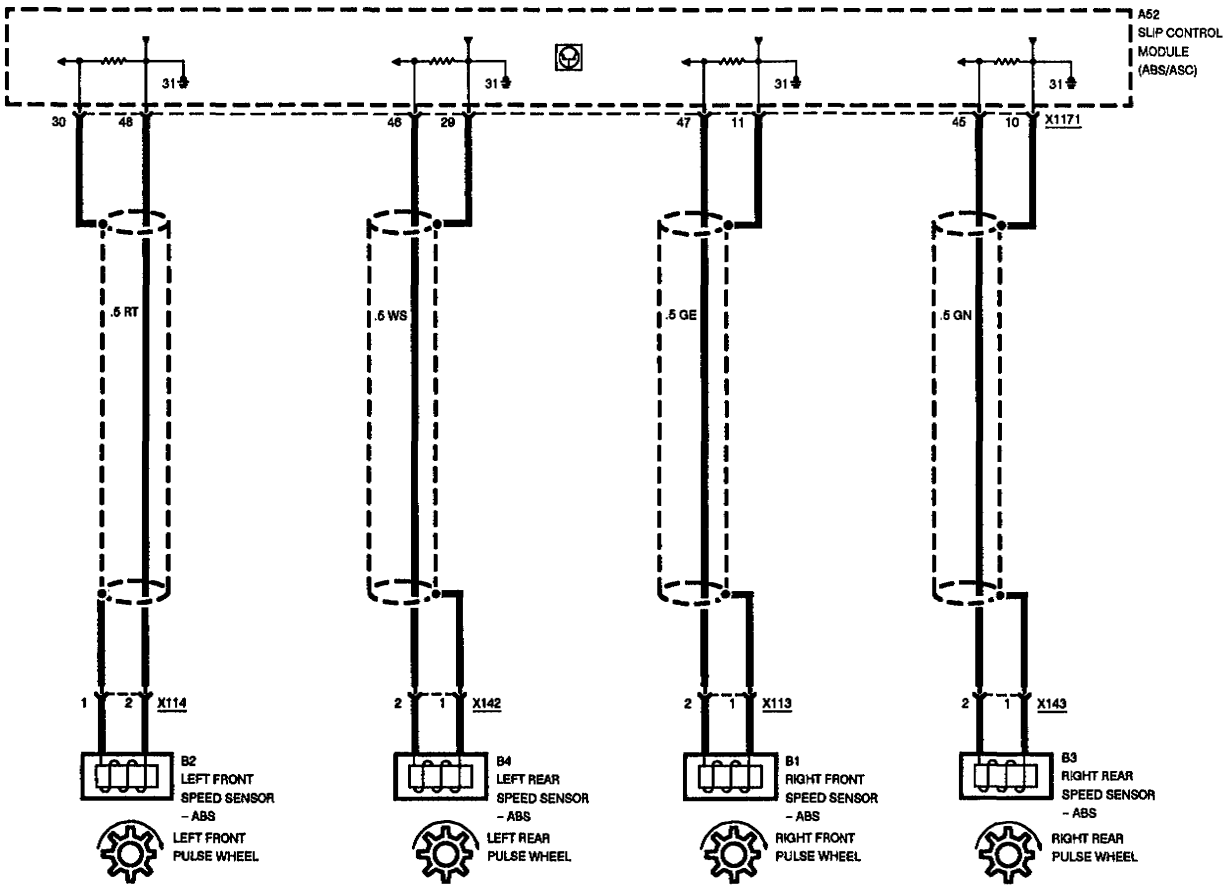


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SLIP CONTROL (ABS/ASC)



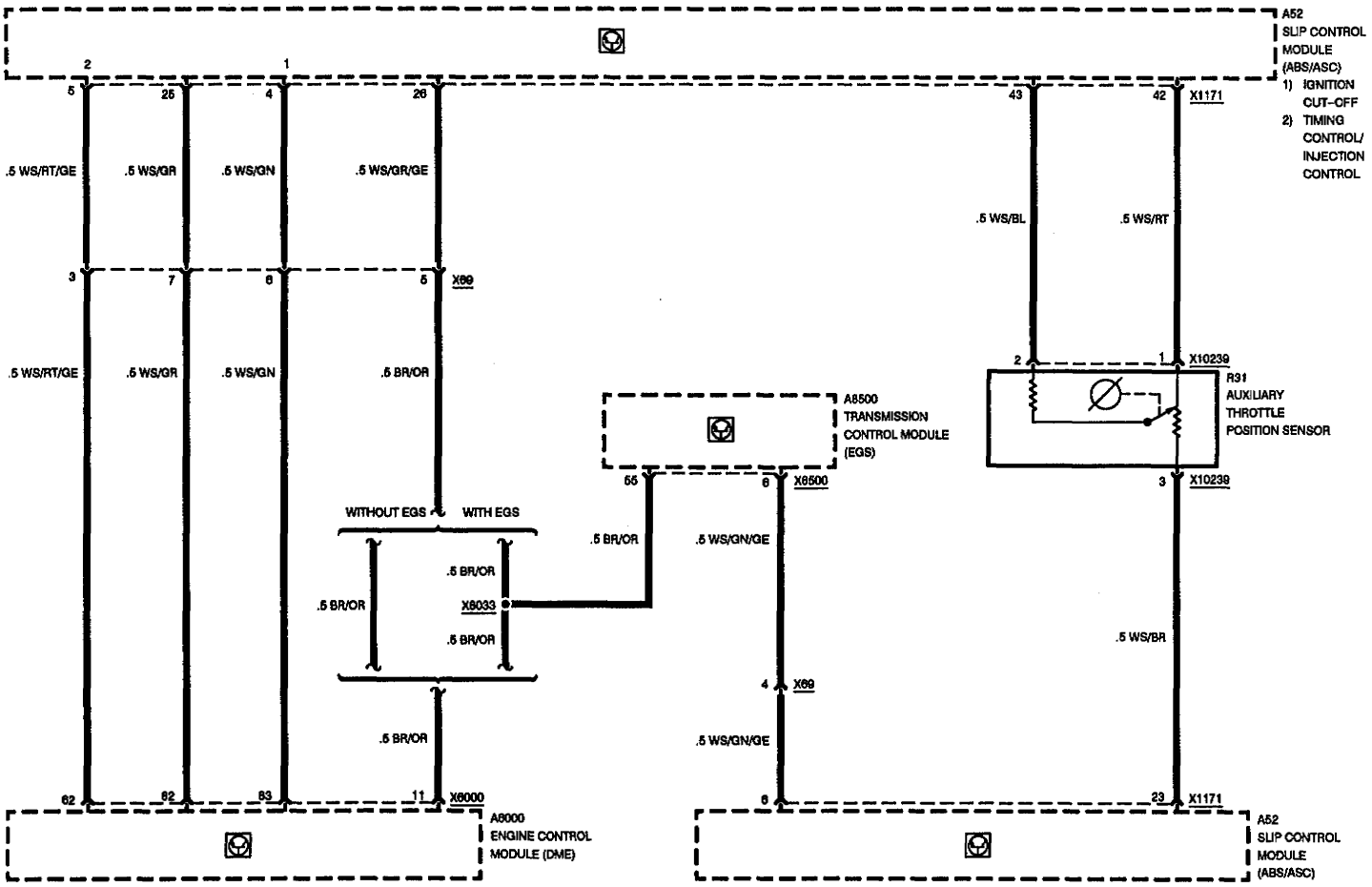
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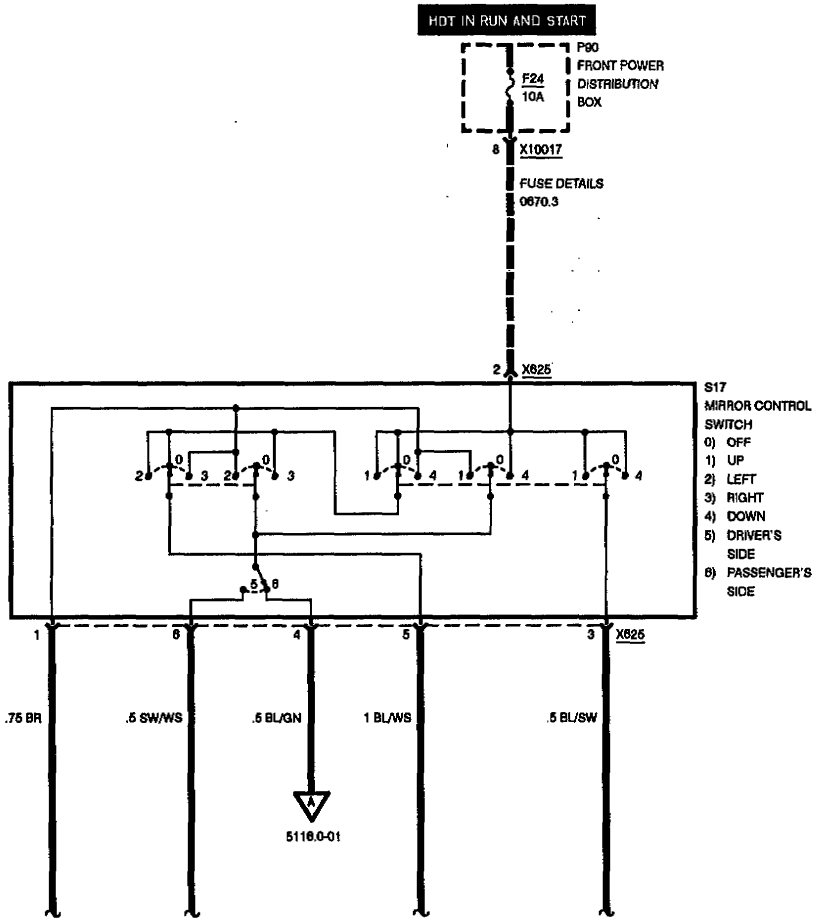
SLIP CONTROL (ABS/ASC)

325i

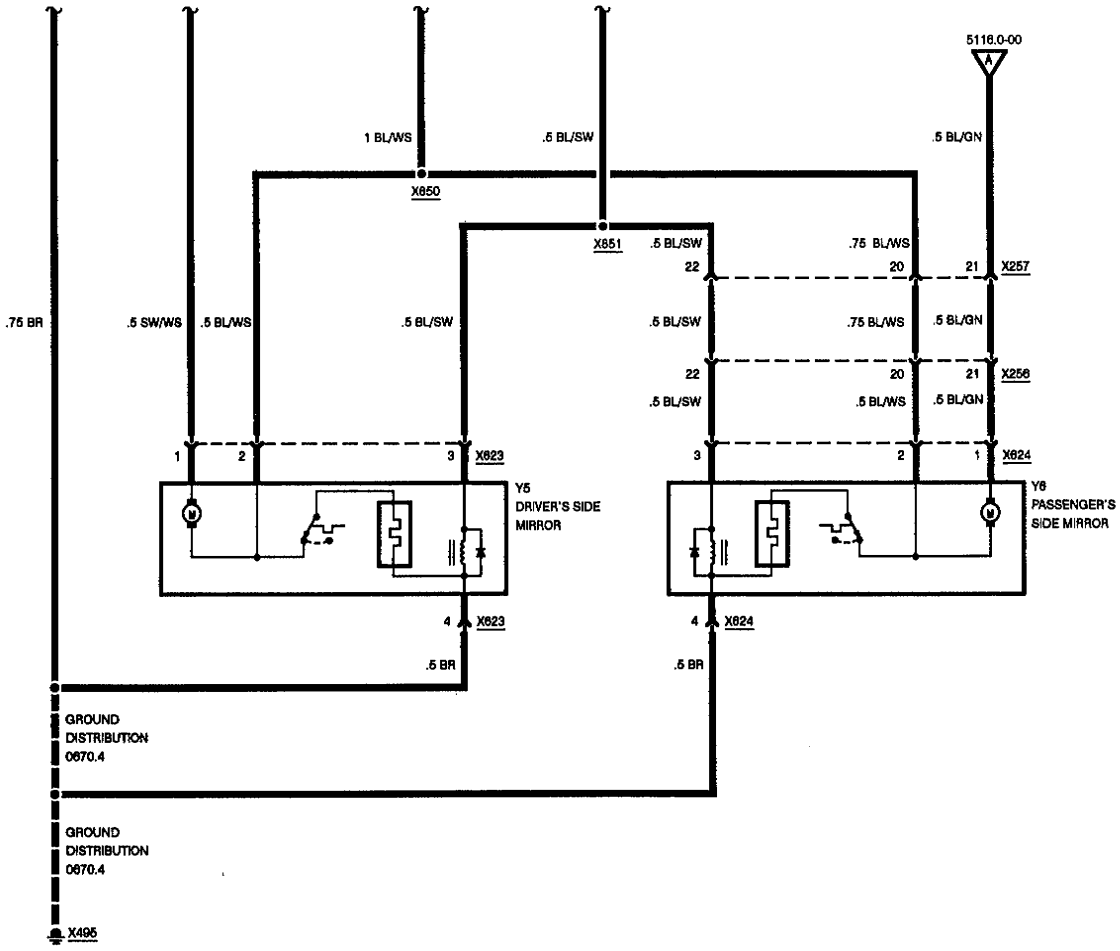


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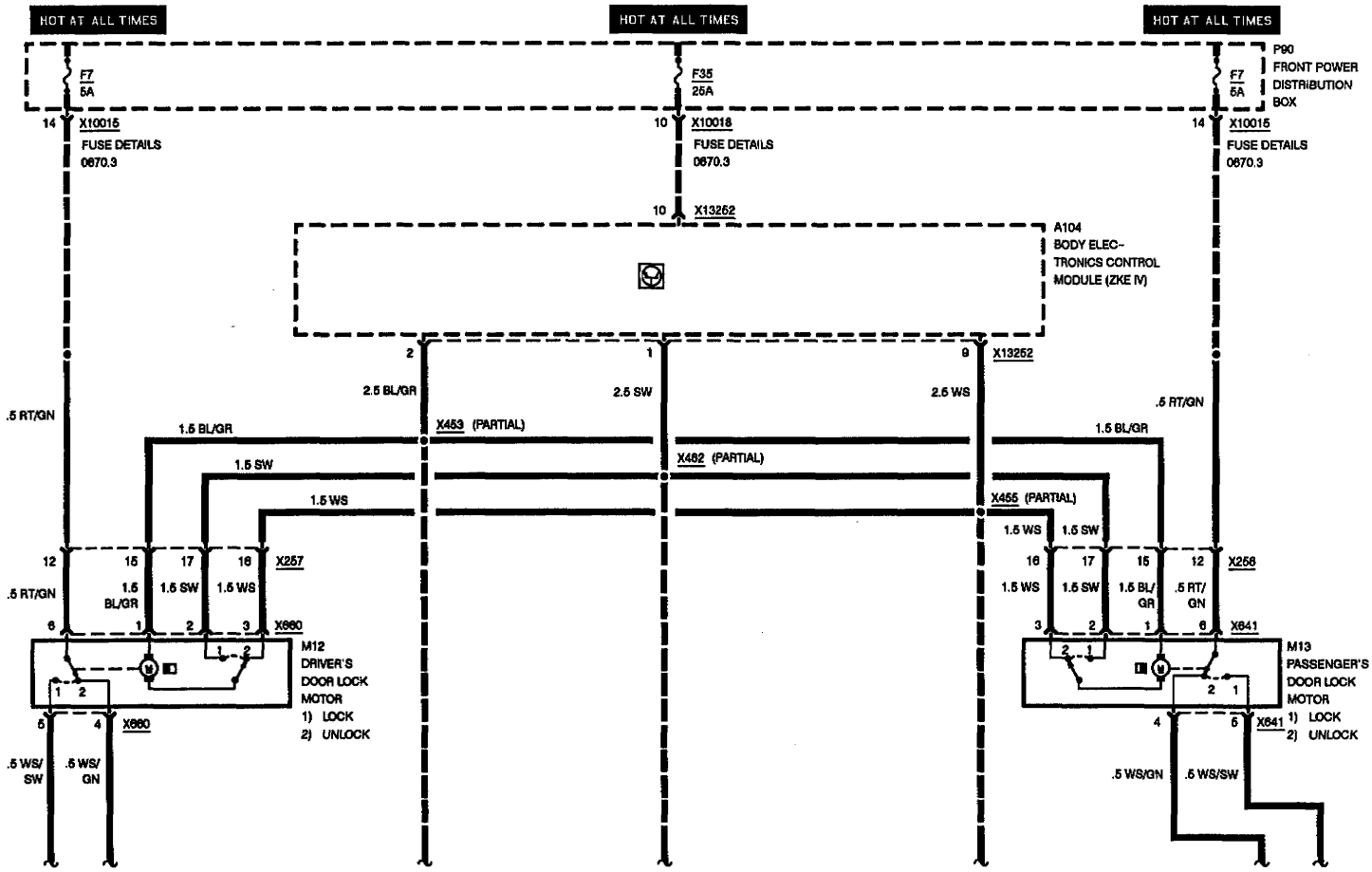
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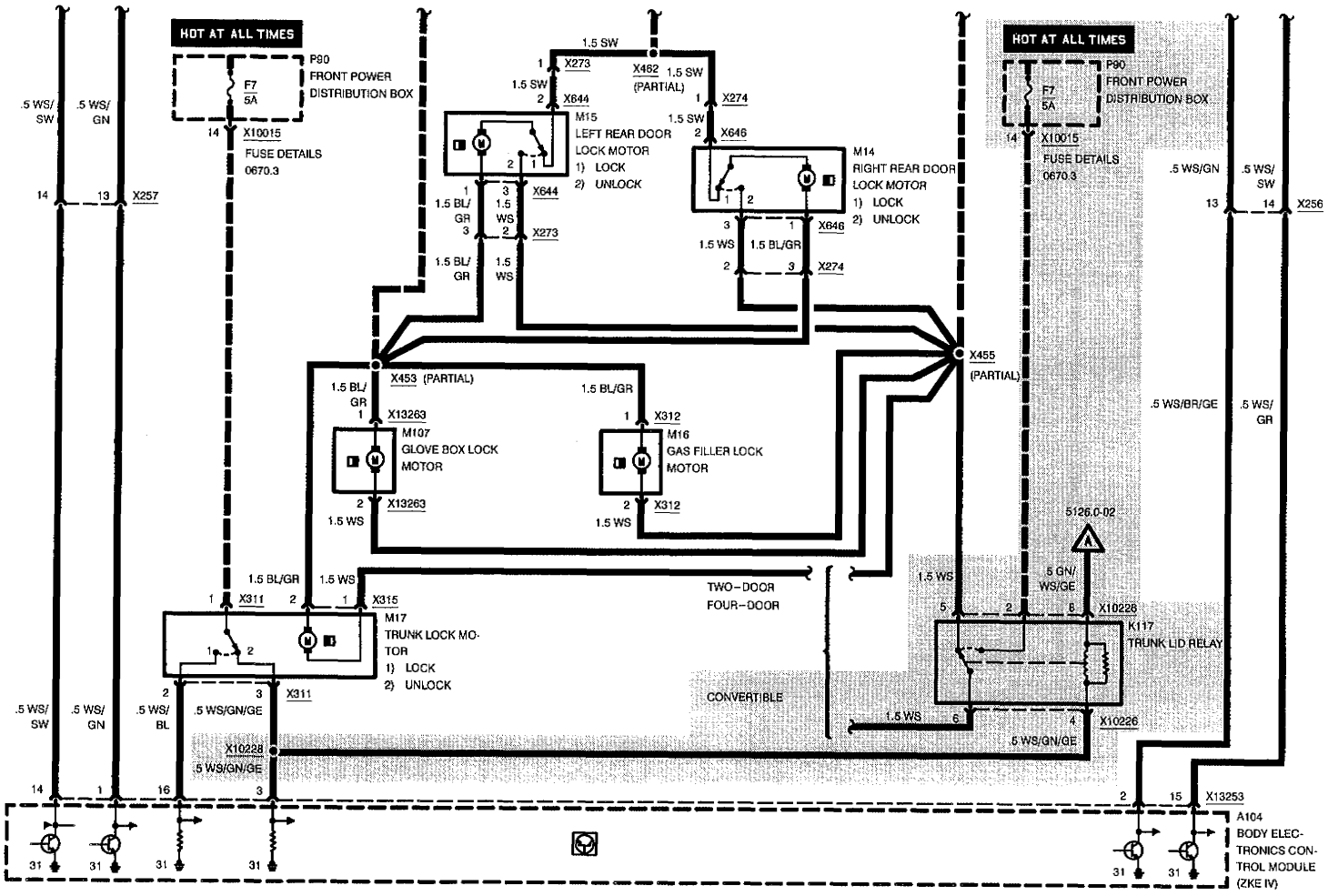
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ZKE CENTRAL LOCKING (ZV)

OUTPUT DETAILS

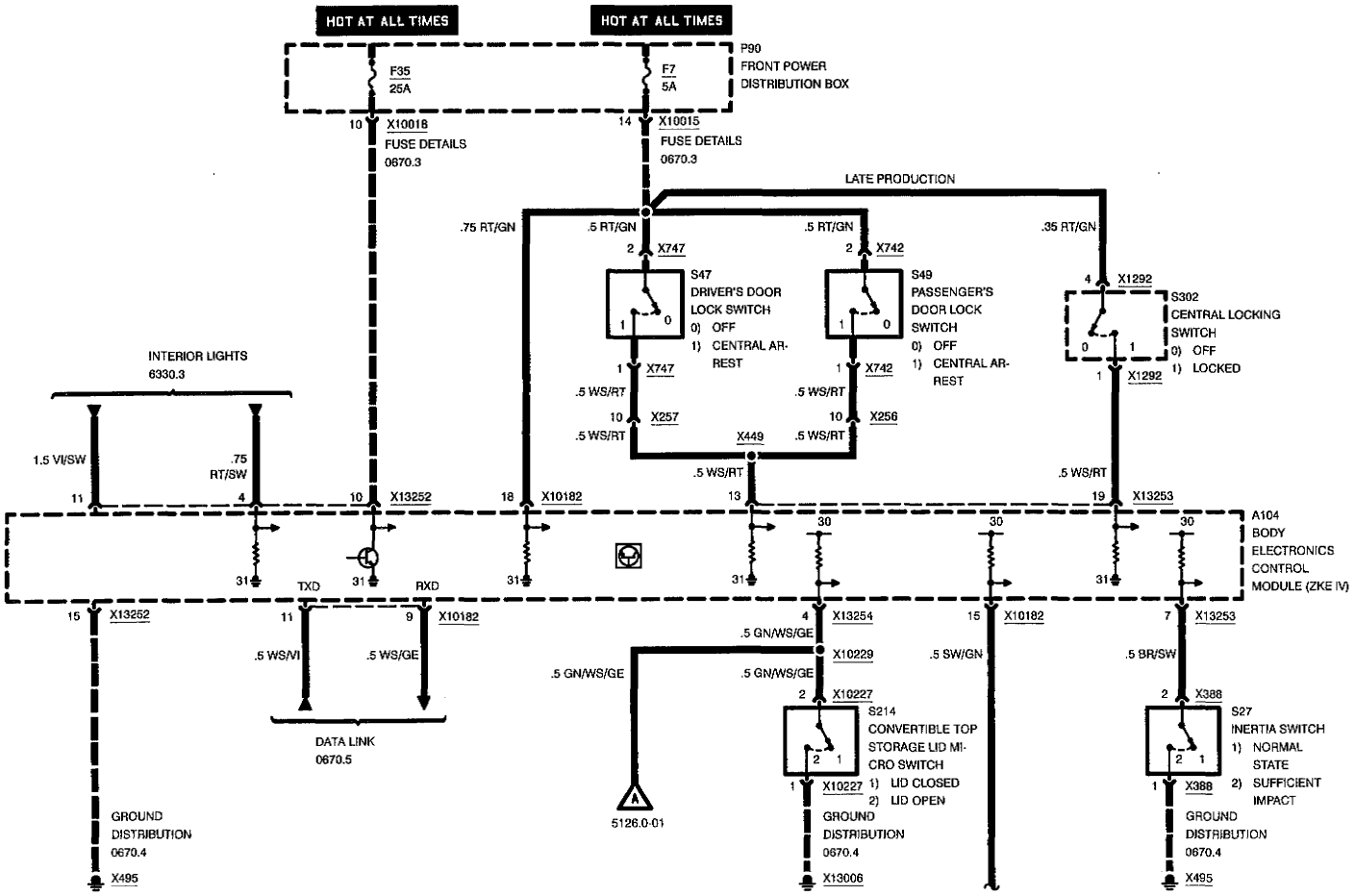


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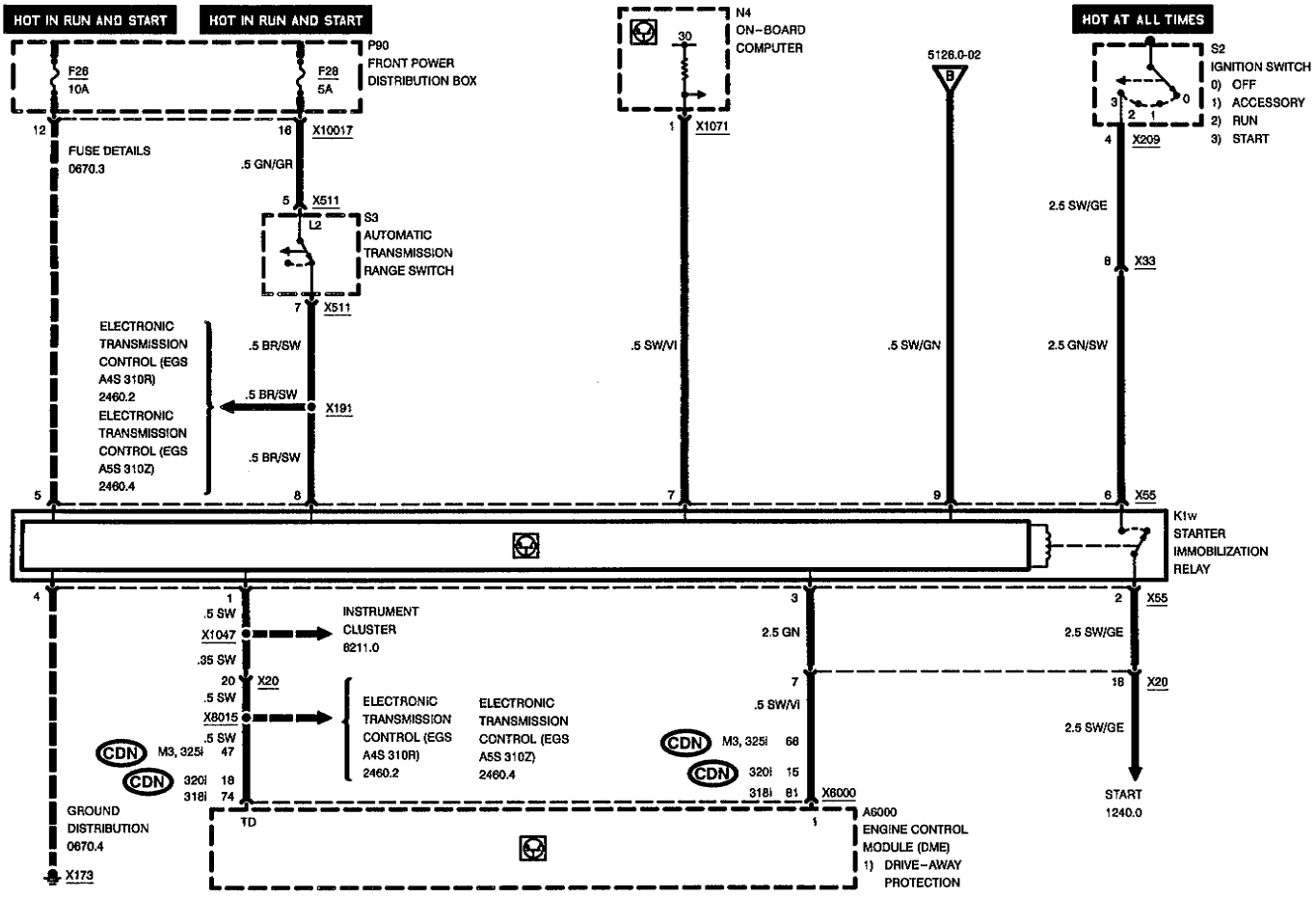


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ZKE CENTRAL LOCKING (ZV)

DRIVE–AWAY PROTECTION

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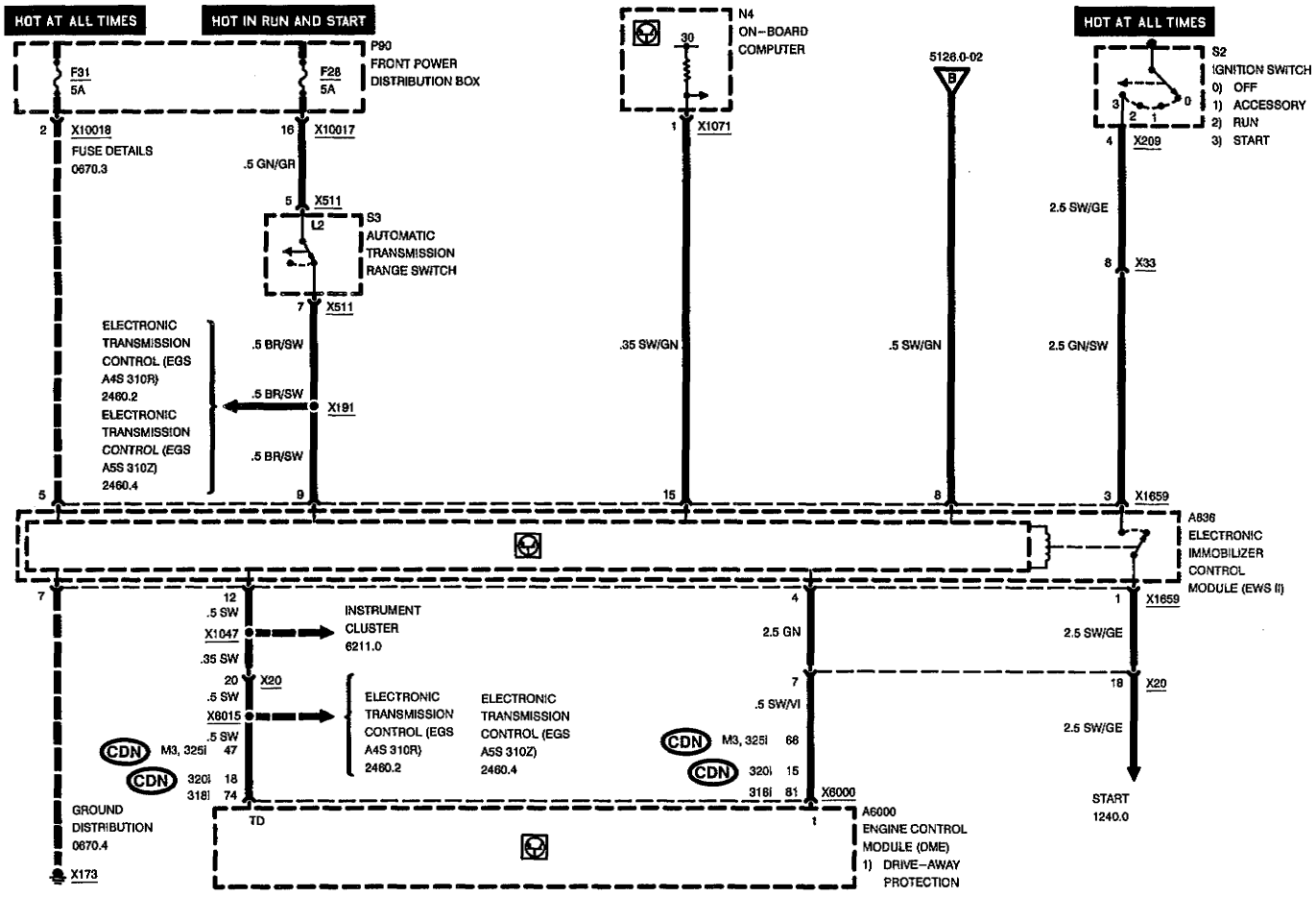
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ZKE CENTRAL LOCKING (ZV)

DRIVE–AWAY PROTECTION

LATE PRODUCTION

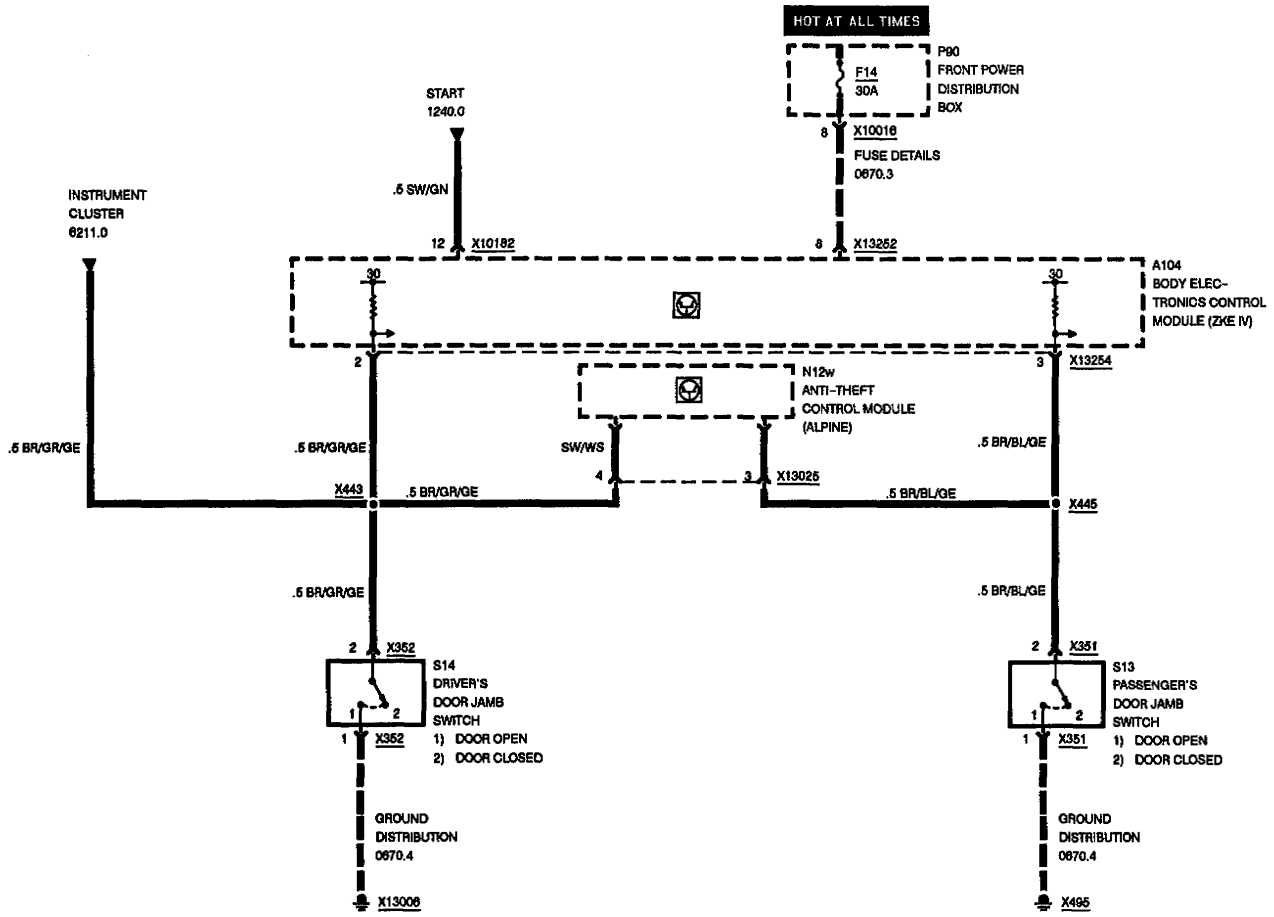


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POWER WINDOWS (FH)

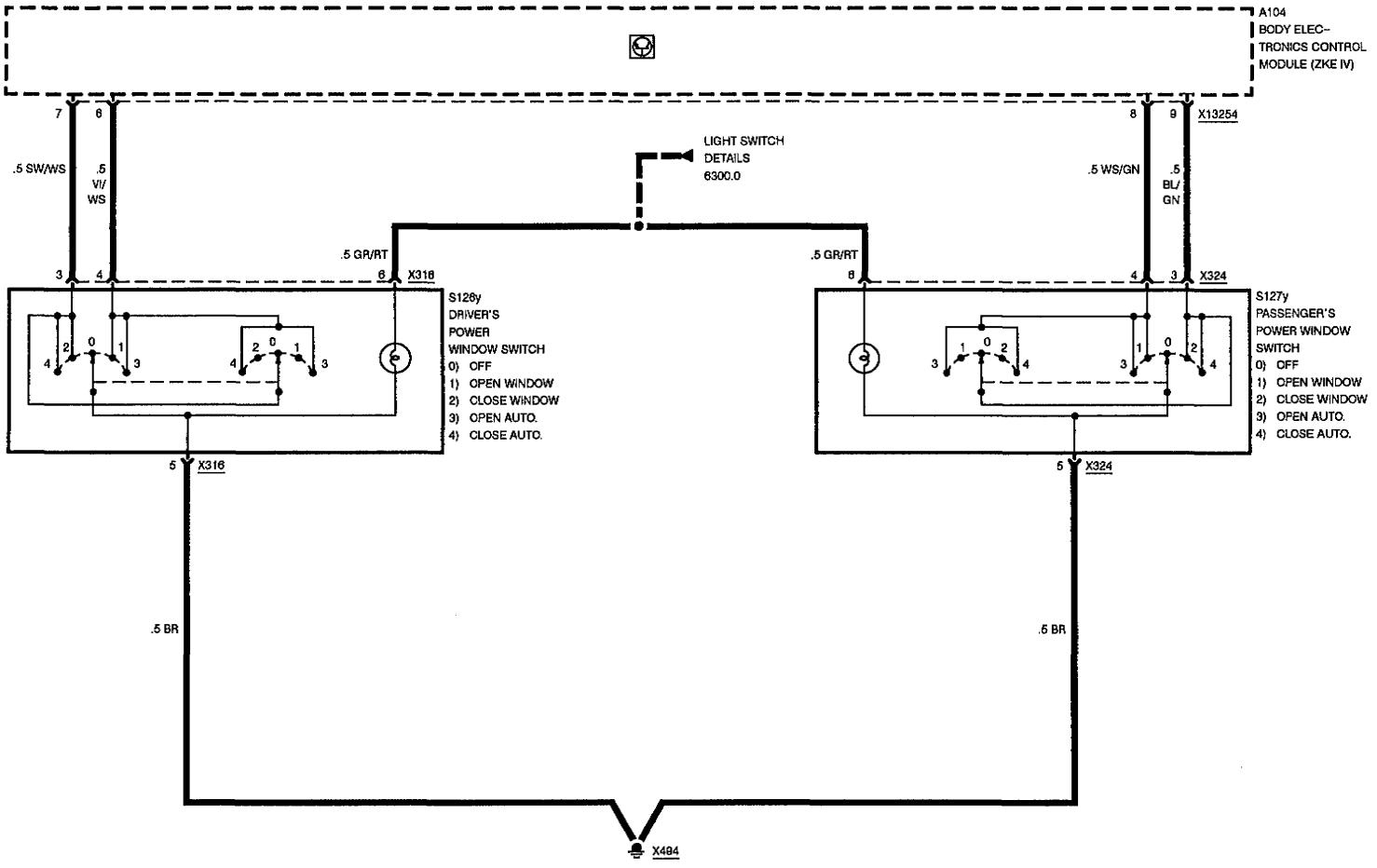
INPUT DETAILS



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POWER WINDOWS (FH)

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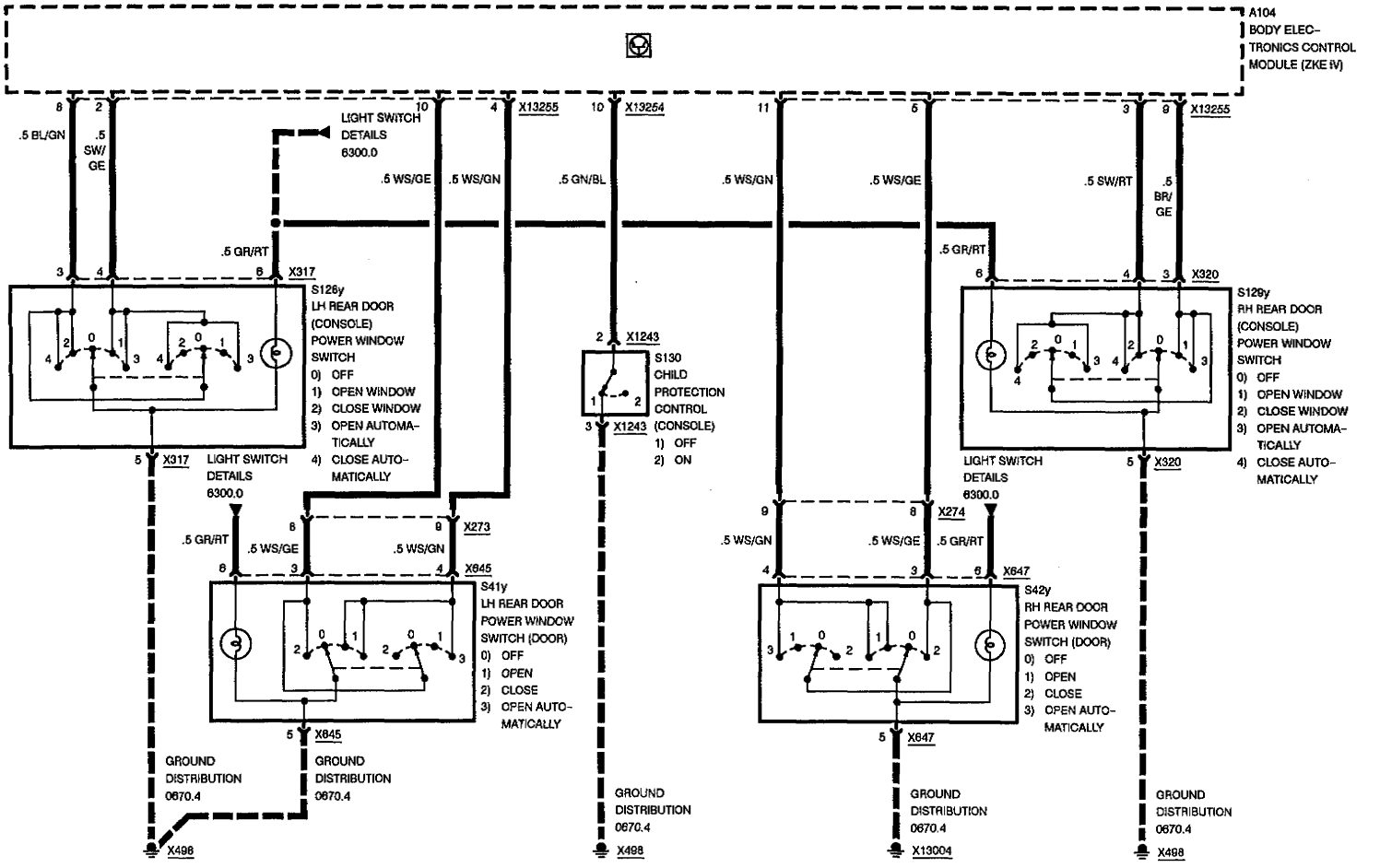


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POWER WINDOWS (FH)

INPUT DETAILS

FOUR-DOOR

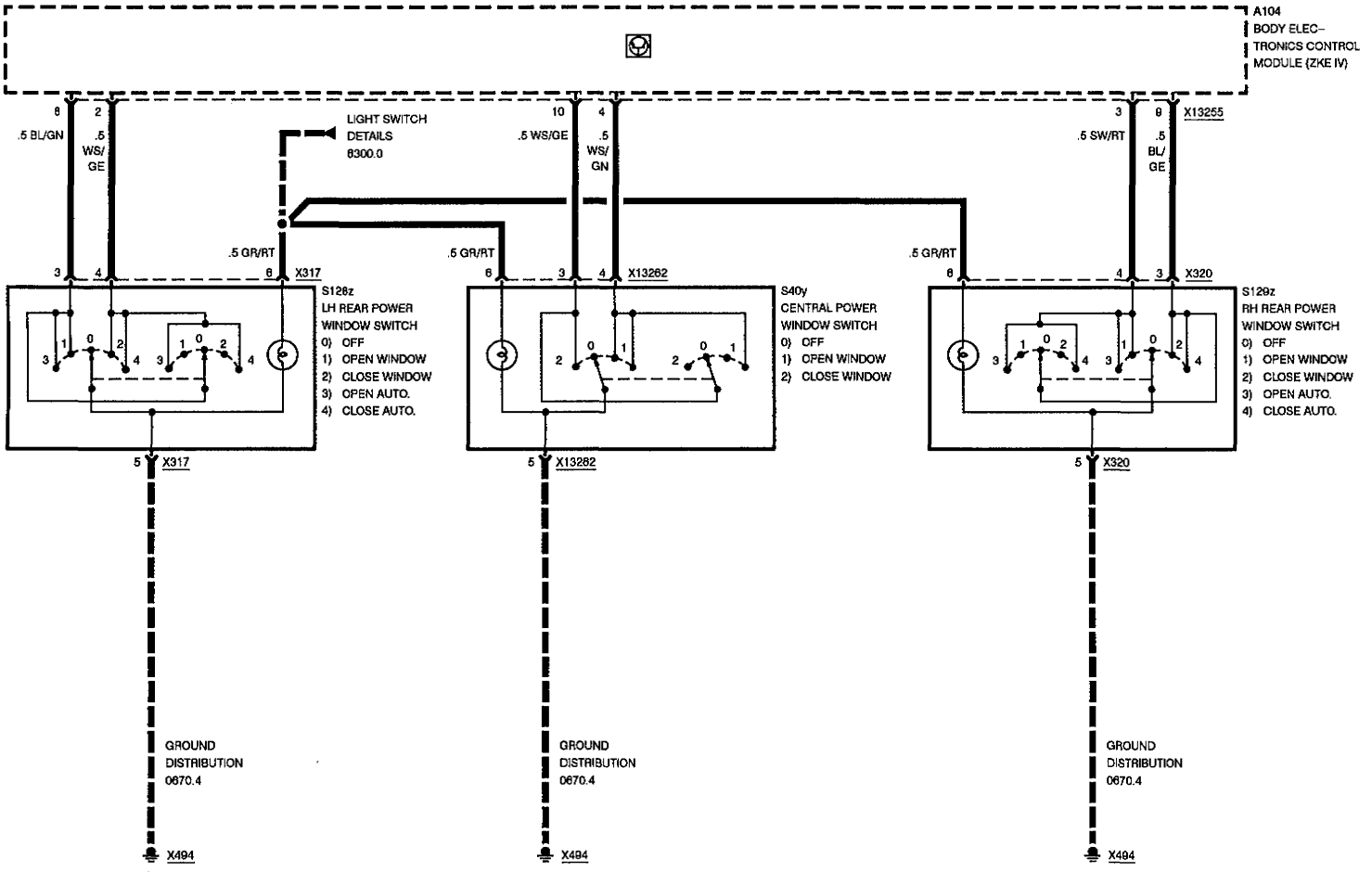


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POWER WINDOWS (FH)

TWO-DOOR

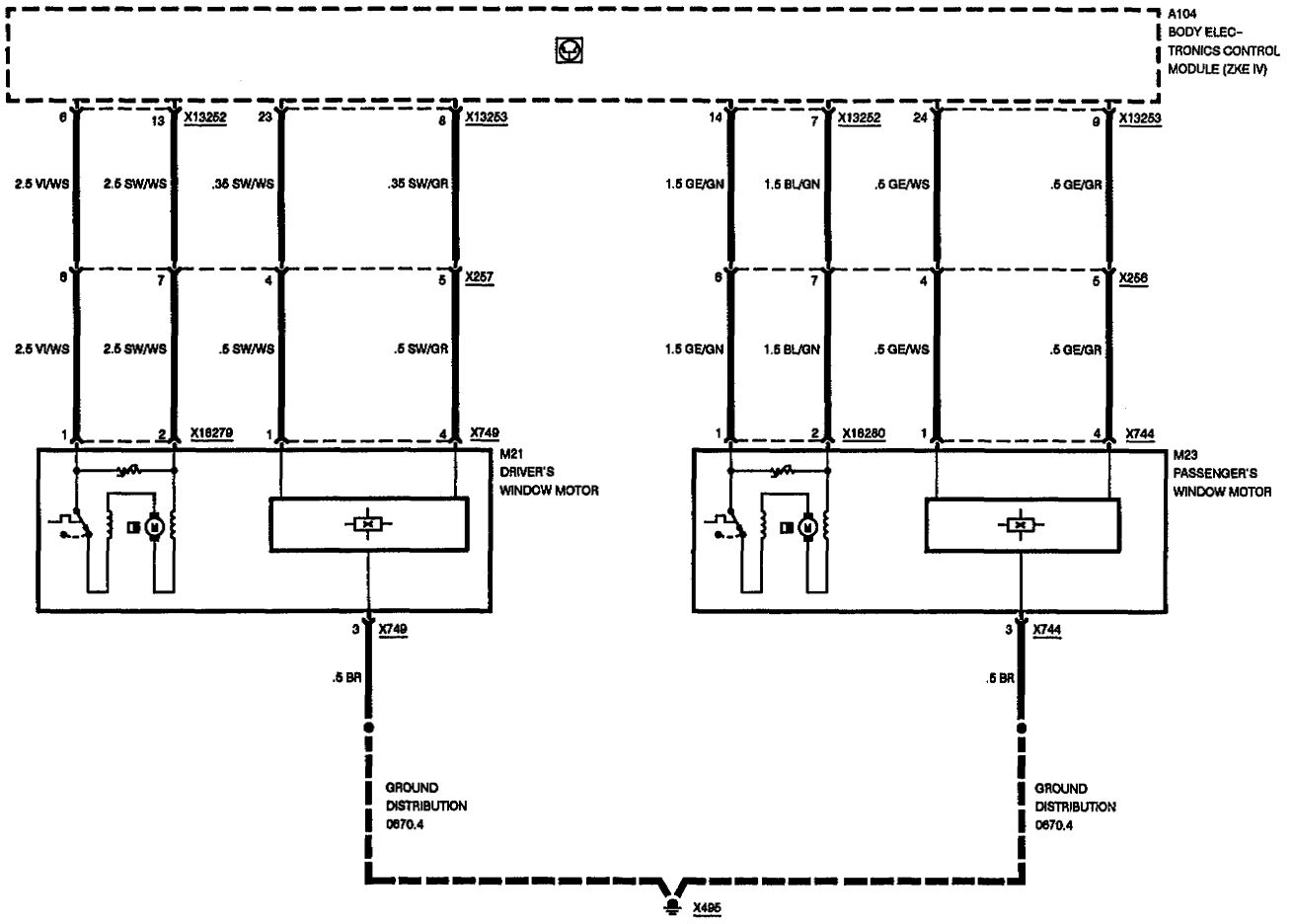
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POWER WINDOWS (FH)

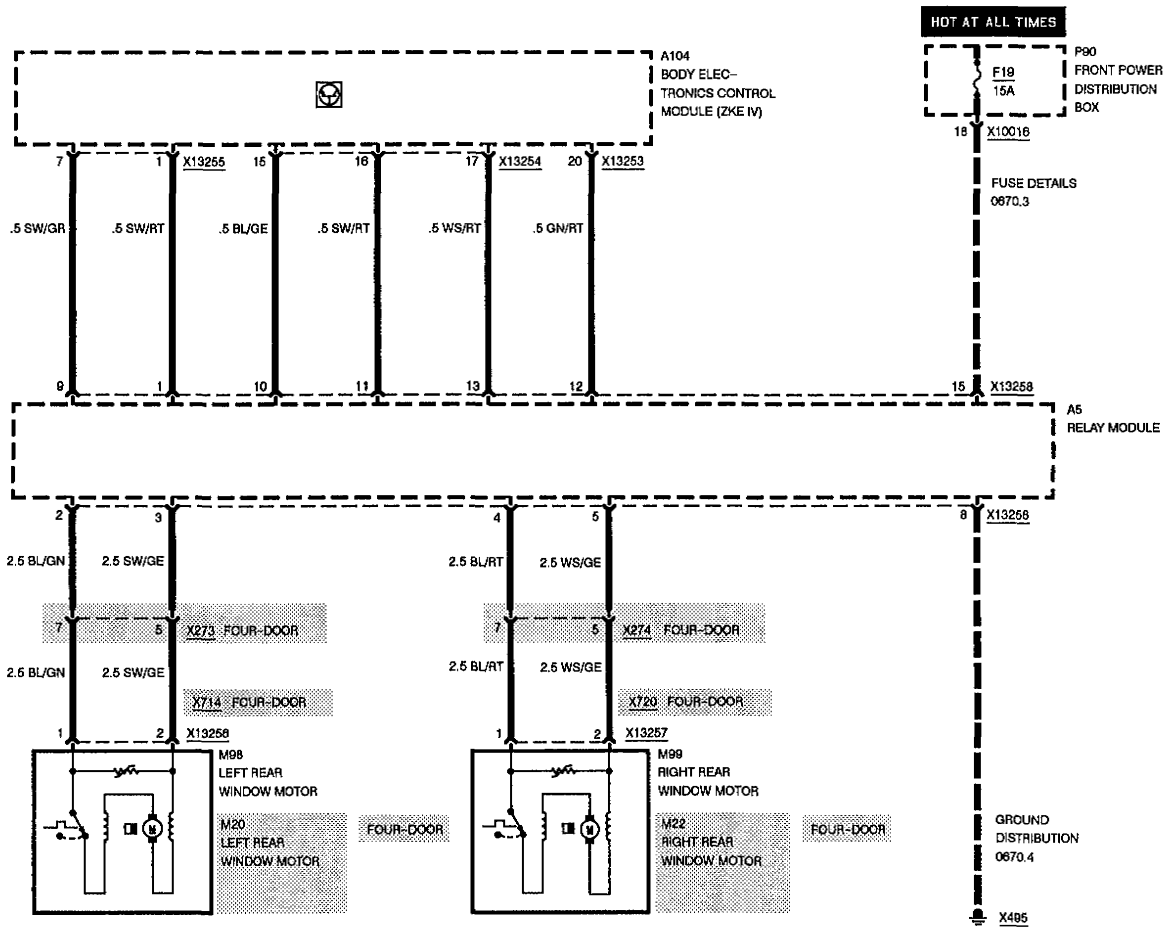
OUTPUT DETAILS



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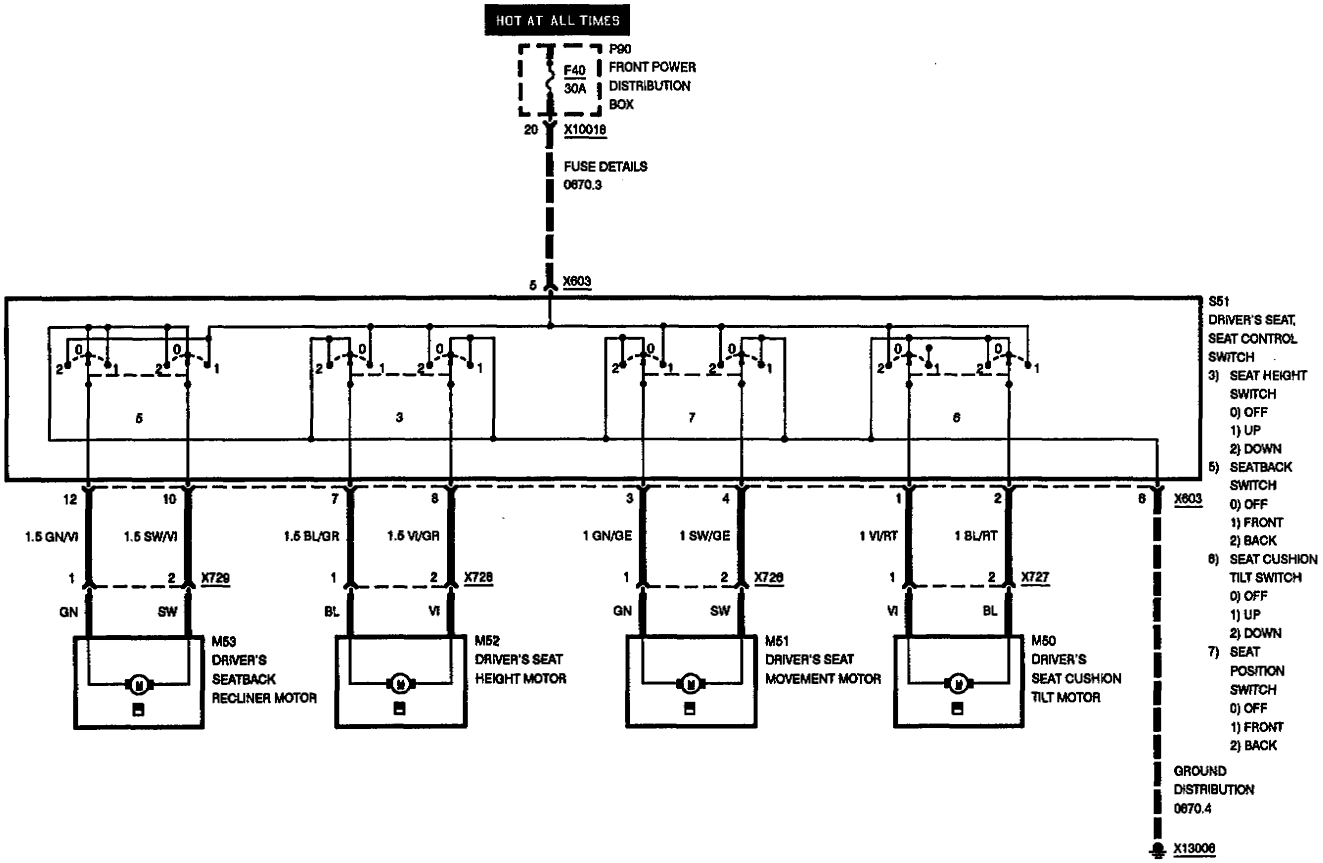
POWER WINDOWS (FH)

OUTPUT DETAILS



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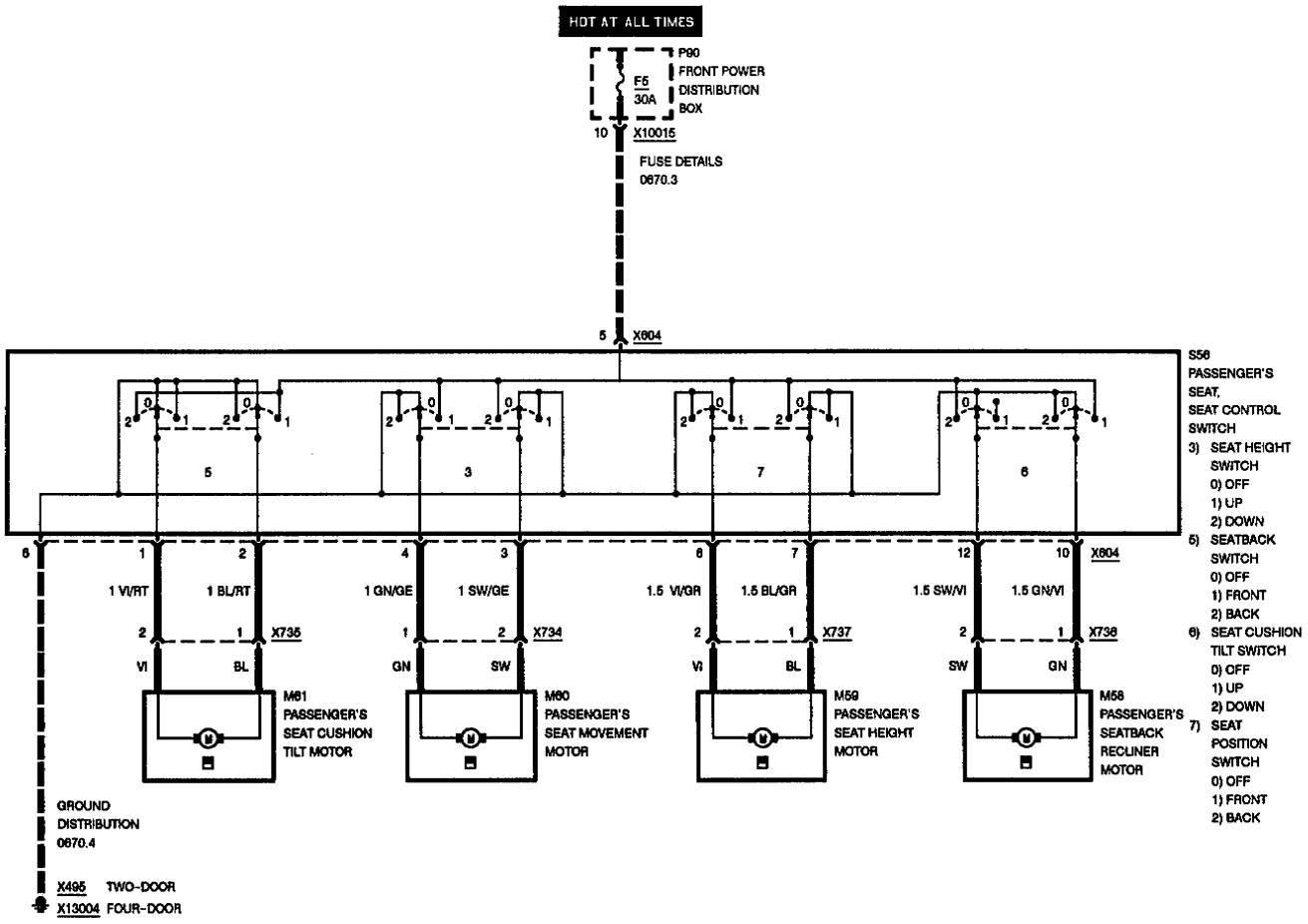
POWER SEATS
DRIVER'S SEAT



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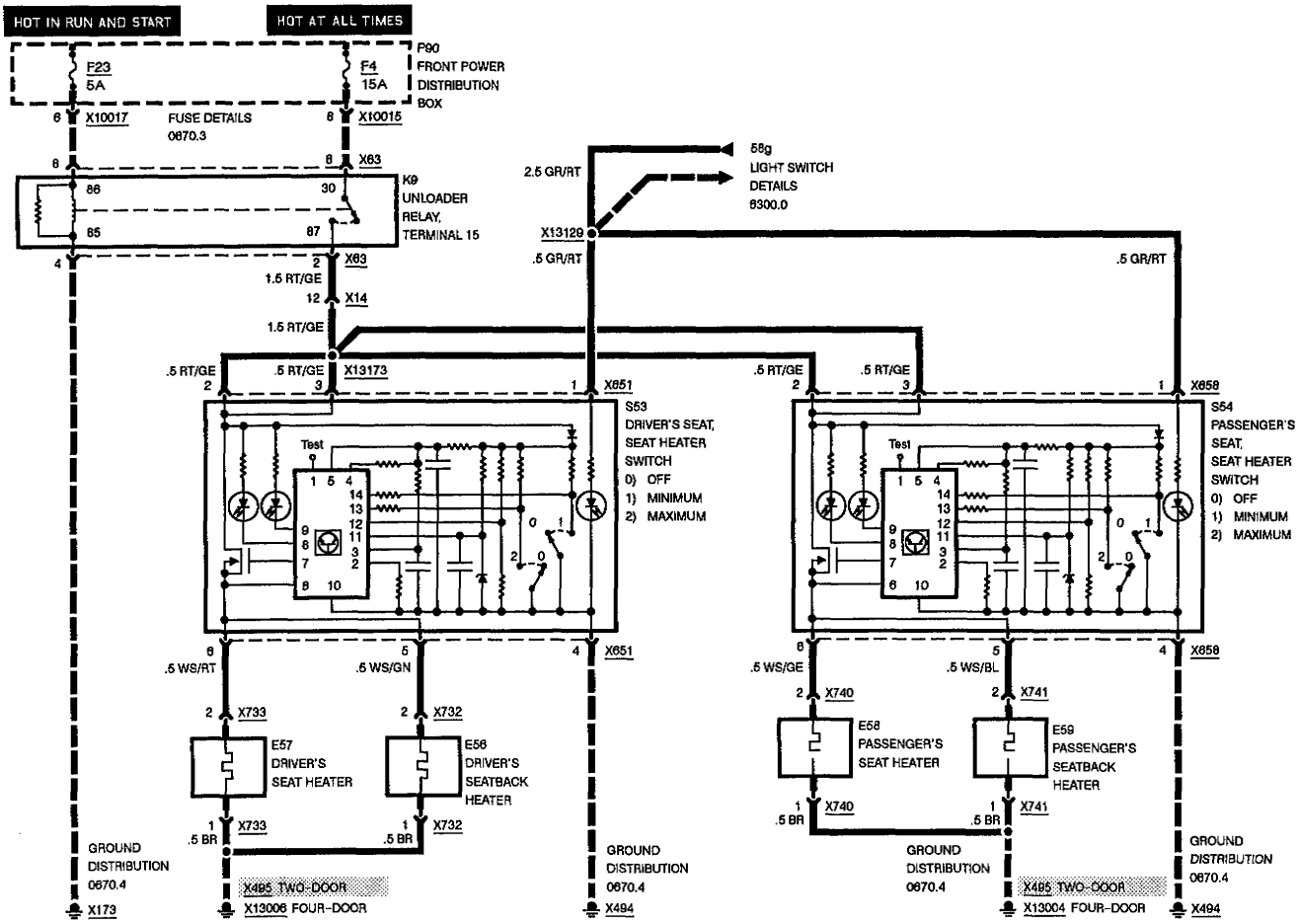
POWER SEATS

PASSENGER'S SEAT



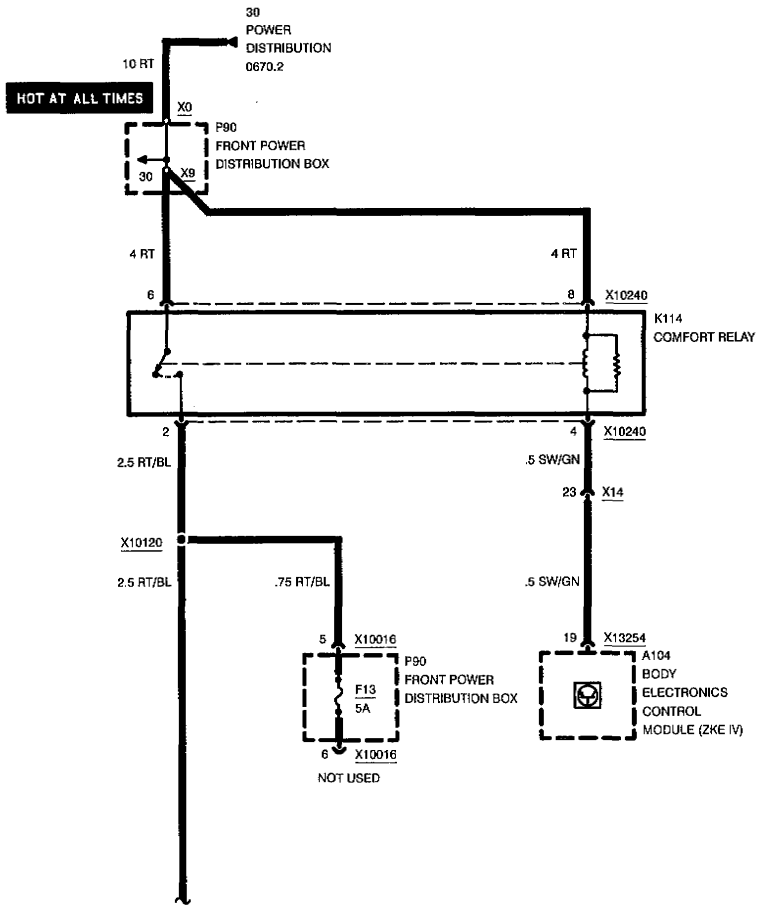
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HEATED SEATS



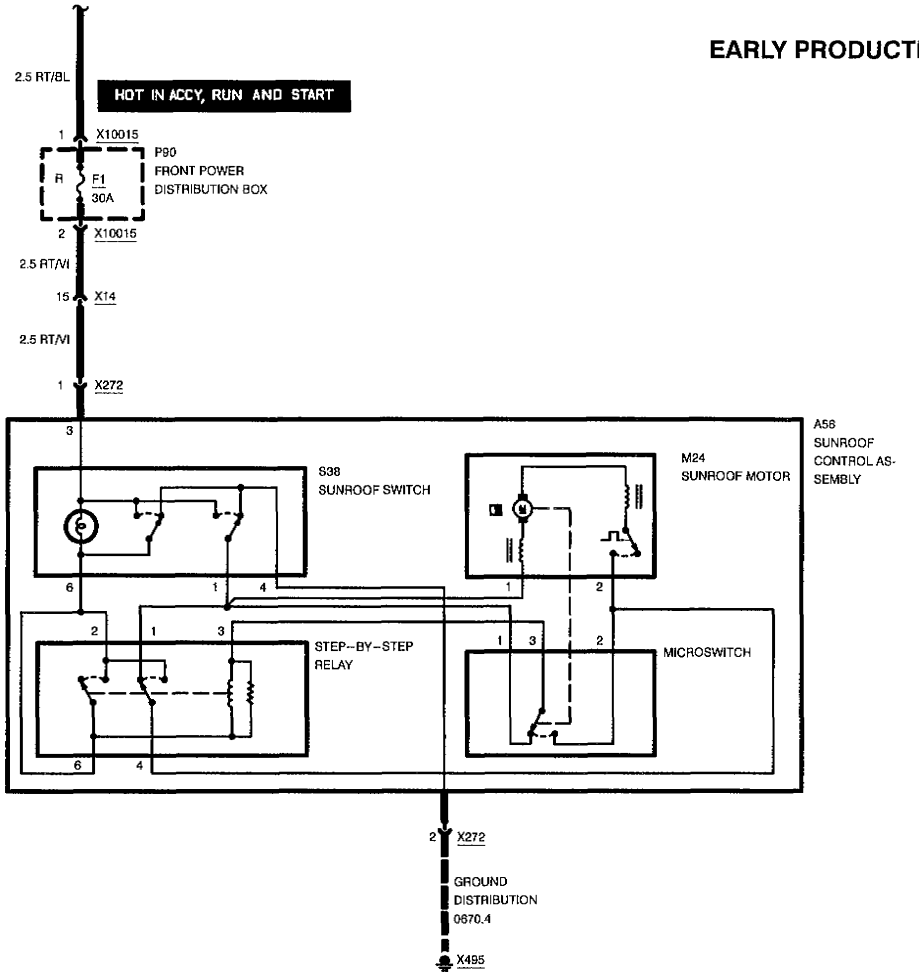
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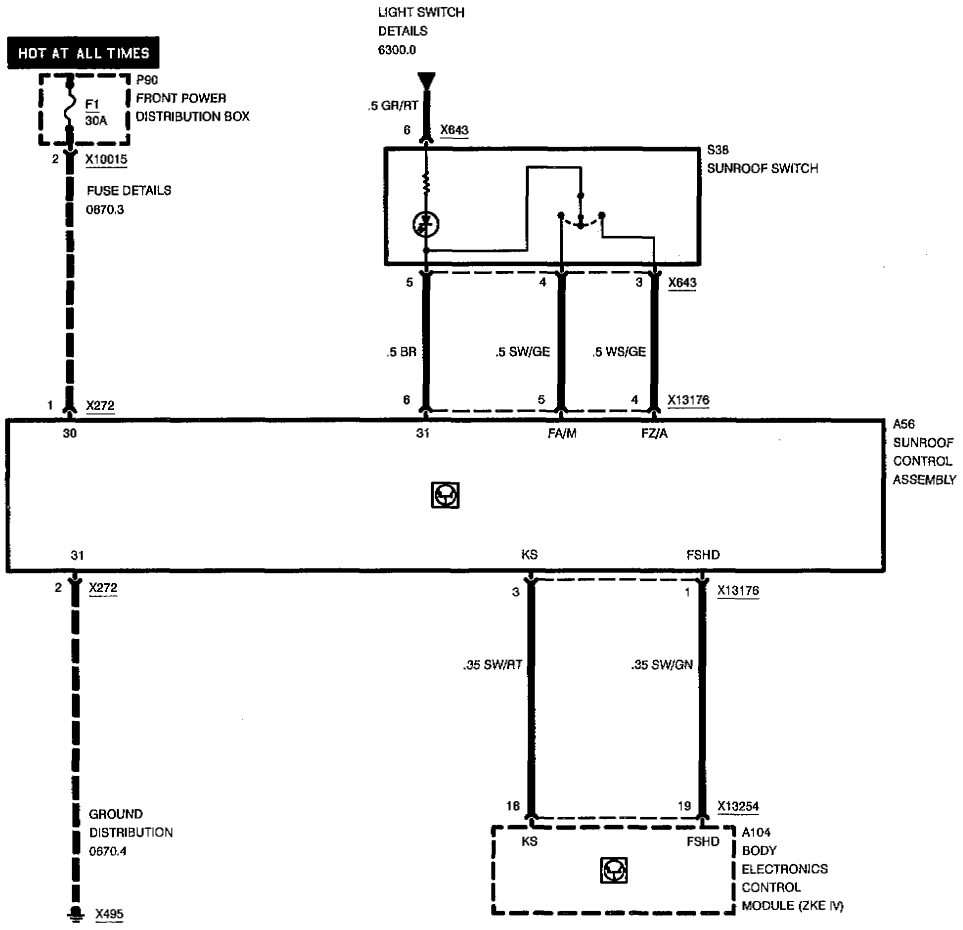


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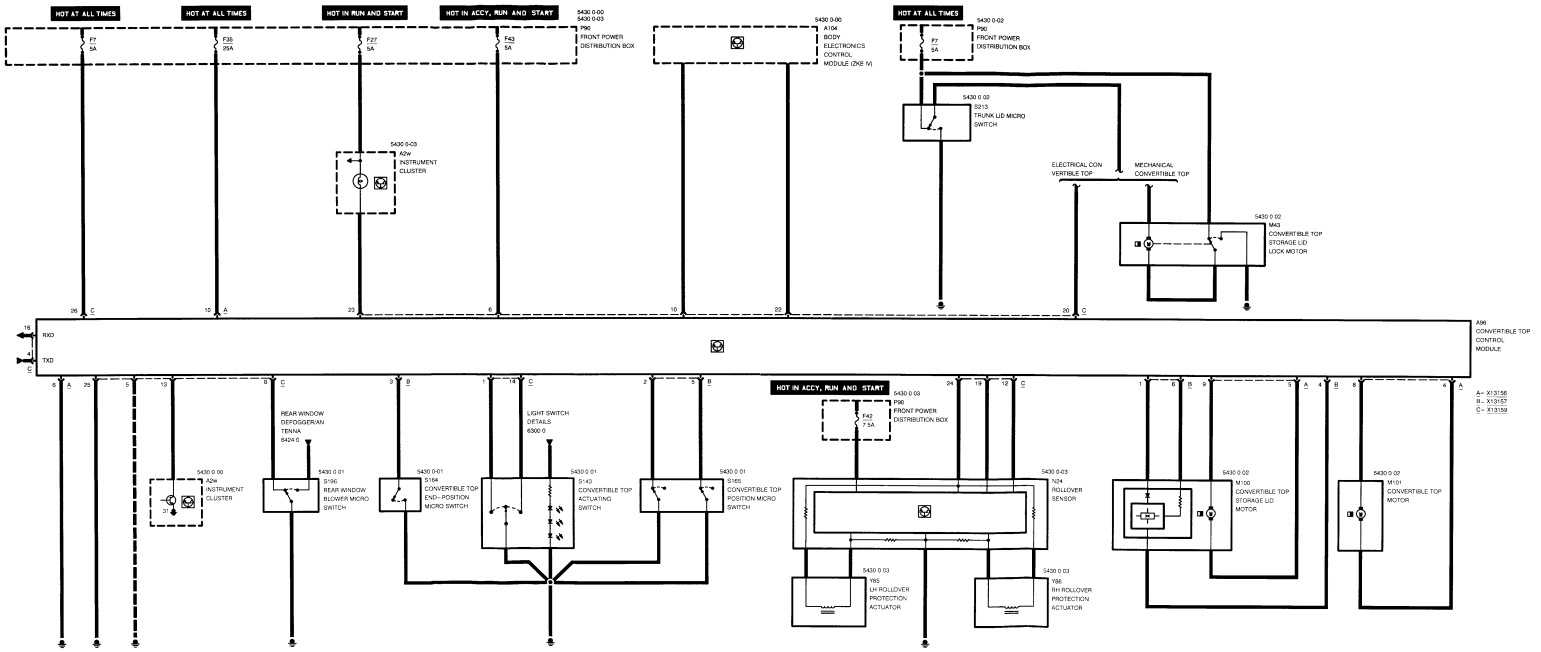


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Pin Assignments

A = X13156
B = X13157
C = X13159

X13156

Pin	Type	Description/Function	Connection
1		Not used	
2		Not used	
3		Not used	
4	E/A	Control signal	Convertible top motor
5	E/A	Control signal	Convertible top storage lid motor
6	M	Ground	Ground
7		Not used	
8	E/A	Control signal	Convertible top motor
9	E/A	Control signal	Convertible top storage lid motor
10	E	Plus supply 12V	Front power distribution box

X13157

Pin	Type	Description/Function	Connection
1	A	Plus supply	Position sensor (convertible top storage lid motor)
2	E	Position signal	Convertible top position micro switch
3	E	Position signal	Convertible top end position micro switch
4	E	Component ground	Position sensor (convertible top storage lid motor)
5	E	Position signal	Convertible top position micro switch
6	E	Control signal	Position sensor (convertible top storage lid motor)

E = Input, A = Output, M = Ground

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Pin Assignments

X13159

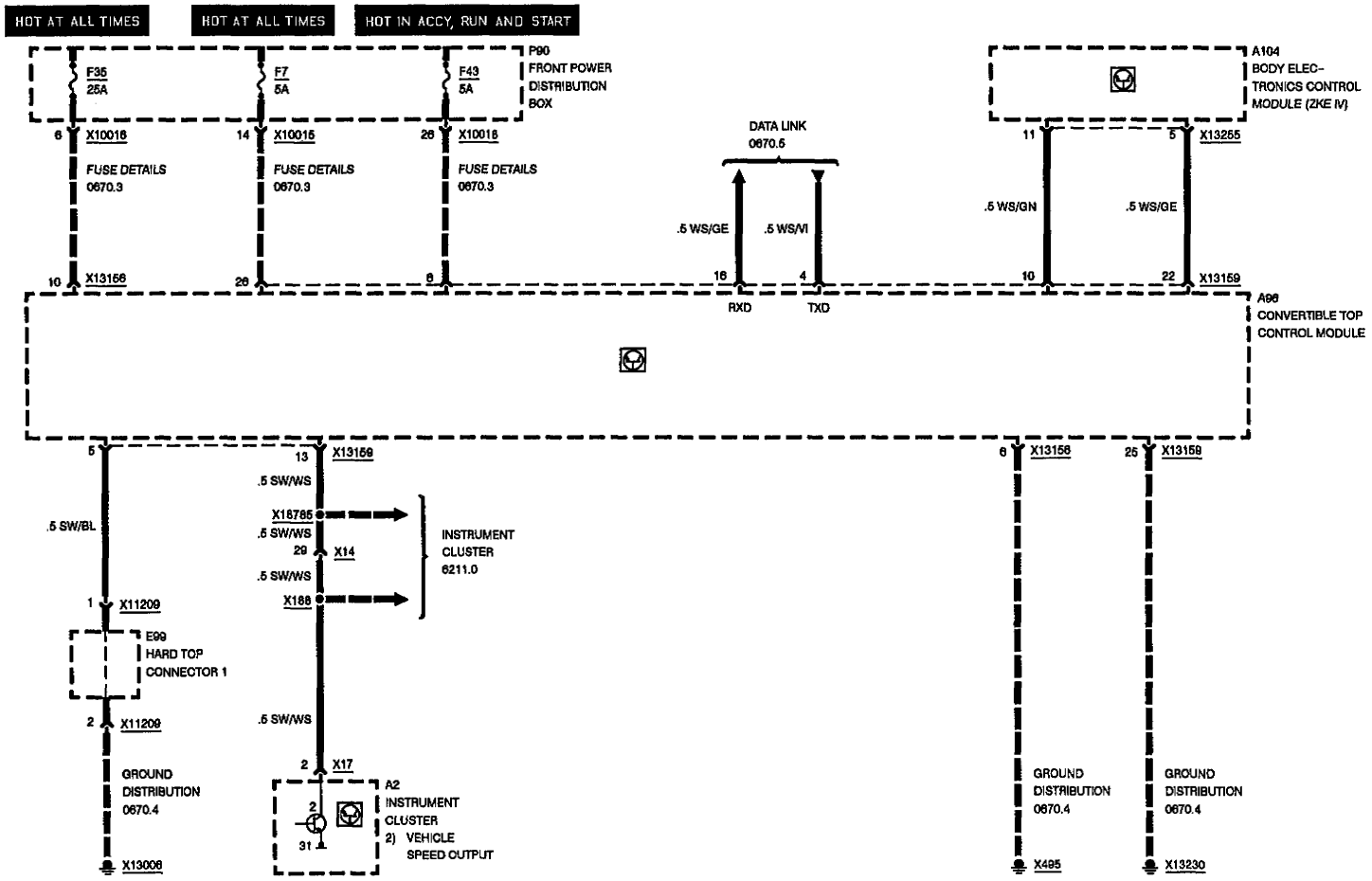
Pin	Type	Description/Function	Connection
1	E	Top open signal	Convertible top actuating switch
2		Not used	
3		Not used	
4	E/A	TxD data signal	Data link connector
5	M	Ground	Hard top connector 1
6	E	Power supply	Front power distribution box
7		Not used	
8	E	Rear window blower signal	Rear window blower micro switch
9		Not used	
10	A	Data signal	Body electronics control module
11		Not used	
12	A	Data signal	Roll over sensor
13	A	Speed signal	Instrument cluster
14	E	Top closed signal	Convertible top actuating switch
15		Not used	
16	A	RxD data signal	Data link connector
17		Not used	
18		Not used	
19	A	Data signal	Roll over sensor
20	E	Trunk lid signal	Trunk lid micro switch
21		Not used	
22	A	Data signal	Body electronics control module
23	A	Roll over signal	Instrument cluster
24	A	Data signal	Roll over sensor
25	M	Ground	Ground
26	E	Power supply	Front power distribution box

E = Input, A = Output, M = Ground

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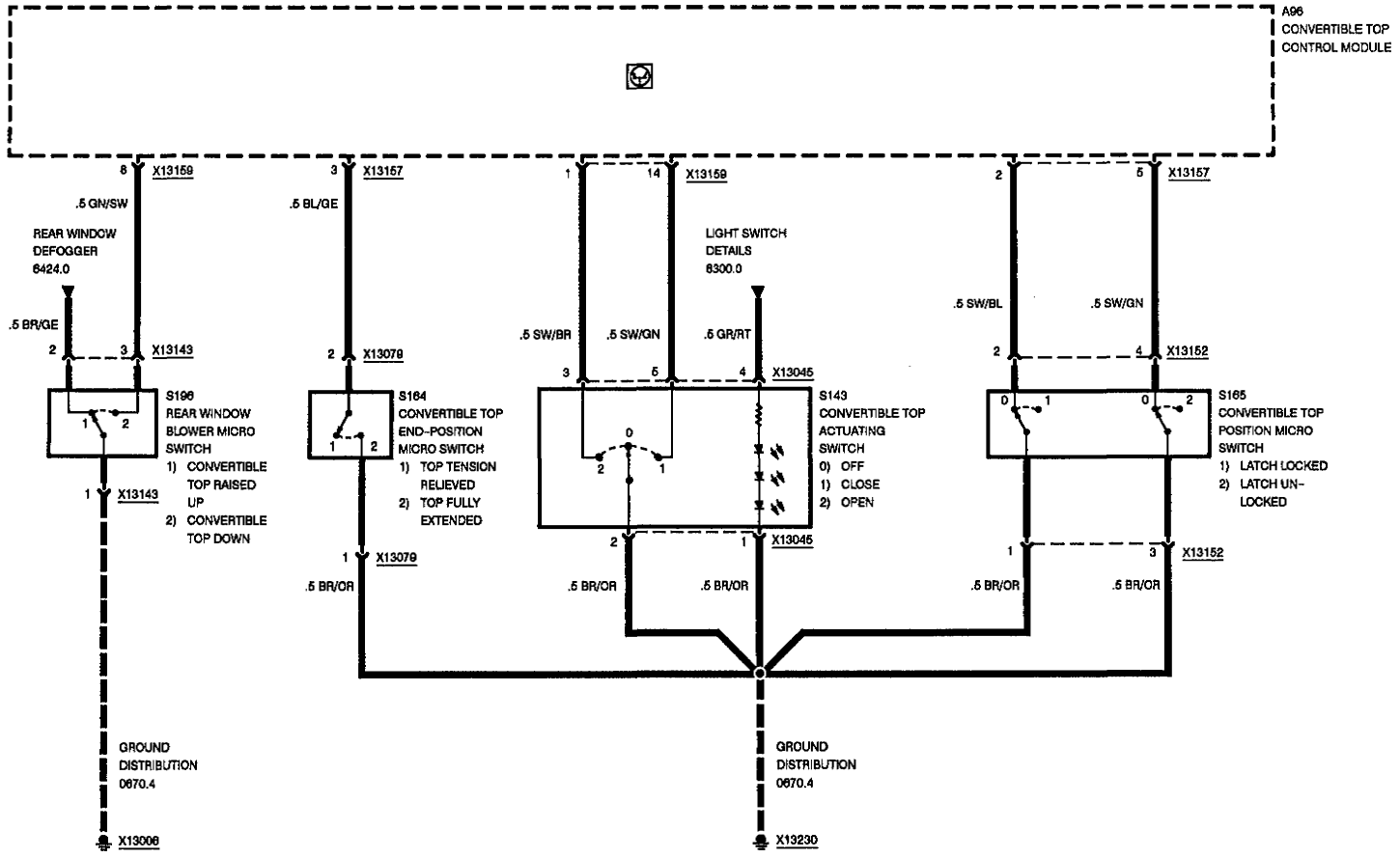
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ELECTRO- MECHANICAL CONVERTIBLE TOP



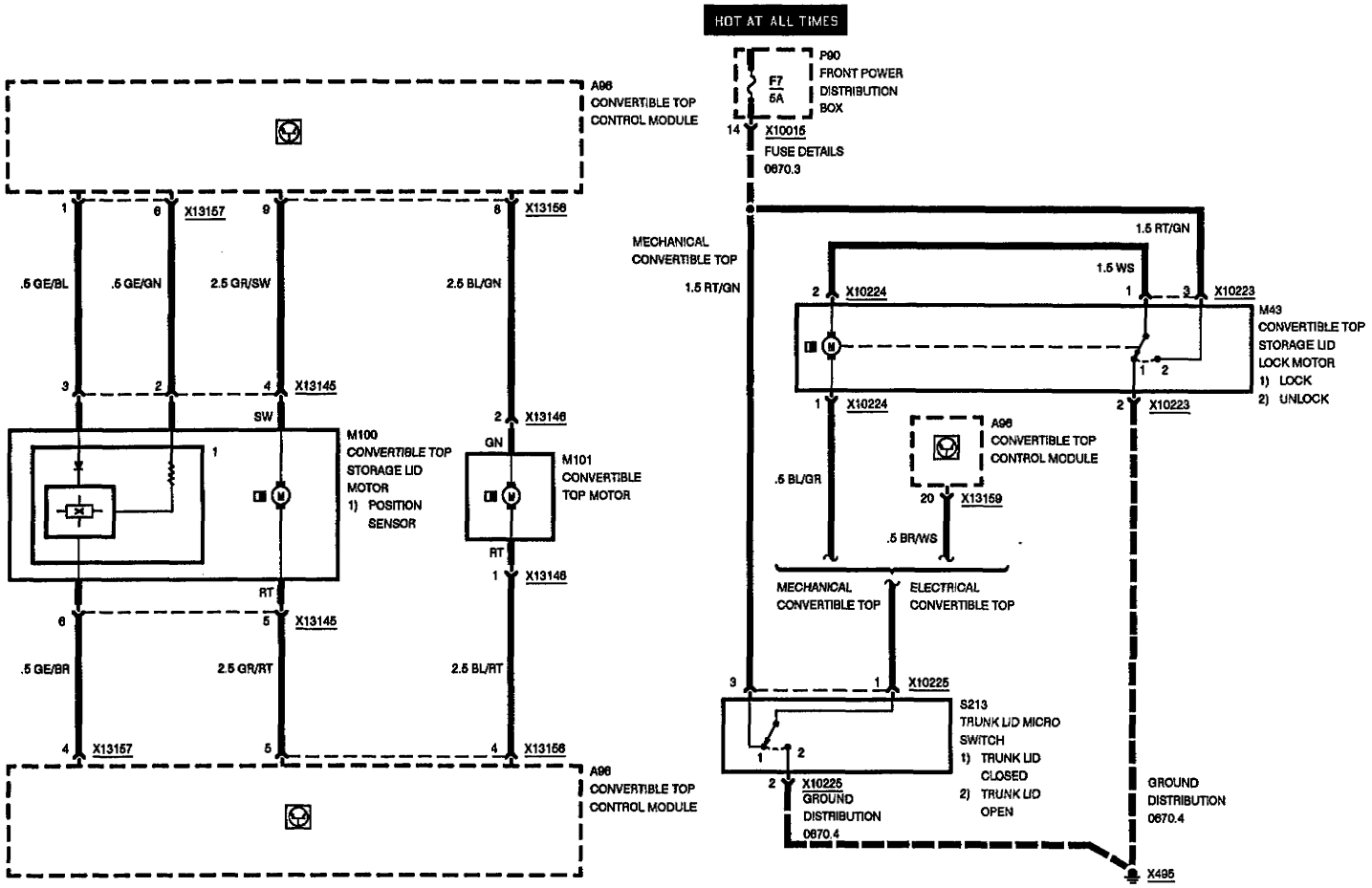
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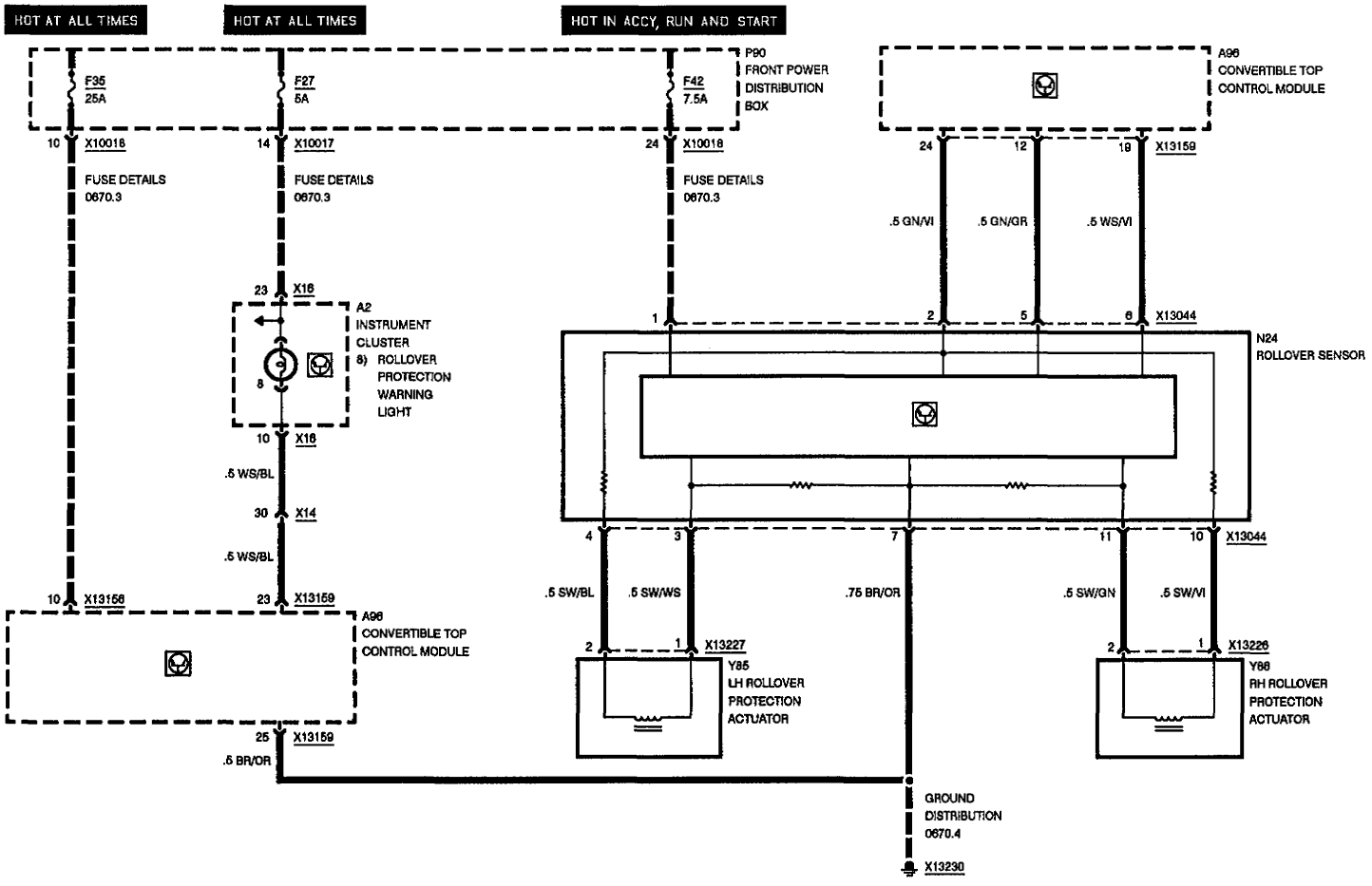
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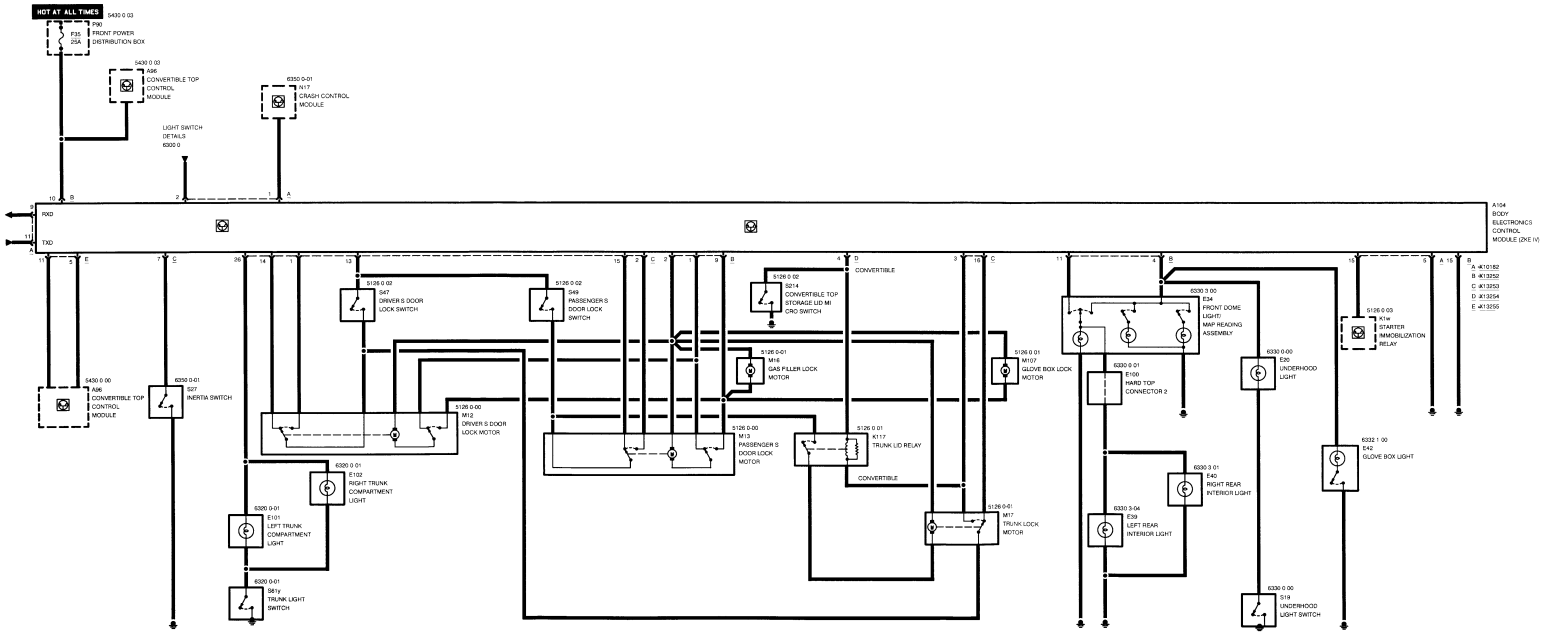
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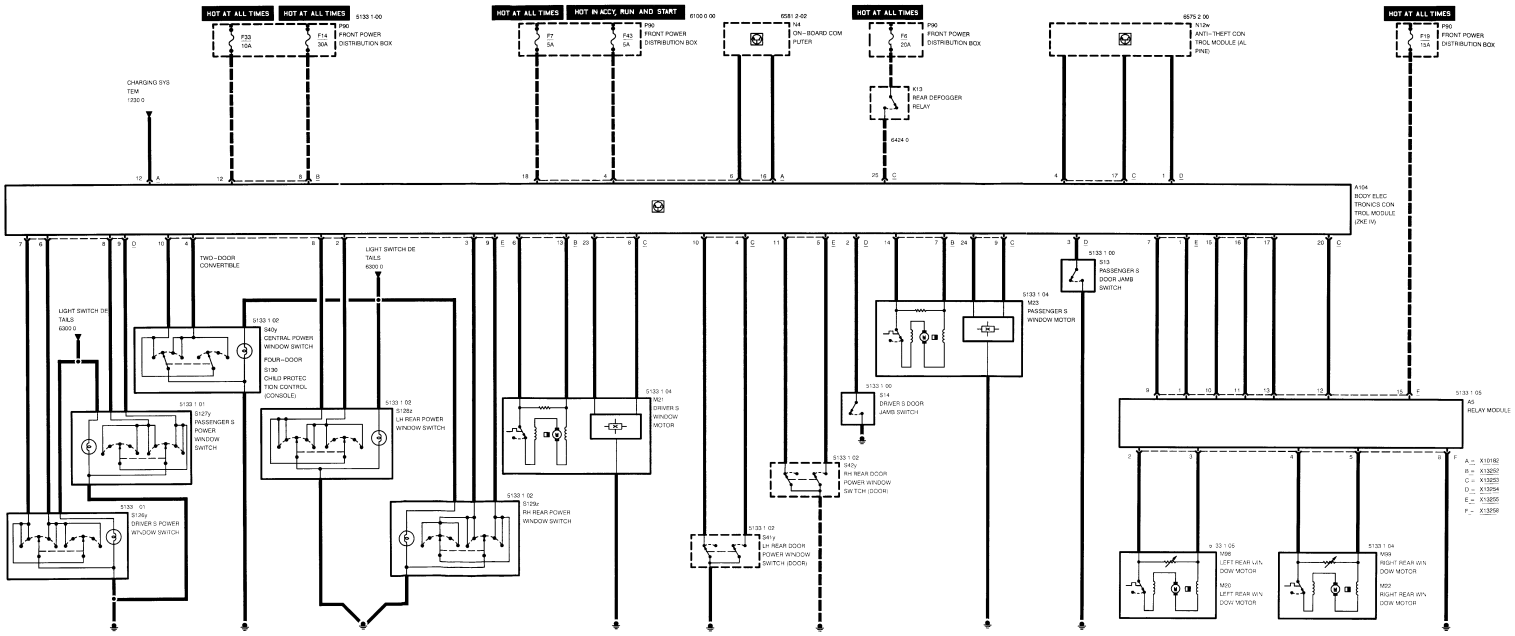
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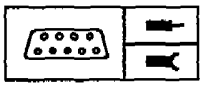
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Pin Assignments

A = X10182
B = X13252
C = X13253
D = X13254
E = X13255
F = X13258

X10182

Pin	Type	Description/Function	Connection
1	E	Crash signal	Crash control unit
2	E	Light signal	Light switch
3	E	Power supply	Front power distribution box
4	E	Power supply	Front power distribution box
5	M	Ground	Ground
6		Not used	
7	A	Anti-theft signal	Alpine alarm horn relay
8	E	Glove box signal	Glove box light
9	A	Diagnosis RxD - signal	Data Link connector
10		Not used	
11	E/A	Diagnosis TxD - signal	Data link connector
12	E	KL30h	Starter
13		Not used	
14		Not used	
15	A	Drive away protection	Starter immobilization Relay
16		Not used	
17	E	Hood signal	Hood micro switches
18	E	Power supply	Front power distribution box

E = Input, A = Output, M = Ground

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Pin Assignments

X13252

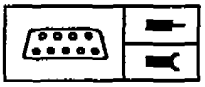
Pin	Type	Description/Function	Connection
1	E	Power lock signal	Door lock motors
2	A	Voltage supply	All lock motors
3		Not used	
4	E	Automatic interior light signal	Interior light
5		Not used	
6	A	Voltage supply	Power window motor driver's door
7	A	Voltage supply	Power window motor passenger's door
8	E	Power supply	Front power distribution box
9	E	Lock signal	Lock motor & trunk lid relay
10	E	Power supply	Front power distribution box
11	A	Voltage supply	Interior lights, engine comp light glove box light
12	E	Power supply	Front power distribution box
13	E	Motor signal	Power window motor driver's door
14	E	Motor signal	Power window motor passenger's door
15	M	Ground	Ground

X13253

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

E = Input A = Output, M = Ground

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Pin Assignments

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

X13254

Pin	Type	Description/Function	Connection
1		Not used	
2	E	Door - signal	Door jamb switch driver's door
3	E	Door - signal	Door jamb switch passenger s door
4	E	Convertible trunk lid signal Four-door door-signal	Trunk lid switch/trunk lid relay Door jump switch left rear
5	E	Door signal	Door jump switch right rear
6	E	OPEN - signal	Power window switch driver's door
7	E	CLOSE - signal	Power window switch driver's door
8	E	OPEN - signal	Power window switch passenger's door
9	E	CLOSE - signal	Power window switch passenger's door
10	E	Four-door child protection signal	child protection switch
11		Not used	

E = Input, A = Output M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
12		Not used	
13		Not used	
14	E	Trunk lid signal	Trunk lid switch
15	A	DATA - signal	Relay module
16	A	DATA - signal	Relay module
17	A	DATA - signal	Relay module
18	A	Convertible DATA - signal	Convertible top control module
19	A	Four-door CORRECT - signal	Comfort relay
20		Not used	
21	A	Convertible DATA - signal	Convertible top control module
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	

X13255

Pin	Type	Description/Function	Connection
1	A	DATA - signal	Relay module
2	E	OPEN - signal	Power window switch left rear
3	E	OPEN - signal	Power window switch right rear
4	E	Convertible OPEN - signal Four-door OPEN - signal	Main power window switch Driver's rear window switch
5	E	Convertible DATA - signal Four-door CLOSE - signal	Convertible top control module Passenger's rear window switch
6		Not used	
7	A	DATA - signal	Relay module
8	E	CLOSE - signal	Power window switch left rear
9	E	CLOSE - signal	Power window switch right rear
10	E	Convertible CLOSE - signal Four-door CLOSE - signal	Main power window switch Driver's window switch

E = Input, A = Output, M = Ground

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Pin Assignments

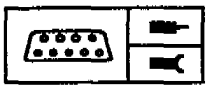
Pin	Type	Description/Function	Connection
11	E	Convertible DATA - signal Four-door OPEN - signal	Convertible top control module Passenger's window switch
12		Not used	
13		Not used	
14		Not used	
15		Not used	
16		Not used	
17		Not used	
18		Not used	
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24		Not used	
25		Not used	
26		Not used	

X13258

Pin	Type	Description/Function	Connection
1	E	DATA – signal	Central body electronic module
2	A	Voltage supply (motor)	Power window motor right rear
3	E	Signal	Power window motor right rear
4	E	Signal	Power window motor left rear
5	A	Voltage supply (motor)	Power window motor left rear
6		Not used	
7		Not used	
8	M	Ground	Ground
9	E	DATA – signal	Central body electronic module
10	E/A	DATA – signal	Central body electronic module
11	E/A	DATA – signal	Central body electronic module

E = Input, A = Output, M = Ground

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Pin Assignments

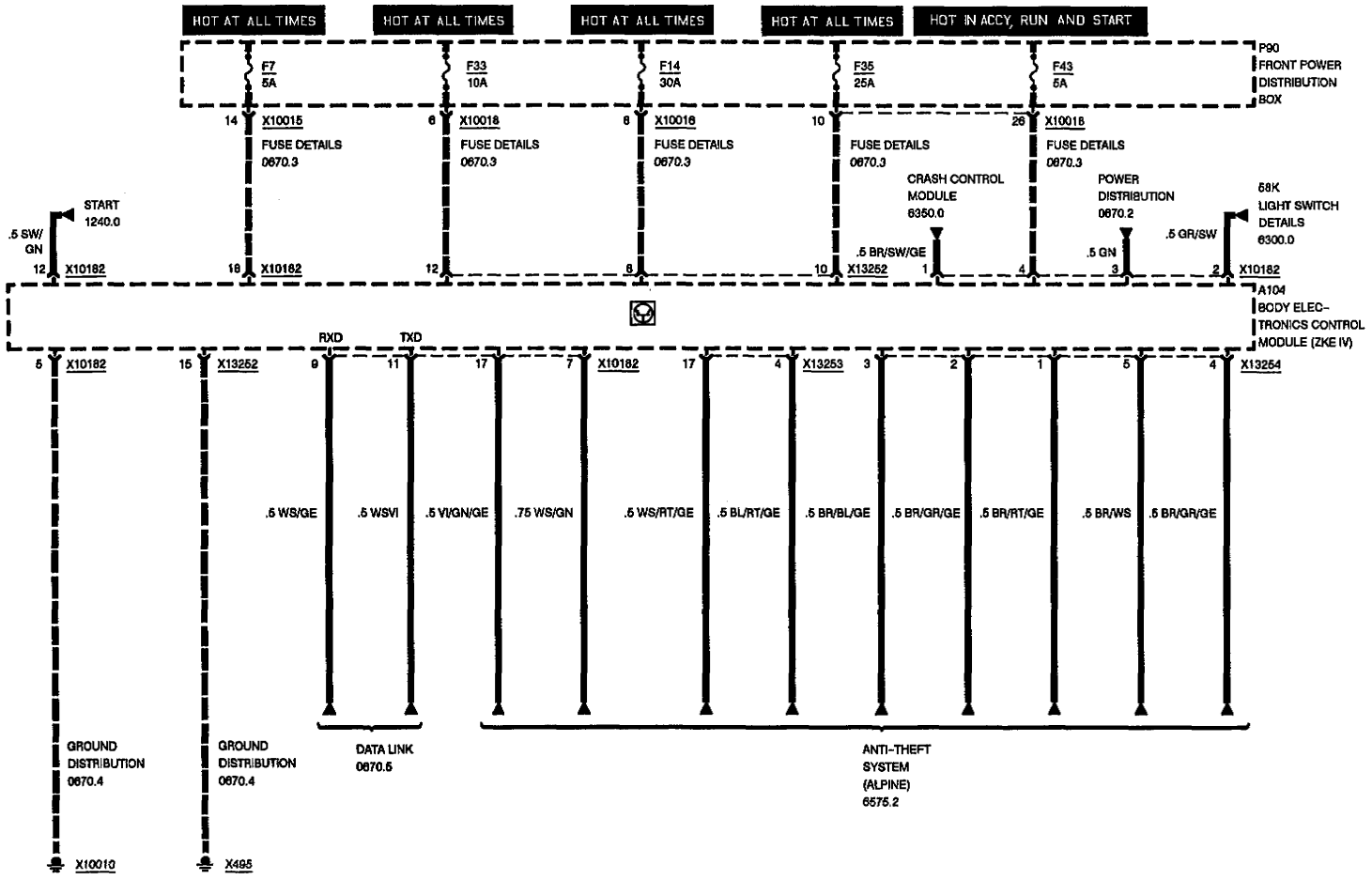
Pin	Type	Description/Function	Connection
12	E	DATA – signal	Central body electronic module
13	E/A	DATA – signal	Central body electronic module
14		Not used	
15	E	Power supply	Front power distribution box

E = Input, A = Output, M = Ground

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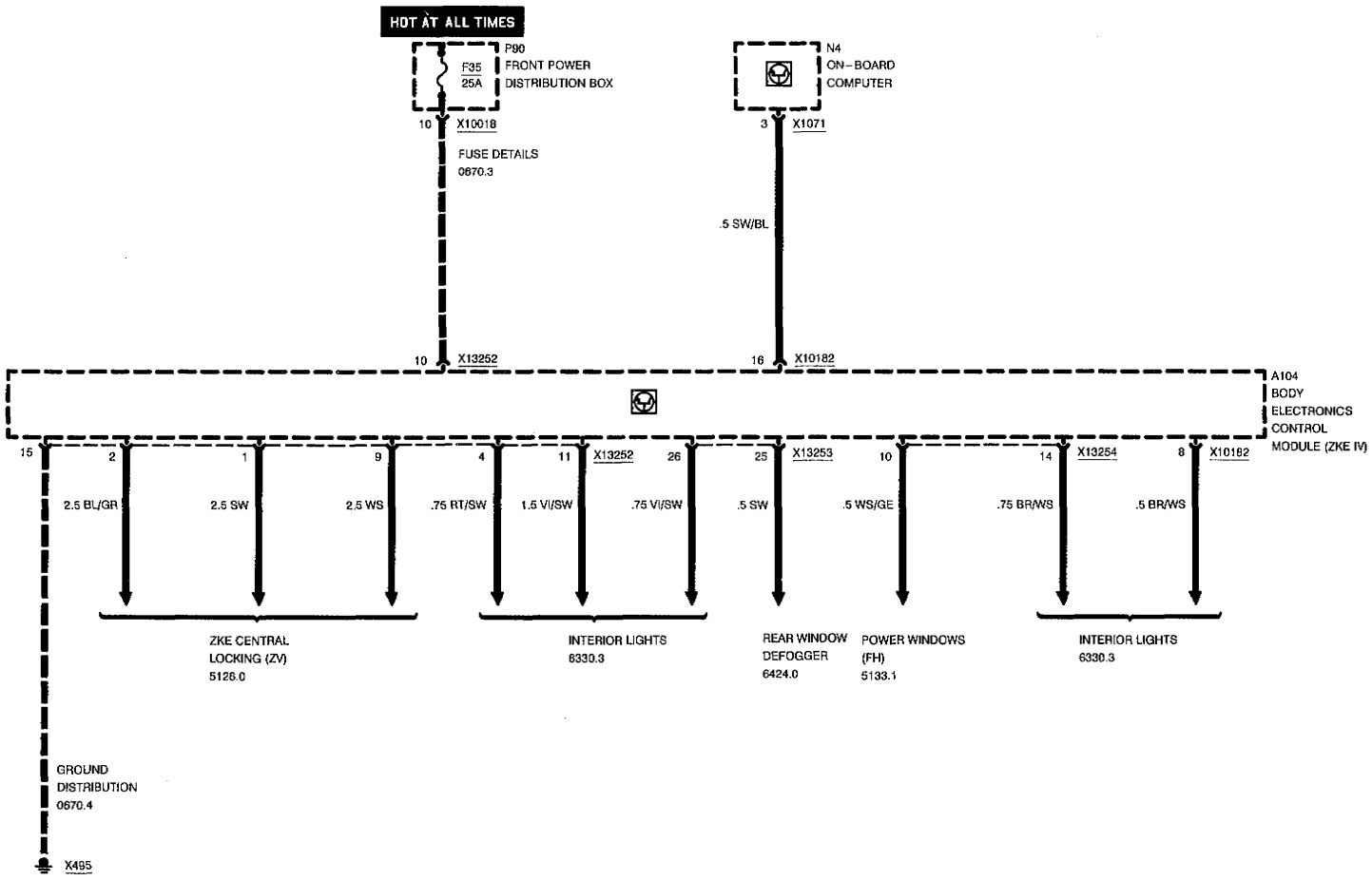
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CENTRAL BODY ELECTRONICS (ZKE IV)



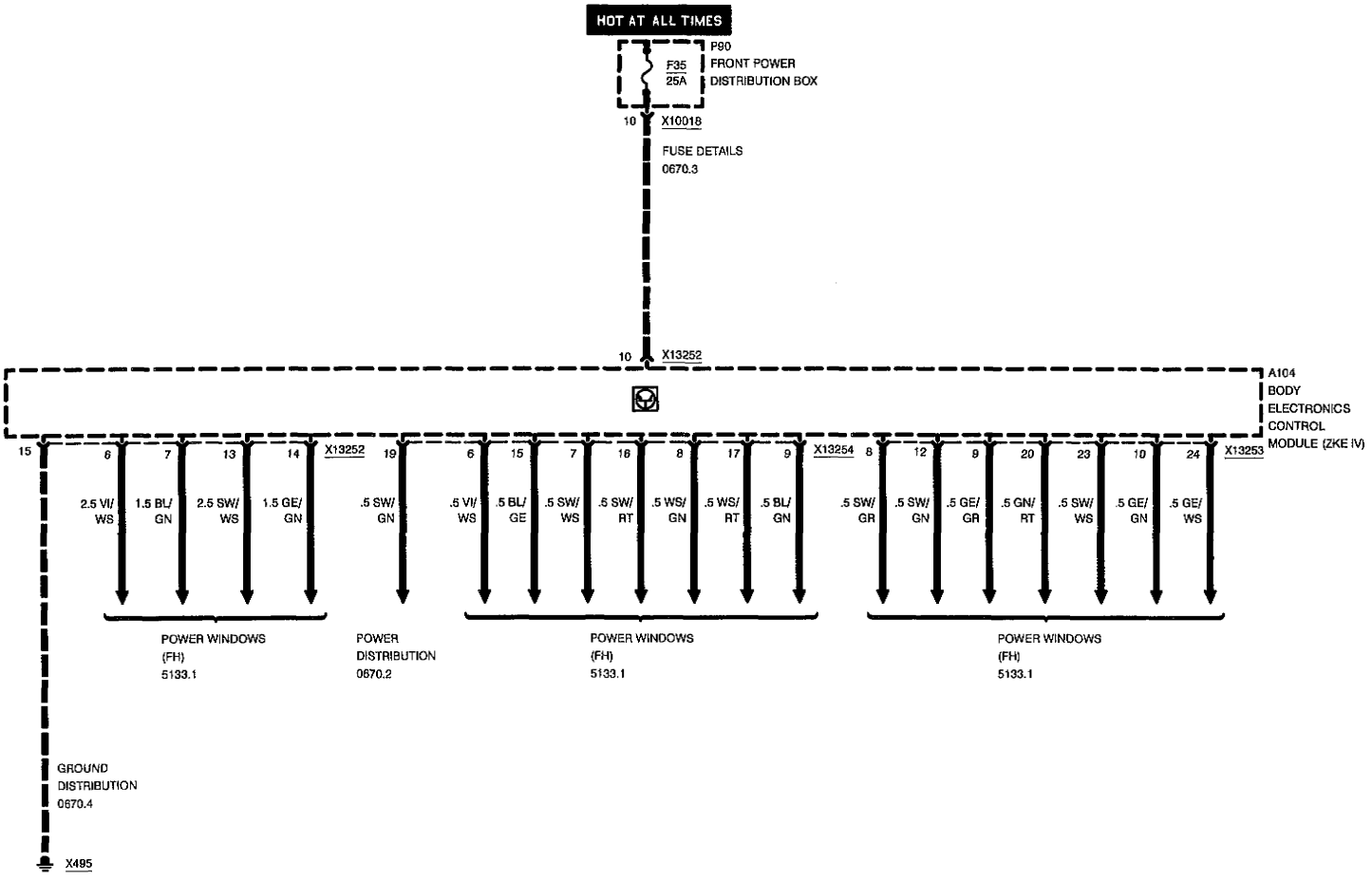
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CENTRAL BODY ELECTRONICS (ZKE IV)



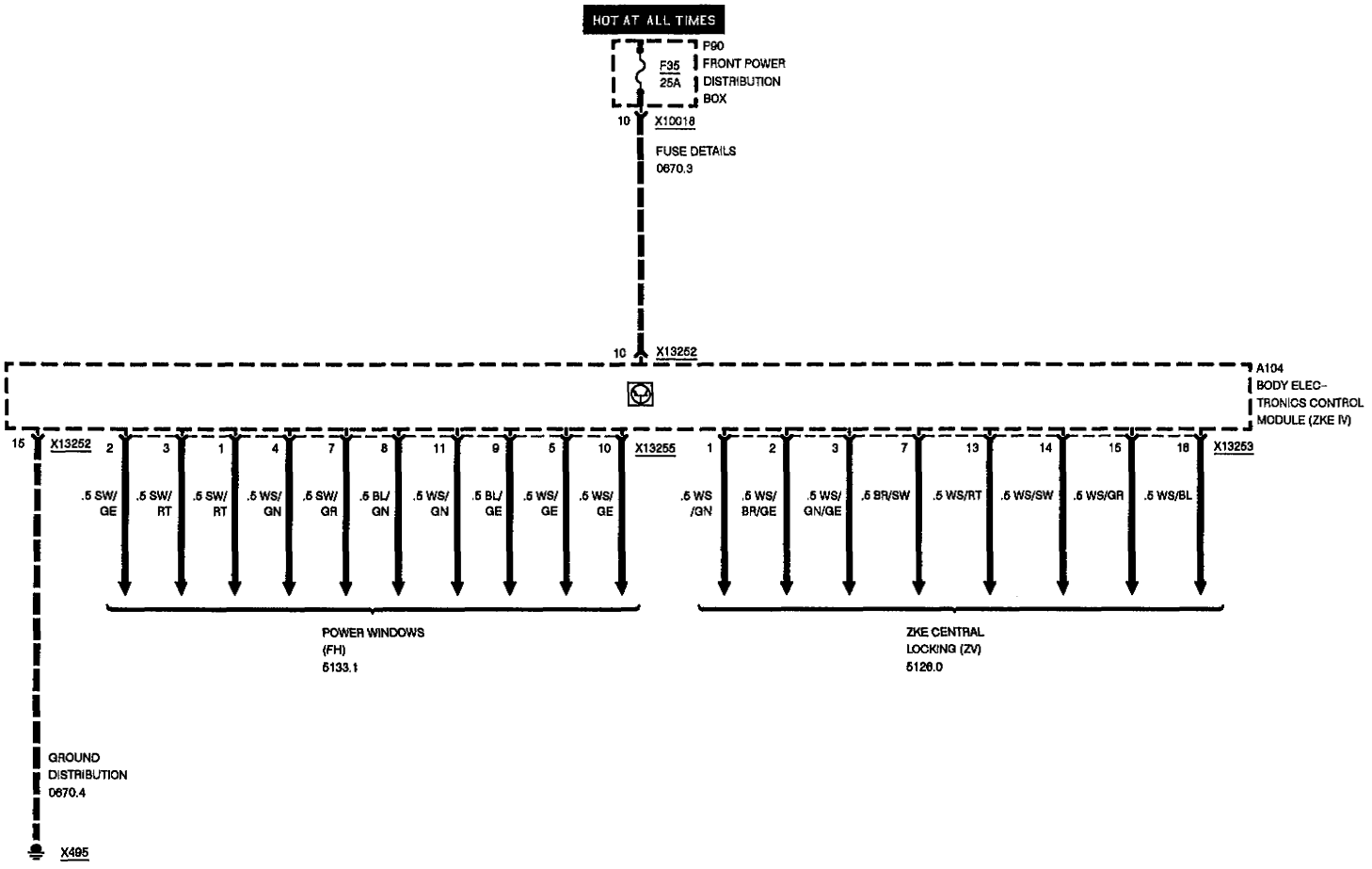
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CENTRAL BODY ELECTRONICS (ZKE IV)



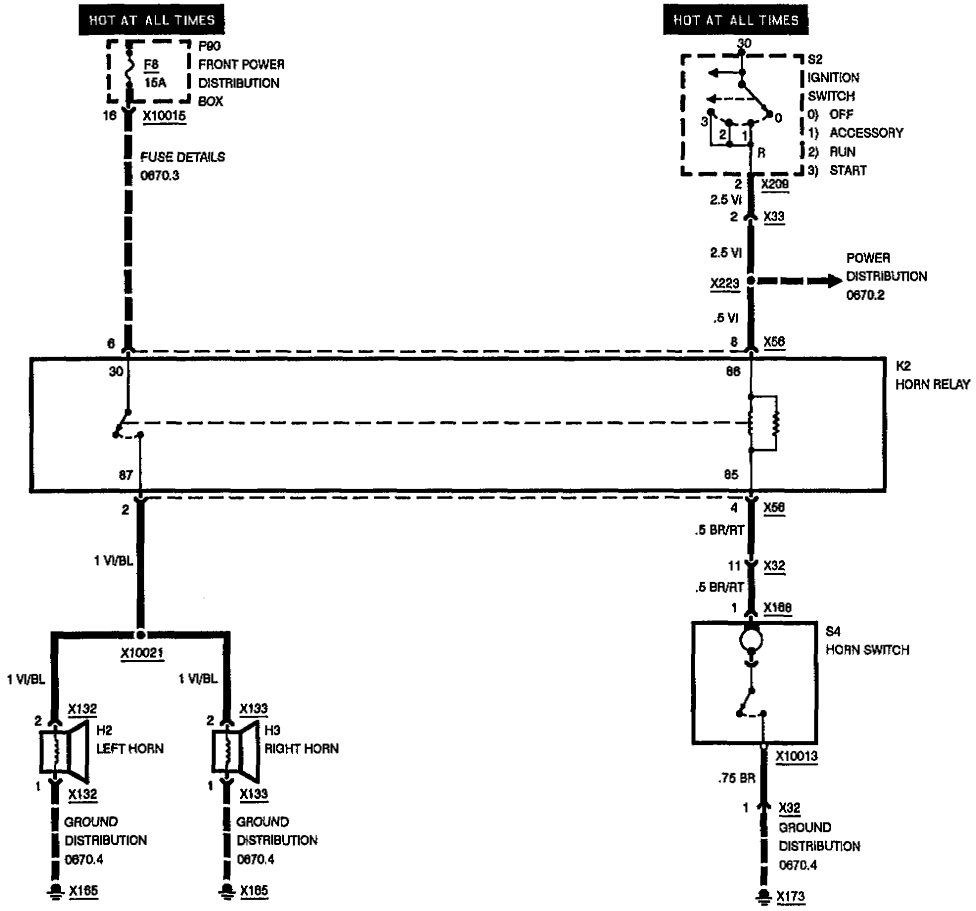
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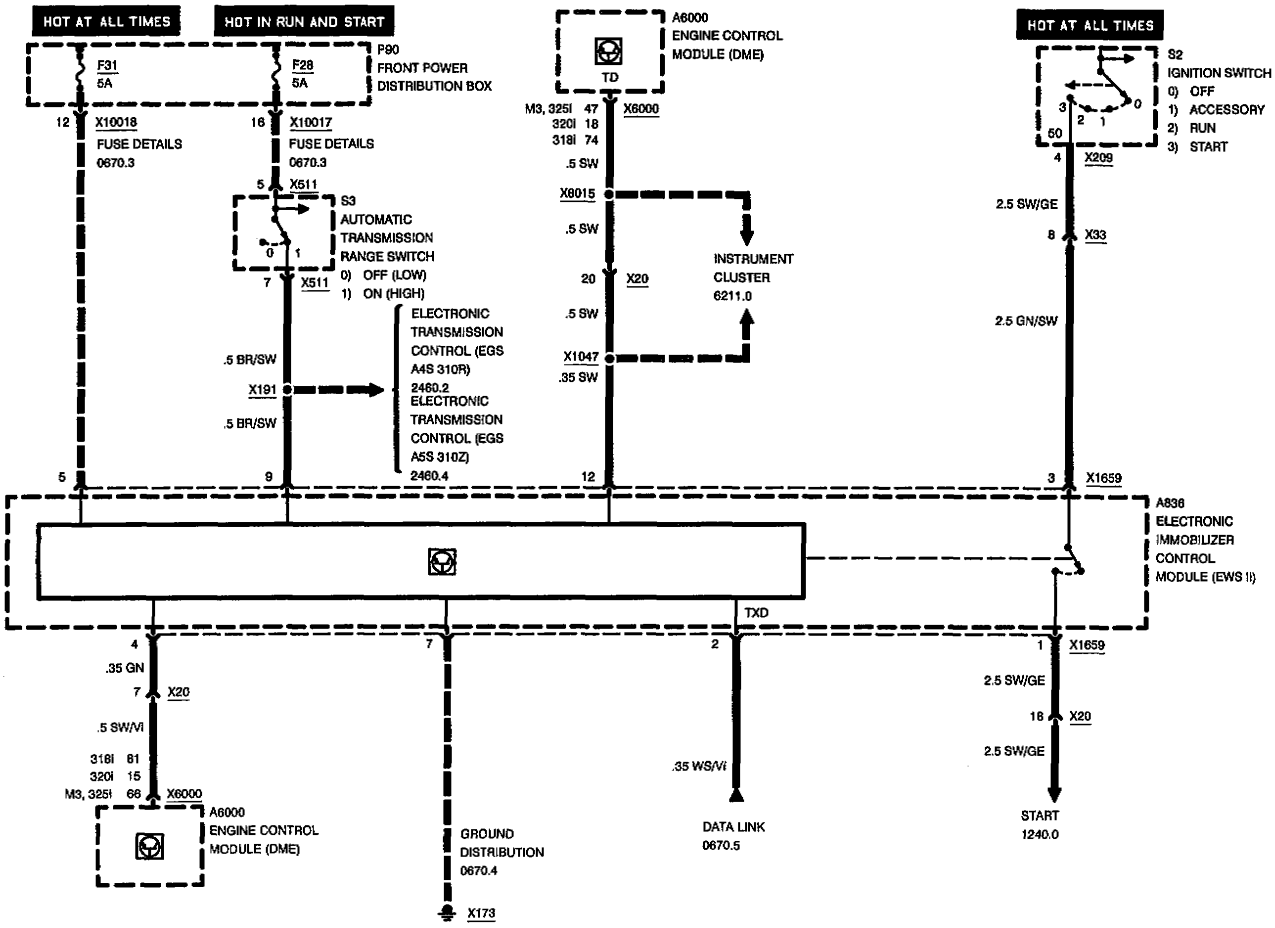
HORN



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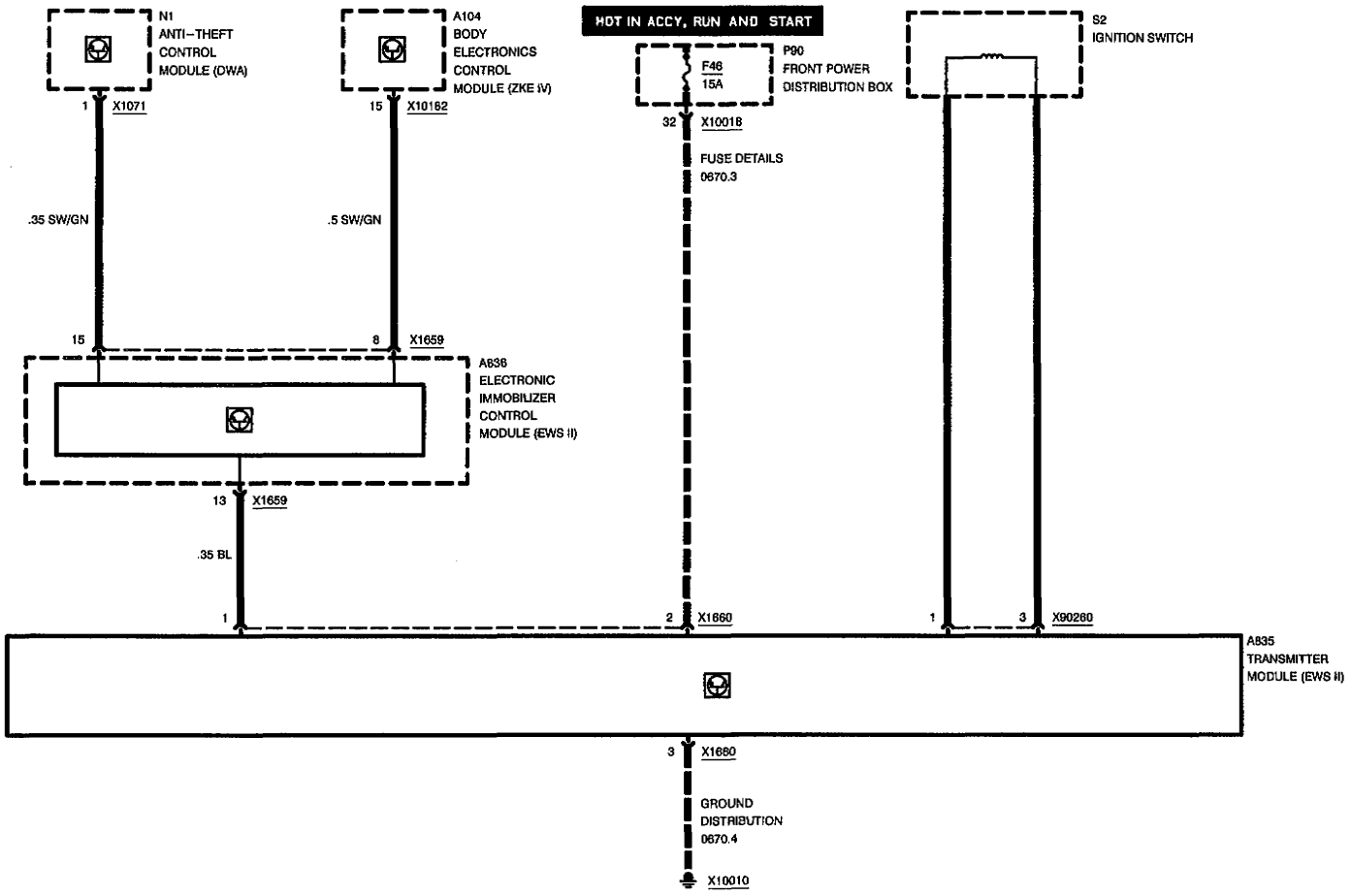
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DRIVE–AWAY PROTECTION (EWS II)



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DRIVE-AWAY PROTECTION (EWS II)



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DRIVE–AWAY PROTECTION (EWS II)

COMPONENT

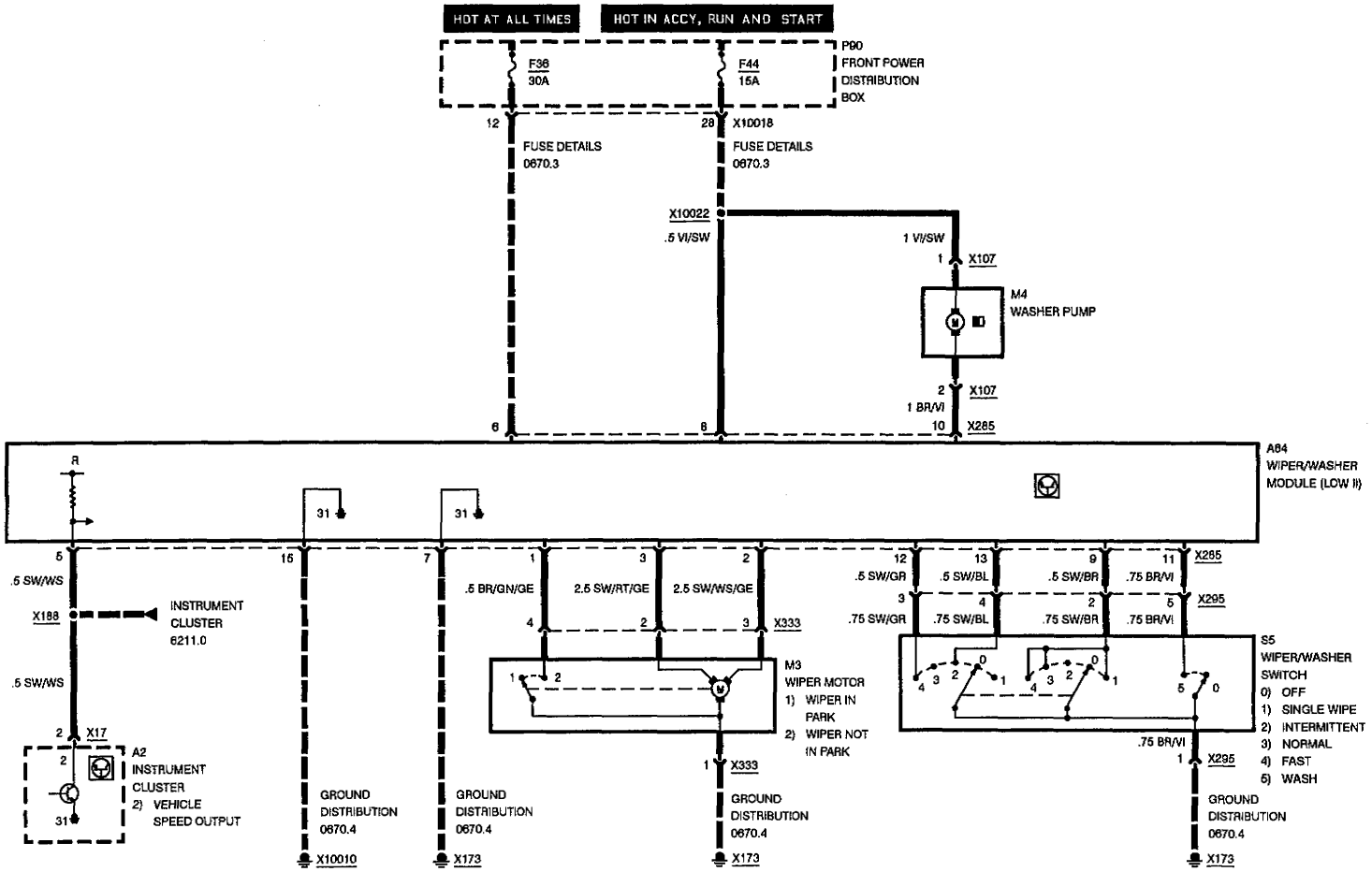
A835 .	TRANSMITTER MODULE (EWS II)	RH side of steering column
A836 .	CONTROL MODULE (EWS II)	Under glove box
X1659	CONNECTOR (15–PINS, YELLOW)	Under glove box
X1660	CONNECTOR (3–PINS, WHITE)	RH side of steering column
X90260	CONNECTOR (3–PINS, BLACK)	RH side of steering column

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WIPER/WASHER MODULE (WWM)

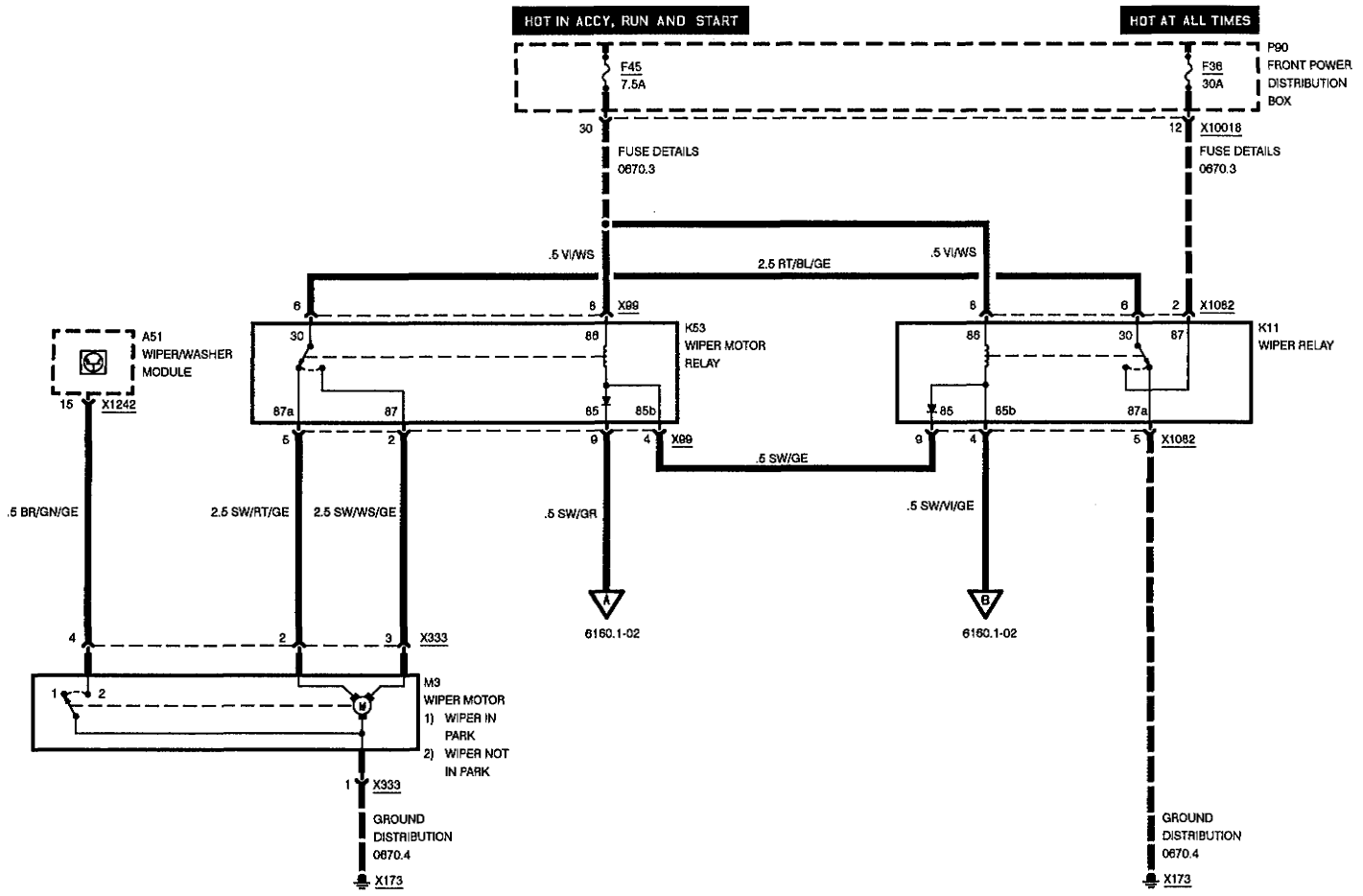
USA



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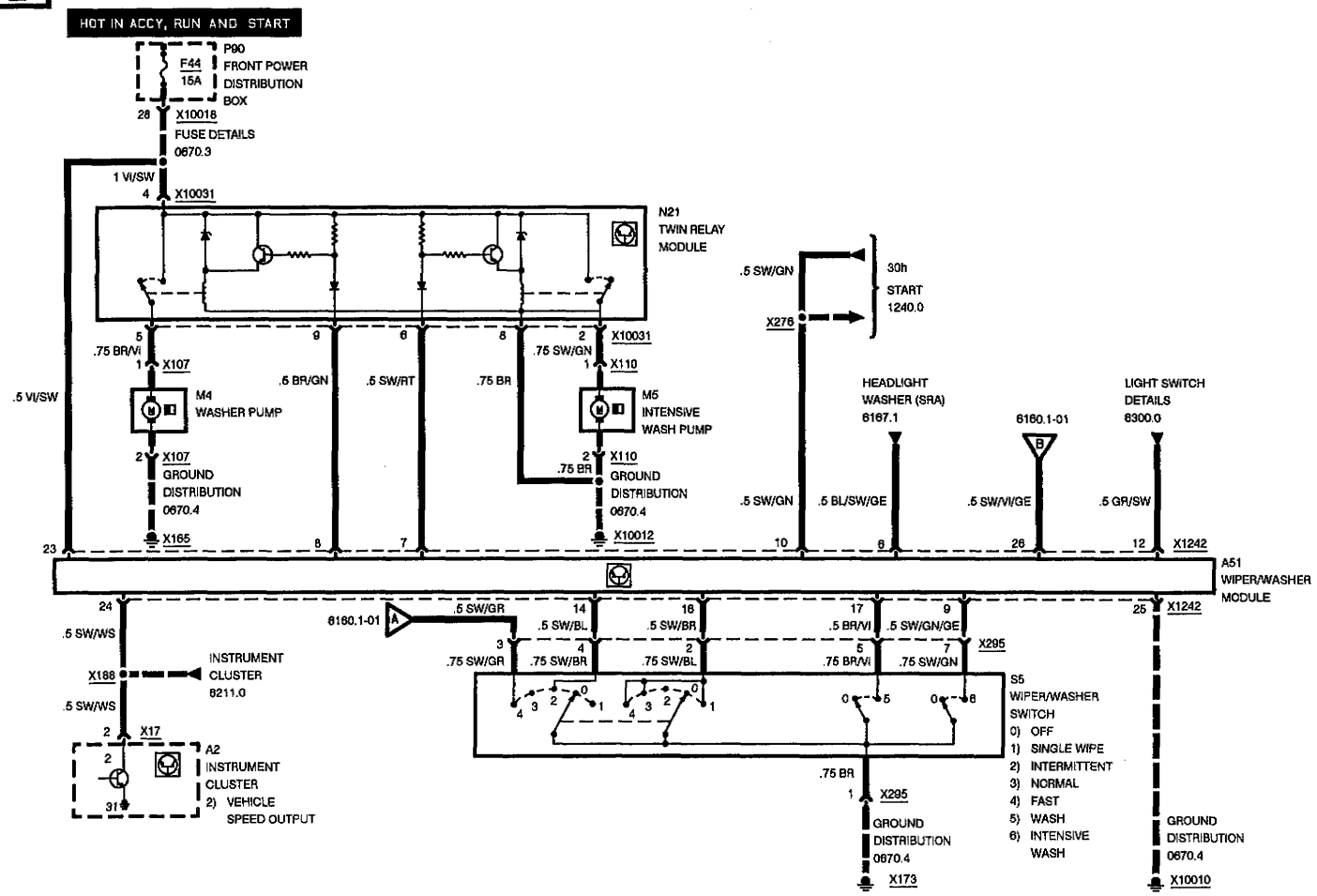
WIPER/WASHER MODULE (WWM)

CDN



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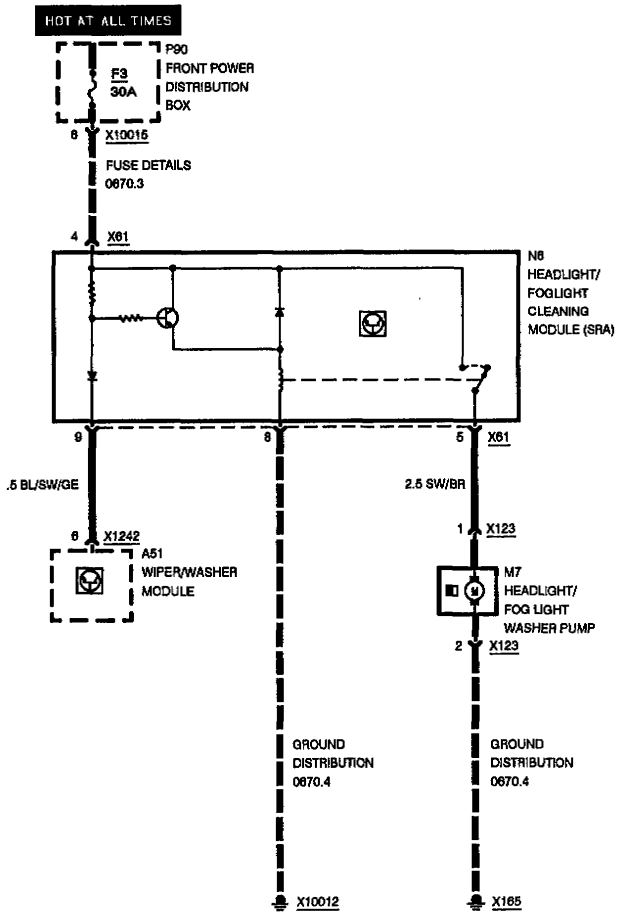
WIPER/WASHER MODULE (WWM)



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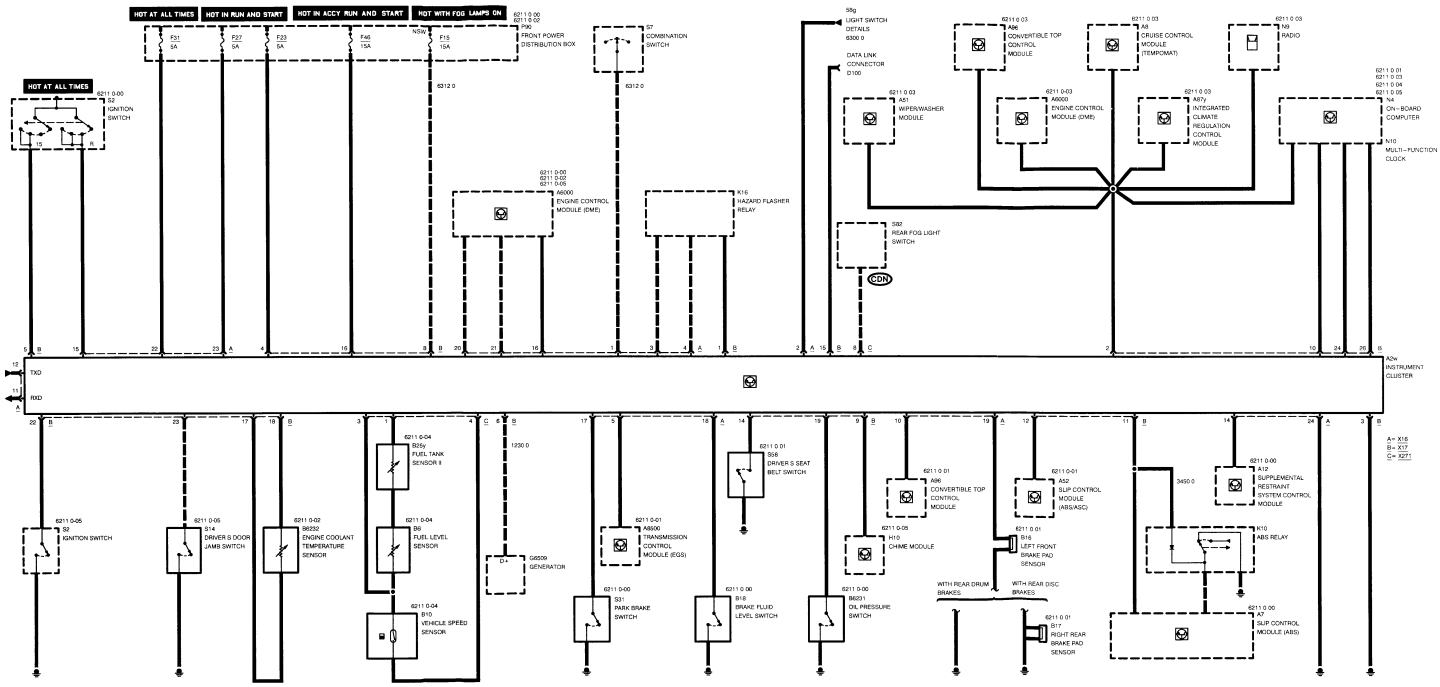
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HEADLIGHT WASHER (SRA)



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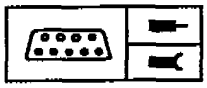
Pin Assignments

X16

Pin	Type	Description/Function	Connection
1	E	High beam indicator control	Combination switch
2	E	Terminal 58g, instument 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	E	Convertible Roll over signal	Convertible top control module
11	A	RxD diagnostic data link	Data link connector
12	E/A	TxD diagnostic data link	Data link connector
13	E	M3 oil temperature	Engine oil temperature sensor
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
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground

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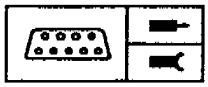
Pin Assignments

X17

Pin	Type	Description/Function	Connection
1	E	Trailer turn signal indicator control	Hazard flasher relay
2	A	Vehicle speed signal	Various control modules
3	M	Ground supply, terminal 31 for indicator and warning lamps	Ground point
4	E	Voltage supply terminal 15 for instrument cluster electronics	Front power distribution box, fuse 23
5	E	Voltage supply, terminal 15 for battery charge indicator	Ignition switch, terminal 15
6	E	Ground supply terminal 61 for battery charge indicator	Generator
7		Not used	
8	E	Fog light indicator control	Front power distribution box fuse 15
9	A	Sound tone signal	Chime module
10	A	Information signal, fuel tank content	On-board computer
11	E	Slip control system warning lamp (ABS) control	Slip control module (ABS)
12	E	ASC signal	ASC control module
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 distibution box, fuse 46
17	A	Coolant temperature sensor	Coolant temperature sensor
18	E	Coolant temperature sensor	Coolant temperature sensor
19	E	Oil pressure warning lamp control	Oil pressure switch
20		Not used	
21		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

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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

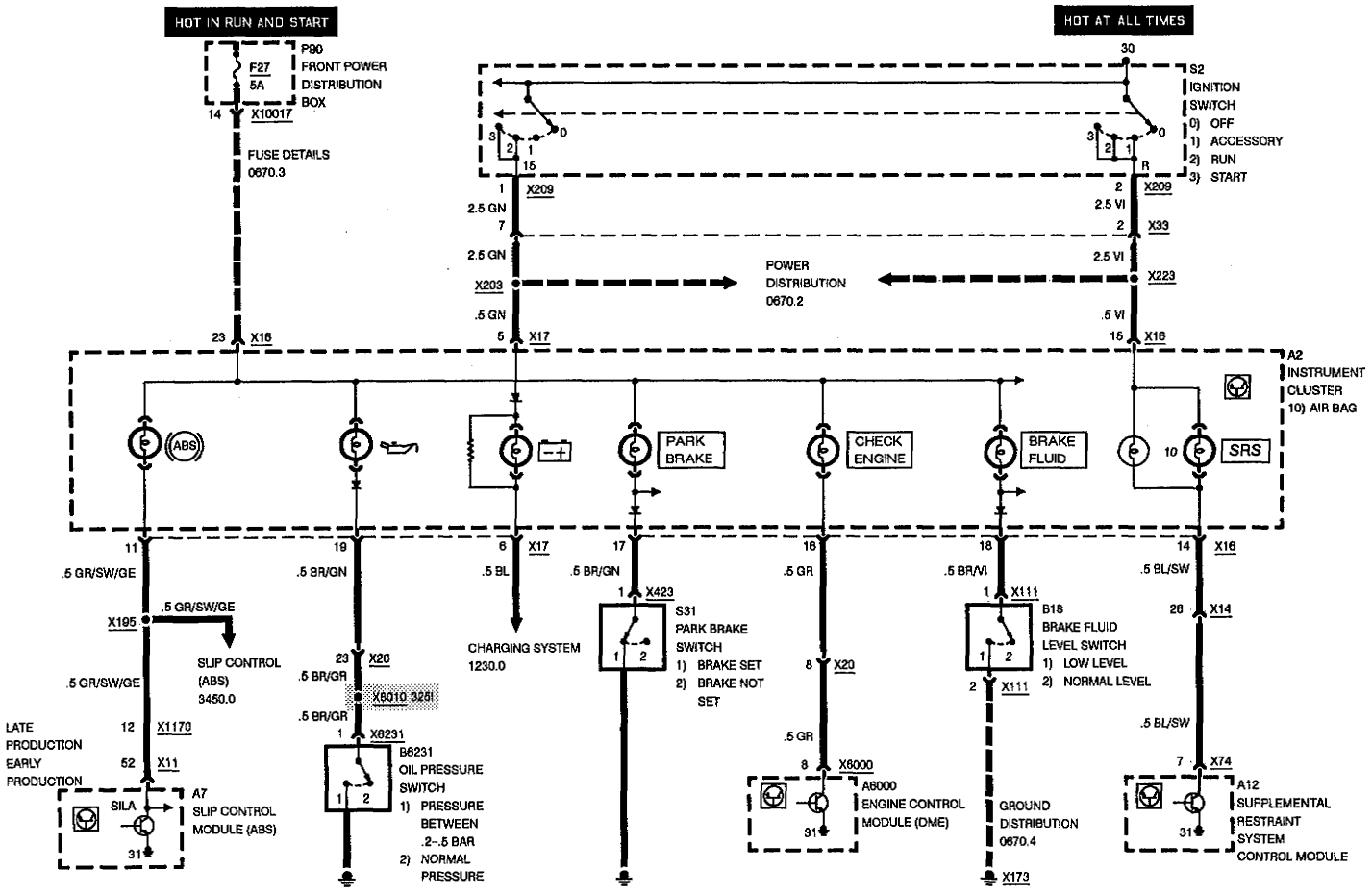
Pin	Type	Descrption/Function	Connection
1	A	Fuel level sensor	Fuel tank sensors
2		Not used	
3	A	Ground supply for fuel tank sensors and vehicle speed sensor	Fuel tank sensors and vehicle speed sensor
4	E	Position signal tw	Vehicle speed sensor
5		Not used	
6		Not used	
7		Not used	
8	E	Rear fog lights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

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INSTRUMENT CLUSTER

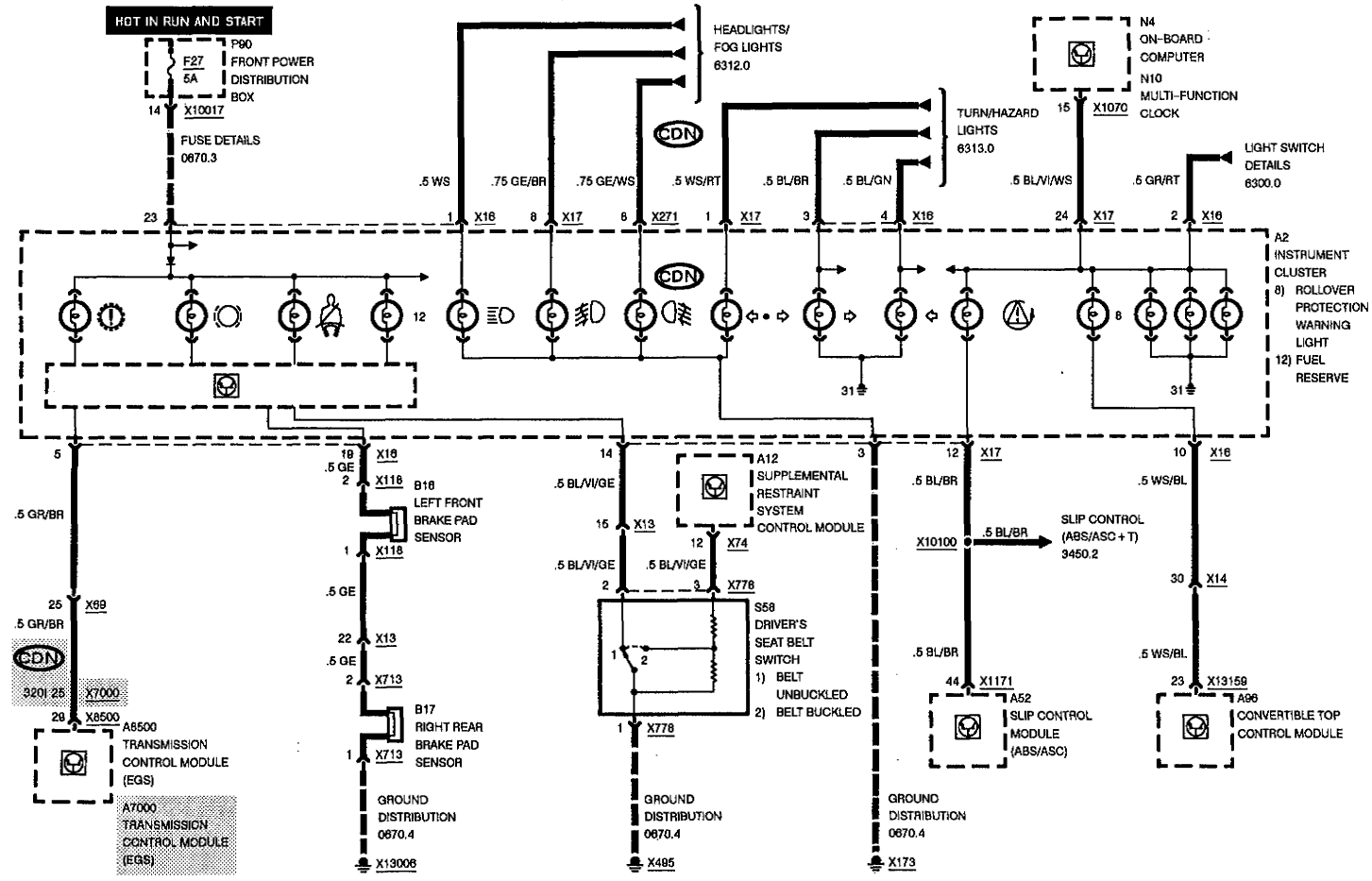
INDICATORS



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INSTRUMENT CLUSTER

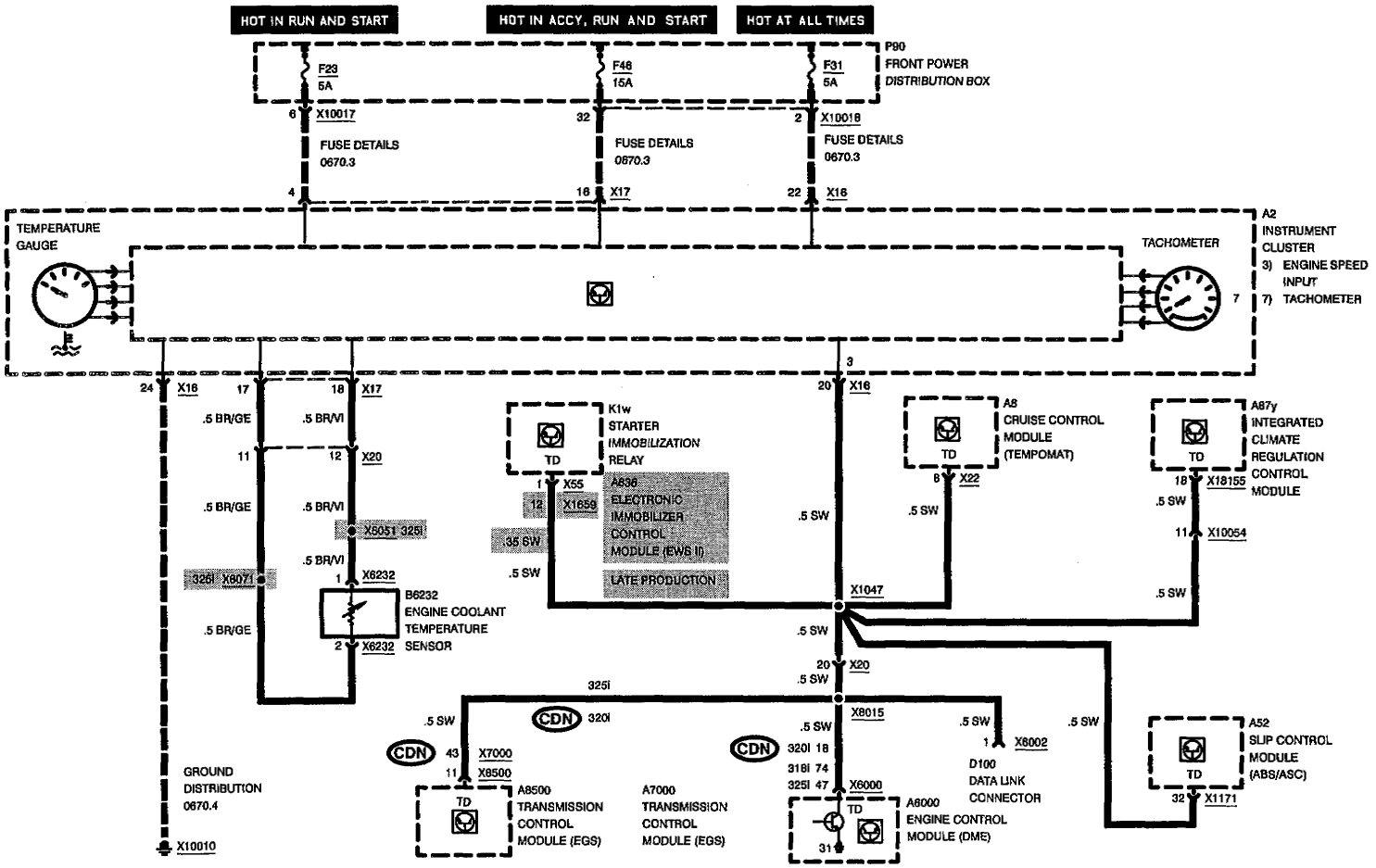
INDICATORS



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INSTRUMENT CLUSTER

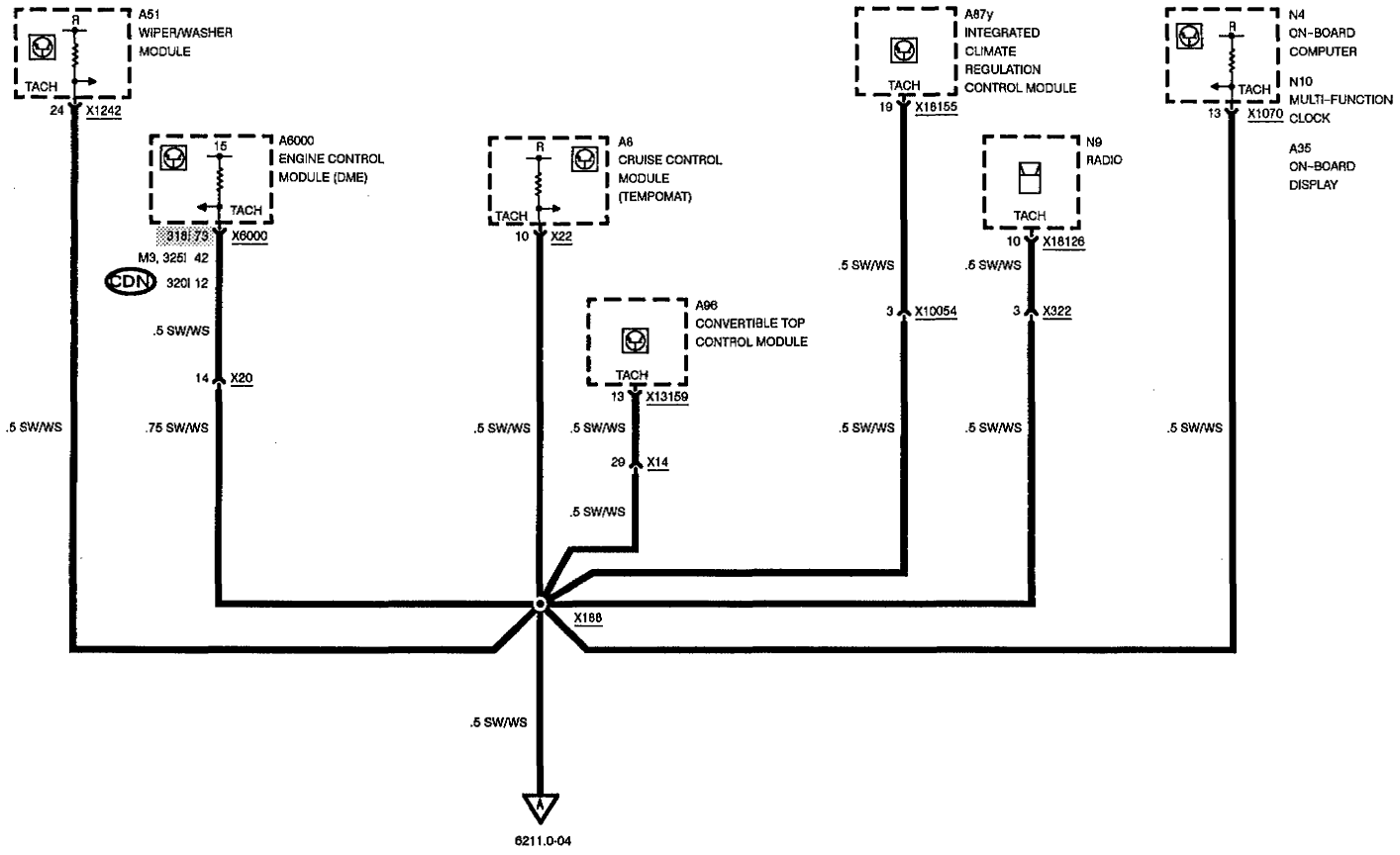
INDICATORS



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INSTRUMENT CLUSTER

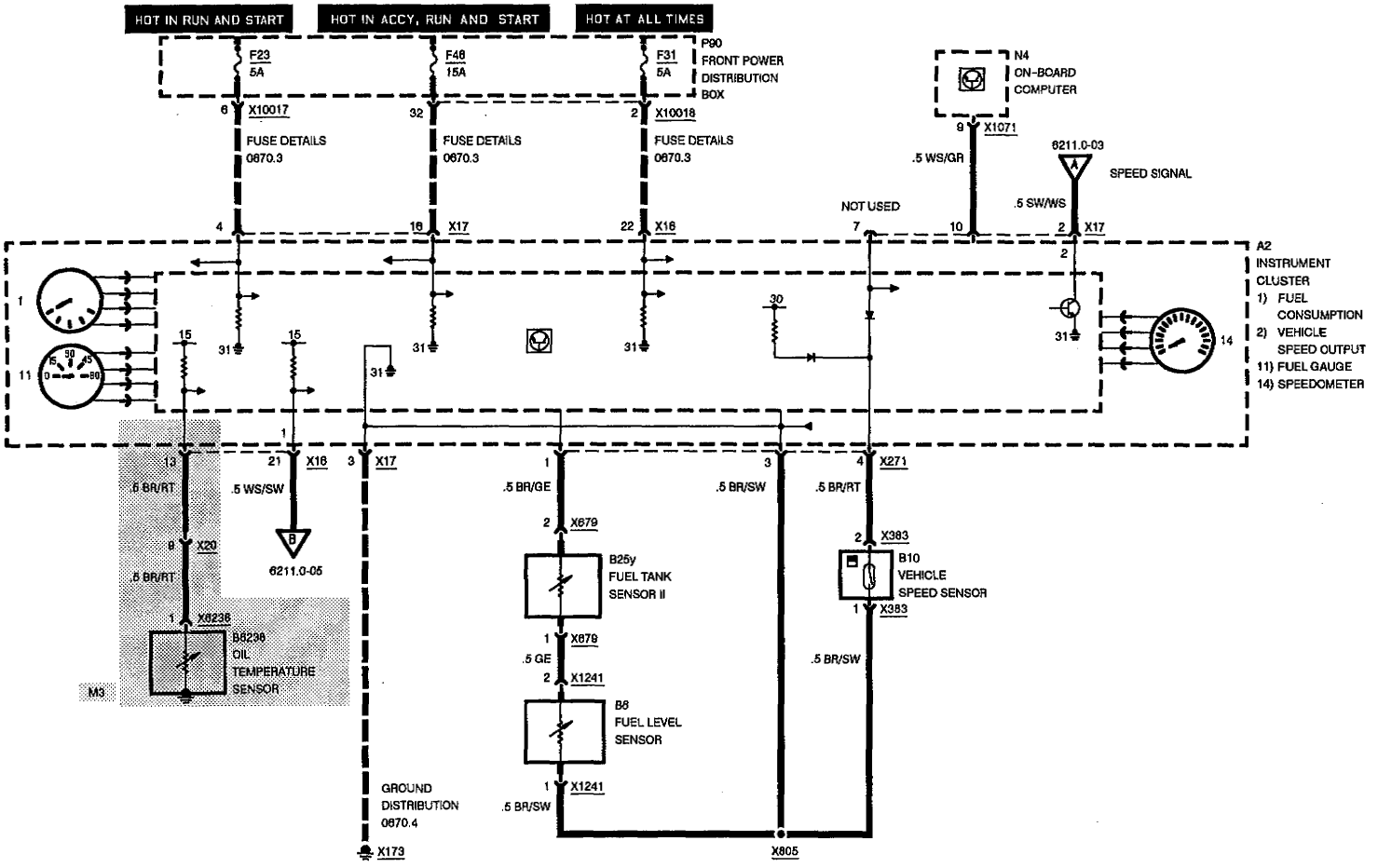
SIGNAL-OUTPUT SPEEDOMETER



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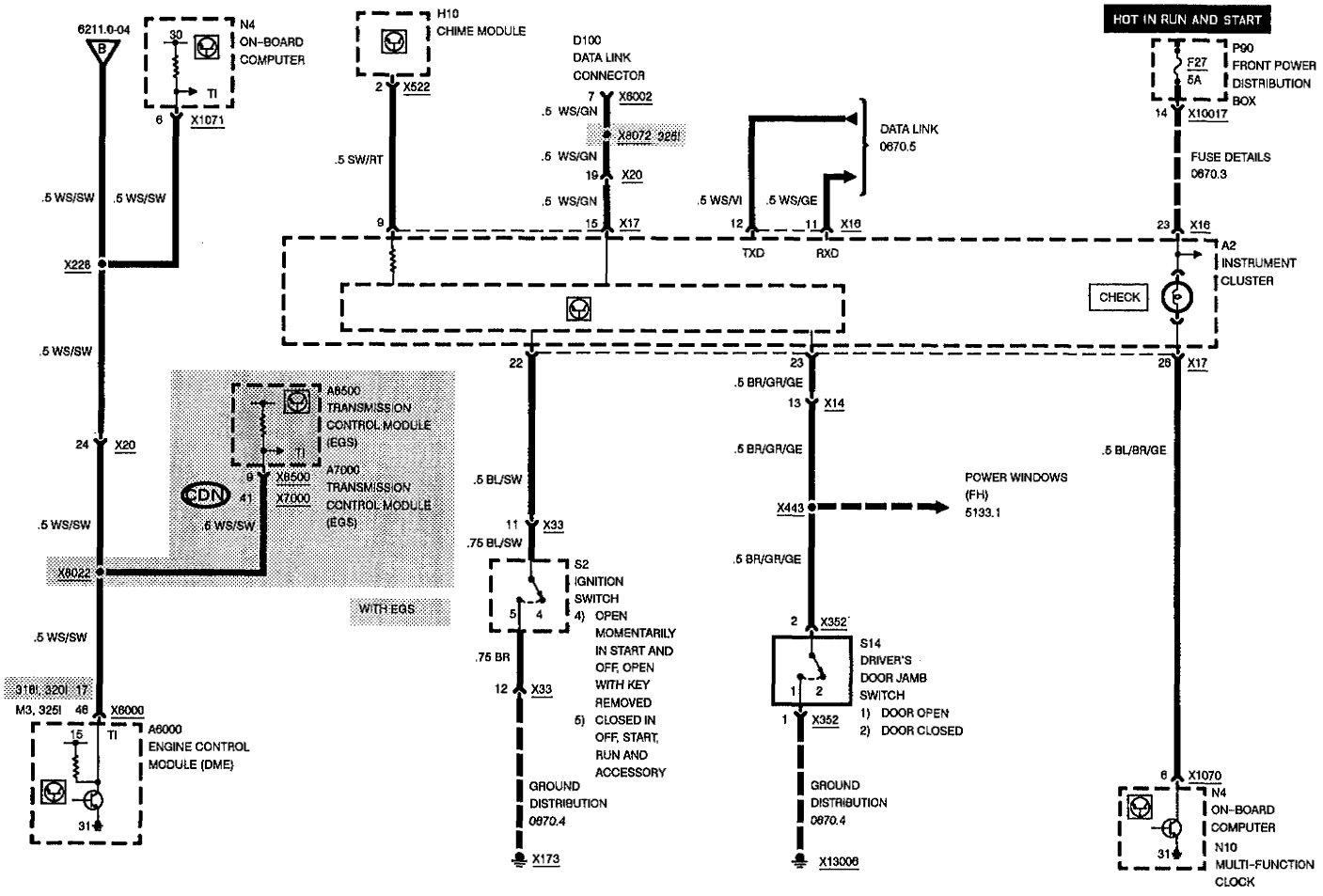
INDICATORS



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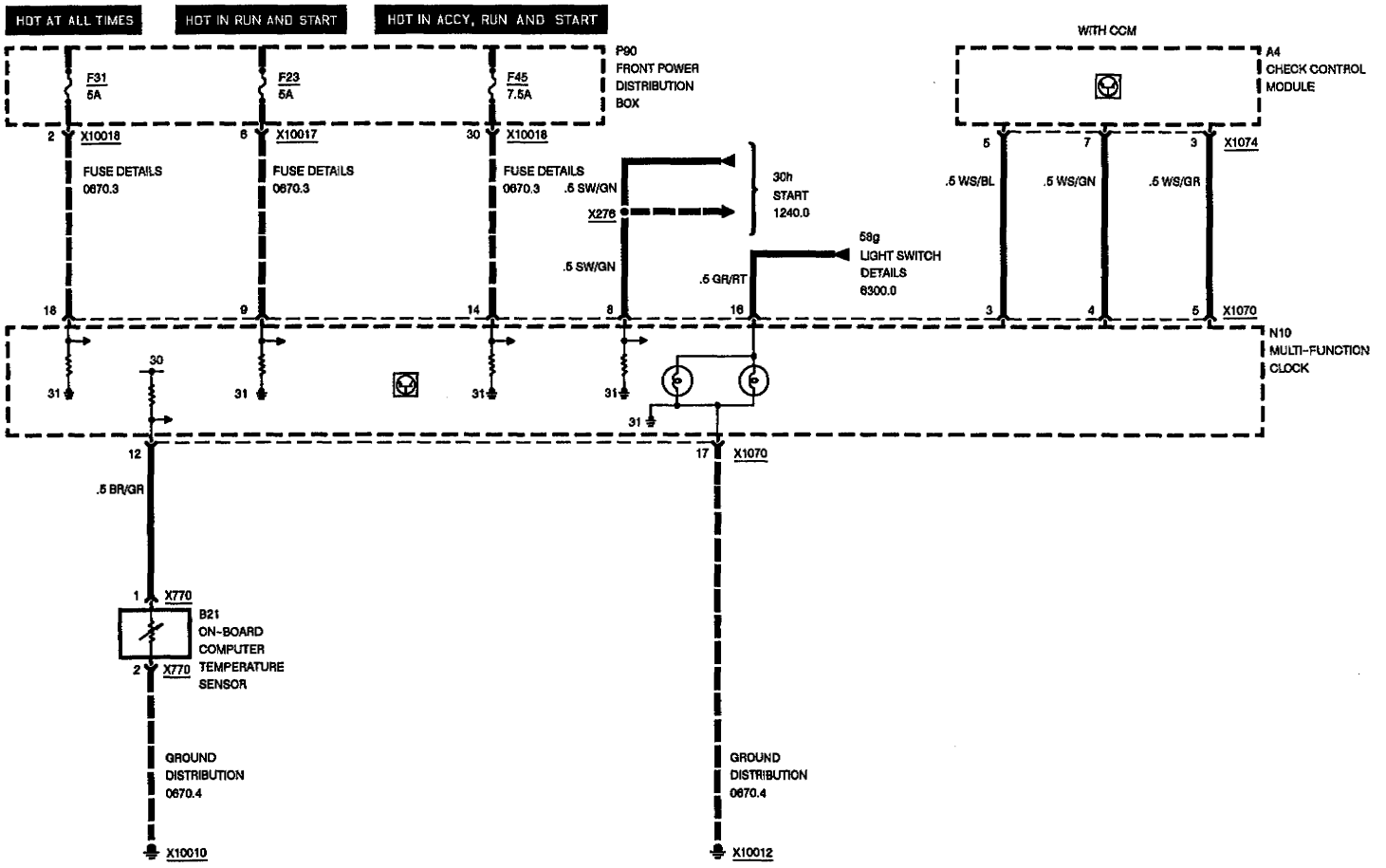
INSTRUMENT CLUSTER

INDICATORS



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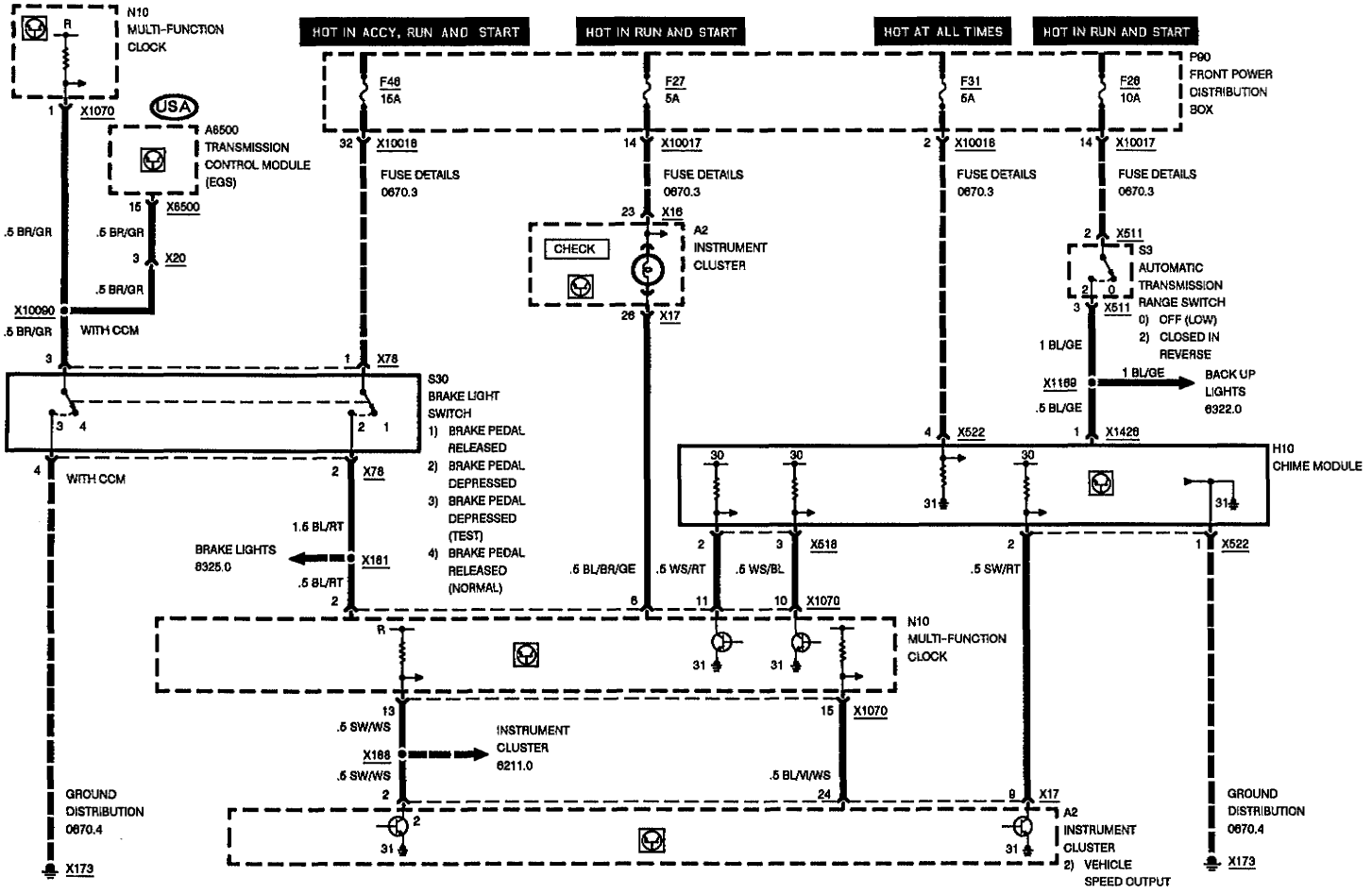
MULTI-FUNCTION CLOCK



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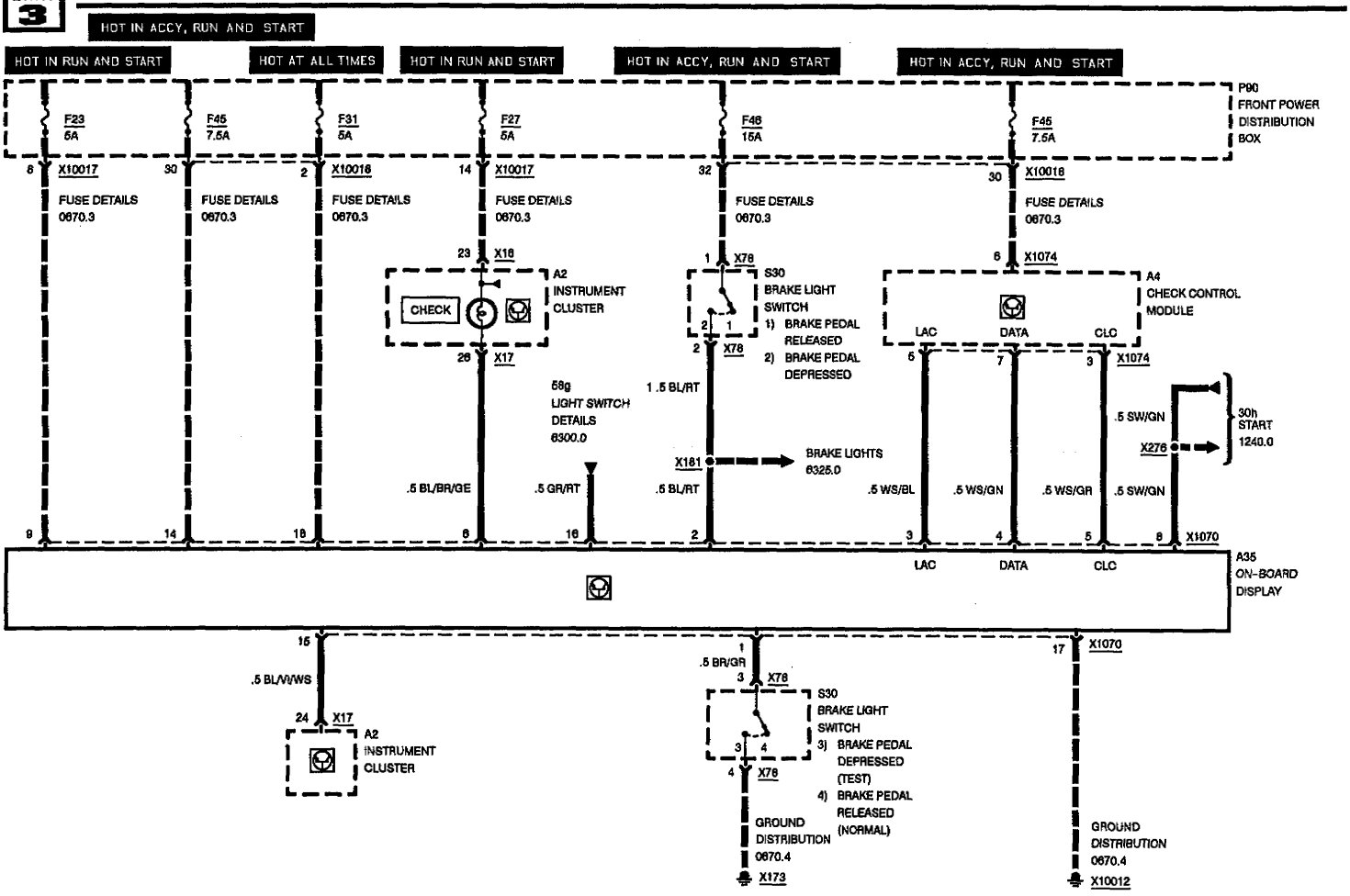
MULTI-FUNCTION CLOCK

CHIME, BRAKE LIGHT SWITCH



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ON-BOARD DISPLAY

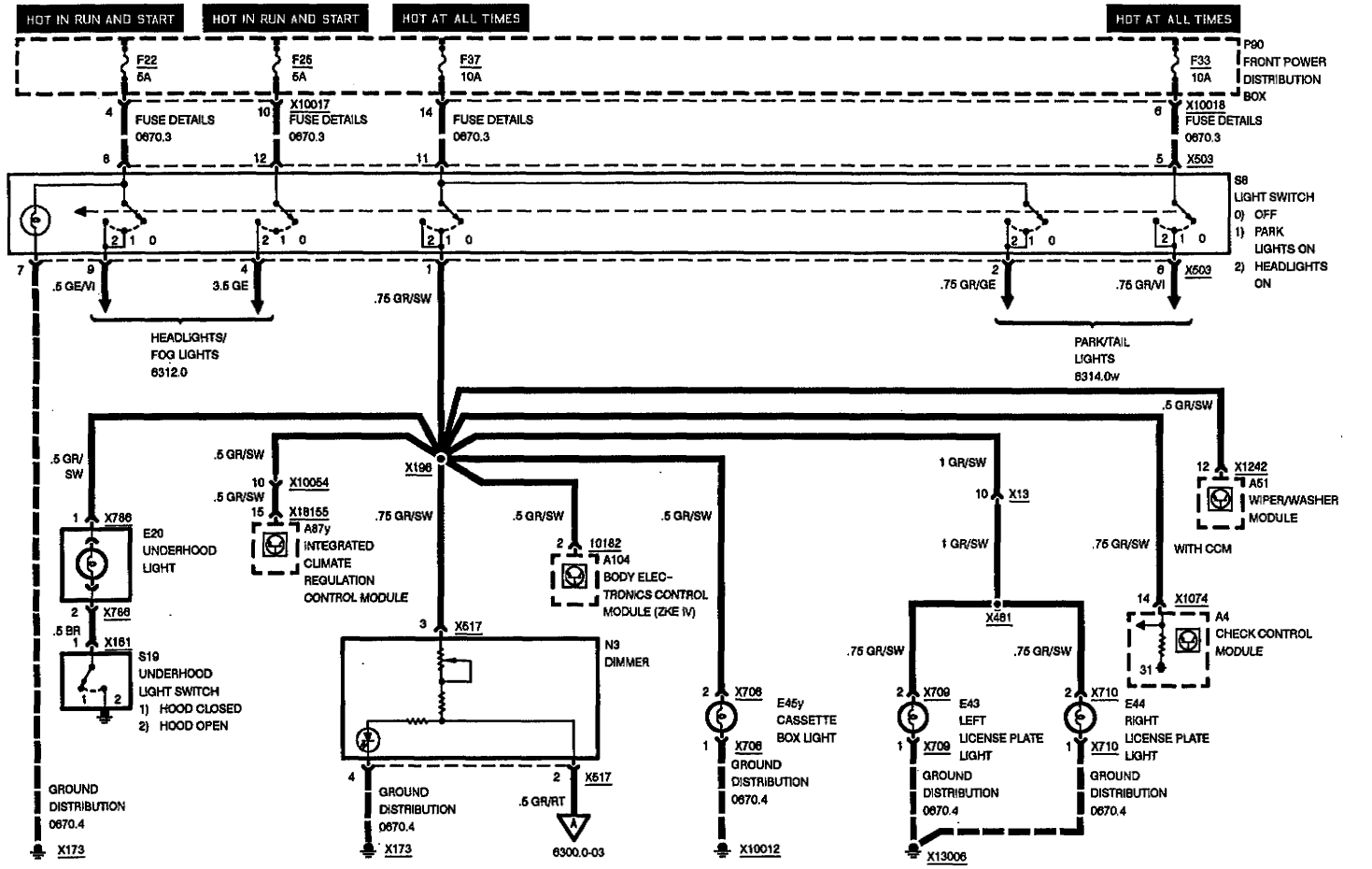


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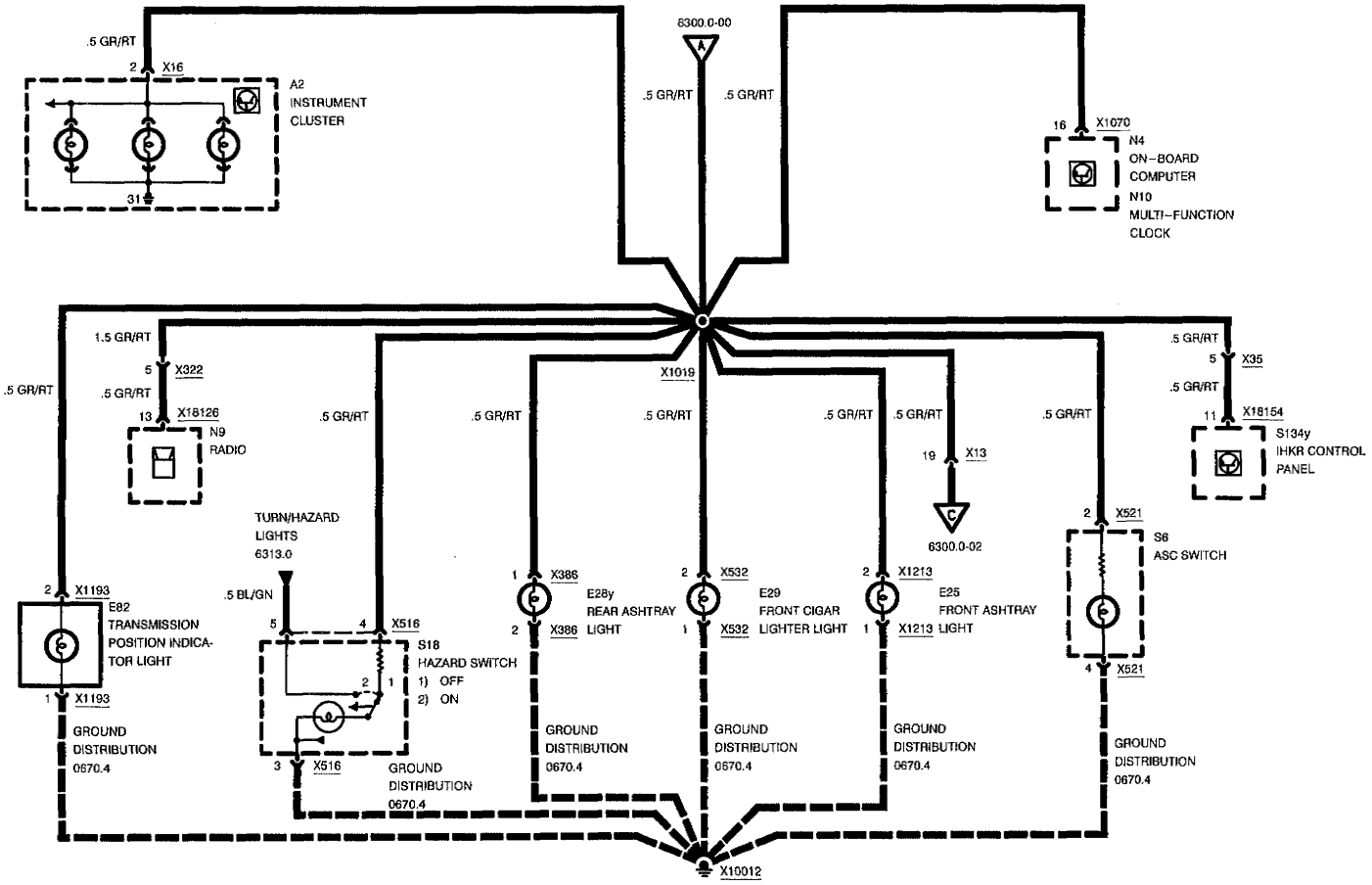
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LIGHT SWITCH DETAILS



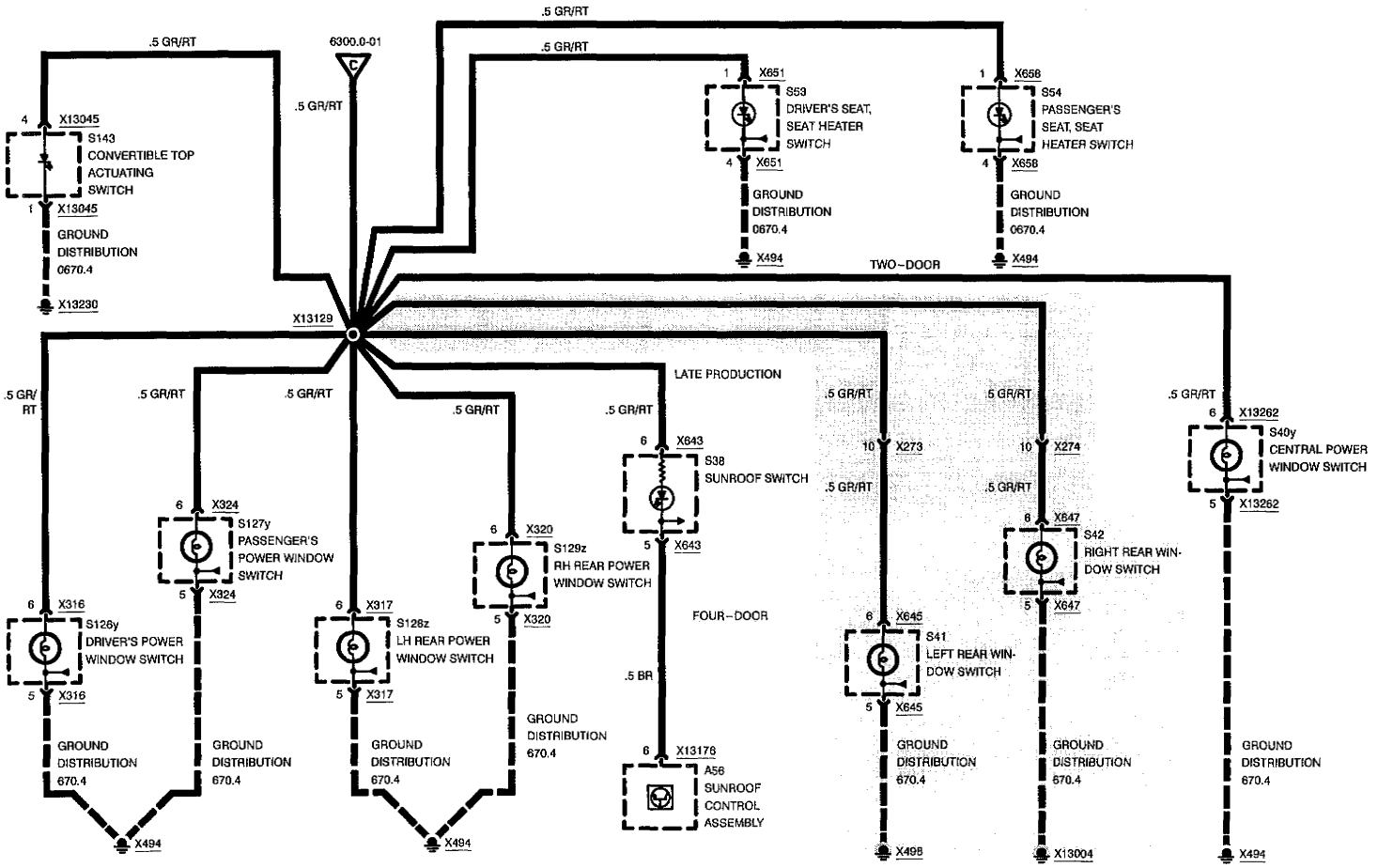
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LIGHT SWITCH DETAILS



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LIGHT SWITCH DETAILS

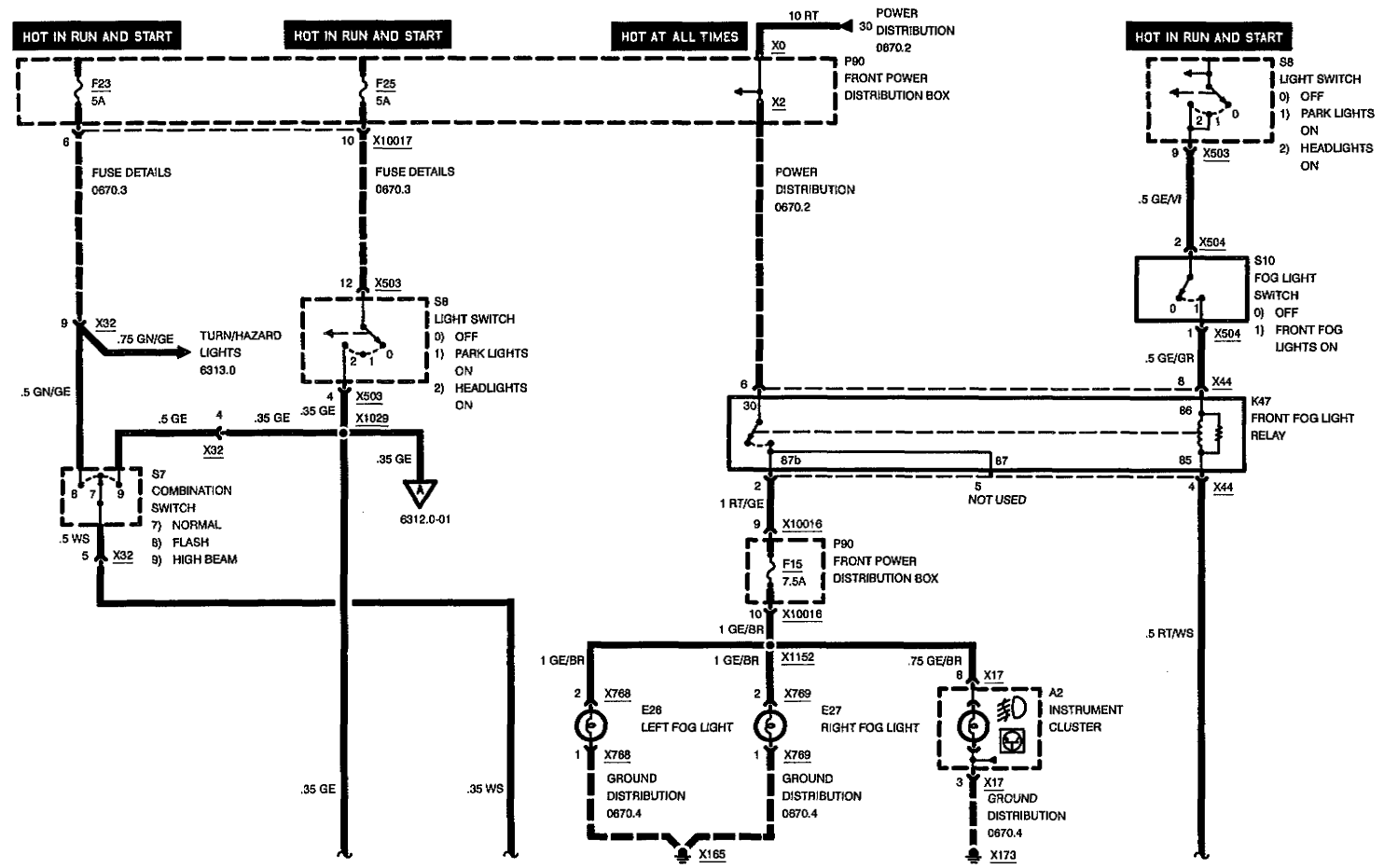


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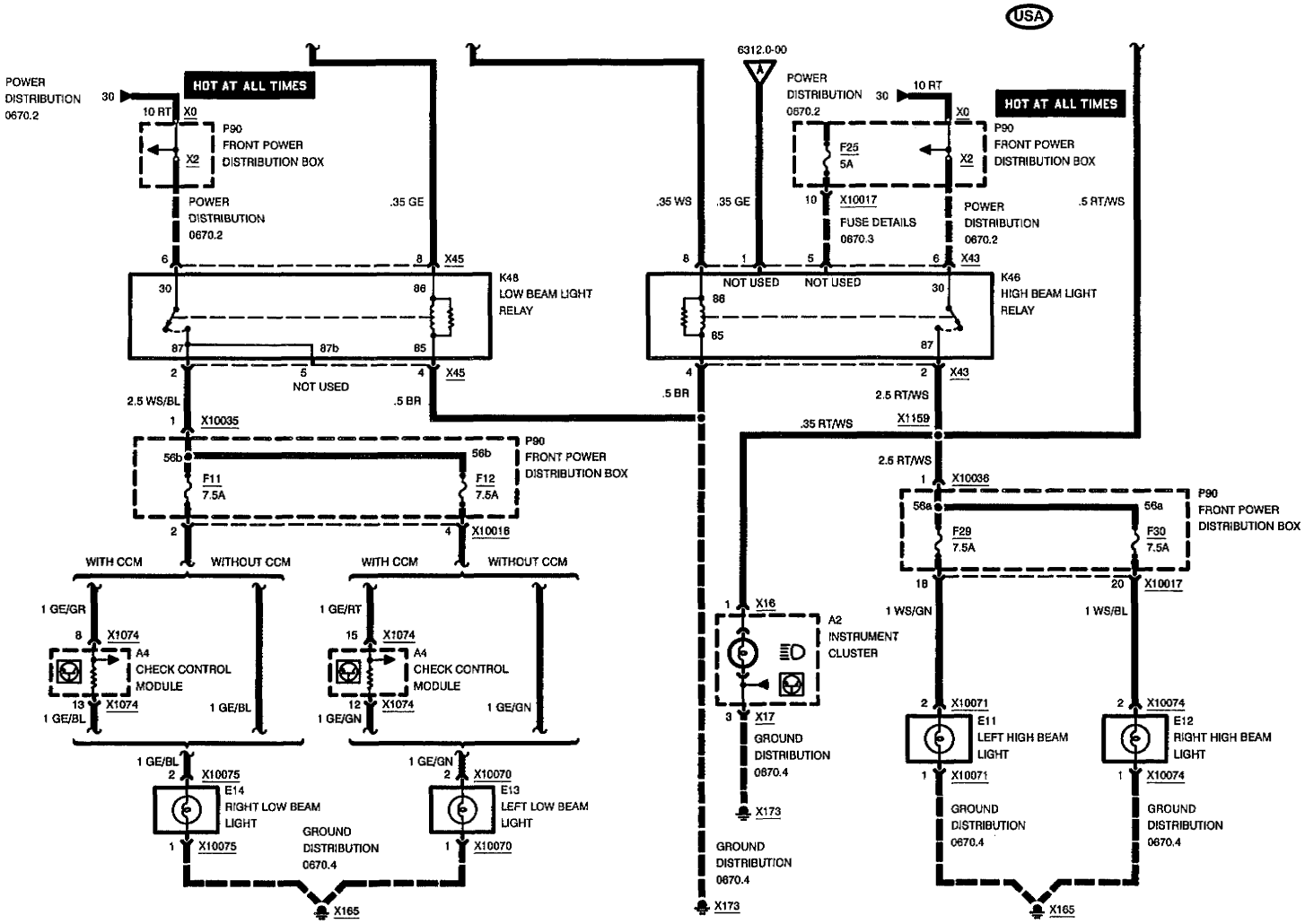
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HEADLIGHTS/FOG LIGHTS

USA

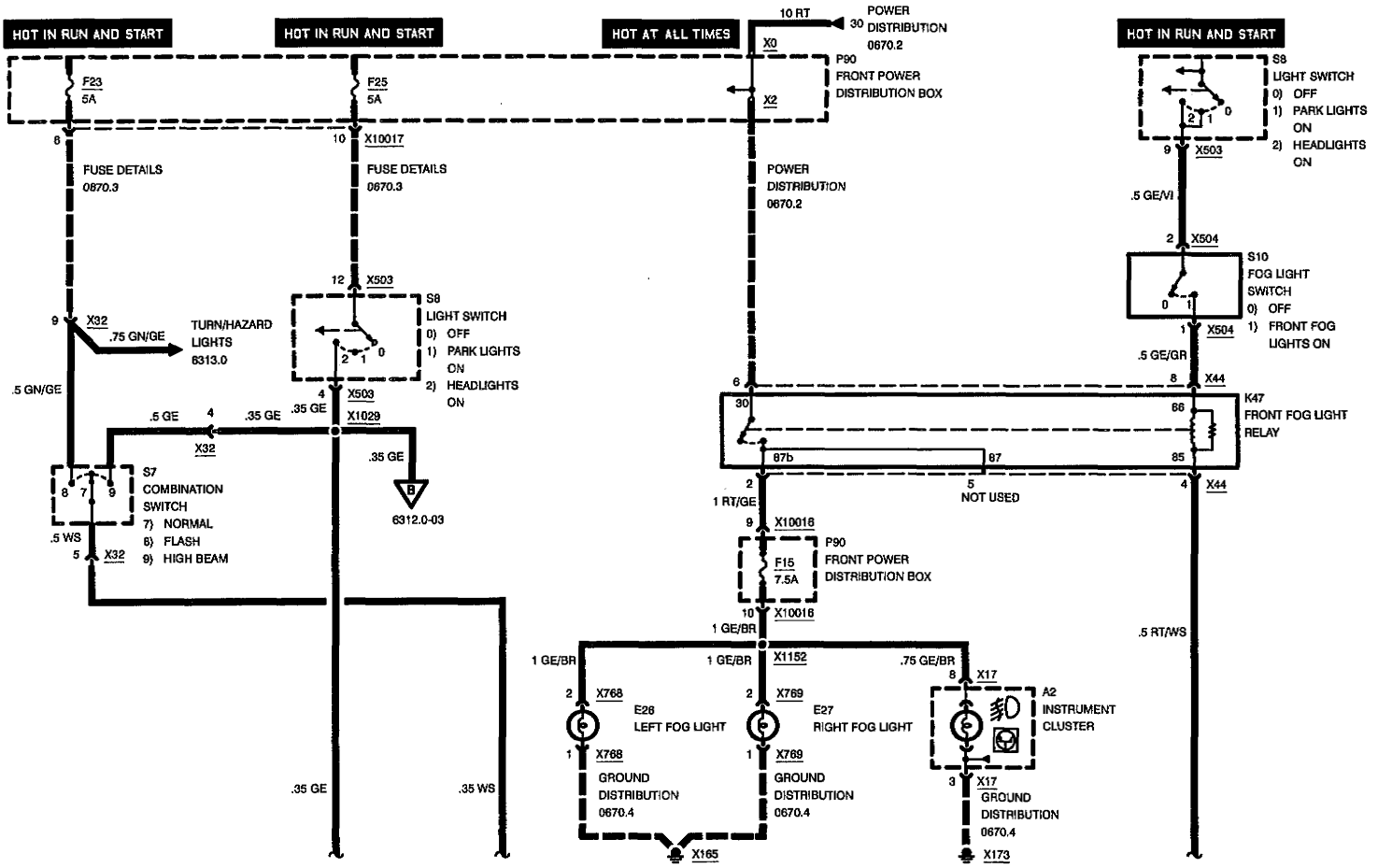


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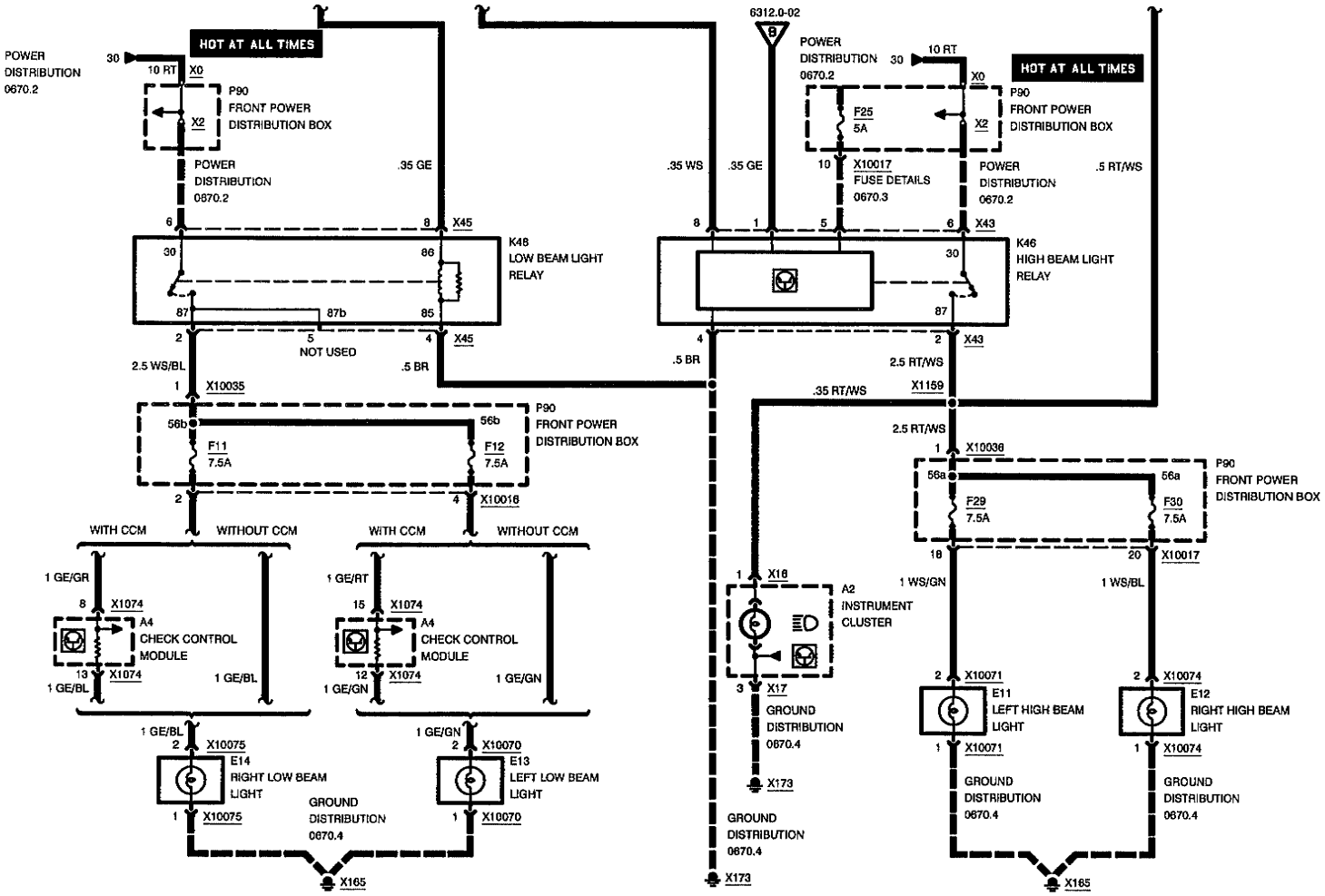
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HEADLIGHTS/FOG LIGHTS



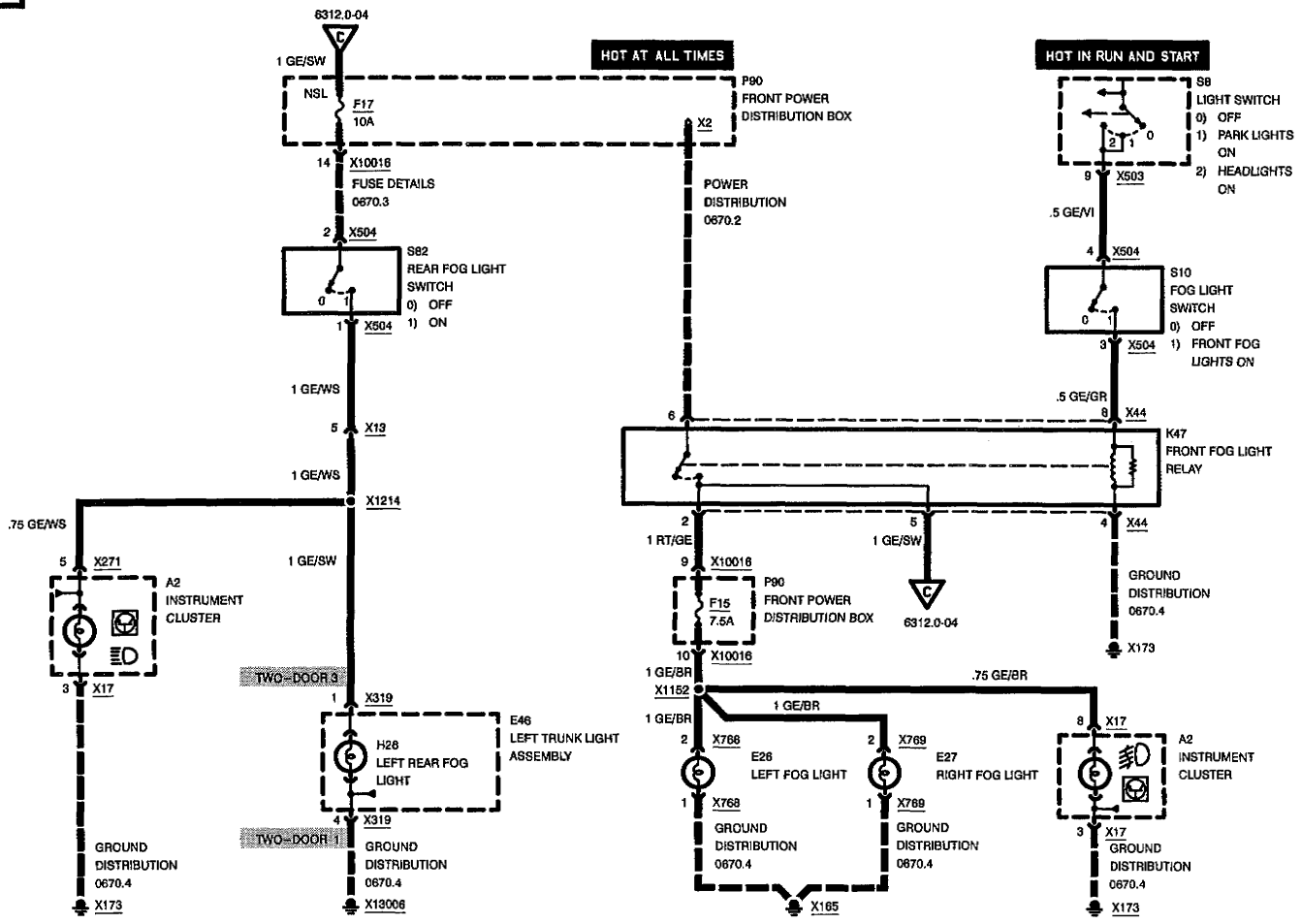
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CDN



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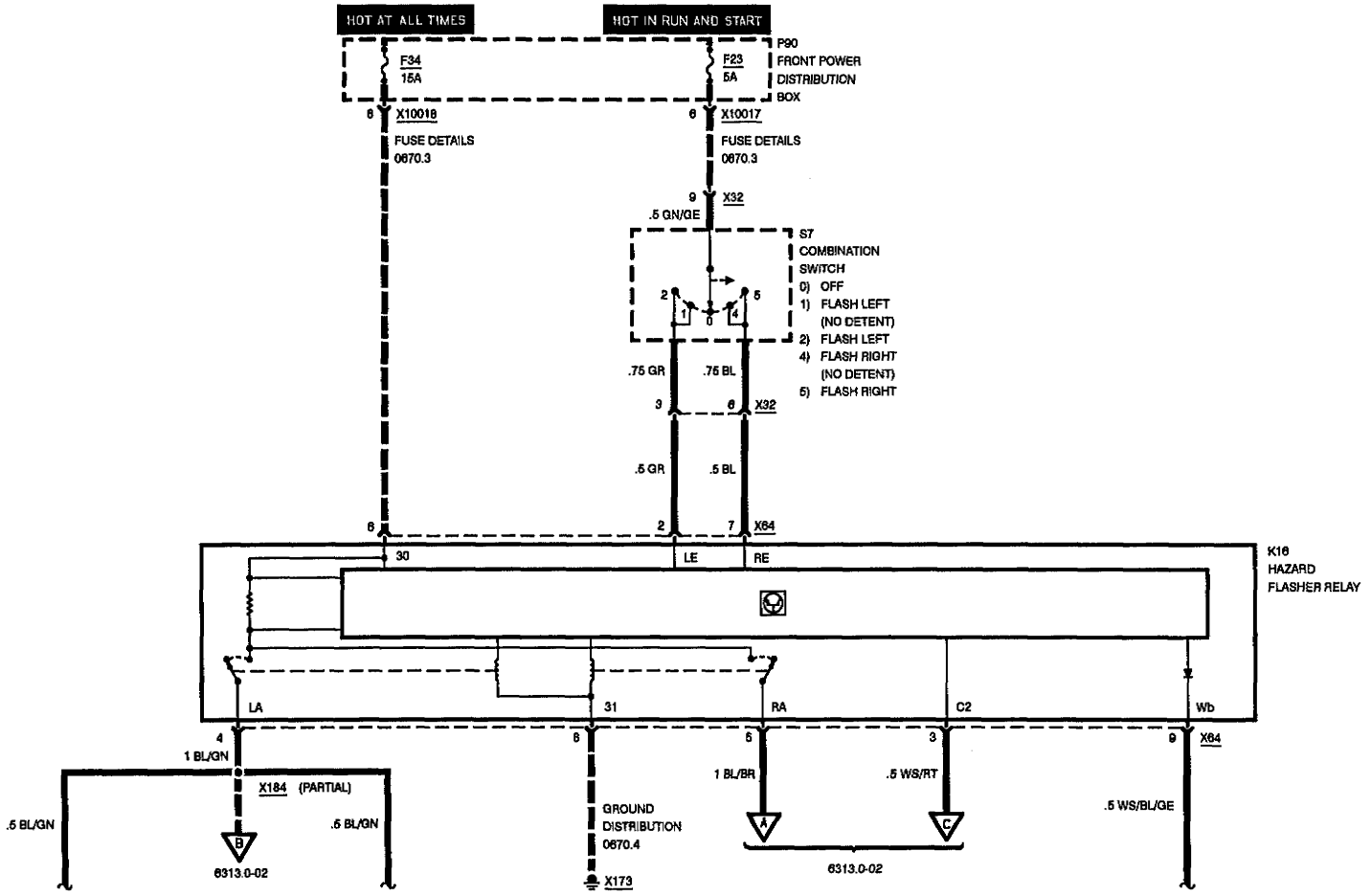
HEADLIGHTS/FOG LIGHTS



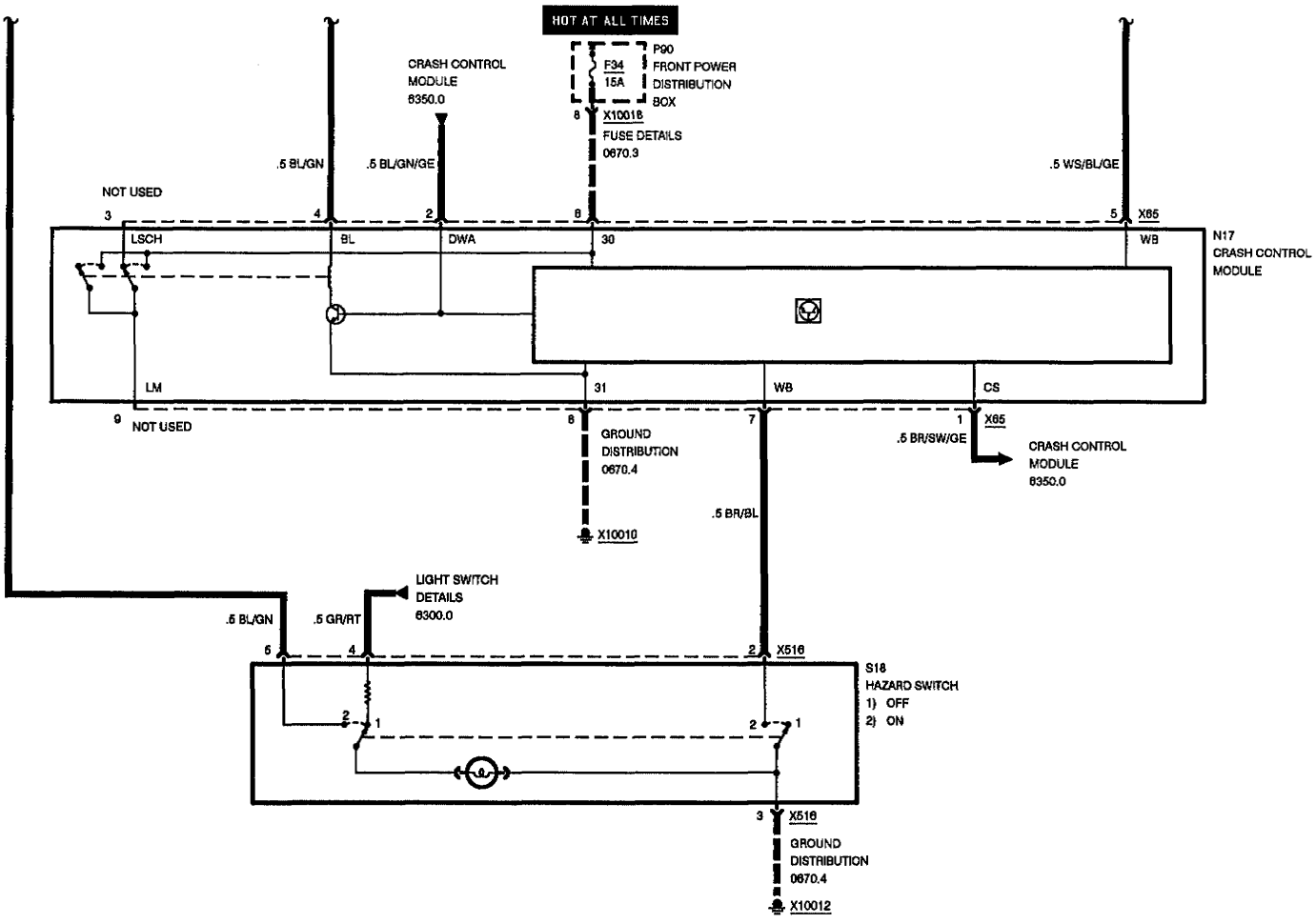
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TURN/HAZARD LIGHTS

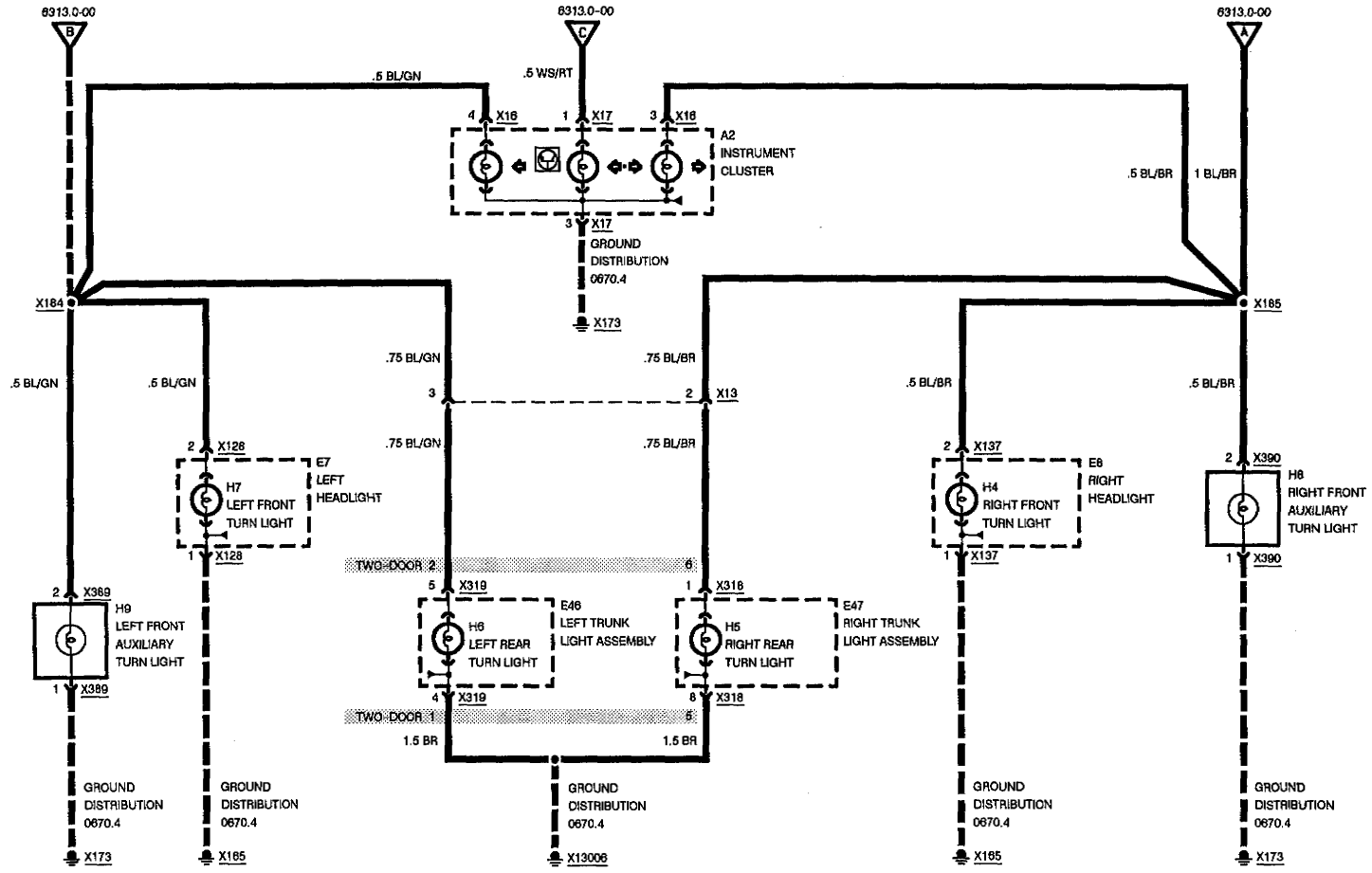


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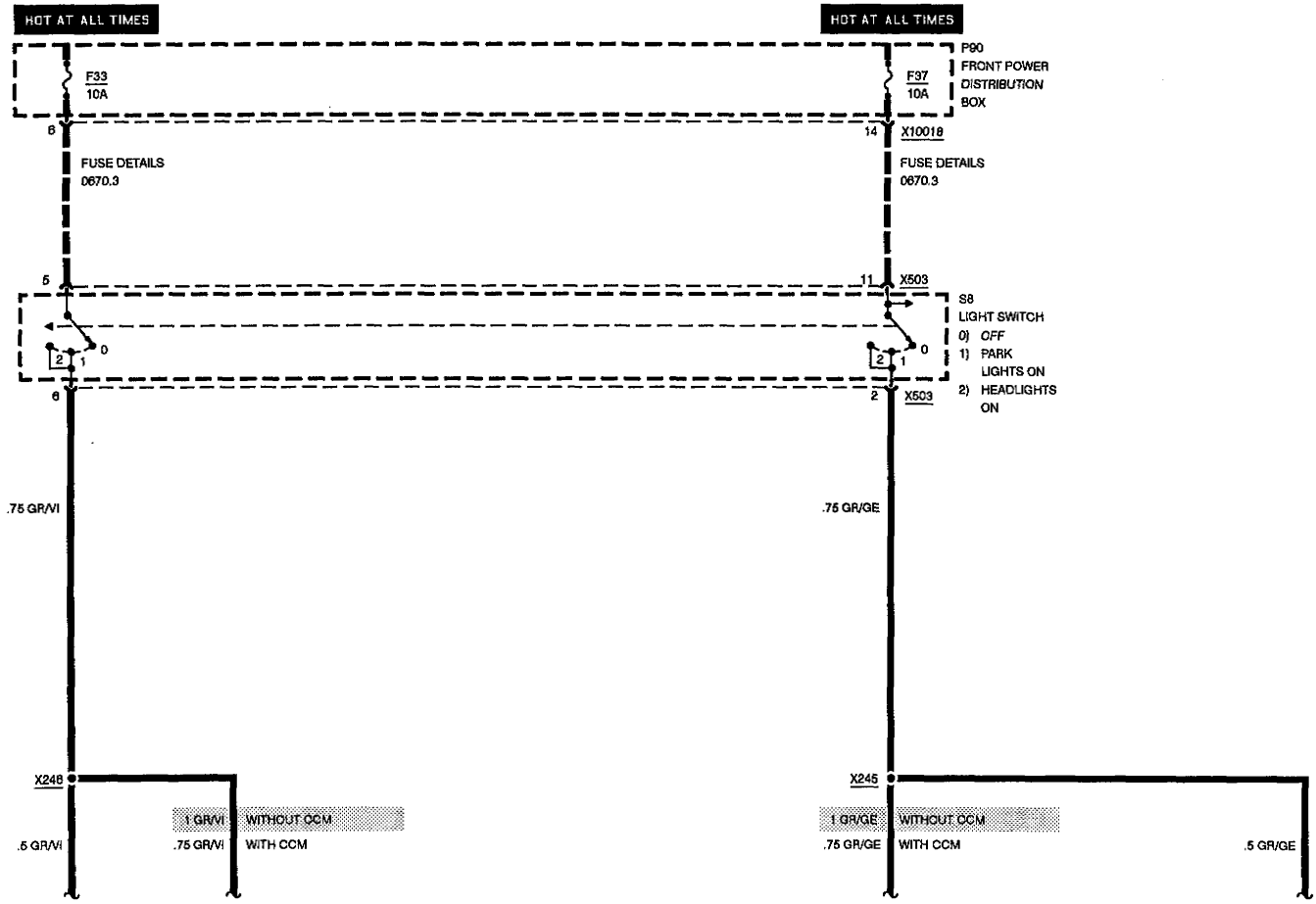
TURN/HAZARD LIGHTS



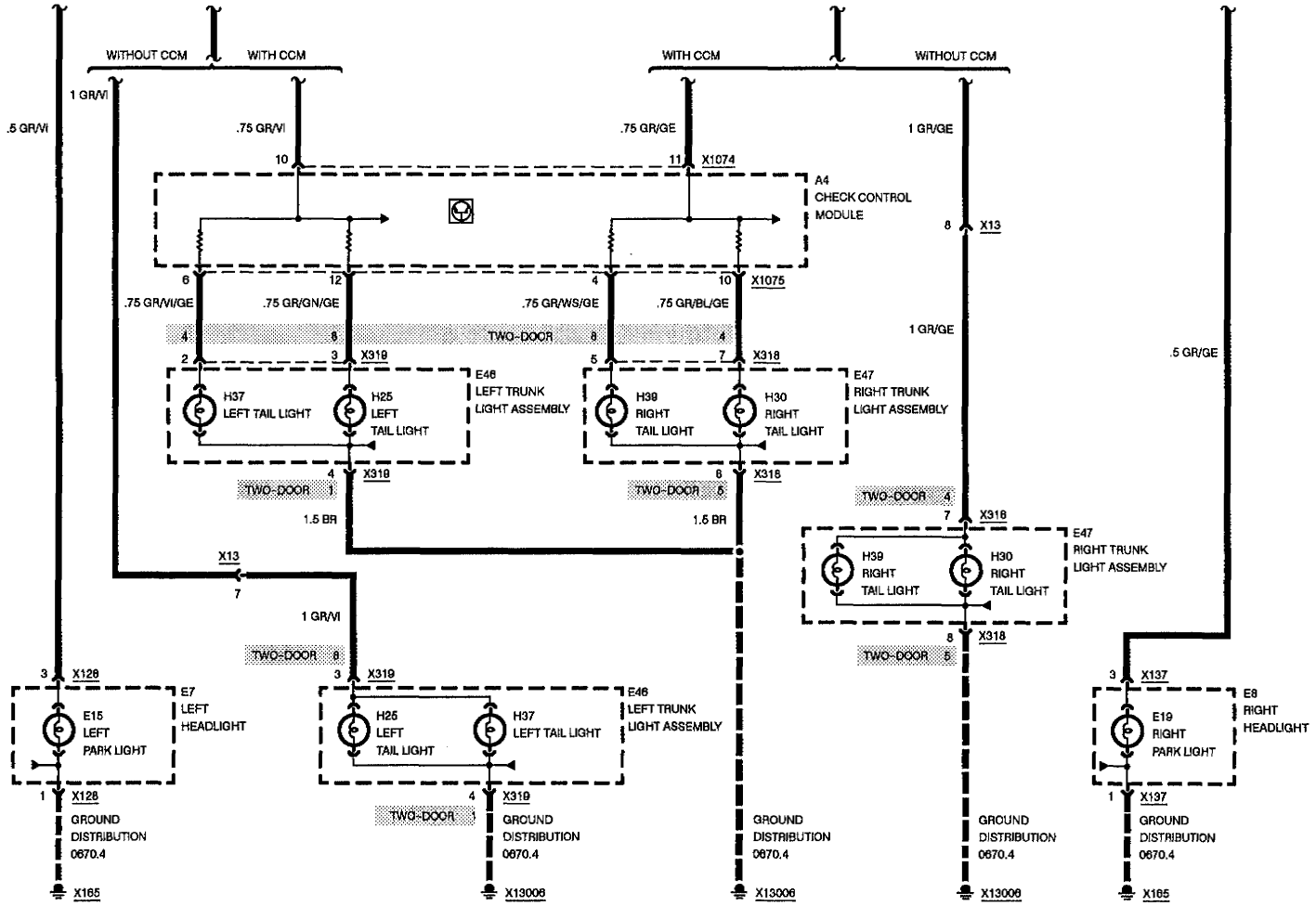
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PARK/TAIL LIGHTS

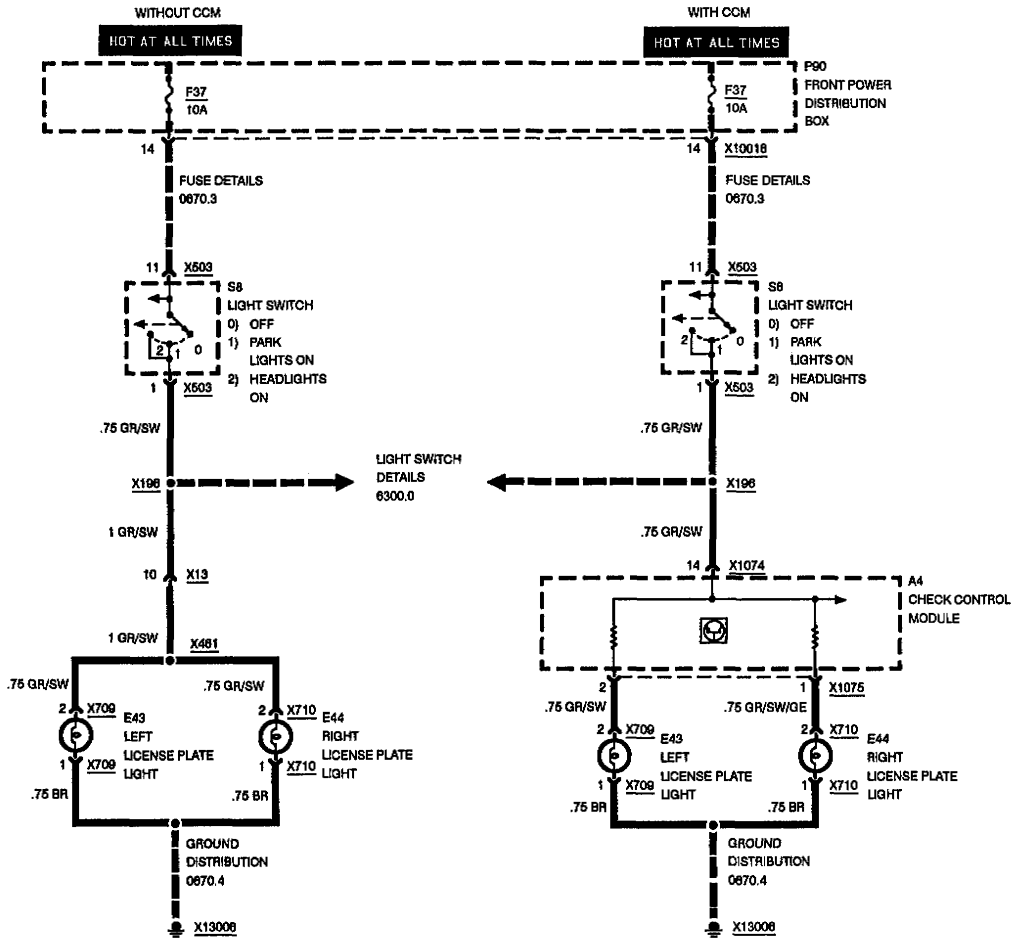


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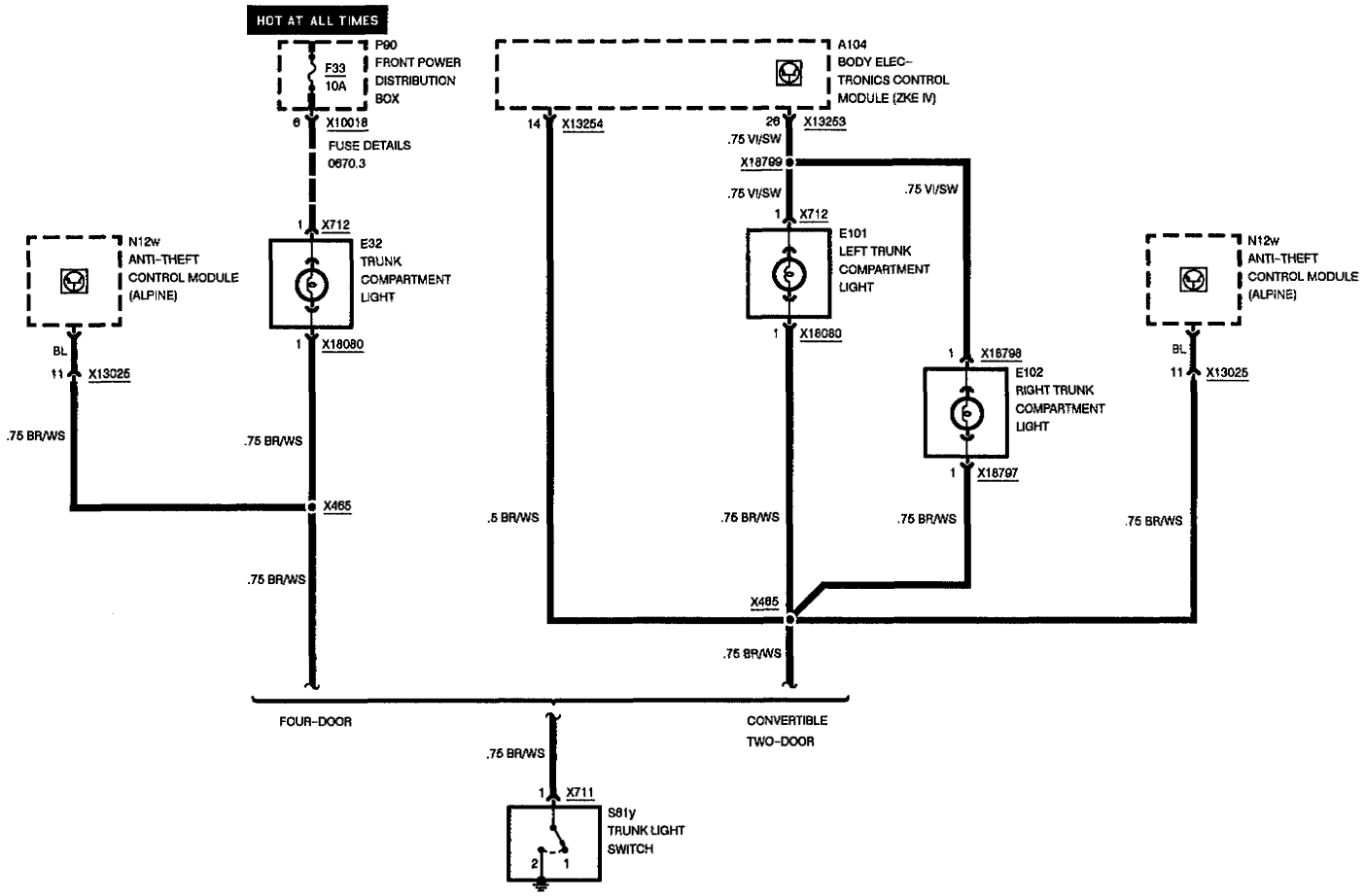
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LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS



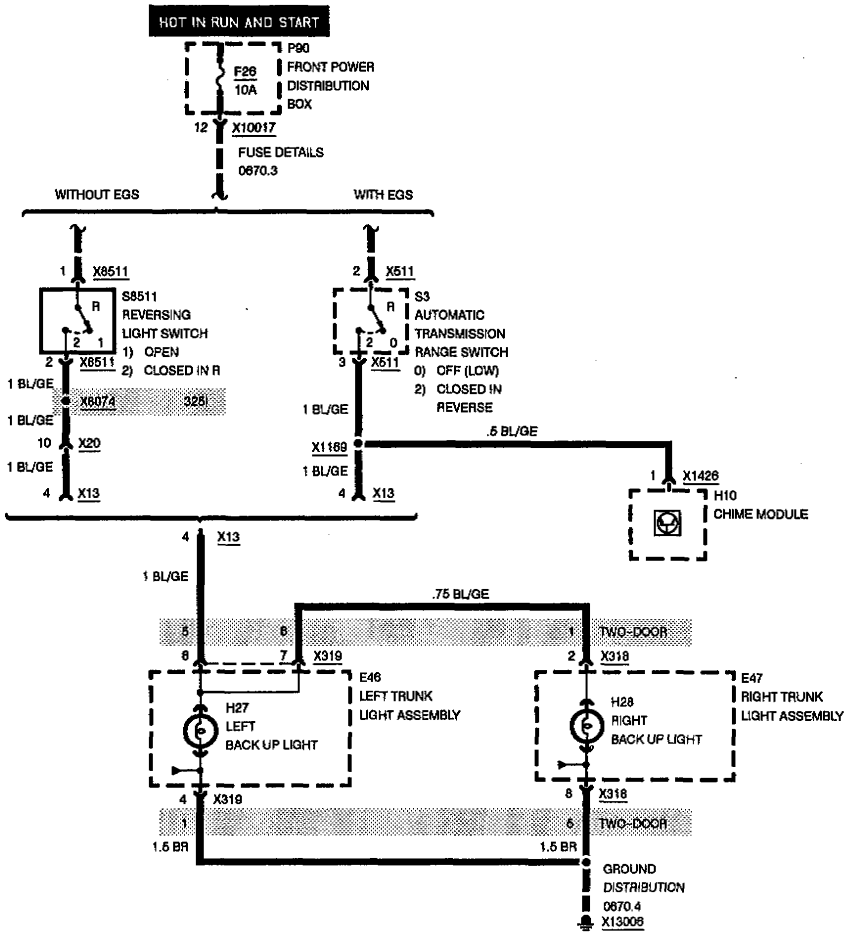
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LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS



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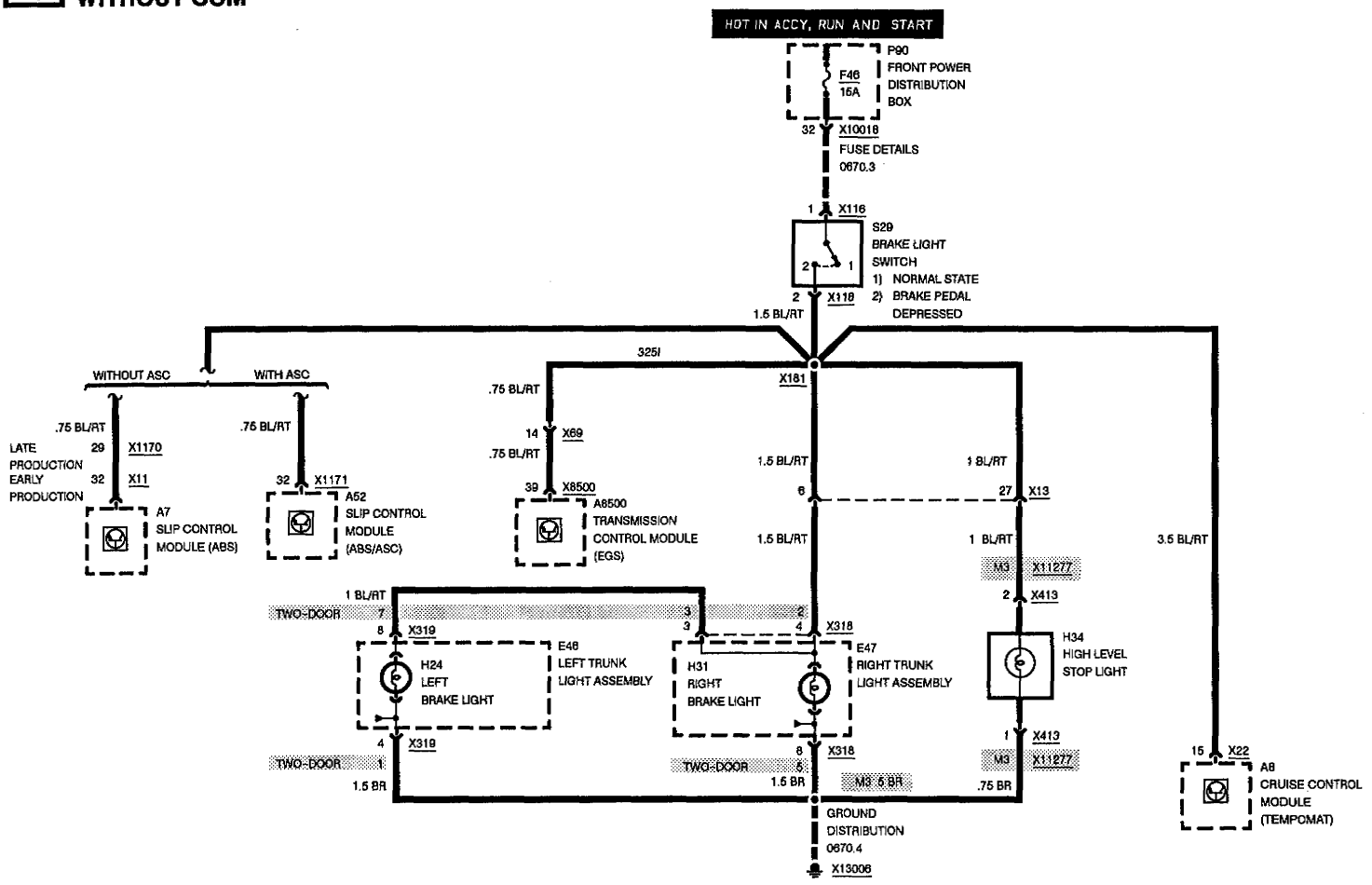
BACK UP LIGHTS



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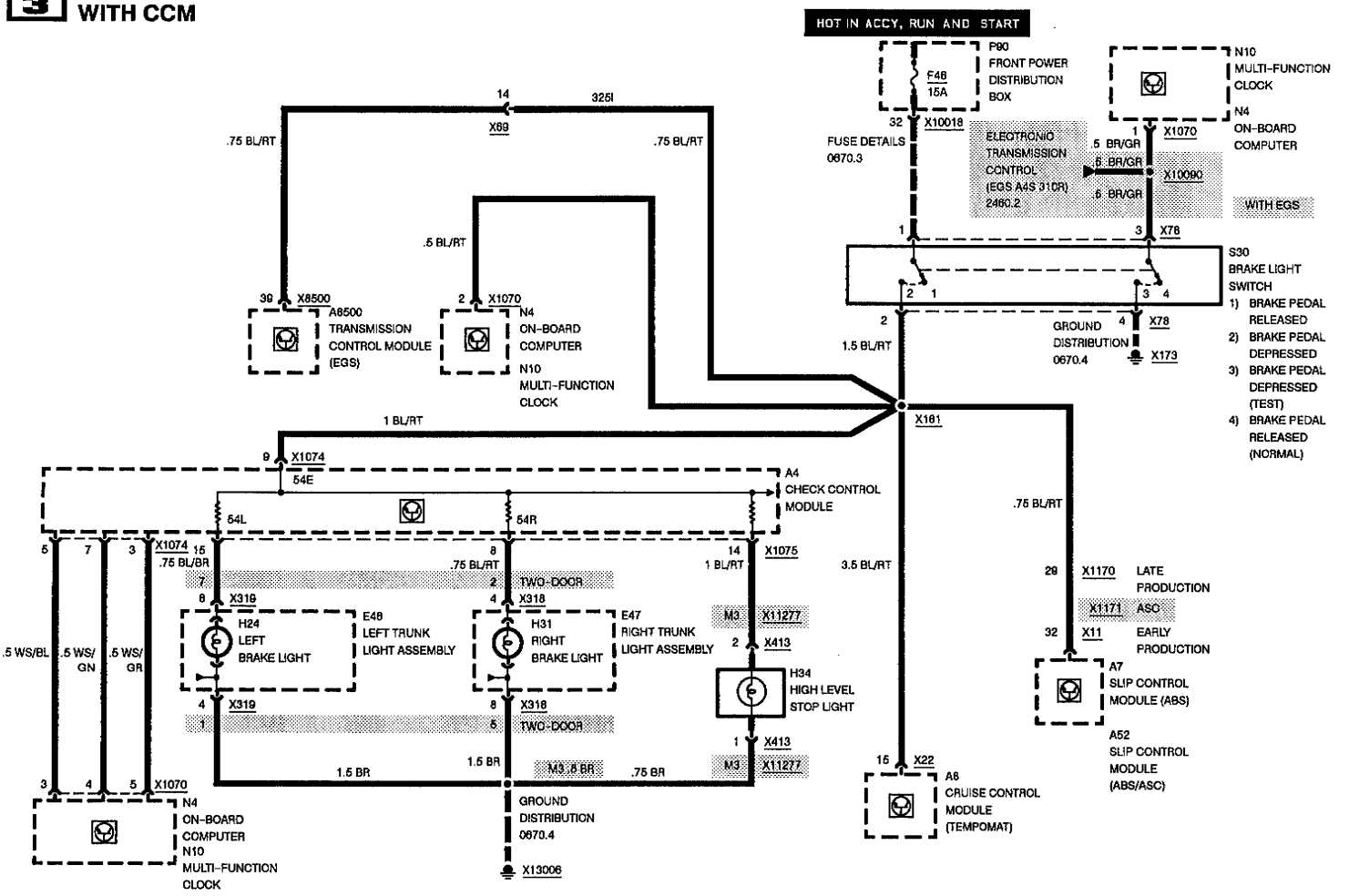
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BRAKE LIGHTS
WITHOUT CCM



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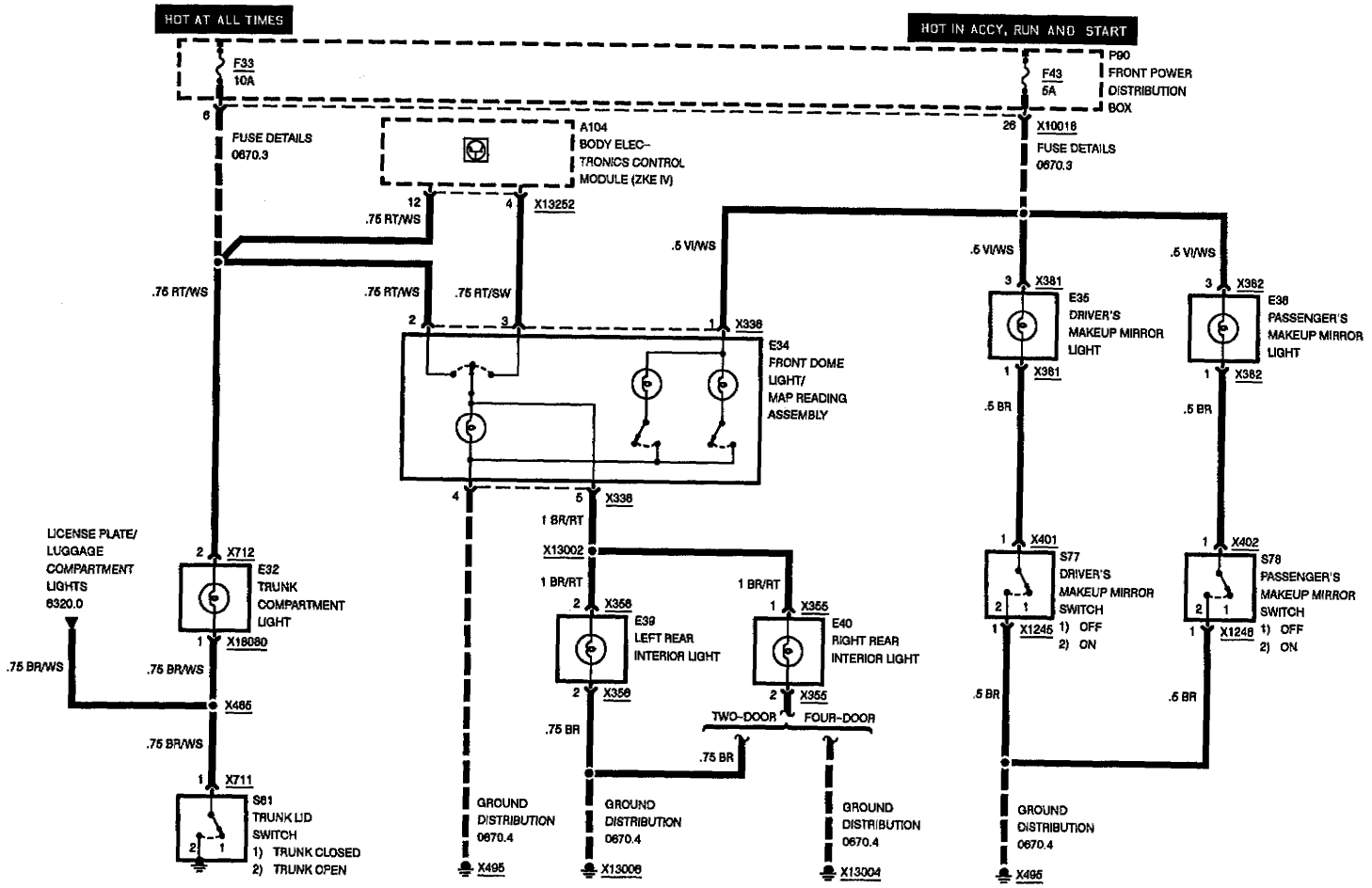
BRAKE LIGHTS
WITH CCM



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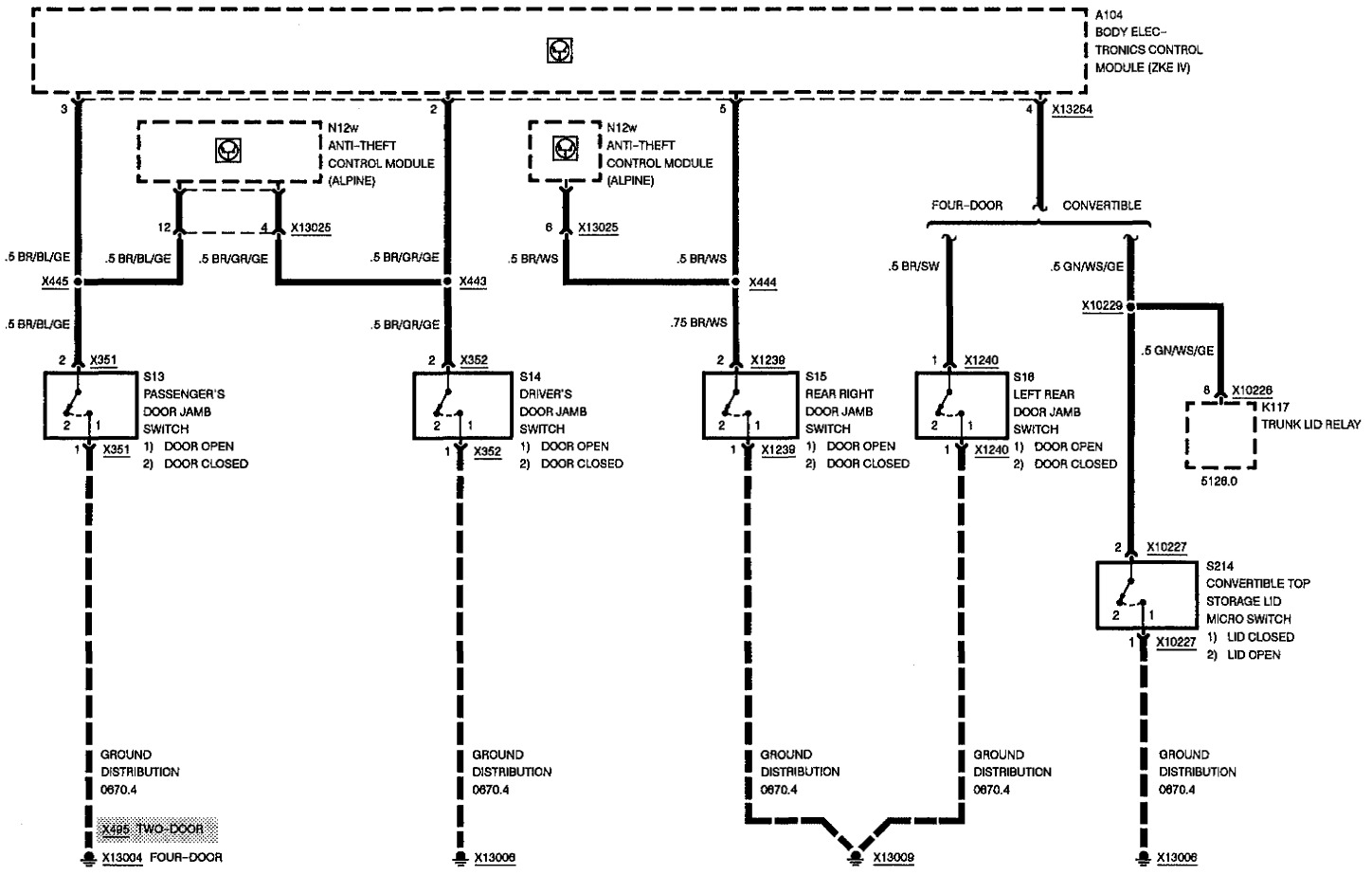
INTERIOR LIGHTS

TWO DOOR/FOUR DOOR



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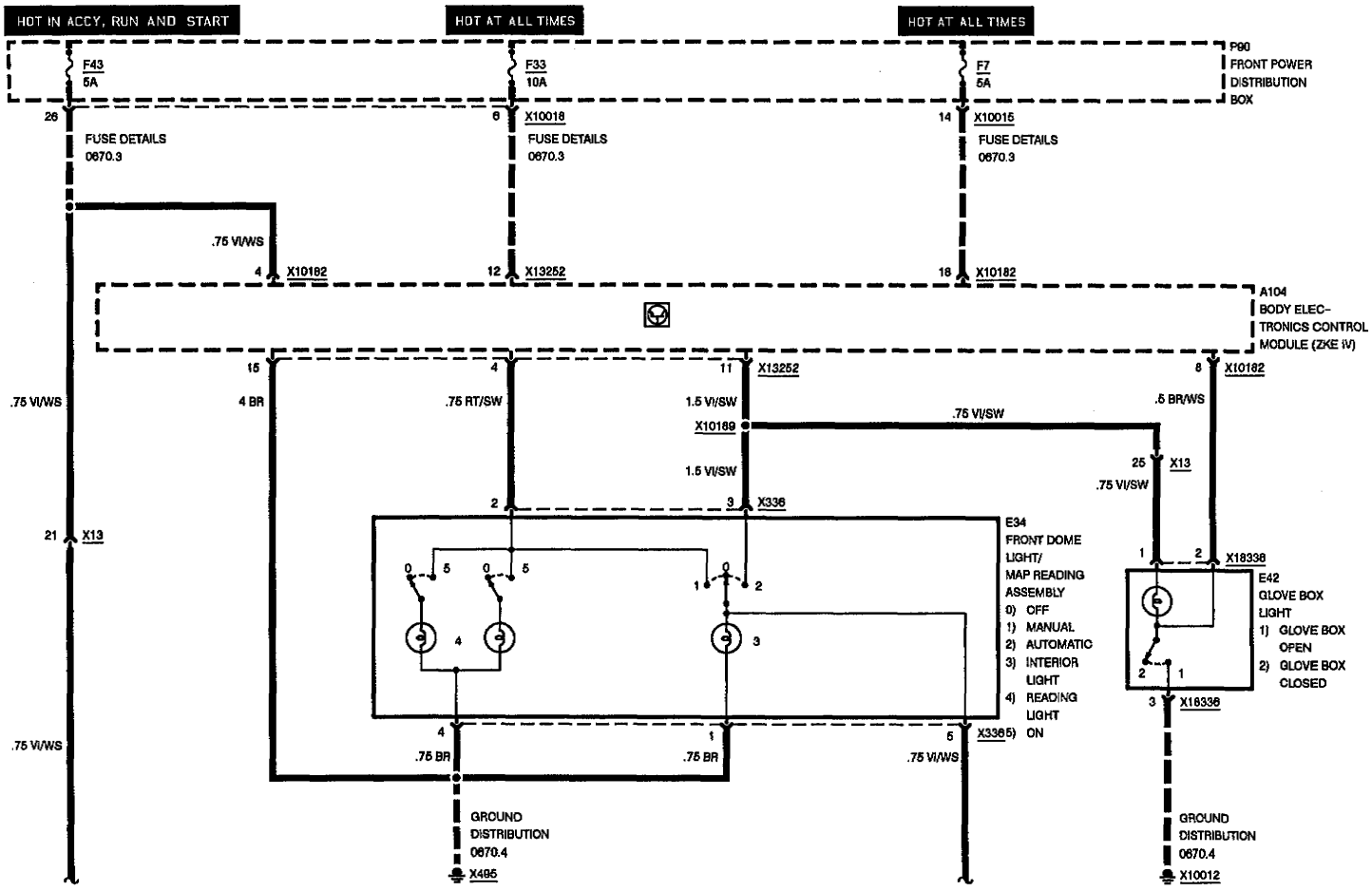
INTERIOR LIGHTS



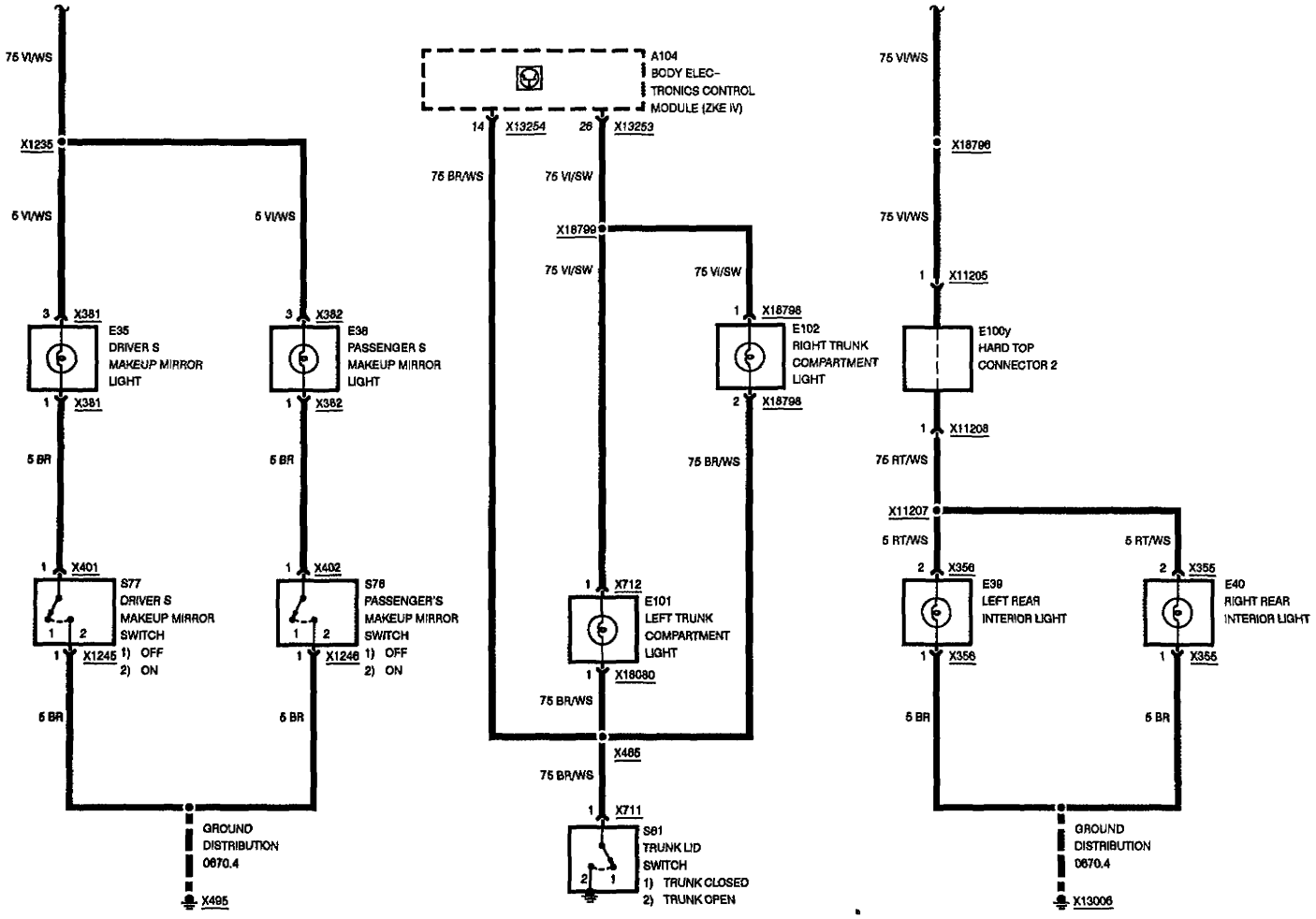
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INTERIOR LIGHTS

CONVERTIBLE

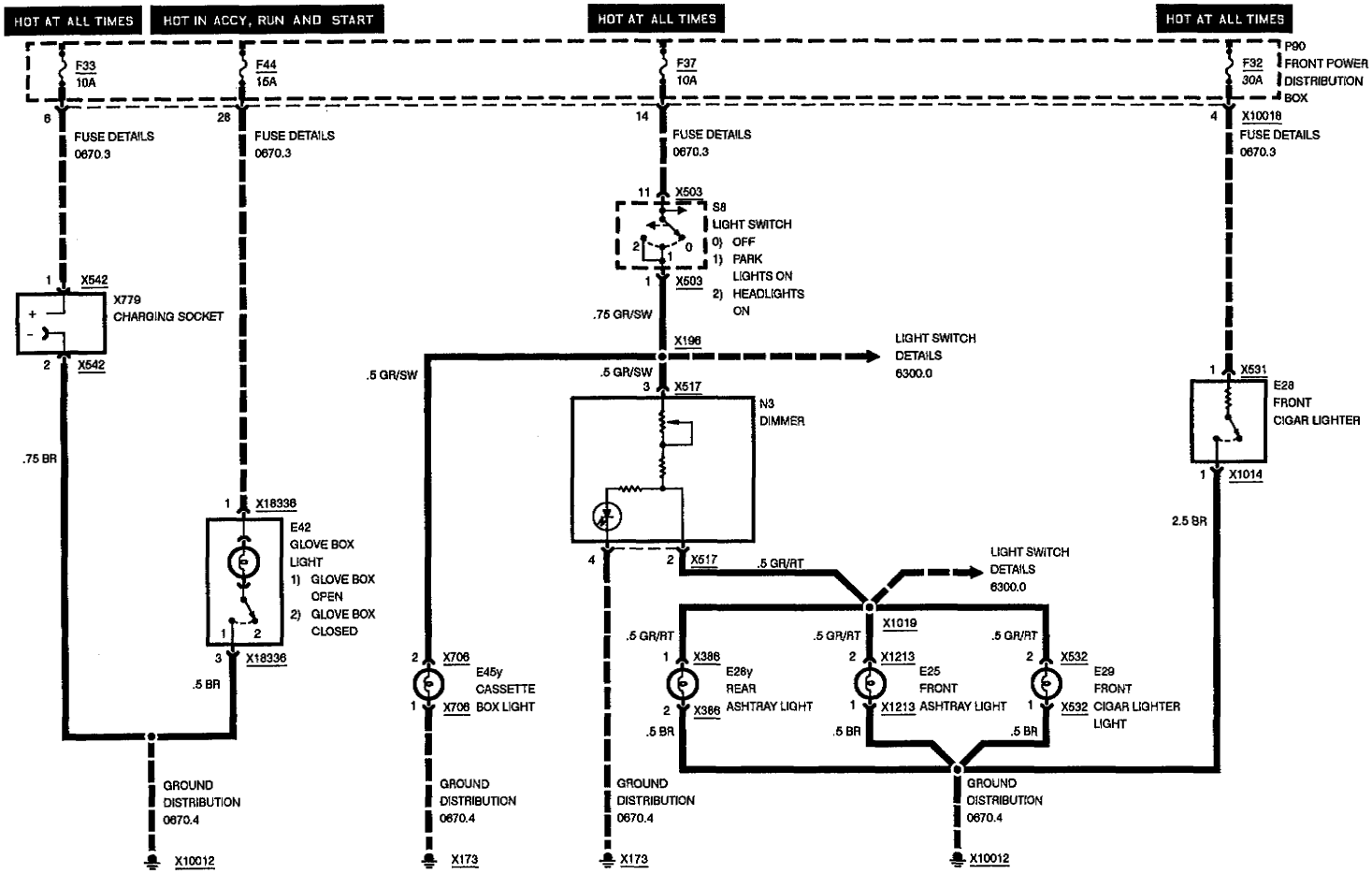


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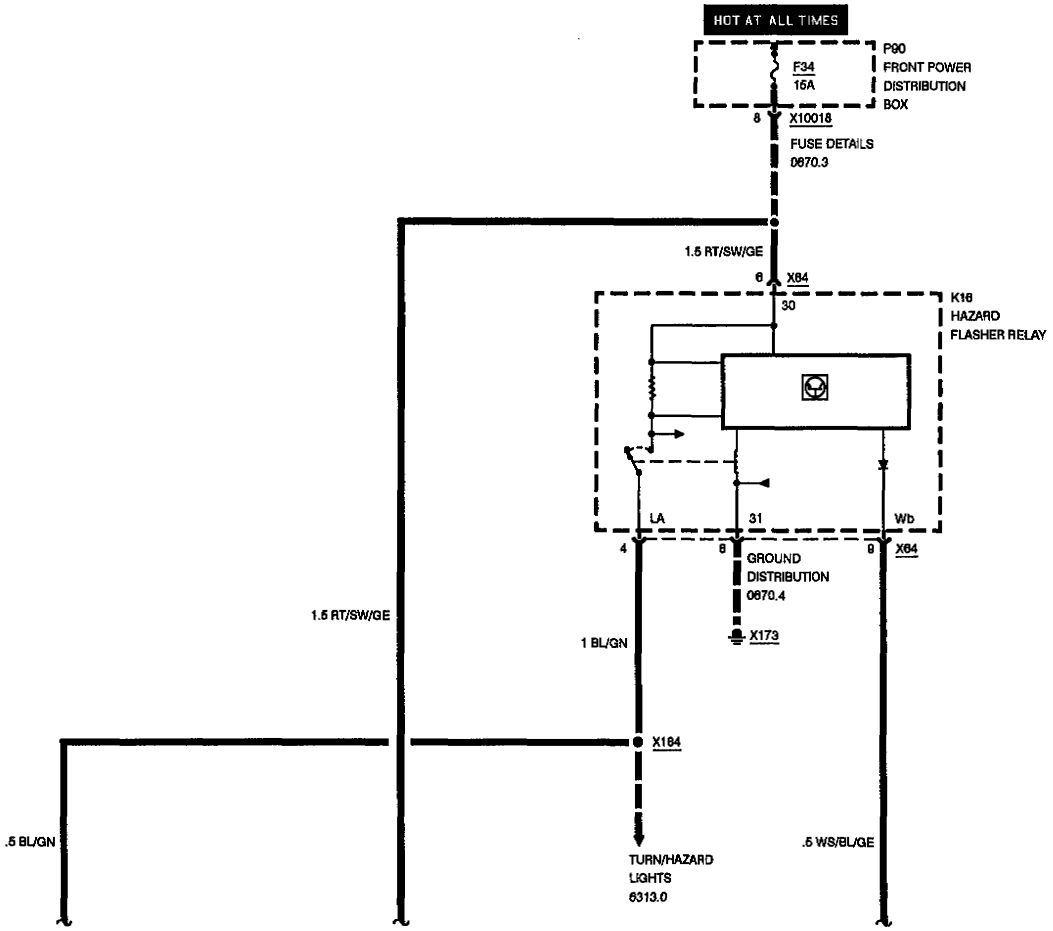
GLOVE BOX LIGHT/CASSETTE BOX/ASHTRAY LIGHT/CHARGING SOCKET/CIGAR LIGHTER



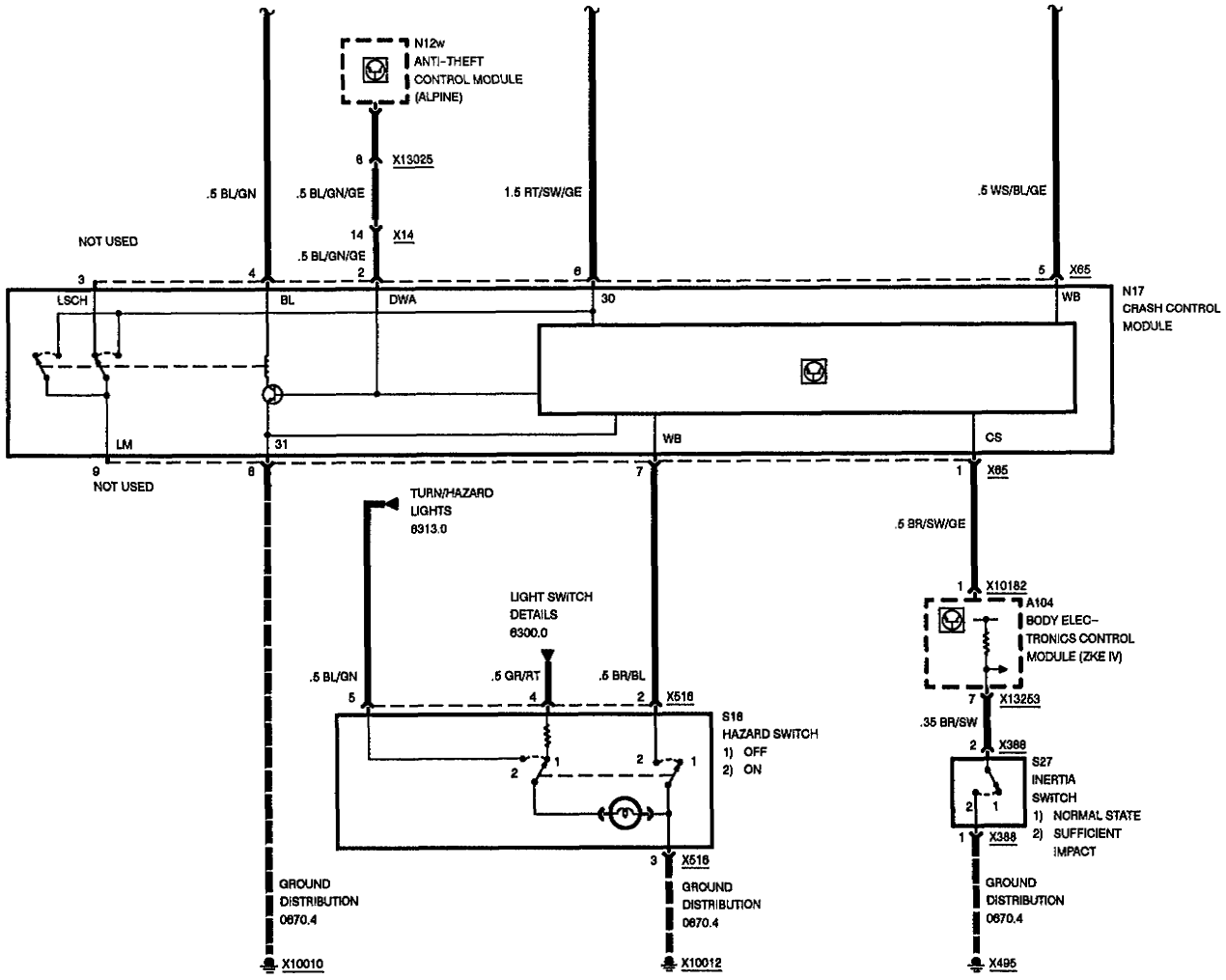
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CRASH CONTROL MODULE

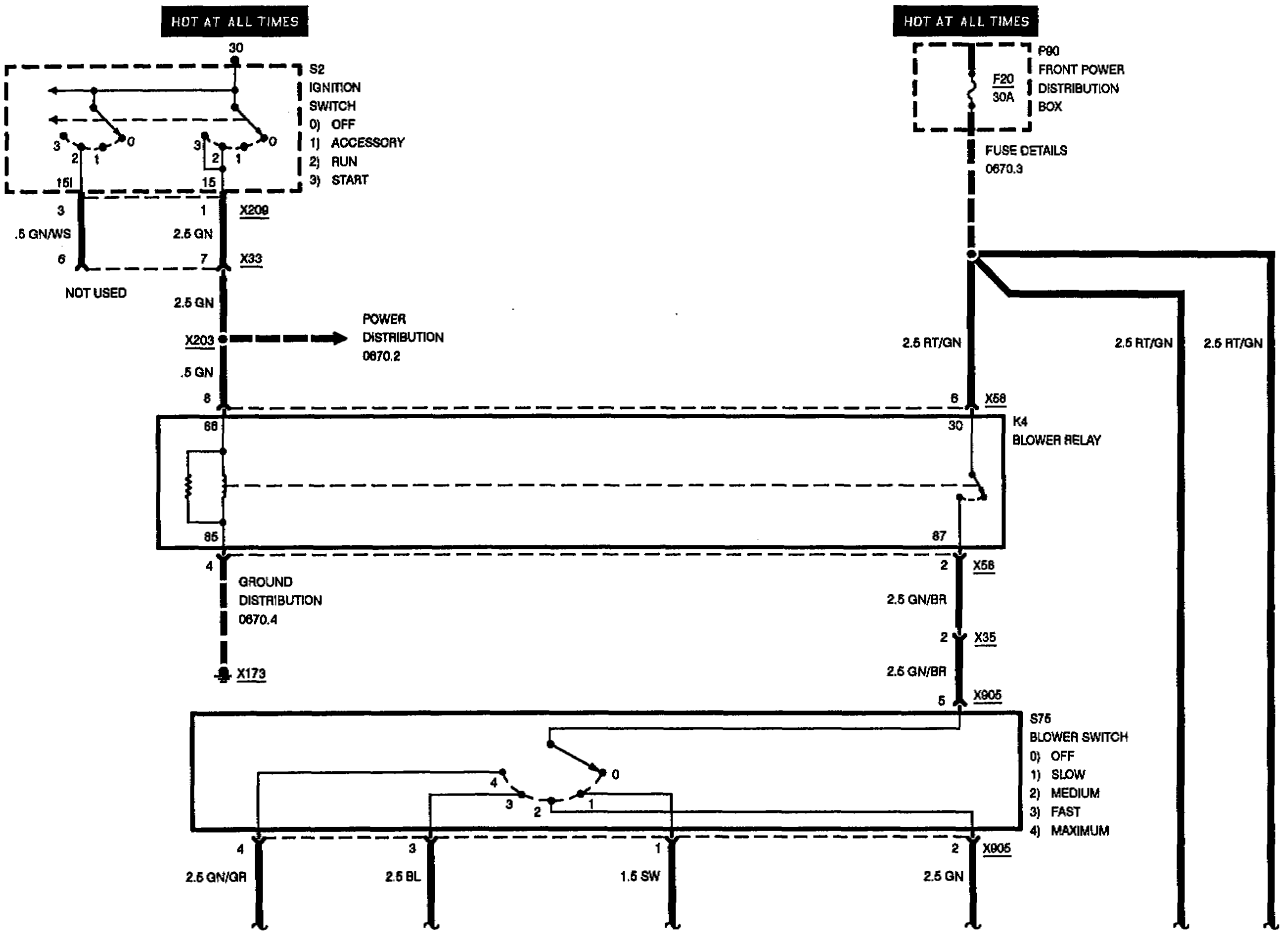


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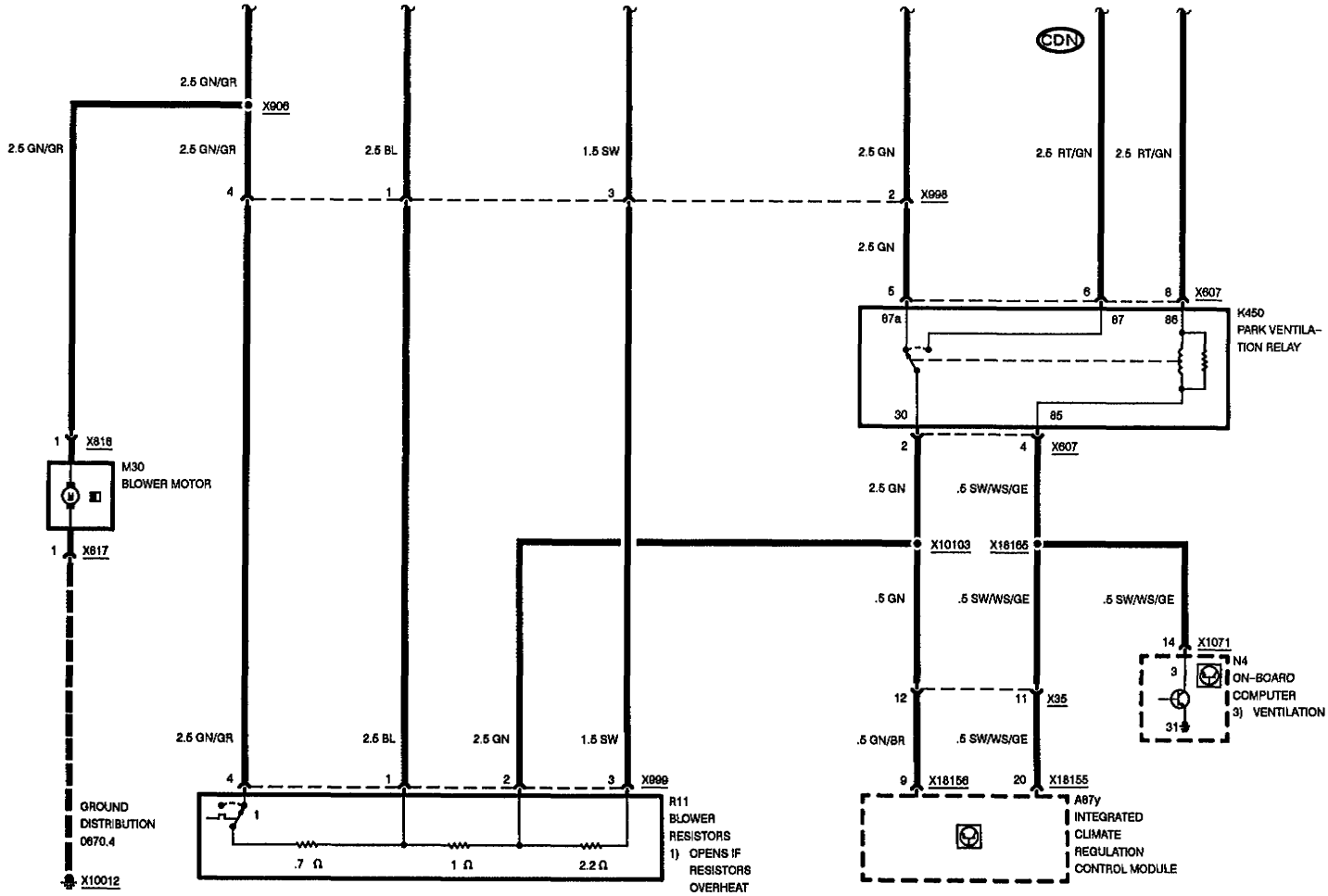


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PARK VENTILATION WITH IHKR

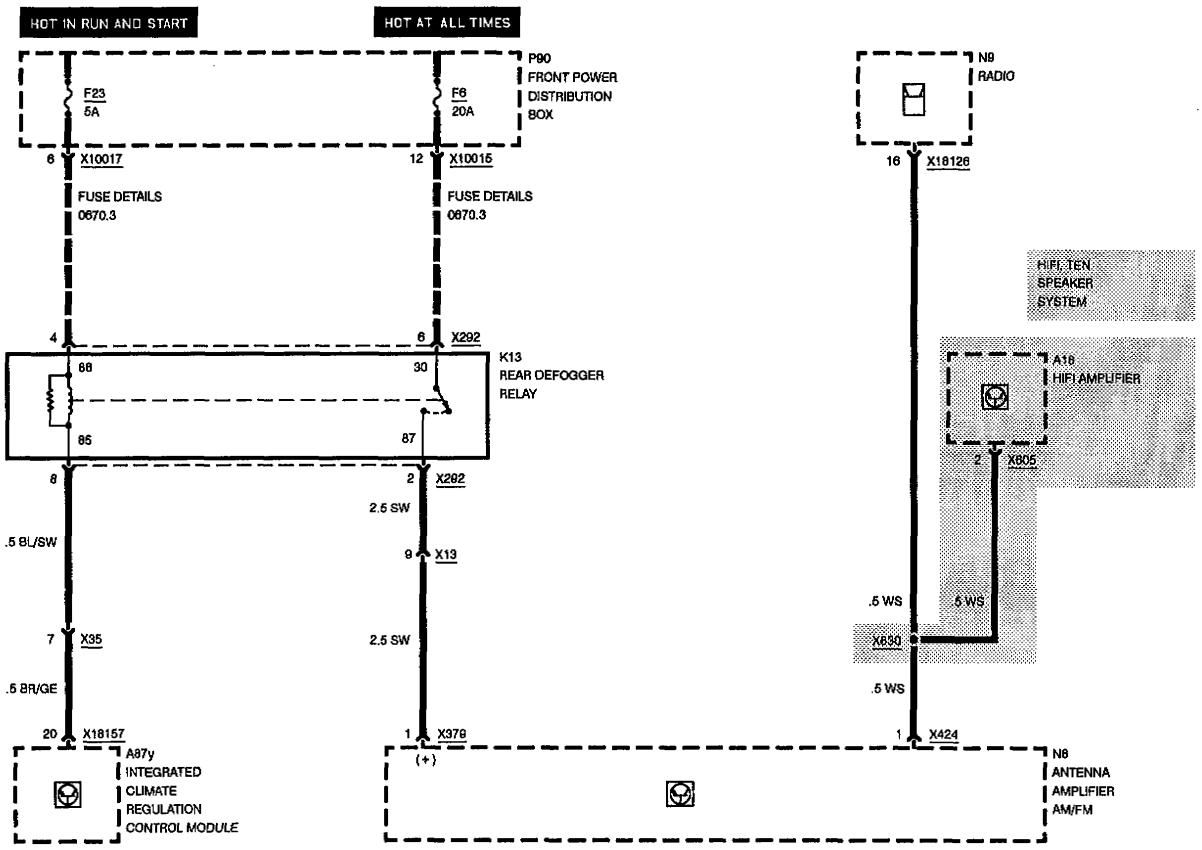


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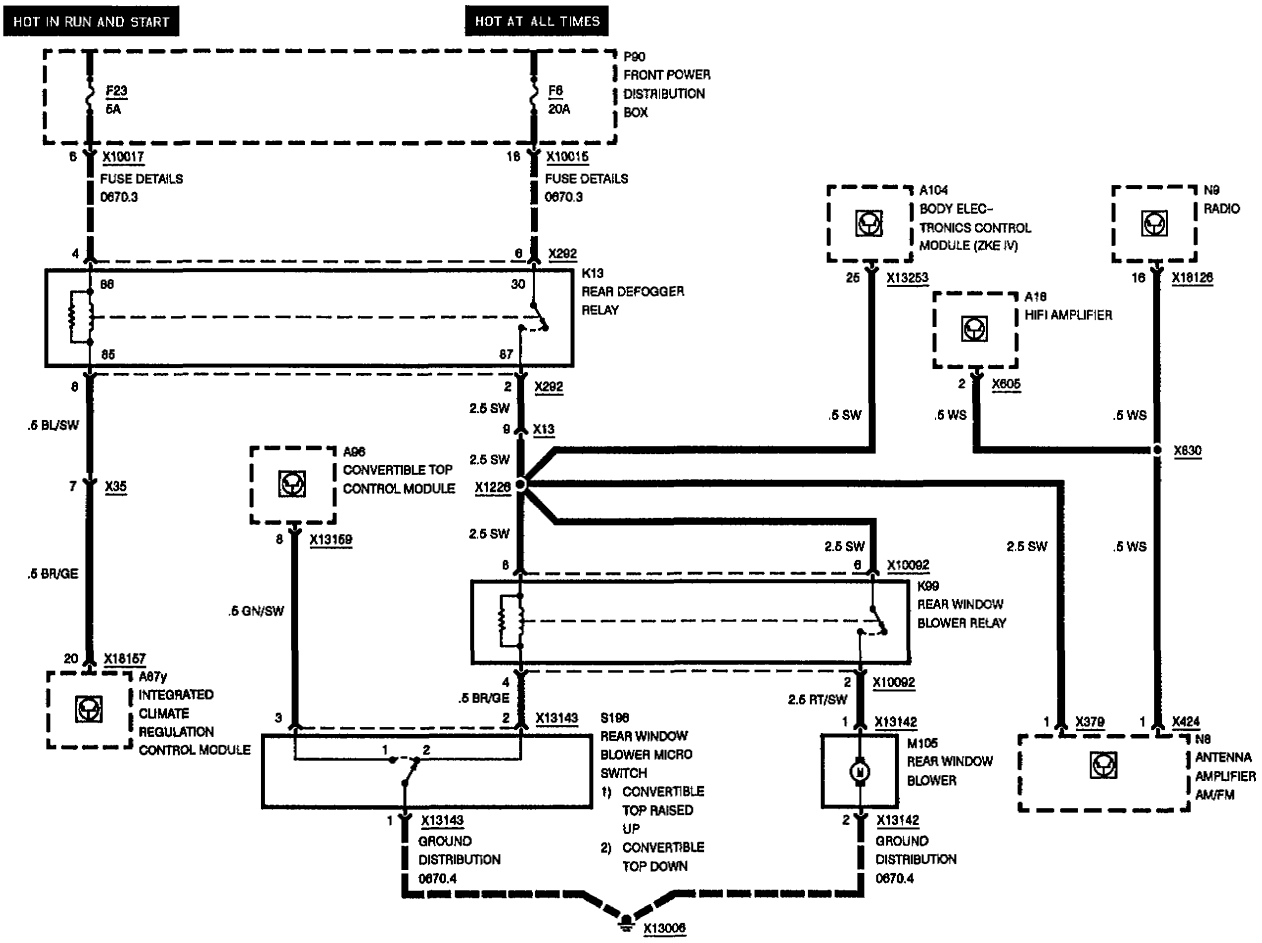
REAR WINDOW DEFOGGER



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REAR WINDOW DEFOGGER

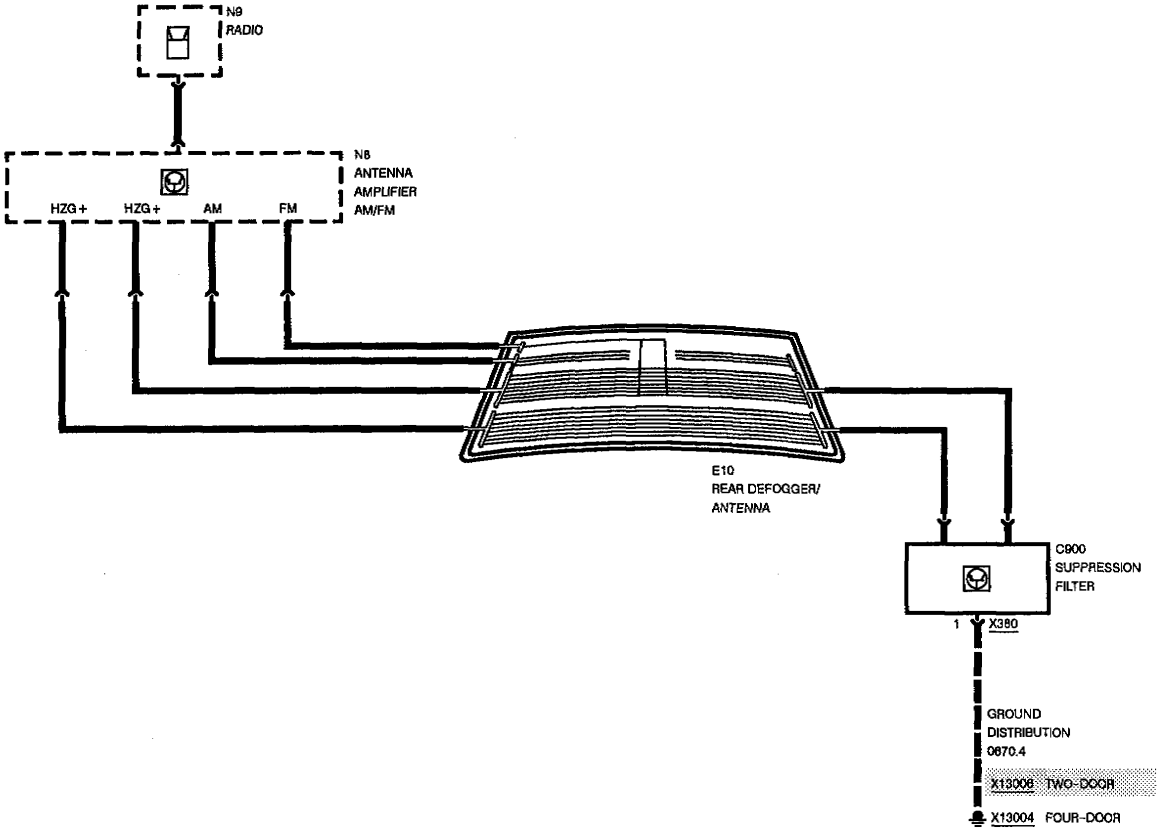
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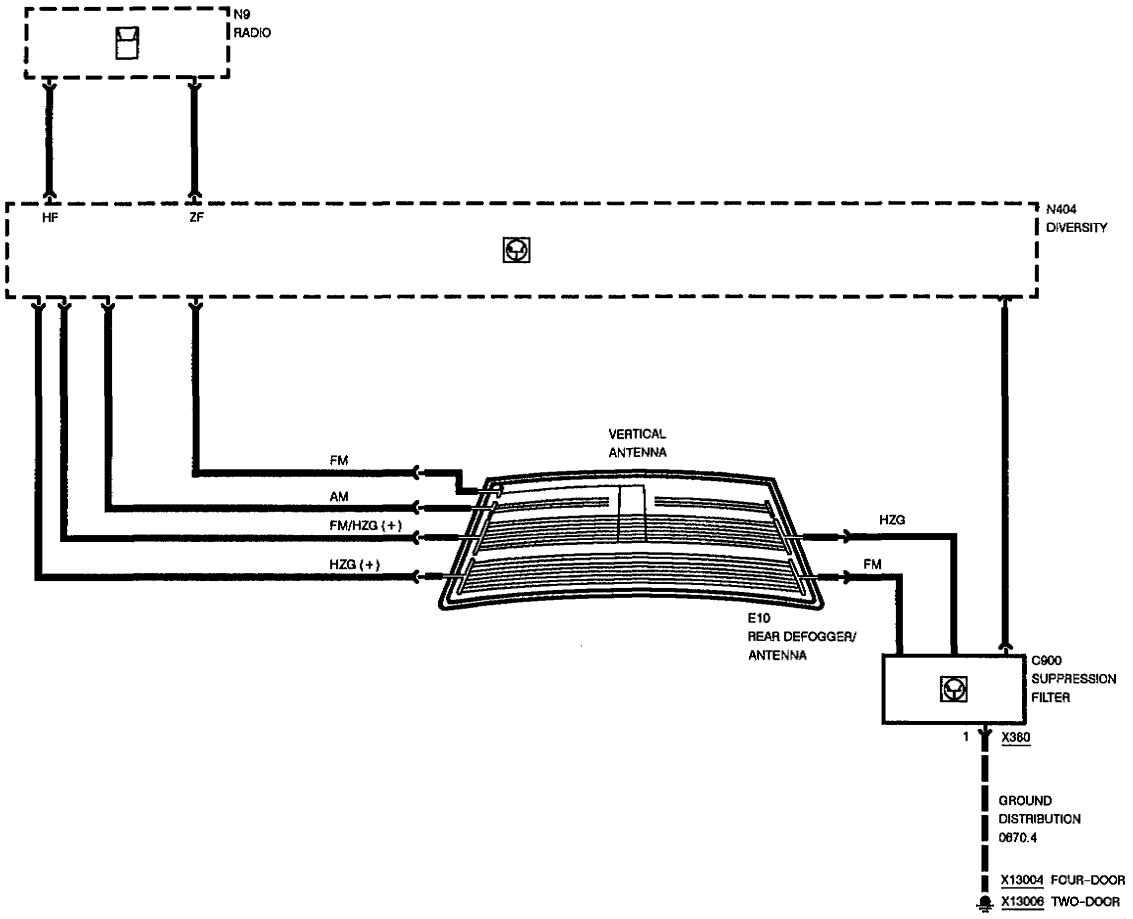
REAR WINDOW ANTENNA



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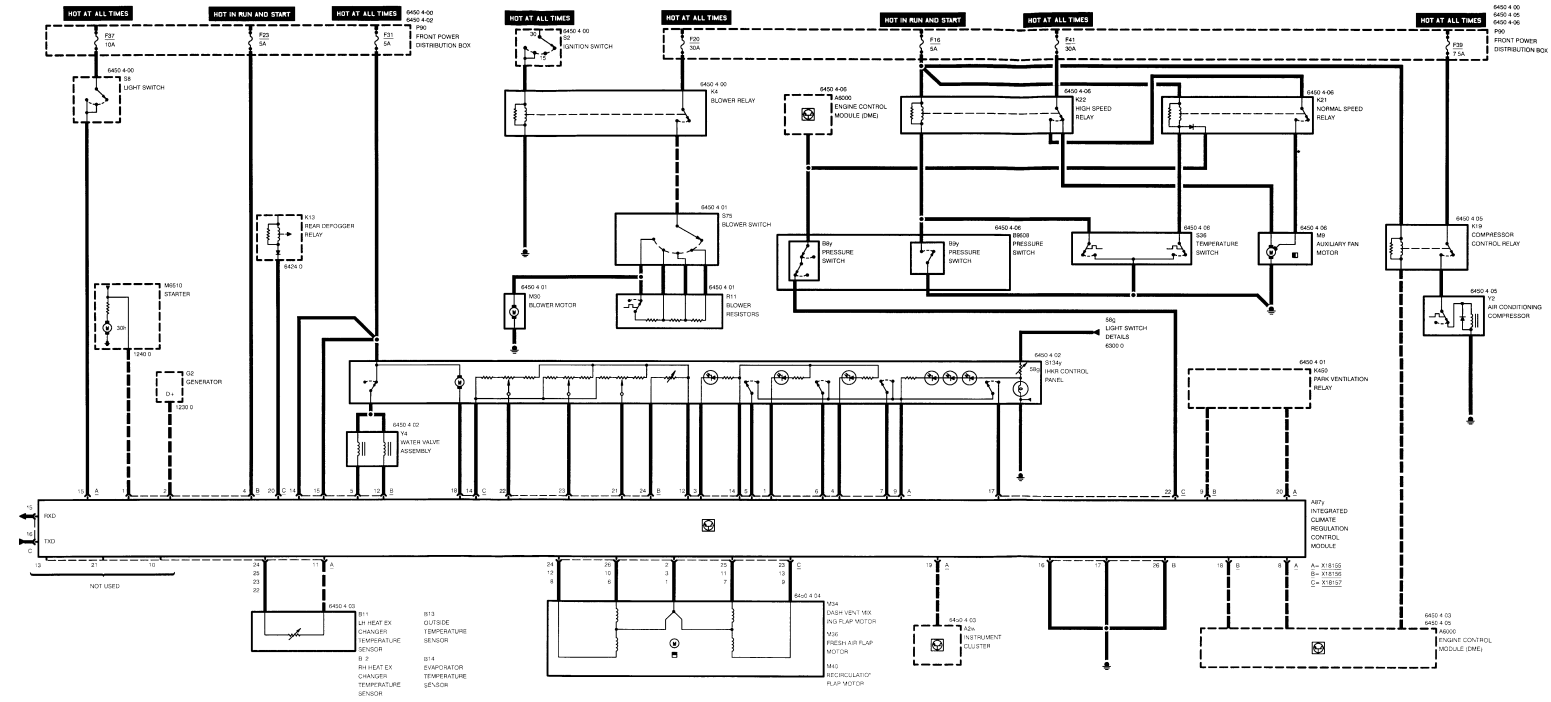
REAR WINDOW DEFOGGER

3-ANTENNA-DIVERSITY



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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 switch, and function lights	IHKR control panel
10		Not used	
11	A	Ground for temperature sensors	Various temperature sensors
12	A	Ground for rotary switches and interior temperature sensor	IHKR control panel
13		Not used	
14	E	Voltage supply for function lights	IHKR control panel
15 (USA)	E	Terminal 58K	Light switch
16		Not used	
17		Not used	
18	E	Crankshaft position/RPM signal TD	Engine control module (DME)
19	A	Vehicle speed	Instrument cluster
20	E	Independent ventilation	Park heating/ventilation relay
21		Not used	
22	A/E	Evaporator temperature	Evaporator temperature sensor
23	A/E	Outside temperature	Outside temperature sensor

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
24	A/E	Heater temperature, left	Left heat exchanger temperature sensor
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		Terminal 15 (independent ventilation only)	Park heating/ventilation relay
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

E = Input, A = Output, M = Ground

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Pin Assignments

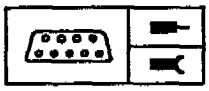
Pin	Type	Description/Function	Connection
25		Not used	
26	M	Ground for electronics	Ground point

X18157

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	Pressure switch
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

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
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

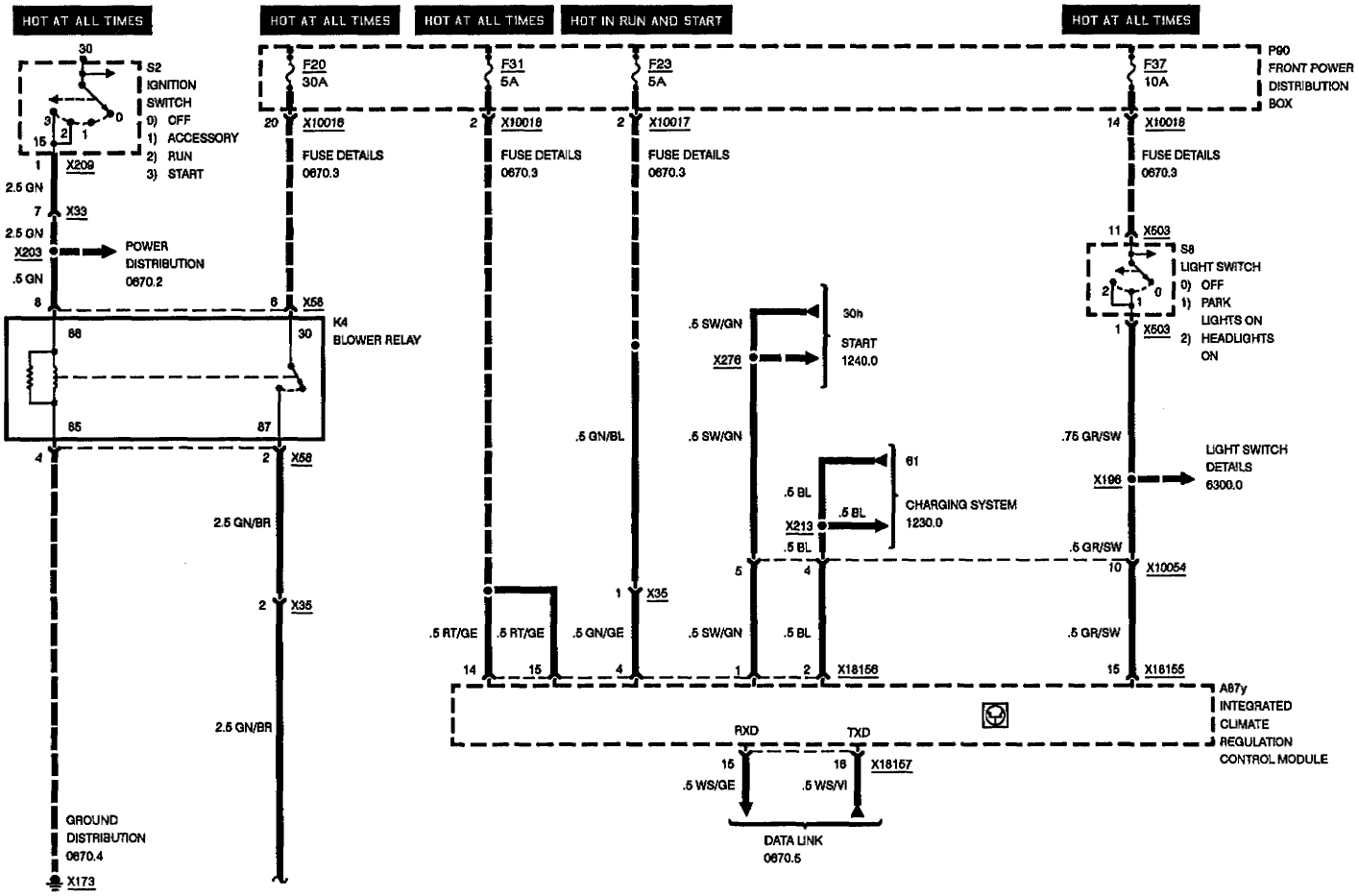
E = Input, A = Output, M = Ground

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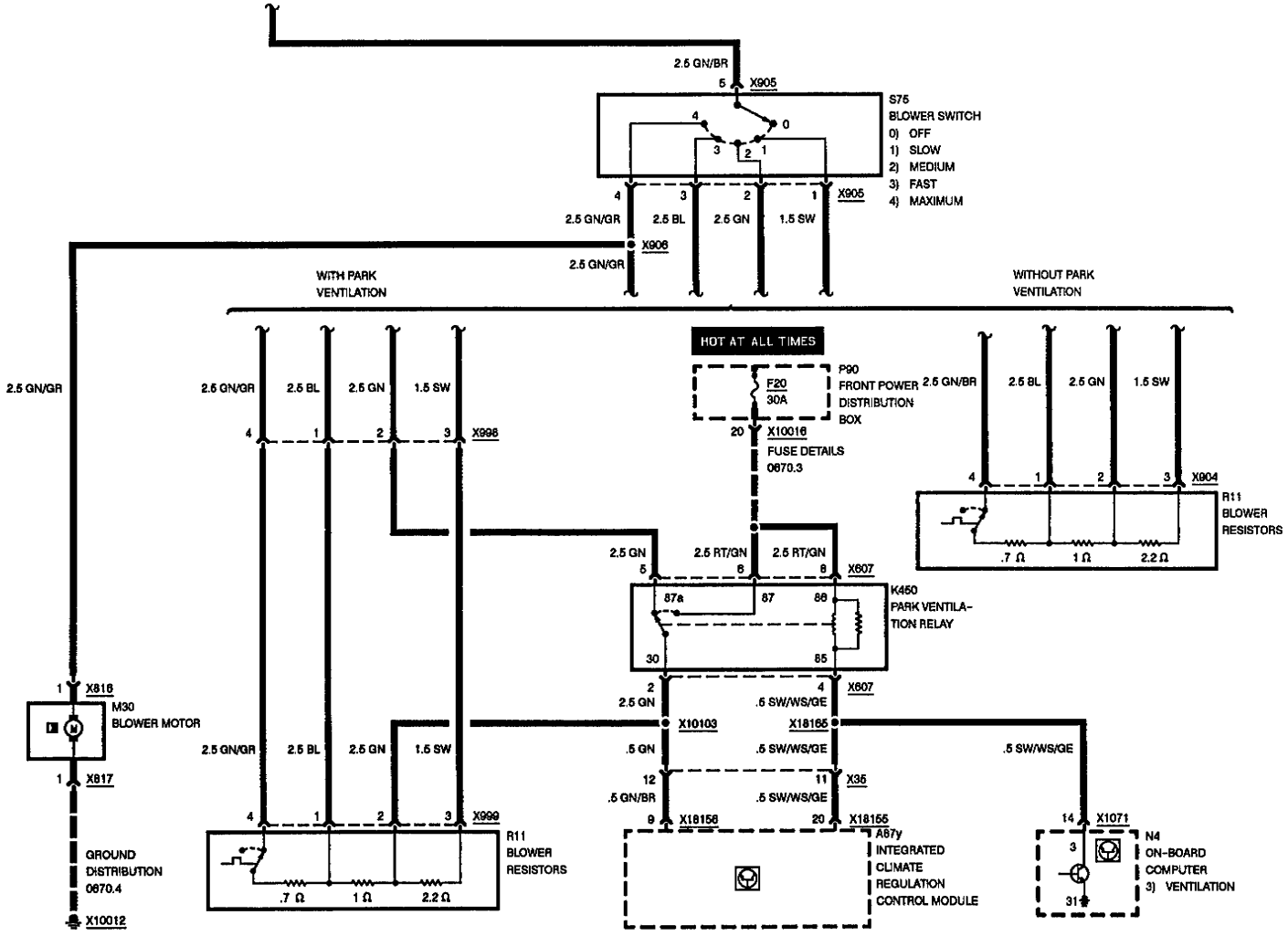
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INTEGRATED CLIMATE REGULATION (IHKR E36)

POWER, BLOWER CONTROLS



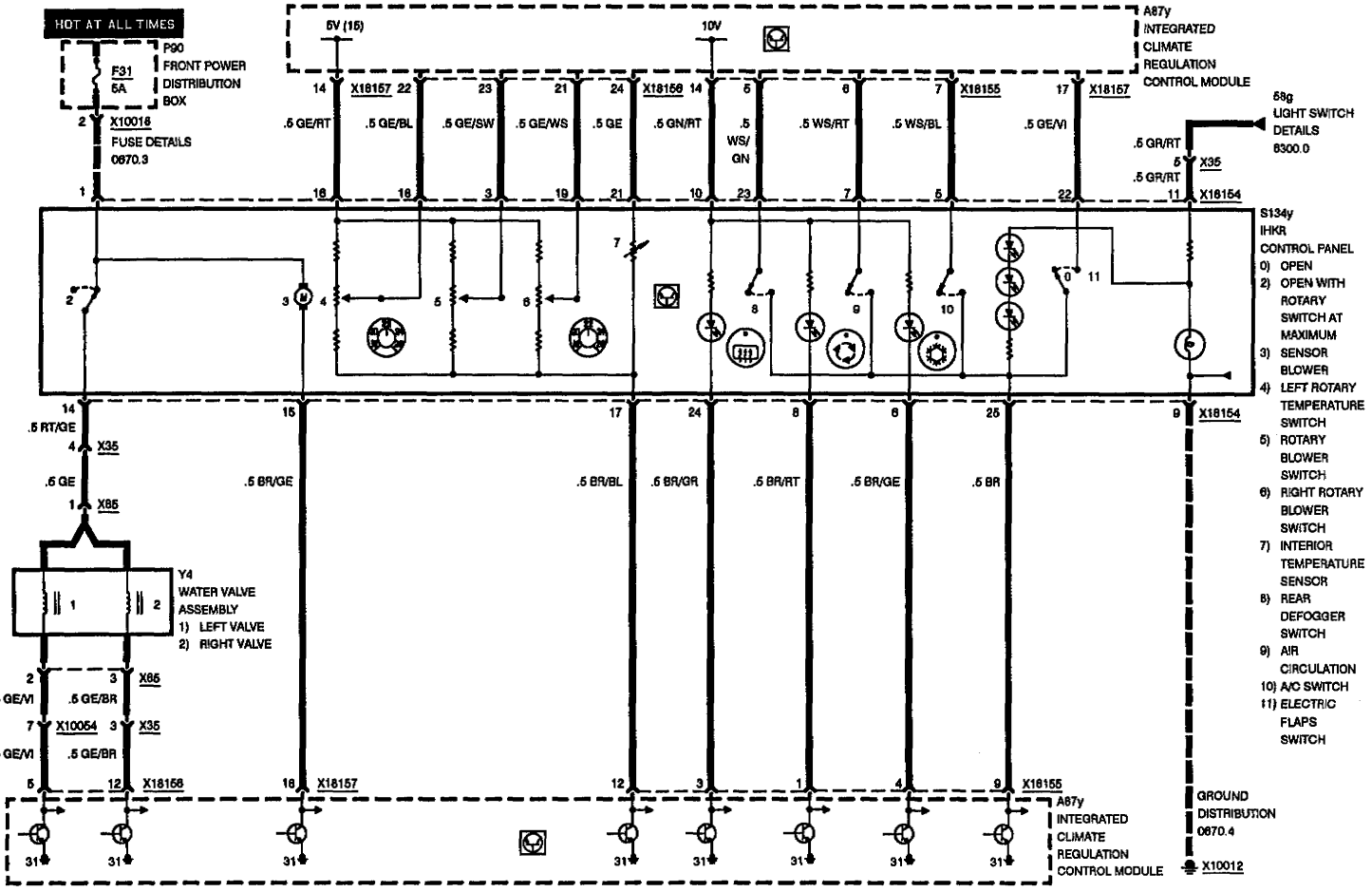
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INTEGRATED CLIMATE REGULATION (IHKR E36)

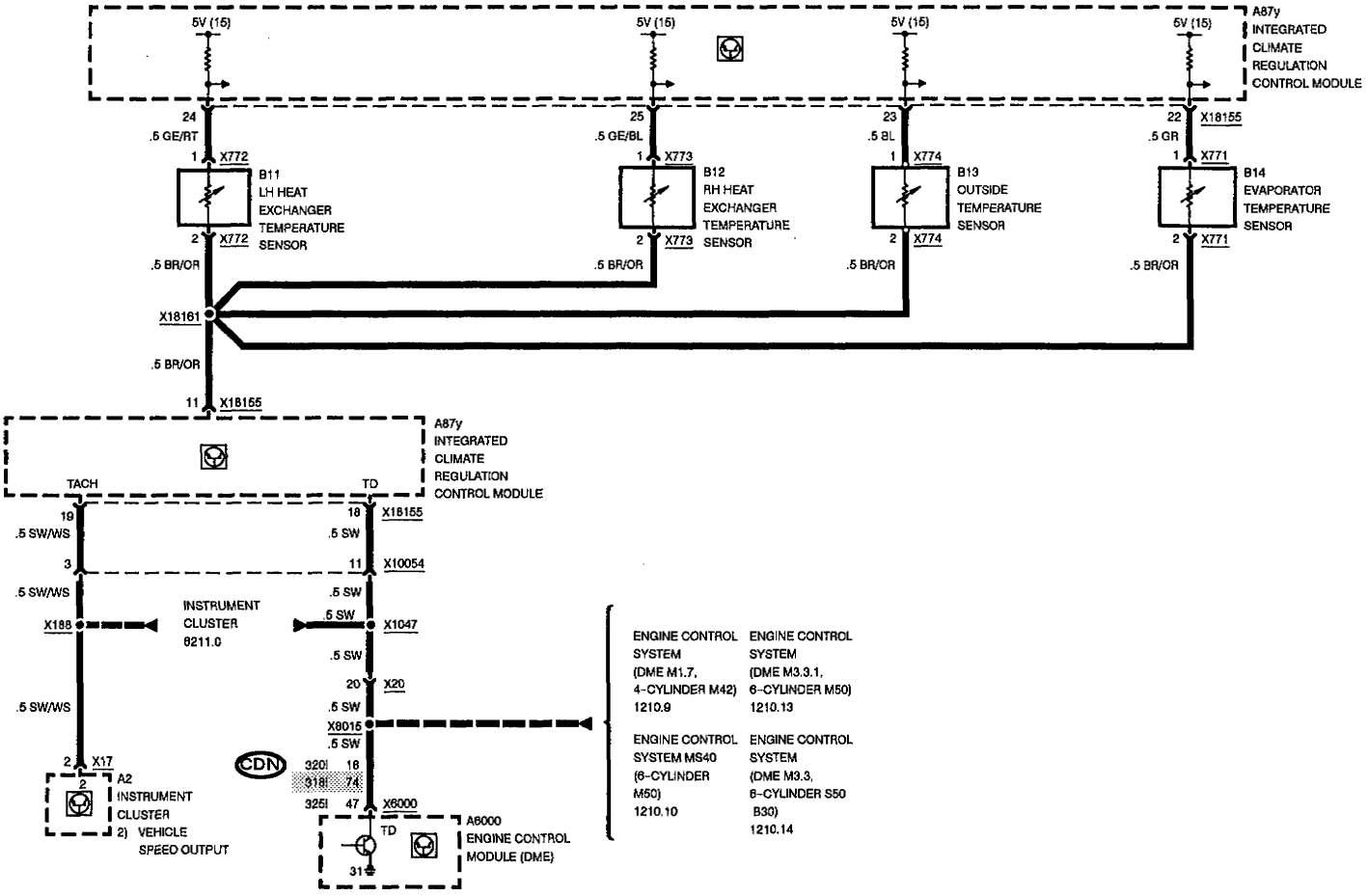
CONTROL MODULE, WATER VALVES



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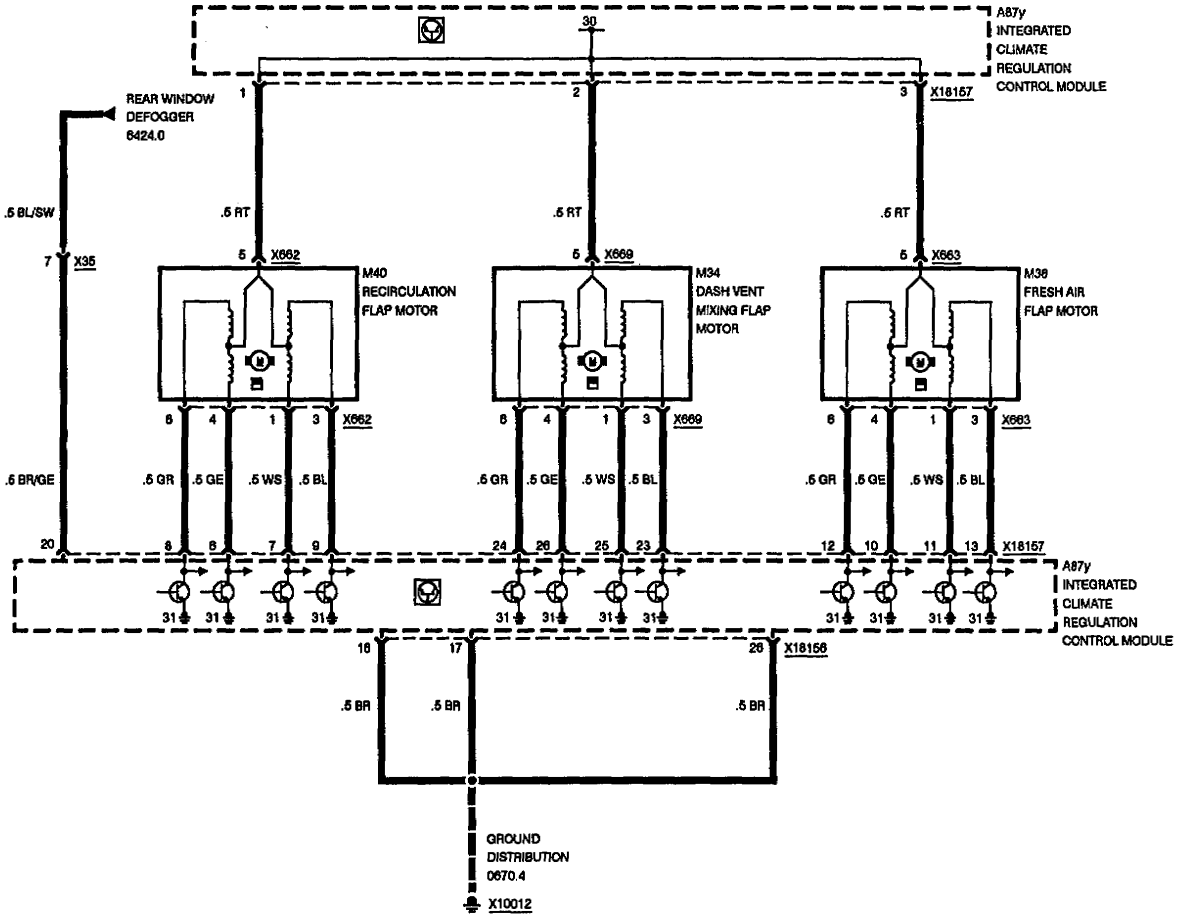
TEMPERATURE CONTROL



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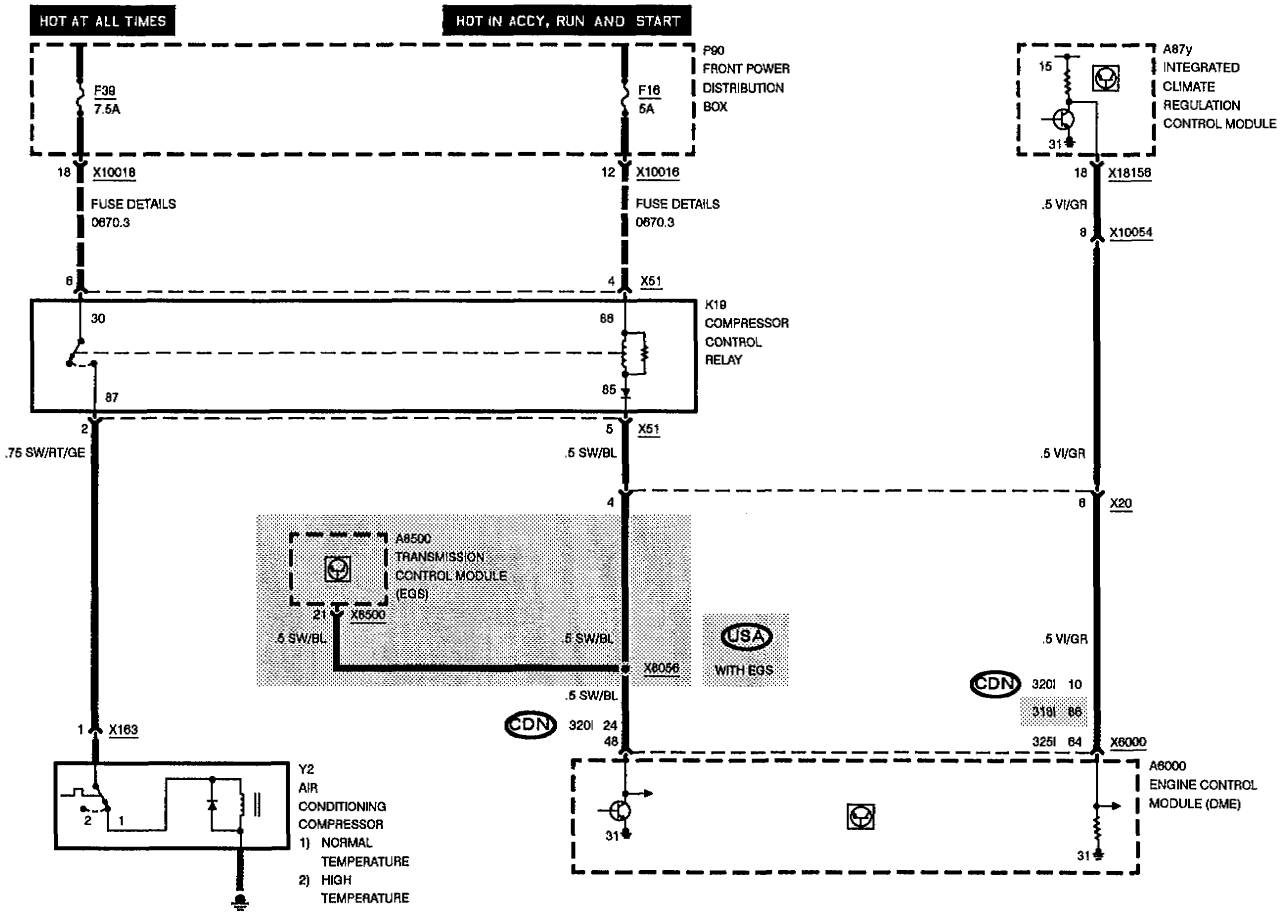
AIR DELIVERY



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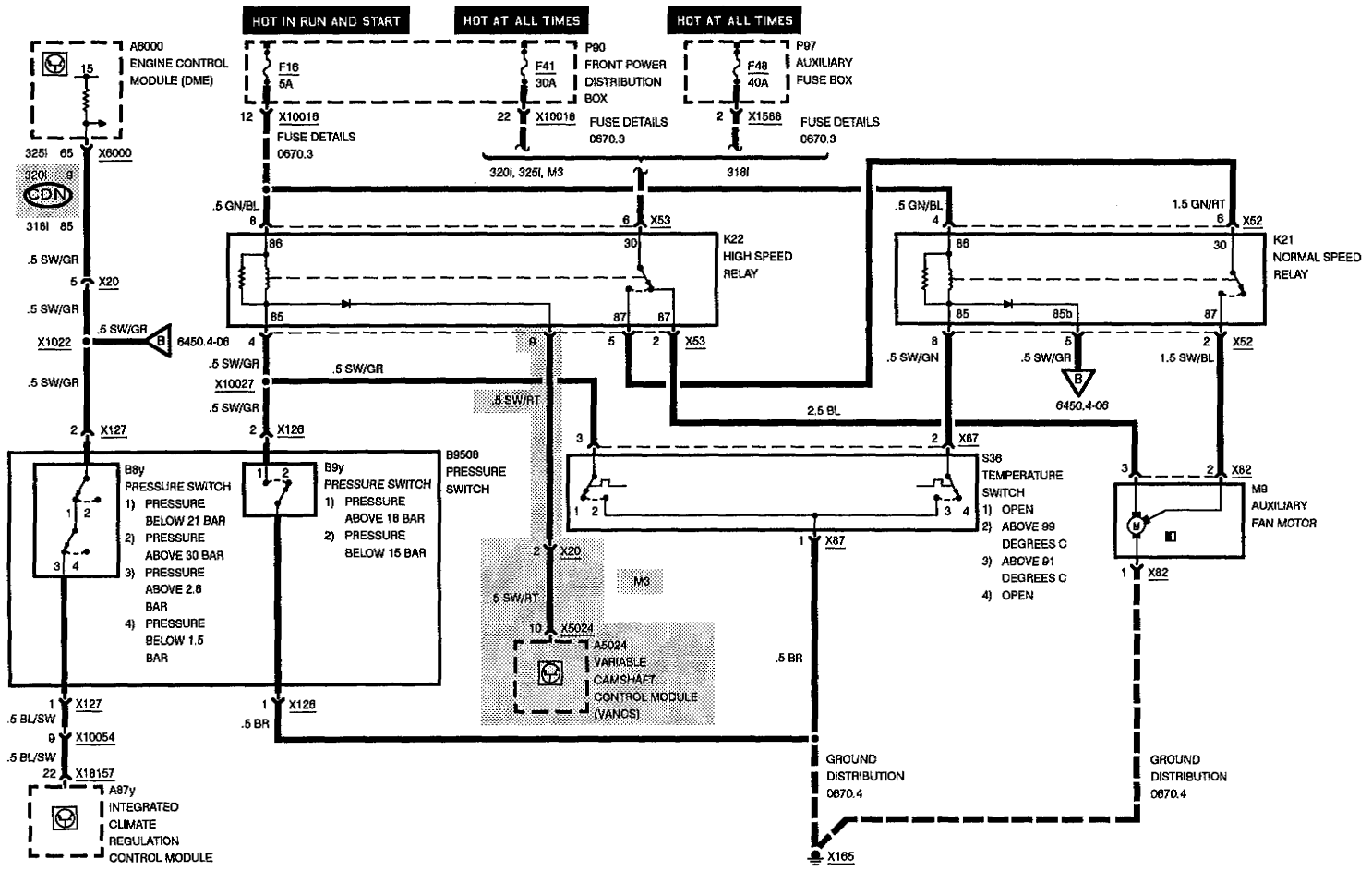
COMPRESSOR CONTROLS



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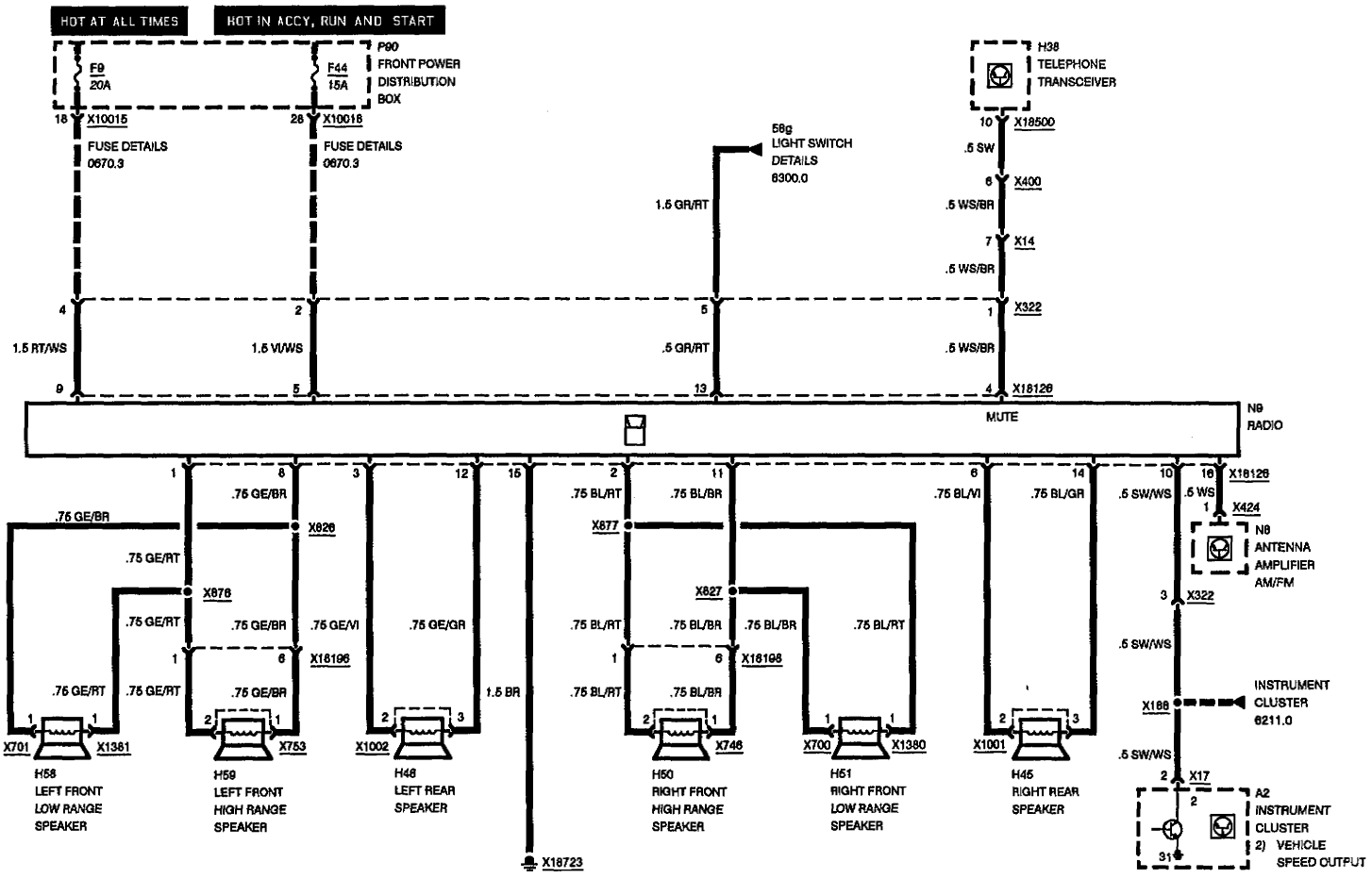
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AUXILIARY FAN



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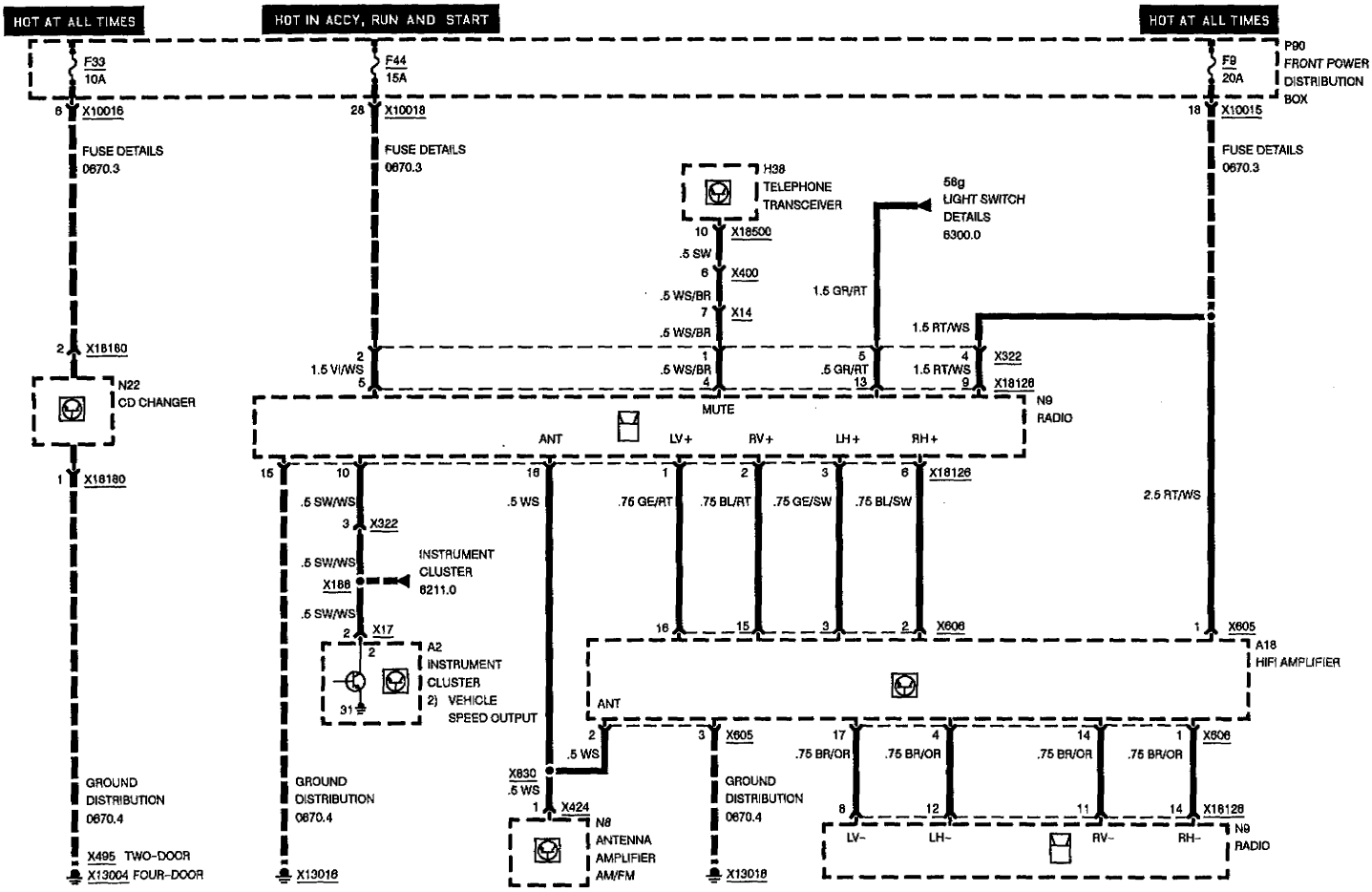


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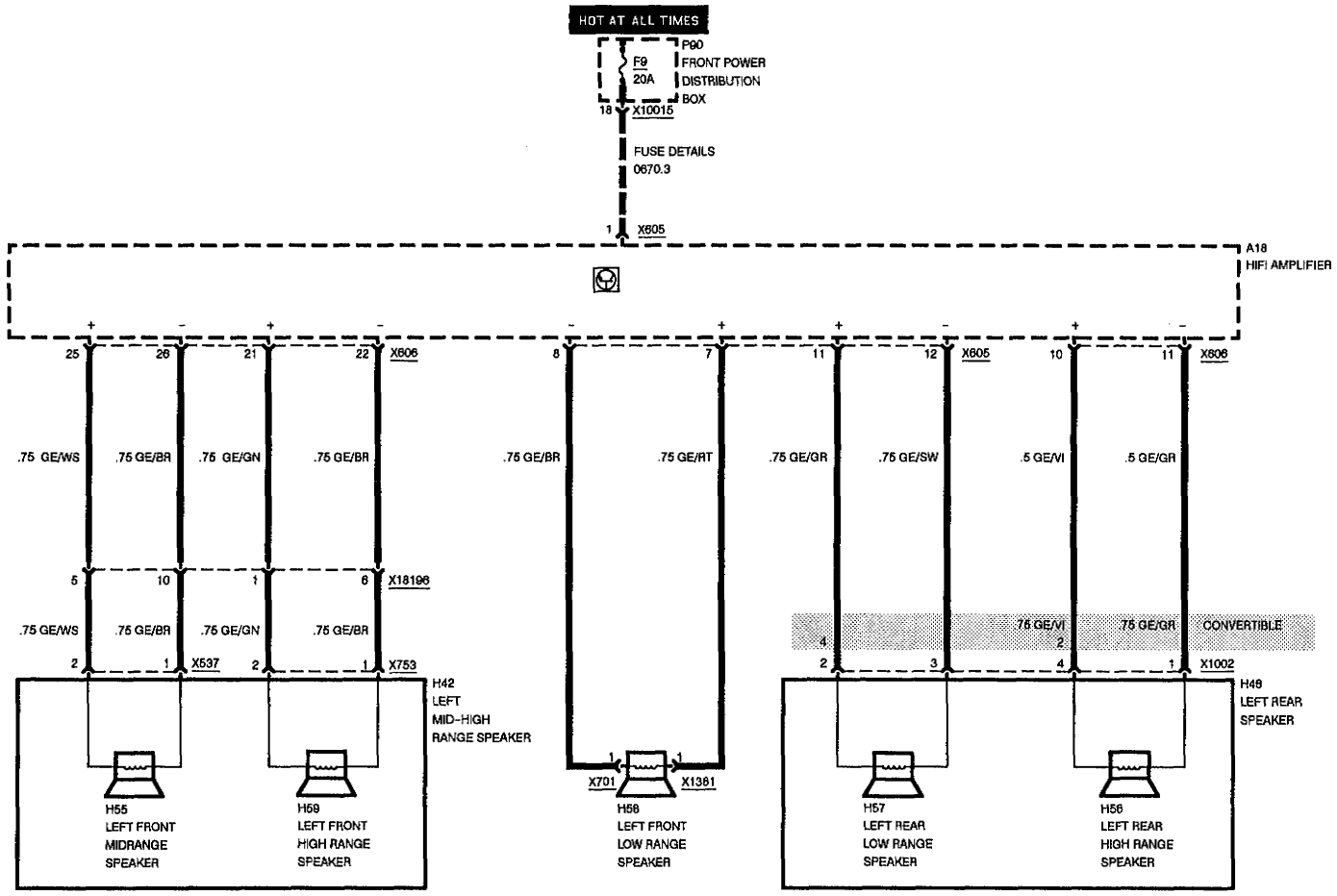
RADIO/HIFI

HIFI, 10-SPEAKER SYSTEM



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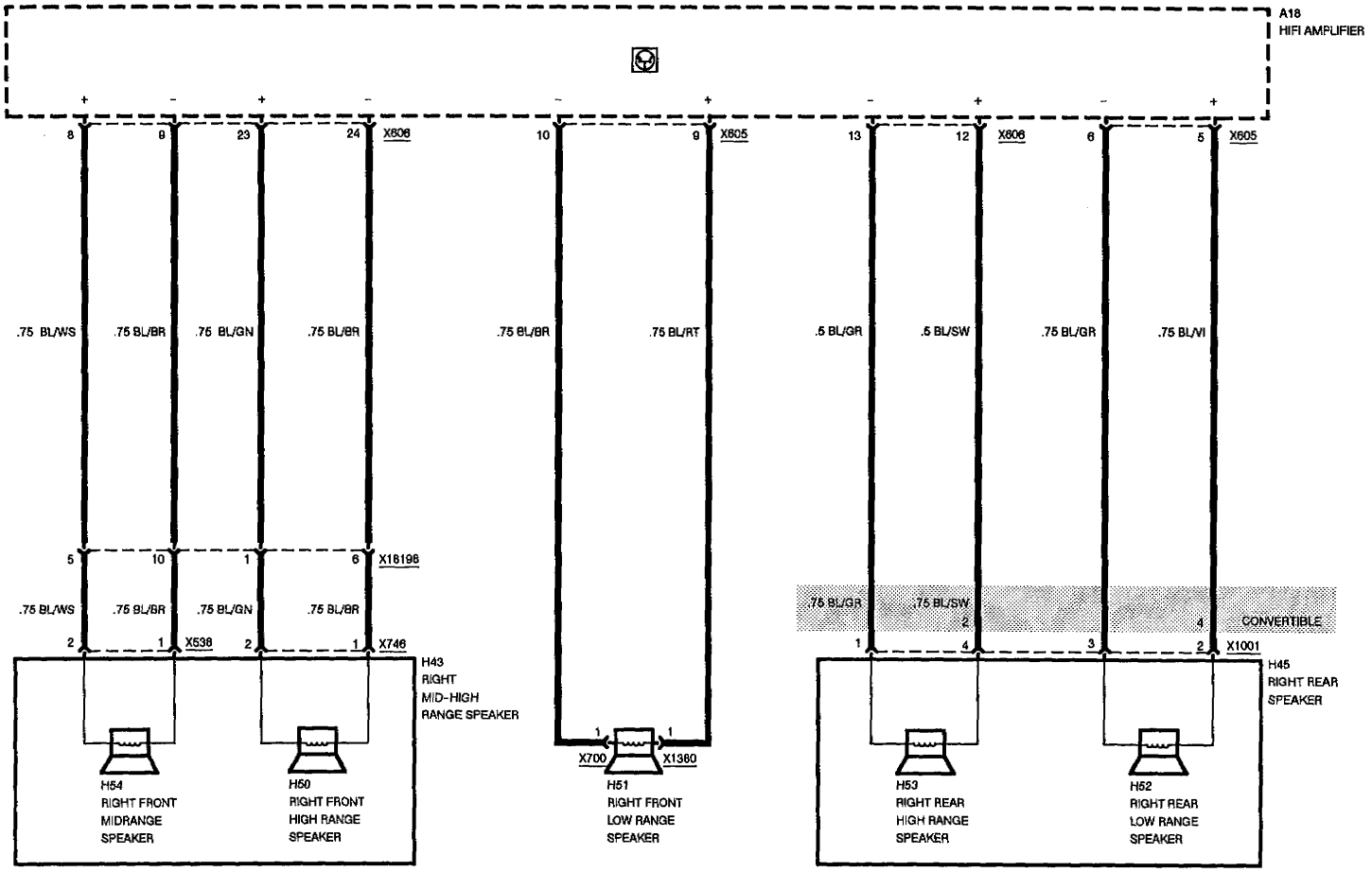
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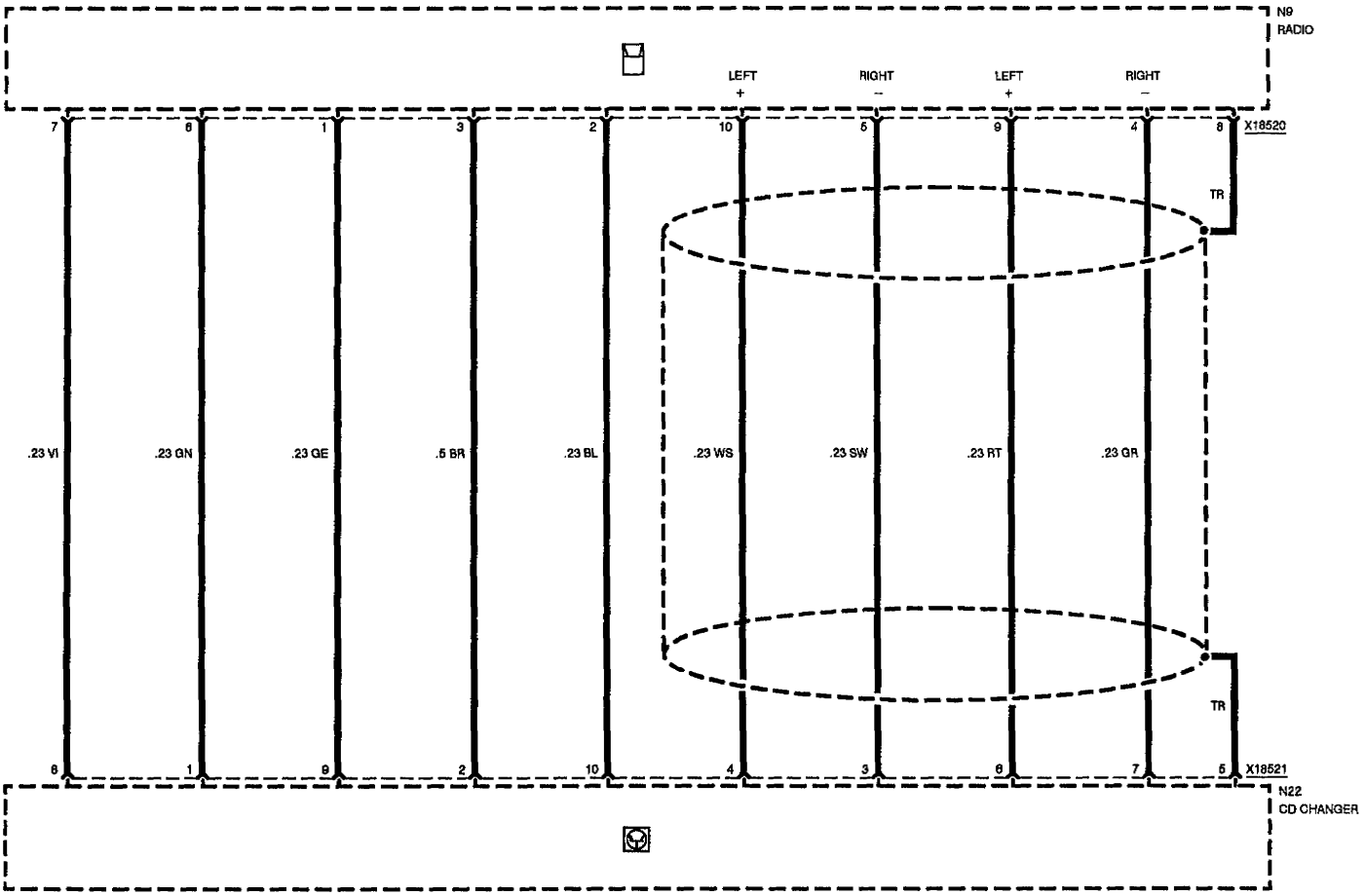
HIFI, 10-SPEAKER SYSTEM



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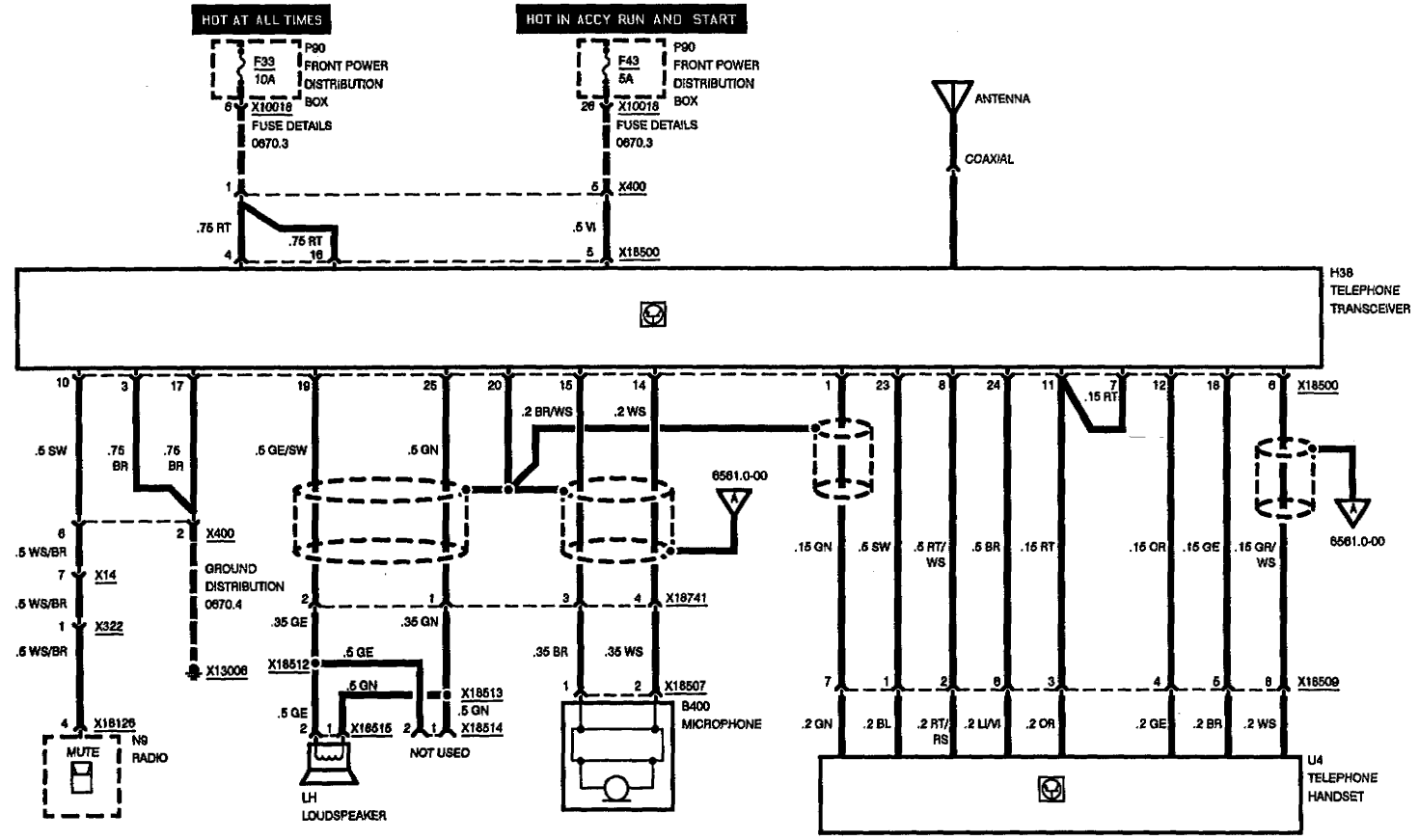
HIFI, 10-SPEAKER SYSTEM



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CELLULAR TELEPHONE (PROVISIONS)

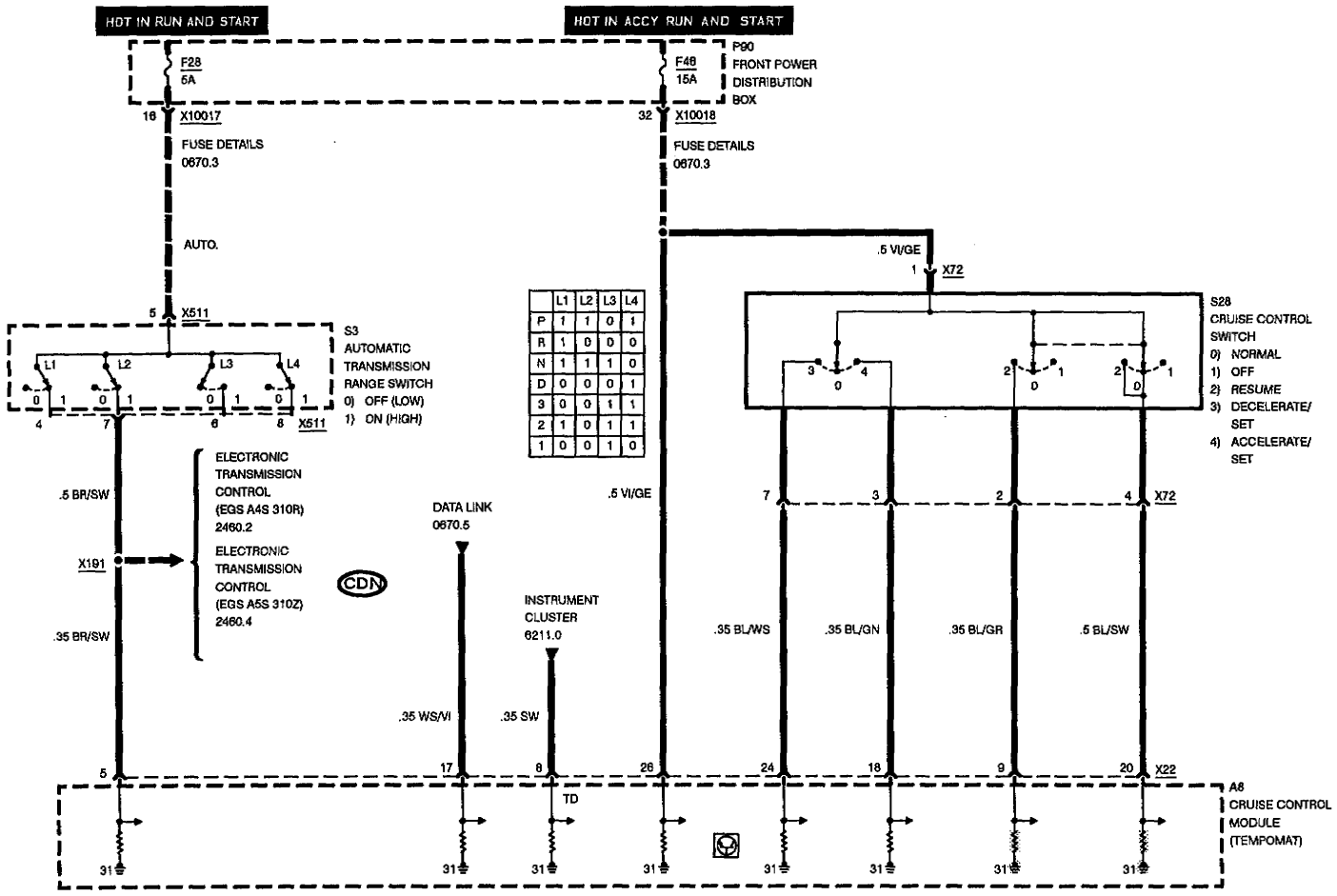
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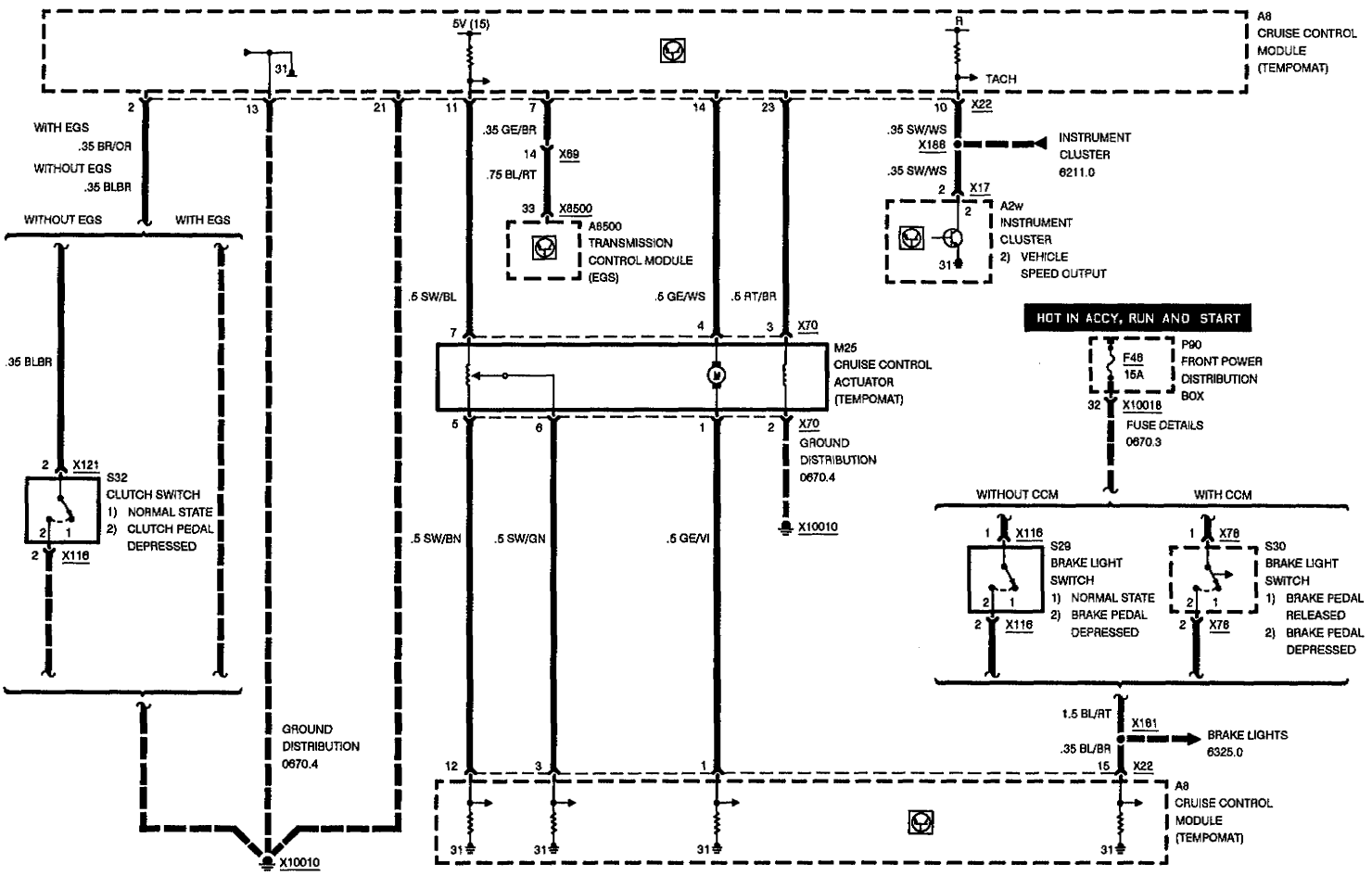
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CRUISE CONTROL (TEMPOMAT)



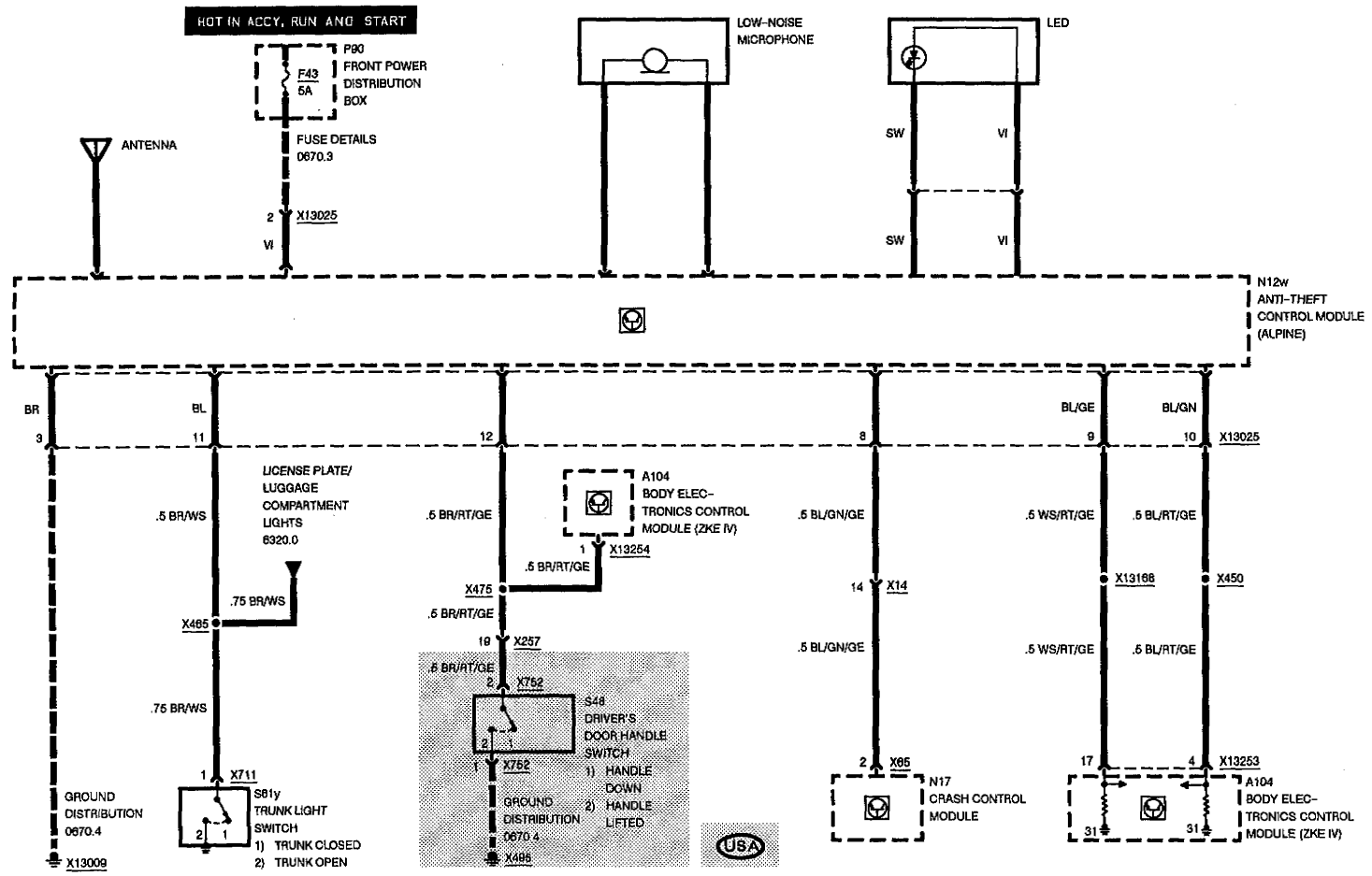
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CRUISE CONTROL (TEMPOMAT)



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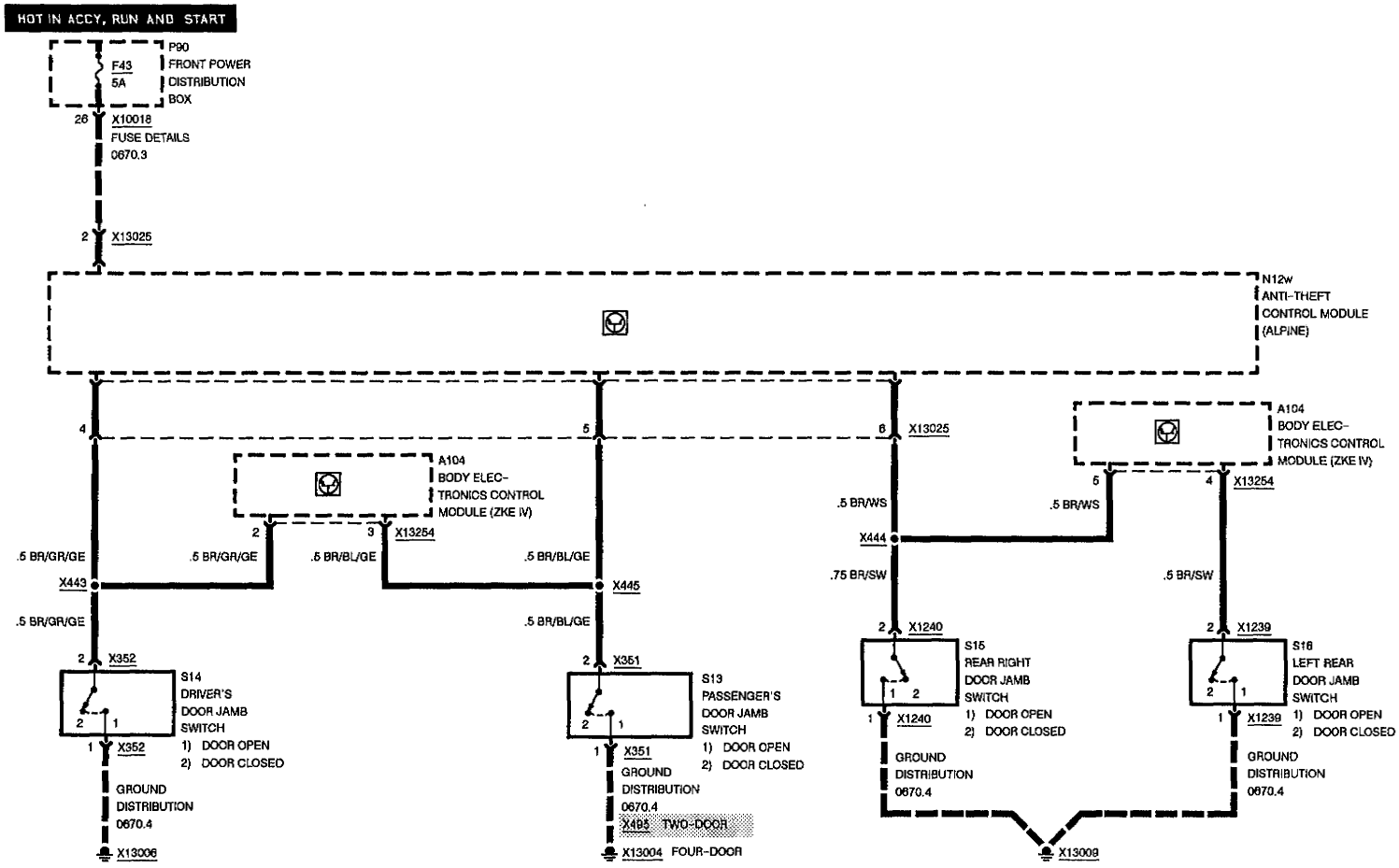
ANTI-THEFT SYSTEM (ALPINE)



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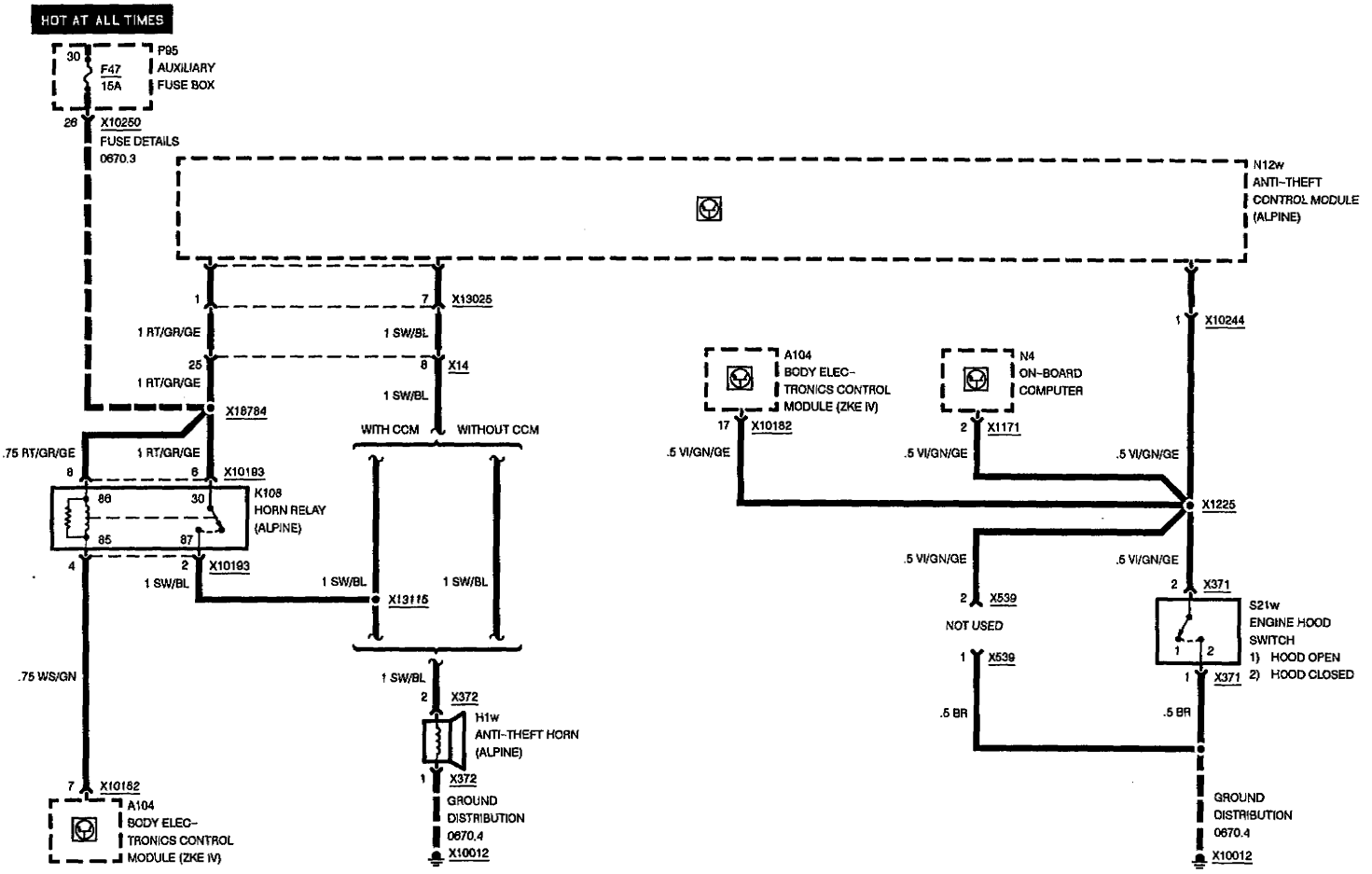
ANTI-THEFT SYSTEM (ALPINE)

FRONT AND REAR DOOR JAMB SWITCHES



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BMW 3 ANTI-THEFT SYSTEM (ALPINE)

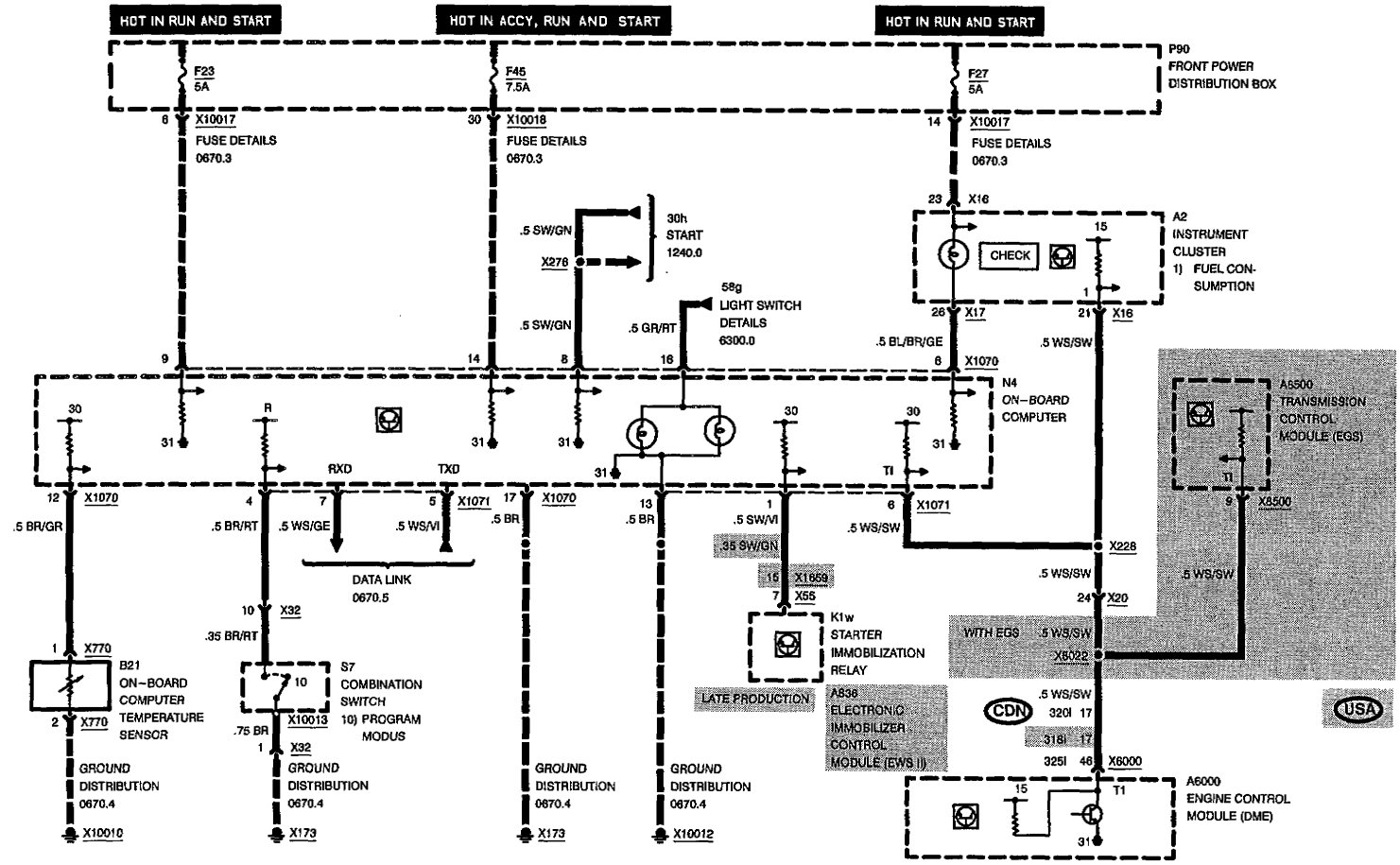


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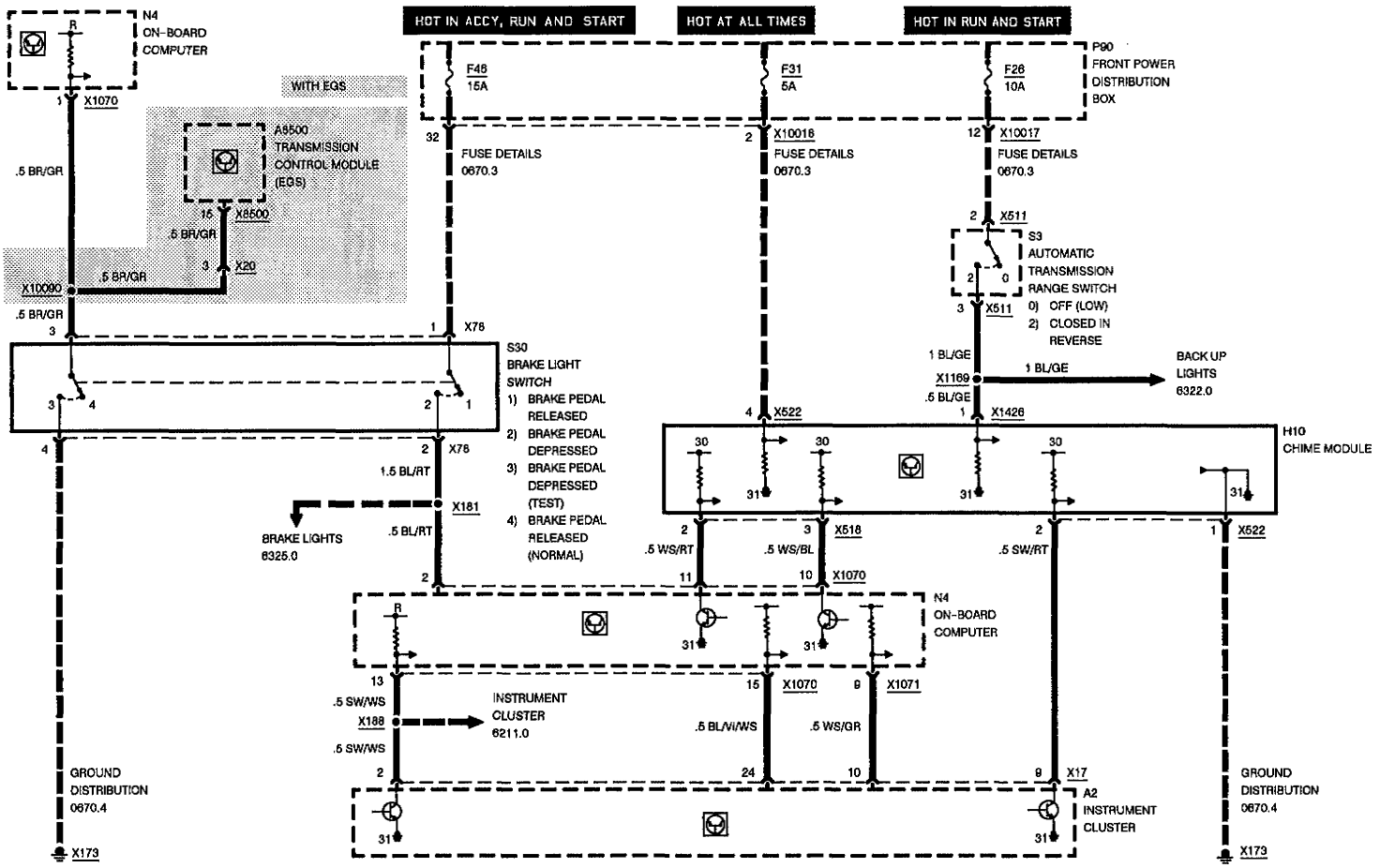
POWER



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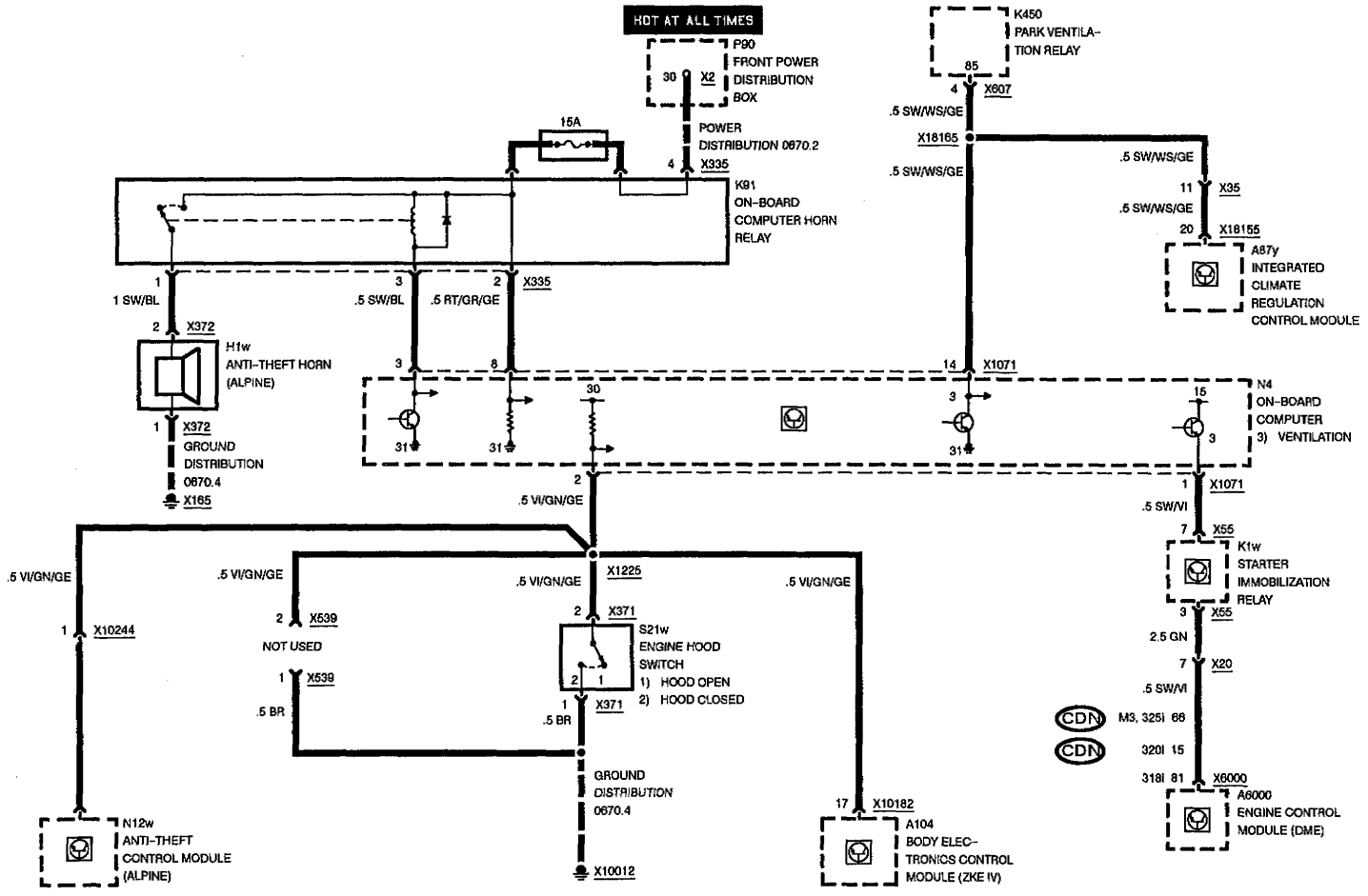
CHIME, BRAKE LIGHT SWITCH



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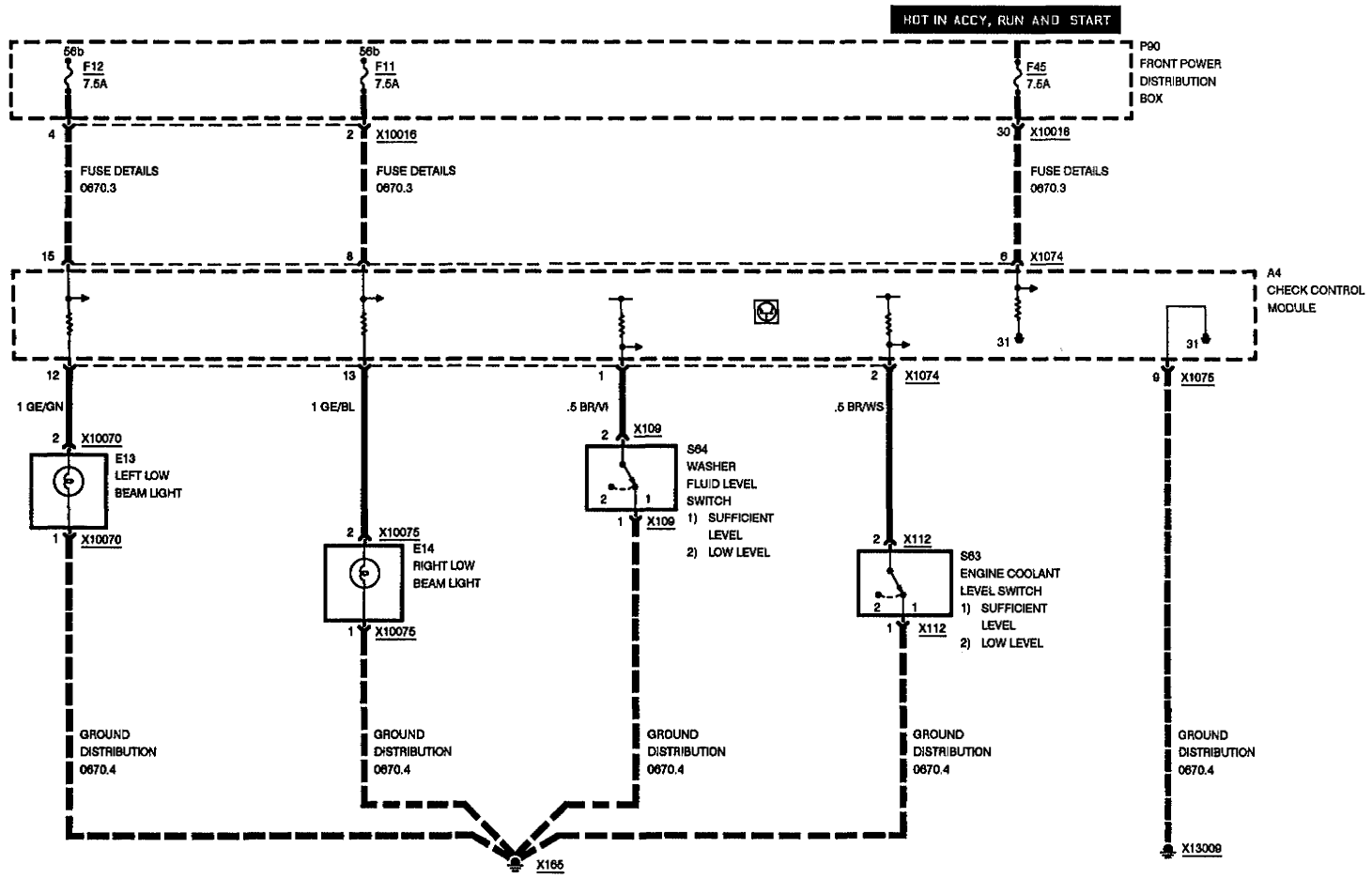
DRIVE AWAY PROTECTION



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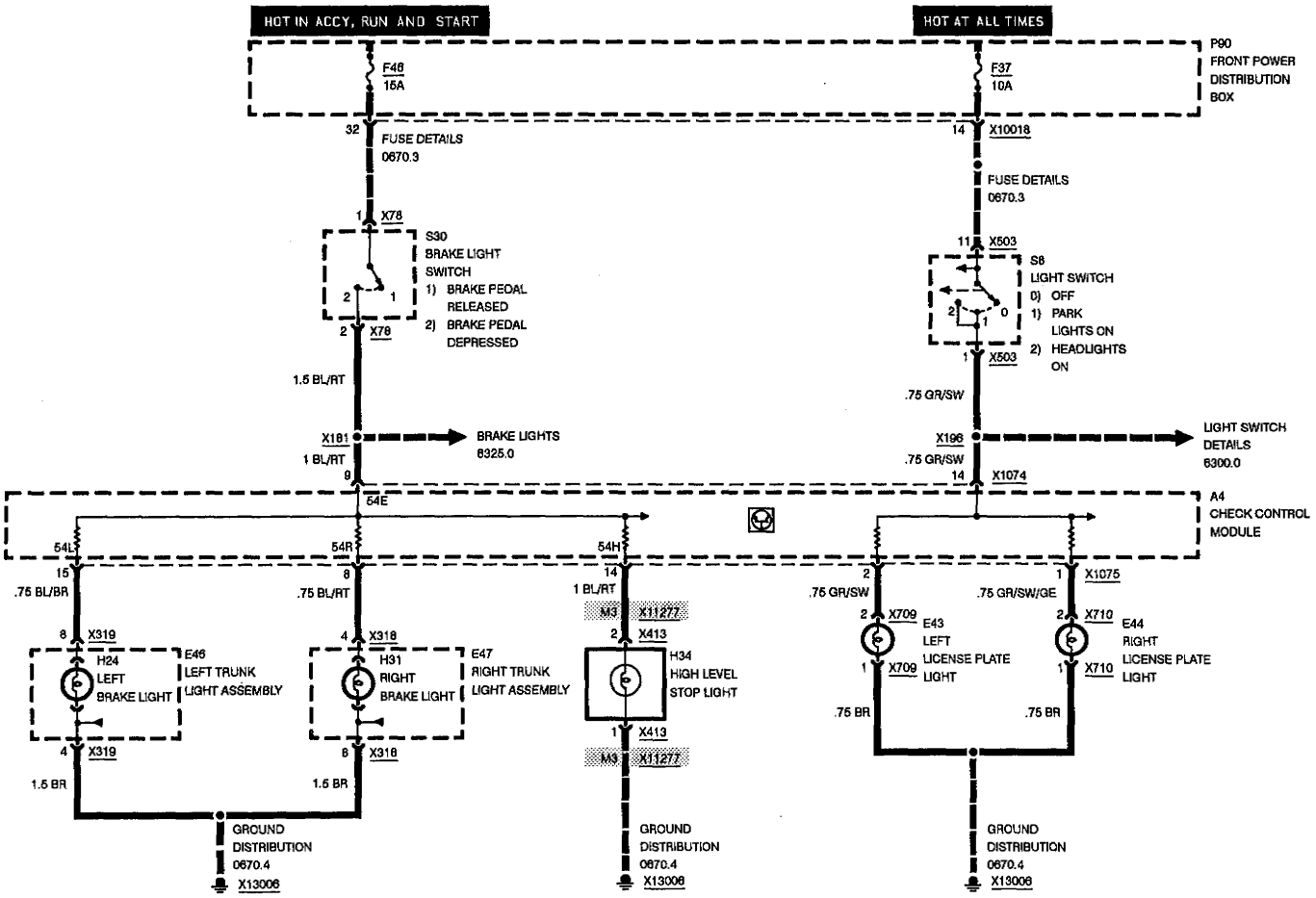
CHECK CONTROL



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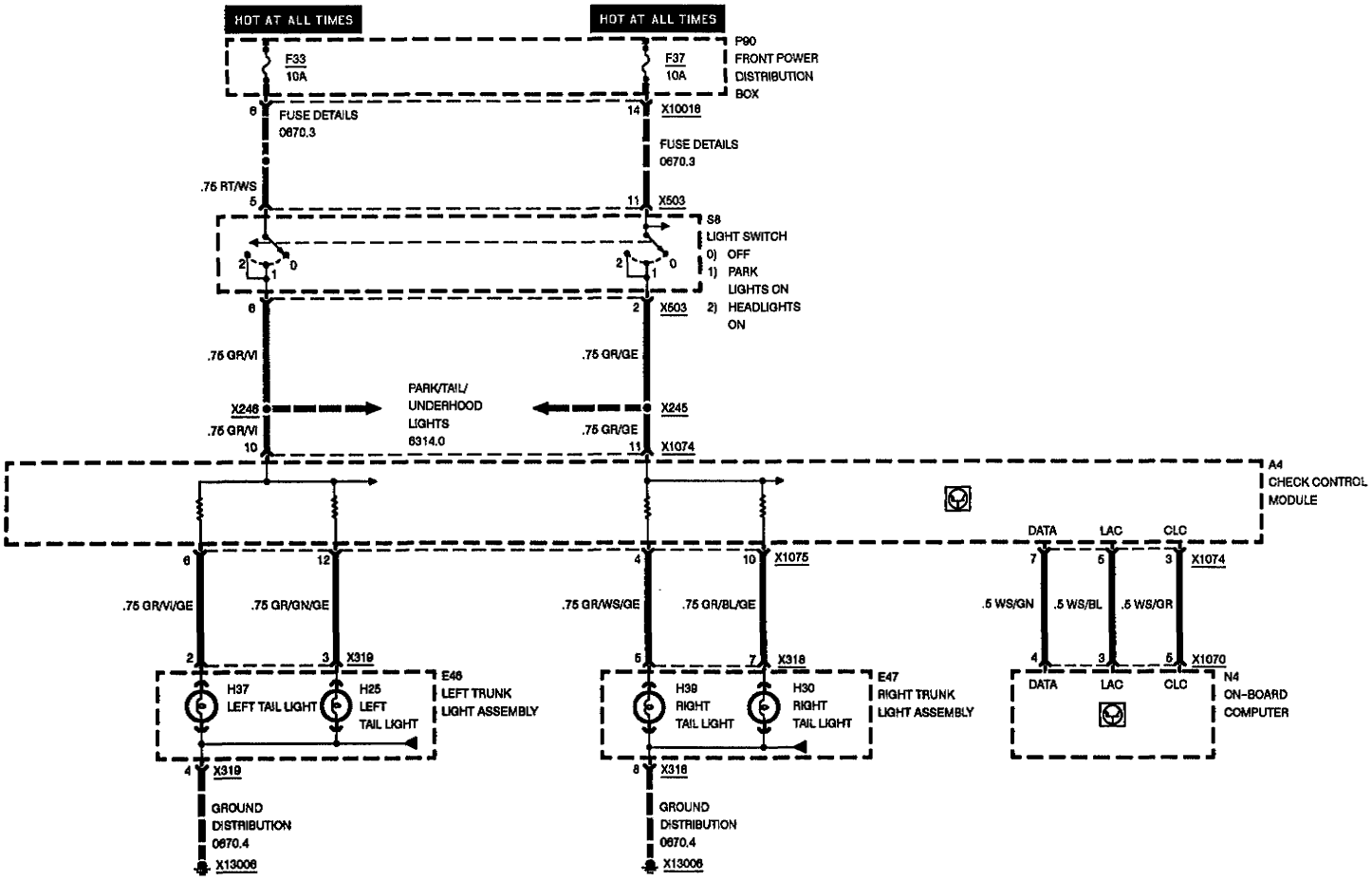
CHECK CONTROL



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ON-BOARD COMPUTER (BC V)

CHECK CONTROL



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COMPONENT LOCATION CHART

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A4	CHECK CONTROL MODULE	Below LH side of dash	00-3
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A51	WIPER/WASHER MODULE	Behind glove box (glove box removed)	01-1
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COMPONENT LOCATION CHART

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COMPONENT LOCATION CHART

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E12 ...	RIGHT HIGH BEAM LIGHT	Near RH headlight assembly

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COMPONENT LOCATION CHART

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COMPONENT LOCATION CHART

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
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H41	LEFT FRONT SPEAKER	In lower LH A-pillar	

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0 8500.0
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COMPONENT LOCATION CHART

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K6307	FUEL PUMP/START IDENTIFICATION RELAY	Rear LH side of engine compartment in Power Distribution Box (M3)	19-3
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M7	HEADLIGHT/FOG LIGHT WASHER PUMP	Front RH side of engine compartment on washer fluid reservoir	10-2
M9	AUXILIARY FAN MOTOR	Behind front grille behind trim panel	18-1
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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	
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M20	LEFT REAR WINDOW MOTOR	In lower LH rear door behind trim panel	
M21	DRIVER'S WINDOW MOTOR	LH front door behind door panel	31-3
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M34 . . .	DASH VENT MIXING FLAP MOTOR	Below LH side of dash RH side of steering column	29–2
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M43 . . .	CONVERTIBLE TOP STORAGE LID LOCK MOTOR	In convertible top compartment left	22–1
M50 . . .	DRIVER'S SEAT CUSHION TILT MOTOR	Under LH front seat	23–3
M51 . . .	DRIVER'S SEAT MOVEMENT MOTOR	Under LH front seat	23–3
M52 . . .	DRIVER'S SEAT HEIGHT MOTOR	Under LH front seat	23–3
M53 . . .	DRIVER'S SEATBACK RECLINER MOTOR	Under LH front seat	23–3
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M61 . . .	PASSENGER'S SEAT CUSHION TILT MOTOR	Under RH front seat	
M93 . . .	AUXILIARY THROTTLE POSITION MOTOR (ADS)	Front of engine compartment	
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M107 . .	GLOVE BOX LOCK MOTOR	RH side of dash behind glove box	

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BMW 3 COMPONENT LOCATION CHART

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N6	HEADLIGHT/FOGLIGHT CLEANING MODULE (SRA)	Footwell, driver's side	02-2
N8	ANTENNA AMPLIFIER AM/FM	In upper LH C-pillar	33-1
N10	MULTI-FUNCTION CLOCK	Center console	
N12w	ANTI-THEFT CONTROL MODULE (ALPINE)	Behind glove box (glove box removed)	01-3
N17	CRASH CONTROL MODULE	Footwell, driver's side	02-2
N21	TWIN RELAY MODULE	Footwell, driver's side	02-2
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R11	BLOWER RESISTORS	Behind center of dashboard left	29-1
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R6240	RESISTOR	Front of engine compartment	
R6252	THROTTLE POSITION SENSOR	RH front of engine (M3)	11-2

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R6252	THROTTLE POSITION SENSOR	LH side of engine compartment (318i)	17–3	
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S3	AUTOMATIC TRANSMISSION RANGE SWITCH	Center console near gearshift lever	30–3	
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S5	WIPER/WASHER SWITCH	LH side of dash RH side of steering column above		
S6	ASC SWITCH	Center console	30–2	
S7	COMBINATION SWITCH	LH side of steering column	24–3	
S8	LIGHT SWITCH	LH side of dash	26–1	
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S13	PASSENGER'S DOOR JAMB SWITCH	Rear RH door pillar	33–3	
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S28 ...	CRUISE CONTROL SWITCH	LH side of dash RH side of steering column above	24-3	
S29 ...	BRAKE LIGHT SWITCH	LH footwell on brake pedal support bracket behind LH footwell trim	26-3	
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S31 ...	PARK BRAKE SWITCH	Center console on rear of park brake lever	31-2	
S32 ...	CLUTCH SWITCH	LH footwell on clutch pedal support bracket behind LH footwell trim	26-3	
S36 ...	TEMPERATURE SWITCH	Front RH side of engine compartment near RH headlight assembly	09-3	
S38 ...	SUNROOF SWITCH	Roof		
S40y ..	CENTRAL POWER WINDOW SWITCH	Center console		
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		
S51 ...	DRIVER'S SEAT, SEAT CONTROL SWITCH	LH side of driver's seat		
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S58 ...	DRIVER'S SEAT BELT SWITCH	In LH front seat belt buckle		
S59 ...	PASSENGER'S SEAT BELT SWITCH	In RH front seat belt buckle		
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COMPONENT LOCATION CHART

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S71	LEFT FRONT IMPACT SENSOR	LH side of engine compartment	
S75	BLOWER SWITCH	Center of dash	
S77	DRIVER'S MAKEUP MIRROR SWITCH	Above LH sun visor	
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S128z	LH REAR POWER WINDOW SWITCH	Center console	
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S8503	PROGRAM SWITCH	Center console
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T6151	CYL. 1 IGNITION COIL	Top RH side of engine ... 13-1
T6151	CYL. 1 IGNITION COIL	RH side of engine compartment (318i) ... 17-3
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T6153	CYL. 3 IGNITION COIL	RH side of engine compartment (318i) ... 17-3
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U4	TELEPHONE HANDSET	Below front of console
V4	DAYTIME RUNNING LIGHTS CODING DIODE	LH side of dash

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V7	ASC DIODE	Top LH side of engine compartment in Front Power Distribution Box		
V9501	UNCOUPLING DIODE (KL61)	Front of engine compartment		
X1	B+ JUNCTION POINT	Rear LH side of engine compartment	05-3	
X2	BATTERY B+ START POINT	Rear LH side of engine compartment	05-3	
X9	B+ JUNCTION POINT	Rear LH side of engine compartment	05-3	
X11	CONNECTOR (55-PINS, BLACK)	EARLY PRODUCTIONbehind glove box (glove box removed)	01-2	00-1
X13	CONNECTOR (30-PINS, BLACK)	Behind LH footwell kickpanel		00-4
X14	CONNECTOR (30-PINS, WHITE)	Behind LH footwell kickpanel		00-4
X16	CONNECTOR (26-PINS, WHITE)	LH side of dash rear of A2 instrument cluster	28-3	00-2
X17	CONNECTOR (26-PINS, BLUE)	LH side of dash rear of A2 instrument cluster	28-3	00-2
X20	CONNECTOR (25-PINS, BLACK)	Rear LH side of engine compartment	18-3	05-2
X22	CONNECTOR (26-PINS, BLUE)	RH side of dash behind glove box	01-2	00-2
X31	CONNECTOR (12-PINS, BLACK)	Rear LH side of engine compartment back of LH side shock tower	16-2	01-4
X32	CONNECTOR (12-PINS, WHITE)	LH footwell underside of steering column	27-3	02-6
X33	CONNECTOR (12-PINS, BLACK)	LH footwell underside of steering column behind LH footwell trim	27-3	02-6
X35	CONNECTOR (12-PINS, NATURAL)	Below LH side of dash RH side of steering column	27-3	02-6
X43	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X44	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X45	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X51	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6

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X53	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X54	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X55	CONNECTOR (9-PINS, BLACK)	Behind LH footwell speaker grille		03-6
X56	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X58	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X61	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		03-6
X63	CONNECTOR (9-PINS, BLACK)	Behind LH footwell speaker grille		03-6
X64	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X65	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		03-6
X69	CONNECTOR (25-PINS, GRAY)	Rear LH side of engine compartment (325i)	18-3	05-2
X70	CONNECTOR (8-PINS, BLACK)	Front LH side of engine compartment	18-2	02-2
X72	CONNECTOR (8-PINS, NATURAL)	EARLY PRODUCTIONLH footwell underside of steering column	27-3	03-5
X72	CONNECTOR (6-PINS, BLACK)	LATE PRODUCTIONfootwell, driver's side		04-2
X74	CONNECTOR (30-PINS, ORANGE)	Below rear seat	00-2	12-2
X78	CONNECTOR (4-PINS, BLACK)	LH footwell on brake pedal support bracket behind LH footwell trim	26-2	03-3
X82	CONNECTOR (3-PINS, BLACK)	Front of engine compartment on auxiliary fan	18-1	08-1
X85	CONNECTOR (3-PINS, BLACK)	Rear LH side of engine compartment	16-2	06-3
X87	CONNECTOR (3-PINS, BLACK)	Front RH side of engine compartment RH top of radiator	09-3	06-3
X99	CONNECTOR (9-PINS, BLACK)	Behind LH footwell speaker grille		03-6

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X107	CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment on washer fluid reservoir	10-1	
X109	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment on washer fluid reservoir	10-1	
X110	CONNECTOR (2-PINS, GRAY)	Rear RH side of engine compartment back of RH side shock tower		
X111	CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment near brake master cylinder top of brake fluid reservoir	18-3	
X112	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment	18-1	
X113	CONNECTOR (2-PINS, GRAY)	Above RH front wheel well behind RH front wheel	09-2	
X114	CONNECTOR (2-PINS, GRAY)	Above LH front wheel well behind LH front wheel	09-2	
X116	CONNECTOR (2-PINS, BLACK)	LH footwell near brake pedal	26-3	
X118	CONNECTOR (2-PINS, BLACK)	Above LH front wheel well behind LH front wheel	09-2	
X121	CONNECTOR (2-PINS, WHITE)	LH footwell on clutch pedal	26-3	
X123	CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment on washer fluid reservoir	10-2	
X126	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment near RH headlight assembly	09-3	
X127	CONNECTOR (2-PINS, NATURAL)	Front RH side of engine compartment near RH headlight assembly	09-3	
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		02-1
X143	CONNECTOR (3-PINS, GRAY)	Under rear of car LH side of on differential	08-1	02-1

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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	10-1	06-3
X165	GROUND	Front LH side of engine compartment	06-3	
X173	GROUND	Below LH side of dash	07-1	
X209	CONNECTOR (12-PINS, BLACK)	LH footwell underside of steering column		
X256	CONNECTOR (26-PINS, BLACK)	Ahead of RH front door in lower RH A-pillar	32-1	04-1
X257	CONNECTOR (26-PINS, BLACK)	Ahead of LH front door in lower LH A-pillar		04-1
X271	CONNECTOR (12-PINS, BLACK)	LH side of dash rear of A2 instrument cluster	28-3	01-3
X272	CONNECTOR (2-PINS, BLACK)	Under roof center panel		
X273	CONNECTOR (12-PINS, BLACK)	In lower LH B-pillar	21-1	01-2
X274	CONNECTOR (12-PINS, BLACK)	In lower RH B-pillar	21-1	01-2
X275	CONNECTOR (4-PINS, WHITE)	Under LH front seat under carpet	23-2	03-3
X279	CONNECTOR (4-PINS, WHITE)	Under RH front seat	32-3	03-3
X285	CONNECTOR (15-PINS, BLUE)	Behind glove box	25-2	00-3
X292	CONNECTOR (9-PINS, BLACK)	Power Distribution Box rear LH side of engine compartment		03-6
X295	CONNECTOR (8-PINS, BLACK)	LH footwell underside of steering column behind LH footwell trim	27-3	03-5
X311	CONNECTOR (3-PINS, BLACK)	Underside of trunk lid left	34-2	01-1
X312	CONNECTOR (2-PINS, BLACK)	In RH rear side of luggage compartment behind RH rear light assembly	03-3	01-6
X315	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid left	34-2	

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X316	CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	31-1	05-3
X317	CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	30-3	05-3
X318	CONNECTOR (8-PINS, BLACK)	In RH rear side of luggage compartment behind RH rear light assembly	03-3	01-4
X319	CONNECTOR (8-PINS, BLACK)	In LH rear side of luggage compartment behind LH rear light assembly		01-4
X320	CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	30-3	04-2
X322	CONNECTOR (6-PINS, BLACK)	LH footwell	28-2	04-2
X324	CONNECTOR (6-PINS, WHITE)	Center console near gearshift lever	31-1	05-3
X333	CONNECTOR (4-PINS, BLACK)	Rear of engine compartment below center of cowl	16-1	07-2
X336	CONNECTOR (6-PINS, WHITE)	Under roof center panel	04-2	09-3
X351	CONNECTOR (2-PINS, BLACK)	In upper RH B-pillar		
X352	CONNECTOR (3-PINS, BLACK)	In upper LH B-pillar		01-1
X355	CONNECTOR (2-PINS, BLACK)	In upper RH C-pillar	33-2	
X356	CONNECTOR (2-PINS, BLACK)	In upper LH C-pillar	33-1	
X371	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment on washer fluid reservoir	10-2	
X372	CONNECTOR (2-PINS, GRAY)	Rear RH side of engine compartment back of RH side shock tower		
X379	CONNECTOR (1-PINS, NATURAL)	In upper LH C-pillar	33-1	
X380	CONNECTOR (1-PINS, NATURAL)	In upper RH C-pillar	33-2	
X381	CONNECTOR (3-PINS, BLACK)	Under roof center panel		01-1
X382	CONNECTOR (3-PINS, BLACK)	Above RH sun visor	23-1	01-1
X383	CONNECTOR (2-PINS, BLACK)	Under rear of car LH side of on differential	08-1	

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X386 ..	CONNECTOR (2-PINS, BLACK)	REAR ASHTRAY LIGHT, E28y		
X388 ..	CONNECTOR (2-PINS, BLACK)	In lower RH A-pillar		
X389 ..	CONNECTOR (2-PINS, GRAY)	Rear LH side of engine compartment		
X390 ..	CONNECTOR (2-PINS, BLACK)	RH side of dash behind glove box		
X400 ..	CONNECTOR (8-PINS, BLACK)	In LH rear side of luggage compartment		03-5
X401 ..	CONNECTOR (1-PINS, BLACK)	Above LH sun visor		
X402 ..	CONNECTOR (1-PINS, BLACK)	Above RH sun visor	23-1	
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	33-1	
X494 ..	GROUND	Center console near gearshift lever	07-2	
X495 ..	GROUND	Behind RH footwell trim above	07-3	
X498 ..	GROUND	Center console near gearshift lever	07-2	
X503 ..	CONNECTOR (12-PINS, WHITE)	Below LH side of dash	26-1	01-6
X504 ..	CONNECTOR (4-PINS, WHITE)	Center console	26-1	03-3
X509 ..	CONNECTOR (9-PINS, BLACK)	Behind glove box (glove box removed)		03-6
X510 ..	CONNECTOR (9-PINS, BLACK)	Behind glove box (glove box removed)		03-6
X511 ..	CONNECTOR (8-PINS, BLACK)	Center console near gearshift lever	30-3	01-4
X516 ..	CONNECTOR (5-PINS, BLACK)	Center console	30-3	03-2
X517 ..	CONNECTOR (4-PINS, BLACK)	Below LH side of dash	26-1	03-3

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X518 ..	CONNECTOR (4-PINS, BLACK)	LH footwell	28-2	03-3
X521 ..	CONNECTOR (6-PINS, BLUE)	Center console		04-5
X522 ..	CONNECTOR (3-PINS, WHITE)	LH footwell	28-2	03-6
X523 ..	CONNECTOR (3-PINS, NATURAL)	LH side of dash		03-6
X531 ..	CONNECTOR (1-PINS, NATURAL)	Center console near gearshift lever	30-2	
X532 ..	CONNECTOR (2-PINS, BLACK)	Center console near gearshift lever	30-2	
X537 ..	CONNECTOR (2-PINS, BLACK)	In upper LH front door behind door panel	31-3	01-1
X538 ..	CONNECTOR (2-PINS, BLACK)	RH front door behind door panel	32-1	
X539 ..	CONNECTOR (2-PINS, BLACK)	Center console		
X540 ..	CONNECTOR (2-PINS, BLACK)	LH side of glove box	25-1	
X541 ..	CONNECTOR (1-PINS, NATURAL)	LH side of glove box	25-1	
X542 ..	CONNECTOR (2-PINS, BLACK)	LH side of glove box	25-1	
X603 ..	CONNECTOR (6-PINS, (---))	Center console		05-1
X604 ..	CONNECTOR (6-PINS, (---))	RH front seat		05-1
X605 ..	CONNECTOR (12-PINS, BLACK)	Below RH side of rear seat Convertible	02-3	11-3
X605 ..	CONNECTOR (12-PINS, BLACK)	In LH side of luggage compartment	04-1	11-3
X606 ..	CONNECTOR (26-PINS, BLACK)	Below RH side of rear seat Convertible	02-3	00-2
X606 ..	CONNECTOR (26-PINS, BLACK)	In LH side of luggage compartment	04-1	00-2
X607 ..	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		03-6
X623 ..	CONNECTOR (4-PINS, BLACK)	In upper LH front door behind door panel		10-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X624	CONNECTOR (4-PINS, BLACK)	In upper RH front door behind door panel	32-1	10-1
X625	CONNECTOR (6-PINS, WHITE)	LH front door	31-3	05-1
X638	CONNECTOR (2-PINS, BLACK)	Below RH side of rear seat	20-2	
X641	CONNECTOR (6-PINS, BLACK)	RH front door behind door panel		08-2
X644	CONNECTOR (6-PINS, BLACK)	In lower LH rear door		05-3
X645	CONNECTOR (6-PINS, BLUE)	In lower LH rear door		06-2
X646	CONNECTOR (6-PINS, BLACK)	In lower RH rear door behind trim panel		06-2
X647	CONNECTOR (6-PINS, BLUE)	In lower RH rear door behind trim panel		08-4
X651	CONNECTOR (6-PINS, YELLOW)	Center console	30-2	05-3
X658	CONNECTOR (6-PINS, YELLOW)	Center console	30-1	05-3
X660	CONNECTOR (4-PINS, BLACK)	LH front door in door at key lock assembly		05-4
X662	CONNECTOR (6-PINS, GRAY)	Below LH side of dash RH side of steering column	29-2	04-5
X663	CONNECTOR (6-PINS, GRAY)	Below LH side of dash RH side of steering column	29-3	04-5
X669	CONNECTOR (6-PINS, GRAY)	Below RH side of dash center console right	29-2	04-5
X679	CONNECTOR (2-PINS, WHITE)	Below RH side of rear seat	20-2	
X692	CONNECTOR (3-PINS, BLACK)	Center console		02-1
X695	CONNECTOR (10-PINS, BLACK)	Below center console		02-4
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	31-2	

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COMPONENT LOCATION CHART

COMPONENT			PAGE 7100.0	FIGURE 8500.0
X709	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid, near license plate	09-1	
X710	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid, near license plate	09-1	
X711	CONNECTOR (1-PINS, NATURAL)	Underside of trunk lid left	34-2	
X712	CONNECTOR (1-PINS, NATURAL)	Underside of trunk lid left		
X713	CONNECTOR (2-PINS, BLACK)	Under rear of car LH side of on differential	08-1	
X714	CONNECTOR (2-PINS, GRAY)	In lower LH rear door behind trim panel		
X720	CONNECTOR (2-PINS, GRAY)	In lower RH rear door behind trim panel		
X726	CONNECTOR (2-PINS, (---))	Under LH front seat	23-2	
X727	CONNECTOR (2-PINS, (---))	Under LH front seat	23-2	
X728	CONNECTOR (2-PINS, (---))	Under LH front seat	23-2	
X729	CONNECTOR (2-PINS, (---))	Under LH front seat	23-2	
X732	CONNECTOR (4-PINS, BLACK)	Under LH front seat under carpet		03-3
X733	CONNECTOR (4-PINS, BLACK)	Under LH front seat under carpet		03-3
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	24-1	03-3
X741	CONNECTOR (4-PINS, BLACK)	Under RH front seat	24-1	03-3
X742	CONNECTOR (2-PINS, YELLOW)	RH front door in door at key lock assembly		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X744	CONNECTOR (2-PINS, GRAY)	RH front door behind door panel	32-1	
X746	CONNECTOR (3-PINS, BLACK)	RH front door behind door panel	32-1	01-1
X747	CONNECTOR (2-PINS, YELLOW)	LH front door in door at key lock assembly	32-2	
X749	CONNECTOR (4-PINS, BLACK)	In upper LH front door	31-3	12-3
X751	CONNECTOR (2-PINS, WHITE)	LH front door in door at key lock assembly	32-2	
X752	CONNECTOR (2-PINS, GRAY)	LH front door in door at key lock assembly	32-2	
X757	CONNECTOR (2-PINS, BLACK)	LH front door	31-3	
X768	CONNECTOR (2-PINS, WHITE)	In the engine compartment near LH headlight assembly	08-2	
X768	CONNECTOR (2-PINS, WHITE)	In the engine compartment near LH headlight assembly		
X769	CONNECTOR (2-PINS, WHITE)	In the engine compartment near RH headlight assembly	08-2	
X770	CONNECTOR (2-PINS, YELLOW)	Front RH side of engine compartment	20-1	
X771	CONNECTOR (2-PINS, BLACK)	RH side of LH footwell LH side of IHKR Plenum	28-1	
X772	CONNECTOR (2-PINS, WHITE)	Center console		
X773	CONNECTOR (2-PINS, WHITE)	Center console		
X774	CONNECTOR (1-PINS, GRAY)	Rear of engine compartment behind RH fresh air cowl		
X778	CONNECTOR (3-PINS, BLACK)	In LH front seat belt buckle	23-2	01-1
X779	CONNECTOR (2-PINS, BLACK)	LH side of glove box	25-1	
X782	CONNECTOR (3-PINS, ORANGE)	Front LH side of engine compartment	27-2	13-1
X783	CONNECTOR (3-PINS, BLACK)	Underside of steering column		13-1
X786	CONNECTOR (2-PINS, BLACK)	UNDERHOOD LIGHT, E20		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
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, GRAY)	LH side of IHKR Plenum	29-1	03-3
X905	CONNECTOR (5-PINS, BLACK)	Behind center of dashboard		
X998	CONNECTOR (4-PINS, BLACK)	Below center console		03-1
X999	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard LH side of IHKR Plenum		03-3
X1001	CONNECTOR (4-PINS, BLACK)	RIGHT REAR SPEAKER, H45		03-3
X1002	CONNECTOR (4-PINS, (---))	LEFT REAR SPEAKER, H46		03-3
X1014	CONNECTOR (1-PINS, BLACK)	Center console near gearshift lever	30-2	
X1034	CONNECTOR (3-PINS, BLACK)	Near LH headlight assembly	13-2	11-2
X1070	CONNECTOR (18-PINS, BLACK)	Center console	03-1	01-5
X1071	CONNECTOR (18-PINS, NATURAL)	Center console	03-1	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)	Behind LH footwell speaker grille		03-6
X1161	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		03-6
X1162	CONNECTOR (2-PINS, BLACK)	Near brake master cylinder	18-3	
X1165	GROUND	Below LH side of dash	07-1	
X1166	GROUND	Behind RH footwell trim above	07-3	
X1170	CONNECTOR (42-PINS, BLACK)	LATE PRODUCTIONbehind glove box (glove box removed)	01-2	12-4

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X1171	CONNECTOR (55-PINS, BLACK)	Behind glove box (glove box removed)	01-3	00-1
X1176	CONNECTOR (25-PINS, BLACK)	LH side of engine compartment		05-3
X1178	CONNECTOR (2-PINS, WHITE)	Below center console LH side of gearshift selector		
X1193	CONNECTOR (3-PINS, BLACK)	Center console RH side of gearshift selector		01-1
X1213	CONNECTOR (2-PINS, BLACK)	Center console	31-2	
X1239	CONNECTOR (2-PINS, BLACK)	RH C-Pillar		
X1240	CONNECTOR (2-PINS, BLACK)	LH C-Pillar		
X1241	CONNECTOR (2-PINS, NATURAL)	Below LH side of rear seat	21-2	
X1242	CONNECTOR (26-PINS, BLACK)	Behind glove box	01-1	00-2
X1243	CONNECTOR (6-PINS, BLACK)	Center console near gearshift lever	31-1	04-2
X1245	CONNECTOR (1-PINS, BLACK)	Above LH sun visor		
X1246	CONNECTOR (1-PINS, BLACK)	Above RH sun visor		
X1380	CONNECTOR (1-PINS, NATURAL)	Behind RH footwell speaker grille		
X1381	CONNECTOR (1-PINS, NATURAL)	Behind LH footwell kickpanel		
X1426	CONNECTOR (1-PINS, BROWN)	Rear RH side of engine compartment in E-Box		
X5013	CONNECTOR (2-PINS, BLACK)	LH side of engine (M3)	14-2	
X5013	CONNECTOR (2-PINS, BLACK)	Front of engine compartment		
X5020	CONNECTOR (2-PINS, BLACK)	Front of engine compartment (M3)		
X5021	CONNECTOR (2-PINS, BLACK)	Front of engine compartment		
X5022	CONNECTOR (3-PINS, BLACK)	Front of engine compartment (M3)	12-2	07-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100 0	8500 0
X5023	CONNECTOR (3-PINS, BLACK)	RH front of engine (M3)	12-1	07-3
X5023	CONNECTOR (3-PINS, BLACK)	Front of engine compartment		07-3
X5024	CONNECTOR (15-PINS, WHITE)	Rear RH side of engine compartment	04-3	00-3
X5028	CONNECTOR (4-PINS, BLACK)	Lower LH side of engine (M3)		03-4
X5029	CONNECTOR (10-PINS, BLACK)	Front LH side of engine compartment in Front Power Distribution Box		09-1
X5032	CONNECTOR (15-PINS, BLACK)	Front of engine compartment		00-3
X6000	CONNECTOR (88-PINS, BLACK)	Rear RH side of engine compartment	00-1	06-1
X6002	CONNECTOR (20-PINS, BLACK)	Rear RH side of engine compartment	05-1	04-4
X6101	CONNECTOR (2-PINS, BLACK)	On throttle body (M3)	11-2	
X6101	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6102	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6103	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6104	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6105	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6106	CONNECTOR (2-PINS, BLACK)	Top center of engine		
X6120	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment right of LH side shock tower	15-1	
X6120	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment right of LH side shock tower	20-3	
X6130	CONNECTOR (3-PINS, GRAY)	RH front of engine below intake manifold (325i)	11-3	13-2
X6130	CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment (M3)	14-3	
X6133	CONNECTOR (2-PINS, BLACK)	Front of engine compartment		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X6151	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6152	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6153	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6154	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6155	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6156	CONNECTOR (3-PINS, GRAY)	Top RH side of engine		07-4
X6200	CONNECTOR (4-PINS, BLACK)	Under center of car	15-3	03-4
X6203	CONNECTOR (3-PINS, BLACK)	Front of engine below intake manifold (M3)	12-2	13-2
X6204	CONNECTOR (3-PINS, BLACK)	Front of engine below intake manifold (M3)	12-2	07-3
X6205	CONNECTOR (2-PINS, BLACK)	LH side of engine (near oil level stick)	13-3	
X6208	CONNECTOR (2-PINS, BLACK)	Front of engine CAMSHAFT ACTUATOR, B6208		
X6209	CONNECTOR (3-PINS, BLACK)	Front of engine HALL EFFECT CAMSHAFT SENSOR, B6209		07-5
X6217	CONNECTOR (4-PINS, GRAY)	Top front of engine		07-2
X6231	CONNECTOR (2-PINS, BROWN)	RH front of engine below intake manifold (near oil level stick) (325i)	11-1	
X6231	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment (near oil level stick) (M3)	14-2	
X6231	CONNECTOR (2-PINS, BROWN)	RH front of engine below intake manifold (near oil level stick) (318i)	17-1	
X6232	CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (325i)	11-3	
X6232	CONNECTOR (2-PINS, BLACK)	RH front of engine (M3)	12-1	
X6232	CONNECTOR (2-PINS, BLACK)	RH front of engine below intake manifold (318i)	17-2	
X6233	CONNECTOR (7-PINS, BLACK)	LH side of engine compartment right of LH side shock tower		04-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X6236	CONNECTOR (2-PINS, BLUE)	RH front of engine below intake manifold (325i)	11-1	
X6236	CONNECTOR (2-PINS, BLUE)	RH front of engine (M3)	12-1	
X6236	CONNECTOR (2-PINS, BLUE)	RH front of engine below intake manifold (318i)	17-2	
X6238	CONNECTOR (2-PINS, BLACK)	LH side of engine (M3)	14-2	
X6241	CONNECTOR (3-PINS, BLACK)	LH side of engine (M3)	14-1	07-5
X6241	CONNECTOR (3-PINS, BLACK)	LH side of engine (318i)	16-3	07-5
X6242	CONNECTOR (2-PINS, BLACK)	LH side of engine (M3)	14-1	07-3
X6242	CONNECTOR (3-PINS, BLACK)	LH side of engine (318i)	16-3	07-5
X6243	CONNECTOR (3-PINS, BLACK)	LH side of engine (M3)	14-1	07-5
X6252	CONNECTOR (3-PINS, BLACK)	LH side of engine (M3)	11-2	07-3
X6252	CONNECTOR (3-PINS, BLACK)	LH side of engine (near oil level stick) (320i-325i)	13-3	13-2
X6300	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		03-6
X6301	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		03-6
X6303	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment		03-6
X6307	CONNECTOR (10-PINS, BLACK)	Front of engine compartment		09-1
X6454	GROUND	Rear RH side of engine compartment back of RH side shock tower	06-2	
X6456	GROUND	RH front of engine (325i)	11-3	
X6509	CABLE SOCKET ALTERNATOR B+	Front LH side of engine compartment	05-2	
X6509	CABLE SOCKET ALTERNATOR B+	Front LH side of engine compartment		
X6510	CABLE SOCKET STARTER TERMINAL 50	Rear LH side of engine compartment below intake manifold		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
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		
X7000	CONNECTOR (88-PINS, BLACK)	Rear RH side of engine compartment	00-1	06-1
X7509	CABLE SOCKET ALTERNATOR TERMINAL D+	Front LH side of engine compartment below		
X8500	CONNECTOR (55-PINS, BLACK)	Rear RH side of engine compartment	00-1	00-1
X8503	CONNECTOR (10-PINS, WHITE)	Center console RH side of gearshift selector	31-1	02-4
X8507	CONNECTOR (1-PINS, BLACK)	Below LH side of dash		
X8511	CONNECTOR (2-PINS, BLACK)	Under front of car LH side of transmission		
X8516	CONNECTOR (3-PINS, BLACK)	Under center of car above		13-2
X8521	CONNECTOR (9-PINS, BLACK)	Under center of car above		13-3
X9997	CONNECTOR (2-PINS, ORANGE)	Behind steering wheel	24-2	
X10012	GROUND	Behind RH footwell trim above	07-3	
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		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
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		
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		03-6
X10034	CONNECTOR (2-PINS, (---))	Rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90		
X10035	CONNECTOR (2-PINS, (---))	Rear LH side of engine compartment FRONT POWER DISTRIBUTION BOX, P90		
X10036	CONNECTOR (2-PINS, BLACK)	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	28-1	02-6
X10065	CONNECTOR (2-PINS, WHITE)	LH side of LH footwell under footrest		
X10070	CONNECTOR (2-PINS, GRAY)	Near LH headlight assembly	13-2	
X10071	CONNECTOR (2-PINS, BLACK)	Near LH headlight assembly	13-2	
X10074	CONNECTOR (2-PINS, BLACK)	Near LH headlight assembly		
X10075	CONNECTOR (2-PINS, GRAY)	Near RH headlight assembly		
X10092	CONNECTOR (9-PINS, BLACK)	Behind glove box left	25-2	03-6
X10094	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment		
X10098	CONNECTOR (1-PINS, (---))	Front RH side of engine compartment		
X10099	CONNECTOR (1-PINS, (---))	Front RH side of engine compartment		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X10182	CONNECTOR (18-PINS, BLACK)	Behind glove box (glove box removed)	01-1	01-5
X10193	CONNECTOR (9-PINS, BLACK)	Behind glove box (glove box removed)		03-6
X10218	CONNECTOR (3-PINS, NATURAL)	Under RH front seat	24-1	01-1
X10223	CONNECTOR (3-PINS, BLACK)	In convertible top compartment left	22-1	03-6
X10224	CONNECTOR (2-PINS, BLACK)	In convertible top compartment left	22-1	
X10225	CONNECTOR (3-PINS, BLACK)	Underside of trunk lid		01-1
X10226	CONNECTOR (9-PINS, BLACK)	Behind glove box	25-2	03-6
X10238	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment		
X10239	CONNECTOR (3-PINS, BLACK)	LH side of engine compartment		07-3
X10240	CONNECTOR (9-PINS, BLACK)	Below LH side of dash		03-6
X10244	CONNECTOR (1-PINS, BLACK)	Below LH side of dash		
X10250	CONNECTOR (2-PINS, (---))	Behind LH footwell speaker grille		
X11205	CONNECTOR (2-PINS, BLACK)	In convertible top compartment behind rear seats		
X11209	CONNECTOR (2-PINS, BLACK)	Behind rear seats left		
X11211	CONNECTOR (2-PINS, (---))	In convertible top compartment		
X13004	GROUND	In upper RH rear seatback	06-1	
X13006	GROUND	In upper LH rear seatback		
X13009	GROUND	Behind RH footwell trim above	07-3	
X13016	GROUND	Below LH side of dash	07-1	
X13025	CONNECTOR (12-PINS, BLACK)	Behind glove box (glove box removed)	01-3	02-6

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X13026	CONNECTOR (1-PINS, BLACK)	LH side of dash		
X13044	CONNECTOR (12-PINS, BLACK)	In lower LH C-pillar behind side panel	02-1	01-3
X13045	CONNECTOR (6-PINS, GREEN)	Center console		05-3
X13079	CONNECTOR (3-PINS, YELLOW)	Behind rear seats		01-1
X13142	CONNECTOR (2-PINS, WHITE)	Behind rear seats	21-3	
X13143	CONNECTOR (3-PINS, BLACK)	Behind rear seats		01-1
X13145	CONNECTOR (6-PINS, BLACK)	In LH side of luggage compartment	34-3	04-2
X13146	CONNECTOR (2-PINS, BLACK)	In LH side of luggage compartment	34-1	
X13152	CONNECTOR (4-PINS, BLACK)	In LH side of luggage compartment	34-1	07-6
X13156	CONNECTOR (10-PINS, BLACK)	In lower LH C-pillar behind side panel	02-1	09-4
X13157	CONNECTOR (6-PINS, BLACK)	In lower LH C-pillar behind side panel	02-1	05-3
X13159	CONNECTOR (26-PINS, BLACK)	In lower LH C-pillar behind side panel	02-1	00-2
X13226	CONNECTOR (2-PINS, BLACK)	Behind rear seats		
X13227	CONNECTOR (2-PINS, BLACK)	Behind rear seats		
X13230	GROUND	Behind RH footwell trim above Convertible		
X13252	CONNECTOR (15-PINS, YELLOW)	Behind glove box (glove box removed)	01-1	00-3
X13253	CONNECTOR (26-PINS, YELLOW)	Behind glove box (glove box removed)	01-1	00-2
X13254	CONNECTOR (26-PINS, GREEN)	Behind glove box (glove box removed)	01-1	00-2
X13255	CONNECTOR (12-PINS, NATURAL)	Behind glove box (glove box removed)		01-3
X13256	CONNECTOR (2-PINS, GRAY)	Left from LH rear seat behind trim panel	22-2	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X13257	CONNECTOR (2-PINS, GRAY)	RH side of RH rear seat behind trim panel	22-2	
X13258	CONNECTOR (15-PINS, WHITE)	Behind glove box (glove box removed)	25-2	00-3
X13262	CONNECTOR (6-PINS, BLUE)	Center console		05-3
X13263	CONNECTOR (2-PINS, BLACK)	Behind glove box		
X18080	CONNECTOR (1-PINS, NATURAL)	In luggage compartment		
X18126	CONNECTOR (17-PINS, BLACK)	Center console behind radio		02-3
X18154	CONNECTOR (26-PINS, BLUE)	Center console		00-2
X18155	CONNECTOR (26-PINS, WHITE)	Center console	03-2	00-2
X18156	CONNECTOR (26-PINS, BLACK)	Center console	03-2	00-2
X18157	CONNECTOR (26-PINS, BLUE)	Center console	03-2	00-2
X18180	CONNECTOR (3-PINS, WHITE)	In RH rear side of luggage compartment	03-3	02-1
X18196	CONNECTOR (10-PINS, BLACK)	Driver's door LEFT FRONT HIGH RANGE SPEAKER, H59		02-4
X18198	CONNECTOR (10-PINS, BLACK)	Passenger's door RIGHT FRONT HIGH RANGE SPEAKER, H50		02-4
X18277	CONNECTOR (2-PINS, BLACK)	LH front door	32-2	
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	32-2	
X18336	CONNECTOR (3-PINS, BLACK)	LH side of glove box (glove box removed)		01-1
X18500	CONNECTOR (25-PINS, (---))	Center console		
X18507	CONNECTOR (2-PINS, (---))	Center console		
X18509	CONNECTOR (8-PINS, (---))	Center console		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
X18515	CONNECTOR (2-PINS, (---))	LH side of LH footwell behind trim panel	
X18518	CONNECTOR (3-PINS, BLACK)	Under RH front seat	01-1
X18520	CONNECTOR (10-PINS, (---))	Center console RADIO, N9	
X18521	CONNECTOR (10-PINS, (---))	RH side of luggage compartment CD CHANGER, N22	
X18723	GROUND	Below LH side of dash	
X18741	CONNECTOR (4-PINS, (---))	Center of dash MICROPHONE, B400	
X18797	CONNECTOR (1-PINS, NATURAL)	In RH rear side of luggage compartment	
X18798	CONNECTOR (1-PINS, NATURAL)	In RH rear side of luggage compartment	
Y1	ABS HYDRAULIC UNIT	Rear LH side of engine compartment back of LH side shock tower	16-2
Y1w	ABS HYDRAULIC UNIT	LH side of engine compartment	
Y2	AIR CONDITIONING COMPRESSOR	Front of engine	
Y4	WATER VALVE ASSEMBLY	Rear LH side of engine compartment	16-2
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	
Y85	LH ROLLOVER PROTECTION ACTUATOR	Behind rear seats Convertible	02-3
Y86	RH ROLLOVER PROTECTION ACTUATOR	Behind rear seats Convertible	02-3
Y5013	CHANGE-OVER VALVE	LH side of engine (M3)	14-2
Y5020	VARIABLE CAMSHAFT CONTROL VALVE 1	RH front of engine (M3)	11-2
Y5021	VARIABLE CAMSHAFT CONTROL VALVE 2	Front of engine compartment (M3)	

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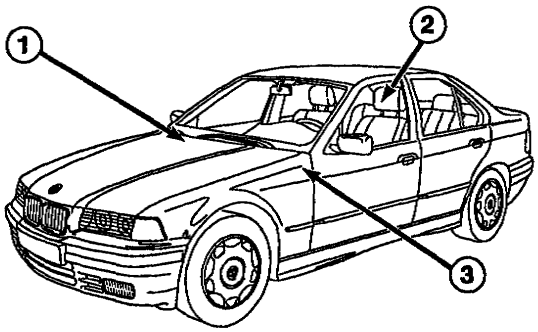
COMPONENT LOCATION CHART

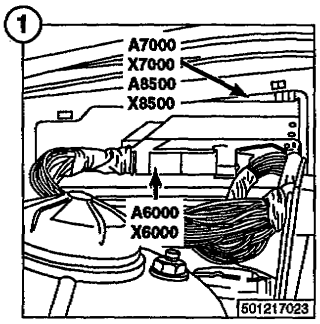
COMPONENT			PAGE – FIGURE 7100.0 8500.0
Y6101	CYL. 1 FUEL INJECTION VALVE	RH front of engine (M3)	11–2
Y6101	CYL. 1 FUEL INJECTION VALVE	Top center of engine	12–3
Y6102	CYL. 2 FUEL INJECTION VALVE	Top center of engine	12–3
Y6103	CYL. 3 FUEL INJECTION VALVE	Top center of engine	12–3
Y6104	CYL. 4 FUEL INJECTION VALVE	Top center of engine	12–3
Y6105	CYL. 5 FUEL INJECTION VALVE	Top center of engine	12–3
Y6106	CYL. 6 FUEL INJECTION VALVE	Top center of engine	12–3
Y6120	EVAPORATIVE EMISSION VALVE	Front LH side of engine compartment right of LH side shock tower	15–1
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment right of LH side shock tower	20–3
Y6130	IDLE SPEED CONTROL VALVE	RH front of engine below intake manifold (325i)	11–3
Y6130	IDLE SPEED CONTROL VALVE	Rear LH side of engine compartment (M3)	14–3
Y6208	CAMSHAFT ACTUATOR	Front of engine compartment	
Y8505y	TRANSMISSION VALVE UNIT	On LH side of transmission	

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COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS

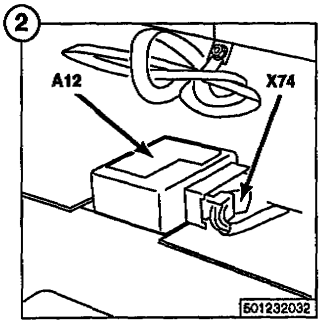




A6000 ENGINE CONTROL MODULE (DME) — X6000, X7000, X8500

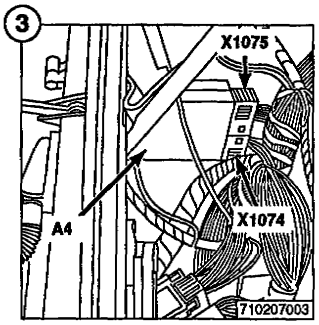
A7000 TRANSMISSION CONTROL MODULE (EGS)

A8500 TRANSMISSION CONTROL MODULE (EGS)



A12 SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE

X74



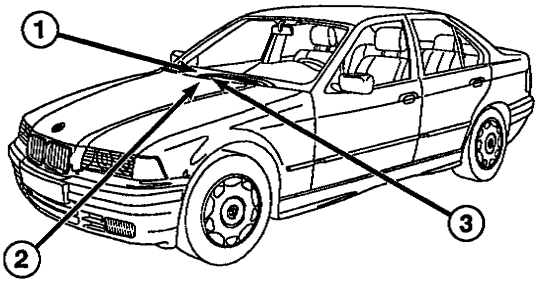
A4 CHECK CONTROL MODULE

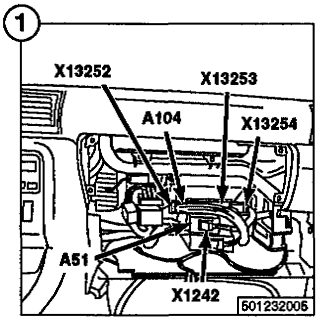
X1074
X1075

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COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS

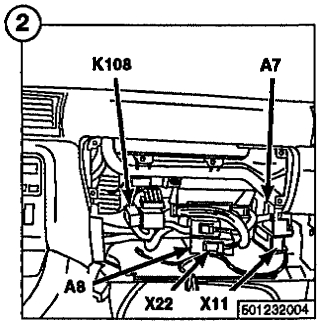




A51
WIPER/WASHER
MODULE

A104
BODY ELEC-
TRONICS CONTROL
MODULE (ZKE IV)

X1242
X13252
X13253
X13254

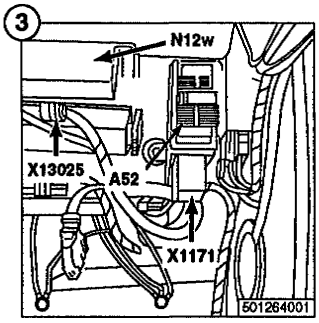


A7
SLIP CONTROL
MODULE (ABS)

A8
CRUISE CONTROL
MODULE
(TEMPOMAT)

K108
HORN RELAY
(ALPINE)

X11
X22
X1170

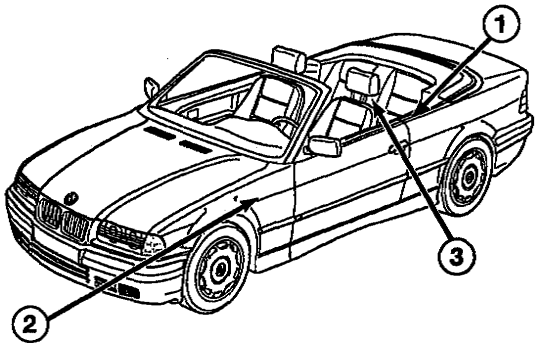


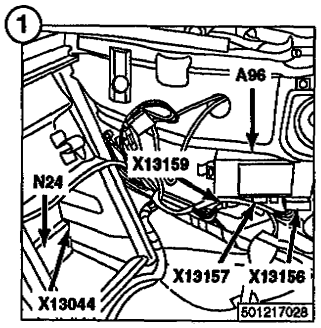
A52
SLIP CONTROL
MODULE
(ABS/ASC)

N12w
ANTI-THEFT
CONTROL MODULE
(ALPINE)

X1171
X13025

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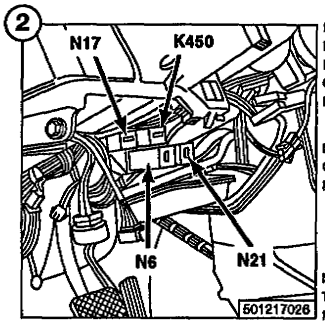


A96
CONVERTIBLE TOP CONTROL MODULE

N24
ROLLOVER SENSOR

X13044
X13156
X13157
X13159

CONVERTIBLE

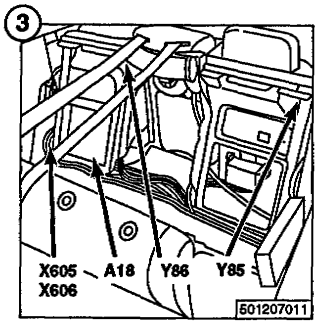


N6
HEADLIGHT/ FOGLIGHT CLEANING MODULE (SRA)

K450
PARK VENTILATION RELAY

N17
CRASH CONTROL MODULE

N21
TWIN RELAY MODULE



A18
HIFI AMPLIFIER

X605
X606

Y85
LH ROLLOVER PROTECTION ACTUATOR

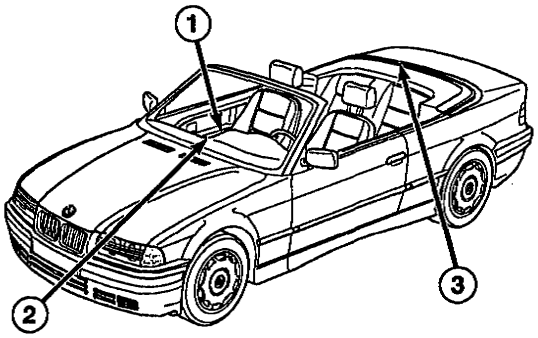
Y86
RH ROLLOVER PROTECTION ACTUATOR

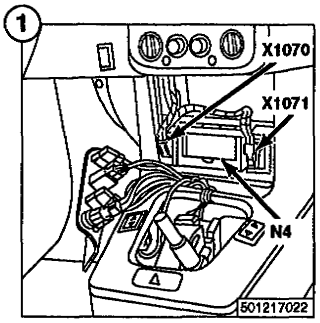
CONVERTIBLE

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COMPONENT LOCATION VIEWS

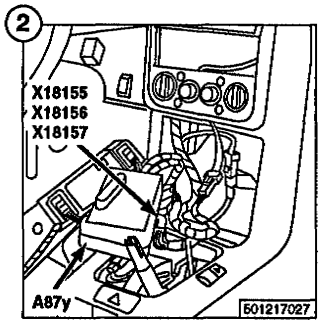
ELECTRICAL CONTROL MODULE LOCATIONS





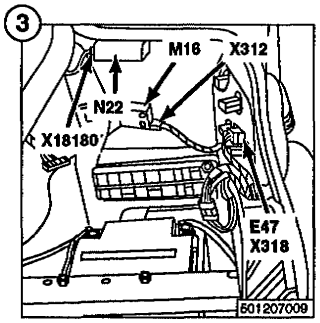
N4
ON-BOARD
COMPUTER

X1070
X1071



A87y
INTEGRATED
CLIMATE
REGULATION
CONTROL MODULE

X18155
X18156
X18157



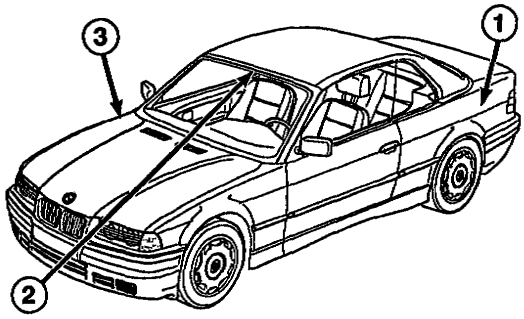
E47
RIGHT TRUNK
LIGHT ASSEMBLY

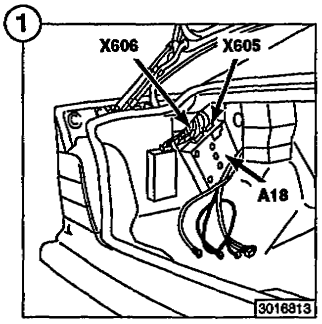
X312
X316
X16160

M16
GAS FILLER
LOCK MOTOR

N22
CD CHANGER

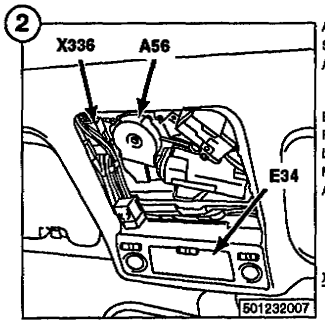
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A18
HIFI AMPLIFIER

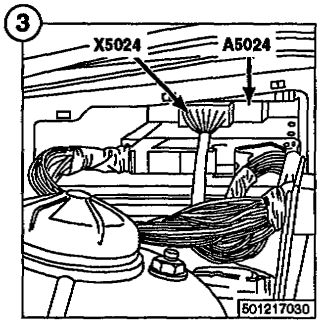
X605
X606



A56
SUNROOF CONTROL
ASSEMBLY

E34
FRONT DOME
LIGHT/
MAP READING
ASSEMBLY

X336



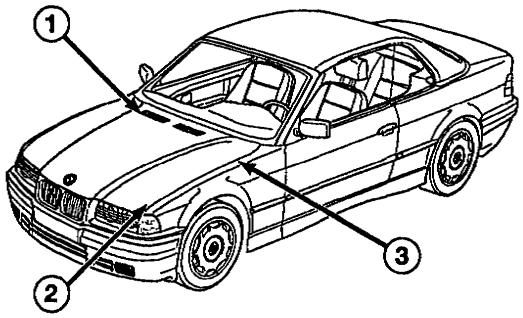
A5024
VARIABLE
CAMSHAFT
CONTROL MODULE
(VANOS)

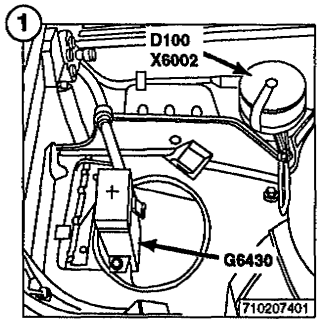
X5024

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BMW 3 COMPONENT LOCATION VIEWS

B(+)

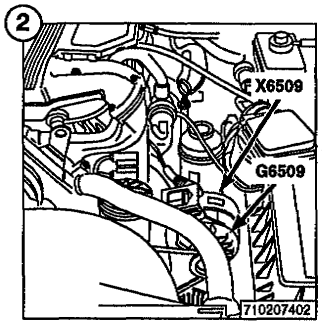




D100
DATA LINK
CONNECTOR

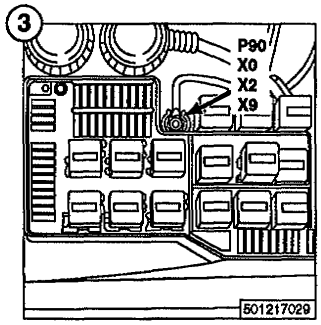
G6430
B+
JUMP START
JUNCTION POINT

X6002



G6509
GENERATOR

X6509
CABLE SOCKET
ALTERNATOR B+



P90
FRONT POWER
DISTRIBUTION
BOX

X0
B+
JUNCTION POINT

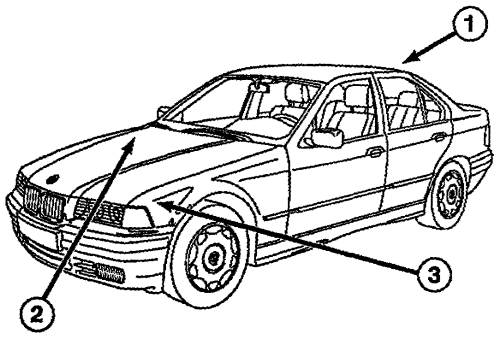
X2
BATTERY
B+ START POINT

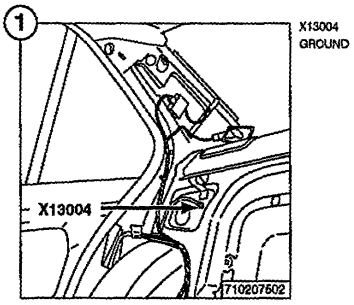
X9
B+
JUNCTION POINT

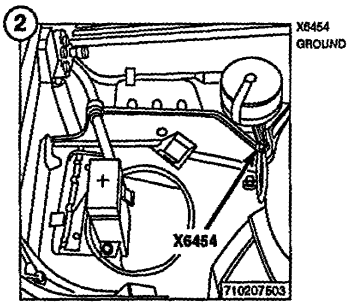
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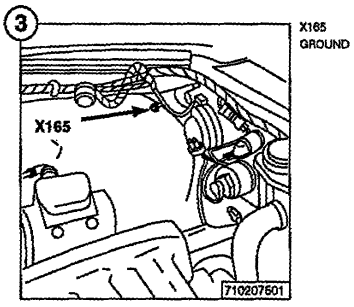
COMPONENT LOCATION VIEWS

B(-)





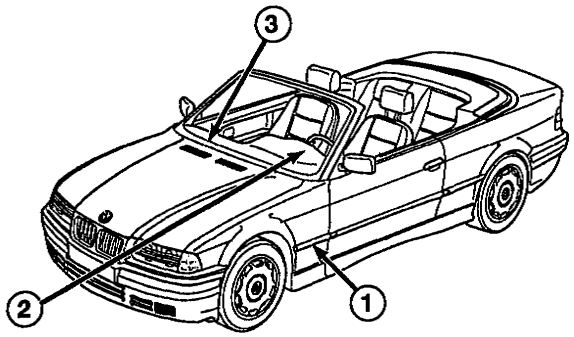


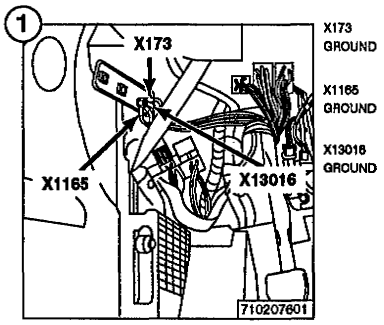


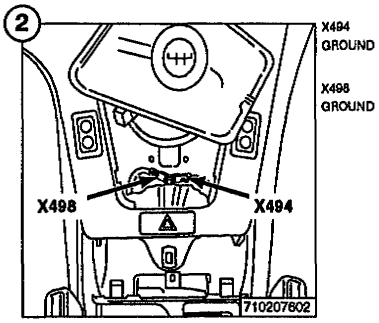
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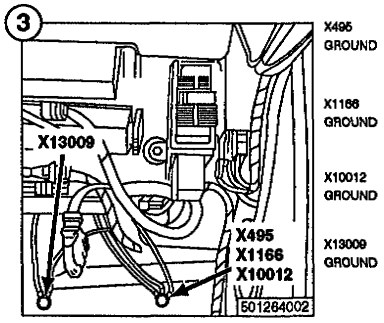
COMPONENT LOCATION VIEWS

B(-)



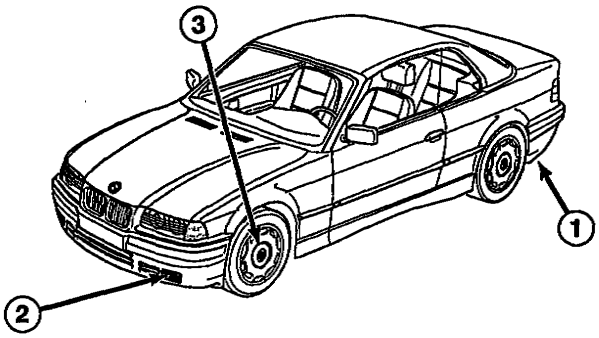


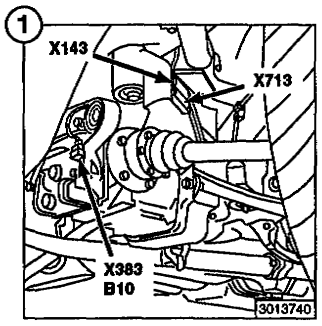




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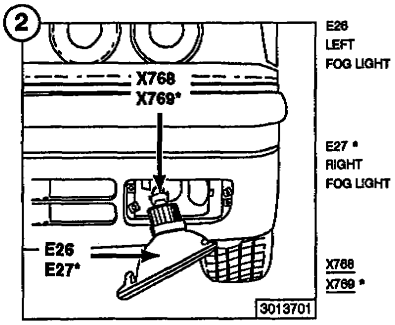
COMPONENT LOCATION VIEWS





B10
VEHICLE
SPEED SENSOR

X143
X383
X713

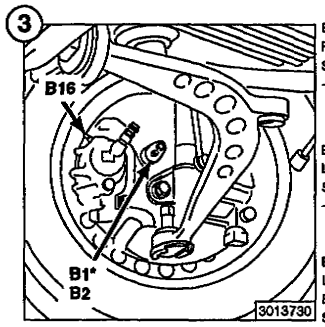


E26
LEFT
FOG LIGHT

E27 *
RIGHT
FOG LIGHT

X768
X769 *

*RH similar



B1 *
RIGHT FRONT
SPEED SENSOR
- ABS

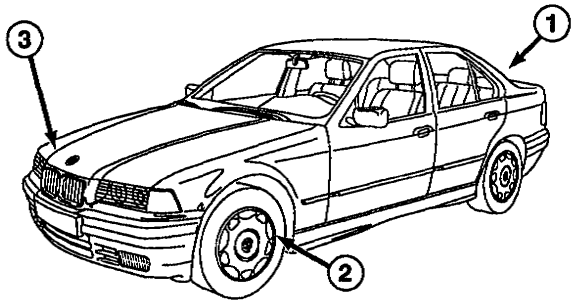
B2
LEFT FRONT
SPEED SENSOR
- ABS

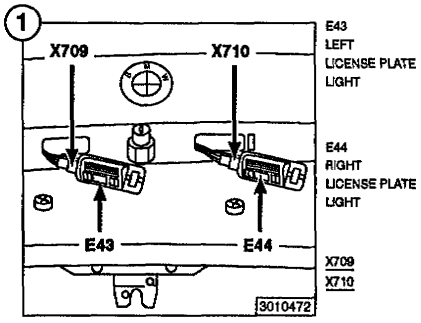
B16
LEFT FRONT
BRAKE PAD
SENSOR

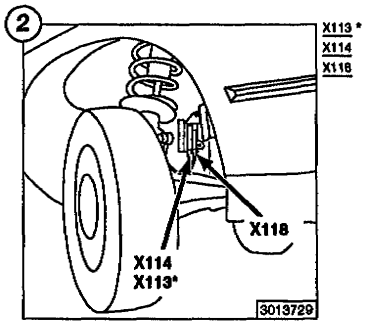
*RH similar

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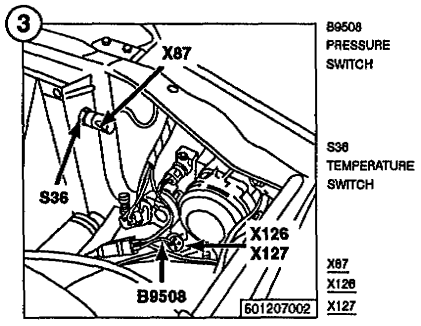
COMPONENT LOCATION VIEWS







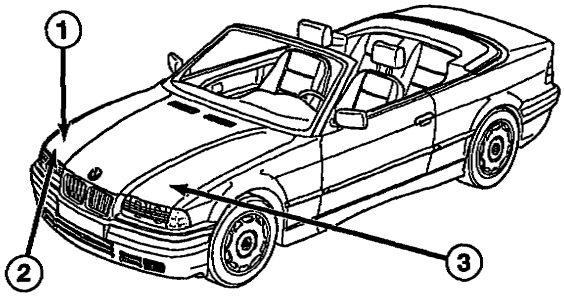
*RH similar

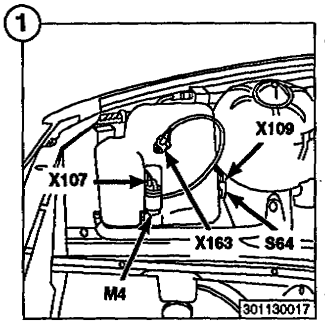


325i

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COMPONENT LOCATION VIEWS

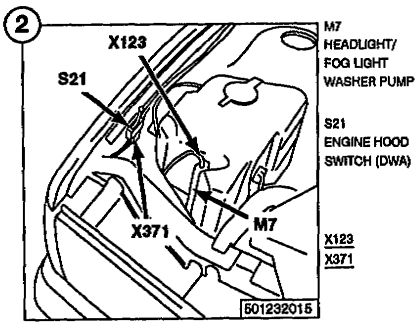




M4
WASHER PUMP

S64
WASHER
FLUID LEVEL
SWITCH

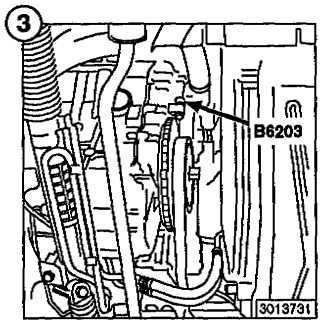
X107
X109
X163



M7
HEADLIGHT/
FOG LIGHT
WASHER PUMP

S21
ENGINE HOOD
SWITCH (DWA)

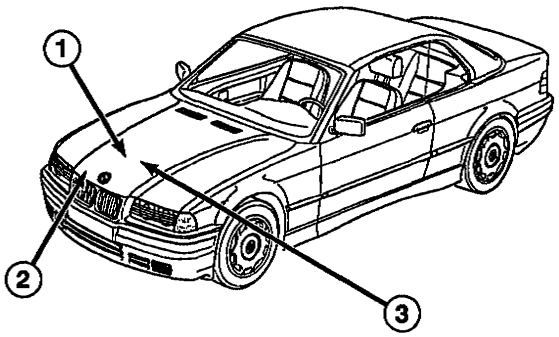
X123
X371

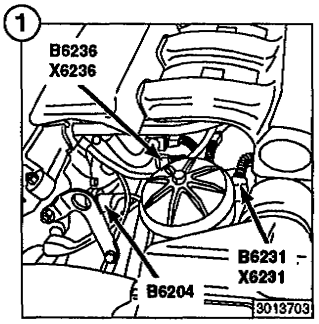


B6203
CRANKSHAFT
POSITION/RPM
SENSOR

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COMPONENT LOCATION VIEWS



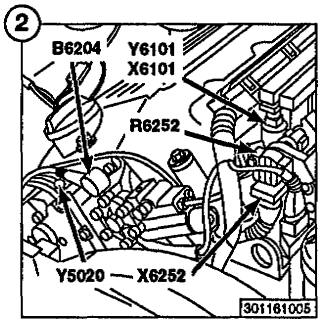


B6204 CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION) X6231 X6236

B6231 OIL PRESSURE SWITCH

B6236 ENGINE COOLANT TEMPERATURE SENSOR

325i

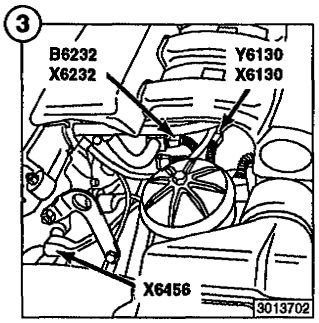


B6204 CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION) Y6101 CYL. 1 FUEL INJECTION VALVE

R6252 THROTTLE POSITION SENSOR X6101 X6252

Y5020 VARIABLE CAM-SHAFT CONTROL VALVE 1

M3 CDN



B6232 ENGINE COOLANT TEMPERATURE SENSOR

Y6130 IDLE SPEED CONTROL VALVE

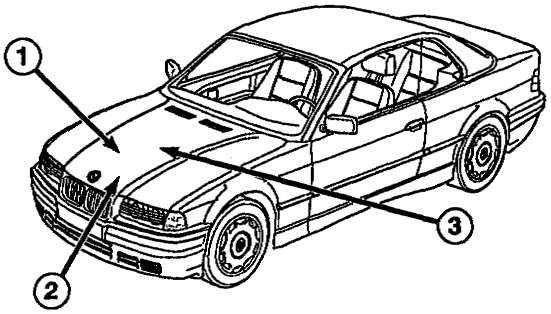
X6456 GROUND

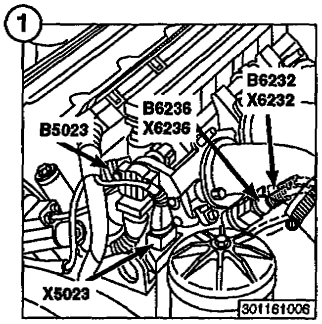
X6130 X6232

325i

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COMPONENT LOCATION VIEWS



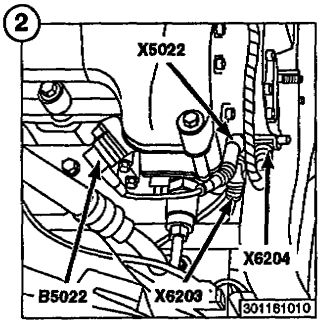


B5023 VARIABLE CAMSHAFT CONTROL SENSOR 2 — X5023, X6232, X6236

B6232 ENGINE COOLANT TEMPERATURE SENSOR

B6236 ENGINE COOLANT TEMPERATURE SENSOR

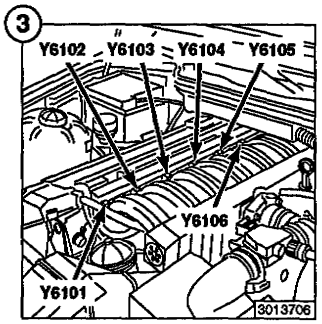
M3 CDN



B5022 VARIABLE CAMSHAFT CONTROL SENSOR 1

X5022, X6203, X6204

M3 CDN



Y6101 CYL. 1 FUEL INJECTION VALVE

Y6102 CYL. 2 FUEL INJECTION VALVE

Y6103 CYL. 3 FUEL INJECTION VALVE

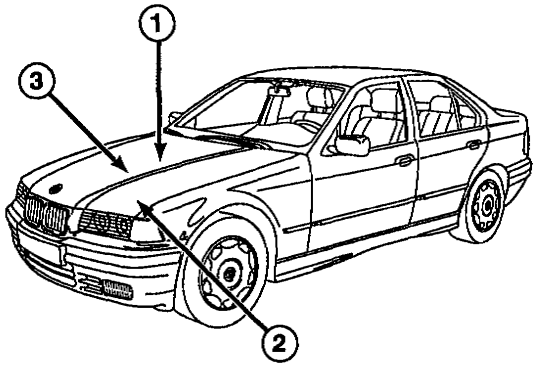
Y6104 CYL. 4 FUEL INJECTION VALVE

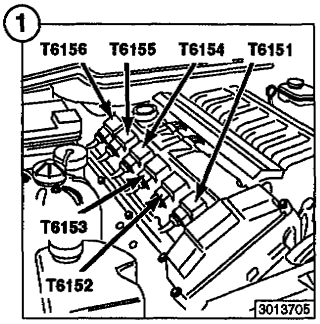
Y6105 CYL. 5 FUEL INJECTION VALVE

Y6106 CYL. 6 FUEL INJECTION VALVE

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COMPONENT LOCATION VIEWS





T6151 CYL. 1 IGNITION COIL

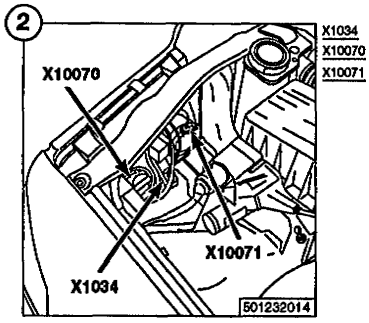
T6152 CYL. 2 IGNITION COIL

T6153 CYL. 3 IGNITION COIL

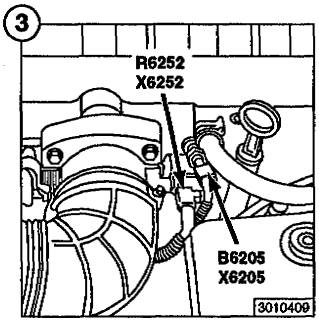
T6154 CYL. 4 IGNITION COIL

T6155 CYL. 5 IGNITION COIL

T6156 CYL. 6 IGNITION COIL



X1034
X10070
X10071



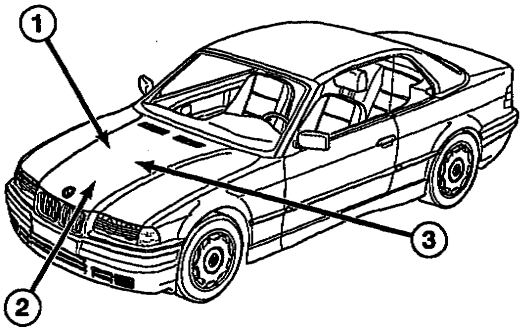
B6205 INTAKE AIR TEMPERATURE SENSOR

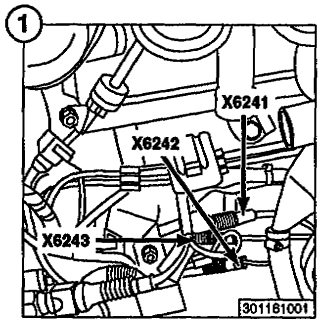
R6252 THROTTLE POSITION SENSOR

X6205
X6252

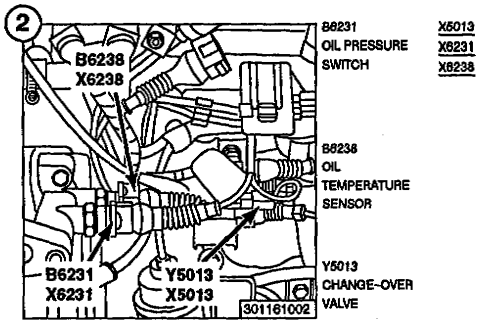
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COMPONENT LOCATION VIEWS

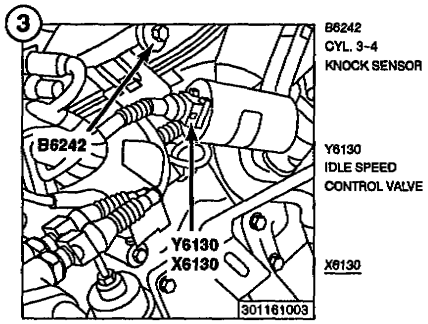




M3 CDN



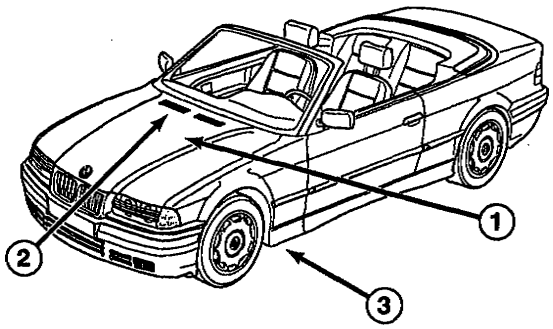
M3 CDN

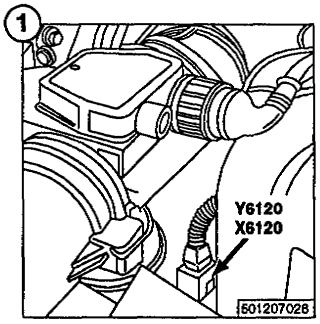


M3 CDN

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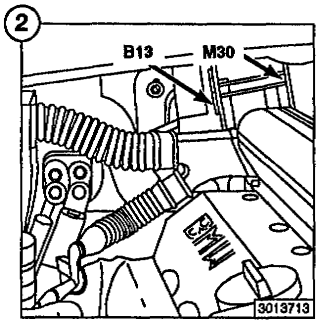
COMPONENT LOCATION VIEWS





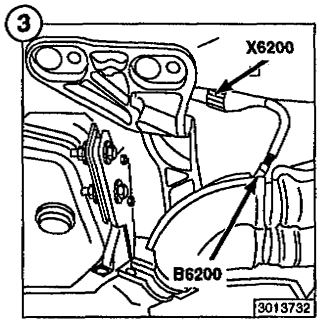
Y6120
EVAPORATIVE
EMISSION VALVE

X6120



B13
OUTSIDE
TEMPERATURE
SENSOR

M30
BLOWER MOTOR

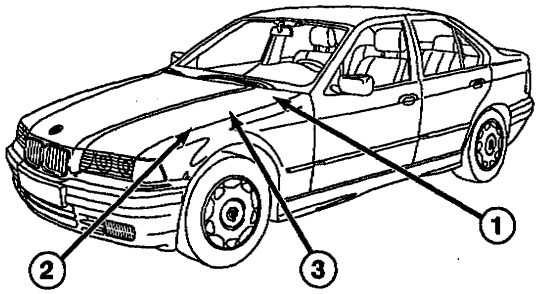


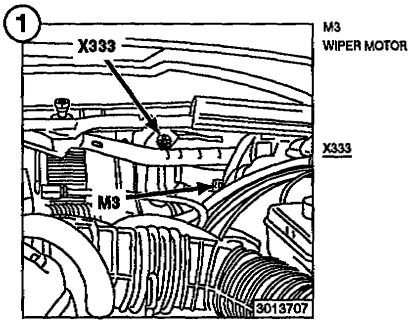
B6200
HEATED
OXYGEN SENSOR

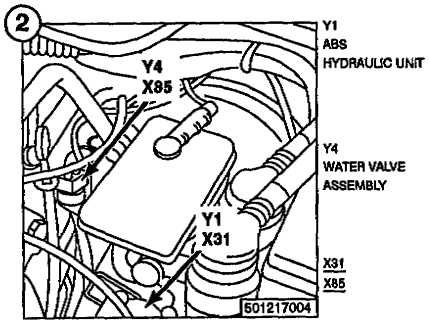
X6200

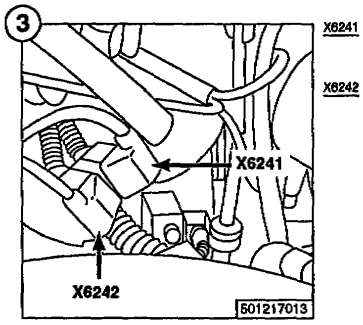
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COMPONENT LOCATION VIEWS





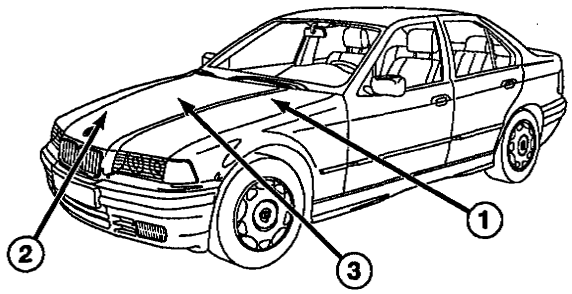


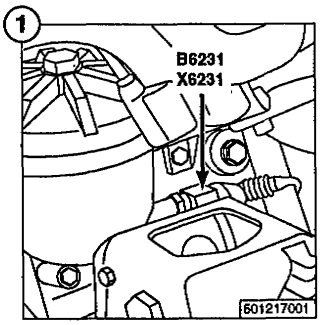


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COMPONENT LOCATION VIEWS

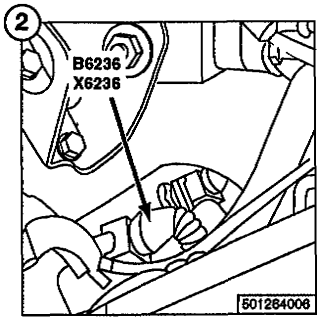




B6231
OIL PRESSURE SWITCH

X6231

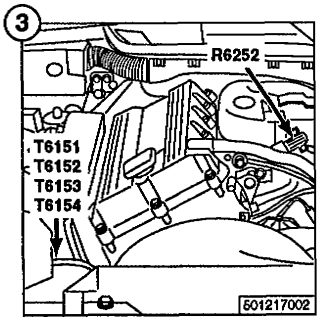
316I



B6236
ENGINE COOLANT TEMPERATURE SENSOR

X6236

316I



R6252
THROTTLE POSITION SENSOR

T6151
CYL. 1 IGNITION COIL

T6152
CYL. 2 IGNITION COIL

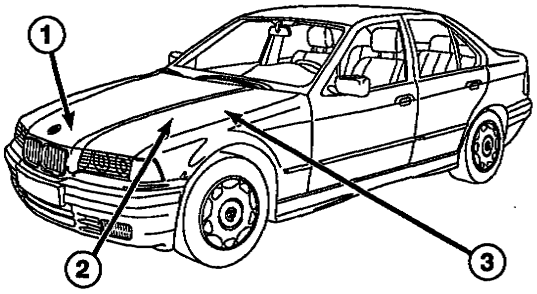
T6153
CYL. 3 IGNITION COIL

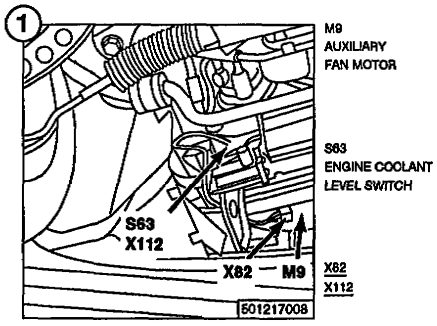
T6154
CYL. 4 IGNITION COIL

316I

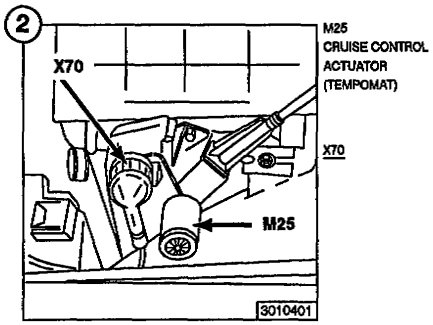
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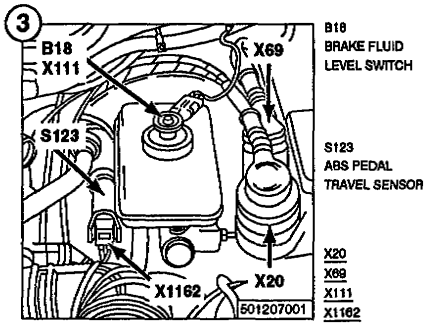
COMPONENT LOCATION VIEWS





318I

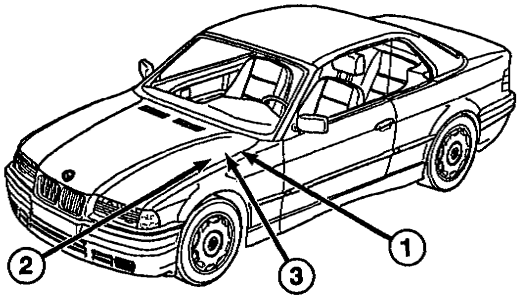


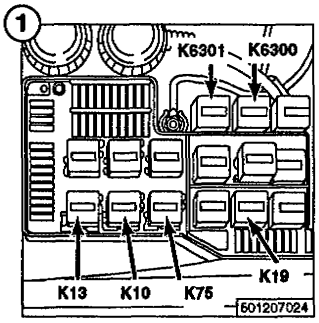


325I

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COMPONENT LOCATION VIEWS





K10 ABS RELAY

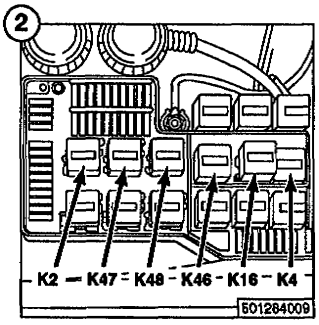
K75 ABS PUMP MOTOR RELAY

K13 REAR DEFOGGER RELAY

K6300 ENGINE CONTROL MODULE RELAY

K19 COMPRESSOR CONTROL RELAY

K6301 CYL. 1–6 FUEL PUMP RELAY



K2 HORN RELAY

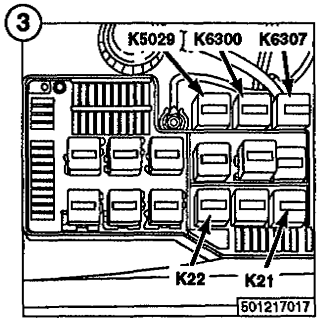
K48 HIGH BEAM LIGHT RELAY

K4 BLOWER RELAY

K47 FRONT FOG LIGHT RELAY

K16 HAZARD FLASHER RELAY

K46 LOW BEAM LIGHT RELAY



K21 NORMAL SPEED RELAY

K6300 ENGINE CONTROL MODULE RELAY

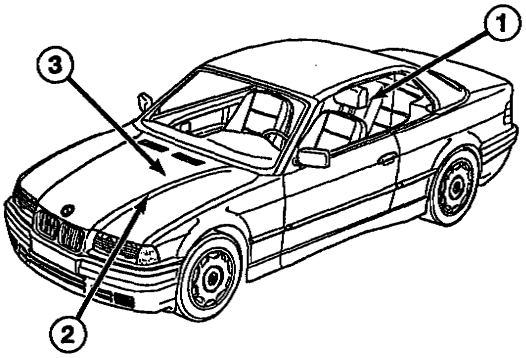
K22 HIGH SPEED RELAY

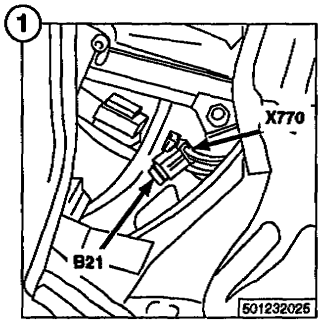
K6307 FUEL PUMP/START IDENTIFICATION RELAY

K5029 DOUBLE RELAY

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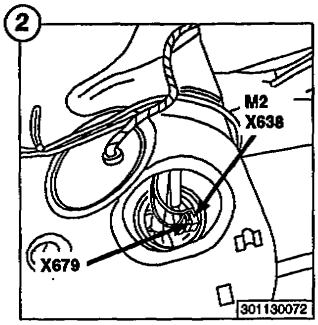
COMPONENT LOCATION VIEWS





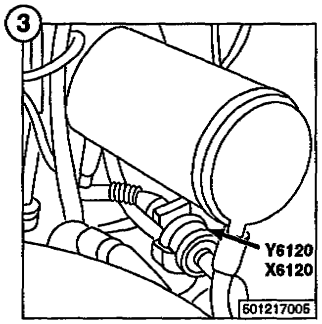
B21
ON-BOARD
COMPUTER
TEMPERATURE
SENSOR

X770



M2
FUEL PUMP

X638
X679



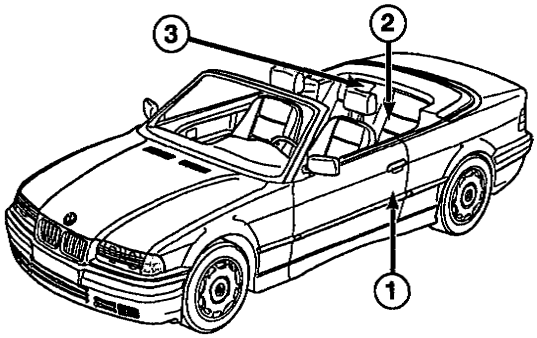
Y6120
EVAPORATIVE
EMISSION VALVE

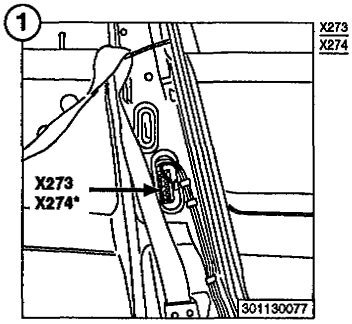
X6120

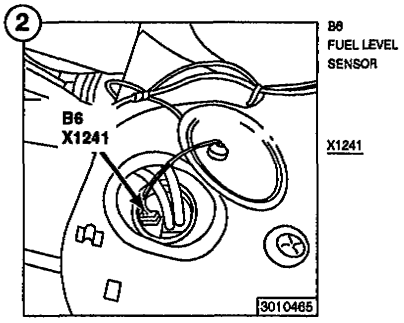
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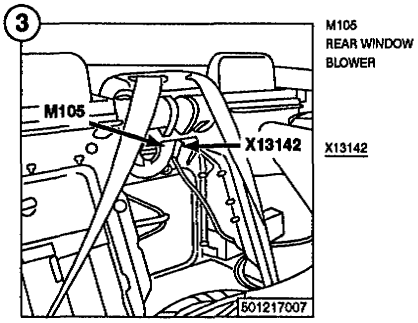
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COMPONENT LOCATION VIEWS



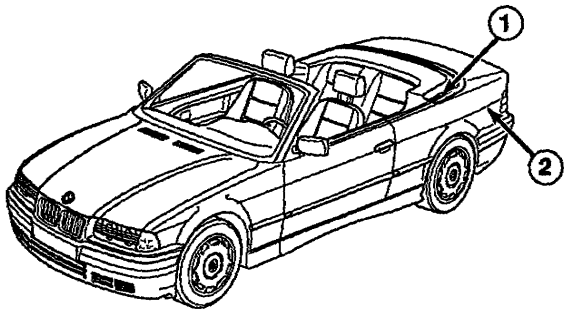


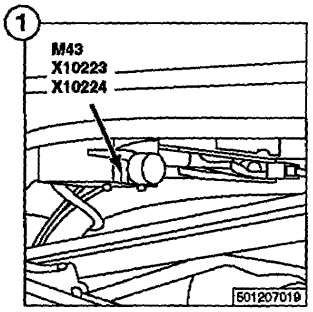




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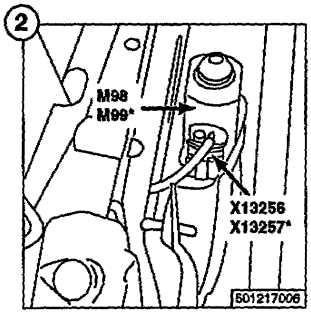
COMPONENT LOCATION VIEWS





M43
CONVERTIBLE TOP
STORAGE LID
LOCK MOTOR

X10223
X10224



M98
LEFT REAR
WINDOW MOTOR

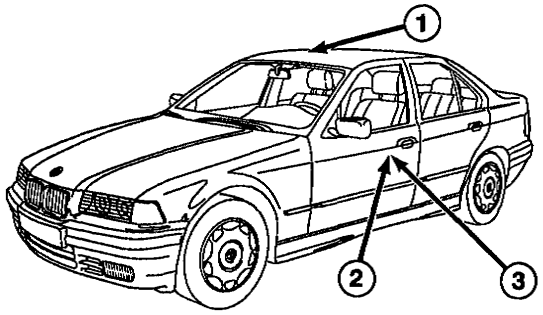
M99 *
RIGHT REAR
WINDOW MOTOR

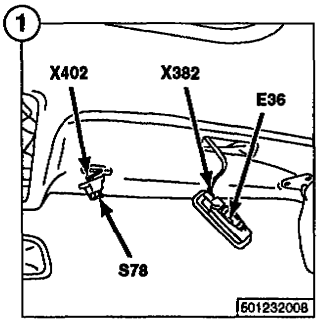
X13256
X13257

*RH similar

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COMPONENT LOCATION VIEWS

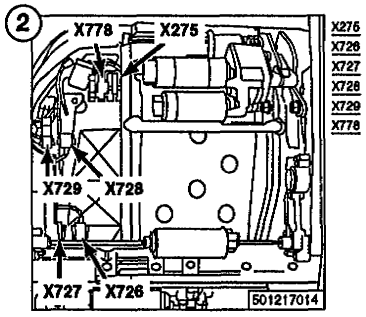


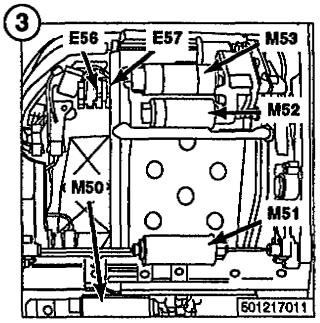


E36
PASSENGER'S MAKEUP MIRROR LIGHT

S78
PASSENGER'S MAKEUP MIRROR SWITCH

X382
X402





E56
DRIVER'S SEATBACK HEATER

E57
DRIVER'S SEAT HEATER

M50
DRIVER'S SEAT CUSHION TILT MOTOR

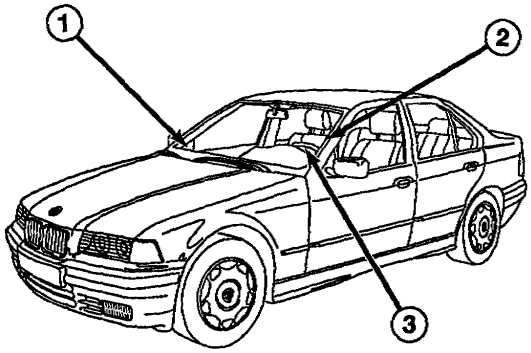
M51
DRIVER'S SEAT MOVEMENT MOTOR

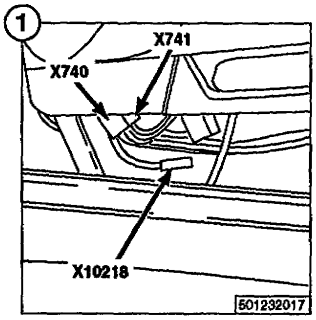
M52
DRIVER'S SEAT HEIGHT MOTOR

M53
DRIVER'S SEATBACK RECLINER MOTOR

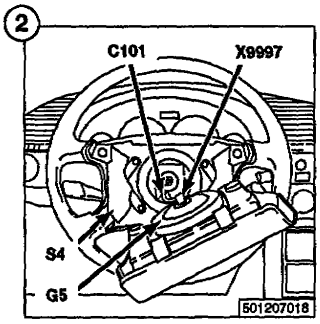
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COMPONENT LOCATION VIEWS





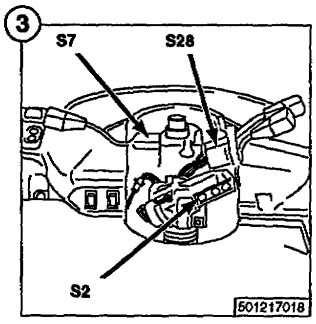
X740
X741
X10218



C101 CONTACT RING X9997

G5 DRIVER S AIR BAG GENERATOR

S4 HORN SWITCH



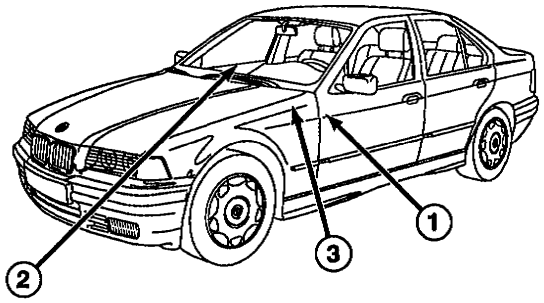
S2 IGNITION SWITCH

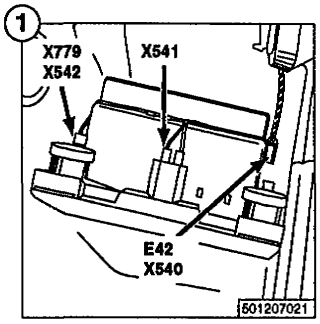
S7 COMBINATION SWITCH

S28 CRUISE CONTROL SWITCH

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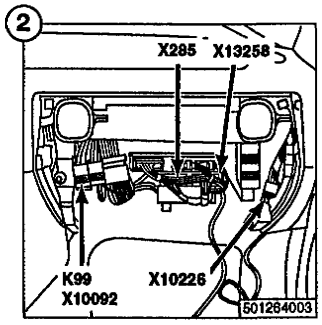
COMPONENT LOCATION VIEWS





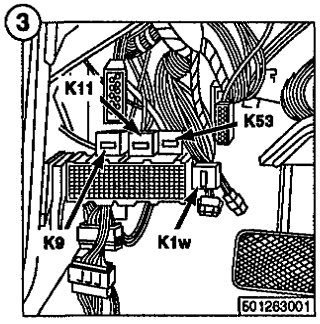
E42
GLOVE BOX
LIGHT

X540
X541
X542
X779



K99
REAR WINDOW
BLOWER RELAY

X285
X10092
X10226
X13258



K1w
STARTER
IMMOBILIZATION
RELAY

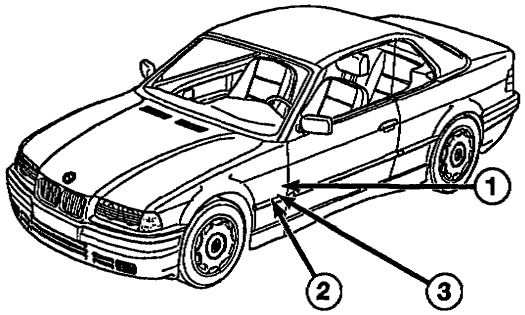
K53
WIPER MOTOR
RELAY

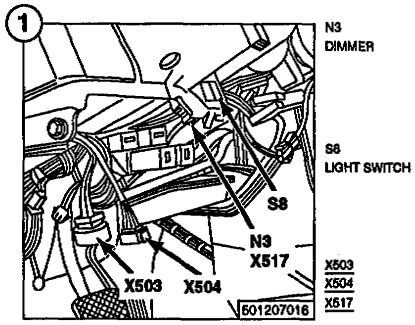
K9
UNLOADER
RELAY,
TERMINAL 15

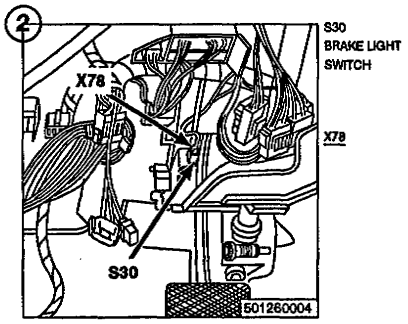
K11
WIPER RELAY

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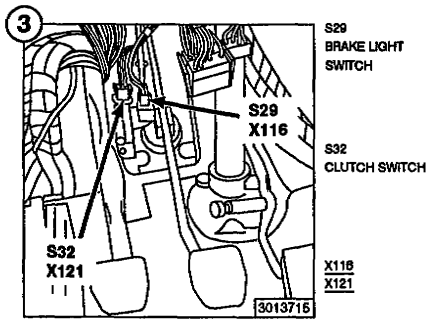
COMPONENT LOCATION VIEWS







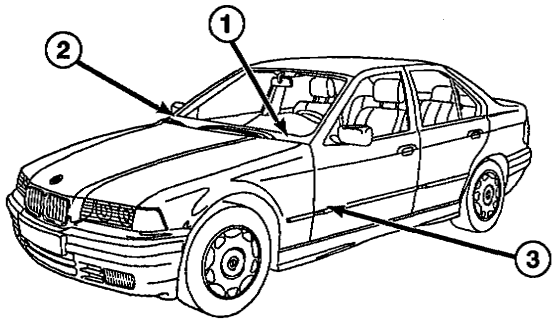
AUTOMATIC

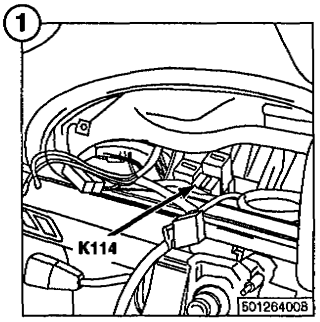


MANUAL

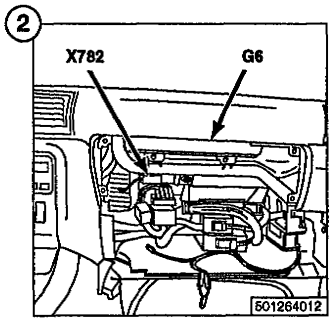
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COMPONENT LOCATION VIEWS



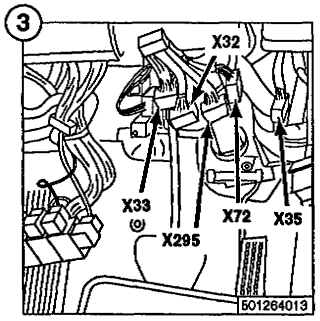


K114
COMFORT RELAY



G6
PASSENGER'S AIR BAG GAS GENERATOR I

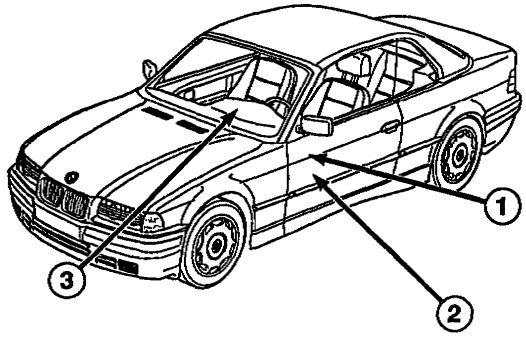
X782

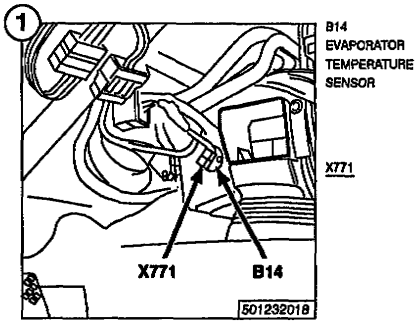


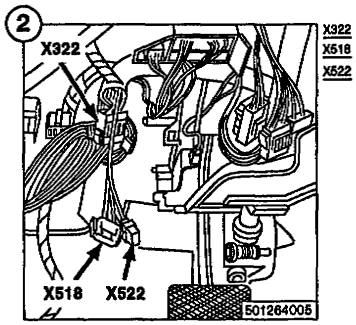
X32
X33
X35
X72
X295

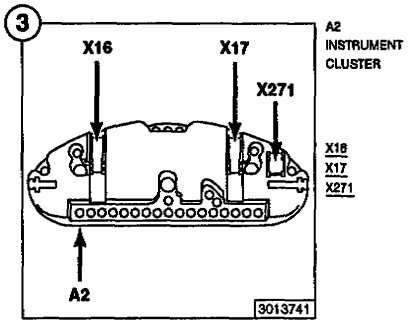
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COMPONENT LOCATION VIEWS



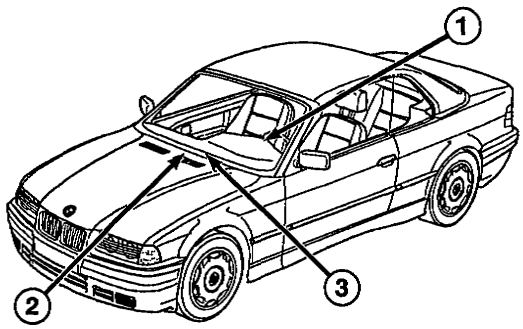


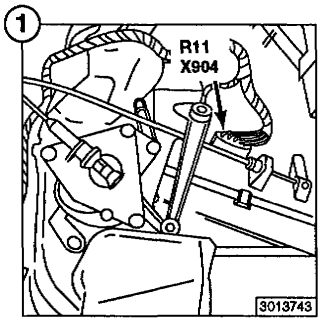




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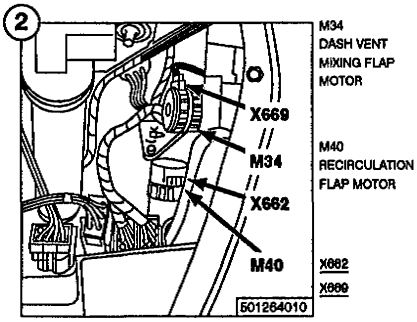
COMPONENT LOCATION VIEWS





R11
BLOWER
RESISTORS

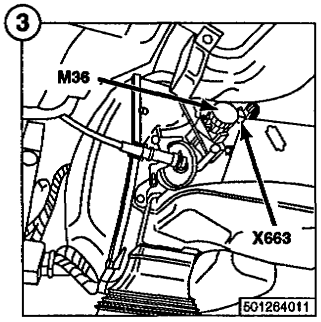
X904



M34
DASH VENT
MIXING FLAP
MOTOR

M40
RECIRCULATION
FLAP MOTOR

X662
X669

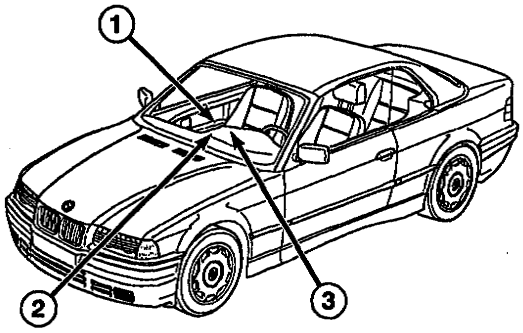


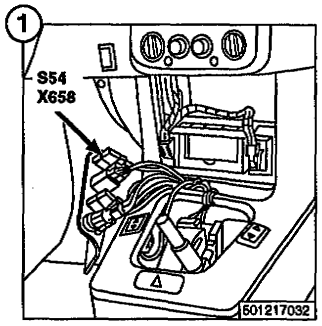
M36
FRESH AIR
FLAP MOTOR

X663

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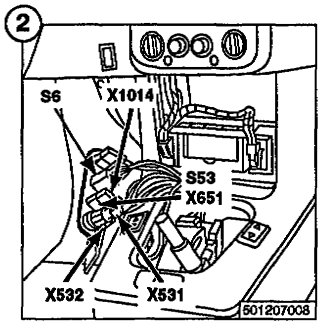
COMPONENT LOCATION VIEWS





S54
PASSENGER'S SEAT, SEAT HEATER SWITCH

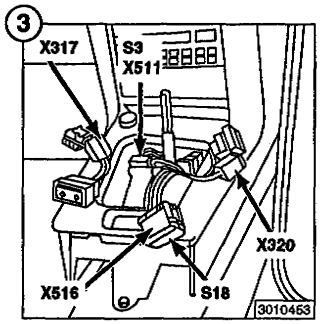
X658



S6
ASC SWITCH

S53
DRIVER'S SEAT, SEAT HEATER SWITCH

X531
X532
X651
X1014



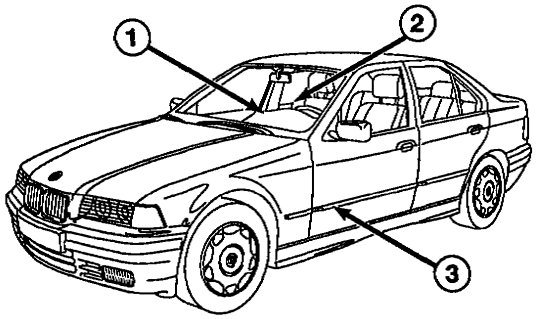
S3
AUTOMATIC TRANSMISSION RANGE SWITCH

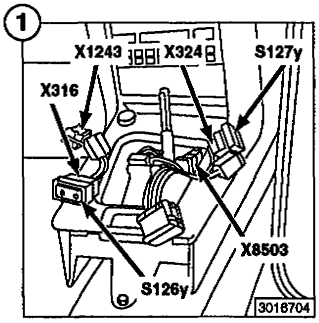
S18
HAZARD SWITCH

X317
X320
X511
X516

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COMPONENT LOCATION VIEWS

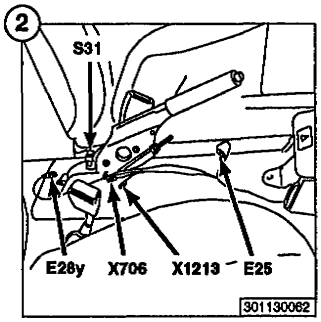




S126y
DRIVER'S
POWER
WINDOW SWITCH

S127y
PASSENGER'S
POWER WINDOW
SWITCH

X316
X324
X1243
X8503

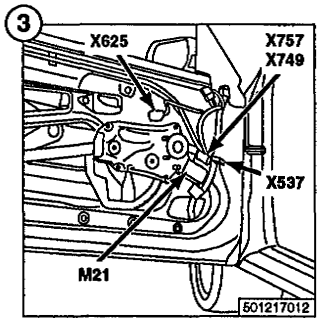


E25
FRONT
ASHTRAY LIGHT

X706
X1213

E28y
REAR
ASHTRAY LIGHT

S31
PARK BRAKE
SWITCH

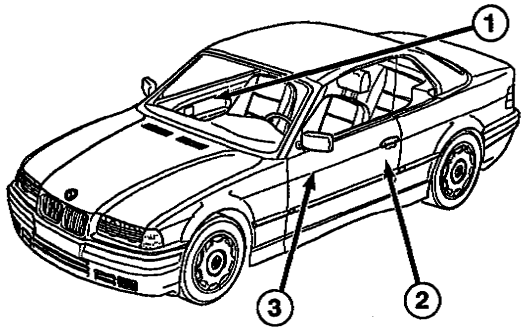


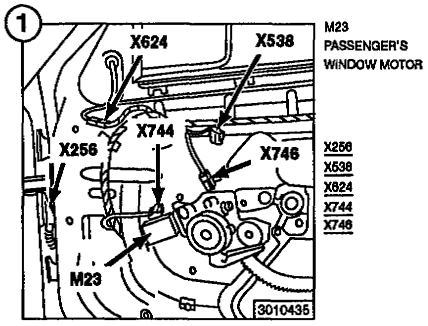
M21
DRIVER'S
WINDOW MOTOR

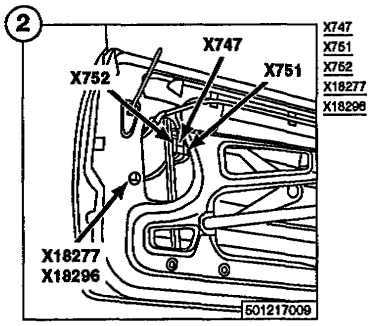
X537
X625
X749
X757

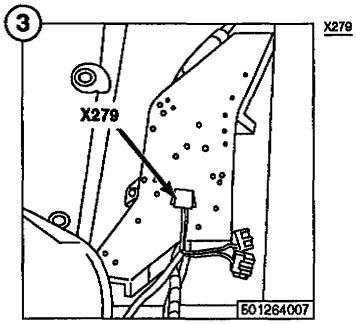
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COMPONENT LOCATION VIEWS



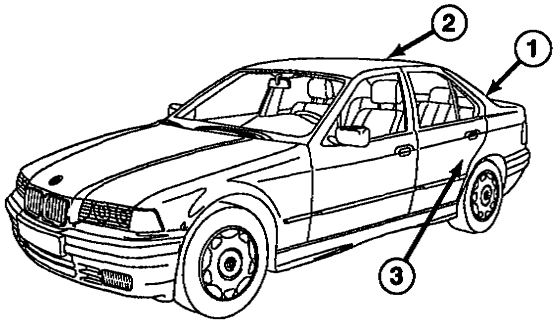


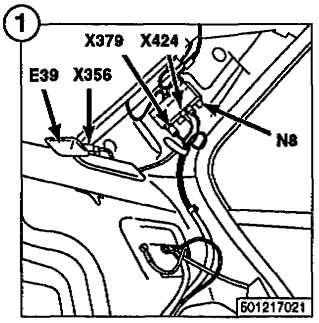




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COMPONENT LOCATION VIEWS

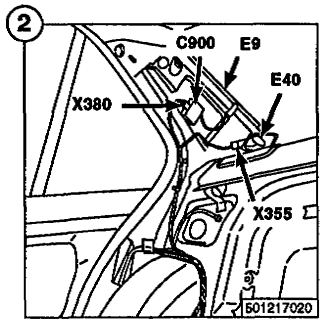




E39
LEFT REAR
INTERIOR LIGHT

N8
ANTENNA
AMPLIFIER
AM/FM

X356
X379
X424

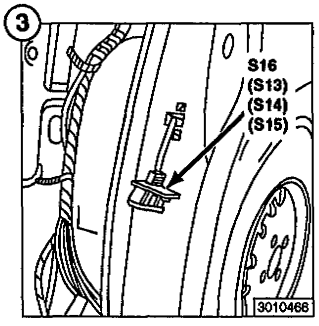


C900
SUPPRESSION
FILTER

X355
X380

E9
REAR
DEFOGGER I

E40
RIGHT REAR
INTERIOR LIGHT



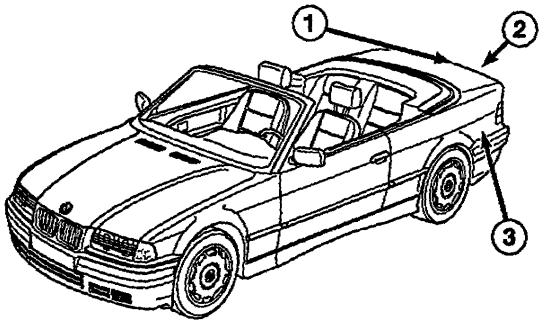
S13
PASSENGER'S
DOOR JAMB
SWITCH

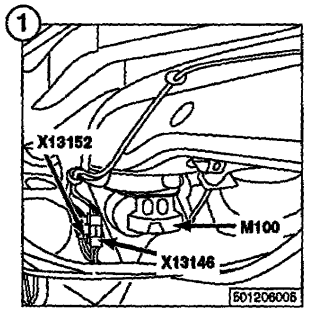
S16
LEFT REAR
DOOR JAMB
SWITCH

S14
DRIVER'S
DOOR JAMB
SWITCH

S15
REAR RIGHT
DOOR JAMB
SWITCH

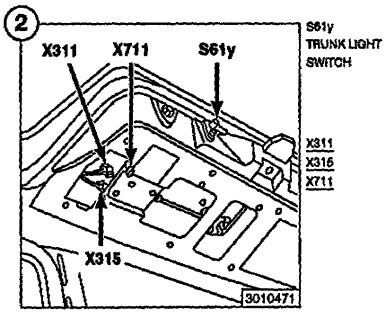
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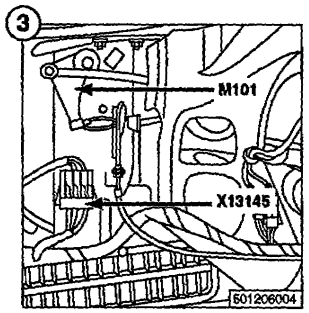
M100
CONVERTIBLE TOP
STORAGE LID
MOTOR

X13146
X13152



S61y
TRUNK LIGHT
SWITCH

X311
X316
X711



M101
CONVERTIBLE
TOP MOTOR

X13145

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SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER
X181–X276	FRONT	8000.0–02
X313–X314	REAR	8000.0–03
X313–X314	REAR, CONVERTIBLE	8000.0–04
X428–X481	REAR	8000.0–03
X428	REAR, CONVERTIBLE	8000.0–04
X441–X456	REAR, CONVERTIBLE	8000.0–04
X460–X462	REAR, CONVERTIBLE	8000.0–04
X465–X481	REAR, CONVERTIBLE	8000.0–04
X530–X595	FRONT	8000.0–02
X805	REAR	8000.0–03
X805	REAR, CONVERTIBLE	8000.0–04
X824–X830	RADIO	NOT SHOWN
X849–X851	DRIVER'S DOOR	NOT SHOWN
X876–X878	RADIO	NOT SHOWN
X906	IHKR	NOT SHOWN
X942	PASSENGER'S DOOR	NOT SHOWN
X1015–X1164	FRONT	8000.0–02
X1167	REAR	8000.0–03
X1168–X1192	FRONT	8000.0–02
X1212–X1218	REAR	8000.0–03
X1212–X1238	REAR, CONVERTIBLE	8000.0–04
X1225–X1233	FRONT	8000.0–02
X1226–X1235	REAR	8000.0–03
X1258	FRONT	8000.0–02
X1299	REAR	8000.0–03
X1382–X1383	RADIO	NOT SHOWN
X1387–X1396	REAR	8000.0–03
X1387–X1396	REAR, CONVERTIBLE	8000.0–04

SPLICE	HARNESS	PAGE NUMBER
X5018–X5035	S50 ENGINE	8000.0–06
X6410	M42/M43 ENGINE	8000.0–05
X6410–X6492	S50 ENGINE	8000.0–06
X6410	M50 ENGINE	8000.0–07
X6411	M50 ENGINE	8000.0–07
X6458–X6492	M42/M43 ENGINE	8000.0–05
X6458–X6461	M50 ENGINE	8000.0–07
X6475	M50 ENGINE	8000.0–07
X6491	M50 ENGINE	8000.0–07
X6492	M50 ENGINE	8000.0–07
X6810–X6866	M42/M43 ENGINE	8000.0–05
X6810–X6866	S50 ENGINE	8000.0–06
X6810	M50 ENGINE	8000.0–07
X6820–6823	M50 ENGINE	8000.0–07
X6830–X6831	M50 ENGINE	8000.0–07
X6835–X6836	M50 ENGINE	8000.0–07
X6863–X6866	M50 ENGINE	8000.0–07
X6900–X6906	M50 ENGINE	8000.0–07
X6900–X6906	S50 ENGINE	8000.0–06
X8004	M50 ENGINE	8000.0–07
X8004	S50 ENGINE	8000.0–06
X8004–X8576	M42/M43 ENGINE	8000.0–05
X8007	M50 ENGINE	8000.0–07
X8010	M50 ENGINE	8000.0–07
X8015	M50 ENGINE	8000.0–07
X8022	M50 ENGINE	8000.0–07
X8025	M50 ENGINE	8000.0–07
X8042	M50 ENGINE	8000.0–07

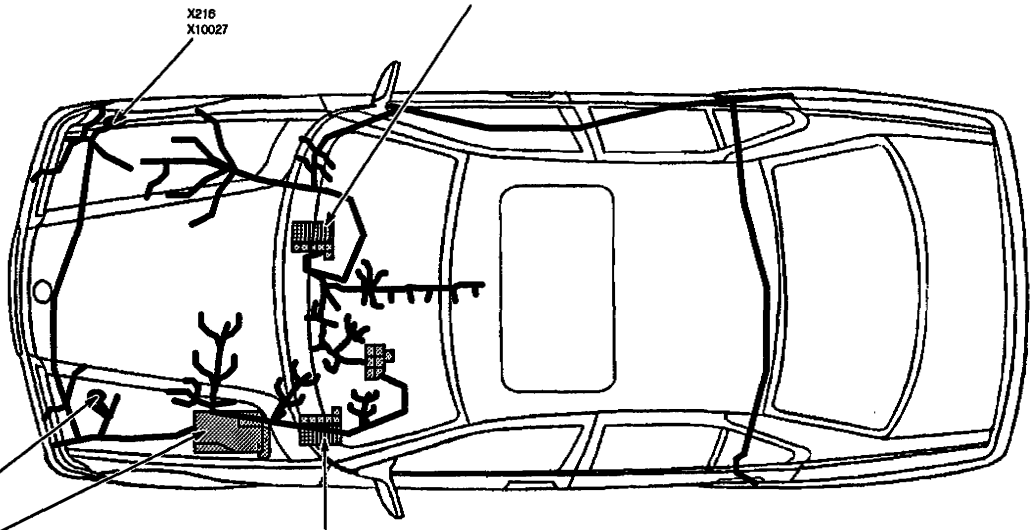
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SPLICE LOCATION VIEWS

SPLICE	HARNESS	PAGE NUMBER
X8051	M50 ENGINE	8000.0–07
X8056	M50 ENGINE	8000.0–07
X8065	M50 ENGINE	8000.0–07
X8071–8074	M50 ENGINE	8000.0–07
X8084	M50 ENGINE	8000.0–07
X10007–X10100	FRONT	8000.0–02
X10118	REAR, CONVERTIBLE	8000.0–04
X10251–10252	FRONT	8000.0–02
X10120–X10192	FRONT	8000.0–02
X10189–X10229	REAR, CONVERTIBLE	8000.0–04
X13002–X13011	REAR	8000.0–03
X13002–X13011	REAR, CONVERTIBLE	8000.0–04
X13021–X13115	FRONT	8000.0–02
X13007–X13273	REAR, CONVERTIBLE	8000.0–04
X18160–X18161	IHKR	NOT SHOWN
X18165	FRONT	8000.0–02
X18251	DRIVER'S DOOR	NOT SHOWN
X18252	PASSENGER'S DOOR	NOT SHOWN
X18253	DRIVER'S DOOR	NOT SHOWN
X18254–X18284	PASSENGER'S DOOR	NOT SHOWN
X18783–X18784	FRONT	8000.0–02
X18785–X18799	REAR, CONVERTIBLE	8000.0–04
X19513–X19514	RADIO	NOT SHOWN
X69008–X69009	S50 ENGINE	8000.0–06

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SPLICE LOCATION VIEWS
FRONT HARNESS



SPLICE PANEL					
X195 ●	X1149 ●				
X218 ●	X10009 ●				
X222 ●	X10064 ●				
X557 ●	X13115 ●				

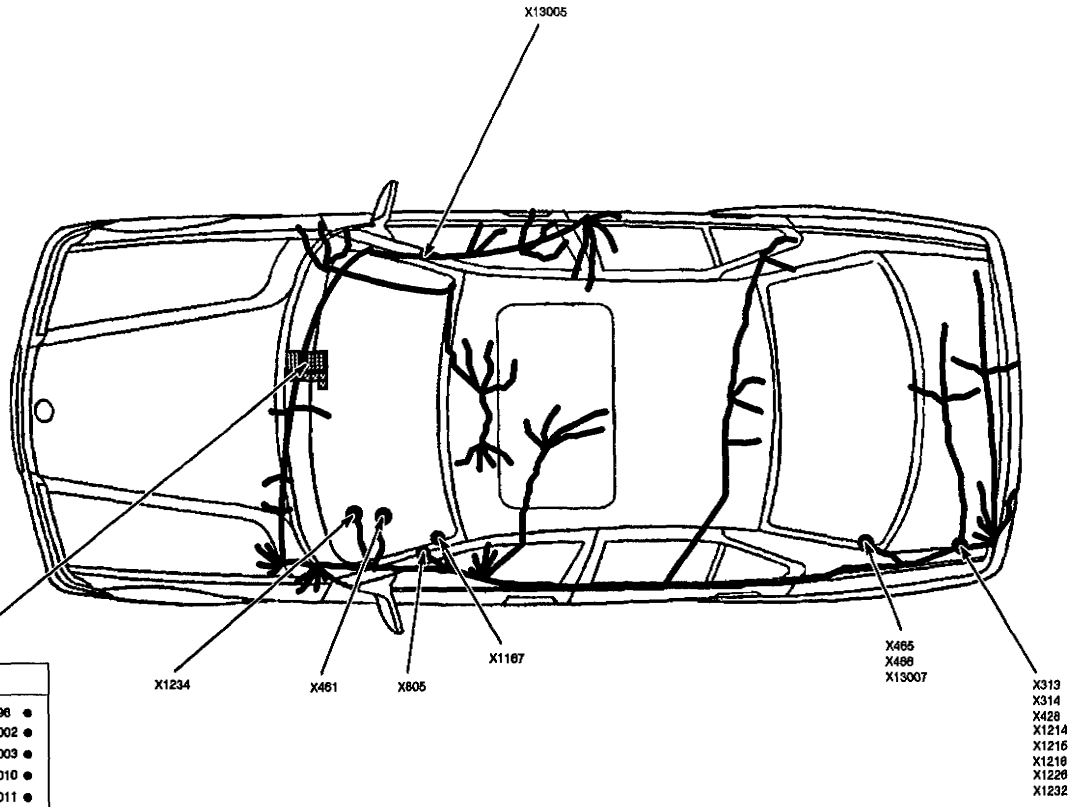
SPLICE PANEL						
X164 ●	X245 ●	X1027 ●	X1077 ●	X1177 ●	X10022 ●	
X165 ●	X246 ●	X1028 ●	X1152 ●	X1186 ●	X10055 ●	
X166 ●	X276 ●	X1038 ●	X1159 ●	X1192 ●	X10100 ●	
X167 ●	X530 ●	X1055 ●	X1163 ●	X1233 ●	X18783 ●	
X203 ●	X595 ●	X1068 ●	X1164 ●	X10007 ●	X18784 ●	
X223 ●	X1015 ●	X1073 ●	X1168 ●	X10020 ●		
X238 ●	X1022 ●	X1076 ●	X1172 ●	X10021 ●		

SPLICE PANEL						
X181 ●	X213 ●	X1067 ●	X1179 ●	X10028 ●	X10120 ●	X11264 ●
X182 ●	X228 ●	X1069 ●	X1182 ●	X10029 ●	X10123 ●	X13021 ●
X183 ●	X1019 ●	X1079 ●	X1225 ●	X10060 ●	X10191 ●	X18165 ●
X188 ●	X1029 ●	X1080 ●	X1258 ●	X10061 ●	X10192 ●	
X191 ●	X1047 ●	X1085 ●	X10008 ●	X10090 ●	X10231 ●	
X196 ●	X1065 ●	X1159 ●	X10011 ●	X10103 ●	X10251 ●	
X197 ●	X1066 ●	X1169 ●	X10024 ●	X10104 ●	X10252 ●	

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SPLICE LOCATION VIEWS

REAR HARNESS

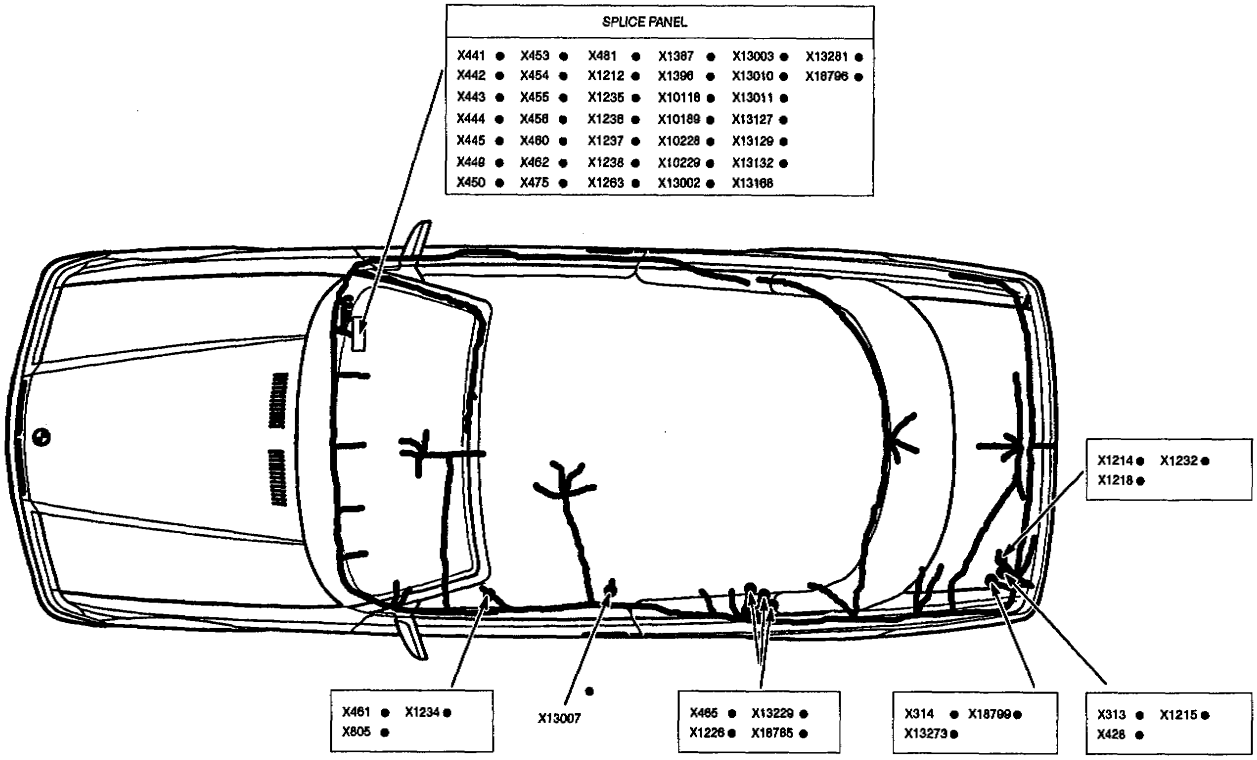


SPLICE PANEL		
X441 ●	X462 ●	X1396 ●
X442 ●	X475 ●	X13002 ●
X443 ●	X481 ●	X13003 ●
X444 ●	X1212 ●	X13010 ●
X445 ●	X1235 ●	X13011 ●
X449 ●	X1299 ●	
X450 ●	X1387 ●	

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SPLICE LOCATION VIEWS

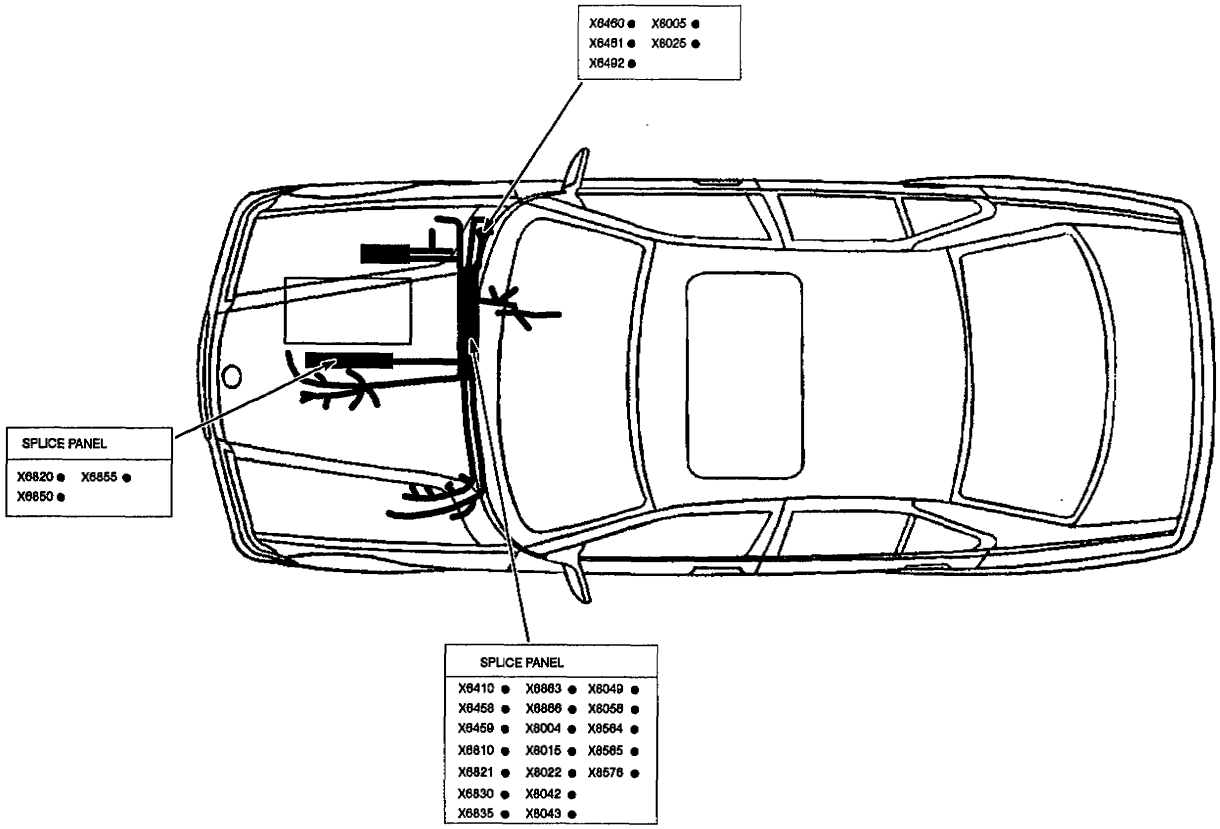
REAR WIRING HARNESS - CONVERTIBLE



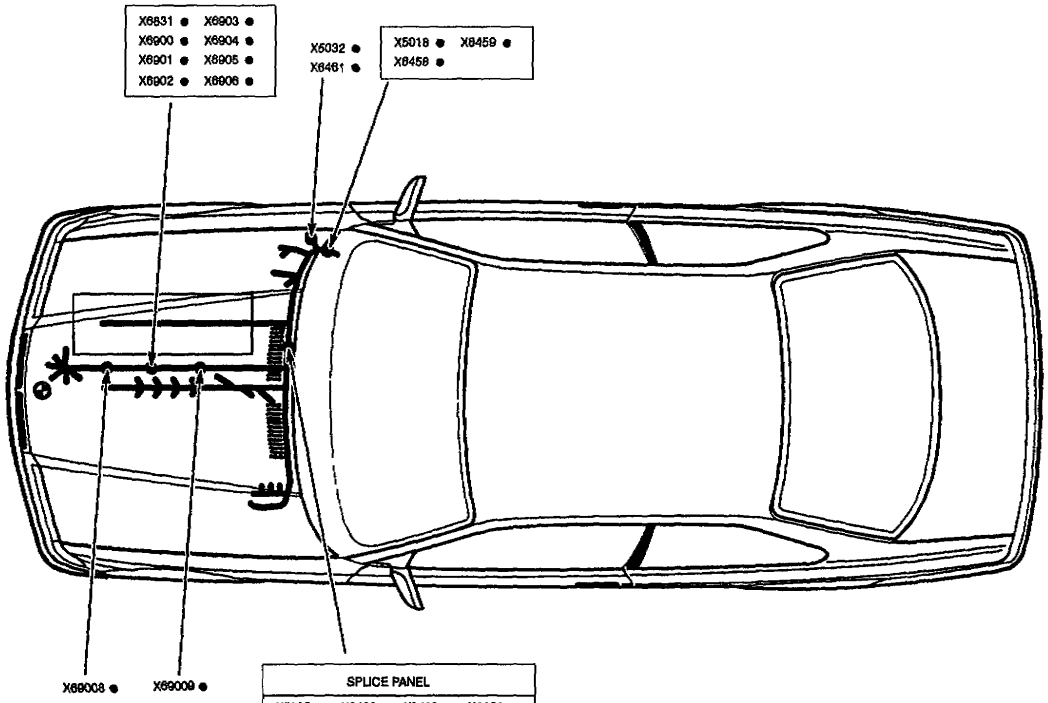
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SPLICE LOCATION VIEWS

ENGINE HARNESS M42/M43



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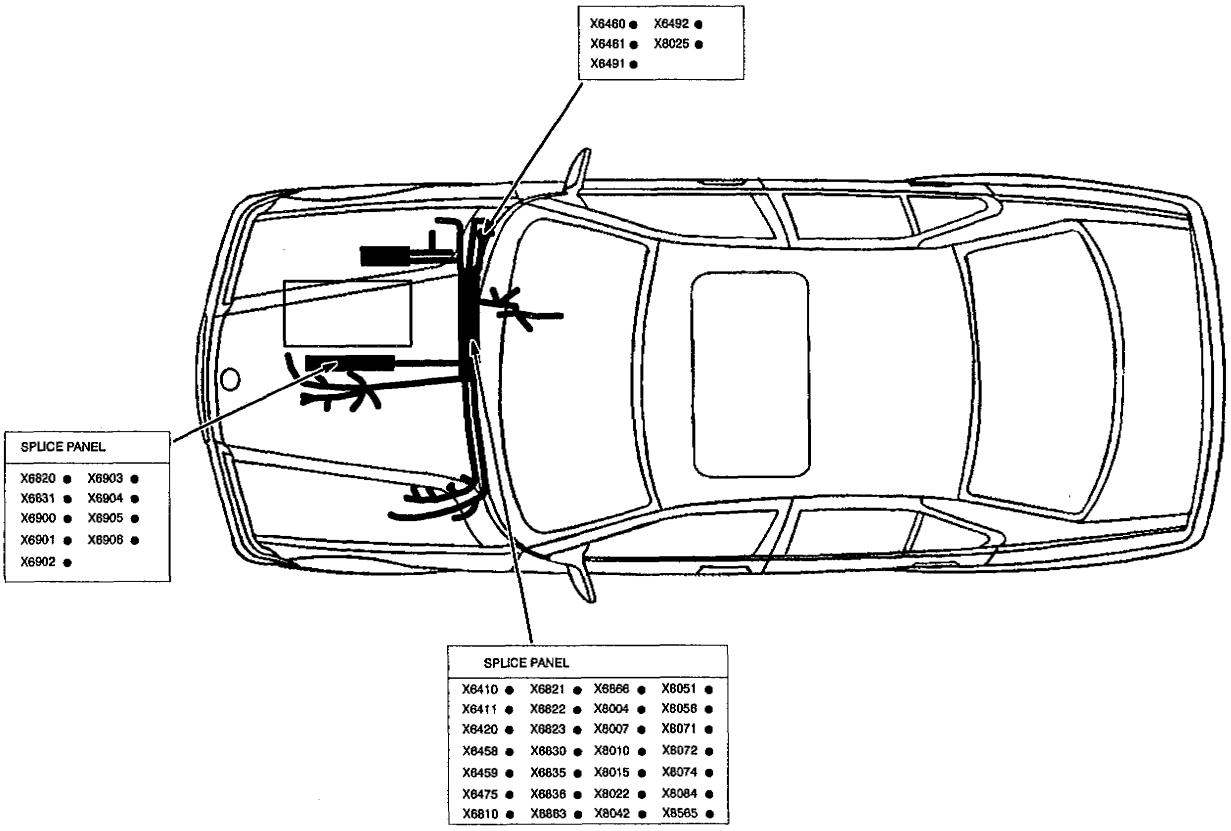


SPLICE PANEL			
X5035	X6482	X6490	X6822
X6410	X6484	X6491	X6835
X6411	X6485	X6492	X6863
X6413	X6486	X6810	X6866
X6483	X6487	X6811	X8004
X6475	X6488	X6820	
X6480	X6489	X6821	

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SPLICE LOCATION VIEWS

M50 ENGINE HARNESS



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FIG. 1

B550001.03

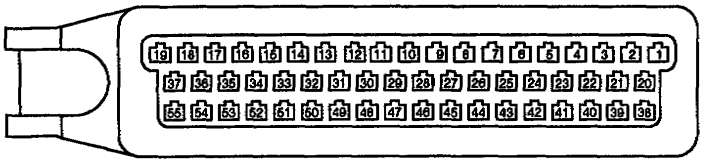


FIG. 2

B260005.00

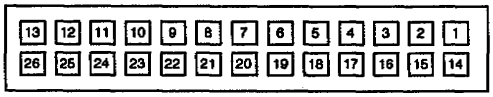


FIG. 3

B150003.00

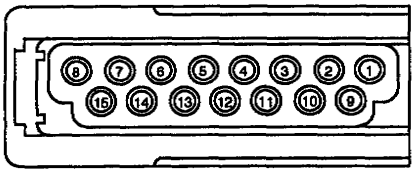
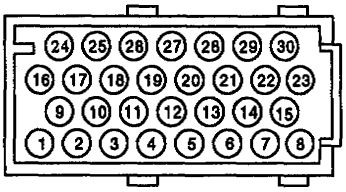


FIG. 4

B300001.00



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CONNECTOR VIEWS

FIG. 1

B030024

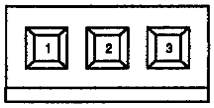


FIG. 2

B120003.00

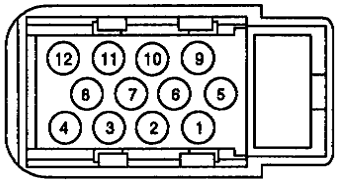


FIG. 3

B120001.00

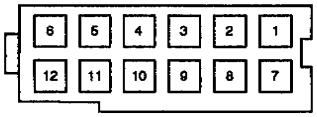


FIG. 4

B080002.00

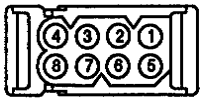


FIG. 5

B180000.00

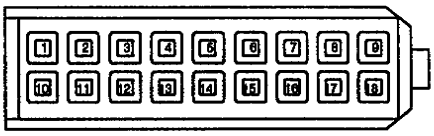


FIG. 6

B120015



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CONNECTOR VIEWS

FIG. 1

B030001.00

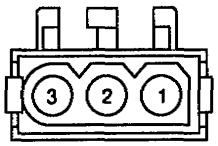


FIG. 2

B070007.00

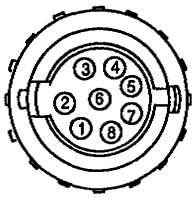


FIG. 3

B170001.00

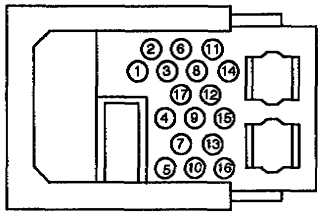


FIG. 4

B100008.00

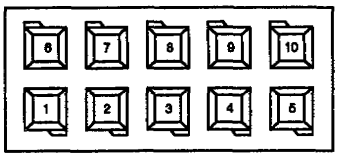


FIG. 5

B030005.00

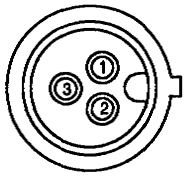
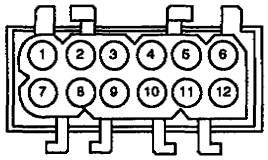


FIG. 6

B120004.01



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CONNECTOR VIEWS

FIG. 1

B040002.00

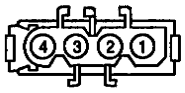


FIG. 2

B050003.00

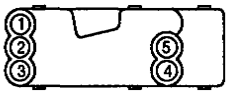


FIG. 3

B040004.00



FIG. 4

B040018

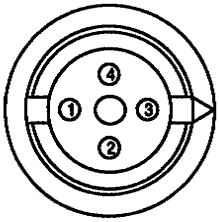


FIG. 5

B080001.00

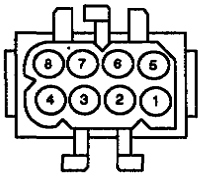
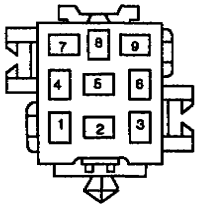


FIG. 6

B090002.00



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CONNECTOR VIEWS

FIG. 1

B210002.00

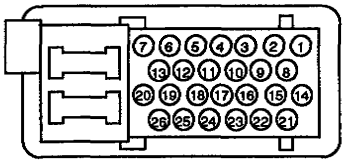


FIG. 2

B060001.02



FIG. 3

B070005.00

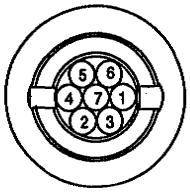


FIG. 4

B200003.00

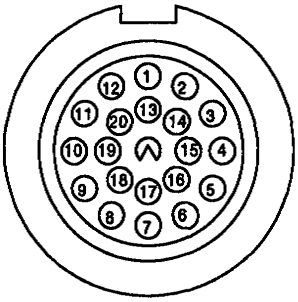


FIG. 5

B060010.01

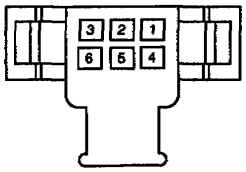


FIG. 6

B030003.02



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CONNECTOR VIEWS

FIG. 1

B060008.00

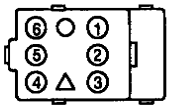


FIG. 2

B250001.01

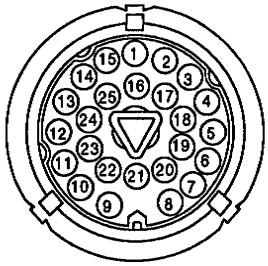


FIG. 3

B060019.02

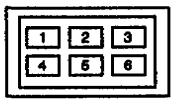
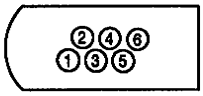


FIG. 4

B060037.00



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FIG. 1

B880001.00

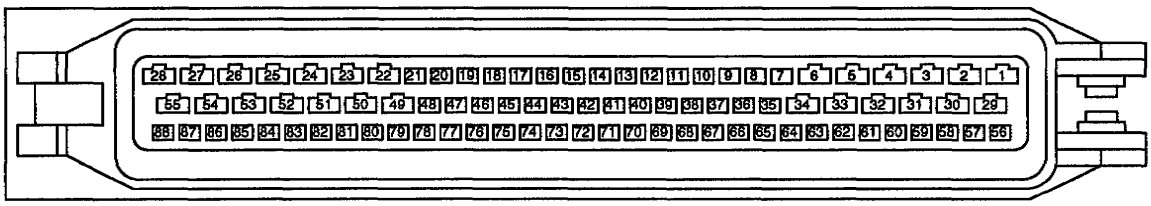


FIG. 2

B060038.00

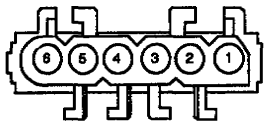
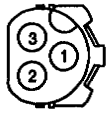


FIG. 3

B030006.00



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CONNECTOR VIEWS

FIG. 1

B060012.00

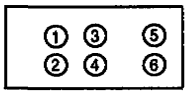


FIG. 2

B040023.01

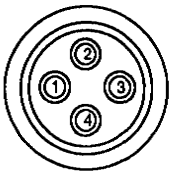


FIG. 3

B030018.00

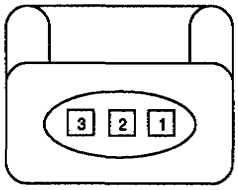


FIG. 4

B030015.08

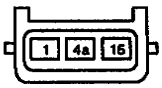


FIG. 5

B030023.00

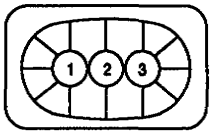
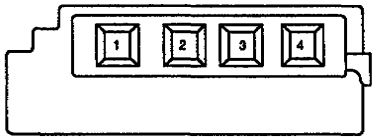


FIG. 6

B040020.00



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CONNECTOR VIEWS

FIG. 1

B030025.00

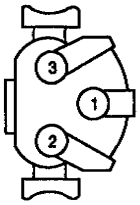


FIG. 2

B060037.01

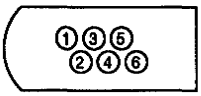


FIG. 3

B030001.00

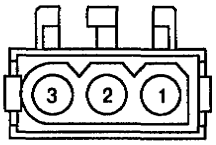


FIG. 4

B060001.00



FIG. 5

B120004.05

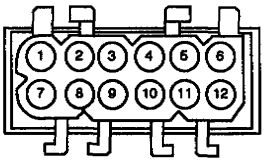
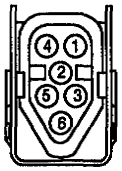


FIG. 6

B060009.00



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CONNECTOR VIEWS

FIG. 1

B100004.01

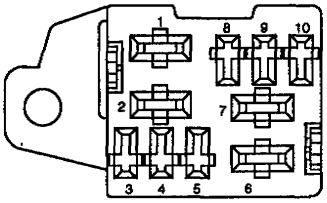


FIG. 2

B180002.00

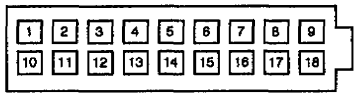


FIG. 3

B060042

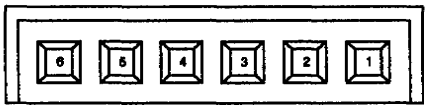
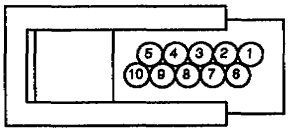


FIG. 4

B100007.00



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CONNECTOR VIEWS

FIG. 1

B040021

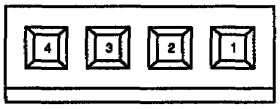


FIG. 2

B260002.04

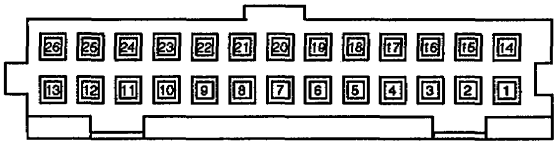


FIG. 3

B040003.00

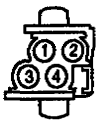


FIG. 4

B130002.00

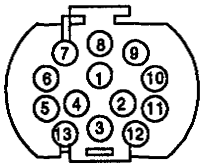
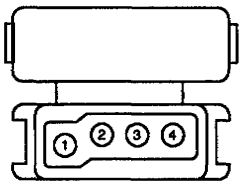


FIG. 5

B040013



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CONNECTOR VIEWS

FIG. 1

B040022.00

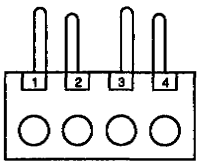


FIG. 2

B030009.00

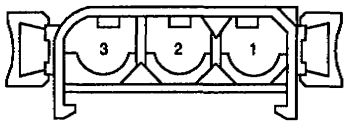


FIG. 3

B120002.02

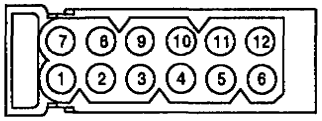


FIG. 4

B160001.00

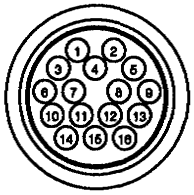


FIG. 5

B100011.01

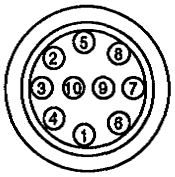
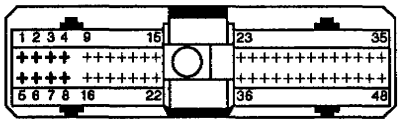


FIG. 6

B480000.00



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CONNECTOR VIEWS

FIG. 1

B050006.00

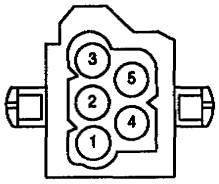


FIG. 2

B300003.00

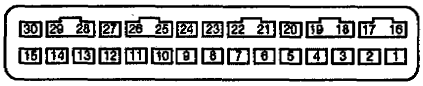


FIG. 3

B040027.00

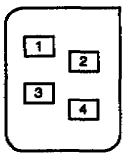
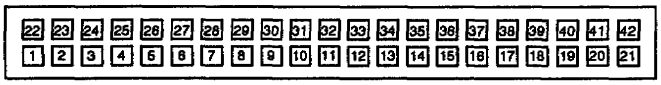


FIG. 4

B420000.00



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CONNECTOR VIEWS

FIG. 1

B030042.01

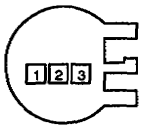


FIG. 2

B030018.01

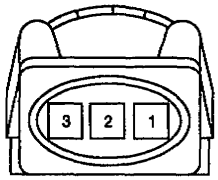


FIG. 3

B090008.00



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