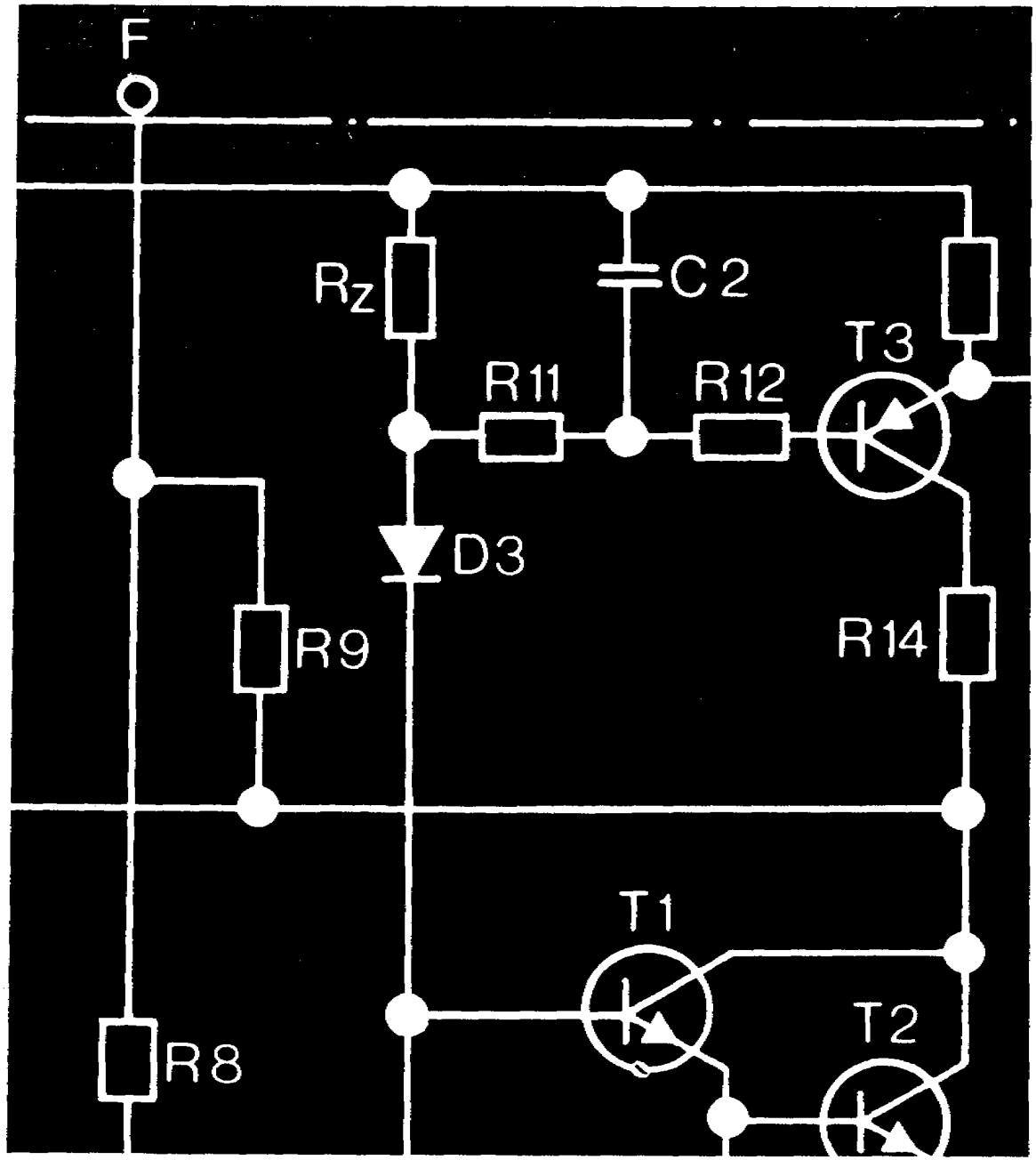


1989
BMW 525i/535i (E34)
Electrical
Troubleshooting
Manual
6/88 Production Through 2/89

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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.

Important: The components and wires are not drawn to scale. For instance, a lead with a length of over 1 m can be shown as a lead which is only a few cm long.

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

Section **7100.0 Component Location Views** shows the locations of connectors and components which are difficult to localize in photographs. *-This section is not included in the first issue and will be supplied as a supplement.-*

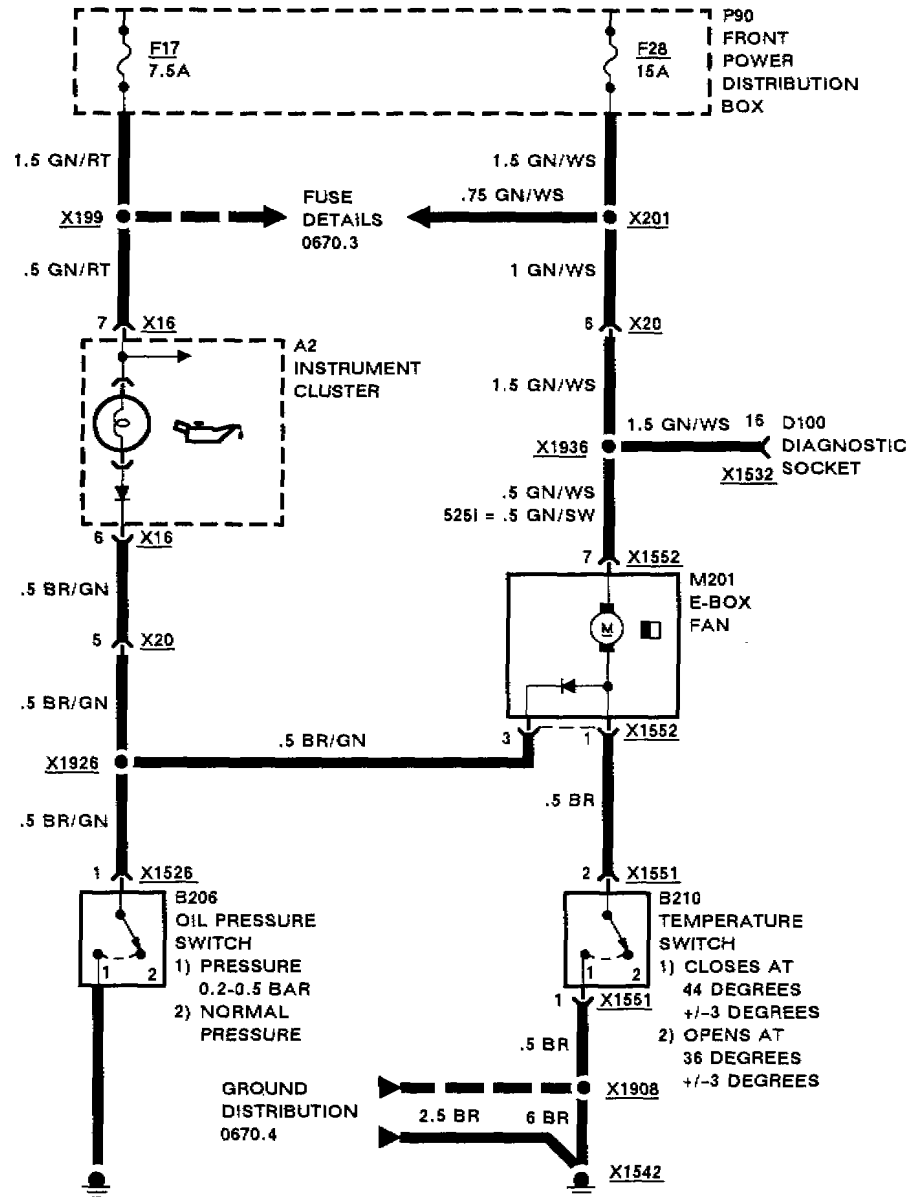
Section **8500.0 Connector Views** provides diagrams of all connectors with more than three units.

Example

The following example shows how to read the schematic of the E-box fan.

The diagnostic procedure number for the E-box fan is listed in the index.

The schematic shows the following: (see schematic example)



source: www.ow.no

With the ignition on (terminal 15), voltage is applied via fuse F28 at pin 2 of the E-box fan and via fuse F17 at pin 7 of the instrument cluster. When the temperature switch closes at a temperature above 44 °C, or the oil pressure switch at a pressure below 0.2 bar, ground is switched through to the E-box fan. The power circuit is closed and the fan operates. When the oil pressure switch is closed (oil pressure too low), ground is additionally connected to pin 6 of the instrument cluster and the oil pressure warning lamp lights in the instrument cluster.

General conventions can be explained based on this schematic example.

General conventions

1. Switches are always shown in rest position (e.g. B206 and B210).
2. A component shown in a dashed frame signifies that the component is illustrated only in part (e.g. P90 and A2).
3. A component shown in a completely drawn frame signifies that the component is illustrated in full (e.g. M201, B206 and B210).
4. The dashed line between pin 1 and pin 3 at connector X1552 indicates that both pins belong to connector X1552.
5. The dashed line with an arrow at connector X199 indicates that several wires lead to connector X199. All lines leading to a connection are illustrated in section 0670.3 Fuse Details.
6. The uninterrupted line with an arrow at connector X201 indicates that the 0.75 GN/WS wire leads to another circuit. Section 0670.3 Fuse Details shows to which circuit the wire belongs.
7. The dashed lines with arrows at connections X1908 and X1542 indicate that ground is applied. Refer to section 0670.4 Ground Distribution for complete illustration of the line layout. The dashed line to connector X1908 also indicates that several wires lead to this connection.

A complete list of all symbols used can be found in section **0140.0 Symbols.**

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TROUBLESHOOTING PROCEDURES

Diagnostic procedures for many of the circuits in this manual are included with the schematics. These procedures are based on a logical problem-solving method. The steps listed below are provided for those circuits that do not include diagnostic procedures. Following these steps will enable you to make a quick diagnosis of the problem.

1. **Verify the Problem**

   Operate the problem circuit to check the accuracy of the complaint. Note the symptoms of the inoperative circuit.

2. **Analyze the Problem**

   Refer to the schematic of the problem circuit in the ETM. Determine how the circuit is supposed to work by tracing the current path(s) from the power feed through the circuit components to ground. Then, based on the symptoms you noted in step 1 and your understanding of circuit operation, identify one or more causes of the problem.

3. **Isolate the Problem**

   Make circuit tests to prove or disprove the preliminary diagnosis made in step 2. Keep in mind that a logical, simple procedure is the key to efficient troubleshooting. Test for the most likely cause of failure first. Try to make tests at points which are easily accessible.

4. **Repair the Problem**

   Once the specific problem is identified, make the repair using the proper tools and safe procedures.

5. **Check the Problem**

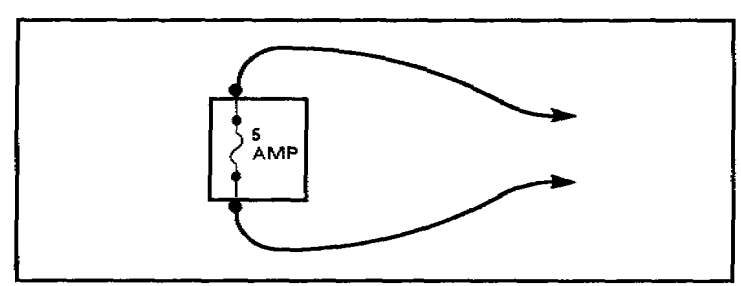
   Operate the circuit to check for satisfactory circuit operation. Good repair practice calls for rechecking all circuits you have worked on.

TROUBLESHOOTING TOOLS

Isolating the problem (Step 3 of TROUBLESHOOTING PROCEDURES) requires the use of a voltmeter and/or ohmmeter. A voltmeter measures voltage at selected points in a circuit. An ohmmeter measures a circuit's resistance to current flow. It has an internal battery that provides current to the circuit under test. Disconnect the car battery when using an ohmmeter because the battery voltage will cause the ohmmeter to give false readings. Also, do not use an ohmmeter on solid-state components. The voltage that the ohmmeter applies to the circuit could damage these components.

Fused Jumper Wire

A jumper wire is made up of an in-line fuse holder connected to a set of test leads. It should have a five ampere fuse. Use it for bypassing open circuits. Never use a jumper wire across any load (motors, etc.). This direct battery short will blow the fuse.



Fused Jumper Wire

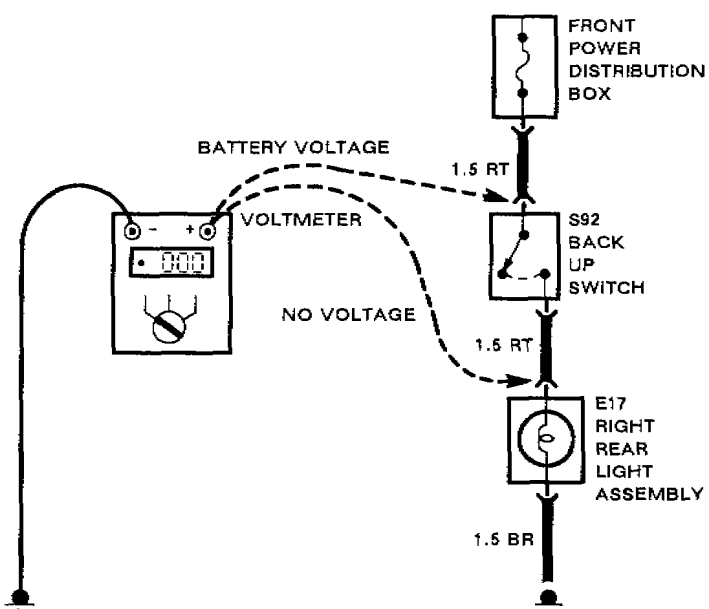
source: www.ow.no

TROUBLESHOOTING TESTS

Voltage Test

This test measures voltage in a circuit. By taking measurements at several points (terminals or connectors) along the circuit, you can isolate the problem.

To take a voltage measurement, connect the negative lead of the voltmeter to the battery's negative terminal or other known good ground. Then connect the positive lead of the voltmeter to the point you want to test. The voltmeter will measure the voltage present at that point in the circuit.

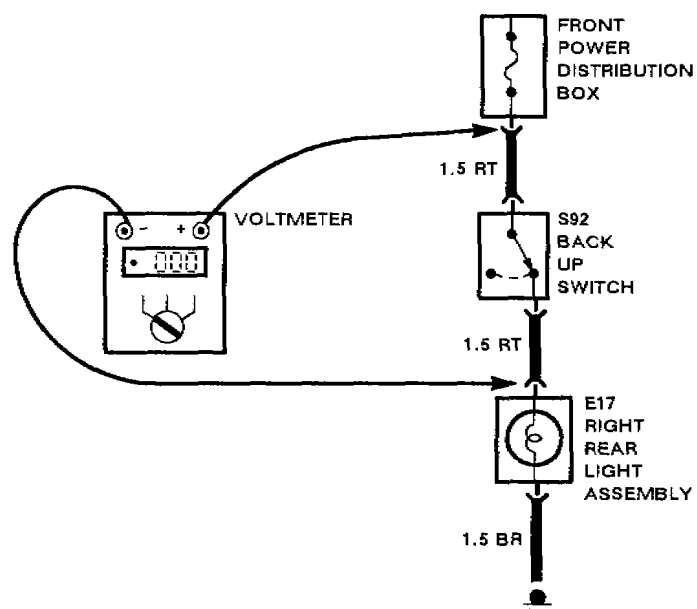


Voltage Test

Voltage Drop Test

Wires, connectors and switches are designed to conduct current with a minimum loss of voltage. A voltage drop of more than one volt indicates a problem.

To test for voltage drop, connect the voltmeter leads to connectors at either end of the circuit's suspected problem area. The positive lead should be connected to the connector closest to the power source. The voltmeter will show the voltage drop between these two points. Any switches in the circuit should be on during this test.

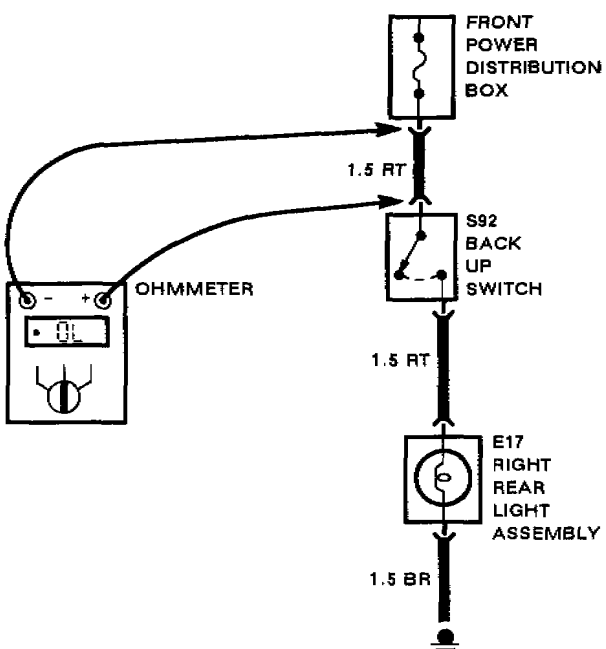


Voltage Drop Test

source: www.ow.no

Continuity Test

To perform a continuity test, first disconnect the car battery. Then, while holding the leads together, adjust the ohmmeter to read zero. Connect the ohmmeter leads to connector or terminals at either end of the circuit's suspected problem area. The ohmmeter will show the resistance across that part of the circuit.

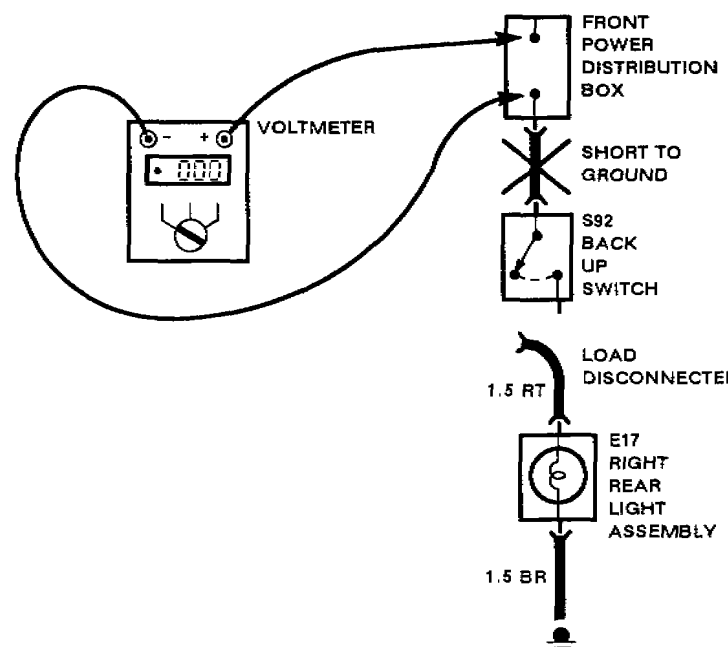


Continuity Test

Short Test Using Voltmeter

To locate a wiring short to ground, remove the blown fuse and disconnect the load. Connect the voltmeter leads to the fuse terminals. The positive lead should be connected to the terminal closest to the power source.

Starting near the FRONT POWER DISTRIBUTION BOX, move the wire harness back and forth and watch the voltmeter reading. If the voltmeter registers a reading, there is a short to ground in the wiring. Somewhere in the area of the harness being moved, the wire insulation is worn away and the circuit is grounding.

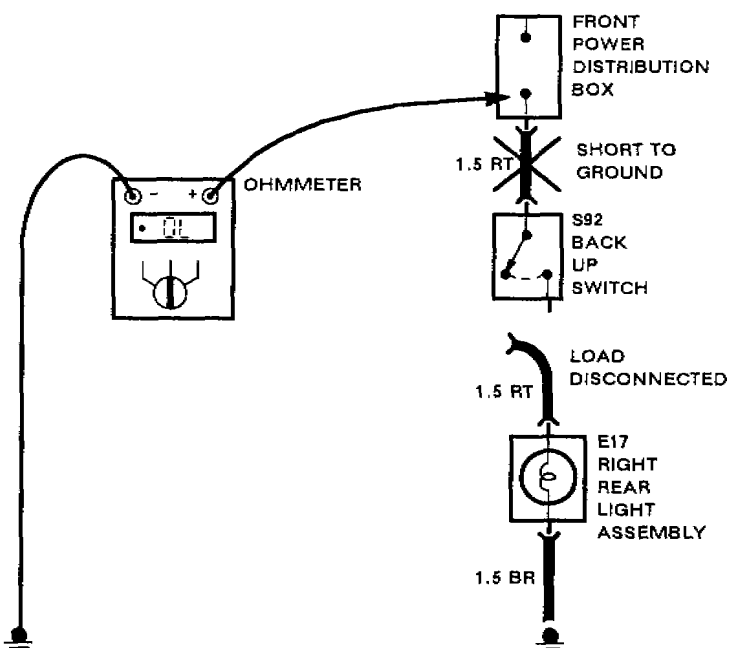


Short Test Using Voltmeter

source: www.ow.no

Short Test Using Ohmmeter

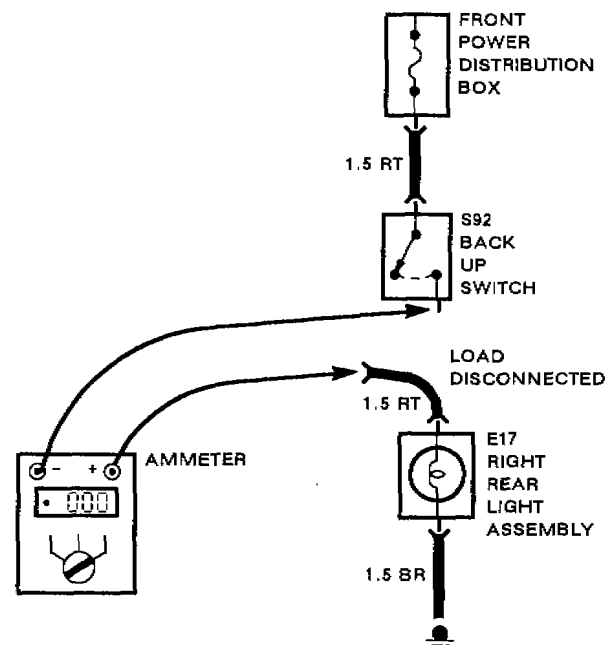
Disconnect the battery. While holding the leads together, adjust the ohmmeter to read zero. Remove the blown fuse and disconnect the load. Connect one lead of the ohmmeter to the fuse terminal that is closest to the load. Connect the other lead to a known good ground. Starting near the FRONT POWER DISTRIBUTION BOX, move the wire harness back and forth and watch the ohmmeter reading. Low or no resistance indicates a short to ground in the wiring. Infinitely high resistance indicates no short.



Short Test Using Ohmmeter

Current Test Using Ammeter

To measure the current, connect the ammeter leads to the connector or terminals in series with the circuit. The ammeter will show the current through the circuit.



Current Test Using Ammeter

source: www.ow.no

Wiring test with analogscope

Measuring Instrument: BMW SERVICE TESTER

Test leads: FREQ OFF (+), blue
Terminal 1, black
D+, blue

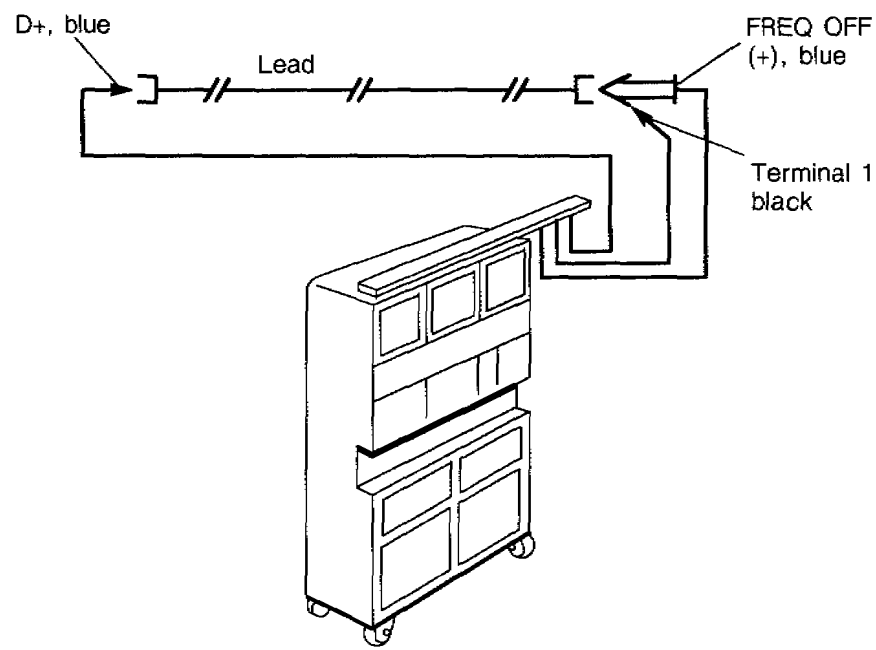
Interruptions which occur briefly are measured. Connect universal test lead and leads for frequency testing to the BMW SERVICE TESTER.

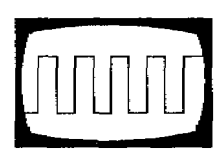
A frequency is applied via the end of the wire to be tested. It is then measured with the analogscope at the other end. Move the wire harness back and forth during testing.

If the wire is OK, the analogscope will indicate a square wave signal with a uniform progression. In the case of fault, the signal will be unevenly interrupted.

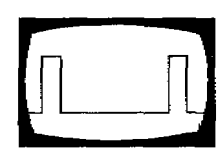
Operation: [M] for multimeter, 22 for analogscope, 13 for frequency output. Apply any frequency and then press acknowledgement button twice.

Wiring test with analogscope





Correct display
on analog scope



Display when
a break occurs

source: www.ow.no

Potentiometer test with analogscope

Measuring Instrument: BMW SERVICE TESTER

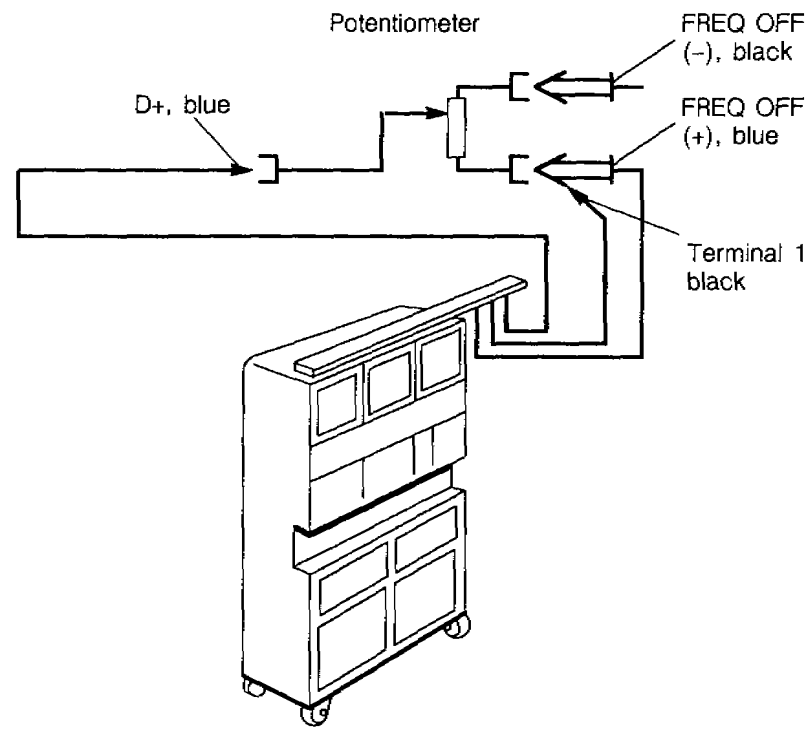
Test leads:
FREQ OFF (+), blue
FREQ OFF (–), black
Terminal 1, black
D+, blue

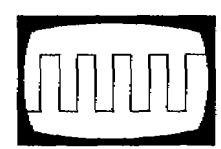
Similar to the wiring test with the analogscope. In this case, however, the measurement is read off at the wiper tap.

To conduct the test, move the potentiometer through its entire measuring range. If the potentiometer is faulty, the square wave signal on the analogscope will be unevenly interrupted.

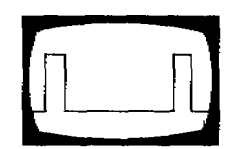
Operation: [M] for multimeter, 22 for analogscope, 13 for frequency output. Apply any frequency and press acknowledgement button twice.

Potentiometer test with analogscope





Correct display on analog scope



Display when a break occurs

source: www.ow.no

Simulating speed signal

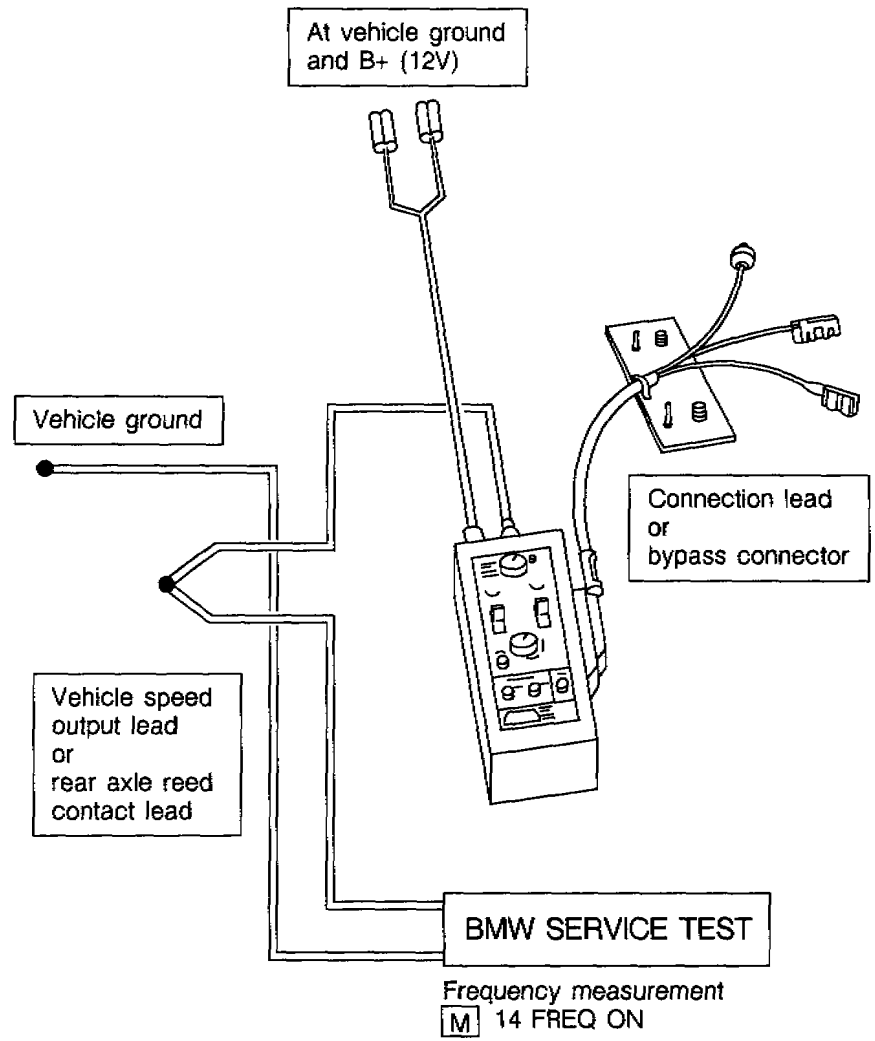
Measuring equipment: BMW Simulator for instrument cluster and BMW SERVICE TESTER

Test leads (tester): FREQ ON (+), yellow
FREQ ON (–), black

The speed signal can be entered continuously variable with the BMW simulator for the instrument cluster.

Connect 25-pole bypass connector for frequency simulation (or connection lead for instrument test) to the simulator. Connect the power supply lead of the simulator to the vehicle battery. Connect frequency output of the simulator with the vehicle wire for the speed signal (speedometer A-wire or wire at rear axle reed contact). Set frequency at the simulator.

The frequency can also be measured with the BMW SERVICE TESTER. Connect FREQ ON (–) lead to vehicle ground. Connect FREQ ON (+) lead in parallel to the frequency output of the simulator. [M] Select 14 frequency test, the set frequency is indicated.



source: www.ow.no

SYMBOLS

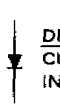

BATTERY

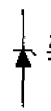

FUSE


CIRCUIT BREAKER


VARIABLE RESISTANCE SENSOR
VARIABLE CONTACT IS MOVED BY AN EXTERNAL FORCE


VARIABLE RESISTOR
RESISTANCE IS CHANGED BY TEMPERATURE OR PRESSURE


DIODE
CURRENT CAN FLOW ONLY IN DIRECTION OF ARROW


ZENER DIODE
TO REGULATE VOLTAGE

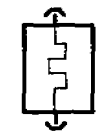

LIGHT EMITTING DIODE

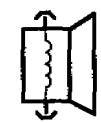

LIGHT


BIFILAMENT LIGHT


PERMANENT MAGNET MOTOR ONE SPEED

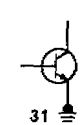

PERMANENT MAGNET MOTOR TWO SPEED


HEATING ELEMENT


LOUDSPEAKER OR HORN

COIL OR SOLENOID

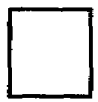
SOLENOID CONTROLLER VALVE OR CLUTCH SOLENOID



TRANSISTORIZED SWITCH

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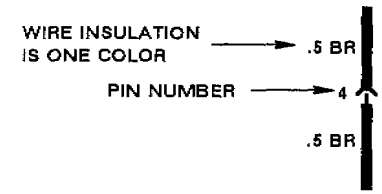
SYMBOLS

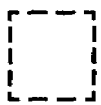


ENTIRE COMPONENT SHOWN

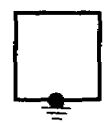


CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)

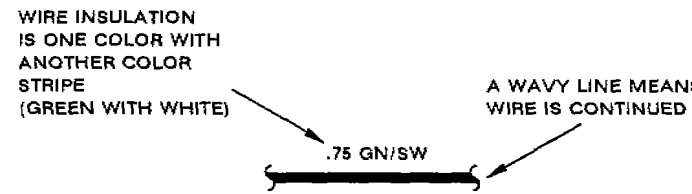


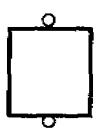


PART OF A COMPONENT SHOWN

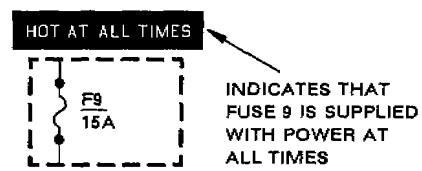


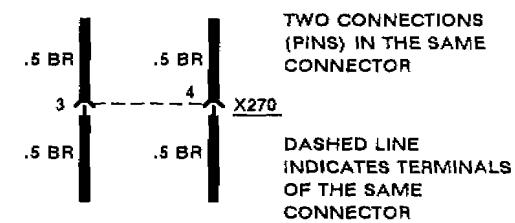
COMPONENT CASE DIRECTLY ATTACHED TO METAL PART OF CAR (GROUNDED)

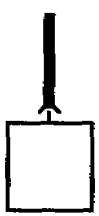




COMPONENT WITH SCREW TERMINALS

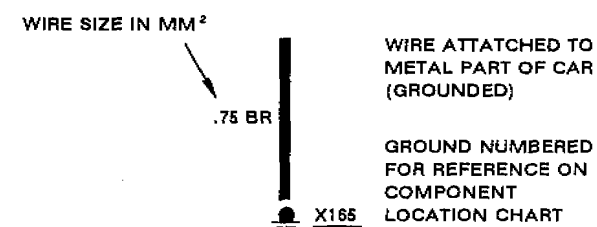






CONNECTOR ATTACHED TO COMPONENT

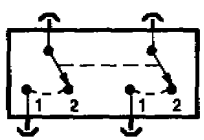
TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START
30	VOLTAGE: SUPPLIED AT ALL TIMES
15	VOLTAGE: IGNITION SWITCH IN RUN OR START
15E	VOLTAGE: IGNITION SWITCH IN RUN
R	VOLTAGE: IGNITION SWITCH IN ACCESSORY, RUN OR START



source: www.ow.no

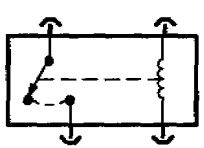


ONE POLE,
TWO POSITION
SWITCH



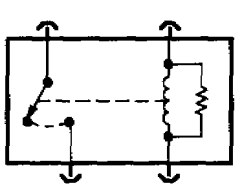
SWITCHES THAT MOVE TOGETHER

DASHED LINE SHOWS A MECHANICAL CONNECTION BETWEEN SWITCHES

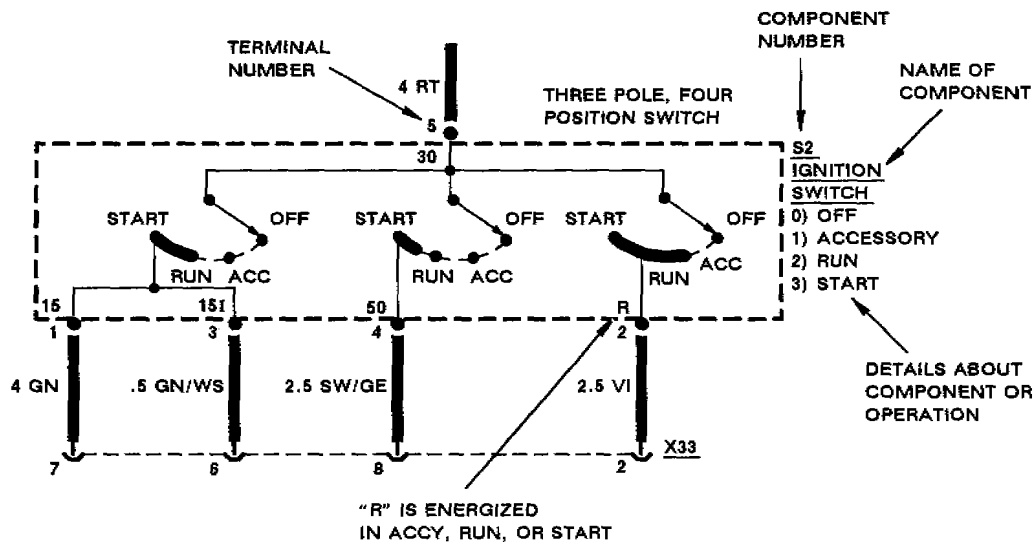


RELAY WITH NO CURRENT FLOWING THROUGH COIL

WHEN COIL IS ENERGIZED, SWITCH IS PULLED CLOSED

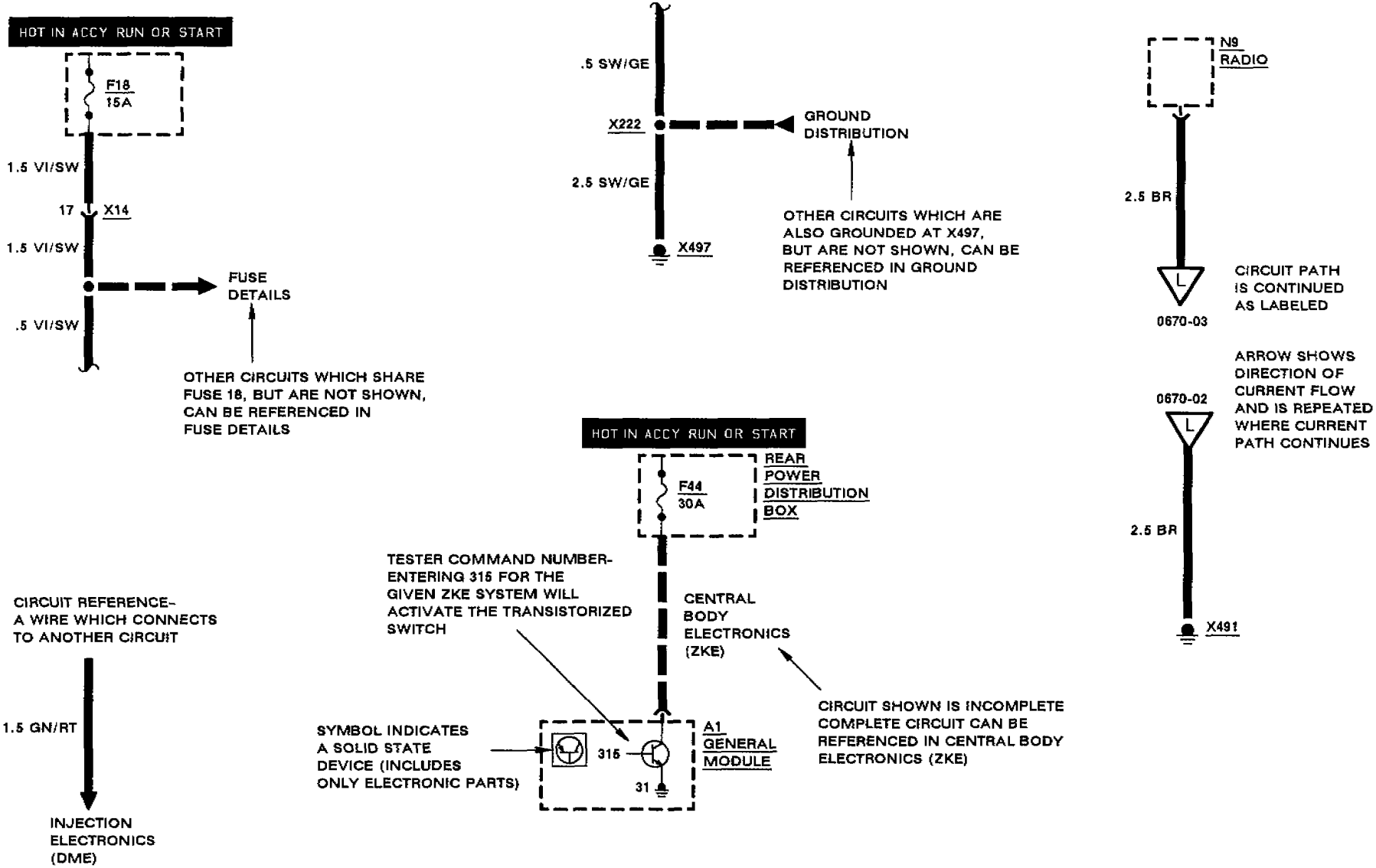


RELAY WITH RESISTOR ACROSS COIL



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

source: www.ow.no

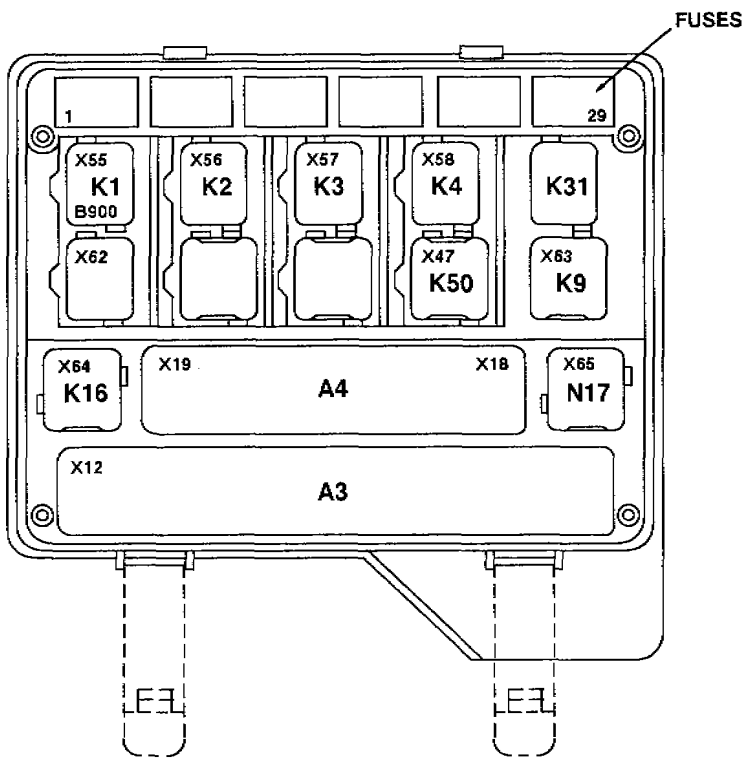


source: www.ow.no

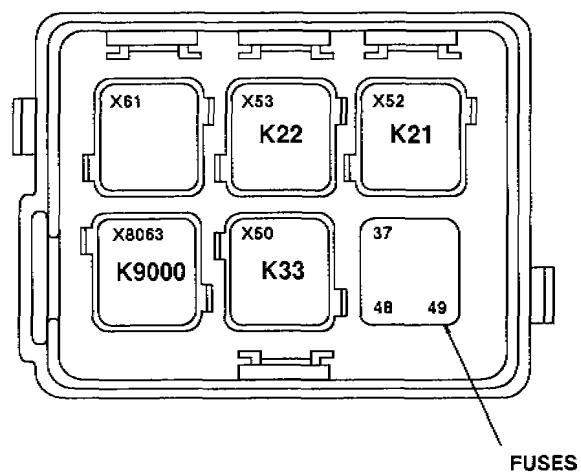
POWER DISTRIBUTION CHARTS

FRONT POWER DISTRIBUTION BOX, AUXILIARY RELAY BOX

P90 FRONT POWER DISTRIBUTION BOX



P92 AUXILARY RELAY BOX



source: www.ow.no

POWER DISTRIBUTION CHARTS

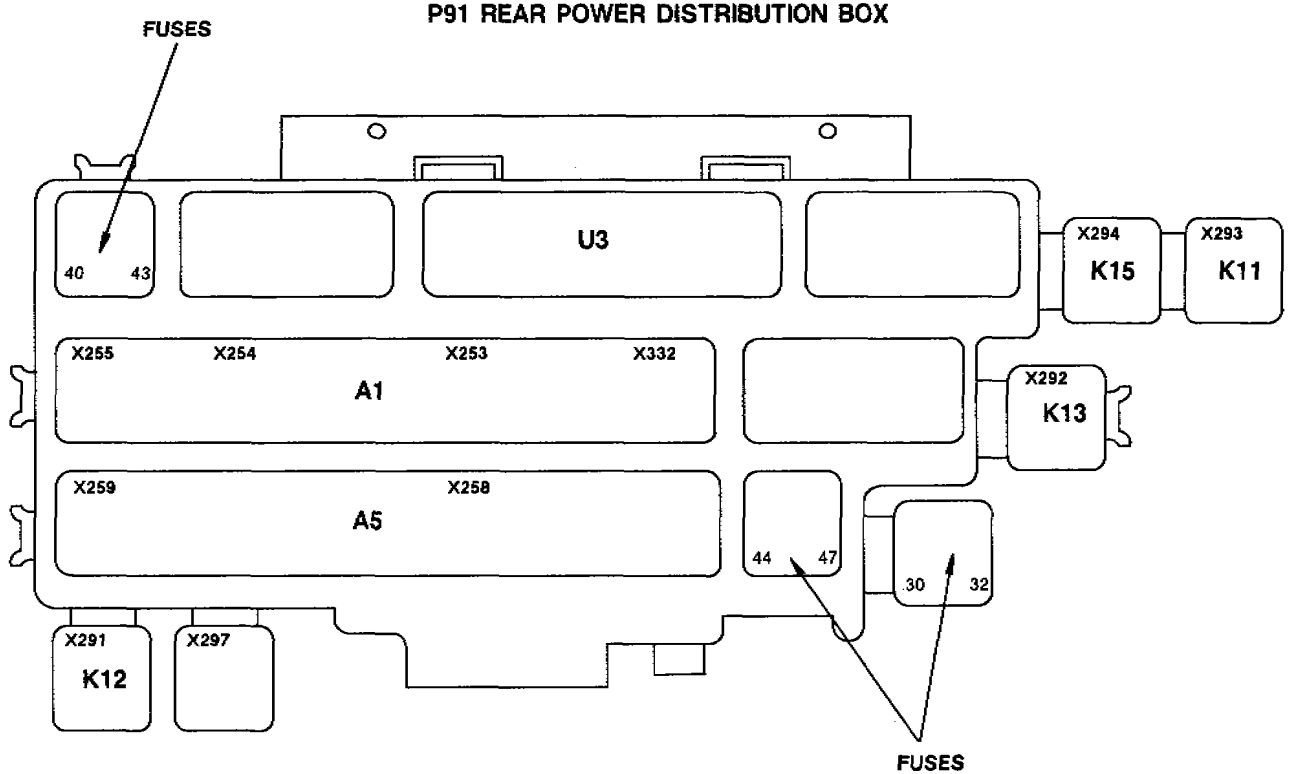
FRONT POWER DISTRIBUTION BOX, AUXILIARY RELAY BOX

COMPONENTS IN FRONT POWER DISTRIBUTION BOX		
NUMBER	CONNECTOR	DESCRIPTION
A3	X12	LAMP CONTROL MODULE
A4	X18, X19	CHECK CONTROL MODULE
K1	X55	STARTER RELAY
B900	X55	JUMPER PLUG (MANUAL)
K2	X56	HORN RELAY
K3	X57	UNLOADER RELAY, KLR
K4	X58	BLOWER RELAY
	X62	NOT IN U.S.
K9	X63	UNLOADER RELAY, KL 15
K16	X64	HAZARD FLASHER RELAY
K50	X47	WATER PUMP RELAY
K31		PRESENTLY NOT AVAILABLE
N17	X65	CRASH CONTROL UNIT

COMPONENTS IN AUXILIARY RELAY BOX		
NUMBER	CONNECTOR	DESCRIPTION
K21	X52	NORMAL SPEED RELAY
K22	X53	HIGH SPEED RELAY
K33	X50	AIR CONDITIONING RELAY
K9000	X8063	PHONE HORN ALERT RELAY (WITH CELLULAR TELEPHONE PROVISIONS)
	X61	NOT IN U.S.

source: www.ow.no

P91 REAR POWER DISTRIBUTION BOX



source: www.ow.no

POWER DISTRIBUTION CHARTS

REAR POWER DISTRIBUTION BOX

COMPONENTS IN REAR POWER DISTRIBUTION BOX		
NUMBER	**CONNECTOR**	**DESCRIPTION**
A1	X253, X254 X255, X332	GENERAL MODULE
A5	X258, X259	RELAY MODULE
K11	X293	WIPER RELAY
K12	X291	WIPER PRESSURE CONTROL RELAY (ADV)
K13	X292	REAR DEFOGGER RELAY
K15	X294	ELECTRIC POWER PROTECTION RELAY
U3	X8062	TRANSCEIVER TELEPHONE IF EQUIPPED
	X297	NOT IN U.S.

source: www.ow.no

FUSE CHARTS

FUSE	CIRCUIT PROTECTED	
F1 15A	3450.0	ABS Antilock Brake System (Also Fuse 17)
	6200.0	Instrument Cluster Check Control (K/CC) (Also Fuses 15,17, 20)
	6301.0	Lamp Monitor (LKM) (Also Fuses 2, 3, 4, 5, 7, 10, 11, 13, 14, 15)
	6325.0	Brake Lights (Also Fuse 15)
	6571.0	Cruise Control (Tempomat) (Also Fuse 17)
F2 7.5A	6300.0	Light Switch Details (Also Fuses 3, 4, 5, 24)
	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 3, 4, 5, 7, 10, 11, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 3, 5, 7, 10, 11, 13, 14, 37)
	6313.0	Turn/Hazard Lights (Also Fuses 3, 6, 13, 14)
F3 7.5A	6100.0	Central Body Electronics (ZKE) (Also Fuses 5, 15, 17, 30, 44, 47)
	6300.0	Light Switch Details (Also Fuses 2, 4, 5, 24)
	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 4, 5, 7, 10, 11, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 5, 7, 10, 11, 13, 14, 37)
	6313.0	Turn/Hazard Lights (Also Fuses 2, 6, 13, 14)
F4 7.5A	6300.0	Light Switch Details (Also Fuses 2, 3, 5, 24)
	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 5, 7, 10, 11, 13, 14, 15)
	6314.0	Park/Tail/Underhood Lights (Also Fuses 5, 15, 20)
F5 10A	6100.0	Central Body Electronics (ZKE) (Also Fuses 3, 15, 17, 30, 44, 47)
	6300.0	Light Switch Details (Also Fuses 2, 3, 4, 24)
	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 7, 10, 11, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 7, 10, 11, 13, 14, 37)
	6314.0	Park/Tail/Underhood Lights (Also Fuses 4, 15, 20)
	6320.0	License/Trunk Lights (Also Fuses 15, 21)
	6330.0	ZKE Interior Lights (Also Fuses 15, 17, 21, 30, 44)
	6332.0	Glove Box Light/Cigar Lighter/Charging Plug (Also Fuses 18, 21, 26)
F6 7.5A	6313.0	Turn/Hazard Lights (Also Fuses 2, 3, 13, 14)
F7 15A	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 10, 11, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 5, 10, 11, 13, 14, 37)

source: www.ow.no

FUSE CHARTS

FUSE	CIRCUIT PROTECTED	
F9 15A	6133.0	Horn
	6450.1	Integrated Climate Regulation (IHKR) (Also Fuses 19, 20, 24, 29, 46)
F10 7.5A	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 7, 11, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 11, 13, 14, 37)
F11 7.5A	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 7, 10, 13, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 13, 14, 37)
F12 15A	5116.0	Power Mirrors
	6169.0	Windshield Washer Jet Heaters
	6322.0	Back Up Lights
F13 7.5A	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 7, 10, 11, 14, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 11, 14, 37)
	6313.0	Turn/Hazard Lights (Also Fuses 2, 3, 6, 13,)
F14 7.5A	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 7, 10, 11, 13, 15)
	6312.0	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 11, 13, 37)
	6313.0	Turn/Hazard Lights (Also Fuses 2, 3, 6, 13,)
F15 7.5A	6100.0	Central Body Electronics (ZKE) (Also Fuses 3, 5, 17, 30, 44, 47)
	6160.0	ZKE Windshield Wiper Control (SWS) (Also Fuse 44)
	6164.0	ZKE Windshield Wiper Pressure Control (ADV) (Also Fuses 22, 44)
	6200.0	Instrument Cluster/Check Control (K/CC) (Also Fuses 1, 17, 20)
	6301.0	Lamp Monitor (LKM) (Also Fuses 1, 2, 3, 4, 5, 7, 10, 11, 13, 14)
	6314.0	Park/Tail/Underhood Lights (Also Fuses 4, 5, 20)
	6320.0	License/Trunk Lights (Also Fuses 5, 21)
	6325.0	Brake Lights (Also Fuse 1)
	6330.0	ZKE Interior Lights (Also Fuses 5, 17, 21, 30, 44)
	6581.0	On Board Computer (BCIV) (Also Fuses 17, 20)
F16 30A	5203.0	Heated Seats

source: www.ow.no

FUSE CHARTS

FUSE	CIRCUIT PROTECTED	
F17 7.5A	1210.2	Injection Electronics (DME 1.3) (Also Fuse 23)
	1230.0	Charging System
	1240.0	Start
	1290.0	E-Box Fan (Also Fuse 28)
	2460.0	Electronic Transmission Control (AEGS)
	3450.0	Antilock Brake System (ABS) (Also Fuse 1)
	5120.0	ZKE Door Lock Heating (TSH) (Also Fuse 30)
	5133.0	ZKE Power Windows (FH) (Also Fuses 30, 31, 47)
	5410.0	ZKE Sunroof (SHD) (Also Fuses 30, 31, 47)
	6100.0	Central Body Electronics (ZKE) (Also Fuses 3, 5, 15, 30, 44, 47)
	6200.0	Instrument Cluster/Check Control (K/CC) (Also Fuses 1, 15, 20)
	6330.0	ZKE Interior Lights (IB) (Also Fuses 5, 15, 21, 30, 44)
	6571.0	Cruise Control (Tempomat) (Also Fuse 1)
	6581.0	On Board Computer (BCIV) (Also Fuses 15, 20)
F18 15A	6332.0	Glove Box Light/Cigar Lighter/Charging Plug (Also Fuses 5, 21, 26)
	6510.0	Radio/CD Player (Provisions) (Also Fuse 41)
	6561.0	Cellular Telephone (Provisions) (Also Fuses 31 and 48)
F19 30A	6450.1	Integrated Climate Regulation (IHKR) (Also Fuses 9, 20, 24, 29, 46)
F20 7.5A	6200.0	Instrument Cluster/Check Control (K/CC) (Also Fuses 1, 15, 17)
	6314.0	Park/Tail/Underhood Lights (Also Fuses 4, 5, 15)
	6450.1	Integrated Climate Regulation (IHKR) (Also Fuses 9, 19, 24, 29, 46)
	6581.0	On Board Computer (BCIV) (Also Fuses 15, 17)
F21 7.5A	6320.0	License/Trunk Lights (Also Fuses 5, 15)
	6330.0	ZKE Interior Lights (IB) (Also Fuses 5, 15, 17, 30, 44)
	6332.0	Glove Box Light/Cigar Lighter/Charging Plug (Also Fuses 5, 18, 26)
F22 30A	6164.0	ZKE Windshield Wiper Pressure Control (ADV) (Also Fuses 15, 44)

source: www.ow.no

FUSE CHARTS

FUSE	CIRCUIT PROTECTED
F23 7.5A	1210.2 Injection Electronics (DME 1.3) (Also Fuse 17)
F24 15A	6300.0 Light Switch Details (Also Fuses 2, 3, 4, 5) 6450.1 Integrated Climate Regulation (IHKR) (Also Fuses 9, 19, 20, 29, 46)
F25 30A	6454.0 Auxiliary Fan (Also Fuse 29)
F26 30A	6332.0 Glove Box Light/Cigar Lighter/Charging Plug ,(Also Fuses 5, 18, 21)
F28 15A	1290.0 E-Box Fan (Also Fuse 17) 3240.0 Power Assist Steering
F29 7.5A	6450.1 Integrated Climate Regulation (IHKR) (Also Fuses 9, 19, 20, 24, 46) 6454.0 Auxiliary Fan (Also Fuse 25)
F30 7.5A	5120.0 ZKE Door Lock Heating (TSH) (Also Fuse 17) 5126.0 ZKE Central Locking (ZV) (Also Fuses 31, 47) 5133.0 ZKE Power Windows (FH) (Also Fuses 17, 31, 47) 5410.0 ZKE Sunroof (SHD) (Also Fuses 17, 31, 47) 6100.0 Central Body Electronics (ZKE) (Also Fuses 3, 5, 15, 17, 44, 47) 6330.0 ZKE Interior Lights (Also Fuses 5, 15, 17, 21, 44)
F31 7.5A	5126.0 ZKE Central Locking (ZV) (Also Fuses 30, 47) 5133.0 ZKE Power Windows (FH) (Also Fuses 17, 30, 47) 5410.0 ZKE Sunroof (SHD) (Also Fuses 17, 30, 47) 6561.0 Cellular Telephone (Provisions) (Also Fuses 18, 48)
F32 7.5A	NOT USED
F37 5A	NOT USED
F40 15A	NOT USED
F41 30A	6510.0 Radio/CD Player (Provisions) (Also Fuse 18)

source: www.ow.no

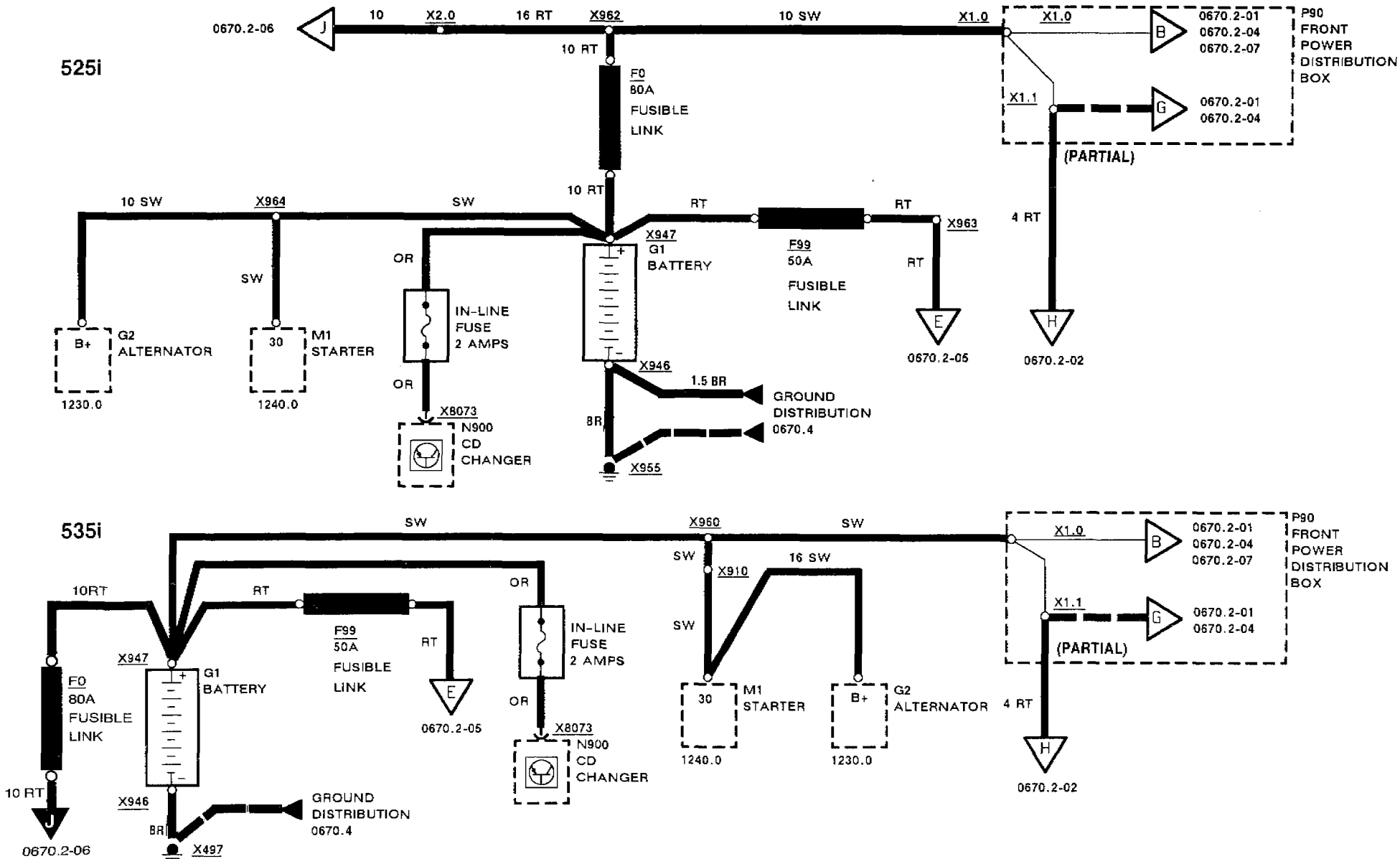
FUSE CHARTS

FUSE	CIRCUIT PROTECTED	
F42 30A	5200.0	Power Seats (Also Fuse 43)
F43 30A	5200.0	Power Seats (Also Fuse 42)
F44 30A	6100.0 6160.0 6164.0 6330.0	Central Body Electronics (ZKE) (Also Fuses 3, 5, 15, 17, 30, 47) ZKE Windshield Wiper Control (SWS) (Also Fuse 15) ZKE Windshield Wiper Pressure Control (ADV) (Also Fuses 15, 22) ZKE Interior Lights (IB) (Also Fuses 5, 15, 17, 30)
F46 30A	6450.1	Integrated Climate Regulation (IHKR) (Also Fuses 9, 19, 20, 24, 29)
F47 30A	5126.0 5133.0 5410.0 6100.0	ZKE Central Locking (ZV) (Also Fuses 30, 31) ZKE Power Windows (FH) (Also Fuses 17, 30, 31) ZKE Sunroof (SHD) (Also Fuses 17, 30, 31) Central Body Electronics (ZKE) (Also Fuses 3, 5, 15, 17, 30, 44)
F48 15A	6561.0	Cellular Telephone (Provisions) (Also Fuses 18, 31)
F49	NOT USED	

source: www.ow.no

POWER DISTRIBUTION

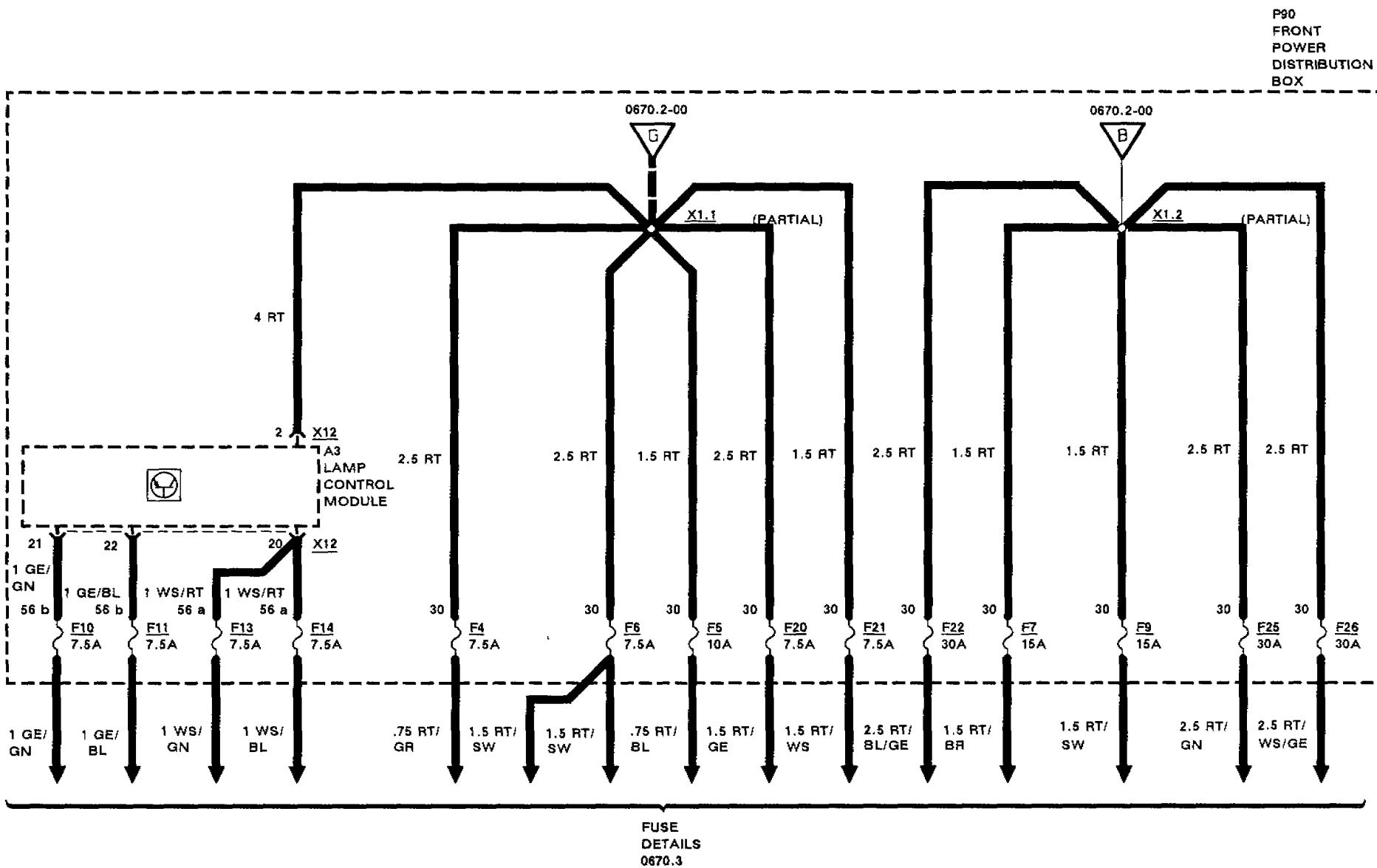
FRONT POWER DISTRIBUTION BOX



source: www.ow.no

POWER DISTRIBUTION

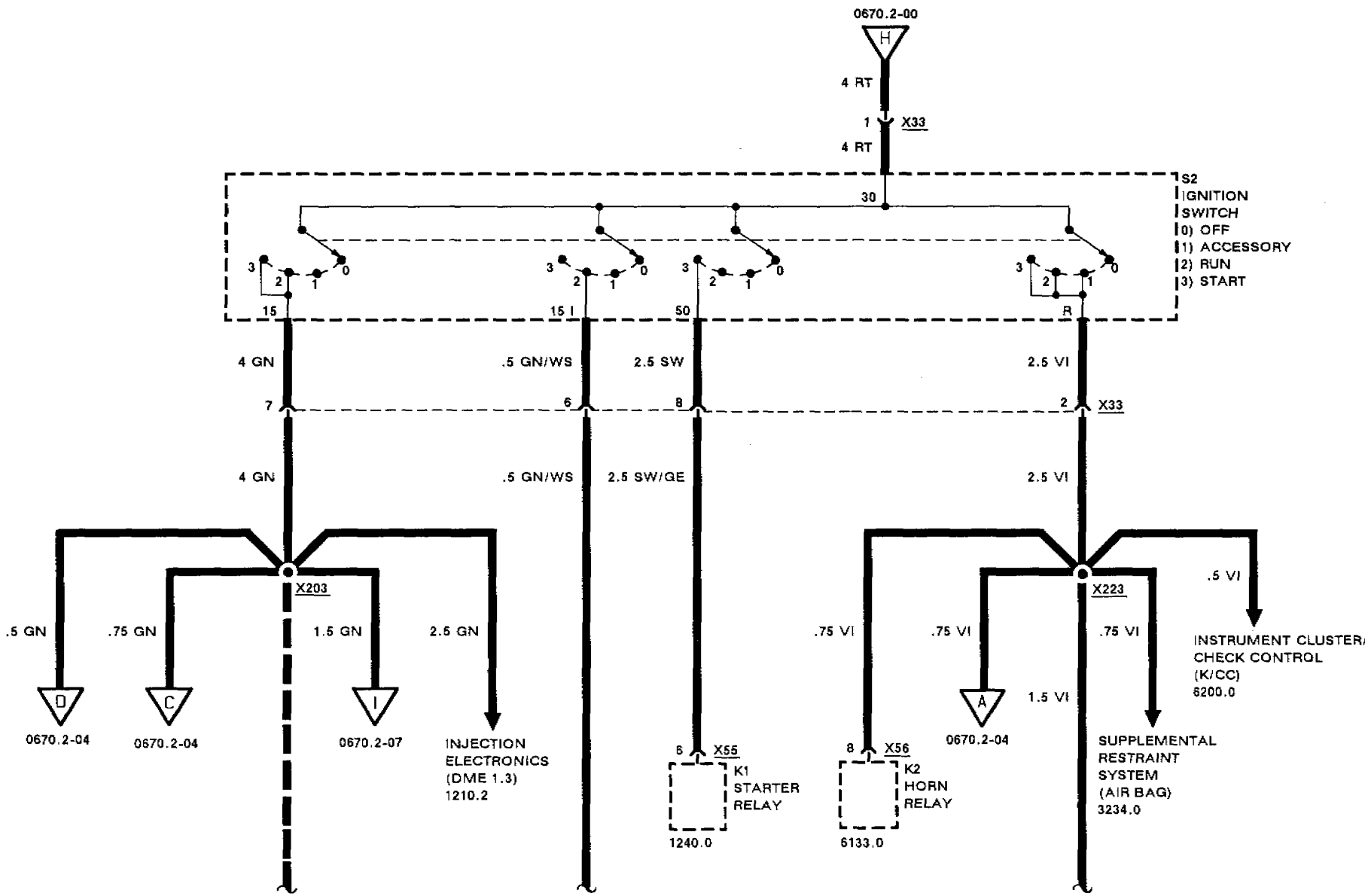
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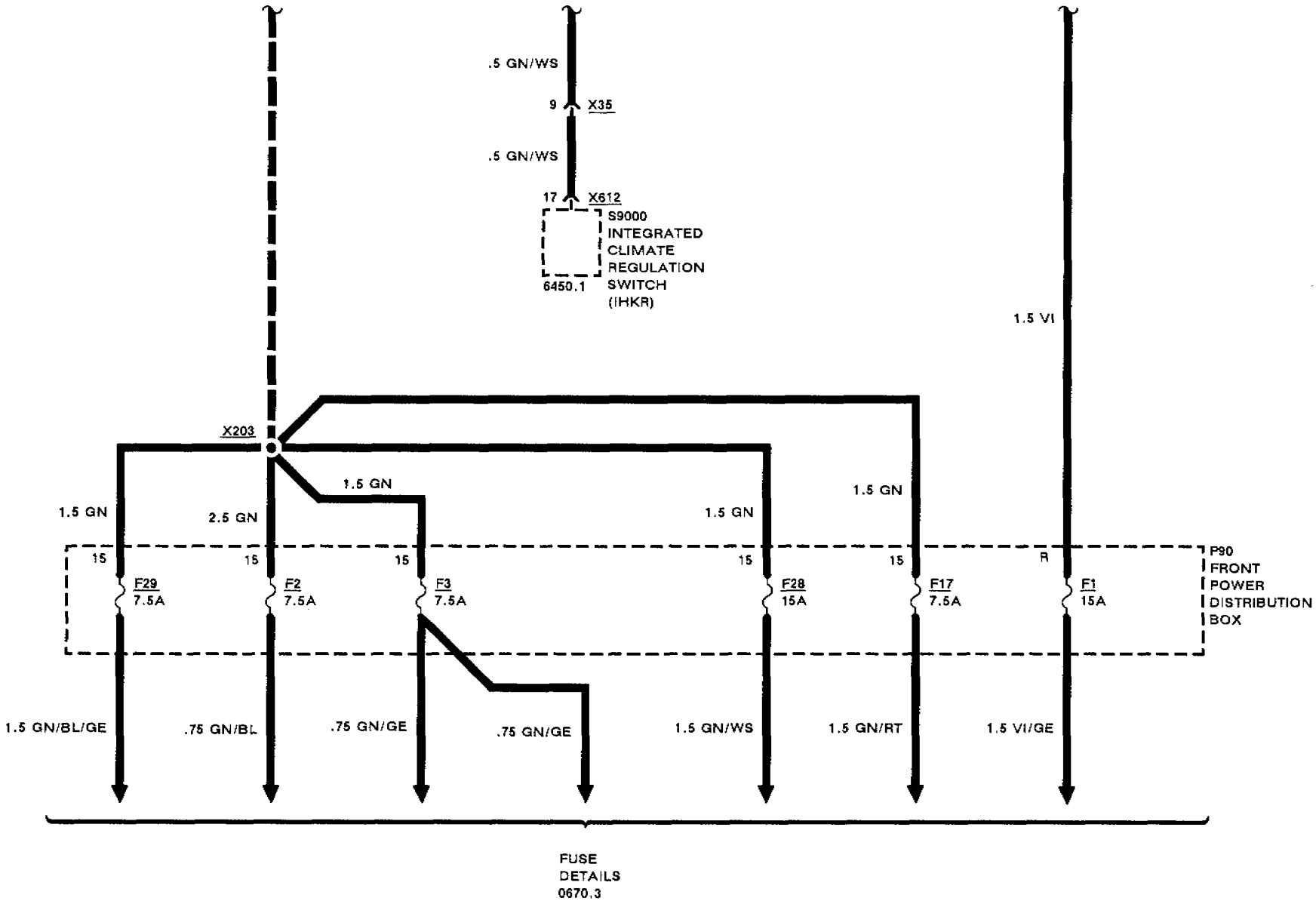
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POWER DISTRIBUTION

FRONT POWER DISTRIBUTION BOX



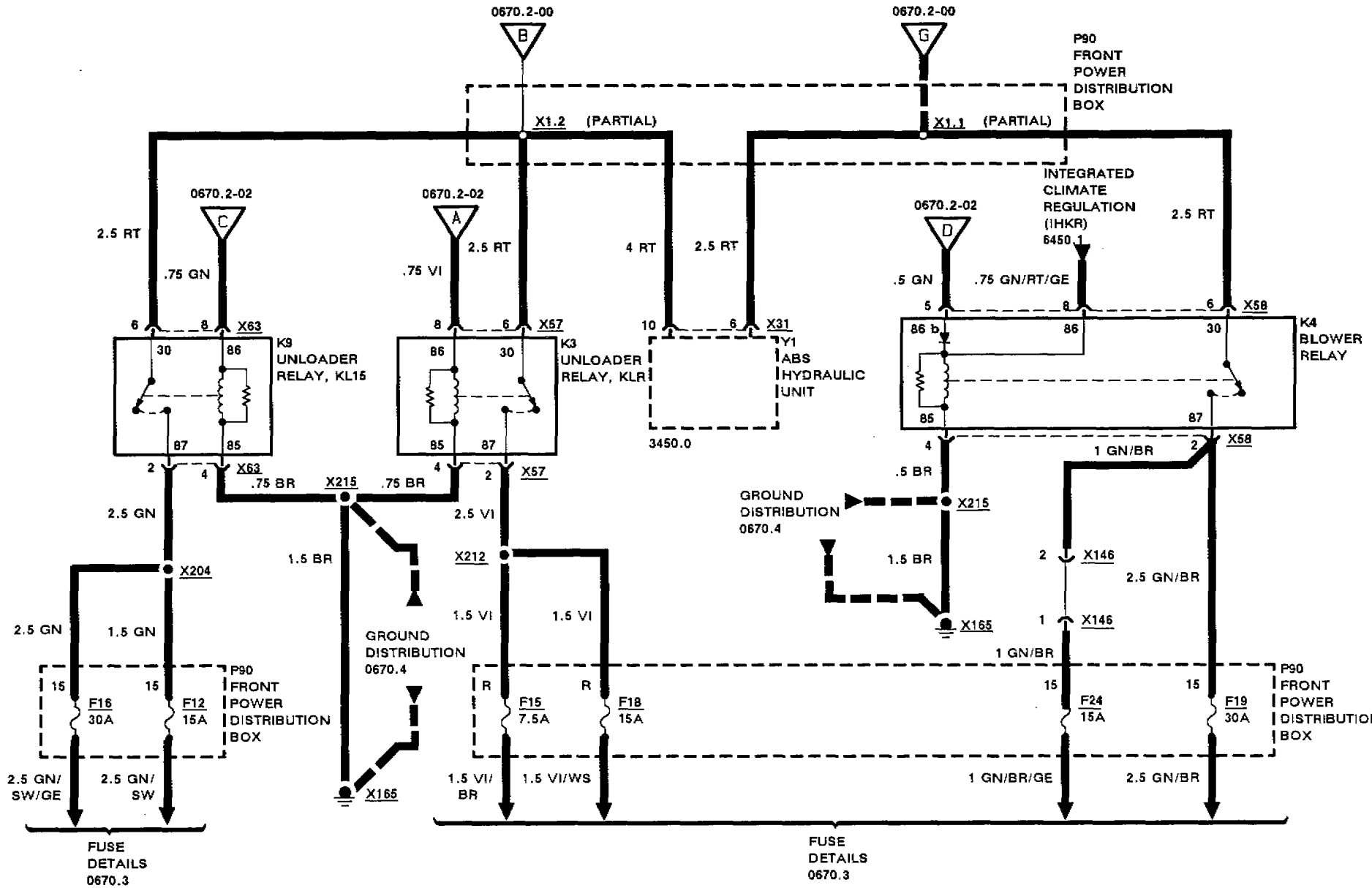
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source: www.ow.no

POWER DISTRIBUTION

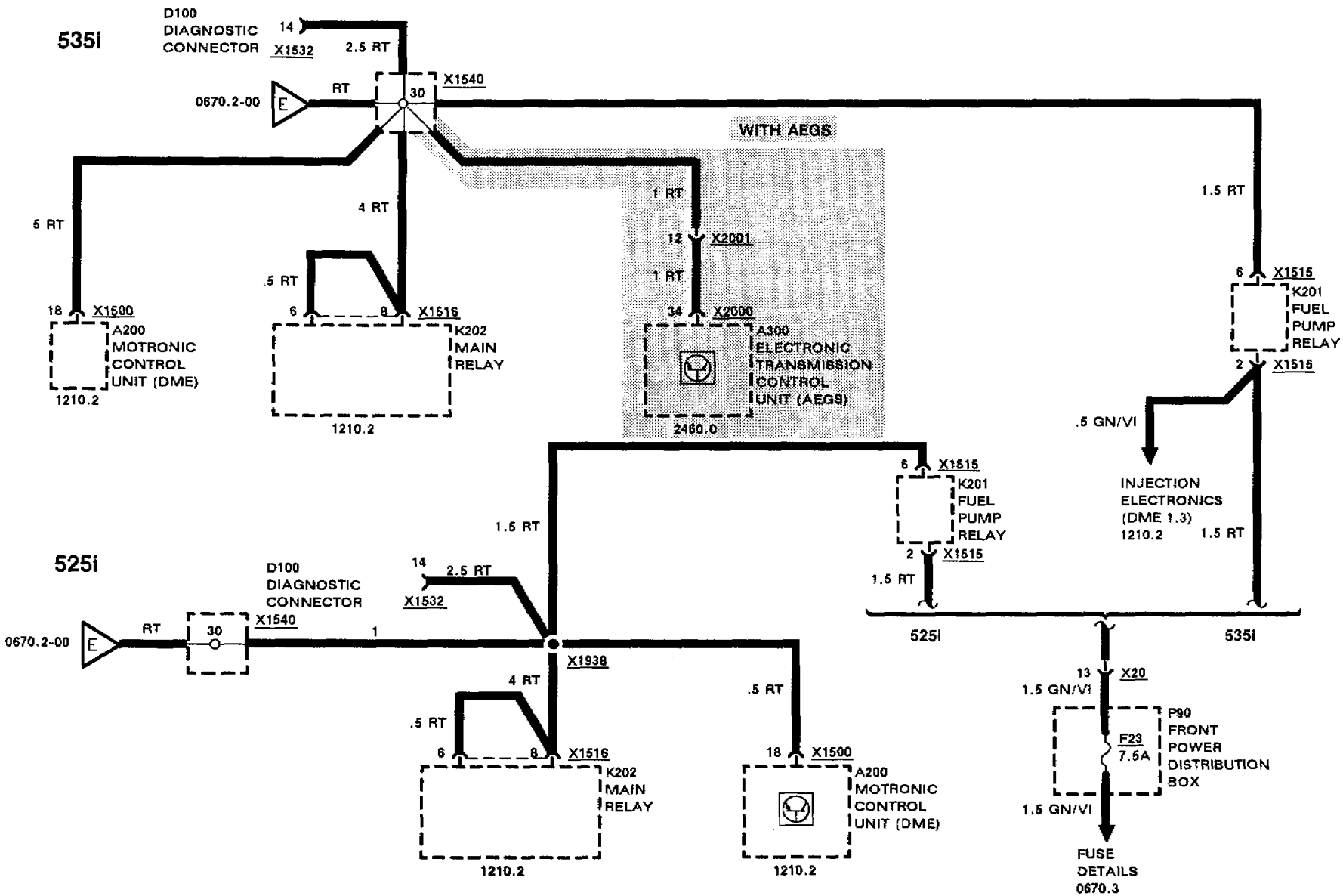
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source: www.ow.no

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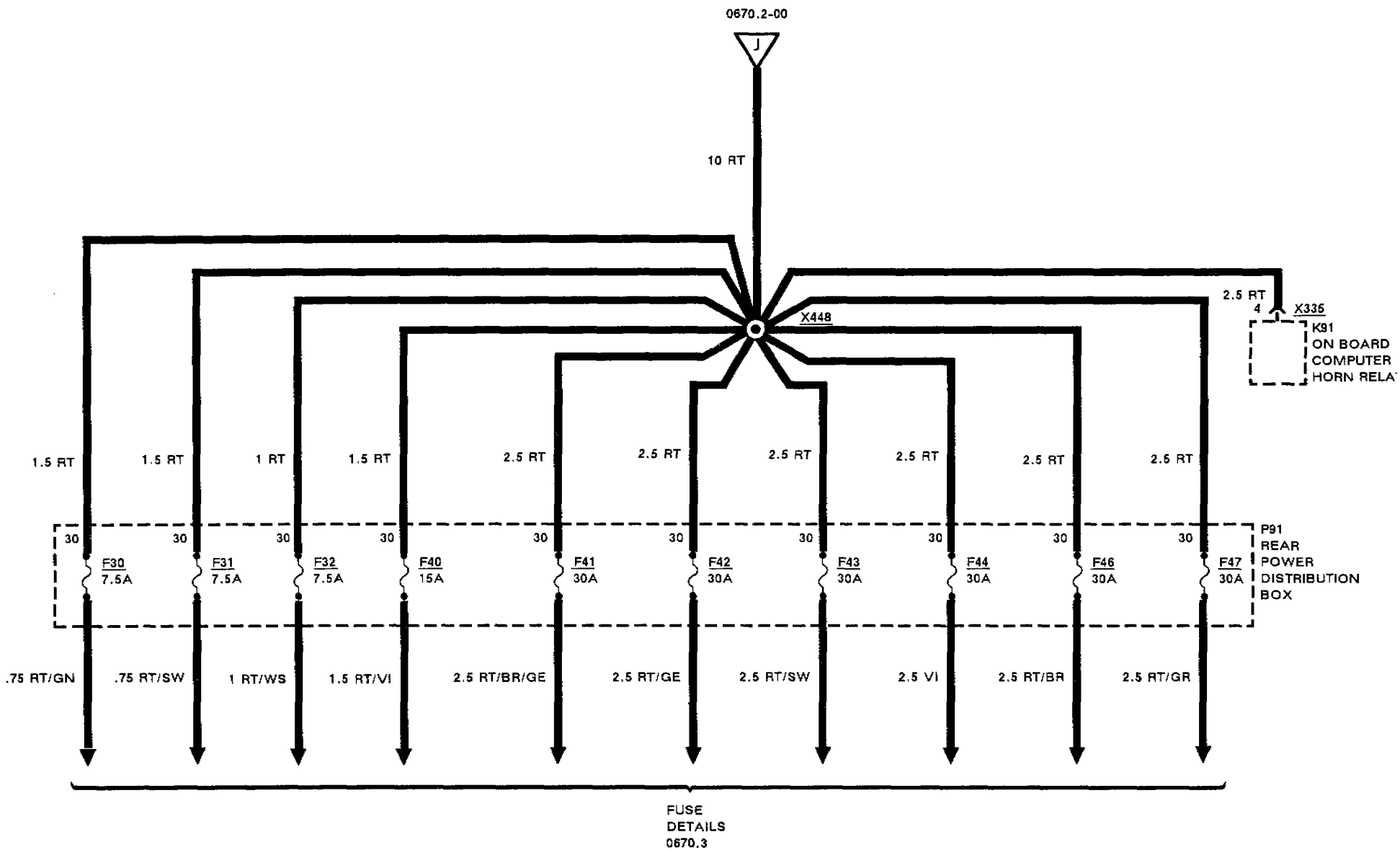
FRONT POWER DISTRIBUTION BOX



source: www.ow.no

POWER DISTRIBUTION

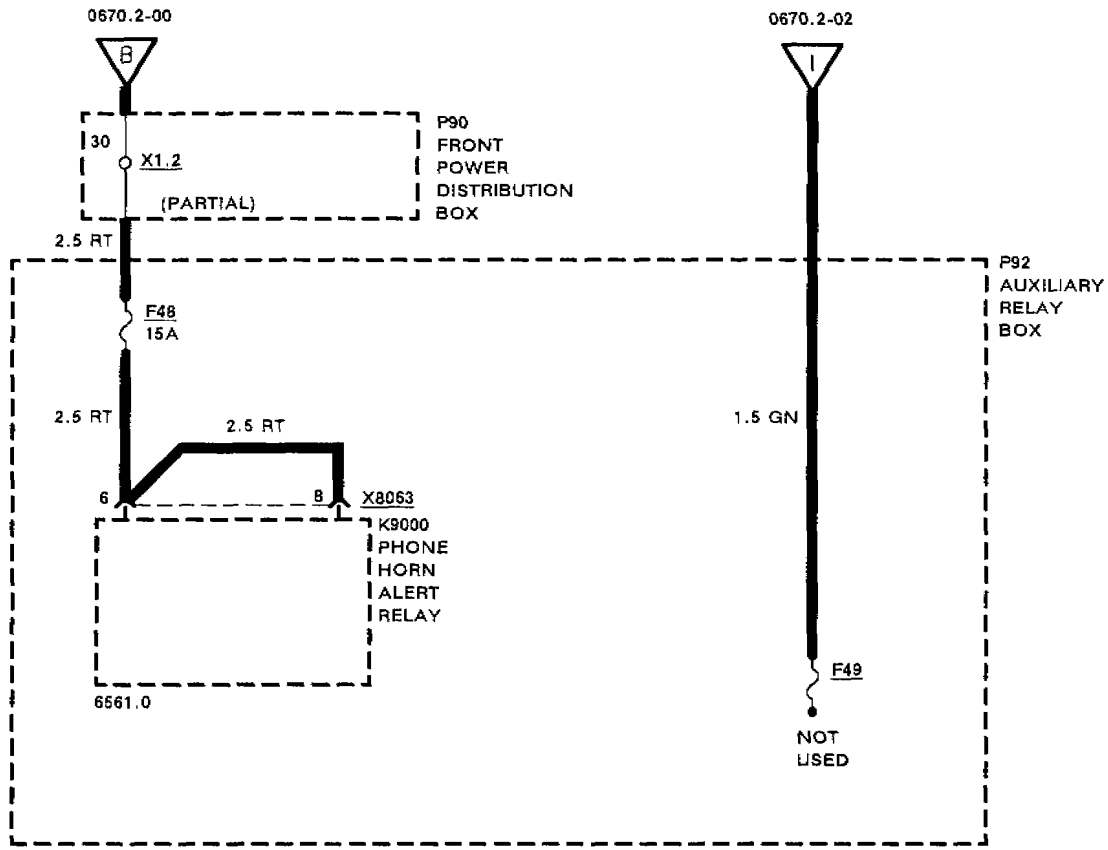
REAR POWER DISTRIBUTION BOX



source: www.ow.no

POWER DISTRIBUTION

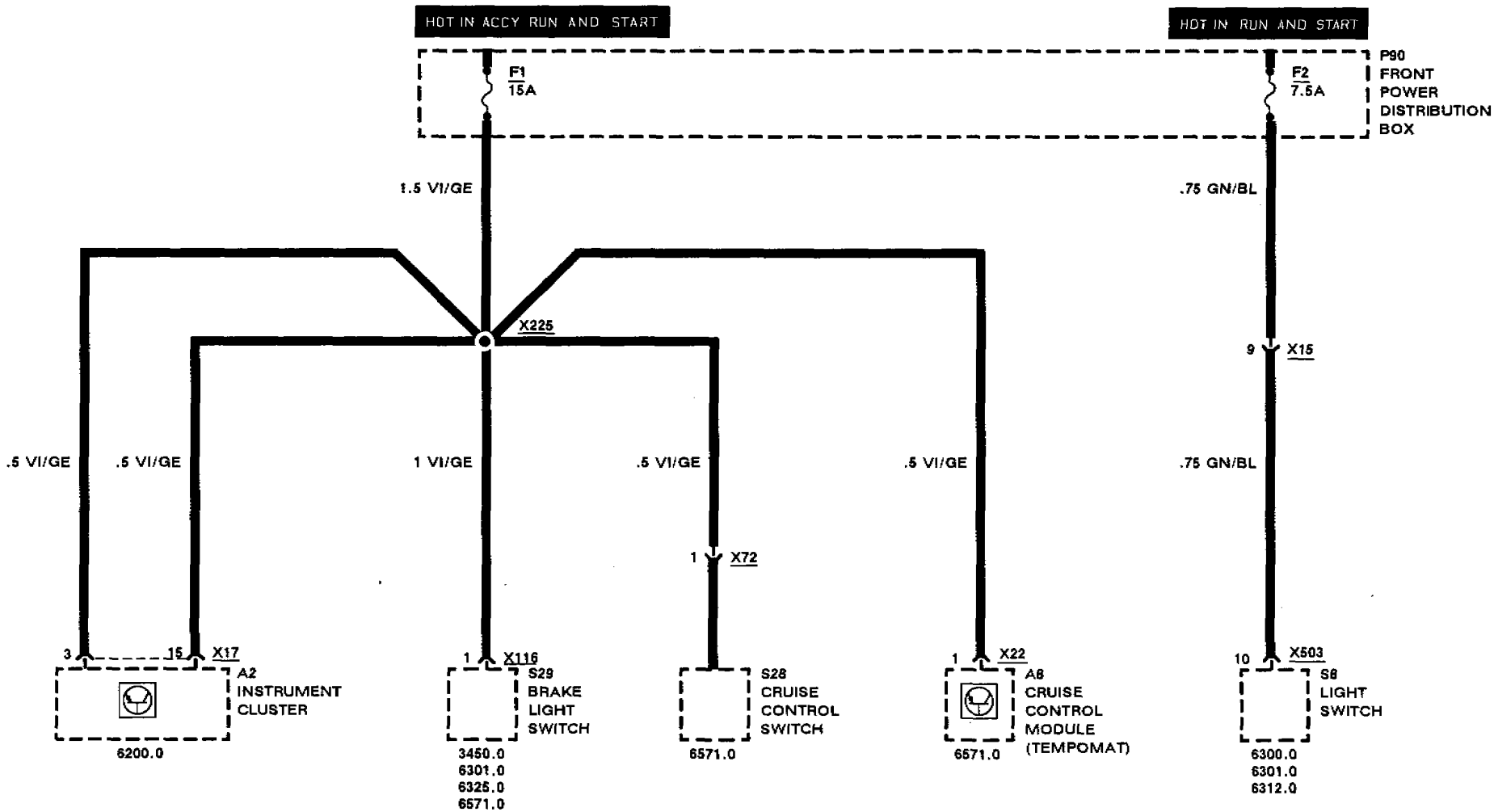
AUXILIARY RELAY BOX



source: www.ow.no

FUSE DETAILS

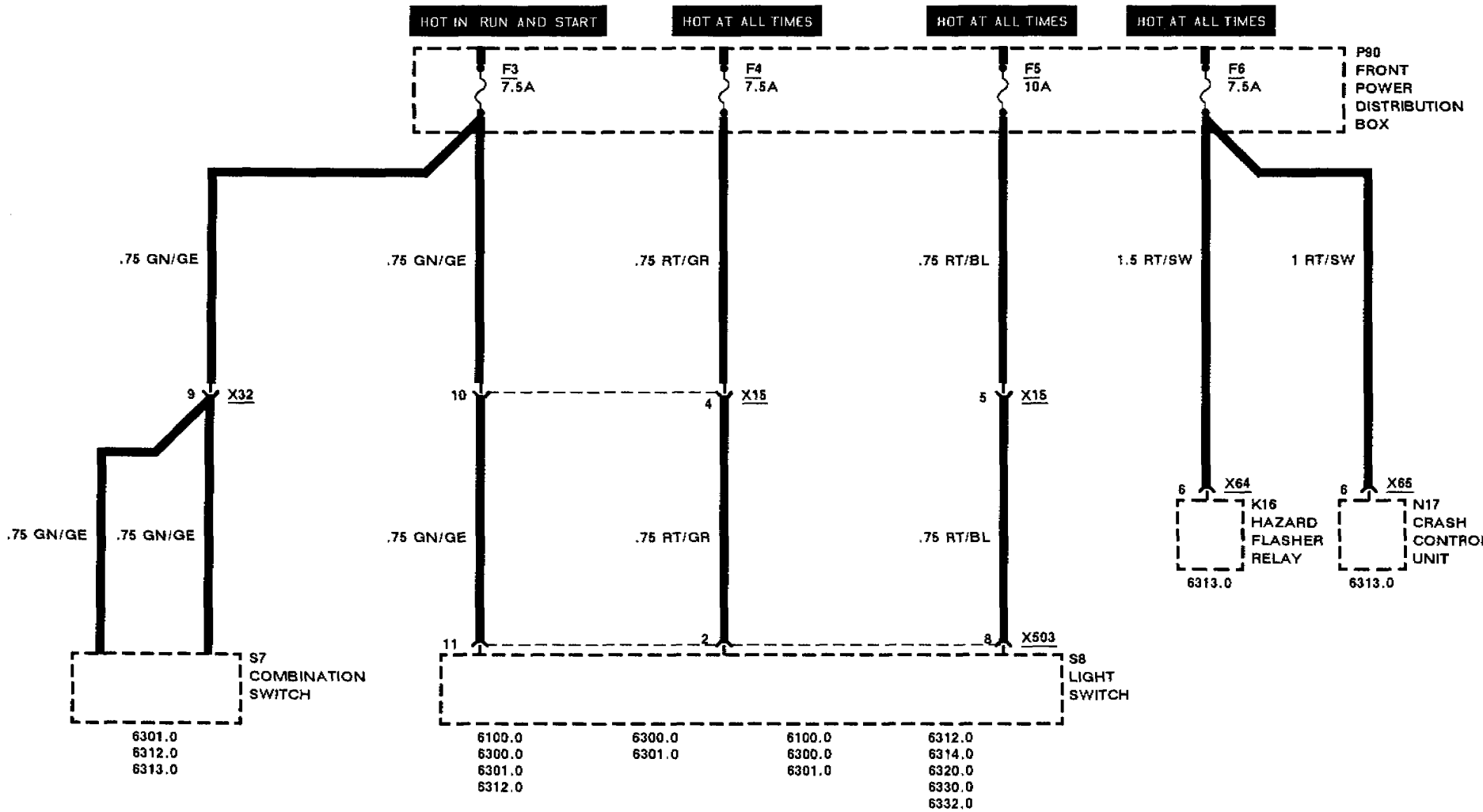
FUSES 1 AND 2



source: www.ow.no

FUSE DETAILS

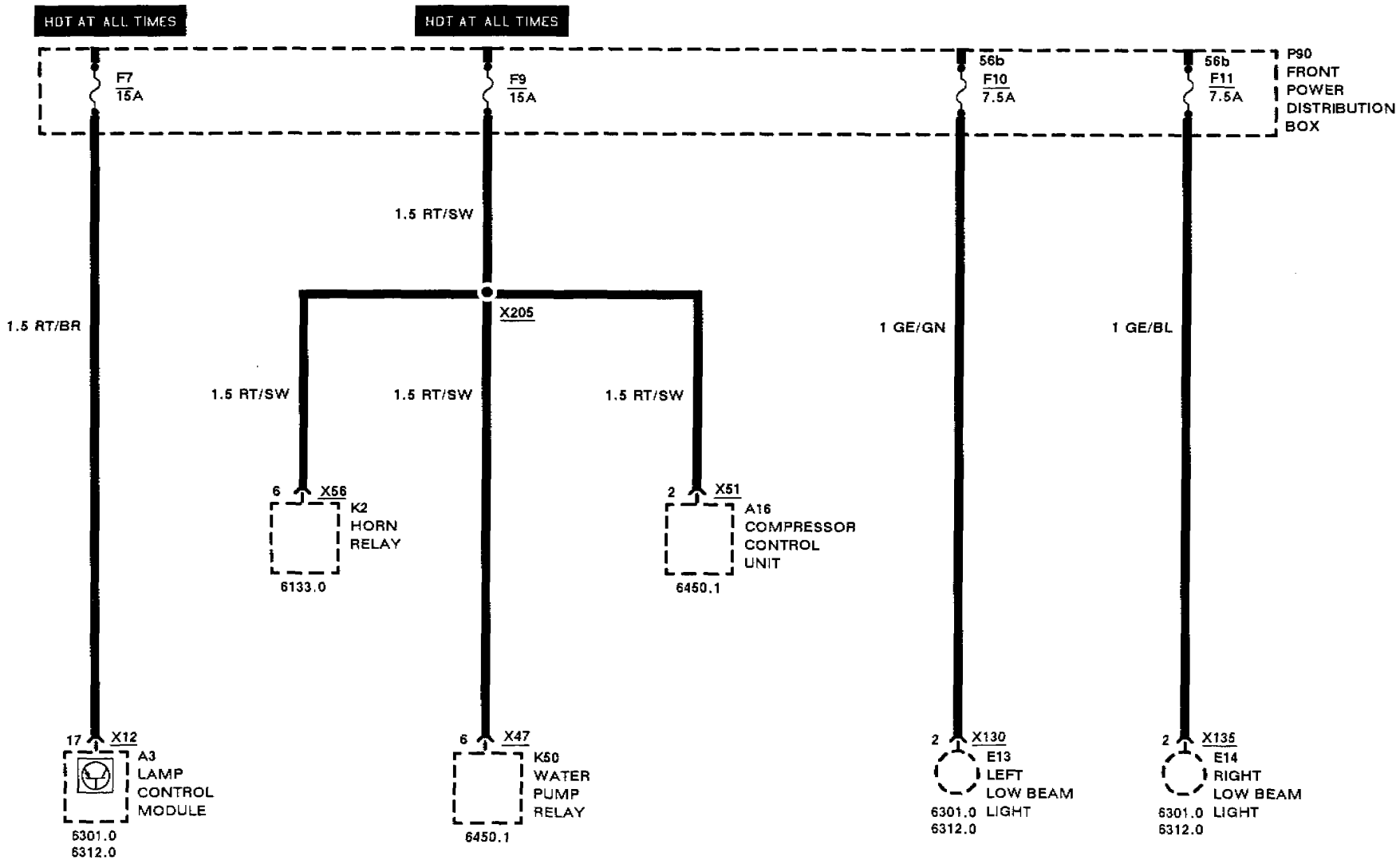
FUSES 3, 4, 5 & 6



source: www.ow.no

FUSE DETAILS

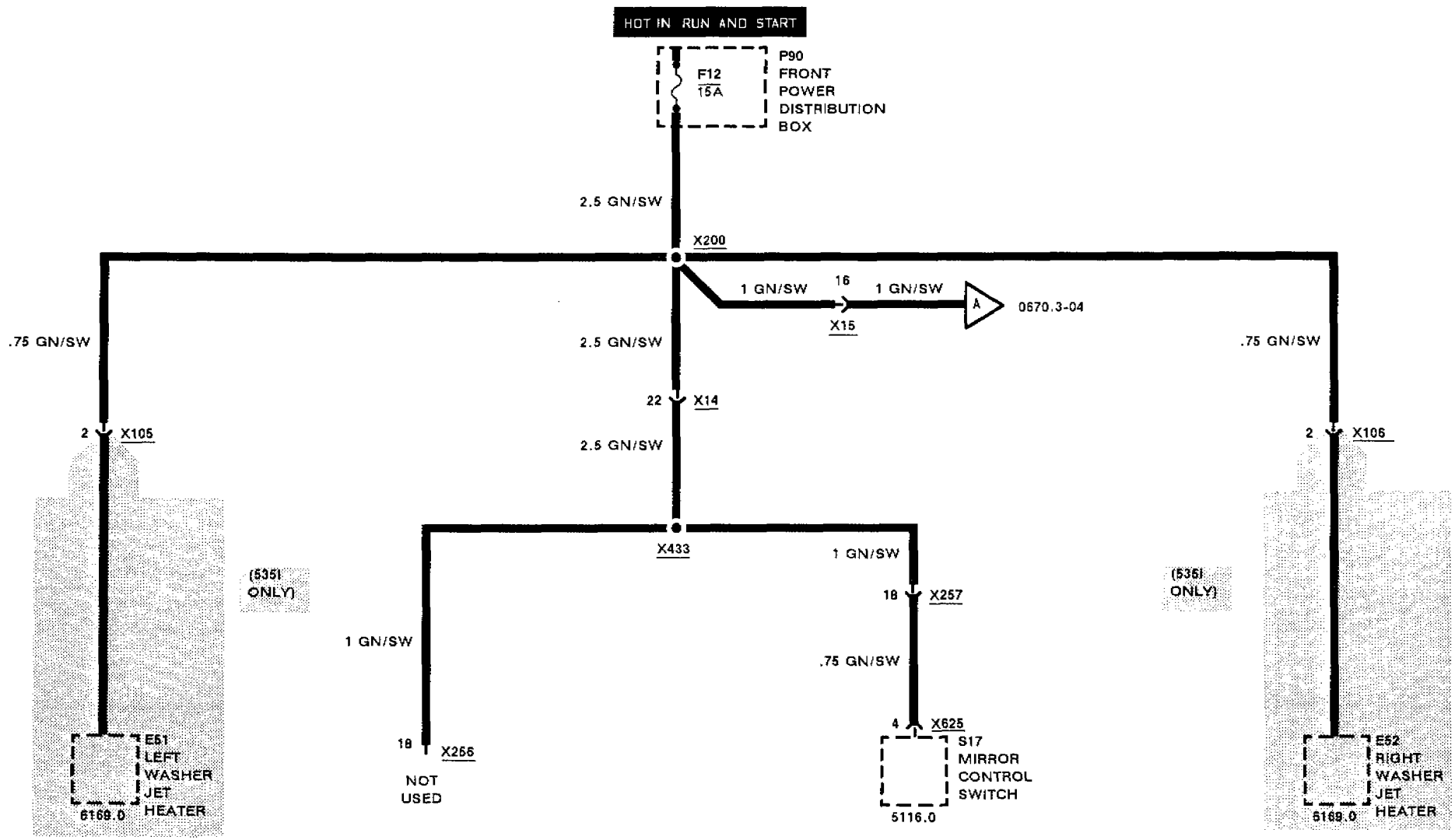
FUSES 7, 9, 10 AND 11



source: www.ow.no

FUSE DETAILS

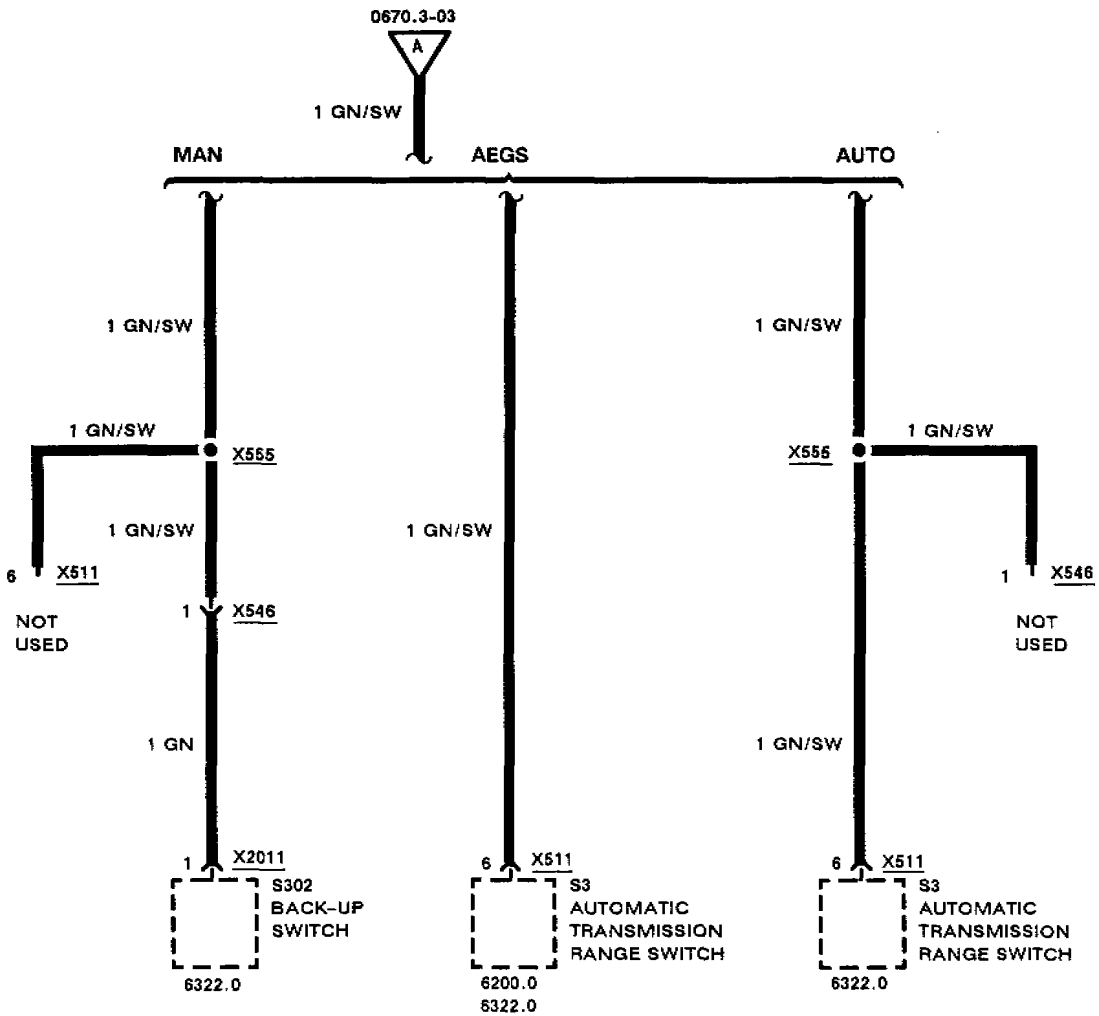
FUSE 12



source: www.ow.no

FUSE DETAILS

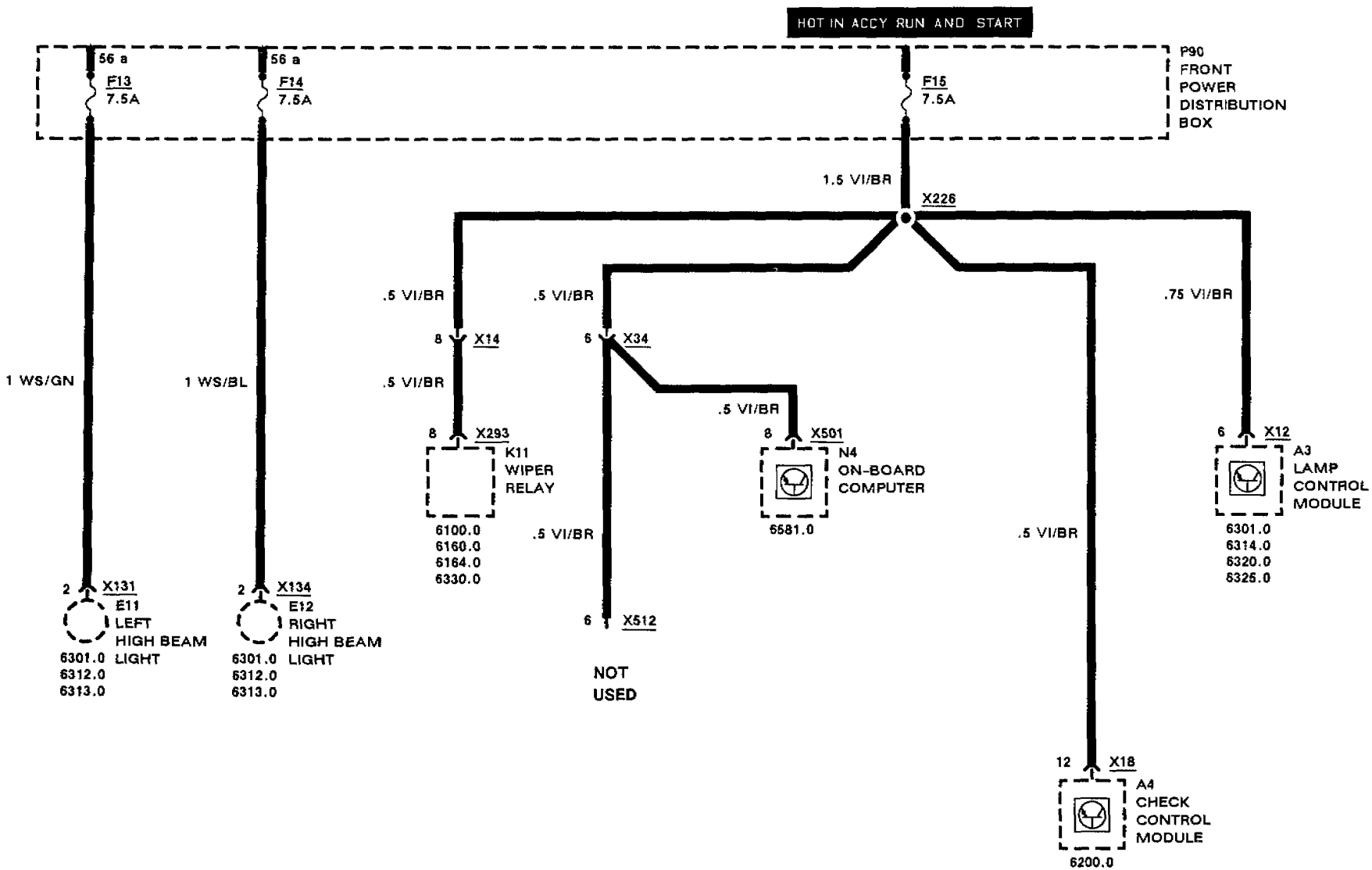
FUSE 12



source: www.ow.no

FUSE DETAILS

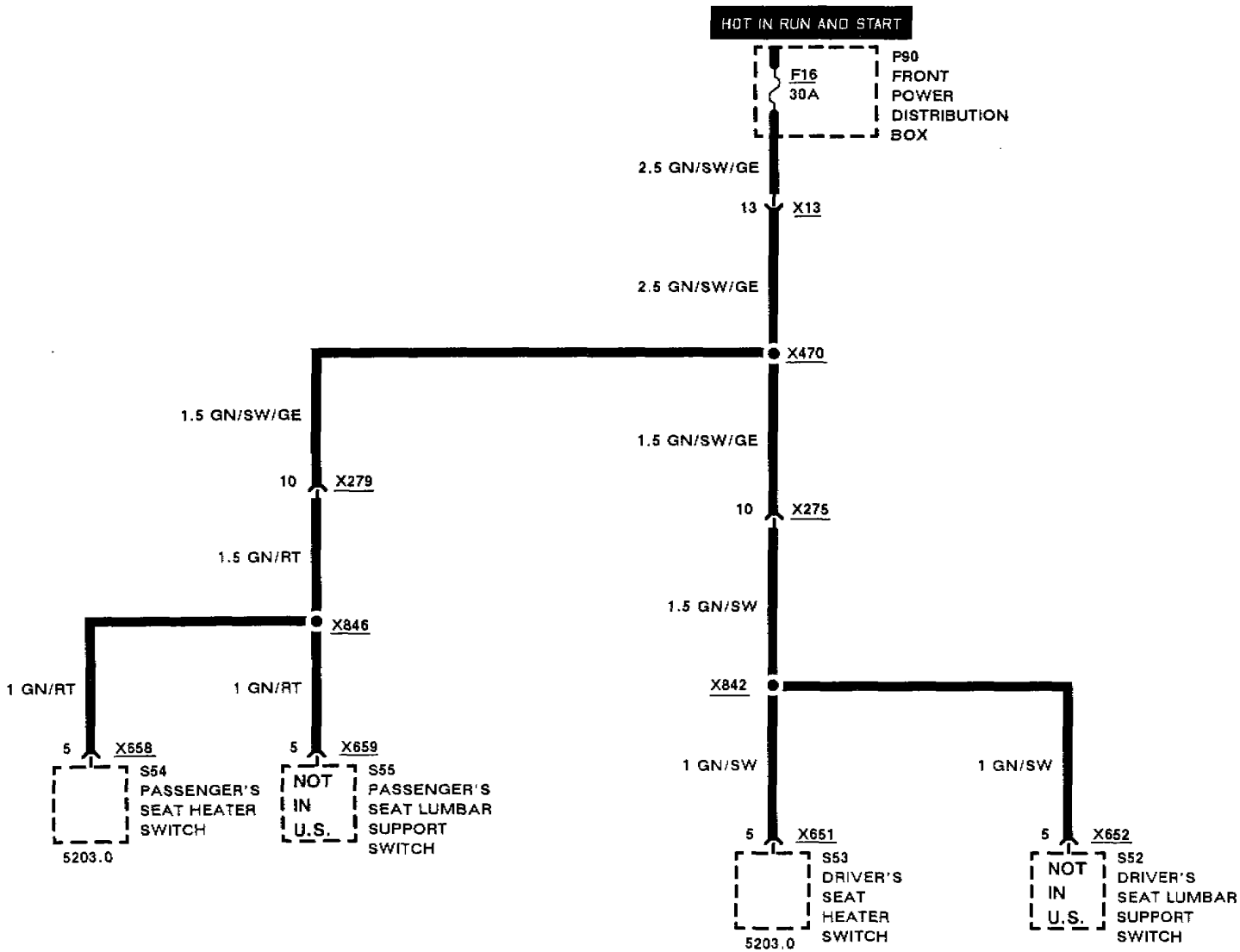
FUSES 13,14 AND 15



source: www.ow.no

FUSE DETAILS

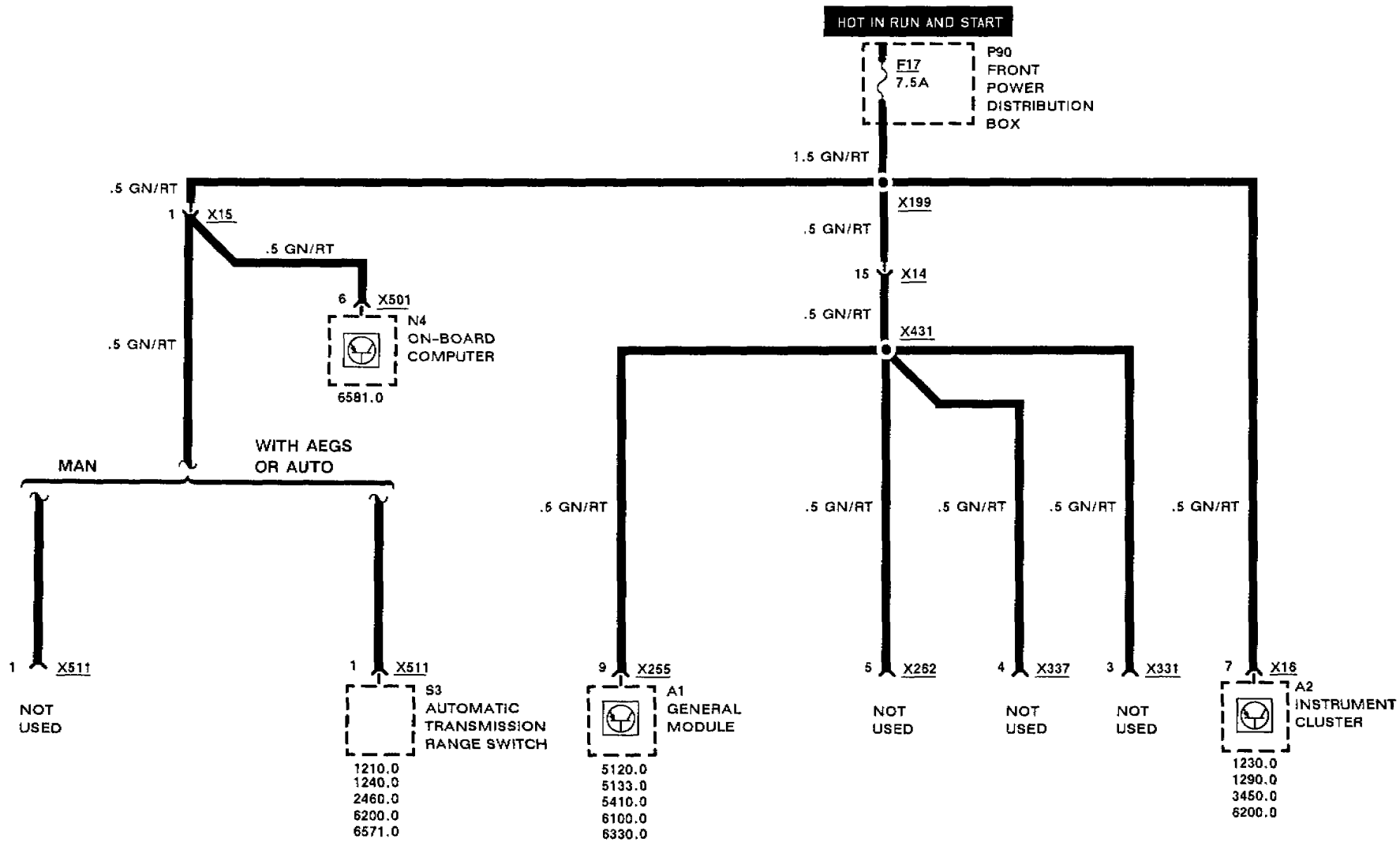
FUSE 16



source: www.ow.no

FUSE DETAILS

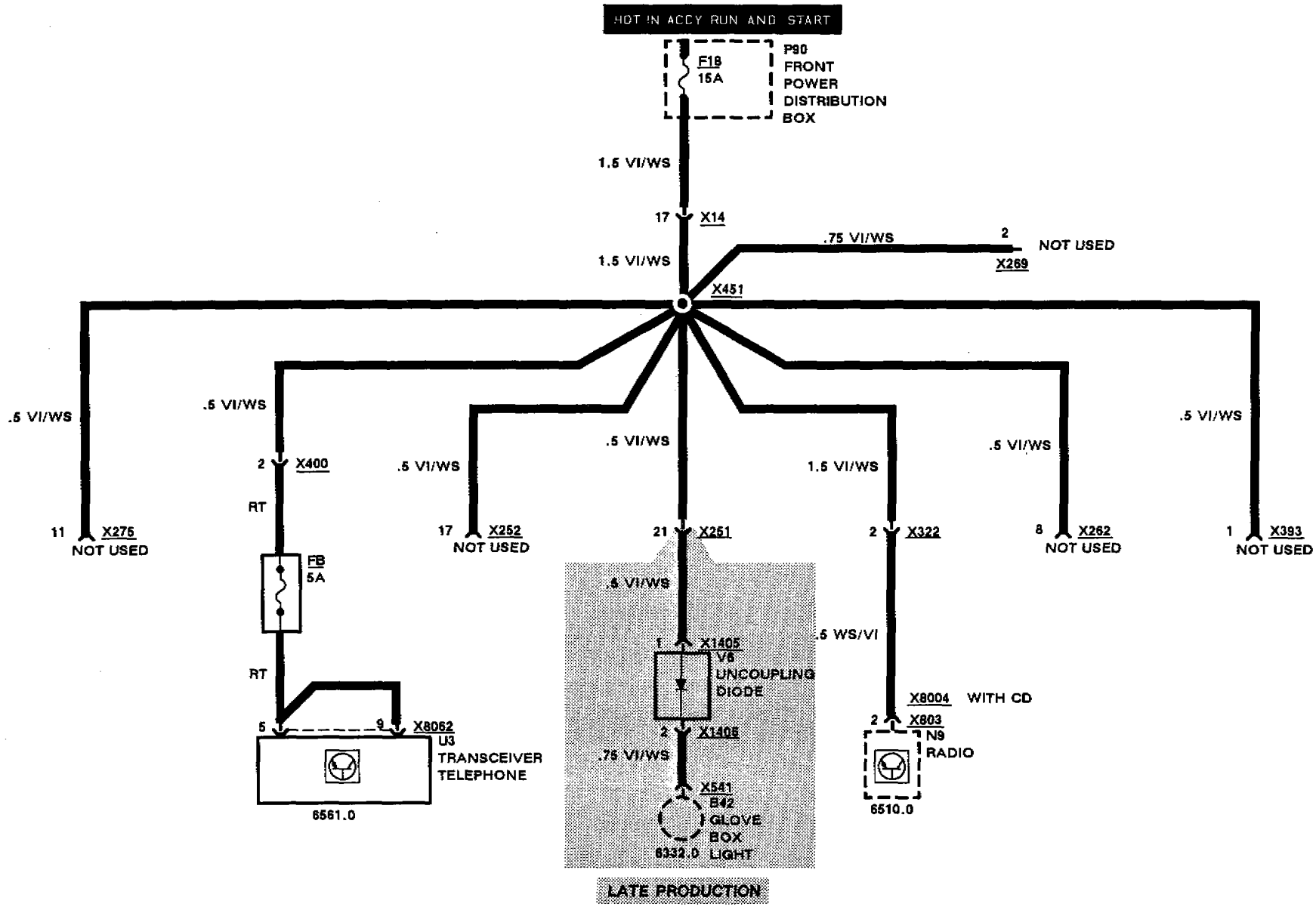
FUSE 17



source: www.ow.no

FUSE DETAILS

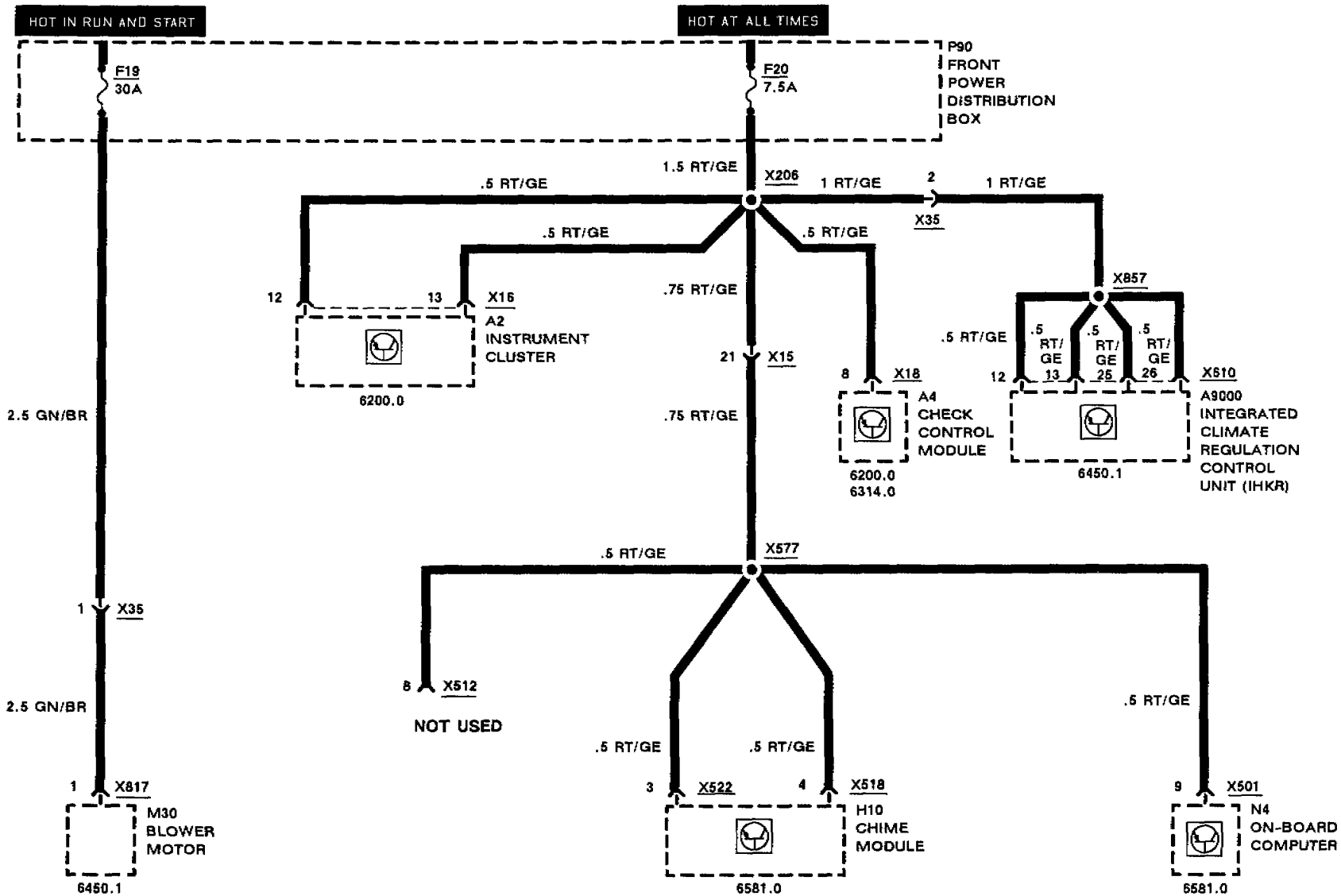
FUSE 18



source: www.ow.no

FUSE DETAILS

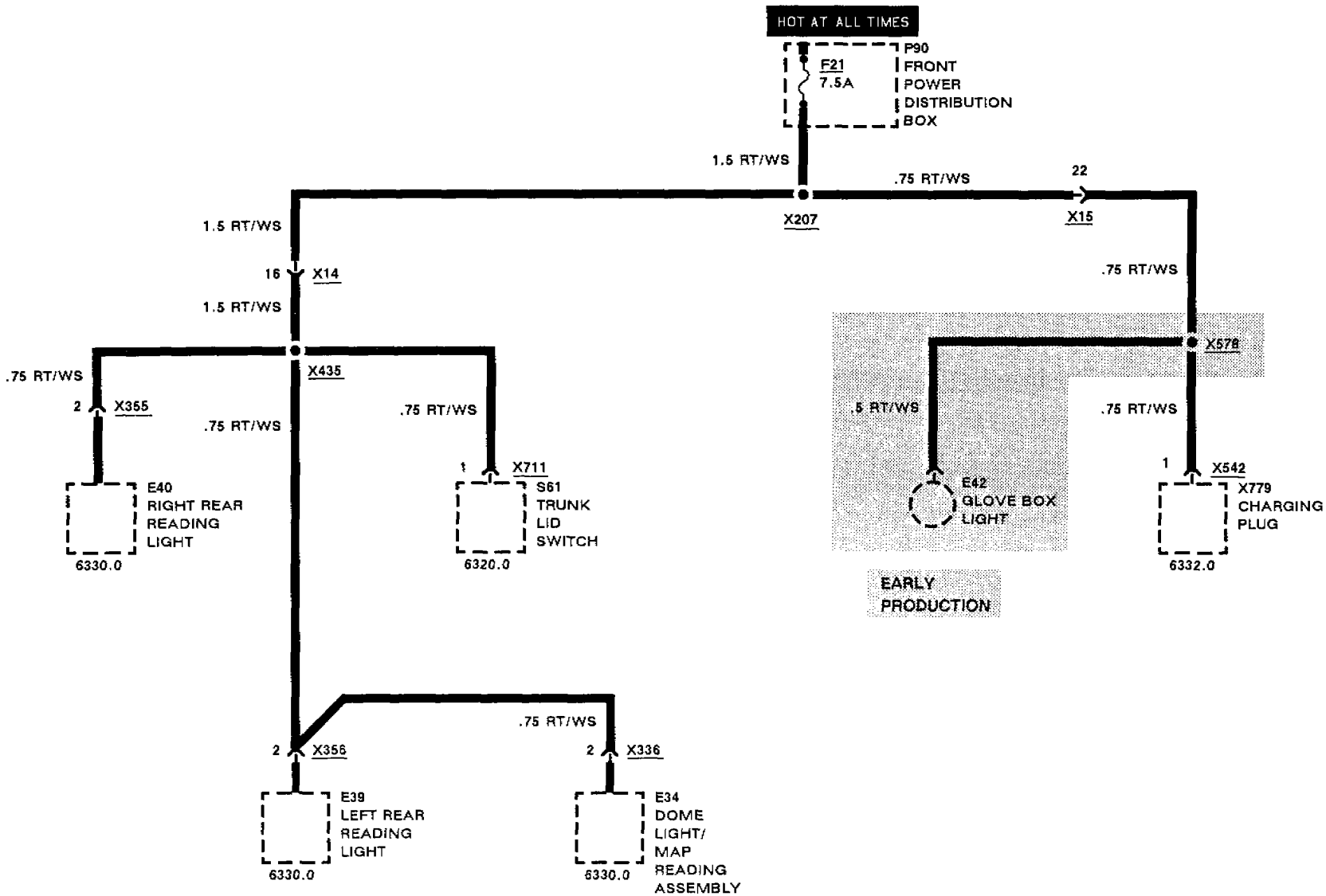
FUSES 19 AND 20



source: www.ow.no

FUSE DETAILS

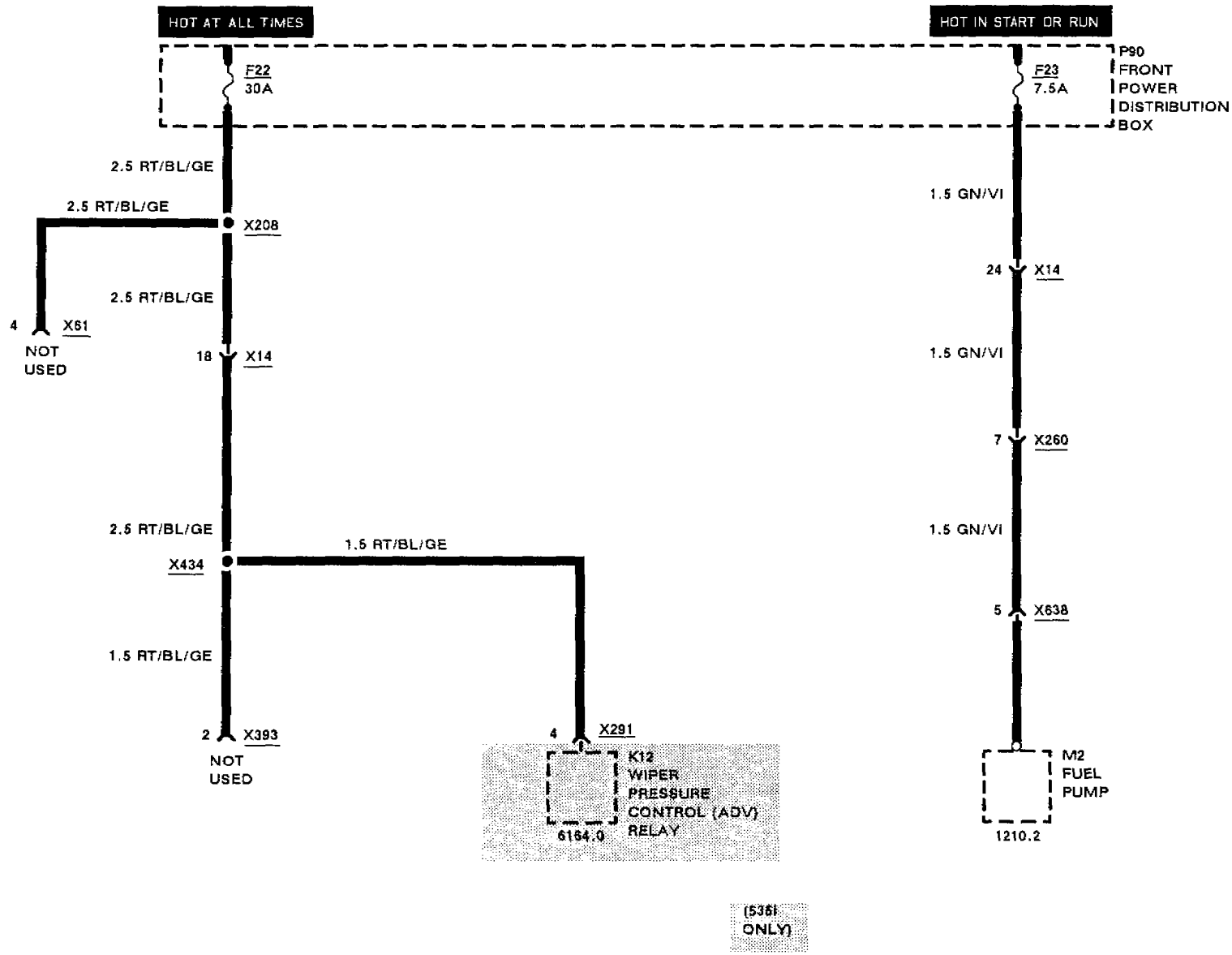
FUSE 21



source: www.ow.no

FUSE DETAILS

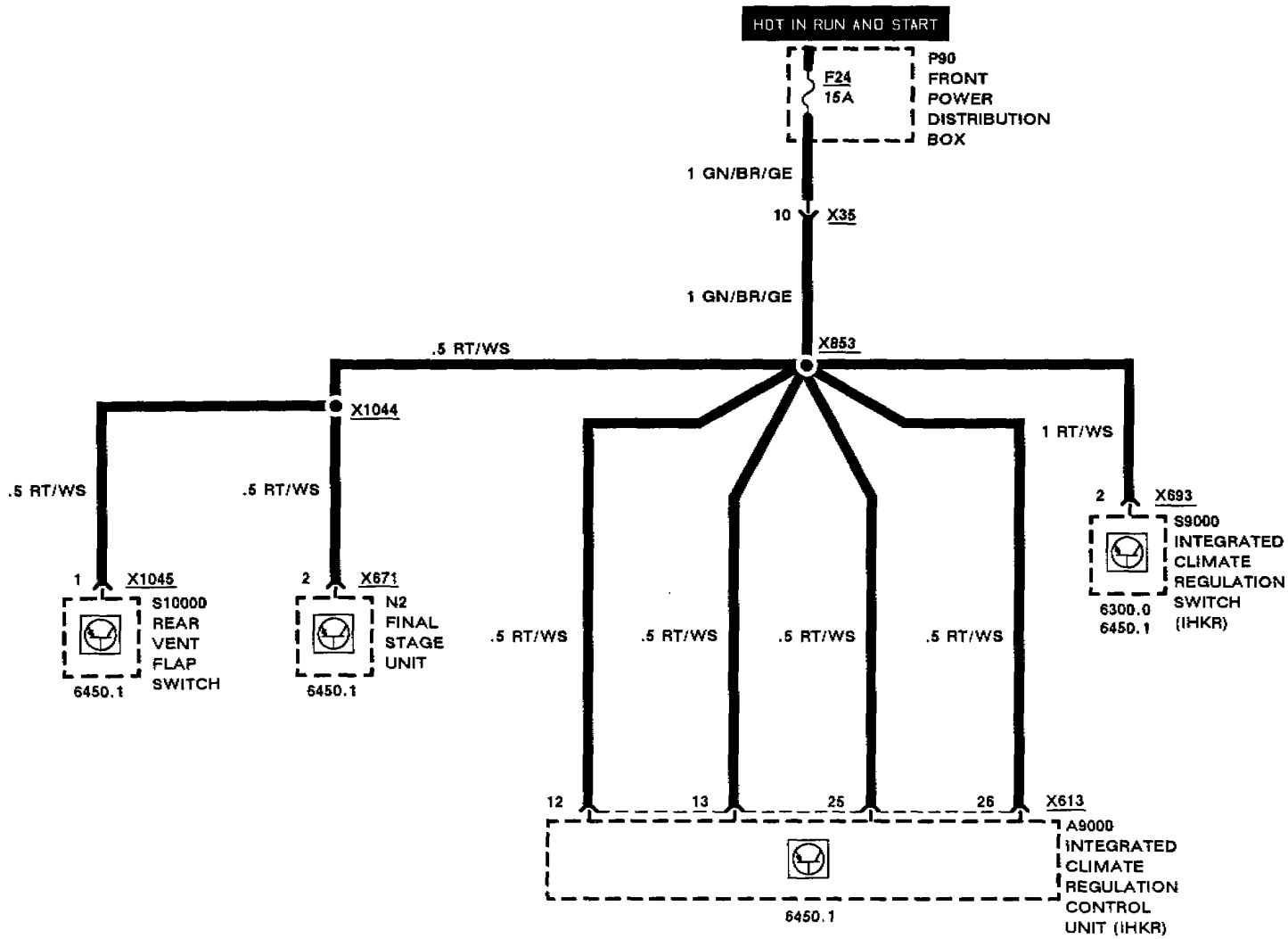
FUSES 22 AND 23



source: www.ow.no

FUSE DETAILS

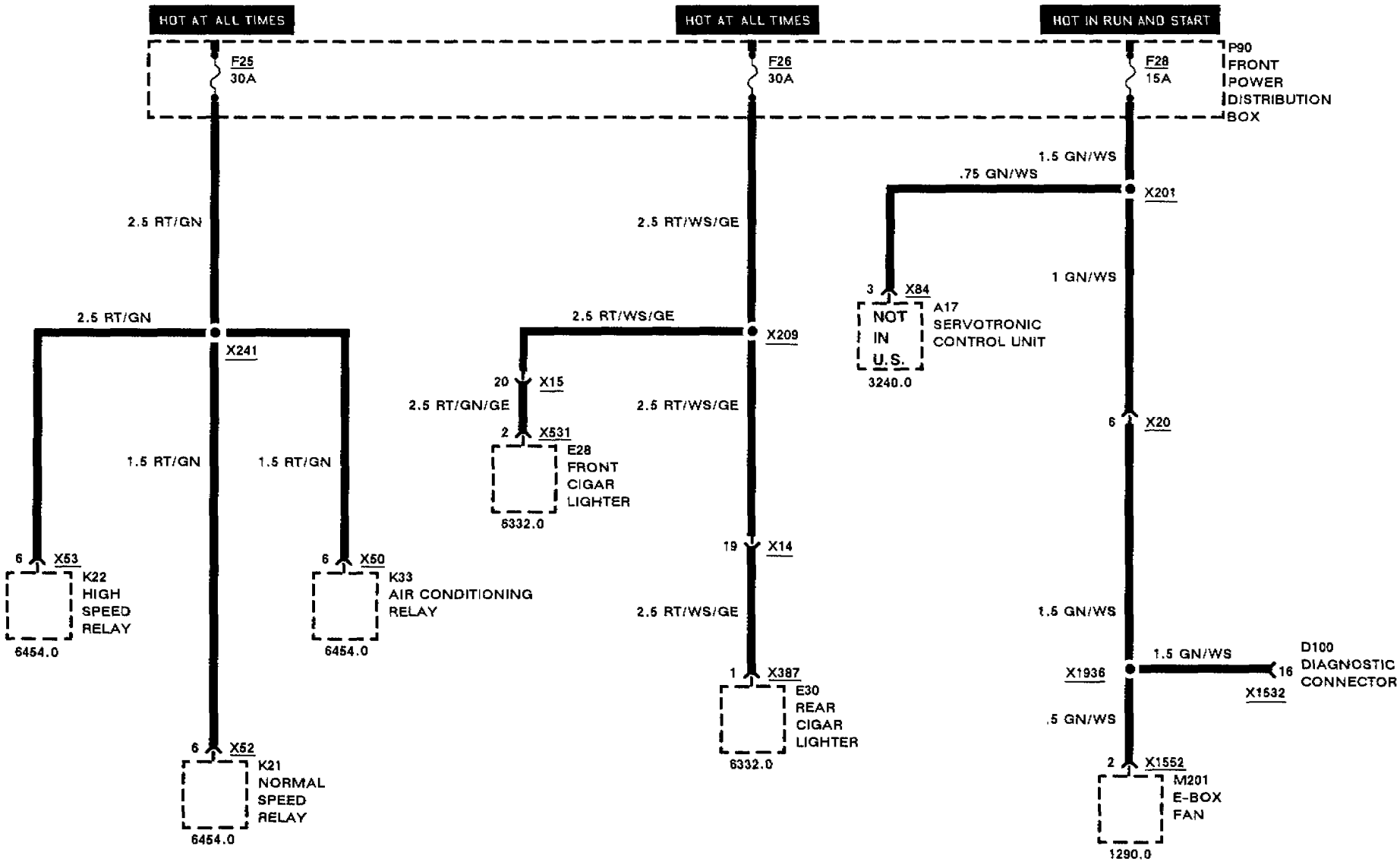
FUSE 24



source: www.ow.no

FUSE DETAILS

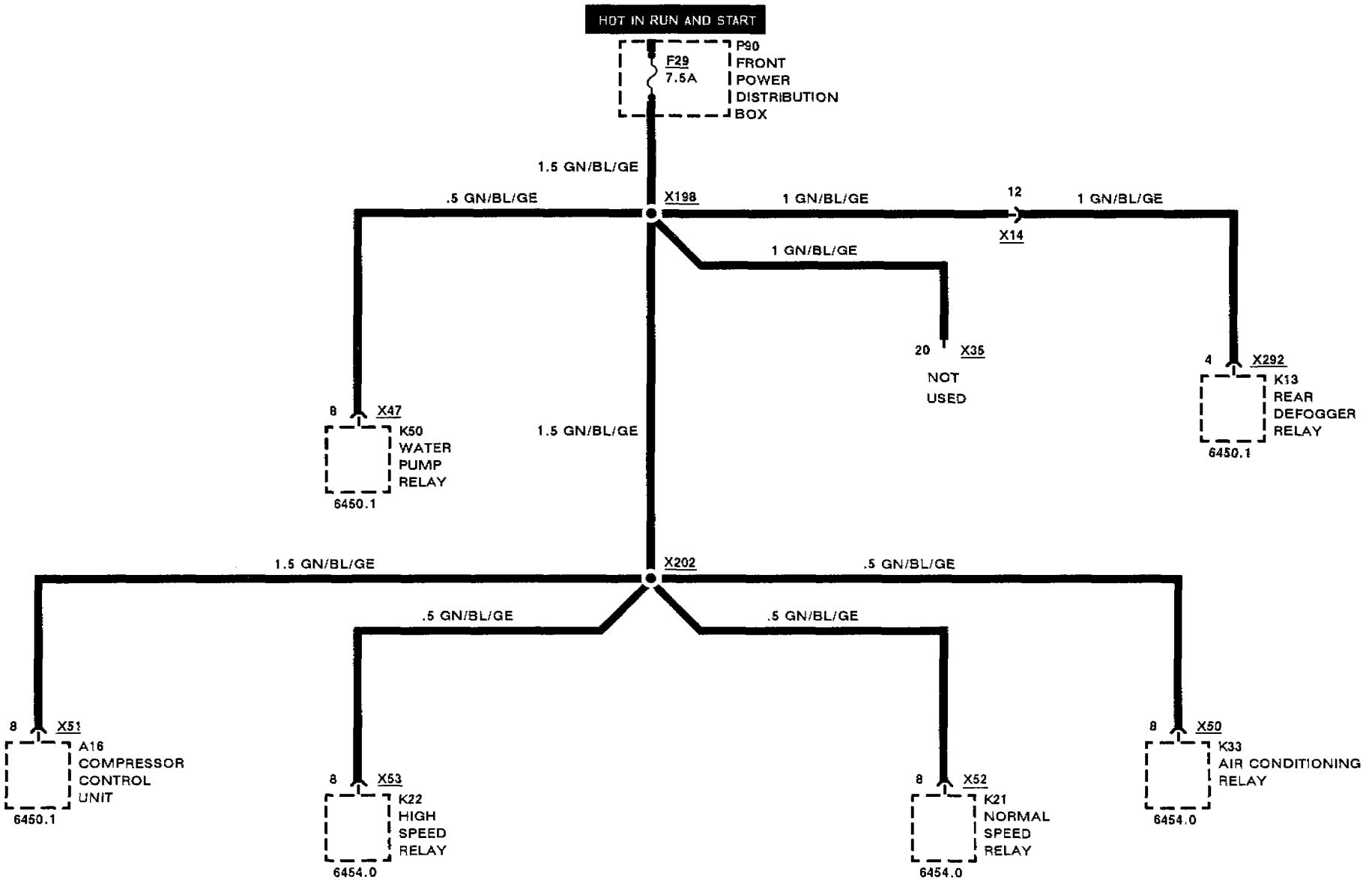
FUSES 25,26 AND 28



source: www.ow.no

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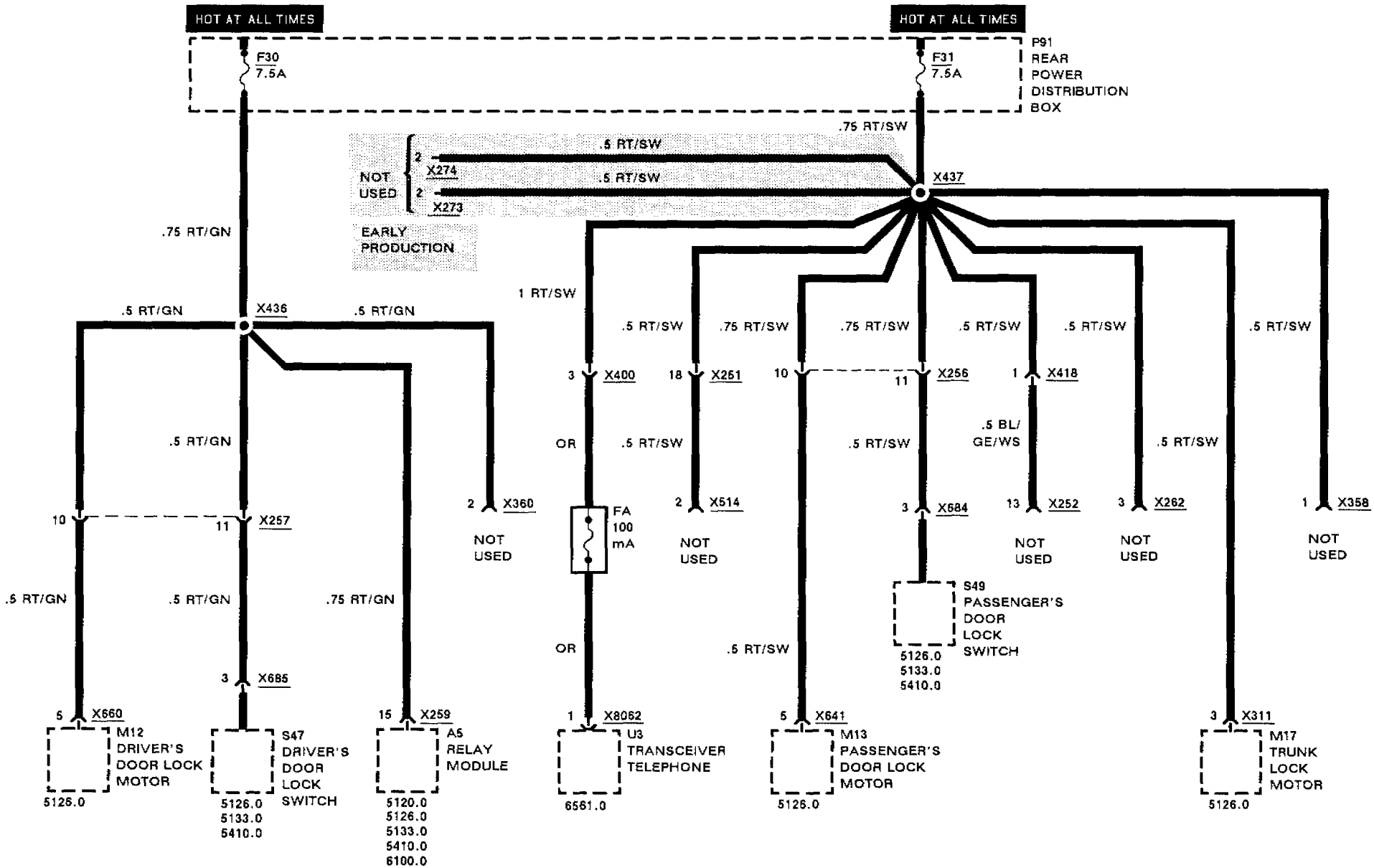
FUSE 29



source: www.ow.no

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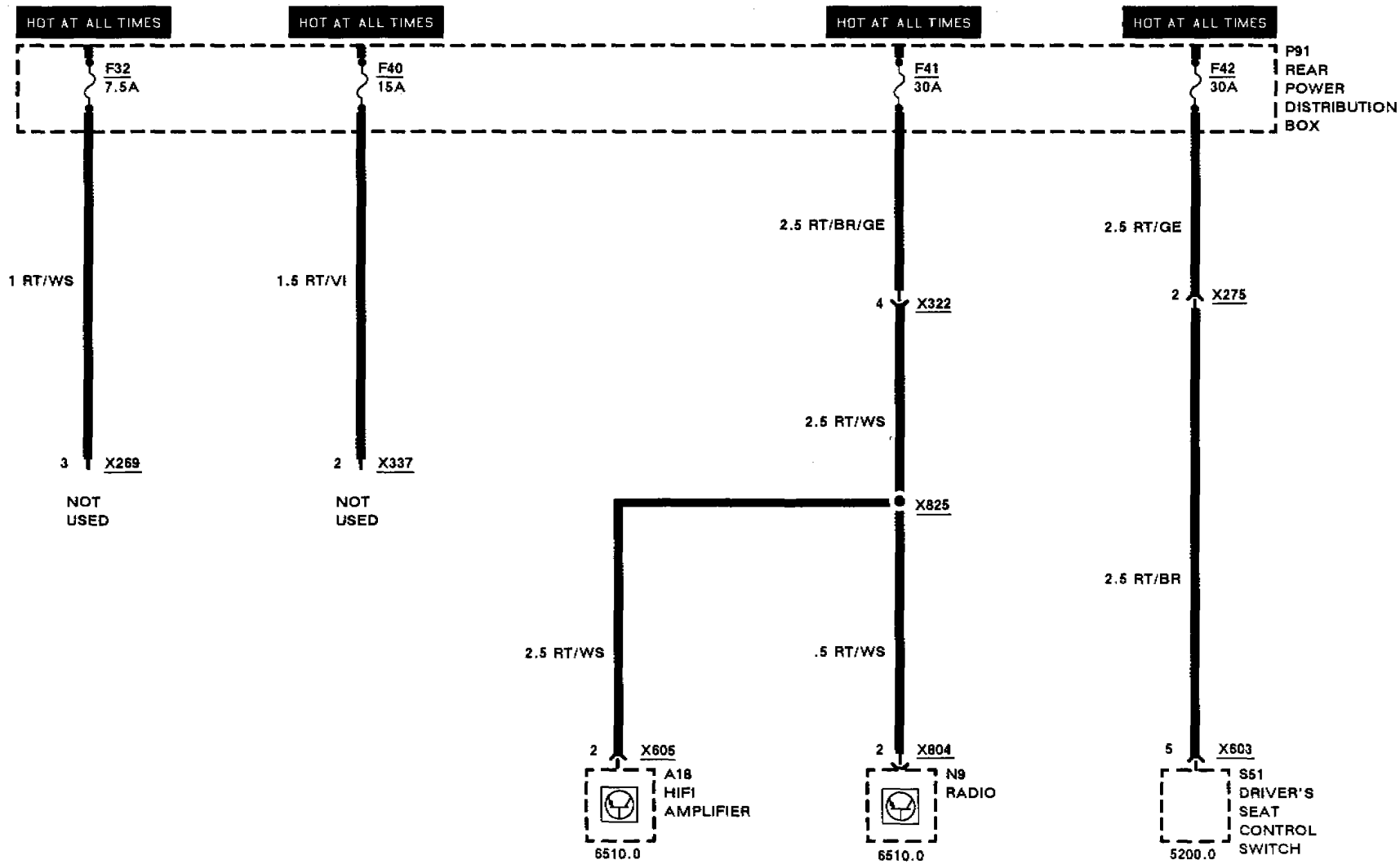
FUSES 30 AND 31



source: www.ow.no

FUSE DETAILS

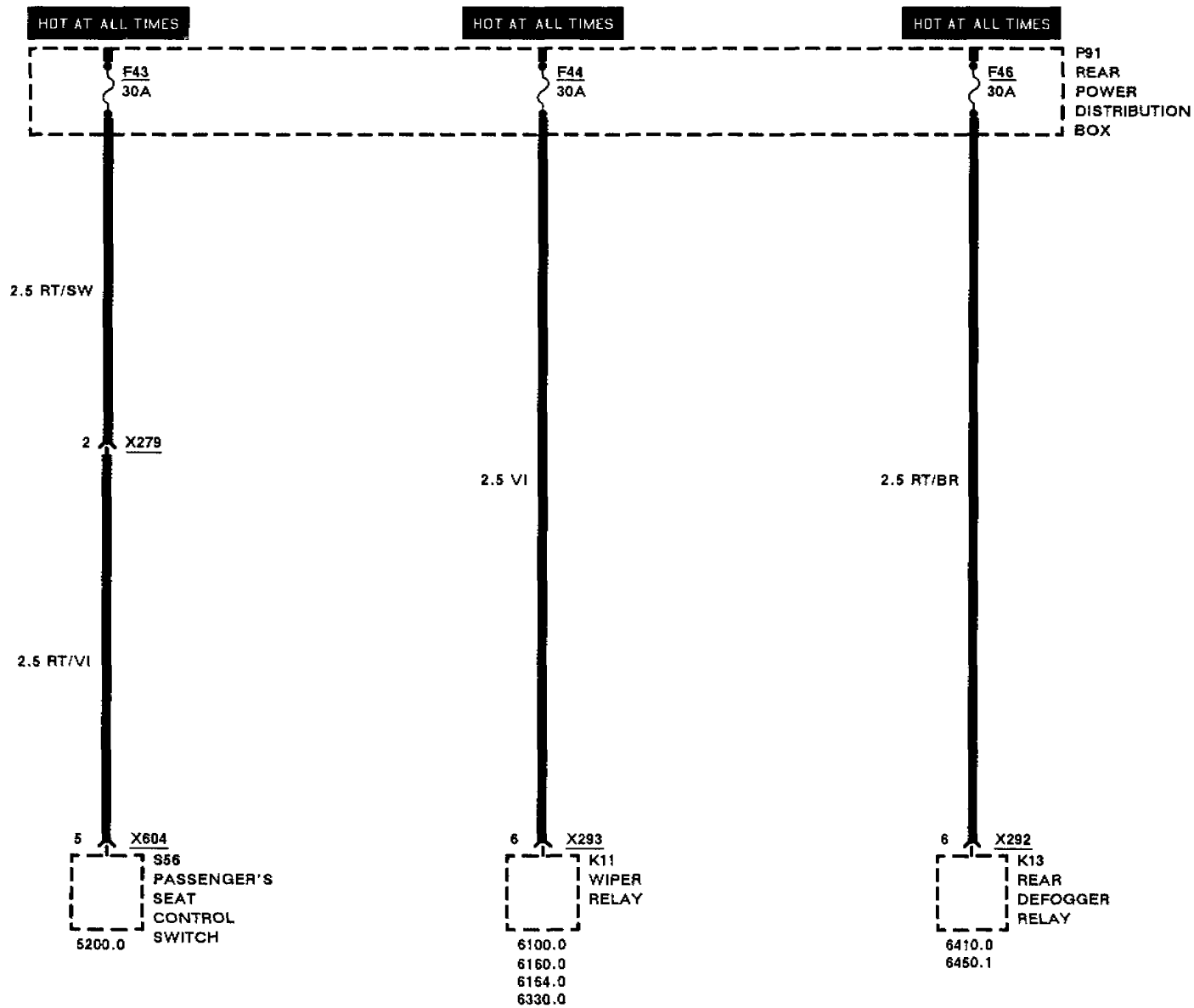
FUSES 32, 40, 41 AND 42



source: www.ow.no

FUSE DETAILS

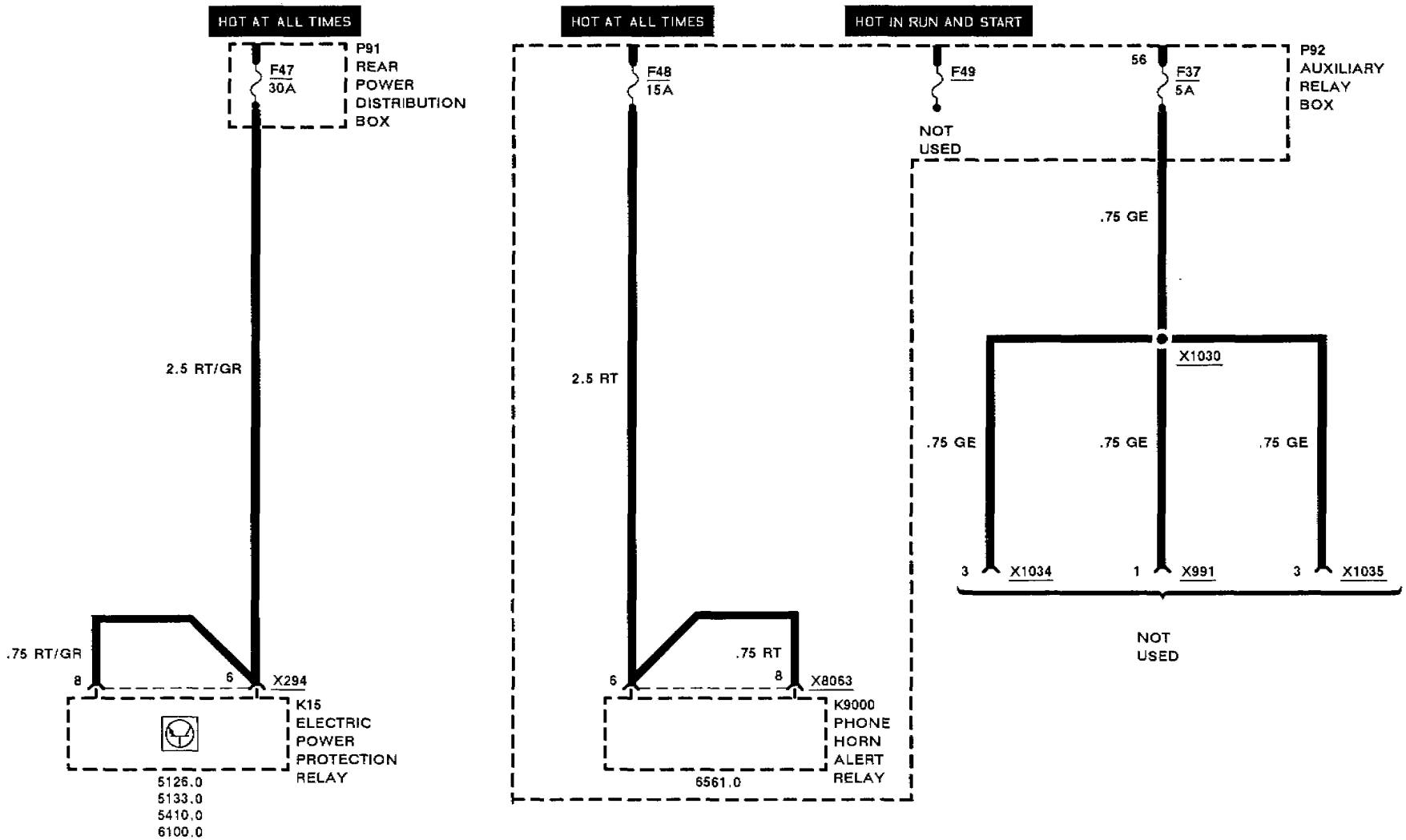
FUSES 43,44 AND 46



source: www.ow.no

FUSE DETAILS

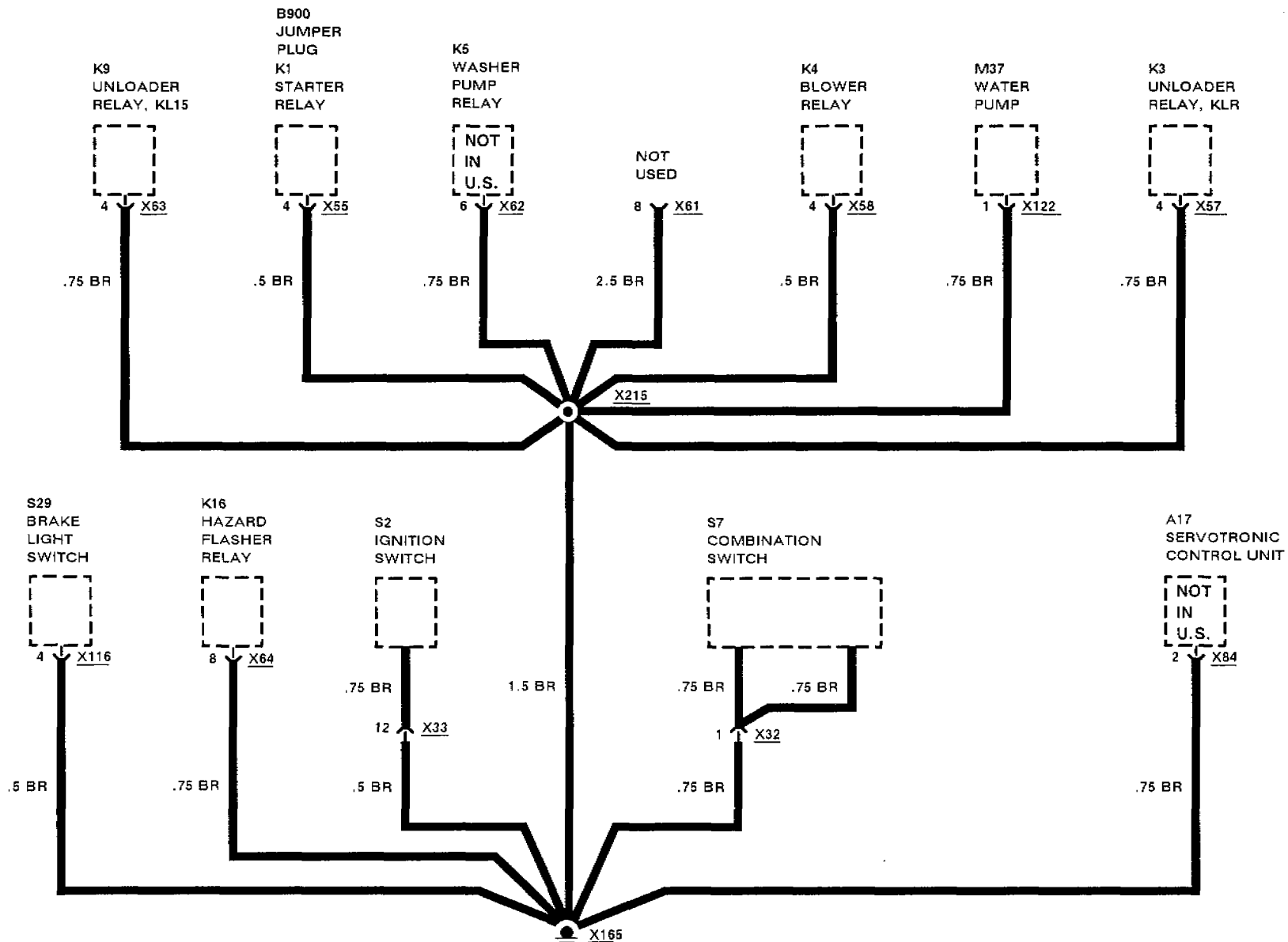
FUSES 37, 47, 48 AND 49



source: www.ow.no

GROUND DISTRIBUTION

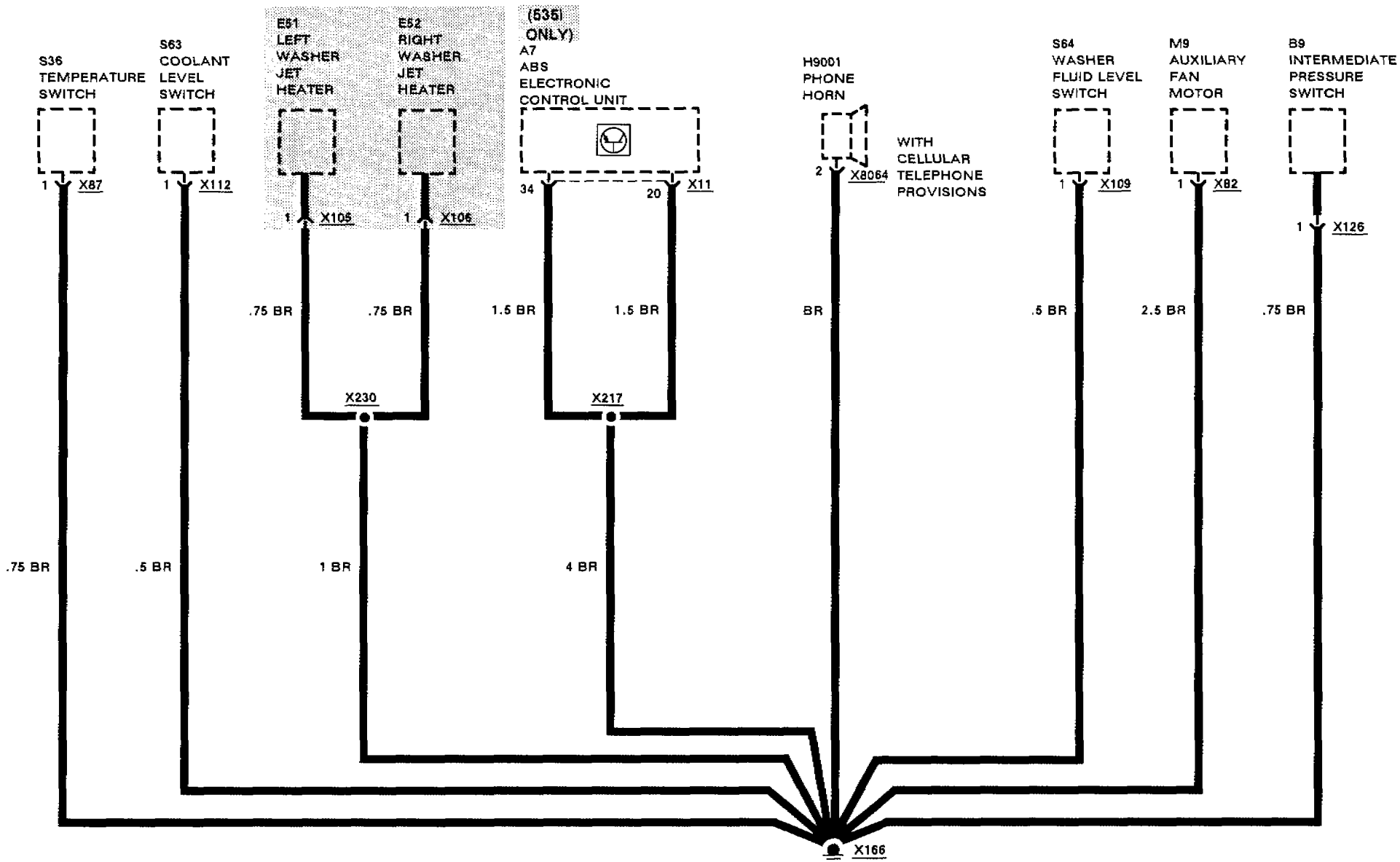
GROUND X165



source: www.ow.no

GROUND DISTRIBUTION

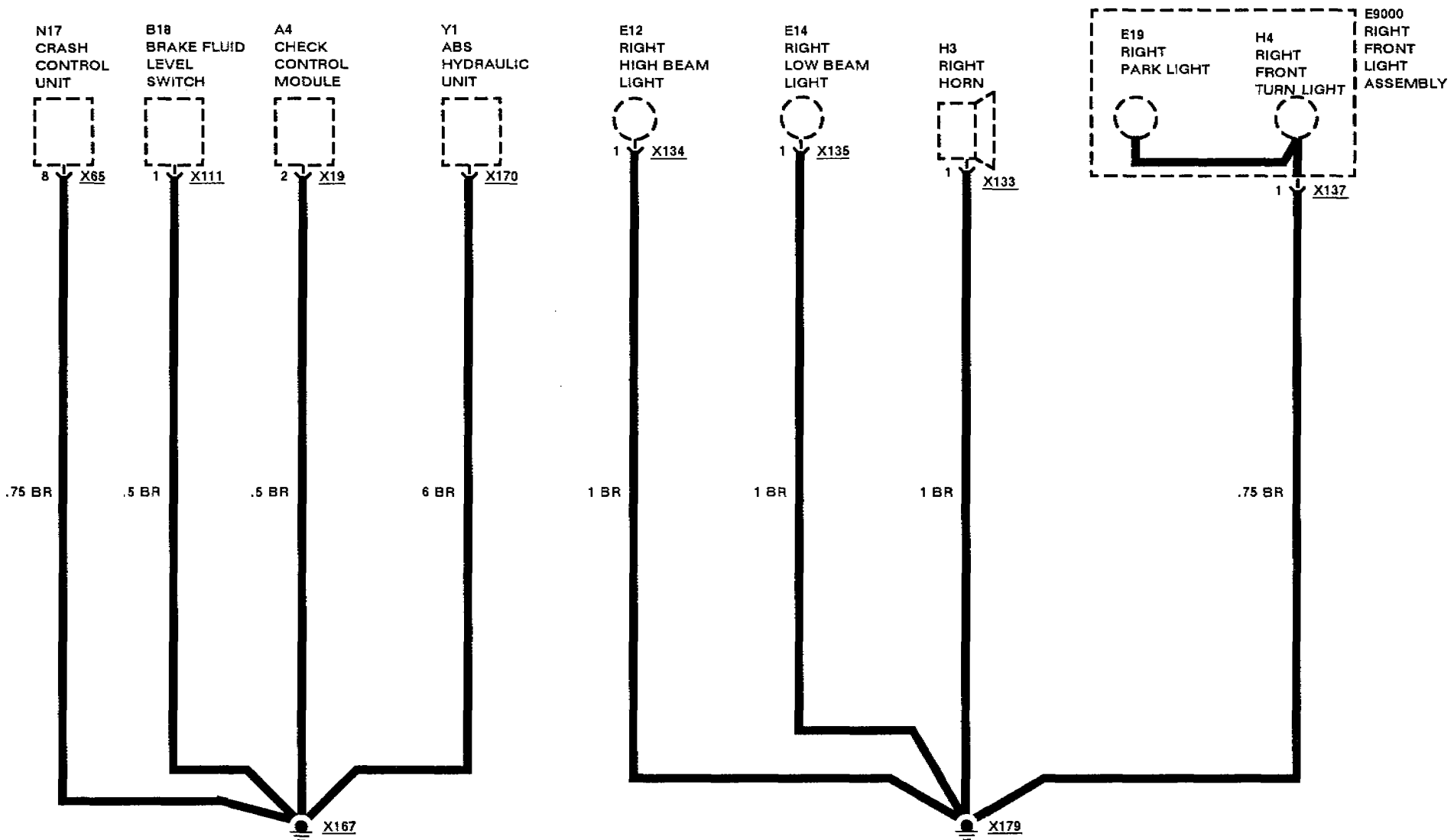
GROUND X166



source: www.ow.no

GROUND DISTRIBUTION

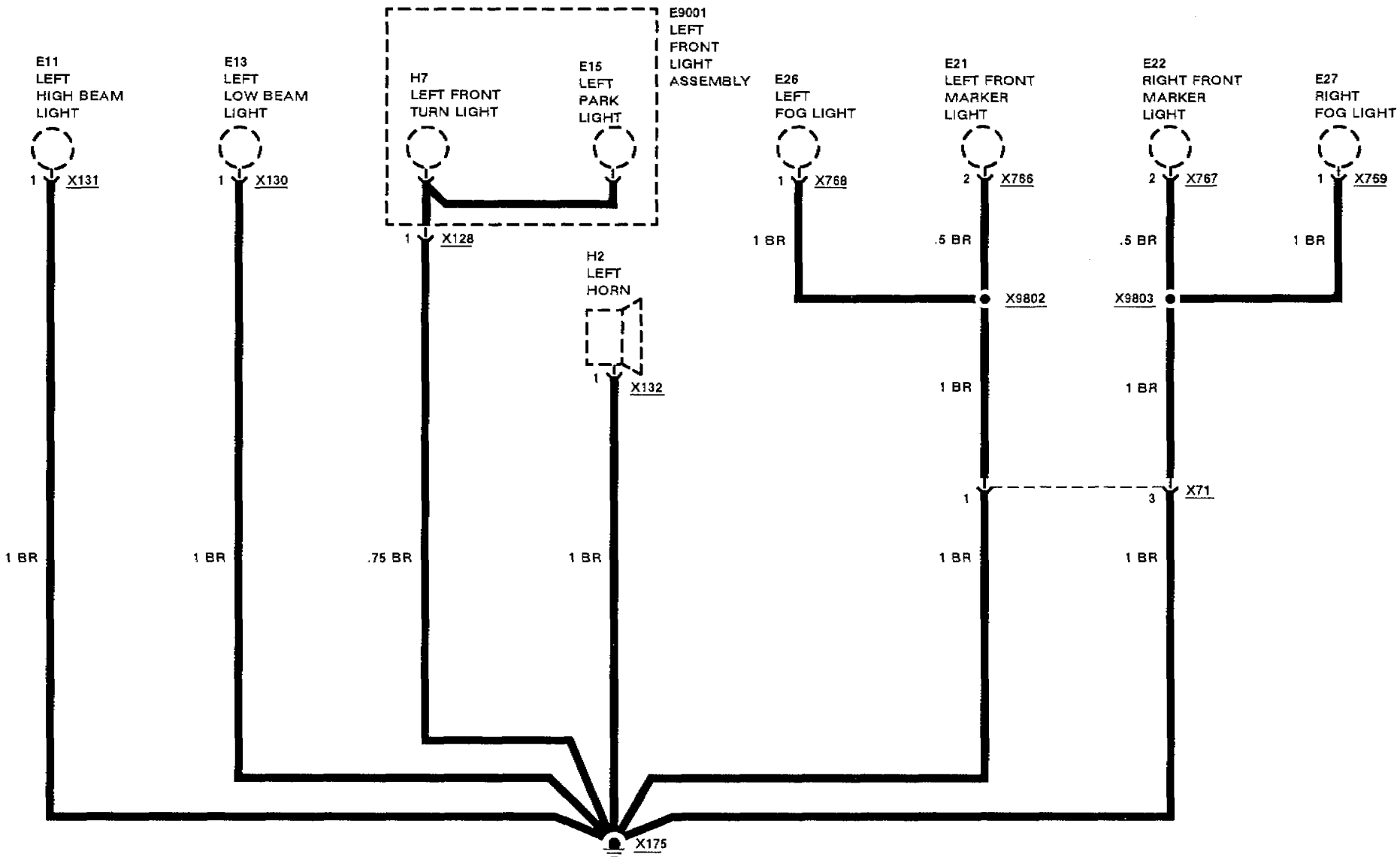
GROUNDS X167 AND X179



source: www.ow.no

GROUND DISTRIBUTION

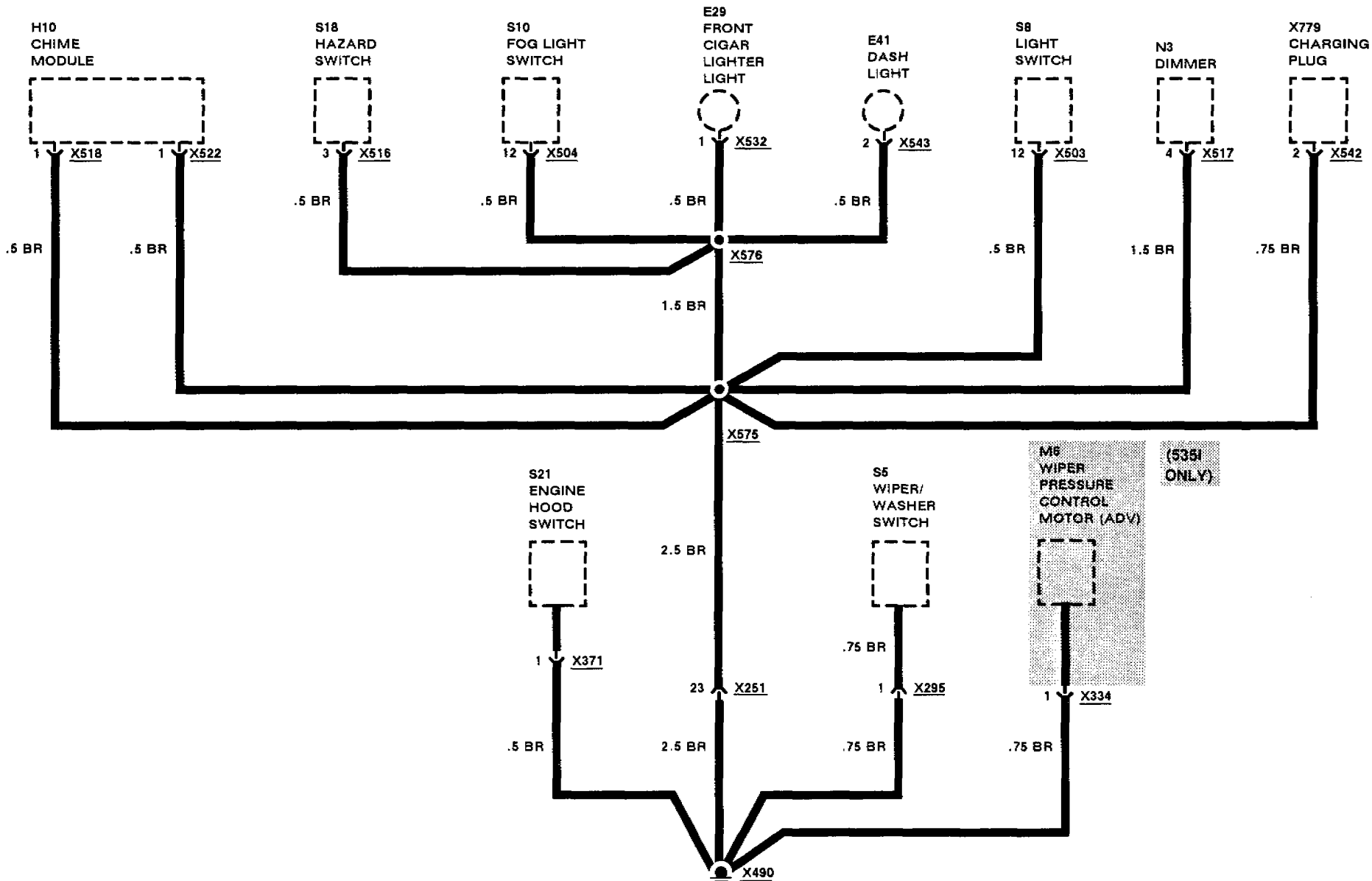
GROUND X175



source: www.ow.no

GROUND DISTRIBUTION

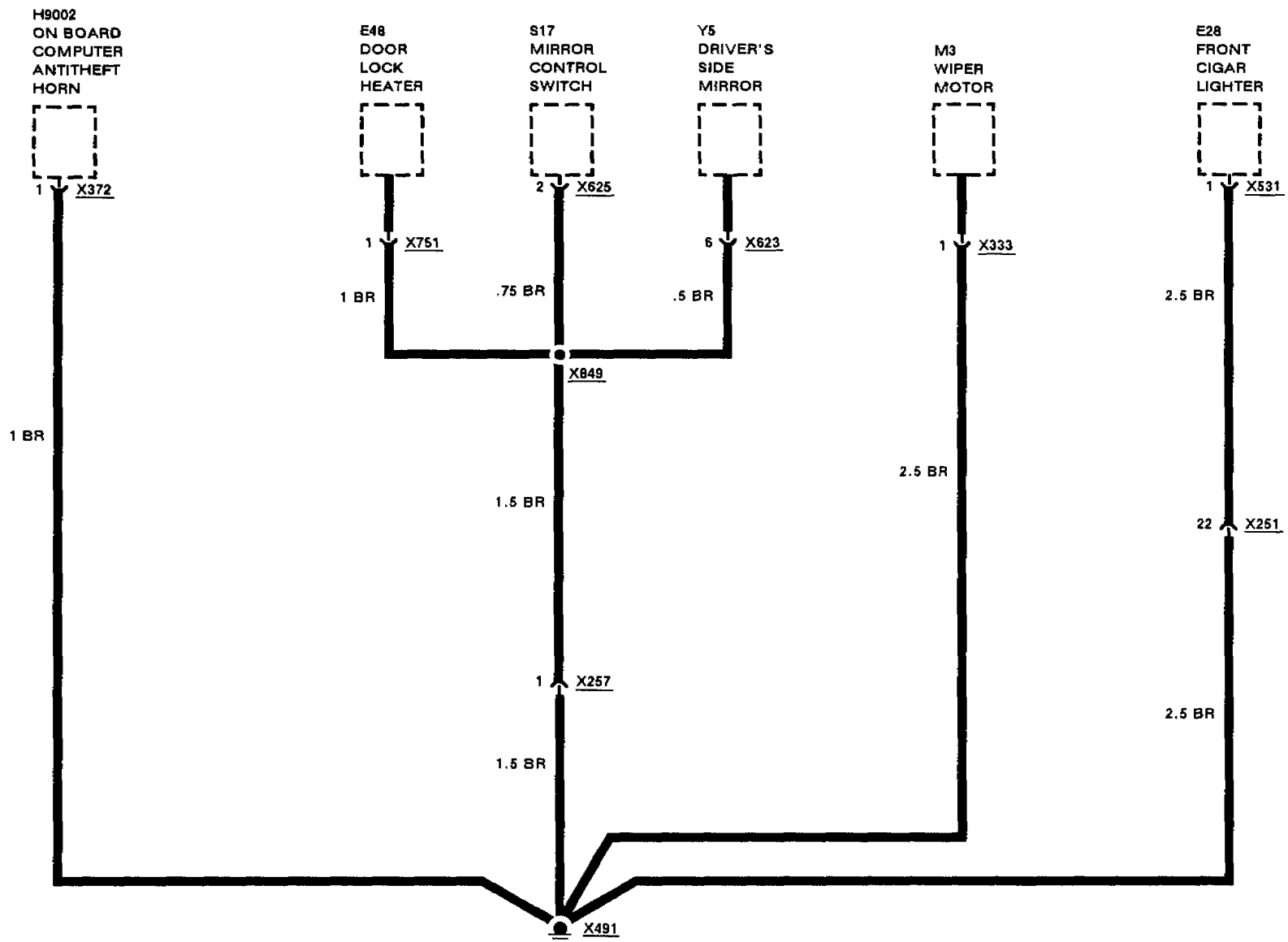
GROUND X490



source: www.ow.no

GROUND DISTRIBUTION

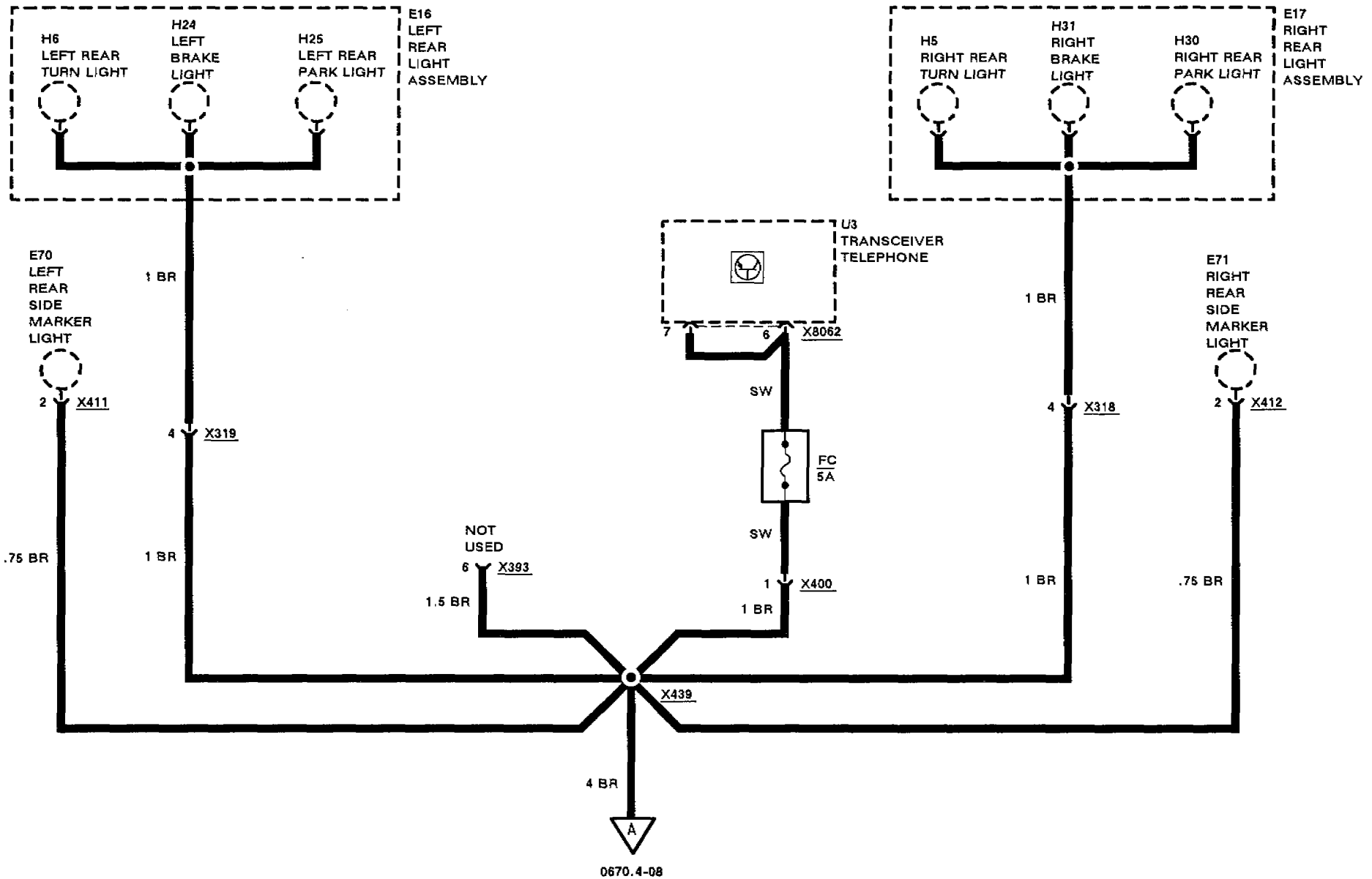
GROUND X491



source: www.ow.no

GROUND DISTRIBUTION

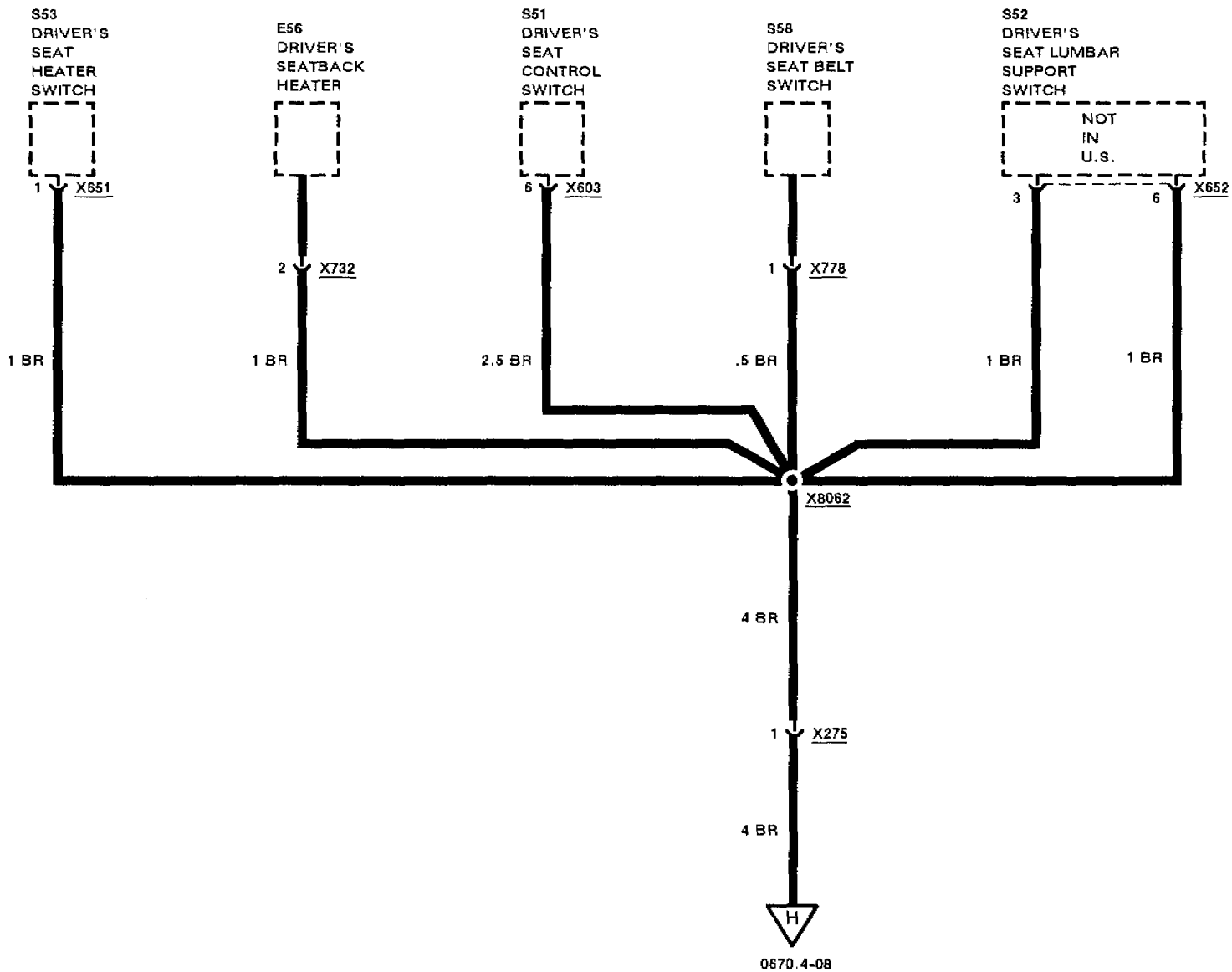
GROUND X492



source: www.ow.no

GROUND DISTRIBUTION

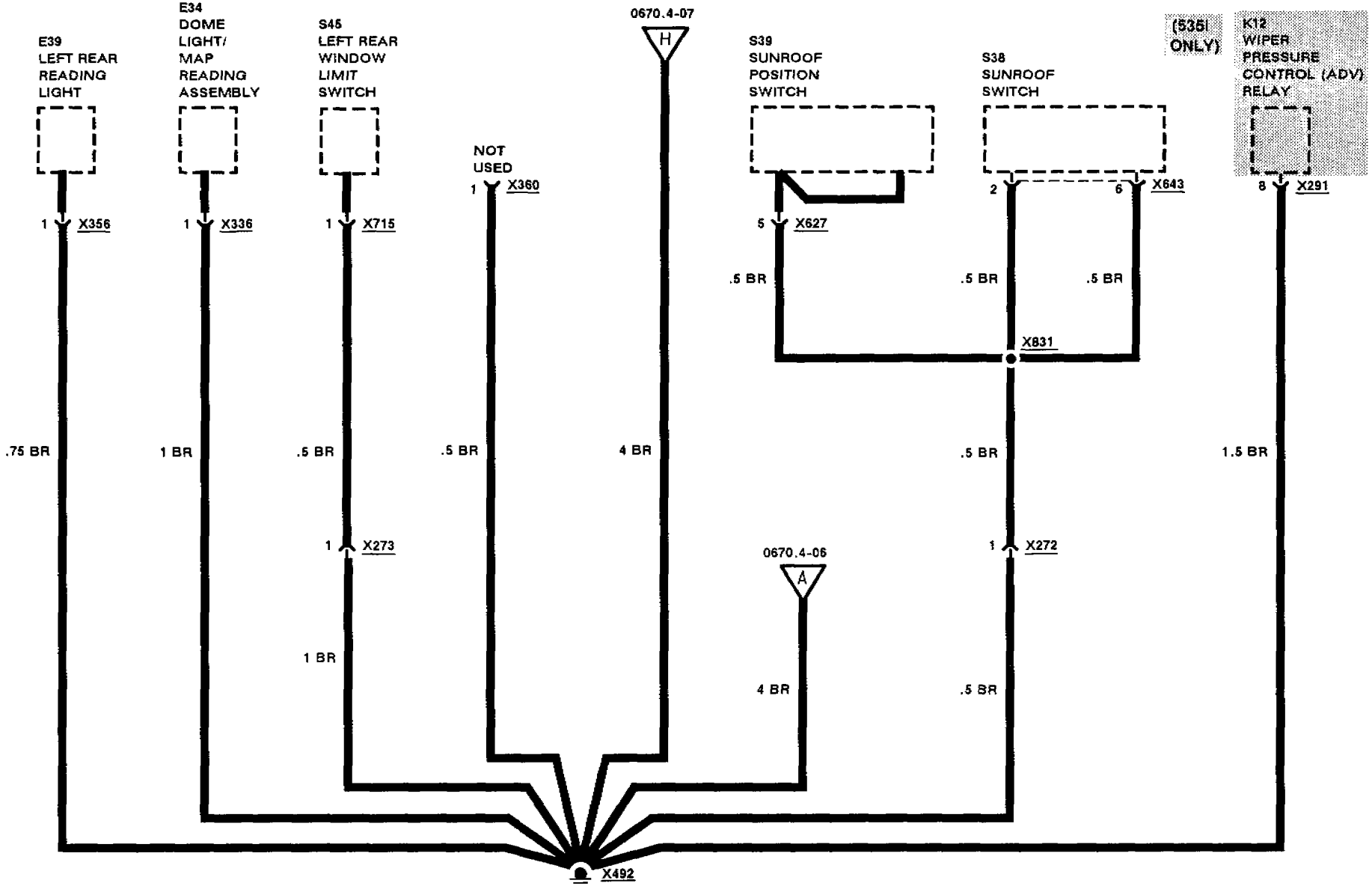
GROUND X492



source: www.ow.no

GROUND DISTRIBUTION

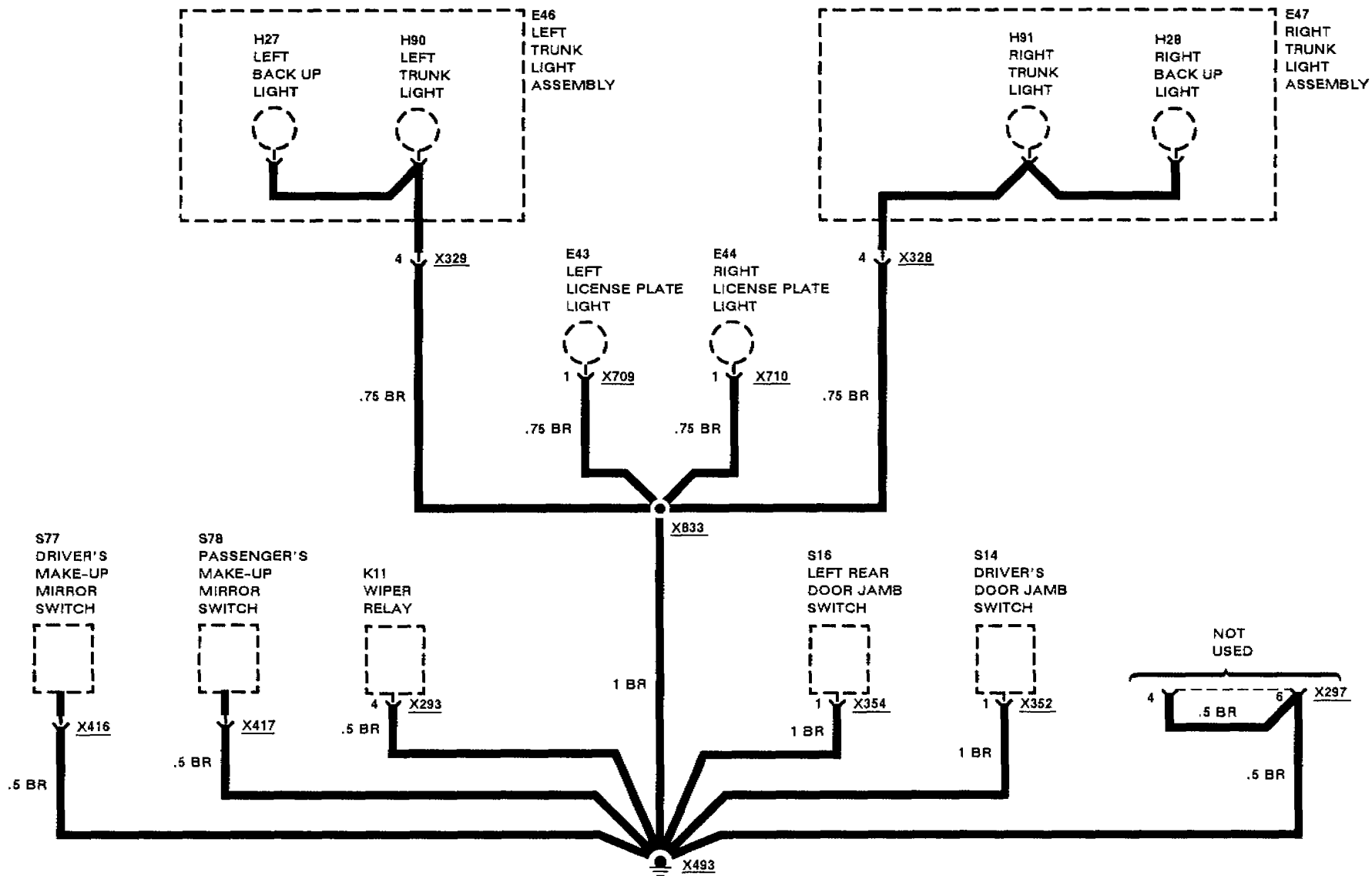
GROUND X492



source: www.ow.no

GROUND DISTRIBUTION

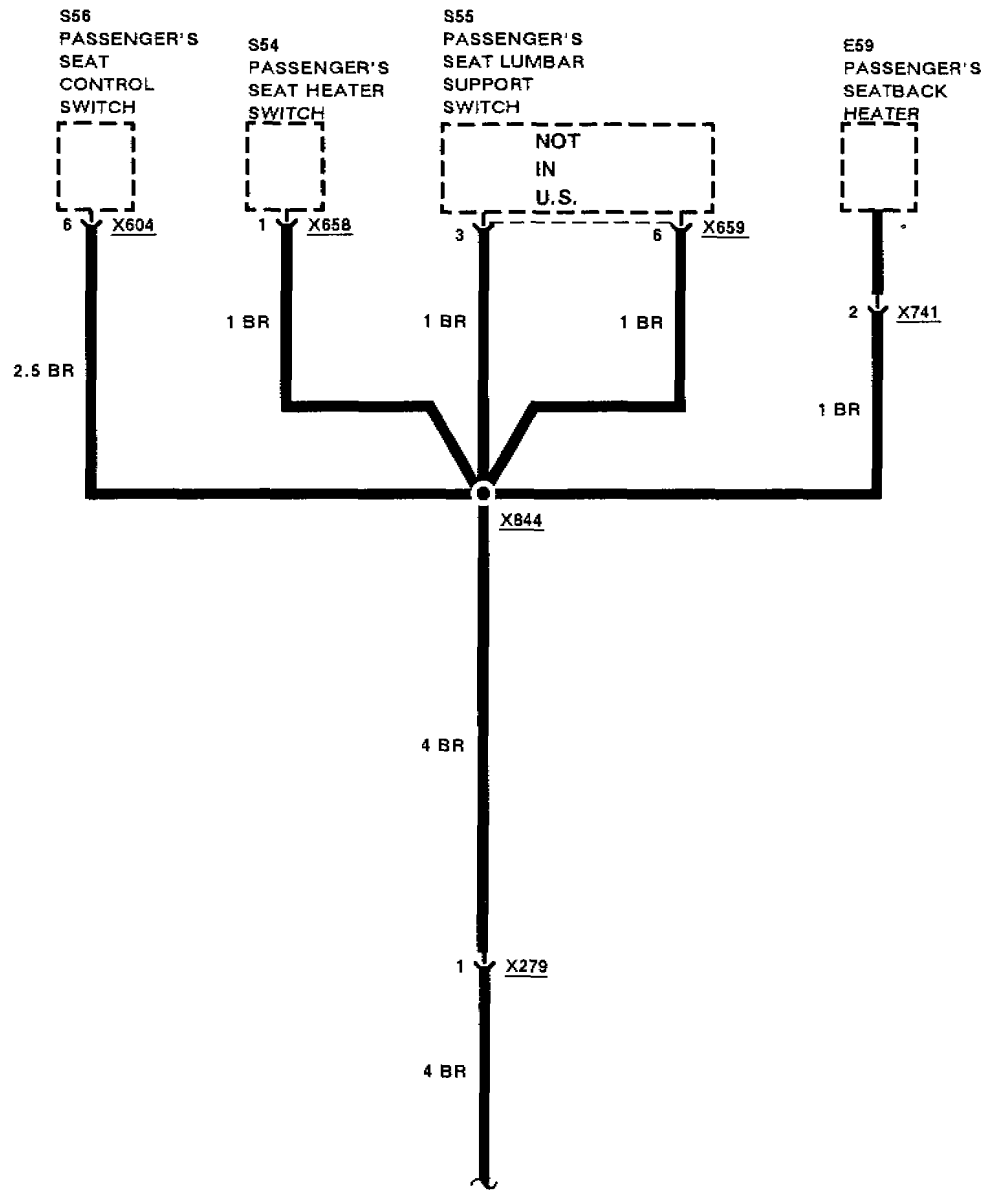
GROUND X493



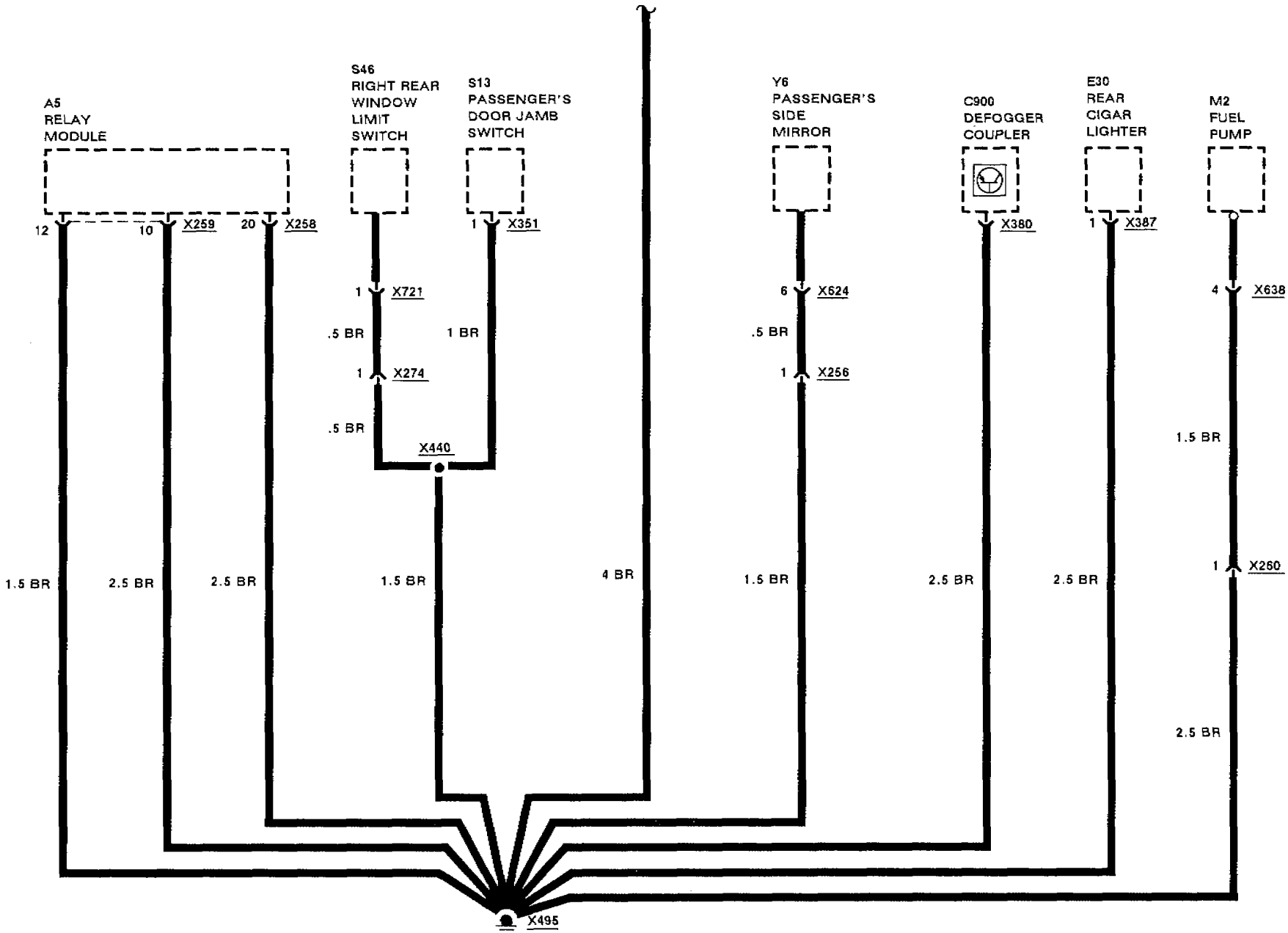
source: www.ow.no

GROUND DISTRIBUTION

GROUND X495



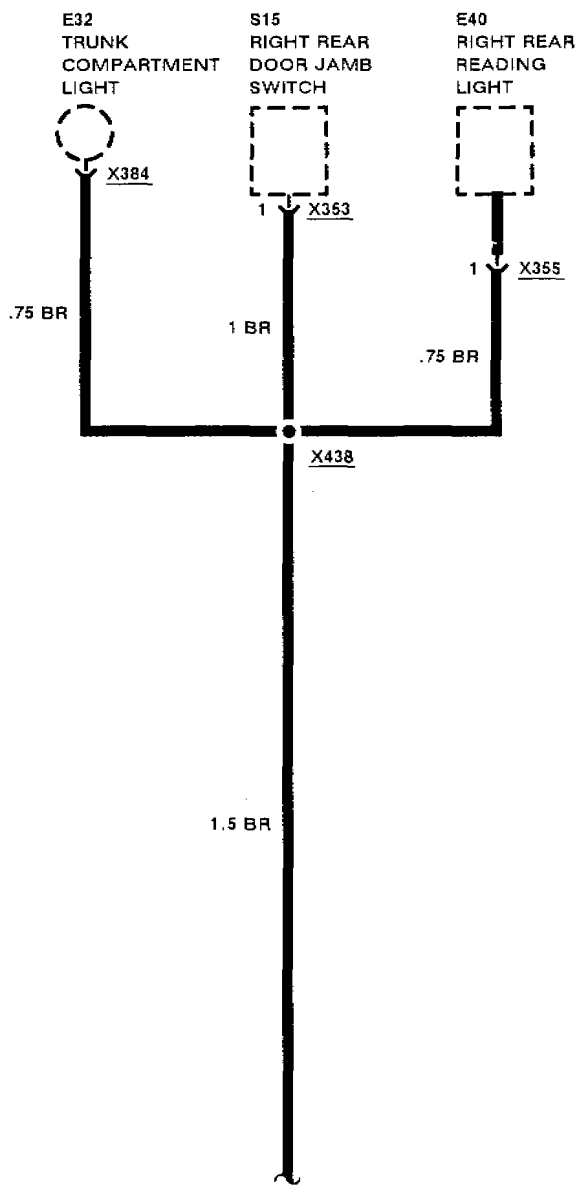
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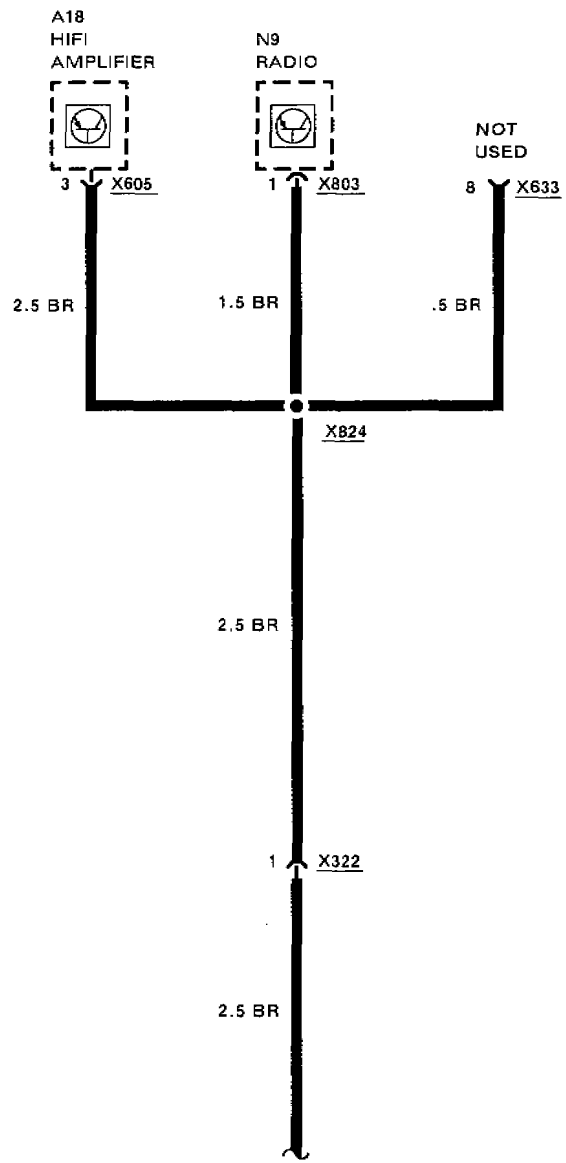


source: www.ow.no

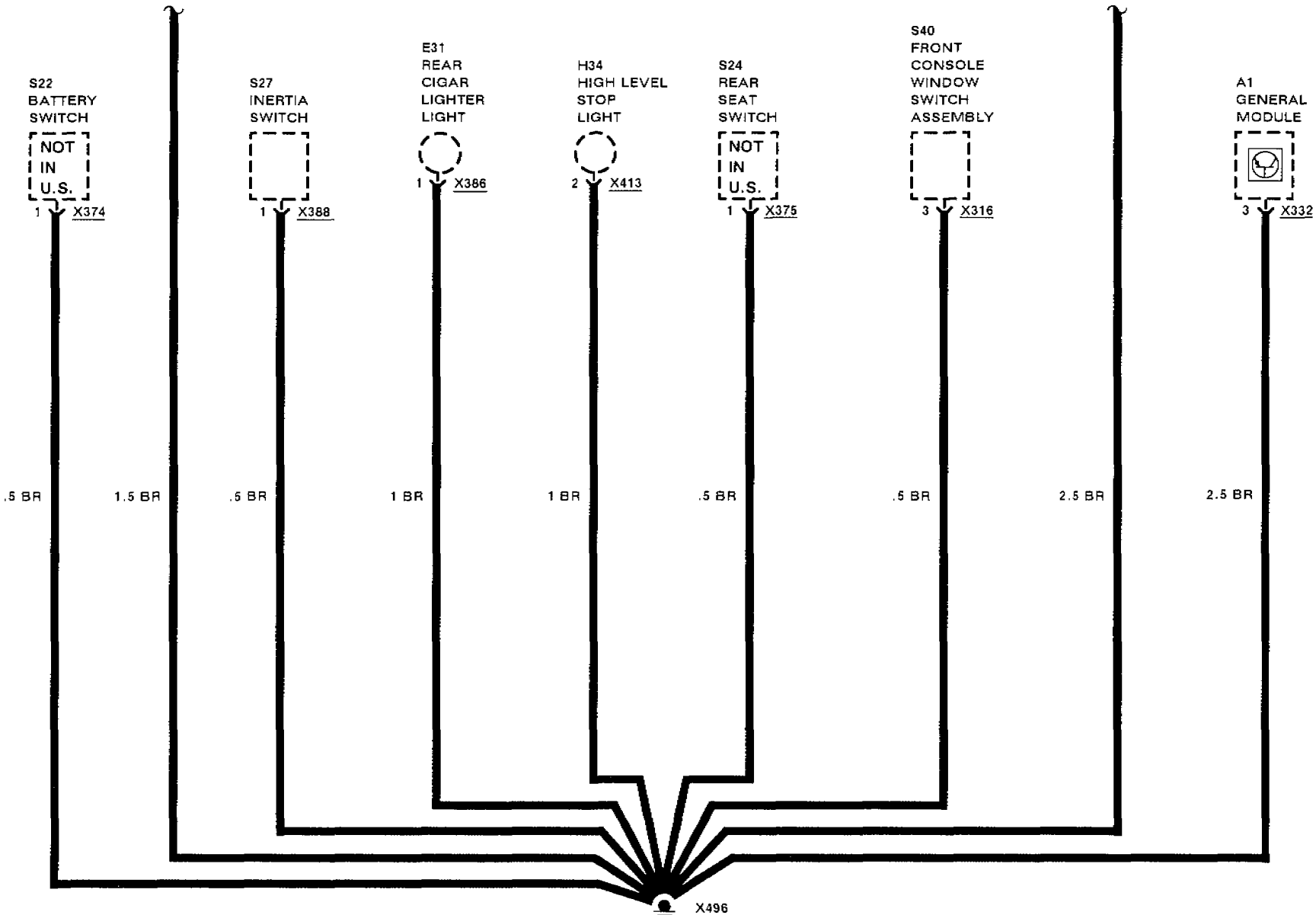
GROUND DISTRIBUTION

GROUND X496





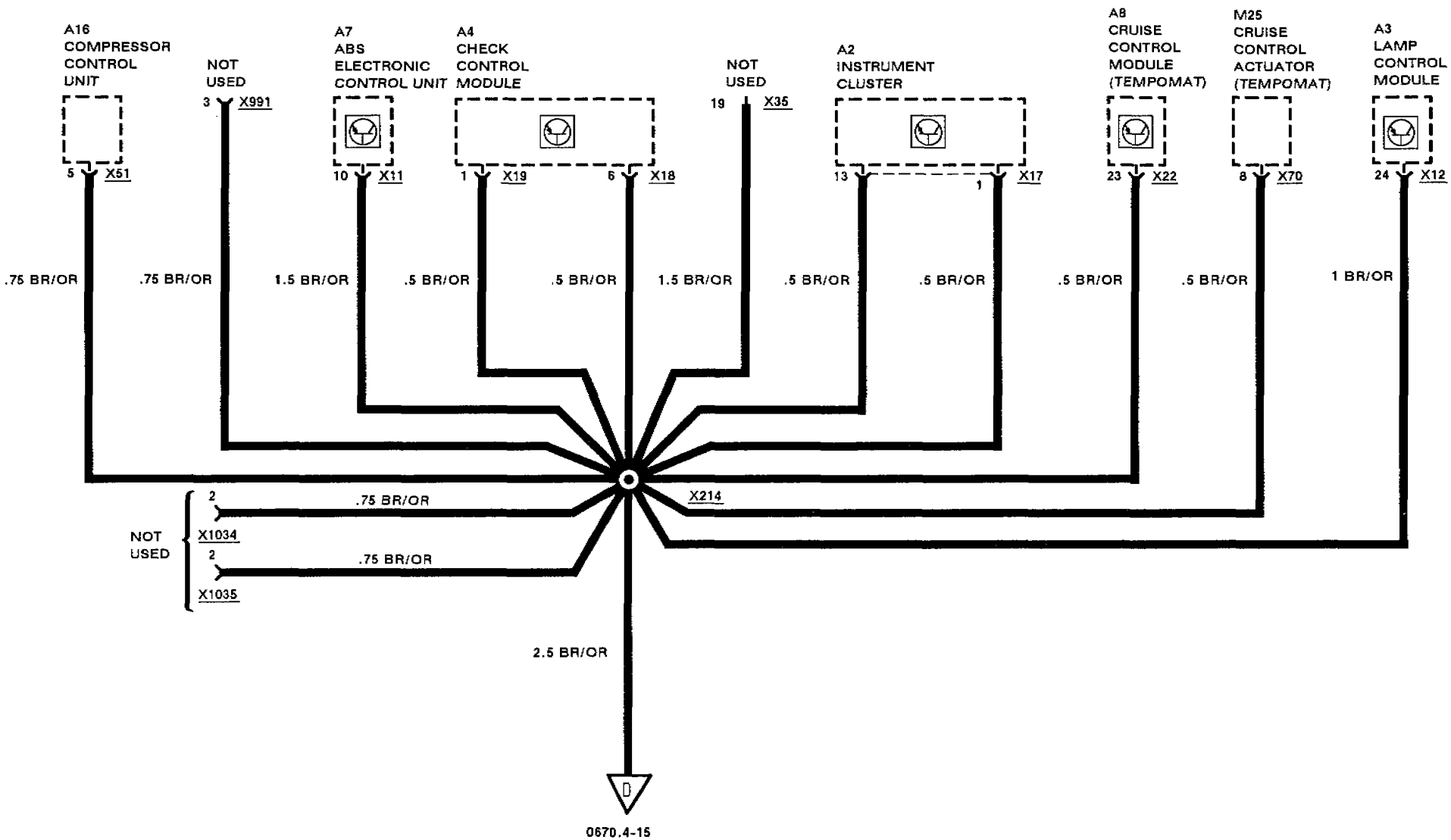
source: www.ow.no



source: www.ow.no

GROUND DISTRIBUTION

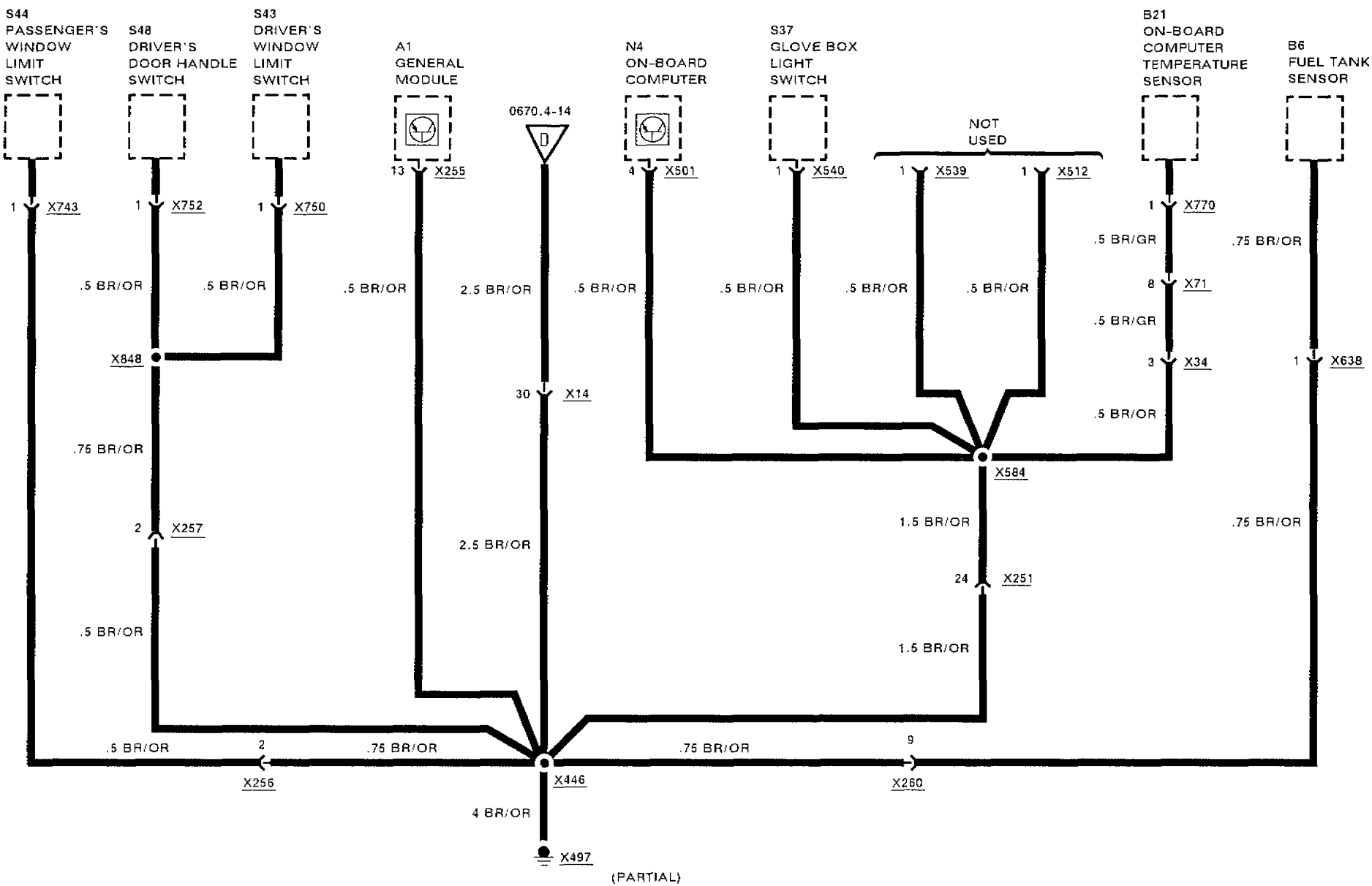
GROUND X497



source: www.ow.no

GROUND DISTRIBUTION

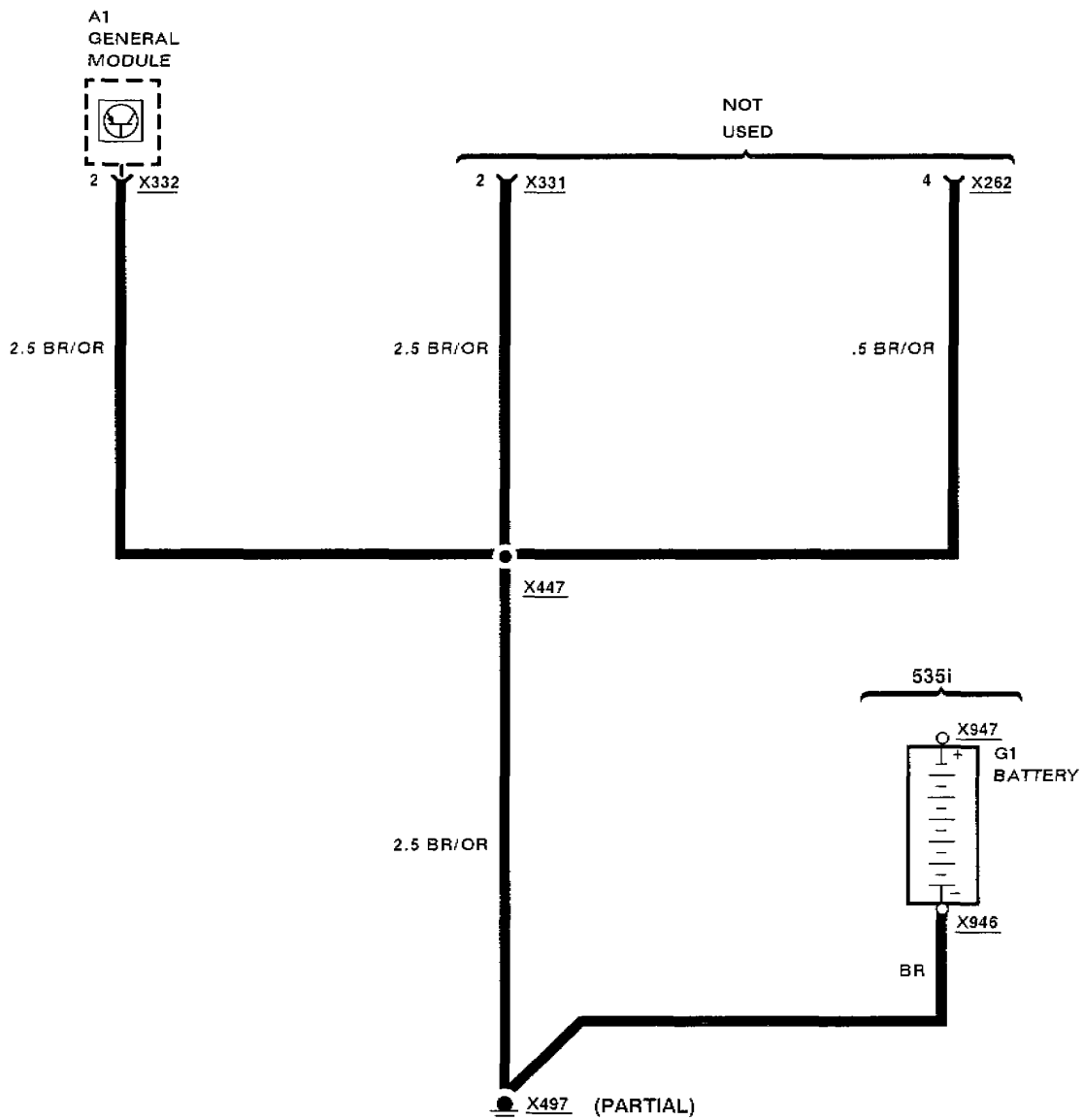
GROUND X497



source: www.ow.no

GROUND DISTRIBUTION

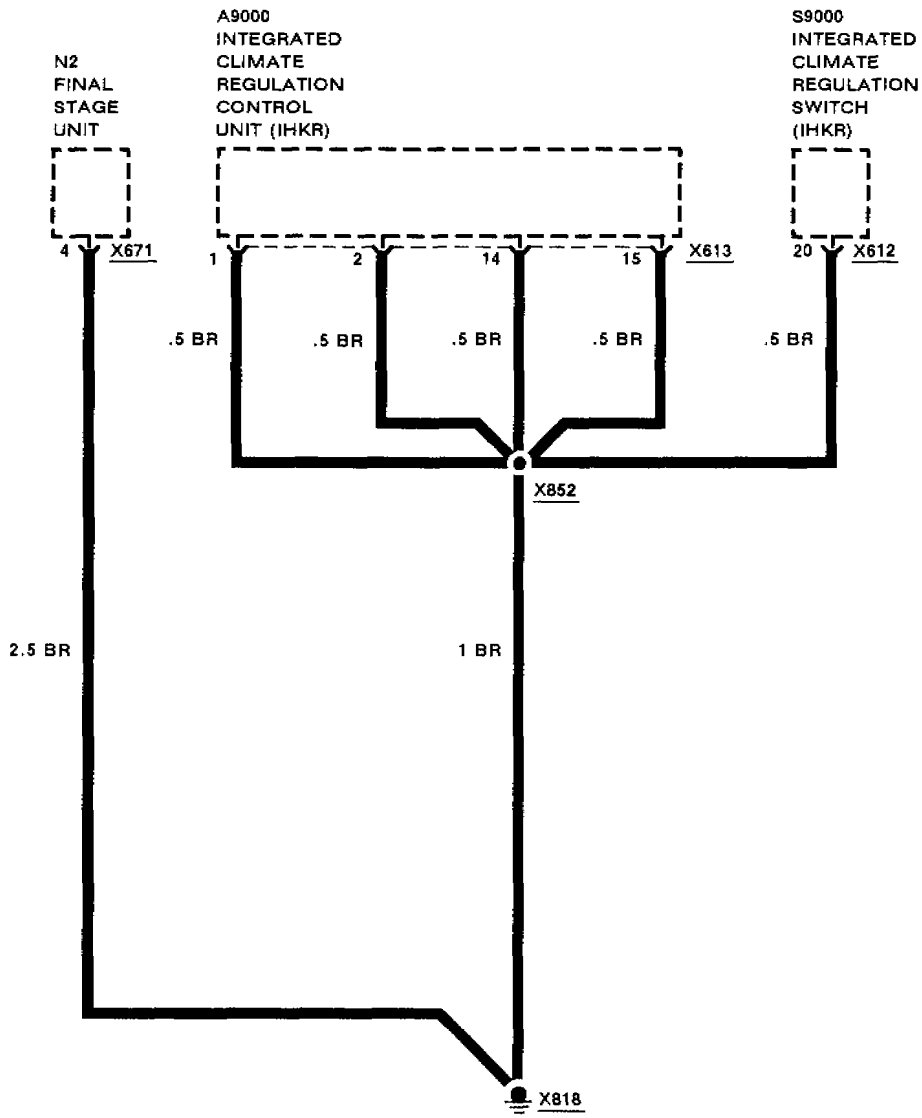
GROUND X497

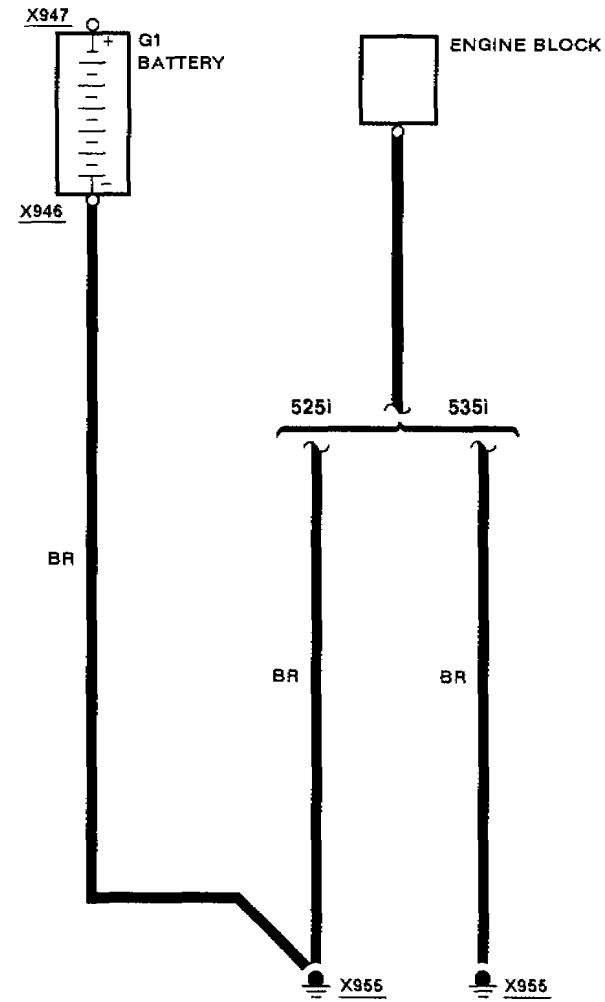


source: www.ow.no

GROUND DISTRIBUTION

GROUNDS X818 AND X955



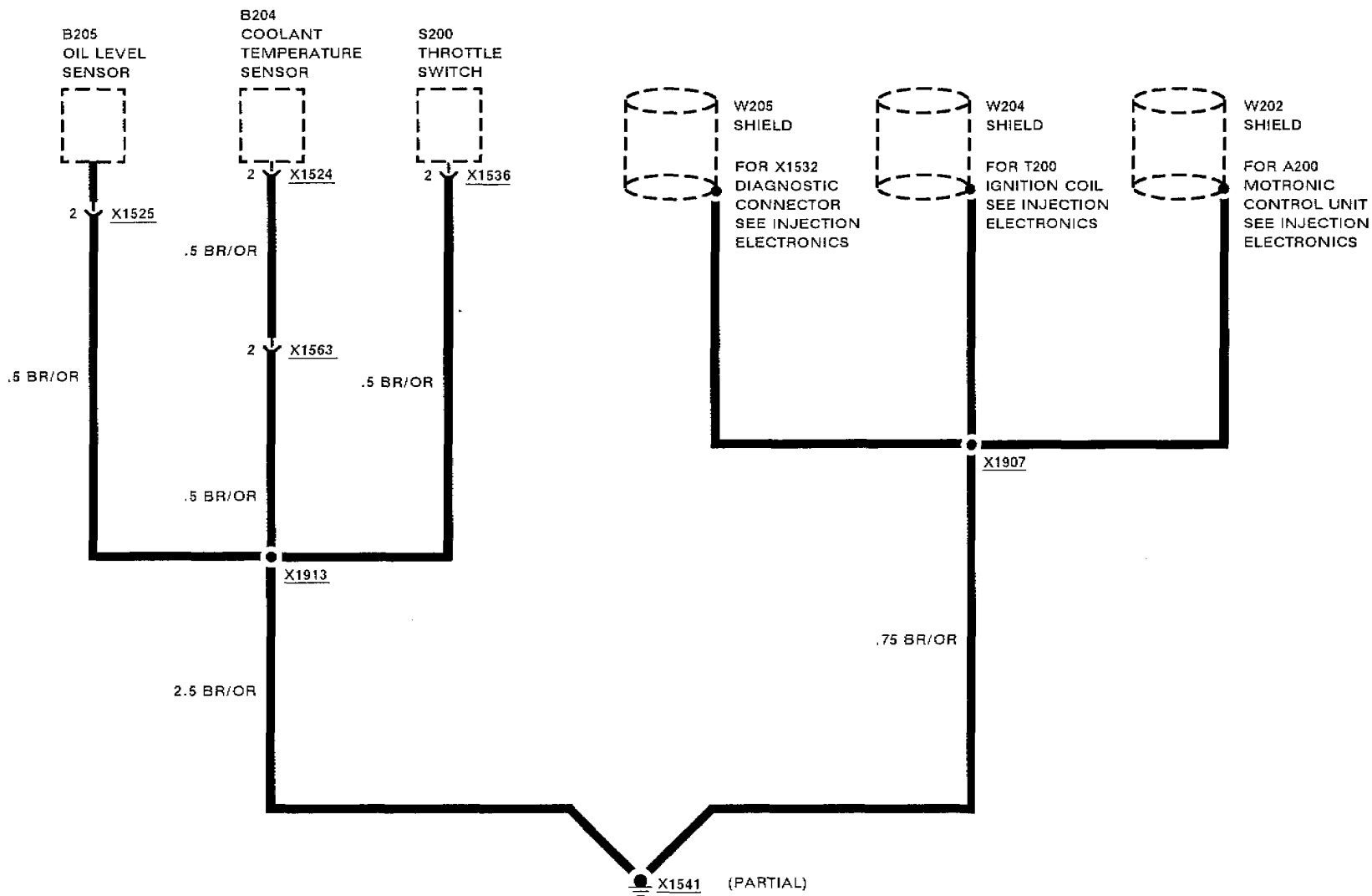


source: www.ow.no

GROUND DISTRIBUTION

GROUND X1541

525i

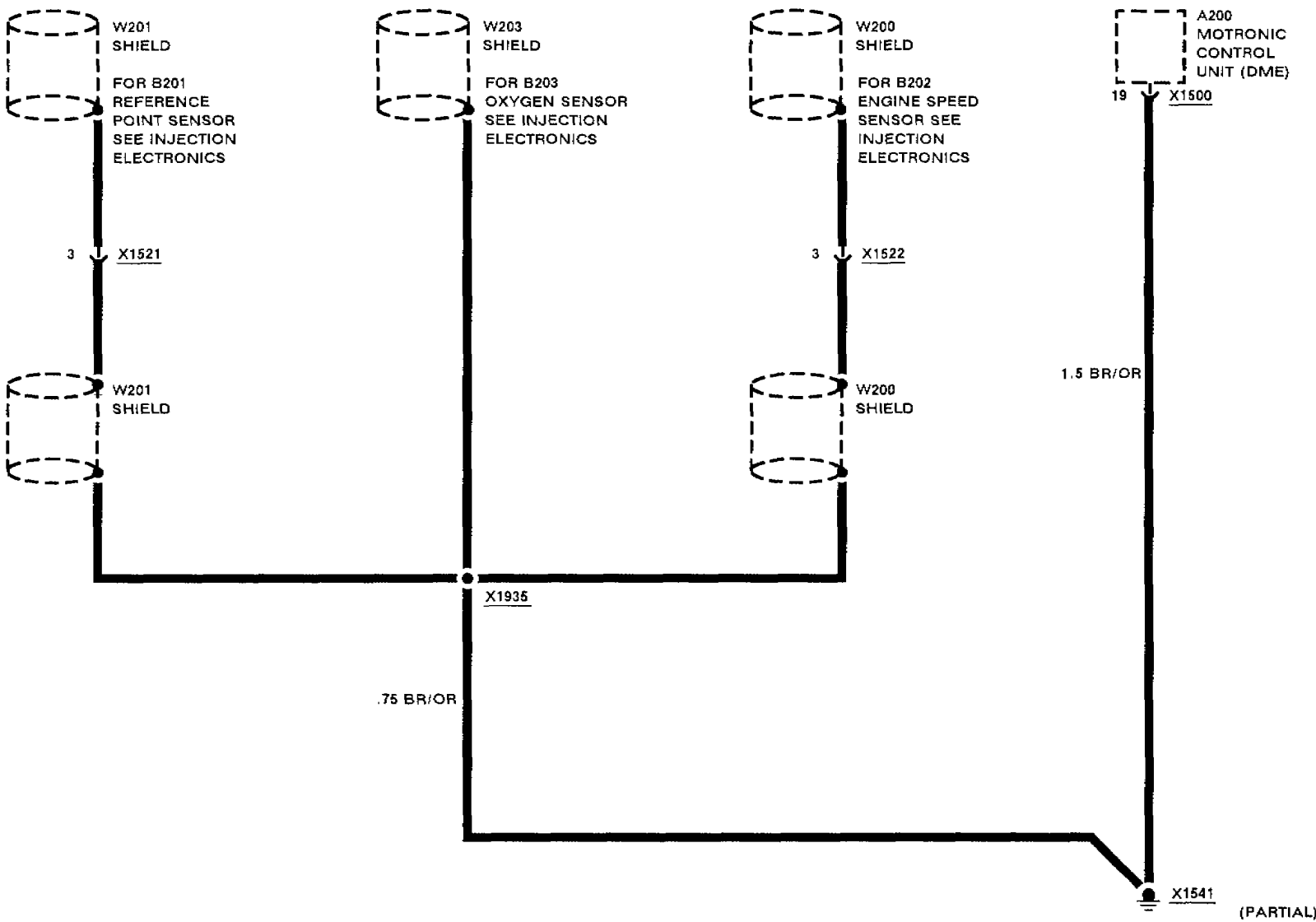


source: www.ow.no

GROUND DISTRIBUTION

GROUND X1541

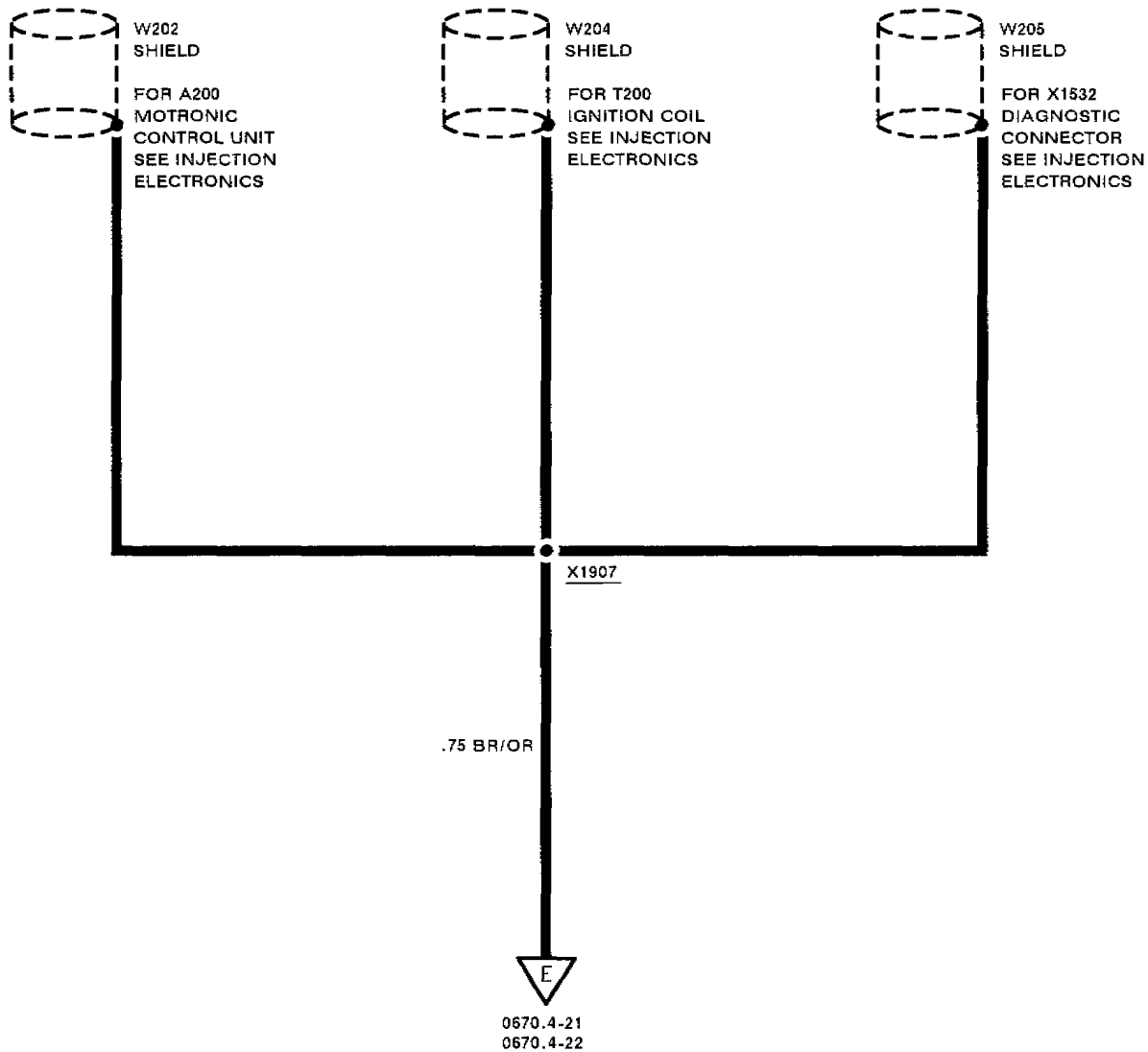
525i



source: www.ow.no

GROUND DISTRIBUTION

GROUND X1541

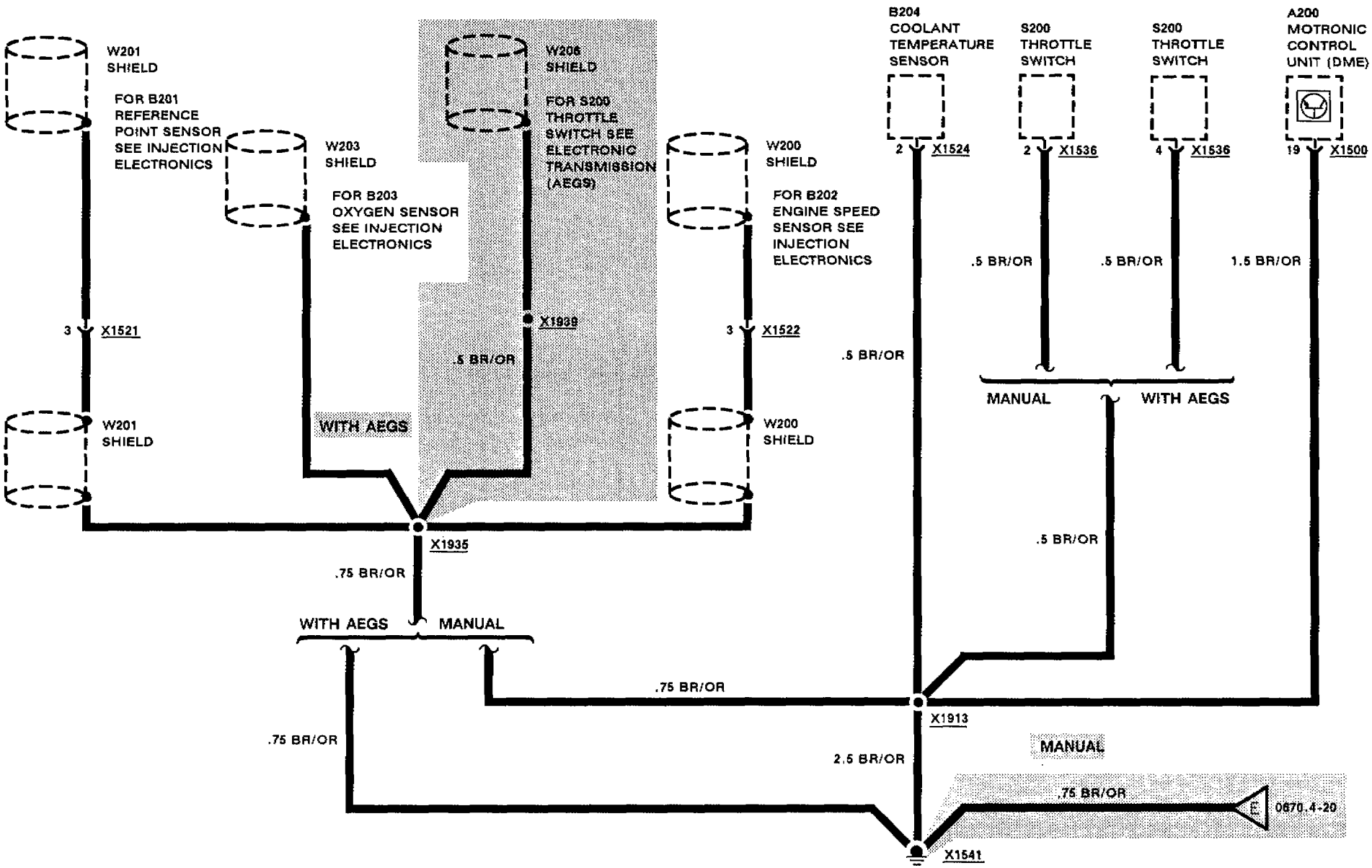


source: www.ow.no

GROUND DISTRIBUTION

535i

GROUND X1541

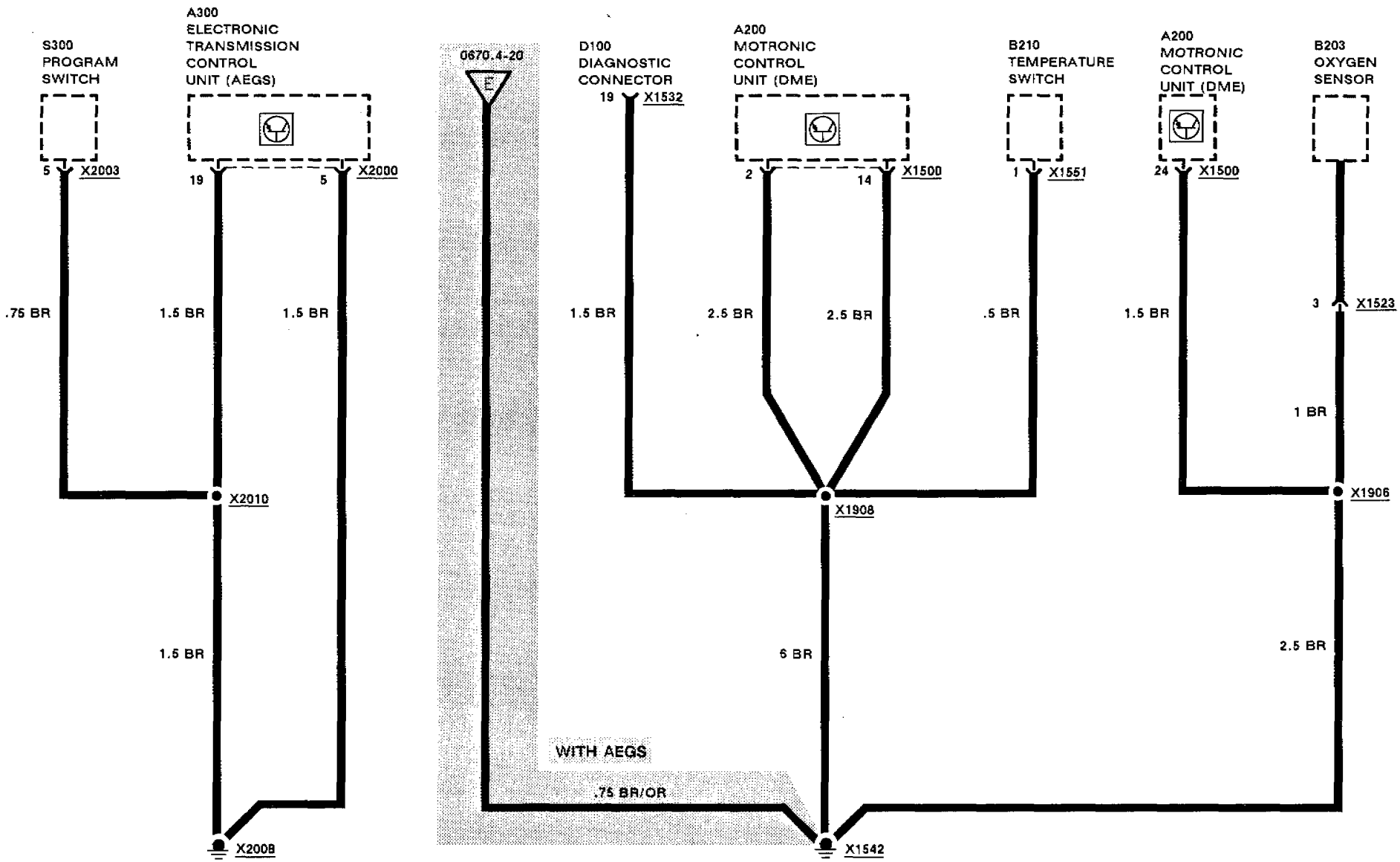


source: www.ow.no

GROUND DISTRIBUTION

GROUNDS X1542 AND X2008

535i

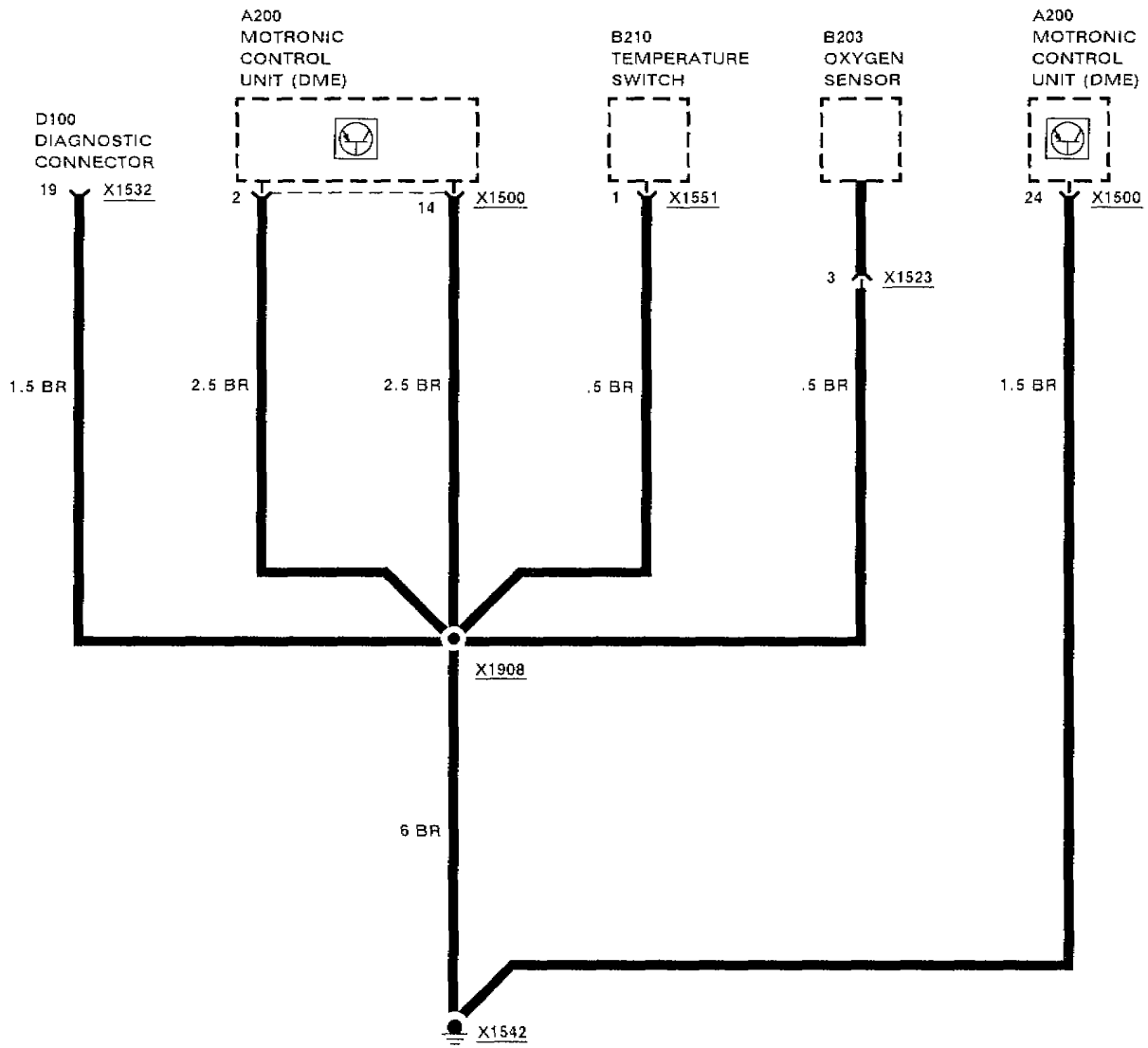


source: www.ow.no

GROUND DISTRIBUTION

GROUND X1542

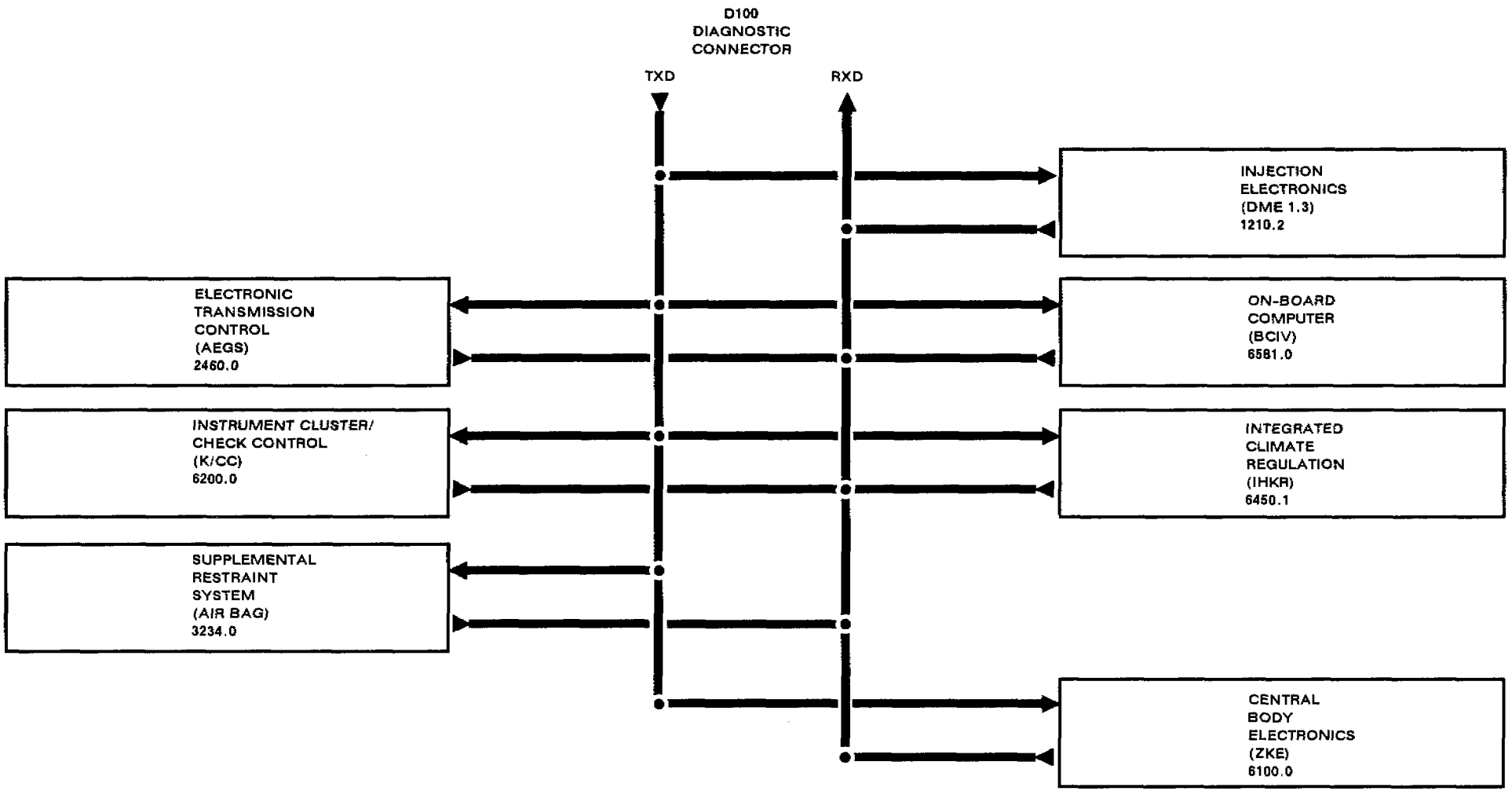
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source: www.ow.no

DIAGNOSTIC LINK

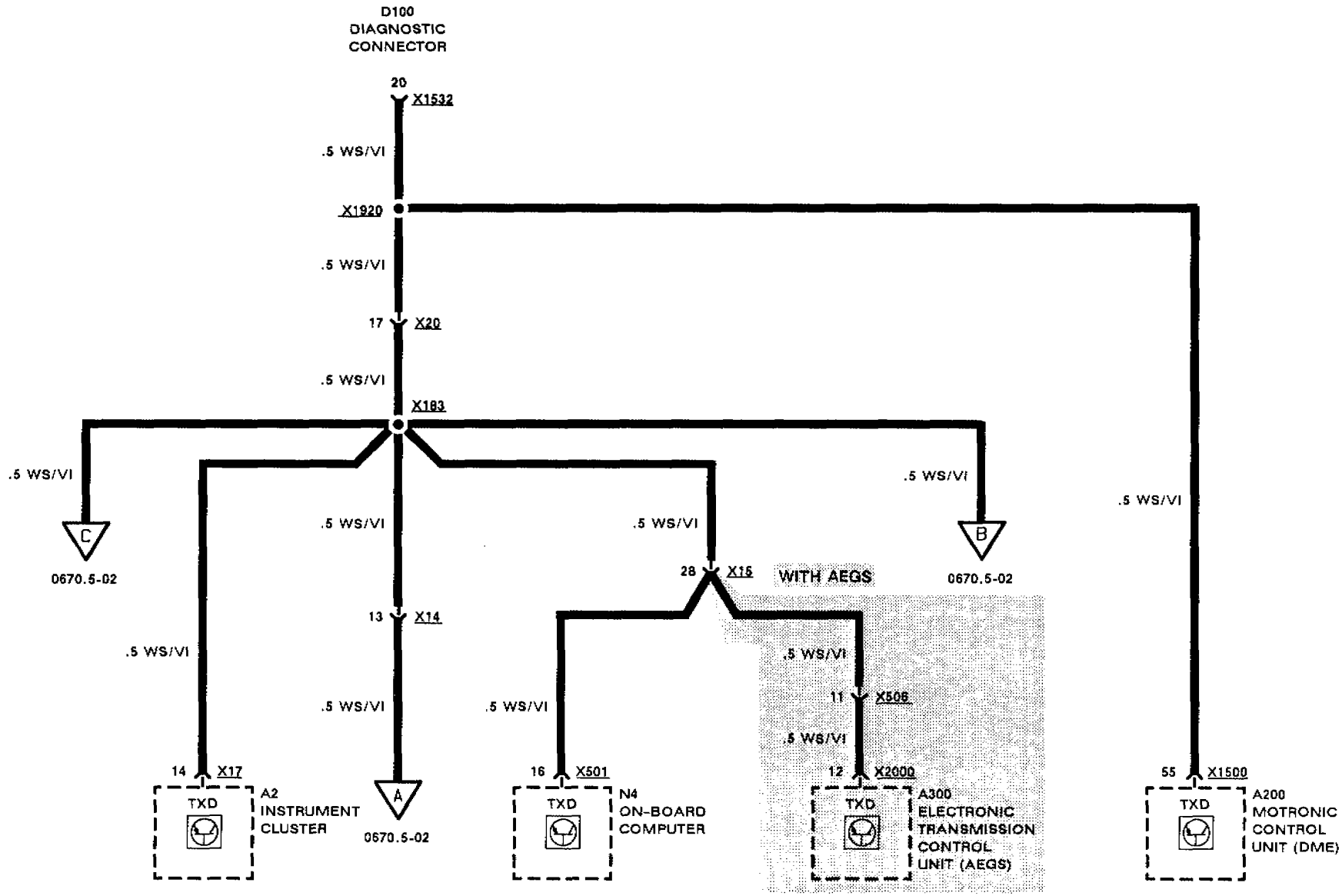
BLOCK DIAGRAM



source: www.ow.no

DIAGNOSTIC LINK

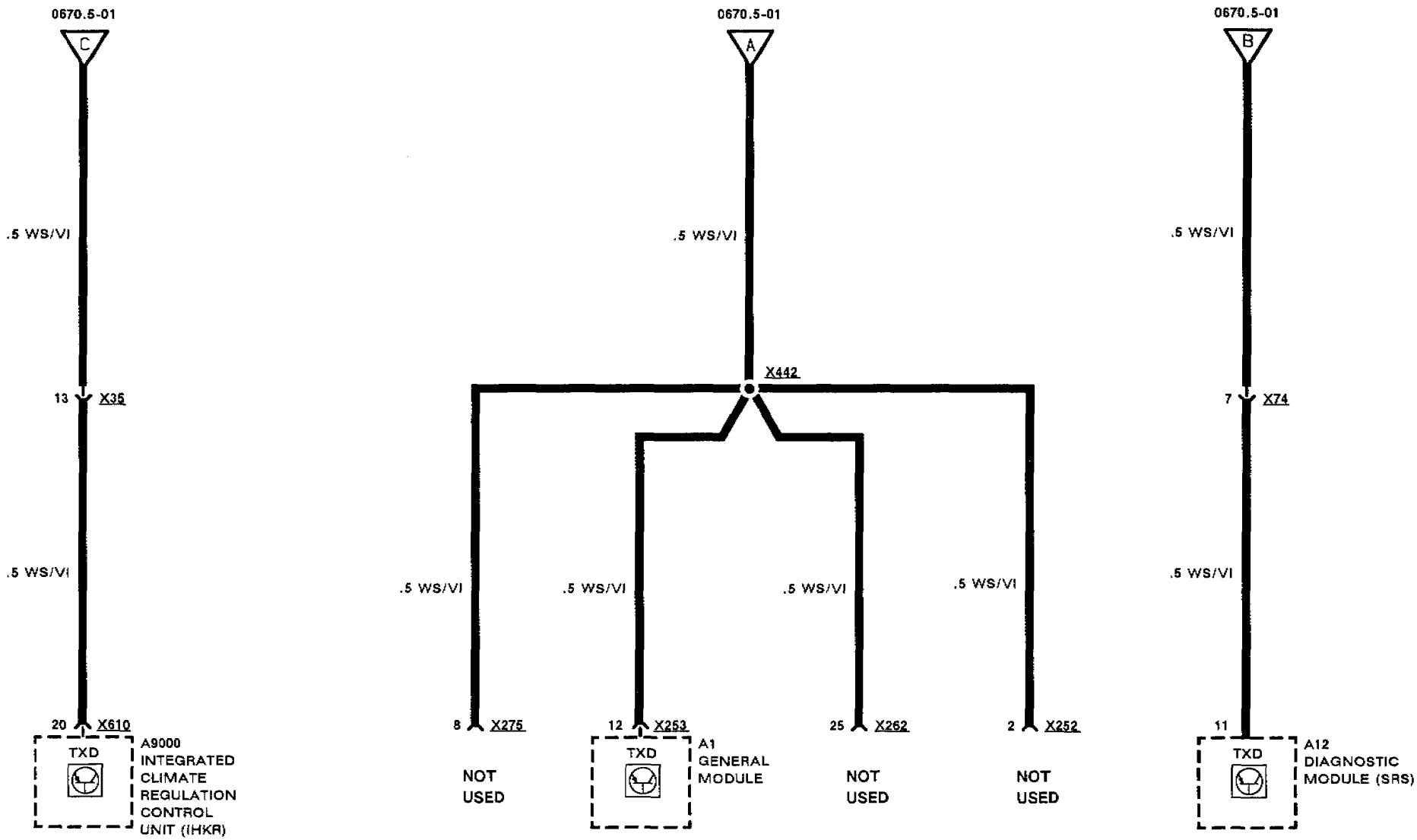
TXD



source: www.ow.no

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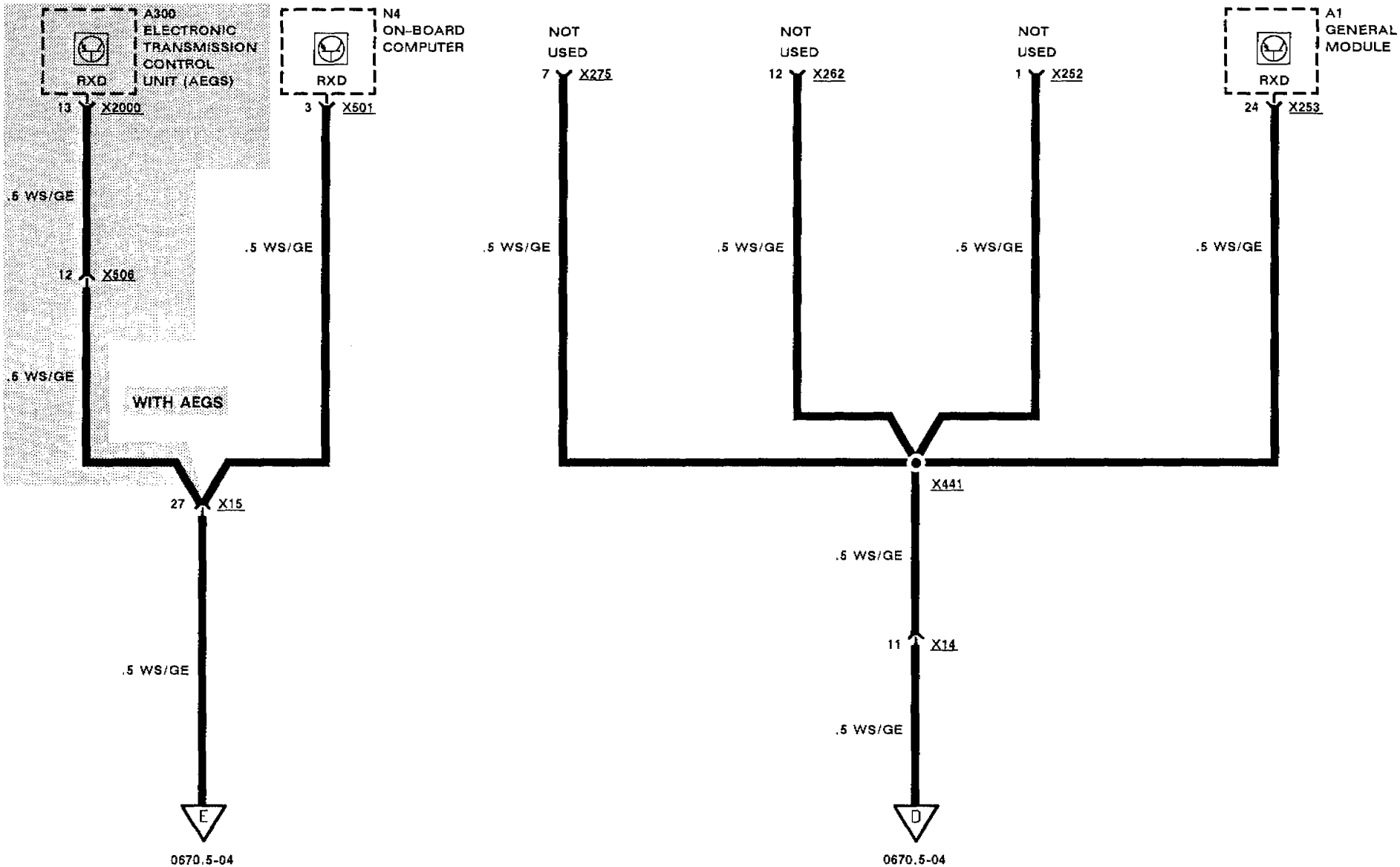
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source: www.ow.no

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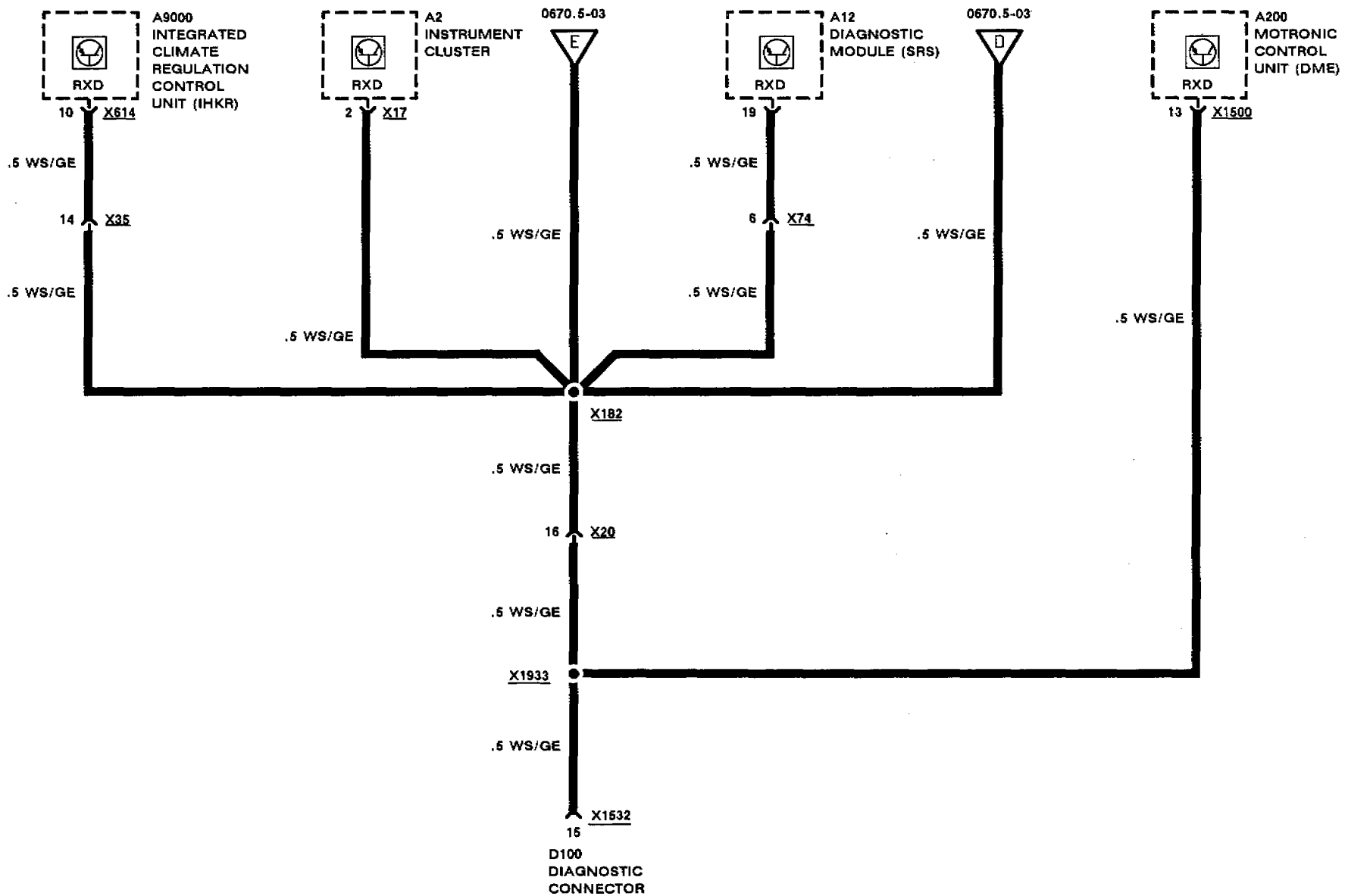
RXD



source: www.ow.no

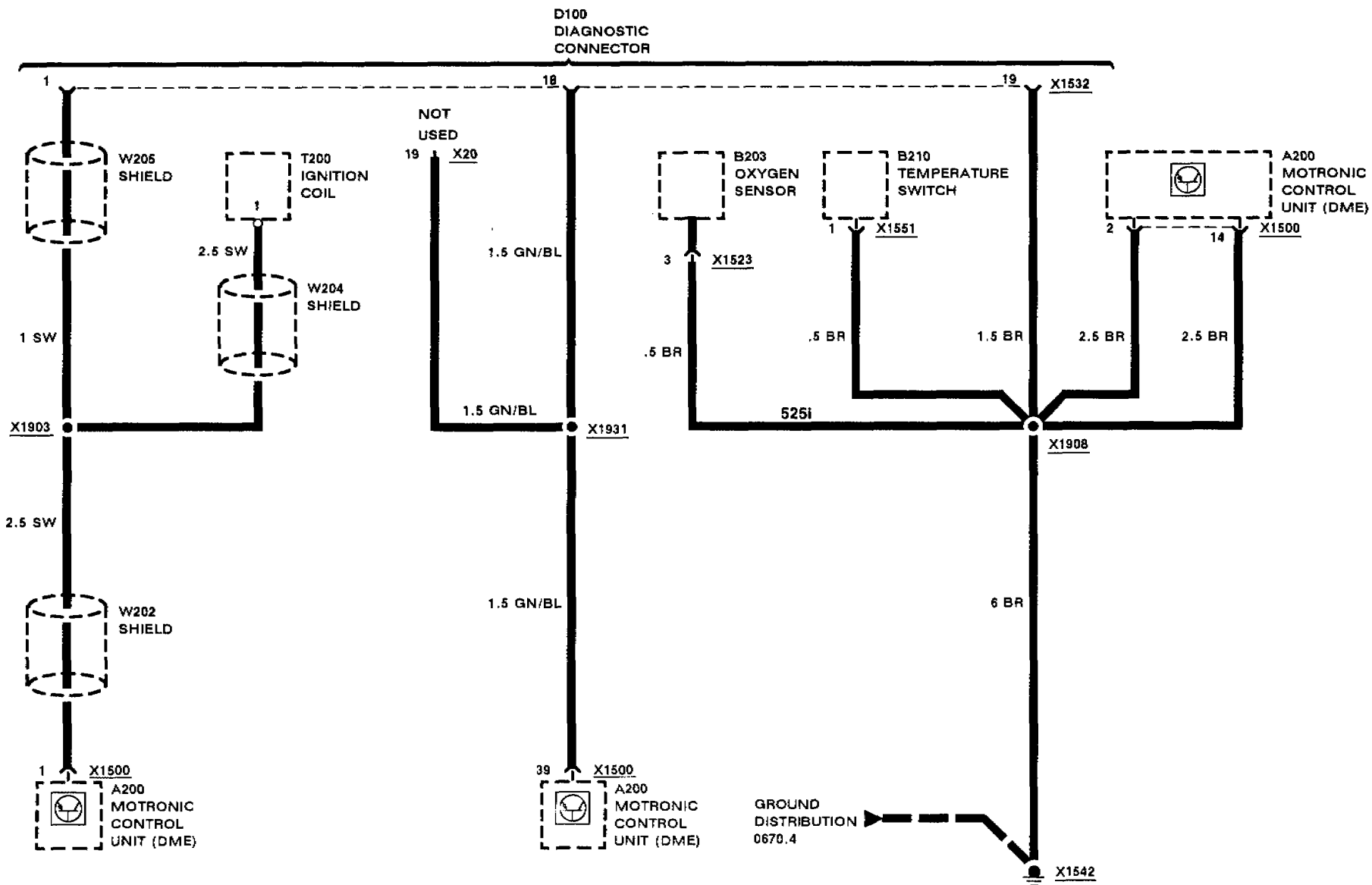
DIAGNOSTIC LINK

RXD



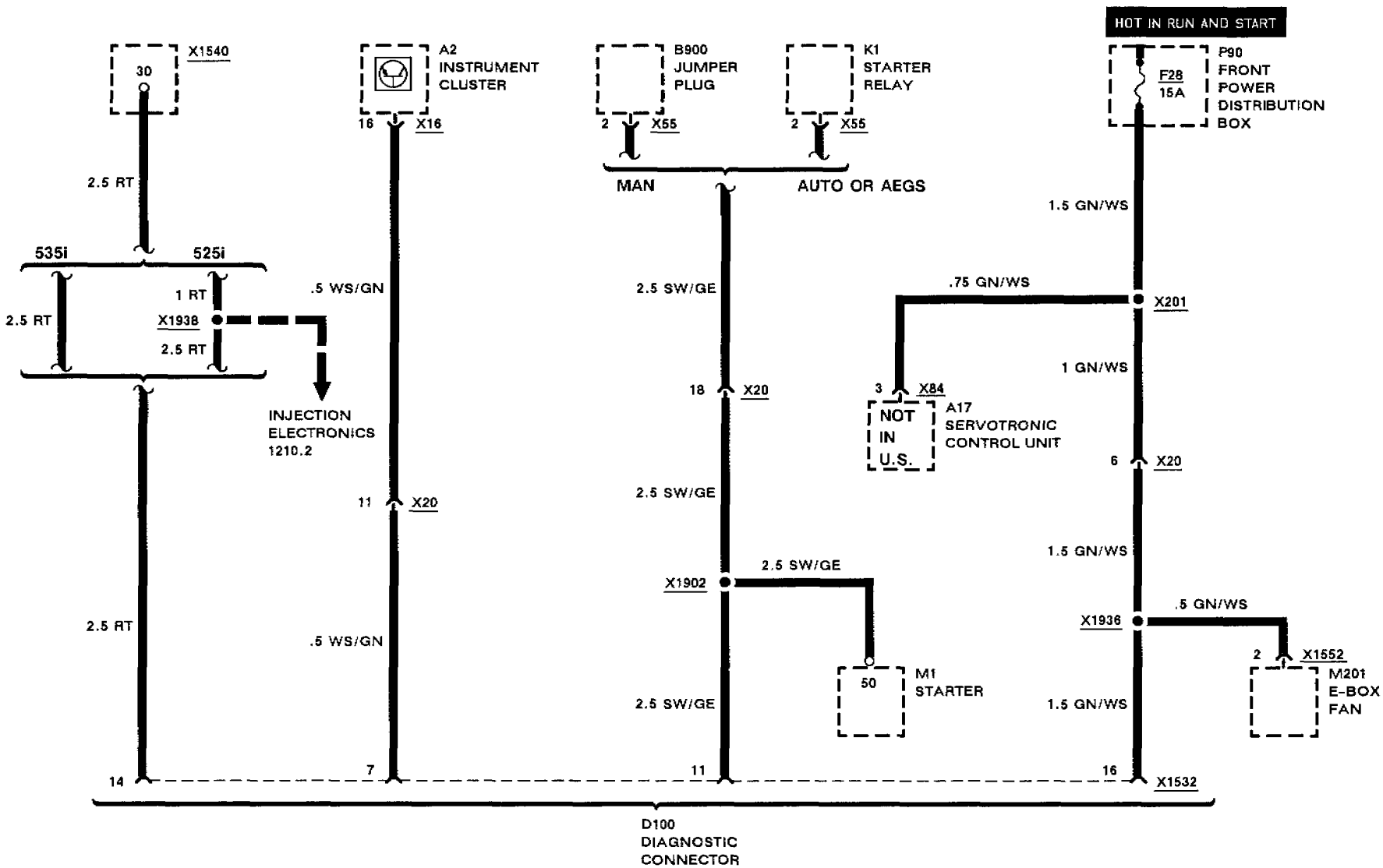
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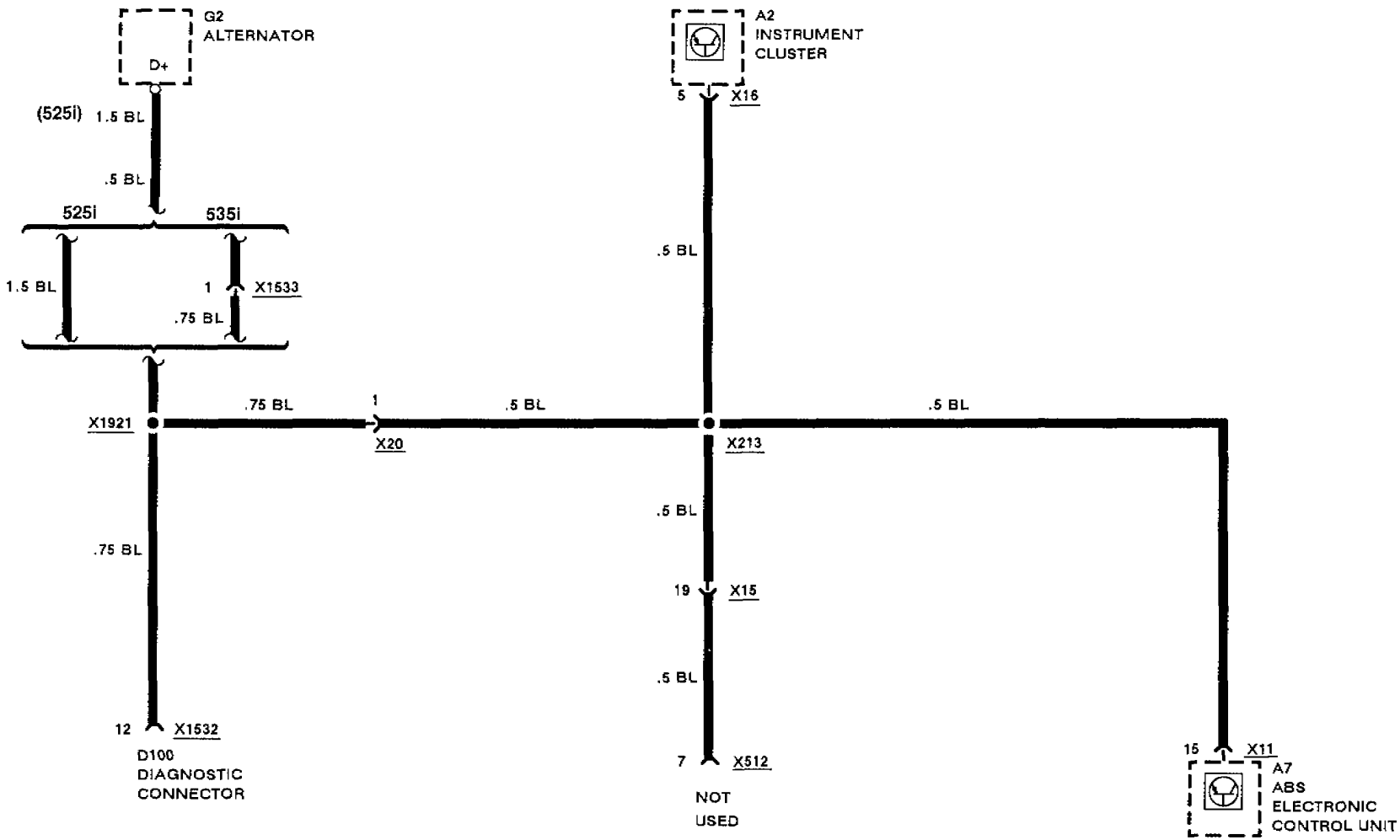
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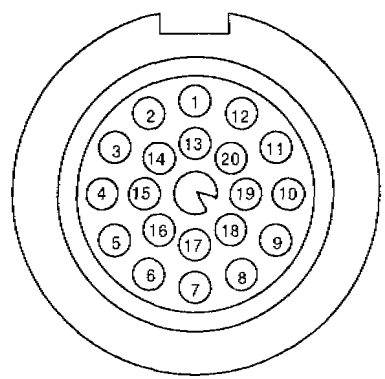
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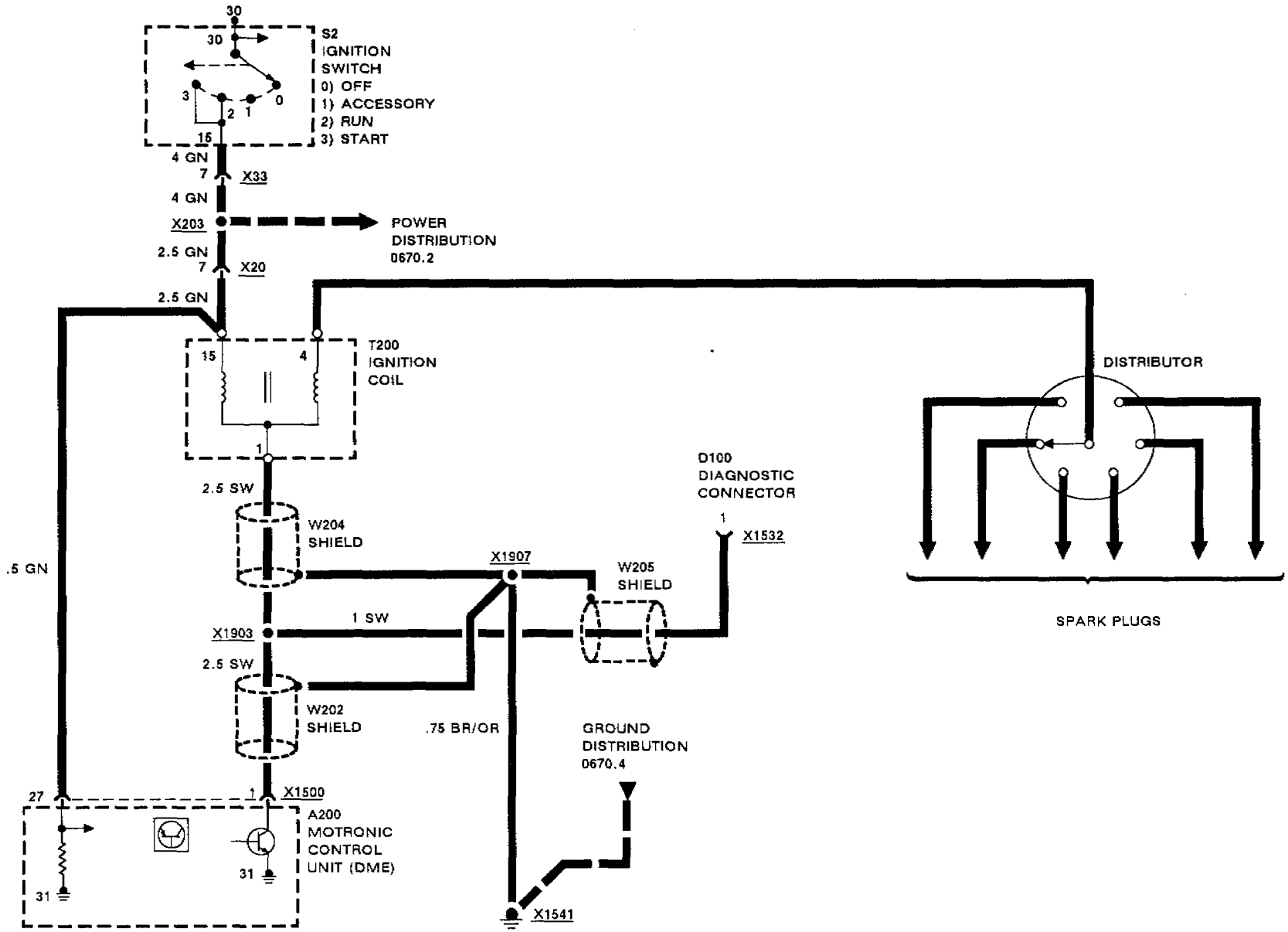
DIAGNOSTIC LINK

TXD (.5 WS/VI)	20
GROUND X1542	
A200 MOTRONIC CONTROL UNIT (1210.2) (1.5 GN/BL)	18
NOT USED	17
M201 E-BOX FAN (1290.0) A17 SERVOTRONIC CONTROL UNIT (3240.0) FUSE 28 (0670.3) (1.5 GN/WS)	16
RXD (.5 WS/GE)	15
X1540 B+ JUNCTION POST (1210.2) FOR E-BOX (2.5 RT)	14
NOT USED	13
G2 ALTERNATOR (1230.0) A2 INSTRUMENT CLUSTER (6200.0) A7 ABS CONTROL UNIT (3450.0) (.75 BL)	12
B900 JUMPER PLUG (1240.0) K1 STARTER RELAY (1240.0) M1 STARTER (1240.0) (2.5 SW/GE)	11



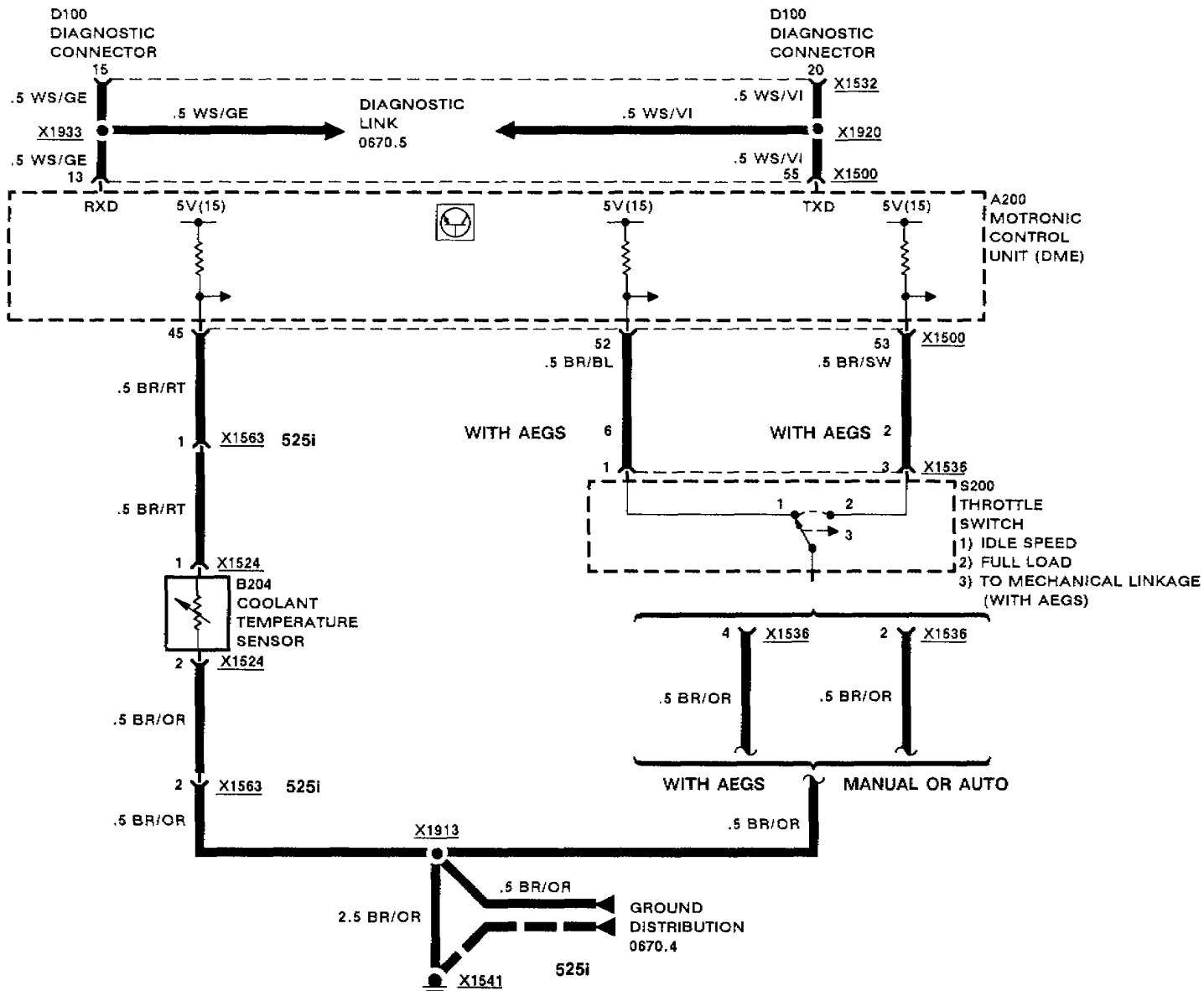
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A2 INSTRUMENT CLUSTER (6200.0) 7 (.5 WS/GN)	
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T200 IGNITION COIL (1210.2) A200 MOTRONIC CONTROL UNIT (1210.2) 1 (1 SW)	

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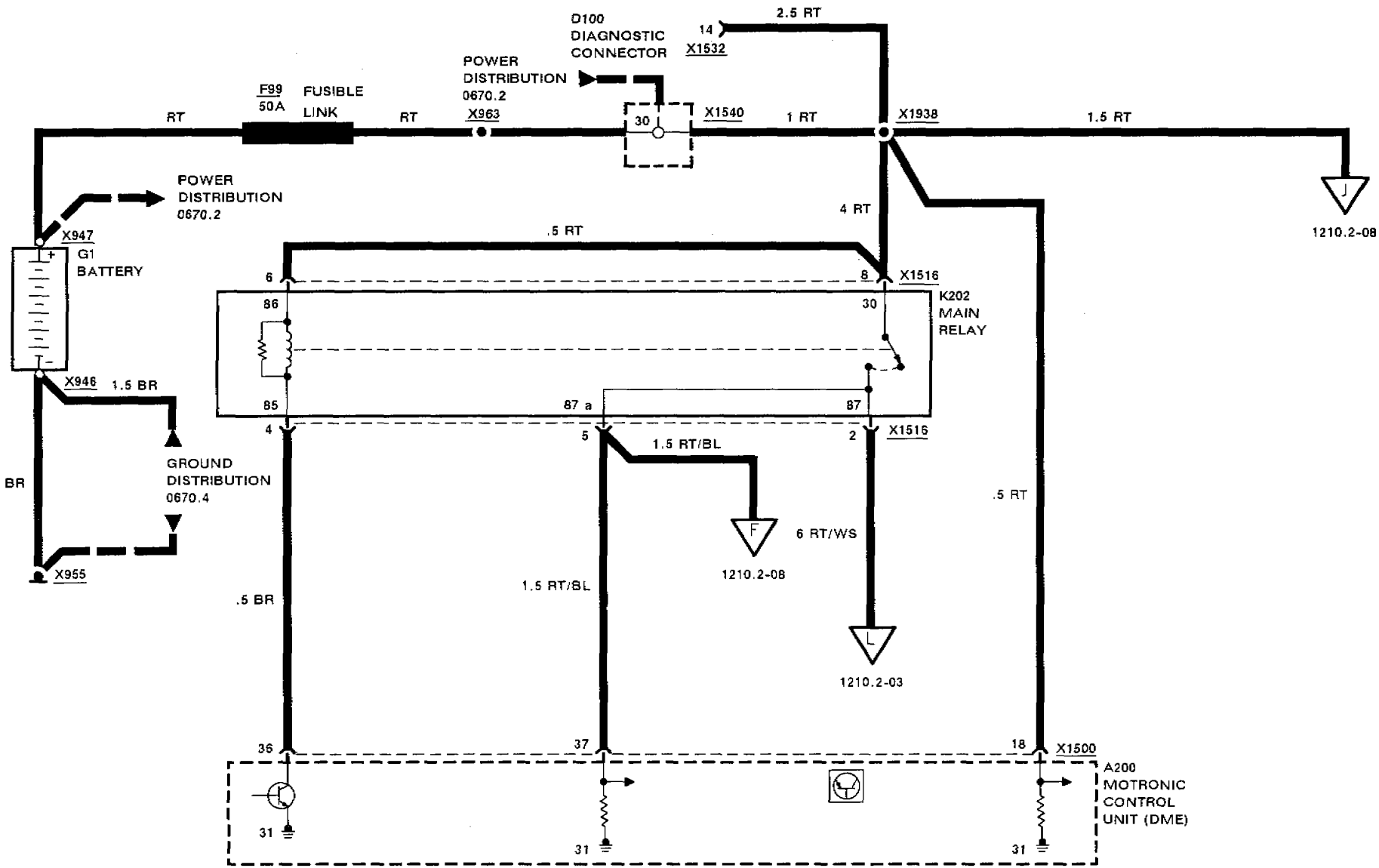


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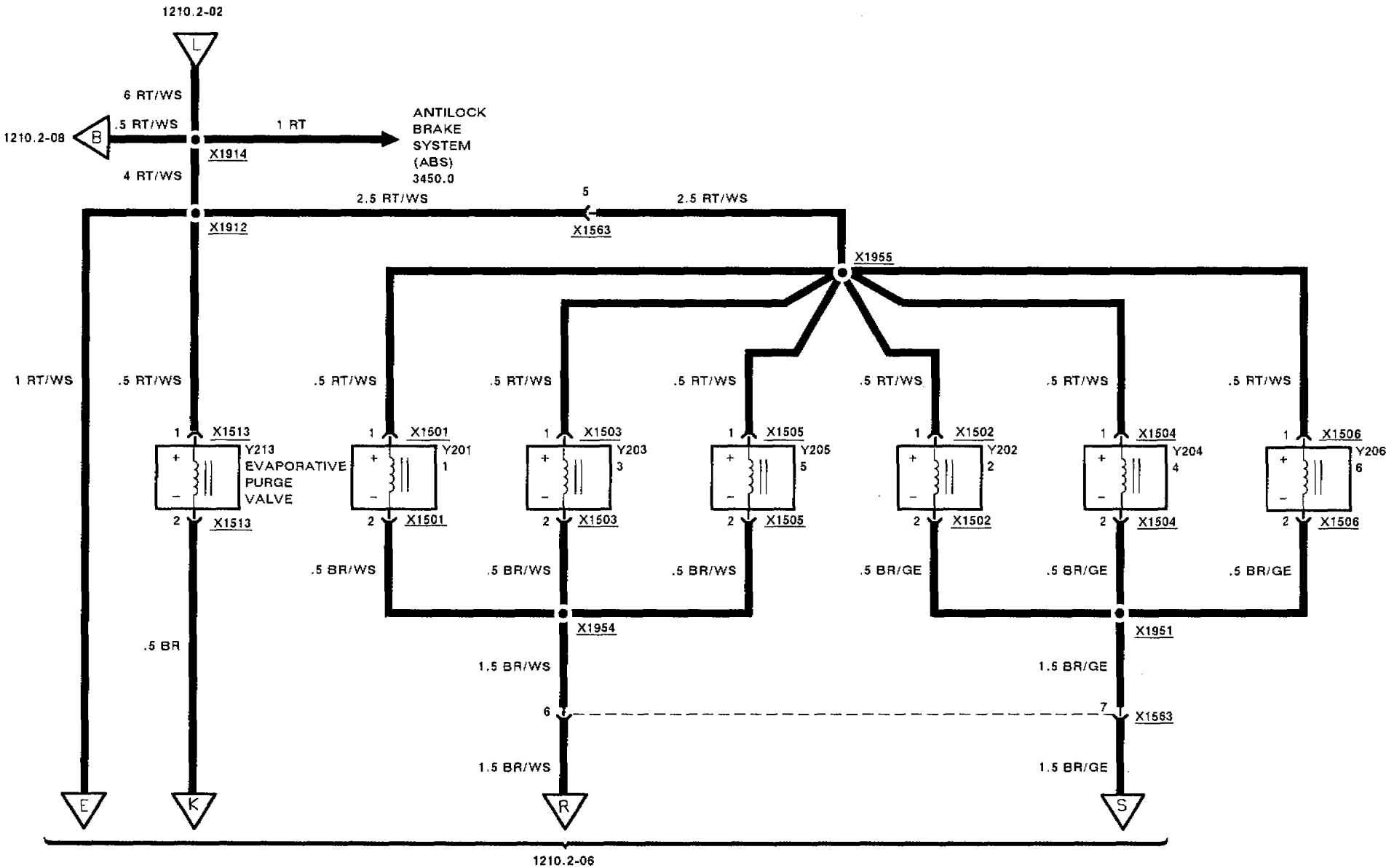
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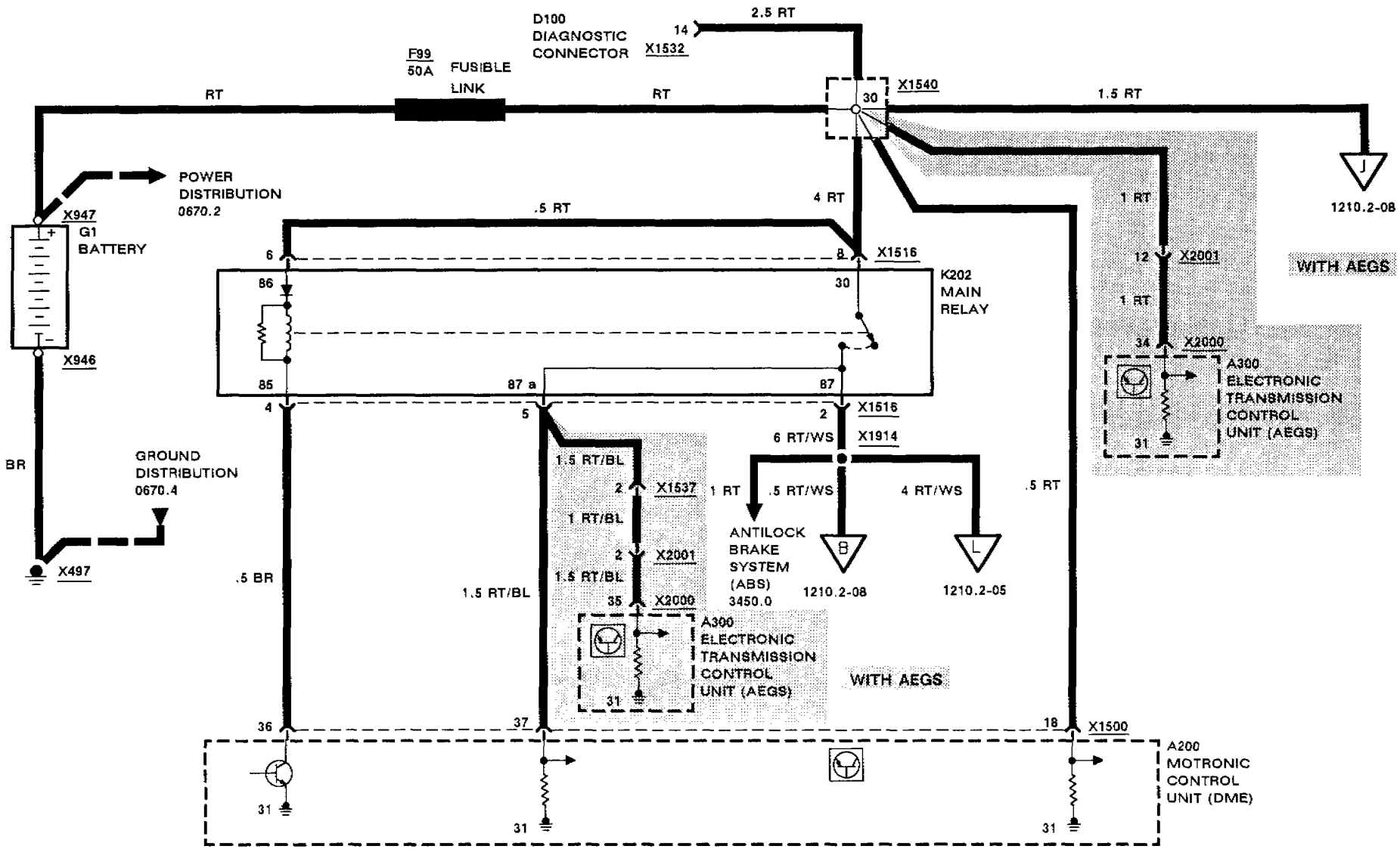
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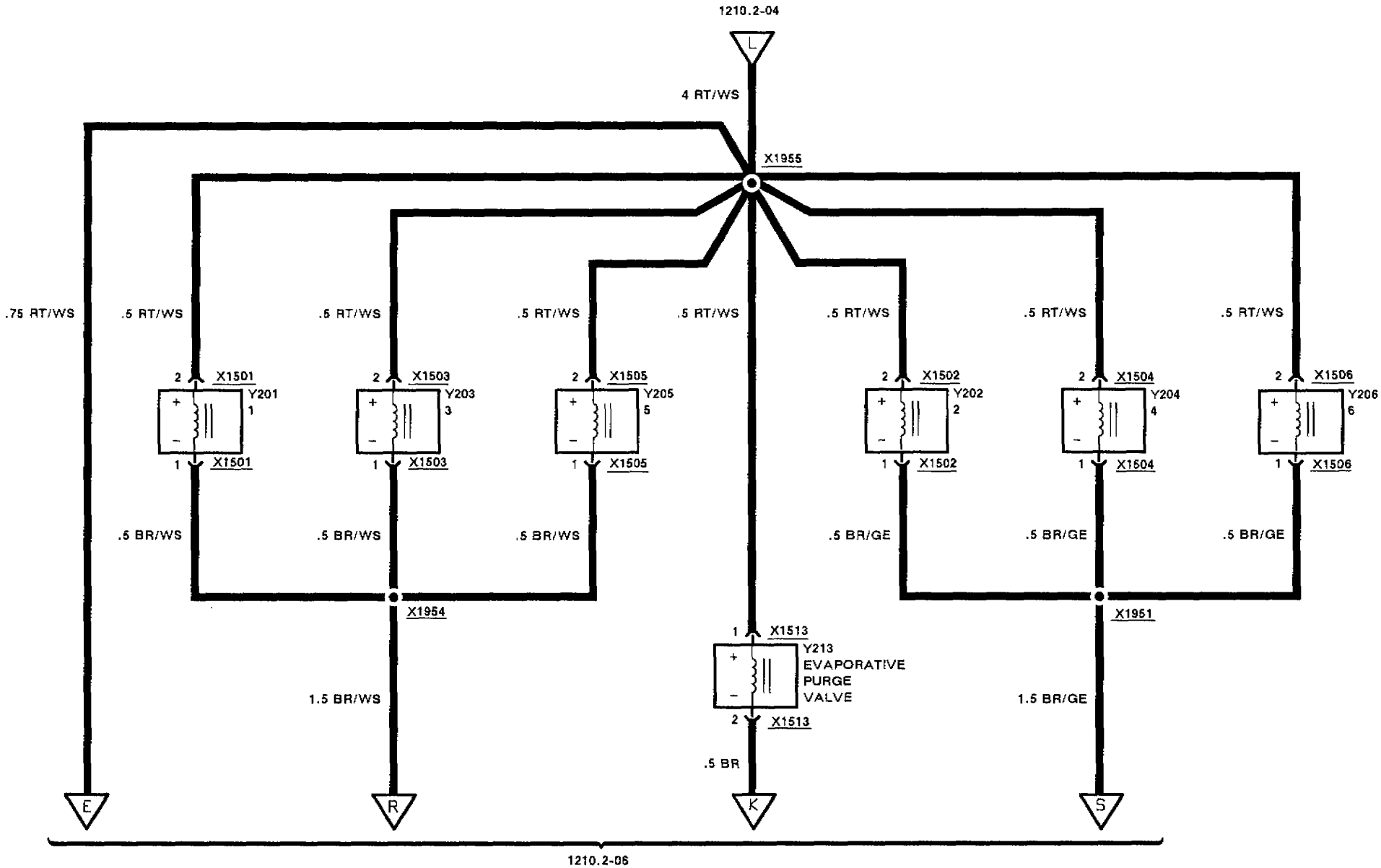
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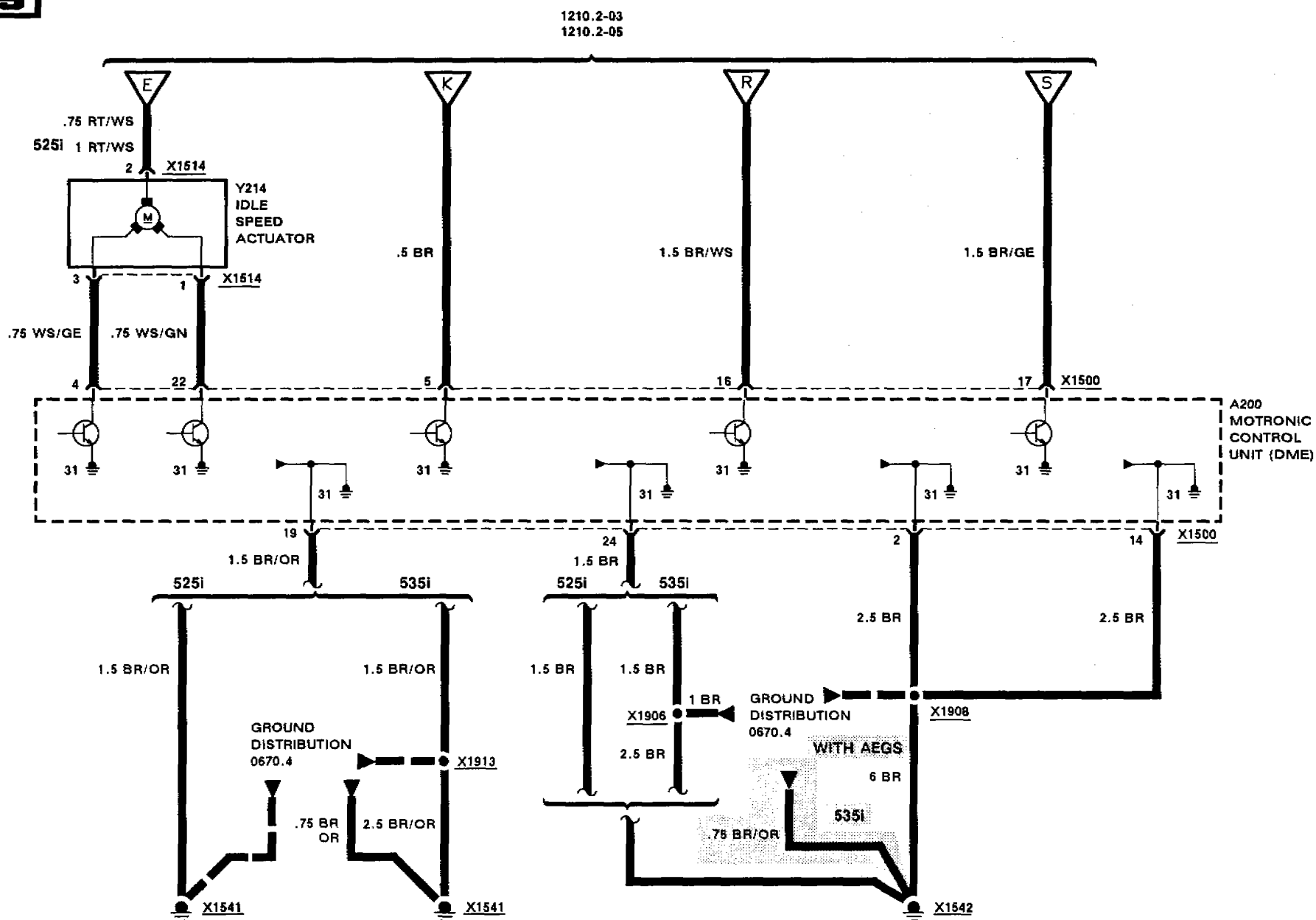


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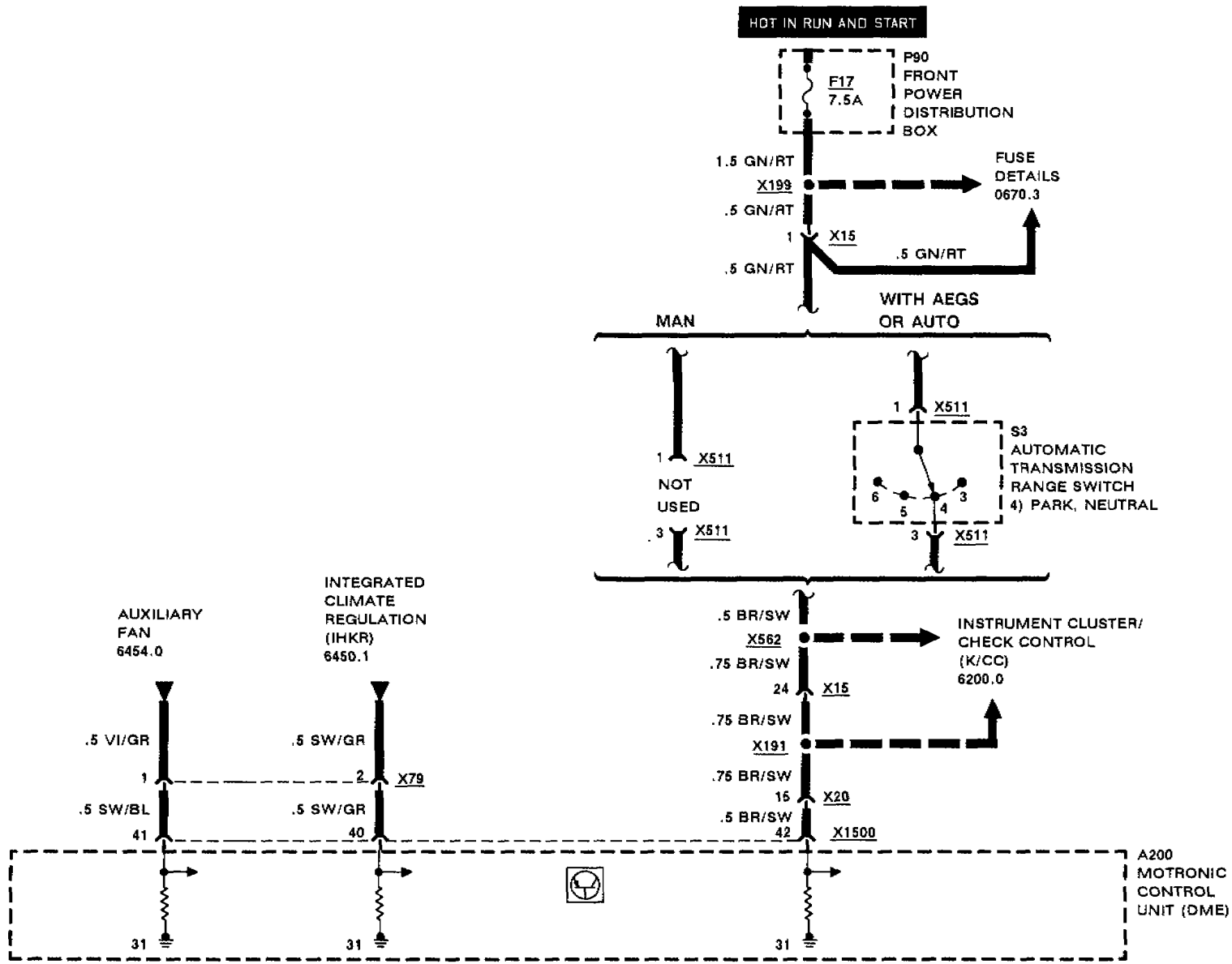


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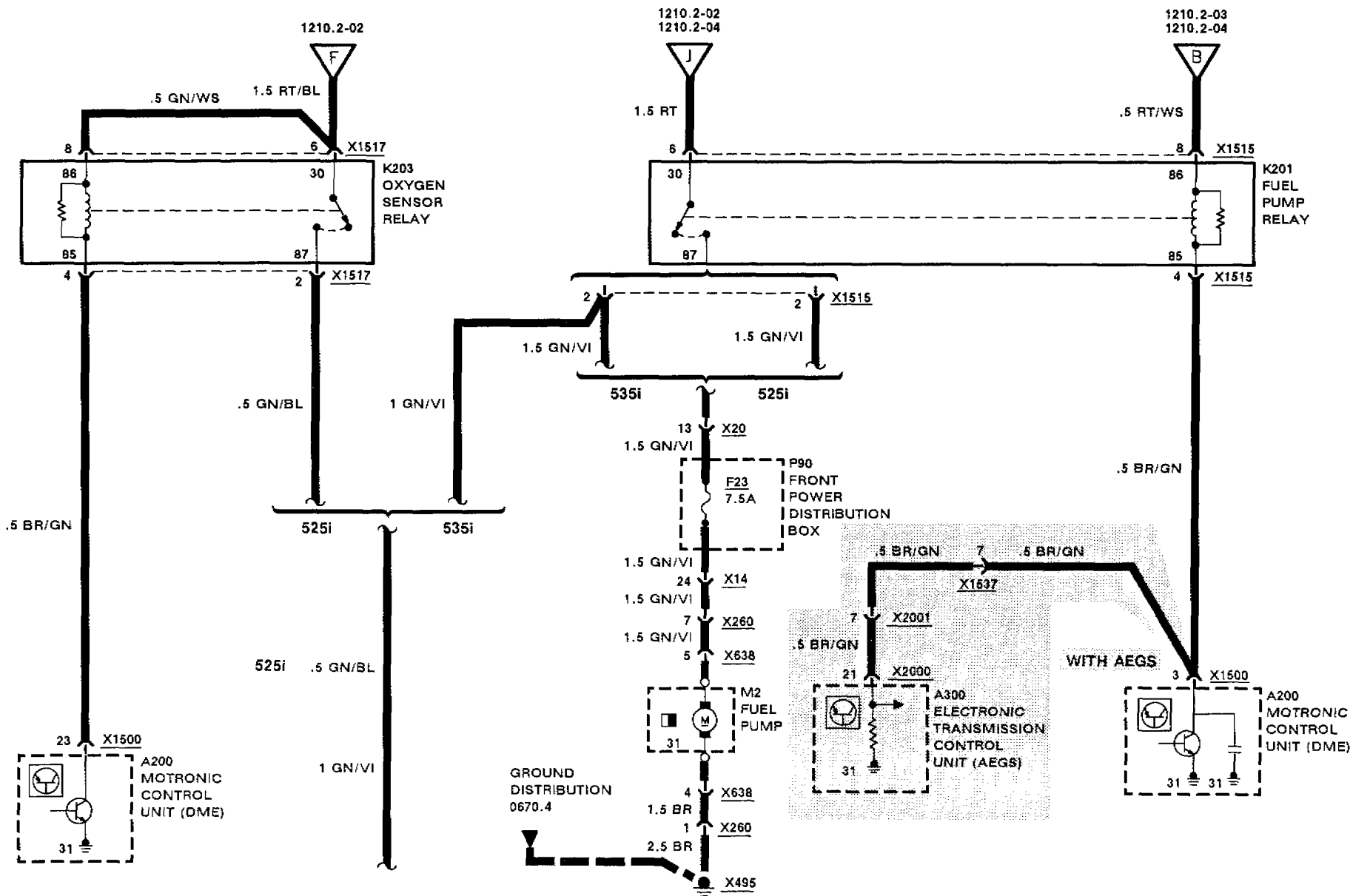


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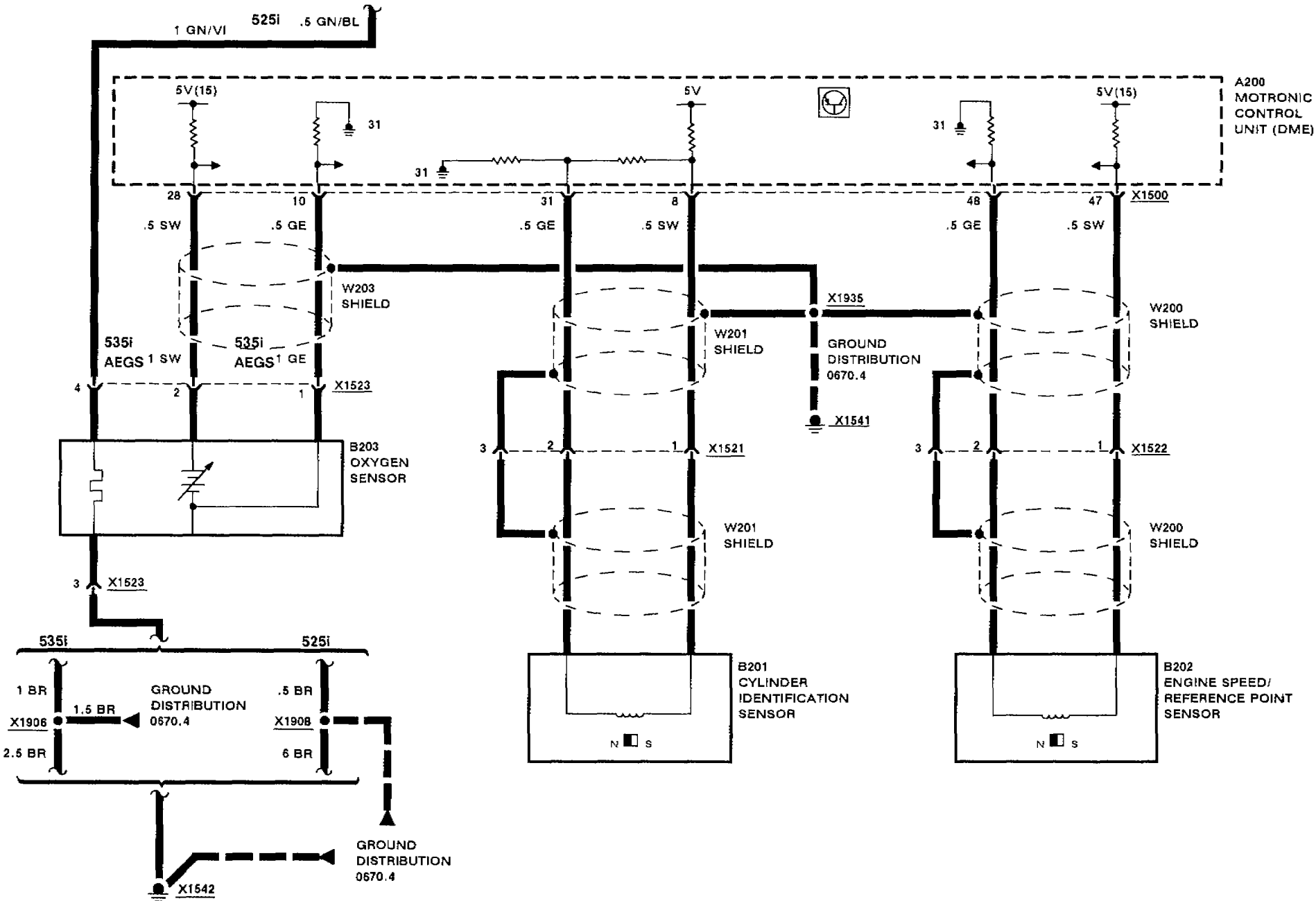


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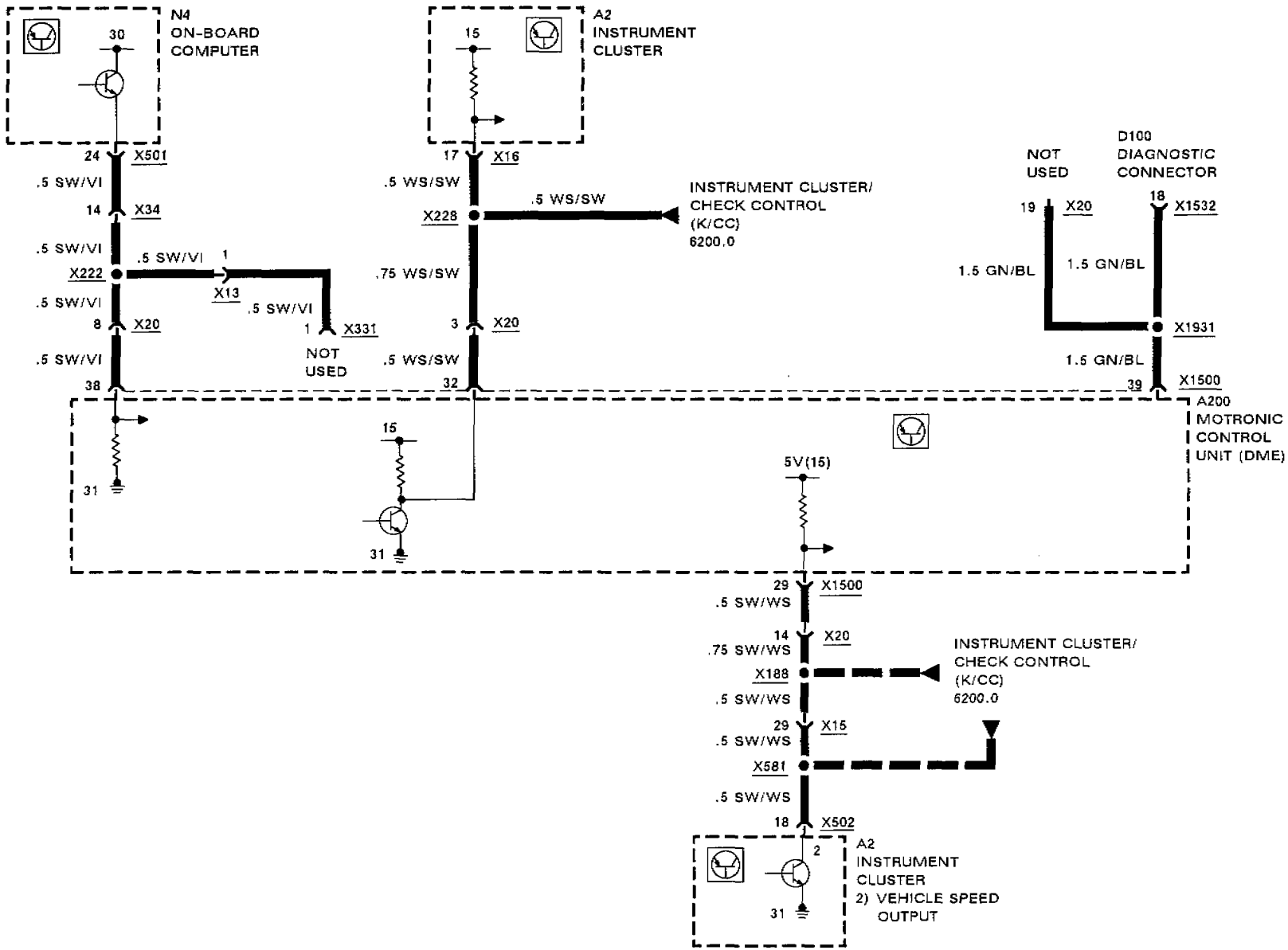


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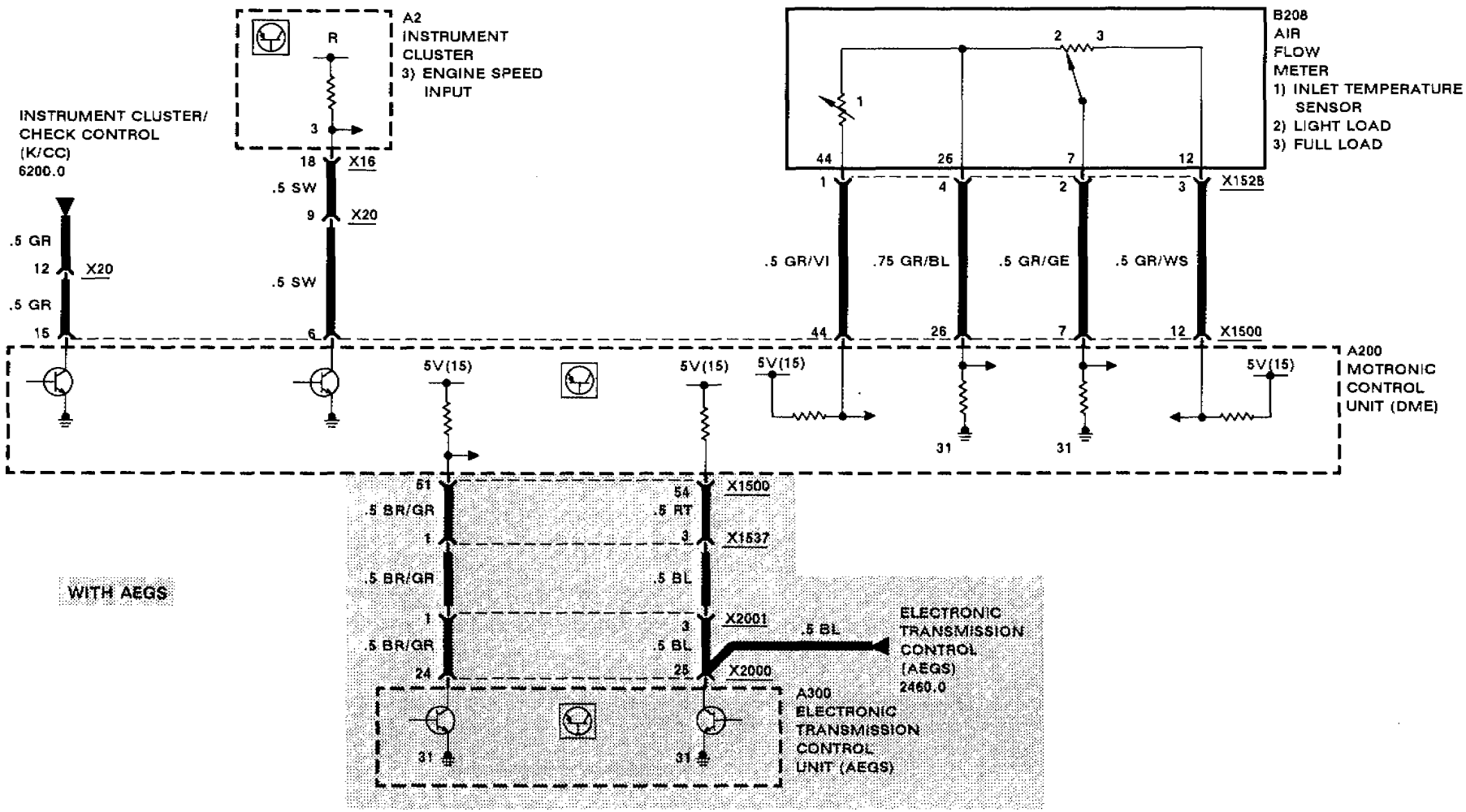
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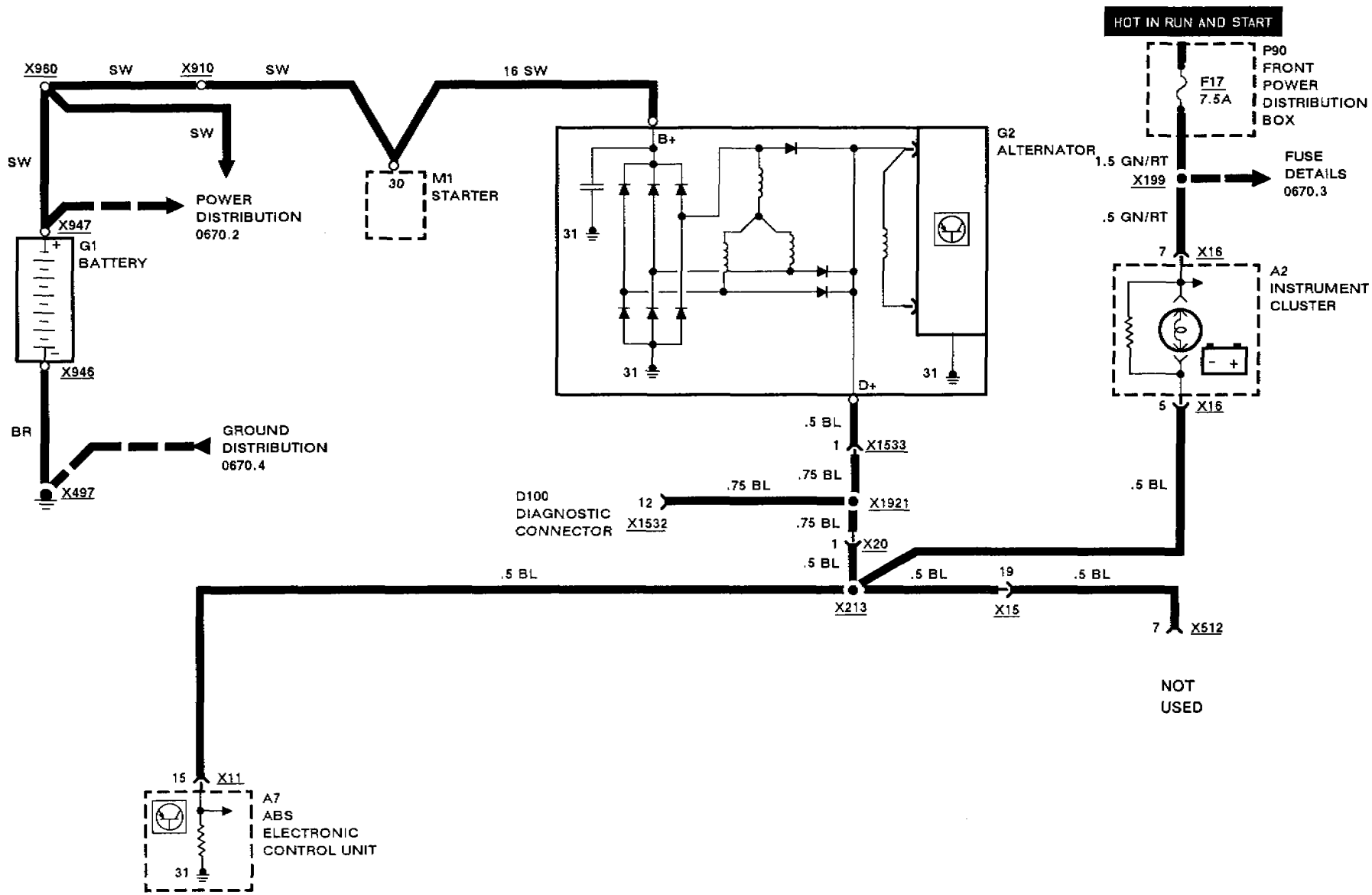


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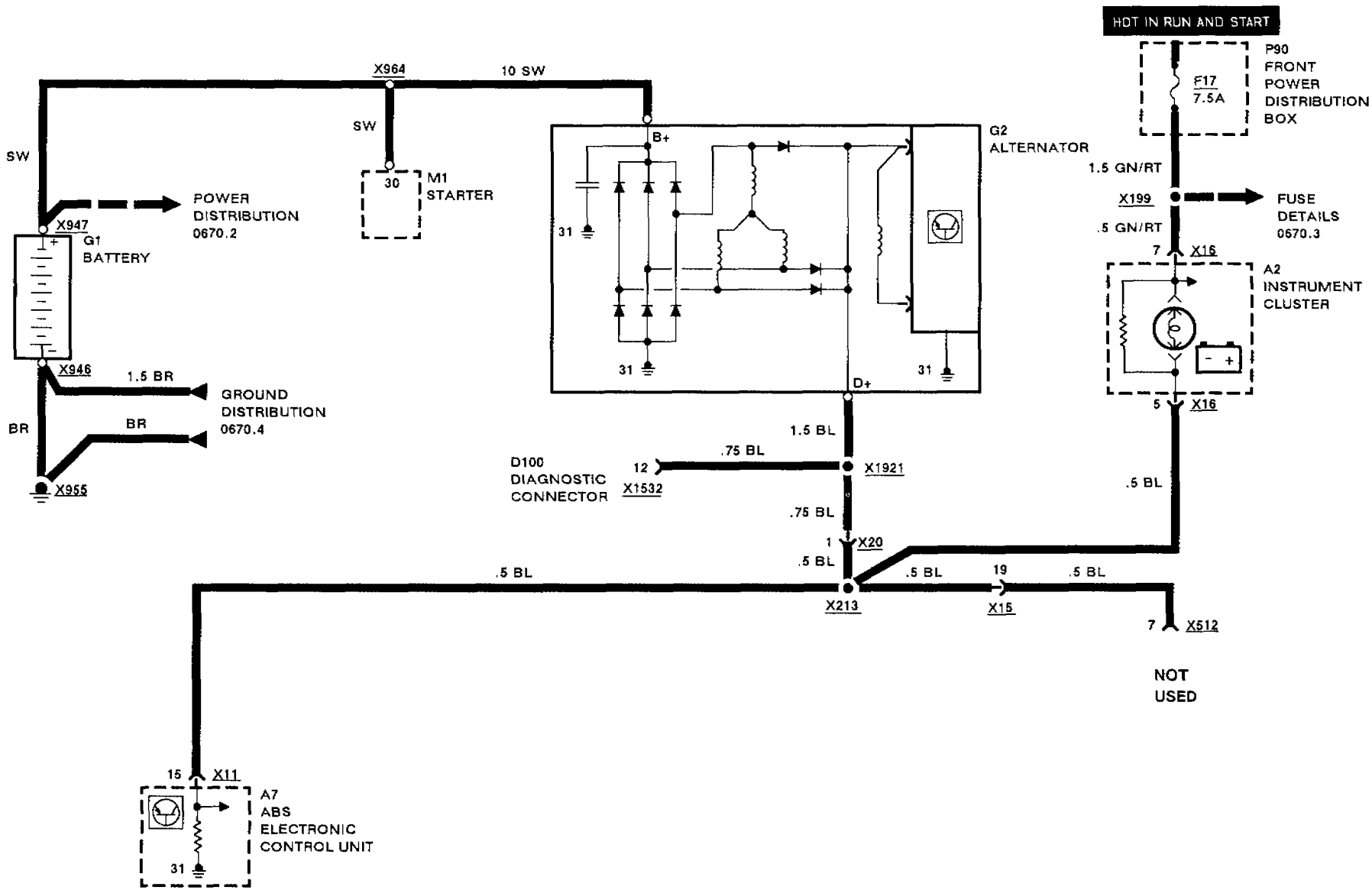
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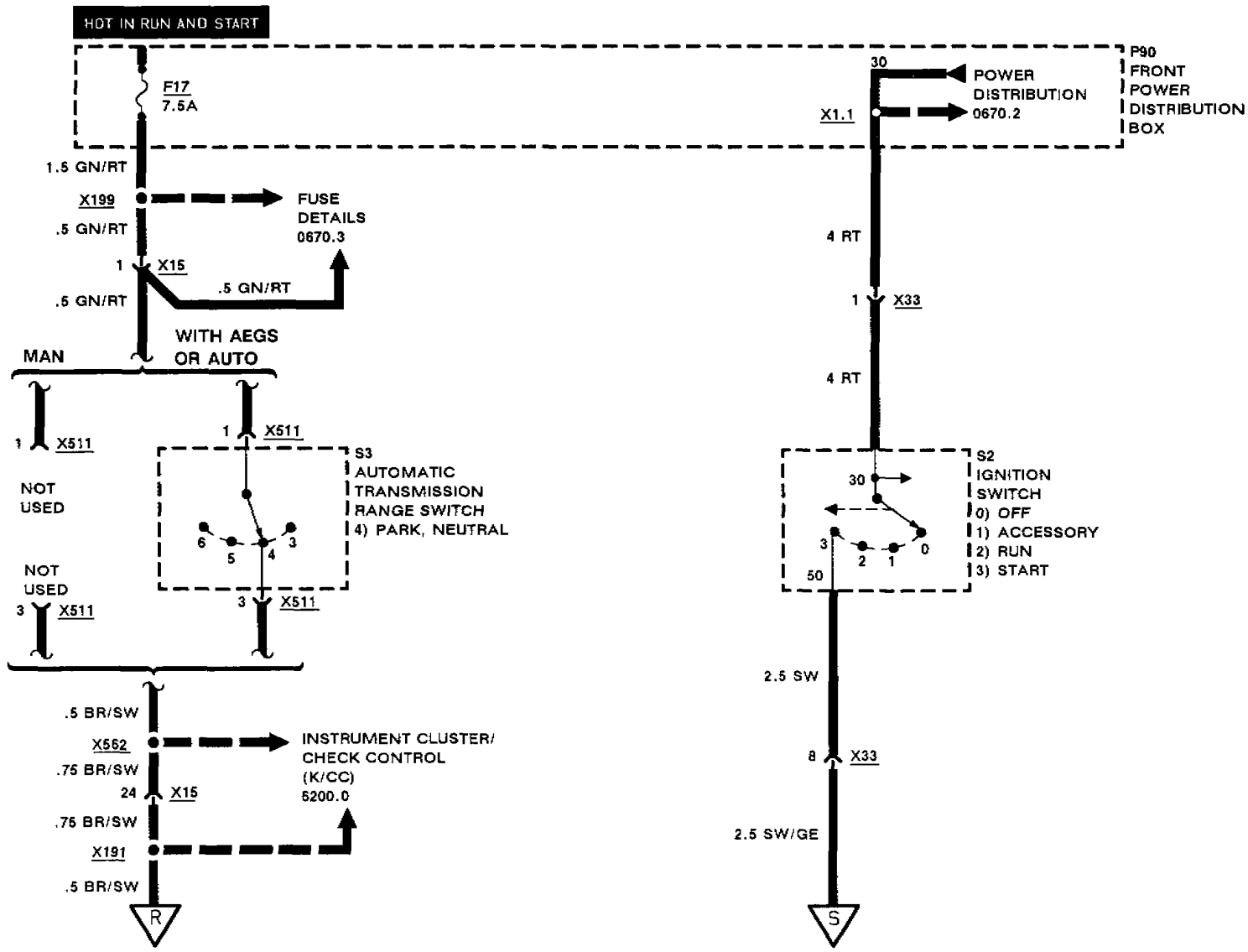
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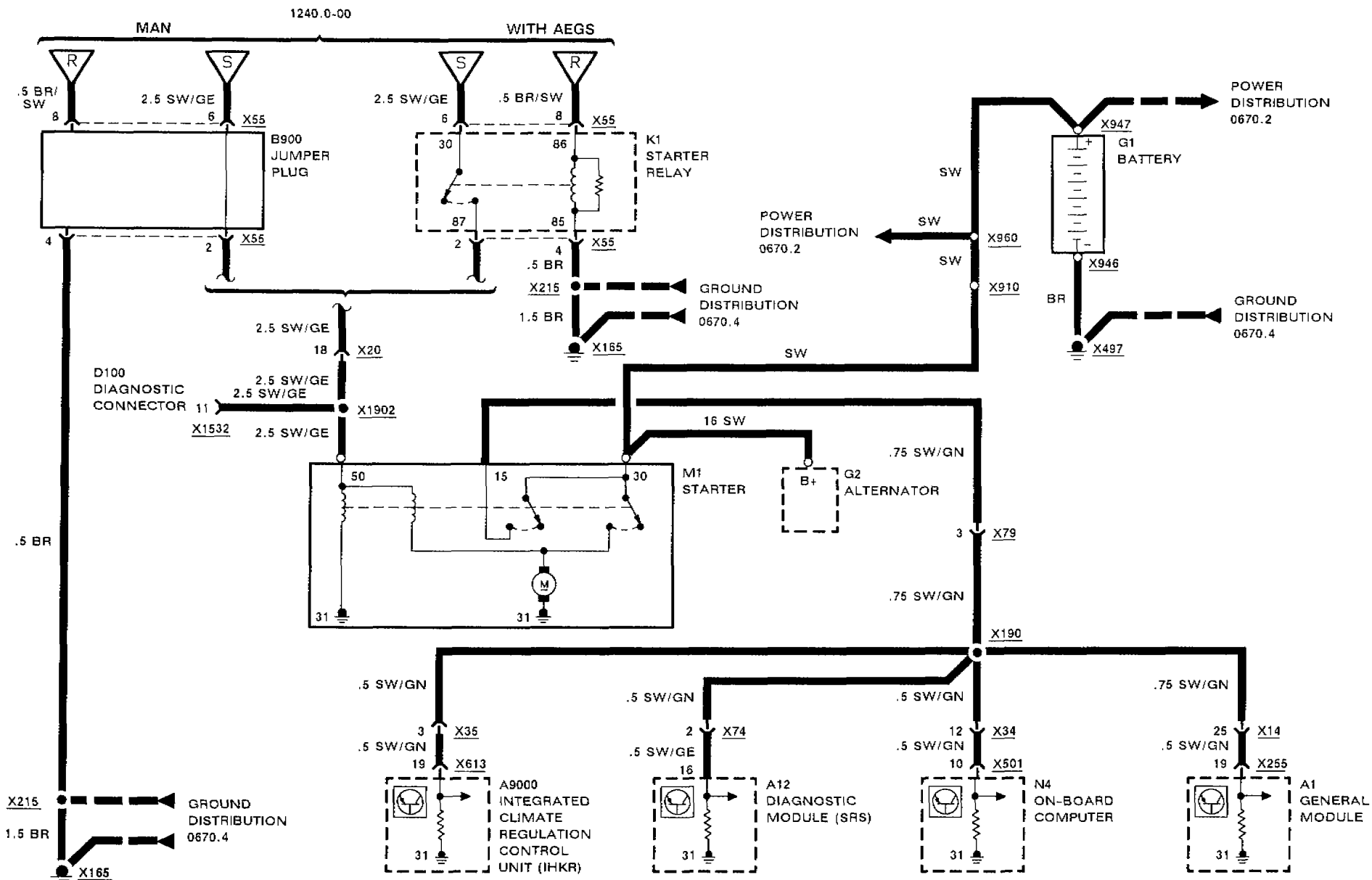
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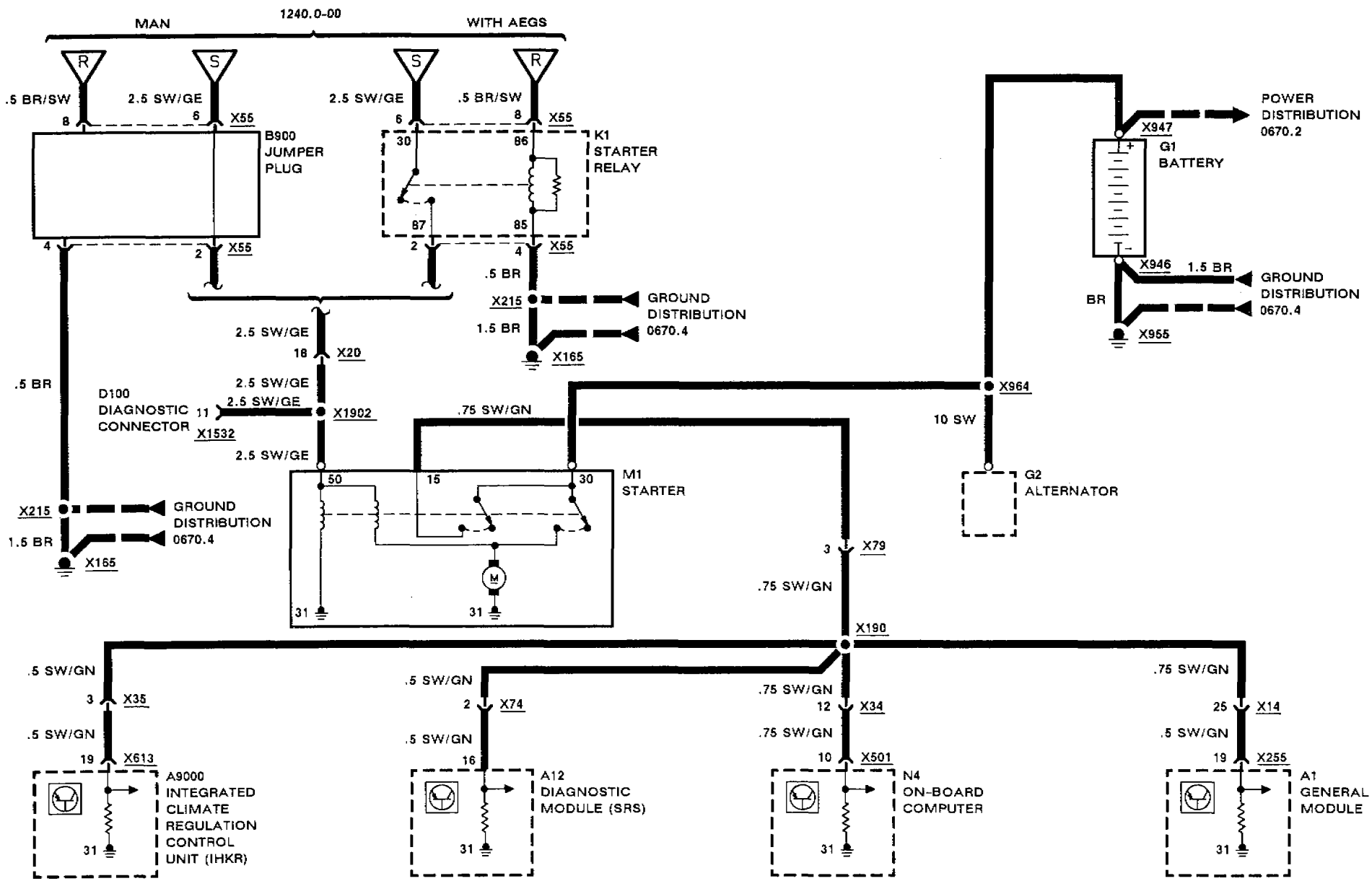
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source: www.ow.no

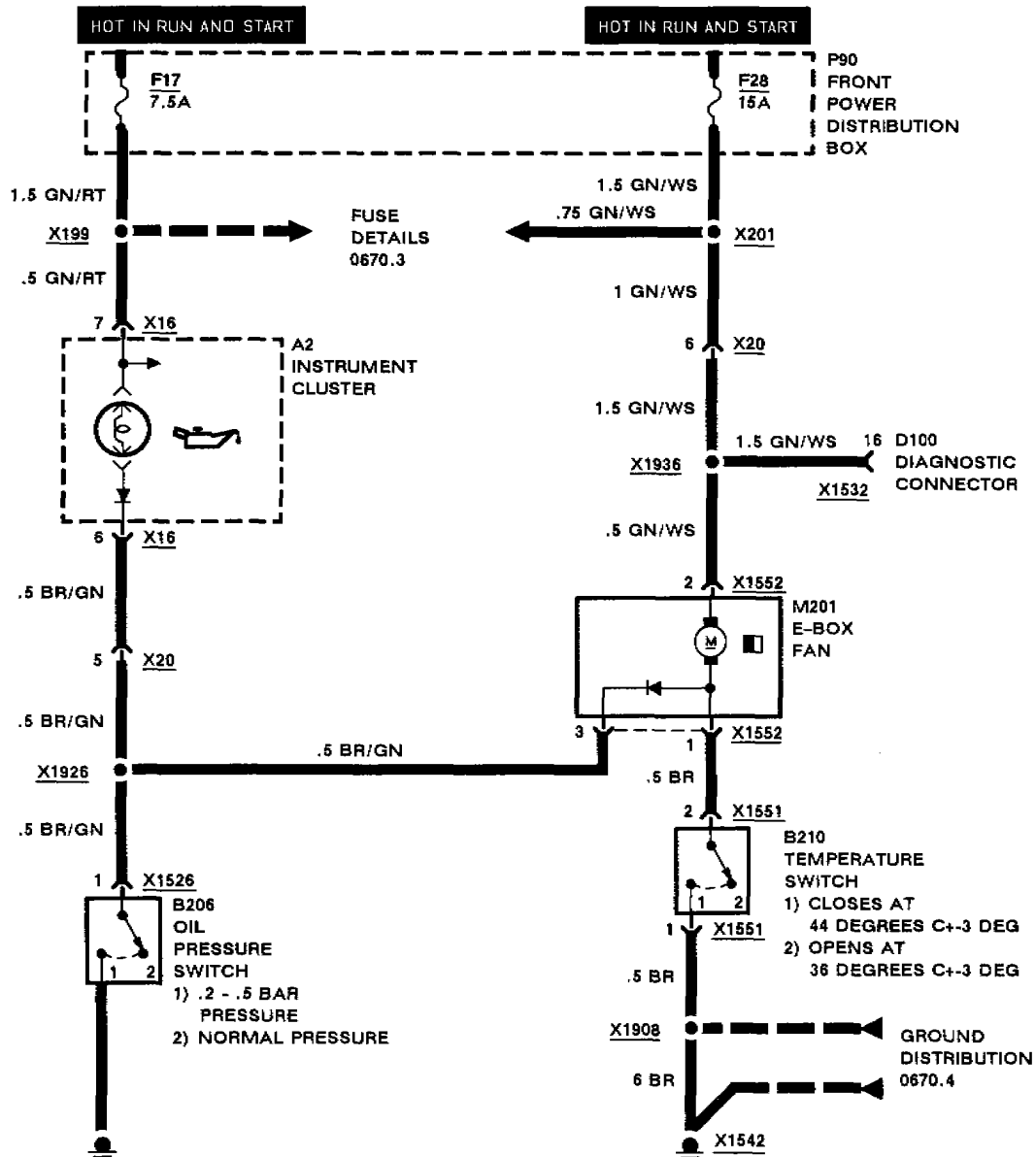


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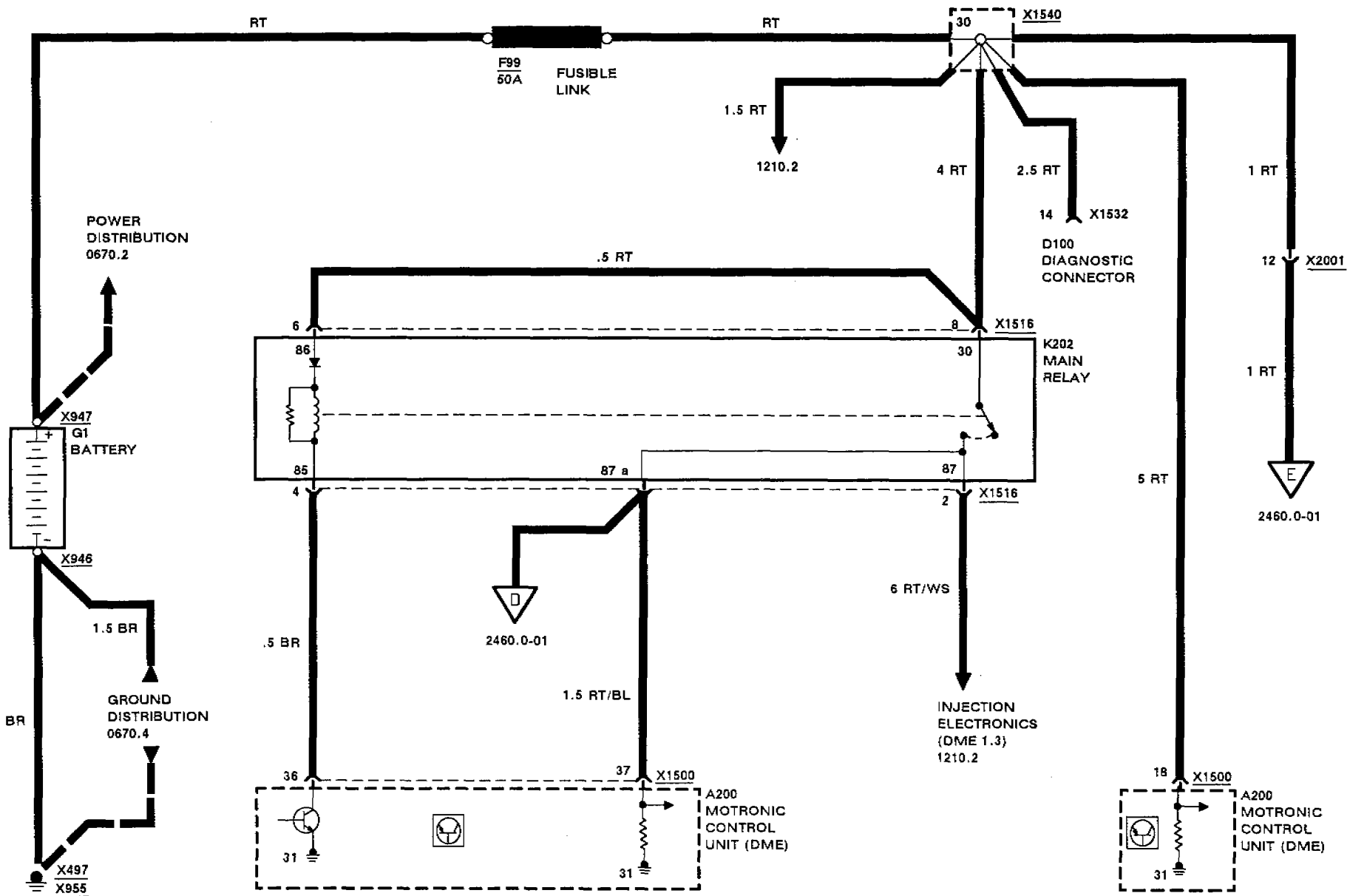
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E - BOX FAN



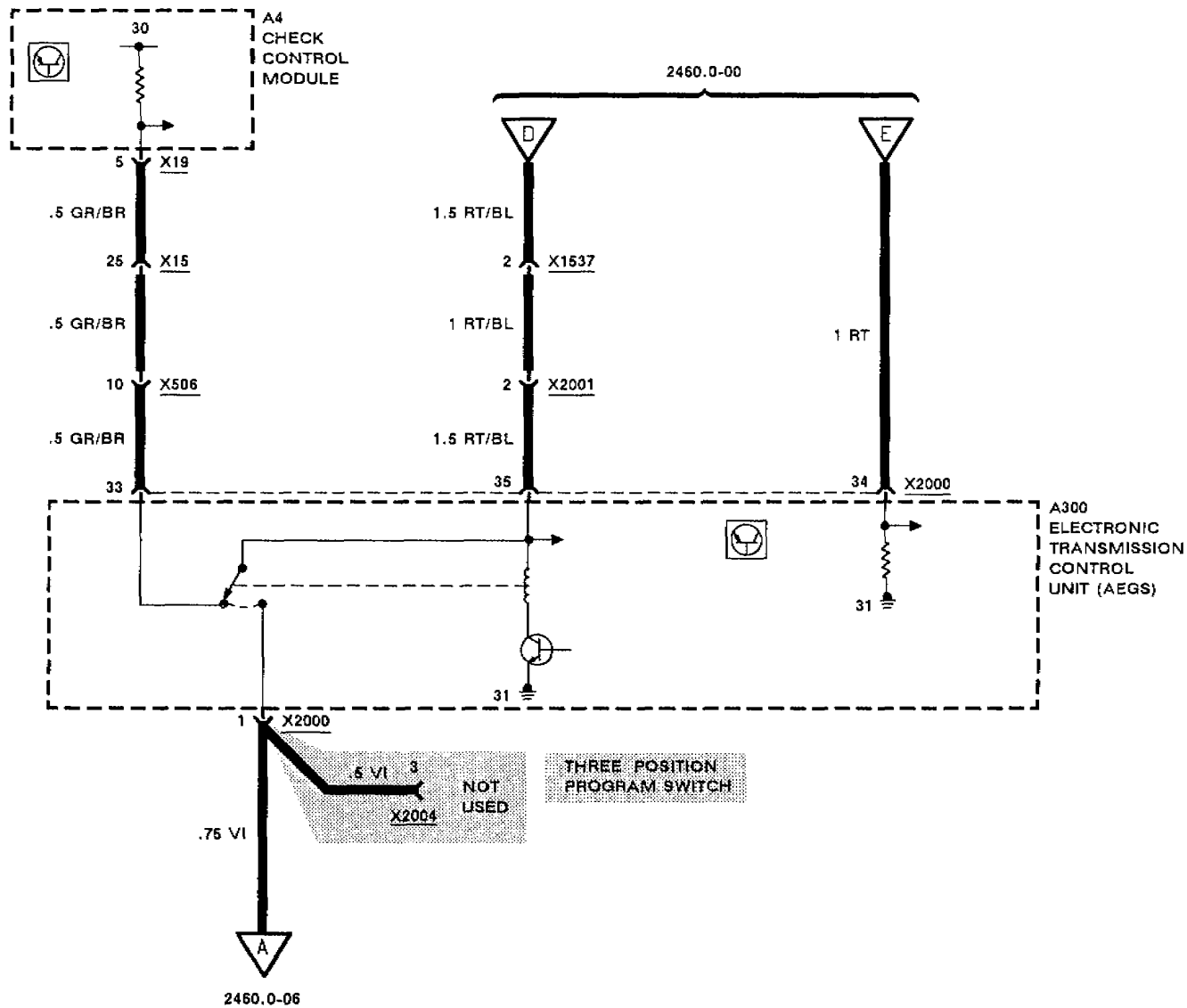
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ELECTRONIC TRANSMISSION CONTROL (AEGS)



source: www.ow.no

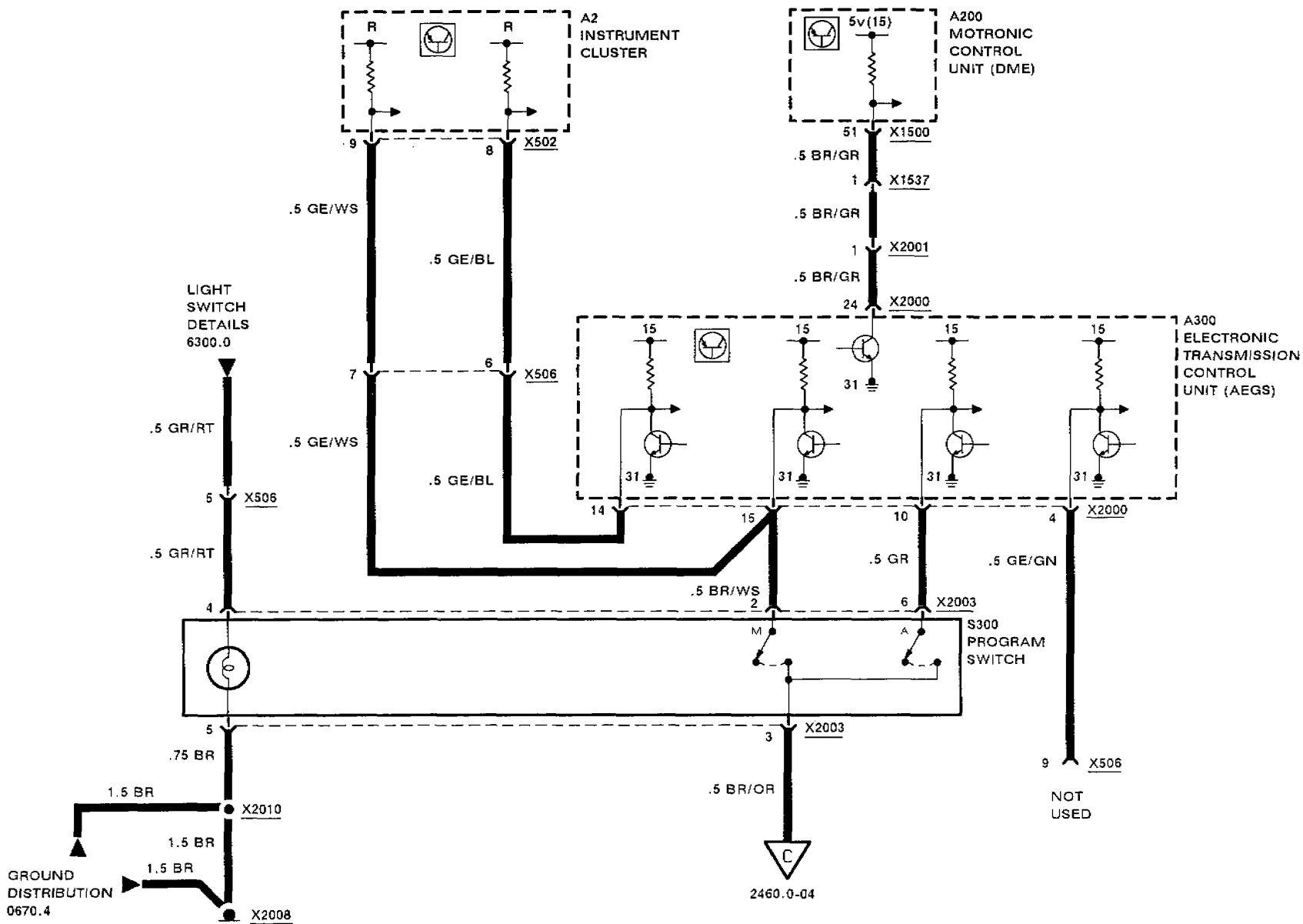
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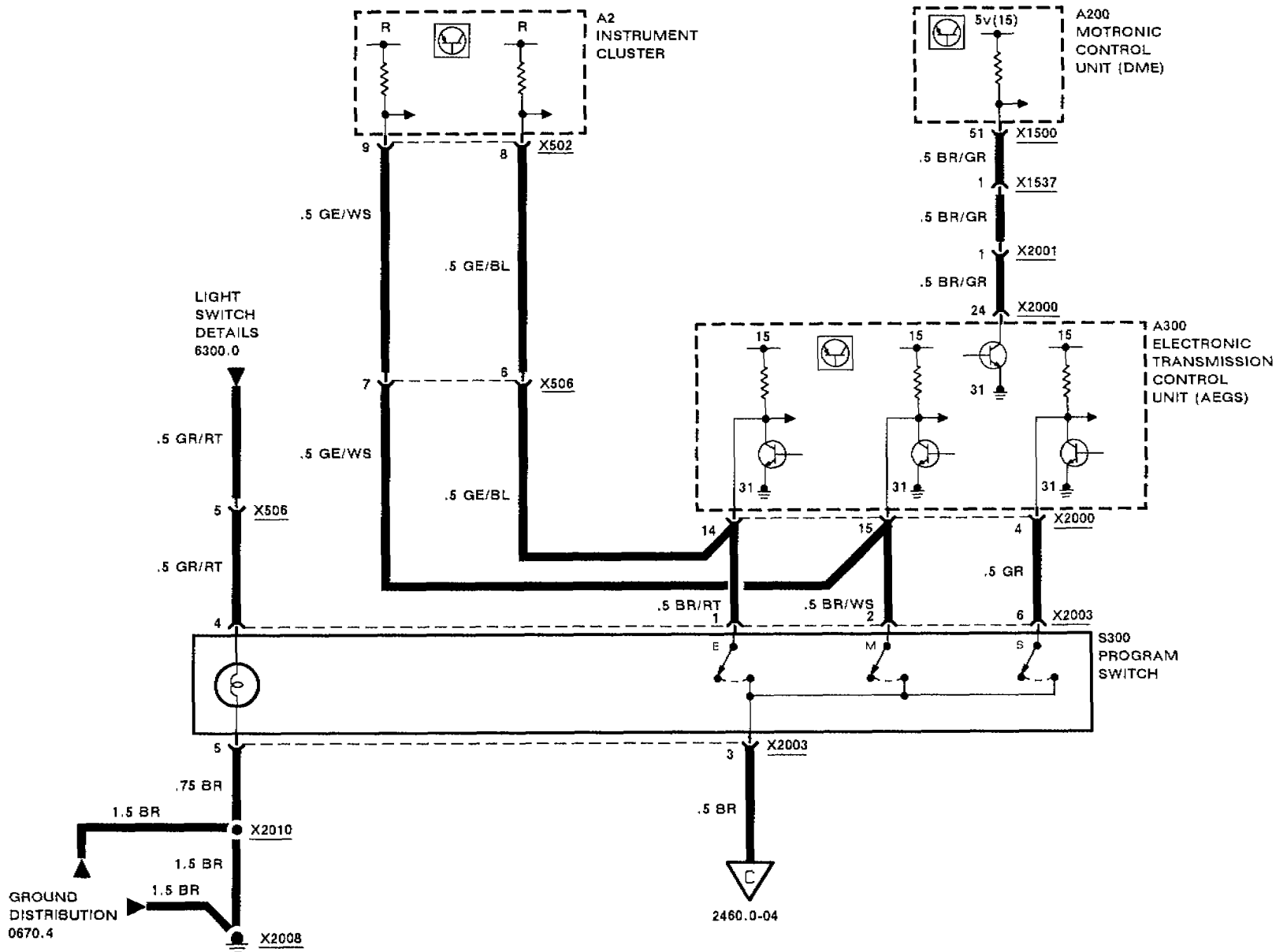
TWO POSITION PROGRAM SWITCH



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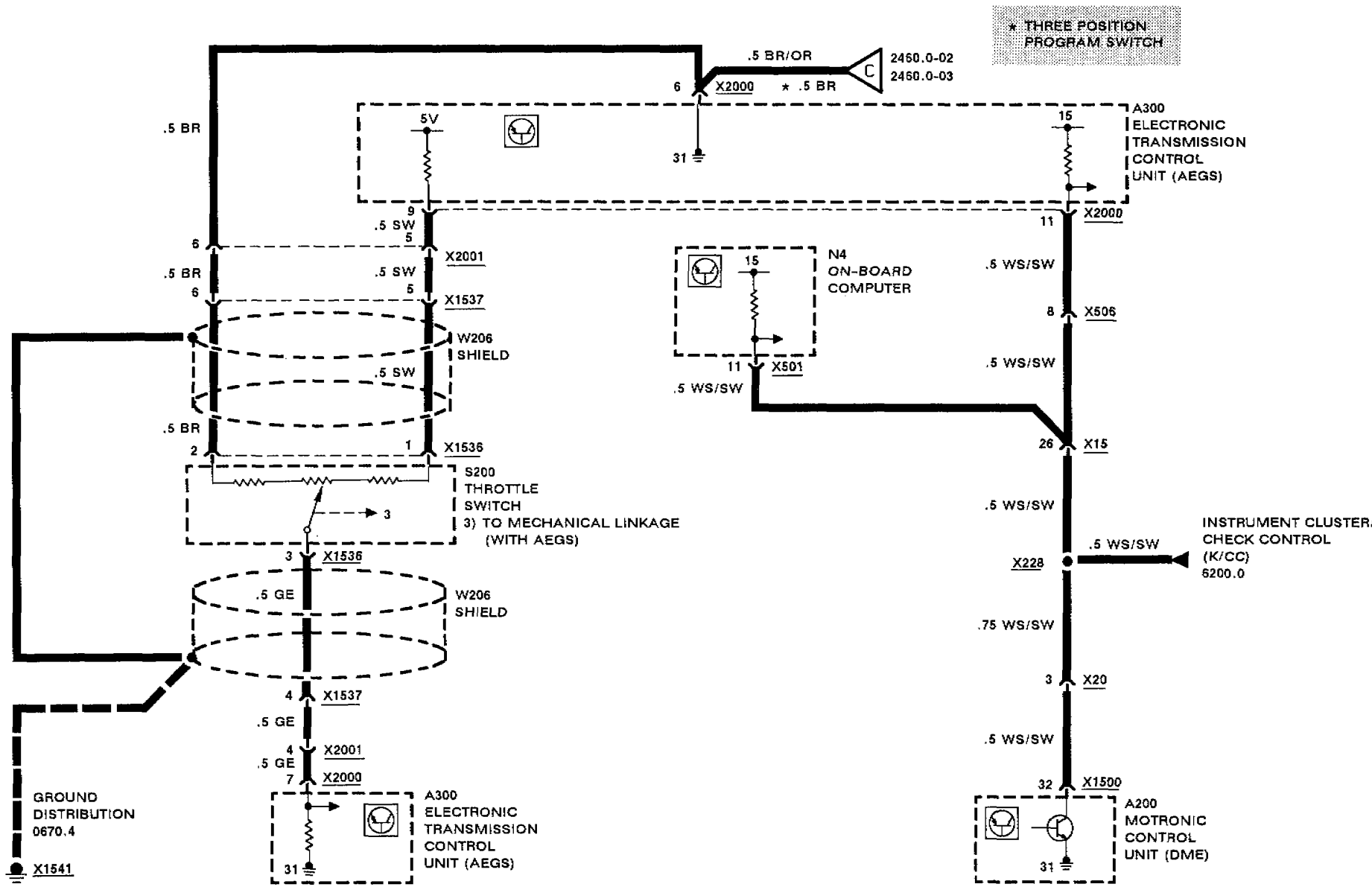
ELECTRONIC TRANSMISSION CONTROL (AEGS)

THREE POSITION PROGRAM SWITCH



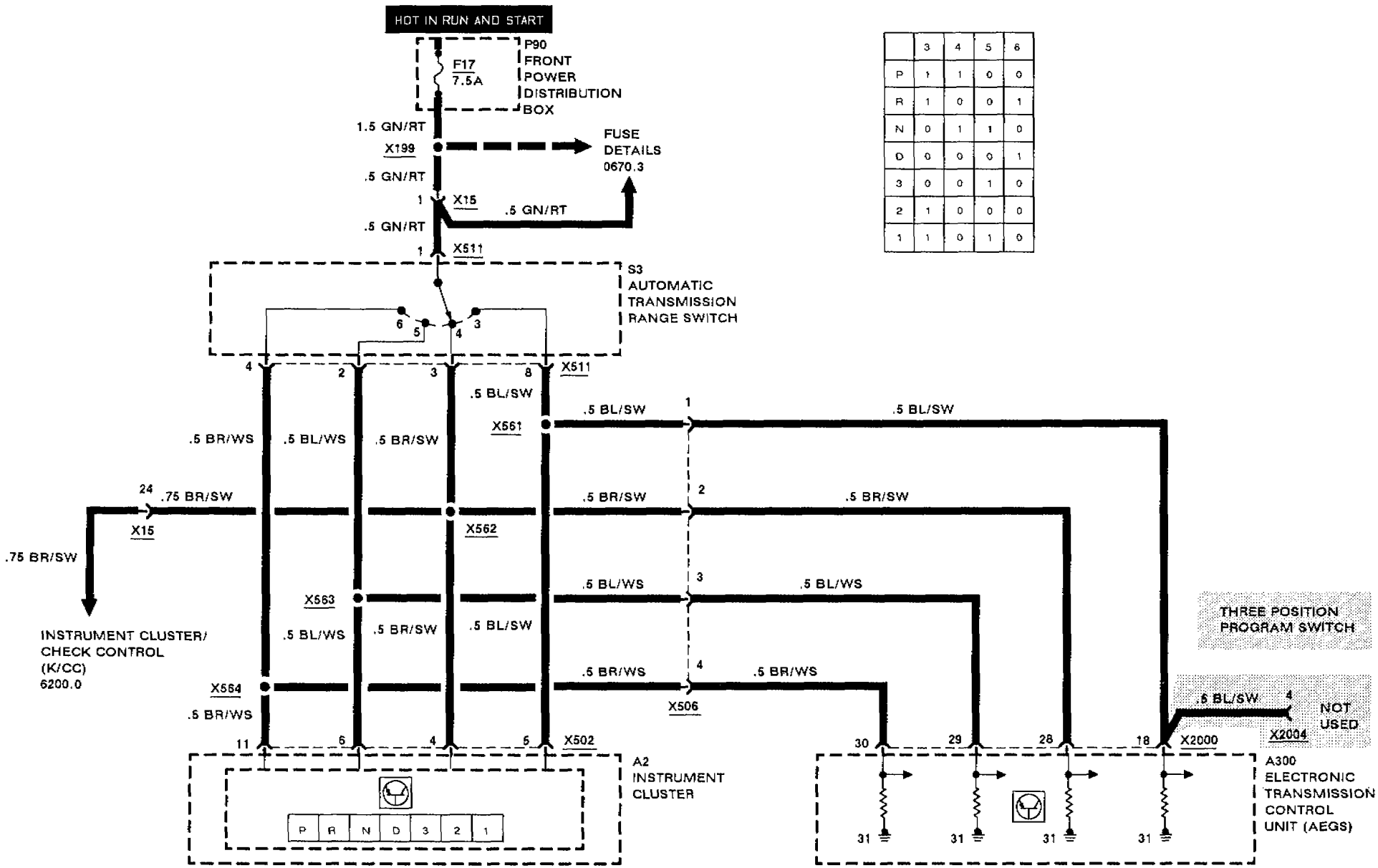
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ELECTRONIC TRANSMISSION CONTROL (AEGS)



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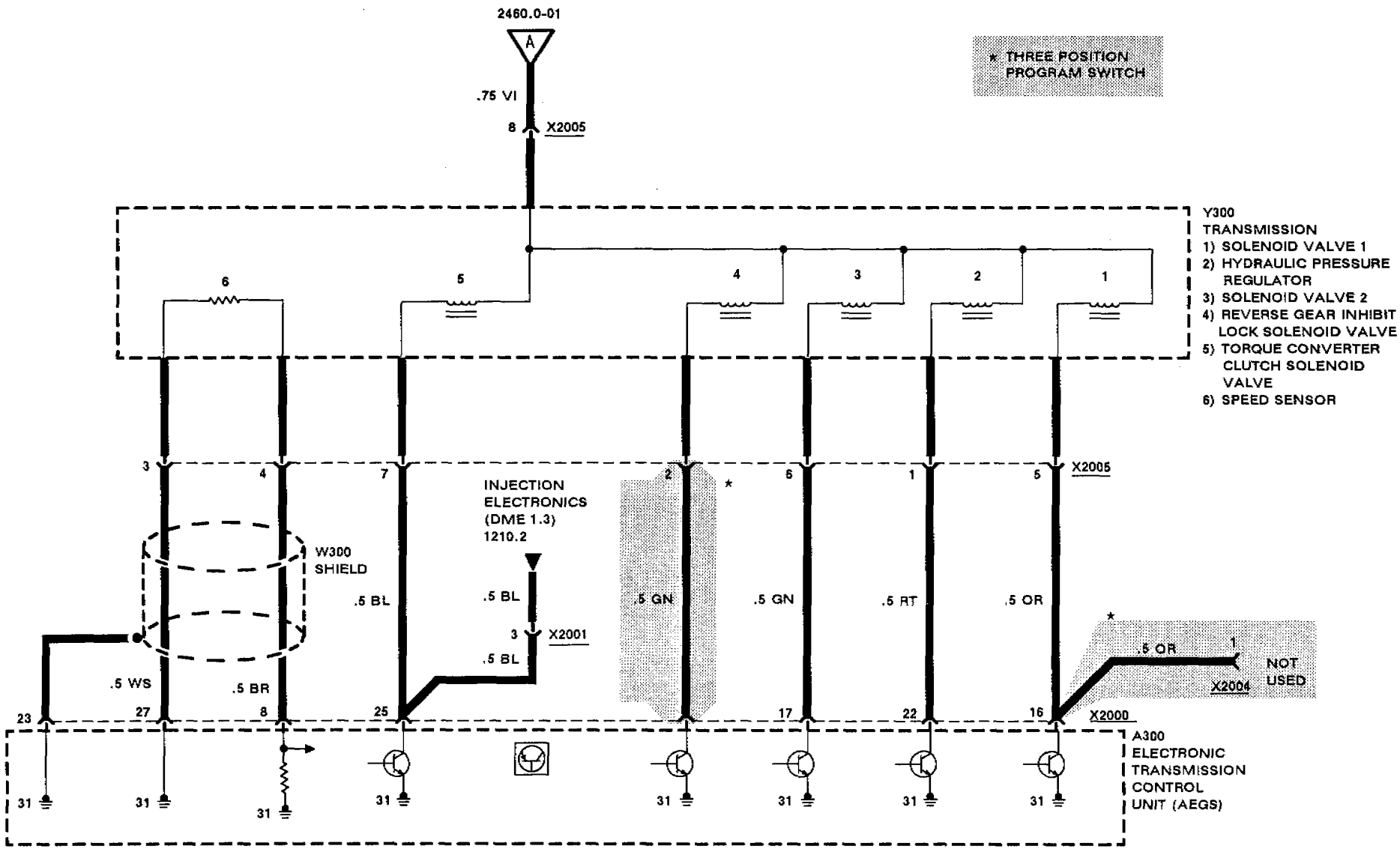
ELECTRONIC TRANSMISSION CONTROL (AEGS)



	3	4	5	6
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

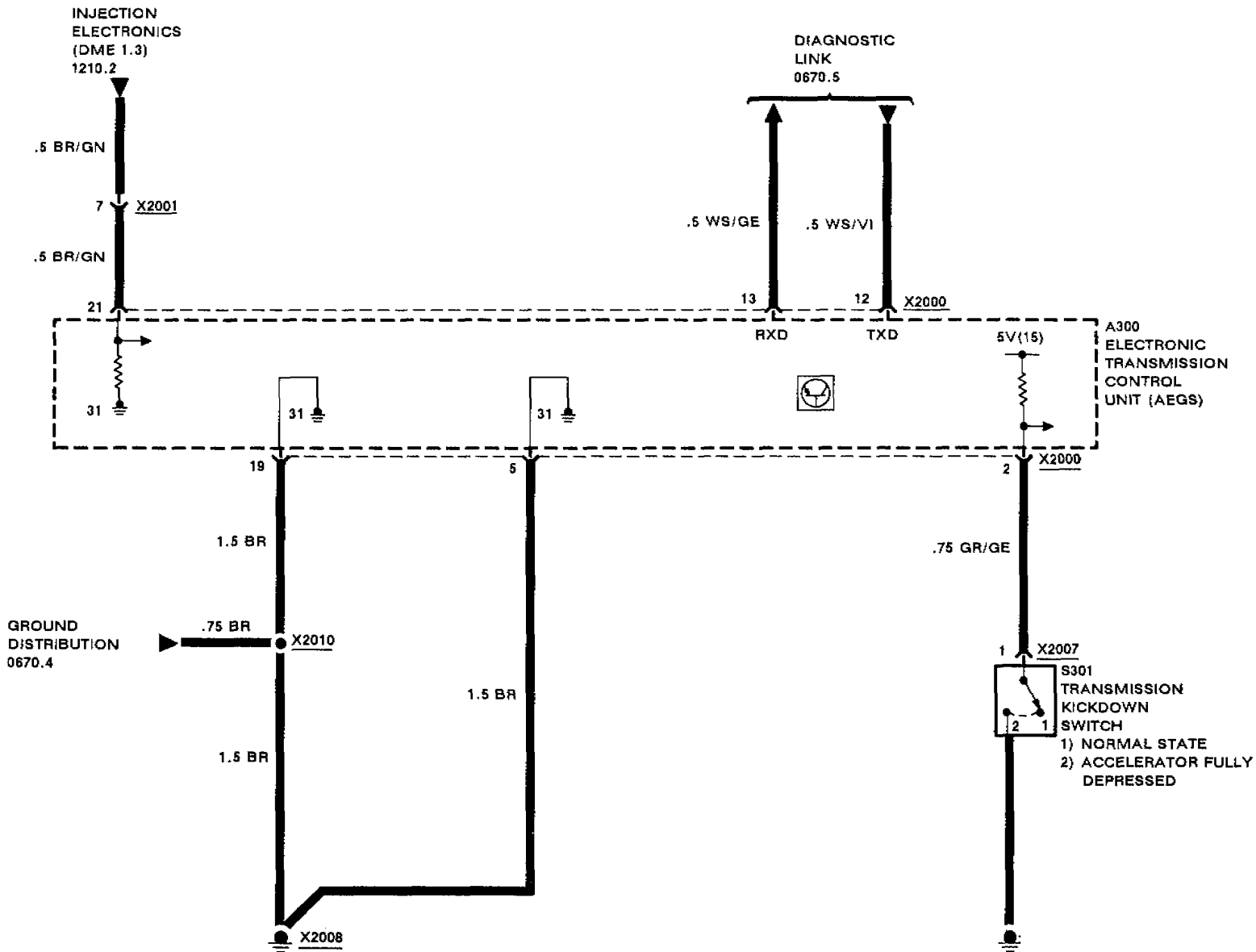
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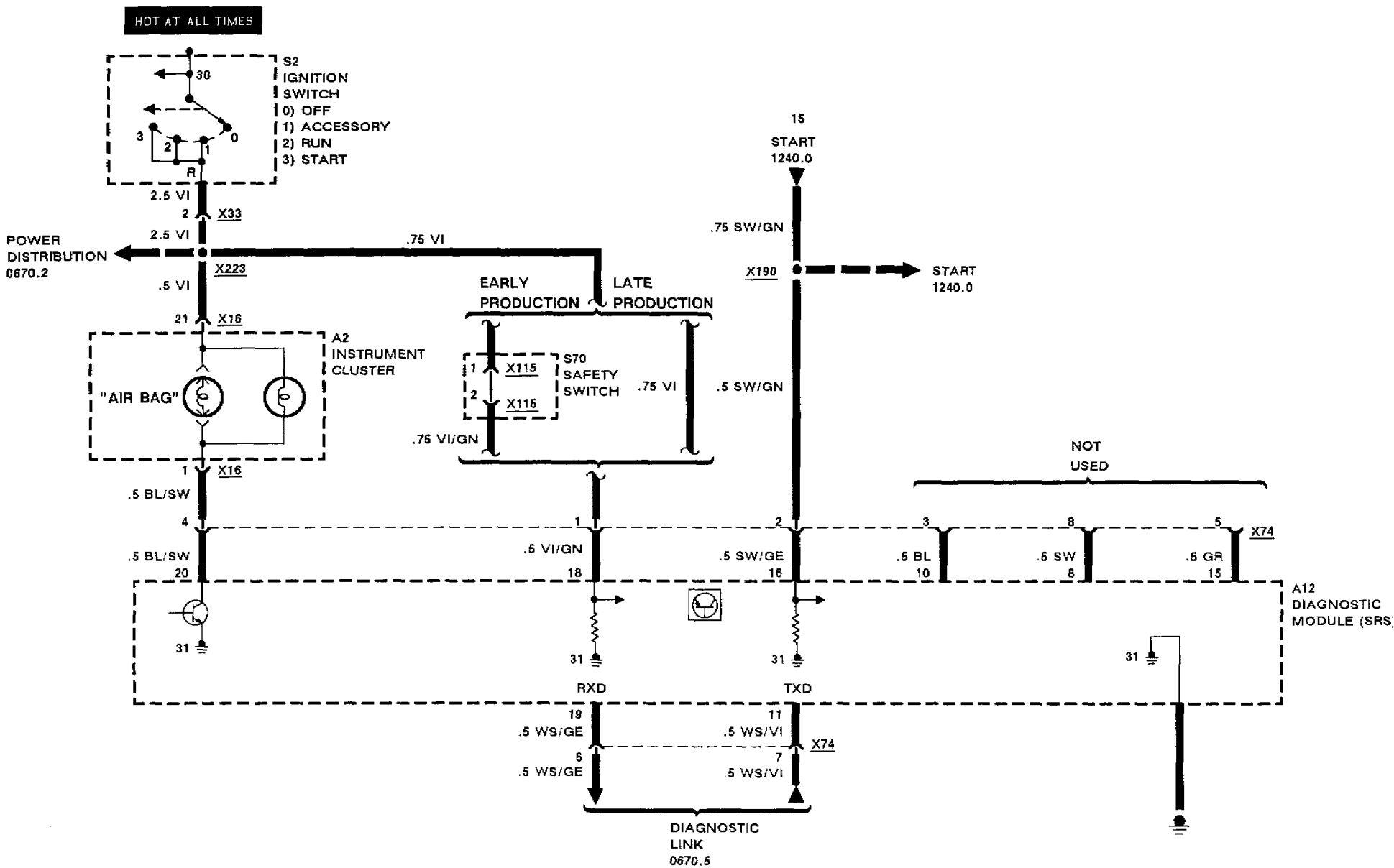
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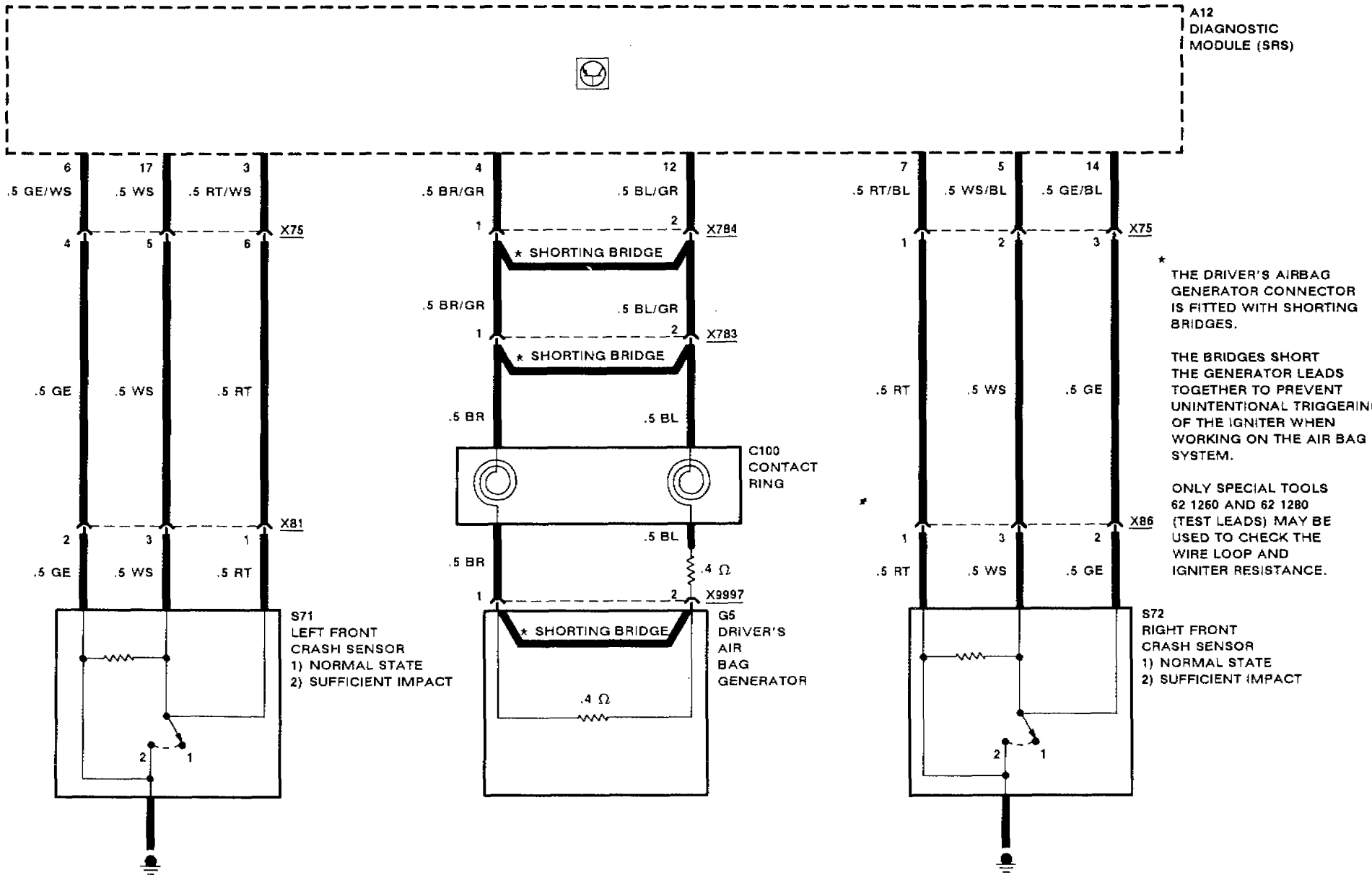
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG) 535i ONLY



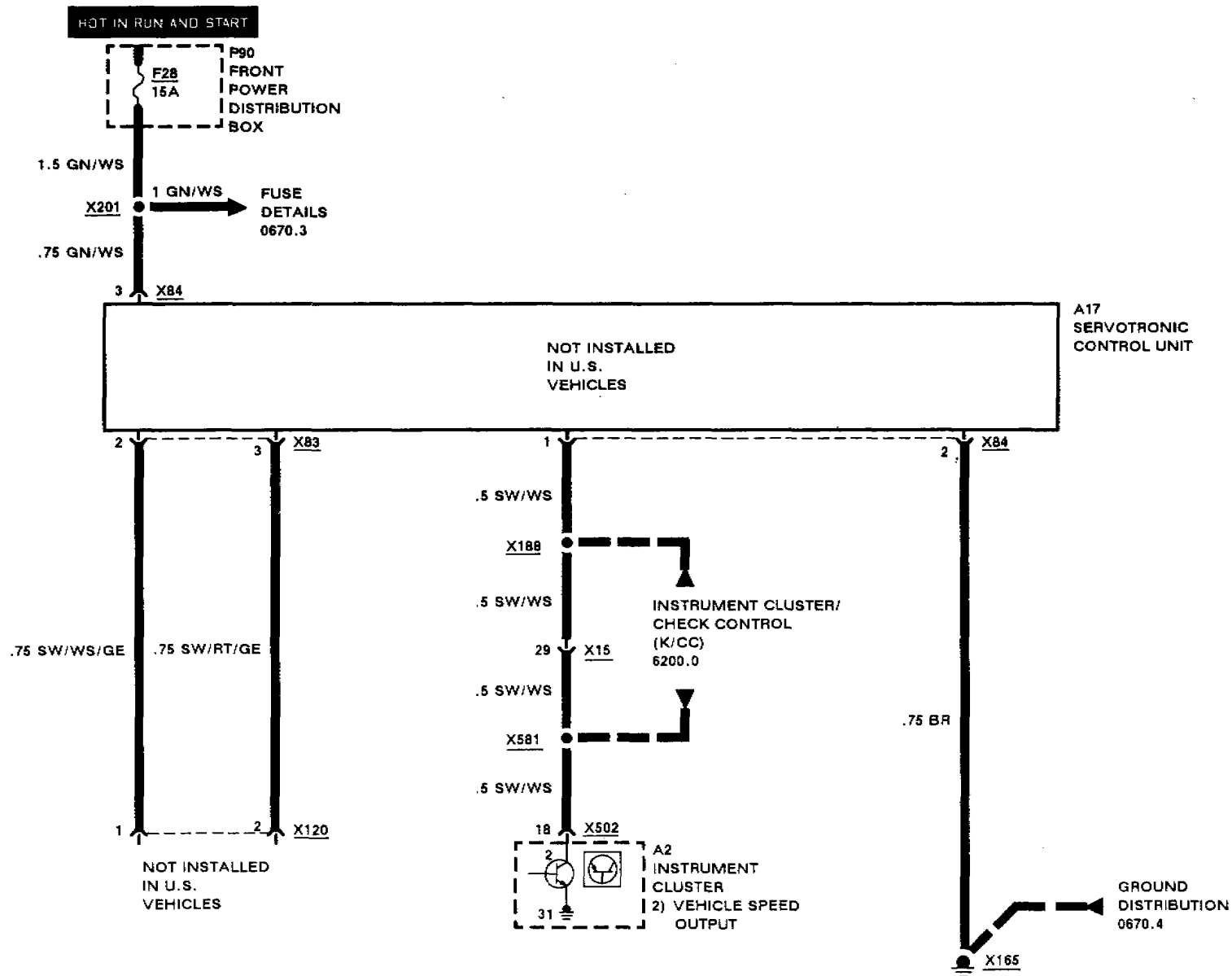
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SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



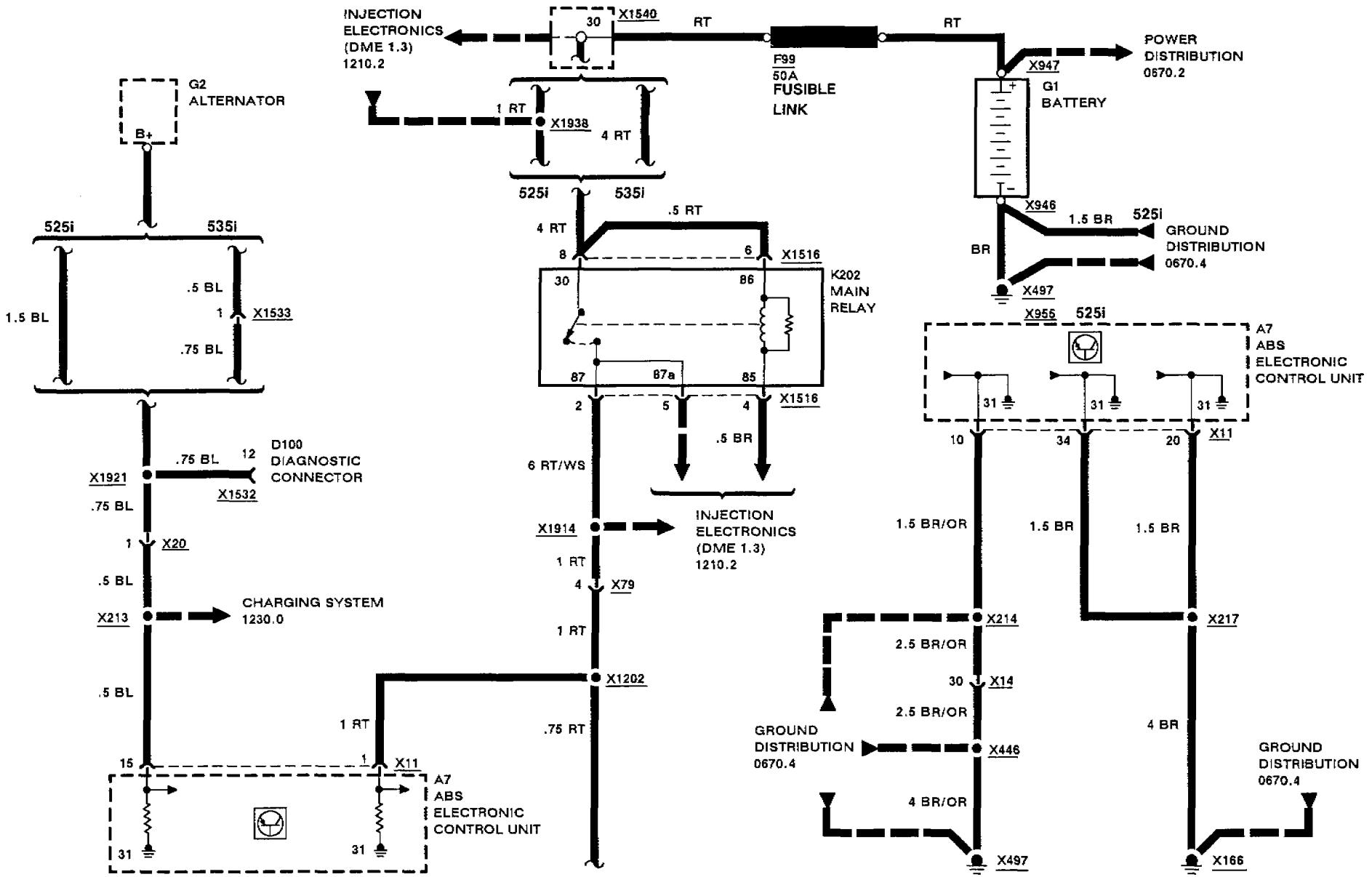
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POWER ASSIST STEERING (SERVOTRONIC)

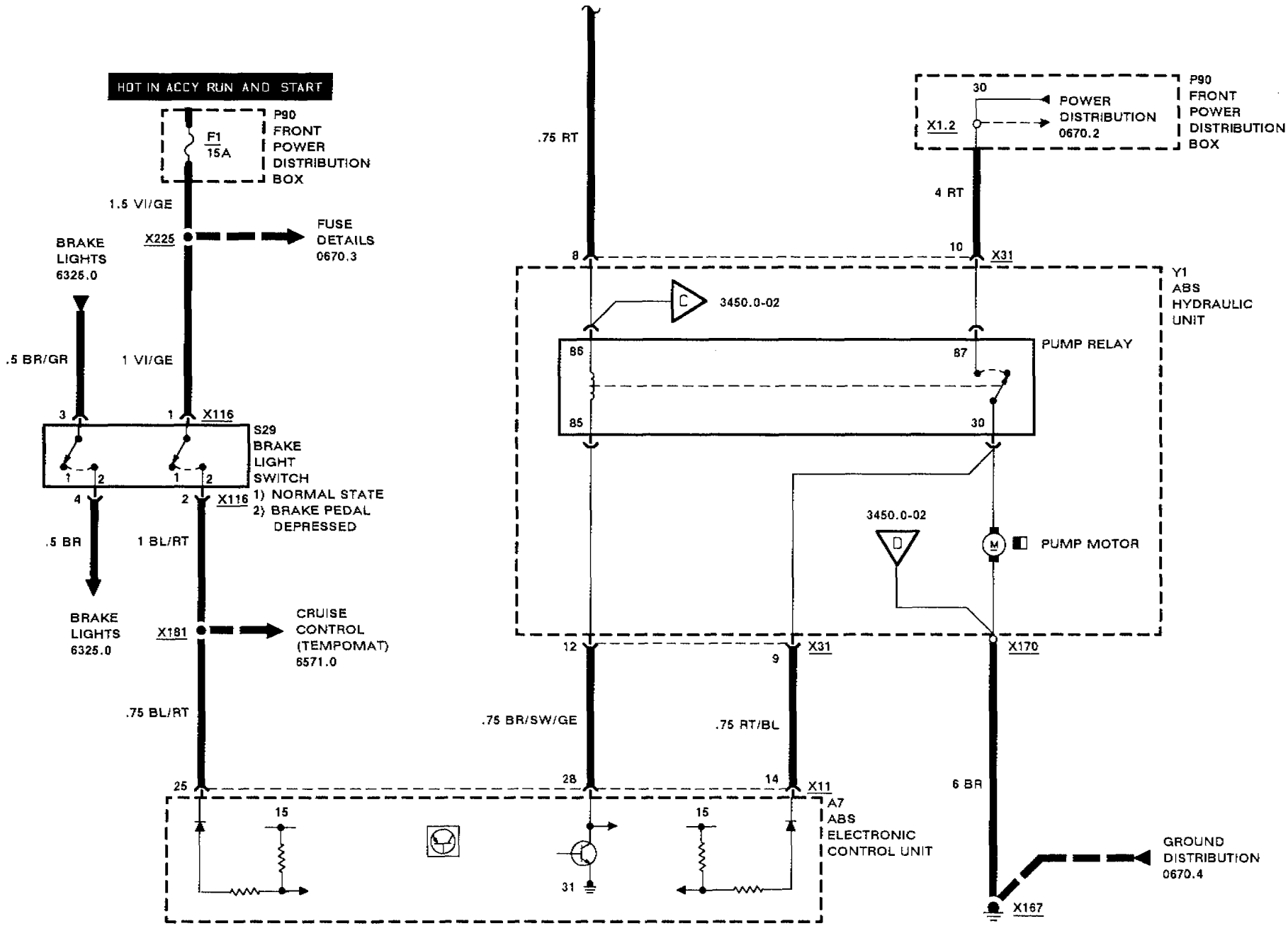


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ANTILOCK BRAKE SYSTEM (ABS)

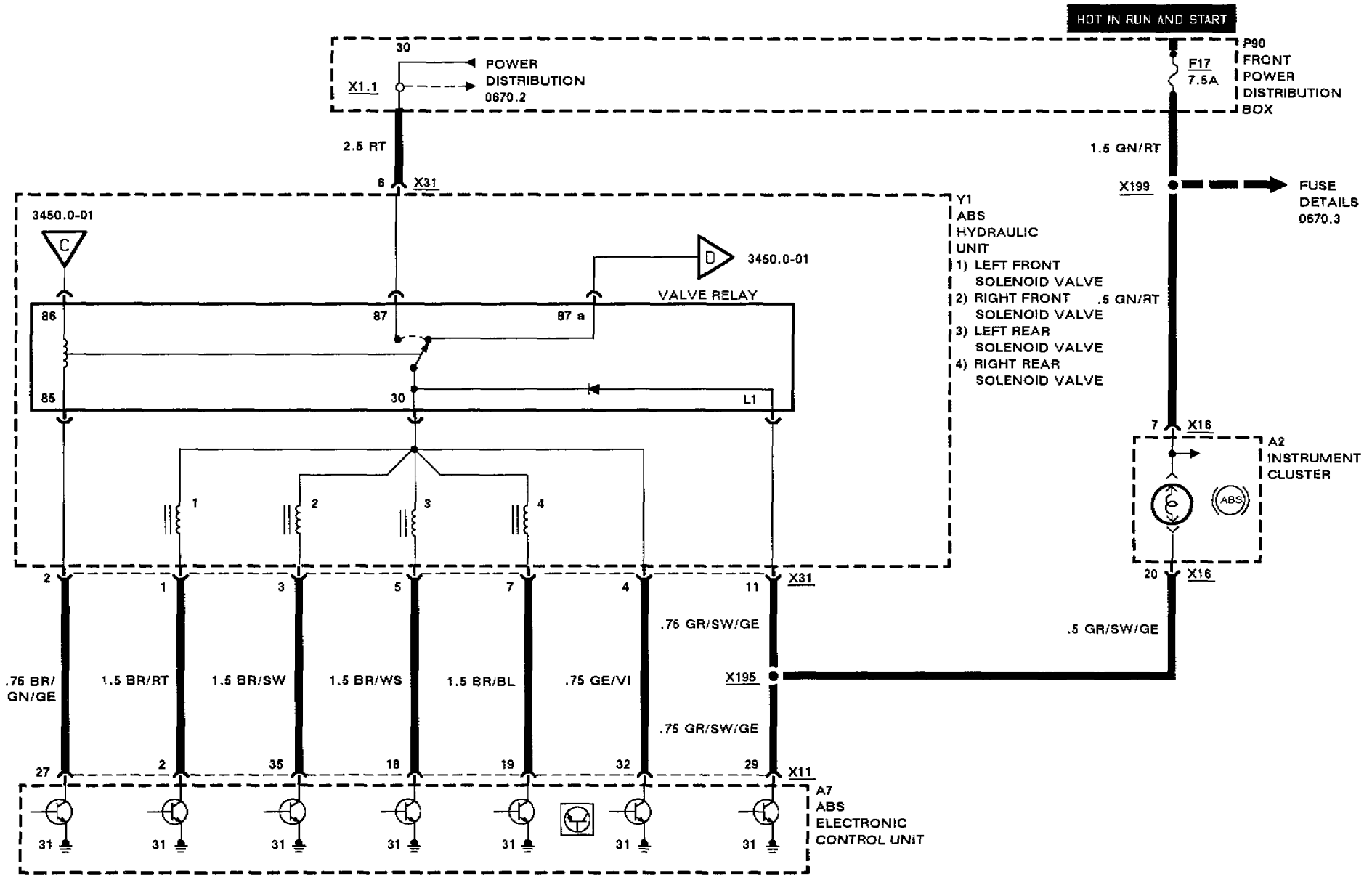


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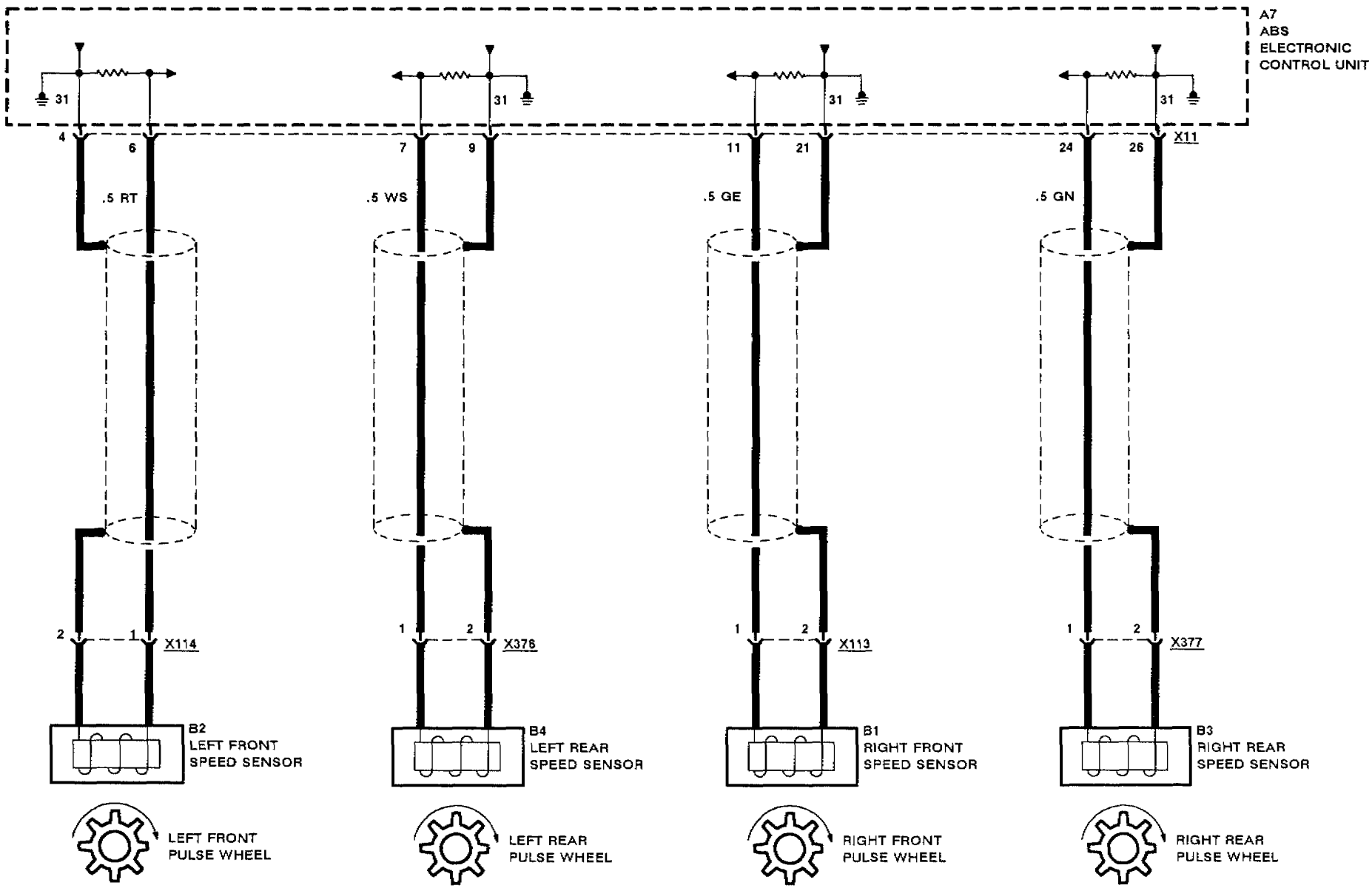
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ANTILOCK BRAKE SYSTEM (ABS)



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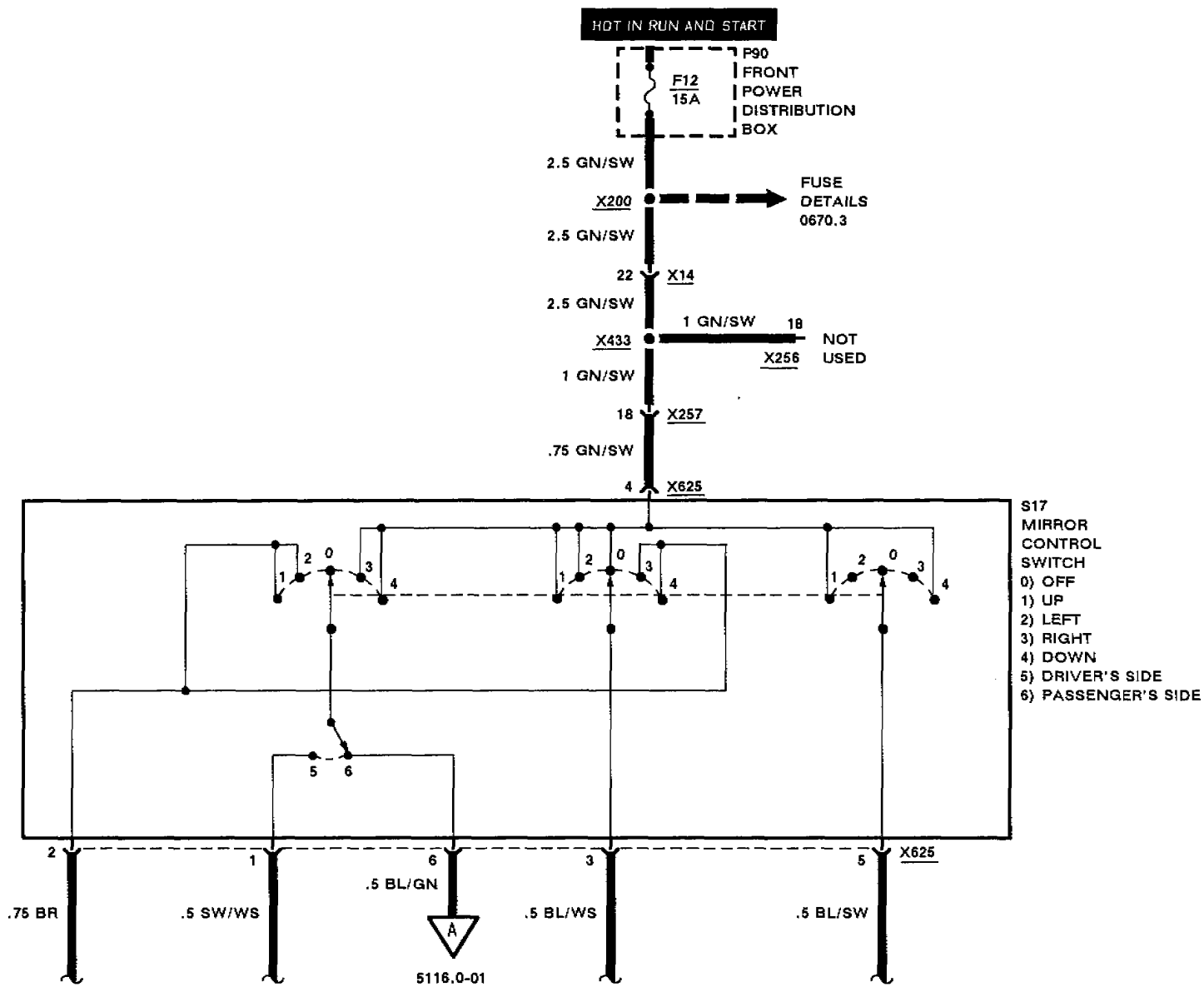
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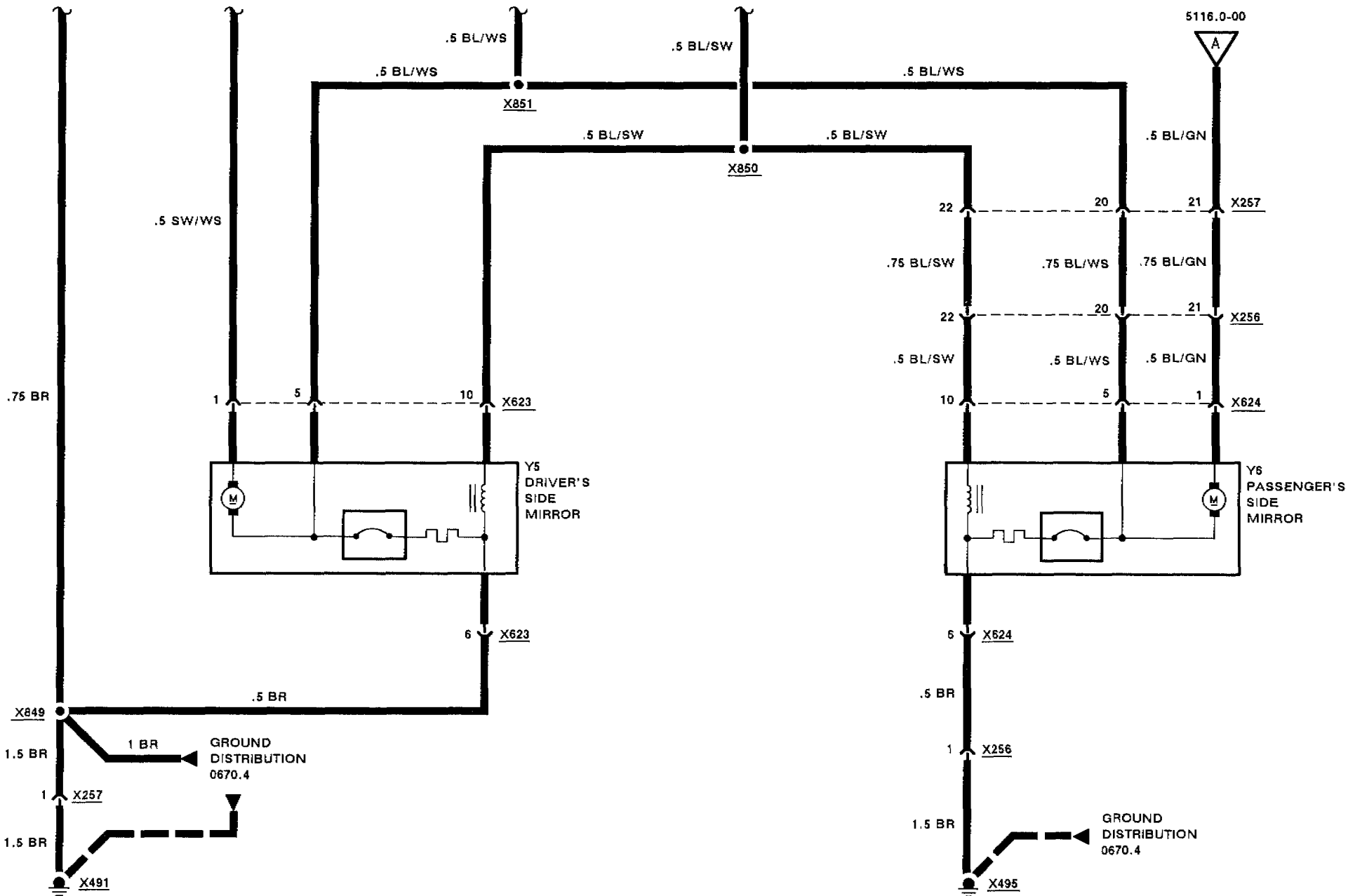
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POWER MIRRORS

EXTERIOR MIRRORS



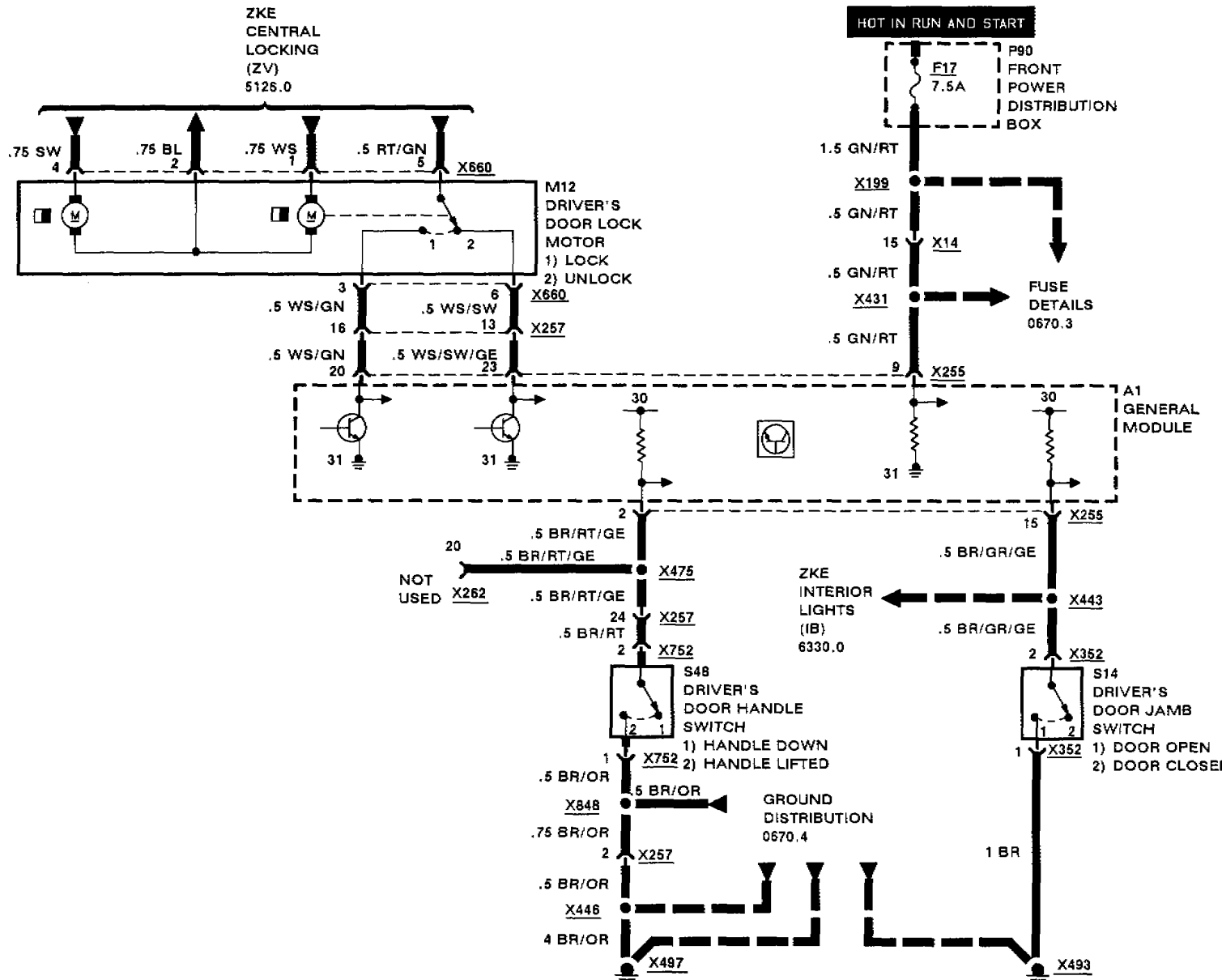
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source: www.ow.no

ZKE DOOR LOCK HEATING (TSH)

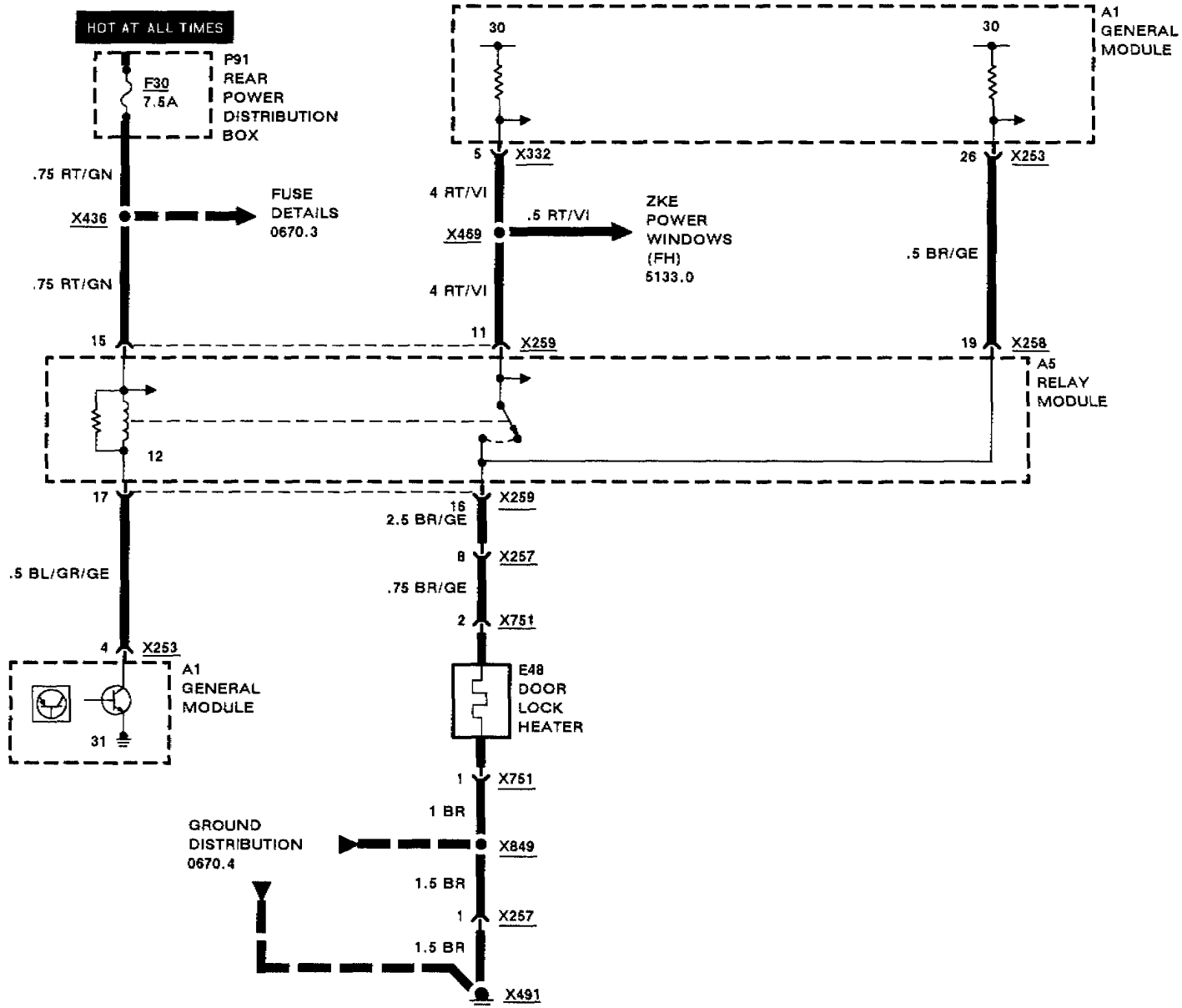
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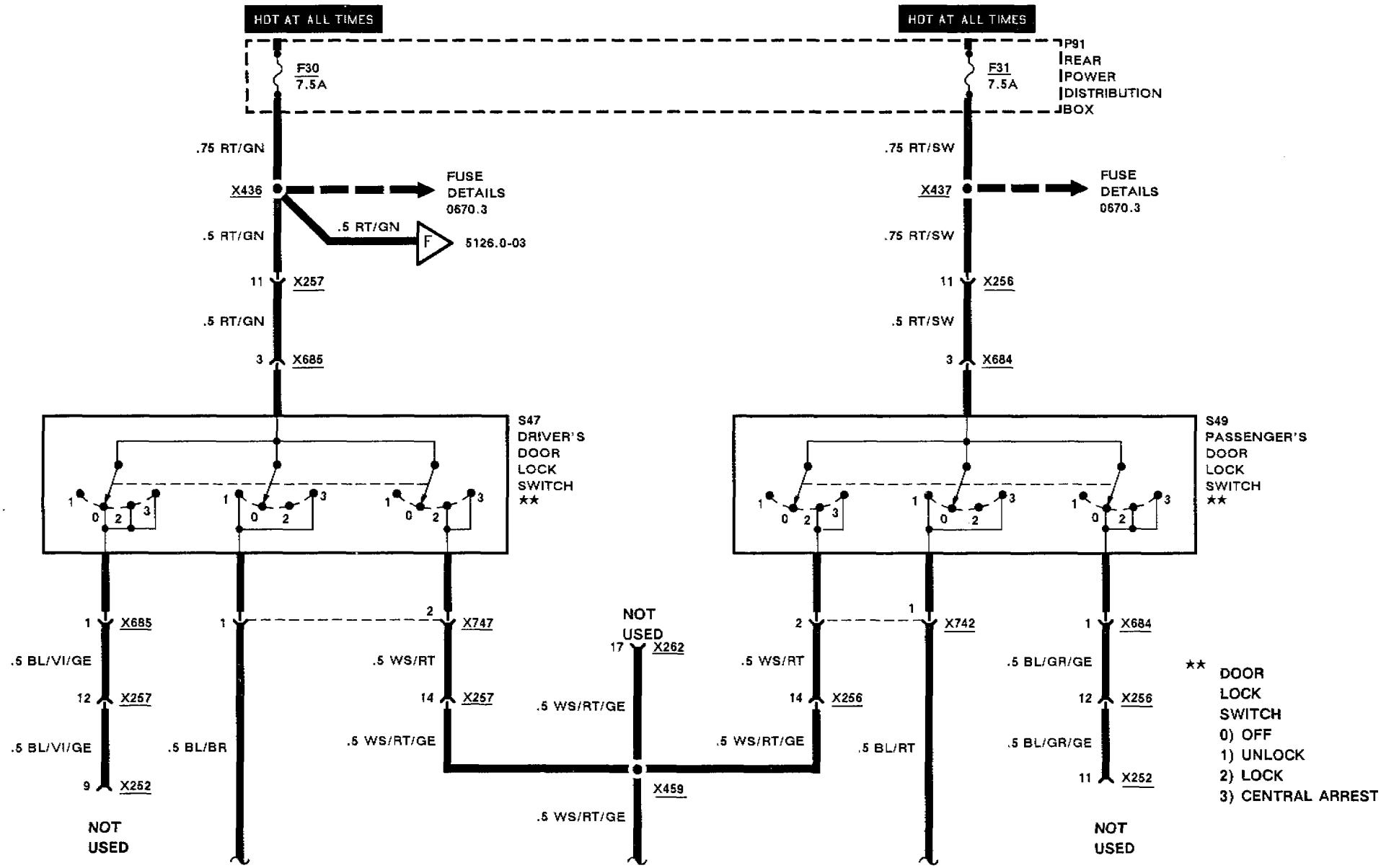
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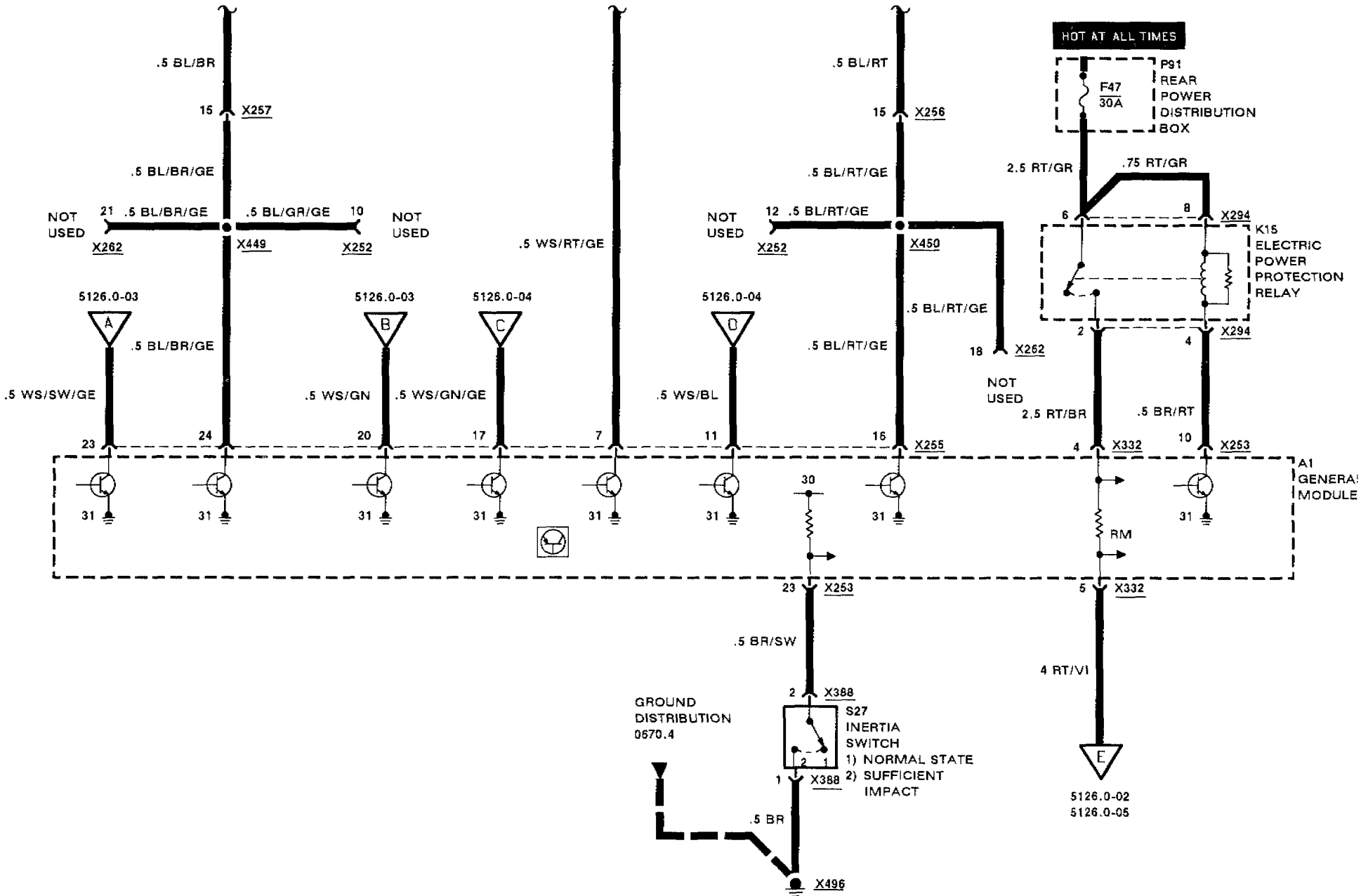
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ZKE CENTRAL LOCKING (ZV)

INPUT DETAILS



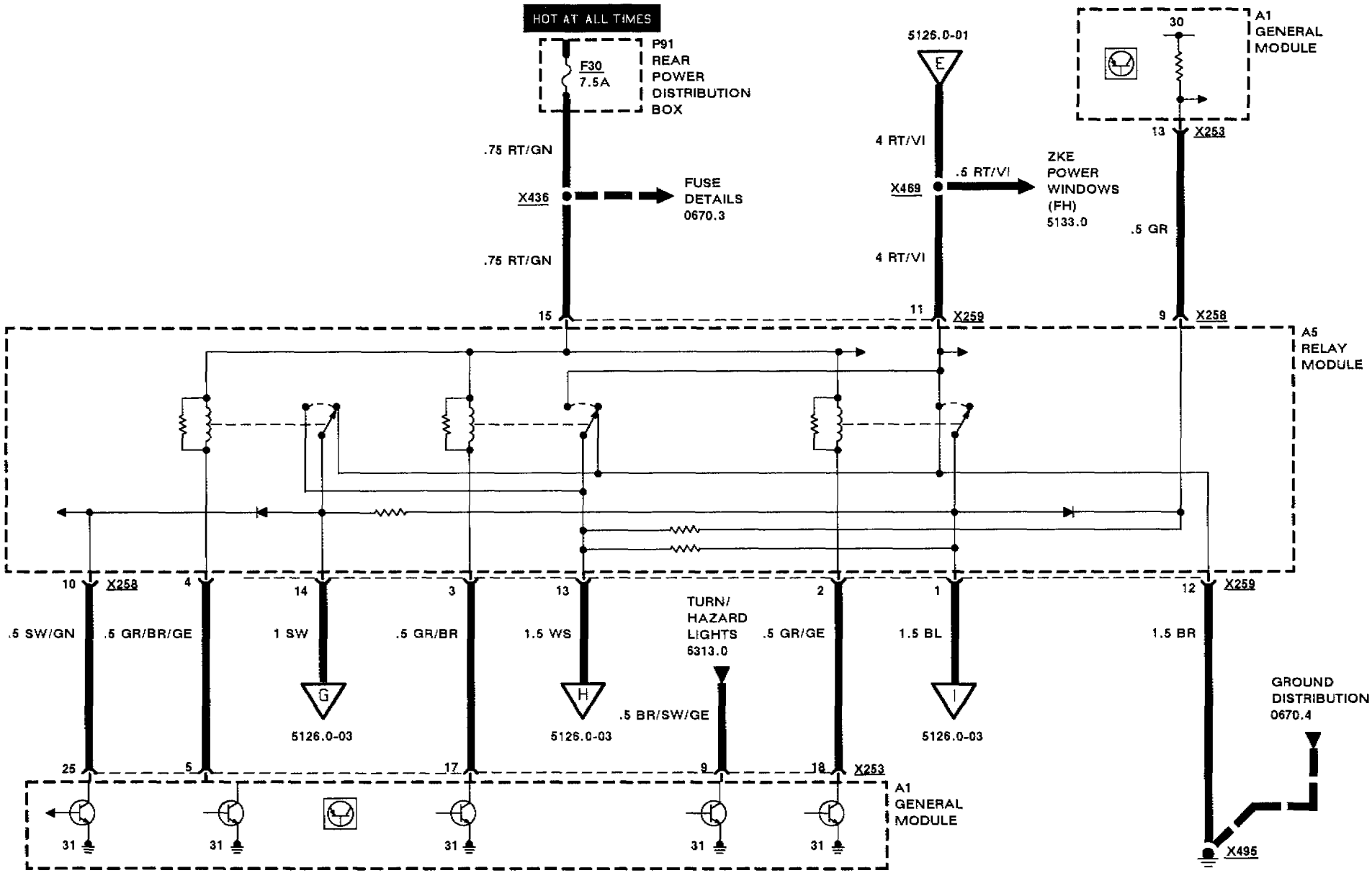
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source: www.ow.no

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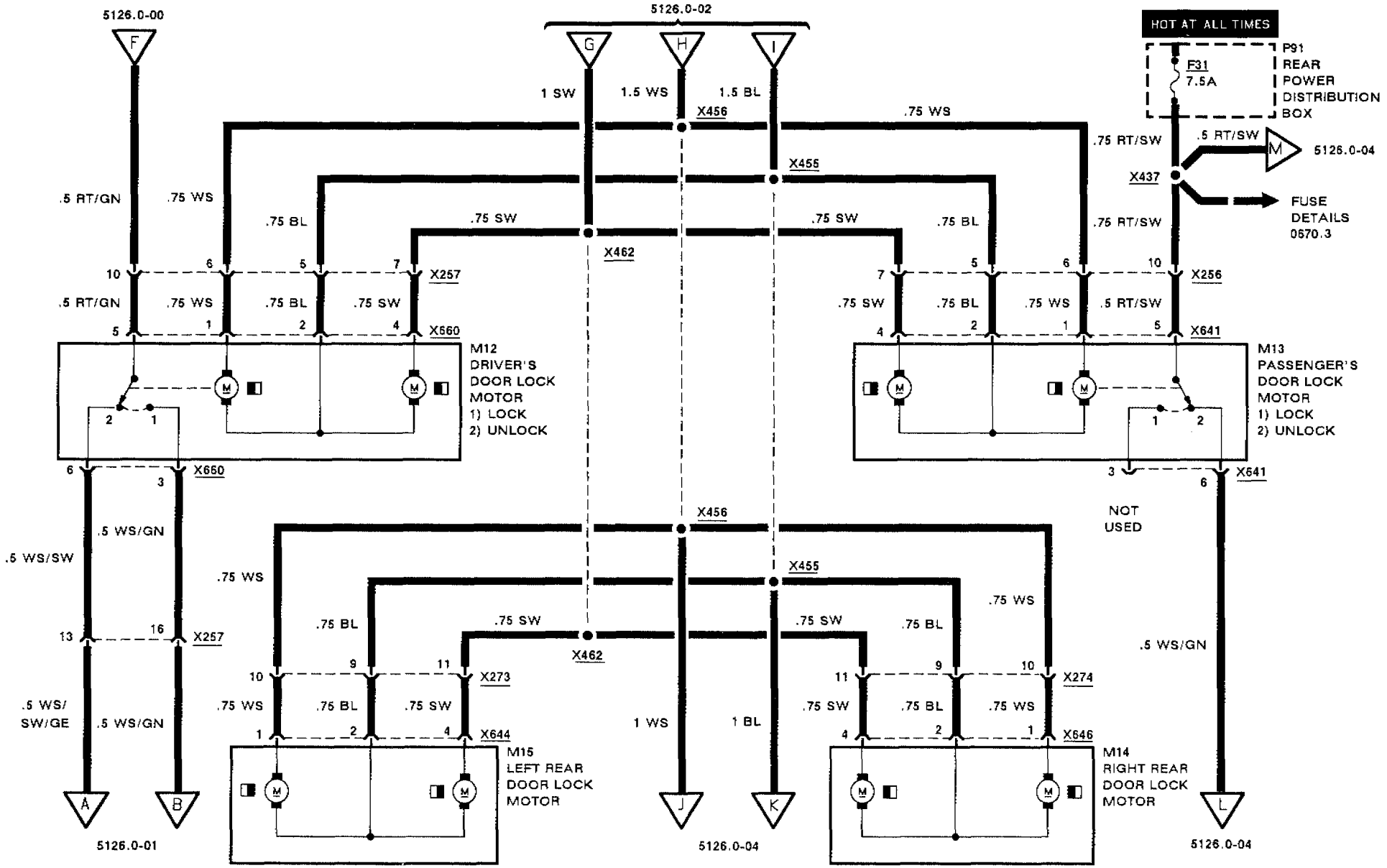
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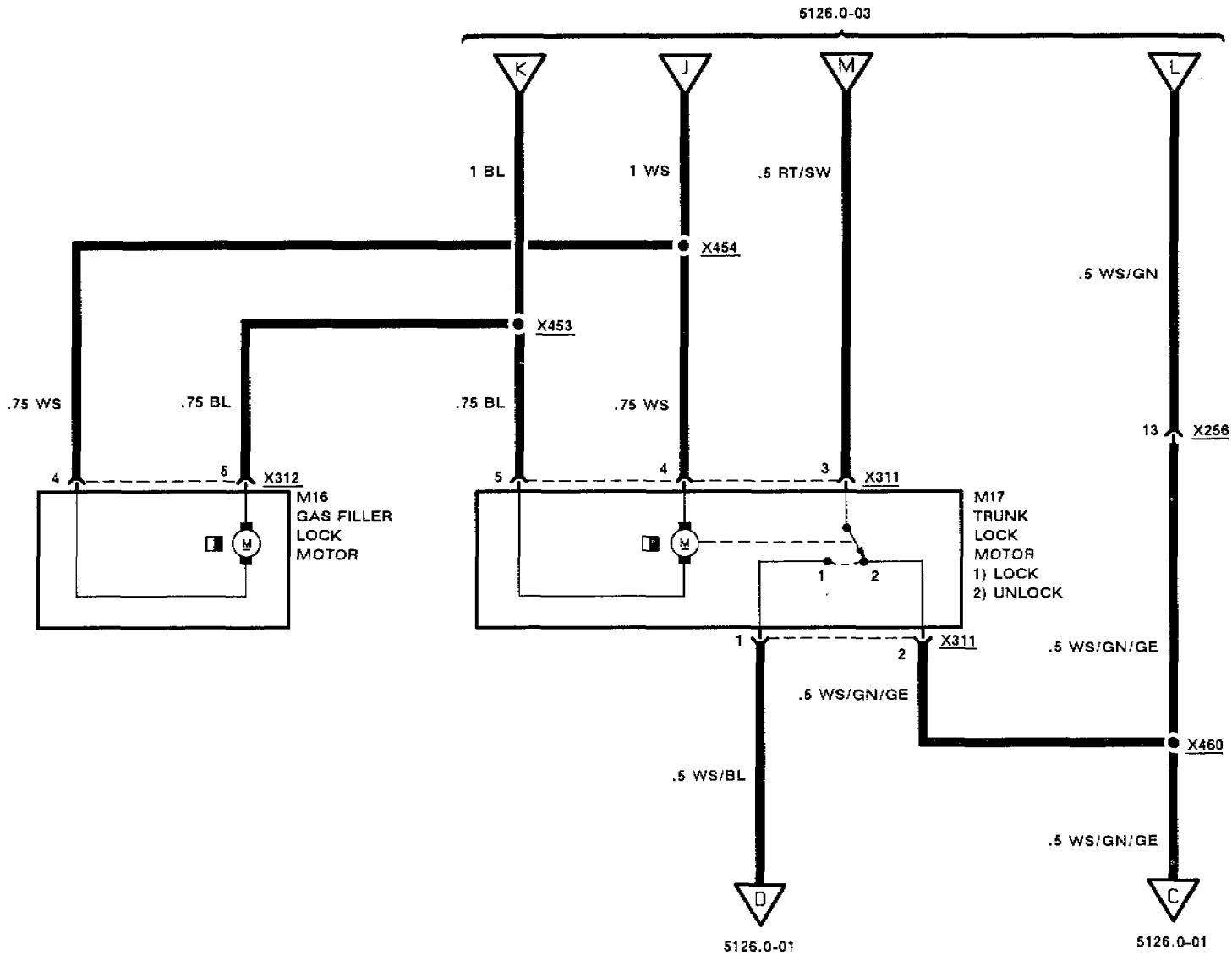
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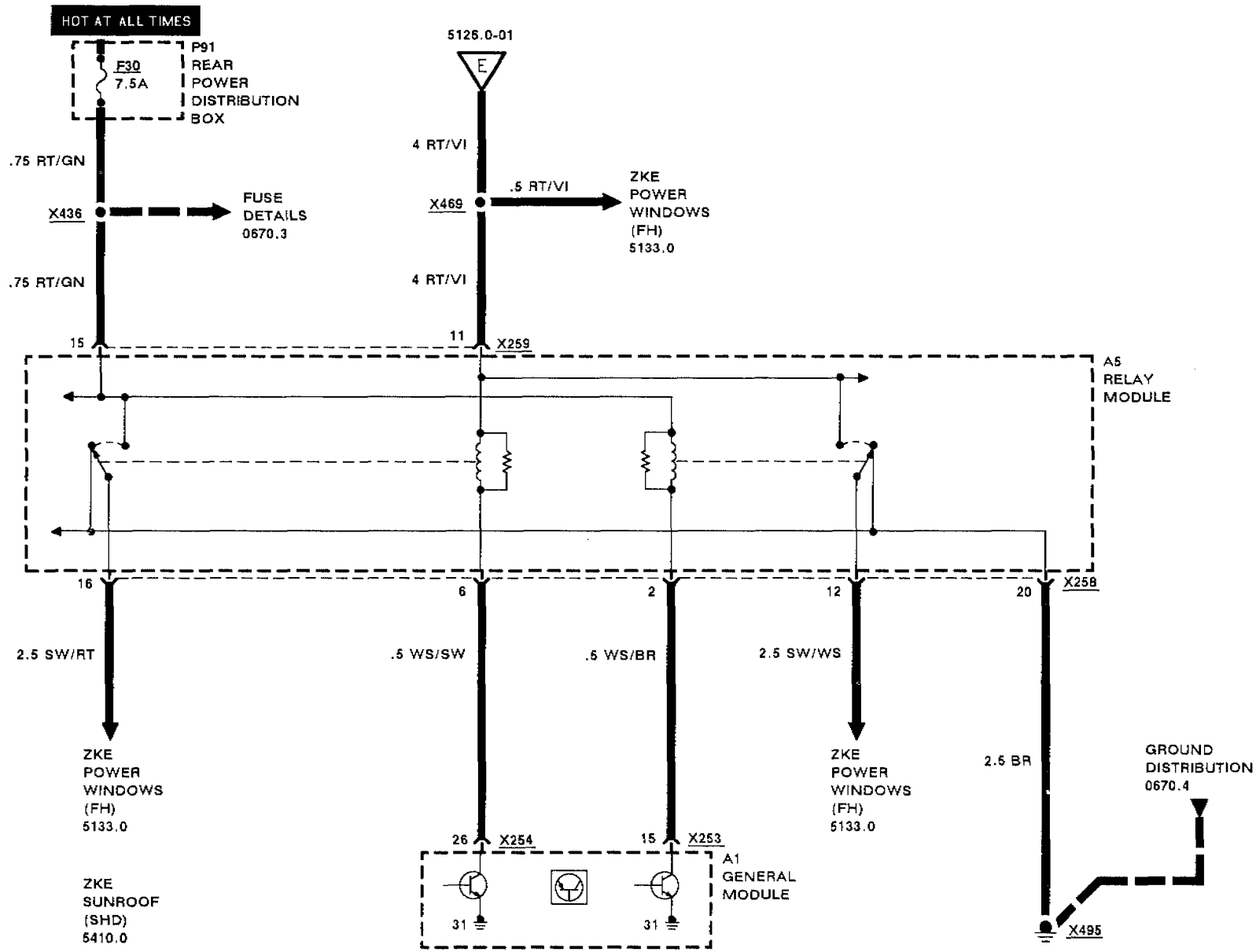
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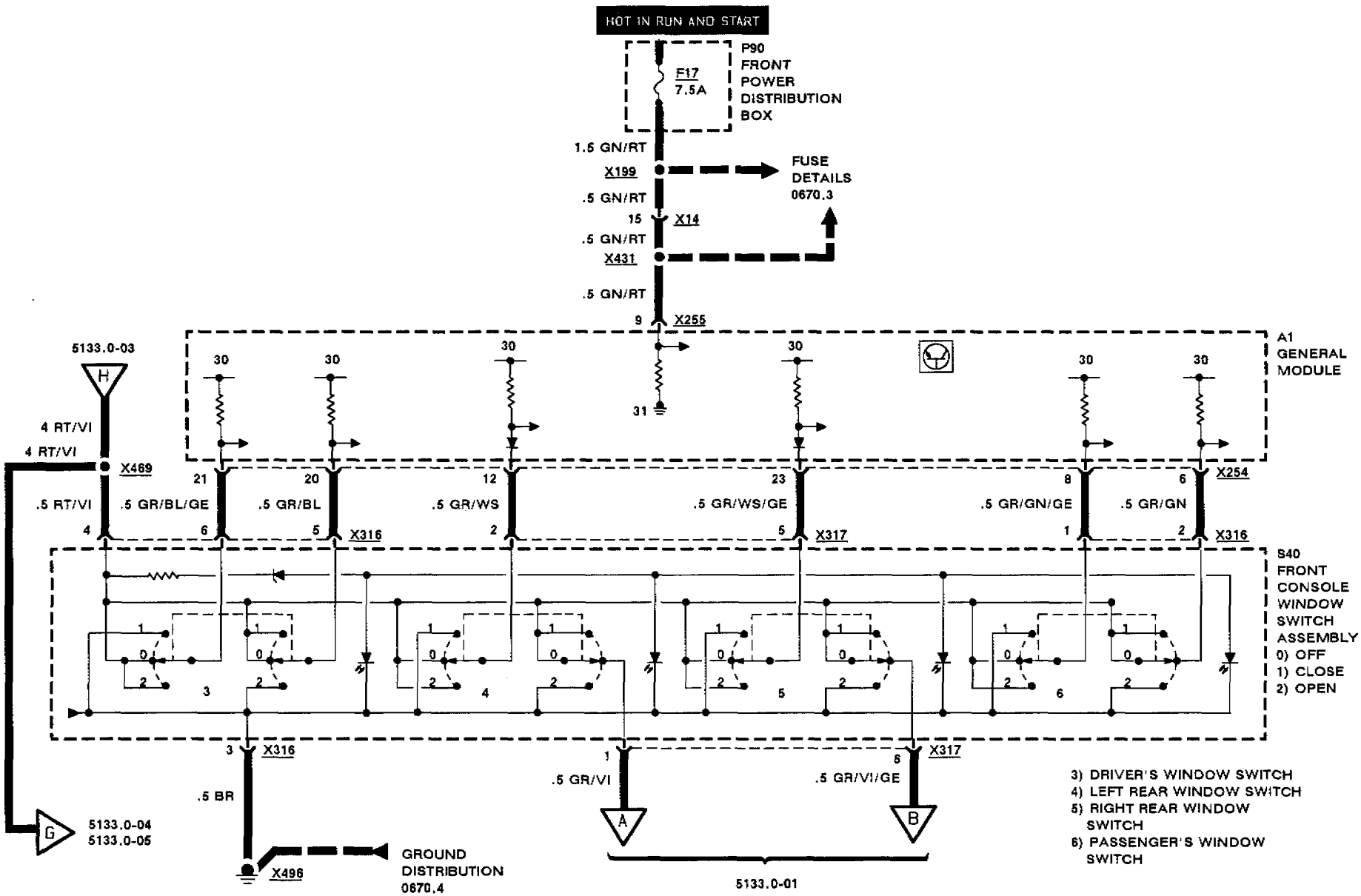
OUTPUT DETAILS



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ZKE POWER WINDOWS (FH)

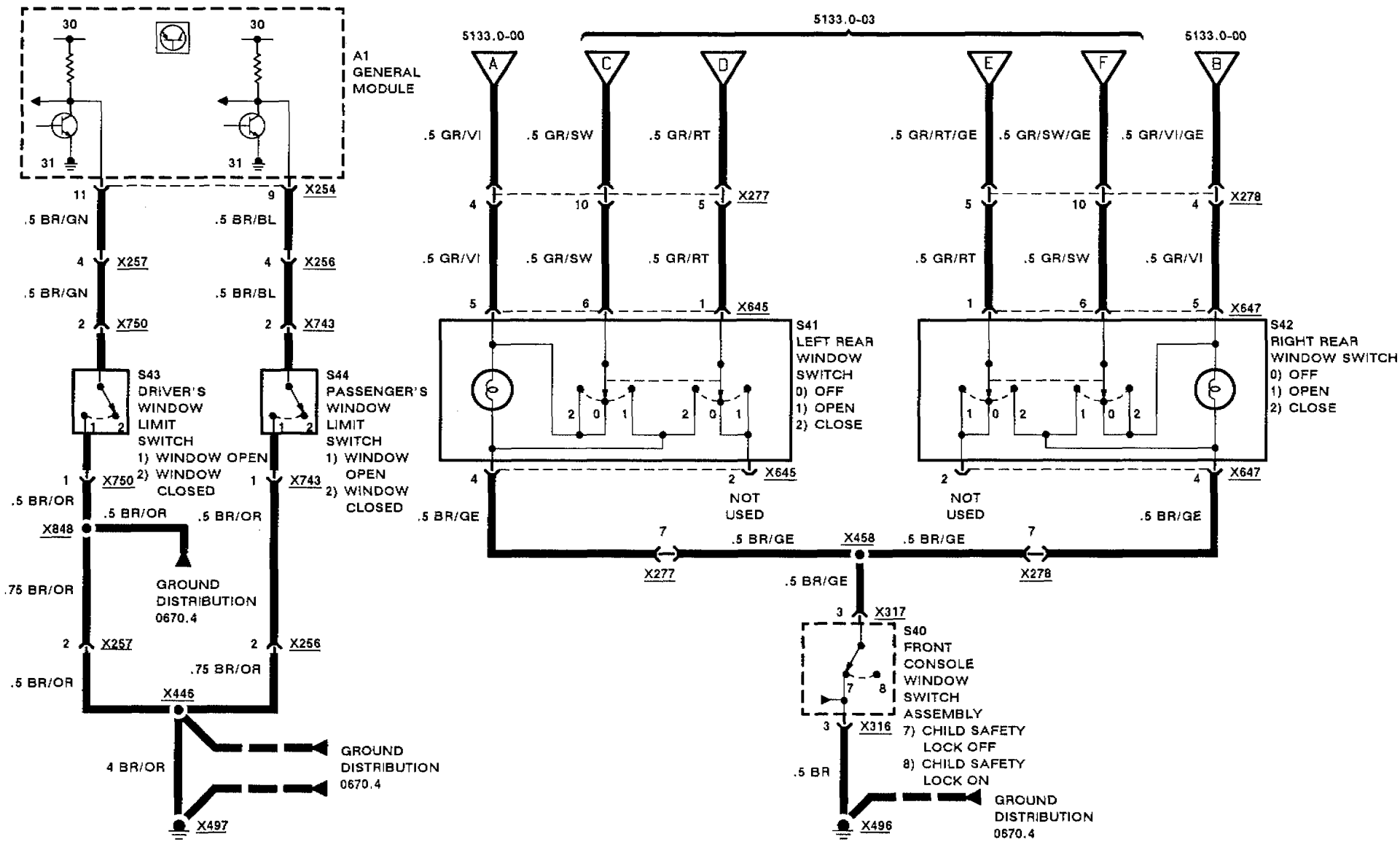
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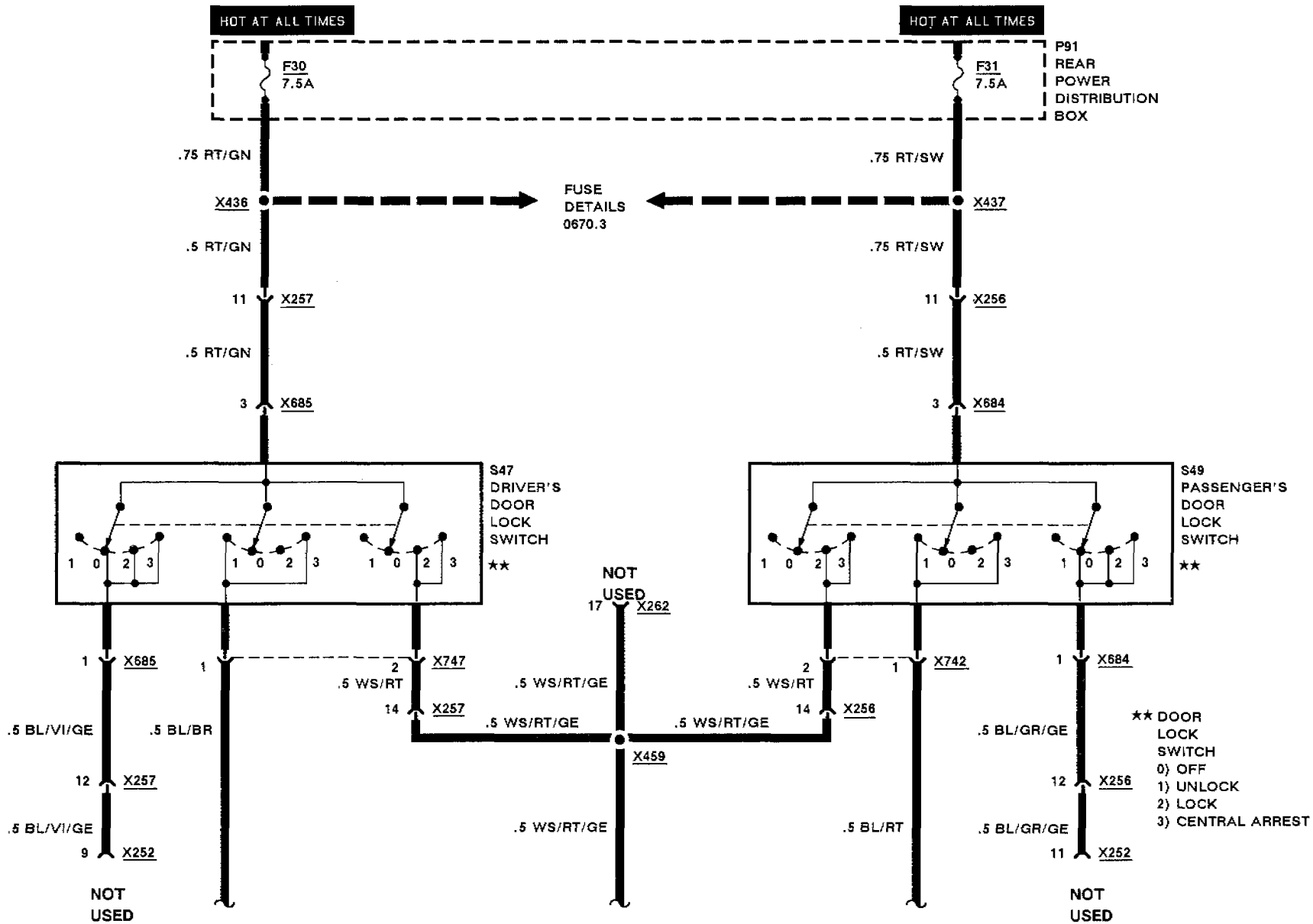
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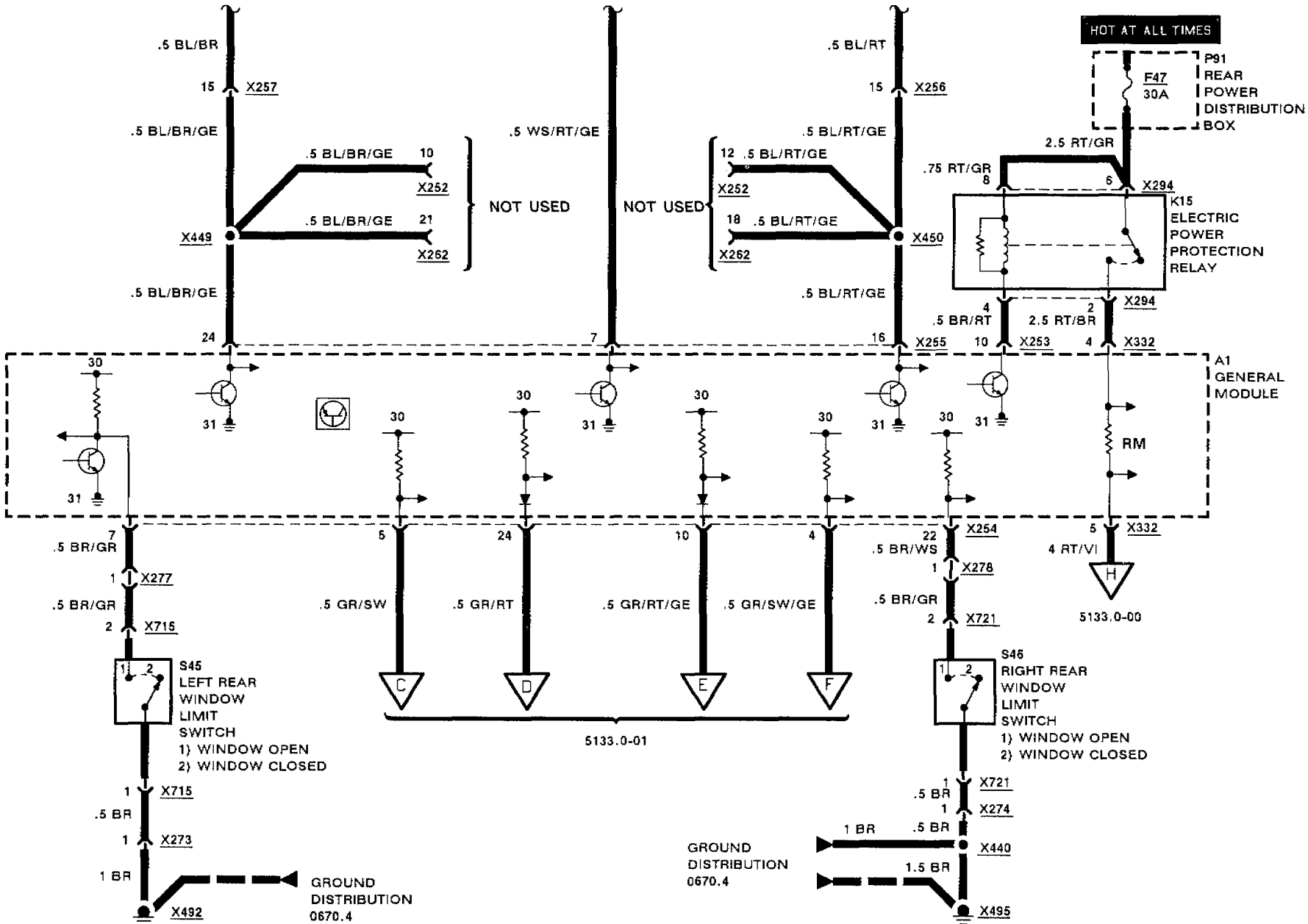
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ZKE POWER WINDOWS (FH)

INPUT DETAILS



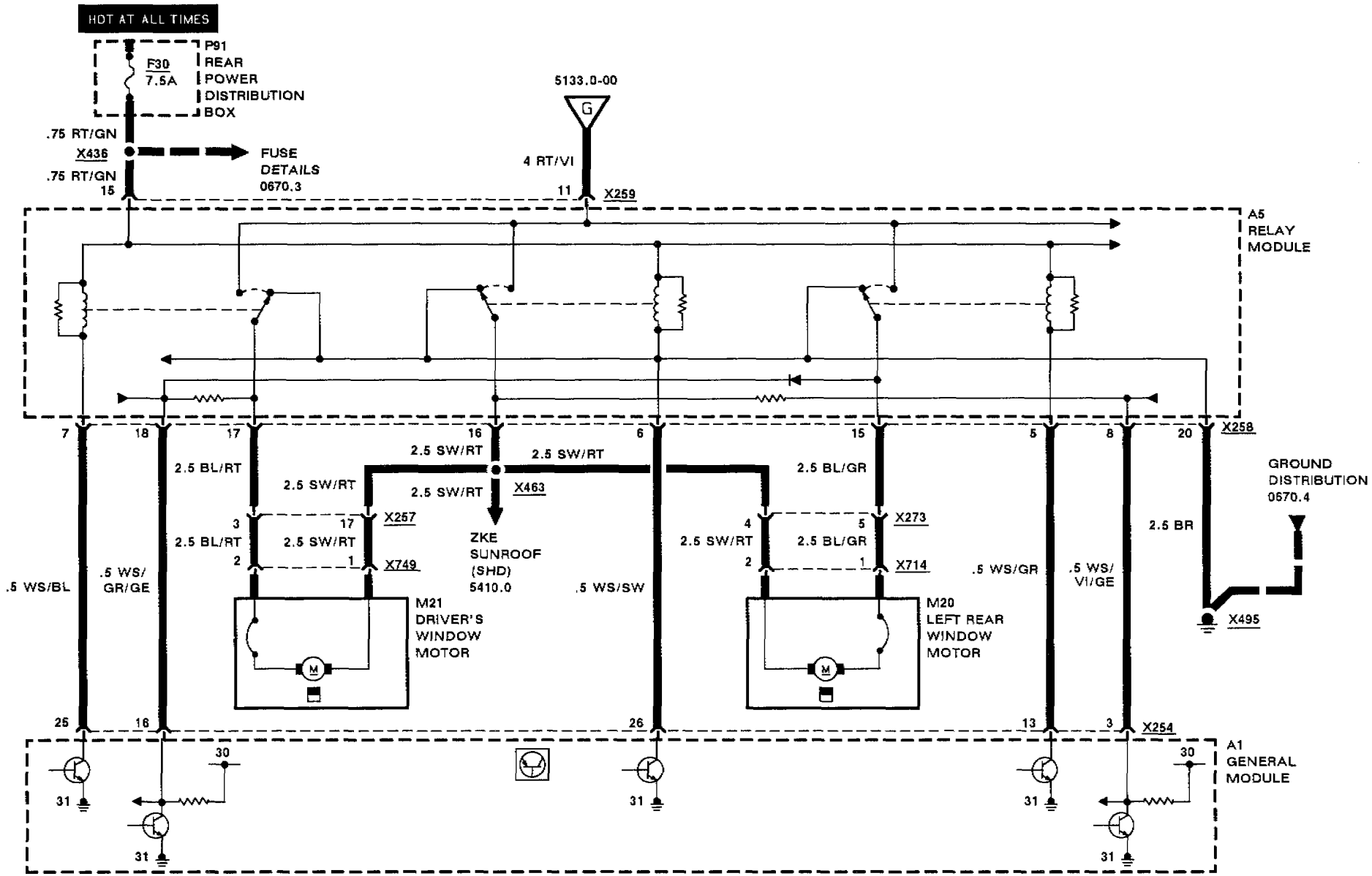
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source: www.ow.no

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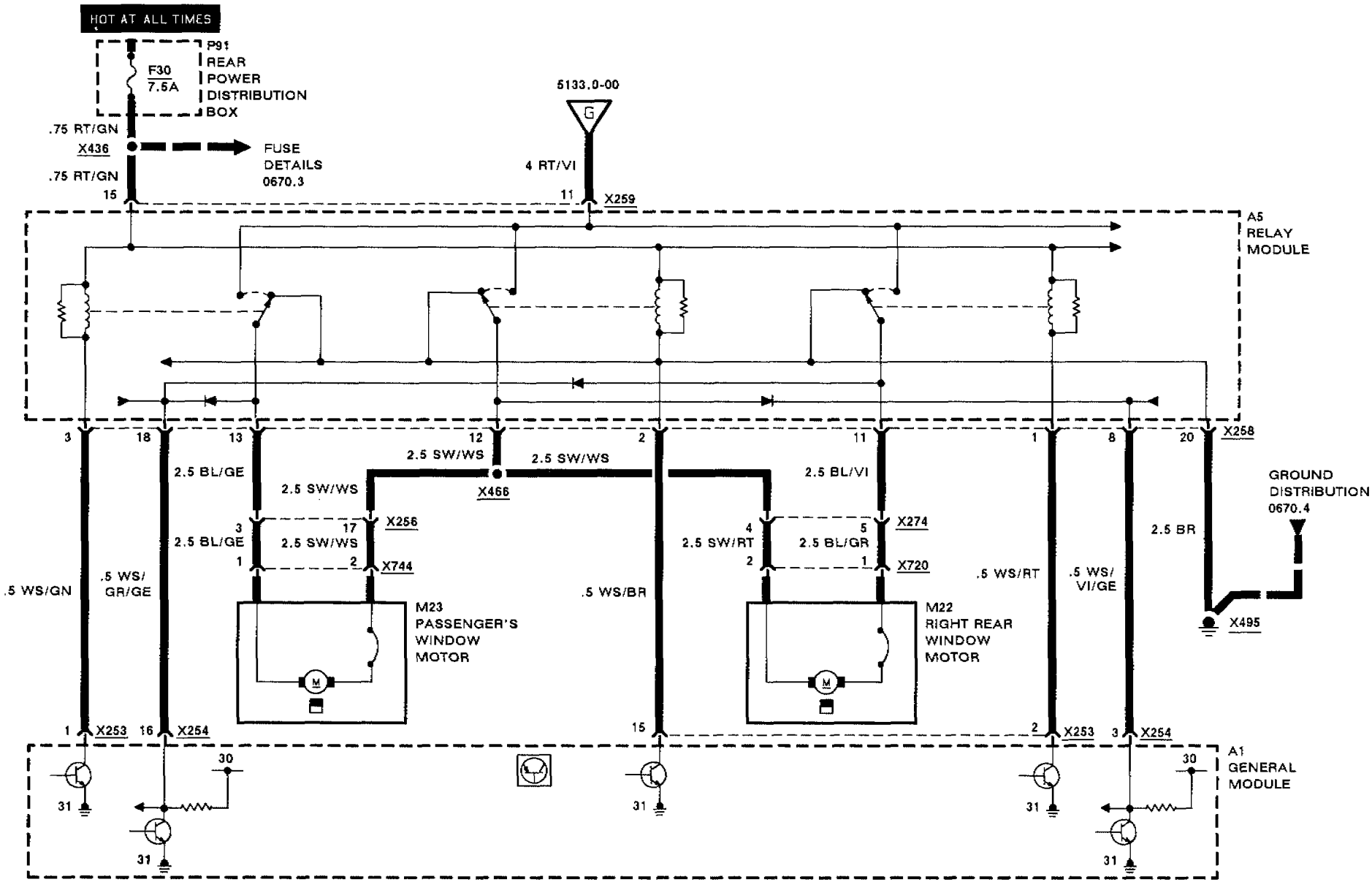
LEFT SIDE OUTPUT DETAILS



source: www.ow.no

ZKE POWER WINDOWS (FH)

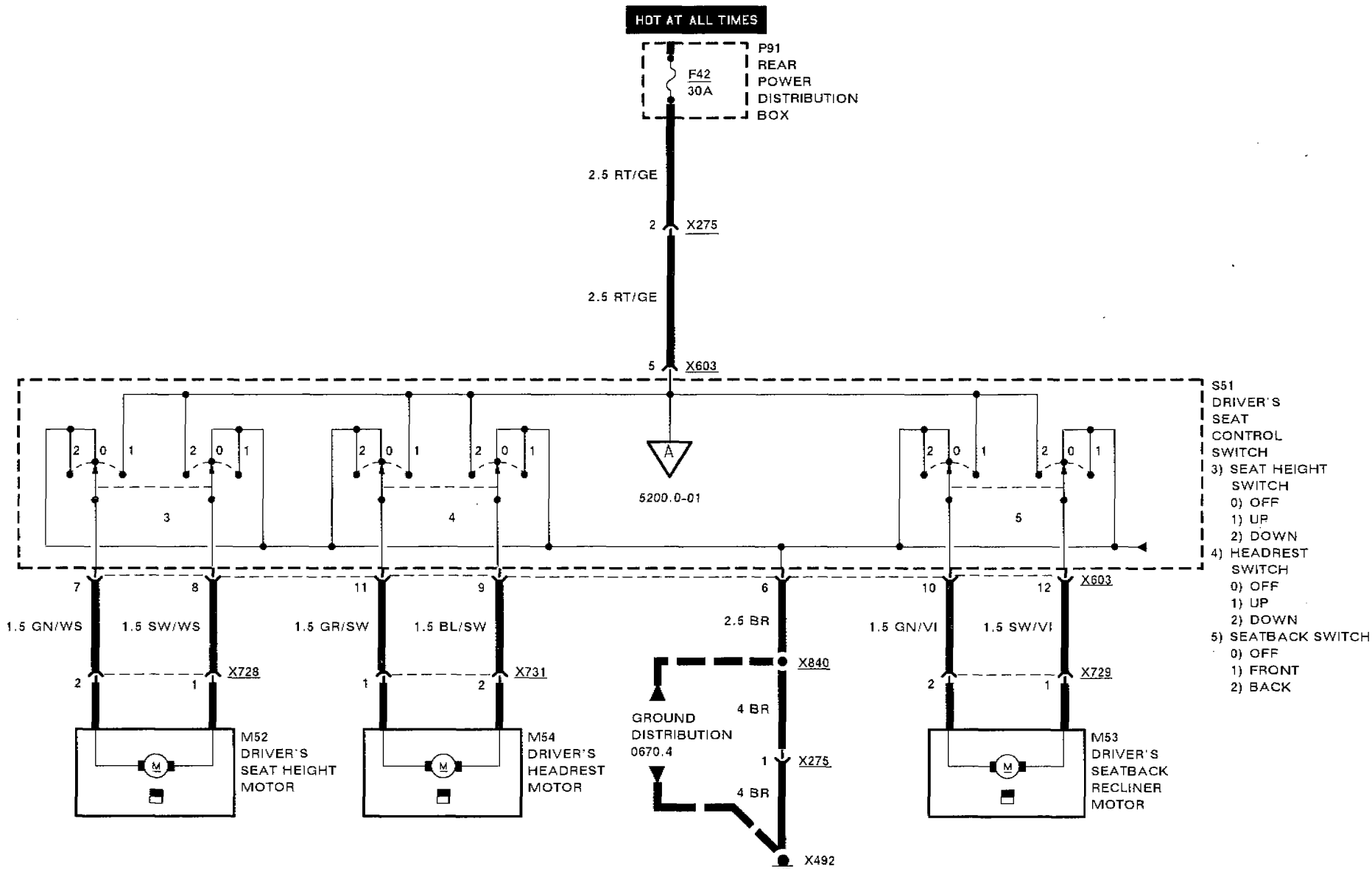
RIGHT SIDE OUTPUT DETAILS



source: www.ow.no

POWER SEATS

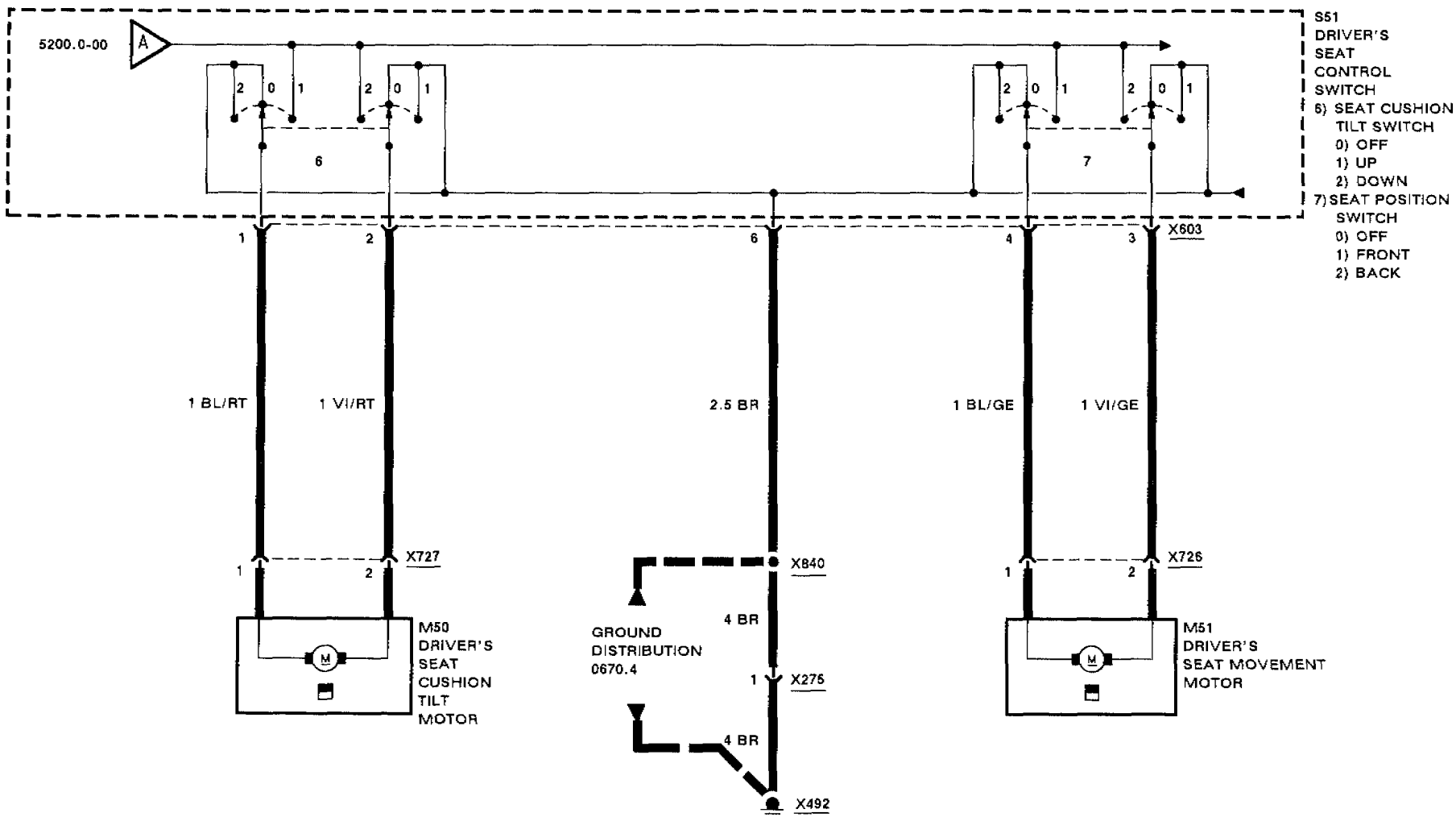
DRIVER'S SEAT



source: www.ow.no

POWER SEATS

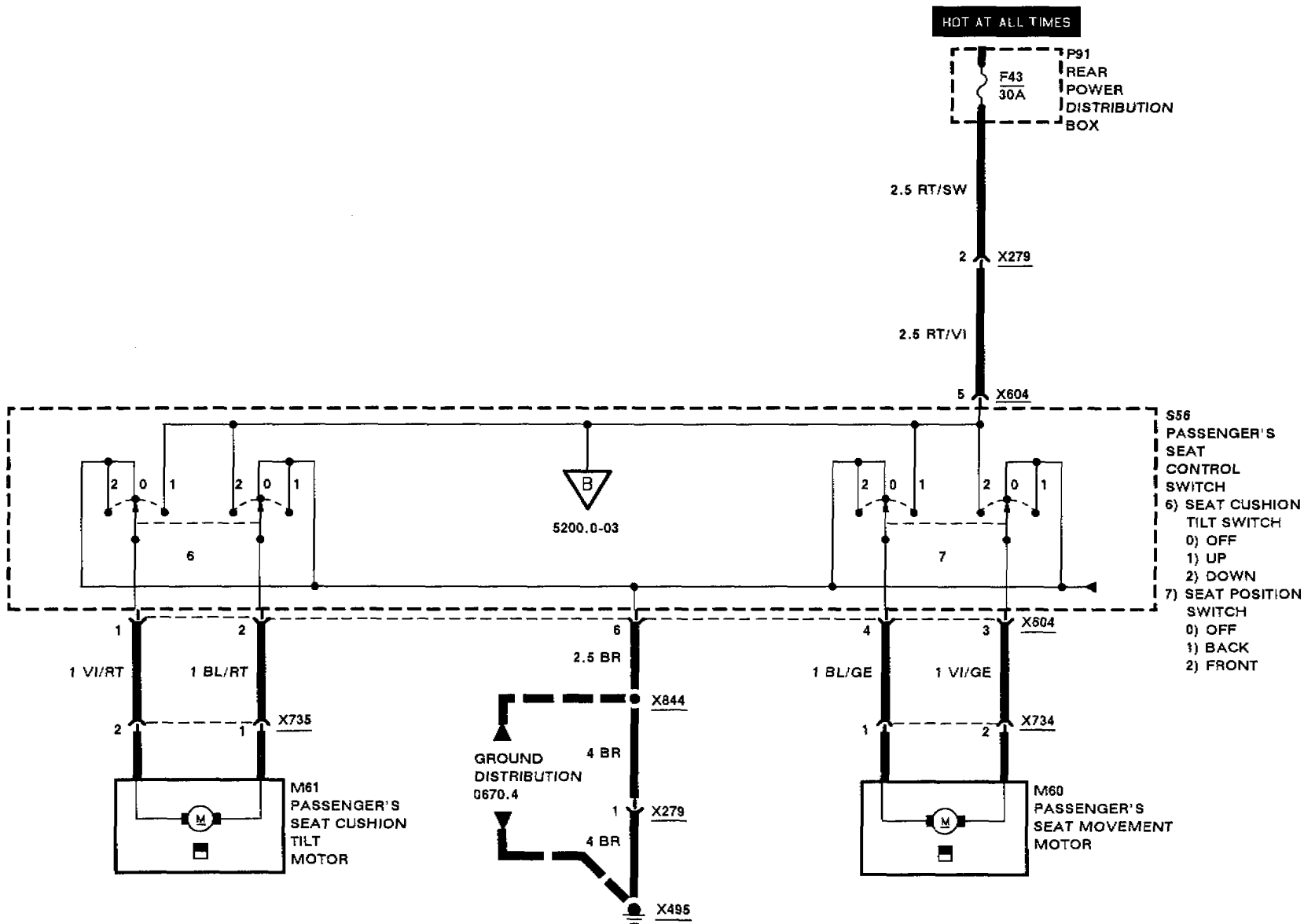
DRIVER'S SEAT



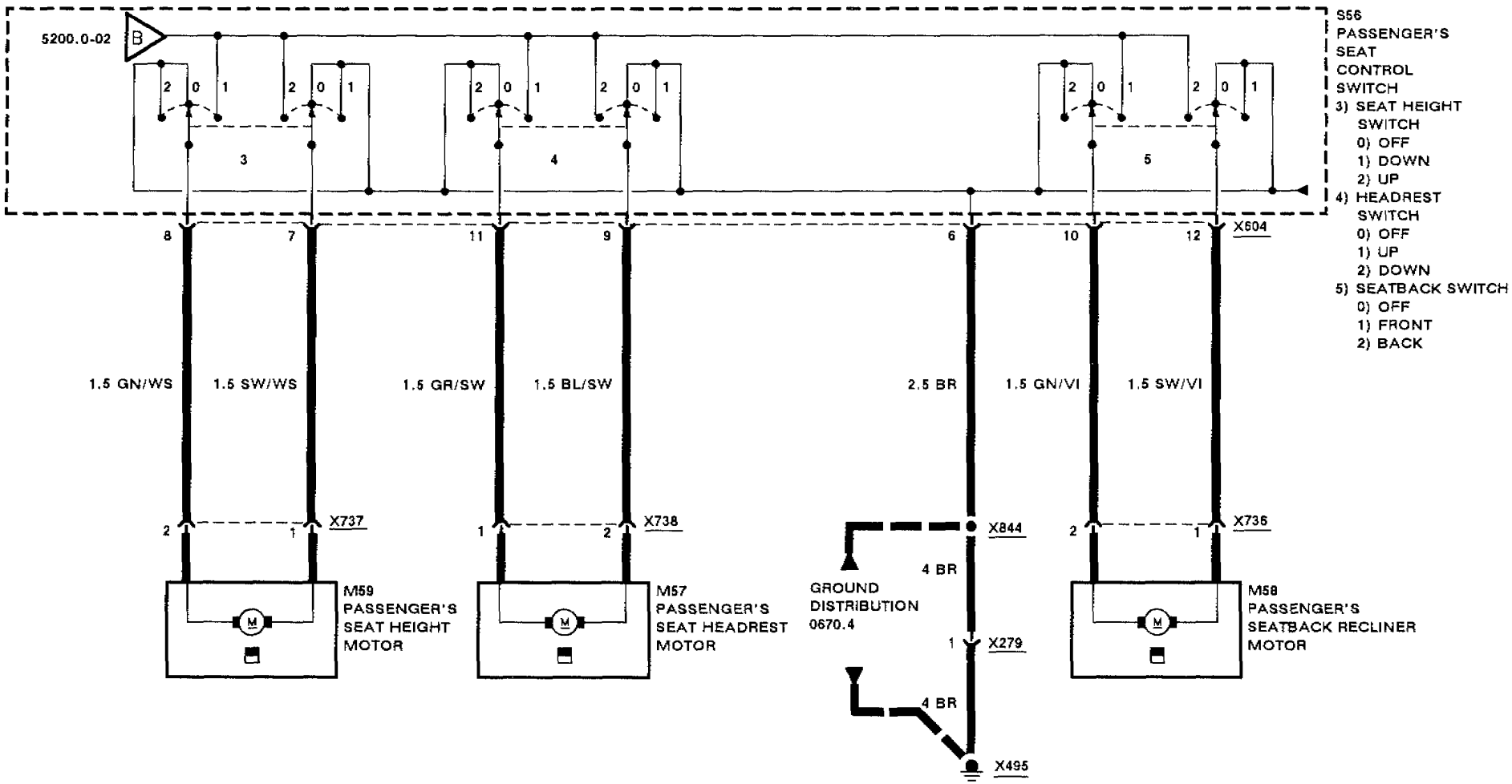
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POWER SEATS

PASSENGER'S SEAT

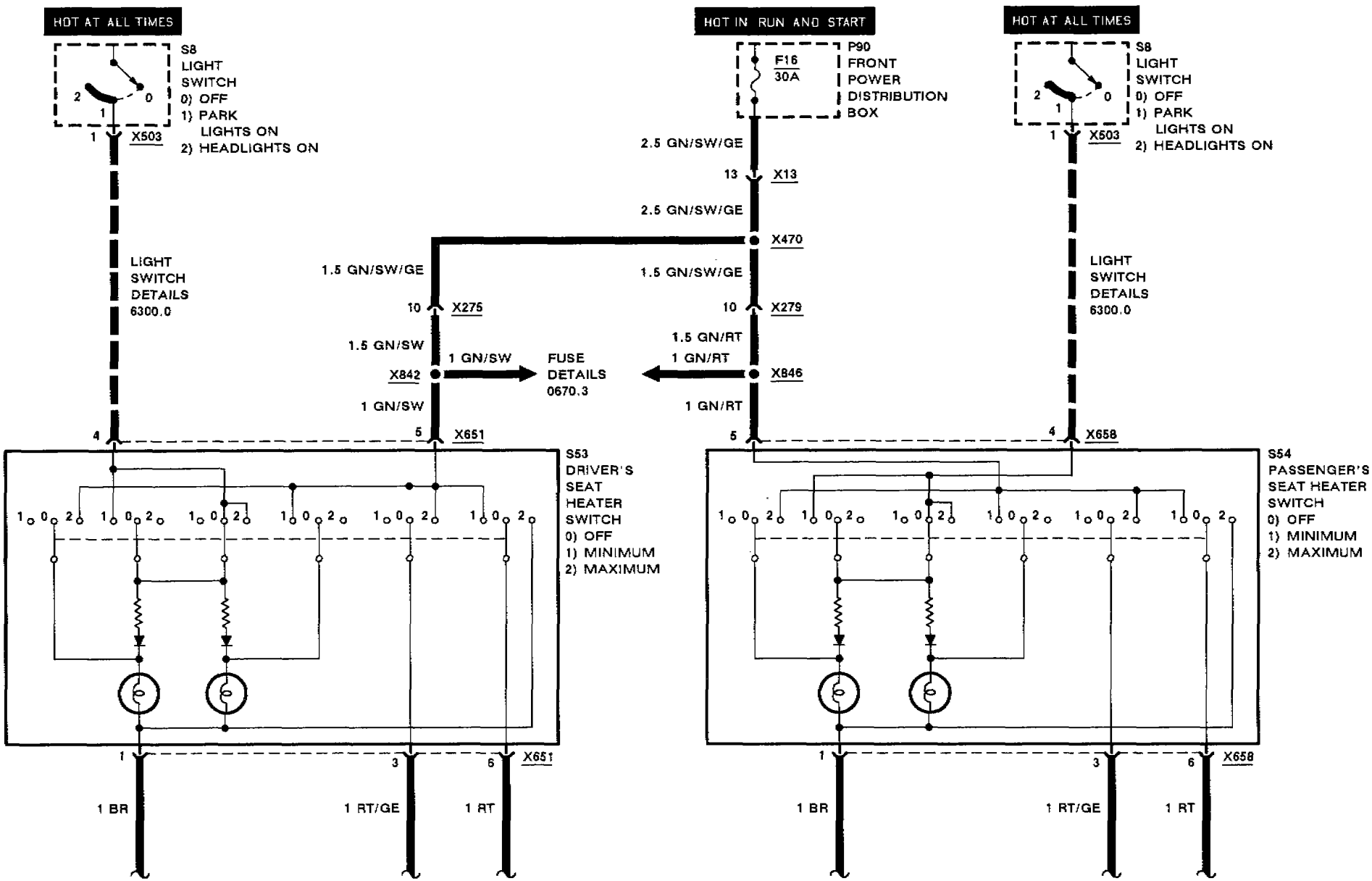


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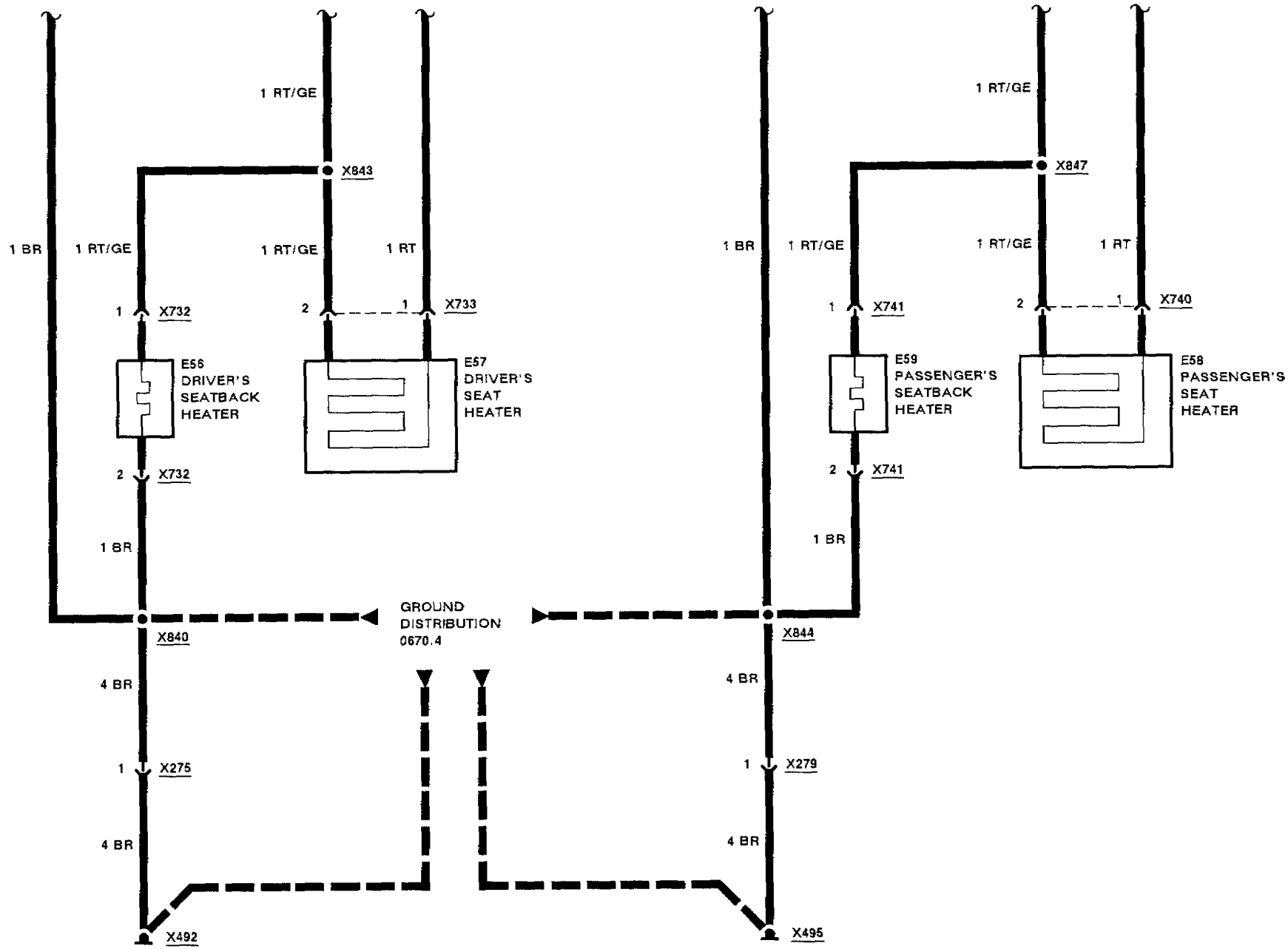


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HEATED SEATS



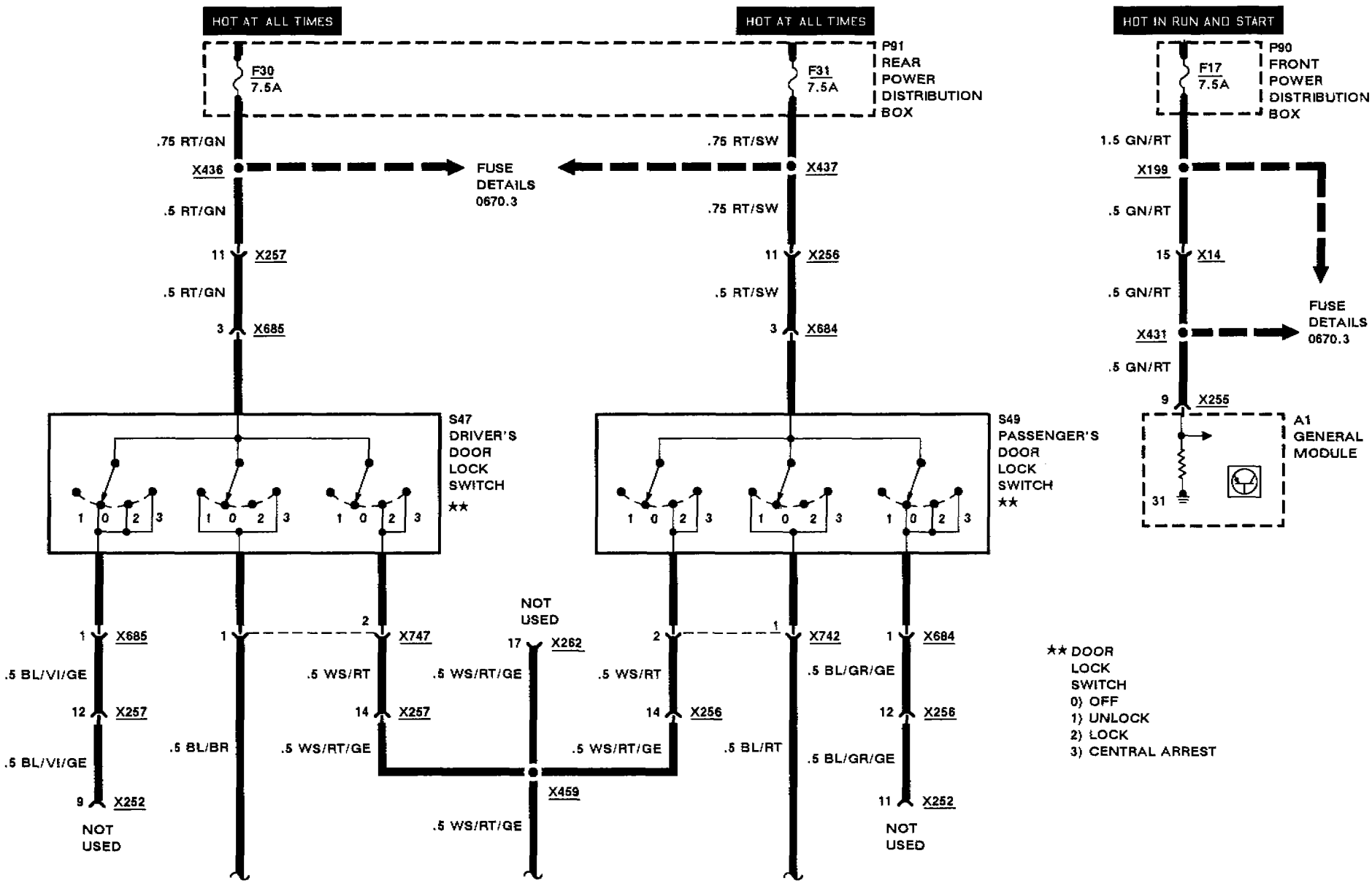
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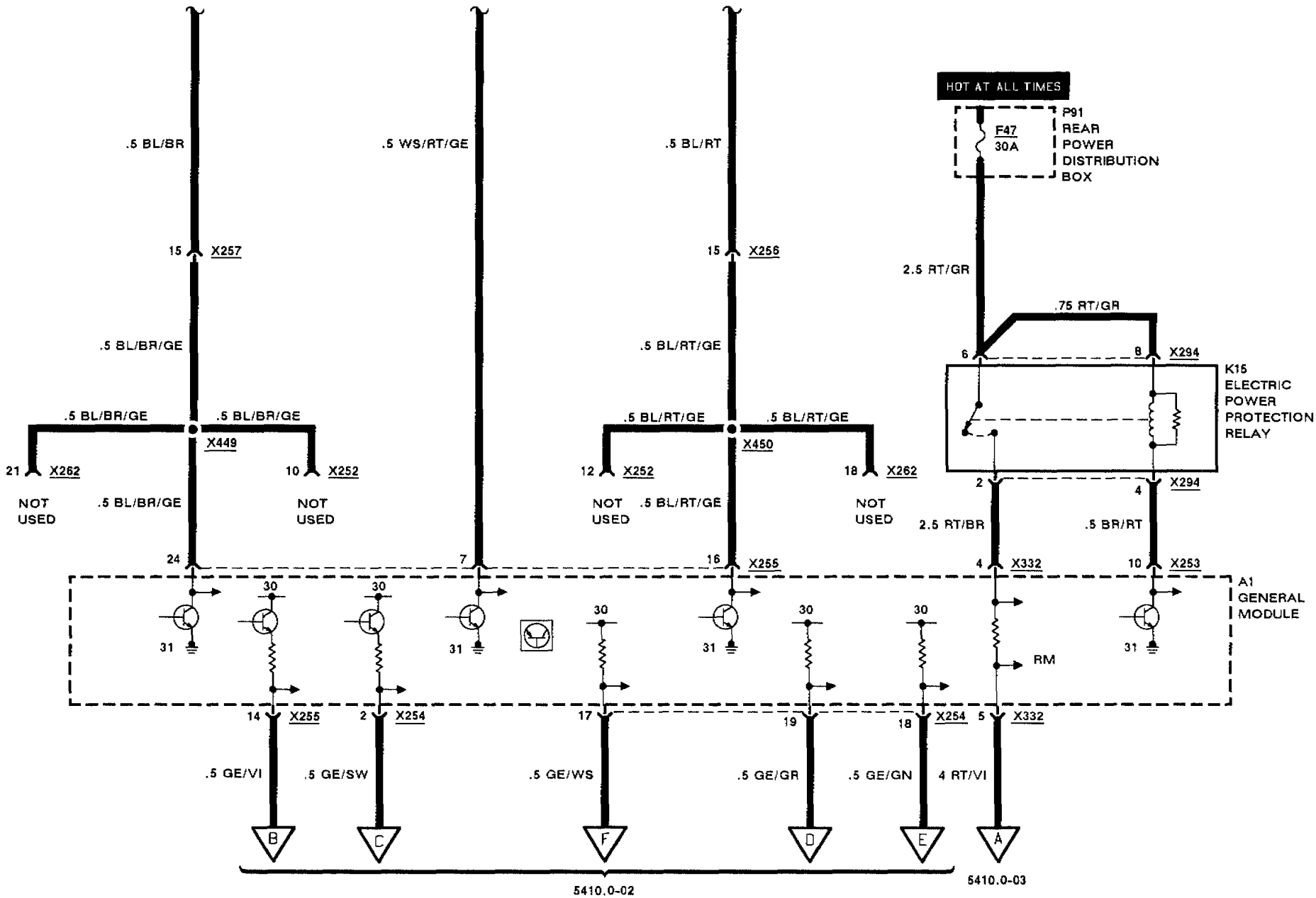
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ZKE SUNROOF (SHD)

INPUT DETAILS



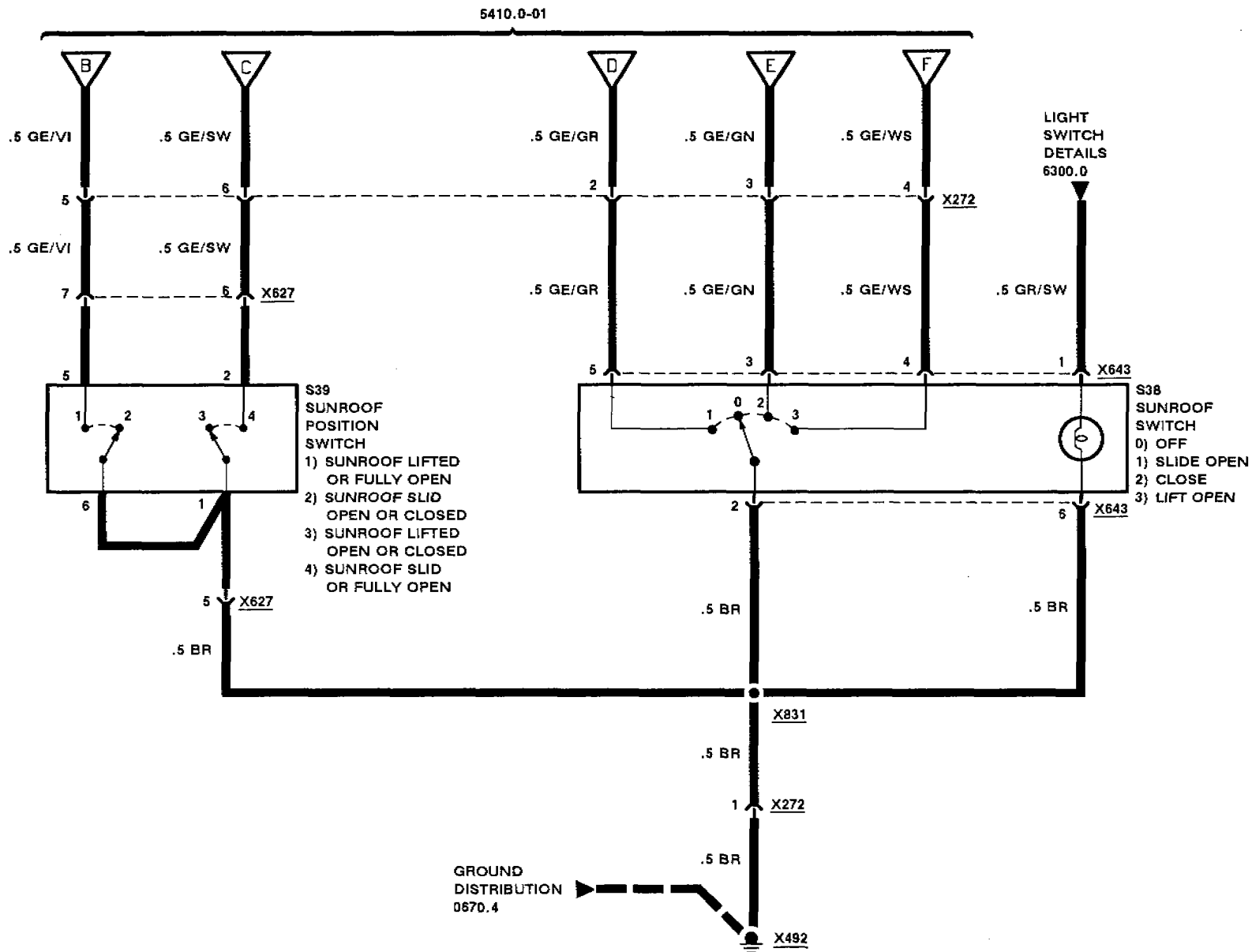
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source: www.ow.no

ZKE SUNROOF (SHD)

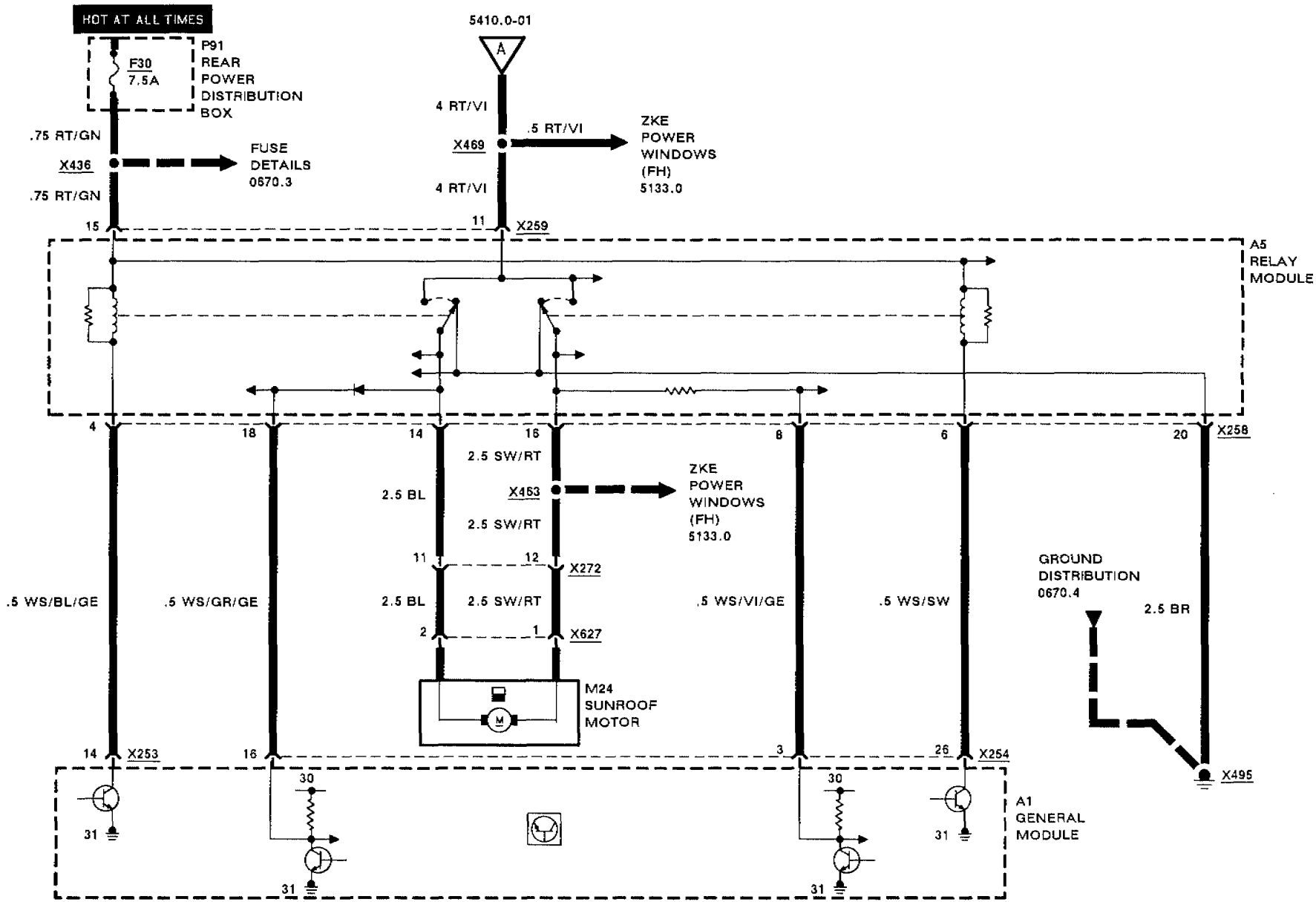
INPUT DETAILS



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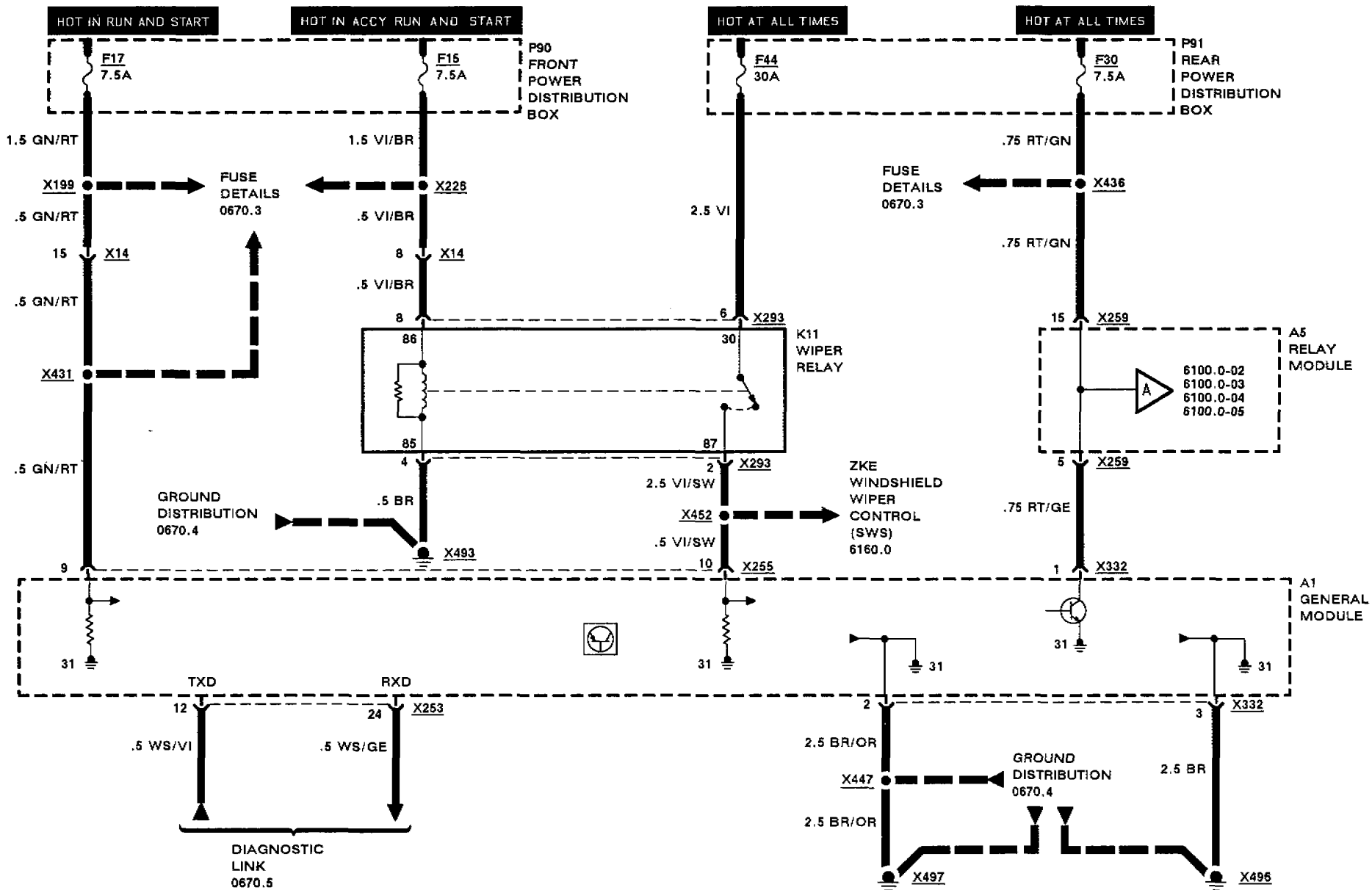
OUTPUT DETAILS



source: www.ow.no

CENTRAL BODY ELECTRONICS (ZKE)

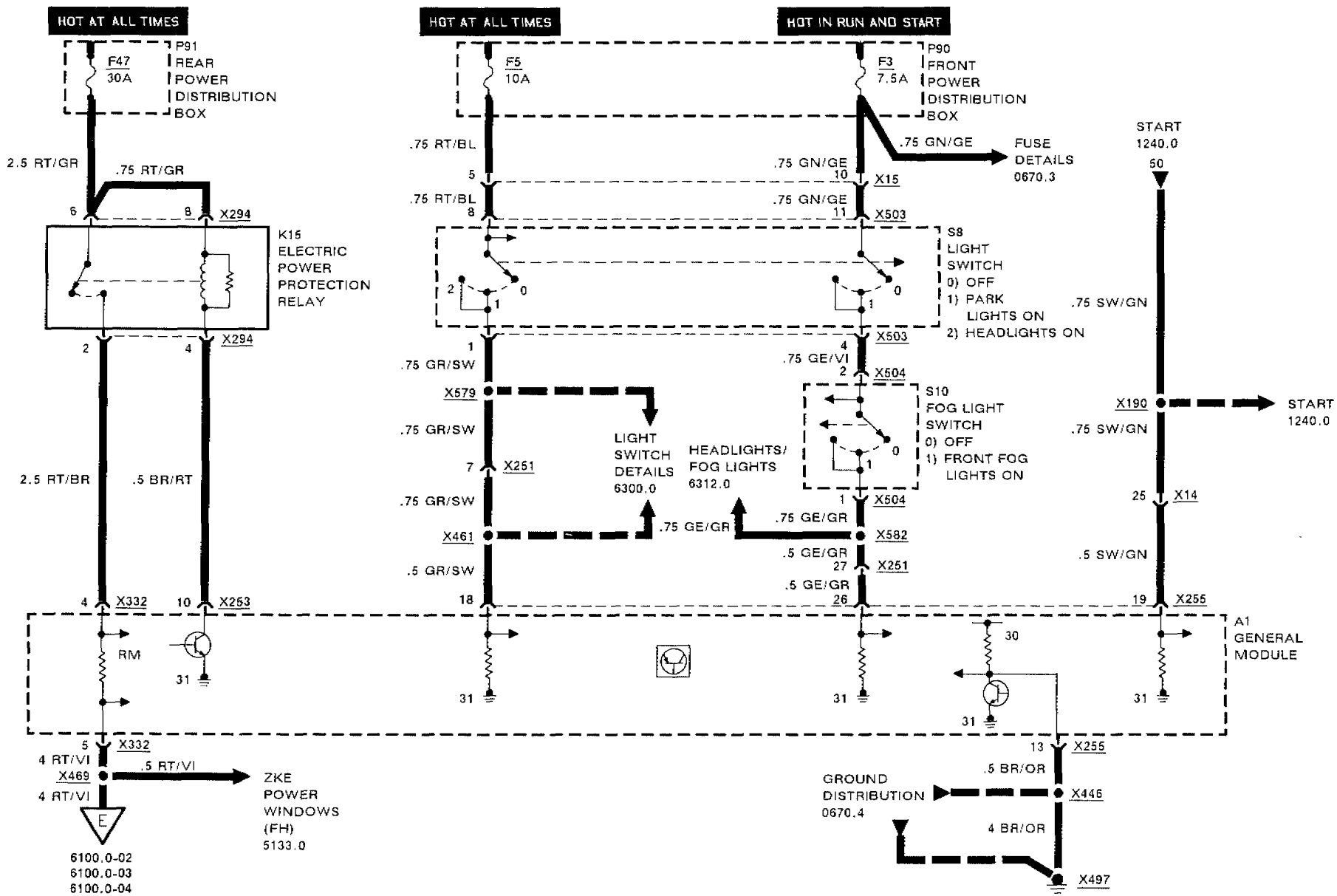
GENERAL MODULE



source: www.ow.no

CENTRAL BODY ELECTRONICS (ZKE)

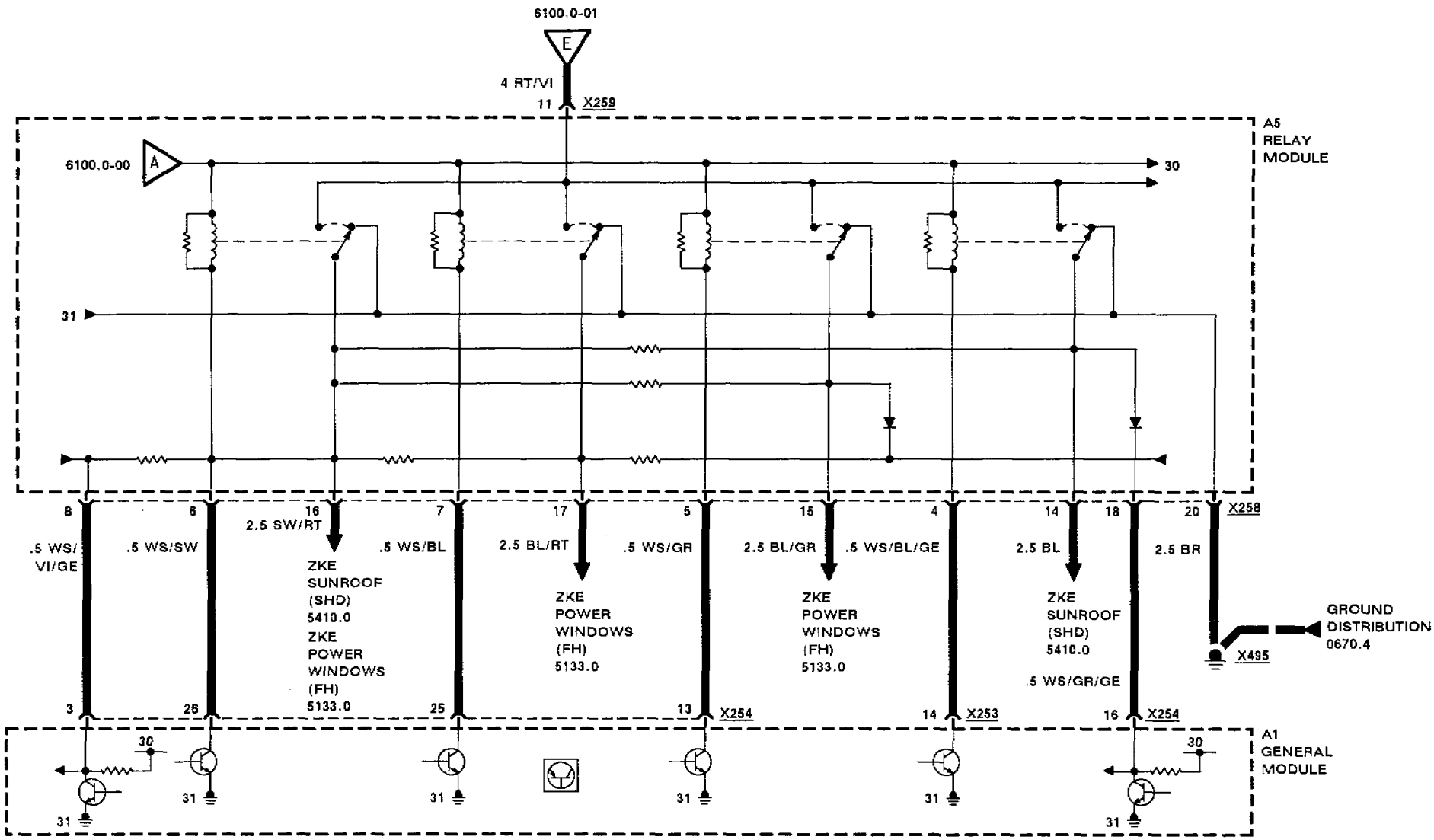
GENERAL MODULE



source: www.ow.no

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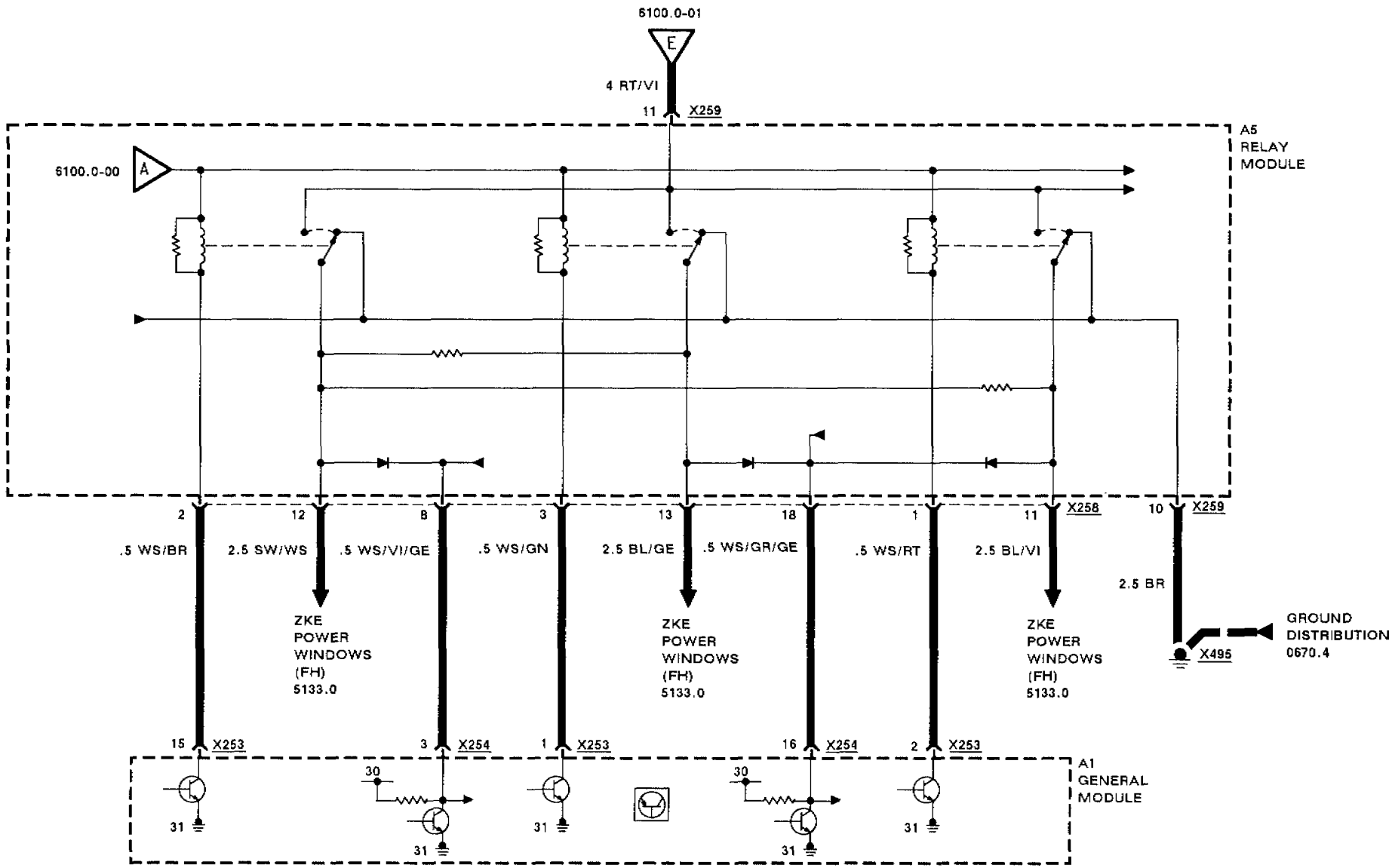
RELAY MODULE



source: www.ow.no

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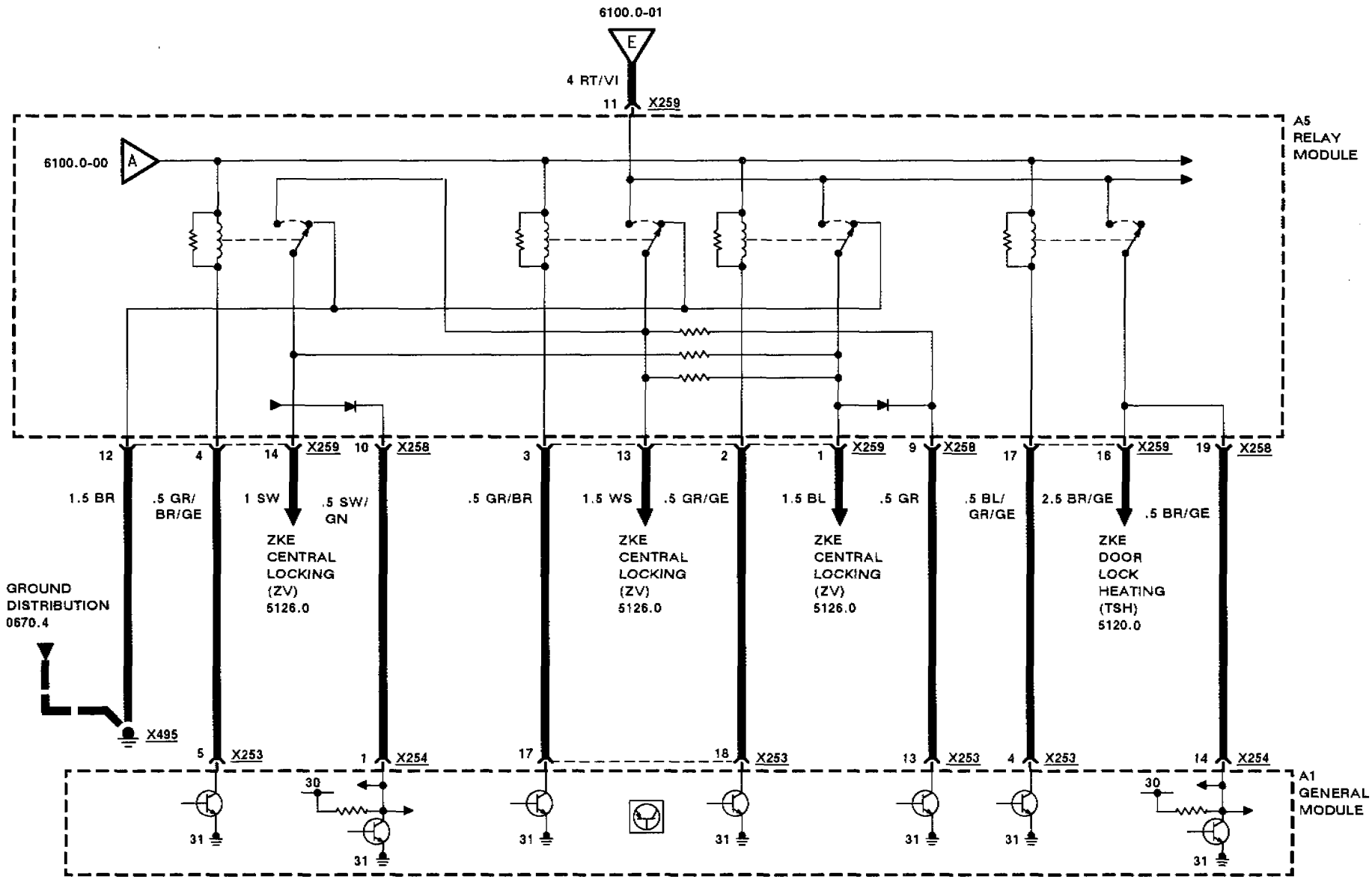
RELAY MODULE



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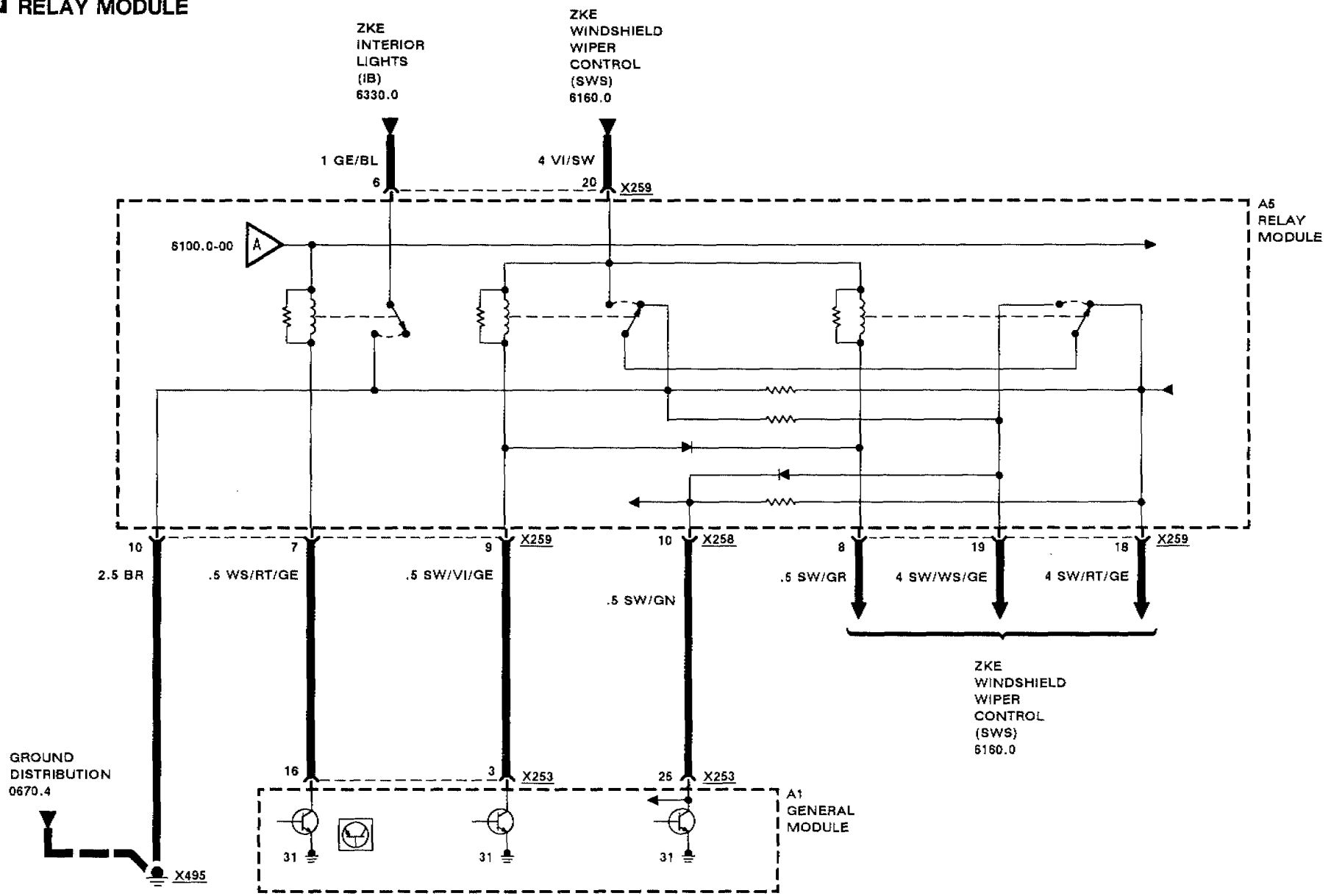
RELAY MODULE



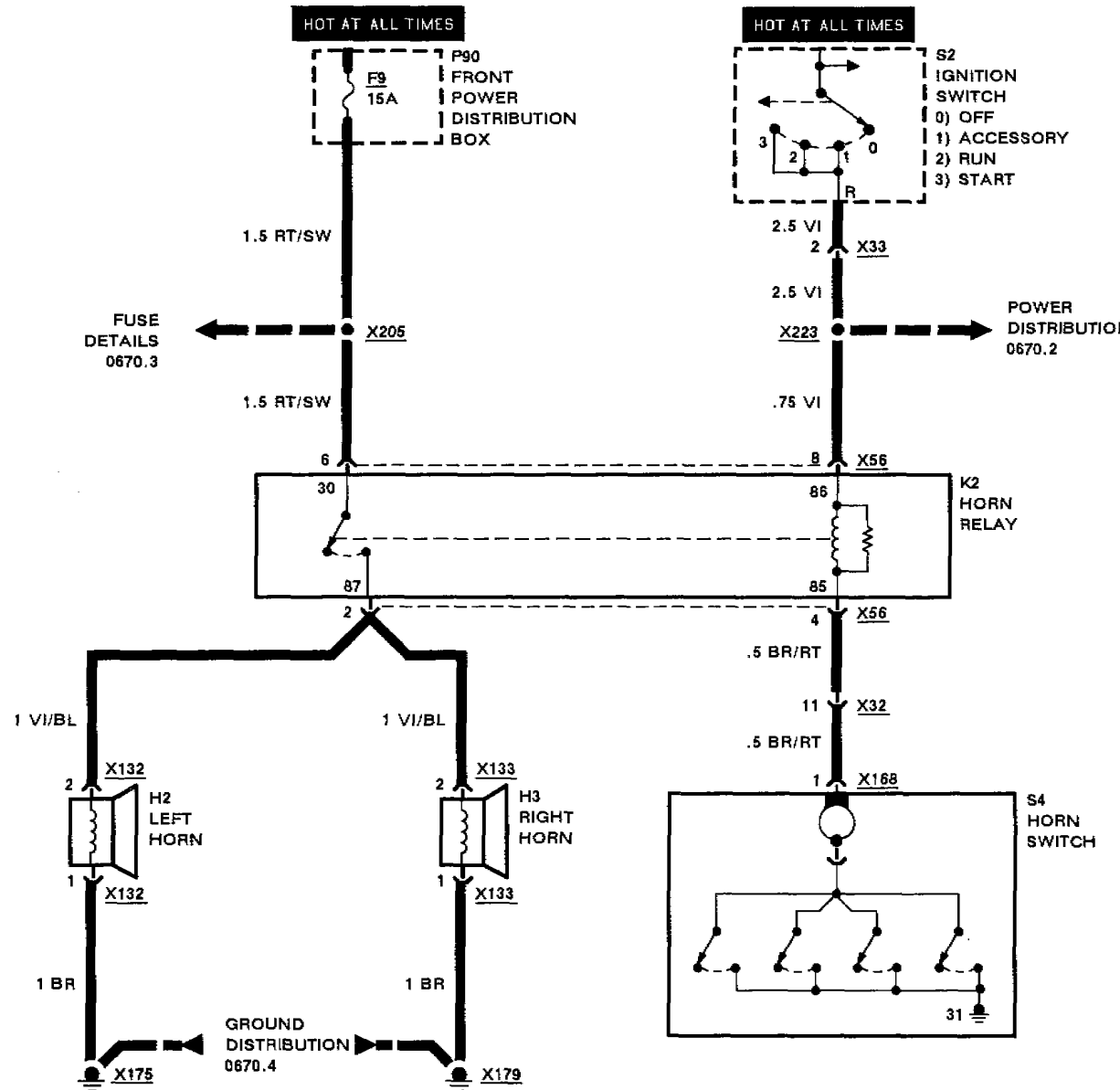
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CENTRAL BODY ELECTRONICS (ZKE)

RELAY MODULE



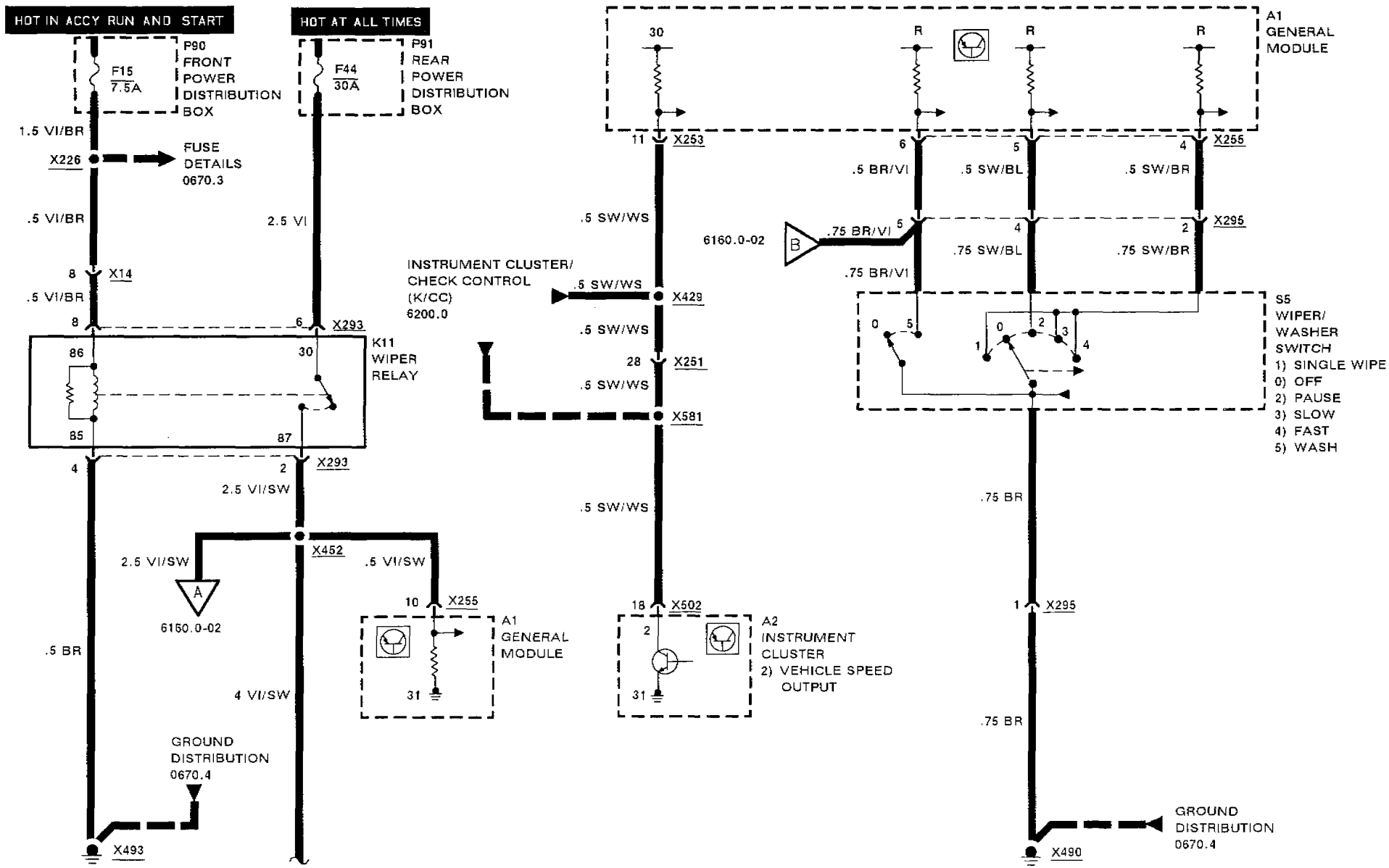
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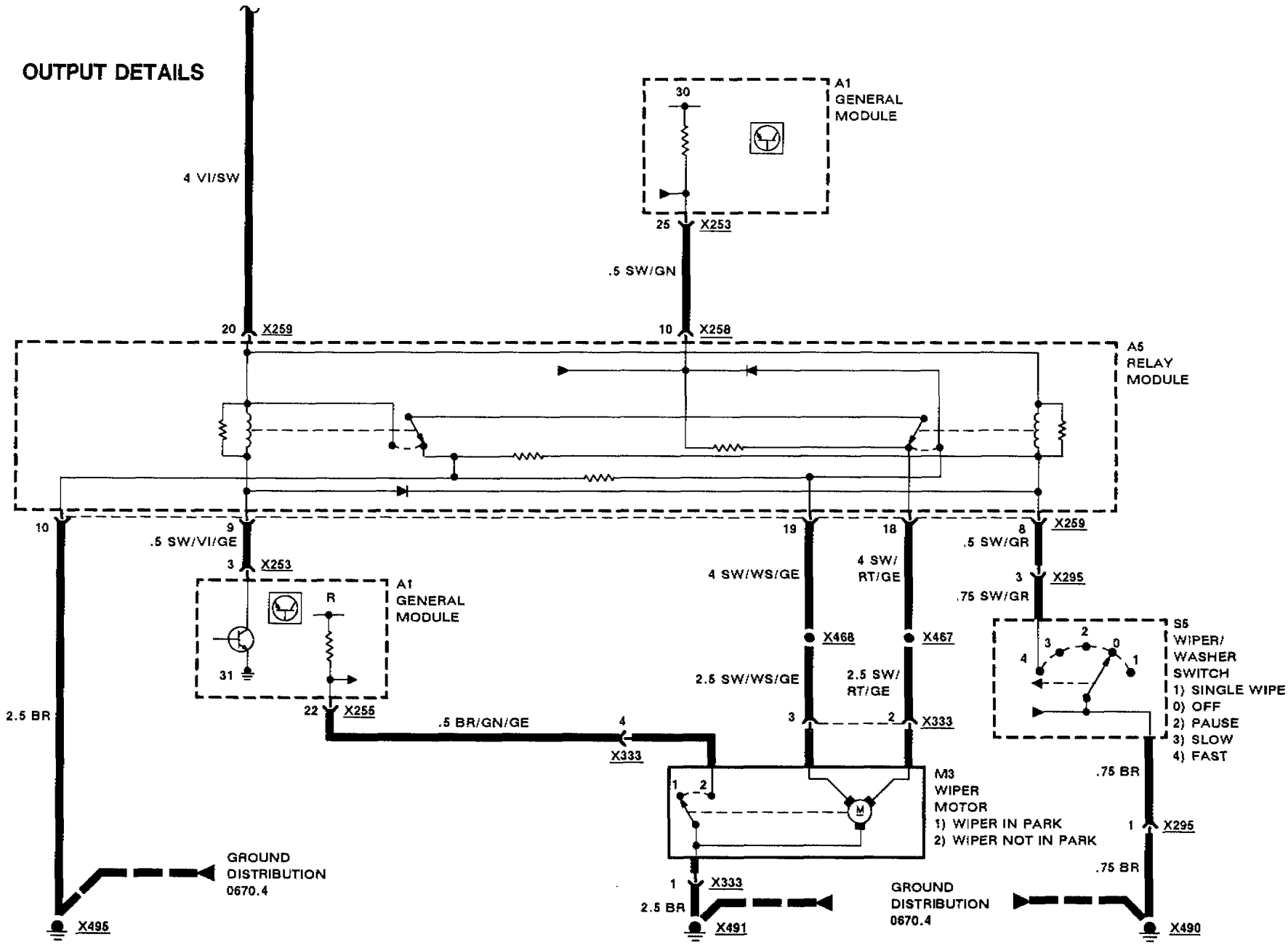
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ZKE WINDSHIELD WIPER CONTROL (SWS)

INPUT DETAILS



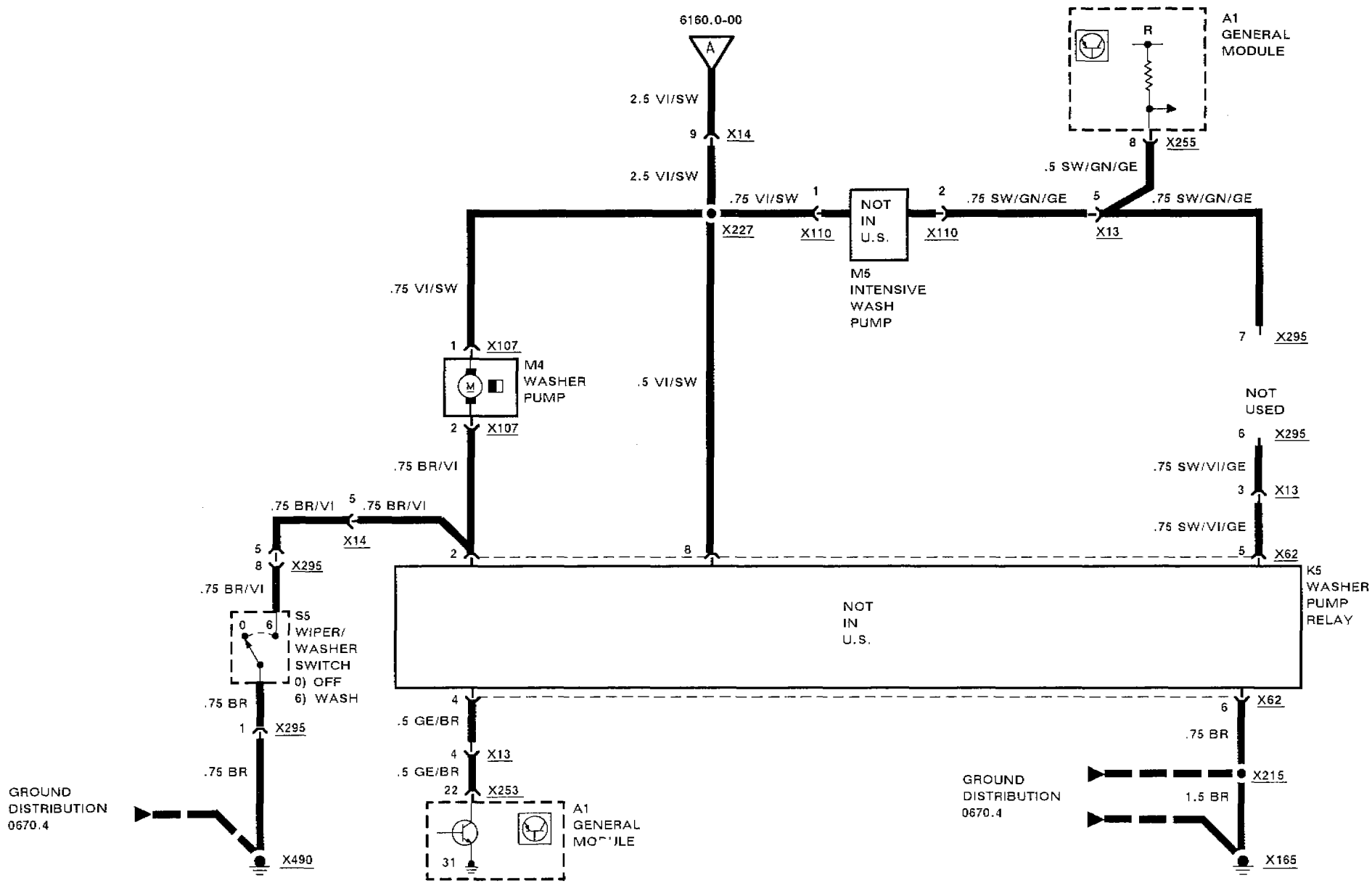
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source: www.ow.no

ZKE WINDSHIELD WIPER CONTROL (SWS)

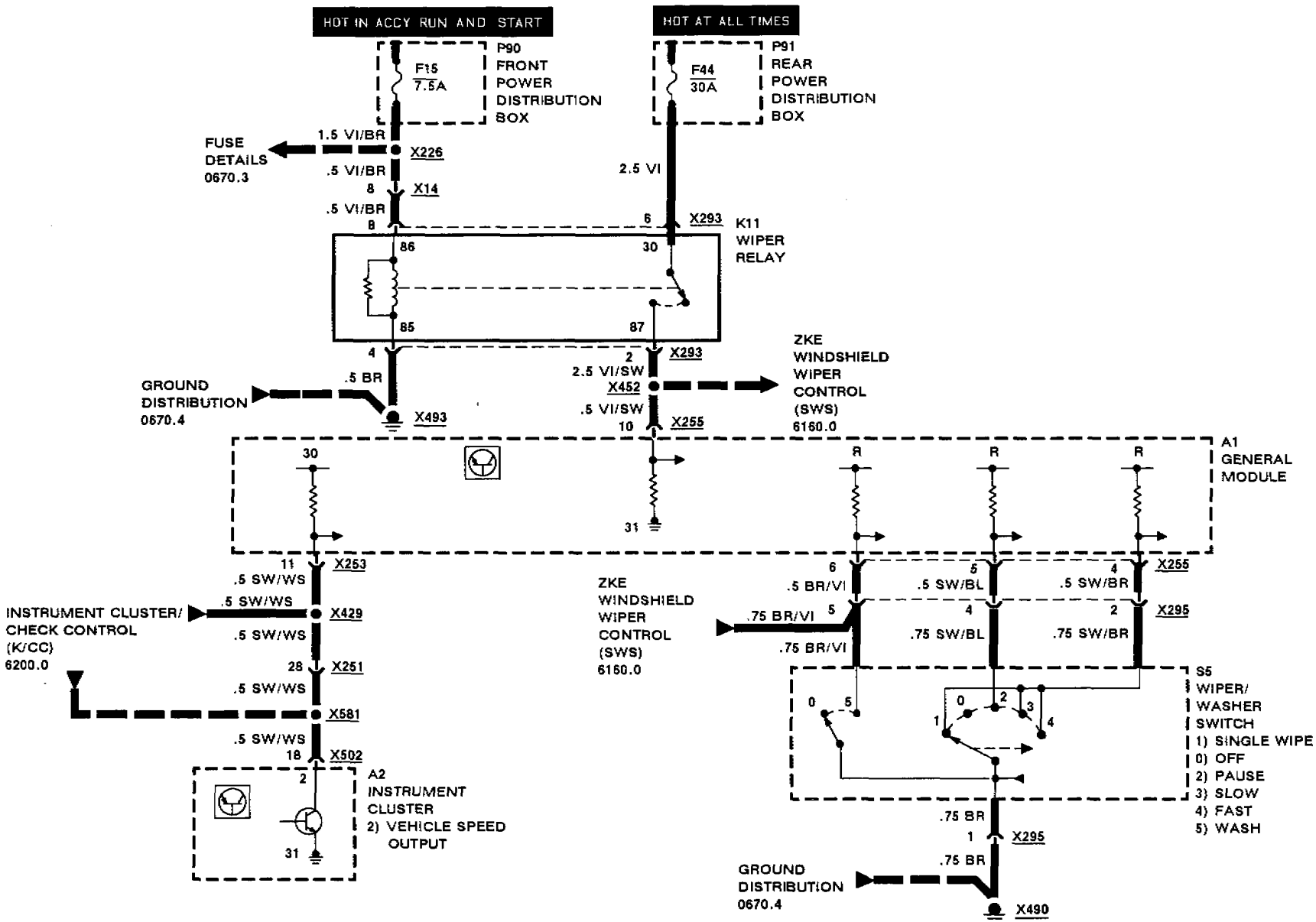
OUTPUT DETAILS



source: www.ow.no

ZKE WINDSHIELD WIPER PRESSURE CONTROL (ADV) 535i

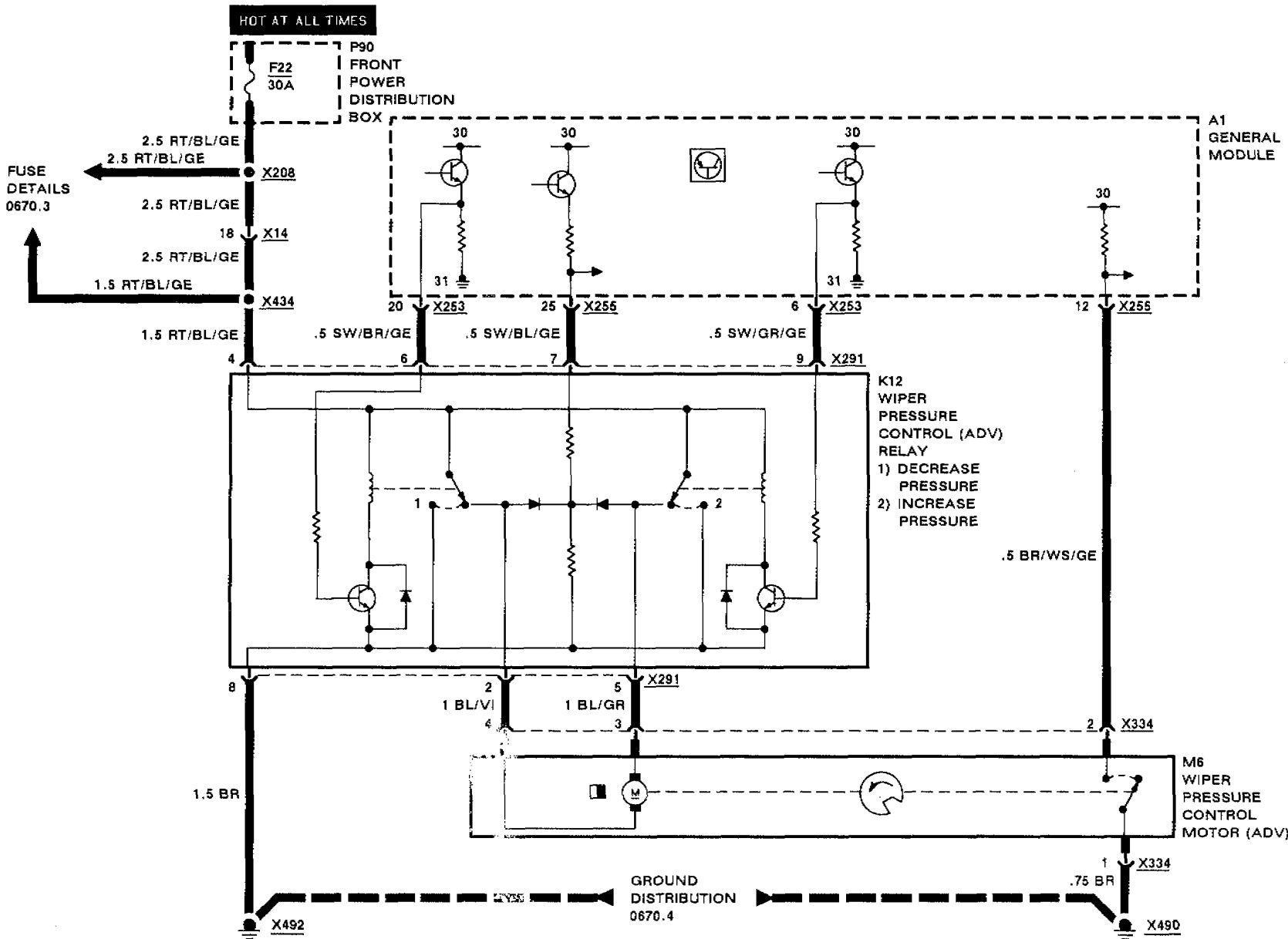
INPUT DETAILS



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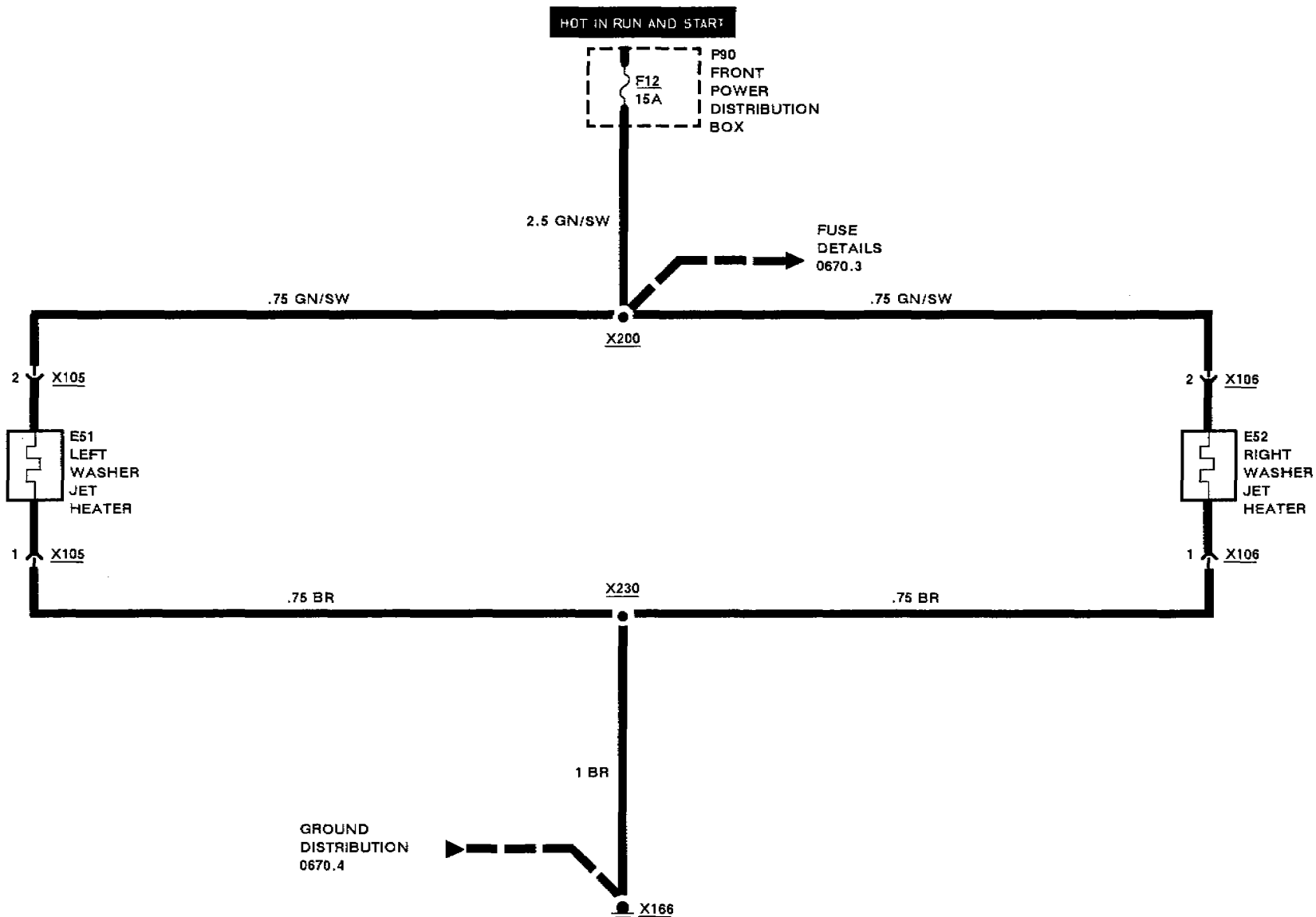
OUTPUT DETAILS



source: www.ow.no

WINDSHIELD WASHER JET HEATERS

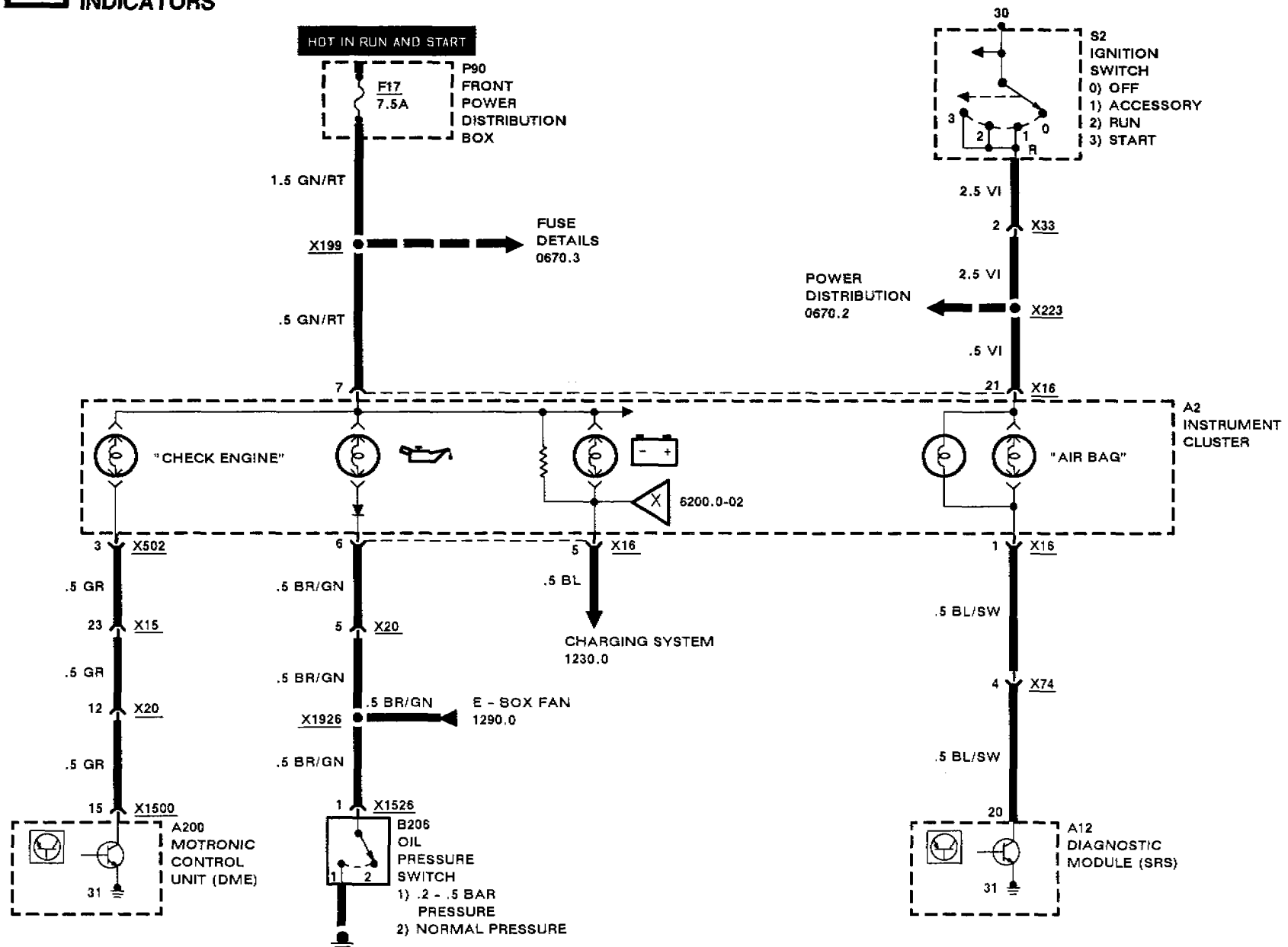
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source: www.ow.no

INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

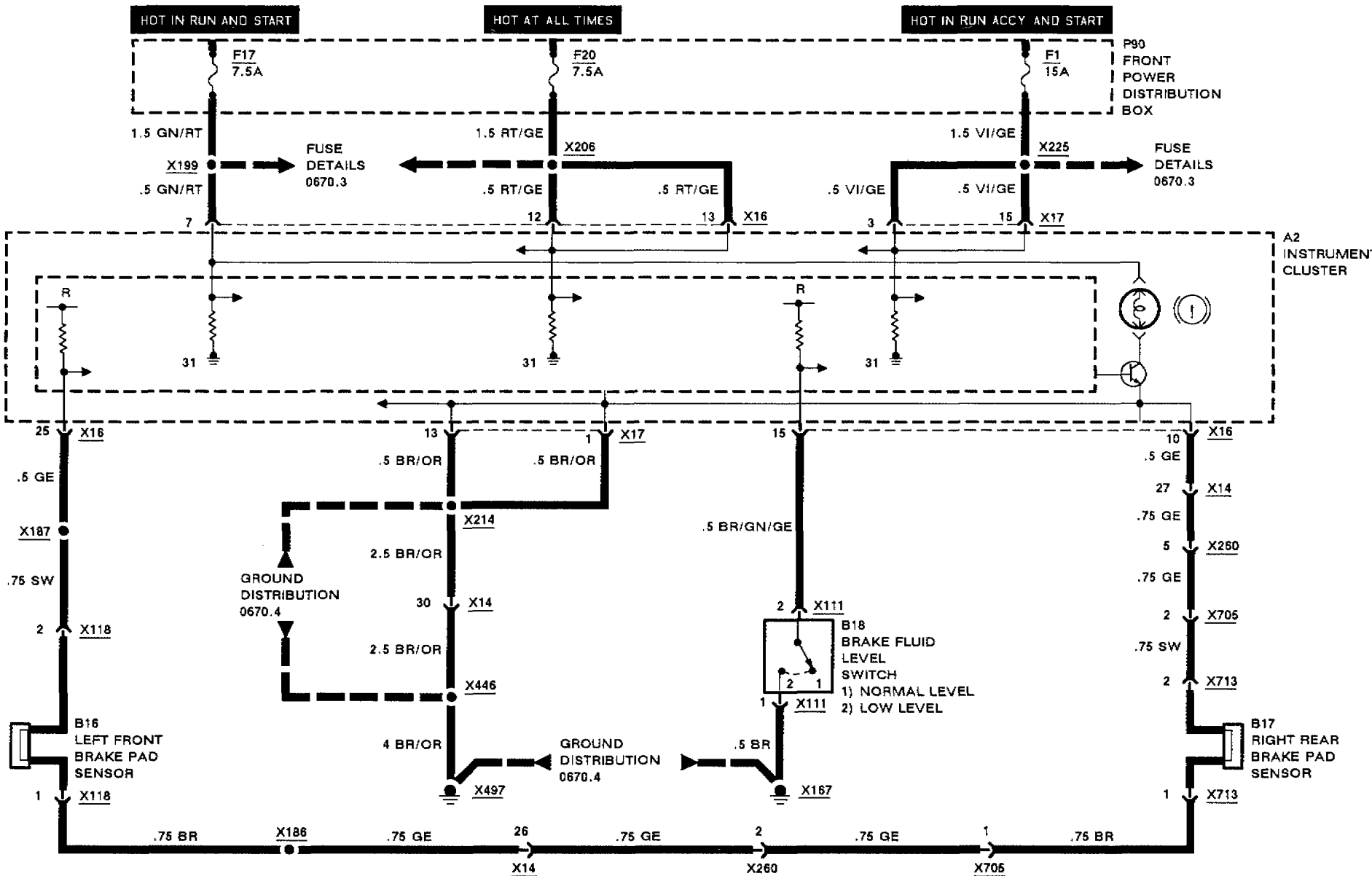
INDICATORS



source: www.ow.no

INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

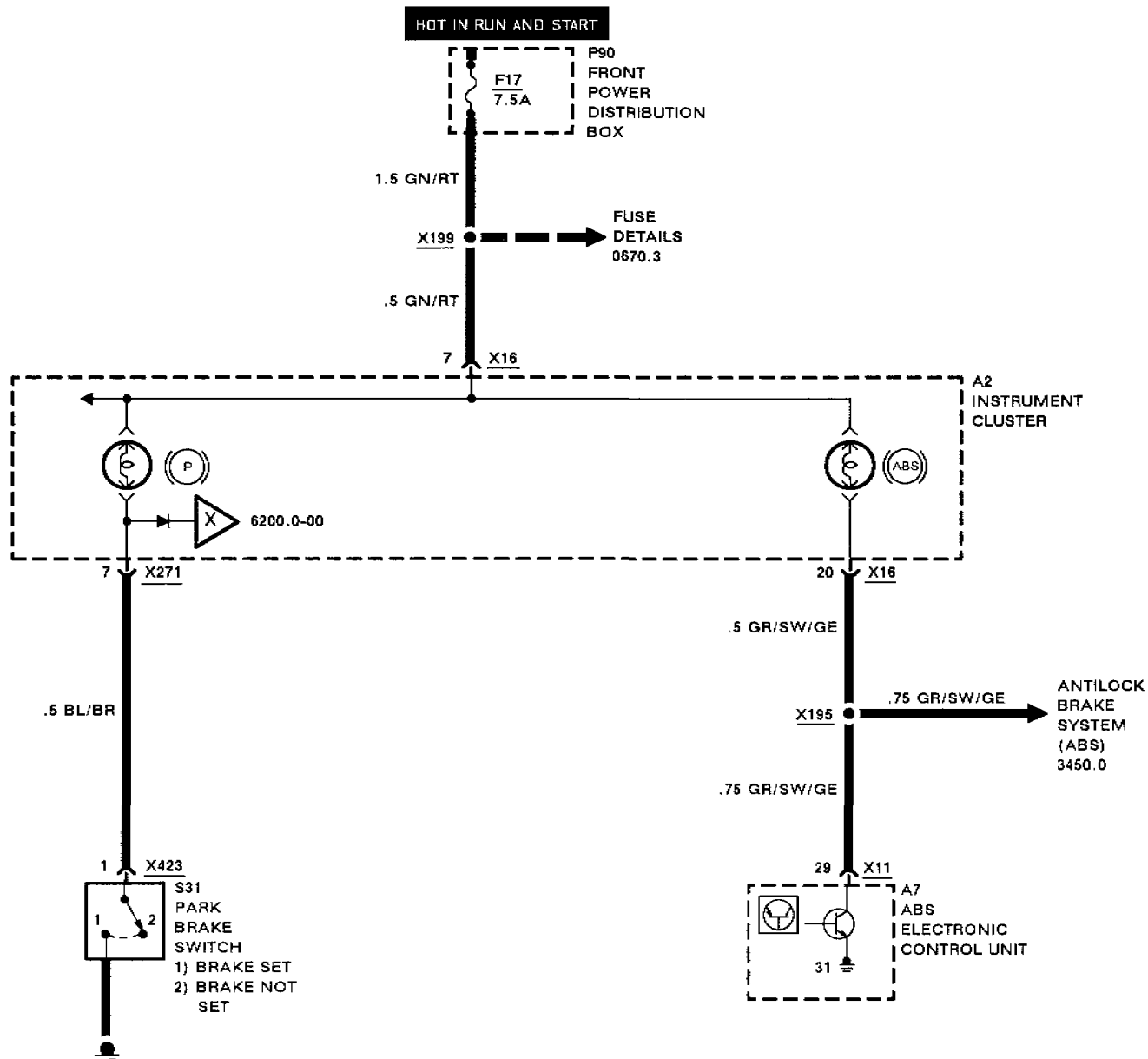
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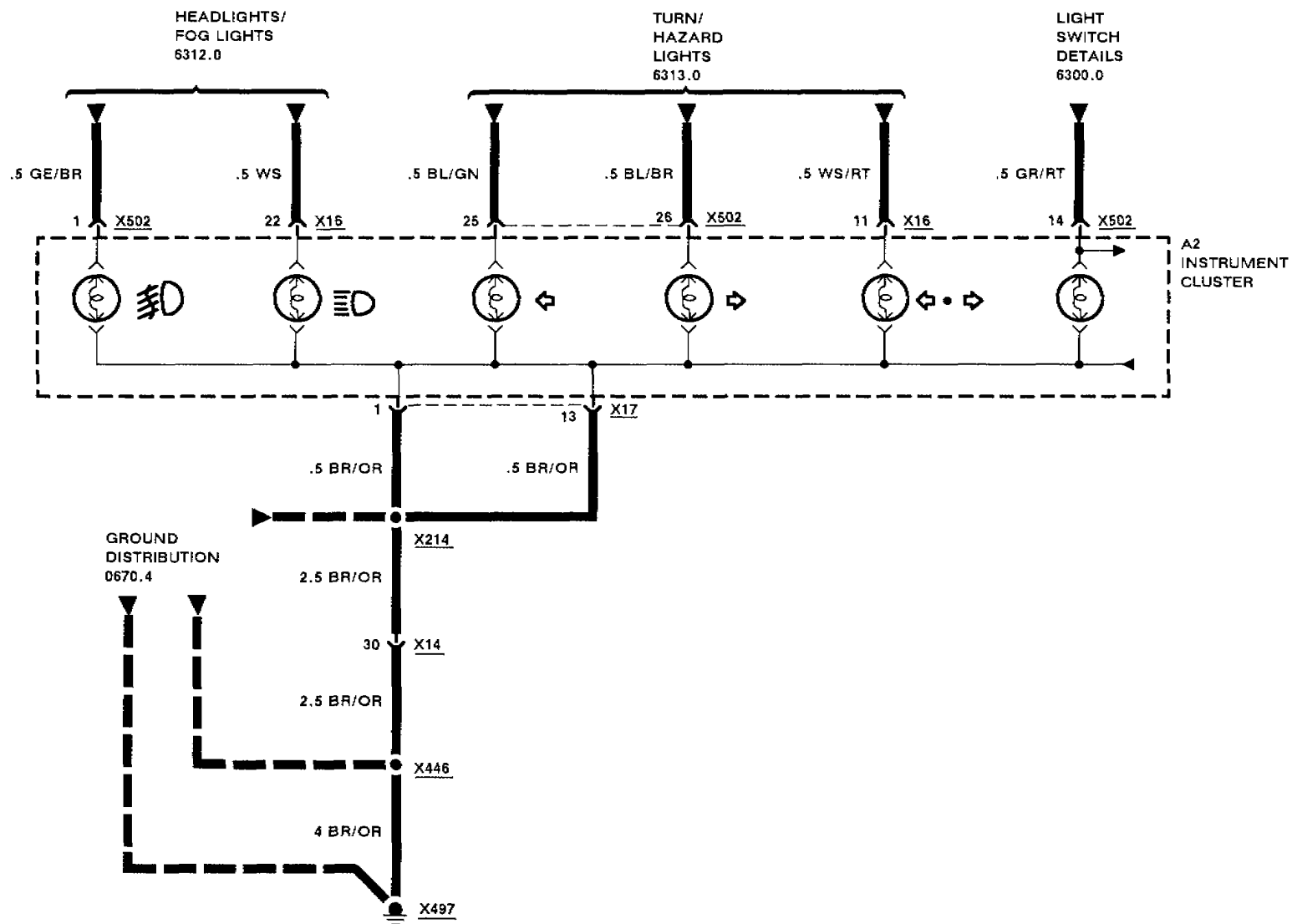
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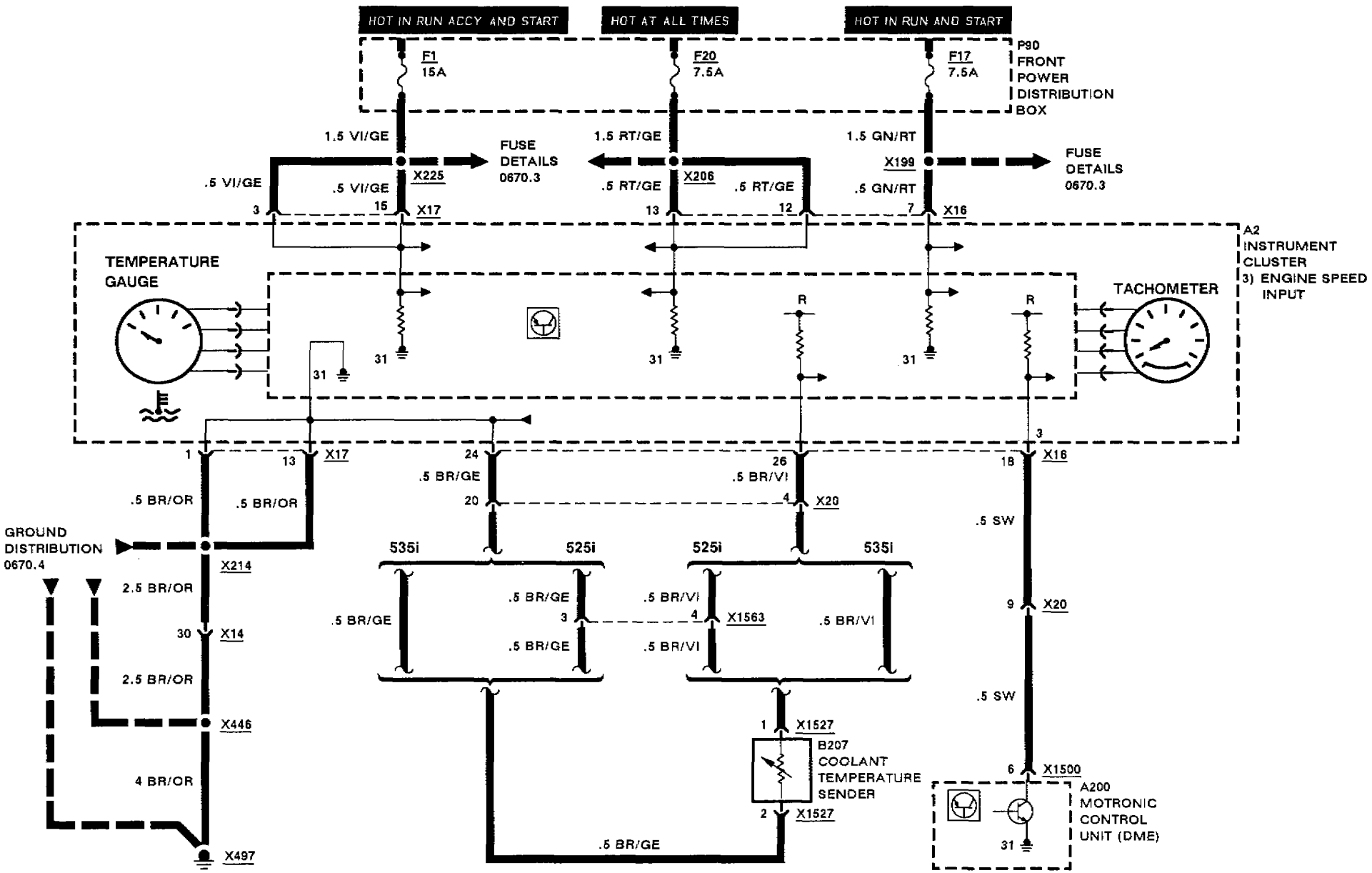
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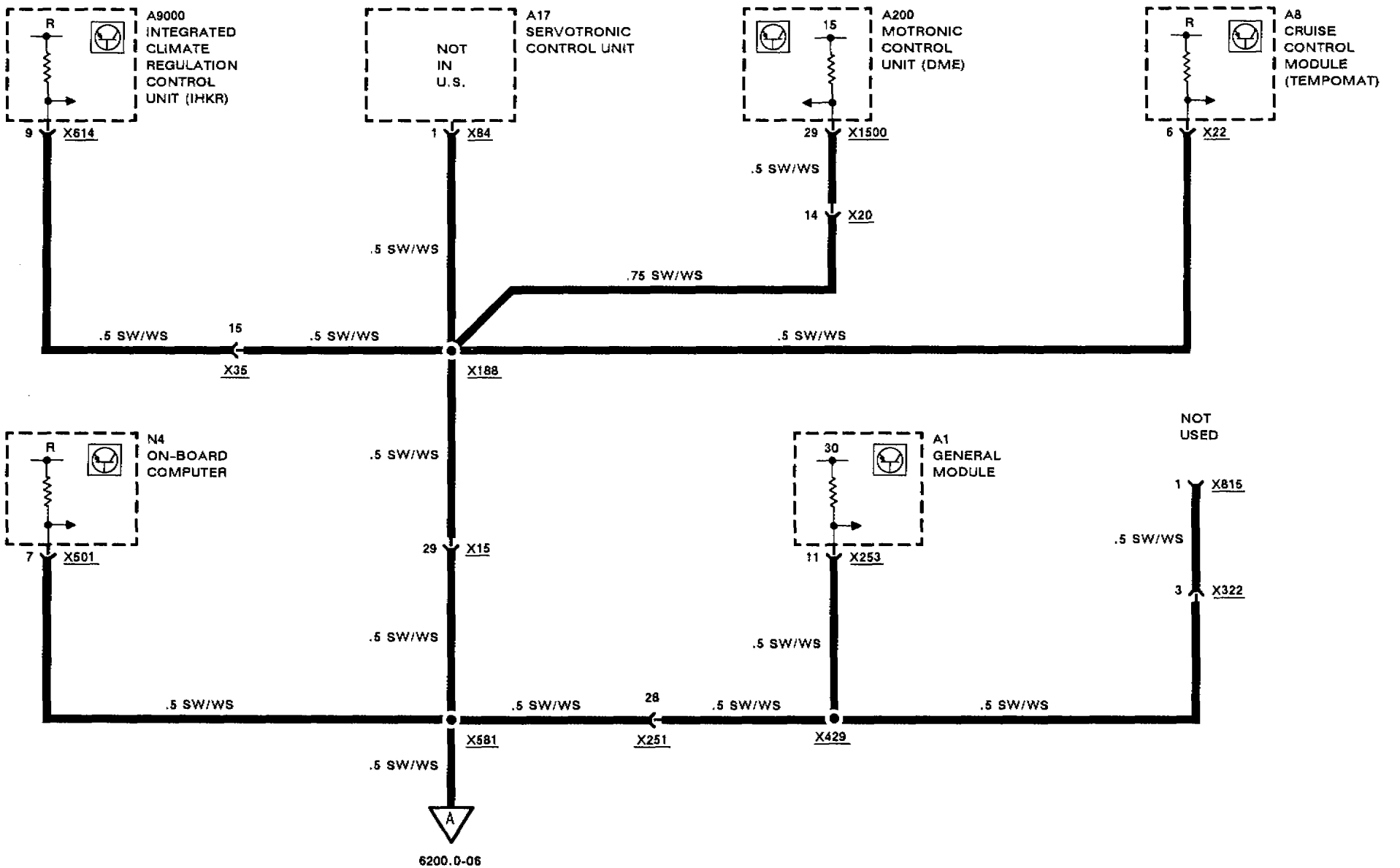
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

GAUGES



source: www.ow.no

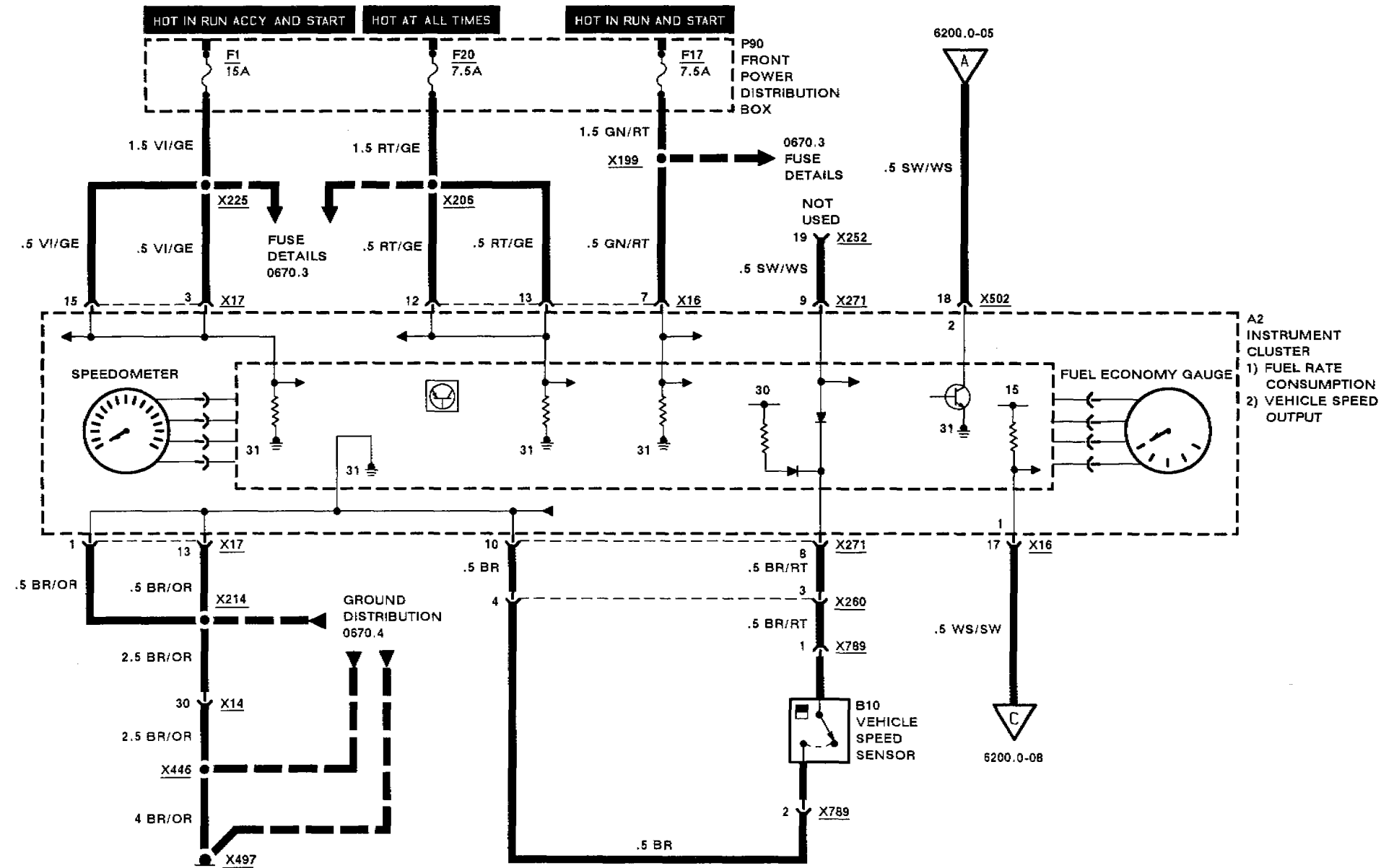
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)



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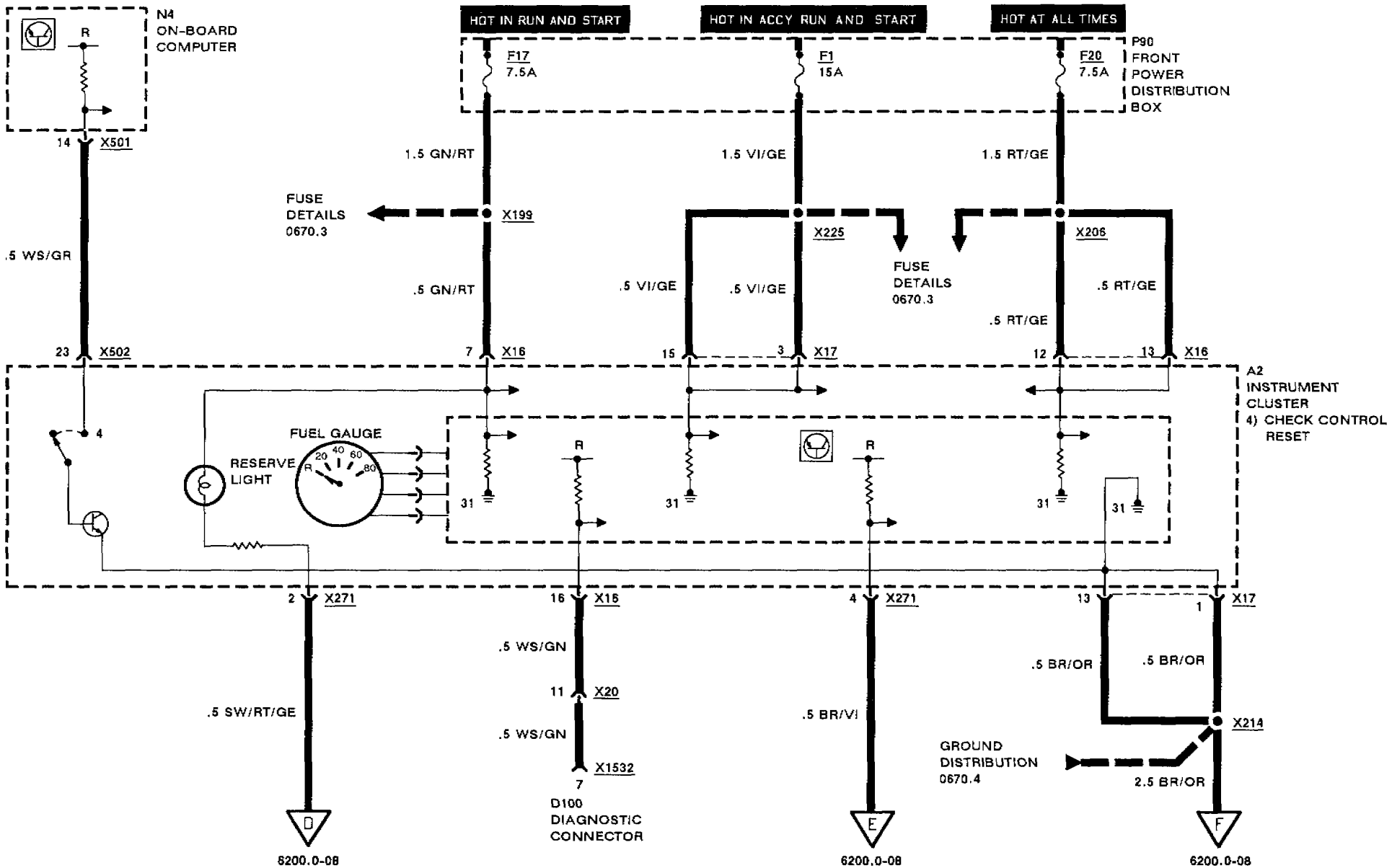
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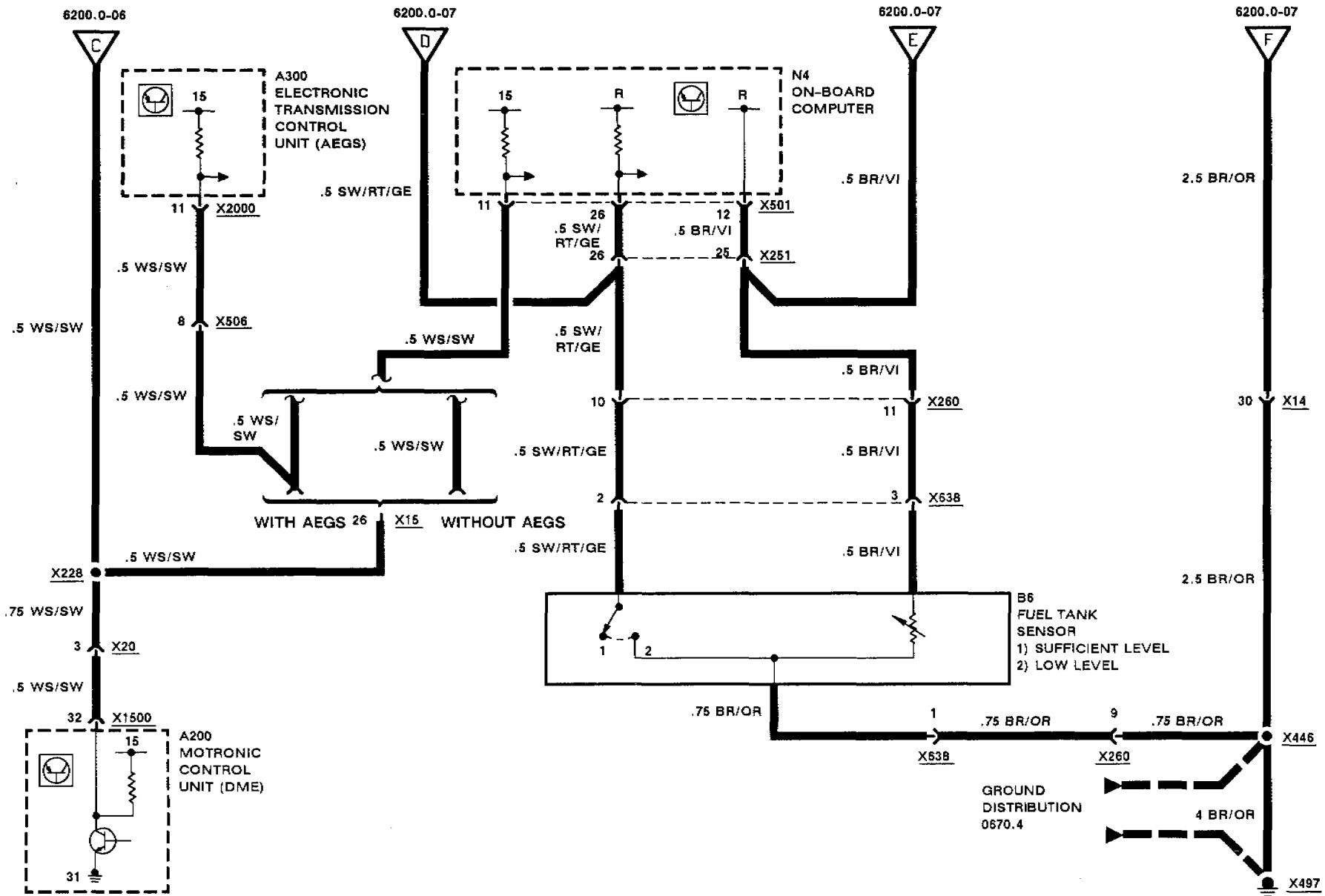
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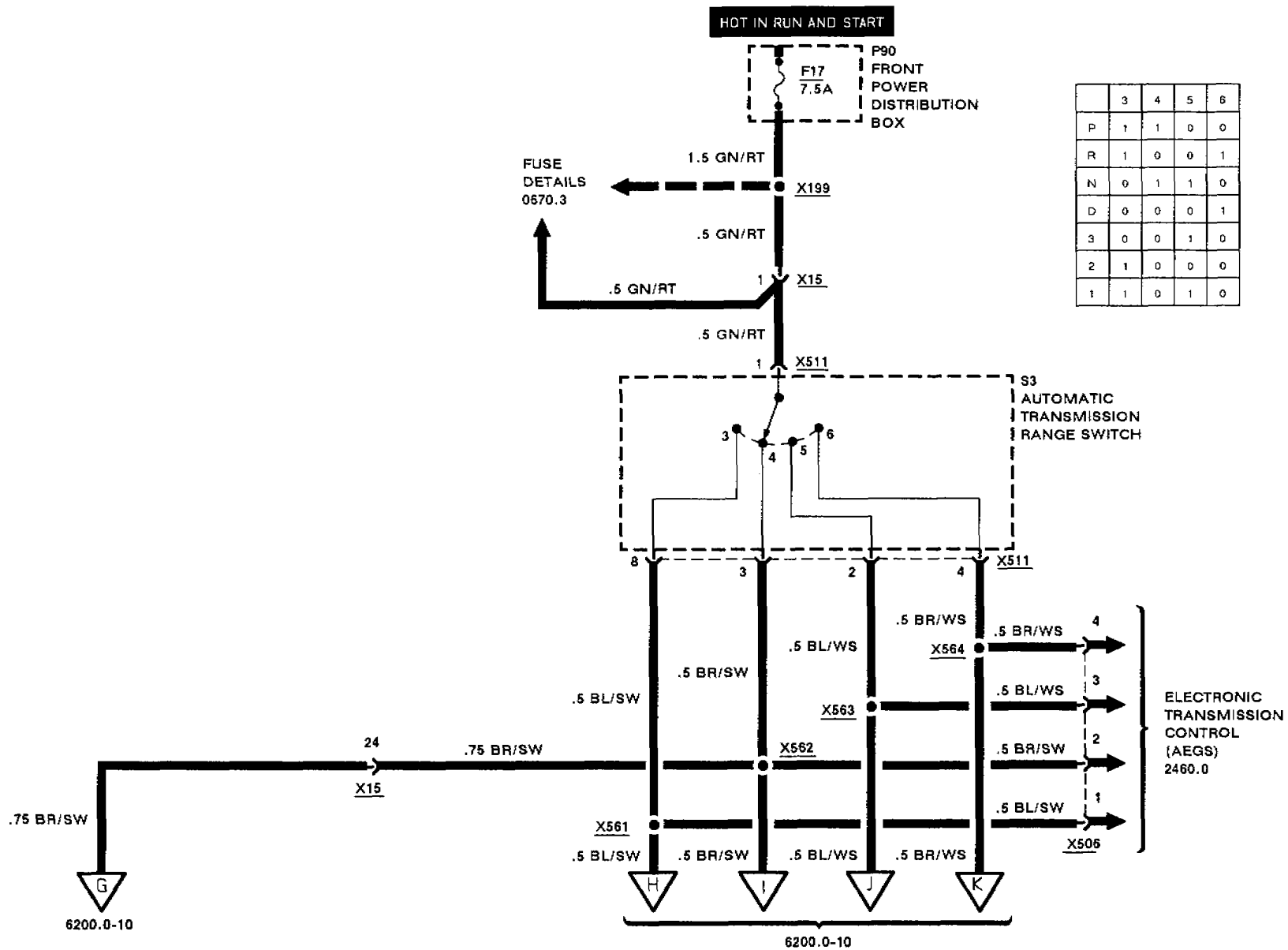
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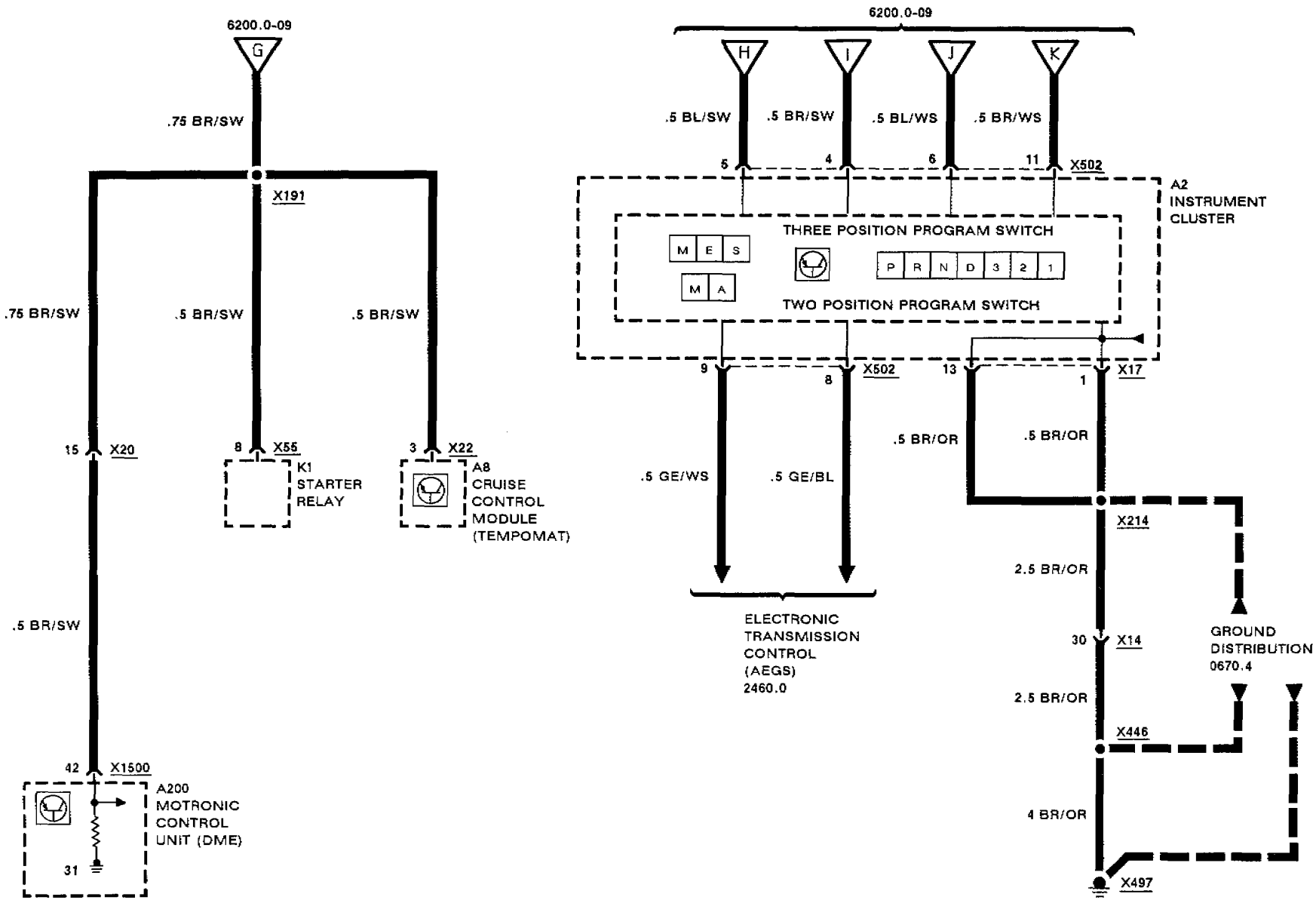
GEAR SELECTOR



	3	4	5	6
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
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source: www.ow.no

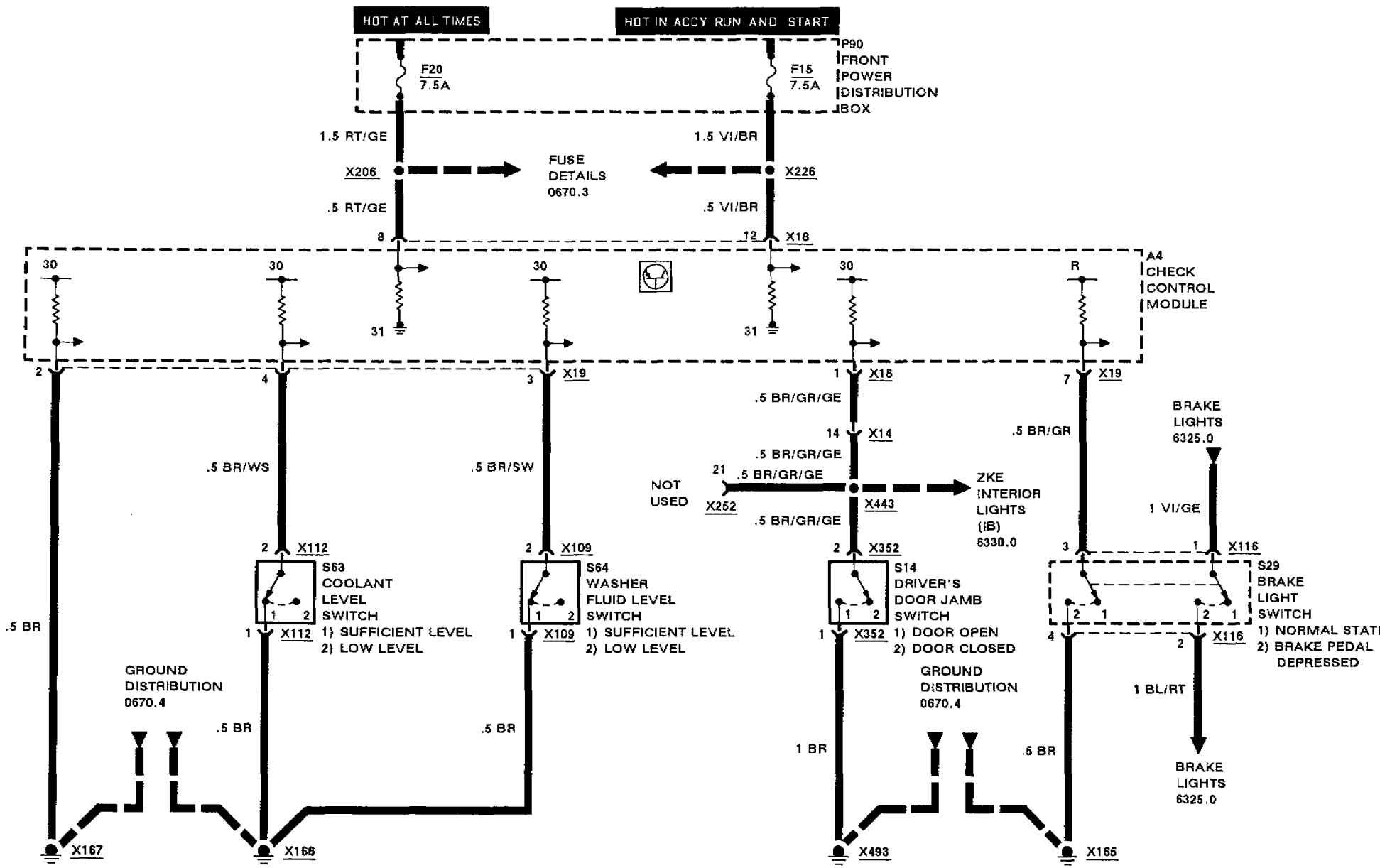
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)



source: www.ow.no

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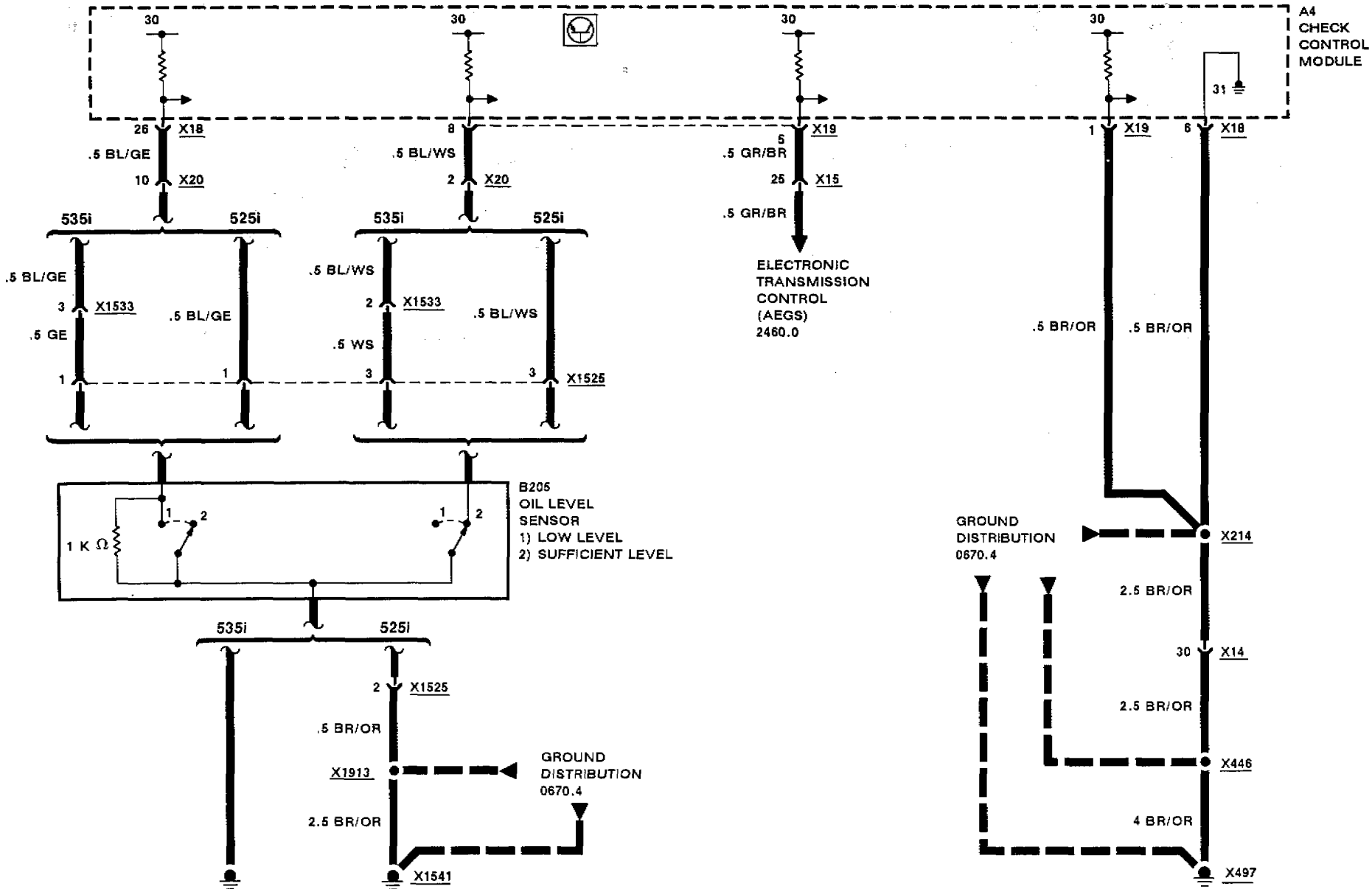
CHECK CONTROL



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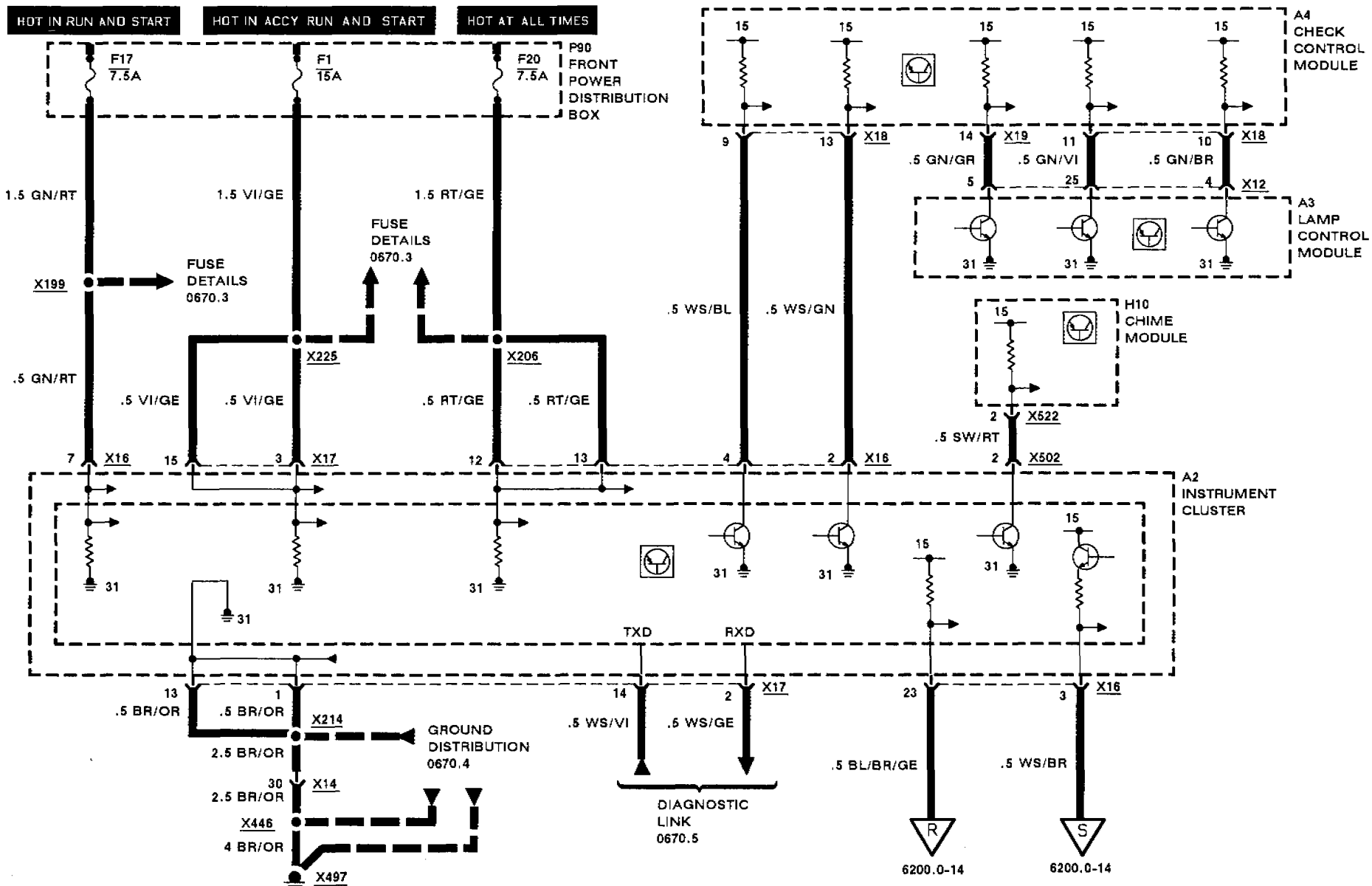
CHECK CONTROL



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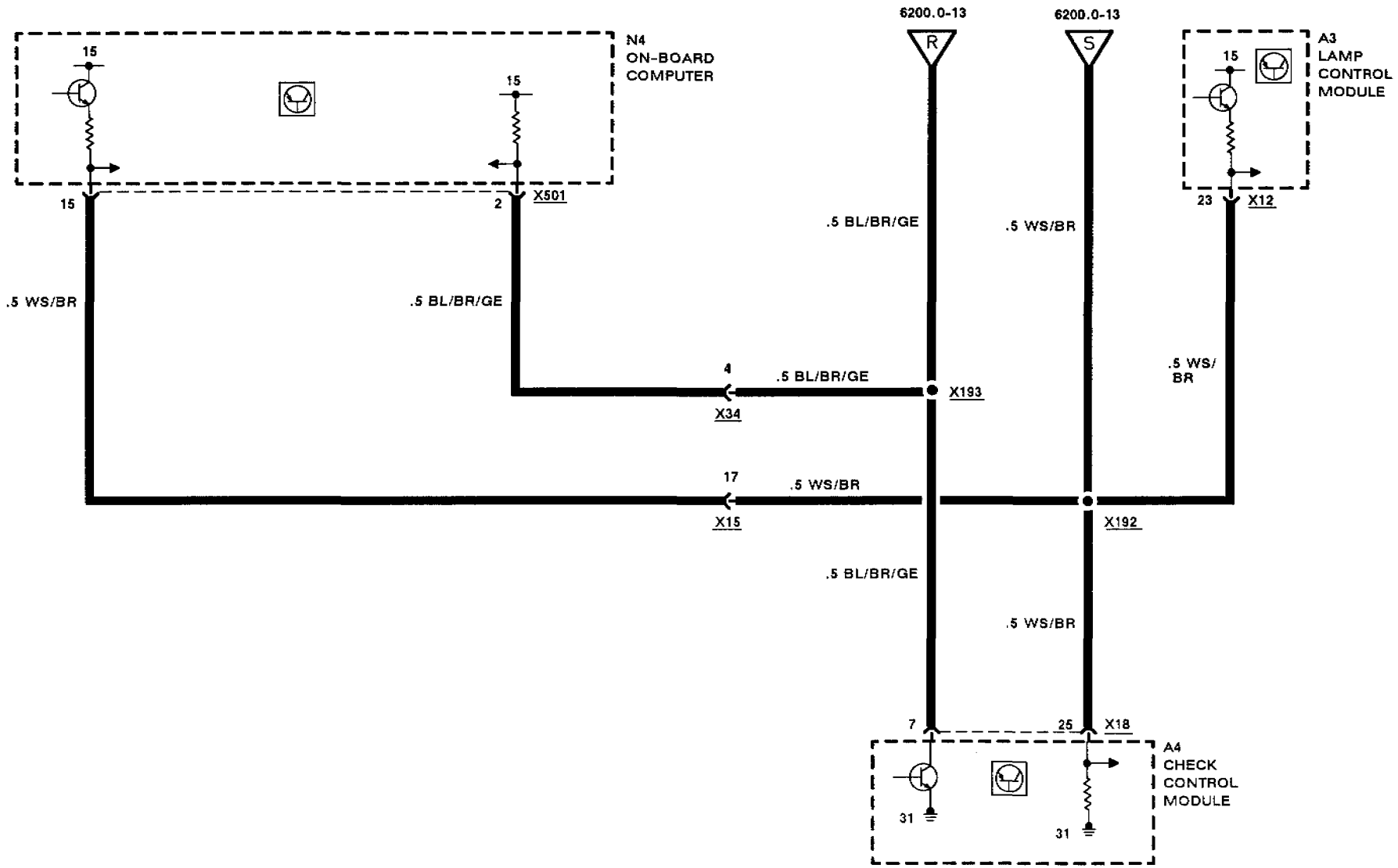
DATA LINK



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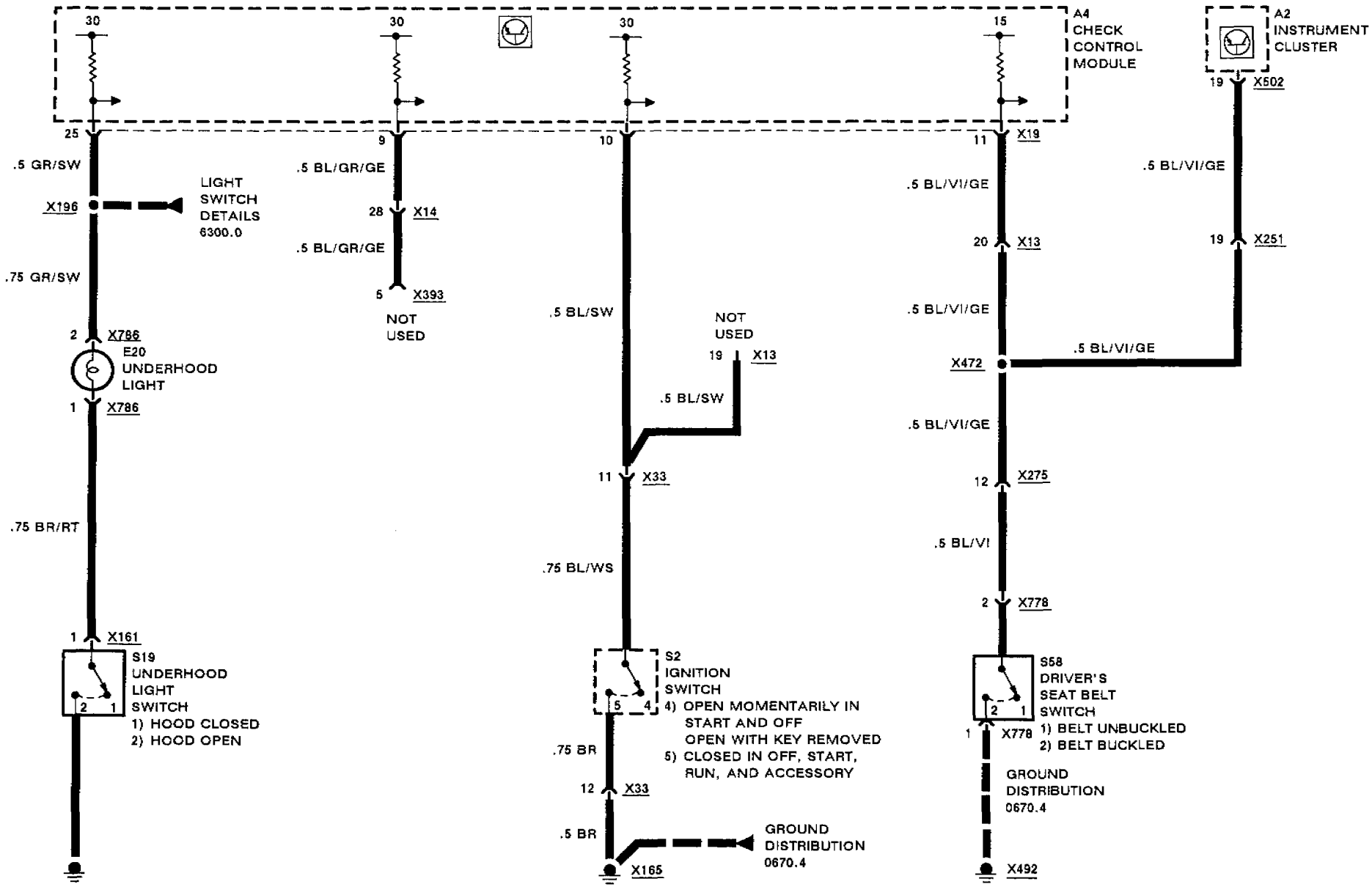
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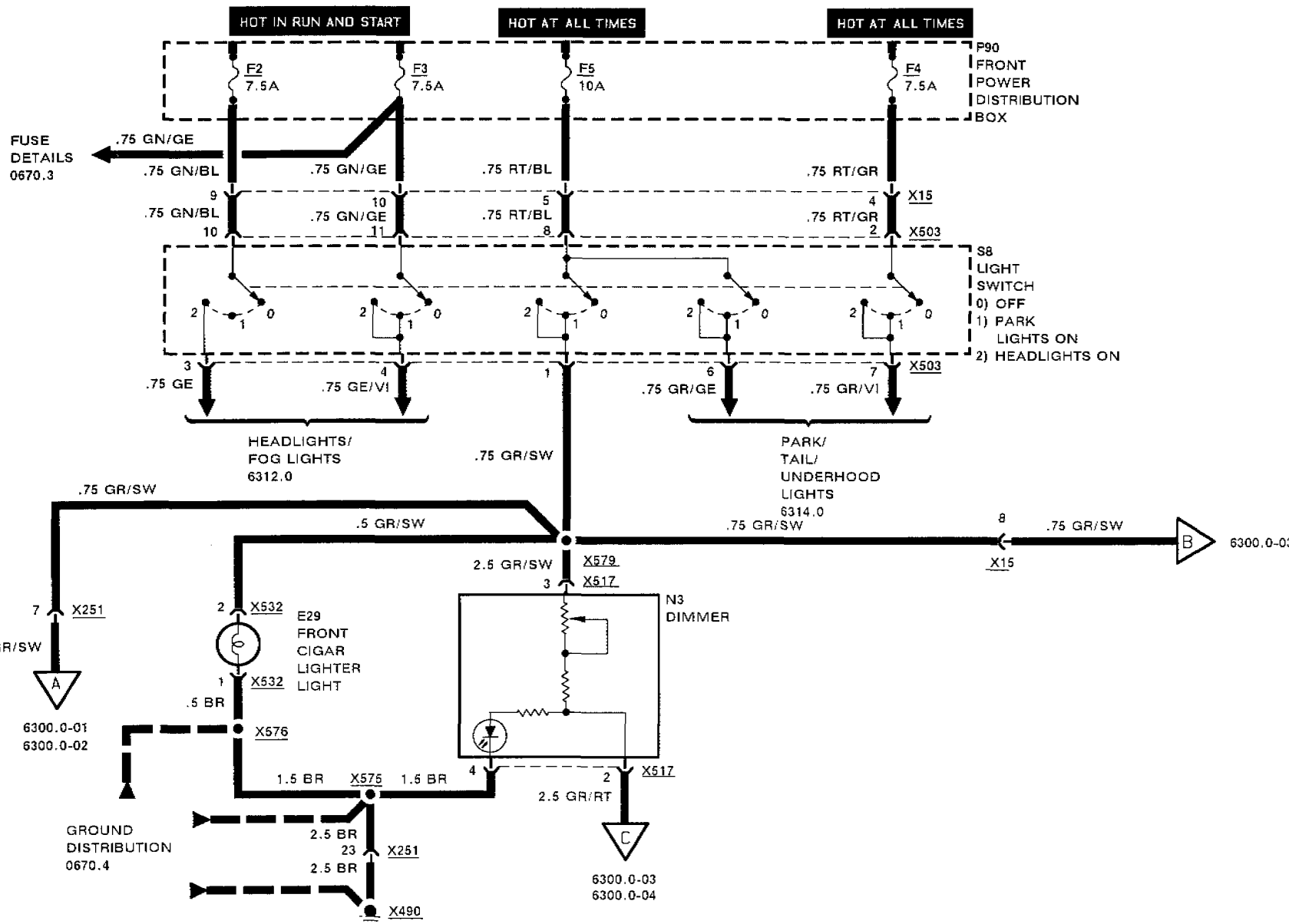
INSTRUMENT CLUSTER/ CHECK CONTROL (K/CC)

CHECK CONTROL



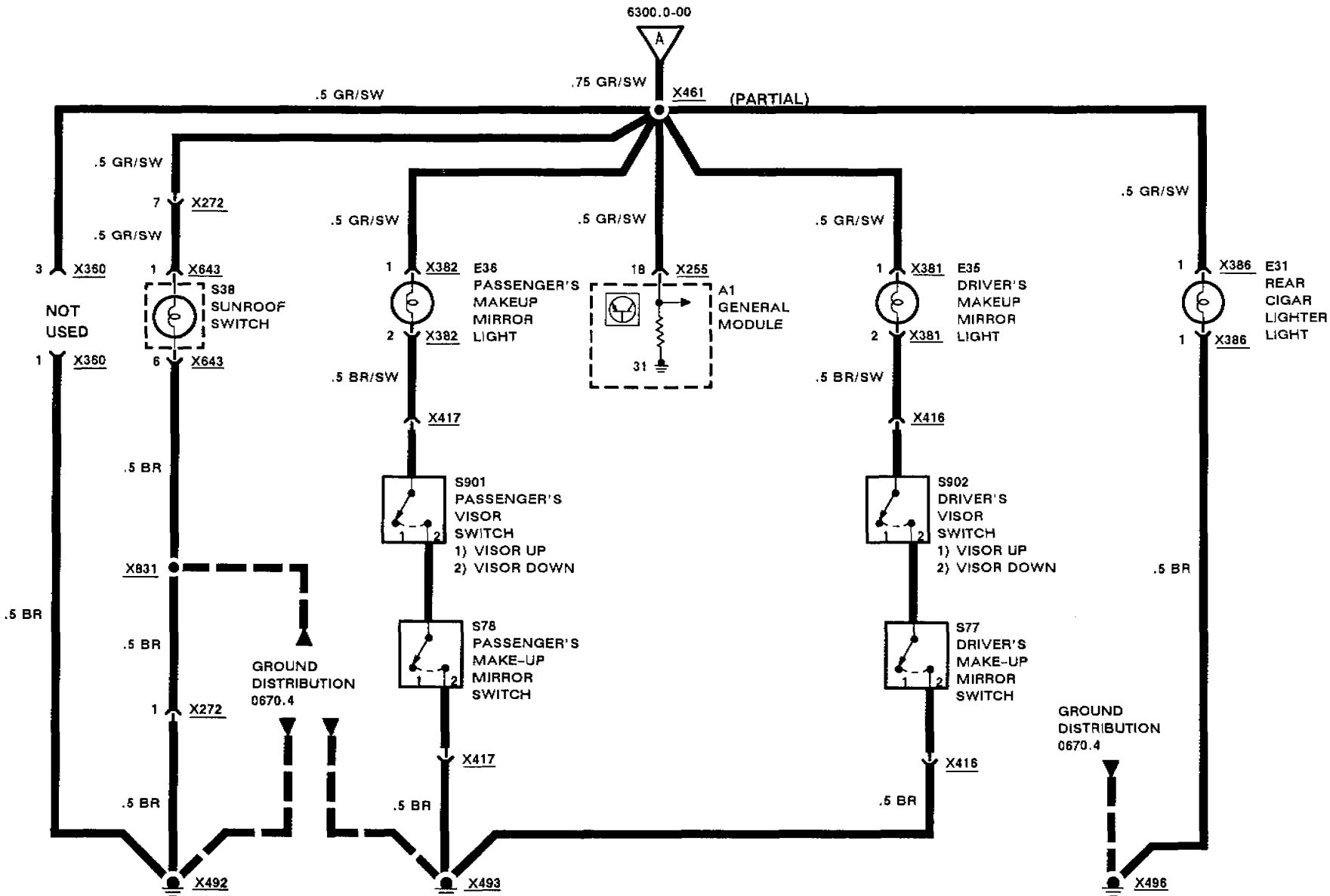
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LIGHT SWITCH DETAILS



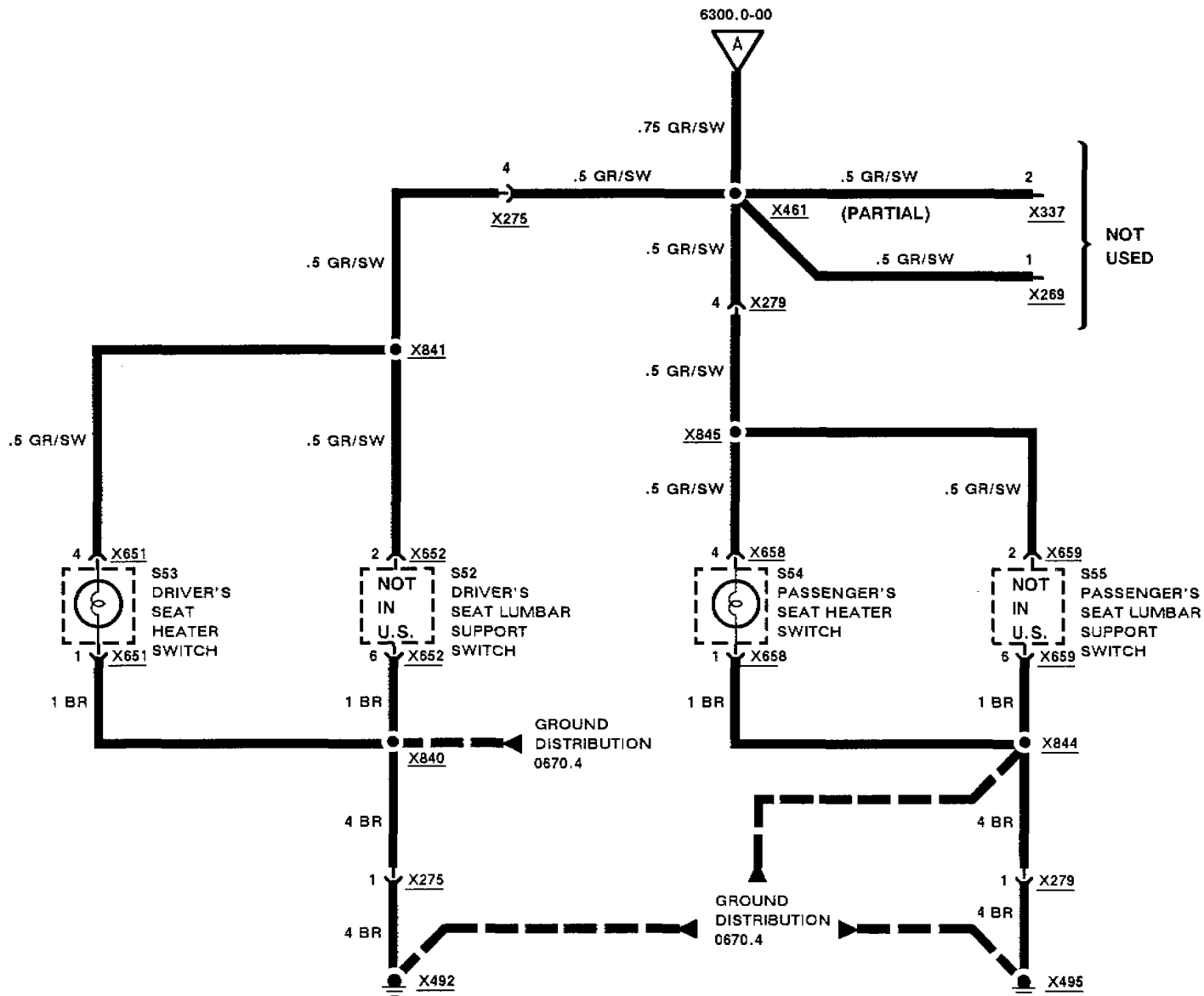
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LIGHT SWITCH DETAILS



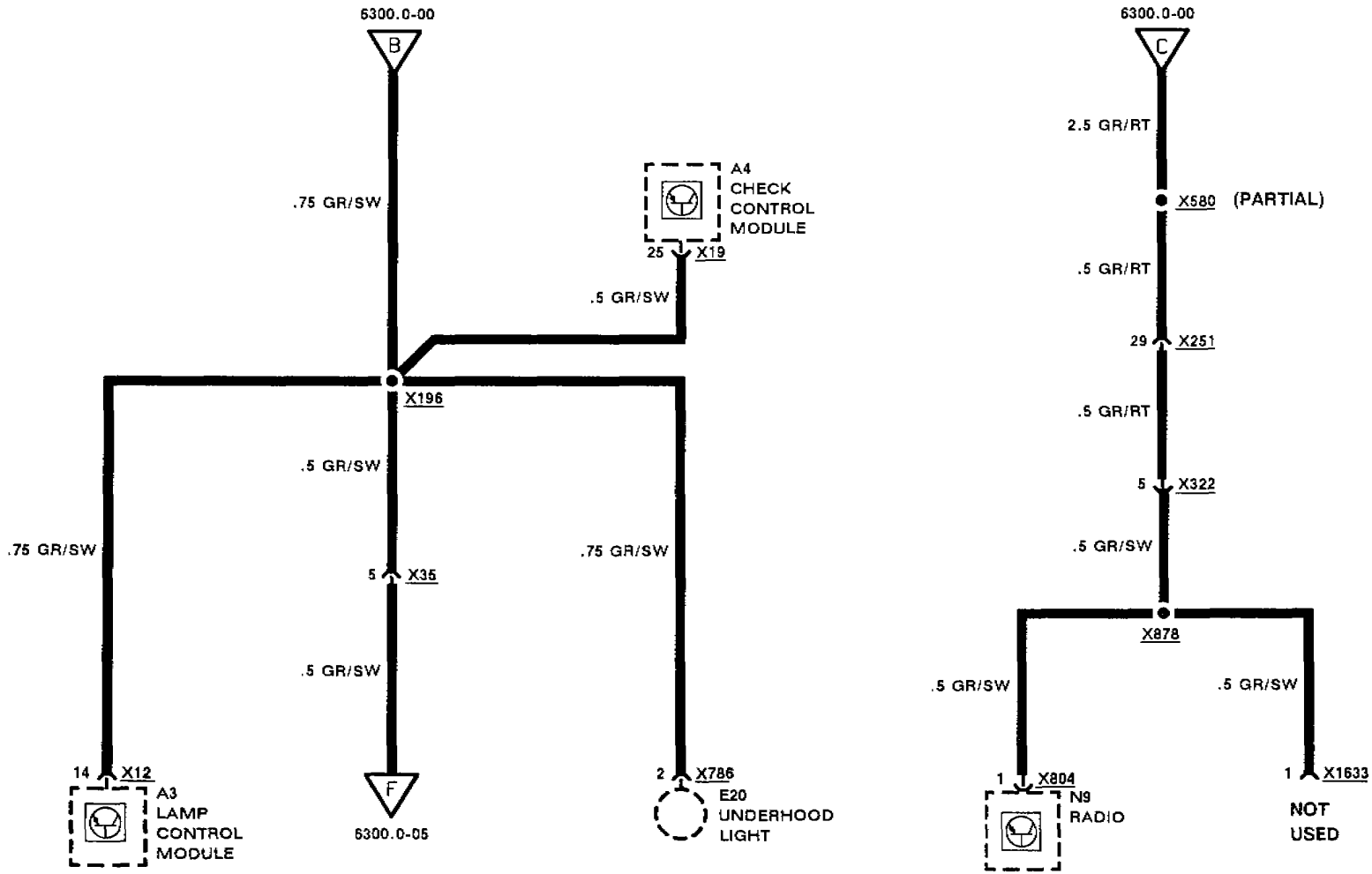
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LIGHT SWITCH DETAILS



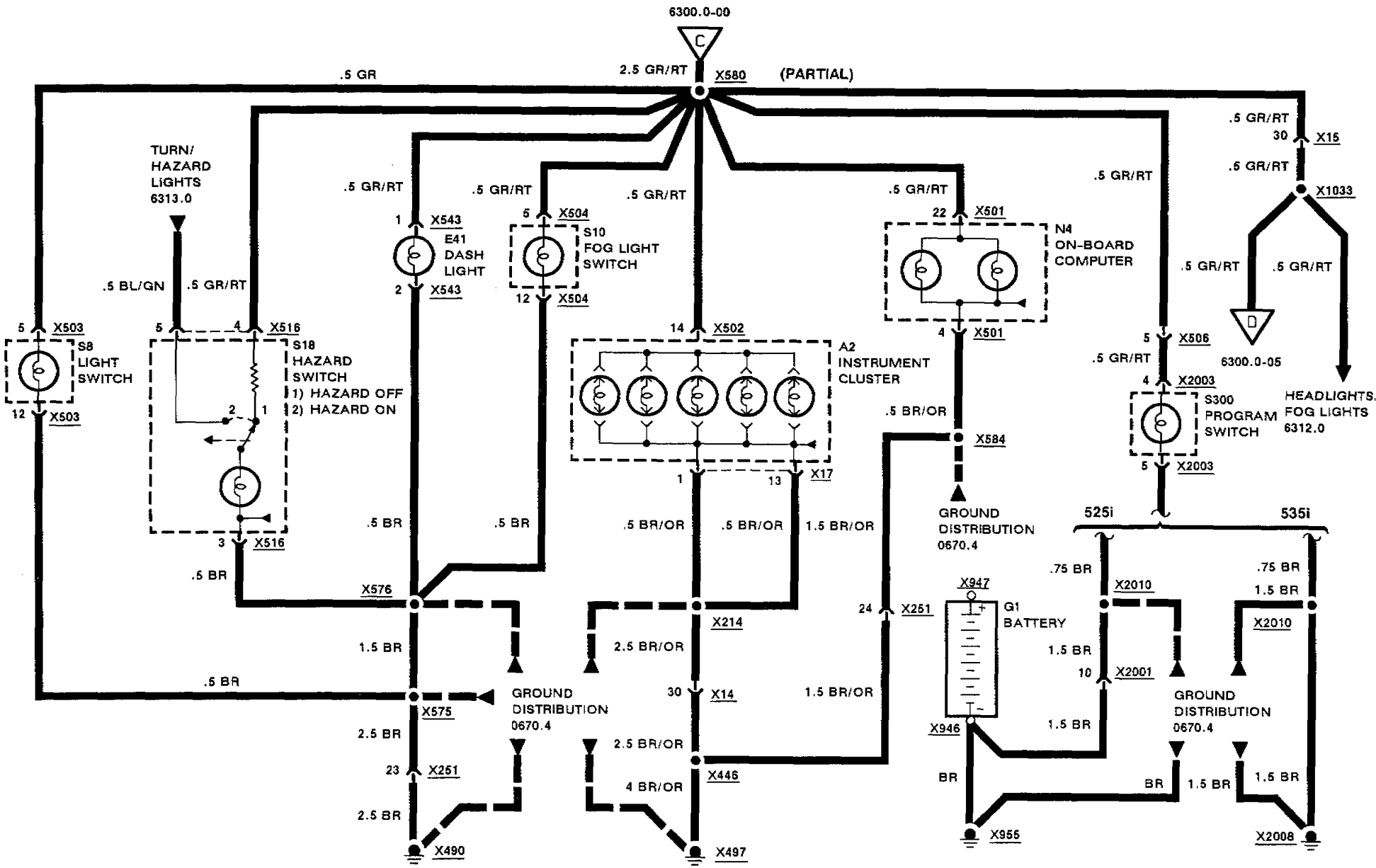
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LIGHT SWITCH DETAILS



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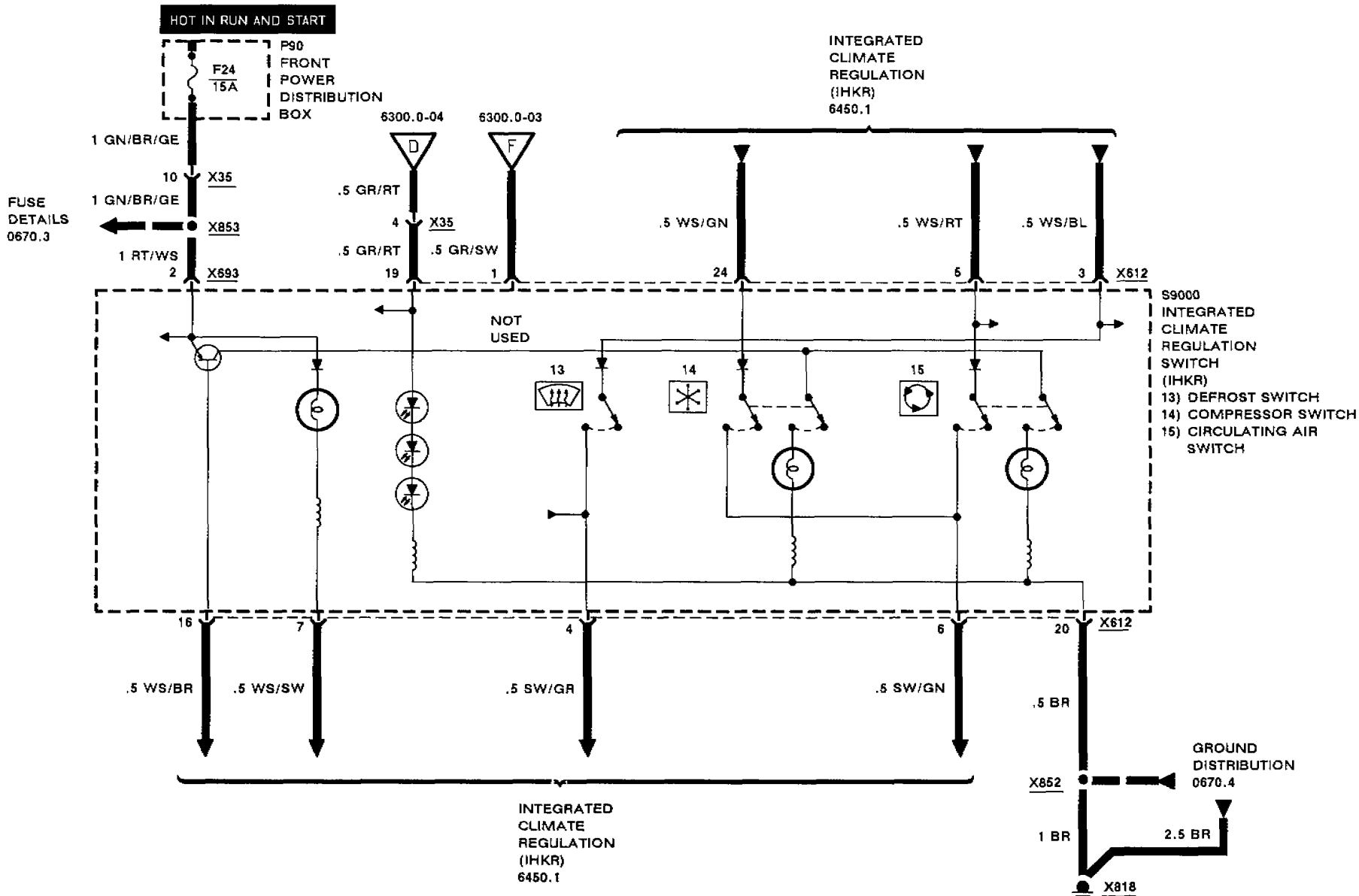
LIGHT SWITCH DETAILS



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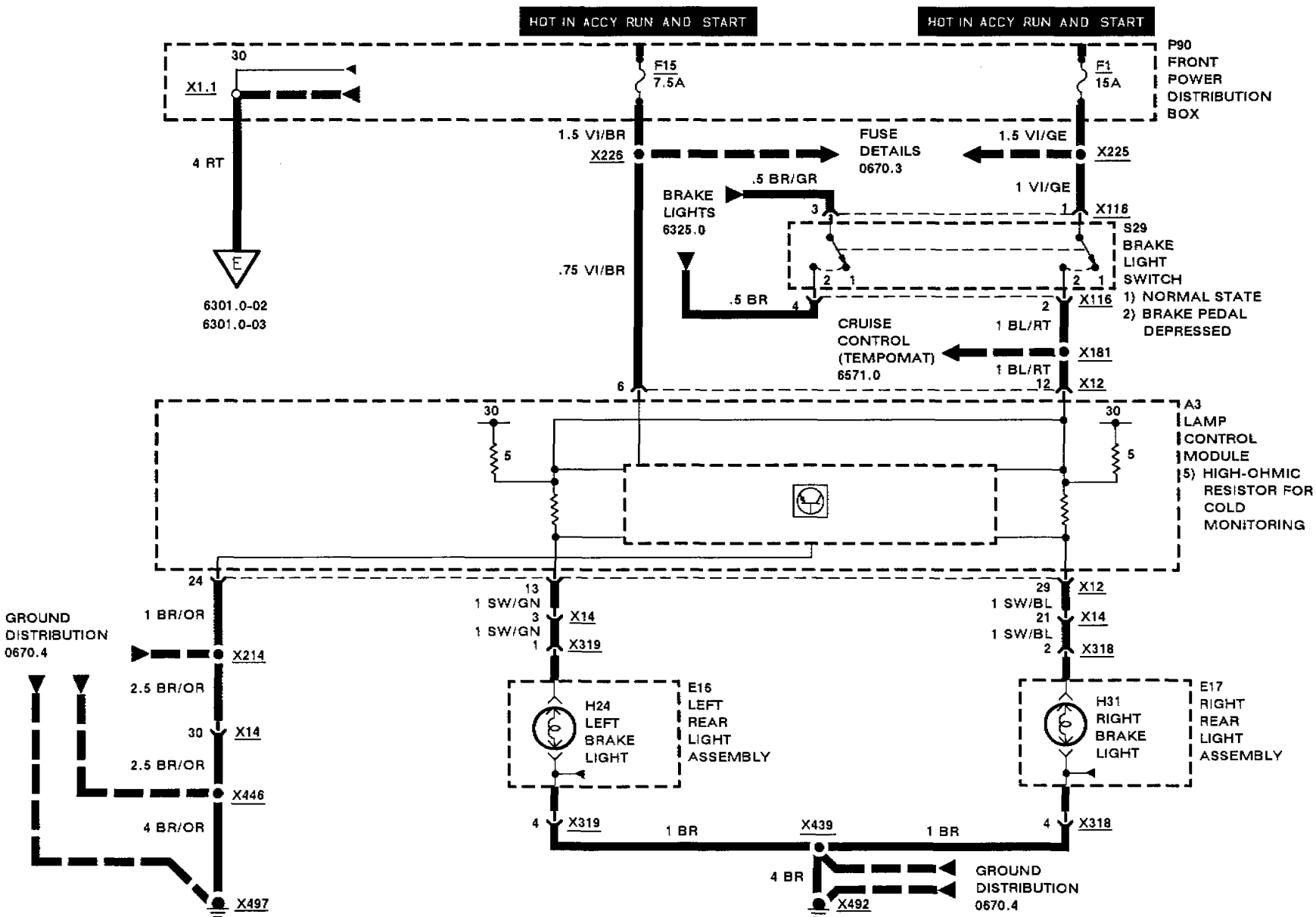
LIGHT SWITCH DETAILS

IHKR



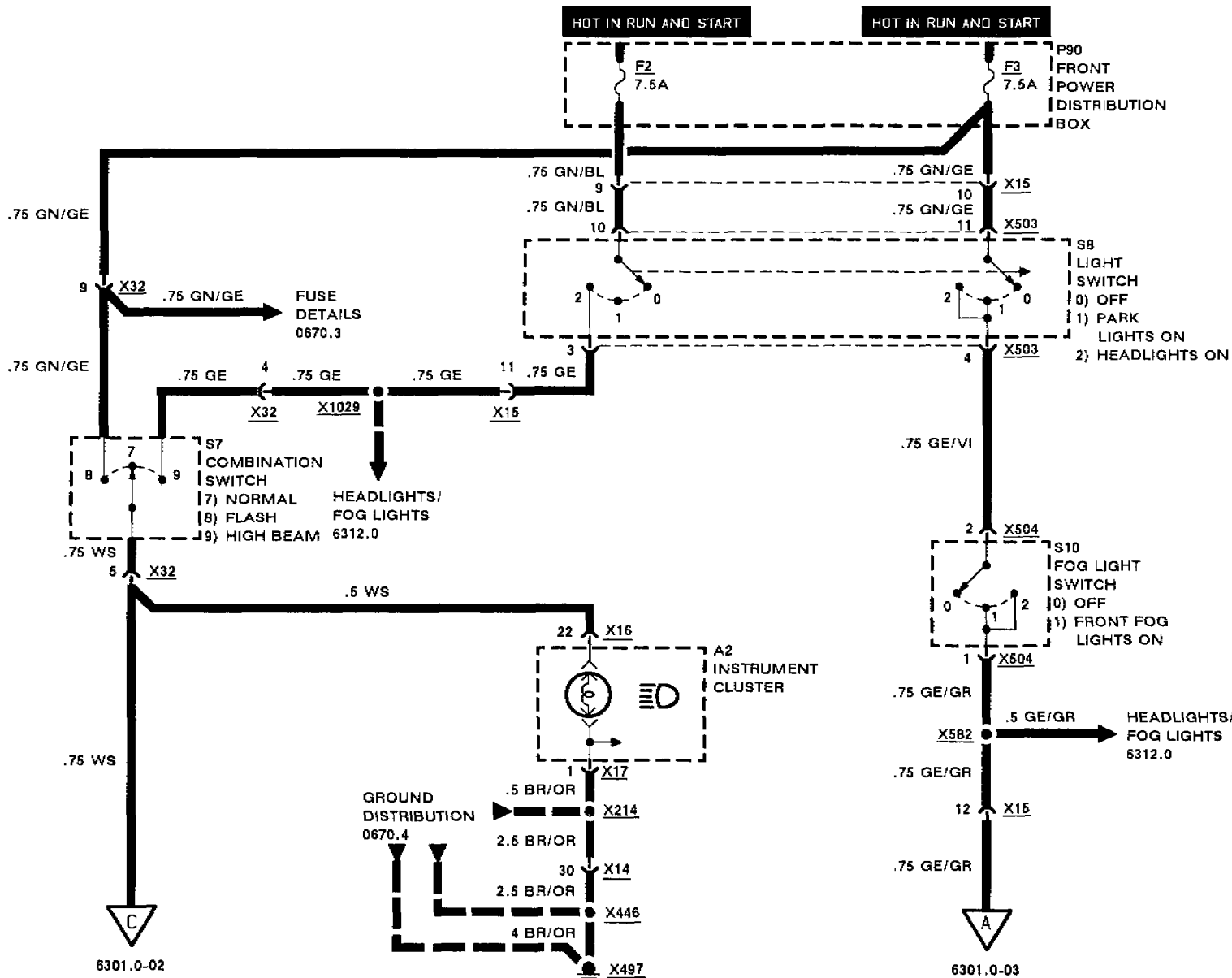
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LAMP MONITOR (LKM)



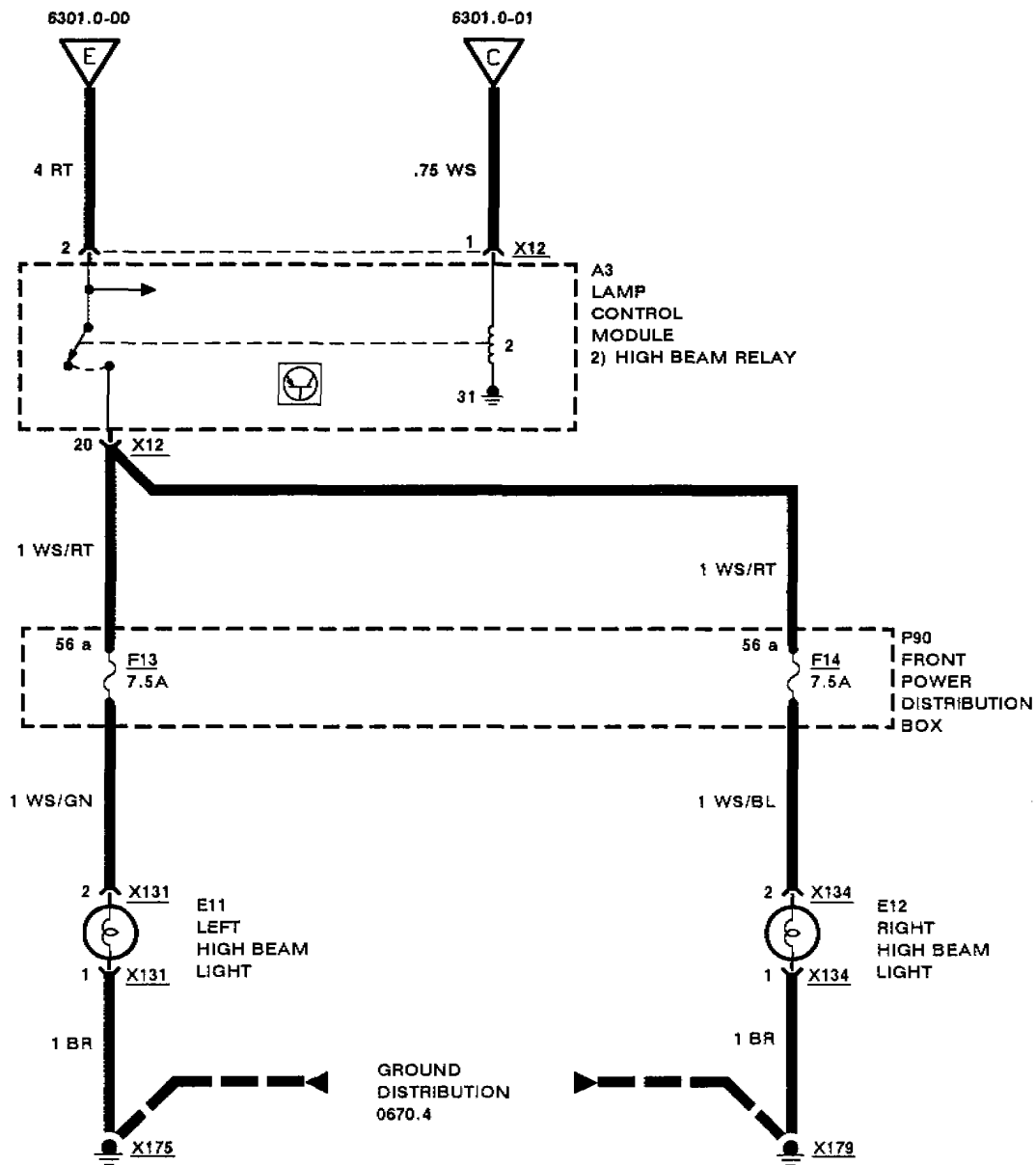
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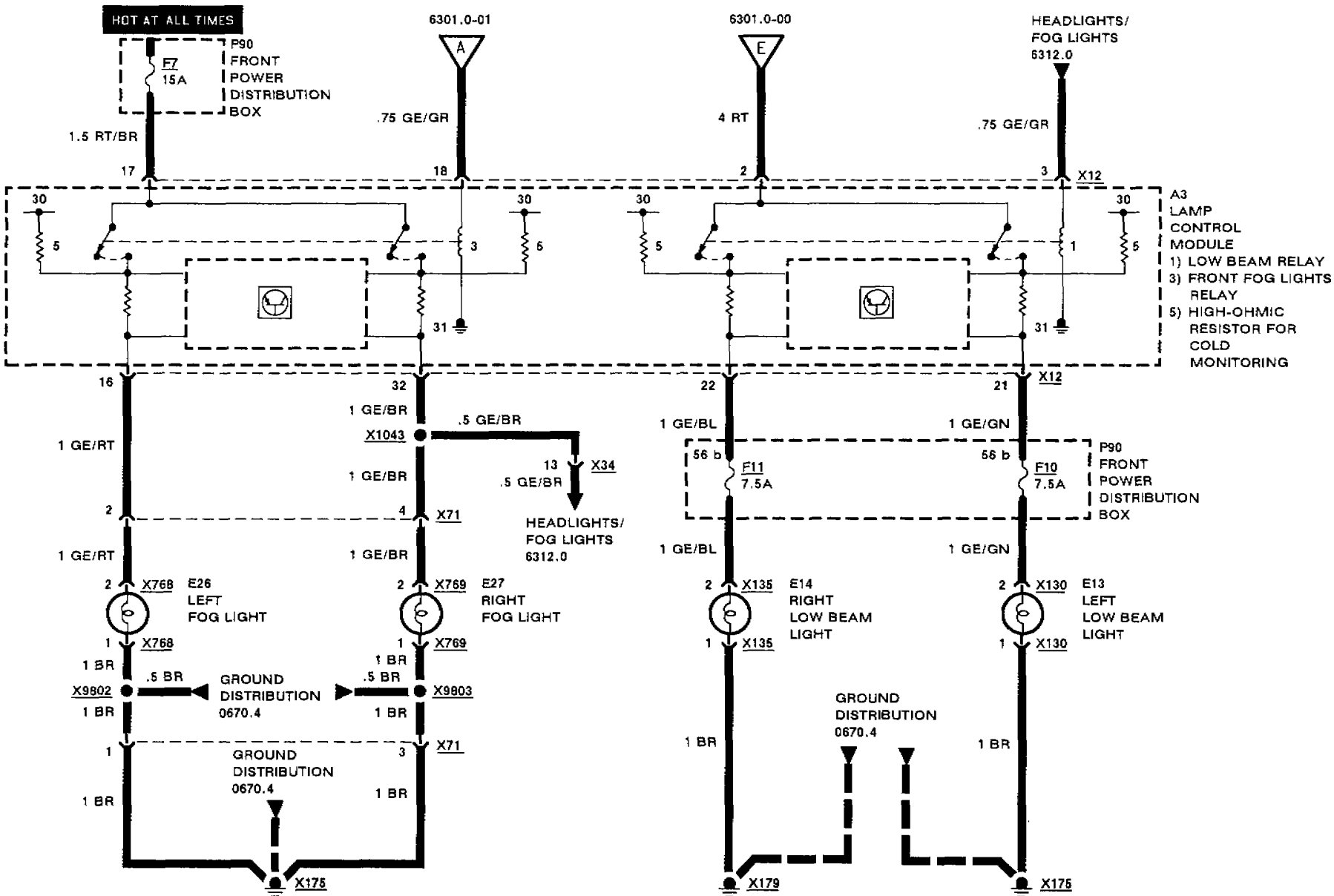
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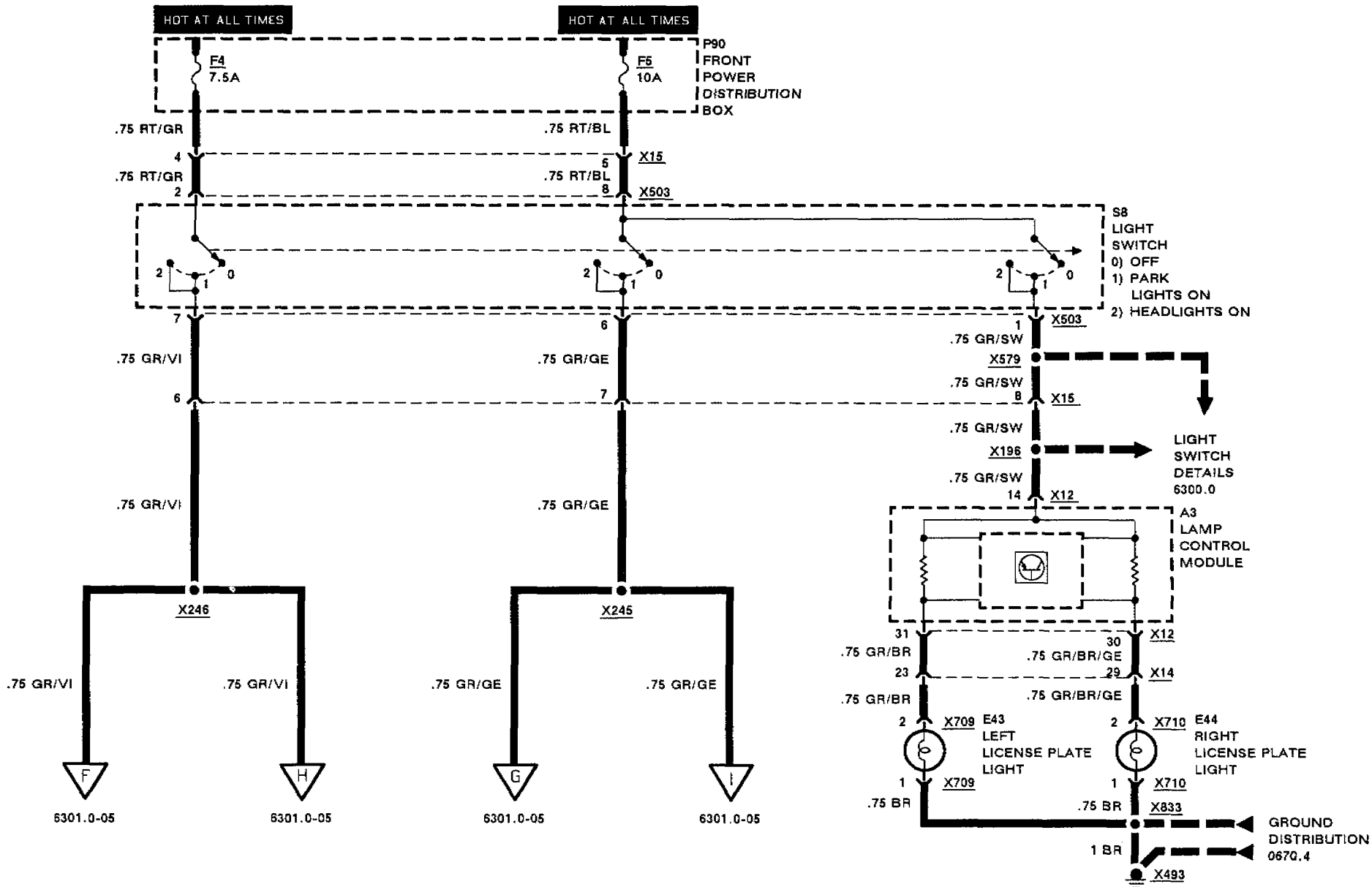
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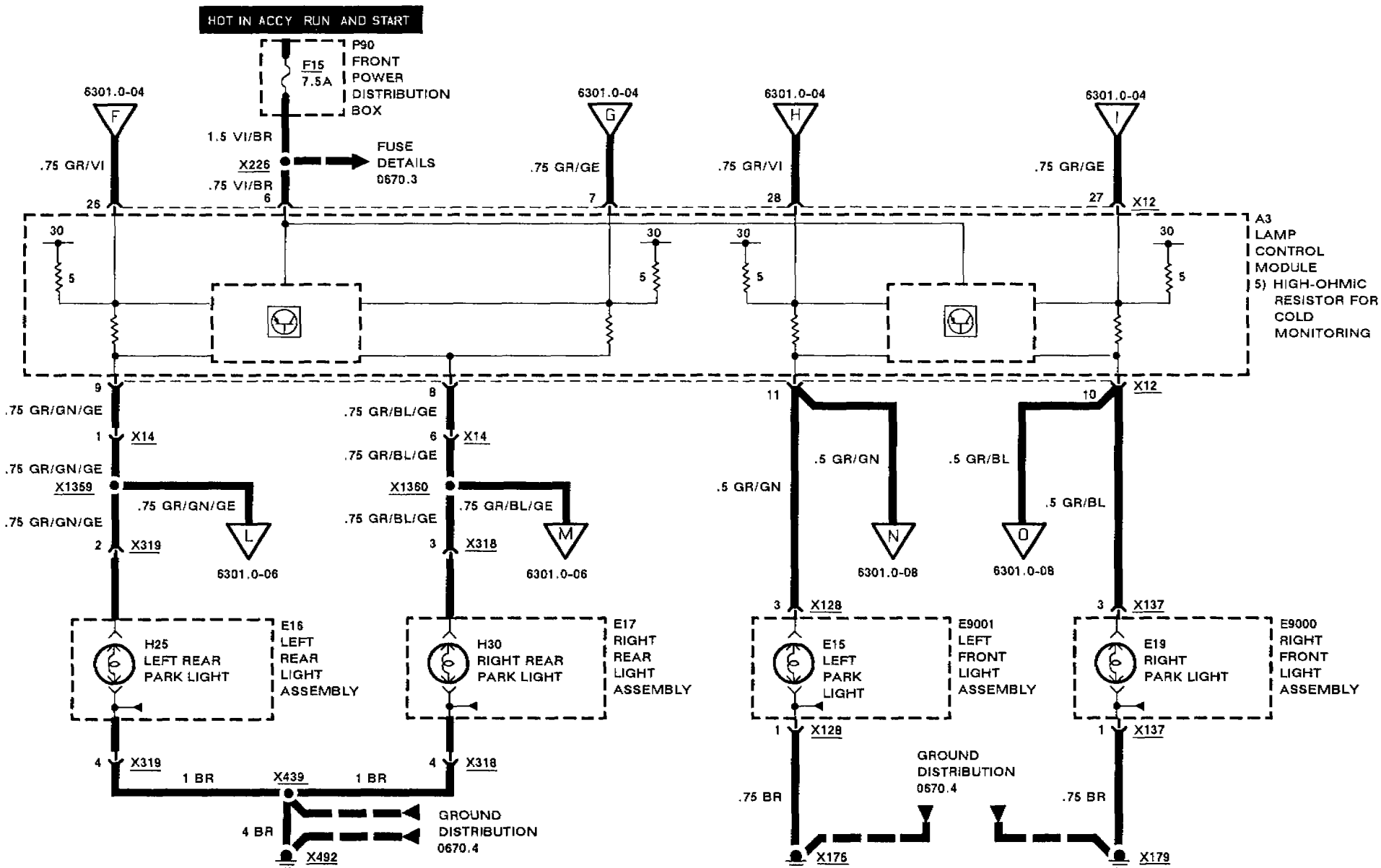
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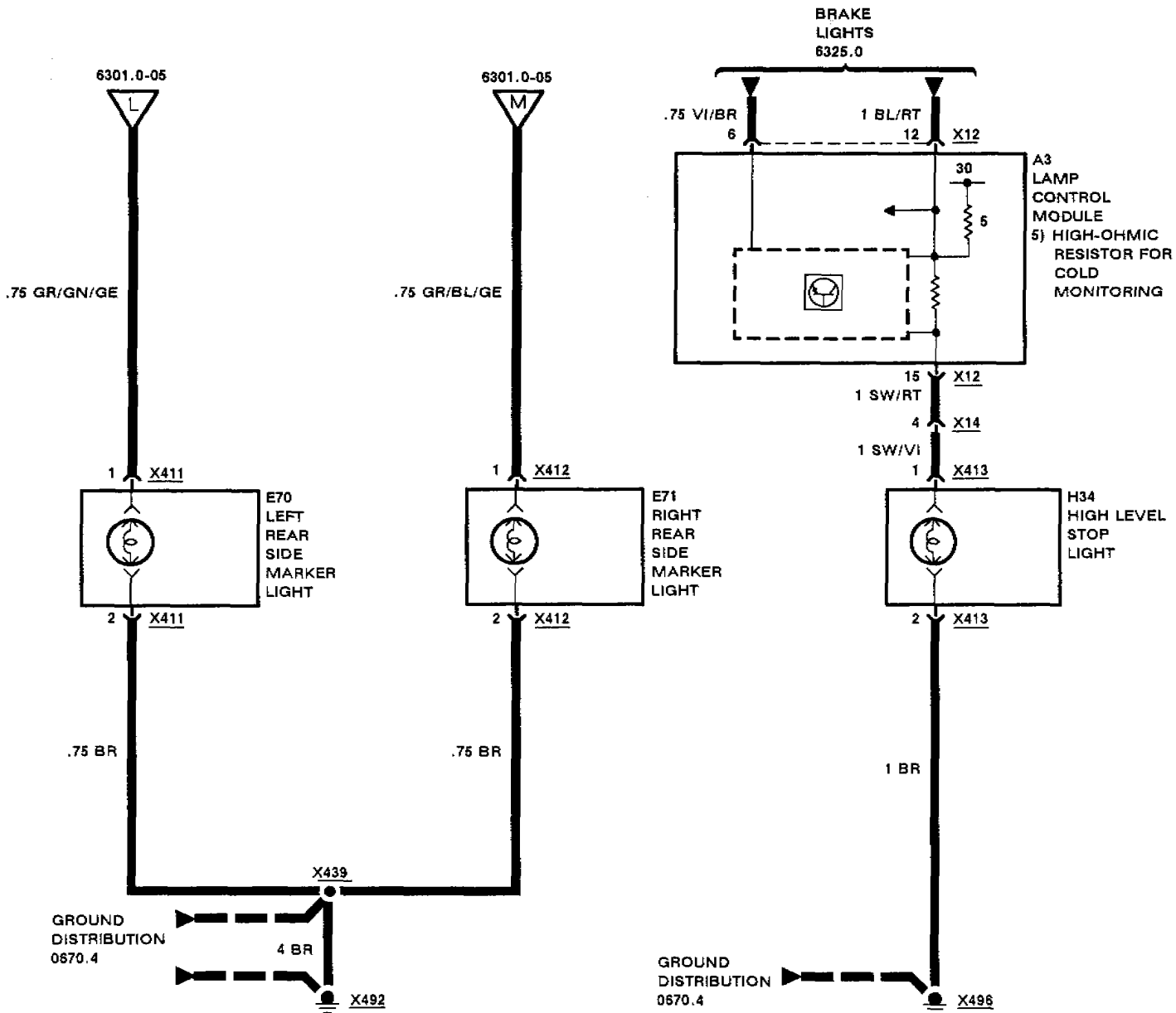
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LAMP MONITOR (LKM)



source: www.ow.no

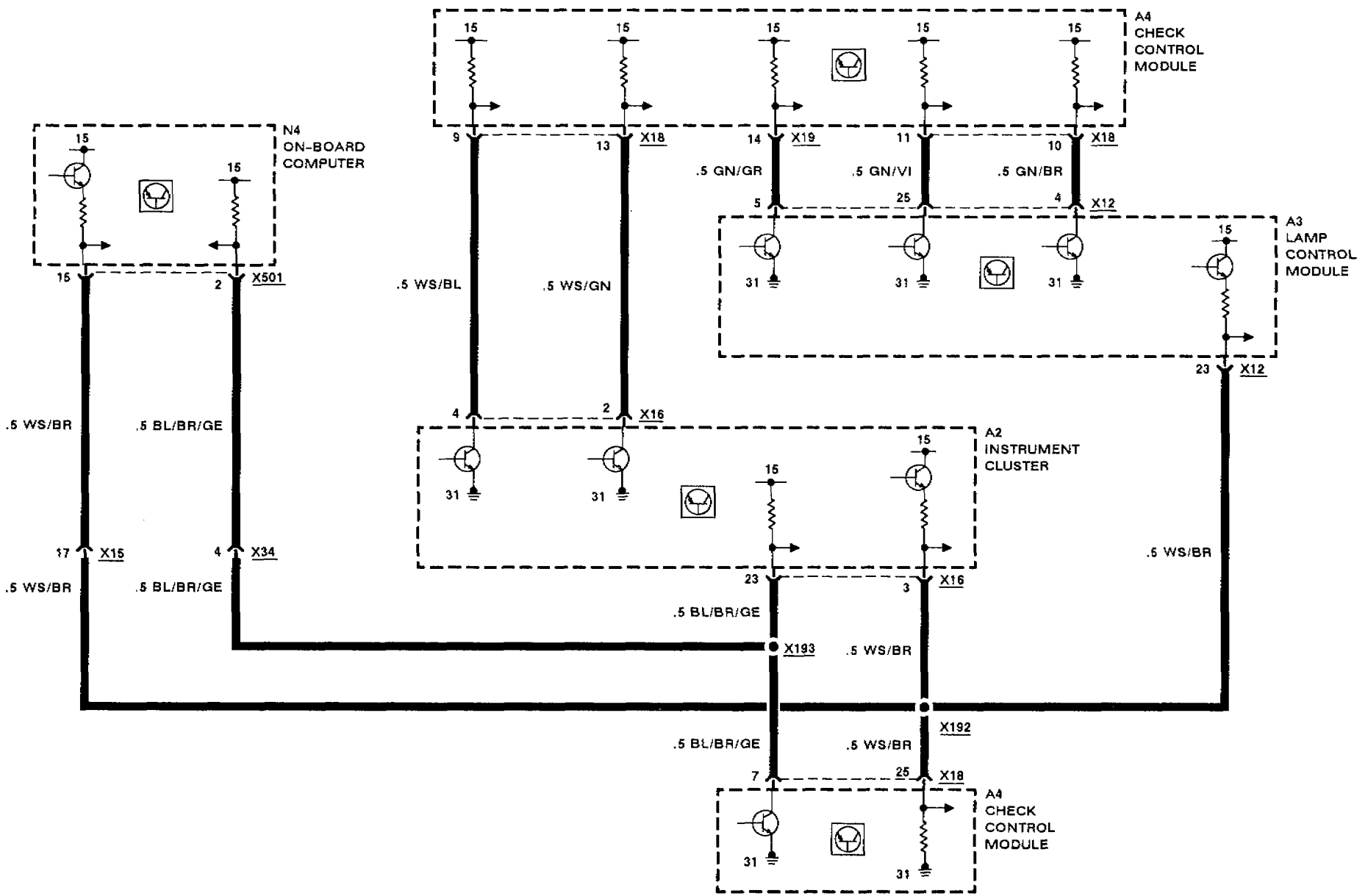
LAMP MONITOR (LKM)



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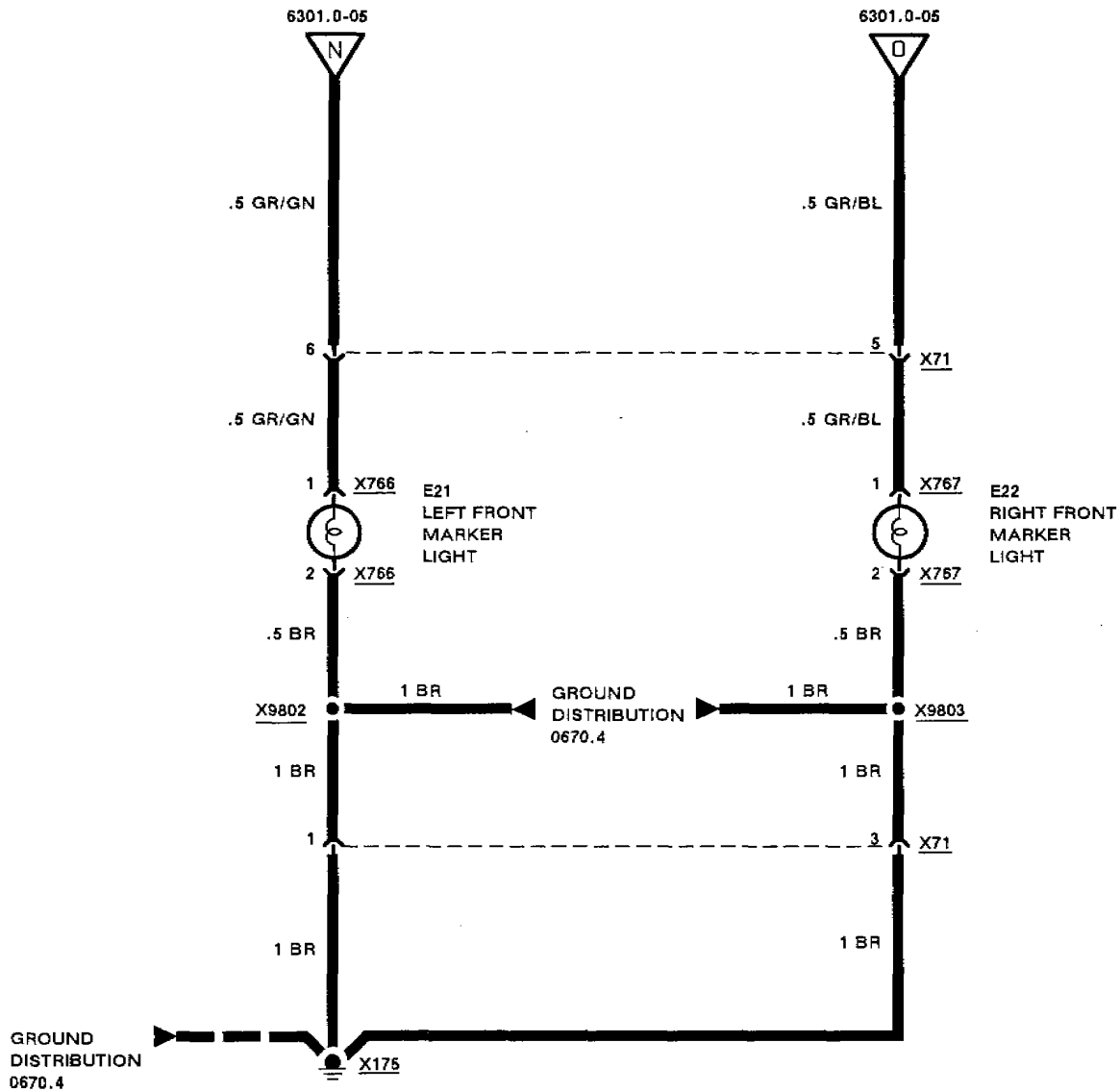
LAMP MONITOR (LKM)

DATA LINK



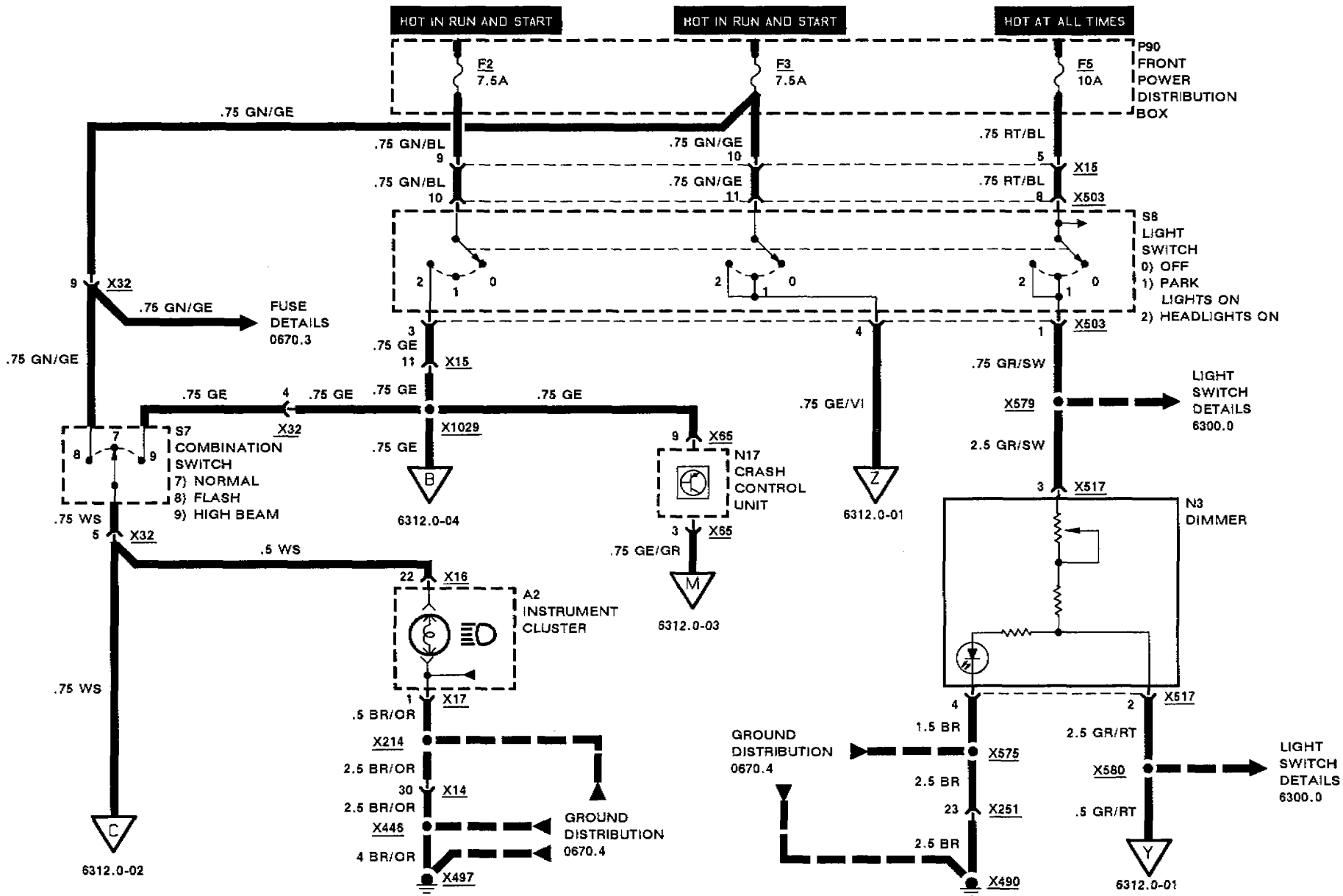
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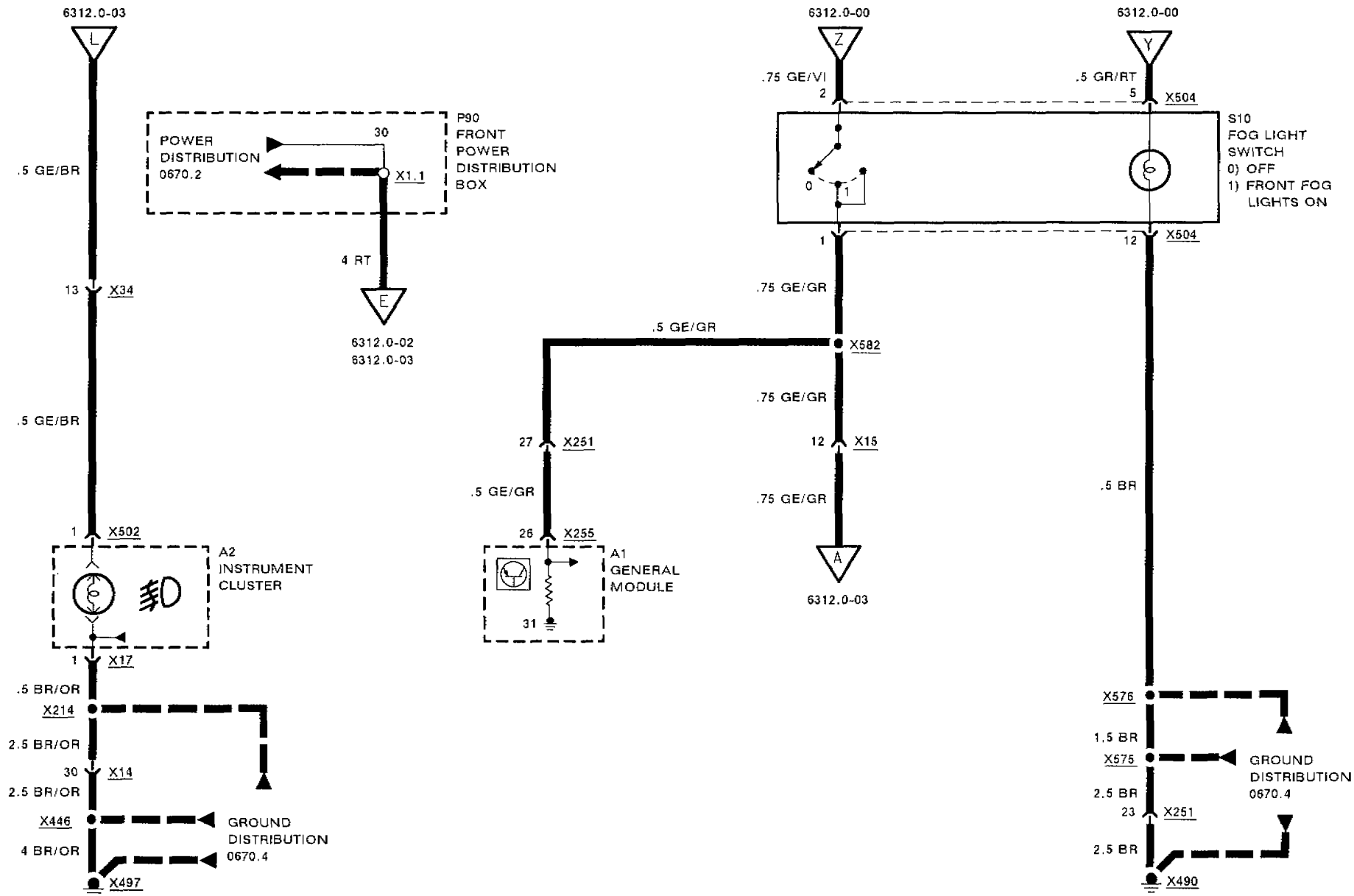
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HEADLIGHTS/ FOG LIGHTS



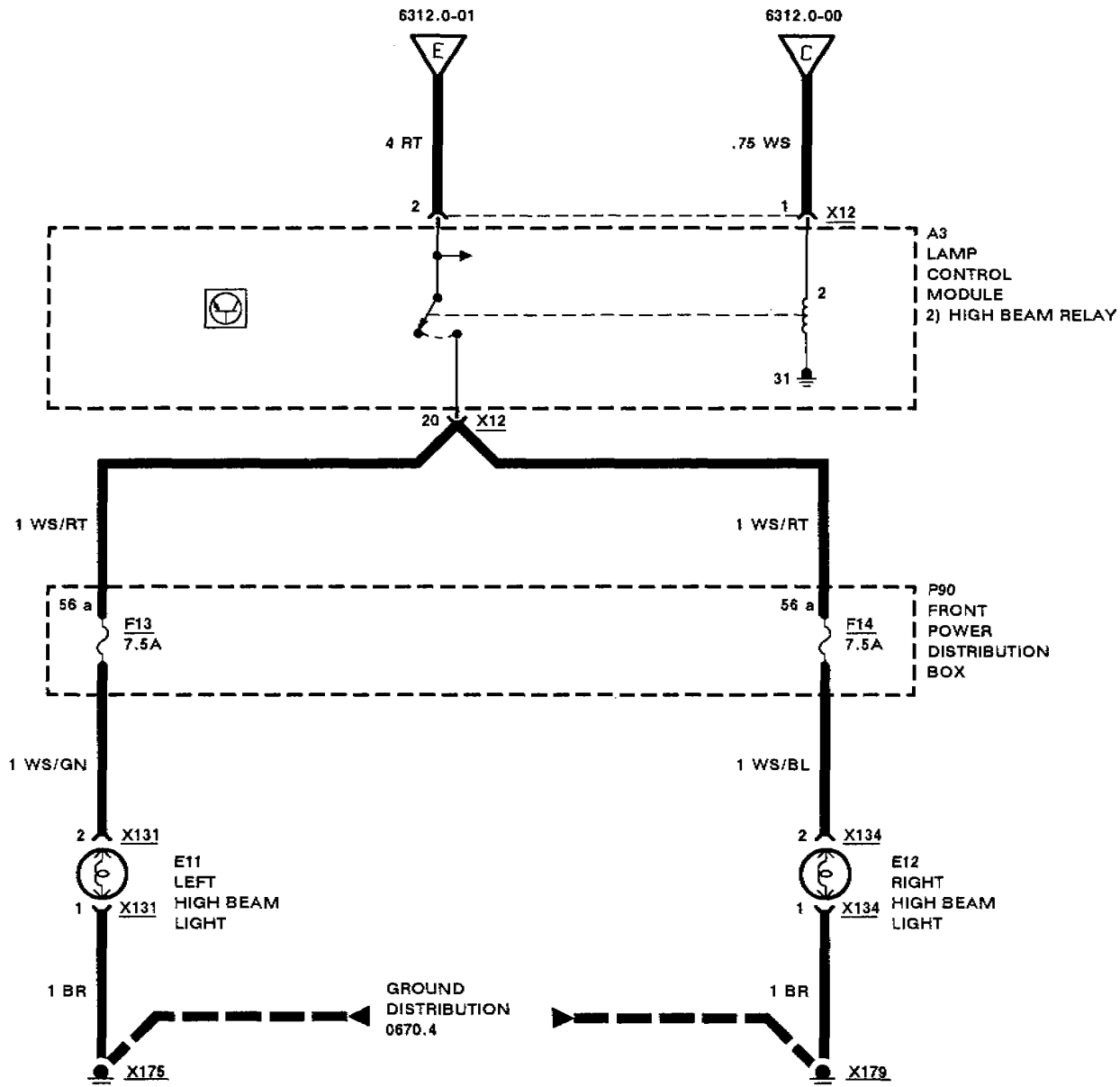
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HEADLIGHTS/ FOG LIGHTS



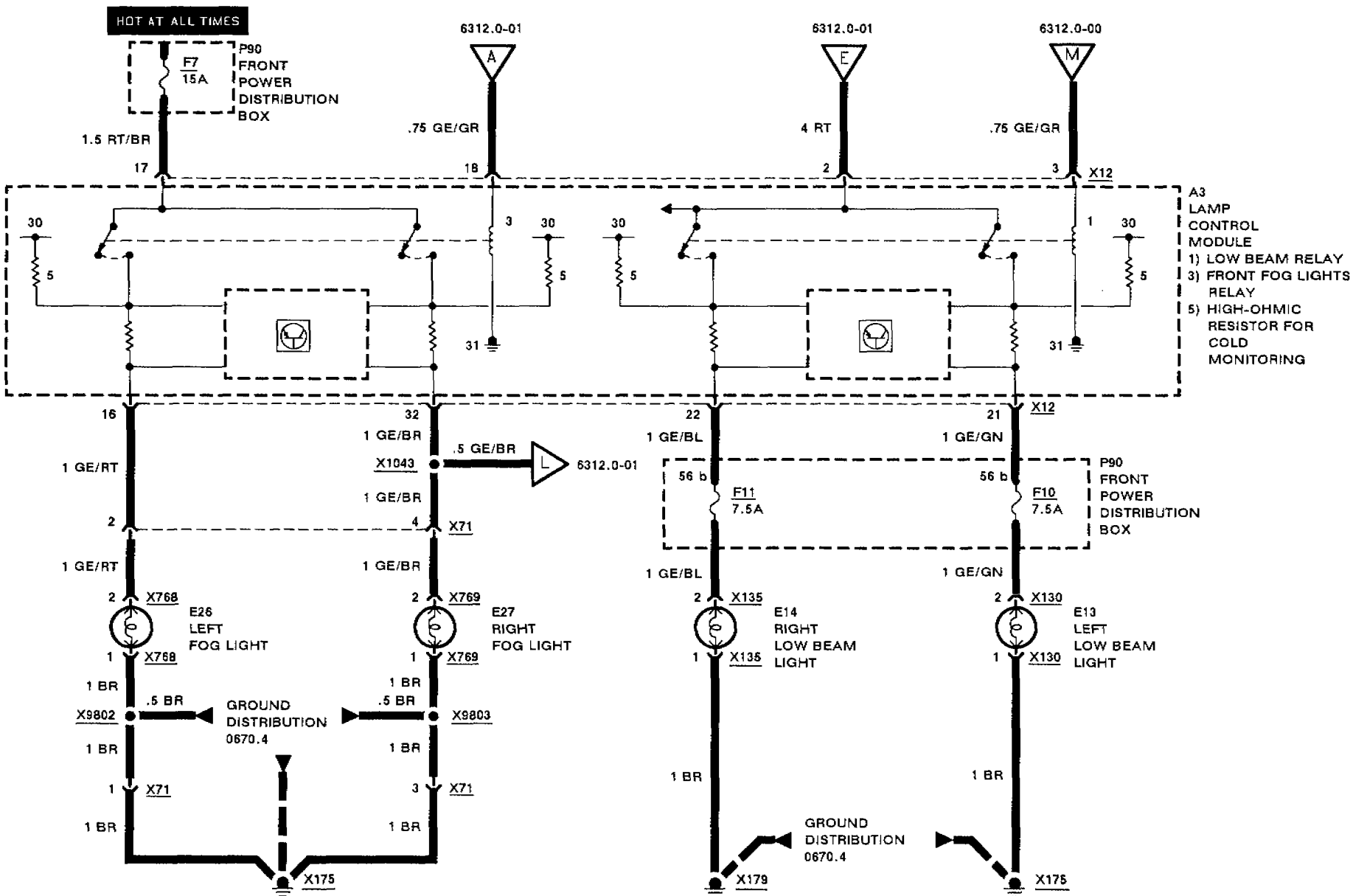
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HEADLIGHTS/ FOG LIGHTS



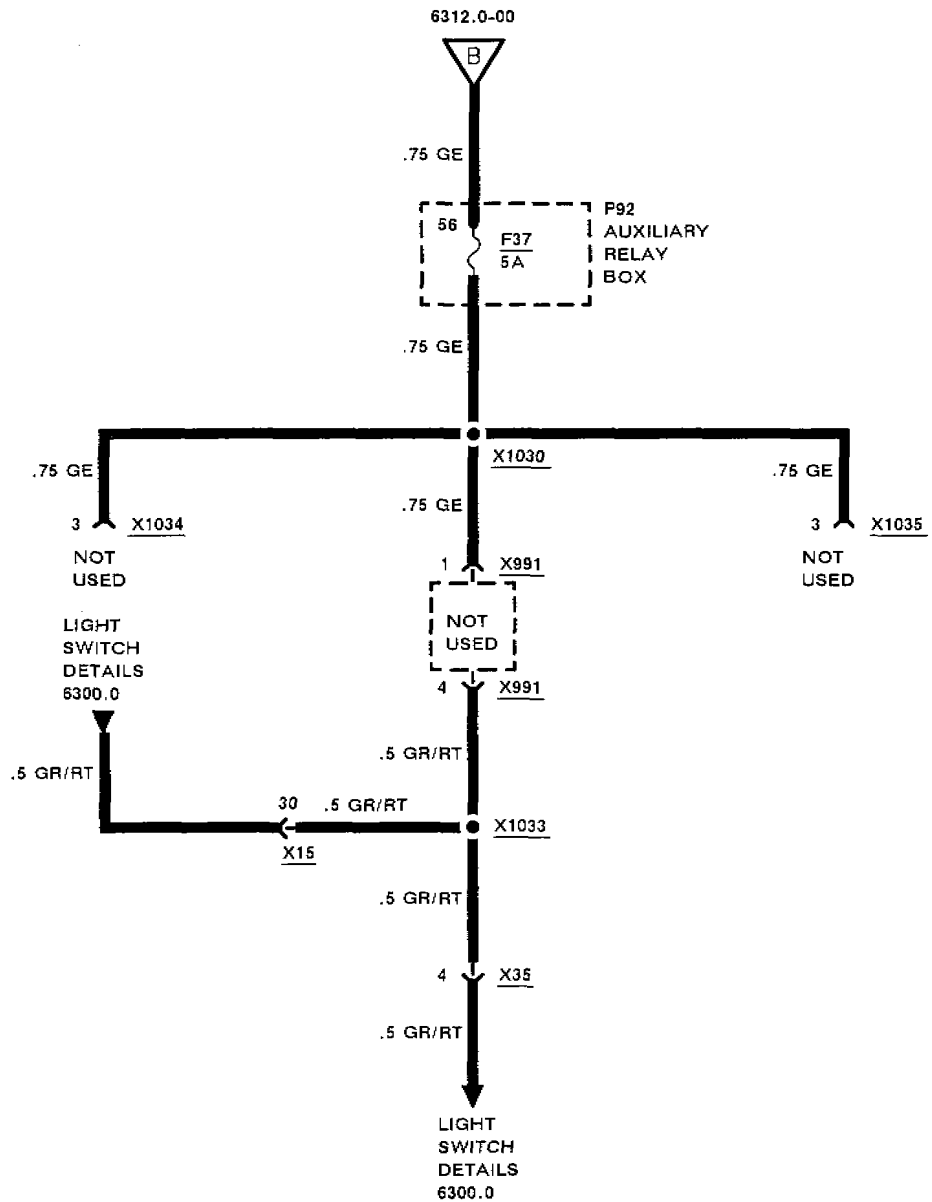
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HEADLIGHTS/ FOG LIGHTS



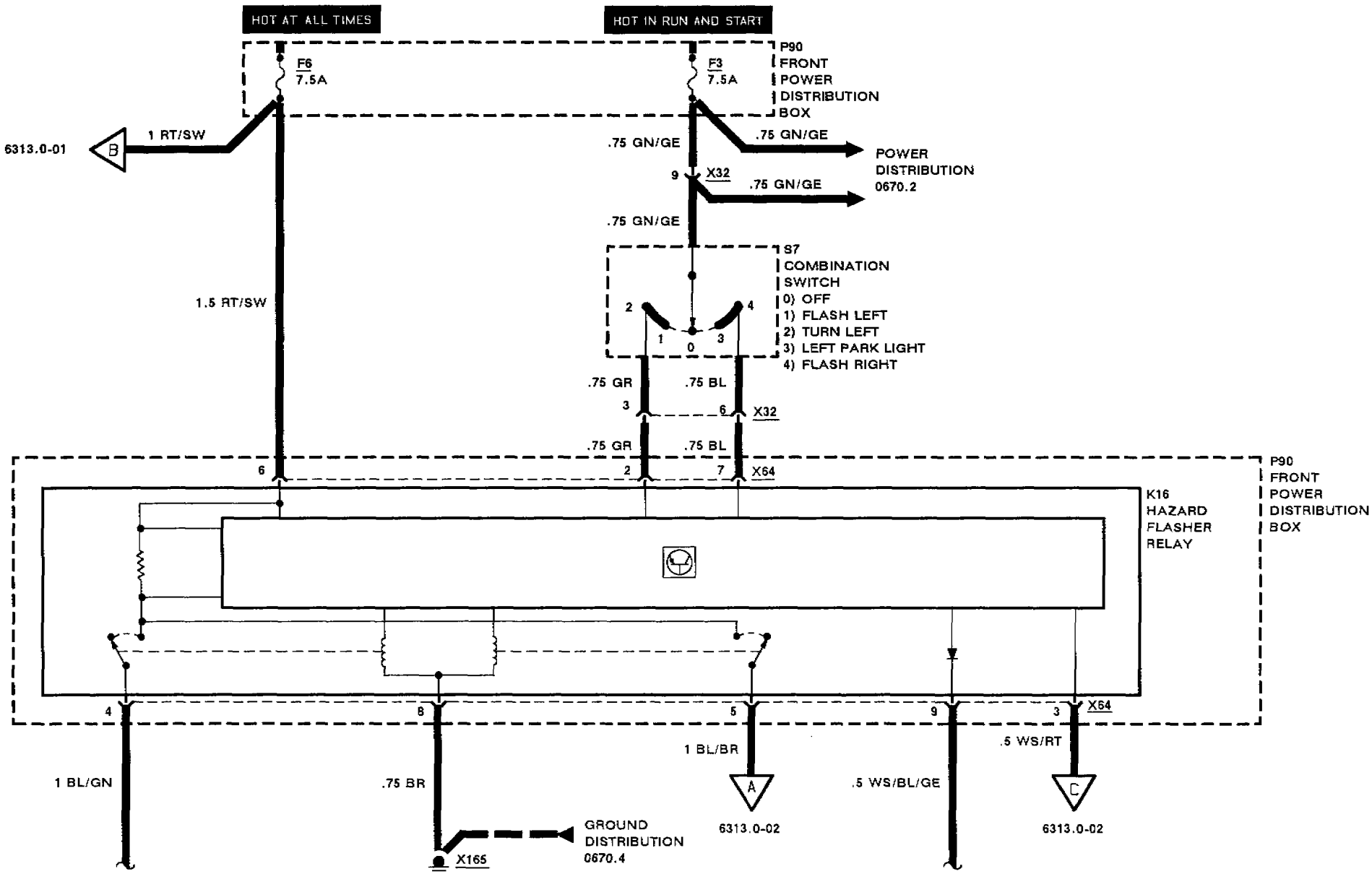
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HEADLIGHTS/ FOG LIGHTS

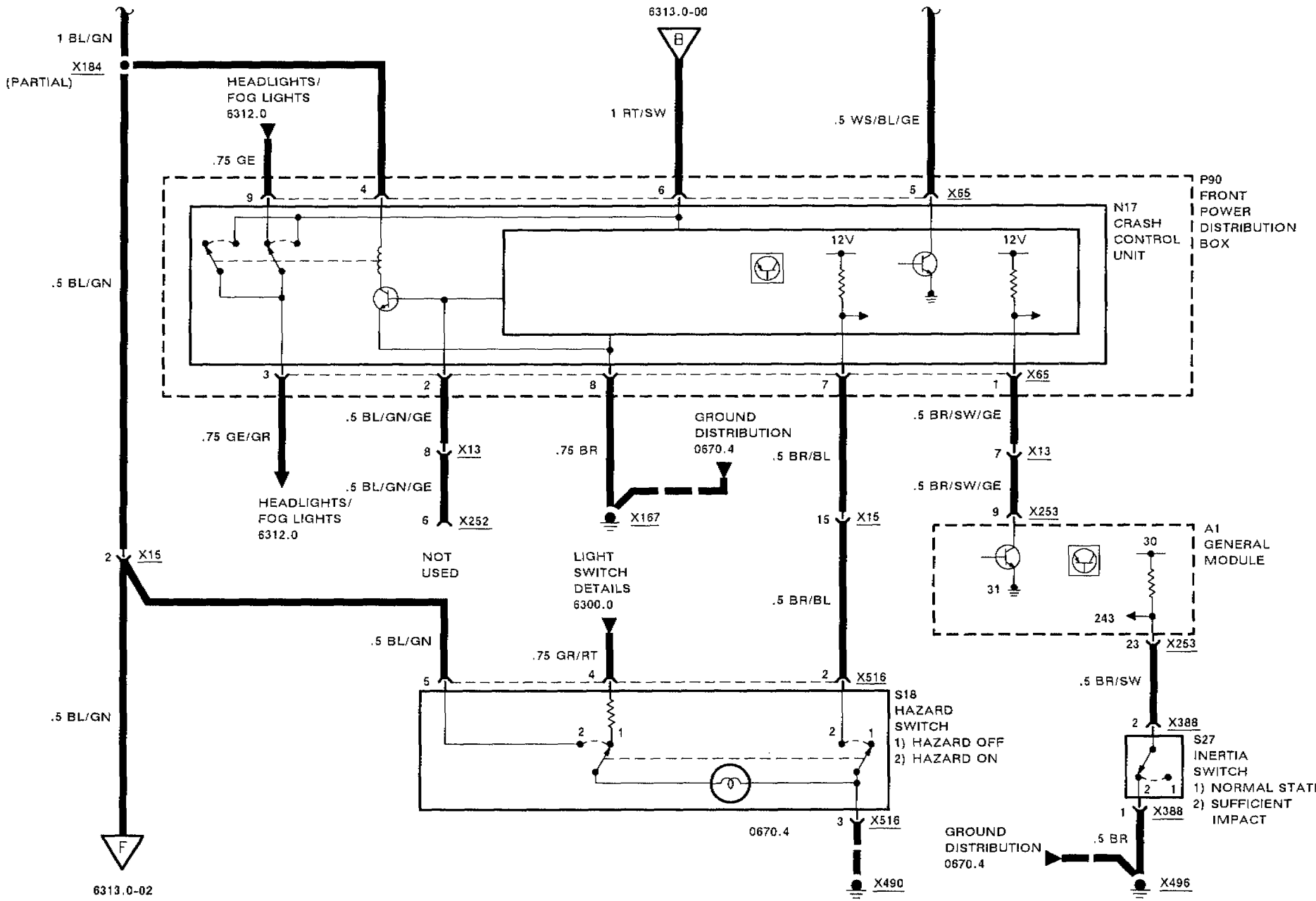


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TURN/ HAZARD LIGHTS

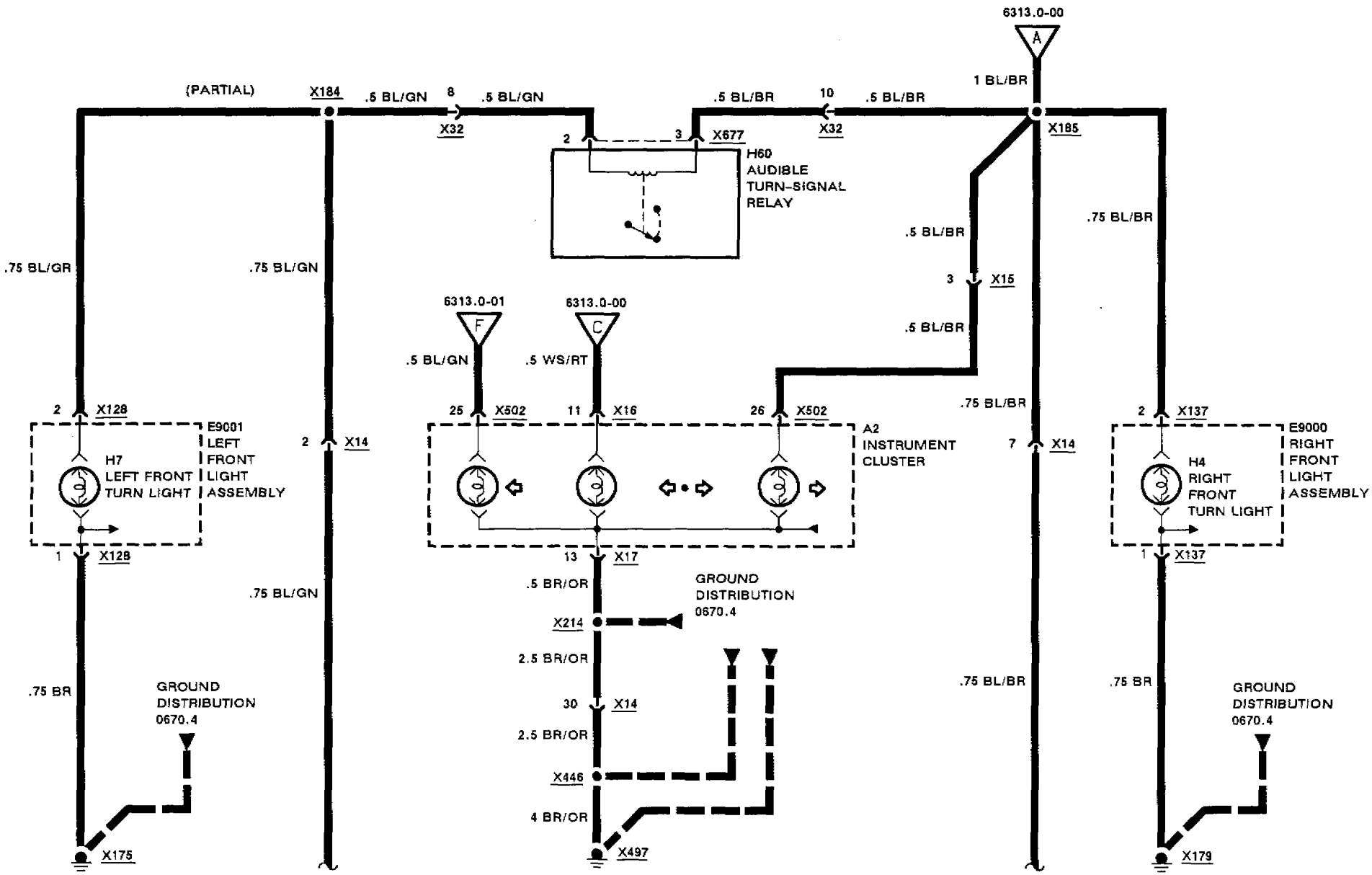


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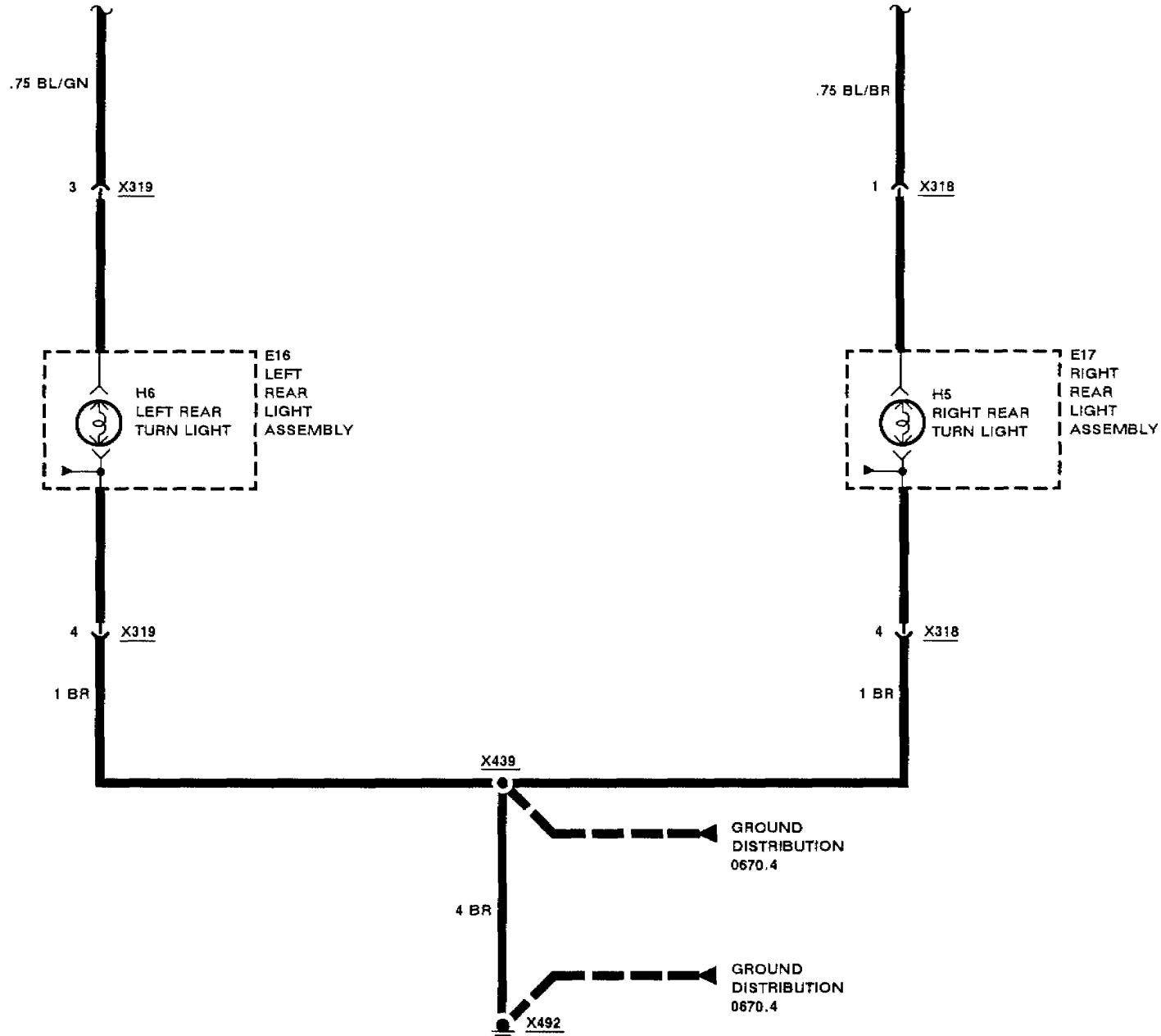


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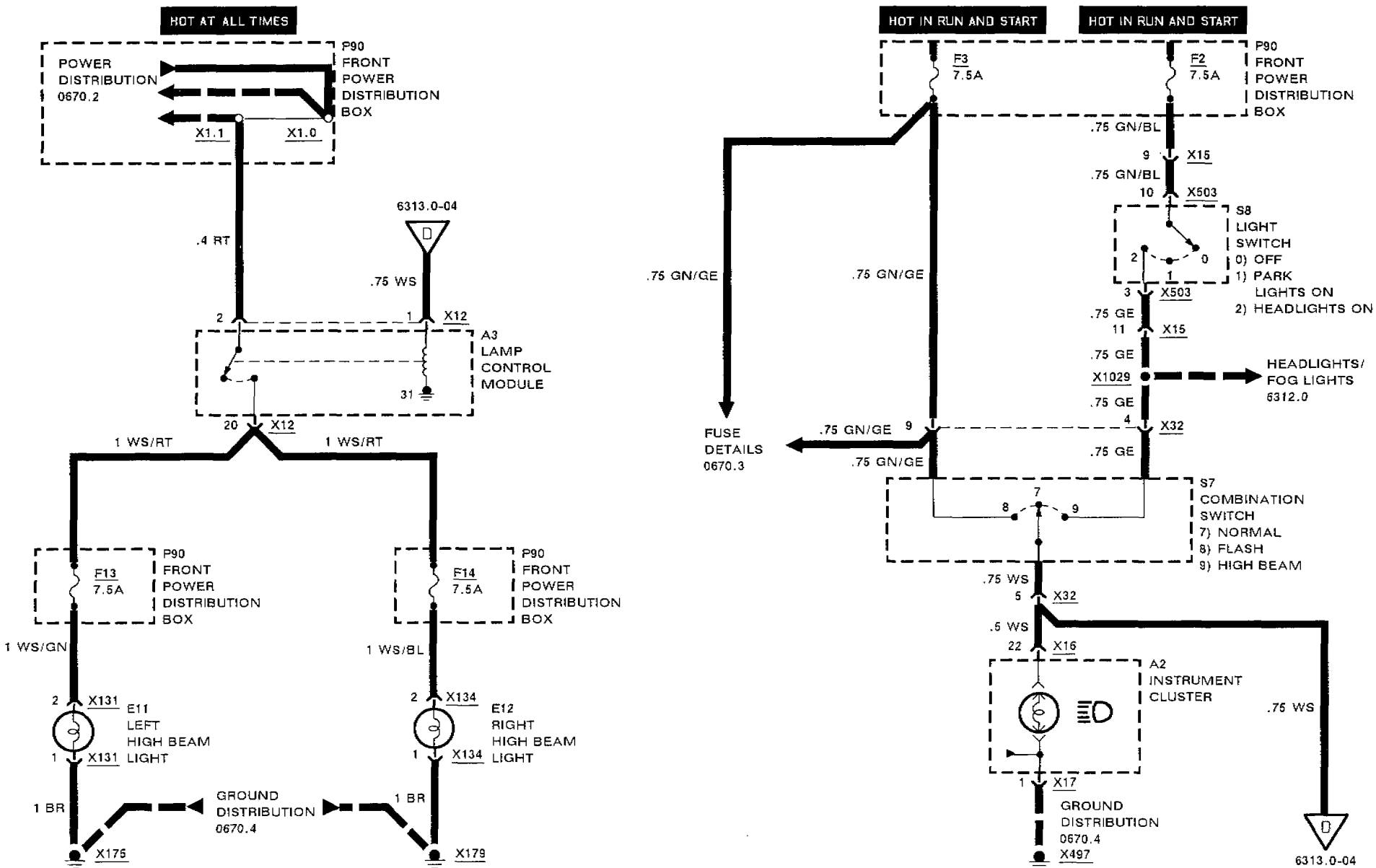


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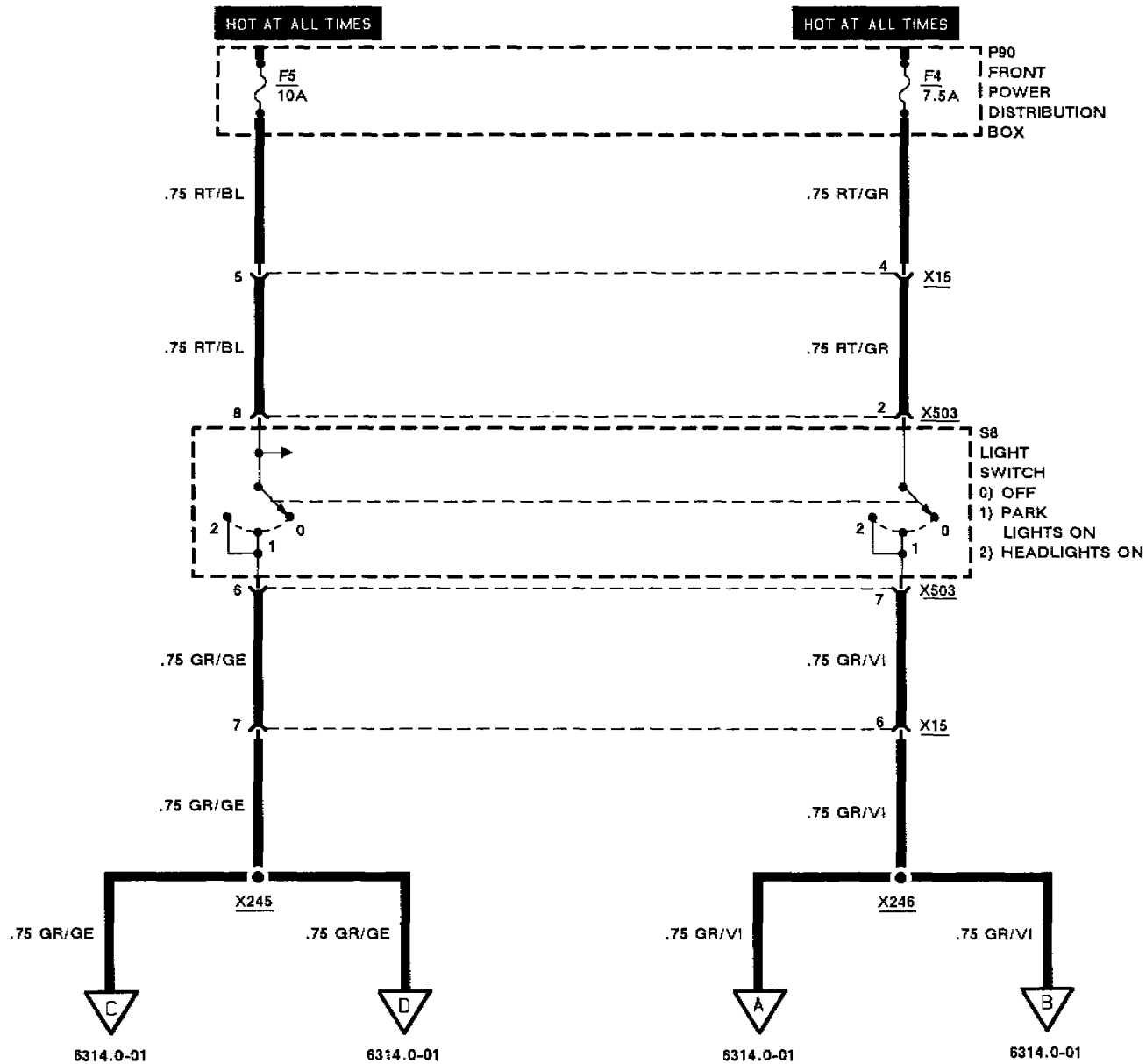
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TURN/ HAZARD LIGHTS



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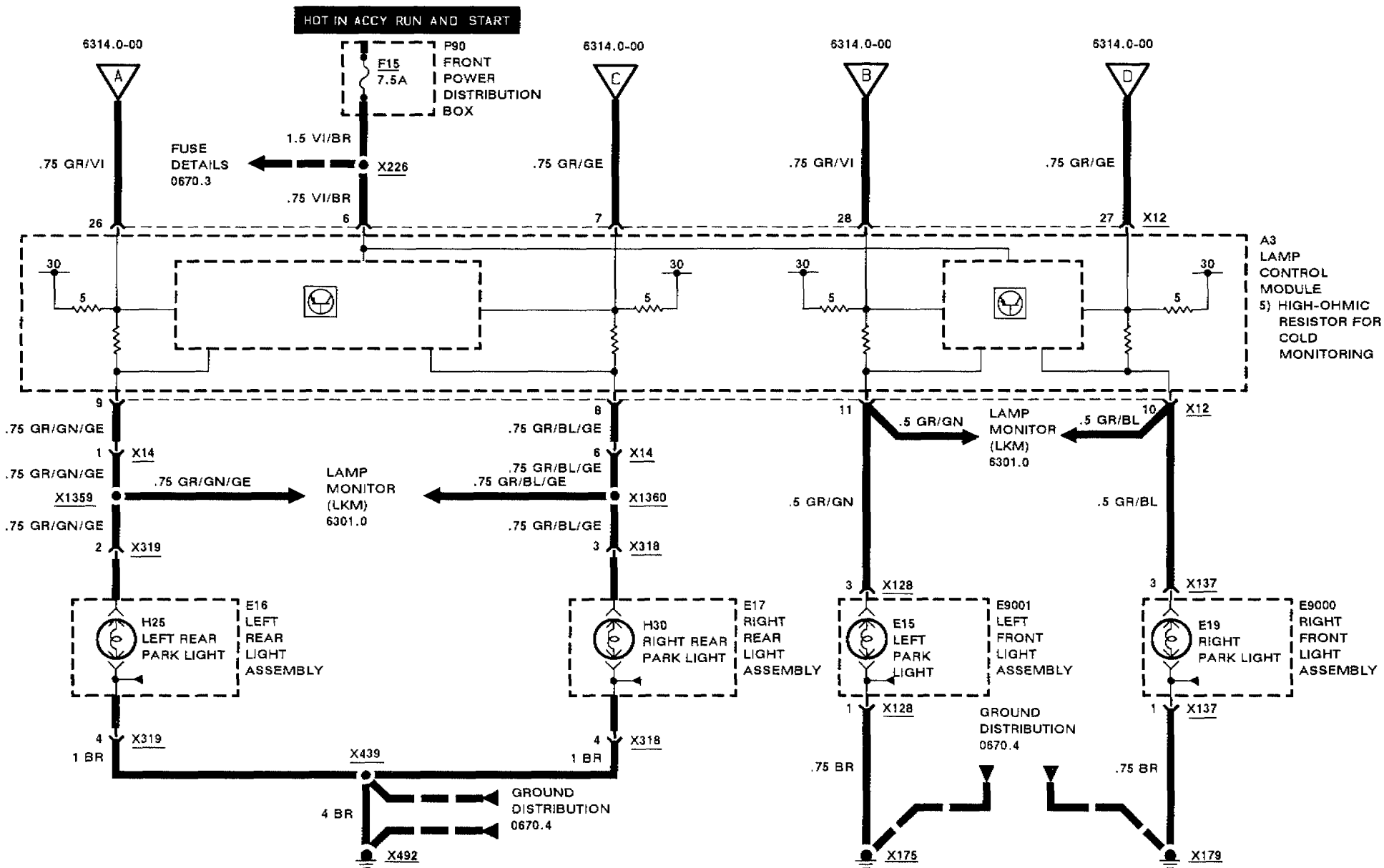
PARK/ TAIL/ UNDERHOOD LIGHTS



source: www.ow.no

PARK/ TAIL/ UNDERHOOD LIGHTS

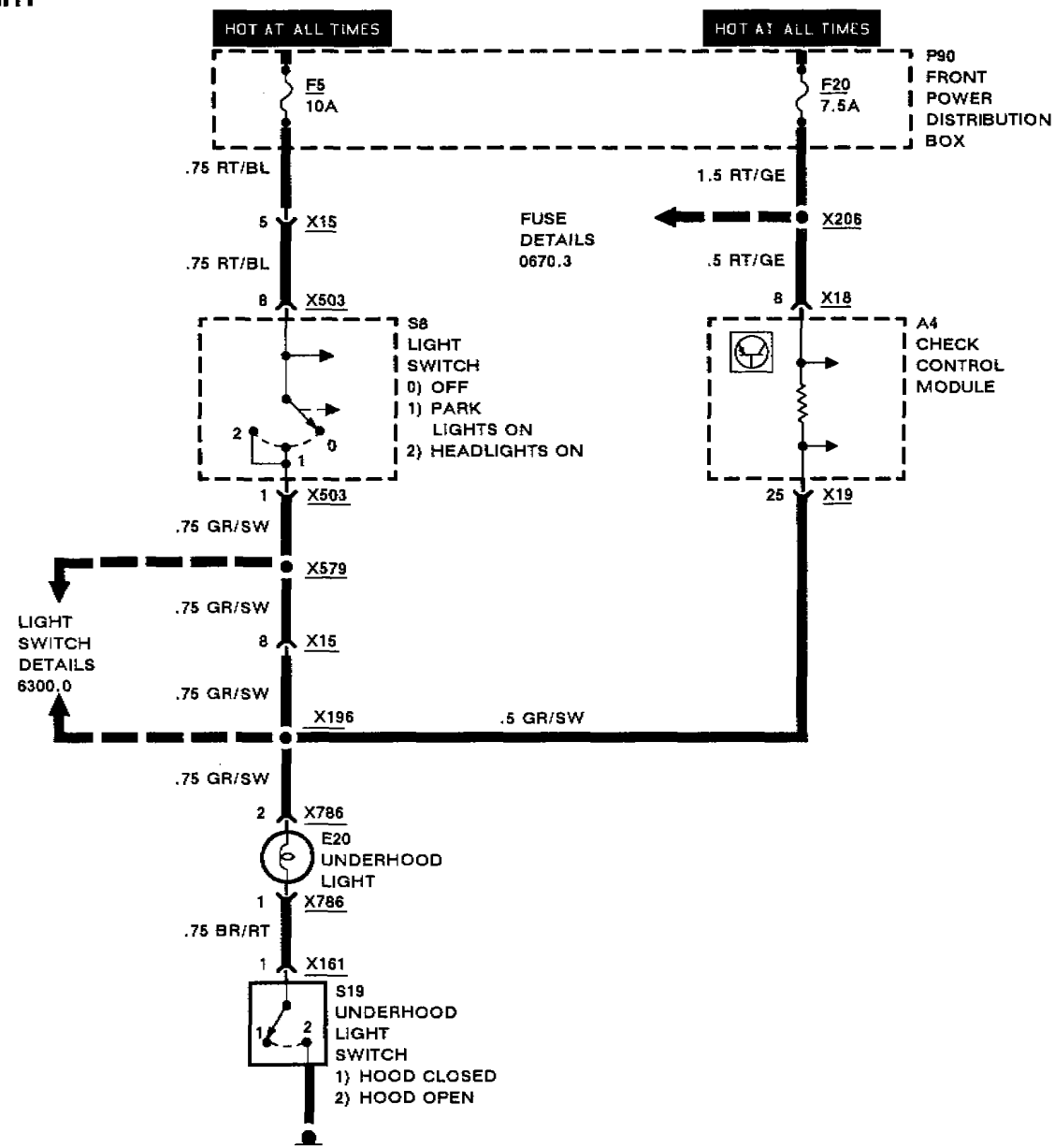
FRONT AND REAR PARK LIGHTS



source: www.ow.no

PARK/ TAIL/ UNDERHOOD LIGHTS

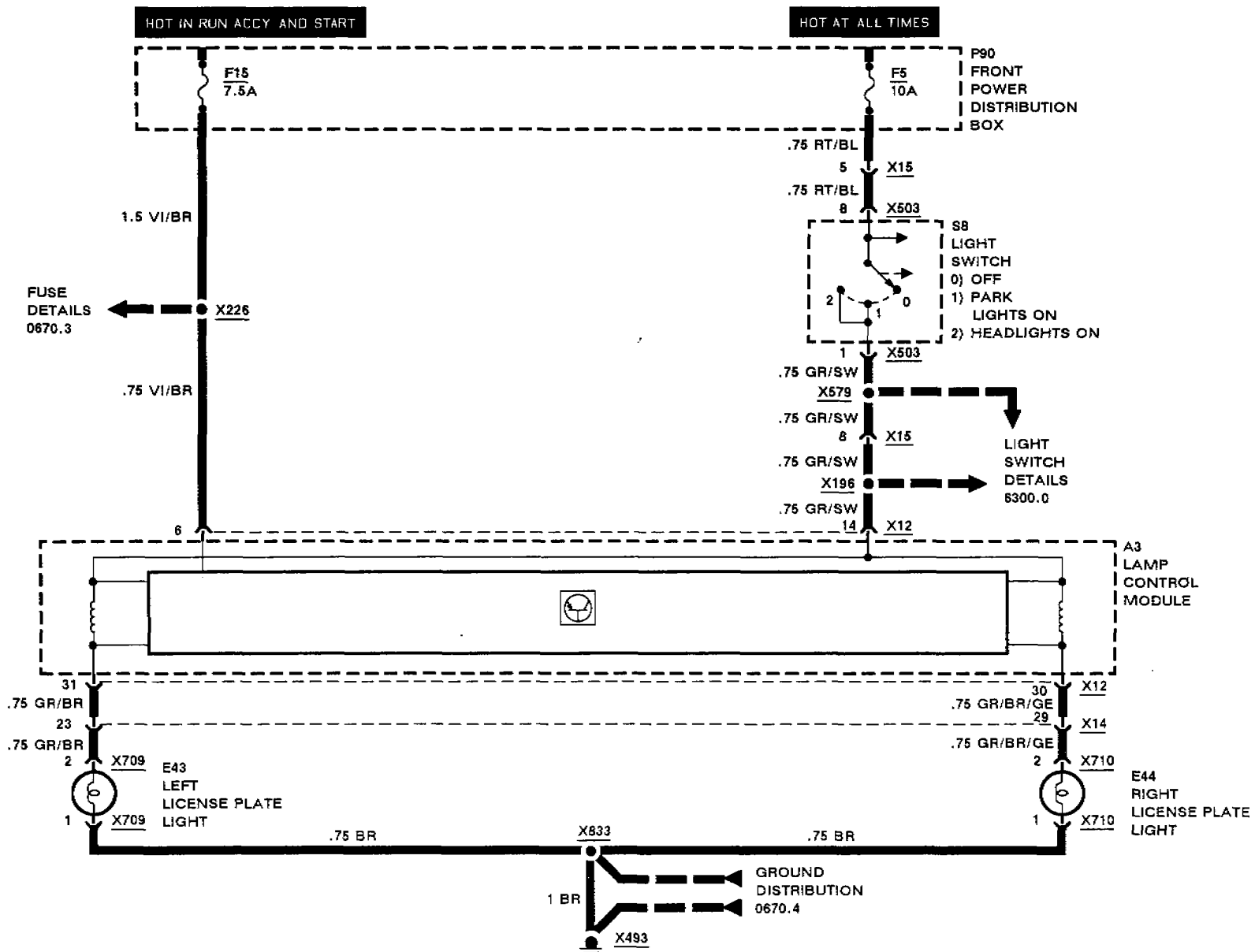
UNDERHOOD LIGHT



source: www.ow.no

LICENSE/ TRUNK LIGHTS

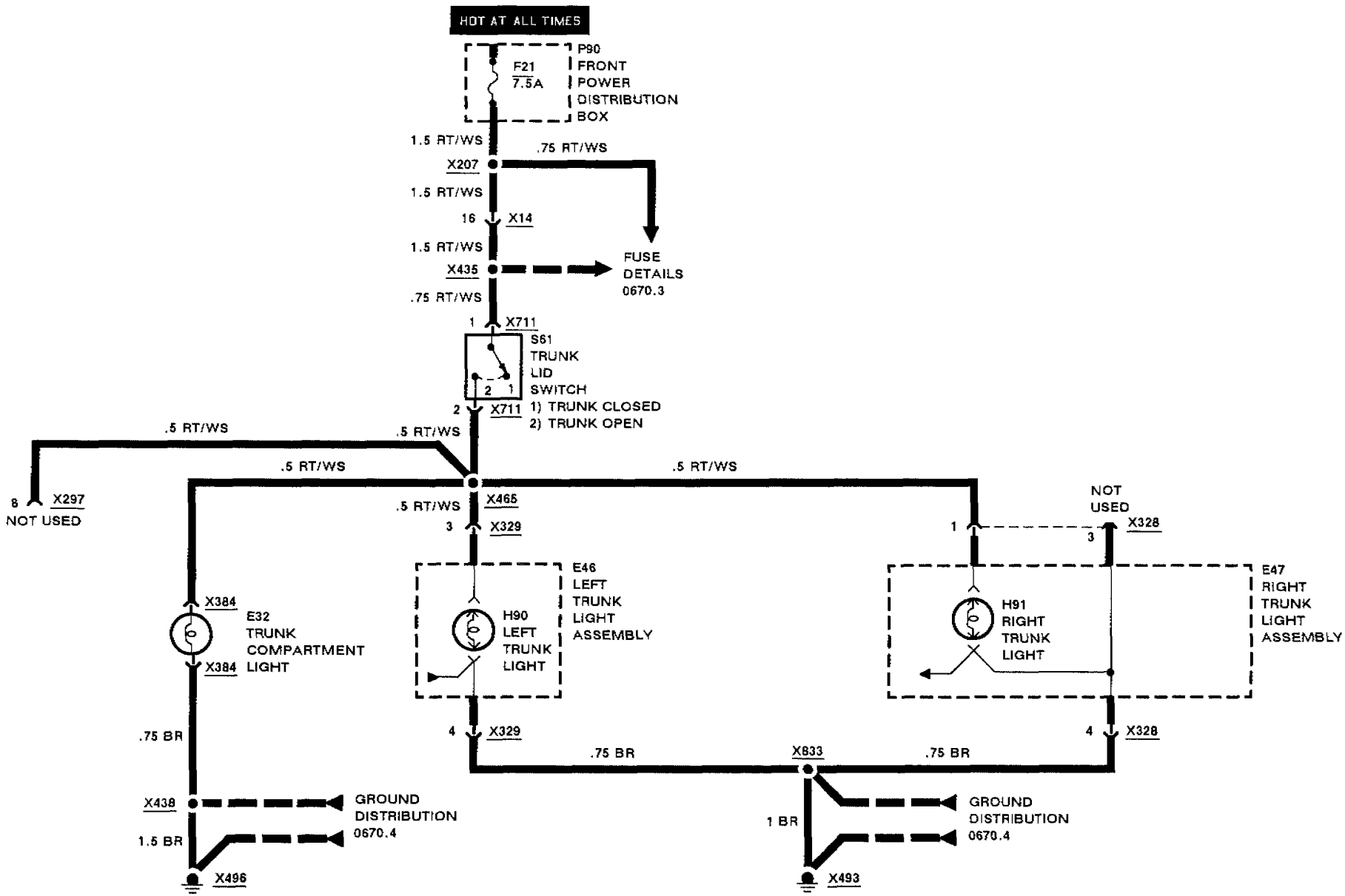
LICENSE LIGHTS



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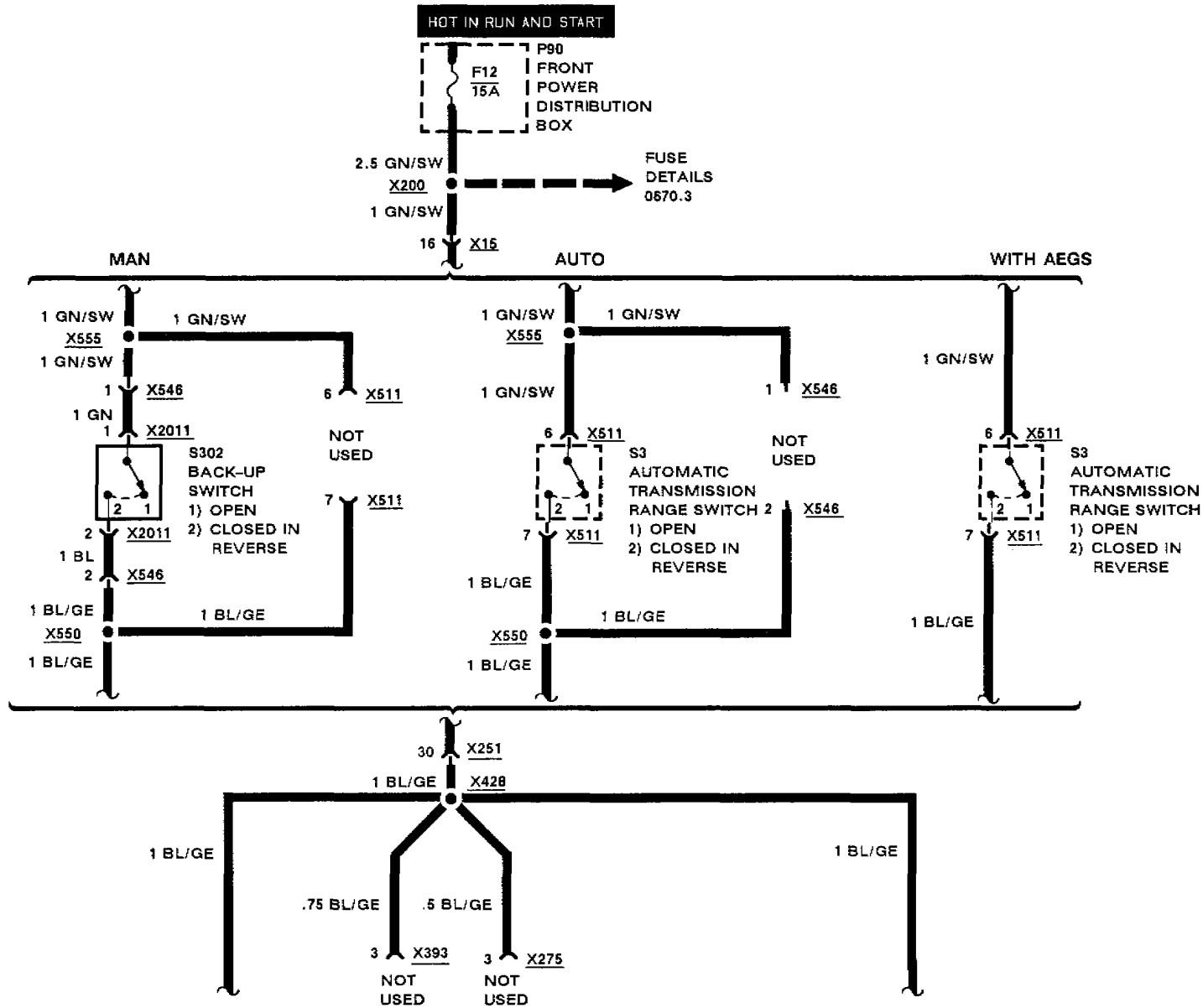
LICENSE/ TRUNK LIGHTS

TRUNK LIGHTS

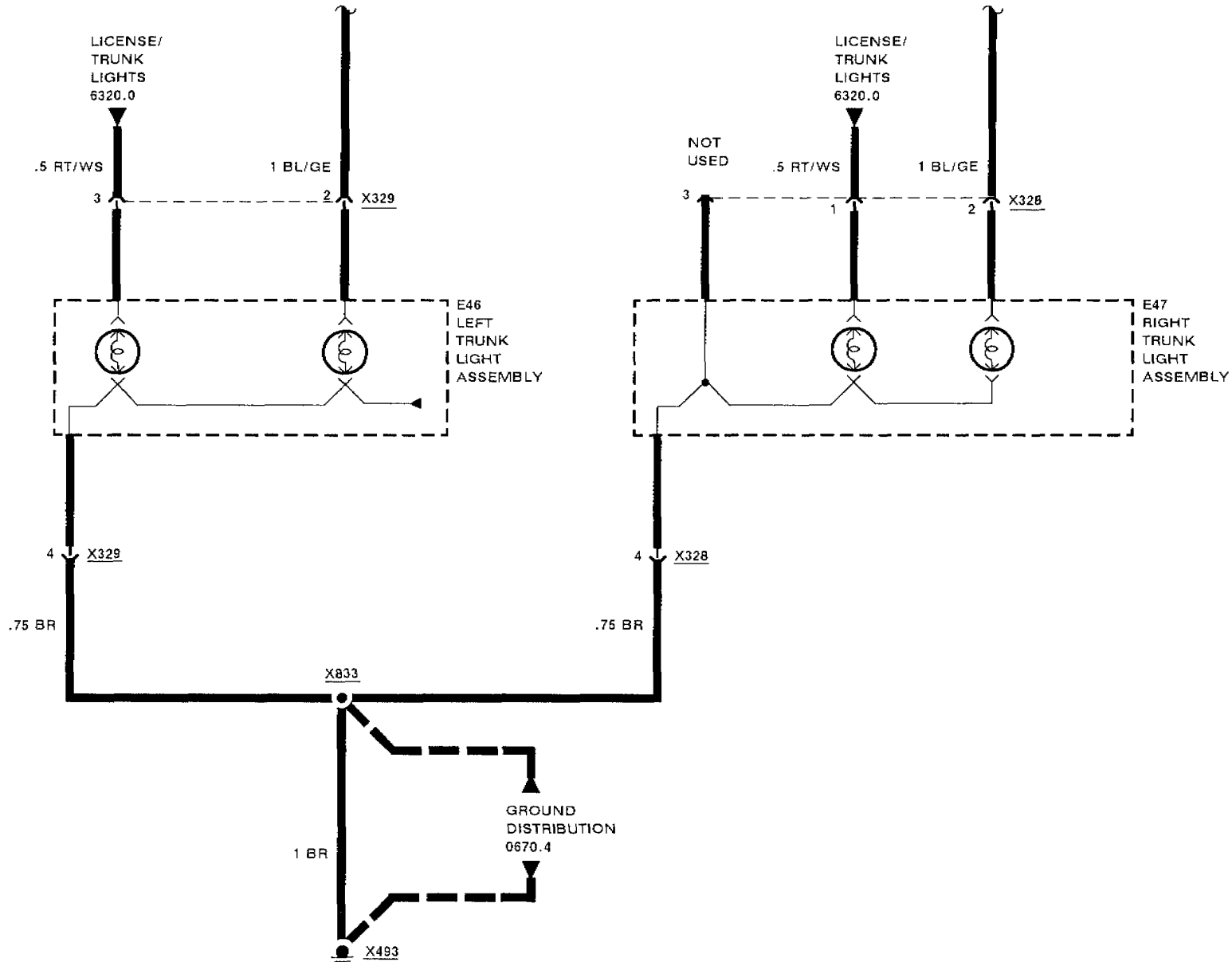


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BACK UP LIGHTS

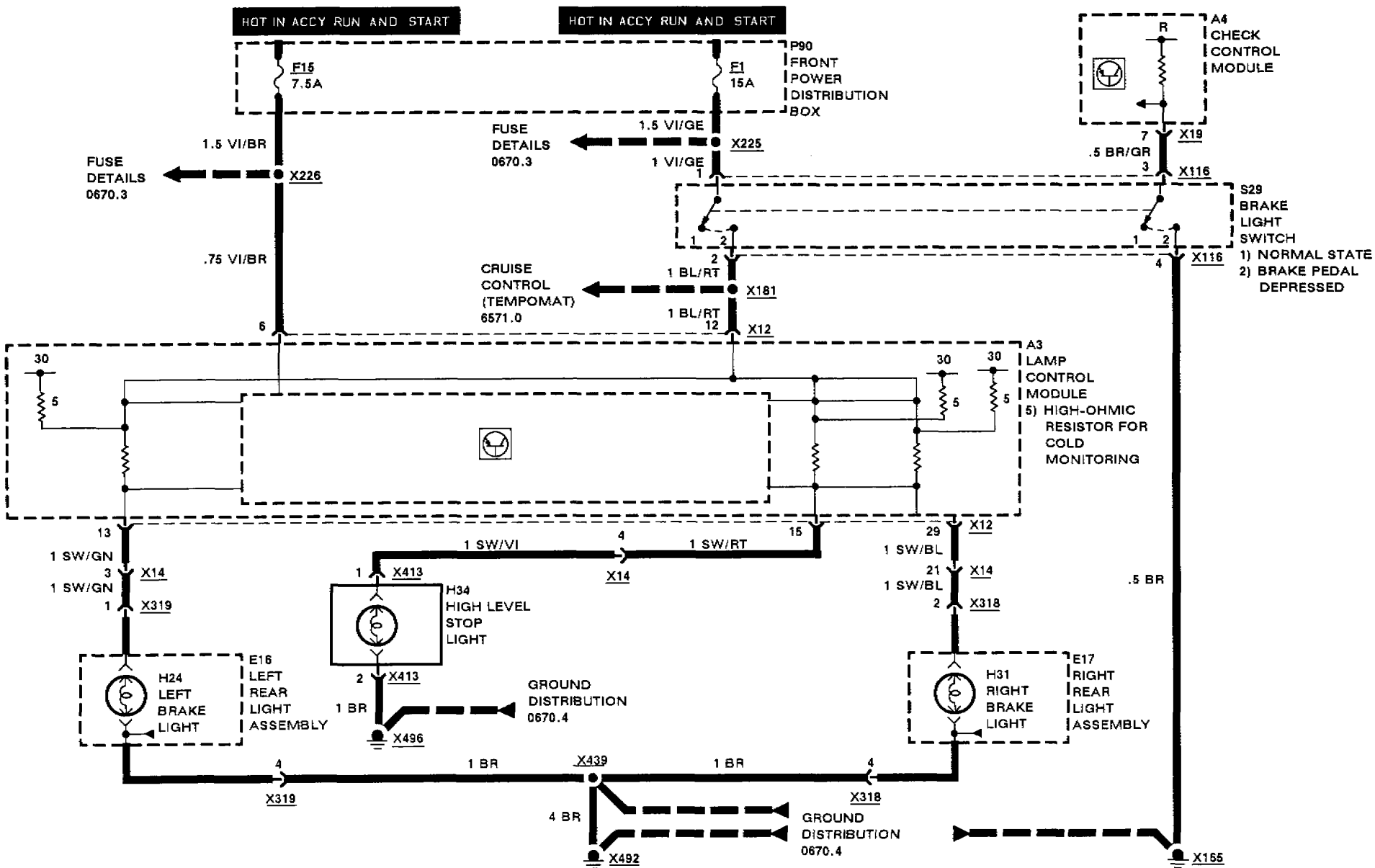


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source: www.ow.no

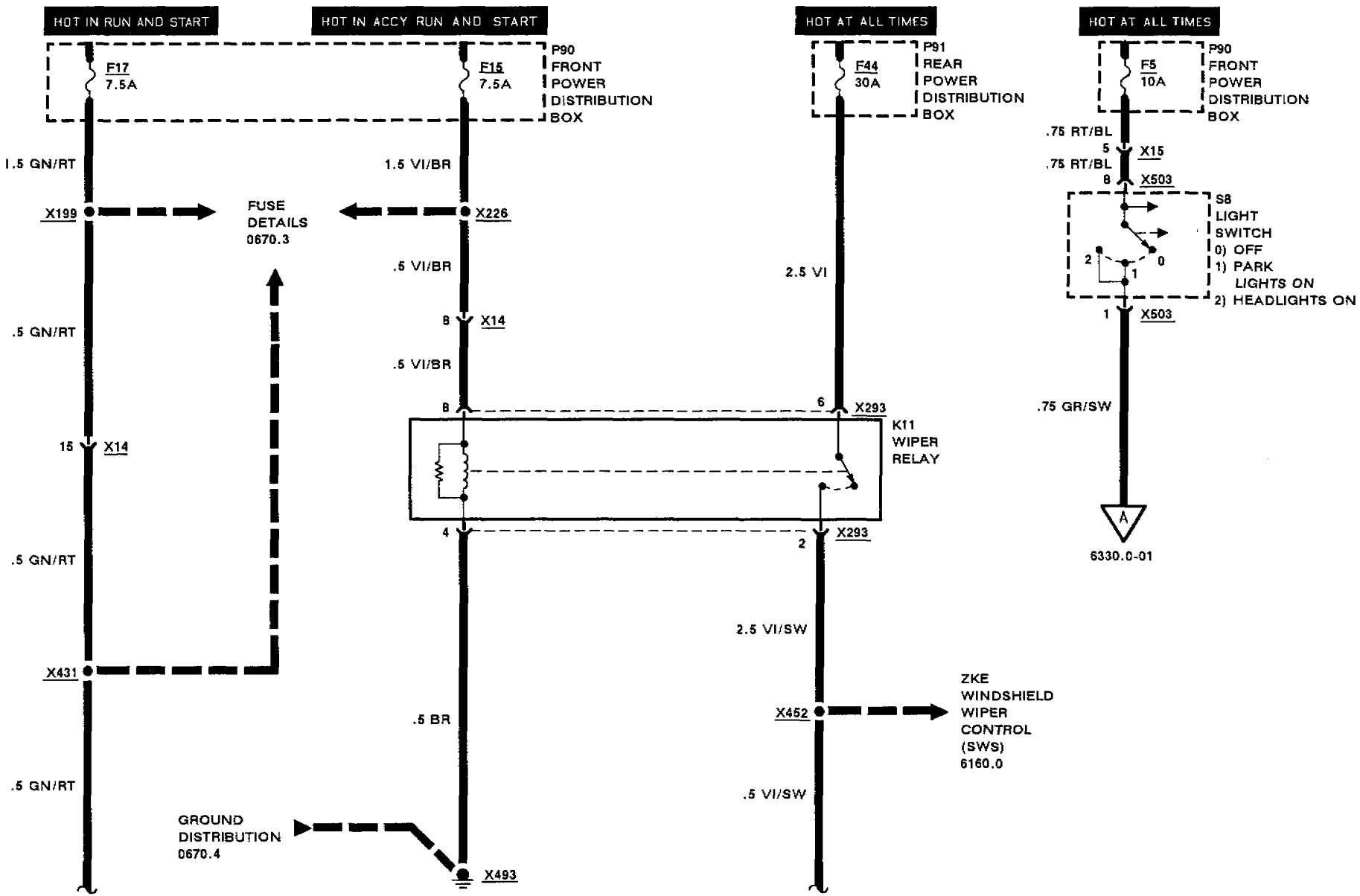
BRAKE LIGHTS



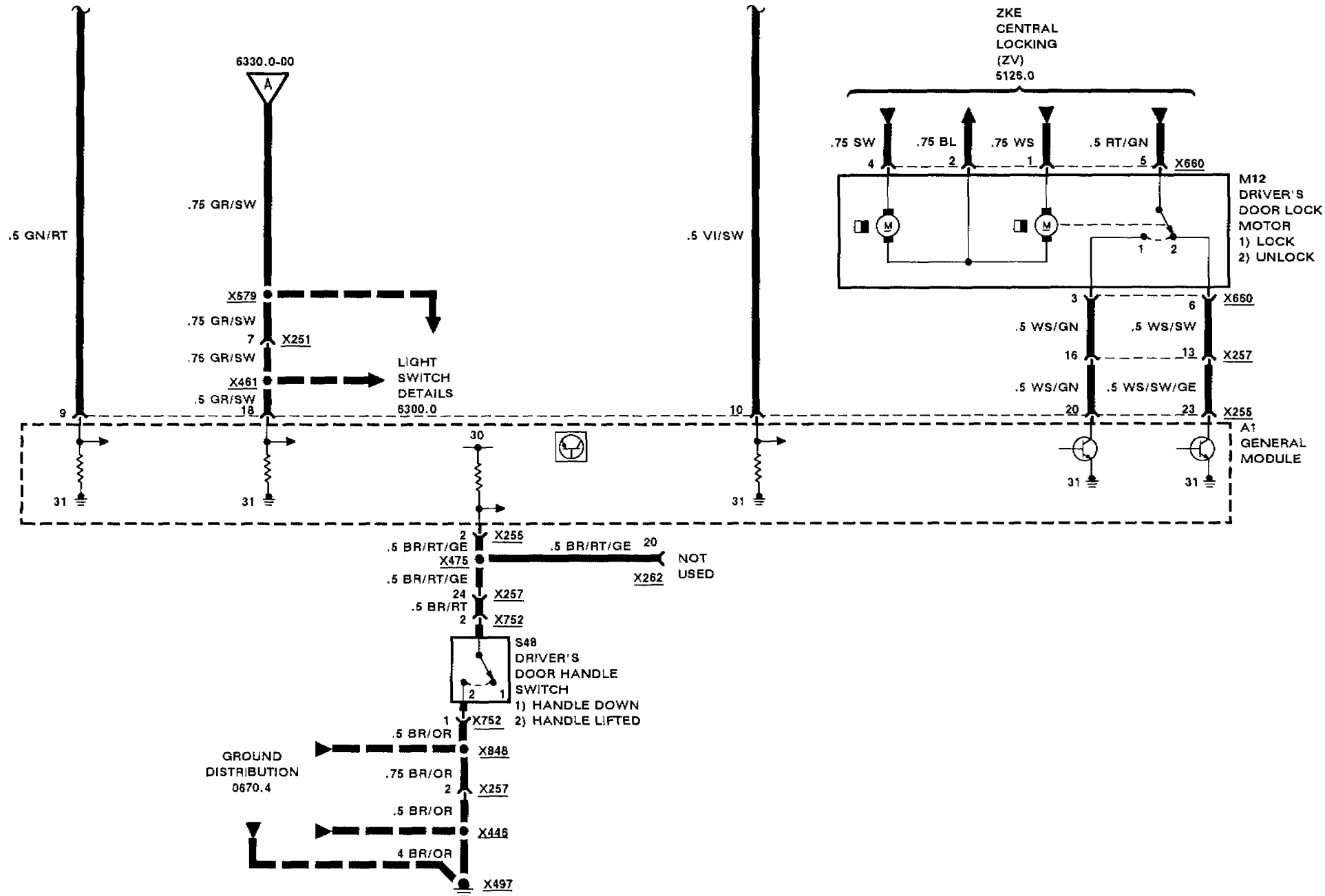
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ZKE INTERIOR LIGHTS (IB)

INPUT DETAILS



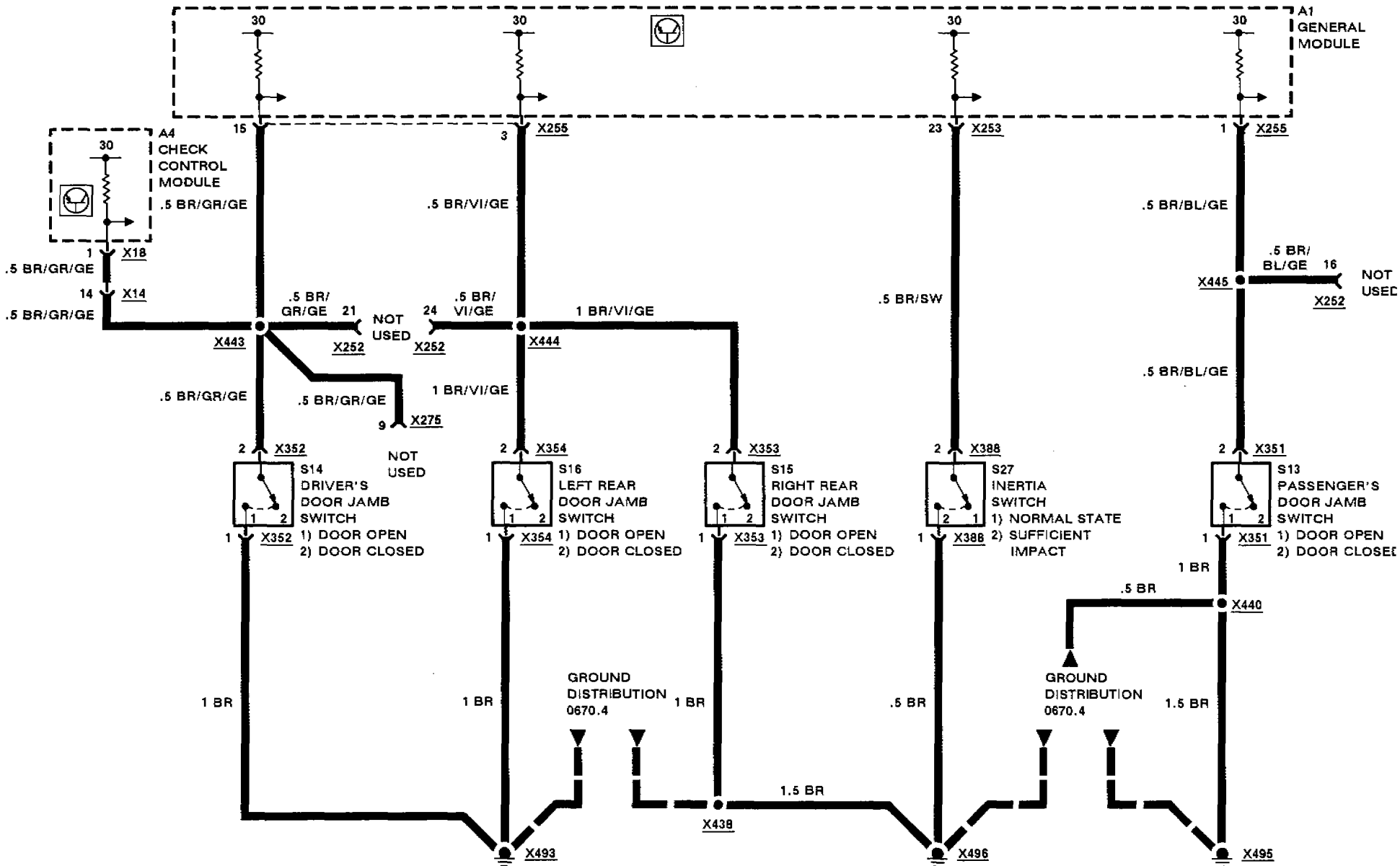
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source: www.ow.no

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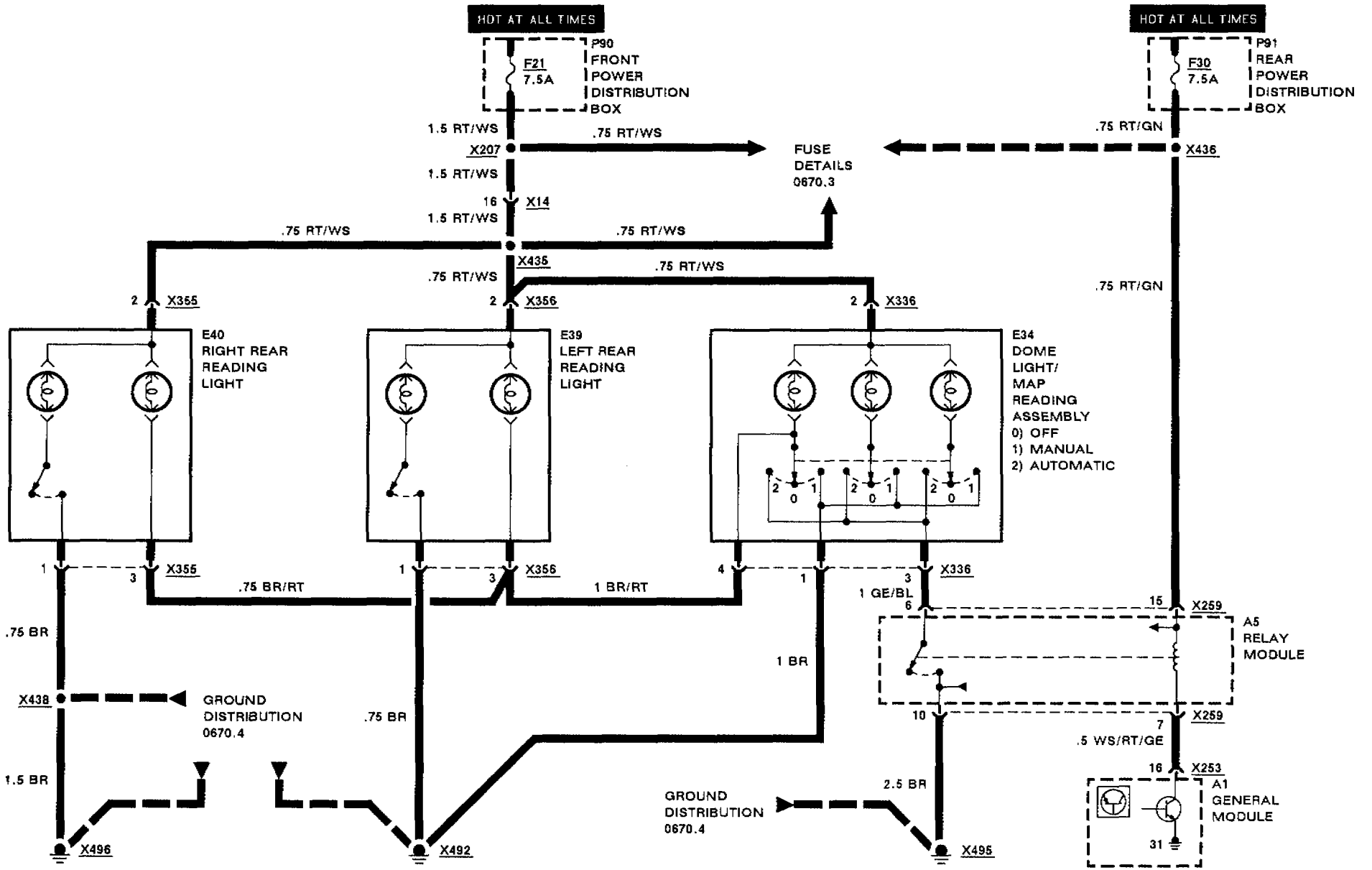
INPUT DETAILS



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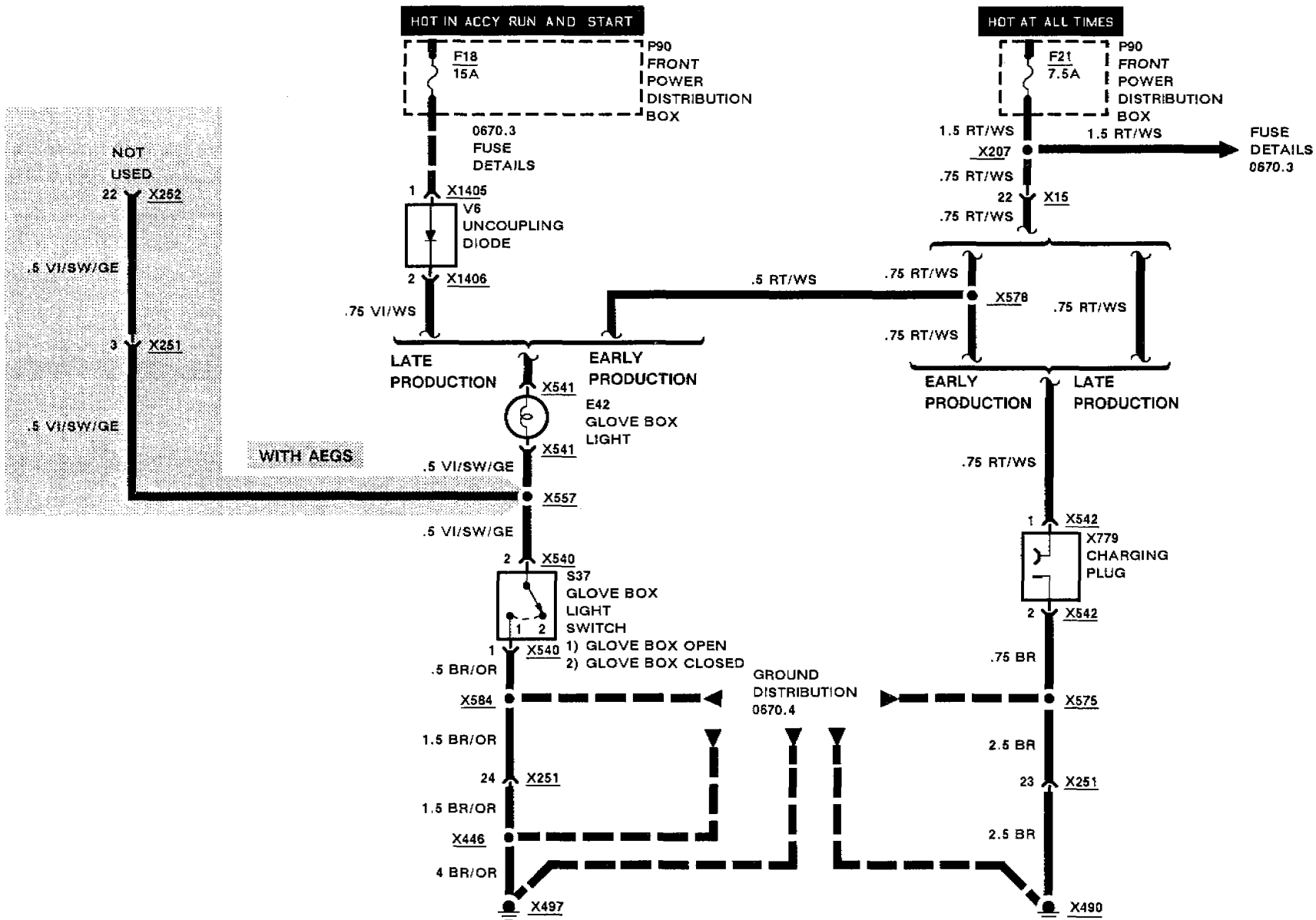
ZKE INTERIOR LIGHTS (IB)

OUTPUT DETAILS



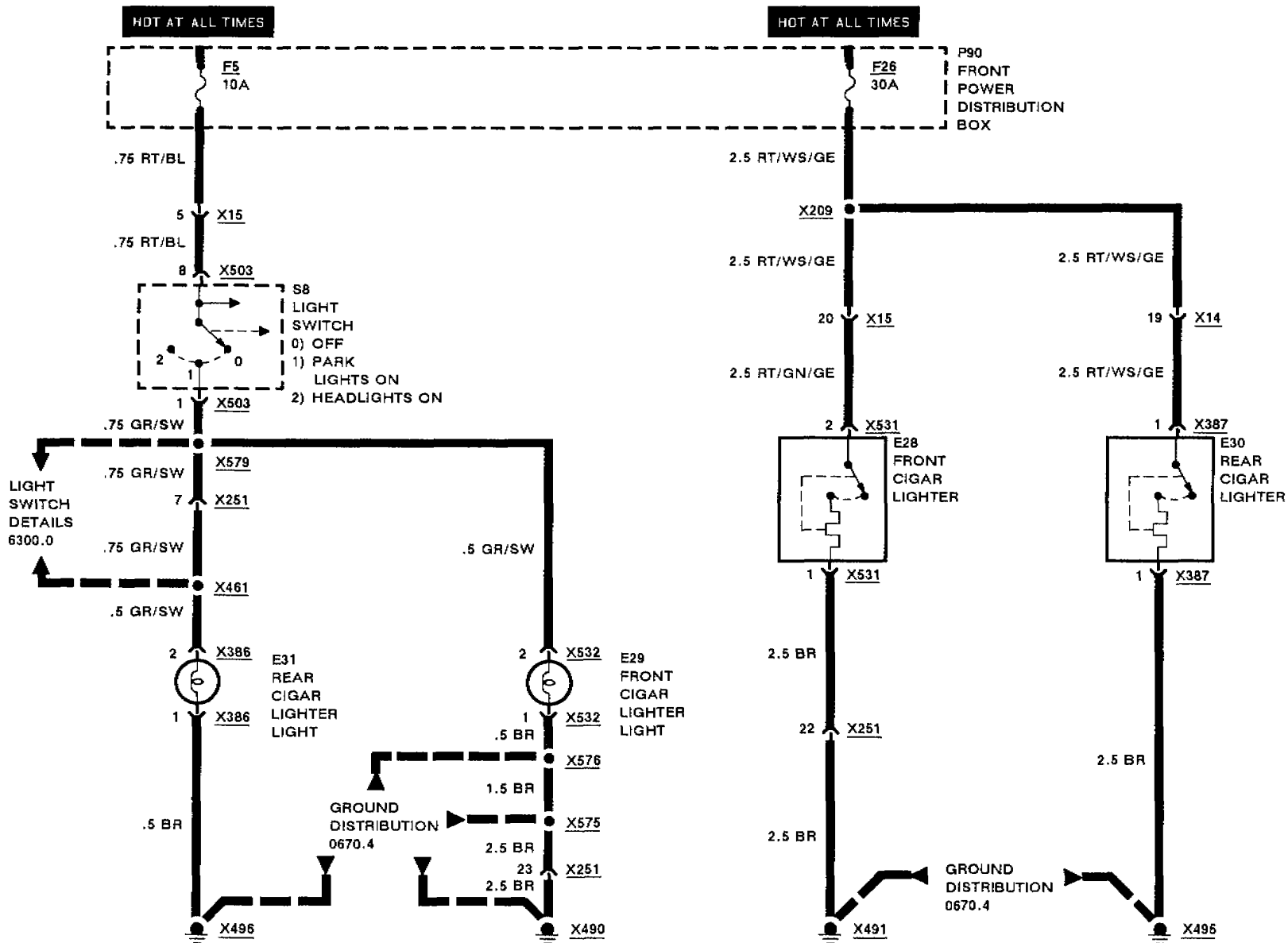
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GLOVE BOX LIGHT/ CIGAR LIGHTER/ CHARGING PLUG



source: www.ow.no

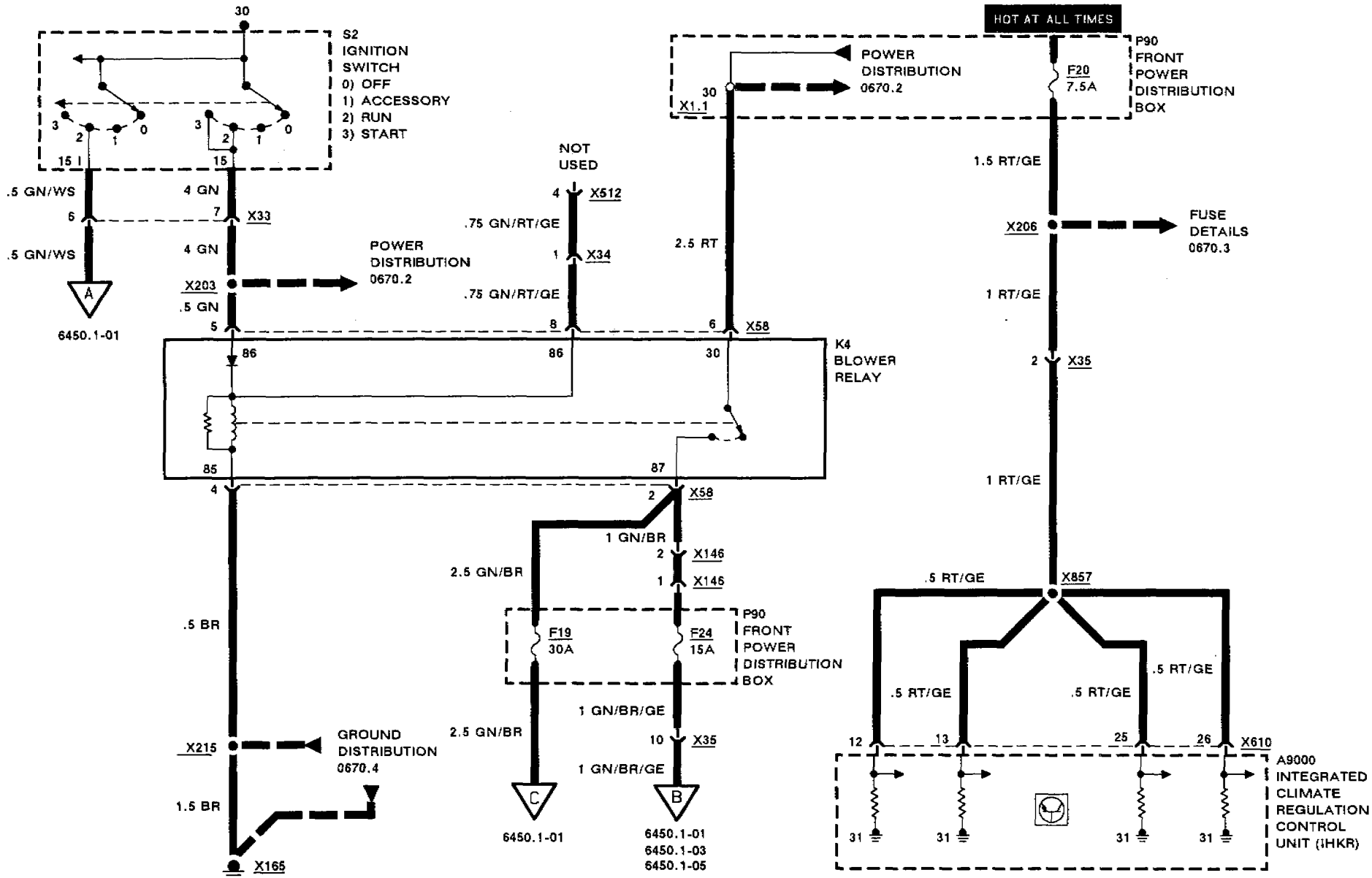
GLOVE BOX LIGHT/ CIGAR LIGHTER/ CHARGING PLUG



source: www.ow.no

INTEGRATED CLIMATE REGULATION (IHKR)

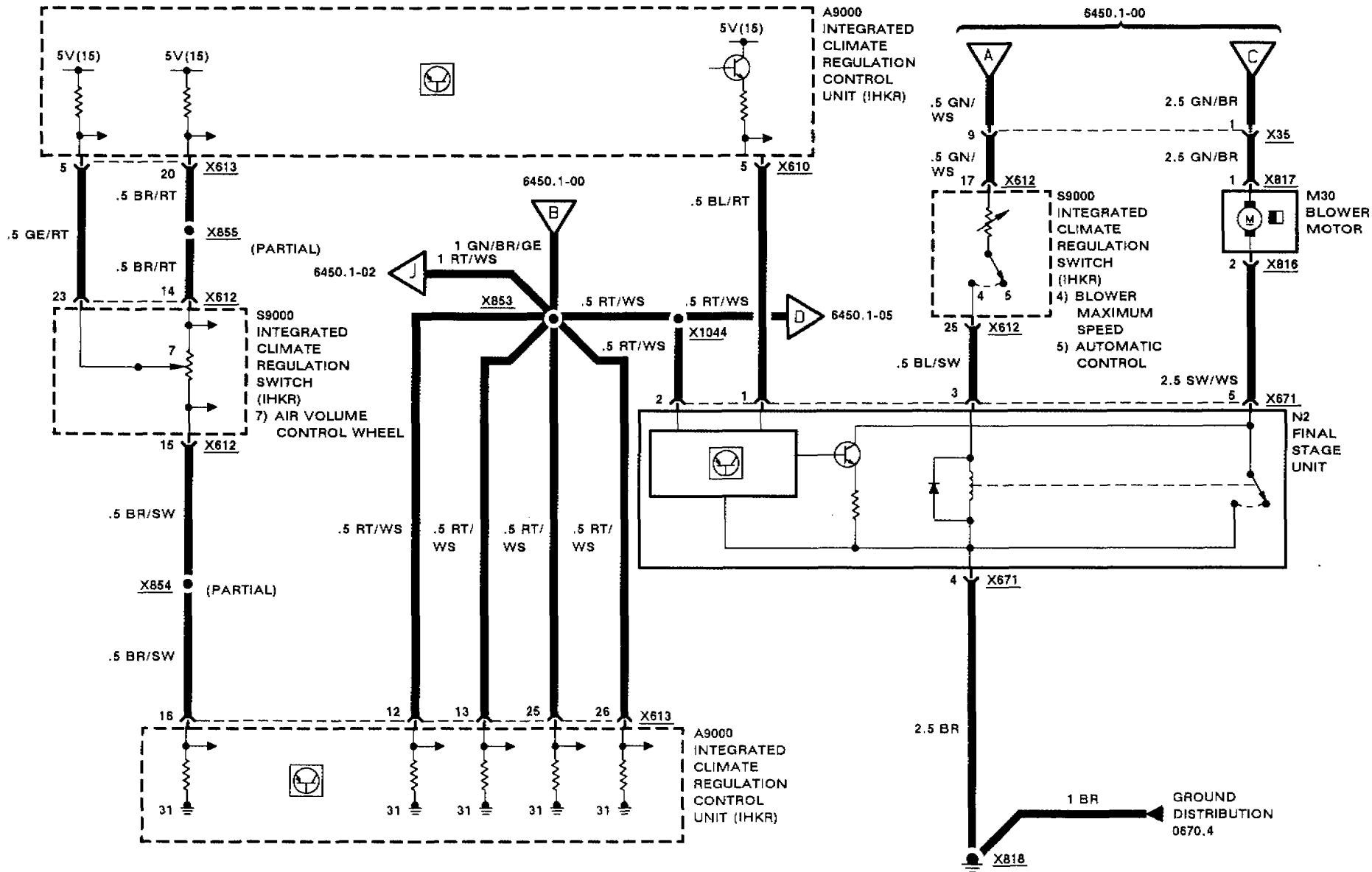
POWER



source: www.ow.no

INTEGRATED CLIMATE REGULATION (IHKR)

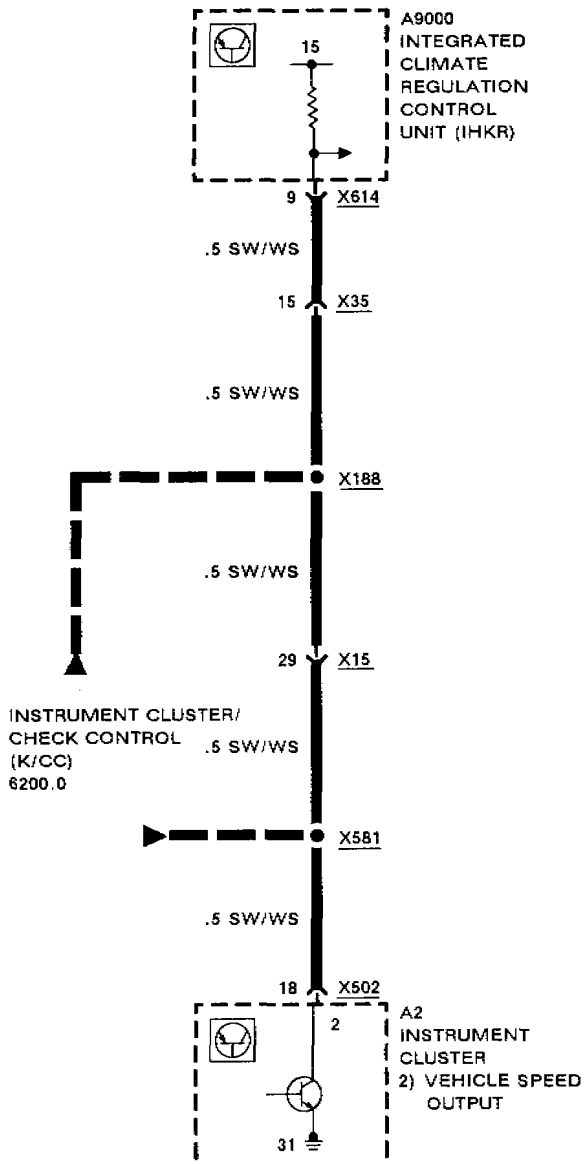
BLOWER CONTROLS



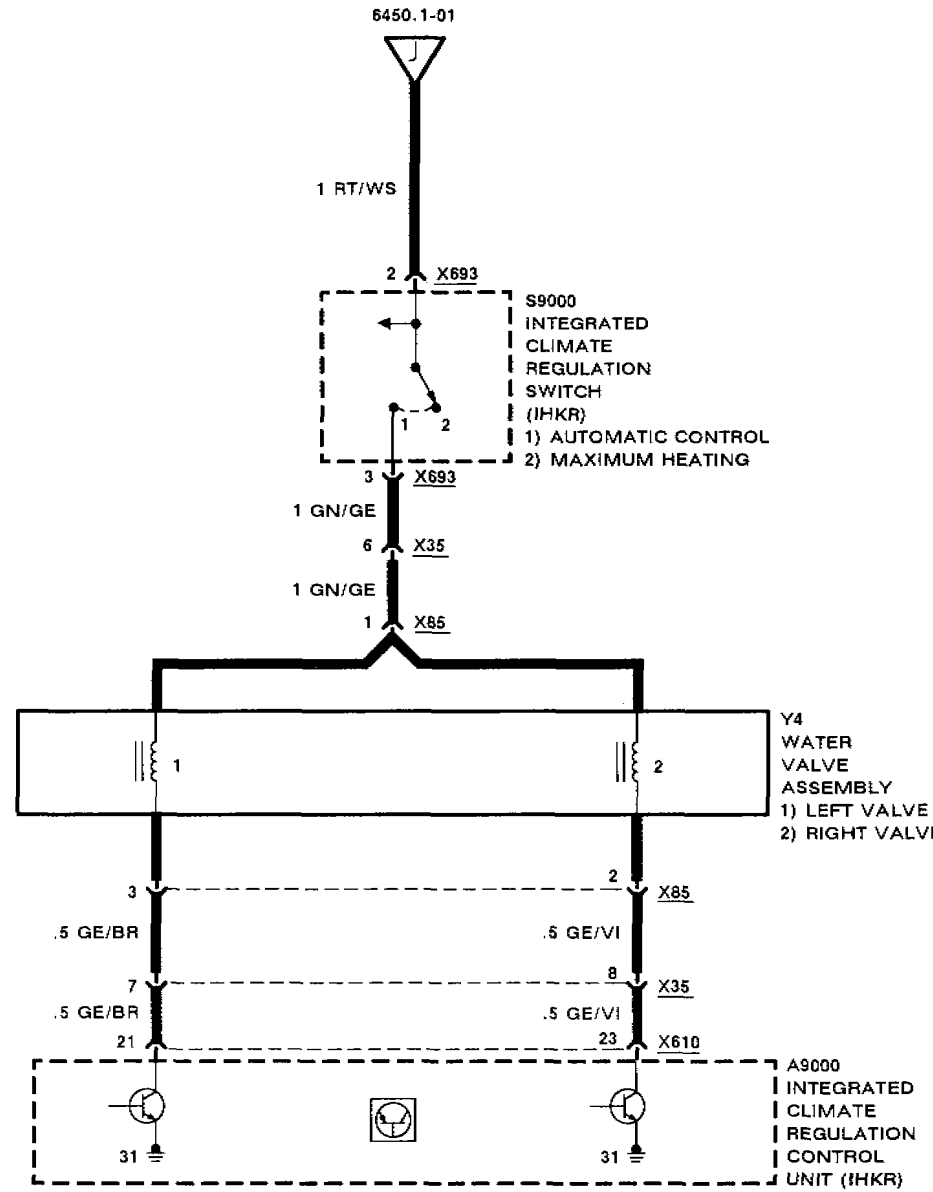
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INTEGRATED CLIMATE REGULATION (IHKR)

BLOWER CONTROLS



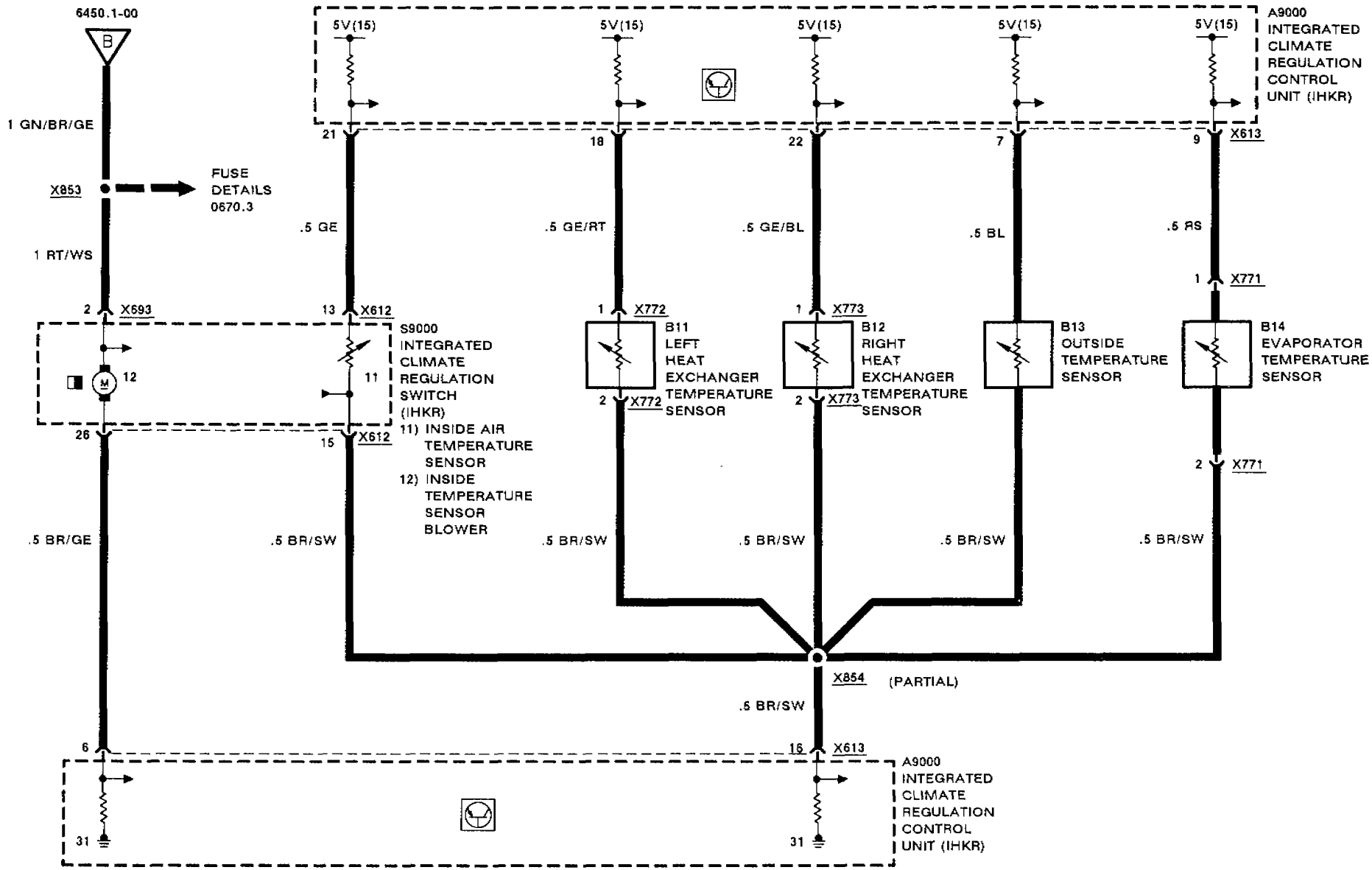
WATER VALVES



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INTEGRATED CLIMATE REGULATION (IHKR)

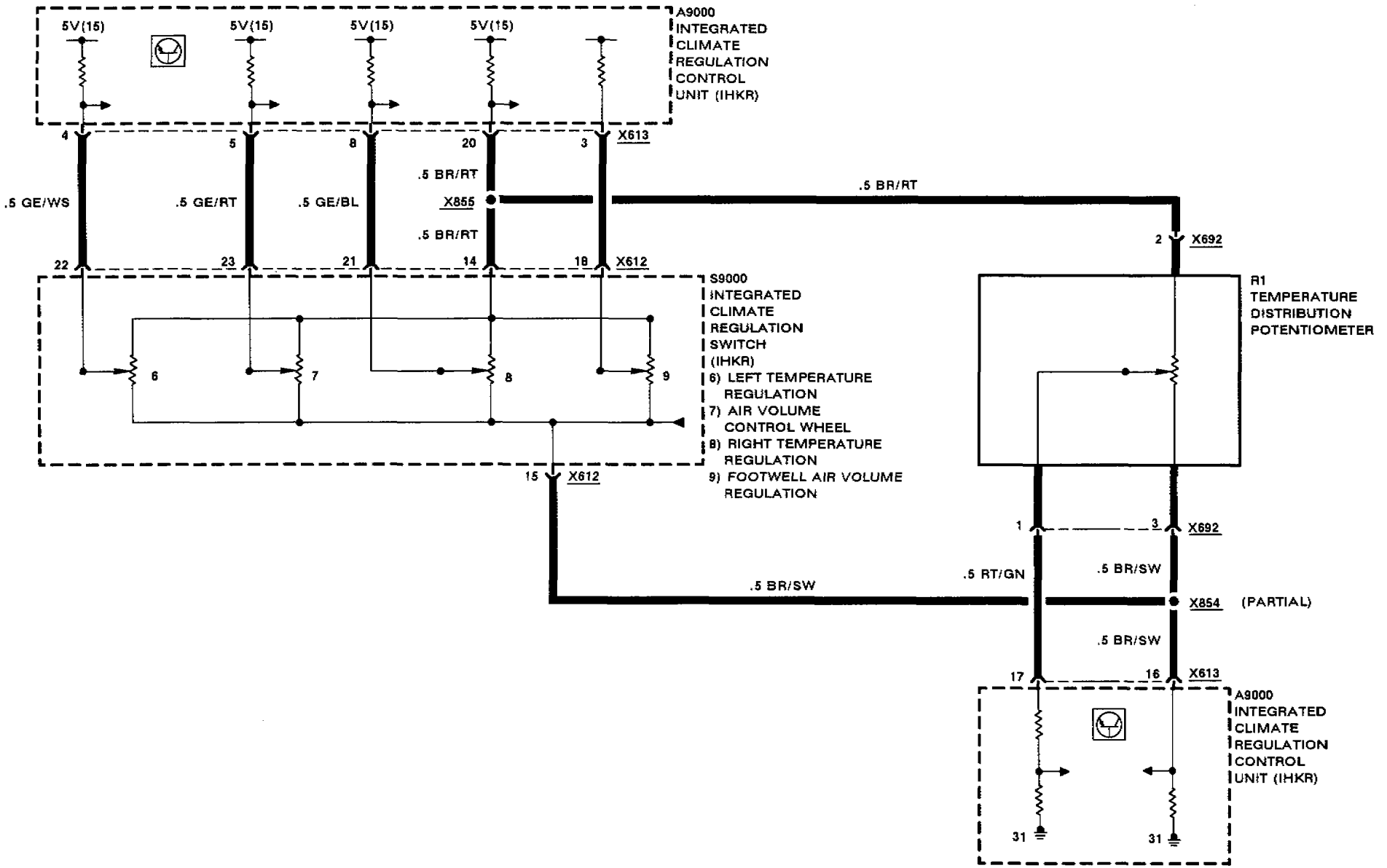
TEMPERATURE CONTROLS



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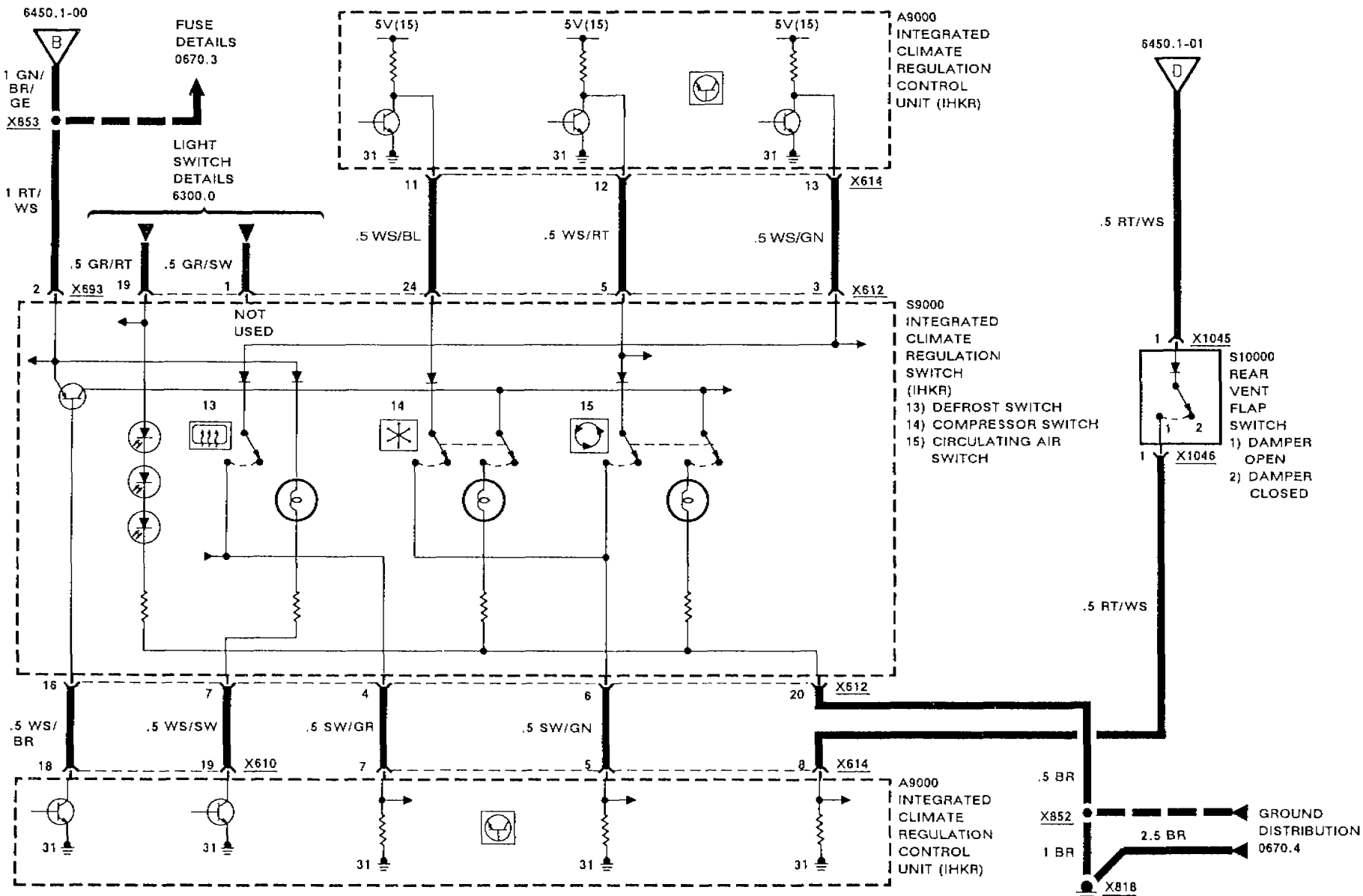
TEMPERATURE CONTROLS



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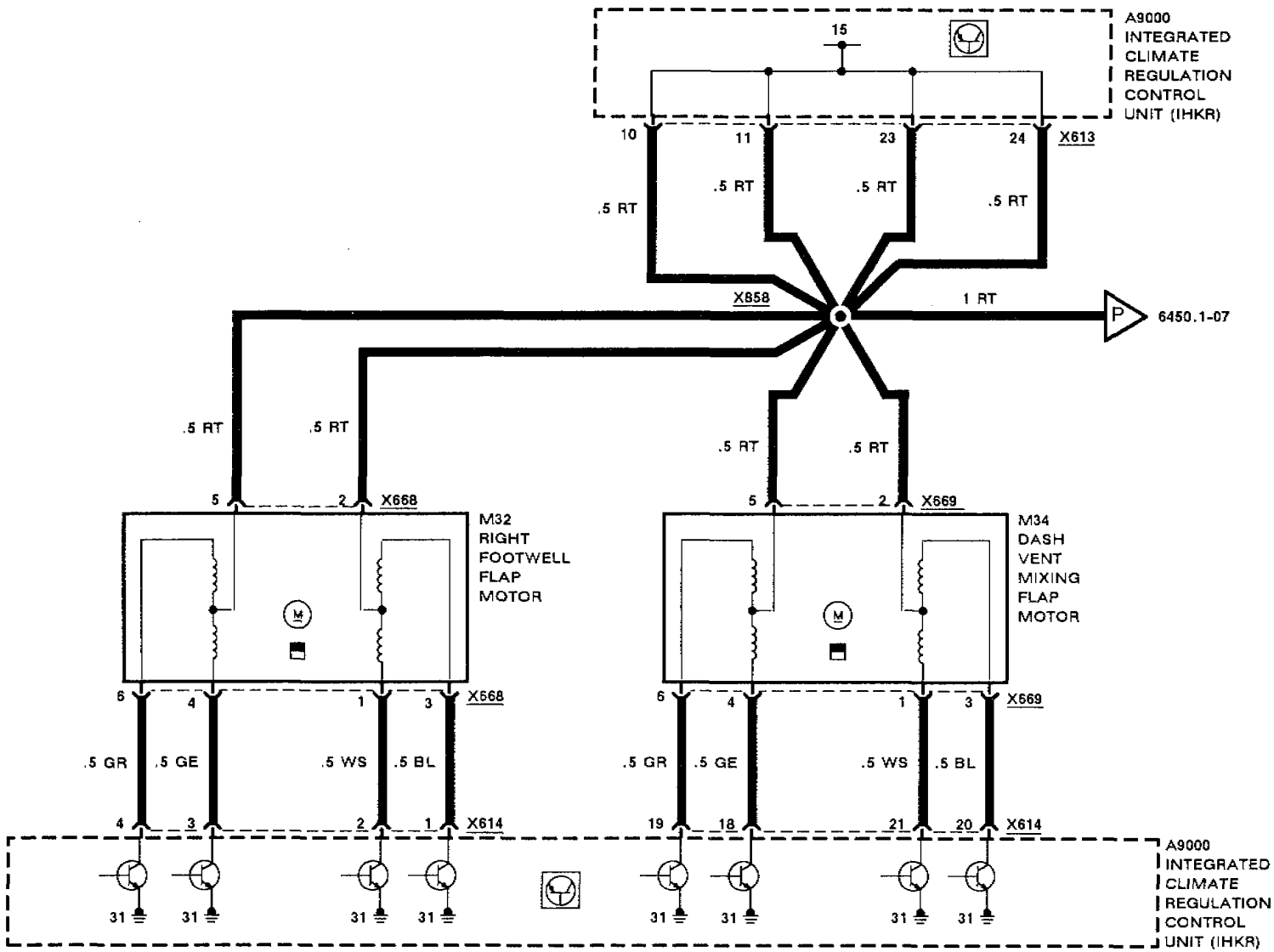
AIR DELIVERY



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INTEGRATED CLIMATE REGULATION (IHKR)

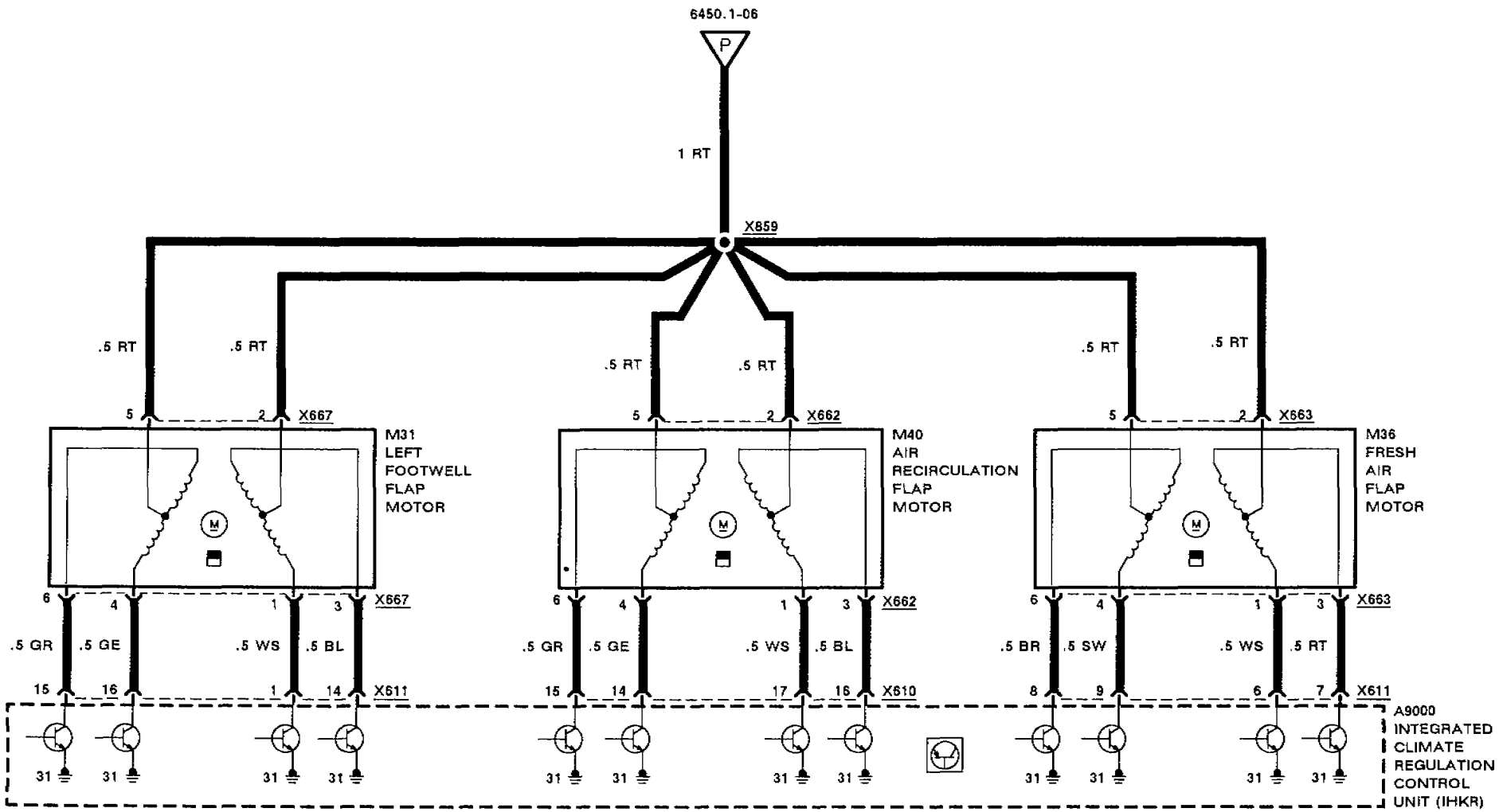
AIR DELIVERY



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INTEGRATED CLIMATE REGULATION (IHKR)

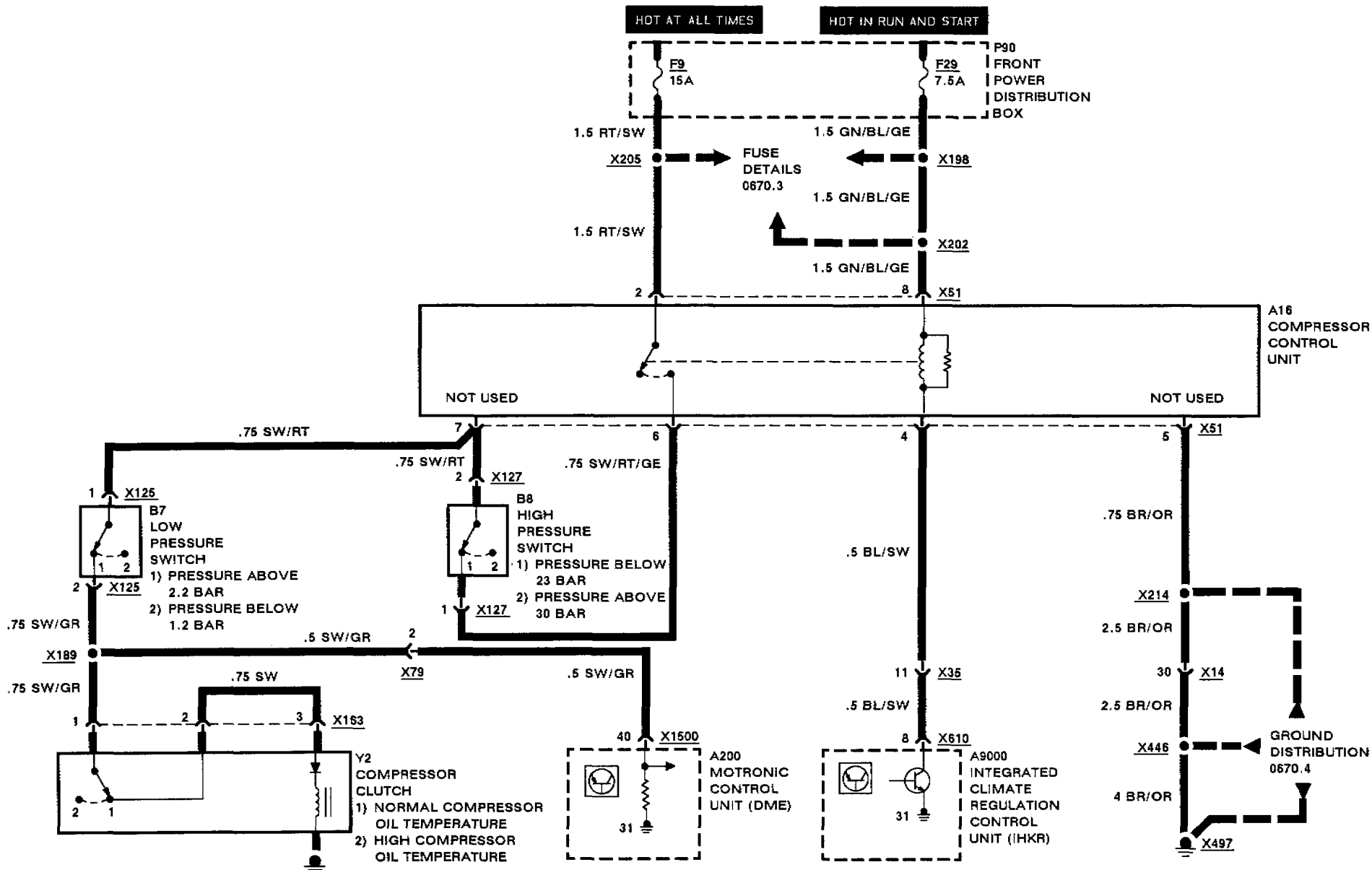
AIR DELIVERY



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INTEGRATED CLIMATE REGULATION (IHKR)

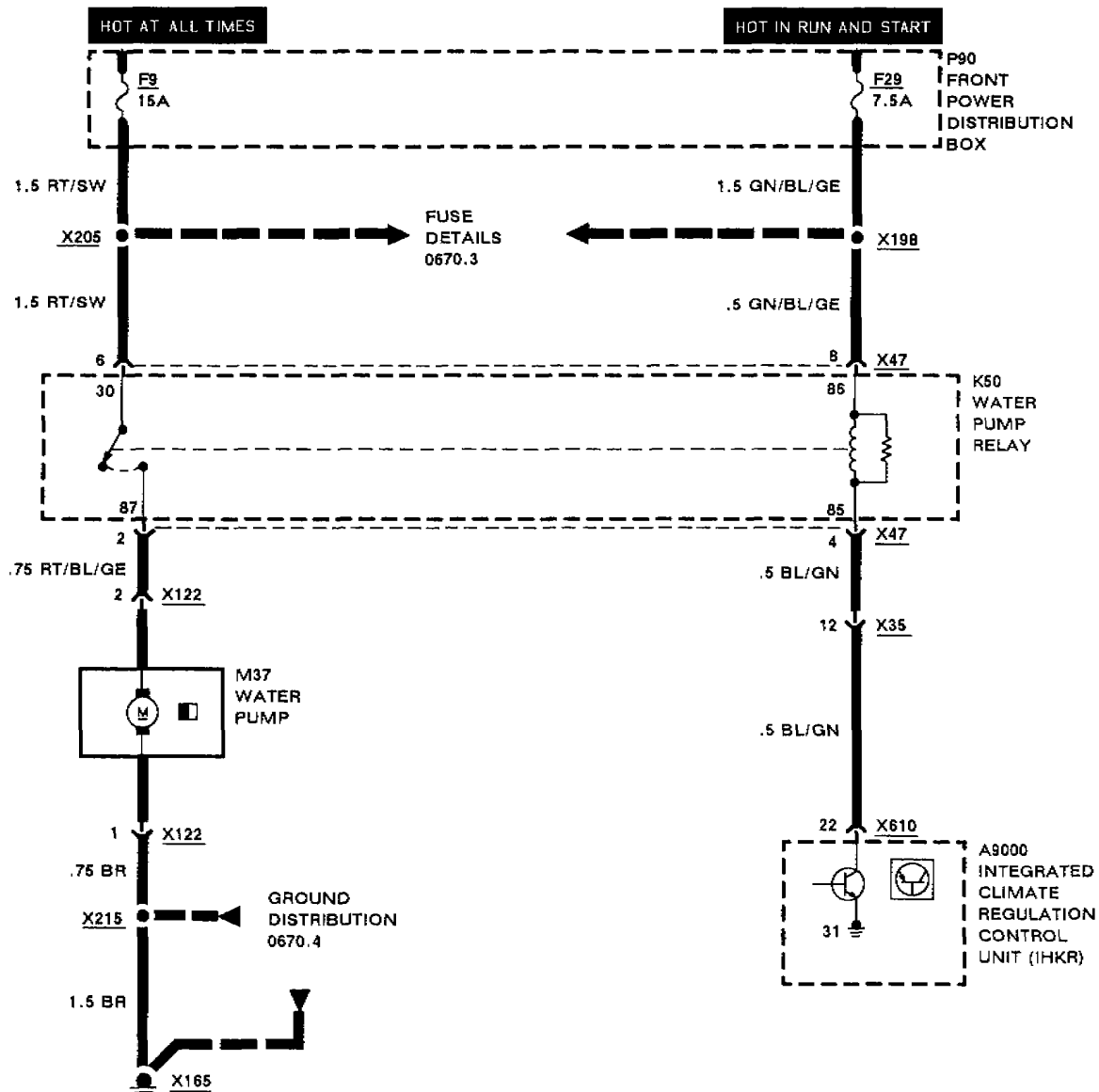
COMPRESSOR CONTROLS



source: www.ow.no

INTEGRATED CLIMATE REGULATION (IHKR)

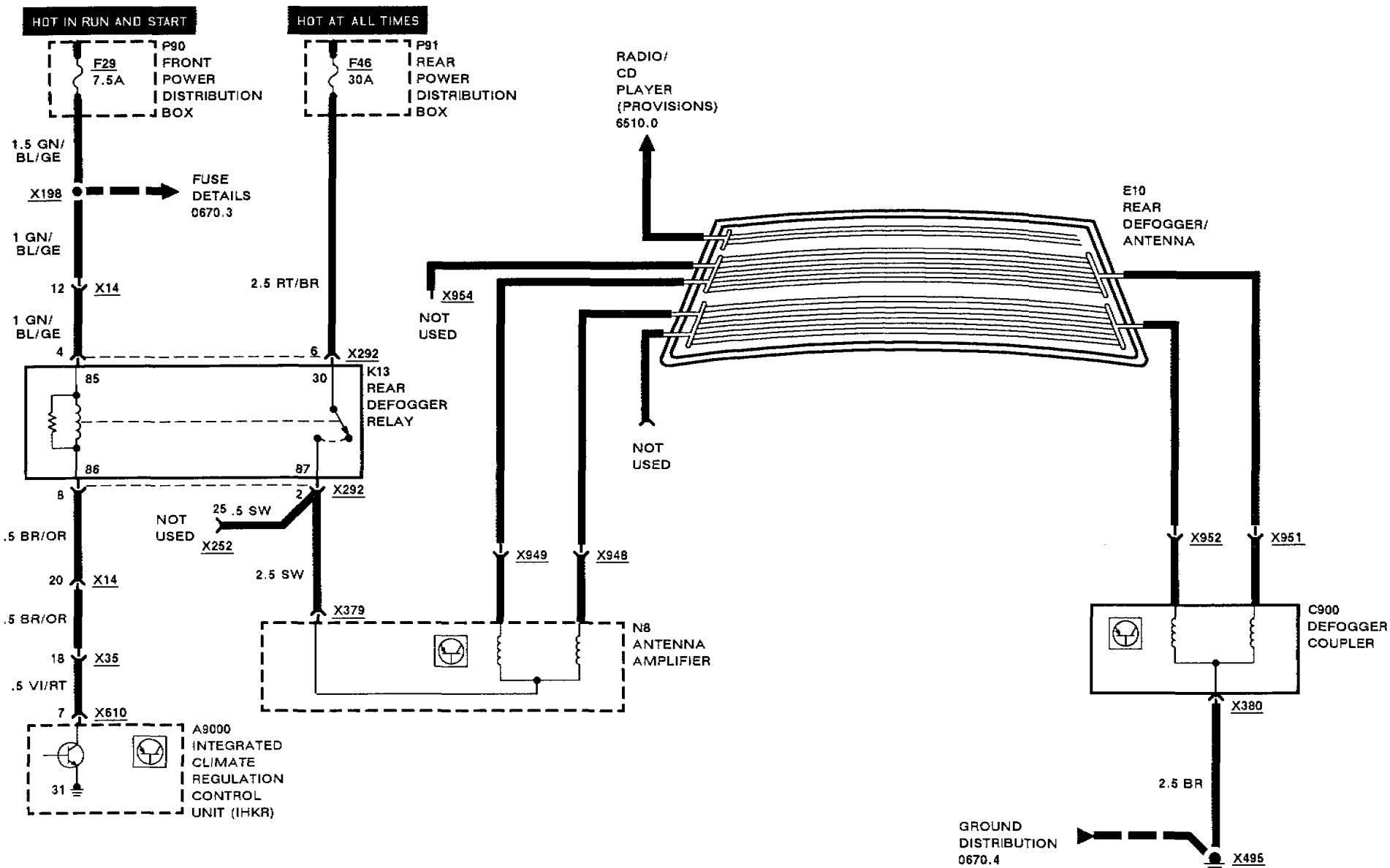
AUXILIARY WATER PUMP



source: www.ow.no

INTEGRATED CLIMATE REGULATION (IHKR)

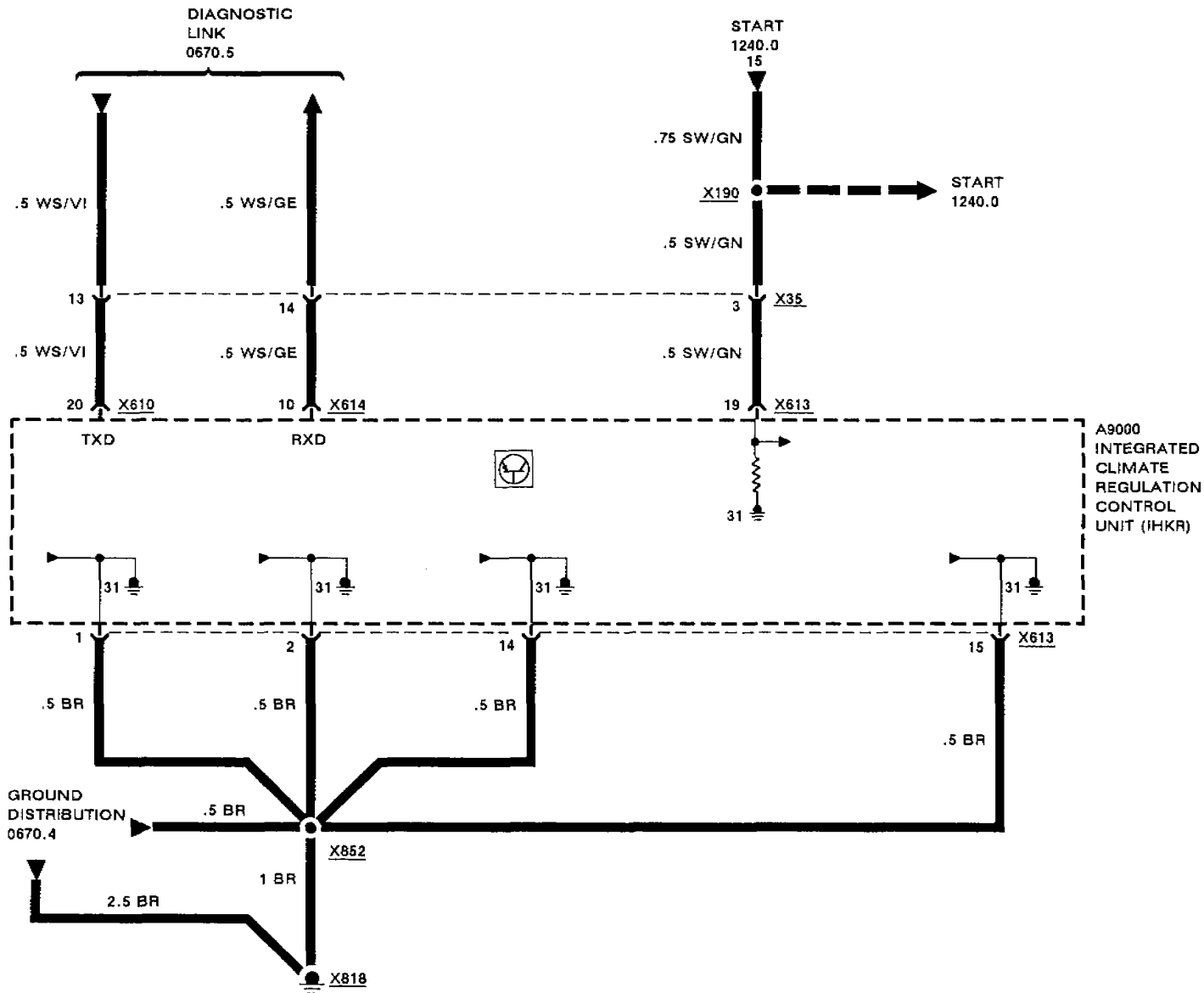
REAR WINDOW DEFOGGER



source: www.ow.no

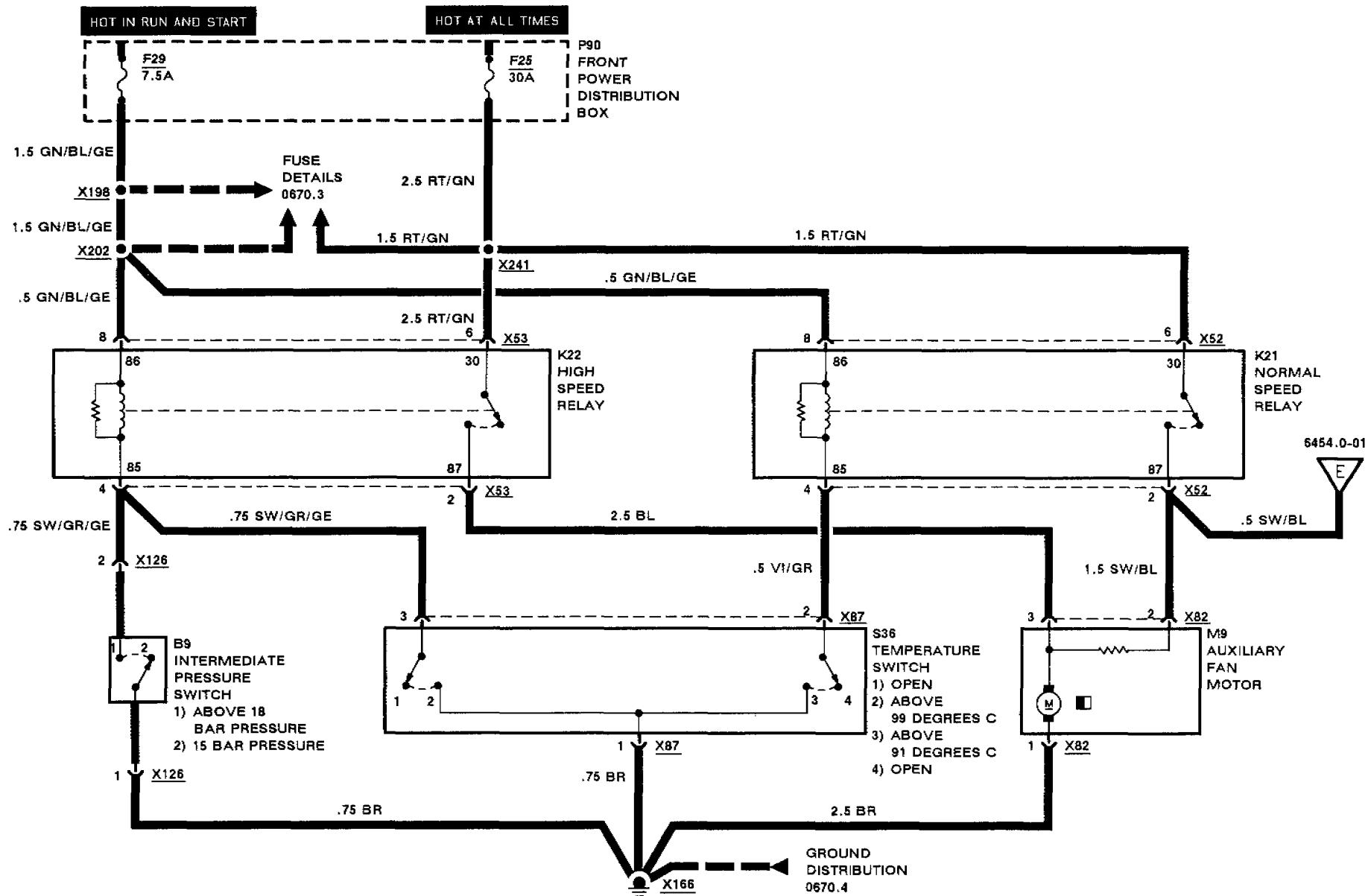
INTEGRATED CLIMATE REGULATION (IHKR)

DIAGNOSTIC LINK AND STARTER INPUT



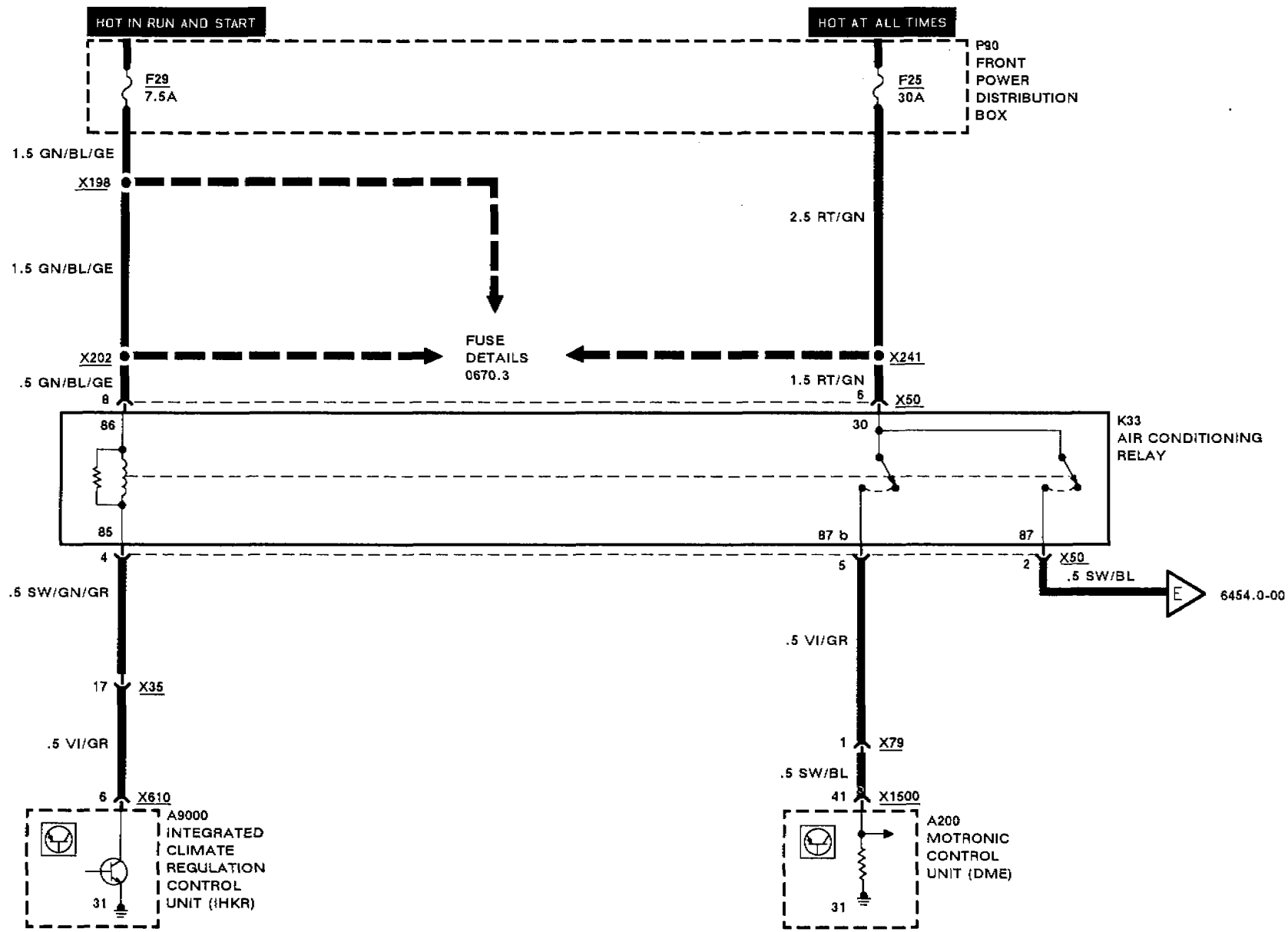
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AUXILIARY FAN



source: www.ow.no

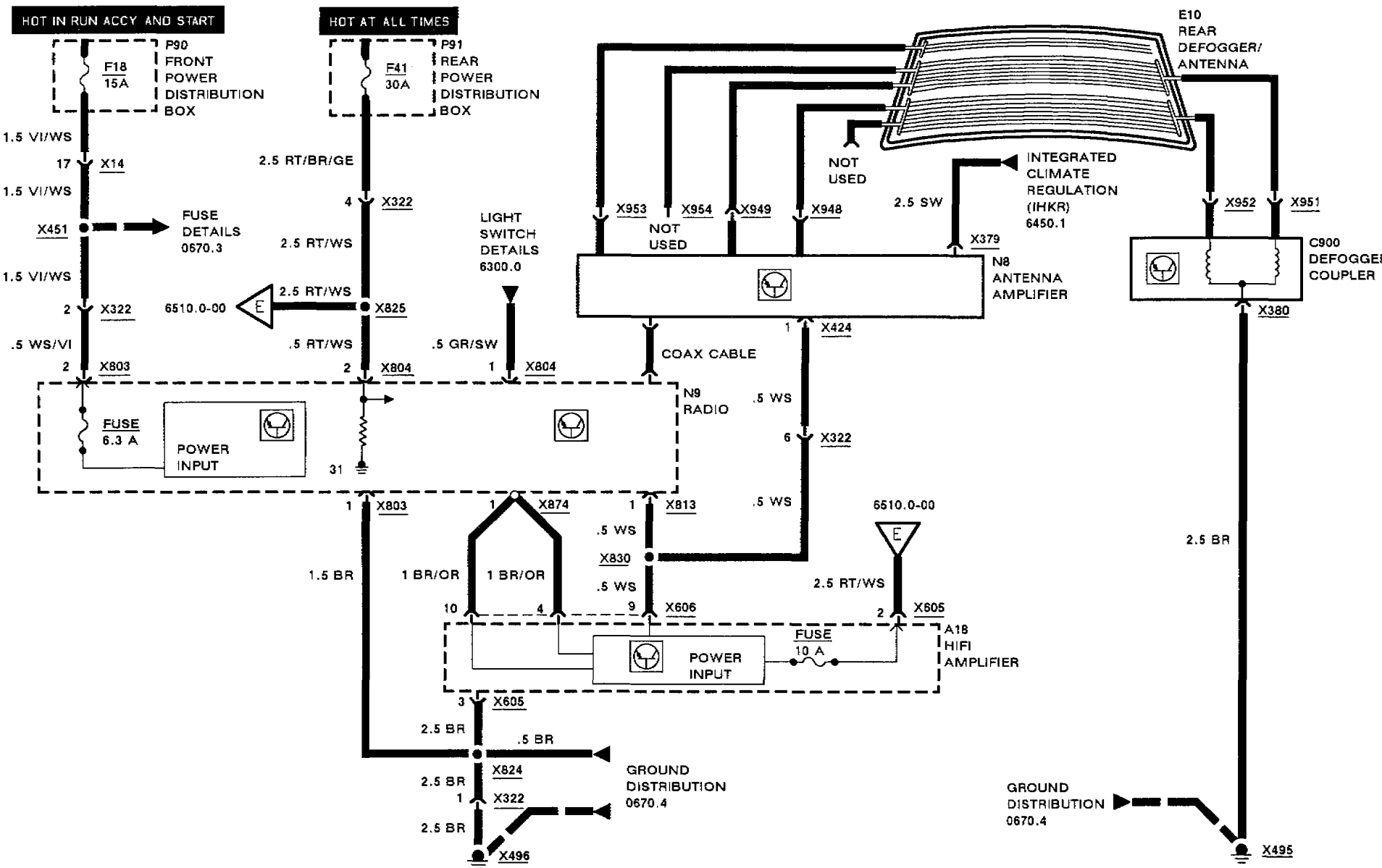
AUXILIARY FAN



source: www.ow.no

RADIO/ CD PLAYER (PROVISIONS)

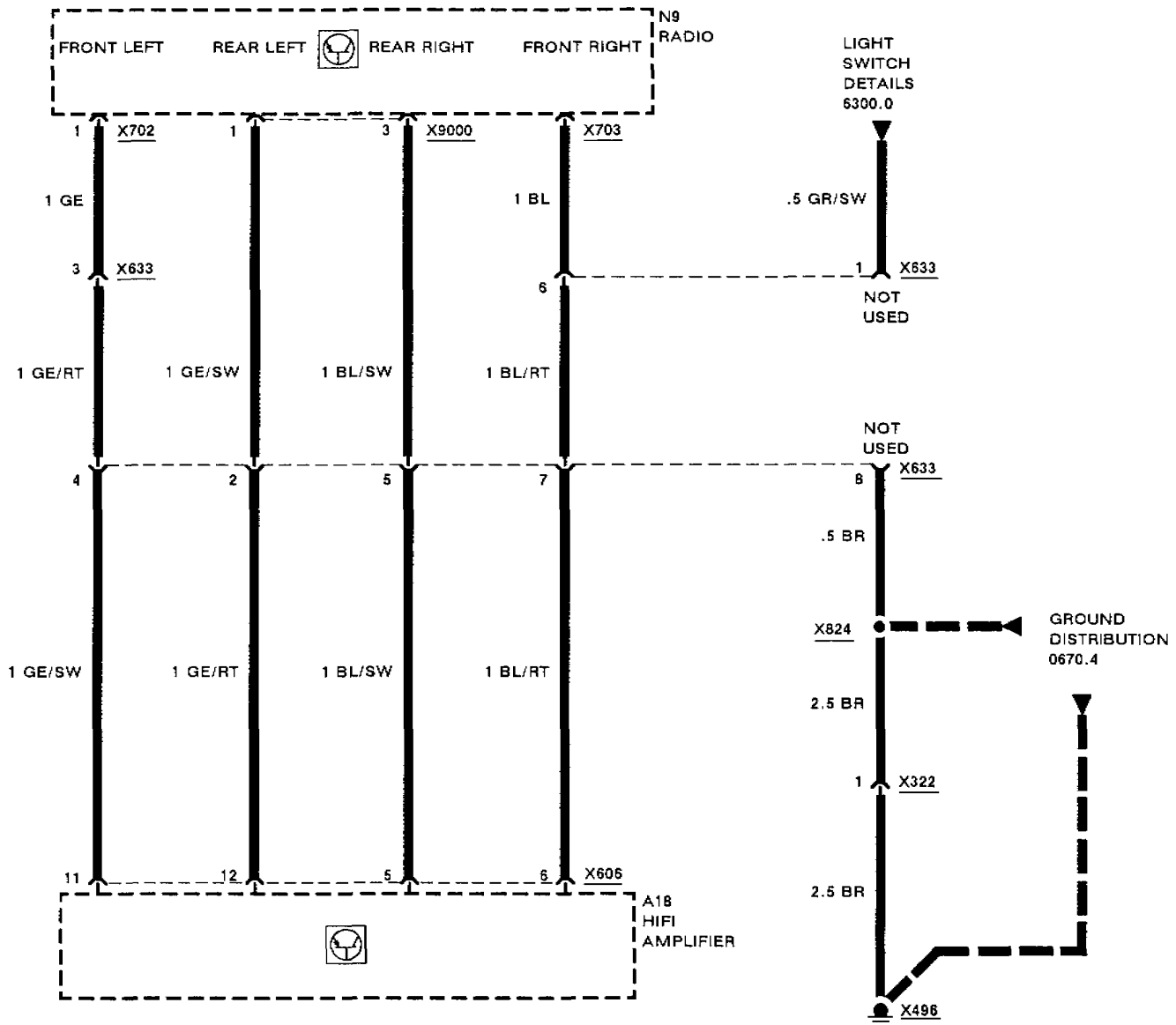
HIFI, TEN SPEAKER SYSTEM



source: www.ow.no

RADIO/ CD PLAYER (PROVISIONS)

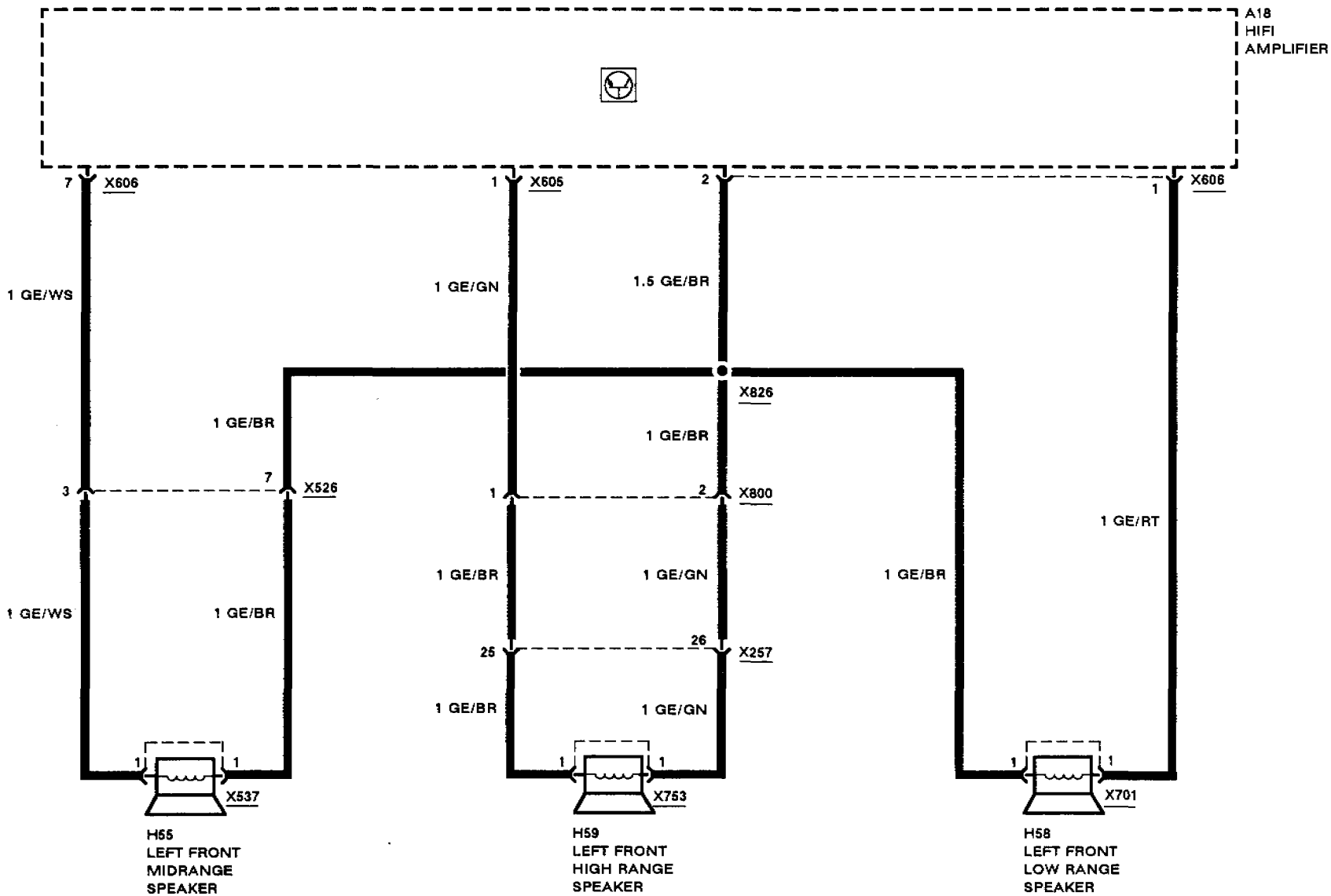
HIFI, TEN SPEAKER SYSTEM



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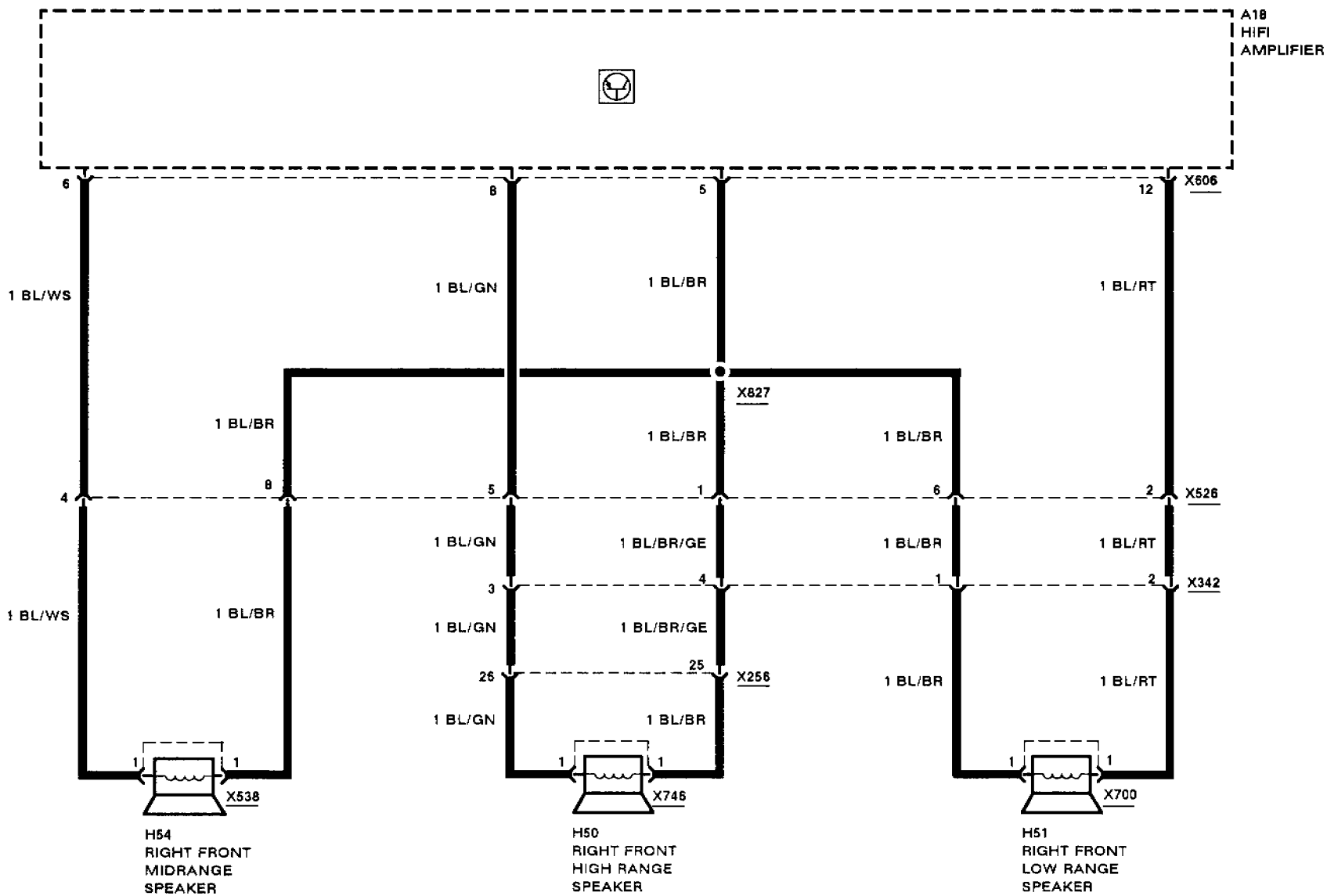
HIFI, TEN SPEAKER SYSTEM



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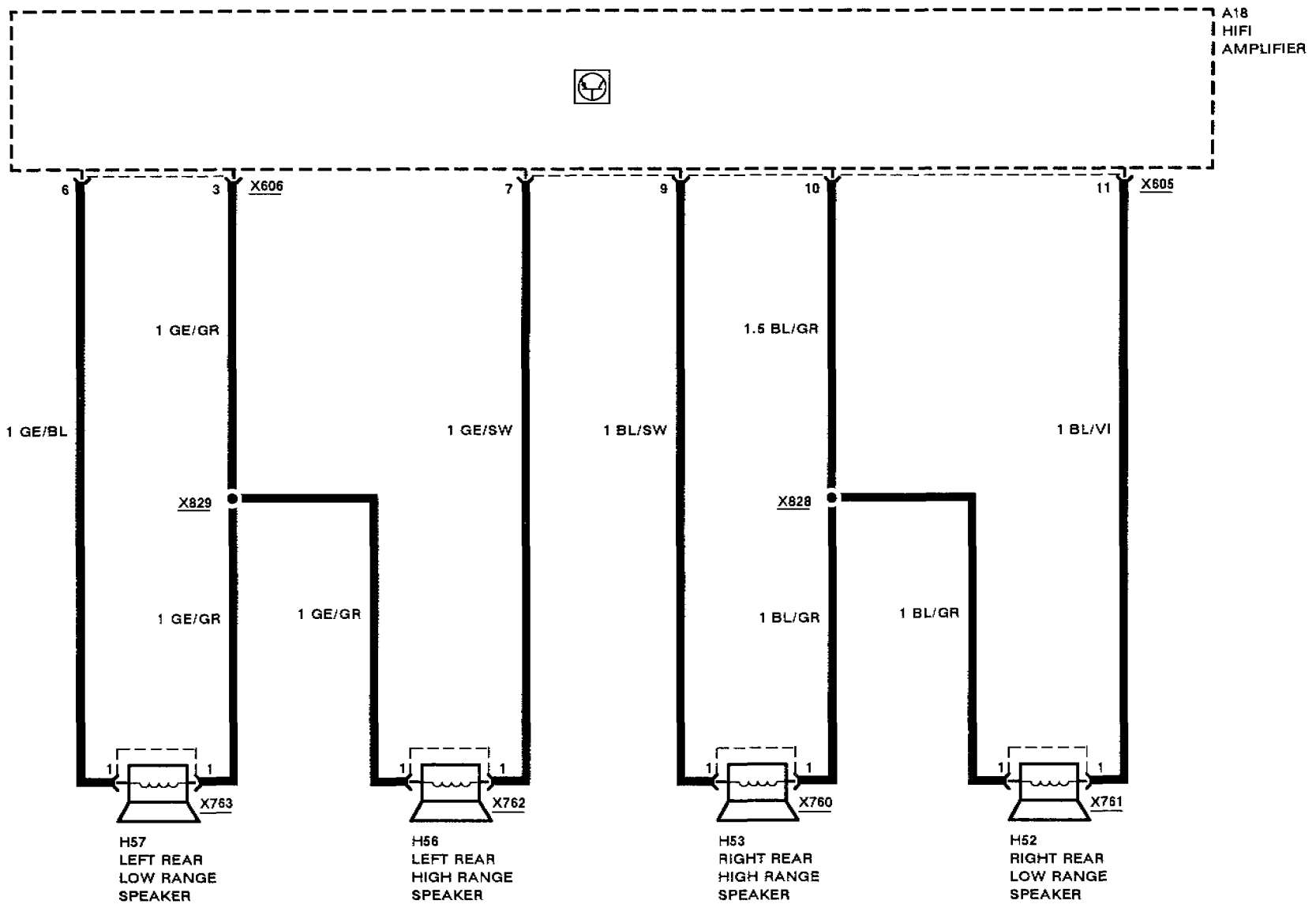
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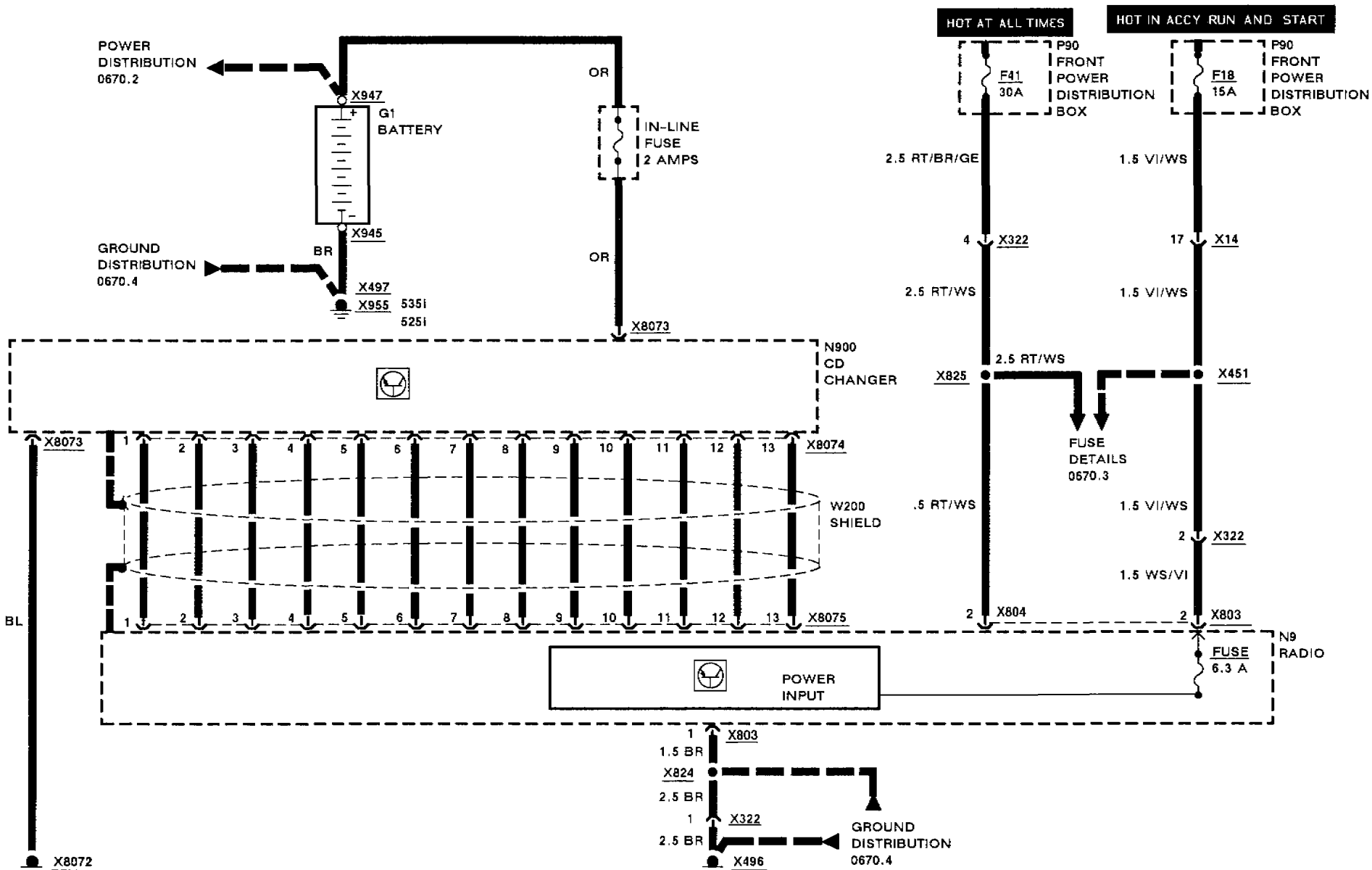
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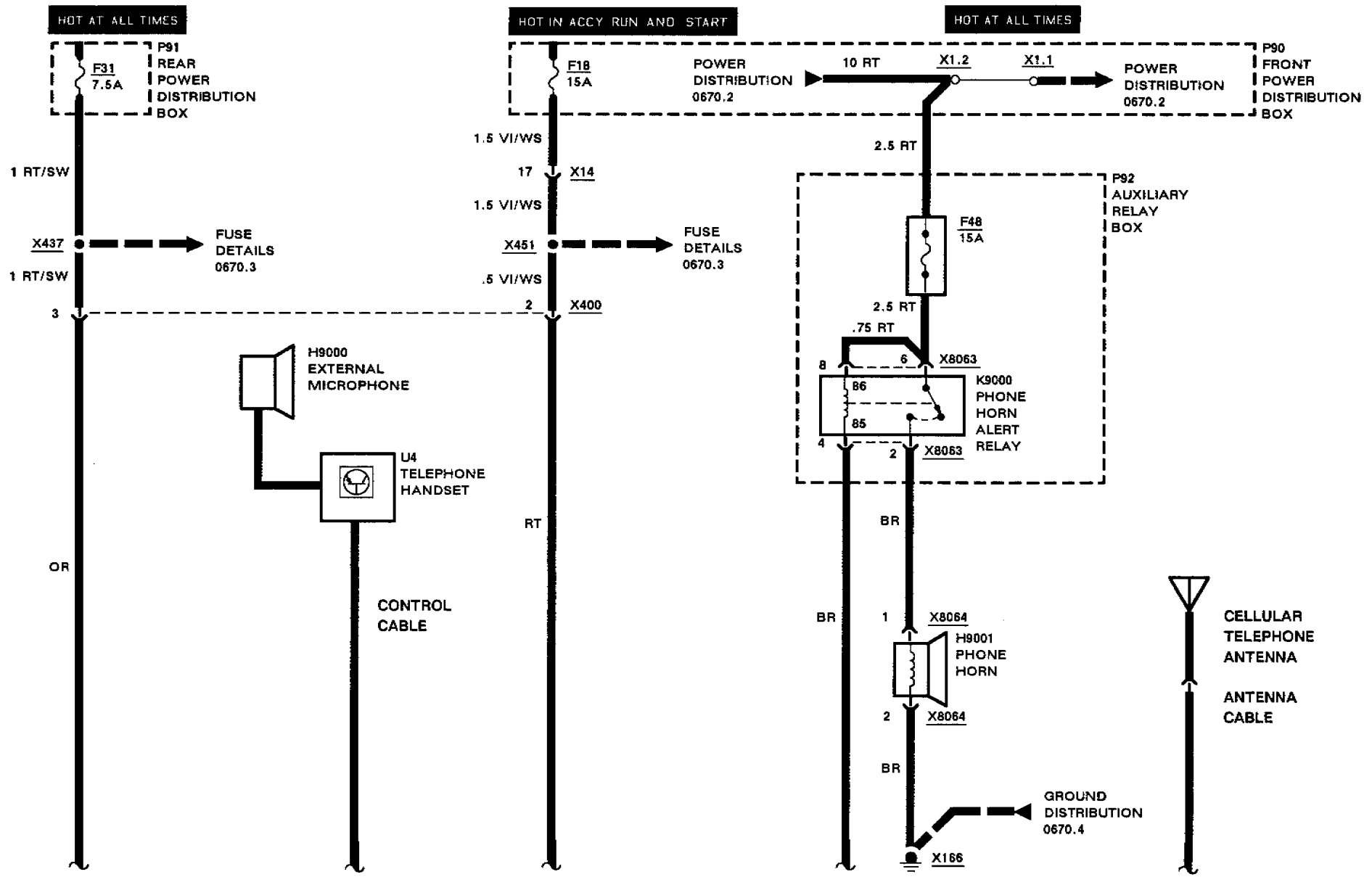
RADIO/ CD PLAYER (PROVISIONS)

CD CHANGER (IF EQUIPPED)

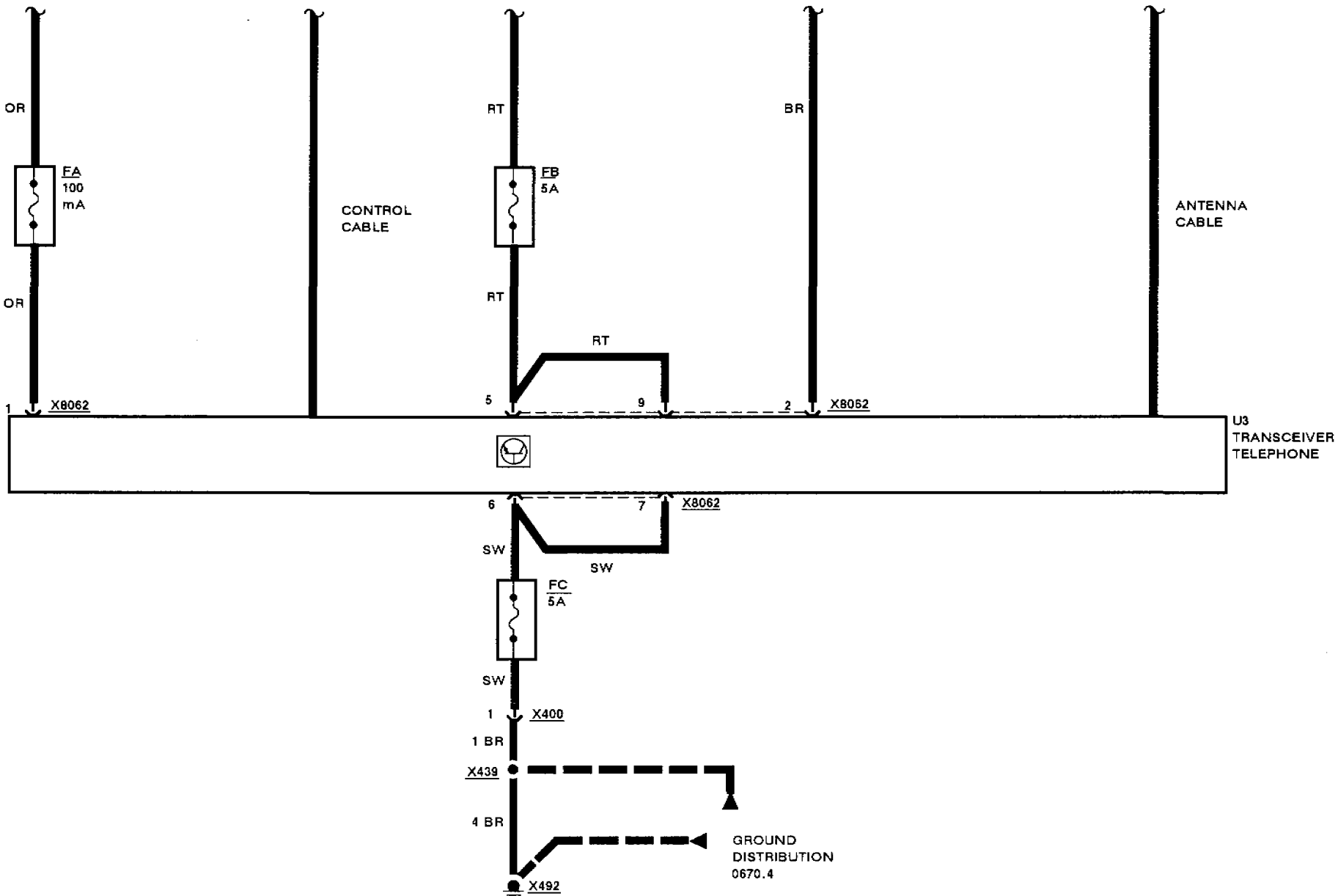


source: www.ow.no

CELLULAR TELEPHONE (PROVISIONS)



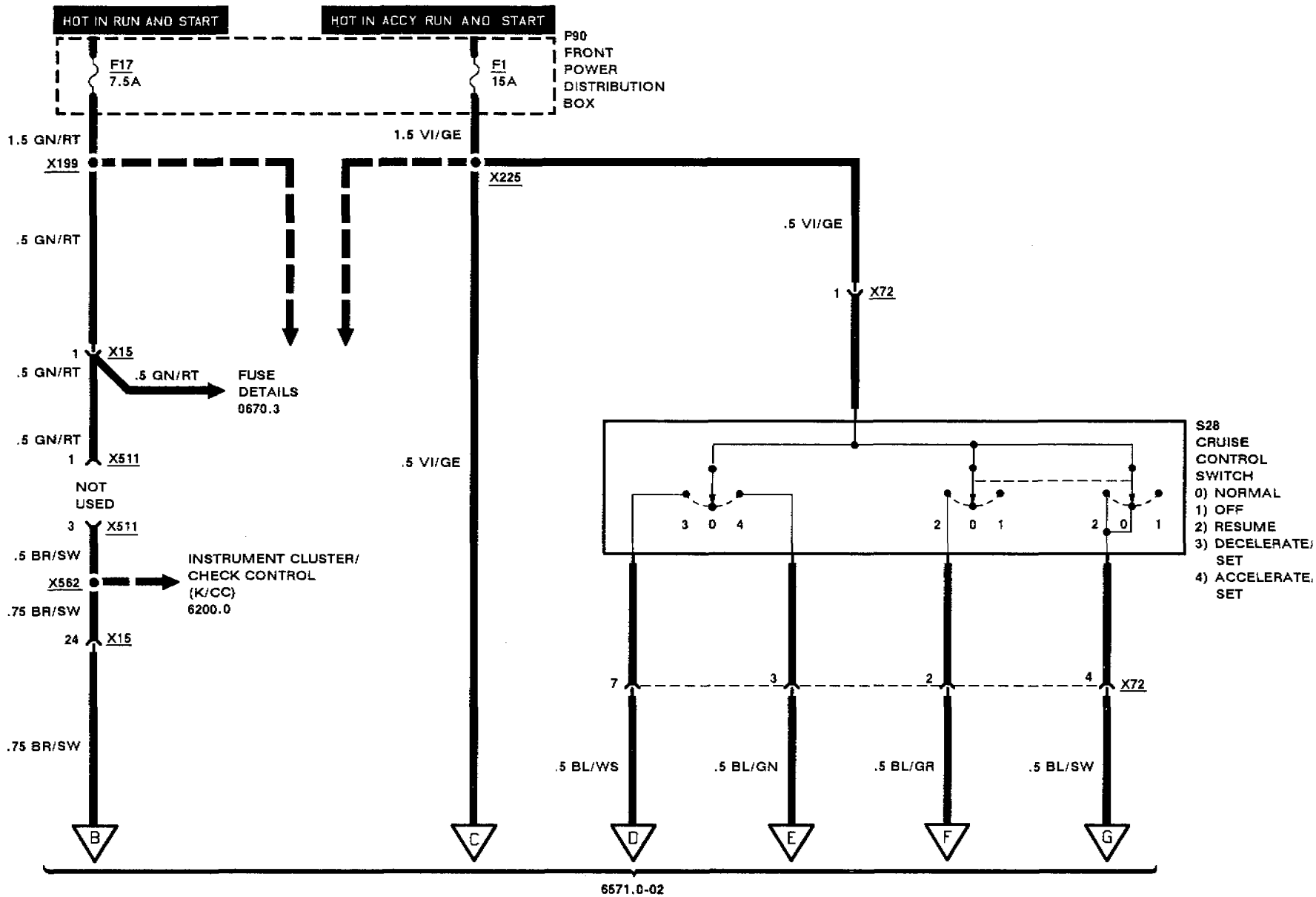
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source: www.ow.no

CRUISE CONTROL (TEMPOMAT)

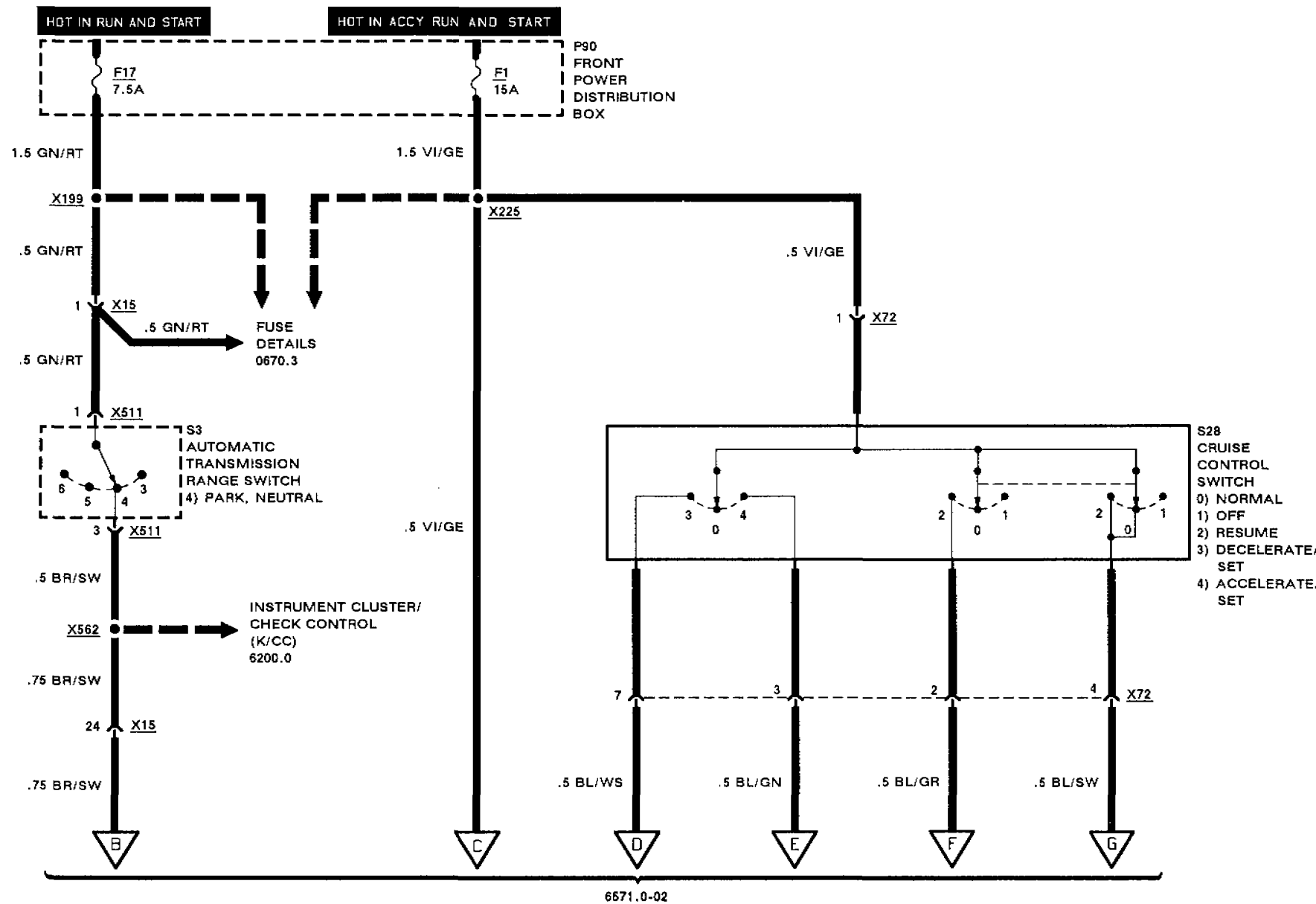
MANUAL



source: www.ow.no

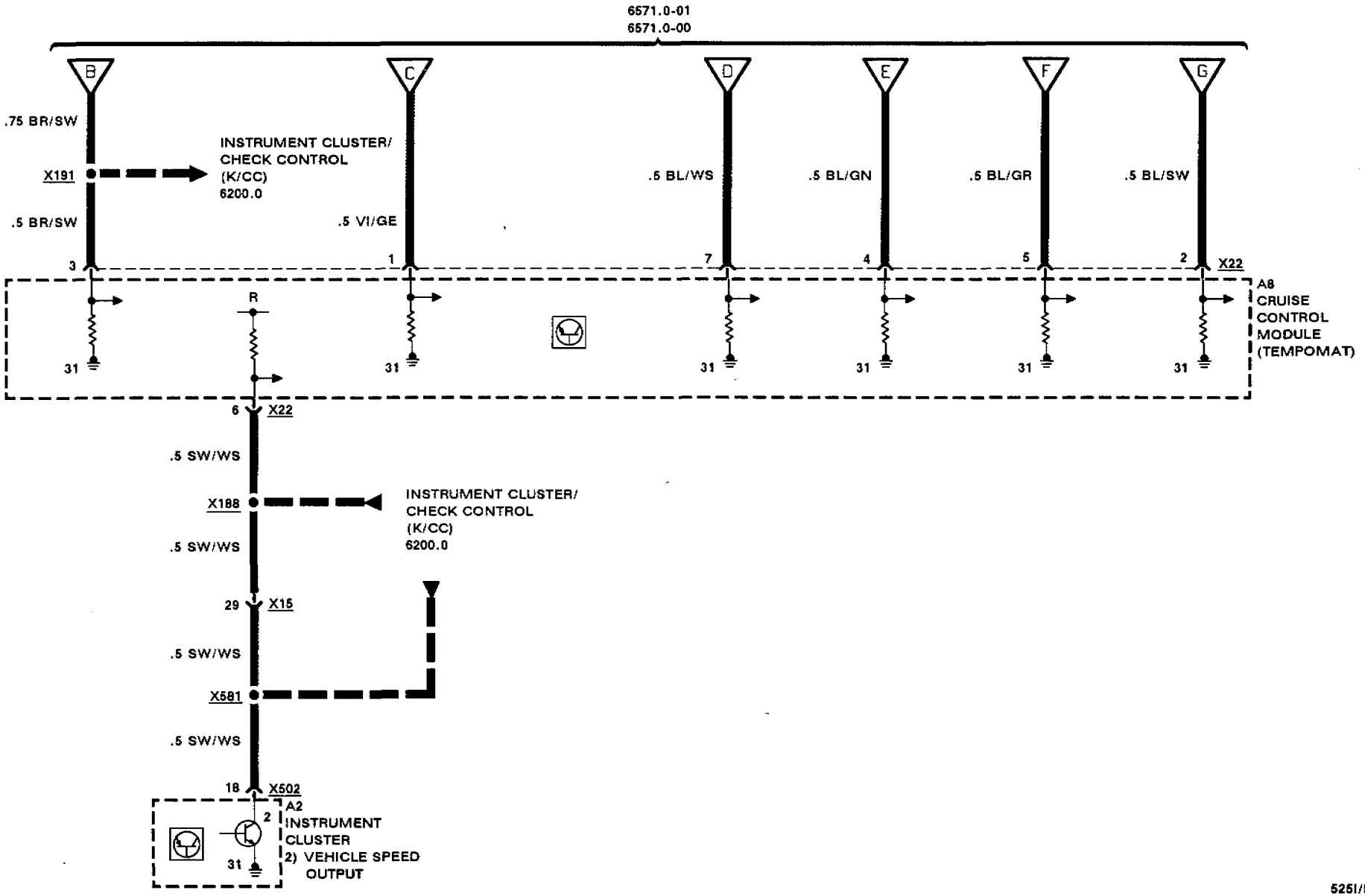
CRUISE CONTROL (TEMPOMAT)

AUTOMATIC



source: www.ow.no

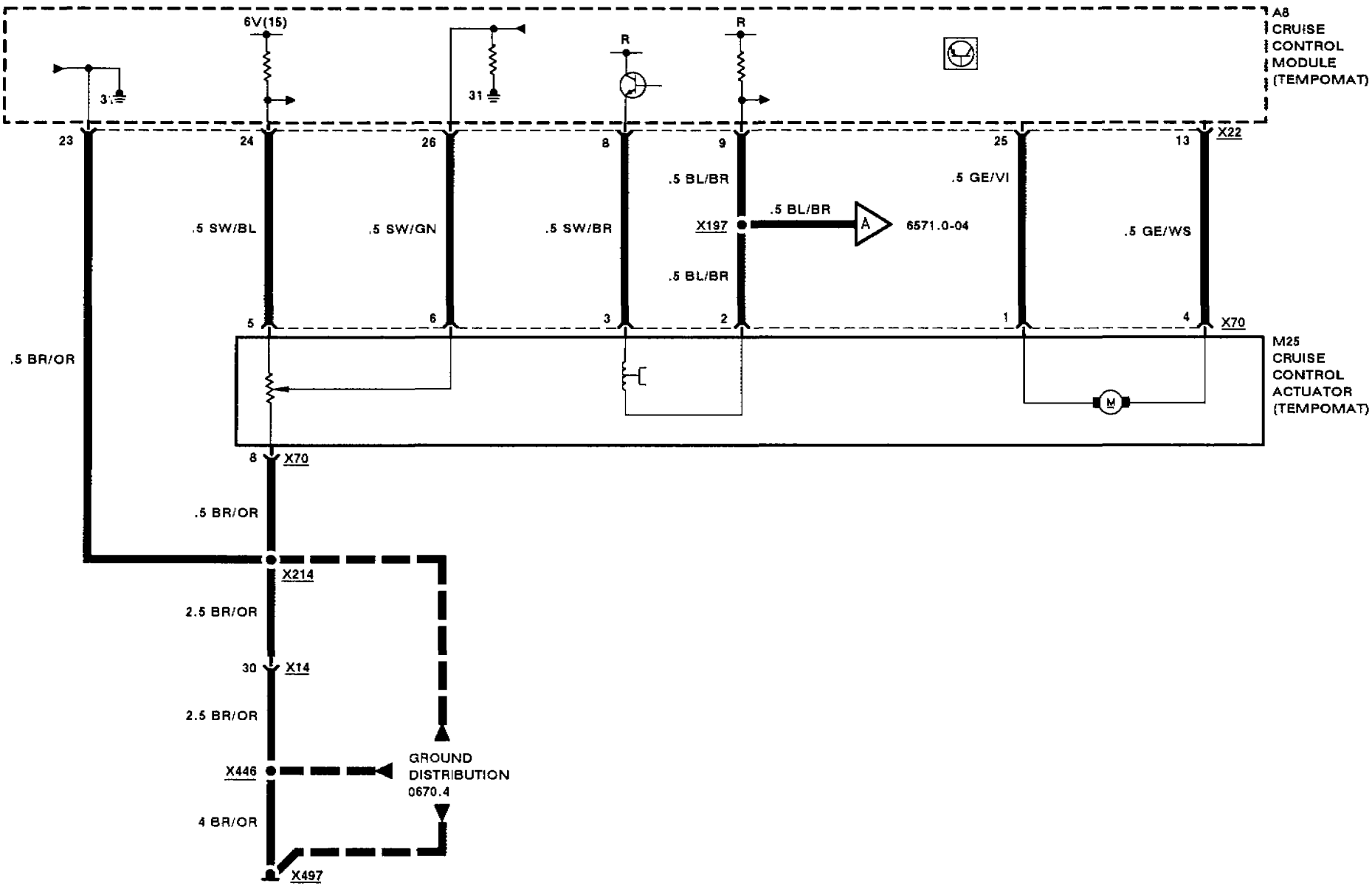
CRUISE CONTROL (TEMPOMAT)



525I/530I/535I

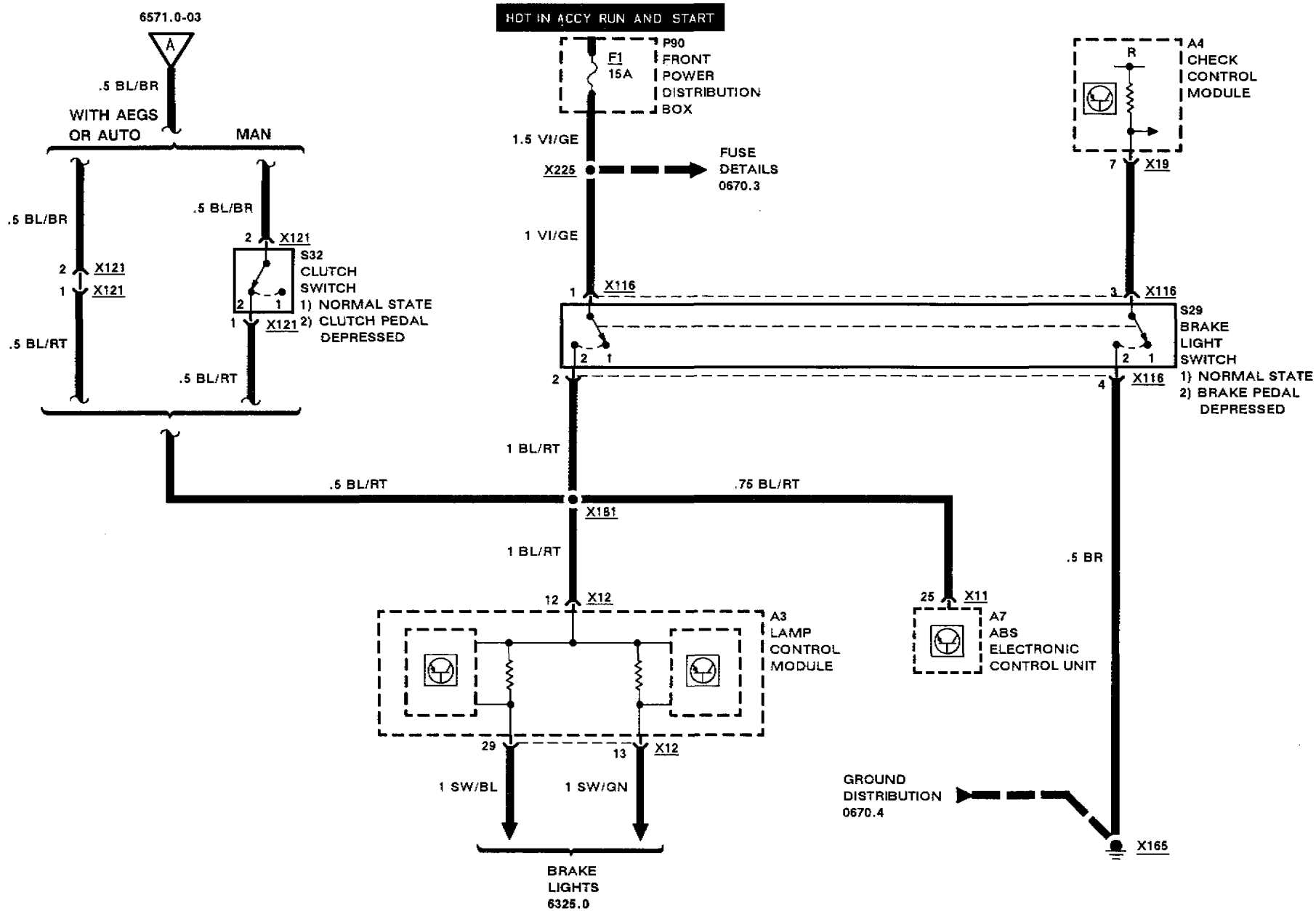
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CRUISE CONTROL (TEMPOMAT)



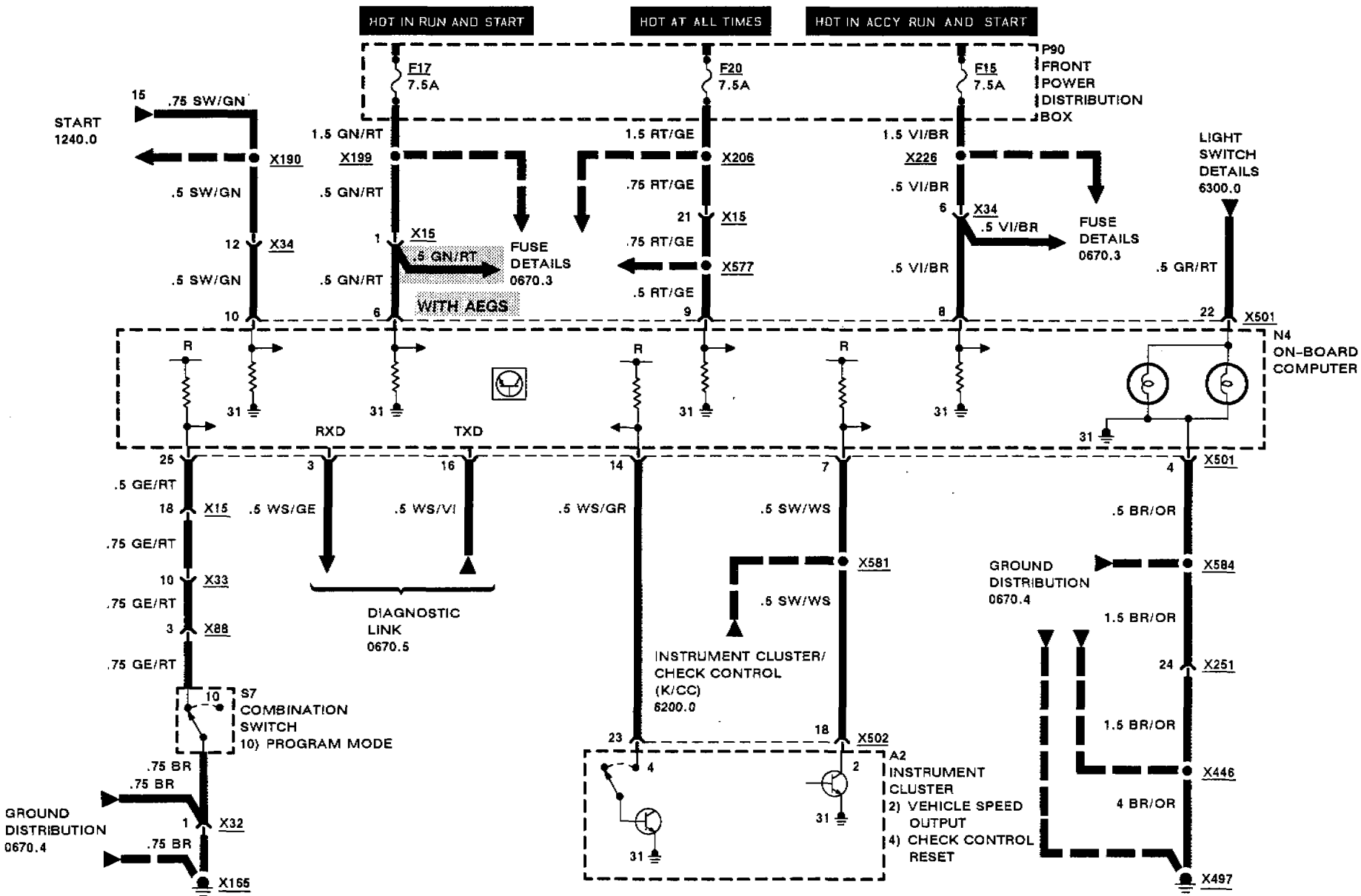
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CRUISE CONTROL (TEMPOMAT)



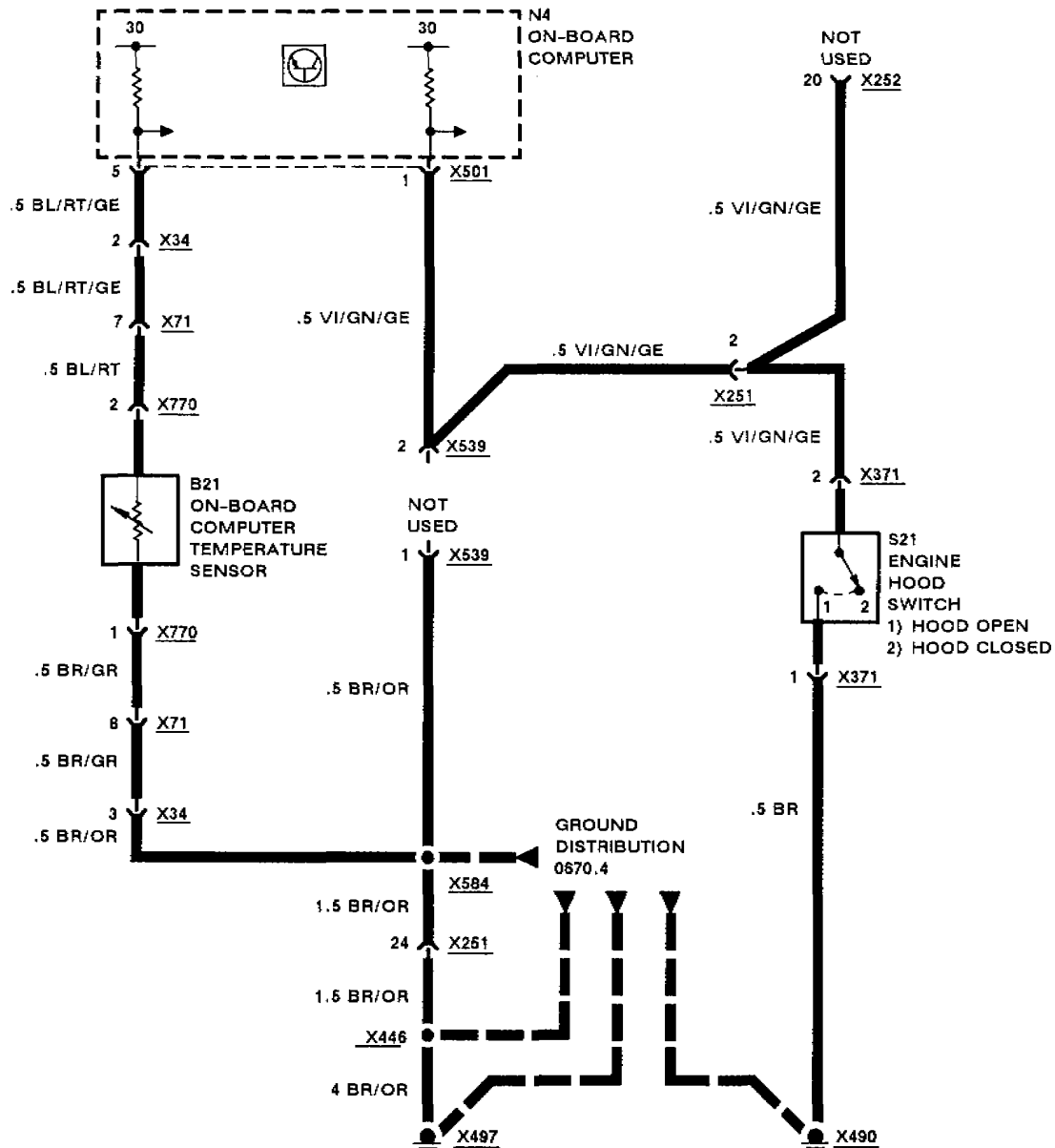
source: www.ow.no

ON-BOARD COMPUTER (BCIV)



source: www.ow.no

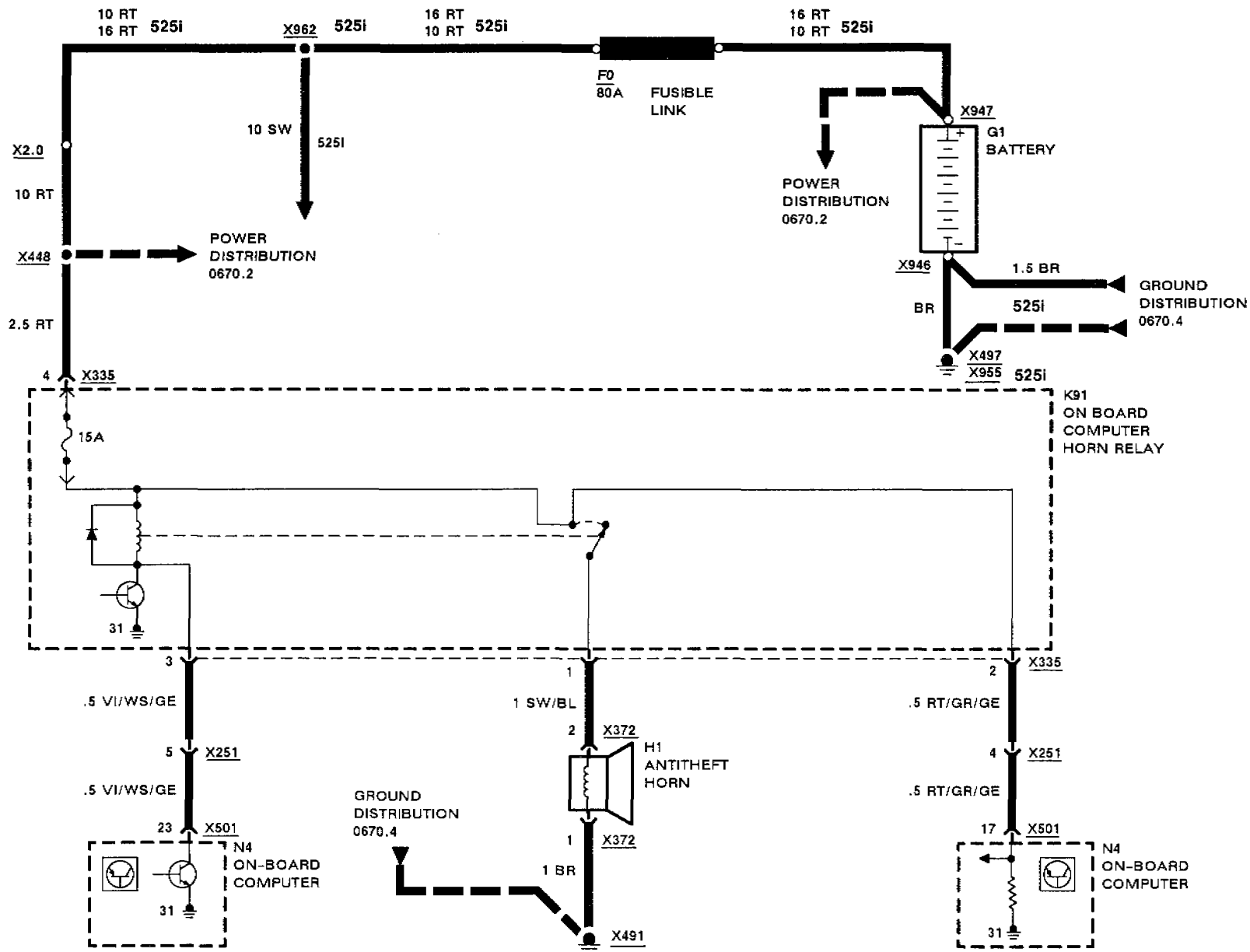
ON-BOARD COMPUTER (BCIV)



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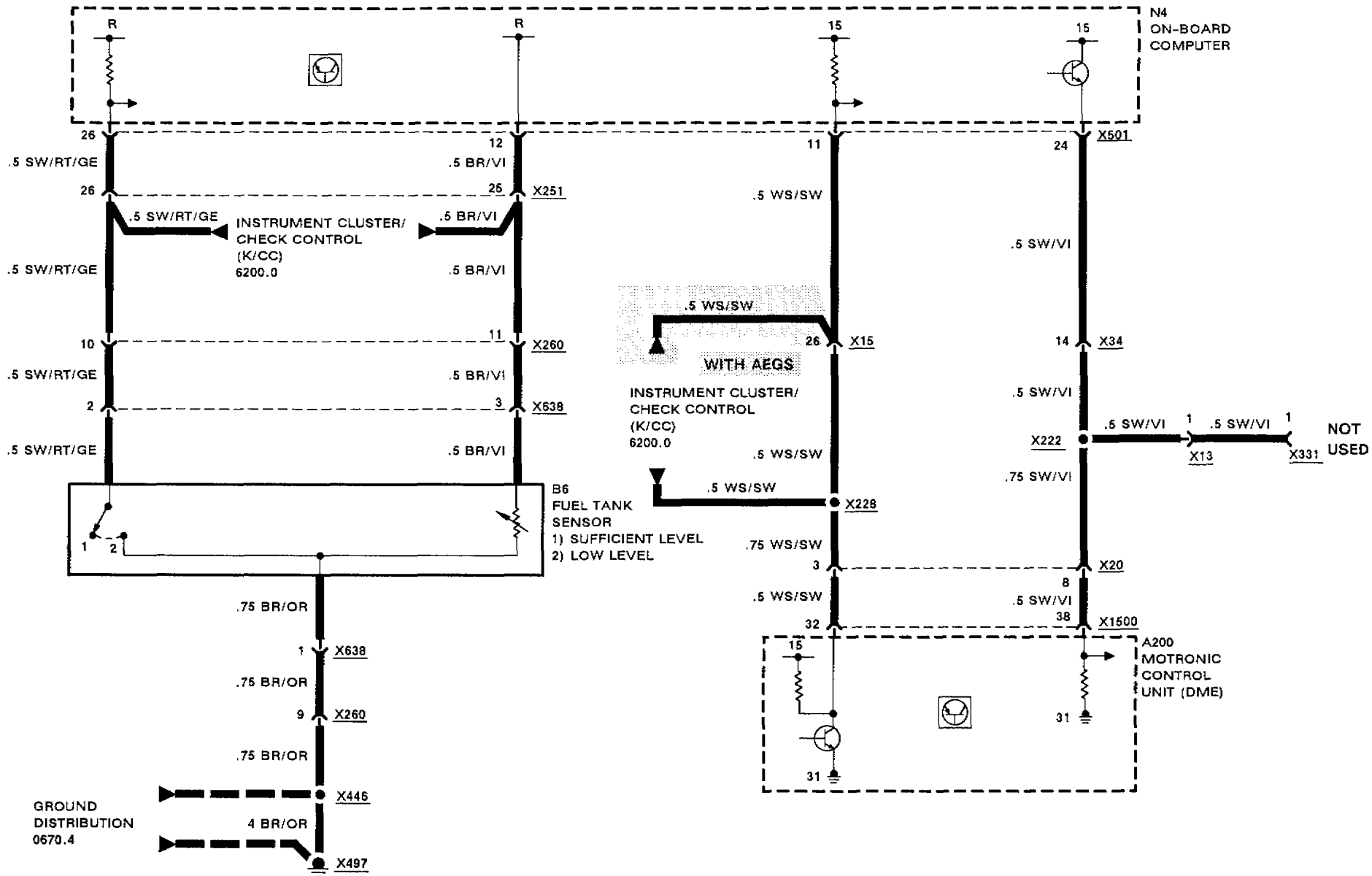
ANTITHEFT HORN



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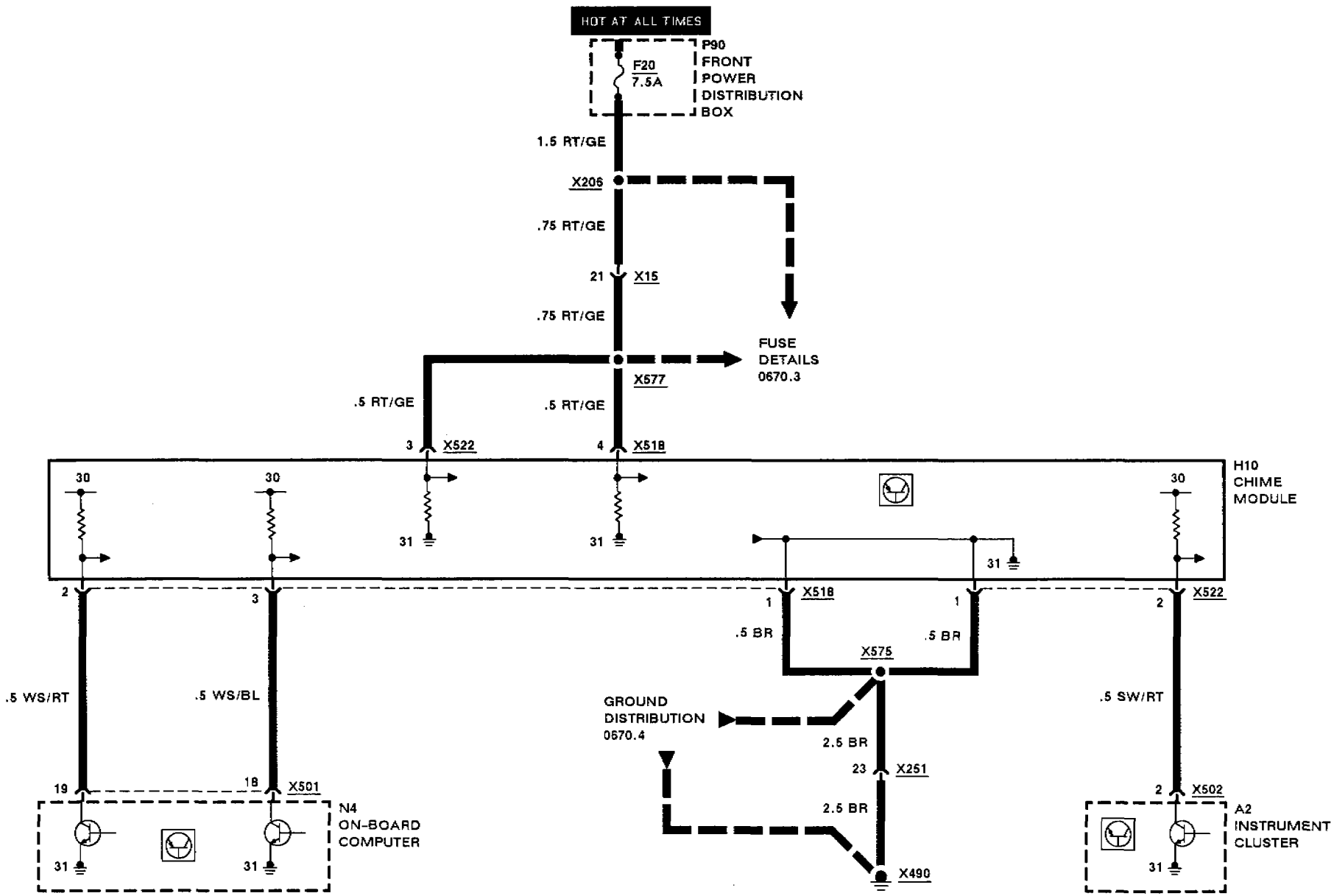
FUEL GAUGE



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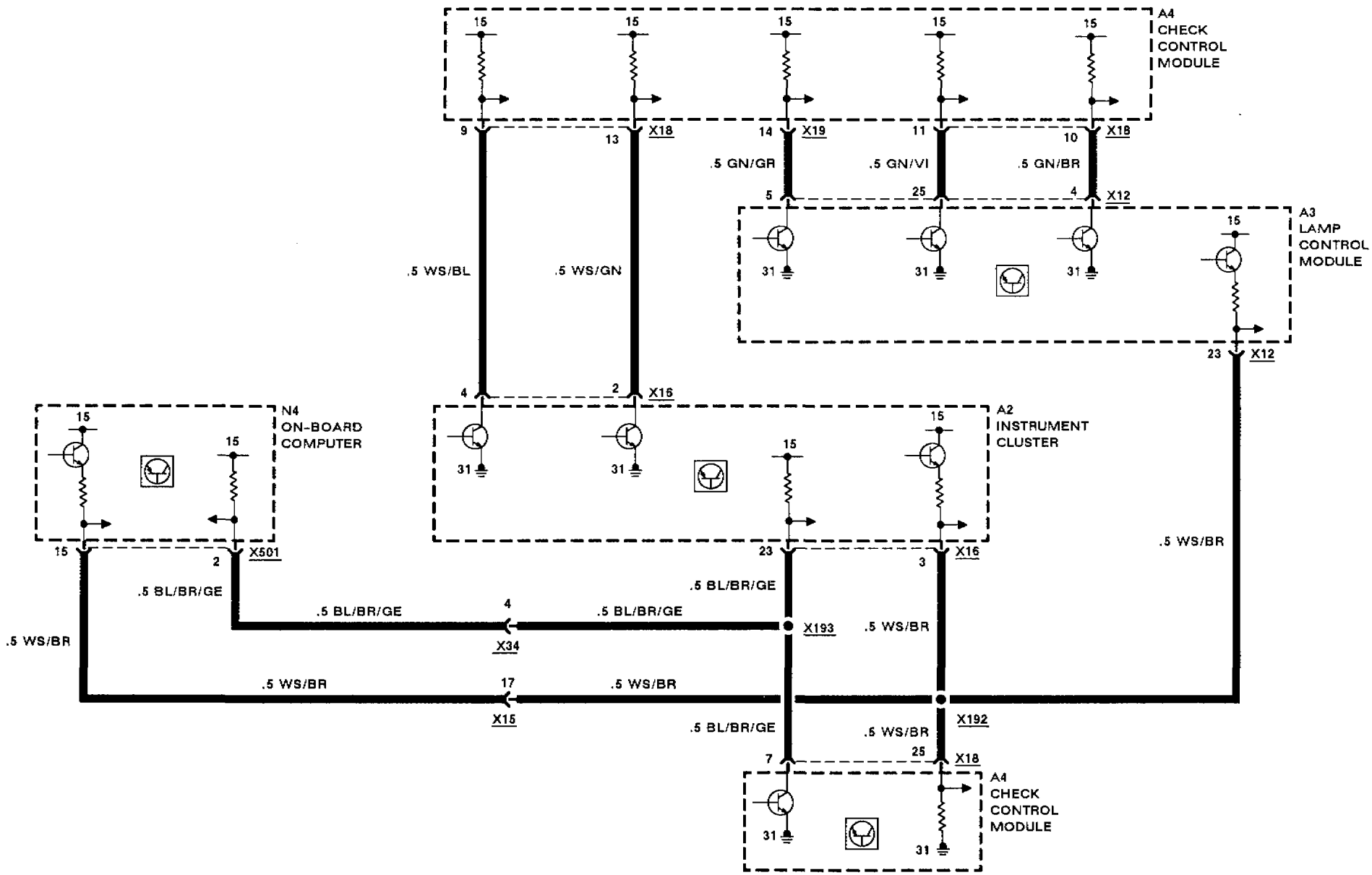
CHIME MODULE



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DATA LINK



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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
A1	General Module	Below LH side of rear seat, in P91 Rear Power Distribution Box	7100.0-34-2
A3	Lamp Control Module	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-01-1
A4	Check Control Module	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-01-1
A5	Relay Module	Below LH side of rear seat, in P91 Rear Power Distribution Box	7100.0-34-2
A7	ABS Electronic Control Unit	In P93 E-Box, behind RH front shock tower	7100.0-13-2
A8	Cruise Control Module (Tempomat)	In P93 E-Box, behind RH front shock tower	7100.0-13-2
A12	Diagnostic Module (SRS)	Behind LH side of dash, on LH side of steering column	7100.0-22-1
A16	Compressor Control Unit	Inside LH kick panel	7100.0-20-3
A17	Servotronic Control Unit	Inside LH kick panel	Not in US
A18	HIFI Amplifier	LH side of luggage compartment, on brace	7100.0-39-1
A31	Defogger Control Unit	Behind center of dash, RH side of IHKR plenum	Not in US
A200	Motronic Control Unit (DME)	In P93 E-Box, behind RH front shock tower	7100.0-13-2
A300	Electronic Transmission Control Unit (AEGS)	Inside RH kick panel	7100.0-29-3
A9000	Integrated Climate Regulation Control Unit (IHKR)	Behind center of dash, ahead of IHKR plenum	7100.0-29-2
B1	Right Front Speed Sensor	Behind RH front wheel	7100.0-17-1
B2	Left Front Speed Sensor	Behind LH front wheel	7100.0-16-3
B3	Right Rear Speed Sensor	Behind RH rear wheel, on axle	7100.0-17-3
B4	Left Rear Speed Sensor	Behind LH rear wheel, on axle	7100.0-17-2
B6	Fuel Tank Sensor	Below luggage compartment, through RH access panel, RH side of spare tire	7100.0-38-3
B7	Low Pressure Switch	RH front of engine compartment, below washer reservoir	7100.0-09-2
B8	High Pressure Switch	RH front of engine compartment below washer reservoir	7100.0-09-2
B9	Intermediate Pressure Switch	RH front of engine compartment, below washer reservoir	7100.0-09-2
B10	Vehicle Speed Sensor	Rear of car, on differential	7100.0-20-2
B11	Left Heat Exchanger Temperature Sensor	Behind LH side of dash, in LH side of IHKR plenum	7100.0-25-1
B12	Right Heat Exchanger Temperature Sensor	Behind RH side of dash, in RH side of IHKR plenum	7100.0-29-1

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
B13	Outside Temperature Sensor	Behind center of cowl, on RH side of M30 Blower Motor	7100.0-15-3
B14	Evaporator Temperature Sensor	Behind LH side of dash, on lower LH side of IHKR plenum	7100.0-25-2
B15	Electro-Hydraulic Converter (Servotronic)	Lower LH front of engine compartment, behind LH front wheel	Not in US
B16	Left Front Brake Pad Sensor	Behind LH front wheel, on caliper	7100.0-16-3
B17	Right Rear Brake Pad Sensor	Behind RH rear wheel, on caliper	7100.0-17-3
B18	Brake Fluid Level Switch (M20 Engine)	LH rear of engine compartment, top of brake fluid reservoir	7100.0-02-2
B18	Brake Fluid Level Switch (M30 Engine)	LH rear of engine compartment, top of brake fluid reservoir	7100.0-02-3
B21	On-Board Computer Temperature Sensor	Under LH side of front bumper	7100.0-16-2
B201	Cylinder Identification Sensor	RH front of engine, near distributor	7100.0-10-3
B202	Engine Speed/Reference Point Sensor	Front of engine, below distributor	7100.0-10-3
B203	Oxygen Sensor (M30 Engine)	In top of catalyst, near rear of transmission	7100.-19-3
B203	Oxygen Sensor (M20 Engine)	Lower RH side of engine compartment	7100.0-12-3
B204	Coolant Temperature Sensor (M30 Engine)	On coolant inlet, near valve cover	7100.0-10-2
B204	Coolant Temperature Sensor (M20 Engine)	On coolant inlet, near valve cover	7100.0-10-1
B205	Oil Level Sensor (M20 Engine)	On bottom of oil pan	7100.0-18-1
B205	Oil Level Sensor (M30 Engine)	On bottom of oil pan	7100.0-18-2
B206	Oil Pressure Switch (M30 Engine)	Top rear of engine, rear of cylinder head	7100.0-15-2
B206	Oil Pressure Switch (M20 Engine)	Lower LH front of engine	7100.0-19-1
B207	Coolant Temperature Sender (M30 Engine)	On coolant inlet, near valve cover	7100.0-10-2
B207	Coolant Temperature Sender (M20 Engine)	On coolant inlet, near valve cover	7100.0-10-1
B208	Air Flow Meter (M20 Engine)	LH side of engine	7100.0-05-3
B208	Air Flow Meter (M30 Engine)	Top center of engine, ahead of oil fill cap	7100.0-12-2
B210	Temperature Switch	In P93 E-Box, behind RH front shock tower	7100.0-14-1
B900	Jumper Plug	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
C100	Contact Ring	Inside steering wheel	7100.0-23-2

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
C900	Defogger Coupler	In RH "C" Pillar	7100.0-38-2
D100	Diagnostic Connector	LH rear of engine compartment, RH side of shock tower	7100.0-01-3
E48	Door Lock Heater	In door, at key lock assembly	
E51	Left Washer Jet Heater	Under cover, on engine hood	7100.0-07-3
E52	Right Washer Jet Heater	Under cover, on engine hood	7100.0-08-1
E56	Driver's Seatback Heater	In back of driver's seat	
E57	Driver's Seat Heater	In driver's seat	
E58	Passenger's Seat Heater	In passenger's seat	
E59	Passenger's Seatback Heater	In back of passenger's seat	
F0	Fusible Link 80A	RH side of engine compartment	7100.0-09-3
F99	Fusible Link 50A (535i)	Below RH side of rear seat	7100.0-36-3
F99	Fusible Link 50A (525i)	Below RH side of rear seat	7100.0-36-1
G1	Battery (M30 Engine)	Below RH side of rear seat	7100.0-36-3
G1	Battery (M20 Engine)	RH front of engine compartment	7100.0-09-3
G2	Alternator	Lower LH front of engine	7100.0-06-3
G5	Driver's Air Bag Generator	Inside center of steering wheel	7100.0-23-2
H2	Left Horn	Front of car, behind grille	7100.0-08-2
H3	Right Horn	Front of car, behind grille	7100.0-08-2
H10	Chime Module	Behind LH side of dash, mounted in hush panel	7100.0-21-3
H60	Audible Turn-Signal Relay	Below steering column	7100.0-24-1
H9002	On Board Computer Antitheft Horn	Behind center of cowl	7100.0-15-3
K1	Starter Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
K2	Horn Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
K3	Unloader Relay, KLR	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
K4	Blower Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
K5	Washer Pump Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	Not in US
K9	Unloader Relay, KL15	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-01-1
K11	Wiper Relay	Below LH side of rear seat, on P91 Rear Power Distribution Box	7100.0-34-3
K12	Wiper Pressure Control (ADV) Relay	Below LH side of rear seat, on P91 Rear Power Distribution Box	7100.0-34-2
K13	Rear Defogger Relay	Below LH side of rear seat, on P91 Rear Power Distribution Box	7100.0-34-3
K15	Electric Power Protection Relay	Below LH side of rear seat, on P91 Rear Power Distribution Box	7100.0-34-3
K16	Hazard Flasher Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
K21	Normal Speed Relay	LH side of engine compartment, in P92 Auxiliary Relay Box	7100.0-04-1
K22	High Speed Relay	LH side of engine compartment, in P92 Auxiliary Relay Box	7100.0-04-1
K33	Air Conditioning Relay	LH side of engine compartment, in P92 Auxiliary Relay Box	7100.0-04-1
K50	Water Pump Relay	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-01-1
K91	On-Board Computer Horn Relay	Below LH side of rear seat, ahead of P91 Rear Power Distribution Box	7100.0-35-1
K201	Fuel Pump Relay (M20 Engine)	In P93 E-Box, behind RH front shock tower	7100.0-14-1
K201	Fuel Pump Relay (M30 Engine)	In P93 E-Box, behind RH front shock tower	7100.0-13-3
K202	Main Relay (M20 Engine)	In P93 E-Box, behind RH front shock tower	7100.0-14-1
K202	Main Relay (M30 Engine)	In P93 E-Box, behind RH front shock tower	7100.0-13-3
K203	Oxygen Sensor Relay	In P93 E-Box, behind RH shock tower	7100.0-13-3
M1	Starter (M20 Engine)	LH side of engine, below intake manifold	7100.0-03-1

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
M1	Starter (M30 Engine)	LH side of engine, below intake manifold	7100.0-03-2
M2	Fuel Pump	Below luggage compartment, RH side of spare tire	7100.0-38-3
M3	Wiper Motor	Behind LH side of fresh air cowl	7100.0-00-1
M4	Washer Pump	RH front of engine compartment, on washer fluid reservoir	7100.0-09-1
M5	Intensive Wash Pump	RH front of engine compartment, on washer fluid reservoir	Not in US
M6	Wiper Pressure Control Motor (ADV)	Behind LH side of fresh air cowl	7100.0-00-2
M9	Auxiliary Fan Motor	Center front of engine compartment, behind bumper	7100.0-08-2
M12	Driver's Door Lock Motor	Top rear of driver's door	7100.0-30-3
M13	Passenger's Door Lock Motor	Top rear of passenger's door	7100.0-30-3
M14	Right Rear Door Lock Motor	Top rear of RH rear door	7100.0-31-2
M15	Left Rear Door Lock Motor	Top rear of LH rear door	7100.0-31-2
M16	Gas Filler Lock Motor	In luggage compartment, behind RH wheel well	7100.0-39-2
M17	Trunk Lock Motor	In trunk lid, RH side of lid lock assembly	7100.0-40-2
M20	Left Rear Window Motor	Lower front of LH rear door	7100.0-31-2
M21	Driver's Window Motor	Lower front of driver's door	7100.0-30-3
M22	Right Rear Window Motor	Lower front of RH rear door	7100.0-31-2
M23	Passenger's Window Motor	Lower front of passenger's door	7100.0-30-3
M24	Sunroof Motor	In center of windshield header, near rear view mirror	7100.0-25-3
M25	Cruise Control Actuator (Tempomat)	Left center of engine compartment, ahead of shock tower	7100.0-05-2
M30	Blower Motor	Behind center of cowl	7100.0-15-3
M31	Left Footwell Flap Motor	Behind LH side of dash, on LH side of IHKR plenum	7100.0-25-1
M32	Right Footwell Flap Motor	Behind RH side of dash, on RH side of IHKR plenum	7100.0-29-1
M34	Right Mixing Flap Motor	Behind center of dash, RH side of N9 Radio	7100.0-29-1
M35	Defroster Flap Motor	Behind LH side of dash, on lower LH side of IHKR plenum	7100.0-25-1
M36	Fresh Air Flap Motor	Behind LH side of dash, on LH side of IHKR plenum	7100.0-25-1
M37	Water Pump	LH rear of engine compartment, on engine bulkhead	7100.0-02-1
M40	Air Circulation Flap Motor	Behind LH side of dash, on LH side of IHKR plenum	7100.0-25-1

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
M50	Driver's Seat Cushion Tilt Motor	Under LH side of driver's seat	7100.0-31-3
M51	Driver's Seat Movement Motor	Under RH side of driver's seat	7100.0-32-1
M52	Driver's Seat Height Motor	Under front of driver's seat	7100.0-31-3
M53	Driver's Seatback Recliner Motor	Under front of driver's seat	7100.0-31-3
M54	Driver's Headrest Motor	In top RH corner of driver's seatback	7100.0-34-1
M57	Passenger's Seat Headrest Motor	In top RH corner of passenger's seatback	7100.0-34-1
M58	Passenger's Seatback Recliner Motor	Under front of passenger's seat	7100.0-32-3
M59	Passenger's Seat Height Motor	Under front of passenger's seat	7100.0-32-3
M60	Passenger's Seat Movement Motor	Under RH side of passenger's seat	7100.0-32-3
M61	Passenger's Seat Cushion Tilt Motor	Under LH side of passenger's seat	7100.0-32-3
M201	E-Box Fan	In P93 E-Box, below modules	7100.0-14-2
N2	Final Stage Unit	In LH side of RH footwell, ahead of IHKR plenum	7100.0-29-2
N4	On-Board Computer	Center of dash, RH side of N9 Radio	7100.0-26-2
N8	Antenna Amplifier	In LH "C" pillar	7100.0-38-1
N17	Crash Control Unit	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-01-1
P90	Front Power Distribution Box	LH rear of engine compartment	7100.0-02-1
P91	Rear Power Distribution Box	Below LH side of rear seat	7100.0-34-2
P92	Auxiliary Relay Box	LH side of engine compartment, ahead of shock tower	7100.0-05-2
P93	E-Box	RH side of engine, behind RH front shock tower	7100.0-13-1
R1	Temperature Distribution Potentiometer	Behind center of dash, above N9 Radio	7100.0-26-2
S10000	Rear Vent Flap Switch	In rear of console, on rear vent flap	
S2	Ignition Switch	Top RH side of steering column	7100.0-24-1
S3	Automatic Transmission Range Switch	Under console, at base of gear shifter	7100.0-28-1
S4	Horn Switch	Top of steering column, in steering wheel	
S7	Combination Switch	Inside top of steering column	7100.0-23-3
S13	Passenger's Door Jamb Switch	In center rear of passenger's door jamb, in latch assembly	
S14	Driver's Door Jamb Switch	In center rear of driver's door jamb, in latch assembly	
S15	Right Rear Door Jamb Switch	In top of RH rear door jamb, in latch assembly	
S16	Left Rear Door Jamb Switch	In top rear of LH rear door jamb, in latch assembly	

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
S19	Underhood Light Switch	LH front of hood	7100.0-07-2
S21	Engine Hood Switch	LH rear of engine compartment, rear of shock tower	7100.0-01-1
S22	Battery Switch	Under RH side of rear seat, near battery	Not in US
S24	Rear Seat Switch	Under RH side of rear seat, right of battery	Not in US
S27	Inertia Switch	Below center of rear seat, RH side of P91 Rear Power Distribution Box	7100.0-35-3
S29	Brake Light Switch	Behind LH side of dash, on brake pedal support bracket	7100.0-22-1
S31	Park Brake Switch	Below console, on rear of park brake lever	7100.0-28-2
S32	Clutch Switch	Behind LH side of dash, on clutch pedal support bracket	
S36	Temperature Switch	RH top of radiator	7100.0-08-3
S37	Glove Box Light Switch	In LH side of glove box	7100.0-28-3
S39	Sunroof Position Switch	In center of windshield header, near rear view mirror	7100.0-25-3
S43	Driver's Window Limit Switch	Center front of driver's door	7100.0-30-3
S44	Passenger's Window Limit Switch	Center front of passenger's door	7100.0-30-3
S45	Left Rear Window Limit Switch	Center front of LH rear door	7100.0-31-2
S46	Right Rear Window Limit Switch	Center front of RH rear door	7100.0-31-2
S47	Driver's Door Lock Switch	Behind driver's door lock assembly	
S48	Driver's Door Handle Switch	In top rear of driver's door, near door handle cable	
S49	Passenger's Door Lock Switch	Behind passenger's door lock assembly	
S58	Driver's Seat Belt Switch	In driver's seat belt buckle	
S61	Trunk Lid Switch	In center of trunk lid, in trunk latch assembly	7100.0-40-1
S63	Coolant Level Switch	Top of coolant reservoir	7100.0-12-2
S64	Washer Fluid Level Switch	RH side of washer fluid reservoir	7100.0-09-1
S70	Safety Switch	LH side of engine compartment, near S71 Left Front Crash Sensor	
S71	Left Front Crash Sensor	Ahead of LH shock tower	7100.0-04-1
S72	Right Front Crash Sensor	Ahead of RH shock tower	7100.0-11-3
S77	Driver's Makeup Mirror Switch	In driver's visor	
S78	Passenger's Makeup Mirror Switch	In passenger's visor	
S200	Throttle Switch (M20 Engine)	LH rear of engine	7100.0-03-3

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
S200	Throttle Switch (M30 Engine)	Top of engine, on throttle body	7100.0-12-2
S301	Transmission Kickdown Switch	Behind LH side of dash, underneath accelerator pedal	7100.0-24-3
S302	Back-Up Switch	Top RH side of transmission	
S901	Passenger's Visor Switch	LH hinge of passenger's visor	7100.0-26-1
S902	Driver's Visor Switch	RH hinge of driver's visor	7100.0-26-1
T200	Ignition Coil	RH side of engine compartment, at strut tower	7100.0-14-3
V6	Diode	Behind center of dash	
X779	Charging Plug	In LH side of glove box	7100.0-28-3
Y1	ABS Hydraulic Unit (M30 Engine)	LH center of engine compartment, near shock tower	7100.0-02-3
Y1	ABS Hydraulic Unit (M20 Engine)	LH center of engine compartment, near shock tower	7100.0-02-2
Y2	Compressor Clutch	Lower RH front of engine	7100.0-18-3
Y4	Water Valve Assembly	LH rear of engine compartment, on engine bulkhead	7100.0-02-1
Y201	Fuel Injector 1	Top of engine, near B207 Coolant Temperature Sender	7100.0-12-1
Y202	Fuel Injector 2	Top of engine, on intake manifold	7100.0-12-1
Y203	Fuel Injector 3	Top of engine, on intake manifold	7100.0-12-1
Y204	Fuel Injector 4	Top of engine, on intake manifold	7100.0-12-1
Y205	Fuel Injector 5	Top of engine, on intake manifold	7100.0-12-1
Y206	Fuel Injector 6	Top of engine, on intake manifold	7100.0-12-1
Y213	Fuel Air Valve (M20 Engine)	LH rear of engine	7100.0-03-3
Y213	Fuel Air Valve (M30 Engine)	LH side of engine, RH side of oil filter	7100.0-04-3
Y214	Idle Speed Actuator (M20 Engine)	On center rear of throttle body	7100.0-05-3
Y214	Idle Speed Actuator (M30 Engine)	On center rear of throttle body	7100.0-12-2
Y300	Transmission	LH rear side of transmission	7100.0-19-2
X1.0	Junction Post for Front Power Distribution Box	Behind LH side of dash, under carpet	7100.0-21-2
X1.1	Junction Post for Front Power Distribution Box	LH rear of engine compartment, in P90 Front Power Distribuiton Box	7100.0-01-2
X1.2	Junction Post for Front Power Distribution Box	LH rear corner of engine compartment, in P90 Front Power Distribution Box	7100.0-01-2
X13	Connector (21 pins)	Below LH side of dash, below driver's footrest (White)	7100.0-21-1
X14	Connector (30 pins)	Below LH side of dash, below driver's footrest (Yellow)	7100.0-21-1

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X15	Connector (30 pins)	Below LH side of dash, near kick panel	7100.0-22-2
X16	Connector (26 pins)	Behind LH side of dash, on rear of A2 Instrument Cluster (Yellow)	7100.0-24-2
X17	Connector (24 pins)	Behind LH side of dash, on rear of A2 Instrument Cluster (Brown)	7100.0-24-2
X18	Connector (26 pins)	LH rear of engine compartment, on A4 Check Control Module (Blue)	
X19	Connector (26 pins)	LH rear of engine compartment, on A4 Check Control Module (Green)	
X20	Connector (20 pins)	LH rear of engine compartment, near shock tower	7100.0-01-3
X22	Connector (26 pins)	RH rear of engine compartment, on A8 Cruise Control Module (Tempomat)(Blue)	7100.0-13-3
X31	Connector (12 pins)	LH center of engine compartment, on Y1 ABS Hydraulic Unit, under plastic cover	
X32	Connector (12 pins)	Behind LH side of dash, LH side of steering column	7100.0-22-2
X33	Connector (12 pins)	Behind LH side of dash, near kick panel	7100.0-22-2
X34	Connector (21 pins)	Behind LH side of dash, near kick panel	7100.0-22-2
X35	Connector (21 pins)	Behind LH side of dash, near kick panel	7100.0-22-3
X61	Connector (9 pins)	LH rear of engine compartment, inside P92 Auxiliary Relay Box	7100.0-04-1
X62	Connector (9 pins)	LH rear of engine compartment, in P90 Front Power Distribution Box	7100.0-00-3
X71	Connector (8 pins)	Above E26 Left Fog Light	7100.0-16-1
X72	Connector (8 pins)	Behind LH side of dash, LH side of steering column	7100.0-22-2
X74	Connector (8 pins)	Behind LH side of dash, above footrest	7100.0-23-1
X75	Connector (6 pins)	Behind LH side of dash, above footrest	7100.0-23-1
X79	Connector (4 pins)	In P93 E-Box, behind RH front shock tower	7100.0-14-1
X81	Connector (3 pins)	Ahead of LH shock tower	7100.0-04-1
X83	Connector (3 pins)	Inside LH kick panel (Yellow)	7100.0-20-3
X84	Connector (3 pins)	Inside LH kick panel (Yellow)	7100.0-20-3

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X85	Connector (3 pins)	LH rear of engine compartment	7100.0-01-3
X86	Connector (3 pins)	Ahead of RH shock tower	7100.0-11-3
X88	Connector (3 pins)	Behind LH side of dash, on LH side of steering column	7100.0-22-3
X105	Connector (2 pins)	On engine hood, under cover	7100.0-07-3
X106	Connector (2 pins)	On engine hood, under cover	7100.0-08-1
X110	Connector (2 pins)	RH front corner of engine compartment	7100.0-09-1
X113	Connector (2 pins)	RH rear of engine compartment, near base of shock tower	7100.0-11-2
X114	Connector (2 pins)	LH rear of engine compartment, bottom of shock tower	7100.0-04-2
X118	Connector (2 pins)	On LH front wheel, above brake caliper	7100.0-16-3
X120	Connector (2 pins)	LH side of engine compartment	7100.0-04-2
X121	Connector (2 pins)	Behind LH side of dash, near clutch switch	7100.0-22-3
X122	Connector (2 pins)	LH rear of engine compartment, on engine bulkhead	7100.0-01-3
X126	Connector (2 pins)	RH front corner of engine compartment	7100.0-09-2
X127	Connector (2 pins)	RH front corner of engine compartment	7100.0-09-2
X146	Connector (1 pin)	LH rear of engine compartment, in P90 Front Power Distribution Box	
X163	Connector (3 pins)	RH front of engine compartment, near Y2 Compressor Clutch	7100.0-11-1
X165	Ground (Dash)	Behind LH side of dash, LH side of steering column	7100.0-22-1
X166	Ground	RH front of engine compartment, ahead of wheel well	7100.0-09-2
X167	Ground	LH front of engine compartment, ahead of wheel well	7100.0-06-2
X170	Terminal Post	LH side of engine compartment, on Y1 ABS Hydraulic Unit	7100.0-04-2
X175	Ground	LH front of engine compartment, ahead of wheel well	7100.0-06-2
X179	Ground	RH front of engine compartment, ahead of wheel well	7100.0-09-2
X251	Connector (30 pins)	Behind LH side of dash, LH side of steering column	7100.0-22-1
X252	Connector (26 pins)	Below LH side of rear seat	7100.0-35-1
X253	Connector (26 pins)	Below LH side of rear seat, on A1 General Module (Green)	

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X254	Connector (26 pins)	Below LH side of rear seat, on A1 General Module (White)	
X255	Connector (26 pins)	Below LH side of rear seat, on A1 General Module (Yellow)	
X256	Connector (26 pins)	Inside front of RH front door jamb, in wire grommet housing	7100.0-30-1
X257	Connector (26 pins)	Inside front of LH front door jamb, in wire grommet housing	7100.0-30-1
X258	Connector (20 pins)	Below LH side of rear seat, on A5 Relay Module (White)	
X259	Connector (20 pins)	Below LH side of rear seat, on A5 Relay Module (Black)	
X260	Connector (21 pins)	Below RH side of rear seat, near battery (Black)	7100.0-37-3
X262	Connector (26 pins)	Below LH side of rear seat	7100.0-34-2
X269	Connector (6 pins)	Below LH side of rear seat	7100.0-34-3
X271	Connector (12 pins)	Behind LH side of dash, on rear of A2 Instrument Cluster (Gray)	7100.0-24-2
X272	Connector (12 pins)	Below LH side of rear seat, near P91 Rear Power Distribution Box	7100.0-34-2
X273	Connector (12 pins)	Inside front of LH rear door jamb, in wire grommet housing	7100.0-30-2
X274	Connector (12 pins)	Inside front of RH rear door jamb, in wire grommet housing	7100.0-30-2
X275	Connector (12 pins)	Under driver's seat	7100.0-32-1
X277	Connector (10 pins)	Inside front of LH rear door jamb, in wire grommet housing	7100.0-30-2
X278	Connector (10 pins)	Inside front of RH rear door jamb, in wire grommet housing	7100.0-30-2
X279	Connector (12 pins)	Under passenger's seat	7100.0-33-2
X295	Connector (8 pins)	Behind LH side of dash, LH side of steering column	7100.0-22-2
X297	Connector (9 pins)	Below LH side of rear seat	
X316	Connector (6 pins)	On S40 Front Console Window Switch Assembly (White)	7100.0-28-2
X317	Connector (6 pins)	On S40 Front Console Window Switch Assembly (Black)	7100.0-28-2

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X318	Connector (4 pins)	In trunk, behind E17 Right Rear Light Assembly	7100.0-39-2
X319	Connector (4 pins)	In trunk, behind E16 Left Rear Light Assembly	7100.0-39-1
X322	Connector (6 pins)	Below LH side of rear seat, near P91 Rear Power Distribution Box	7100.0-34-2
X328	Connector (4 pins)	RH side of trunk lid, on E47 Right Trunk Light Assembly	7100.0-40-2
X329	Connector (4 pins)	LH side of trunk lid, on E46 Left Trunk Light Assembly	7100.0-39-3
X331	Connector (5 pins)	Below LH side of rear seat, on K91 On-Board Computer Horn Relay (Green)	
X332	Connector (5 pins)	Below LH side of rear seat, on A1 General Module (White)	
X333	Connector (4 pins)	Behind LH fresh air cowl	7100.0-00-1
X334	Connector (4 pins)	Behind LH fresh air cowl	7100.0-00-1
X335	Connector (4 pins)	Below LH side of rear seat, on K91 On-Board Computer Horn Relay (Green)	
X336	Connector (4 pins)	In center of windshield header	7100.0-25-3
X337	Connector (4 pins)	Below LH side of rear seat	7100.0-34-3
X342	Connector (4 pins)	Behind RH side of dash, above RH kick panel	7100.0-29-3
X355	Connector (3 pins)	In RH "C" pillar	7100.0-38-2
X356	Connector (3 pins)	In LH "C" pillar	7100.0-38-1
X358	Connector (3 pins)	In RH rear of trunk lid	7100.0-40-2
X360	Connector (2 pins)	In LH side of windshield header, above LH visor	
X371	Connector (2 pins)	Behind LH fresh air cowl	7100.0-00-1
X374	Connector (2 pins)	Below RH side of rear seat	7100.0-37-2
X375	Connector (2 pins)	Below RH side of rear seat	7100.0-37-1
X376	Connector (2 pins)	Below LH side of rear seat, behind P91 Rear Power Distribution Box	7100.0-34-2
X377	Connector (2 pins)	Below RH side of rear seat, behind battery	7100.0-37-1
X393	Connector (6 pins)	In LH rear corner of trunk	7100.0-39-1
X400	Connector (3 pins)	LH rear corner of trunk	7100.0-39-1
X416	Connector (2 pins)	LH side of windshield header, near LH visor	
X417	Connector (2 pins)	RH side of windshield header, near RH visor	

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X418	Connector (1 pin)	Below LH side of rear seat	7100.0-35-1
X490	Ground	Behind LH side of dash, LH side of steering column	7100.0-22-1
X491	Ground	Behind LH side of dash, LH side of steering column	7100.0-22-1
X492	Ground	Below LH side of rear seat, near P91 Rear Power Distribution Box	7100.0-35-2
X493	Ground	Below LH side of rear seat, near P91 Rear Power Distribution Box	7100.0-35-2
X495	Ground	Below RH side of rear seat, RH side of battery	7100.0-36-3
X496	Ground	Below RH side of rear seat, RH side of battery	7100.0-36-3
X497	Ground (Battery)	Ahead of RH side of rear seat, under carpet	7100.0-36-2
X501	Connector (26 pins)	Behind center of dash, on N4 On-Board Computer	
X502	Connector (26 pins)	Behind LH side of dash, on rear of A2 Instrument Cluster (White)	7100.0-24-2
X506	Connector (12 pins)	Below center console, front of gear shifter	7100.0-28-1
X511	Connector (8 pins)	Below center console	7100.0-28-1
X512	Connector (8 pins)	Behind RH side of dash, taped to harness	
X514	Connector (6 pins)	Behind center of dash, in harness	
X518	Connector (4 pins)	Behind LH side of dash, on H10 Chime Module (Black)	7100.0-21-3
X522	Connector (3 pins)	Behind LH side of dash, on H10 Chime Module (White)	7100.0-21-3
X526	Connector (8 pins)	Below LH side of dash, at kick panel	7100.0-22-2
X539	Connector (2 pins)	Behind center of dash, LH side of N9 Radio	
X546	Connector (2 pins)	Below center console, LH side of manual gear selector	7100.0-27-3
X605	Connector (12 pins)	LH side of trunk, on A18 HIFI Amplifier (Black)	
X606	Connector (12 pins)	LH side of trunk, on A18 HIFI Amplifier (White)	
X610	Connector (26 pins)	Behind center of dash, on A9000 Integrated Climate Regulation Control Unit (IHKR) (White)	7100.0-25-2
X611	Connector (26 pins)	Behind center of dash, on A9000 Integrated Climate Regulation Control Unit (IHKR) (Green)	7100.0-25-2
X612	Connector (26 pins)	Behind center of dash, on S9000 Integrated Climate Regulation Switch (IHKR) (Blue)	7100.0-27-2

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X613	Connector (26 pins)	Behind center of dash, on A9000 Integrated Climate Regulation Control Unit (IHKR) (Blue)	7100.0-29-2
X614	Connector (26 pins)	Behind center of dash, on A9000 Integrated Climate Regulation Control Unit (IHKR) (Yellow)	7100.0-29-2
X623	Connector (4 pins)	In top front of driver's door	
X624	Connector (4 pins)	In top front of passenger's door	
X627	Connector (8 pins)	In center of windshield header	7100.0-25-3
X633	Connector (8 pins)	Behind center of dash, near N9 Radio	7100.0-26-3
X638	Connector (8 pins)	Below trunk, RH side of spare tire	7100.0-38-3
X652	Connector (6 pins)	Under driver's seat	7100.0-32-1
X659	Connector (6 pins)	Under passenger's seat	7100.0-33-3
X684	Connector (3 pins)	In passenger's door, near door handle	7100.0-31-1
X685	Connector (3 pins)	In driver's door, near door handle	7100.0-31-1
X692	Connector (3 pins)	Behind center of dash, behind LH side of N9 Radio	7100.0-27-1
X693	Connector (3 pins)	Behind center of dash, on S9000 Integrated Climate Regulation Switch (IHKR) (Black)	7100.0-27-2
X702	Connector (2 pins)	Behind center of dash, on N9 Radio (White)	7100.0-26-3
X703	Connector (2 pins)	Behind center of dash, on N9 Radio (Black)	7100.0-26-3
X705	Connector (2 pins)	Below car, near RH rear suspension frame attachment point	7100.0-20-1
X713	Connector (2 pins)	At RH rear wheel, above brake caliper	7100.0-17-3
X714	Connector (2 pins)	In lower rear of LH rear door	7100.0-31-2
X715	Connector (2 pins)	In center rear of LH rear door	7100.0-31-2
X720	Connector (2 pins)	In lower rear of RH rear door	7100.0-31-2
X721	Connector (2 pins)	In center rear of RH rear door	7100.0-31-2
X726	Connector (2 pins)	Under RH side of driver's seat	7100.0-32-1
X727	Connector (2 pins)	Under LH side of driver's seat	7100.0-32-2
X728	Connector (2 pins)	Under front of driver's seat	7100.0-31-3
X729	Connector (2 pins)	Under front of driver's seat	7100.0-31-3
X731	Connector (2 pins)	Inside RH side of driver's seatback	7100.0-34-1

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X732	Connector (2 pins)	In driver's seatback, near driver's seatback heater	7100.0-34-1
X733	Connector (2 pins)	Under RH side of driver's seat	7100.0-32-1
X734	Connector (2 pins)	Under RH side of passenger's seat	7100.0-33-2
X735	Connector (2 pins)	Under LH side of passenger's seat	7100.0-33-3
X736	Connector (2 pins)	Under front of passenger's seat	7100.0-33-1
X737	Connector (2 pins)	Under front of passenger's seat	7100.0-33-1
X738	Connector (2 pins)	Inside RH side of passenger's seatback	7100.0-34-1
X740	Connector (2 pins)	Under RH side of passenger's seat	7100.0-33-1
X741	Connector (2 pins)	In passenger's seatback, near passenger's seatback heater	7100.0-34-1
X742	Connector (2 pins)	In passenger's door, near door handle	7100.0-31-1
X743	Connector (2 pins)	In center front of passenger's door	7100.0-30-3
X744	Connector (2 pins)	In lower front of pasenger's door	7100.0-30-3
X747	Connector (2 pins)	In driver's door, near door handle	7100.0-31-1
X749	Connector (2 pins)	In lower front of driver's door	7100.0-30-3
X750	Connector (2 pins)	In center front of passenger's door	7100.0-30-3
X751	Connector (2 pins)	In driver's door, near door handle	7100.0-31-1
X752	Connector (2 pins)	In driver's door, near door handle	7100.0-31-1
X770	Connector (2 pins)	Under LH side of front bumper	7100.0-16-2
X771	Connector (2 pins)	Behind LH side of dash, on lower LH side of IHKR plenum	7100.0-25-2
X778	Connector (2 pins)	Under driver's seat, near base of driver's seat belt buckle	7100.0-32-2
X783	Connector (2 pins)	Below steering column	7100.0-24-1
X784	Connector (2 pins)	Behind LH side of dash, at kick panel	7100.0-22-1
X789	Connector (2 pins)	Rear of car, near differential	7100.0-20-2
X800	Connector (2 pins)	Inside LH kick panel	7100.0-20-3
X803	Connector (2 pins)	Behind center of dash, on N9 Radio (Black)	7100.0-27-1
X804	Connector (2 pins)	Behind center of dash, on N9 Radio (White)	7100.0-27-1
X813	Connector (1 pin)	Behind center of dash, on N9 Radio (Black)	7100.0-27-1
X815	Connector (1 pin)	Behind center of dash, near N9 Radio	7100.0-27-1

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X818	Ground	Below LH side of dash, LH side of steering column	7100.0-22-1
X910	B+ Junction Post	LH rear of engine compartment	7100.0-01-3
X948	Connector (1 pin)	In LH "C" pillar	7100.0-38-1
X949	Connector (1 pin)	In LH "C" pillar	7100.0-38-1
X951	Connector (1 pin)	In RH "C" pillar	7100.0-38-2
X952	Connector (1 pin)	In RH "C" pillar	7100.0-38-2
X953	Connector (1 pin)	In LH "C" pillar	7100.0-38-1
X955	Ground (Battery)	Lower RH front of engine compartment	7100.0-18-3
X960	B+ Junction Post	Behind LH side of dash, near accelerator pedal	7100.0-25-1
X962	B+ Junction Post	RH side of engine compartment, inside cover	7100.0-09-3
X963	B+ Junction Post	Below RH side of rear seat, inside cover	7100.0-36-1
X964	B+ Junction Post	Lower LH rear of engine compartment, on M1 Starter	7100.0-03-1
X1521	Conector (3 pins) (M20 Engine)	LH side of engine	7100.0-06-1
X1521	Connector (3 pins) (M30 Engine)	Top front of engine	7100.0-10-2
X1522	Connector (3 pins) (M20 Engine)	LH front of engine	7100.0-06-1
X1522	Connector (3 pins) (M30 Engine)	Top front of engine	7100.0-10-2
X1523	Connector (4 pins) (M20 Engine)	RH rear of engine, LH side of P93 E-Box	7100.0-15-1
X1523	Connector (4 pins) (M30 Engine)	Lower LH rear side of engine	7100.0-04-3
X1525	Connector (3 pins) (M20 Engine)	LH front of engine	7100.0-07-1
X1525	Connector (3 pins) (M30 Engine)	Lower LH front of engine	7100.0-05-1
X1532	Diagnostic Connector D100 (20 pins)	LH rear of engine compartment, RH side of shock tower	7100.0-01-3
X1533	Connector (3 pins)	Lower LH rear side of engine	7100.0-04-3
X1537	Connector (8 pins)	In P93 E-Box, behind RH front shock tower	7100.0-14-1
X1540	B+ Junction Post for E-Box	In P93 E-Box, behind RH front shock tower	7100.0-13-2
X1541	Ground	RH rear of engine compartment, near shock tower	7100.0-14-3
X1542	Ground	RH rear of engine compartment, near shock tower	7100.0-14-3
X1563	Connector (7 pins)	LH side of engine, in front of M1 Starter	7100.0-03-1
X2001	Connector (12 pins)	Behind glove box, in RH corner	7100.0-29-3
X2005	Connector (8 pins)	On LH side of transmission	7100.0-19-2
X2008	Ground	Below RH side of rear seat, RH side of battery	7100.0-37-2

source: www.ow.no

COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X9000 . . . Connector (2 pins)	Behind center of dash, on N9 Radio (Black)	7100.0-26-3
X9997 . . . Connector (2 pins)	Inside steering wheel, on G5 Driver's Air Bag Generator	7100.0-23-2

source: www.ow.no

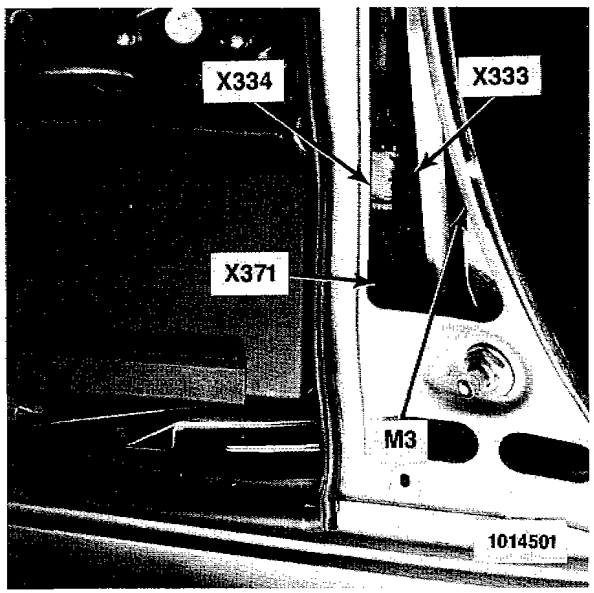


Figure 1- Behind LH Fresh Air Cowl

M3 Wiper Motor
X333 Connector (4 pins) SW
X334 Connector (4 pins) WS
X371 Connector (2 pins) SW

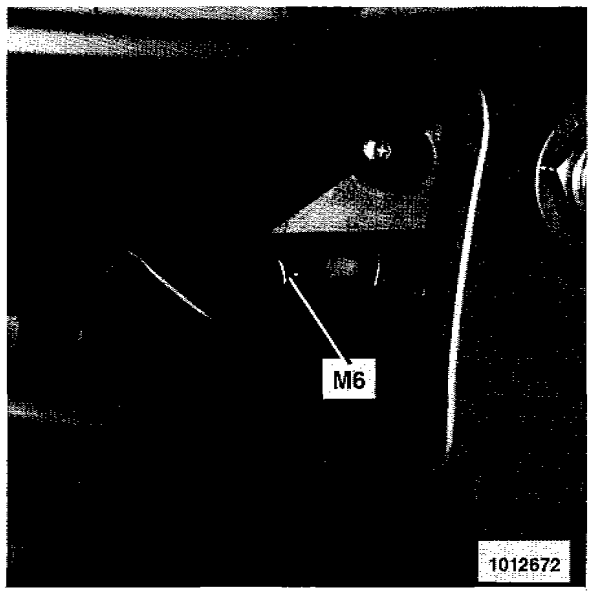


Figure 2- Behind LH Fresh Air Cowl

M6 Wiper Pressure Control Motor (ADV)

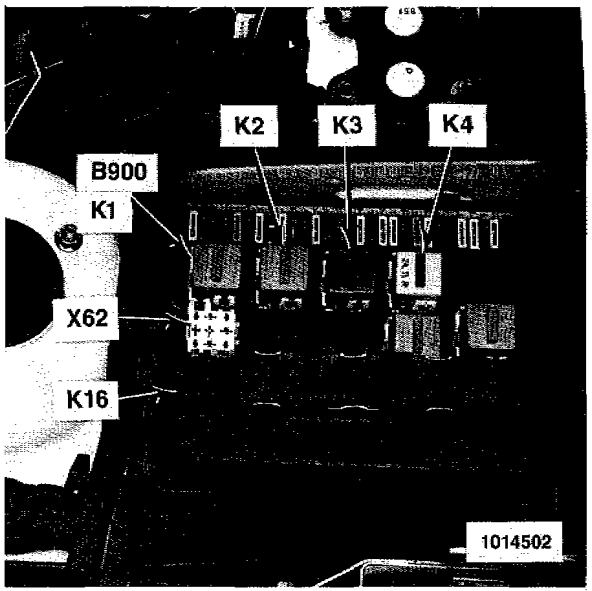


Figure 3- LH Rear Corner Of Engine Compartment

B900 Jumper Plug
K1 Starter Relay
K2 Horn Relay
K3 Unloader Relay, KLR
K4 Blower Relay
K16 Hazard Flasher Relay
X62 Connector (9 pins) WS

source: www.ow.no

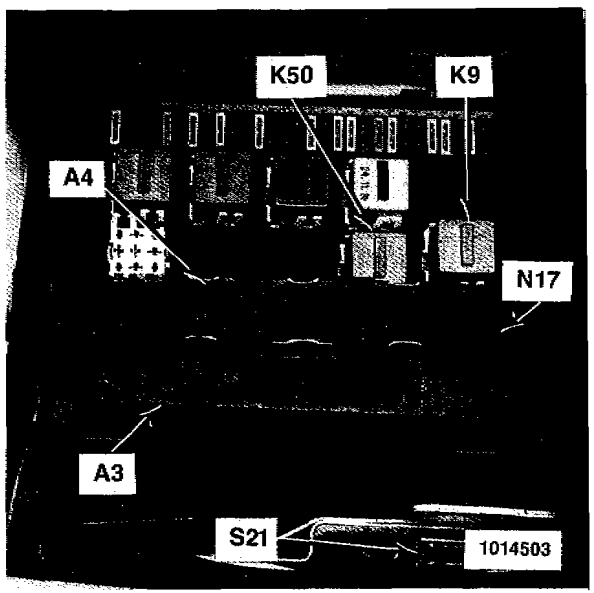


Figure 1- LH Rear Corner Of Engine Compartment

A3 Lamp Control Module
A4 Check Control Module
K9 Unloader Relay, KL15
K50 Water Pump Relay
N17 Crash Control Unit
S21 Engine Hood Switch

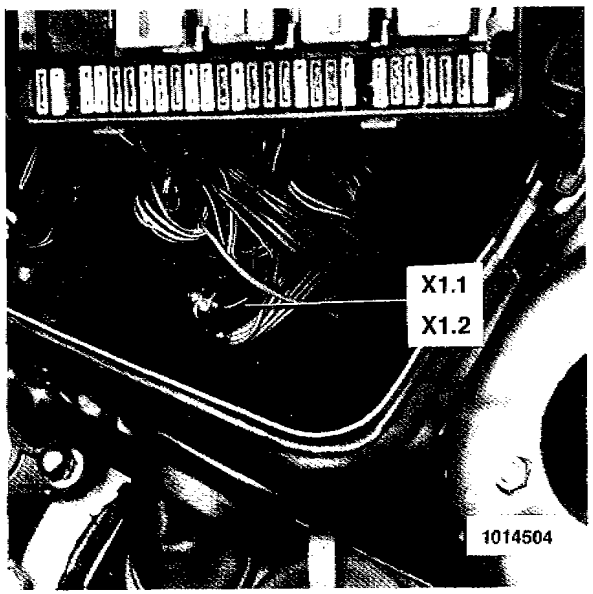


Figure 2- LH Rear Corner Of Engine Compartment

X1.1 Junction Post For Front Power Distribution Box
X1.2 Junction Post For Front Power Distribution Box

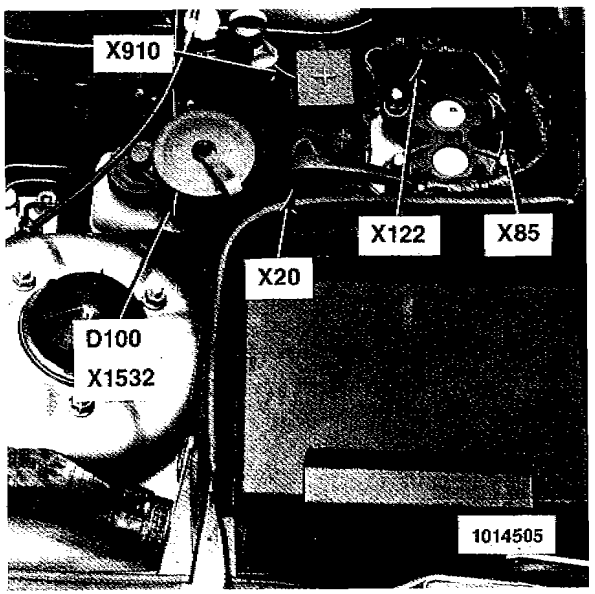


Figure 3- LH Rear Of Engine Compartment (M30 Engine Shown; M20 Engine Similar)

D100 Diagnostic Connector
X20 Connector (20 pins) SW
X85 Conenctor (3 pins) SW
X122 Connector (2 pins) SW
X1532 Diagnostic Connector (20 pins) SW
X910 B+ Junction Post

source: www.ow.no

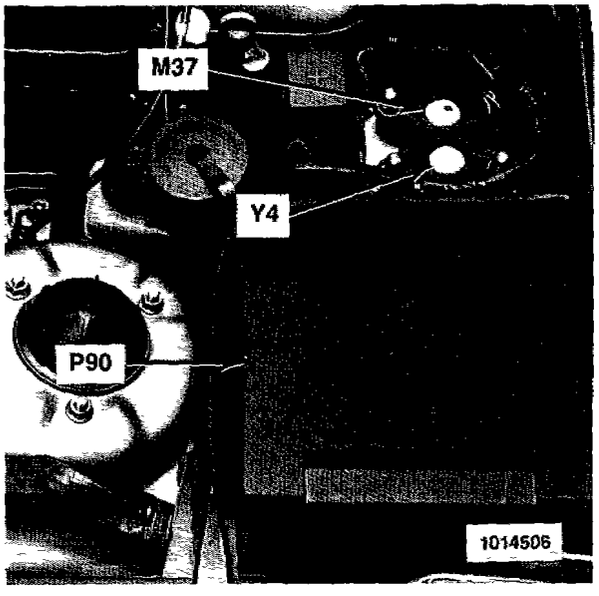


Figure 1- LH Rear Of Engine Compartment (M30 Engine Shown, M20 Engine Similar)

M37 Water Pump (Under the Water Valves)
P90 Front Power Distribution Box
Y4 Water Valve Assembly



Figure 2- LH Side Of Engine Compartment (M20 Engine)

M18 Brake Fluid Level Switch
Y1 ABS Hydraulic Unit

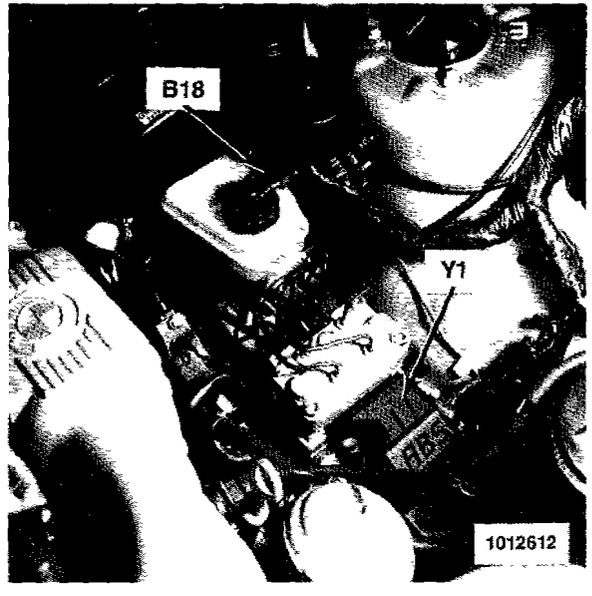


Figure 3- LH Side Of Engine Compartment (M30 Engine)

B18 Brake Fluid Level Switch
Y1 ABS Hydraulic Unit

source: www.ow.no

COMPONENT LOCATION VIEWS

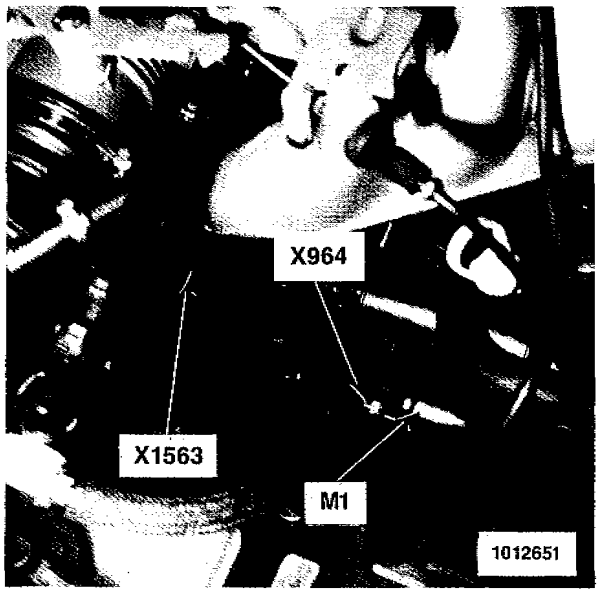


Figure 1- LH Side Of Engine Compartment (M20 Engine)

M1 Starter
X964 B+ Junction Post
X1563 Connector (7 pins) SW



Figure 2- LH Rear Of Engine (M30 Engine)

M1 Starter

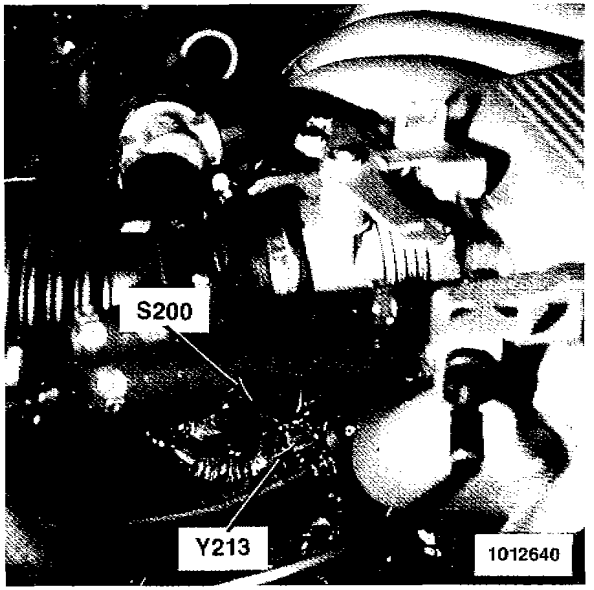


Figure 3- LH Rear Of Engine (M20 Engine)

S200 Throttle Switch
Y213 Evaporative Purge Valve

source: www.ow.no

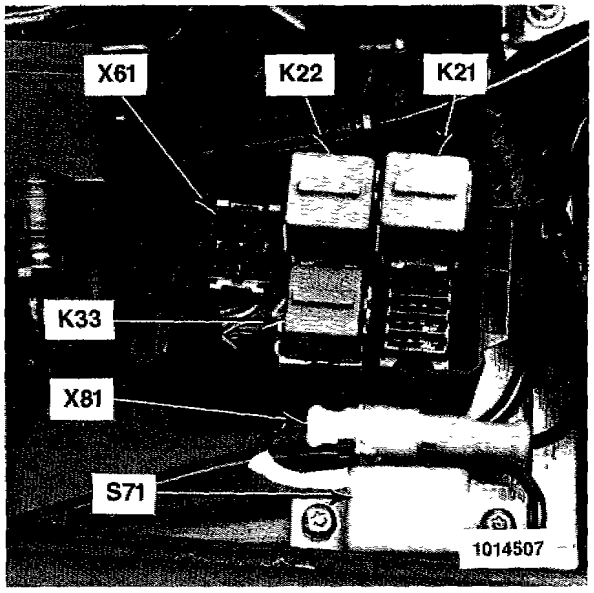


Figure 1- Top LH Side Of Engine Compartment (M30 Engine Shown, M20 Engine Similar)

K21 Normal Speed Relay
K22 High Speed Relay
K33 Air Conditioning Relay
S71 Left Front Crash Sensor
X61 Connector (9 pins) SW
X81 Connector (3 pins) OR

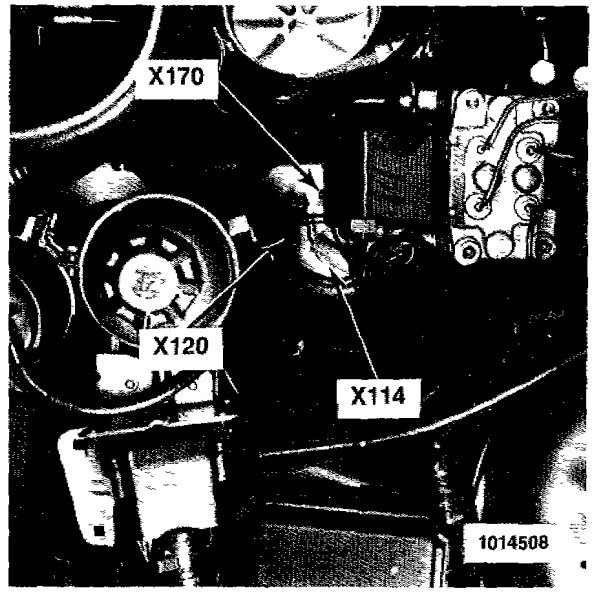


Figure 2- Lower LH Side Of Engine Compartment (M30 Engine Shown, M20 Engine Similar)

X114 Connector (2 pins) WS
X120 Connector (2 pins) SW
X170 Terminal Post

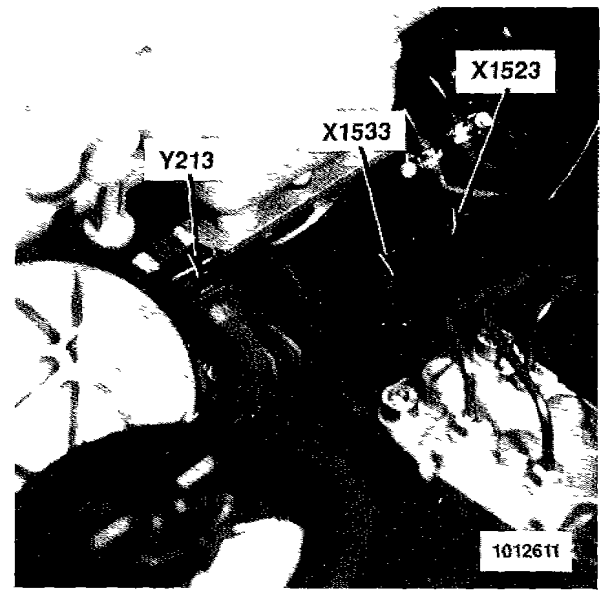


Figure 3- Lower LH Side of Engine (M30 Engine)

Y213 Evaporative Purge Valve
X1523 Connector (4 pins) SW
X1533 Connector (3 pins) SW

source: www.ow.no

COMPONENT LOCATION VIEWS

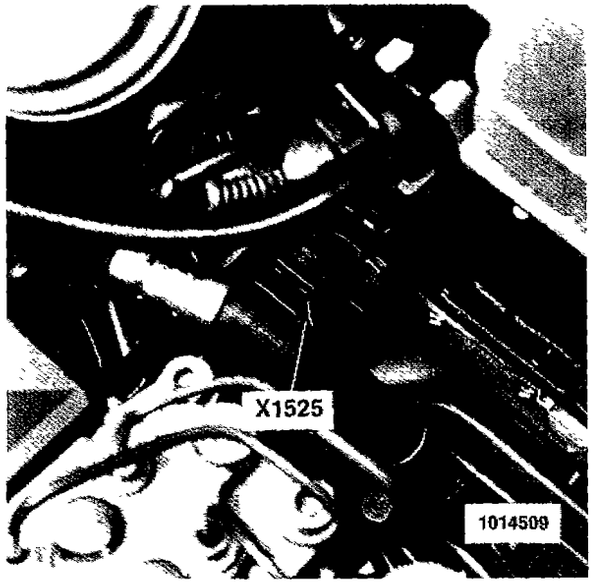


Figure 1- Lower LH Side Of Engine (M30 Engine)

X1525 Connector (3 pins) SW

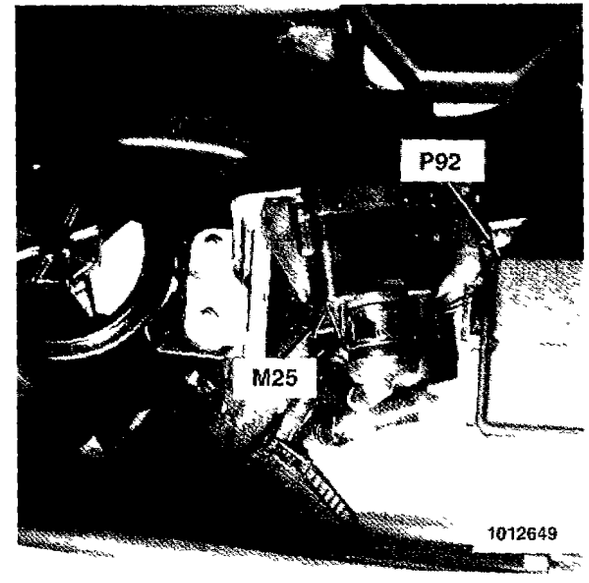


Figure 2- LH Side Of Engine Compartment (M20 Engine shown, M30 Engine Similar)

M25 Cruise Control Actuator (Tempomat)
P92 Auxiliary Relay Box

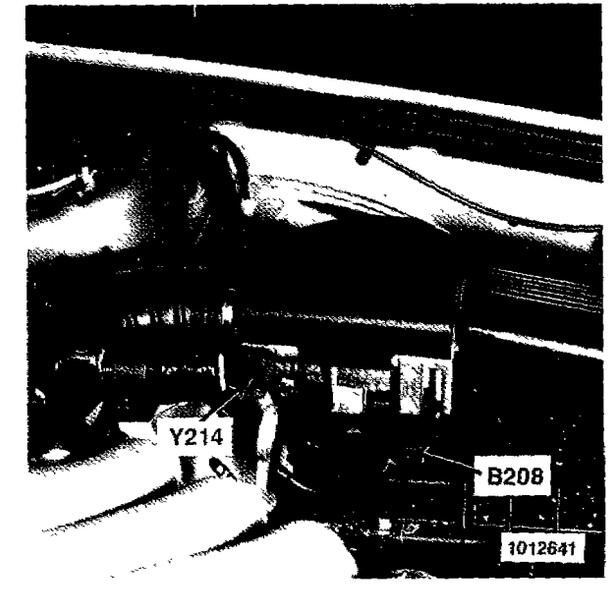


Figure 3- Top LH Side Of Engine Compartment (M20 Engine)

B208 Air Flow Meter
Y214 Idle Speed Actuator

source: www.ow.no

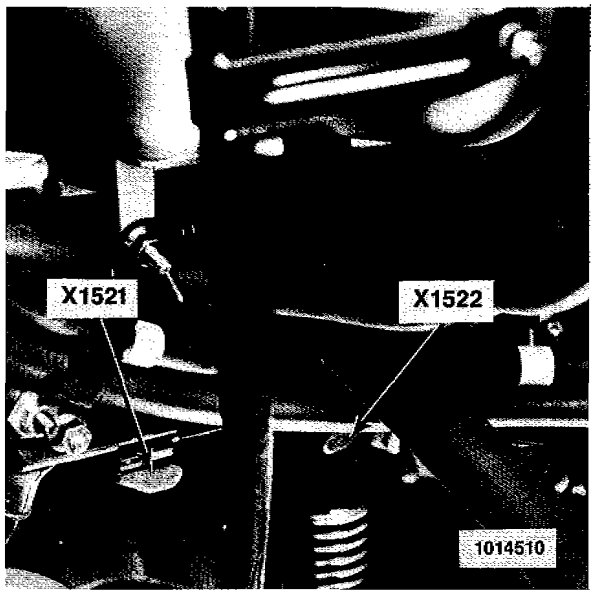


Figure 1- Lower LH Side Of Engine (M20 Engine) (Air Cleaner Assembly Removed)

X1521 Connector (3 pins) SW
X1522 Connector (3 pins) SW

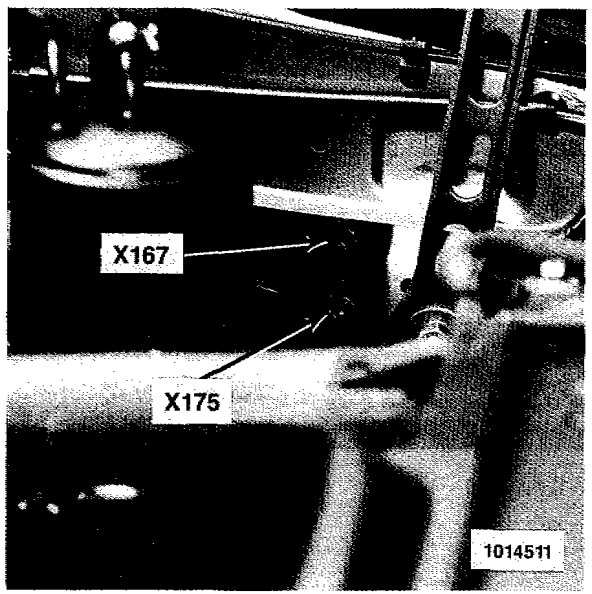


Figure 2- LH Front Of Engine Compartment (M30 Engine Shown; M20 Engine Similar)

X167 Ground
X175 Ground

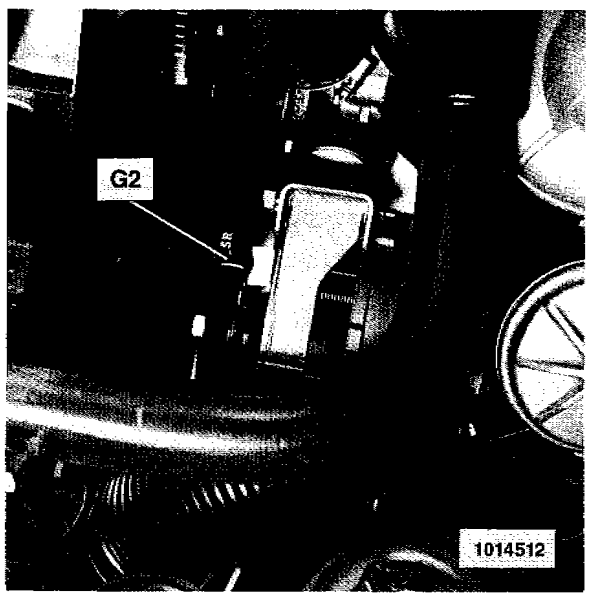


Figure 3- Lower LH Front Of Engine Compartment (M30 Engine Shown; M20 Engine Similar)

G2 Alternator

source: www.ow.no



Figure 1- Lower LH Front Of Engine (M20 Engine) (Air Flow Assembly Removed)

X1525 Connector (3 pins) SW



Figure 2- LH Front Of Engine Hood

S19 Underhood Light Switch

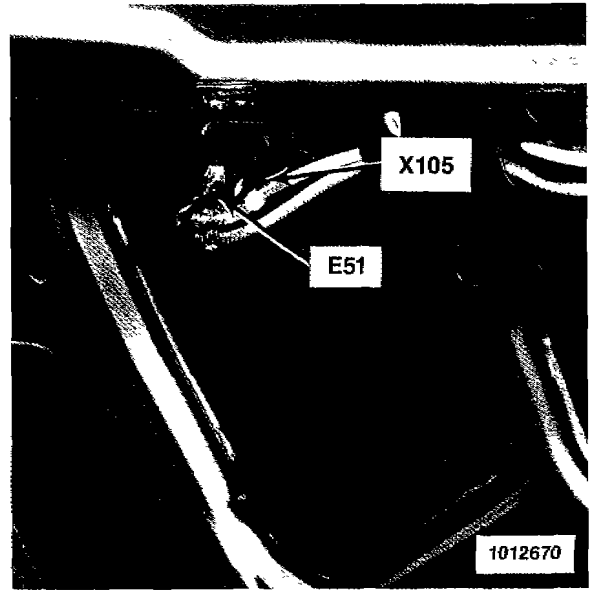


Figure 3- Rear Of Engine Compartment Hood

E51 Left Washer Jet Heater
X105 Connector (2 pins) SW

source: www.ow.no

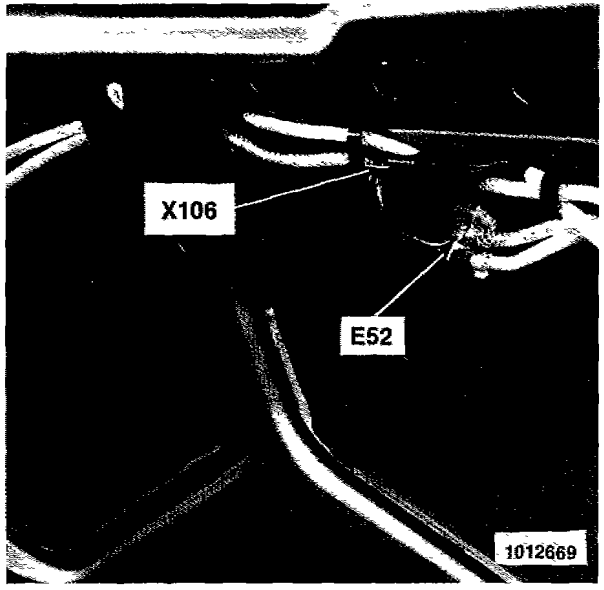


Figure 1- Rear Of Engine Compartment Hood

E52 Right Washer Jet Heater
X106 Connector (2 pins) SW

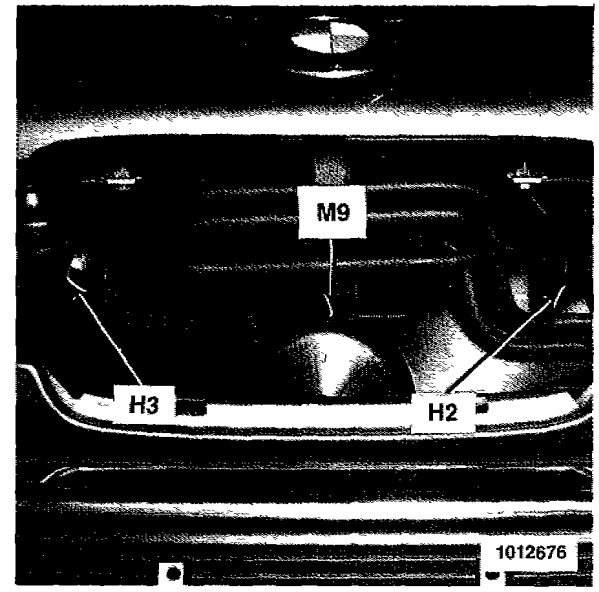


Figure 2- Front Of Car (Grille Removed)

H2 Left Horn
H3 Right Horn
M9 Auxiliary Fan Motor

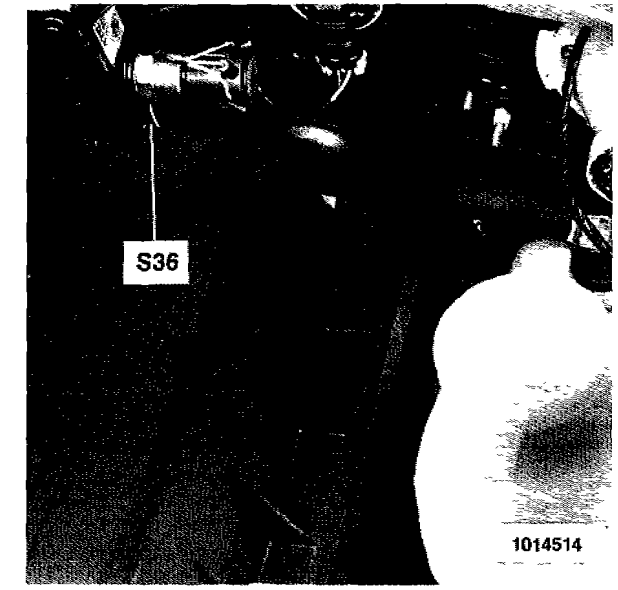


Figure 3- RH Front Of Engine Compartment (M30 Engine Shown, M20 Engine Similar)

S36 Temperature Switch

source: www.ow.no

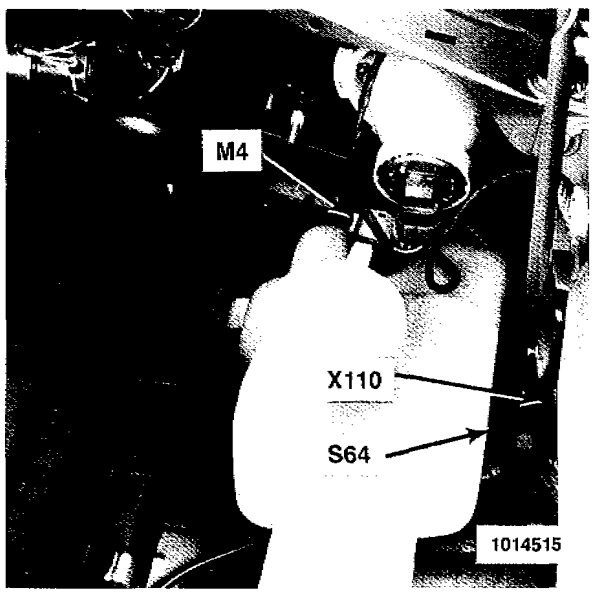


Figure 1- RH Front Of Engine Compartment (M30 Engine Shown; M20 Engine Similar)

M4 Washer Pump
S64 Washer Fluid Level Switch
X110 Connector (2 pins) BL

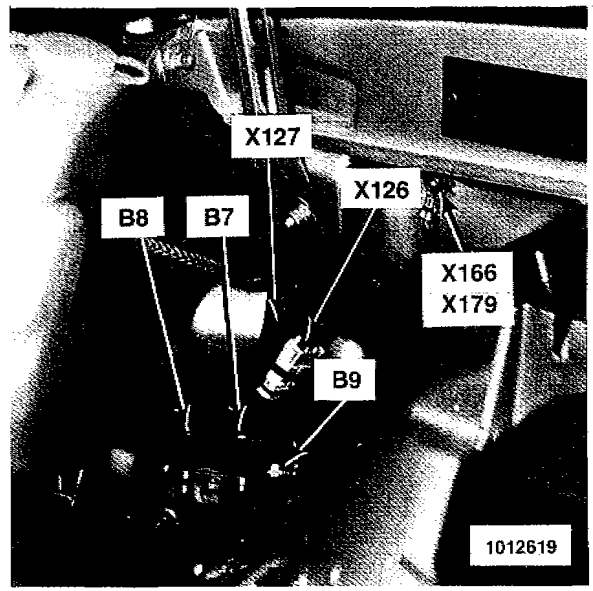


Figure 2- RH Front Of Engine Compartment (Washer Fluid Reservoir Removed)

B7 Low Pressure Switch
B8 High Pressure Switch
B9 Intermediate Pressure Switch
X126 Connector (2 pins) WS
X127 Conector (2 pins) SW
X166 Ground
X179 Ground

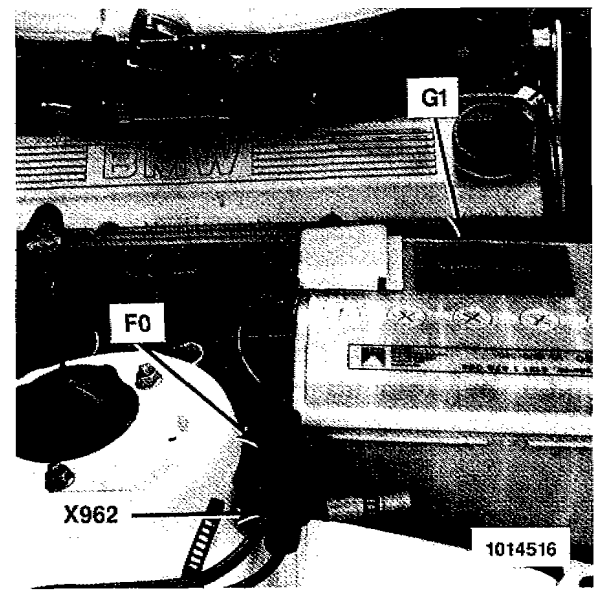


Figure 3- RH Front Of Engine Compartment (M20 Engine)

F0 Fusible Link 80A
G1 Battery
X962 B+ Junction Post

source: www.ow.no

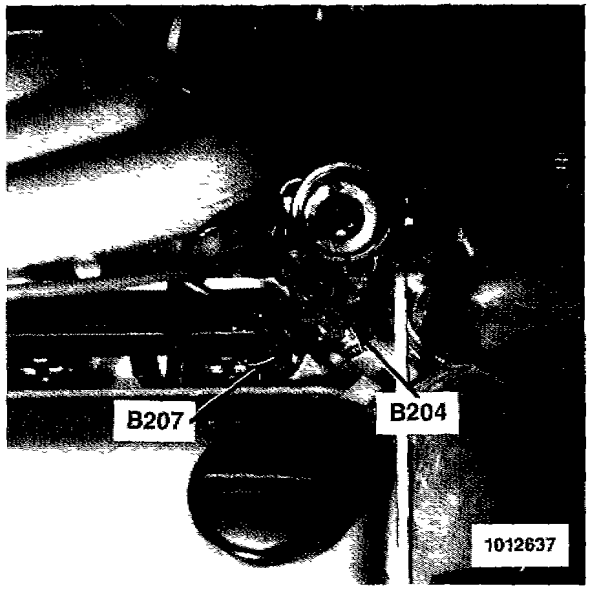


Figure 1- Top Front Of Engine (M20 Engine)

B204 Coolant Temperature Sensor
B207 Coolant Temperature Sender

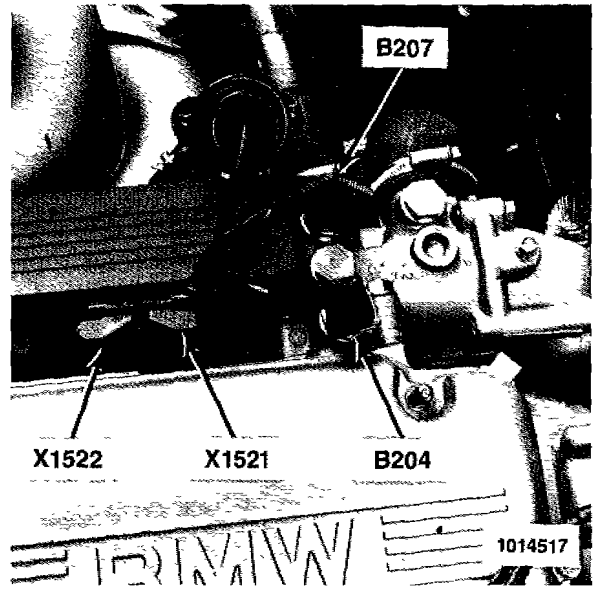


Figure 2- Top Front Of Engine (M30 Engine)

B204 Coolant Temperature Sensor
B207 Coolant Temperature Sender
X1521 Connector (3 pins) SW
X1522 Connector (3 pins) SW

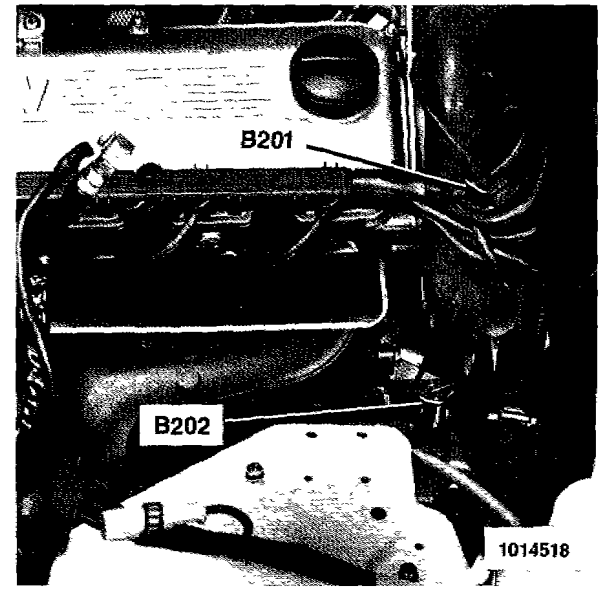


Figure 3- RH Front Of Engine (M20 Engine Shown, M30 Engine Similar)

B201 Cylinder Identification Sensor
B202 Engine Speed/Reference Point Sensor

source: www.ow.no



Figure 1- RH Front Of Engine (M20 Engine Shown, M30 Engine Similar)

X163 Connector (3 pins) SW

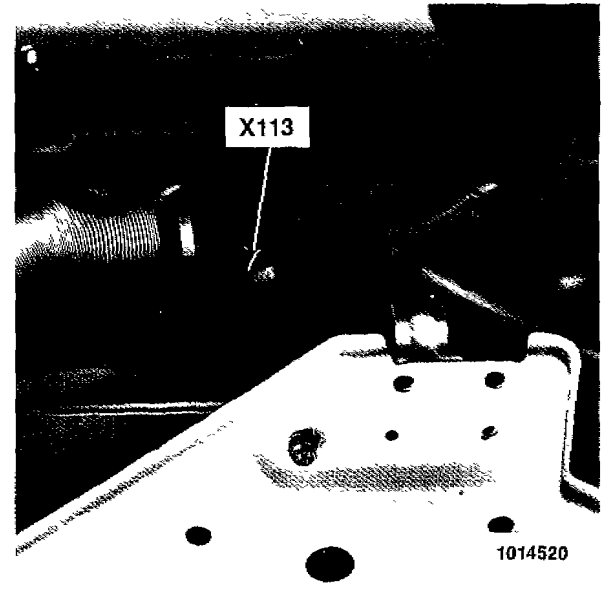


Figure 2- Lower RH Side Of Engine Compartment (M20 Engine Shown; M30 Engine Similar)

X113 Connector (2 pins) WS

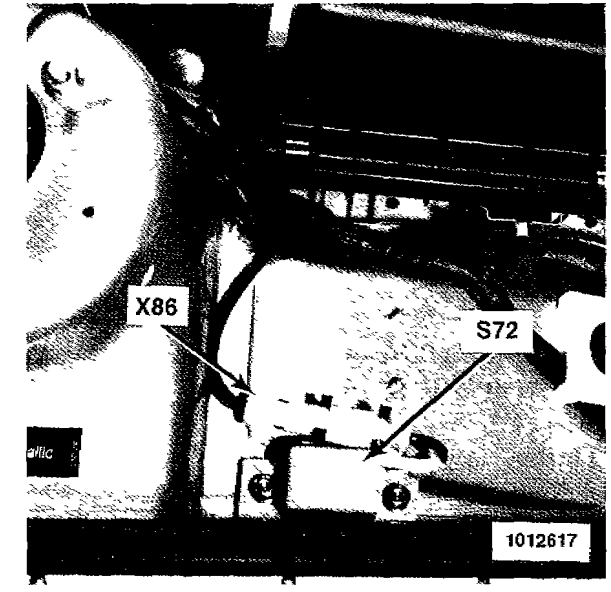


Figure 3- RH Side Of Engine Compartment (M30 Engine Shown, M20 Engine Similar)

S72 Right Front Crash Sensor
X86 Connector (3 pins) OR

source: www.ow.no

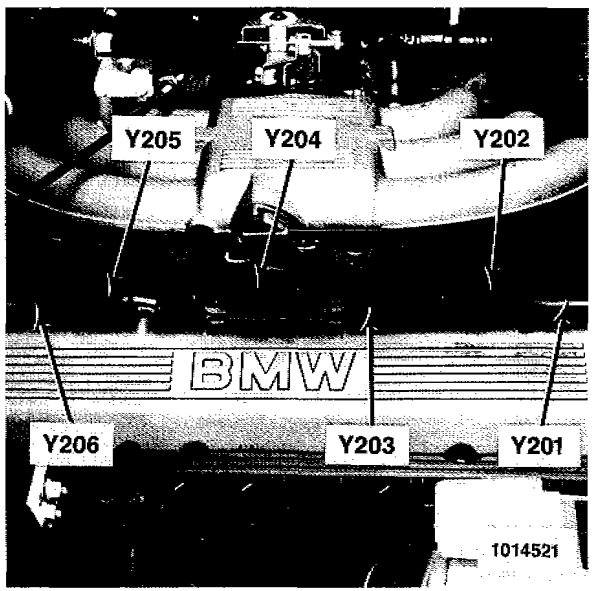


Figure 1- Top Of Engine (M20 Engine Shown; M30 Engine Similar)

Y201 Fuel Injector 1
Y202 Fuel Injector 2
Y203 Fuel Injector 3
Y204 Fuel Injector 4
Y205 Fuel Injector 5
Y206 Fuel Injector 6

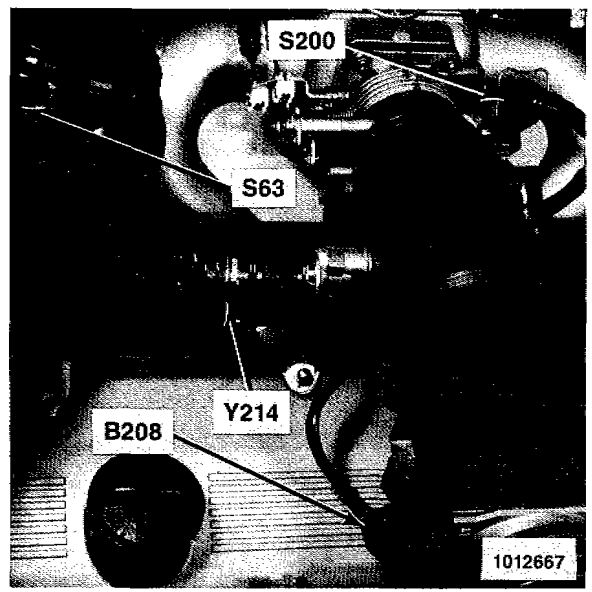


Figure 2- Top Rear Of Engine (M30 Engine)

B208 Air Flow Meter
S63 Coolant Level Switch
S200 Throttle Switch
Y214 Idle Speed Actuator

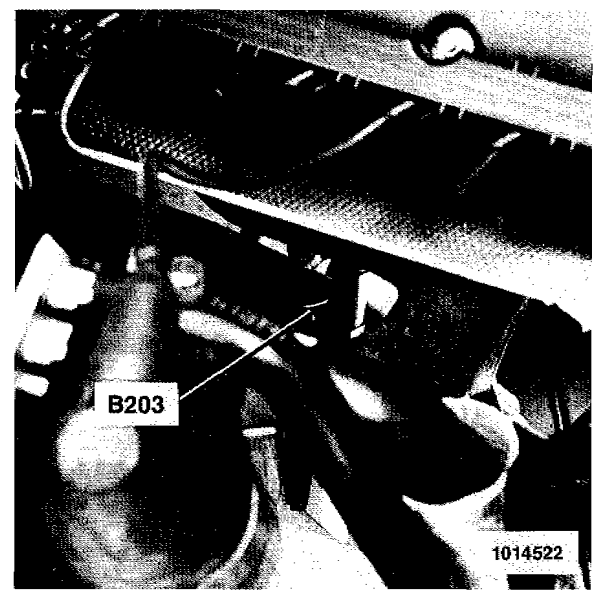


Figure 3- Lower RH Rear Of Engine (M20 Engine Shown; M30 Engine Similar)

B203 Oxygen Sensor

source: www.ow.no

COMPONENT LOCATION VIEWS

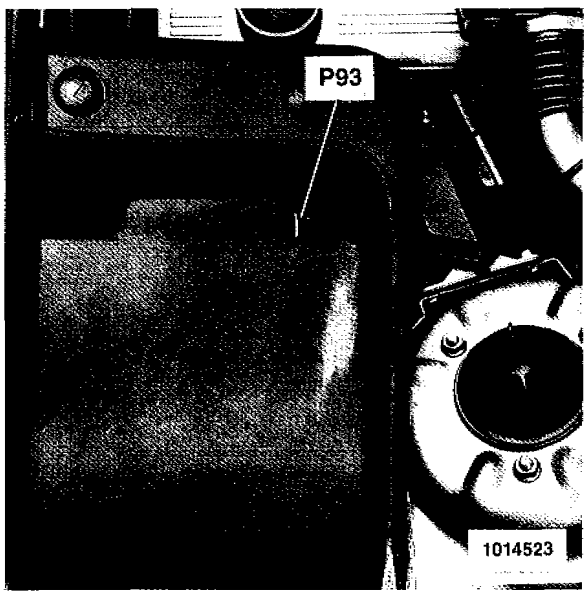


Figure 1- RH Rear Of Engine Compartment

P93 E-Box

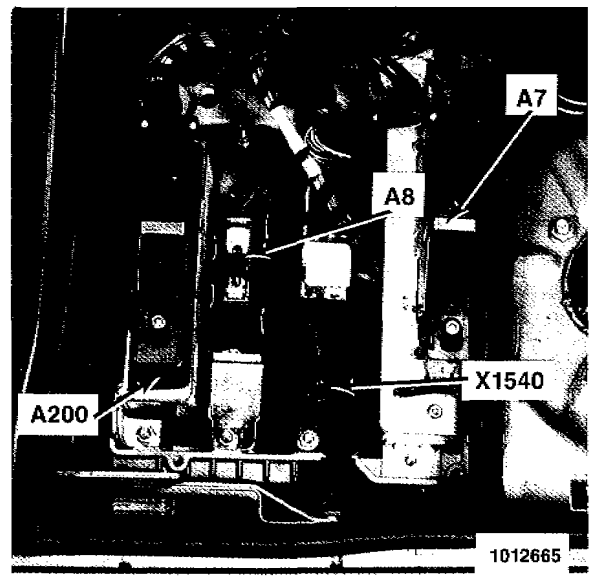


Figure 2- RH Rear Of Engine Compartment

A7 ABS Electronic Control Unit
A8 Cruise Control Module (Tempomat)
A200 Motronic Control Unit (DME)
X1540 B+ Junction Post for E-Box

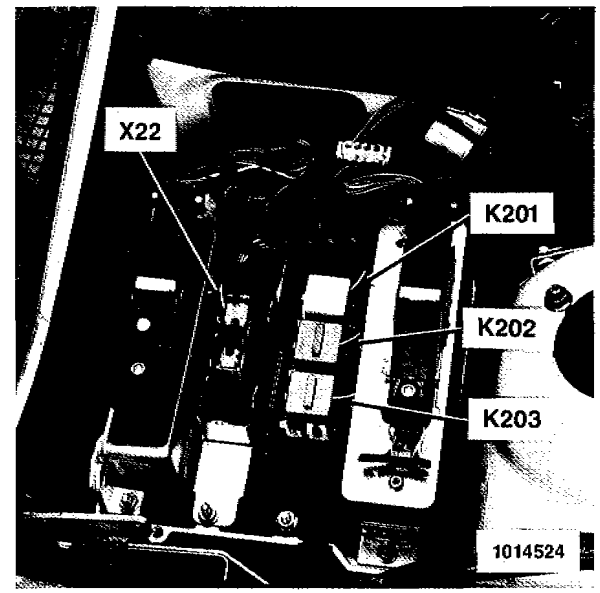


Figure 3- RH Rear Of Engine Compartment (M30 Engine)

K201 Fuel Pump Relay
K202 Main Relay
K203 Oxygen Sensor Relay
X22 Connector (26 pins) BL

source: www.ow.no

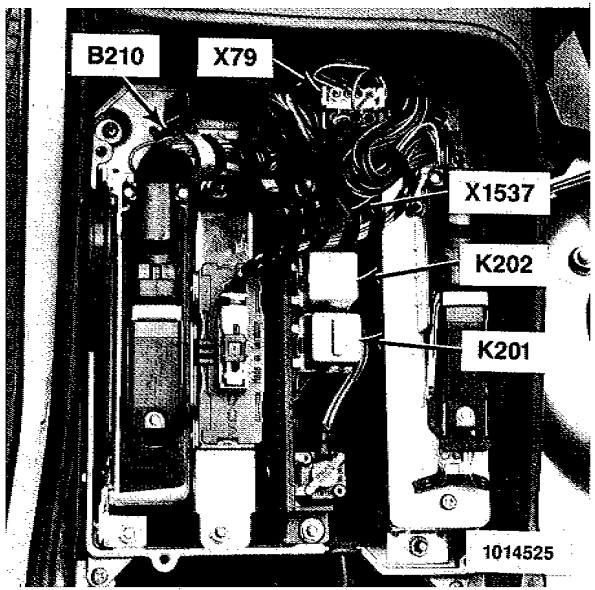


Figure 1- RH Rear Of Engine Compartment (M20 Engine)

B210 Temperature Switch
K201 Fuel Pump Relay
K202 Main Relay
X79 Connector (4 pins) WS
X1537 Connector (8 pins) SW

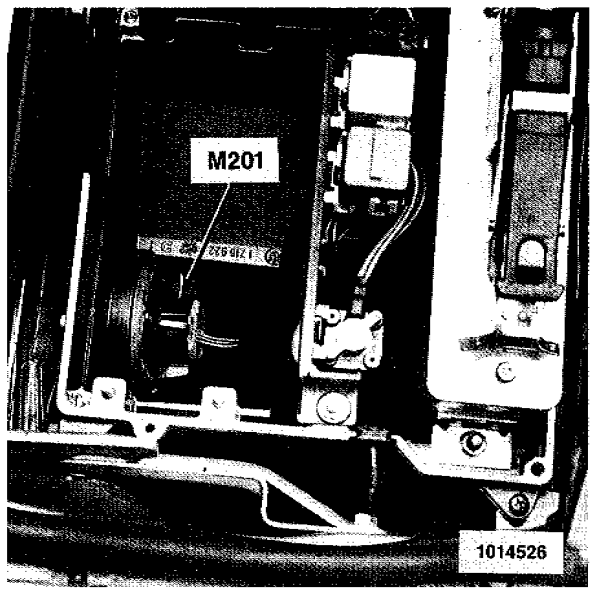


Figure 2- RH Rear Of Engine Compartment (M30 Engine Shown; M20 Engine Similar) Modules Removed

M201 E-Box Fan

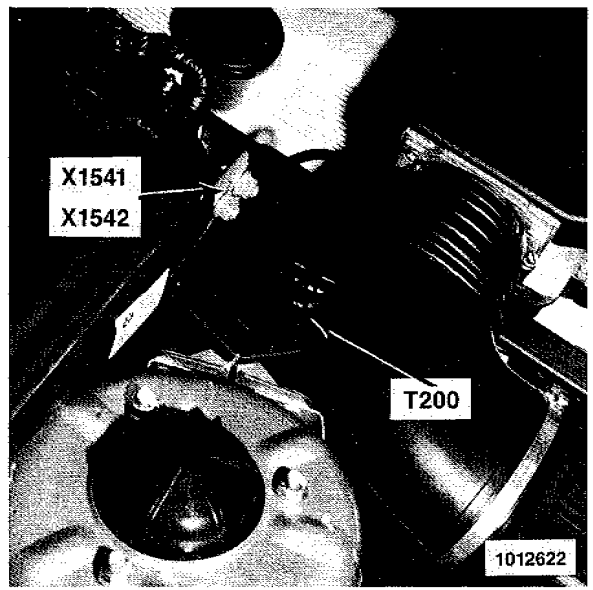


Figure 3- RH Rear Of Engine Compartment (M30 Engine Shown; M20 Engine Similar)

T200 Ignition Coil
X1541 Ground
X1542 Ground

source: www.ow.no



Figure 1- RH Rear Of Engine Compartment (M20 Engine)

X1523 Connector (4 pins) SW

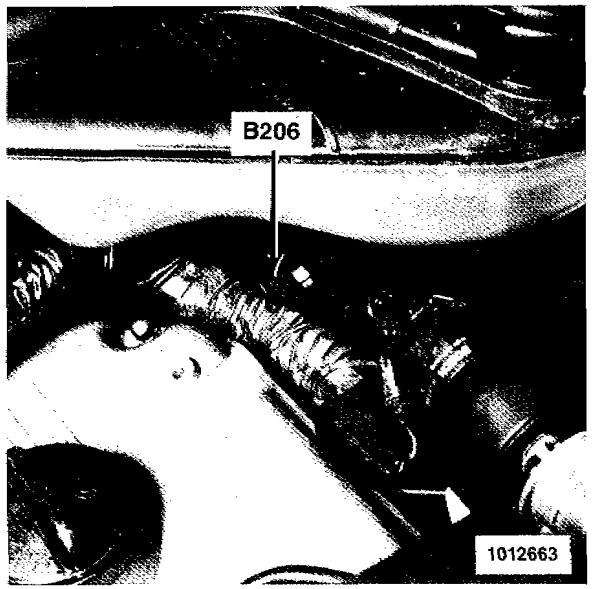


Figure 2- Rear Of Engine (M30 Engine)

B206 Oil Pressure Switch

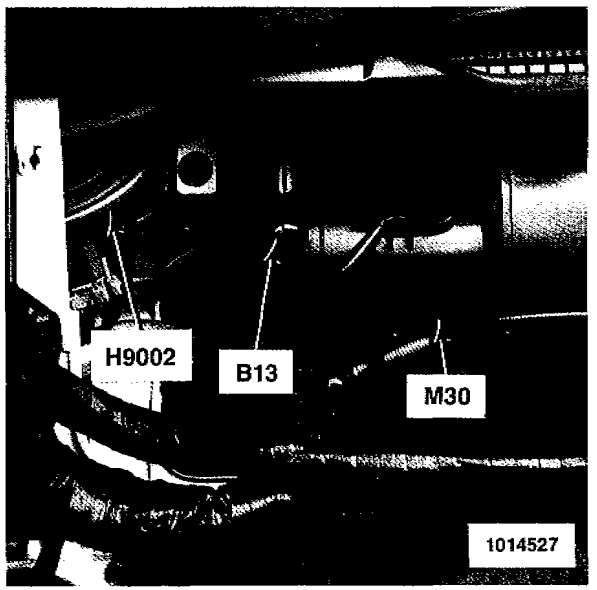


Figure 3- Behind Center Of Cowl Panel

B13 Outside Temperature Sensor
H9002 On Board Computer Antitheft Horn
M30 Blower Motor

source: www.ow.no



Figure 1- Under LH Side Of Front Bumper

X71 Connector (8 pins) SW

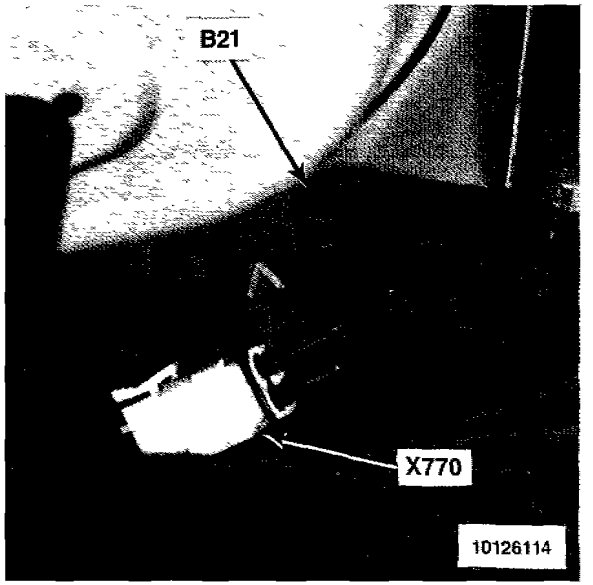


Figure 2- Under LH Side Of Front Bumper

B21 On-Board Computer Temperature Sensor
X770 Connector (2 pins) WS

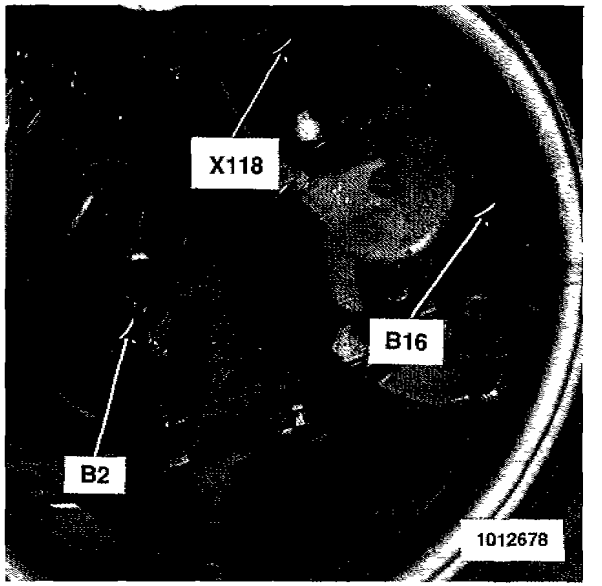


Figure 3- Behind LH Front Wheel

B2 Left Front Speed Sensor
B16 Left Front Brake Pad Sensor
X118 Connector (2 pins) SW

source: www.ow.no

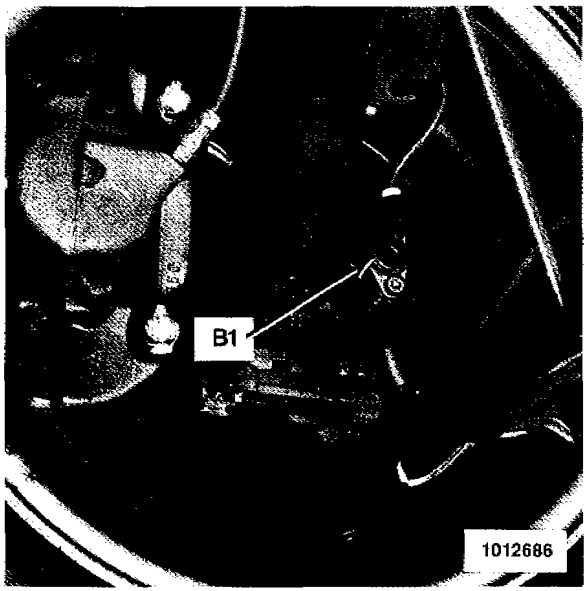


Figure 1- Behind RH Front Wheel

B1 Right Front Speed Sensor

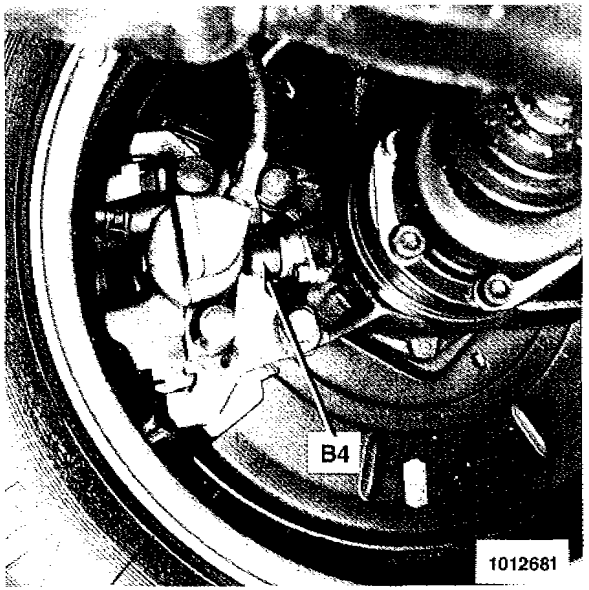


Figure 2- Behind LH Rear Wheel

B4 Left Rear Speed Sensor

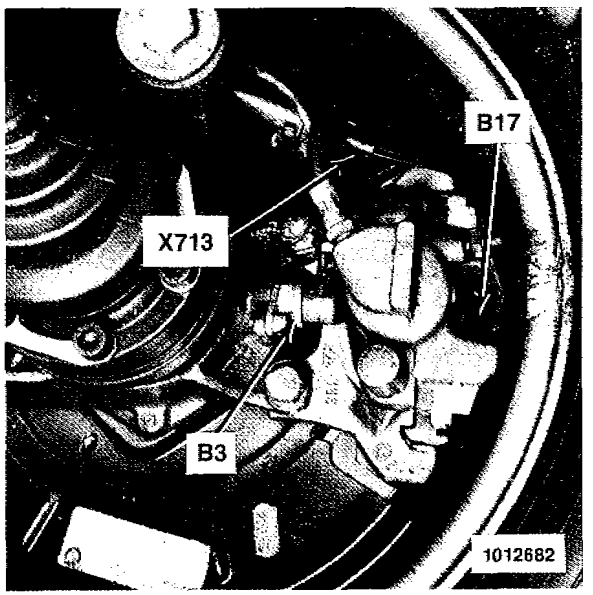


Figure 3- Behind RH Rear Wheel

B3 Right Rear Speed Sensor
B17 Right Rear Brake Pad Sensor
X713 Connector (2 pins) SW

source: www.ow.no

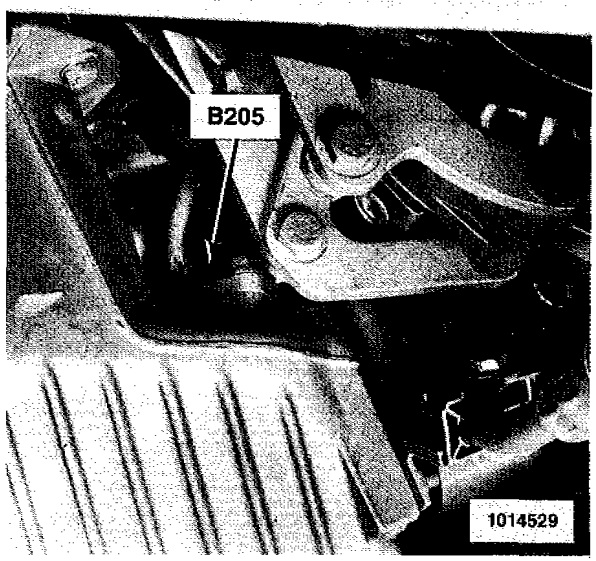


Figure 1- Lower LH Front Of Engine (M20 Engine)

B205 Oil Level Sensor

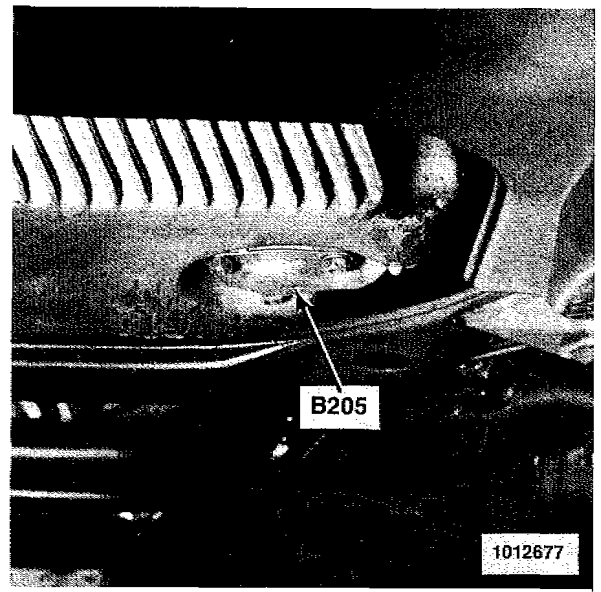


Figure 2- Lower Front Of Engine (M30 Engine)

B205 Oil Level Sensor

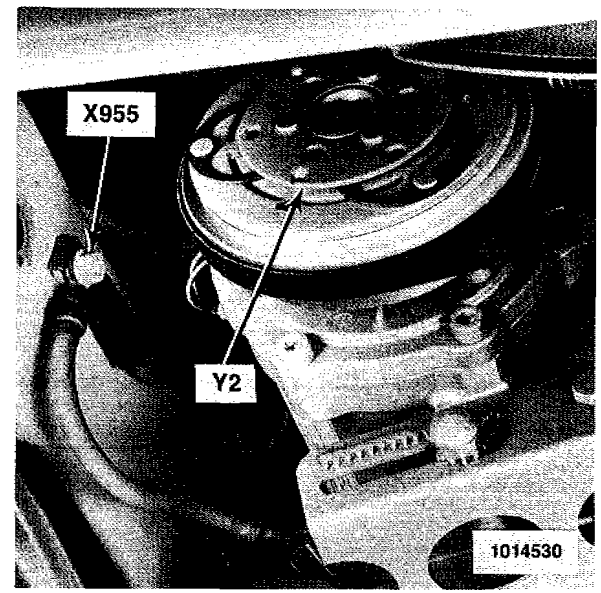


Figure 3- Lower RH Front Of Engine (M20 Engine Shown; M30 Engine Similar)

Y2 Compressor Clutch
X955 Ground

source: www.ow.no

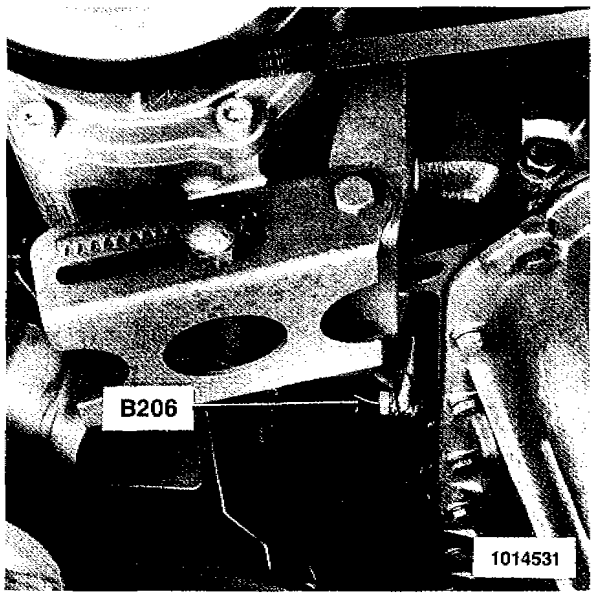


Figure 1- Lower RH Side Of Engine (M20 Engine)

B206 Oil Pressure Switch

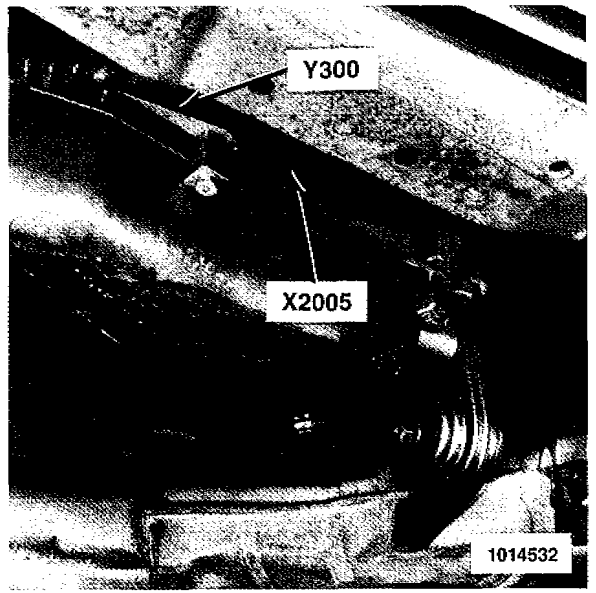


Figure 2- LH Side Of Transmission

Y300 Transmission
X2005 Connector (8 pins) SW

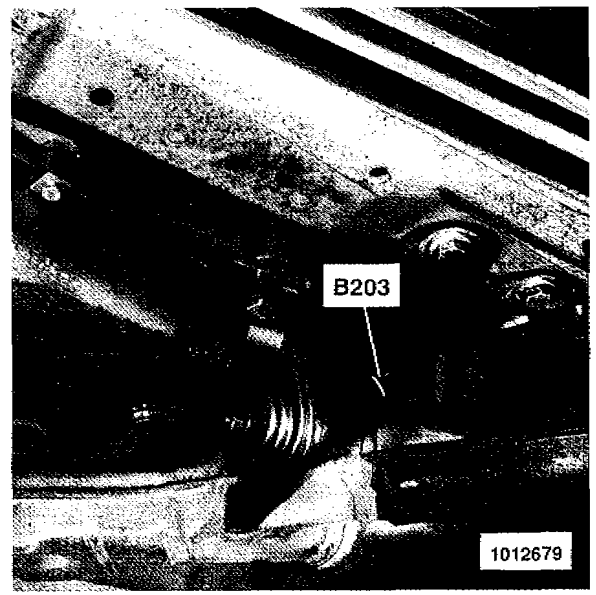


Figure 3- LH Side Of Transmission (M30 Engine)

B203 Oxygen Sensor

source: www.ow.no

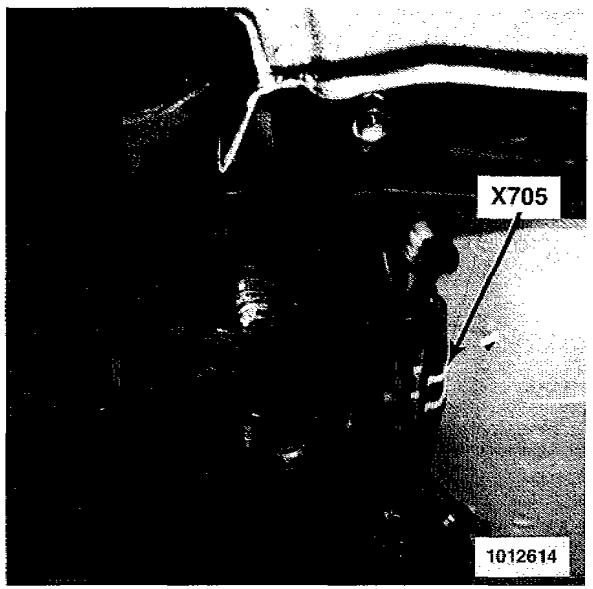


Figure 1- Front Of RH Wheel Well

X705 Connector (2 pins) SW

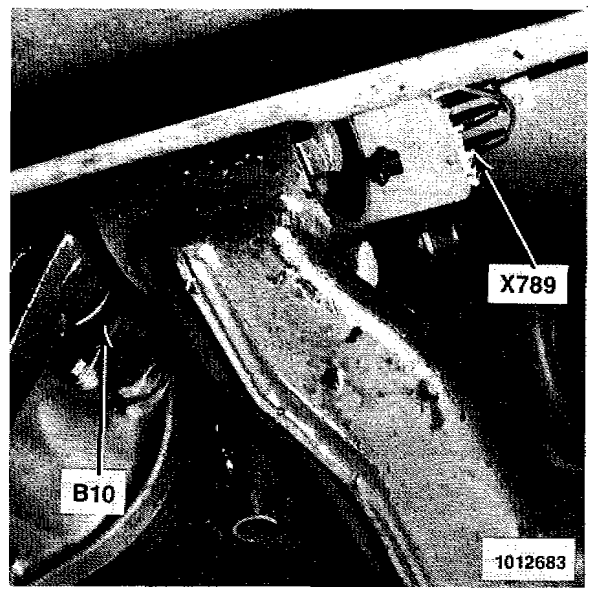


Figure 2- Rear Of Car, On Differential

B10 Vehicle Speed Sensor
X789 Connector (2 pins) GE

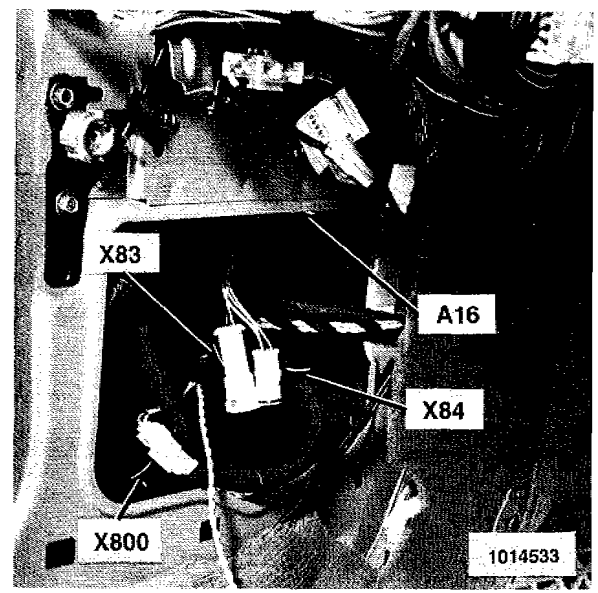


Figure 3- Inside LH Kick Panel

A16 Compressor Control Unit
X83 Connector (3 pins) GE
X84 Connector (3 pins) GE
X800 Connector (2 pins) WS

source: www.ow.no

COMPONENT LOCATION VIEWS

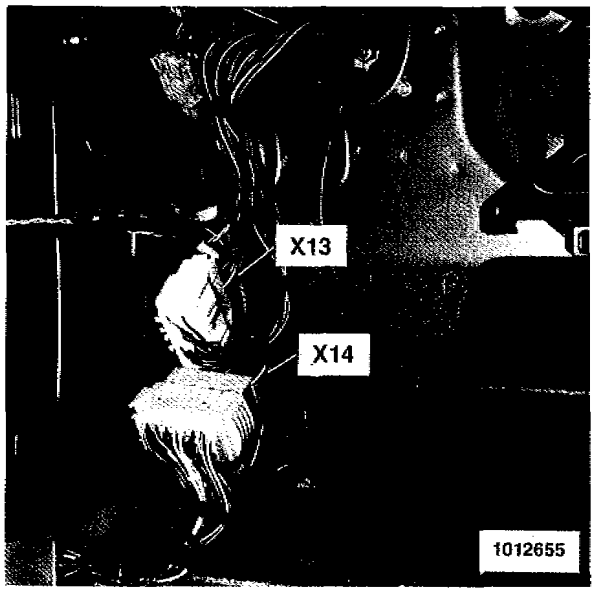


Figure 1- Below LH Side Of Dash, Below Driver's Footrest

X13 Connector (21 pins) WS
X14 Connector (30 pins) GE

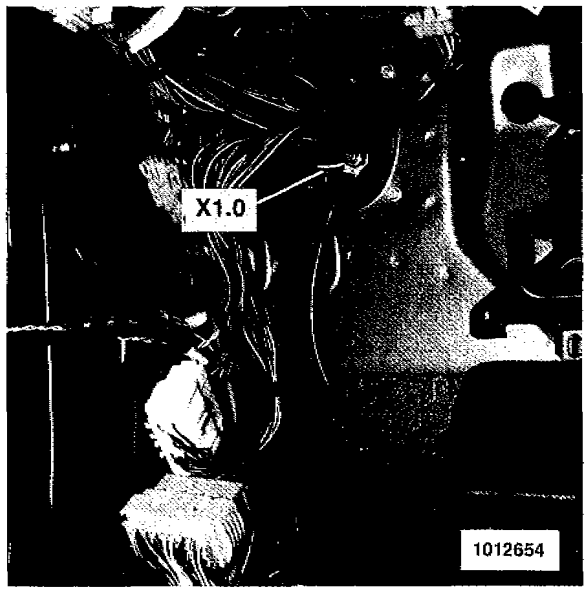


Figure 2- Behind LH Side Of Dash

X1.0 Junction Post For Front Power Distribution Box

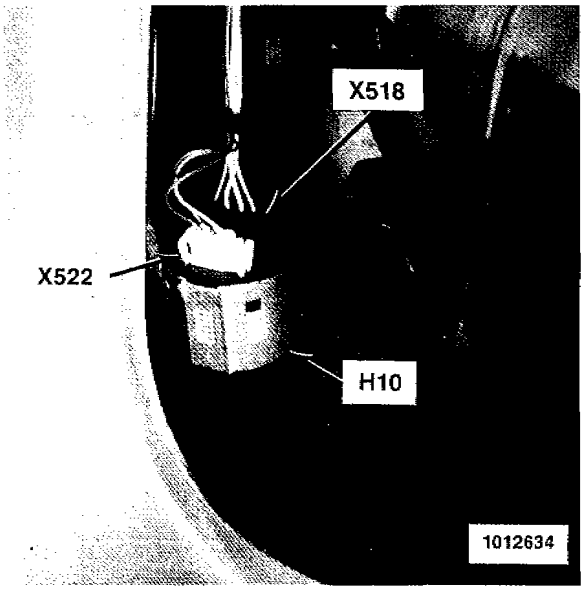


Figure 3- Behind LH Side Of Dash

H10 Chime Module
X518 Connector (4 pins) SW
X522 Connector (3 pins) WS

source: www.ow.no

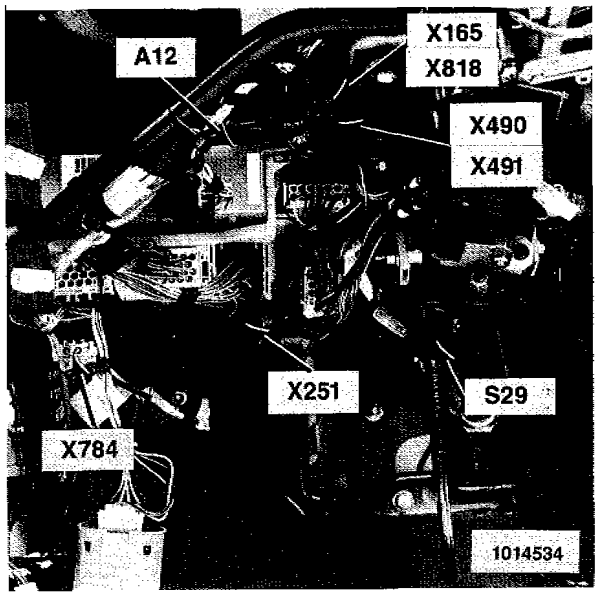


Figure 1- Behind LH Side Of Dash, LH Side Of Steering Column

A12 Diagnostic Module (SRS)
S29 Brake Light Switch
X251 Connector (30 pins) SW
X784 Connector (2 pins) OR
X165 Ground
X490 Ground
X491 Ground
X818 Ground

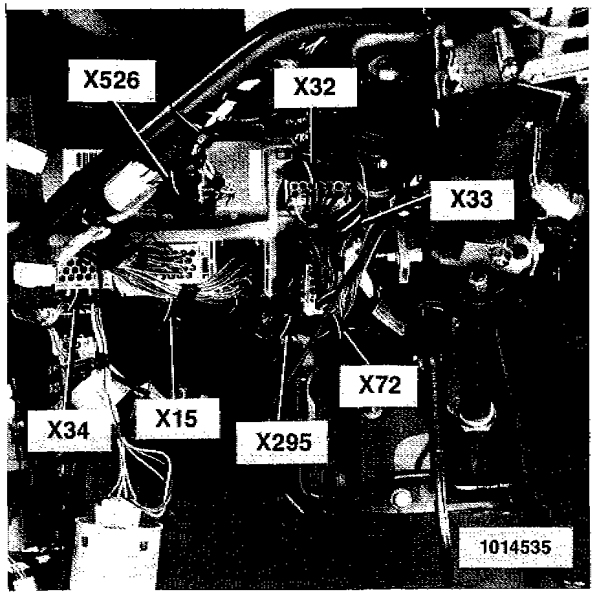


Figure 2- Behind LH Side Of Dash, LH Side Of Steering Column

X15 Connector (30 pins) WS
X32 Connector (12 pins) WS
X33 Connector (12 pins) SW
X34 Connector (21 pins) WS
X72 Connector (8 pins) WS
X295 Connector (8 pins) SW
X526 Connector (8 pins) SW

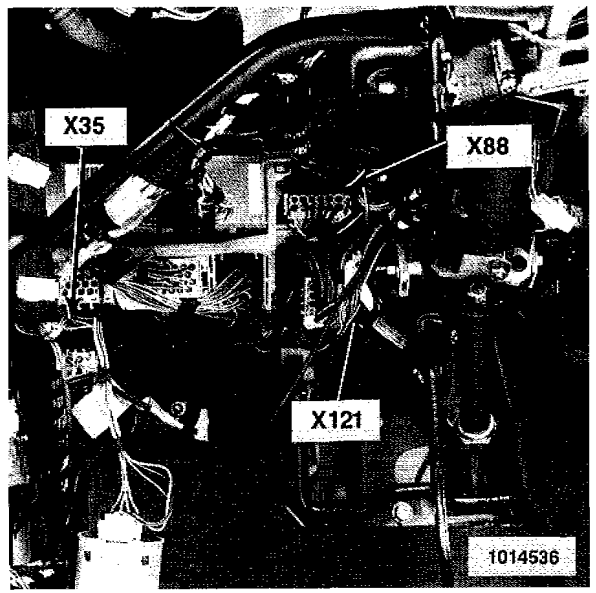


Figure 3- Behind LH Side Of Dash, LH Side Of Steering Column

X35 Connector (21 pins) SW
X88 Connector (3 pins) SW
X121 Connector (2 pins) WS

source: www.ow.no

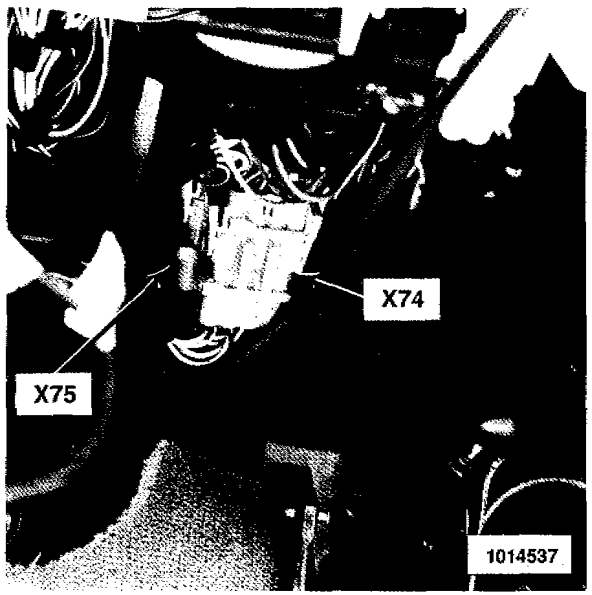


Figure 1- Behind LH Side Of Dash, LH Side Of Steering Column

X74 Connector (8 pins) OR
X75 Connector (6 pins) OR

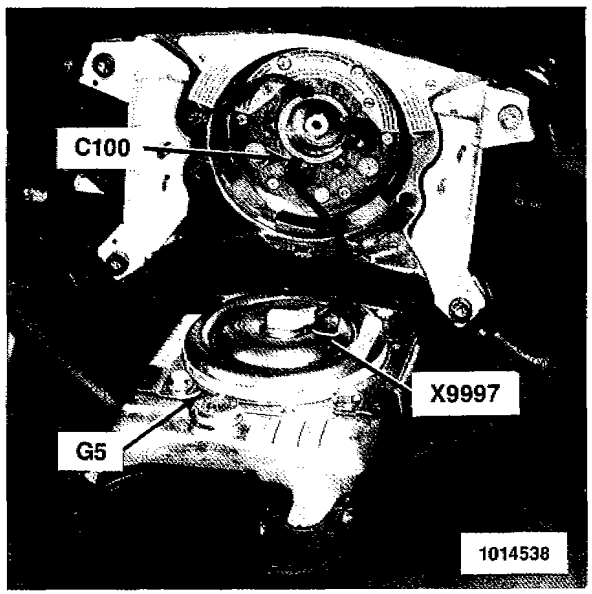


Figure 2- Inside Steering Wheel

C100 Contact Ring
G5 Driver's Air Bag Generator
X9997 Connector (2 pins) OR

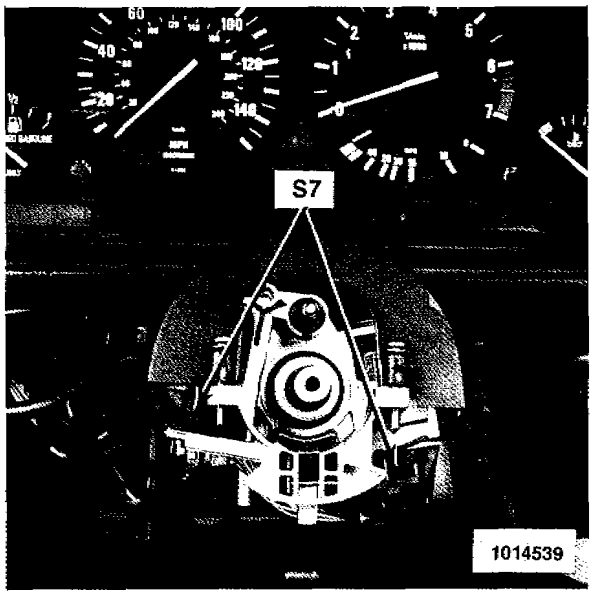


Figure 3- Top Of Steering Column (Steering Wheel Removed)

S7 Combination Switch

source: www.ow.no

COMPONENT LOCATION VIEWS

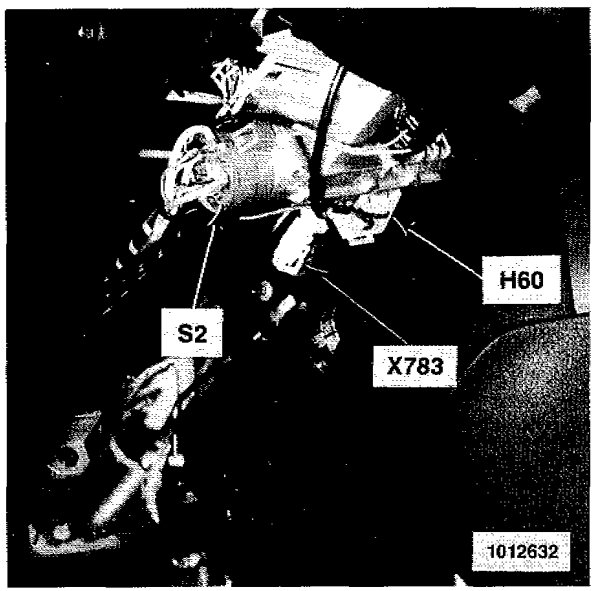


Figure 1- Underside Of Steering Column

H60 Audible Turn-Signal Relay
S2 Ignition Switch
X783 Connector (2 pins) OR

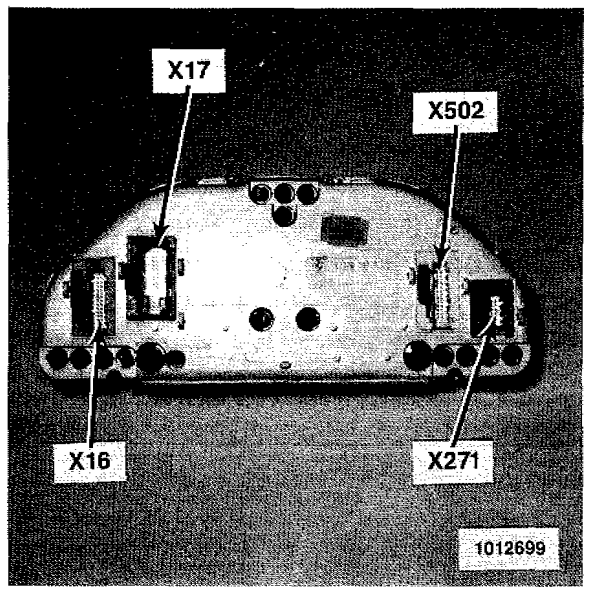


Figure 2- Rear Of Instrument Cluster

X16 Connector (26 pins) GE
X17 Connector (24 pins) BR
X271 Conenctor (12 pins) GR
X502 Connector (26 pins) WS

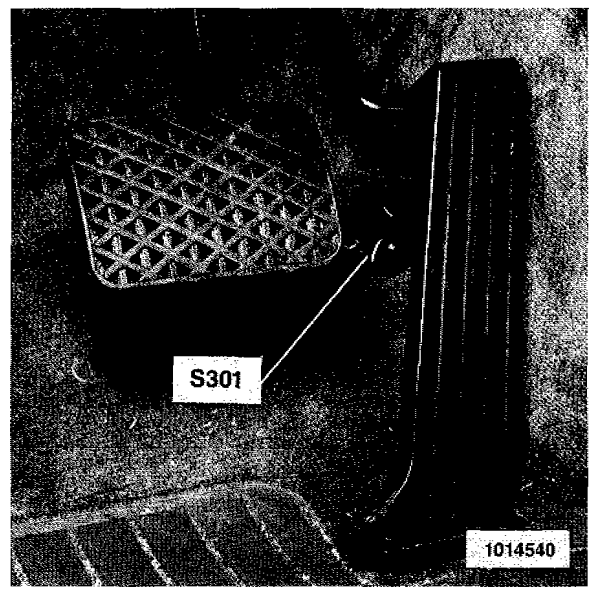


Figure 3- Below LH Side Of Dash

S301 Transmission Kickdown Switch

source: www.ow.no

COMPONENT LOCATION VIEWS

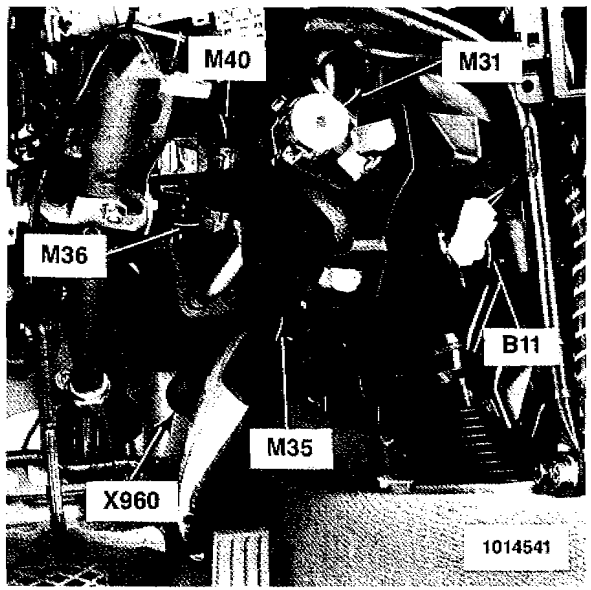


Figure 1- Behind Center Of Dash, LH Side Of IHKR Plenum

B11 Left Heat Exchanger Temperature Sensor
M31 Left Footwell Flap Motor
M35 Defroster Flap Motor
M36 Fresh Air Flap Motor
M40 Air Circulation Flap Motor
X960 B+ Junction Post

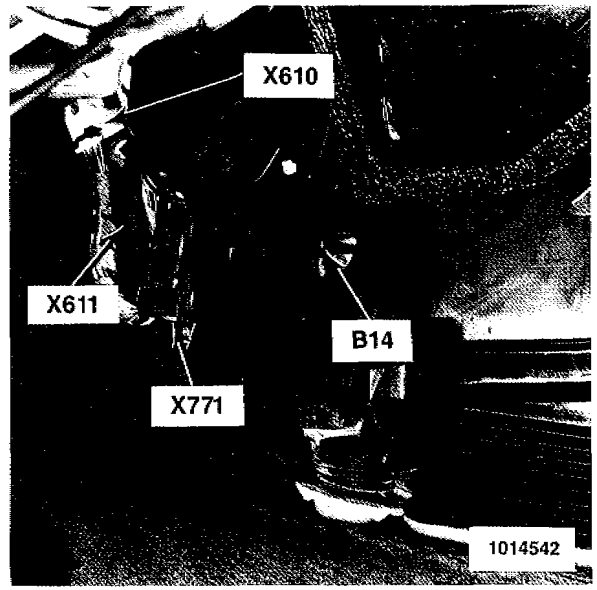


Figure 2- Behind Center Of Dash, LH Side Of IHKA Plenum

B14 Evaporator Temperature Sensor
X610 Connector (26 pins) WS
X611 Connector (26 pins) GN
X771 Connector (2 pins) SW

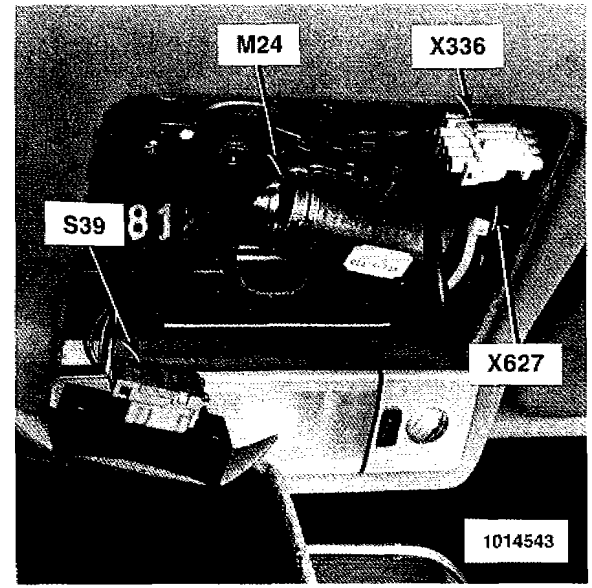


Figure 3- Center Of Windshield Header

M24 Sunroof Motor
S39 Sunroof Position Switch
X336 Connector (4 pins) WS
X627 Connector (8 pins) SW

source: www.ow.no

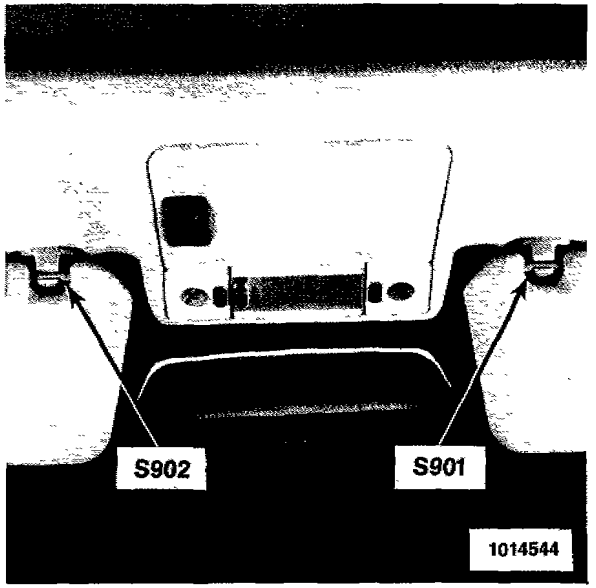


Figure 1- Center Of Winshield Header

S901 Passenger's Visor Switch
S902 Driver's Visor Switch

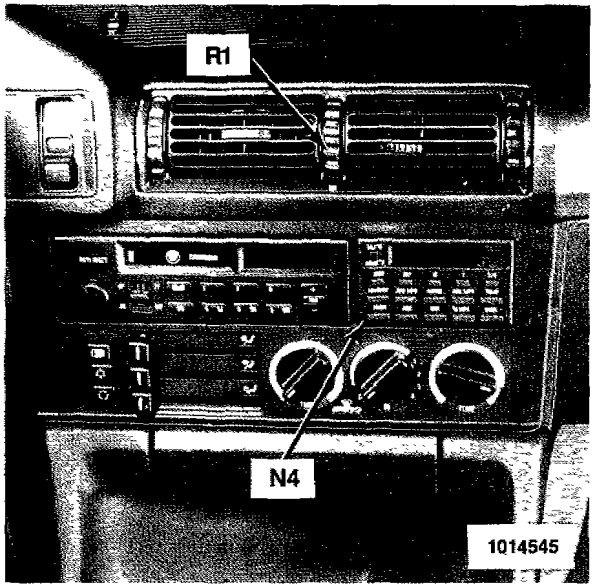


Figure 2- Center Of Dash

N4 On-Board Computer Module
R1 Temperature Distribution Potentiometer

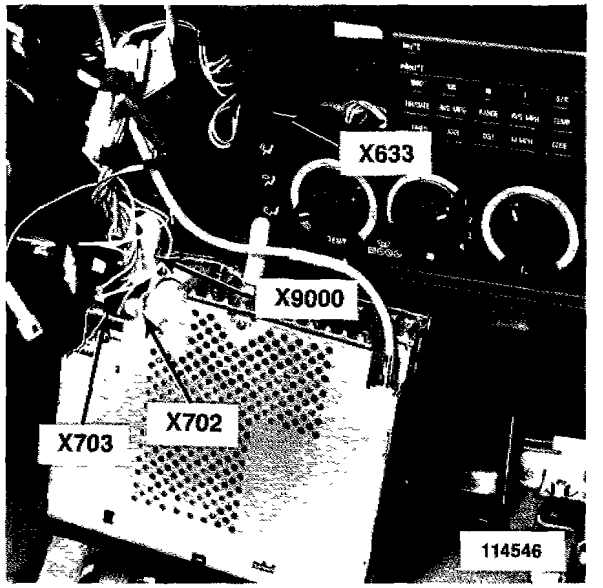


Figure 3- Behind Center Of Dash

X633 Connector (8 pins) SW
X702 Connector (2 pins) WS
X703 Connector (2 pins) SW
X9000 Connector (2 pins) SW

source: www.ow.no

COMPONENT LOCATION VIEWS

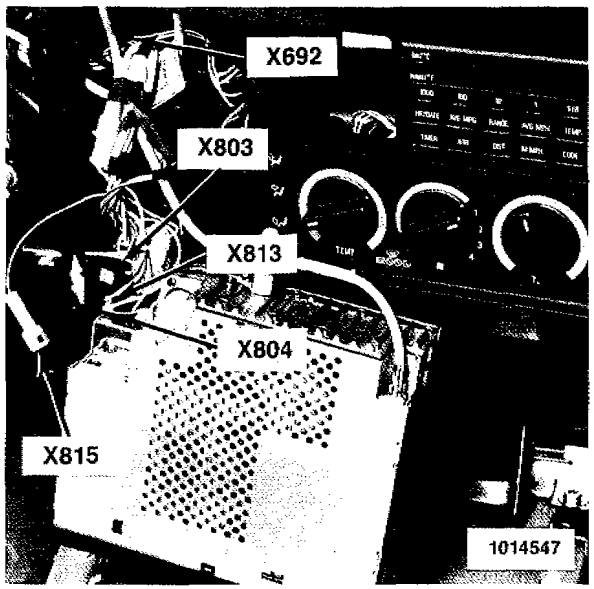


Figure 1- Behind Center Of Dash

X692 Connector (3 pins) SW
X803 Connector (2 pins) SW
X804 Connector (2 pins) WS
X813 Connector (1 pin) SW
X815 Connector (1 pin) WS

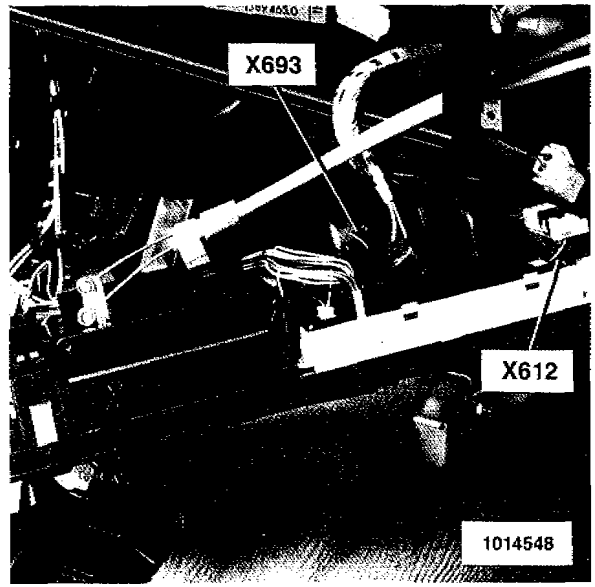


Figure 2- Behind Center Of Dash

X612 Connector (26 pins) BL
X693 Connector (3 pins) SW



Figure 3- Below Center Console

X546 Connector (2 pins) WS

source: www.ow.no

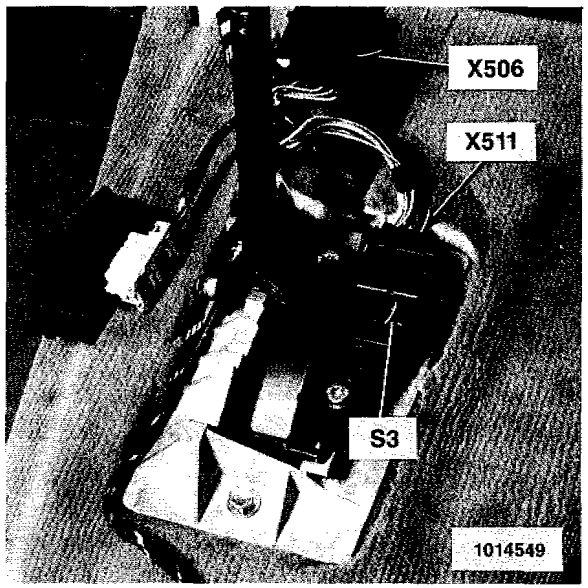


Figure 1- Below Center Console (Console Removed)

S3 Automatic Transmission Range Switch
X506 Connector (12 pins) SW
X511 Connector (8 pins) SW

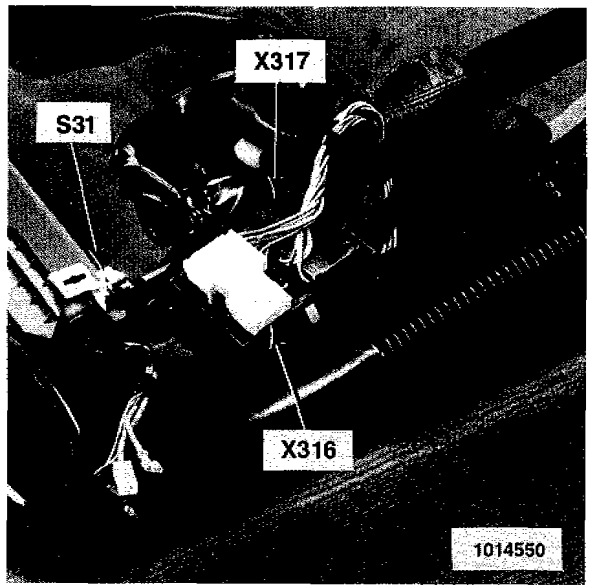


Figure 2- Below Center Console (Console Removed)

S31 Park Brake Switch
X316 Connector (6 pins) WS
X317 Connector (6 pins) SW

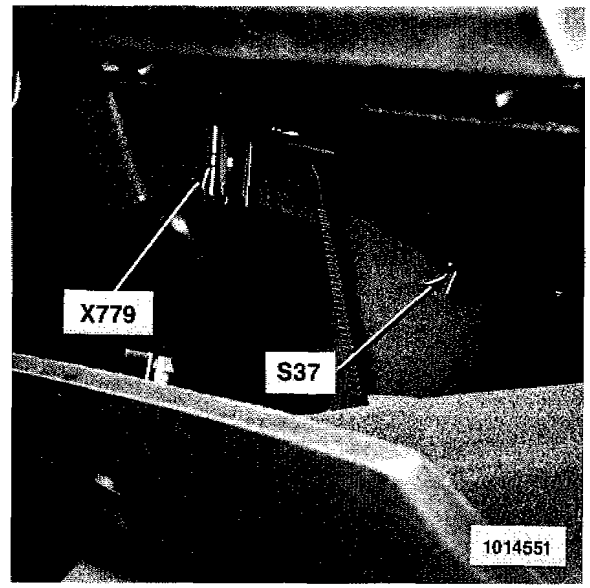


Figure 3- In LH Side Of Glove Box

S37 Glove Box Light Switch
X779 Charging Plug

source: www.ow.no

COMPONENT LOCATION VIEWS

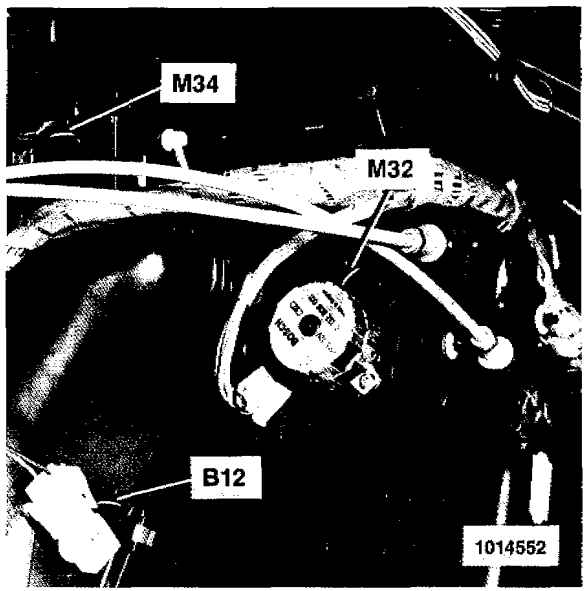


Figure 1- Behind Center Of Dash, RH Side of IHKR Plenum

B12 Right Heat Exchanger Temperature Sensor
M32 Right Footwell Flap Motor
M34 Right Mixing Flap Motor

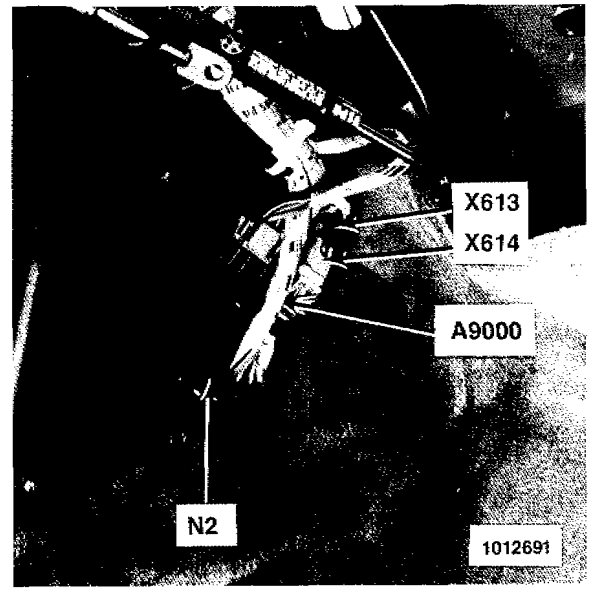


Figure 2- Behind Center Of Dash LH Side Of IHKA Plenum

A9000 Integrated Climate Regulation Control Unit (IHKR)
N2 Final Stage Unit
X613 Connector (26 pins) BL
X614 Connector (26 pins) GE

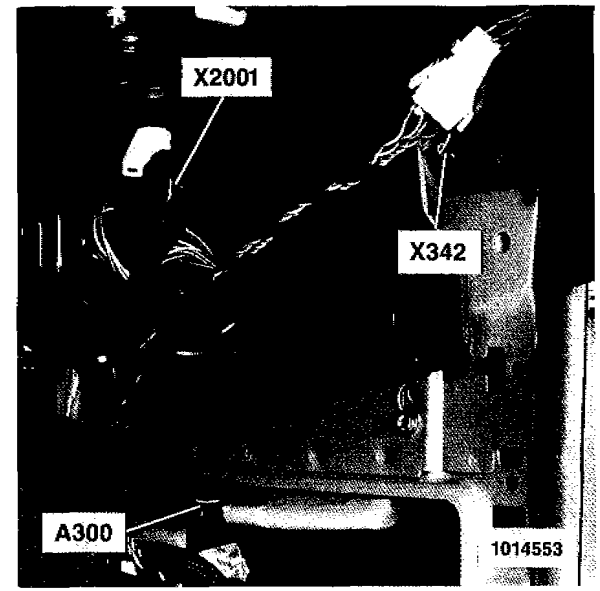


Figure 3- Behind RH Side Of Dash, at Kick Panel

A300 Electronic Transmission Control Unit (AEGS)
X342 Connector (4 pins) WS
X2001 Connector (12 pins) SW

source: www.ow.no

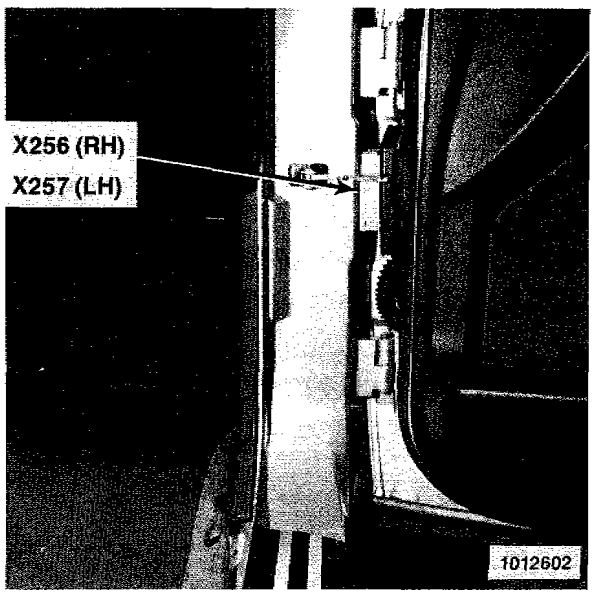


Figure 1- RH Front Dor Jamb (LH Similar)

X256 Connector (RH) (26 pins) GR
X257 Connector (LH) (26 pins) GR

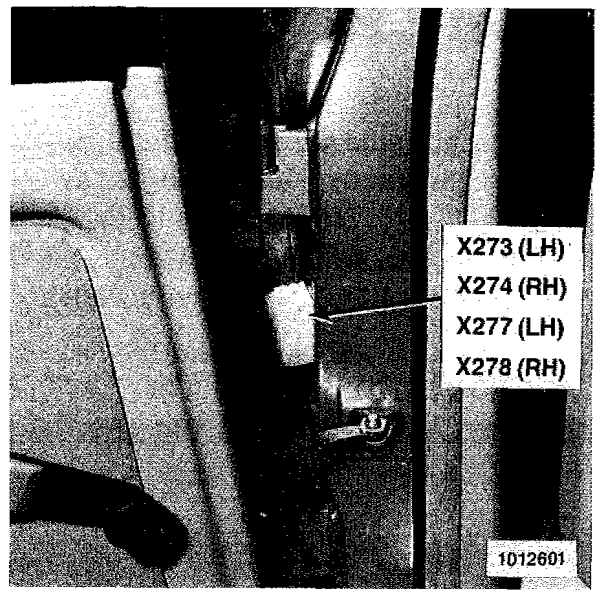


Figure 2- LH Rear Door Jamb (RH Similar)

X273 Connector (LH) (12 pins) GR
X274 Connector (RH) (12 pins) GR
X277 Connector (LH) (10 pins) BL
X278 Connector (RH) (10 pins) BL

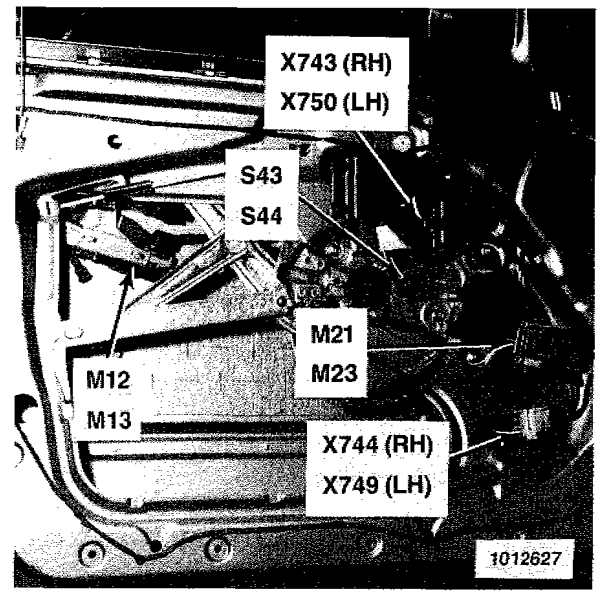


Figure 3- Behind Door Panel (Driver's Shown; Passenger's Similar)

M12 Driver's Door Lock Motor
M13 Passenger's Door Lock Motor
M21 Driver's Window Motor
M23 Passenger's Window Motor
S43 Driver's Window Limit Switch
S44 Passenger's Window Limit Switch
X743 Connector (2 pins) (RH) SW
X744 Connector (2 pins) (RH) BL
X749 Connector (2 pins) (LH) BL
X750 Connector (2 pins) (LH) SW

source: www.ow.no

COMPONENT LOCATION VIEWS

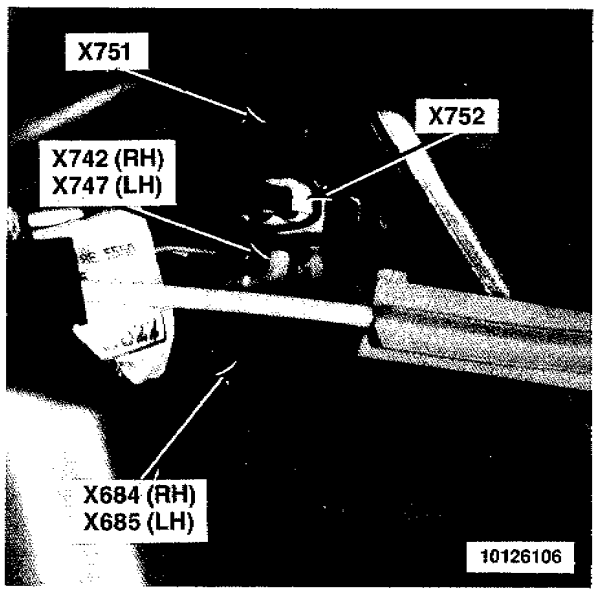


Figure 1- Driver's Door (Passenger's Similar)

X684 Connector (3 pins) (RH) SW
X685 Connector (3 pins) (LH) SW
X742 Connector (2 pins) (RH) GE
X747 Connector (2 pins) (LH) GE
X751 Connector (2 pins) BL
X752 Connector (2 pins) WS

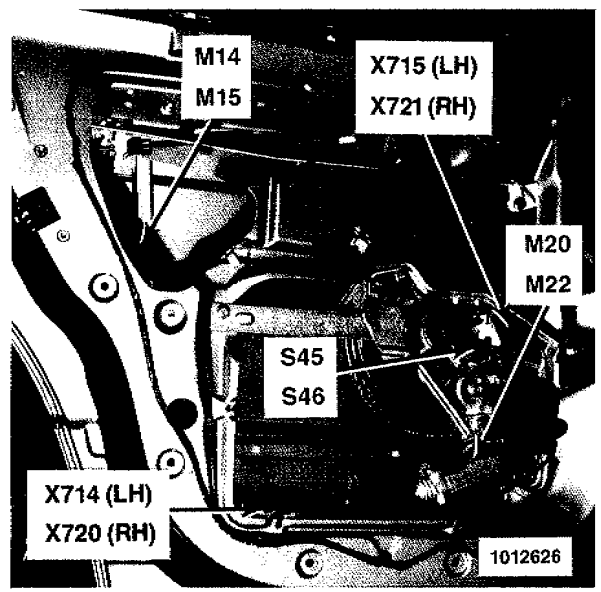


Figure 2- Behind LH Rear Door Panel (RH Rear Similar)

M14 Right Rear Door Lock Motor
M15 Left Rear Door Lock Motor
M20 Left Rear Window Motor
M22 Right Rear Window Motor
S45 Left Rear Window Limit Switch
S46 Right Rear Window Limit Switch
X714 Connector (2 pins) (LH) BL
X715 Connector (2 pins) (LH) SW
X720 Connector (2 pins) (RH) BL
X721 Connector (2 pins) (RH) SW

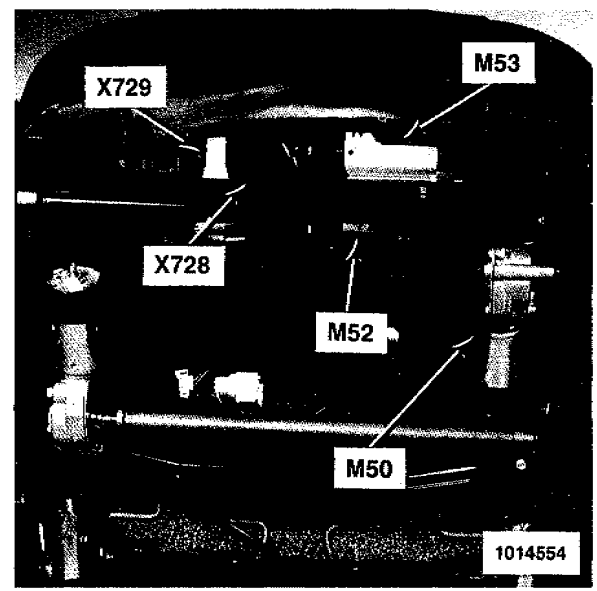


Figure 3- Under Driver's Seat

M50 Driver's Seat Cushion Tilt Motor
M52 Driver's Seat Height Motor
M53 Driver's Seatback Recliner Motor
X728 Connector (2 pins) SW
X729 Connector (2 pins) WS

source: www.ow.no

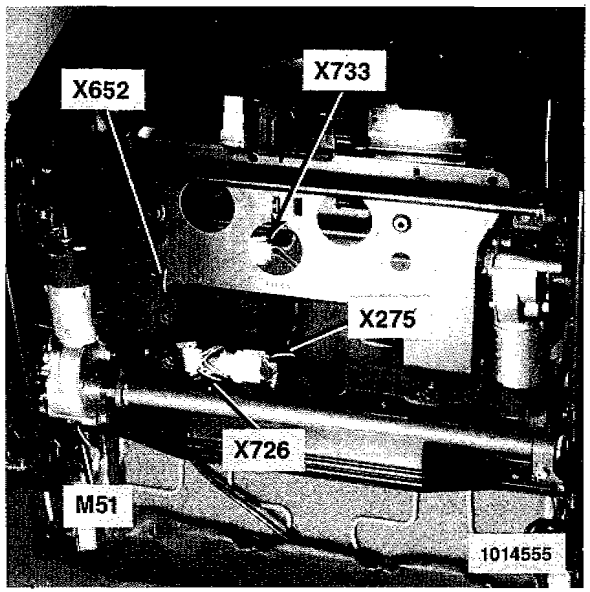


Figure 1- Under Driver's Seat

M51 Driver's Seat Movement Motor
X275 Connector (12 pins) WS
X652 Connector (6 pins) BL
X726 Connector (2 pins) WS
X733 Connector (2 pins) WS

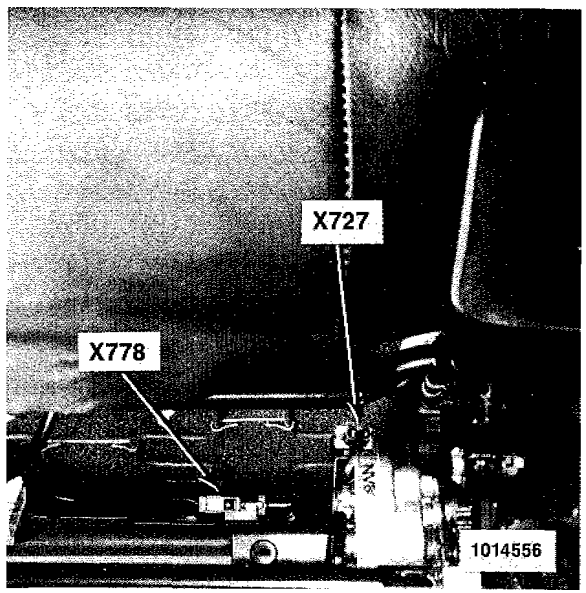


Figure 2- Under Driver's Seat

X727 Connector (2 pins) SW
X778 Connector (2 pins) SW

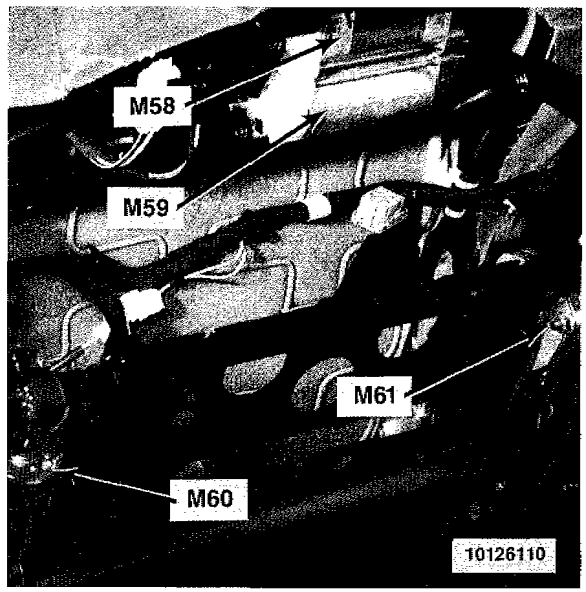


Figure 3- Under Passenger's Seat

M58 Passenger's Seatback Recliner Motor
M59 Passenger's Seat Height Motor
M60 Passenger's Seat Movement Motor
M61 Passenger's Seat Cushion Tilt Motor

source: www.ow.no

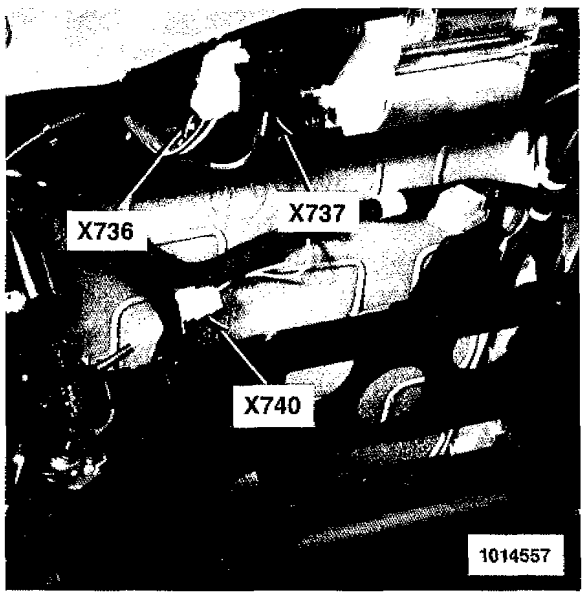


Figure 1- Under Passenger's Seat

X736 Connector (2 pins) WS
X737 Connector (2 pins) SW
X740 Connector (2 pins) WS

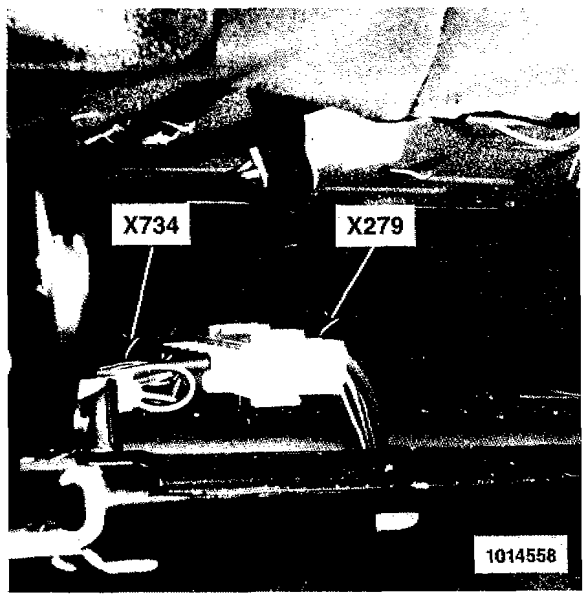


Figure 2- Under Passenger's Seat

X279 Connector (12 pins) WS
X734 Connector (2 pins) WS

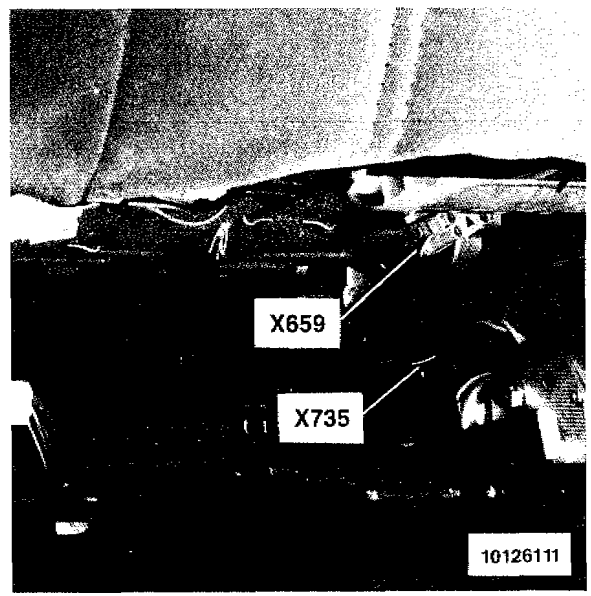


Figure 3- Under Passenger's Seat

X659 Connector (6 pins) BL
X735 Connector (2 pins) SW

source: www.ow.no

COMPONENT LOCATION VIEWS

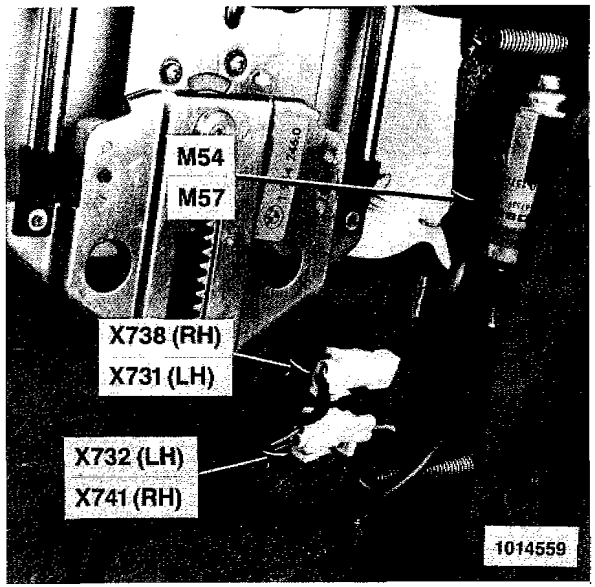


Figure 1- Inside Back Of LH Front Seat (RH Similar)

M54 Driver's Headrest Motor
M57 Passenger's Headrest Motor
X731 Connector (2 pins) (LH) WS
X732 Connector (2 pins) (LH) WS
X738 Connector (2 pins) (RH) WS
X741 Connector (2 pins) (RH) WS

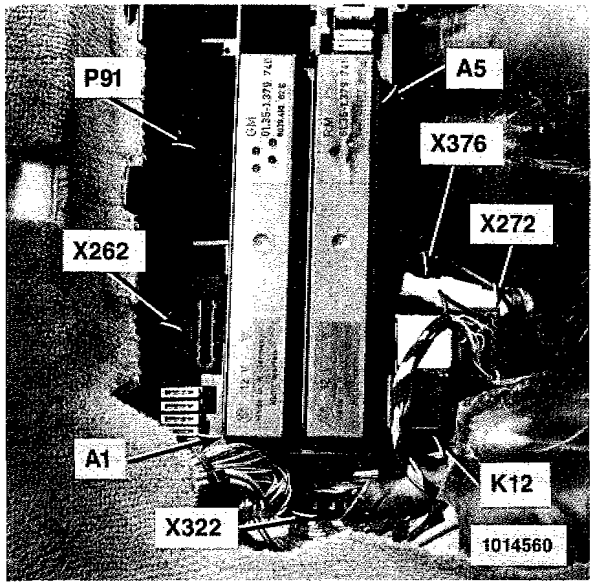


Figure 2- Below LH Side Of Rear Seat

A1 General Module
A5 Relay Module
K12 Wiper Pressure Control (ADV) Relay
P91 Rear Power Distribution Box
X262 Connector (26 pins) BL
X272 Connector (12 pins) SW
X322 Connector (6 pins) SW
X376 Connector (2 pins) WS

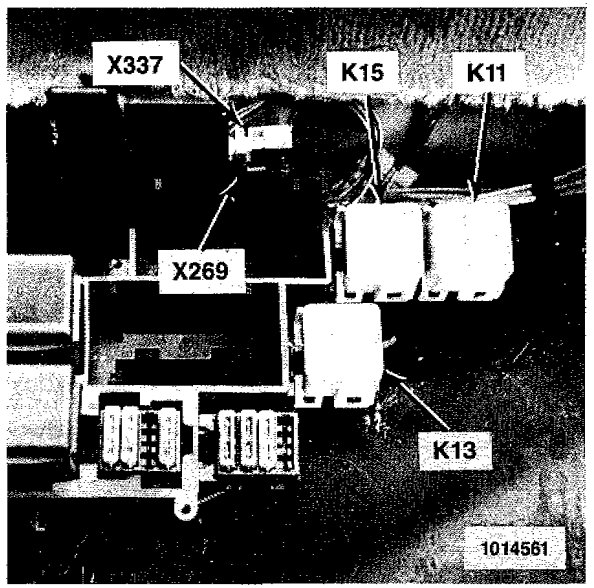


Figure 3- Below LH Side Of Rear Seat

K11 Wiper Relay
K13 Rear Defogger Relay
K15 Electric Power Protection Relay
X269 Connector (6 pins) SW
X337 Connector (4 pins) WS

source: www.ow.no

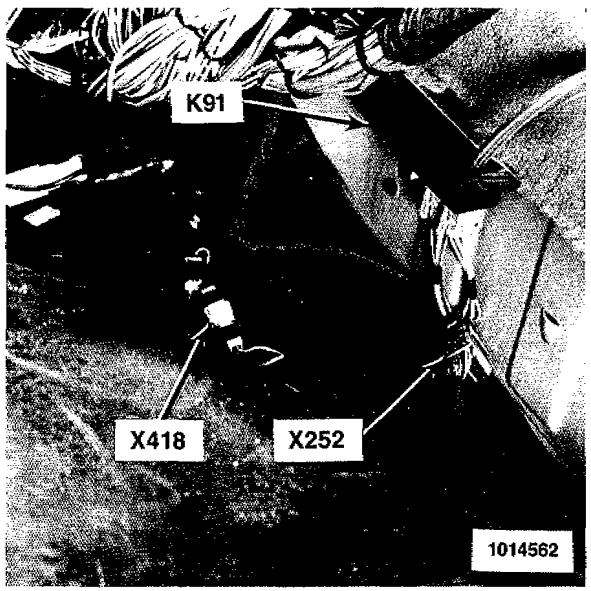


Figure 1- Below LH Side Of Rear Seat (Rear Power Distribution Box Removed)

K91 On-Board Computer Horn Relay
X252 Connector (26 pins) GN
X418 Connector (1 pin) GE

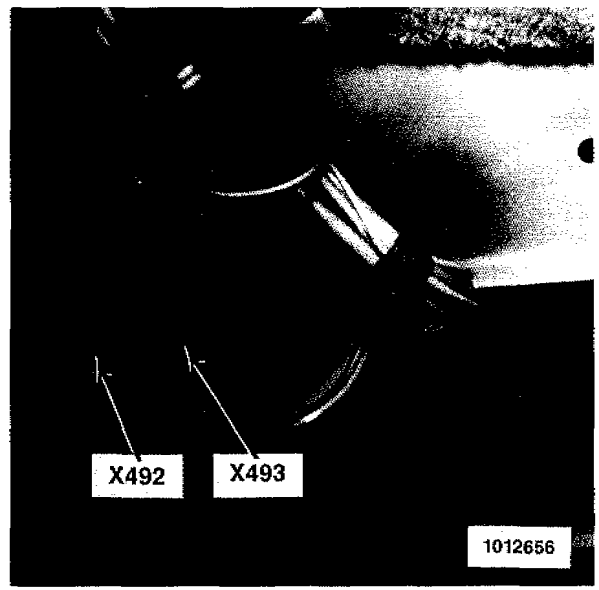


Figure 2- Below LH Side Of Rear Seat

X492 Ground
X493 Ground

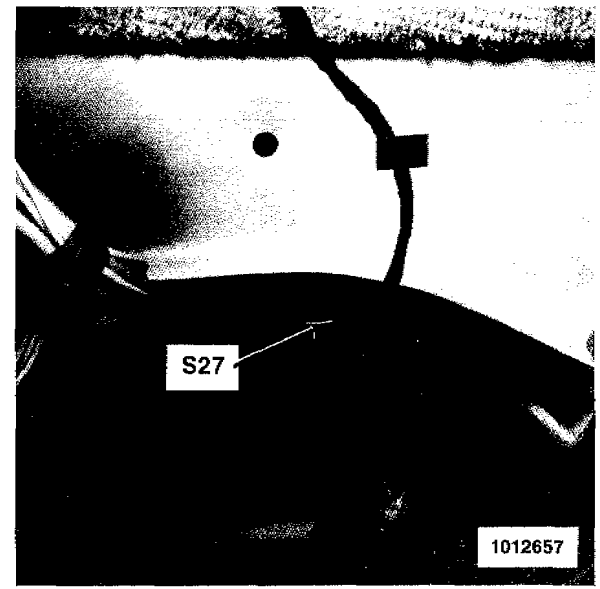


Figure 3- Below LH Side Of Rear Seat

S27 Inertia Switch

source: www.ow.no

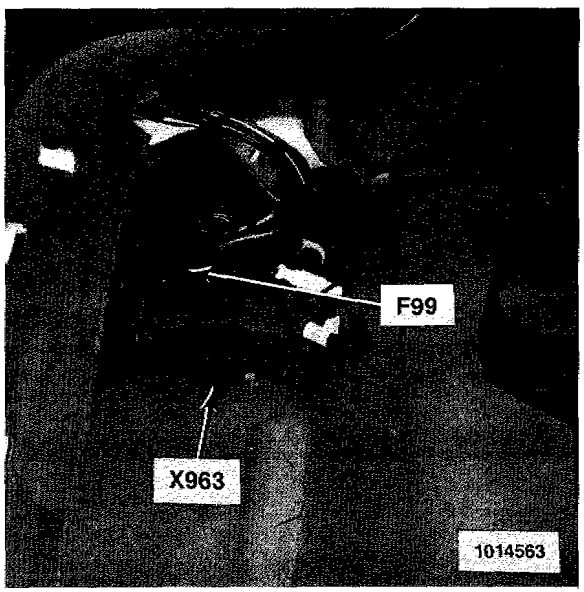


Figure 1- Below RH Side Of Rear Seat (525i)

F99 Fusible Link 50A
X963 B+ Junction Post

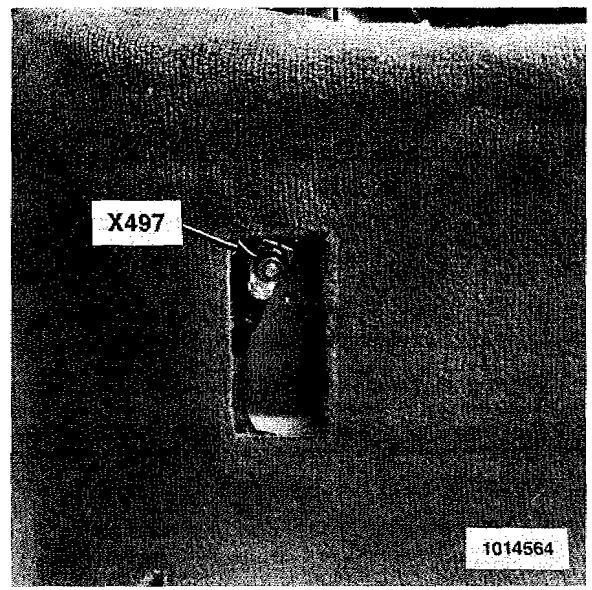


Figure 2- Ahead Of RH Side Of Rear Seat

X497 Ground (Battery)

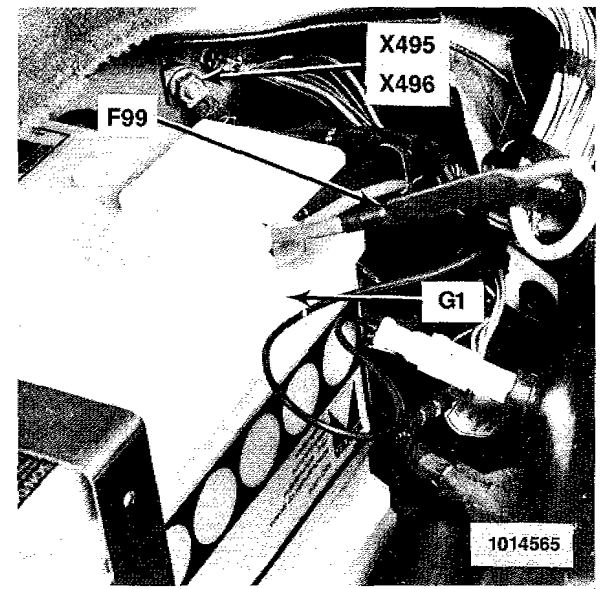


Figure 3- Below RH Side Of Rear Seat (535i Shown; 525i Similar)

F99 Fusible Link
G1 Battery
X495 Ground
X496 Ground

source: www.ow.no

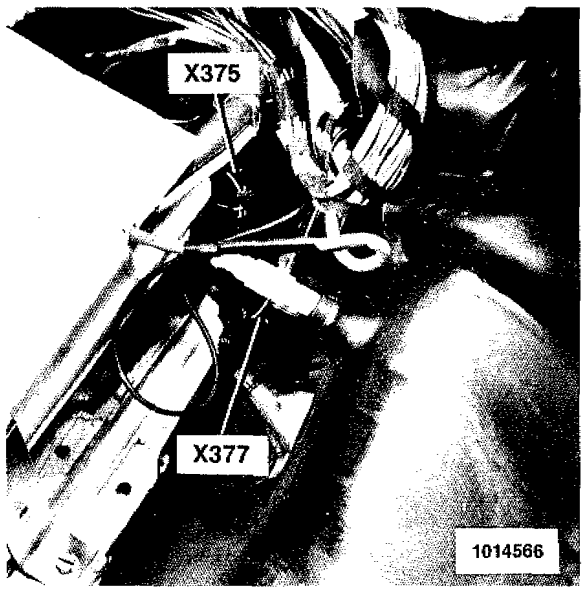


Figure 1- Below RH Side Of Rear Seat (535i Shown; 525i Similar)

X375 Connector (3 pins) SW
X377 Connector (2 pins) WS

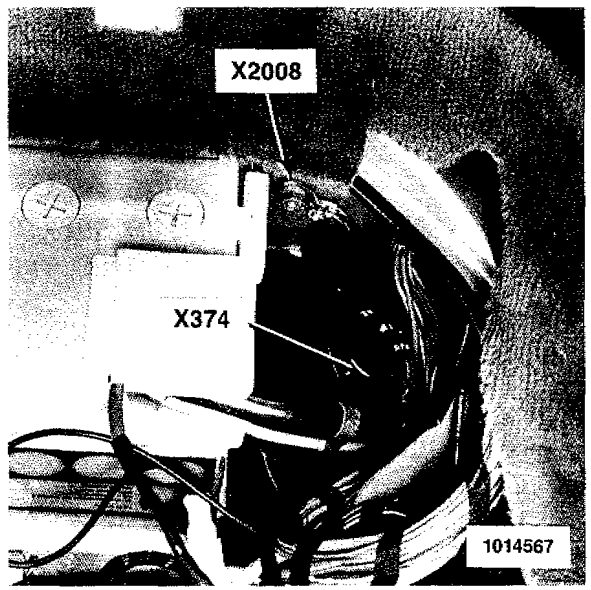


Figure 2- Below RH Side Of Rear Seat (535i Shown; 525i Similar)

X374 Connector (3 pins) SW
X2008 Ground

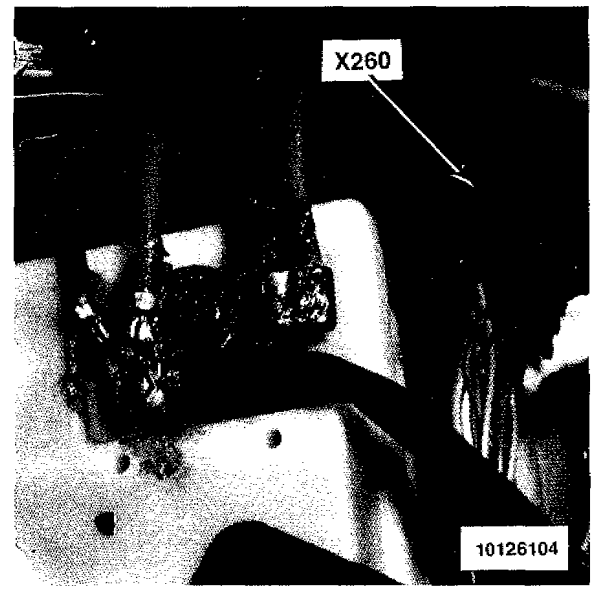


Figure 3- Below RH Side Of Rear Seat (535i Shown; 525i Similar)

X260 Connector (21 pins) SW

source: www.ow.no

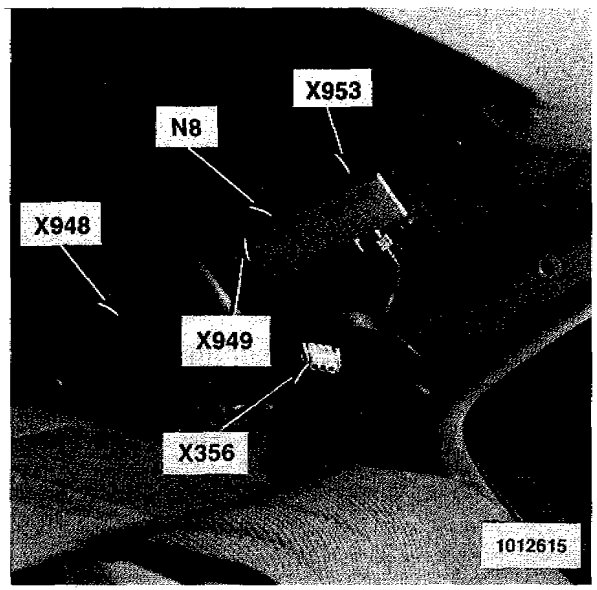


Figure 1- LH "C" Pillar

N8 Antenna Amplifier
X356 Connector (3 pins) WS
X948 Connector (1 pin) SW
X949 Connector (1 pin) SW
X953 Connector (1 pin) SW

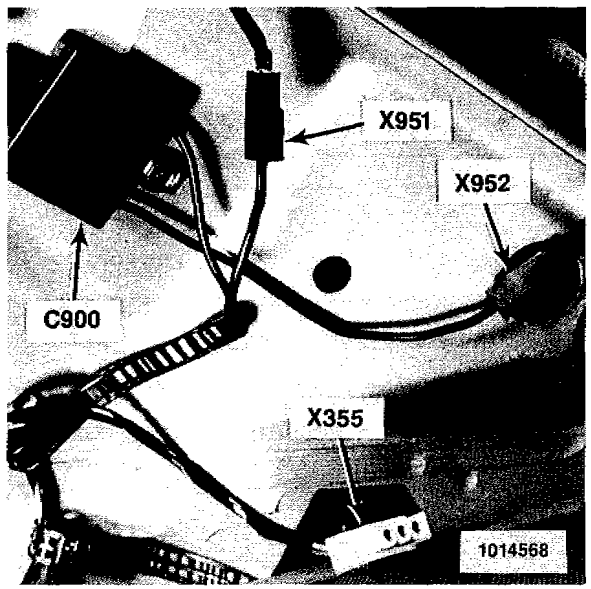


Figure 2- RH "C" Pillar

C900 Defogger Coupler
X355 Connector (3 pins) WS
X951 Connector (1 pin) SW
X952 Connector (1 pin) SW

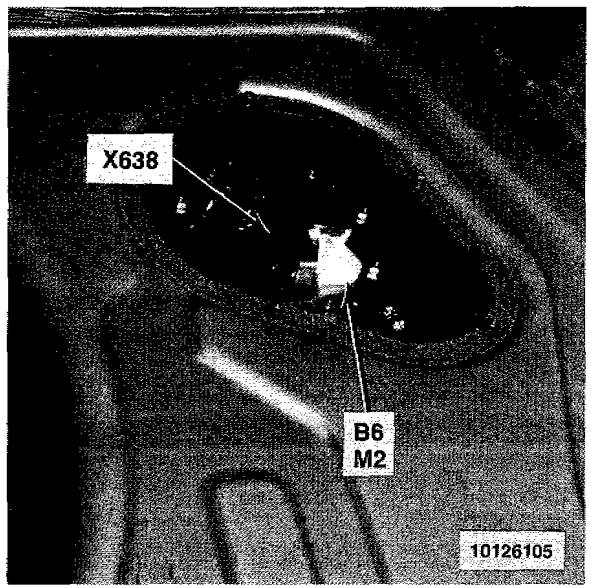


Figure 3- RH Side Of Luggage Compartment, Below Maintenance Cover

B6 Fuel Tank Sensor
M2 Fuel Pump
X638 Connector (8 pins) SW

source: www.ow.no

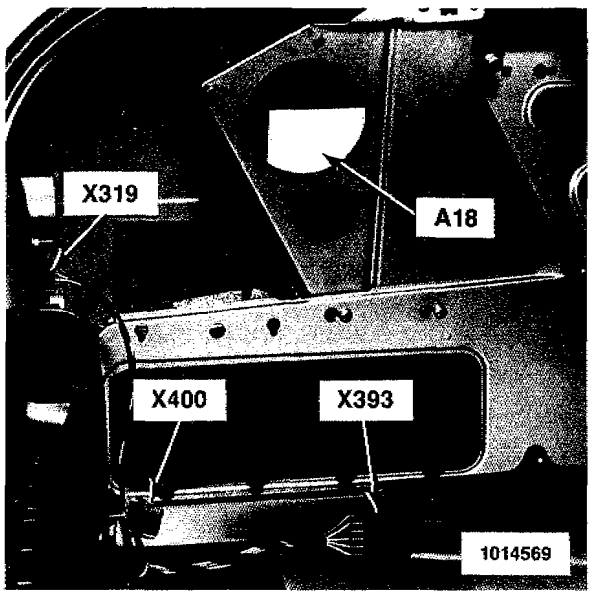


Figure 1- LH Side Of Luggage Compartment

A18 HIFI Amplifier
X319 Connector (4 pins) SW
X393 Conenctor (6 pins) SW
X400 Conector (3 pins) SW

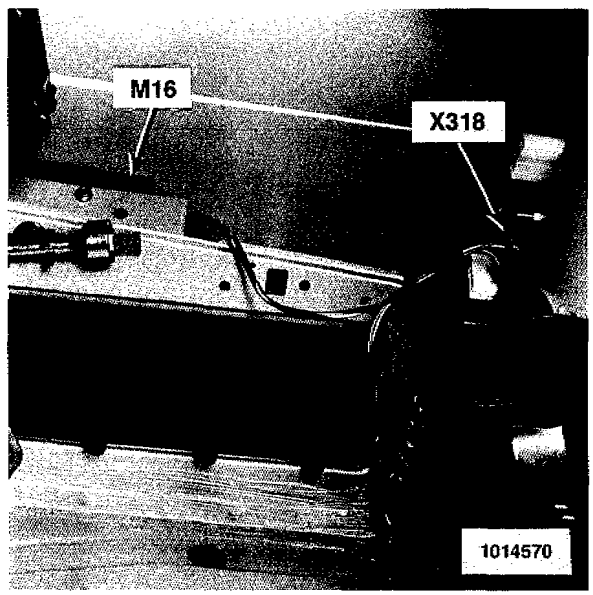


Figure 2- RH Side Of Luggage Compartment

M16 Gas Filler Lock Motor
X318 Connector (4 pins) SW

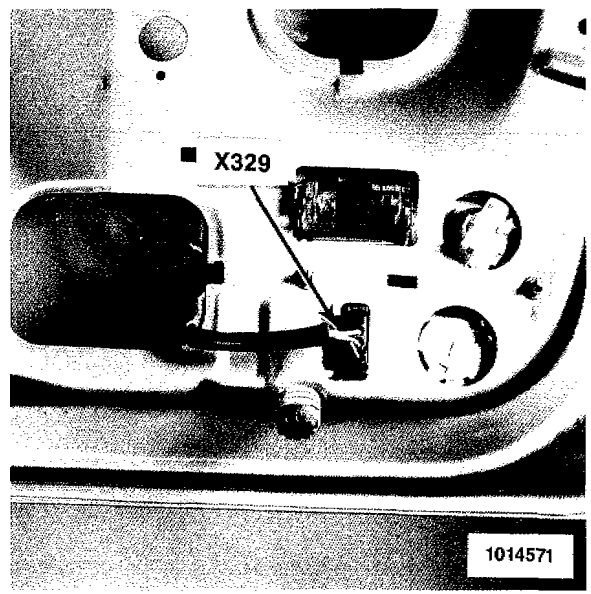


Figure 3- LH Rear Of Trunk Lid

X329 Connector (4 pins) SW

source: www.ow.no

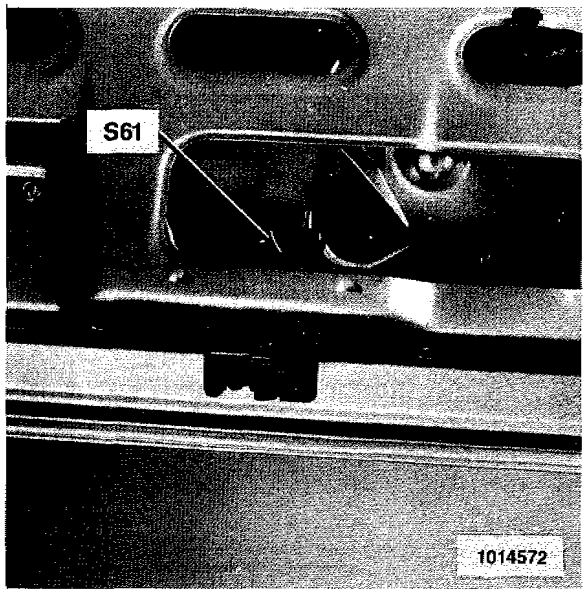


Figure 1- Center Rear Of Trunk Lid

S61 Trunk Lid Switch

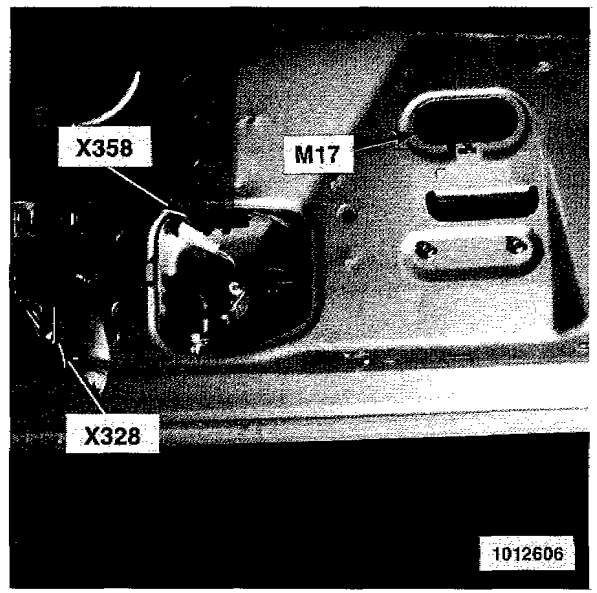


Figure 2- RH Rear Of Trunk Lid

M17 Trunk Lock Motor
X328 Connector (4 pins) SW
X358 Connector (3 pins) SW

source: www.ow.no

SPLICE LOCATION VIEWS

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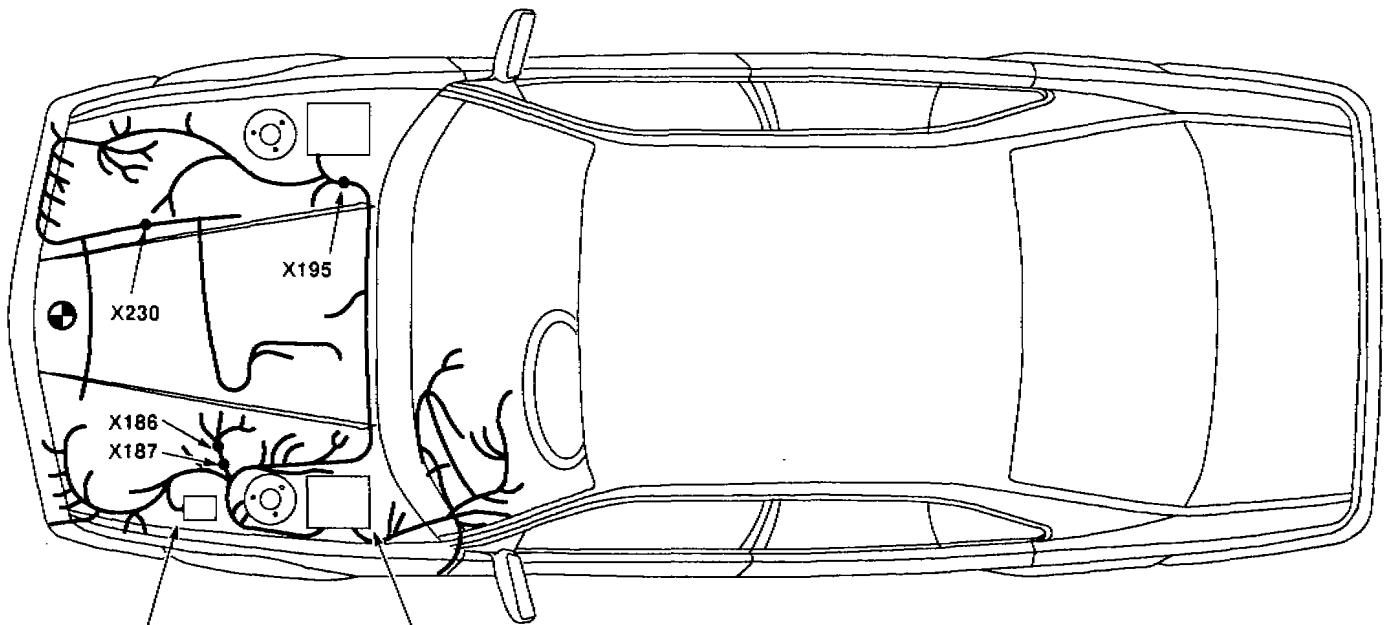
This index contains all the splices in the car, what harness each one is in, and the page that the splices appear on. The drawings after the index show how the harness is routed through the car and where the splices are located on the harness.

Splice	Harness	Page
X181-X246	Front	8000.0-01
X428-X475	Rear	8000.0-05
X557-X584	Instrument	8000.0-04
X831	Sunroof	Not shown
X833	Rear	8000.0-05
X834	LH Rear Door	Not shown
X835	RH Rear Door	Not shown
X836	Driver's Seat	Not shown
X839-X843	Driver's Seat	Not shown
X844-X847	Passenger's Seat	Not shown
X848-X851	Driver's Door	Not shown
X852-X860	IHKR	Not shown
X863	Passenger's Door	Not shown
X864-X865	Park Ventilation	Not shown
X1029	Front	8000.0-01
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X1043	Front	8000.0-01
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X1359	Rear	8000.0-05
X1360	Front	8000.0-01
X1902-X1955	M30 Engine	8000.0-02
	M20 Engine	8000.0-03
X2010	AEGS	Not shown

source: www.ow.no

SPLICE LOCATION VIEWS

FRONT HARNESS



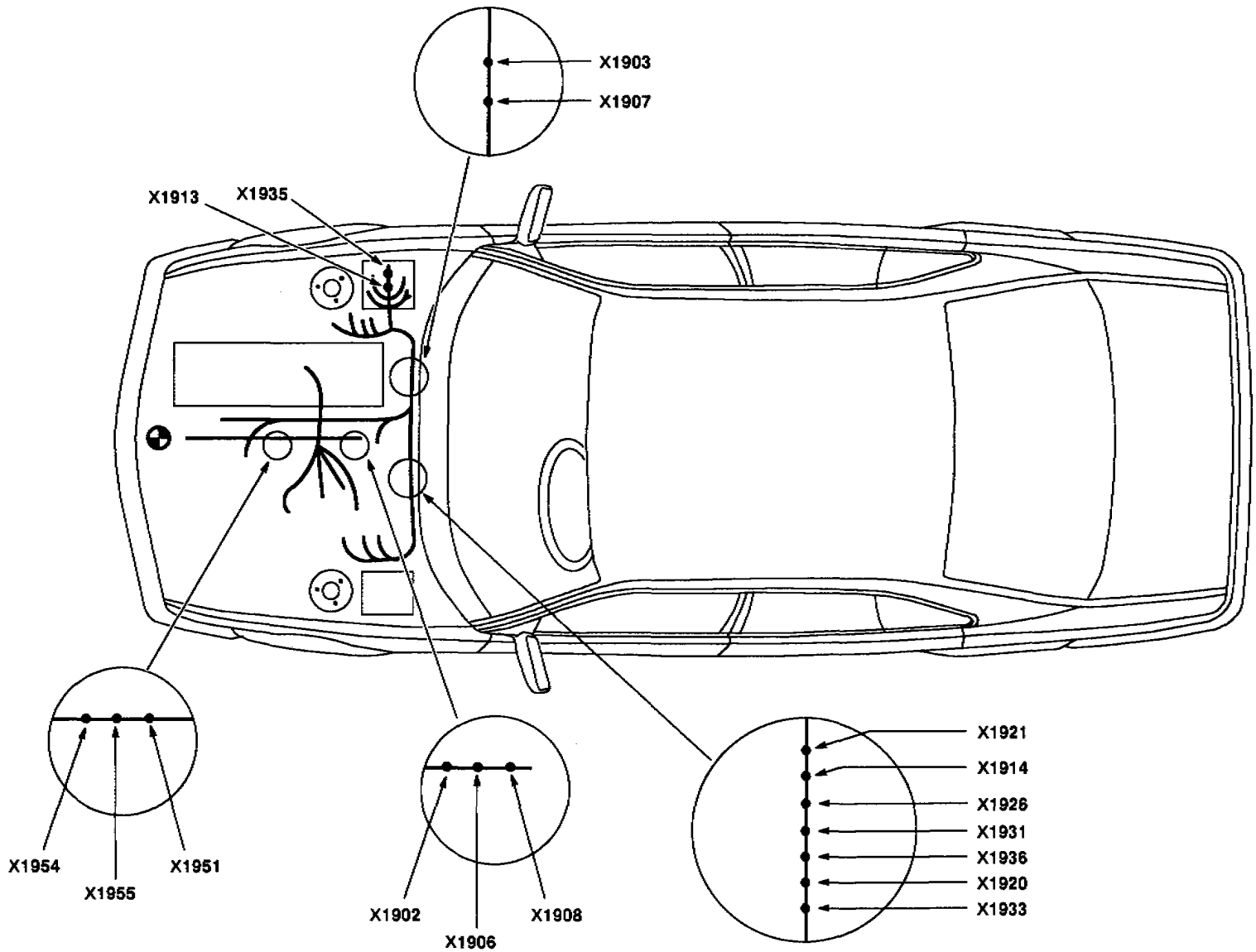
X189 •
X202 •

X181 •	X196 •	X207 •	X225 •	X1043 •
X182 •	X197 •	X208 •	X226 •	X1202 •
X183 •	X198 •	X209 •	X227 •	
X184 •	X199 •	X212 •	X228 •	
X185 •	X200 •	X213 •	X241 •	
X188 •	X201 •	X214 •	X245 •	
X190 •	X203 •	X215 •	X246 •	
X191 •	X204 •	X217 •	X1029 •	
X192 •	X205 •	X222 •	X1030 •	
X193 •	X206 •	X223 •	X1033 •	

source: www.ow.no

SPLICE LOCATION VIEWS

M30 ENGINE HARNESS (535i)

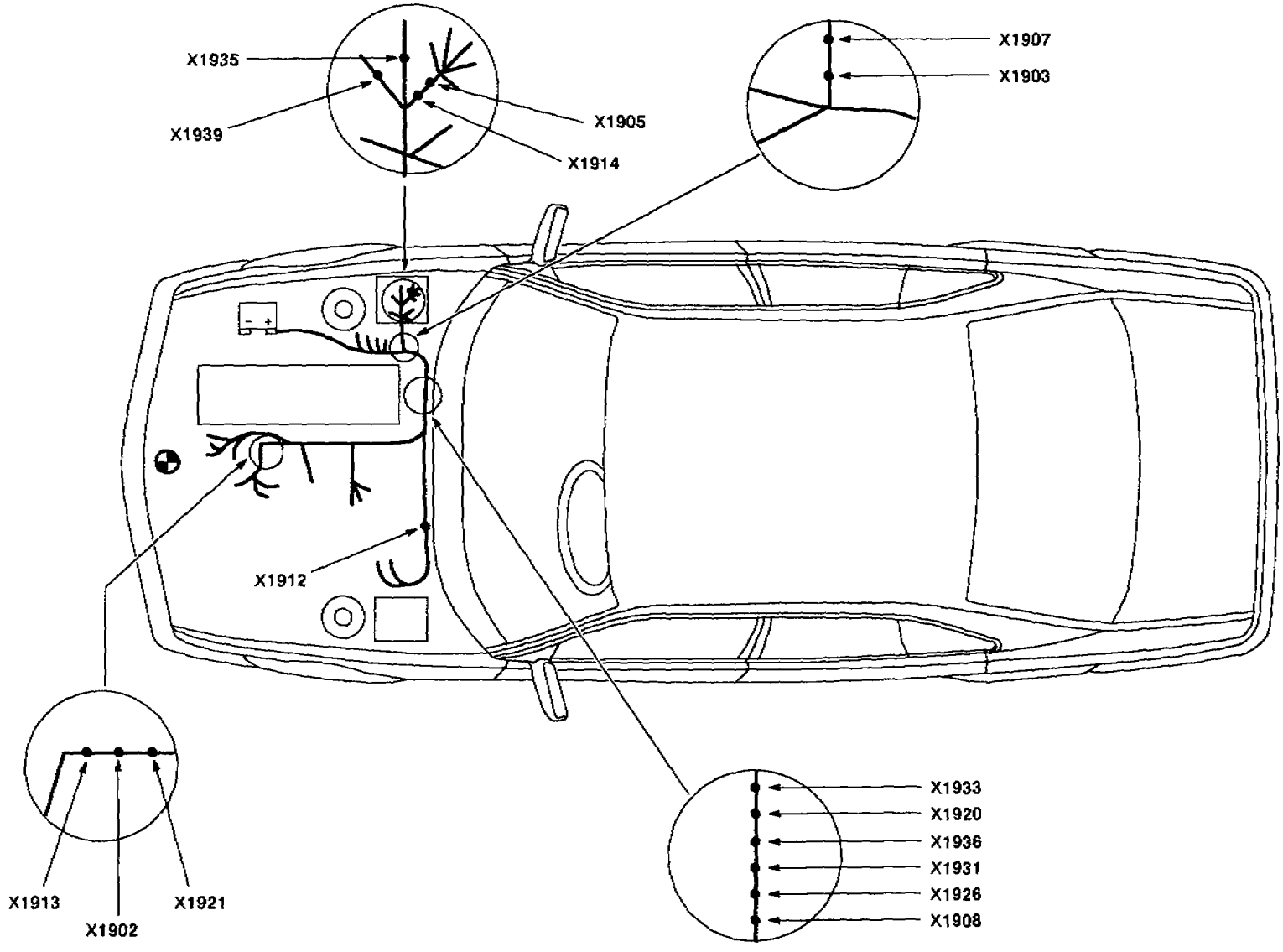


source: www.ow.no

SPLICE LOCATION VIEWS

525i

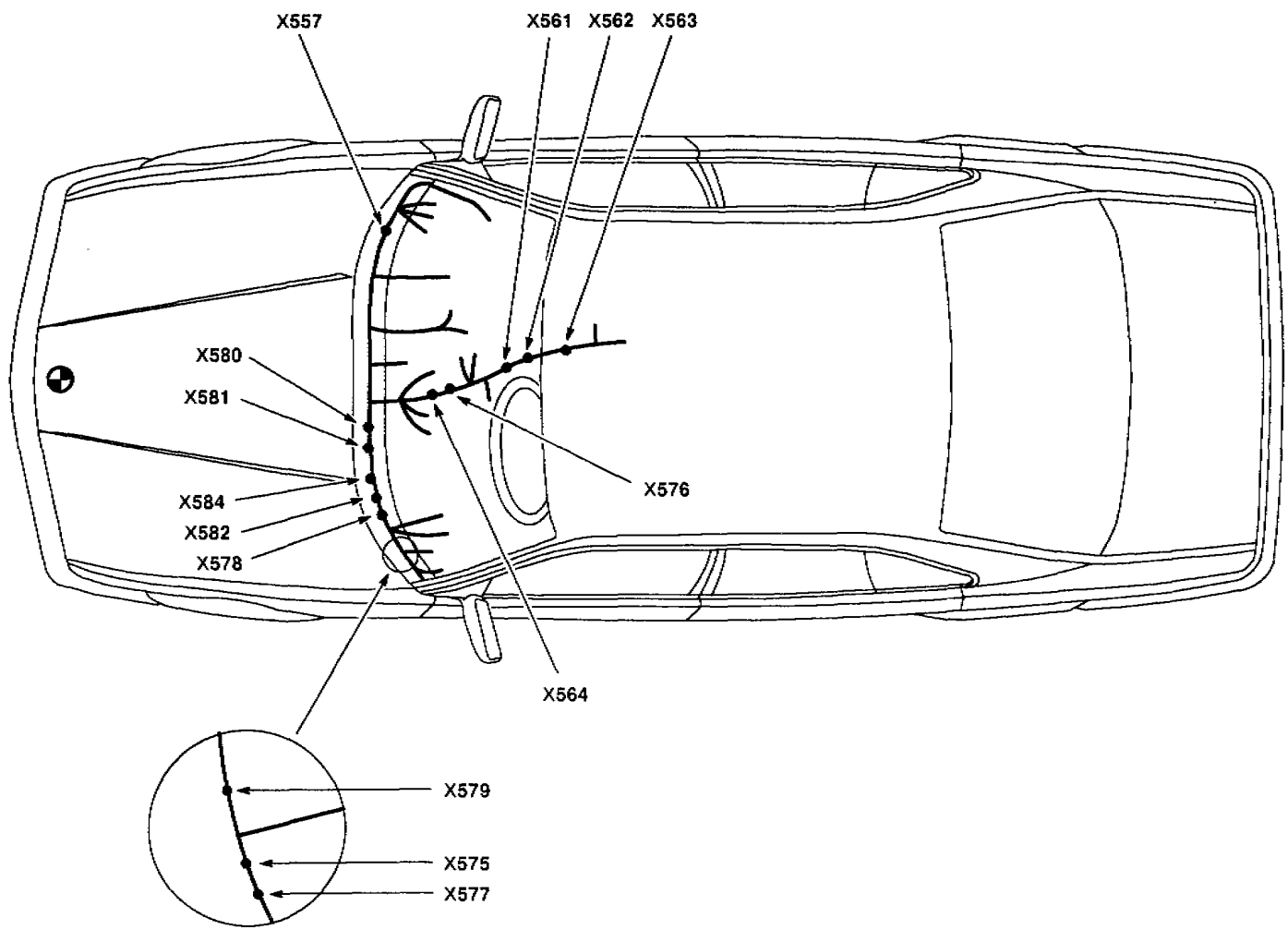
M20 ENGINE HARNESS (525i)



source: www.ow.no

SPLICE LOCATION VIEWS

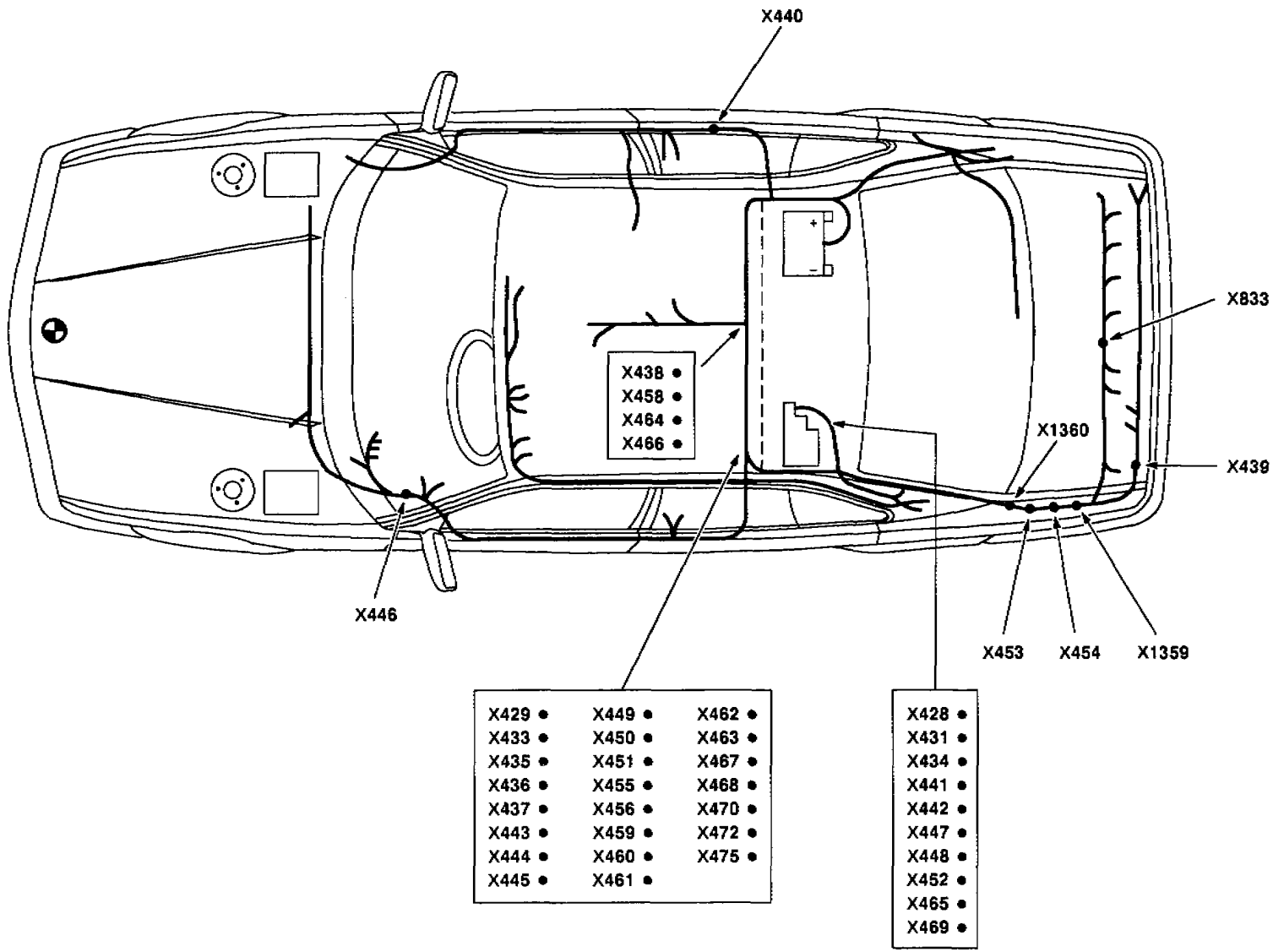
INSTRUMENT HARNESS



source: www.ow.no

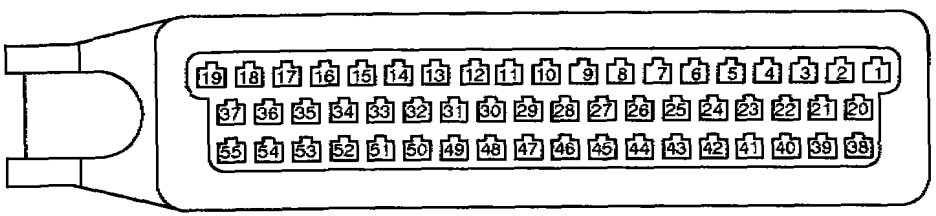
SPLICE LOCATION VIEWS

REAR HARNESS



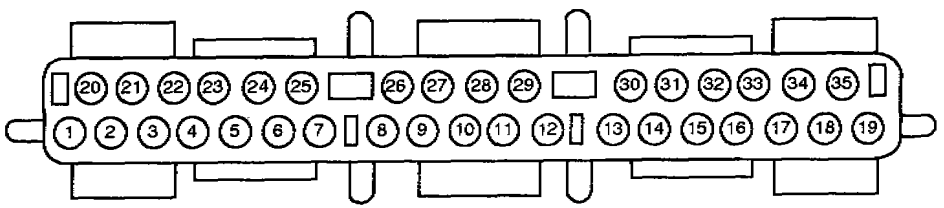
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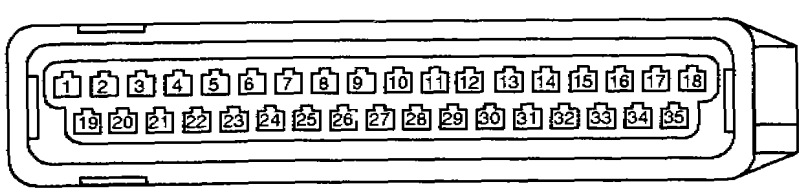
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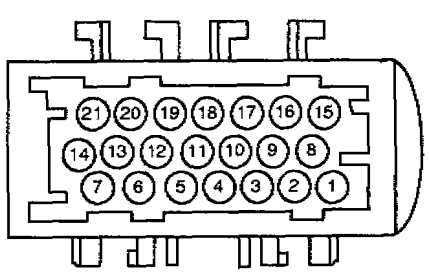
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X11 NA

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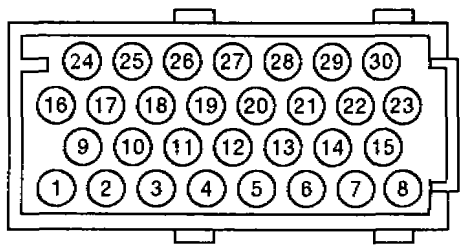


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source: www.ow.no

CONNECTOR VIEWS

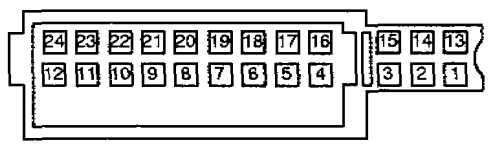
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X14 GE

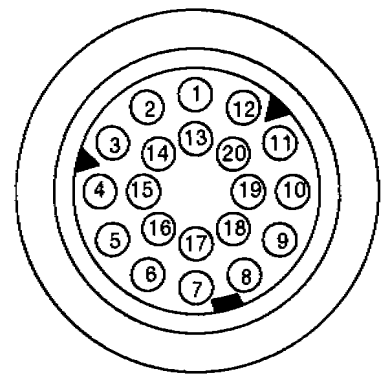
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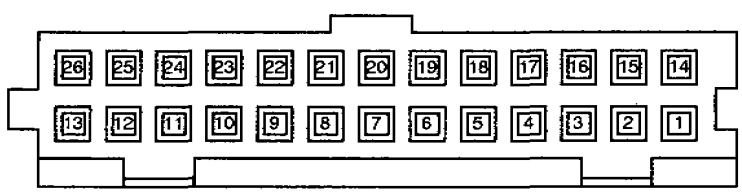
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X20 SW

B260002.00



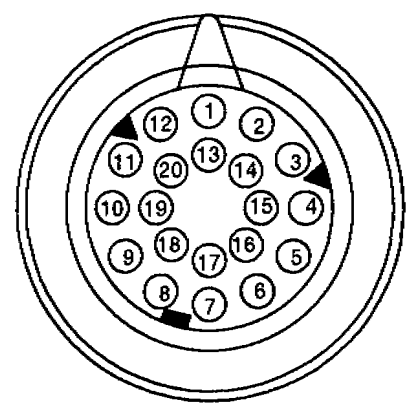
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X18 BL

X19 GN

X22 BL

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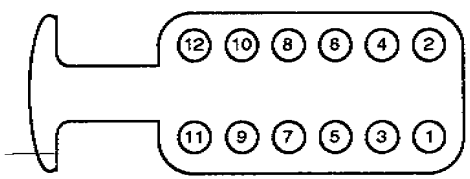


X21 SW

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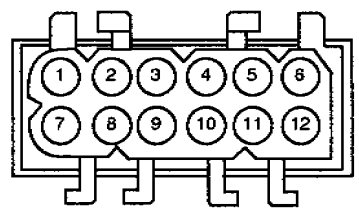
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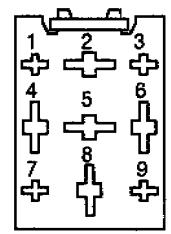
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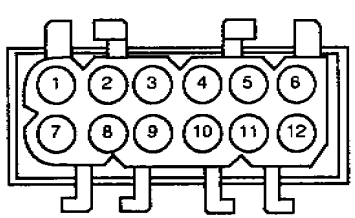
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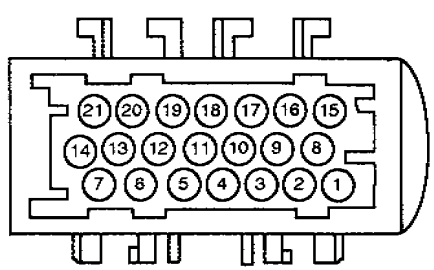
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X53	WS				

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X32 WS

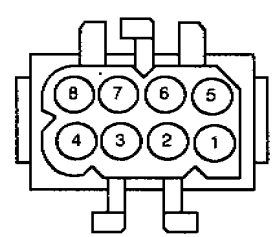
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X35 SW

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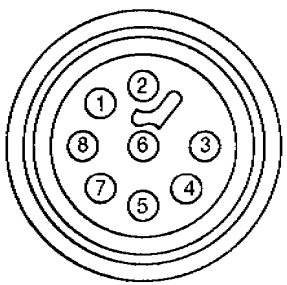
X69 WS

X72 WS

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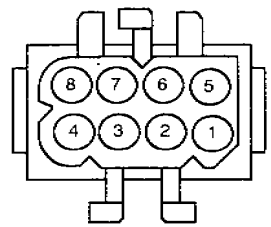
CONNECTOR VIEWS

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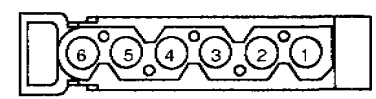
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X71 SW

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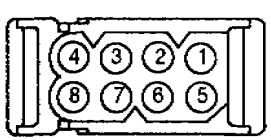
X74 OR

B060017.00



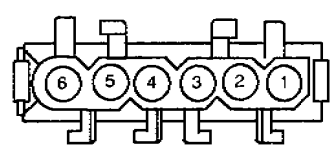
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X73 SW

B060003.03

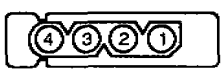


X75 OR

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CONNECTOR VIEWS

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X79 WS

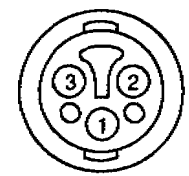
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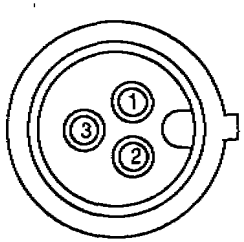
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X84 GE

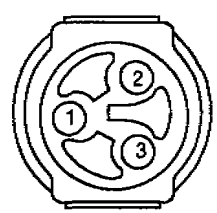
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X81 OR

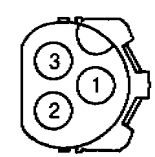
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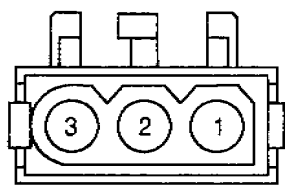


X87 SW

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CONNECTOR VIEWS

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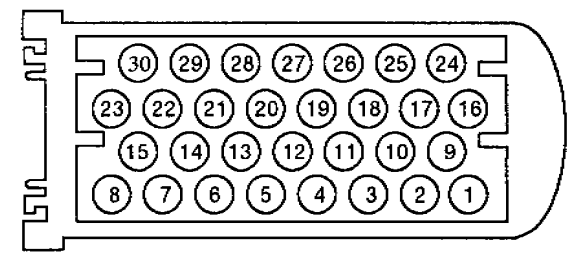
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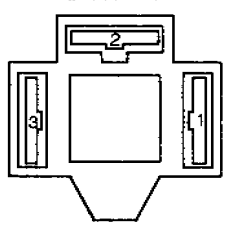
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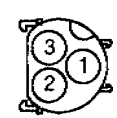
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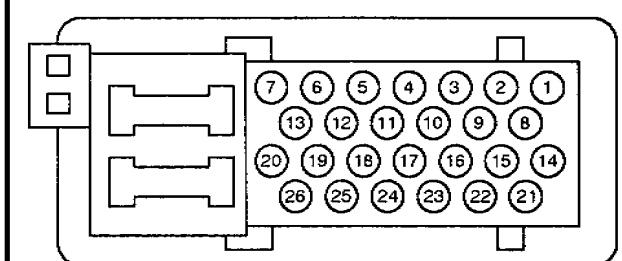
X89 SW
X90 SW
X93 SW
X94 SW

B030004.00



X163 SW

B260003.00



FOR X269 SEE PAGE 8500.0-24

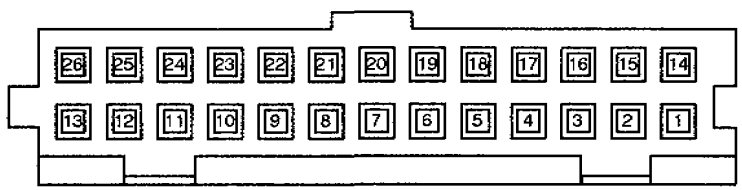
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X257 GR

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CONNECTOR VIEWS

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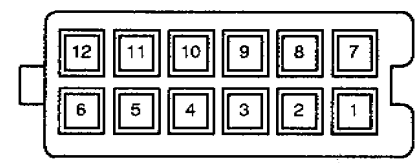
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X252 GN
X253 GN
X254 WS
X255 GE
X262 BL

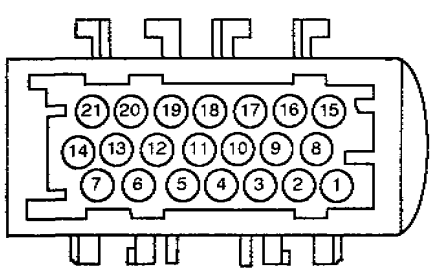
FOR X258 AND 259, SEE PAGE 8500.0-24

B120011.00



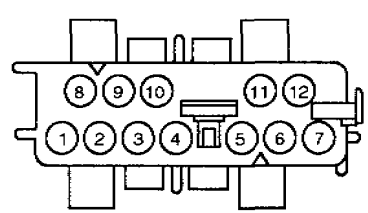
X271 GR

B210001.00



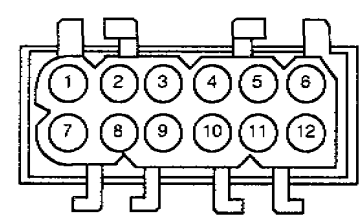
X260 SW

B120005.00



X270 SW

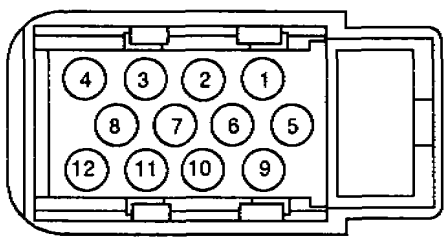
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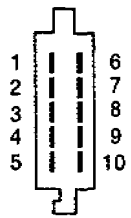
X272 SW

source: www.ow.no

B120003.01

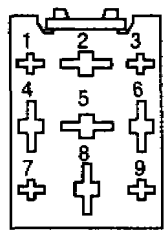


B100001.01



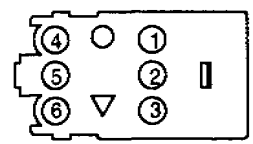
X273	WS	X277	SW
X274	WS	X278	SW

B090001.01



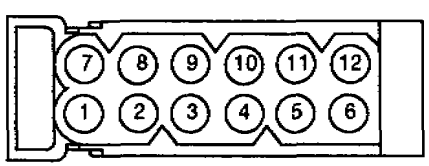
X290	SW	X293	WS
X291	SW	X294	WS
X292	WS	X297	WS

B060005.12



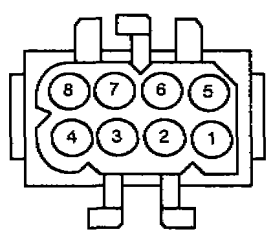
X311	SW
X312	SW

B120002.00



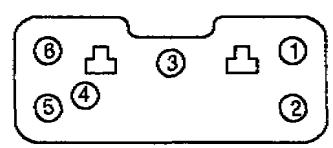
X275	WS
X279	WS

B080001.02



X295	SW

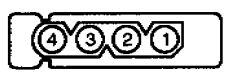
B060002.00



X316	WS
X317	SW

source: www.ow.no

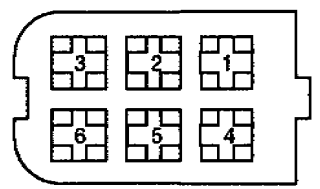
B0400004.00



X318 SW

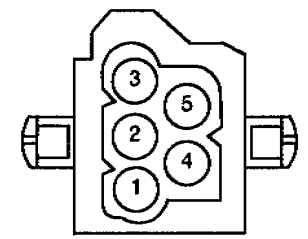
X319 SW

B060006.00



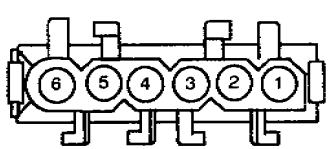
X323 SW

B050005.00



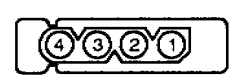
X331 GN

B060003.00



X322 SW

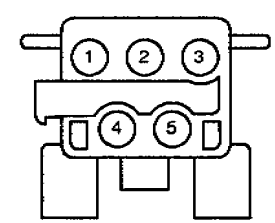
B0400004.00



X328 SW

X329 SW

B050006.00

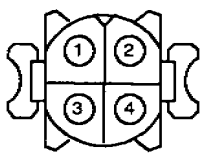


X332 SW

source: www.ow.no

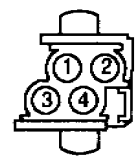
CONNECTOR VIEWS

B040008.00



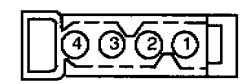
X333 SW

B040003.00



X335 GN

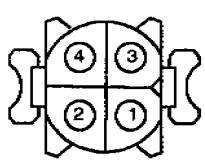
B040005.00



X338 SW

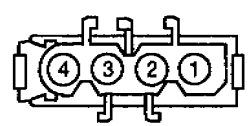
X339 SW

B040008.00



X334 WS

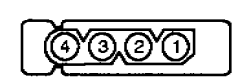
B040002.00



X336 WS

X337 WS

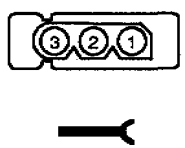
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X342 WS

source: www.ow.no

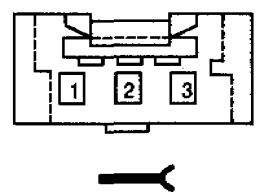
B030003.00



X355 WS

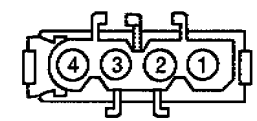
X356 WS

B0300010.00



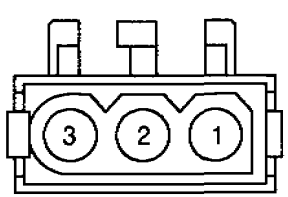
X360 NA

B040002.00



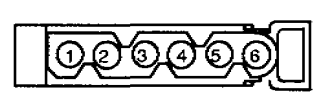
X400 SW

B030001.01



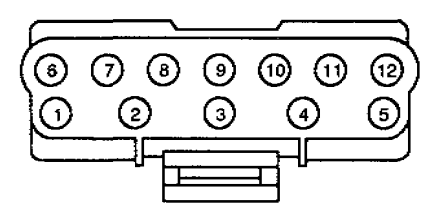
X358 SW

B060001.02



X393 SW

B120006.00

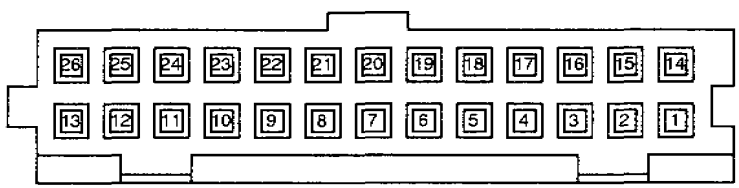


X503 SW

X504 SW

source: www.ow.no

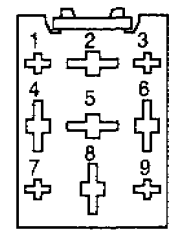
B260002.02



X501 GN

X502 WS

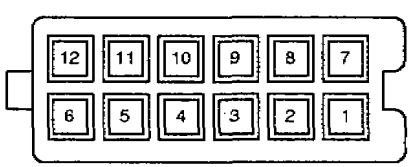
B090001.04



X509 SW

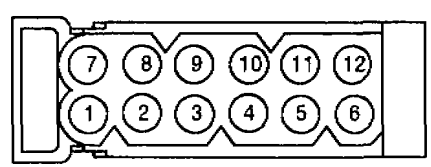
X510 SW

B120011.00



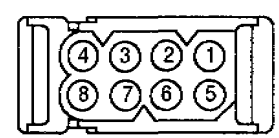
X505 GR

B120002.01



X506 SW

B080002.00



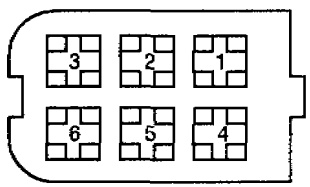
X511 SW

X512 SW

source: www.ow.no

CONNECTOR VIEWS

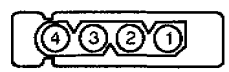
B060006.00



X514 BL

X521 SW

B0400004.00



X517 SW

X518 SW

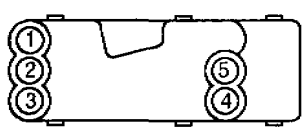
X519 WS

B030003.01



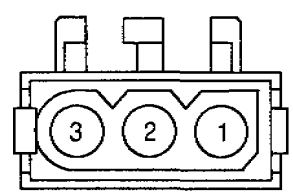
X522 WS

B050003.00



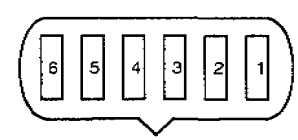
X516 SW

B030001.02



X520 WS

B060023.00

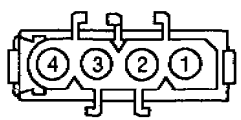


X523 SW

source: www.ow.no

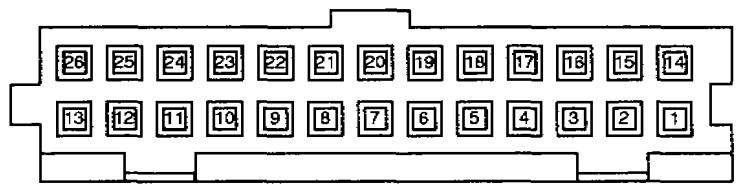
CONNECTOR VIEWS

B0400002.00



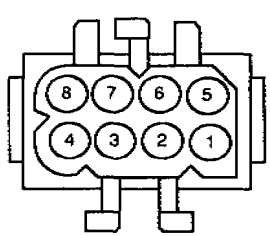
X524 SW

B260002.02



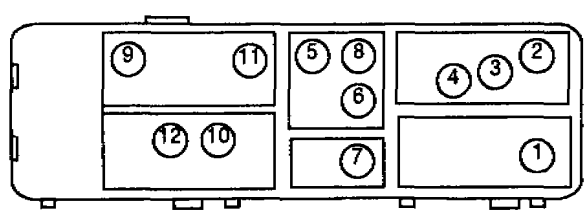
X601	SW	**X612**	BL
X602	SW	**X613**	BL
X610	WS	**X614**	GE
X611	GN		

B080001.02



X526 SW

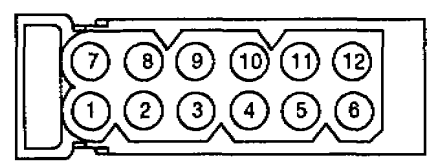
B120008.00



X603 SW

X604 SW

B120002.00

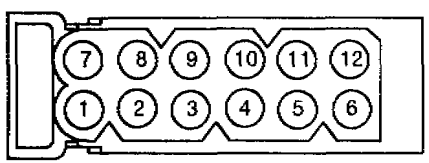


X605 SW

source: www.ow.no

CONNECTOR VIEWS

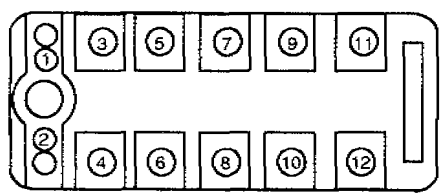
B120002.01



X606 WS

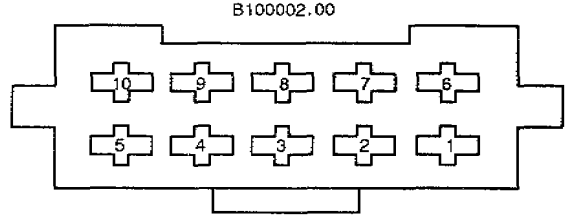
X619 WS

B120009.00



X608 SW

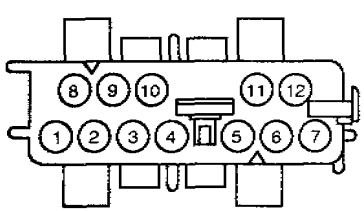
B100002.00



X621 SW

X622 SW

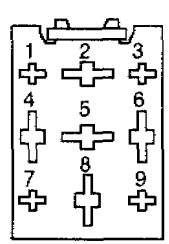
B120005.01



X607 SW

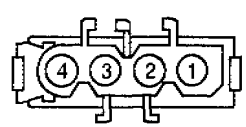
X609 SW

B090001.02



X620 WS

B040002.00



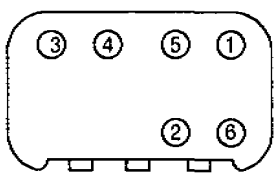
X623 GR

X624 GR

source: www.ow.no

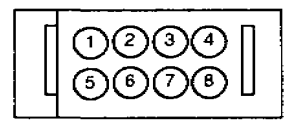
CONNECTOR VIEWS

B060013.00



X625 SW

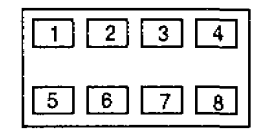
B080010.00



X627 SW

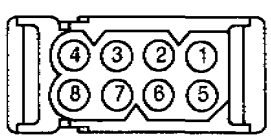
X633 SW

B080000.00



X629 NA

B080002.01



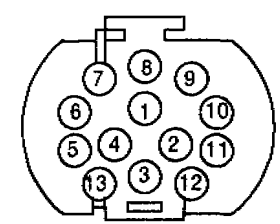
X626 SW

B030003.03



X628 SW

B130002.00

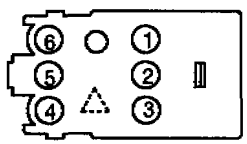


X630 SW

source: www.ow.no

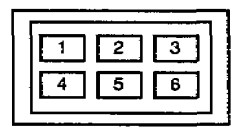
CONNECTOR VIEWS

B060005.00



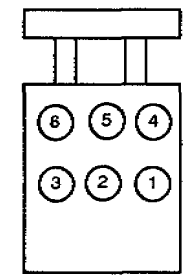
X636	SW	▽
X637	SW	▽
X643	BL	△

B060019.00



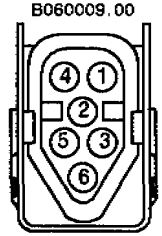
X640	SW	

B060011.00



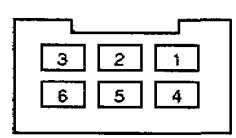
X643	SW

B060009.00



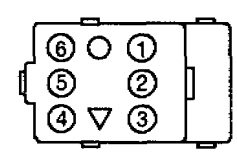
X638	SW
X641	SW
X644	SW
X646	SW
X660	SW

B060019.01



X642	SW

B060008.00

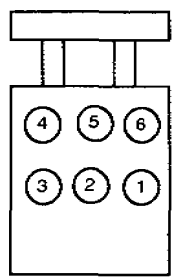


X645	SW
X647	SW

source: www.ow.no

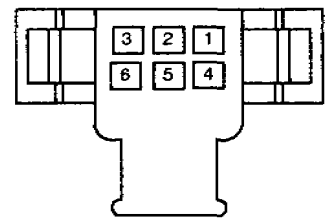
CONNECTOR VIEWS

B060011.00



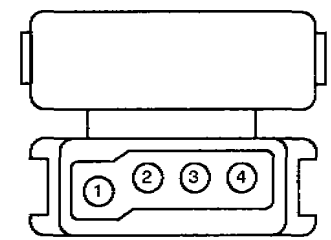
X648	SW
X649	WS

B060010.01



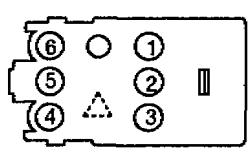
X661	SW	X666	SW
X662	SW	X667	SW
X663	SW	X668	SW
X664	SW	X669	SW
X665	SW	X670	SW

B040009.00



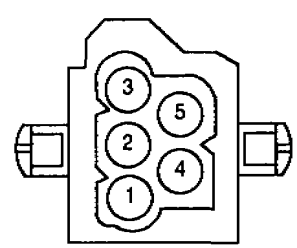
X672	SW

B060005.01



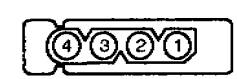
X650	SW	▽	X655	BL	△
X651	SW	▽	X656	GN	▽
X652	BL	△	X657	BR	▷
X653	SW	▽	X658	SW	▽
X654	WS	▷	X659	BL	△

B050001.00



X671	GN

B0400004.01

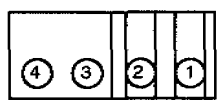


X673	SW
X674	SW

source: www.ow.no

CONNECTOR VIEWS

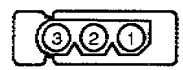
B040009.00



X675 WS

X676 SW

B030003.02

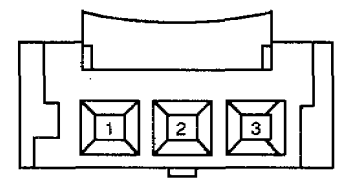


X680 SW

X683 SW

X693 SW

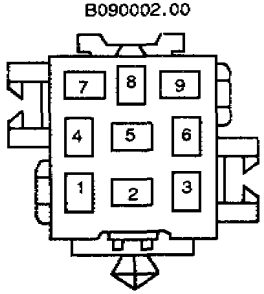
B030016.00



X682 NA

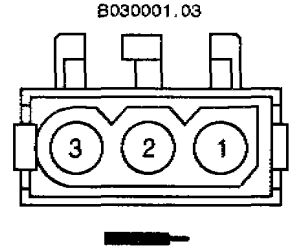
X694 NA

B090002.00



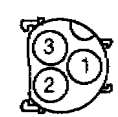
X677 SW

B030001.03



X681 WS

B030004.01



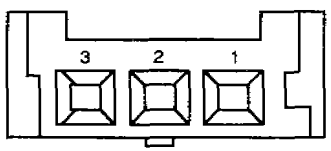
X684 SW

X685 SW

source: www.ow.no

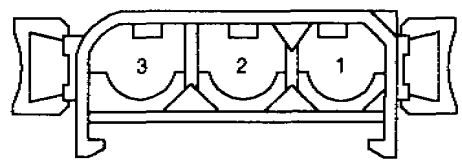
CONNECTOR VIEWS

B030007.00



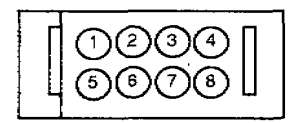
X686	BL	X689	BL
X687	BL	X690	BL
X688	BL		

B030009.00



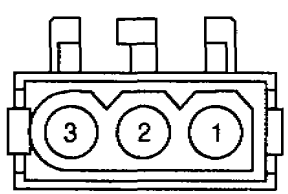
X696 SW

B080010.01



X898 SW

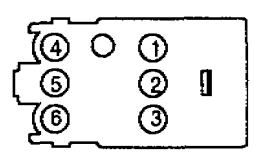
B030001.03



X692 SW

X695 SW

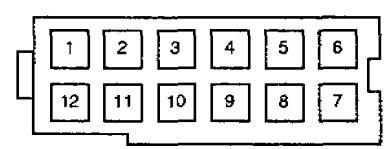
B060005.02



X881 WS

X886 WS

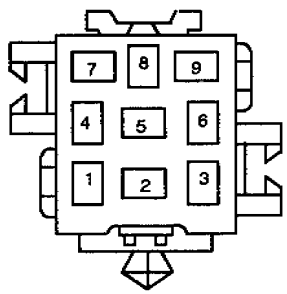
B120001.00



X899 GN

source: www.ow.no

B090002.01



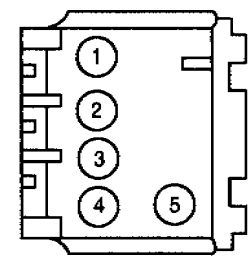
X902 SW

B040004.04



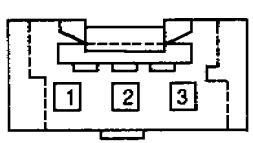
X904 SW

B050002.00



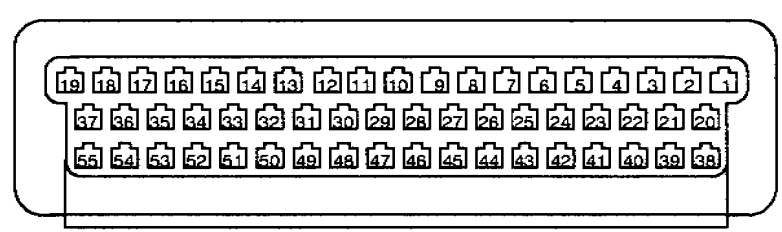
X905 SW

B0300010.01



X903 NA

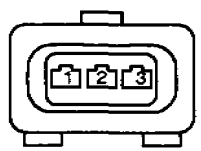
B550001.00



X1500 NA

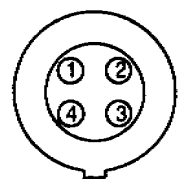
source: www.ow.no

B030015.00



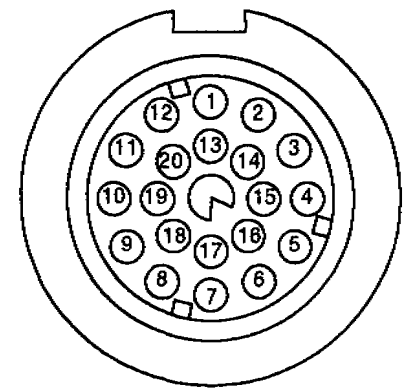
X1514 SW
X1521 SW
X1522 SW
X1525 SW
X1533 SW

B040006.00



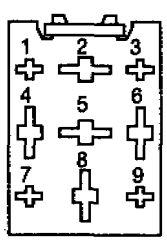
X1523 SW

B200003.00



X1532 SW

B090001.03



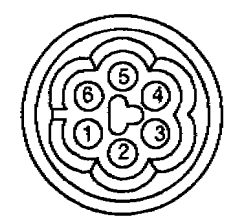
X1515 WS
X1516 WS
X1517 WS

B050006.00



X1528 SW

B060014.00

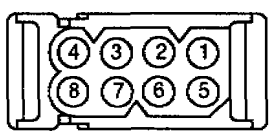


X1536 SW

source: www.ow.no

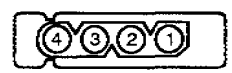
CONNECTOR VIEWS

B080002.02



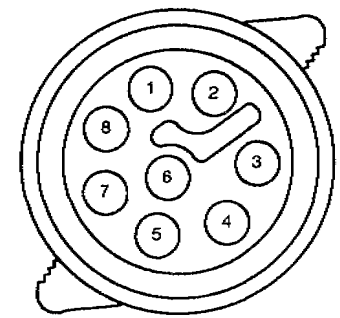
X1537 SW

B0400004.01



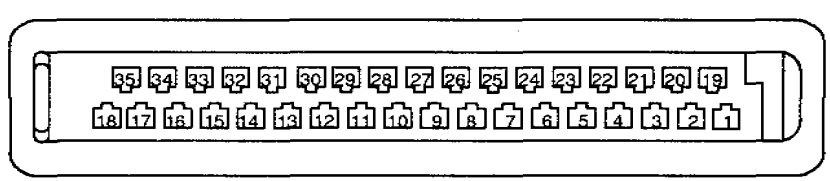
X1552 SW

B080009.00



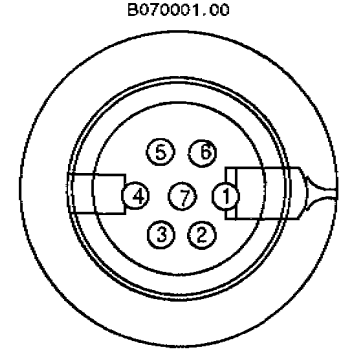
X1554 SW

B350003.00



X1550 SW

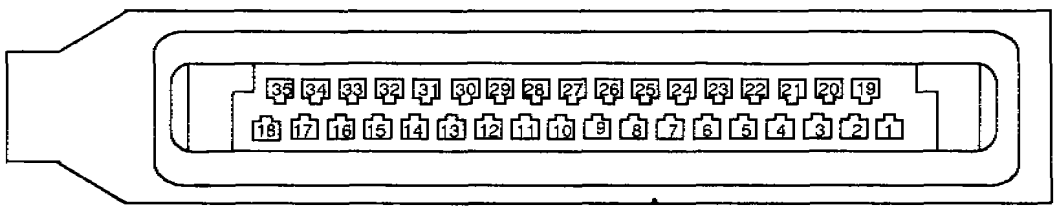
B070001.00



X1563 SW

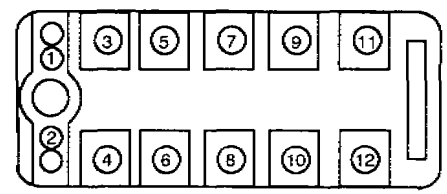
source: www.ow.no

B350004.00



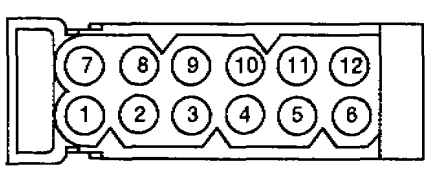
X2000 NA

B120009.01



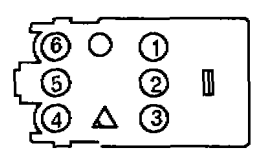
X2004 SW

B120002.04



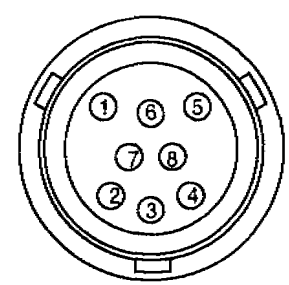
X2001 SW

B060005.17



X2003 BL

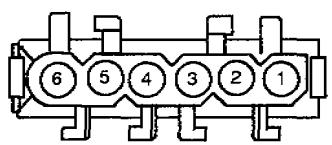
B080005.00



X2005 SW

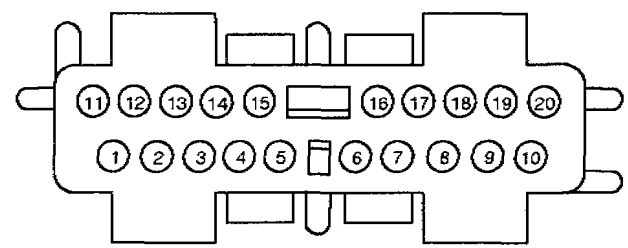
source: www.ow.no

B060003.03



X269 SW

B200001.00



X258 WS

X259 SW

source: www.ow.no