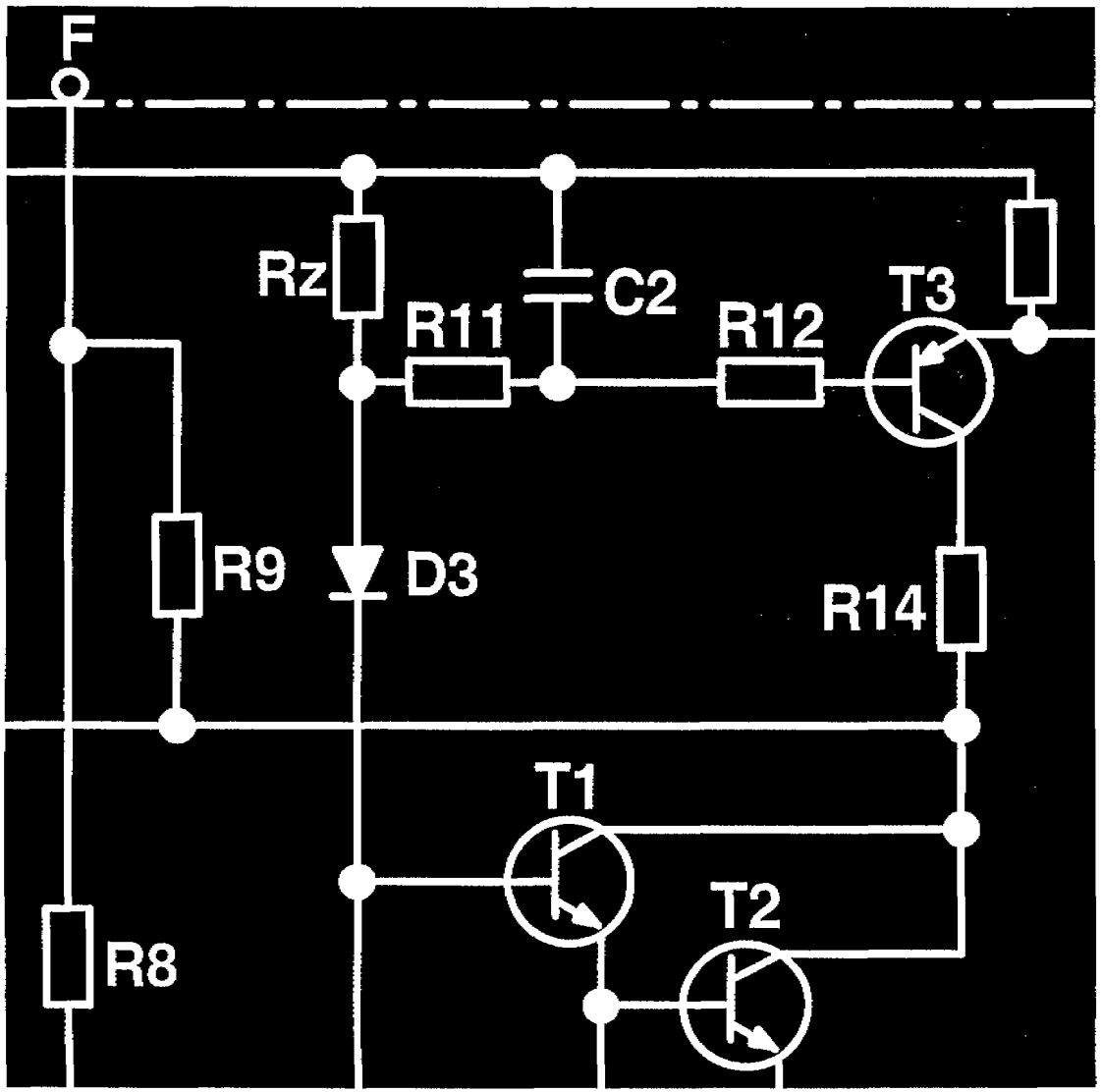


1994
BMW
525i, 525it, 530i, 530it, 540i (E34)
Electrical Troubleshooting Manual

540i Produced 2/93 to 6/94
525i, 525it, 530i, 530it Produced 9/93 to 6/94

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POWER DISTRIBUTION CHART 0670.0-00
POWER MIRRORS 5116.0-00
POWER SEATS 5200.0-00
PRESSURE SENSOR/PLUNGER, Y16 ..... 3450.2-05
PRESSURE SWITCH, B9508 ..... 6450.5-05
PRESSURE SWITCH, B9508 ..... 6454.0-00
PRESSURE SWITCH, B8y 6450.5-05
PRESSURE SWITCH, B8y 6454.0-00
PRESSURE SWITCH, B9y 6454.0-00
PROGRAM SWITCH, S8503 ..... 2460.2-02
PROGRAM SWITCH, S8503 ..... 2460.7-02
PROGRAM SWITCH, S8503 ..... 2460.8-02
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QUARTER WINDOW SWITCH (DWA), RIGHT REAR, R22 ..... 6575.3-06
RADIO, N9 ..... 6510.1-00
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RADIO/HIFI 6510.1-00
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REAR DEFOGGER I, E9 ..... 6424.0-00
REAR DEFOGGER RELAY, K13 ..... 6424.0-00
REAR POWER DISTRIBUTION BOX, P91 ..... 0670.2-07
REAR RIGHT DOOR JAMB SWITCH, S15 ..... 6330.0-00
REAR SEAT SWITCH (DWA), S24 ..... 6575.3-03
REAR WINDOW DEFOGGER 6424.0-00
REAR WINDOW LIMIT SWITCH, S170 ..... 5126.0-08
REAR WINDOW MOTOR, M96 ..... 5126.0-08
REAR WINDOW OPENING SWITCH, S147 ..... 6162.0-01
REAR WINDOW WASHER PUMP, M95 ..... 6162.0-01
REAR WINDOW WIPER MOTOR, M94 ..... 6162.0-01
REAR WINDOW WIPER/WASHER CONTROL 6162.0-00
REAR WIPER/WASHER FLUID LEVEL SWITCH, S176 ..... 6200.0-11
REAR WIPER/WASHER INTERVAL CONTROL MODULE, A36 ... 6162.0-00
RECIRCULATION FLAP MOTOR, M40 ..... 6450.5-04
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REMOTE CONTROLLED LOCKING SYSTEM 6610.1-00
REMOTE LOCKING RECEIVER, N13y 6610.1-00
REVERSING LIGHT SWITCH, S8524 ..... 6322.0-00
SEATBACK HEATER, DRIVER'S, E56 ..... 5203.0-00
SEATBACK HEATER, PASSENGER'S, E59 ..... 5203.0-00
SEATBACK POTENTIOMETER, R7 ..... 5200.1-03
SEATBACK RECLINER MOTOR, DRIVER'S, M53 ..... 5200.1-03
SEATBACK RECLINER MOTOR, DRIVER'S, M53 ..... 5200.0-00
SEATBACK RECLINER MOTOR, PASSENGER'S, M58 ..... 5200.0-03
SEAT BELT SWITCH, DRIVER'S, S58 ..... 3234.0-01
SEAT BELT SWITCH, PASSENGER'S, S59 ..... 3234.0-01
SEAT CONTROL SWITCH, DRIVER'S SEAT, S51 ..... 5200.0-00
SEAT CONTROL SWITCH, PASSENGER'S SEAT, S56 ..... 5200.0-02
SEAT CUSHION MOVEMENT POTENTIOMETER, R9 ..... 5200.1-02
SEAT CUSHION REAR HEIGHT POTENTIOMETER, R8 ..... 5200.1-02
SEAT CUSHION TILT MOTOR, DRIVER'S, M50 ..... 5200.0-02
SEAT CUSHION TILT MOTOR, PASSENGER'S, M61 ..... 5200.0-02
SEAT HEADREST MOTOR, PASSENGER'S, M57 ..... 5200.0-03
SEAT HEATER, DRIVER'S, E57 ..... 5203.0-00
SEAT HEATER, PASSENGER'S, E58 ..... 5203.0-00

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SEAT HEATER SWITCH, DRIVER'S SEAT, S53 ..... 5203.0-00
SEAT HEATER SWITCH, PASSENGER'S SEAT, S54 ..... 5203.0-00
SEAT HEIGHT MOTOR, PASSENGER'S, M59 ..... 5200.0-03
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SEAT HEIGHT MOTOR, DRIVER'S, M52 ..... 5200.1-03
SEAT HEIGHT POTENTIOMETER, R6 ..... 5200.1-03
SEAT LUMBAR SUPPORT MOTOR, DRIVER'S, M55 ..... 5212.0-00
SEAT LUMBAR SWITCH, DRIVER'S, S52 ..... 5212.0-00
SEAT MOVEMENT MOTOR, DRIVER'S, M51 ..... 5200.0-02
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SEAT/MIRROR MEMORY CONTROL MODULE, A21 ..... 3231.1-00
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SECONDARY AIR PUMP VALVE, B6163 ..... 1210.11-12
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SHIFT LOCK, Y8522 ..... 2460.7-04
SHIFT LOCK, Y8522 ..... 2460.8-04
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SLIP CONTROL (ABS) 3450.0-00
SLIP CONTROL 5 (ASC 5) 3450.5-00
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SLIP CONTROL MODULE (ABS/ASC), A52 ..... 3450.2-00
SLIP CONTROL MODULE (ABS), A7 ..... 3450.0-00
SPEAKER, LEFT FRONT, H41 ..... 6561.1-00
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SPEED SENSOR - ABS, LEFT FRONT, B2 ..... 3450.0-03
SPEED SENSOR - ABS, LEFT FRONT, B2 ..... 3450.2-06
SPEED SENSOR - ABS, LEFT FRONT, B2 ..... 3450.5-06
SPEED SENSOR - ABS, RIGHT FRONT, B1 ..... 3450.0-03
SPEED SENSOR - ABS, RIGHT FRONT, B1 ..... 3450.2-06
SPEED SENSOR - ABS, RIGHT FRONT, B1 ..... 3450.5-06
SPEED SENSOR - ABS, LEFT REAR, B4 ..... 3450.2-06
SPEED SENSOR - ABS, LEFT REAR, B4 ..... 3450.5-06
SPEED SENSOR - ABS, RIGHT REAR, B3 ..... 3450.0-03
SPEED SENSOR - ABS, RIGHT REAR, B3 ..... 3450.2-06
SPEED SENSOR - ABS, RIGHT REAR, B3 ..... 3450.5-06
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START 1240.0-00
STARTER, M6510 ..... 1240.0-01
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STARTER RELAY, K1 ..... 1240.0-01
STEERING COLUMN ADJUST POTENTIOMETER, R18 ..... 3231.1-01
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STEERING COLUMN LENGTH ADJUST MOTOR, M82 ..... 3231.1-01
STEERING COLUMN MEMORY (LSM) 3231.1-00
STEERING COLUMN POSITION SWITCH, S119z 3231.0-00
STEERING COLUMN POSITION SWITCH, S119z 3231.1-00
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SUNROOF POSITION SWITCH, S39 ..... 5410.0-02
SUNROOF SWITCH, S38 ..... 5410.0-02
SUNROOF SWITCH, S38 ..... 5410.2-01
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SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE, A12 3234.0-00
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TELEPHONE INTERFACE US, A192 ..... 6561.0-01
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TEMPERATURE SWITCH, S36 ..... 6454.0-00
THIGH SUPPORT MOTOR, DRIVER'S, M65 ..... 5200.0-04
THIGH SUPPORT MOTOR, PASSENGER'S, M66 ..... 5200.0-04
THIGH SUPPORT POTENTIOMETER, R15 ..... 5200.0-06
THIGH SUPPORT SWITCH, DRIVER'S, S93 ..... 5200.0-04
THIGH SUPPORT SWITCH, PASSENGER'S, S94 ..... 5200.0-04
THROTTLE FLAP HEATER, E104 ..... 3450.5-04
THROTTLE POSITION SENSOR, R6252 ..... 1210.11-06
THROTTLE POSITION SENSOR, R6252 ..... 1210.13-05
TRANSMISSION CONTROL MODULE (AGS), A8600 ..... 2460.7-00

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TRANSMISSION CONTROL MODULE (AGS), A8600 ..... 2460.8-00
TRANSMISSION CONTROL MODULE (EGS), A8500 ..... 2460.2-00
TRANSMISSION CONTROL PROGRAM SELECTION SWITCH (EGS), S8514 ..... 2460.7-03
TRANSMISSION CONTROL PROGRAM SELECTION SWITCH (EGS), S8514 ..... 2460.8-03
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TRANSMISSION VALVE UNIT, Y8505w 2460.7-01
TRANSMISSION VALVE UNIT, Y8505y 2460.8-01
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TRUNK LID SWITCH, S61 ..... 6320.0-01
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UNLOADER RELAY, TERMINAL 61, K61 ..... 1230.0-00
UNLOADER RELAY, TERMINAL R, K3 ..... 0670.2-06
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VALVE RELAY (ABS/ASC), K95 ..... 3450.5-02
VEHICLE SPEED SENSOR, B10 ..... 6200.0-05
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WASHER JET HEATER, RIGHT, E52 ..... 6169.0-00
WASHER PUMP, M4 ..... 6160.0-00
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WATER VALVE ASSEMBLY, Y4 ..... 6450.5-01
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WINDOW LIMIT SWITCH, PASSENGER'S, S44 ..... 5133.0-01
WINDOW LIMIT SWITCH, LEFT REAR, S45 ..... 5133.0-03
WINDOW LIMIT SWITCH, RIGHT REAR, S46 ..... 5133.0-03
WINDOW MONITORING SWITCH (DWA), DRIVER'S, S100 ..... 6575.3-06
WINDOW MONITORING SWITCH (DWA), PASSENGER'S, S99 .. 6575.3-06
WINDOW MONITORING SWITCH (DWA), LEFT REAR, S102 .... 6575.3-06
WINDOW MONITORING SWITCH (DWA), RIGHT REAR, S101 ... 6575.3-06
WINDOW MOTOR, DRIVER'S, M21 ..... 5133.0-04
WINDOW MOTOR, PASSENGER'S, M23 ..... 5133.0-05
WINDOW MOTOR, LEFT REAR, M20 ..... 5133.0-04
WINDOW MOTOR, RIGHT REAR, M22 ..... 5133.0-05
WINDOW MOTOR RELAY, K90 ..... 5126.0-08
WINDOW SWITCH, LEFT REAR, S41 ..... 5133.0-01
WINDSHIELD WASHER JET HEATERS 6169.0-00
WIPER MOTOR, M3 ..... 6160.0-01
WIPER RELAY, K11 ..... 6160.0-00
WIPER/WASHER SWITCH, S5 ..... 6160.0-00
WIPER/WASHER SWITCH, S5 ..... 6162.0-00
WIPER/WASHER SWITCH, S5 ..... 6167.0-01
ZKE CENTRAL LOCKING (ZV) 5126.0-00
ZKE DOOR LOCK HEATING (TSH) 5120.0-00
ZKE HEADLIGHT WASHER (SRA) 6167.0-00
ZKE INTERIOR LIGHTS CONTROL (IB) 6330.0-00
ZKE POWER WINDOWS (FH) 5133.0-00
ZKE SUNROOF (SHD) 5410.0-00
ZKE WIPER/WASHER CONTROL 6160.0-00

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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.

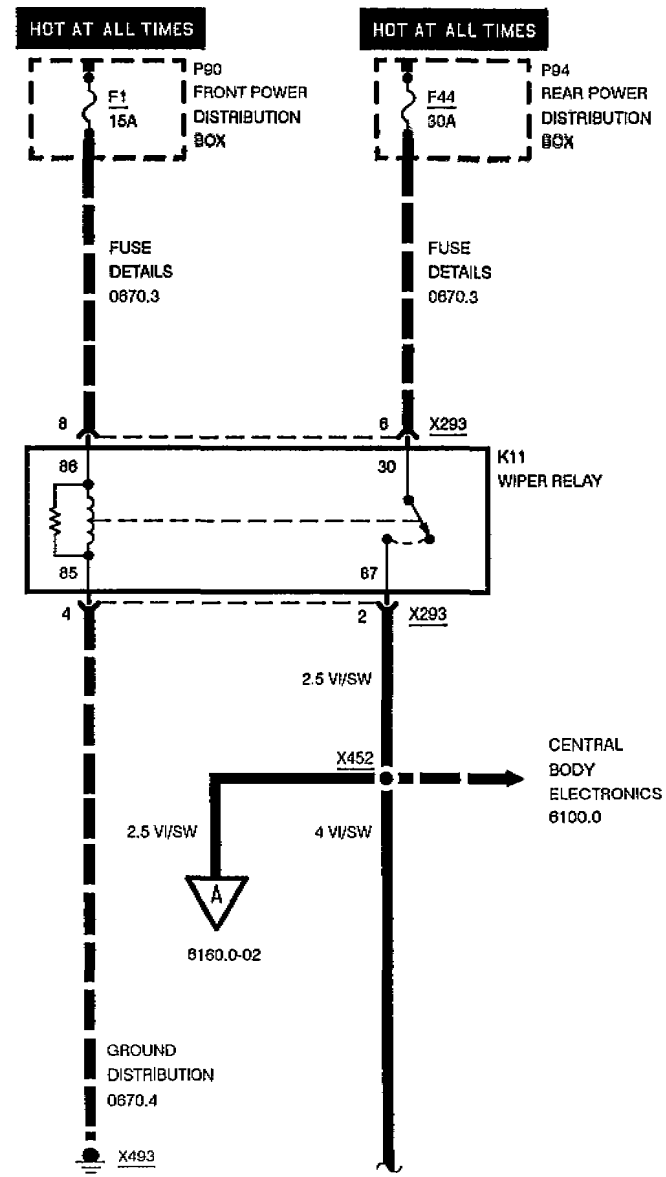
All circuit symbols used are listed and explained in cell **0140.0 Symbols.**

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 **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 module 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


FUSE DETAILS


FUSIBLE LINK


CIRCUIT BREAKER


THERMO SWITCH

SOLENOID


SOLENOID CONTROLLED VALVE OR CLUTCH SOLENOID


HEATING ELEMENT


LOUDSPEAKER OR HORN


LIGHT


PERMANENT MAGNET MOTOR ONE SPEED


PERMANENT MAGNET MOTOR TWO SPEEDS


VARIABLE RESISTANCE SENSOR VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE


VARIABLE RESISTOR RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE

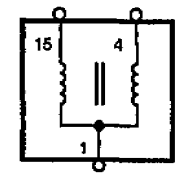


INDUCTIVE SENSOR


DIODE CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW


ZENER DIODE TO REGULATE VOLTAGE


LIGHT EMITTING DIODE



IGNITION COIL


CONTROL/POWER ELECTRONICS


RADIO

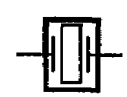


TRANSISTORIZED SWITCH


OXYGEN SENSOR

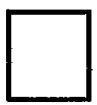


VEHICLE SPEED SENSOR

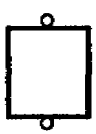

KNOCK SENSOR

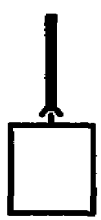
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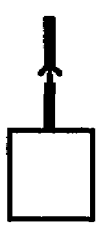
SYMBOLS

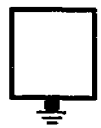

ENTIRE COMPONENT SHOWN

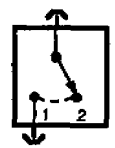

PART OF COMPONENT SHOWN


COMPONENT WITH SCREW TERMINALS

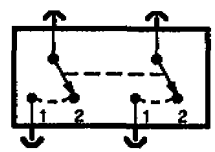

CONNECTOR ATTACHED TO COMPONENT


CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)


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



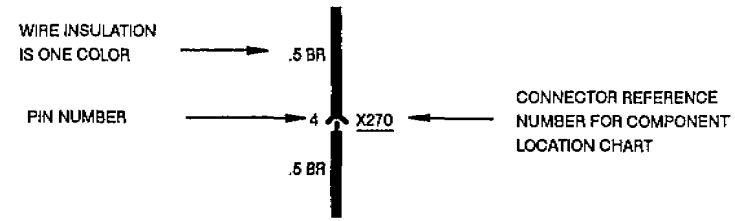
ONE POLE, TWO POSITION SWITCH

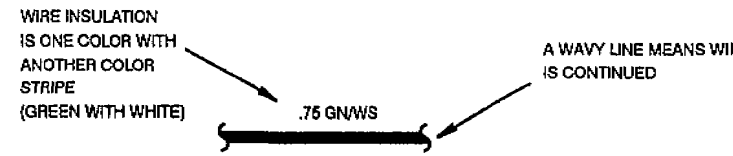


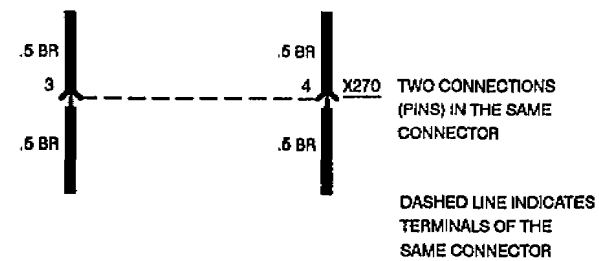
SWITCHES THAT MOVE TOGETHER

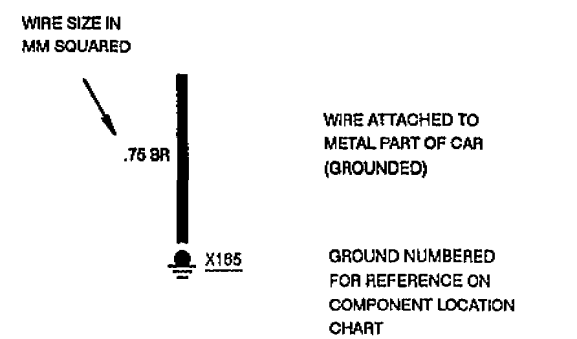
DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

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



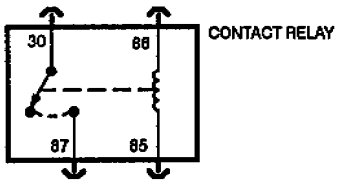




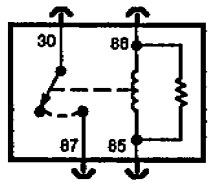


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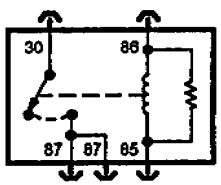
SYMBOLS



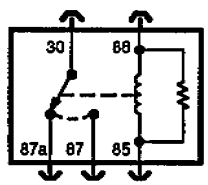
CONTACT RELAY



RELAY WITH RESISTOR ACROSS WINDING

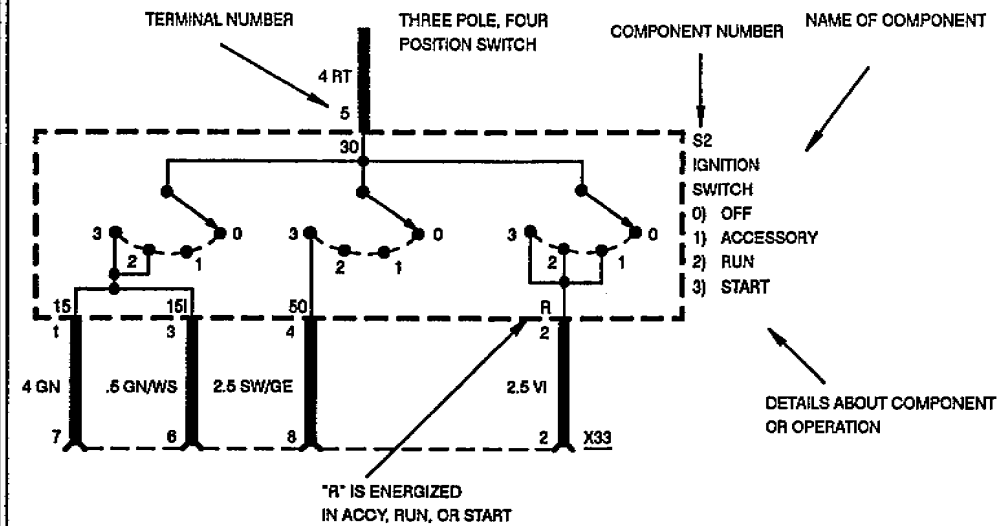


CONTACT RELAY WITH TWO OUTPUTS

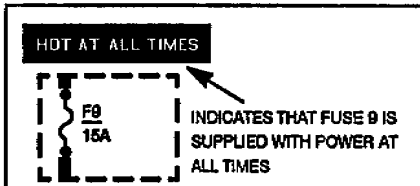


CHANGEOVER RELAY WITH TWO OUTPUTS

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

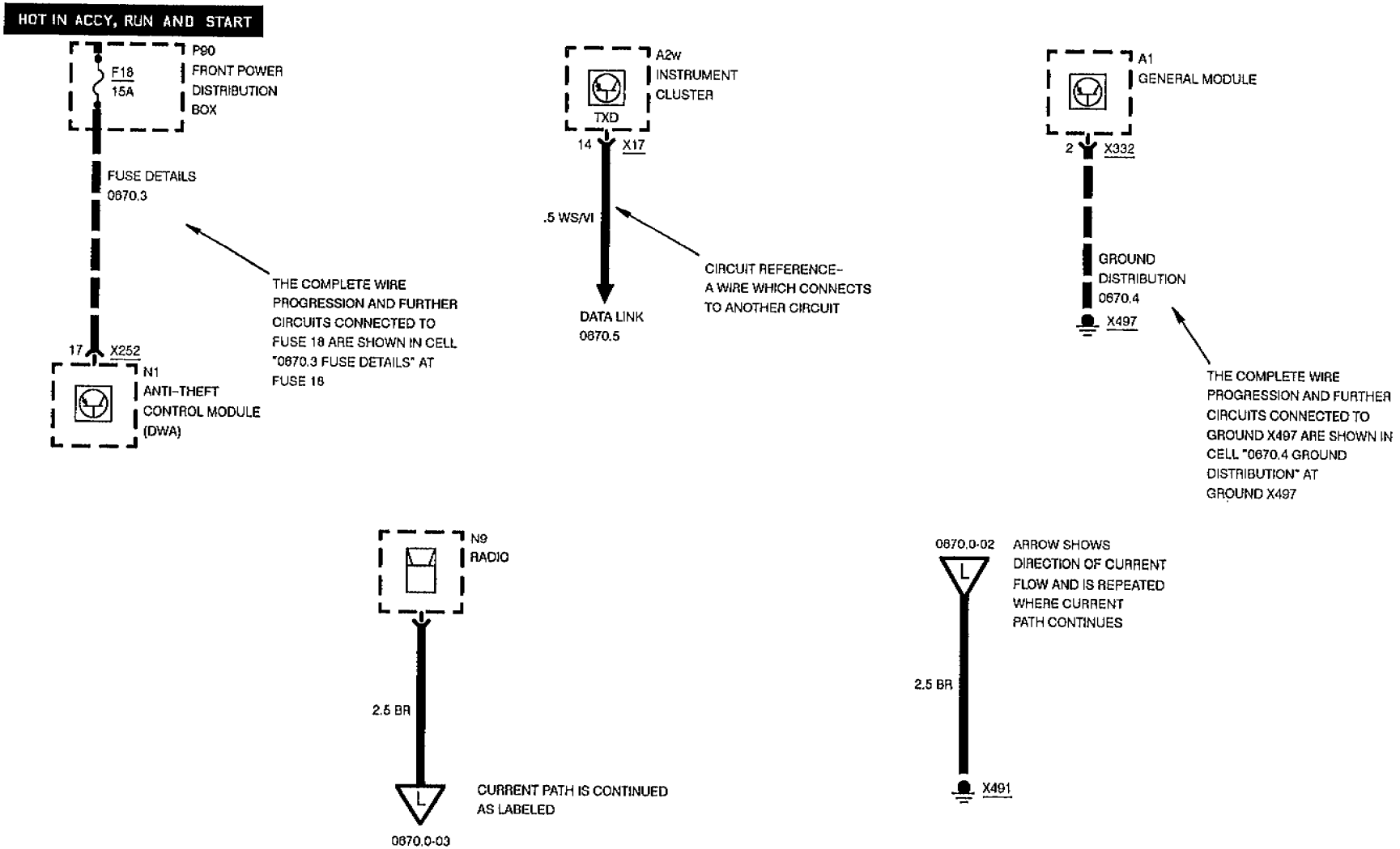


TERMINAL NUMBER	DESCRIPTION	TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START	15I	VOLTAGE: IGNITION SWITCH IN RUN
30	VOLTAGE: SUPPLIED AT ALL TIMES	R	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START
15	VOLTAGE: IGNITION SWITCH IN RUN OR START	31	GROUND

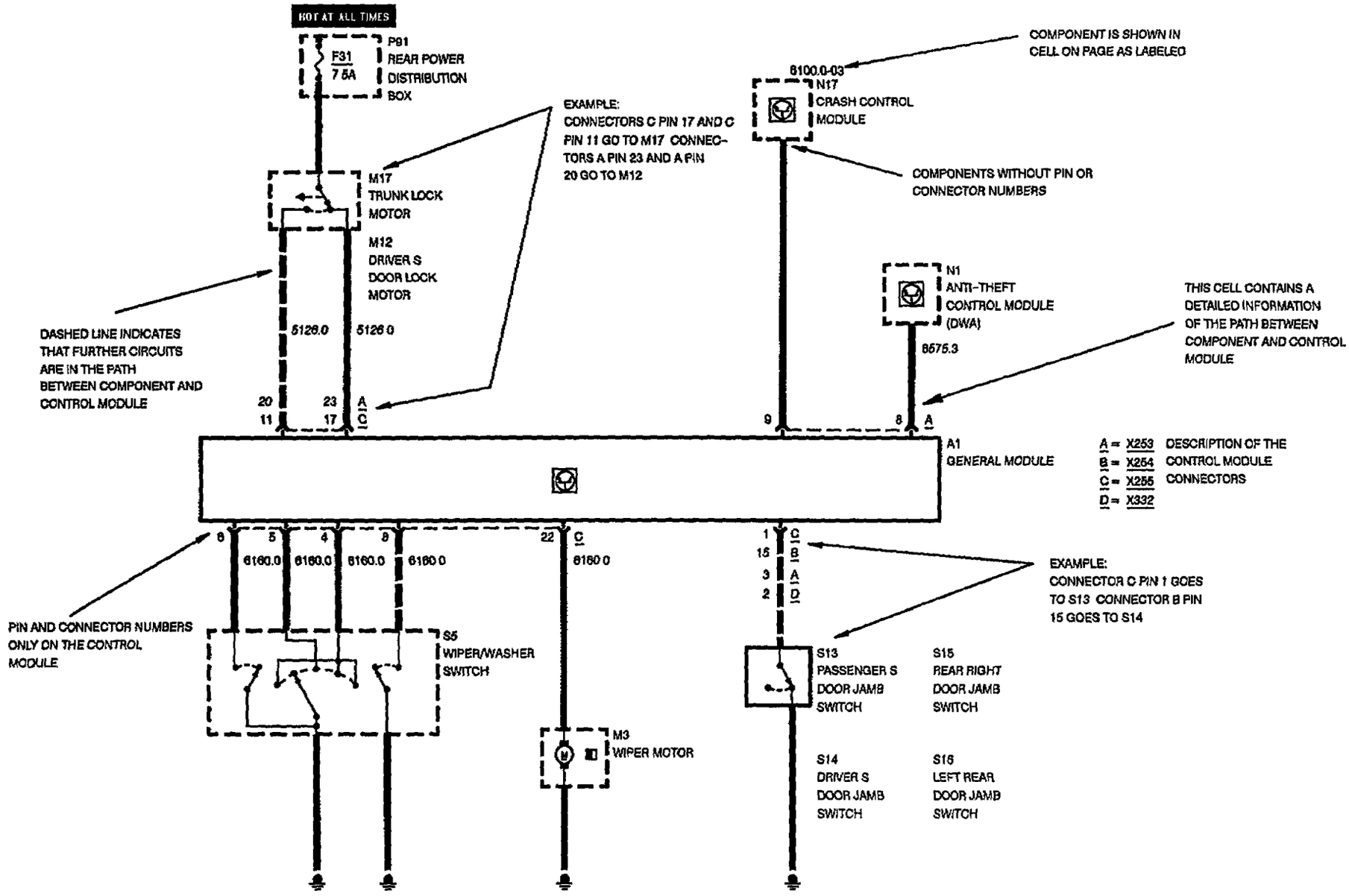


POWER STATUS	DESCRIPTION
HOT AT ALL TIMES	VOLTAGE: SUPPLIED AT ALL TIMES
HOT IN RUN AND START	VOLTAGE: IGNITION SWITCH IN RUN OR START
HOT IN ACCY, RUN AND START	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START

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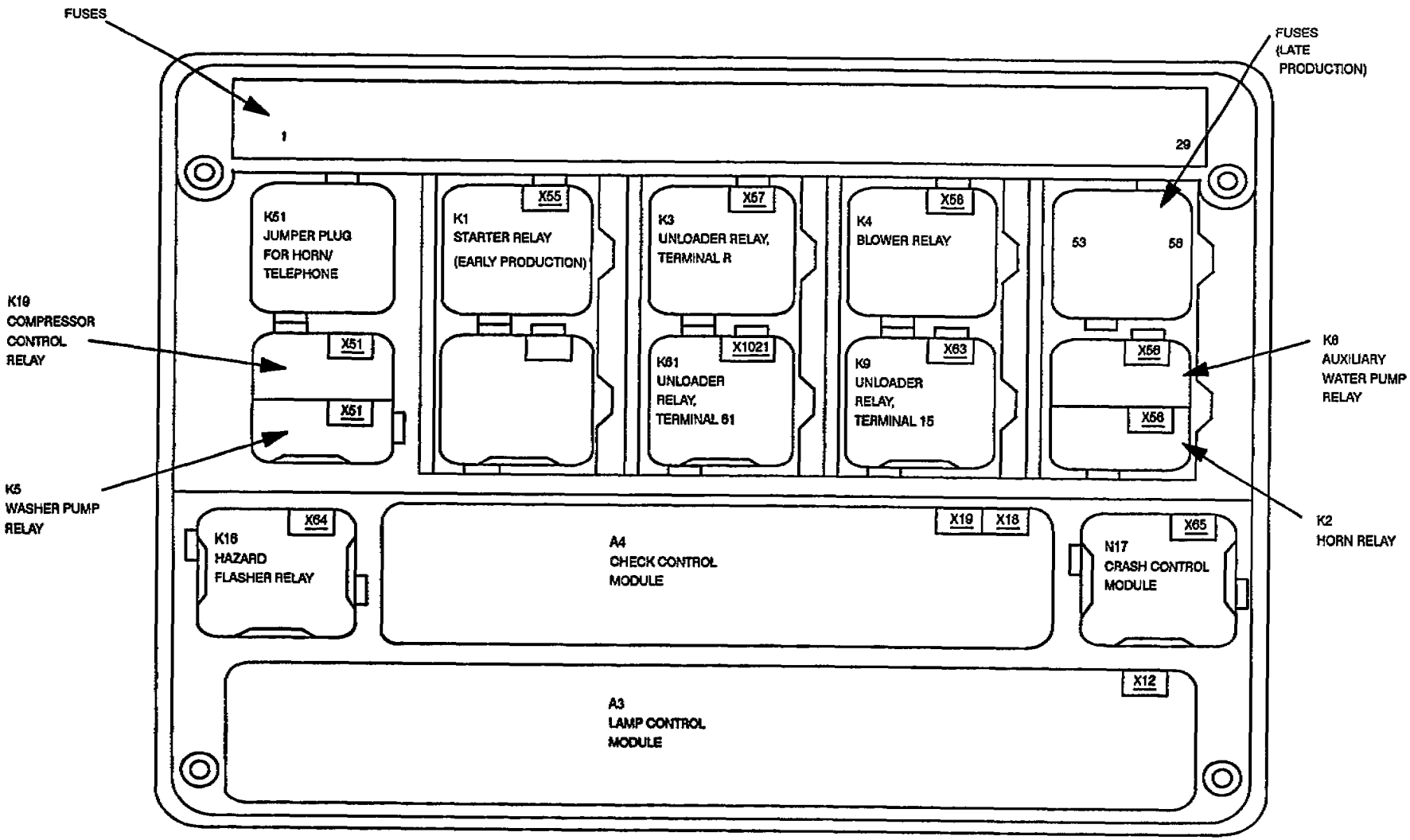


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POWER DISTRIBUTION CHART

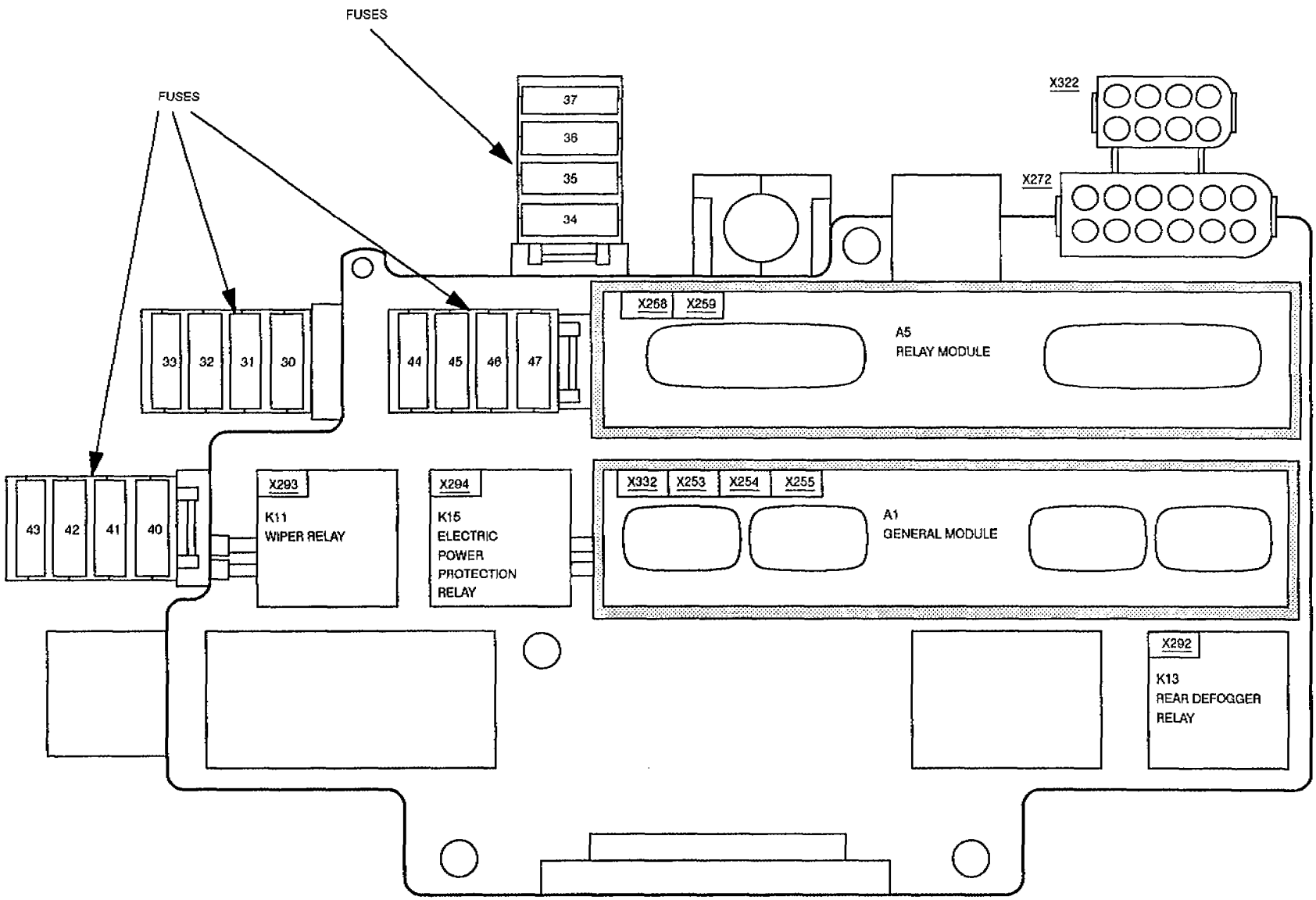
FRONT POWER DISTRIBUTION BOX



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POWER DISTRIBUTION CHART

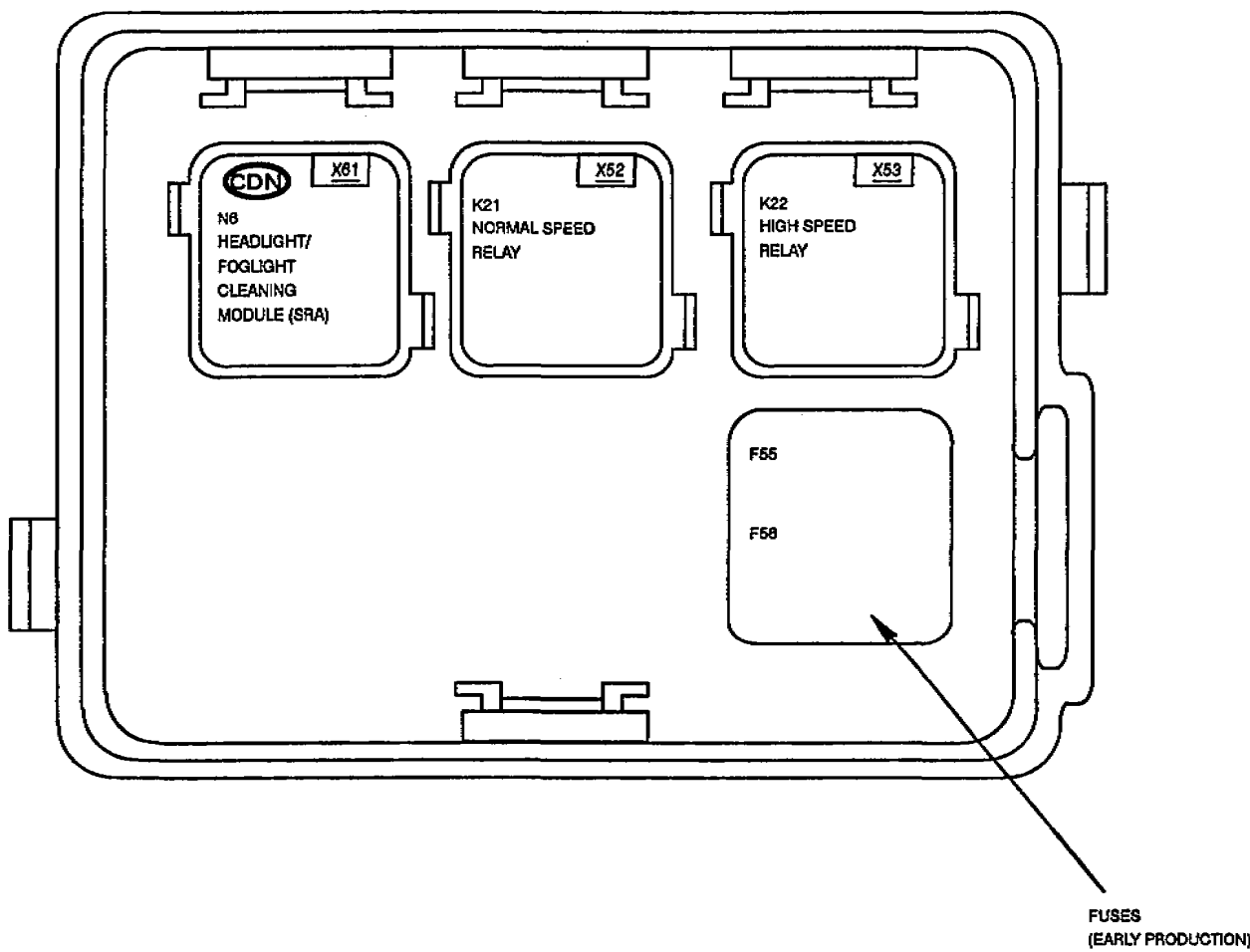
REAR POWER DISTRIBUTION BOX



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POWER DISTRIBUTION CHART

AUXILIARY RELAY BOX



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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
		15A	7.5A	7.5A	7.5A	10A	15A	15A		15A	7.5A	7.5A	15A	7.5A	7.5A	7.5A	30A	7.5A	15A	30A	10A	10A	30A	15A	10A	30A	30A	7.5A	15A	7.5A
1210.11	ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)		●																					●						
1210.13	ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)																	●						●						
1230.0	CHARGING SYSTEM																	●											●	
1240.0	START																	●												
1290.0	E-BOX FAN																	●												
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)	●																●												
2460.7	ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)	●											●					●												
2460.8	ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)	●											●					●												
3231.0	ELECTRIC STEERING COLUMN ADJUSTMENT																													
3231.1	STEERING COLUMN MEMORY (LSM)																●		●											
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																													
3450.0	SLIP CONTROL (ABS)	●																●												
3450.2	SLIP CONTROL (ABS/ASC+T)	●																●												
3450.5	SLIP CONTROL 5 (ASC 5)	●											●					●												
5116.0	POWER MIRRORS												●						●											
5120.0	ZKE DOOR LOCK HEATING (TSH)																	●												
5126.0	ZKE CENTRAL LOCKING (ZV)																	●												
5133.0	ZKE POWER WINDOWS (FH)																	●												
5200.0	POWER SEATS																													

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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
		15A	7.5A	7.5A	7.5A	10A	15A	15A		15A	7.5A	7.5A	15A	7.5A	7.5A	7.5A	30A	7.5A	15A	30A	10A	10A	30A	15A	10A	30A	30A	7.5A	15A	7.5A
5200.1	SEAT/MIRROR MEMORY SYSTEM (SM/SPM)												●				●		●											
5203.0	HEATED SEATS																●													
5212.0	LUMBAR SUPPORT																●													
5410.0	ZKE SUNROOF (SHD)																	●												
5410.2	DOUBLE PANEL POWER SUNROOF (ZKE)																													
6100.0	CENTRAL BODY ELECTRONICS (ZKE)			●	●	●												●							●					
6133.0	HORN									●																				
6160.0	ZKE WIPER/WASHER CONTROL	●																							●					
6162.0	REAR WINDOW WIPER/WASHER CONTROL																		●											
6167.0	ZKE HEADLIGHT WASHER (SRA)			●	●	●												●					●							
6169.0	WINDSHIELD WASHER JET HEATERS												●																	
6200.0	INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)	●																●			●									●
6213.2	MULTI-FUNCTION CLOCK	●																			●									
6300.0	LIGHT SWITCH DETAILS		●	●	●	●																								
6301.0	LAMP MONITOR (LKM)	●	●	●	●	●		●			●	●		●	●	●														
6312.0	HEADLIGHTS/ FOG LIGHTS		●	●		●		●			●	●		●	●															
6313.0	TURN/HAZARD LIGHTS		●	●			●							●	●															
6314.0	PARK/TAIL/ UNDERHOOD LIGHTS				●	●										●														
6320.0	LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS					●										●						●								

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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
		15A	7.5A	7.5A	7.5A	10A	15A	15A		15A	7.5A	7.5A	15A	7.5A	7.5A	7.5A	30A	7.5A	15A	30A	10A	10A	30A	15A	10A	30A	30A	7.5A	15A	7.5A
6322.0	BACK UP LIGHTS												●																	
6325.0	BRAKE LIGHTS	●														●														
6330.0	ZKE INTERIOR LIGHTS CONTROL (IB)																		●			●								
6332.0	INTERIOR ACCESSORIES					●													●			●					●			
6350.0	CRASH CONTROL MODULE						●							●	●															
6412.19	PARK VENTILATION WITH IHKR/F3																			●	●									
6424.0	REAR WINDOW DEFOGGER																													
6450.5	INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)									●										●	●							●		●
6454.0	AUXILIARY FAN																									●				●
6510.1	RADIO/HIFI																		●											
6510.2	RADIO PROVISIONS																		●											
6561.0	CELLULAR TELEPHONE (PROVISIONS)																		●											
6571.0	CRUISE CONTROL (TEMPOMAT)	●																●												
6575.2	ANTI-THEFT SYSTEM (ALPINE)																		●											
6575.3	ANTI-THEFT SYSTEM IV (DWA IV)	●																●				●								
6581.0	ON-BOARD COMPUTER (BCIV)	●																●			●									
6610.1	REMOTE CONTROLLED LOCKING SYSTEM																		●											

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FUSE CHART

FUSES 30 TO 56

		FUSE NUMBER																													
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56			
		10A		7.5A	7.5A	30A	30A	30A	30A			7.5A	30A	30A	30A	20A			10A								50A	25A			
1210.11	ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)																														
1210.13	ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)																														
1230.0	CHARGING SYSTEM																														
1240.0	START																														
1290.0	E-BOX FAN																														
2460.2	ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)																														
2460.7	ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)																														
2460.8	ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)																														
3231.0	ELECTRIC STEERING COLUMN ADJUSTMENT												●																		
3231.1	STEERING COLUMN MEMORY (LSM)													●																	
3234.0	SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)																		●												
3450.0	SLIP CONTROL (ABS)																										●				
3450.2	SLIP CONTROL (ABS/ASC+T)																										●	●			
3450.5	SLIP CONTROL 5 (ASC 5)																										●	●			
5116.0	POWER MIRRORS																														
5120.0	ZKE DOOR LOCK HEATING (TSH)			●																											
5126.0	ZKE CENTRAL LOCKING (ZV)			●	●				●							●															
5133.0	ZKE POWER WINDOWS (FH)			●	●				●																						
5200.0	POWER SEATS													●	●																

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FUSE CHART

FUSES 30 TO 56

		FUSE NUMBER																												
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
		10A		7.5A	7.5A	30A	30A	30A	30A			7.5A	30A	30A	30A	20A			10A								50A	25A		
5200.1	SEAT/MIRROR MEMORY SYSTEM (SM/SPM)													●																
5203.0	HEATED SEATS																													
5212.0	LUMBAR SUPPORT																													
5410.0	ZKE SUNROOF (SHD)			●	●				●																					
5410.2	DOUBLE PANEL POWER SUNROOF (ZKE)			●																										
6100.0	CENTRAL BODY ELECTRONICS (ZKE)			●					●																					
6133.0	HORN																													
6160.0	ZKE WIPER/WASHER CONTROL					●																								
6162.0	REAR WINDOW WIPER/WASHER CONTROL															●														
6167.0	ZKE HEADLIGHT WASHER (SRA)																													
6169.0	WINDSHIELD WASHER JET HEATERS																													
6200.0	INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)																													
6213.2	MULTI-FUNCTION CLOCK																													
6300.0	LIGHT SWITCH DETAILS																													
6301.0	LAMP MONITOR (LKM)																													
6312.0	HEADLIGHTS/ FOG LIGHTS																													
6313.0	TURN/HAZARD LIGHTS																													
6314.0	PARK/TAIL/ UNDERHOOD LIGHTS																													
6320.0	LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS																													

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FUSE CHART

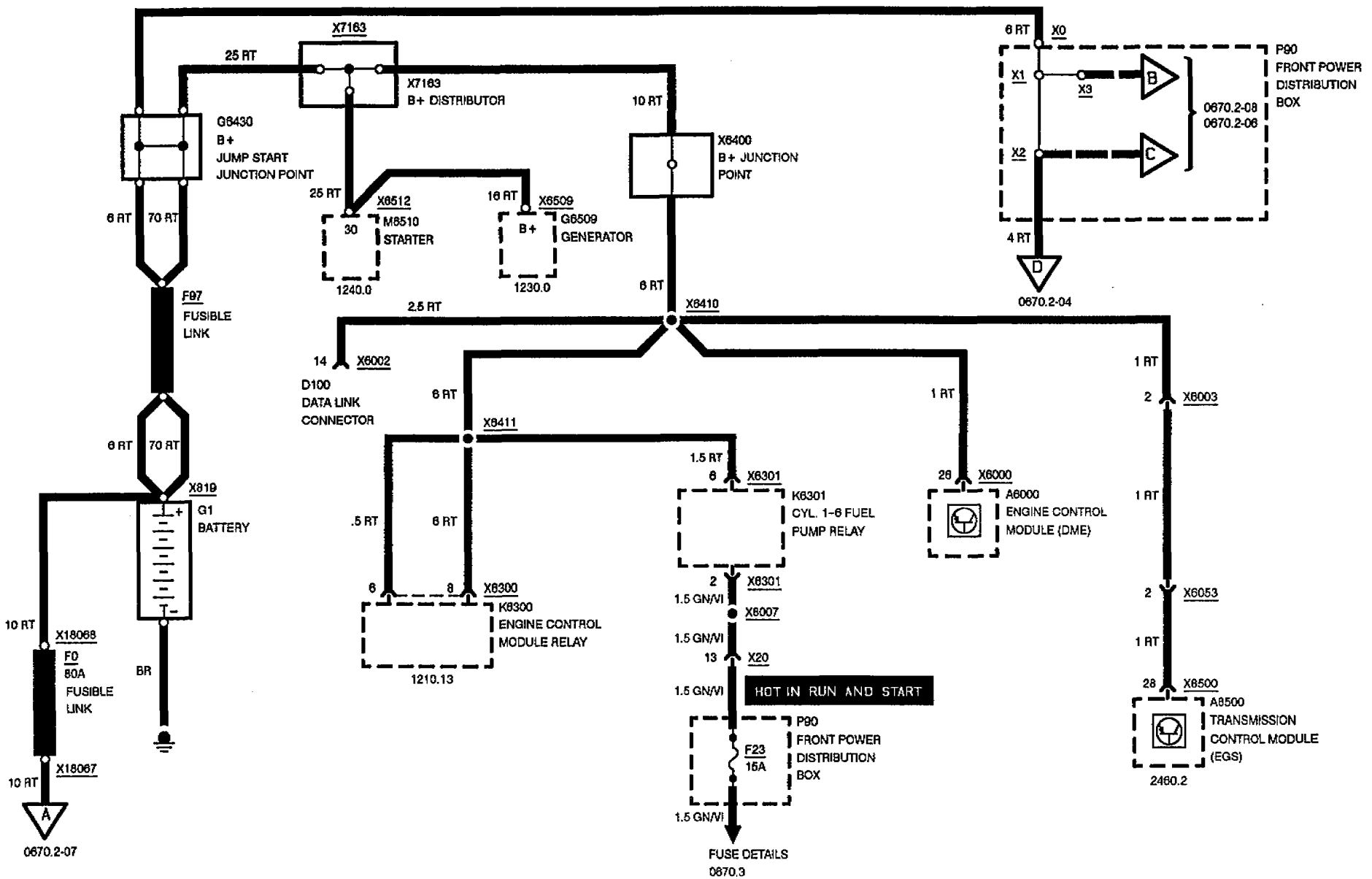
FUSES 30 TO 56

		FUSE NUMBER																												
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		
		10A		7.5A	7.5A	30A	30A	30A	30A			7.5A	30A	30A	30A	20A			10A								50A	25A		
6322.0	BACK UP LIGHTS																													
6325.0	BRAKE LIGHTS																													
6330.0	ZKE INTERIOR LIGHTS CONTROL (IB)			●																										
6332.0	INTERIOR ACCESSORIES																													
6350.0	CRASH CONTROL MODULE																													
6412.19	PARK VENTILATION WITH IHKR/F3																													
6424.0	REAR WINDOW DEFOGGER						●																							
6450.5	INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)																													
6454.0	AUXILIARY FAN																													
6510.1	RADIO/HIFI							●																						
6510.2	RADIO PROVISIONS							●																						
6561.0	CELLULAR TELEPHONE (PROVISIONS)											●																		
6571.0	CRUISE CONTROL (TEMPOMAT)																													
6575.2	ANTI-THEFT SYSTEM (ALPINE)								●																					
6575.3	ANTI-THEFT SYSTEM IV (DWA IV)			●	●	●																								
6581.0	ON-BOARD COMPUTER (BCIV)																													
6610.1	REMOTE CONTROLLED LOCKING SYSTEM				●																									

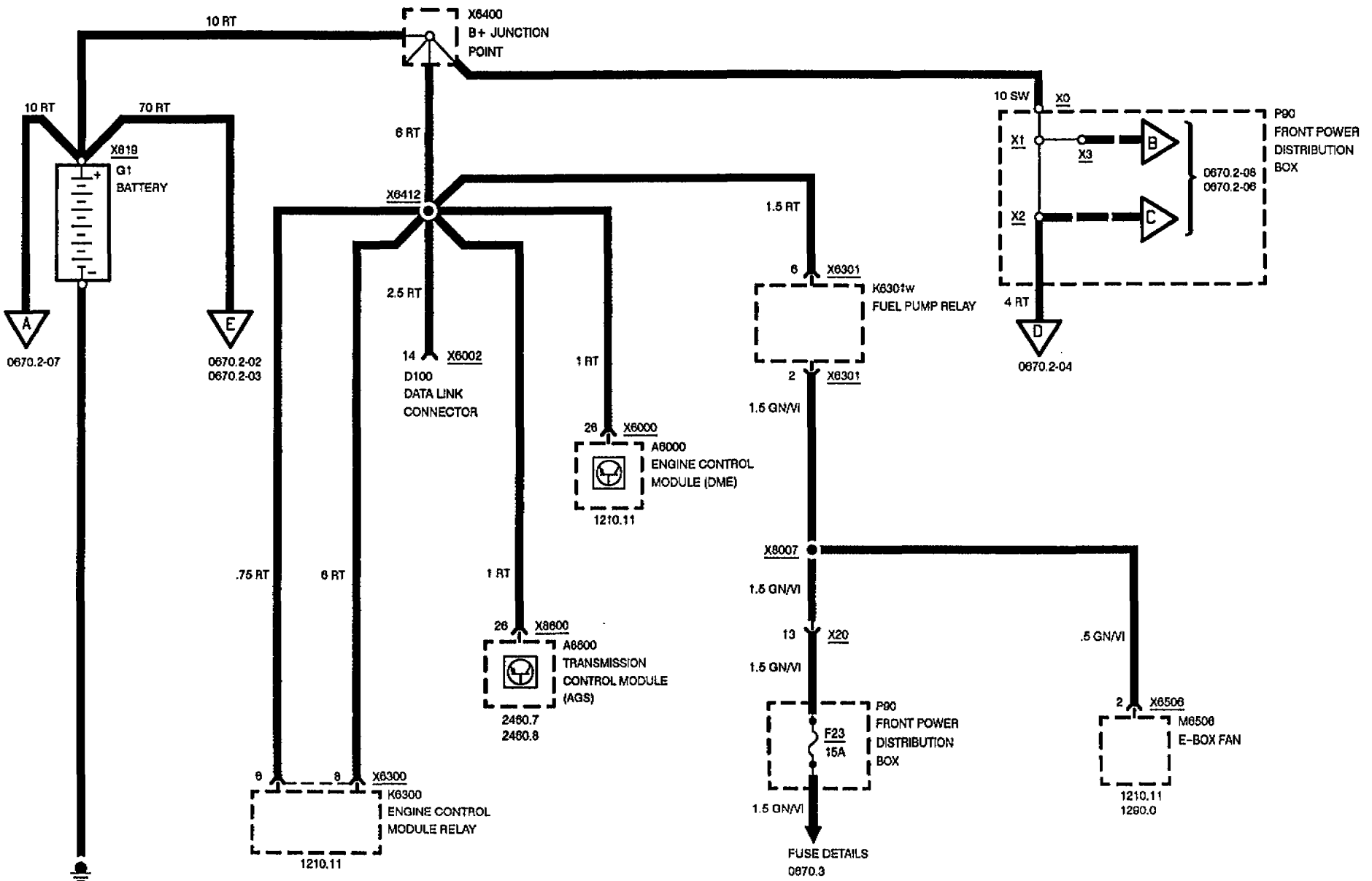
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POWER DISTRIBUTION

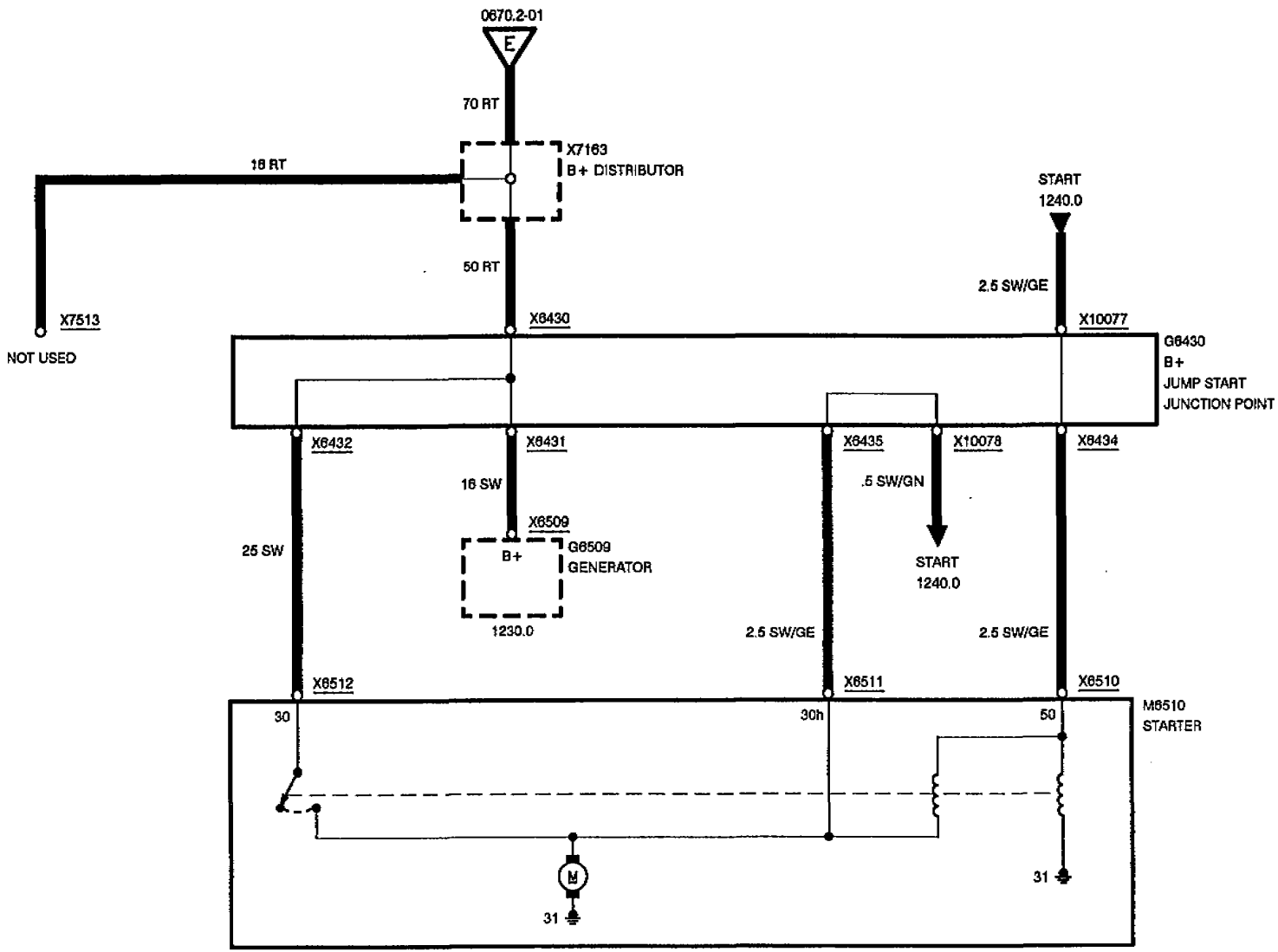
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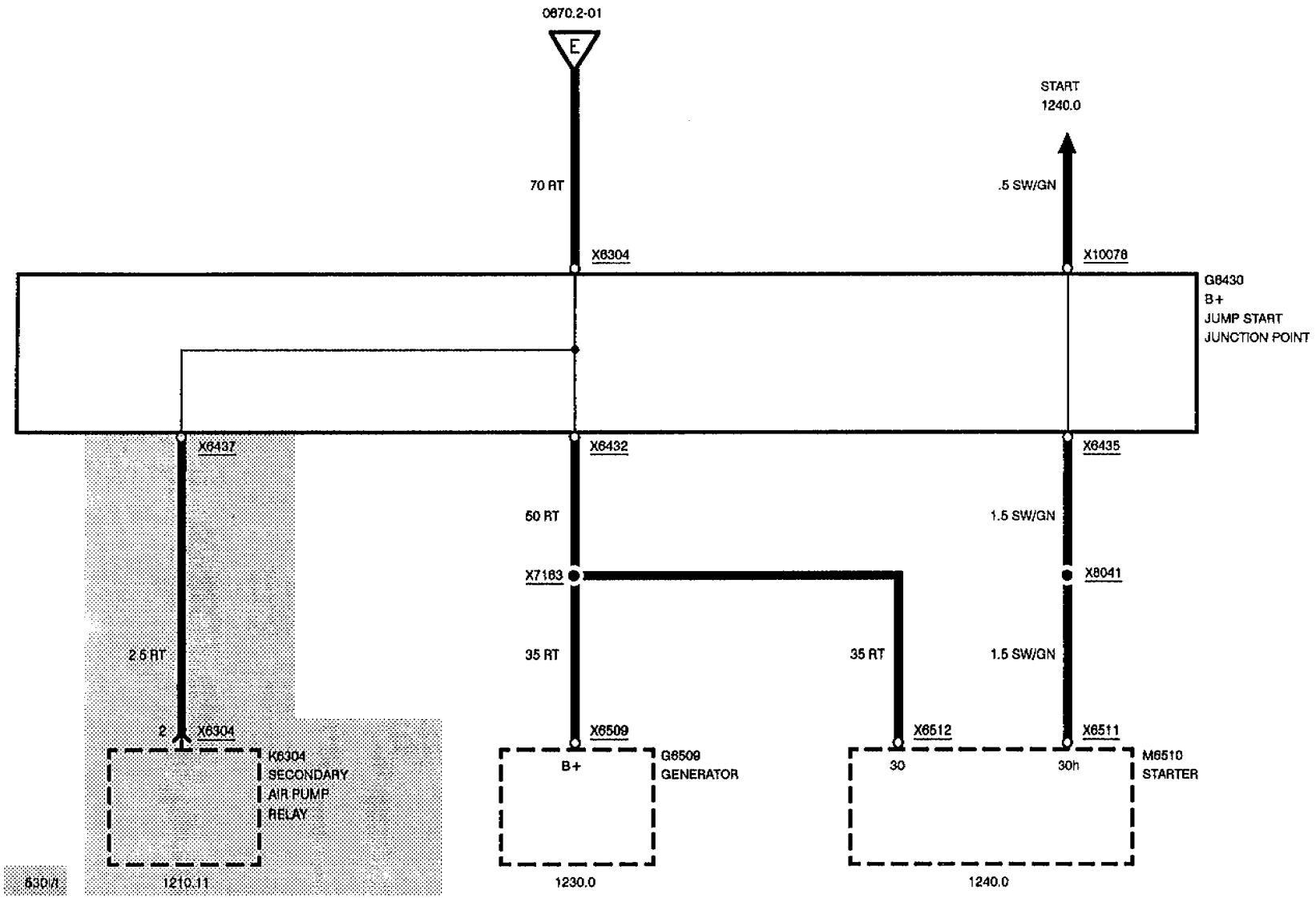
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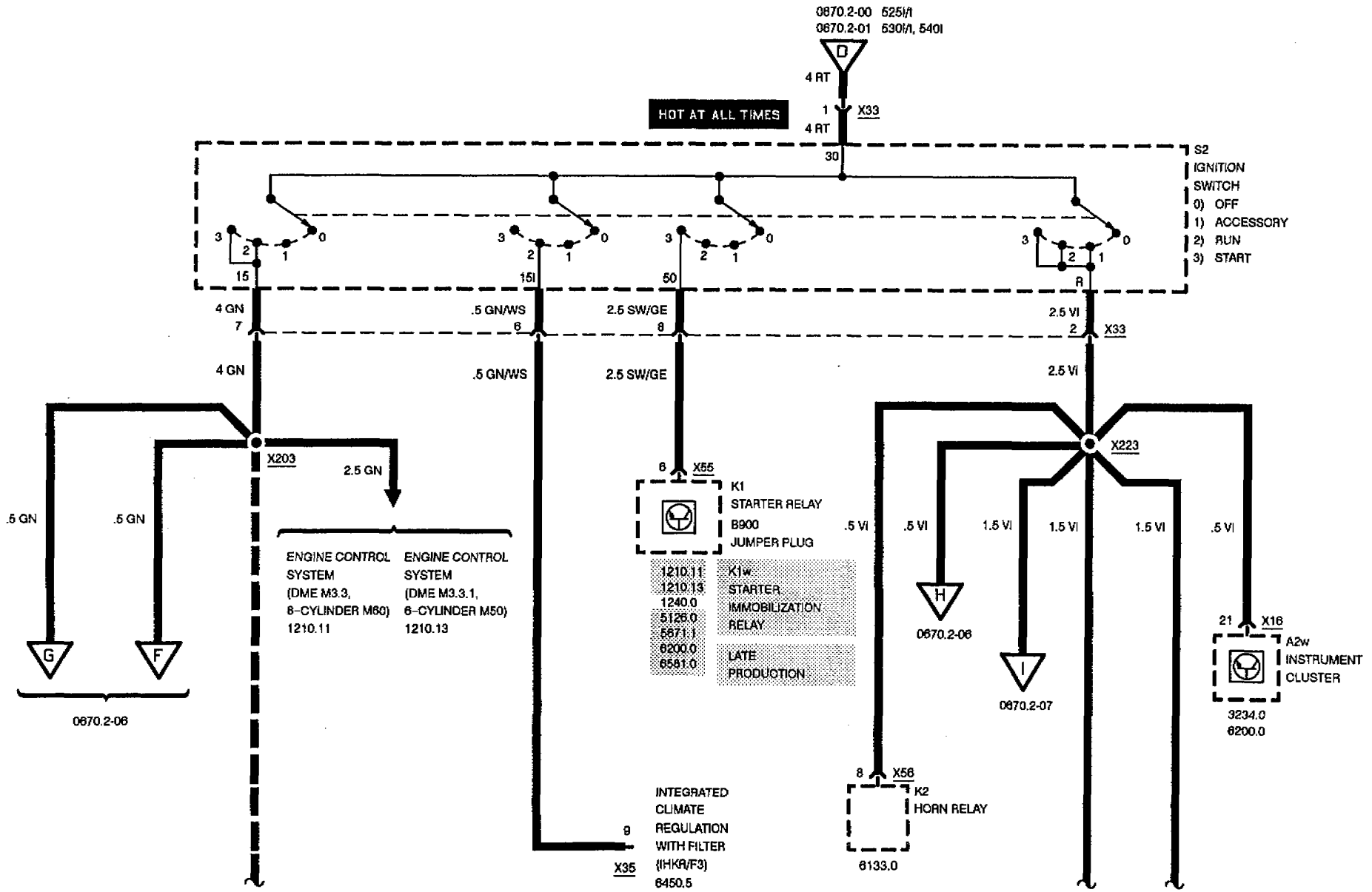
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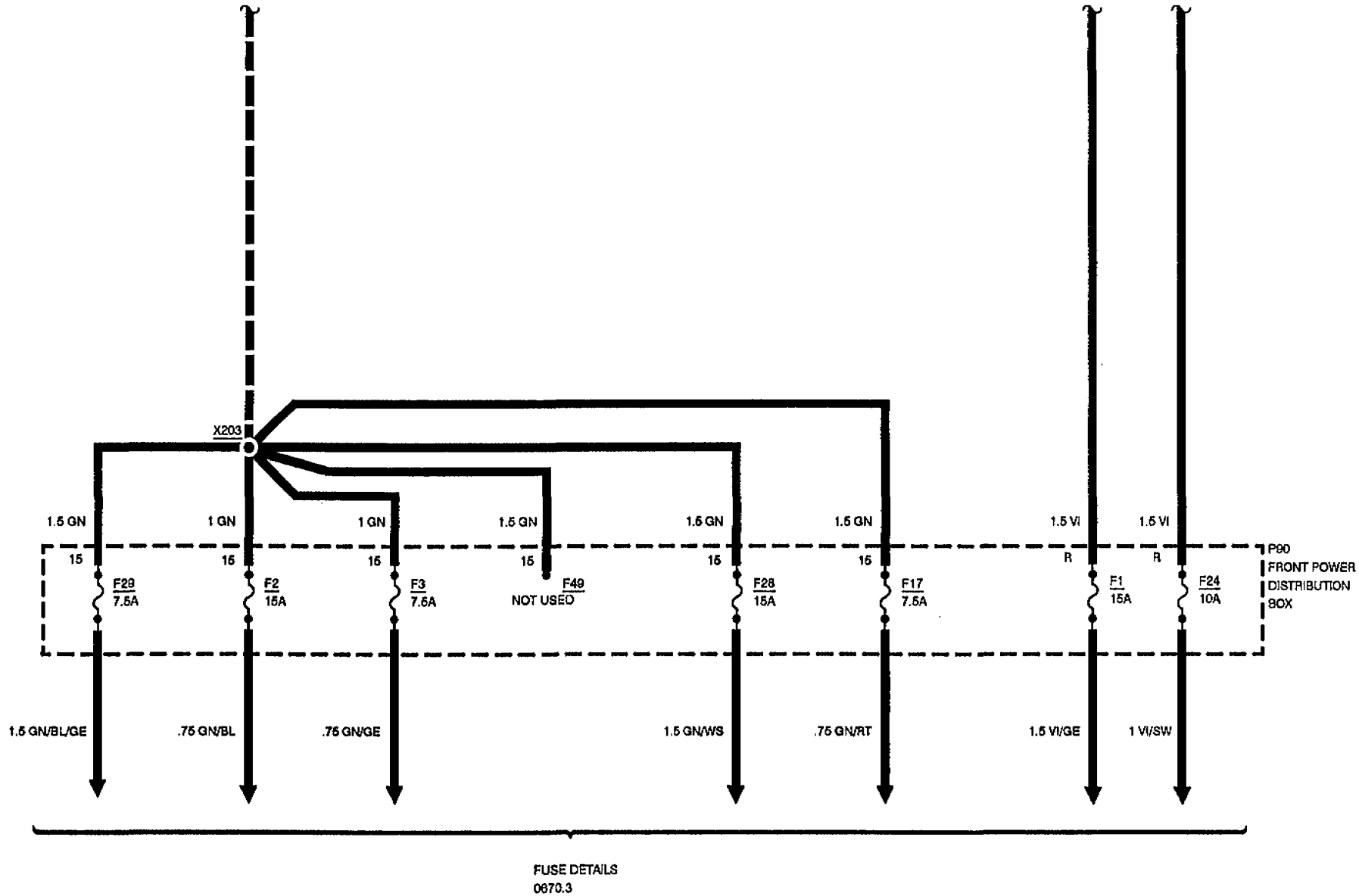
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POWER DISTRIBUTION

FRONT POWER DISTRIBUTION BOX



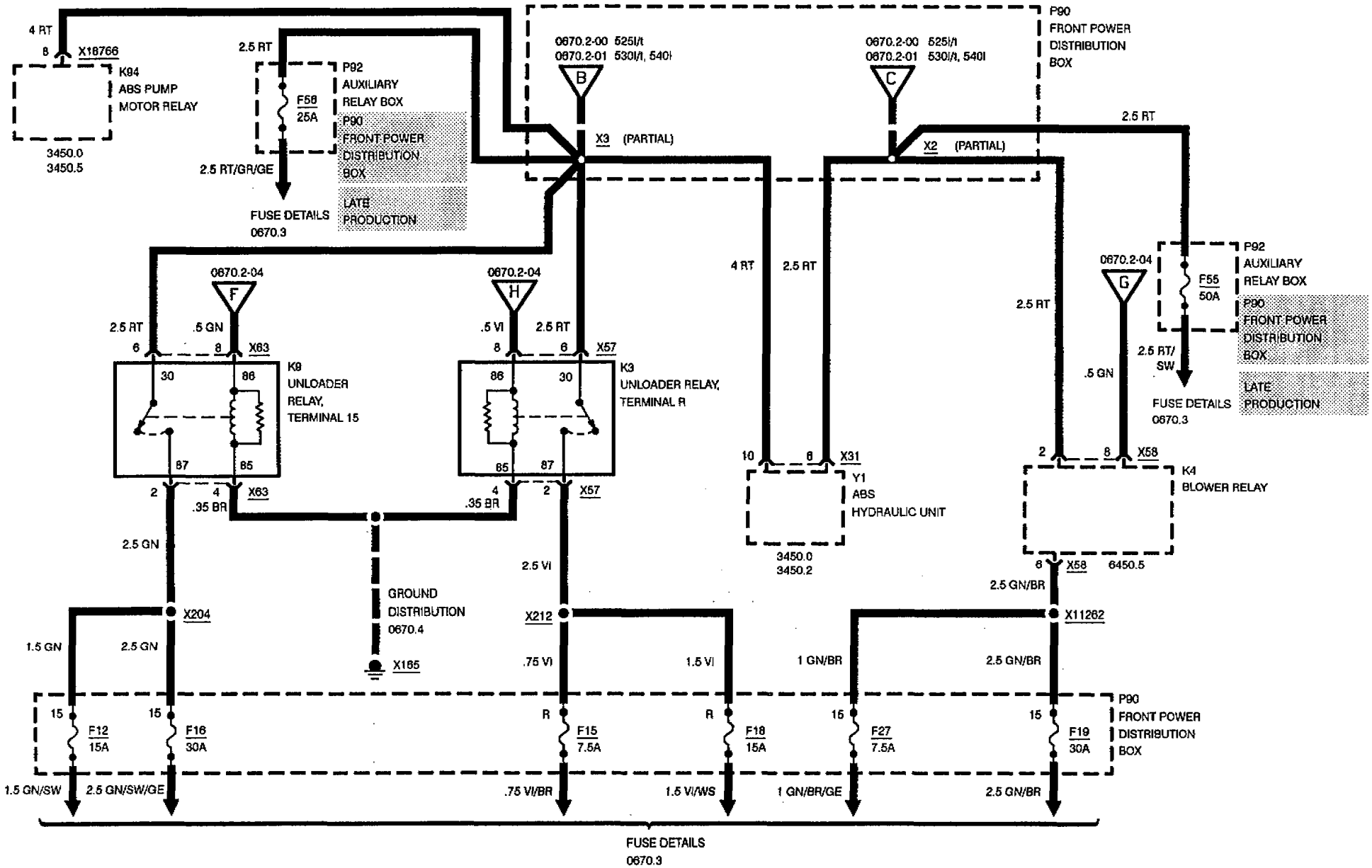
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POWER DISTRIBUTION

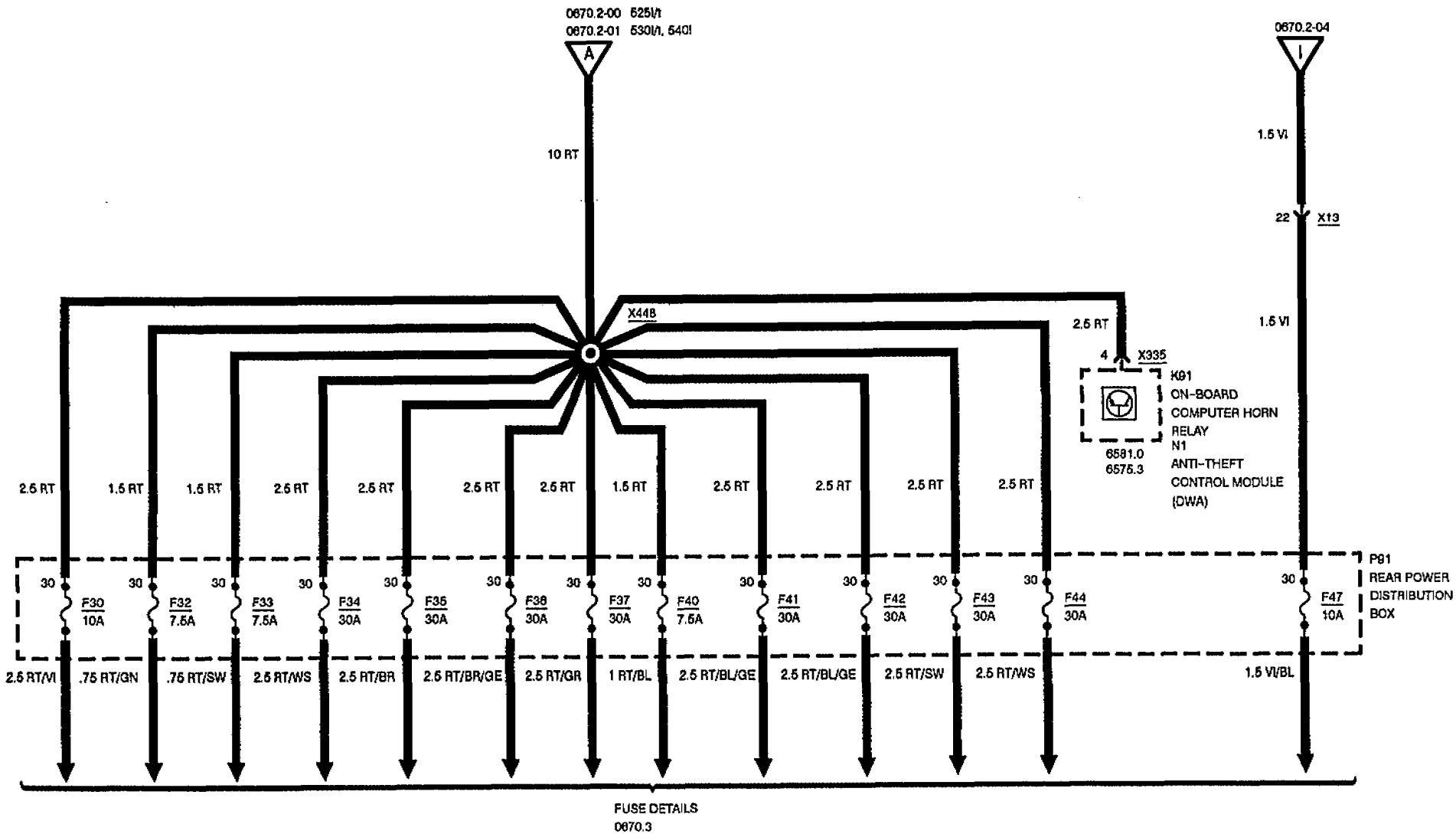
FRONT POWER DISTRIBUTION BOX



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POWER DISTRIBUTION

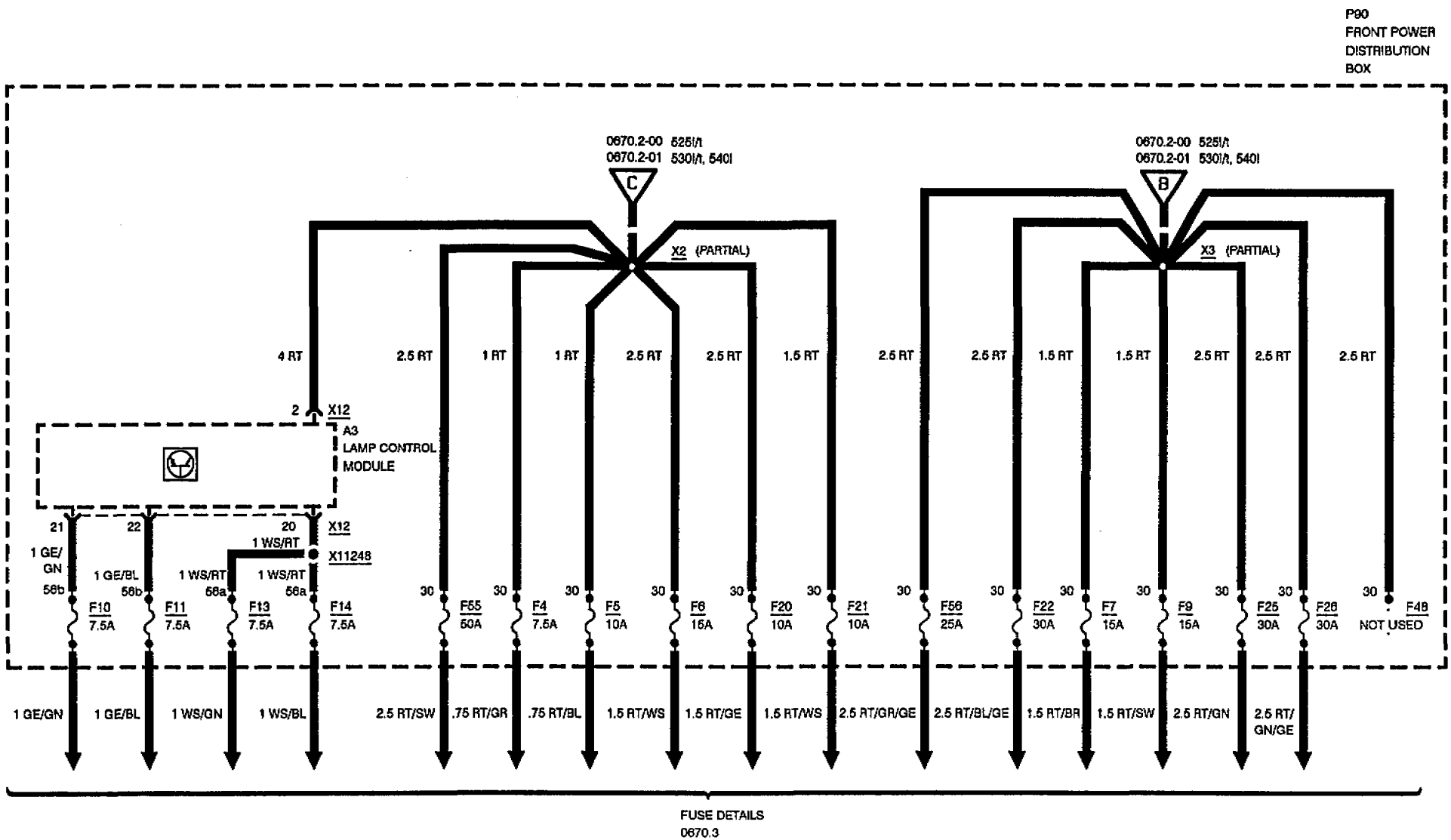
REAR POWER DISTRIBUTION BOX



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POWER DISTRIBUTION

FRONT POWER DISTRIBUTION BOX

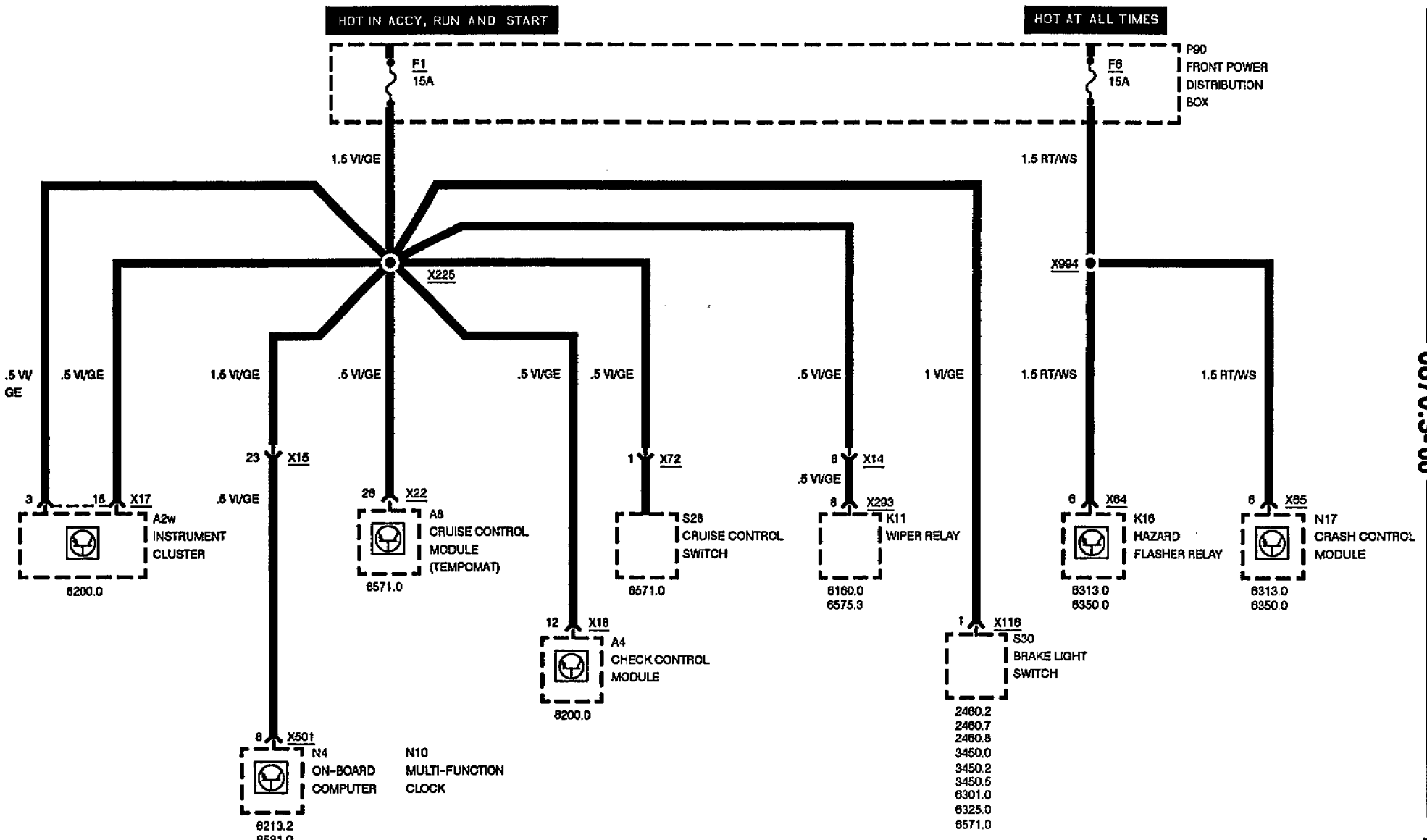


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FUSE DETAILS

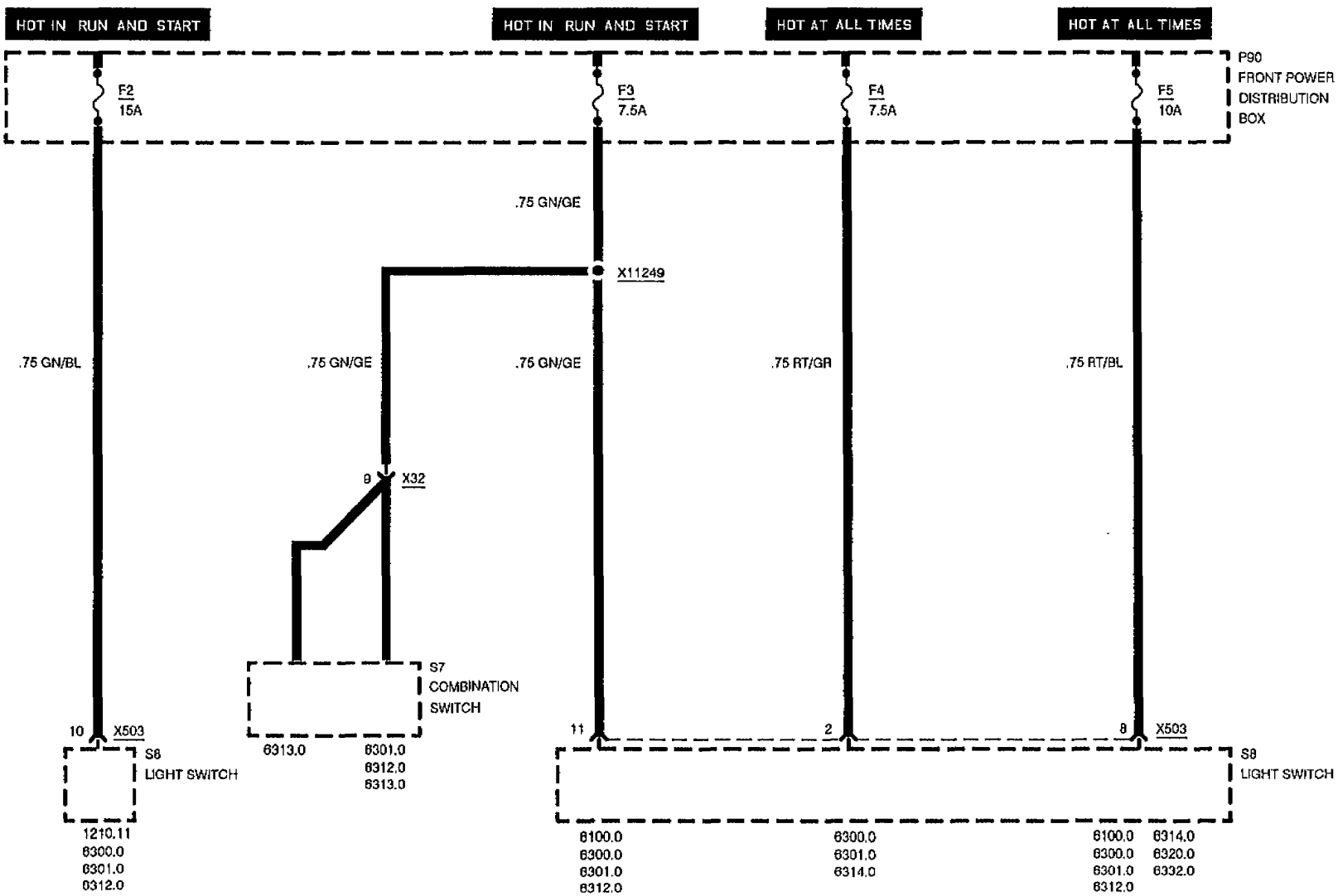
FUSES 1 AND 6



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FUSE DETAILS

FUSES 2, 3, 4, AND 5

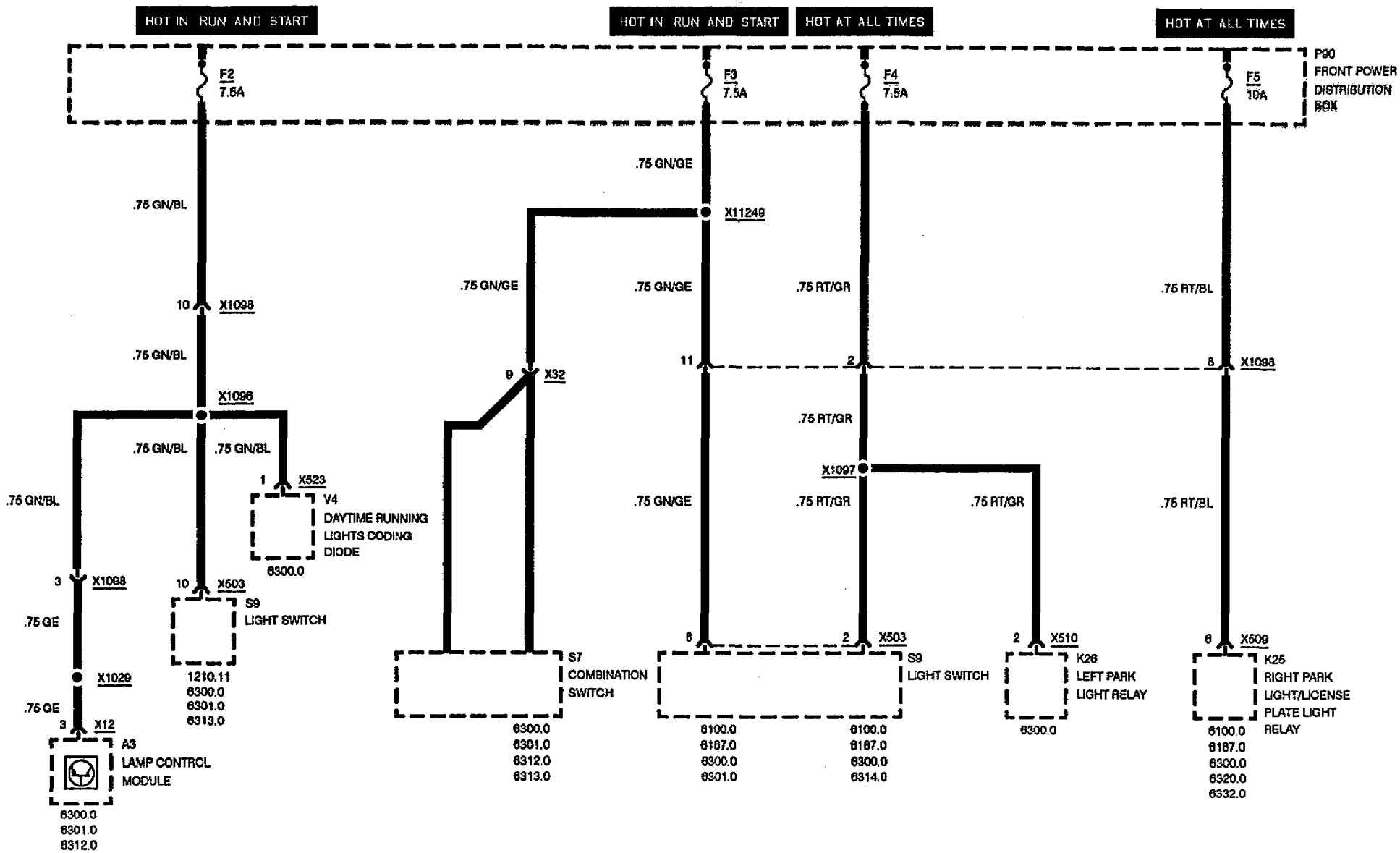


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FUSE DETAILS

CDN

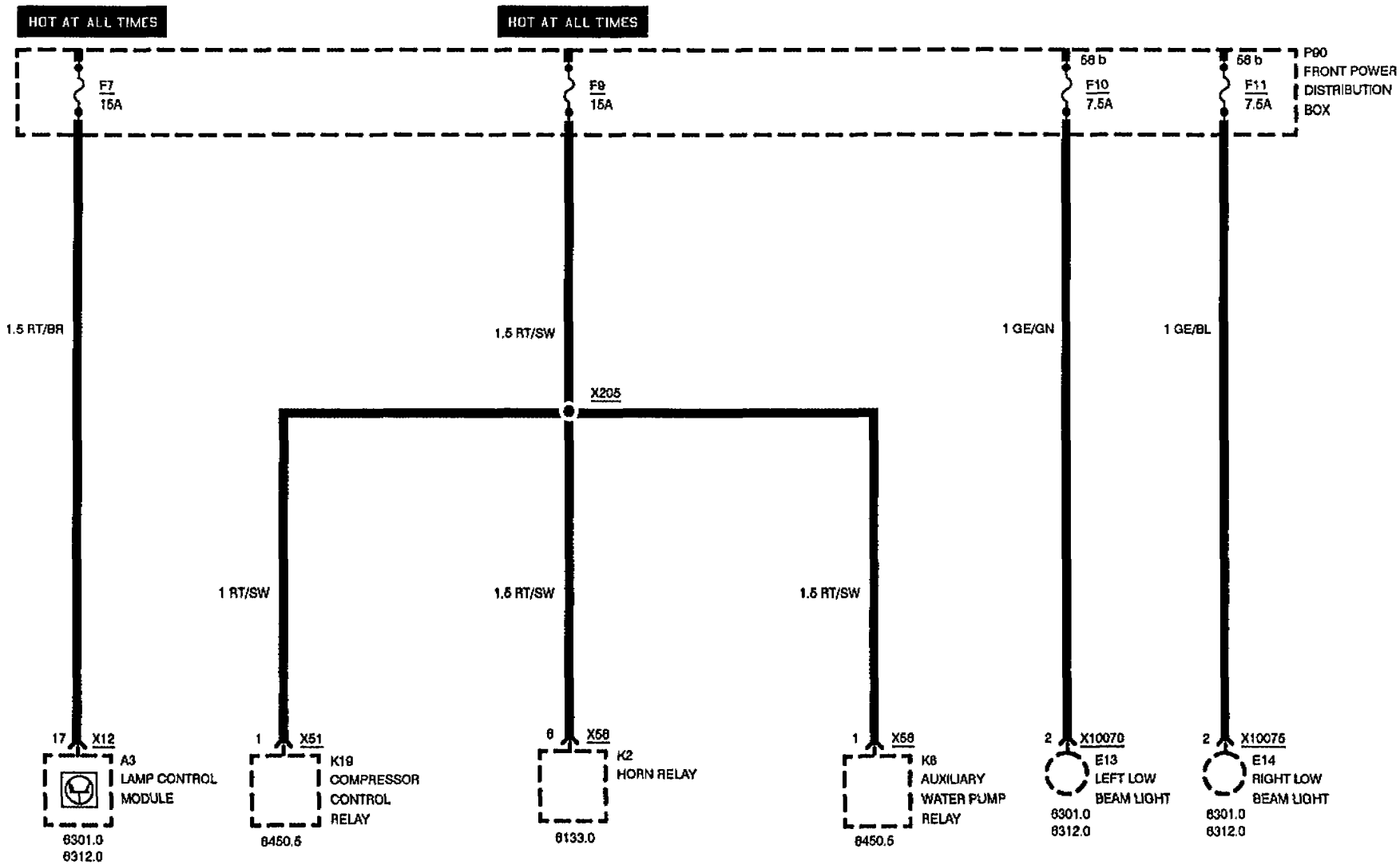
FUSES 2, 3, 4, AND 5



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FUSE DETAILS

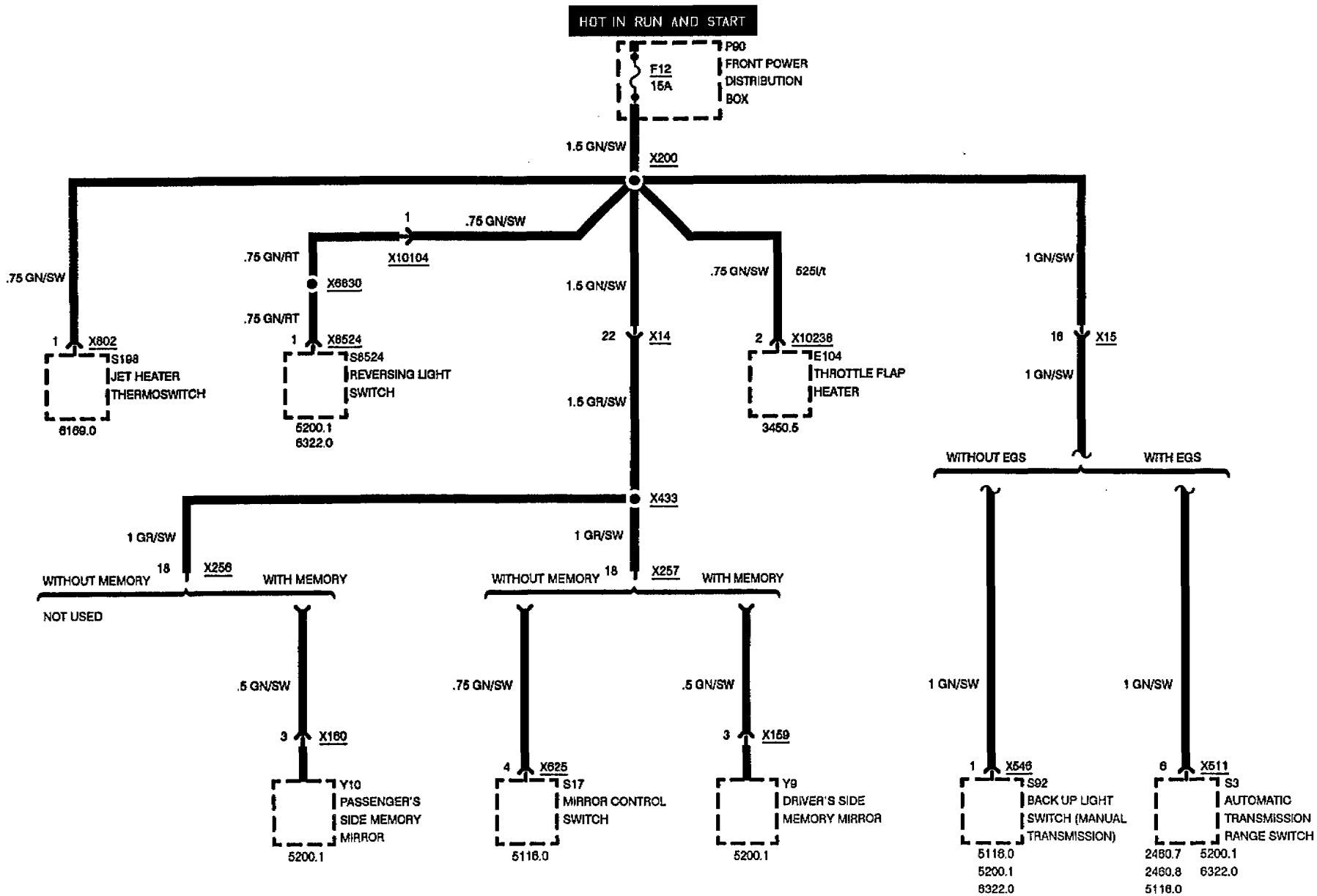
FUSES 7, 9, 10, AND 11



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FUSE DETAILS

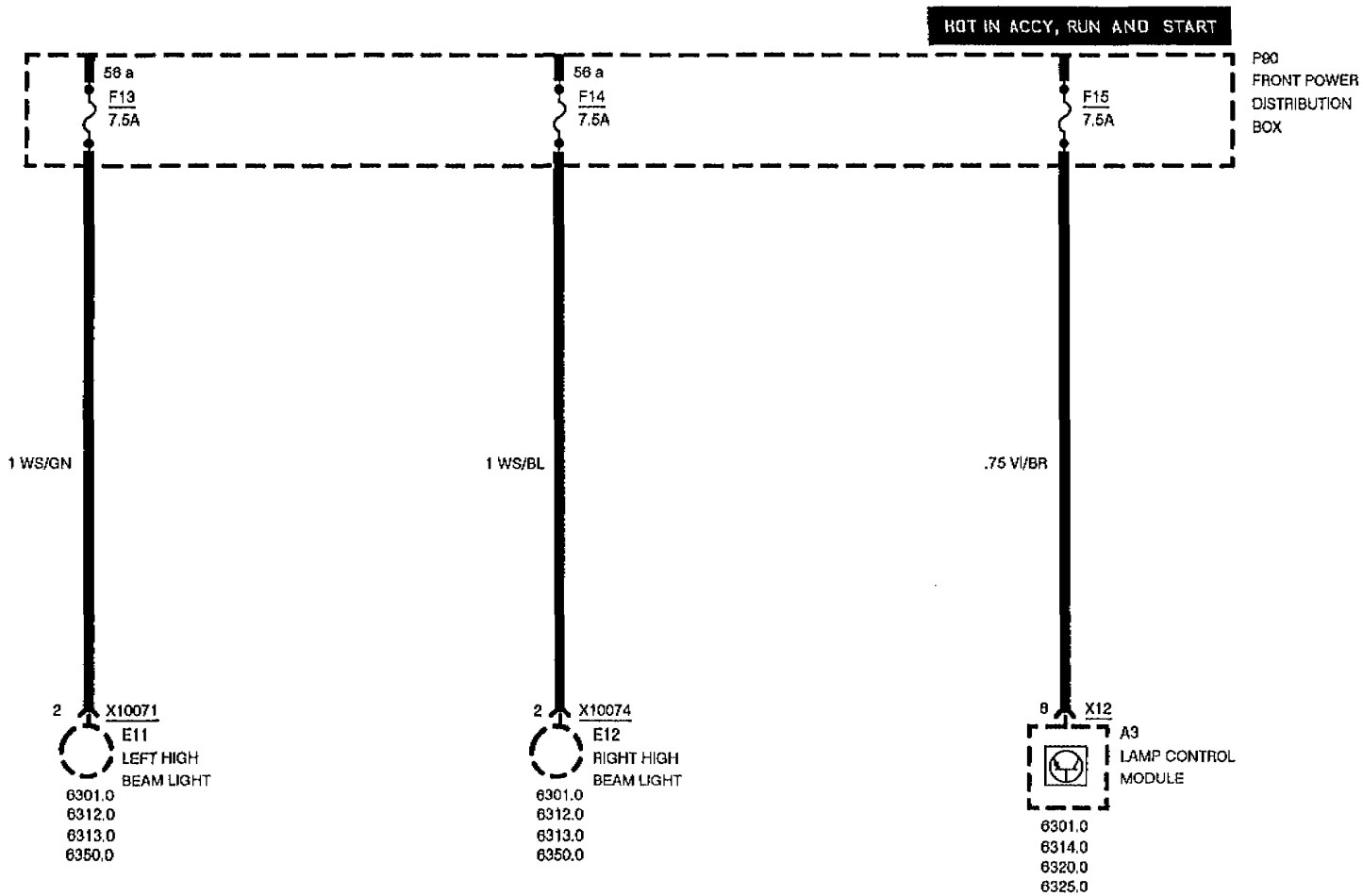
FUSE 12



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FUSE DETAILS

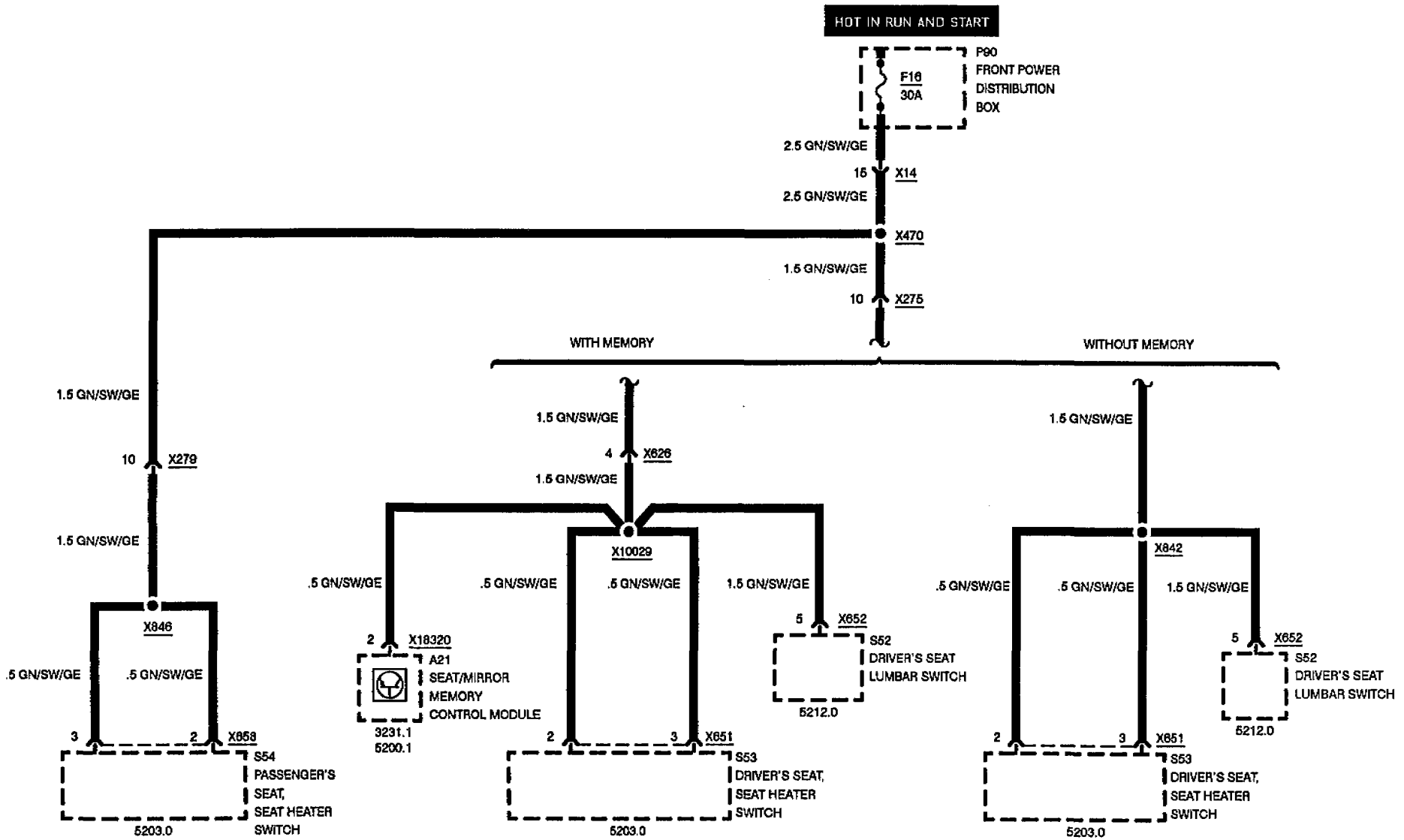
FUSES 13, 14, AND 15



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FUSE DETAILS

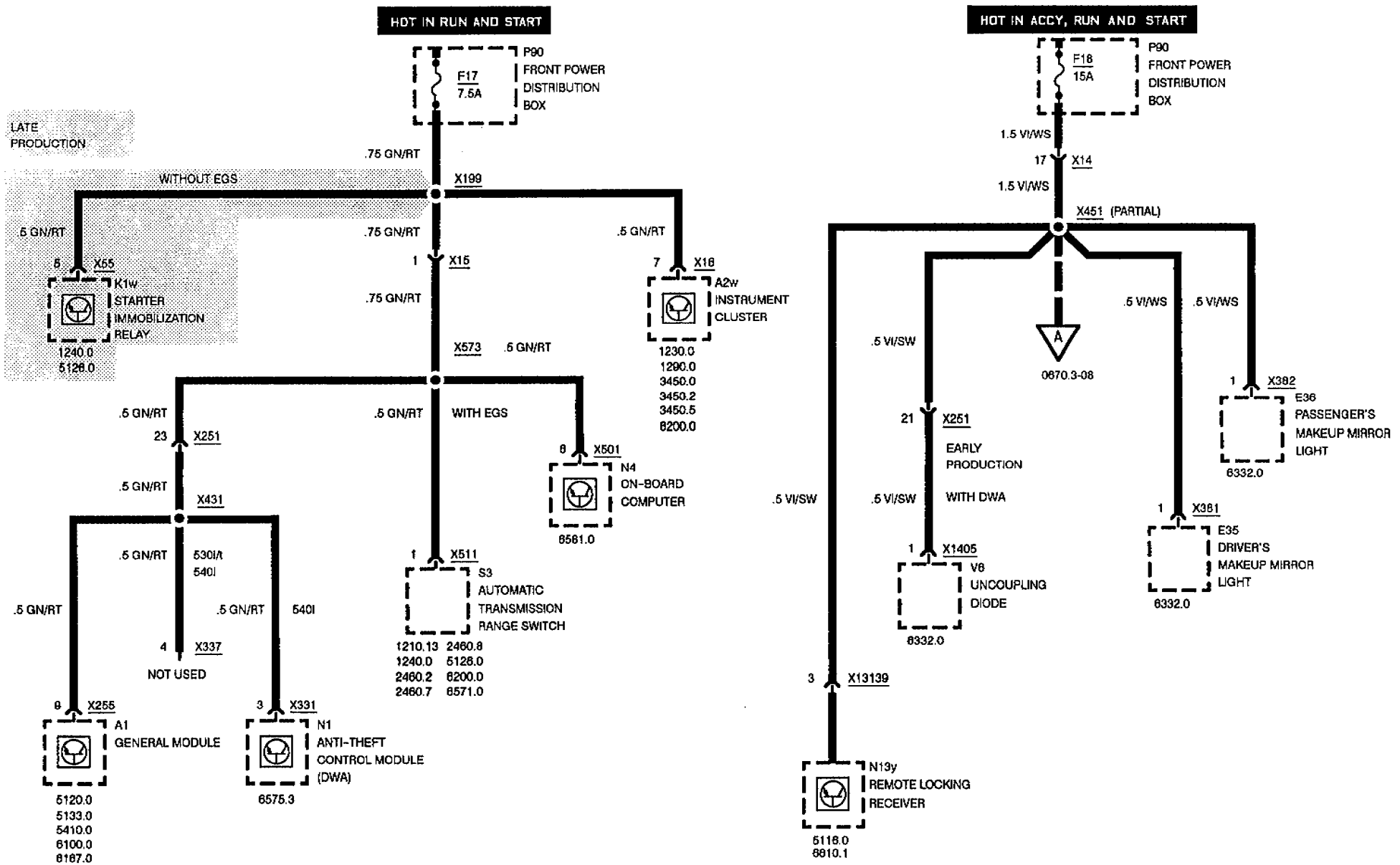
FUSE 16



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FUSE DETAILS

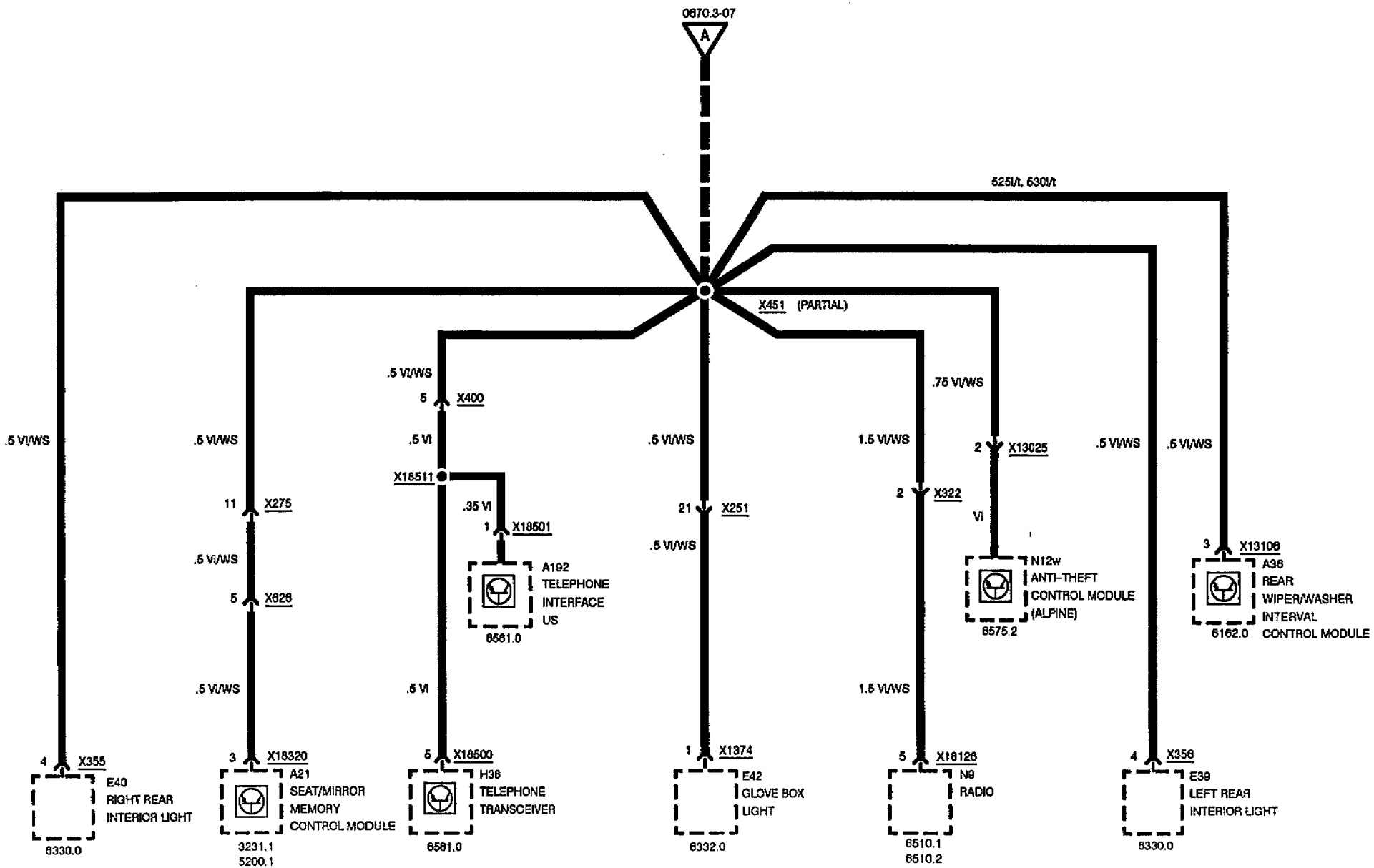
FUSES 17 AND 18



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FUSE DETAILS

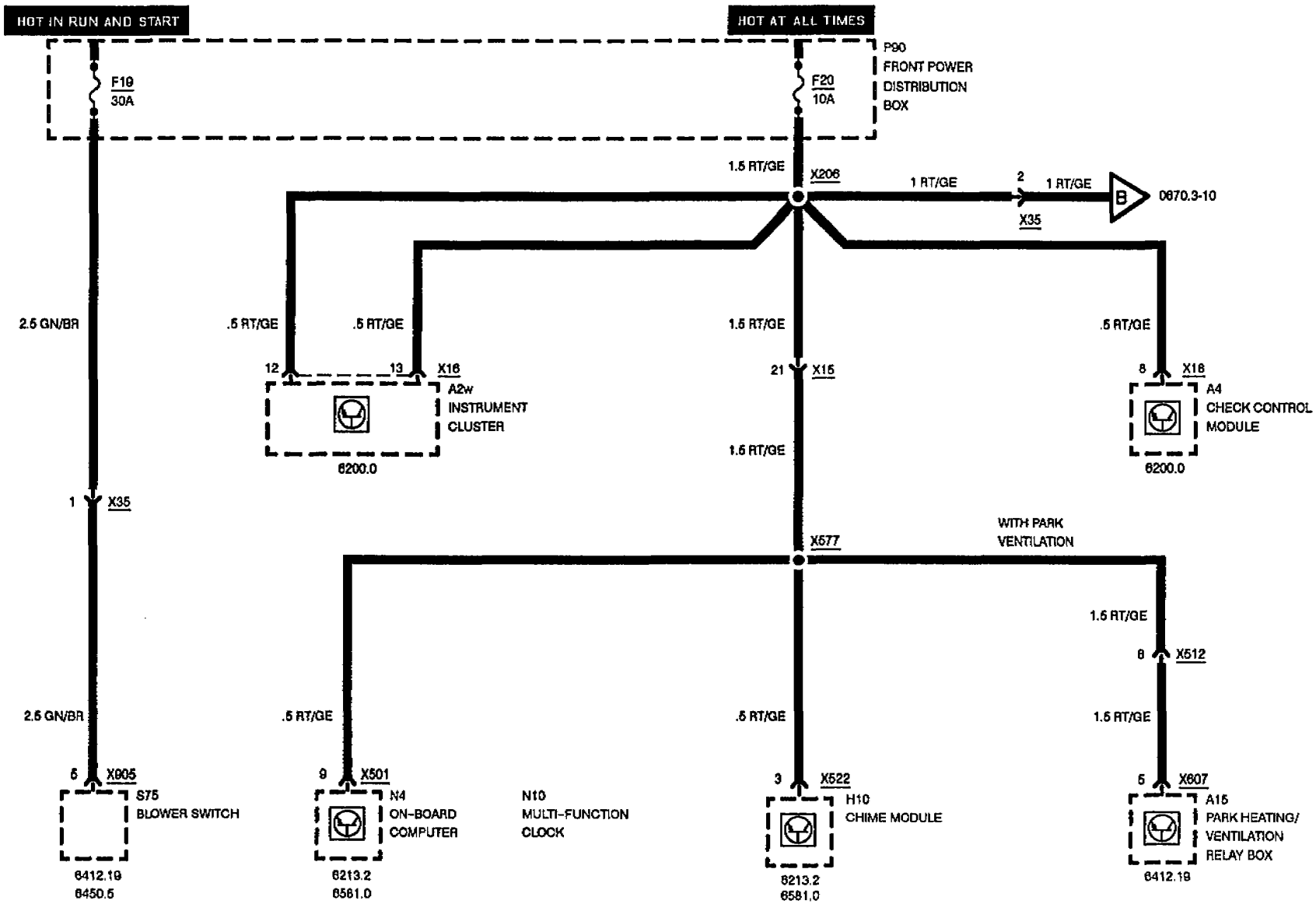
FUSE 18



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FUSE DETAILS

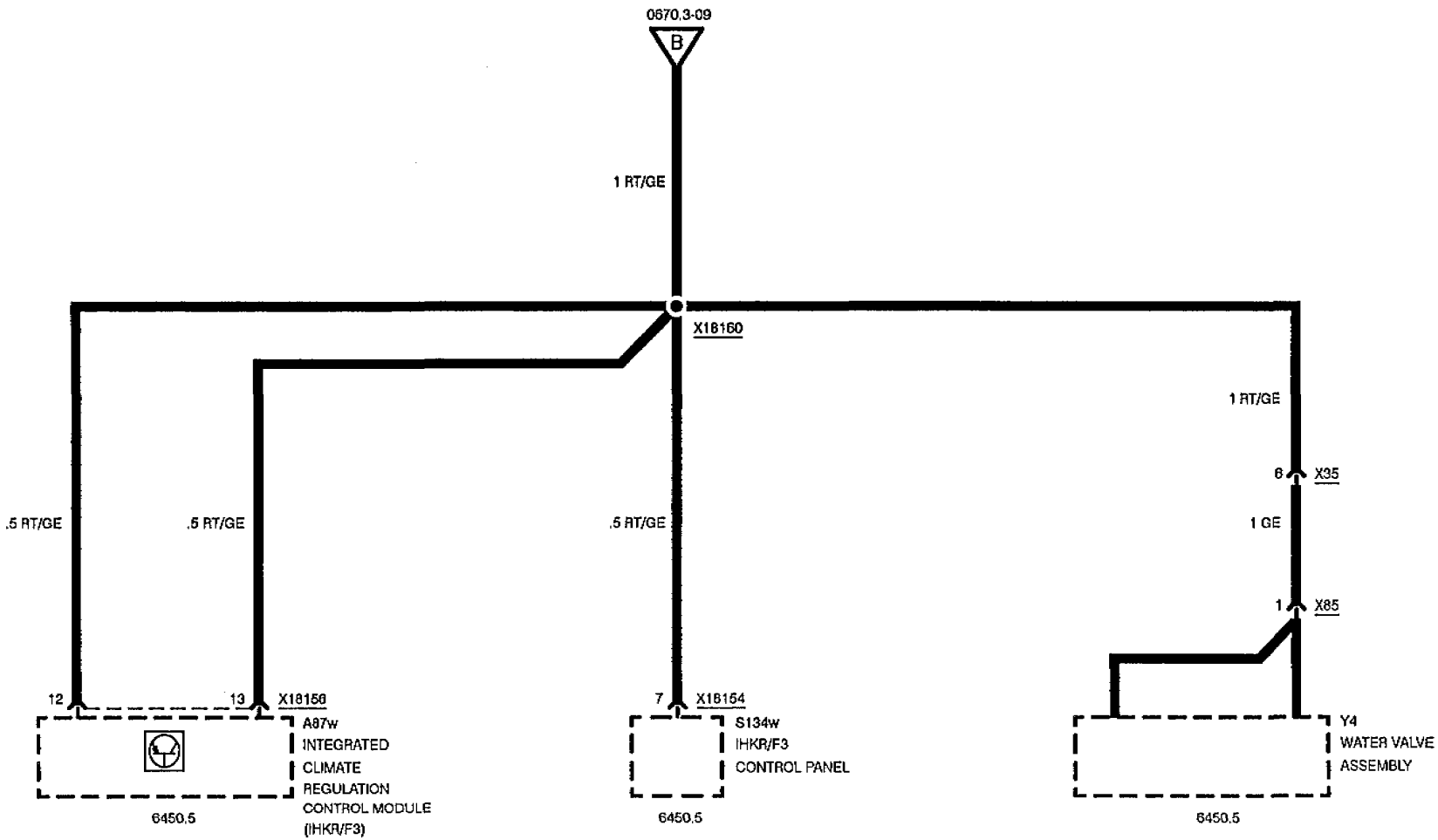
FUSES 19 AND 20



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FUSE DETAILS

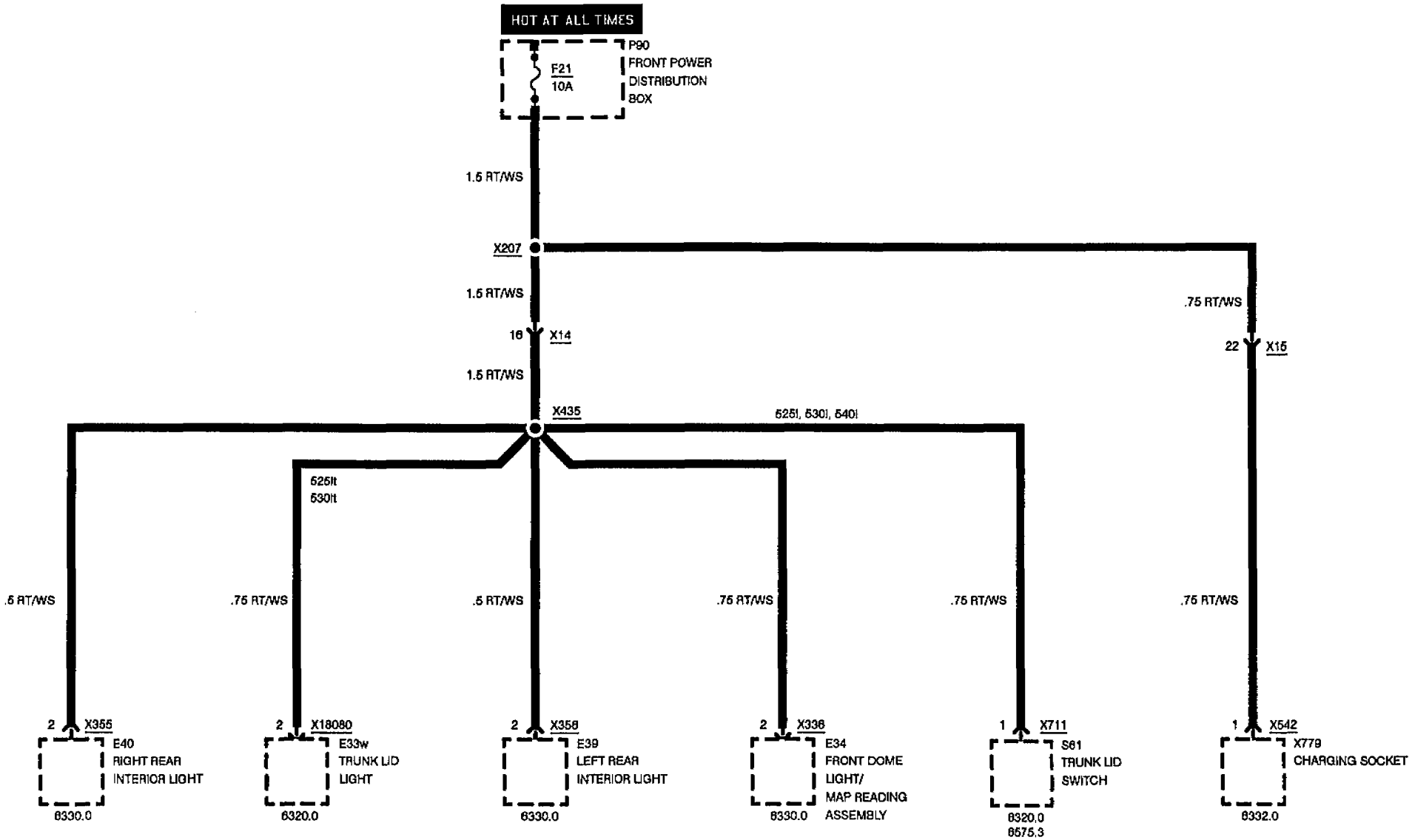
FUSE 20



cardiagn.com

FUSE DETAILS

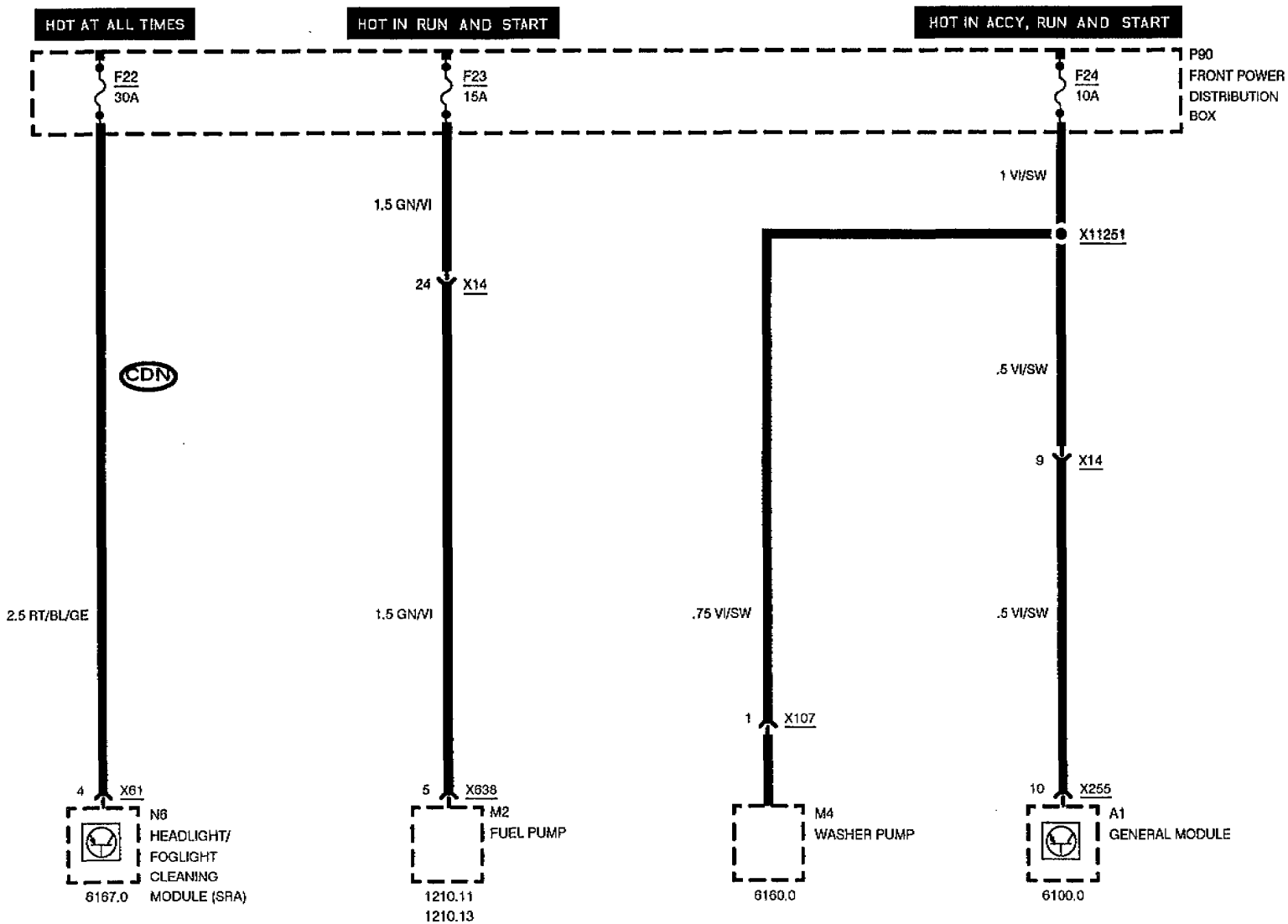
FUSE 21



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FUSE DETAILS

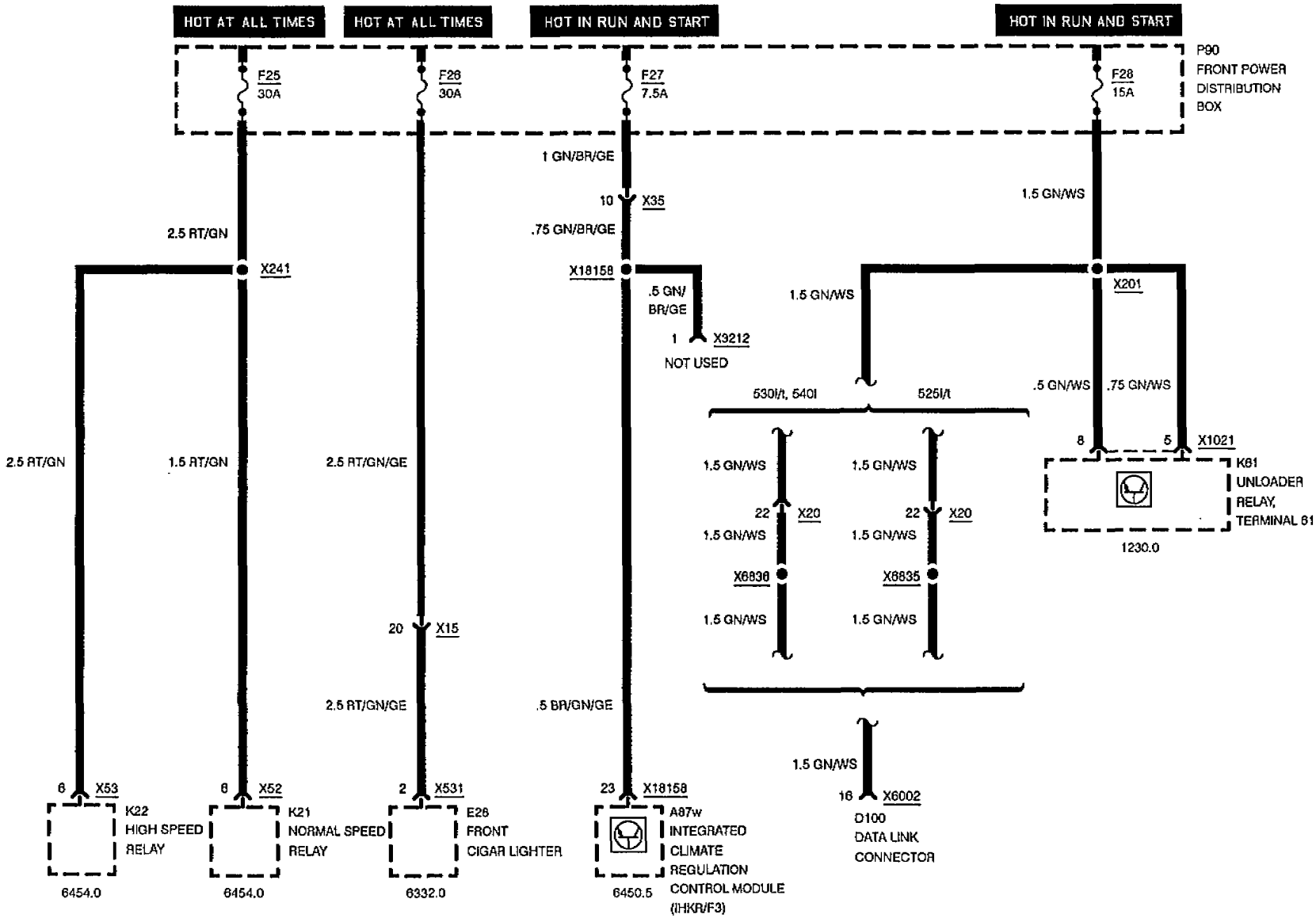
FUSES 22, 23, AND 24



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FUSE DETAILS

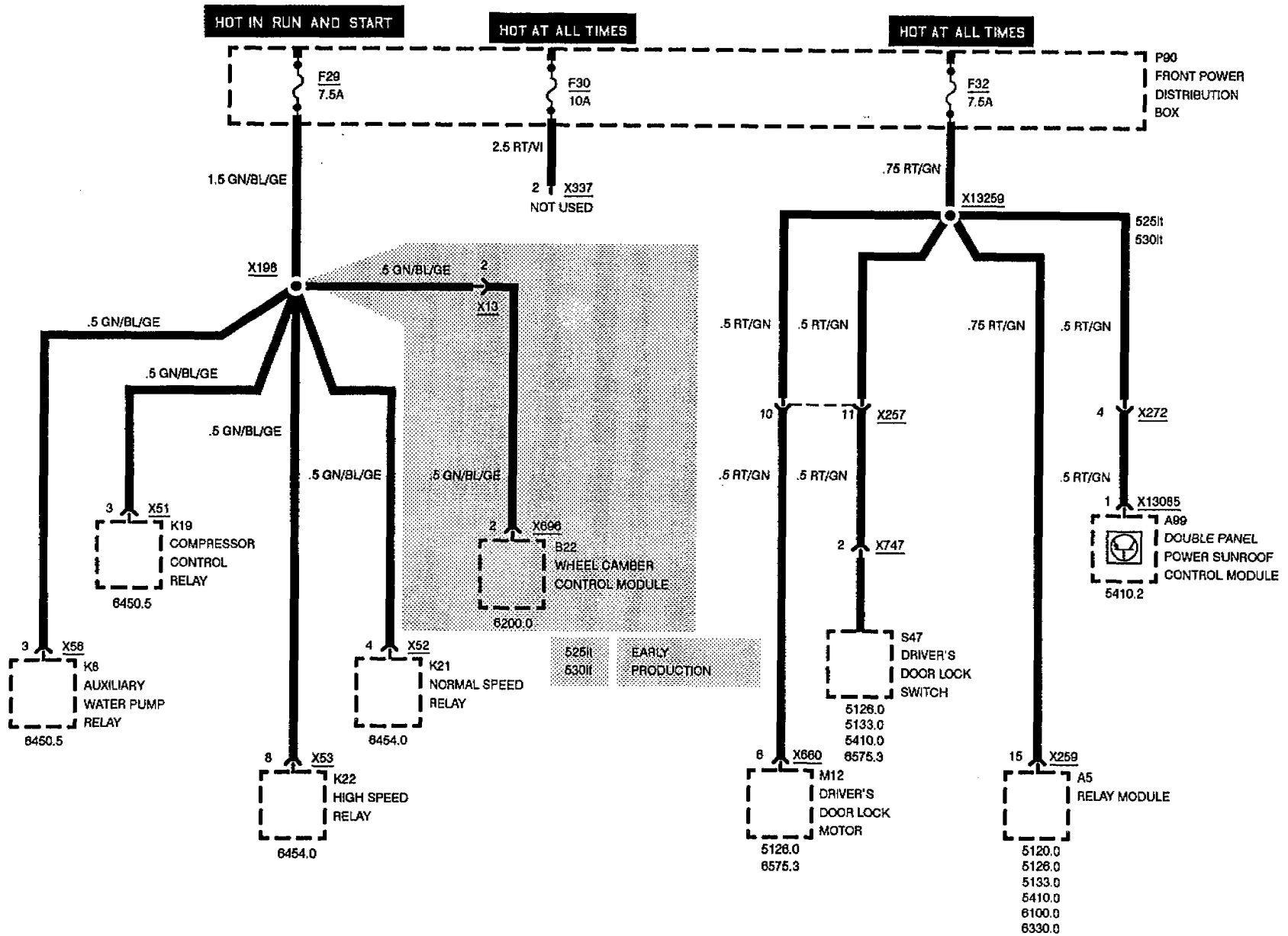
FUSES 25, 26, 27, AND 28



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FUSE DETAILS

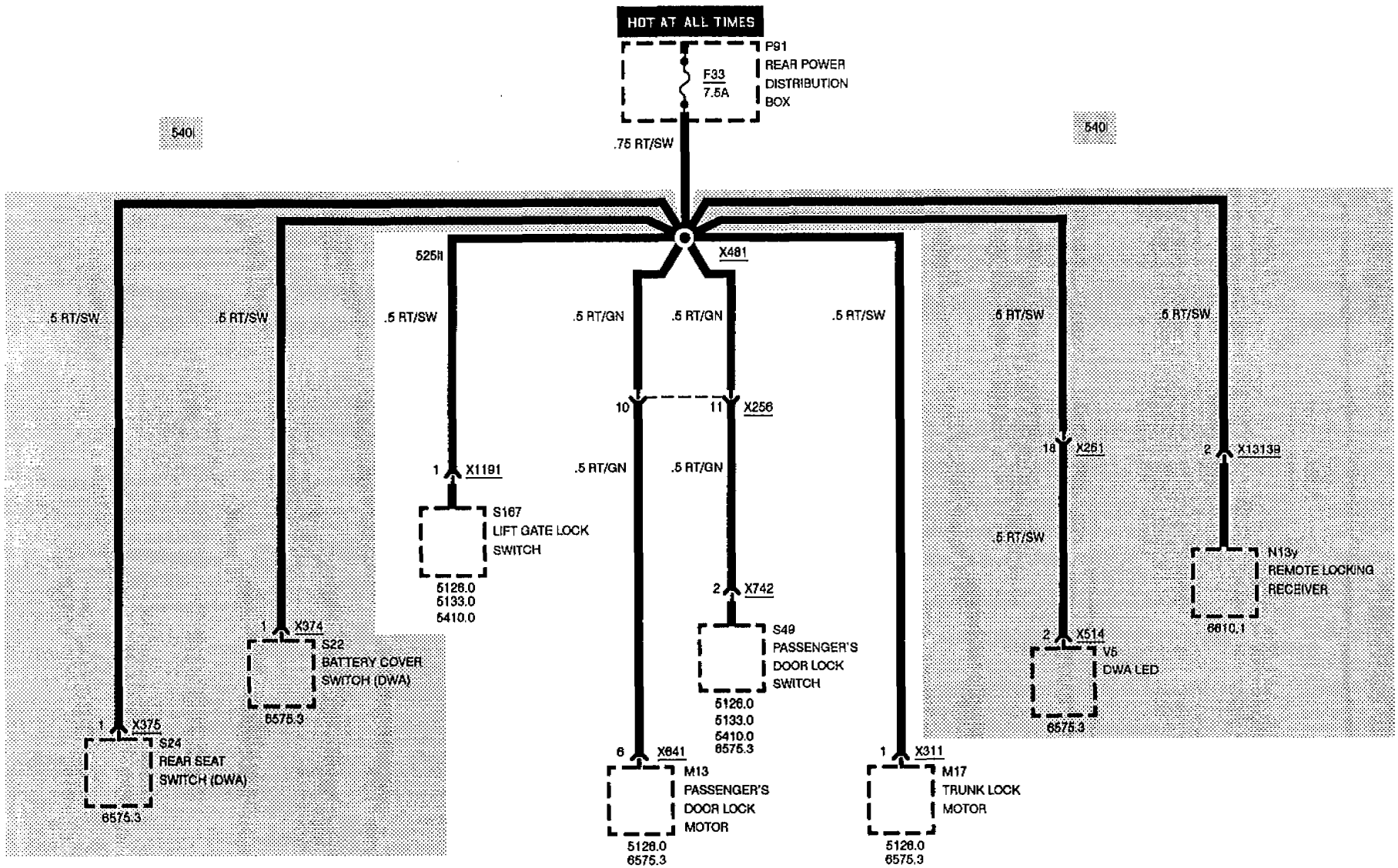
FUSES 29, 30, AND 32



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FUSE DETAILS

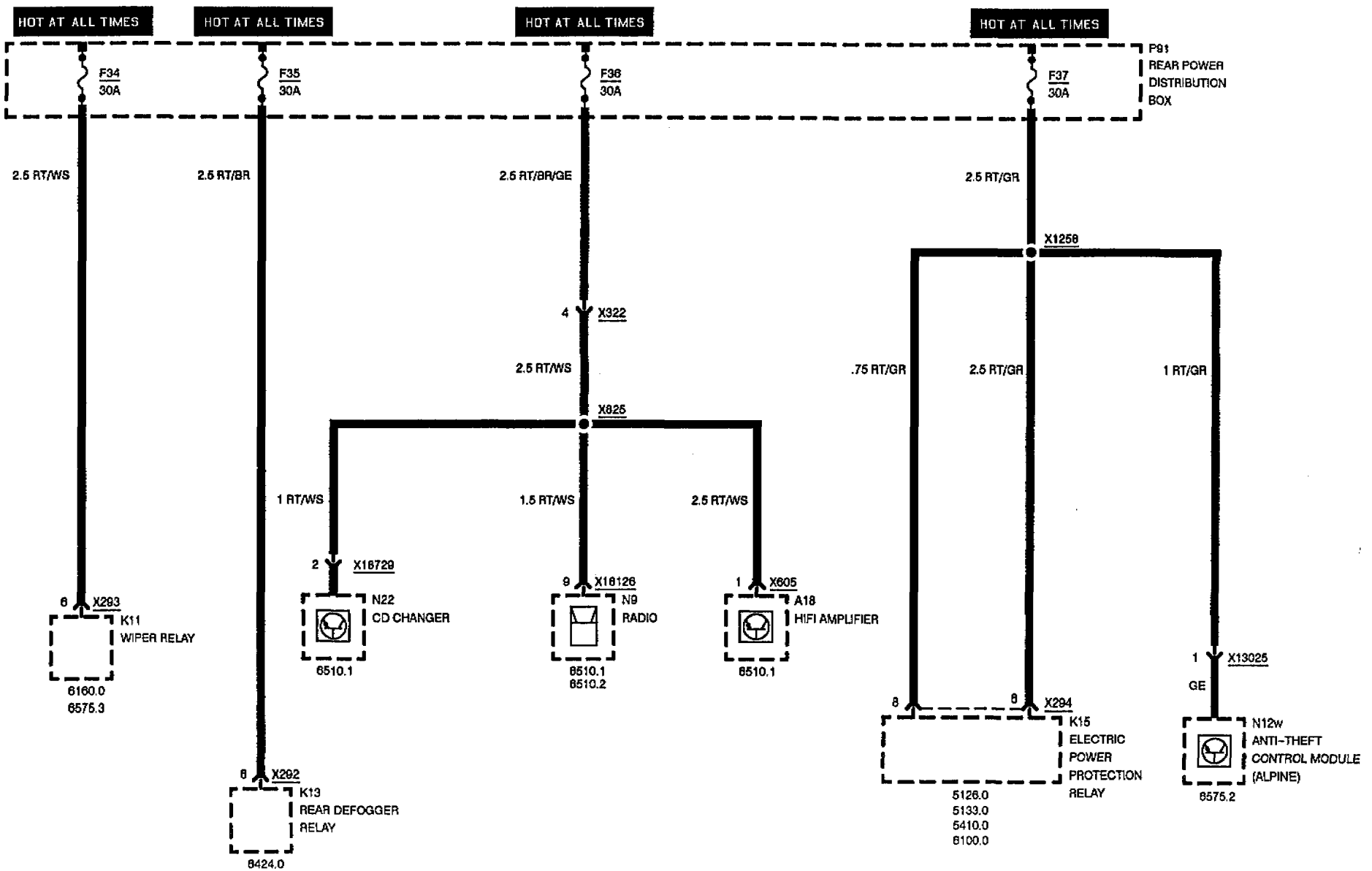
FUSE 33



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FUSE DETAILS

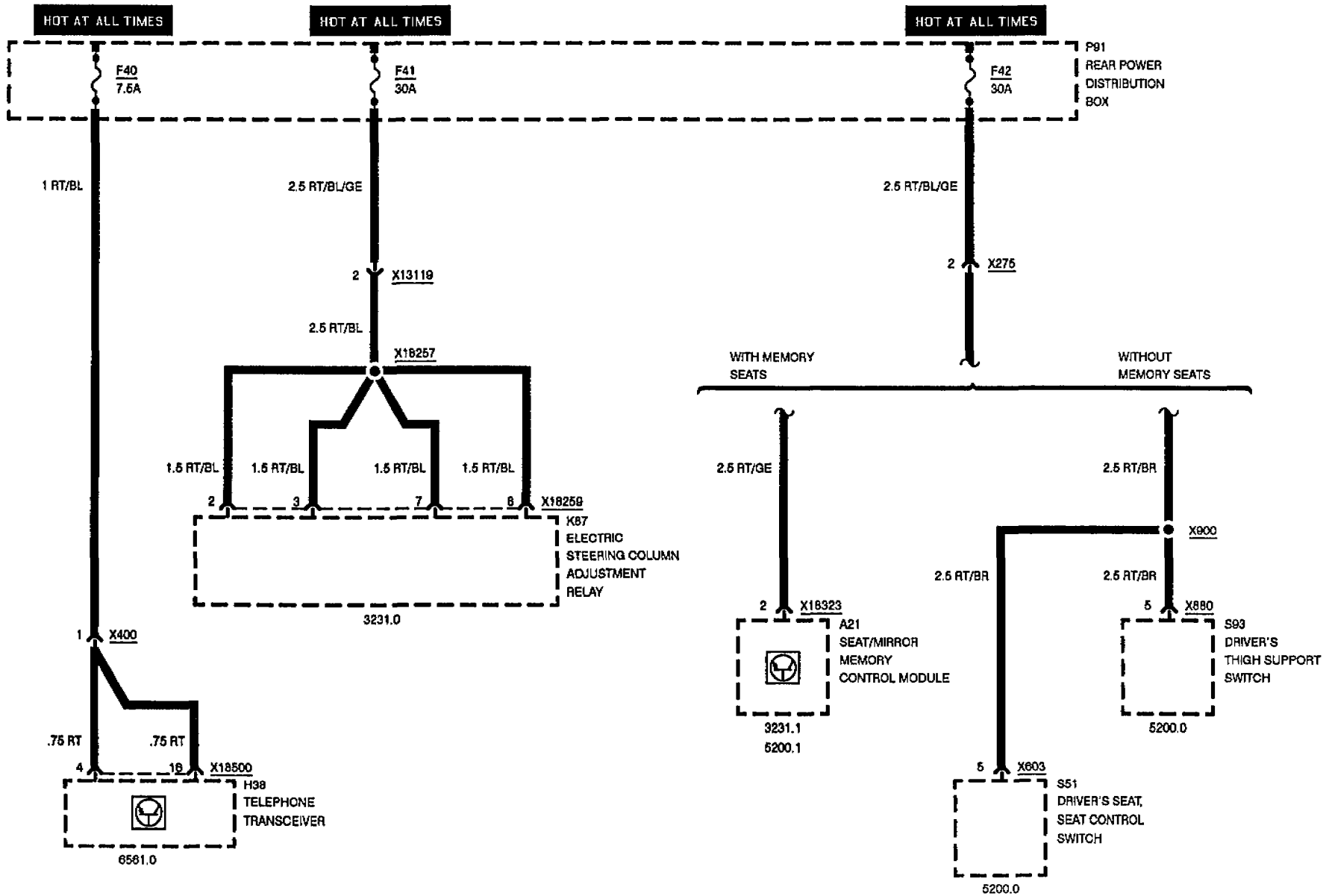
FUSES 34, 35, 36, AND 37



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FUSE DETAILS

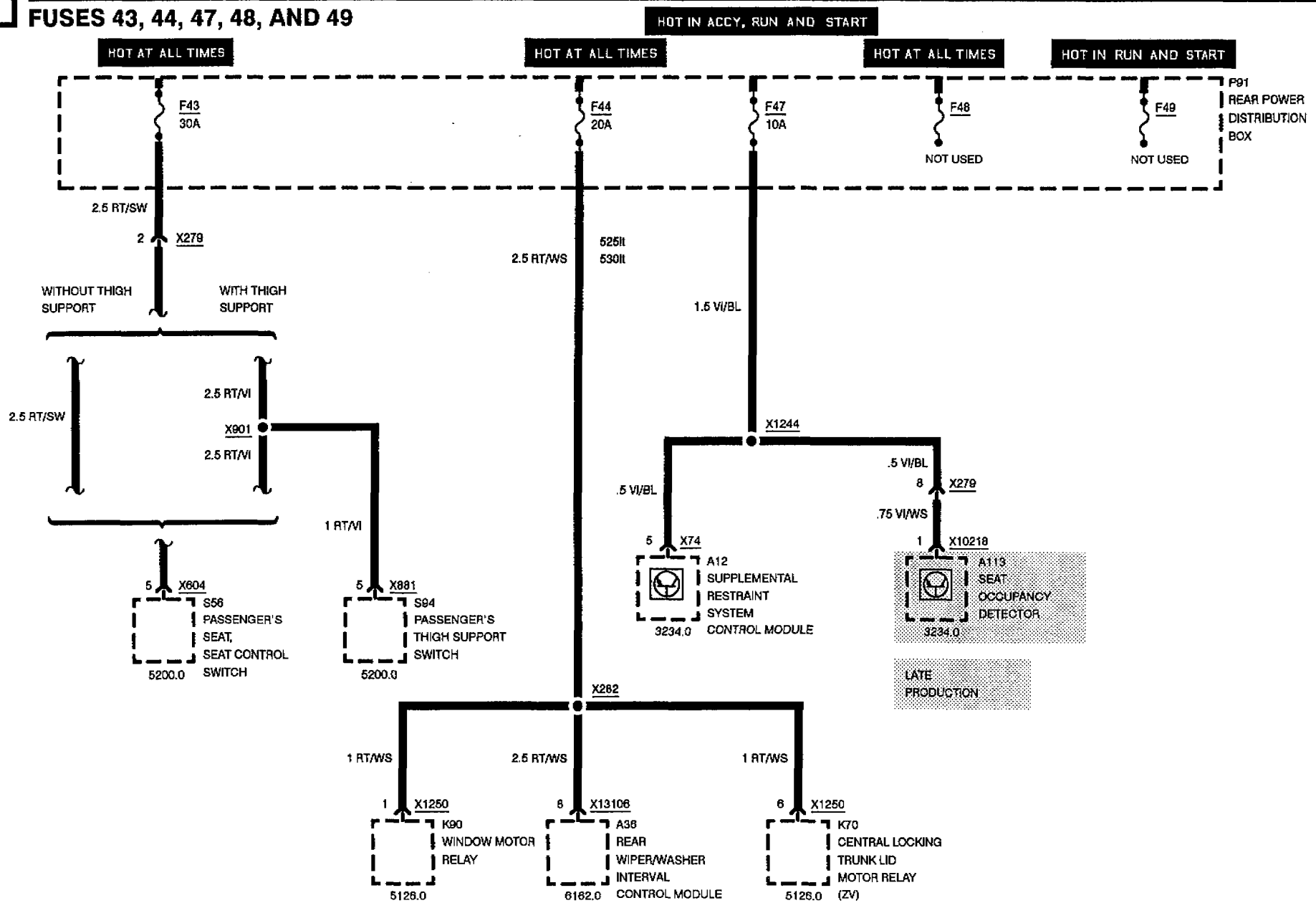
FUSES 40, 41, AND 42



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FUSE DETAILS

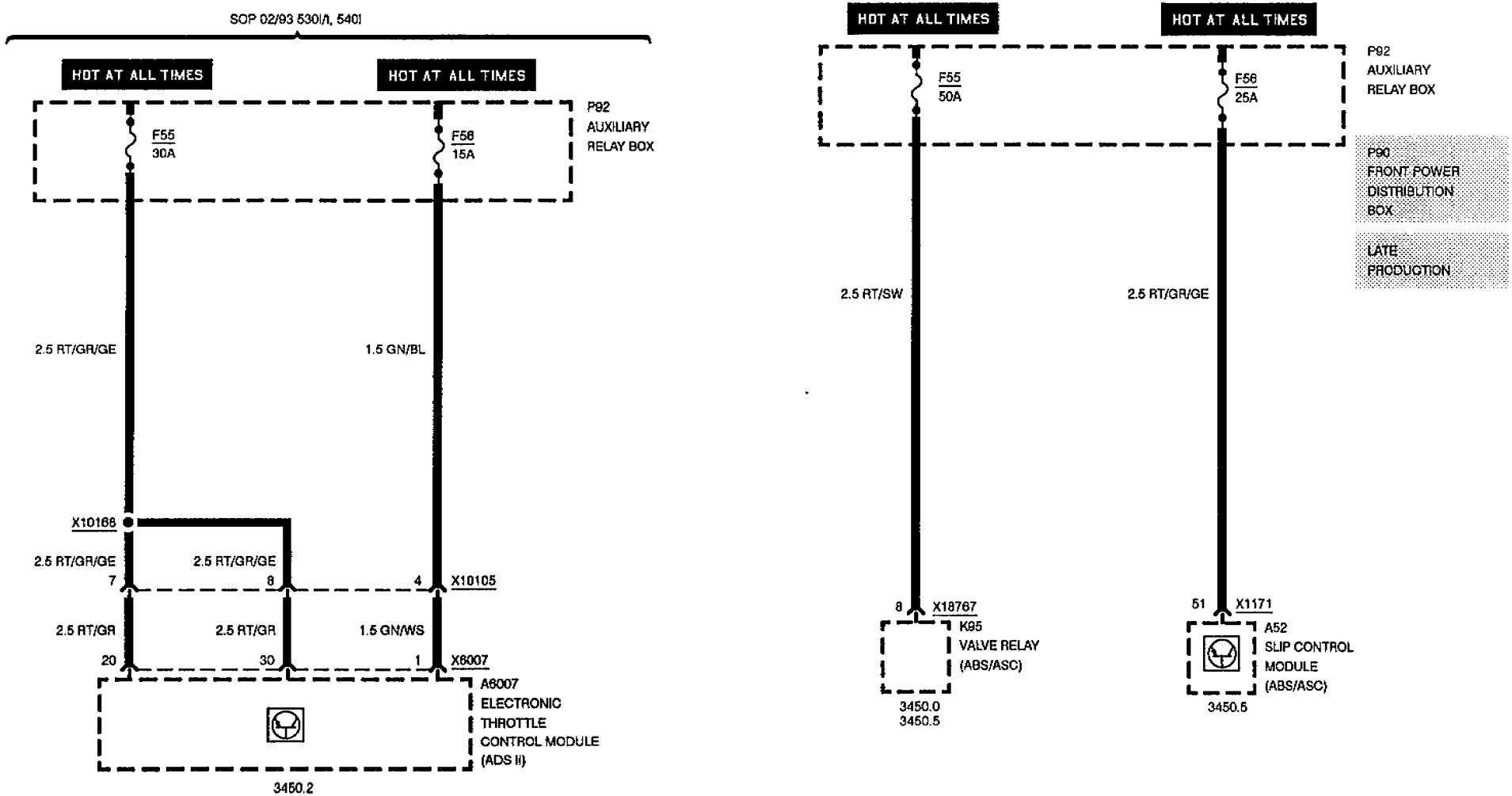
FUSES 43, 44, 47, 48, AND 49



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FUSE DETAILS

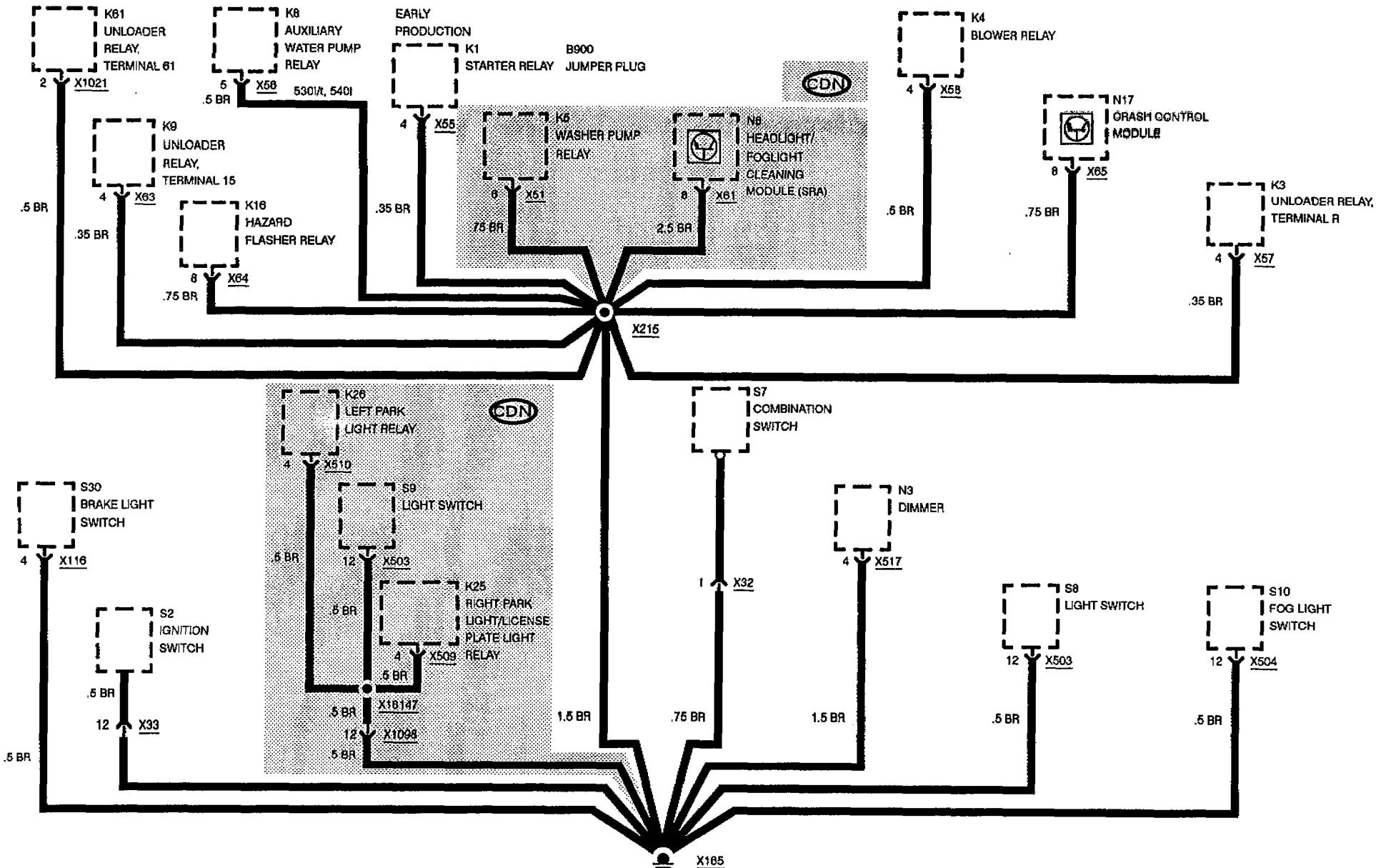
FUSES 55 AND 56



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GROUND DISTRIBUTION

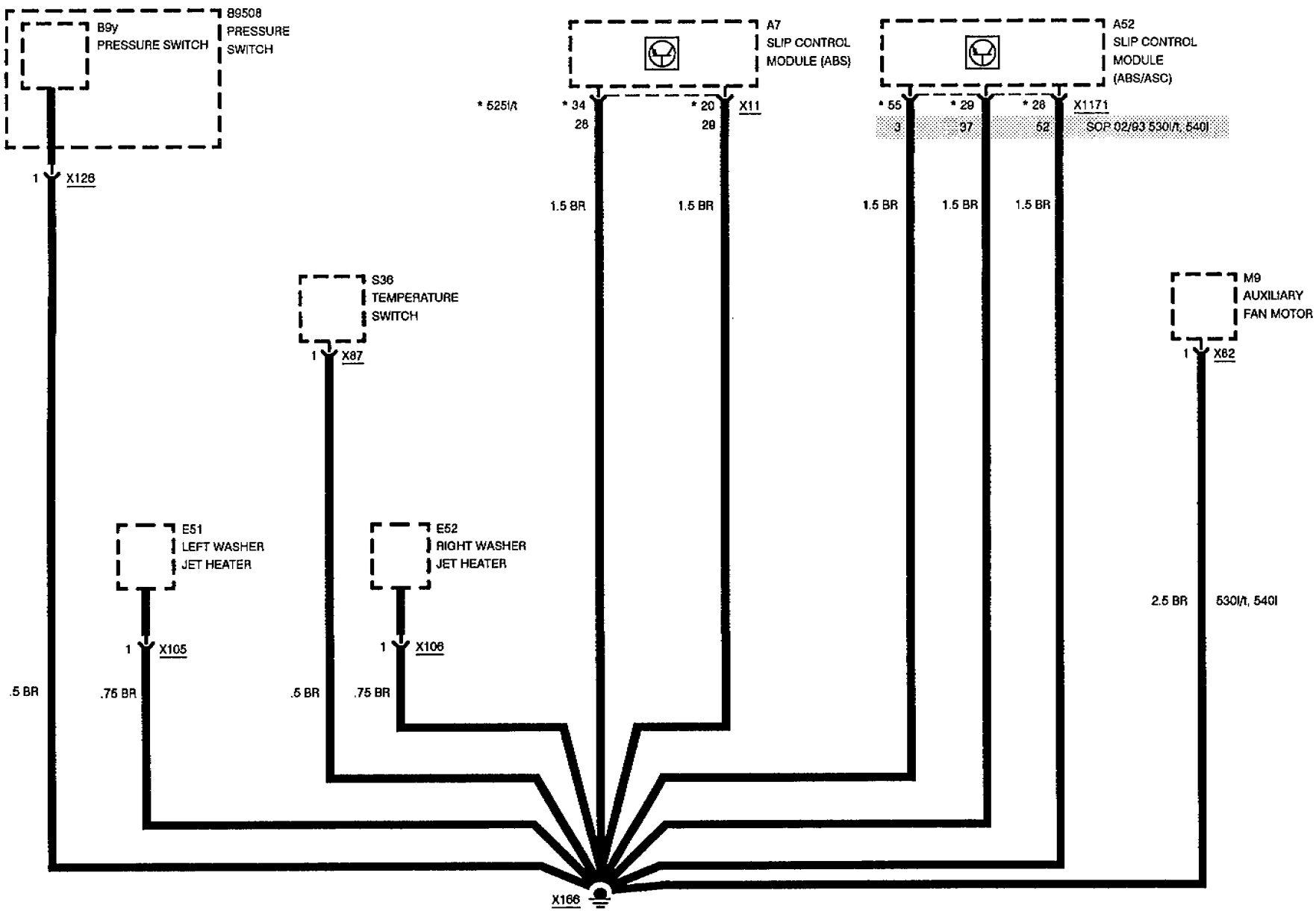
GROUND X165



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GROUND DISTRIBUTION

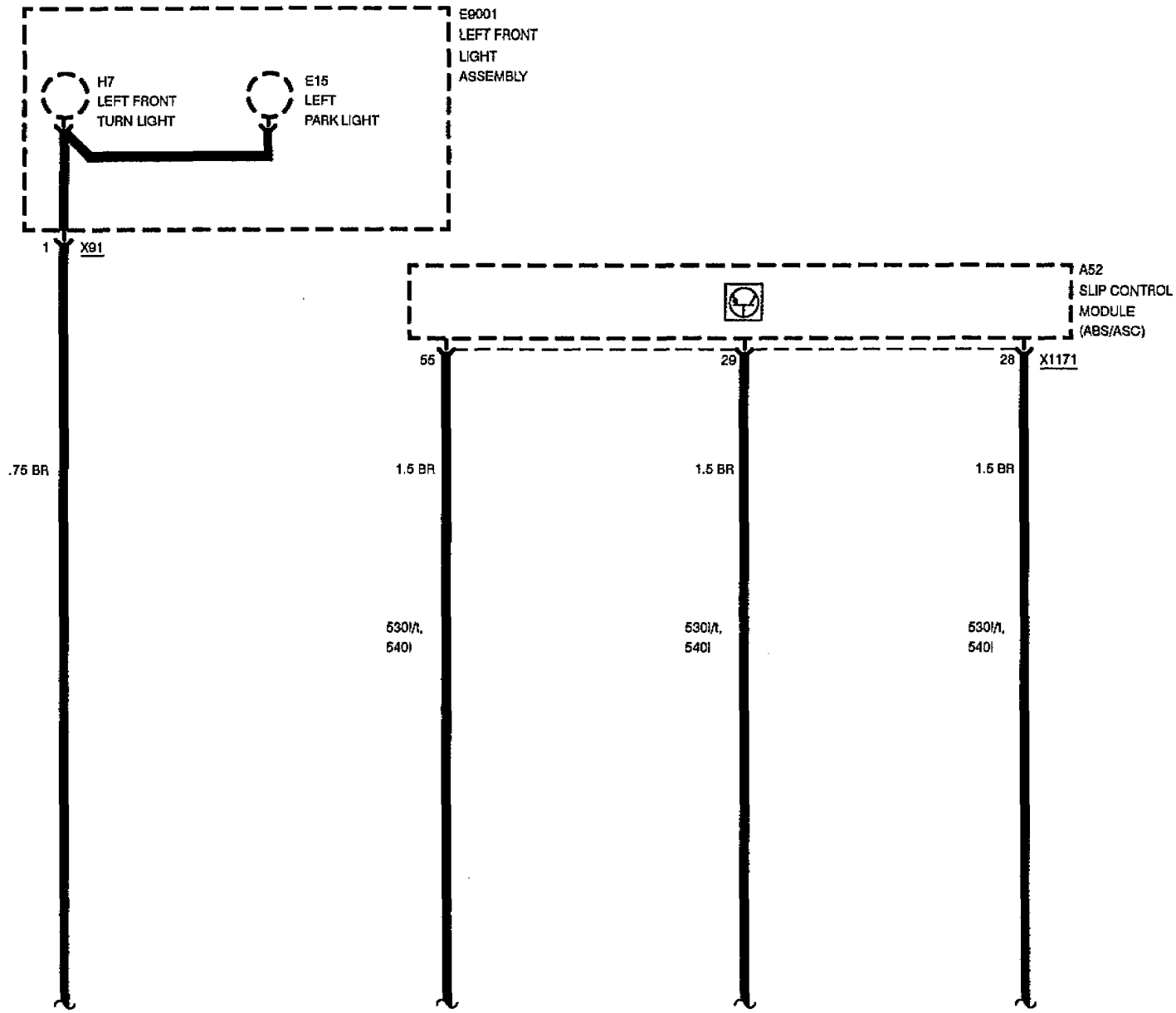
GROUND X166



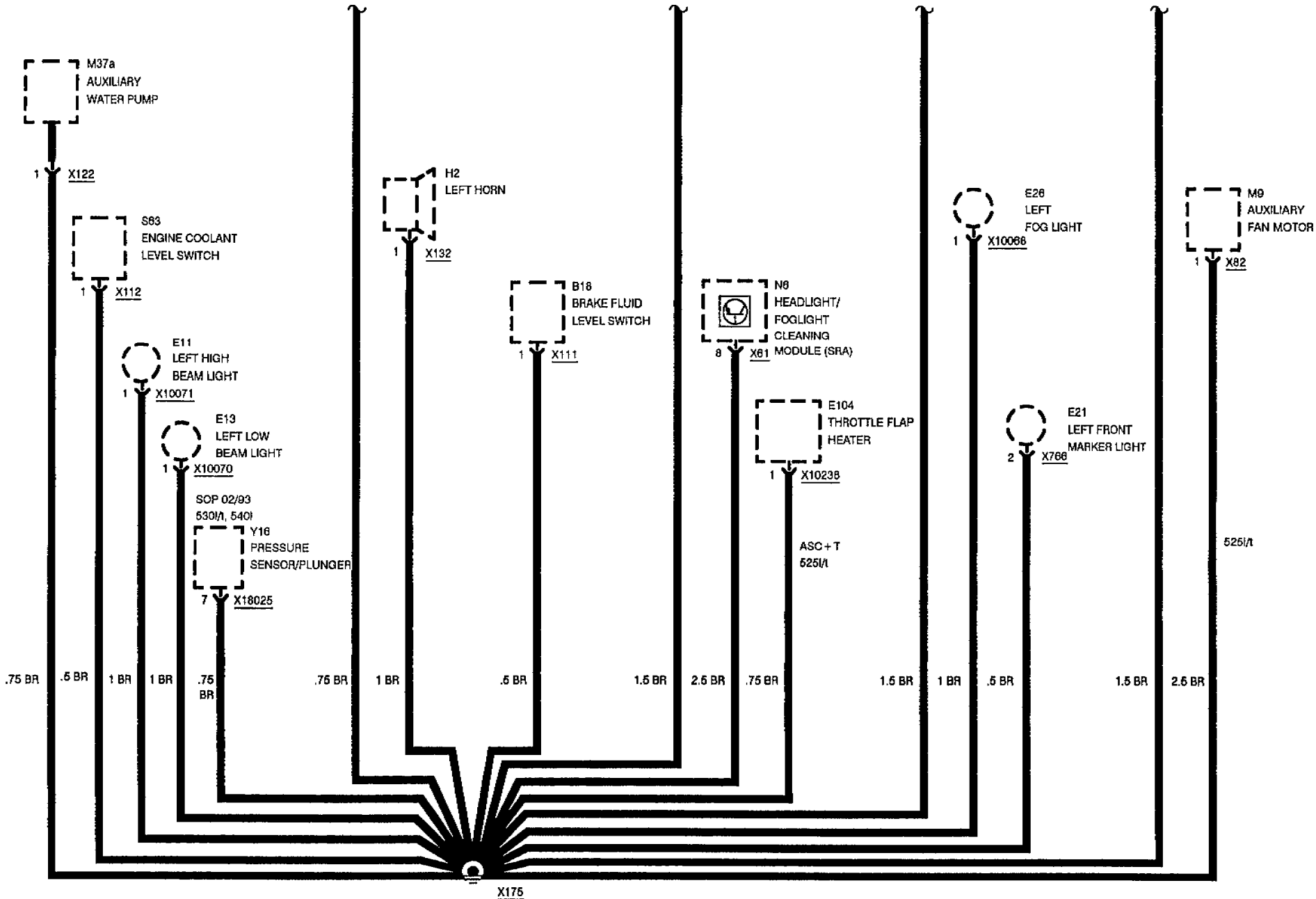
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GROUND DISTRIBUTION

GROUND X175



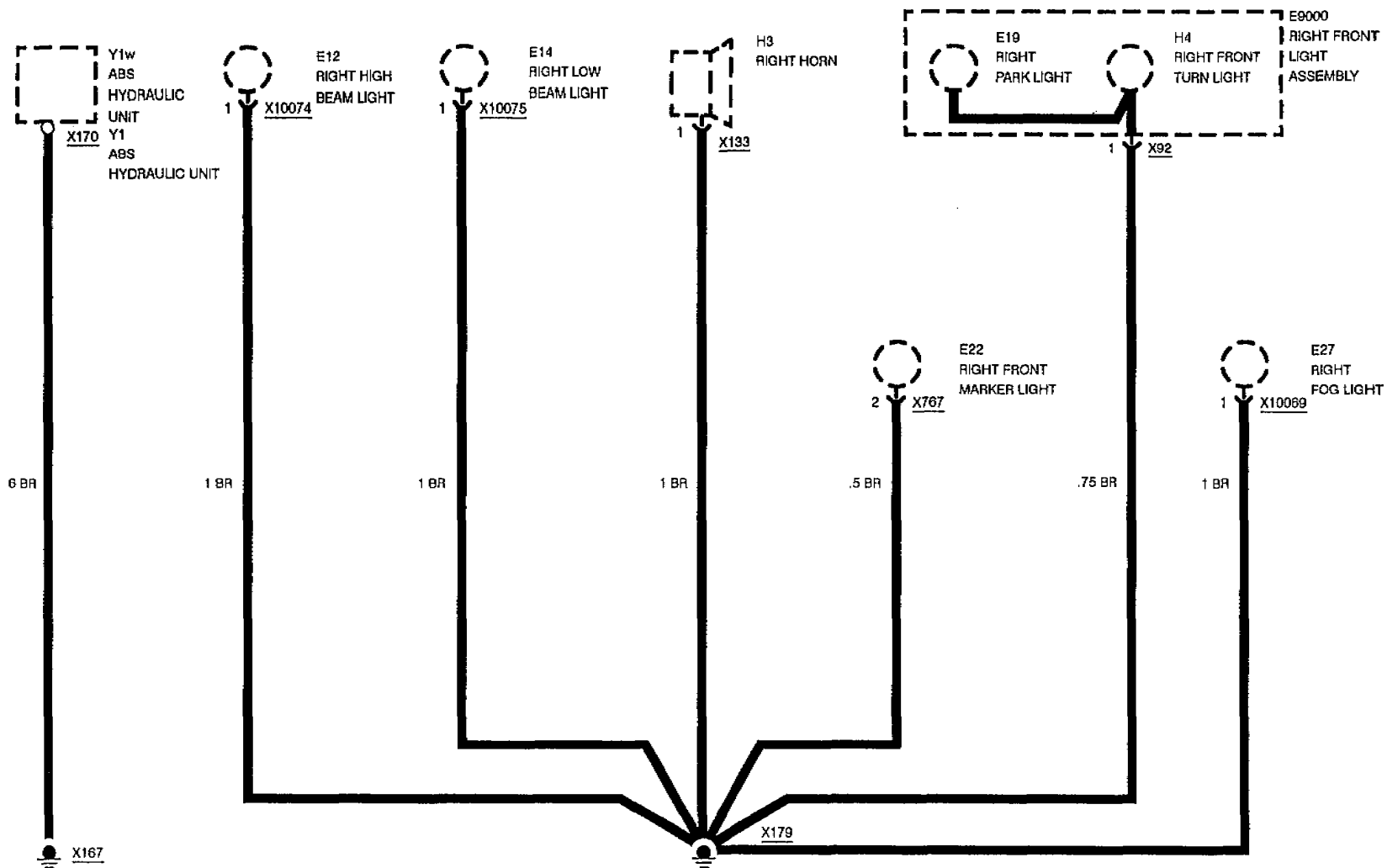
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GROUND DISTRIBUTION

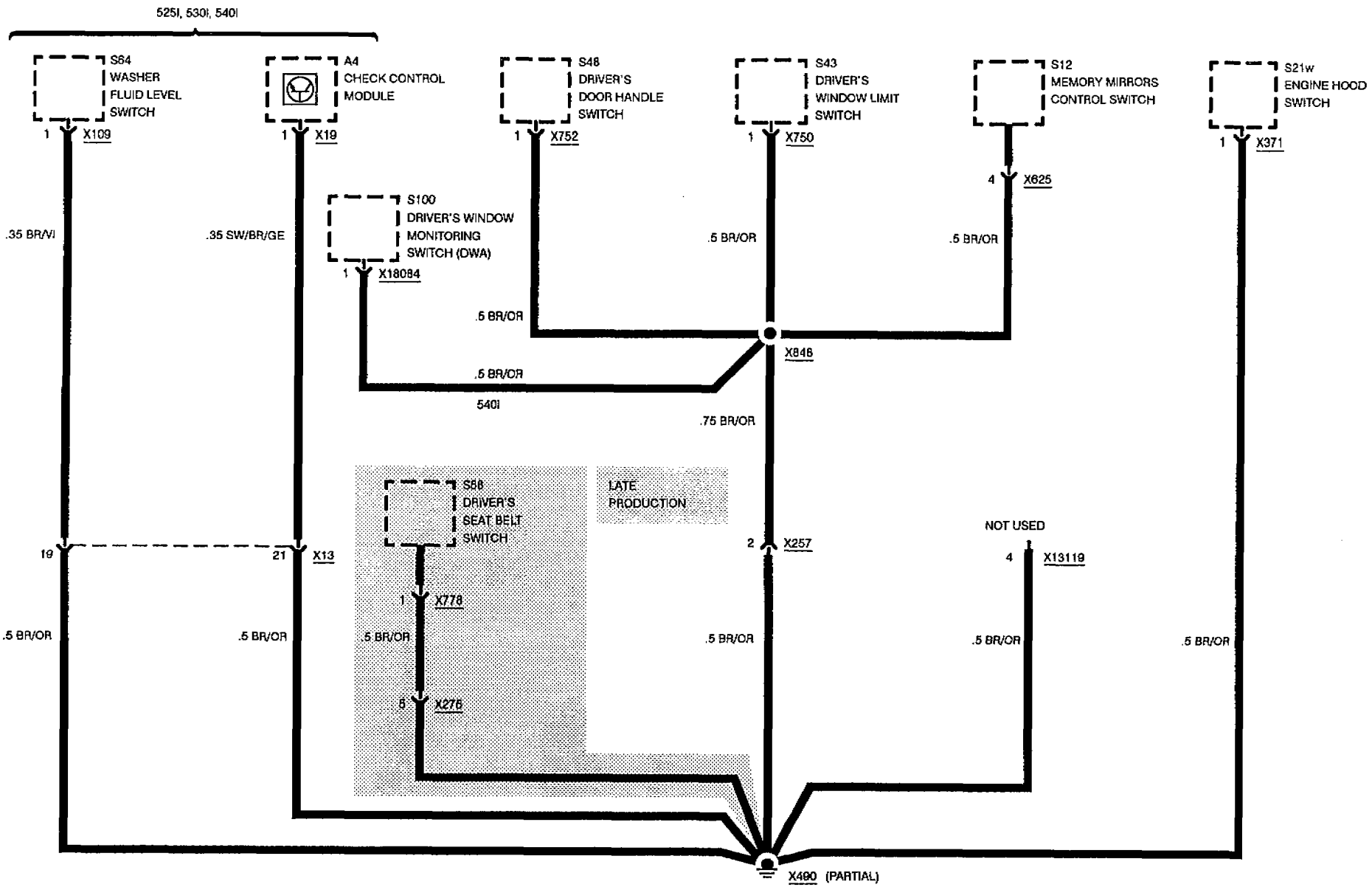
GROUNDS X167 AND X179



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GROUND DISTRIBUTION

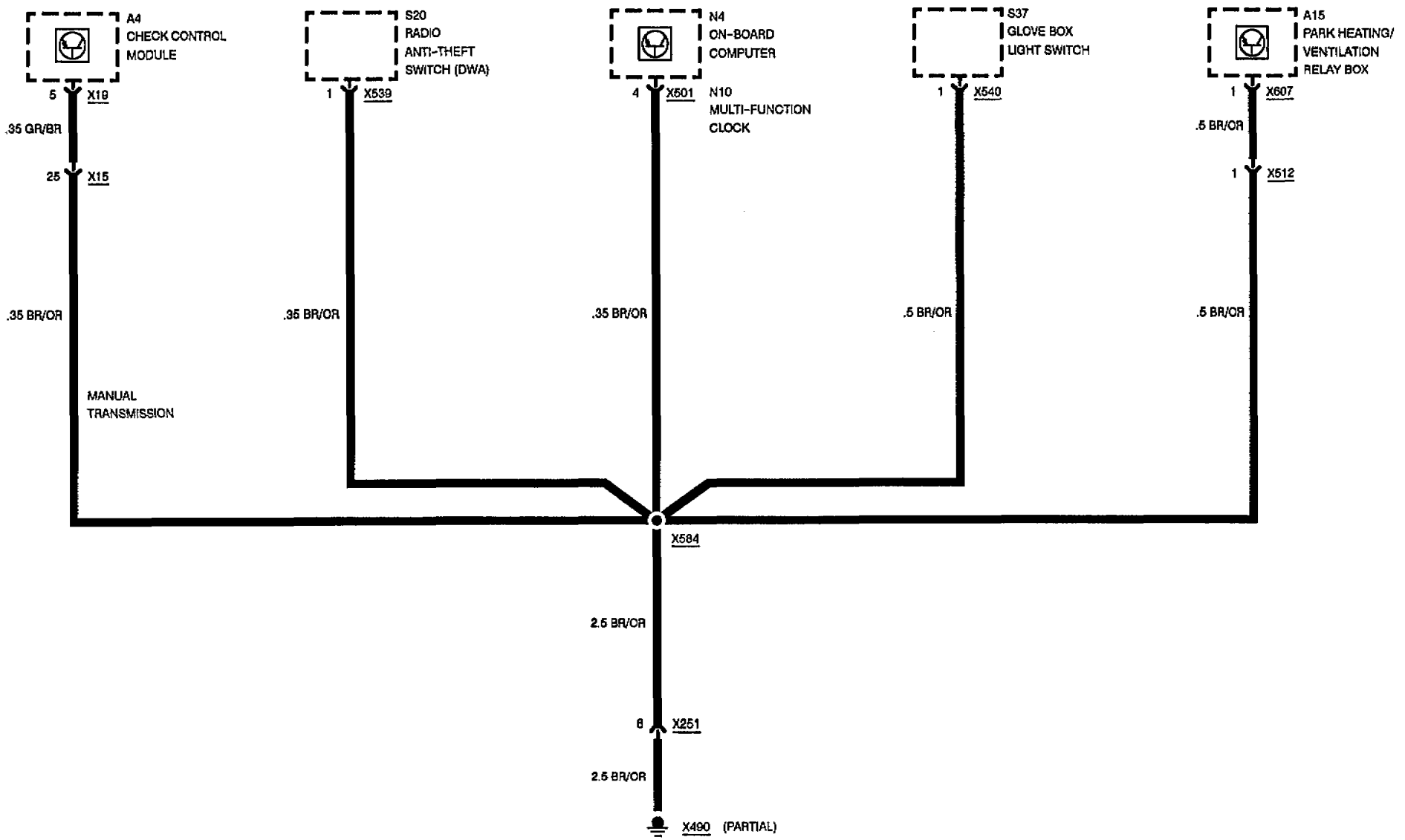
GROUND X490



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GROUND DISTRIBUTION

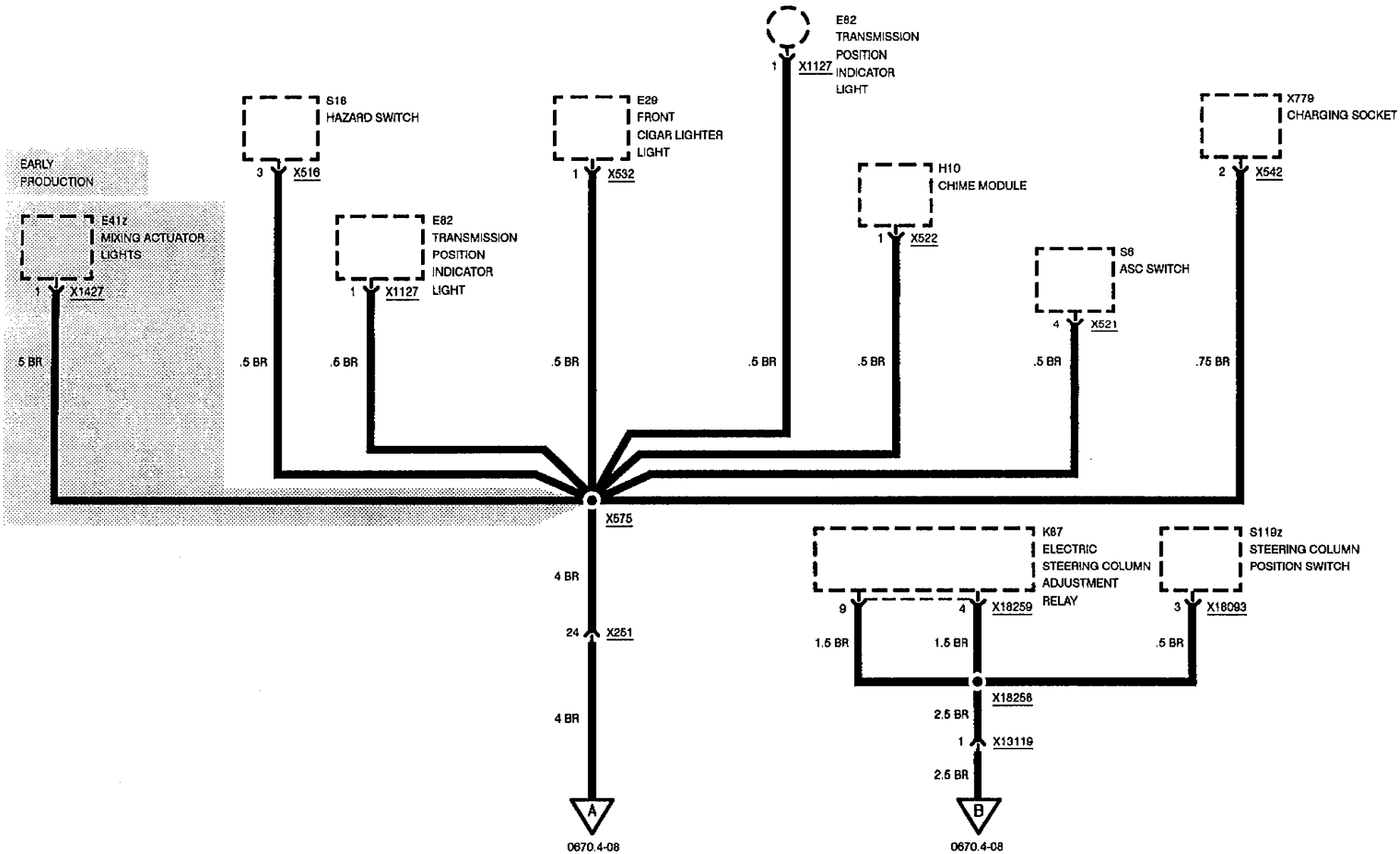
GROUND X490



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GROUND DISTRIBUTION

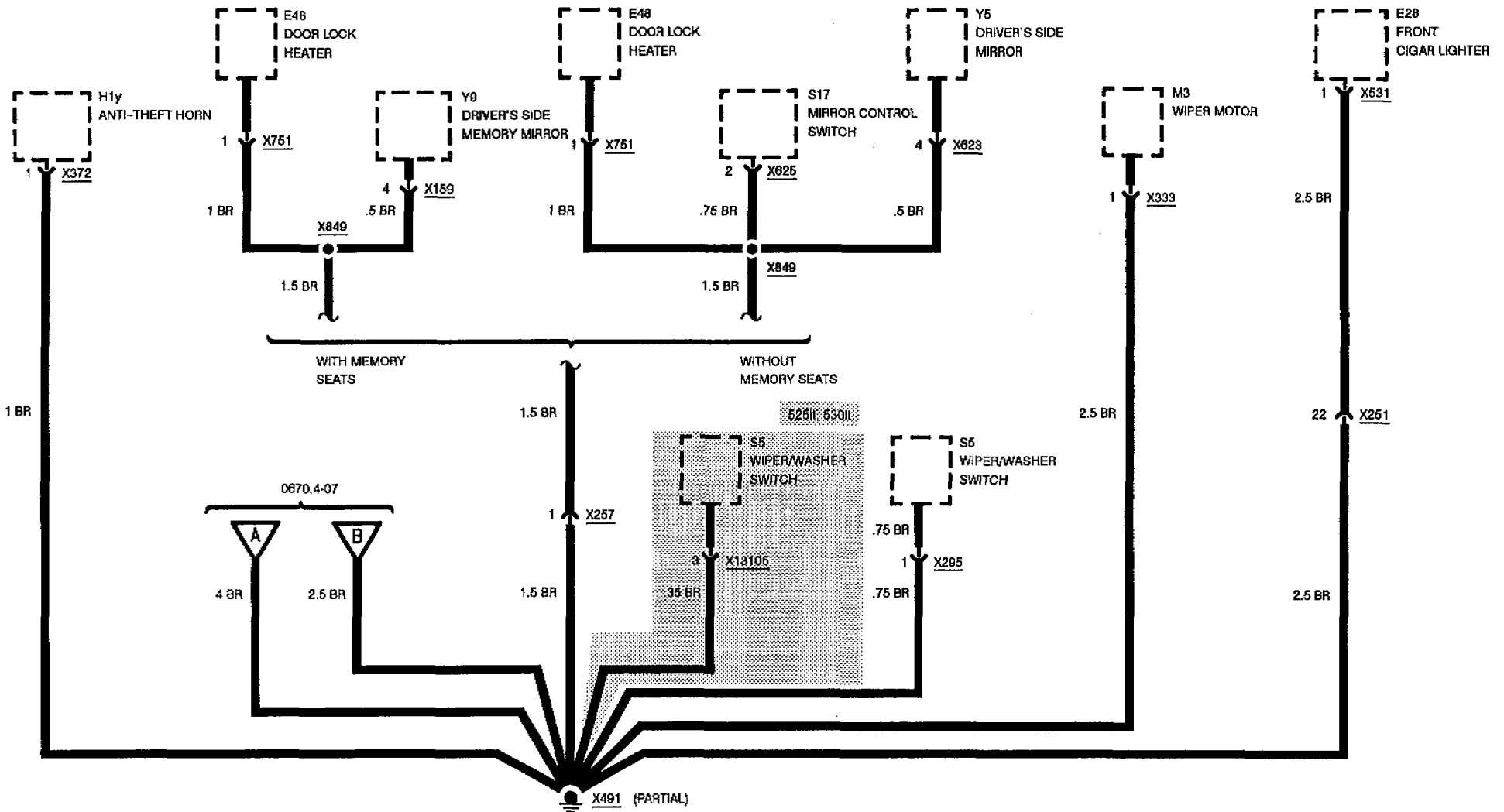
GROUND X491



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GROUND DISTRIBUTION

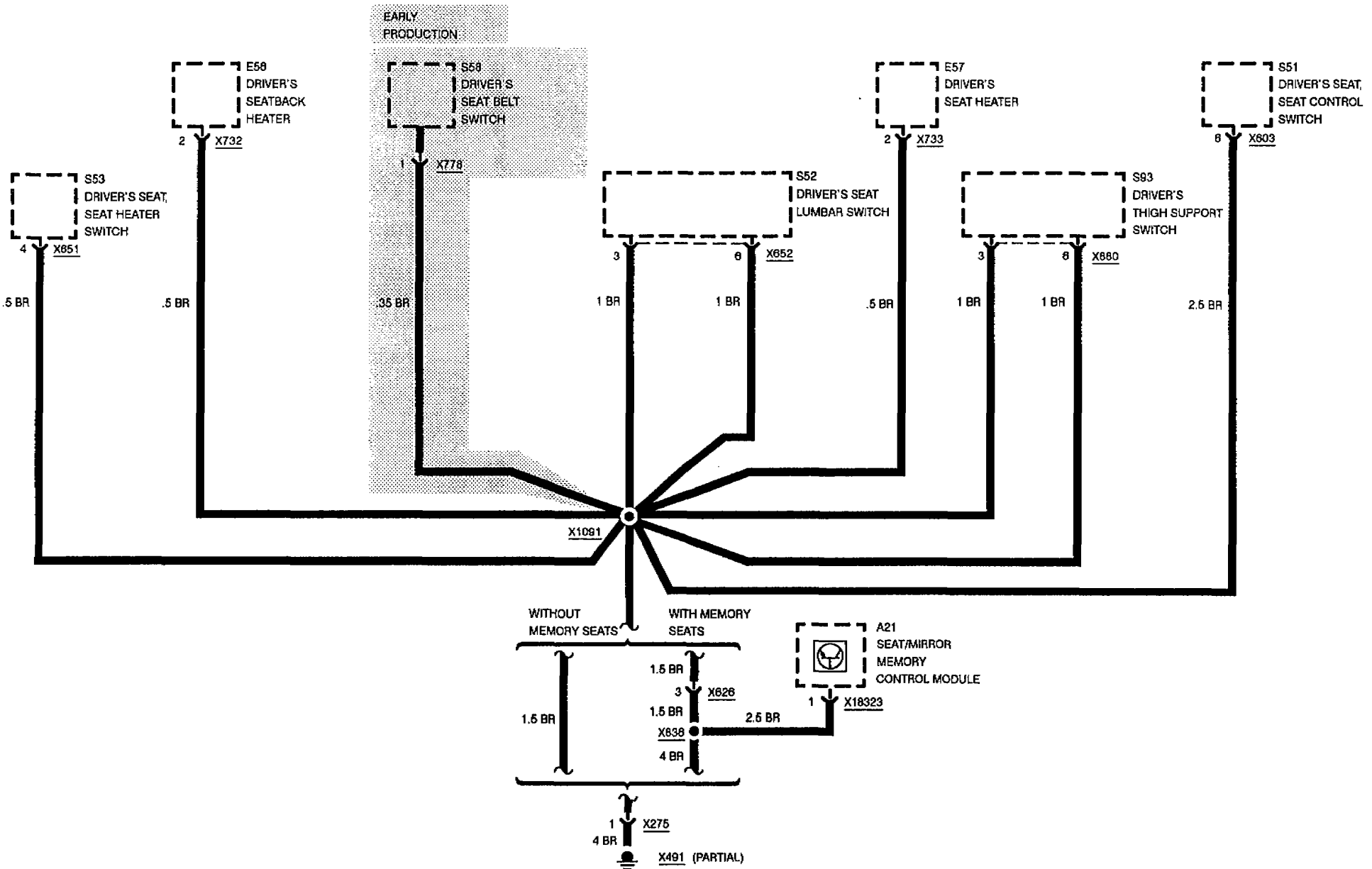
GROUND X491



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GROUND DISTRIBUTION

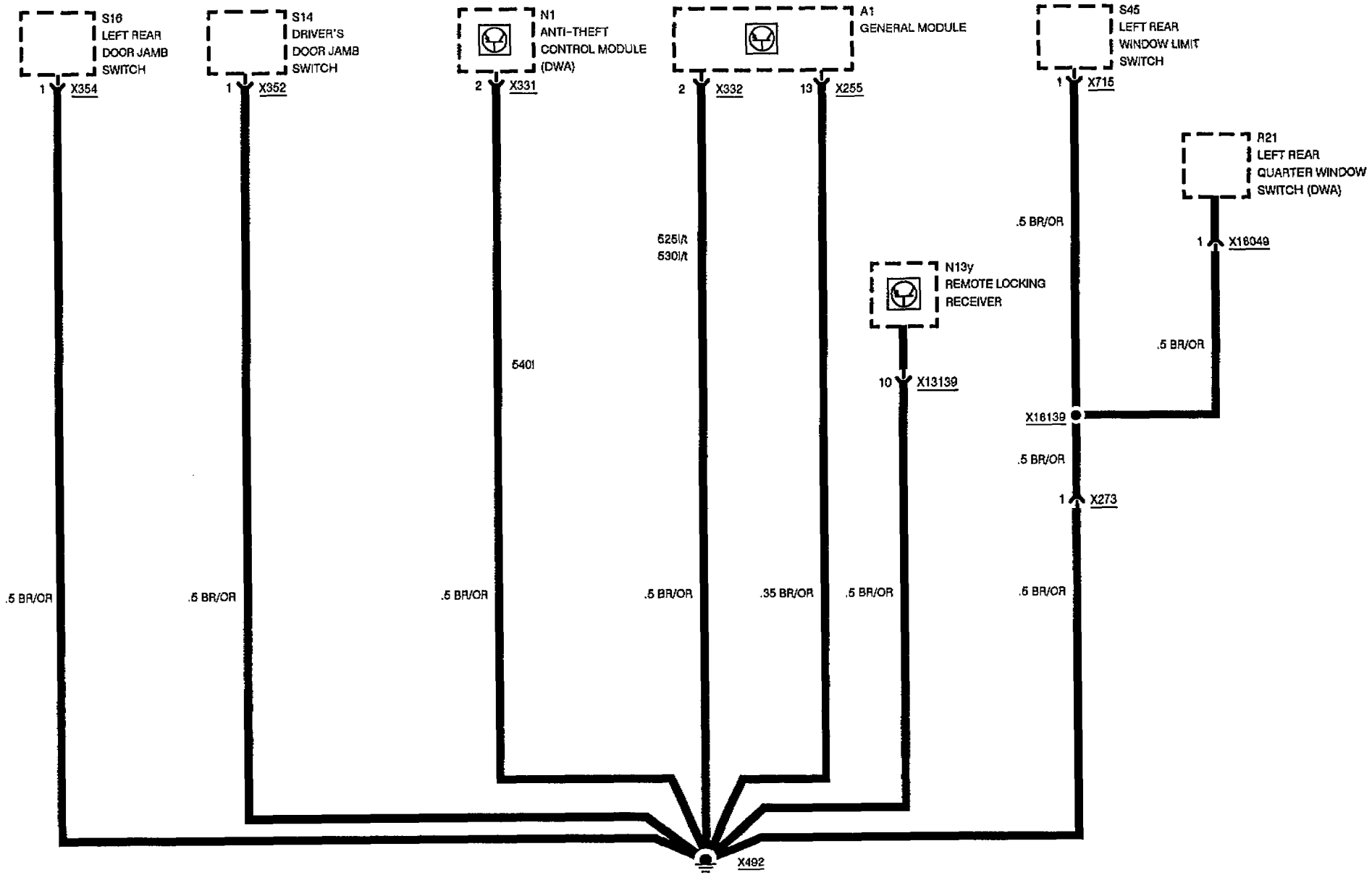
GROUND X491



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GROUND DISTRIBUTION

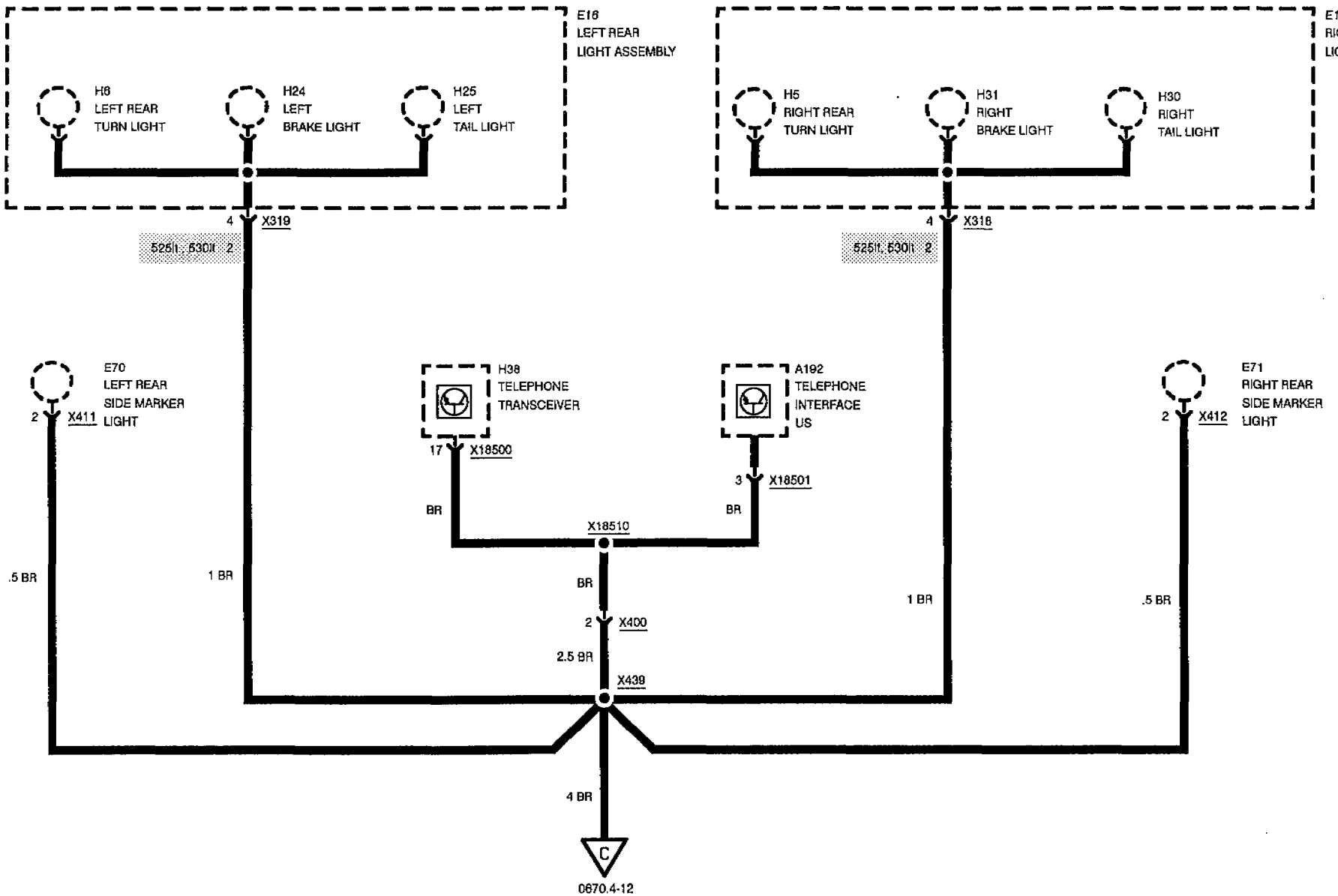
GROUND X492



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GROUND DISTRIBUTION

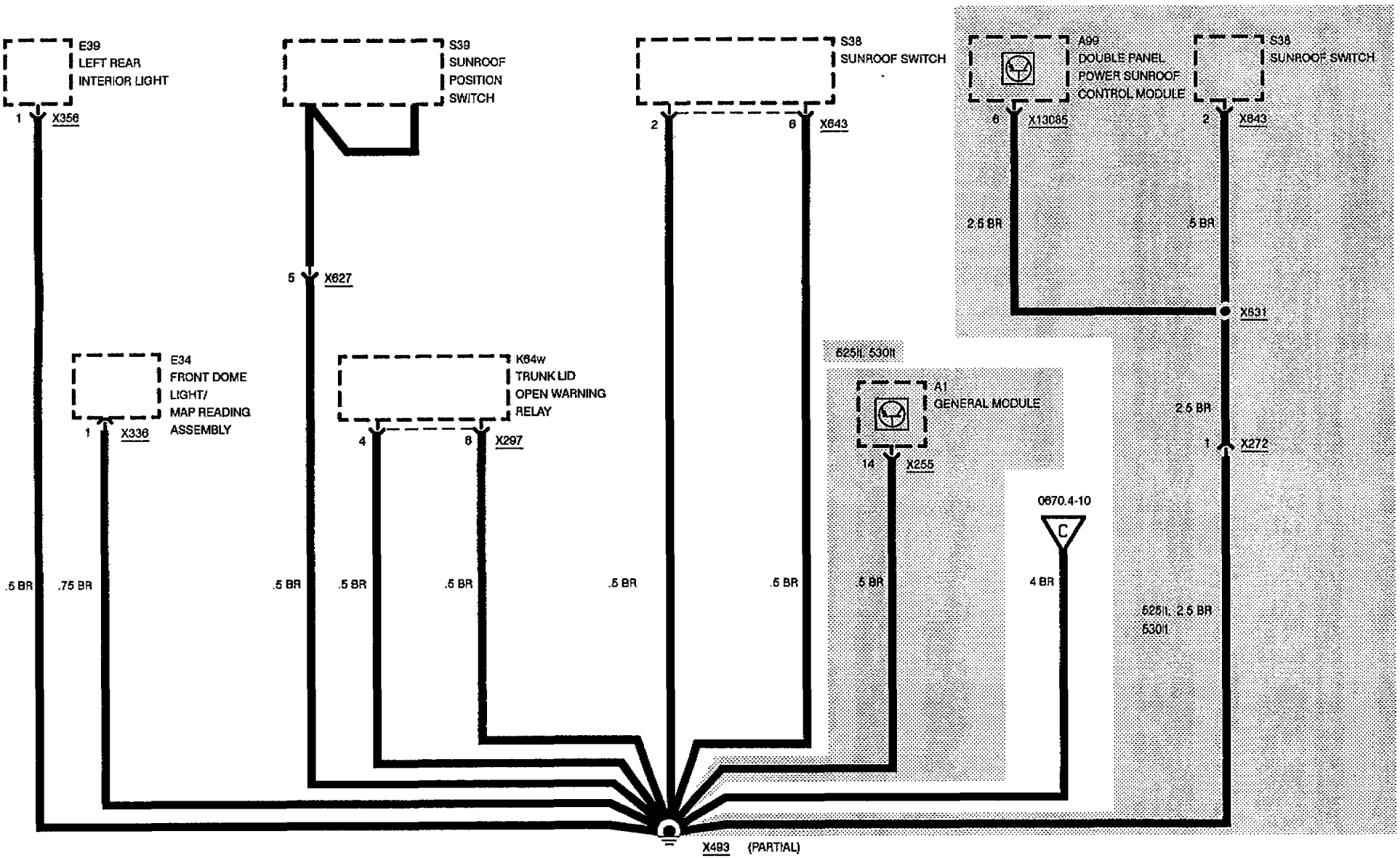
GROUND X493



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GROUND DISTRIBUTION

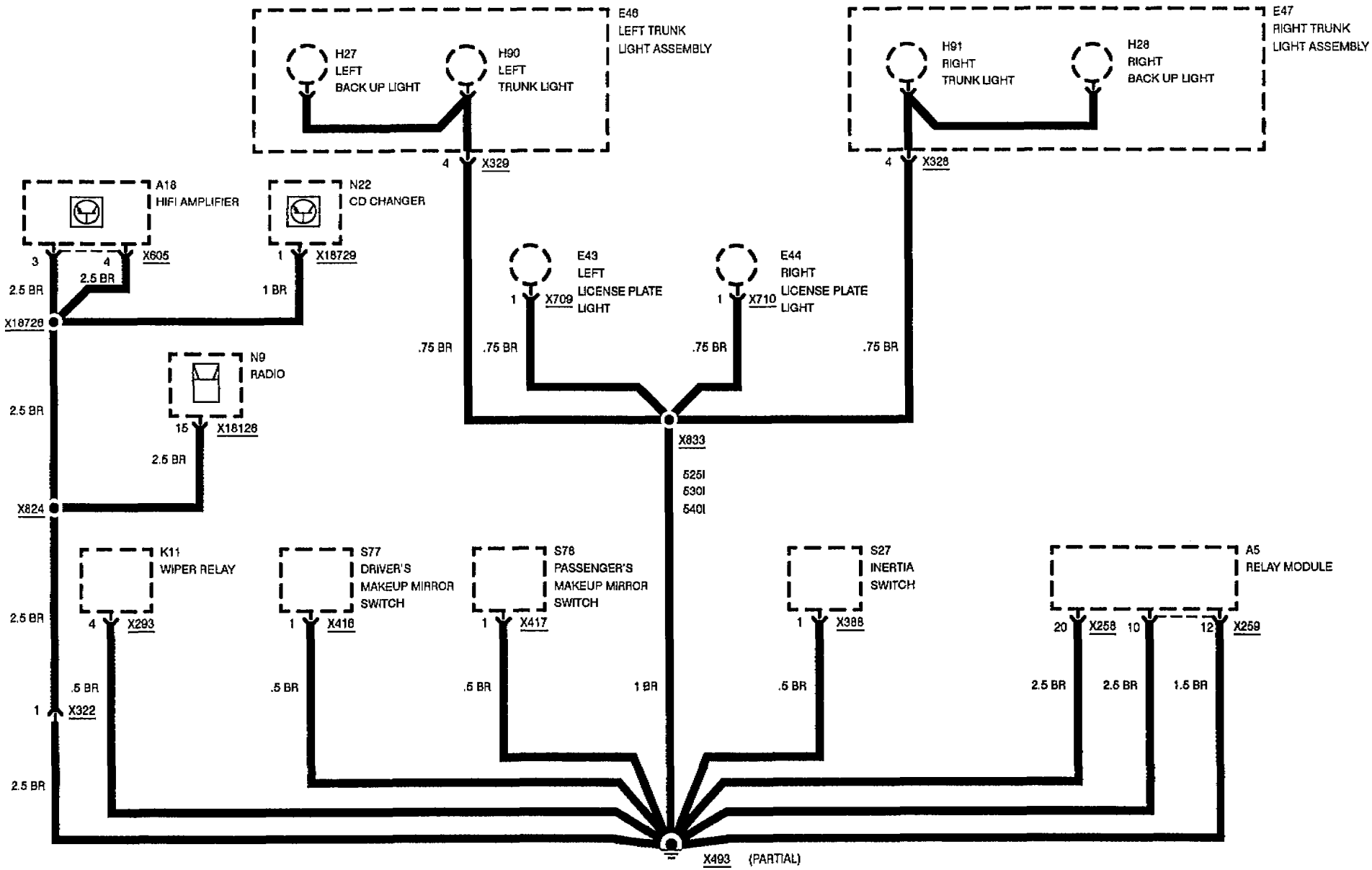
GROUND X493



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GROUND DISTRIBUTION

GROUND X493

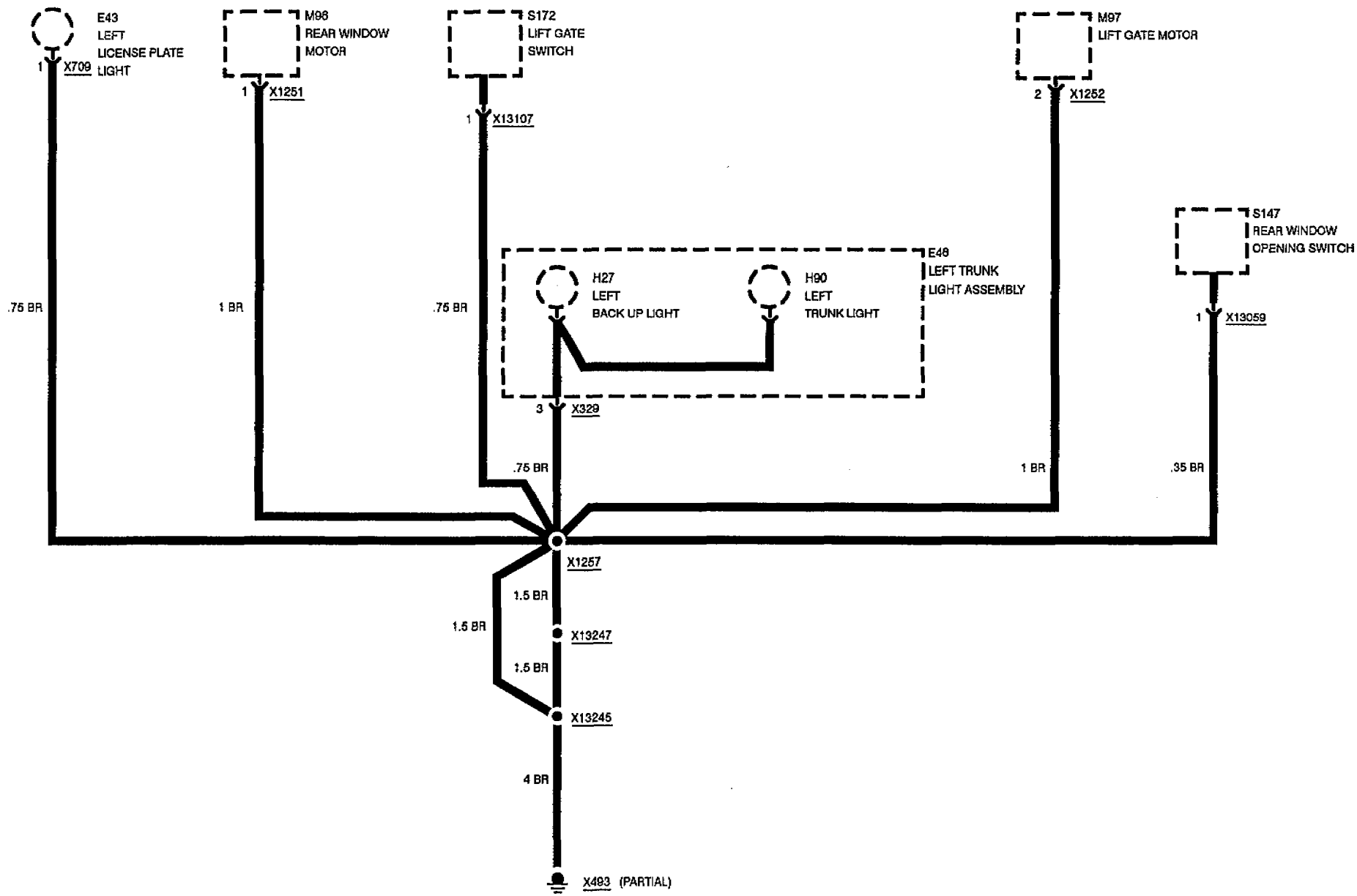


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GROUND DISTRIBUTION

525it, 530it

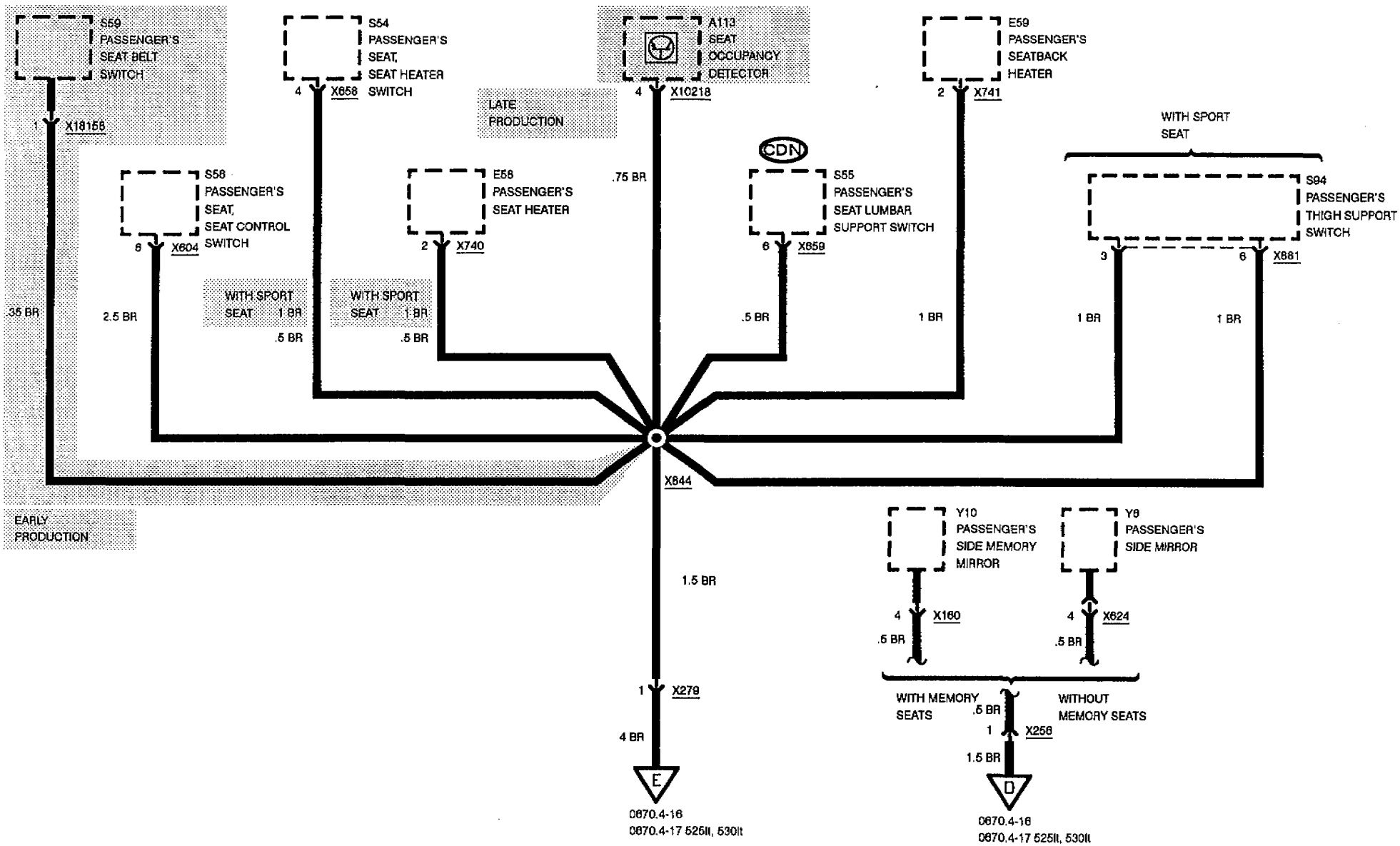
GROUND X493



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GROUND DISTRIBUTION

GROUND X495

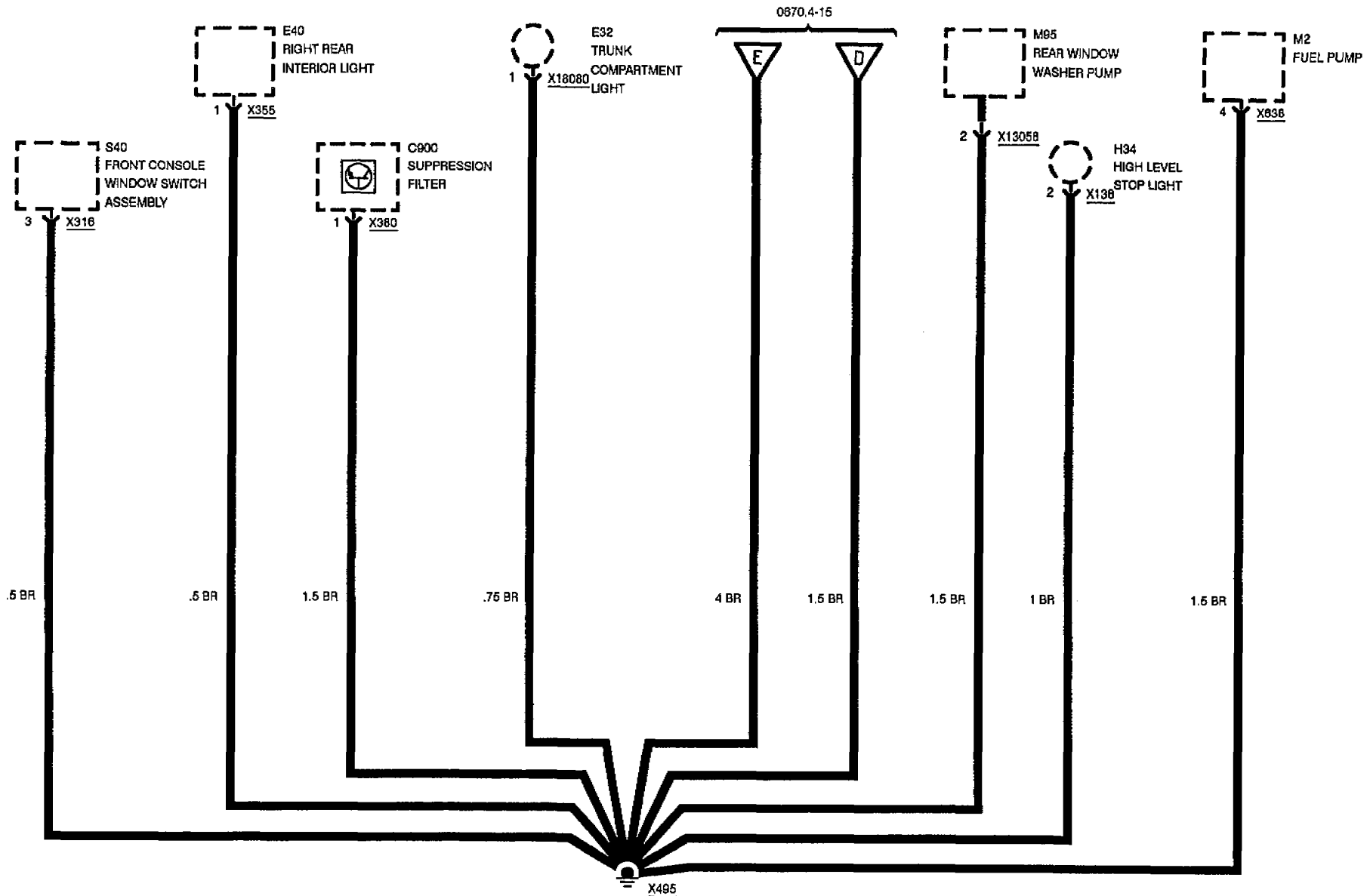


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GROUND DISTRIBUTION

GROUND X495

525i, 530i, 540i

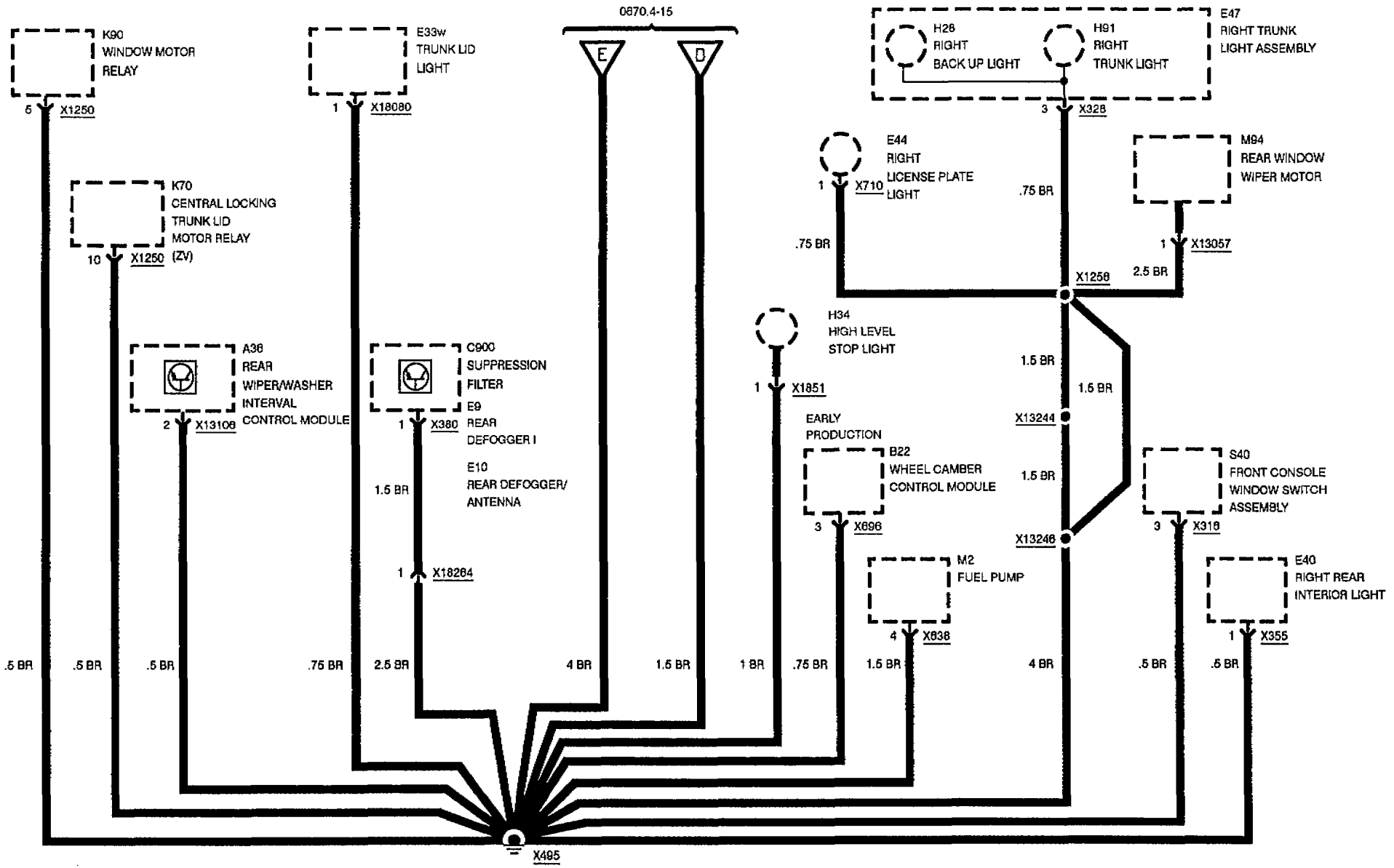


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GROUND DISTRIBUTION

525it, 530it

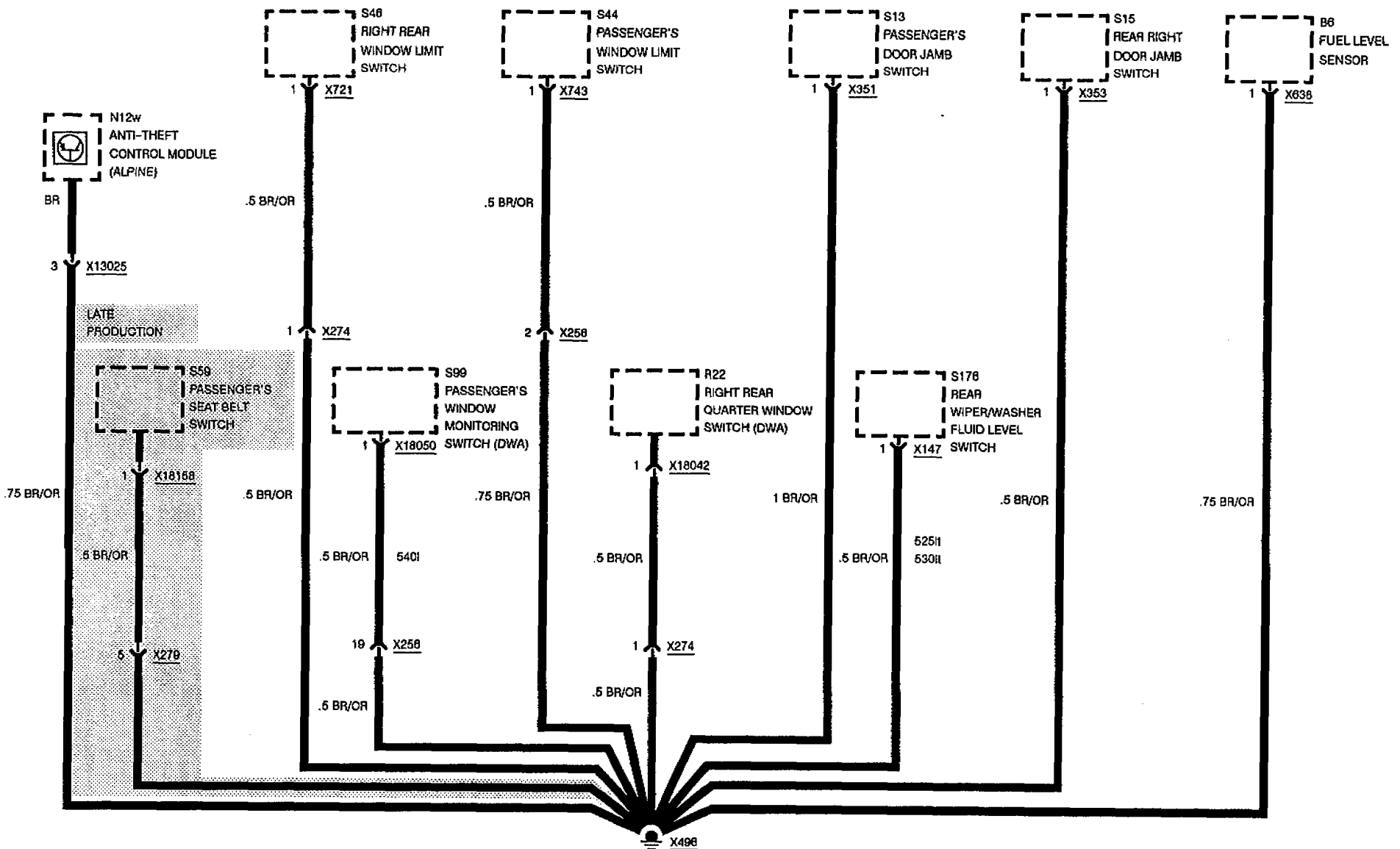
GROUND X495



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GROUND DISTRIBUTION

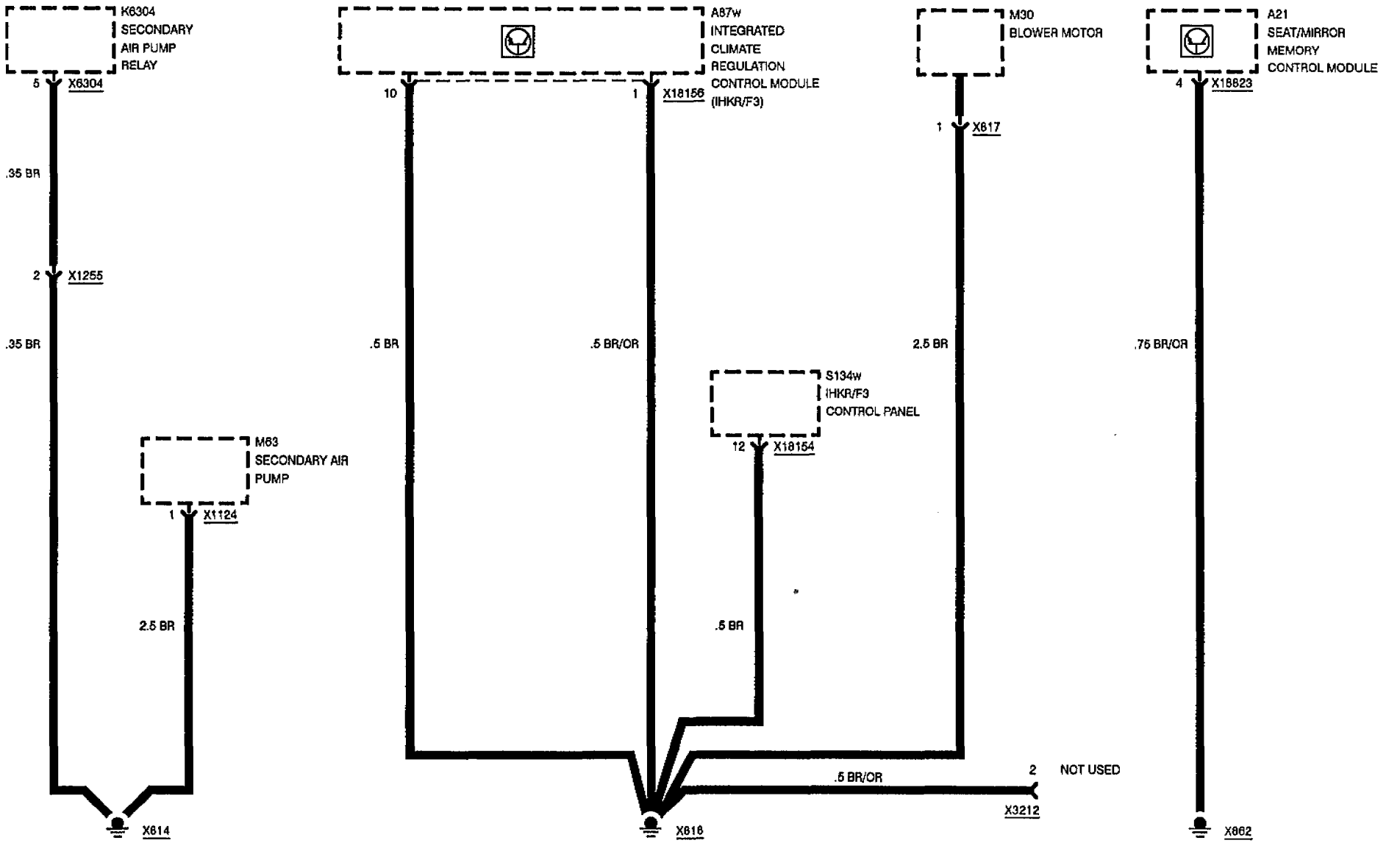
GROUND X496



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GROUND DISTRIBUTION

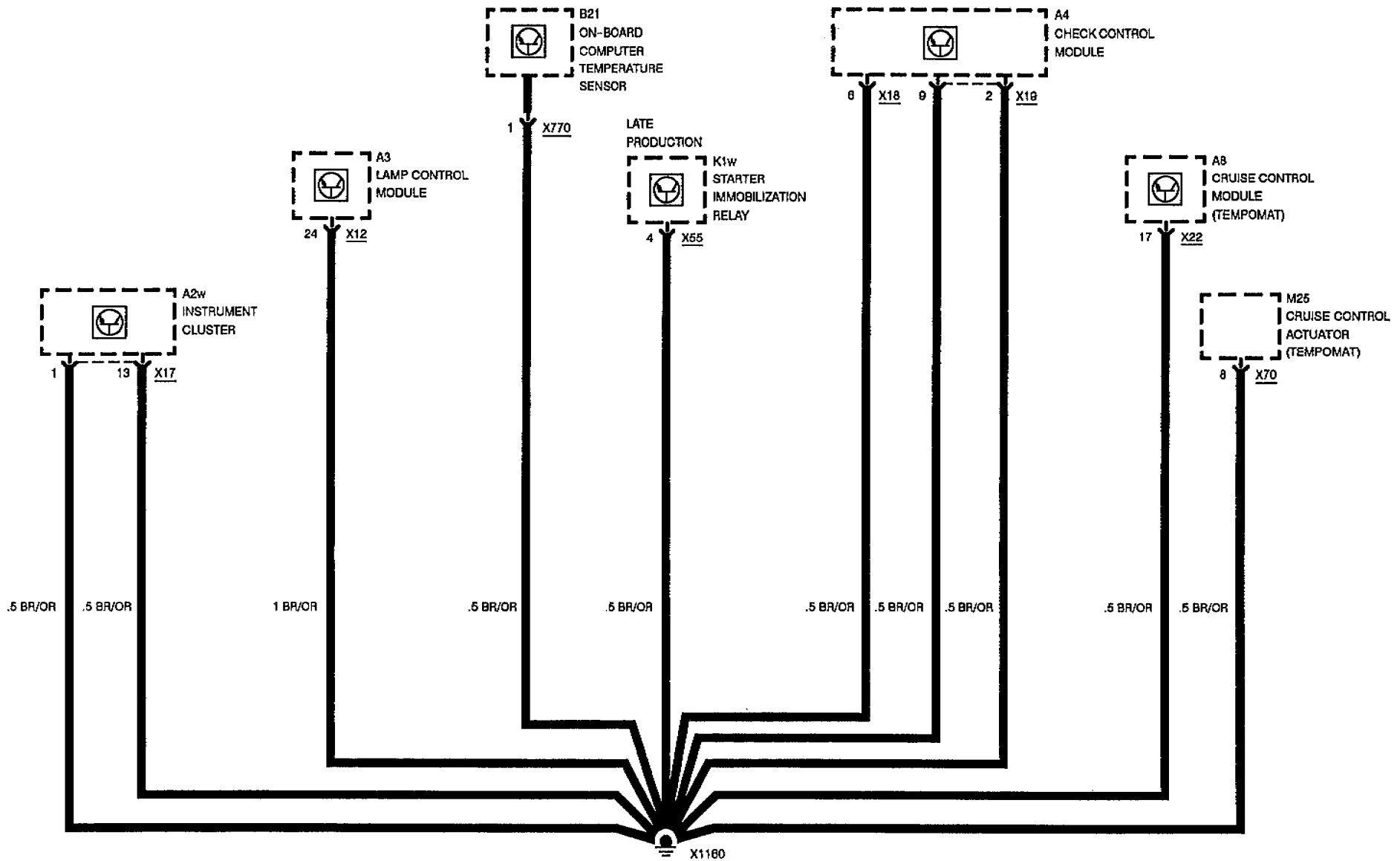
GROUND X814, X818 AND X862



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GROUND DISTRIBUTION

GROUND X1160

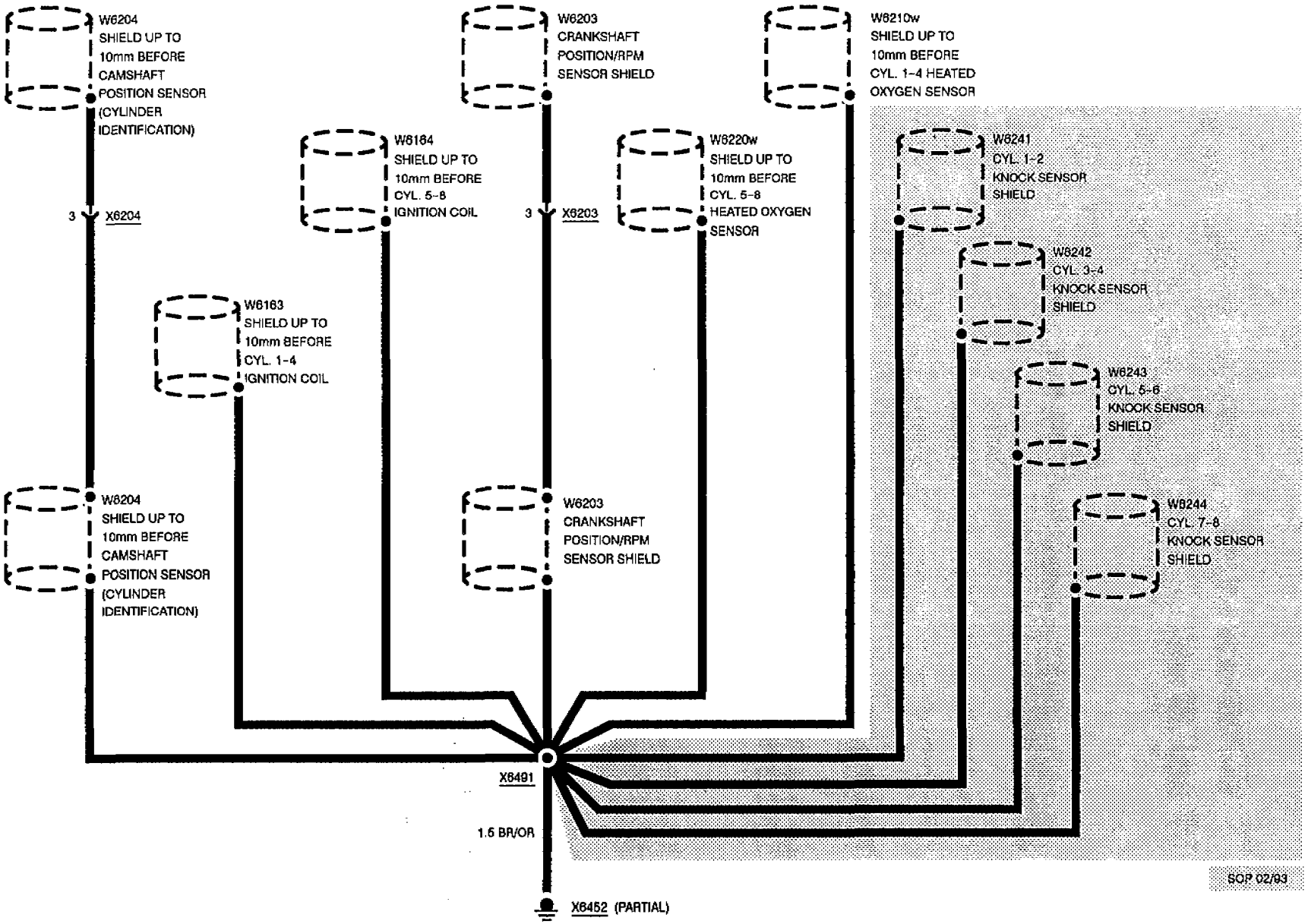


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GROUND DISTRIBUTION

530i/t, 540i

GROUND X6452

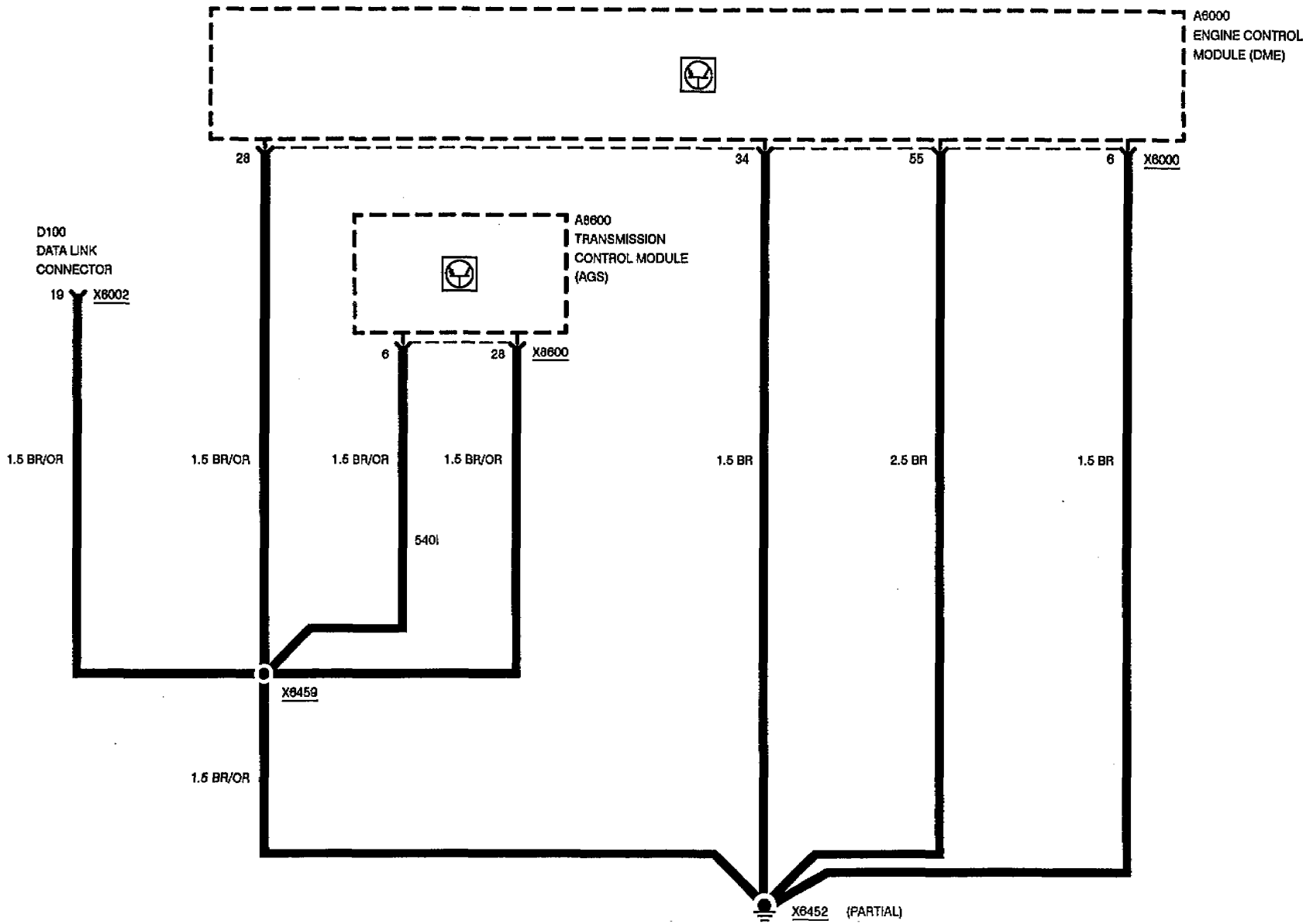


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GROUND DISTRIBUTION

GROUND X6452

530i/t, 540i

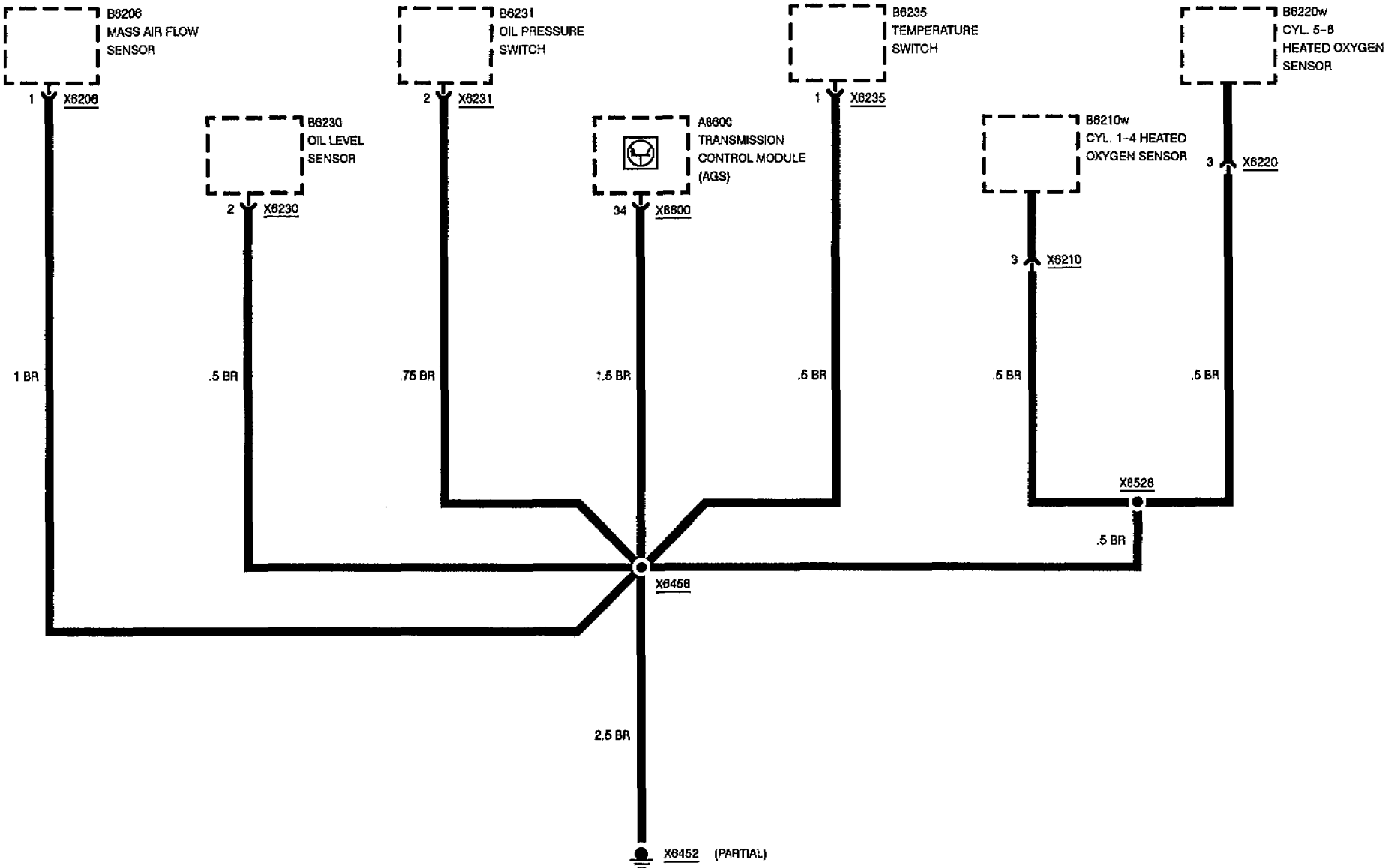


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GROUND DISTRIBUTION

530i/t, 540i

GROUND X6452

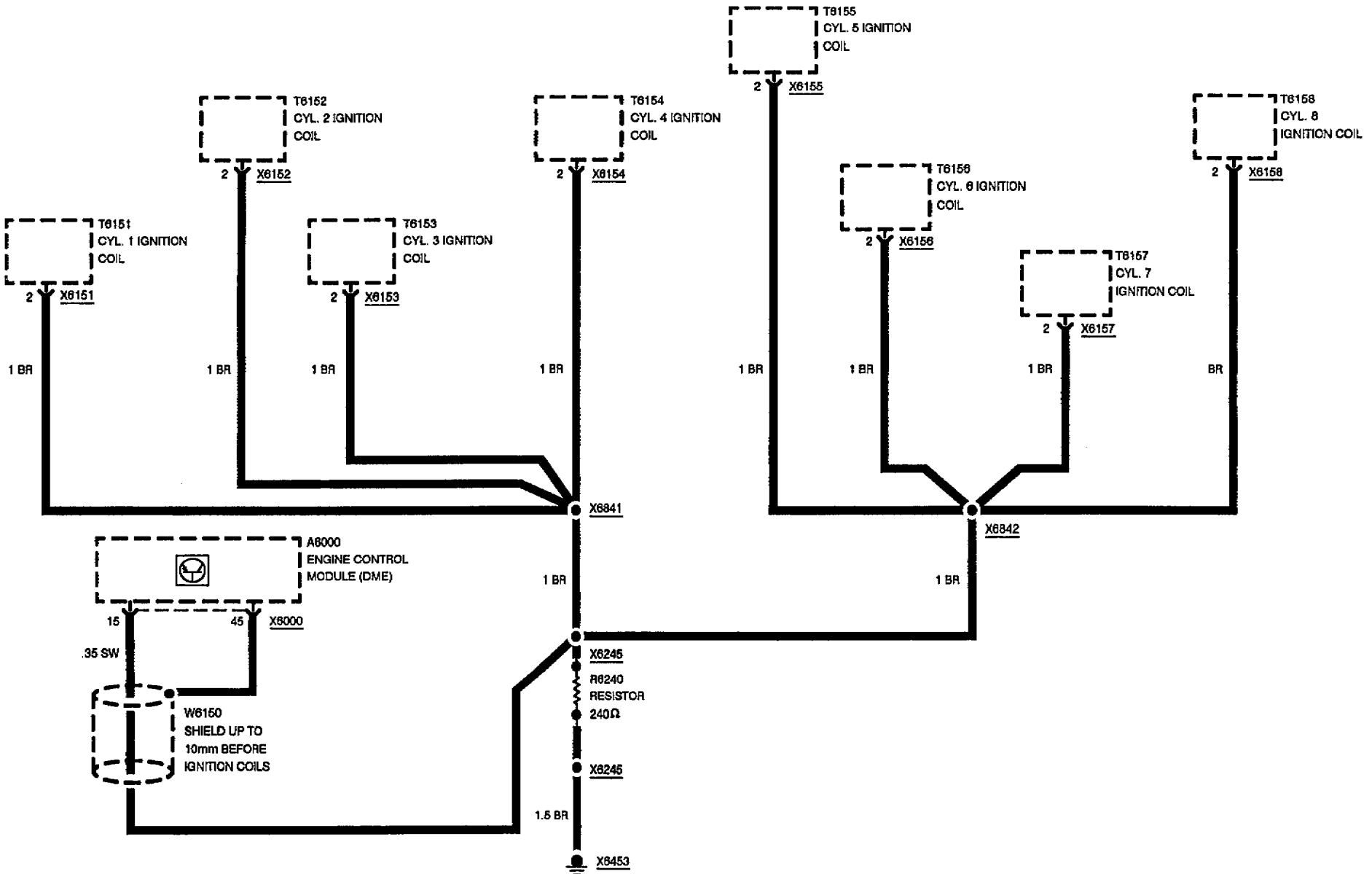


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GROUND DISTRIBUTION

530i/t, 540i

GROUND X6453

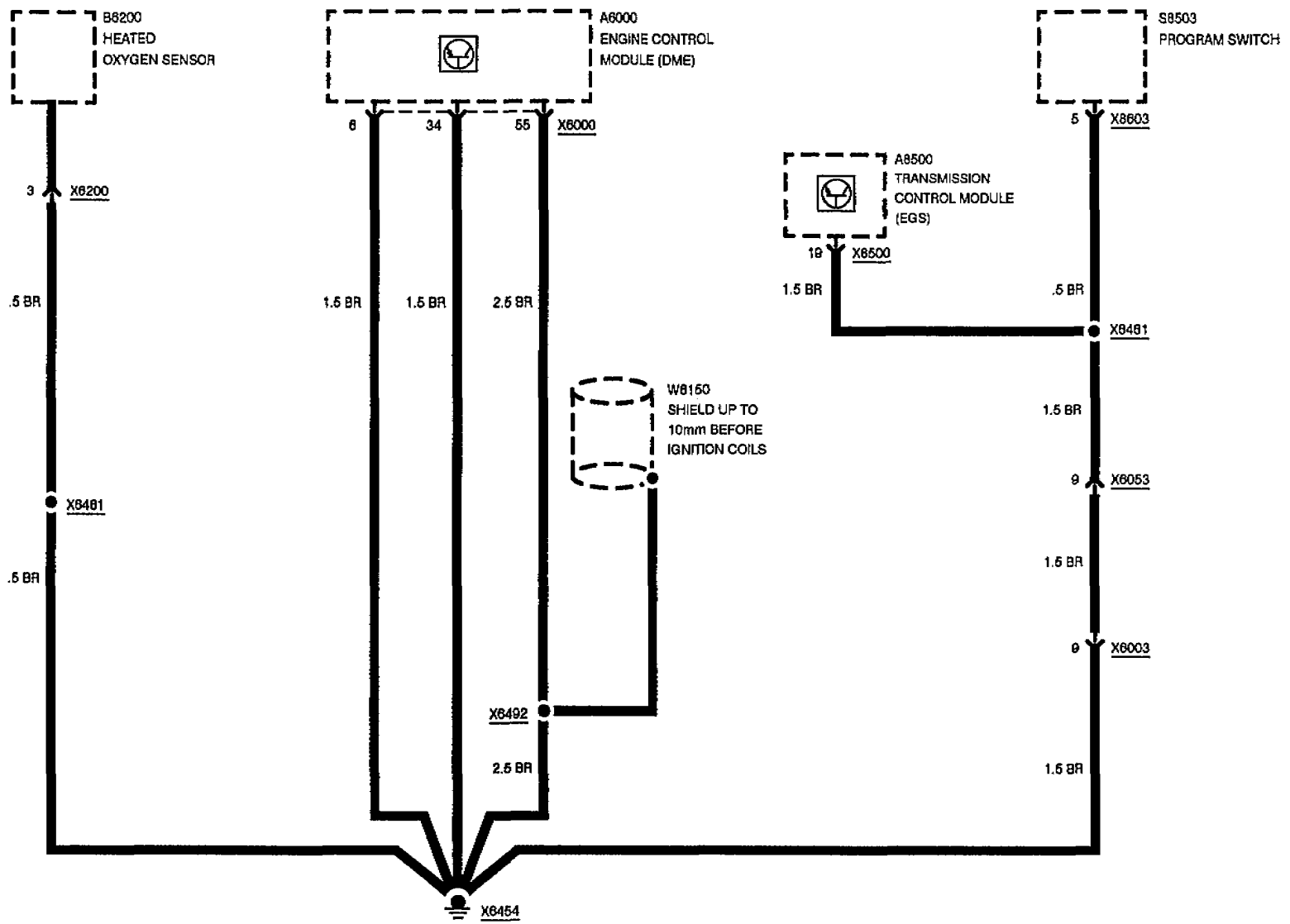


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GROUND DISTRIBUTION

525i/t

GROUND X6454

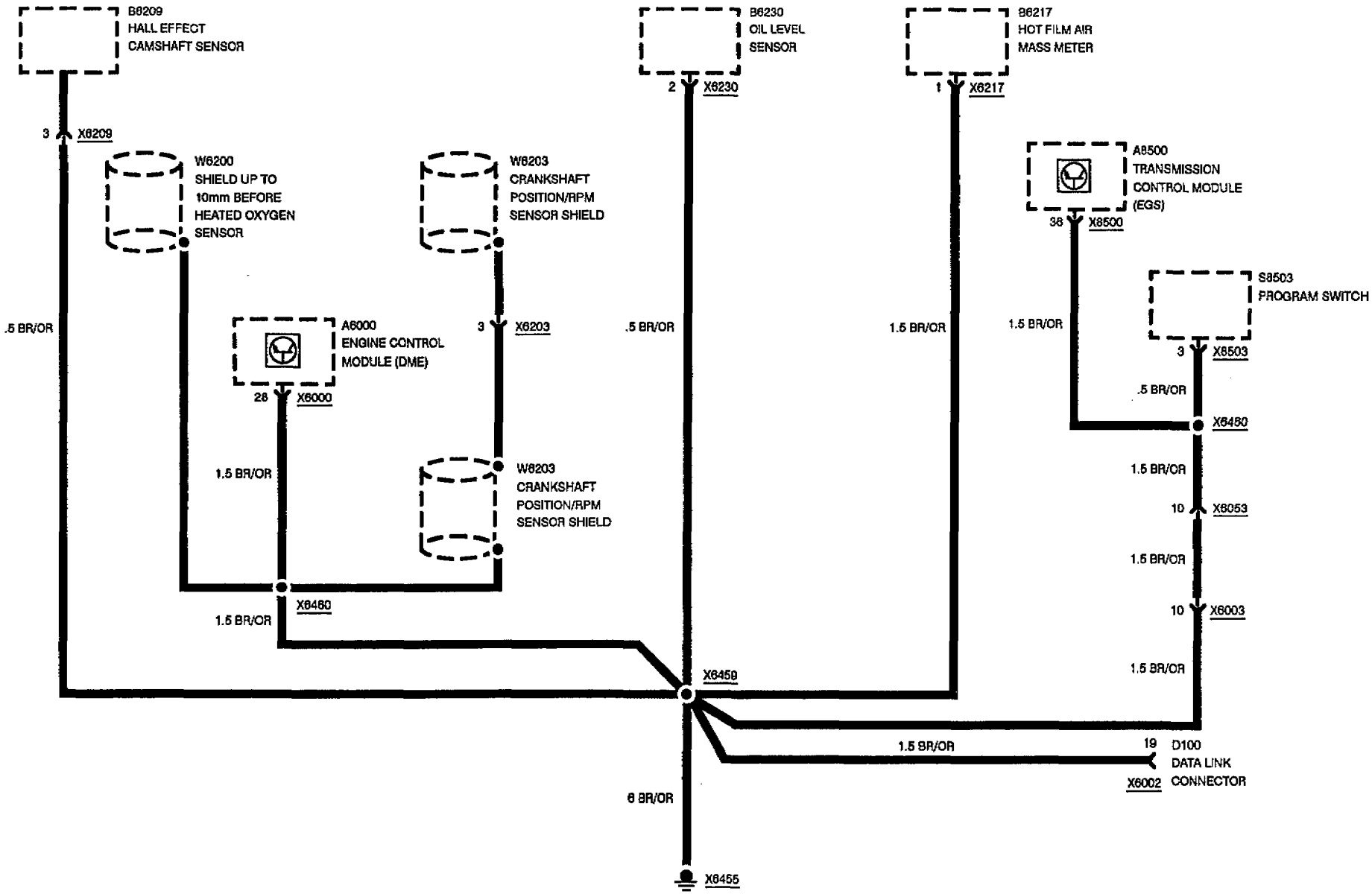


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GROUND DISTRIBUTION

525i/t

GROUND X6455

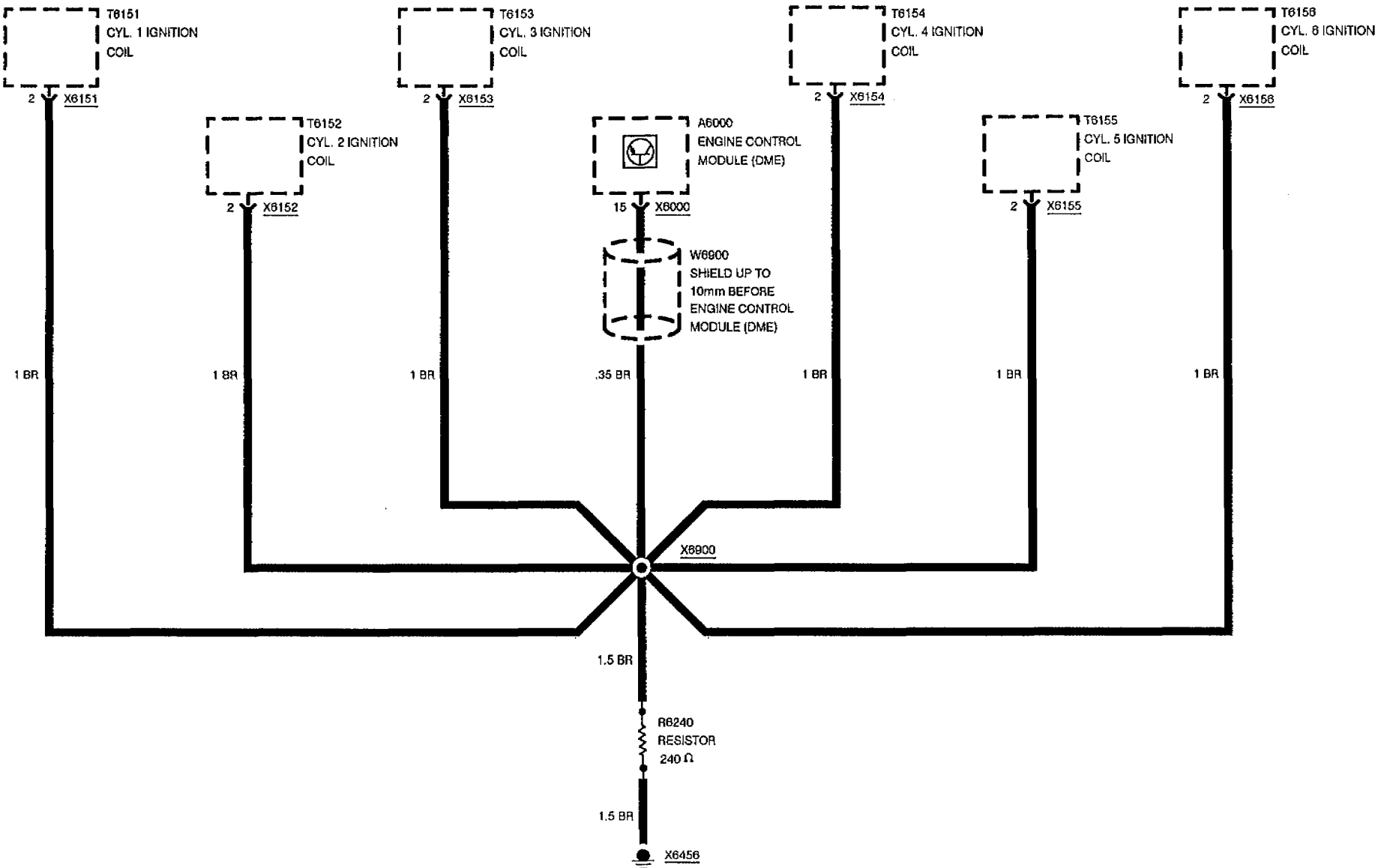


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GROUND DISTRIBUTION

525i/t

GROUND X6456

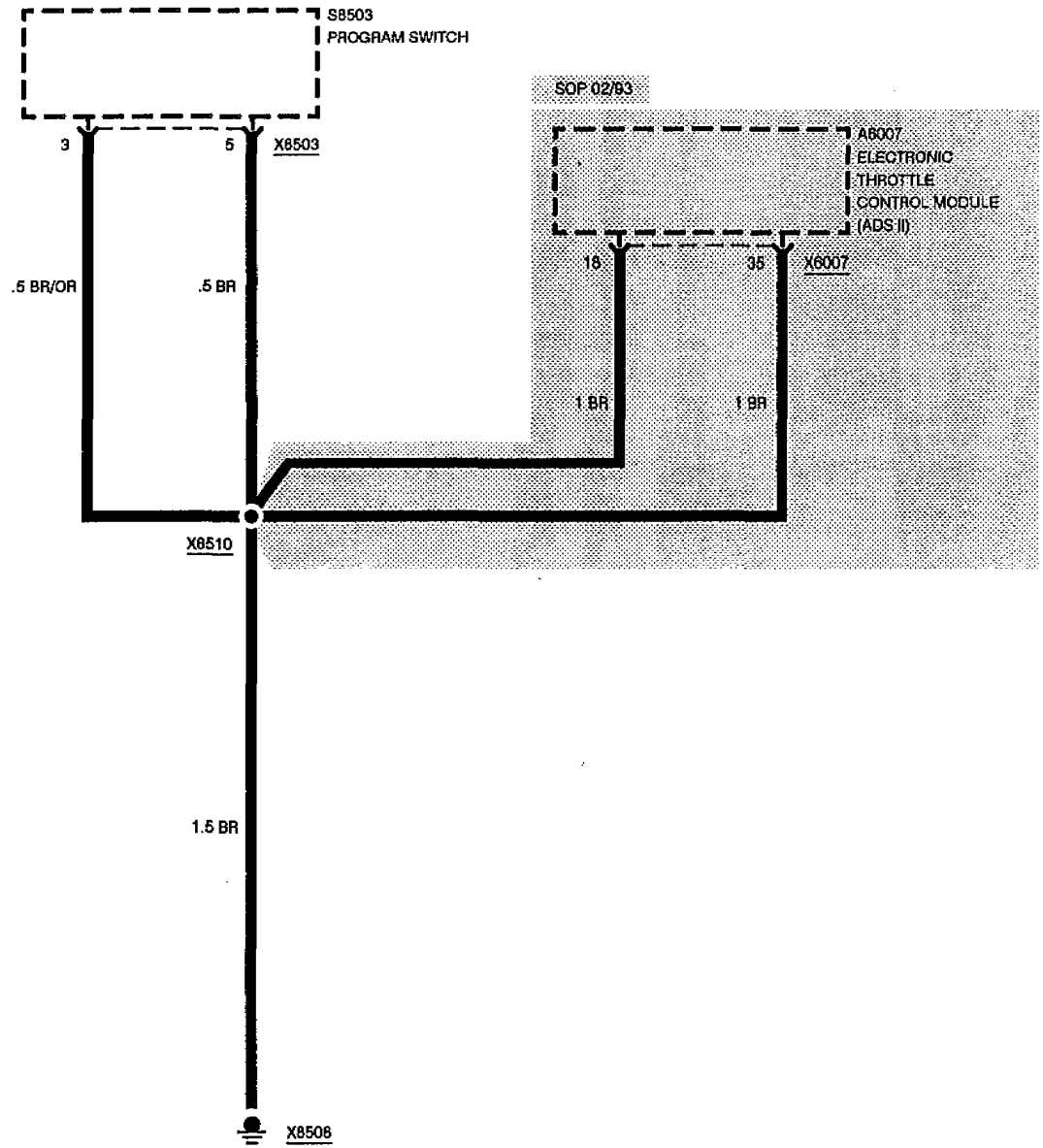


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GROUND DISTRIBUTION

GROUND X8508

530i/t, 540i

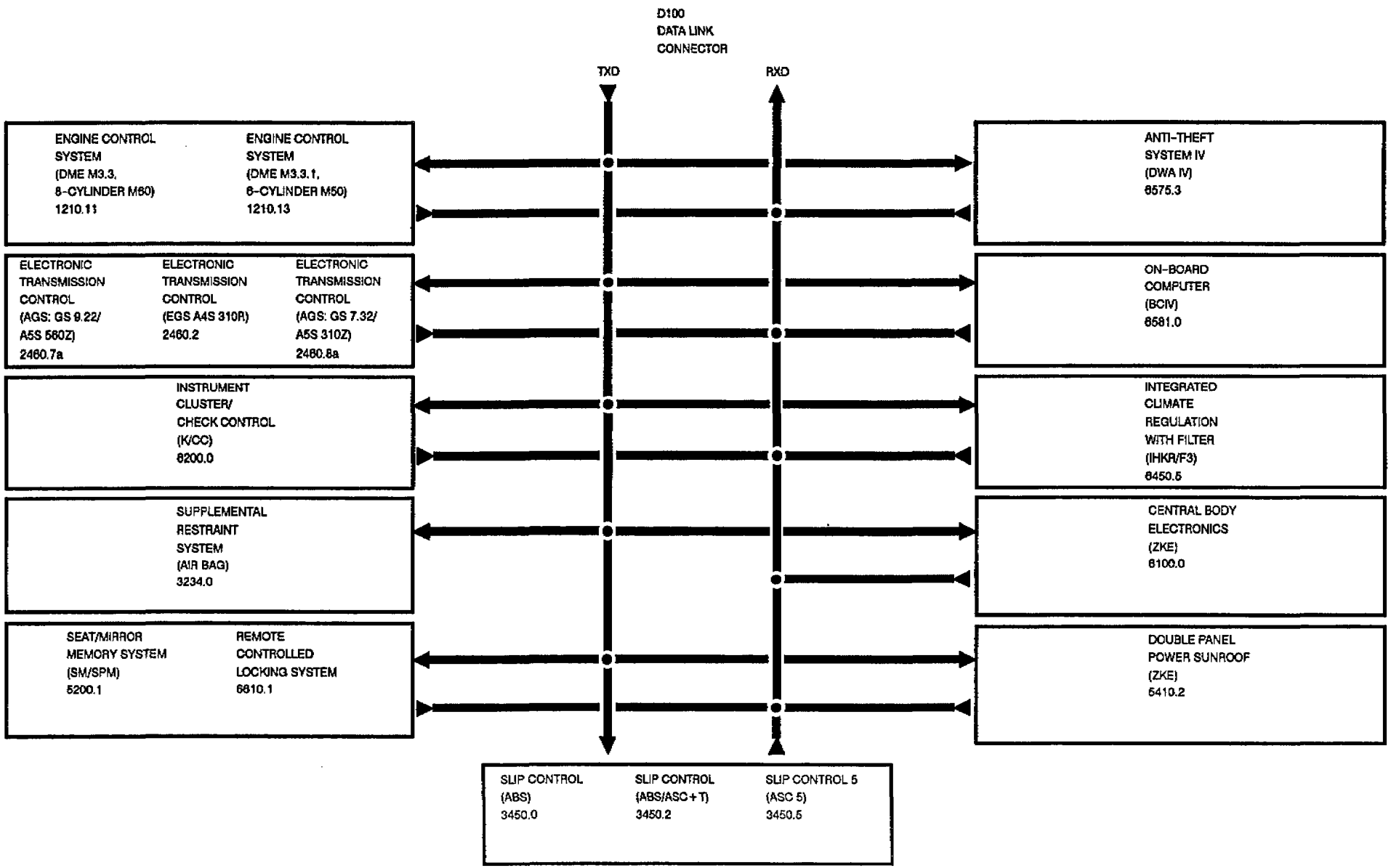


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DATA LINK

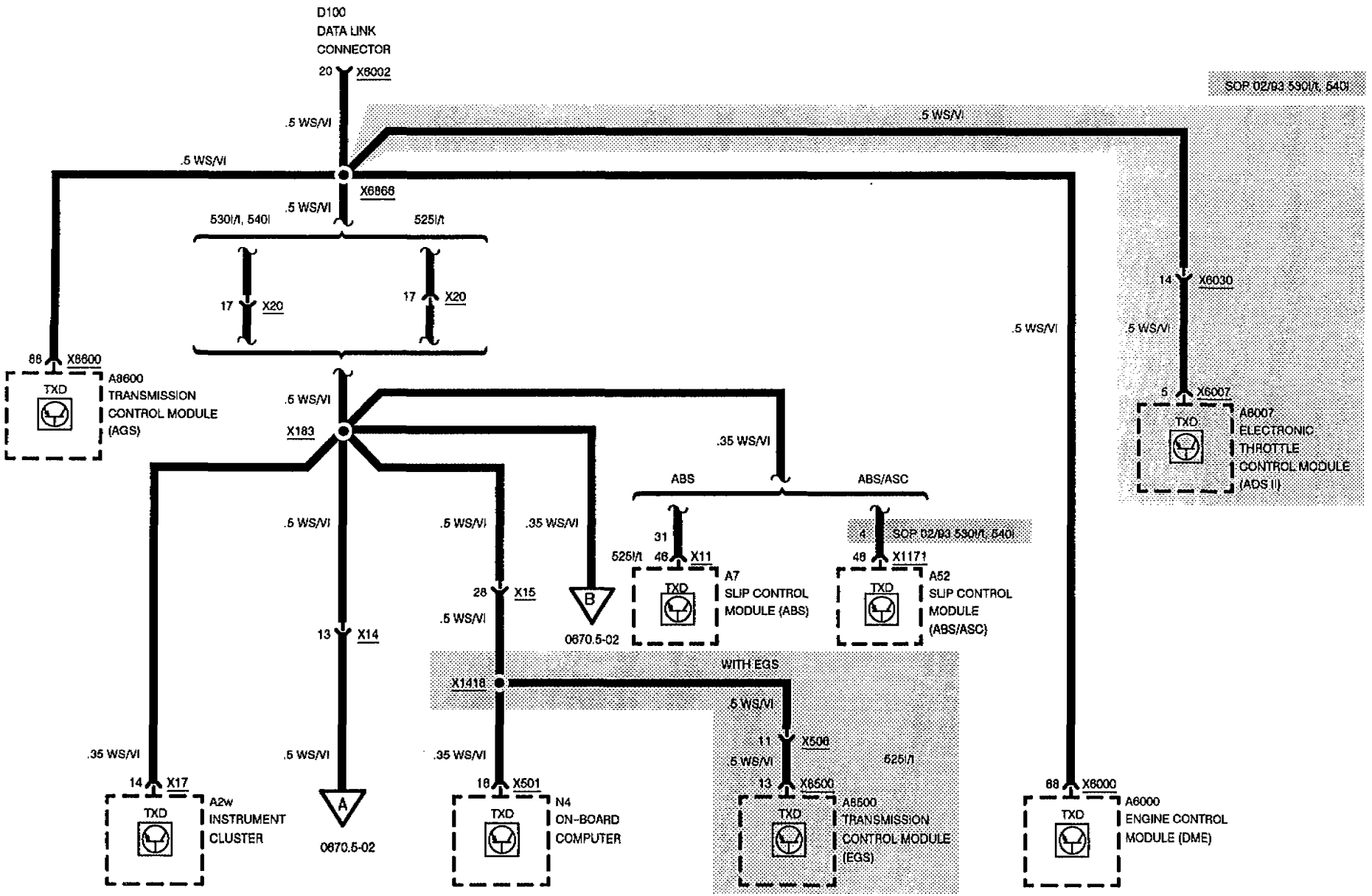
BLOCK DIAGRAM



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DATA LINK

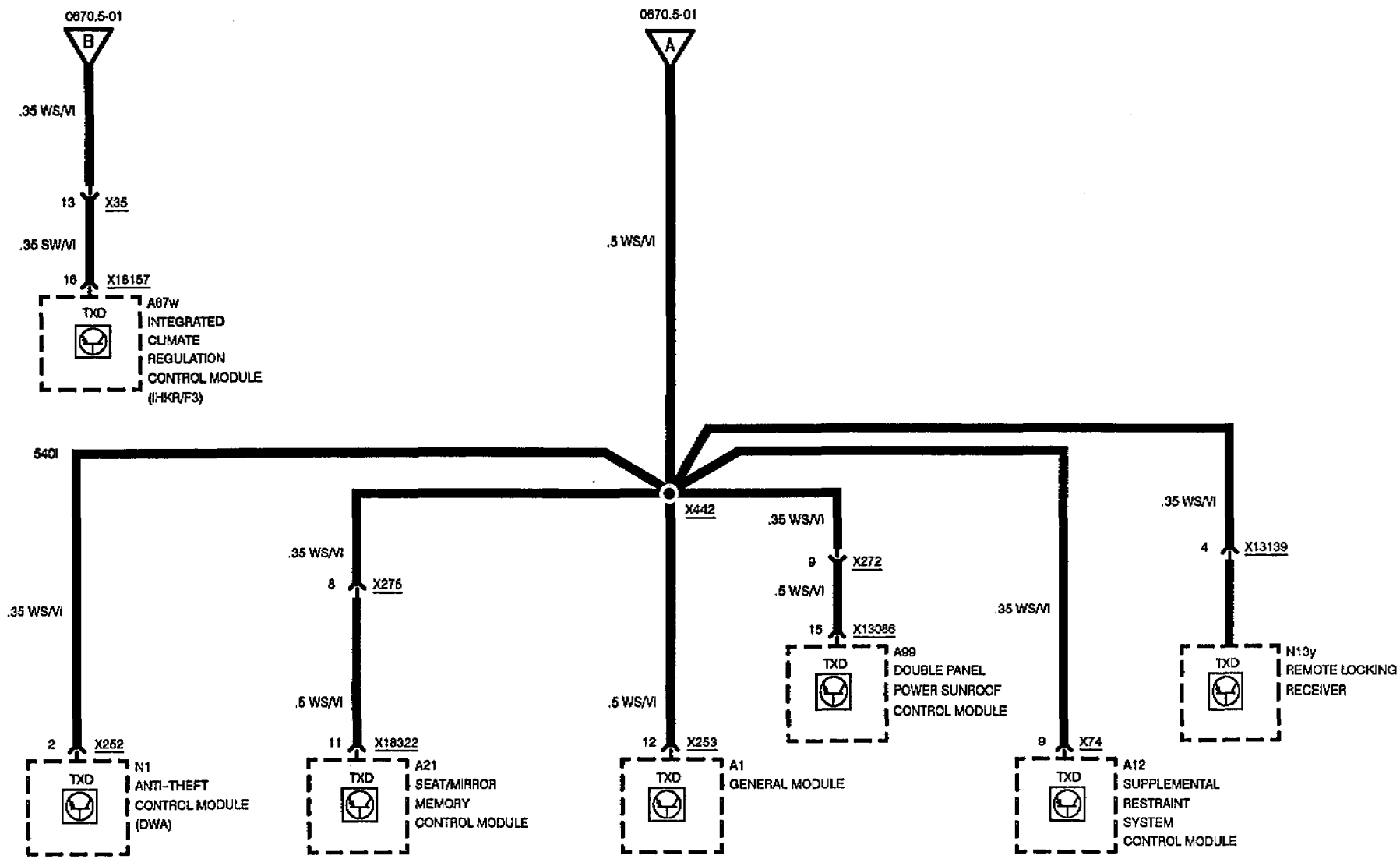
TXD, PIN 20



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DATA LINK

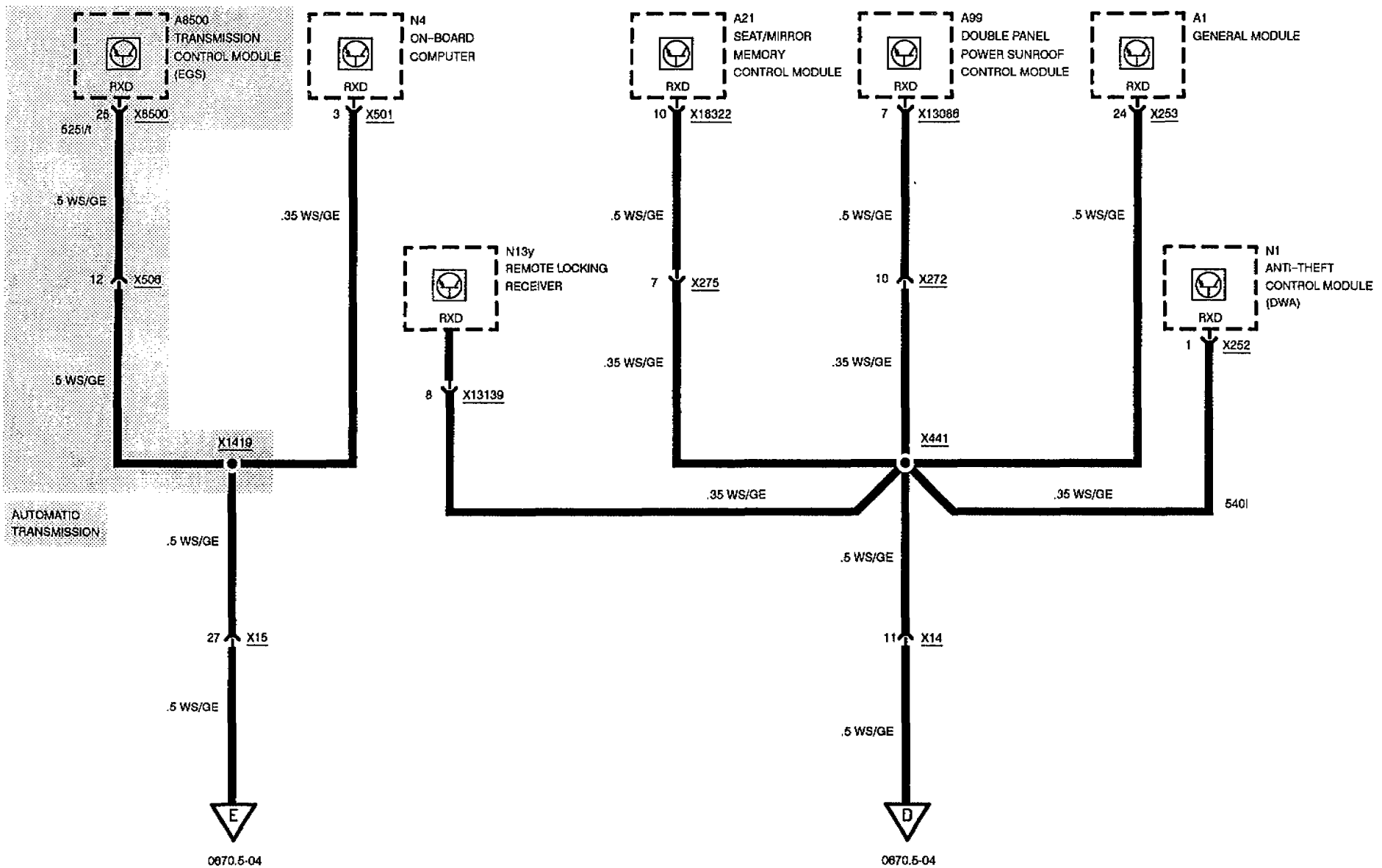
TXD, PIN 20



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DATA LINK

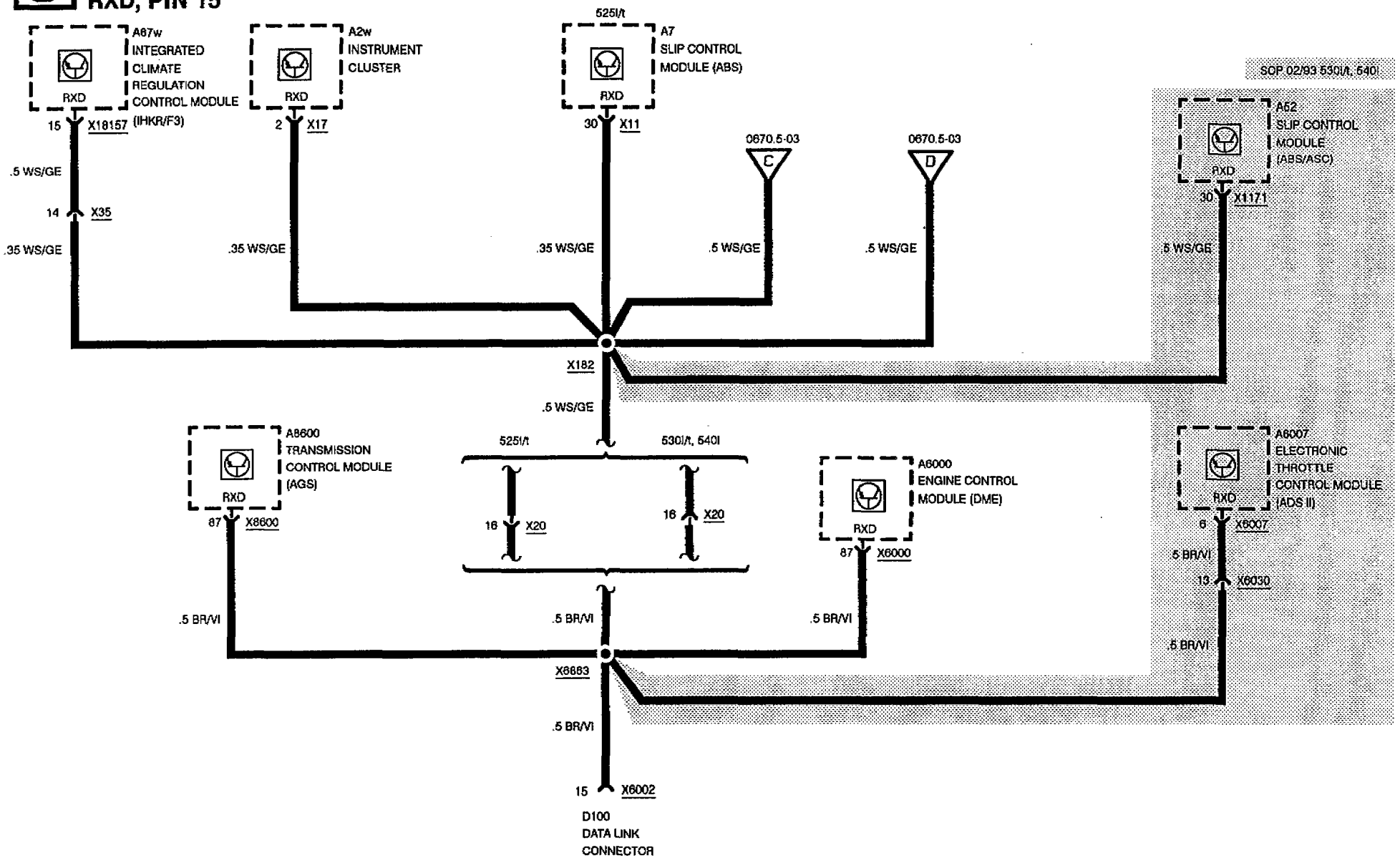
RXD, PIN 15



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DATA LINK

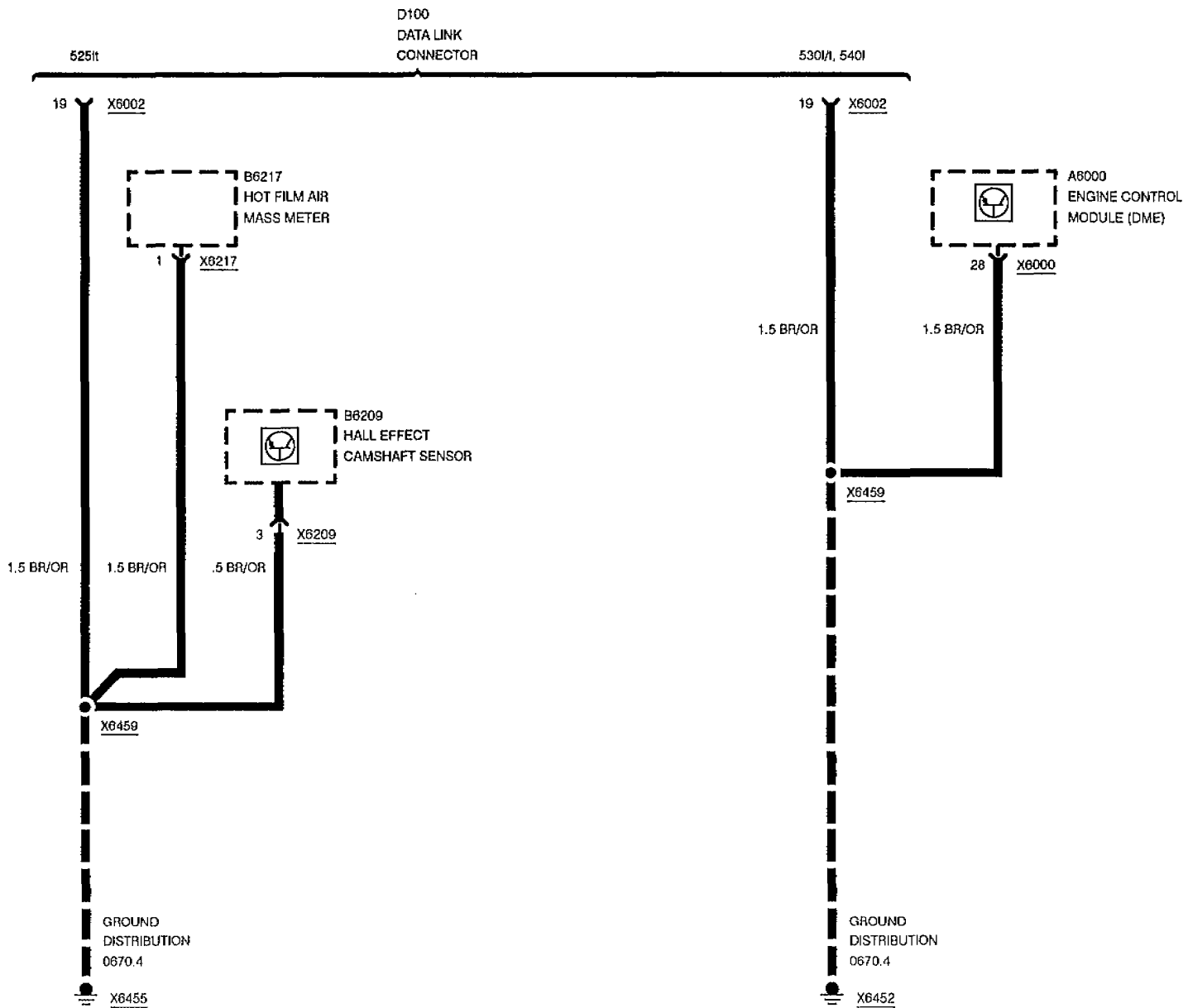
RXD, PIN 15



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DATA LINK

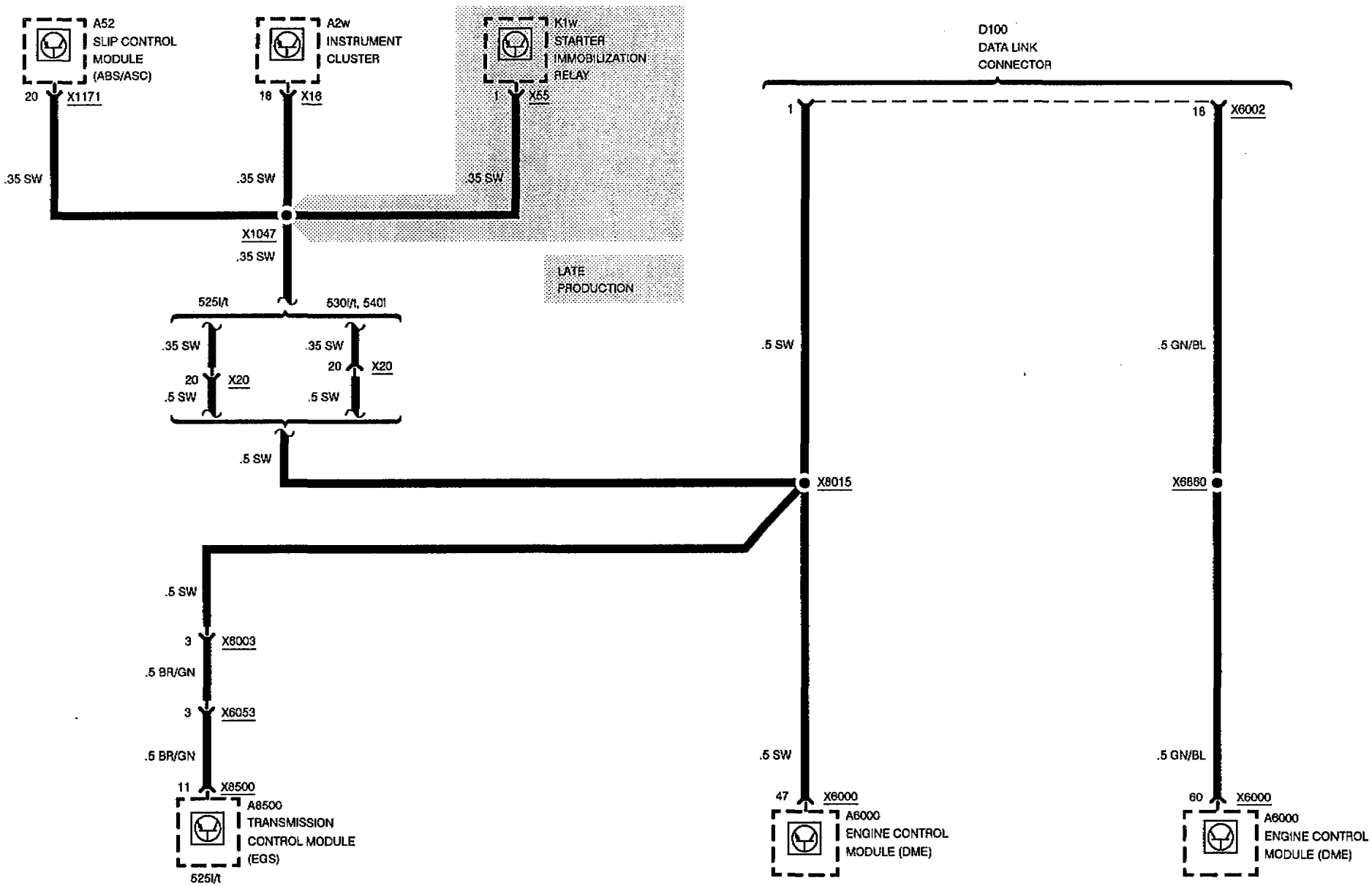
DATA LINK CONNECTOR PIN 19



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DATA LINK

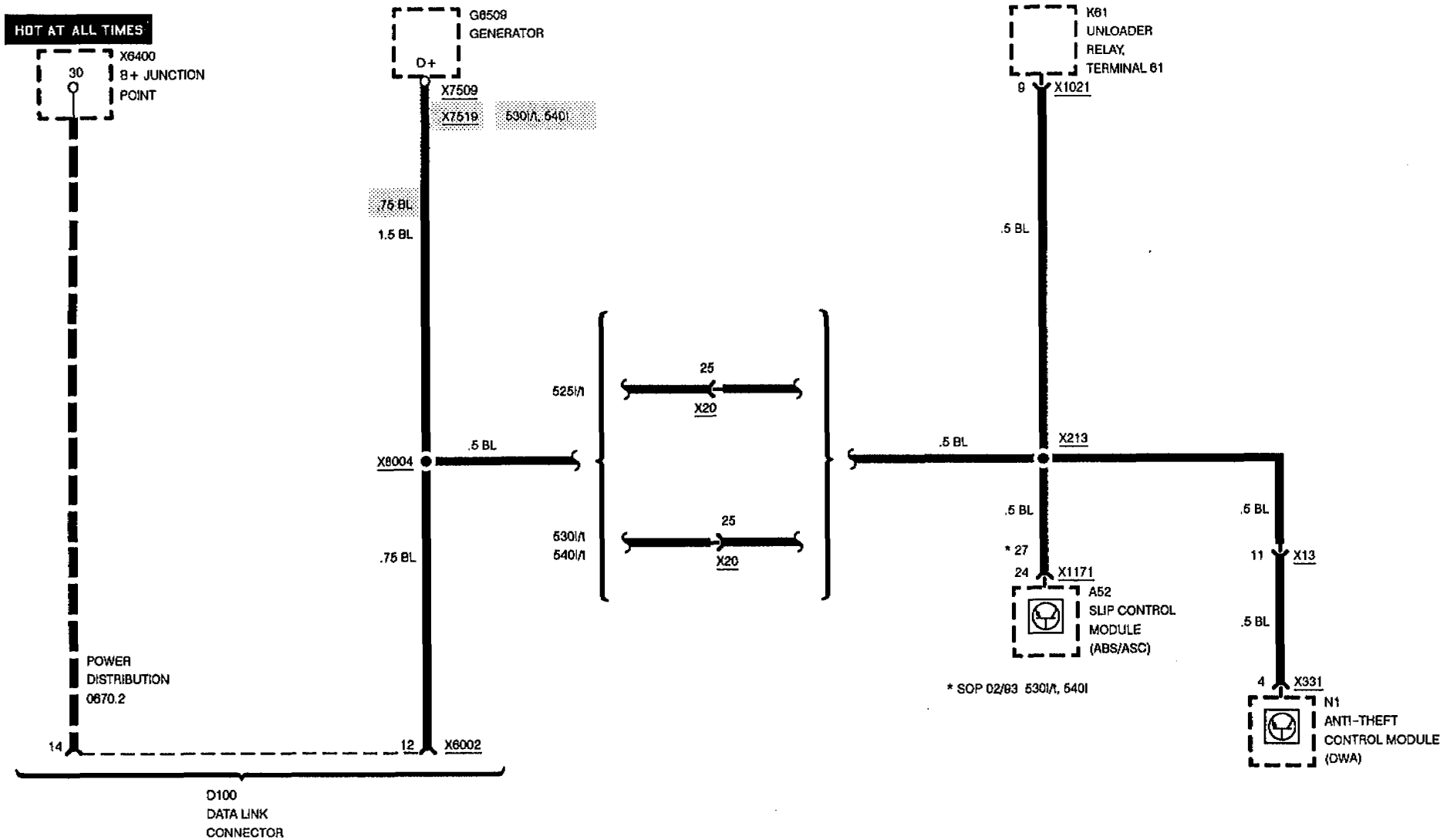
DATA LINK CONNECTOR PINS 1, 18



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DATA LINK

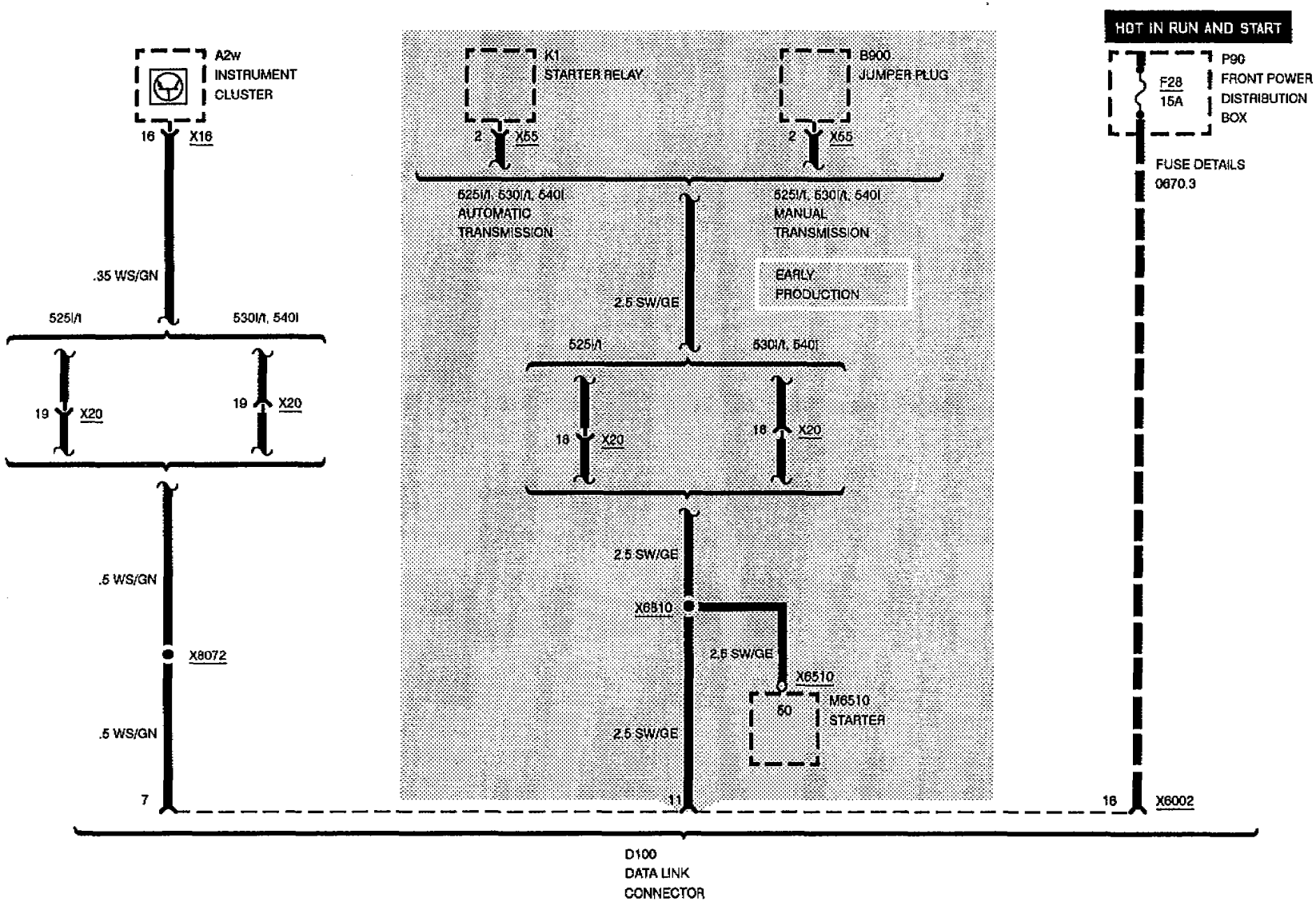
DATA LINK CONNECTOR PINS 12 AND 14



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DATA LINK

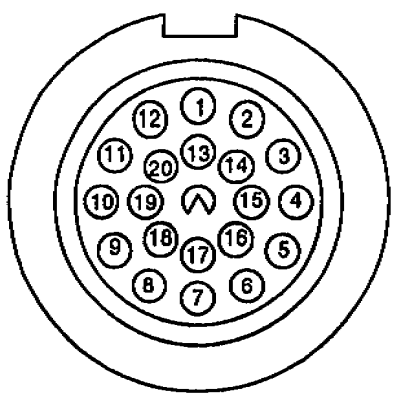
DATA LINK CONNECTOR PINS 7, 11, AND 16



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DATA LINK

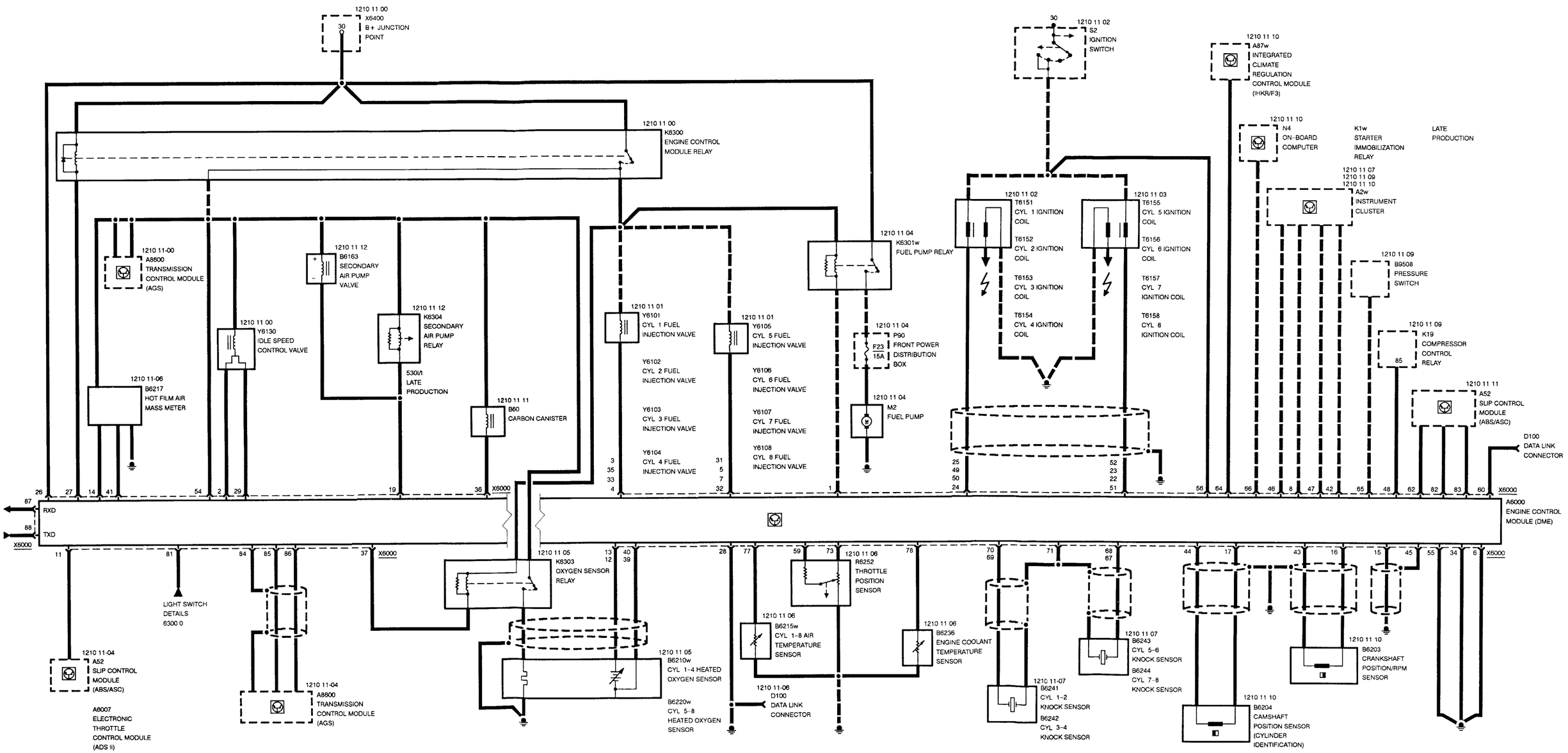
DATA LINK CONNECTOR (X6002)



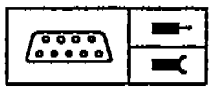
PIN NUMBER	TERMINAL NUMBER	TERMINAL DESCRIPTION	WIRE COLOR	
1	TD	SPEED SIGNAL	SW	
2	–	NOT OCCUPIED		
3	–	NOT OCCUPIED		
4	–	NOT OCCUPIED		
5	–	NOT OCCUPIED		
6	–	NOT OCCUPIED		
7	SI	SERVICE INDICATOR REMINDER	WS/GN	
8	–	NOT OCCUPIED		
9	–	NOT OCCUPIED		
10	–	NOT OCCUPIED		
11	50	VOLTAGE: IGNITION SWITCH IN START	SW/GE	EARLY PRODUCTION
11	–	NOT OCCUPIED		LATE PRODUCTION
12	61(D+)	GENERATOR CHARGE INDICATOR	BL	
13	–	NOT OCCUPIED		
14	30	VOLTAGE: HOT AT ALL TIMES	RT	
15	RXD	RECEIVE	WS/GE	
16	15S	VOLTAGE: IGNITION SWITCH IN RUN	GN/WS	
17	–	NOT OCCUPIED		
18	PGSP	ENGINE CONTROL (DME) PROGRAMMING LINE	GN/BL	
19	31	GROUND	BR/OR	
20	TXD	TRANSMIT	WS/VI	

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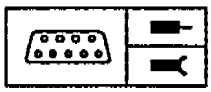
Pin Assignments

X6000

Pin	Type	Description/Function	Connection
1	A	Fuel pump relay	Fuel pump relay
2	A	Close ZWD	Idle speed control valve
3	A	Injection valve 1	Injection valve
4	A	Injection valve 4	Injection valve
5	A	Injection valve 6	Injection valve
6	M	Ground, injection valves	Ground point
7	A	Injection valve 7	Injection valve
8	A	"Check engine" indicator	Instrument cluster
9		Not used	
10		Not used	
11	A	Throttle angle signal	Slip control module (ABS/ASC)
12	E	Oxygen sensor 2 signal	Oxygen sensor
13	E	Oxygen sensor 1 signal	Oxygen sensor
14	M	Ground HLM (HFM)	Mass air flow sensor
15	M	Signal, ignition circuit monitoring	Ground connection
16	E	KWG signal	Crankshaft sensor
17	E	NWG signal	Camshaft sensor
18		Not used	
19	A	Activation, secondary air pump	Relay/valve air pump (530i/t: Late Production)
20		Not used	
21		Not used	
22	A	Ignition 7	Ignition coil
23	A	Ignition 6	Ignition coil
24	A	Ignition 4	Ignition coil
25	A	Ignition 1	Ignition coil
26	E	Continuous pulse	B+ junction coil
27	A	Activation, main relay	Main relay
28	M	Ground, electronics/shield/sensors	Ground point
29	A	ZWD open	Idle speed control valve
30		Not used	

E = Input, A = Output, M = Ground

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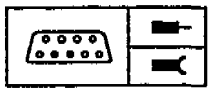


Pin Assignments

Pin	Type	Description/Function	Connection
31	A	Injection valve 5	Injection valve
32	A	Injection valve 8	Injection valve
33	A	Injection valve 3	Injection valve
34	M	Ground, remaining output stages	Ground connection
35	A	Injection valve 2	Injection valve
36	A	Evaporative emission	Carbon canister
37	A	Heated oxygen sensor relay	Oxygen sensor relay
38		Not used	
39	M	Ground, oxygen sensor 2	Oxygen sensor 2
40	M	Ground, oxygen sensor 1	Oxygen sensor 1
41	E	HLM signal (HFM)	Mass air flow sensor
42	E	Speed signal	Instrument cluster
43	M	KWG ground	Crankshaft sensor
44	M	NWG ground	Camshaft sensor
45	M	Ground, ignition circuit monitoring	Shield
46	A	KVA signal	Instrument cluster
47	A	TD signal	Instrument cluster
48	A	A/C compressor signal	A/C compressor relay
49	A	Ignition 2	Ignition coil
50	A	Ignition 3	Ignition coil
51	A	Ignition 8	Ignition coil
52	A	Ignition 5	Ignition coil
53		Not used	
54	E	Engine control module relay, voltage	Engine control module relay
55	M	Ground, ignition	Ground connection
56	E	Terminal 15	Ignition switch
57		Not used	
58		Not used	
59	A	+5V supply	Throttle control potentiometer
60	E	Programming voltage input	Data link connector
61		Not used	
62	A	S-EML	ASC+T control module

E = Input, A = Output, M = Ground

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Pin Assignments

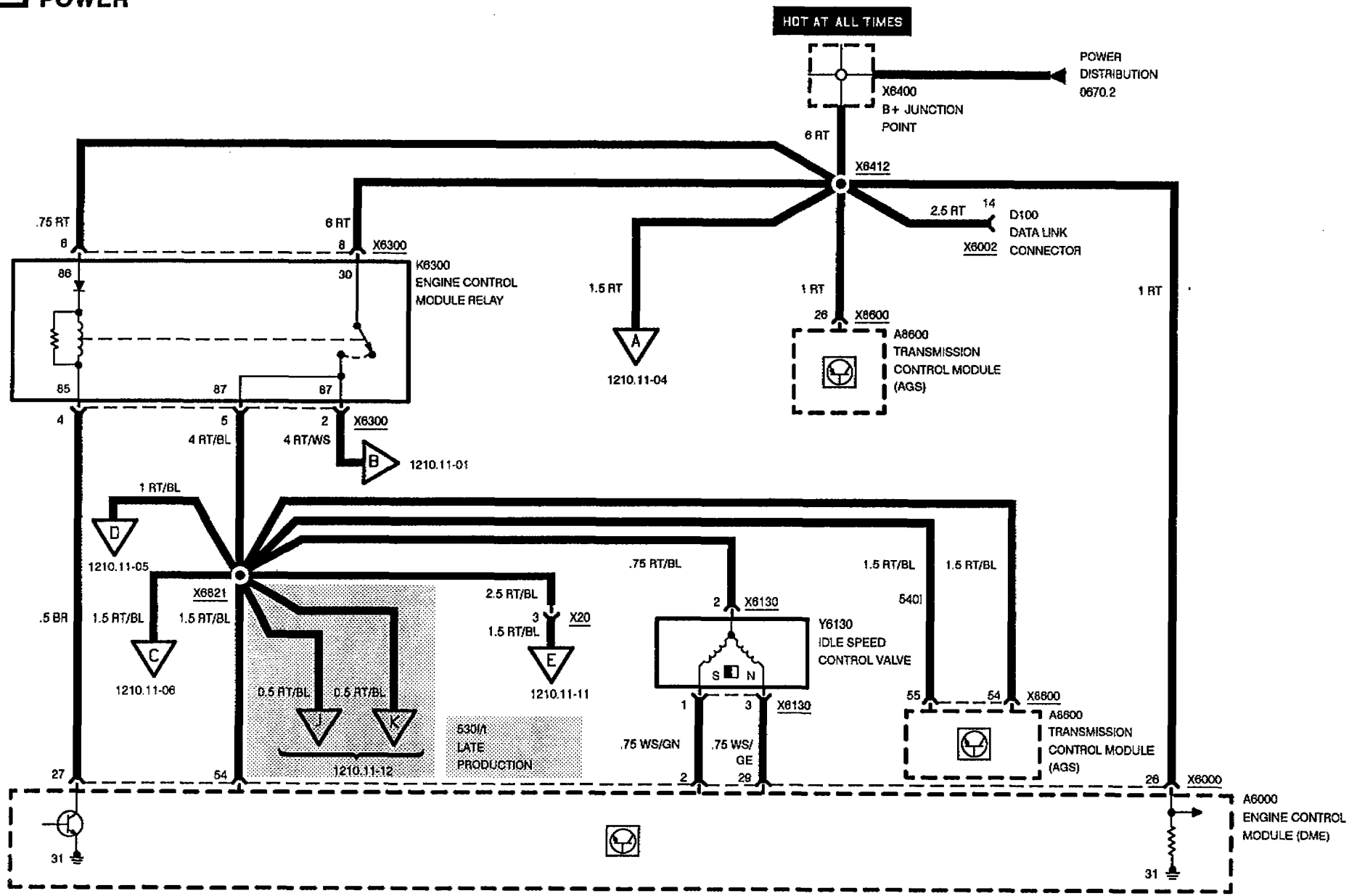
Pin	Type	Description/Function	Connection
63		Not used	
64	E	A/C signal	A/C control module
65	E	A/C compressor signal	Pressure switch
66	E	Drive away protection signal	On-board computer (Early Production) Starter immobilization relay (Late Production)
67	E	Knock sensor 4 signal	Knock sensor
68	E	Knock sensor 3 signal	Knock sensor
69	E	Knock sensor 2 signal	Knock sensor
70	E	Knock sensor 1 signal	Knock sensor
71	M	Ground, analog signals and knock sensors	Sensors
72		Not used	
73	E	Signal, throttle (DK) sensor	Throttle control potentiometer
74		Not used	
75		Not used	
76		Not used	
77	E	Intake air temperature	Intake air temperature sensor
78	E	Coolant temperature	Coolant temperature sensor
79		Not used	
80		Not used	
81	E	S-FS low beam	Light switch
82	E	Signal, engine drag torque control	ASC+T control module
83	E	Signal, drive slips control	ASC+T control module
84	A	CAN shield	Transmission control module
85	E/A	CAN-L	Transmission control module
86	E/A	CAN-H	Transmission control module
87	E	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, 8-CYLINDER M60)

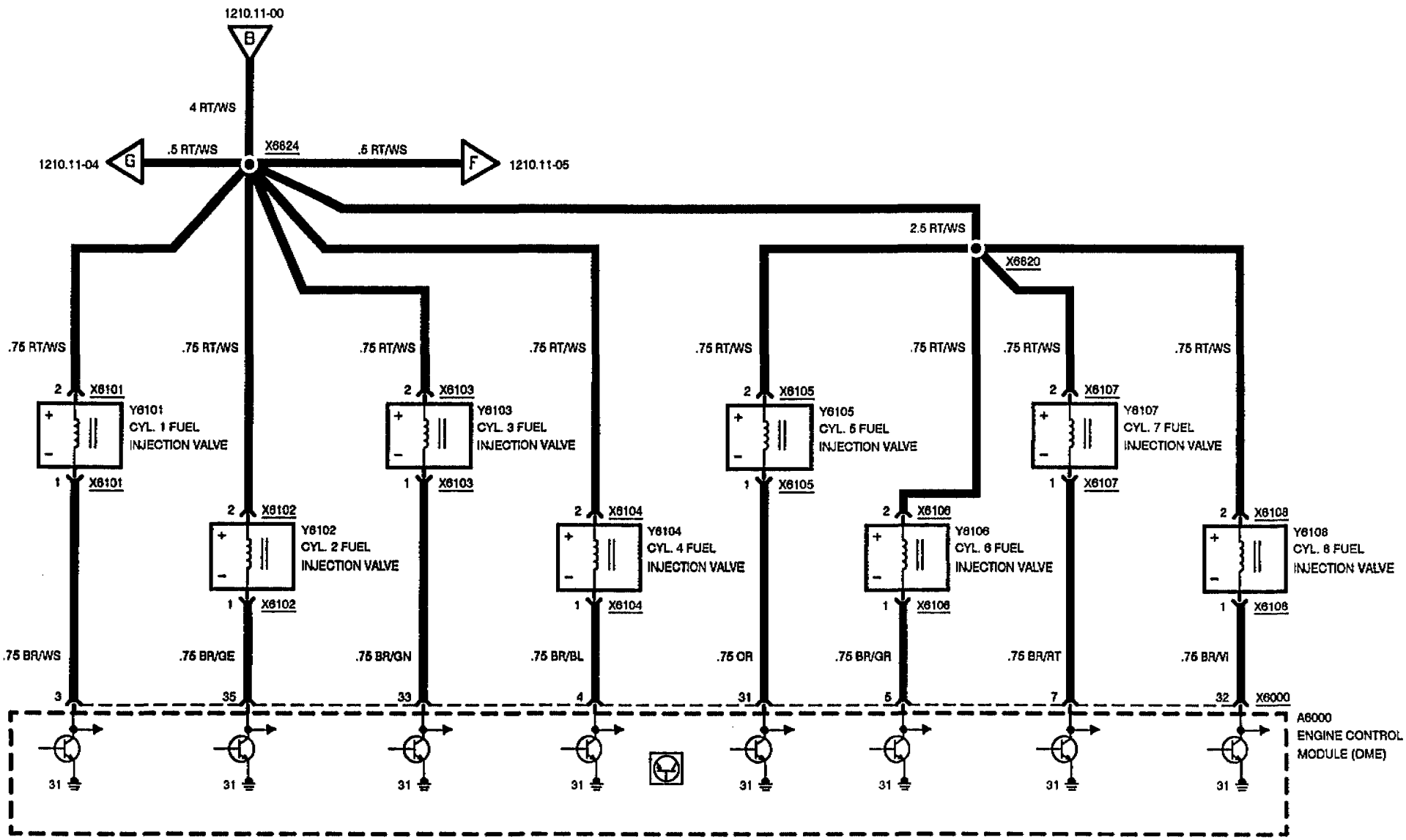
POWER



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

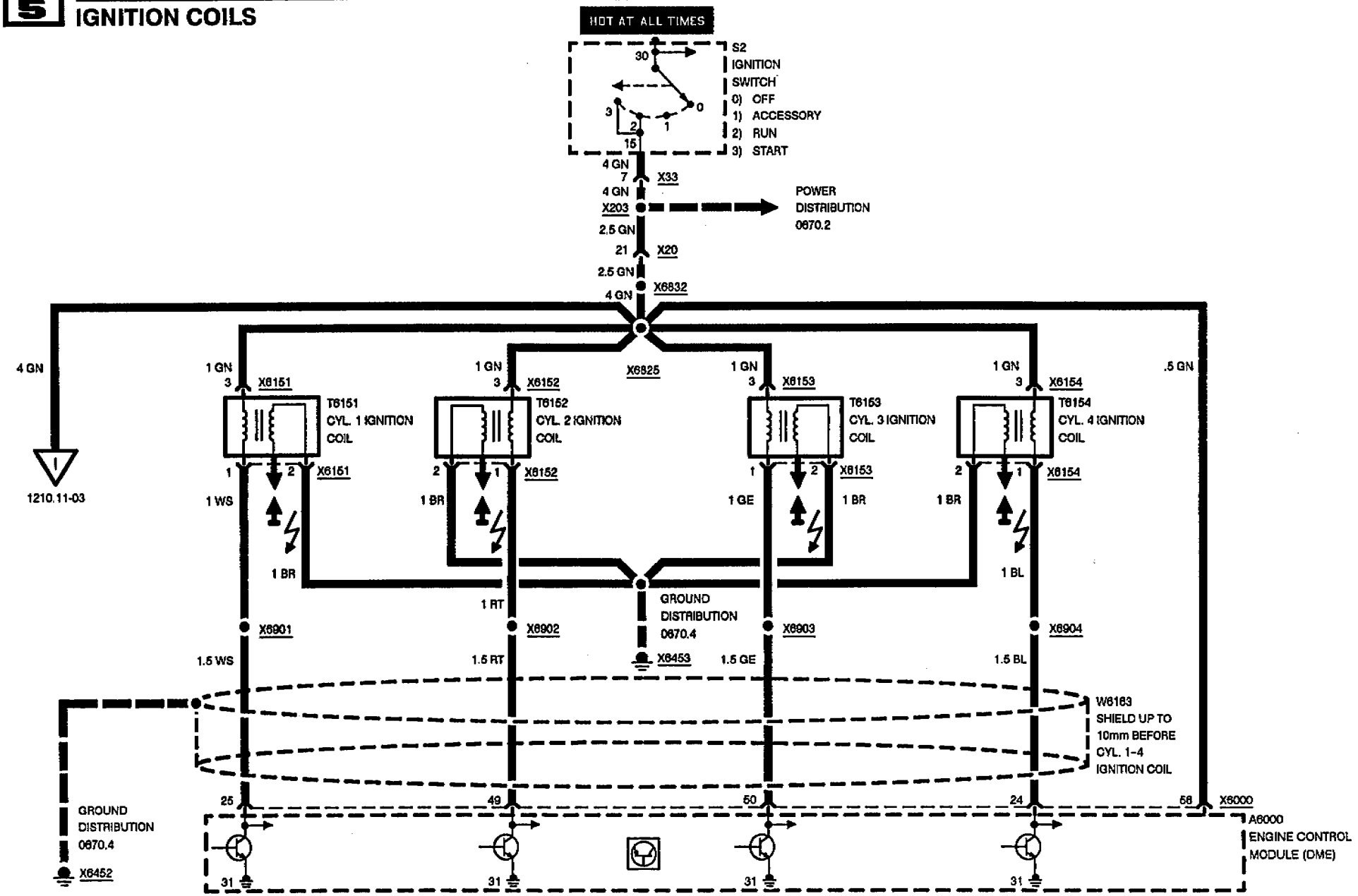
FUEL INJECTION VALVES



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

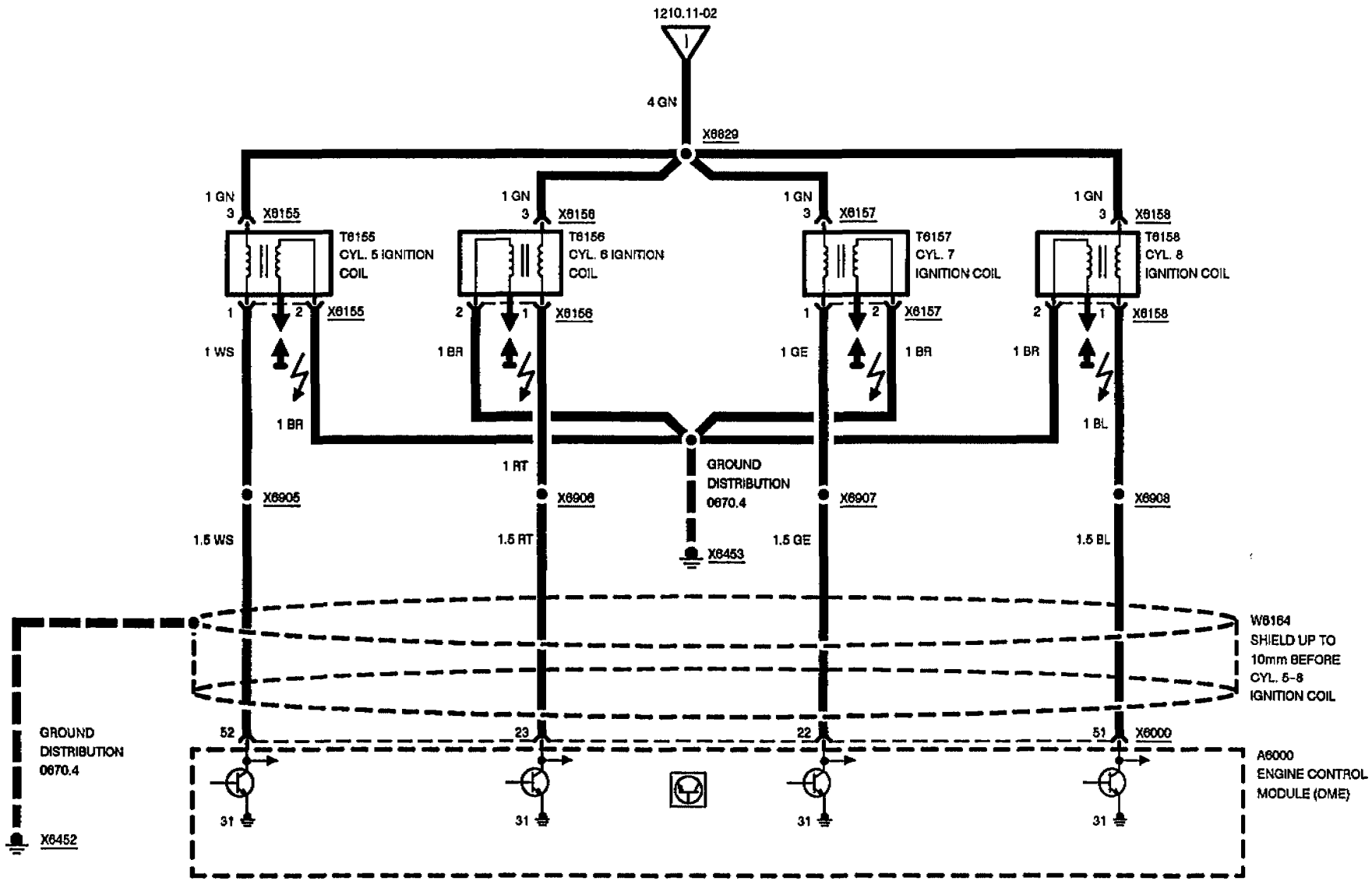
IGNITION COILS



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

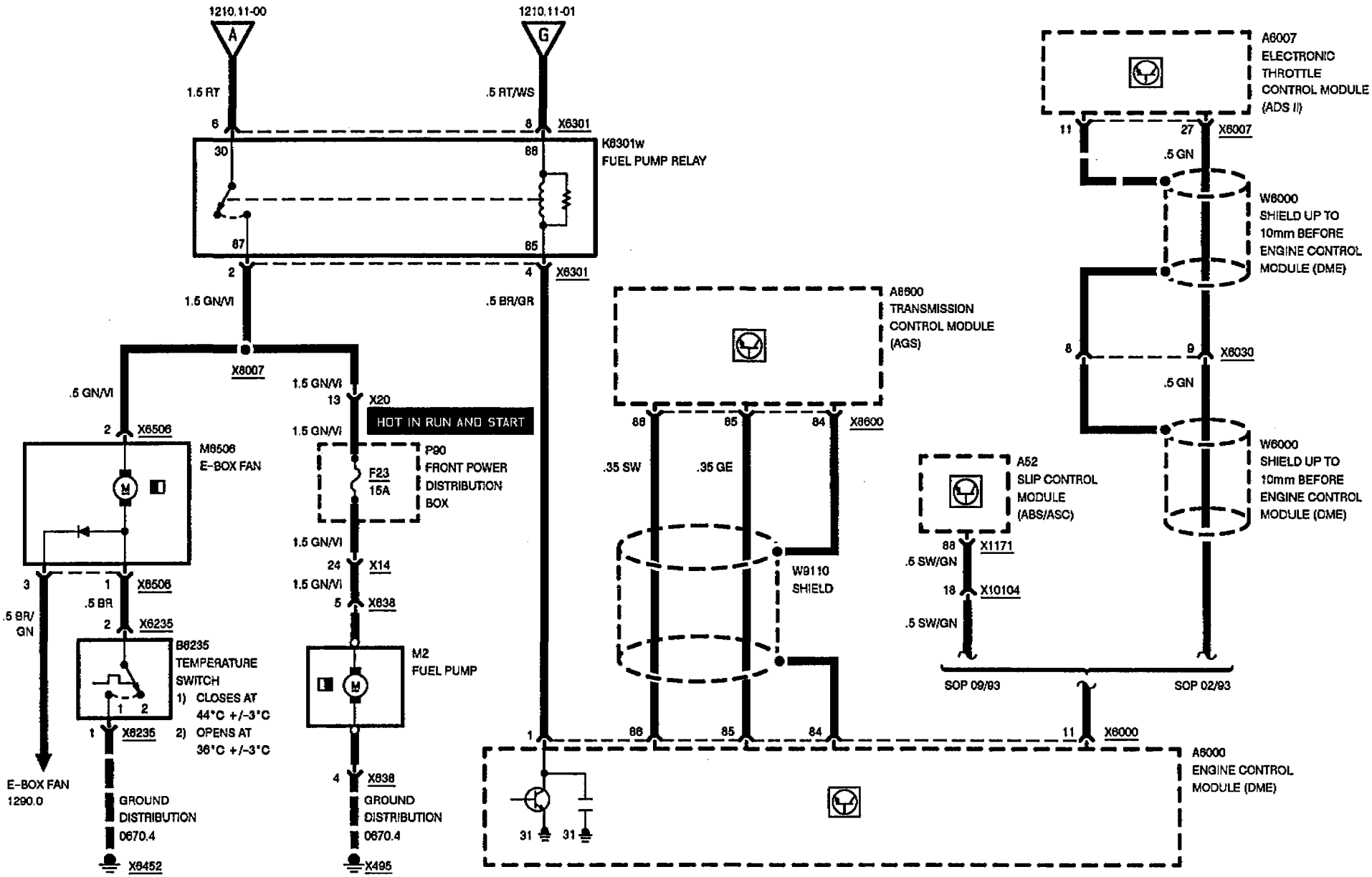
IGNITION COILS



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

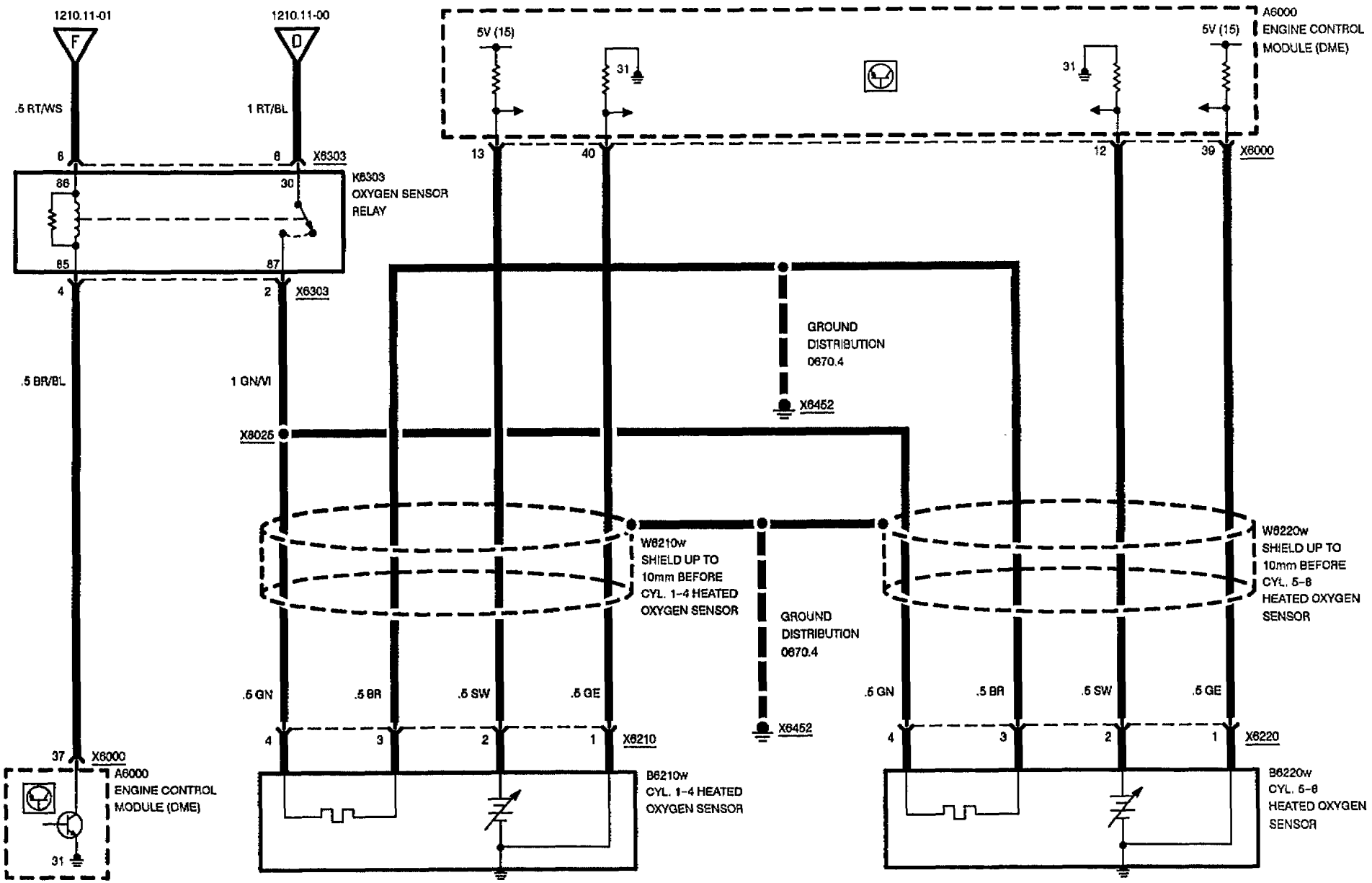
FUEL PUMP



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

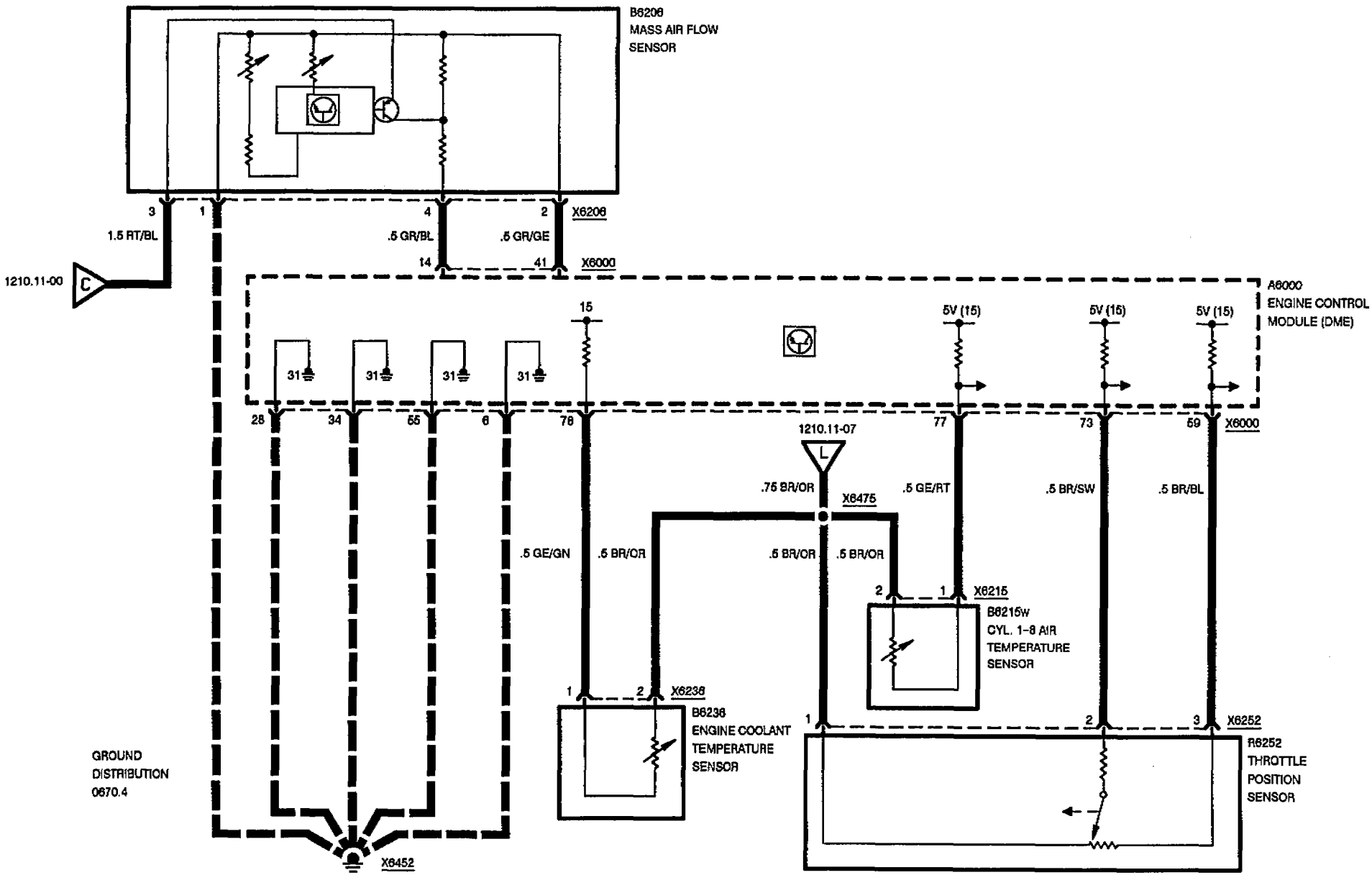
OXYGEN SENSORS



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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

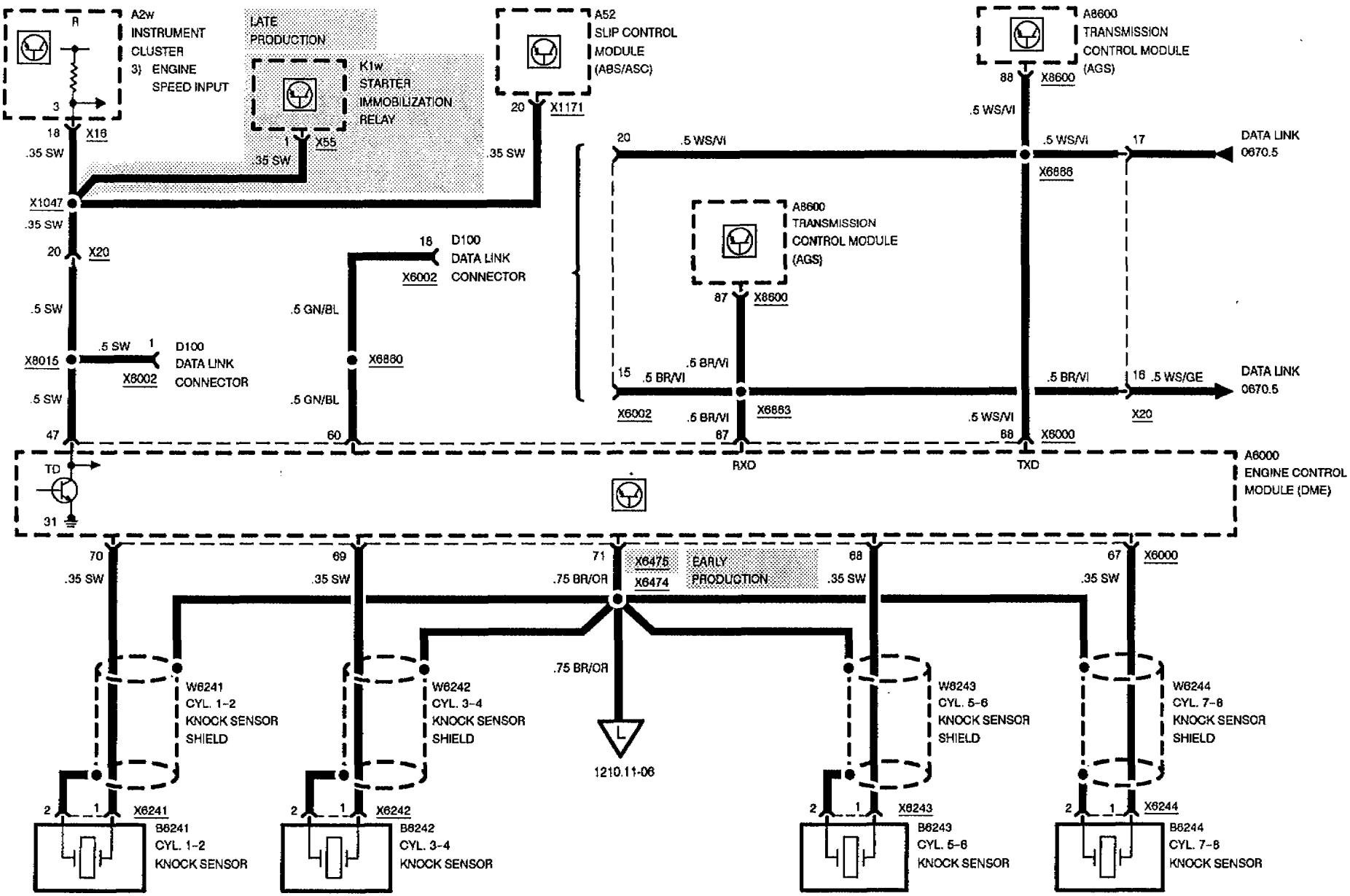
SENSORS



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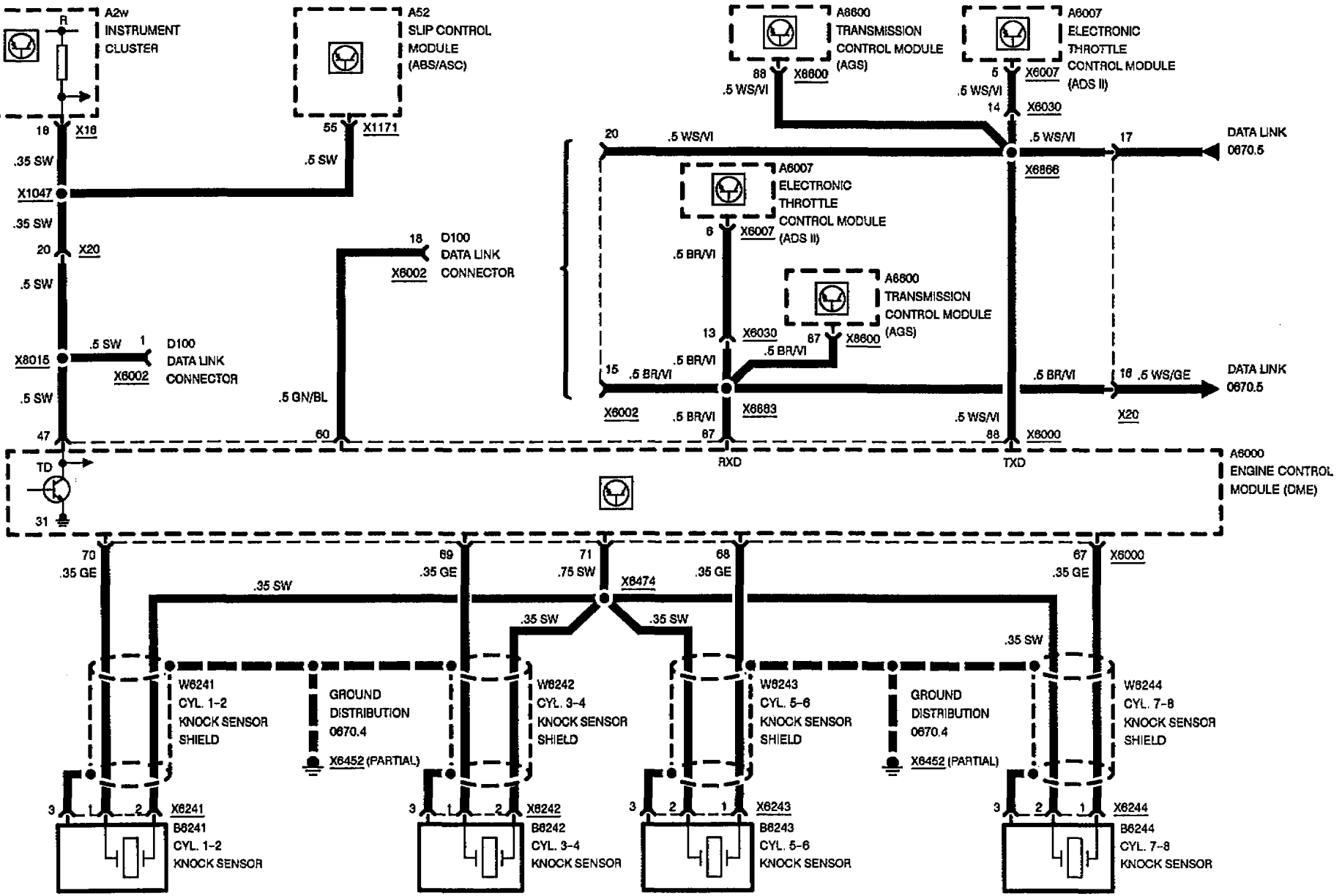
ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

DATA LINK, KNOCK SENSORS



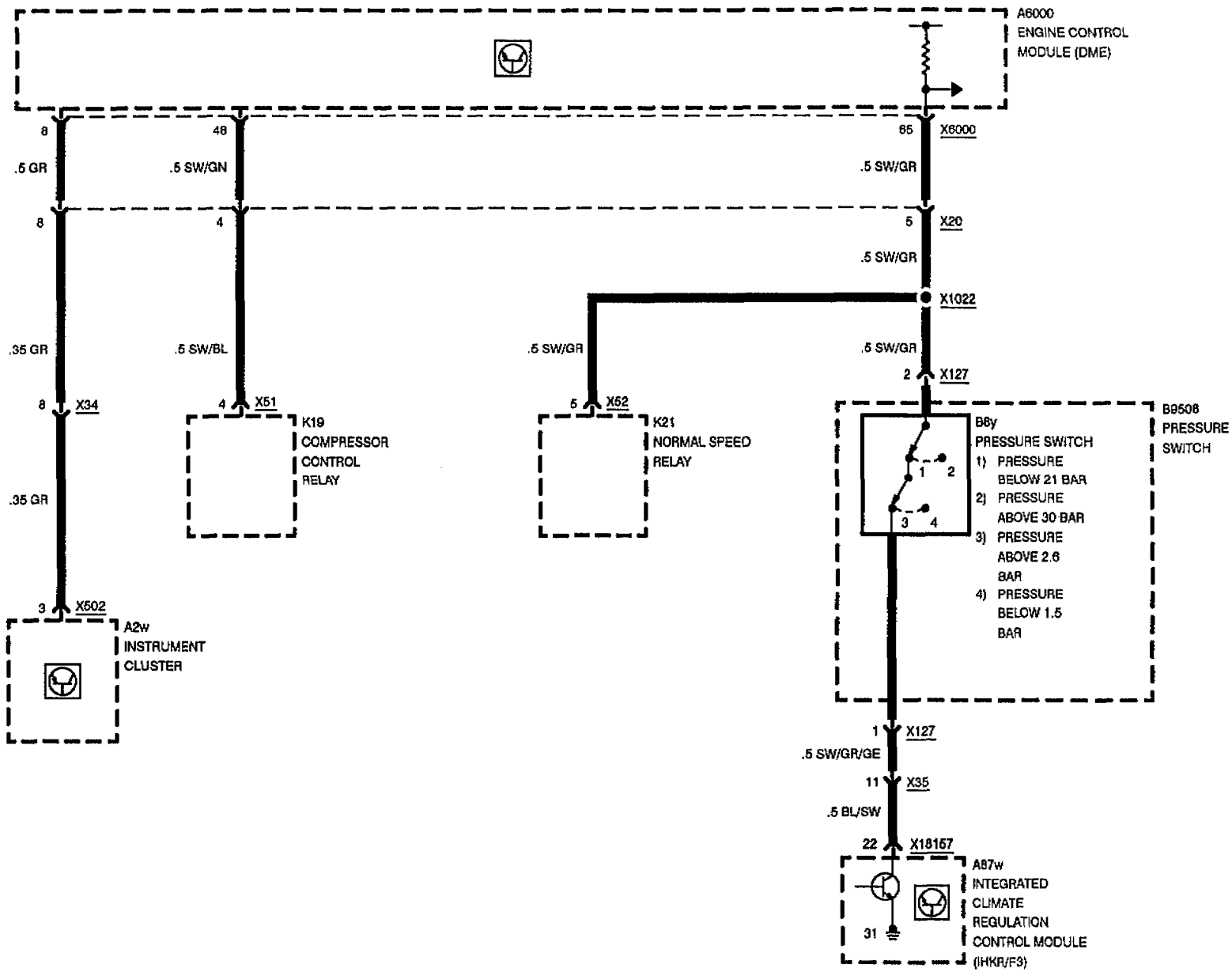
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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60) SOP 02/93



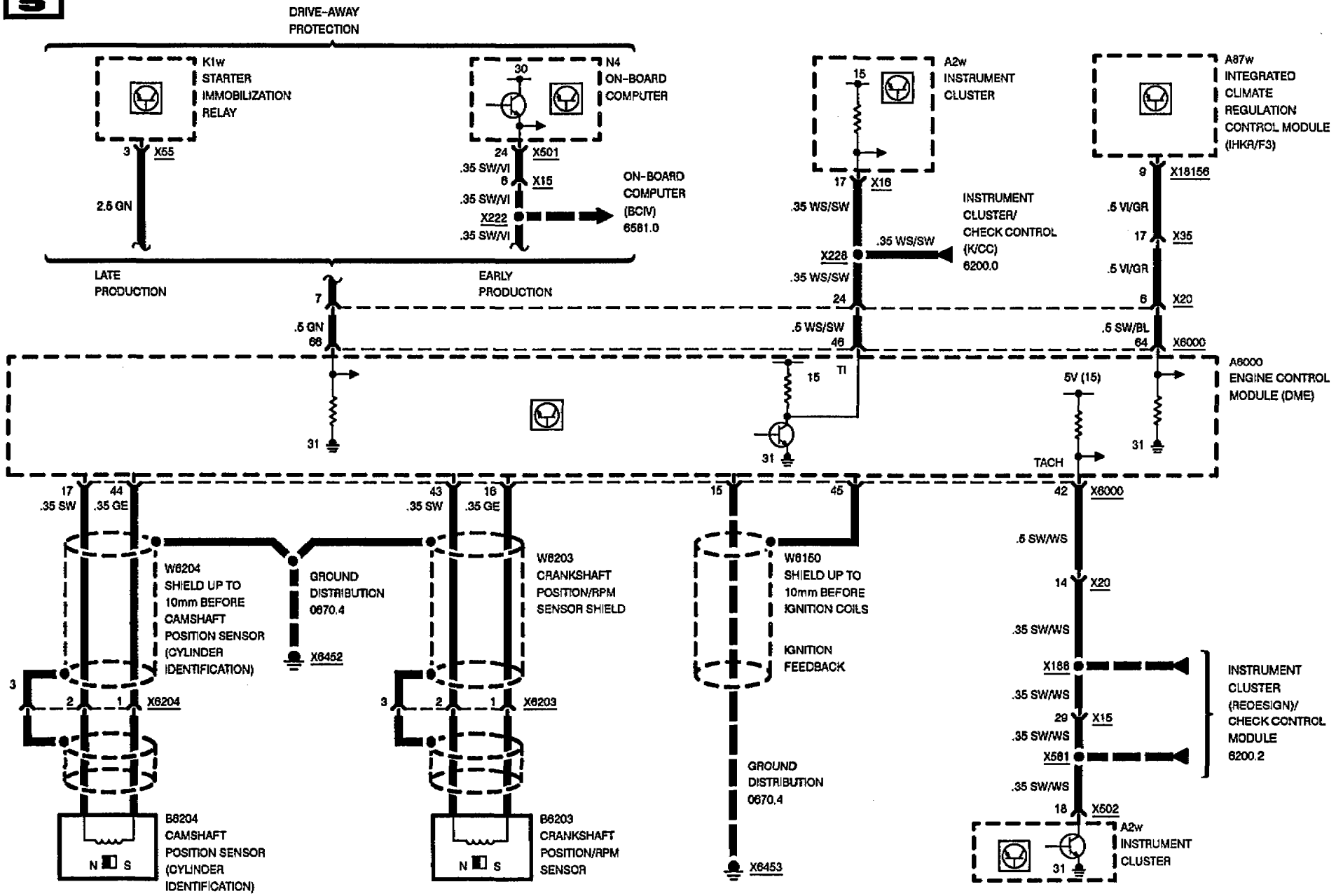
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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)



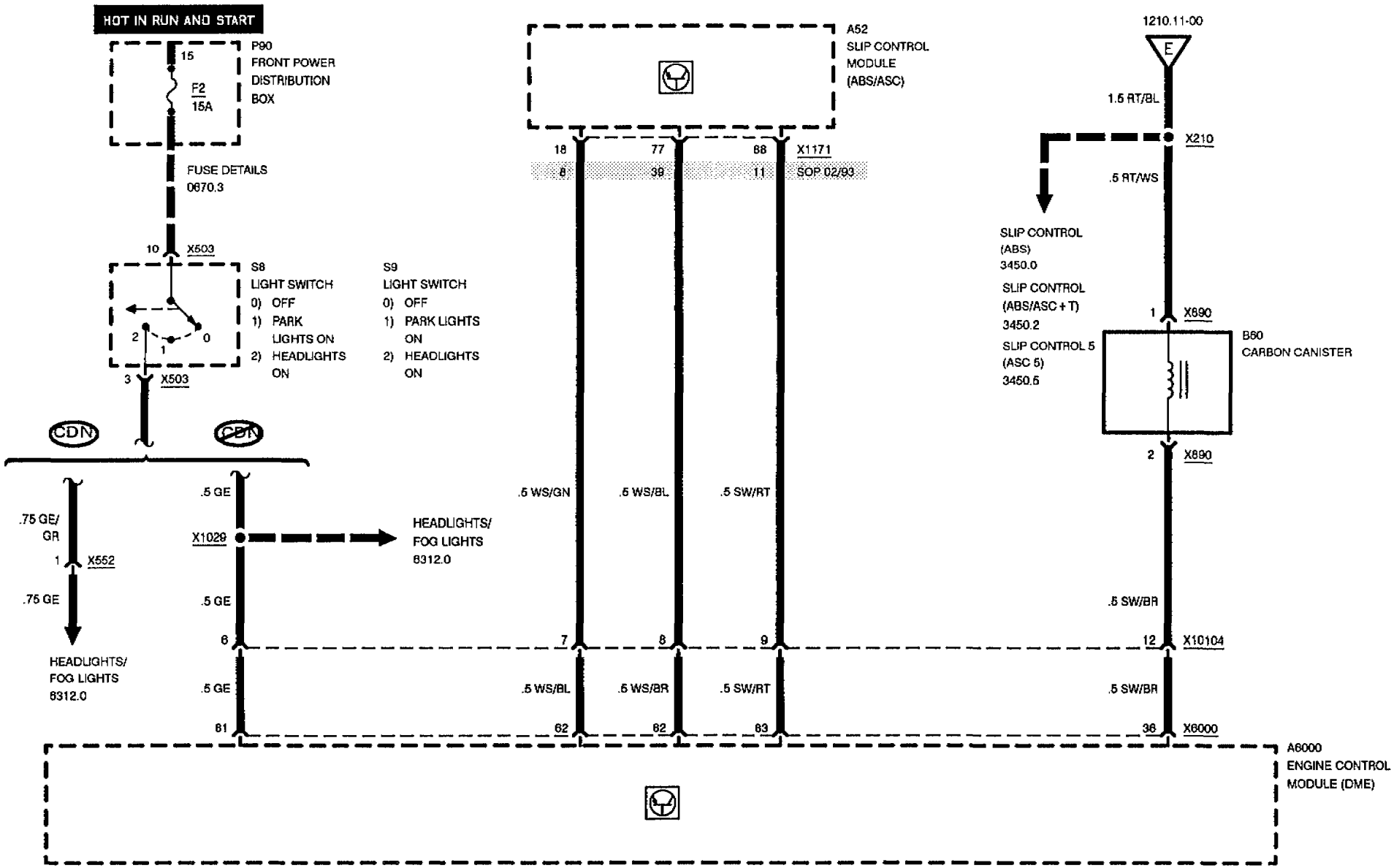
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ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)

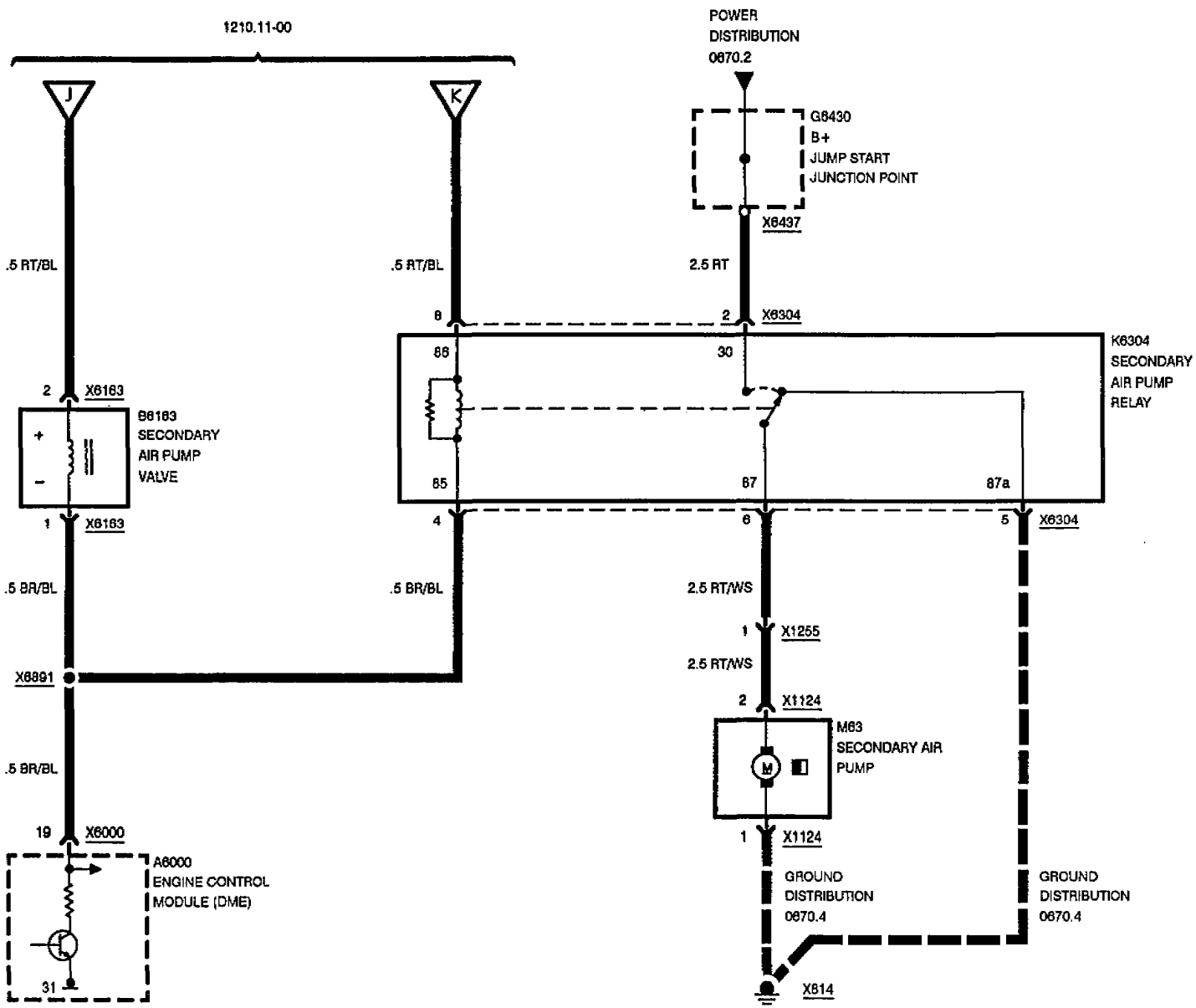


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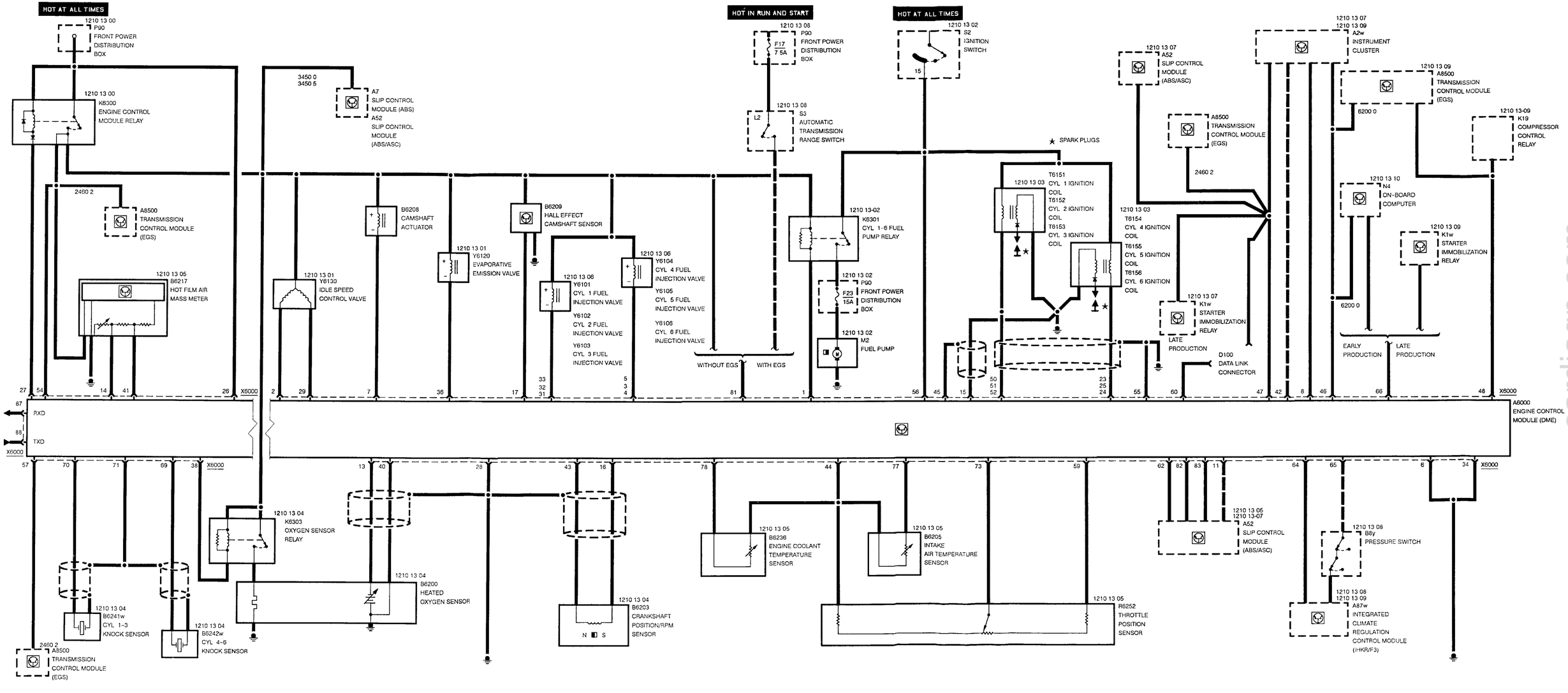
ENGINE CONTROL SYSTEM (DME M3.3, 8-CYLINDER M60)



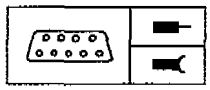
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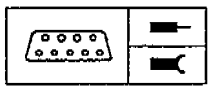
Pin Assignments

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	Instrument cluster
9		Not used	
10		Not used	
11	A	Throttle valve position	Slip control module (ABS/ASC)
12		Not used	
13	E	Oxygen sensor signal	Heated oxygen sensor
14	A	Hot film air mass meter	Hot film air mass meter
15	M	Ground	Ground point
16	E	Crankshaft RPM sensor + signal	Crankshaft RPM sensor
17	E	Crankshaft 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	Terminal 30 voltage supply	B + junction point
27	A	Engine control module relay control	Engine control module relay
28	M	Ground for electronics and shielding of sensors	Ground point

E = Input, A = Output, M = Ground

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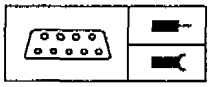


Pin Assignments

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	Evaporation emission valve control	Evaporative emission valve
37		Not used	
38	A	Oxygen sensor, heater control	Oxygen sensor relay
39		Not used	
40	M	Oxygen sensor signal ground	Heated oxygen sensor
41	E	Hot film air mass meter	Hot film air mass meter
42	E	Vehicle speed signal TD	Instrument cluster
43	E	Crankshaft RPM sensor – signal	Crankshaft RPM sensor
44	A	Ground for sensors	Engine intake air temperature sensor, engine coolant temperature sensor, and throttle position sensor
45	A	Ground	Shield ignition
46	A	ti measurement signal (fuel consumption)	Instrument cluster
47	A	Crankshaft RPM speed signal TD	Instrument cluster
48	A	A/C compressor control	Compressor control relay
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
55	M	Ground, ignition	Ground point
56	E	Ignition switch, terminal 15	Ignition switch
57	E	Ignition timing intervention	Transmission control module (EGS)

E = Input, A = Output, M = Ground

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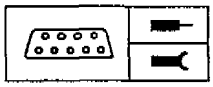


Pin Assignments

Pin	Type	Description/Function	Connection
58		Not used	
59	A	5V Component supply	Throttle position sensor
60	E	Programming voltage	Data link connector
61		Not used	
62	A	Throttle valve angle position signal	Slip control module (ABS/ASC + T)
63		Not used	
64	E	Compressor signal	Integrated climate regulation control module
65	E	A/C pressure signal	Pressure switch
66	E	Drive-away protection signal (code)	On-board computer (Early Production) Starter immobilization relay (Late Production)
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 shield	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	Transmission range switch
82	E	Throttle valve angle reduction	Slip control module (ABS/ASC + T)
83	E	Throttle valve angle increase	Slip control module (ABS/ASC + T)
84		Not used	
85		Not used	
86		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
87	E	RxD diagnostic data line	Data link connector
88	E/A	TxD diagnostic data line	Data link connector

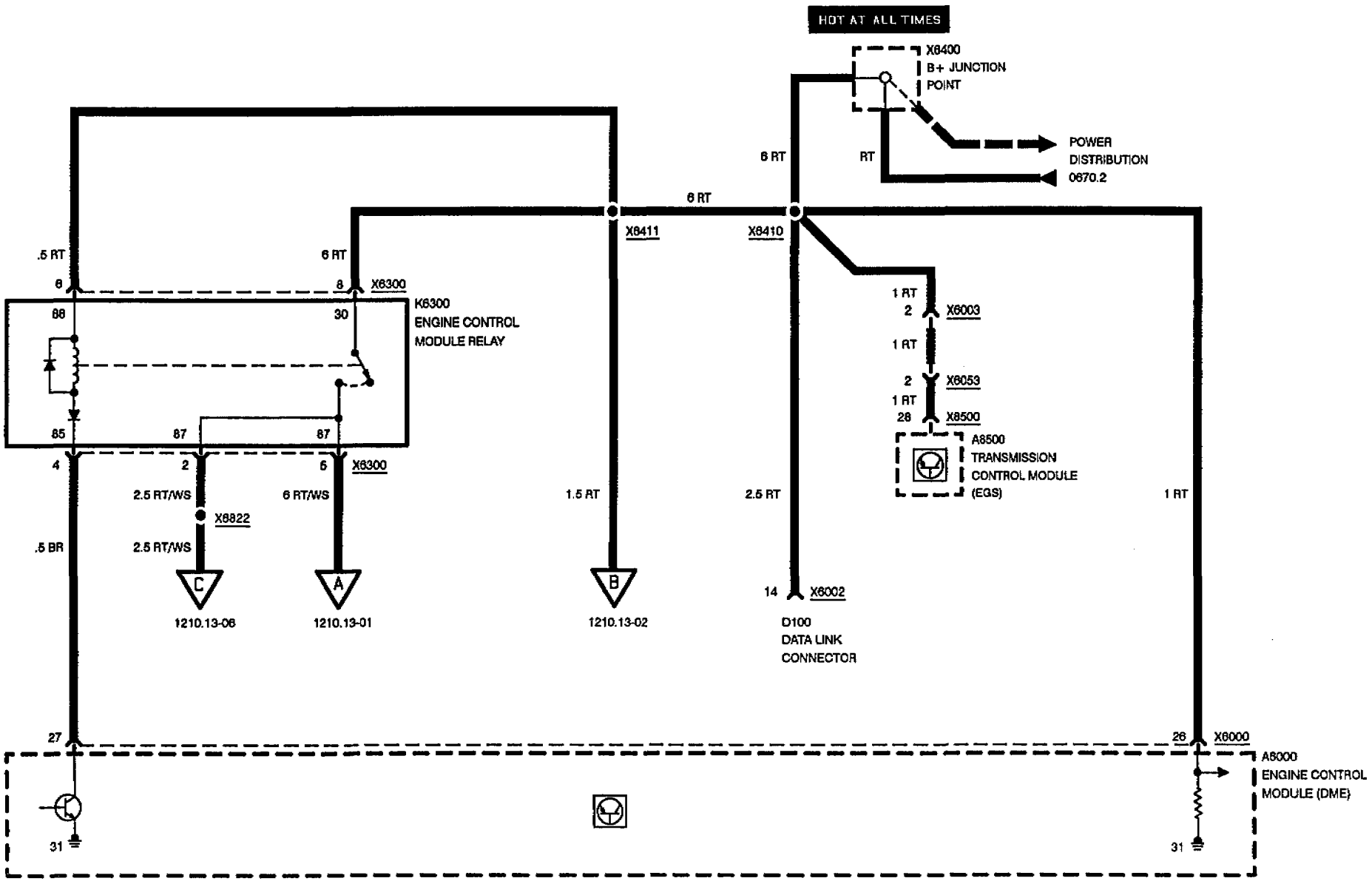
E = Input, A = Output, M = Ground

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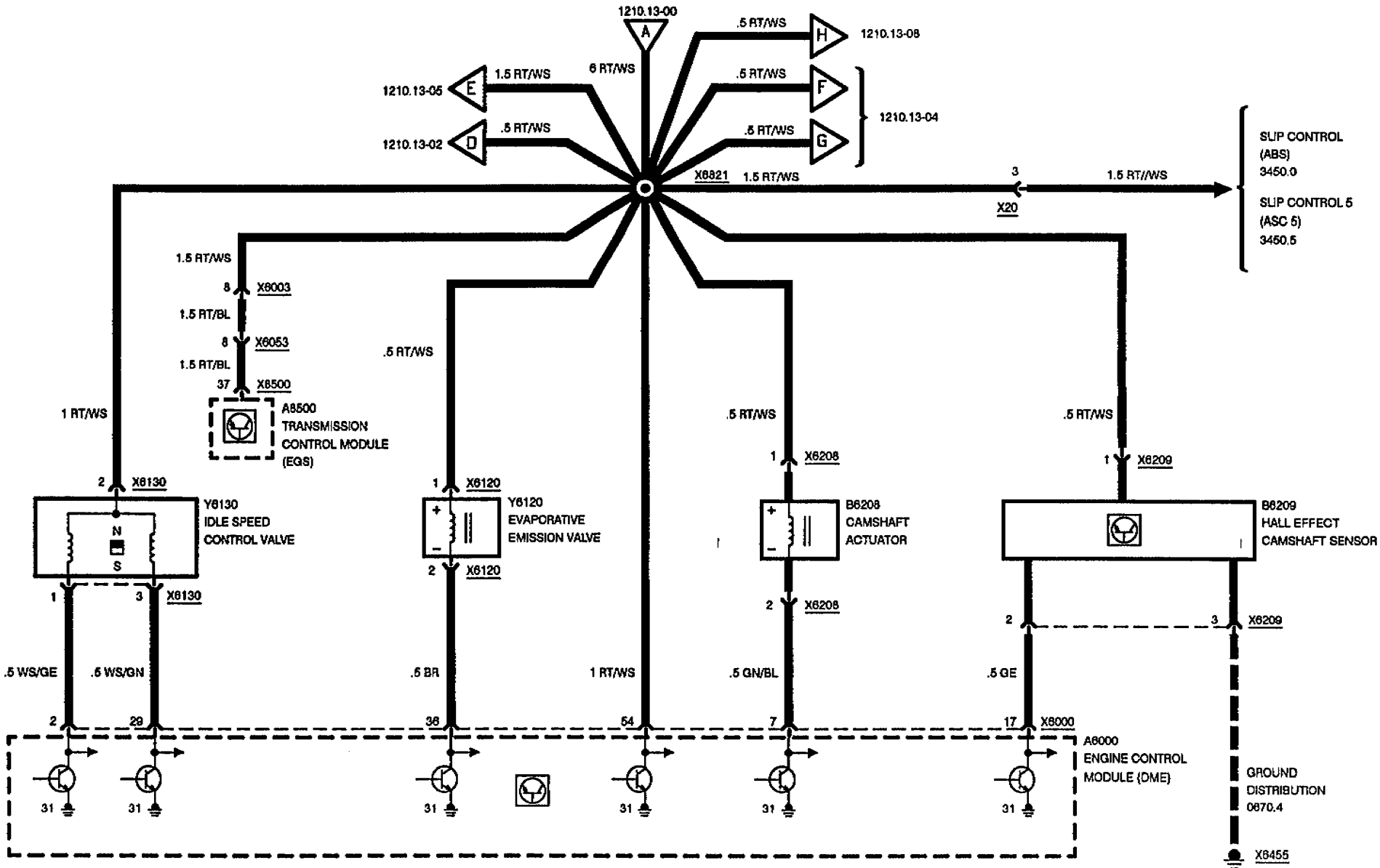
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

POWER



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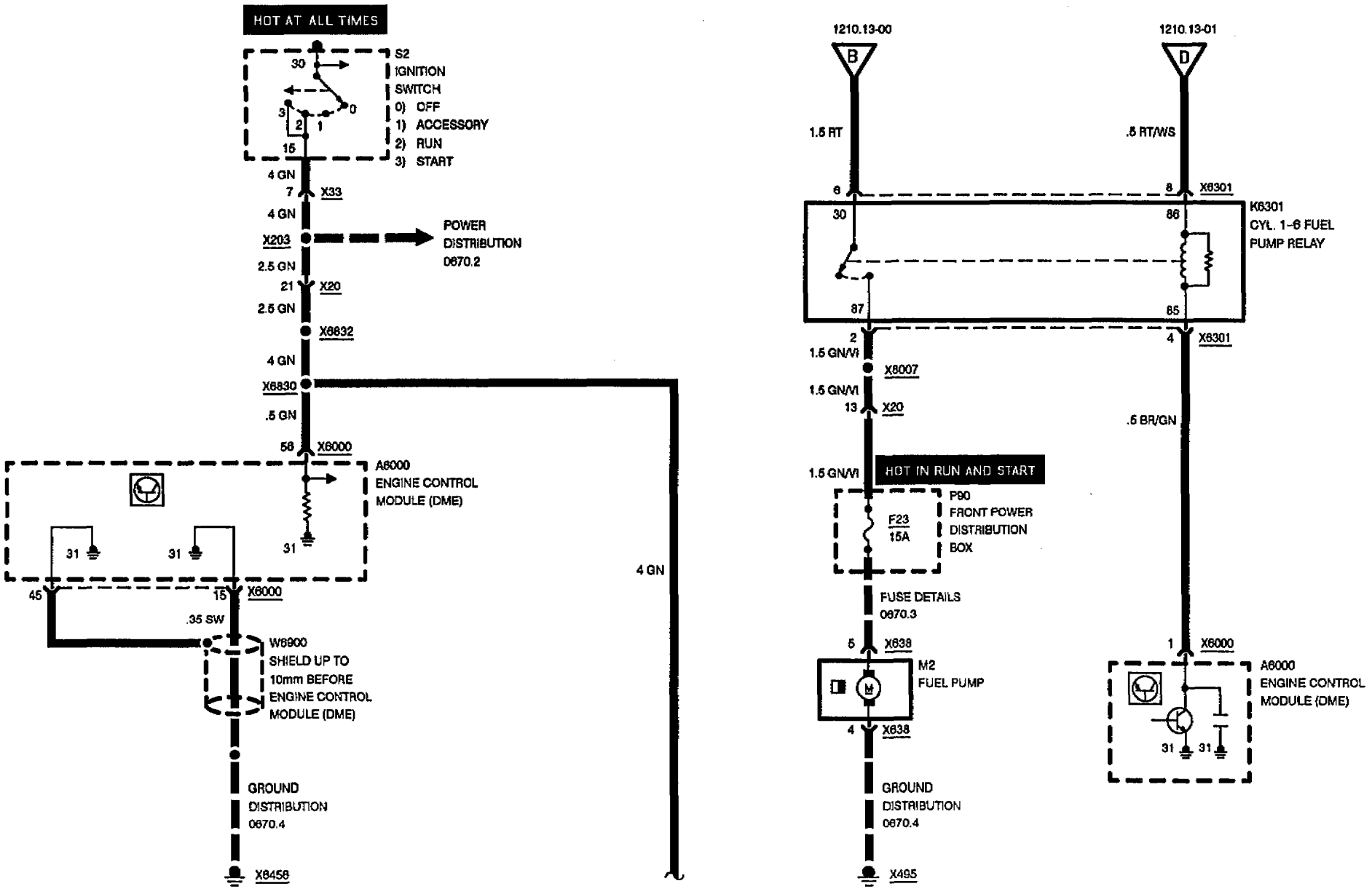
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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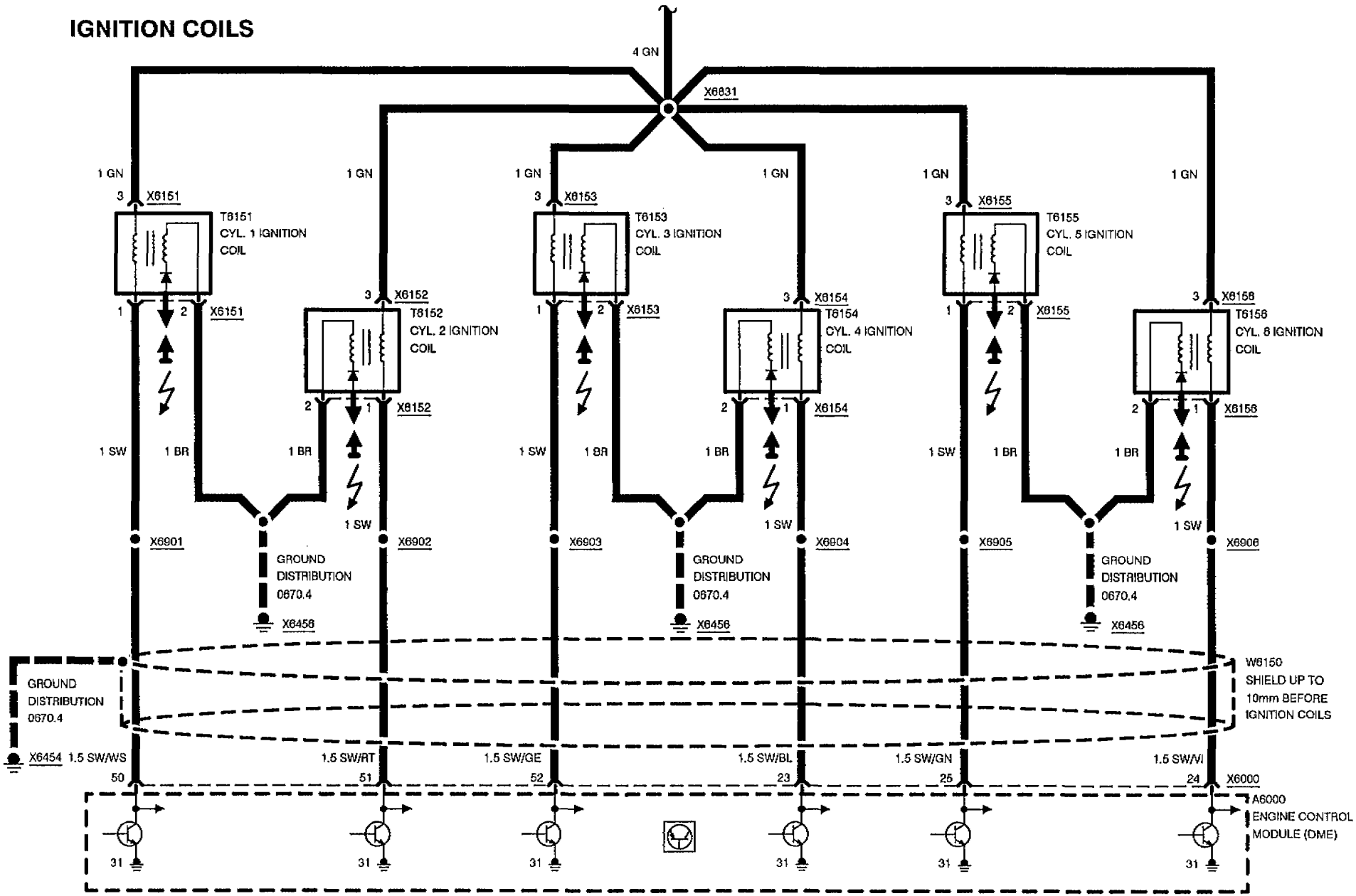
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

FUEL PUMP



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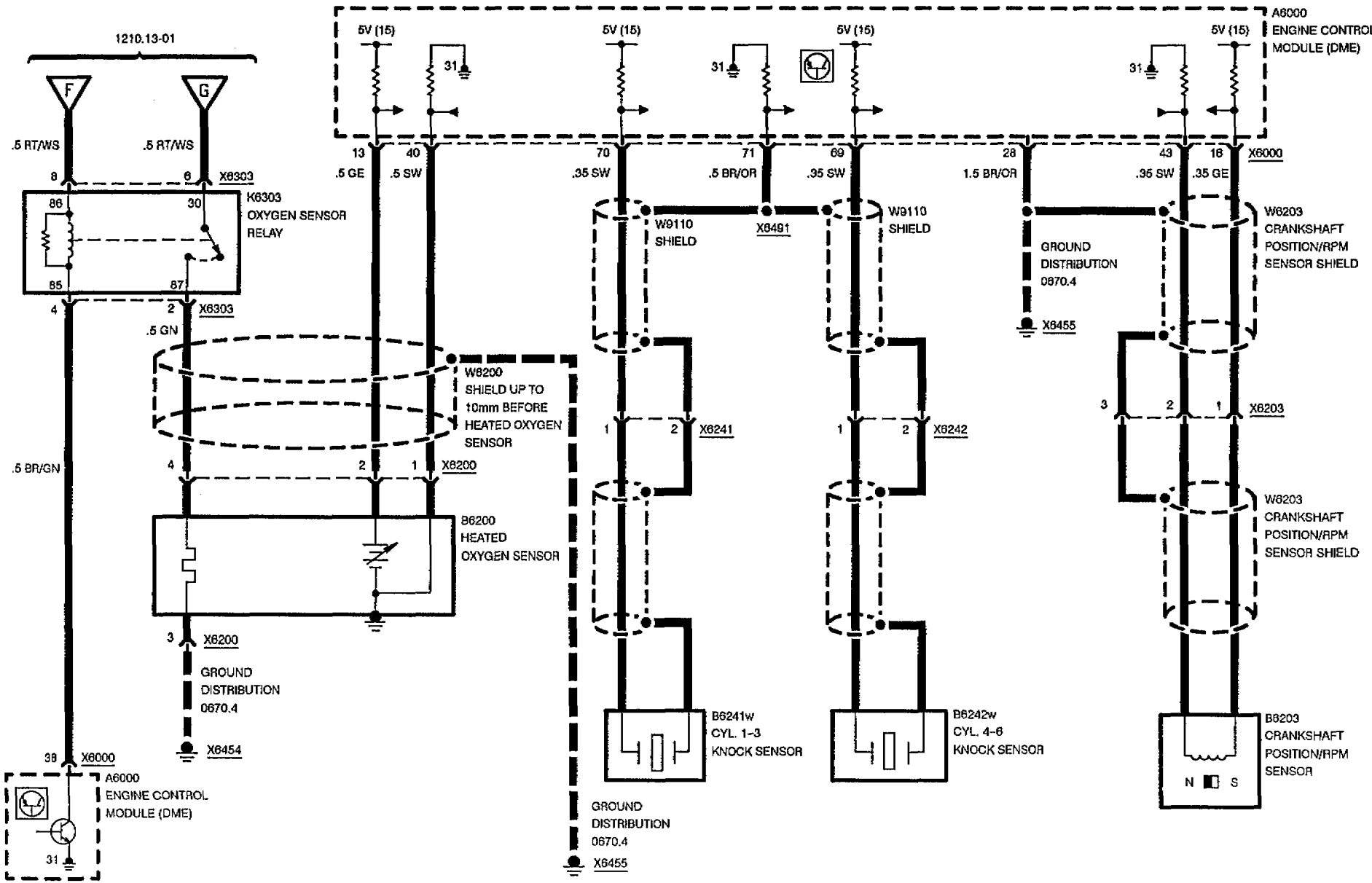
IGNITION COILS



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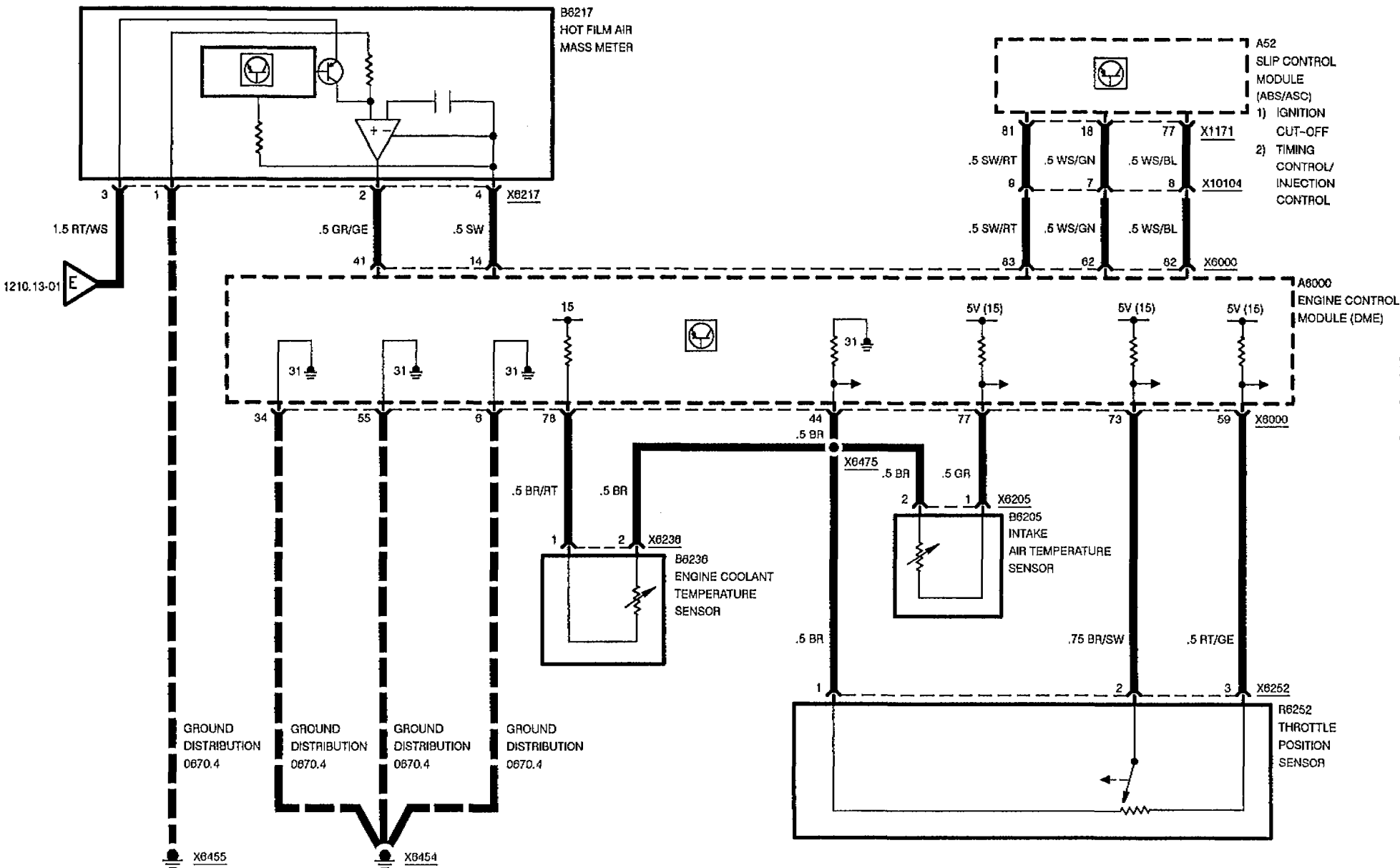
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

SENSORS



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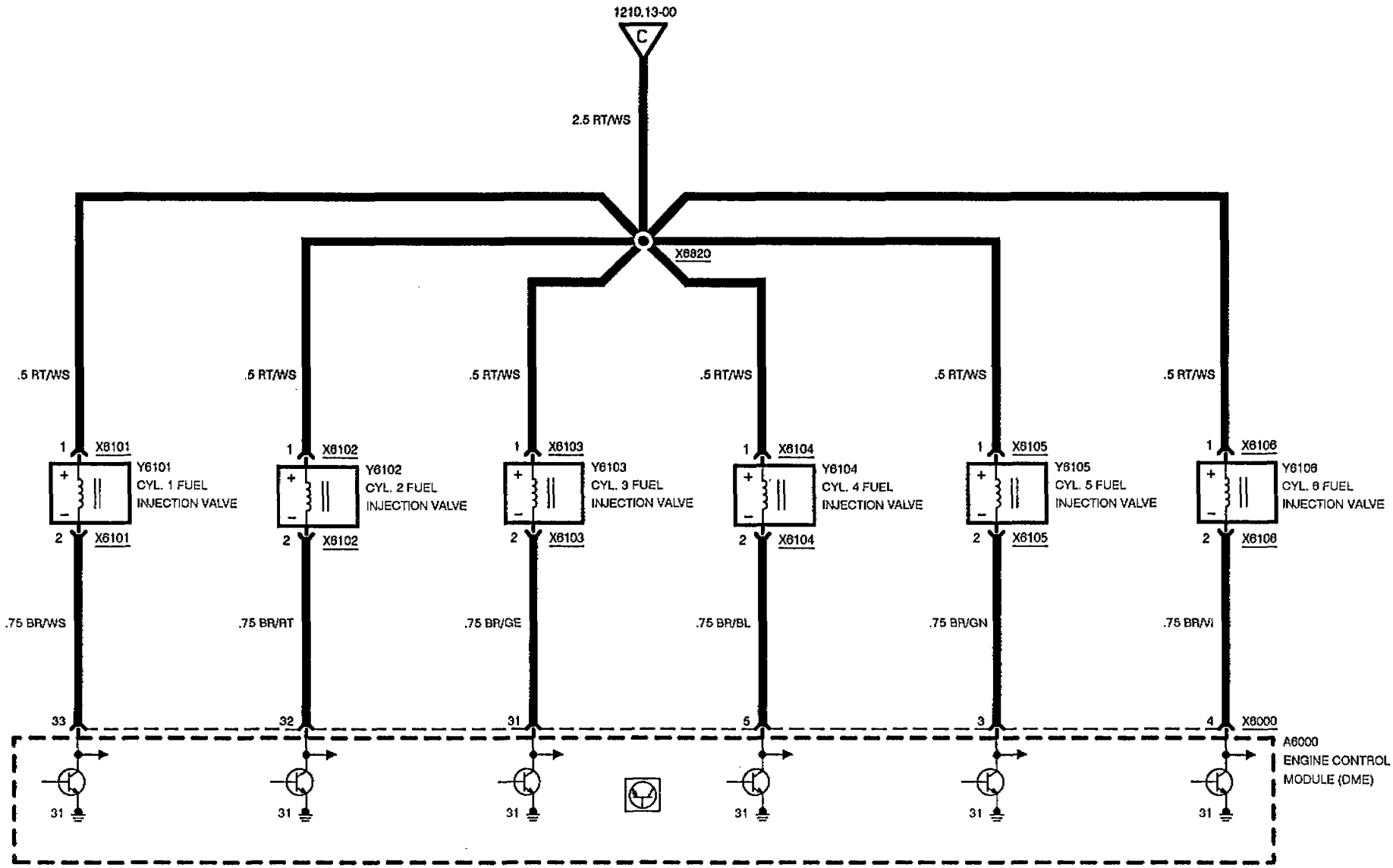
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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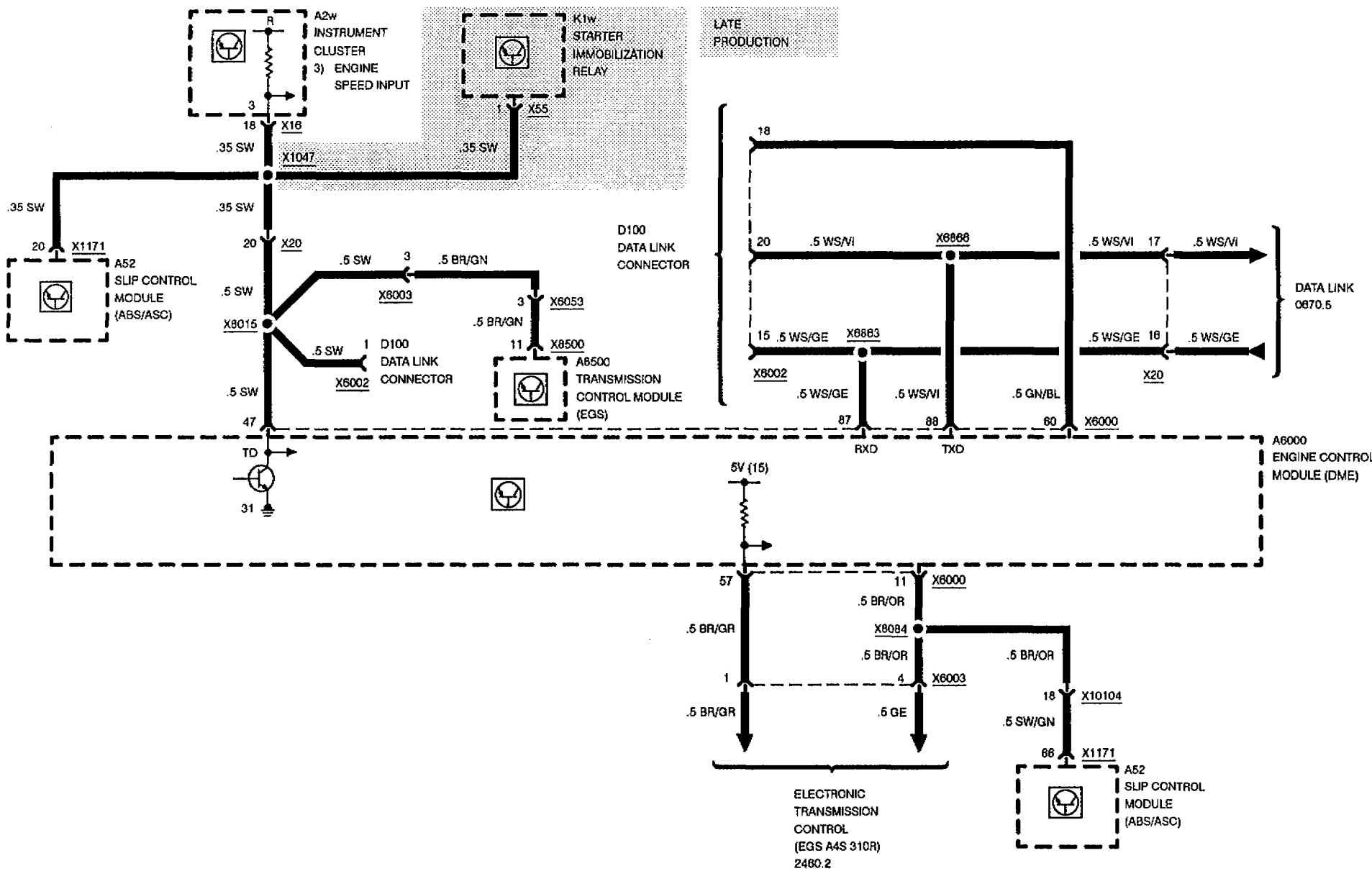
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)

FUEL INJECTION VALVES



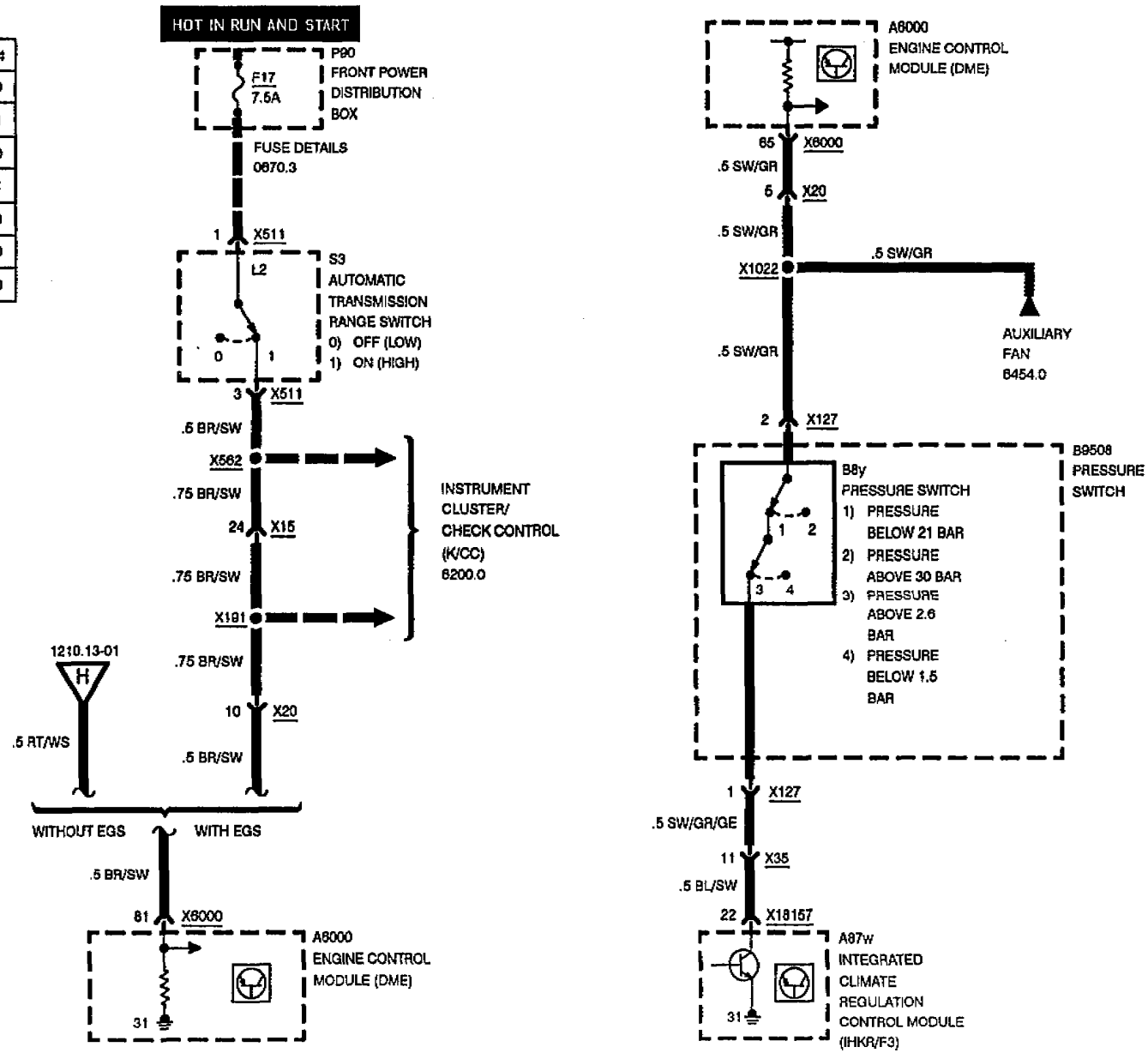
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ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



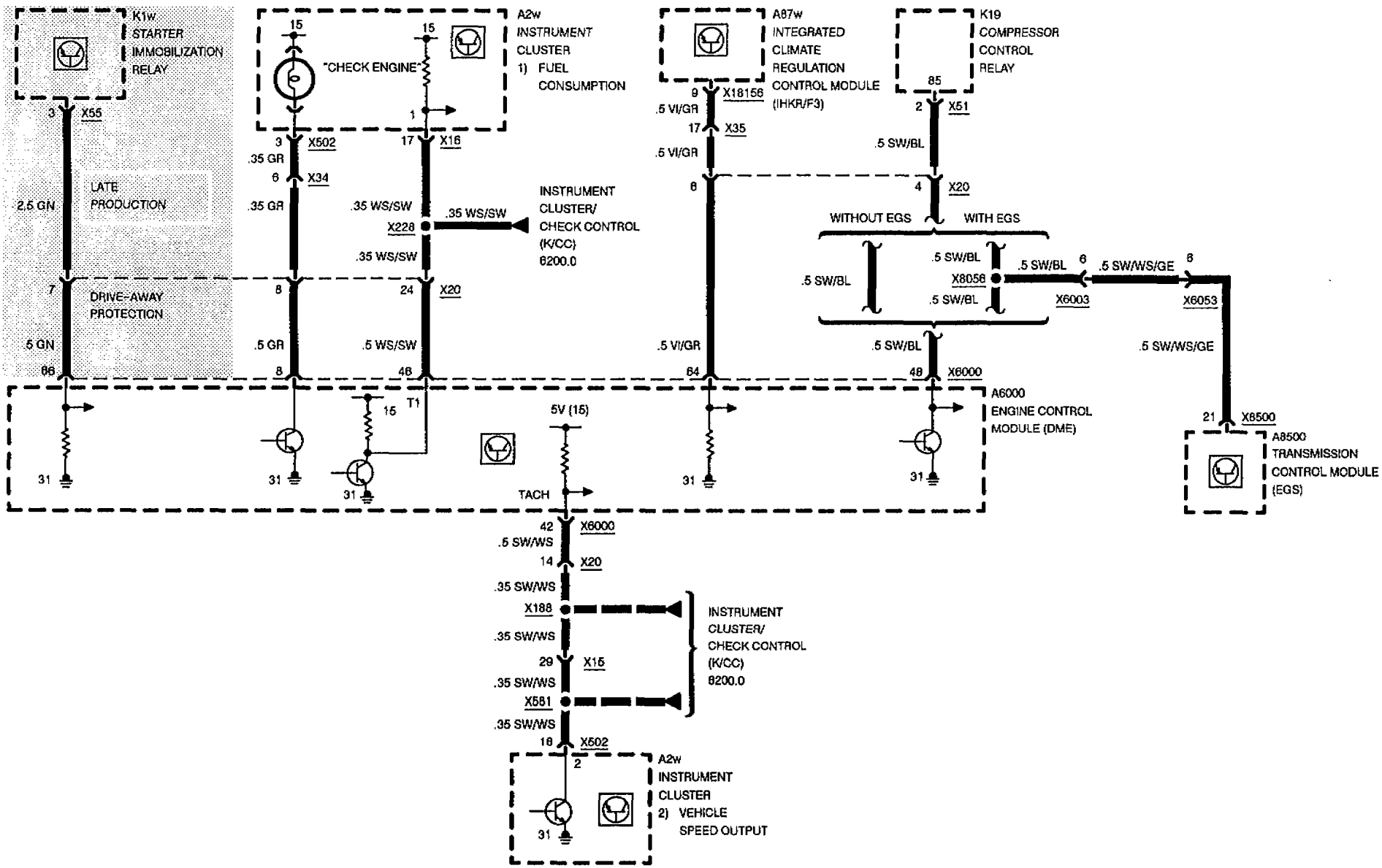
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	L1	L2	L3	L4
P	1	1	0	0
R	1	0	0	1
N	0	1	1	0
D	0	0	0	1
3	0	0	1	0
2	1	0	0	0
1	1	0	1	0



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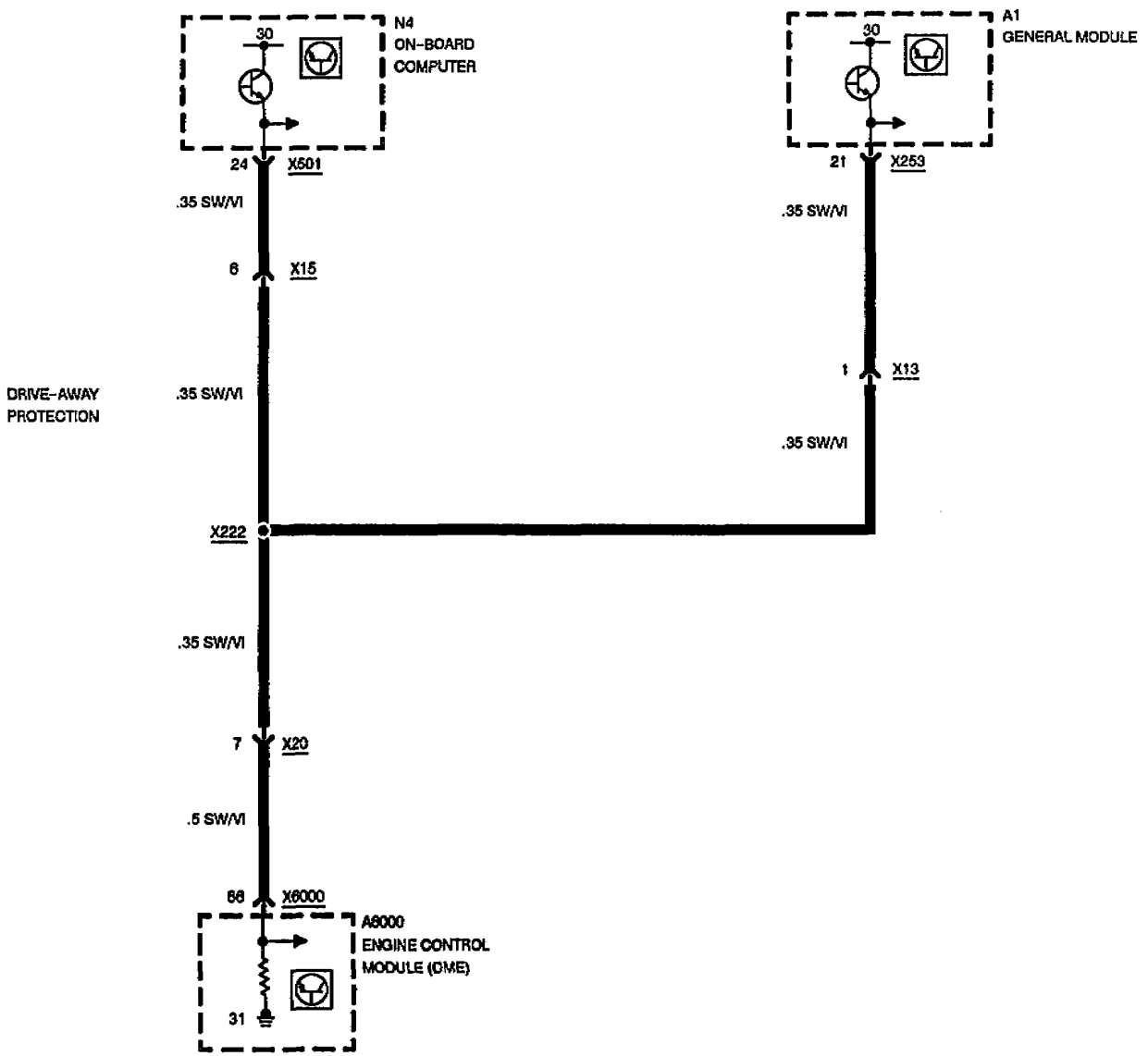
ENGINE CONTROL SYSTEM (DME M3.3.1, 6-CYLINDER M50)



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

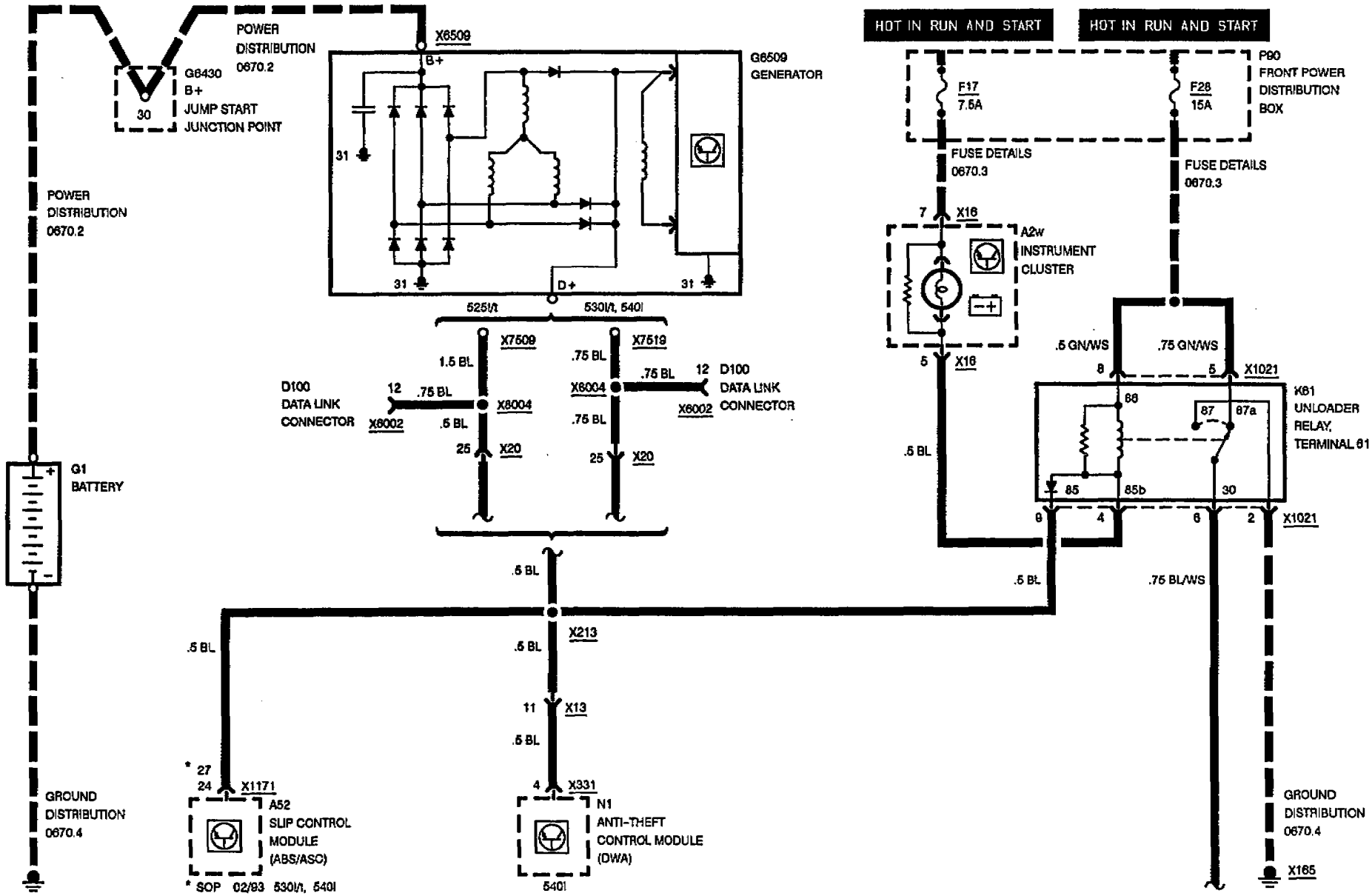
INPUTS, DRIVE AWAY PROTECTION



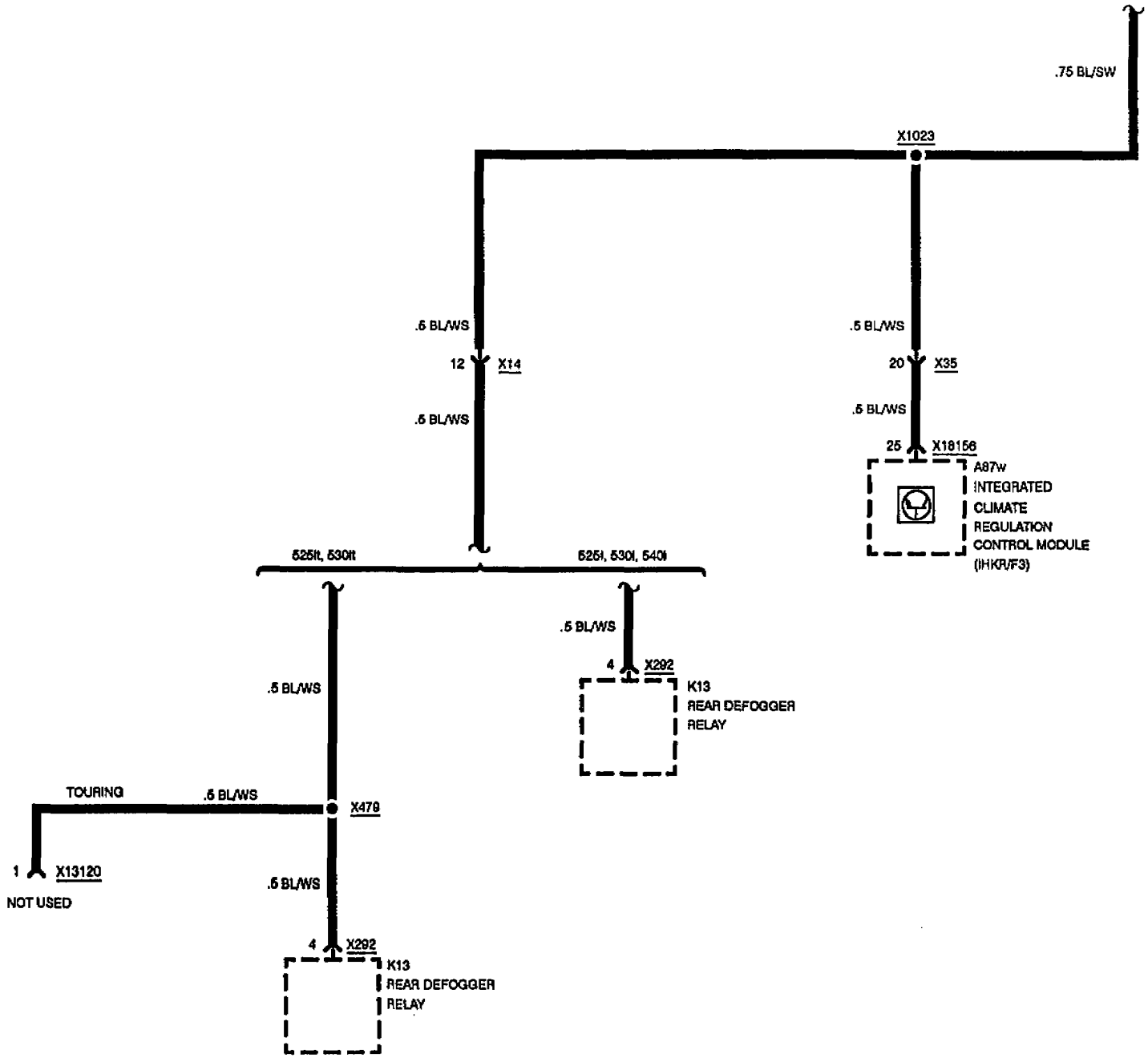
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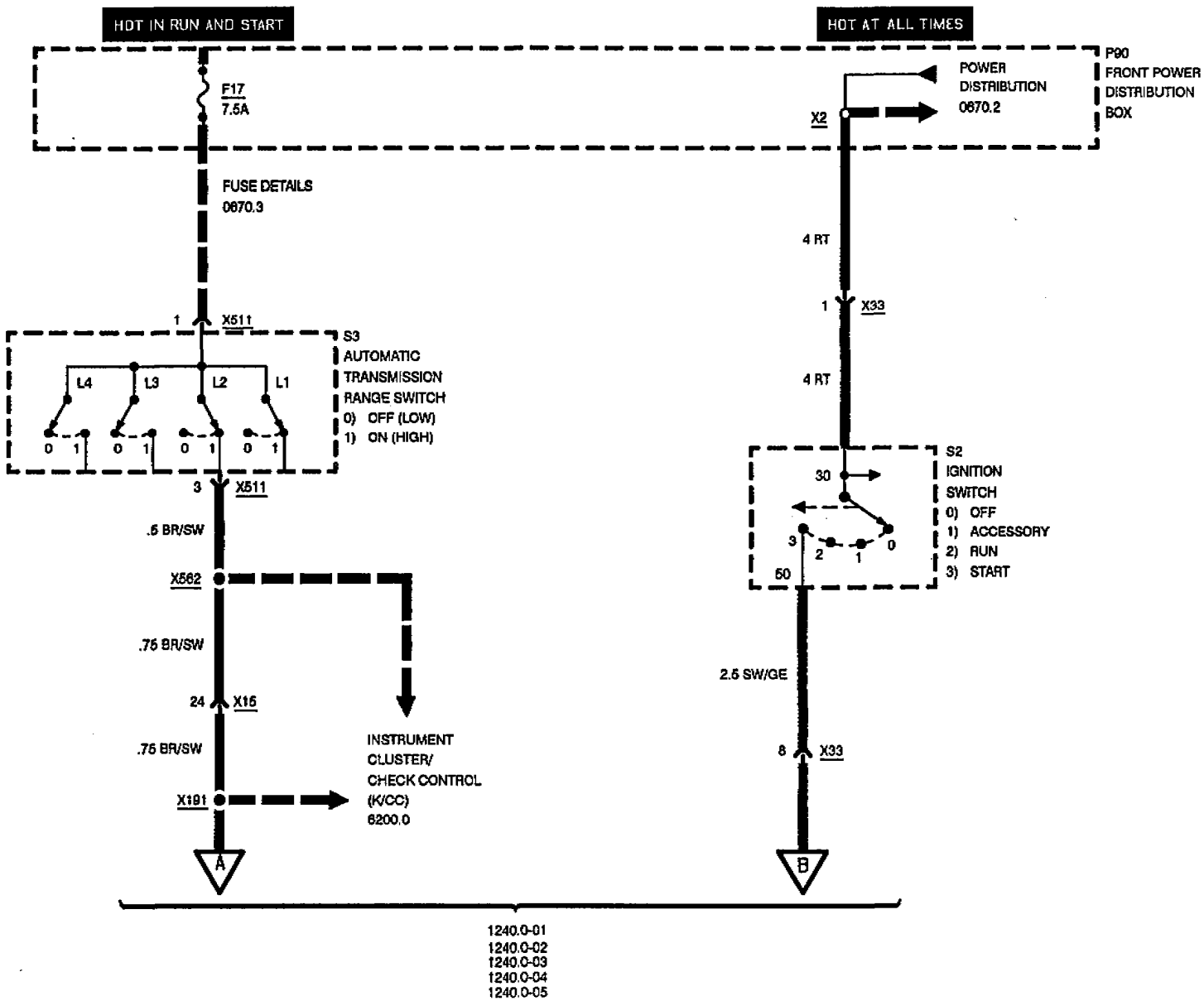
CHARGING SYSTEM



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AGS A5S 310Z
AGS A5S 660Z

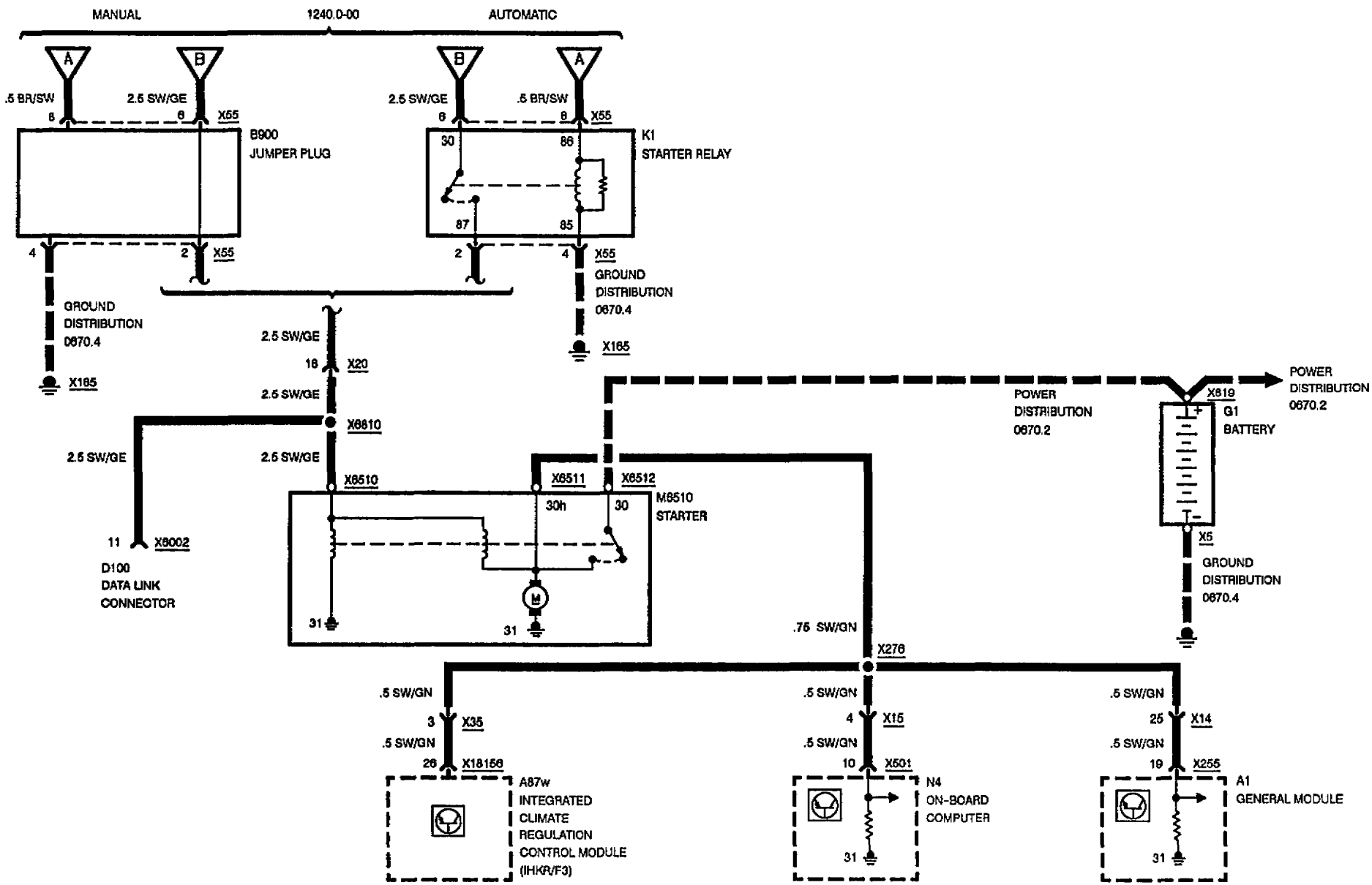
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N	1	1	1	0
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3	1	0	1	1
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EGS A4S 310R

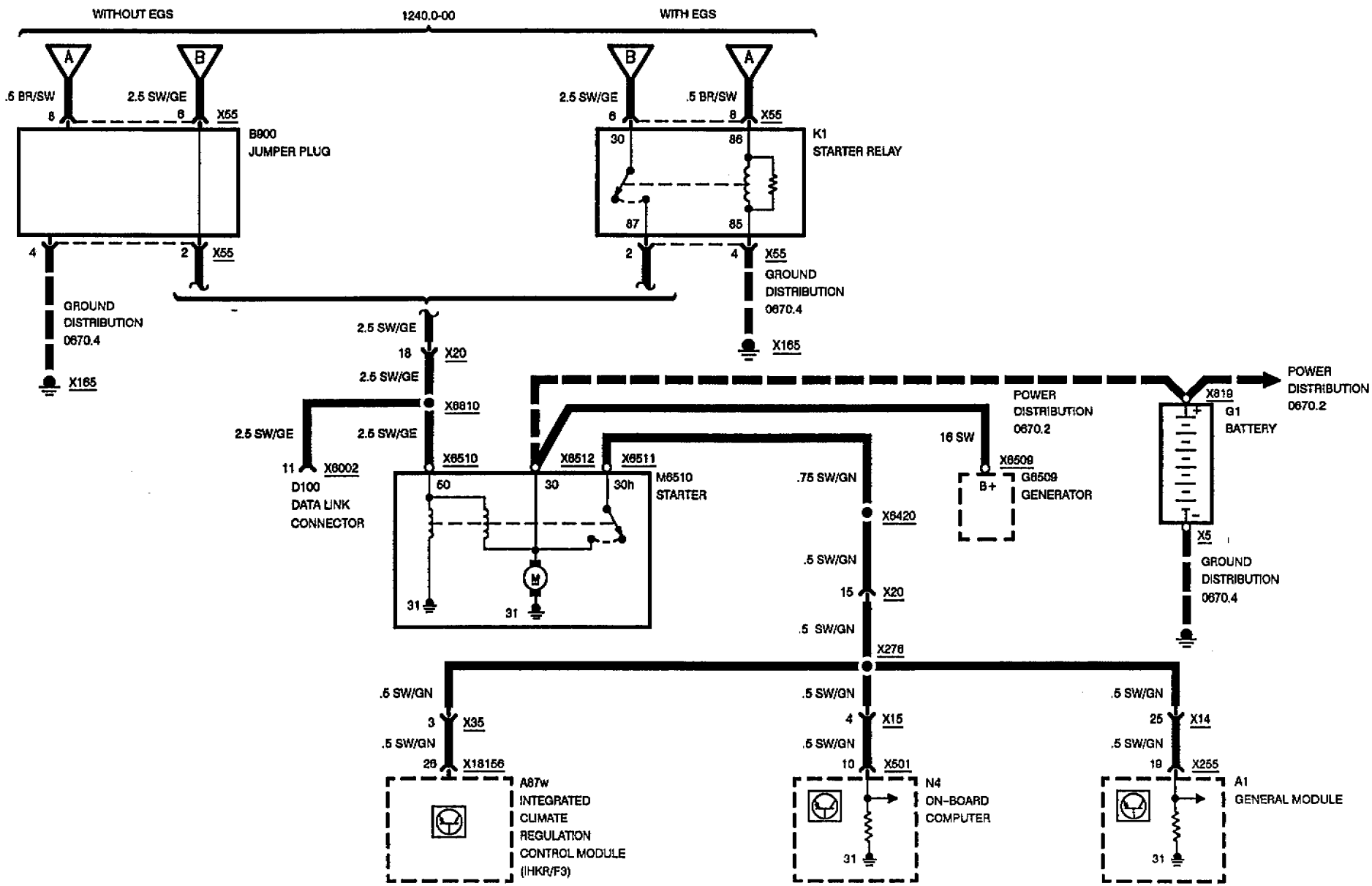
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N	0	1	1	0
D	0	0	0	1
3	0	0	1	0
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1240.0-01
1240.0-02
1240.0-03
1240.0-04
1240.0-05

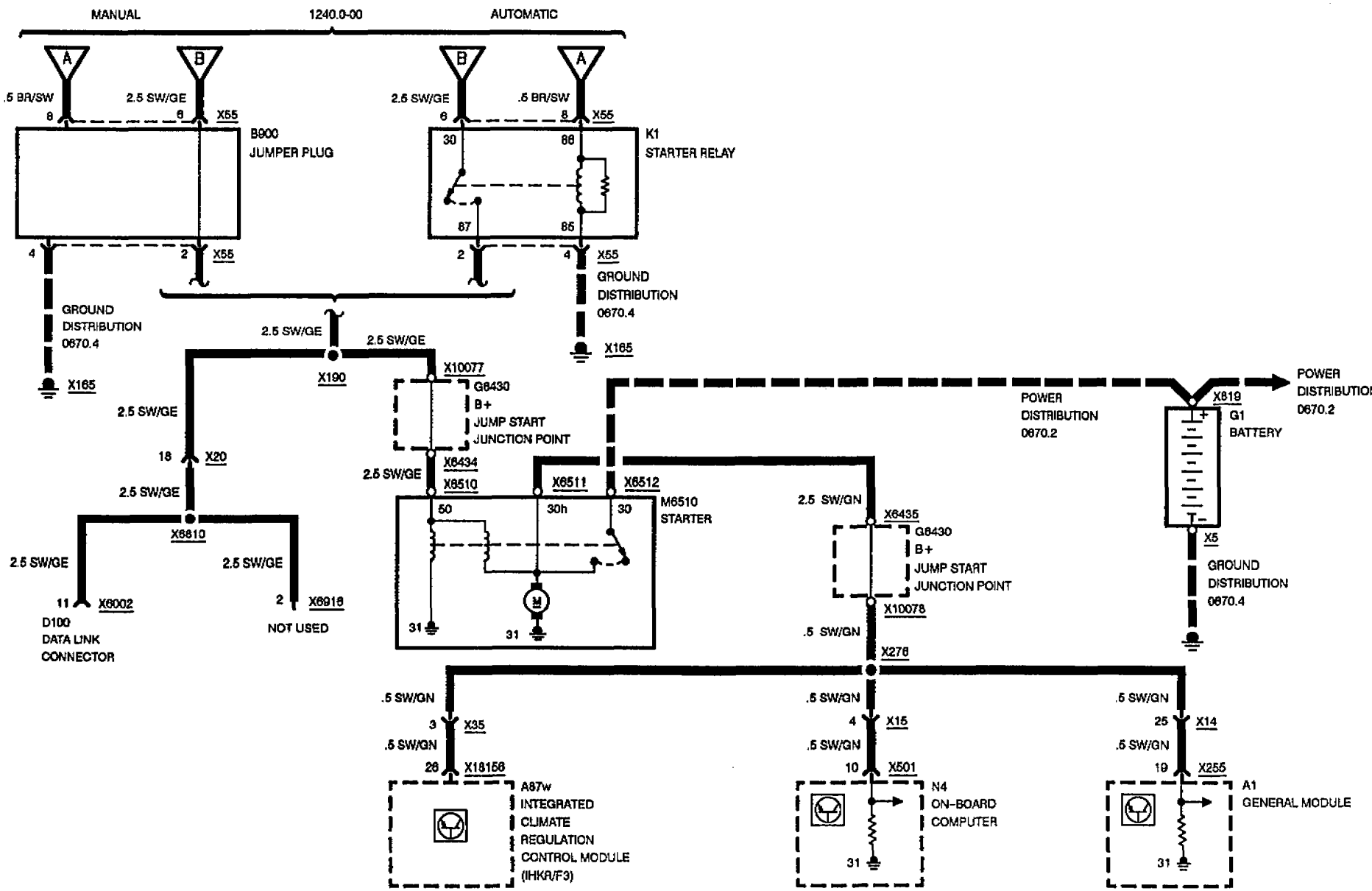
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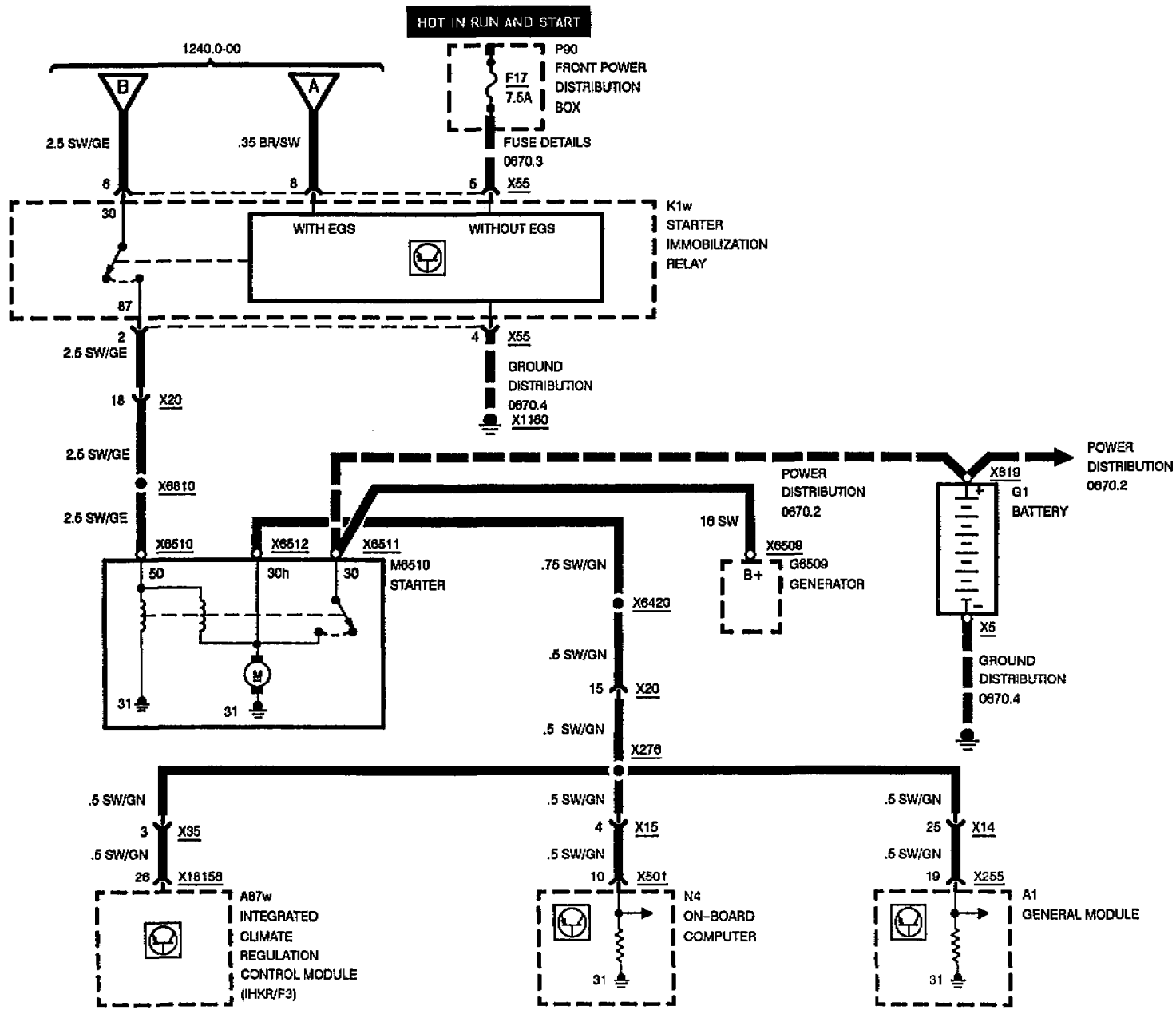
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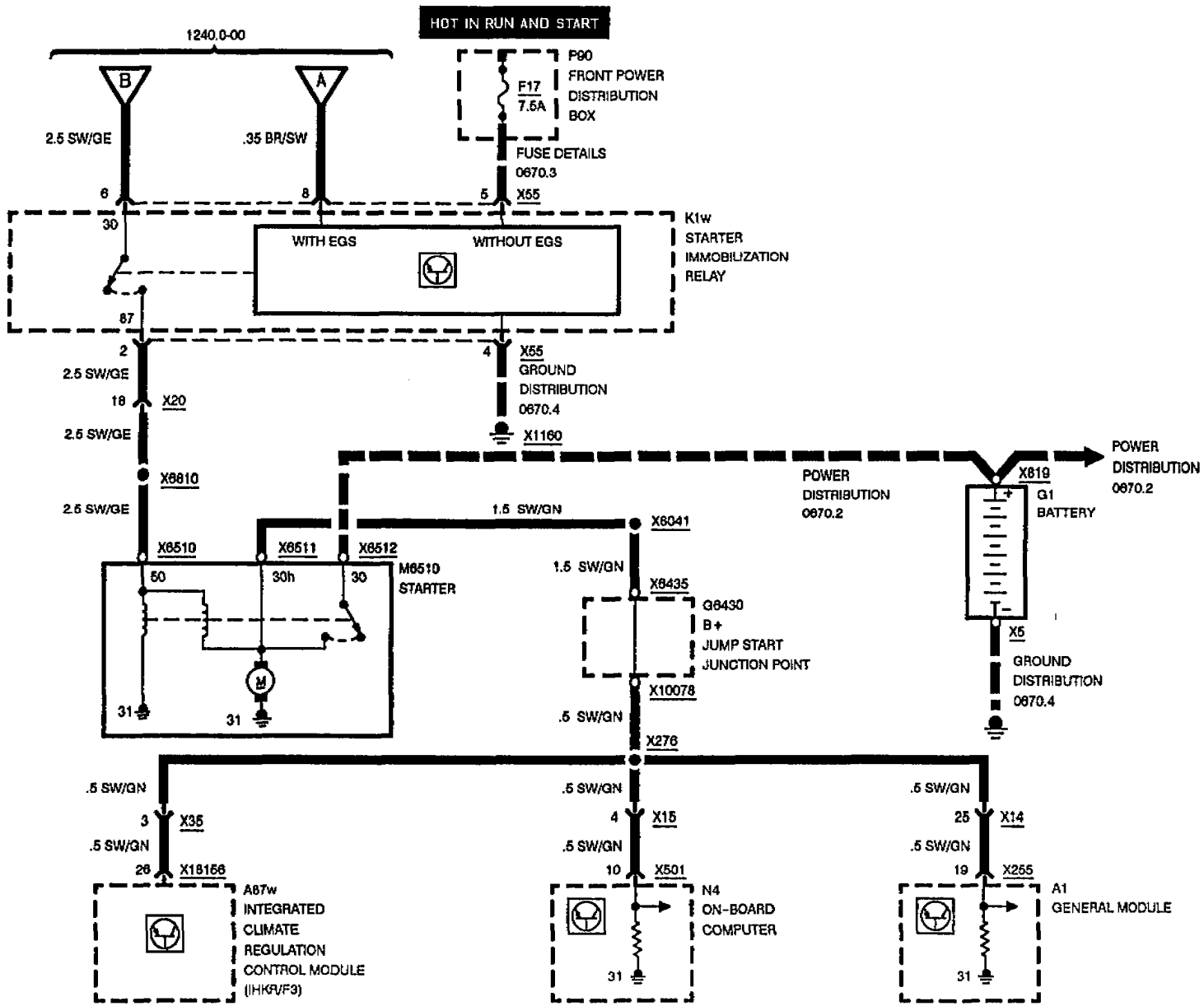
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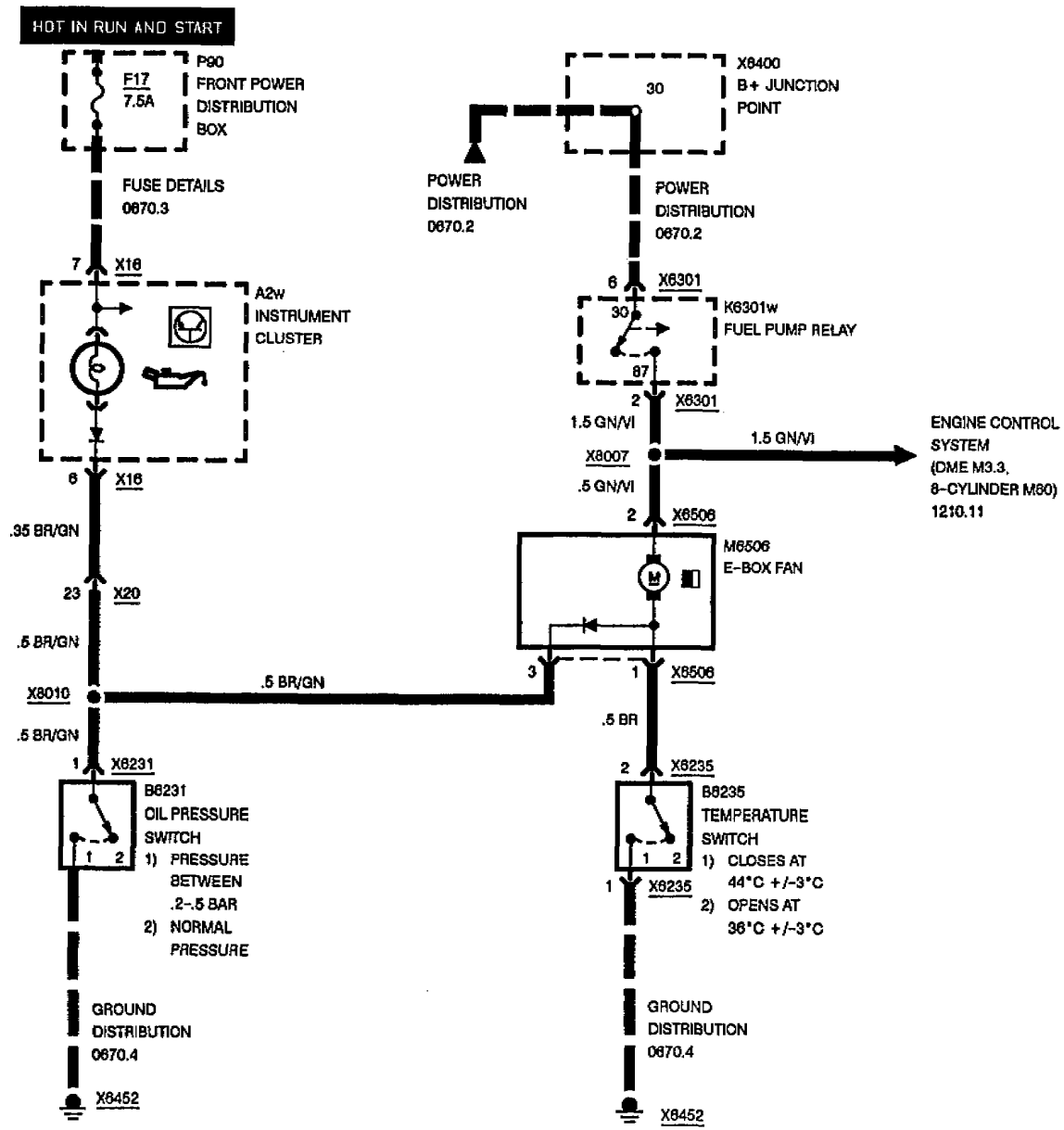
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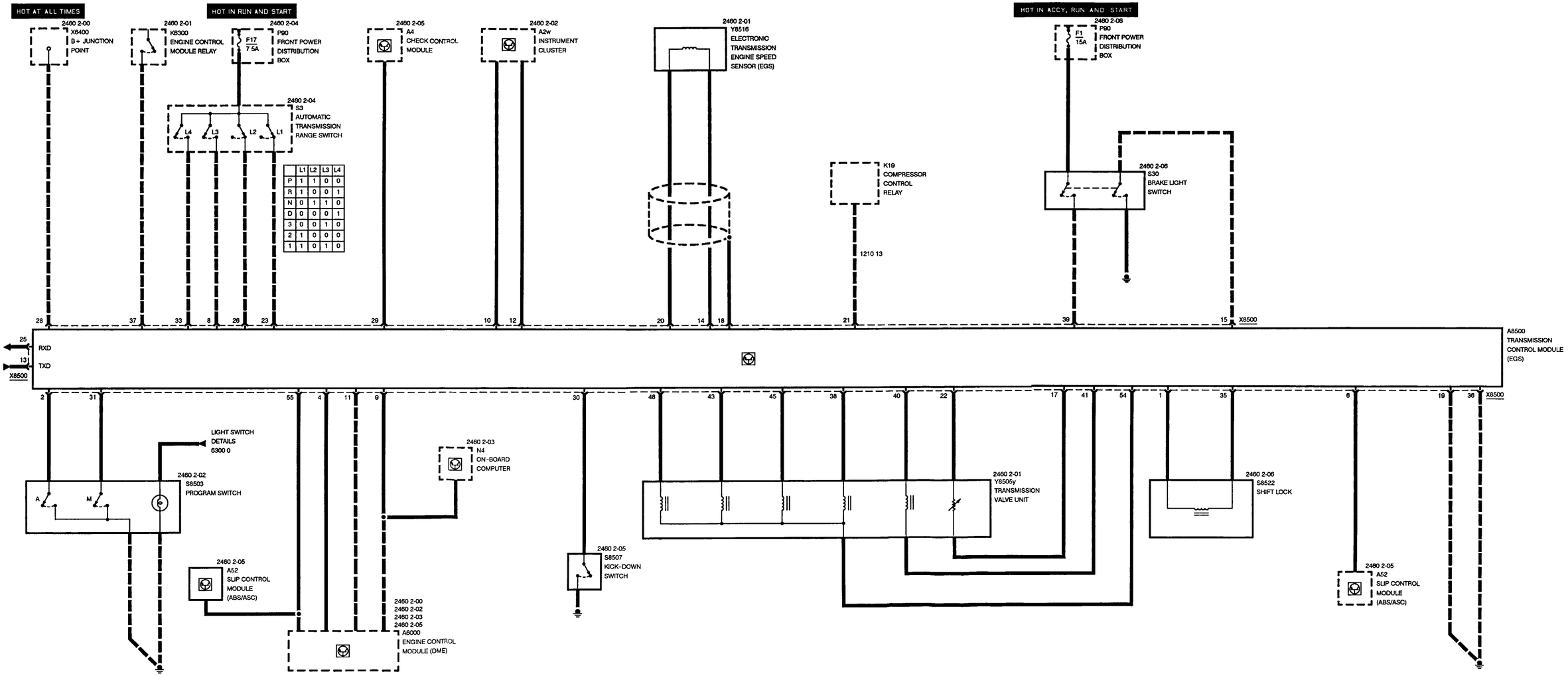


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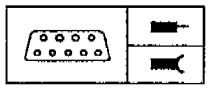
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	L1	L2	L3	L4
P	1	1	0	0
R	1	0	0	1
N	0	1	1	0
D	0	0	0	1
3	0	0	1	0
2	1	0	0	0
1	1	0	1	0

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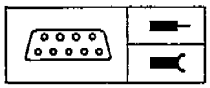
Pin Assignments

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	Transmission intervention signal	Slip control module (ABS/ASC+T)
7		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	Automatic mode indicator control	Instrument cluster
11	E	Crankshaft RPM speed signal TD	Engine control module (DME)
12	A	Manual mode indicator control	Instrument cluster
13	E/A	TxD diagnostic data link	Data link connector
14	E	Transmission output shaft speed (–)	Electronic transmission output shaft speed sensor (EGS)
15	E	Brake switch test signal	Brake light switch
16		Not used	
17	E	Oil temperature signal (analog ground)	Transmission gear shift unit
18	A	Shield ground	Electronic transmission output shaft speed sensor (EGS) shield
19	M	Ground, power	Ground point
20	E	Transmission output shaft speed (+)	Electronic transmission output shaft speed sensor (EGS)
21	E	A/C compressor ON signal	Compressor control relay
22	E	Oil temperature signal (+)	Transmission gear shift unit
23	E	Gear range signal L1	Automatic transmission range switch
24		Not used	
25	E	RxD diagnostic data link	Data link connector
26	E	Gear range signal L2	Automatic transmission range switch
27		Not used	
28	E	Terminal 30 voltage supply	B+ junction point

E = Input, A = Output, M = Ground

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Pin Assignments

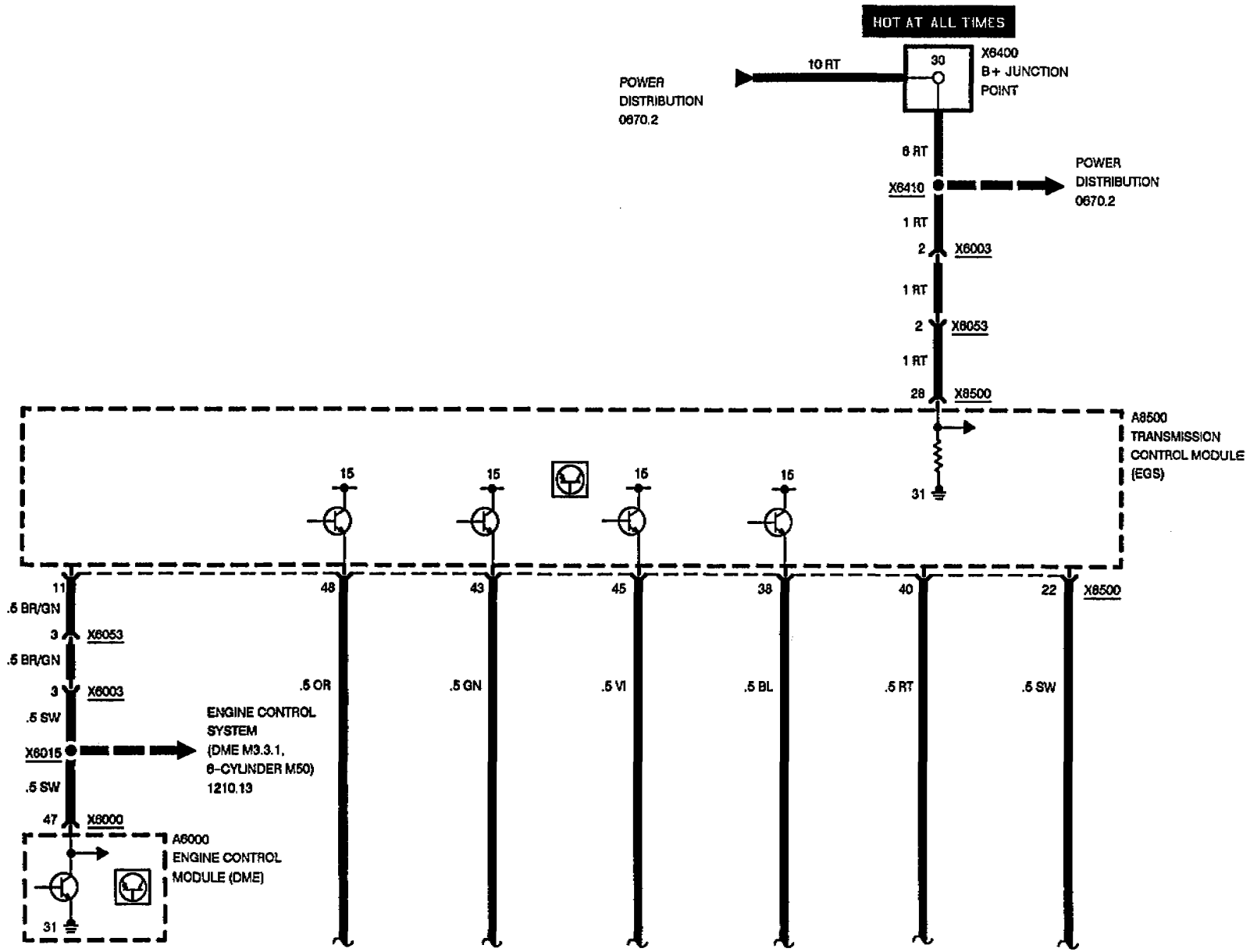
Pin	Type	Description/Function	Connection
29	A	Fault indicator signal	Check control module
30	E	Kick-down signal	Kick down switch
31	E	Manual mode signal	Program switch
32		Not used	
33	E	Gear range signal L4	Automatic transmission range switch
34		Not used	
35	A	Ground, shift lock solenoid	Shift lock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

E = Input, A = Output, M = Ground

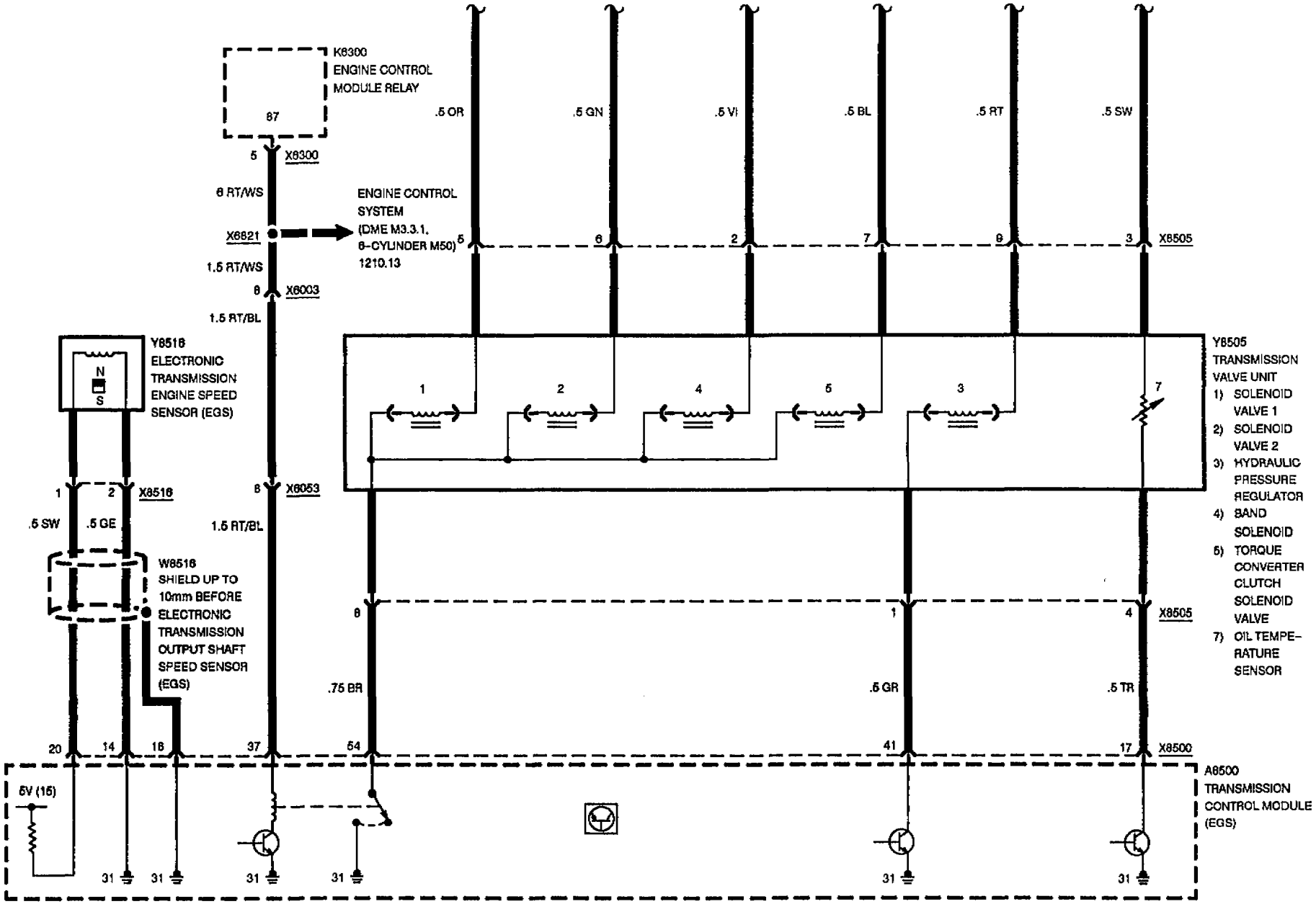
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

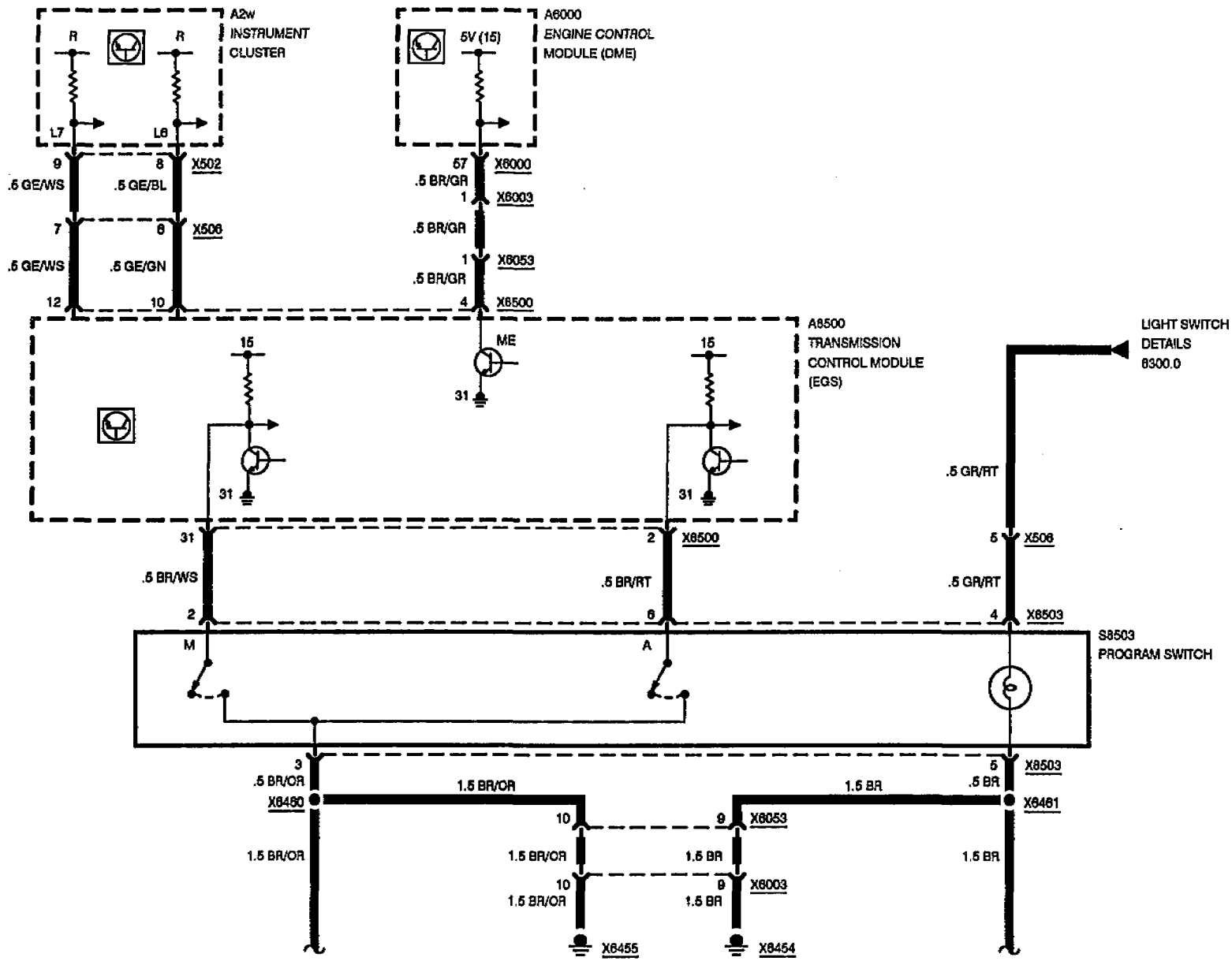


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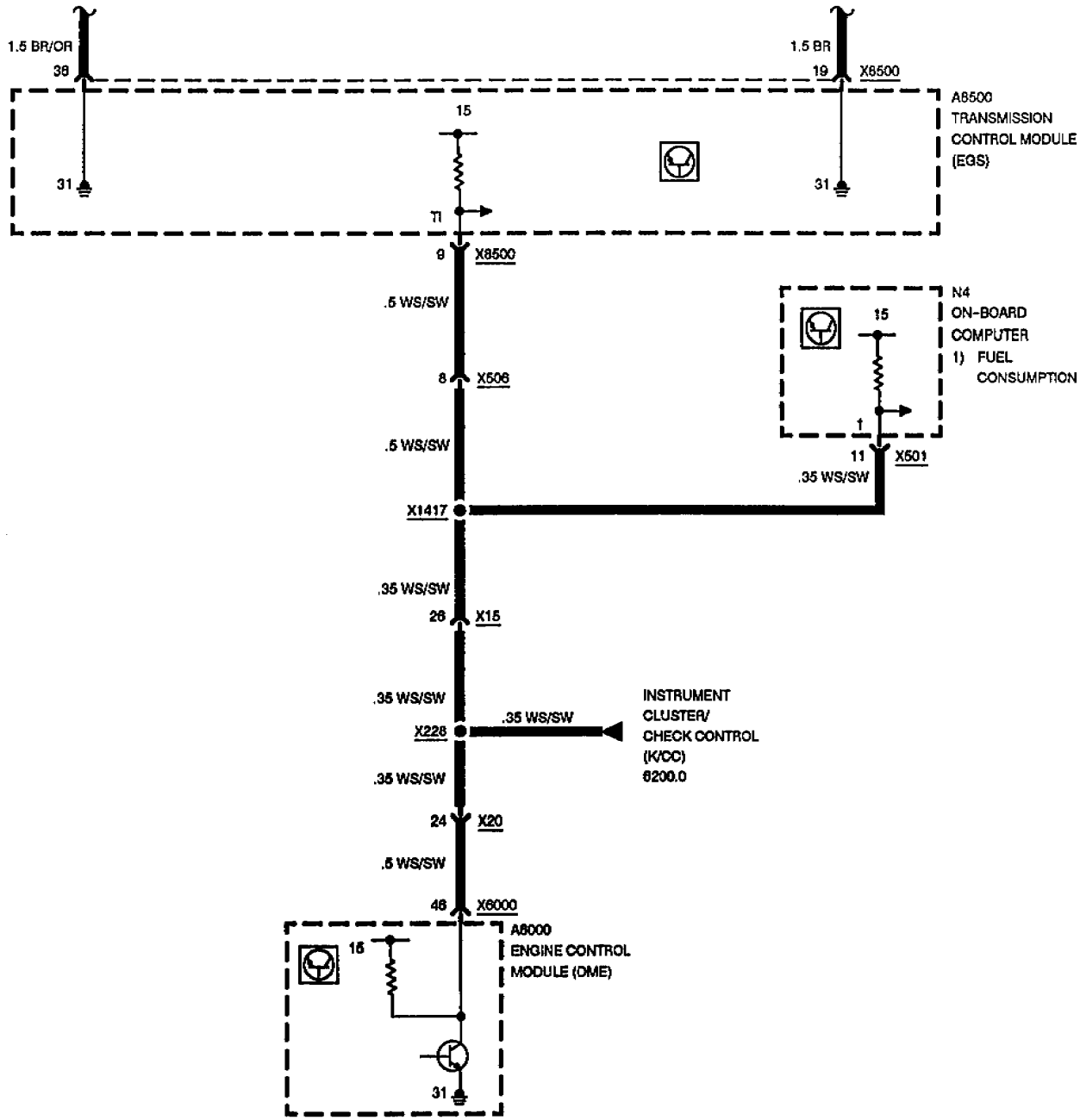


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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

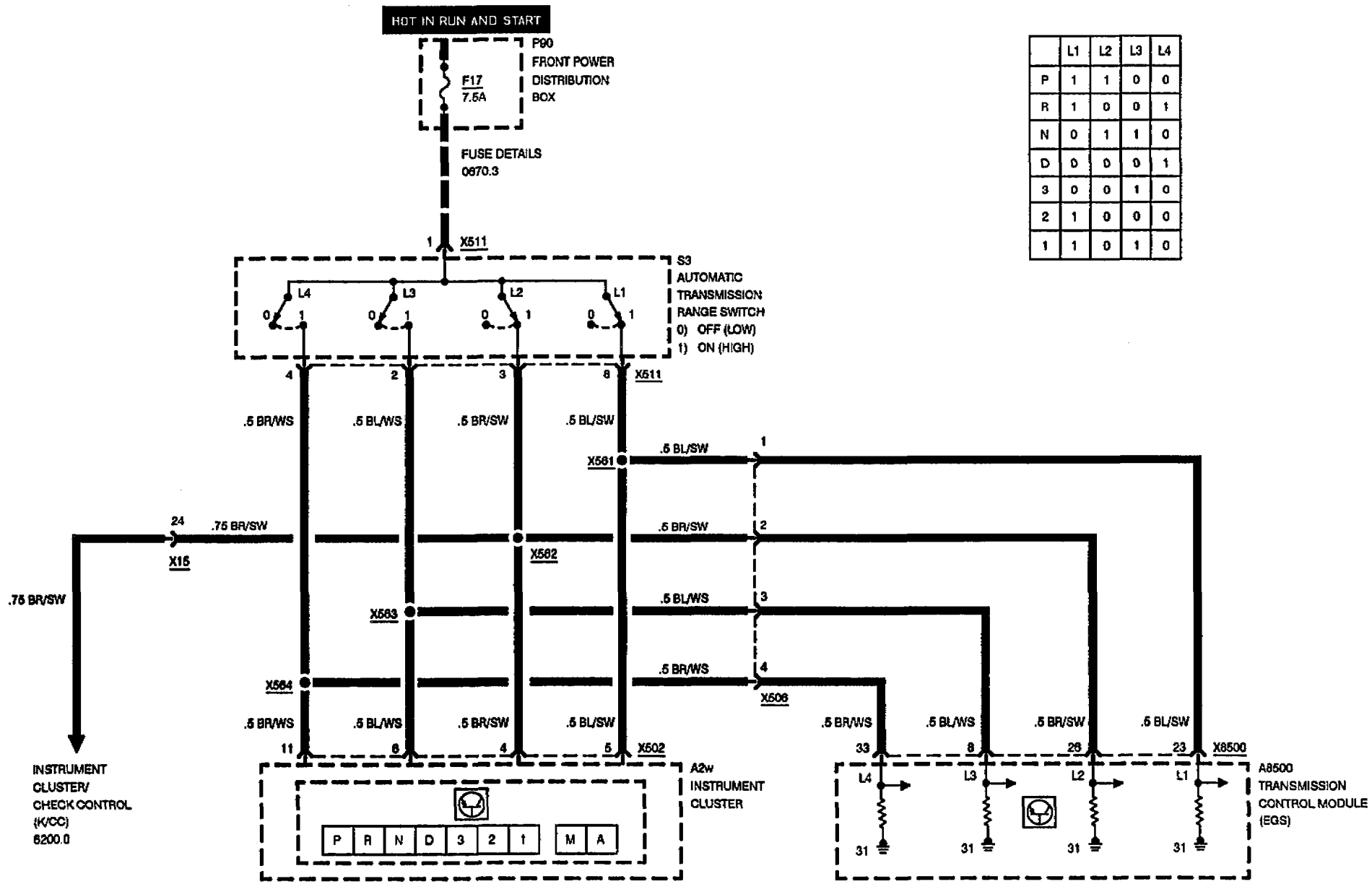


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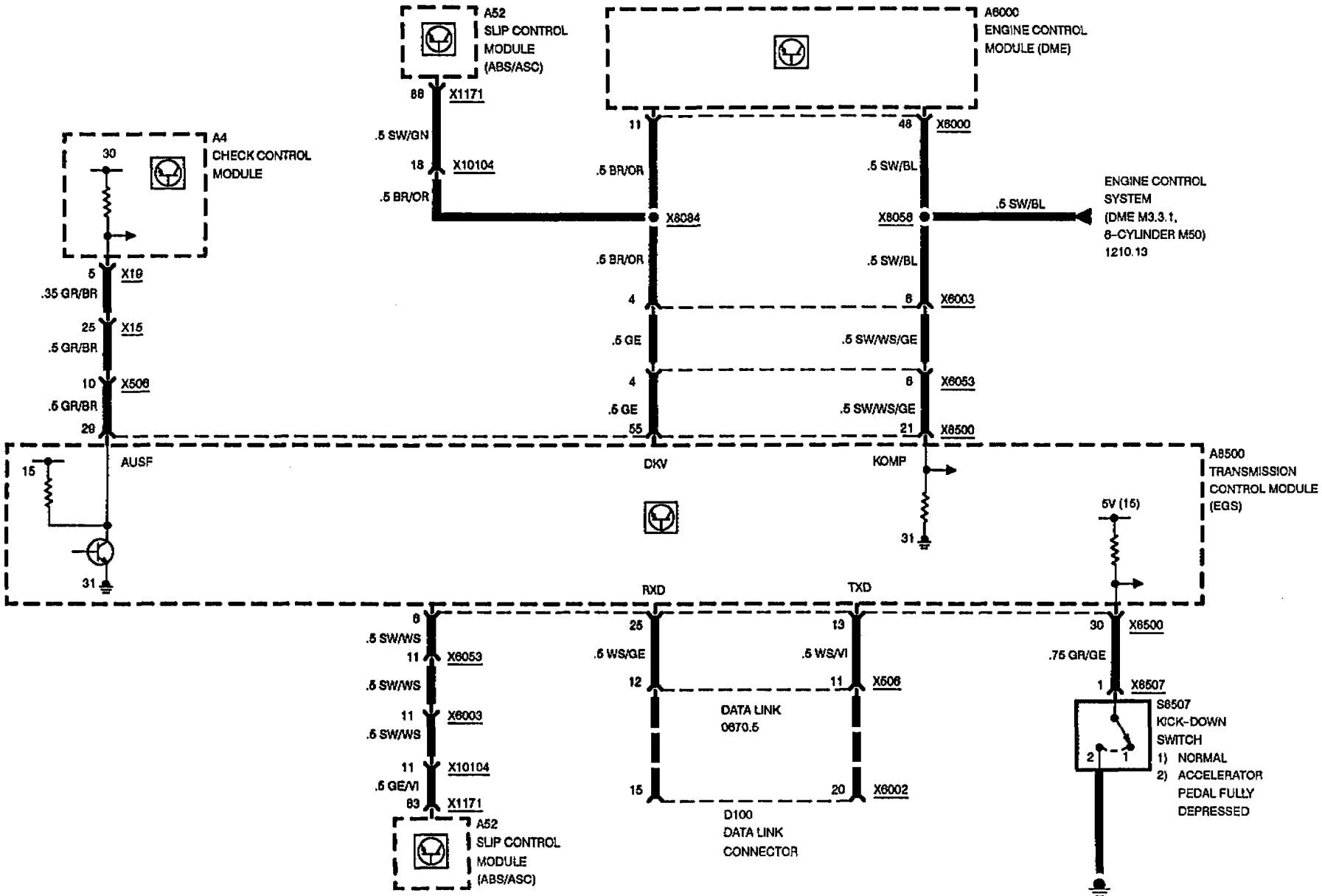
ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)



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

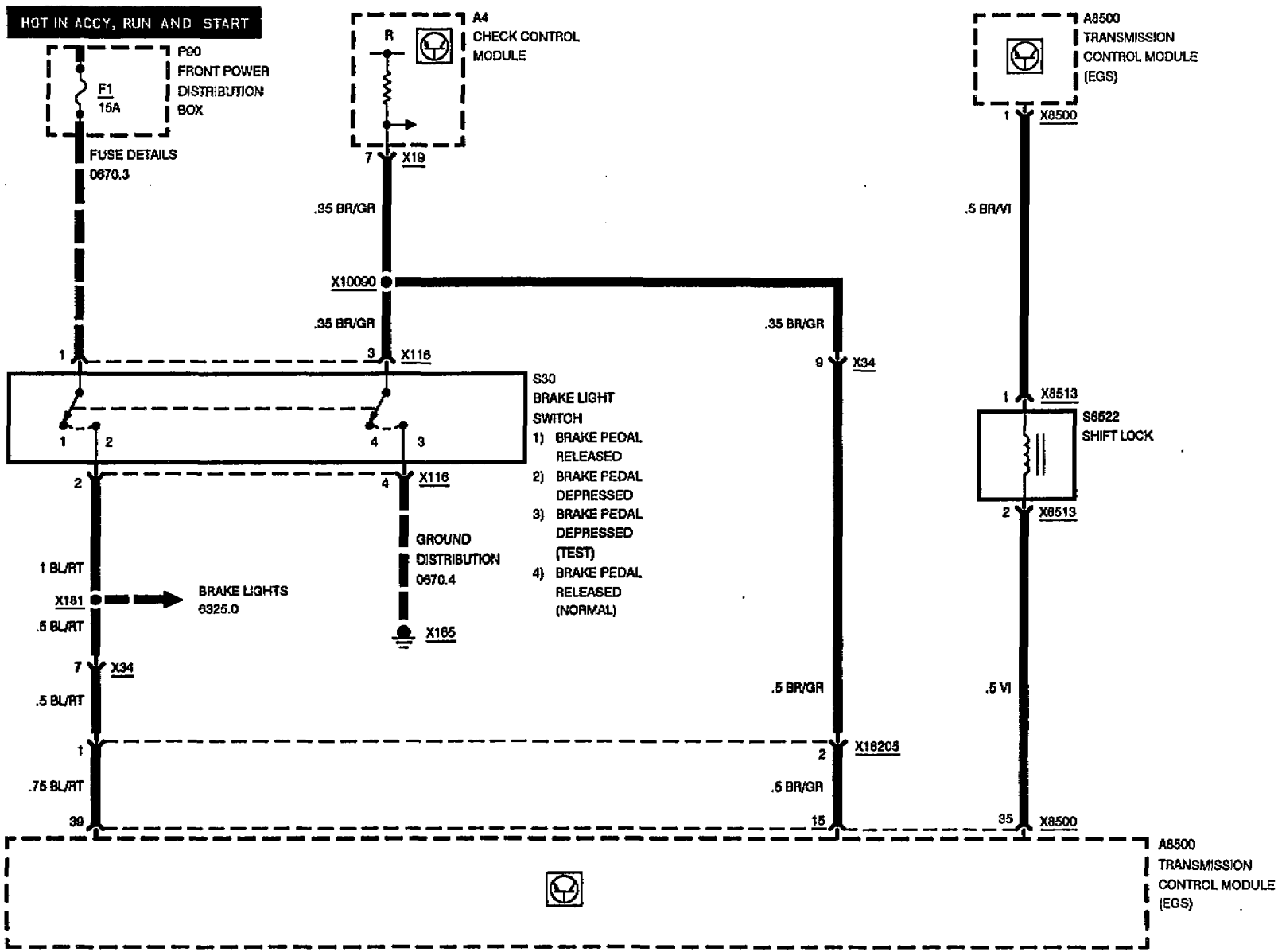
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)



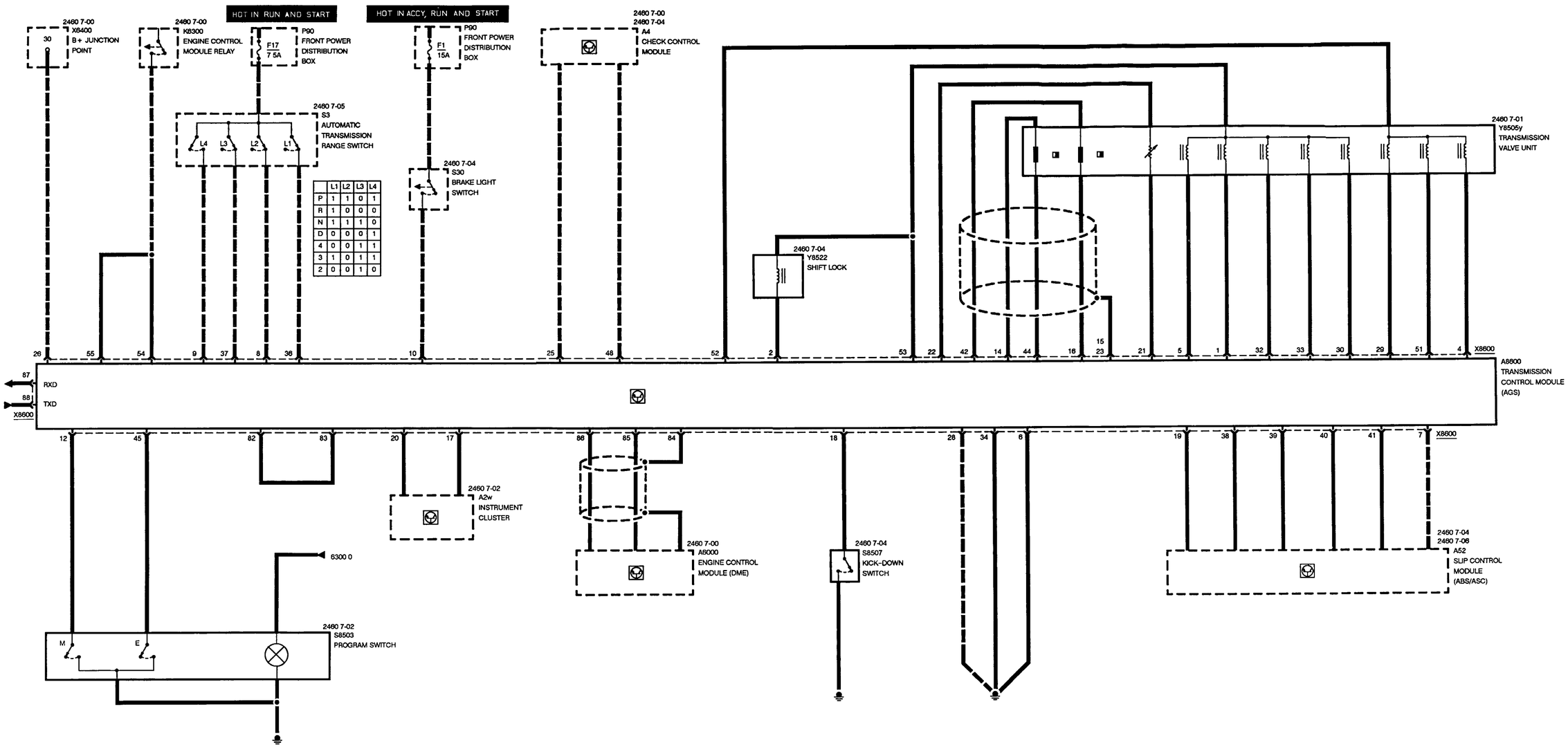
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ELECTRONIC TRANSMISSION CONTROL (EGS A4S 310R)

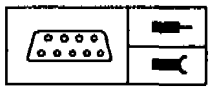


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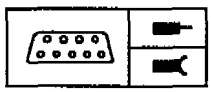
Pin Assignments

X8600

Pin	Type	Description/Function	Connection
1	A	Activation, pressure regulator 2	Transmission gear shift unit
2	A	Activation, PN shift lock	Shift lock
3		Not used	
4	A	Activation, pressure regulator 4	Transmission gear shift unit
5	A	Activation, pressure regulator 1	Transmission gear shift unit
6	M	Ground, electronics	Ground connection
7	E	ASC passive button voltage signal	Slip control module (ABS/ASC+T)
8	E	Position switch L2	Selector lever
9	E	Position switch L4	Selector lever
10	E	Brake pedal signal	Brake light switch
11		Not used	
12	E	S-program signal	Program switch
13		Not used	
14	E	Signal, output speed sensor (+)	Transmission gear shift unit
14	E	Signal, turbine speed (–)	Transmission gear shift unit (SOP 02/93)
15	M	Shield	Speed sensor
16	E	Signal, turbine speed (–)	Transmission gear shift unit
16	E	Signal, output speed sensor (+)	Transmission gear shift unit (SOP 02/93)
17	A	L5 M-program	Instrument cluster
18	E	Signal, kick down operated	Kick down switch
19	E	ABS/ASC signal	ABS/ASC control module
20	A	L6 A-program	Instrument cluster
21	M	Transmission temperature sensor (–)	Transmission gear shift unit
22	E	Transmission temperature sensor (+)	Transmission gear shift unit
23	M	Shield	Transmission control module (AGS)
24		Not used	
25	A	Signal, fault indicator	Check control module
26	E	Positive supply terminal 30	B+ junction point
27		Not used	
28	M	Ground, electronics	Ground connection

E = Input, A = Output, M = Ground

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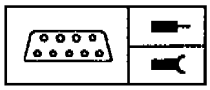


Pin Assignments

Pin	Type	Description/Function	Connection
29	A	Activation, pressure regulator 3	Transmission gear shift unit
30	A	Activation, solenoid valve 1	Transmission gear shift unit
31		Not used	
32	A	Activation, solenoid valve 3	Transmission gear shift unit
33	A	Activation, solenoid valve 2	Transmission gear shift unit
34	M	Ground, power	Ground connection
35		Not used	
36	E	Position switch L1	Selector lever
37	E	Position switch L3	Selector lever
38	E	Left front wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
39	E	Right front wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
40	E	Left rear wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
41	E	Right rear wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
42	E	Signal, output speed sensor (+)	Transmission gear shift unit
43		Not used	
44	E	Signal, turbine speed (-)	Transmission gear shift unit
45	E	Signal E-program	Program switch
46		Not used	
47		Not used	
48	E	Signal, brake test switch	Brake light switch
49		Not used	
50		Not used	
51	A	Activation pressure regulator 5	Transmission gear shift unit
52	A	Positive supply pressure regulator 3/4/5	Transmission gear shift unit
53	A	Positive supply pressure regulator 1/2 solenoid valves 1/2/3	Transmission gear shift unit
54	A	Positive supply terminal 15	Engine control module relay
55	A	Positive supply terminal 15	Engine control module relay
56		Not used	
57		Not used	
58		Not used	

E = Input, A = Output, M = Ground

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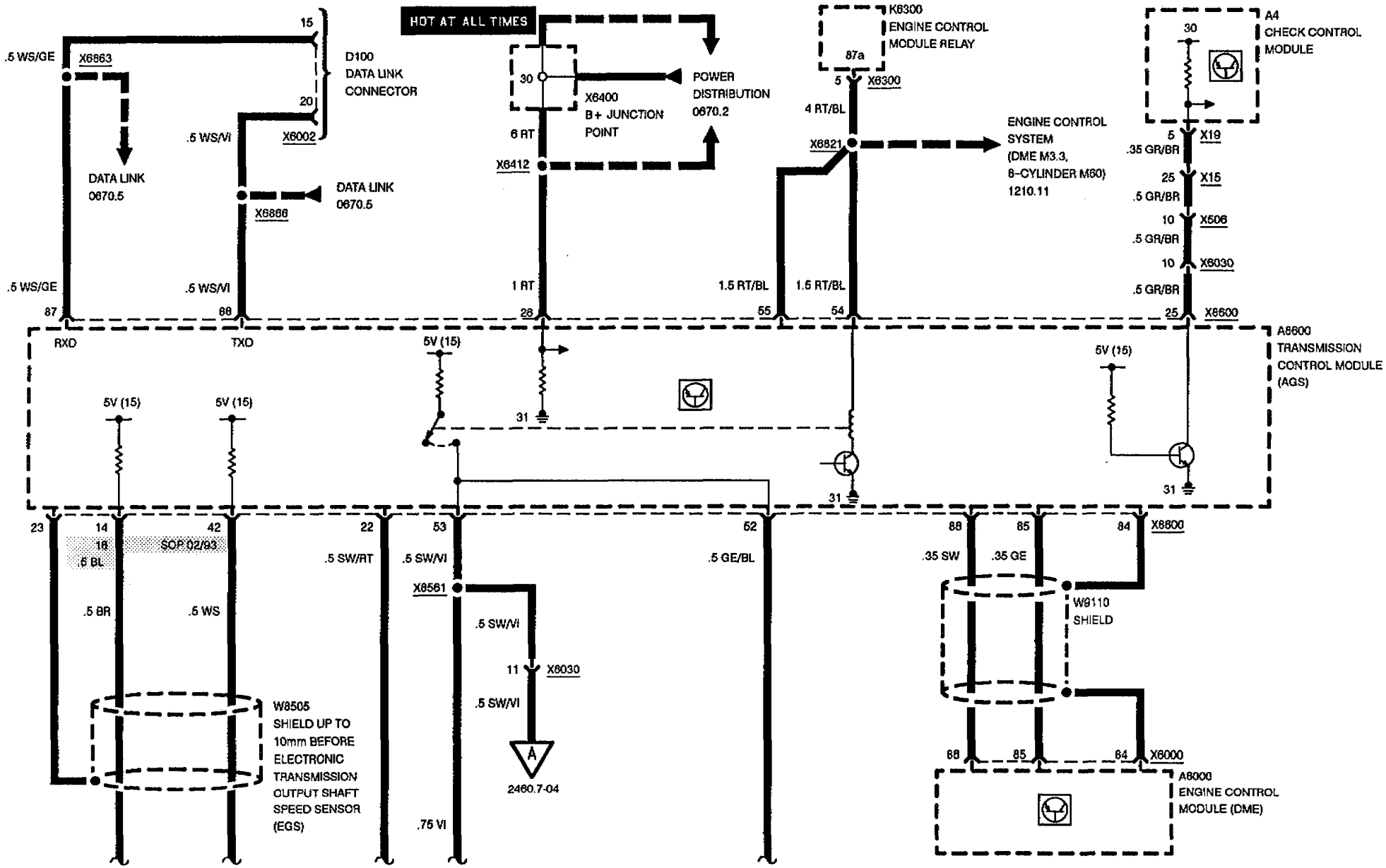
Pin Assignments

Pin	Type	Description/Function	Connection
59		Not used	
60		Not used	
61		Not used	
62		Not used	
63		Not used	
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
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	E/A	CAN R1 bridged-out	Transmission control module (pin 83)
83	E/A	CAN R2 bridged-out	Transmission control module (pin 82)
84	M	Ground	Shield
85	E/A	CAN-L	Engine control module (DME)
86	E/A	CAN-H	Engine control module (DME)
87	E	RxD	Data link connector
88	E/A	TxD	Data link connector

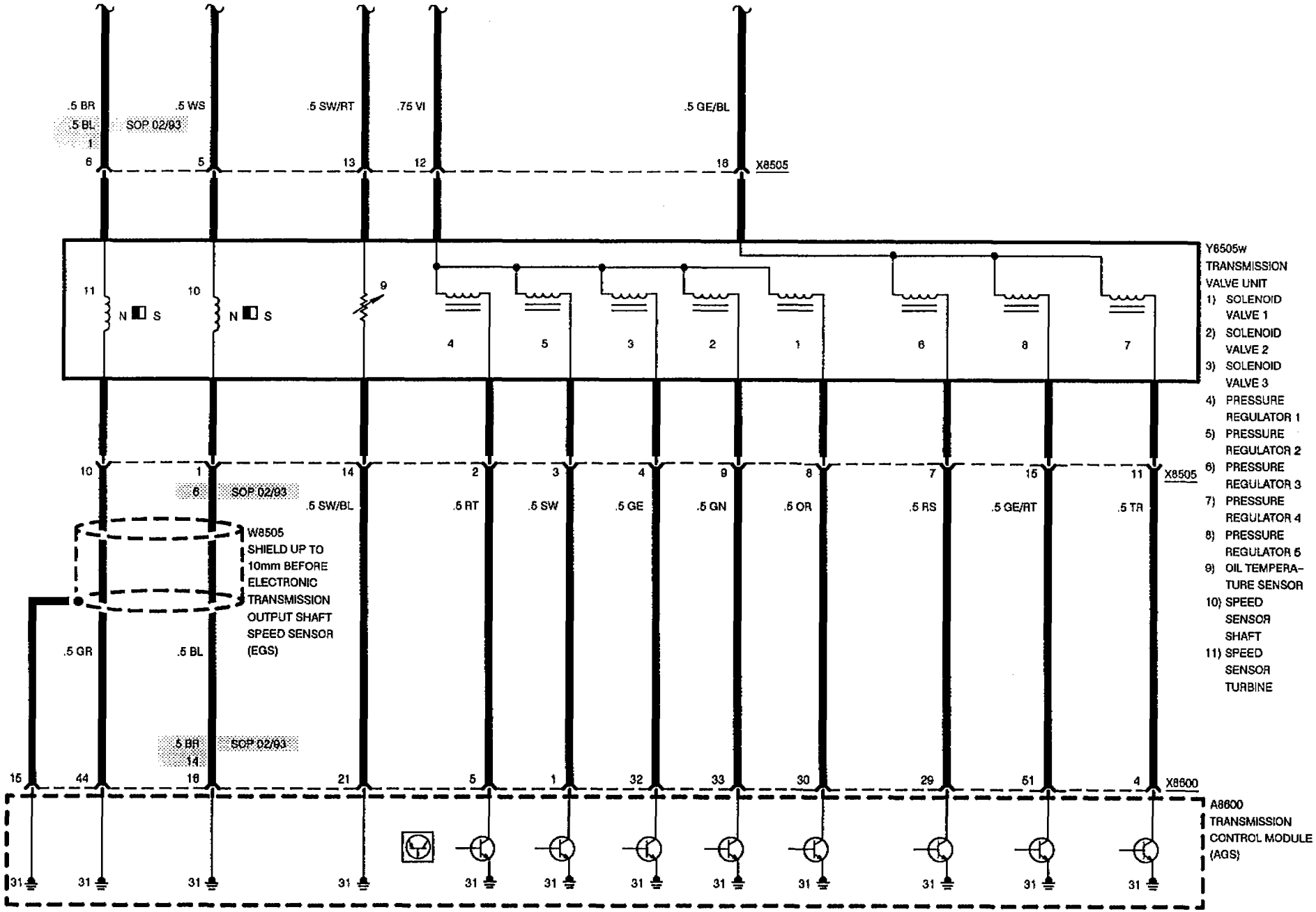
E = Input, A = Output, M = Ground

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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)

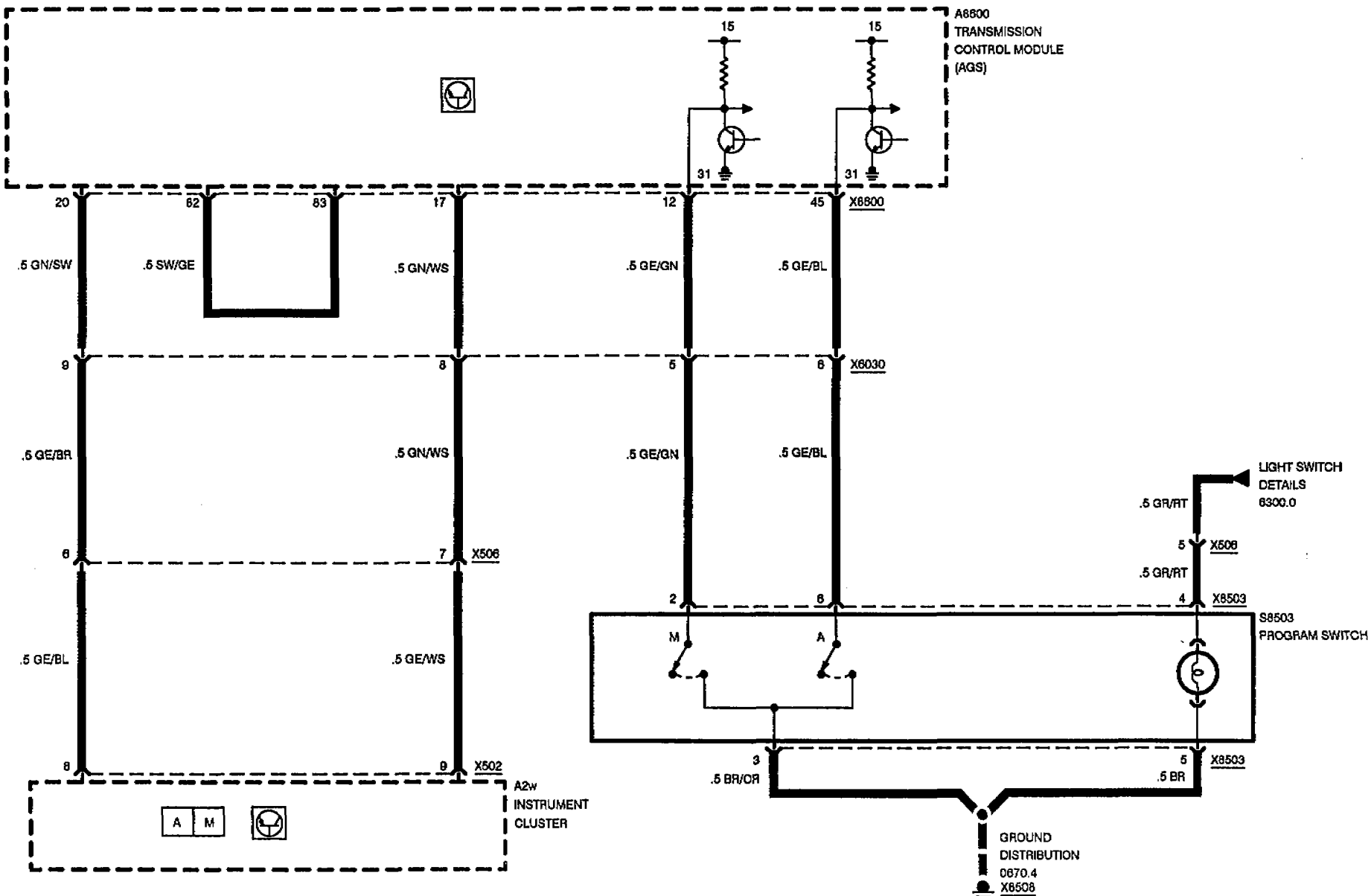


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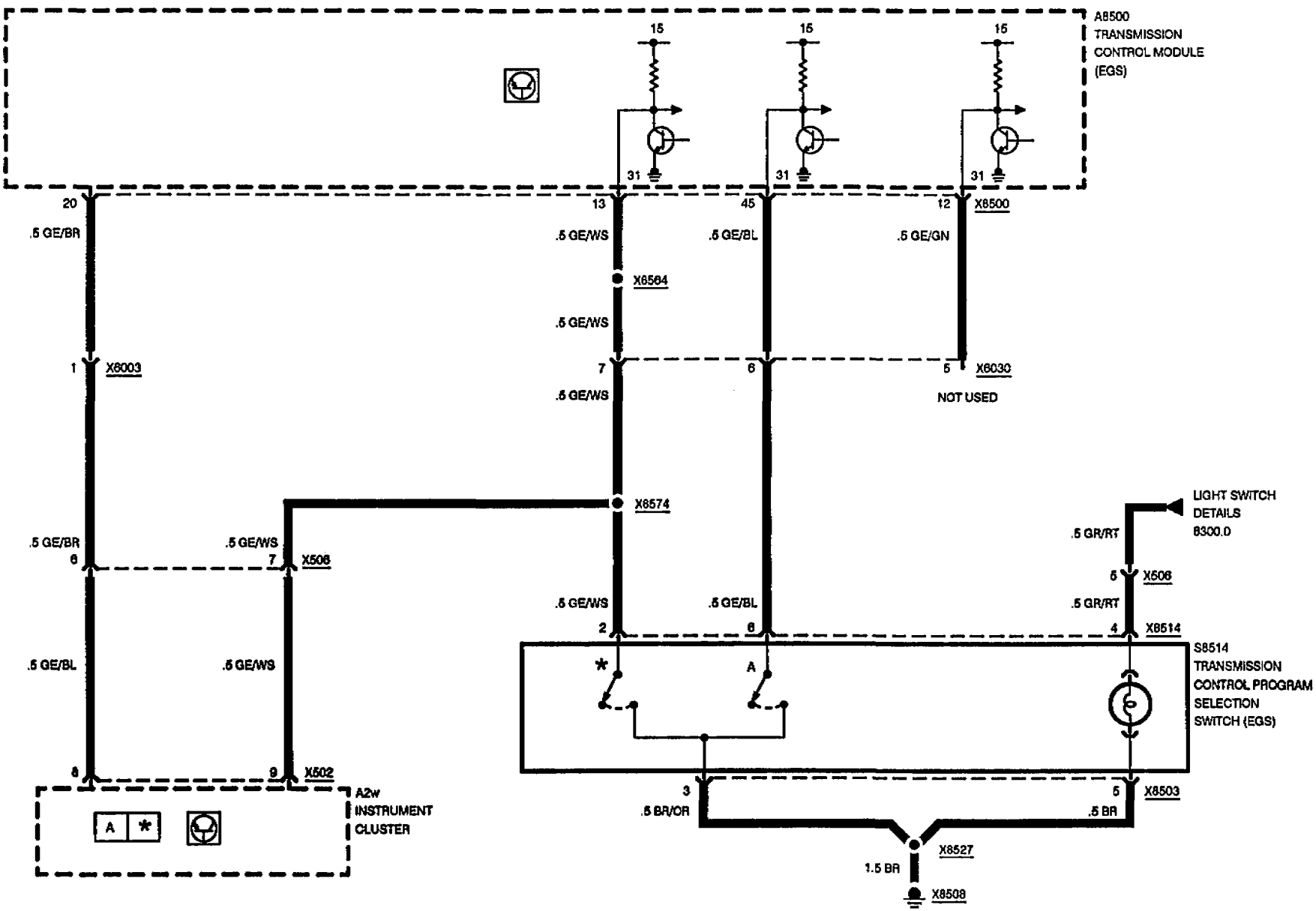
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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)



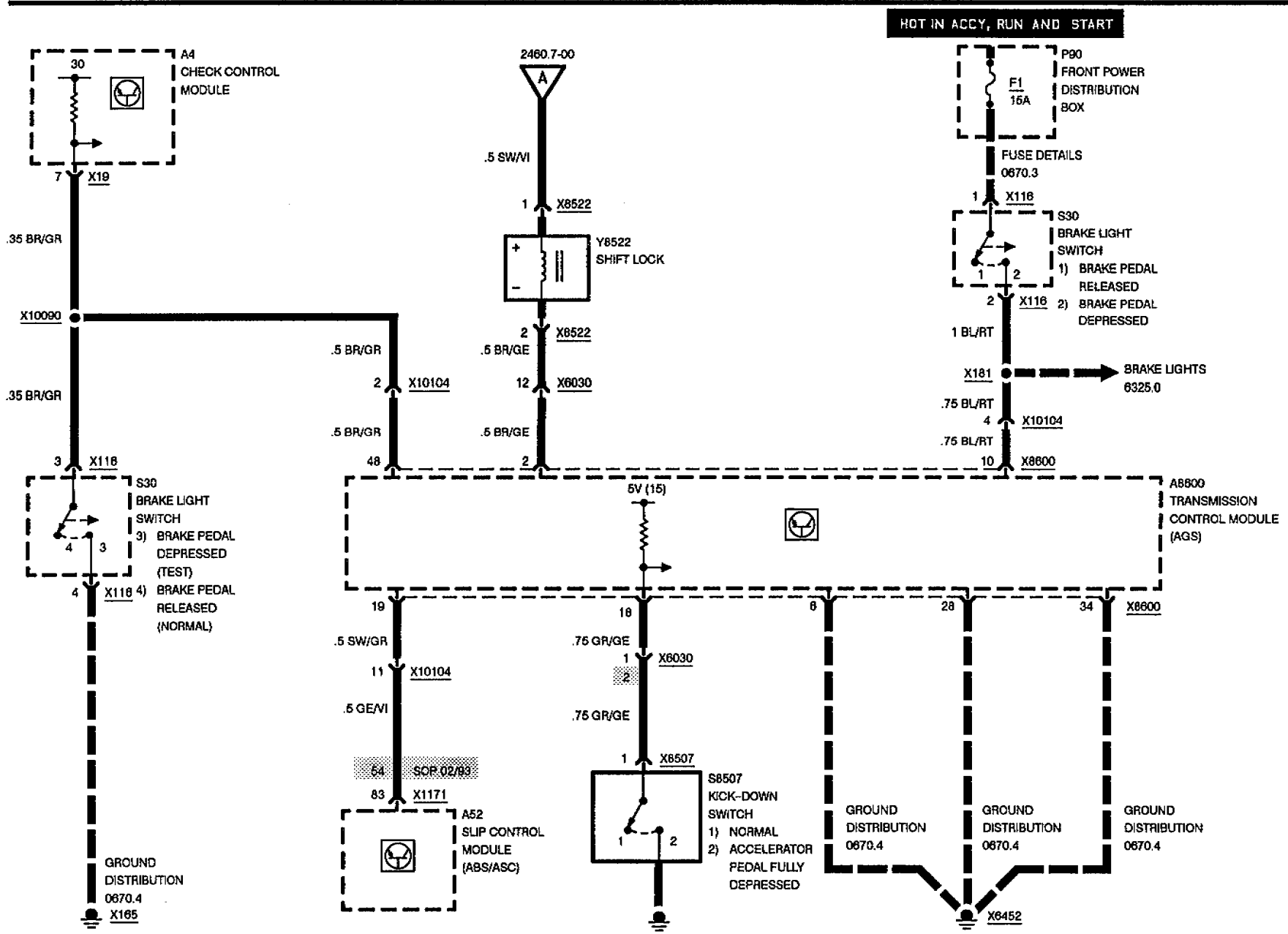
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ELECTRONIC TRANSMISSION CONTROL (EGS: GS 9.20/ A5S 560Z) SOP 02/93



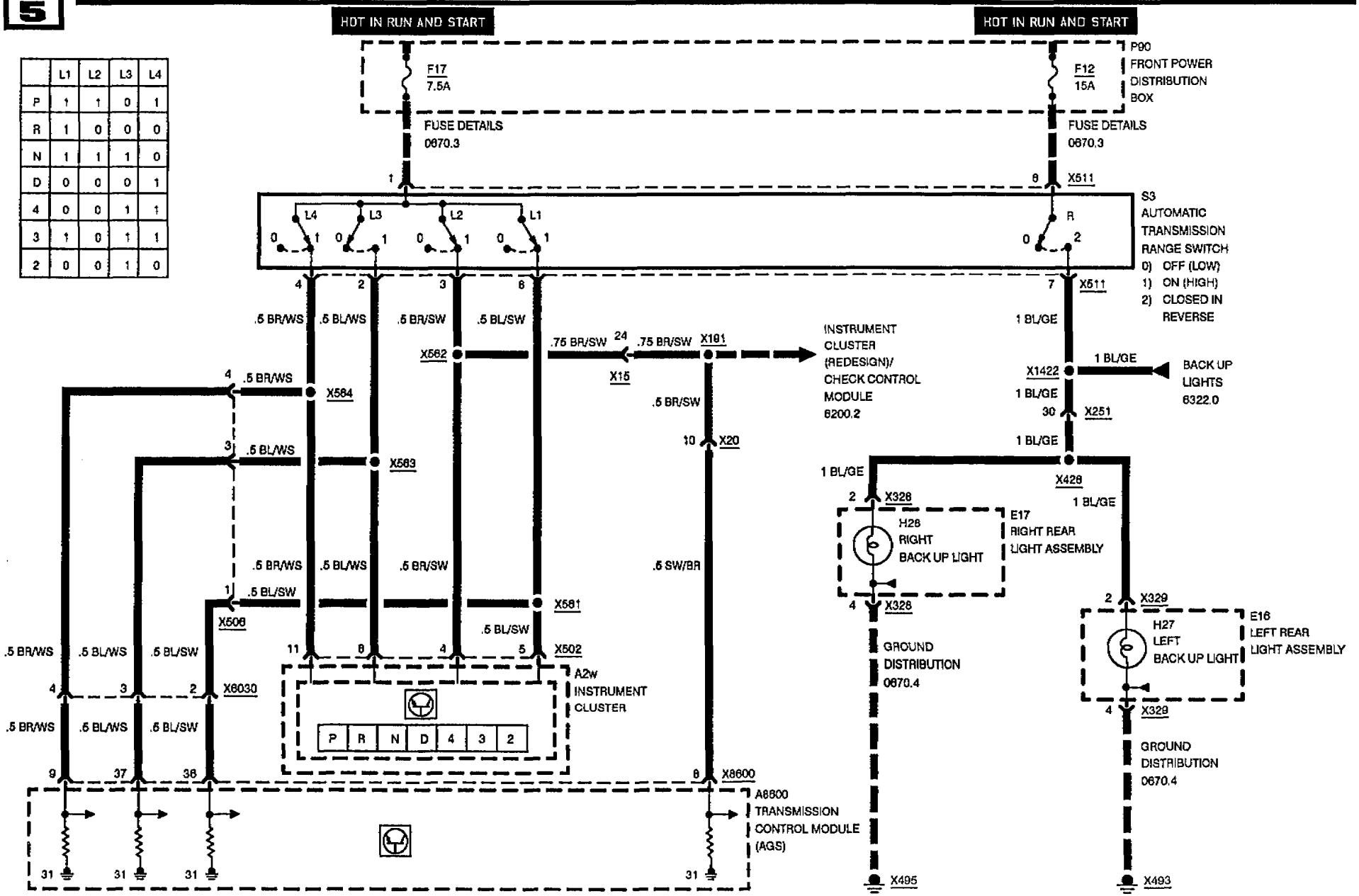
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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)



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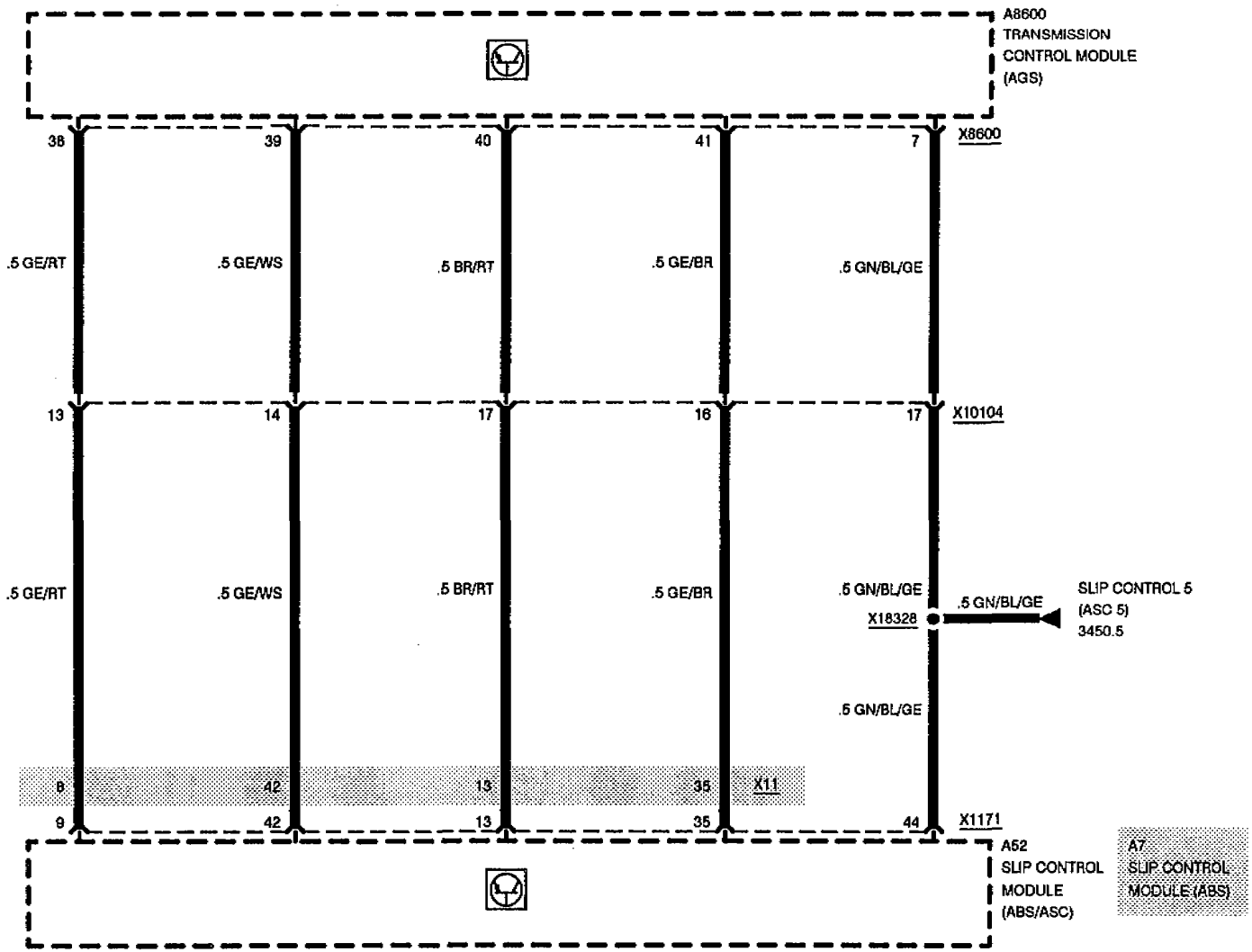
ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)



	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
4	0	0	1	1
3	1	0	1	1
2	0	0	1	0

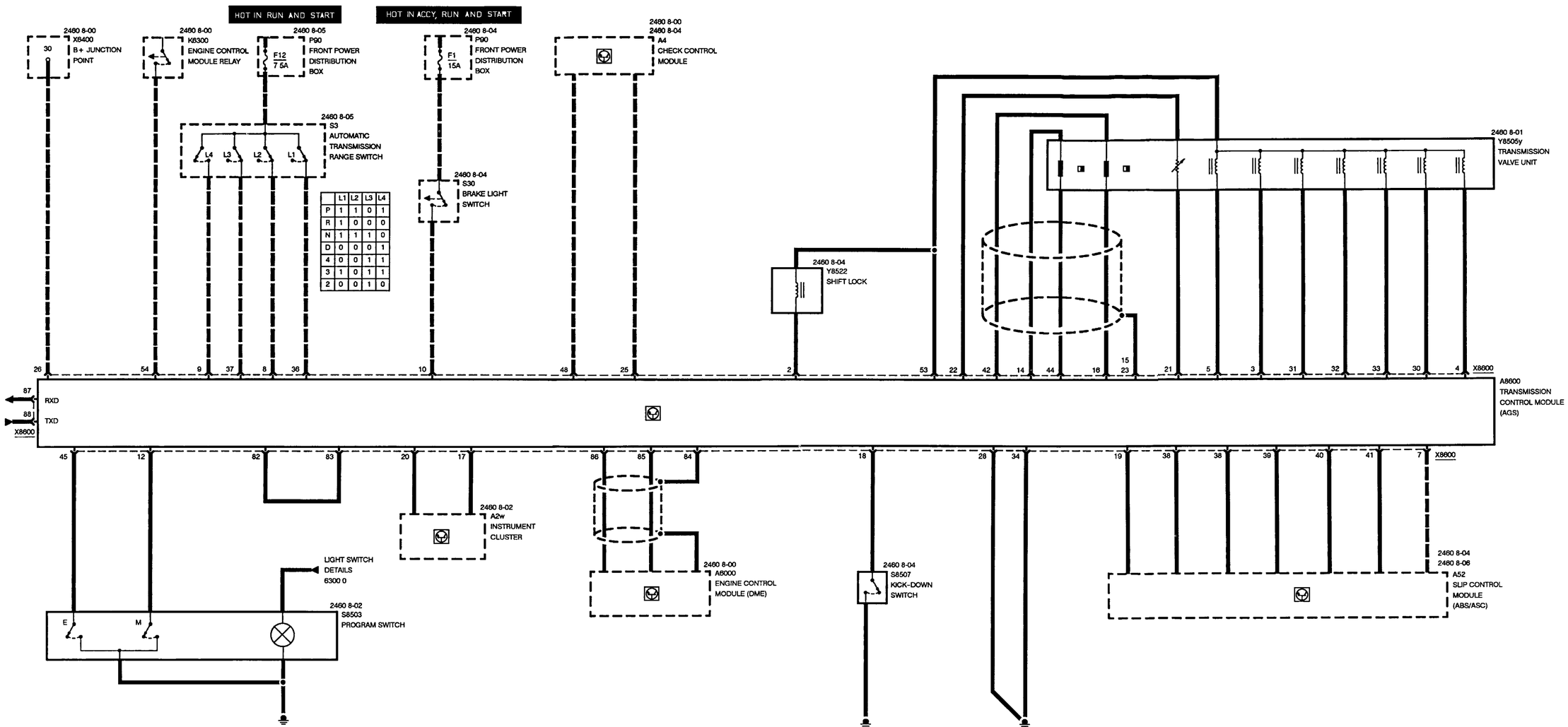
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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 9.22/ A5S 560Z)



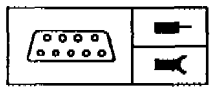
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	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
4	0	0	1	1
3	1	0	1	1
2	0	0	1	0

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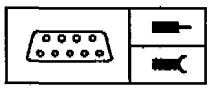
Pin Assignments

X8600

Pin	Type	Description/Function	Connection
1		Not used	
2	A	Activation, PN shift lock	Shift lock
3	A	Activation, solenoid valve 5	Transmission gear shift unit
4	A	Activation, converter clutch solenoid valve	Transmission gear shift unit
5	A	Activation, pressure regulator	Transmission gear shift unit
6		Not used	
7	E	ASC passive button voltage signal	Slip control module (ABS/ASC+T)
8	E	Position switch L2	Selector lever
9	E	Position switch L4	Selector lever
10	E	Brake pedal signal	Brake light switch
11		Not used	
12	E	S-program signal	Program switch
13		Not used	
14	E	Signal, output speed sensor (+)	Transmission gear shift unit
14	E	Signal, turbine speed (–)	Transmission gear shift unit (SOP 02/93)
15	M	Shield	Speed sensor
16	E	Signal, turbine speed (–)	Transmission gear shift unit
16	E	Signal, output speed sensor (+)	Transmission gear shift unit (SOP 02/93)
17	A	L5 program	Instrument cluster
18	E	Signal, kick down operated	Kick down switch
19	E	ASC signal	Slip control module (ASC+T)
20	A	L6 A-program	Instrument cluster
21	M	Transmission temperature sensor (–)	Transmission gear shift unit
22	E	Transmission temperature sensor (+)	Transmission gear shift unit
23	M	Shield	Speed sensor
24		Not used	
25	A	Signal, fault indicator	Check control module
26	E	Positive supply terminal 30	B+ junction point
27		Not used	
28	M	Ground, electronics	Ground connection

E = Input, A = Output, M = Ground

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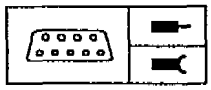


Pin Assignments

Pin	Type	Description/Function	Connection
29		Not used	
30	A	Activation, solenoid valve 1	Transmission gear shift unit
31	A	Activation, solenoid valve 4	Transmission gear shift unit
32	A	Activation, solenoid valve 3	Transmission gear shift unit
33	A	Activation, solenoid valve 2	Transmission gear shift unit
34	M	Ground, power	Ground point
35		Not used	
36	E	Position switch L1	Selector lever
37	E	Position switch L3	Selector lever
38	E	Left front wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
39	E	Right front wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
40	E	Left rear wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
41	E	Right rear wheel speed signal (ABS/ASC+T)	Slip control module (ABS/ASC+T)
42	E	Signal, output speed sensor (+)	Transmission gear shift unit
43		Not used	
44	E	Signal, turbine speed (-)	Transmission gear shift unit
45	E	Signal E-program	Program switch
46		Not used	
47		Not used	
48	E	Signal, brake test switch	Brake light switch
49		Not used	
50		Not used	
51		Not used	
52		Not used	
53	A	Positive supply pressure regulator and solenoid valves	Transmission gear shift unit
54	E	Positive supply terminal 15	Engine control module relay
55		Not used	
56		Not used	
57		Not used	
58		Not used	

E = Input, A = Output, M = Ground

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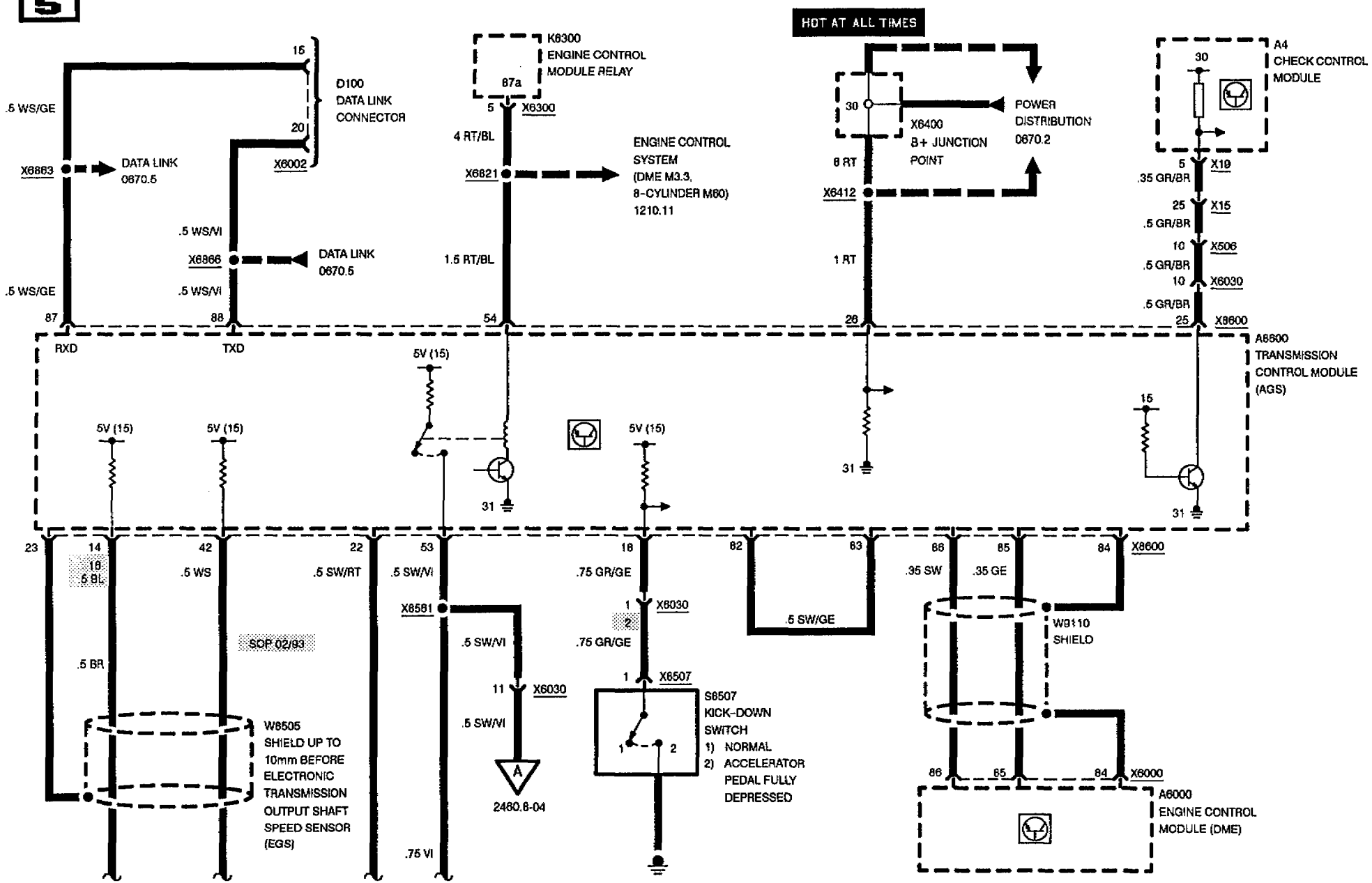
Pin Assignments

Pin	Type	Description/Function	Connection
59		Not used	
60		Not used	
61		Not used	
62		Not used	
63		Not used	
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
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	E/A	CAN R1 bridged-out	Transmission control module (pin 83)
83	E/A	CAN R2 bridged-out	Transmission control module (pin 82)
84	M	Ground	Shield
85	E/A	CAN-L	Engine control module (DME)
86	E/A	CAN-H	Engine control module (DME)
87	E	RxD	Data link connector
88	E/A	TxD	Data link connector

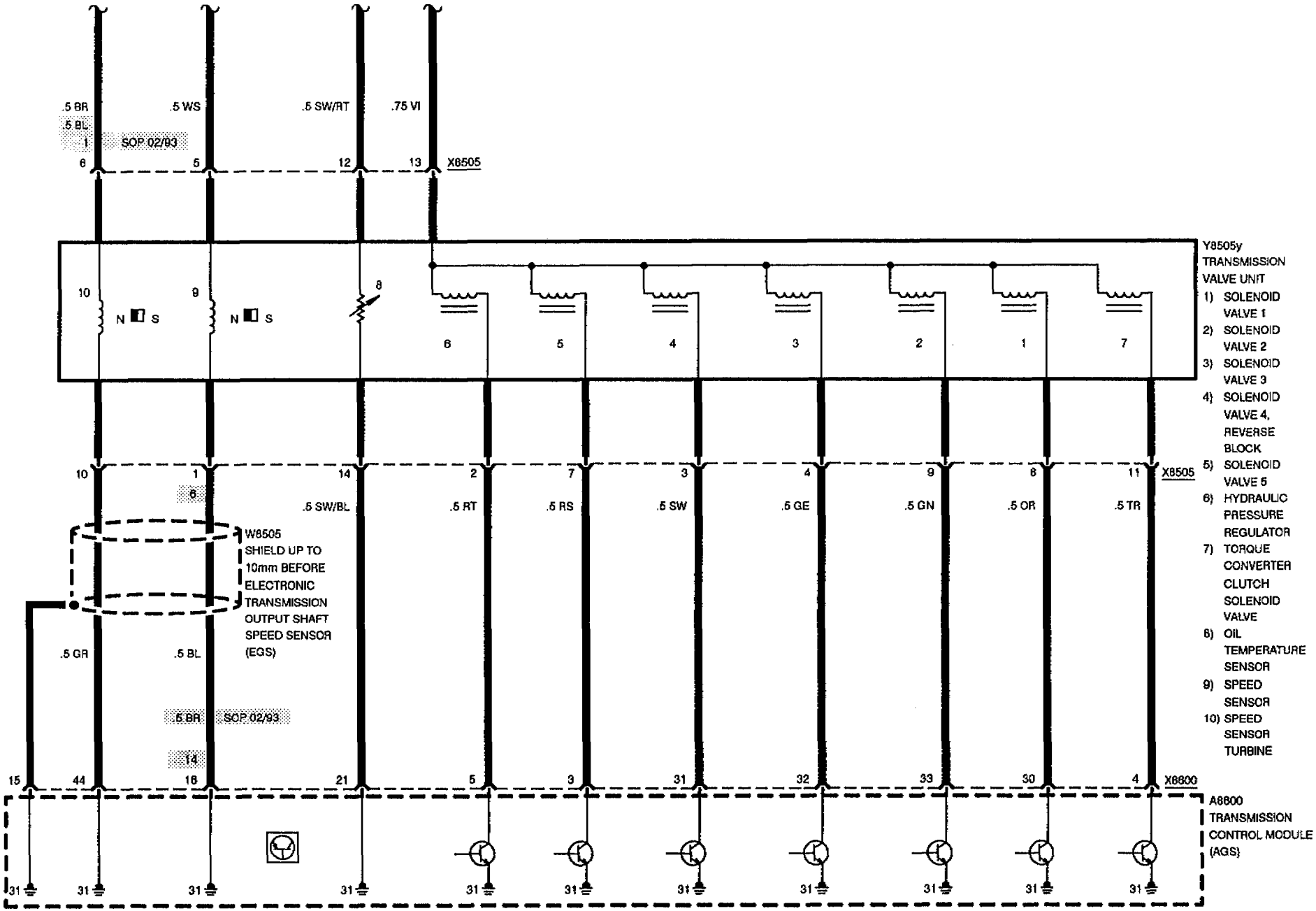
E = Input, A = Output, M = Ground

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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)

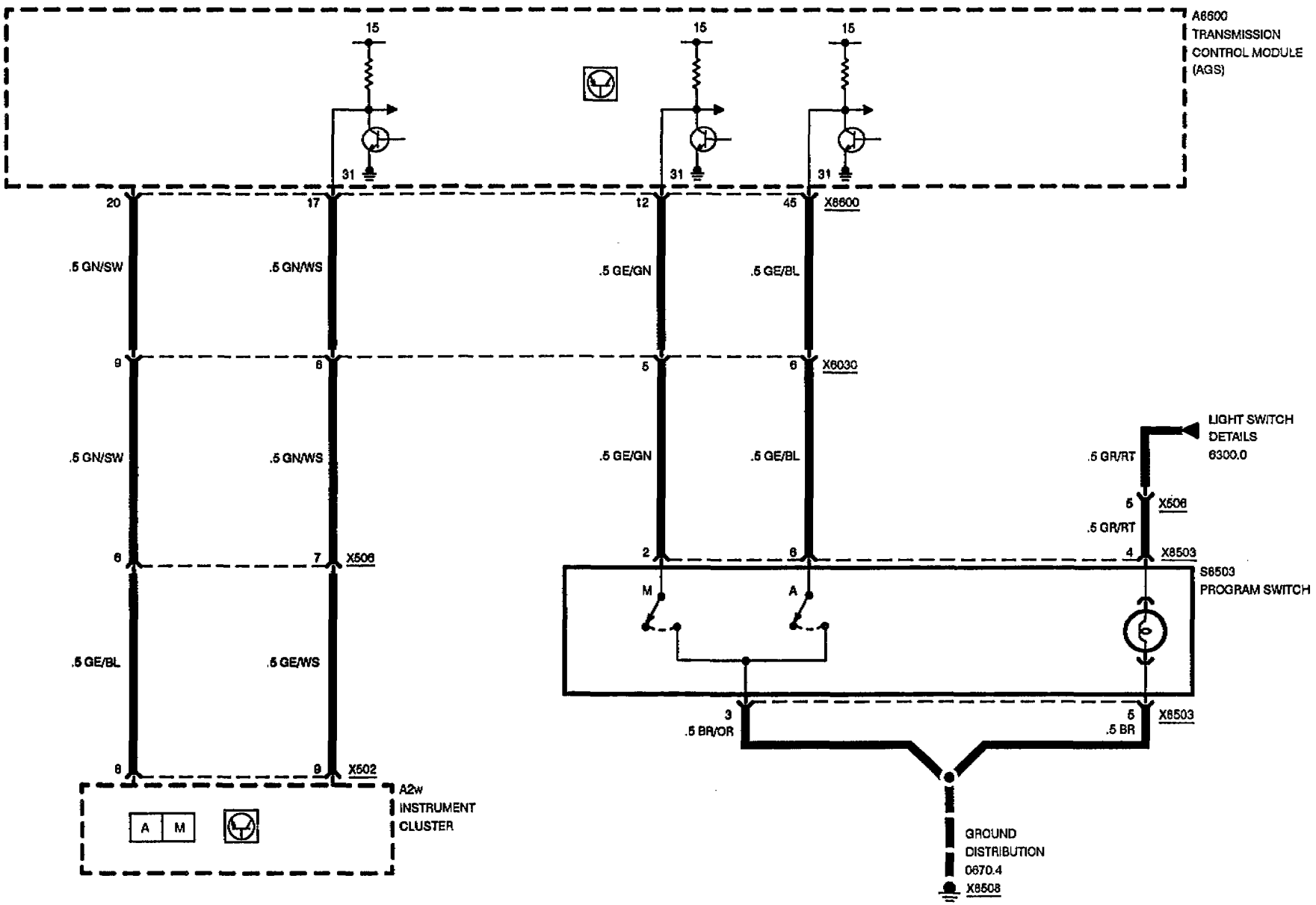


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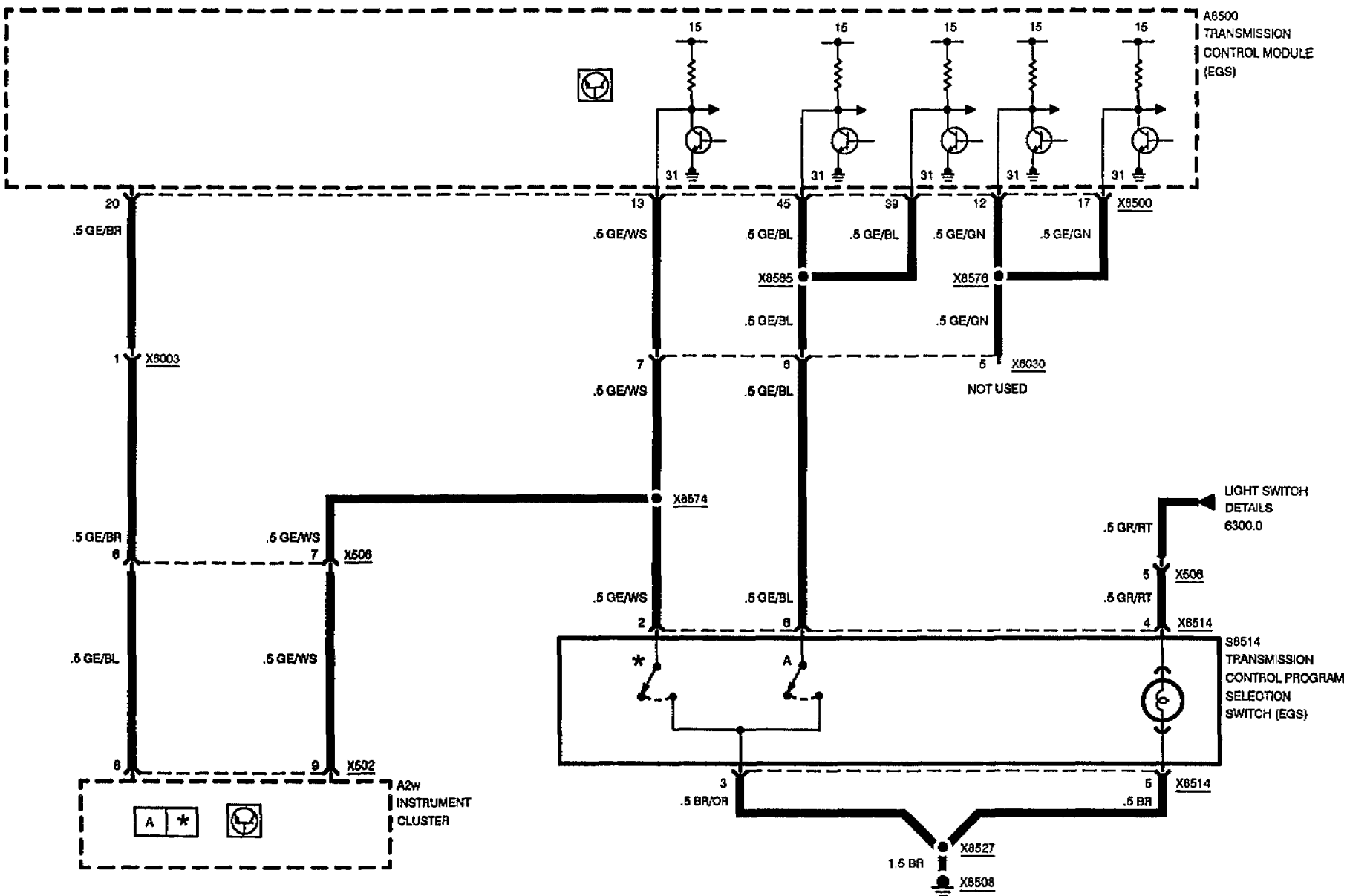
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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)



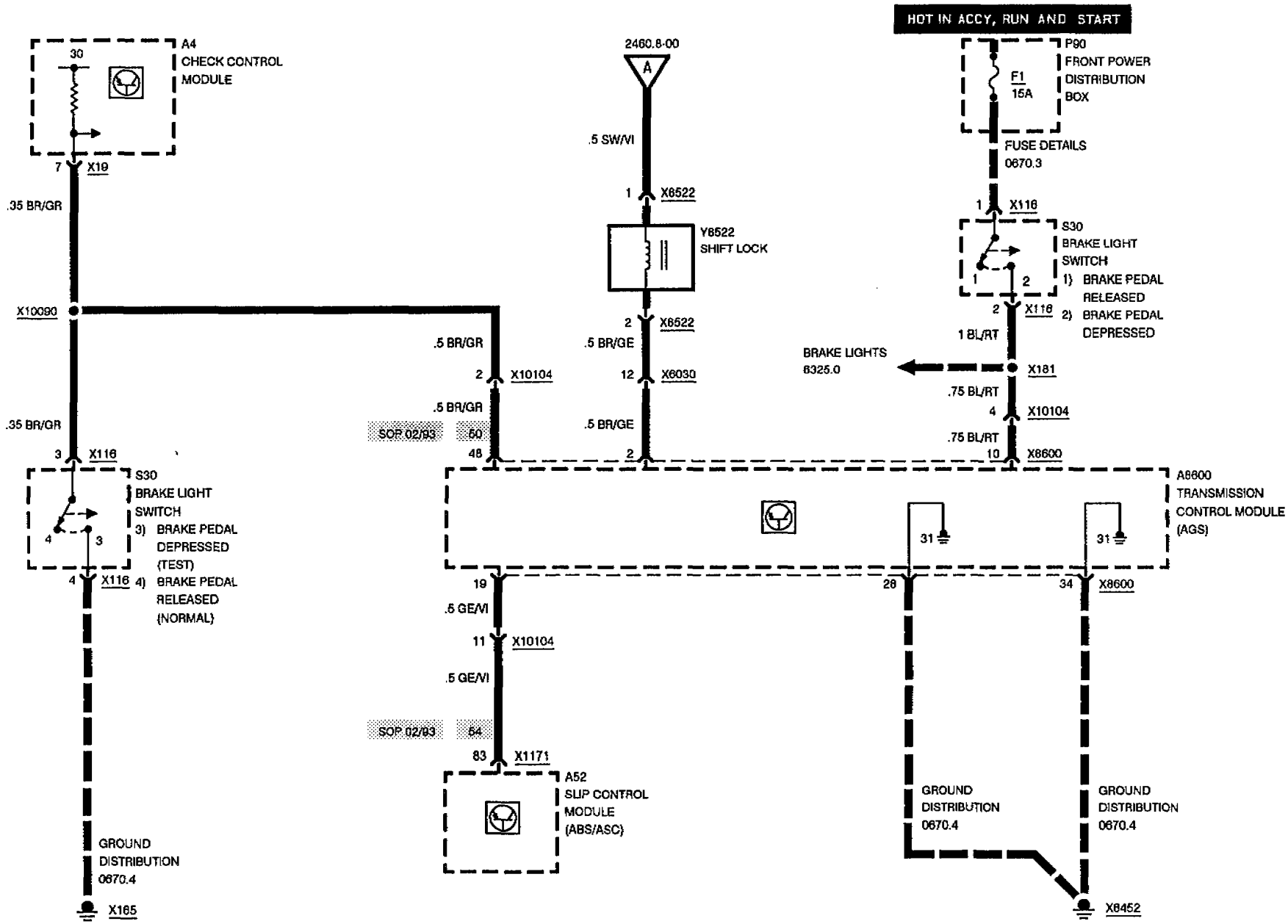
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ELECTRONIC TRANSMISSION CONTROL (EGS: GS 7.30/ A5S 310Z) SOP 02/93



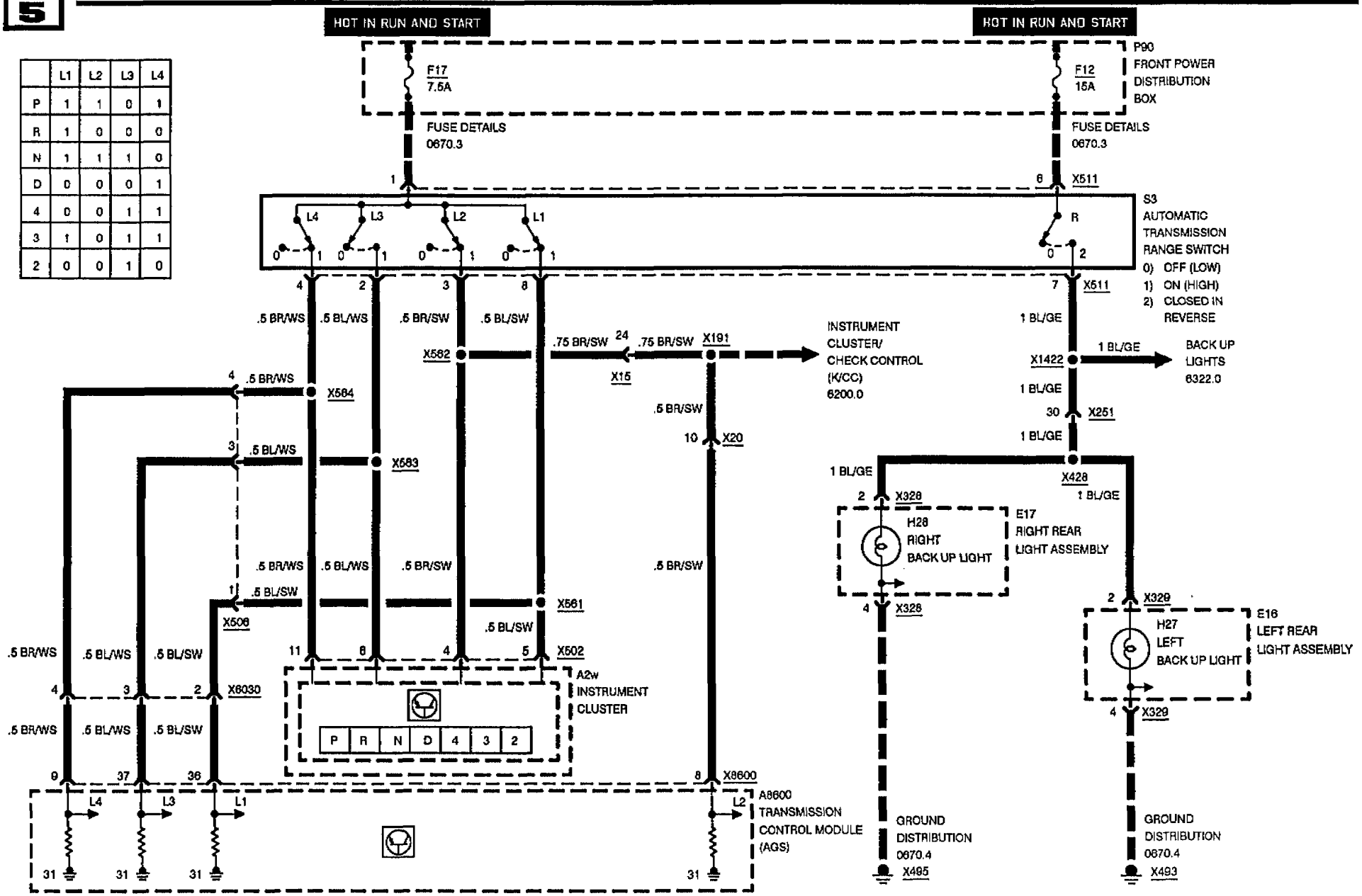
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ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)



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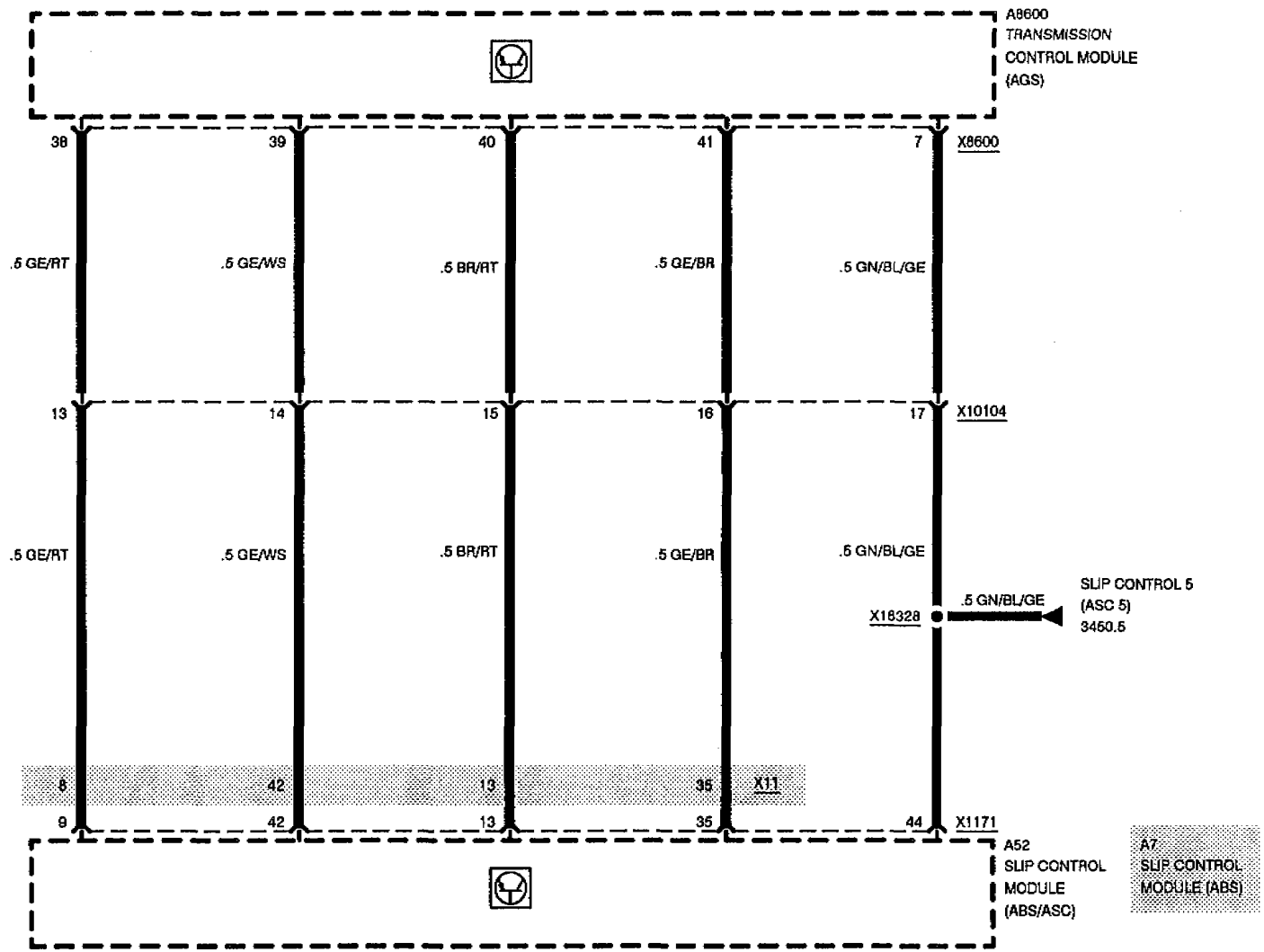
ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)



	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
4	0	0	1	1
3	1	0	1	1
2	0	0	1	0

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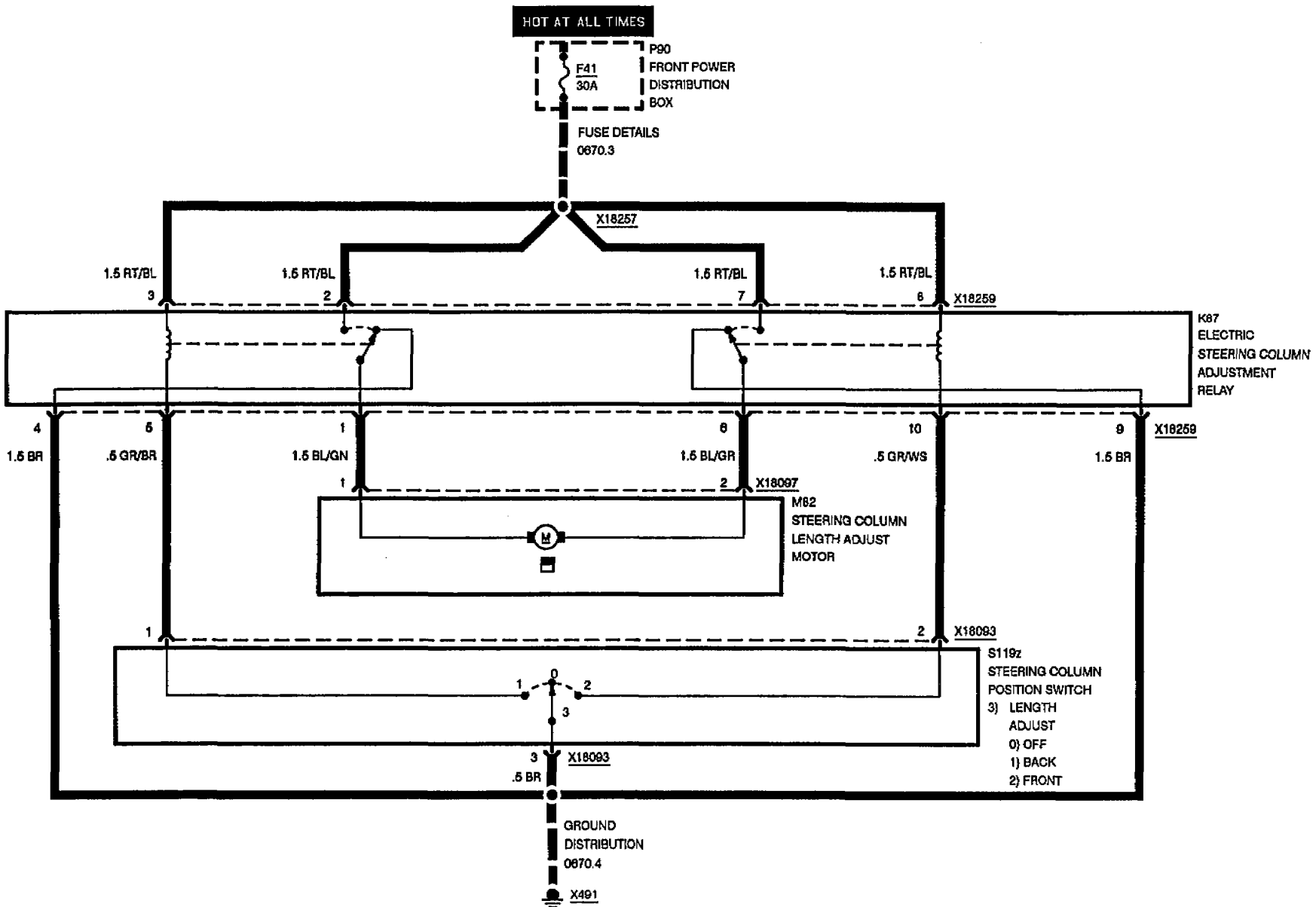
ELECTRONIC TRANSMISSION CONTROL (AGS: GS 7.32/ A5S 310Z)



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ELECTRIC STEERING COLUMN ADJUSTMENT

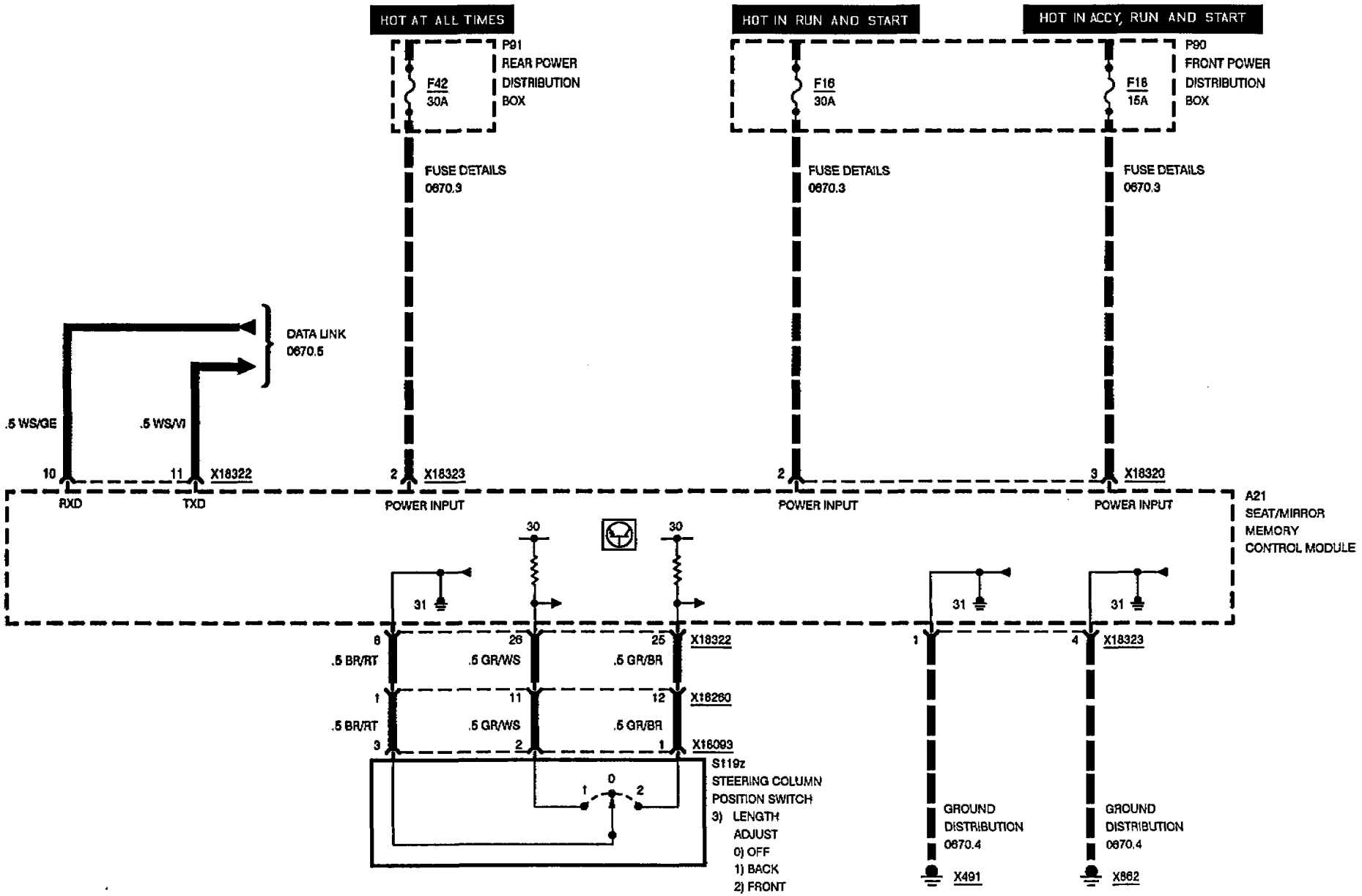


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STEERING COLUMN MEMORY (LSM)

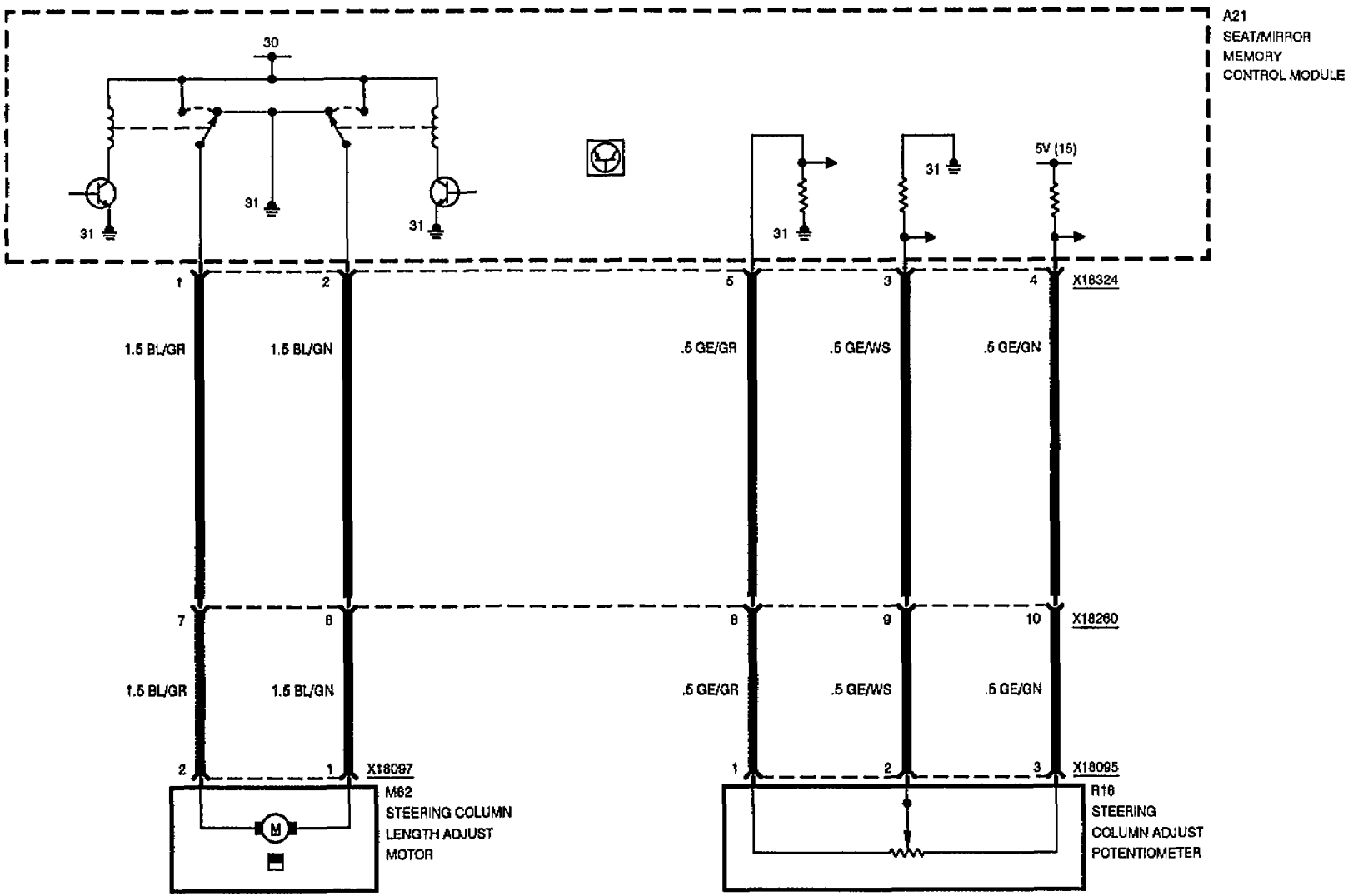
LENGTH ADJUST ONLY



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STEERING COLUMN MEMORY (LSM)

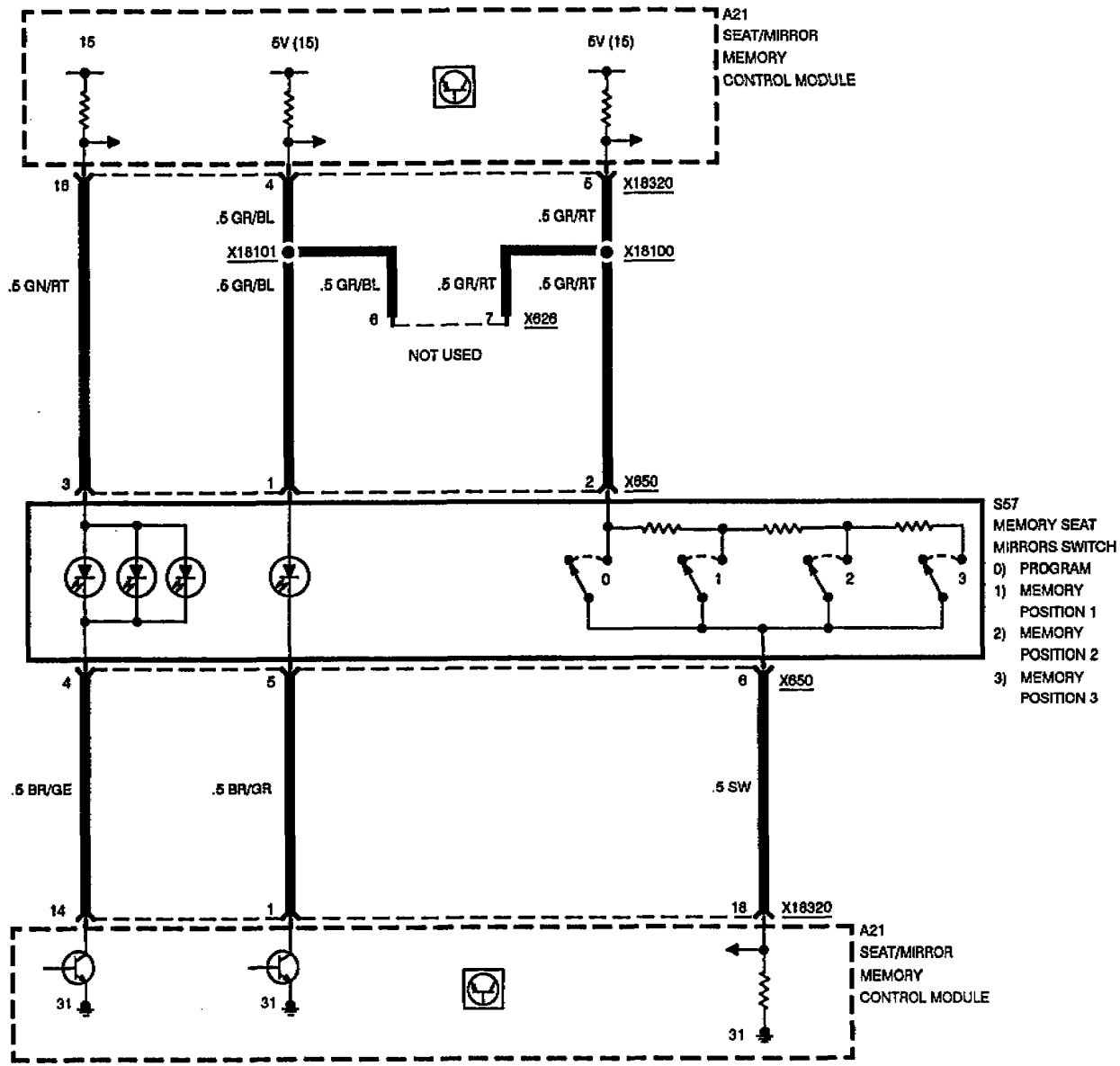
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STEERING COLUMN MEMORY (LSM)

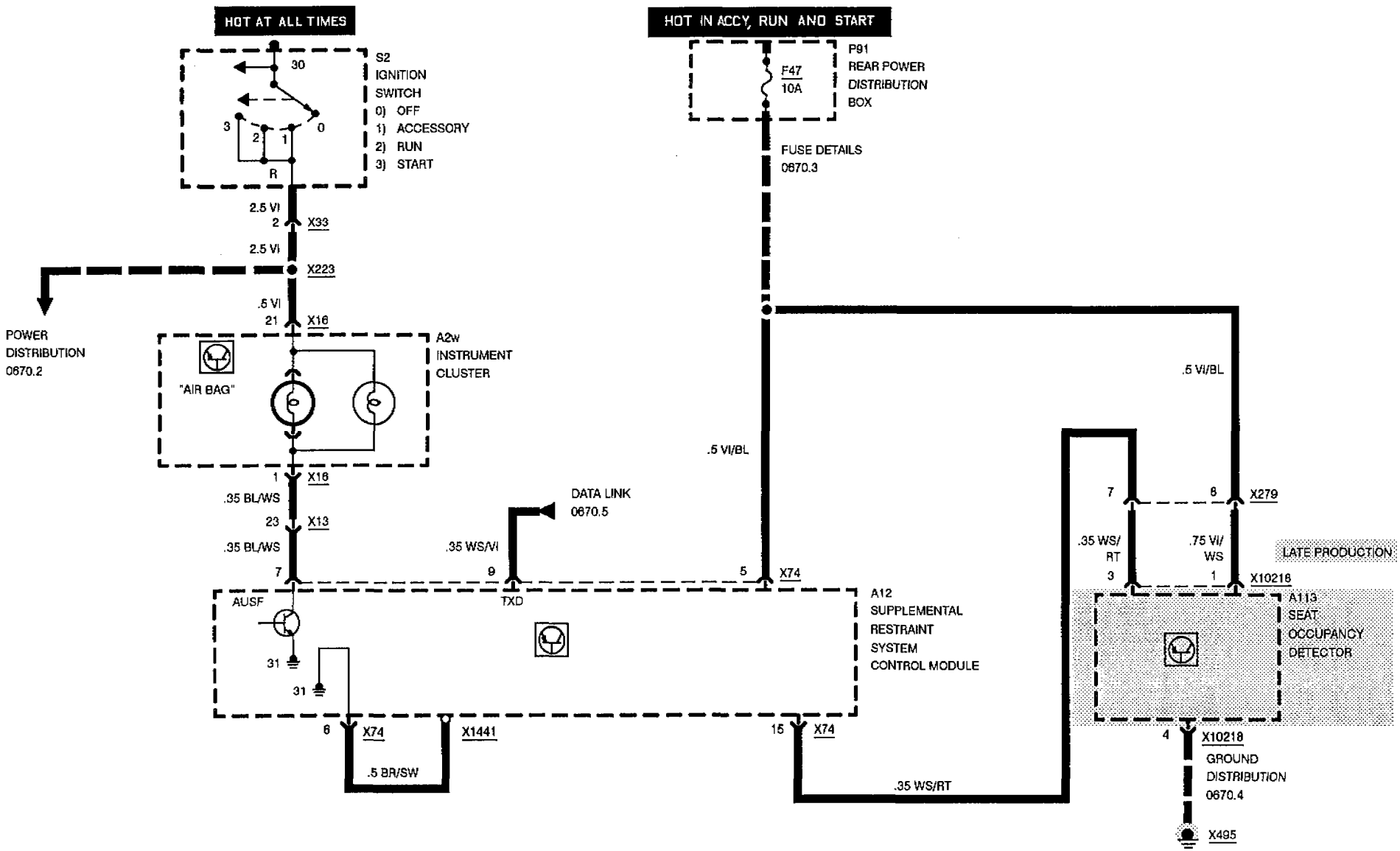
LENGTH ADJUST ONLY



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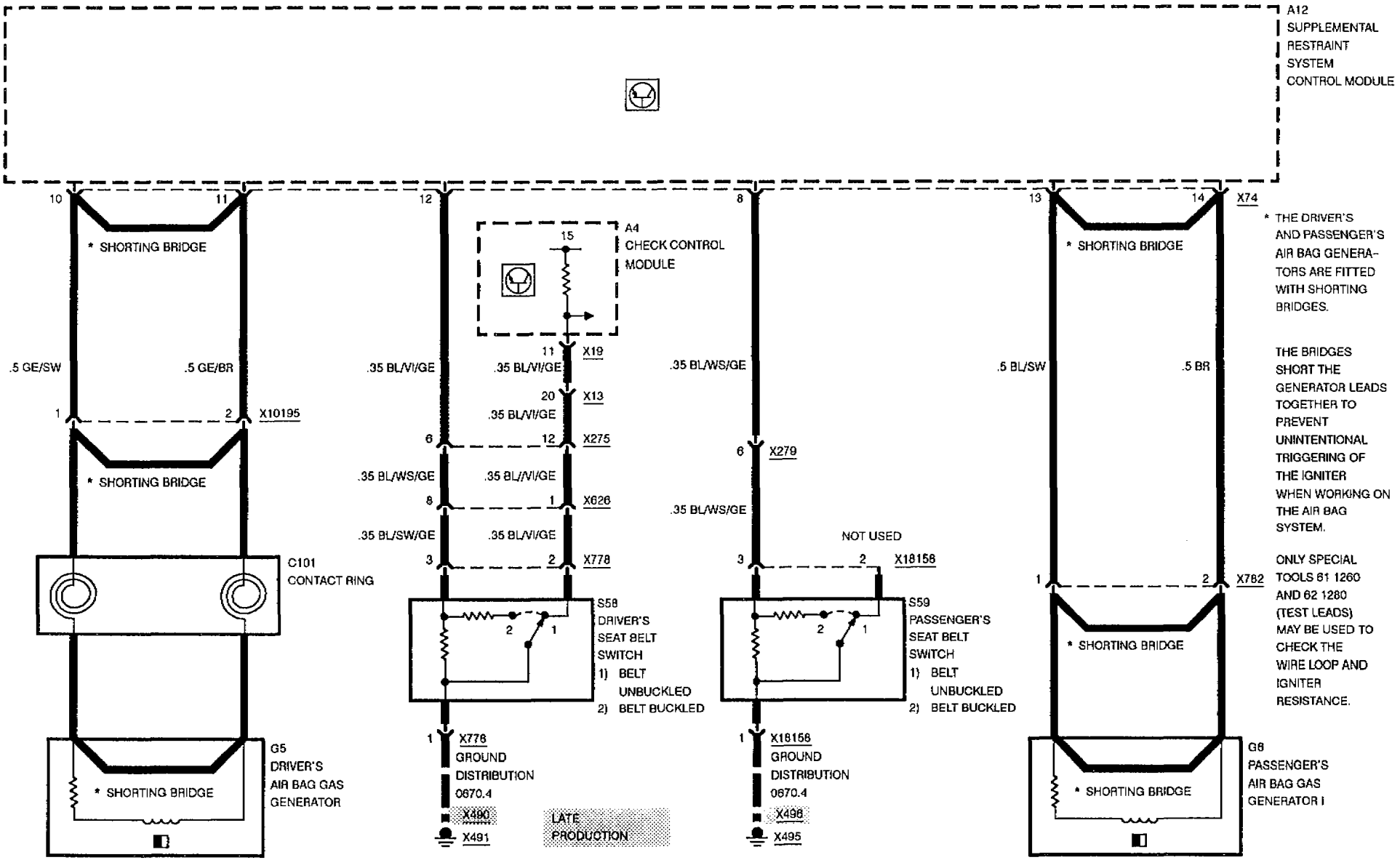
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



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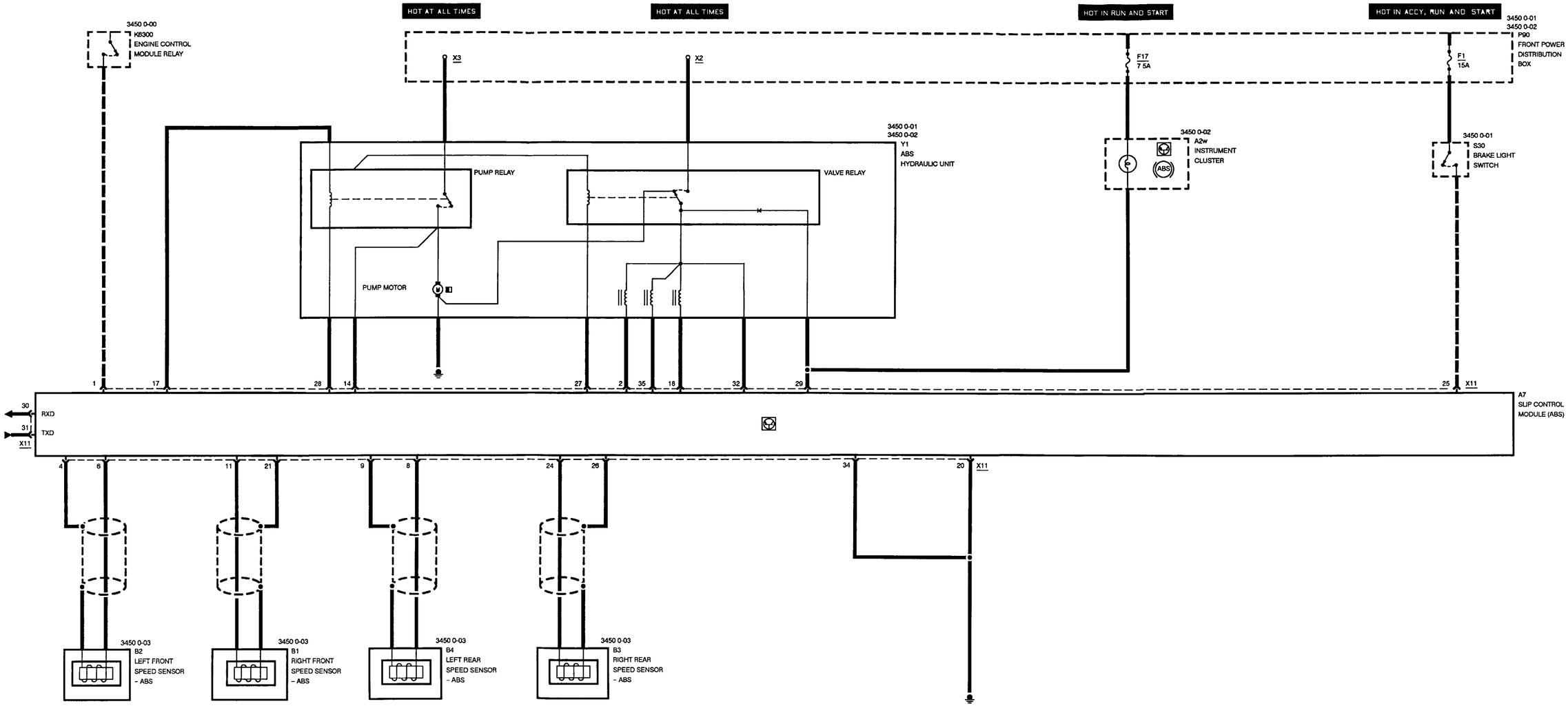
SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



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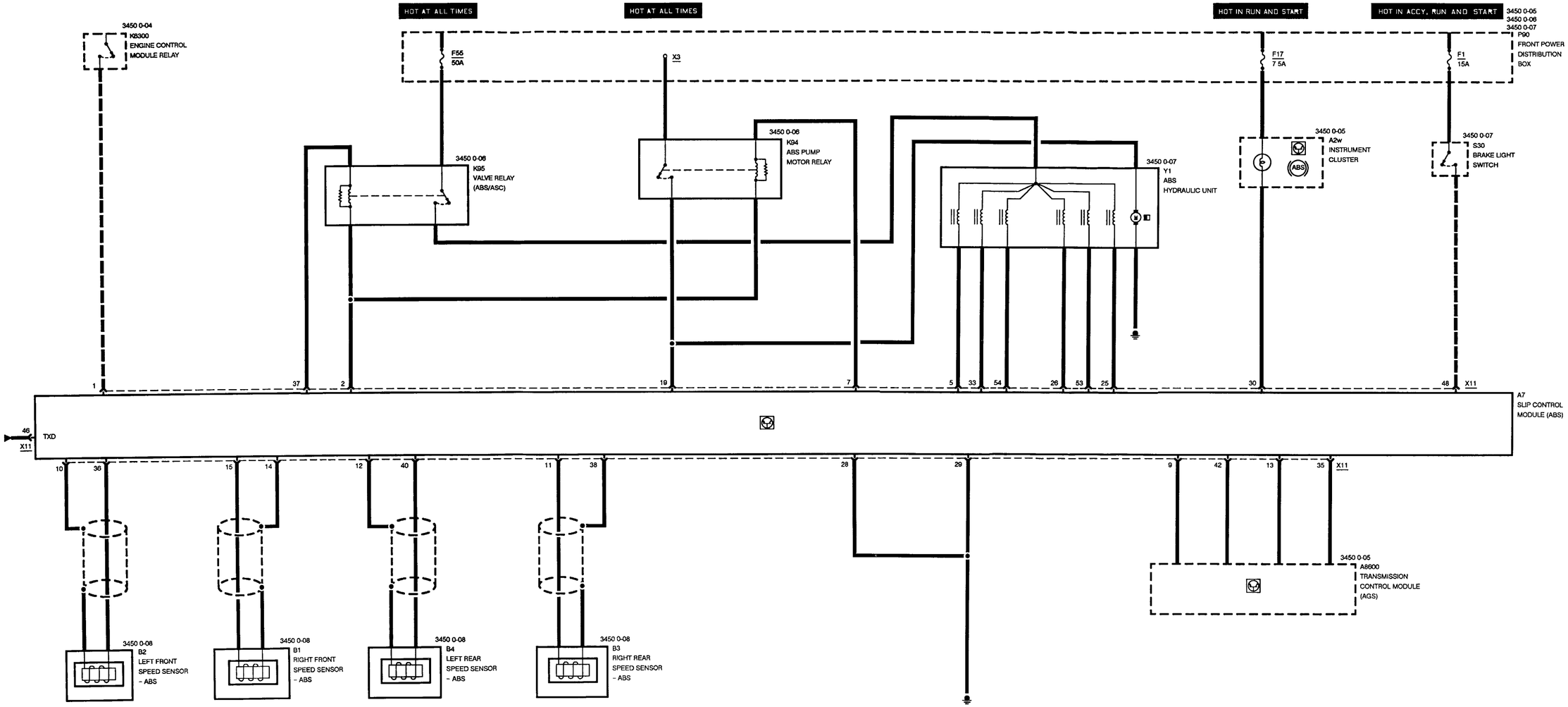
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12/94 3450 0a 1994
12/94 3450 0a 1994

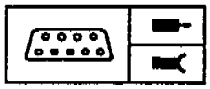


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12/94 — 3450 0b — 1994
12/94 — 3450.0b — 1994



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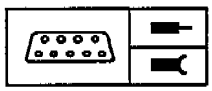
Pin Assignments

X11

Pin	Type	Description/Function	Connection
1	E	Terminal 30 voltage supply	Engine control module relay
2	A	Left front solenoid control	ABS hydraulic unit
3		Not used	
4	E	Speed sensor ground, FL	ABS left front wheel speed sensor
5		Not used	
6	E	Speed sensor signal, FL	ABS left front wheel speed sensor
7		Not used	
8	E	Speed sensor signal, RL	ABS left rear wheel speed sensor
9	E	Speed sensor ground, RL	ABS left rear wheel speed sensor
10		Not used	
11	E	Speed sensor signal, FR	ABS right front wheel speed sensor
12		Not used	
13		Not used	
14	E	Pump relay monitor	ABS hydraulic unit
15		Not used	
16		Not used	
17	A	Pump valve relay	ABS hydraulic unit
18	A	Rear solenoid control	ABS hydraulic unit
19		Not used	
20	M	Ground, control module	Ground point
21	E	Speed sensor ground, FR	ABS right front wheel speed sensor
22		Not used	
23		Not used	
24	E	Speed sensor signal, RR	ABS right rear wheel speed sensor
25	E	Brake pedal position	Brake light switch
26	E	Speed sensor ground, RR	ABS right rear wheel speed sensor
27	A	Valve relay control	ABS hydraulic unit
28	A	Pump motor relay control	ABS hydraulic unit
29	A	ABS warning lamp control	Instrument cluster
30	A	RxD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground

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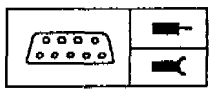


Pin Assignments

Pin	Type	Description/Function	Connection
31	E/A	TxD diagnostic data link	Data link connector
32	E	Display, valve relay	ABS hydraulic unit
33		Not used	
34	M	Ground, control module	Ground point
35	A	Right front solenoid control	ABS hydraulic unit

E = Input, A = Output, M = Ground

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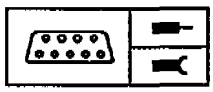
Pin Assignments

X11

Pin	Type	Description/Function	Connection
1	E	Battery voltage	Engine control module relay
2	A	ABS valve relay, ABS pump motor relay	ABS valve relay, ABS pump motor relay
3		Not used	
4		Not used	
5	A	Left front inlet relay	ABS hydraulic unit
6		Not used	
7	A	Voltage signal, ABS pump motor relay	ABS pump motor relay
8		Not used	
9	A	Left front wheel speed signal	Transmission control unit (AGS)
10	A	Left front speed sensor ground	Left front speed sensor
11	E	Right rear speed sensor voltage signal	Right rear speed sensor (ABS)
12	A	Left rear speed sensor ground	Left rear speed sensor
13	A	Left rear wheel speed signal	Transmission control unit (AGS)
14	A	Right front speed sensor ground	Right front speed sensor
15	E	Right front speed sensor voltage	Right front speed sensor (ABS)
16		Not used	
17		Not used	
18		Not used	
19	E	Pump signal	ABS pump motor relay
20		Not used	
21		Not used	
22		Not used	
23		Not used	
24		Not used	
25	A	Rear axle outlet valve	ABS hydraulic unit
26	A	Right front outlet valve	ABS hydraulic unit
27		Not used	
28	M	Ground	Ground point
29	M	Ground	Ground point

E = Input, A = Output, M = Ground

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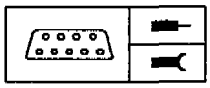


Pin Assignments

Pin	Type	Description/Function	Connection
30	A	Voltage signal, ABS warning lamp	Instrument cluster
31		Not used	
32		Not used	
33	A	Left front outlet valve	ABS hydraulic unit
34		Not used	
35	A	Right rear wheel speed signal	Transmission control unit
36	E	Left front speed sensor voltage signal	Left front speed sensor (ABS)
37	A	Voltage signal, ABS valve relay	ABS valve relay
38	A	Right rear speed sensor ground	Right rear speed sensor
39		Not used	
40	E	Left rear speed sensor voltage signal	Left rear speed sensor
41		Not used	
42	A	Right front wheel speed sensor signal	Transmission control unit (AGS)
43		Not used	
44		Not used	
45		Not used	
46	E/A	TxD diagnostic data link	Data link connector
47		Not used	
48	E	Brake light signal	Brake light switch
49		Not used	
50		Not used	
51		Not used	
52		Not used	
53	A	Rear axle inlet valve	ABS hydraulic unit
54	A	Right front inlet valve	ABS hydraulic unit
55		Not used	
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	
61		Not used	

E = Input, A = Output, M = Ground

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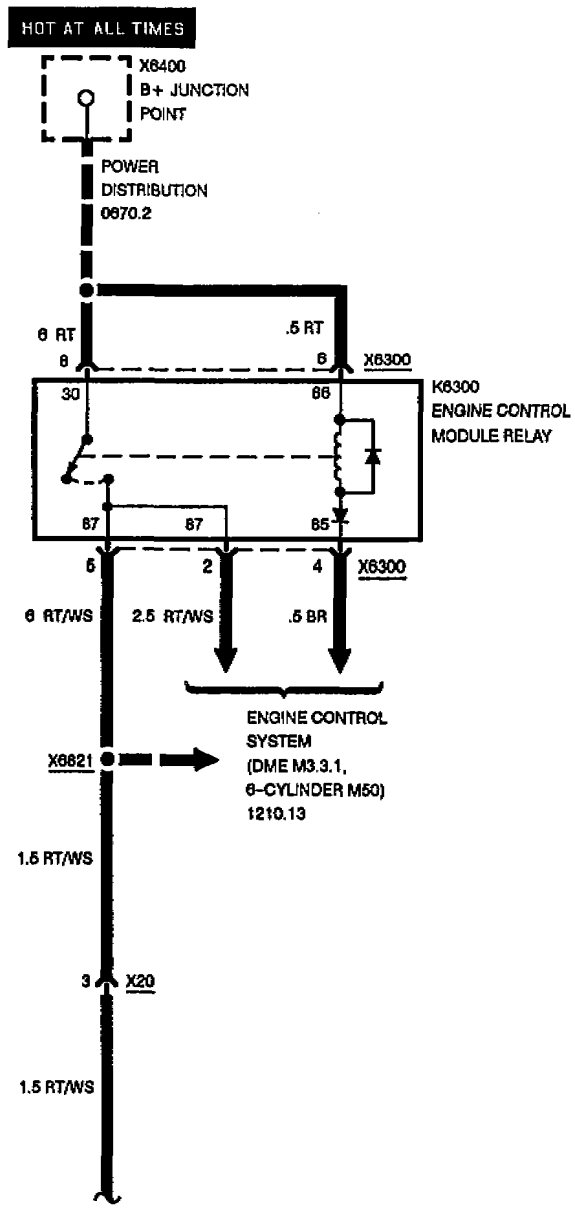


Pin Assignments

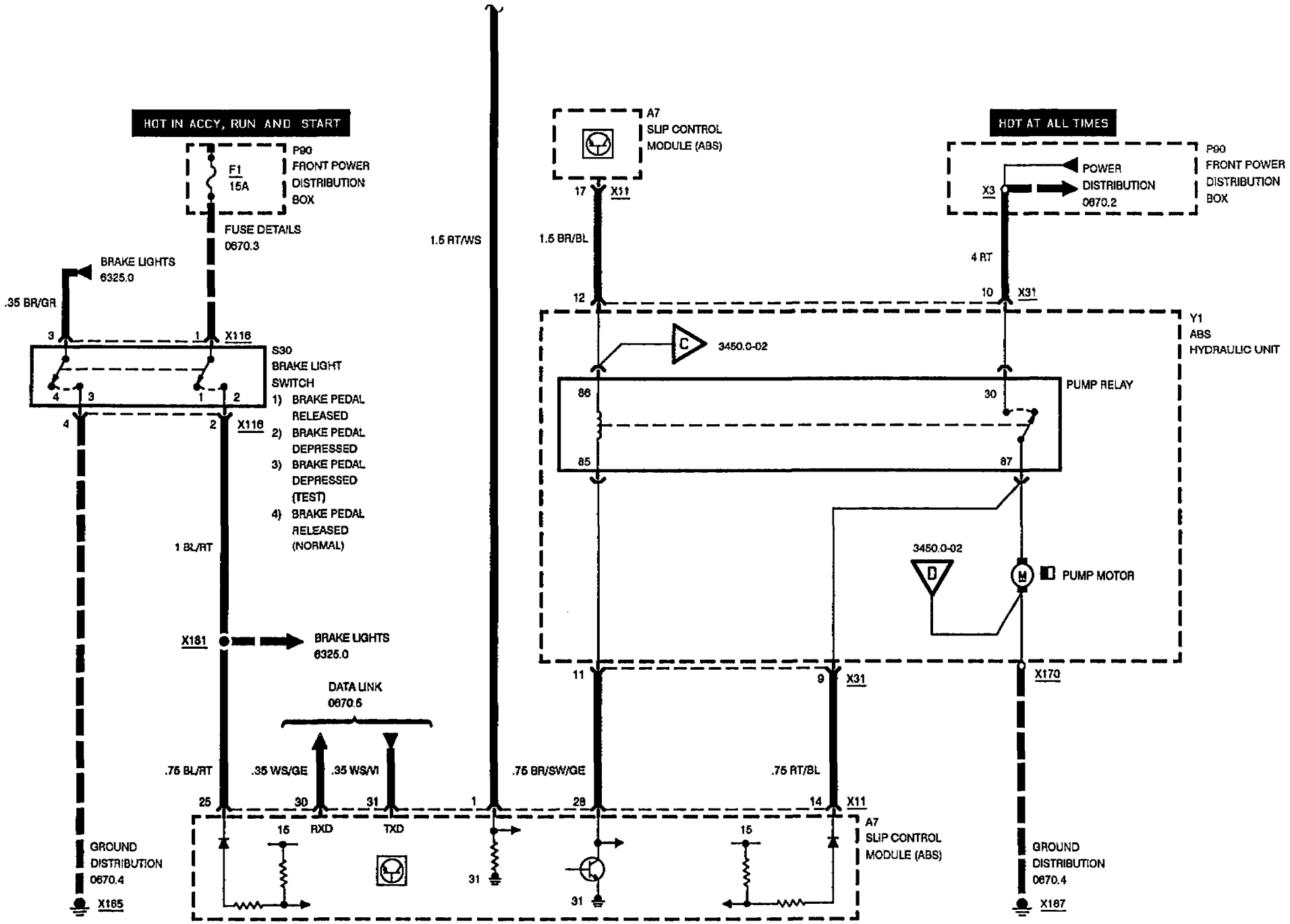
Pin	Type	Description/Function	Connection
62		Not used	
63		Not used	
64		Not used	
65		Not used	
66		Not used	
67		Not used	
68		Not used	
69		Not used	
70		Not used	
71		Not used	
72		Not used	
73		Not used	
74		Not used	
75		Not used	
76		Not used	
77		Not used	
78		Not used	
79		Not used	
80		Not used	
81		Not used	
82		Not used	
83		Not used	
84		Not used	
85		Not used	
86		Not used	
87		Not used	
88		Not used	

E = Input, A = Output, M = Ground

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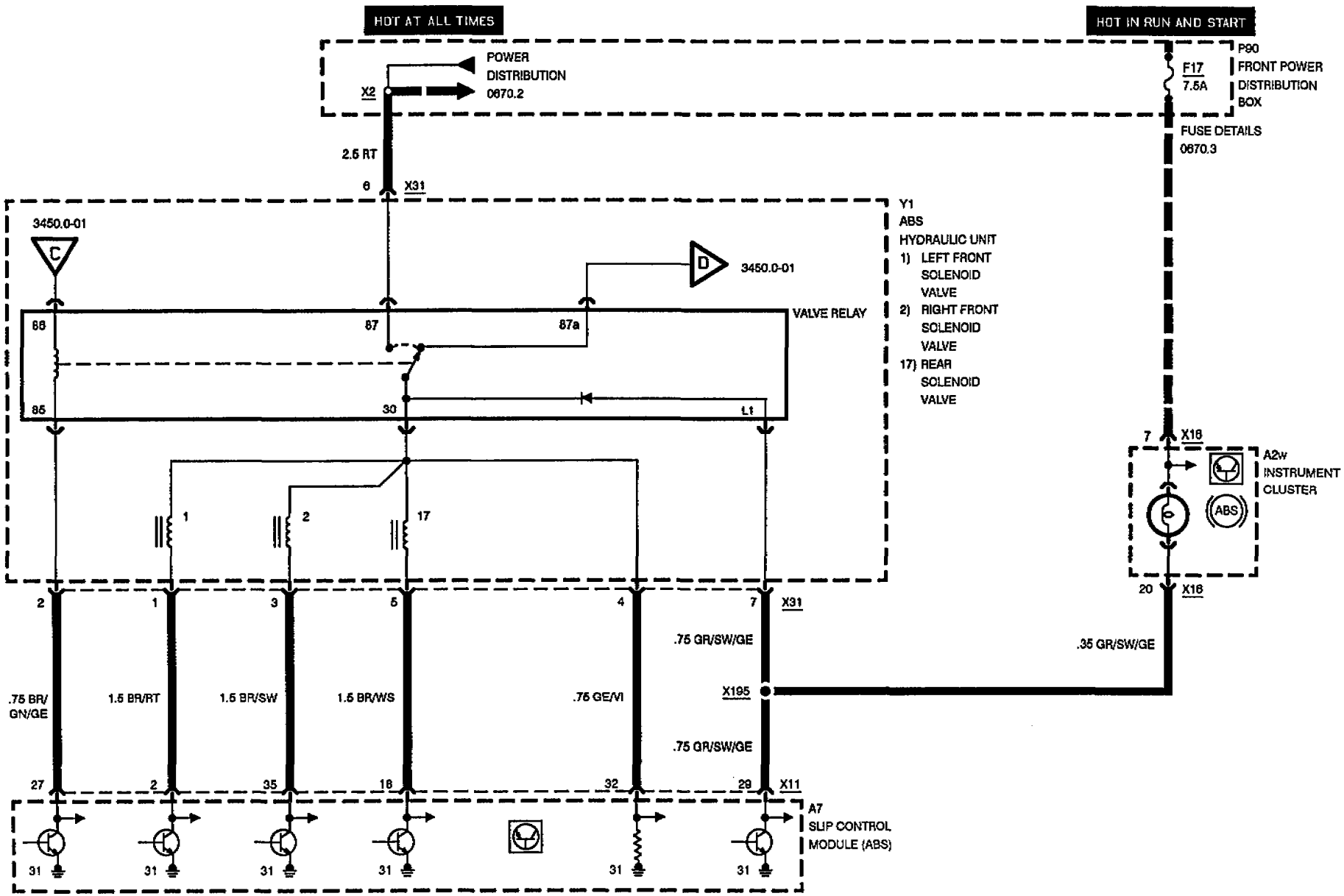
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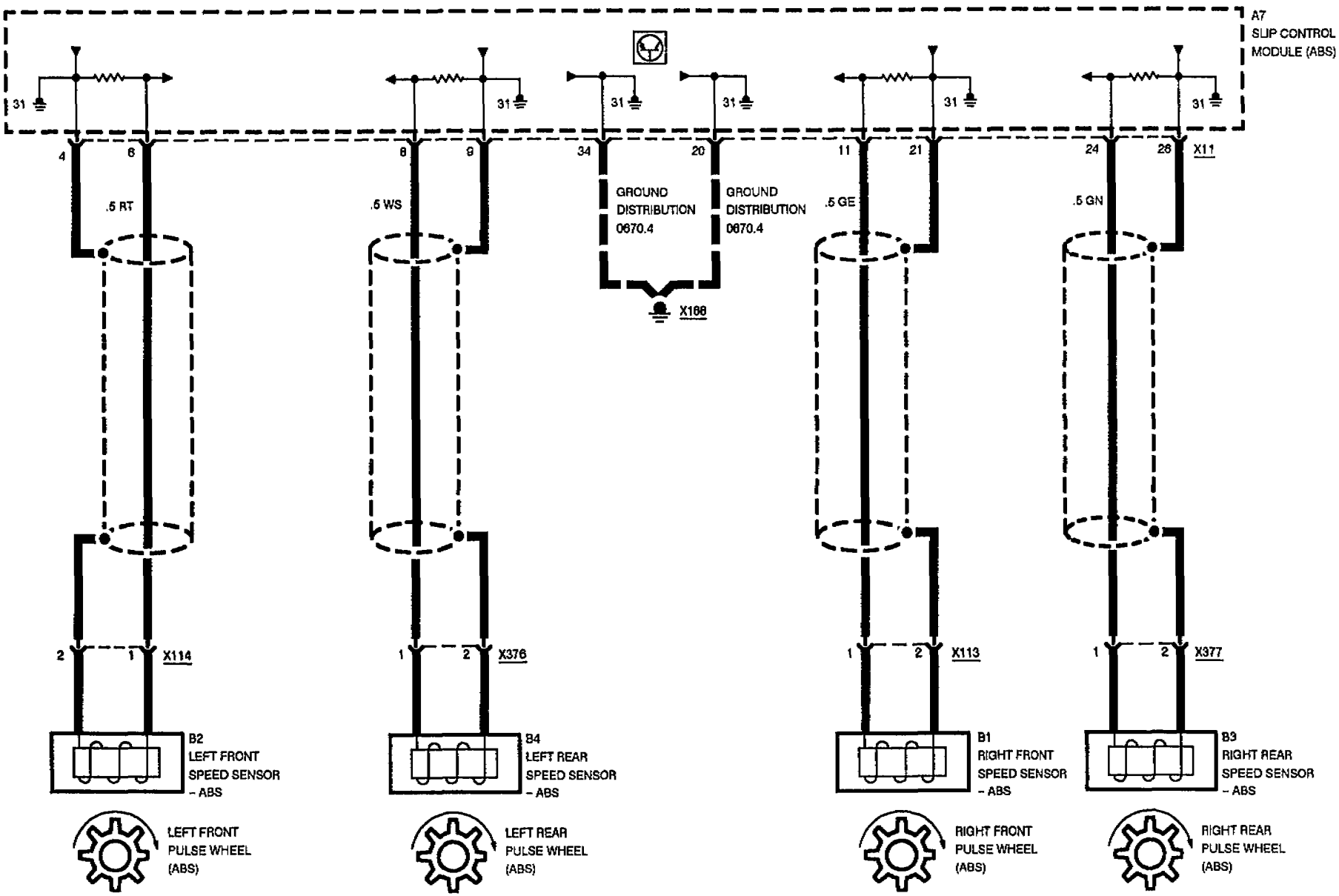
SLIP CONTROL (ABS)

525i/t

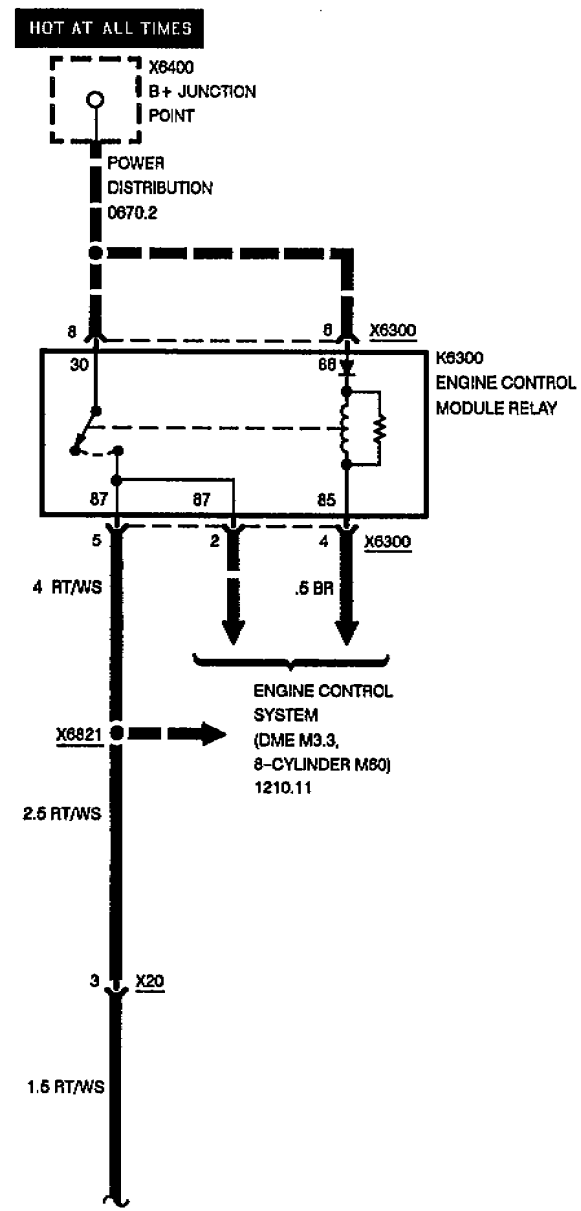


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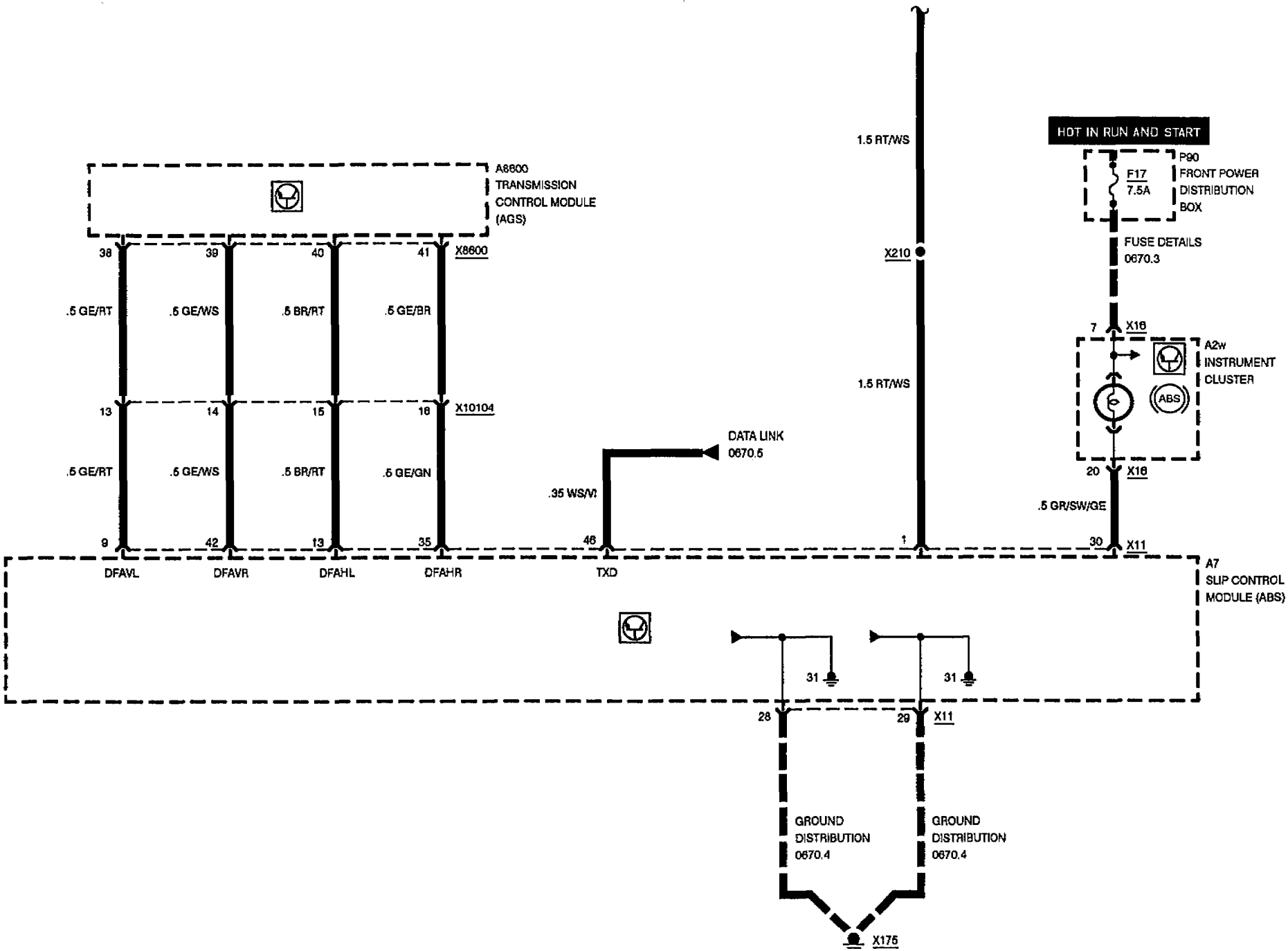
SLIP CONTROL (ABS)



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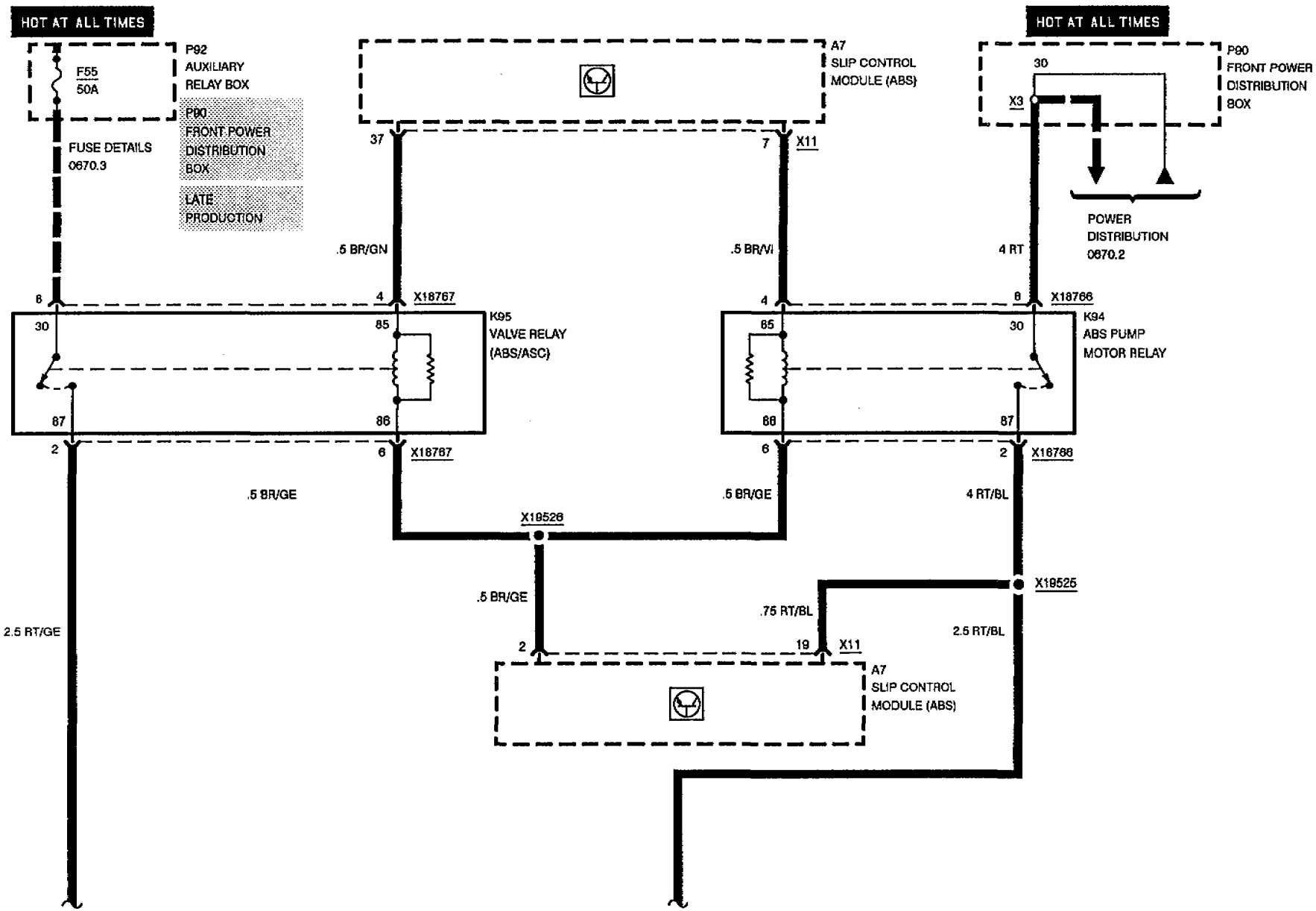
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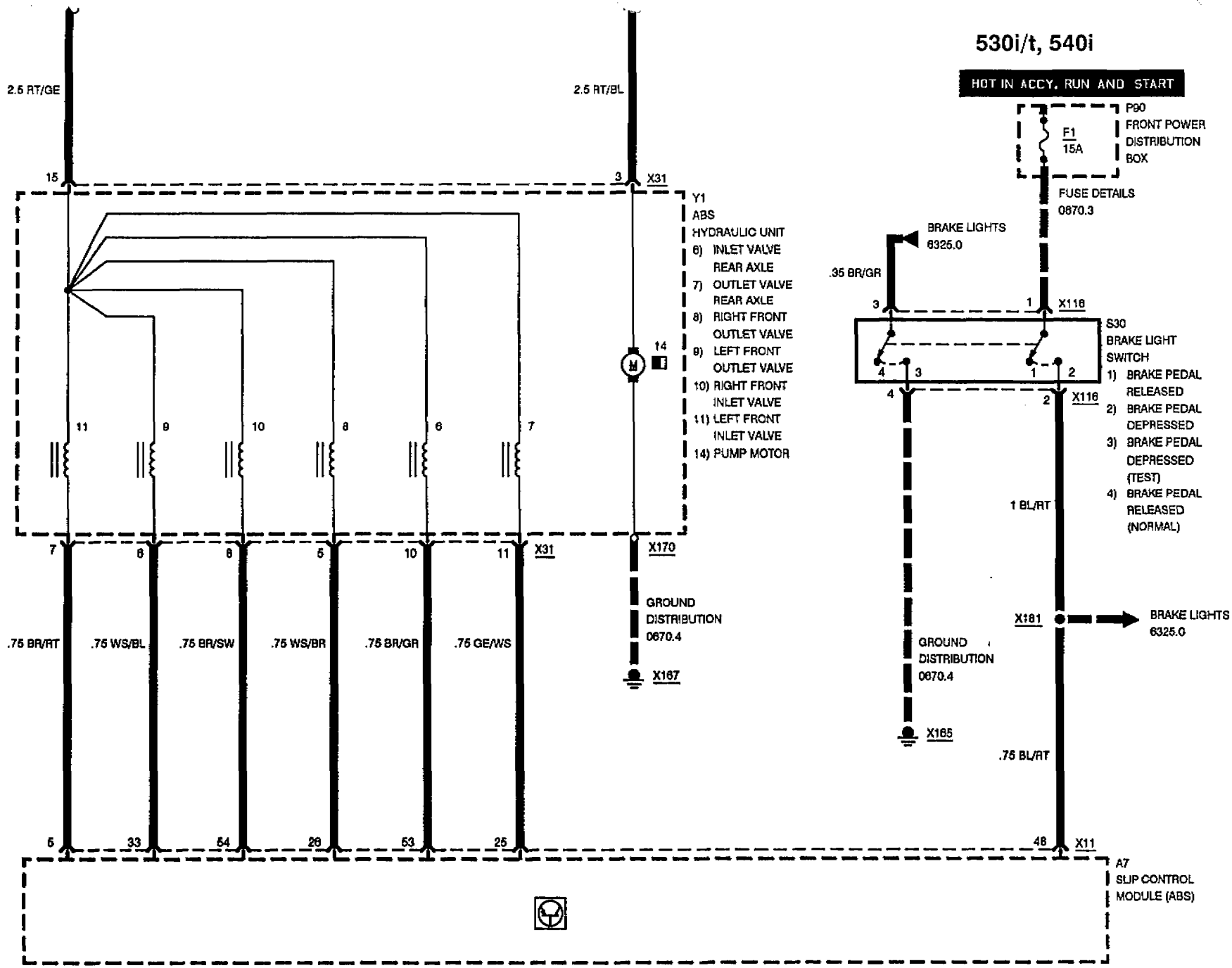
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SLIP CONTROL (ABS)

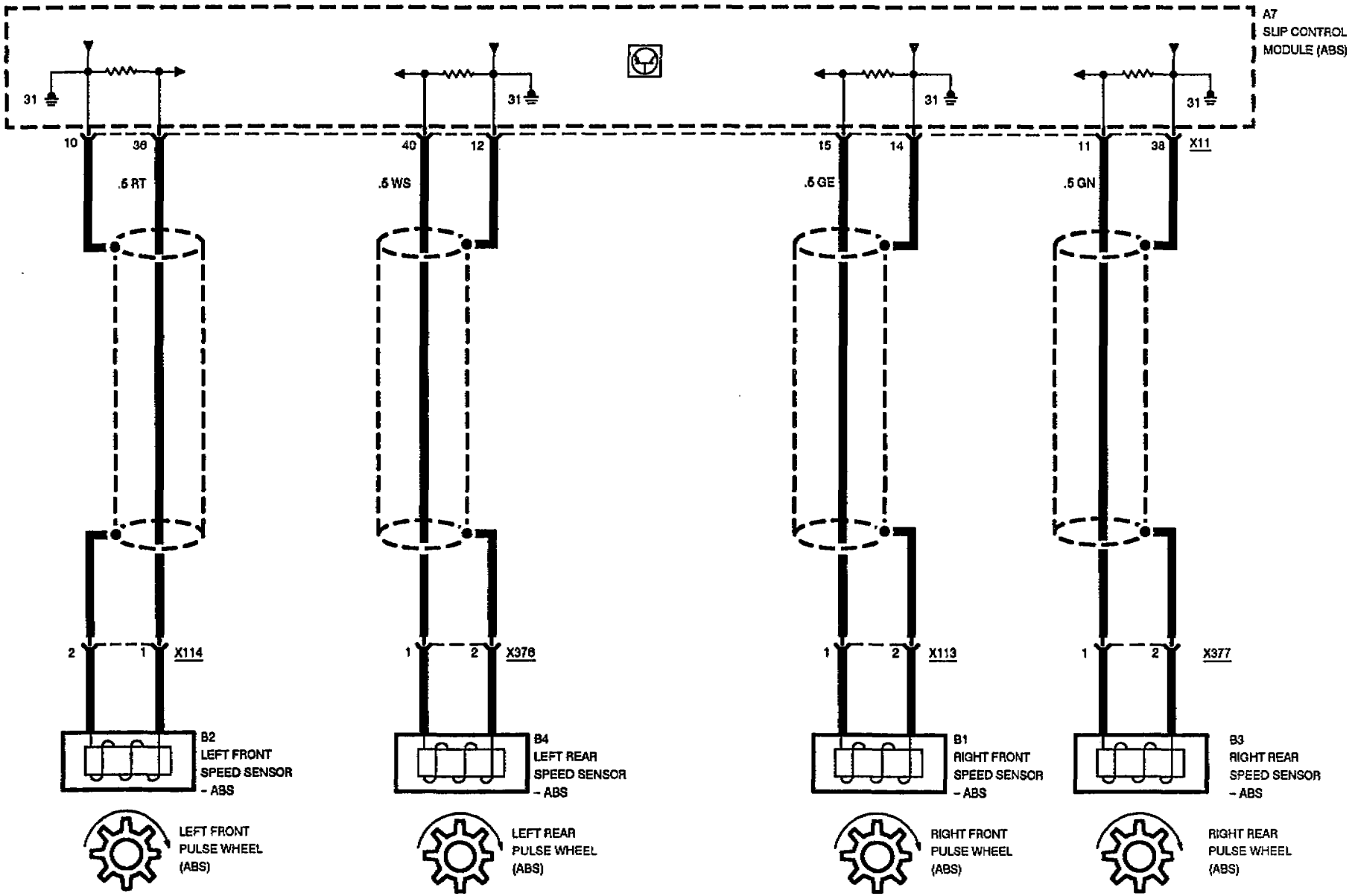
530i/t, 540i



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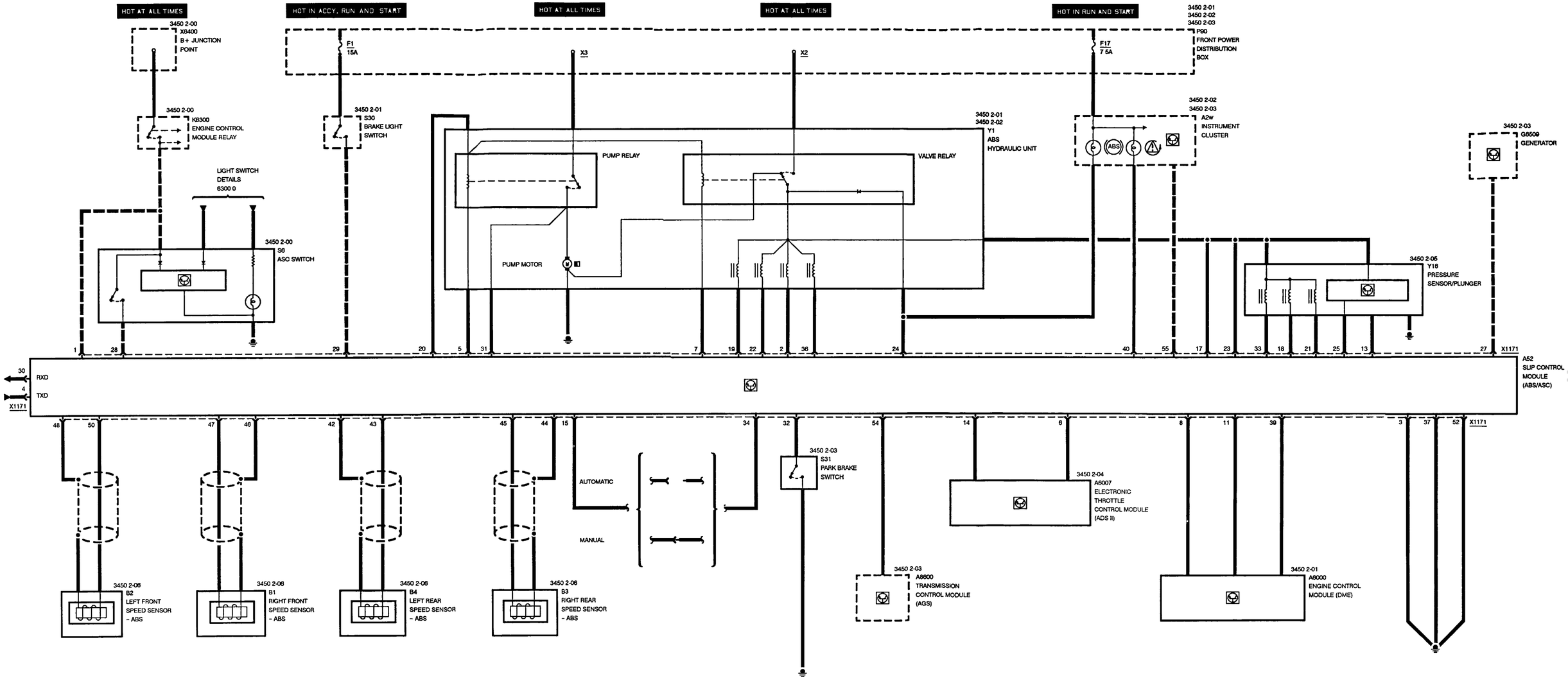


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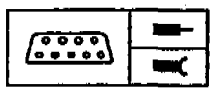


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12/94 — 3450.2 — 1994
12/94 — 3450.2 — 1994



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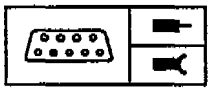
Pin Assignments

X1171

Pin	Type	Description/Function	Connection
1	E	Battery voltage	Engine control module relay
2	A	Signal solenoid valve left rear	ABS hydraulic unit
3	M	Ground	Ground point
4	E/A	TXD diagnostic data link	Data link connector
5	A	Signal pump relay	Hydraulic unit
6	A	Throttle reduction	Electronic throttle control module
7	A	Signal valve relay	Hydraulic unit
8	A	Throttle valve increase	Engine control module (DME)
9		Not used	
10		Not used	
11	E	Plus supply, terminal 30	Engine control module (DME)
12		Not used	
13	E	Operating pressure signal	Pressure sensor/plunger
14	E	Set throttle value	Electronic throttle control module
15	A	Coding plug manual transmission	Pin 34
16		Not used	
17	E	Voltage from valve relay	ABS hydraulic unit/plunger
18	A	Solenoid valve right rear	Pressure sensor/plunger
19	A	Signal solenoid value left front	ABS hydraulic unit
20	A	Pump/valve relay	ABS hydraulic unit
21	A	Solenoid valve left rear	Pressure sensor/plunger
22	A	Signal solenoid valve right front	ABS hydraulic unit
23	E	Voltage from valve relay	ABS hydraulic unit/plunger
24	A	ABS warning lamp control	Instrument cluster
25	E	Accumulator warning treshold	Pressure sensor/plunger
26		Not used	
27	E	D+ (terminal 61d)	Generator
28	E	ASC passive button voltage signal	ASC switch
29	E	Brake light signal	Brake light switch
30	A	RXD diagnostic data link	Data link connector

E = Input, A = Output, M = Ground

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Pin Assignments

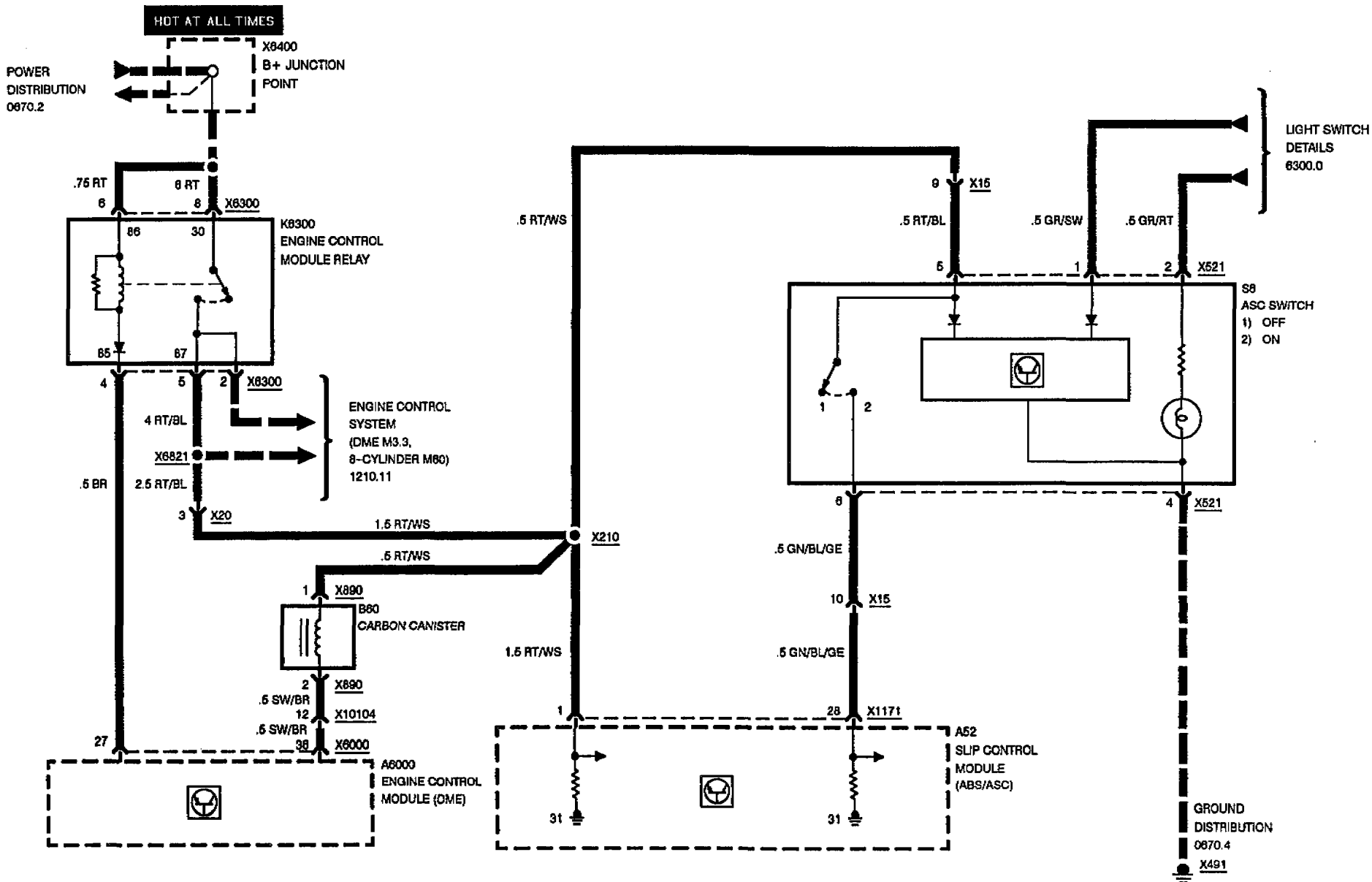
Pin	Type	Description/Function	Connection
31	E	Motor relay signal	Hydraulic unit
32	E	Brake pedal position	Brake light switch
33	A	Recharging valve	Pressure sensor/plunger
34	E	Coding plug manual transmission	Pin 15
35		Not used	
36	A	Signal solenoid valve right rear	ABS hydraulic unit
37	M	Ground	Ground point
38		Not used	
39	A	Ignition angle adjustment	Engine control module (DME)
40	A	ASC multi-function lamp	Instrument cluster
41		Not used	
42	E	Speed sensor ground	Left rear speed sensor ABS
43	E	Speed sensor signal	Left rear speed sensor ABS
44	E	Speed sensor ground	Right rear speed sensor ABS
45	E	Speed sensor signal	Right rear speed sensor ABS
46	E	Speed sensor ground	Right front speed sensor ABS
47	E	Speed sensor signal	Right front speed sensor ABS
48	E	Speed sensor ground	Left front speed sensor ABS
49		Not used	
50	E	Speed sensor signal	Left front speed sensor ABS
51		Not used	
52	M	Ground	Ground point
53		Not used	
54	A	Signal transmission intervention	Transmission control module (AGS)
55	E	Engine speed signal	Instrument cluster

E = Input, A = Output, M = Ground

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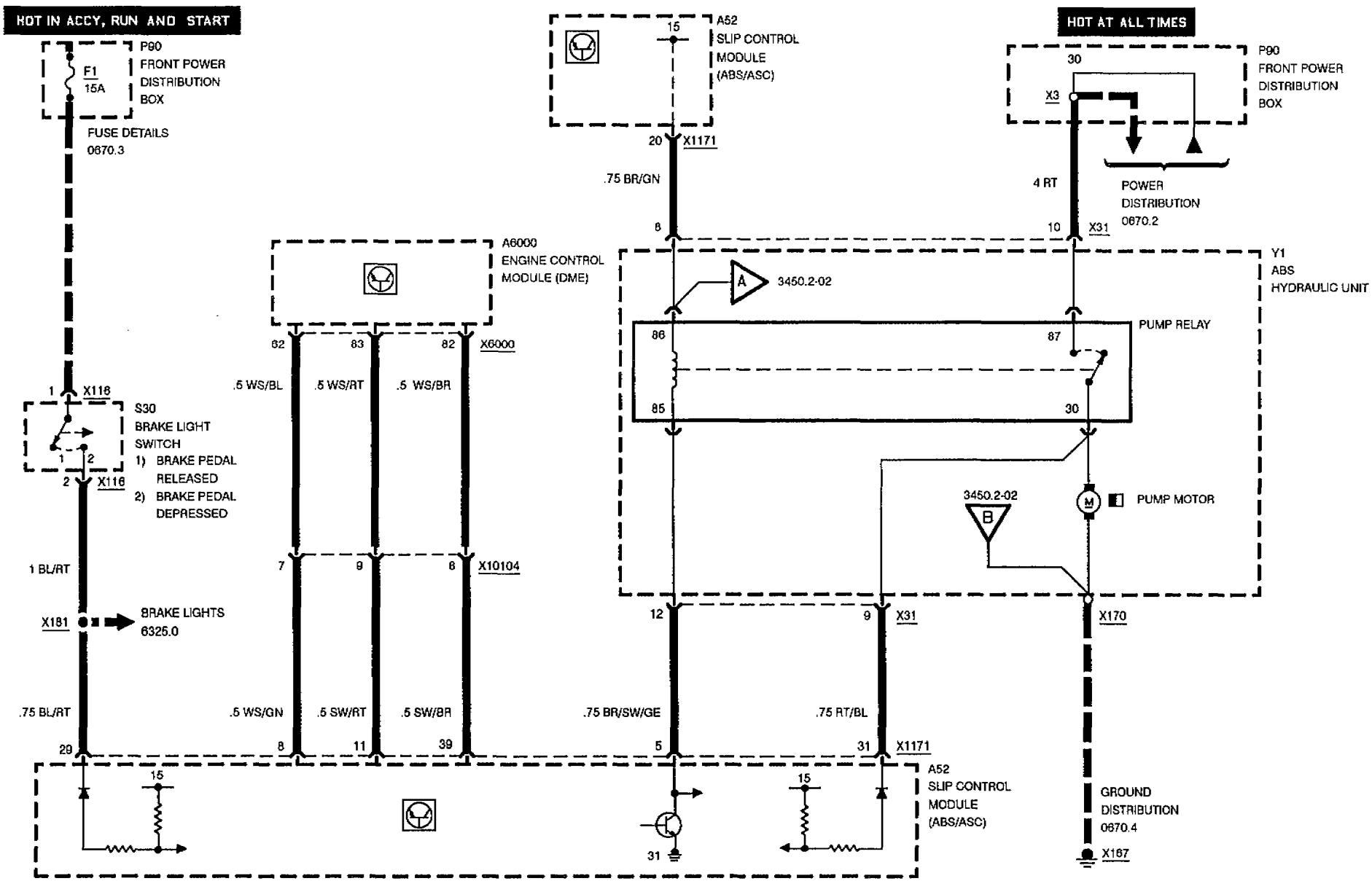
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SLIP CONTROL (ABS/ASC+T)



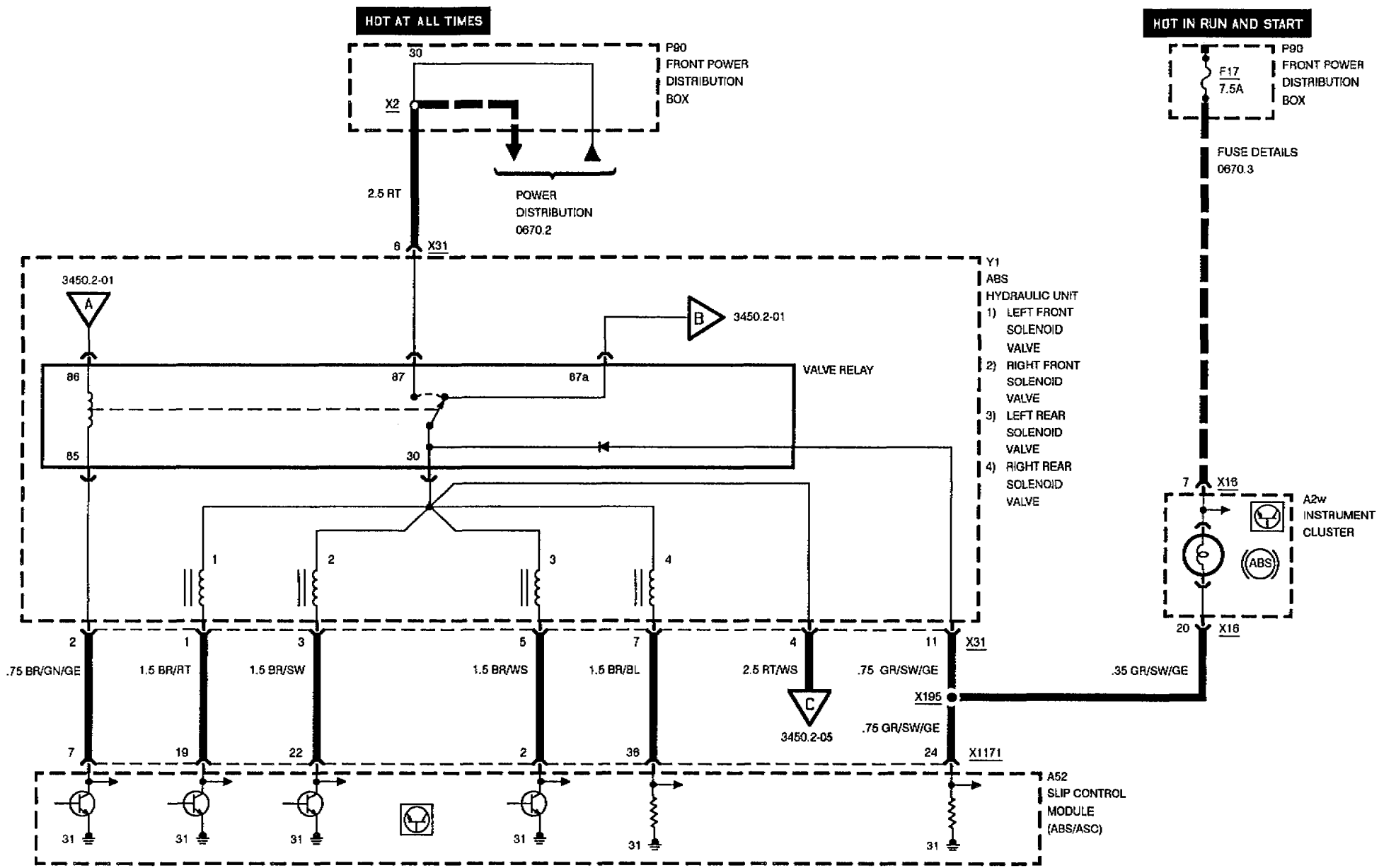
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SLIP CONTROL (ABS/ASC+T)

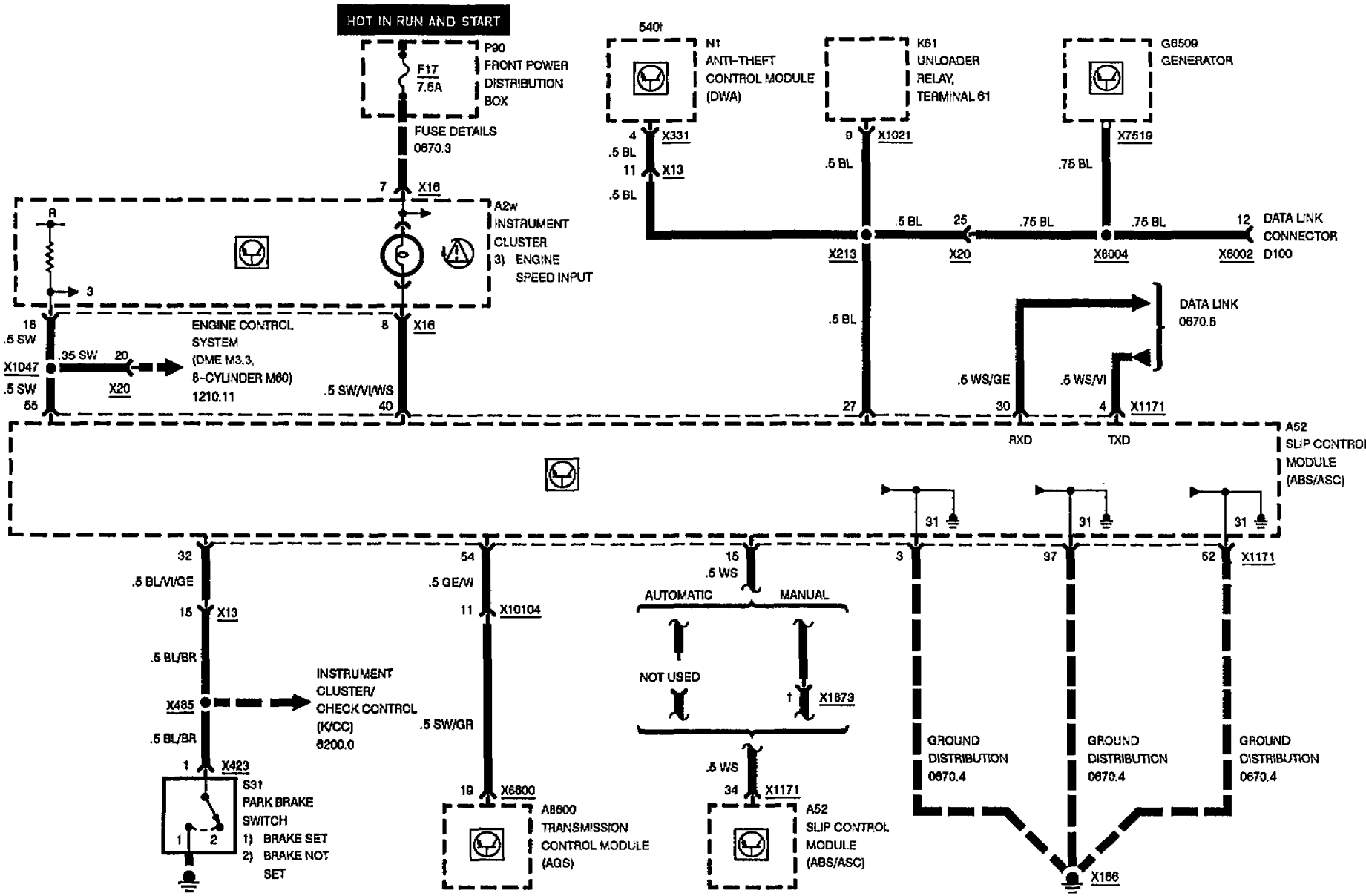


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SLIP CONTROL (ABS/ASC+T)



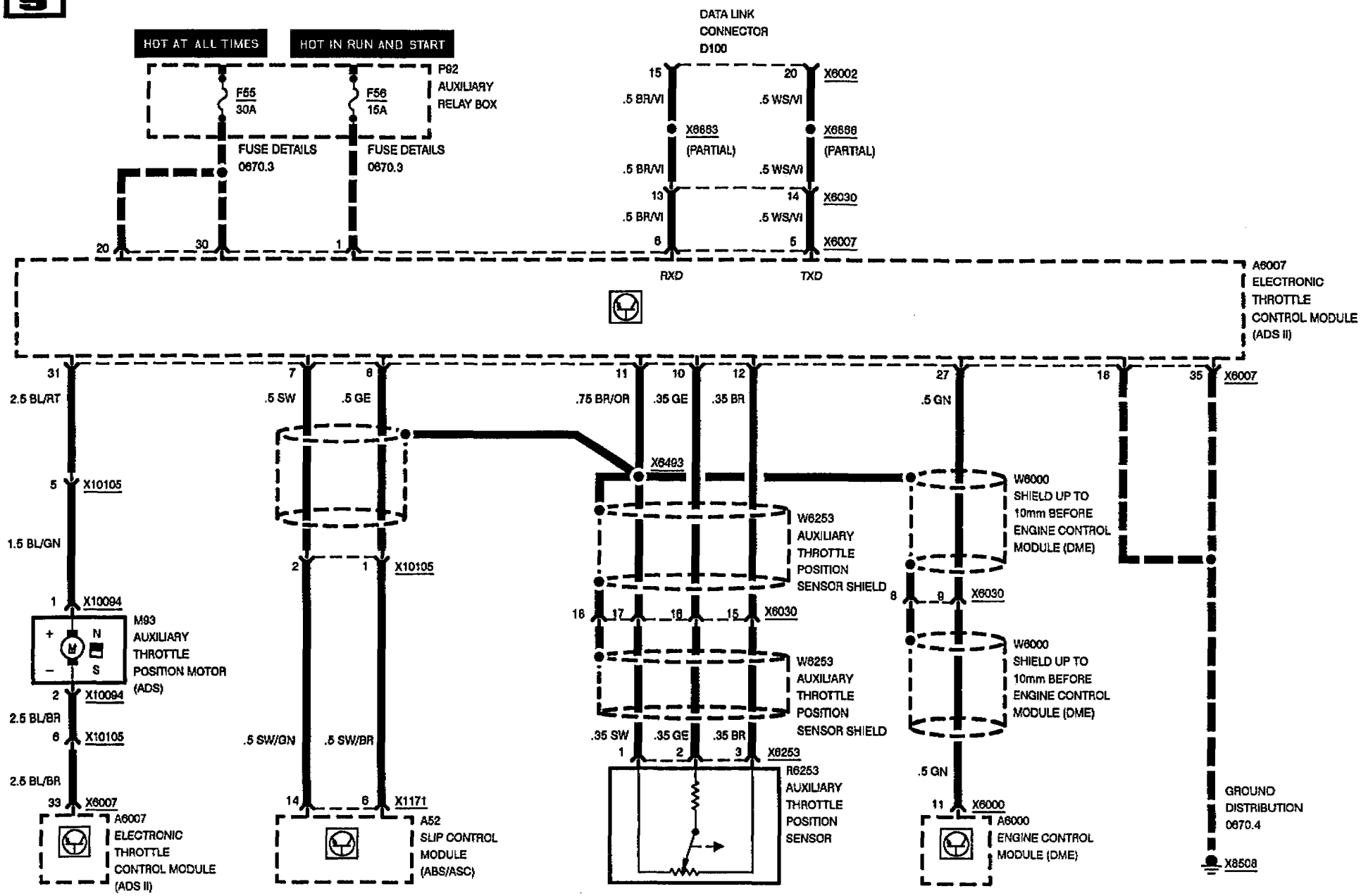
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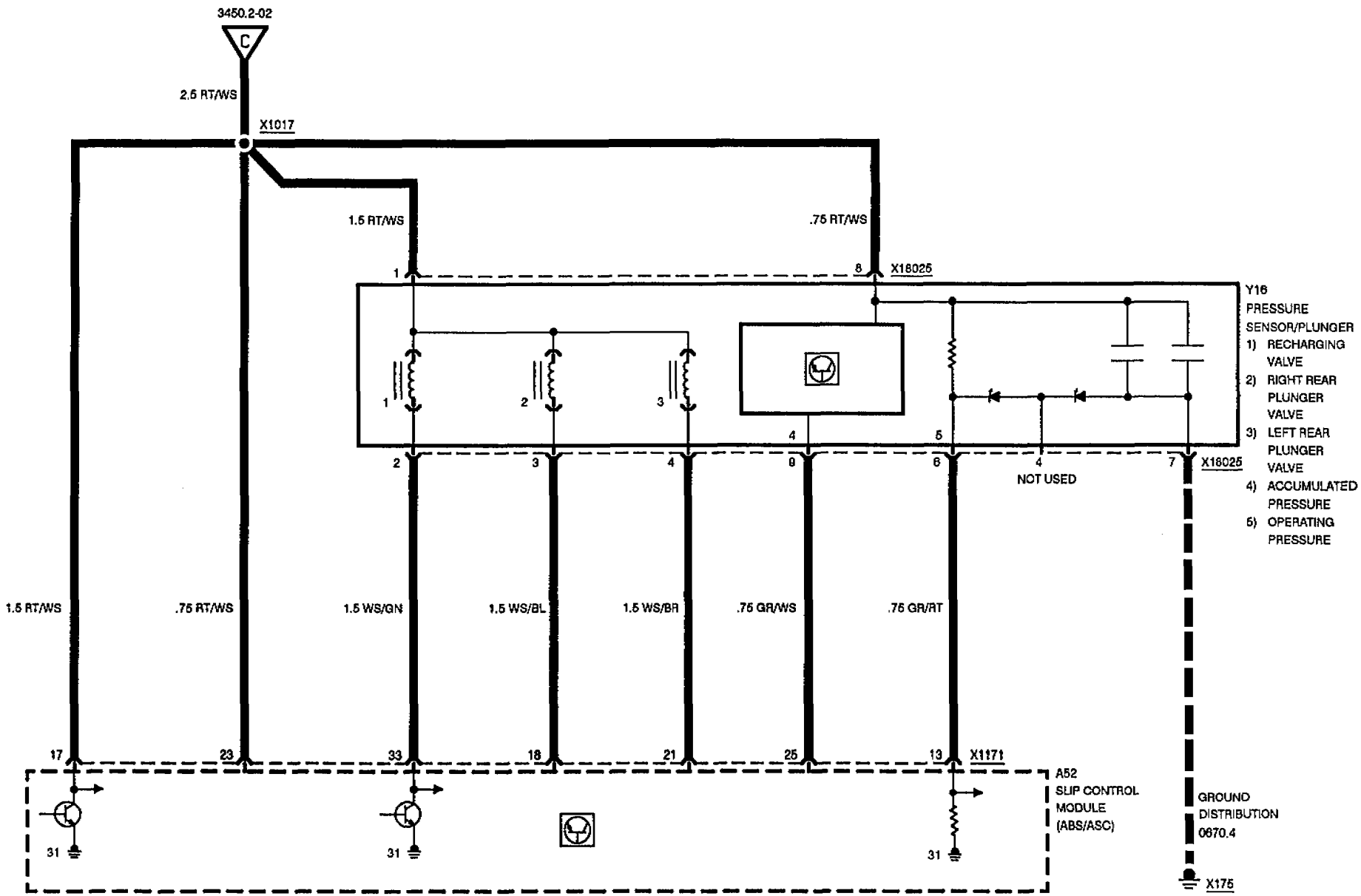
SLIP CONTROL (ABS/ASC+T)

SOP 02/93 530i/t, 540i



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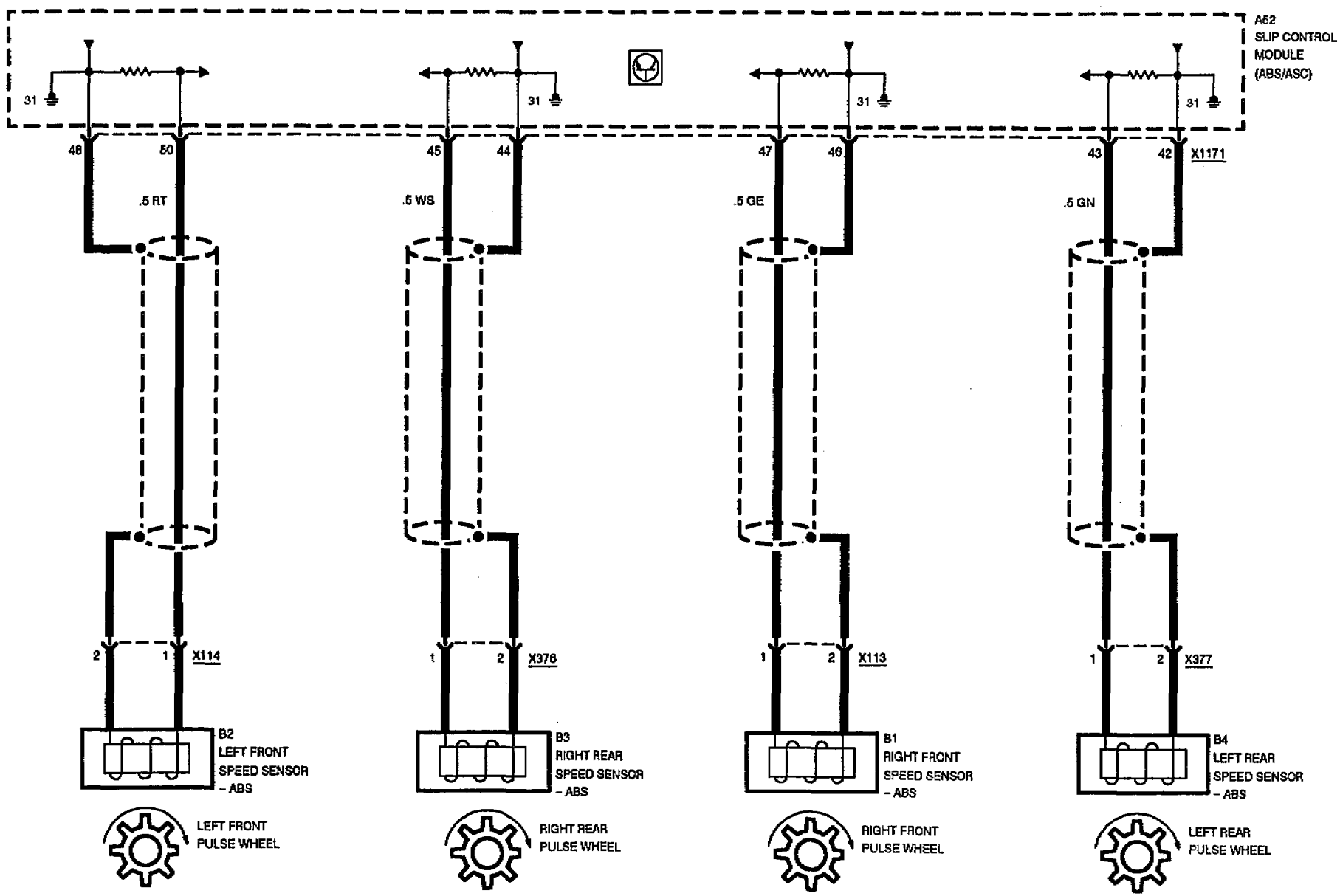
SLIP CONTROL (ABS/ASC+T)



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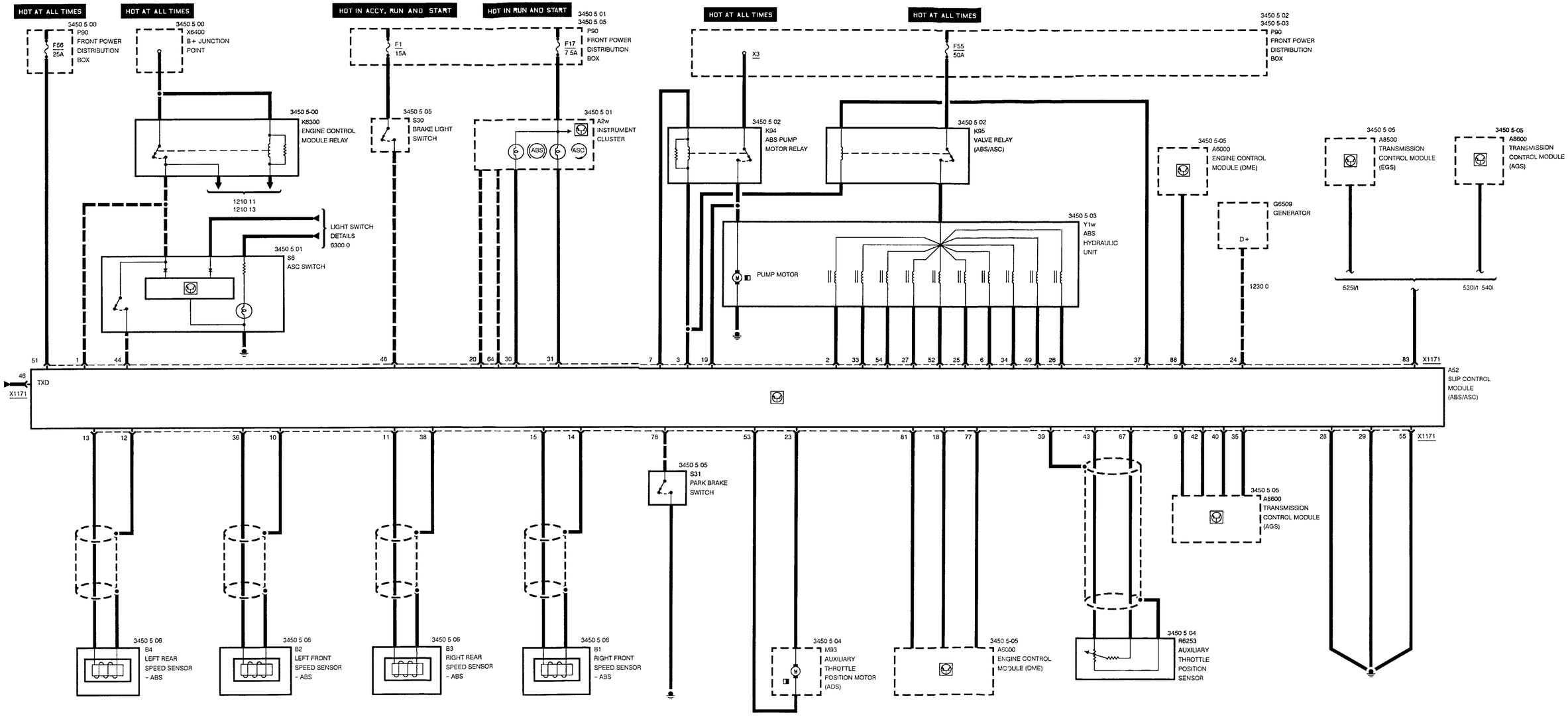
SLIP CONTROL (ABS/ASC+T)

SOP 02/93 530i/t, 540i

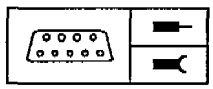


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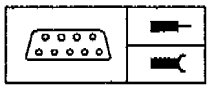
Pin Assignments

X1171

Pin	Type	Description/Function	Connection
1	E	Battery voltage	Engine control module relay
2	A	Left front inlet valve	ABS hydraulic unit
3	A	ABS/ASC valve relay, ABS pump motor relay	ABS/ASC valve relay, ABS pump motor relay
4		Not used	
5		Not used	
6	A	Right rear inlet valve	ABS hydraulic unit
7	A	Voltage signal	ABS pump motor relay
8		Not used	
9	A	Left front wheel speed sensor signal	Transmission control unit (AGS)
10	A	*Left front speed sensor ground*	*Left front speed sensor*
11	E	Right rear speed sensor voltage signal	Right rear speed sensor (ABS)
12	A	Left rear speed sensor ground	Left rear speed sensor
13	A	Left rear speed voltage signal	Left rear speed sensor (ABS)
14	A	Right front speed sensor ground	Right front speed sensor
15	E	Right front speed sensor voltage signal	Right front speed sensor (ABS)
16		Not used	
17		Not used	
18	E	EML-signal	Engine control module (DME)
19	E	Voltage signal	ABS pump motor relay ABS hydraulic unit
20	E	Engine speed signal	Instrument cluster
21		Not used	
22		Not used	
23	A	Auxiliary throttle control motor, voltage	ADS throttle control motor
24	E	Terminal 61 D+	Generator
25	A	Left rear outlet valve	ABS hydraulic unit
26	A	Pressure intake valve	ABS hydraulic unit
27	A	Right front outlet valve	ABS hydraulic unit
28	M	Ground	Ground point

E = Input, A = Output, M = Ground

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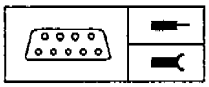


Pin Assignments

Pin	Type	Description/Function	Connection
29	M	Ground	Ground point
30	A	Voltage signal, ABS warning lamp	Instument cluster
31	A	ASC multi-function lamp	Instrument cluster
32		Not used	
33	A	Left front outlet valve	ABS hydraulic unit
34	A	Right rear outlet valve	ABS hydraulic unit
35	A	Right rear wheel speed signal	Transmission control unit (AGS)
36	E	Left front speed sensor, voltage signal	Left front speed sensor (ABS)
37	A	Voltage signal, ABS/ASC valve relay	ABS valve relay
38	A	Right rear speed sensor ground	Right rear speed sensor
39	A	Throttle control potentiometer ground	Throttle control potentiometer
40	A	Left rear wheel speed signal	Transmission control unit (AGS)
41		Not used	
42	A	Right front wheel speed signal	Transmission control unit (AGS)
43	A	Throttle control potentiometer, voltage	Throttle flap potentiometer (ASC)
44	E	ASC passive button voltage signal	ASC switch
45		Not used	
46	E/A	TxD diagnostic data link	Data link connector
47		Not used	
48	E	Brake light signal	Brake light switch
49	A	Plunger valve	ABS hydraulic unit
50		Not used	
51	E	Voltage supply	Front power distribution box
52	A	Left rear outlet valve	ABS hydraulic unit
53	E	Auxiliary throttle control motor, ground	ADS throttle control motor
54	A	Left front inlet valve	ABS hydraulic unit
55	M	Ground	Ground point
56		Not used	
57		Not used	
58		Not used	
59		Not used	
60		Not used	

E = Input, A = Output, M = Ground

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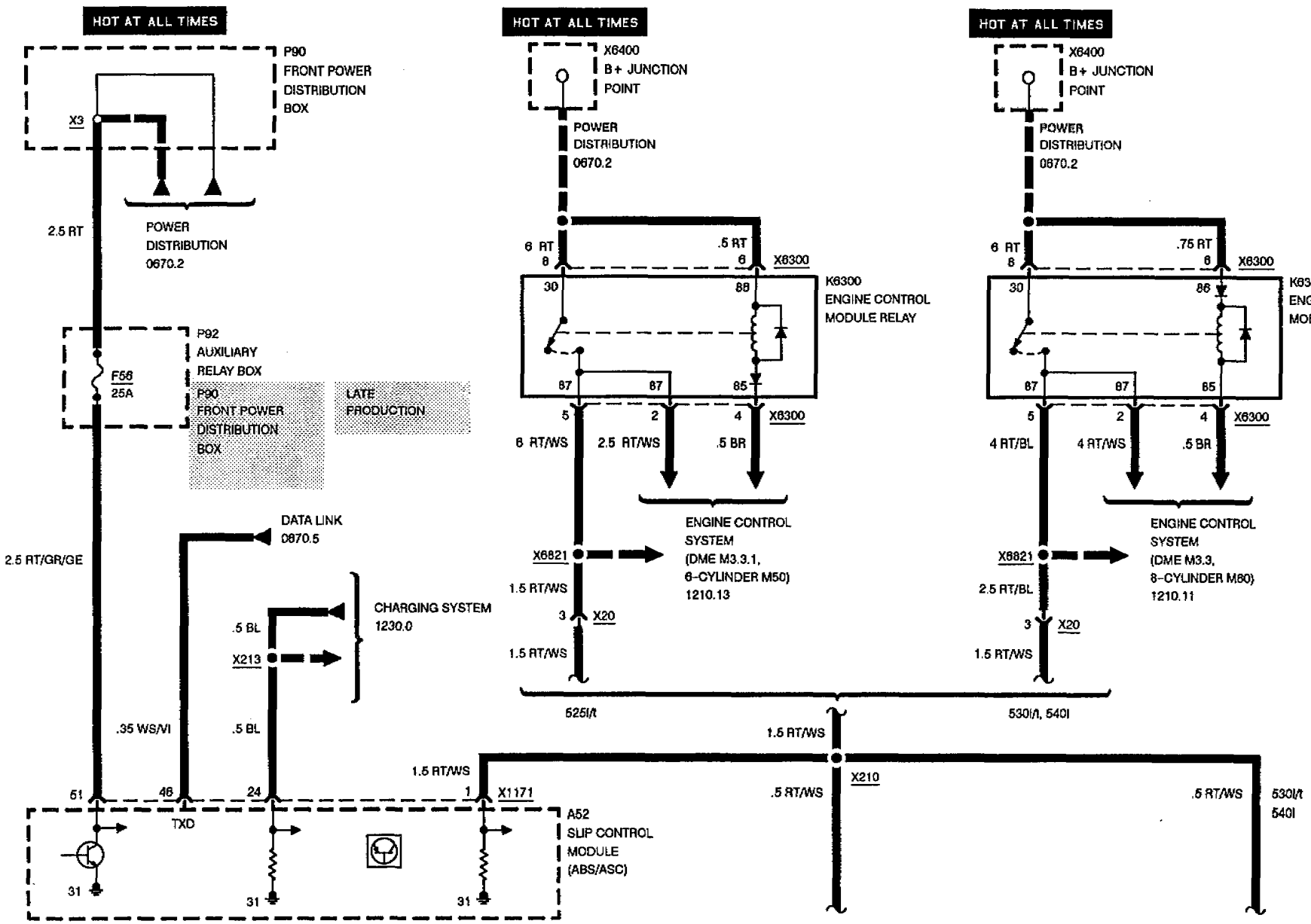
Pin Assignments

Pin	Type	Description/Function	Connection
61		Not used	
62		Not used	
63		Not used	
64	E	Brake fluid warning lamp signal	Instrument cluster
65		Not used	
66		Not used	
67	E	Throttle control potentiometer, signal	Throttle flap potentiometer (ASC)
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	E	Park brake signal	Park brake switch
77	A	Ignition timing set	Engine control module (DME)
78		Not used	
79		Not used	
80		Not used	
81	E	Signal line	Engine control module (DME)
82		Not used	
83	A	Transmission intervention	Transmission control unit (AGS/EGS)
84		Not used	
85		Not used	
86		Not used	
87		Not used	
88	E	Throttle angle signal	Transmission control unit (AGS)

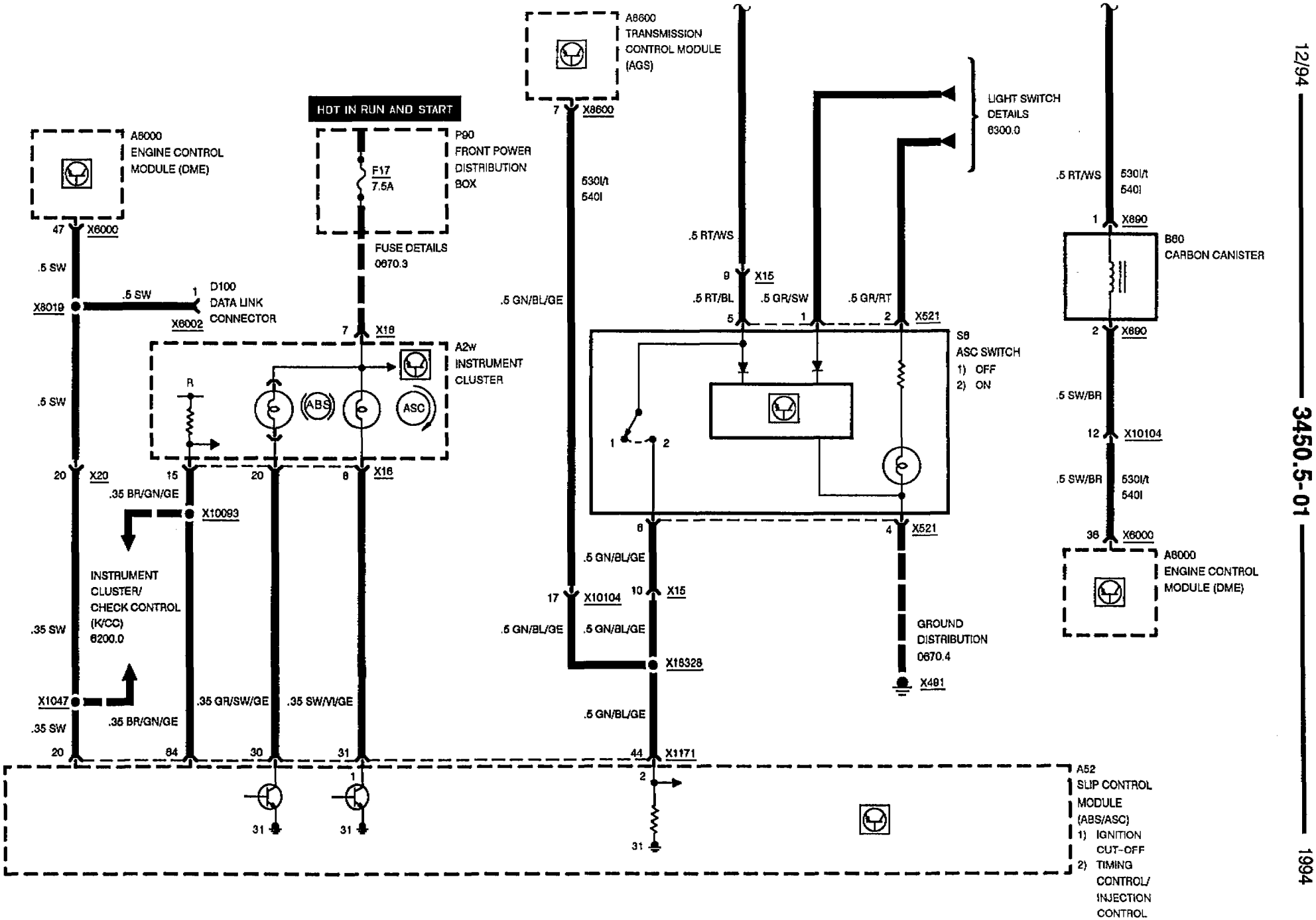
E = Input, A = Output, M = Ground

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SLIP CONTROL 5 (ASC 5)

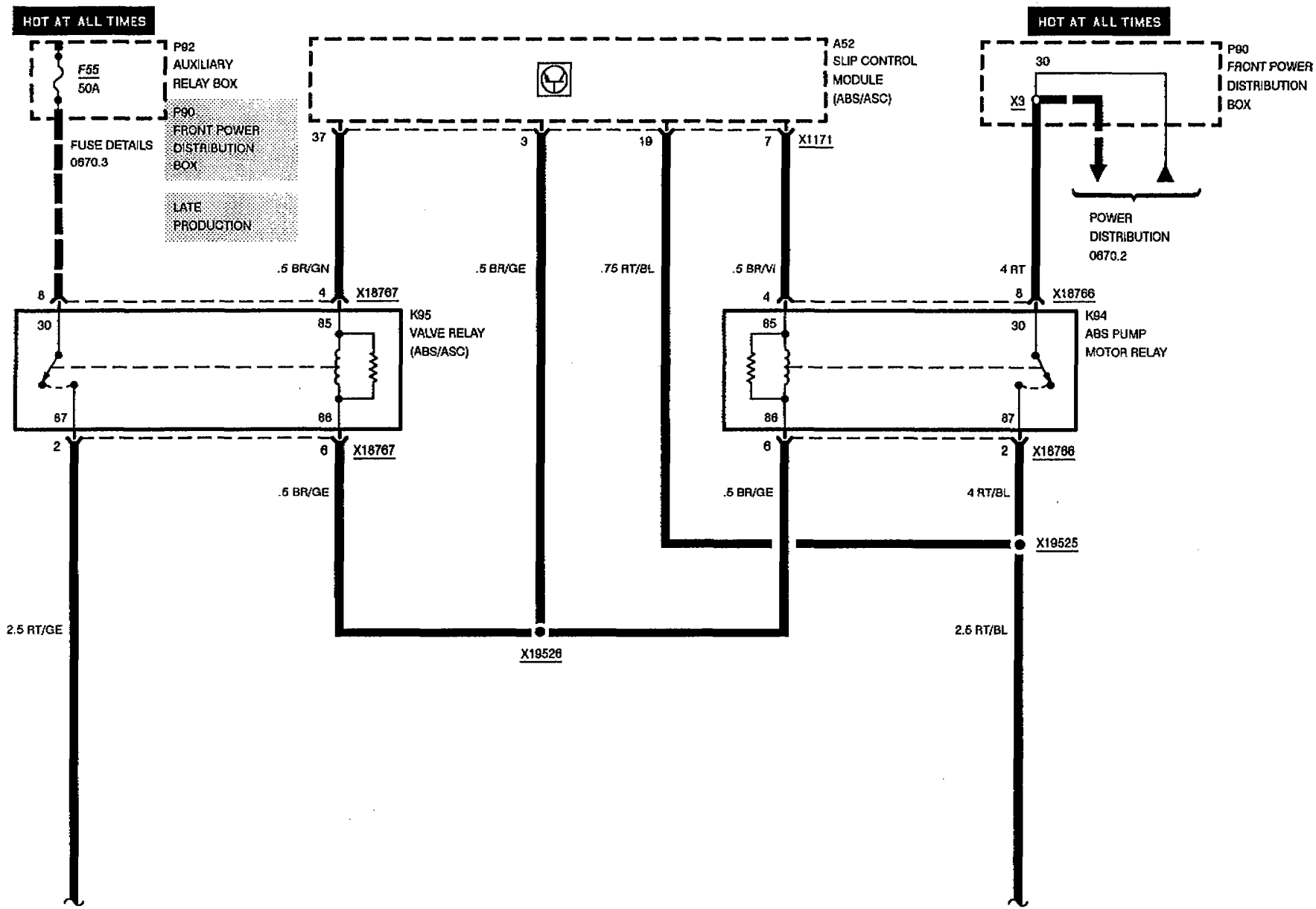


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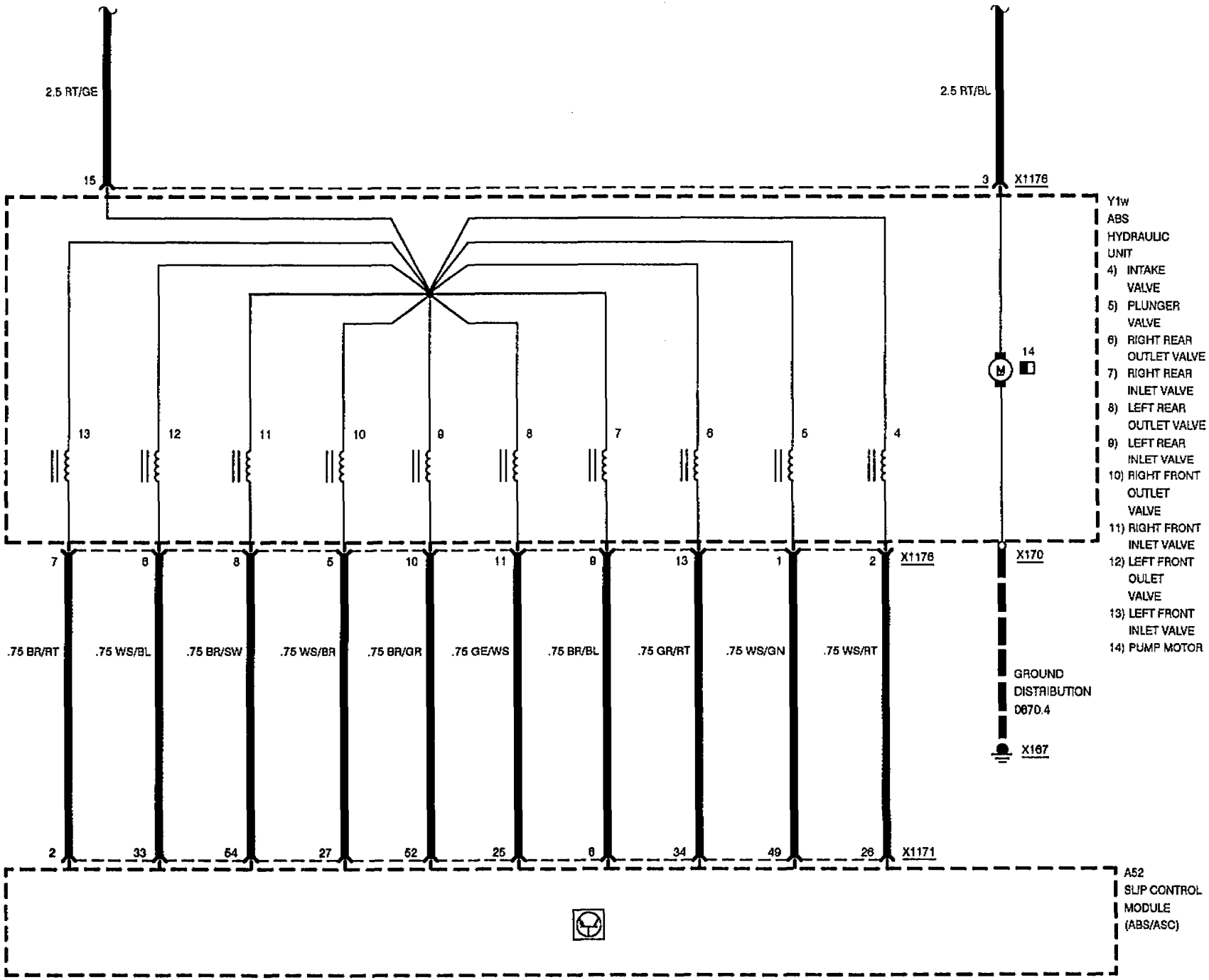


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SLIP CONTROL 5 (ASC 5)

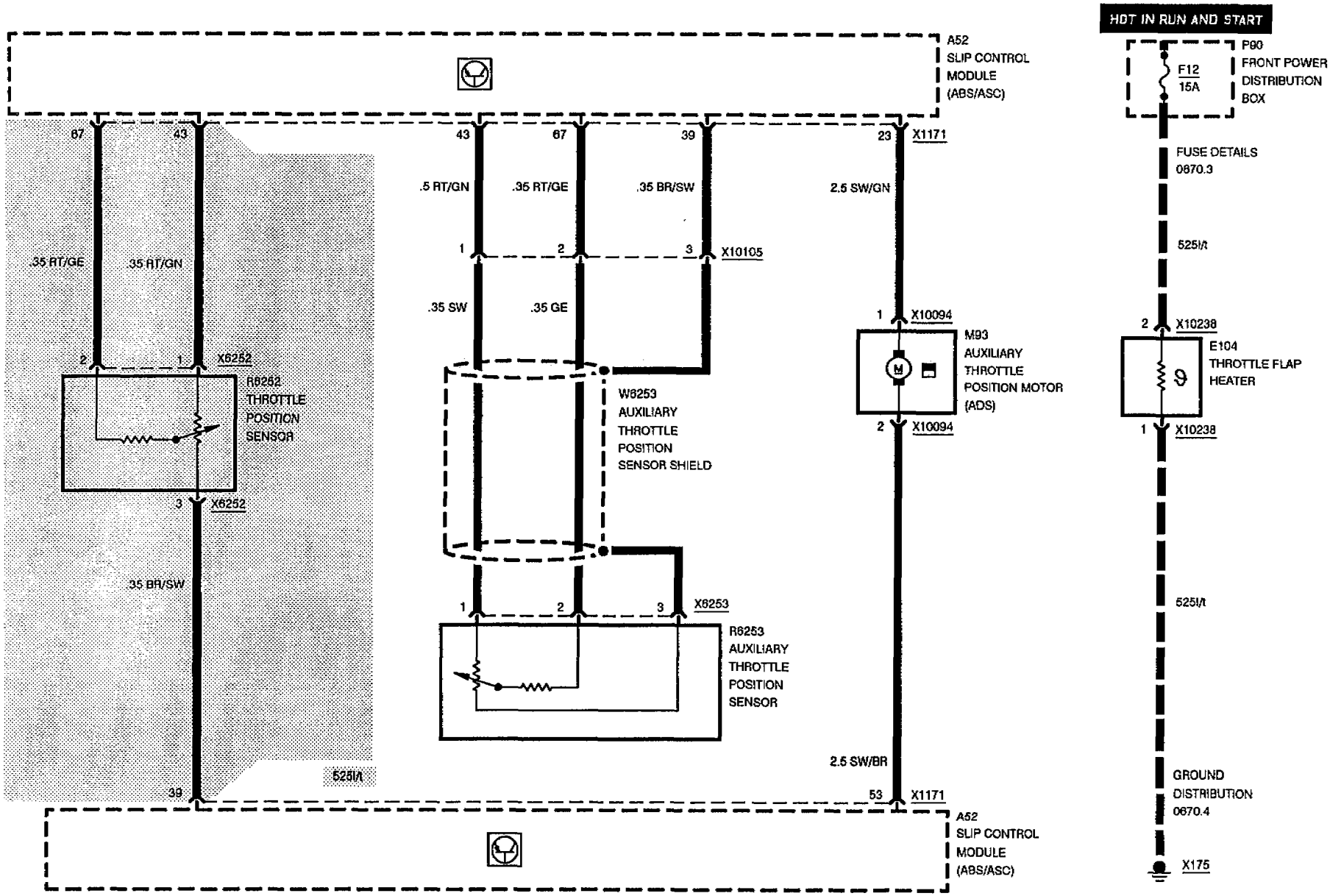


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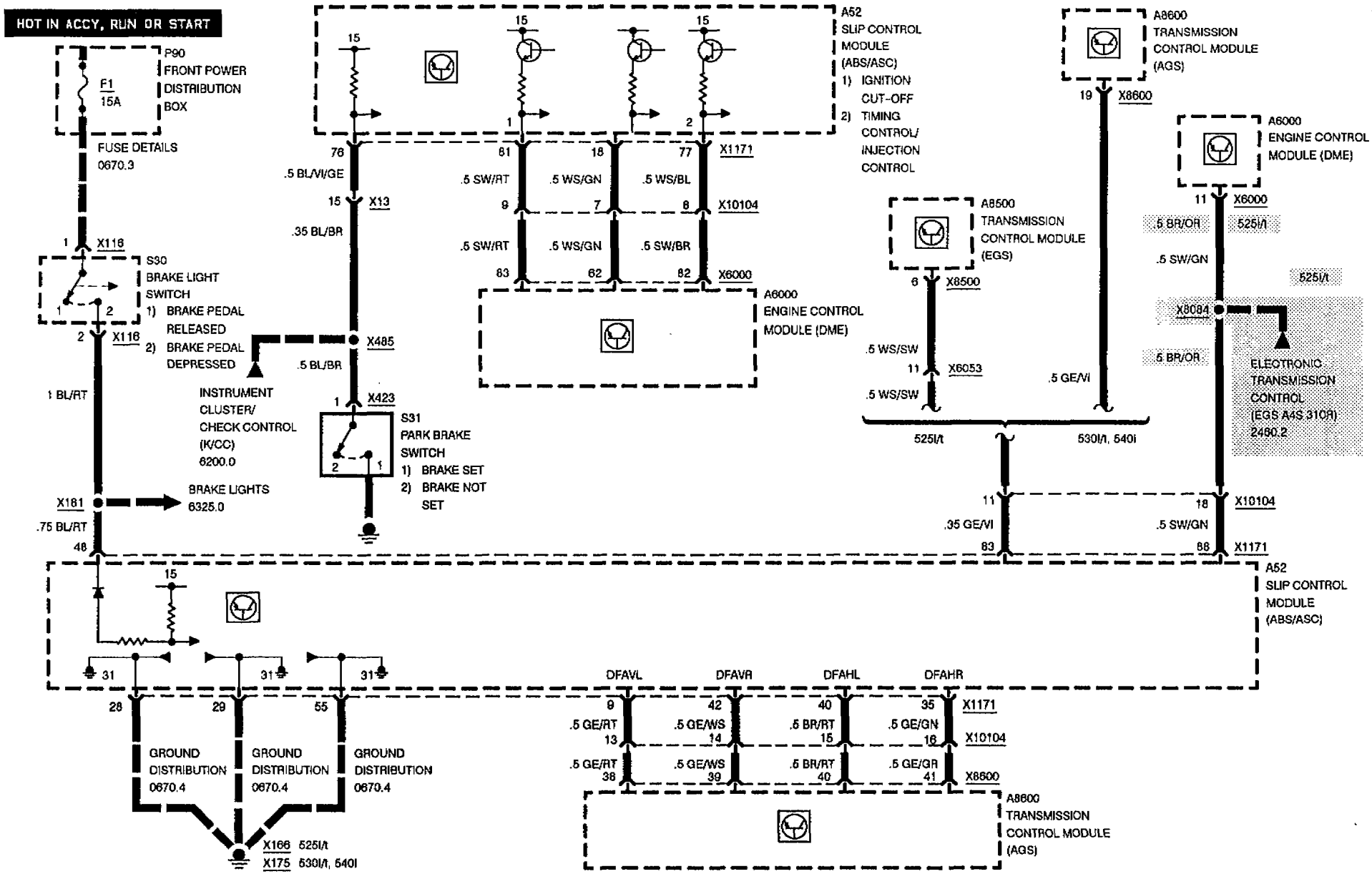
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SLIP CONTROL 5 (ASC 5)



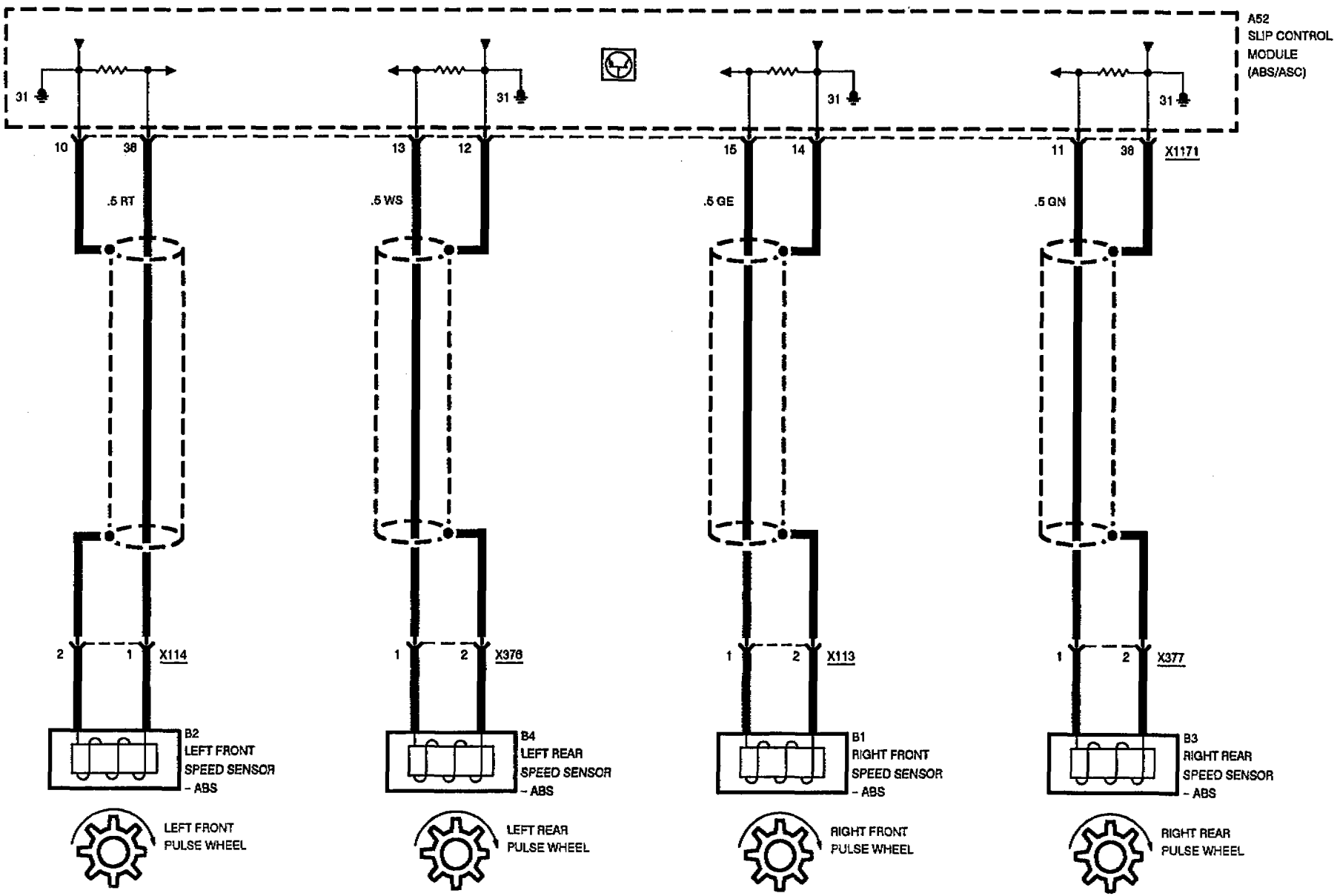
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SLIP CONTROL 5 (ASC 5)



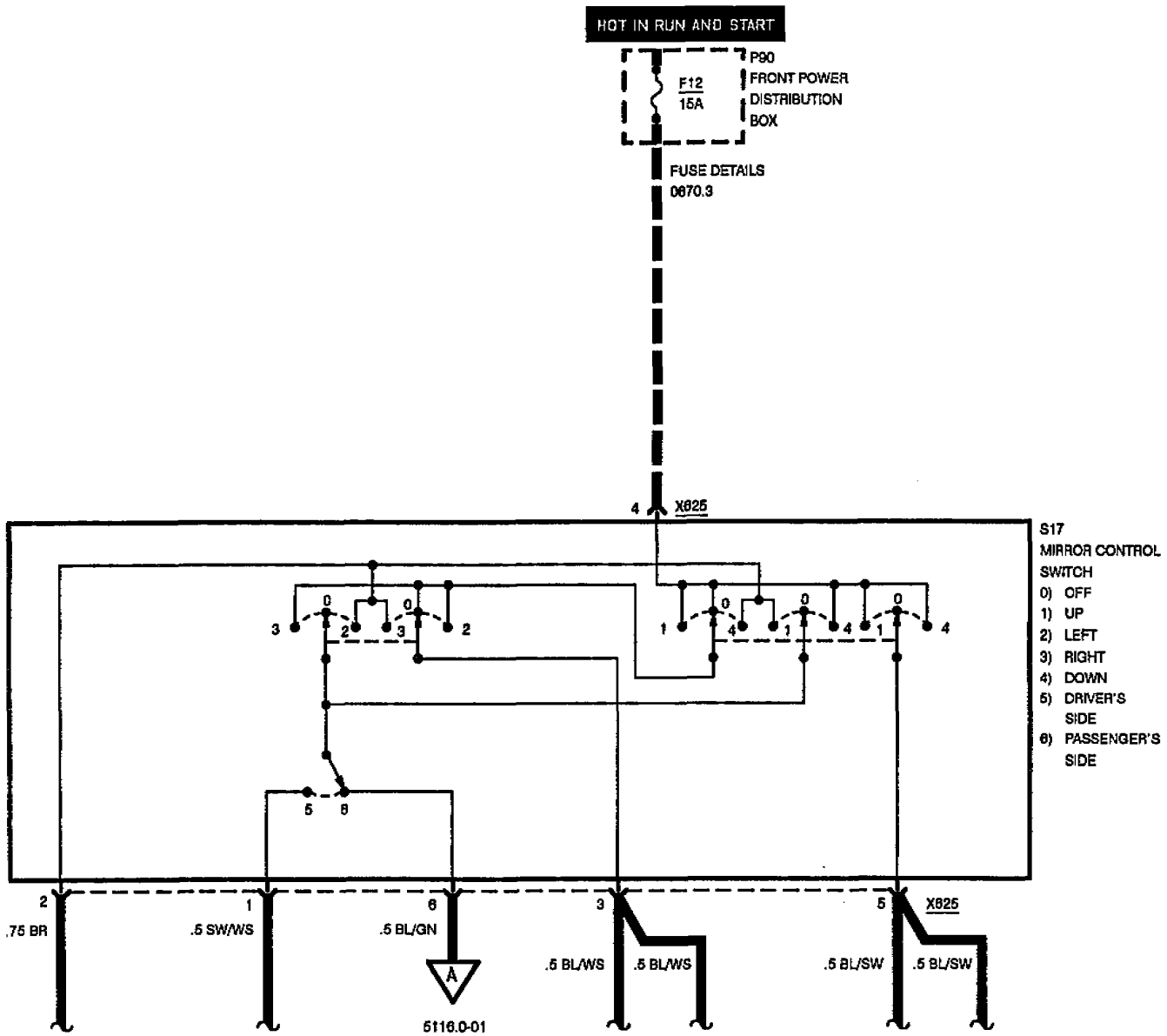
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SLIP CONTROL 5 (ASC 5)

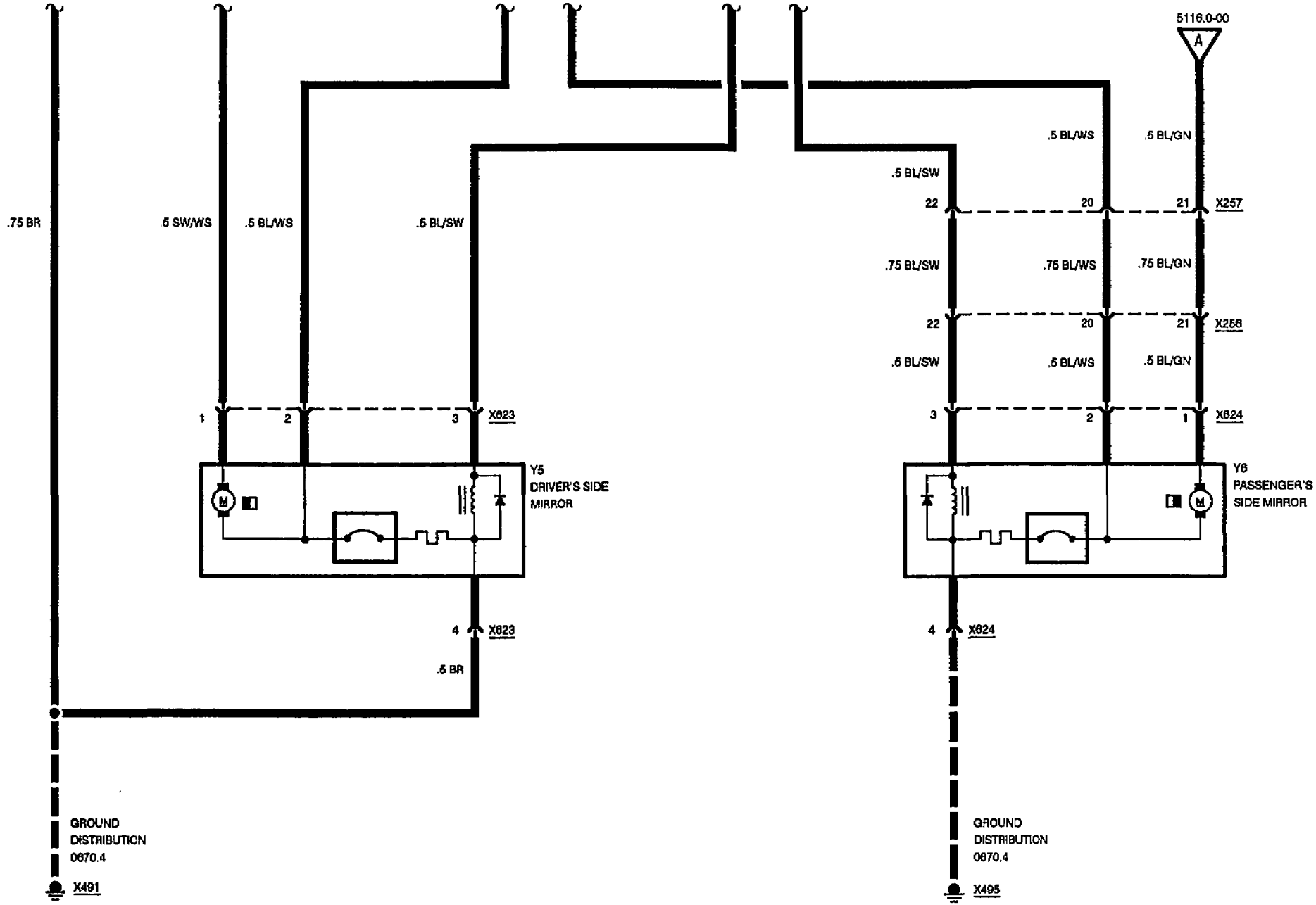


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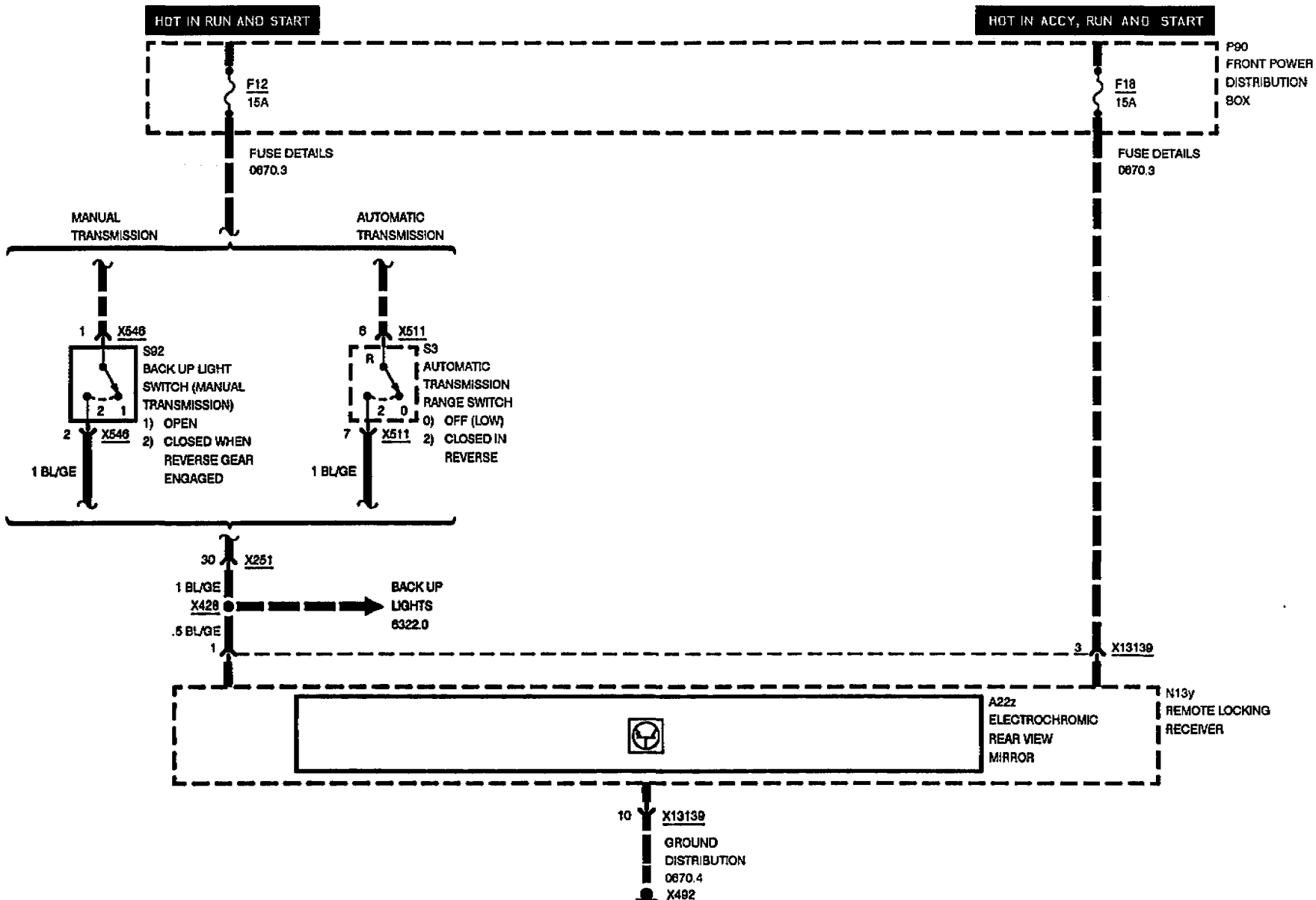
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POWER MIRRORS

INSIDE MIRRORS

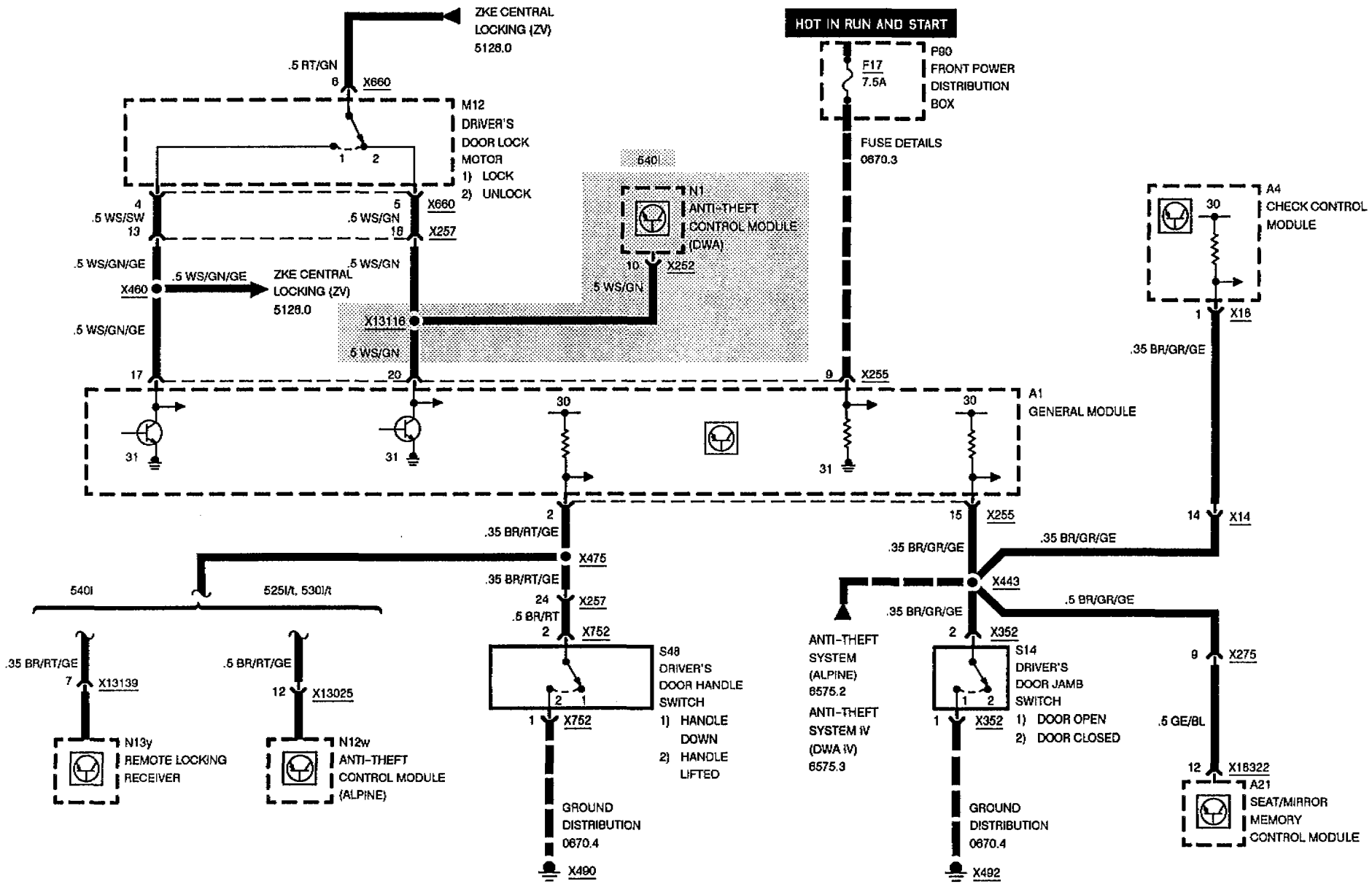


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ZKE DOOR LOCK HEATING (TSH)

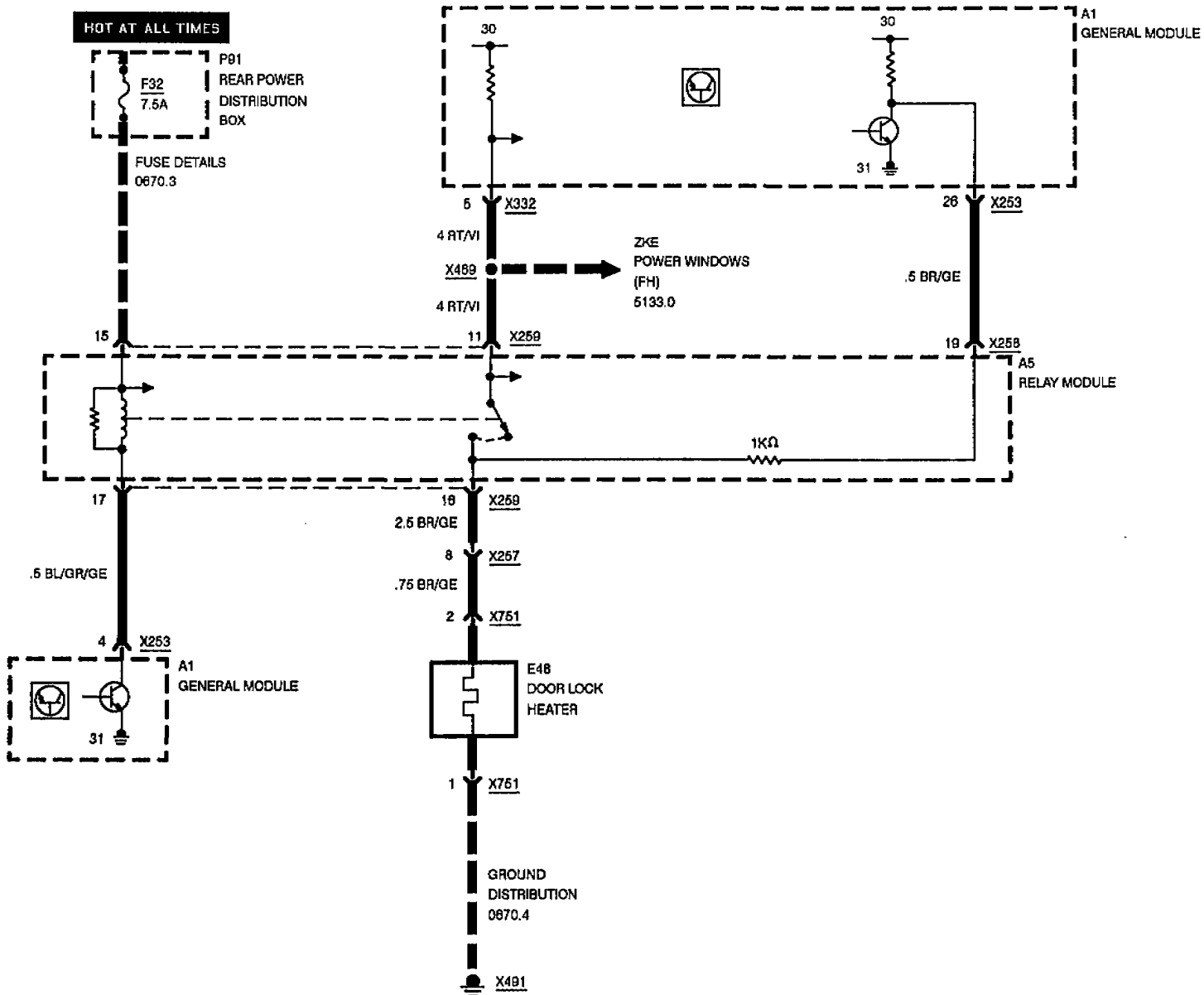
INPUT DETAILS



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ZKE DOOR LOCK HEATING (TSH)

OUTPUT DETAILS

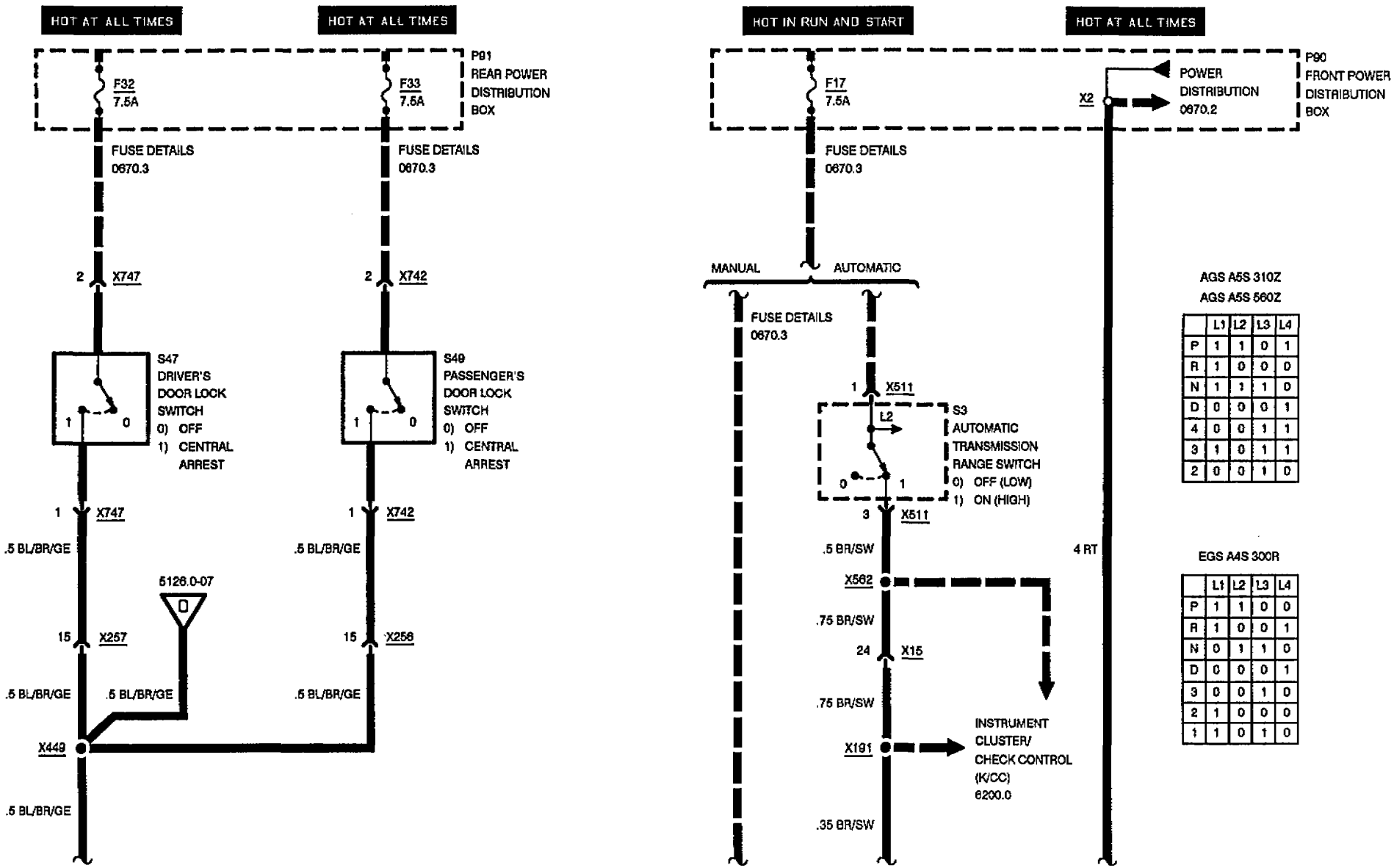


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ZKE CENTRAL LOCKING (ZV)

INPUTS, DRIVE AWAY PROTECTION

LATE PRODUCTION



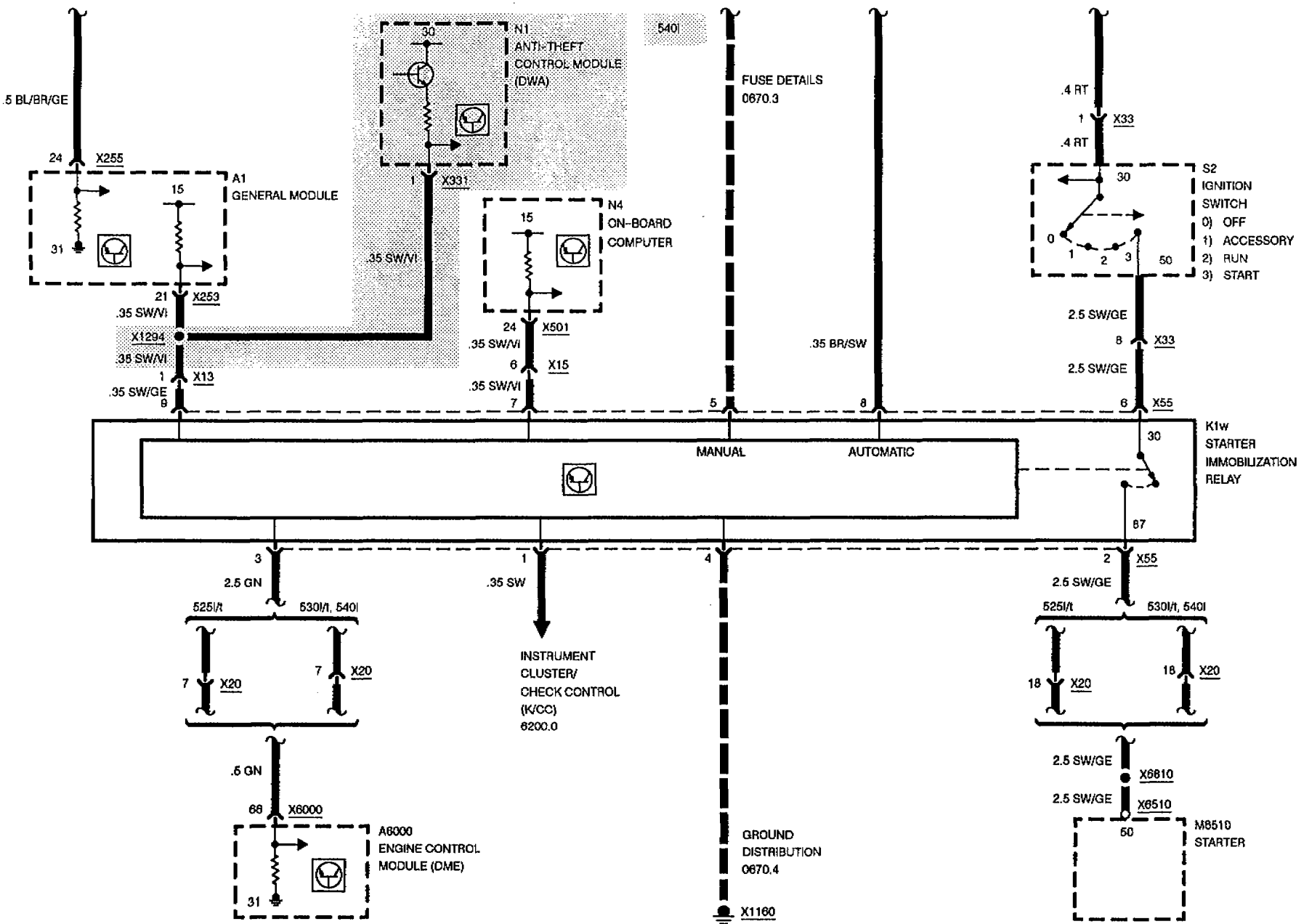
AGS A5S 310Z
AGS A5S 560Z

	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	0
N	1	1	1	0
D	0	0	0	1
4	0	0	1	1
3	1	0	1	1
2	0	0	1	0

EGS A4S 300R

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

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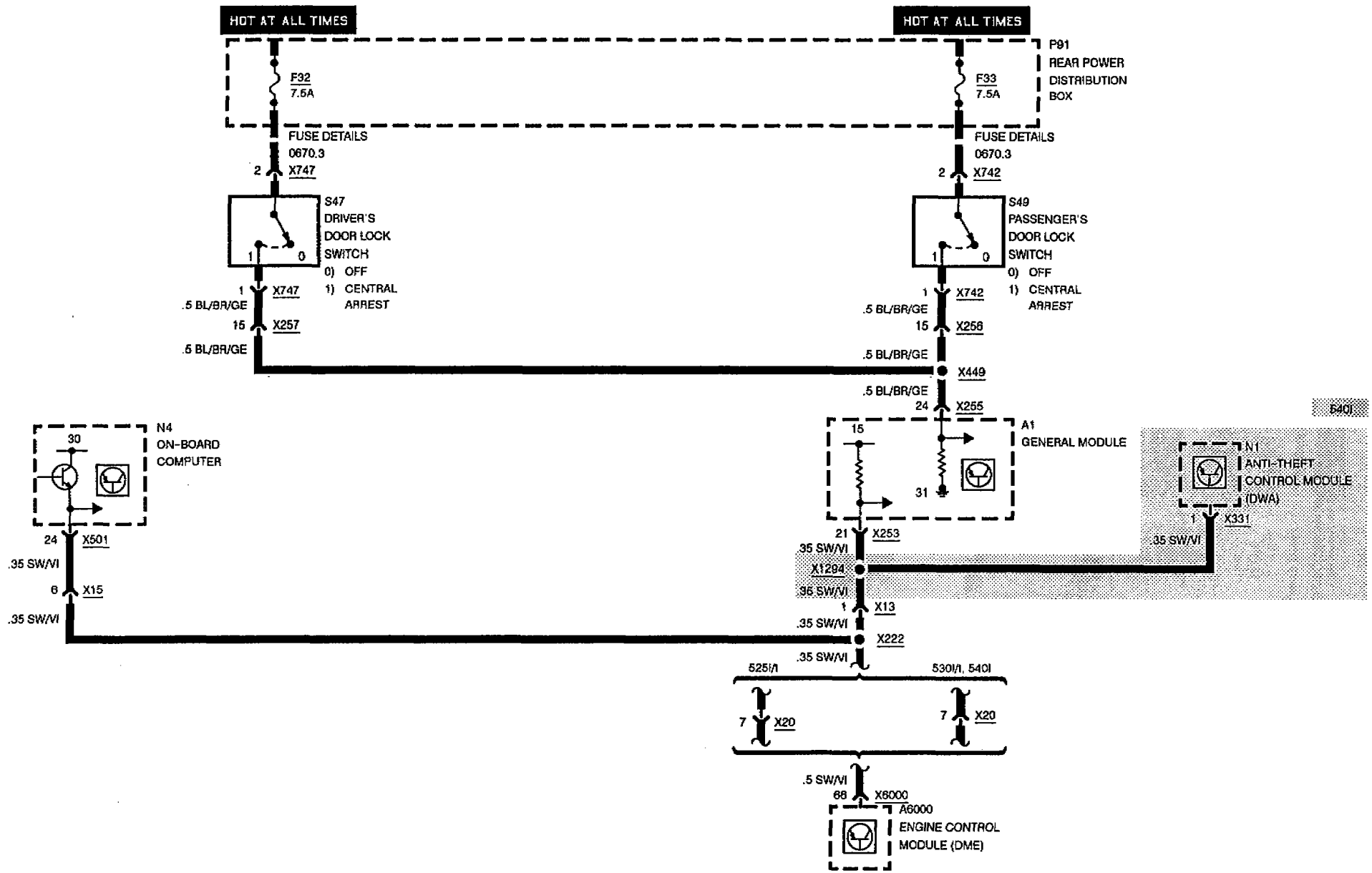


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ZKE CENTRAL LOCKING (ZV)

INPUTS, DRIVE AWAY PROTECTION

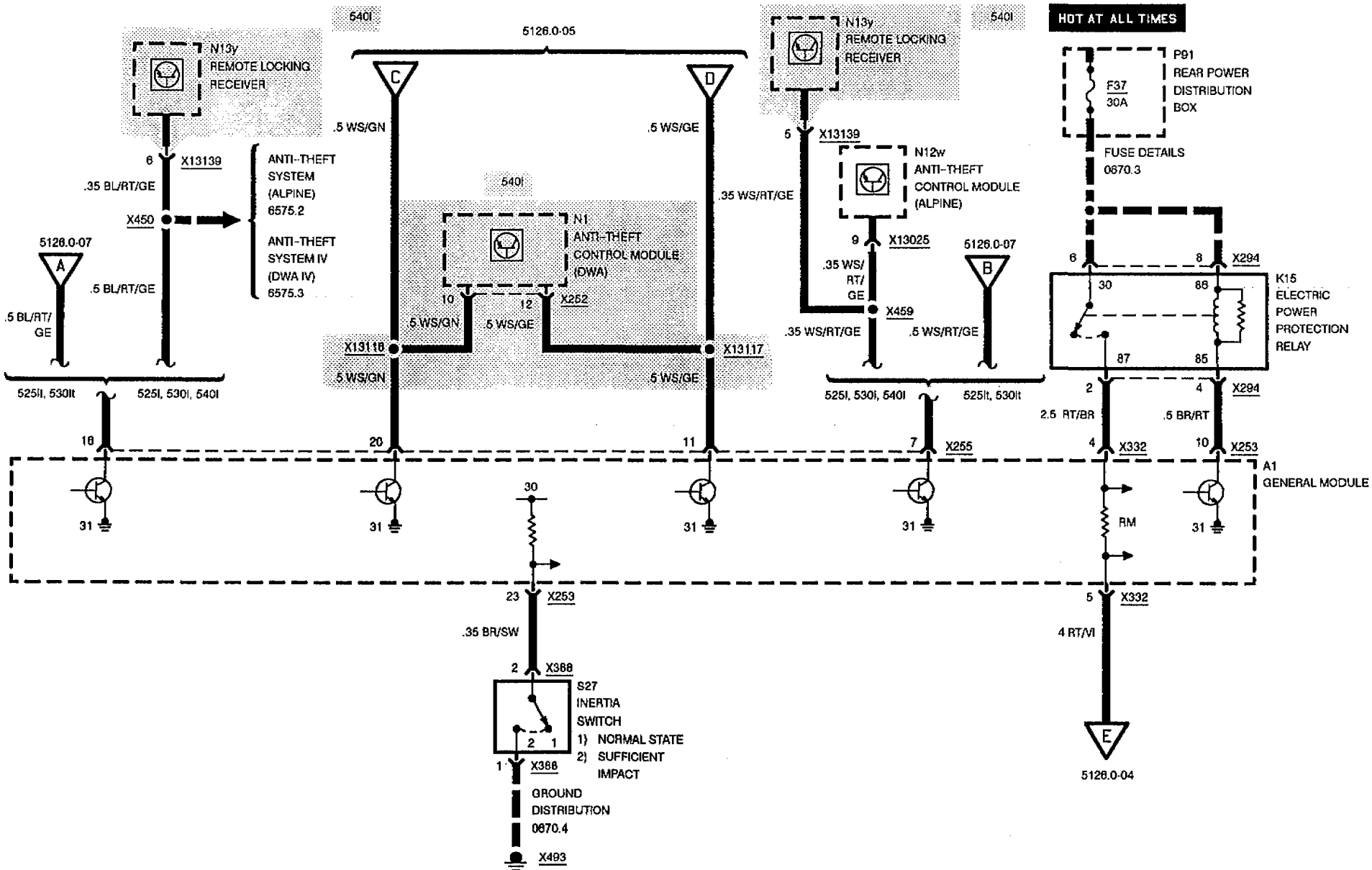
EARLY PRODUCTION



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ZKE CENTRAL LOCKING (ZV)

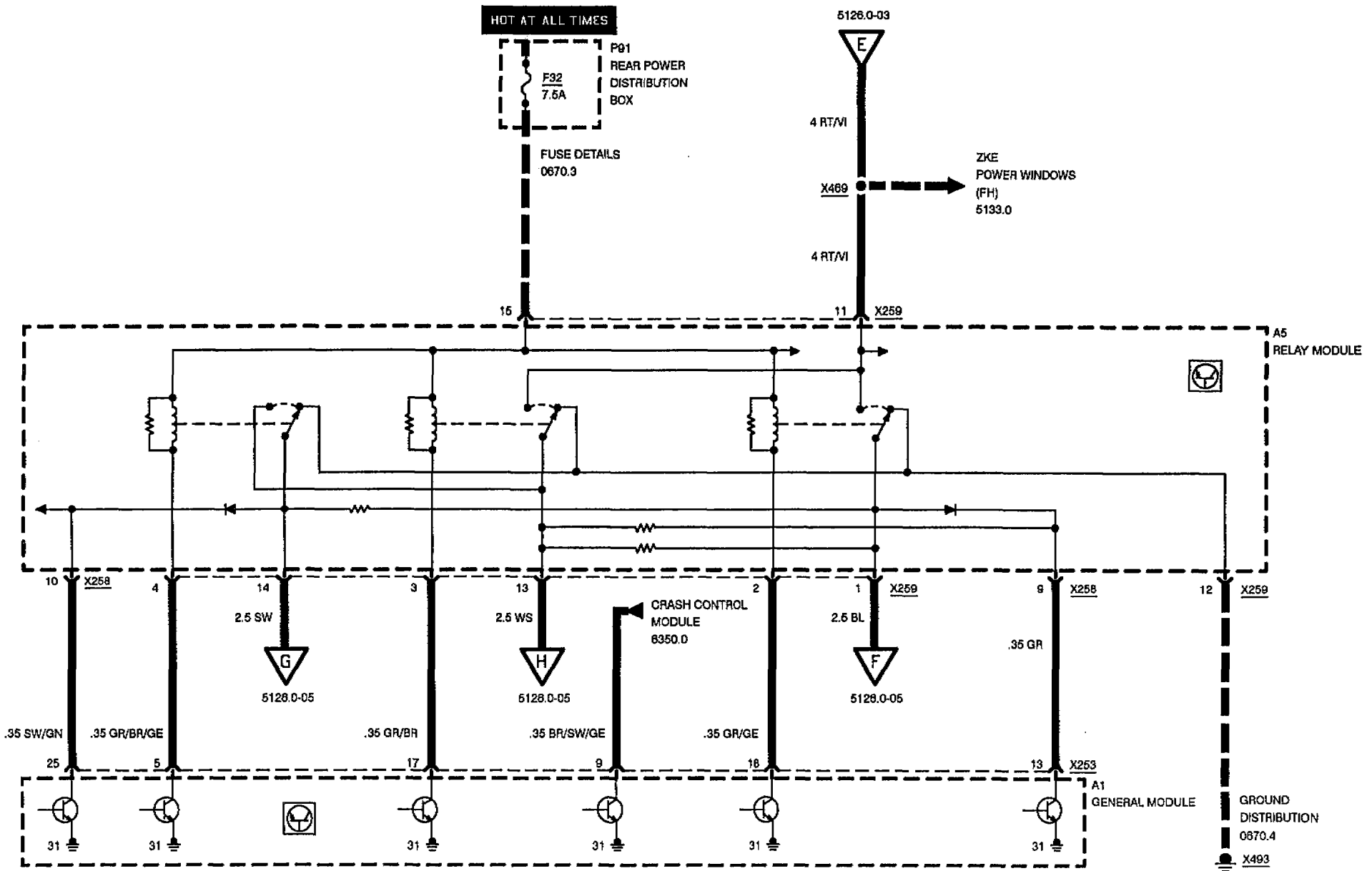
INPUT DETAILS



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ZKE CENTRAL LOCKING (ZV)

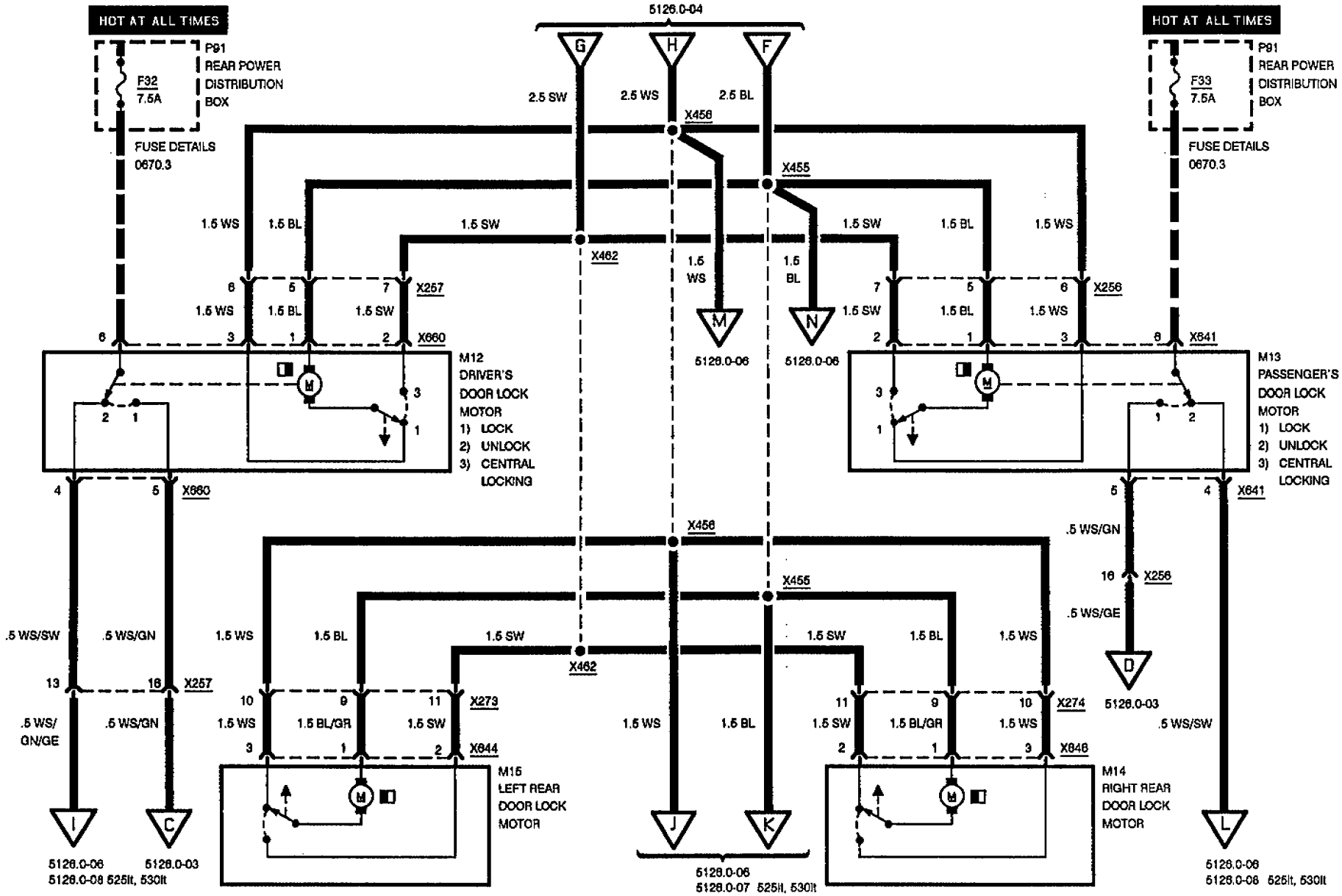
OUTPUT DETAILS



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ZKE CENTRAL LOCKING (ZV)

OUTPUT DETAILS

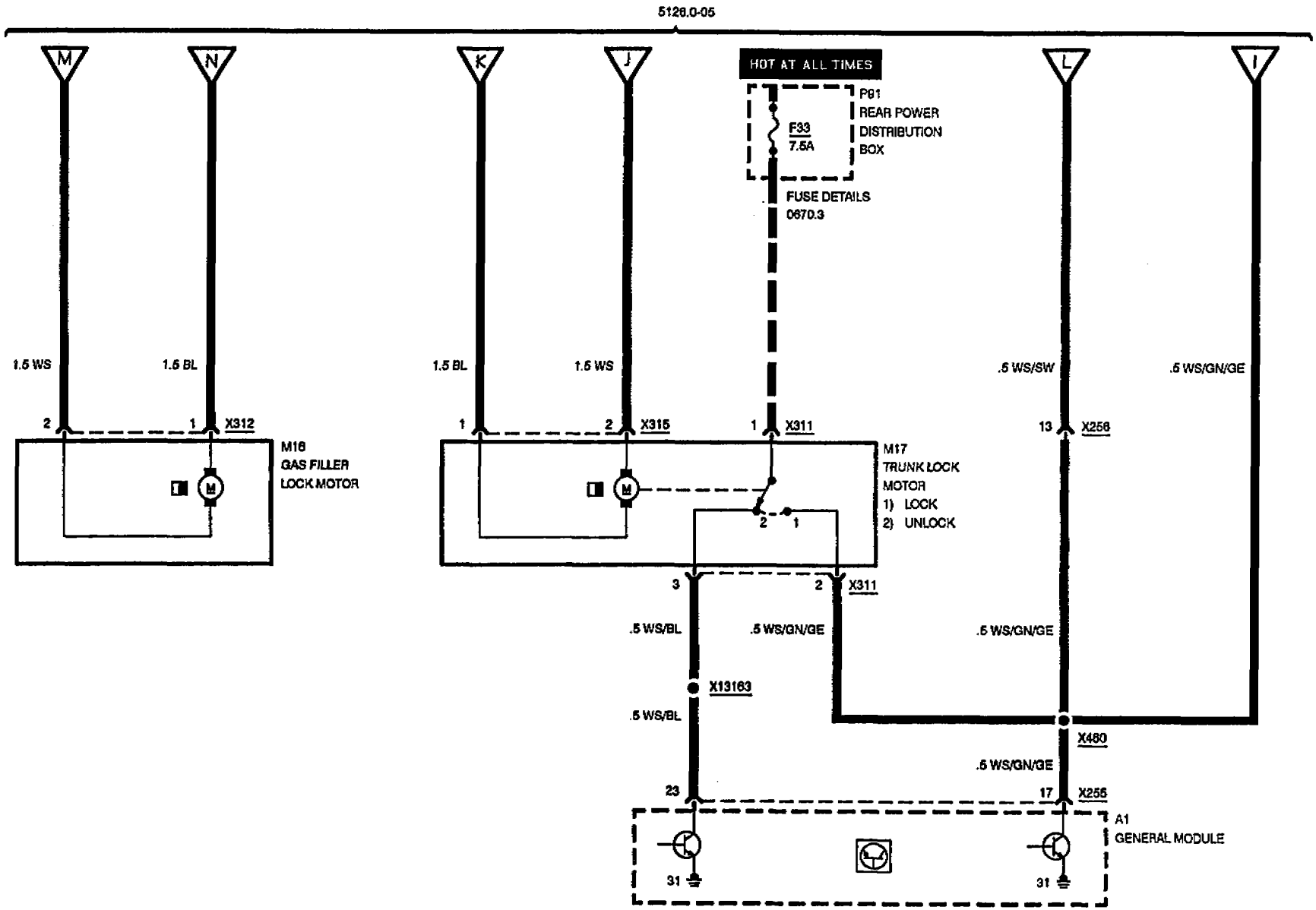


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ZKE CENTRAL LOCKING (ZV)

OUTPUT DETAILS

525i, 530i, 540i

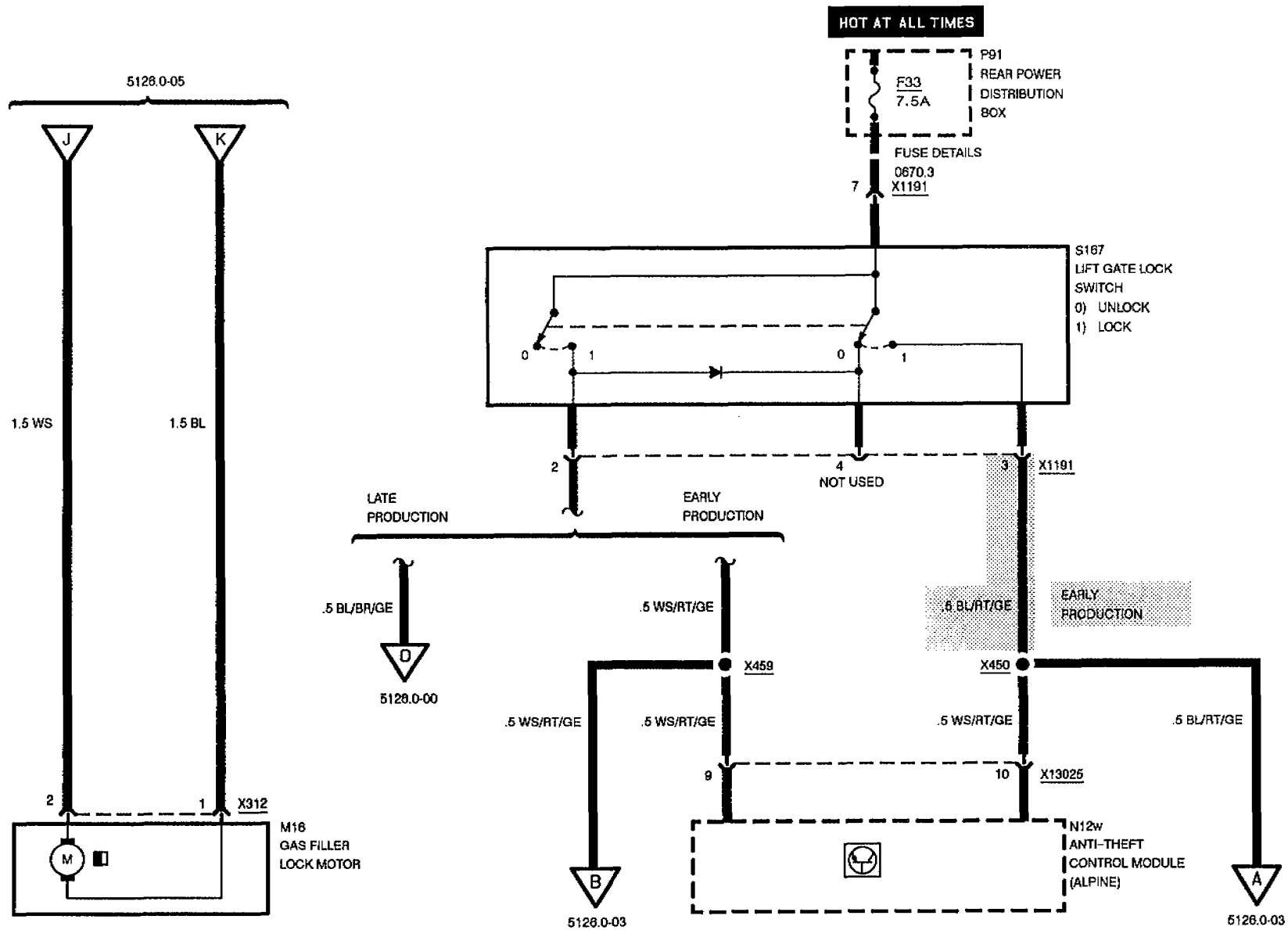


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ZKE CENTRAL LOCKING (ZV)

525it, 530it

OUTPUT DETAILS

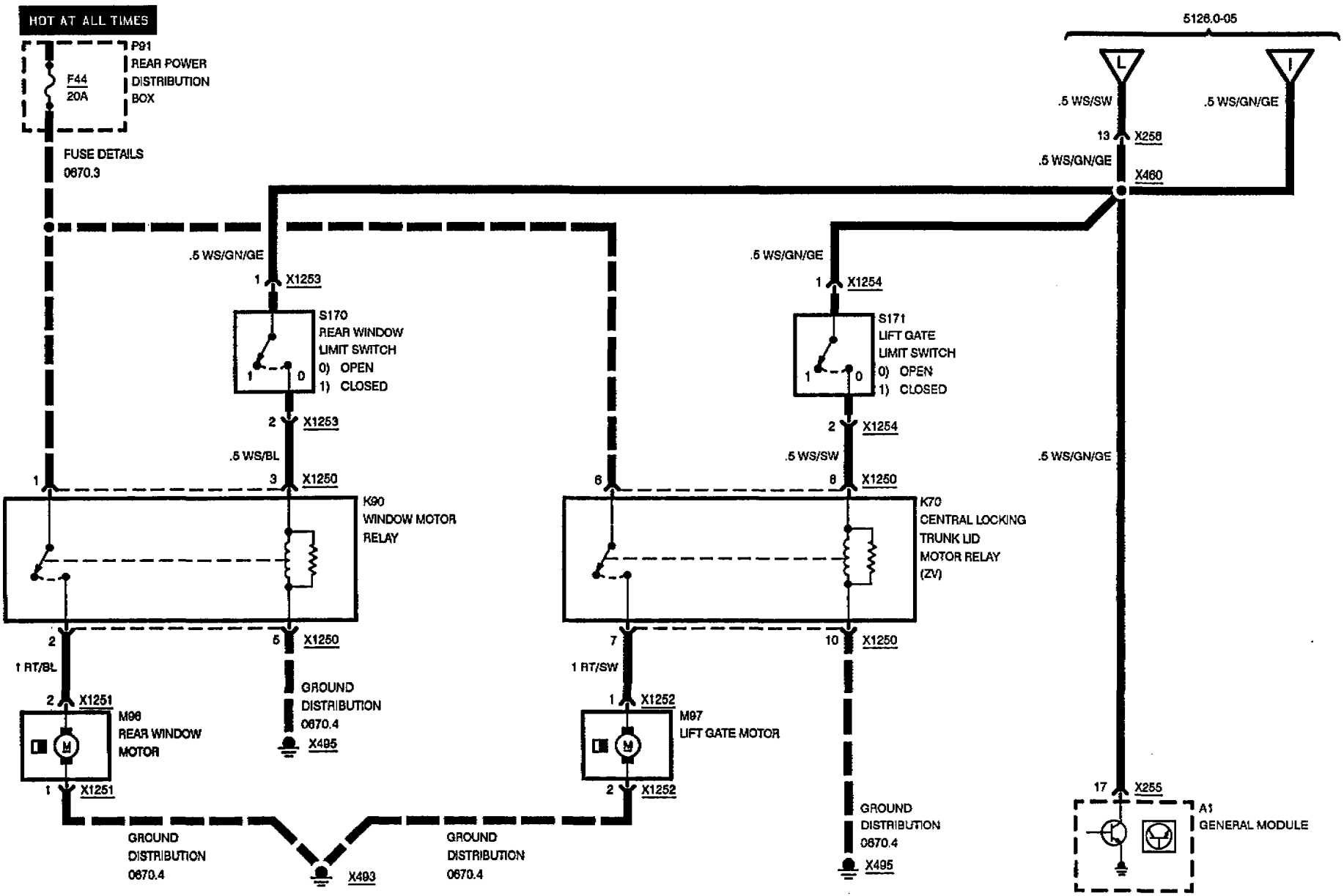


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ZKE CENTRAL LOCKING (ZV)

525it, 530it

OUTPUT DETAILS

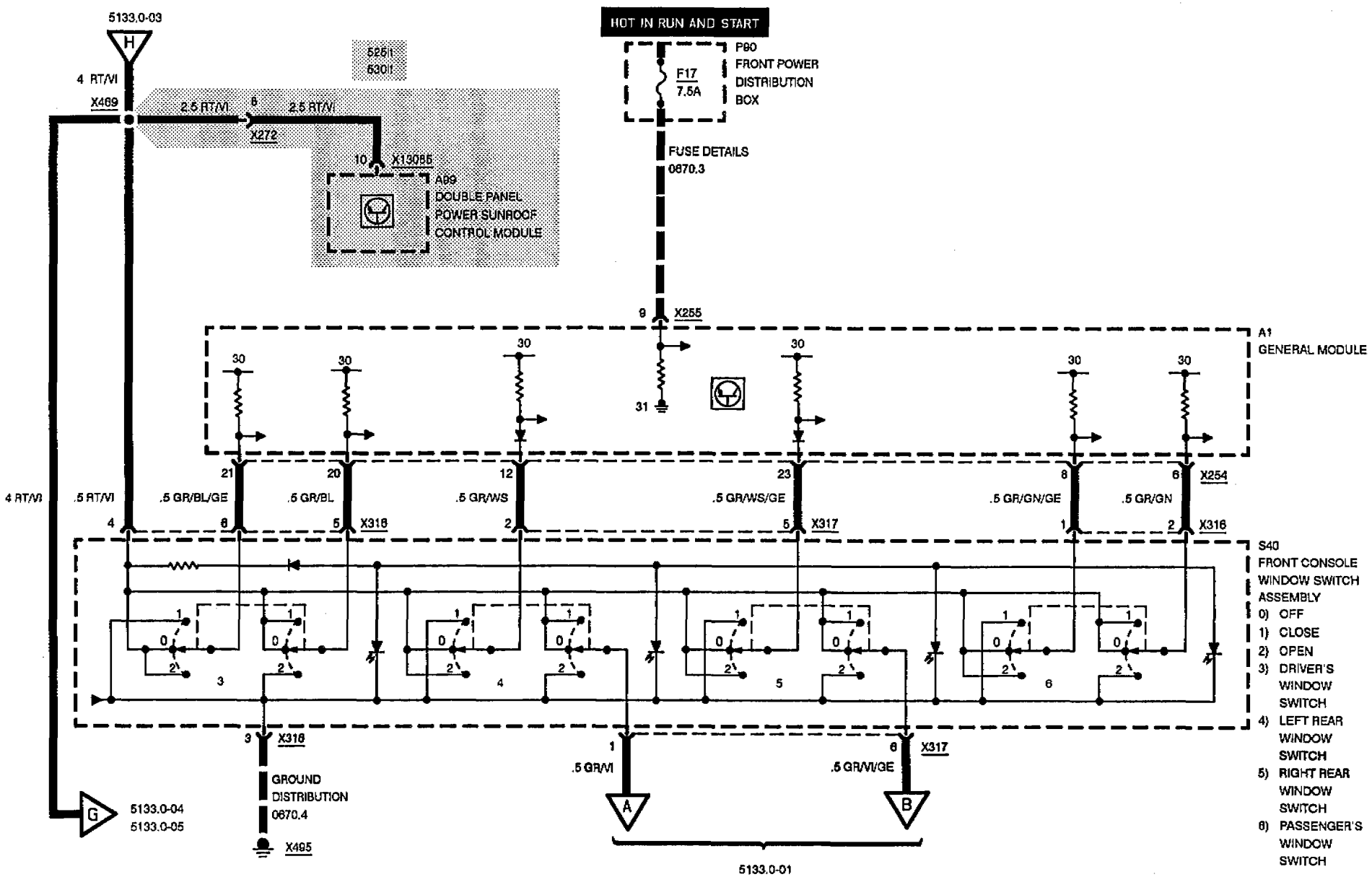


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ZKE POWER WINDOWS (FH)

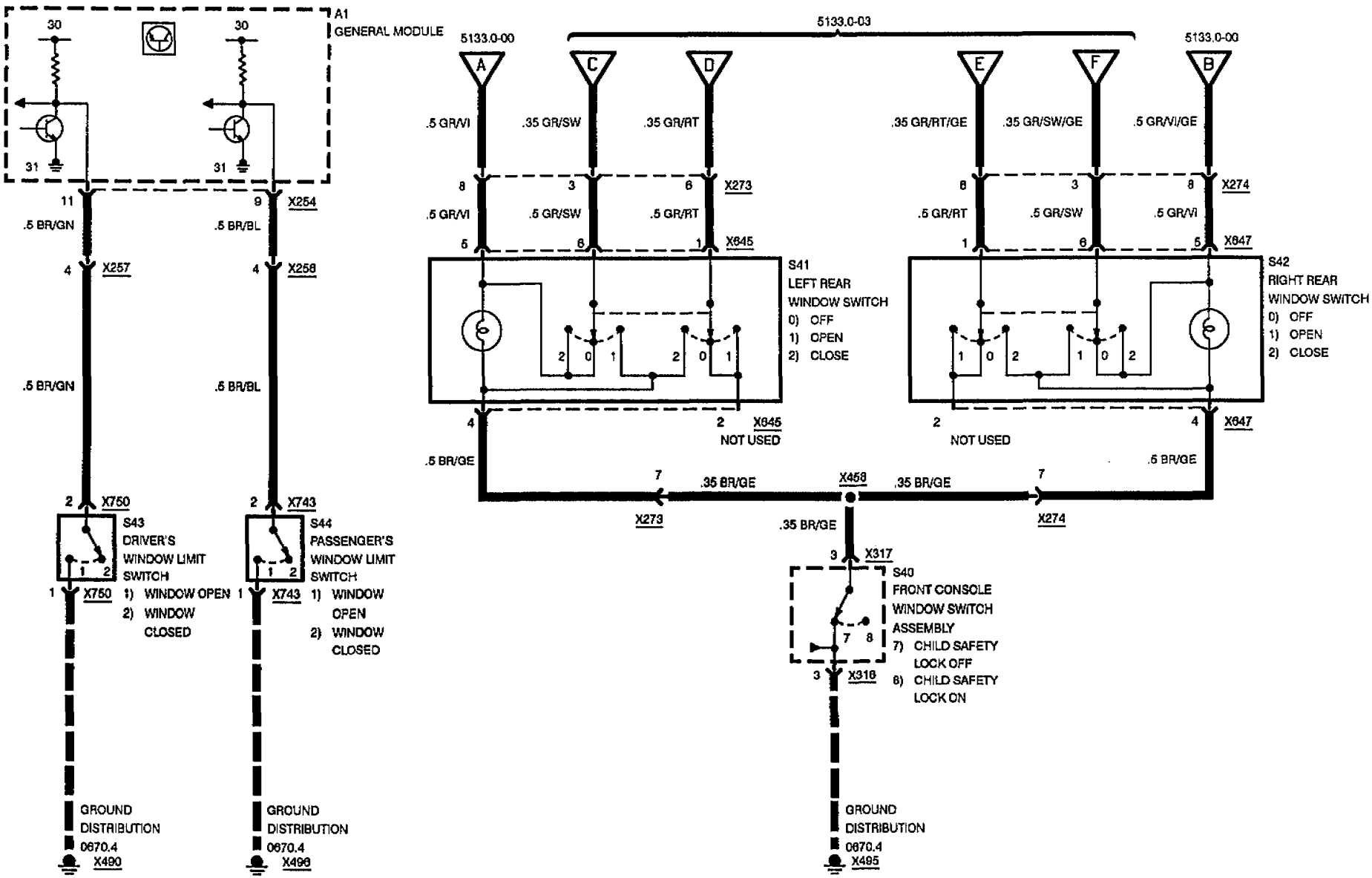
INPUT DETAILS



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ZKE POWER WINDOWS (FH)

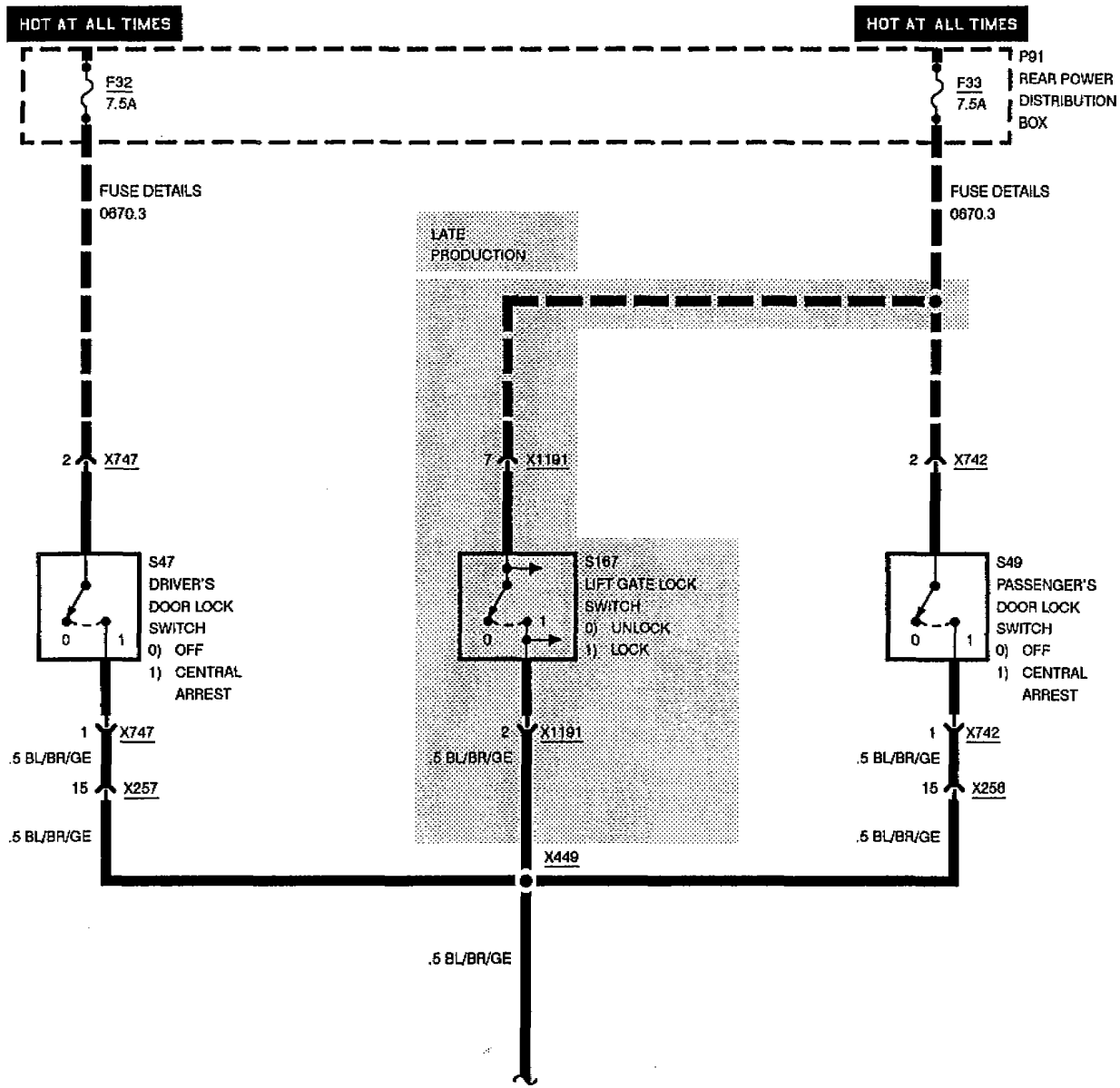
INPUT DETAILS



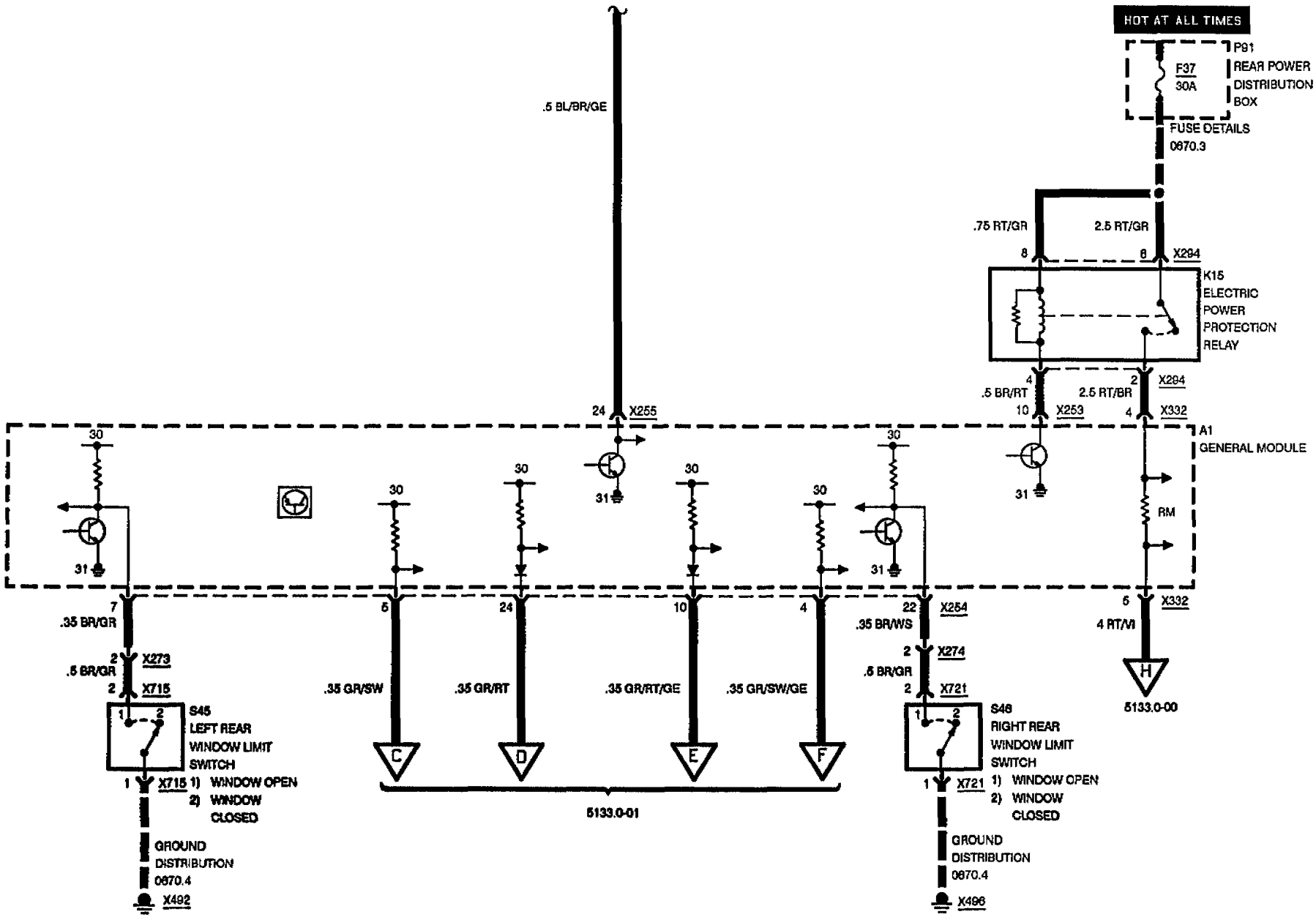
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ZKE POWER WINDOWS (FH)

INPUT DETAILS



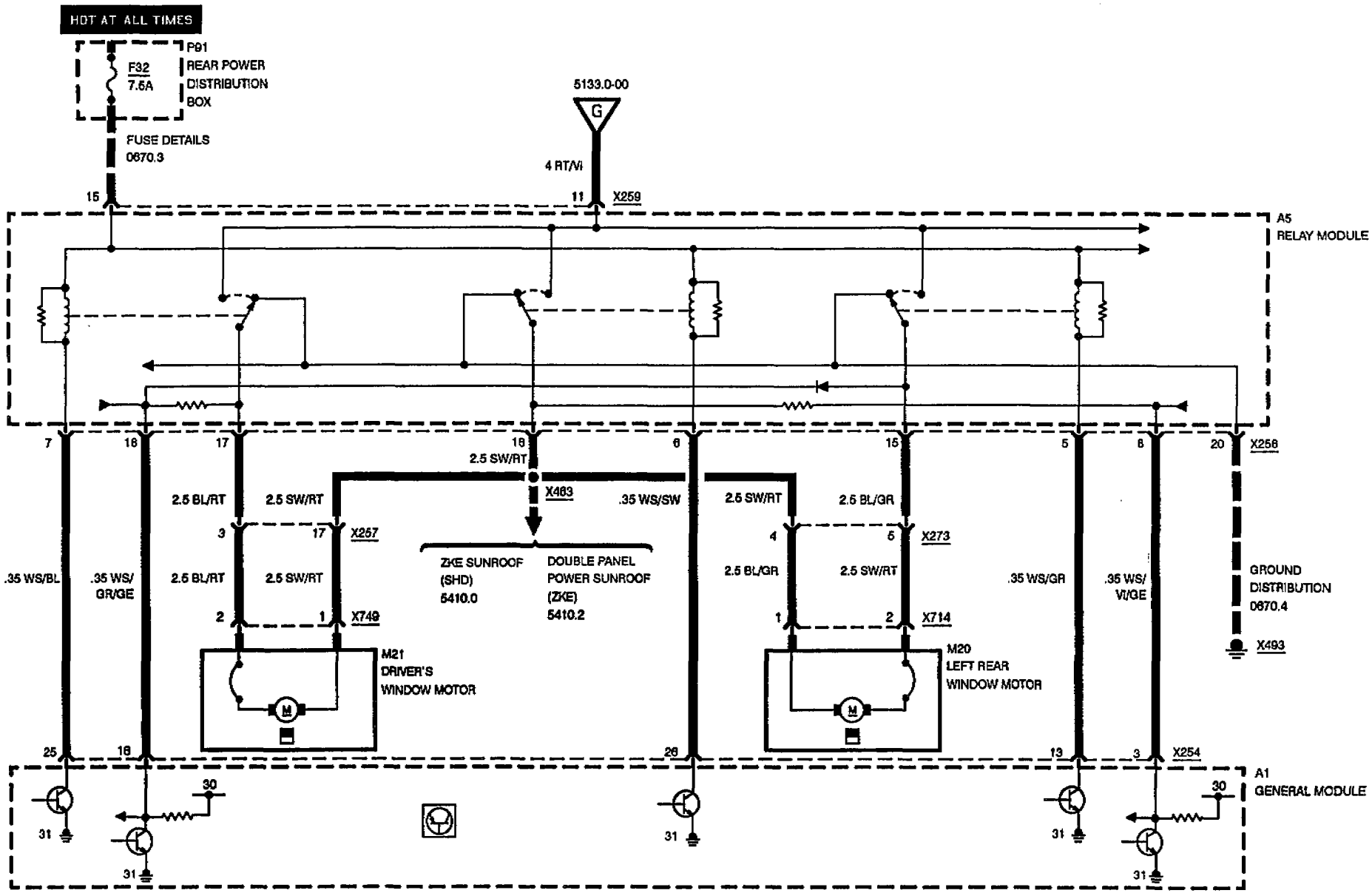
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ZKE POWER WINDOWS (FH)

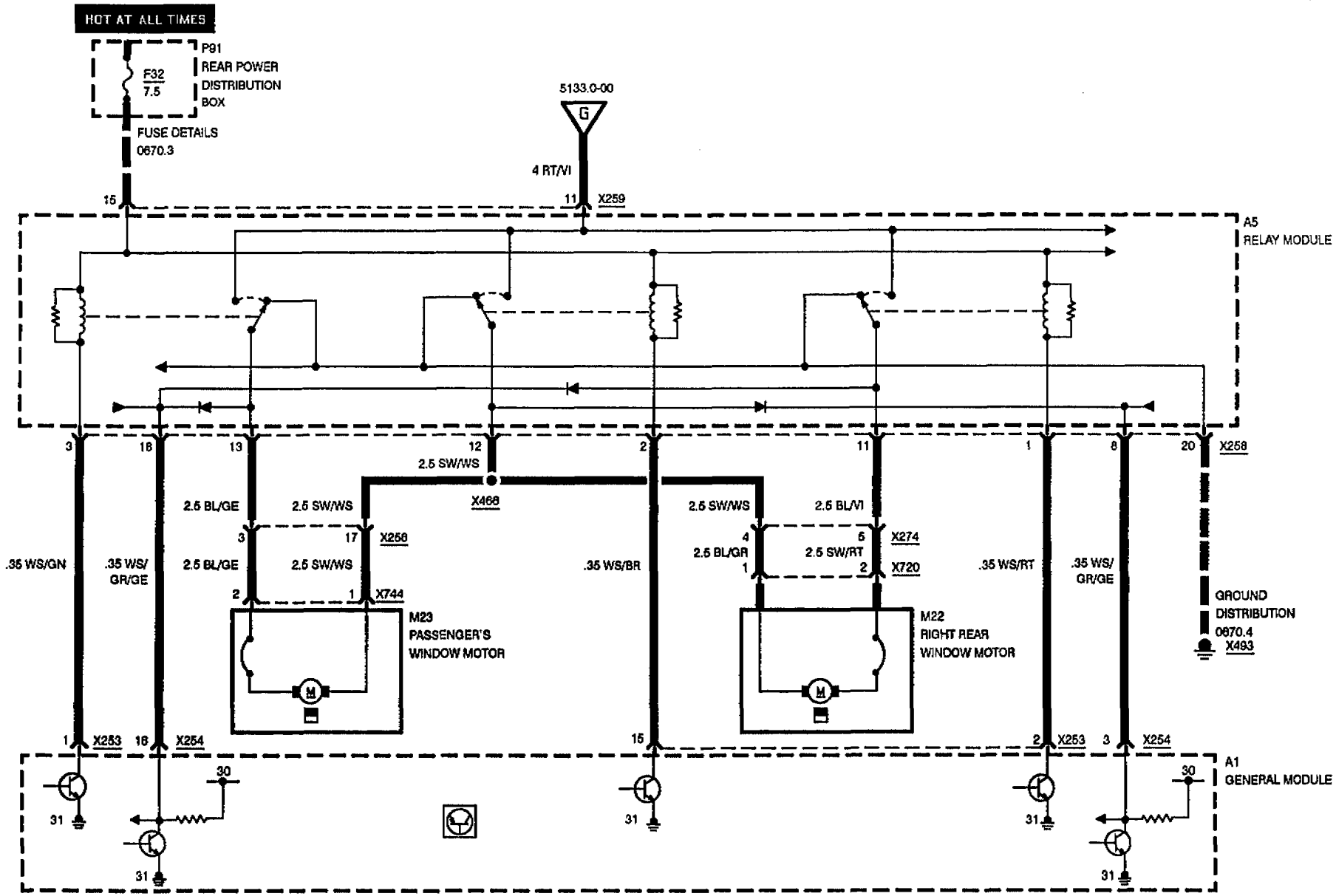
LEFT SIDE OUTPUT DETAILS



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ZKE POWER WINDOWS (FH)

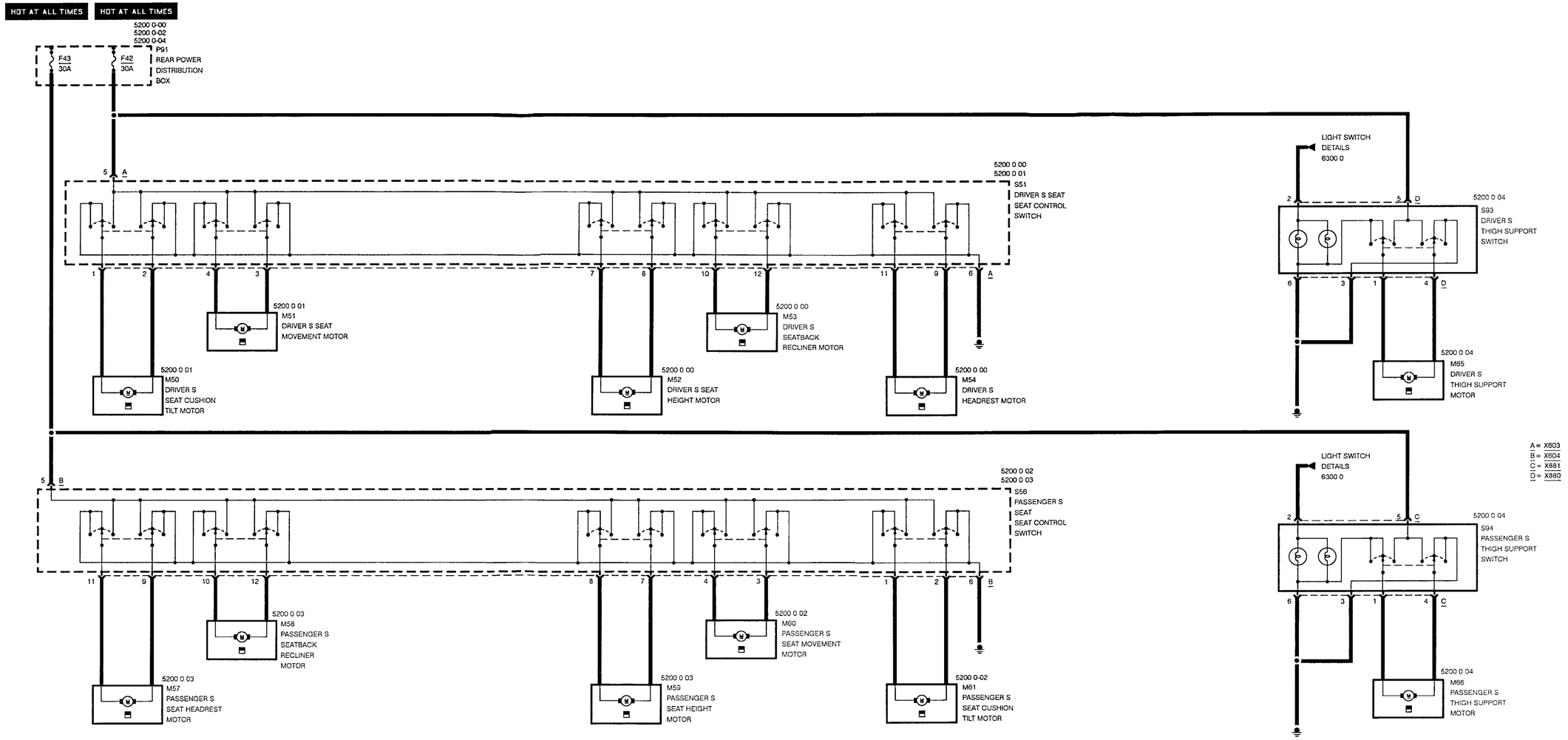
RIGHT SIDE OUTPUT DETAILS



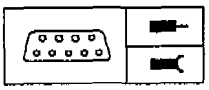
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Pin Assignments

A=X603	12 Pins black
B=X604	12 Pins black
C=X881	6 Pins white
D=X880	6 Pins black

X603 (Driver) and X604 (Passenger)

Pin	Type	Description/Function	Connection
1	E/A	Seat cushion tilt control	Seat cushion tilt motor
2	E/A	Seat cushion tilt control	Seat cushion tilt motor
3	E/A	Seat cushion movement control	Seat movement motor
4	E/A	Seat cushion movement control	Seat movement motor
5	E	Battery voltage	Rear power distribution box
6	M	Ground	Ground point
7	E/A	Seat cushion height control	Seat height motor
8	E/A	Seat cushion height control	Seat height motor
9	E/A	Headrest control	Headrest motor
10	E/A	Recliner control	Seat back recliner motor
11	E/A	Headrest control	Headrest motor
12	E/A	Recliner control	Seat back recliner motor

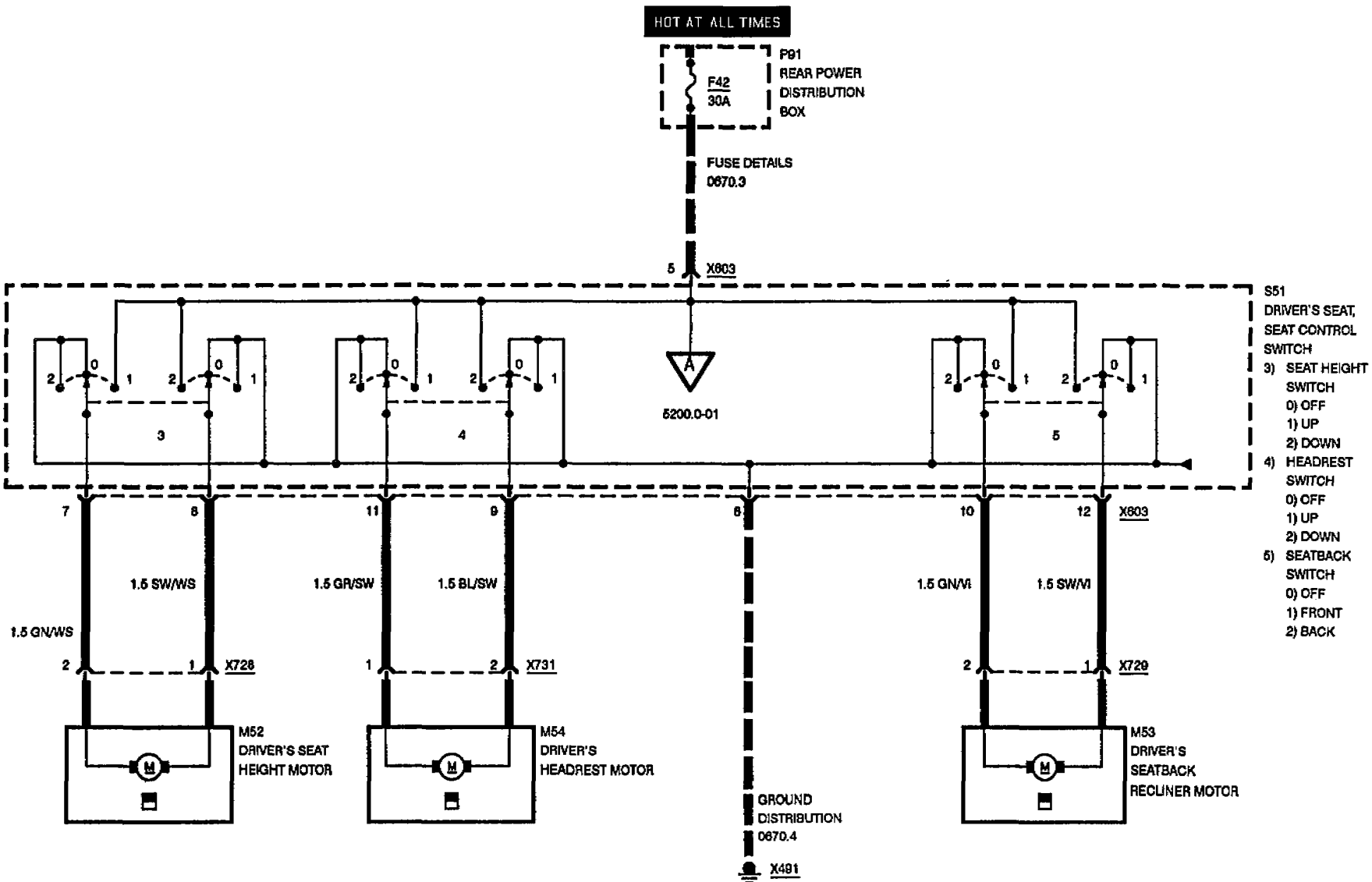
X880 (Driver) and X881 (Passenger)

Pin	Type	Description/Function	Connection
1	E/A	Thigh support control	Thigh support motor
2	E	Switch illumination	Light switch
3	M	Ground	Ground point
4	E/A	Thigh support control	Thigh support motor
5	E	Battery voltage	Rear power distribution box
6	M	Ground	Ground point

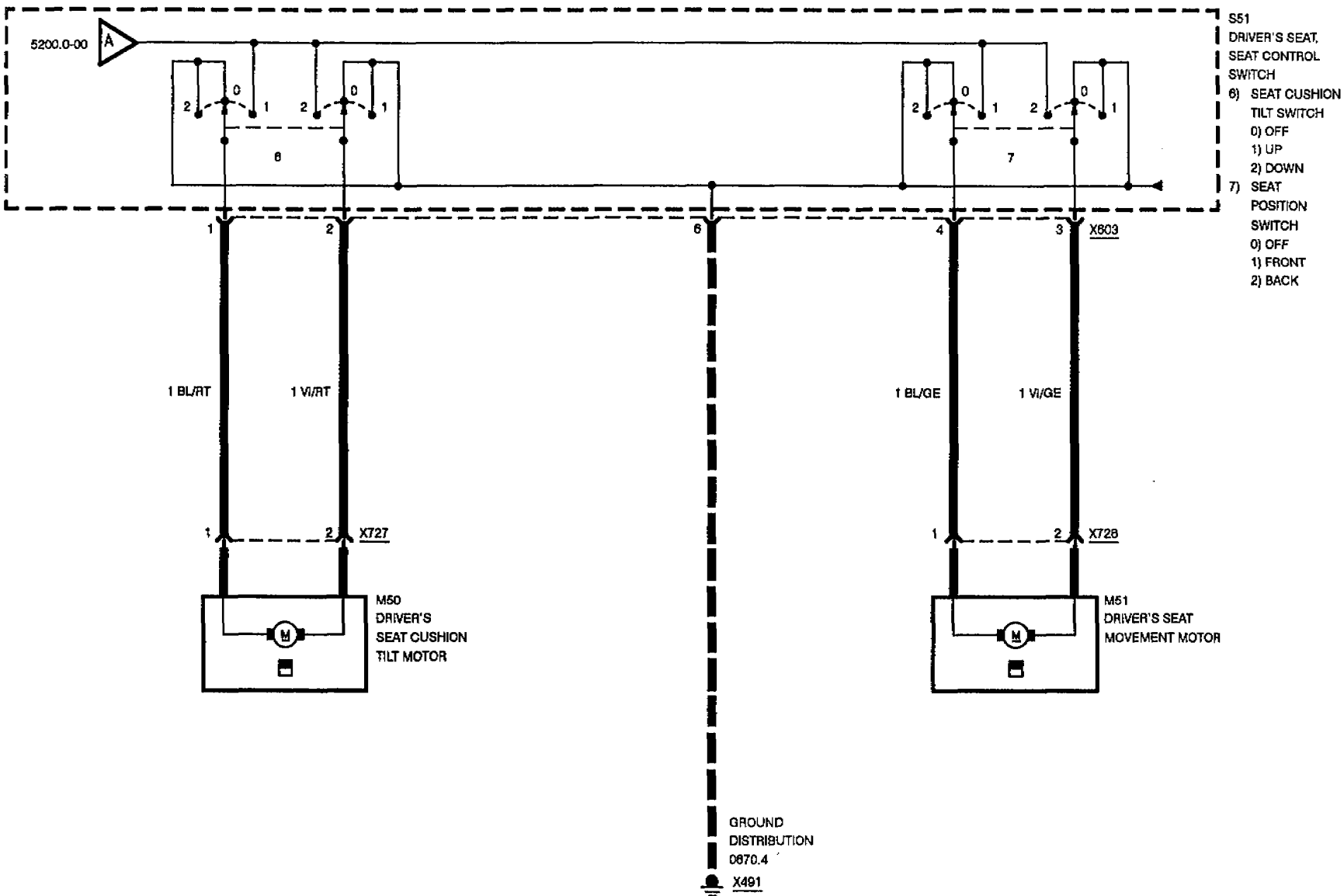
E = Input A = Output M = Ground

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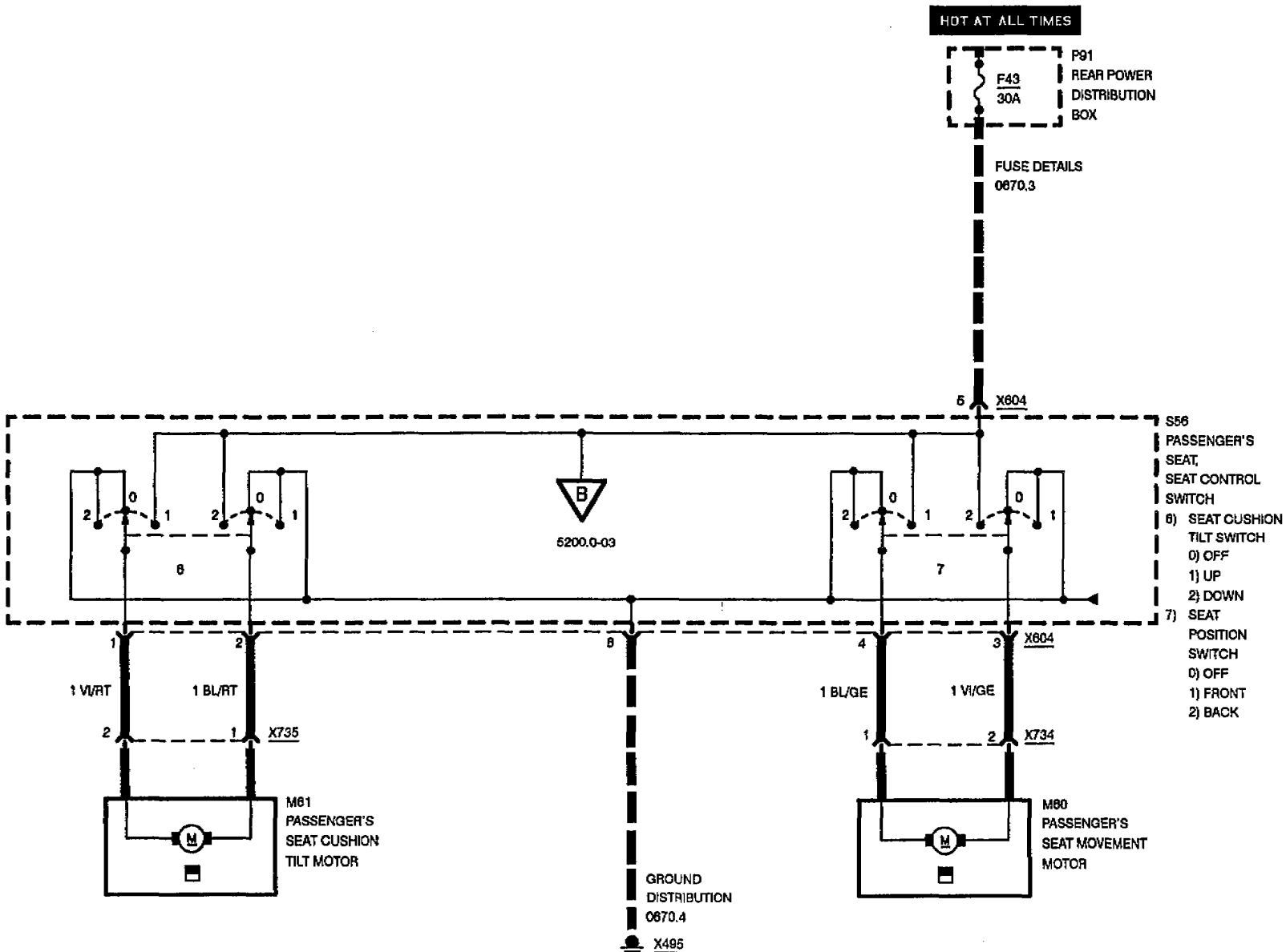
POWER SEATS
DRIVER'S SEAT



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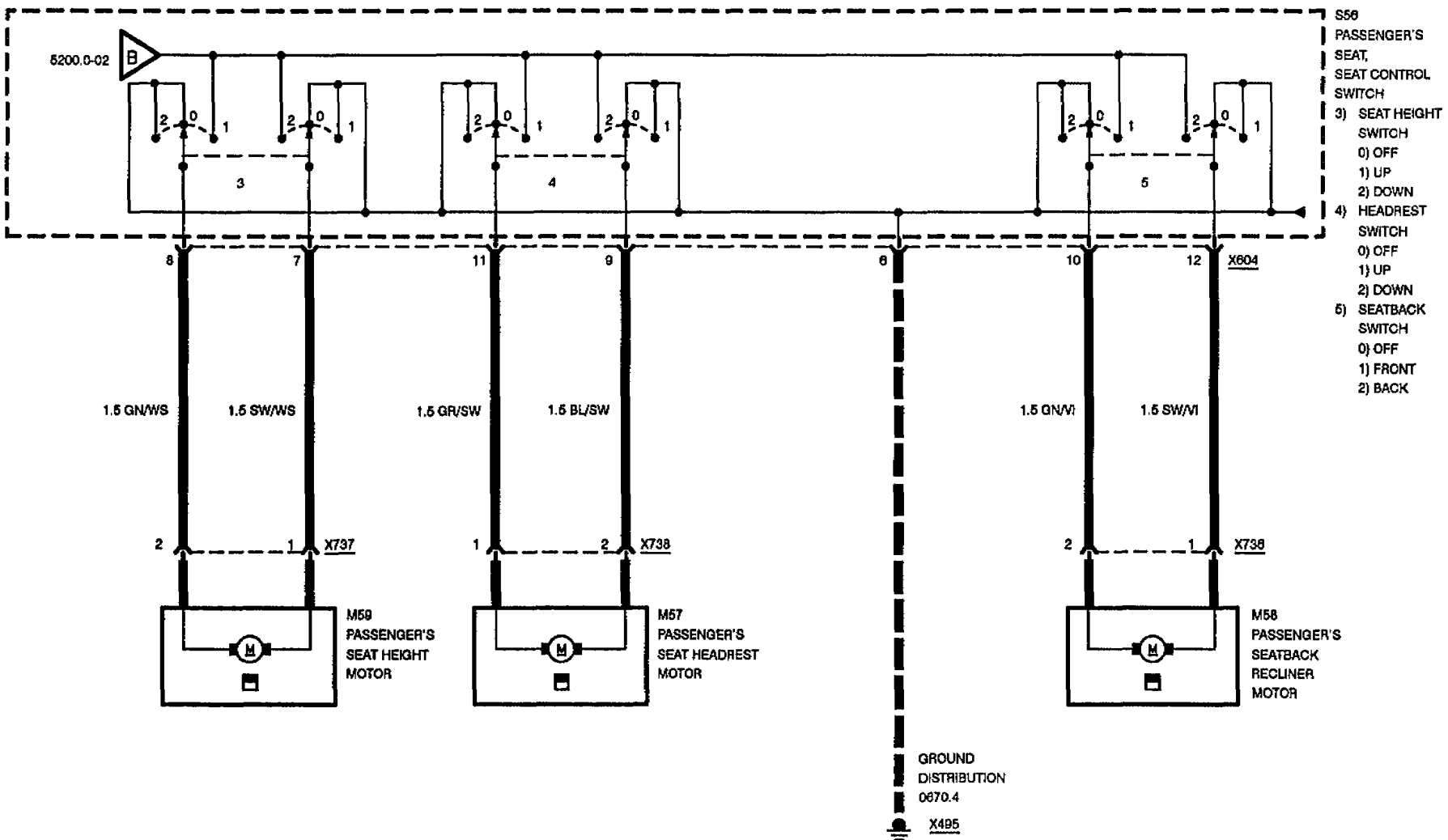
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POWER SEATS

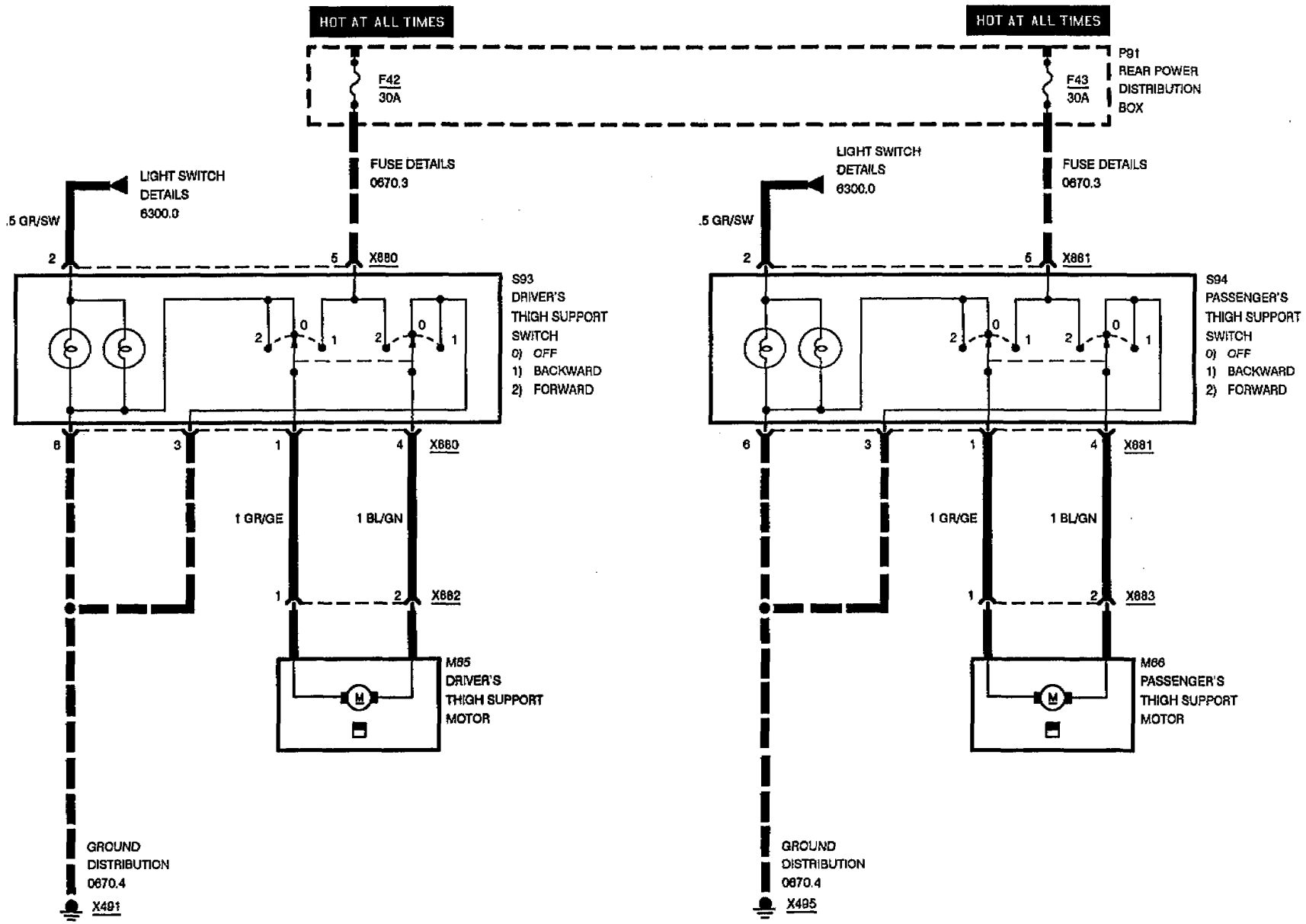
PASSENGER'S SEAT



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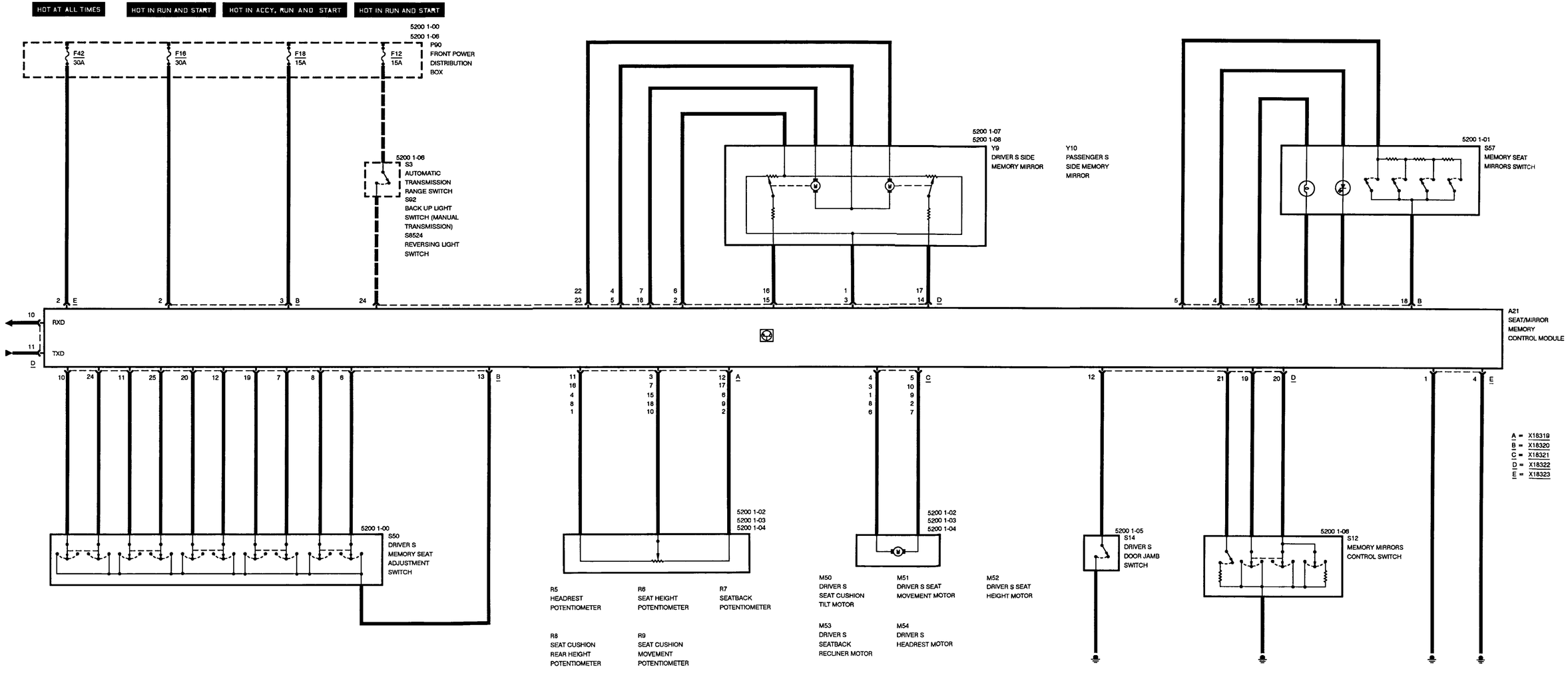
POWER SEATS

THIGH SUPPORT, WITH SPORT SEATS ONLY

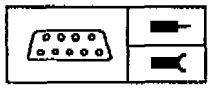


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12/94 5200 1 1994
12/94 5200.1 1994



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Pin Assignments

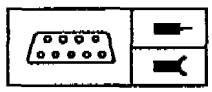
A=X18319	18 Pins, black
B=X18320	26 Pins, natural
C=X18321	10 Pins, black
D=X18322	26 Pins, black
E=X18323	4 Pins, black

X18319

Pin	Type	Description/Function	Connection
1	A	Potentiometer voltage	Seat back potentiometer, driver's
2	M	Ground	Seat back potentiometer, driver's
3	E	Headrest position signal	Headrest potentiometer, driver's
4	A	Potentiometer voltage	Seat height potentiometer, driver's
5		Not used	
6	M	Ground	Seat height potentiometer, driver's
7	E	Seat rear height signal	Seat rear height potentiometer, driver's
8	A	Potentiometer voltage	Seat potentiometer, driver's
9	M	Ground	Seat potentiometer, driver's
10	E	Seat back position signal	Seat back potentiometer, driver's
11	A	Potentiometer voltage	Headrest potentiometer, driver's
12	M	Ground	Headrest potentiometer, driver's
13		Not used	
14		Not used	
15	E	Seat height position signal	Seat height potentiometer, driver's
16	A	Potentiometer voltage	Seat rear height potentiometer, driver's
17	M	Ground	Seat rear height potentiometer, driver's
18	E	Seat cushion position signal	Seat potentiometer, driver's

E = Input, A = Output, M = Ground

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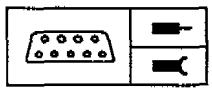
Pin Assignments

X18320

Pin	Type	Description/Function	Connection
1	A	Memory seat/mirrors switch LED (+)	Memory seat/mirrors switch
2	E	Voltage supply (terminal15)	Front power distribution box
3	E	Voltage supply (terminal R)	Front power distribution box
4	A	Memory seat/mirrors switch LED (-)	Memory seat/mirrors switch
5	A	Voltage supply for memory seat/ mirrors switch	Memory seat/mirrors switch
6	E	Backrest, back	Seat control switch, driver's seat
7	E	Headrest, up	Seat control switch, driver's seat
8	E	Backrest, forward	Seat control switch, driver's seat
9		Not used	
10	E	Seat movement, back	Seat control switch, driver's seat
11	E	Tilt, up	Seat control switch, driver's seat
12	E	Height, down	Seat control switch, driver's seat
13	M	Ground	Seat control switch, driver's seat
14	A	Switch illumination (-)	Memory seat/mirrors switch
15	A	Switch illumination (+)	Memory seat/mirrors switch
16		Not used	
17		Not used	
18	E	Memory seat/mirrors switch signal	Memory seat/mirrors switch
19	E	Headrest, down	Seat control switch, driver's seat
20	E	Height, up	Seat control switch, driver's seat
21		Not used	
22		Not used	
23		Not used	
24	E	Seat movement, back	Seat control switch, driver's seat
25	E	Tilt, down	Seat control switch, driver's seat
26		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

X18321

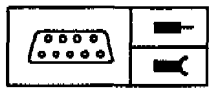
Pin	Type	Description/Function	Connection
1	E/A	Motor voltage/ground	Seat movement motor, driver's
2	E/A	Motor voltage/ground	Headrest motor, driver's
3	E/A	Motor voltage/ground	Seat back recliner motor, driver's
4	E/A	Motor voltage/ground	Seat cushion tilt motor, driver's
5	E/A	Motor voltage/ground	Seat cushion tilt motor, driver's
6	E/A	Motor voltage/ground	Seat height motor, driver's
7	E/A	Motor voltage/ground	Seat height motor, driver's
8	E/A	Motor voltage/ground	Headrest motor, driver's
9	E/A	Motor voltage/ground	Seat movement motor, driver's
10	E/A	Motor voltage/ground	Seat back recliner motor, driver's

X18322

Pin	Type	Description/Function	Connection
1	M	Position potentiometer	Memory mirror, passenger's side
2	A	Position potentiometer	Memory mirror, driver's side
3	M	Position potentiometer	Memory mirror, driver's side
4	E/A	Mirror adjustment motor horizontal/vertical	Memory mirror, driver's side
5	E/A	Mirror adjustment motor horizontal/vertical	Memory mirror, passenger's side
6	A	Position potentiometer	Memory mirror, passenger's side
7	E/A	Mirror adjustment motor, vertical	Memory mirror, driver's side
8		Not used	
9		Not used	
10	A	RxD diagnostic data link	Data link connector
11	E/A	TxD diagnostic data link	Data link connector
12	E	Driver's door status	Door jamb switch, driver's
13		Not used	
14	E	Potentiometer connection	Memory mirror, driver's side
15	E	Potentiometer connection	Memory mirror, driver's side
16	E	Potentiometer connection	Memory mirror, passenger's side
17	E	Potentiometer connection	Memory mirror, passenger's side

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
18	E/A	Mirror adjustment motor	Memory mirror, driver's side
19	E	Mirror adjustment, L/R	Memory seat/mirror switch
20	E	Mirror adjustment, L/R and U/D	Memory seat/mirror switch
21	E	Mirror select signal	Memory seat/mirror switch
22	A	Potentiometer connection	Memory mirror, passenger's side
23	A	Potentiometer connection	Memory mirror, driver's side
24	E	Reverse gear signal	Automatic transmission range switch or back up switch
25		Not used	
26		Not used	

X18323

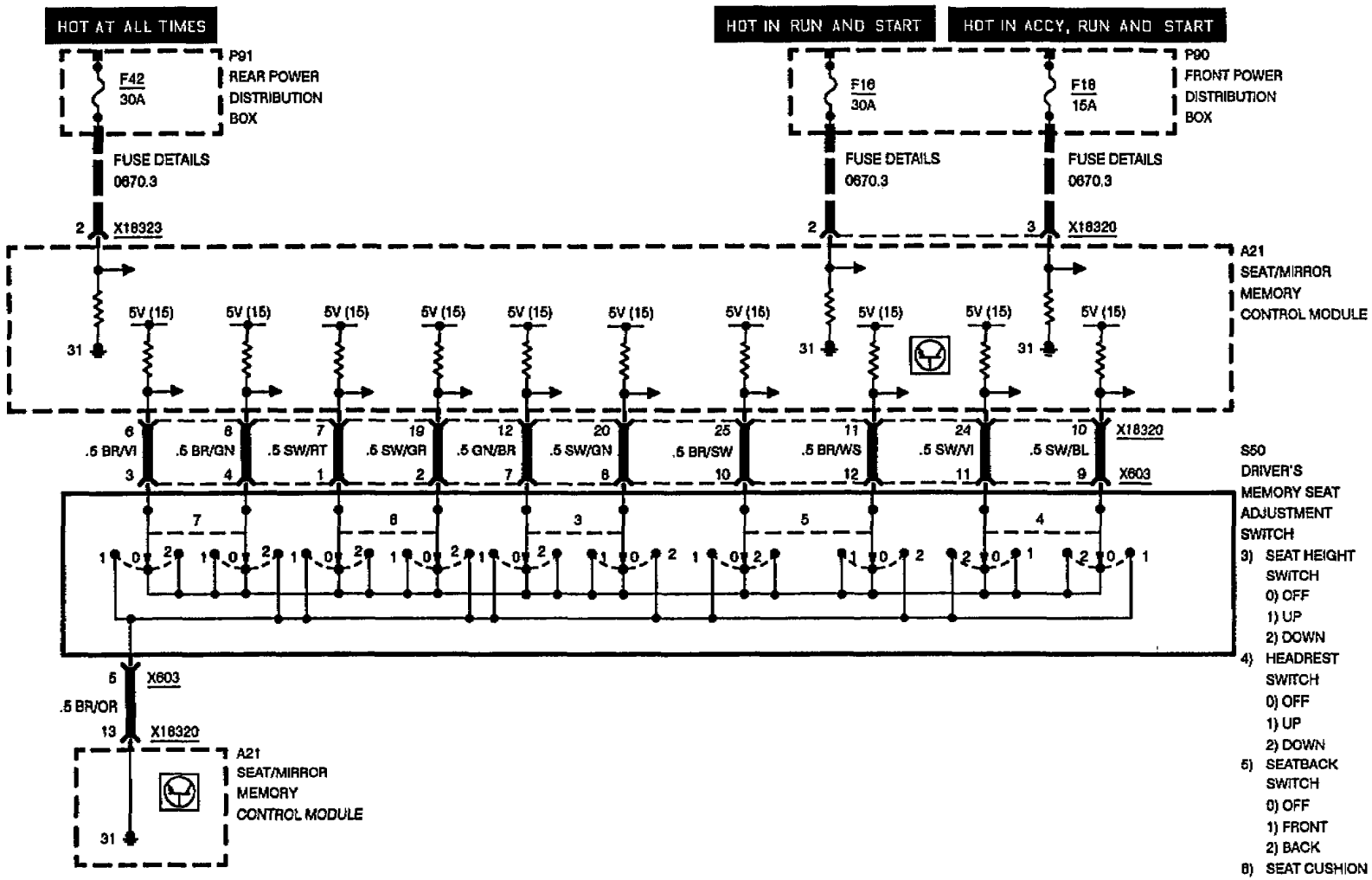
Pin	Type	Description/Function	Connection
1	M	Ground	Ground point
2	E	Voltage supply (terminal 30)	Front power distribution box
3		Not used	
4	M	Ground	Ground point

E = Input, A = Output, M = Ground

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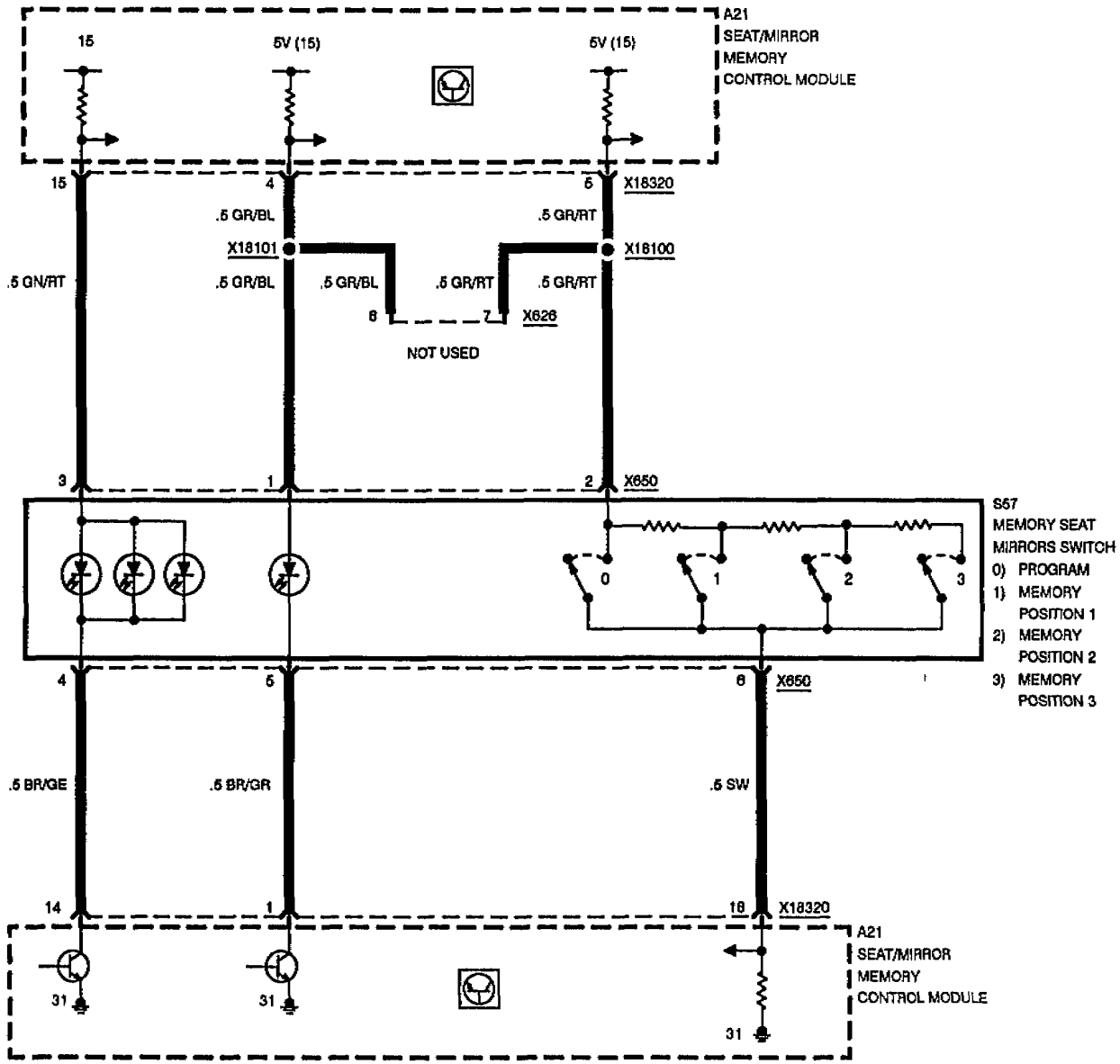
SEAT/MIRROR MEMORY SYSTEM (SM/SPM)



3) SEAT HEIGHT SWITCH
   0) OFF
   1) UP
   2) DOWN
4) HEADREST SWITCH
   0) OFF
   1) UP
   2) DOWN
5) SEATBACK SWITCH
   0) OFF
   1) FRONT
   2) BACK
6) SEAT CUSHION TILT SWITCH
   0) OFF
   1) UP
   2) DOWN
7) SEAT POSITION SWITCH
   0) OFF
   1) FRONT
   2) BACK

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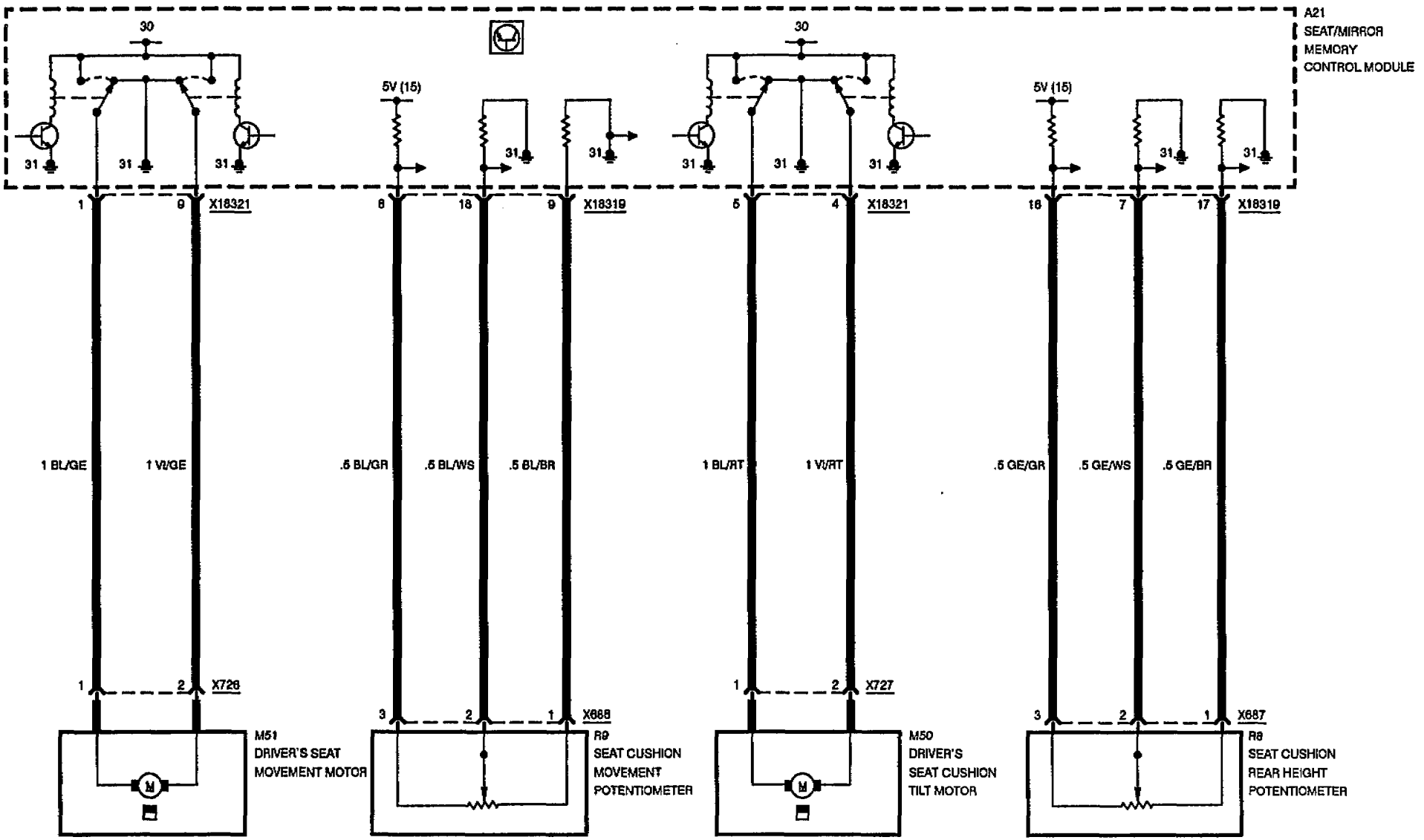
SEAT/MIRROR MEMORY SYSTEM (SM/SPM)



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SEAT/MIRROR MEMORY SYSTEM (SM/SPM)

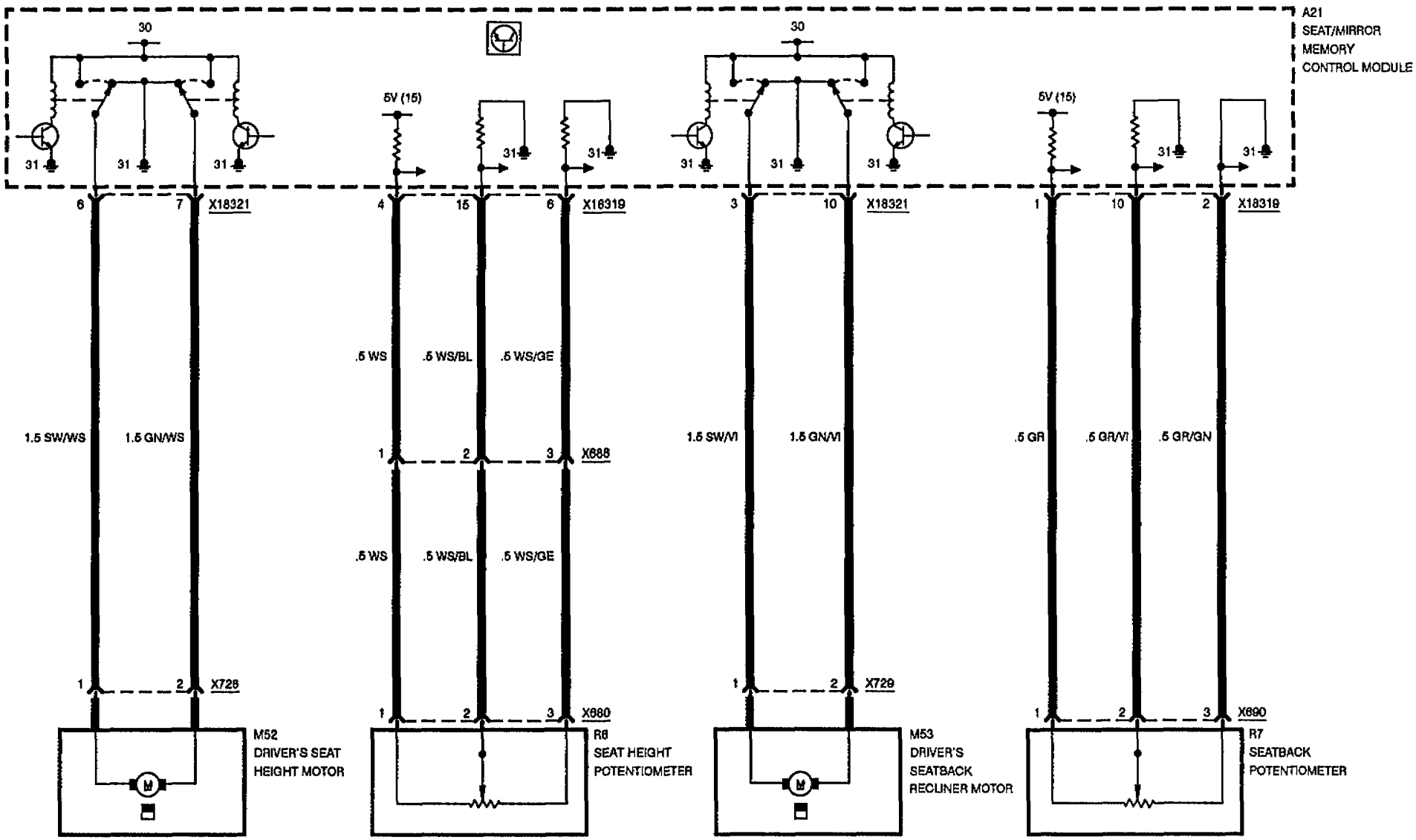
SEAT



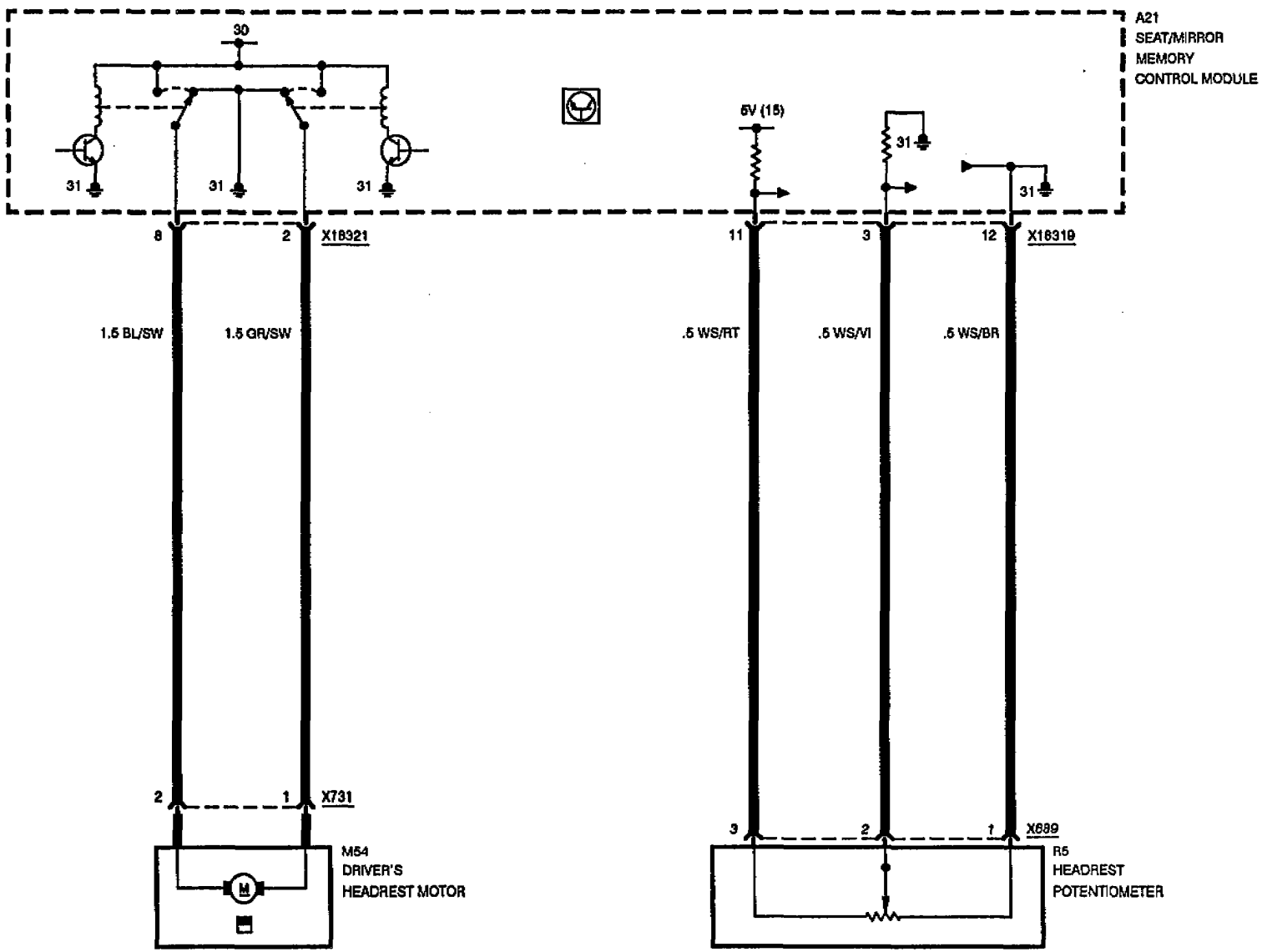
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SEAT/MIRROR MEMORY SYSTEM (SM/SPM)

SEAT

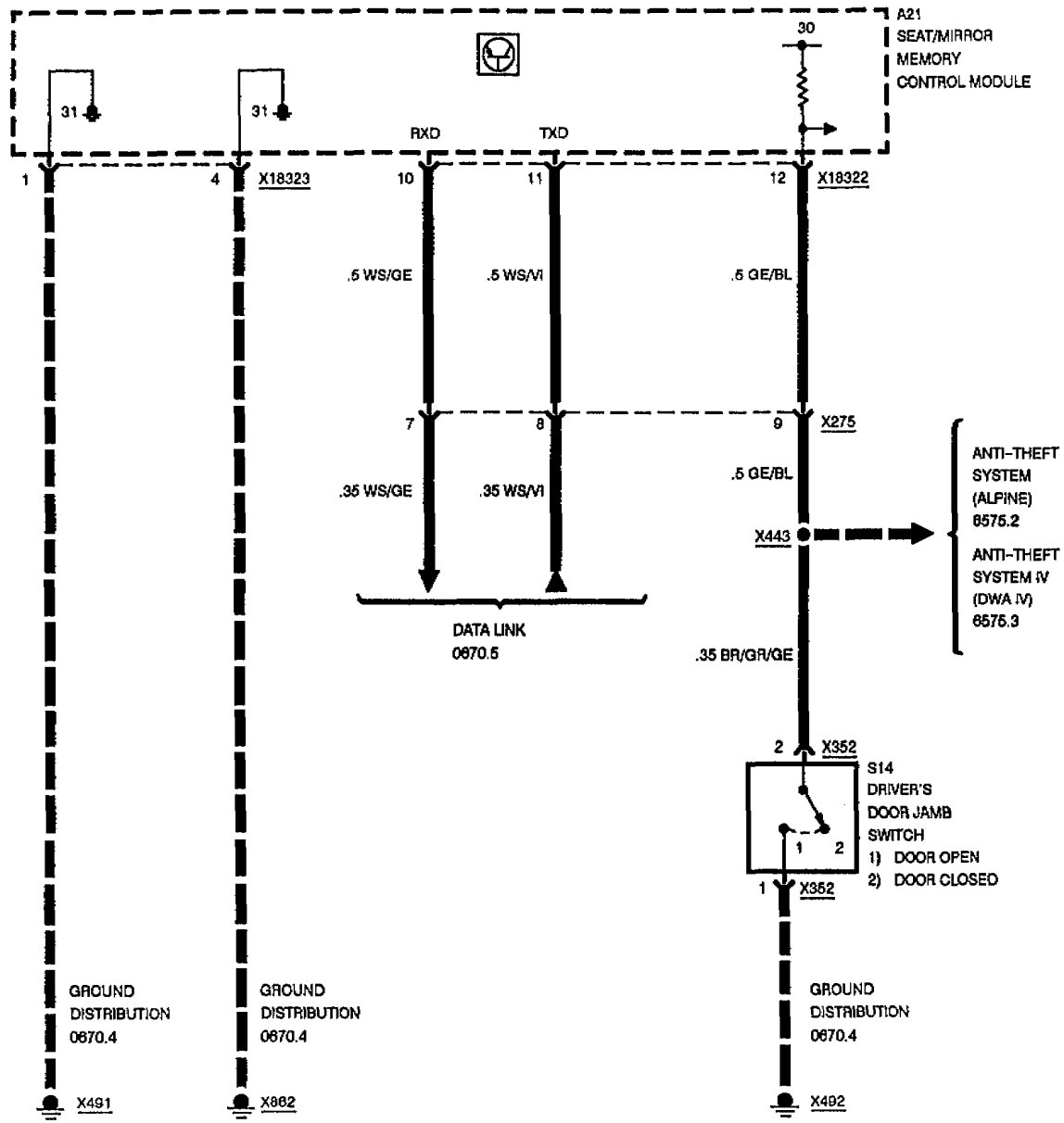


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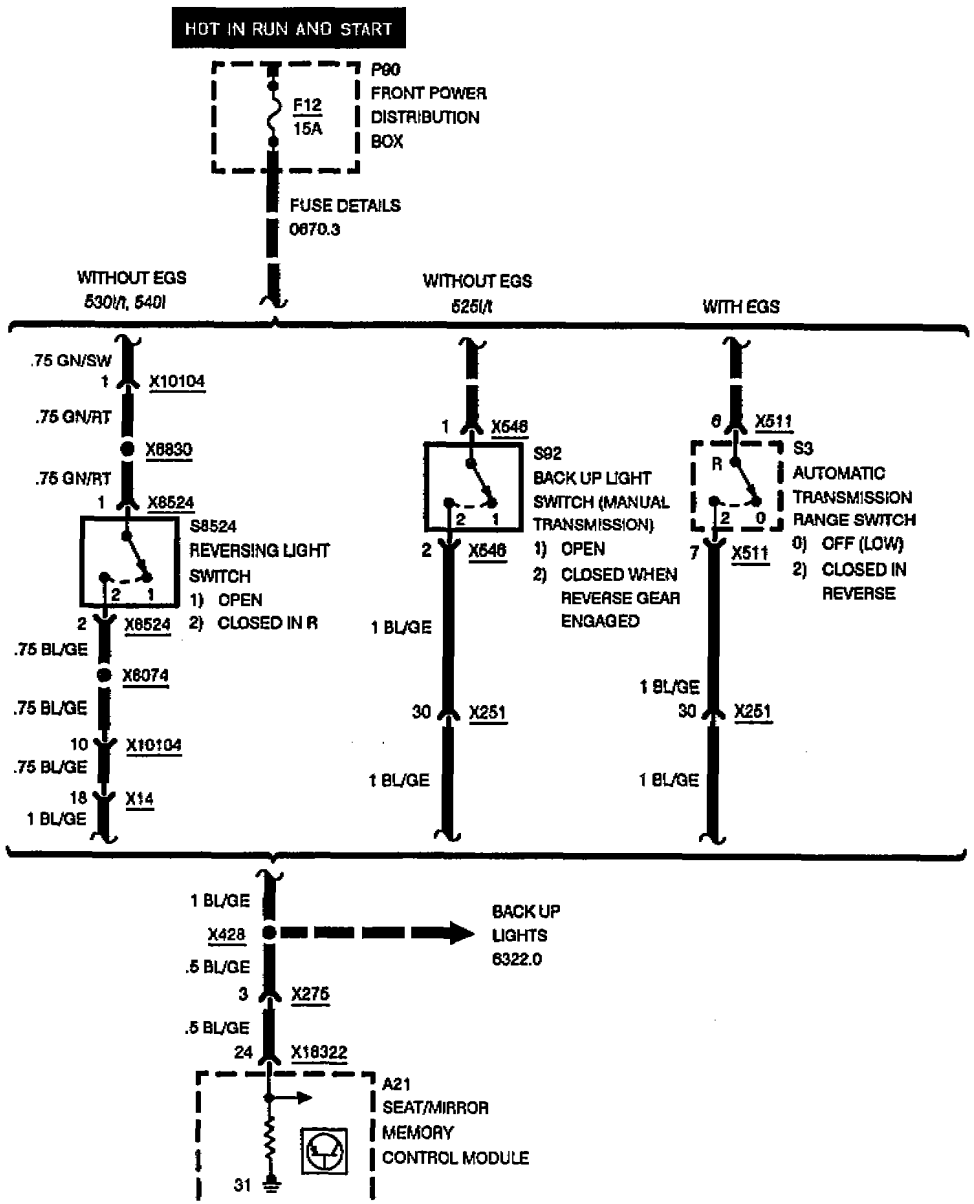
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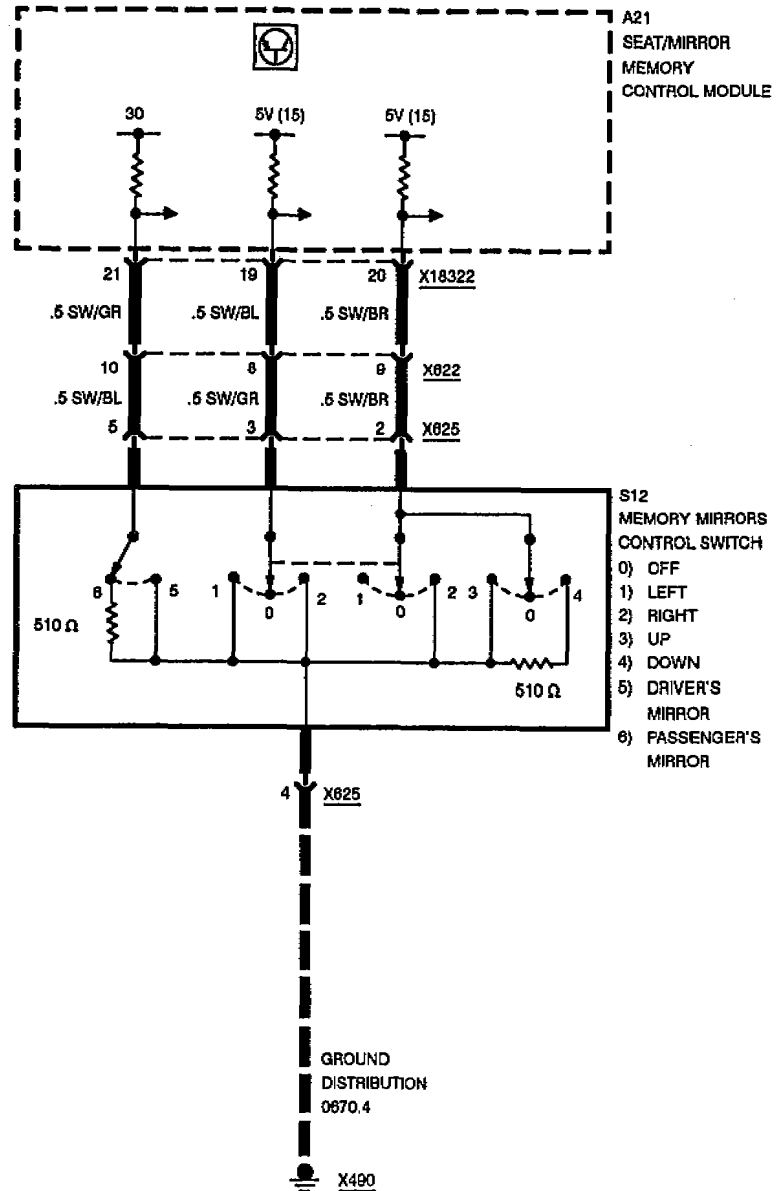
SEAT/MIRROR MEMORY SYSTEM (SM/SPM)



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SEAT/MIRROR MEMORY SYSTEM (SM/SPM)

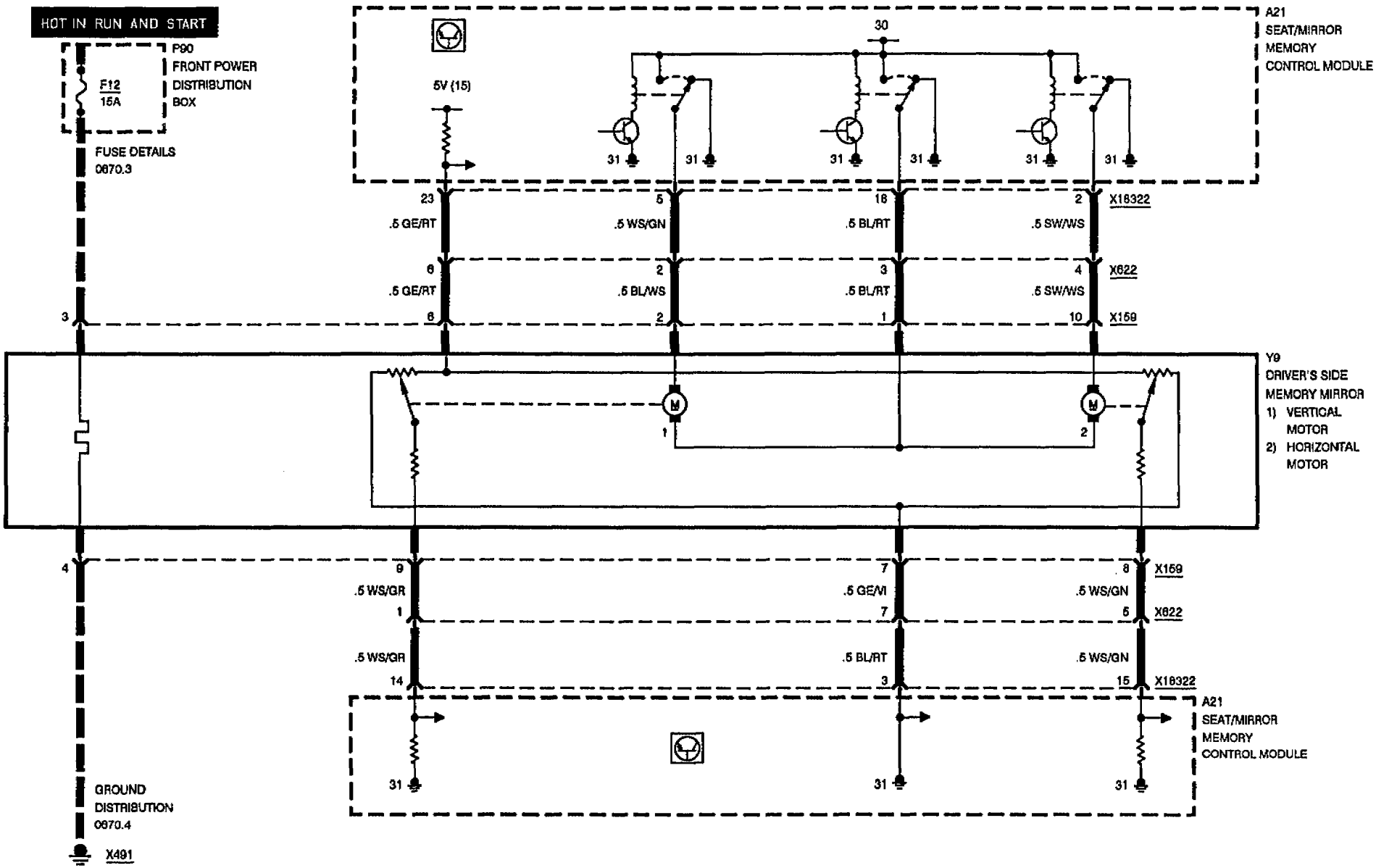




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SEAT/MIRROR MEMORY SYSTEM (SM/SPM)

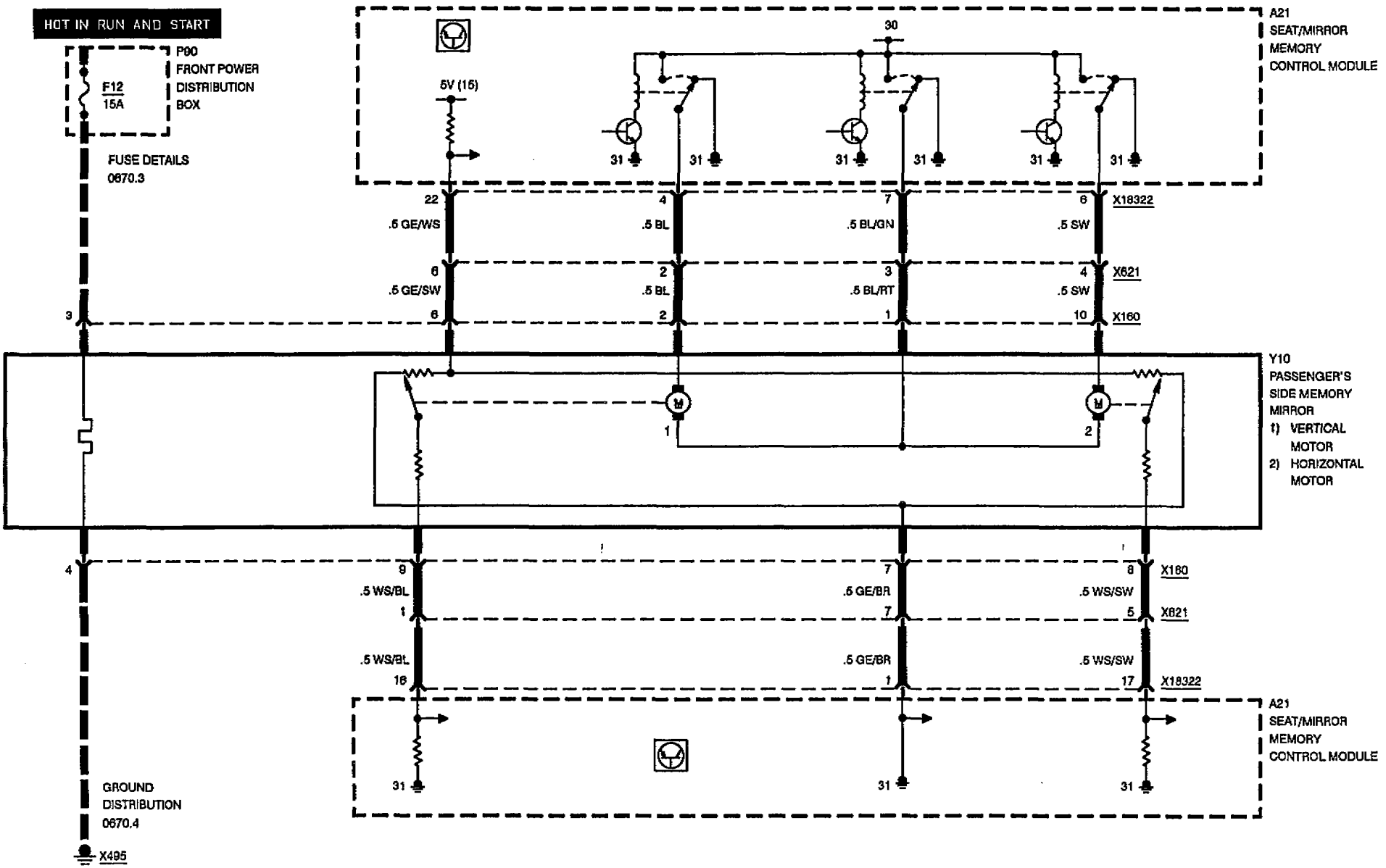
MIRROR



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SEAT/MIRROR MEMORY SYSTEM (SM/SPM)

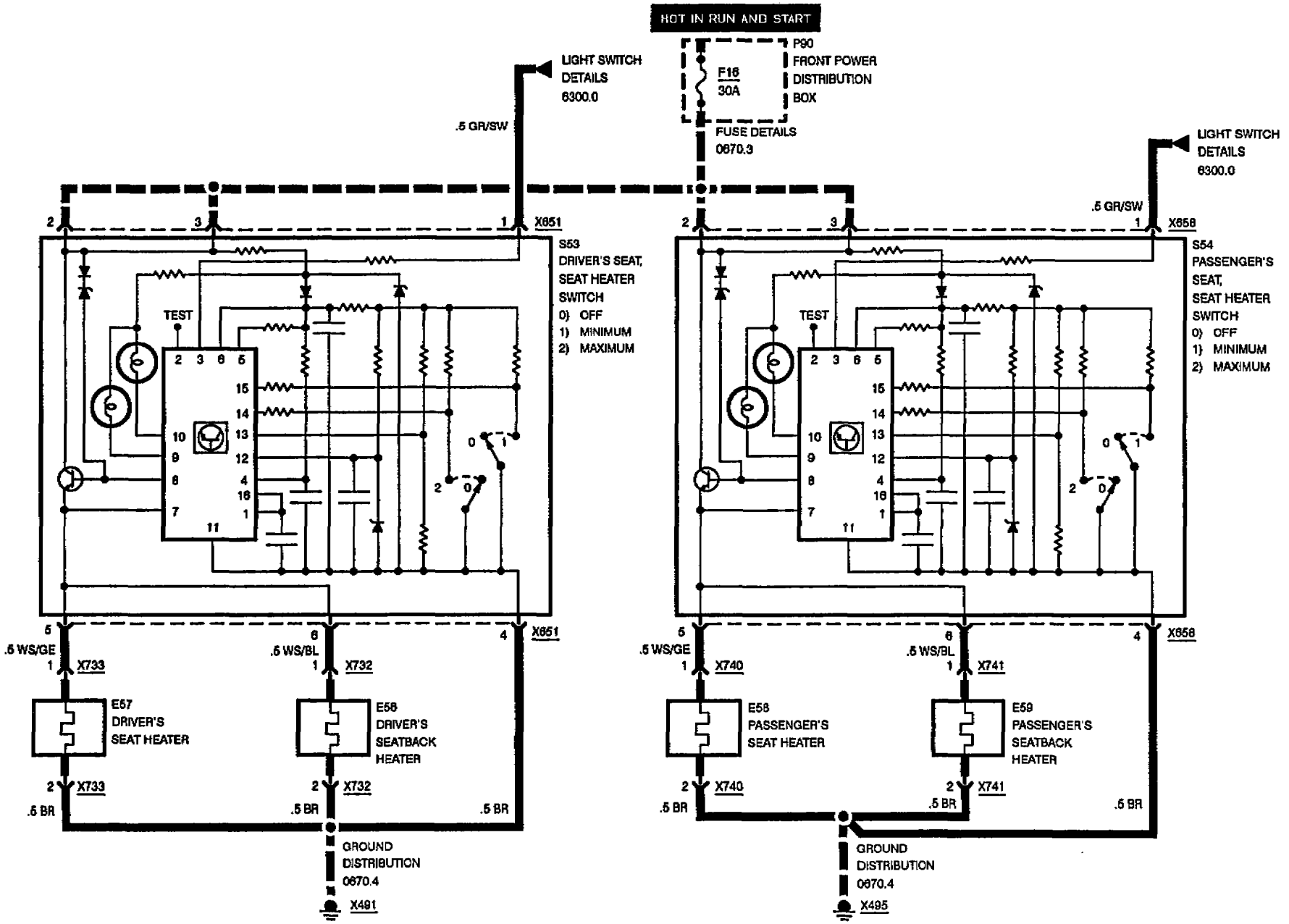
MIRROR



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HEATED SEATS

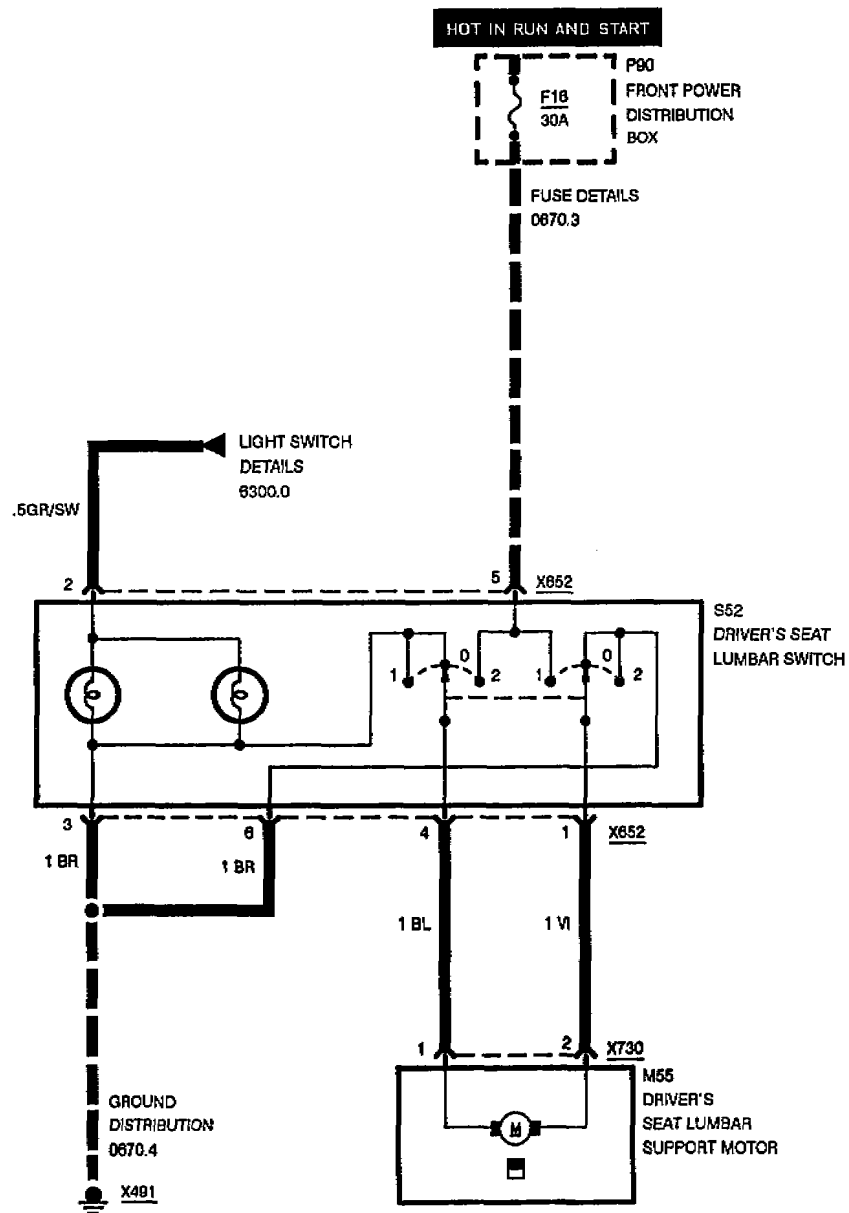


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LUMBAR SUPPORT

DRIVER'S SIDE

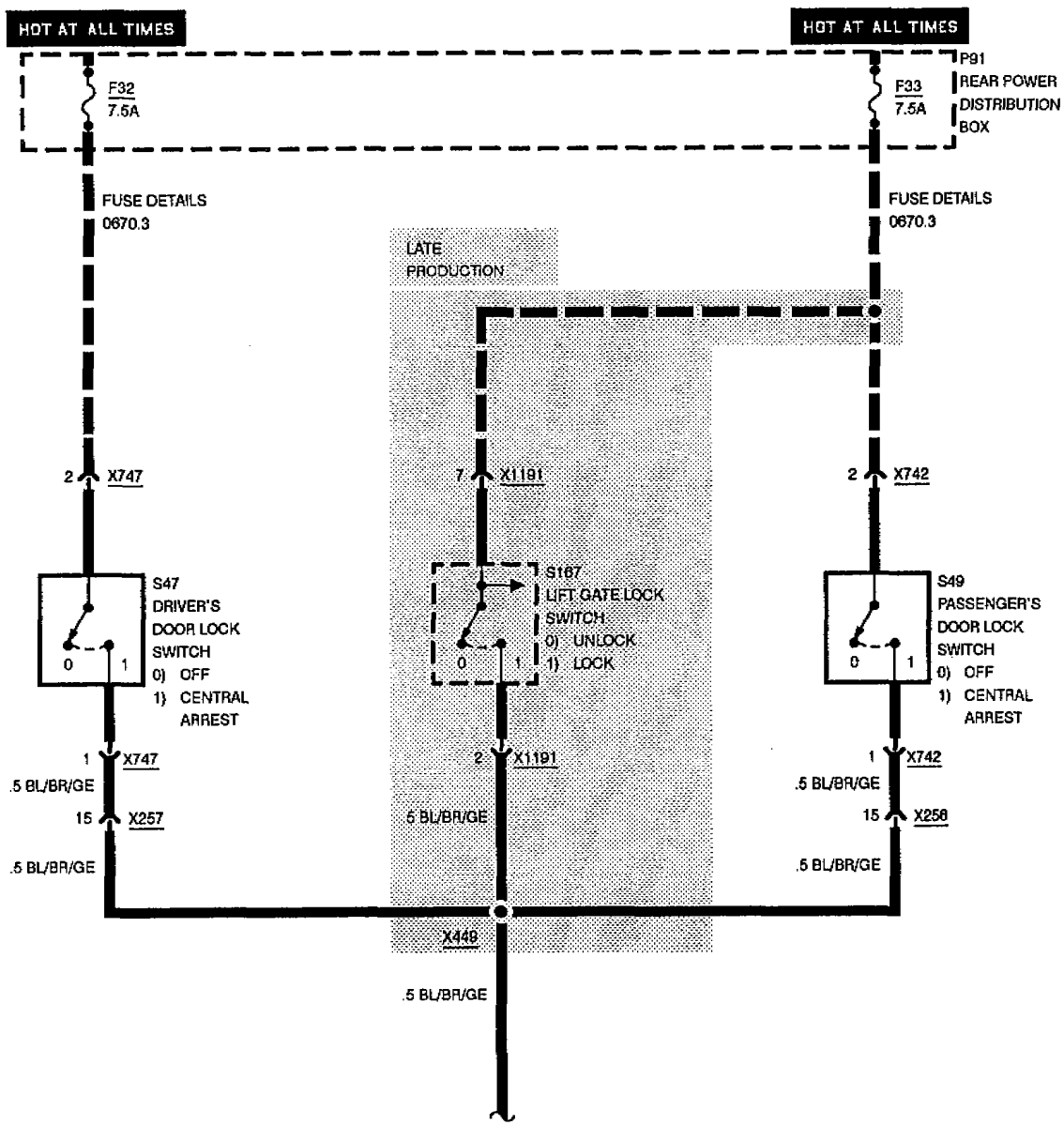


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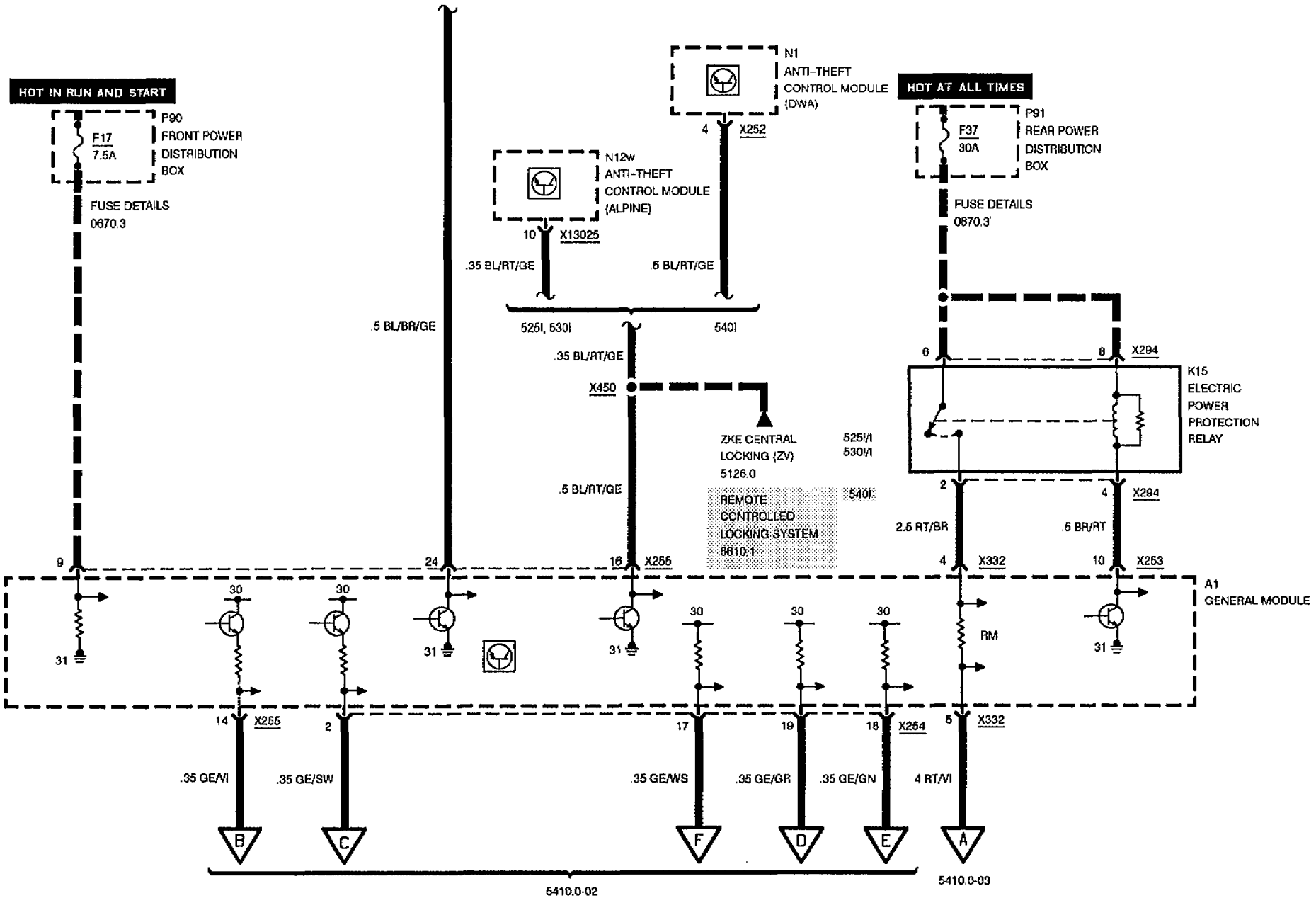
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ZKE SUNROOF (SHD)

INPUT DETAILS



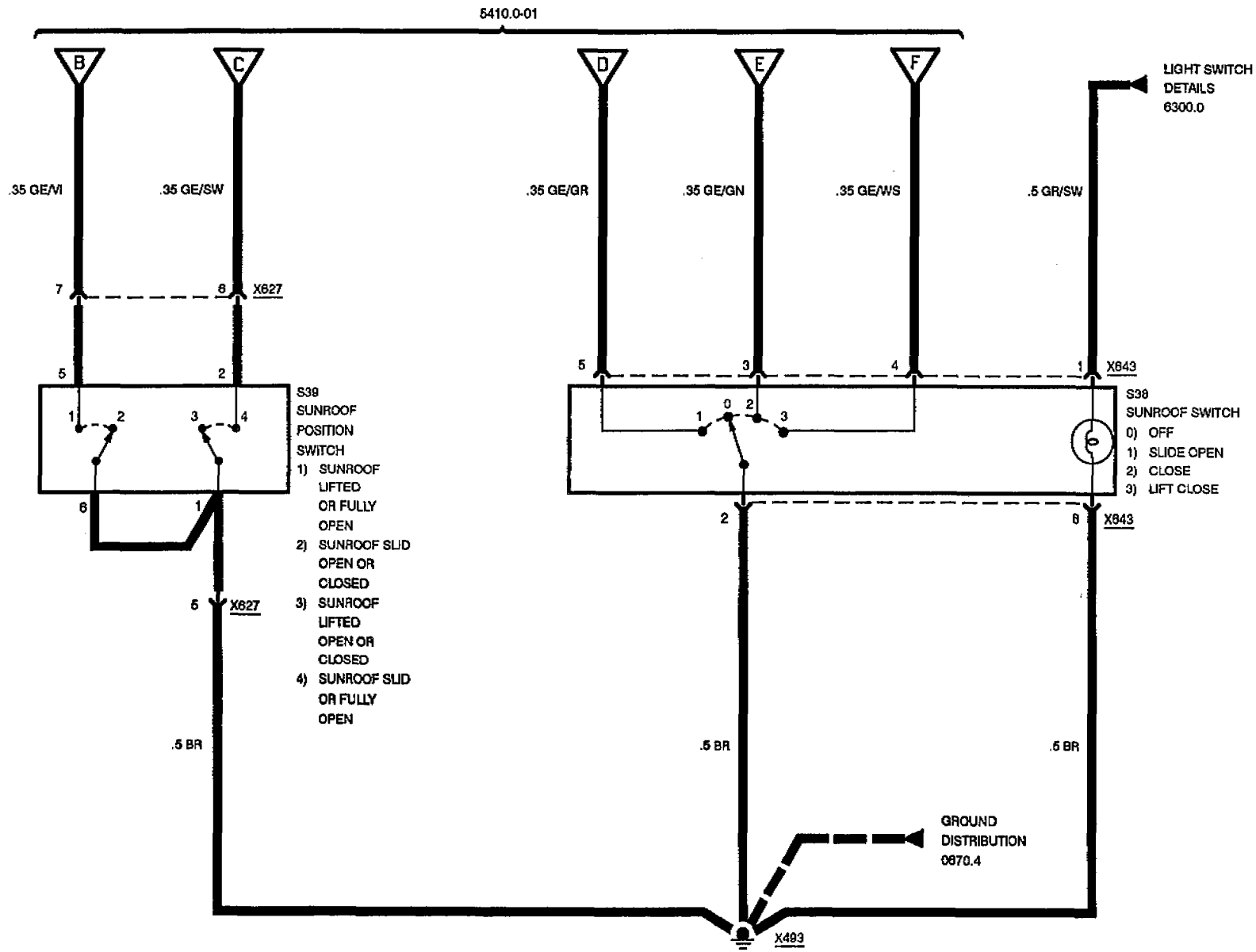
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ZKE SUNROOF (SHD)

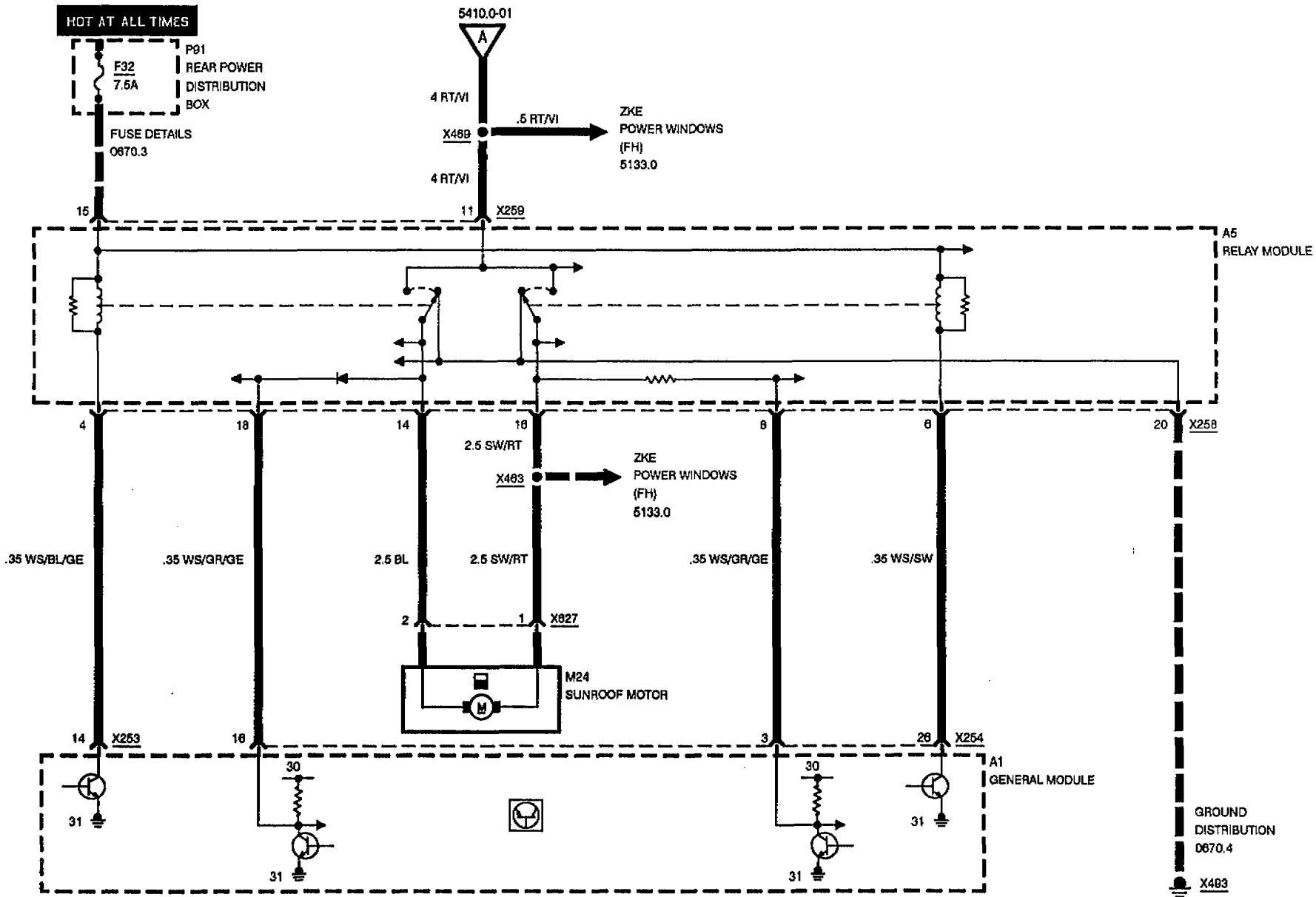
INPUT DETAILS



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ZKE SUNROOF (SHD)

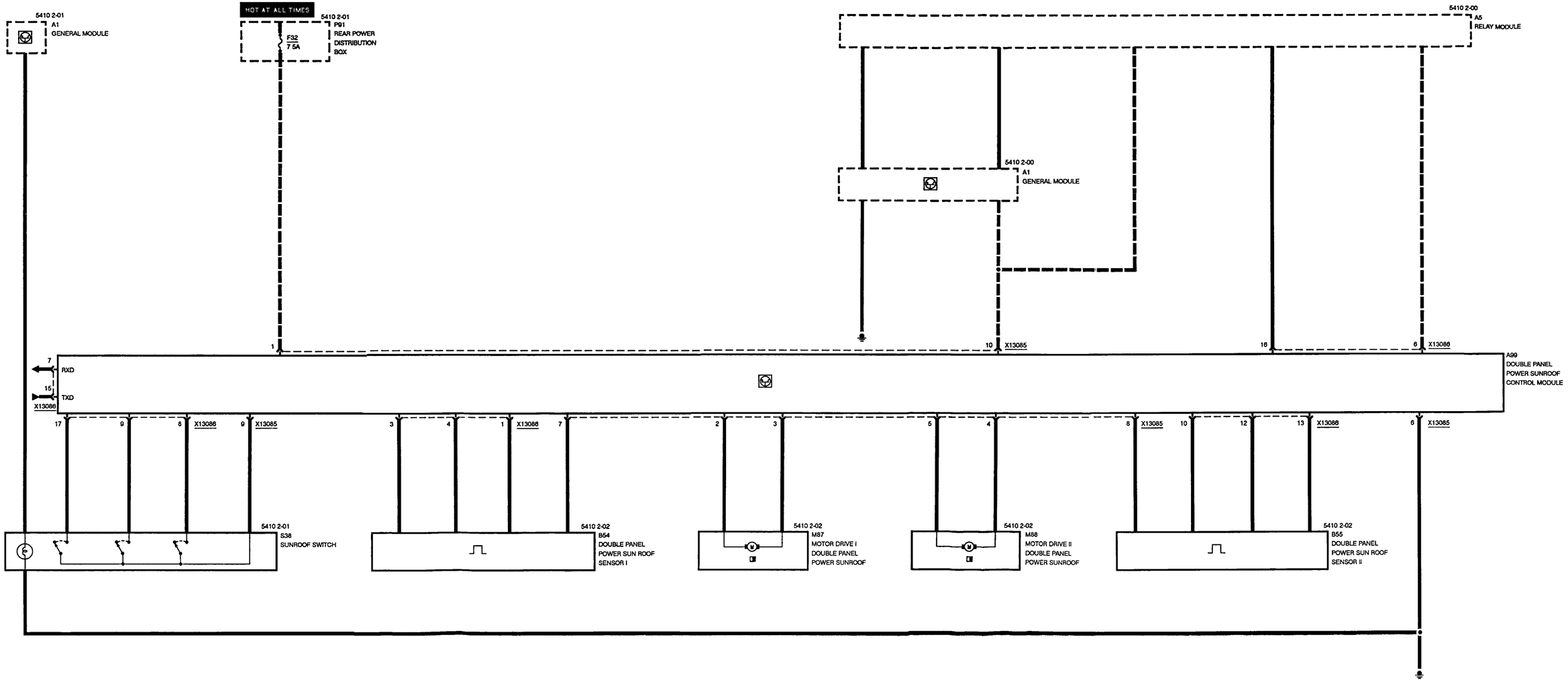
OUTPUT DETAILS



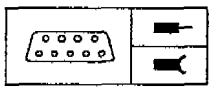
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12/94 — 5410.2 — 1994
12/94 — 5410.2 — 1994



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Pin Assignments

A=X13085	10 Pins
B=X13086	18 Pins

X13085

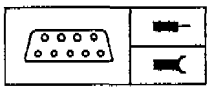
Pin	Type	Description/Function	Connect
1	E	Terminal 30, voltage supply	Rear power distribution box, fuse 32
2	E/A	Motor voltage/ground	Motor drive I double panel power sunroof
3	E/A	Motor voltage/ground	Motor drive I double panel power sunroof
4	E/A	Motor voltage/ground	Motor drive II double panel power sunroof
5	E/A	Motor voltage/ground	Motor drive II double panel power sunroof
6	M	Module ground	Ground point
7	A	Power	Contact, front roof
8	A	Power	Contact, rear roof
9	A	Power	Sunroof switch
10	E	Power	General module

X13086

Pin	Type	Description/Function	Connect
1	E	Position contact	Contact, front roof
2		Not used	
3	E	Position contact	Contact, front roof
4	E	Position contact	Contact, front roof
5		Not used	
6	E	Control signal	Relay module
7	E	RxD diagnostic data link	Data link connector
8	E	Switch, closed	Sunroof switch
9	E	Switch, closed	Sunroof switch
10	E	Position contact	Contact, rear roof
11		Not used	
12	E	Position contact	Contact, rear roof

E = Input, A = Output, M = Ground

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Pin Assignments

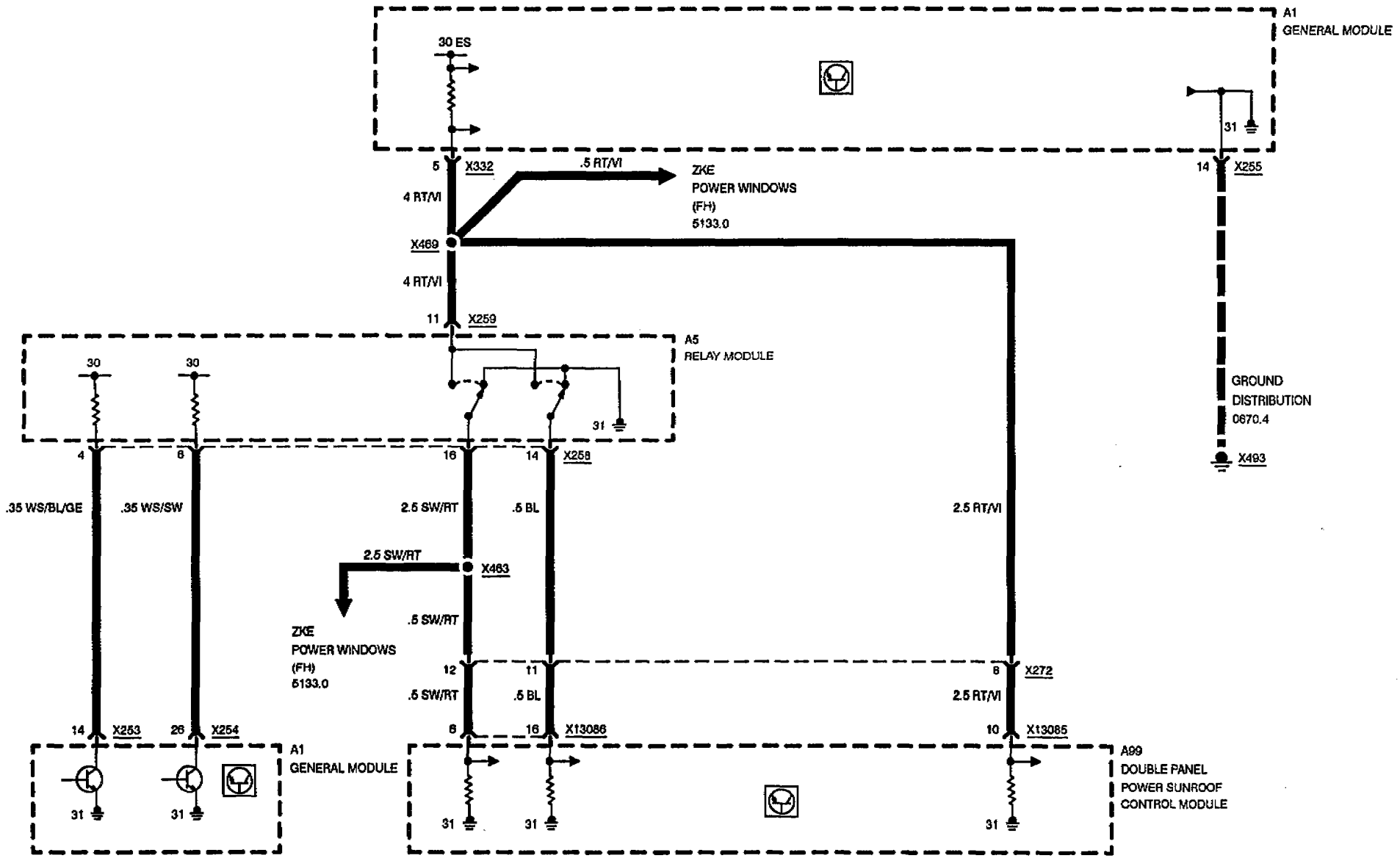
Pin	Type	Description/Function	Connect
13	E	Position contact	Contact, rear roof
14		Not used	
15	E/A	TxD diagnostic data link	Data link connector
16	E	MSD+	Relay module
17	E	Switch, closed	Sunroof switch
18		Not used	

E = Input, A = Output, M = Ground

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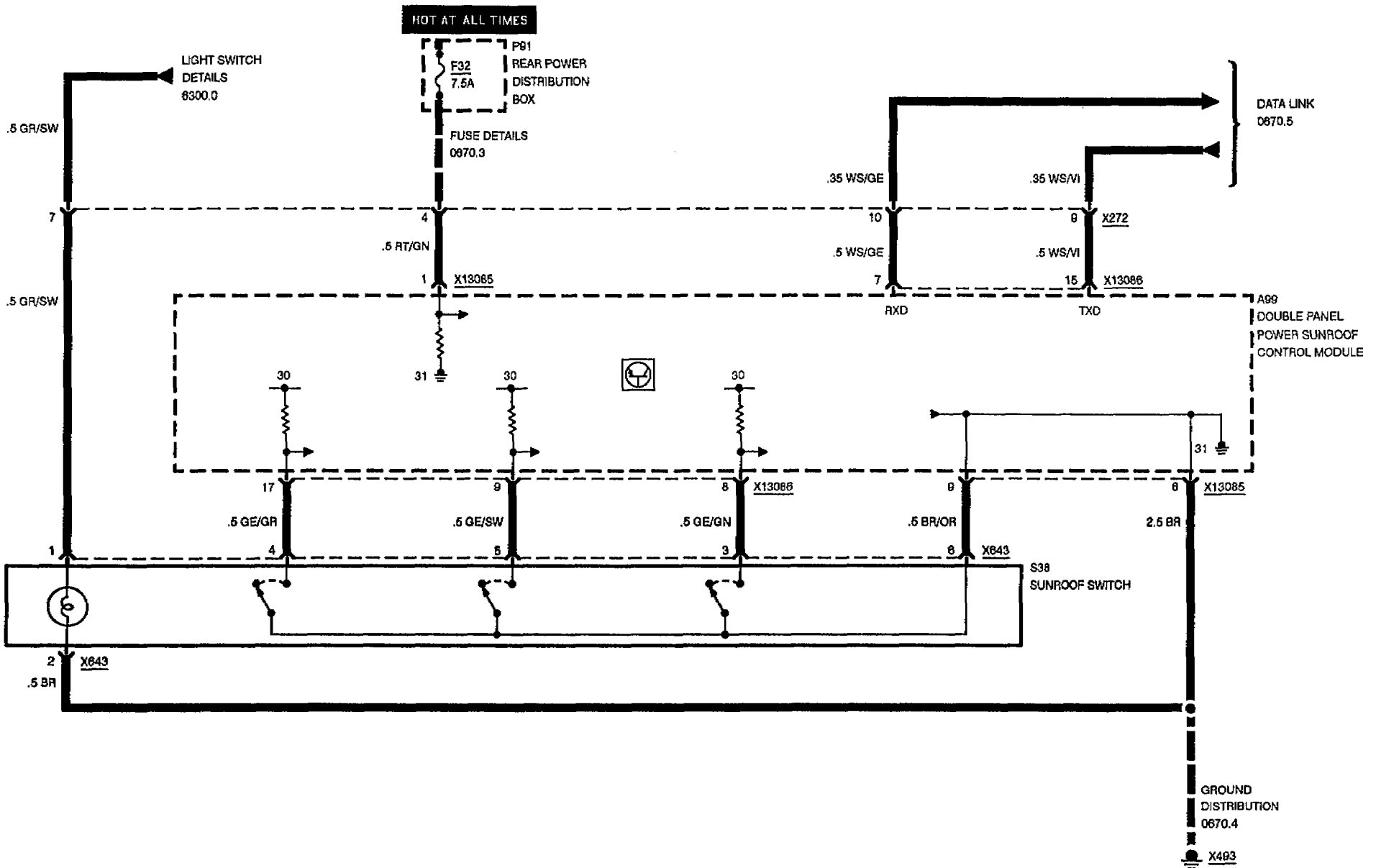
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DOUBLE PANEL POWER SUNROOF (ZKE)



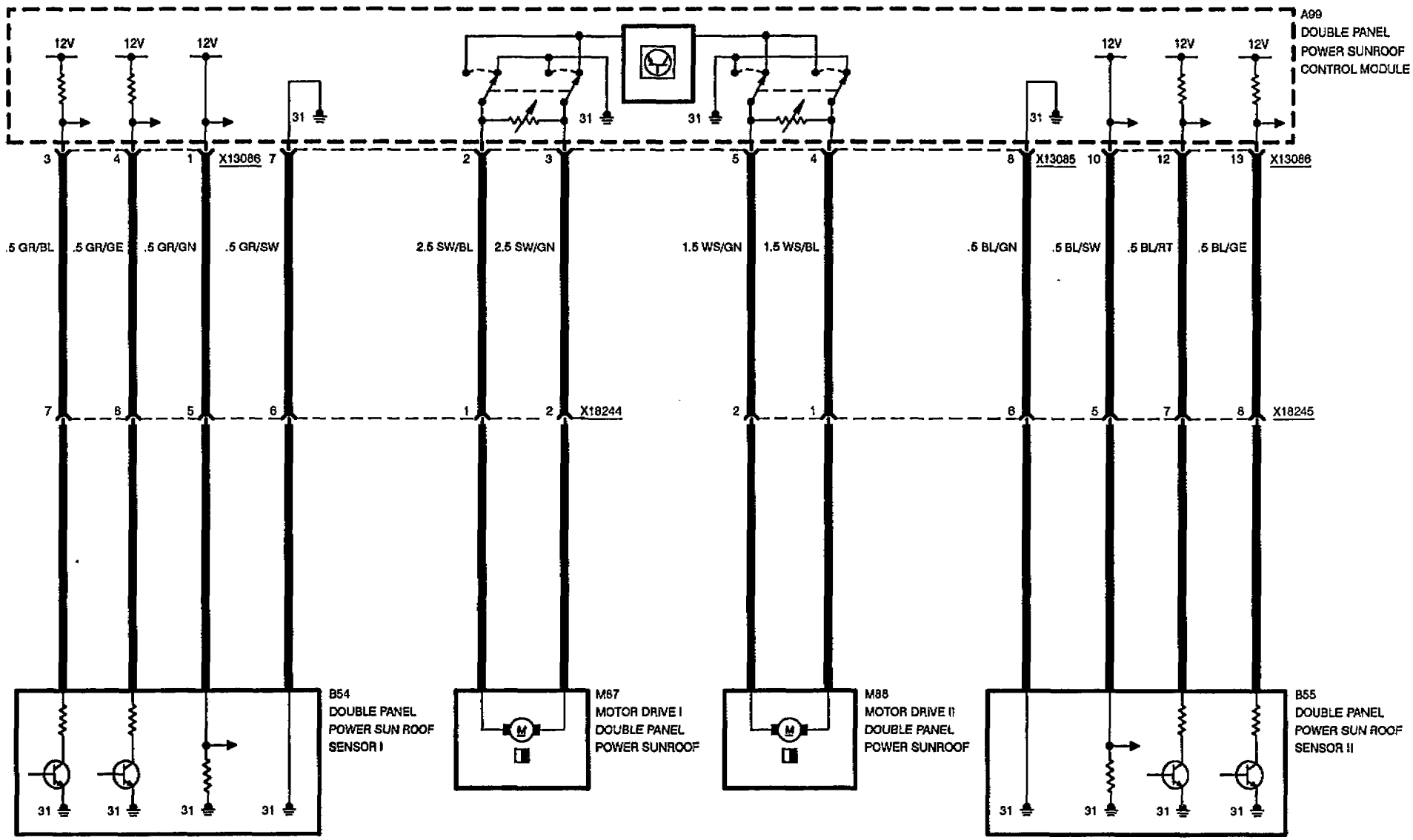
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DOUBLE PANEL POWER SUNROOF (ZKE)



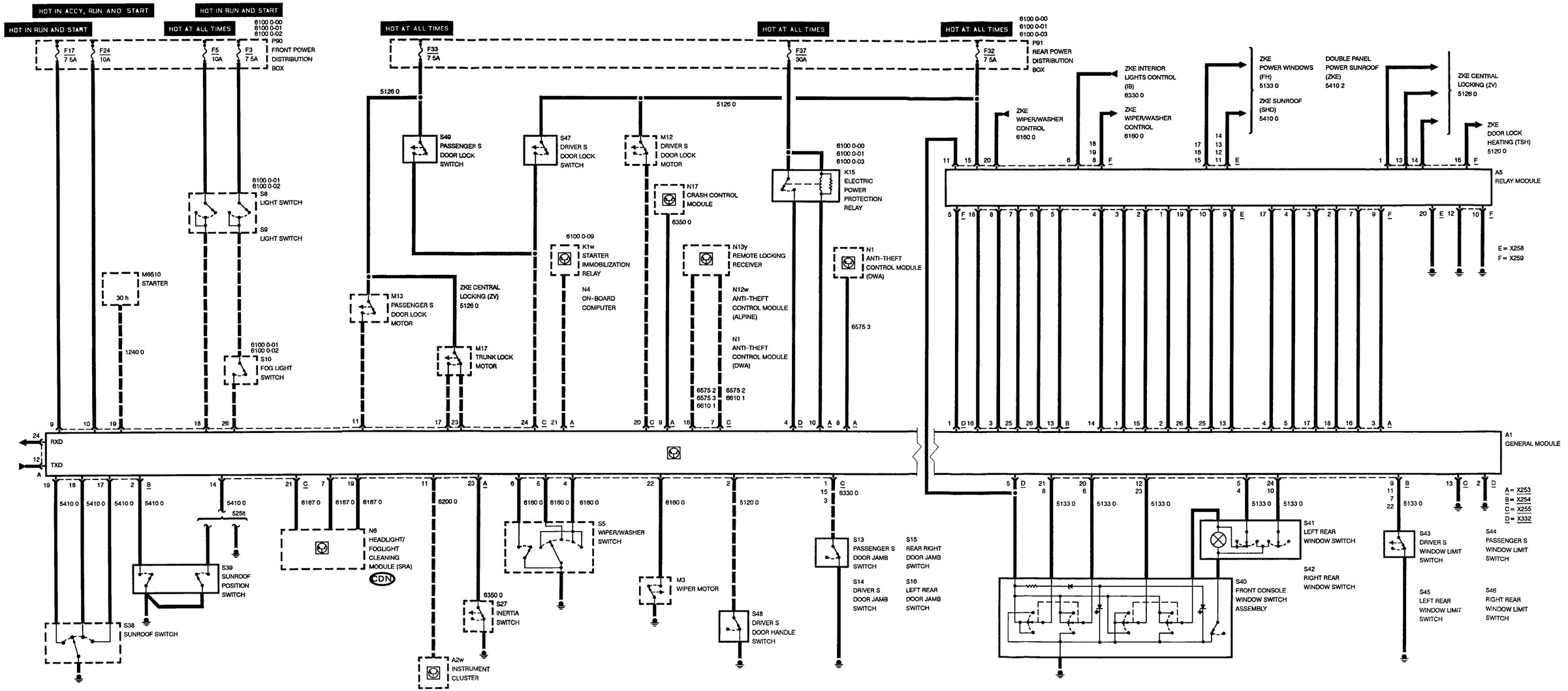
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DOUBLE PANEL POWER SUNROOF (ZKE)

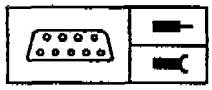


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12/94 — 6100.0 — 1994
12/94 — 6100.0 — 1994



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Pin Assignments

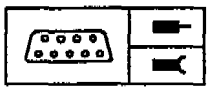
A=X253	26 Pins, green
B=X254	26 Pins, white
C=X255	26 Pins, yellow
D=X332	5 Pins, white
E=X258	20 Pins, white
F=X259	20 Pins, black

X253

Pin	Type	Description/Function	Connection
1	A	Passenger's window motor control	Relay module
2	A	Passenger's window motor control	Relay module
3	A	Wiper motor control	Relay module
4	A	Door lock heater control	Relay module
5	A	Lock motors control	Relay module
6		Not used	
7	A	Light cleaning control	Headlight/front fog light cleaning system module (SRA)
8	A	QZV	Anti-theft control module (DWA)
9	A	Crash information	Crash control module
10	A	Electric power control protection relay control	Electric power protection relay, terminal 85
11	E	Vehicle speed signal	Instrument cluster
12	E/A	TxD diagnostic data link	Data link connector
13	E	Data line	Relay module
14	A	Sunroof motor control	Relay module
15	A	Passenger's and right rear window motor control	Relay module
16	A	Interior lights control	Relay module
17	A	Lock motors control (close)	Relay module
18	A	Lock motors control (open)	Relay module
19	A	Light cleaning control	Headlight/front fog light cleaning system module (SRA)

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
20		Not used	
21	A	Drive away protection	Engine control module (DME) Starter immobilization relay (Late Protection)
22		Not used	
23	E	Crash signal	Inertia switch
24	E	RxD diagnostic data link	Data link connector
25	E	Data line	Relay module
26	E	Data line	Relay module

X254

Pin	Type	Description/Function	Connection
1		Not used	
2	E	Sunroof position signal	Sunroof position switch
3	E	Data line (window and sunroof motors position)	Relay module
4	E	Open right rear window signal (switch)	Right rear window switch
5	E	Open left rear window signal (switch)	Left rear window switch
6	E	Open passenger's window signal (switch)	Front console window switch assembly
7	E	Left rear window open signal (position)	Left rear window limit switch
8	E	Close passenger's window signal (switch)	Front console window switch assembly
9	E	Passenger's window open signal (position)	Passenger's window limit switch
10	E	Close right rear window signal (switch)	Right rear window switch
11	E	Driver's window open signal (position)	Driver's window limit switch
12	E	Close left rear window signal (switch)	Front console window switch assembly
13	A	Left rear window motor control	Relay module
14		Not used	
15		Not used	
16	E	Data line (window and sunroof motors position)	Relay module
17	E	Close sunroof lift signal	Sunroof switch
18	E	Close sunroof signal	Sunroof switch

E = Input, A = Output, M = Ground

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Pin Assignments

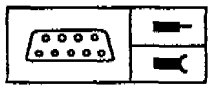
Pin	Type	Description/Function	Connection
19	E	Open sunroof slide signal	Sunroof switch
20	E	Open driver's window signal (switch)	Front console window switch assembly
21	E	Close driver's window signal (switch)	Front console window switch assembly
22	E	Right rear window open signal (position)	Right rear window limit switch
23	E	Close right rear window signal (switch)	Front console window switch assembly
24	E	Close left rear window signal (switch)	Left rear window switch
25	A	Driver's window motor control	Relay module
26	A	Driver's and left rear window control/sunroof motor control	Relay module

X255

Pin	Type	Description/Function	Connection
1	E	Passenger's door open signal	Passenger's door jamb switch
2	E	Driver's door handle lifted signal	Driver's door handle switch
3	E	Rear doors open signal	Rear door jamb switches
4	E	Standard wiper signal	Wiper/washer switch
5	E	Interval wiper signal	Wiper/washer switch
6	E	Wash signal	Wiper/washer switch
7	E	Anti-theft system control module (Alpine)	Anti-theft system control module (Alpine)
8		Not used	
9	E	Voltage supply, terminal 15	Front power distribution box
10	E	Voltage supply, terminal R	Front power distribution box
11	E	Passenger's door lock motor locked	Passenger's door lock motor
12		Not used	
13	M	Ground	Ground point
14	E M	Sunroof position signal Ground (525it)	Sunroof position switch Ground point
15	E	Driver's door open signal	Driver's door jamb switch
16	E	Anti-theft system control module	Anti-theft system control module
17	E	Unlock door lock motors signal	Trunk lock motor
18	E	Park or headlights ON signal	Light switch

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
19	E	Starter, terminal 30h	Starter
20	E	Driver's door lock motor locked	Door lock motor
21	E	Data line	Headlight/front fog light cleaning system module (SRA)
22	E	Wipers not in park signal	Wiper motor
23	E	Unlock trunk lock motor signal	Trunk lock motor
24	E	Lock front doors signal	Front door lock switches
25		Not used	
26	E	Front or rear fog lights ON signal	Fog light switch

X332

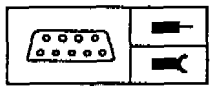
Pin	Type	Description/Function	Connection
1	E	Power for electronics	Relay module
2	M	Ground	Ground point
3		Not used	
4	E	Power input	Electric power protection relay, terminal 87
5	E	Power for electronics	Relay module, front console window switch assembly

X258

Pin	Type	Description/Function	Connection
1	E	Right rear window motor control	General module
2	E	Passenger's and right rear window motor control	General module
3	E	Passenger's window motor control	General module
4	E	Sunroof motor control	General module
5	E	Left rear window motor control	General module
6	E	Driver's and left rear window motor control/ sunroof motor control	General module
7	E	Driver's window motor control	General module

E = Input, A = Output, M = Ground

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Pin Assignments

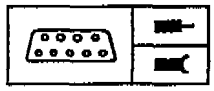
Pin	Type	Description/Function	Connection
8	A	Data line (window and sunroof motors position)	General module
9	A	Data line	General module
10	A	Data line	General module
11	A	Right rear window motor power/ground supply	Right rear window motor
12	A	Passenger's and right rear window motor power/ground supply	Right rear window motor
13	A	Passenger's window motor power/ground supply	Passenger's window motor
14	A	Sunroof motor power/ground supply	Sunroof motor
15	A	Left rear window motor power/ground supply	Left rear window motor
16	A	Driver's window motor, left rear window motor, and sunroof motor power/ground supply	Driver's and left rear window motors/sunroof motor
17	A	Driver's window motor power/ground supply	Driver's window motor
18	A	Data line (window and sunroof motors position)	General module
19	A	Data line	General module
20	M	Ground	Ground point

X259

Pin	Type	Description/Function	Connection
1	A	Lock motors voltage/ground supply	Door lock motors
2	E	Lock motors control (open)	General module
3	E	Lock motors control (close)	General module
4	E	Lock motors control	General module
5	A	Power output	General module
6	A	Interior lights ground supply (Automatic)	Interior lights
7	E	Interior lights control	General module
8	E	Fast wiper speed signal	Wiper/washer switch
9	E	Wiper motor control	General module

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
10	M	Ground	Ground point
11	E	Power input	General module
12	M	Ground	Ground point
13	A	Lock motors voltage/ground supply	Door lock motors
14	A	Central locking voltage/ground supply	Door lock motors
15	E	Voltage supply, terminal 30	Rear power distribution box
16	A	Door lock heater voltage supply	Door lock heater
17	E	Door lock heater control	General module
18	A	Wiper motor voltage supply (slow)	Wiper motor
19	A	Wiper motor voltage supply (fast)	Wiper motor
20	E	Power input	Wiper relay

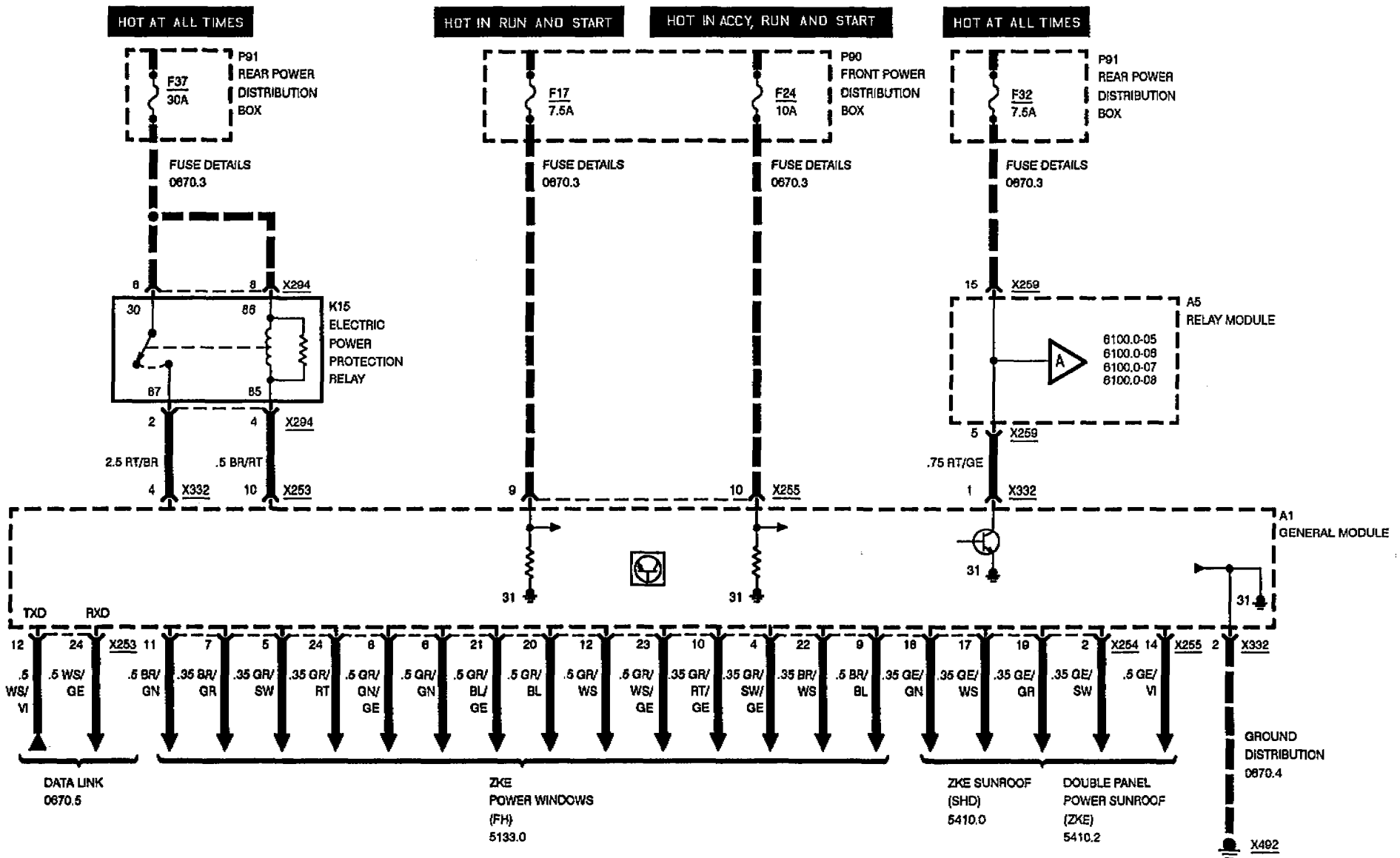
E = Input, A = Output, M = Ground

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CENTRAL BODY ELECTRONICS (ZKE)

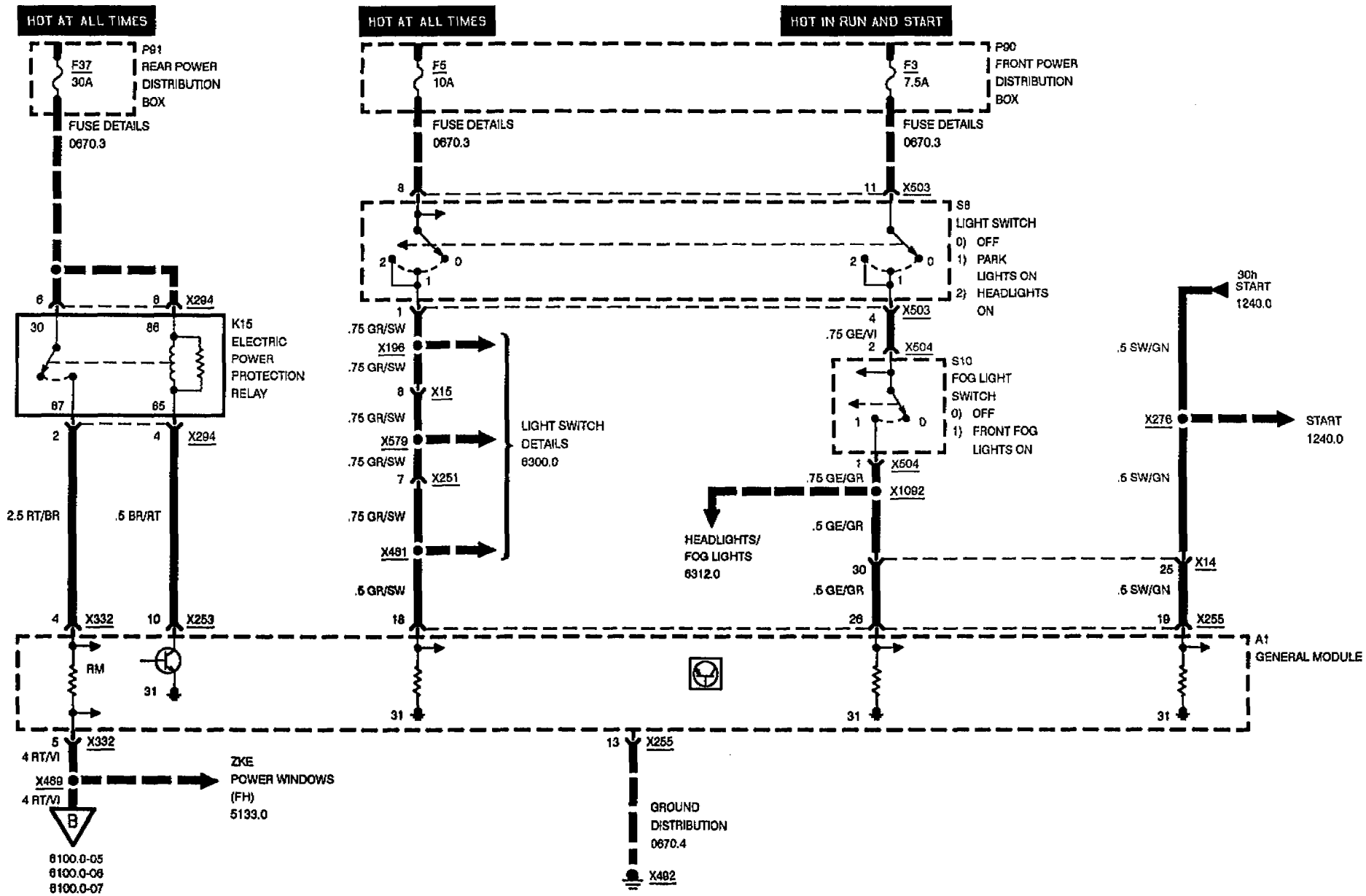
GENERAL MODULE



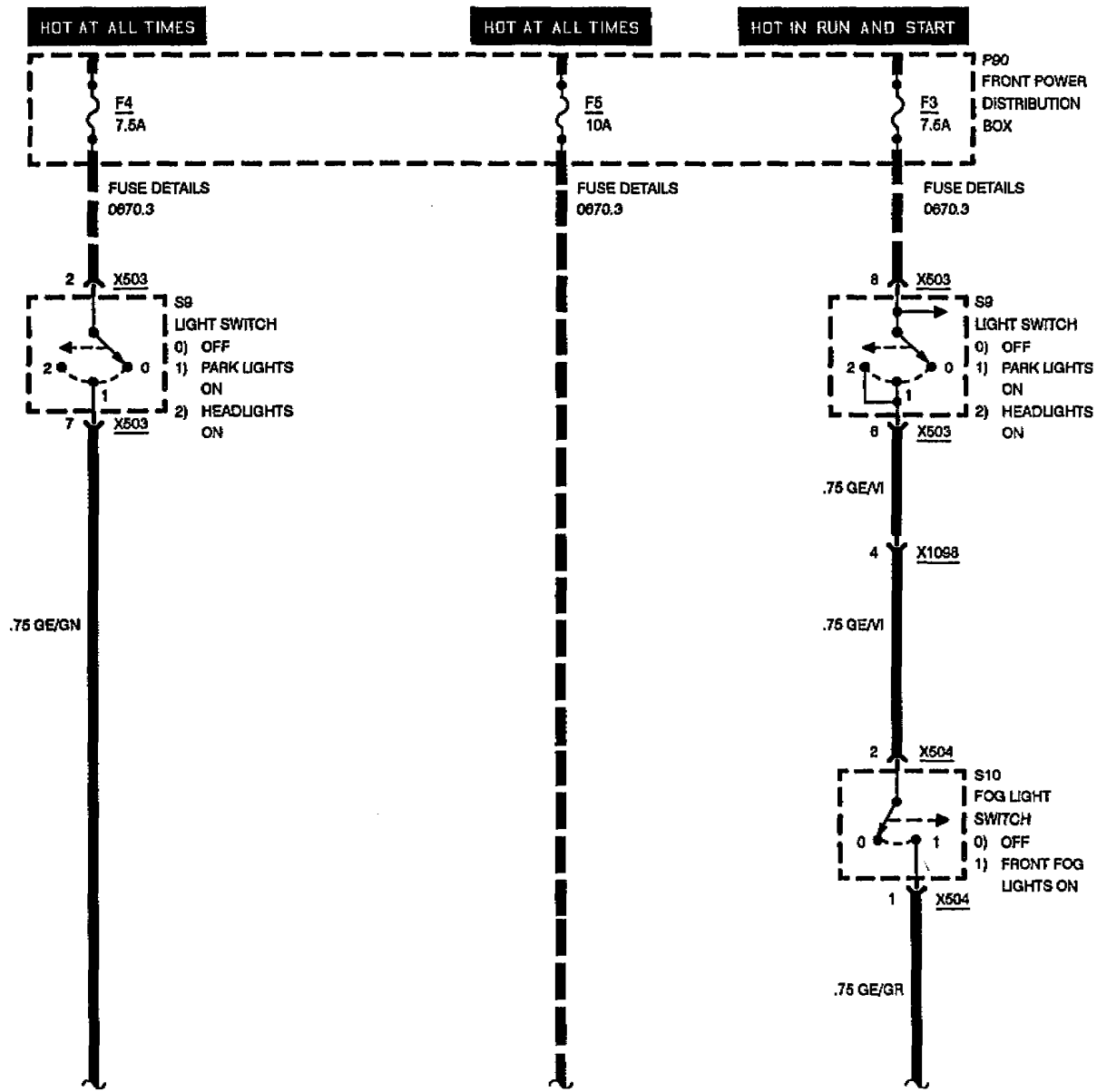
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CENTRAL BODY ELECTRONICS (ZKE)

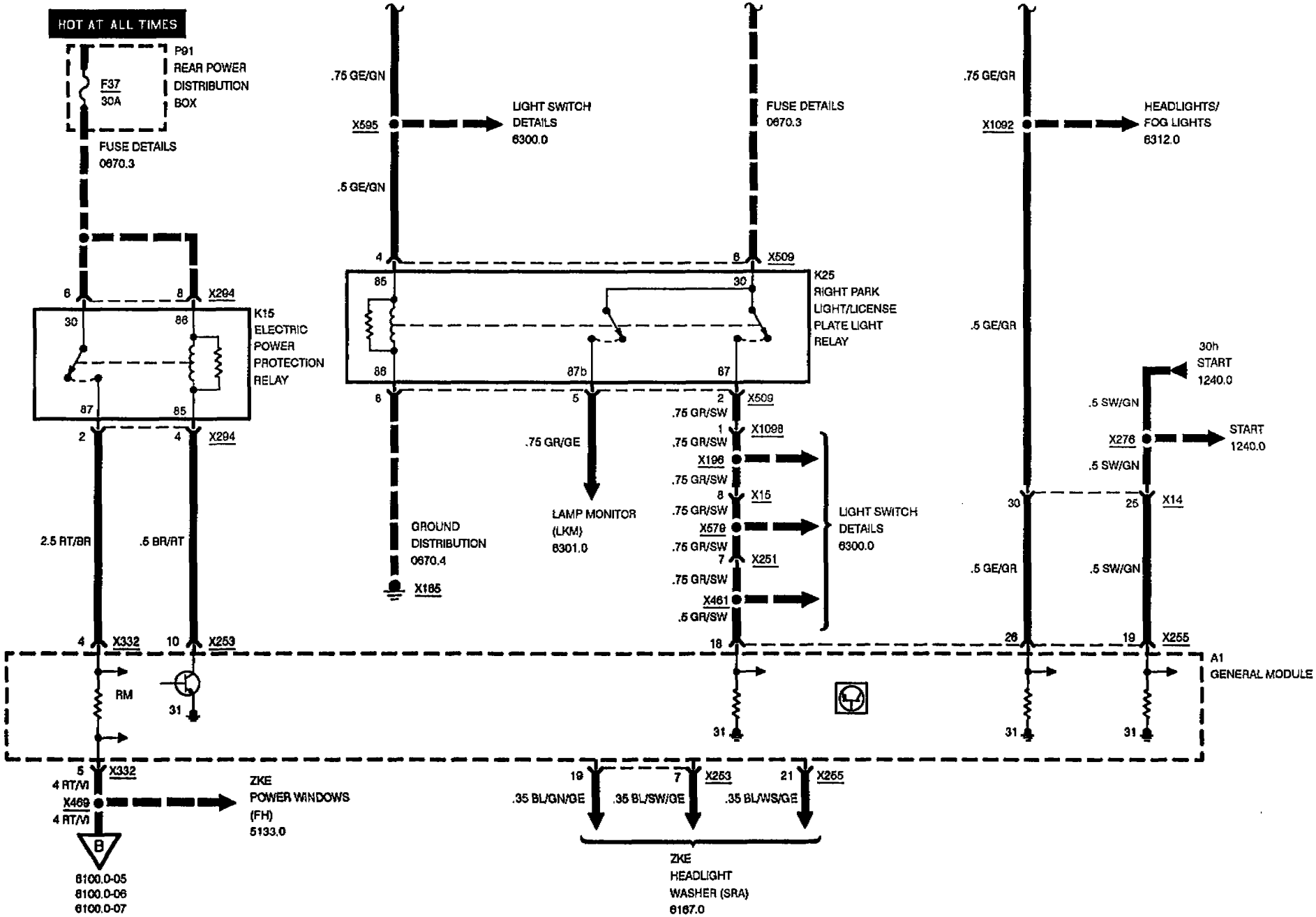
GENERAL MODULE



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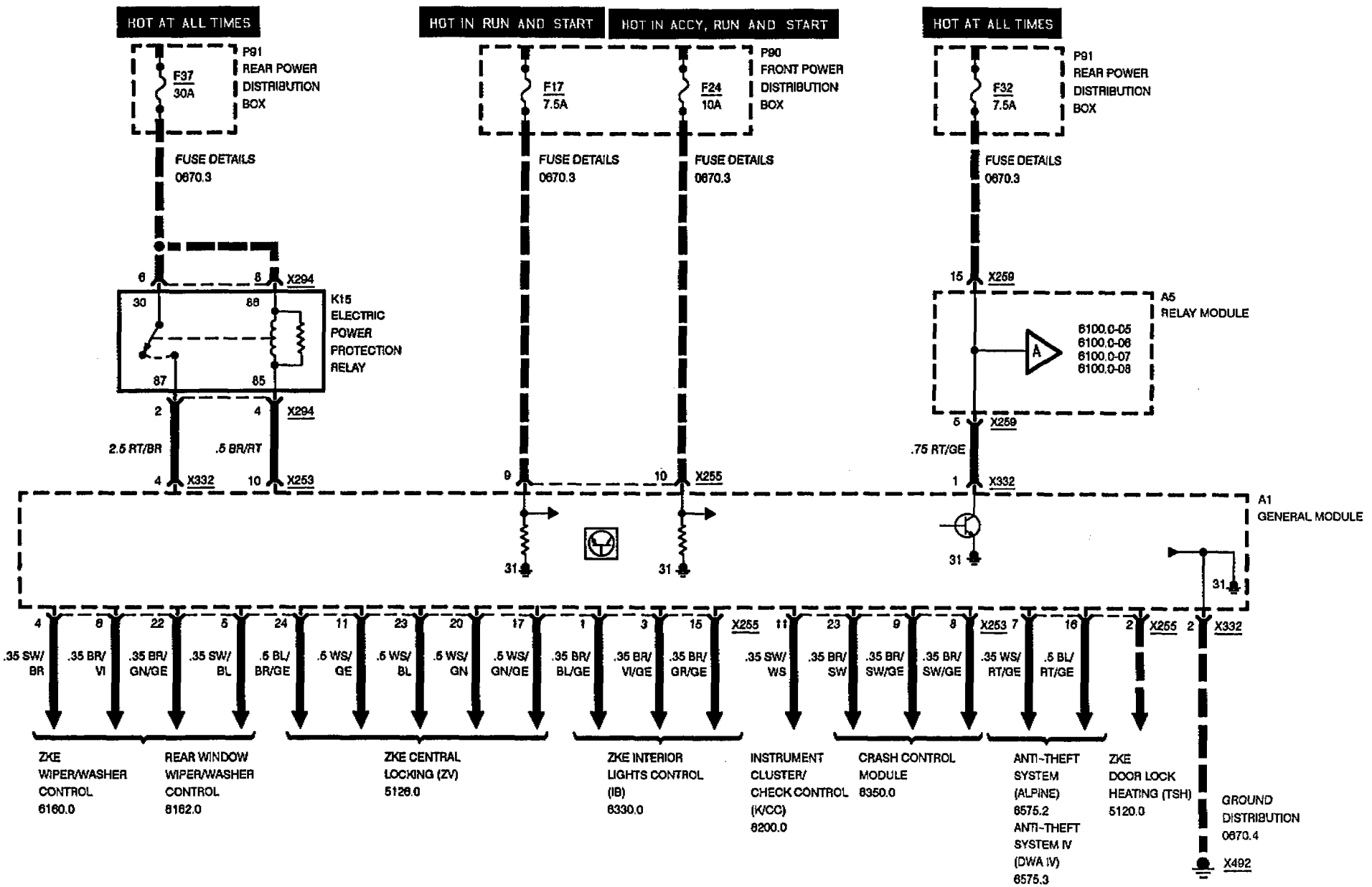
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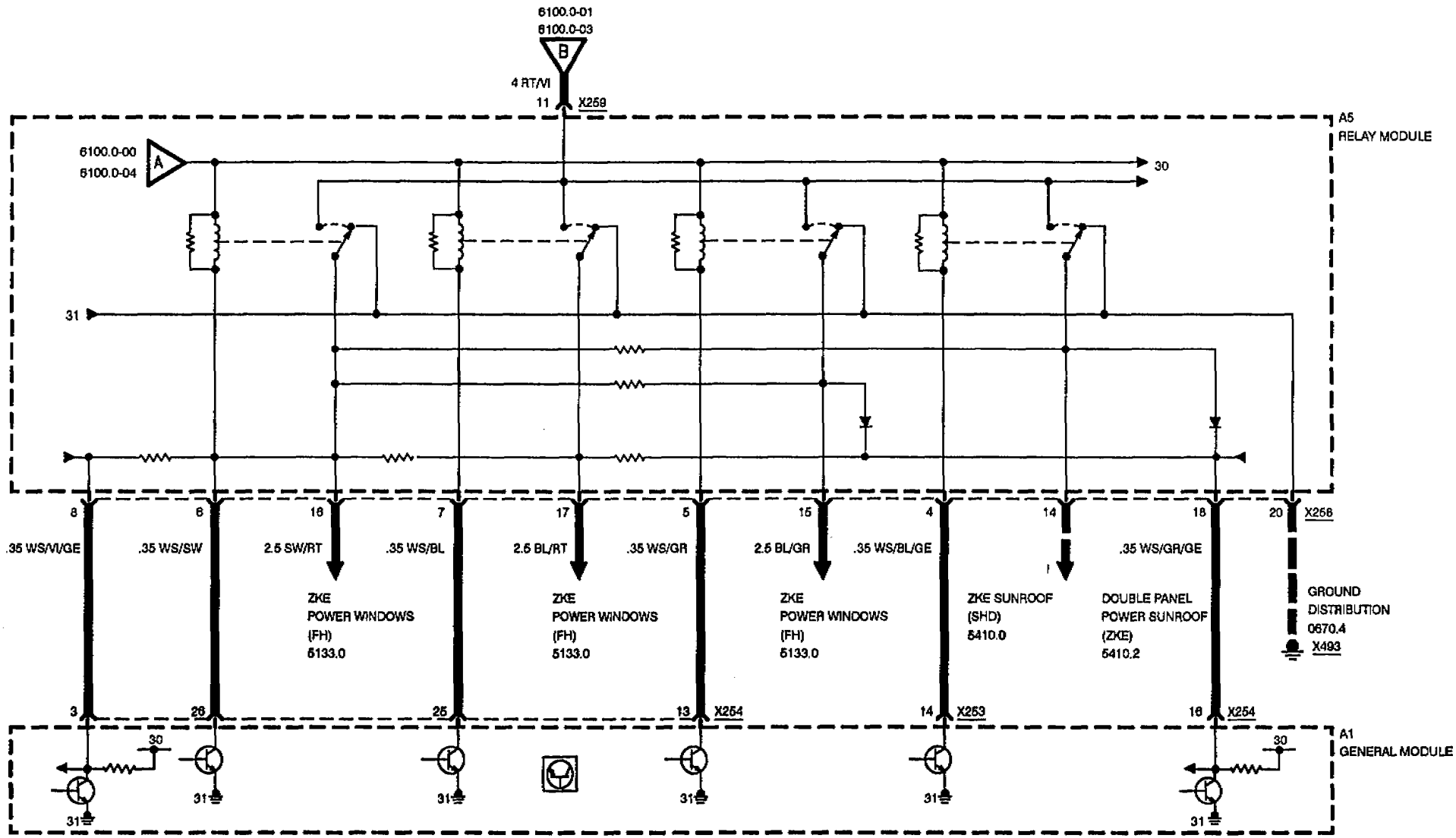
GENERAL MODULE



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CENTRAL BODY ELECTRONICS (ZKE)

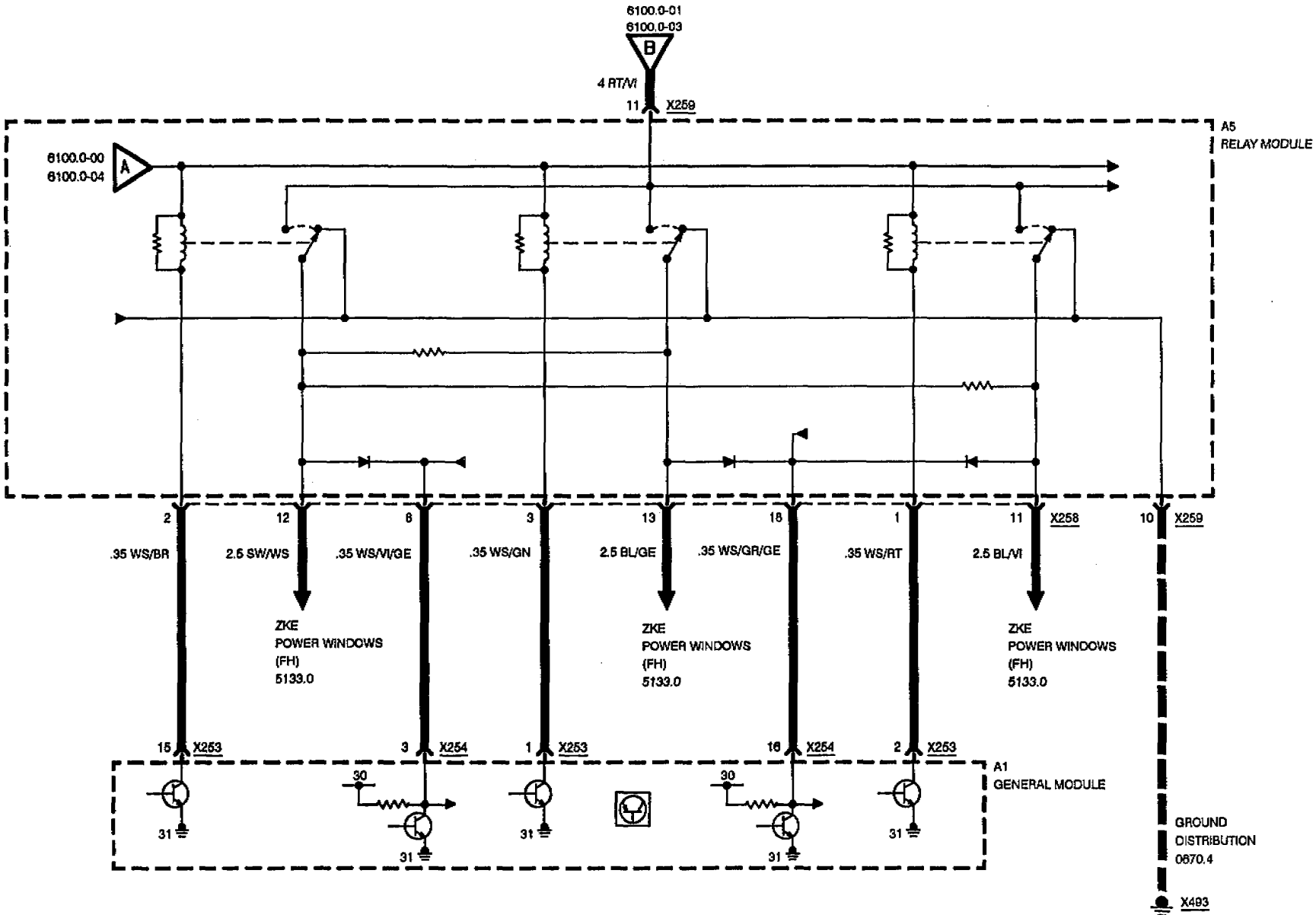
RELAY MODULE



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CENTRAL BODY ELECTRONICS (ZKE)

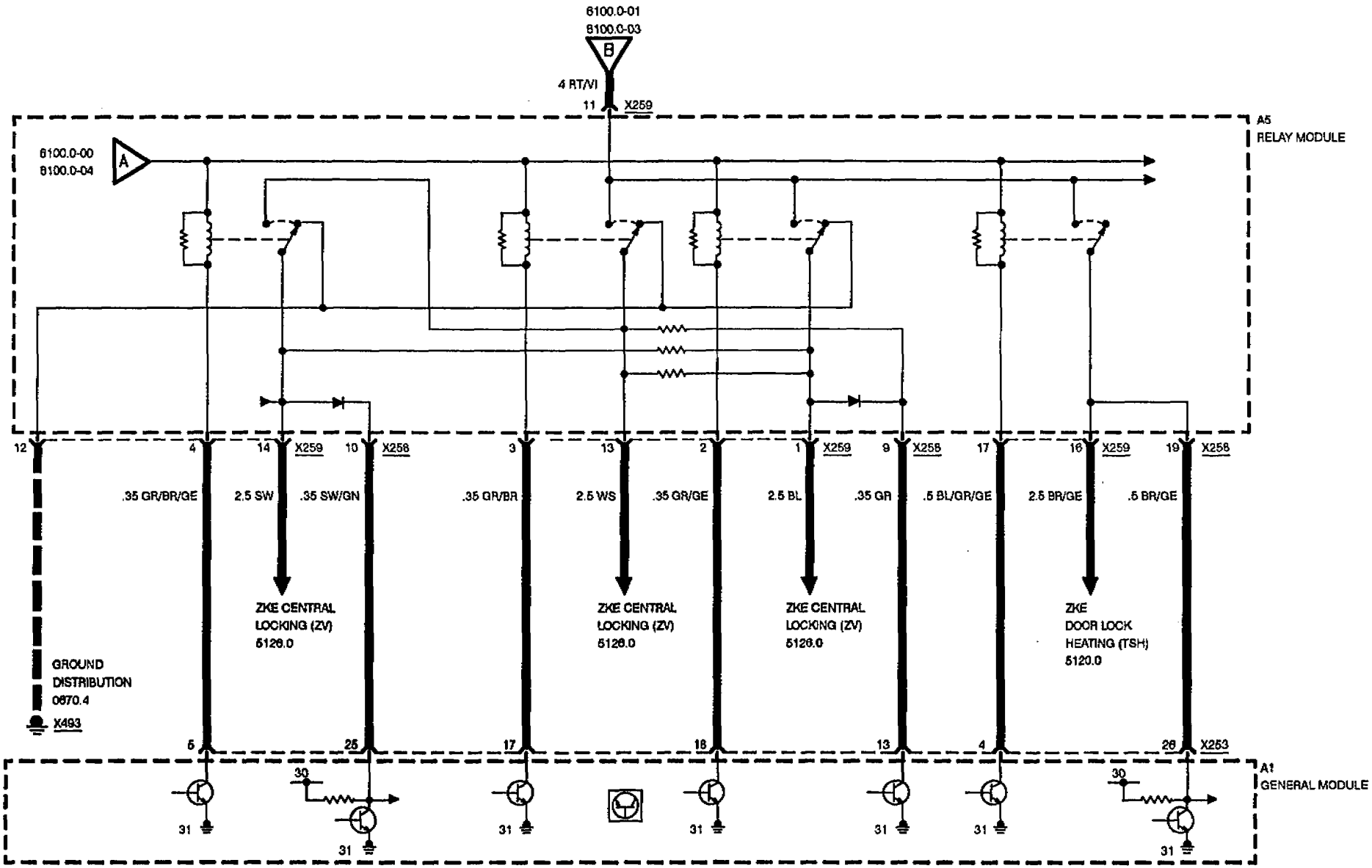
RELAY MODULE



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CENTRAL BODY ELECTRONICS (ZKE)

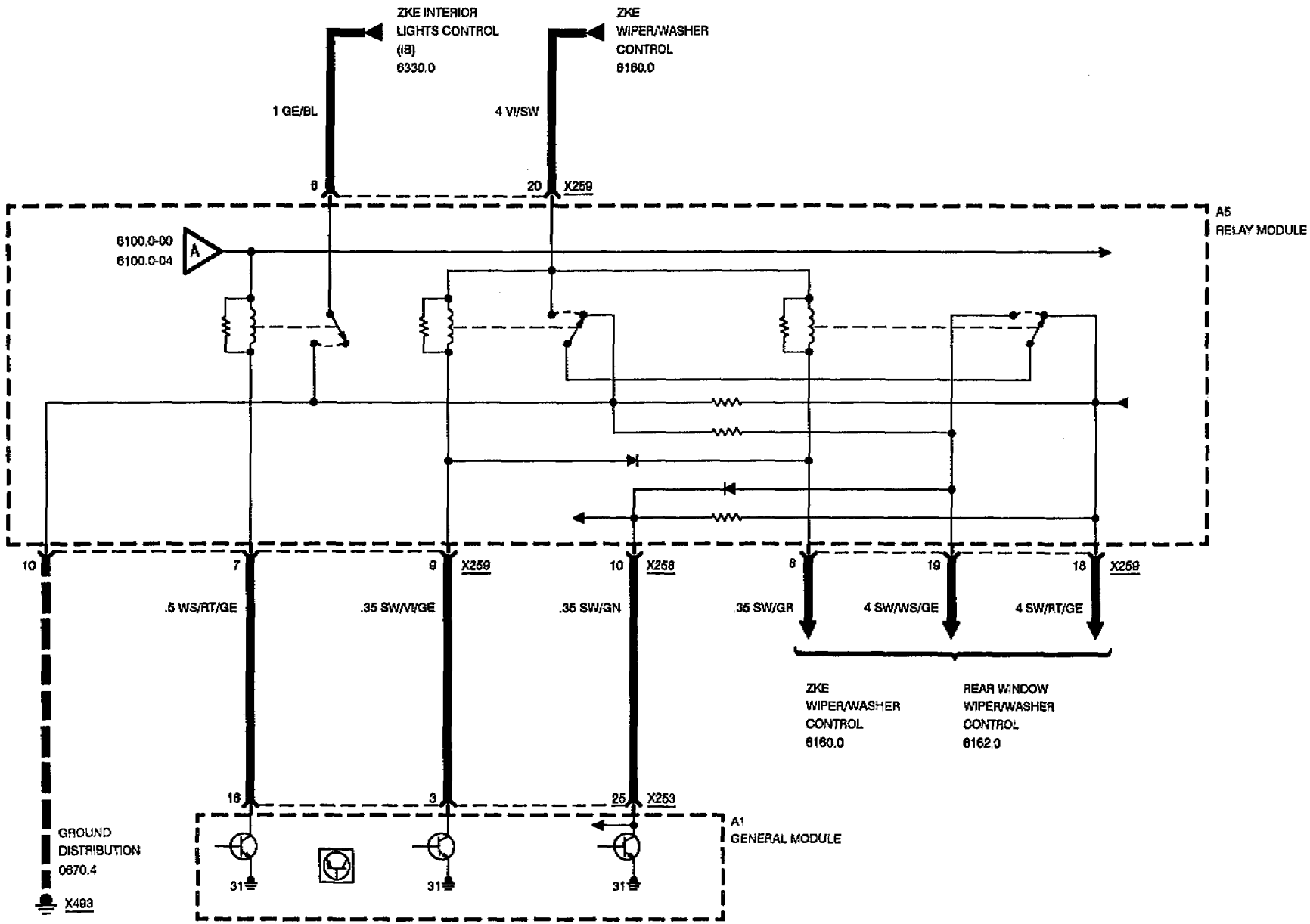
RELAY MODULE



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CENTRAL BODY ELECTRONICS (ZKE)

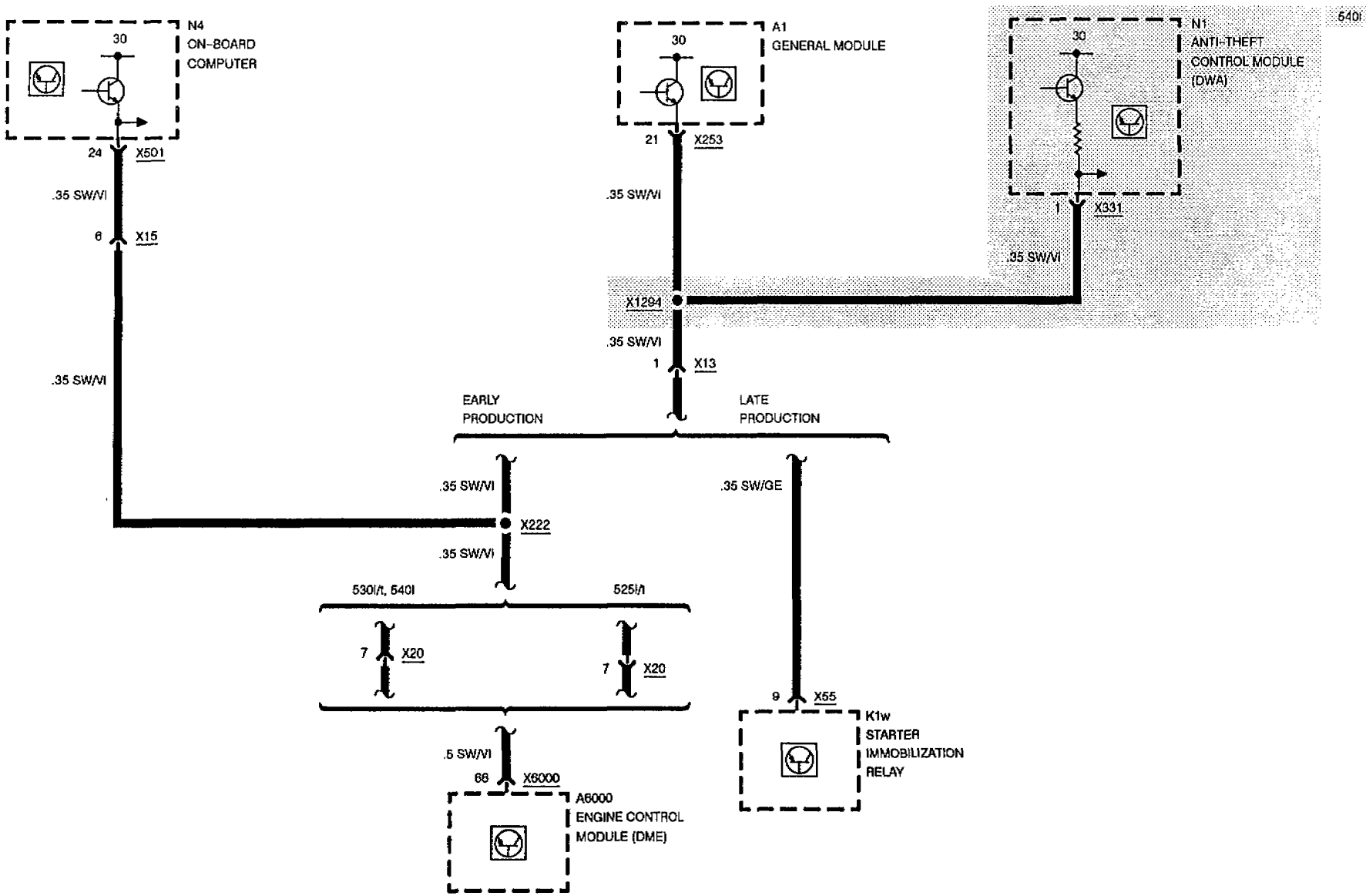
RELAY MODULE



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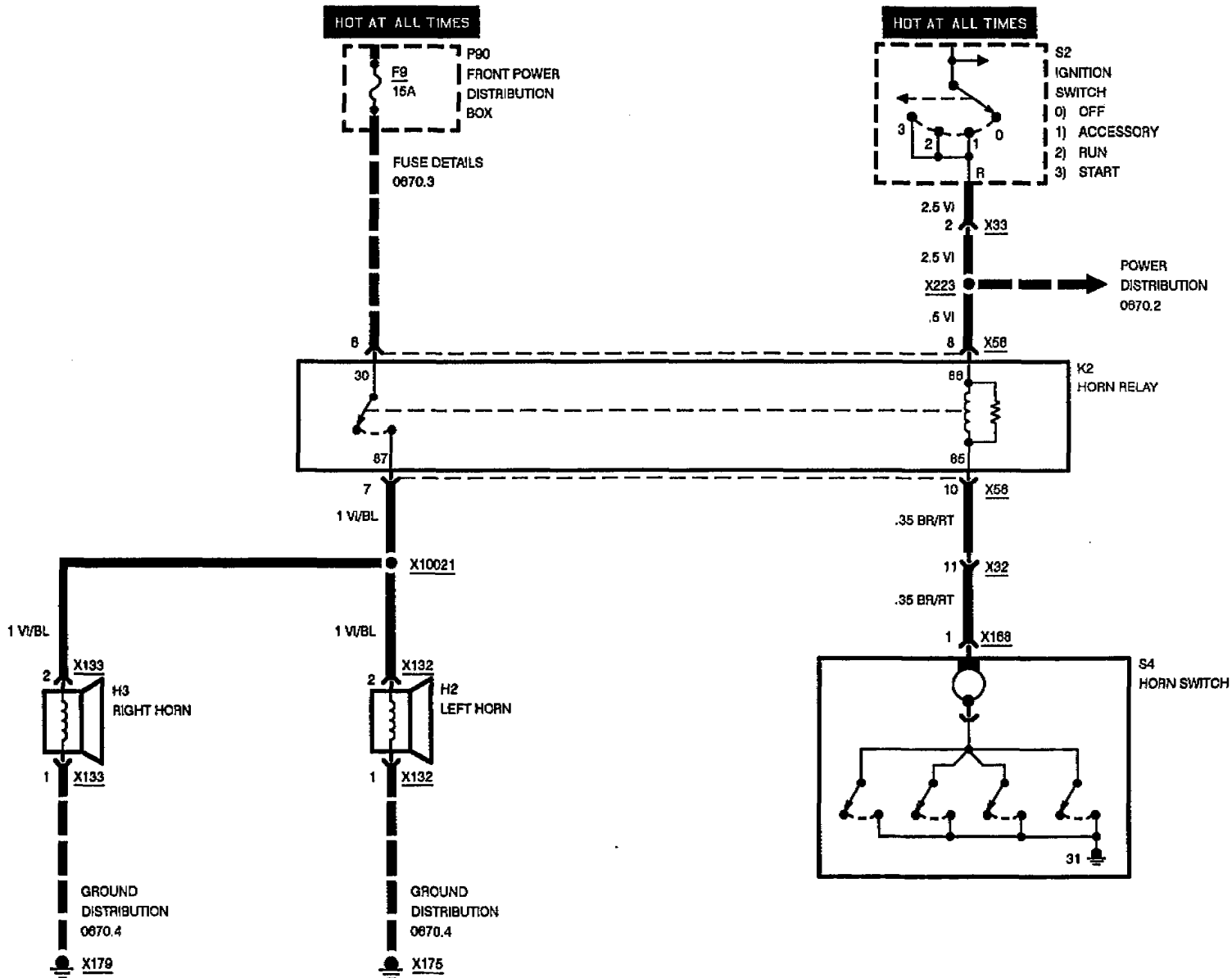
CENTRAL BODY ELECTRONICS (ZKE)

DRIVE-AWAY PROTECTION



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HORN

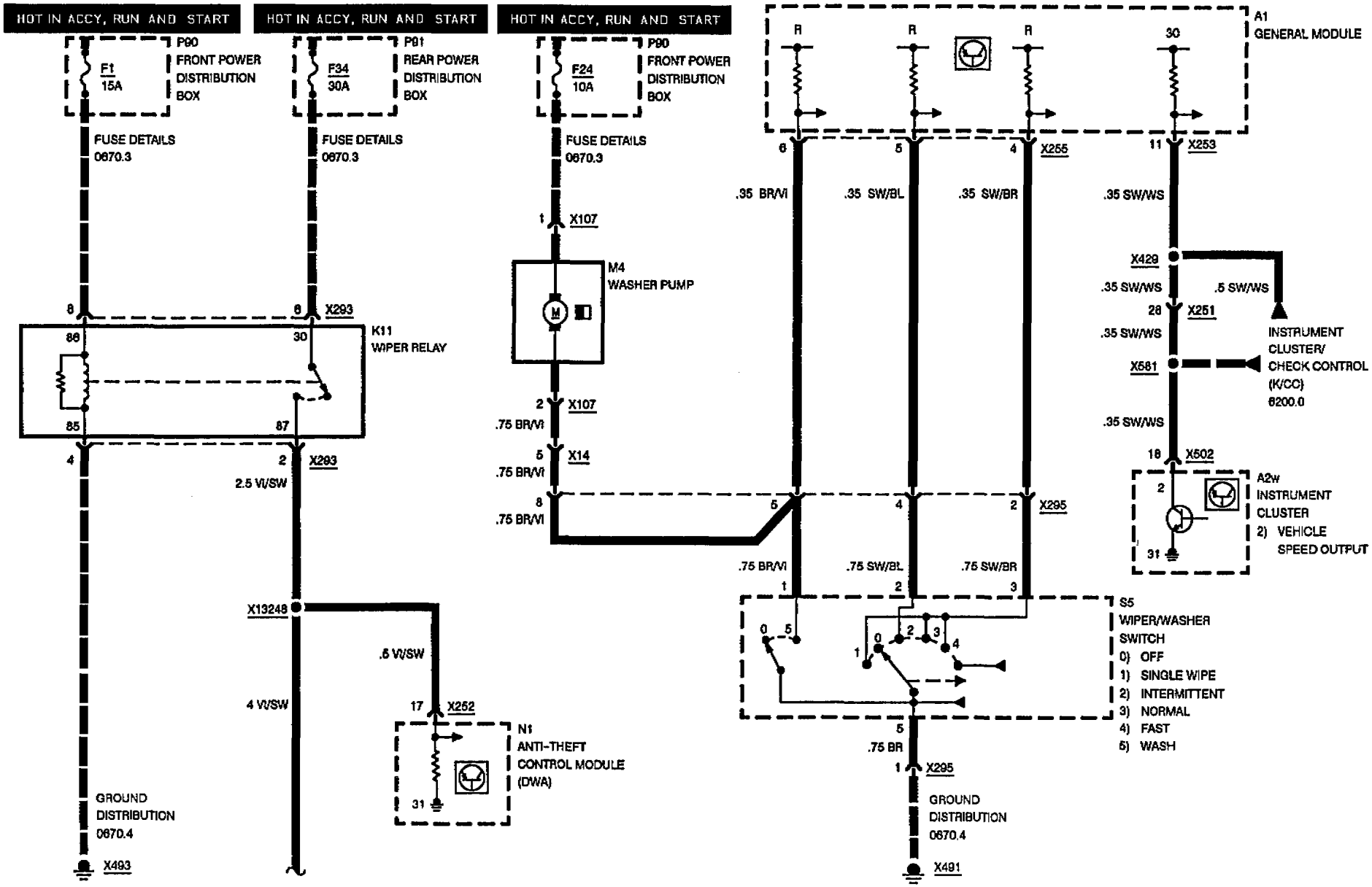


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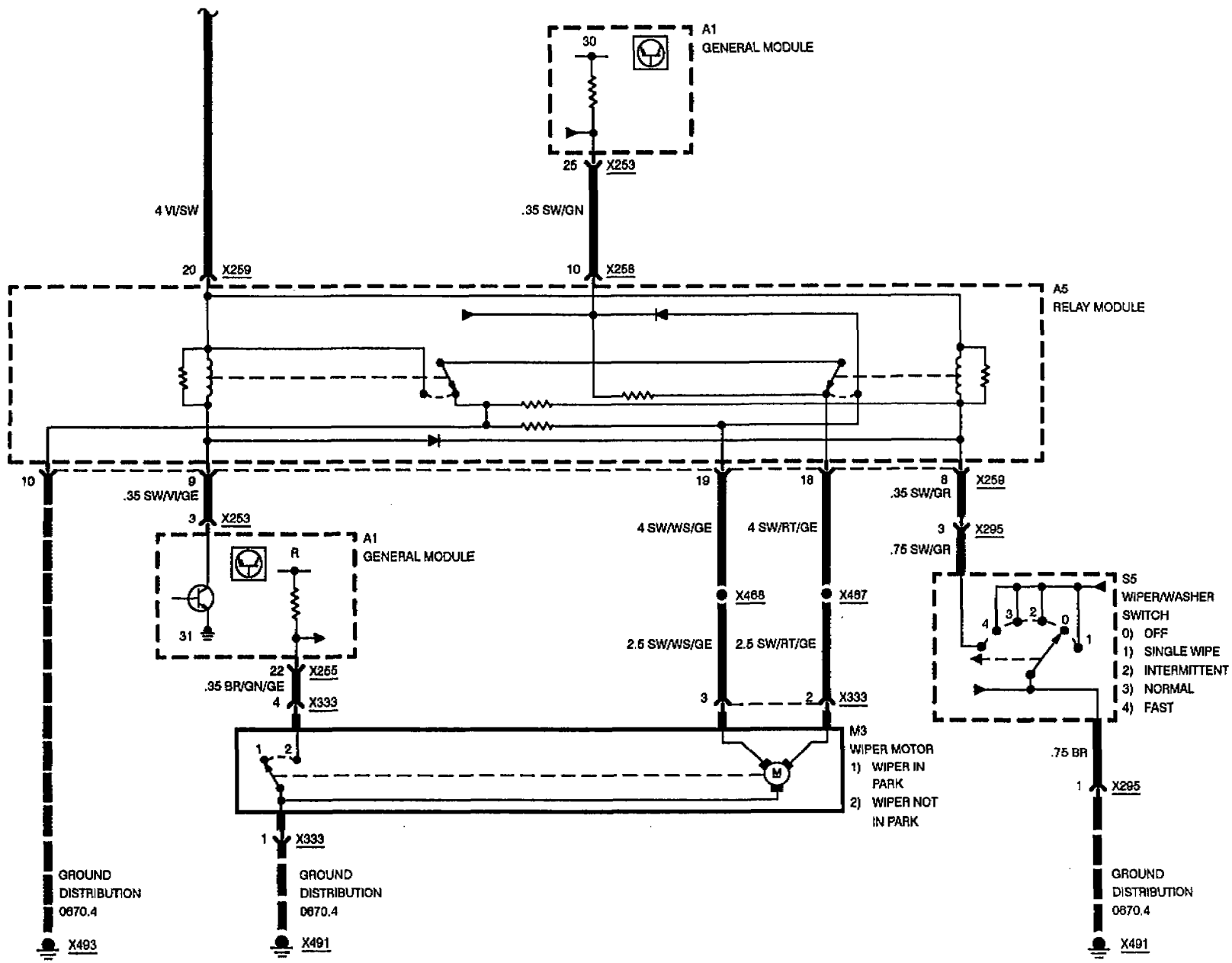
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ZKE WIPER/WASHER CONTROL

INPUT DETAILS



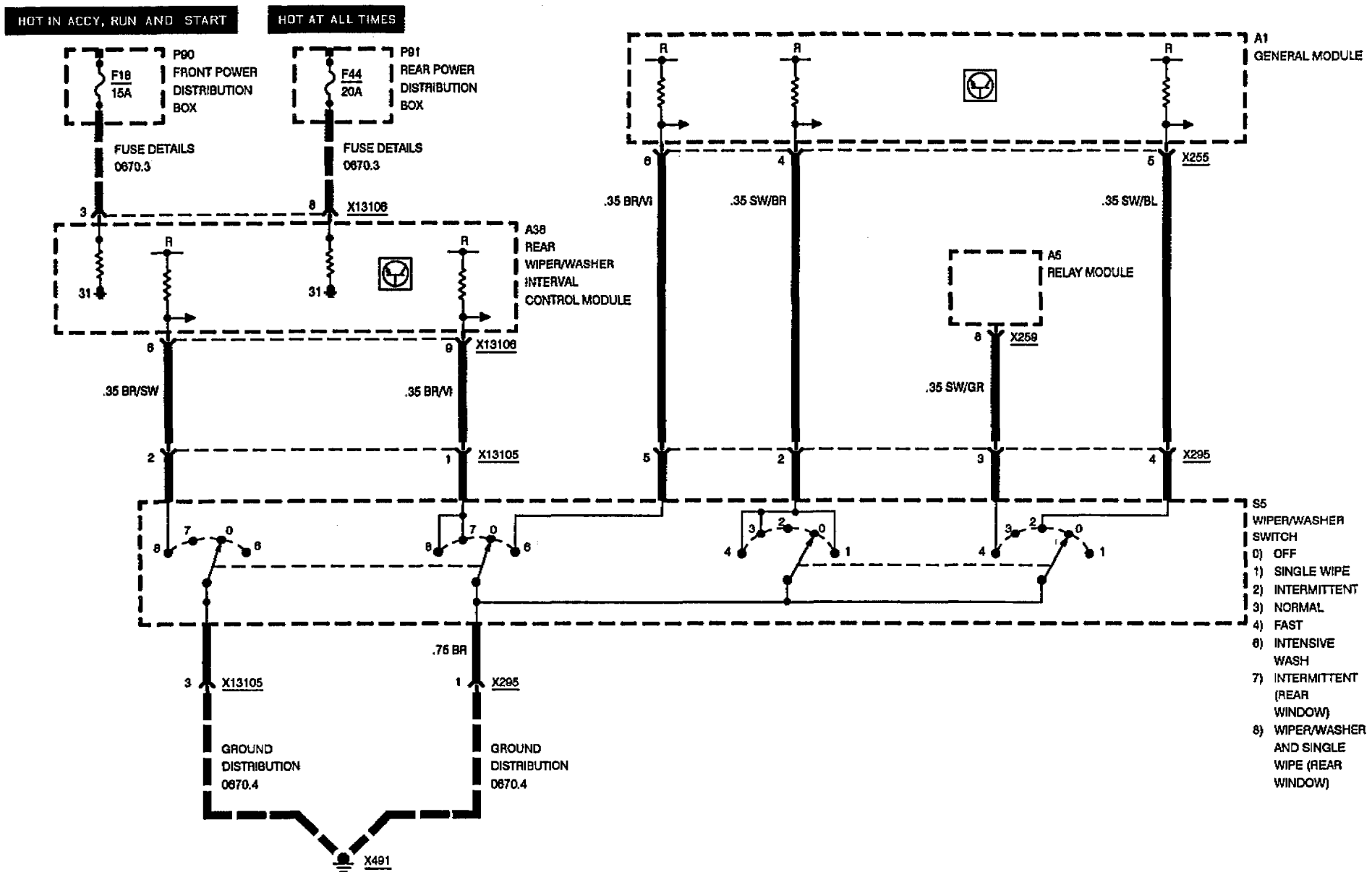
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REAR WINDOW WIPER/WASHER CONTROL

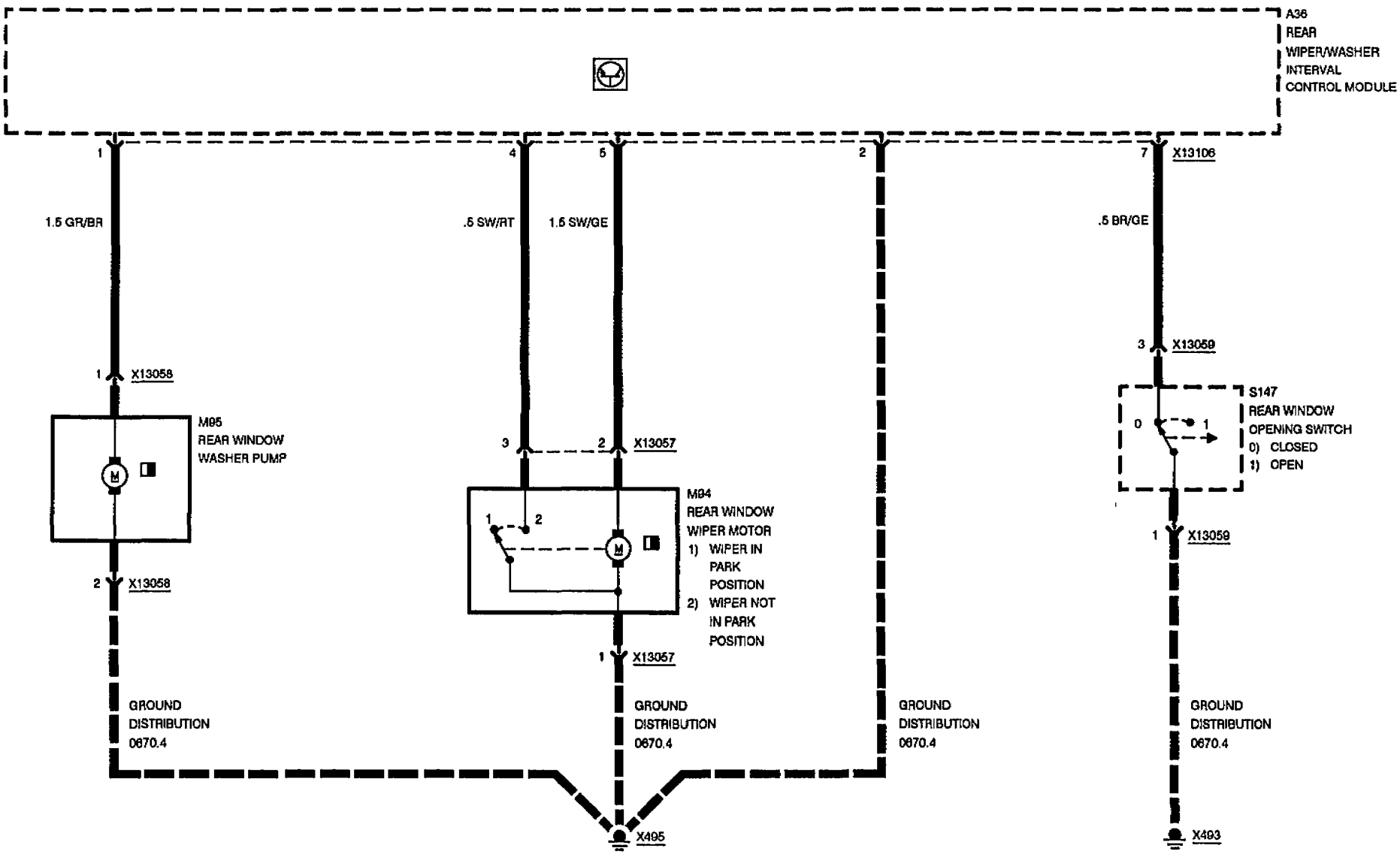
525it/530it



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REAR WINDOW WIPER/WASHER CONTROL

525it, 530it

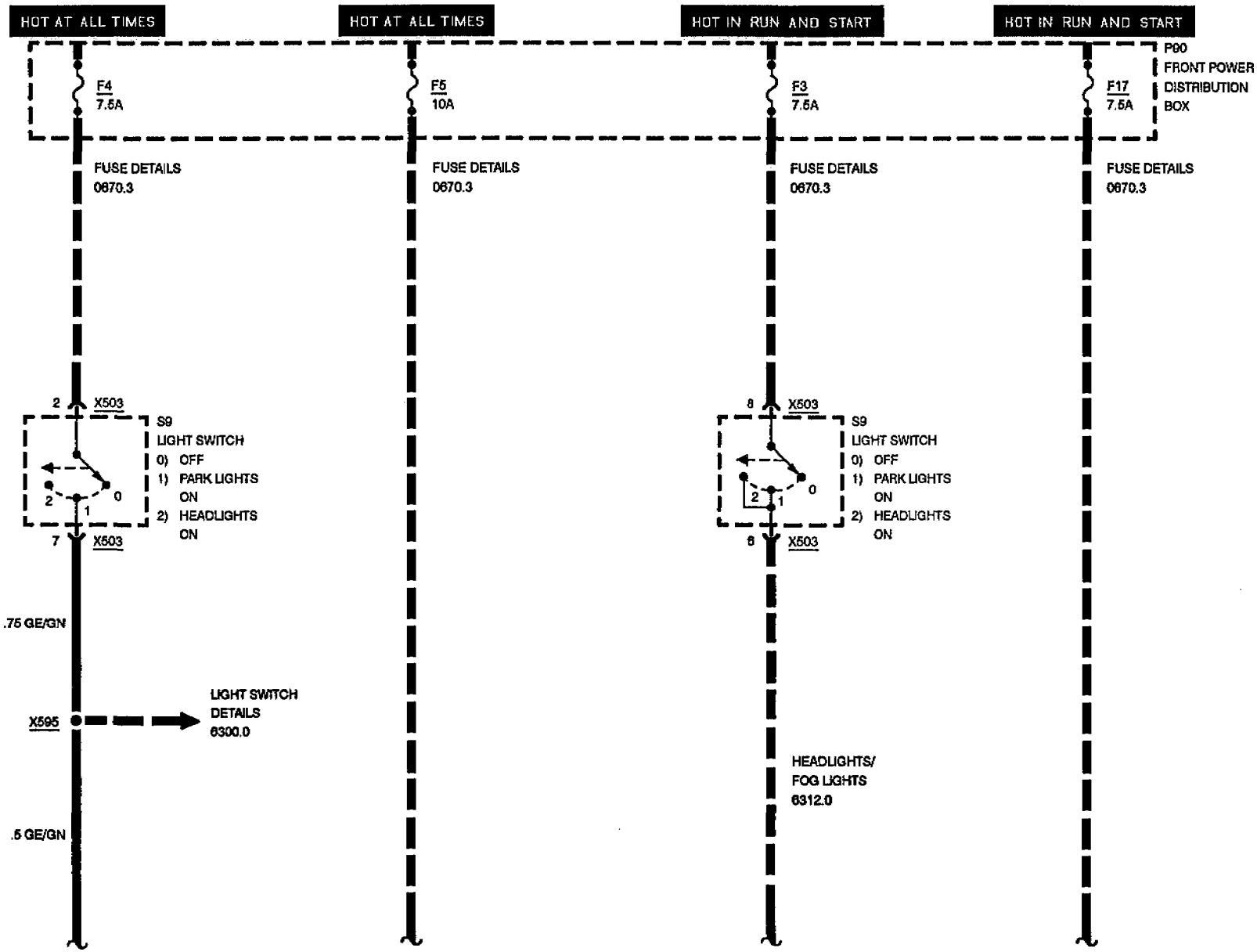


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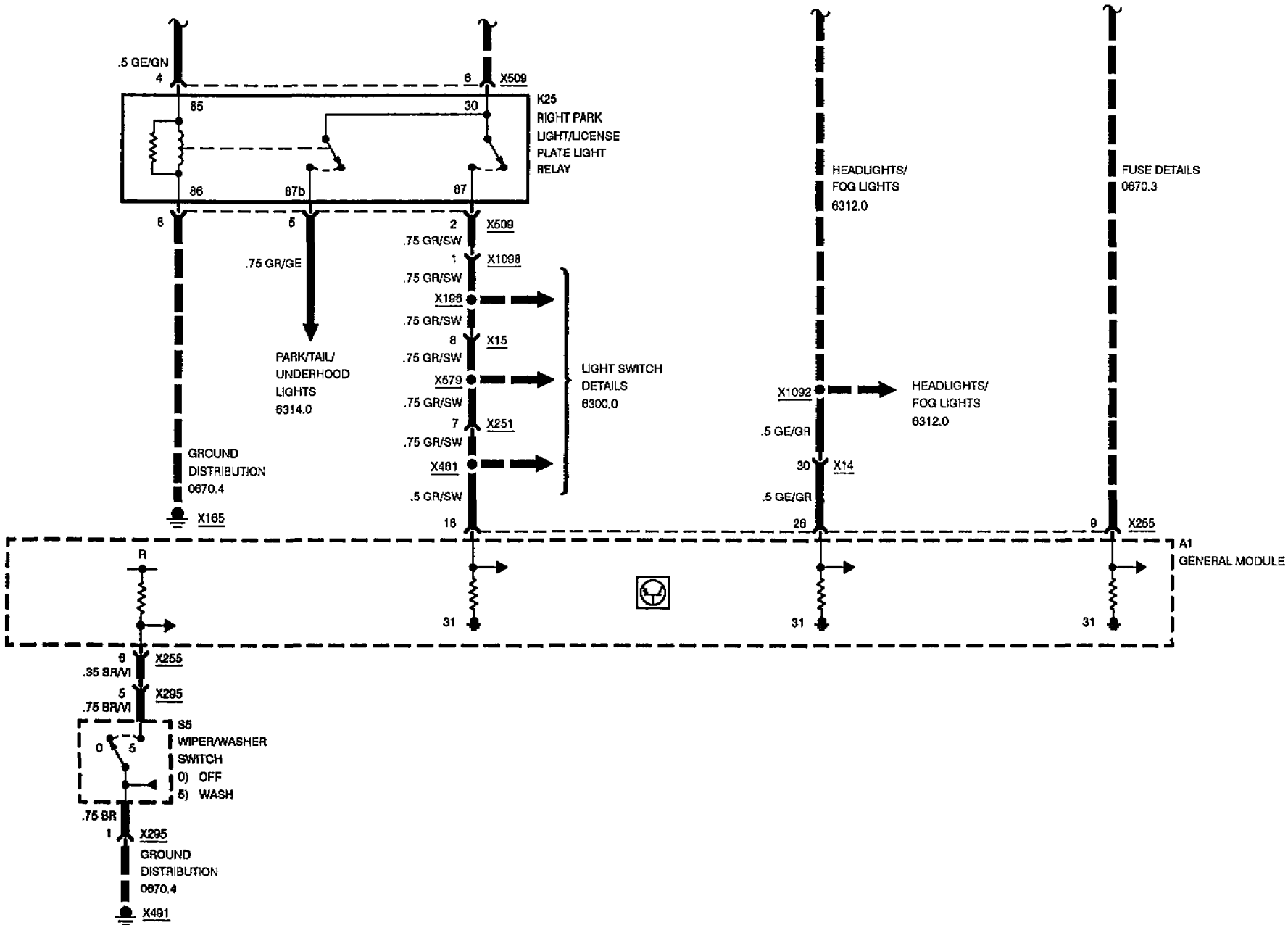
ZKE HEADLIGHT WASHER (SRA)

CDN

INPUT DETAILS



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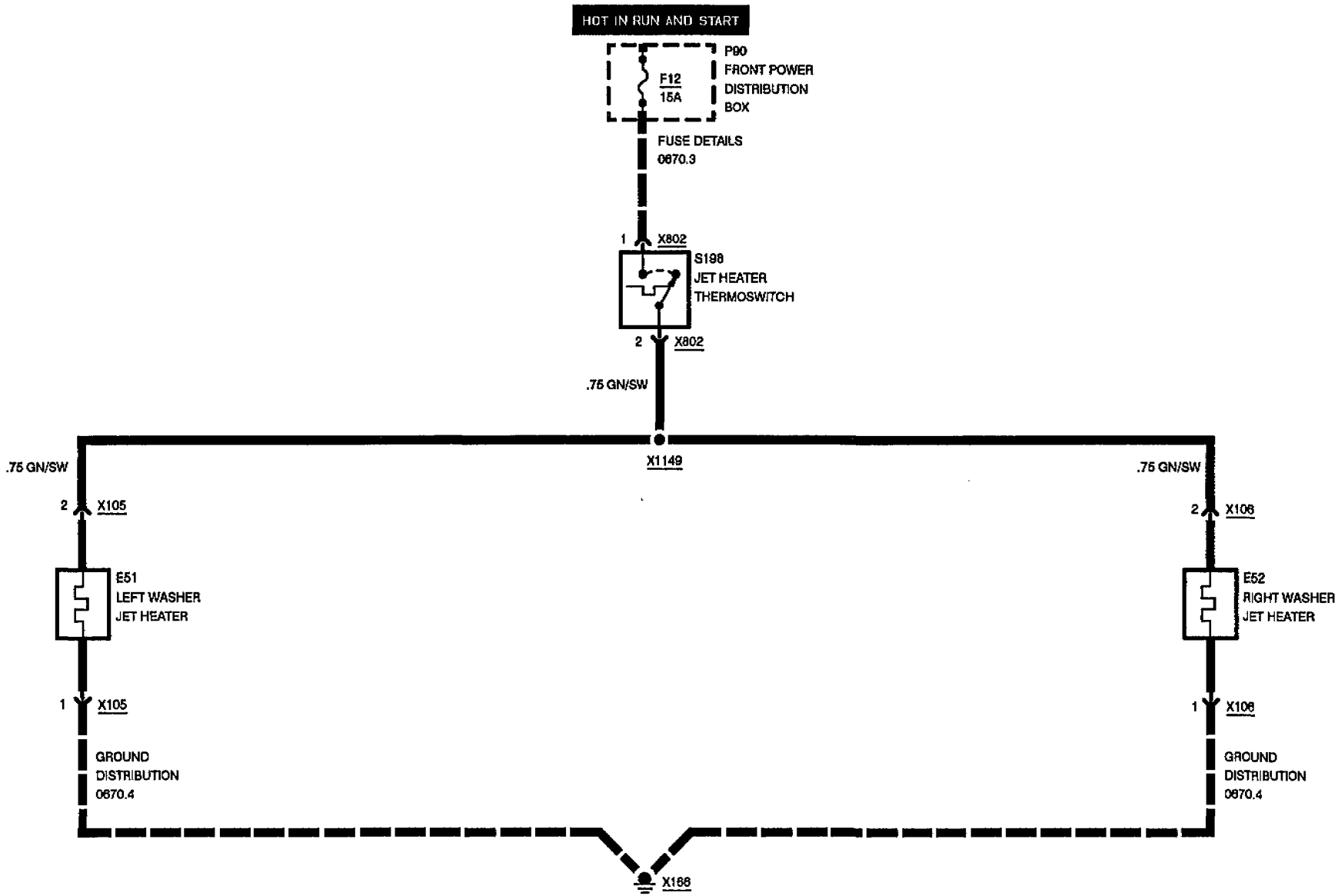


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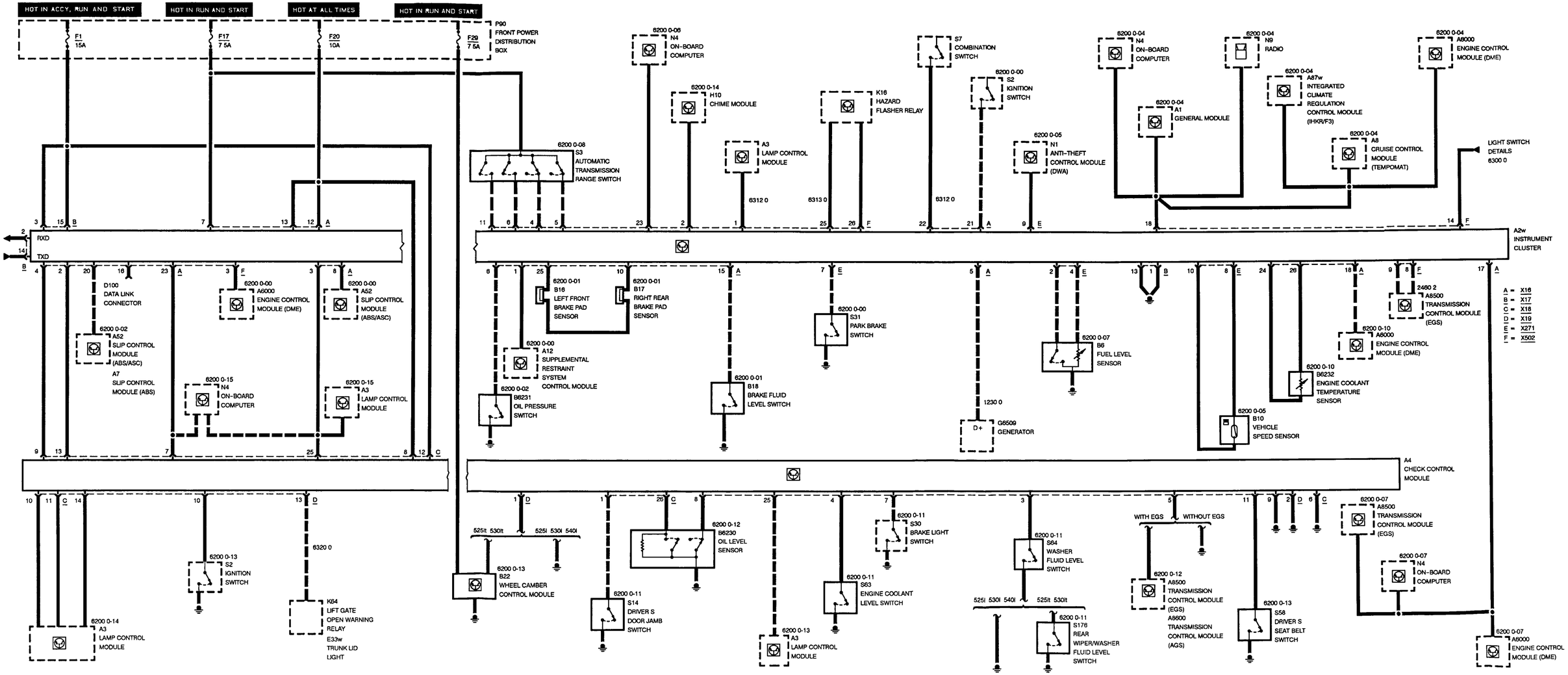
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WINDSHIELD WASHER JET HEATERS

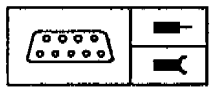


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12/94 6200 0 1994
12/94 6200 0 1994



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Pin Assignments

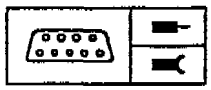
A=X16	26 Pins, beige
B=X17	24 Pins, brown
C=X18	26 Pins, blue
D=X19	26 Pins, green
E=X271	12 Pins, grey
F=X502	26 Pins, white

X16

Pin	Type	Description/Function	Connect
1	A	Airbag warning lamp (SRS) control	Supplemental restraint system control module
2	E	Data line	Check control module
3	A	Data line	Check control module, lamp control module, on-board computer and radio
4	E	Data line	Check control module
5	E	Charge indicator control	Generator
6	E	Oil pressure warning lamp control	Oil pressure switch
7	E	Terminal 15 voltage supply	Front power distribution box, fuse 17
8	E	ASC indicator control	Slip control module (ABS/ASC)
9		Not used	
10	M	Ground, brake pad signal	Brake pad sensors
11		Not used	
12	E	Terminal 30 voltage supply	Front power distribution box, fuse 20
13	E	Terminal 30 voltage supply	Front power distribution box, fuse 20
14		Not used	
15	E	Brake fluid warning lamp control	Brake fluid level switch
16	A	SIA reset/service interval indicator reset	Data link connector
17	E	ti signal for fuel economy	Engine control module (DME)
18	E	TD signal for tachometer	Engine control module (DME)
19		Not used	
20	E	Antilock brake system warning lamp (ABS) control	ABS electronic control module or slip control module (ABS/ASC)

E = Input, A = Output, M = Ground

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Pin Assignments

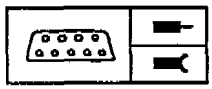
Pin	Type	Description/Function	Connect
21	E	Airbag warning lamp (SRS) control	Ignition switch, terminal R
22	E	High beam indicator control	Combination switch
23	A	Data line	Check control module, on-board computer and radio
24	M	Engine coolant temperature sensor ground	Engine coolant temperature sensor
25	E	Brake pad wear warning lamp control	Brake pad sensors
26	E	Temperature gauge signal	Engine coolant temperature sensor

X17

Pin	Type	Description/Function	Connect
1	M	Ground	Ground point
2	E	RxD diagnostic data link	Data link connector
3	E	Terminal R voltage supply	Front power distribution box, fuse 1
4		Cluster programming	NV-RAM
5		Cluster programming	NV-RAM
6		Cluster programming	NV-RAM
7		Cluster programming	NV-RAM
8		Cluster programming	NV-RAM
9		Cluster programming	NV-RAM
10		Cluster programming	NV-RAM
11		Cluster programming	NV-RAM
12		Cluster programming	NV-RAM
13	M	Ground	Ground point
14	E/A	TxD diagnostic data link	Data link connector
15	E	Terminal R voltage supply	Front power distribution box, fuse 1
16		Cluster programming	NV-RAM
17		Cluster programming	NV-RAM
18		Cluster programming	NV-RAM
19		Cluster programming	NV-RAM
20		Cluster programming	NV-RAM
21		Cluster programming	NV-RAM

E = Input, A = Output, M = Ground

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Pin Assignments

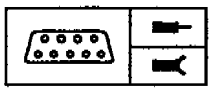
Pin	Type	Description/Function	Connect
22		Cluster programming	NV-RAM
23		Cluster programming	NV-RAM
24		Cluster programming	NV-RAM

X18

Pin	Type	Description/Function	Connect
1	E	Door open signal	Door jamp switch, driver's
2		Not used	
3		Not used	
4		Not used	
5		Not used	
6	M	Ground, control module	Ground point
7		Data line	Instrument cluster, on-board computer and radio
8	E	Terminal 30 voltage supply	Front power distribution box, fuse 20
9	A	Data line	Instrument cluster
10	E	Data line	Lamp control module
11	E	Data line	Lamp control module
12	E	Terminal R voltage supply	Front power distribution box, fuse 1
13	A	Data line	Instrument cluster
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	

E = Input, A = Output, M = Ground

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Pin Assignments

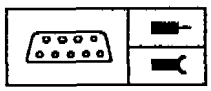
Pin	Type	Description/Function	Connect
25	E	Data line	Instrument cluster, on-board computer, lamp control module and radio
26	E	Oil level signal	Oil level sensor

X19

Pin	Type	Description/Function	Connect
1	M	Ground (525i, 530i, 540i)	Ground point
	E	Wheel camber signal (525it, 530it)	Wheel camber control module
2	M	Ground, control module	Ground point
3	E	Washer fluid level signal	Washer fluid level switch
4	E	Engine coolant level signal	Engine coolant level switch
5	M	Ground (without EGS)	Ground point
	E	EGS fault signal (with EGS)	Transmission control module (EGS)
6		Not used	
7	E	Brake pedal status	Brake light switch
8	E	Oil level signal	Oil level sensor
9	M	Ground	Ground point
10	E	Ignition switch status	Ignition switch
11	E	Seat belt status	Seat belt switch, driver's
12		Not used	
13	E	Lift gate open signal (525it, 530it)	Lift gate open switch
14	E	Data line	Lamp control module
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	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connect
25		Light switch ON signal	Lamp control module
26		Not used	

X271

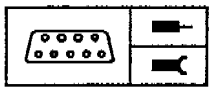
Pin	Type	Description/Function	Connect
1		Not used	
2	E	Fuel level warning signal	Fuel tank sensor
3		Not used	
4	E	Fuel level signal	Fuel tank sensor
5		Not used	
6		Not used	
7	E	Park brake warning lamp control	Park brake switch
8	E	Vehicle speed input (+)	Vehicle speed sensor
9	A	Impulse path	Anti-theft control module (DWA)
10	E	Vehicle speed input (-)	Vehicle speed sensor
11		Not used	
12		Not used	

X502

Pin	Type	Description/Function	Connect
1	E	Fog light indicator control	Lamp control module
2	A	Sound tone signal	Chime module
3	E	"Check engine" indicator control	Engine control module (DME)
4	E	Gear range signal	Automatic transmission range switch (L2)
5	E	Gear range signal	Automatic transmission range switch (L1)
6	E	Gear range signal	Automatic transmission range switch (L3)
7		Not used	
8	E	Transmission mode signal	Transmission control module (EGS)
9	E	Transmission mode signal	Transmission control module (EGS)
10		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connect
11	E	Gear range signal	Automatic tansmission range switch (L4)
12		Not used	
13		Not used	
14	E	Terminal 58g, instrument illumination power	Dimmer
15		Not used	
16		Not used	
17		Not used	
18	A	Vehicle speed signal	Various control modules
19		Not used	
20		Not used	
21		Not used	
22		Not used	
23	A	Check control reset signal	On-board computer
24		Not used	
25	E	Left turn signal indicator control	Hazard flasher relay
26	E	Right turn signal indicator control	Hazard flasher relay

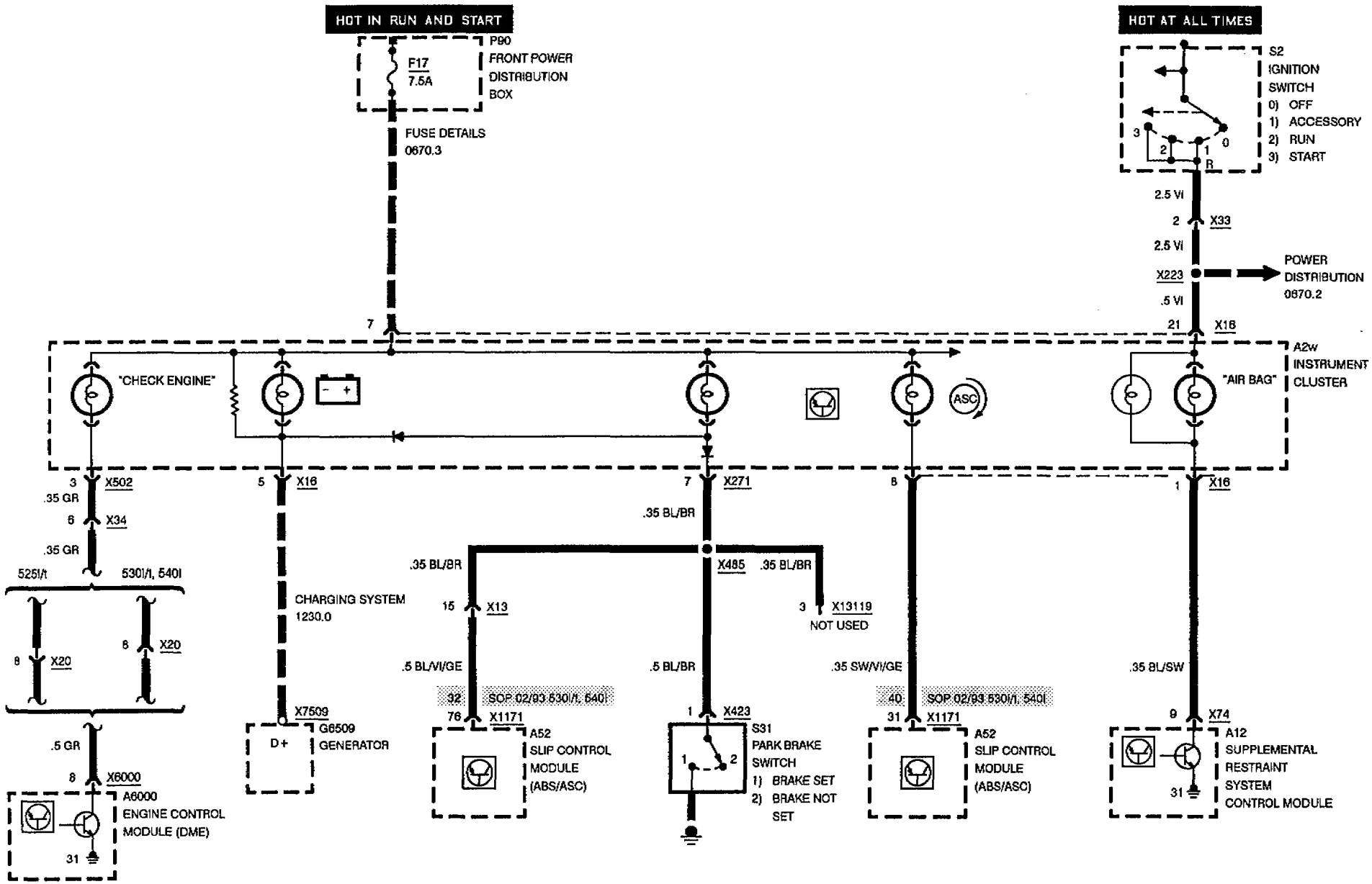
E = Input, A = Output, M = Ground

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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

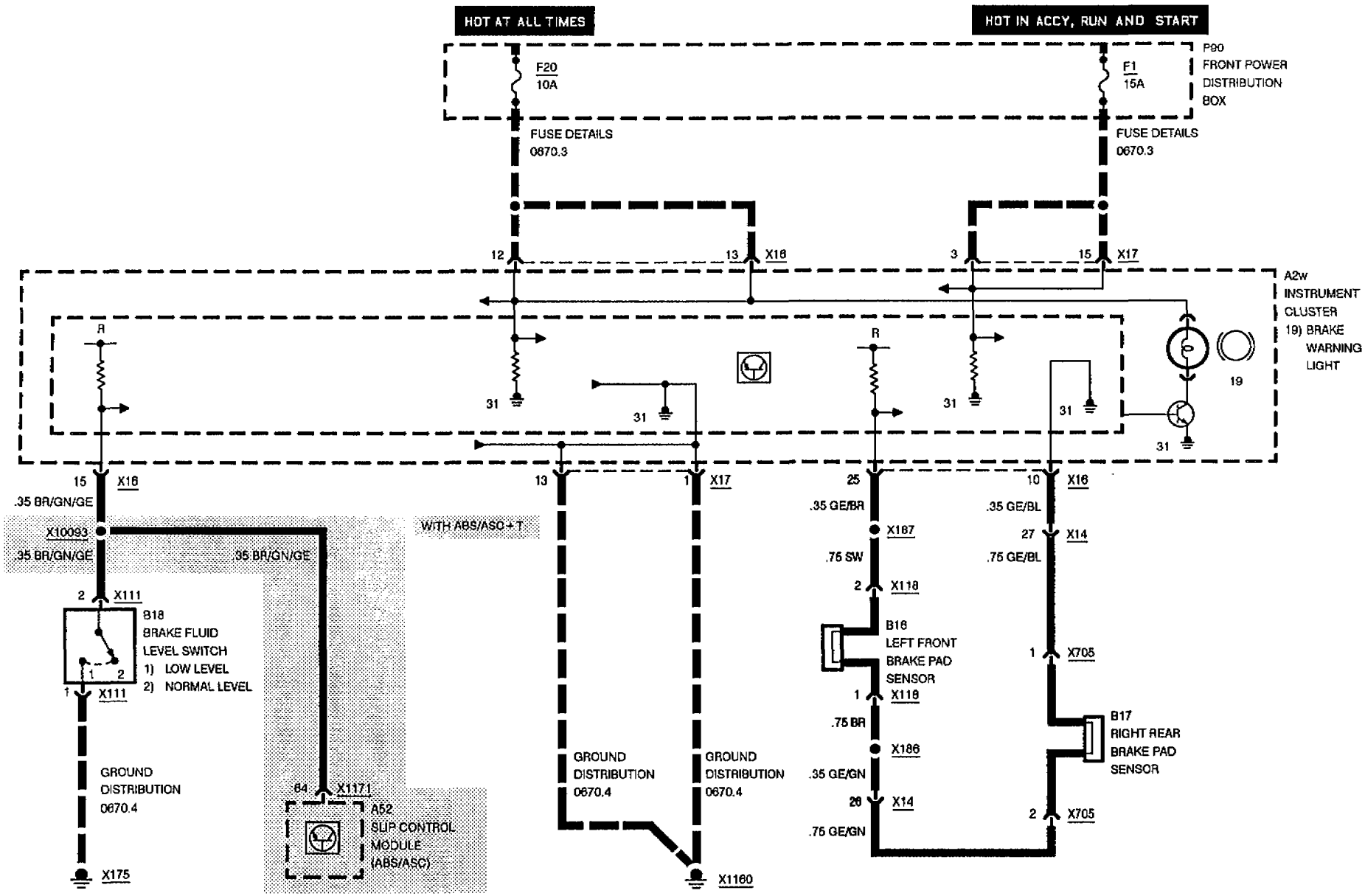
INDICATORS



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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

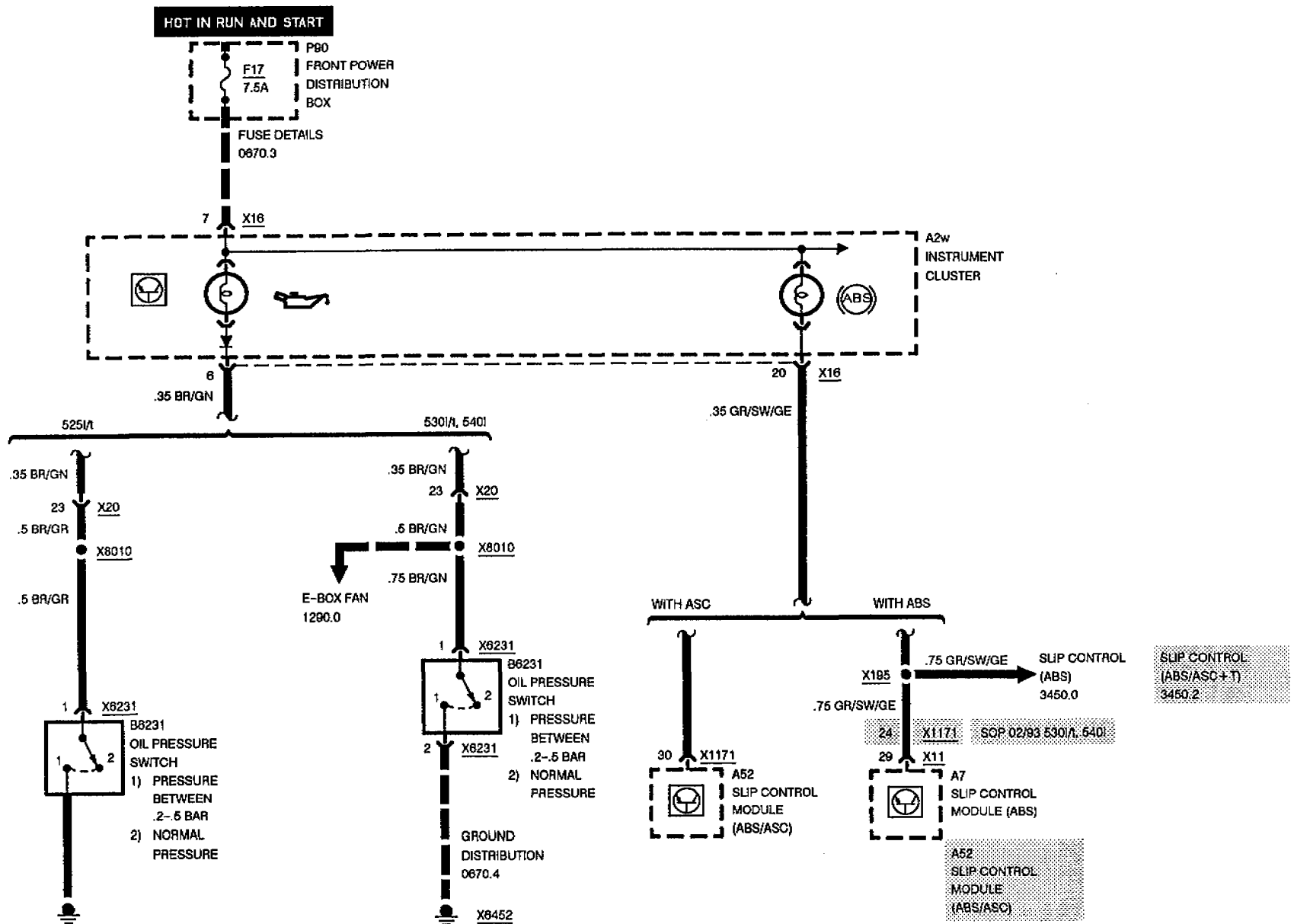
INDICATORS



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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

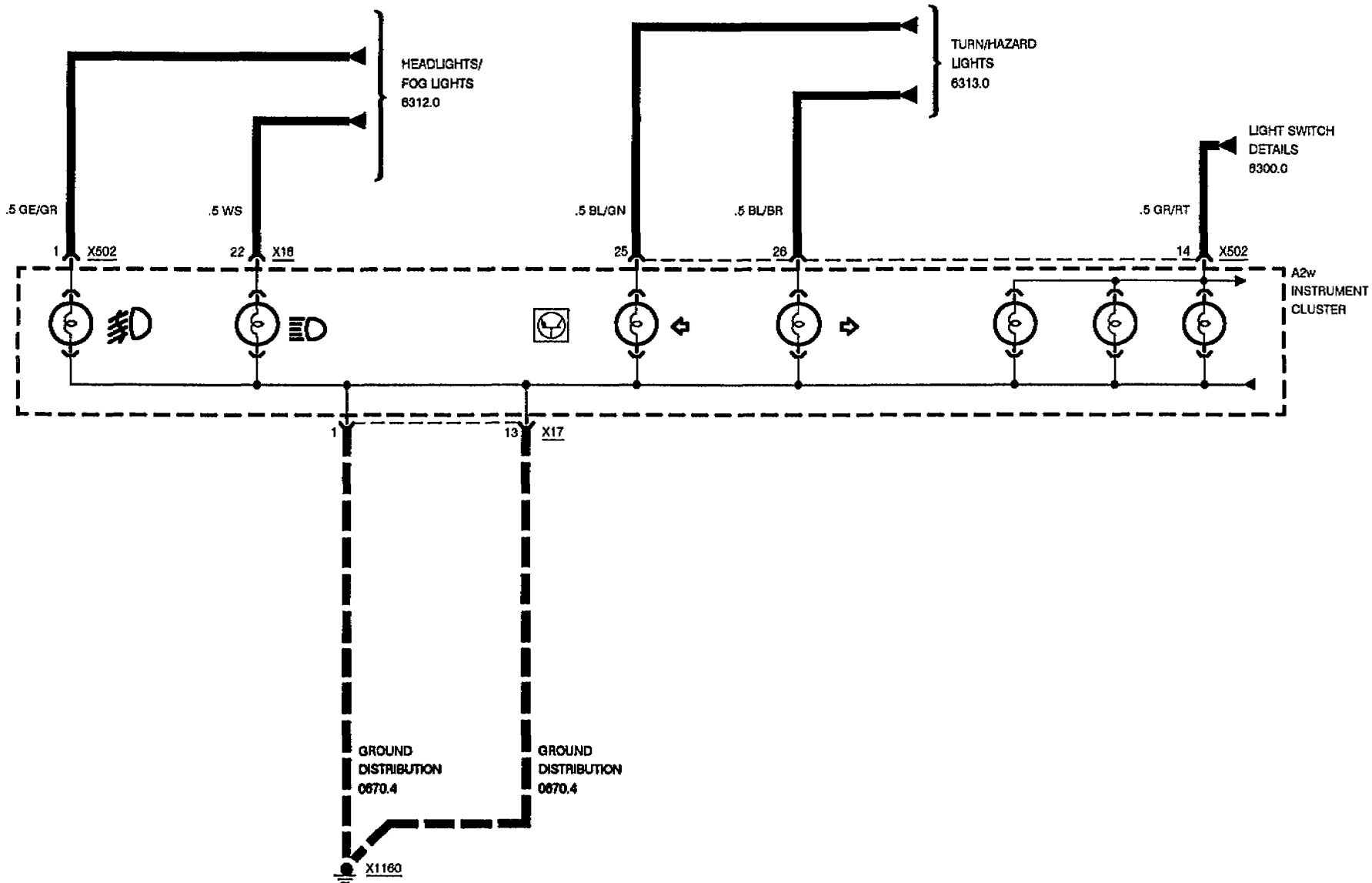
INDICATORS



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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

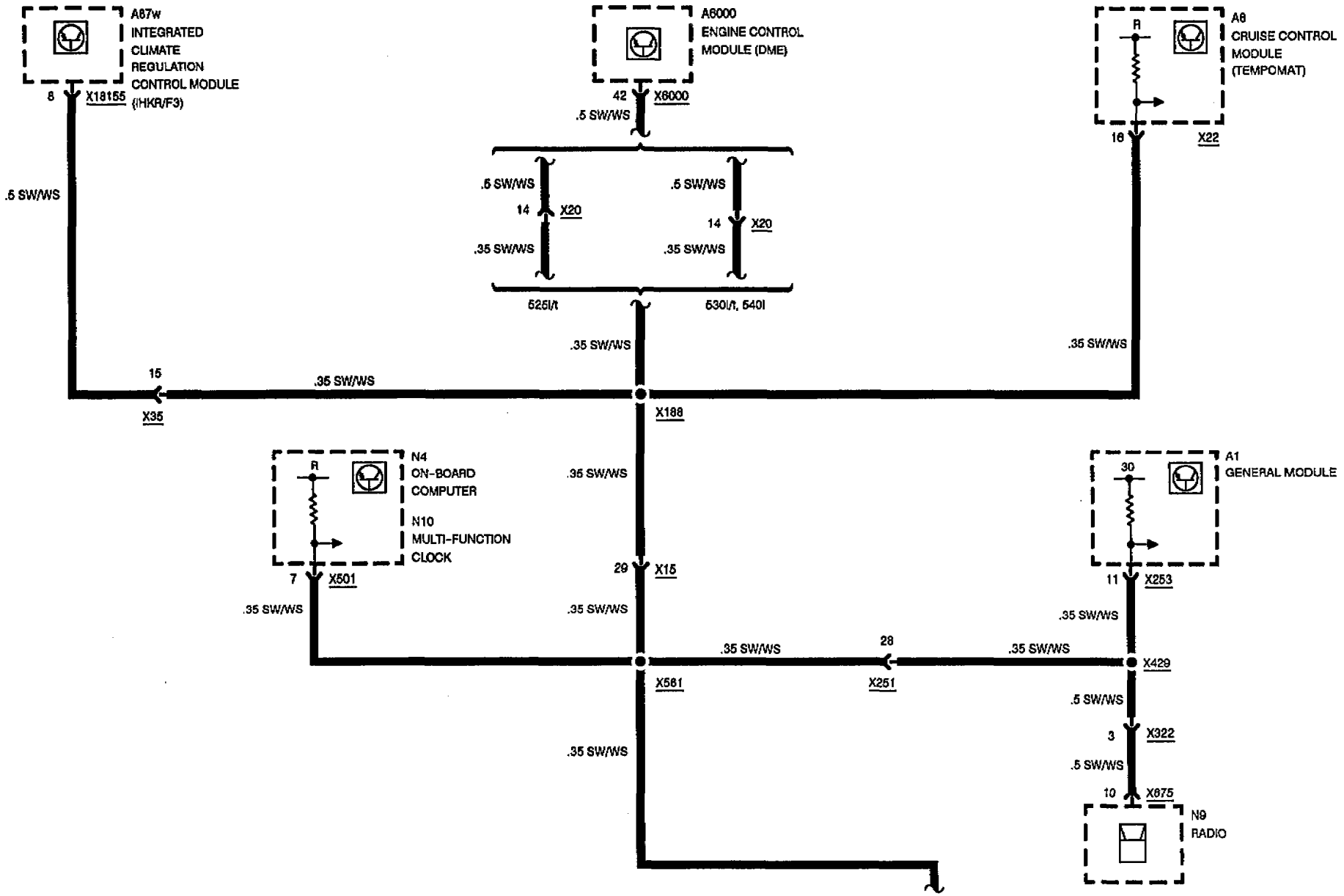
INDICATORS



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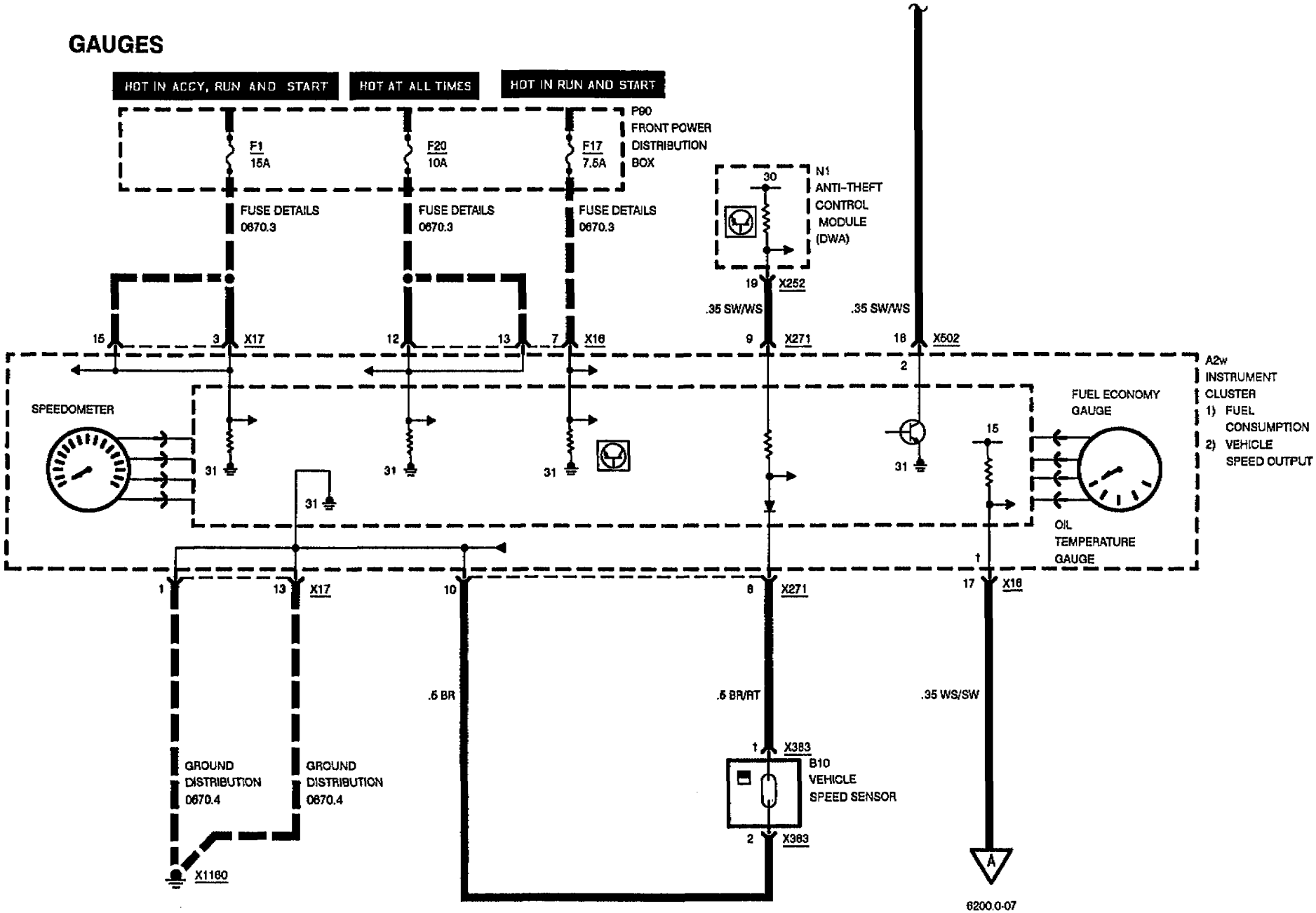
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

SPEED SIGNAL



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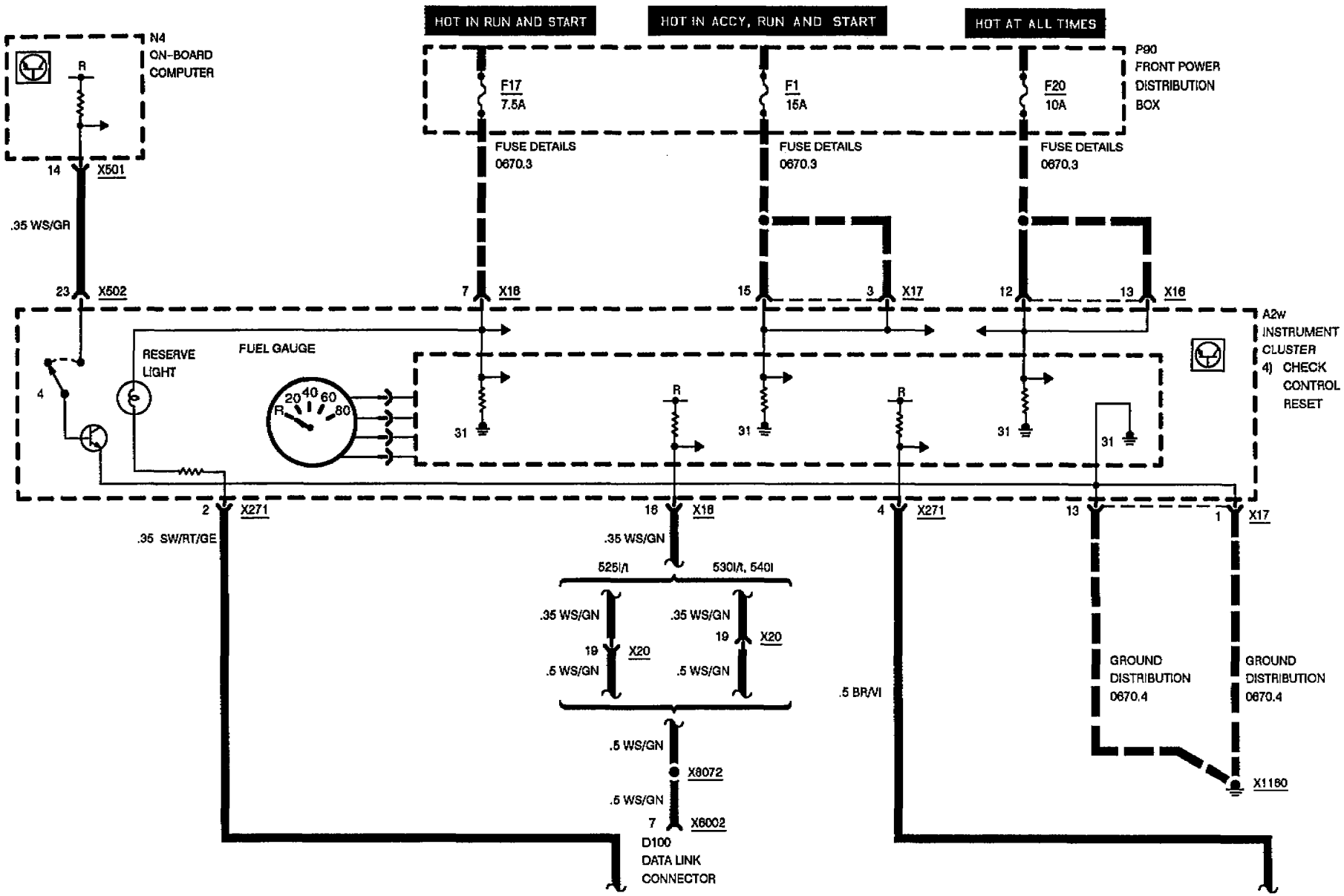
GAUGES



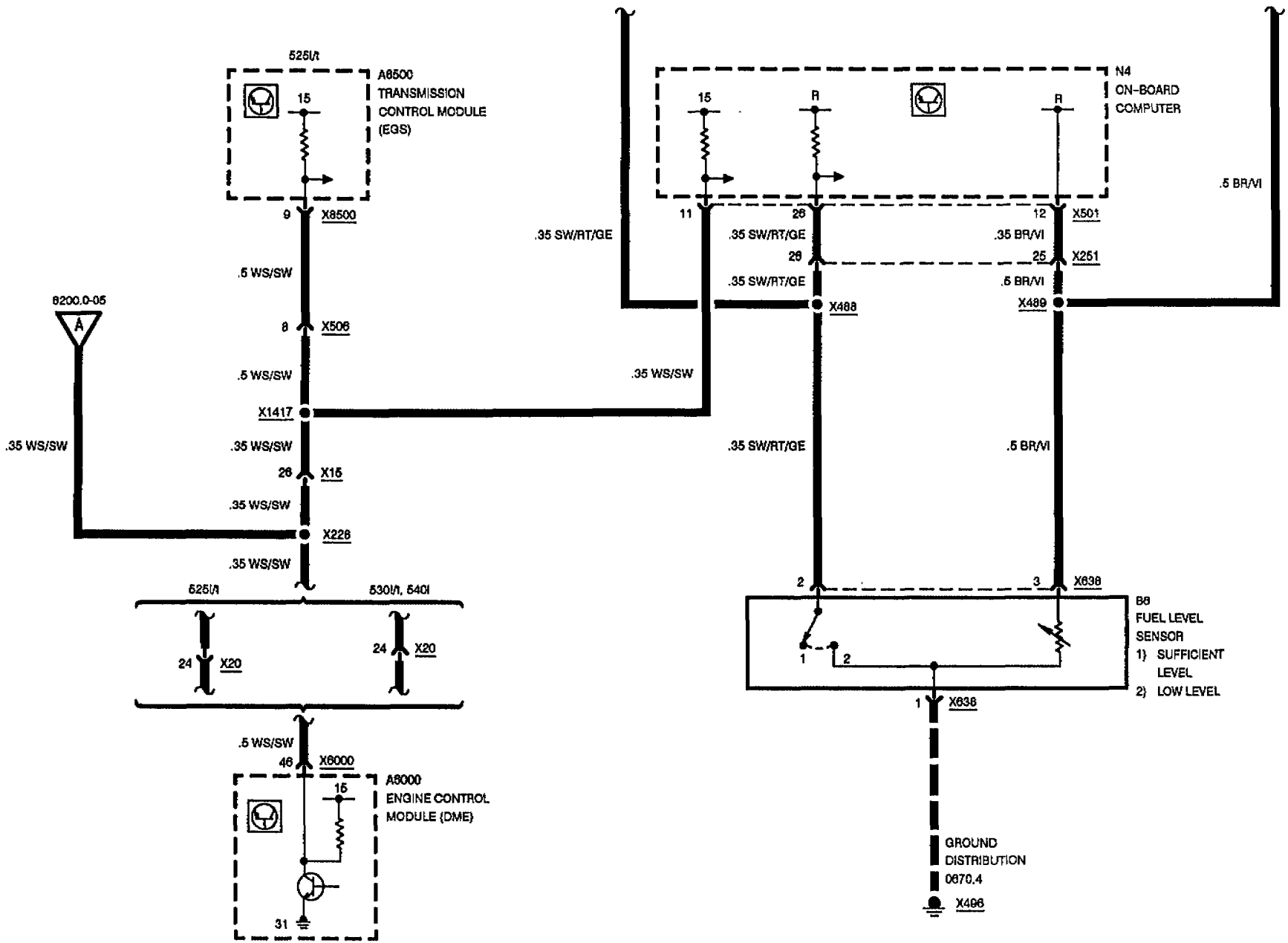
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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

GAUGES



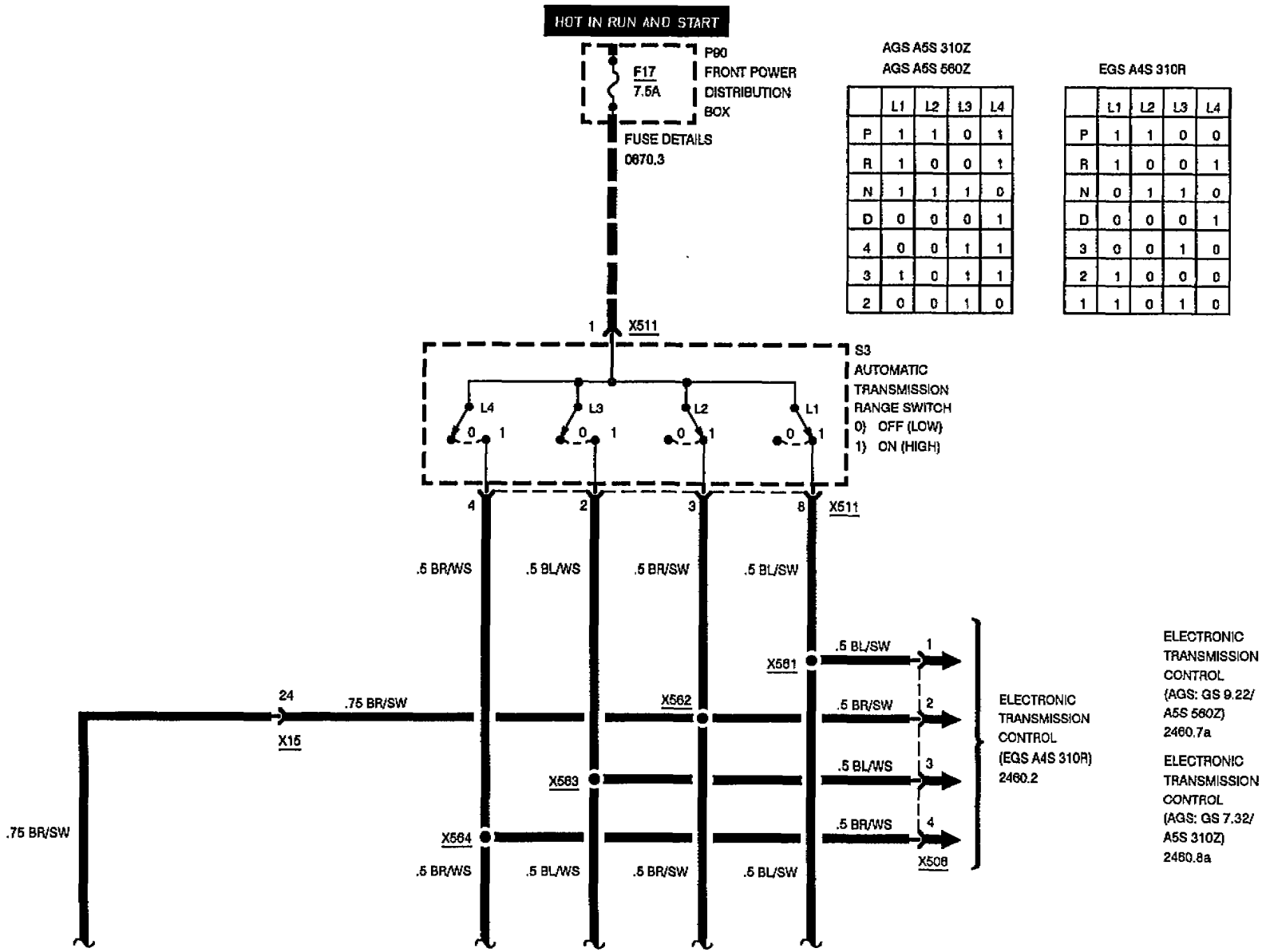
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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

GEAR SELECTOR



AGS A5S 310Z
AGS A5S 560Z

	L1	L2	L3	L4
P	1	1	0	1
R	1	0	0	1
N	1	1	1	0
D	0	0	0	1
4	0	0	1	1
3	1	0	1	1
2	0	0	1	0

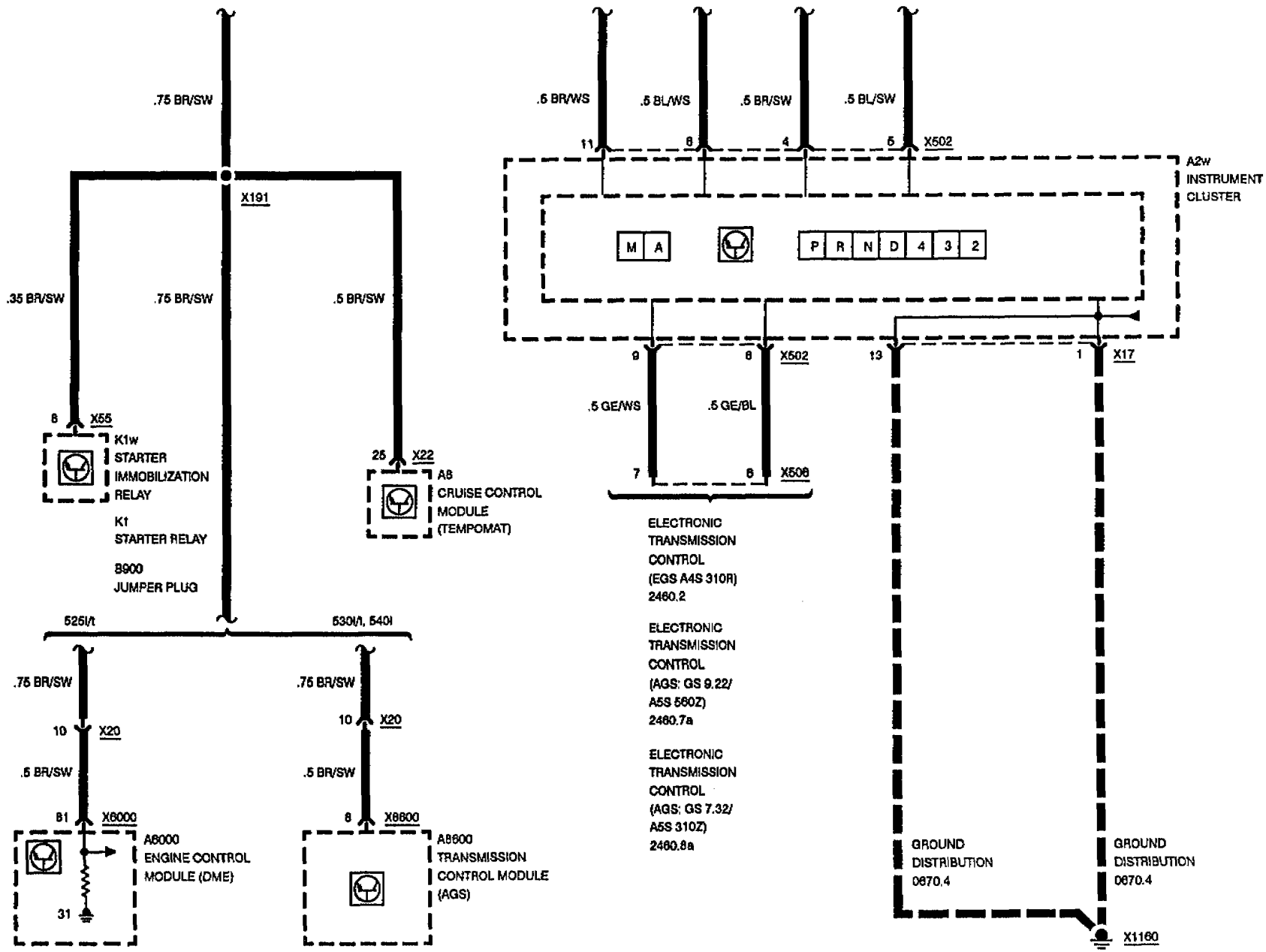
EGS A4S 310R

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

ELECTRONIC
TRANSMISSION
CONTROL
(AGS: GS 9.22/
A5S 560Z)
2460.7a

ELECTRONIC
TRANSMISSION
CONTROL
(AGS: GS 7.32/
A5S 310Z)
2460.8a

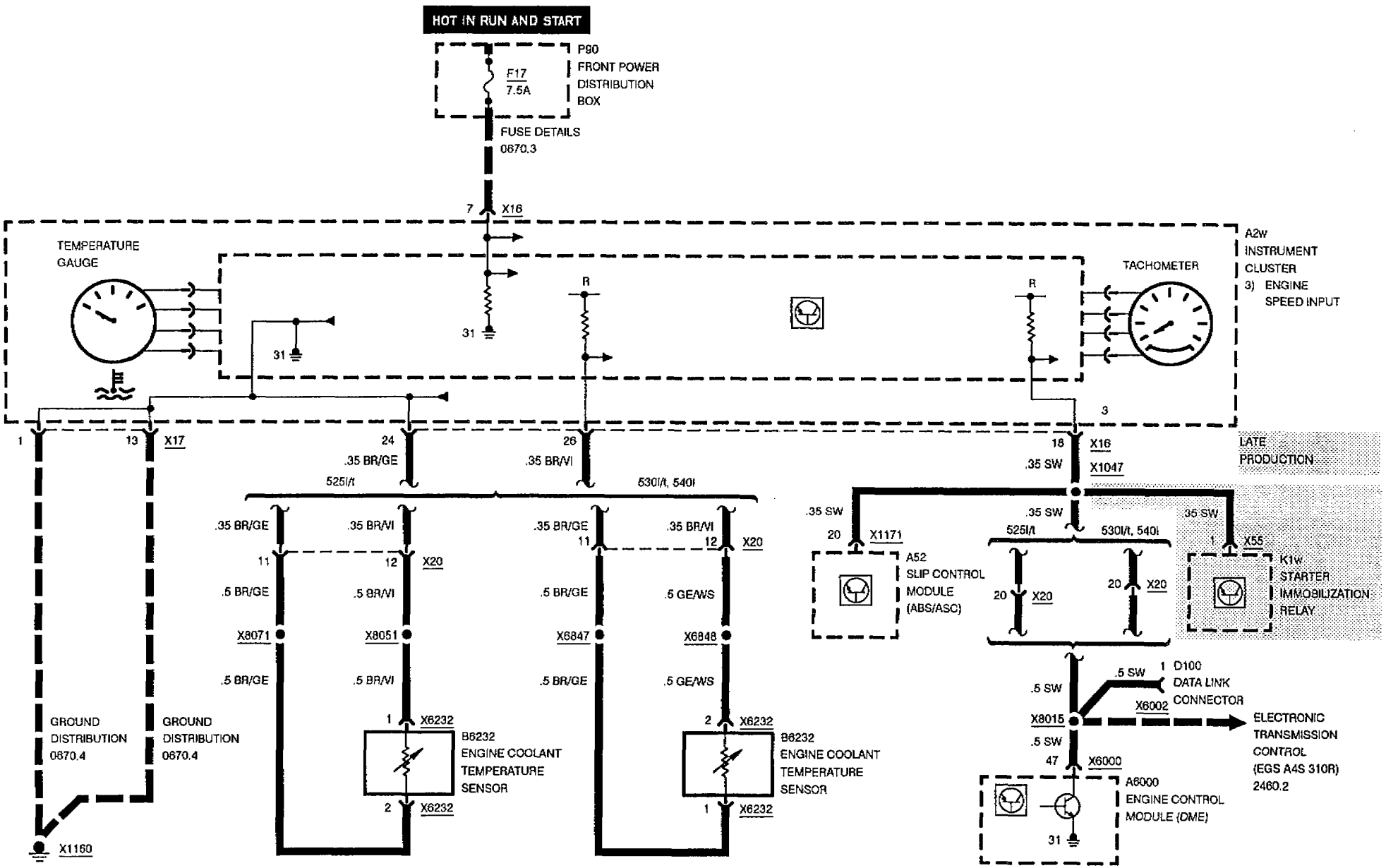
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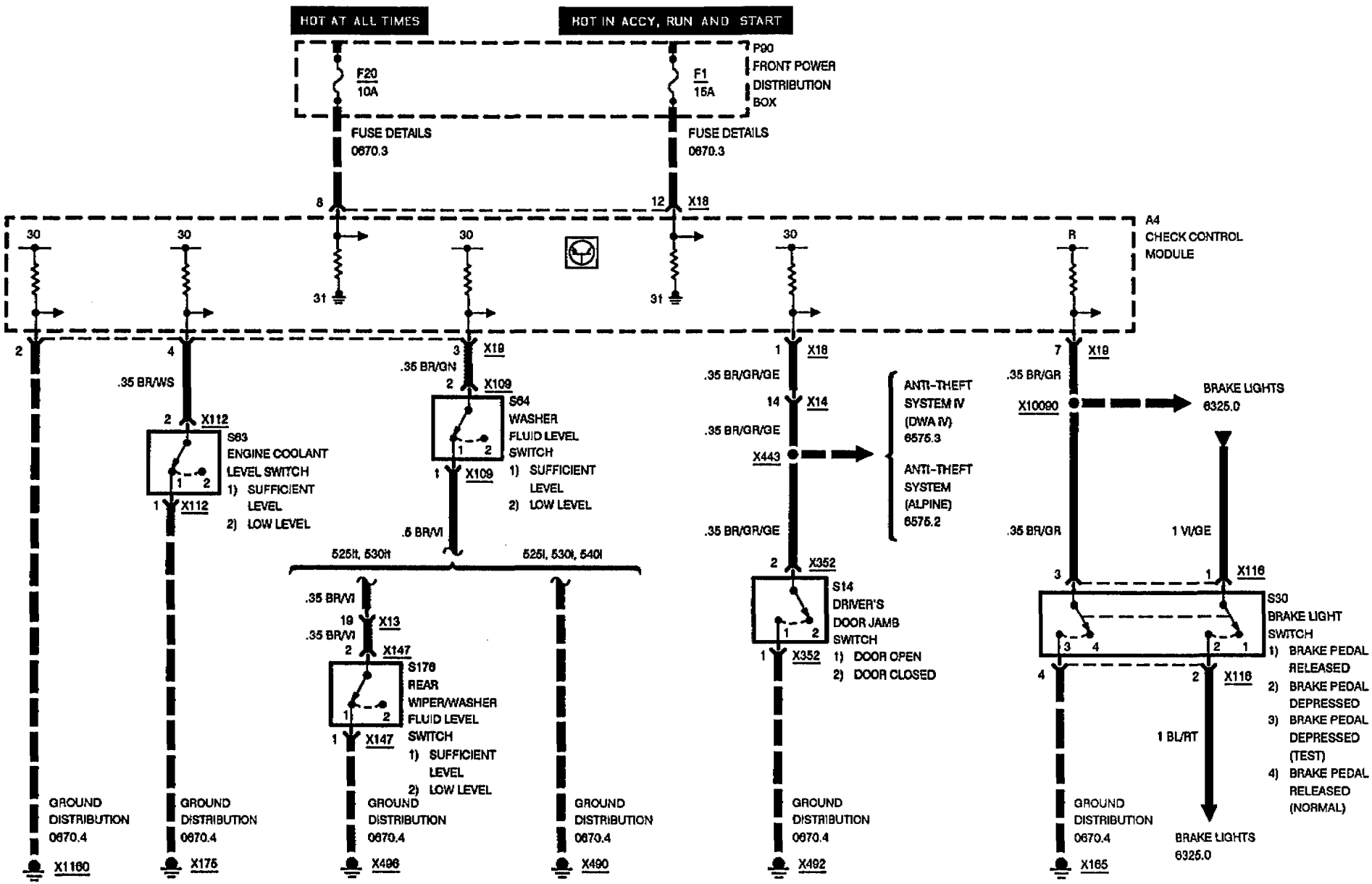
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

GAUGES



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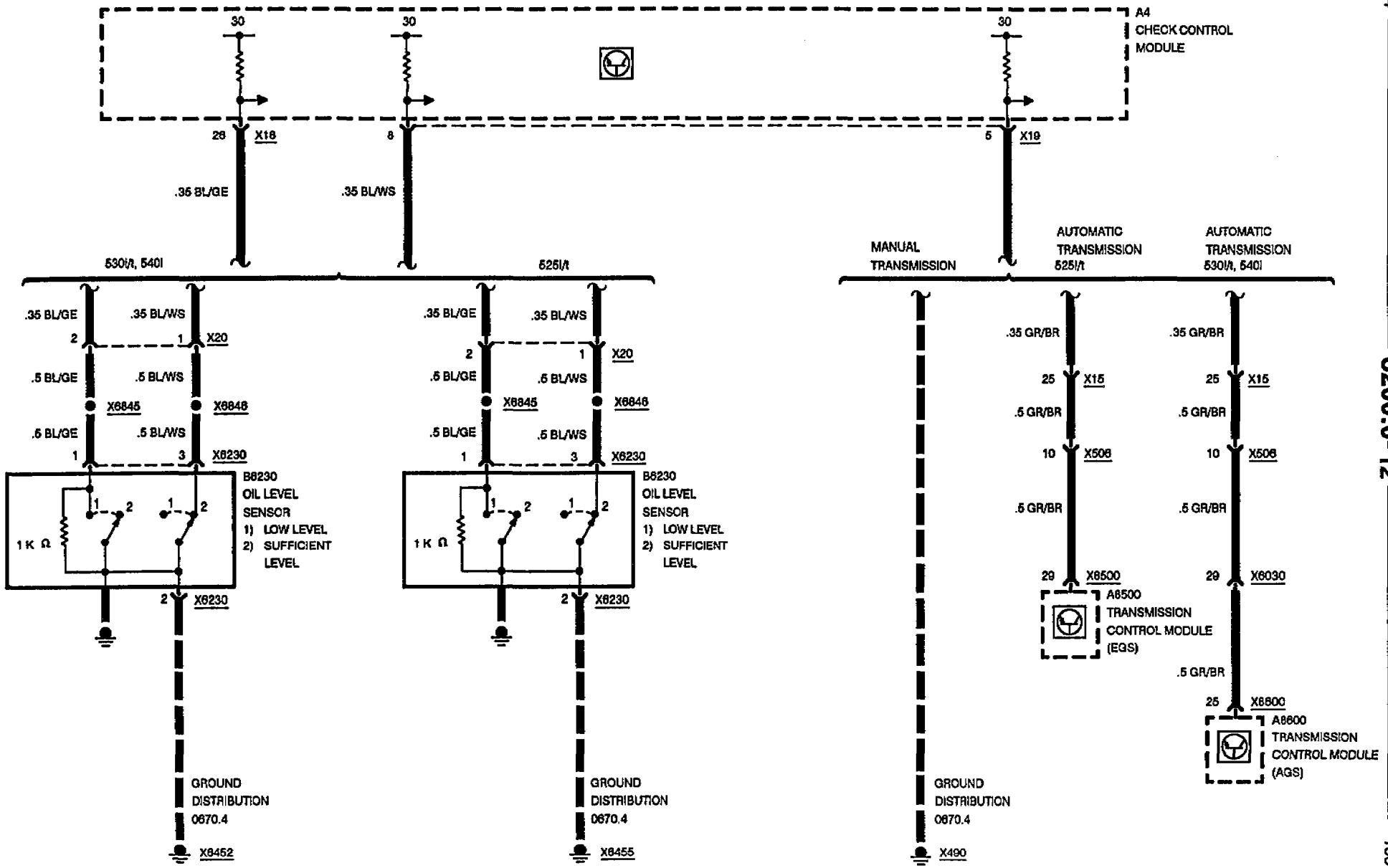
CHECK CONTROL



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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

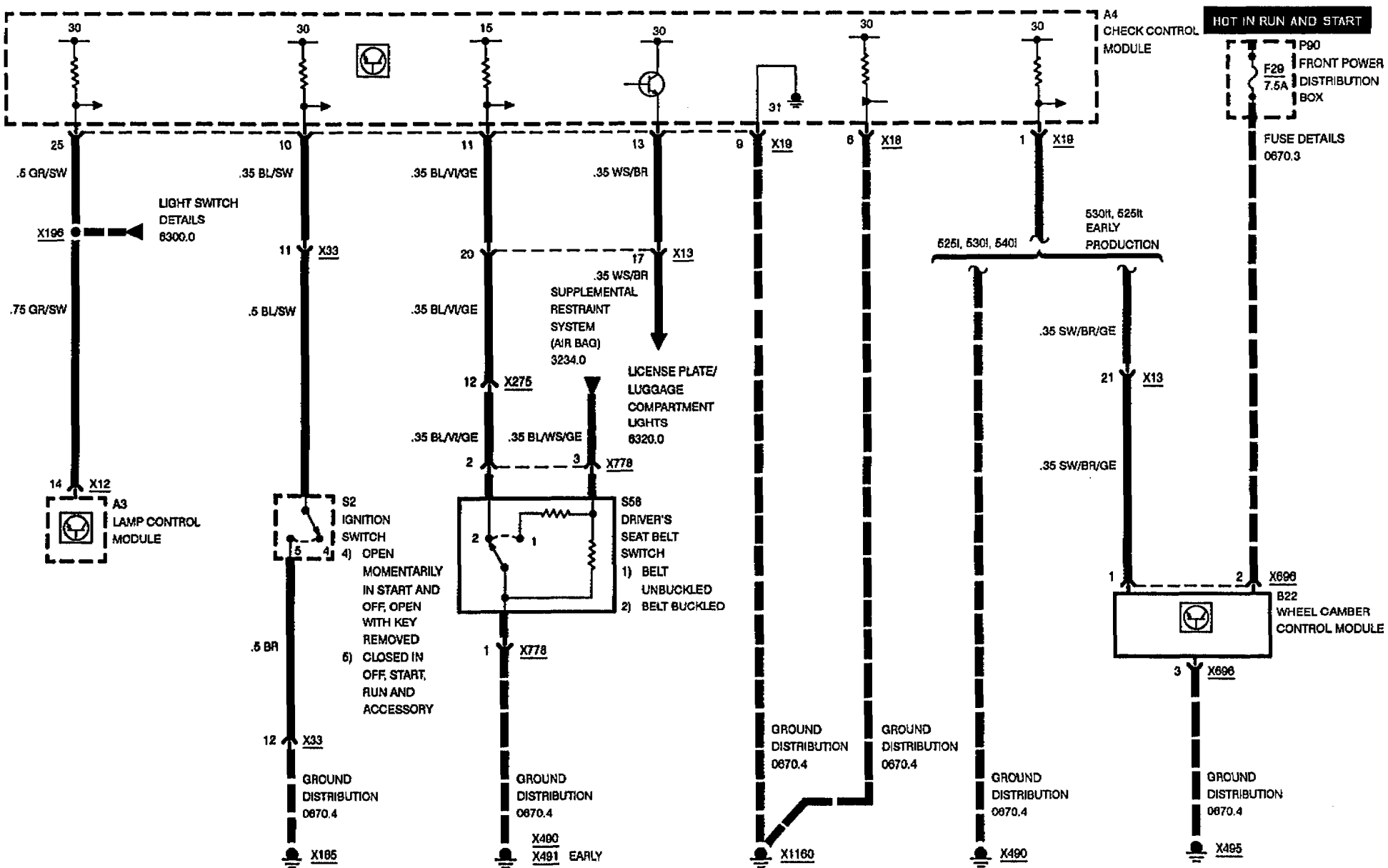
CHECK CONTROL



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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

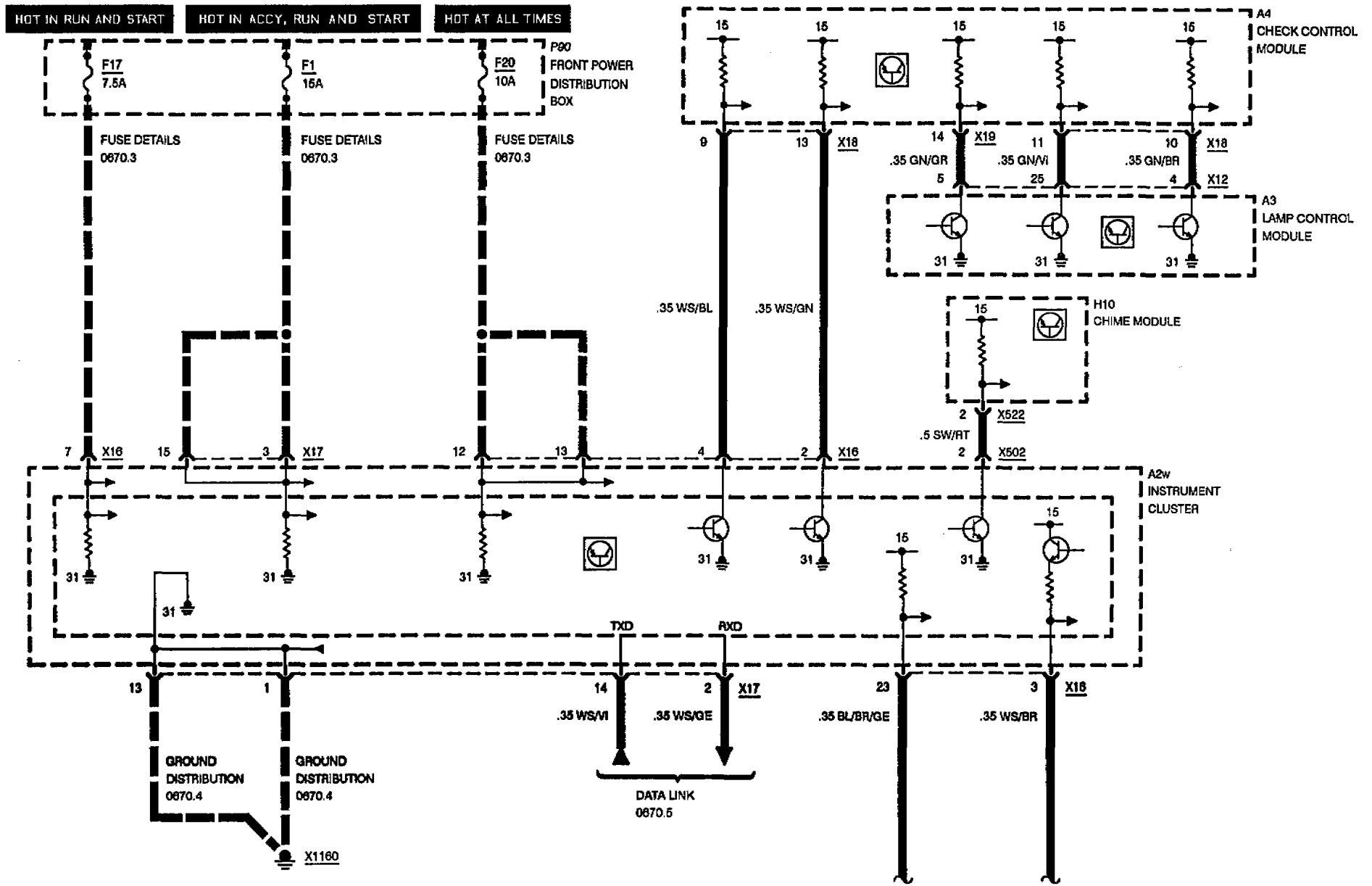
CHECK CONTROL



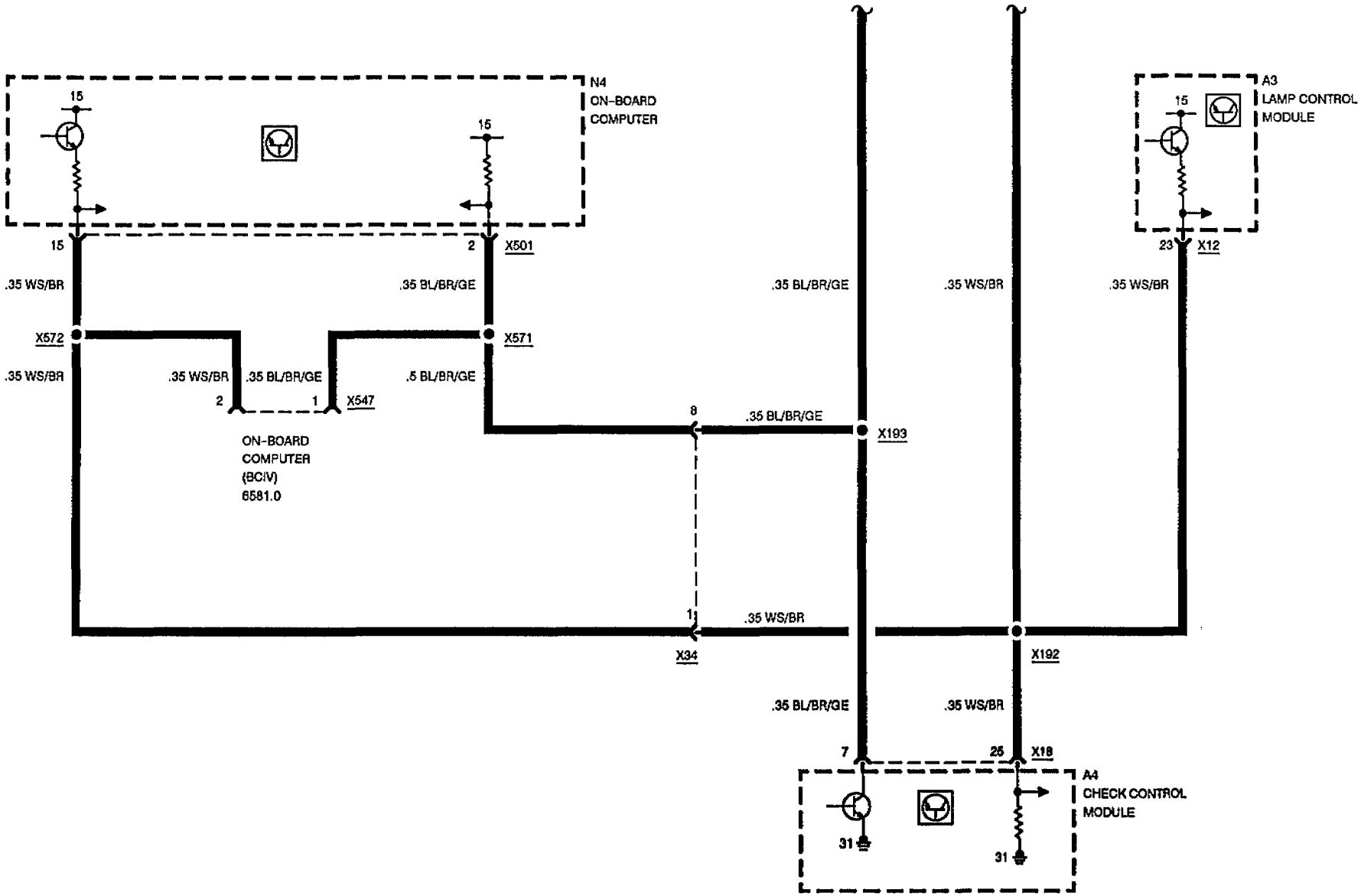
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INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

DATA LINK



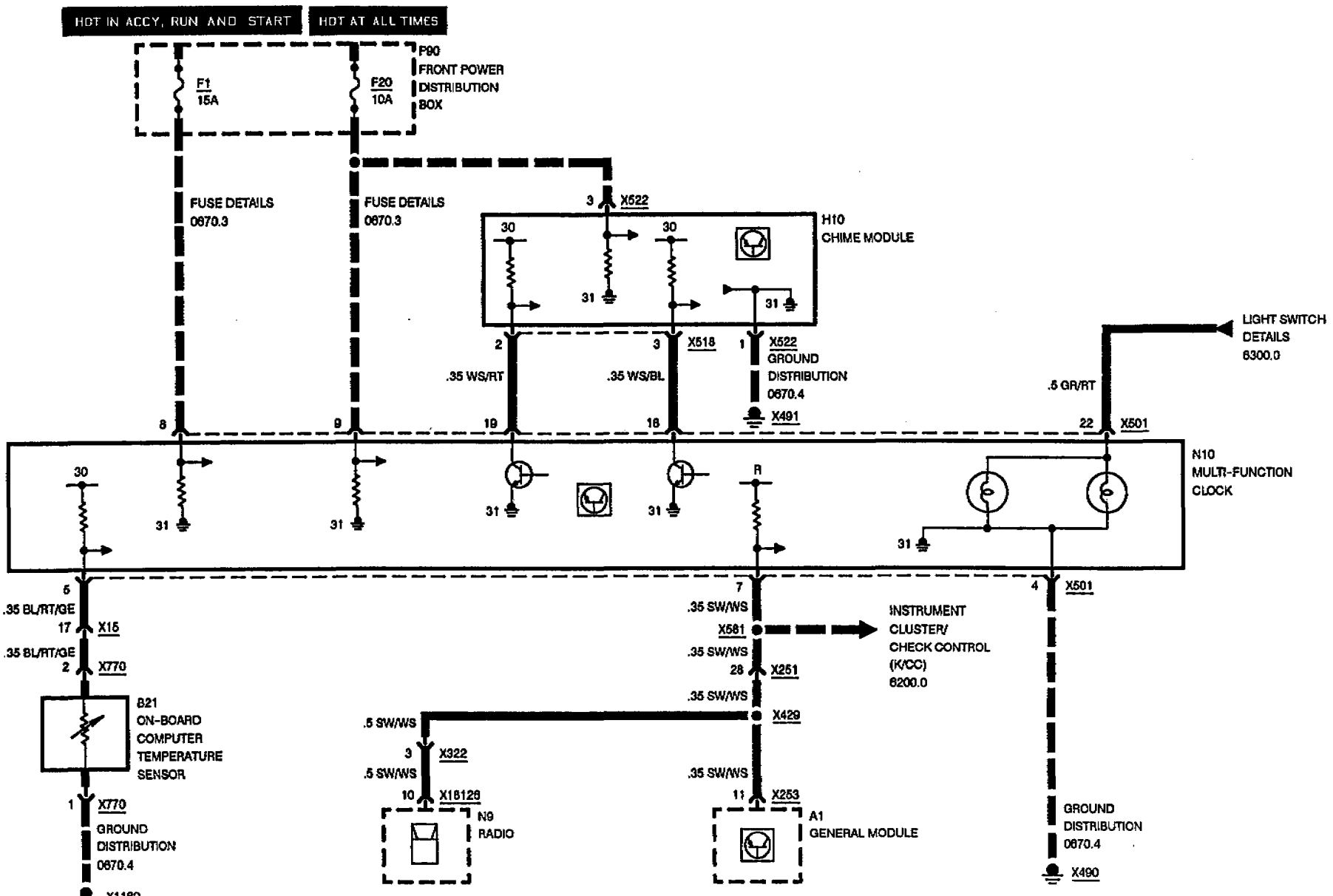
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CLOCK

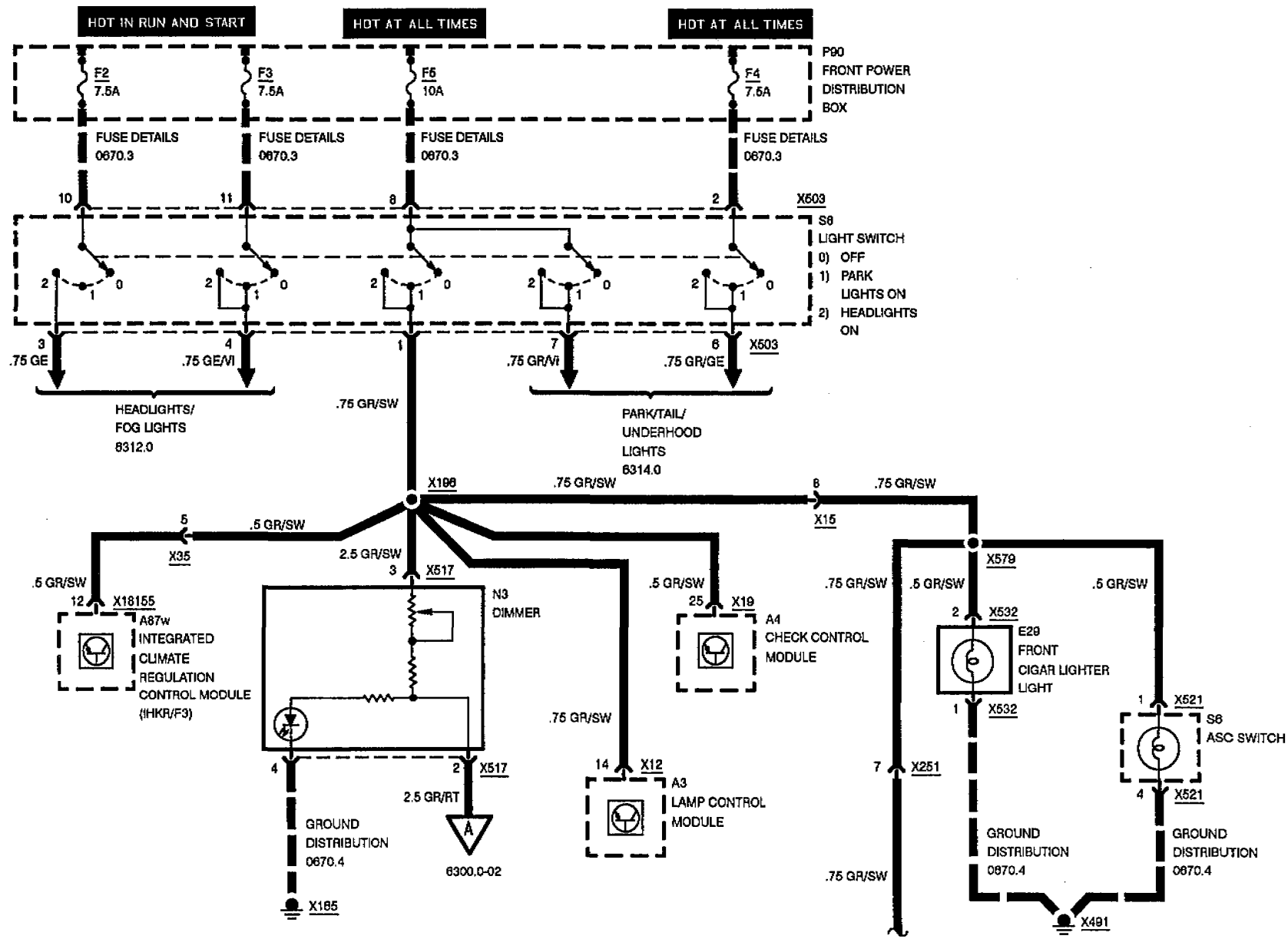
WITHOUT ON-BOARD COMPUTER



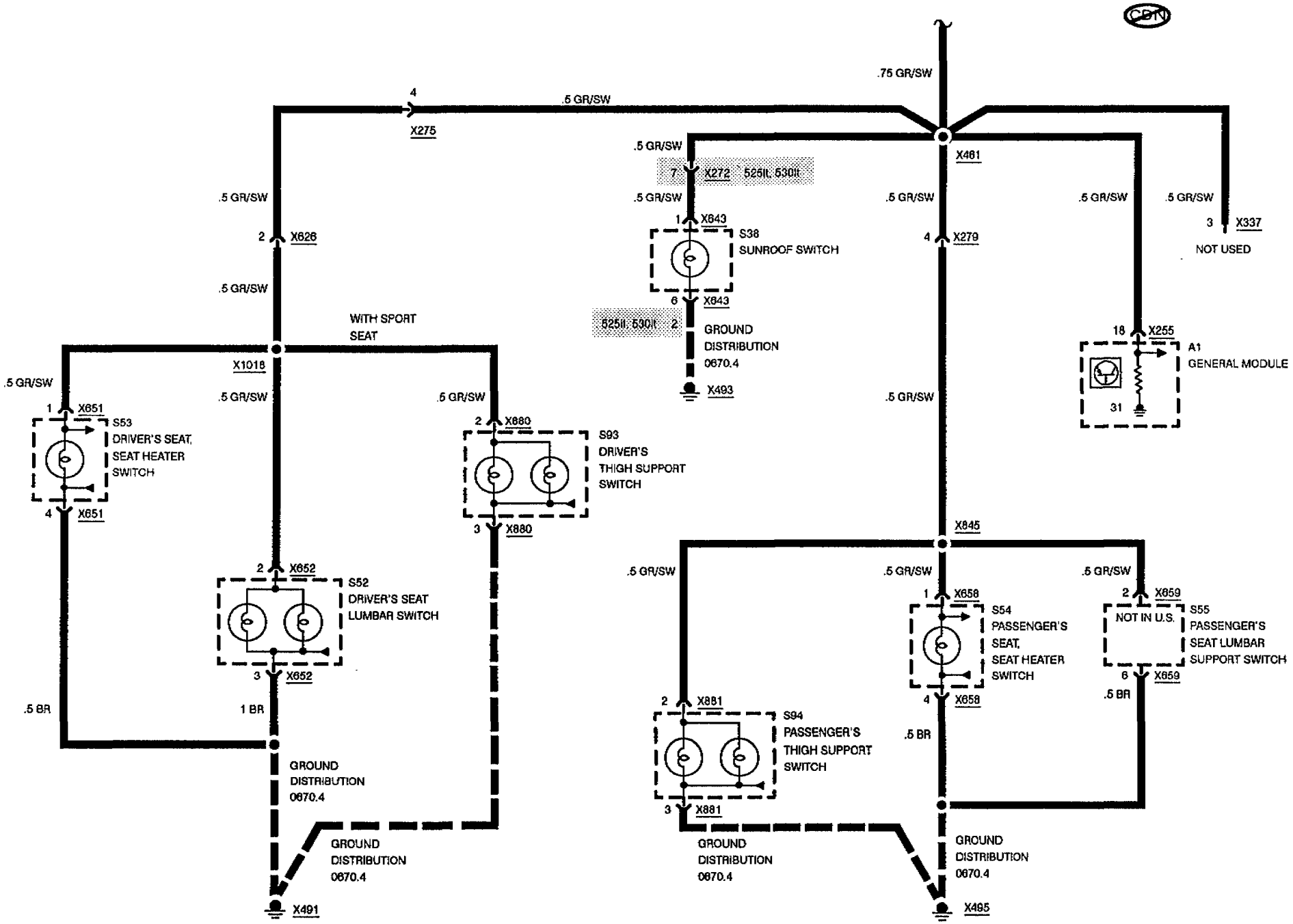
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LIGHT SWITCH DETAILS

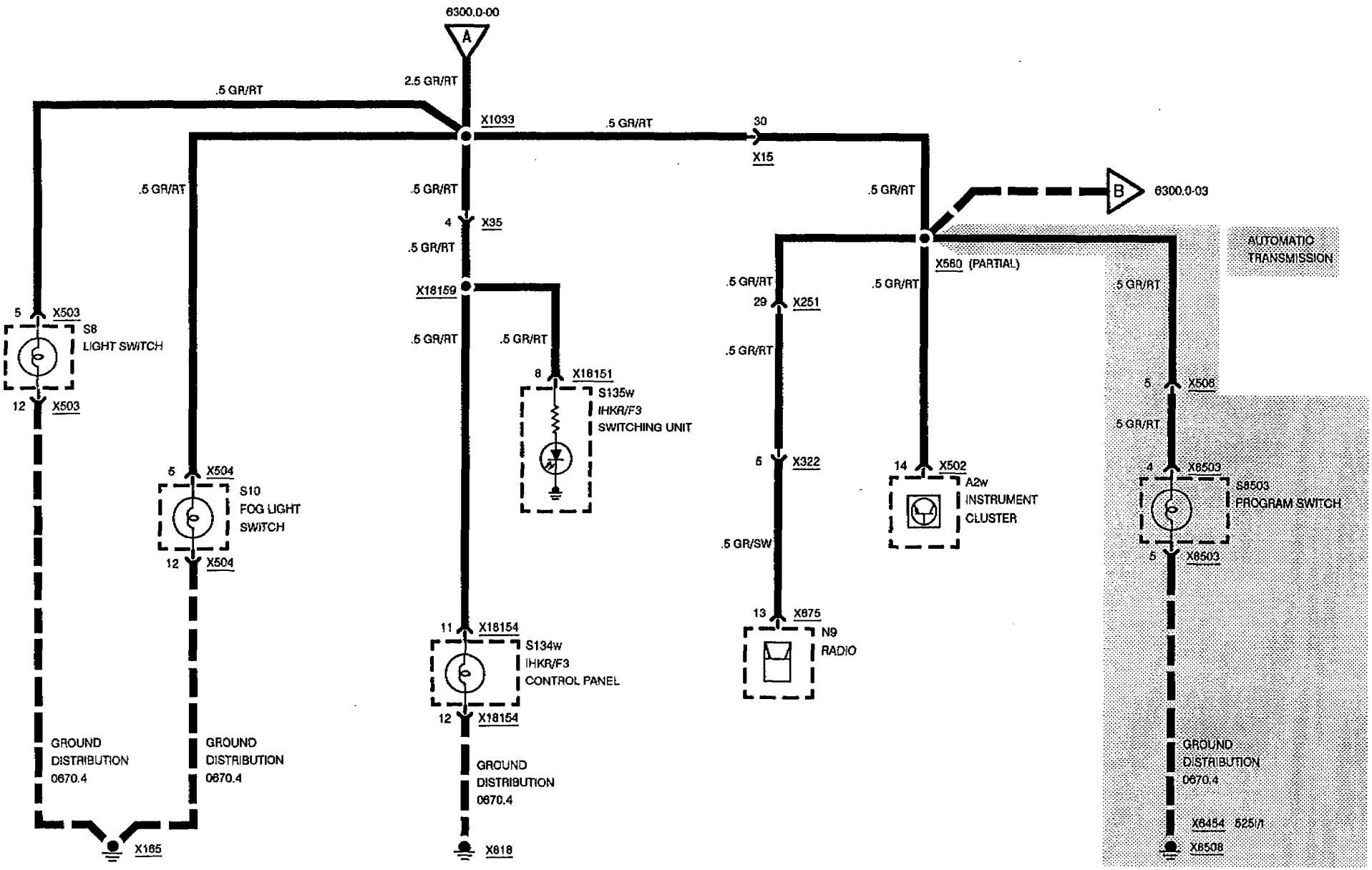


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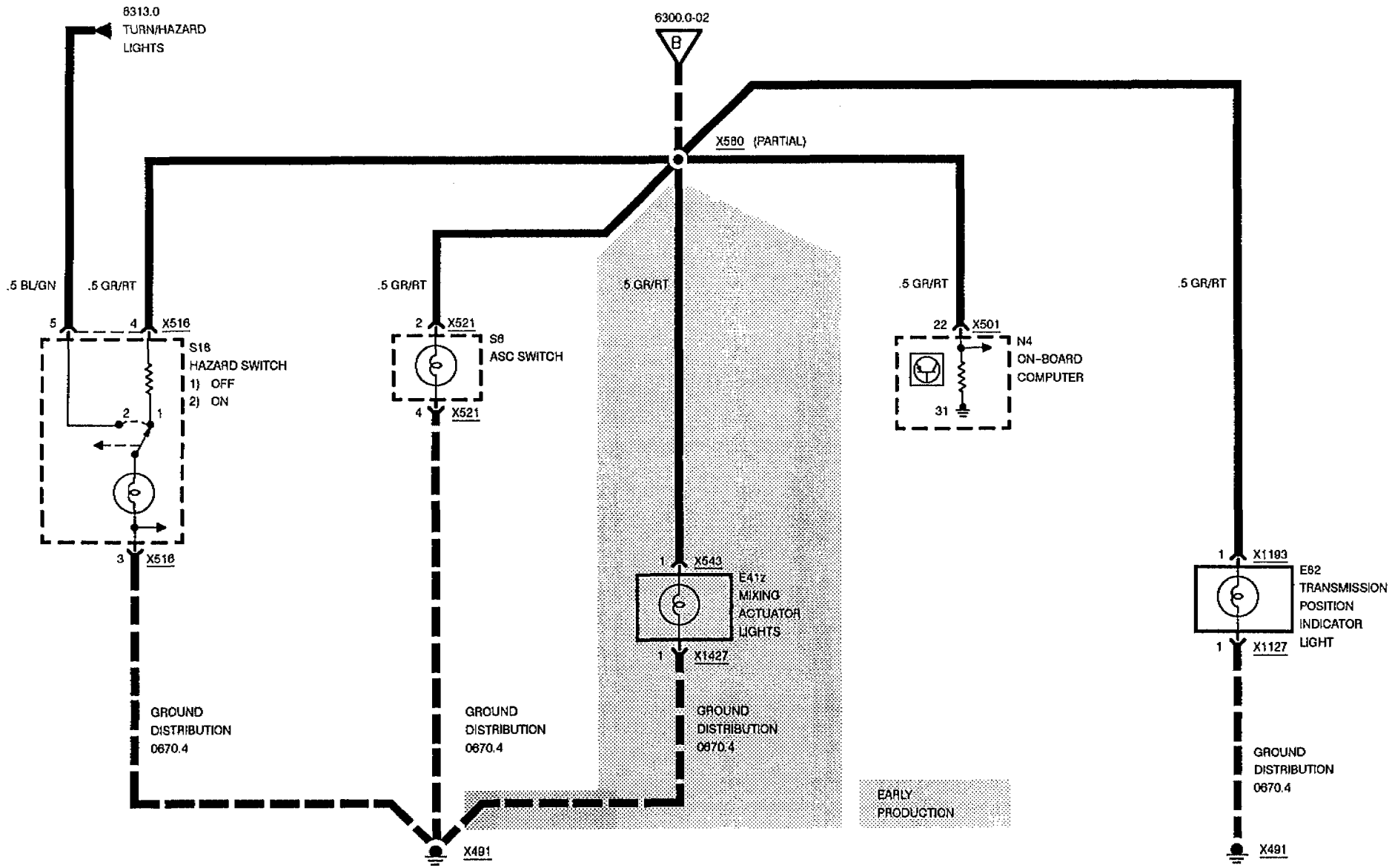
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LIGHT SWITCH DETAILS



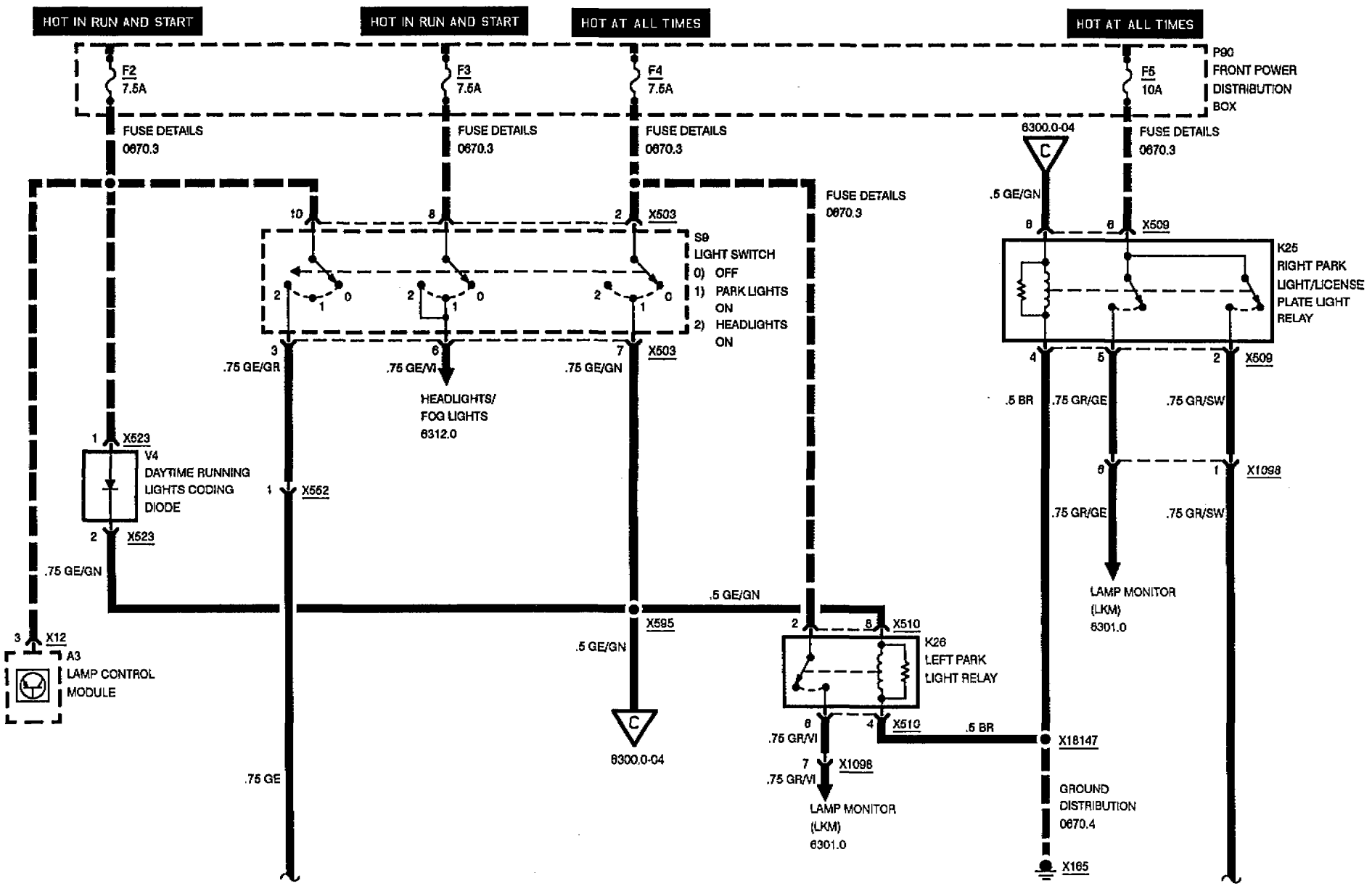
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LIGHT SWITCH DETAILS

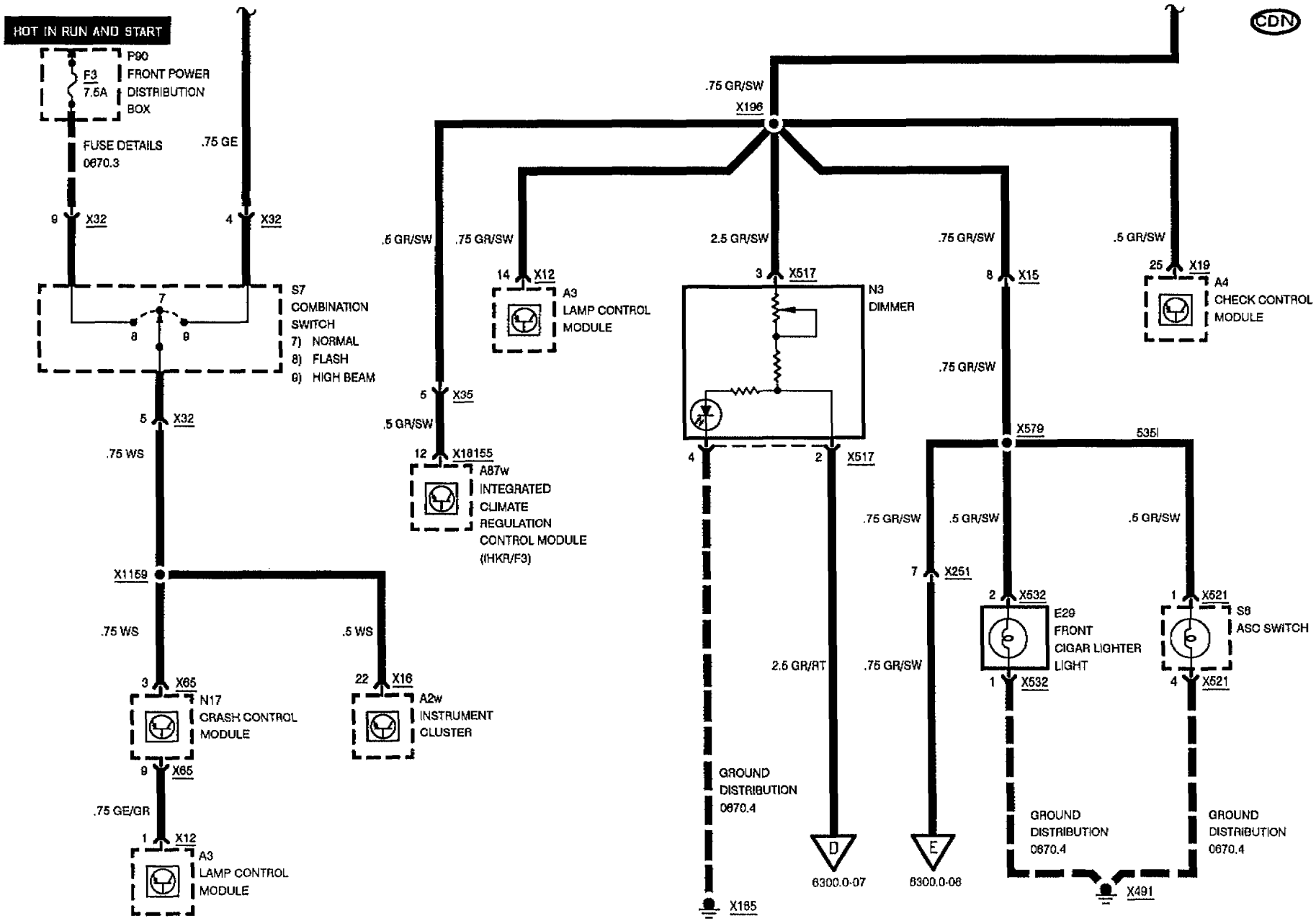


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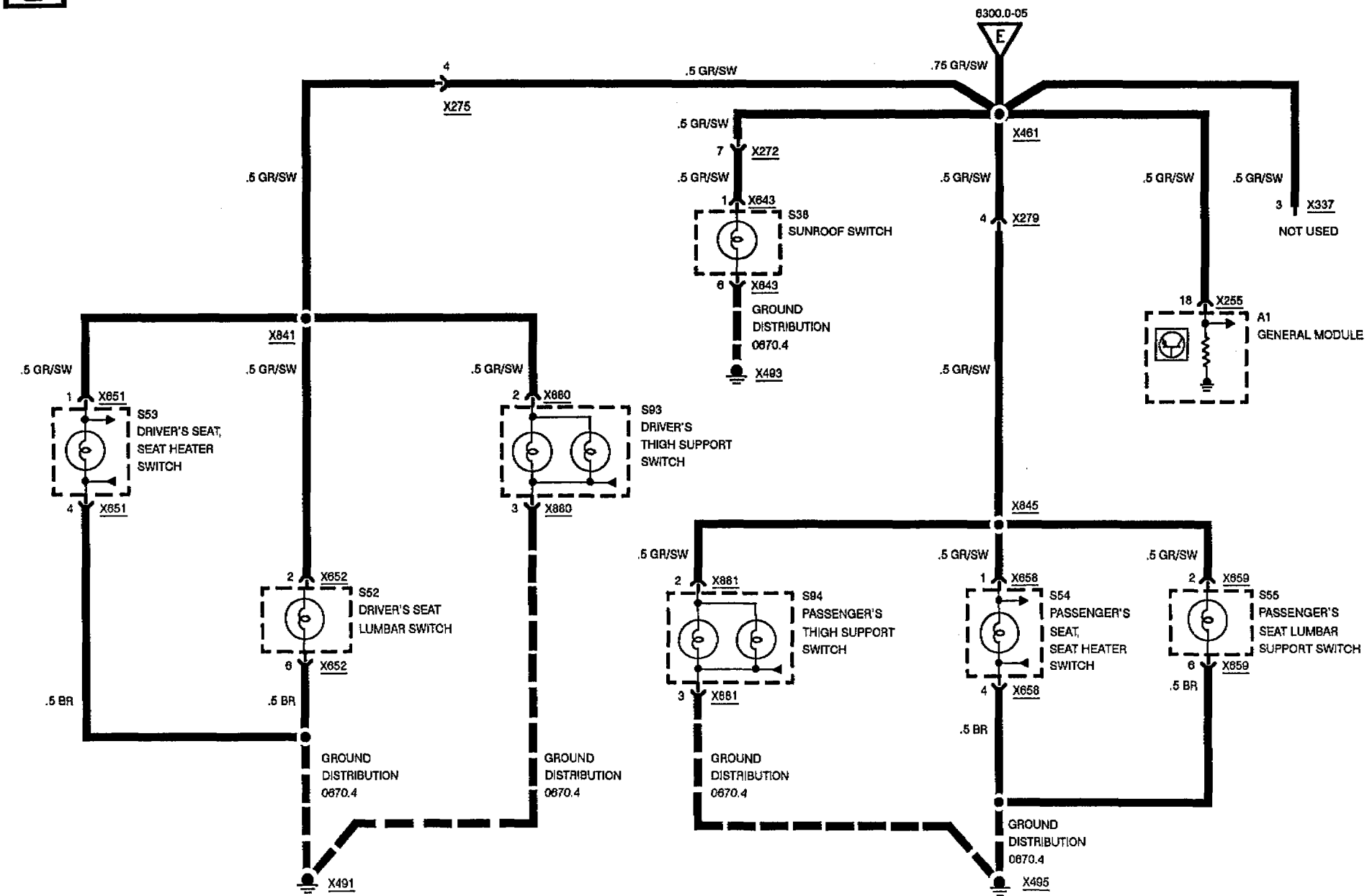
LIGHT SWITCH DETAILS



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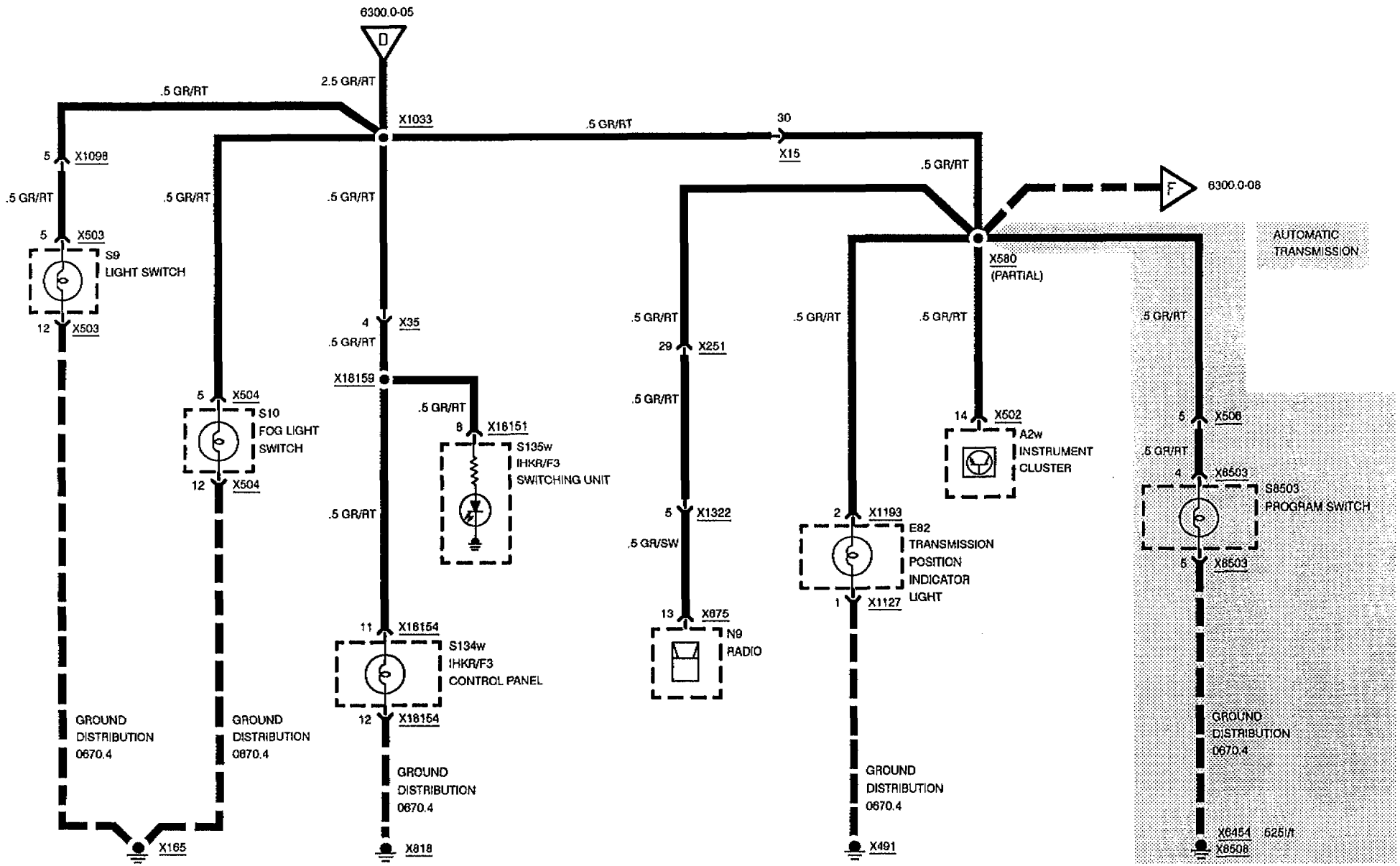


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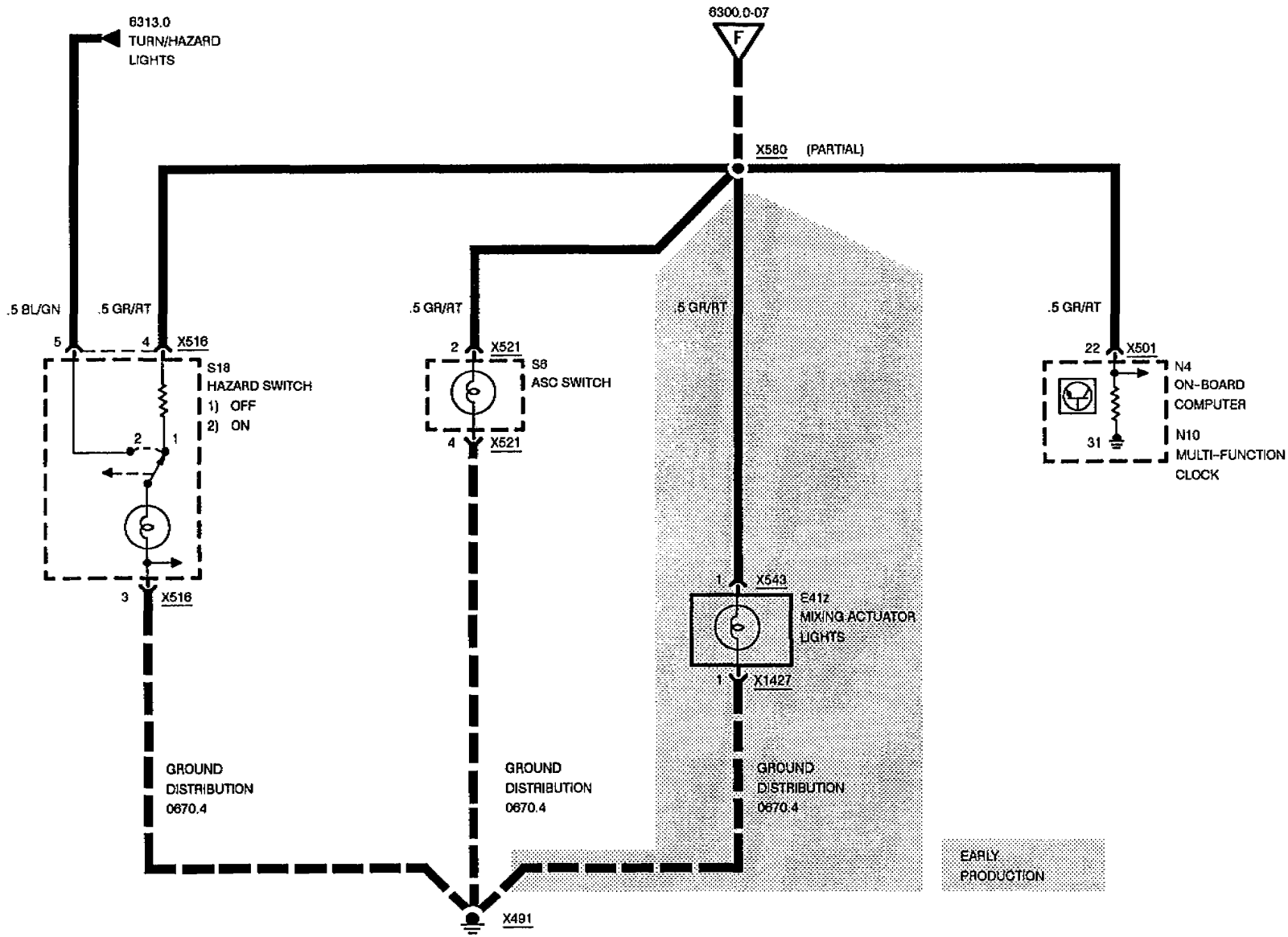
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LIGHT SWITCH DETAILS



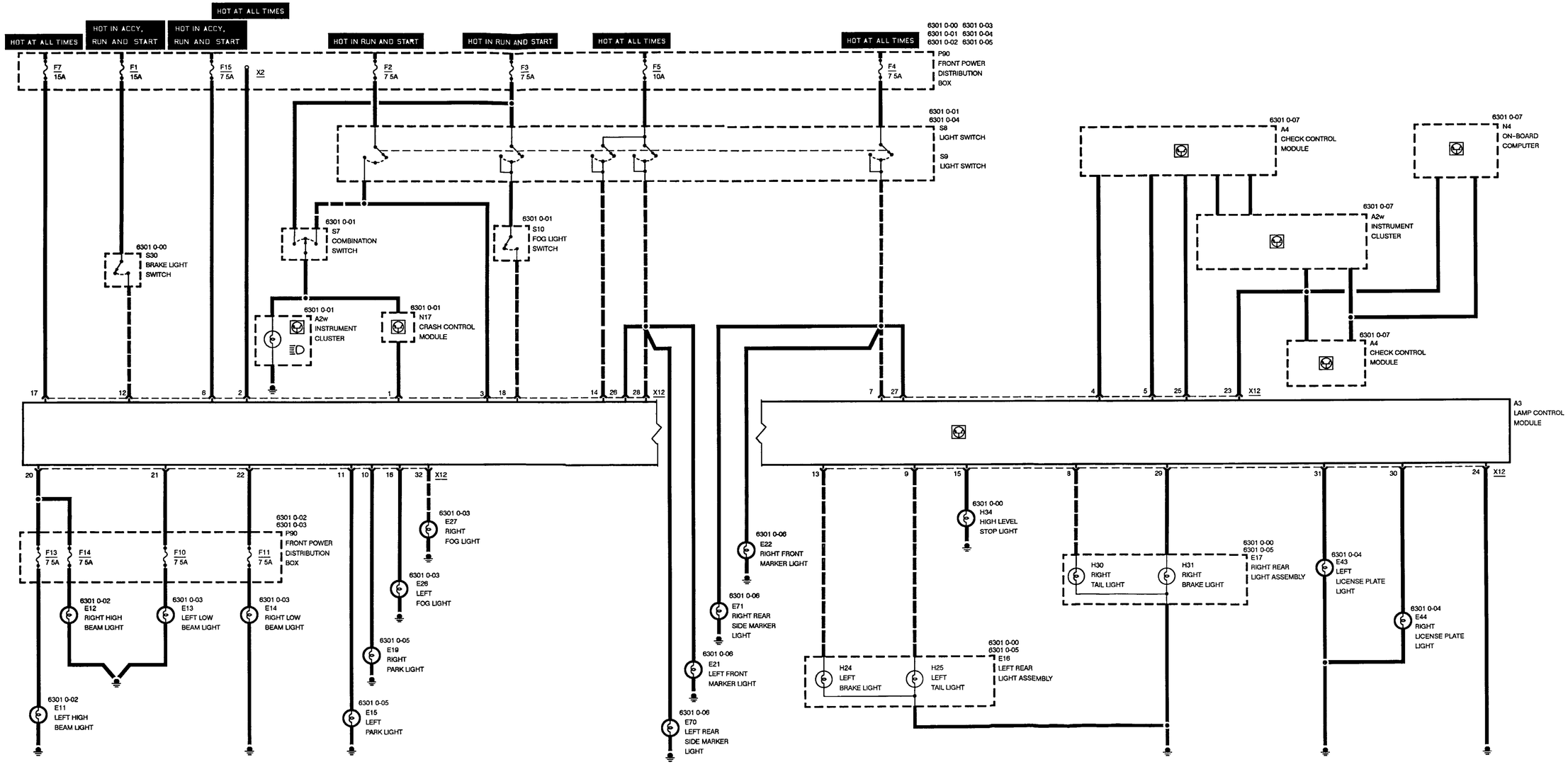
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LIGHT SWITCH DETAILS

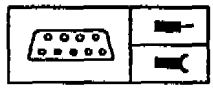


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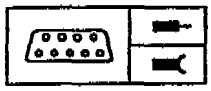
Pin Assignments

X12

Pin	Type	Description/Function	Connection
1	E	High beam signal	Crash control unit
2	E	Voltage supply (terminal 30)	Front power distribution box
3	E	Headlights signal	Light switch
4	A	Data link to CCM	Check control module
5	A	Data link to CCM	Check control module
6	E	Voltage supply (terminal R)	Front power distribution box
7	E	Tail light signal, right	Light switch
8	A	Tail light power, right	Rear light assembly, right
9	A	Tail light power, left	Rear light assembly, left
10	A	Park light power, right	Front light assembly, right
11	A	Park light power, left	Front light assembly, left
12	E	Brake pedal status	Brake light switch
13	A	Brake light power, left	Rear light assembly, left
14	E	Park lights signal	Light switch
15	A	High level stop light power	High level stop light
16	A	Fog light power, left	Fog light, left
17	E	Fog lights power	Front power distribution box
18	E	Fog light signal	Fog light switch
19		Not used	
20	A	High beam light power	Fuses/Front power distribution box
21	A	Low beam power, left	Fuses/Front power distribution box
22	A	Low beam power, right	Fuses/Front power distribution box
23	E	Data link to CCM	Check control module
24	M	Ground	Body ground point
25	E	Data link to CCM	Check control module
26	E	Tail light signal, left	Light switch
27	E	Park light signal, right	Light switch
28	E	Park light signal, left	Light switch
29	A	Brake light power, right	Brake light, right
30	A	License plate light power, right	License plate light, right

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
31	A	License plate light power, left	License plate light, left
32	A	Fog light power, right	Fog light, right

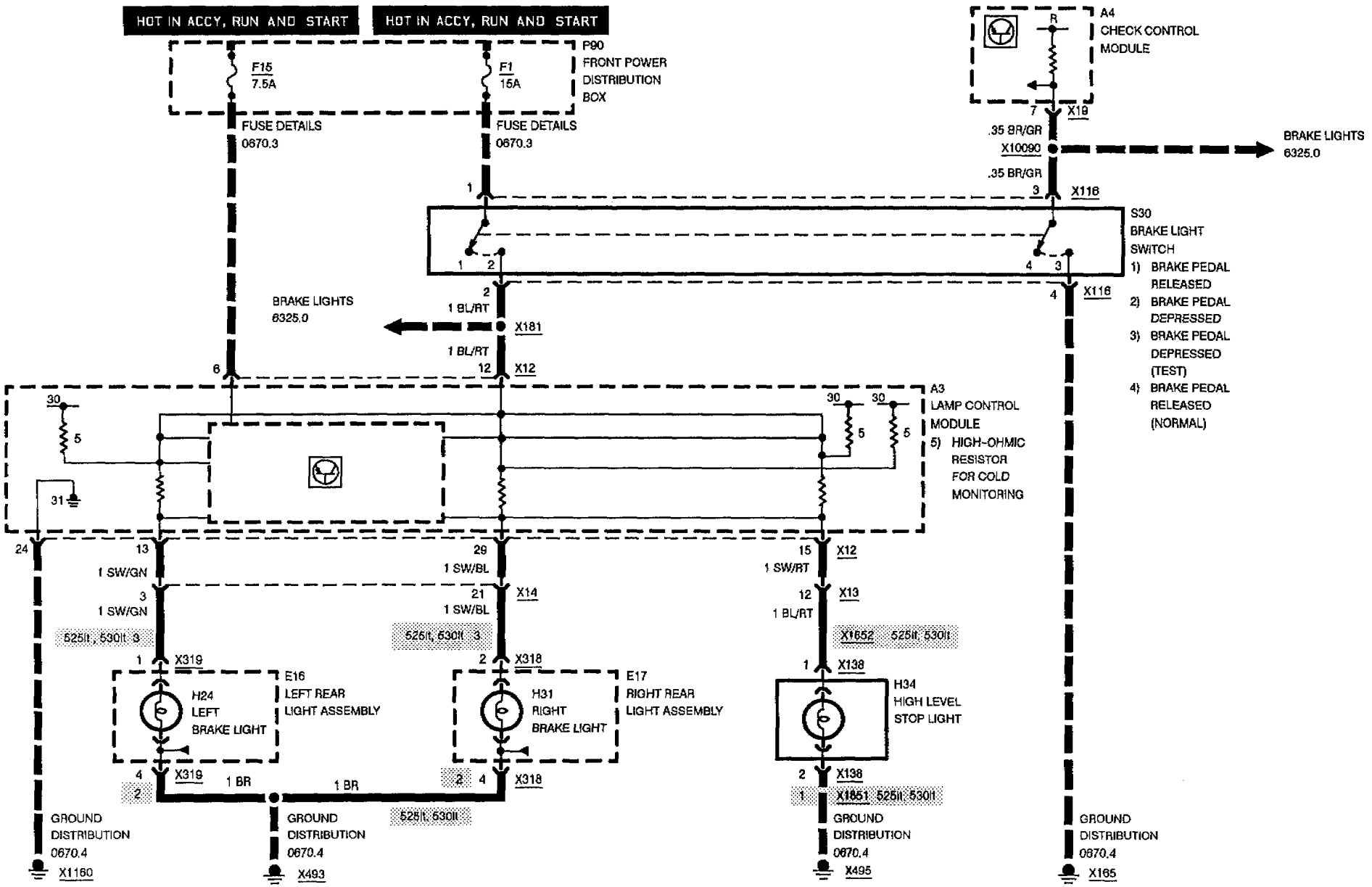
E = Input, A = Output, M = Ground

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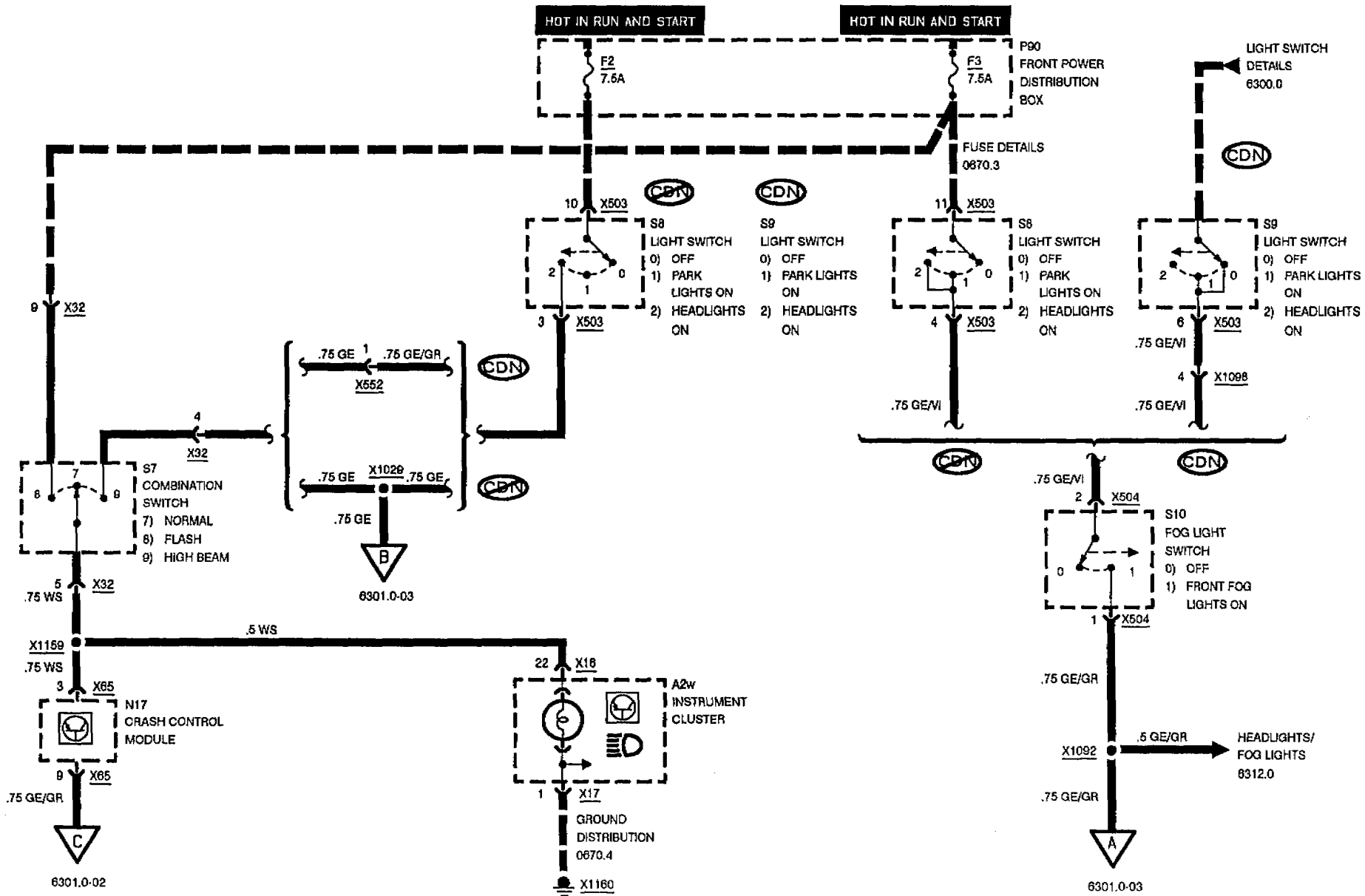
LAMP MONITOR (LKM)

BRAKE LIGHTS



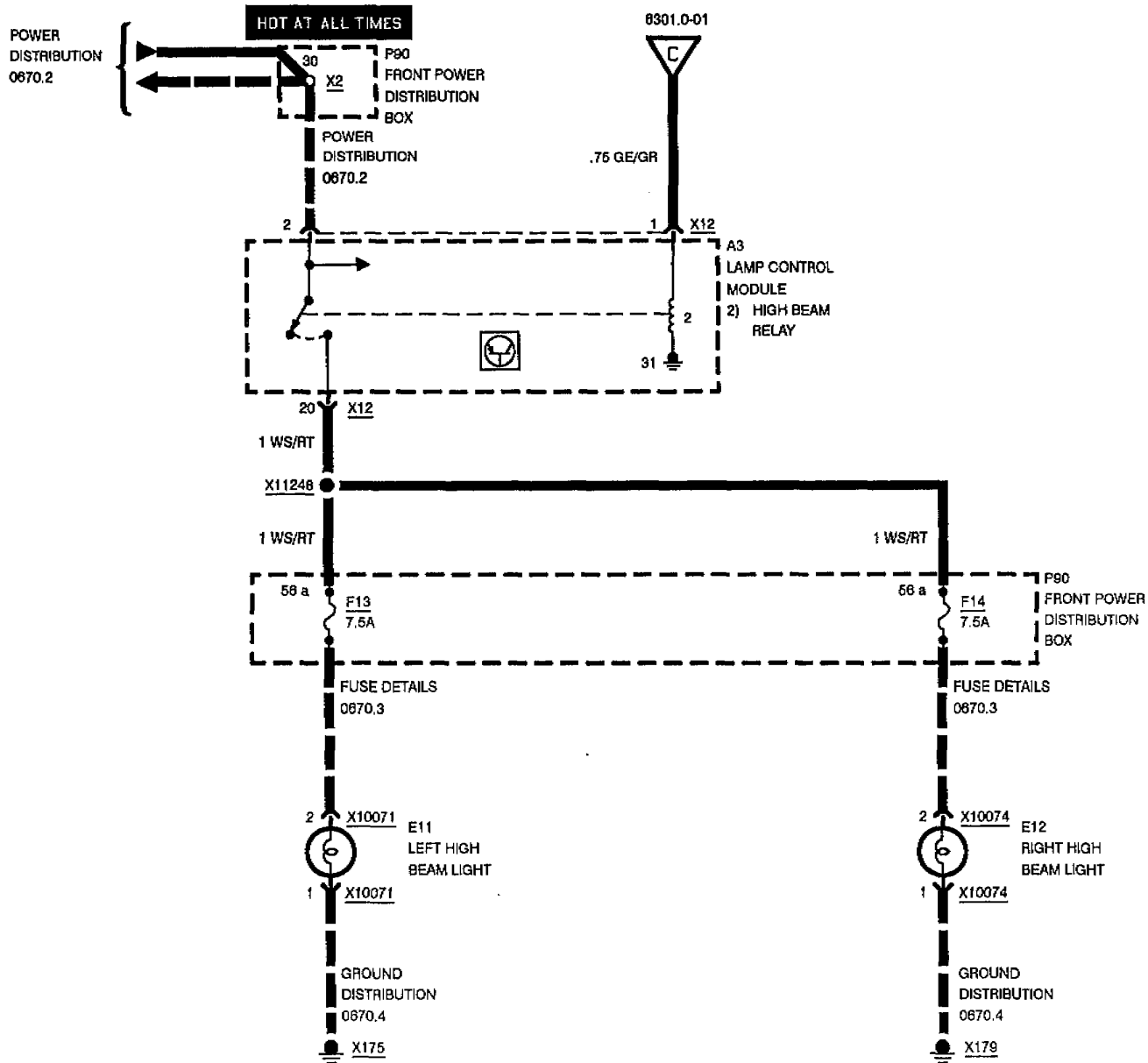
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LAMP MONITOR (LKM)



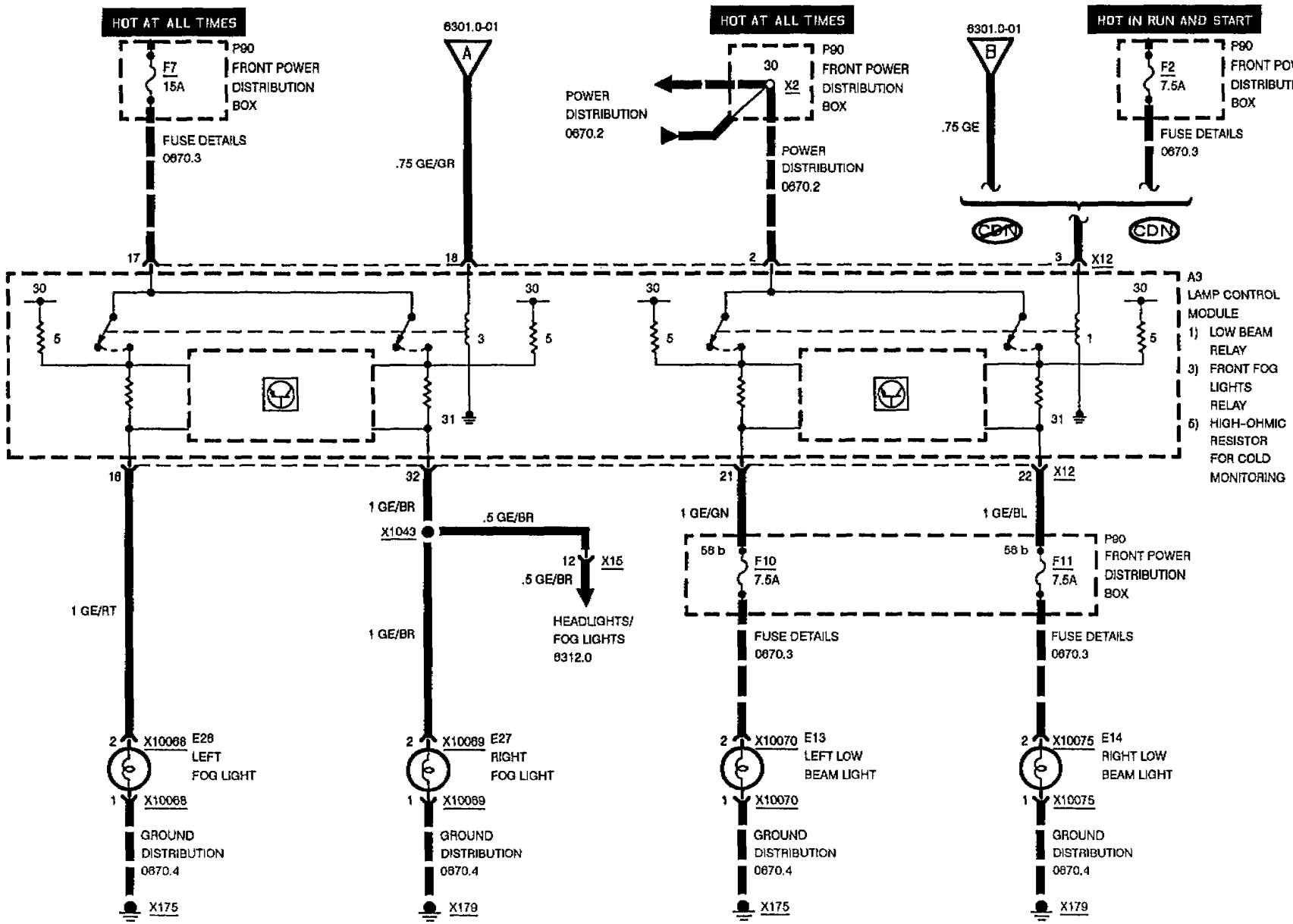
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LAMP MONITOR (LKM)



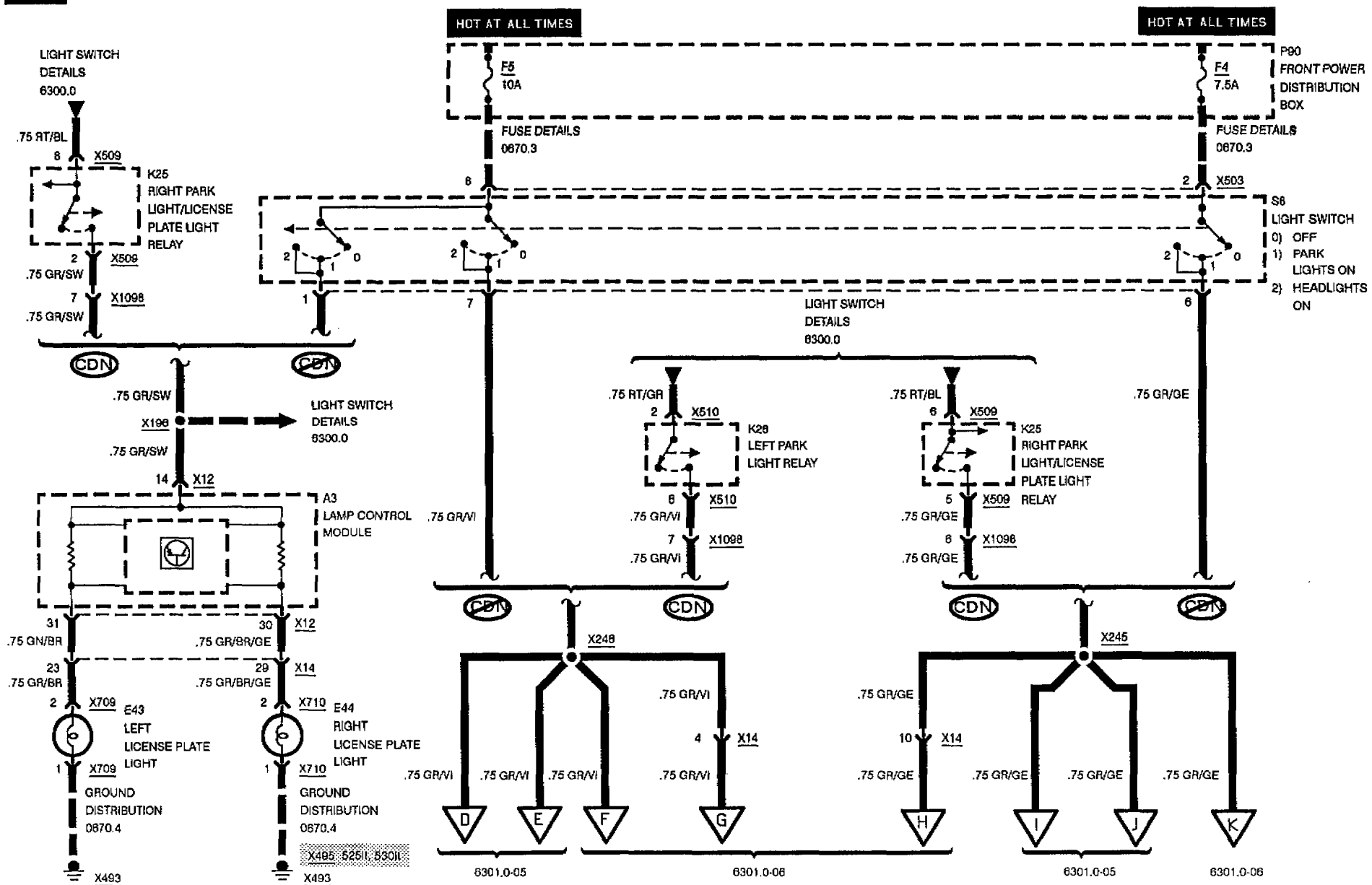
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LAMP MONITOR (LKM)



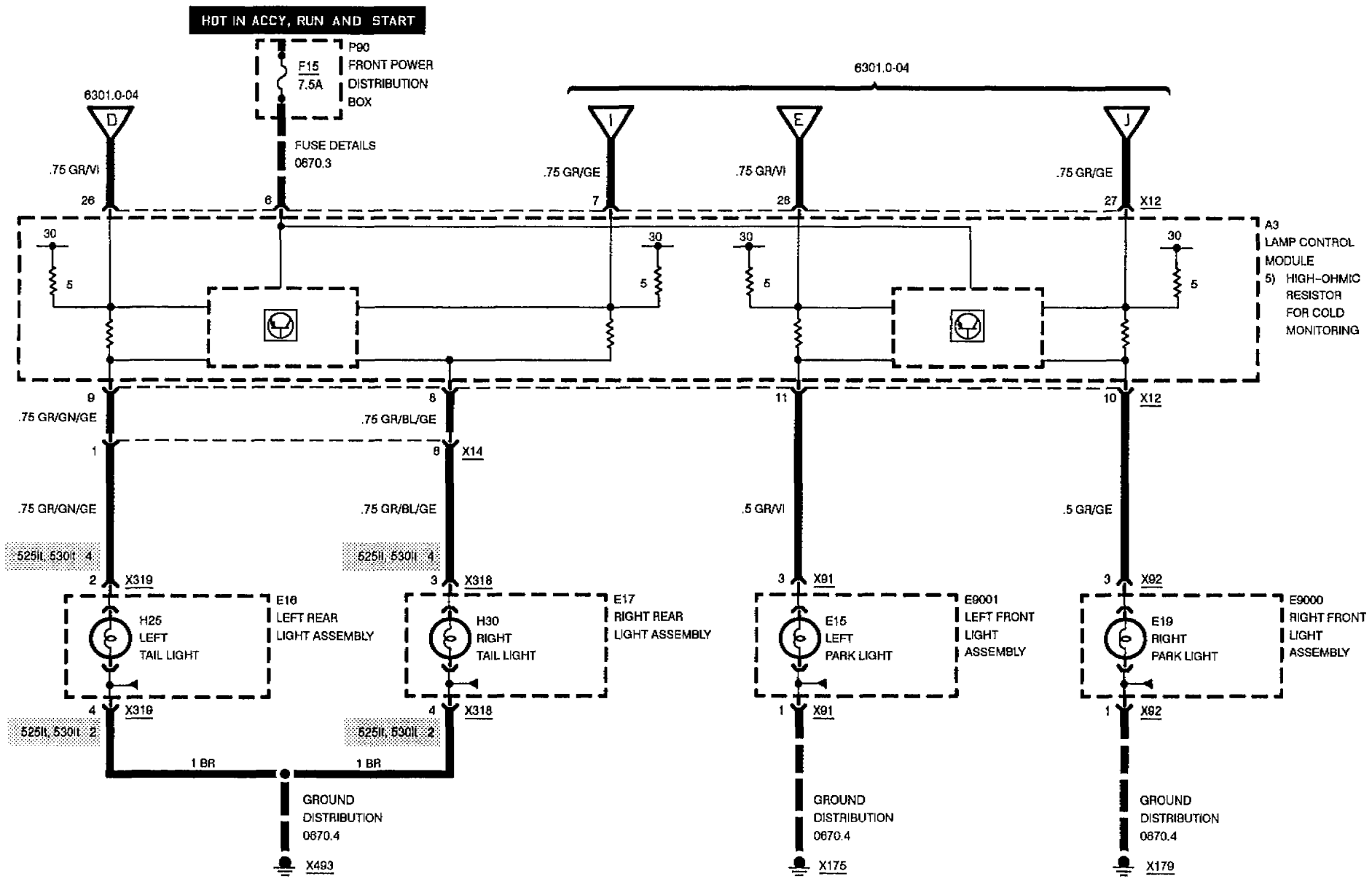
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LAMP MONITOR (LKM)



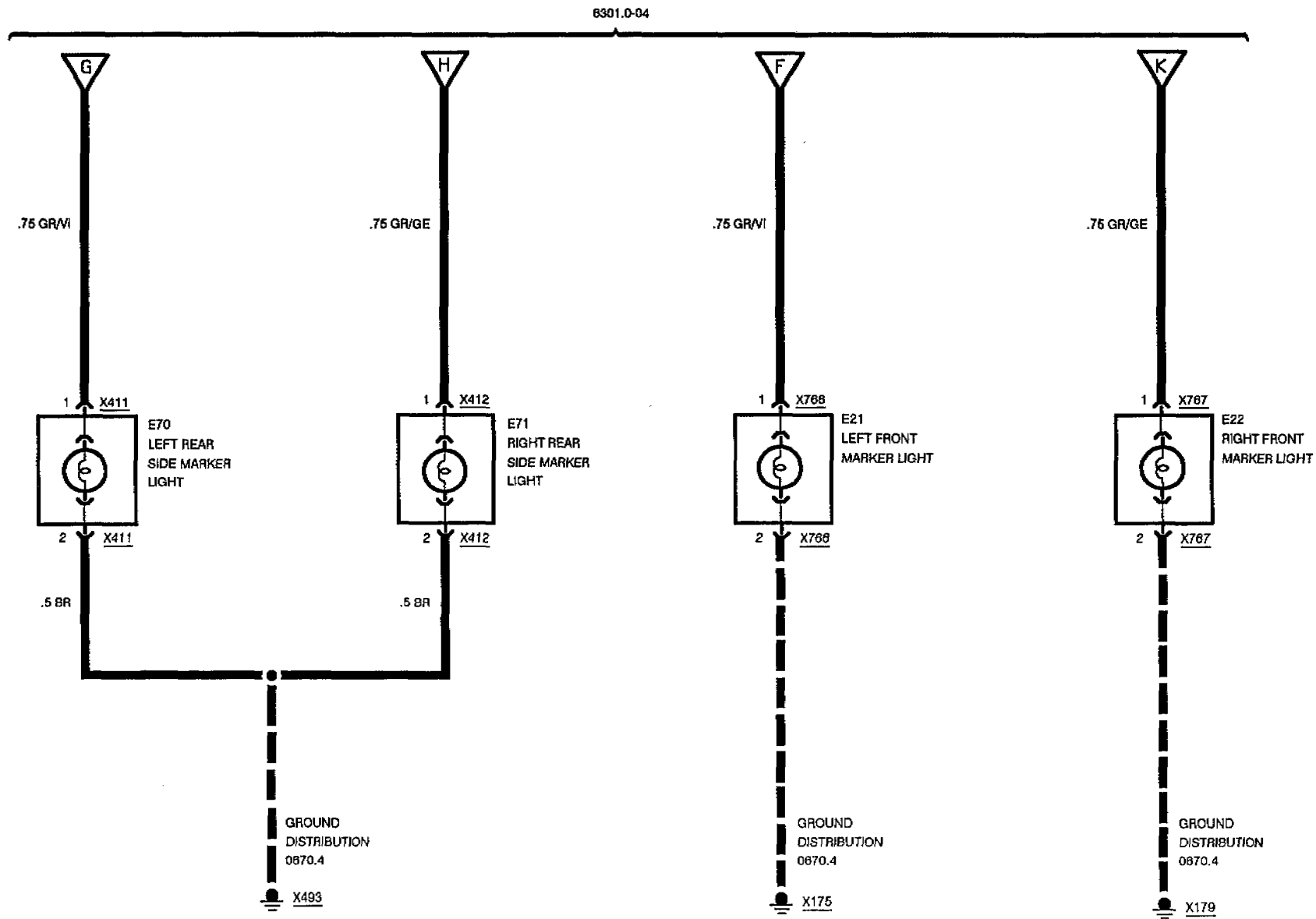
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LAMP MONITOR (LKM)



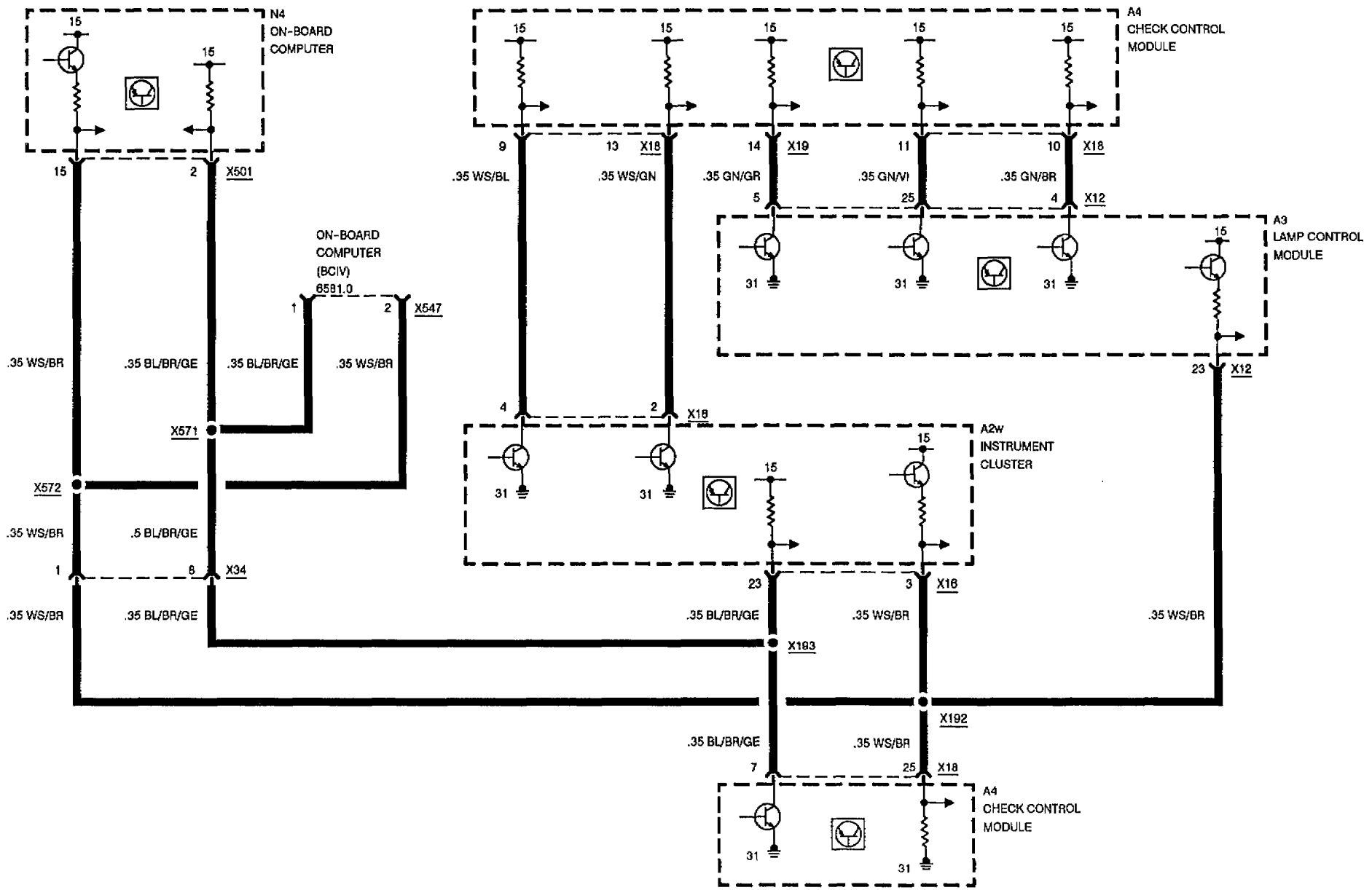
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LAMP MONITOR (LKM)



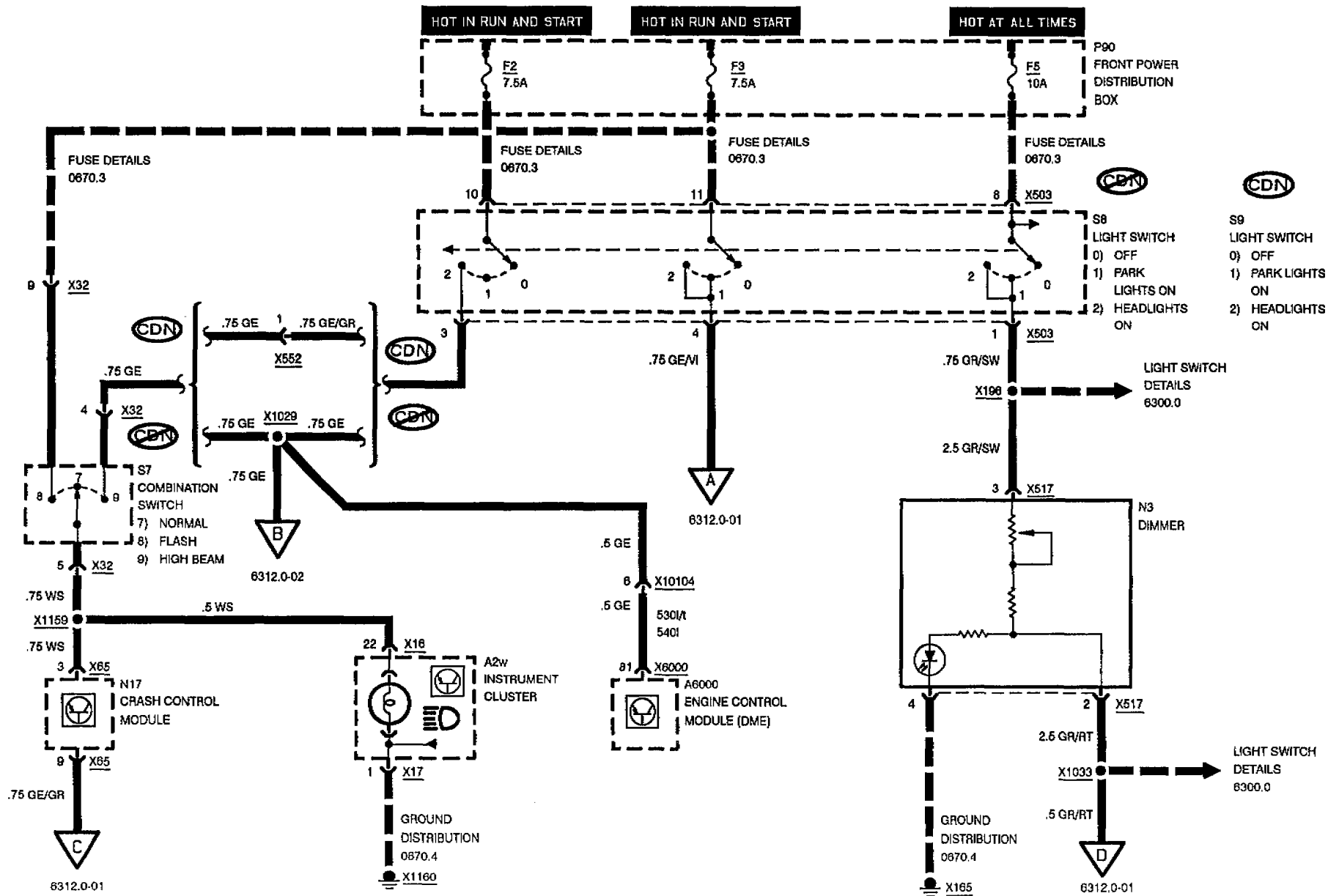
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LAMP MONITOR (LKM)



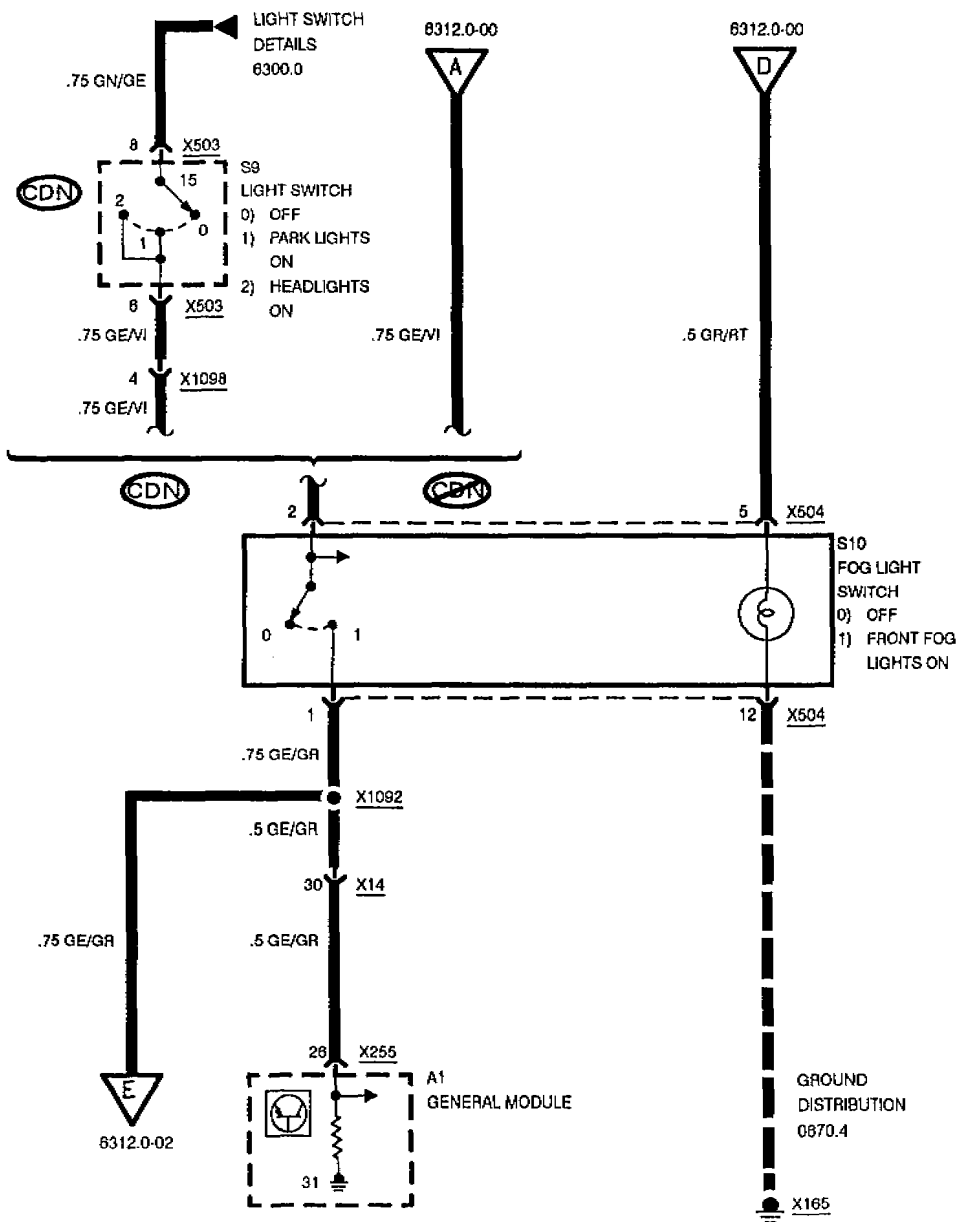
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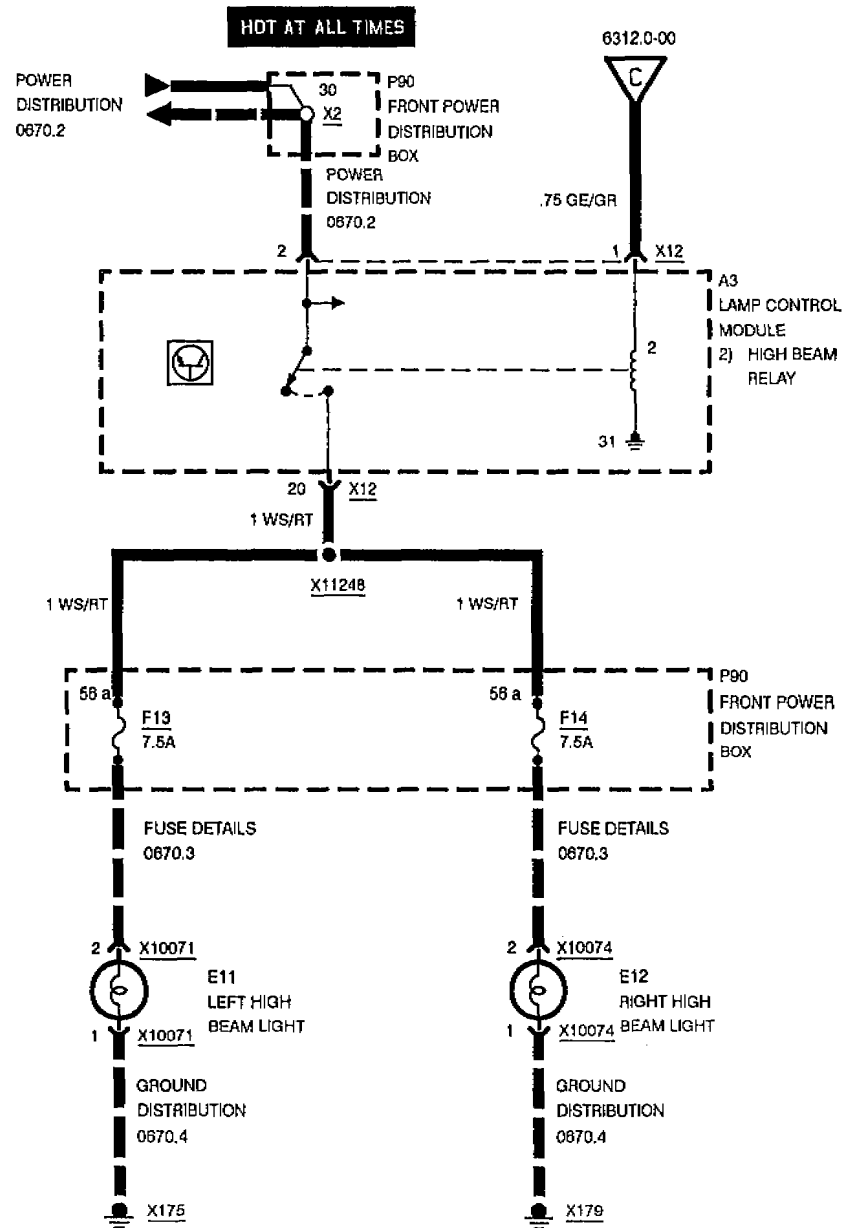
HEADLIGHTS/ FOG LIGHTS



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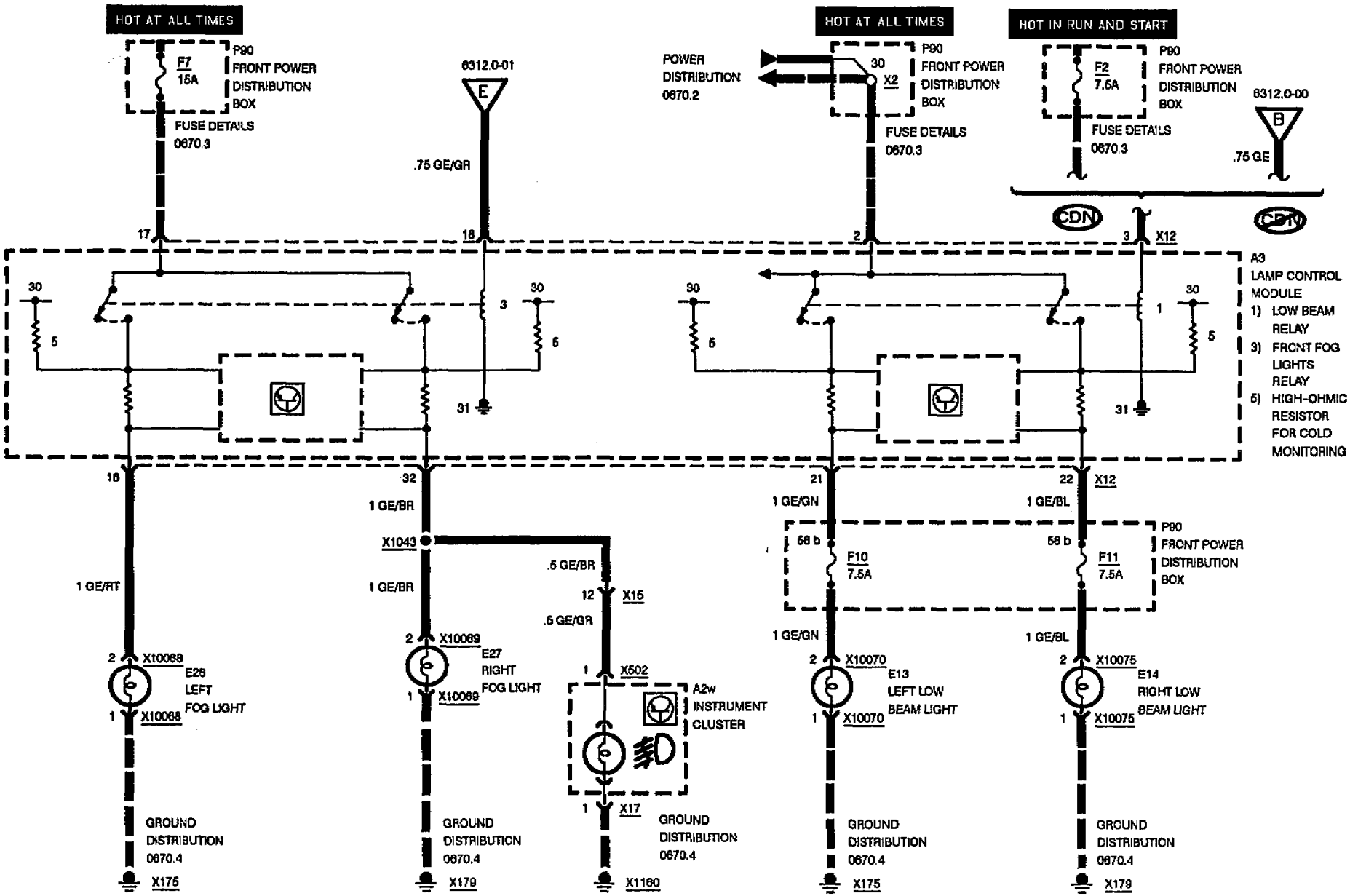
HEADLIGHTS/ FOG LIGHTS





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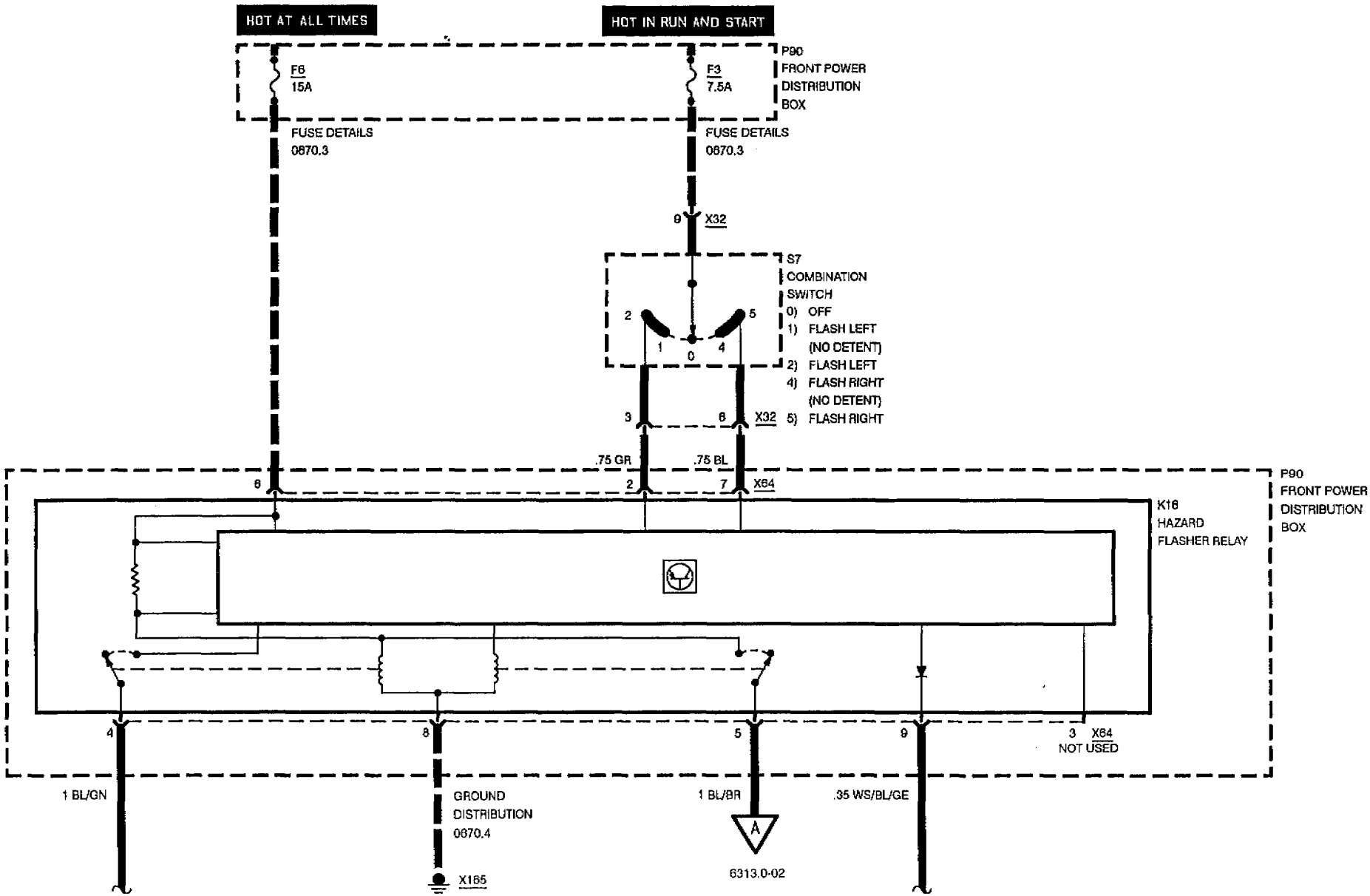
HEADLIGHTS/ FOG LIGHTS



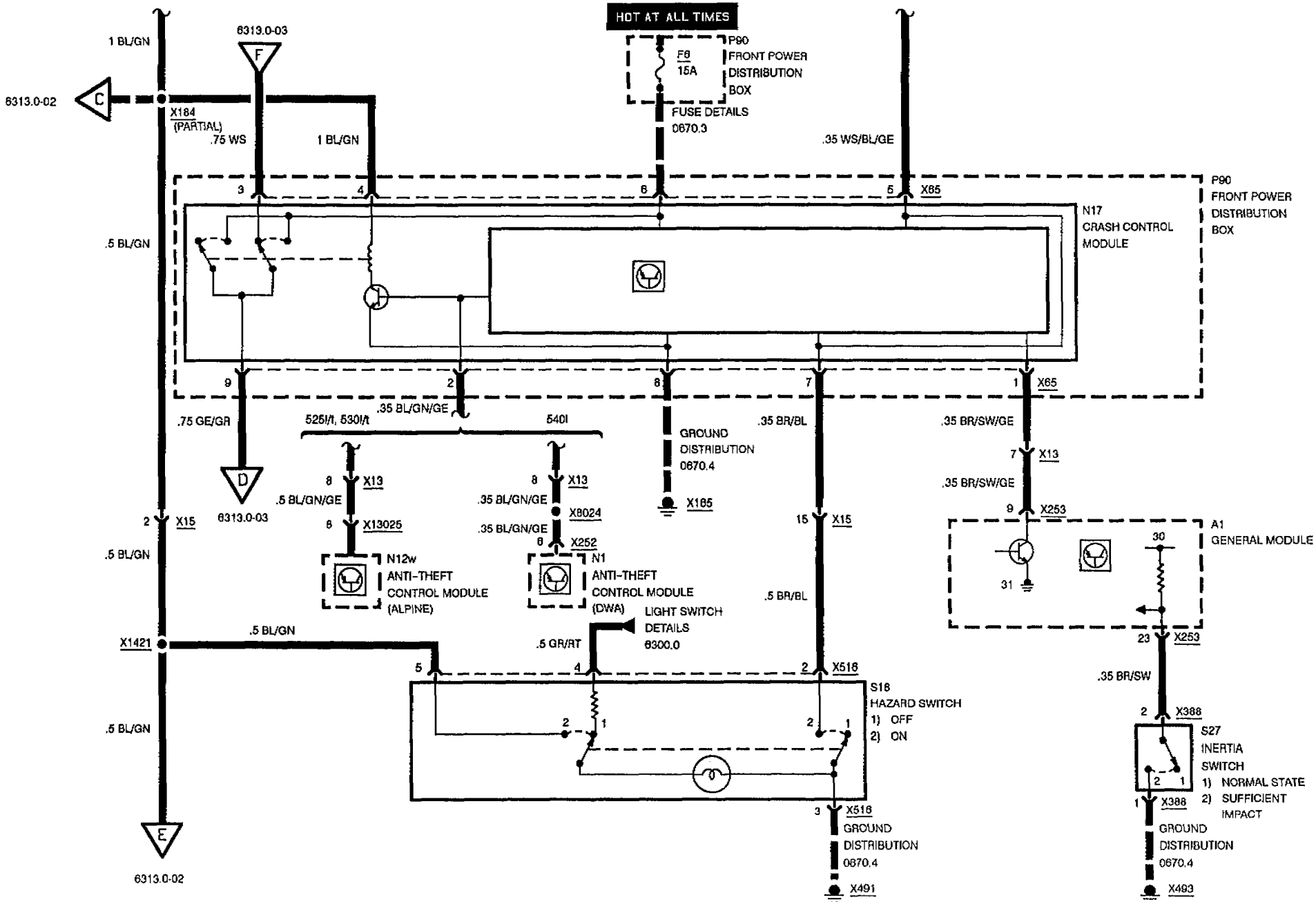
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TURN/HAZARD LIGHTS

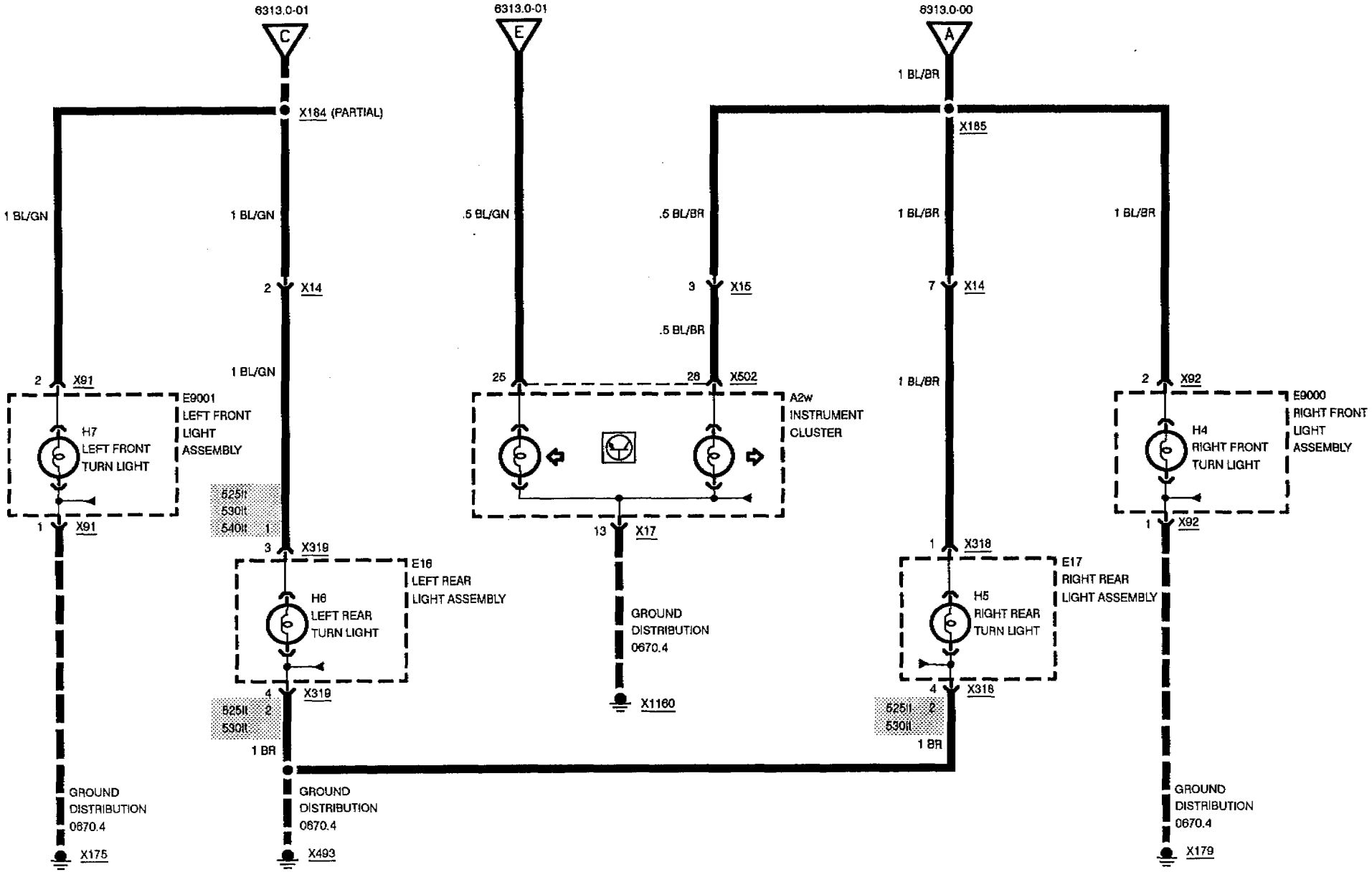


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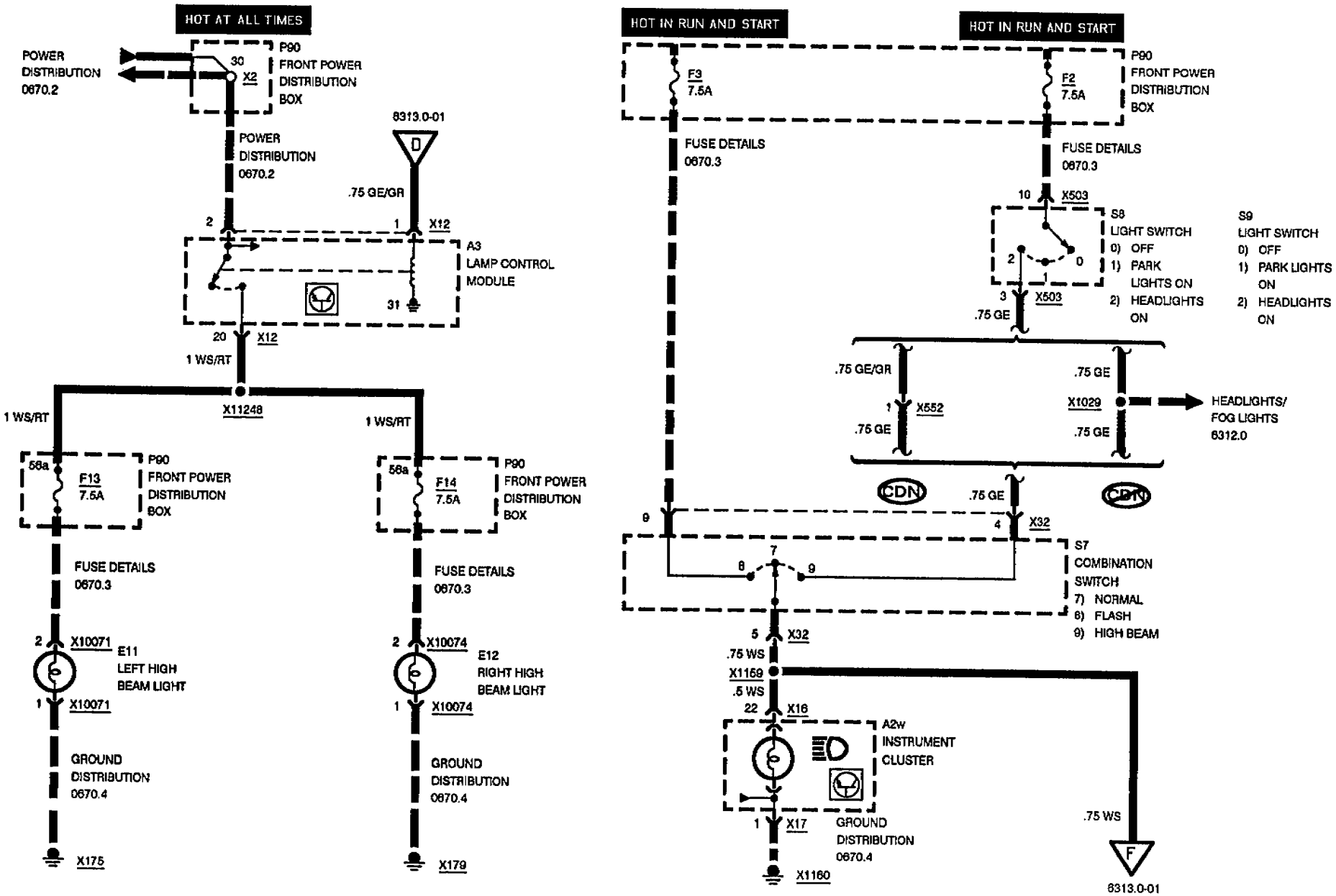
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TURN/HAZARD LIGHTS



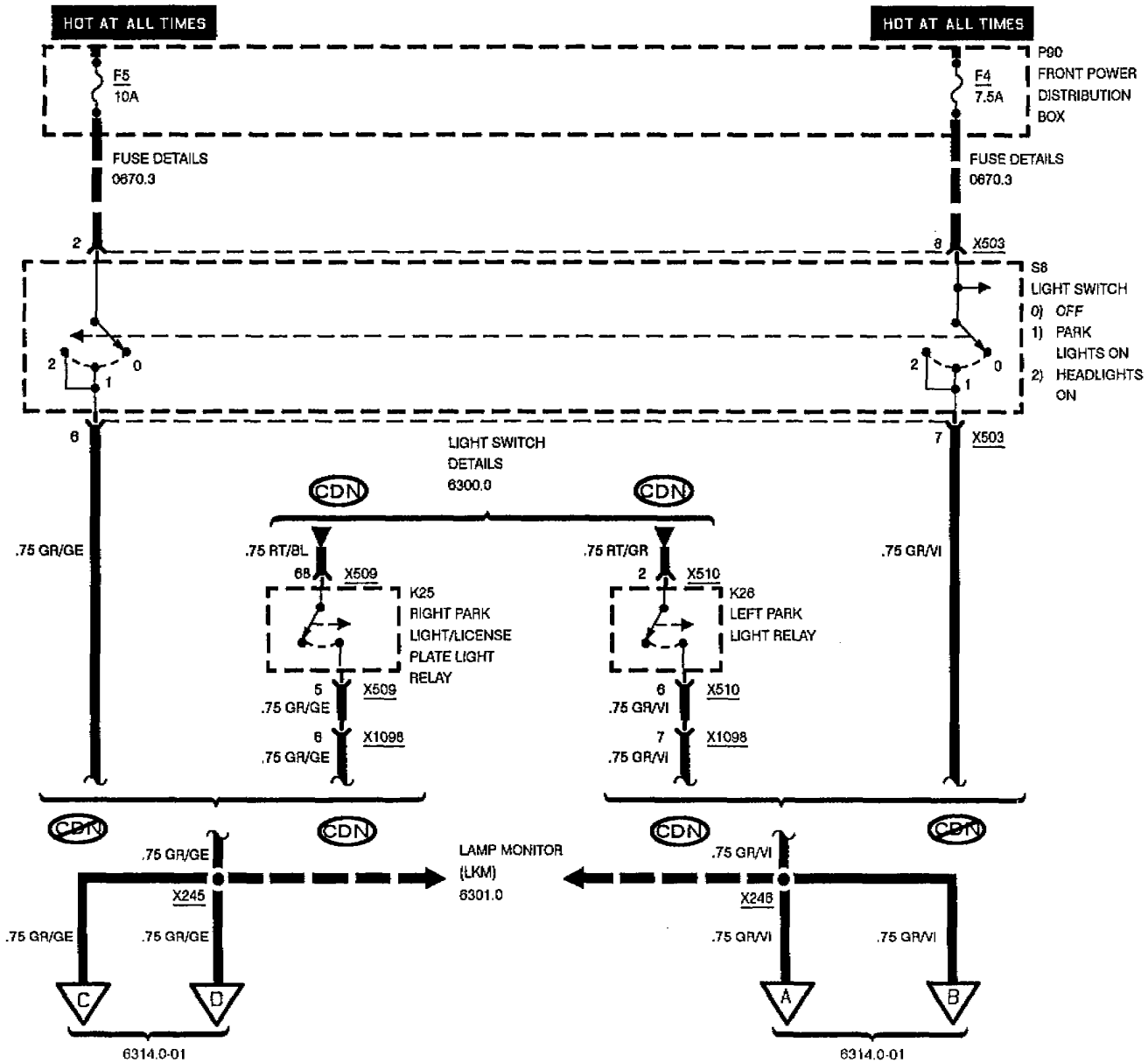
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TURN/HAZARD LIGHTS



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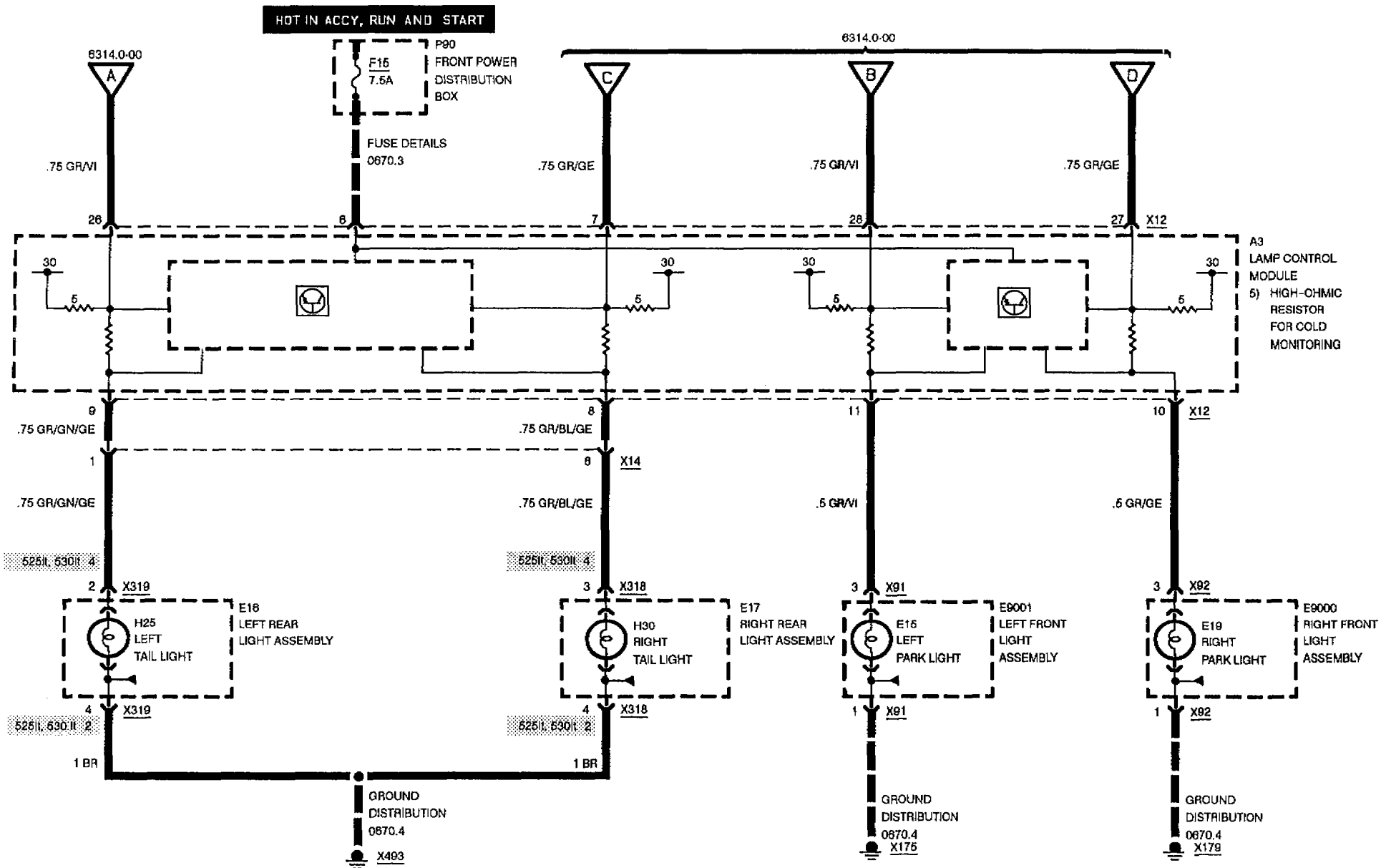
PARK/TAIL LIGHTS



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PARK/TAIL LIGHTS

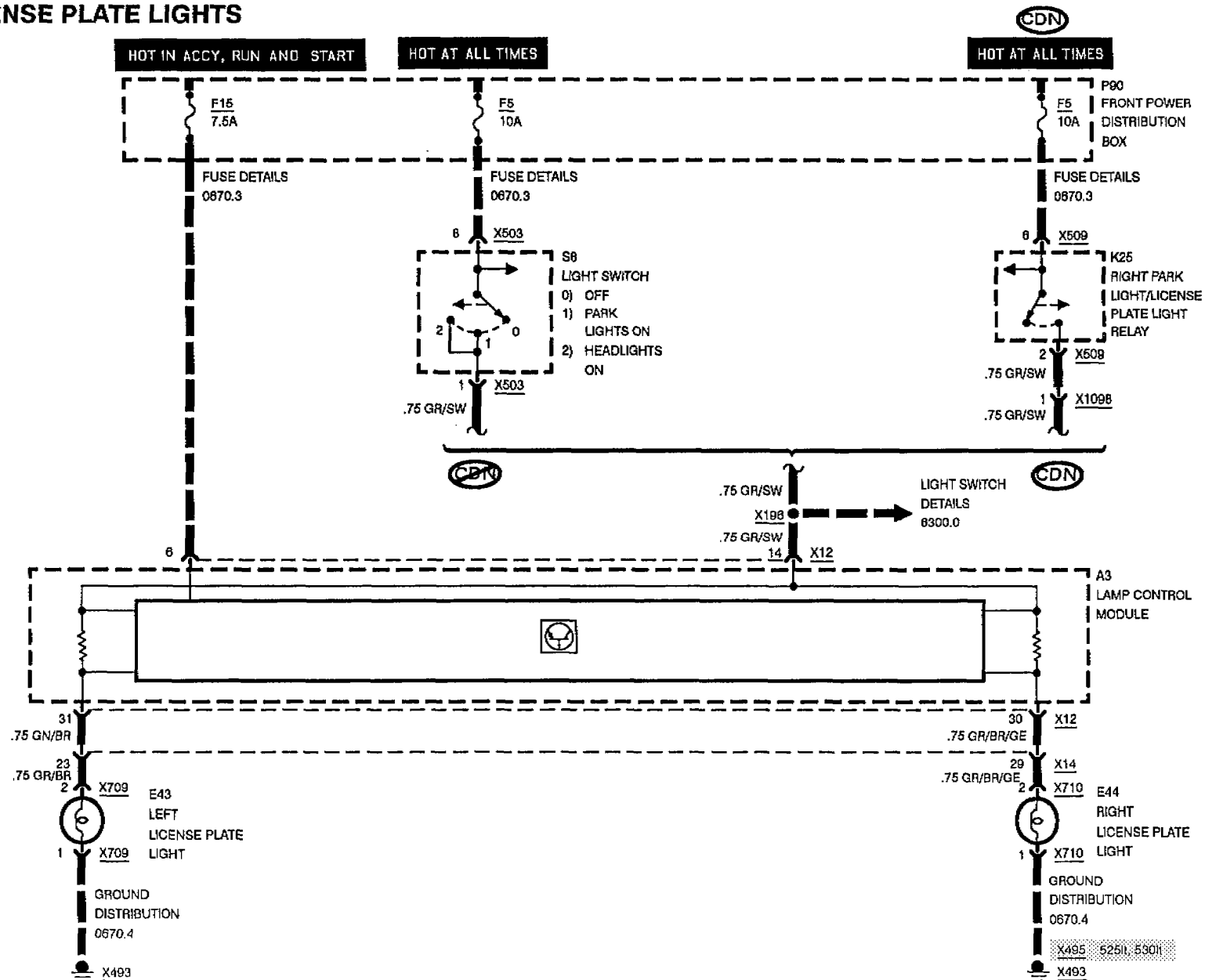
FRONT AND REAR PARK LIGHTS



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LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS

LICENSE PLATE LIGHTS

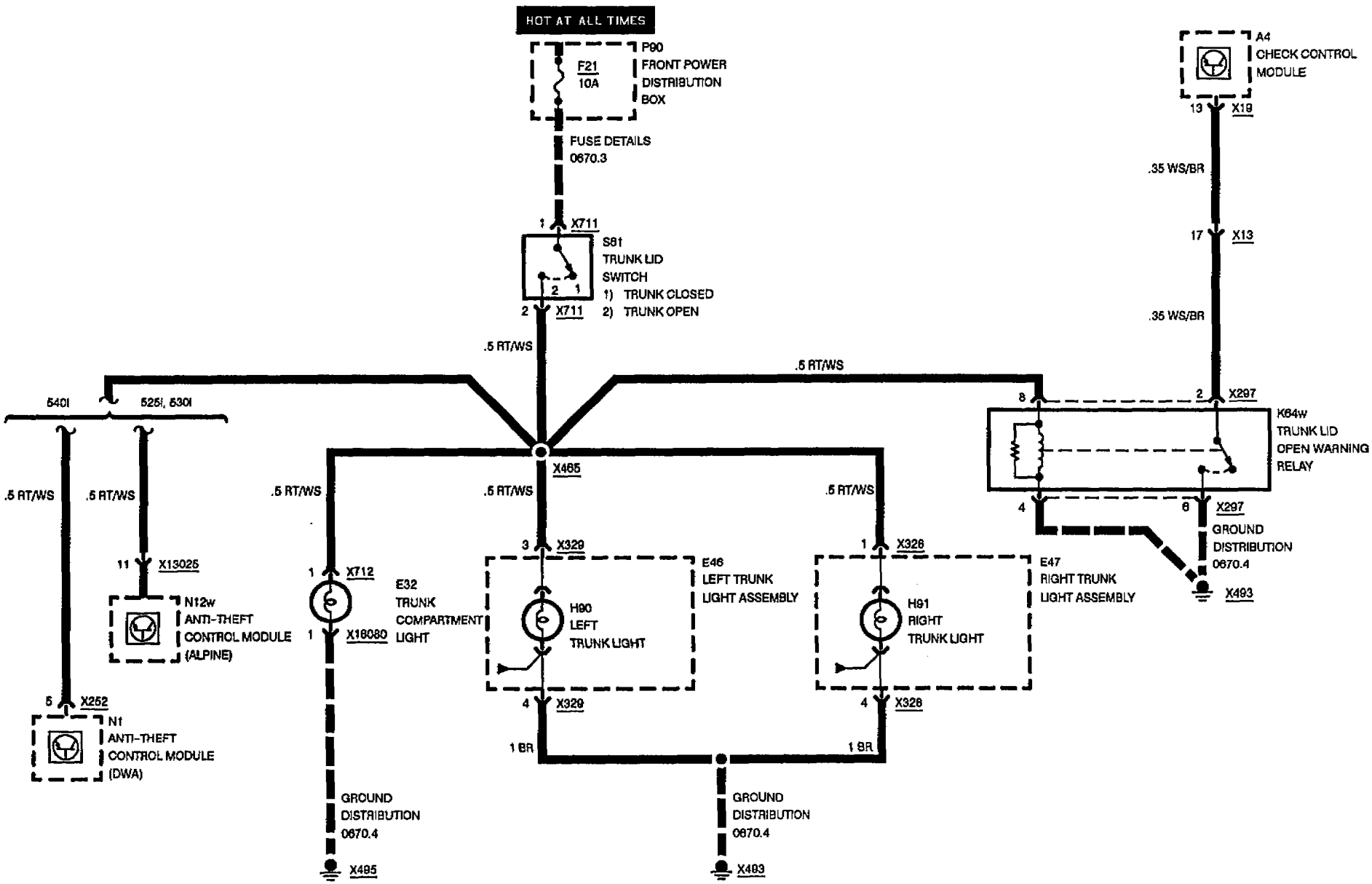


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LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS

525i, 530i, 540i

TRUNK LIGHTS

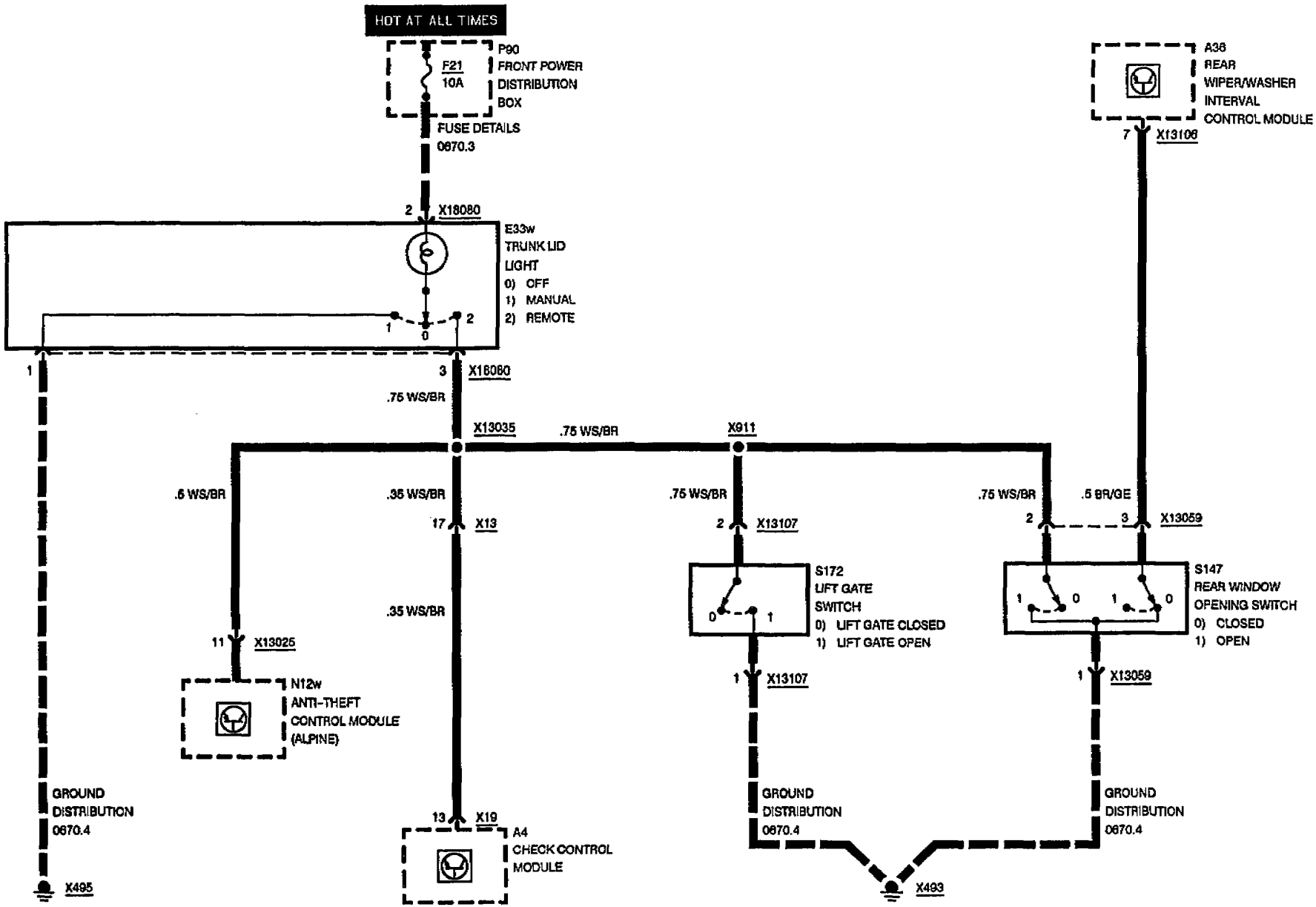


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LICENSE PLATE/ LUGGAGE COMPARTMENT LIGHTS

525it, 530it

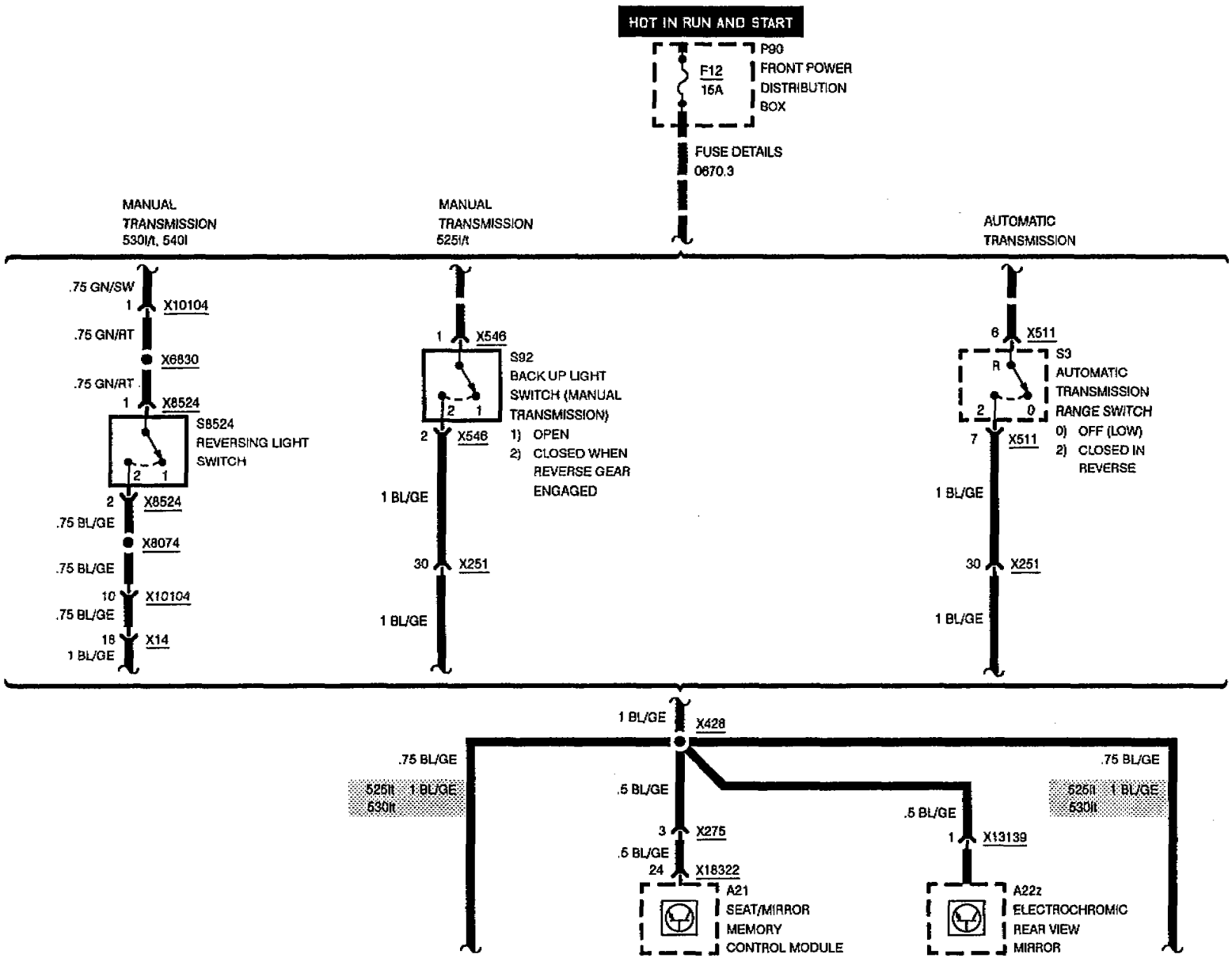
TRUNK LIGHTS



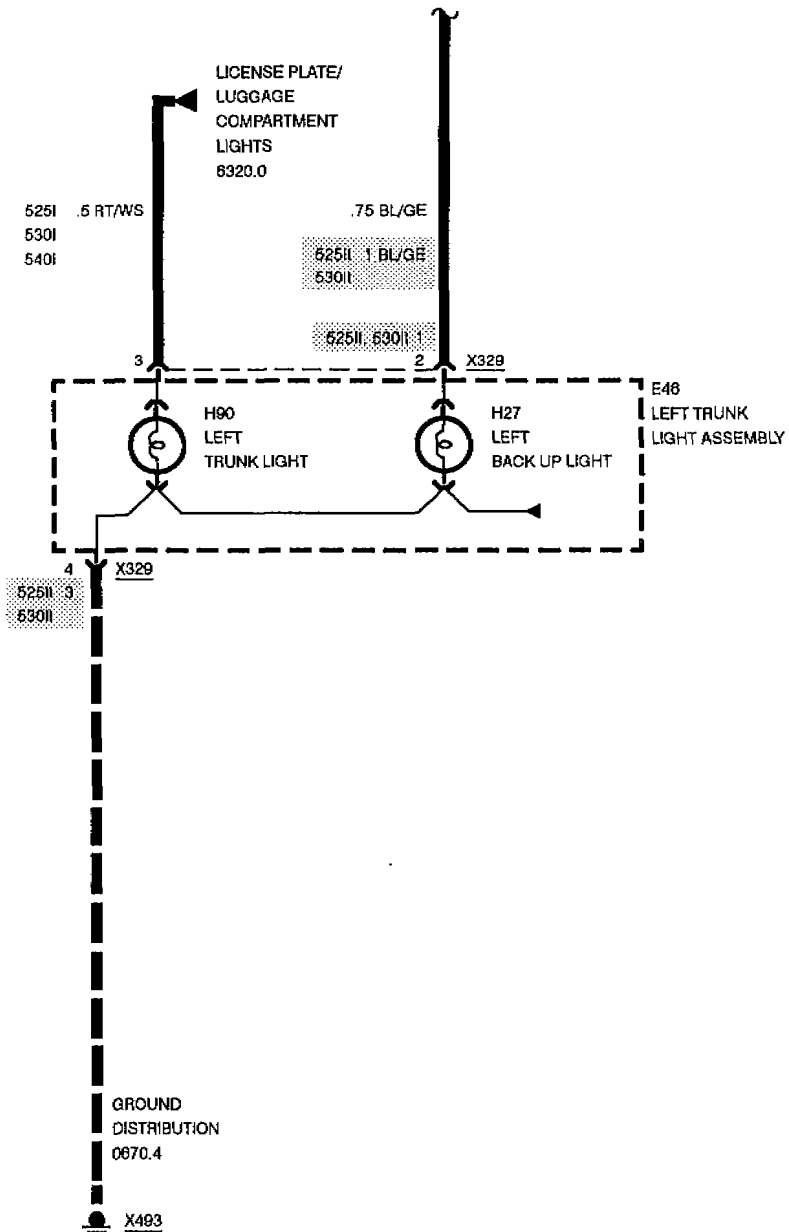
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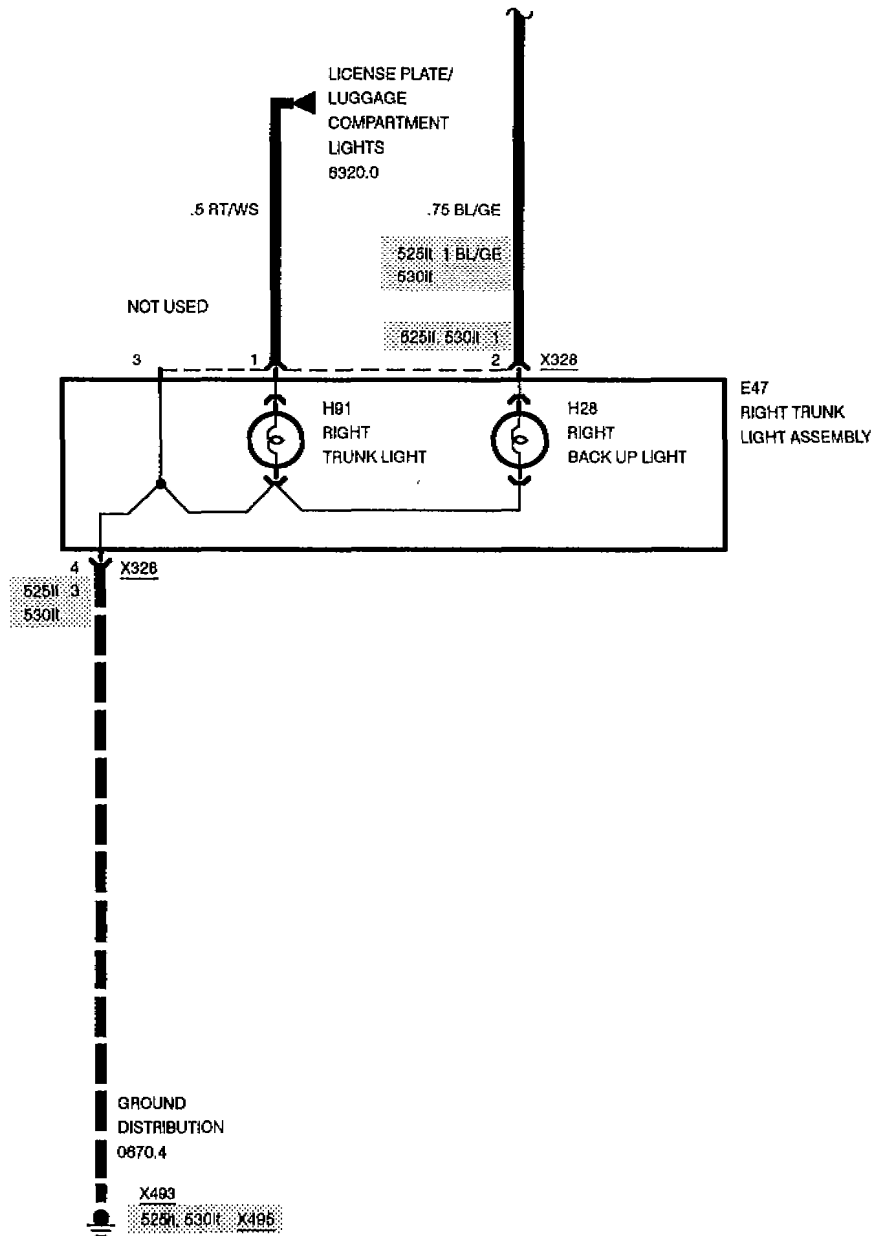
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BACK UP LIGHTS



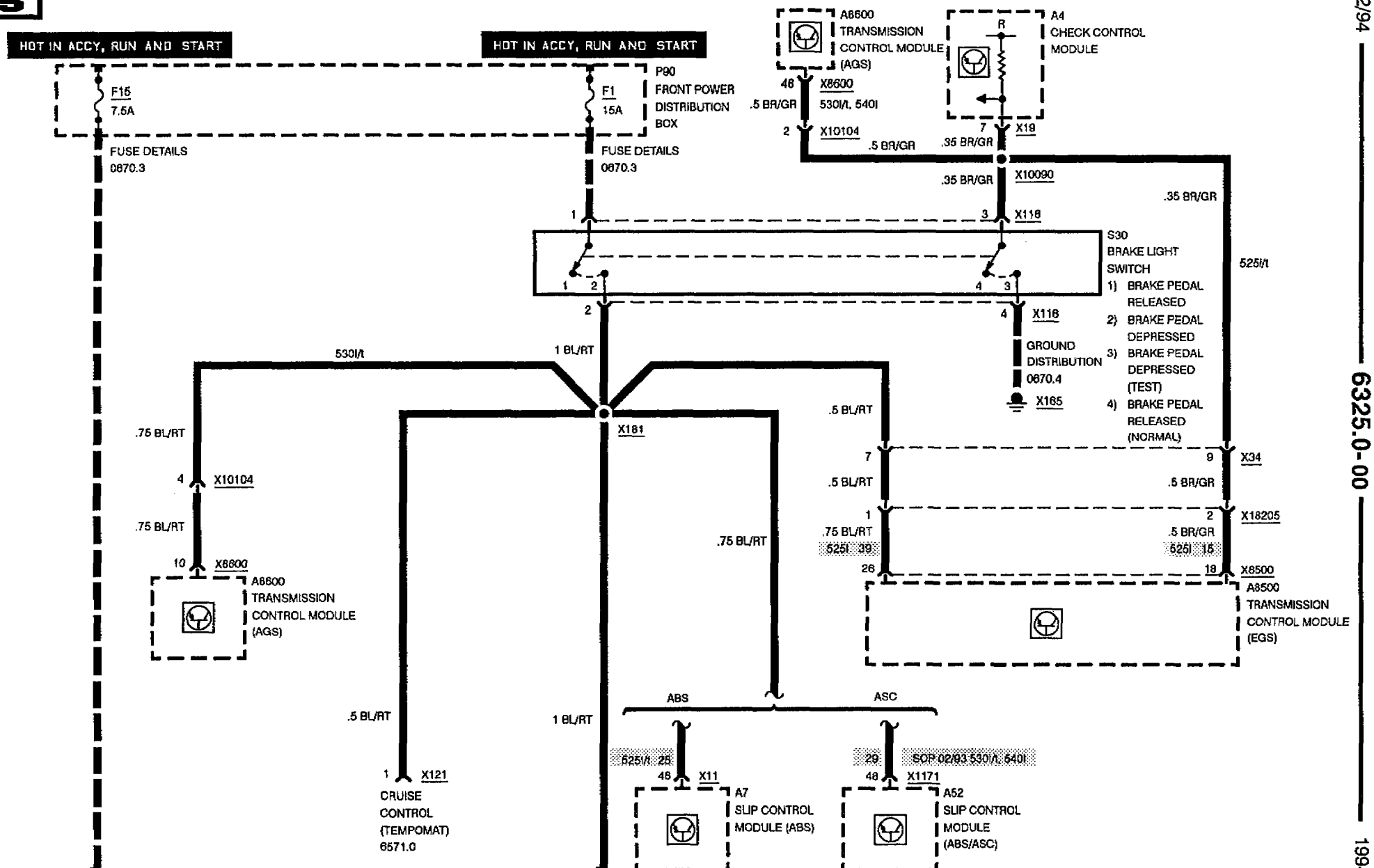
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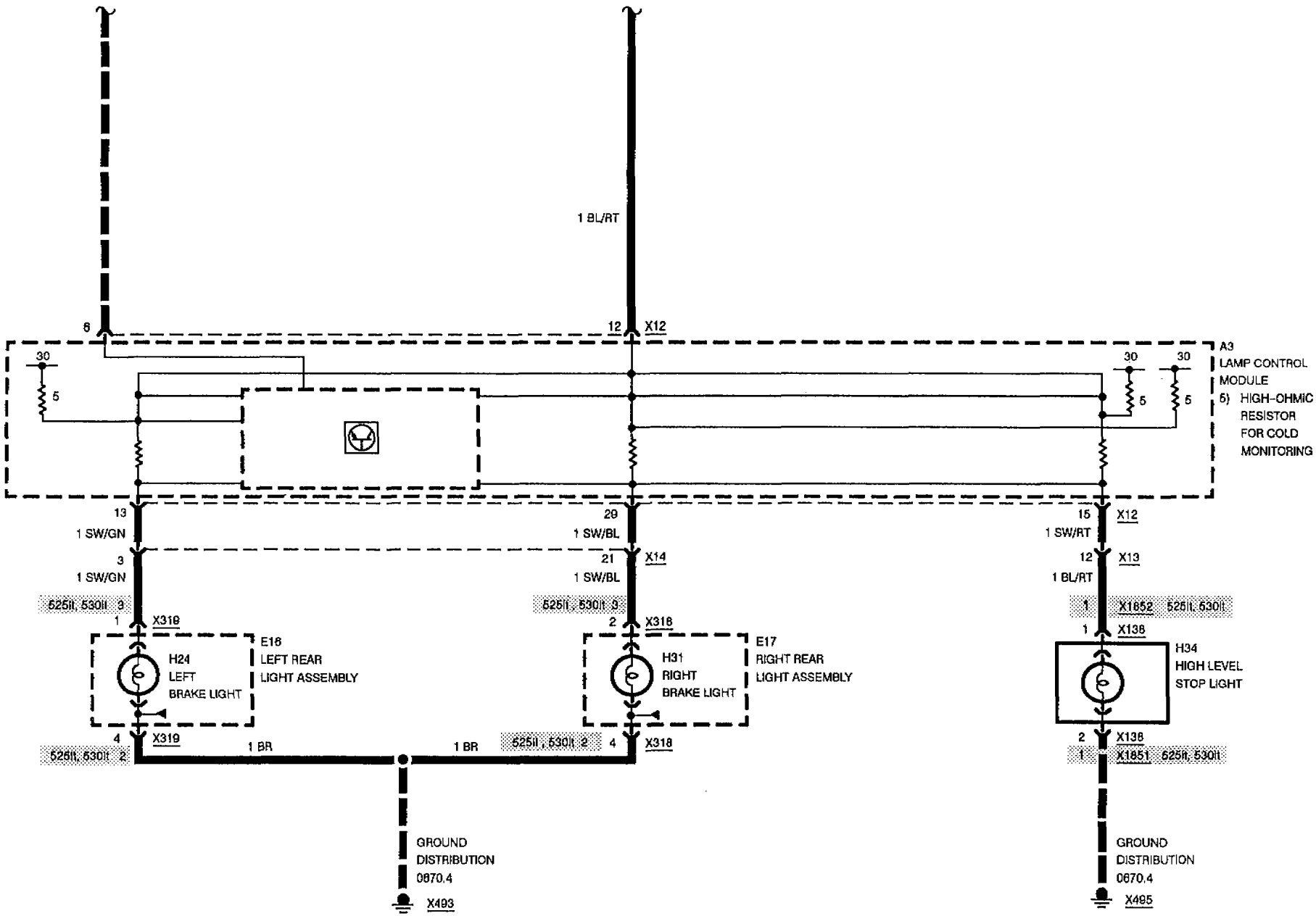


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BRAKE LIGHTS



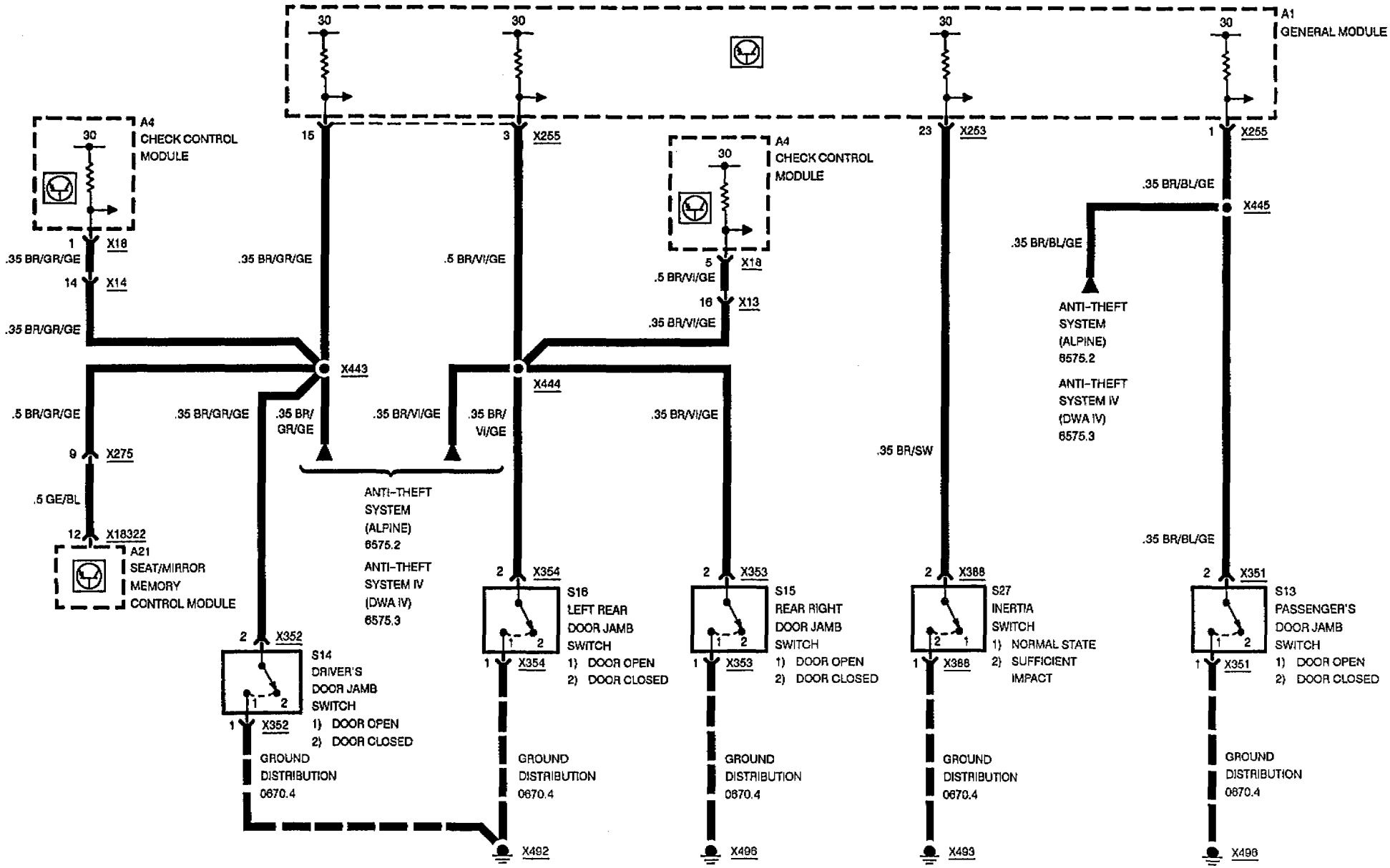
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ZKE INTERIOR LIGHTS CONTROL (IB)

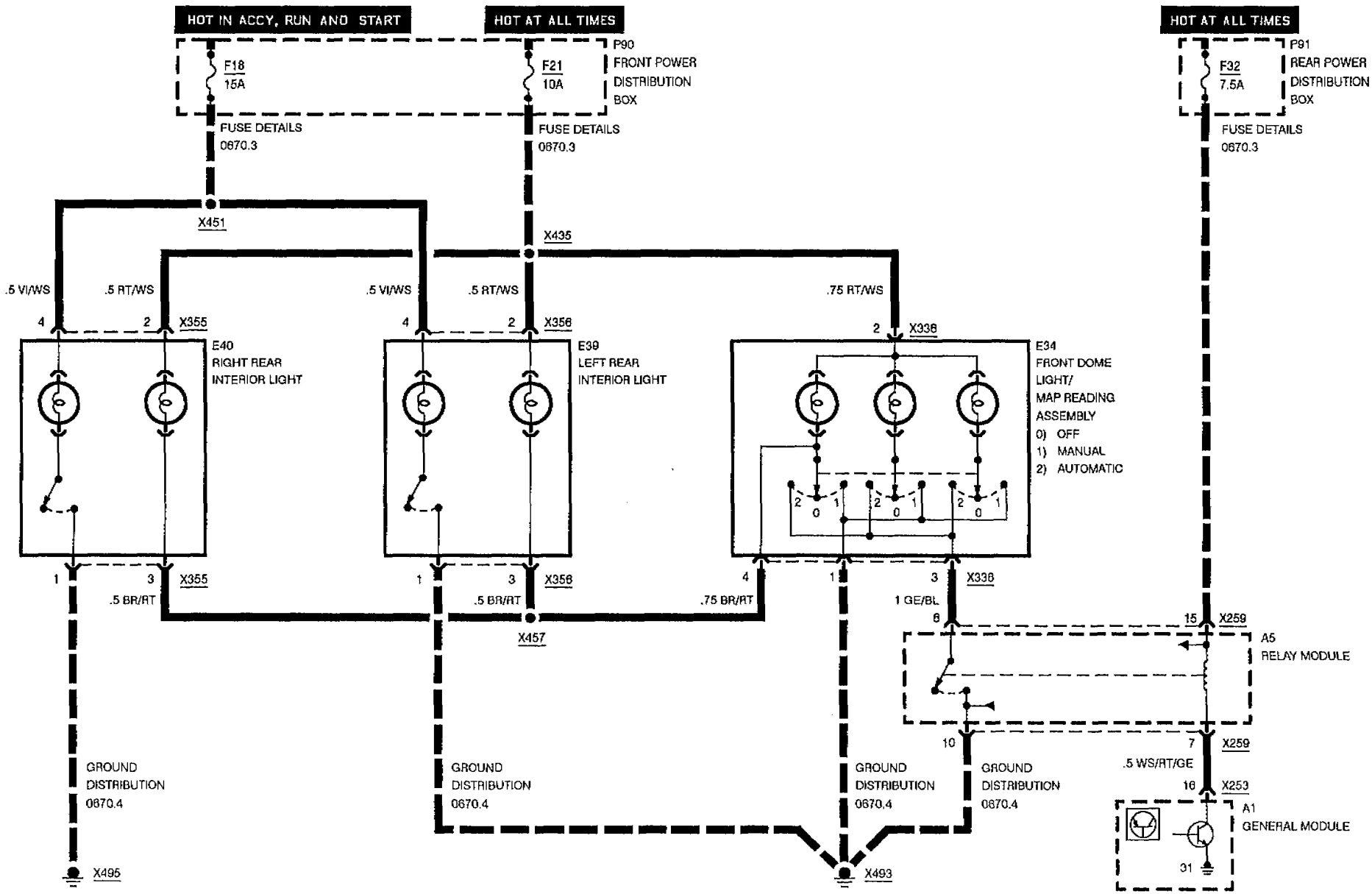
INPUT DETAILS



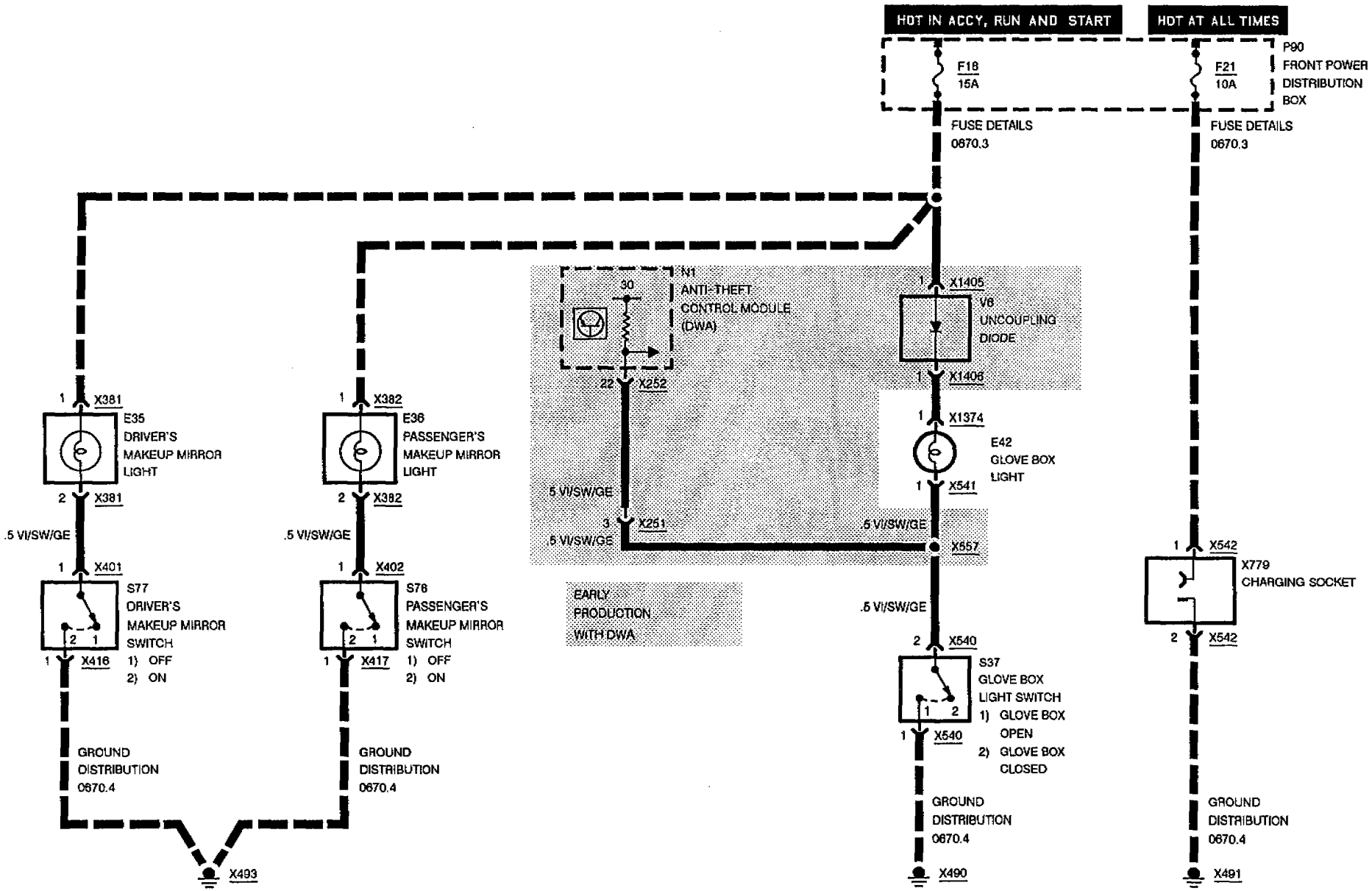
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ZKE INTERIOR LIGHTS CONTROL (IB)

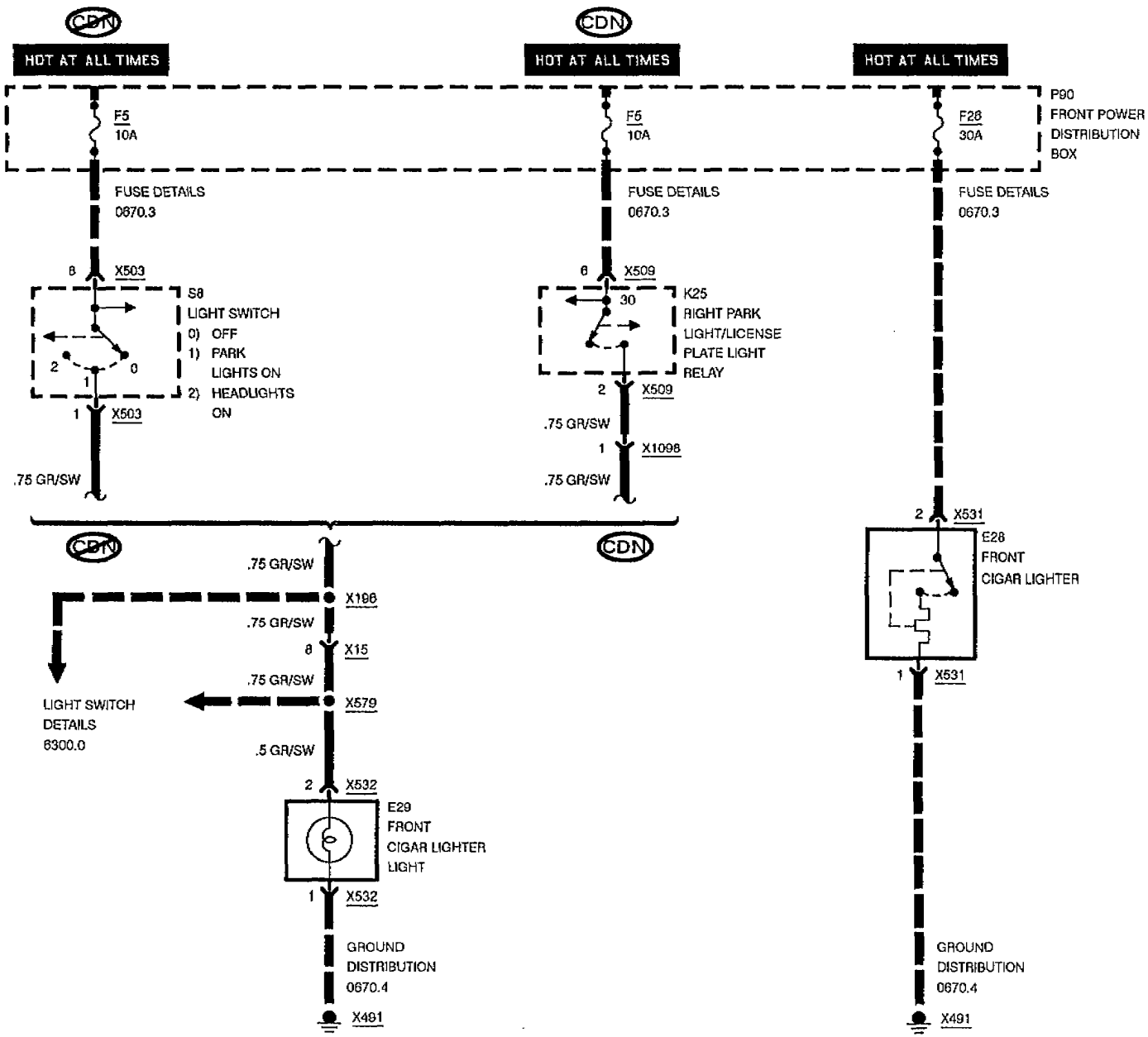
OUTPUT DETAILS



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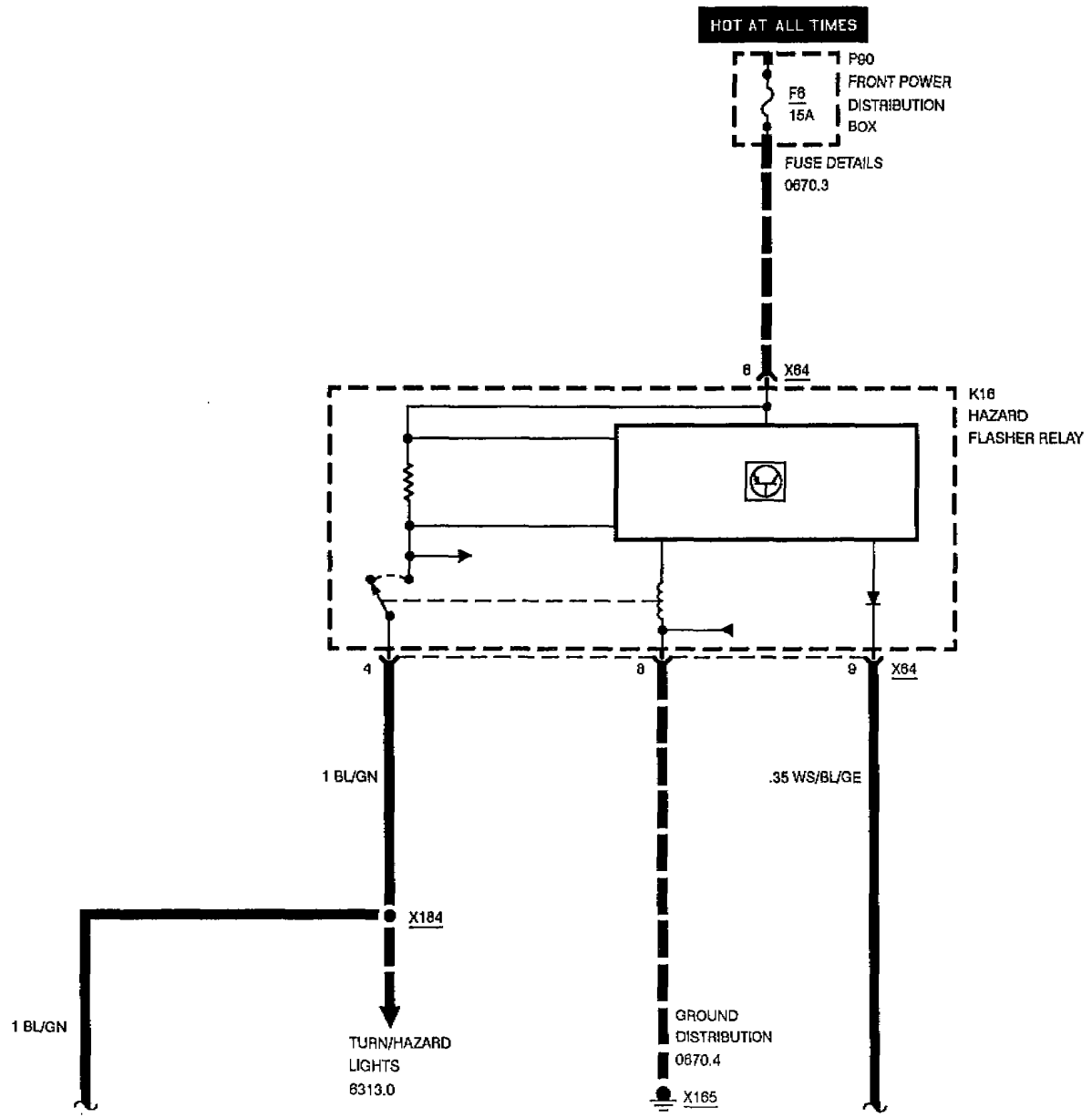


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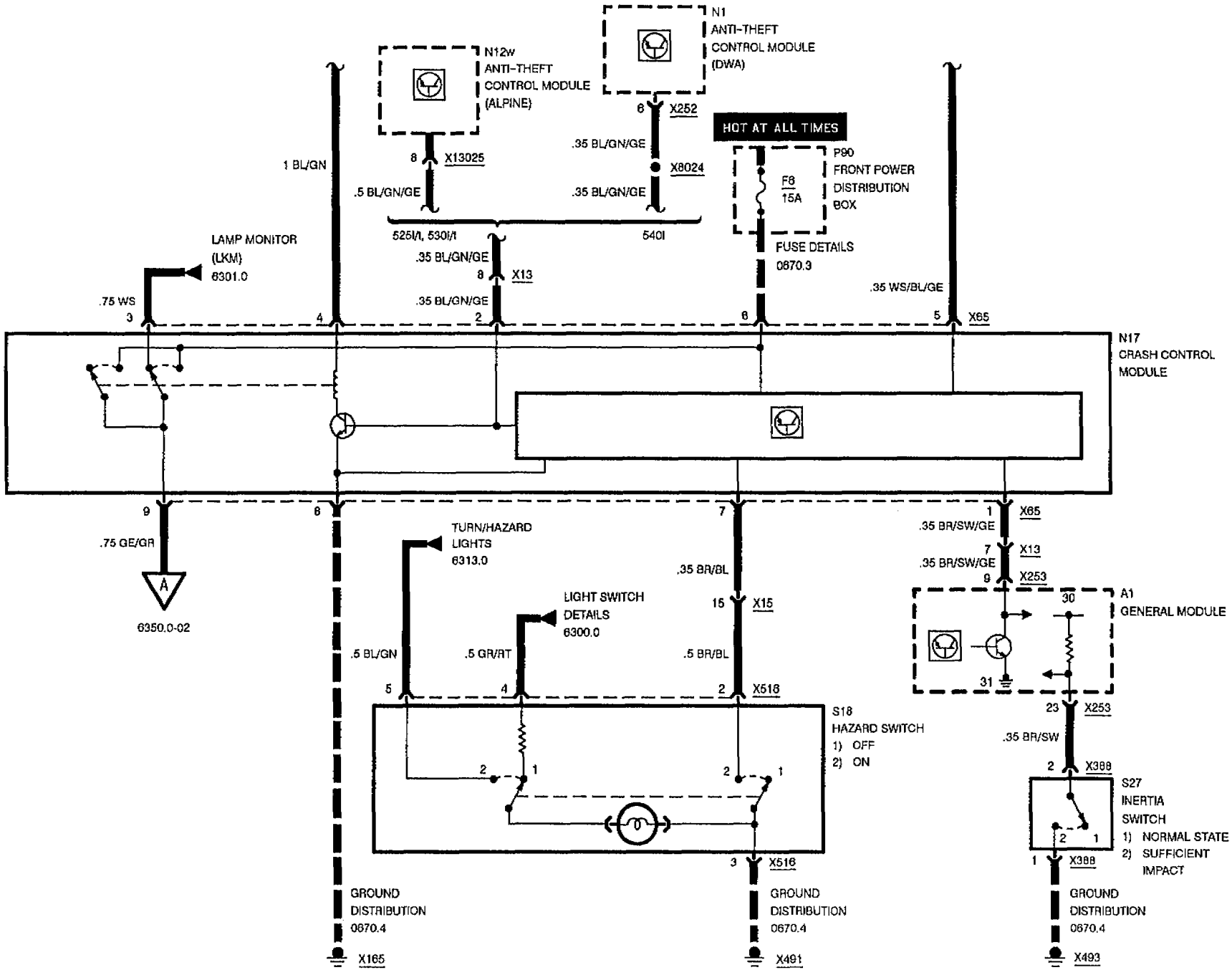


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CRASH CONTROL MODULE

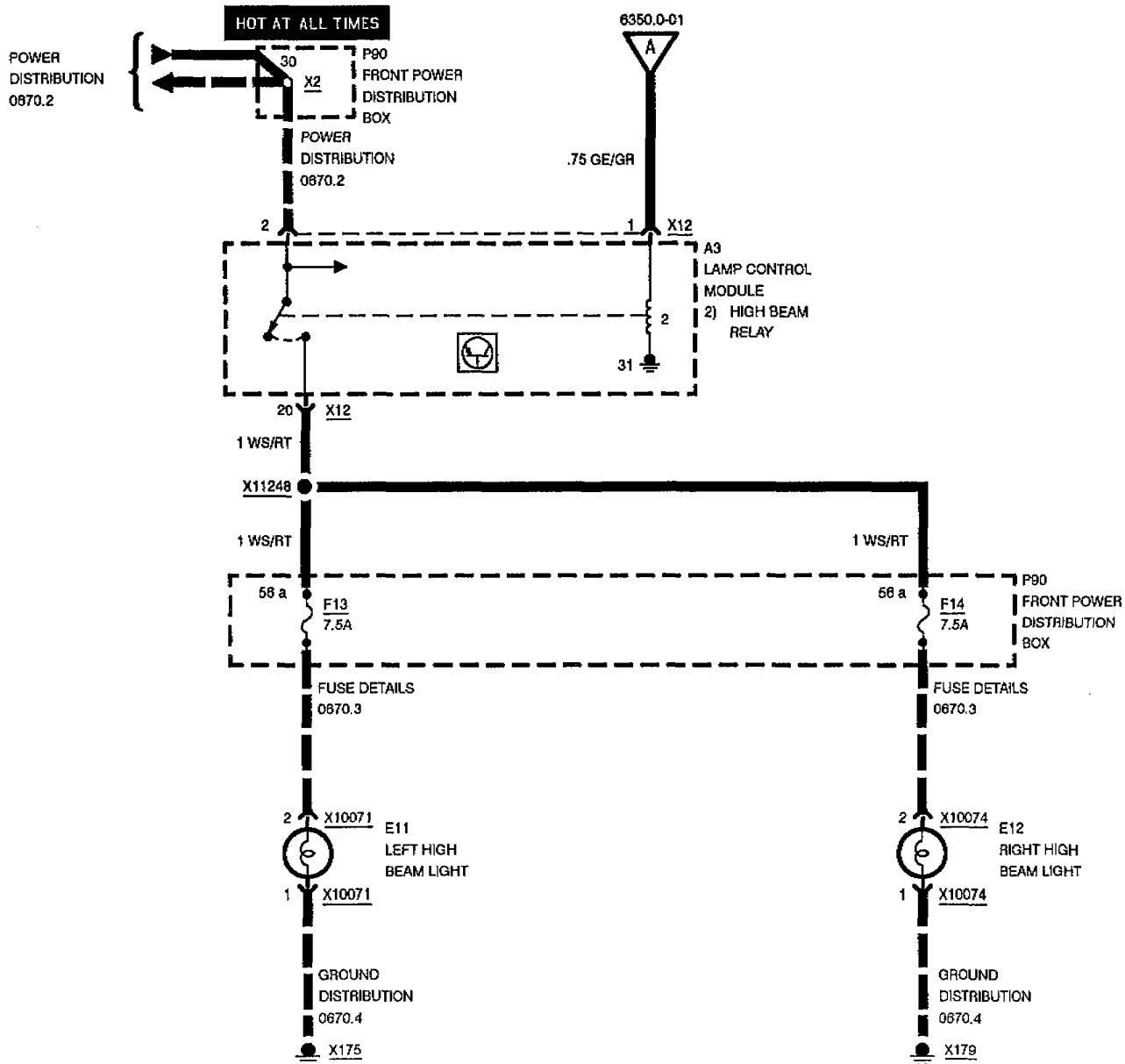


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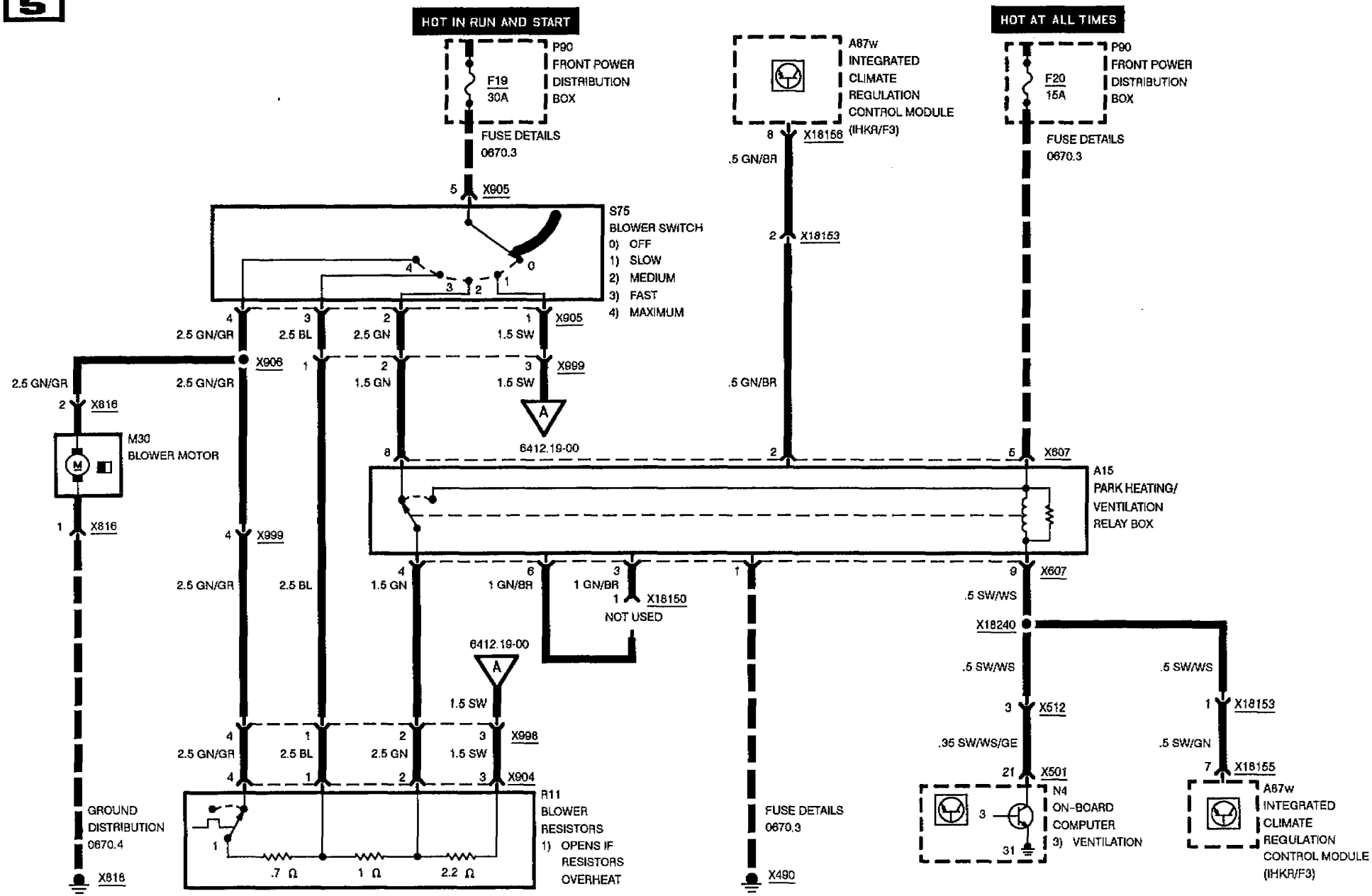
CRASH CONTROL MODULE



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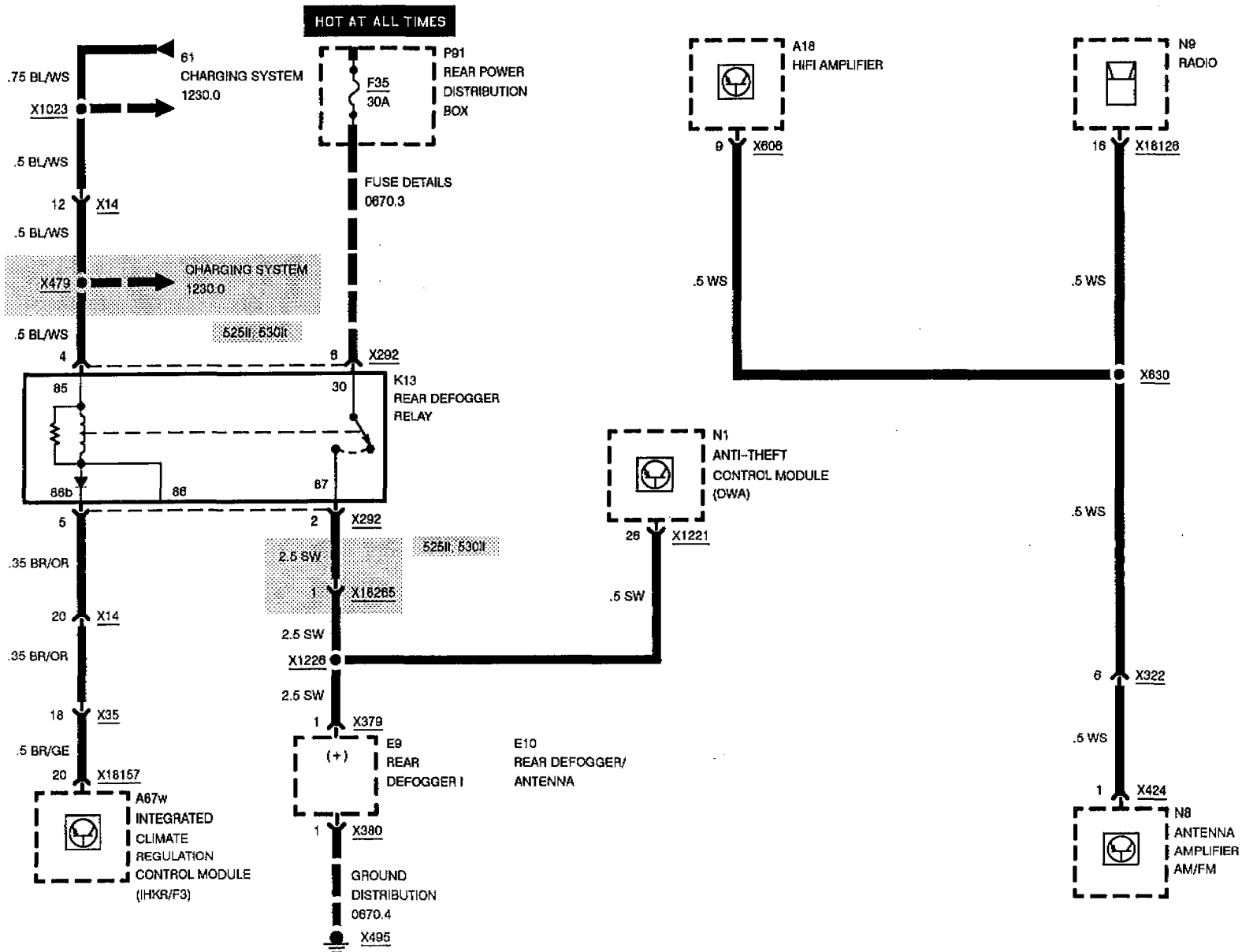
PARK VENTILATION WITH IHKR/F3



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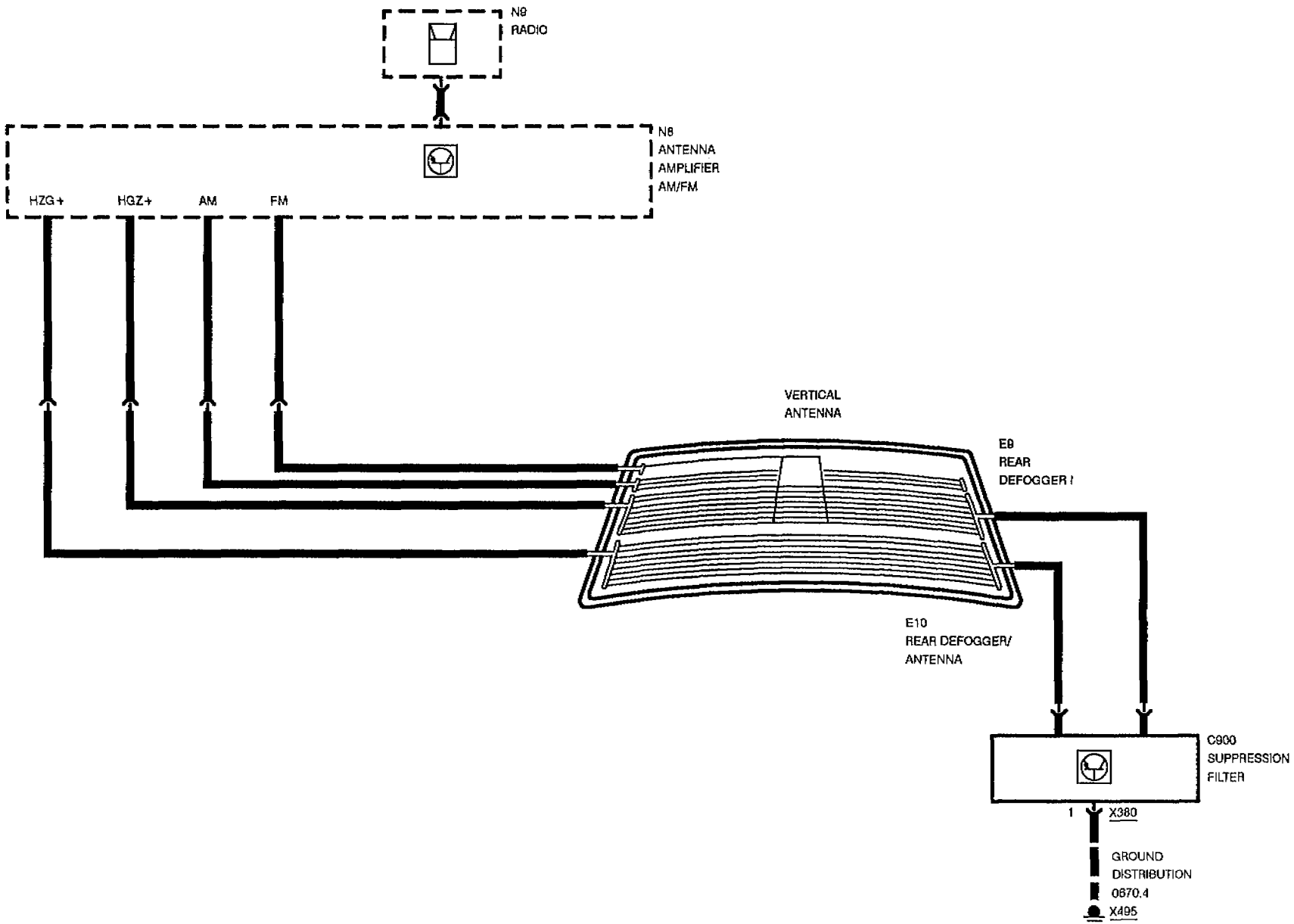
REAR WINDOW DEFOGGER



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REAR WINDOW DEFOGGER

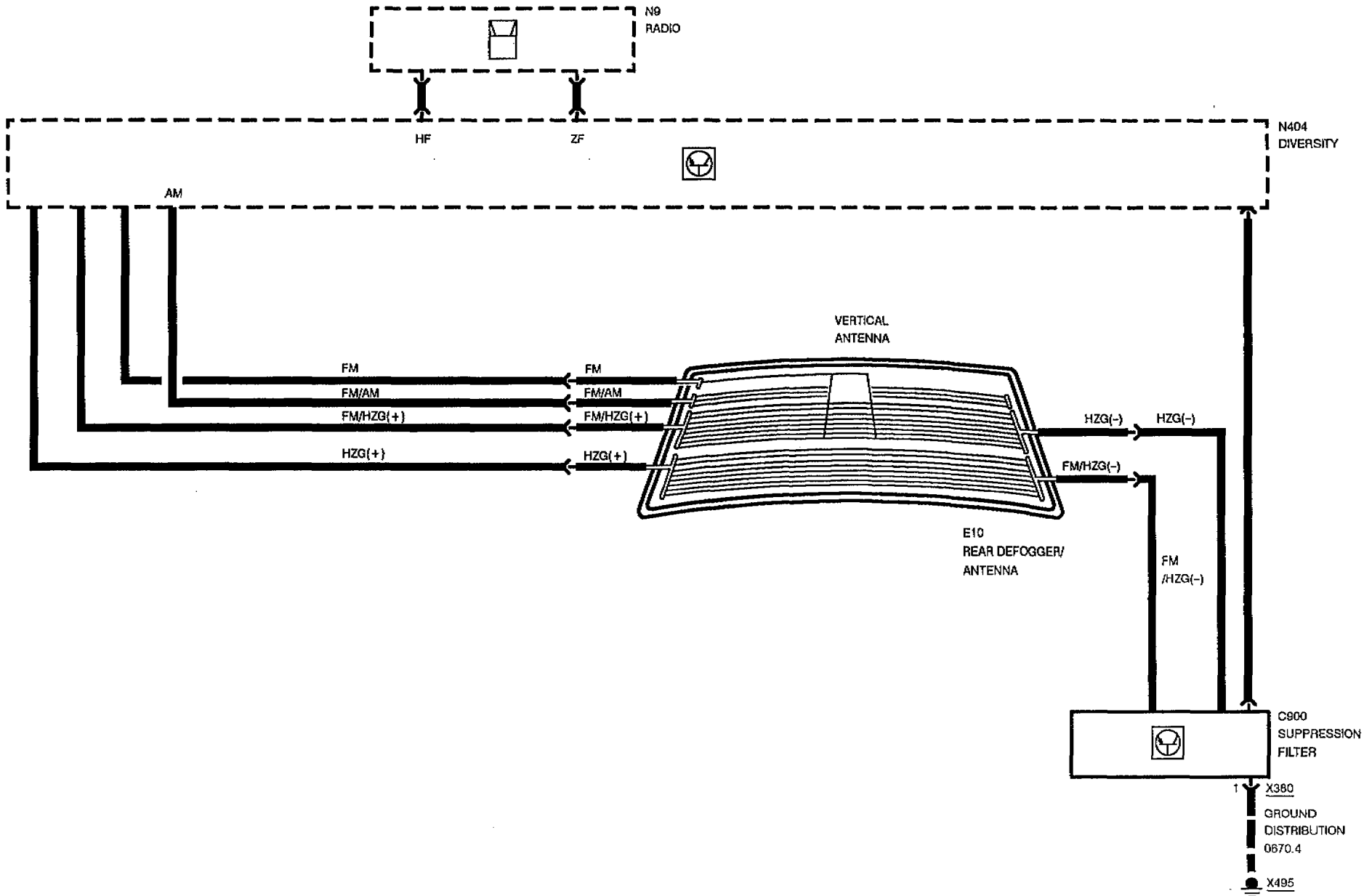
REAR WINDOW ANTENNA



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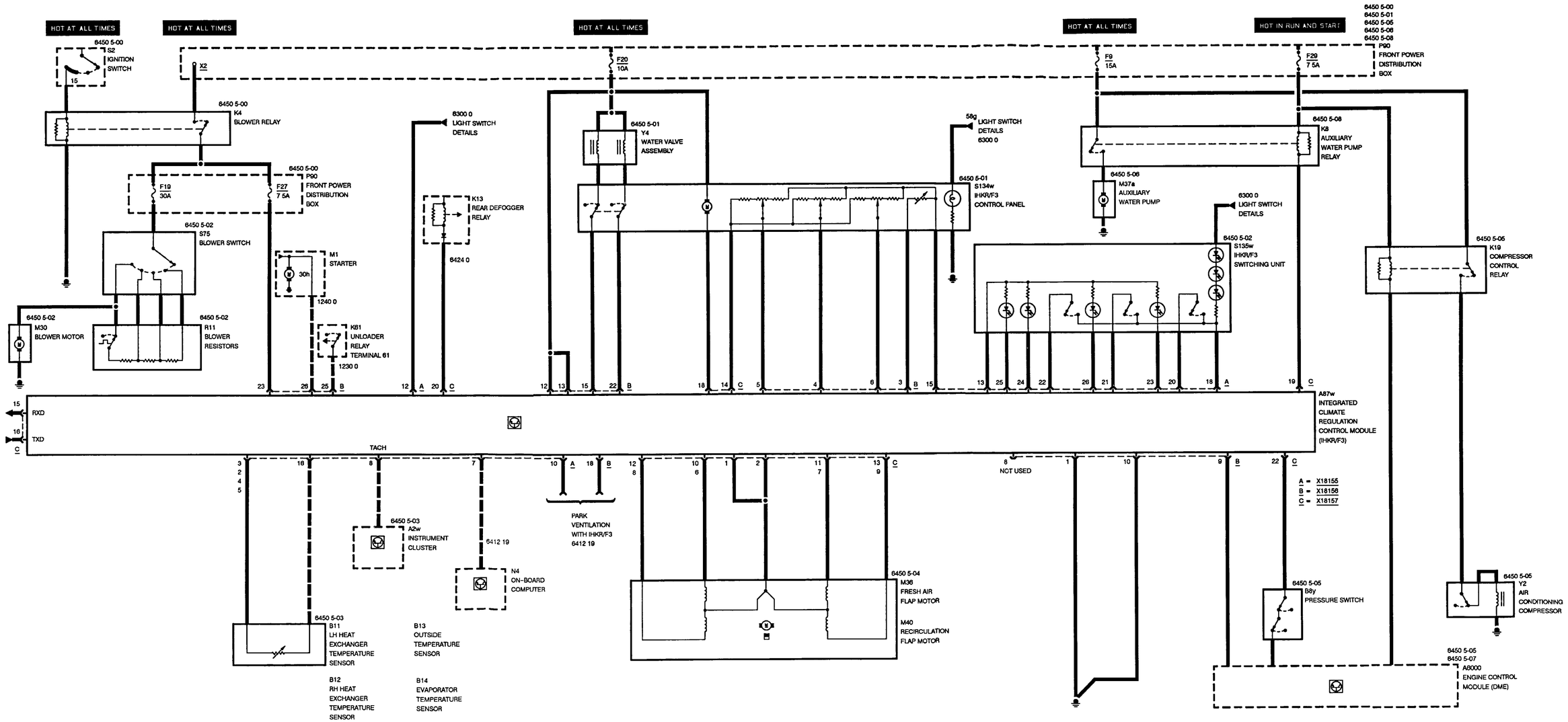
REAR WINDOW DEFOGGER

3-ANTENNA-DIVERSITY

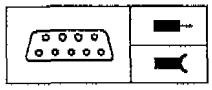


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Pin Assignments

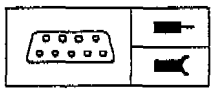
A = X18155	26 Pins, white
B = X18156	26 Pins, black
C = X18157	26 Pins, blue

X18155

Pin	Type	Description/ Function	Connection
1		Not used	
2	E	Heater temperature, right	Heat exchanger temperature sensor, RH
3	E	Heater temperature, left	Heat exchanger temperature sensor, LH
4	E	Outside temperature	Outside temperature sensor
5	E	Evaporator temperature	Evaporator temperature sensor
6		Not used	
7	E	Independent ventilation	Park heating/ventilation relay box
8	E	Vehicle speed	Instrument cluster
9		Not used	
10	E	Independent heating	Park heating/ventilation relay box
11		Not used	
12	E	Terminal 58k	Light switch
13	A	Voltage supply for function lights	IHKR/F3 switching unit
14		Not used	
15	M	Ground for control wheels and inside temperature sensor	IHKR/F3 control switch
16	M	Ground for temperature sensors	Various temperature sensors
17		Not used	
18	M	Ground for illumination and switches	IHKR/F3 switching unit
19		Not used	
20	E	Push button for air conditioning	IHKR/F3 switching unit
21	E	Push button for air recirculation	IHKR/F3 switching unit
22	E	Push button for rear window defogger	IHKR/F3 switching unit
23	A	Function light, air conditioning	IHKR/F3 switching unit
24	A	Function light, rear window defogger	IHKR/F3 switching unit

E = Input, A = Output, M = Ground

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Pin Assignments

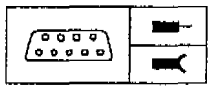
Pin	Type	Description/ Function	Connection
25	A	Function light, air recirculation	IHKR/F3 switching unit
26	A	Function light, air recirculation control	IHKR/F3 switching unit

X18156

Pin	Type	Description/ Function	Connection
1	E	Ground for electronics	Ground point
2		Not used	
3	E	Inside temperature sensor	IHKR/F3 control switch
4	E	Nominal air flow value	IHKR/F3 control switch
5	E	Nominal temperature value, left	IHKR/F3 control switch
6	E	Nominal temperature value, right	IHKR/F3 control switch
7		Not used	
8		Not used	
9	A	Auxiliary fan signal	Engine control module (DME)
10	M	Ground for electronics	Ground point
11		Not used	
12	E	Voltage supply (terminal 30)	Front power distribution box
13	E	Voltage supply (terminal 30)	Front power distribution box
14		Not used	
15	A	Water valve activation, right	IHKR/F3 control switch
16		Not used	
17		Not used	
18	E	Terminal 15 (independent ventilation only)	
19		Not used	
20		Not used	
21		Not used	
22	A	Water valve activation	IHKR/F3 control switch
23	E	Voltage supply (terminal 15)	Front power distribution box
24		Not used	
25	E	Terminal 61	Unloader relay terminal 61
26	E	Terminal 30h	Starter

E = Input, A = Output, M = Ground

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Pin Assignments

X18157

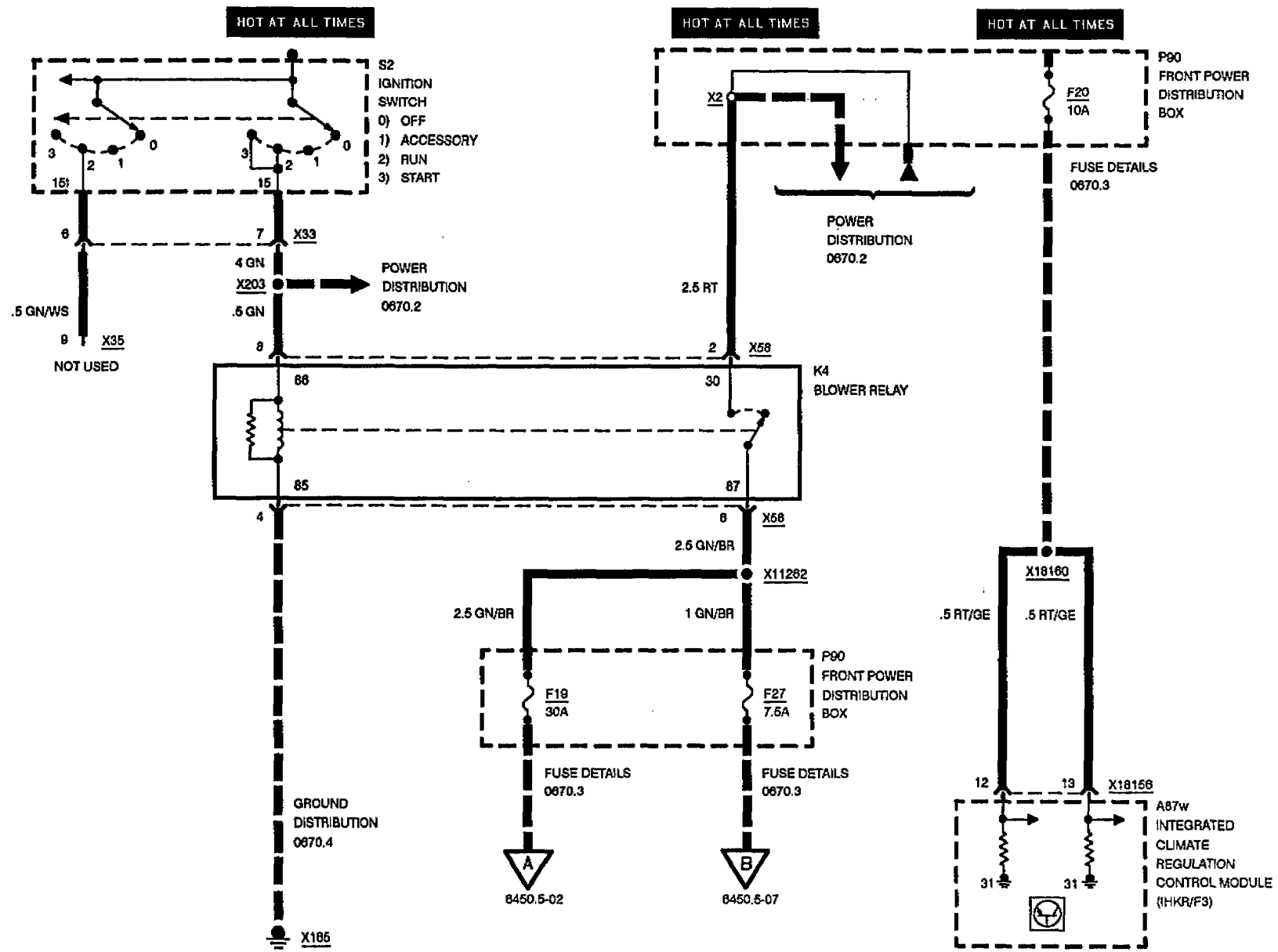
Pin	Type	Description/ Function	Connection
1	A	Voltage supply for flap motors	All flap motors
2	A	Voltage supply for flap motors	All flap motors
3		Not used	
4		Not used	
5		Not used	
6	A	Recirculation flap motor activation	Recirculation flap motor
7	A	Recirculation flap motor activation	Recirculation 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 control wheels	IHKR/F3 control switch
15	E	RxD diagnostic data line	Data link connector RxD
16	E/A	TxD diagnostic data line	Data link connector TxD
17		Not used	
18	A	Sensor for activation	IHKR/F3 control switch
19	A	Auxiliary water pump activation	Auxiliary water pump relay
20	A	Rear window defogger activation	Rear defogger relay
21		Not used	
22	A	A/C compressor activation	Pressure switch
23		Not used	
24		Not used	
25		Not used	
26		Not used	

E = Input, A = Output, M = Ground

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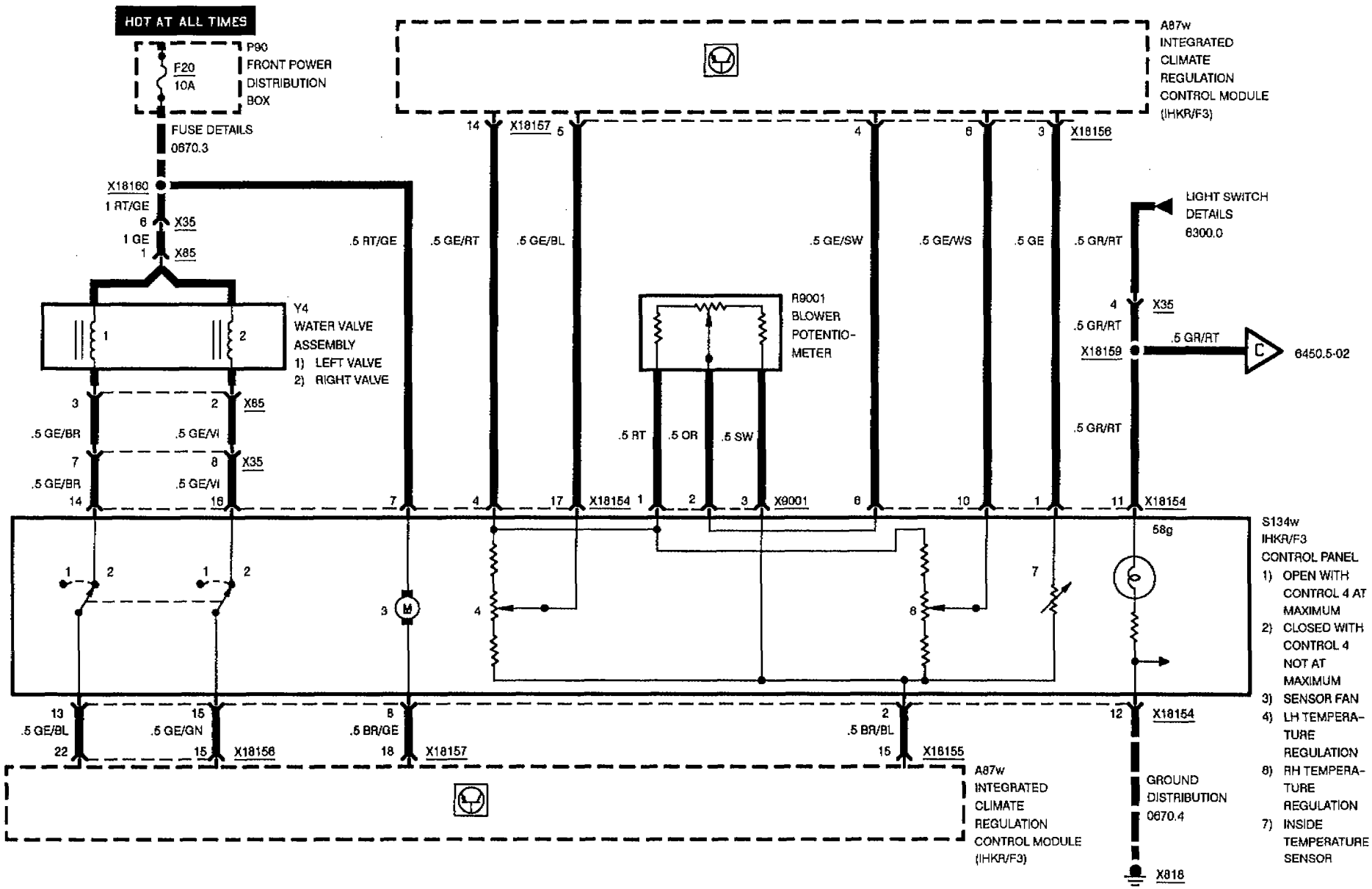
INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

POWER



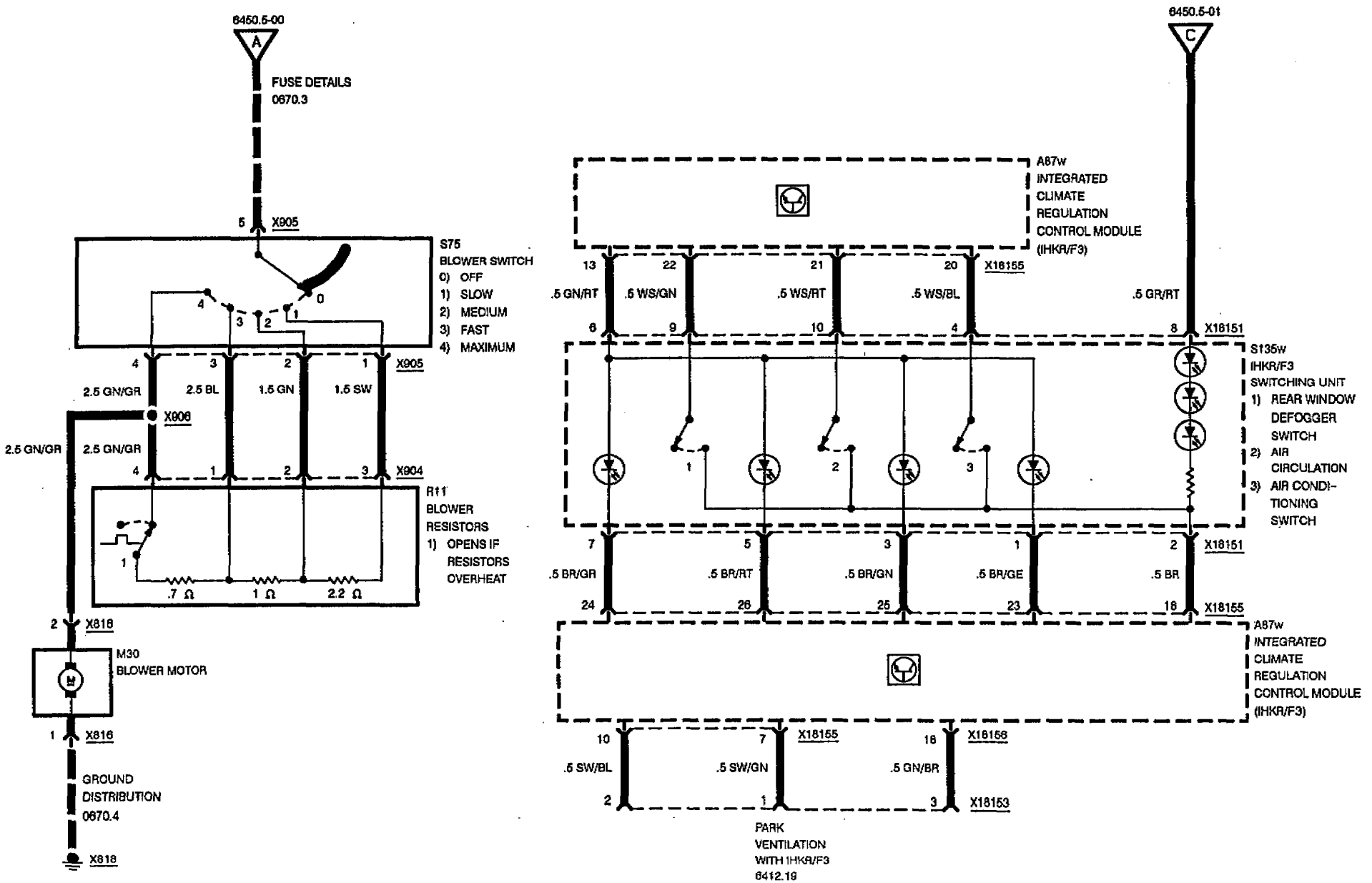
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INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)



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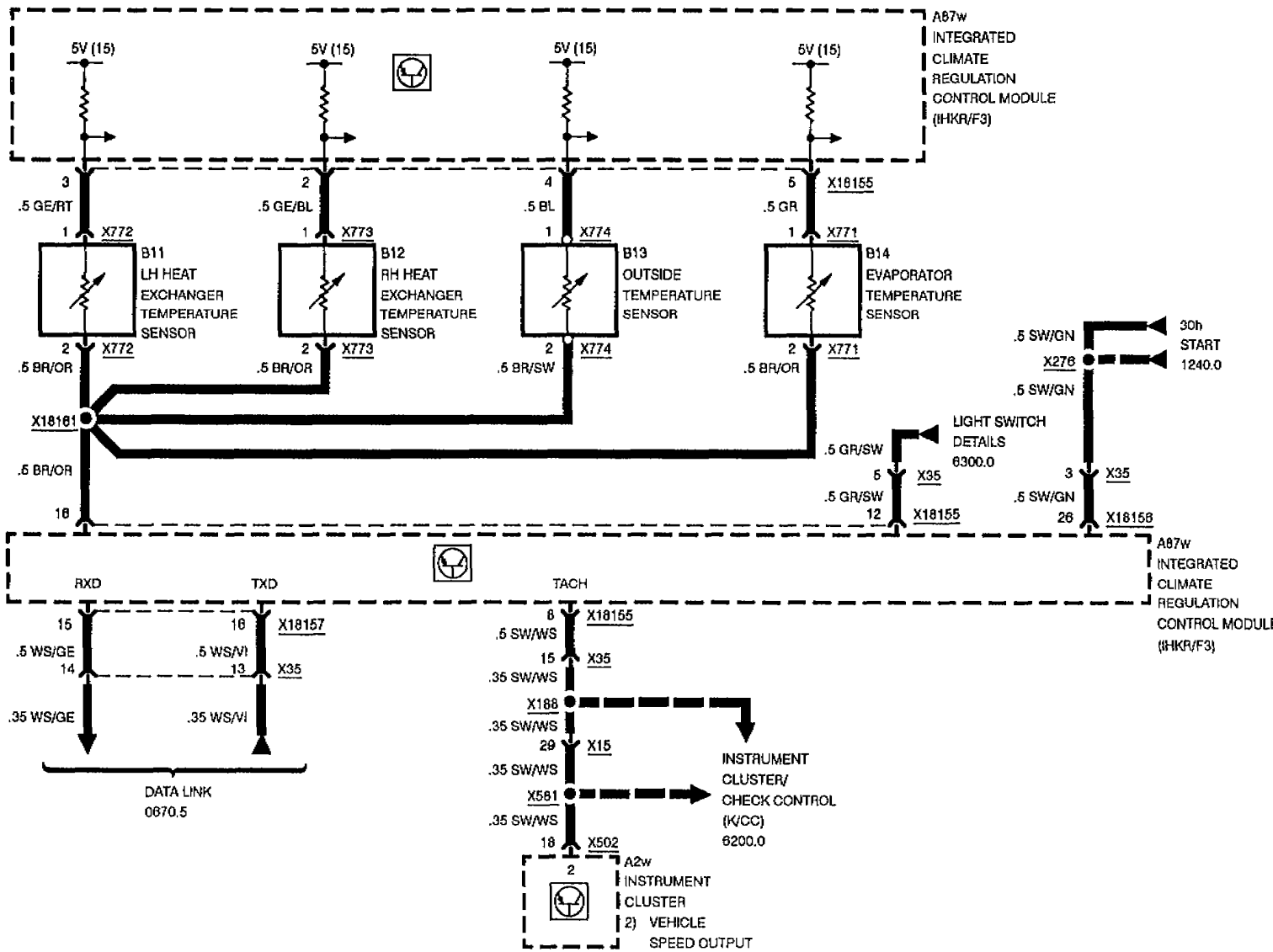
INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)



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INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

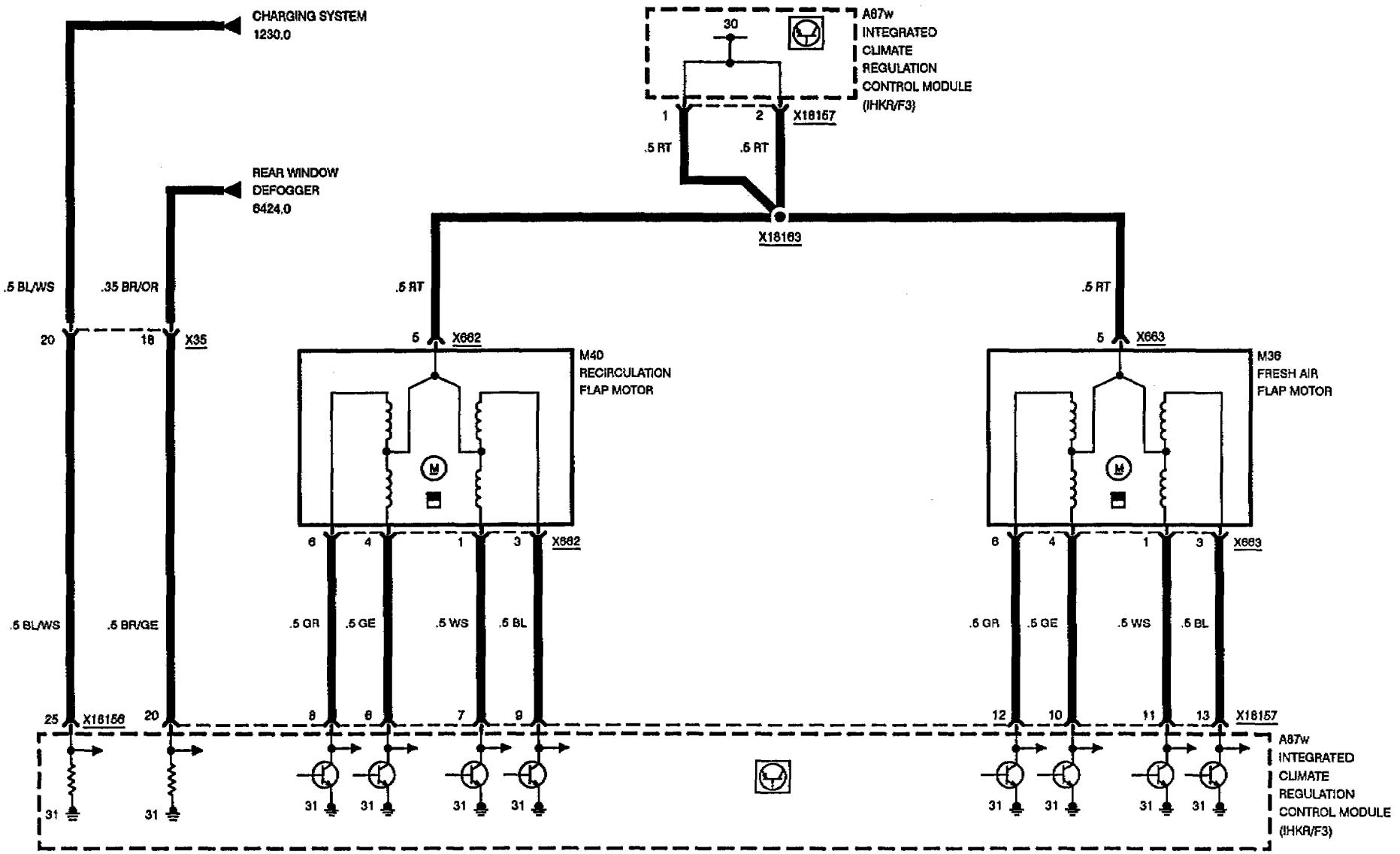
TEMPERATURE CONTROLS



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INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

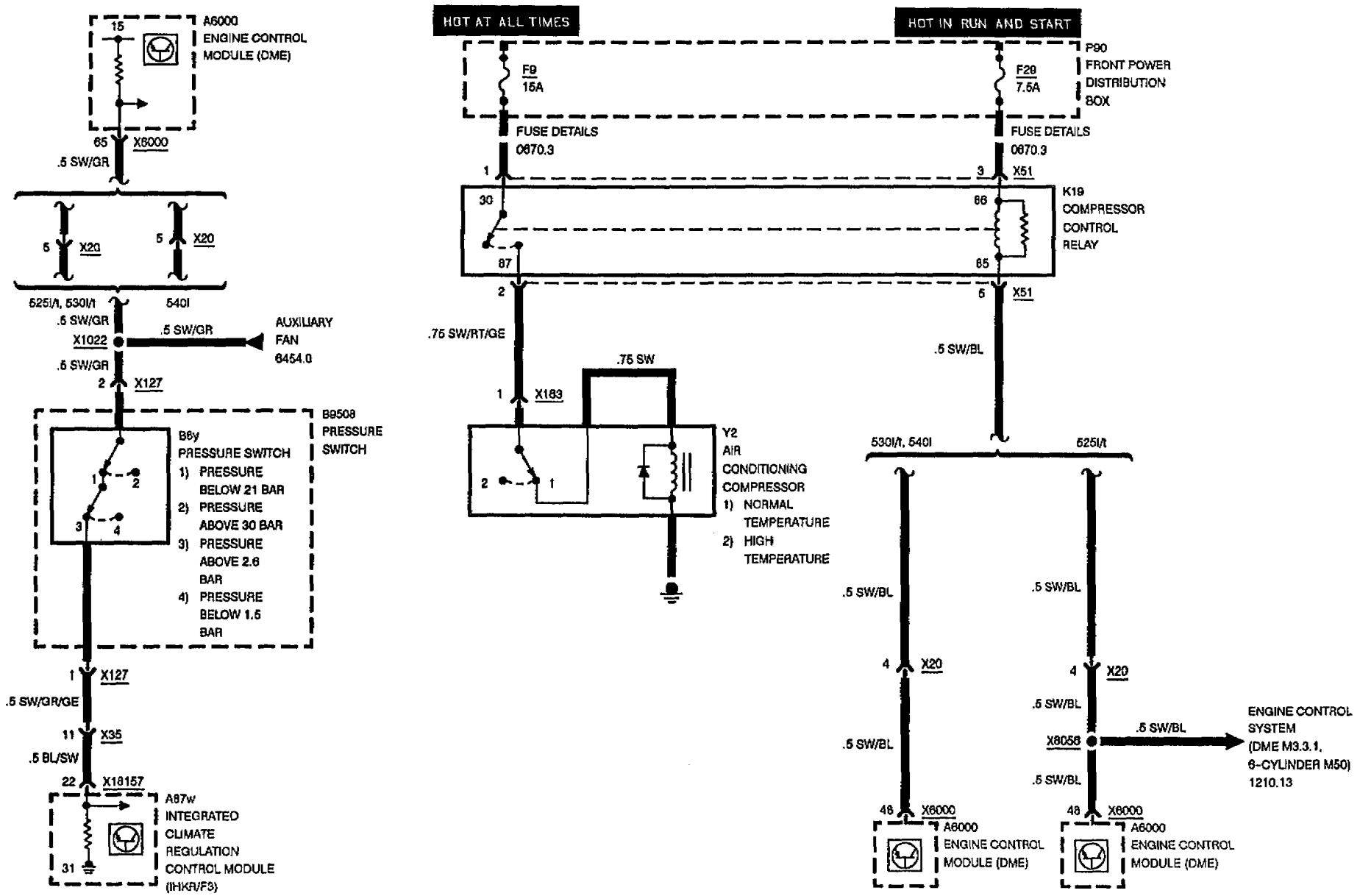
AIR DELIVERY



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INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

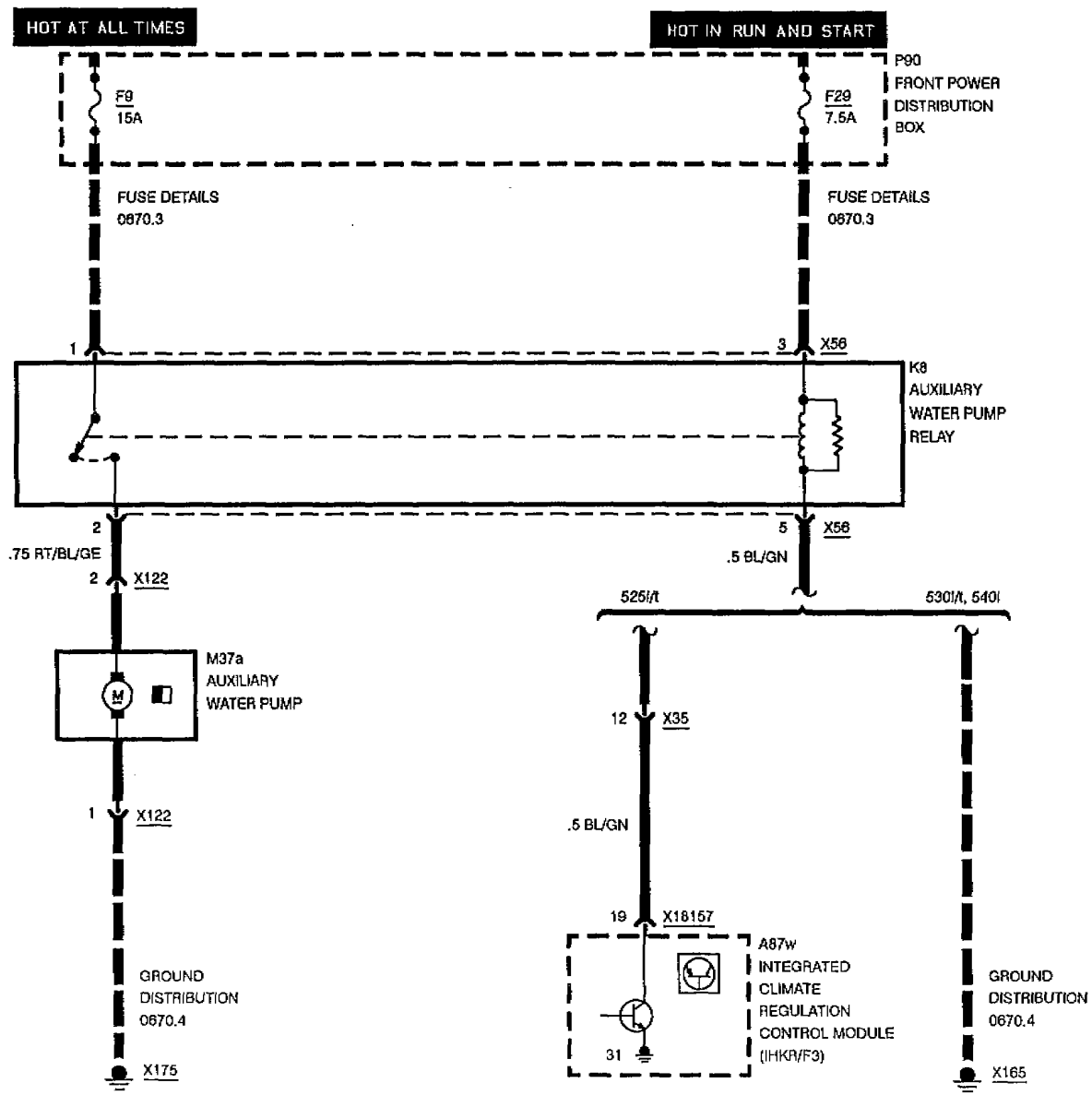
COMPRESSOR CONTROL



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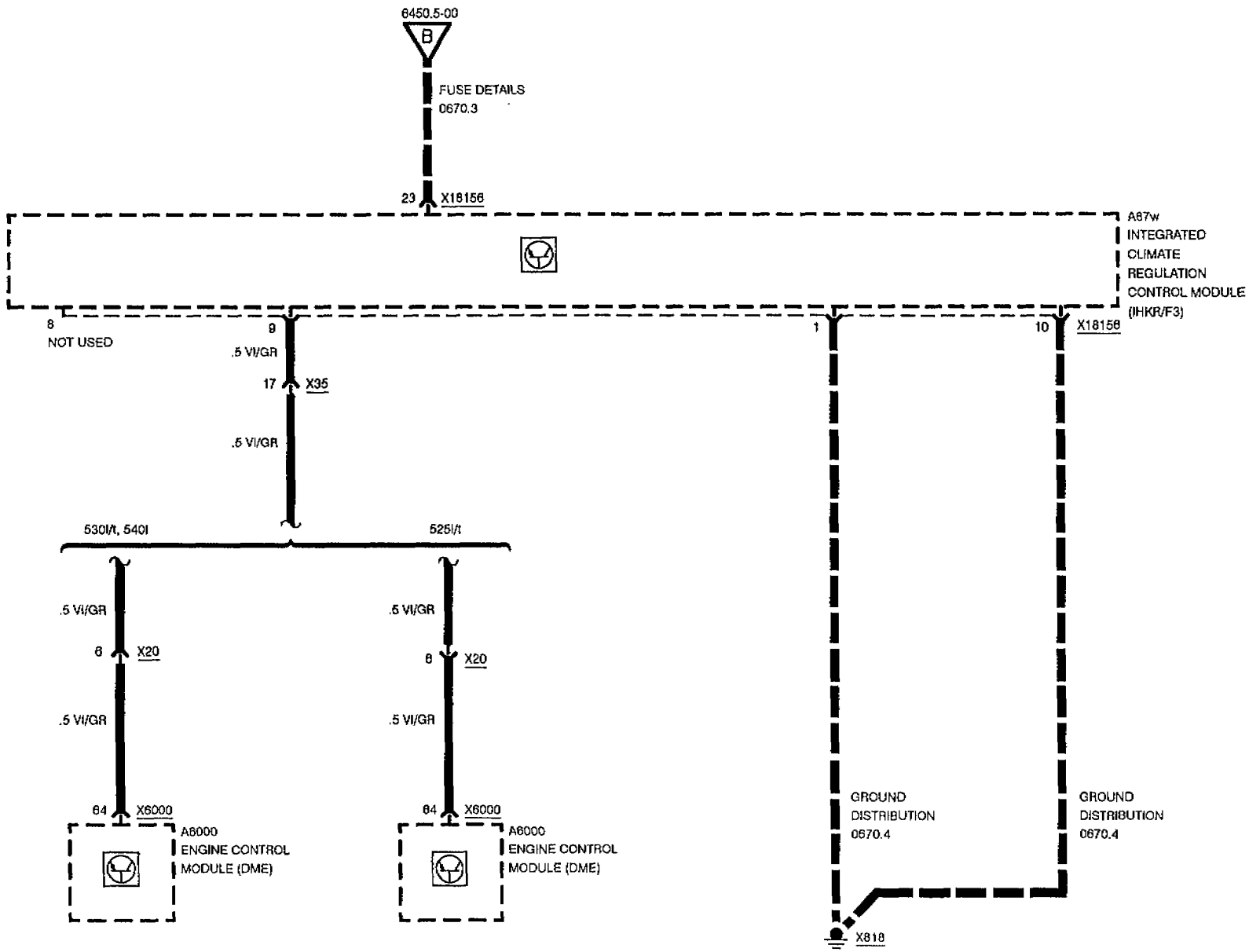
INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

AUXILIARY WATER PUMP



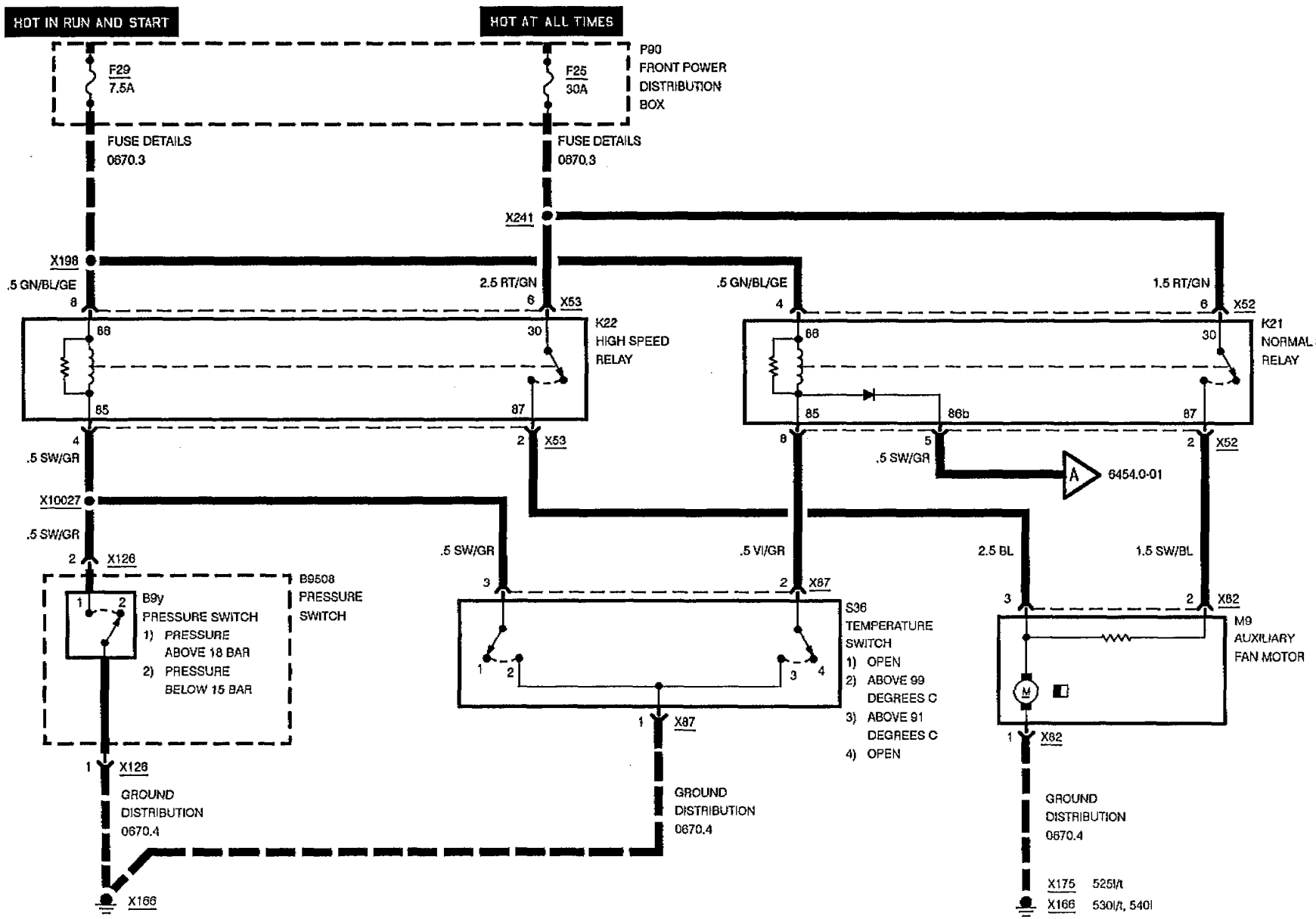
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INTEGRATED CLIMATE REGULATION WITH FILTER (IHKR/F3)

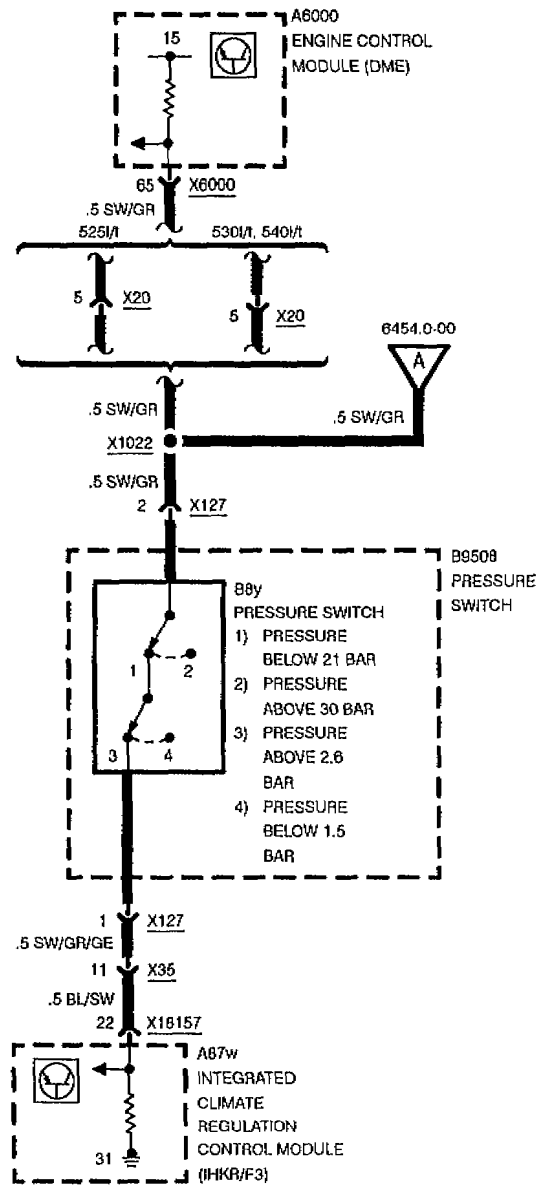


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AUXILIARY FAN



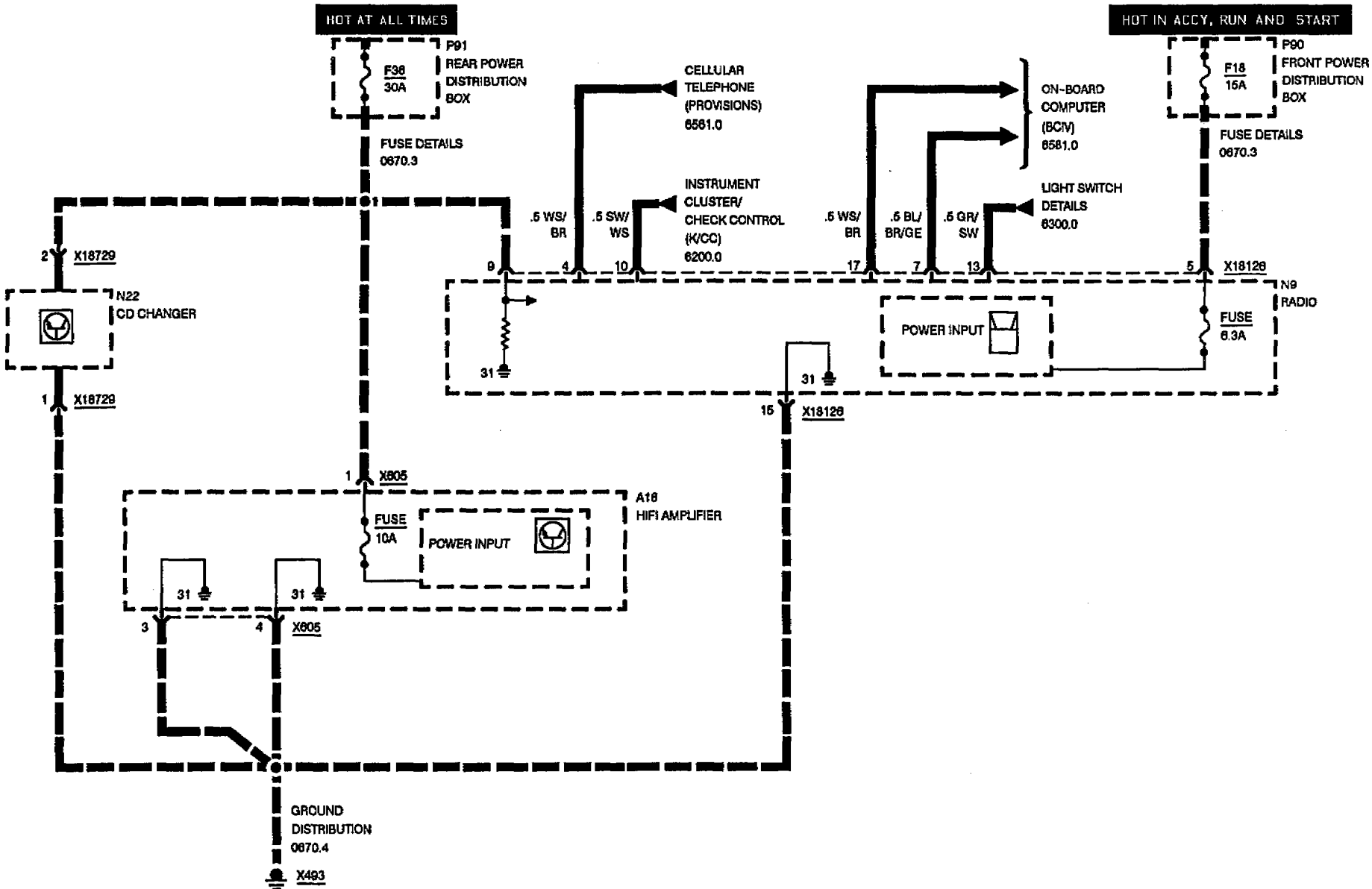
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RADIO/HIFI

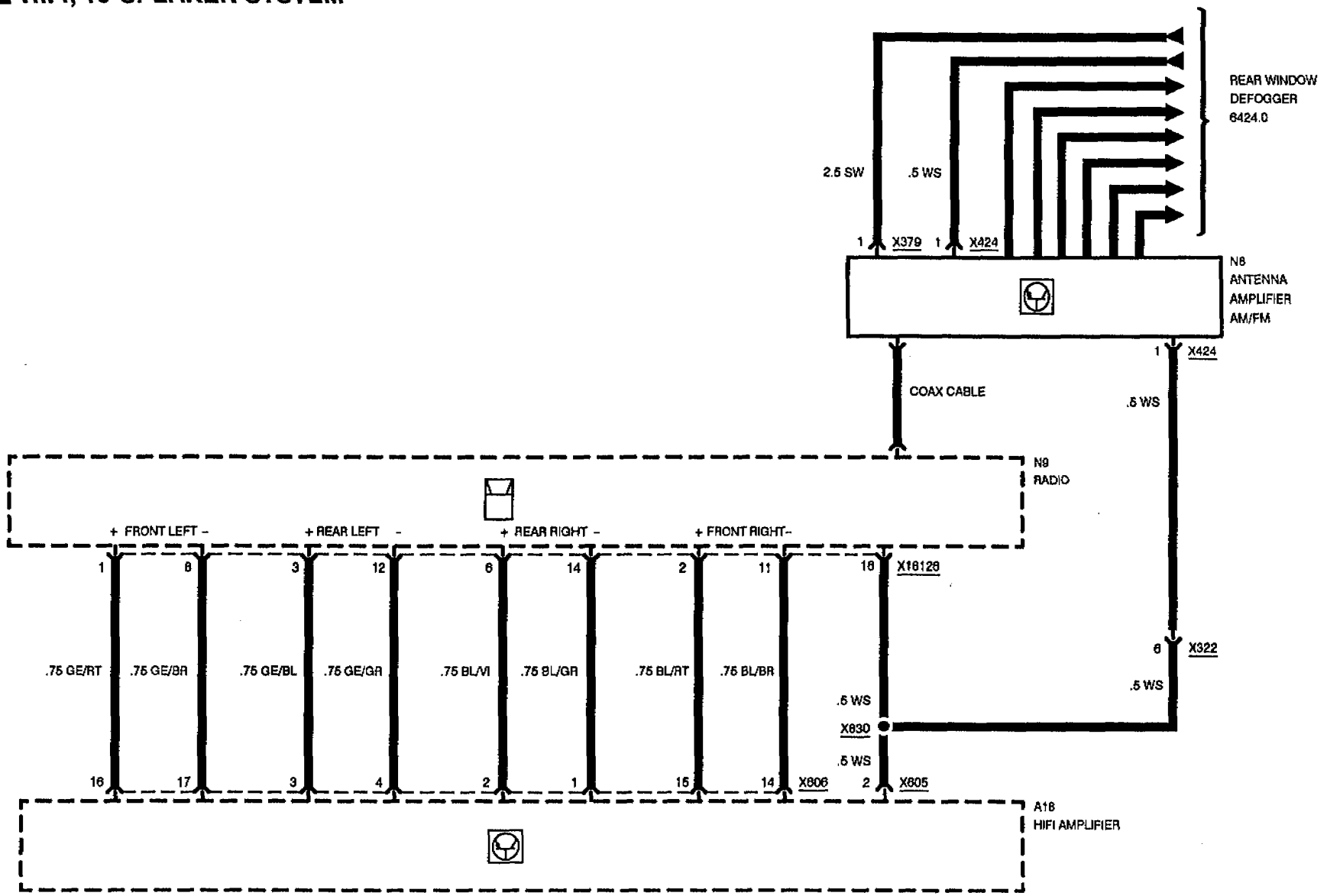
HIFI, 10-SPEAKER SYSTEM



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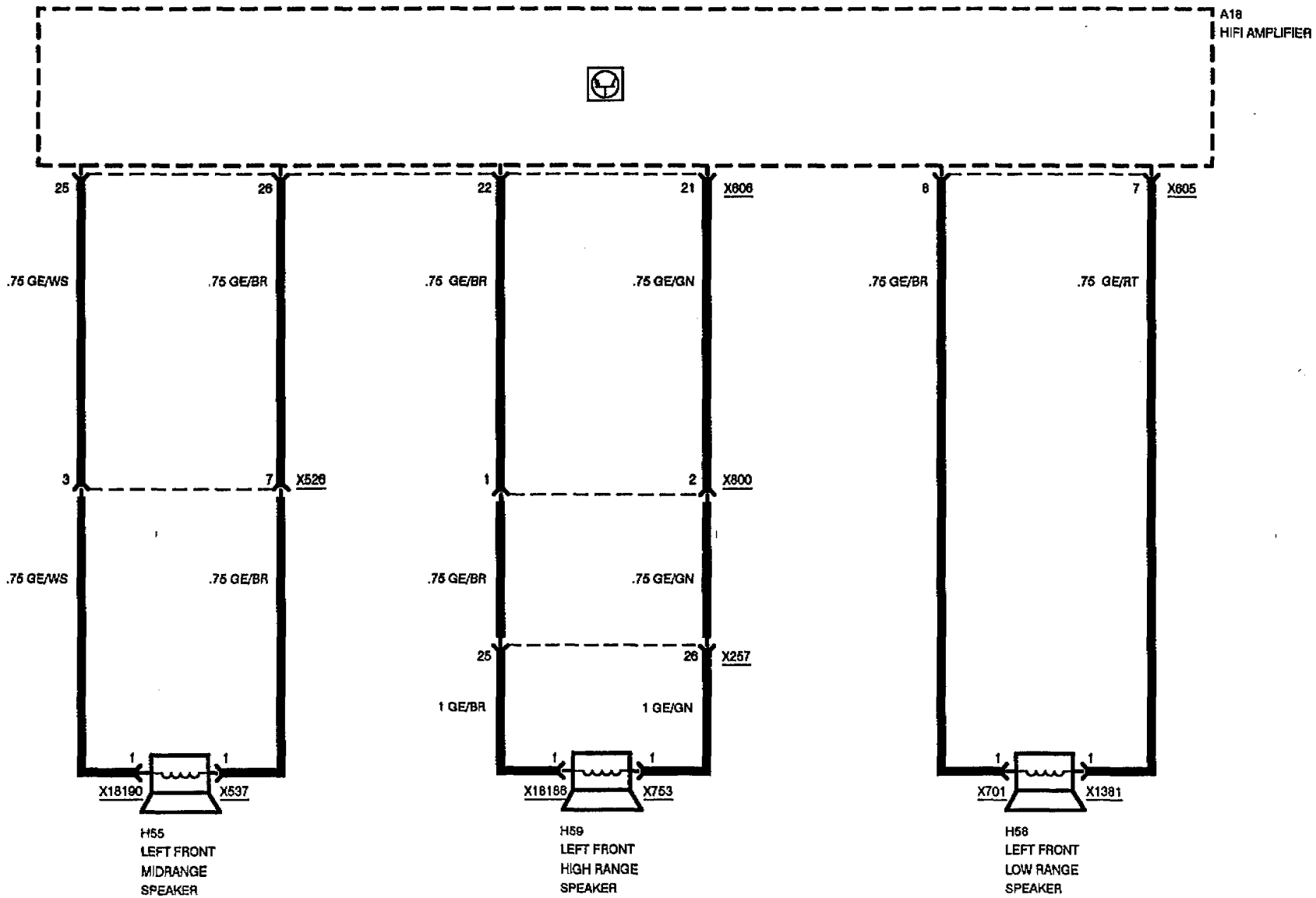
RADIO/HIFI

HIFI, 10-SPEAKER SYSTEM



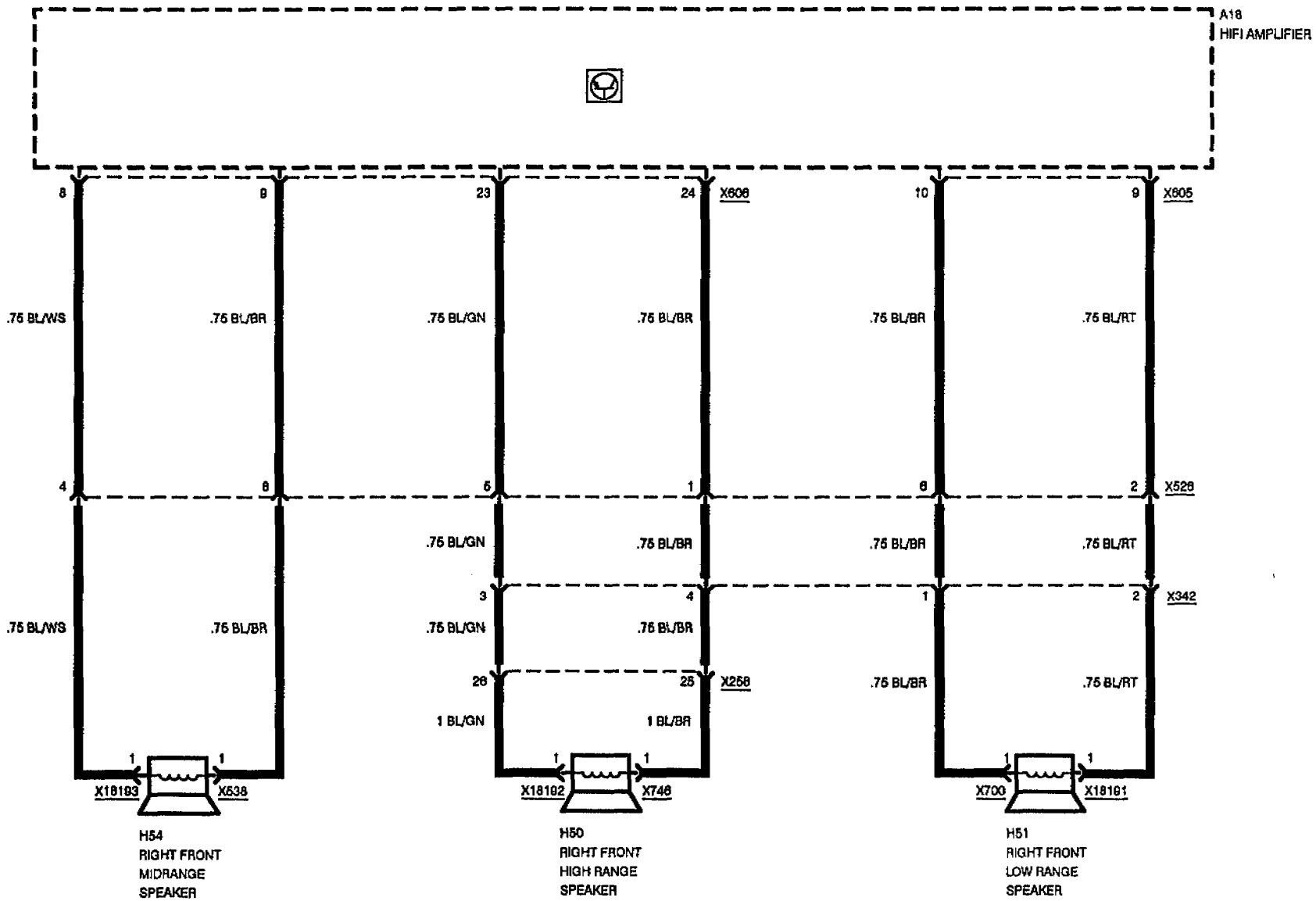
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HIFI, 10-SPEAKER SYSTEM

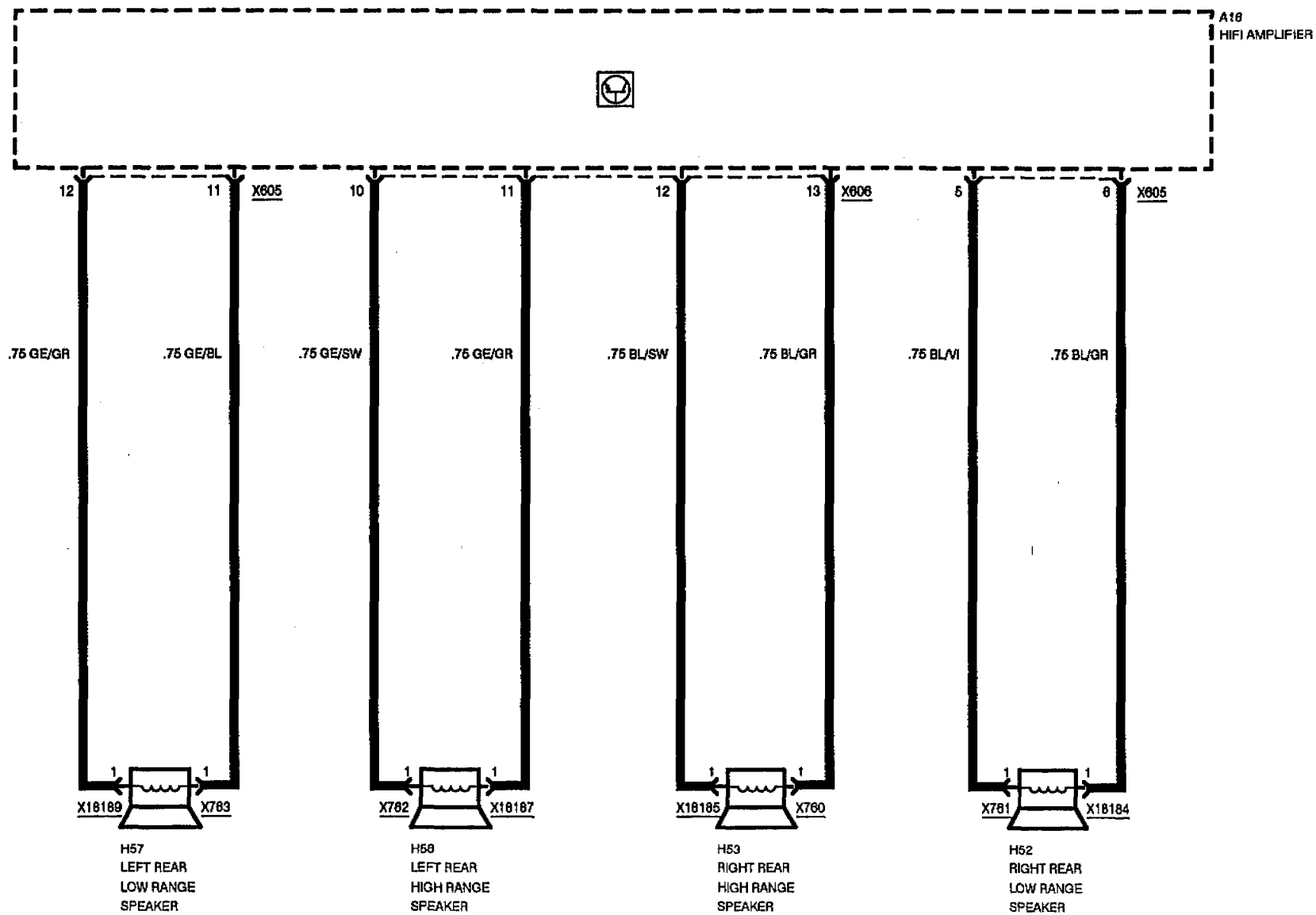


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HIFI, 10-SPEAKER SYSTEM



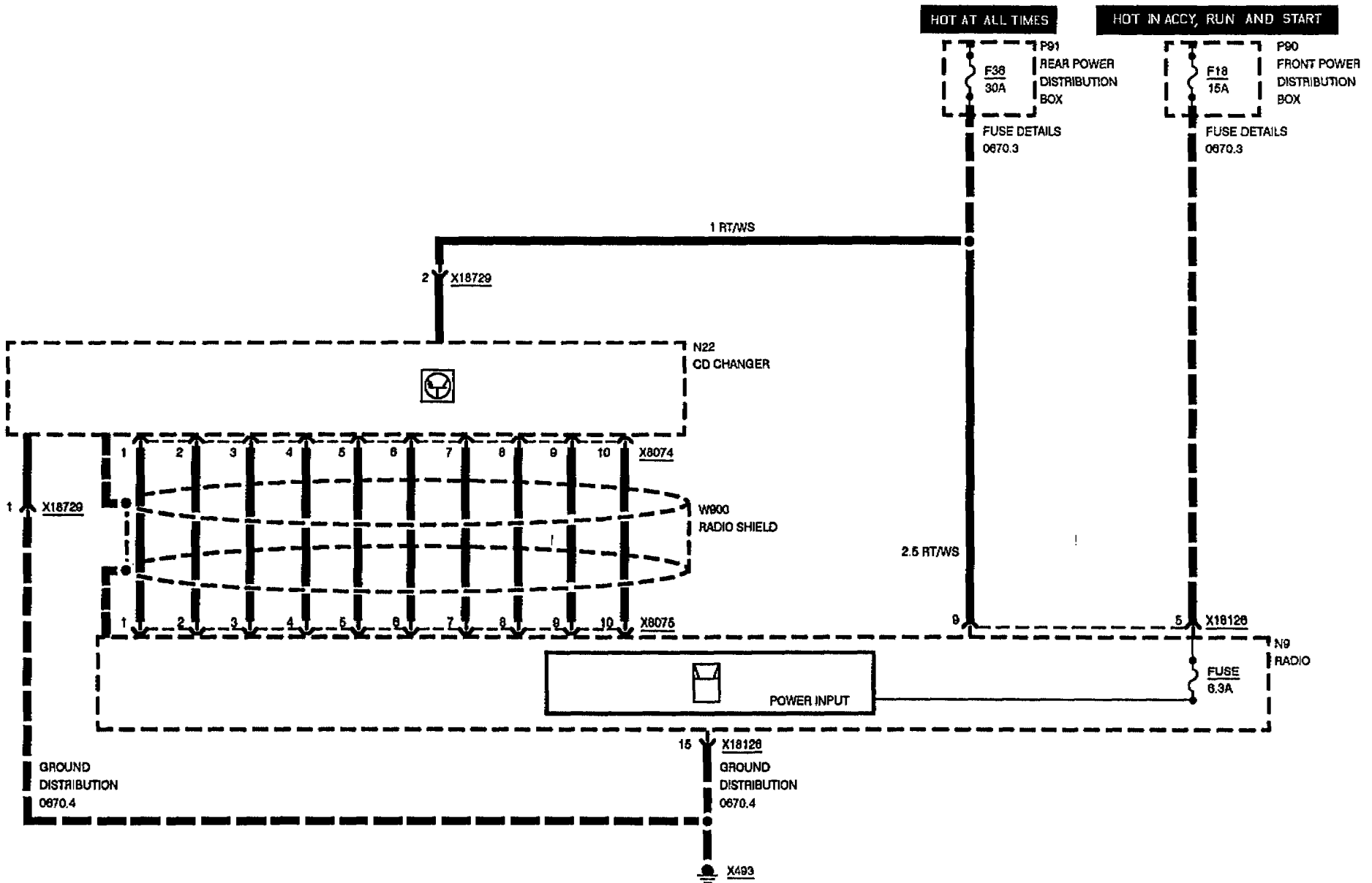
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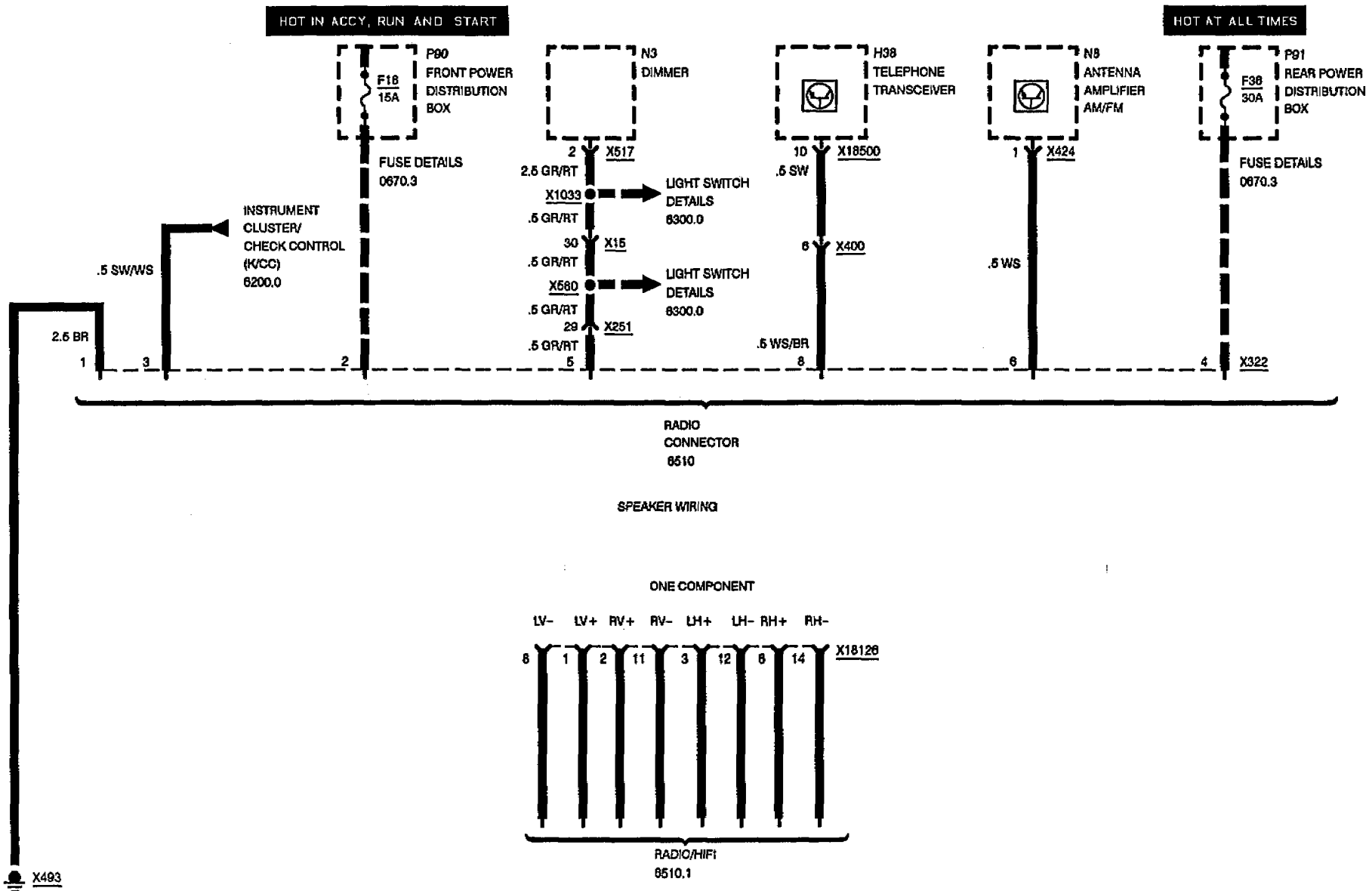
RADIO/HIFI

RADIO/CD PLAYER VARIATION



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RADIO PROVISIONS

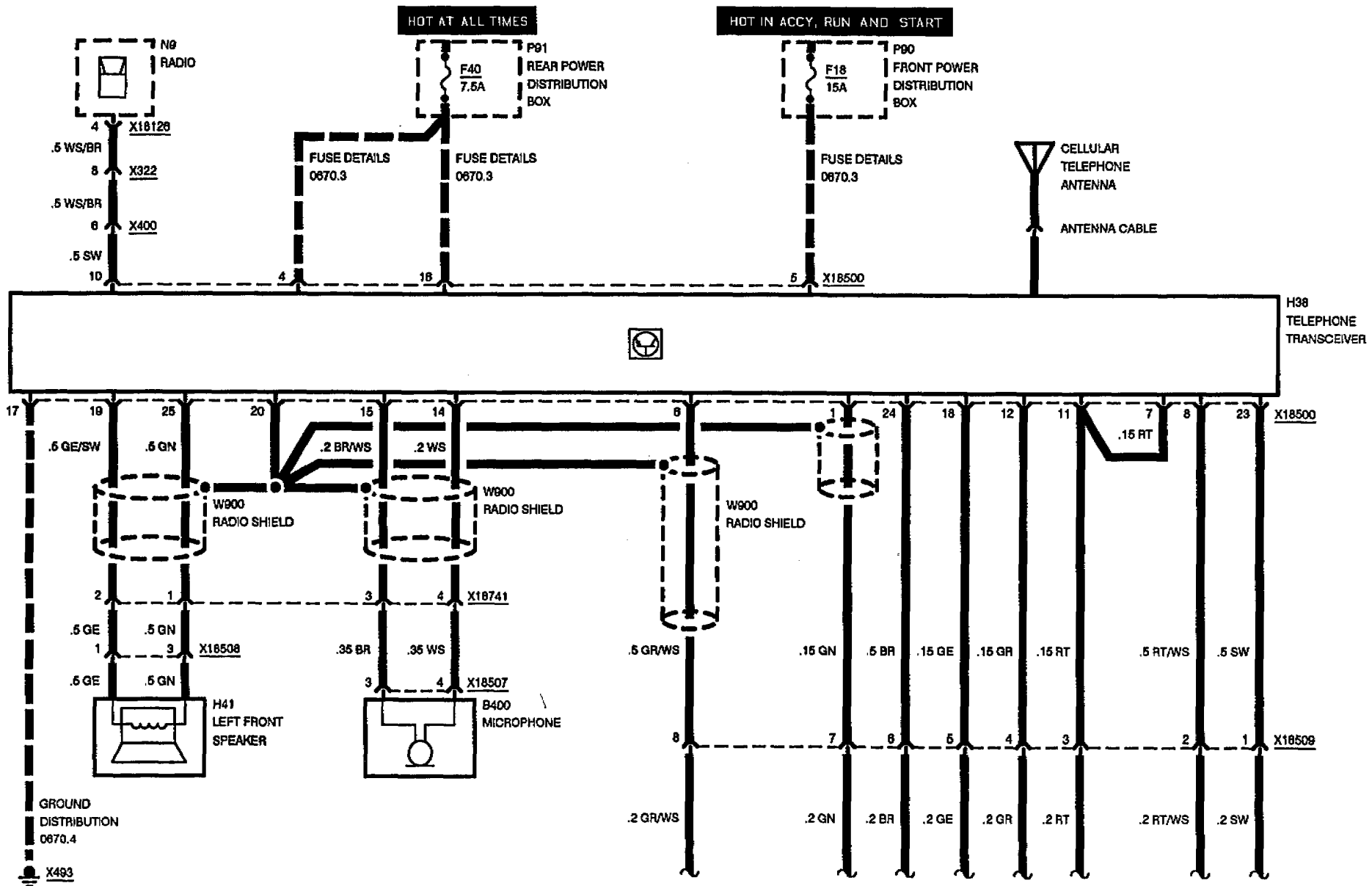


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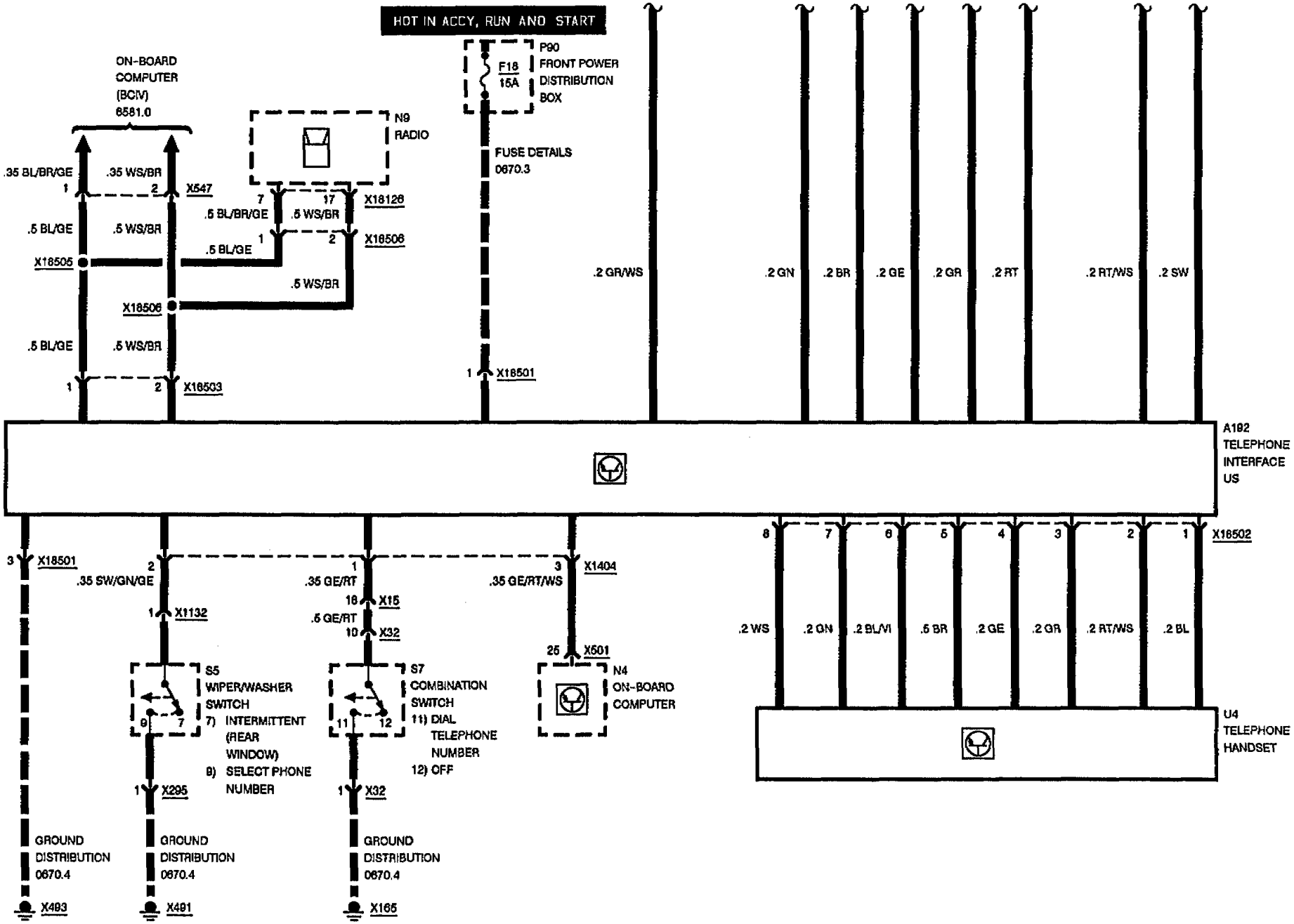
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CELLULAR TELEPHONE (PROVISIONS)

WITH INTERFACE



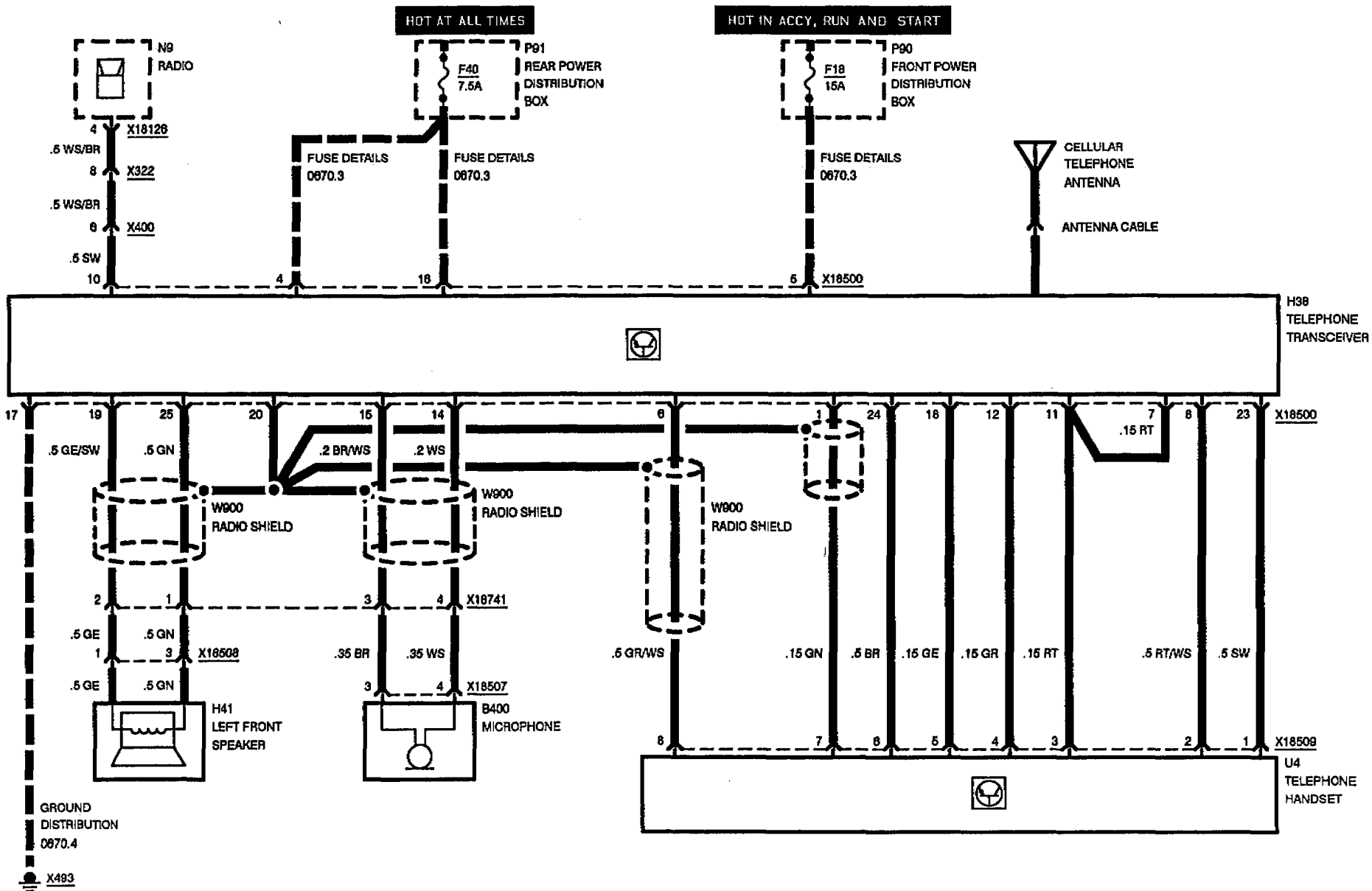
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CELLULAR TELEPHONE (PROVISIONS)

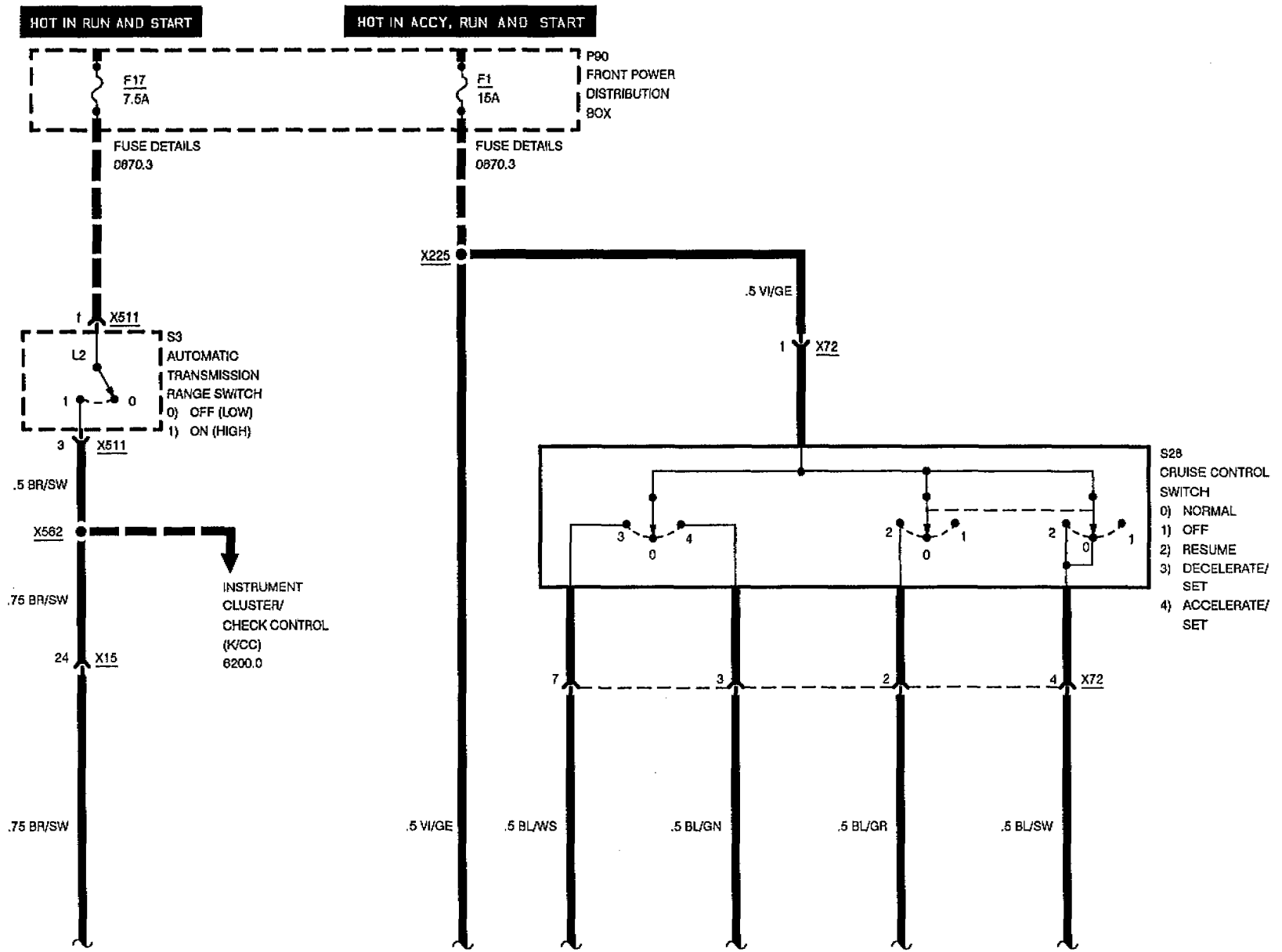
WITHOUT INTERFACE



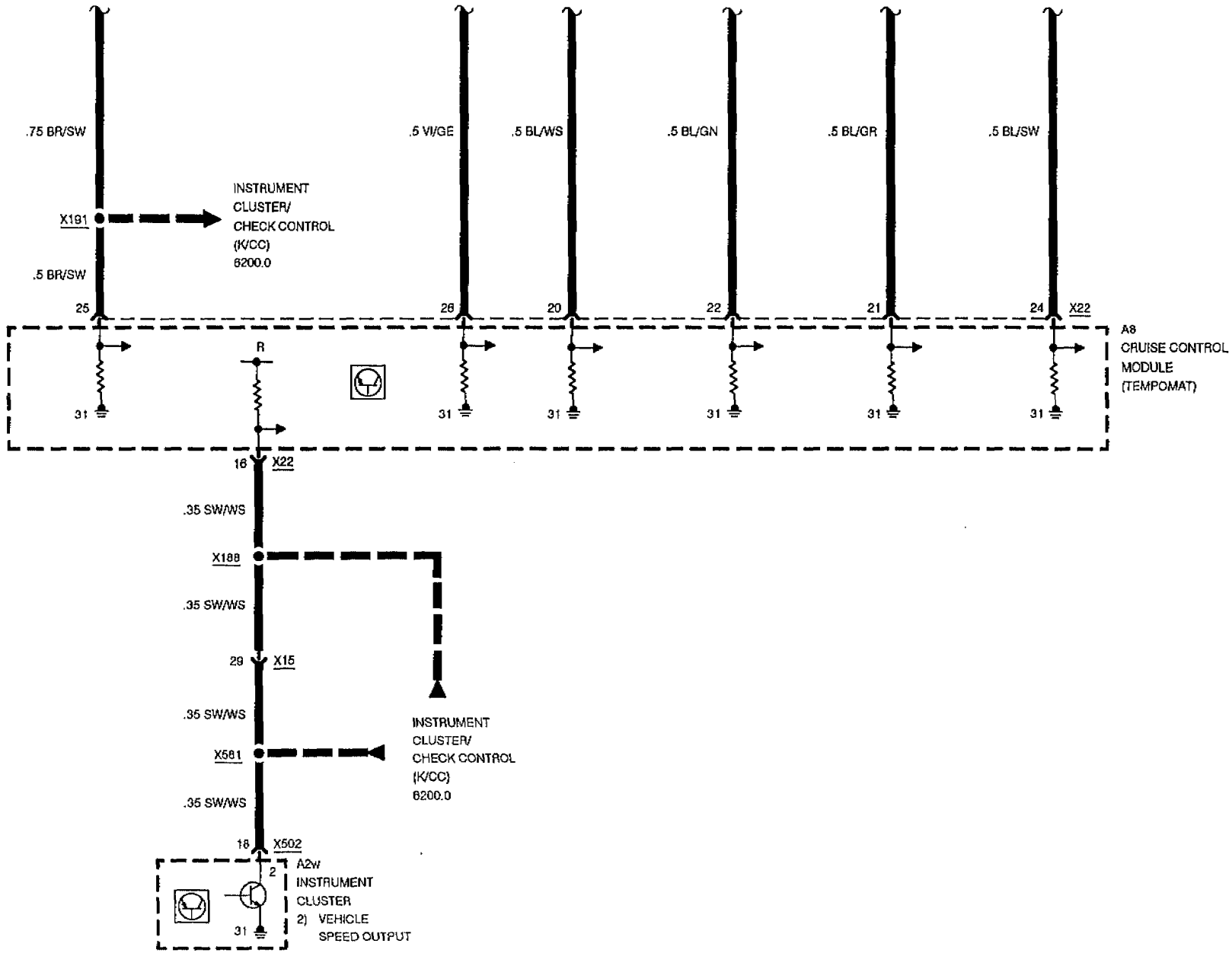
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CRUISE CONTROL (TEMPOMAT)

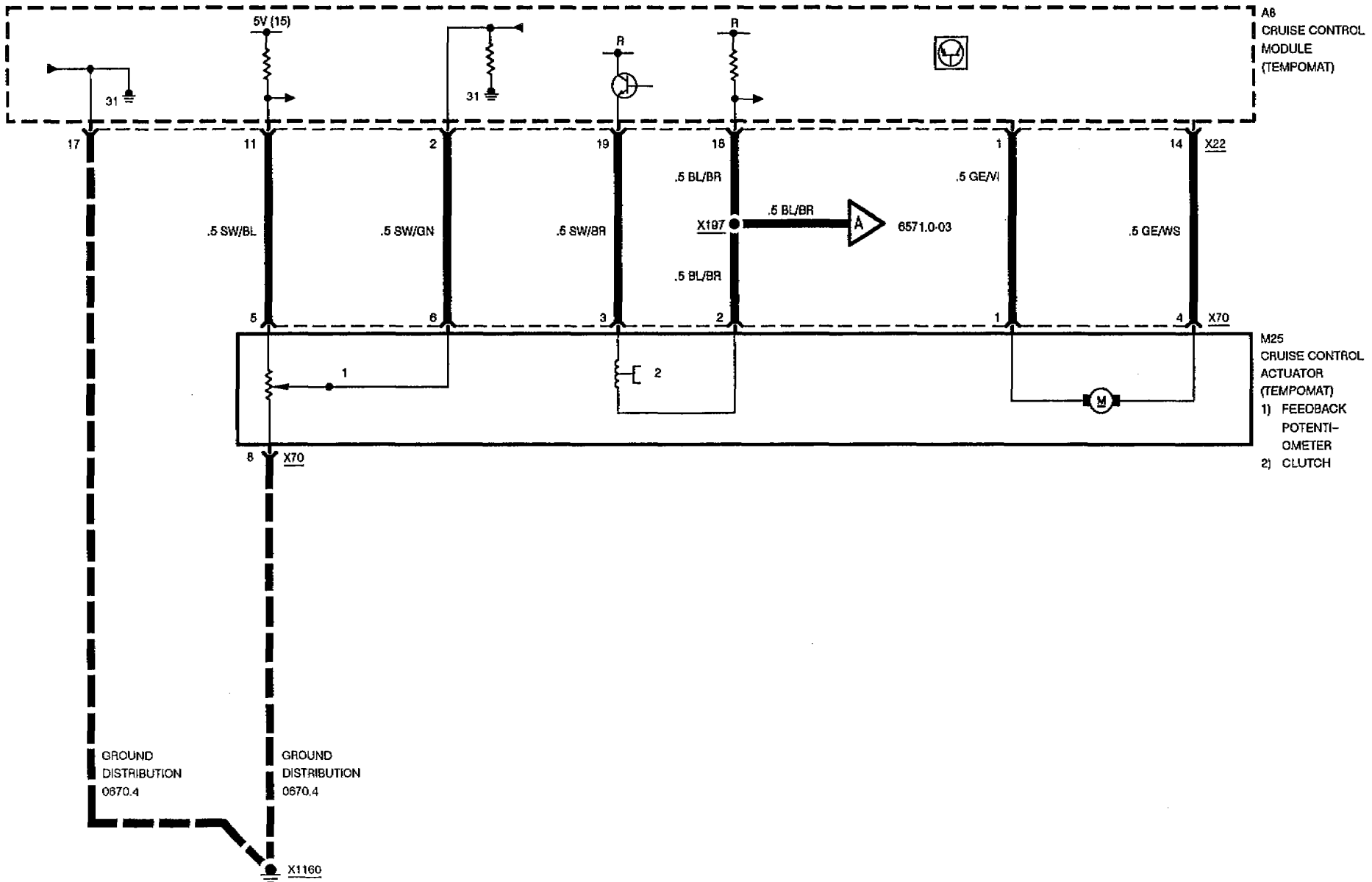


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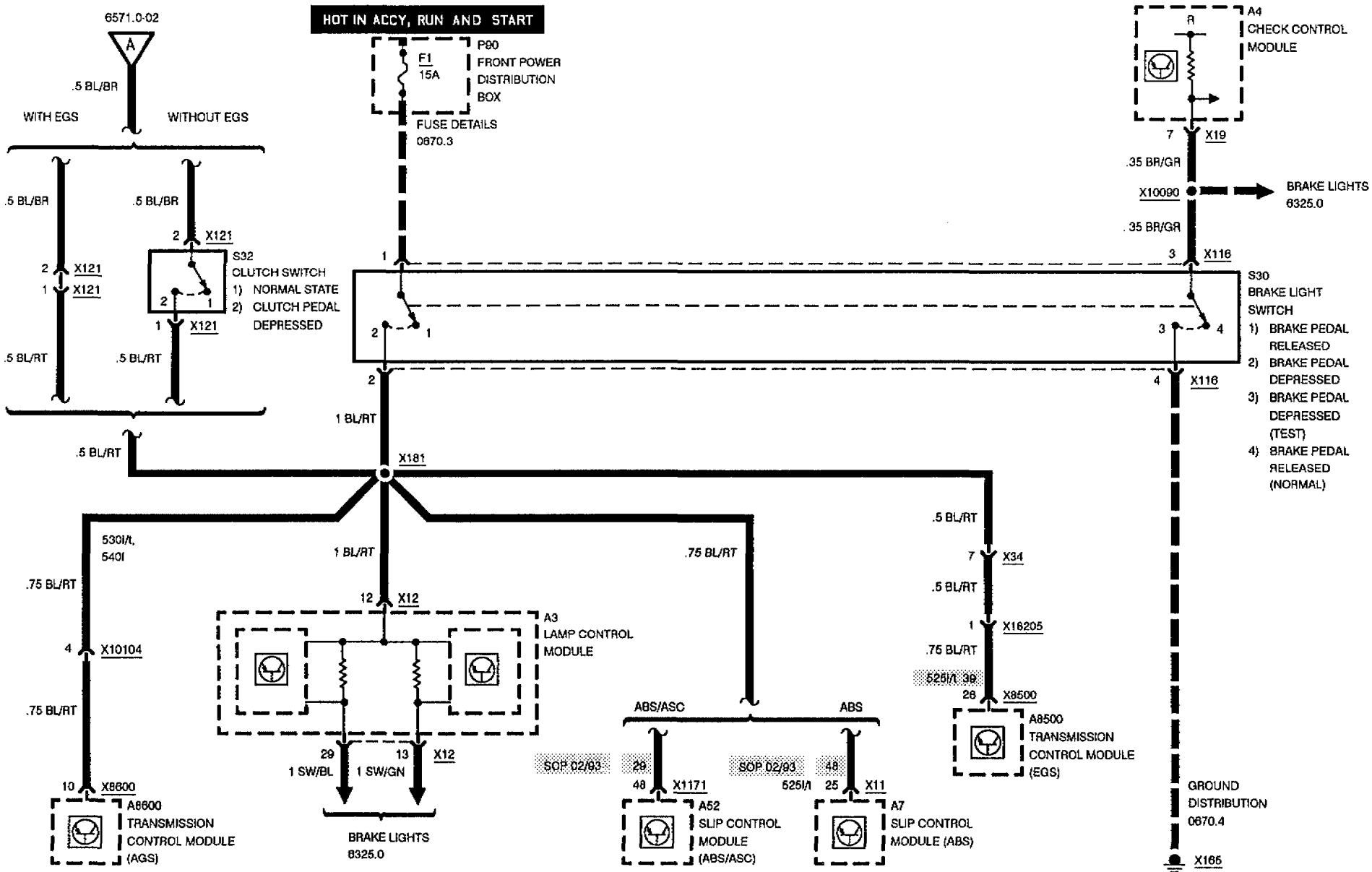
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CRUISE CONTROL (TEMPOMAT)



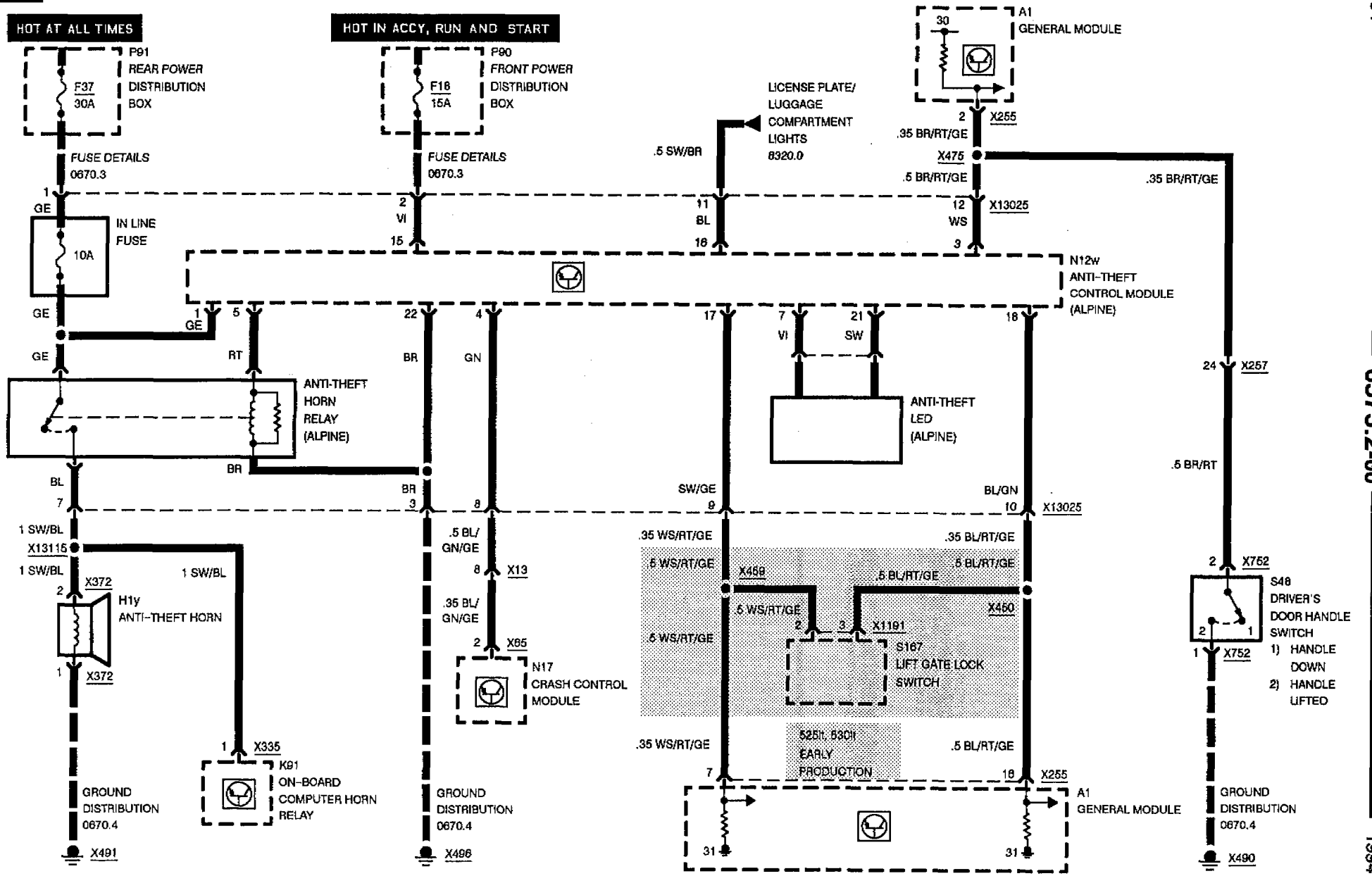
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CRUISE CONTROL (TEMPOMAT)



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ANTI-THEFT SYSTEM (ALPINE)

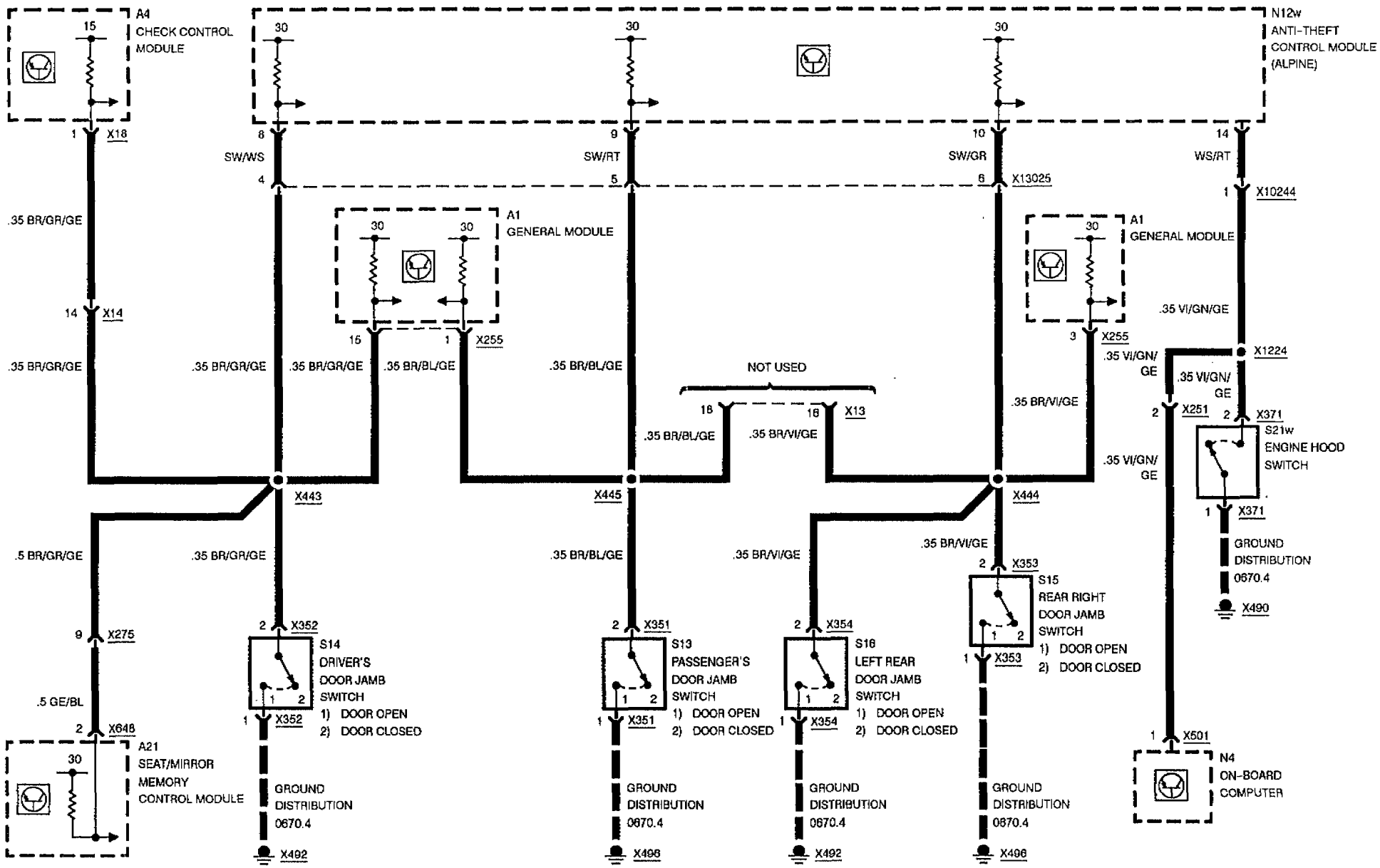


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ANTI-THEFT SYSTEM (ALPINE)

525i/t, 530i/t

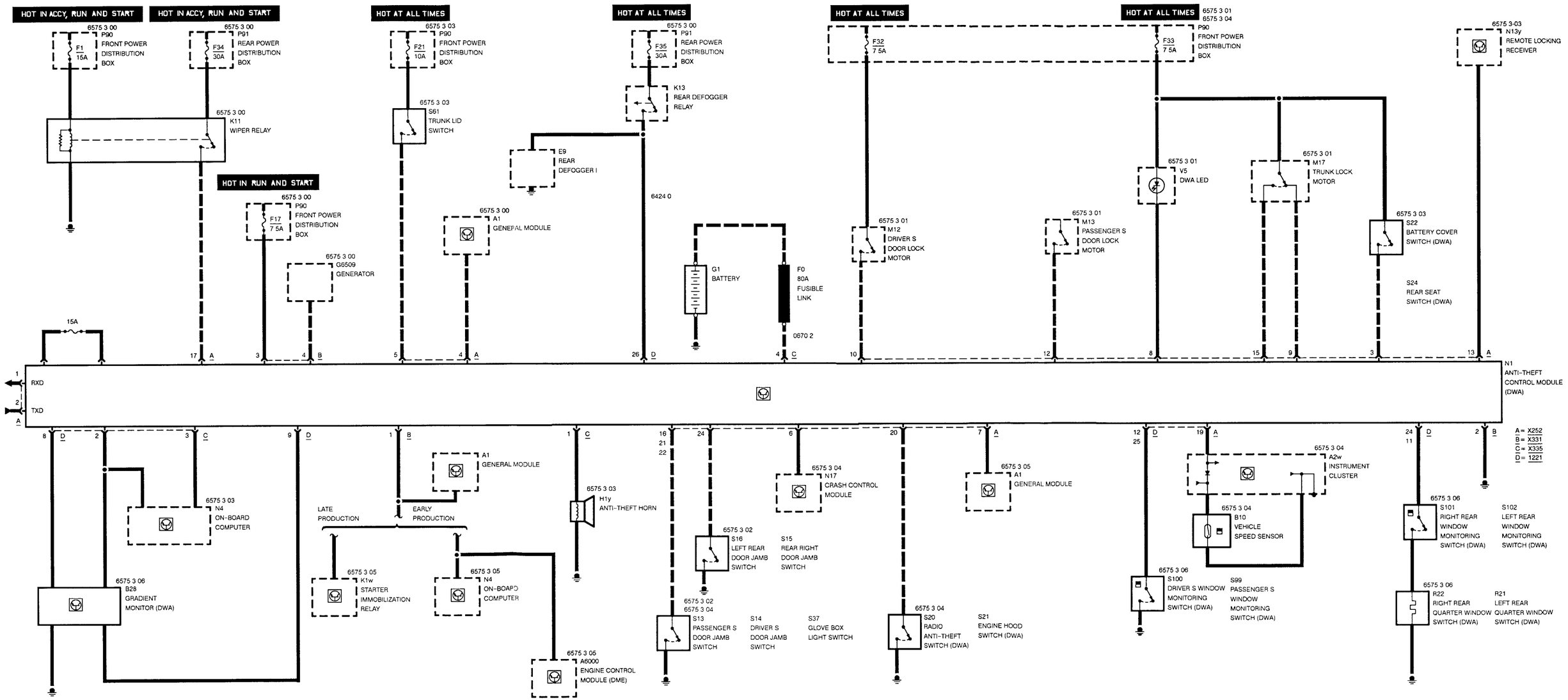
FRONT AND REAR DOOR JAMB SWITCHES



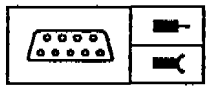
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Pin Assignments

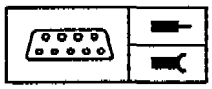
A=X252	26 Pins, black
B=X331	5 Pins, black
C=X335	4 Pins, black
D=X1221	26 Pins, white

X252

Pin	Type	Description/Function	Connection
1	A	Diagnosis RxD	Data link connector
2	E	Diagnosis TxD	Data link connector
3	E	Rear seat/battery monitor	Rear seat/battery micro switch
4	E	Central locking signal	General module
5	E	Trunk lid	Trunk lid light switch
6	A	"Optical Alarm"	Crash control module
7	E	QZV	General module
8	A	Status-LED	LED
9	E	Trunk lock motor	Lock motor switch
10	E	Driver's door lock motor	Lock motor switch
11		Not used	
12	E	Passenger's door lock motor	Lock motor switch
13	E	IRS lock signal	IR control module
14		Not used	
15	E	Trunk lock motor	Lock motor switch
16	E	Passenger's door	Passenger's door contact
17	E	Connection terminal R	Wiper relay
18	E	Central locking	Door lock switch
19	E	Impulse path	Instrument cluster
20	E	Hood/radio	Hood/radio contact
21	E	Driver's door	Driver's door contact
22	E	Glove box	Glove box contact
23		Not used	
24	E	Rear door contact	Door contacts

E = Input, A = Output, M = Ground

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Pin Assignments

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

X331

Pin	Type	Description/Function	Connection
1	A	Drive-away protection	BC, engine control module (DME) Starter immobilization relay (Late Production)
2	M	Ground	Ground connection
3	E	Ignition ON signal	Terminal 15
4	E	Terminal 61	Generator charge indicator
5		Not used	

X335

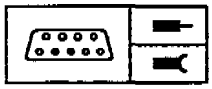
Pin	Type	Description/Function	Connection
1	A	Anti-theft horn connection	Anti-theft horn
2	A	Terminal 30S	BC, inclination monitoring
3	E	BC-alarm	BC
4	E	Terminal 30U	Battery

X1221

Pin	Type	Description/Function	Connection
1		Not used	
2		Not used	
3		Not used	
4		Not used	
5		Not used	
6		Not used	

E = Input, A = Output, M = Ground

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Pin Assignments

Pin	Type	Description/Function	Connection
7		Not used	
8	E	Inclination sensor	Gradient monitor
9	A	Inclination sensor	Gradient monitor
10		Not used	
11	E	Left rear windows	Left rear window contact
12	E	Driver's window	Driver's window contact
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	E	Right rear windows	Right rear window contact
25	E	Passenger's window	Passenger's window contact
26	E	Rear window	Rear defogger

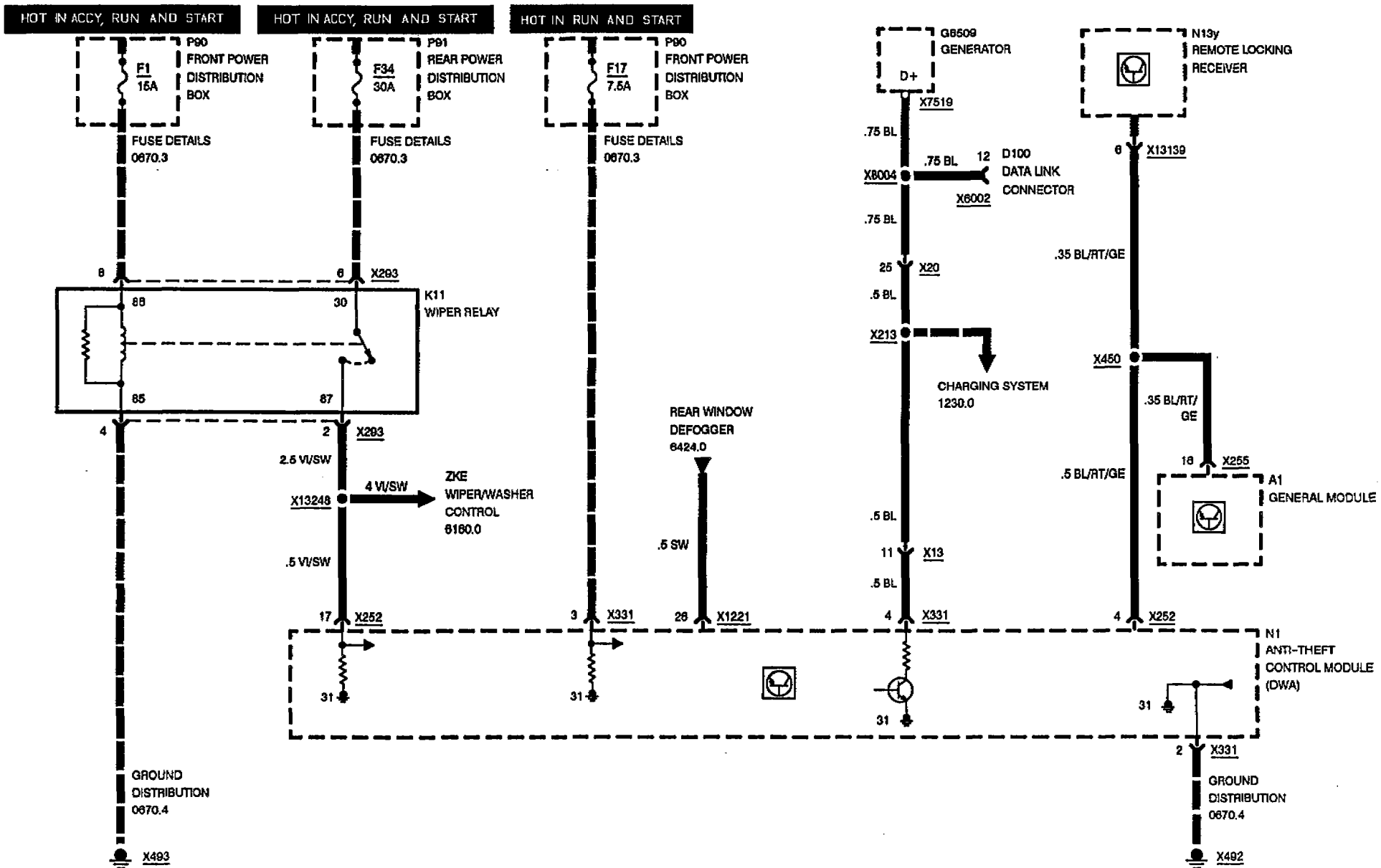
E = Input, A = Output, M = Ground

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ANTI-THEFT SYSTEM IV (DWA IV)

POWER

540i

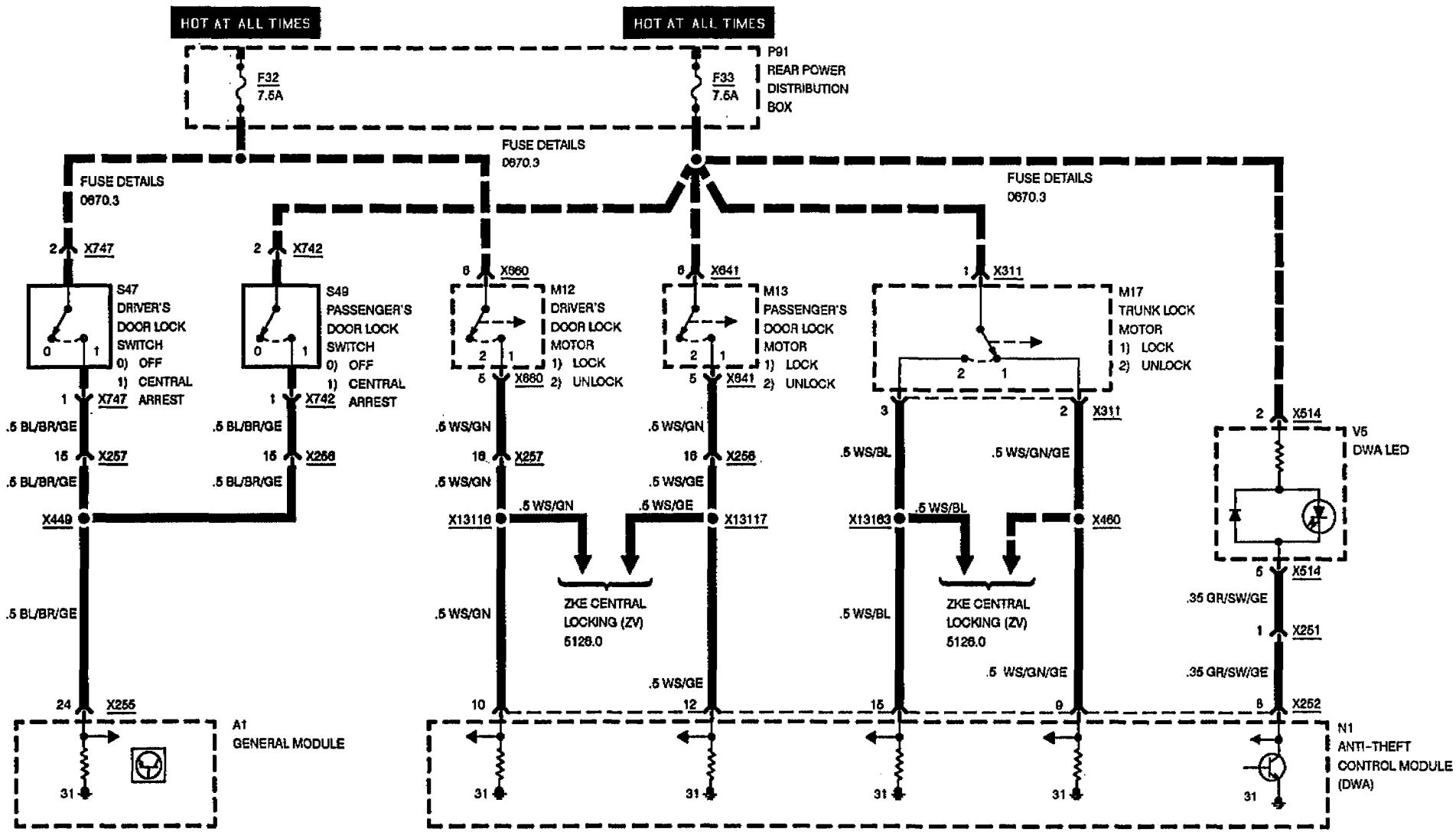


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ANTI-THEFT SYSTEM IV (DWA IV)

540i

DRIVER'S AND PASSENGER'S DOOR INPUTS, LIFT GATE AND INDICATOR LIGHTS

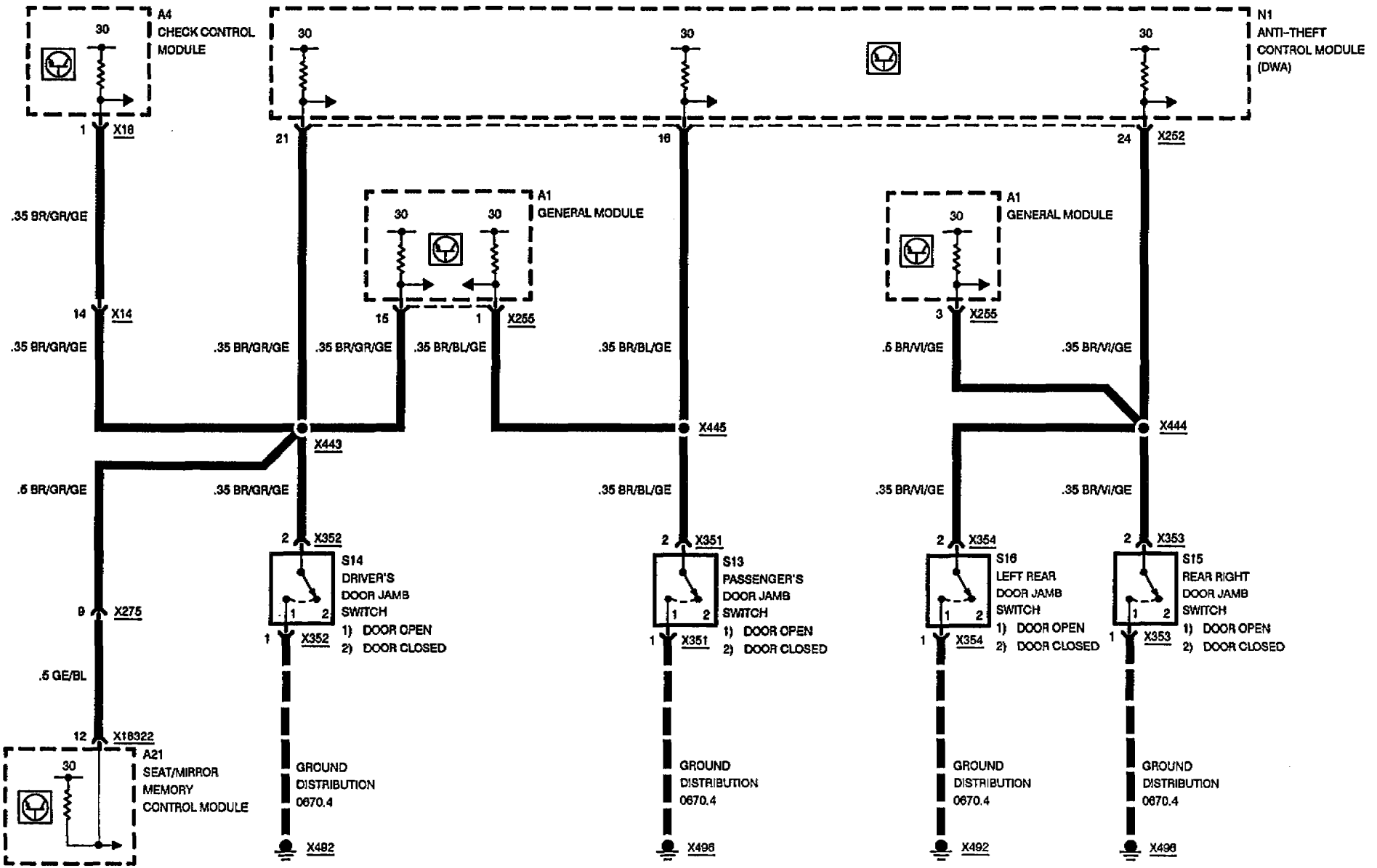


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ANTI-THEFT SYSTEM IV (DWA IV)

540i

FRONT AND REAR DOOR JAMB SWITCHES

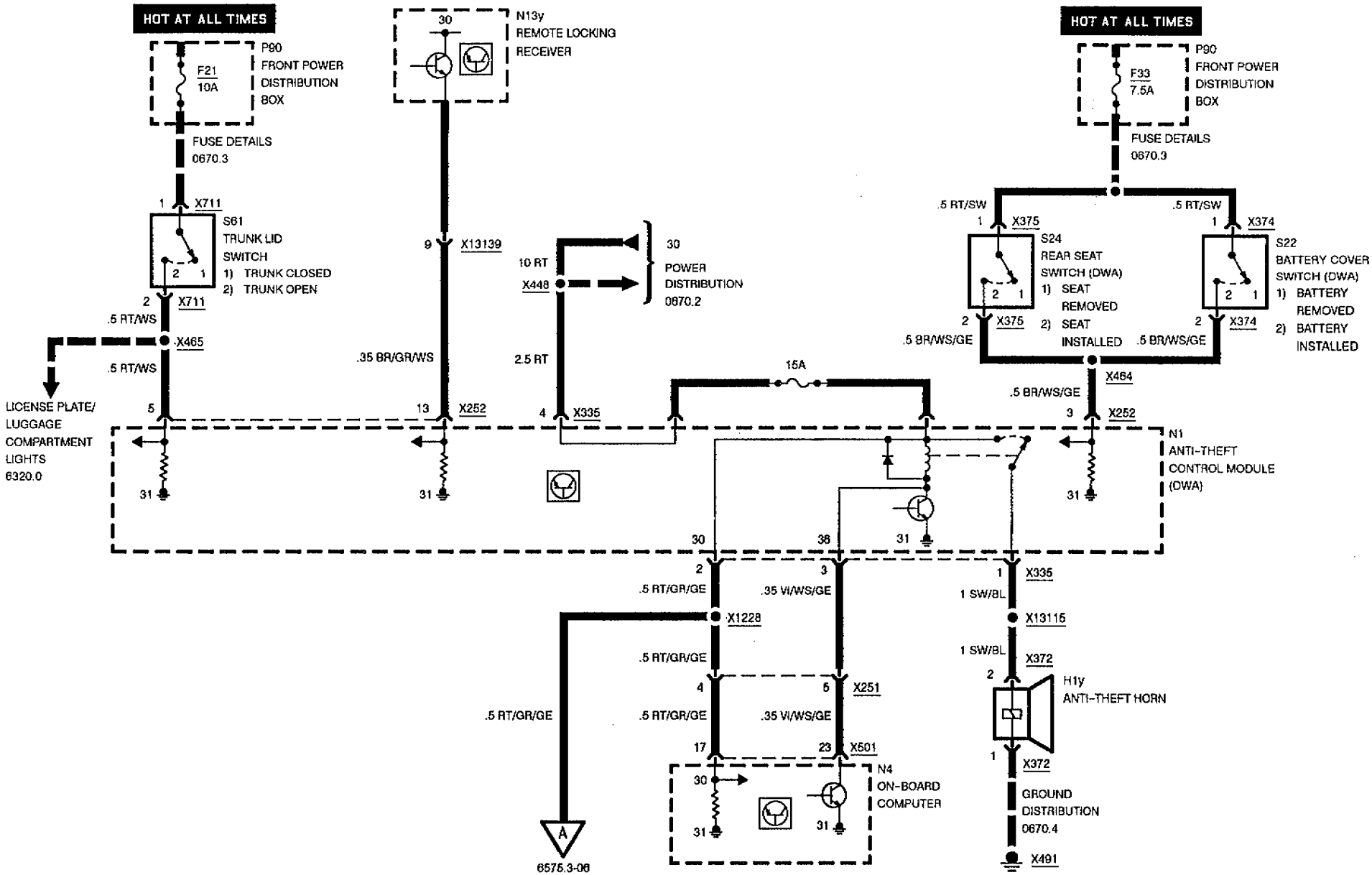


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ANTI-THEFT SYSTEM IV (DWA IV)

540i

ANTI-THEFT HORN (DWA), BATTERY, REAR SEAT

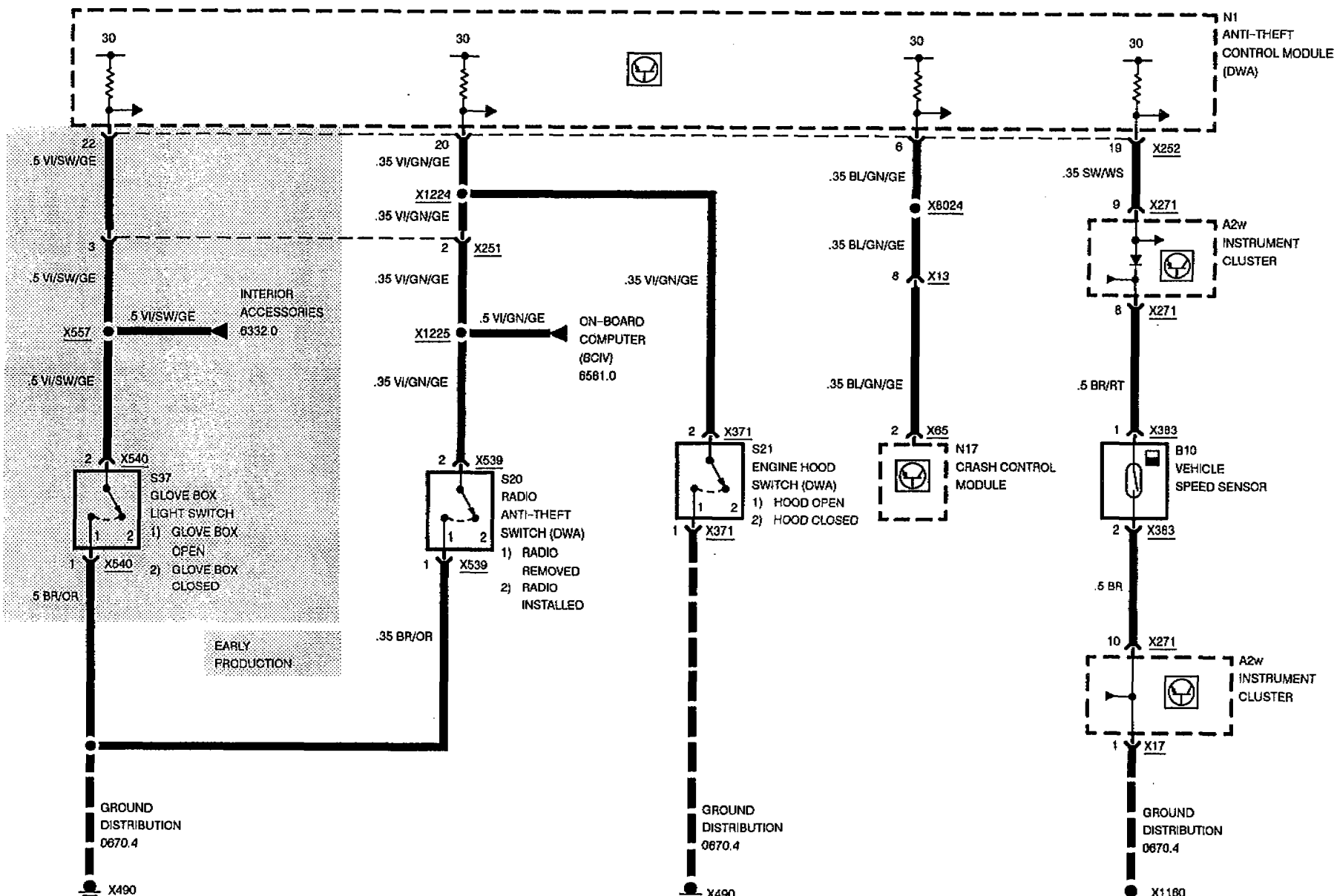


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ANTI-THEFT SYSTEM IV (DWA IV)

GLOVE BOX, RADIO, ENGINE HOOD, VISUAL ALARM, POSITION PULSES

540i

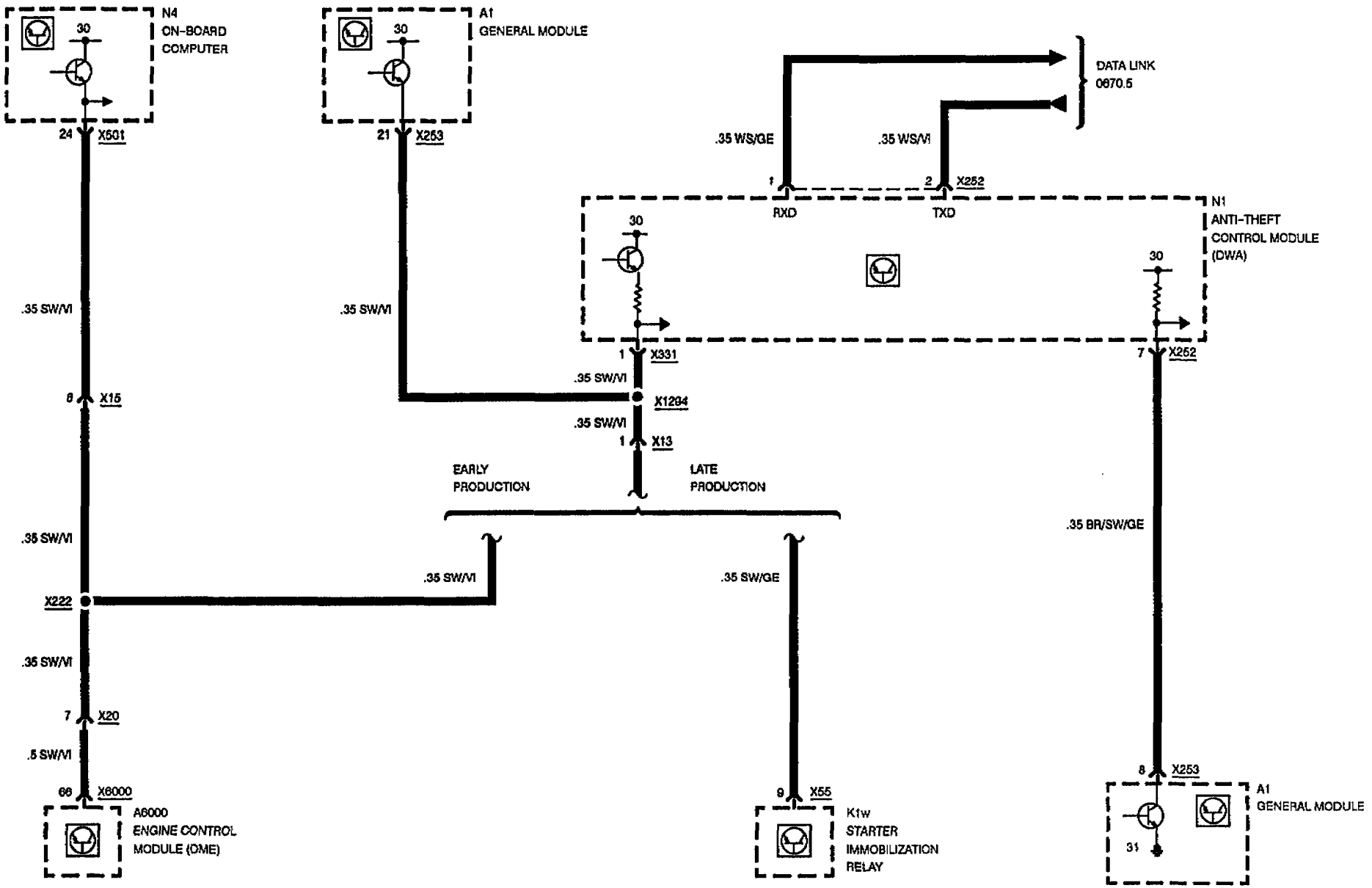


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ANTI-THEFT SYSTEM IV (DWA IV)

DATA LINK, DRIVE AWAY PROTECTION (QZV)

540i

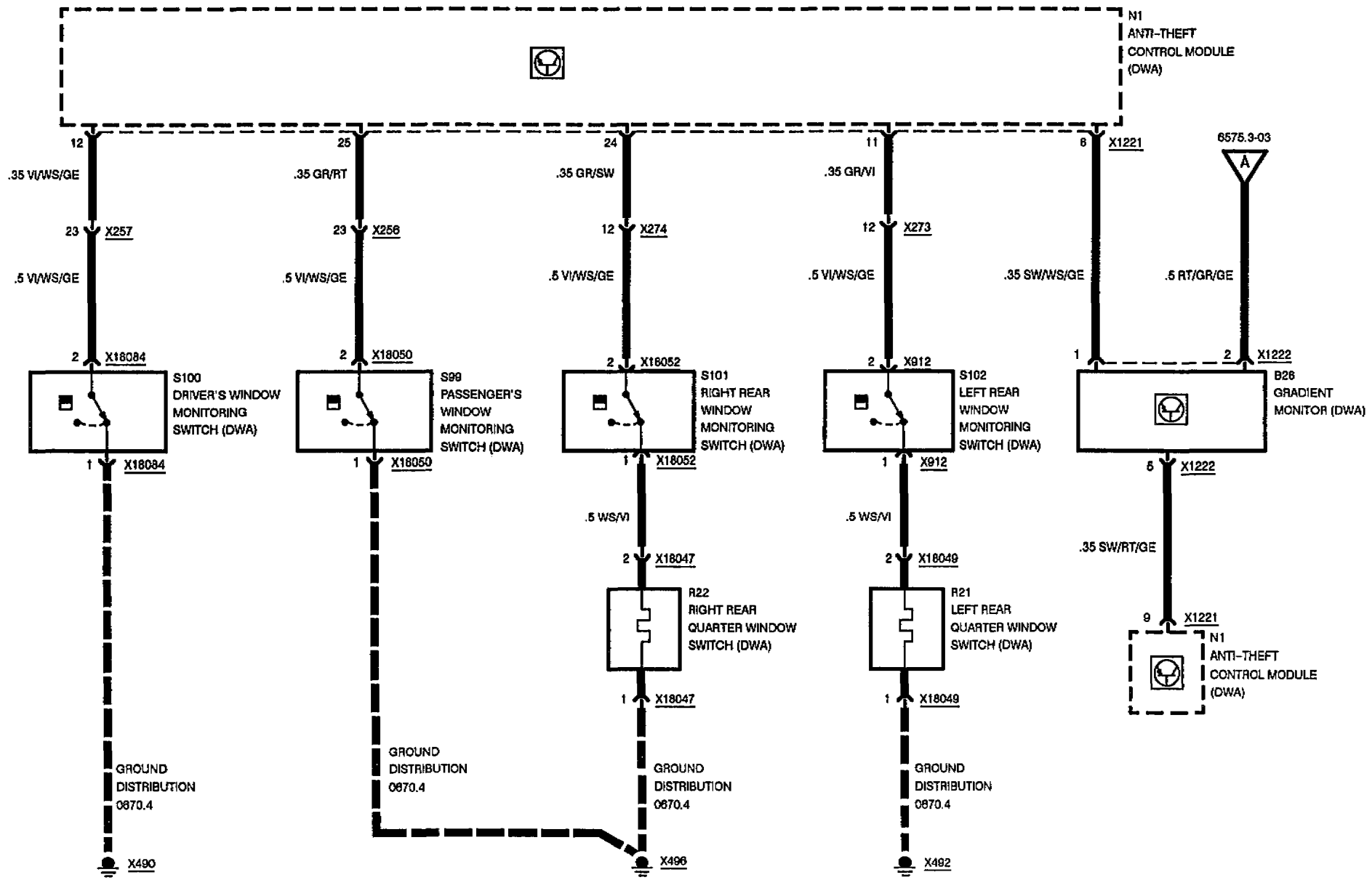


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ANTI-THEFT SYSTEM IV (DWA IV)

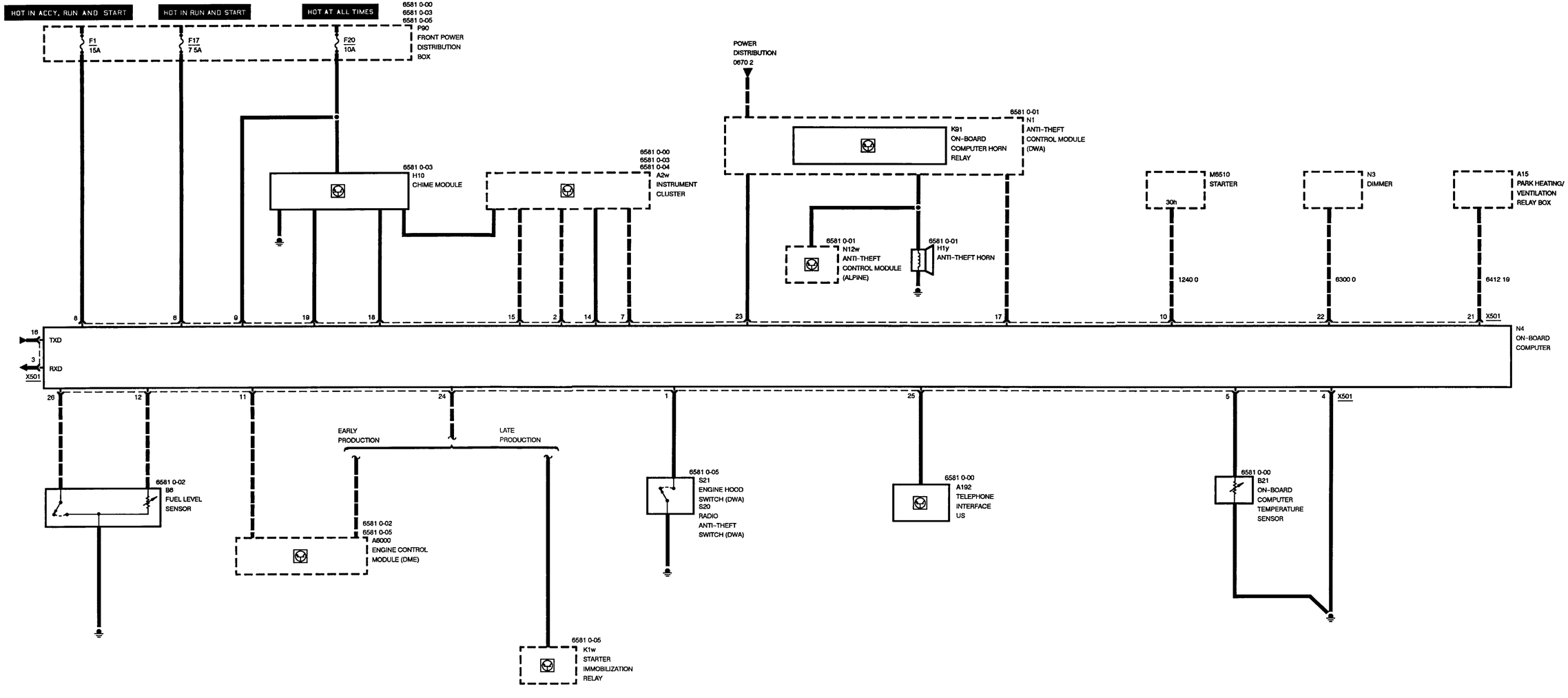
FRONT AND REAR WINDOW PROTECTION, INCLINATION MONITORING

540i

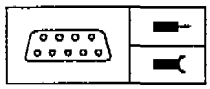


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Pin Assignments

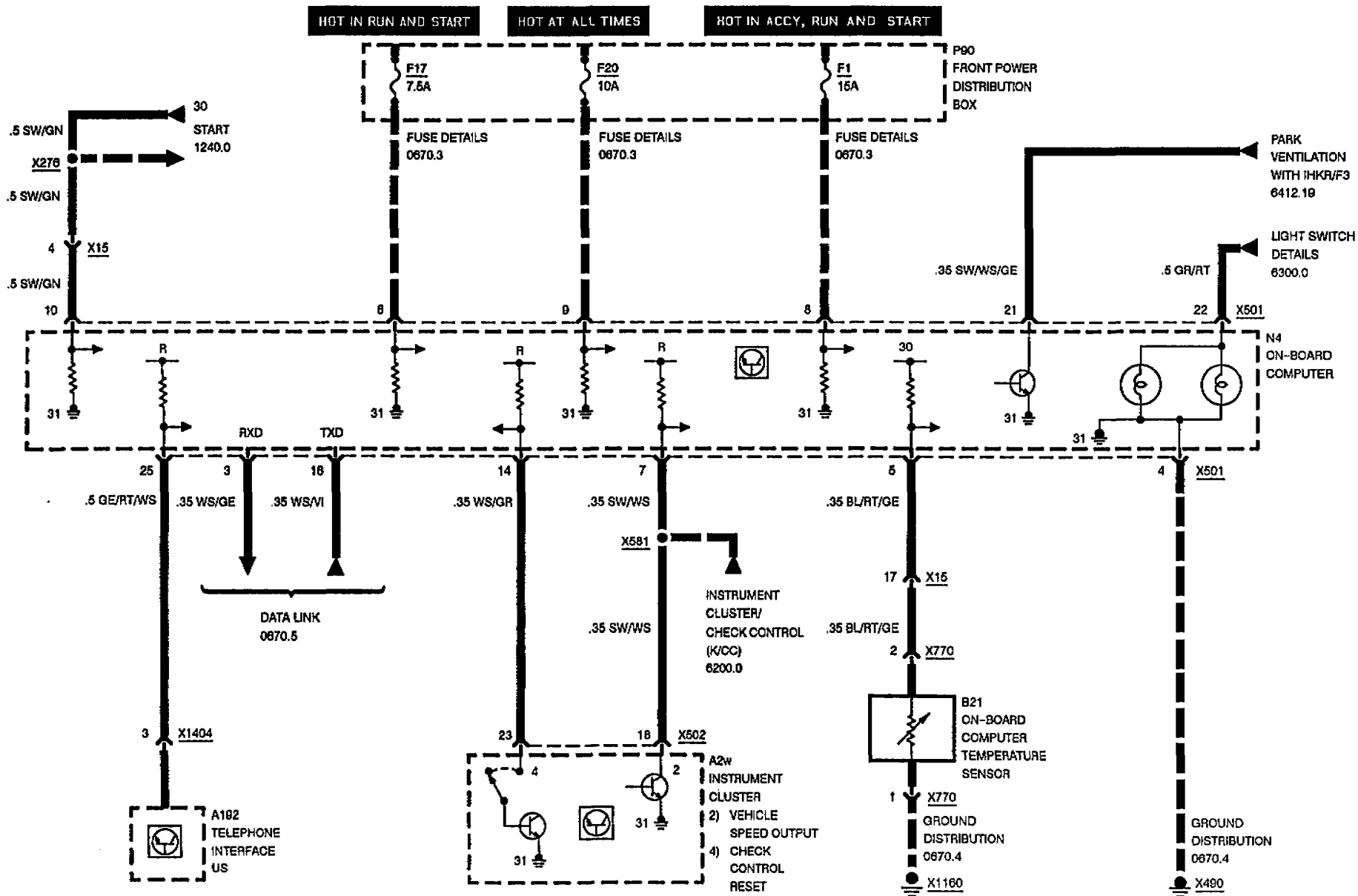
X501

Pin	Type	Description/Function	Connection
1	E	Hood tamper	Engine hood switch
2	A	DAC line	Instrument cluster
3	E	RxD diagnostic data link	Data link connector
4	M	Ground	Ground point
5	E	Outside temperature	Outside temperature sensor
6	E	Voltage supply, terminal 15	Front power distribution box
7	E	Vehicle speed signal	Instrument cluster
8	E	Voltage supply, terminal R	Front power distribution box
9	E	Voltage supply, terminal 30	Front power distribution box
10	E	Voltage supply, terminal 30h	Starter
11	E	Injection signal	Engine control module (DME)
12	E	Fuel gauge	Fuel tank sensor
13		Not used	
14	E	Check control reset button	Instrument cluster
15	E	LAC line	Instrument cluster
16	E/A	TxD diagnostic data link	Data link connector
17	E	Power input	On-board computer horn relay
18	A	Gong T2 control	Chime module
19	A	Gong T1 control	Chime module
20		Not used	
21	A	Independent ventilation control	Park heating/ventilation relay box
22	E	Instrument illumination, terminal 58g	Dimmer
23	A	On-board computer horn relay control	On-board computer horn relay
24	A	Drive-away protection signal	Engine control module (DME) Starter immobilization relay (Late Production)
25	E	Remote control (telephone)	Phone interface box
26	E	Reserve tank contact	Fuel tank sensor

E = Input, A = Output, M = Ground

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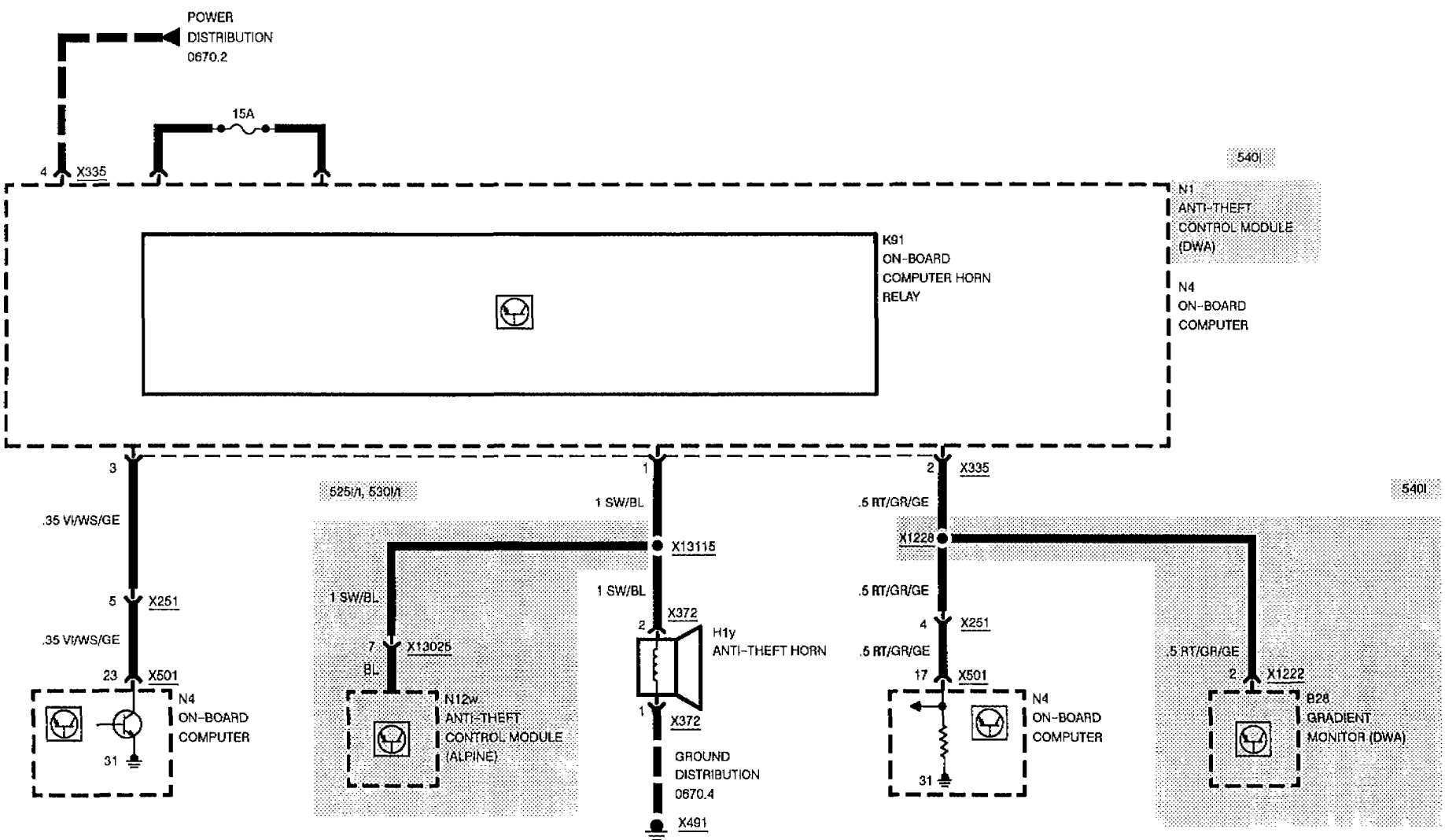
ON-BOARD COMPUTER (BCIV)



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ON-BOARD COMPUTER (BCIV)

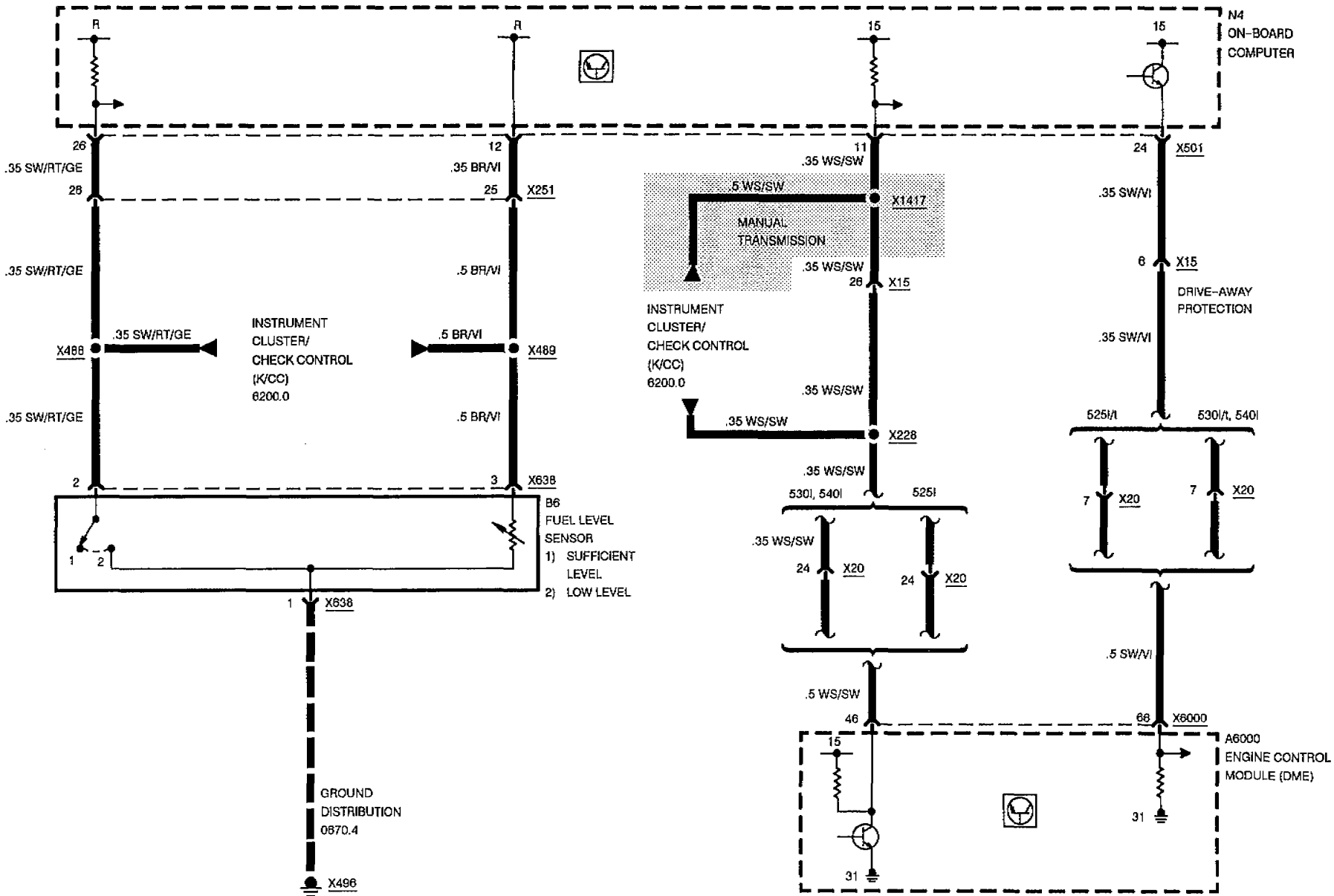
ANTI-THEFT HORN



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ON-BOARD COMPUTER (BCIV)

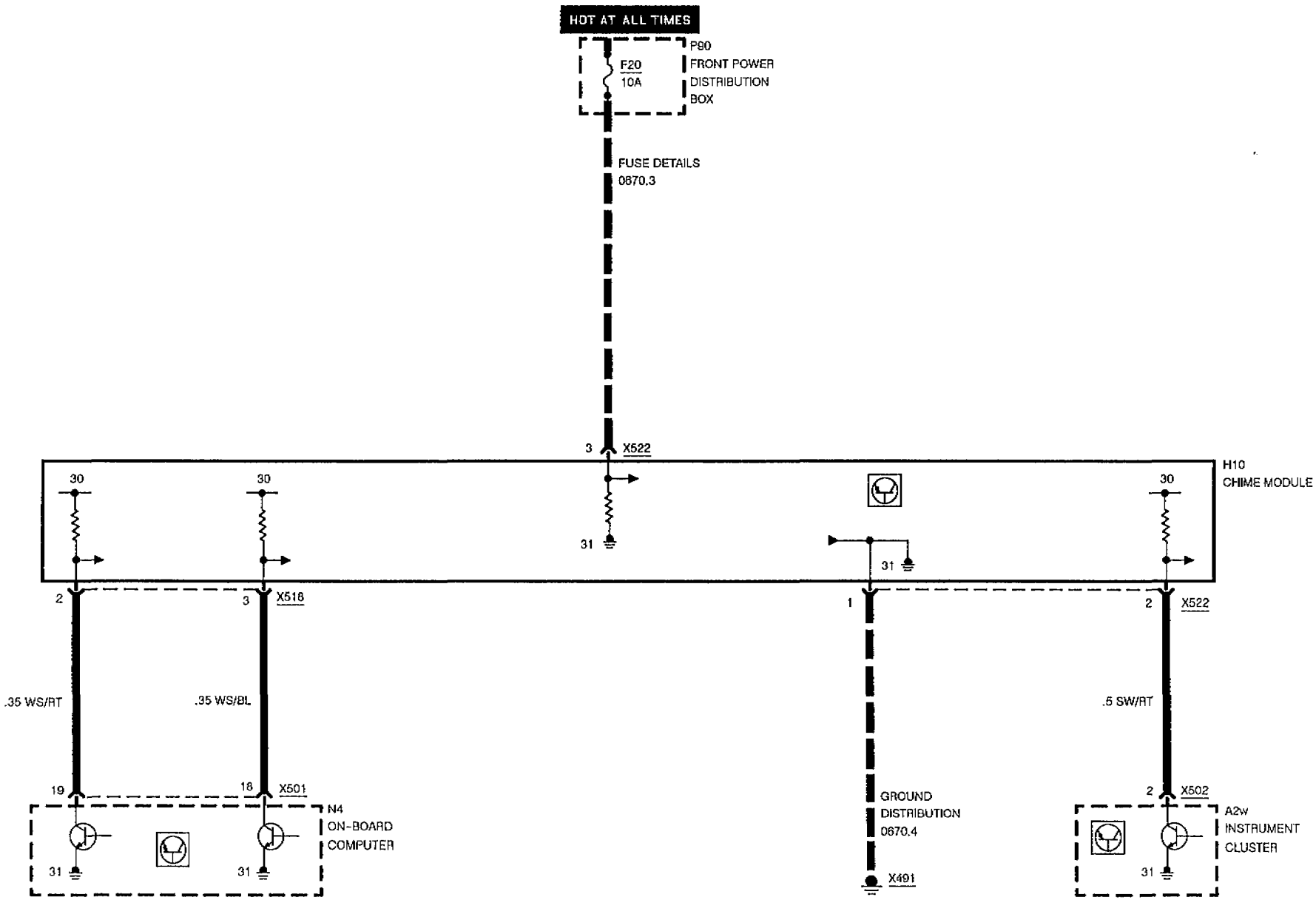
FUEL GAUGE



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ON-BOARD COMPUTER (BCIV)

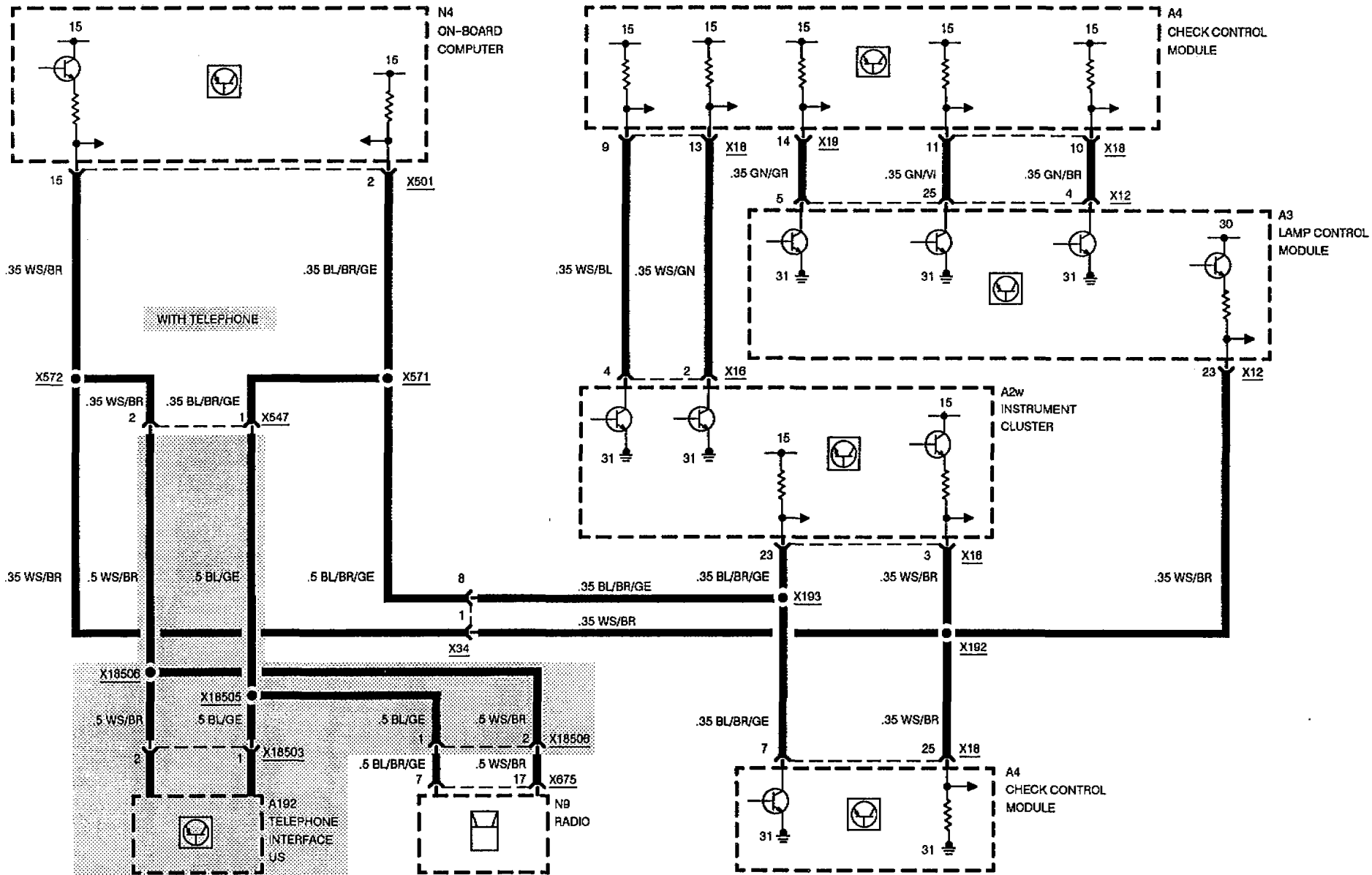
CHIME MODULE



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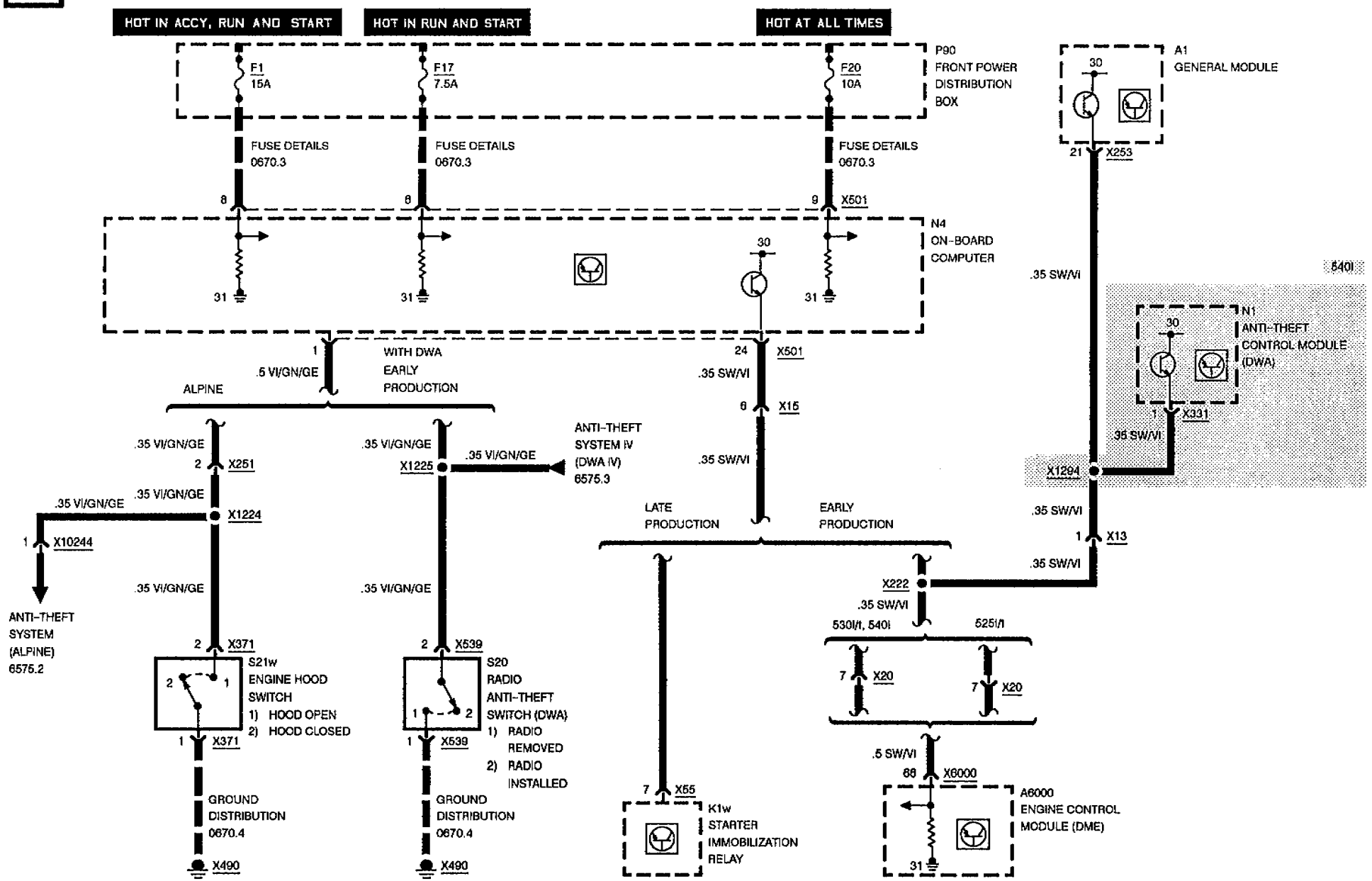
ON-BOARD COMPUTER (BCIV)

DATA LINK



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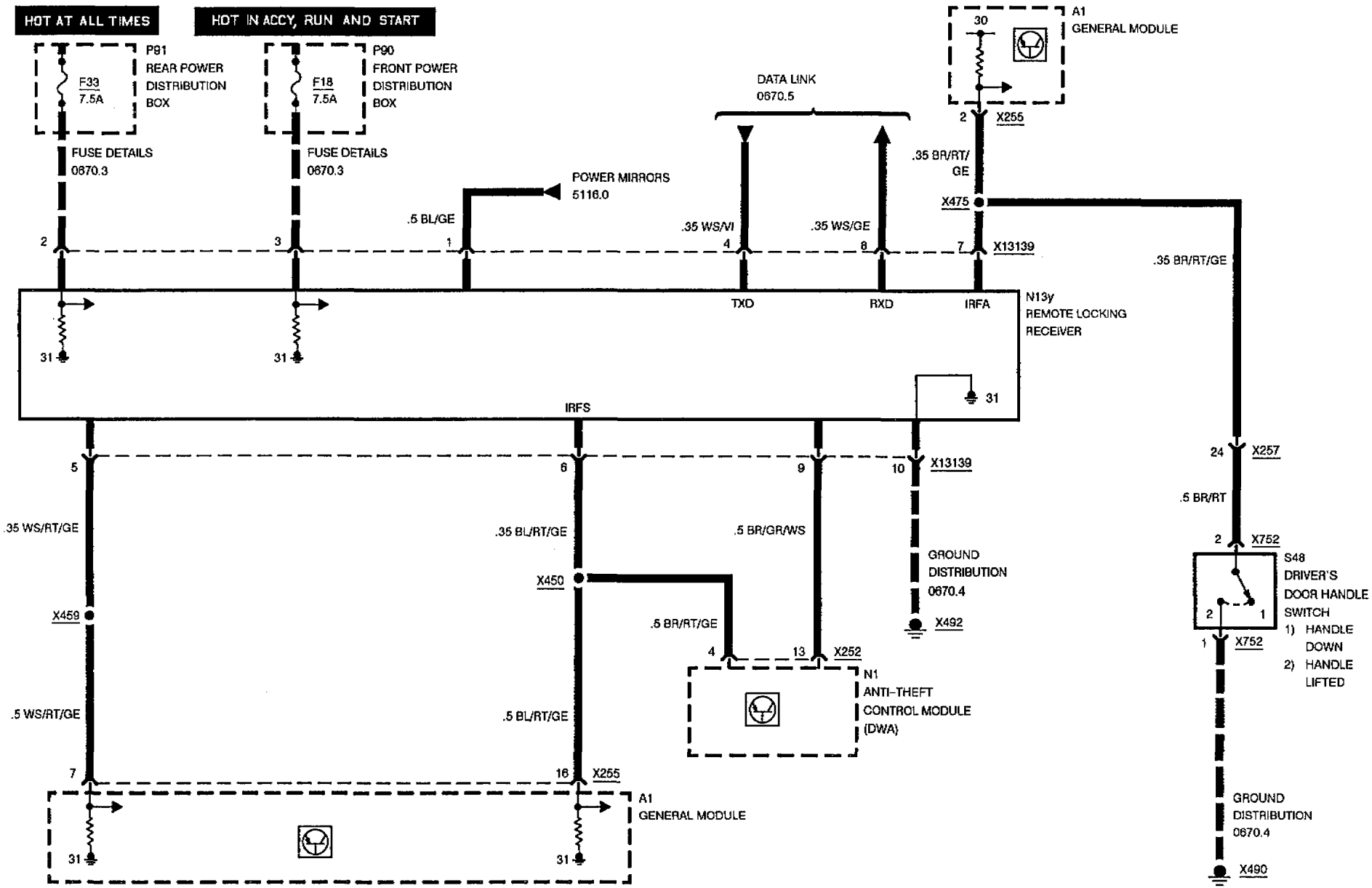
ON-BOARD COMPUTER (BCIV)



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REMOTE CONTROLLED LOCKING SYSTEM

540i



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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
A1	GENERAL MODULE	In Rear Power Distribution Box	00-3
A3	LAMP CONTROL MODULE	Front Power Distribution Box	00-2
A4	CHECK CONTROL MODULE	Front Power Distribution Box	00-2
A5	RELAY MODULE	In Rear Power Distribution Box	00-3
A7	SLIP CONTROL MODULE (ABS)	In E-Box	00-1
A8	CRUISE CONTROL MODULE (TEMPOMAT)	Behind LH footwell speaker grille	33-2
A12	SUPPLEMENTAL RESTRAINT SYSTEM CONTROL MODULE	Below LH side of rear seat	33-3
A15	PARK HEATING/VENTILATION RELAY BOX	Behind RH footwell speaker grille	
A18	HIFI AMPLIFIER	In LH rear side of luggage compartment	30-1
A18	HIFI AMPLIFIER	In LH rear side of luggage compartment	30-2
A21	SEAT/MIRROR MEMORY CONTROL MODULE	Underside of LH front seat	22-1
A2w	INSTRUMENT CLUSTER	LH side of dash	
A36	REAR WIPER/WASHER INTERVAL CONTROL MODULE	RH side of luggage compartment	30-3
A52	SLIP CONTROL MODULE (ABS/ASC)	In E-Box	00-1
A99	DOUBLE PANEL POWER SUNROOF CONTROL MODULE	In roof panel	29-1
A113	SEAT OCCUPANCY DETECTOR	RH front seat	
A192	TELEPHONE INTERFACE US	Below front of console	

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
A87w	INTEGRATED CLIMATE REGULATION CONTROL MODULE (IHKR/F3)	LH side of RH footwell	19-3	
A6000	ENGINE CONTROL MODULE (DME)	In E-Box	00-1	
A6007	ELECTRONIC THROTTLE CONTROL MODULE (ADS II)	Behind RH footwell speaker grille	35-2	
A8500	TRANSMISSION CONTROL MODULE (EGS)	In E-Box	00-1	
A8600	TRANSMISSION CONTROL MODULE (AGS)	In E-Box	00-1	
B1	RIGHT FRONT SPEED SENSOR - ABS	Behind RH front wheel		
B2	LEFT FRONT SPEED SENSOR - ABS	Behind LH front wheel	09-1	
B3	RIGHT REAR SPEED SENSOR - ABS	Behind RH rear wheel	09-2	
B4	LEFT REAR SPEED SENSOR - ABS	Behind LH rear wheel		
B6	FUEL LEVEL SENSOR	In RH side of luggage compartment	31-2	
B10	VEHICLE SPEED SENSOR	Under rear of car	09-3	
B11	LH HEAT EXCHANGER TEMPERATURE SENSOR	LH side of IHKR/F3 Plenum	19-2	
B12	RH HEAT EXCHANGER TEMPERATURE SENSOR	LH side of RH footwell	19-3	
B13	OUTSIDE TEMPERATURE SENSOR	Rear RH side of engine compartment	16-3	
B14	EVAPORATOR TEMPERATURE SENSOR	LH side of IHKR/F3 Plenum	19-2	
B16	LEFT FRONT BRAKE PAD SENSOR	Behind LH front wheel	09-1	
B17	RIGHT REAR BRAKE PAD SENSOR	Behind RH rear wheel	09-2	
B18	BRAKE FLUID LEVEL SWITCH	LH side of engine compartment	13-3	

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COMPONENT LOCATION CHART

COMPONENT

PAGE – FIGURE
7100.0 8500.0

B21 ...	ON-BOARD COMPUTER TEMPERATURE SENSOR	Under LH front bumper	10-2
B22 ...	WHEEL CAMBER CONTROL MODULE	Under RH rear of car RH side of differential	
B28 ...	GRADIENT MONITOR (DWA)	In LH forward side of luggage compartment	33-1
B54 ...	DOUBLE PANEL POWER SUN ROOF SENSOR I	Behind front of roof trim panel	
B55 ...	DOUBLE PANEL POWER SUN ROOF SENSOR II	In roof panel	29-1
B60 ...	CARBON CANISTER	Behind LH front fog light (530i/t) (540i)	
B8y ...	PRESSURE SWITCH	Front RH side of engine compartment	
B9y ...	PRESSURE SWITCH	Front RH side of engine compartment	
B400 ..	MICROPHONE	Center of dash	
B900 ..	JUMPER PLUG	In Front Power Distribution Box	11-1
B6163 .	SECONDARY AIR PUMP VALVE	Front of engine compartment	32-3
B6200 .	HEATED OXYGEN SENSOR	On catalytic converter	
B6203 .	CRANKSHAFT POSITION/RPM SENSOR	Front RH side of engine compartment	05-1
B6204 .	CAMSHAFT POSITION SENSOR (CYLINDER IDENTIFICATION)	Front RH side of engine compartment (530i/t) (540i)	05-1
B6205 .	INTAKE AIR TEMPERATURE SENSOR	Front of engine on coolant inlet	14-1
B6206 .	MASS AIR FLOW SENSOR	RH front of engine (530i/t) (540i)	05-3
B6208 .	CAMSHAFT ACTUATOR	Front of engine	
B6209 .	HALL EFFECT CAMSHAFT SENSOR	Front of engine (525i/t)	13-2
B6209 .	HALL EFFECT CAMSHAFT SENSOR	Top front of engine	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
B6217	HOT FILM AIR MASS METER	Top front of engine		
B6230	OIL LEVEL SENSOR	Underside of oil pan		10-1
B6231	OIL PRESSURE SWITCH	Front of engine (525i/t)		13-2
B6231	OIL PRESSURE SWITCH	Lower LH front of engine (530i/t) (540i)		
B6232	ENGINE COOLANT TEMPERATURE SENSOR	Front of engine (525i/t)		13-2
B6235	TEMPERATURE SWITCH	In E-Box		15-2
B6236	ENGINE COOLANT TEMPERATURE SENSOR	Front of engine (525i/t)		13-2
B6236	ENGINE COOLANT TEMPERATURE SENSOR	Rear of engine RH side of engine (530i/t) (540i)		
B6241	CYL. 1-2 KNOCK SENSOR	LH side of engine (530i/t) (540i)		
B6242	CYL. 3-4 KNOCK SENSOR	LH side of engine (530i/t) (540i)		
B6243	CYL. 5-6 KNOCK SENSOR	RH side of engine (530i/t) (540i)		
B6244	CYL. 7-8 KNOCK SENSOR	RH side of engine (530i/t) (540i)		
B9508	PRESSURE SWITCH	Front RH side of engine compartment		16-2
B6210w	CYL. 1-4 HEATED OXYGEN SENSOR	Under transmission (530i/t) (540i)		
B6215w	CYL. 1-8 AIR TEMPERATURE SENSOR	Top front of engine compartment (530i/t) (540i)		08-1
B6220w	CYL. 5-8 HEATED OXYGEN SENSOR	Under transmission (530i/t) (540i)		
B6241w	CYL. 1-3 KNOCK SENSOR	Top front of engine (525i/t)		
B6242w	CYL. 4-6 KNOCK SENSOR	Top front of engine (525i/t)		
C101	CONTACT RING	Top of steering column		20-1
C900	SUPPRESSION FILTER	In upper RH C-pillar		28-2

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
D100	DATA LINK CONNECTOR	Near E-Box left (530i/t) (540i)	05-2
E9	REAR DEFOGGER I	In rear window	
E10	REAR DEFOGGER/ANTENNA	In rear window	
E11	LEFT HIGH BEAM LIGHT	Front of car left	
E12	RIGHT HIGH BEAM LIGHT	Front of car right	
E13	LEFT LOW BEAM LIGHT	Front of car left	
E14	RIGHT LOW BEAM LIGHT	Front of car right	
E15	LEFT PARK LIGHT	Front of car left	
E16	LEFT REAR LIGHT ASSEMBLY	Rear of car left	
E17	RIGHT REAR LIGHT ASSEMBLY	Rear of car right	
E19	RIGHT PARK LIGHT	Front of car right	
E21	LEFT FRONT MARKER LIGHT	Near LH headlight assembly	
E22	RIGHT FRONT MARKER LIGHT	Near RH headlight assembly	
E26	LEFT FOG LIGHT	Front of car left	
E27	RIGHT FOG LIGHT	Front of car right	
E28	FRONT CIGAR LIGHTER	Center console	
E29	FRONT CIGAR LIGHTER LIGHT	Center of dash below front of console	
E34	FRONT DOME LIGHT/MAP READING ASSEMBLY	Center of windshield header	
E35	DRIVER'S MAKEUP MIRROR LIGHT	Center of windshield header	
E36	PASSENGER'S MAKEUP MIRROR LIGHT	Center of windshield header	

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
E39	LEFT REAR INTERIOR LIGHT	In upper LH C-pillar	28-3	
E40	RIGHT REAR INTERIOR LIGHT	In upper RH C-pillar		
E42	GLOVE BOX LIGHT	RH side of glove box above		
E43	LEFT LICENSE PLATE LIGHT	Underside of trunk lid		
E44	RIGHT LICENSE PLATE LIGHT	Underside of trunk lid		
E46	LEFT TRUNK LIGHT ASSEMBLY	Underside of trunk lid		
E47	RIGHT TRUNK LIGHT ASSEMBLY	Underside of trunk lid		
E48	DOOR LOCK HEATER	LH front door in door at key lock assembly		
E51	LEFT WASHER JET HEATER	On underside of engine hood		
E52	RIGHT WASHER JET HEATER	On underside of engine hood		
E56	DRIVER'S SEATBACK HEATER	In lower LH front seatback		
E57	DRIVER'S SEAT HEATER	Underside of LH front seat		
E58	PASSENGER'S SEAT HEATER	Underside of RH front seat		
E59	PASSENGER'S SEATBACK HEATER	In lower RH front seatback		
E62	RIGHT FRONT FOOTWELL LIGHT	Center console		
E70	LEFT REAR SIDE MARKER LIGHT	Front of car		
E71	RIGHT REAR SIDE MARKER LIGHT	Front of car		
E82	TRANSMISSION POSITION INDICATOR LIGHT	Center console		
E104	THROTTLE FLAP HEATER	Near throttle body (525i/t)	35-1	
E33w	TRUNK LID LIGHT	Underside of trunk lid		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
E41z	MIXING ACTUATOR LIGHTS	Center of dash		
E9000	RIGHT FRONT LIGHT ASSEMBLY	Right		
E9001	LEFT FRONT LIGHT ASSEMBLY	Left		
G1	BATTERY	Below RH side of rear seat		27-3
G5	DRIVER'S AIR BAG GAS GENERATOR	Top of steering column		20-1
G6	PASSENGER'S AIR BAG GAS GENERATOR I	RH side of dash		
G6430	B+ JUMP START JUNCTION POINT	Rear LH side of engine compartment (525i/t)		01-1
G6430	B+ JUMP START JUNCTION POINT	Rear RH side of engine compartment (530i/t) (540i)		05-2
G6509	GENERATOR	In the engine compartment		
H2	LEFT HORN	Front LH side of engine compartment		16-1
H3	RIGHT HORN	Front RH side of engine compartment		16-1
H4	RIGHT FRONT TURN LIGHT	Front of car		
H5	RIGHT REAR TURN LIGHT	RH side of body rear end		
H6	LEFT REAR TURN LIGHT	LH side of body rear end		
H7	LEFT FRONT TURN LIGHT	Front of car		
H10	CHIME MODULE	LH footwell		17-2
H1y	ANTI-THEFT HORN	Rear RH side of engine compartment		16-3
H24	LEFT BRAKE LIGHT	LH side of body rear end		
H25	LEFT TAIL LIGHT	LH side of body rear end		
H26	LEFT REAR FOG LIGHT	LH side of body rear end		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
H27	LEFT BACK UP LIGHT	LH side of body rear end		
H28	RIGHT BACK UP LIGHT	RH side of body rear end		
H29	RIGHT REAR FOG LIGHT	RH side of body rear end		
H30	RIGHT TAIL LIGHT	RH side of body rear end		
H31	RIGHT BRAKE LIGHT	RH side of body rear end		
H34	HIGH LEVEL STOP LIGHT	At back of rear window shelf		
H38	TELEPHONE TRANSCEIVER	In LH forward side of luggage compartment		
H41	LEFT FRONT SPEAKER	In upper LH front door		
H50	RIGHT FRONT HIGH RANGE SPEAKER	In upper RH front door		
H51	RIGHT FRONT LOW RANGE SPEAKER	Behind RH footwell speaker grille		
H52	RIGHT REAR LOW RANGE SPEAKER	In roof panel (touring)		32-1
H52	RIGHT REAR LOW RANGE SPEAKER	Under rear window shelf		
H53	RIGHT REAR HIGH RANGE SPEAKER	In roof panel (touring)		32-1
H53	RIGHT REAR HIGH RANGE SPEAKER	Under rear window shelf		
H54	RIGHT FRONT MIDRANGE SPEAKER	In upper RH front door		
H55	LEFT FRONT MIDRANGE SPEAKER	In upper LH front door		
H56	LEFT REAR HIGH RANGE SPEAKER	In roof panel (touring)		32-1
H56	LEFT REAR HIGH RANGE SPEAKER	Under rear window shelf		
H57	LEFT REAR LOW RANGE SPEAKER	In roof panel (touring)		32-1
H57	LEFT REAR LOW RANGE SPEAKER	Under rear window shelf		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
H58	LEFT FRONT LOW RANGE SPEAKER	Behind LH footwell speaker grille		
H59	LEFT FRONT HIGH RANGE SPEAKER	In upper LH front door		
H90	LEFT TRUNK LIGHT	In LH forward side of luggage compartment		
H91	RIGHT TRUNK LIGHT	Underside of trunk lid		
K1	STARTER RELAY	In Front Power Distribution Box		11-1
K2	HORN RELAY	In Front Power Distribution Box		11-1
K3	UNLOADER RELAY, TERMINAL R	In Front Power Distribution Box		11-1
K4	BLOWER RELAY	In Front Power Distribution Box		11-1
K5	WASHER PUMP RELAY	In Front Power Distribution Box		10-3
K8	AUXILIARY WATER PUMP RELAY	In Front Power Distribution Box		11-1
K9	UNLOADER RELAY, TERMINAL 15	In Front Power Distribution Box		10-3
K11	WIPER RELAY	In Rear Power Distribution Box		26-3
K13	REAR DEFOGGER RELAY	In Rear Power Distribution Box		26-3
K15	ELECTRIC POWER PROTECTION RELAY	In Rear Power Distribution Box		26-3
K16	HAZARD FLASHER RELAY	In Front Power Distribution Box		11-2
K19	COMPRESSOR CONTROL RELAY	In Front Power Distribution Box		10-3
K1w	STARTER IMMOBILIZATION RELAY	Behind LH footwell speaker grille		33-2
K21	NORMAL SPEED RELAY	In LH auxiliary relay box, engine compartment		12-3
K22	HIGH SPEED RELAY	In LH auxiliary relay box, engine compartment		12-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
K25 ...	RIGHT PARK LIGHT/LICENSE PLATE LIGHT RELAY	Below LH side of dash near hood release lever		
K26 ...	LEFT PARK LIGHT RELAY	Below LH side of dash near hood release lever		
K51 ...	JUMPER PLUG FOR HORN/TELEPHONE	In Front Power Distribution Box		11-2
K61 ...	UNLOADER RELAY, TERMINAL 61	In Front Power Distribution Box		11-2
K70 ...	CENTRAL LOCKING TRUNK LID MOTOR RELAY (ZV)	RH side of luggage compartment		30-3
K87 ...	ELECTRIC STEERING COLUMN ADJUSTMENT RELAY	Below LH side of dash		
K90 ...	WINDOW MOTOR RELAY	RH side of luggage compartment		30-3
K91 ...	ON-BOARD COMPUTER HORN RELAY	Below LH side of rear seat		27-1
K94 ...	ABS PUMP MOTOR RELAY	Behind LH footwell speaker grille		33-2
K95 ...	VALVE RELAY (ABS/ASC)	Behind LH footwell speaker grille		33-2
K64w ..	TRUNK LID OPEN WARNING RELAY	Rear of luggage compartment		
K6300 .	ENGINE CONTROL MODULE RELAY	In E-Box		15-1
K6303 .	OXYGEN SENSOR RELAY	In E-Box		15-1
K6304 .	SECONDARY AIR PUMP RELAY	In E-Box		15-1
K6301w	FUEL PUMP RELAY	In E-Box		15-1
M2	FUEL PUMP	In RH side of luggage compartment		31-2
M3	WIPER MOTOR	Behind LH fresh air cowl		12-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
M4	WASHER PUMP	Front RH side of engine compartment	
M7	HEADLIGHT/FOG LIGHT WASHER PUMP	Front RH side of engine compartment near windshield washer reservoir	
M9	AUXILIARY FAN MOTOR	Behind front grille	16-1
M12	DRIVER'S DOOR LOCK MOTOR	Driver's door	25-1
M13	PASSENGER'S DOOR LOCK MOTOR	Passenger's door	25-3
M14	RIGHT REAR DOOR LOCK MOTOR	In upper RH rear door	34-3
M15	LEFT REAR DOOR LOCK MOTOR	In upper LH rear door	34-2
M16	GAS FILLER LOCK MOTOR	In RH side of luggage compartment	31-1
M17	TRUNK LOCK MOTOR	Underside of trunk lid	29-2
M20	LEFT REAR WINDOW MOTOR	In lower LH rear door	34-2
M21	DRIVER'S WINDOW MOTOR	Driver's door	25-2
M22	RIGHT REAR WINDOW MOTOR	In lower RH rear door	34-3
M23	PASSENGER'S WINDOW MOTOR	Passenger's door	26-1
M24	SUNROOF MOTOR	Center of windshield header near rear view mirror	21-3
M25	CRUISE CONTROL ACTUATOR (TEMPOMAT)	Front LH side of engine compartment (530i/t) (540i)	06-1
M25	CRUISE CONTROL ACTUATOR (TEMPOMAT)	LH side of engine compartment (525i/t)	12-2
M30	BLOWER MOTOR	Rear RH side of engine compartment	16-3
M36	FRESH AIR FLAP MOTOR	LH side of IHKR/F3 Plenum	19-2
M40	RECIRCULATION FLAP MOTOR	LH side of IHKR/F3 Plenum	19-2
M50	DRIVER'S SEAT CUSHION TILT MOTOR	Underside of LH front seat	23-2

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COMPONENT LOCATION CHART

COMPONENT		PAGE – FIGURE 7100.0	8500.0
M51 ... DRIVER'S SEAT MOVEMENT MOTOR	Underside of LH front seat	23-2	
M52 ... DRIVER'S SEAT HEIGHT MOTOR	Underside of LH front seat	23-2	
M53 ... DRIVER'S SEATBACK RECLINER MOTOR ...	Underside of LH front seat	23-2	
M54 ... DRIVER'S HEADREST MOTOR	In driver's seatback	26-2	
M55 ... DRIVER'S SEAT LUMBAR SUPPORT MOTOR .	Under LH front seat		
M56 ... PASSENGER'S SEAT LUMBAR SUPPORT MOTOR	Under RH front seat		
M57 ... PASSENGER'S SEAT HEADREST MOTOR ...	In upper RH front seatback		
M58 ... PASSENGER'S SEATBACK RECLINER MOTOR	Under RH front seat		
M59 ... PASSENGER'S SEAT HEIGHT MOTOR	Under RH front seat		
M60 ... PASSENGER'S SEAT MOVEMENT MOTOR ..	Under RH front seat		
M61 ... PASSENGER'S SEAT CUSHION TILT MOTOR	Under RH front seat		
M63 ... SECONDARY AIR PUMP	Front RH side of engine compartment	32-2	
M65 ... DRIVER'S THIGH SUPPORT MOTOR	Underside of LH front seat	23-2	
M66 ... PASSENGER'S THIGH SUPPORT MOTOR ...	Under RH front seat		
M82 ... STEERING COLUMN LENGTH ADJUST MOTOR	Bottom of steering column	17-3	
M87 ... MOTOR DRIVE I DOUBLE PANEL POWER SUNROOF	In roof panel		
M88 ... MOTOR DRIVE II DOUBLE PANEL POWER SUNROOF	In roof panel	29-1	
M93 ... AUX. THROTTLE POSITION MOTOR (ADS) ..	Front LH side of engine compartment (530I/t) (540I)	06-1	
M93 ... AUX. THROTTLE POSITION MOTOR (ADS) ..	Near throttle body (525i/t)	35-1	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
M94 ...	REAR WINDOW WIPER MOTOR	Rear of luggage compartment on lift gate behind trim panel	
M95 ...	REAR WINDOW WASHER PUMP	RH side of luggage compartment	31-3
M96 ...	REAR WINDOW MOTOR	Rear of luggage compartment in lift gate	29-3
M97 ...	LIFT GATE MOTOR	Rear of luggage compartment in lift gate	29-3
M37a ..	AUXILIARY WATER PUMP	Rear LH side of engine compartment	11-3
M6506 .	E-BOX FAN	Rear RH side of engine compartment in E-Box	
M6510 .	STARTER	LH side of engine compartment below intake manifold	
N1	ANTI-THEFT CONTROL MODULE (DWA)	Below LH side of rear seat	33-3
N3	DIMMER	LH side of dash	
N4	ON-BOARD COMPUTER	Center of dash	
N6	HEADLIGHT/FOGLIGHT CLEANING MODULE (SRA)	In LH auxiliary relay box, engine compartment	12-3
N8	ANTENNA AMPLIFIER AM/FM	In upper LH C-pillar	28-3
N9	RADIO	Center of dash	20-3
N10 ...	MULTI-FUNCTION CLOCK	Center of dash	
N17 ...	CRASH CONTROL MODULE	In Front Power Distribution Box	11-2
N22 ...	CD CHANGER	In luggage compartment	30-2
N50 ...	CLOCK	Center of dash	
N12w ..	ANTI-THEFT CONTROL MODULE (ALPINE)	Below RH side of rear seat	
N13y ..	REMOTE LOCKING RECEIVER	Near rear view mirror	
N404 ..	DIVERSITY	In upper LH C-pillar	28-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
P90	FRONT POWER DISTRIBUTION BOX	Rear LH side of engine compartment		01-1
P91	REAR POWER DISTRIBUTION BOX	Below LH side of rear seat		
P92	AUXILIARY RELAY BOX	LH side of engine compartment		12-2
P93	E-BOX	Rear RH side of engine compartment		
R5	HEADREST POTENTIOMETER	In driver's seatback		26-2
R6	SEAT HEIGHT POTENTIOMETER	Underside of LH front seat		22-3
R7	SEATBACK POTENTIOMETER	Underside of LH front seat		22-3
R8	SEAT CUSHION REAR HEIGHT POTI	Underside of LH front seat		22-2
R9	SEAT CUSHION MOVEMENT POTI	Underside of LH front seat		22-2
R11	BLOWER RESISTORS	LH side of IHKR/F3 Plenum		19-2
R15	THIGH SUPPORT POTENTIOMETER	In lower LH front seatback		
R18	STEERING COLUMN ADJUST POTI	Underside of steering column		
R21	LEFT REAR QUARTER WINDOW SWITCH (DWA)	In lower LH rear door		
R22	RIGHT REAR QUARTER WINDOW SWITCH (DWA)	In lower RH rear door		
R6240	RESISTOR	Top center of engine		17-1
R6252	THROTTLE POSITION SENSOR	Top front of engine compartment		13-1
R6252	THROTTLE POSITION SENSOR	Near throttle body (525i/t)		35-1
R6253	AUXILIARY THROTTLE POSITION SENSOR	Top front of engine compartment		13-1
S2	IGNITION SWITCH	Top of steering column behind steering wheel		
S3	AUTOMATIC TRANSMISSION RANGE SWITCH	Front of gearshift selector		21-2

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
S4	HORN SWITCH	Top of steering column		
S5	WIPER/WASHER SWITCH	Top of steering column		
S6	ASC SWITCH	Center console		
S7	COMBINATION SWITCH	Top of steering column		
S8	LIGHT SWITCH	LH side of dash		
S9	LIGHT SWITCH	LH side of dash		
S10	FOG LIGHT SWITCH	LH side of dash		
S12	MEMORY MIRRORS CONTROL SWITCH	In upper LH front door		
S13	PASSENGER'S DOOR JAMB SWITCH	Ahead of RH rear door		28-1
S14	DRIVER'S DOOR JAMB SWITCH	Ahead of LH rear door		28-1
S15	REAR RIGHT DOOR JAMB SWITCH	Rear RH door pillar		28-1
S16	LEFT REAR DOOR JAMB SWITCH	LH rear door jamb		28-1
S17	MIRROR CONTROL SWITCH	In upper LH front door		
S18	HAZARD SWITCH	Center console below		
S20	RADIO ANTI-THEFT SWITCH (DWA)	Center of dash		
S22	BATTERY COVER SWITCH (DWA)	Below RH side of rear seat near battery		
S24	REAR SEAT SWITCH (DWA)	Below RH side of rear seat		
S27	INERTIA SWITCH	Below LH side of rear seat		27-1
S28	CRUISE CONTROL SWITCH	Top of steering column behind steering wheel		
S30	BRAKE LIGHT SWITCH	On brake pedal		18-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
S31	PARK BRAKE SWITCH	Below center of console		
S32	CLUTCH SWITCH	LH side of dash on clutch pedal support bracket	18-1	
S36	TEMPERATURE SWITCH	RH top of radiator	15-3	
S37	GLOVE BOX LIGHT SWITCH	LH side of glove box	21-1	
S38	SUNROOF SWITCH	Center of windshield header near rear view mirror	21-3	
S39	SUNROOF POSITION SWITCH	Center of windshield header near rear view mirror	21-3	
S40	FRONT CONSOLE WINDOW SWITCH ASSEMBLY	Center console		
S41	LEFT REAR WINDOW SWITCH	In upper LH rear door		
S42	RIGHT REAR WINDOW SWITCH	In upper RH rear door		
S43	DRIVER'S WINDOW LIMIT SWITCH	In upper LH front door		
S44	PASSENGER'S WINDOW LIMIT SWITCH	In upper RH front door		
S45	LEFT REAR WINDOW LIMIT SWITCH	In upper LH rear door	34-2	
S46	RIGHT REAR WINDOW LIMIT SWITCH	In upper RH rear door	34-3	
S47	DRIVER'S DOOR LOCK SWITCH	LH front door behind door panel		
S48	DRIVER'S DOOR HANDLE SWITCH	LH front door behind door panel		
S49	PASSENGER'S DOOR LOCK SWITCH	RH front door		
S50	DRIVER'S MEMORY SEAT ADJUSTMENT SWITCH	In rear of console		
S51	DRIVER'S SEAT, SEAT CONTROL SWITCH	In rear of console		
S52	DRIVER'S SEAT LUMBAR SWITCH	In rear of console		
S53	DRIVER'S SEAT, SEAT HEATER SWITCH	LH front seat		

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COMPONENT			PAGE – FIGURE 7100.0	8500.0
S54	PASSENGER'S SEAT, SEAT HEATER SWITCH	RH front seat		
S55	PASSENGER'S SEAT LUMBAR SUPPORT SWITCH	In rear of console		
S57	MEMORY SEAT MIRRORS SWITCH	In rear of console		
S58	DRIVER'S SEAT BELT SWITCH	In LH front seat belt buckle		
S59	PASSENGER'S SEAT BELT SWITCH	In RH front seat belt buckle		
S61	TRUNK LID SWITCH	Underside of trunk lid left		
S63	ENGINE COOLANT LEVEL SWITCH	Top center of engine ahead of oil fill cap		
S64	WASHER FLUID LEVEL SWITCH	Front RH side of engine compartment		
S75	BLOWER SWITCH	Center of dash middle of heater control panel		
S77	DRIVER'S MAKEUP MIRROR SWITCH	Above LH sun visor		
S78	PASSENGER'S MAKEUP MIRROR SWITCH	Under roof center panel		
S92	BACK UP LIGHT SWITCH (MANUAL TRANSMISSION)	Below center console		
S93	DRIVER'S THIGH SUPPORT SWITCH	LH front seat left		
S94	PASSENGER'S THIGH SUPPORT SWITCH	RH front seat		
S99	PASSENGER'S WINDOW MONITORING SWITCH (DWA)	RH front door		
S100	DRIVER'S WINDOW MONITORING SWITCH (DWA)	LH front door		
S101	RIGHT REAR WINDOW MONITORING SWITCH (DWA)	In lower RH rear door		

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COMPONENT			PAGE - FIGURE 7100.0 8500.0
S102	LEFT REAR WINDOW MONITORING SWITCH (DWA)	In lower LH rear door	
S147	REAR WINDOW OPENING SWITCH	On lift gate behind trim panel	
S167	LIFT GATE LOCK SWITCH	On lift gate behind trim panel	
S170	REAR WINDOW LIMIT SWITCH	On lift gate behind trim panel	
S171	LIFT GATE LIMIT SWITCH	On lift gate behind trim panel	
S172	LIFT GATE SWITCH	Right of lid lock assembly	
S176	REAR WIPER/WASHER FLUID LEVEL SWITCH	RH side of luggage compartment	31-3
S198	JET HEATER THERMOSWITCH	RH side of engine compartment	
S21w	ENGINE HOOD SWITCH	Back of LH side shock tower	11-2
S119z	STEERING COLUMN POSITION SWITCH	Below LH side of dash	
S134w	IHKR/F3 CONTROL PANEL	RH side of LH footwell	
S135w	IHKR/F3 SWITCHING UNIT	RH side of LH footwell	
S8503	PROGRAM SWITCH	Below center console	
S8507	KICK-DOWN SWITCH	Behind gas pedal (530i/t) (540i)	
S8514	TRANSMISSION CONTROL PROGRAM SELECTION SWITCH (EGS)	Below center of console front of gearshift selector	
S8522	SHIFT LOCK	Center console	
S8524	REVERSING LIGHT SWITCH	On RH side of transmission	07-1
T6151	CYL. 1 IGNITION COIL	On cylinder head right (530i/t) (540i)	06-3
T6151	CYL. 1 IGNITION COIL	RH side of engine (525i/t)	14-2

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
T6152	CYL. 2 IGNITION COIL	On cylinder head right (530i/t) (540i)	06-3	
T6152	CYL. 2 IGNITION COIL	RH side of engine (525i/t)	14-2	
T6153	CYL. 3 IGNITION COIL	On cylinder head right (530i/t) (540i)	06-3	
T6153	CYL. 3 IGNITION COIL	RH side of engine (525i/t)	14-2	
T6154	CYL. 4 IGNITION COIL	On cylinder head right (530i/t) (540i)	06-3	
T6154	CYL. 4 IGNITION COIL	RH side of engine (525i/t)	14-2	
T6155	CYL. 5 IGNITION COIL	RH side of engine (525i/t)	14-2	
T6155	CYL. 5 IGNITION COIL	On cylinder head left (530i/t) (540i)		
T6156	CYL. 6 IGNITION COIL	RH side of engine (525i/t)	14-2	
T6156	CYL. 6 IGNITION COIL	On cylinder head left (530i/t) (540i)		
T6157	CYL. 7 IGNITION COIL	On cylinder head left (530i/t) (540i)		
T6158	CYL. 8 IGNITION COIL	On cylinder head left (530i/t) (540i)		
U4	TELEPHONE HANDSET	Below center console		
V4	DAYTIME RUNNING LIGHTS CODING DIODE	Behind LH side of dash center of windshield header		
V5	DWA LED	Center of dash		
V6	UNCOUPLING DIODE	RH side of dash behind glove box		
X1	B+ JUNCTION POINT	Rear LH side of engine compartment	01-1	
X0	B+ JUNCTION POINT	Footwell, driver's side	01-3	
X2	BATTERY B+ START POINT	Rear LH side of engine compartment	01-1	
X3	B+ JUNCTION POINT	Rear LH side of engine compartment	01-1	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X11	CONNECTOR (35-PINS, NATURAL)	Rear RH side of engine compartment in E-Box		00-3
X12	CONNECTOR (35-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		00-2
X13	CONNECTOR (21-PINS, WHITE)	Behind LH footwell trim	19-1	01-3
X14	CONNECTOR (30-PINS, YELLOW)	Behind LH footwell trim	19-1	00-4
X15	CONNECTOR (30-PINS, WHITE)	LH footwell	18-3	00-4
X16	CONNECTOR (26-PINS, NATURAL)	Rear side of A2w instrument cluster	20-2	01-1
X17	CONNECTOR (6-PINS, BROWN)	Rear side of A2w instrument cluster	20-2	01-4
X18	CONNECTOR (26-PINS, BLUE)	Rear LH side of engine compartment in Front Power Distribution Box		01-1
X19	CONNECTOR (26-PINS, GREEN)	Rear LH side of engine compartment in Front Power Distribution Box		01-1
X20	CONNECTOR (25-PINS, BLACK)	Rear LH side of engine compartment	11-3	03-4
X22	CONNECTOR (26-PINS, BLUE)	Behind LH footwell speaker grille	33-2	01-1
X31	CONNECTOR (12-PINS, BLACK)	LH side of engine compartment	13-3	
X32	CONNECTOR (12-PINS, WHITE)	LH footwell	18-2	06-4
X33	CONNECTOR (12-PINS, BLACK)	LH footwell	18-2	06-4
X34	CONNECTOR (12-PINS, WHITE)	LH footwell	18-3	06-4
X35	CONNECTOR (21-PINS, BLACK)	LH footwell	18-3	01-3
X51	CONNECTOR (10-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		07-6
X52	CONNECTOR (9-PINS, BLACK)	In LH auxiliary relay box, engine compartment	12-3	02-3
X53	CONNECTOR (9-PINS, BLACK)	In LH auxiliary relay box, engine compartment	12-3	02-3
X55	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3

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COMPONENT			PAGE – FIGURE 7100.0	8500.0
X56 ...	CONNECTOR (10-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		07-6
X57 ...	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X58 ...	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X61 ...	CONNECTOR (9-PINS, BLACK)	In LH auxiliary relay box, engine compartment	12-3	02-3
X63 ...	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X64 ...	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X65 ...	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X70 ...	CONNECTOR (8-PINS, BLACK)	Front LH side of engine compartment (530i/t) (540i)	06-1	01-5
X70 ...	CONNECTOR (8-PINS, BLACK)	LH side of engine compartment ahead of LH side shock tower (525i/t)		01-5
X72 ...	CONNECTOR (8-PINS, WHITE)	LH footwell	18-2	06-1
X74 ...	CONNECTOR (30-PINS, ORANGE)	Below rear seat		07-2
X82 ...	CONNECTOR (3-PINS, BLACK)	Front of engine compartment behind front grille		04-5
X85 ...	CONNECTOR (3-PINS, BLACK)	LH side of engine compartment		04-5
X87 ...	CONNECTOR (3-PINS, BLACK)	Front RH side of engine compartment near windshield washer reservoir RH top of radiator	15-3	02-5
X91 ...	CONNECTOR (3-PINS, BLACK)	LEFT FRONT LIGHT ASSEMBLY, E9001		04-3
X92 ...	CONNECTOR (3-PINS, BLACK)	RIGHT FRONT LIGHT ASSEMBLY, E9000		04-3
X105 ..	CONNECTOR (2-PINS, GRAY)	*On underside of engine hood*		
X106 ..	CONNECTOR (2-PINS, GRAY)	On underside of engine hood		
X107 ..	CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment on washer fluid reservoir		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X109	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment on washer fluid reservoir		
X111	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment	13-3	
X112	CONNECTOR (2-PINS, BLACK)	Top center of engine ahead of oil fill cap (with EML)		
X113	CONNECTOR (2-PINS, NATURAL)	Near base of shock tower		
X114	CONNECTOR (2-PINS, BLACK)	LH side of engine compartment	13-3	
X116	CONNECTOR (4-PINS, BLACK)	On brake pedal (530i/t) (540i)	18-3	06-3
X118	CONNECTOR (2-PINS, BLACK)	Behind LH front wheel	09-1	
X121	CONNECTOR (2-PINS, WHITE)	LH side of dash on clutch pedal support bracket	17-2	
X122	CONNECTOR (2-PINS, BLACK)	Rear LH side of engine compartment	11-3	
X123	CONNECTOR (2-PINS, GRAY)	Front RH side of engine compartment near windshield washer reservoir		
X126	CONNECTOR (2-PINS, NATURAL)	Front RH side of engine compartment	16-2	
X127	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment	16-2	
X128	CONNECTOR (2-PINS, BLACK)	LEFT FRONT TURN LIGHT, H7		
X129	CONNECTOR (2-PINS, GRAY)	LEFT PARK LIGHT, E15		
X130	CONNECTOR (2-PINS, YELLOW)	LEFT LOW BEAM LIGHT, E13		
X131	CONNECTOR (2-PINS, WHITE)	LEFT HIGH BEAM LIGHT, E11		
X132	CONNECTOR (2-PINS, BLACK)	LEFT HORN, H2		
X133	CONNECTOR (2-PINS, BLACK)	RIGHT HORN, H3		
X134	CONNECTOR (2-PINS, WHITE)	RIGHT HIGH BEAM LIGHT, E12		
X135	CONNECTOR (2-PINS, YELLOW)	RIGHT LOW BEAM LIGHT, E14		

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COMPONENT			PAGE – FIGURE 7100.0	8500.0
X136 ..	CONNECTOR (2-PINS, GRAY)	RIGHT PARK LIGHT, E19		
X137 ..	CONNECTOR (2-PINS, BLACK)	RIGHT FRONT TURN LIGHT, H4		
X138 ..	CONNECTOR (2-PINS, BLACK)	HIGH LEVEL STOP LIGHT, H34		
X147 ..	CONNECTOR (2-PINS, BLACK)	REAR WIPER/WASHER FLUID LEVEL SWITCH, S176	31-3	
X159 ..	CONNECTOR (10-PINS, BLACK)	Driver's door DRIVER'S SIDE MEMORY MIRROR, Y9		09-1
X160 ..	CONNECTOR (10-PINS, BLACK)	PASSENGER'S SIDE MEMORY MIRROR, Y10passenger's door	25-3	09-1
X163 ..	CONNECTOR (3-PINS, BLACK)	Front RH side of engine compartment on A/C compressor	05-1	02-5
X165 ..	GROUND	LH footwell	02-1	
X166 ..	GROUND	Under RH front of car	04-1	
X167 ..	GROUND	Front LH side of engine compartment	03-2	
X168 ..	CONNECTOR (1-PINS, BLACK)	Underside of steering column		
X170 ..	GROUND	LH side of engine compartment	02-2	
X175 ..	GROUND	Front LH side of engine compartment	03-2	
X179 ..	GROUND	Under RH front of car	04-1	
X251 ..	CONNECTOR (30-PINS, BLACK)	LH footwell	18-3	11-1
X252 ..	CONNECTOR (26-PINS, GREEN)	Below LH side of rear seat	33-3	01-1
X253 ..	CONNECTOR (26-PINS, GREEN)	Below LH side of rear seat in Rear Power Distribution Box		01-1
X254 ..	CONNECTOR (26-PINS, WHITE)	Below LH side of rear seat in Rear Power Distribution Box		01-1
X255 ..	CONNECTOR (26-PINS, YELLOW)	Below LH side of rear seat in Rear Power Distribution Box		01-1
X256 ..	CONNECTOR (26-PINS, BLACK)	Ahead of RH front door	24-2	08-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X257	CONNECTOR (26-PINS, BLACK)	In lower LH front door ahead of LH front door	24-2	08-1
X258	CONNECTOR (20-PINS, WHITE)	Below LH side of rear seat		08-4
X259	CONNECTOR (20-PINS, BLACK)	Below LH side of rear seat front of battery		08-4
X271	CONNECTOR (12-PINS, GRAY)	Rear side of A2w instrument cluster	20-2	08-2
X272	CONNECTOR (12-PINS, BLACK)	Below LH side of rear seat in Rear Power Distribution Box		06-4
X273	CONNECTOR (12-PINS, BLACK)	Ahead of LH rear door in wire grommet	24-3	10-3
X274	CONNECTOR (12-PINS, BLACK)	Ahead of RH rear door in wire grommet	24-3	10-3
X275	CONNECTOR (12-PINS, WHITE)	Underside of LH front seat	24-1	02-1
X279	CONNECTOR (12-PINS, WHITE)	Under RH front seat		02-1
X292	CONNECTOR (9-PINS, WHITE)	Below LH side of rear seat in Rear Power Distribution Box		02-3
X293	CONNECTOR (9-PINS, WHITE)	Below LH side of rear seat in Rear Power Distribution Box		02-3
X294	CONNECTOR (9-PINS, WHITE)	Below LH side of rear seat in Rear Power Distribution Box		02-3
X295	CONNECTOR (8-PINS, BLACK)	LH footwell	18-2	06-1
X297	CONNECTOR (9-PINS, WHITE)	Below LH side of dash		02-3
X311	CONNECTOR (3-PINS, BLACK)	Underside of trunk lid	29-2	
X312	CONNECTOR (2-PINS, BLACK)	In RH side of luggage compartment		
X315	CONNECTOR (2-PINS, WHITE)	Underside of trunk lid	29-2	
X316	CONNECTOR (6-PINS, WHITE)	Center console		05-5
X317	CONNECTOR (6-PINS, BLACK)	Center console		05-4
X318	CONNECTOR (4-PINS, BLACK)	In LH rear side of luggage compartment RIGHT REAR LIGHT ASSEMBLY, E17		06-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X319	CONNECTOR (4-PINS, BLACK)	In LH rear side of luggage compartment LEFT REAR LIGHT ASSEMBLY, E16		06-3
X322	CONNECTOR (8-PINS, BLACK)	Below LH side of rear seat in Rear Power Distribution Box		11-2
X328	CONNECTOR (4-PINS, BLACK)	Underside of trunk lid	29-2	06-3
X328	CONNECTOR (4-PINS, BLACK)	In lift gate (touring)	29-3	06-3
X329	CONNECTOR (4-PINS, BLACK)	Underside of trunk lid LEFT TRUNK LIGHT ASSEMBLY, E46		06-3
X331	CONNECTOR (5-PINS, BLACK)	Below LH side of rear seat	33-3	02-4
X332	CONNECTOR (5-PINS, NATURAL)	Below LH side of rear seat in Rear Power Distribution Box		03-2
X333	CONNECTOR (4-PINS, BLACK)	Behind LH fresh air cowl	12-1	08-6
X335	CONNECTOR (4-PINS, BLACK)	Below LH side of rear seat	33-3	02-6
X336	CONNECTOR (4-PINS, WHITE)	Center of windshield header near rear view mirror	21-3	06-5
X337	CONNECTOR (4-PINS, BLACK)	Below LH side of rear seat	26-3	06-3
X342	CONNECTOR (4-PINS, NATURAL)	Behind glove box	34-1	06-3
X351	CONNECTOR (2-PINS, BLACK)	Ahead of RH rear door		
X352	CONNECTOR (2-PINS, BLACK)	Ahead of LH rear door		
X353	CONNECTOR (2-PINS, BLACK)	Front LH door pillar		
X354	CONNECTOR (2-PINS, BLACK)	LH rear door jamb		
X355	CONNECTOR (3-PINS, WHITE)	In upper RH C-pillar		05-2
X356	CONNECTOR (4-PINS, BLACK)	In lower RH C-pillar	28-3	11-6
X371	CONNECTOR (2-PINS, BLACK)	LH side of windshield header above LH visor		
X372	CONNECTOR (2-PINS, GRAY)	Rear RH side of engine compartment		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X374	CONNECTOR (2-PINS, BLACK)	Below RH side of rear seat in lower LH front door		
X375	CONNECTOR (2-PINS, BLACK)	Below RH side of rear seat	27-2	
X376	CONNECTOR (2-PINS, WHITE)	Below LH side of rear seat	27-1	
X377	CONNECTOR (2-PINS, WHITE)	Below RH side of rear seat	27-2	
X379	CONNECTOR (1-PINS, BLACK)	In upper LH C-pillar	28-3	
X380	CONNECTOR (1-PINS, BROWN)	In upper RH C-pillar	28-2	
X381	CONNECTOR (2-PINS, BLACK)	DRIVER'S MAKEUP MIRROR LIGHT, E35		
X382	CONNECTOR (2-PINS, BLACK)	PASSENGER'S MAKEUP MIRROR LIGHT, E36		
X383	CONNECTOR (2-PINS, YELLOW)	Under rear of car near differential	09-3	
X388	CONNECTOR (2-PINS, BLACK)	Below LH side of rear seat		
X400	CONNECTOR (8-PINS, BLACK)	In LH forward side of luggage compartment		11-2
X401	CONNECTOR (1-PINS, BLACK)	DRIVER'S MAKEUP MIRROR SWITCH, S77		
X402	CONNECTOR (1-PINS, BLACK)	PASSENGER'S MAKEUP MIRROR SWITCH, S78		
X411	CONNECTOR (2-PINS, (---))	Front of car LEFT REAR SIDE MARKER LIGHT, E70		
X416	CONNECTOR (1-PINS, BLACK)	Above LH sun visor		
X417	CONNECTOR (1-PINS, BLACK)	Under roof center panel		
X423	CONNECTOR (1-PINS, (---))	Below center of console		
X424	CONNECTOR (1-PINS, BROWN)	In upper LH C-pillar	28-3	
X490	GROUND	LH footwell	02-1	
X491	GROUND	LH footwell	02-1	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X492	GROUND	Below LH side of rear seat	04-3	
X493	GROUND	Below LH side of rear seat	04-3	
X495	GROUND	Underside of RH rear seat	04-2	
X496	GROUND	Underside of RH rear seat	04-2	
X501	CONNECTOR (26-PINS, GREEN)	Center of dash ON-BOARD COMPUTER, N4		01-1
X502	CONNECTOR (26-PINS, BLACK)	Rear side of A2w instrument cluster	20-2	01-1
X503	CONNECTOR (12-PINS, BLACK)	LH side of dash		05-6
X504	CONNECTOR (12-PINS, BLACK)	FOG LIGHT SWITCH, S10		05-6
X506	CONNECTOR (12-PINS, BLACK)	Front of gearshift selector	21-2	06-4
X509	CONNECTOR (9-PINS, WHITE)	Below LH side of dash near hood release lever		02-3
X510	CONNECTOR (9-PINS, WHITE)	Below LH side of dash near hood release lever		02-3
X511	CONNECTOR (8-PINS, BLACK)	Front of gearshift selector	21-2	03-1
X512	CONNECTOR (8-PINS, BLACK)	Behind glove box	34-1	03-1
X516	CONNECTOR (5-PINS, BLACK)	Center of console HAZARD SWITCH, S18		06-2
X517	CONNECTOR (4-PINS, BLACK)	DIMMER, N3		06-3
X518	CONNECTOR (4-PINS, BLACK)	LH footwell	17-2	06-3
X521	CONNECTOR (6-PINS, BLACK)	ASC SWITCH, S6		10-2
X522	CONNECTOR (3-PINS, WHITE)	LH footwell	17-2	05-2
X523	CONNECTOR (6-PINS, BLACK)	Behind LH side of dash center of windshield header		09-2
X526	CONNECTOR (8-PINS, BLACK)	LH footwell	17-2	06-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X531	CONNECTOR (2-PINS, WHITE)	FRONT CIGAR LIGHTER, E28		
X532	CONNECTOR (2-PINS, NATURAL)	FRONT CIGAR LIGHTER LIGHT, E29		
X537	CONNECTOR (1-PINS, NATURAL)	In upper LH front door		
X538	CONNECTOR (1-PINS, NATURAL)	In upper RH front door		
X539	CONNECTOR (2-PINS, BLACK)	Center of dash		
X540	CONNECTOR (2-PINS, BLACK)	GLOVE BOX LIGHT SWITCH, S37		
X541	CONNECTOR (1-PINS, NATURAL)	GLOVE BOX LIGHT, E42		
X542	CONNECTOR (2-PINS, BLACK)	Under RH front seat		
X546	CONNECTOR (2-PINS, WHITE)	Below center of console LH side of gearshift selector		
X547	CONNECTOR (2-PINS, BLACK)	Behind center of dashboard RADIO, N9		
X603	CONNECTOR (12-PINS, BLACK)	DRIVER'S SEAT, SEAT CONTROL SWITCH, S51		06-6
X604	CONNECTOR (12-PINS, BLACK)	PASSENGER'S SEAT, SEAT CONTROL SWITCH, S56		06-6
X605	CONNECTOR (12-PINS, BLACK)	In LH rear side of luggage compartment	30-1	02-1
X605	CONNECTOR (12-PINS, BLACK)	In LH rear side of luggage compartment	30-2	02-1
X606	CONNECTOR (12-PINS, WHITE)	In LH rear side of luggage compartment	30-1	02-1
X606	CONNECTOR (12-PINS, WHITE)	In LH rear side of luggage compartment	30-2	02-1
X607	CONNECTOR (20-PINS, WHITE)	RH side of RH footwell behind RH footwell kickpanel		08-4
X621	CONNECTOR (10-PINS, BLACK)	Ahead of RH front door	24-2	09-1
X622	CONNECTOR (10-PINS, BLACK)	Ahead of LH front door	24-2	09-1
X623	CONNECTOR (4-PINS, BLACK)	Driver's door	25-2	11-6

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X624 ..	CONNECTOR (4-PINS, BLACK)	Passenger's door PASSENGER'S SIDE MIRROR, Y6	25-3	11-6
X625 ..	CONNECTOR (6-PINS, BLACK)	Driver's door MEMORY MIRRORS CONTROL SWITCH, S12	25-2	05-3
X626 ..	CONNECTOR (8-PINS, BLACK)	Underside of LH front seat	22-2	11-2
X627 ..	CONNECTOR (8-PINS, BLACK)	Center of windshield header near rear view mirror	21-3	03-1
X632 ..	CONNECTOR (9-PINS, BLACK)	Below LH side of rear seat in Rear Power Distribution Box		02-3
X638 ..	CONNECTOR (6-PINS, BLACK)	In RH side of luggage compartment	31-2	09-4
X641 ..	CONNECTOR (6-PINS, BLACK)	Passenger's door	26-1	09-4
X642 ..	CONNECTOR (8-PINS, BLACK)	Below RH side of rear seat		04-4
X643 ..	CONNECTOR (6-PINS, BLUE)	SUNROOF SWITCH, S38		08-3
X644 ..	CONNECTOR (6-PINS, WHITE)	In lower LH rear door		09-4
X645 ..	CONNECTOR (6-PINS, BLACK)	LEFT REAR WINDOW SWITCH, S41	34-2	07-3
X646 ..	CONNECTOR (6-PINS, WHITE)	In lower RH rear door		09-4
X647 ..	CONNECTOR (6-PINS, BLACK)	RIGHT REAR WINDOW SWITCH, S42	34-3	07-3
X650 ..	CONNECTOR (6-PINS, BLACK)	MEMORY SEAT MIRRORS SWITCH, S57		07-3
X651 ..	CONNECTOR (6-PINS, BLACK)	DRIVER'S SEAT, SEAT HEATER SWITCH, S53		07-3
X652 ..	CONNECTOR (6-PINS, BLUE)	DRIVER'S SEAT LUMBAR SWITCH, S52		08-3
X658 ..	CONNECTOR (6-PINS, BLACK)	PASSENGER'S SEAT, SEAT HEATER SWITCH, S54		07-3
X659 ..	CONNECTOR (6-PINS, BLACK)	Under RH front seat		07-3
X660 ..	CONNECTOR (6-PINS, BLACK)	Driver's door	25-1	09-4
X673 ..	CONNECTOR (2-PINS, BLACK)	Below LH side of rear seat		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X674	CONNECTOR (2-PINS, BLACK)	Below RH side of rear seat		
X680	CONNECTOR (3-PINS, BLACK)	Underside of LH front seat	22-3	05-2
X685	CONNECTOR (3-PINS, BLACK)	In upper LH front door near door handle		02-5
X686	CONNECTOR (3-PINS, BLUE)	In lower LH front seatback		07-1
X687	CONNECTOR (3-PINS, BLUE)	In lower LH front seatback		07-1
X688	CONNECTOR (3-PINS, BLUE)	In lower LH front seatback		07-1
X689	CONNECTOR (3-PINS, BLUE)	In lower LH front seatback		07-1
X690	CONNECTOR (3-PINS, BLUE)	In lower LH front seatback		07-1
X692	CONNECTOR (3-PINS, BLACK)	Center of dash (radio removed)		03-3
X696	CONNECTOR (3-PINS, BLACK)	Under RH rear of car RH side of differential		07-5
X700	CONNECTOR (1-PINS, (---))	Behind RH footwell speaker grille		
X701	CONNECTOR (1-PINS, (---))	Behind LH footwell speaker grille		
X705	CONNECTOR (2-PINS, BLACK)	Near RH rear wheel well	09-2	
X709	CONNECTOR (2-PINS, BLACK)	LEFT LICENSE PLATE LIGHT, E43		
X710	CONNECTOR (2-PINS, BLACK)	RIGHT LICENSE PLATE LIGHT, E44		
X711	CONNECTOR (2-PINS, BLACK)	Underside of trunk lid left		
X714	CONNECTOR (2-PINS, GRAY)	In lower LH rear door	34-2	
X715	CONNECTOR (2-PINS, BLACK)	In upper LH rear door	34-2	
X720	CONNECTOR (2-PINS, GRAY)	In lower RH rear door	34-3	
X721	CONNECTOR (1-PINS, (---))	In upper RH rear door	34-3	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	PAGE – FIGURE 8500.0
X726	CONNECTOR (2-PINS, BLACK)	Underside of LH front seat		24-1
X727	CONNECTOR (2-PINS, WHITE)	Underside of LH front seat		23-1
X728	CONNECTOR (2-PINS, WHITE)	Underside of LH front seat		24-1
X729	CONNECTOR (2-PINS, BLACK)	Underside of LH front seat		24-1
X730	CONNECTOR (2-PINS, (---))	In upper LH front seatback		
X731	CONNECTOR (2-PINS, WHITE)	In upper LH front seatback		
X732	CONNECTOR (2-PINS, WHITE)	In upper LH front seatback		
X733	CONNECTOR (2-PINS, BLACK)	In lower LH front seatback		
X734	CONNECTOR (2-PINS, BLACK)	Under RH front seat		
X735	CONNECTOR (2-PINS, WHITE)	Underside of LH front seat		23-1
X736	CONNECTOR (2-PINS, BLACK)	Under RH front seat		
X737	CONNECTOR (2-PINS, WHITE)	Under RH front seat		
X738	CONNECTOR (2-PINS, (---))	In upper RH front seatback		
X739	CONNECTOR (2-PINS, YELLOW)	Under RH front seat		
X740	CONNECTOR (2-PINS, WHITE)	Underside of LH front seat		23-3
X741	CONNECTOR (2-PINS, WHITE)	In upper RH front seatback		
X742	CONNECTOR (2-PINS, YELLOW)	Passenger's door		25-3
X743	CONNECTOR (2-PINS, BLACK)	Passenger's door		26-1
X744	CONNECTOR (2-PINS, GRAY)	Passenger's door		25-3
X746	CONNECTOR (1-PINS, (---))	In upper RH front door		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X747	CONNECTOR (2-PINS, YELLOW)	Driver's door	25-1	
X749	CONNECTOR (2-PINS, GRAY)	Driver's door	25-2	
X750	CONNECTOR (1-PINS, (---))	Driver's door	25-2	
X751	CONNECTOR (2-PINS, WHITE)	Driver's door	25-1	
X752	CONNECTOR (2-PINS, GRAY)	Driver's door	25-1	
X753	CONNECTOR (1-PINS, (---))	In upper LH front door		
X760	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X761	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X762	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X763	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X764	CONNECTOR (2-PINS, WHITE)	In RH side of luggage compartment		
X765	CONNECTOR (2-PINS, WHITE)	In RH side of luggage compartment		
X766	CONNECTOR (2-PINS, (---))	Near LH headlight assembly LEFT FRONT MARKER LIGHT, E21		
X767	CONNECTOR (2-PINS, GRAY)	Near RH headlight assembly RIGHT FRONT MARKER LIGHT, E22		
X768	CONNECTOR (2-PINS, WHITE)	LEFT FOG LIGHT, E26		
X770	CONNECTOR (2-PINS, WHITE)	Under LH front bumper	10-2	
X771	CONNECTOR (2-PINS, BLACK)	Below LH side of dash		
X772	CONNECTOR (2-PINS, WHITE)	RH side of LH footwell		
X773	CONNECTOR (2-PINS, WHITE)	RH side of dash		
X774	CONNECTOR (1-PINS, GRAY)	Near LH headlight assembly		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X778	CONNECTOR (2-PINS, BLACK)	Underside of LH front seat	23-1	
X779	CHARGING SOCKET	LH side of glove box	21-1	
X782	CONNECTOR (3-PINS, ORANGE)	PASSENGER'S AIR BAG GAS GENERATOR I, G6		12-3
X786	CONNECTOR (2-PINS, BLACK)	UNDERHOOD LIGHT, E20		
X800	CONNECTOR (2-PINS, NATURAL)	Behind LH footwell trim		
X802	CONNECTOR (2-PINS, BLACK)	Front LH side of engine compartment JET HEATER THERMOSWITCH, S198		
X814	GROUND	RH front of wheel well		
X816	CONNECTOR (1-PINS, BLACK)	Between front footwells		
X817	CONNECTOR (1-PINS, BLACK)	Between front footwells		
X818	GROUND	LH footwell	02-1	
X862	GROUND	Underside of LH front seat		
X880	CONNECTOR (6-PINS, WHITE)	DRIVER'S THIGH SUPPORT SWITCH, S93		07-4
X881	CONNECTOR (6-PINS, WHITE)	PASSENGER'S THIGH SUPPORT SWITCH, S94		07-4
X882	CONNECTOR (2-PINS, BLACK)	Underside of LH front seat	24-1	
X883	CONNECTOR (2-PINS, BLACK)	Under RH front seat		
X884	CONNECTOR (3-PINS, BLUE)	In upper RH front seatback		07-1
X885	CONNECTOR (3-PINS, BLACK)	Underside of LH front seat		09-5
X890	CONNECTOR (2-PINS, BLACK)	Behind LH front fog light (530i/t) (540i)		
X904	CONNECTOR (4-PINS, BLACK)	LH side of RH footwell		06-3
X905	CONNECTOR (5-PINS, BLACK)	Center of dash middle of heater control panel		09-3

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X912	CONNECTOR (2-PINS, (---))	LEFT REAR WINDOW MONITORING SWITCH (DWA), S102		
X998	CONNECTOR (4-PINS, BLACK)	Below LH side of dash		06-5
X999	CONNECTOR (4-PINS, BLACK)	Below LH side of dash		06-3
X1021	CONNECTOR (9-PINS, BLACK)	Rear LH side of engine compartment in Front Power Distribution Box		02-3
X1098	CONNECTOR (12-PINS, BLACK)	Front of engine compartment		05-6
X1124	CONNECTOR (2-PINS, BLACK)	Front RH side of engine compartment	32-2	
X1127	CONNECTOR (1-PINS, (---))	Center console		
X1132	CONNECTOR (1-PINS, WHITE)	LH footwell	18-3	
X1160	GROUND	LH footwell	02-1	
X1171	CONNECTOR (88-PINS, NATURAL)	Rear RH side of engine compartment in E-Box		00-1
X1176	CONNECTOR (15-PINS, NATURAL)	LH side of engine compartment		12-3
X1191	CONNECTOR (4-PINS, BLACK)	Rear of luggage compartment below brake fluid reservoir behind trim panel		06-3
X1193	CONNECTOR (1-PINS, BLACK)	Center console		
X1221	CONNECTOR (26-PINS, GREEN)	Below LH side of rear seat in Rear Power Distribution Box	33-3	10-4
X1222	CONNECTOR (6-PINS, WHITE)	In LH forward side of luggage compartment	33-1	04-1
X1250	CONNECTOR (10-PINS, BLACK)	RH side of luggage compartment behind side panel	30-3	07-6
X1251	CONNECTOR (2-PINS, BLACK)	In lift gate behind trim panel	29-3	
X1252	CONNECTOR (2-PINS, BLACK)	In lift gate behind trim panel	29-3	
X1253	CONNECTOR (2-PINS, BLACK)	Rear of luggage compartment on lift gate behind trim panel		
X1254	CONNECTOR (2-PINS, BLACK)	Rear of luggage compartment on lift gate behind trim panel		

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COMPONENT LOCATION CHART

COMPONENT		PAGE – FIGURE 7100.0	8500.0
X1255 . CONNECTOR (2-PINS, NATURAL)	In E-Box	15-2	
X1374 . CONNECTOR (1-PINS, NATURAL)	GLOVE BOX LIGHT, E42		
X1404 . CONNECTOR (3-PINS, YELLOW)	TELEPHONE INTERFACE US, A192		
X1427 . CONNECTOR (1-PINS, NATURAL)	DASH LIGHT, E41		
X1441 . GROUND	Below LH side of rear seat		
X1851 . CONNECTOR (1-PINS, BLACK)	At back of rear window shelf		
X1852 . CONNECTOR (1-PINS, WHITE)	At back of rear window shelf		
X6000 . CONNECTOR (88-PINS, BLACK)	In E-Box (530i/t) (540i)		12-1
X6002 . CONNECTOR (20-PINS, BLACK)	Near E-Box left (530i/t) (540i)	05-2	04-6
X6003 . CONNECTOR (8-PINS, BLACK)	In E-Box		03-1
X6007 . CONNECTOR (35-PINS, BLACK)	Behind RH footwell speaker grille	35-2	00-3
X6030 . CONNECTOR (18-PINS, BLACK)	In E-Box (530i/t) (540i)	15-2	01-2
X6053 . CONNECTOR (12-PINS, BLACK)	RH side of dash behind glove box		02-1
X6101 . CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		
X6101 . CONNECTOR (2-PINS, BLACK)	RH cylinder head (530i/t) (540i)		
X6102 . CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		
X6102 . CONNECTOR (2-PINS, BLACK)	RH cylinder head (530i/t) (540i)		
X6103 . CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		
X6103 . CONNECTOR (2-PINS, BLACK)	RH cylinder head (530i/t) (540i)		
X6104 . CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X6104	CONNECTOR (2-PINS, BLACK)	RH cylinder head (530i/t) (540i)		
X6105	CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		
X6105	CONNECTOR (2-PINS, BLACK)	LH cylinder head (530i/t) (540i)		
X6106	CONNECTOR (2-PINS, BLACK)	Cylinder head (525i/t)		
X6106	CONNECTOR (2-PINS, BLACK)	LH cylinder head (530i/t) (540i)		
X6107	CONNECTOR (2-PINS, BLACK)	LH cylinder head (530i/t) (540i)		
X6108	CONNECTOR (2-PINS, BLACK)	LH cylinder head (530i/t) (540i)		
X6120	CONNECTOR (2-PINS, BLACK)	LH side of engine		
X6130	CONNECTOR (3-PINS, GRAY)	Front of engine		03-5
X6151	CONNECTOR (3-PINS, BLACK)	RH cylinder head (530i/t) (540i)		08-5
X6151	CONNECTOR (3-PINS, GRAY)	RH side of engine (525i/t)		08-5
X6152	CONNECTOR (3-PINS, BLACK)	RH cylinder head (530i/t) (540i)		08-5
X6152	CONNECTOR (3-PINS, GRAY)	RH side of engine (525i/t)		08-5
X6153	CONNECTOR (3-PINS, BLACK)	RH cylinder head (530i/t) (540i)		08-5
X6153	CONNECTOR (3-PINS, GRAY)	RH side of engine (525i/t)		08-5
X6154	CONNECTOR (3-PINS, BLACK)	RH cylinder head (530i/t) (540i)		08-5
X6154	CONNECTOR (3-PINS, GRAY)	LH side of engine (525i/t)		08-5
X6155	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)		08-5
X6155	CONNECTOR (3-PINS, GRAY)	LH side of engine (525i/t)		08-5
X6156	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)		08-5

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X6156	CONNECTOR (3-PINS, GRAY)	LH side of engine (525i/t)		08-5
X6157	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)		08-5
X6158	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)		08-5
X6163	CONNECTOR (2-PINS, BLACK)	Front of engine compartment	32-3	
X6200	CONNECTOR (4-PINS, BLACK)	LH side of engine		11-5
X6203	CONNECTOR (3-PINS, BLACK)	RH front of engine below	06-3	03-5
X6204	CONNECTOR (3-PINS, BLACK)	LH side of engine (530i/t) (540i)		03-5
X6205	CONNECTOR (2-PINS, BLACK)	Front of engine on coolant inlet		
X6206	CONNECTOR (7-PINS, BLACK)	Front LH side of engine compartment ahead of LH side shock tower		11-4
X6208	CONNECTOR (2-PINS, BLACK)	Front of engine CAMSHAFT ACTUATOR, B6208		
X6209	CONNECTOR (3-PINS, BLACK)	Front of engine HALL EFFECT CAMSHAFT SENSOR, B6209		
X6210	CONNECTOR (4-PINS, BLACK)	Under transmission (530i/t) (540i)	07-2	03-6
X6215	CONNECTOR (2-PINS, BLACK)	Top front of engine compartment (530i/t) (540i)		
X6217	CONNECTOR (4-PINS, GRAY)	Top front of engine		09-6
X6220	CONNECTOR (4-PINS, BLACK)	Under transmission (530i/t) (540i)	07-2	03-6
X6230	CONNECTOR (3-PINS, BLACK)	LH side of engine		03-5
X6231	CONNECTOR (2-PINS, BLACK)	Front of engine compartment below intake manifold (525i/t)		
X6231	CONNECTOR (2-PINS, BLACK)	Lower LH front of engine (530i/t) (540i)		
X6232	CONNECTOR (2-PINS, BLACK)	Front of engine on coolant inlet		
X6235	CONNECTOR (2-PINS, BLACK)	Rear RH side of engine compartment in E-Box		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X6236	CONNECTOR (2-PINS, BLACK)	Top rear of engine on coolant inlet		
X6241	CONNECTOR (3-PINS, BLACK)	On cylinder head right (530i/t) (540i)	06-2	03-5
X6241	CONNECTOR (2-PINS, BLACK)	Top front of engine (525i/t)		
X6242	CONNECTOR (3-PINS, BLACK)	On cylinder head right (530i/t) (540i)	06-2	03-5
X6242	CONNECTOR (2-PINS, BLACK)	Top front of engine (525i/t)		
X6243	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)	08-2	03-5
X6244	CONNECTOR (3-PINS, BLACK)	LH cylinder head (530i/t) (540i)	08-2	03-5
X6252	CONNECTOR (3-PINS, BLACK)	Near throttle body (525i/t)	35-1	03-5
X6252	CONNECTOR (3-PINS, BLACK)	Top front of engine compartment (530i/t) (540i)		03-5
X6253	CONNECTOR (3-PINS, BLACK)	Top front of engine compartment (530i/t) (540i)		03-5
X6300	CONNECTOR (9-PINS, BLACK)	Rear RH side of engine compartment in E-Box		02-3
X6301	CONNECTOR (9-PINS, BLACK)	Rear RH side of engine compartment in E-Box		02-3
X6302	CONNECTOR (9-PINS, BLACK)	Rear RH side of engine compartment in E-Box		02-3
X6303	CONNECTOR (9-PINS, BLACK)	In E-Box (530i/t) (540i)		02-3
X6304	CONNECTOR (9-PINS, BLACK)	In E-Box (530i/t)		02-3
X6400	B+ JUNCTION POINT	In E-Box	01-2	
X6452	GROUND	Near E-Box left (530i/t) (540i)	03-3	
X6453	GROUND	Near E-Box left (530i/t) (540i)	03-3	
X6454	GROUND	Rear RH side of engine compartment (525i/t)	03-1	
X6455	GROUND	Rear RH side of engine compartment (525i/t)	03-1	

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X6456	GROUND	Front of engine (525i/t)	02-3	
X6506	CONNECTOR (4-PINS, BLACK)	In E-Box	15-2	06-3
X6509	CONNECTOR (1-PINS, (---))	GENERATOR, G6509		
X6510	CABLE SOCKET STARTER TERMINAL 50	LH side of engine compartment below intake manifold		
X6511	CABLE SOCKET ALTERNATOR TERMINAL 30h	Below intake manifold		
X6512	CABLE SOCKET STARTER TERMINAL 30h	LH side of engine		
X7509	CONNECTOR (1-PINS, (---))	GENERATOR, G6509		
X8500	CONNECTOR (55-PINS, BLACK)	Behind RH footwell kickpanel (525i/t)		00-1
X8503	CONNECTOR (6-PINS, BLUE)	Below center console		08-3
X8505	CONNECTOR (16-PINS, BLACK)	Under transmission (530i/t) (540i)	07-3	
X8505	CONNECTOR (9-PINS, BLACK)	On LH side of transmission (525i/t)		
X8507	CONNECTOR (1-PINS, BLACK)	Rear RH side of engine compartment		
X8508	GROUND	Underside of RH rear seat	04-2	
X8516	CONNECTOR (2-PINS, BLACK)	Under center of car		
X8522	CONNECTOR (2-PINS, WHITE)	Center console (530i/t) (540i)		
X8524	CONNECTOR (2-PINS, BLACK)	On RH side of transmission REVERSING LIGHT SWITCH, S8524		
X8600	CONNECTOR (88-PINS, BLACK)	In E-Box (530i/t) (540i)		12-1
X10068	CONNECTOR (2-PINS, GRAY)	LEFT FOG LIGHT, E26		
X10069	CONNECTOR (2-PINS, GRAY)	RIGHT FOG LIGHT, E27		
X10070	CONNECTOR (2-PINS, BLACK)	LEFT LOW BEAM LIGHT, E13		

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X10071	CONNECTOR (2-PINS, BLACK)	LEFT HIGH BEAM LIGHT, E11		
X10074	CONNECTOR (2-PINS, BLACK)	RIGHT HIGH BEAM LIGHT, E12		
X10075	CONNECTOR (2-PINS, GRAY)	RIGHT LOW BEAM LIGHT, E14		
X10094	CONNECTOR (2-PINS, BLACK)	Front LH side of engine compartment (530i/t) (540i)	06-1	
X10094	CONNECTOR (2-PINS, BLACK)	Near throttle body (525i/t)	35-1	
X10104	CONNECTOR (18-PINS, BLACK)	In E-Box	15-2	05-1
X10105	CONNECTOR (4-PINS, WHITE)	In E-Box	15-2	06-5
X10195	CONNECTOR (3-PINS, BLACK)	DRIVER'S AIR BAG GAS GENERATOR, G5		12-2
X10218	CONNECTOR (4-PINS, (---))	RH front seat		
X10238	CONNECTOR (2-PINS, BLACK)	Near throttle body (525i/t)	35-1	
X13025	CONNECTOR (12-PINS, BLACK)	Below RH side of rear seat	27-2	
X13057	CONNECTOR (3-PINS, BLACK)	Rear of luggage compartment on lift gate behind trim panel		05-2
X13058	CONNECTOR (2-PINS, GREEN)	RH side of luggage compartment behind side panel	31-3	
X13059	CONNECTOR (3-PINS, BLACK)	On lift gate behind trim panel		05-2
X13085	CONNECTOR (10-PINS, BLACK)	In roof panel	29-1	09-1
X13086	CONNECTOR (18-PINS, BLACK)	In roof panel	29-1	11-3
X13105	CONNECTOR (3-PINS, BLACK)	LH footwell	18-2	03-3
X13106	CONNECTOR (6-PINS, BLACK)	RH side of luggage compartment behind side panel	30-3	10-1
X13107	CONNECTOR (2-PINS, WHITE)	In lift gate	29-3	
X13119	CONNECTOR (12-PINS, WHITE)	Below LH side of dash		06-4

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0	8500.0
X13120	CONNECTOR (1-PINS, BLACK)	In LH rear side of luggage compartment behind trim panel		
X13139	CONNECTOR (10-PINS, BLACK)	Center of windshield header		09-1
X18025	CONNECTOR (10-PINS, BLACK)	Rear LH side of engine compartment		09-1
X18047	CONNECTOR (2-PINS, (---))	In lower RH rear door		
X18049	CONNECTOR (2-PINS, YELLOW)	In lower LH rear door		
X18050	CONNECTOR (2-PINS, BLACK)	RH front door		
X18052	CONNECTOR (2-PINS, BLACK)	In upper RH rear door		
X18058	CONNECTOR (3-PINS, (---))	RH front seat		
X18080	CONNECTOR (1-PINS, NATURAL)	TRUNK LID LIGHT, E33		
X18084	CONNECTOR (2-PINS, BLACK)	Driver's door	25-1	
X18093	CONNECTOR (3-PINS, WHITE)	STEERING COLUMN POSITION SWITCH, S119z		03-3
X18095	CONNECTOR (3-PINS, BLACK)	Underside of steering column		
X18097	CONNECTOR (2-PINS, BLACK)	Bottom of steering column	17-3	
X18126	CONNECTOR (17-PINS, BLACK)	Behind radio	20-3	04-2
X18151	CONNECTOR (10-PINS, BLACK)	IHKR/F3 SWITCHING UNIT, S135w		09-1
X18153	CONNECTOR (3-PINS, BLACK)	LH footwell near gearshift lever	18-2	05-2
X18154	CONNECTOR (18-PINS, BLACK)	IHKR/F3 CONTROL PANEL, S134w		11-3
X18155	CONNECTOR (26-PINS, WHITE)	LH side of RH footwell	19-3	10-4
X18156	CONNECTOR (26-PINS, BLUE)	LH side of RH footwell	19-3	10-4
X18157	CONNECTOR (26-PINS, BLUE)	LH side of RH footwell	19-3	10-4

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COMPONENT LOCATION CHART

COMPONENT			PAGE 7100.0	FIGURE 8500.0
X18181	CONNECTOR (6-PINS, BLACK)	Underside of LH front seat		07-3
X18184	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X18185	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X18186	CONNECTOR (1-PINS, NATURAL)	In upper LH front door		
X18186	CONNECTOR (1-PINS, NATURAL)	In upper LH front door		
X18187	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X18187	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X18188	CONNECTOR (1-PINS, (---))	LH A-pillar behind trim panel		
X18189	CONNECTOR (1-PINS, (---))	Under rear window shelf		
X18190	CONNECTOR (1-PINS, NATURAL)	In upper LH front door		
X18191	CONNECTOR (1-PINS, (---))	Behind RH footwell speaker grille		
X18192	CONNECTOR (1-PINS, WHITE)	In upper RH front door		
X18193	CONNECTOR (1-PINS, (---))	In upper RH front door		
X18205	CONNECTOR (2-PINS, WHITE)	Front of gearshift selector	21-2	
X18244	CONNECTOR (8-PINS, BLACK)	In roof panel		03-1
X18245	CONNECTOR (8-PINS, BLACK)	In roof panel	29-1	03-1
X18259	CONNECTOR (10-PINS, BLACK)	Below LH side of dash		07-6
X18260	CONNECTOR (12-PINS, BLACK)	Bottom of steering column		02-1
X18319	CONNECTOR (18-PINS, BLACK)	Underside of LH front seat	22-1	01-2
X18320	CONNECTOR (26-PINS, NATURAL)	Underside of LH front seat	22-1	01-1

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COMPONENT LOCATION CHART

COMPONENT			PAGE - FIGURE 7100.0	8500.0
X18321	CONNECTOR (10-PINS, BLACK)	Underside of LH front seat	22-1	10-5
X18322	CONNECTOR (26-PINS, BLACK)	Underside of LH front seat	22-1	01-1
X18323	CONNECTOR (4-PINS, BLACK)	Underside of LH front seat	22-1	02-6
X18500	CONNECTOR (25-PINS, BLACK)	TELEPHONE TRANSCEIVER, H38		02-2
X18501	CONNECTOR (3-PINS, YELLOW)	Below center console TELEPHONE INTERFACE US, A192		05-1
X18503	CONNECTOR (2-PINS, (---))	TELEPHONE INTERFACE US, A192		
X18506	CONNECTOR (2-PINS, (---))	Behind center of dashboard		
X18507	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard		01-6
X18508	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard		01-6
X18509	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard		01-6
X18729	CONNECTOR (3-PINS, WHITE)	In LH forward side of luggage compartment	30-1	05-2
X18729	CONNECTOR (3-PINS, WHITE)	In LH forward side of luggage compartment	30-2	05-2
X18741	CONNECTOR (4-PINS, BLACK)	Behind center of dashboard		01-6
X18766	CONNECTOR (9-PINS, BLACK)	RH A-pillar behind LH footwell speaker grille		02-3
X18767	CONNECTOR (9-PINS, BLACK)	LH A-pillar behind LH footwell speaker grille		02-3
Y1	ABS HYDRAULIC UNIT	LH side of engine compartment	13-3	
Y2	AIR CONDITIONING COMPRESSOR	Lower RH side of engine compartment		
Y4	WATER VALVE ASSEMBLY	Rear LH side of engine compartment	11-3	
Y5	DRIVER'S SIDE MIRROR	In upper LH front door		
Y6	PASSENGER'S SIDE MIRROR	In upper RH front door		

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COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
Y7	PARK HEATING METERING PUMP	Under rear of car behind RH rear wheel	
Y9	DRIVER'S SIDE MEMORY MIRROR	In upper LH front door	
Y10	PASSENGER'S SIDE MEMORY MIRROR	In upper RH front door	
Y16	PRESSURE SENSOR/PLUNGER	Rear LH side of engine compartment	
Y6101	CYL. 1 FUEL INJECTION VALVE	RH cylinder head (530i/t) (540i)	08-3
Y6101	CYL. 1 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6102	CYL. 2 FUEL INJECTION VALVE	RH cylinder head (530i/t) (540i)	06-2
Y6102	CYL. 2 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6103	CYL. 3 FUEL INJECTION VALVE	RH cylinder head (530i/t) (540i)	06-2
Y6103	CYL. 3 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6104	CYL. 4 FUEL INJECTION VALVE	RH cylinder head (530i/t) (540i)	06-2
Y6104	CYL. 4 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6105	CYL. 5 FUEL INJECTION VALVE	LH cylinder head (530i/t) (540i)	08-2
Y6105	CYL. 5 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6106	CYL. 6 FUEL INJECTION VALVE	LH cylinder head (530i/t) (540i)	08-2
Y6106	CYL. 6 FUEL INJECTION VALVE	On engine bulkhead (525i/t)	14-3
Y6107	CYL. 7 FUEL INJECTION VALVE	LH cylinder head (530i/t) (540i)	
Y6108	CYL. 8 FUEL INJECTION VALVE	LH cylinder head (530i/t) (540i)	
Y6120	EVAPORATIVE EMISSION VALVE	LH side of engine compartment LH side of engine (525i/t)	
Y6130	IDLE SPEED CONTROL VALVE	Top front of engine compartment (530i/t) (540i)	08-1

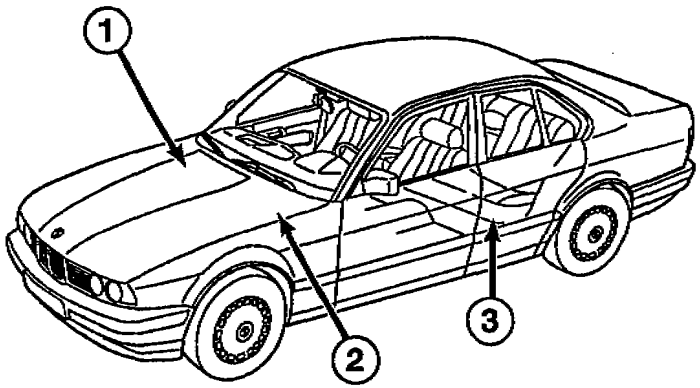
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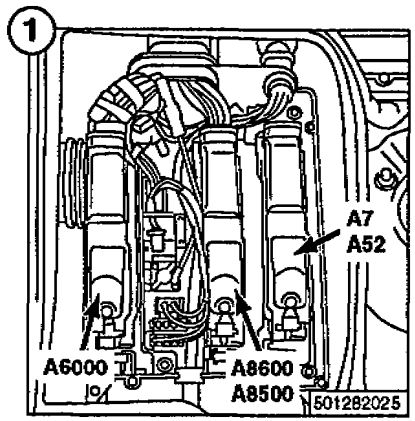
COMPONENT LOCATION CHART

COMPONENT			PAGE – FIGURE 7100.0 8500.0
Y6130	IDLE SPEED CONTROL VALVE	Front of engine (525i/t)	13-2
Y6130	IDLE SPEED CONTROL VALVE	Top front of engine on throttle body	
Y6208	CAMSHAFT ACTUATOR	Top front of engine	
Y8516	ELECTRONIC TRANSMISSION ENGINE SPEED SENSOR (EGS)	Under center of car	
Y8522	SHIFT LOCK	Center console (530i/t) (540i)	
Y8505w	TRANSMISSION VALVE UNIT	In transmission (530i/t) (540i)	
Y8505y	TRANSMISSION VALVE UNIT	In transmission (525i/t)	

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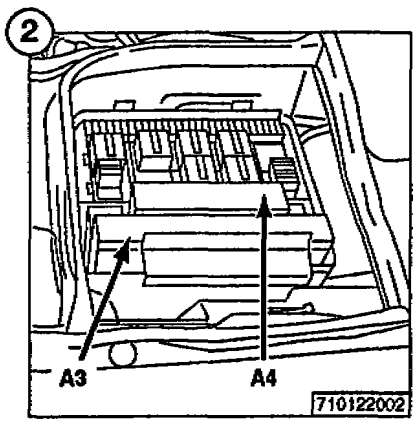
A7
SLIP CONTROL MODULE (ABS)

A52
SLIP CONTROL MODULE (ABS/ASC)

A6000
ENGINE CONTROL MODULE (DME)

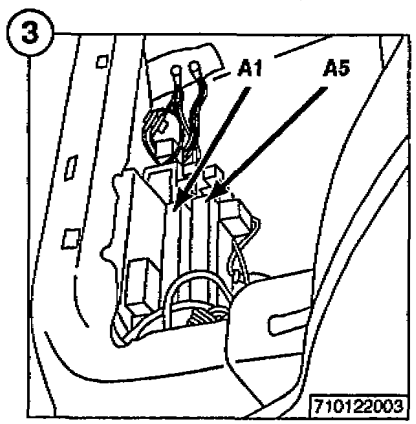
A8500
TRANSMISSION CONTROL MODULE (EGS)

A8600
TRANSMISSION CONTROL MODULE (AGS)



A3
LAMP CONTROL MODULE

A4
CHECK CONTROL MODULE



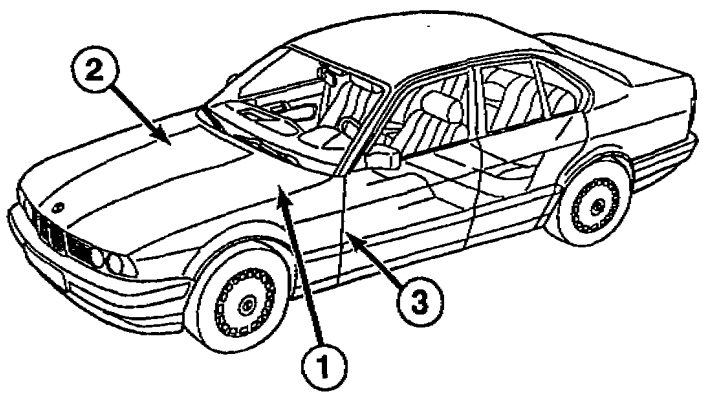
A1
GENERAL MODULE

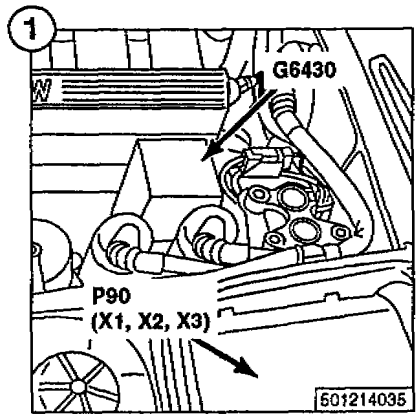
A5
RELAY MODULE

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COMPONENT LOCATION VIEWS

B(+)





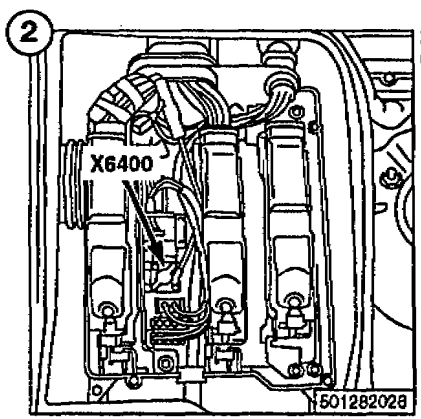
P90
FRONT POWER DISTRIBUTION BOX

G6430
B+
JUMP START JUNCTION POINT

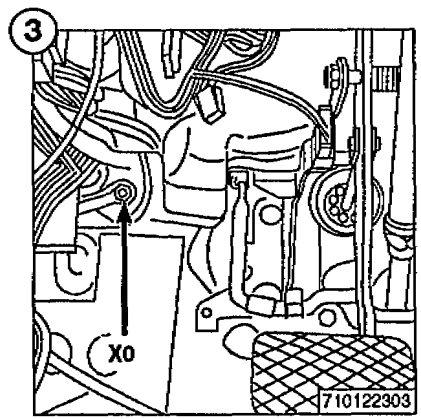
X1
B+
JUNCTION POINT

X2
BATTERY
B+ START POINT

X3
B+
JUNCTION POINT



X6400
B+ JUNCTION POINT

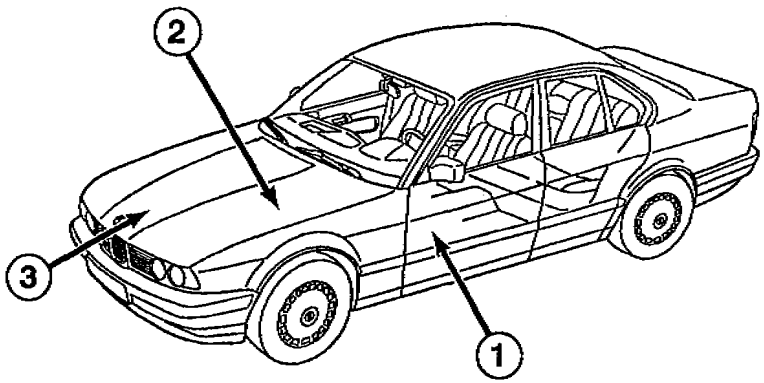


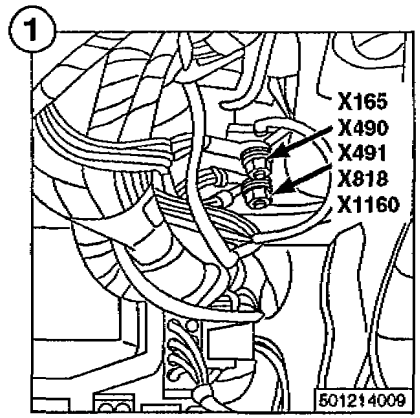
X0

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COMPONENT LOCATION VIEWS

B(-)





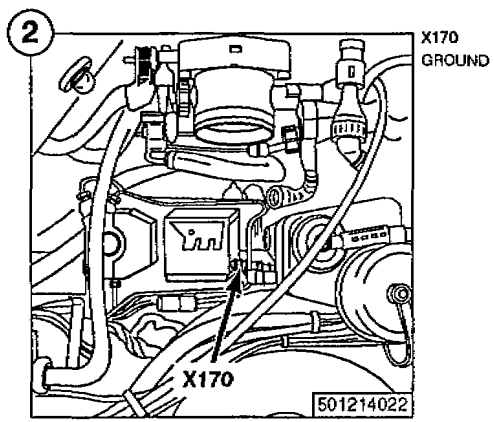
X165
GROUND

X490
GROUND

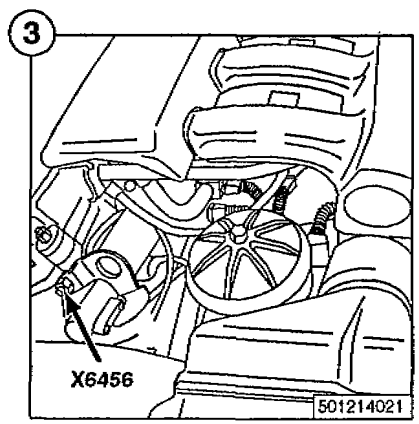
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X818
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X1160
GROUND



X170
GROUND

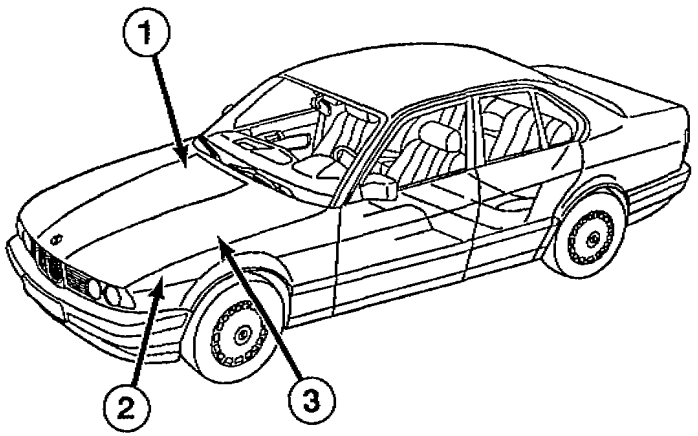


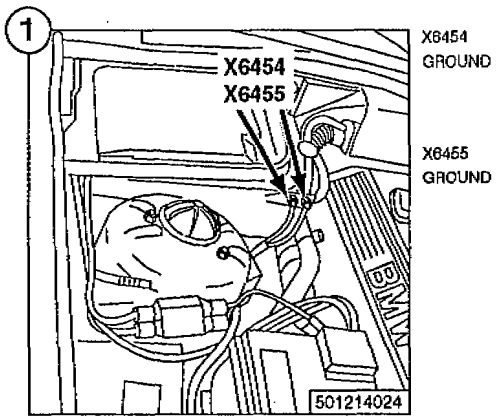
X6456
GROUND

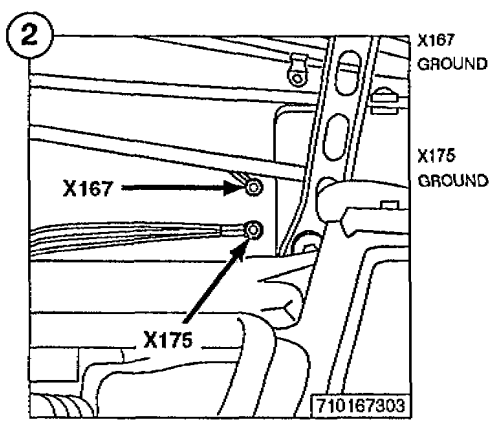
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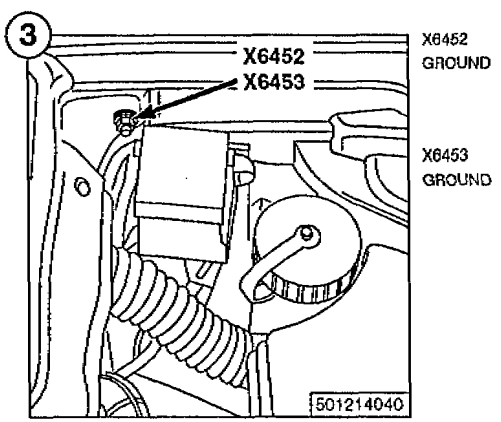
COMPONENT LOCATION VIEWS

B(-)



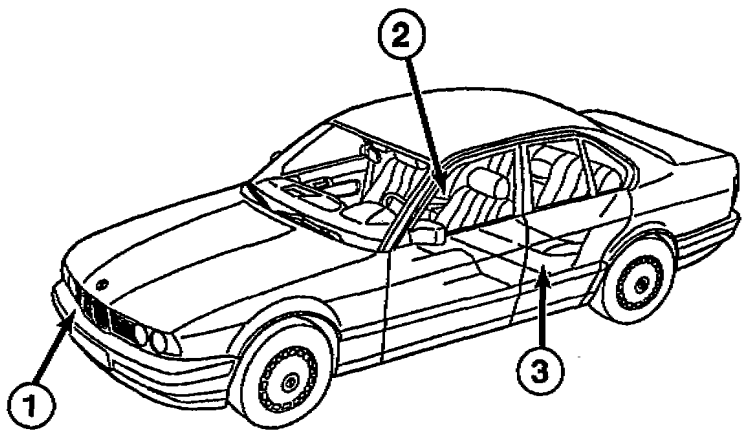


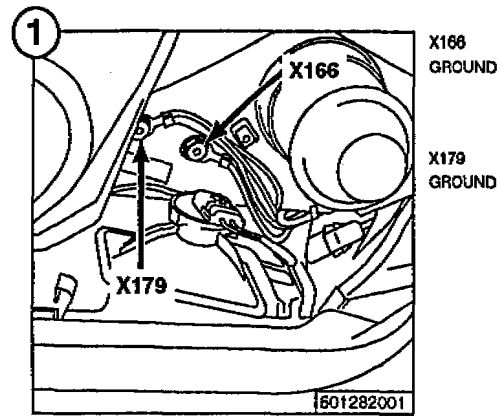


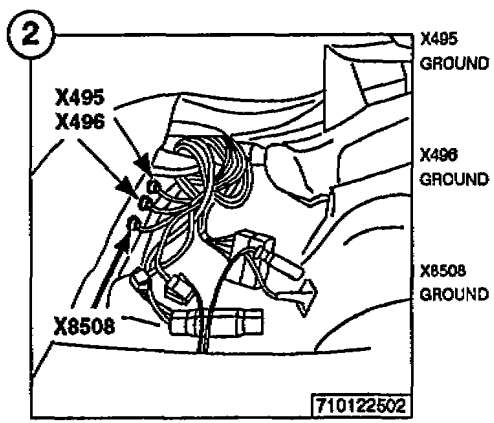


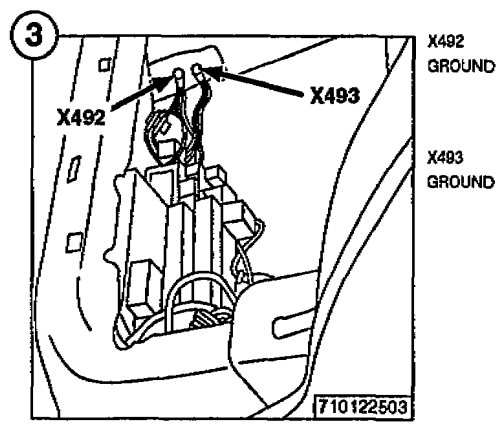
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B(-)



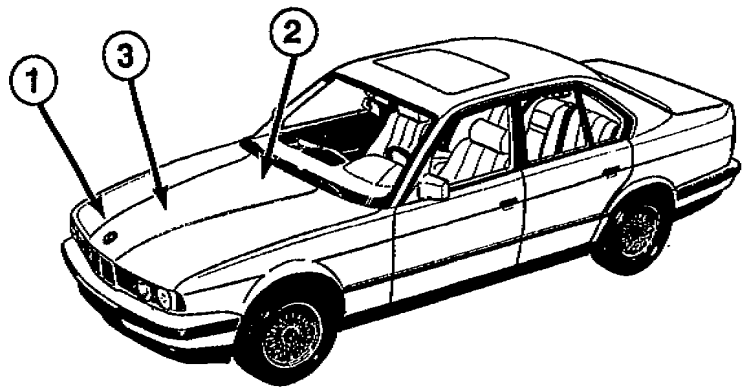


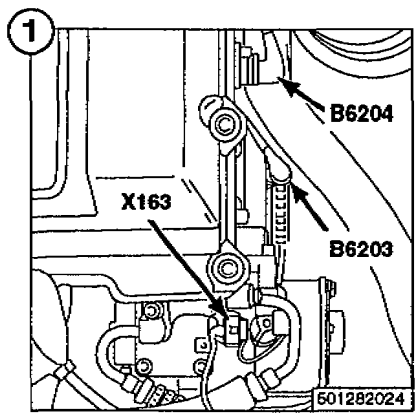




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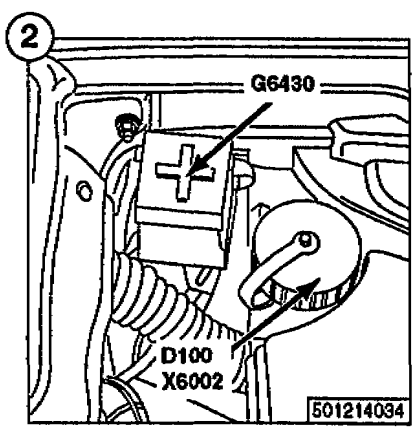
COMPONENT LOCATION VIEWS





1 B6203
CRANKSHAFT
POSITION/RPM
SENSOR

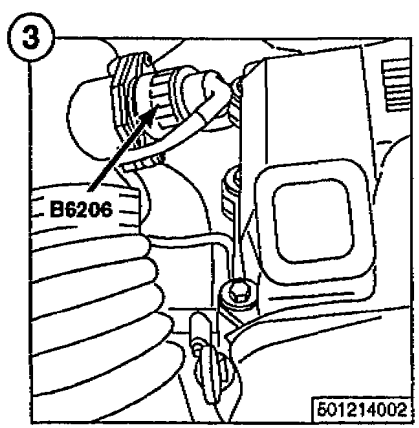
B6204
CAMSHAFT
POSITION SENSOR
(CYLINDER
IDENTIFICATION)
X163



2 D100
DATA LINK
CONNECTOR

G6430
B+
JUMP START
JUNCTION POINT

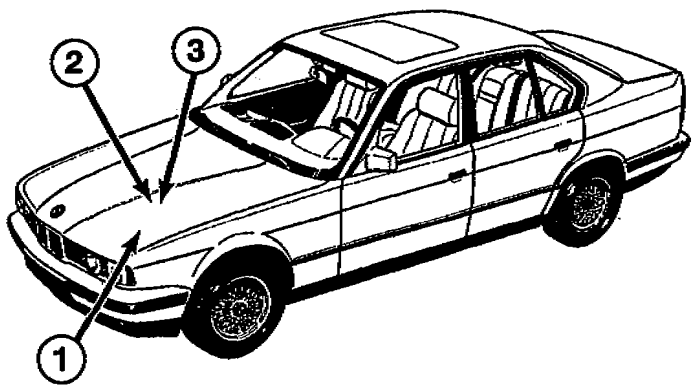
X6002

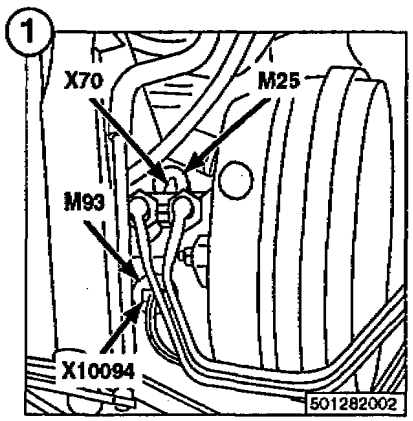


3 B6206
MASS AIR FLOW
SENSOR

cardiagn.com

COMPONENT LOCATION VIEWS

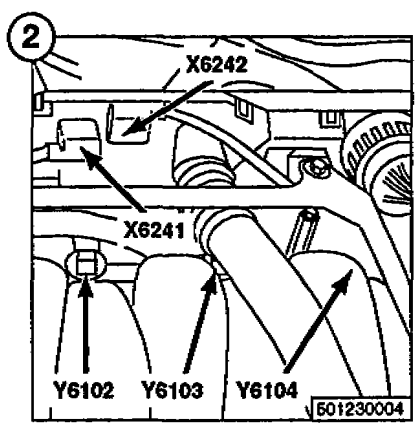




M25
CRUISE CONTROL ACTUATOR (TEMPOMAT)

M93
AUXILIARY THROTTLE POSITION MOTOR (ADS)

X70
X10094

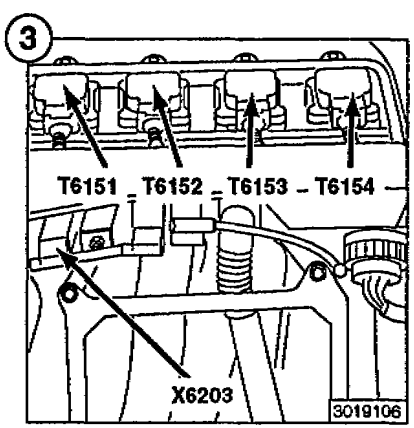


Y6102 X6241
CYL. 2 FUEL INJECTION VALVE

Y6103 X6242
CYL. 3 FUEL INJECTION VALVE

Y6104
CYL. 4 FUEL INJECTION VALVE

X20



T6151 X6203
CYL. 1 IGNITION COIL

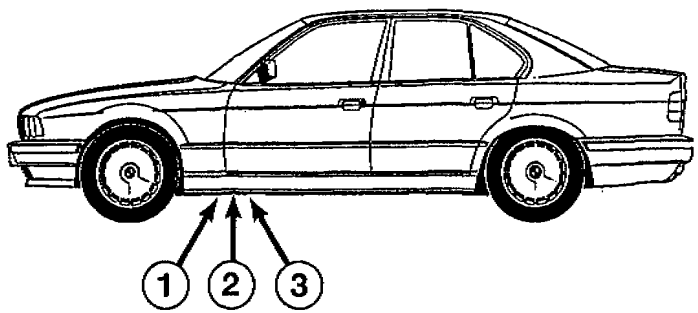
T6152
CYL. 2 IGNITION COIL

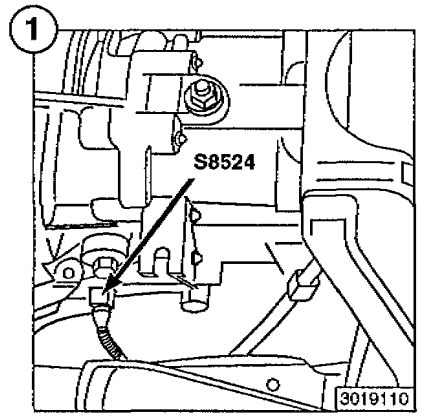
T6153
CYL. 3 IGNITION COIL

T6154
CYL. 4 IGNITION COIL

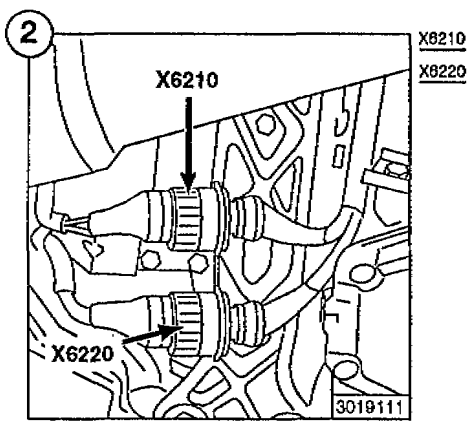
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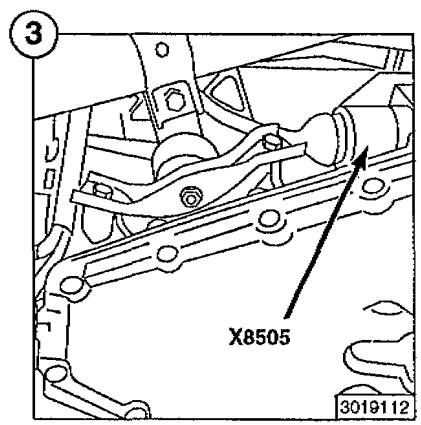
COMPONENT LOCATION VIEWS



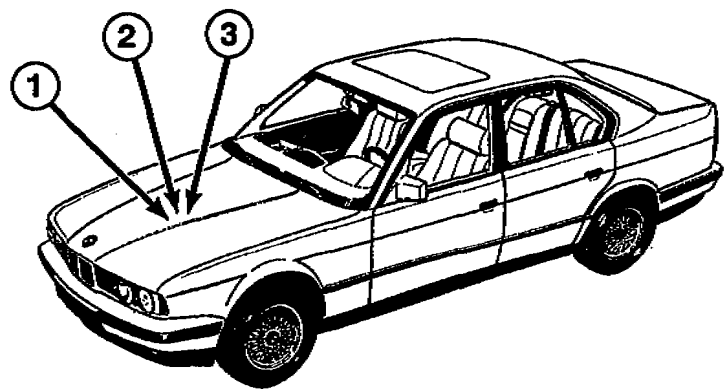


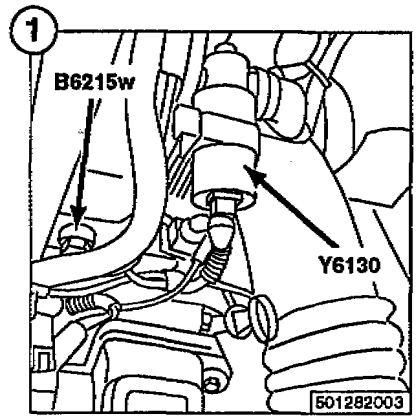
1 S8524
REVERSING LIGHT SWITCH





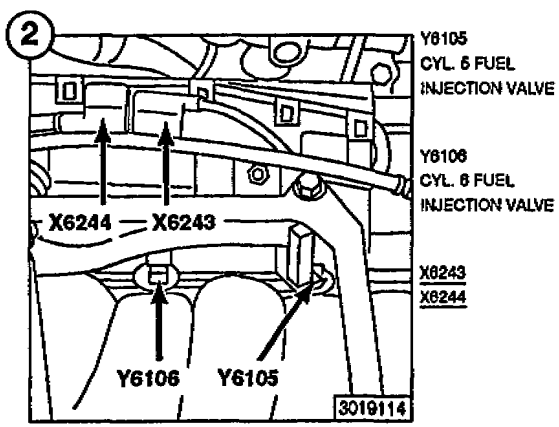
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B6215w
CYL. 1-6 AIR TEMPERATURE SENSOR

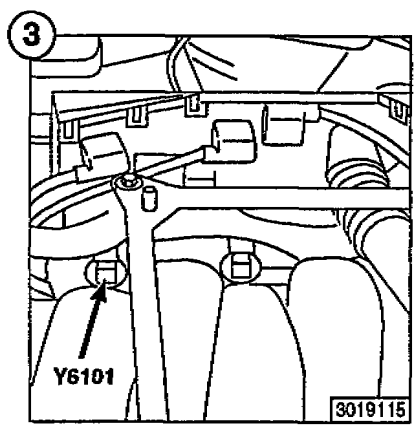
Y6130
IDLE SPEED CONTROL VALVE



Y6105
CYL. 5 FUEL INJECTION VALVE

Y6106
CYL. 6 FUEL INJECTION VALVE

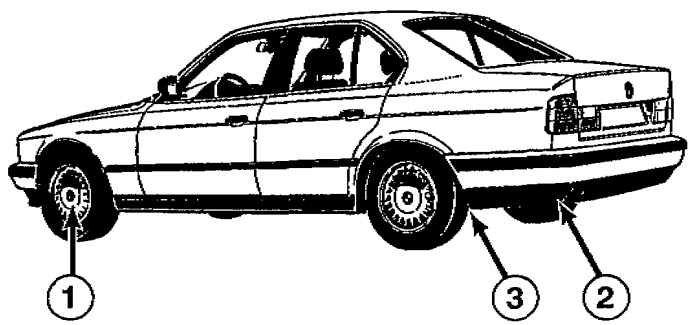
X6243
X6244

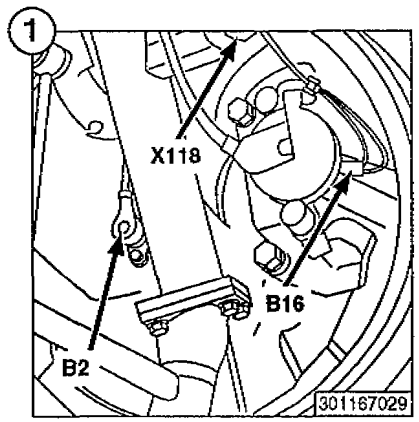


Y6101
CYL. 1 FUEL INJECTION VALVE

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COMPONENT LOCATION VIEWS

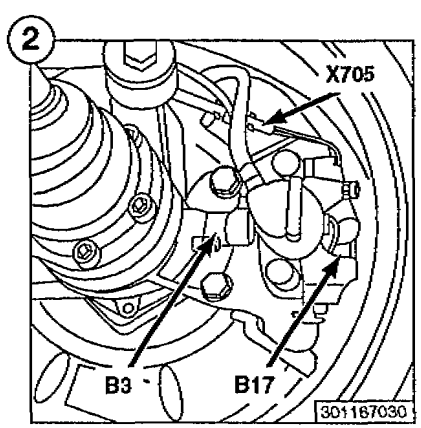




B2
LEFT FRONT
SPEED SENSOR
– ABS

B16
LEFT FRONT
BRAKE PAD
SENSOR

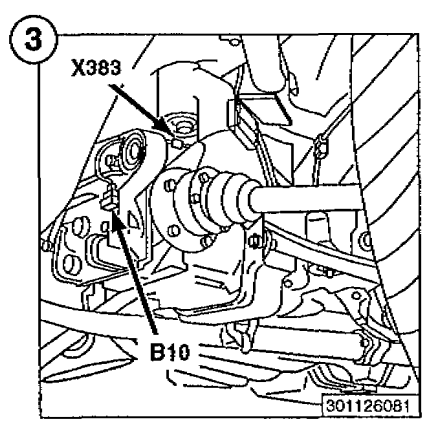
X118



B3
RIGHT REAR
SPEED SENSOR
– ABS

B17
RIGHT REAR
BRAKE PAD
SENSOR

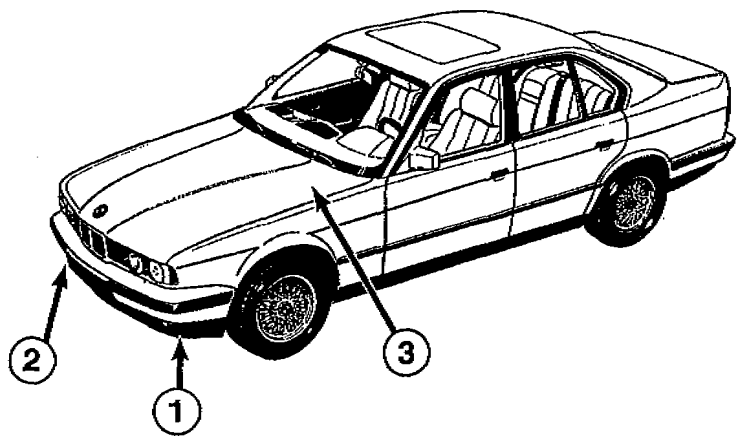
X705

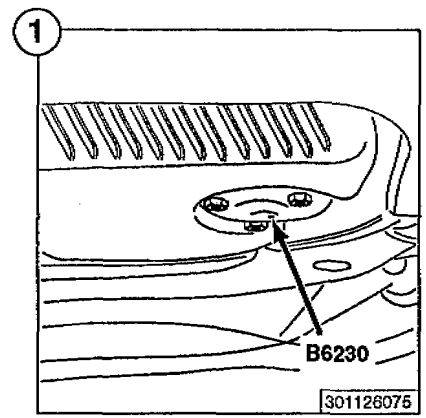


B10
VEHICLE
SPEED SENSOR

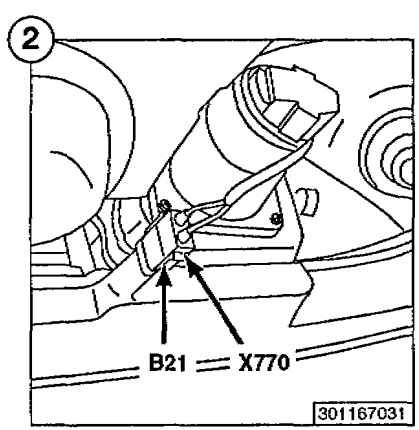
X383

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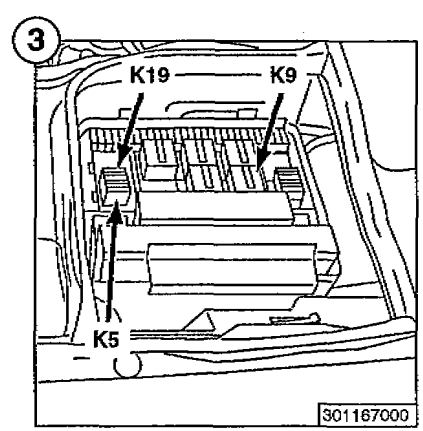




1 B6230 OIL LEVEL SENSOR



2 B21 ON-BOARD COMPUTER TEMPERATURE SENSOR X770



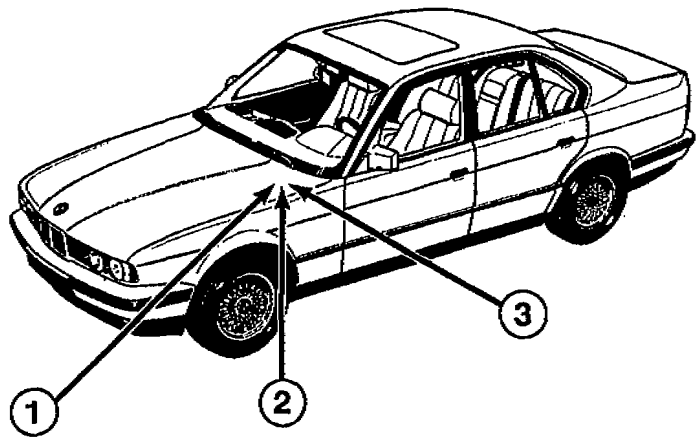
3 K5 WASHER PUMP RELAY

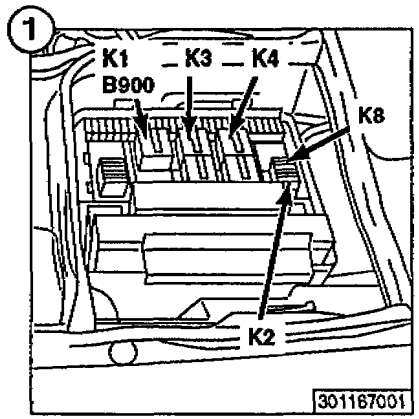
K9 UNLOADER RELAY, TERMINAL 15

K19 COMPRESSOR CONTROL RELAY

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COMPONENT LOCATION VIEWS





B900
JUMPER PLUG

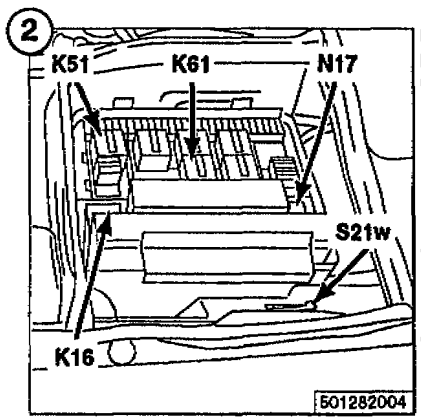
K1
STARTER RELAY

K2
HORN RELAY

K3
UNLOADER RELAY, TERMINAL R

K4
BLOWER RELAY

K8
AUXILIARY WATER PUMP RELAY



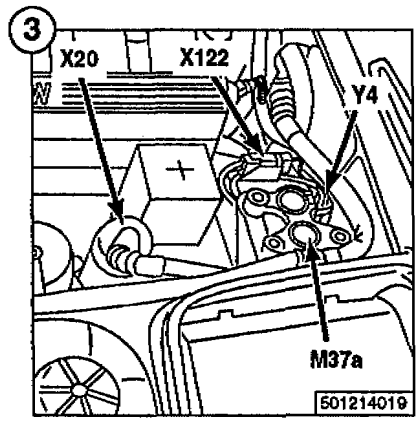
K16
HAZARD FLASHER RELAY

K61
UNLOADER RELAY, TERMINAL 61

K51
JUMPER PLUG FOR HORN/ TELEPHONE

N17
CRASH CONTROL MODULE

S21w
ENGINE HOOD SWITCH



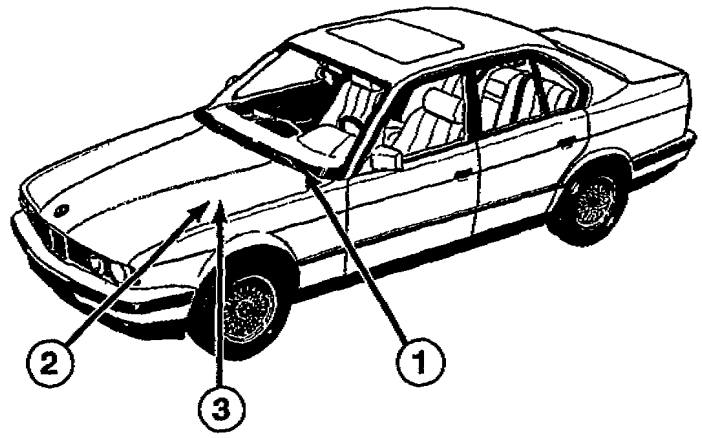
M37a
AUXILIARY WATER PUMP

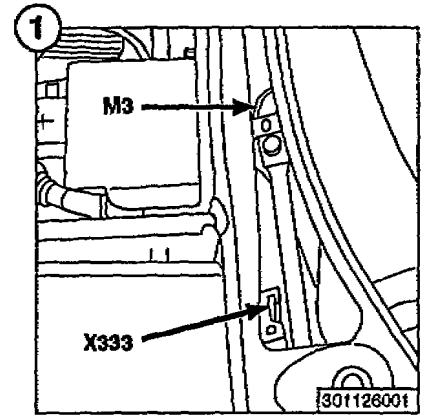
Y4
WATER VALVE ASSEMBLY

X20

X122

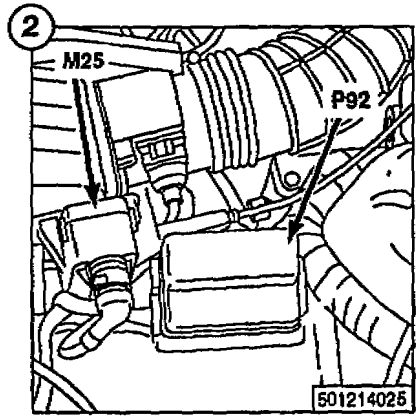
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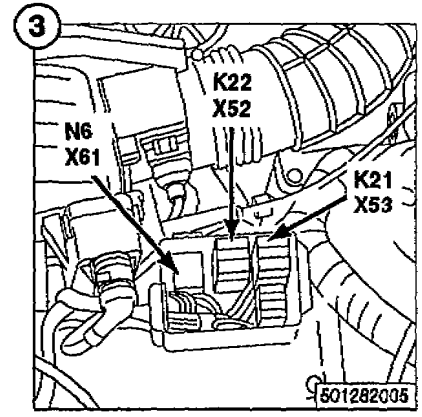
1 M3 WIPER MOTOR

X333



2 M25 CRUISE CONTROL ACTUATOR (TEMPOMAT)

P92 AUXILIARY RELAY BOX



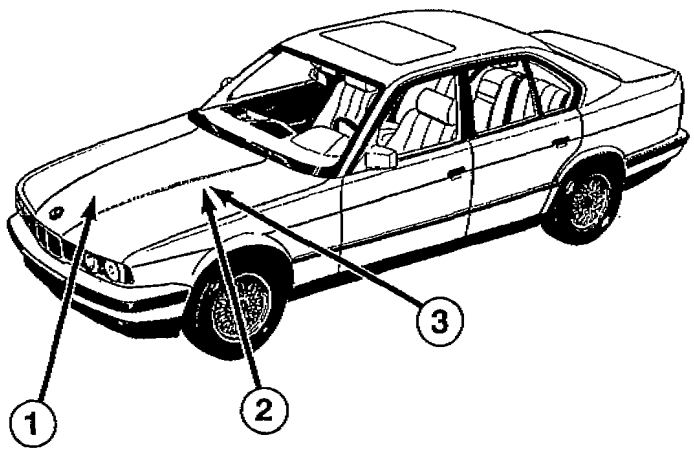
3 K21 NORMAL SPEED RELAY — X52, X53, X61

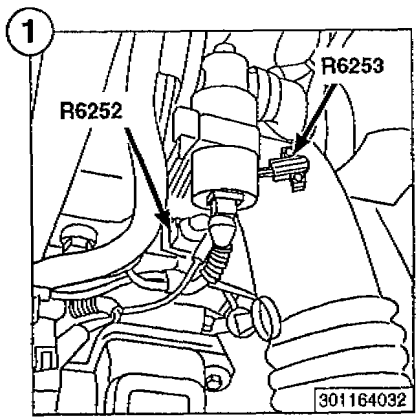
K22 HIGH SPEED RELAY

N6 HEADLIGHT/ FOGLIGHT CLEANING MODULE (SRA)

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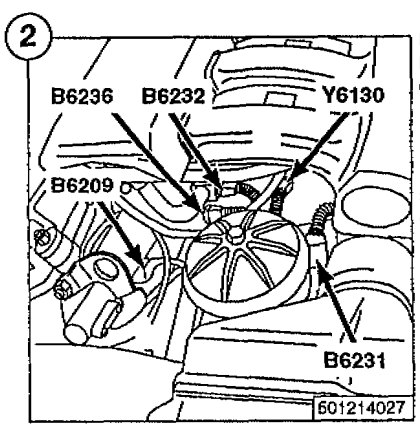
COMPONENT LOCATION VIEWS





R6252
THROTTLE
POSITION
SENSOR

R6253
AUXILIARY
THROTTLE
POSITION
SENSOR



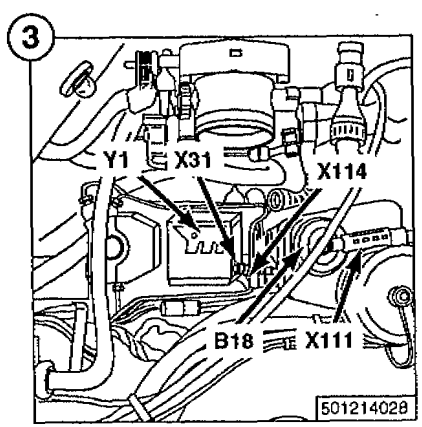
B6209
HALL EFFECT
CAMSHAFT SENSOR

B6231
OIL PRESSURE
SWITCH

B6232
ENGINE COOLANT
TEMPERATURE
SENSOR

B6236
ENGINE COOLANT
TEMPERATURE
SENSOR

Y6130
IDLE SPEED
CONTROL VALVE

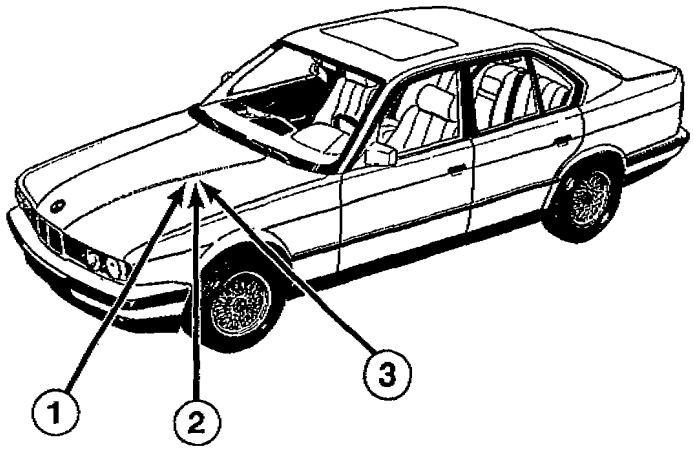


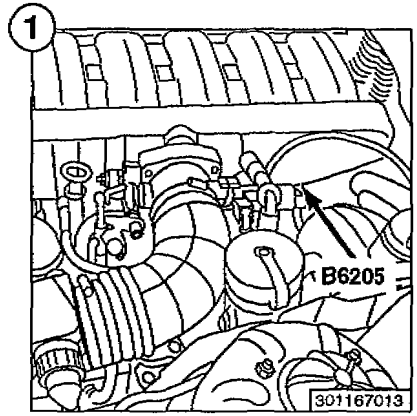
B18
BRAKE FLUID
LEVEL SWITCH

Y1
ABS
HYDRAULIC UNIT

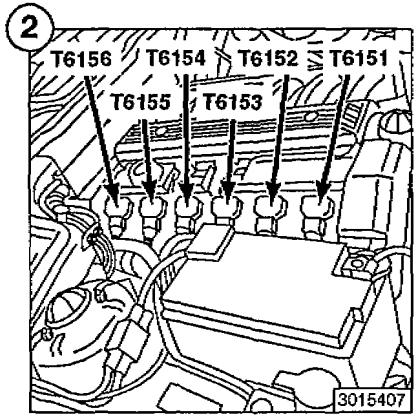
X31
X111
X114

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B6205
INTAKE
AIR TEMPERATURE
SENSOR



T6151
CYL 1 IGNITION
COIL

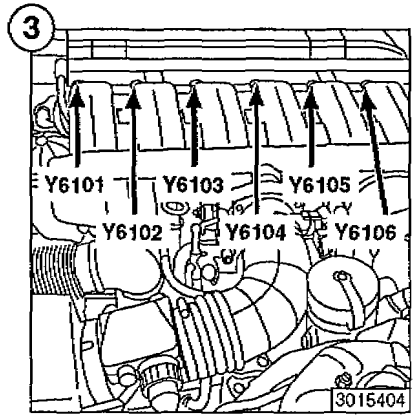
T6154
CYL 4 IGNITION
COIL

T6152
CYL 2 IGNITION
COIL

T6155
CYL. 5 IGNITION
COIL

T6153
CYL 3 IGNITION
COIL

T6156
CYL 6 IGNITION
COIL



Y6101
CYL 1 FUEL
INJECTION VALVE

Y6104
CYL 4 FUEL
INJECTION VALVE

Y6102
CYL 2 FUEL
INJECTION VALVE

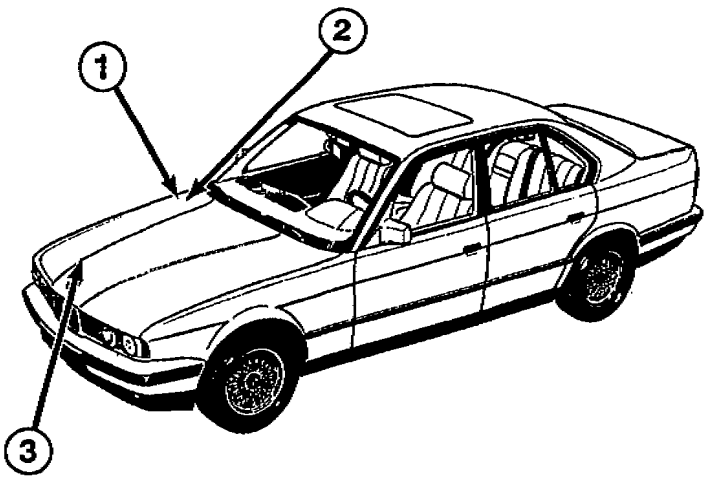
Y6105
CYL 5 FUEL
INJECTION VALVE

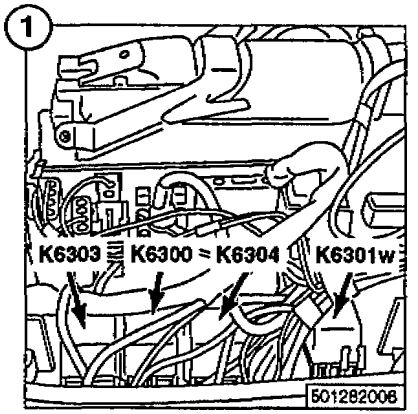
Y6103
CYL 3 FUEL
INJECTION VALVE

Y6106
CYL 6 FUEL
INJECTION VALVE

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COMPONENT LOCATION VIEWS



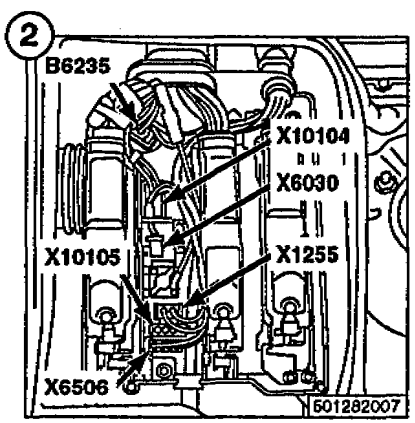


K6300
ENGINE CONTROL MODULE RELAY

K6304
SECONDARY AIR PUMP RELAY

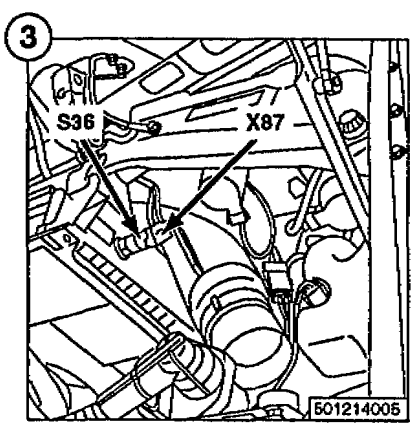
K6301w
FUEL PUMP RELAY

K6303
OXYGEN SENSOR RELAY



B6235
TEMPERATURE SWITCH

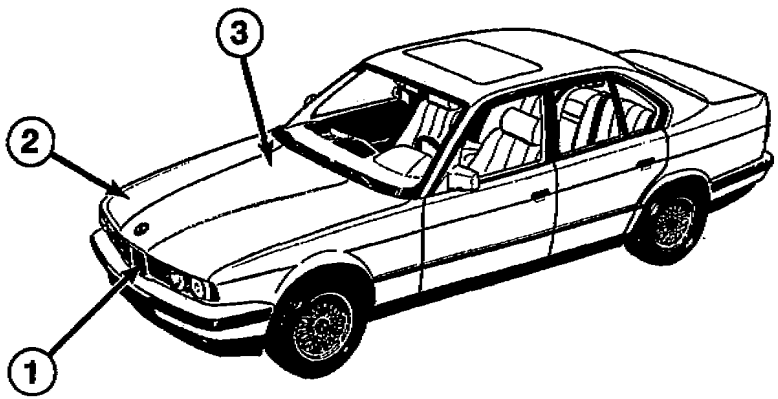
X1255
X6030
X10104
X10105
X6506

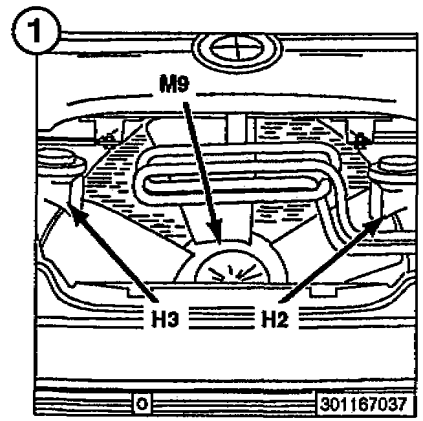


S36
TEMPERATURE SWITCH

X87

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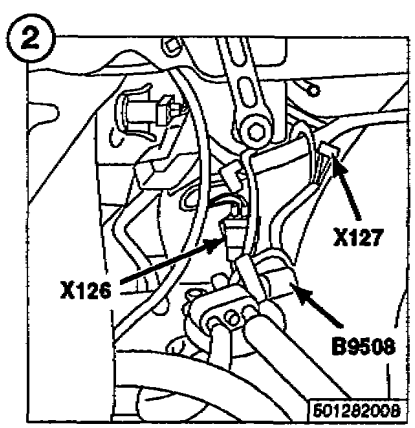




H2
LEFT HORN

H3
RIGHT HORN

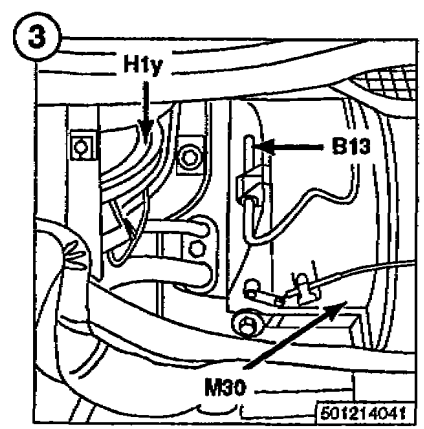
M9
AUXILIARY
FAN MOTOR



B9508
PRESSURE
SWITCH

X126

X127



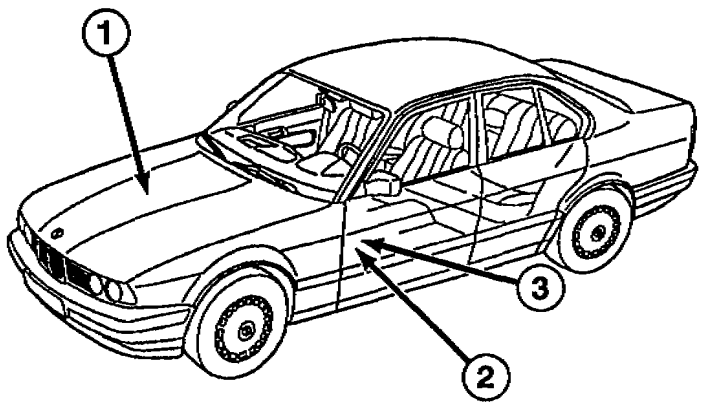
B13
OUTSIDE
TEMPERATURE
SENSOR

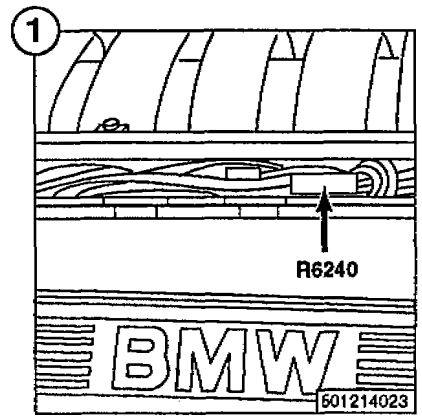
H1y
ANTI-THEFT HORN

M30
BLOWER MOTOR

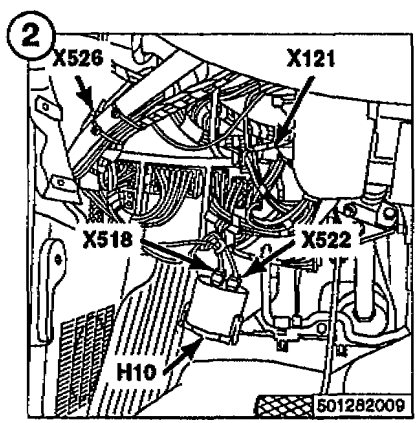
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COMPONENT LOCATION VIEWS



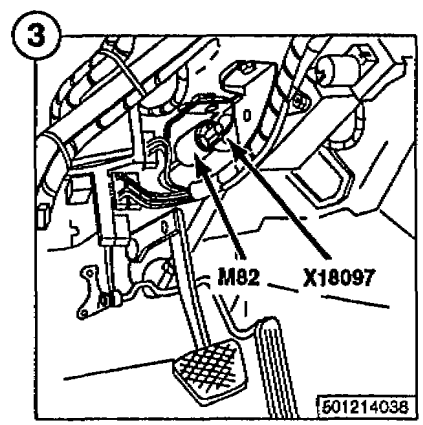


R6240
RESISTOR



H10
CHIME MODULE

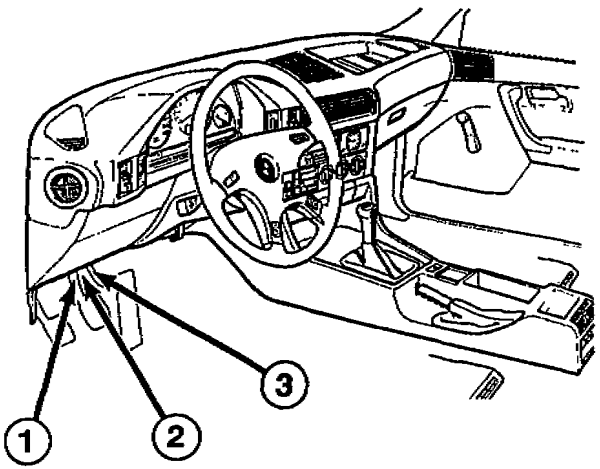
X121
X518
X522
X526

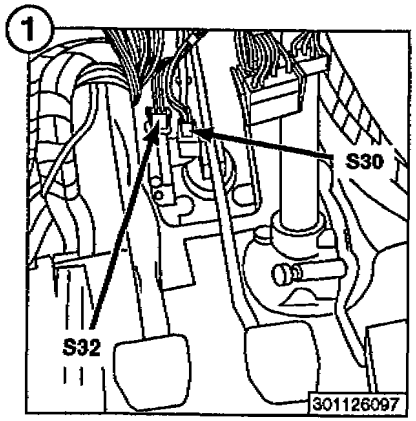


M82
STEERING COLUMN
LENGTH ADJUST
MOTOR

X18097

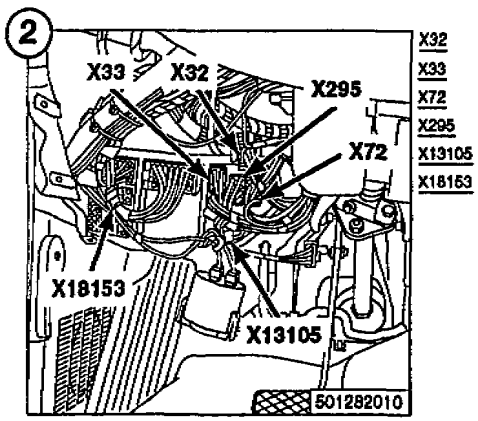
cardiagn.com



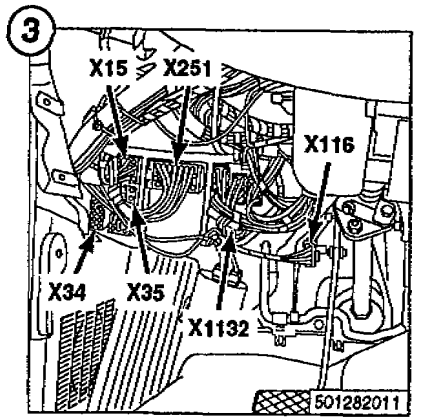


S30
BRAKE LIGHT SWITCH

S32
CLUTCH SWITCH

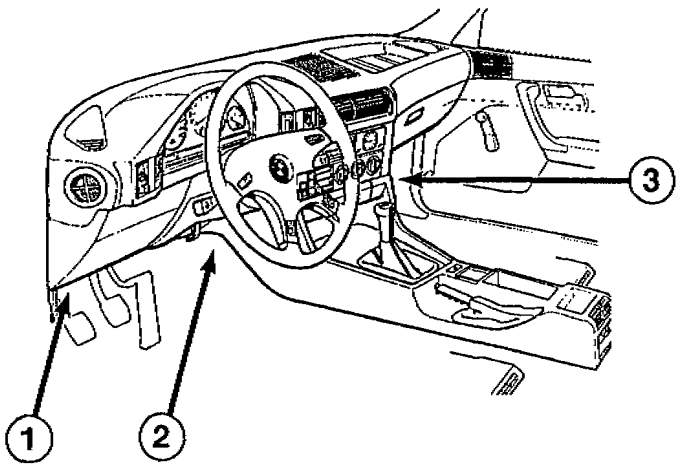


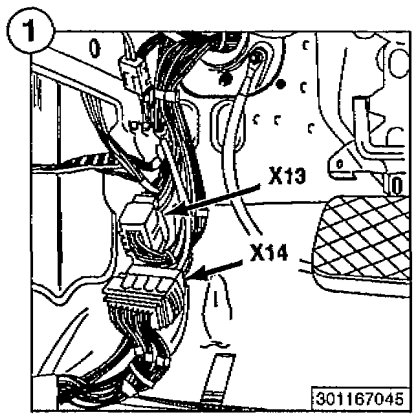
X32
X33
X72
X295
X13105
X18153



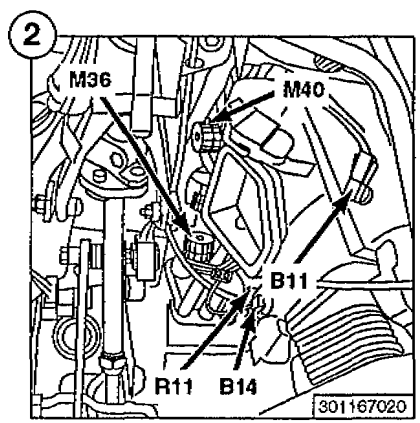
X15
X34
X35
X116
X251
X1132

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X13
X14



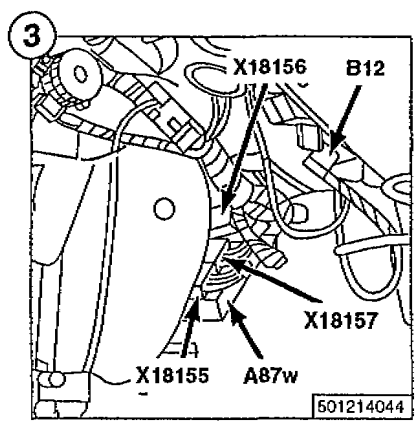
B11
LH HEAT EXCHANGER TEMPERATURE SENSOR

B14
EVAPORATOR TEMPERATURE SENSOR

M36
FRESH AIR FLAP MOTOR

M40
RECIRCULATION FLAP MOTOR

R11
BLOWER RESISTORS

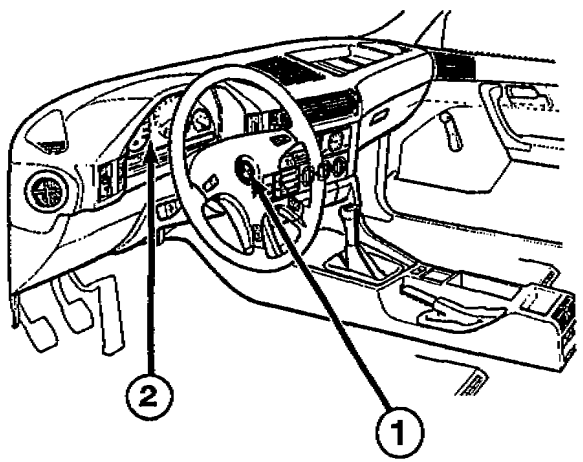


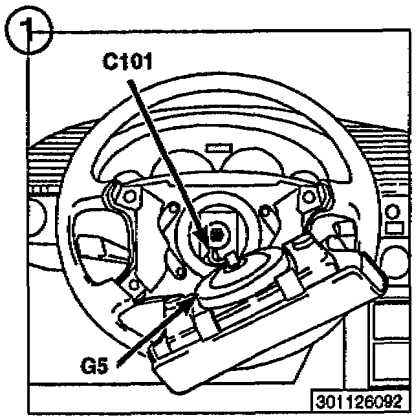
A87w
INTEGRATED CLIMATE REGULATION CONTROL MODULE (IHKR/F3)

B12
RH HEAT EXCHANGER TEMPERATURE SENSOR

X18155
X18156
X18157

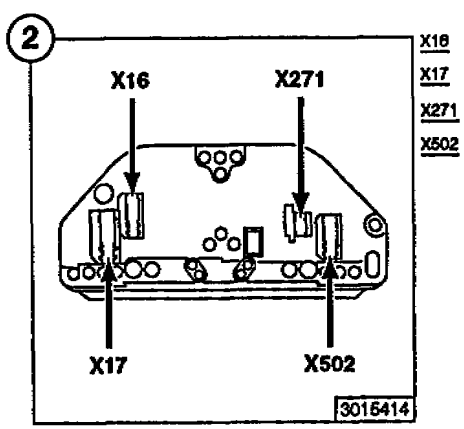
cardiagn.com



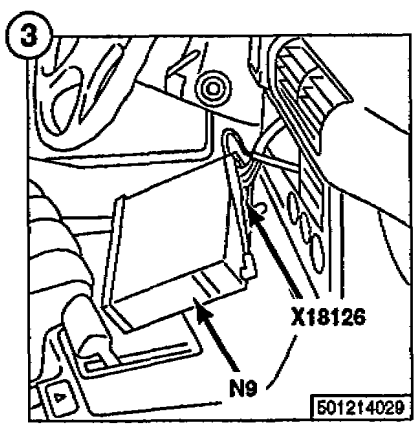


C101
CONTACT RING

G5
DRIVER'S
AIR BAG GAS
GENERATOR



X16
X17
X271
X502

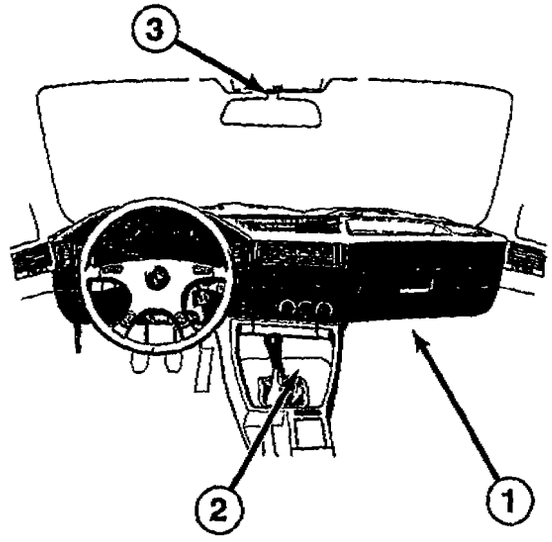


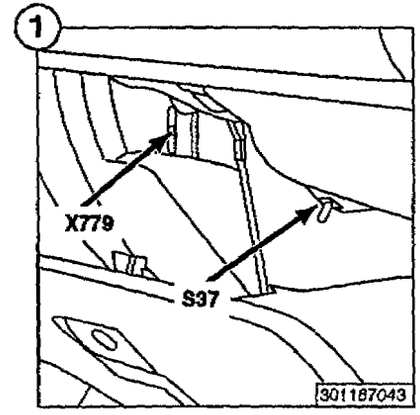
N9
RADIO

X18126

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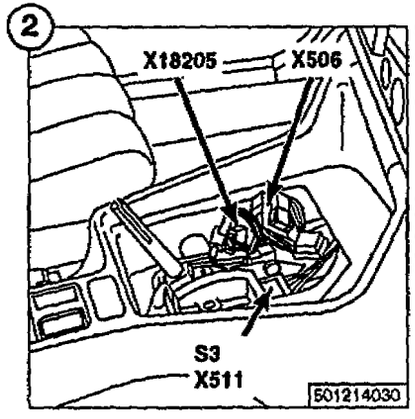
COMPONENT LOCATION VIEWS





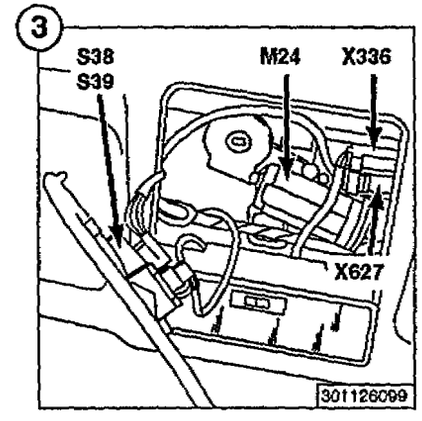
S37
GLOVE BOX
LIGHT SWITCH

X779
CHARGING SOCKET



S3
AUTOMATIC
TRANSMISSION
RANGE SWITCH

X506
X511
X18205



M24
SUNROOF MOTOR

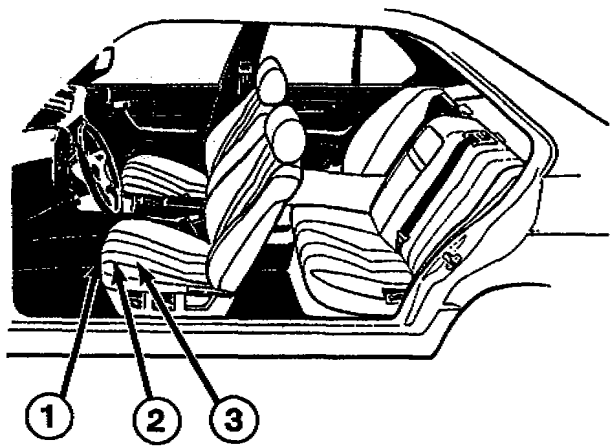
S38
SUNROOF SWITCH

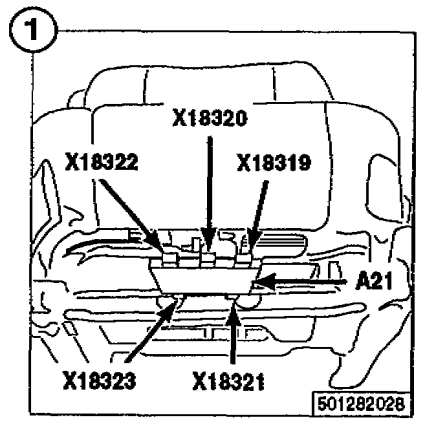
S39
SUNROOF
POSITION
SWITCH

X336
X627

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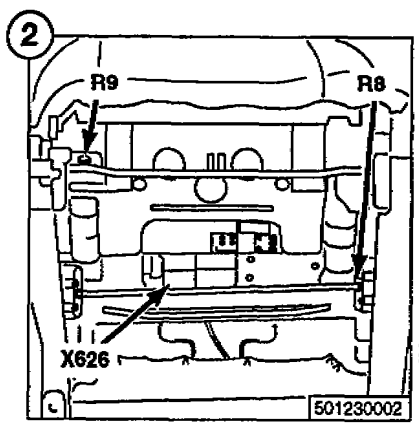
COMPONENT LOCATION VIEWS





A21
SEAT/MIRROR
MEMORY
CONTROL MODULE

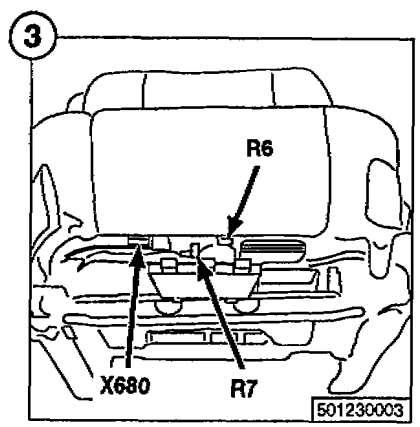
X18319
X18320
X18321
X18322
X18323



R8
SEAT CUSHION
REAR HEIGHT
POTENTIOMETER

R9
SEAT CUSHION
MOVEMENT
POTENTIOMETER

X626

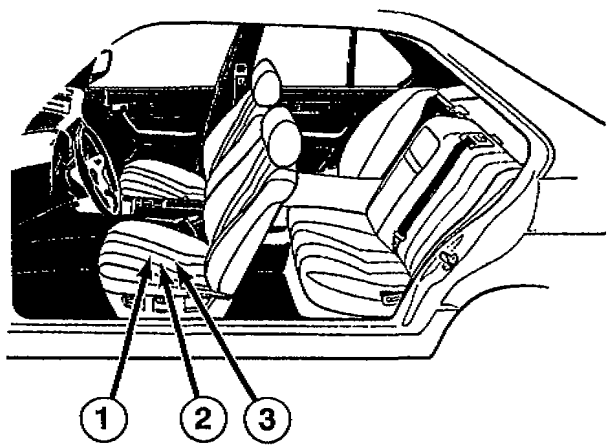


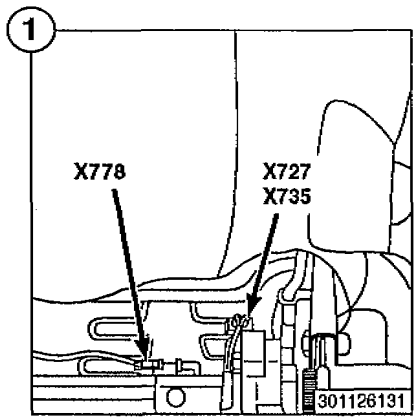
R6
SEAT HEIGHT
POTENTIOMETER

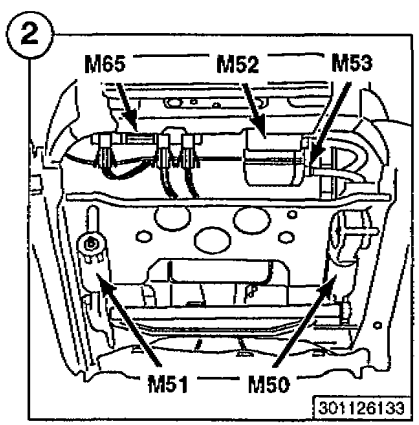
R7
SEATBACK
POTENTIOMETER

X680

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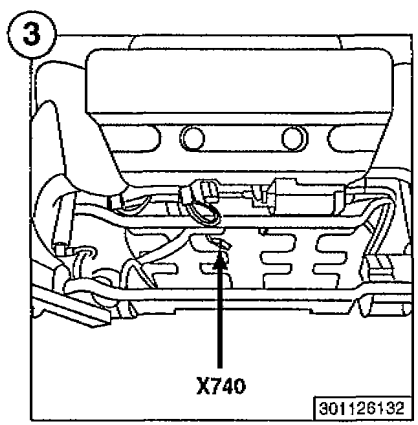
M50
DRIVER'S
SEAT CUSHION
TILT MOTOR

M51
DRIVER'S SEAT
MOVEMENT MOTOR

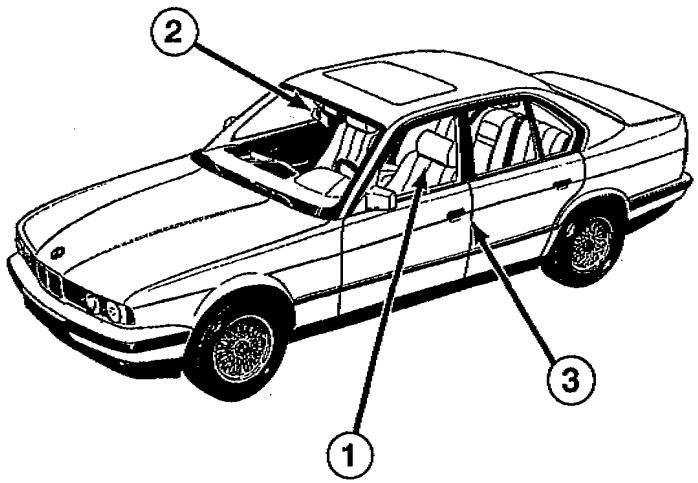
M52
DRIVER'S SEAT
HEIGHT MOTOR

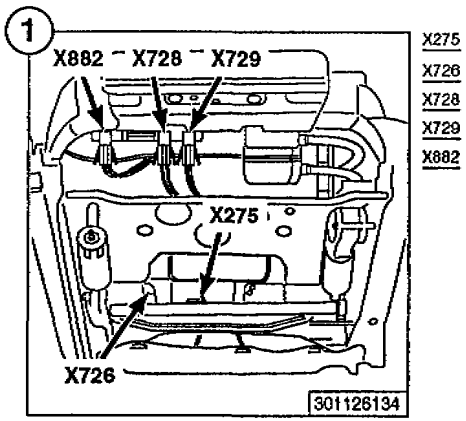
M53
DRIVER'S
SEATBACK
RECLINER MOTOR

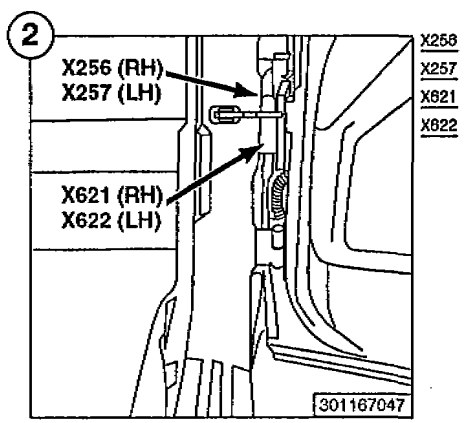
M65
DRIVER'S
THIGH SUPPORT
MOTOR

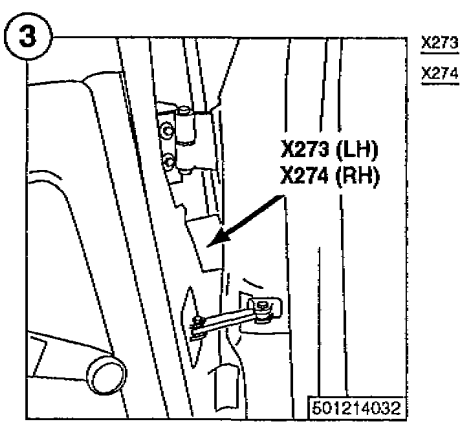


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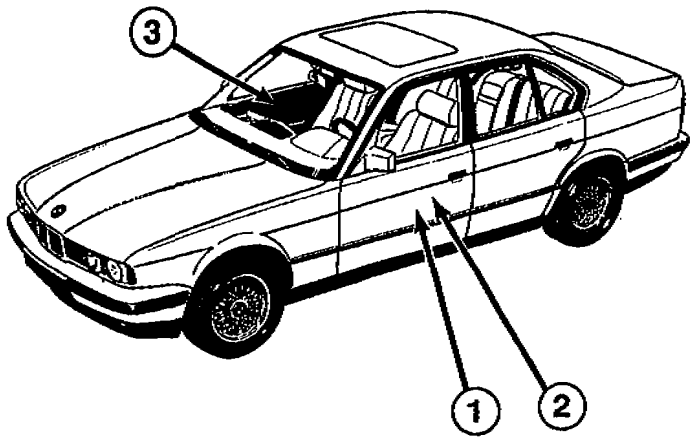


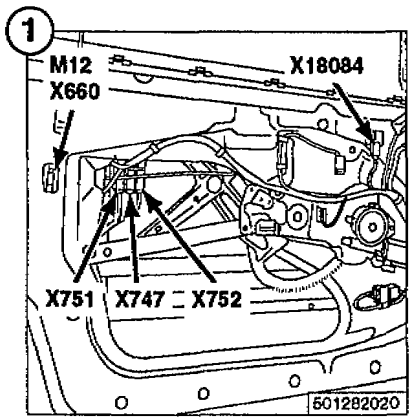




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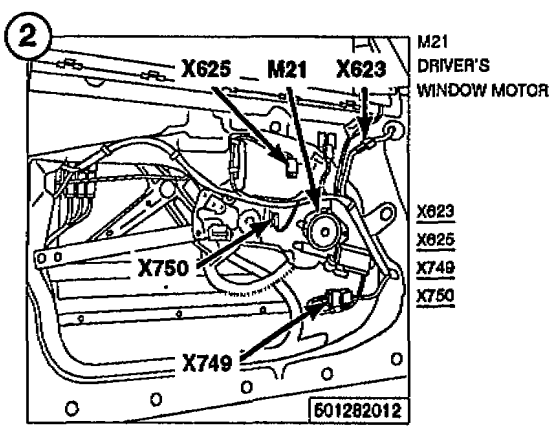
COMPONENT LOCATION VIEWS





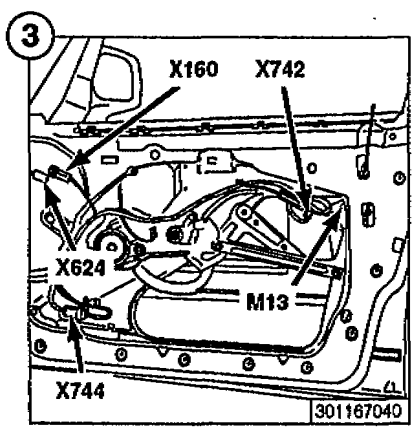
M12
DRIVER'S
DOOR LOCK
MOTOR

X660
X747
X751
X752
X18084



M21
DRIVER'S
WINDOW MOTOR

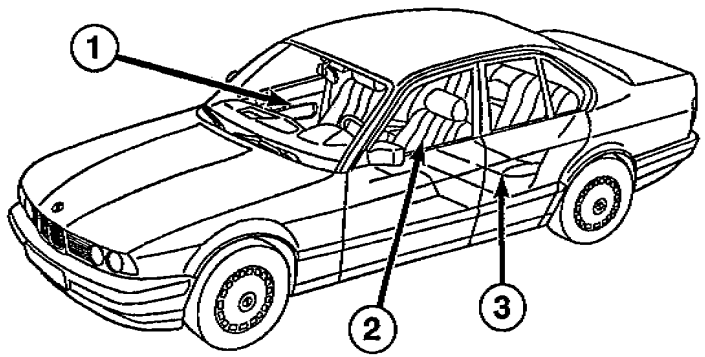
X623
X625
X749
X750

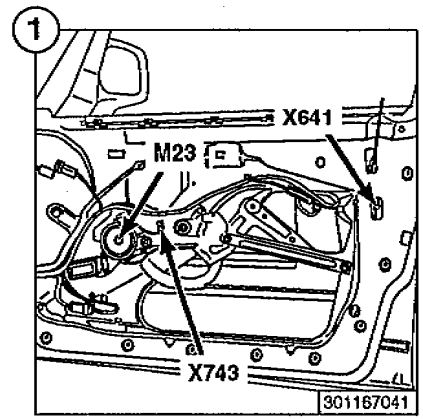


M13
PASSENGER'S
DOOR LOCK
MOTOR

X160
X624
X742
X744

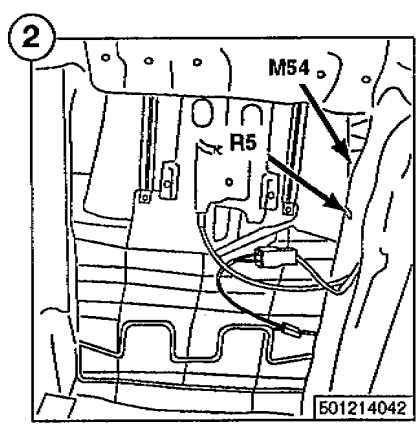
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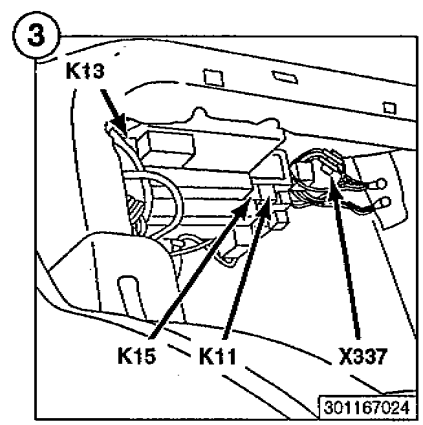
1 M23
PASSENGER'S
WINDOW MOTOR

X641
X743



2 M54
DRIVER'S
HEADREST MOTOR

R5
HEADREST
POTENTIOMETER



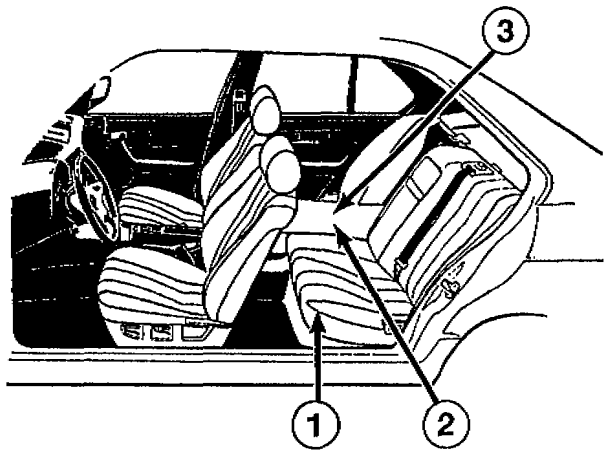
3 K11
WIPER RELAY

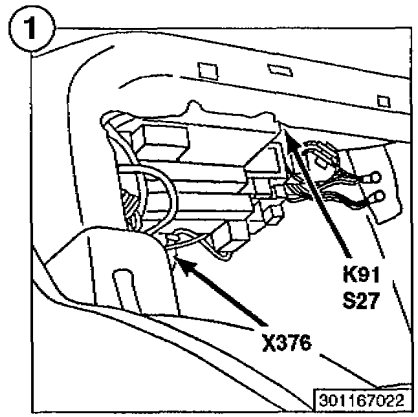
K13
REAR DEFOGGER
RELAY

K15
ELECTRIC
POWER
PROTECTION
RELAY
X337

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COMPONENT LOCATION VIEWS

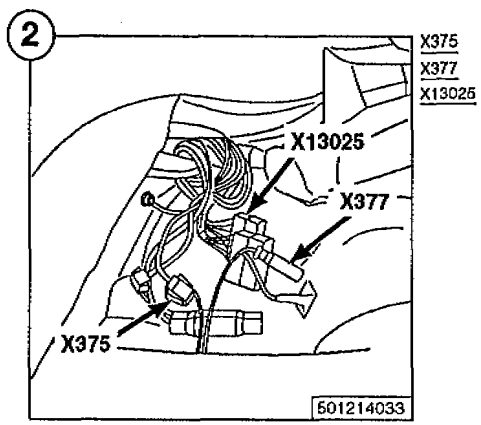




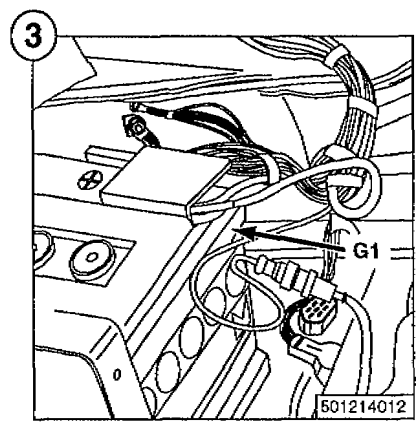
K91
ON-BOARD COMPUTER HORN RELAY

S27
INERTIA SWITCH

X376



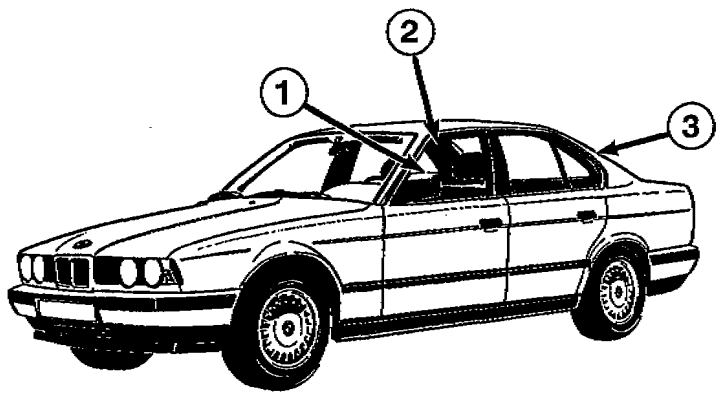
X375
X377
X13025

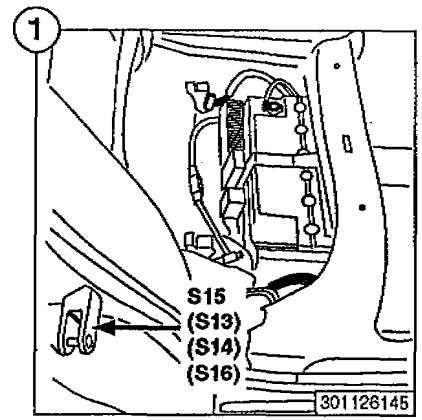


G1
BATTERY

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COMPONENT LOCATION VIEWS



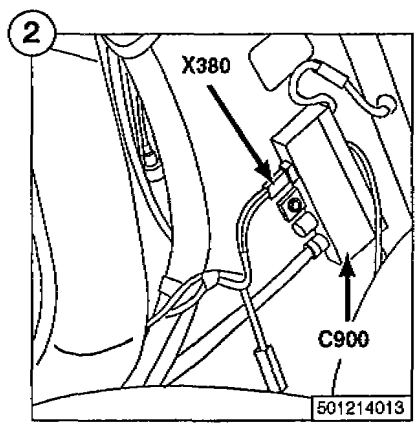


S13
PASSENGER'S
DOOR JAMB
SWITCH

S14
DRIVER'S
DOOR JAMB
SWITCH

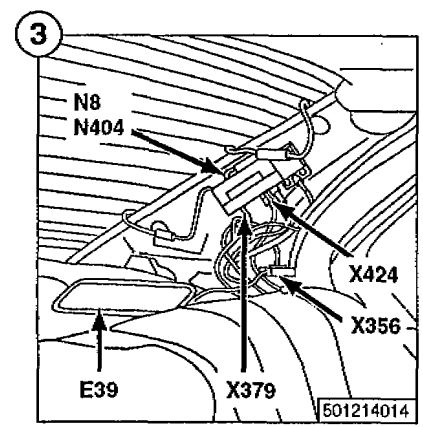
S15
REAR RIGHT
DOOR JAMB
SWITCH

S16
LEFT REAR
DOOR JAMB
SWITCH



C900
SUPPRESSION
FILTER

X380



E39
LEFT REAR
INTERIOR LIGHT
X379

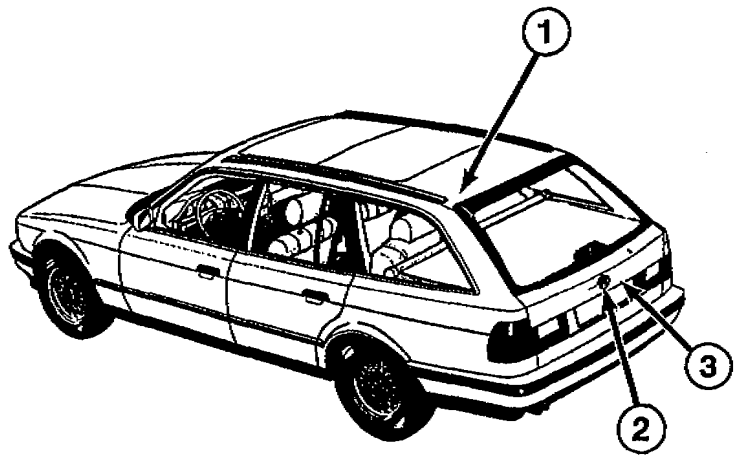
N8
ANTENNA
AMPLIFIER
AM/FM
X424

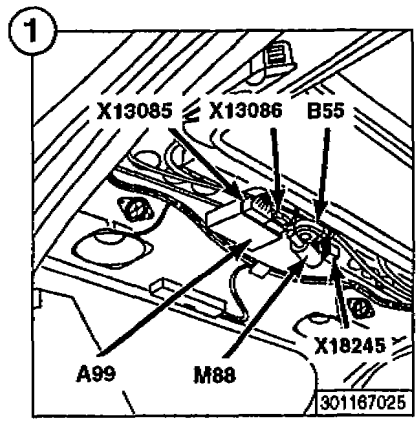
N404
DIVERSITY

X356

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COMPONENT LOCATION VIEWS



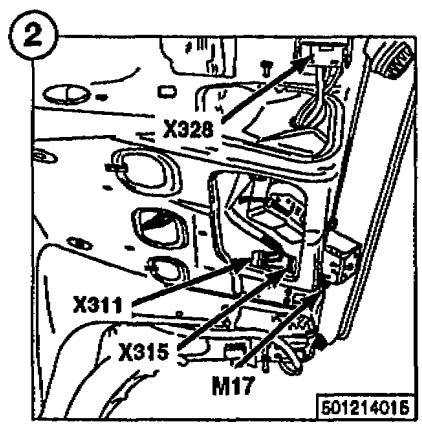


A99 X18245
DOUBLE PANEL
POWER SUNROOF
CONTROL MODULE

B55
DOUBLE PANEL
POWER SUN ROOF
SENSOR II

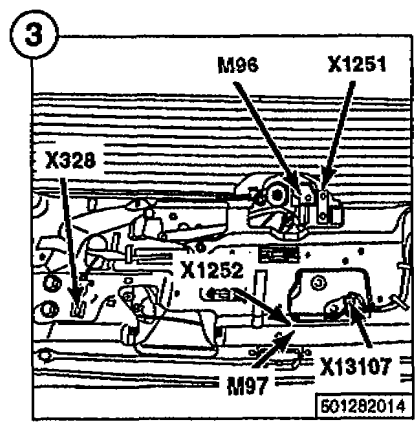
M88
MOTOR DRIVE II
DOUBLE PANEL
POWER SUNROOF

X13085
X13086



M17
TRUNK LOCK
MOTOR

X311
X315
X328



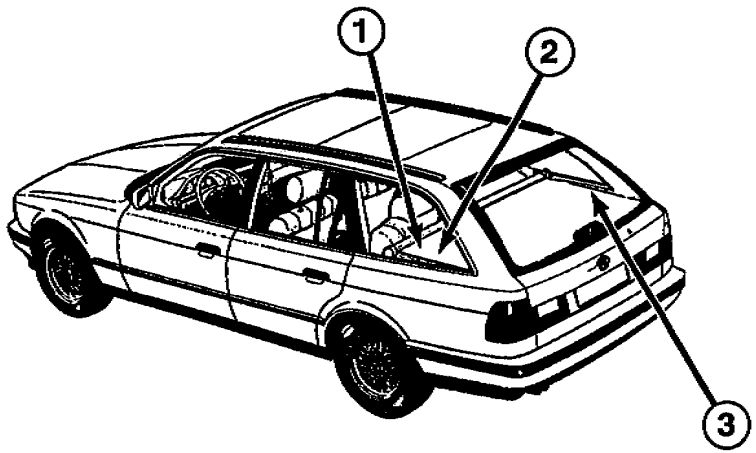
M96
REAR WINDOW
MOTOR

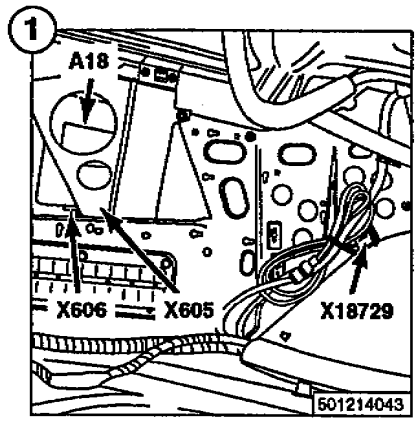
M97
LIFT GATE MOTOR

X328
X1251
X1252
X13107

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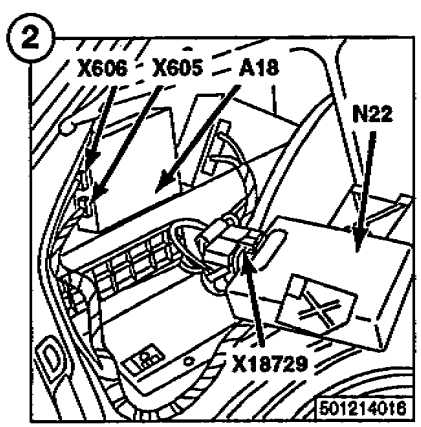
COMPONENT LOCATION VIEWS





A18
HIFI AMPLIFIER

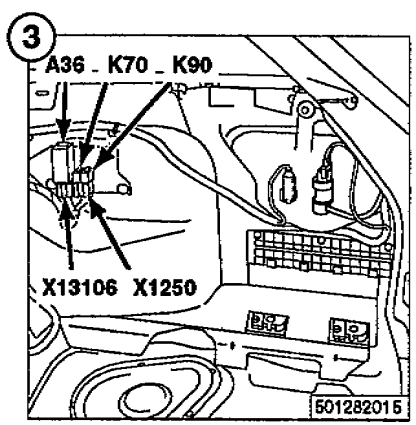
X605
X606
X18729



A18
HIFI AMPLIFIER

N22
CD CHANGER

X605
X606
X18729



A36
REAR
WIPER/WASHER
INTERVAL
CONTROL MODULE

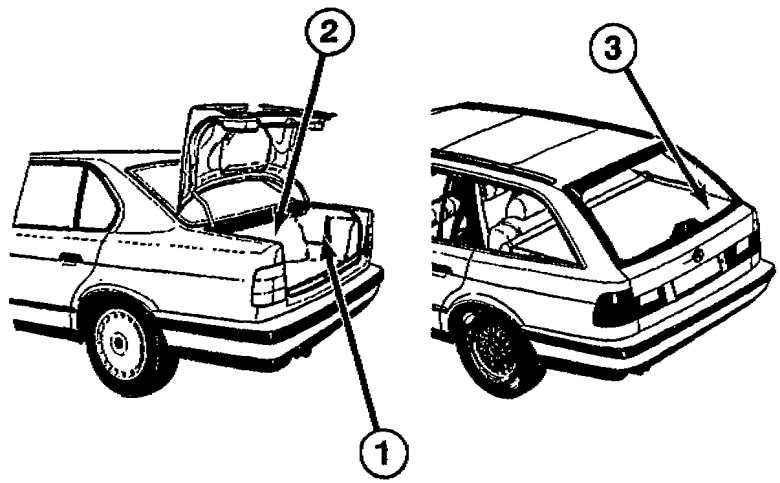
X1250
X13106

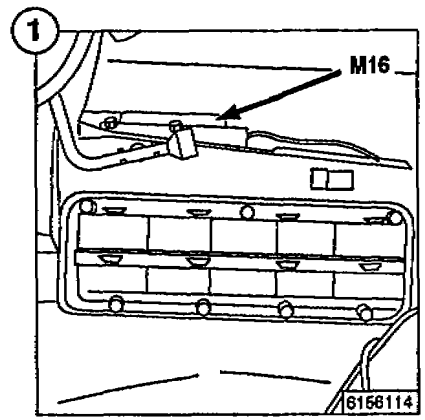
K70
CENTRAL LOCKING
TRUNK LID
MOTOR RELAY
(ZV)

K90
WINDOW MOTOR
RELAY

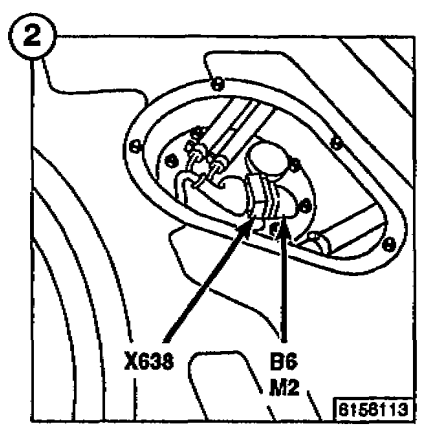
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COMPONENT LOCATION VIEWS





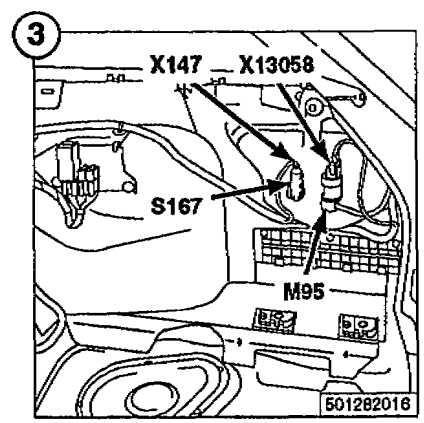
M16
GAS FILLER
LOCK MOTOR



B6
FUEL LEVEL
SENSOR

M2
FUEL PUMP

X638



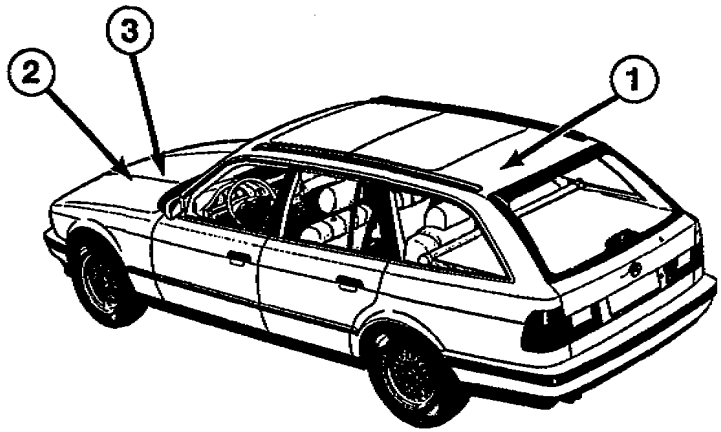
M95
REAR WINDOW
WASHER PUMP

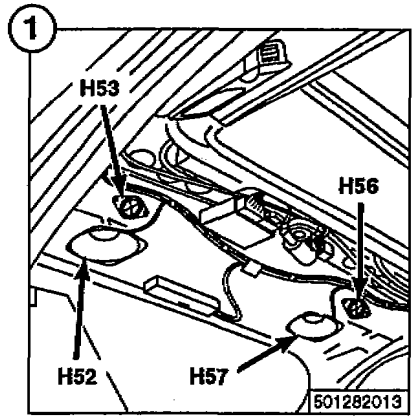
S176
REAR
WIPER/WASHER
FLUID LEVEL
SWITCH

X147

X13058

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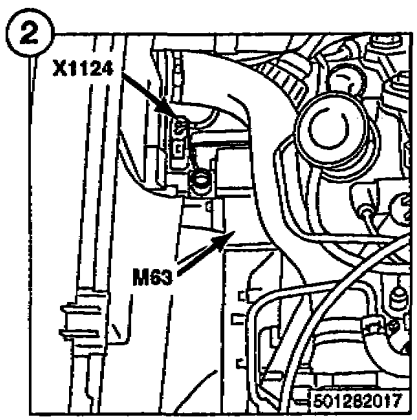


H52
RIGHT REAR
LOW RANGE
SPEAKER

H53
RIGHT REAR
HIGH RANGE
SPEAKER

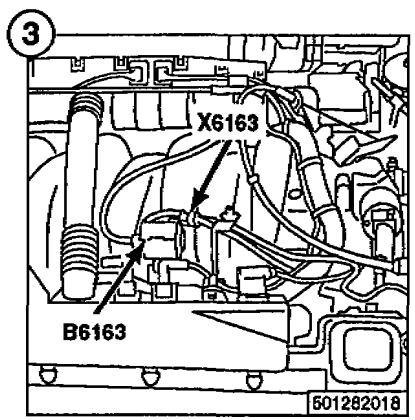
H56
LEFT REAR
HIGH RANGE
SPEAKER

H57
LEFT REAR
LOW RANGE
SPEAKER



M63
SECONDARY AIR
PUMP

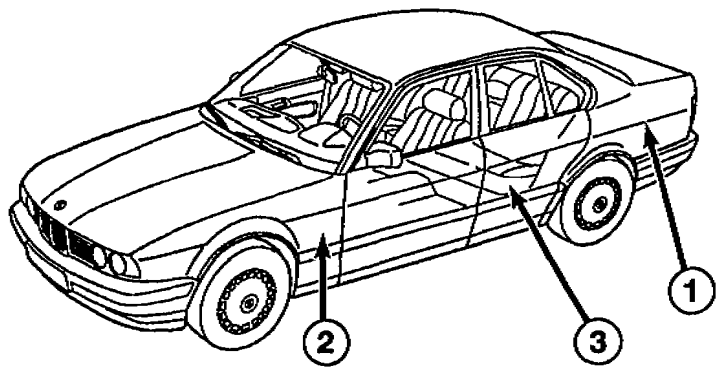
X1124



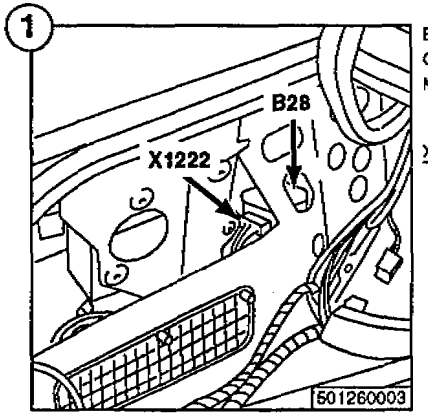
B6163
SECONDARY
AIR PUMP
VALVE

X6163

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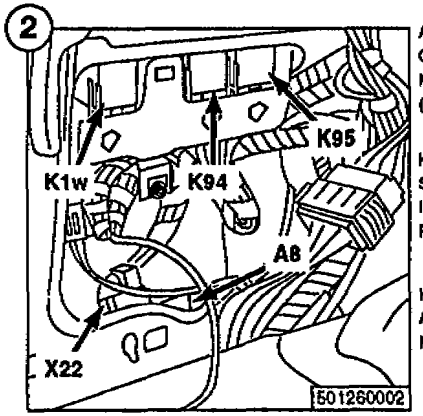
1



B28
GRADIENT
MONITOR (DWA)

X1222

2



A8
CRUISE CONTROL
MODULE
(TEMPOMAT)

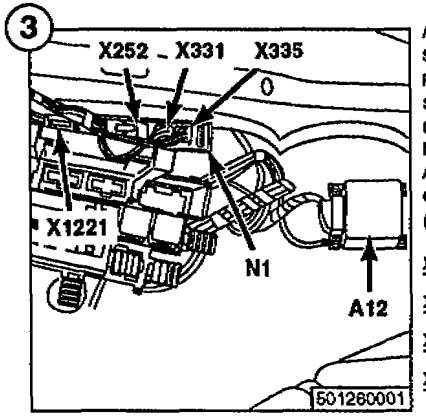
K1w
STARTER
IMMOBILIZATION
RELAY

K94
ABS PUMP
MOTOR RELAY

K95
VALVE RELAY
(ABS/ASC)

X22

3



A12
SUPPLEMENTAL
RESTRAINT
SYSTEM
CONTROL MODULE

N1
ANTI-THEFT
CONTROL MODULE
(DWA)

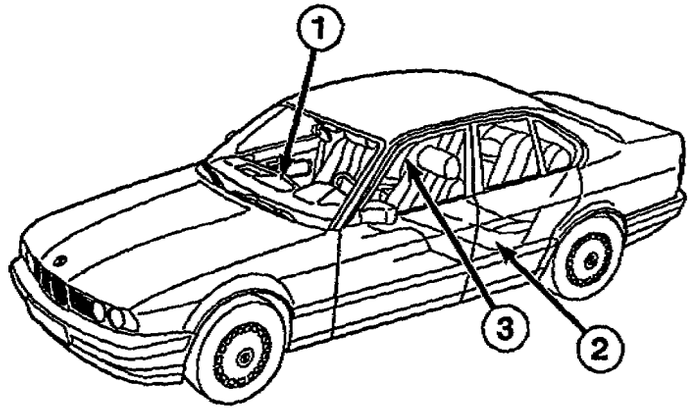
X252

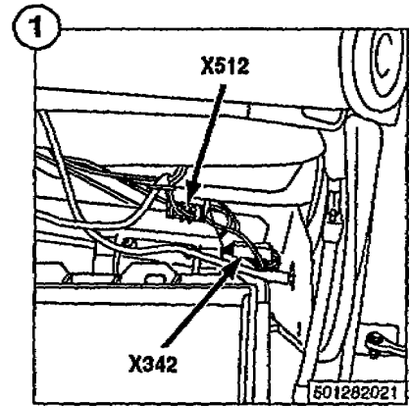
X331

X335

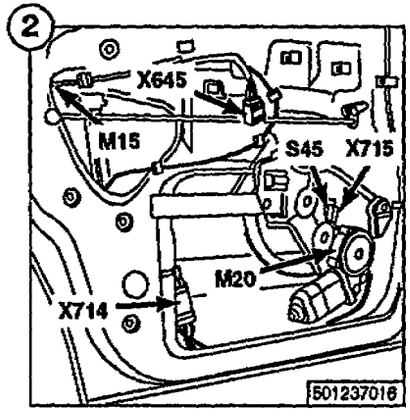
X1221

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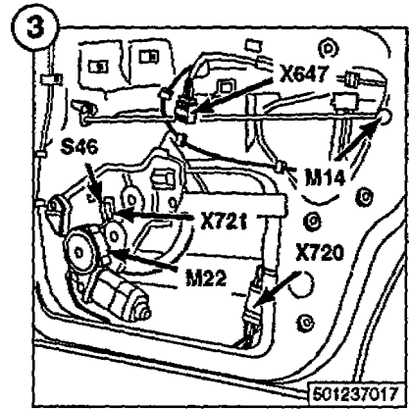
X342
X512



M15
LEFT REAR
DOOR LOCK
MOTOR
X645
X714
X715

M20
LEFT REAR
WINDOW MOTOR

S45
LEFT REAR
WINDOW LIMIT
SWITCH



M14
RIGHT REAR
DOOR LOCK
MOTOR
X647
X720
X721

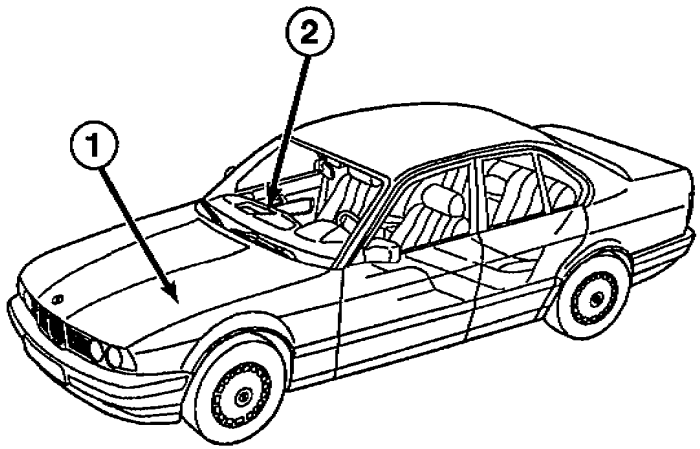
M22
RIGHT REAR
WINDOW MOTOR

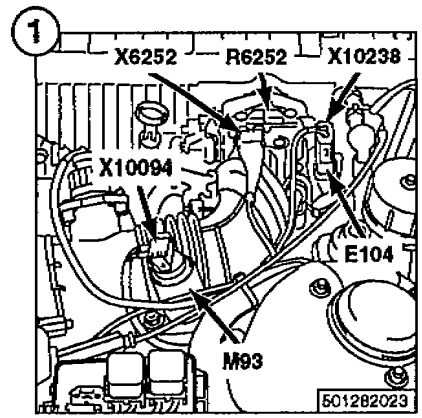
S46
RIGHT REAR
WINDOW LIMIT
SWITCH

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COMPONENT LOCATION VIEWS

ELECTRICAL CONTROL MODULE LOCATIONS



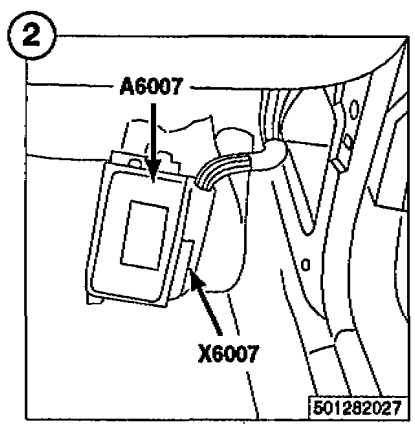


E104
THROTTLE FLAP HEATER

X6252
X10094
X10238

M93
AUXILIARY THROTTLE POSITION MOTOR (ADS)

R6252
THROTTLE POSITION SENSOR



A6007
ELECTRONIC THROTTLE CONTROL MODULE (ADS II)

X6007

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SPLICE LOCATION VIEWS

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X209	FRONT	8000.0-03
X210	FRONT	8000.0-03
X212	FRONT	8000.0-03
X213	FRONT	8000.0-03
X215	FRONT	8000.0-03
X217	FRONT	8000.0-03
X222-X225	FRONT	8000.0-03
X228	FRONT	8000.0-03
X239	FRONT	8000.0-03
X241	FRONT	8000.0-03
X245	FRONT	8000.0-03
X246	FRONT	8000.0-03
X276	FRONT	8000.0-03
X282	REAR	8000.0-05
X414	REAR	8000.0-05
X426	REAR	8000.0-05
X428	REAR	8000.0-05
X429	REAR	8000.0-05
X431	REAR	8000.0-05
X433	REAR	8000.0-05
X435	REAR	8000.0-05
X439	REAR	8000.0-05
X441-X445	REAR	8000.0-05
X448-X451	REAR	8000.0-05
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X475	REAR	8000.0-05
X479	REAR	8000.0-05
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X1023	FRONT	8000.0-03
X1029	FRONT	8000.0-03
X1033	FRONT	8000.0-03
X1036	FRONT	8000.0-03
X1043	FRONT	8000.0-03
X1047	FRONT	8000.0-03
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X1092-X1095	FRONT	8000.0-03

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X1225	INSTRUMENT	8000.0-04
X1226	REAR	8000.0-05
X1228	REAR	8000.0-05
X1256-X1258	REAR	8000.0-05
X1294	REAR	8000.0-05
X1304	REAR	8000.0-05
X1306	REAR	8000.0-05
X1362	REAR	8000.0-05
X1366	REAR	8000.0-05
X1367	REAR	8000.0-05
X1402	INSTRUMENT	8000.0-04
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X6420	M50 ENGINE	8000.0-08
X6458	M60 ENGINE	8000.0-07
X6459	M60 ENGINE	8000.0-07
X6459	M50 ENGINE	8000.0-08
X6475	M60 ENGINE	8000.0-07
X6475	M50 ENGINE	8000.0-08
X6491	M60 ENGINE	8000.0-07
X6810	M60 ENGINE	8000.0-07
X6810	M50 ENGINE	8000.0-08
X6820	M60 ENGINE	8000.0-07
X6820	M50 ENGINE	8000.0-08
X6821	M60 ENGINE	8000.0-07
X6821	M50 ENGINE	8000.0-08
X6822	M50 ENGINE	8000.0-08
X6825	M60 ENGINE	8000.0-07
X6824	M50 ENGINE	8000.0-08
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X6863	M50 ENGINE	8000.0-08
X6863	M60 ENGINE	8000.0-07
X6866	M60 ENGINE	8000.0-07

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SPLICE LOCATION VIEWS

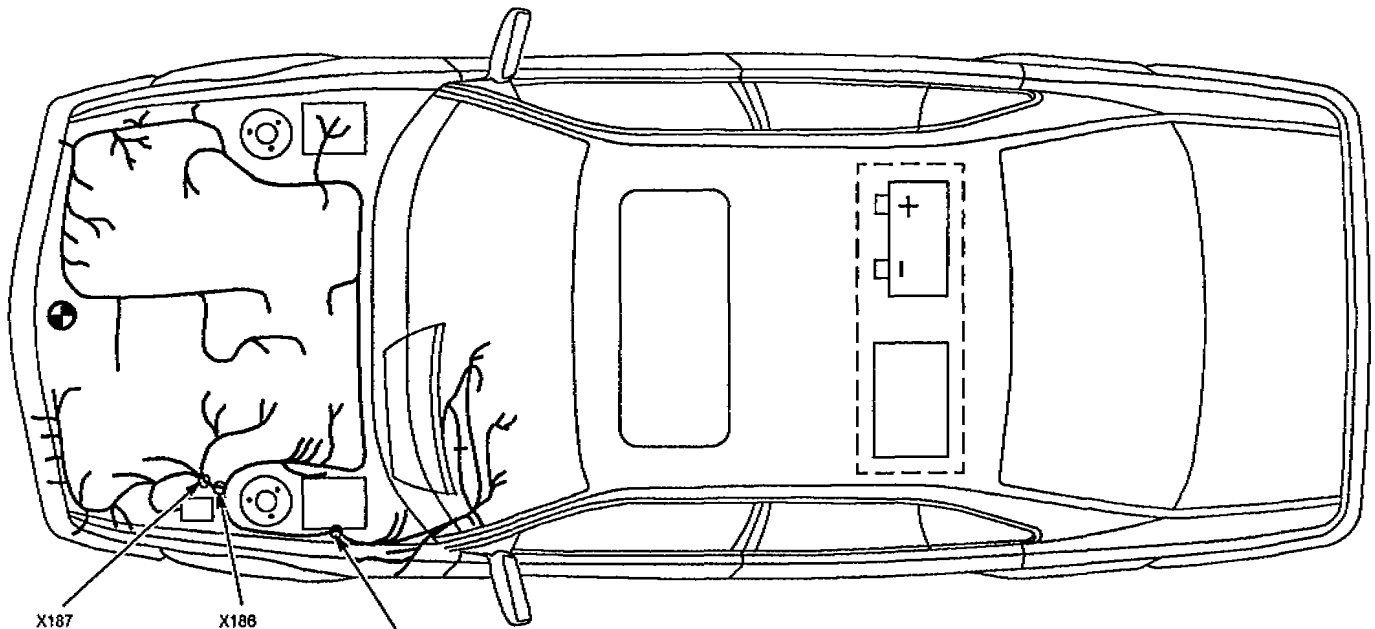
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X10093	FRONT	8000.0-03
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X11248	FRONT	8000.0-03
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X11252	FRONT	8000.0-03
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SPLICE LOCATION VIEWS

FRONT HARNESS

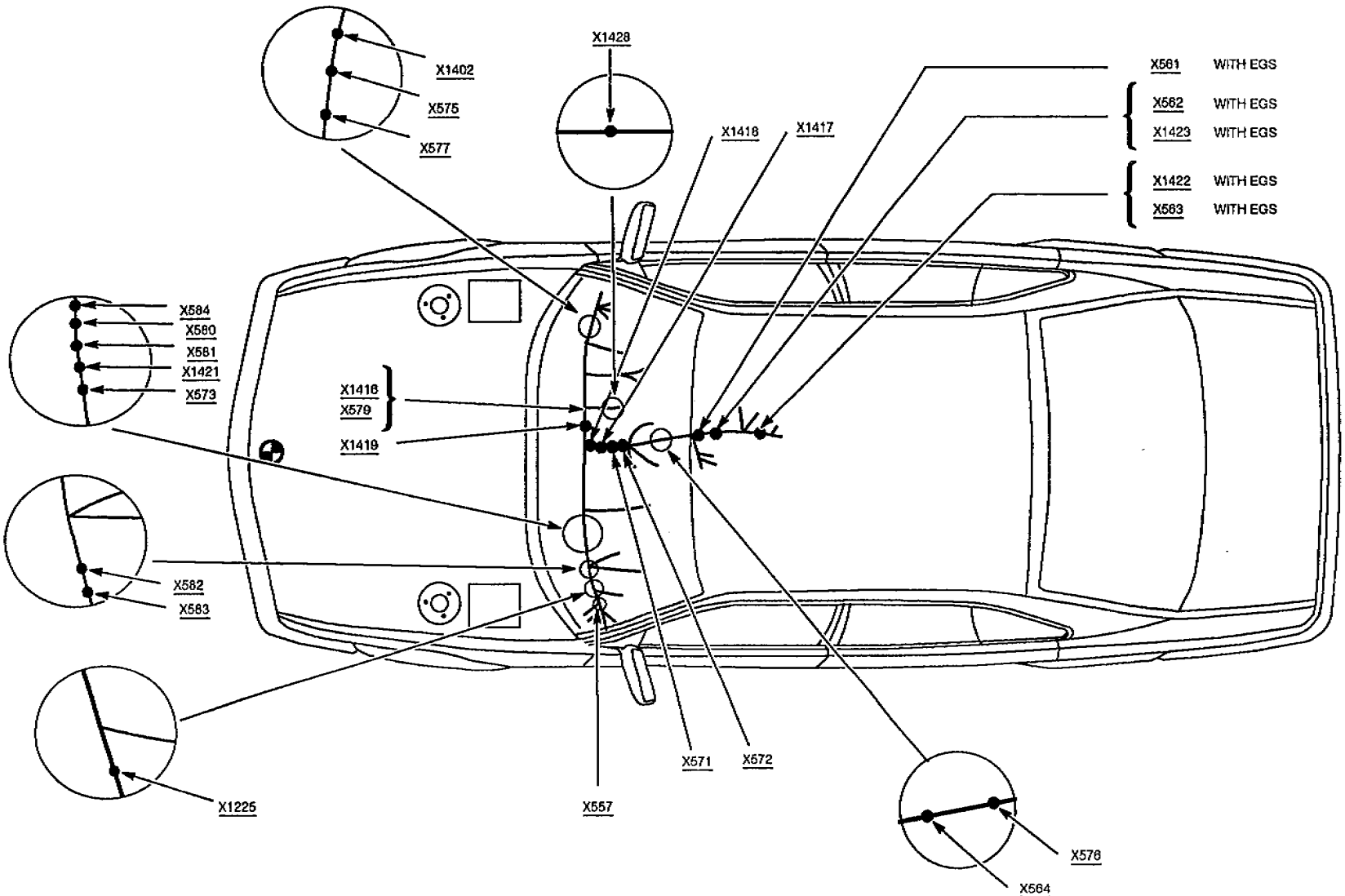


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SPLICE LOCATION VIEWS

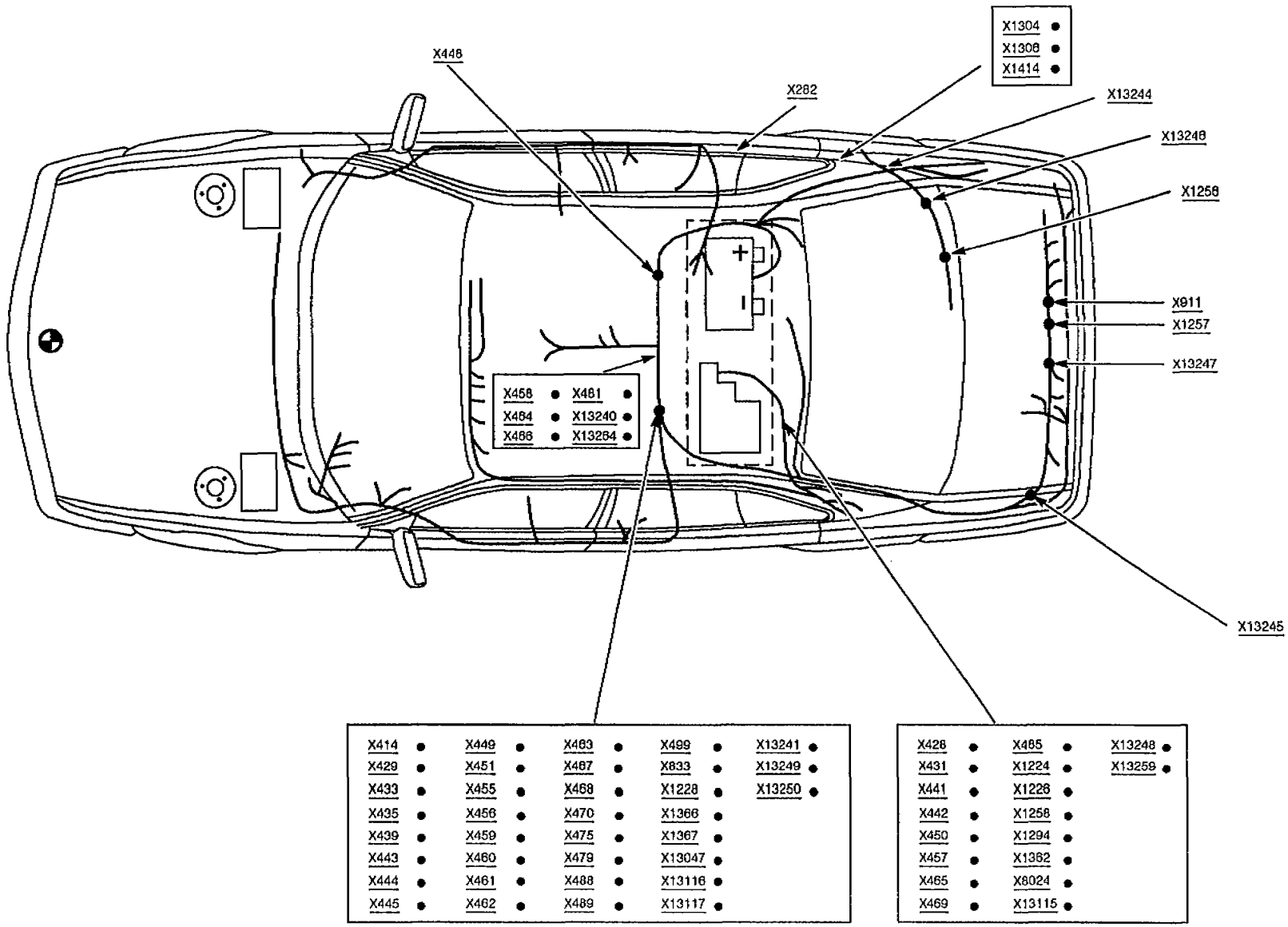
INSTRUMENT HARNESS



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SPLICE LOCATION VIEWS

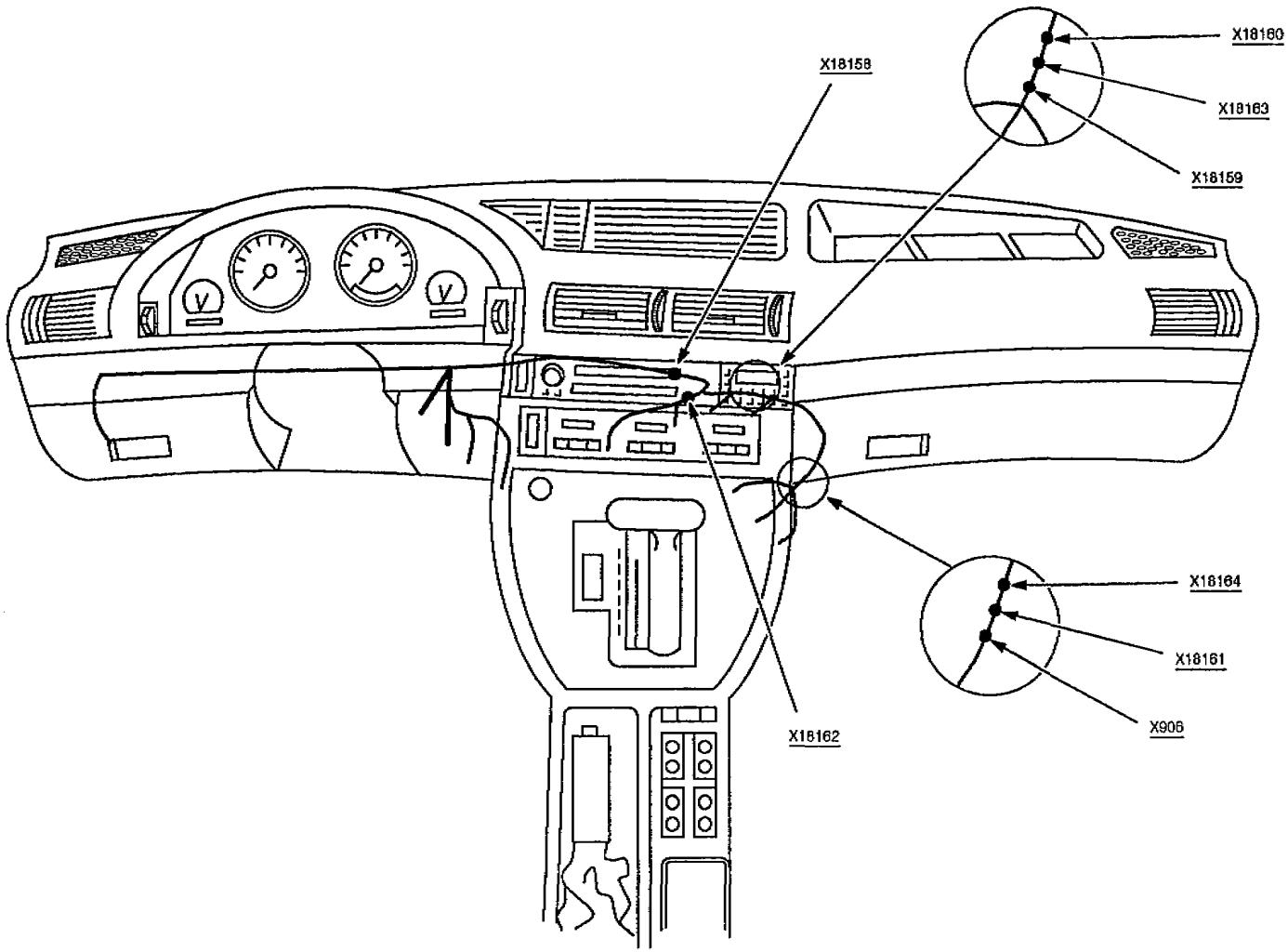
REAR HARNESS



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SPLICE LOCATION VIEWS

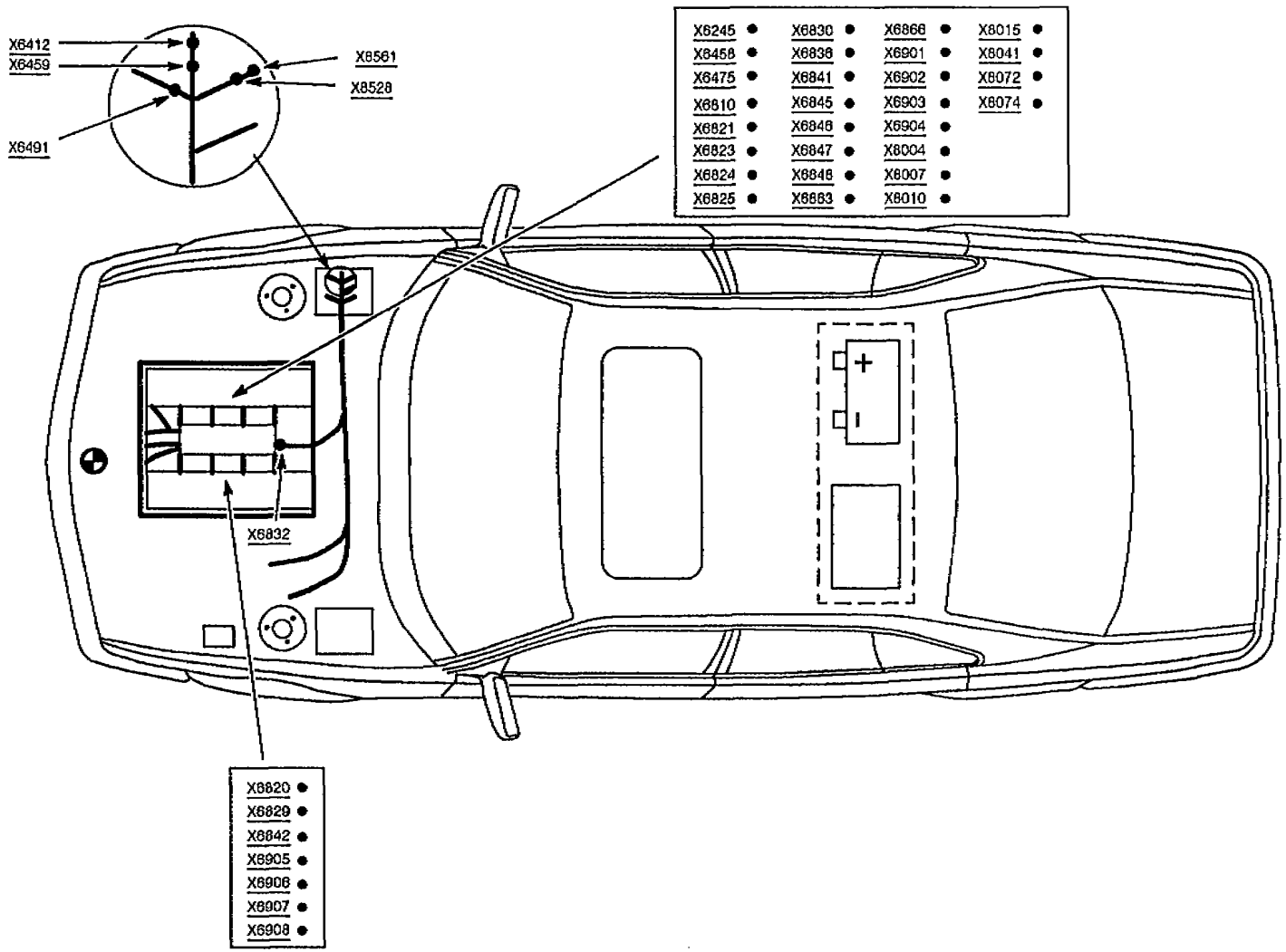
IHKR/F3



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SPLICE LOCATION VIEWS

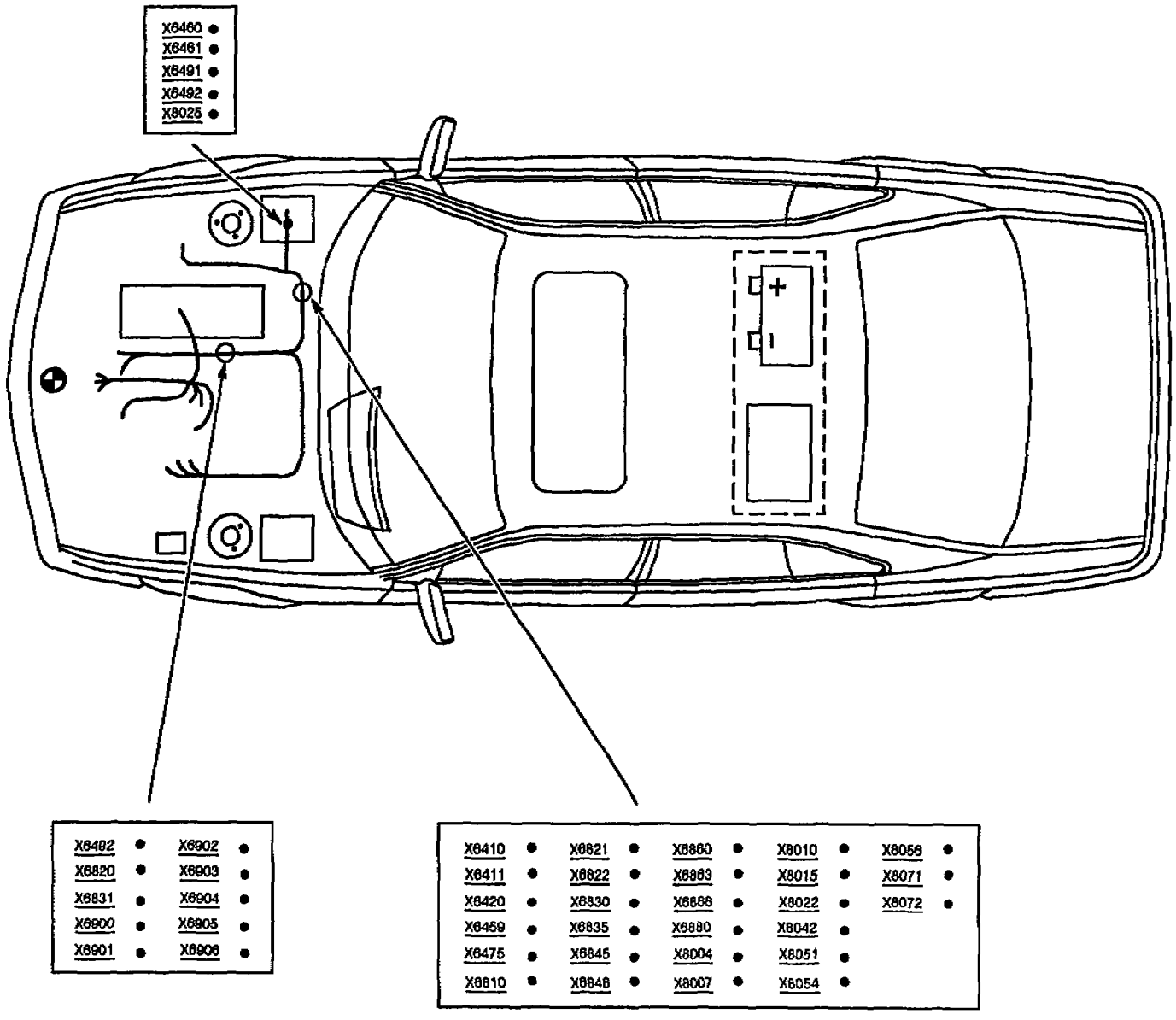
M60 HARNESS



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SPLICE LOCATION VIEWS

M50 ENGINE HARNESS



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FIG. 1

B550001.00

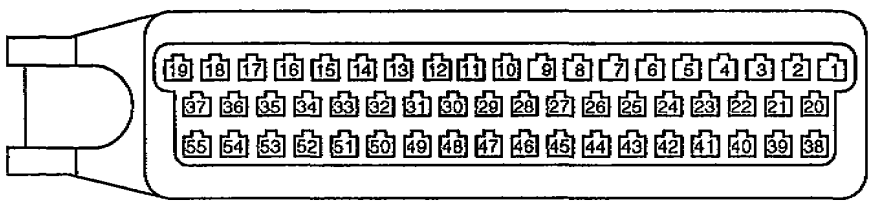


FIG. 2

B350001.00

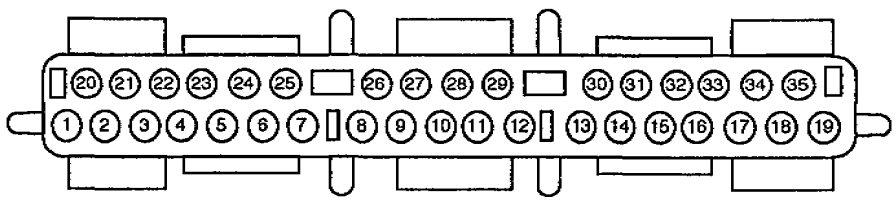


FIG. 3

B350002.00

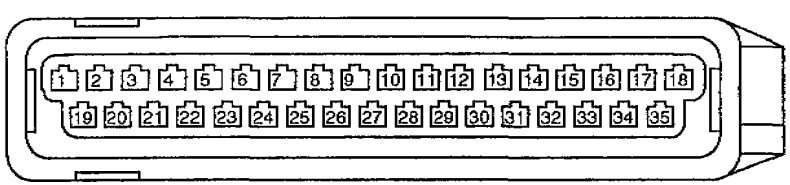
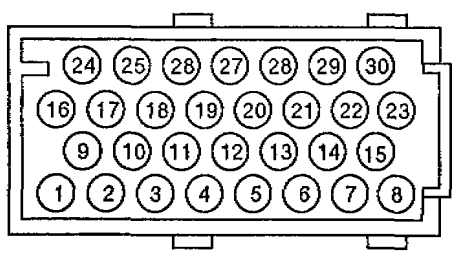


FIG. 4

B300001.00



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CONNECTOR VIEWS

FIG. 1

B260002.00

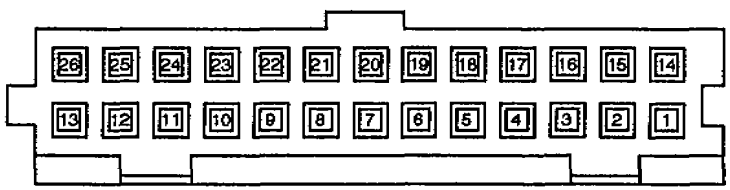


FIG. 2

B180002.00

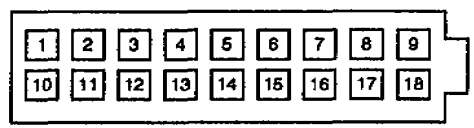


FIG. 3

B210001.00

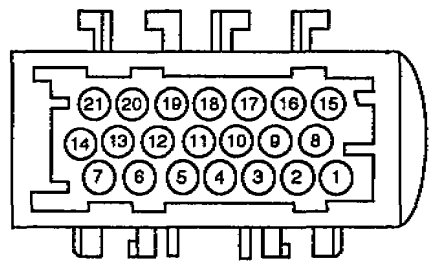


FIG. 4

B240001.00

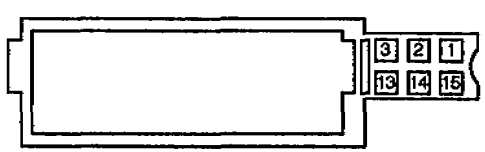


FIG. 5

B080003.00

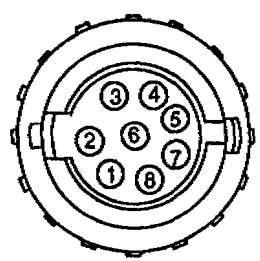
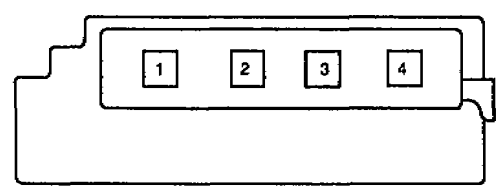


FIG. 6

B040020.01



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CONNECTOR VIEWS

FIG. 1

B120002.02

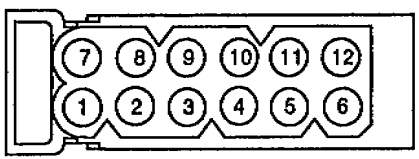


FIG. 2

B250003.00

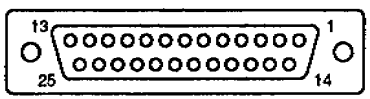


FIG. 3

B090001.00

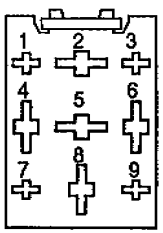


FIG. 4

B050005.00

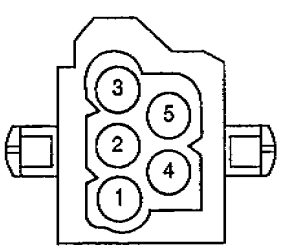


FIG. 5

B030006.00

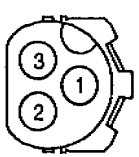
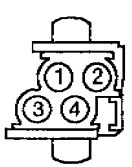


FIG. 6

B040003.00



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CONNECTOR VIEWS

FIG. 1

B080002.00

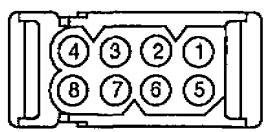


FIG. 2

B050006.00

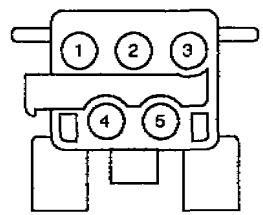


FIG. 3

B030001.00

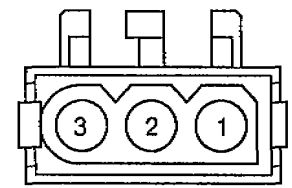


FIG. 4

B250001.00

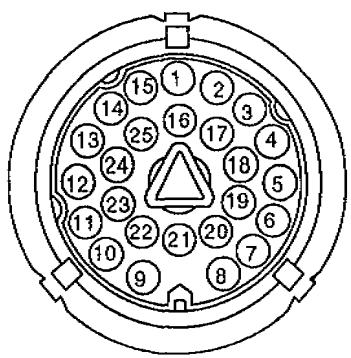


FIG. 5

B030015.10

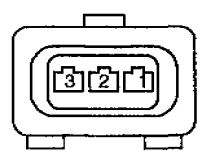
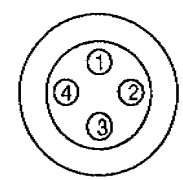


FIG. 6

B040006.03



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CONNECTOR VIEWS

FIG. 1

B060017.00

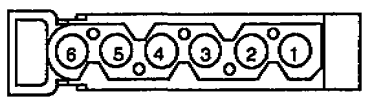


FIG. 2

B170001.00

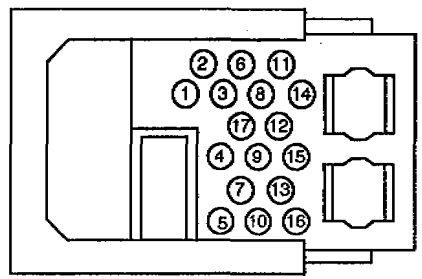


FIG. 3

B030004.04

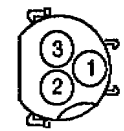


FIG. 4

B080006.00

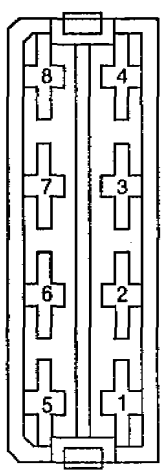


FIG. 5

B030012.00

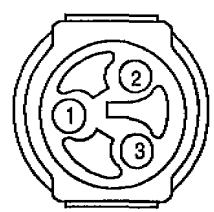
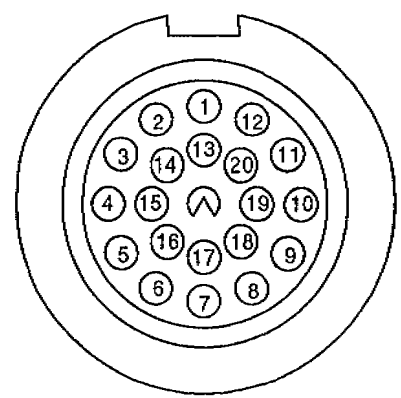


FIG. 6

B200003.01



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CONNECTOR VIEWS

FIG. 1

B030022.00

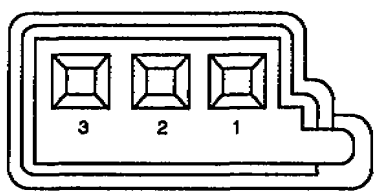


FIG. 2

B030003.04

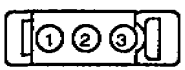


FIG. 3

B060013.00

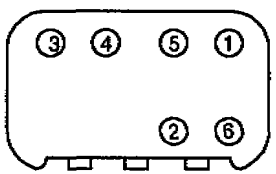


FIG. 4

B060002.00

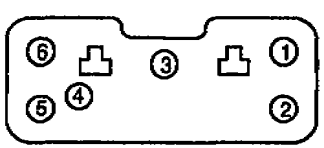


FIG. 5

B060002.00

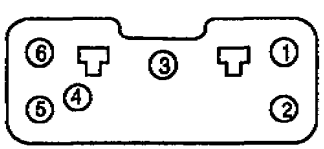
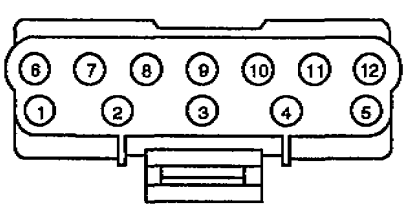


FIG. 6

B120006.00



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CONNECTOR VIEWS

FIG. 1

B030023.00

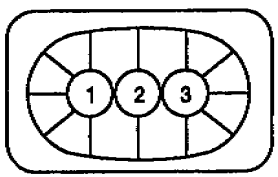


FIG. 2

B050003.00

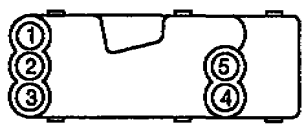


FIG. 3

B040004.00

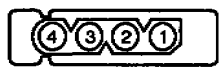


FIG. 4

B120004.01

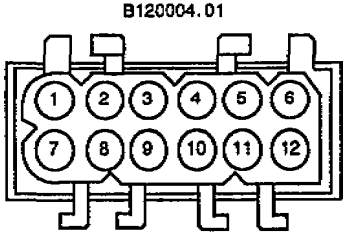


FIG. 5

B040002.00

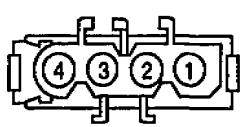
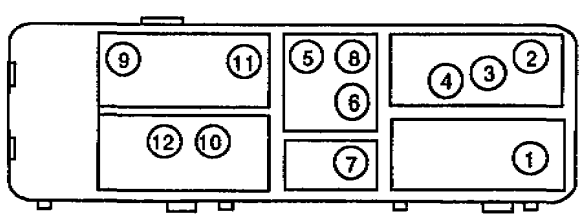


FIG. 6

B120008.00



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CONNECTOR VIEWS

FIG. 1

B030030.00

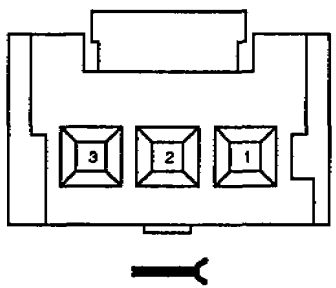


FIG. 2

B300003.00

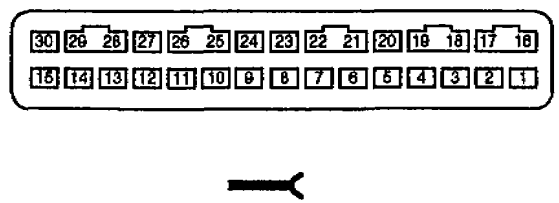


FIG. 3

B060005.10

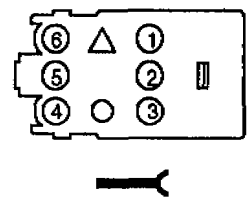


FIG. 4

B060005.07

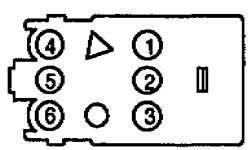


FIG. 5

B030009.00

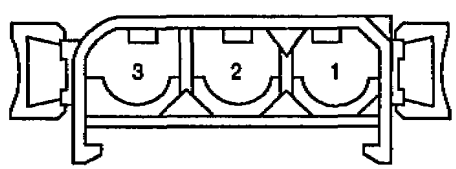
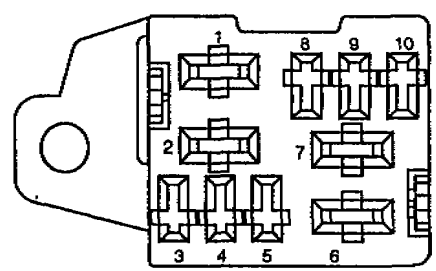


FIG. 6

B100004.00



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CONNECTOR VIEWS

FIG. 1

B210002.00

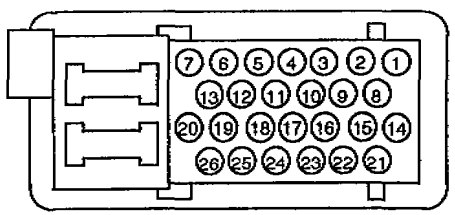


FIG. 2

B120011.00

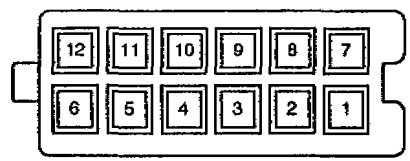


FIG. 3

B120011.00

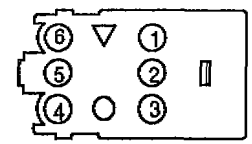


FIG. 4

B200001.00

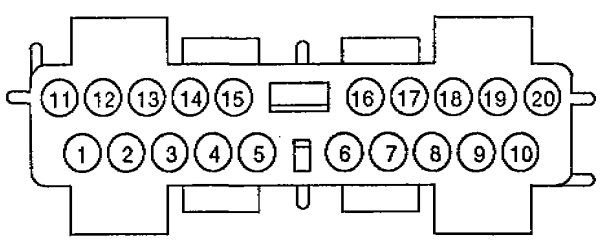


FIG. 5

B030015.08

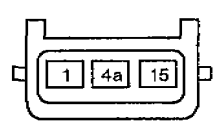
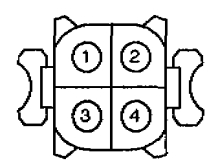


FIG. 6

B040010.00



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CONNECTOR VIEWS

FIG. 1

B100008.00

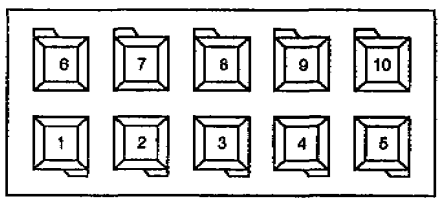


FIG. 2

B060023.00

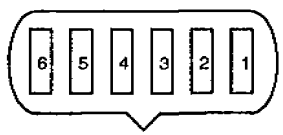


FIG. 3

B050002.00

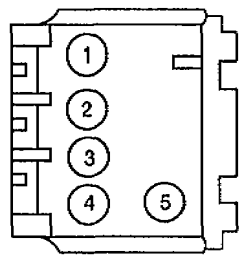


FIG. 4

B060043.00

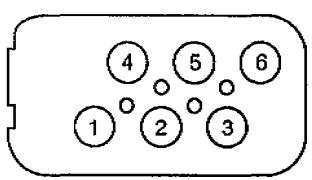


FIG. 5

B030022.00

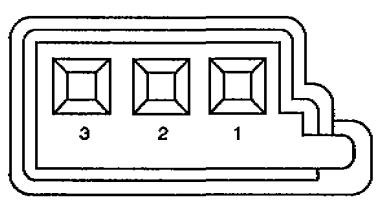
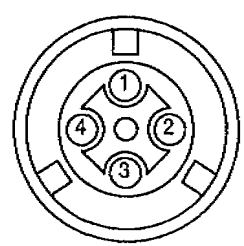


FIG. 6

B040016.00



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CONNECTOR VIEWS

FIG. 1

B060019.00

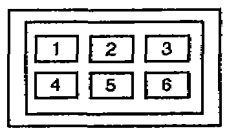


FIG. 2

B060019.03

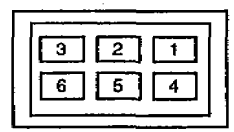


FIG. 3

B120003.01

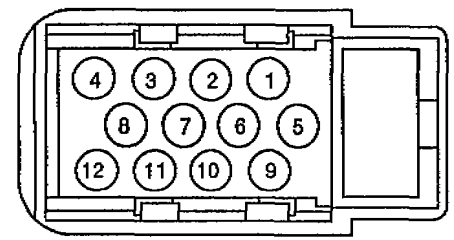


FIG. 4

B260005.00

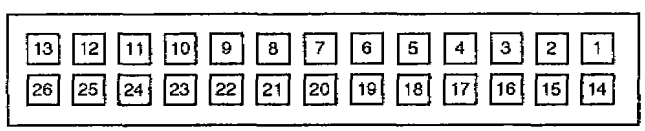
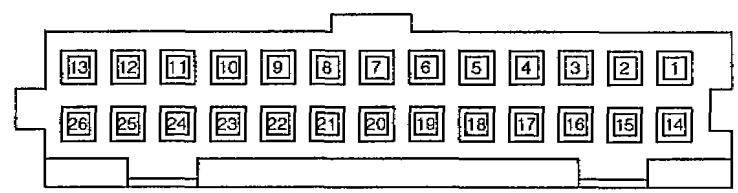


FIG. 5

B260002.00



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CONNECTOR VIEWS

FIG. 1

B160001.00

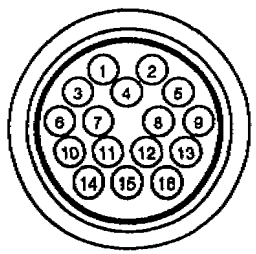


FIG. 2

B080001.00

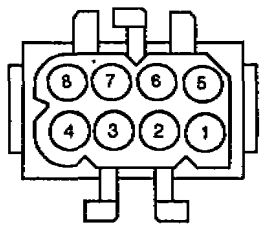


FIG. 3

B180000.00

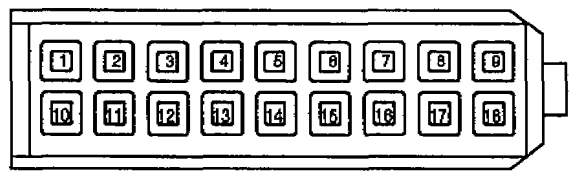


FIG. 4

B070005.00

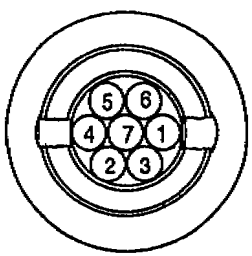


FIG. 5

B040018.01

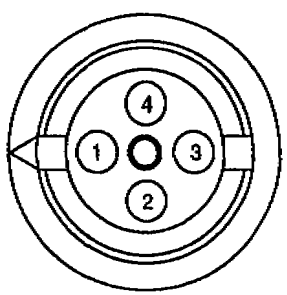
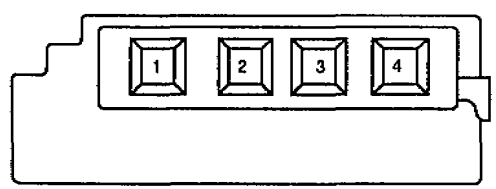


FIG. 6

B040020.00



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FIG. 1

B880001.00

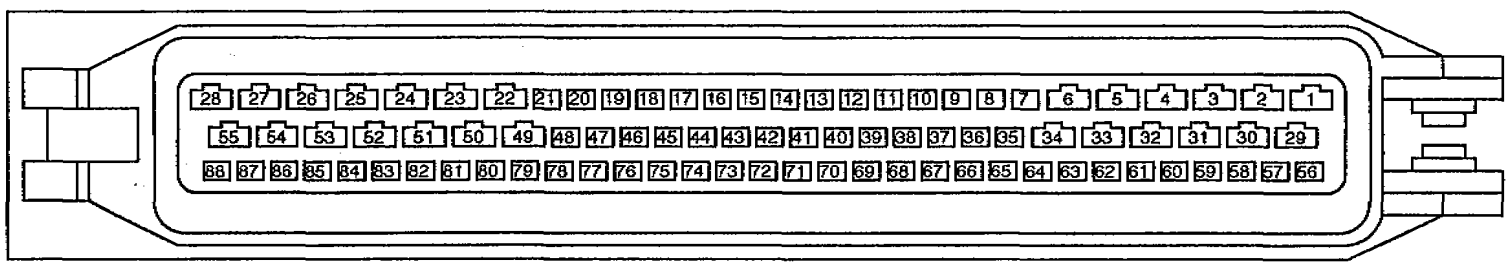


FIG. 2

B030042.00

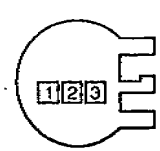
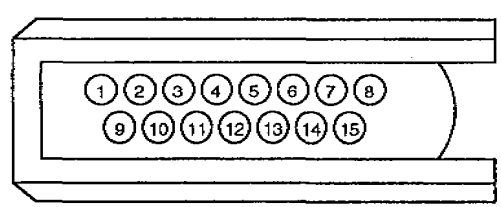


FIG. 3

B150008.00



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