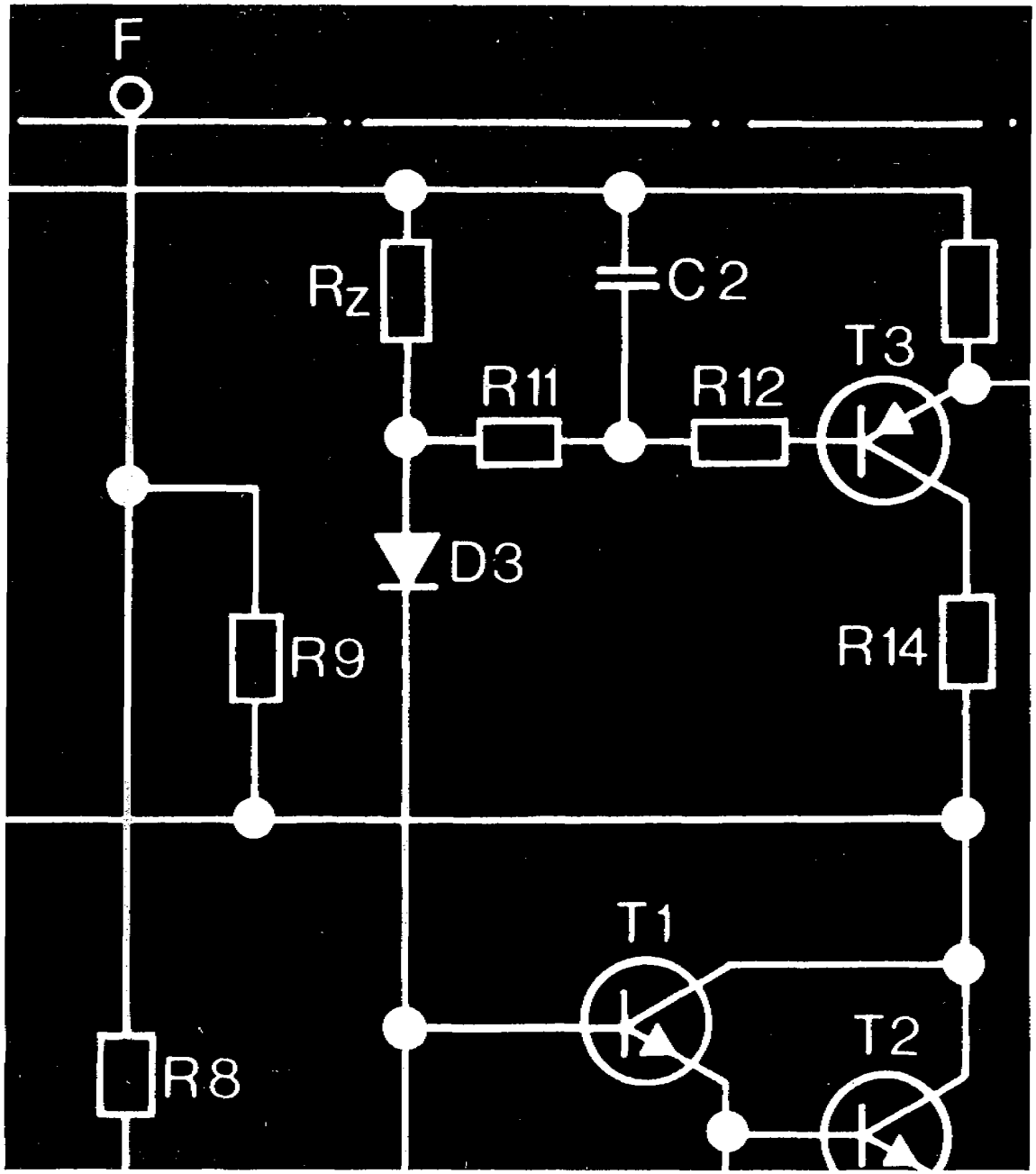


1988
BMW 735i (E32)
Electrical
Troubleshooting
Manual
Vehicles Produced 1/87 - 8/87

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INTRODUCTION

The purpose of this manual is to provide information to aid in electrical troubleshooting. It consists of schematics, component location information, harness routing views and connector views.

The manual is divided into sections called cells. In each cell electrical components that work together are shown together on one or more schematics. At the top of the page is the fuse (positive) that powers the circuit. The flow of current is shown through all wires, connectors, switches, and motors to ground (negative) at the bottom of the page.

Within the schematic all switches and sensors are shown "at rest," as though the Ignition Switch were off. For identification, component names are underlined and placed next to or above each component. Notes are included that describe how or when switches and other components work.

The Power Distribution schematics show the current feed through all the connections from the Battery and Alternator to each fuse and the Ignition and Light Switches. If a Power Distribution schematic is combined with any other circuit schematic, a complete picture is made of how that circuit works. The Ground Distribution schematics show how several circuits are connected to common grounds.

All wiring between components is shown exactly as it exists in the vehicles; however, the wiring is not drawn to scale. To aid in understanding electrical operation, wiring inside complicated components has been simplified. Further information regarding schematic symbols and references can be found in cell 0140 (Symbols).

With this car, BMW introduces the Central Body Electronics System. This system incorporates the use of a single module that controls many apparently unrelated functions. For instance, the Sunroof and Windshield Wipers are controlled by the same module. However, only the portion of the module that controls the Sunroof will appear in the Sunroof schematics.

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INTRODUCTION

Component Identification Information begins in cell 7000 and consists of the Component Location List, Component Location Photographs, and Harness Connector Faces. The Component Location List helps you find where the parts of the circuit are in the vehicle. A brief description of the location is given along with a reference to the photograph that shows the component and its connecting wires. The Harness Connector Faces show the cavity or terminal locations of all connectors having three or more pins. Harness Connector Faces help you locate test points. The drawings show the connector faces you see after the harness connector has been disconnected from a component.

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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 procedure. The steps listed below are provided for those circuits that do not include diagnositic procedures. Following these steps will enable you to make a quick diagnosis of the problem.

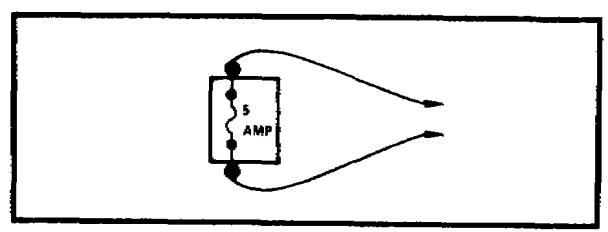
1. **Verify the Problem**
   Operate the problem circuit to check the accuracy of the complaint. Note the symptoms of the inoperative circuit.
2. **Analyze the Problem**
   Refer to the schematic of the problem circuit in the ETM. Determine how the circuit is supposed to work by tracing the current path(s) 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 possible 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

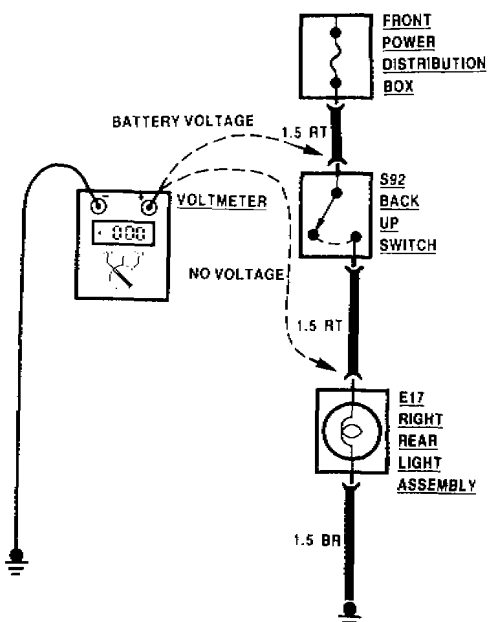
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TROUBLESHOOTING TESTS

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.

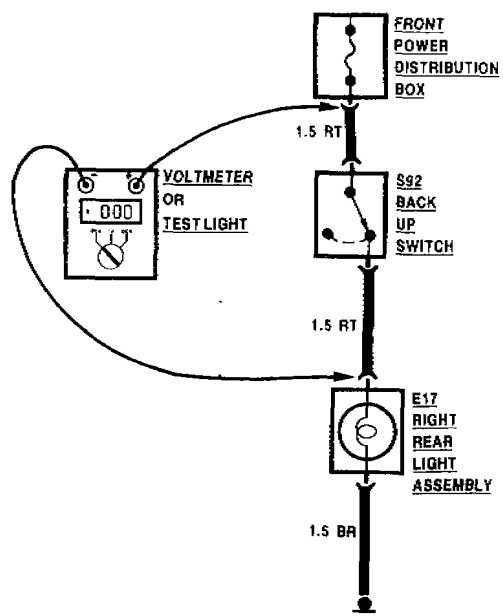


Voltage Test

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.

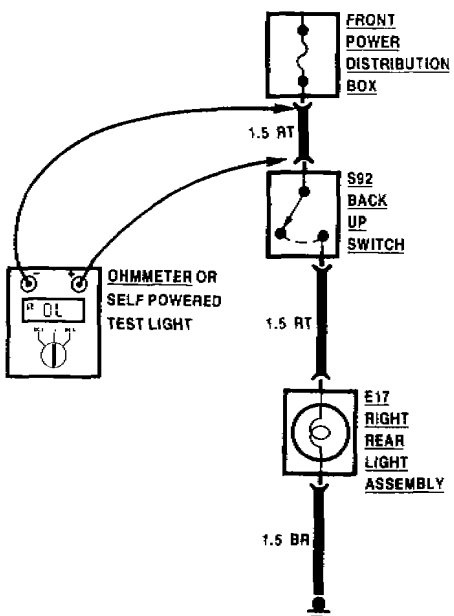


Voltage Drop Test

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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. This test can also be performed with a self-powered test light.

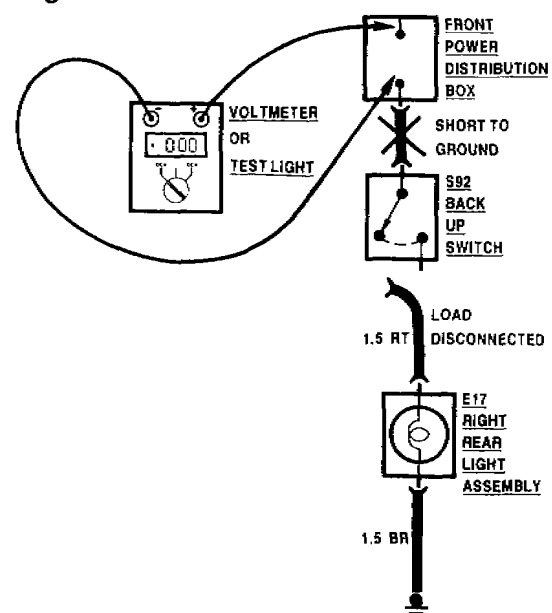


Continuity Test

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.

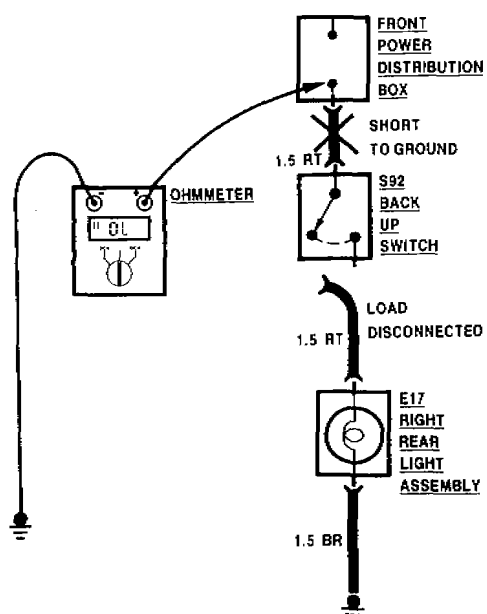


Short Test Using Voltmeter

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Short Test Using Ohmmeter

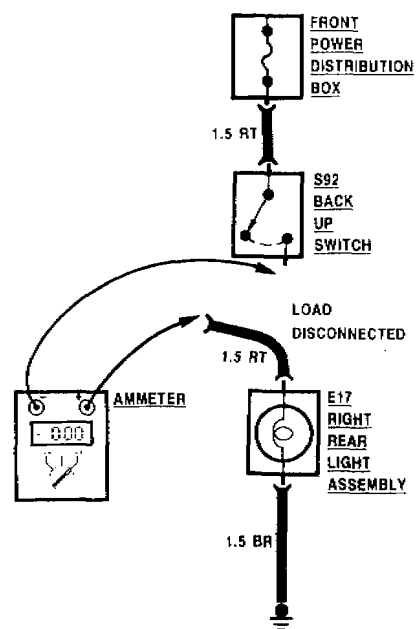
Disconnect the battery. While holding the leads together, adjust the ohmmeter to read zero. Remove the blown fuse and disconnect the load. Connect one lead of the ohmmeter to the fuse terminal that is closest to the load. Connect the other lead to a known good ground. Starting near the FRONT POWER DISTRIBUTION 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

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SYMBOLS



BATTERY



FUSE



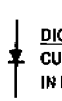
CIRCUIT BREAKER



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



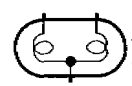
ZENER DIODE
TO REGULATE VOLTAGE



LIGHT EMITTING DIODE



LIGHT



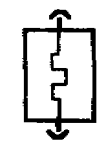
BIFILAMENT LIGHT



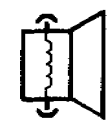
PERMANENT MAGNET MOTOR
ONE SPEED



PERMANENT MAGNET MOTOR
TWO SPEEDS



HEATING ELEMENT



LOUDSPEAKER OR HORN

COIL OR SOLENOID

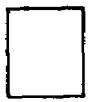
SOLENOID CONTROLLED VALVE OR CLUTCH SOLENOID



TRANSISTORIZED SWITCH

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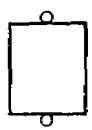
SYMBOLS



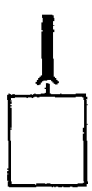
ENTIRE COMPONENT SHOWN



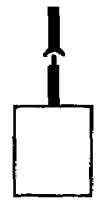
PART OF A COMPONENT SHOWN



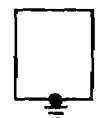
COMPONENT WITH SCREW TERMINALS



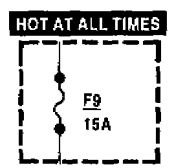
CONNECTOR ATTACHED TO COMPONENT



CONNECTOR ATTACHED TO COMPONENT LEAD (PIGTAIL)

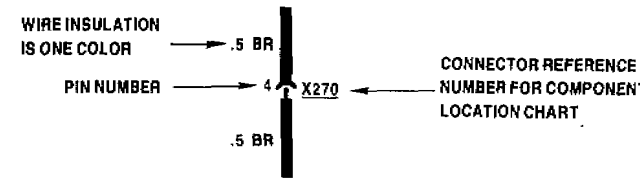


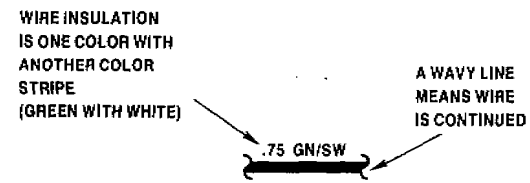
COMPONENT CASE DIRECTLY ATTACHED TO METAL PART OF CAR (GROUNDED)

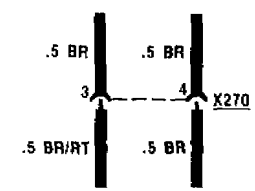


INDICATES THAT FUSE 9 IS SUPPLIED WITH POWER AT ALL TIMES

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

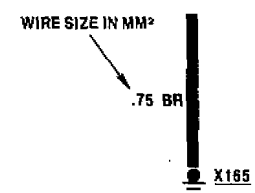






TWO CONNECTIONS (PINS) IN THE SAME CONNECTOR

DASHED LINE INDICATES TERMINALS OF THE SAME CONNECTOR

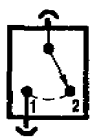


WIRE ATTACHED TO METAL PART OF CAR (GROUNDED)

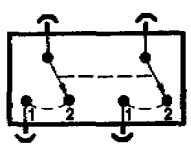
GROUND NUMBERED FOR REFERENCE ON COMPONENT LOCATION CHART

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SYMBOLS

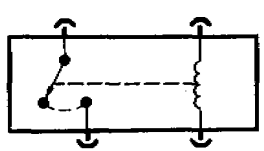


ONE POLE,
TWO POSITION
SWITCH



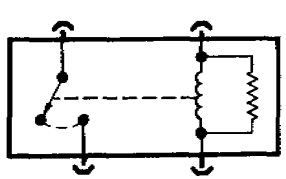
SWITCHES THAT
MOVE TOGETHER

DASHED LINE SHOWS
A MECHANICAL
CONNECTION
BETWEEN SWITCHES

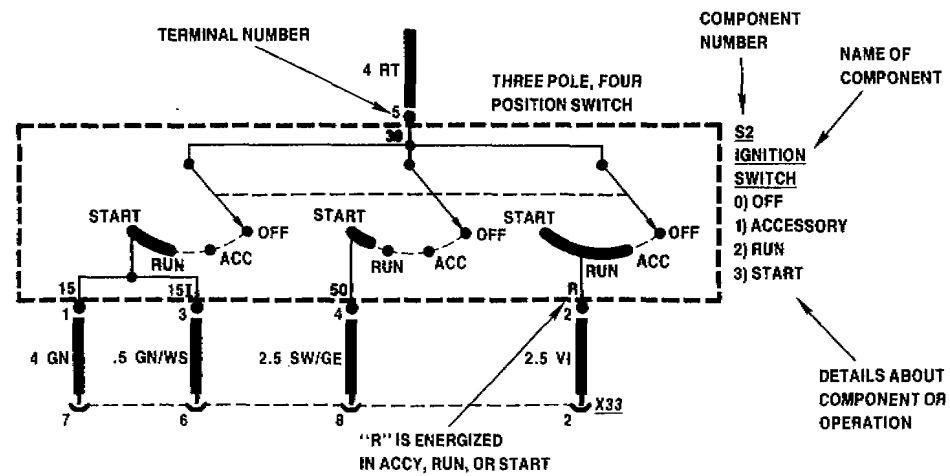


RELAY WITH NO CURRENT
FLOWING THROUGH COIL

WHEN COIL IS
ENERGIZED, SWITCH
IS PULLED CLOSED



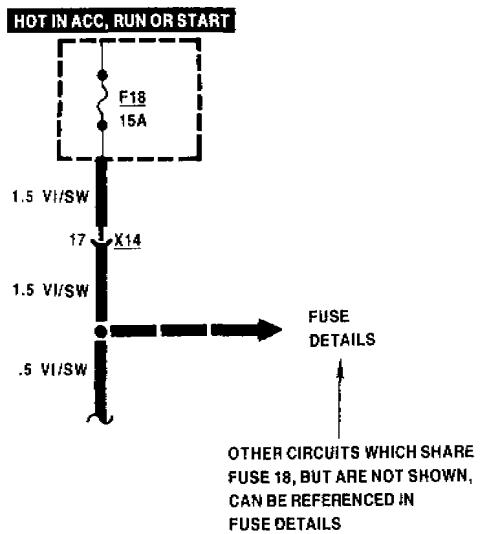
RELAY WITH
RESISTOR ACROSS
COIL

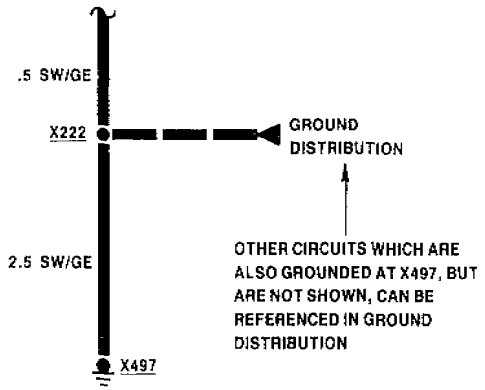


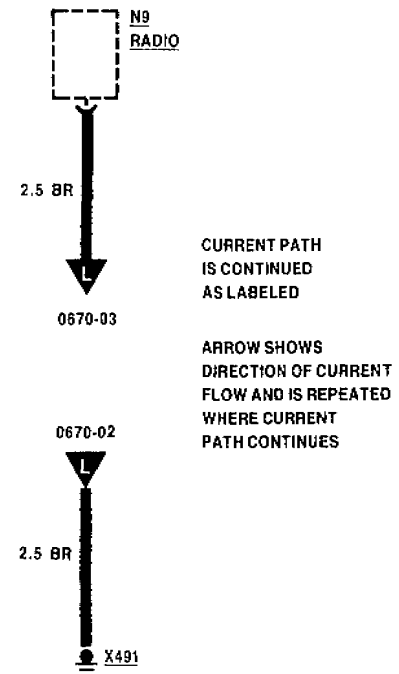
TERMINAL NUMBER	DESCRIPTION
50	VOLTAGE: IGNITION SWITCH IN START
30	VOLTAGE: SUPPLIED AT ALL TIMES
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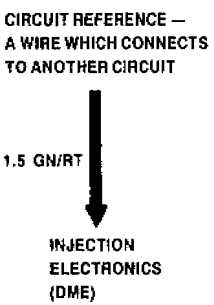
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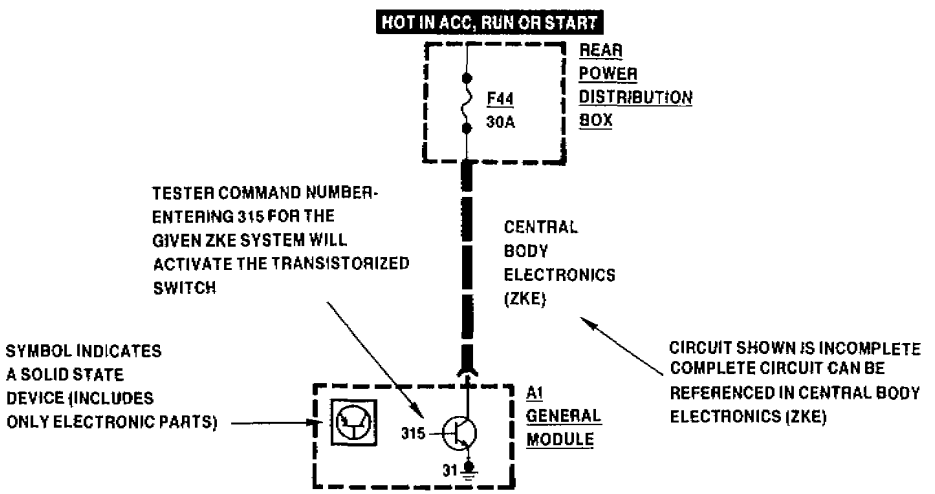
SYMBOLS







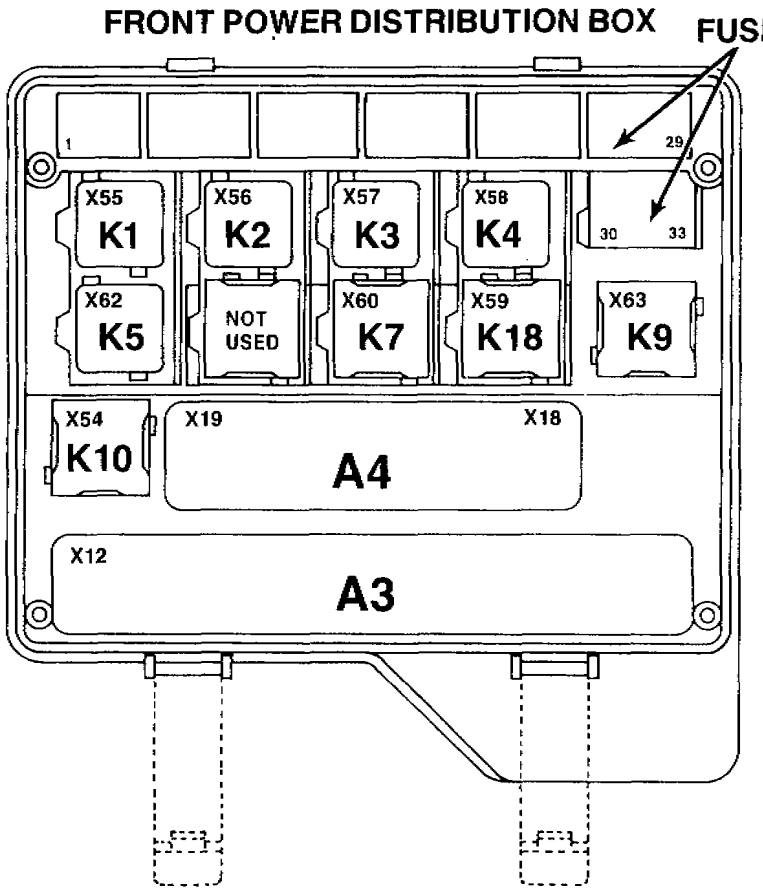




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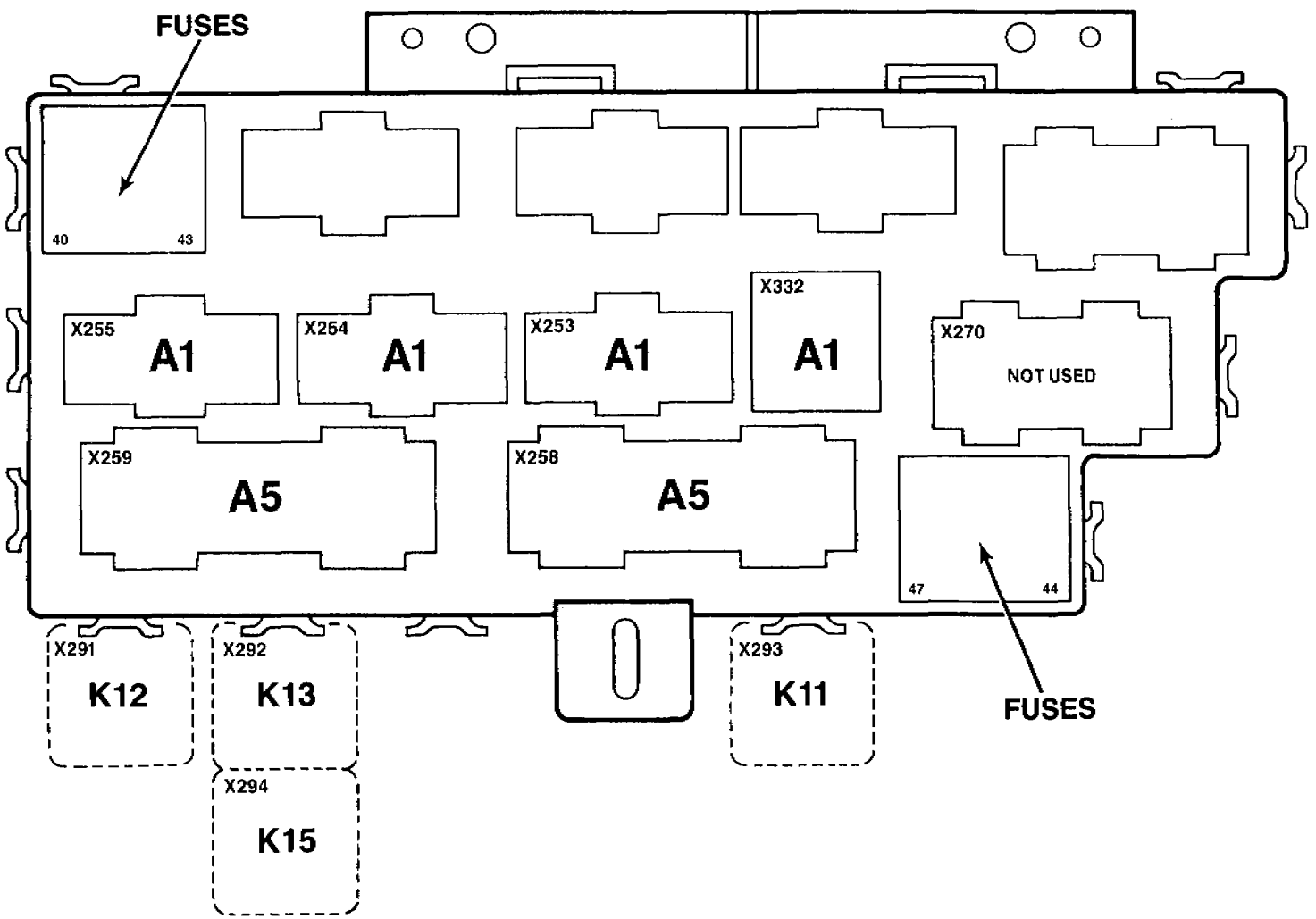
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FRONT POWER DISTRIBUTION BOX



COMPONENTS IN FRONT POWER DISTRIBUTION BOX		
NUMBER	**CONNECTOR**	**DESCRIPTION**
A3	X12	LAMP CONTROL MODULE
A4	X18, X19	CHECK CONTROL MODULE
K1	X55	STARTER RELAY
K2	X56	HORN RELAY
K3	X57	UNLOADER RELAY, KLR
K5	X62	INTENSIVE WASH PUMP RELAY
K7	X60	PARKING LIGHT MONITOR RELAY
K9	X63	UNLOADER RELAY, KL15
K10	X54	ABS RELAY
K18	X64	FRONT DEFOGGER/WATER PUMP RELAY
K4	X58	BLOWER RELAY

REAR POWER DISTRIBUTION BOX



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COMPONENTS IN REAR POWER DISTRIBUTION BOX		
NUMBER	**CONNECTOR**	**DESCRIPTION**
A1	X253, X254, X255 AND 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

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FUSE CHARTS

Fuse No.	Size/ Color	Circuit Protected
1	7.5A(BR)	Brake Lining Warning (Also Fuses 17 and 20) Instrument Cluster/Check Control (Also Fuses 12, 17, 20 and 21) On-Board Computer (Also Fuses 17 and 20) Windshield Washer (ZKE) Windshield Wiper (ZKE)
2	7.5A(BR)	Headlights/Fog Lights (Also Fuses 3, 5, 7, 10, 11, 13 and 14) Lamp Monitor (Also Fuses 3, 4, 5, 7 and 15)
3	7.5A(BR)	Headlights/Fog Lights (Also Fuses 2, 5, 7, 10, 11, 13 and 14) Lamp Monitor (Also Fuses 2, 4, 5, 7 and 15) Turn/Hazard Lights (Also Fuse 6)
4	7.5A(BR)	Lamp Monitor (Also Fuses 2, 3, 5, 7 and 15) Park/Tail/Marker/Underhood Lights (Also Fuses 5, 15 and 20)
5	10A(RT)	Glove Box Light/Cigar Lighter/Ashtray Light/Charging Plug (Also Fuses 21 and 26) Headlights/Fog Lights (Also Fuses 2, 3, 7, 10, 11, 13 and 14) Lamp Monitor (Also Fuses 2, 3, 4, 7 and 15) License/Trunk Lights (Also Fuse 21) Park/Tail/Marker/Underhood Lights (Also Fuses 4, 15 and 20)
6	7.5A(BR)	Turn/Hazard Lights (Also Fuse 3)
7	15A(LT BL)	Headlights/Fog Lights (Also Fuses 2, 3, 5, 10, 11, 13 and 14) Lamp Monitor (Also Fuses 2, 3, 4, 5 and 15)
8	7.5A(BR)	(Not Used)
9	15A(LT BL)	Automatic Climate Control (IHKA) (Also Fuses 19, 20, 21, 29 and 33) Horn
10	7.5A(BR)	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 11, 13 and 14)
11	7.5A(BR)	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 13 and 14)

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Fuse No.	Size/ Color	Circuit Protected
12	15A(LT BL)	Back Up Lights Instrument Cluster/Check Control (Also Fuses 1, 17, 20, and 21) Memory Mirrors (Also Fuses 16, 17, 18, 30, 42, and 44) Windshield Washer Jet Heaters
13	7.5A(BR)	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 11 and 14)
14	7.5A(BR)	Headlights/Fog Lights (Also Fuses 2, 3, 5, 7, 10, 11 and 13)
15	7.5A(BR)	Antilock Brake System (ABS) (Also Fuses 17 and 29) Brake Lights Cruise Control (Tempomat) (Also Fuse 17) Lamp Monitor (Also Fuses 2, 3, 4, 5, 7 and 8) Park/Tail/Marker/Underhood Lights (Also Fuses 4, 5 and 20)
16	30A(LT GN)	Memory Mirrors (Also Fuses 12, 17, 18, 30, 42 and 44) Memory Seat (Also Fuses 17, 18, 30, 42 and 44)

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Fuse No.	Size/ Color	Circuit Protected
17	7.5A(BR)	Antilock Brake System (ABS) (Also Fuses 15 and 29) Antitheft System (DWA) (Also Fuses 18, 20 and 31) Brake Lining Warning (Also Fuses 1 and 20) Central Body Electronics (ZKE) (Also Fuses 30, 44 and 47) Cruise Control (Tempomat) (Also Fuse 15) Door Lock Heating (ZKE) (Also Fuse 30) Electronic Transmission Control (AEGS) Injection Electronics (DME) (Also Fuse 23) Instrument Cluster/Check Control (Also Fuses 1, 12, 20 and 21) Interior Lights (ZKE) (Also Fuses 21, 30 and 44) On-Board Computer (Also Fuses 1 and 20) Memory Mirrors (Also Fuses 12, 16, 18, 30 42 and 44) Memory Seat (Also Fuses 16, 18, 30, 42 and 44) Power Windows (ZKE) (Also Fuses 20, 30, 31 and 44) Start Sunroof (ZKE) (Also Fuses 20, 30, 31 and 44)
18	15A(LT BL)	Antitheft System (DWA) (Also Fuses 17, 20 and 31) Memory Mirrors (Also Fuses 12, 16, 17, 30, 42 and 44) Memory Seat (Also Fuses 16, 17, 30, 42 and 44) Radio (Also Fuses 21 and 41)
19	30A (LT GN)	Automatic Climate Control (IHKA) (Also Fuses 9, 20, 21, 29 and 33)

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FUSE CHARTS

Fuse No.	Size/ Color	Circuit Protected
20	7.5A(BR)	Antitheft System (DWA) (Also Fuses 17, 18 and 31) Automatic Climate Control (IHKA) (Also Fuses 9, 19, 21, 29 and 33) Brake Lining Warning (Also Fuses 1 and 17) Central Locking System (ZKE) (Also Fuses 30 and 31) Instrument Cluster/Check Control (Also Fuses 1, 12, 17 and 21) On-Board Computer (Also Fuses 1 and 17) Park/Tail/Marker/Underhood Lights (Also Fuses 4, 5 and 15) Power Windows (ZKE) (Also Fuses 17, 30, 31 and 44) Sunroof (ZKE) (Also Fuses 17, 30, 31 and 44)
21	7.5A(LT BL)	Automatic Climate Control (IHKA) (Also Fuses 9, 19, 20, 29 and 33) Glove Box Light/Cigar Lighter/Ashtray Light/Charging Plug (Also Fuses 5 and 26) Instrument Cluster/Checker Control (Also Fuses 1, 12, 17 and 20) Interior Lights (ZKE) (Also Fuses 17, 30 and 44) License/Trunk Lights (Also Fuse 5) Radio (Also Fuses 18 and 41)
22	30A(LT GN)	Windshield Wiper Pressure Control (ZKE) (Also Fuse 44)
23	7.5A(BR)	Injection Electronics (DME) (Also Fuse 17)
24	7.5A(BR)	(Not Used)
25	30A(LT GN)	Auxiliary Fan (Also Fuse 29)
26	30A(LT GN)	Glove Box Light/Cigar Lighter/Ashtray Light/Charging Plug (Also Fuses 5 and 21)
27	30A(LT GN)	(Not Used)
28	15A(LT BL)	Power Assist Steering (Servotronic)
29	7.5A(BR)	Antilock Brake System (ABS) (Also Fuses 15 and 17) Automatic Climate Control (IHKA) (Also Fuses 9, 19, 20, 21 and 33) Auxiliary Fan (Also Fuse 25) Rear Window Defogger (Also Fuses 33 and 46)

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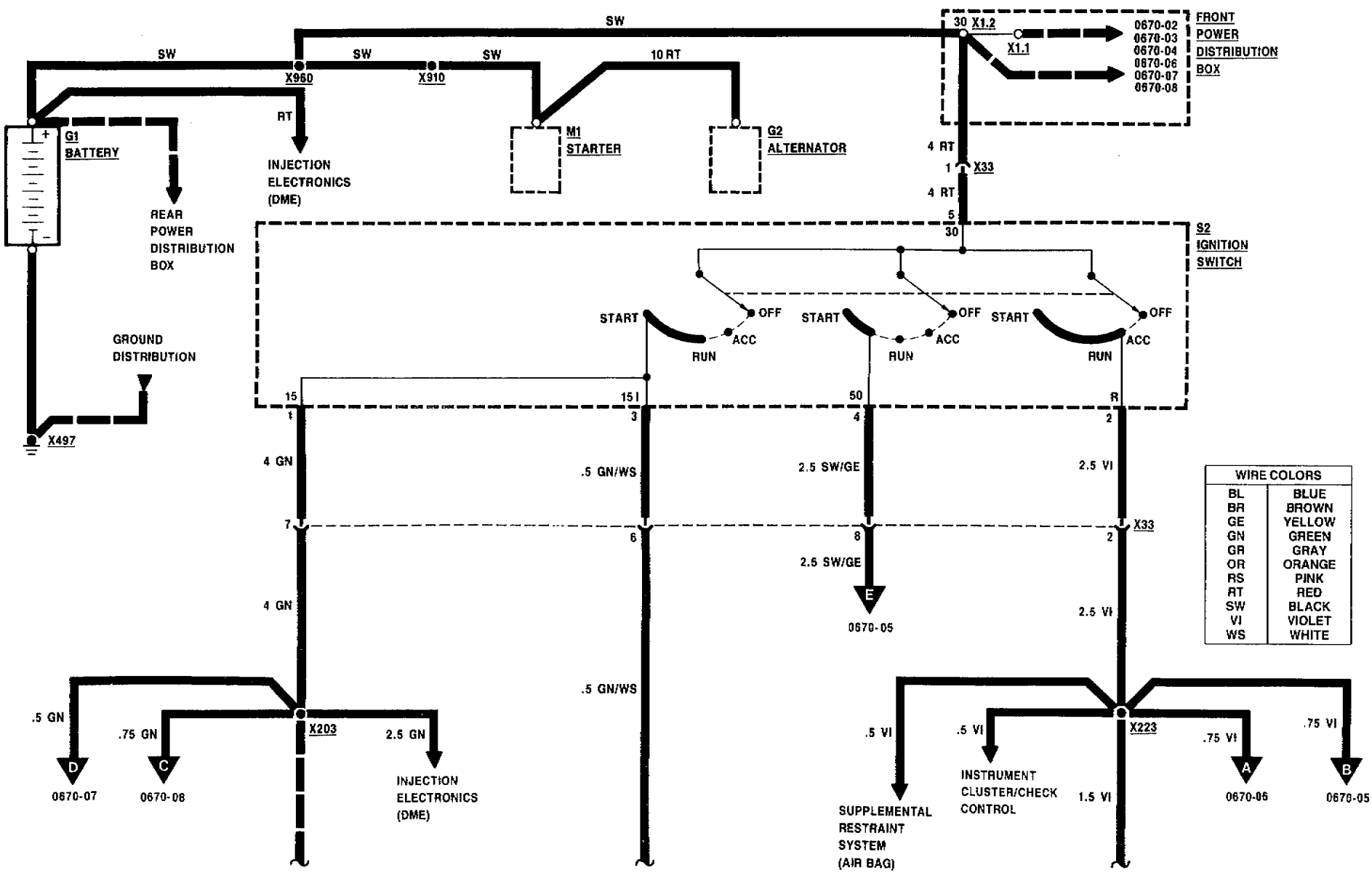
Fuse No.	Size/ Color	Circuit Protected
30	7.5A(BR)	Central Body Electronics (ZKE) (Also Fuses 17, 44 and 47) Central Locking System (ZKE) (Also Fuses 20 and 31) Door Lock Heating (ZKE) (Also Fuse 17) Interior Lights (ZKE) (Also Fuses 17, 21 and 44) Memory Mirrors (Also Fuses 12, 16, 17, 18, 42 and 44) Memory Seat (Also Fuses 16, 17, 18, 42 and 44) Power Windows (ZKE) (Also Fuses 17, 20, 31 and 44) Sunroof (ZKE) (Also Fuses 17, 20, 31 and 44)
31	7.5A(BR)	Antitheft System (DWA) (Also Fuses 17, 18 and 20) Central Locking System (ZKE) (Also Fuses 20 and 30) Power Windows (ZKE) (Also Fuses 17, 20, 30 and 44)
32	15A(LT BL)	(Not Used)
33	7.5A(BR)	Automatic Climate Control (IHKA) (Also Fuses 9, 19, 20, 21 and 29) Rear Window Defogger (Also Fuses 29 and 46)
40	30A(LT GN)	(Not Used)
41	30A(LT GN)	Radio (Also Fuses 18 and 21)
42	30A(LT GN)	Memory Mirrors (Also Fuses 12, 16, 17, 18, 30 and 44) Memory Seat (Also Fuses 16, 17, 18, 30 and 44)
43	30A(LT GRN)	Power Seats
44	30A(LT GN)	Central Body Electronics (ZKE) (Also Fuses 17, 30 and 47) Interior Lights (ZKE) (Also Fuses 17, 21 and 30) Memory Mirrors (Also Fuses 12, 16, 17, 18, 30 and 42) Memory Seat (Also Fuses 16, 17, 18, 30 and 42) Power Windows (ZKE) (Also Fuses 17, 20, 30 and 31) Sunroof (ZKE) (Also Fuses 17, 20, 30 and 31) Windshield Wiper Pressure Control (ZKE) (Also Fuse 22)

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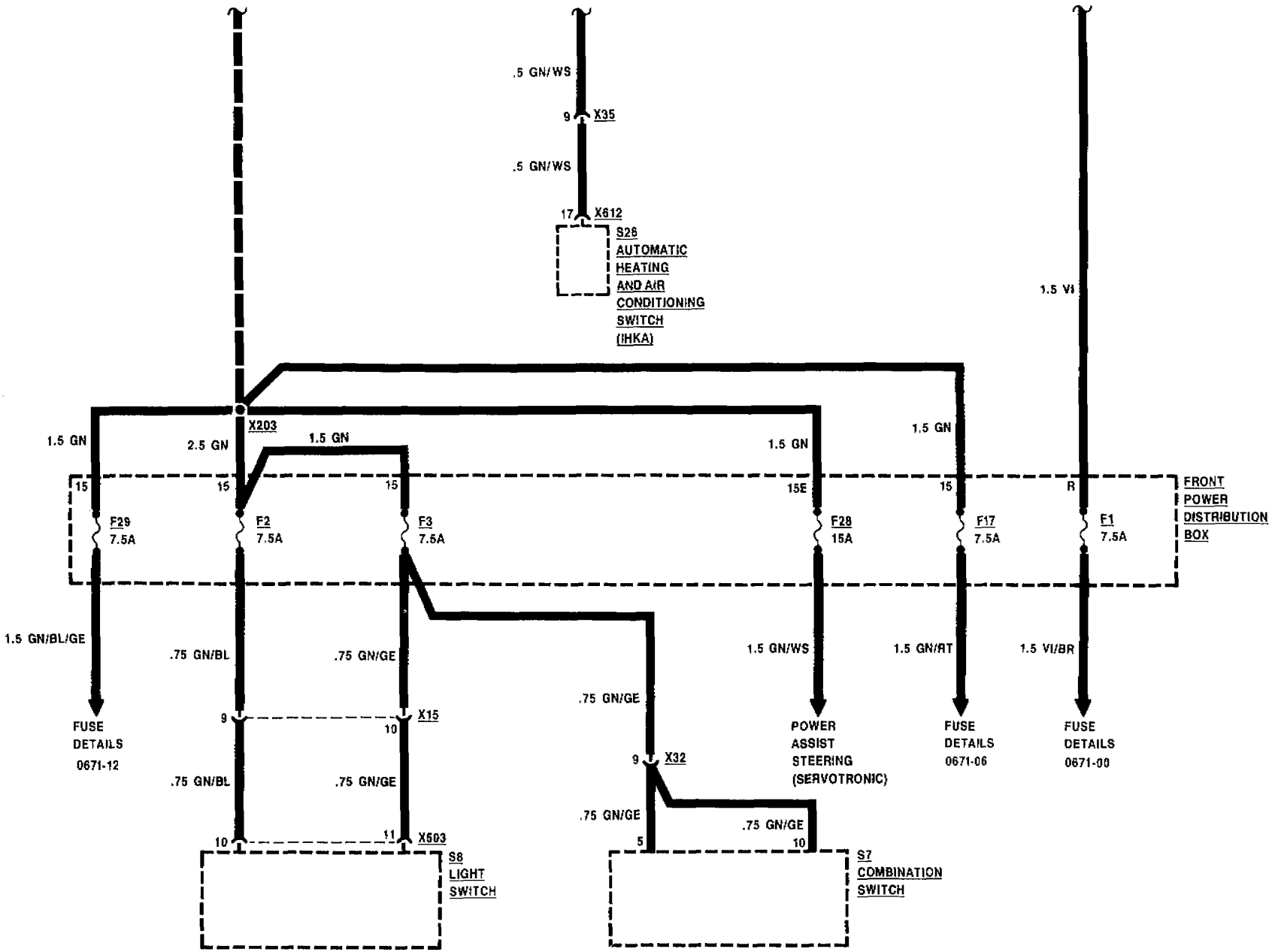
Fuse No.	Size/ Color	Circuit Protected
45	30A(LT GN)	(Not Used)
46	30A(LT GN)	Rear Window Defogger (Also Fuses 29 and 33)
47	30A(LT GN)	Central Body Electronics (ZKE) (Also Fuses 17, 30 and 44)
51	15A(LT BL)	(Not Used)
52	7.5A(BR)	(Not Used)
53	10A(RT)	(Not Used)

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POWER DISTRIBUTION
FRONT POWER DISTRIBUTION BOX



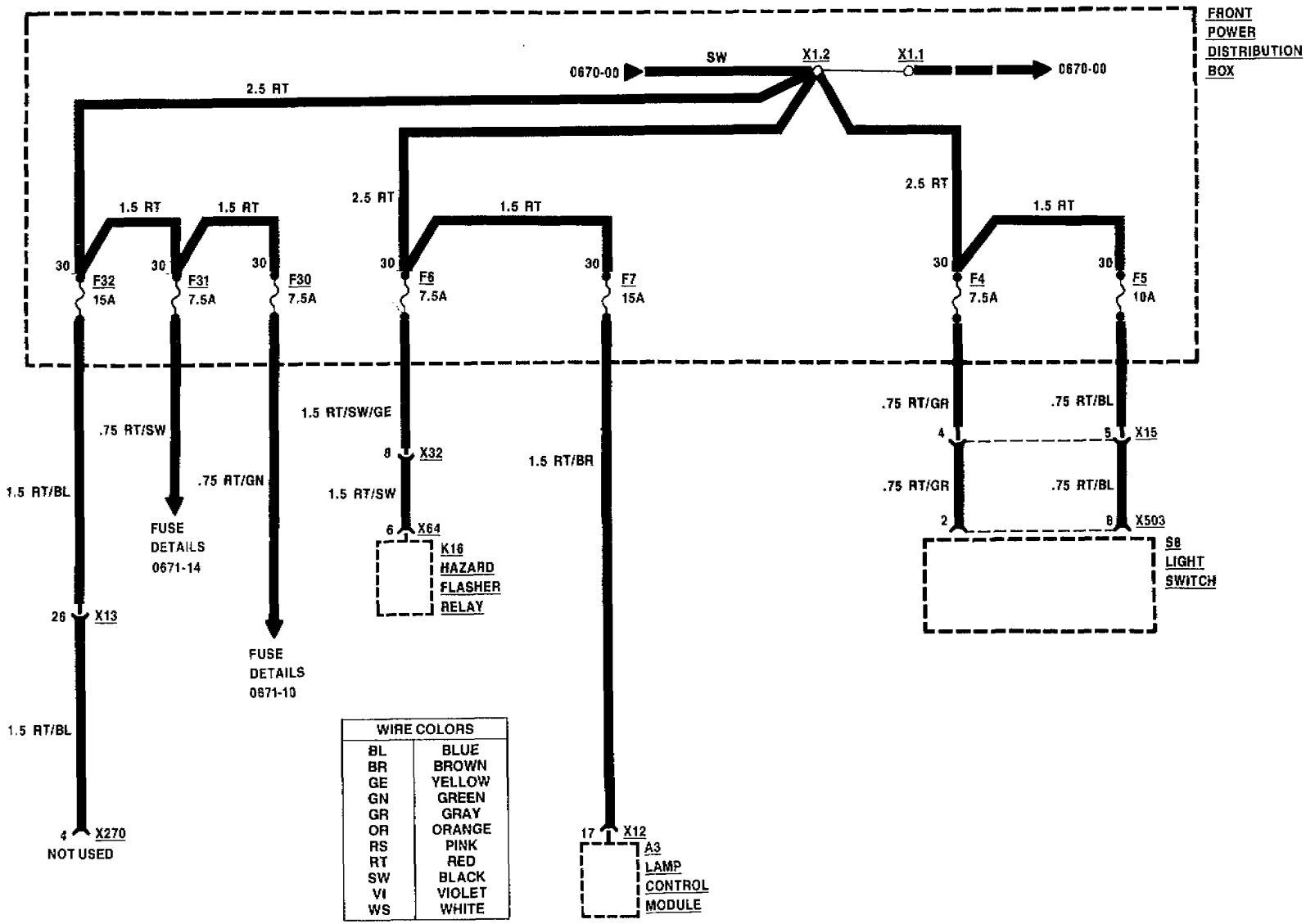
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POWER DISTRIBUTION

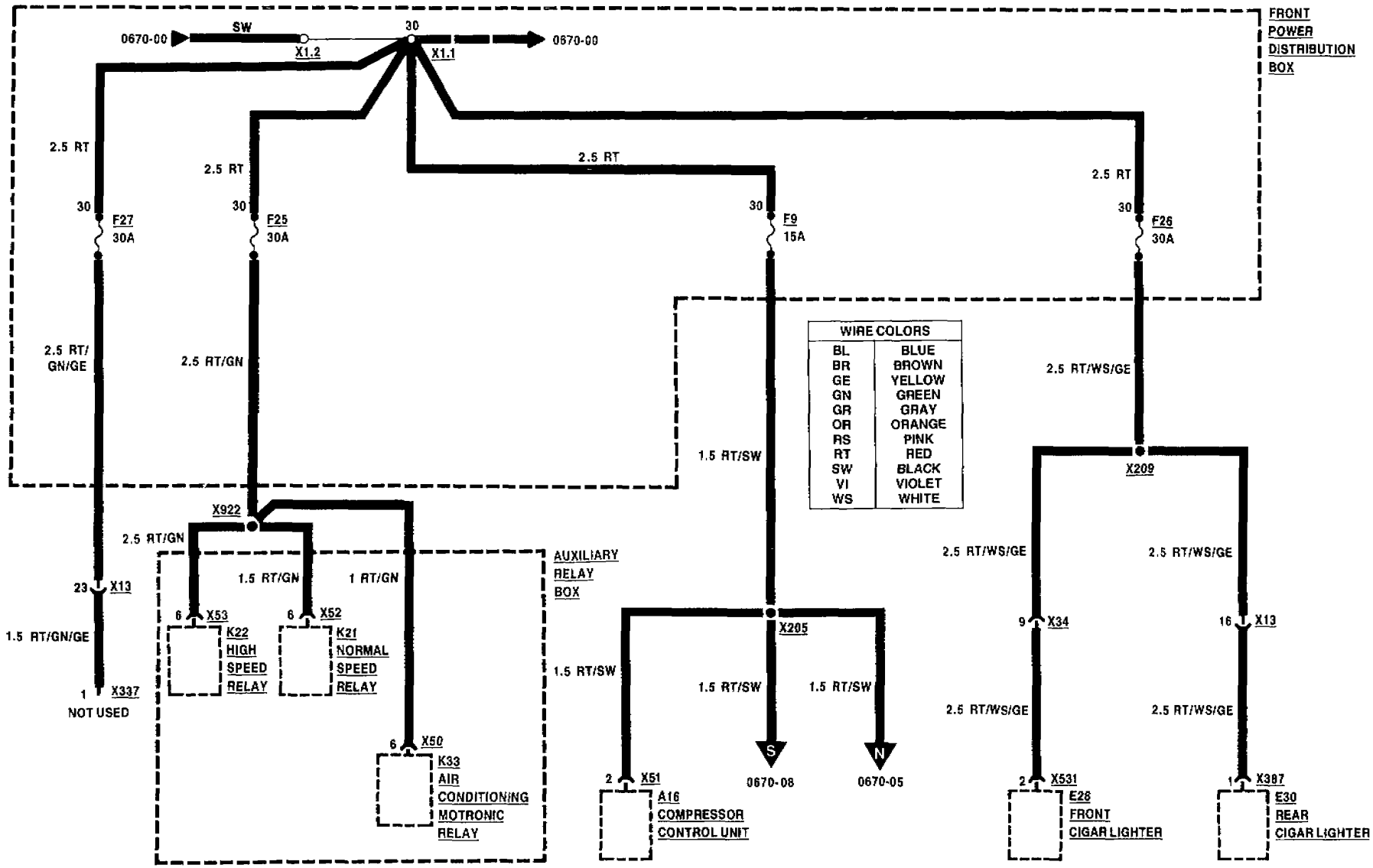
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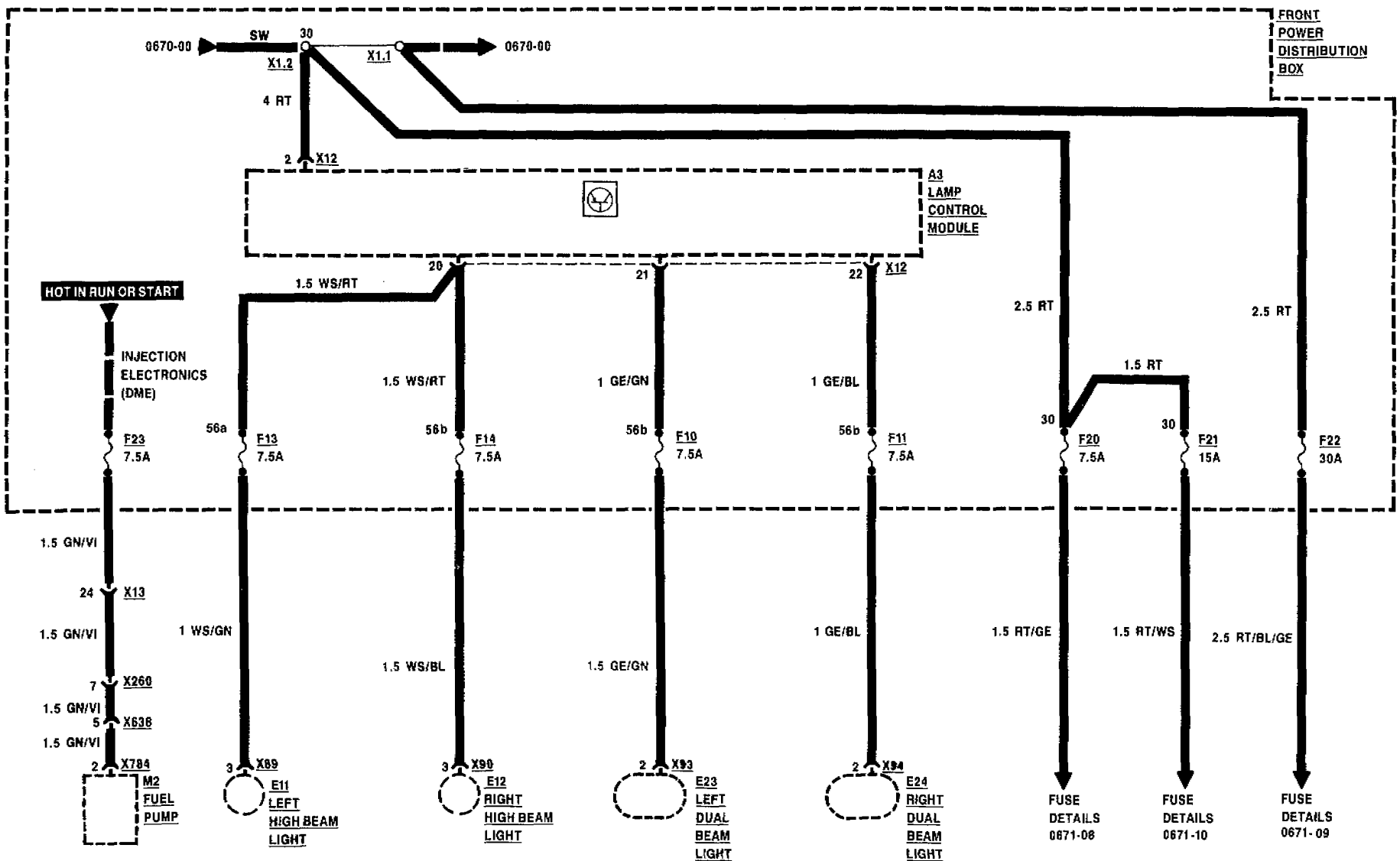
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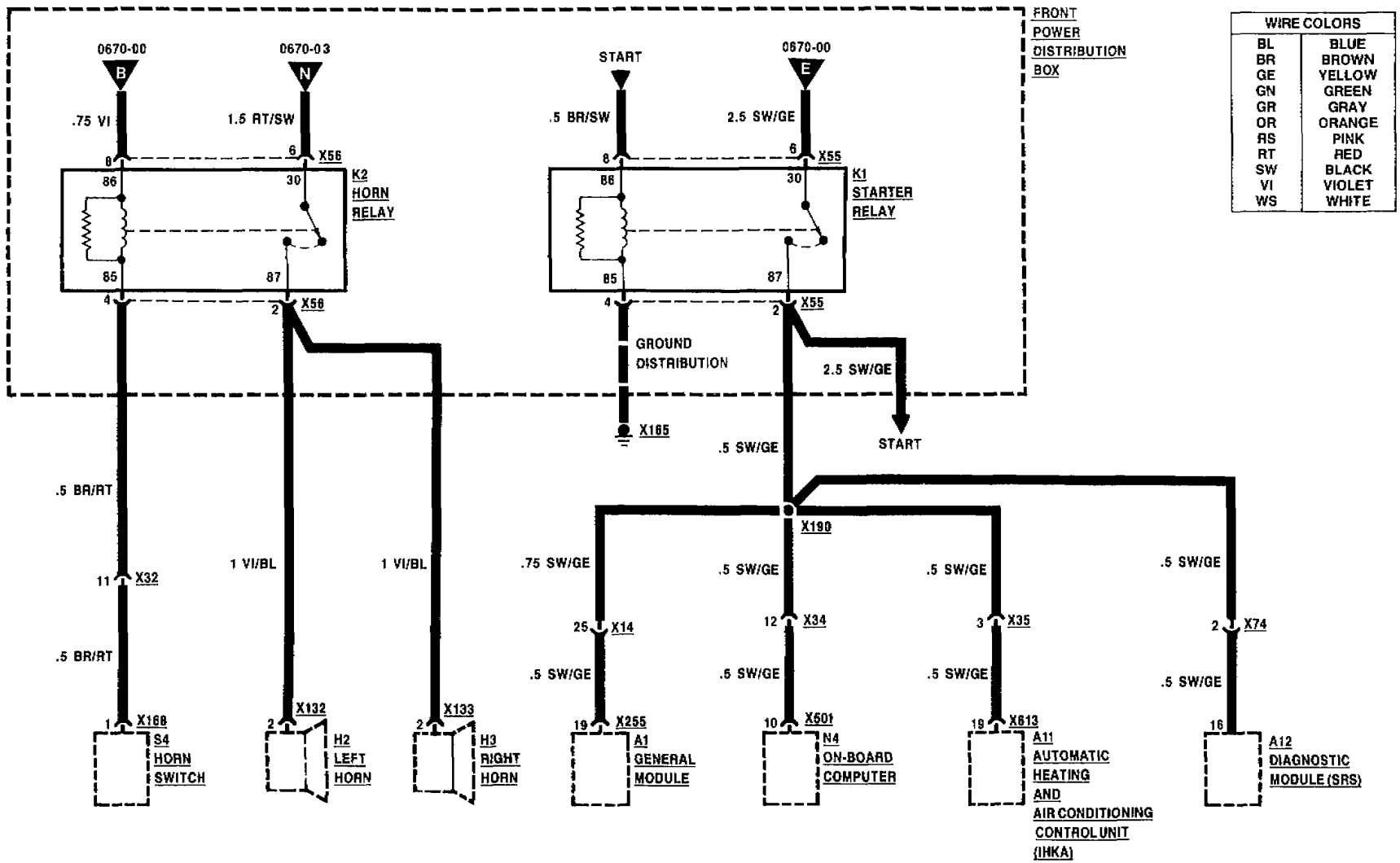
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POWER DISTRIBUTION
FRONT POWER DISTRIBUTION BOX



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POWER DISTRIBUTION
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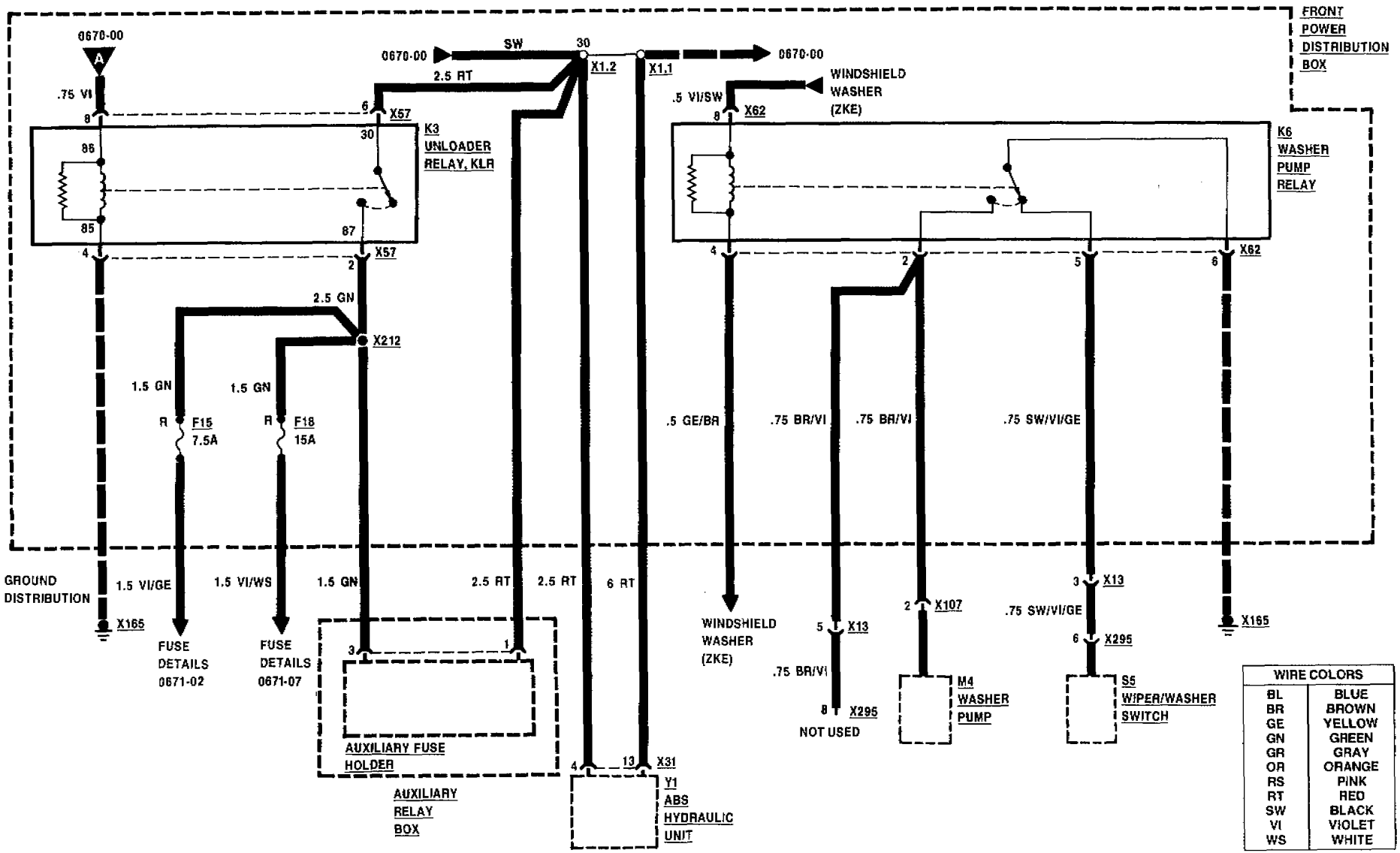


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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POWER DISTRIBUTION

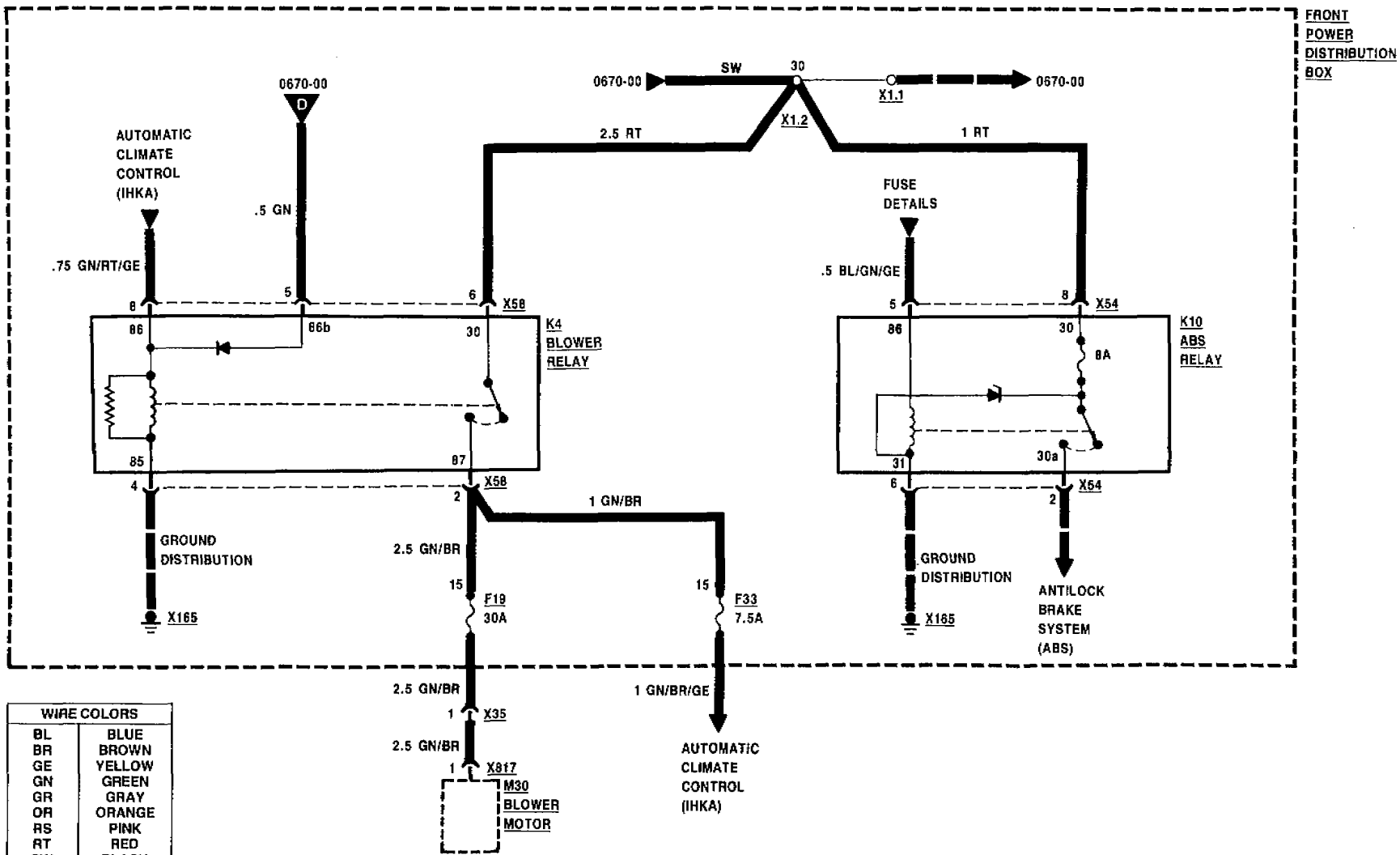
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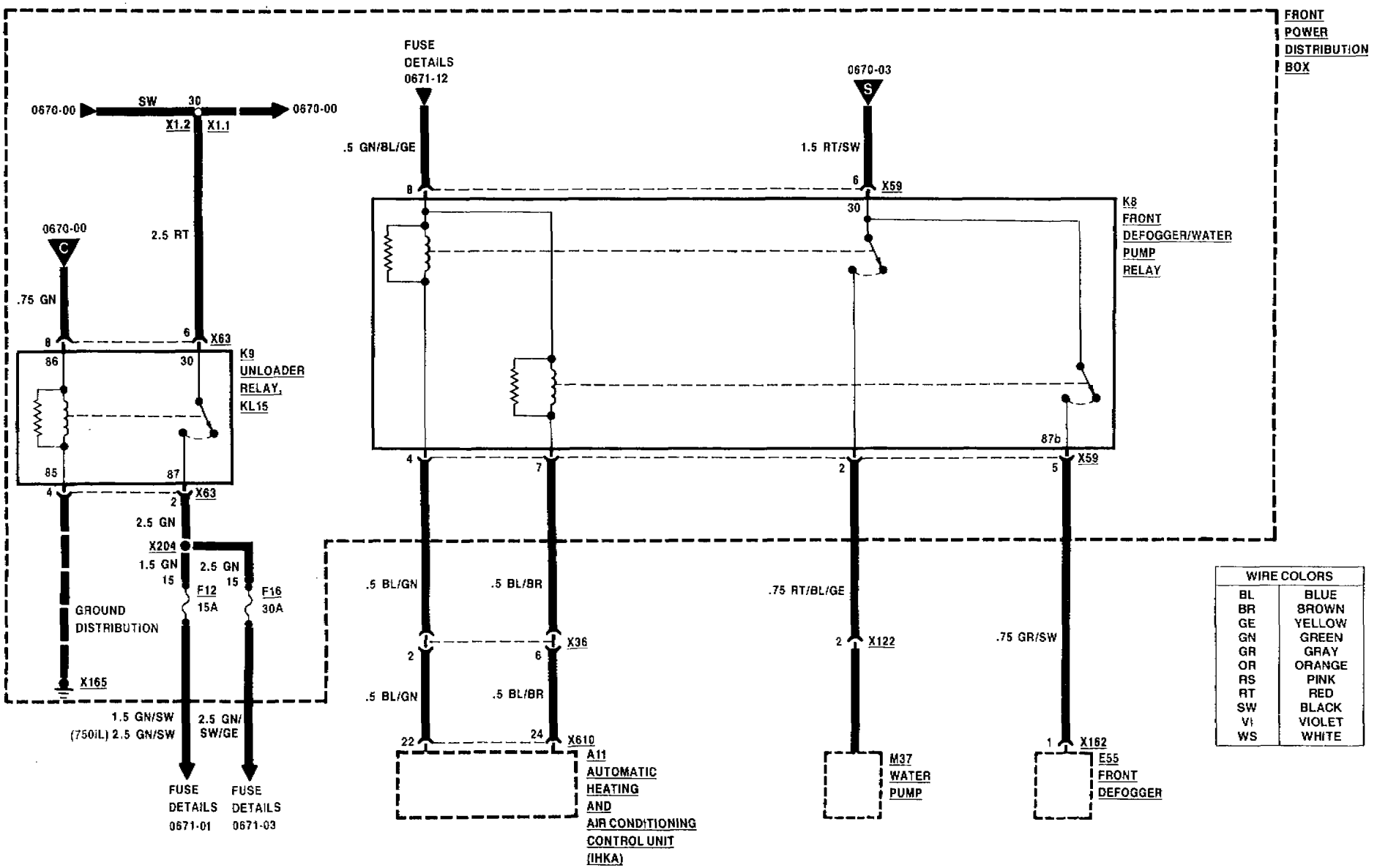


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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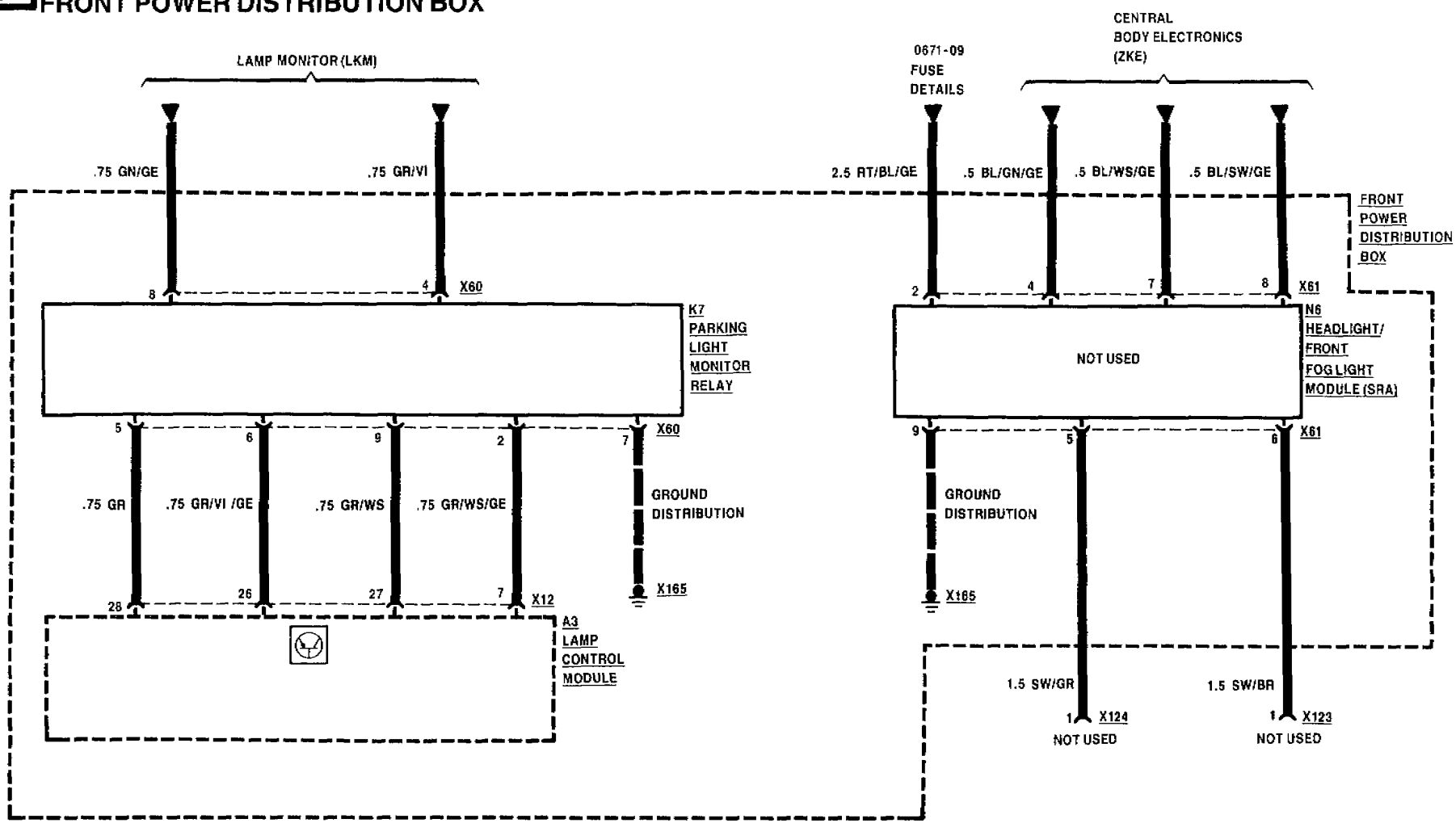
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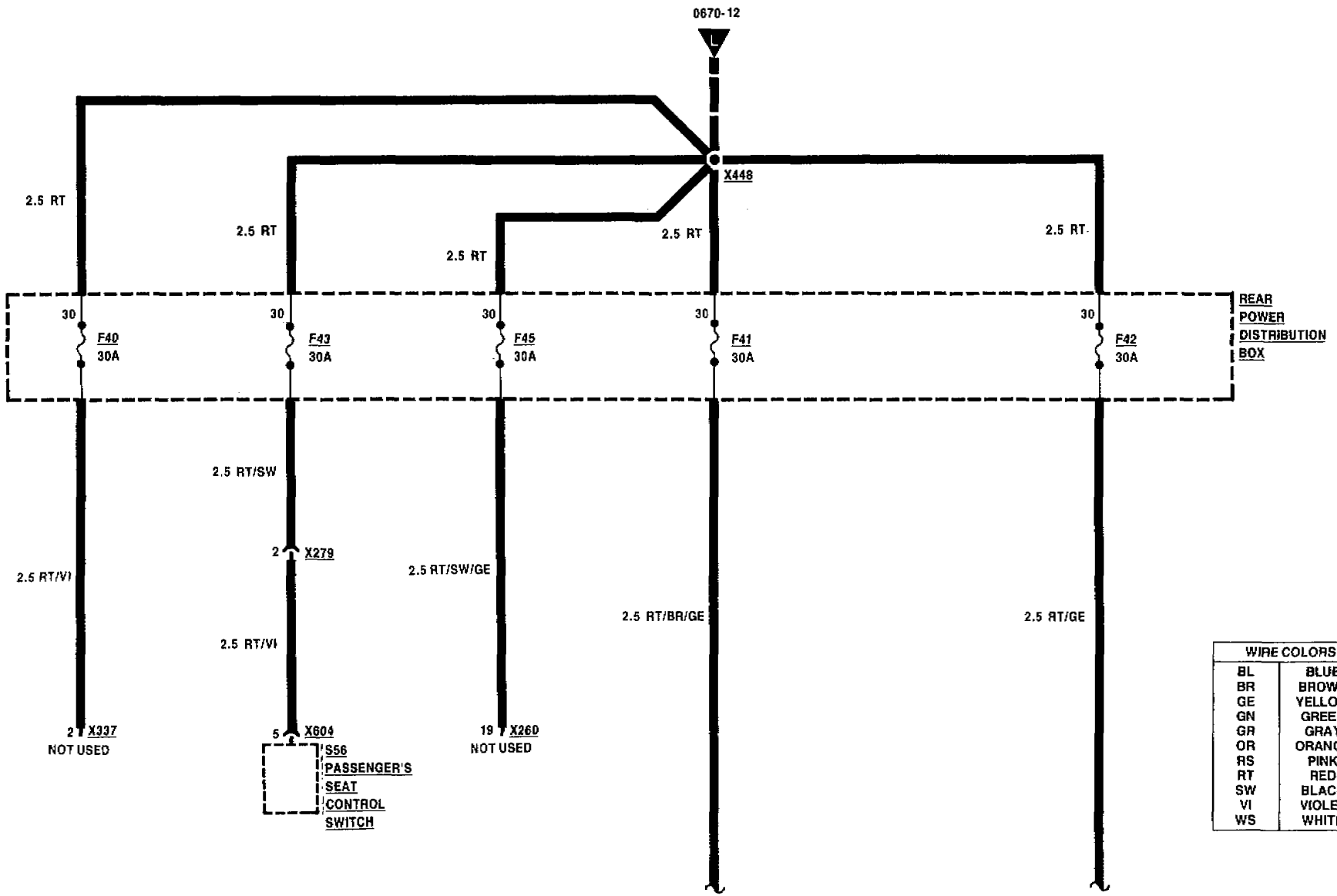
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POWER DISTRIBUTION
REAR POWER DISTRIBUTION BOX

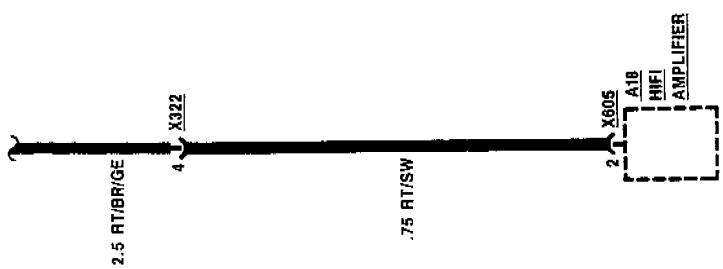


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

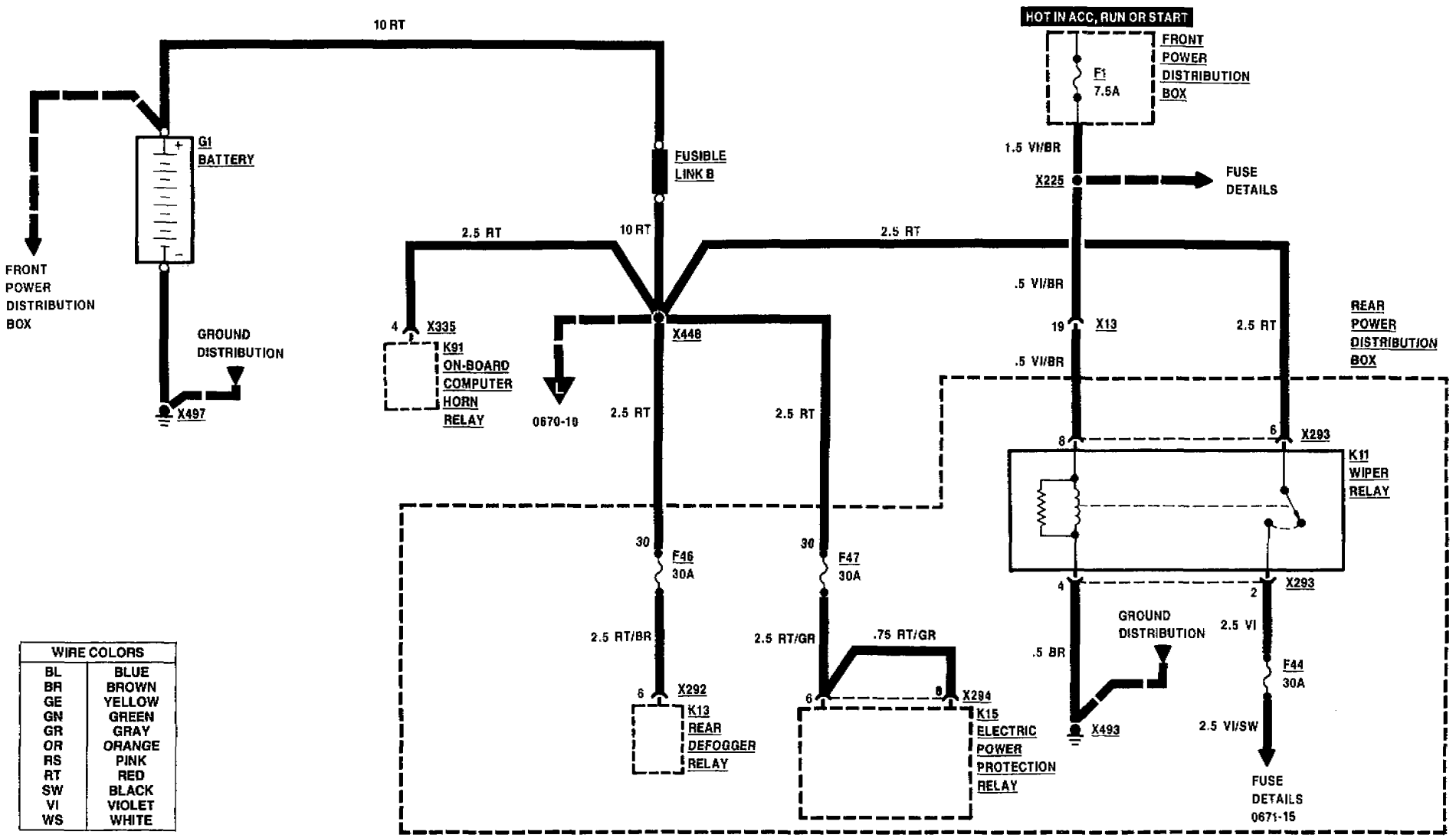
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REAR POWER DISTRIBUTION BOX

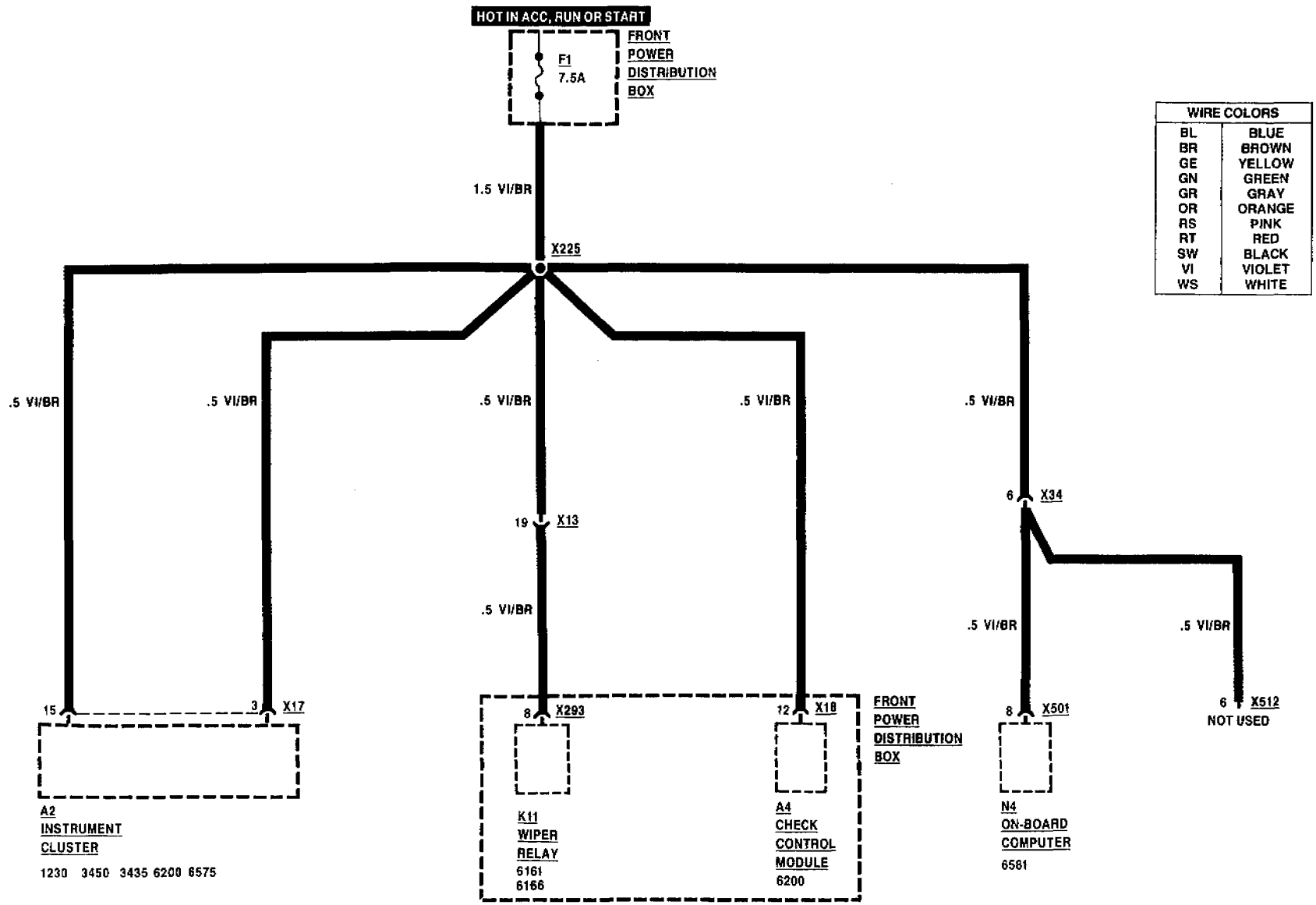


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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FUSE DETAILS

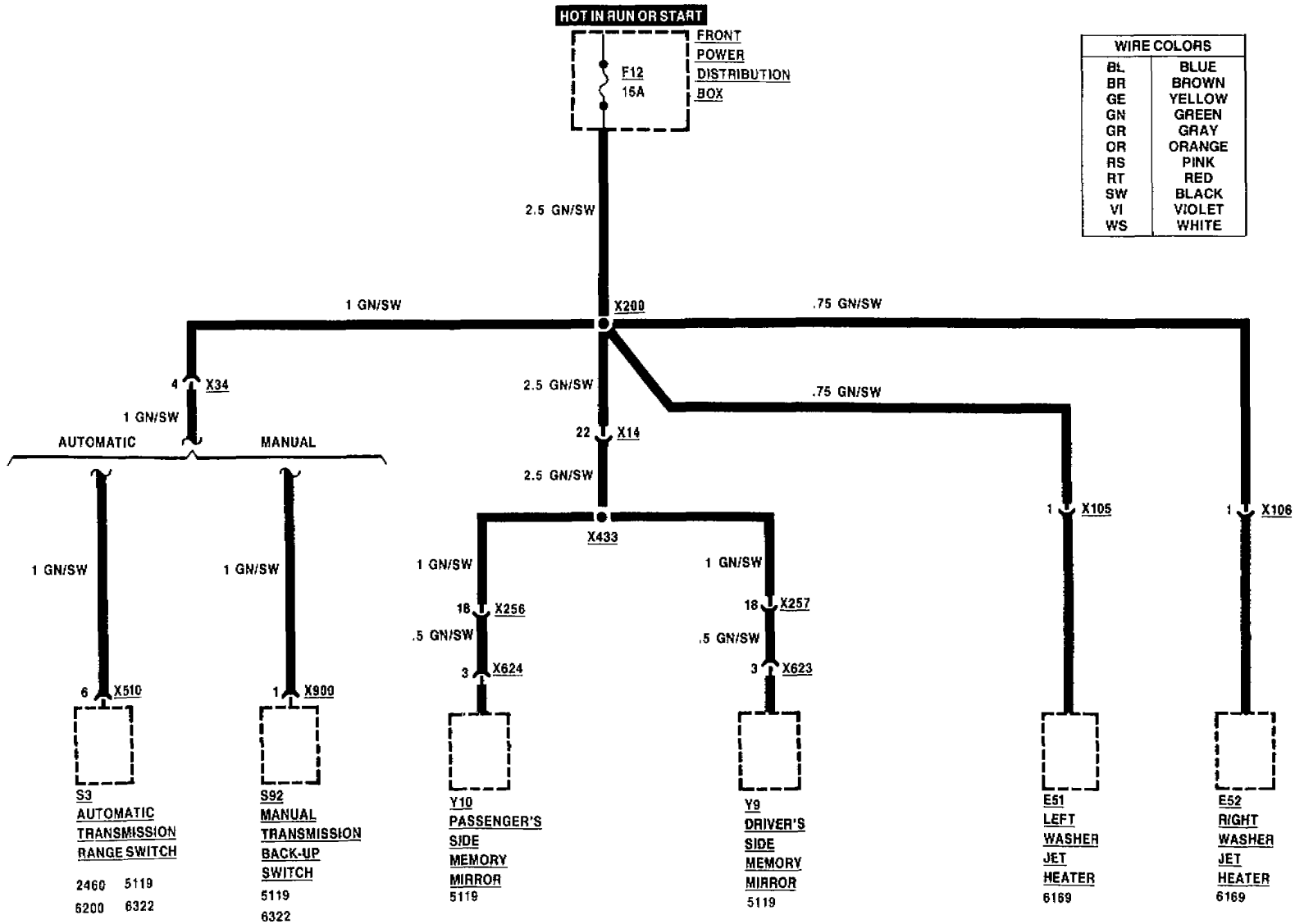
FUSE 1



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FUSE DETAILS

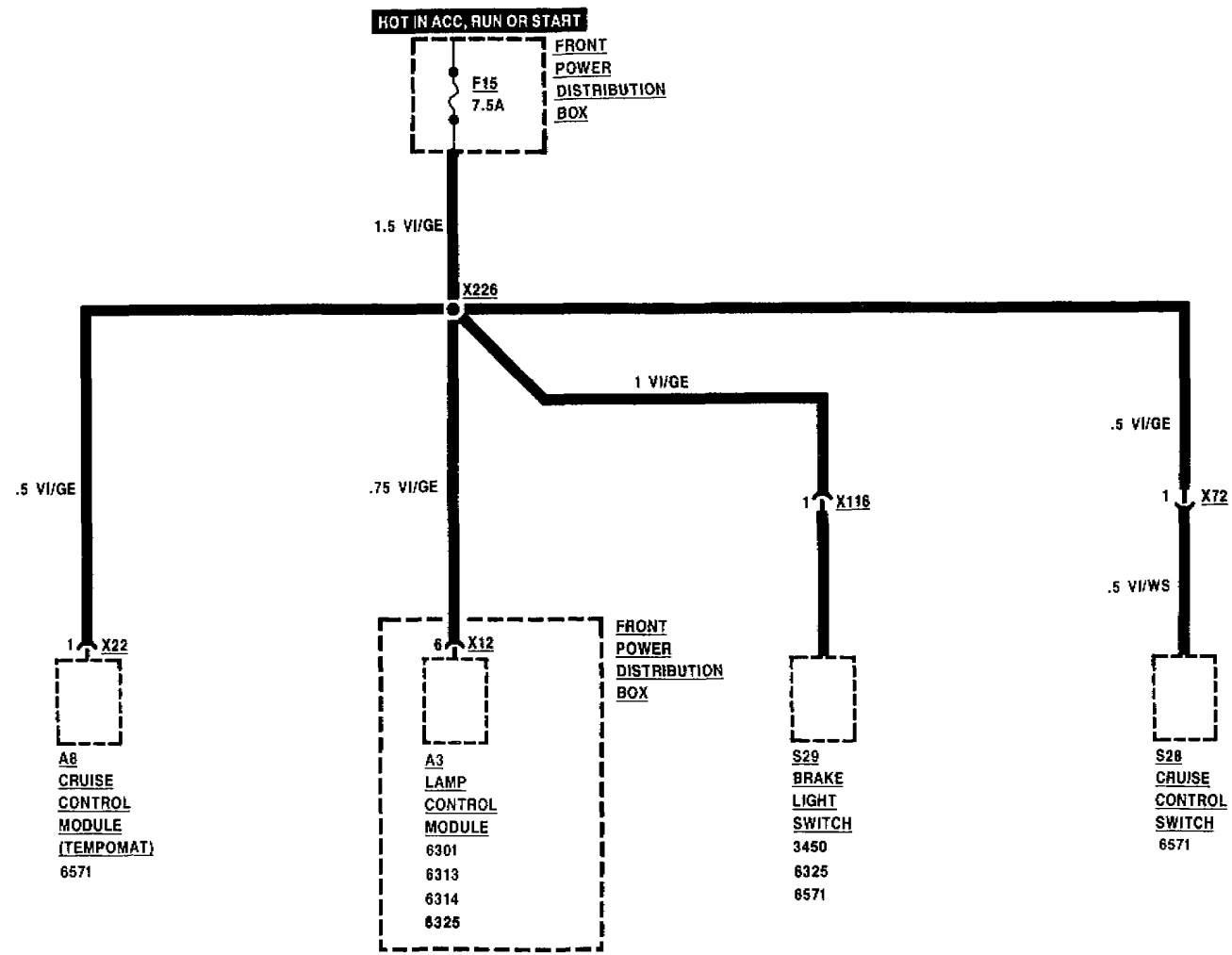
FUSE 12



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FUSE DETAILS

FUSE 15



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

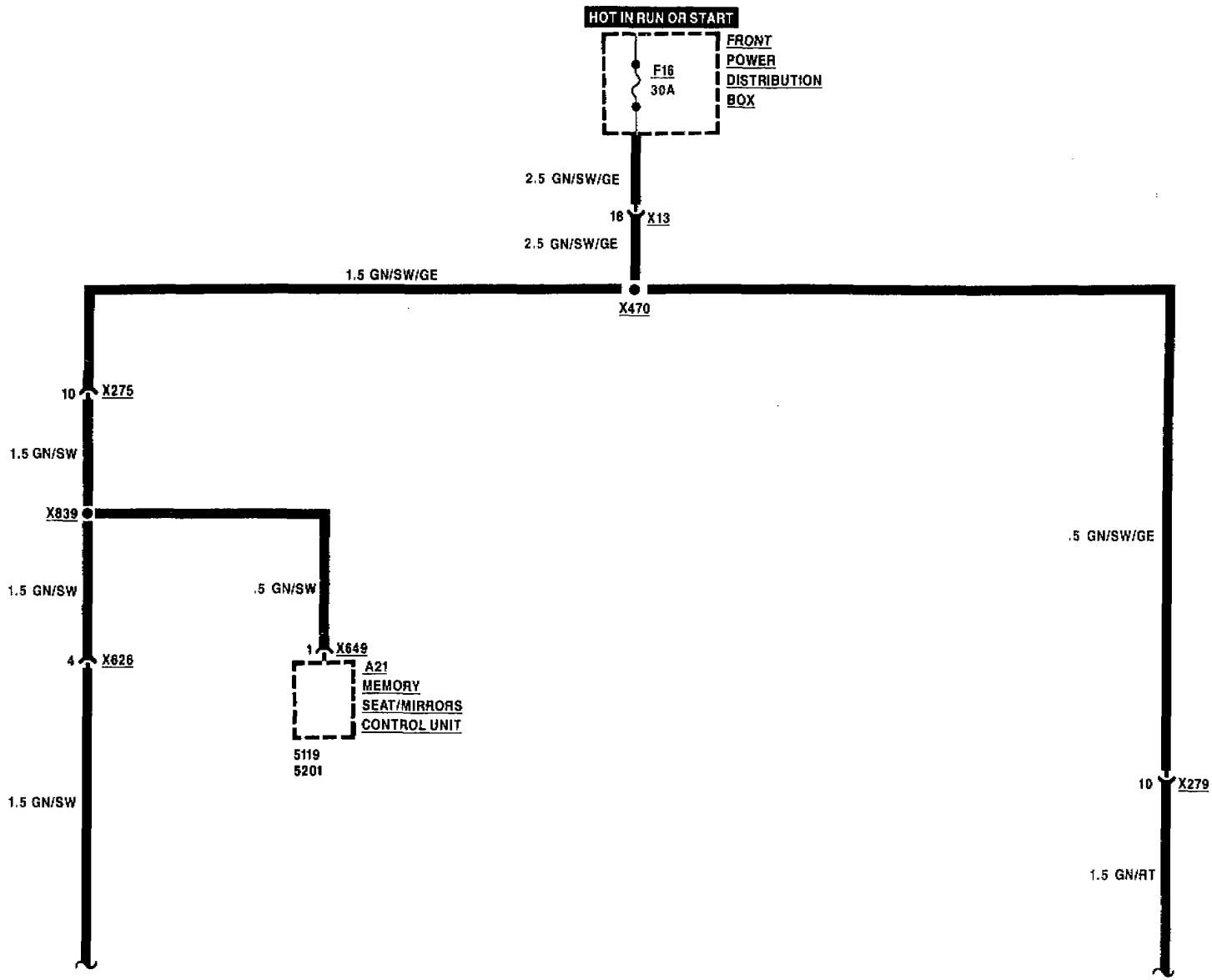
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FOR FUSE DETAILS:
FUSE 16,
SEE PAGE 0671-04

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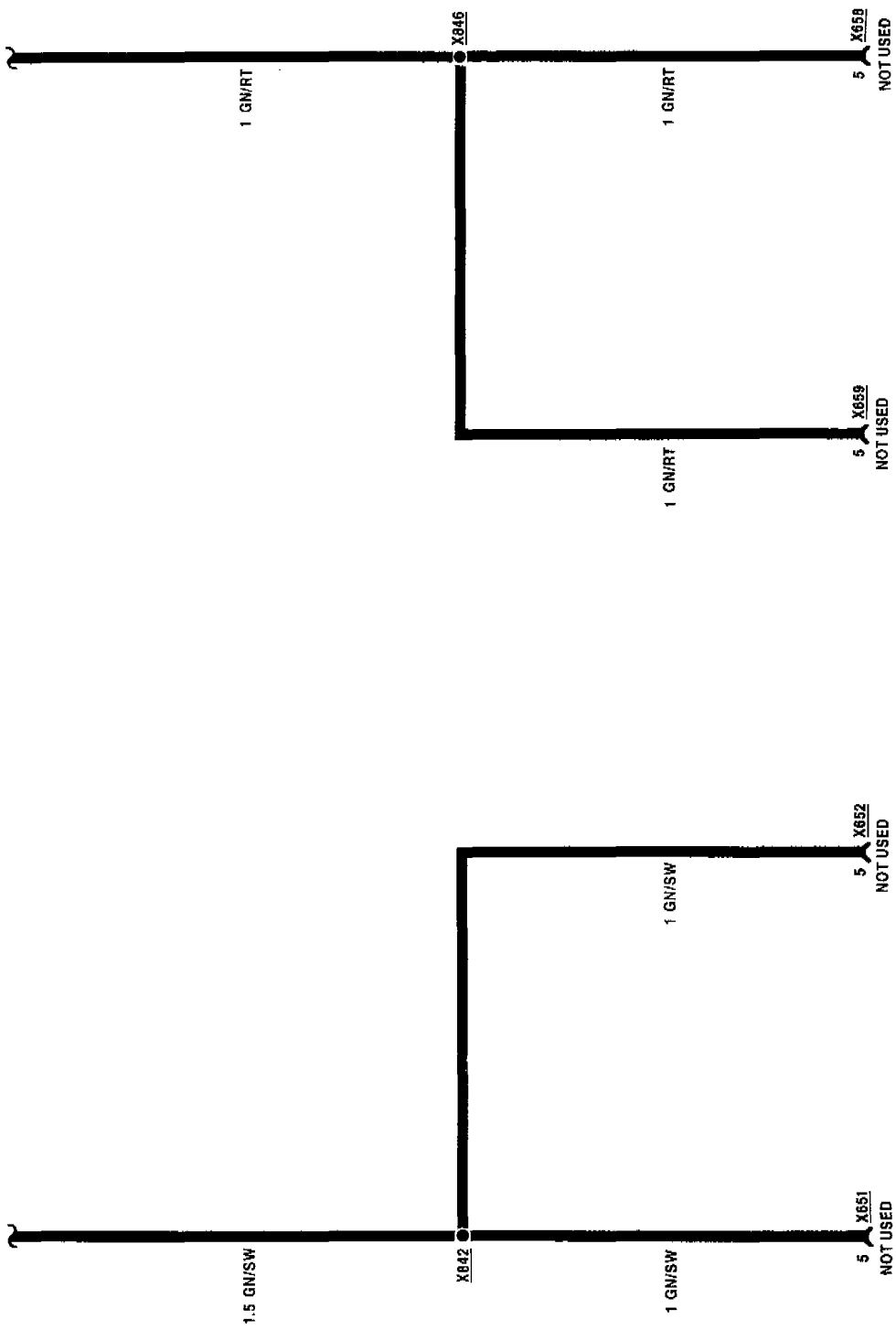
FUSE DETAILS

FUSE 16



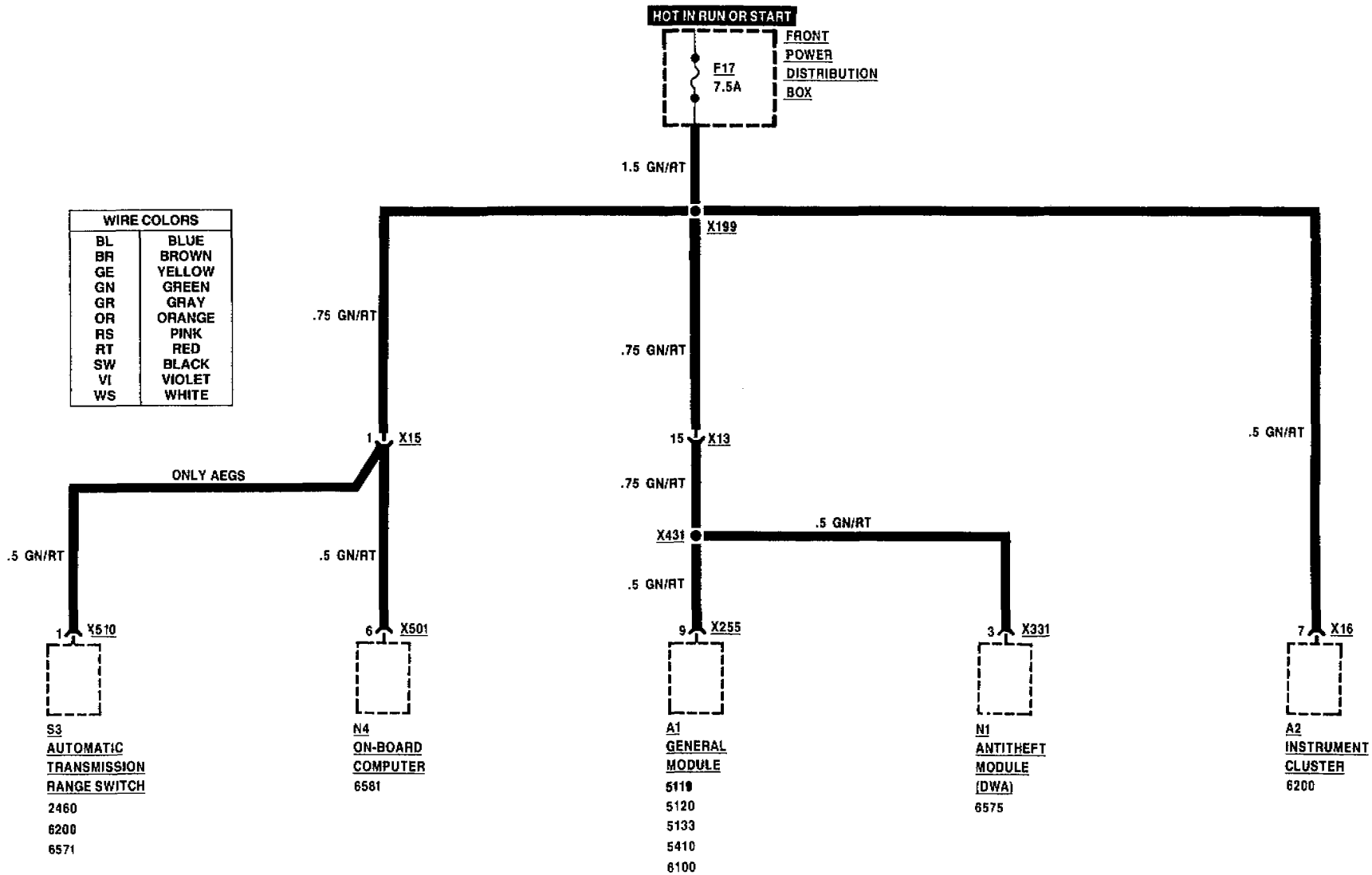
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FUSE DETAILS

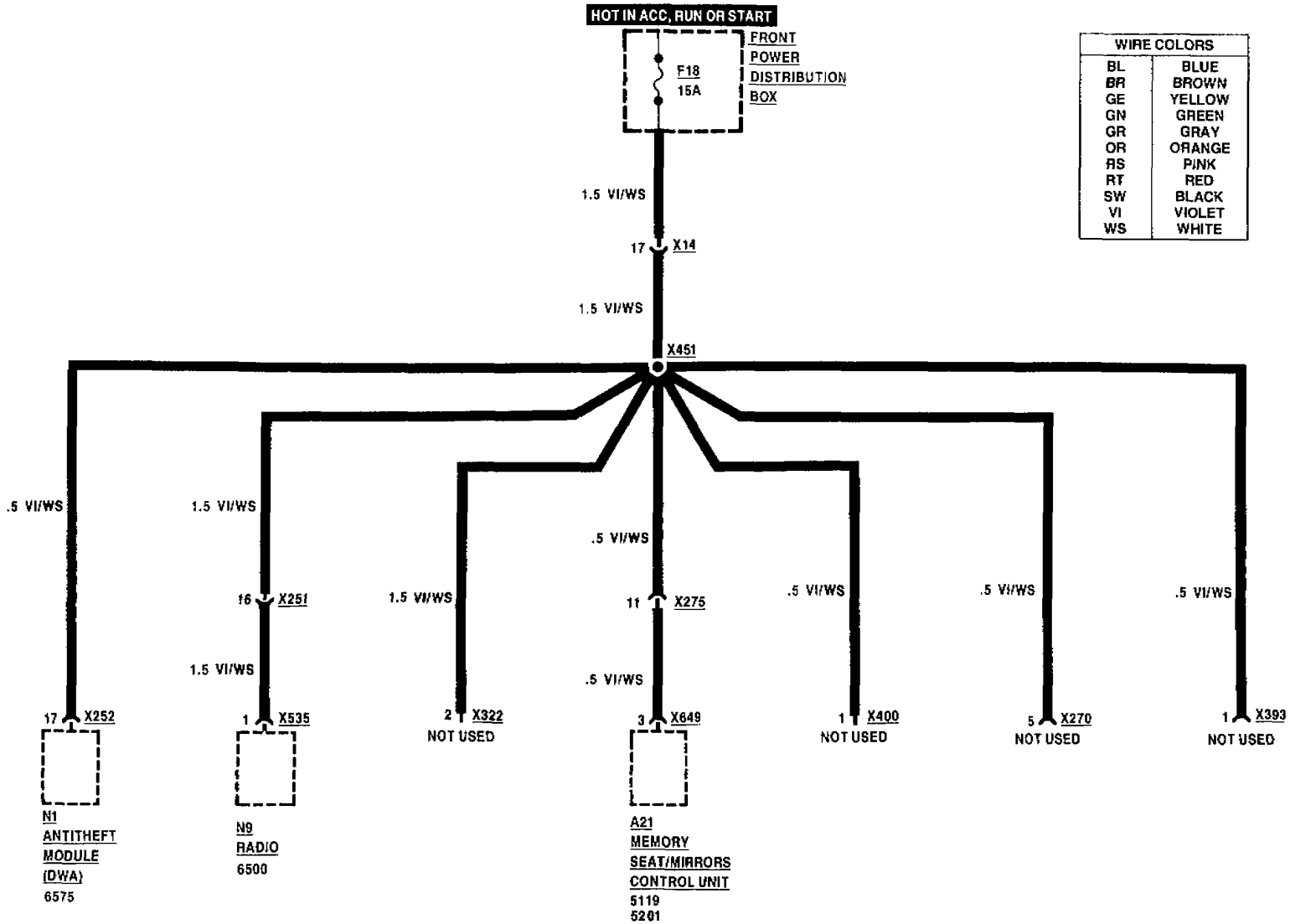
FUSE 17



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FUSE DETAILS

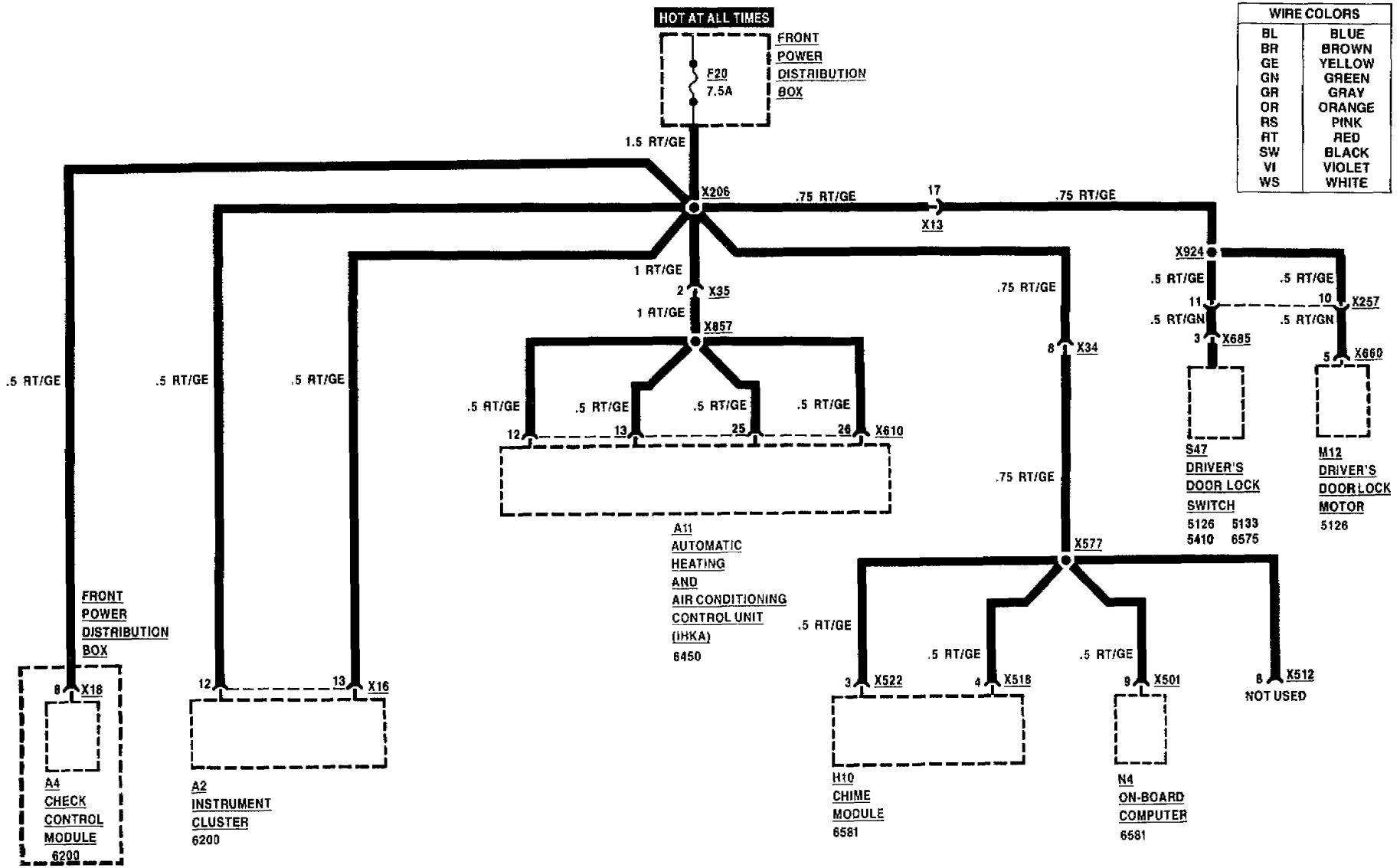
FUSE 18



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FUSE DETAILS

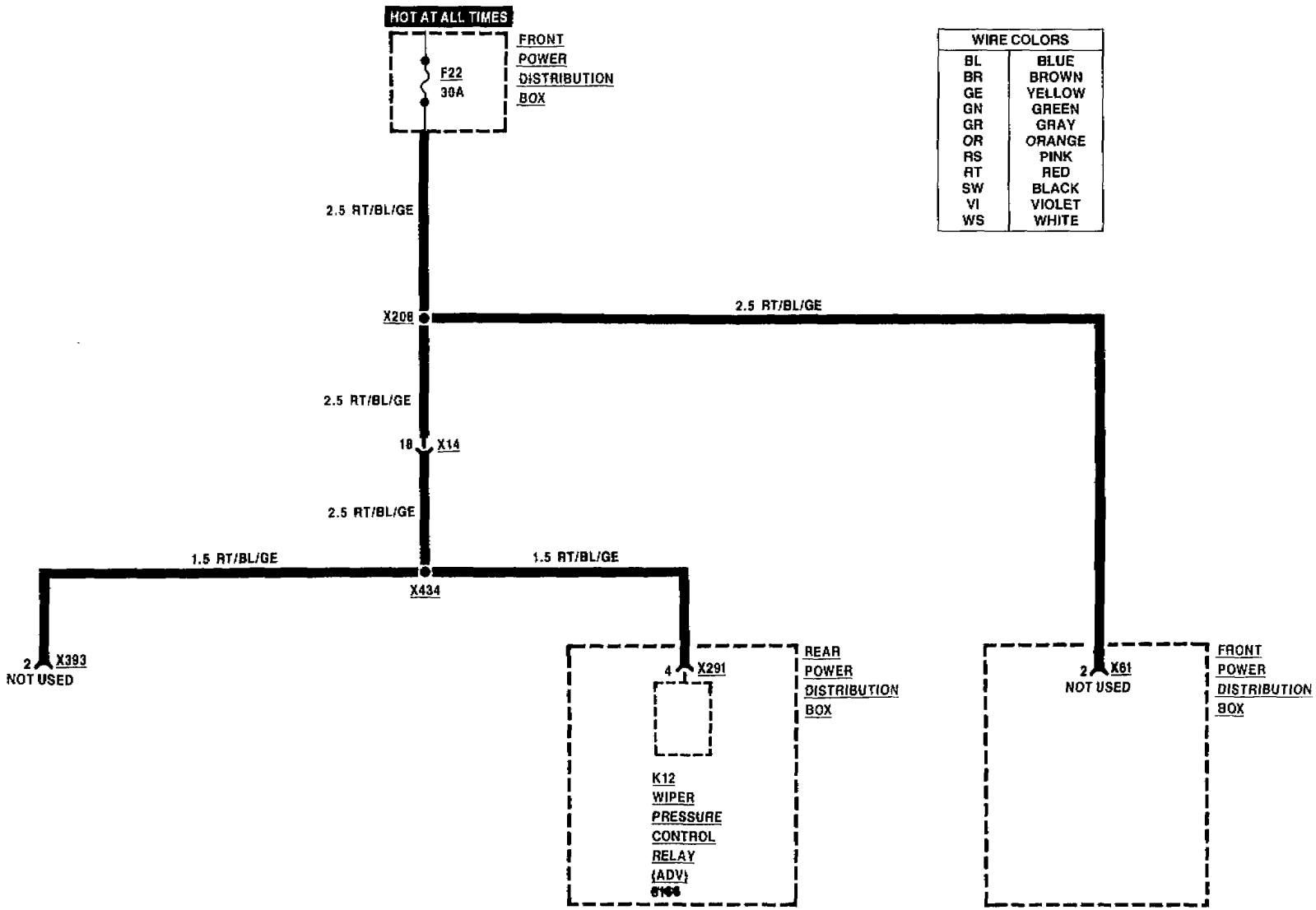
FUSE 20



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FUSE DETAILS

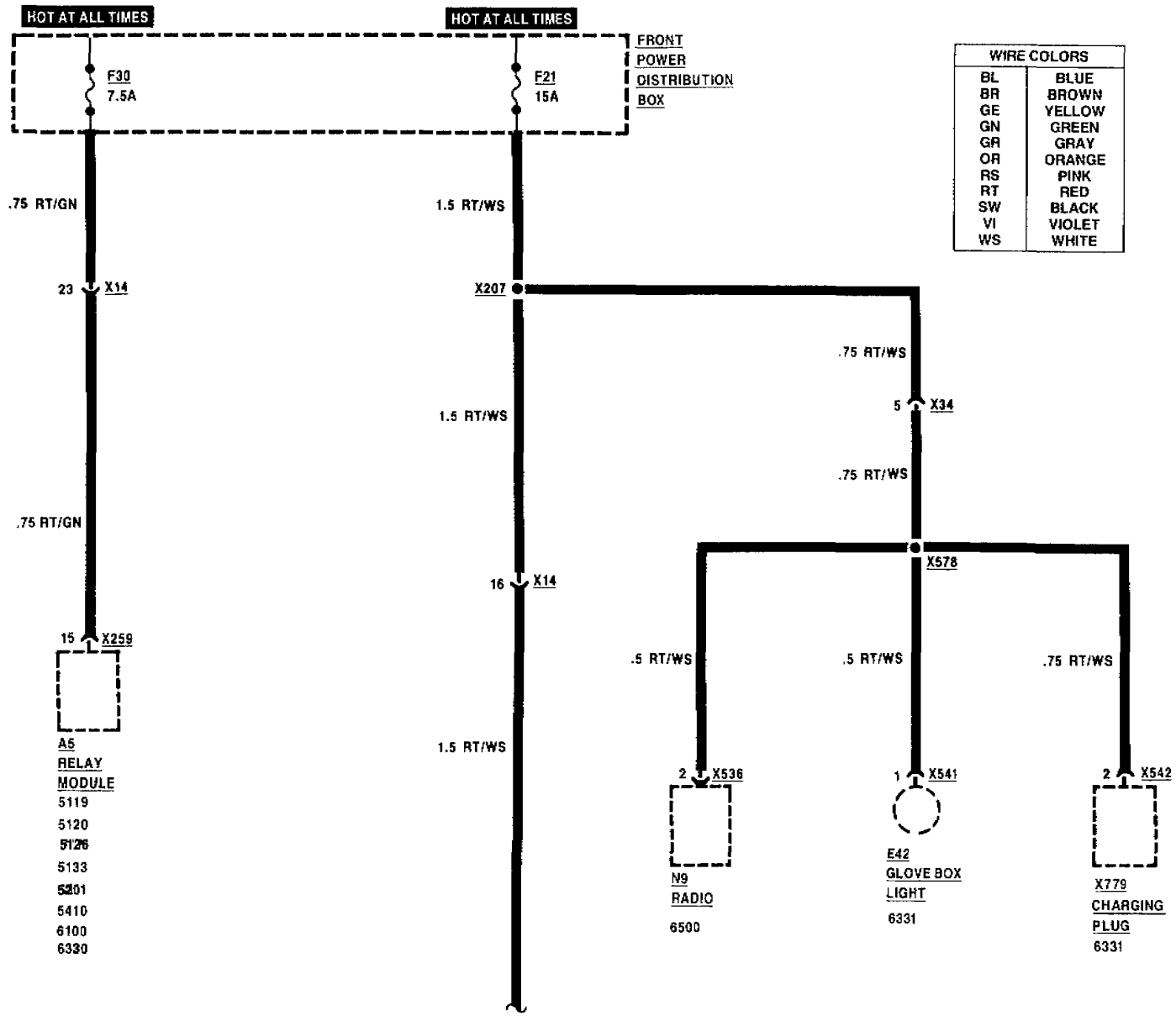
FUSE 22



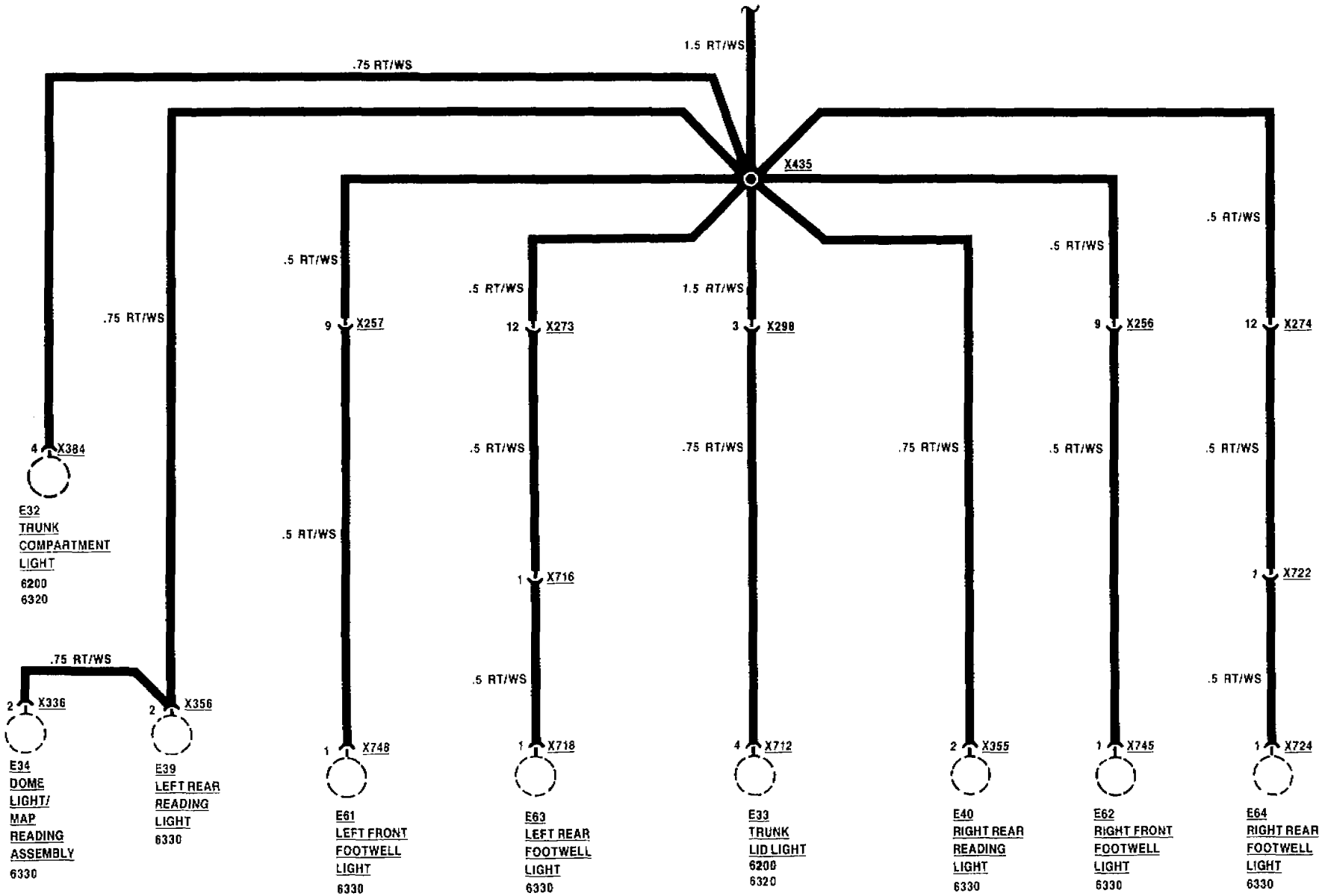
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FUSE DETAILS

FUSES 21 AND 30



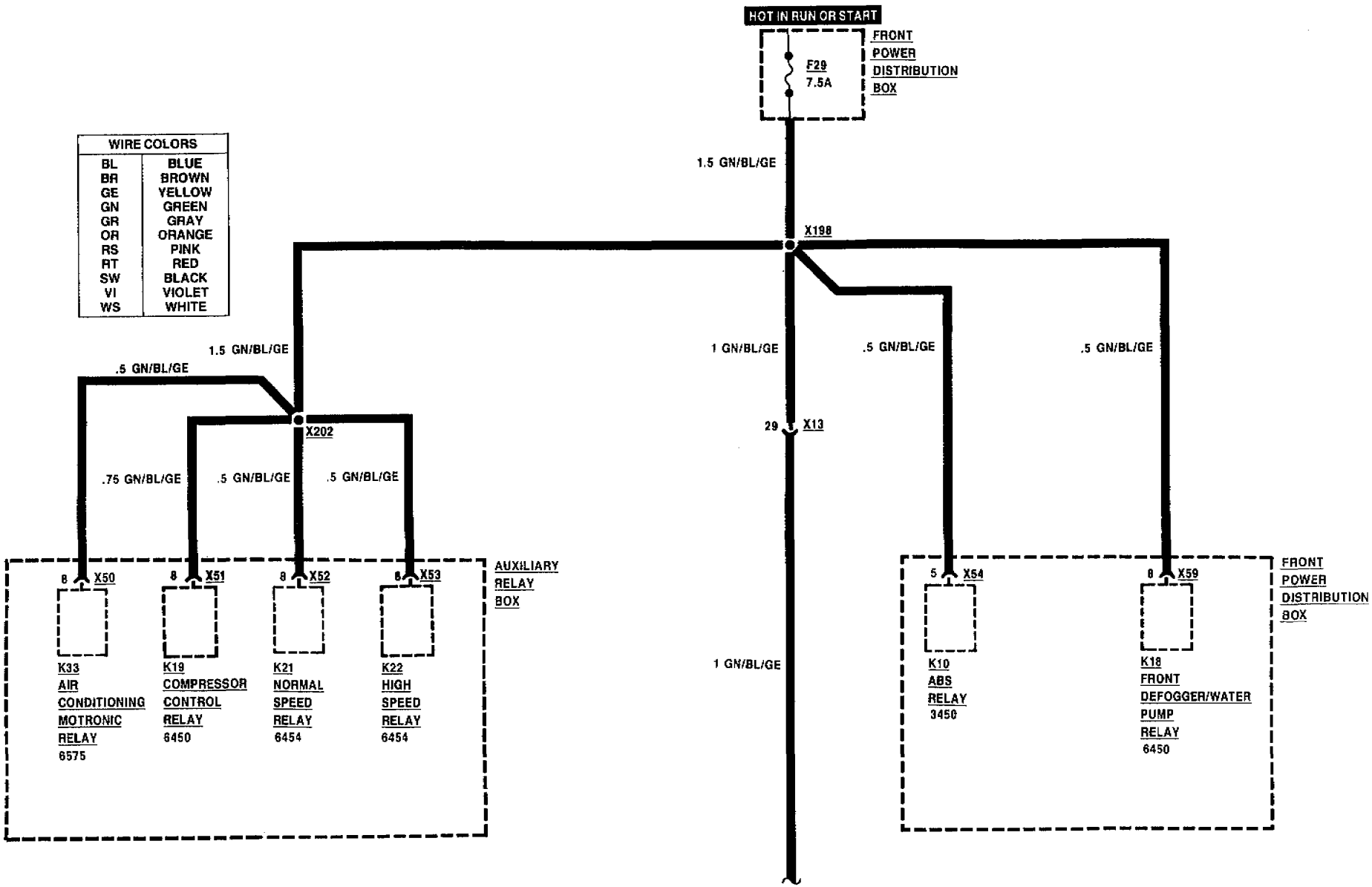
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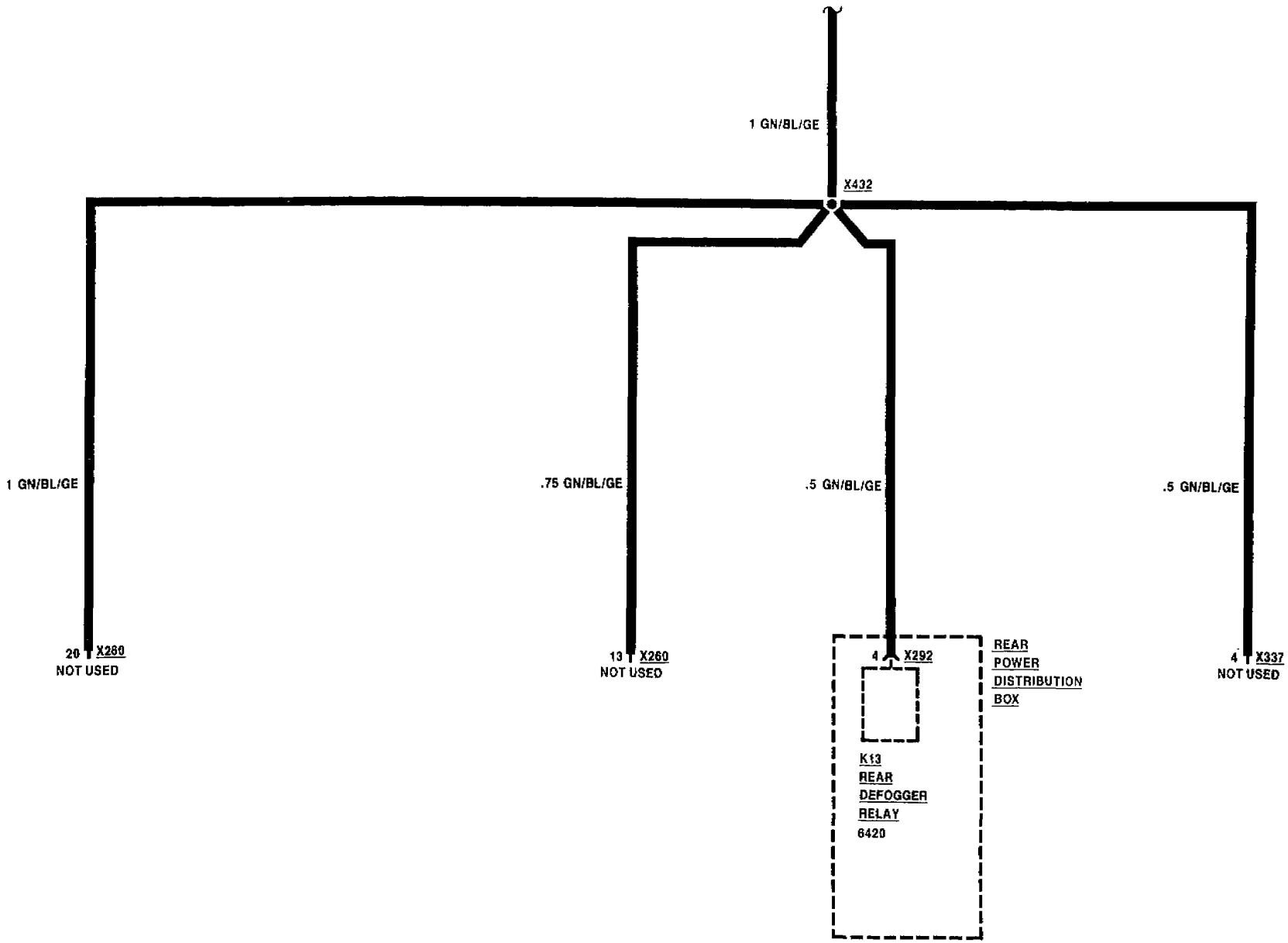
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FUSE DETAILS

FUSE 29



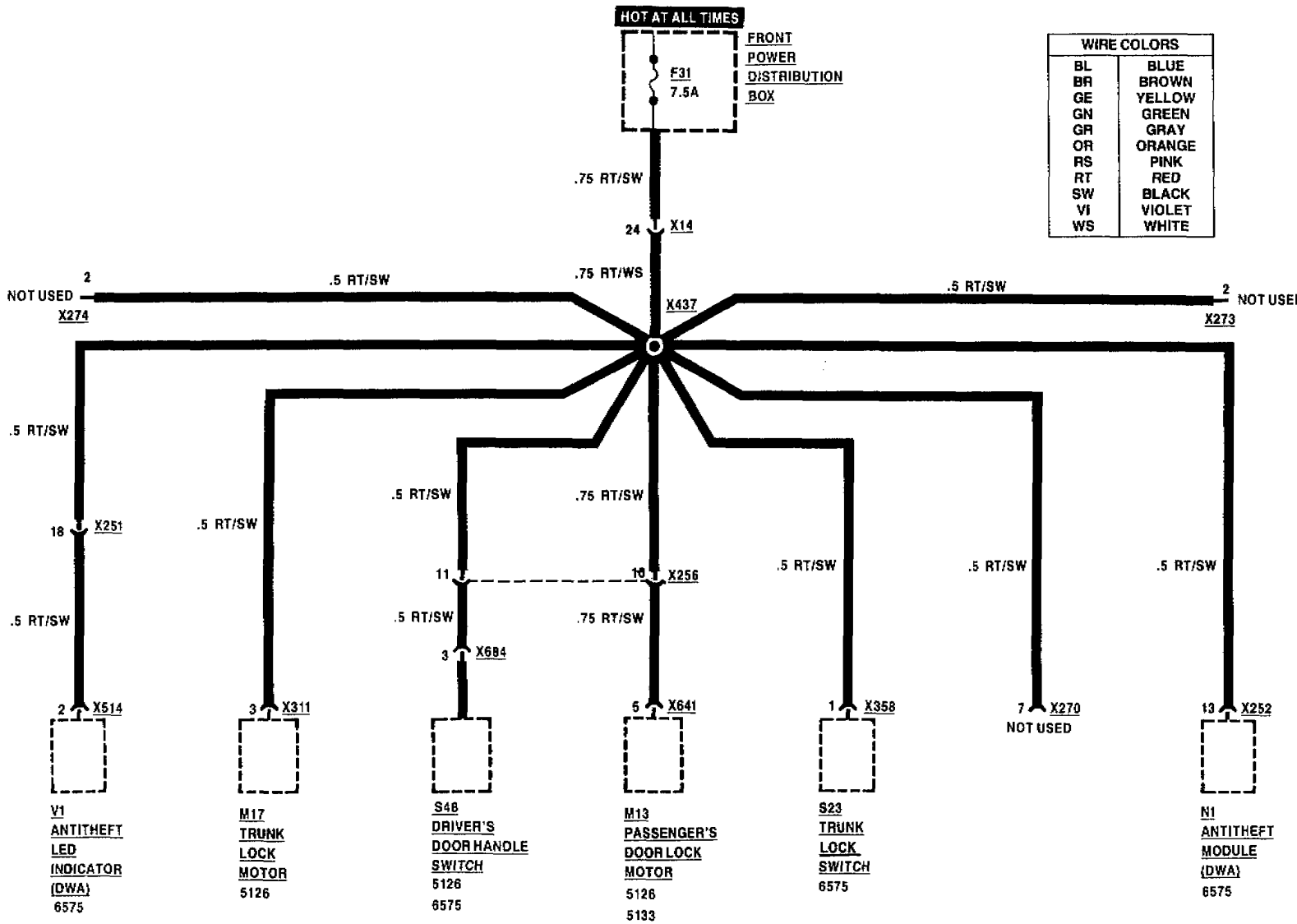
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1 GN/BL/GE
X432
1 GN/BL/GE
20 X280
NOT USED
.75 GN/BL/GE
13 X260
NOT USED
.5 GN/BL/GE
4 X292
REAR
POWER
DISTRIBUTION
BOX
K13
REAR
DEFOGGER
RELAY
6420
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4 X337
NOT USED

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FUSE DETAILS

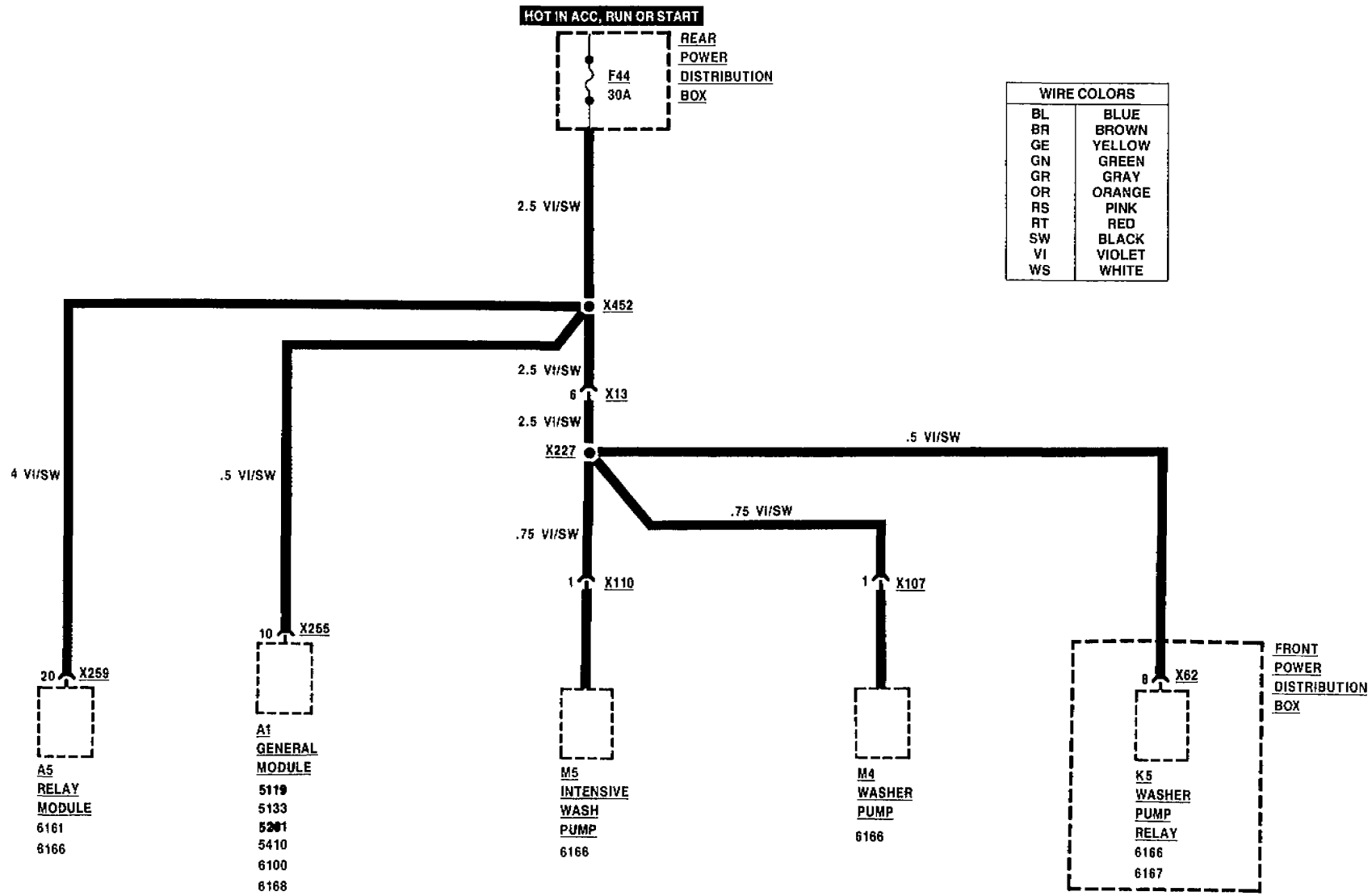
FUSE 31



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FUSE DETAILS

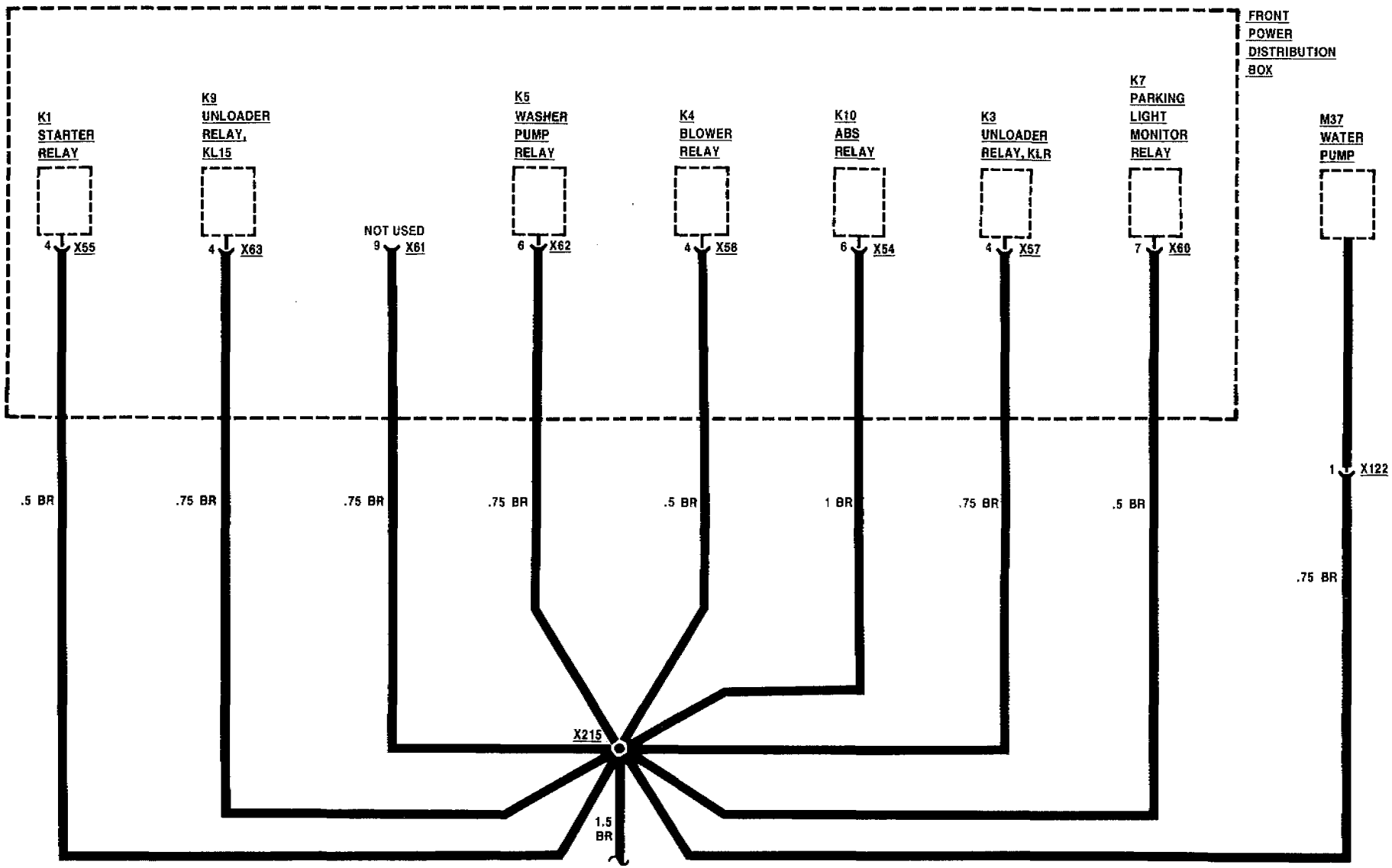
FUSE 44



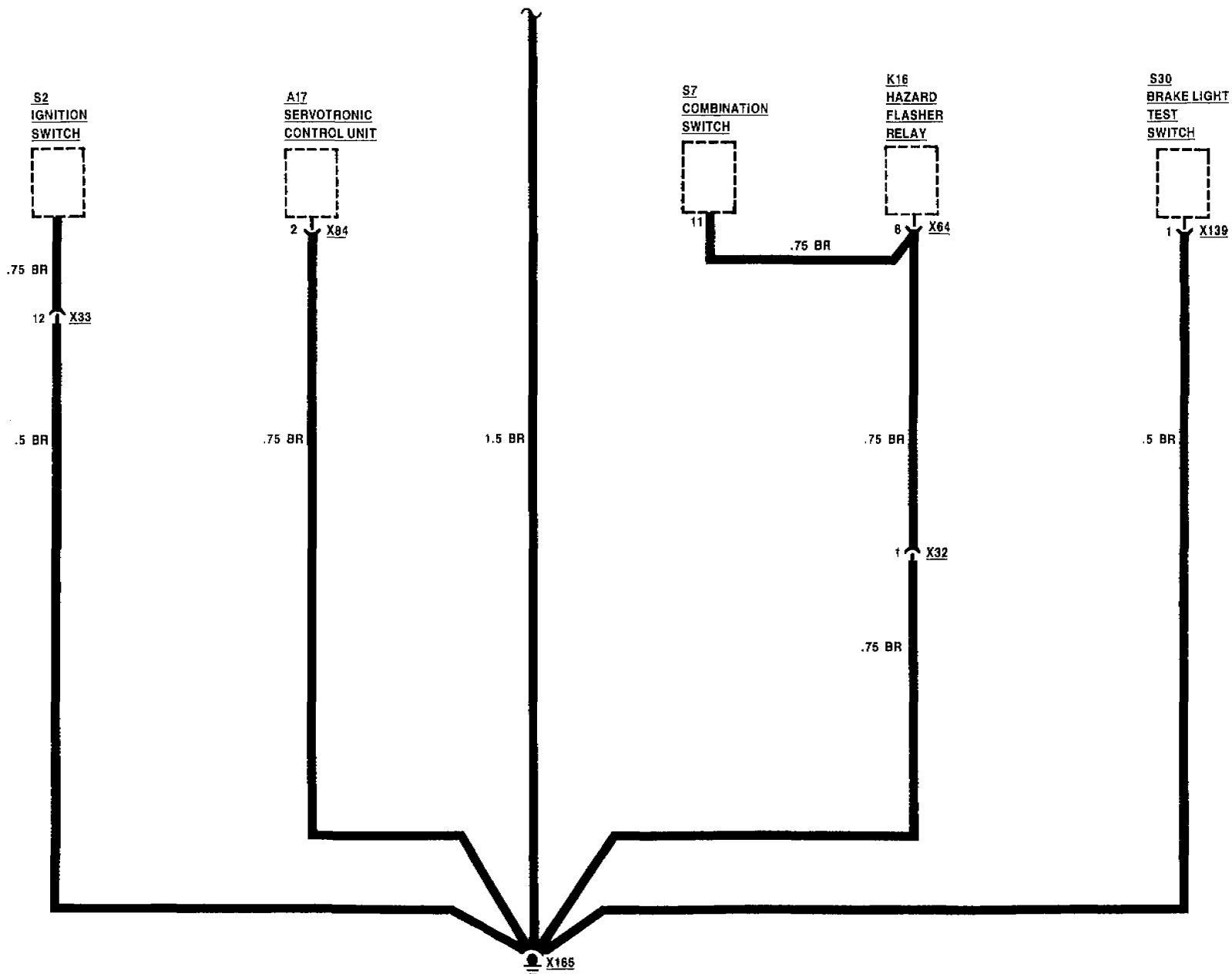
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GROUND DISTRIBUTION

GROUND X165



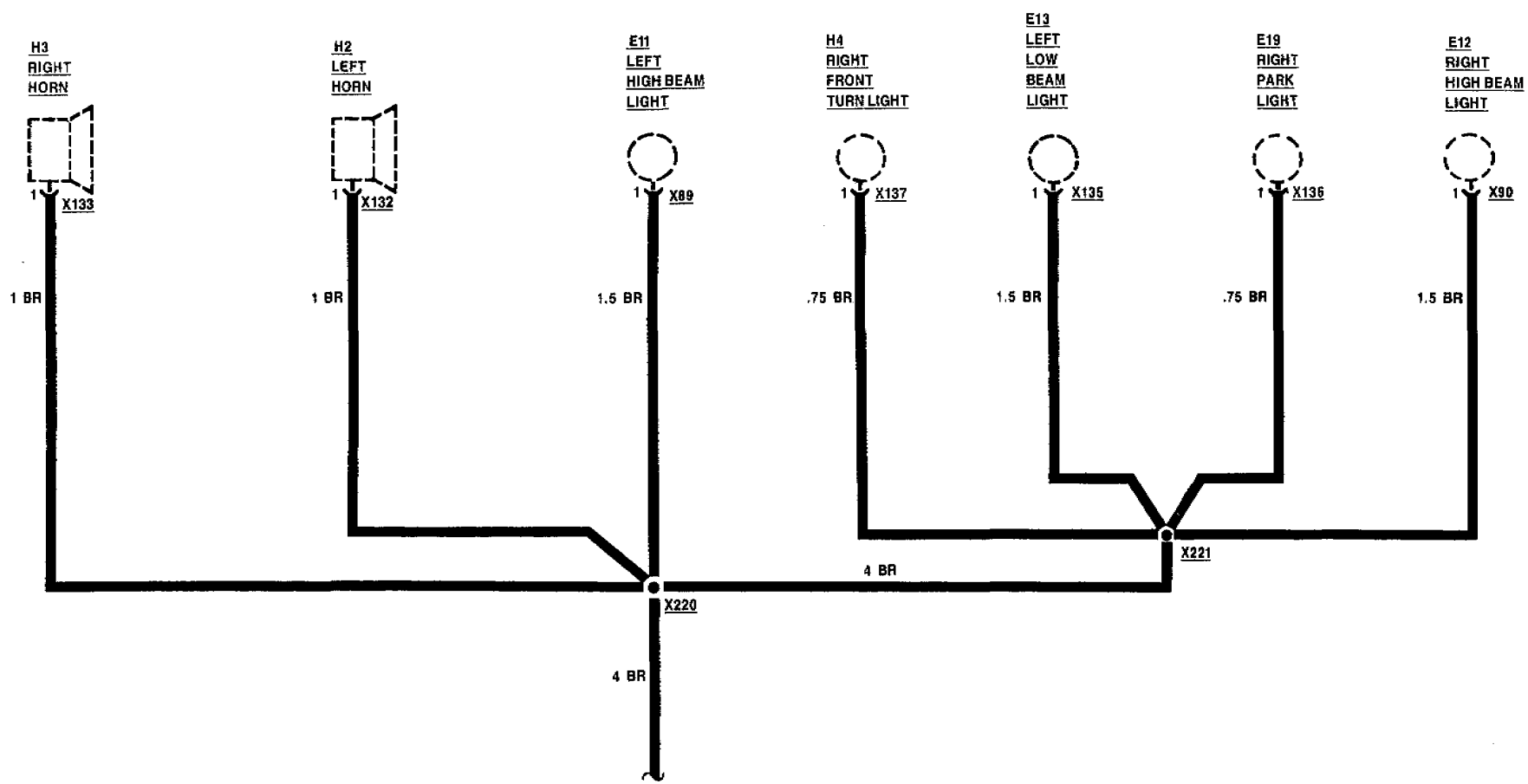
carlagn.com



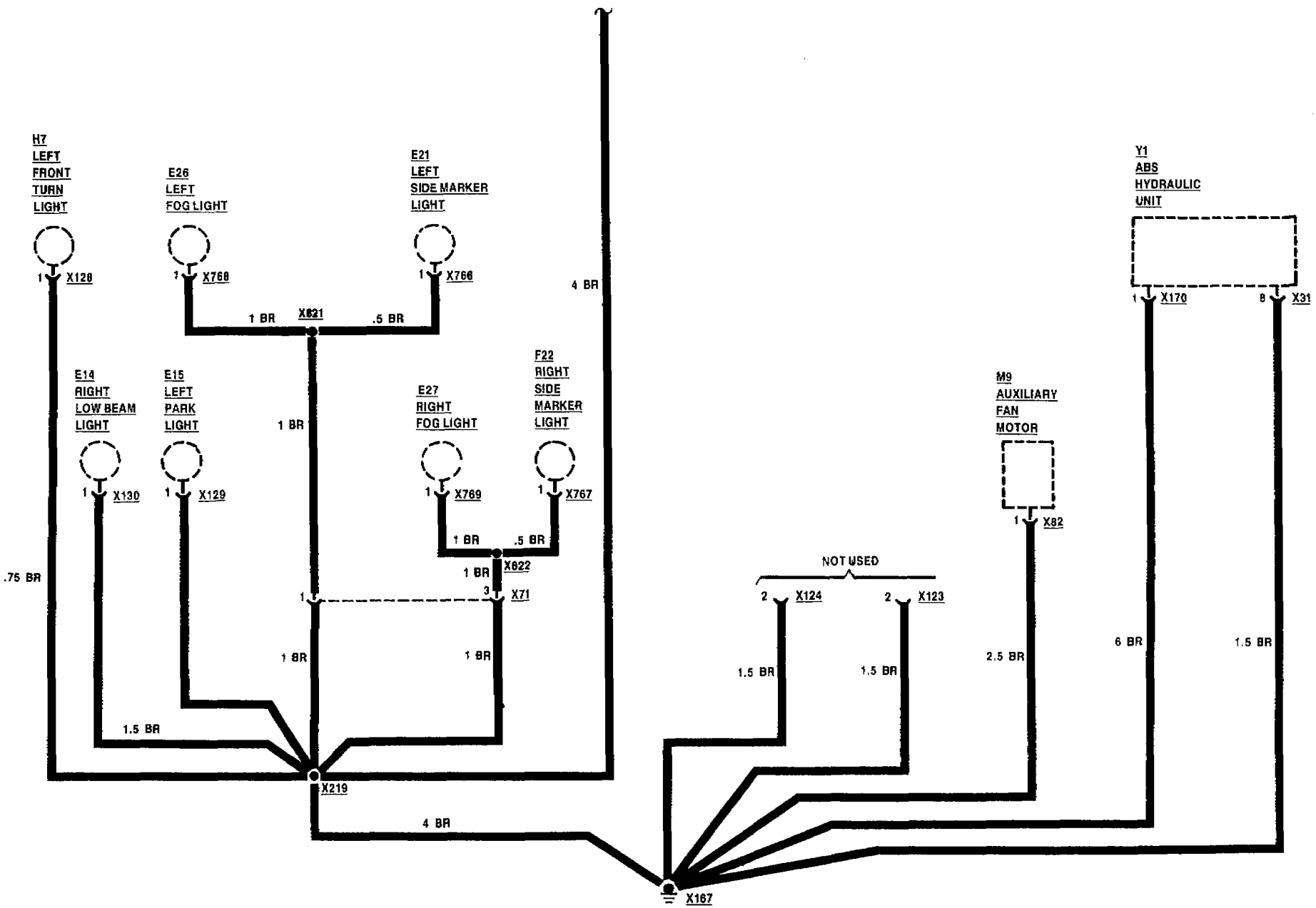
cardiagn.com

GROUND DISTRIBUTION

GROUND X167



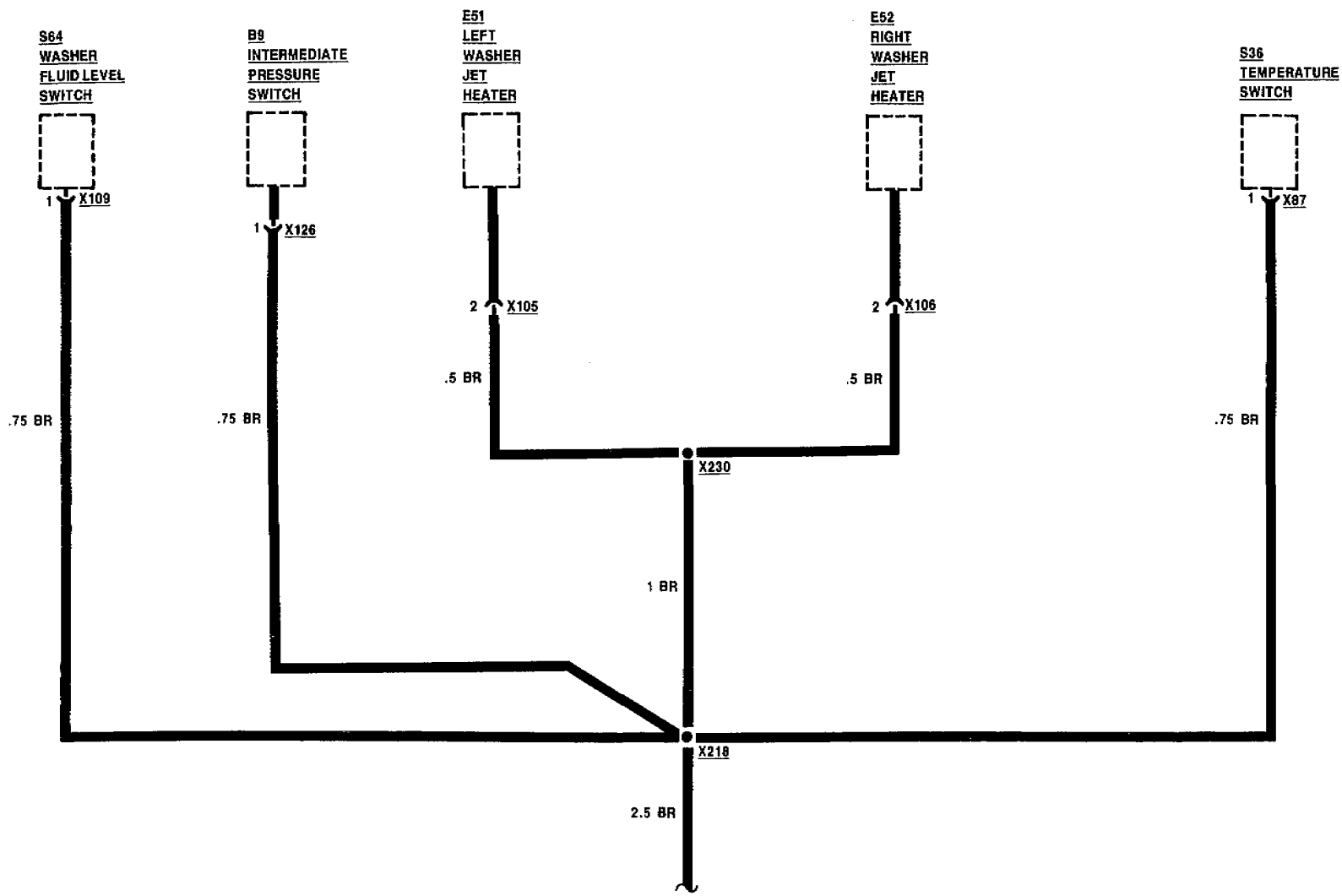
carplan.com


H7
LEFT
FRONT
TURN
LIGHT
1 X128
E26
LEFT
FOG LIGHT
1 X768
E21
LEFT
SIDE MARKER
LIGHT
1 X766
4 BR
1 BR
X621
.5 BR
E14
RIGHT
LOW BEAM
LIGHT
1 X130
E15
LEFT
PARK
LIGHT
1 X129
1 BR
E27
RIGHT
FOG LIGHT
1 X769
F22
RIGHT
SIDE
MARKER
LIGHT
1 X767
1 BR
.5 BR
1 BR
X622
.75 BR
1
3
X71
1 BR
1 BR
1.5 BR
X219
4 BR
X167
NOT USED
2 X124
2 X123
1.5 BR
1.5 BR
M9
AUXILIARY
FAN
MOTOR
1 X82
2.5 BR
Y1
ABS
HYDRAULIC
UNIT
1 X170
8 X31
6 BR
1.5 BR

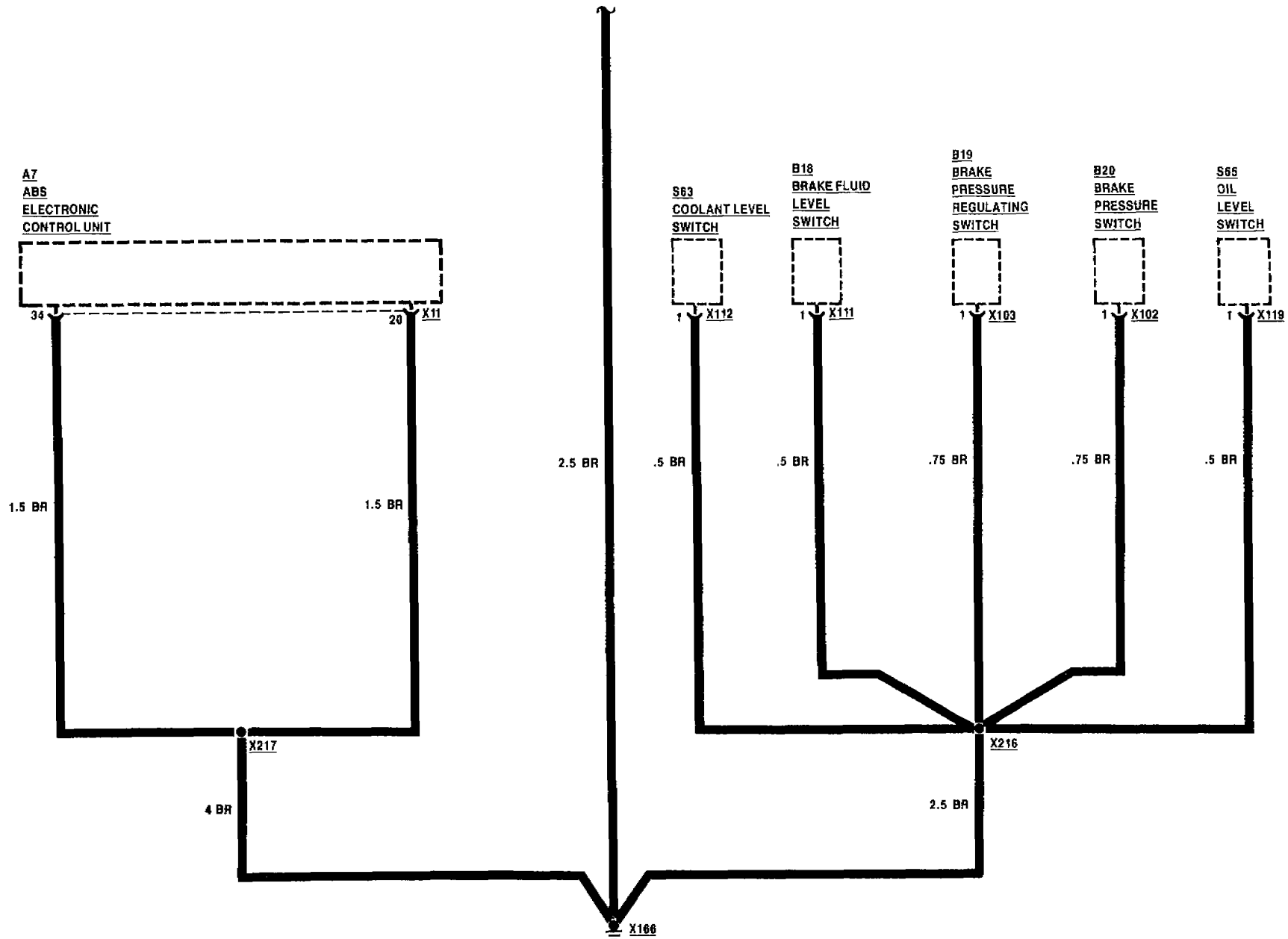
carplan.com

GROUND DISTRIBUTION

GROUND X166



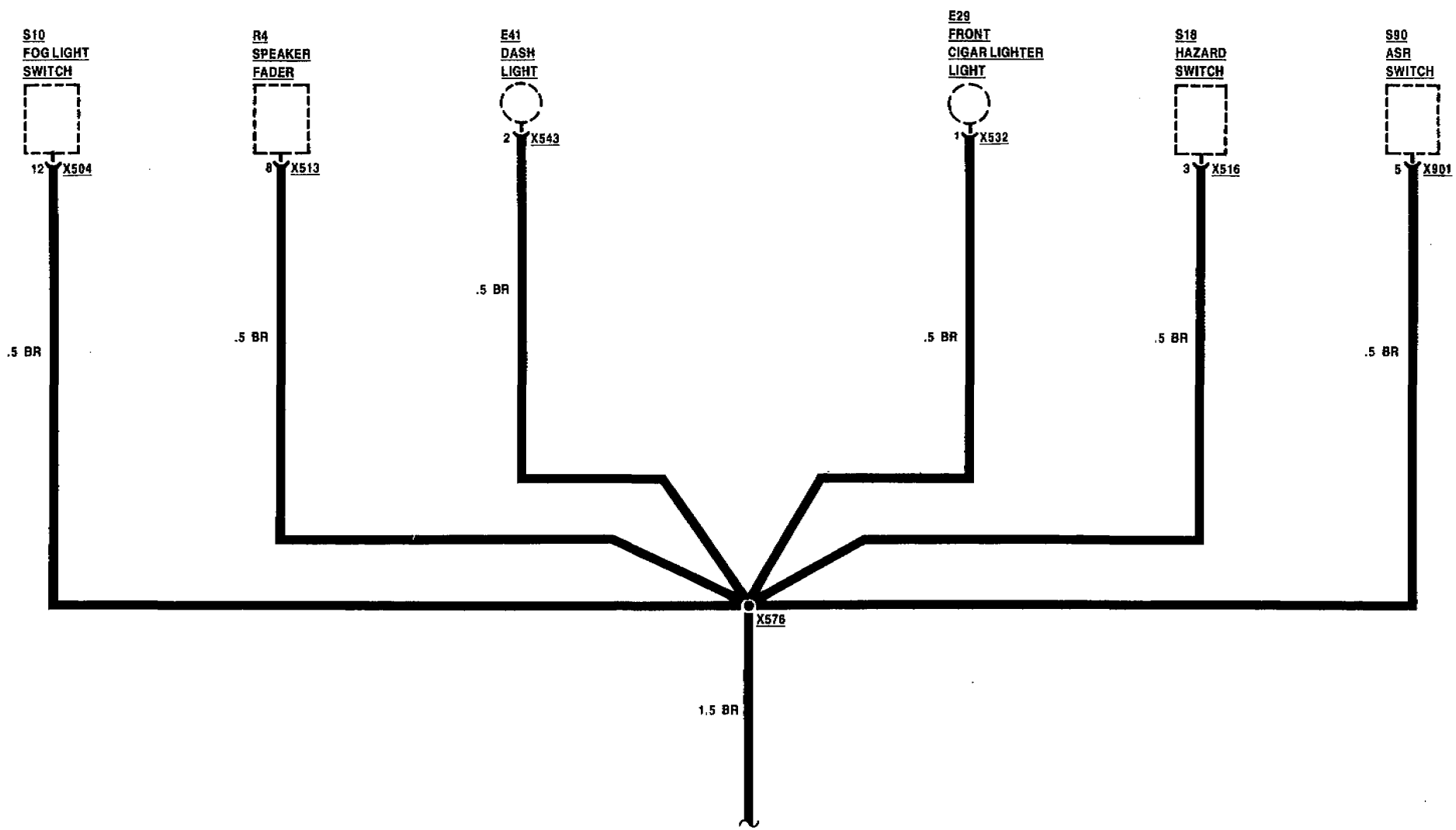
cardiagn.com



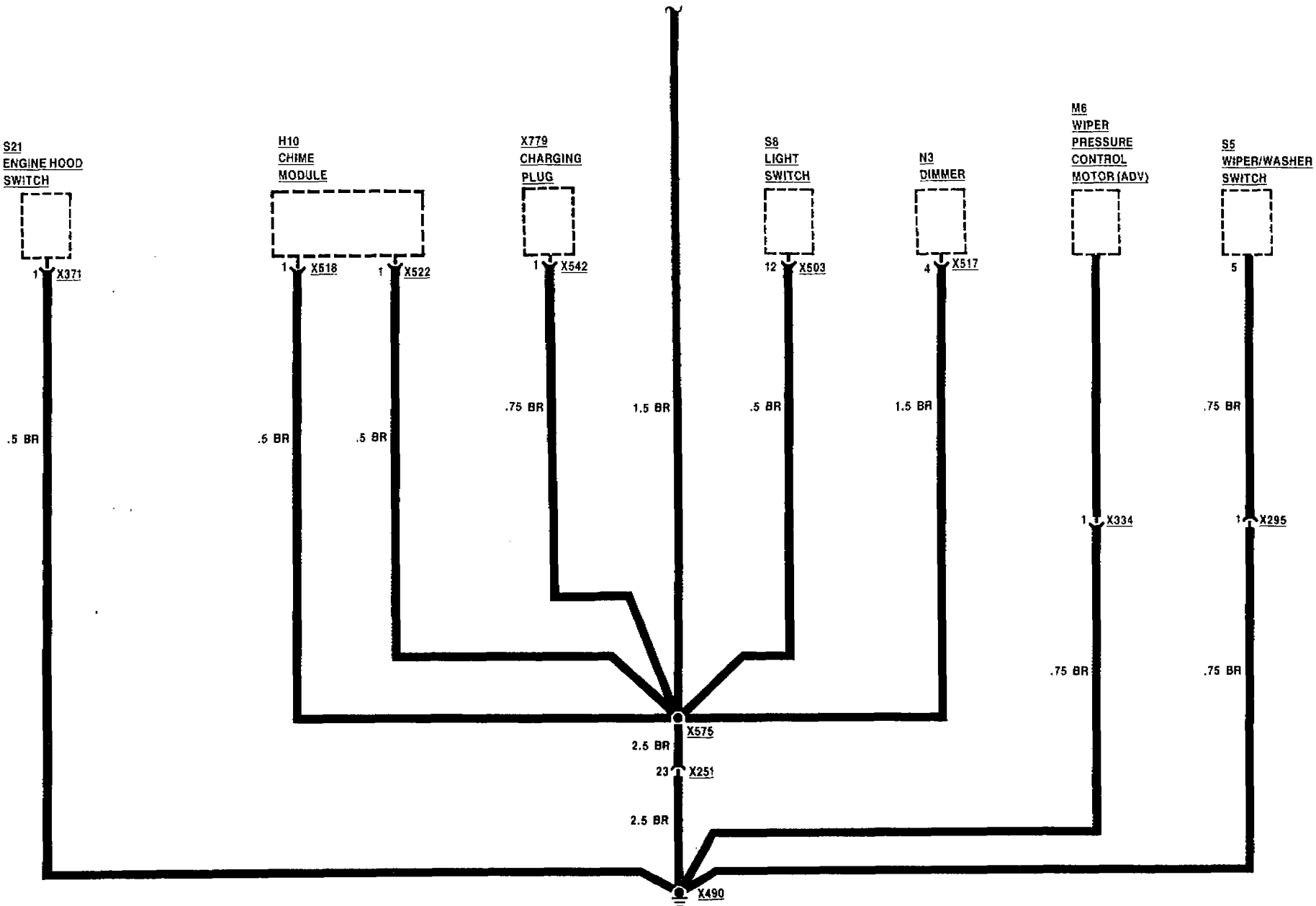
cardiagn.com

GROUND DISTRIBUTION

GROUND X490



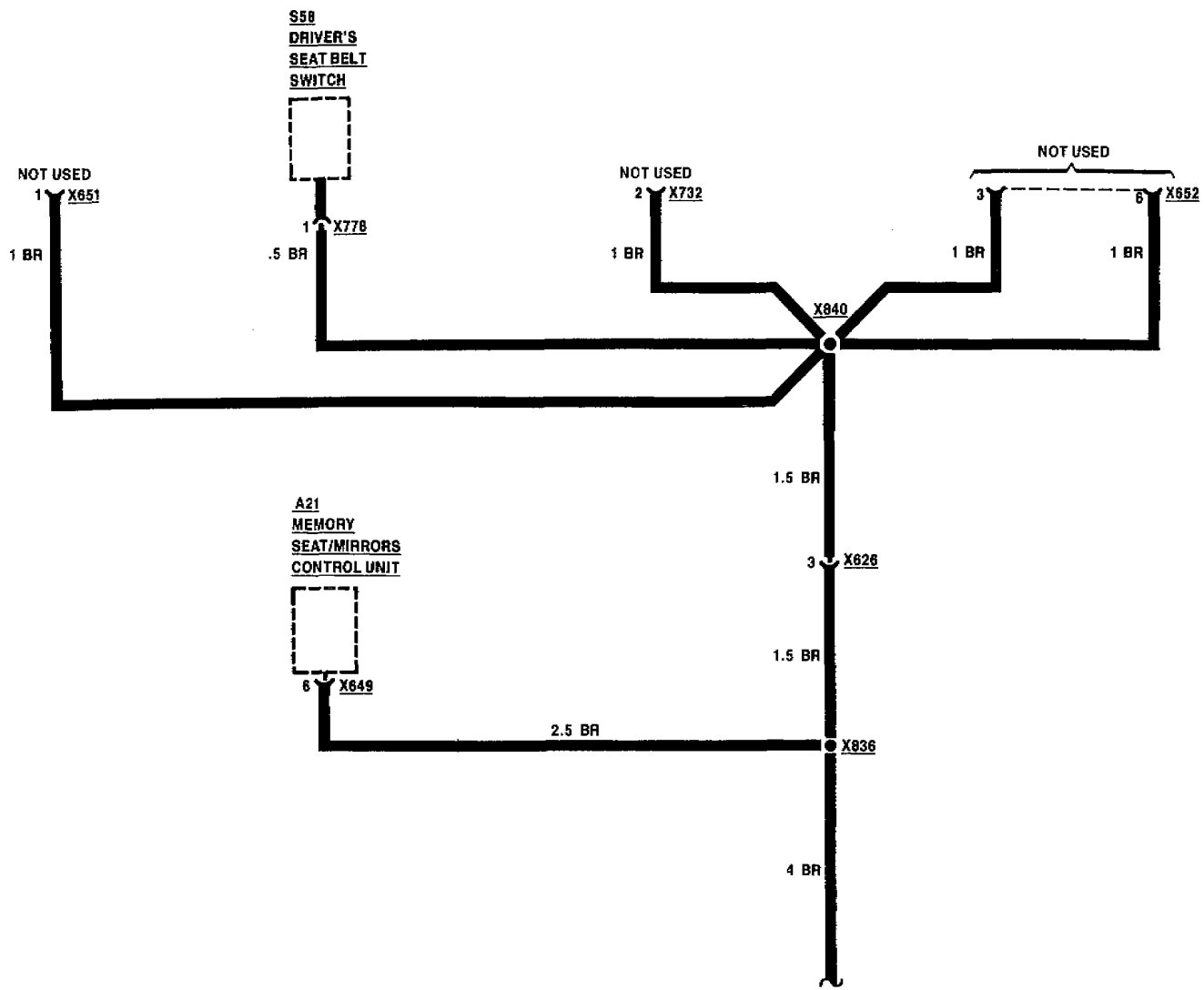
cardiagn.com



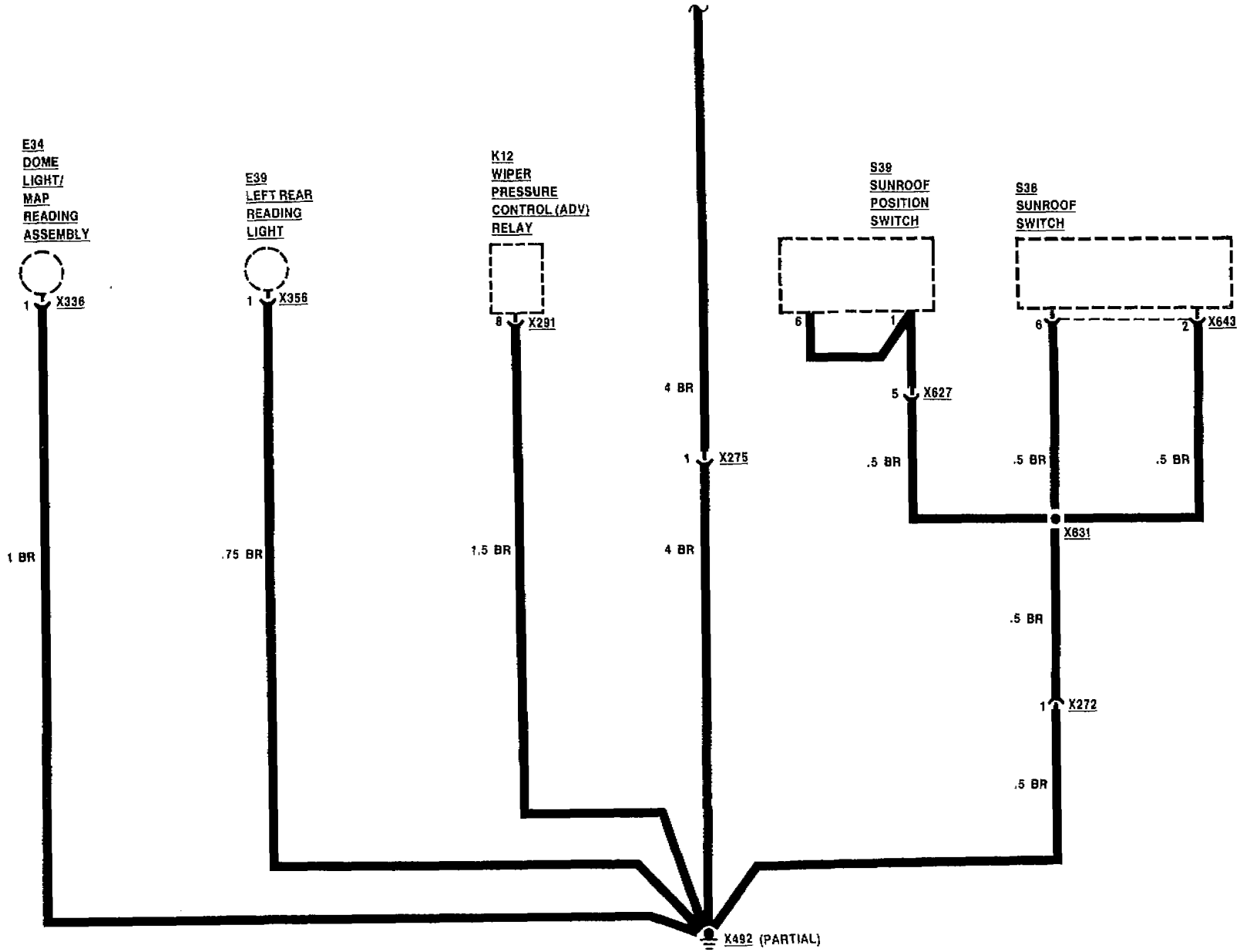
cardiagn.com

GROUND DISTRIBUTION

GROUND X492



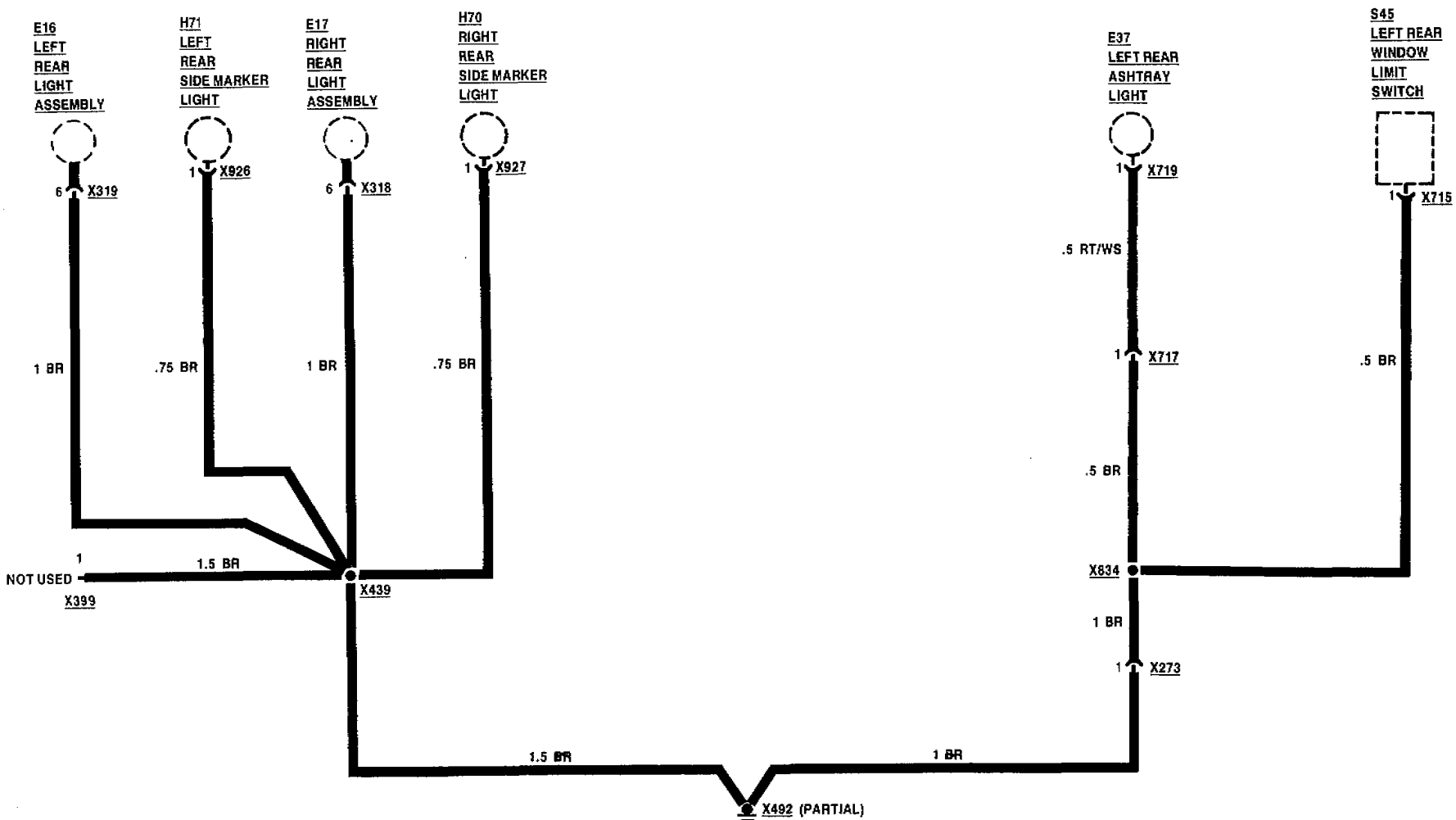
cardiagn.com



cardiagn.com

GROUND DISTRIBUTION

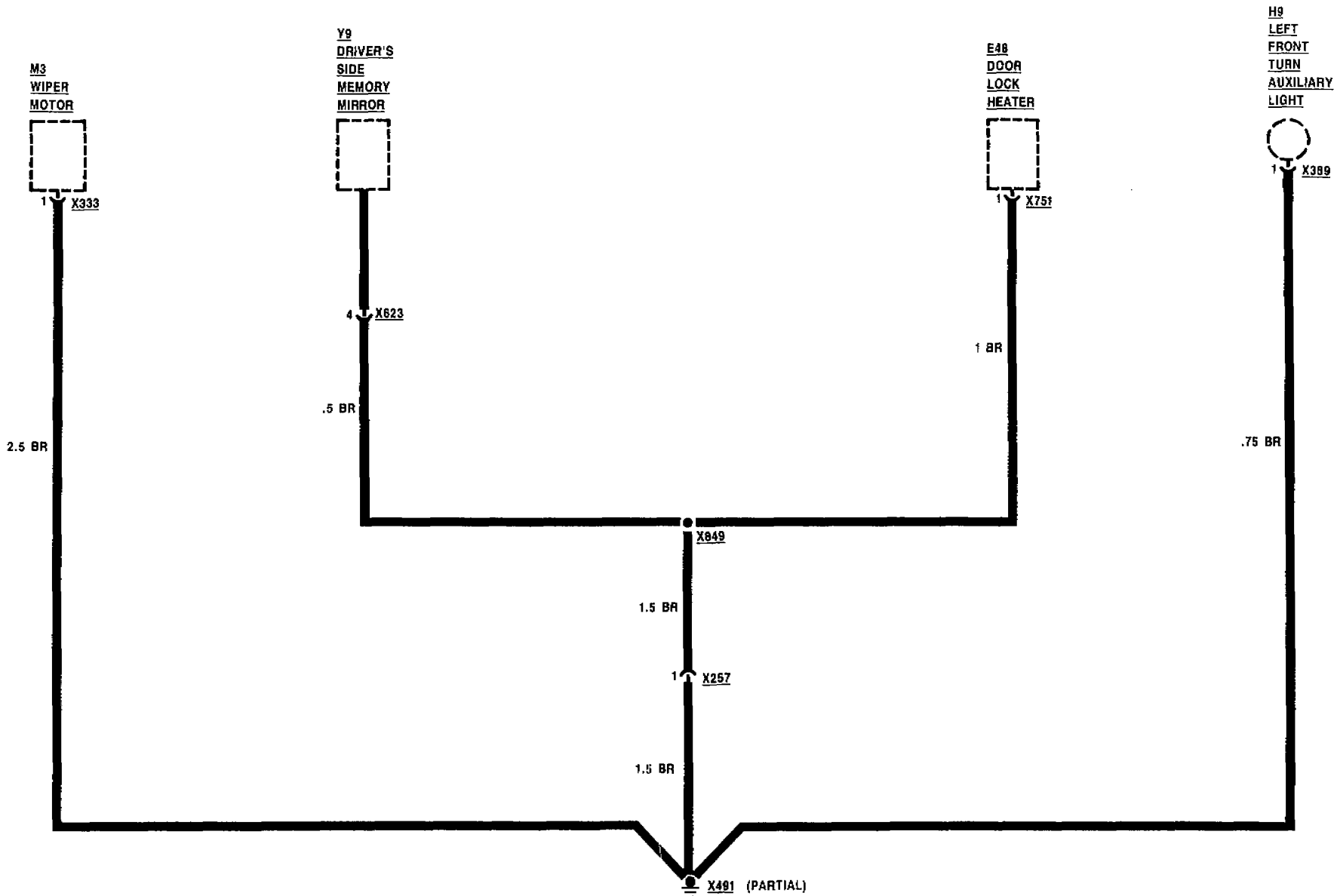
GROUND X492



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GROUND DISTRIBUTION

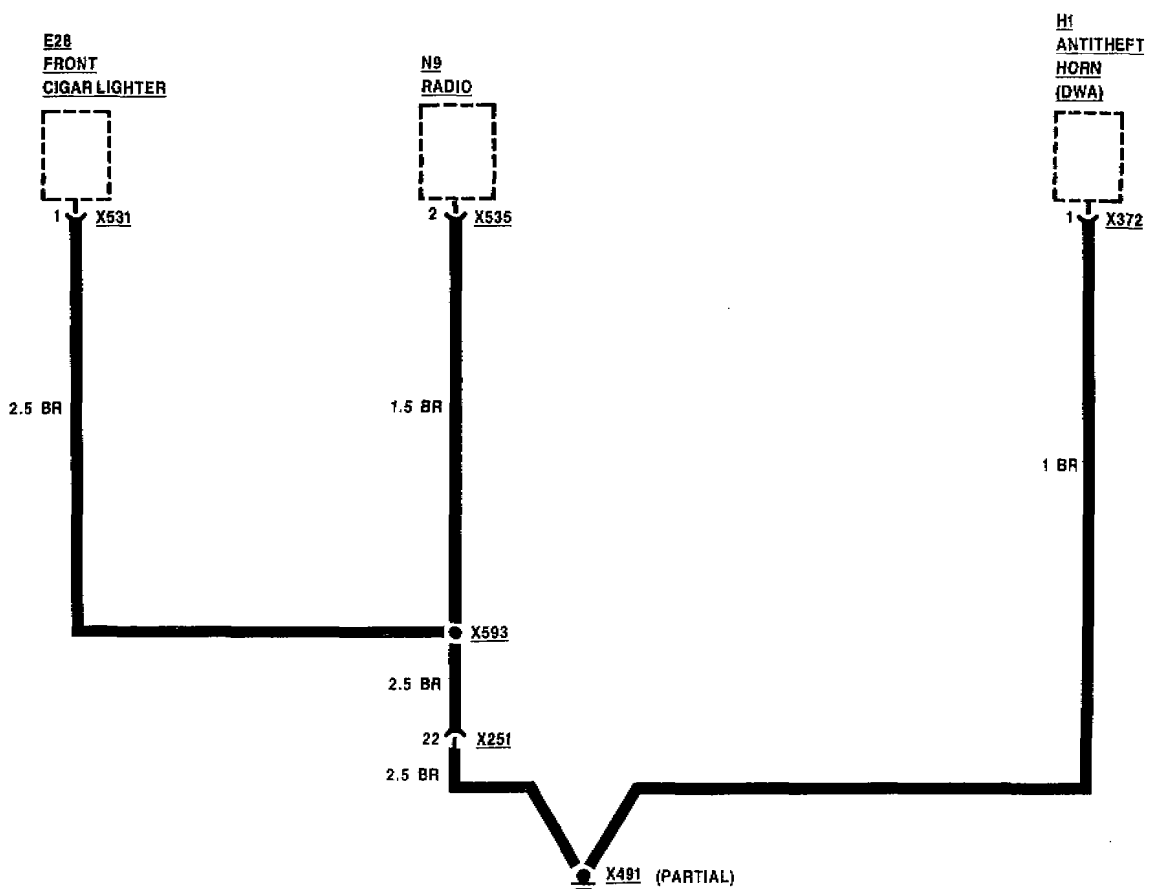
GROUND X491



cardiagn.com

GROUND DISTRIBUTION

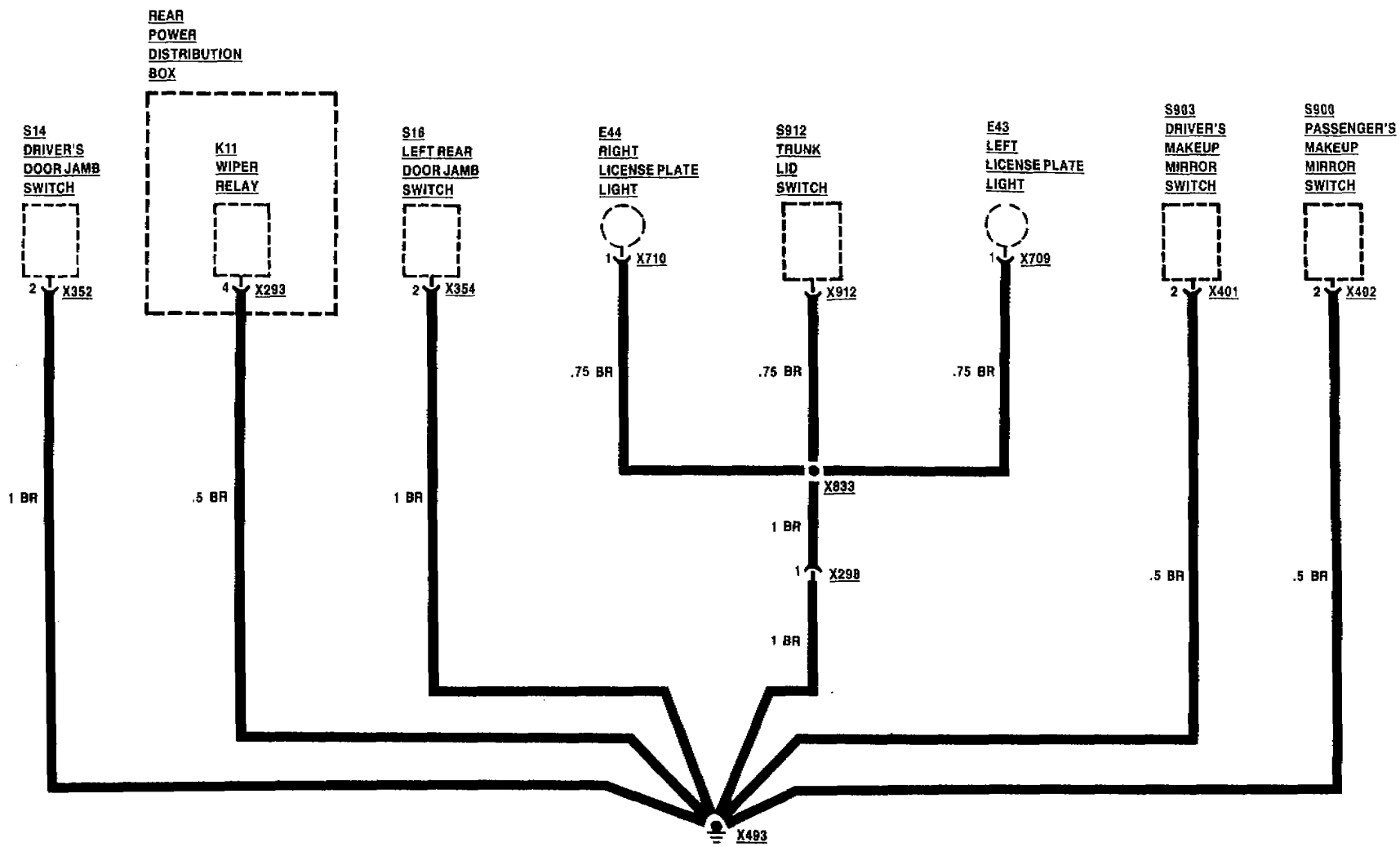
GROUND X491



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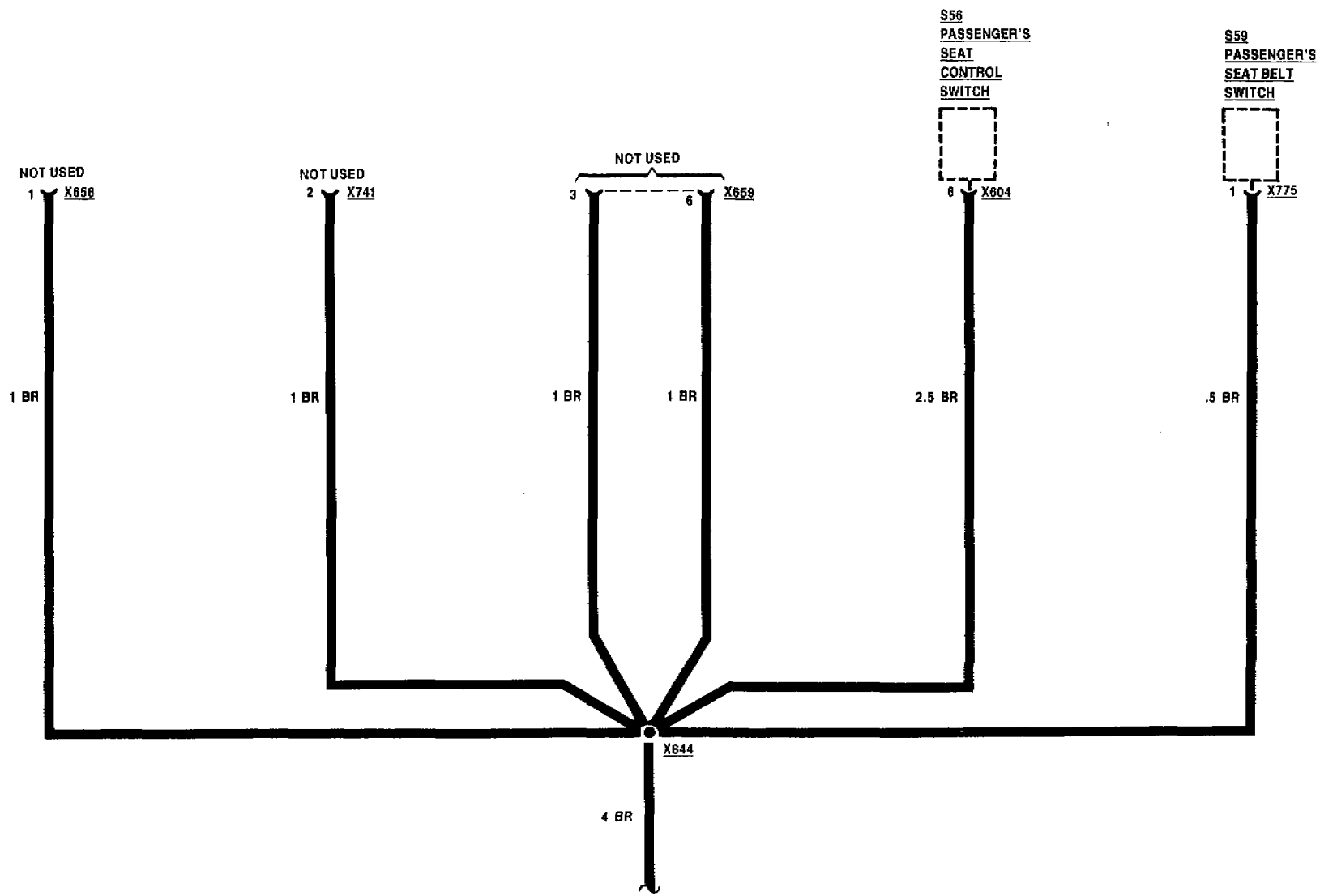
GROUND X493



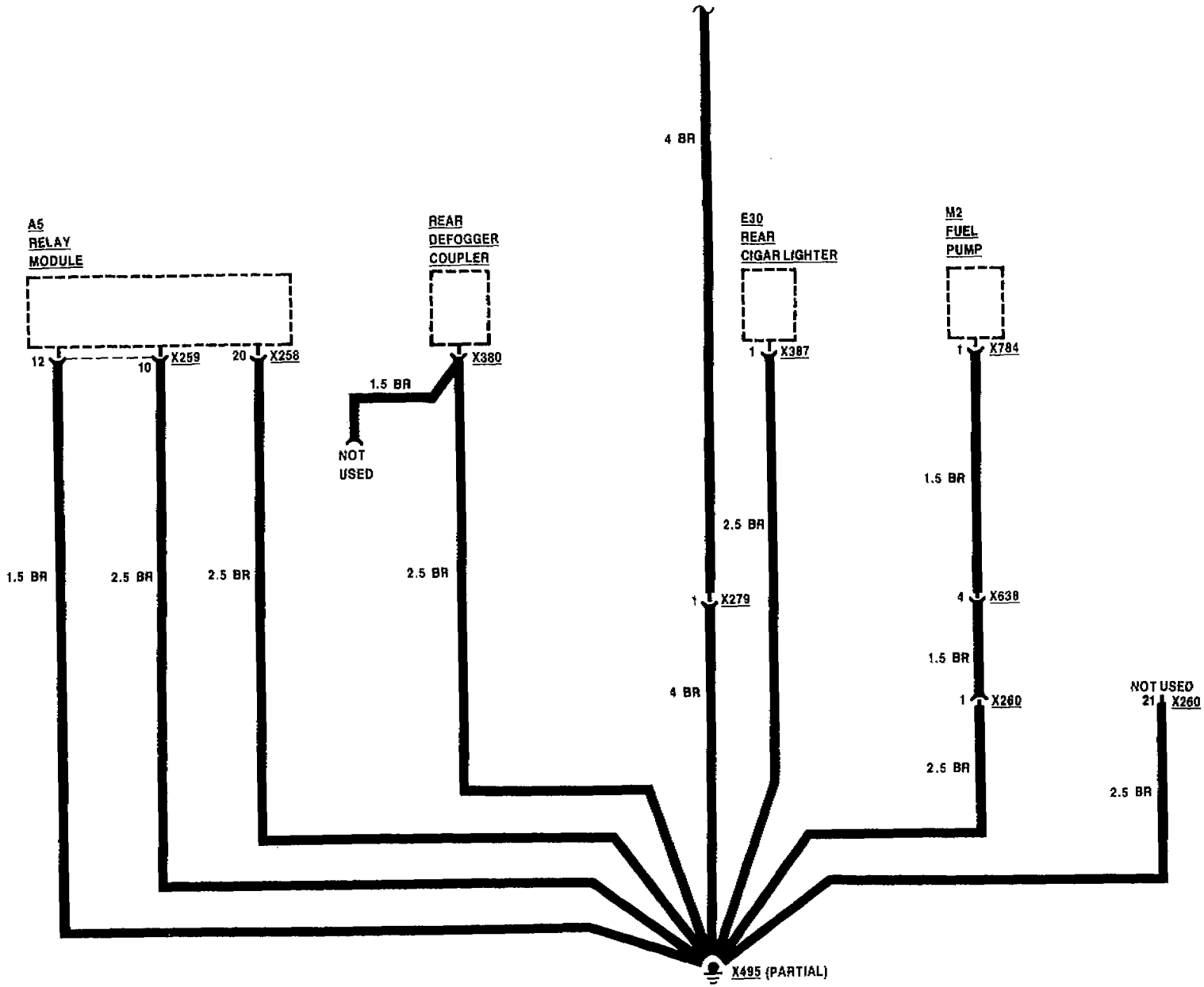
cardiagn.com

GROUND DISTRIBUTION

GROUND X495

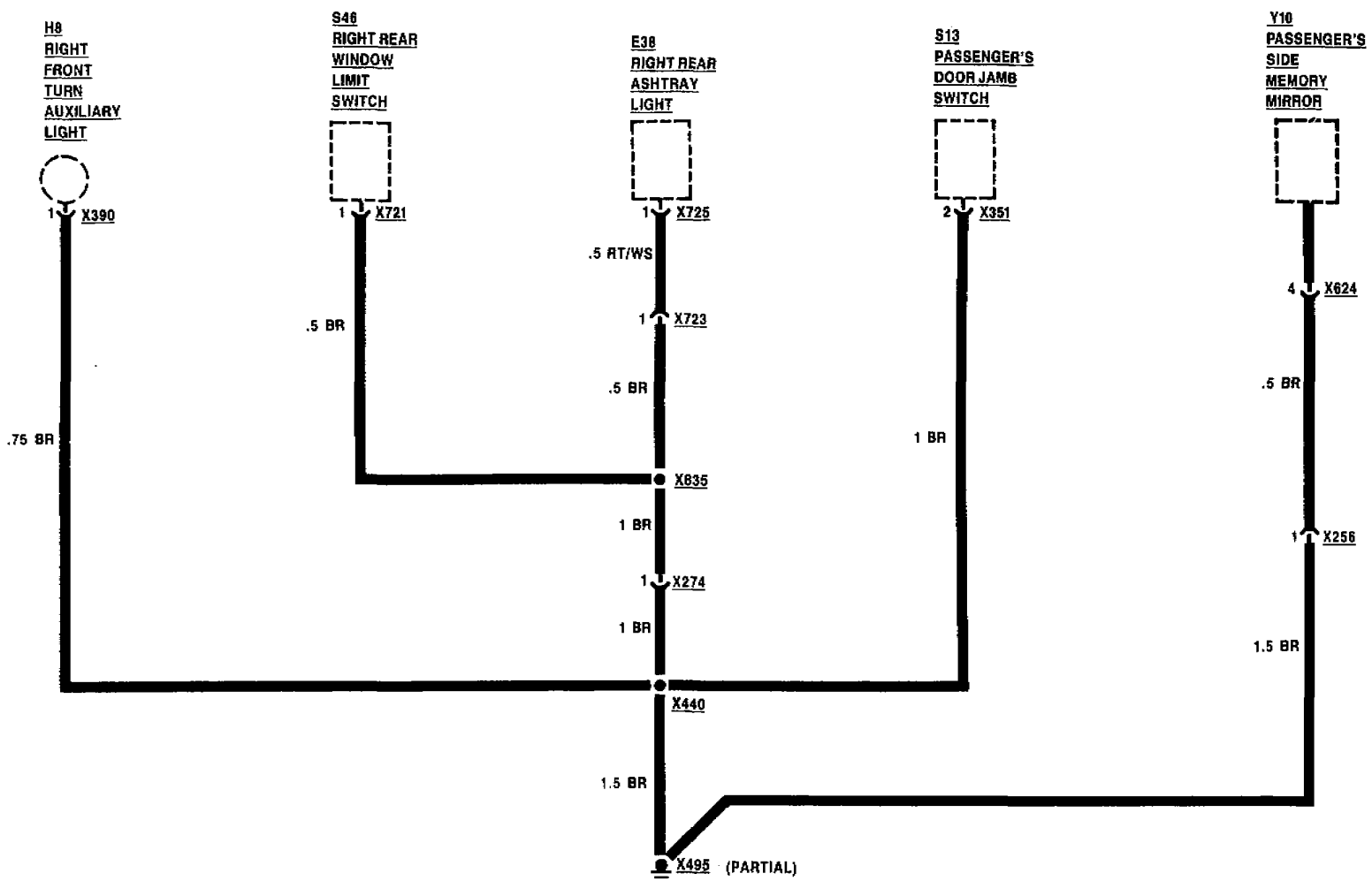


cardiagn.com



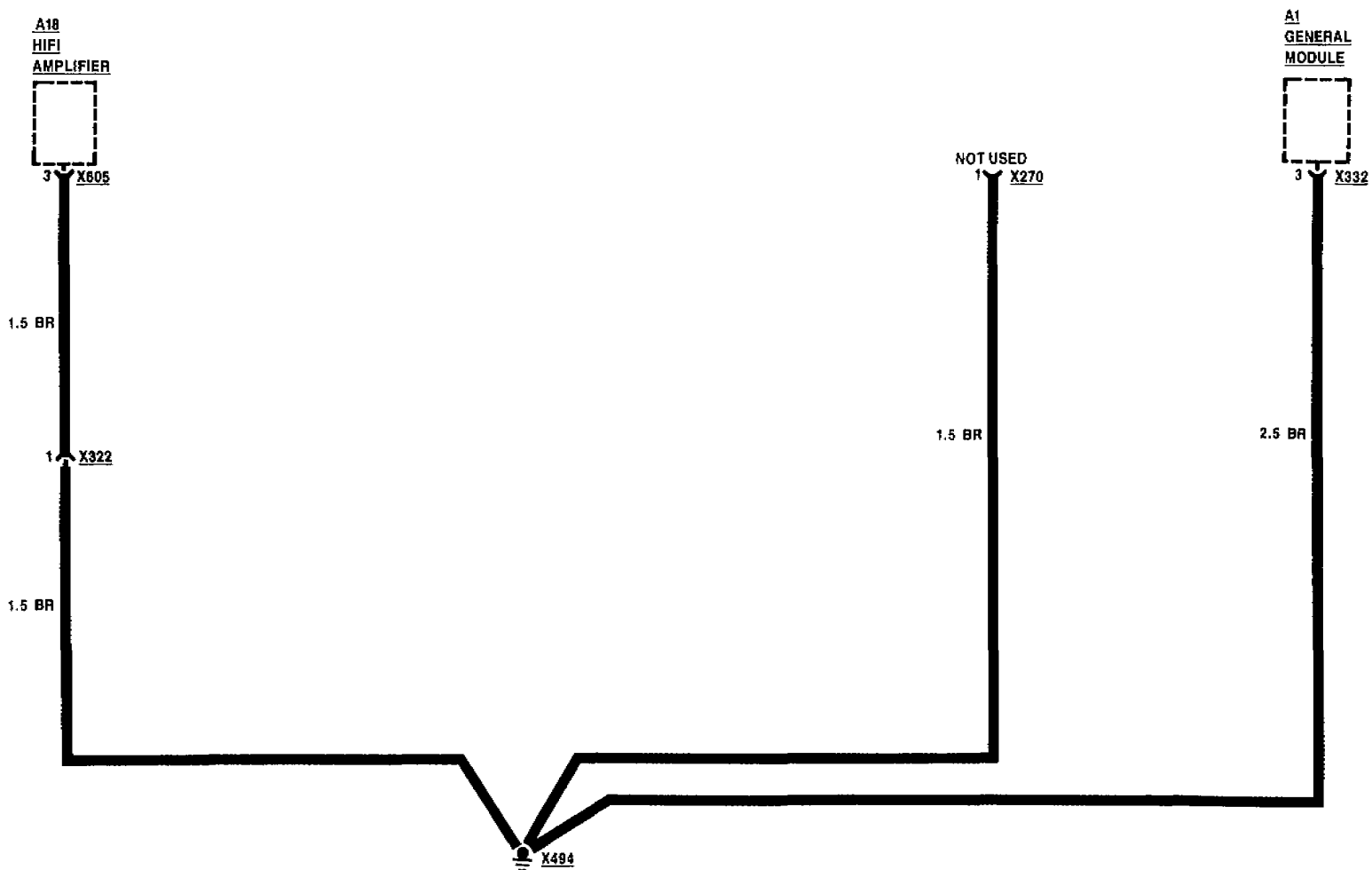
carmanuals.com

GROUND DISTRIBUTION
GROUND X495



cardiagn.com

GROUND DISTRIBUTION
GROUND X494

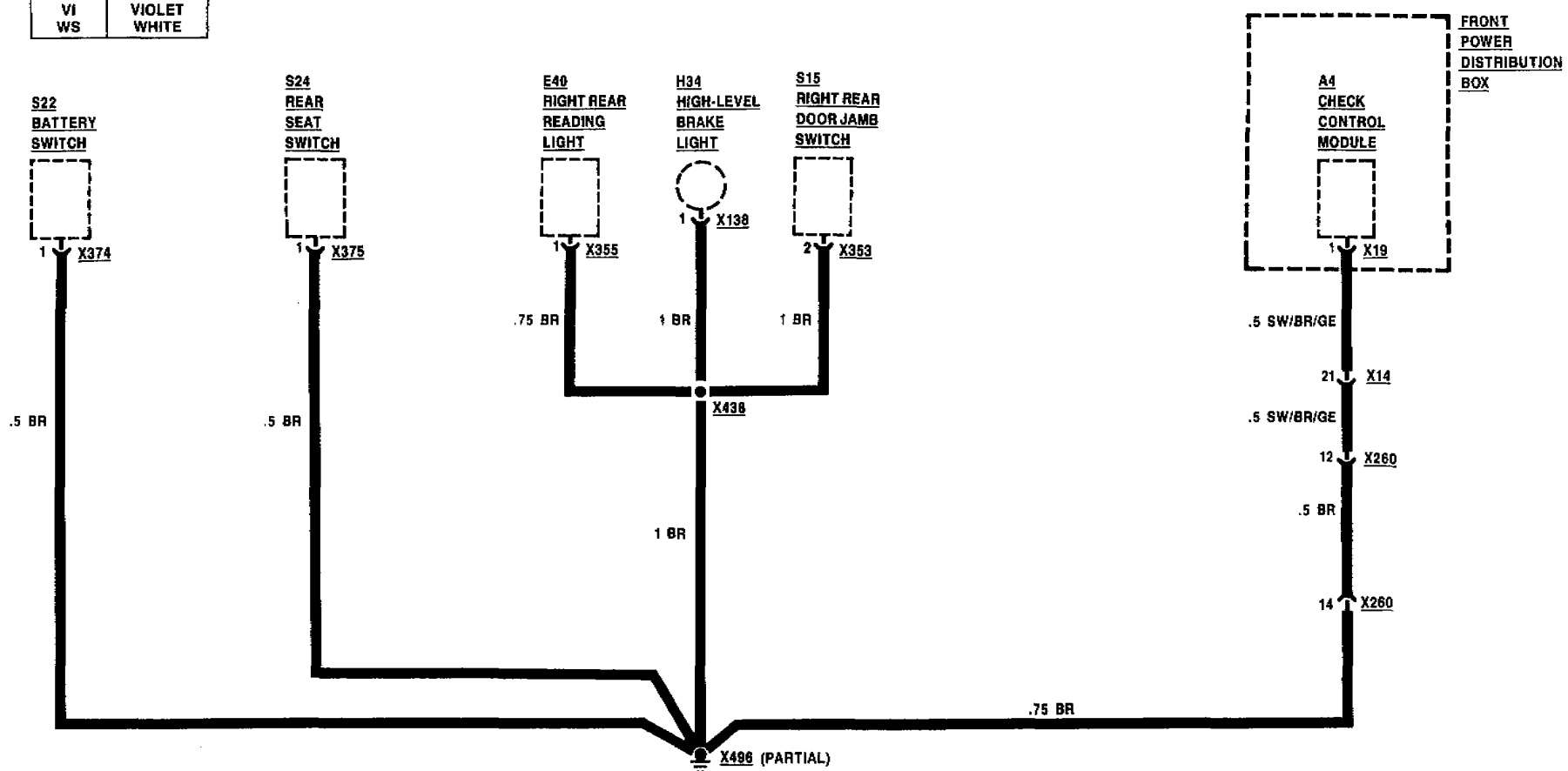


cardiagn.com

GROUND DISTRIBUTION

GROUND X496

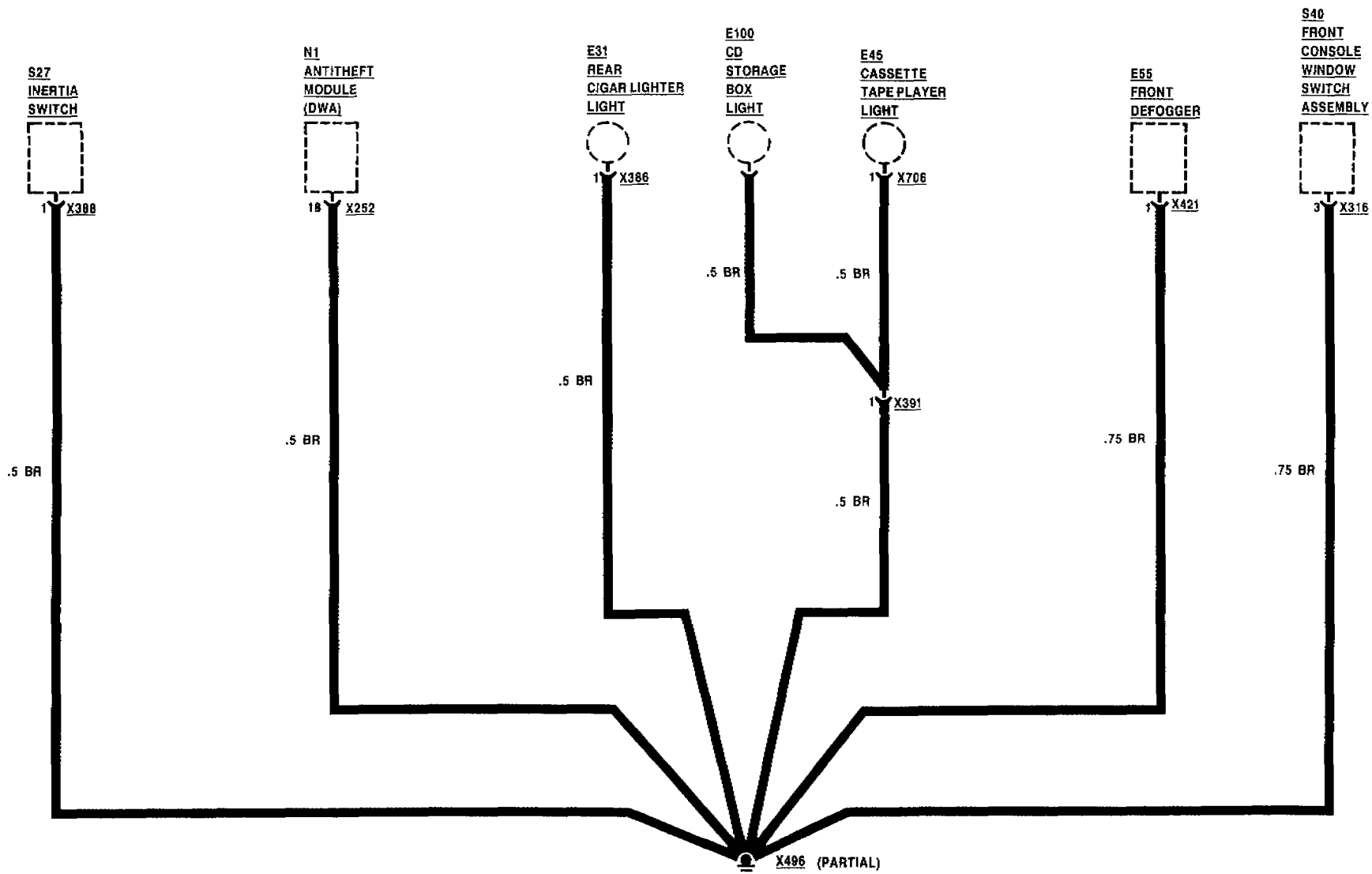
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE



cardiagn.com

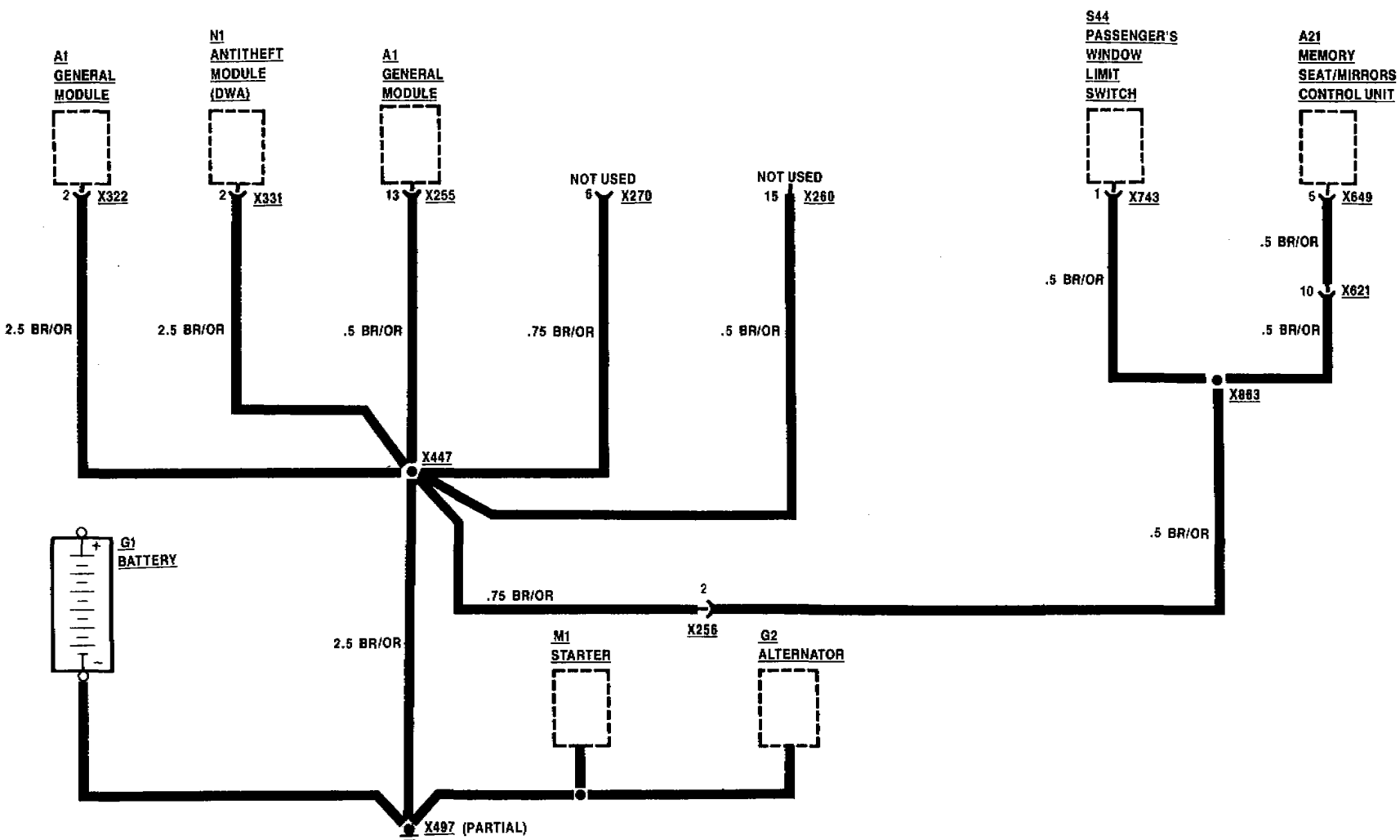
GROUND DISTRIBUTION

GROUND X496



cardiagn.com

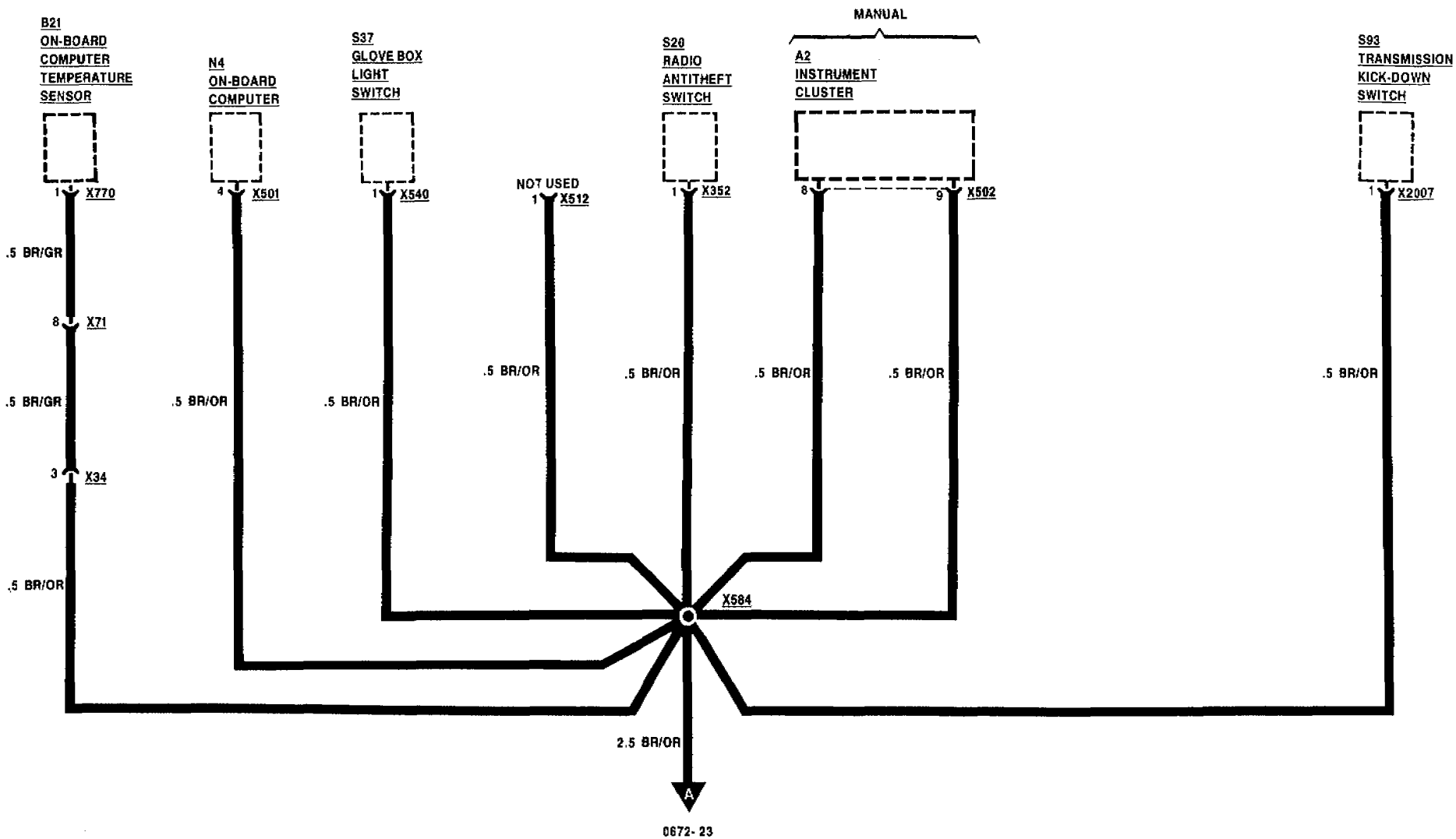
GROUND DISTRIBUTION
GROUND X497



cardiagn.com

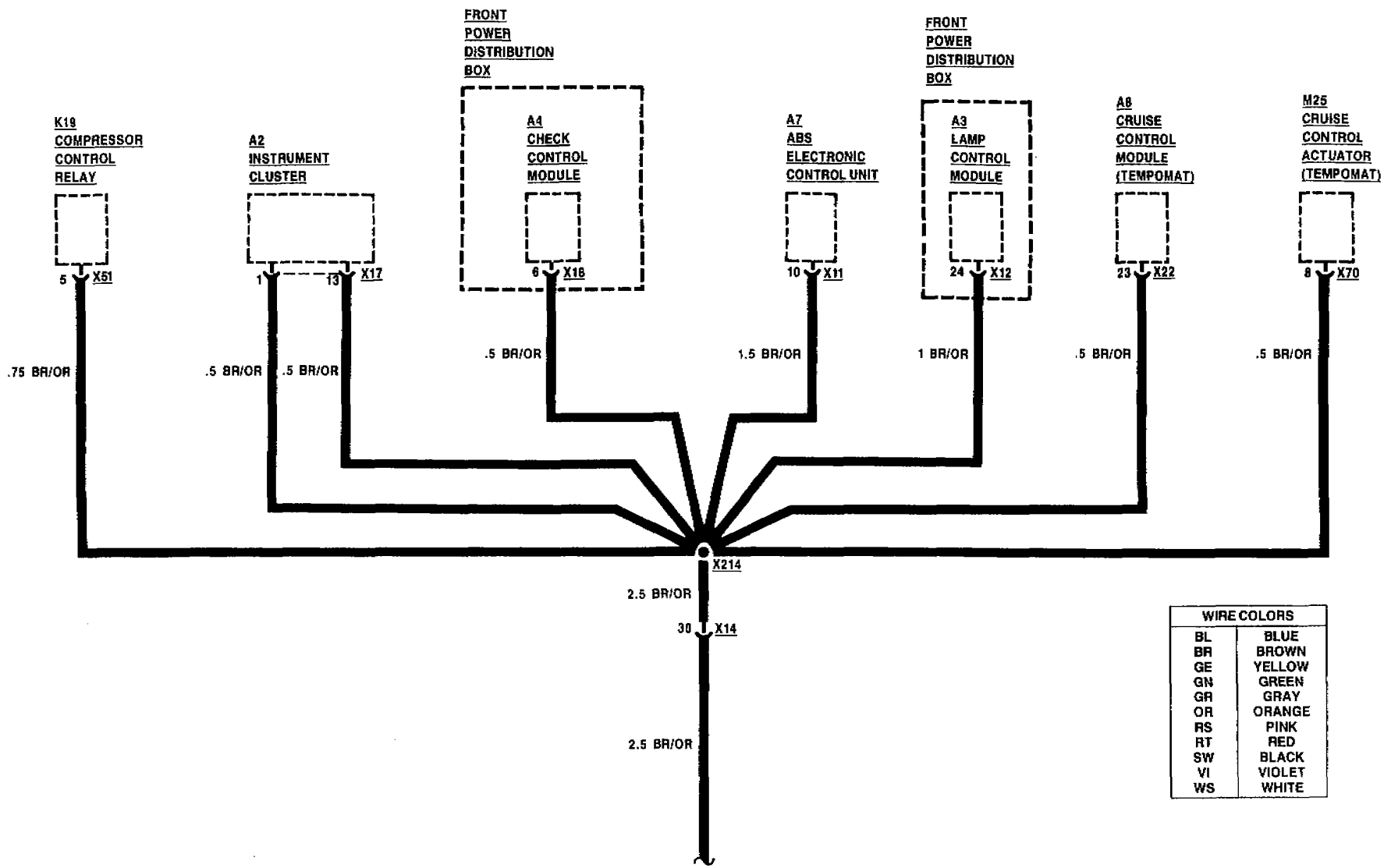
GROUND DISTRIBUTION

GROUND X497



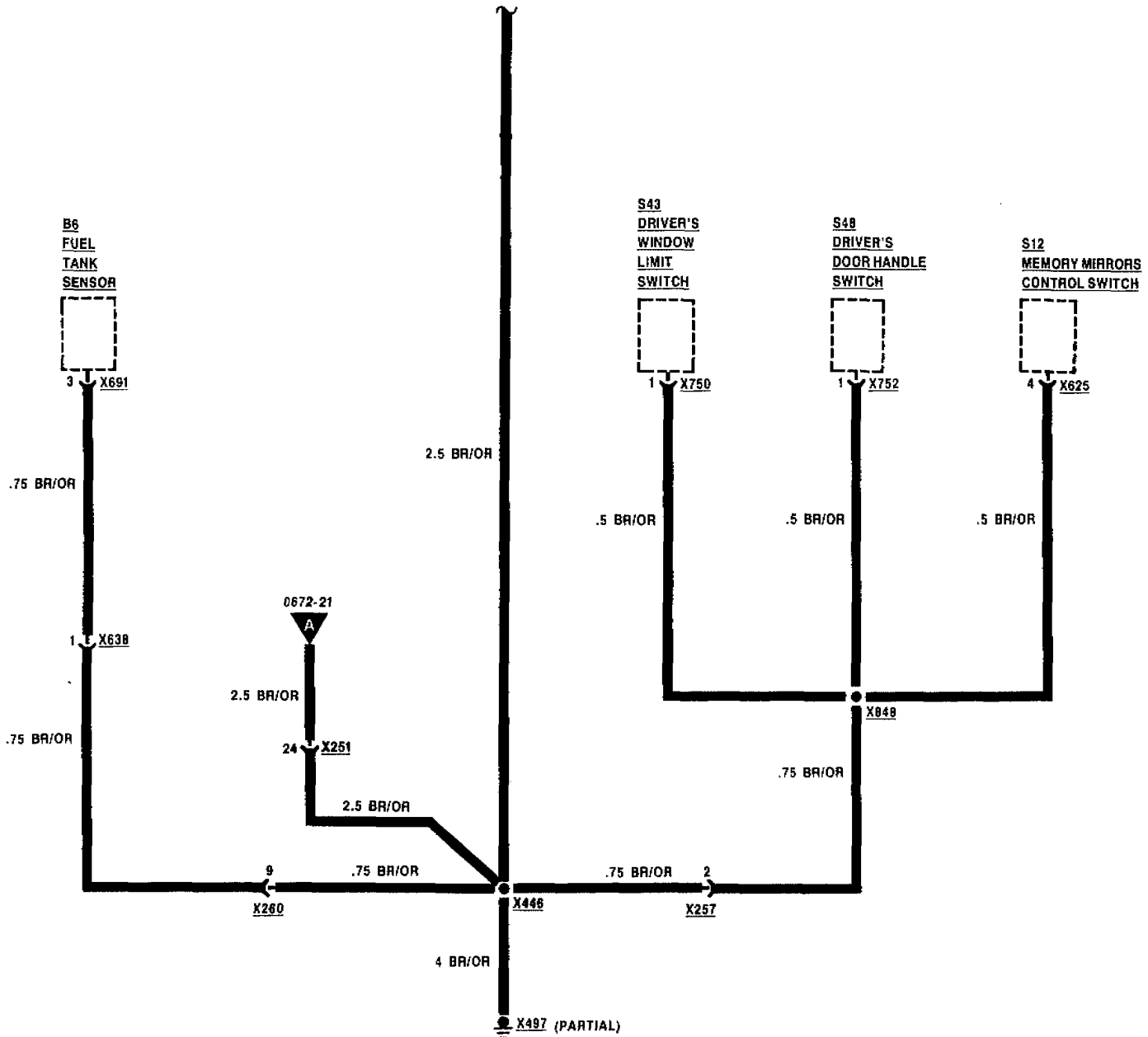
cardiagn.com

GROUND DISTRIBUTION
GROUND X497



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

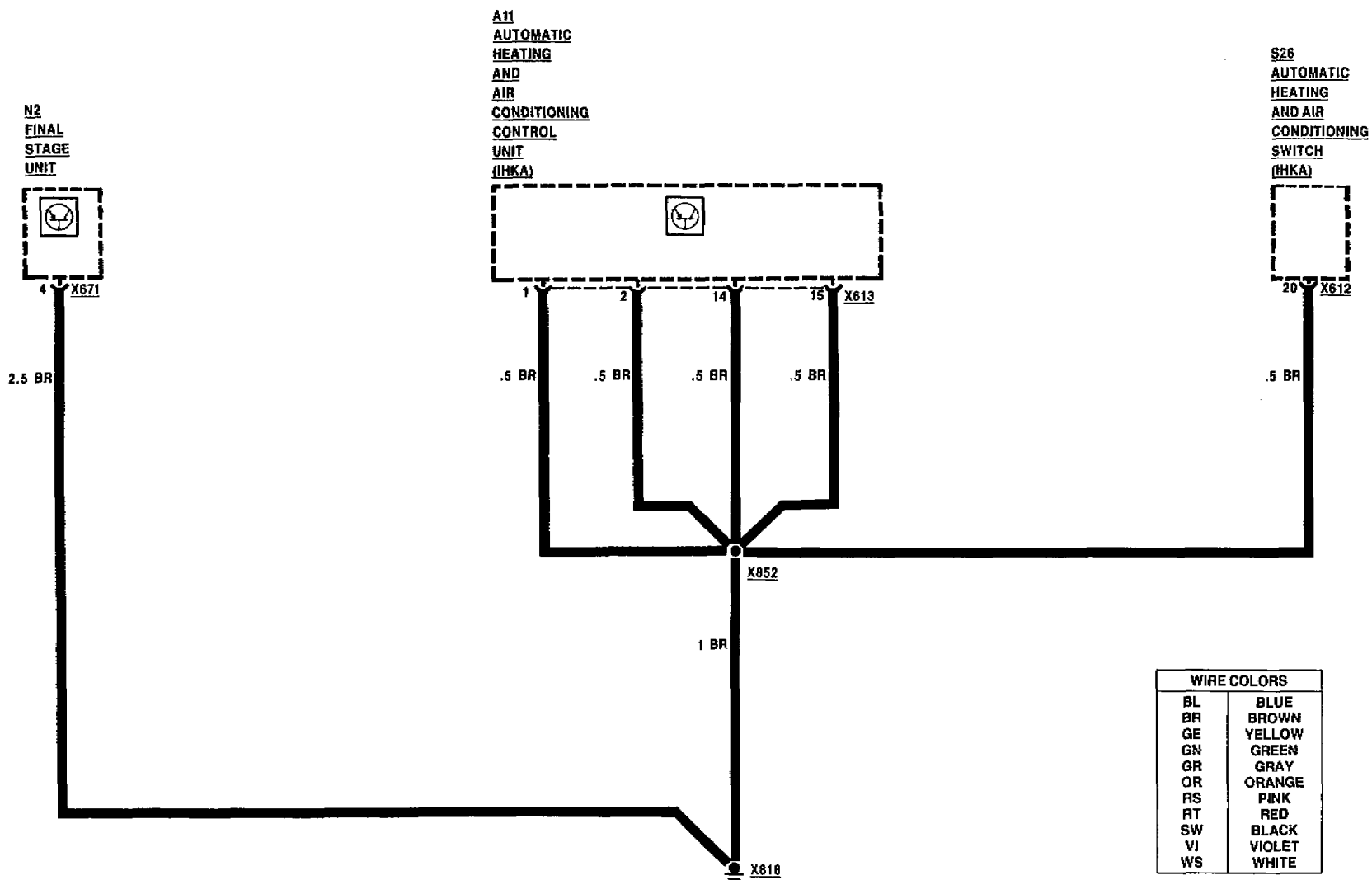
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GROUND DISTRIBUTION

GROUND X818

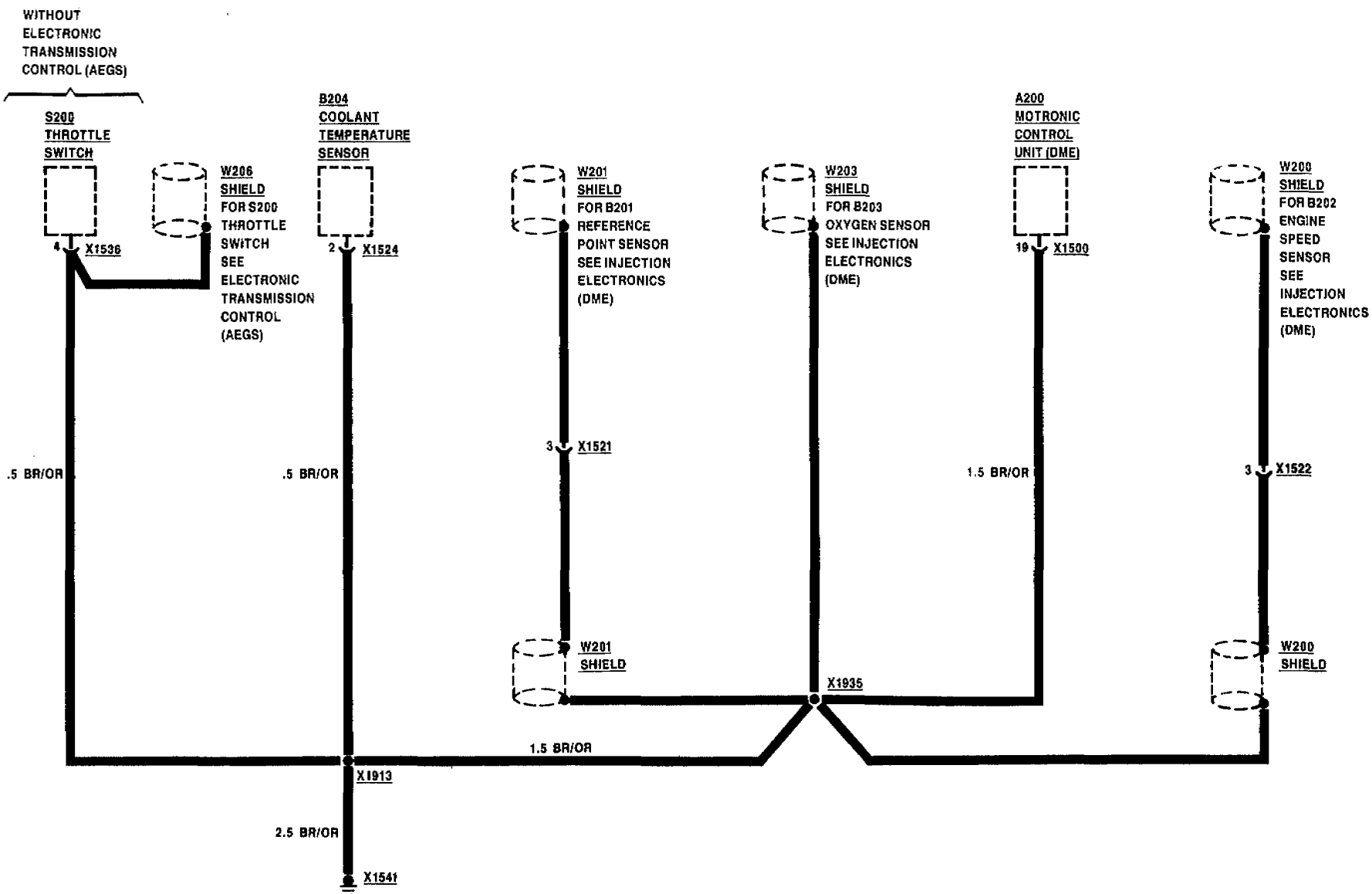


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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GROUND DISTRIBUTION

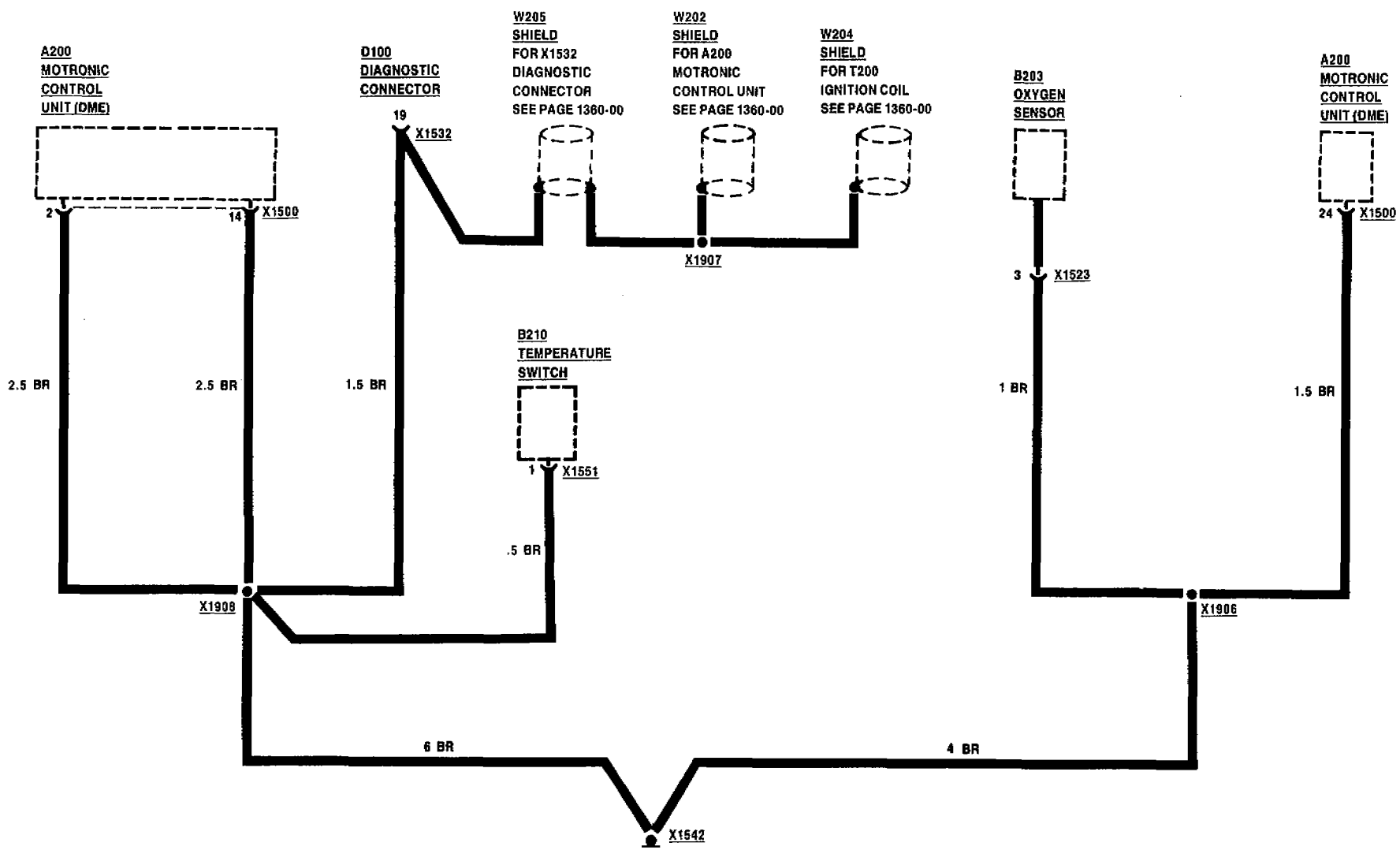
GROUND X1541



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GROUND DISTRIBUTION

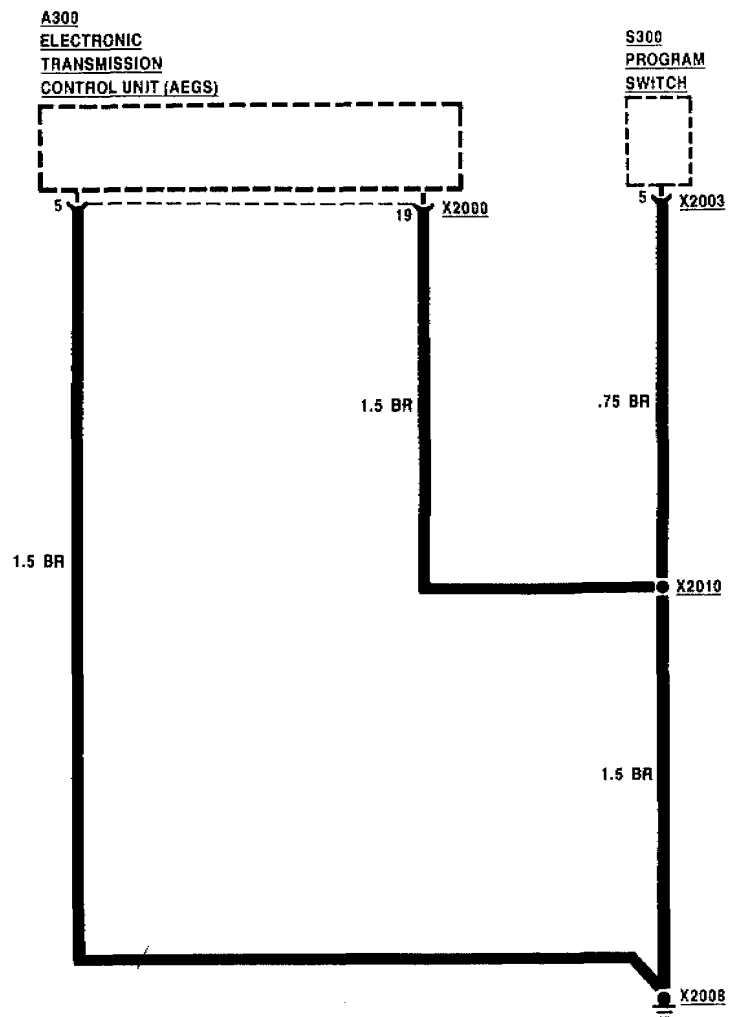
GROUND X1542



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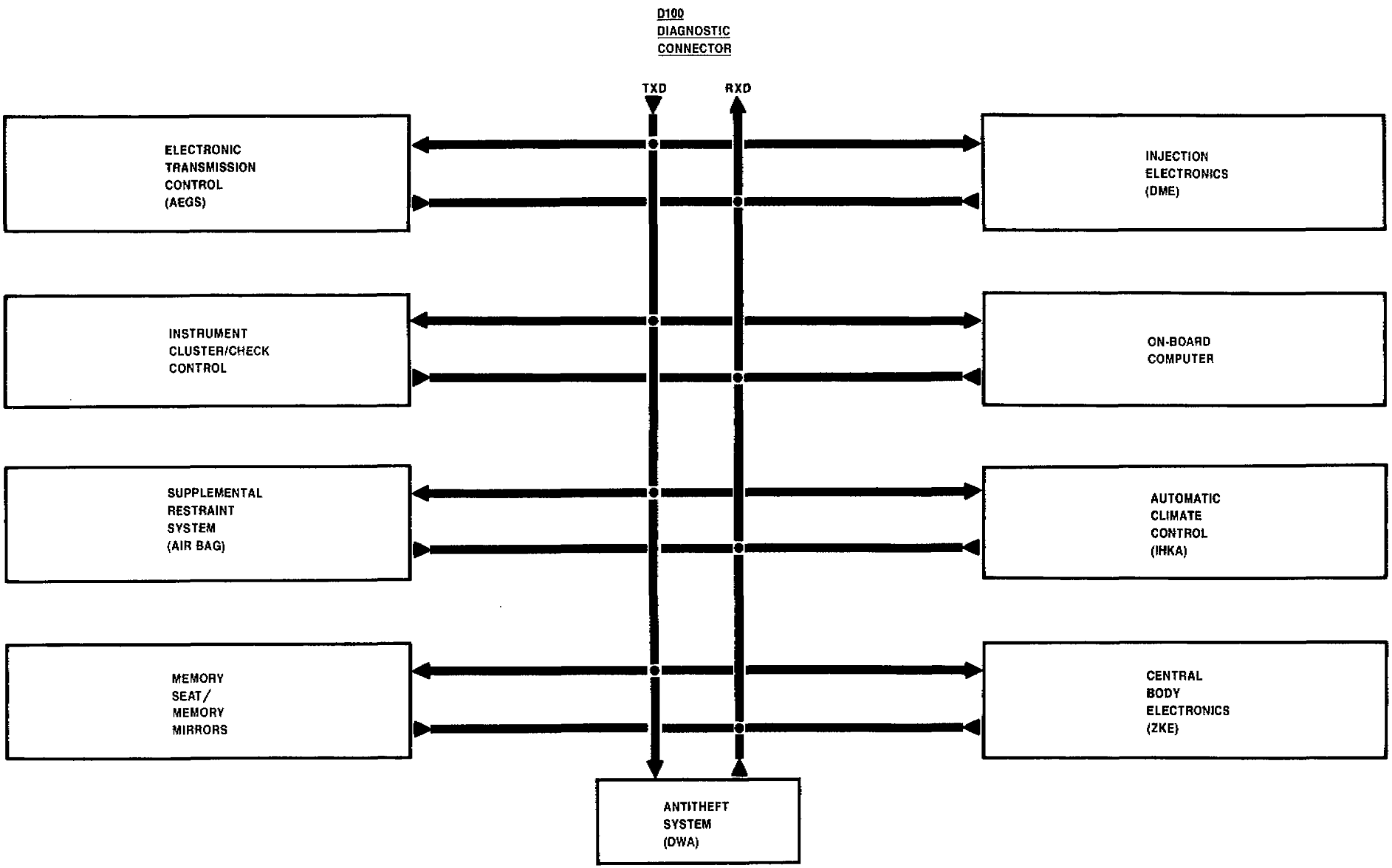
GROUND DISTRIBUTION

GROUND X2008



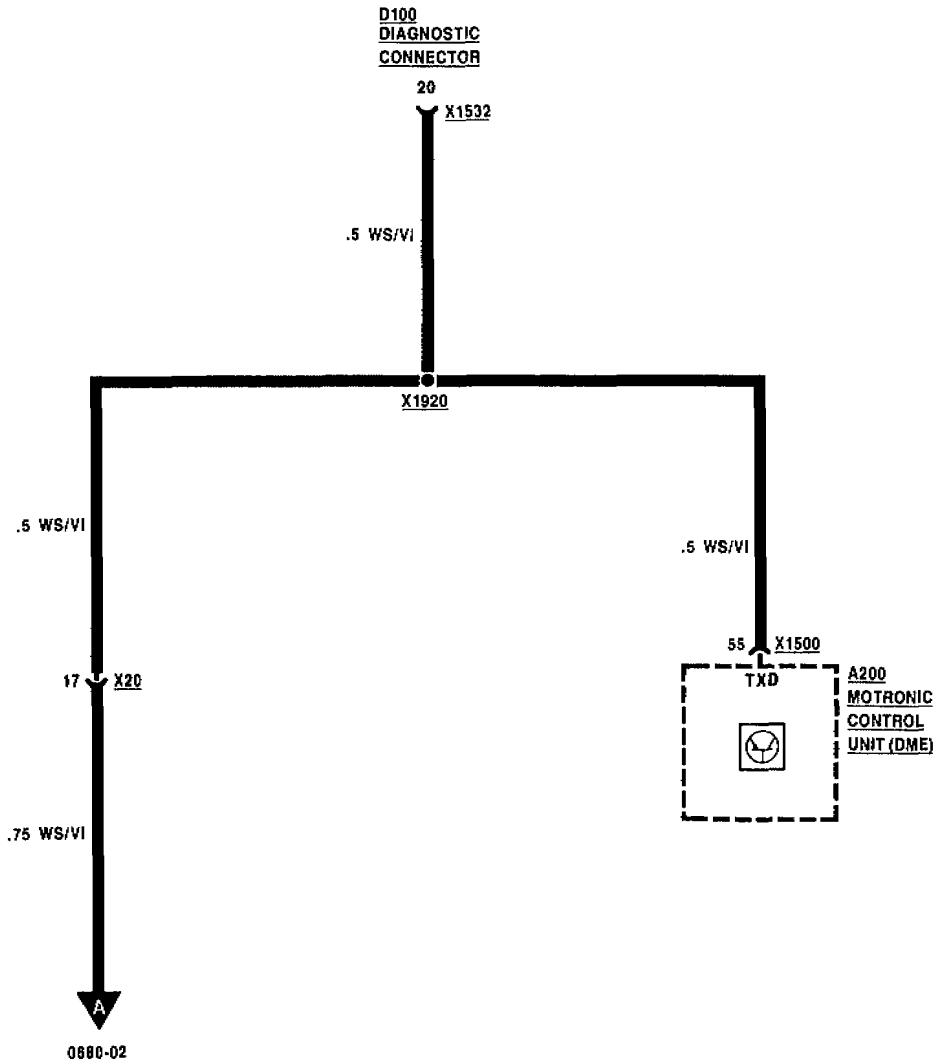
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DIAGNOSTIC LINK
BLOCK DIAGRAM



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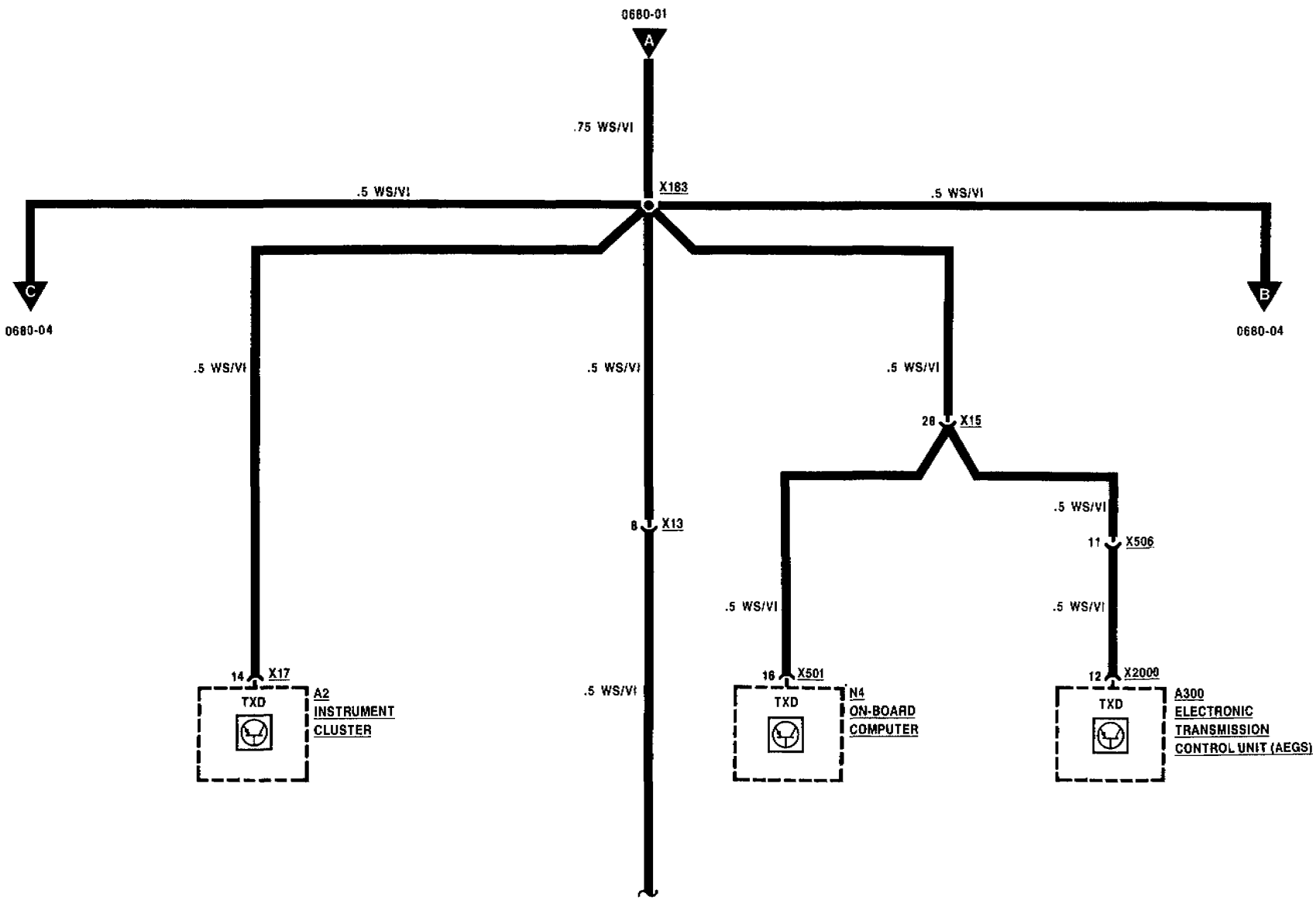
DIAGNOSTIC LINK
TXD



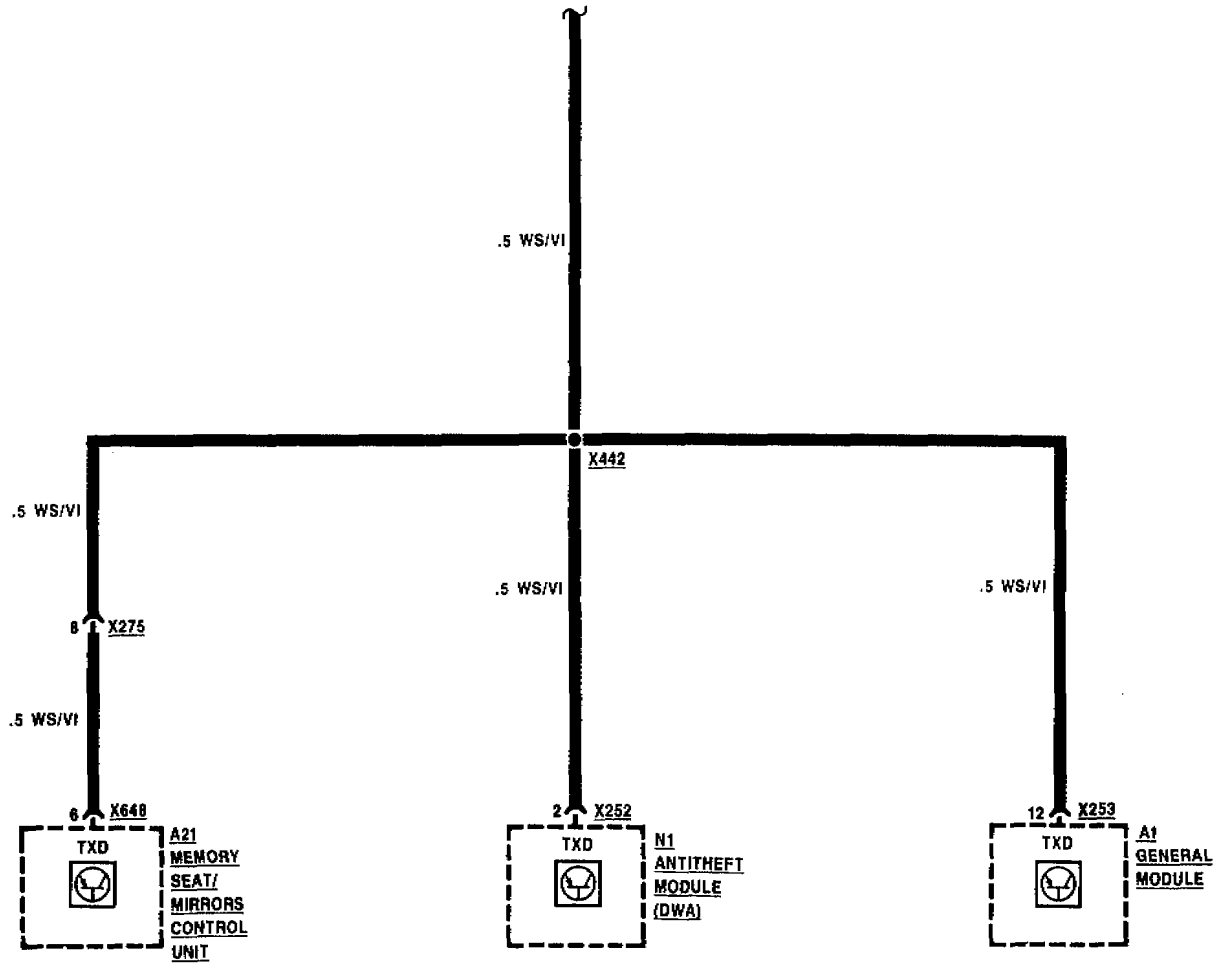
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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DIAGNOSTIC LINK
TXD



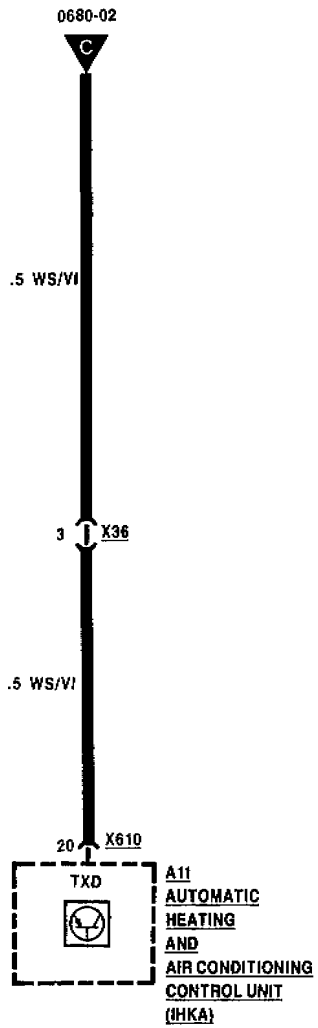
cardiagn.com

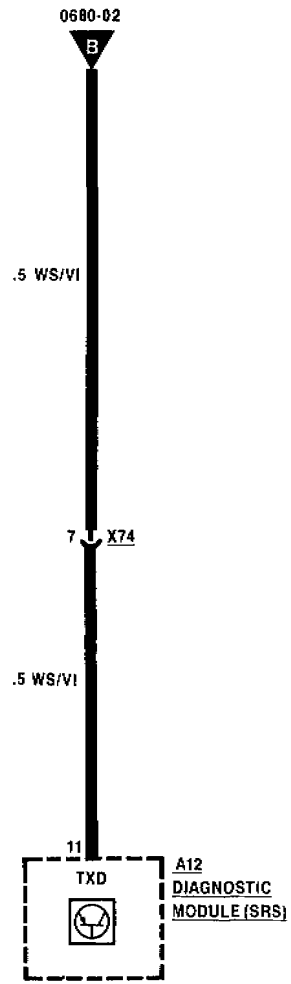


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

DIAGNOSTIC LINK
TXD

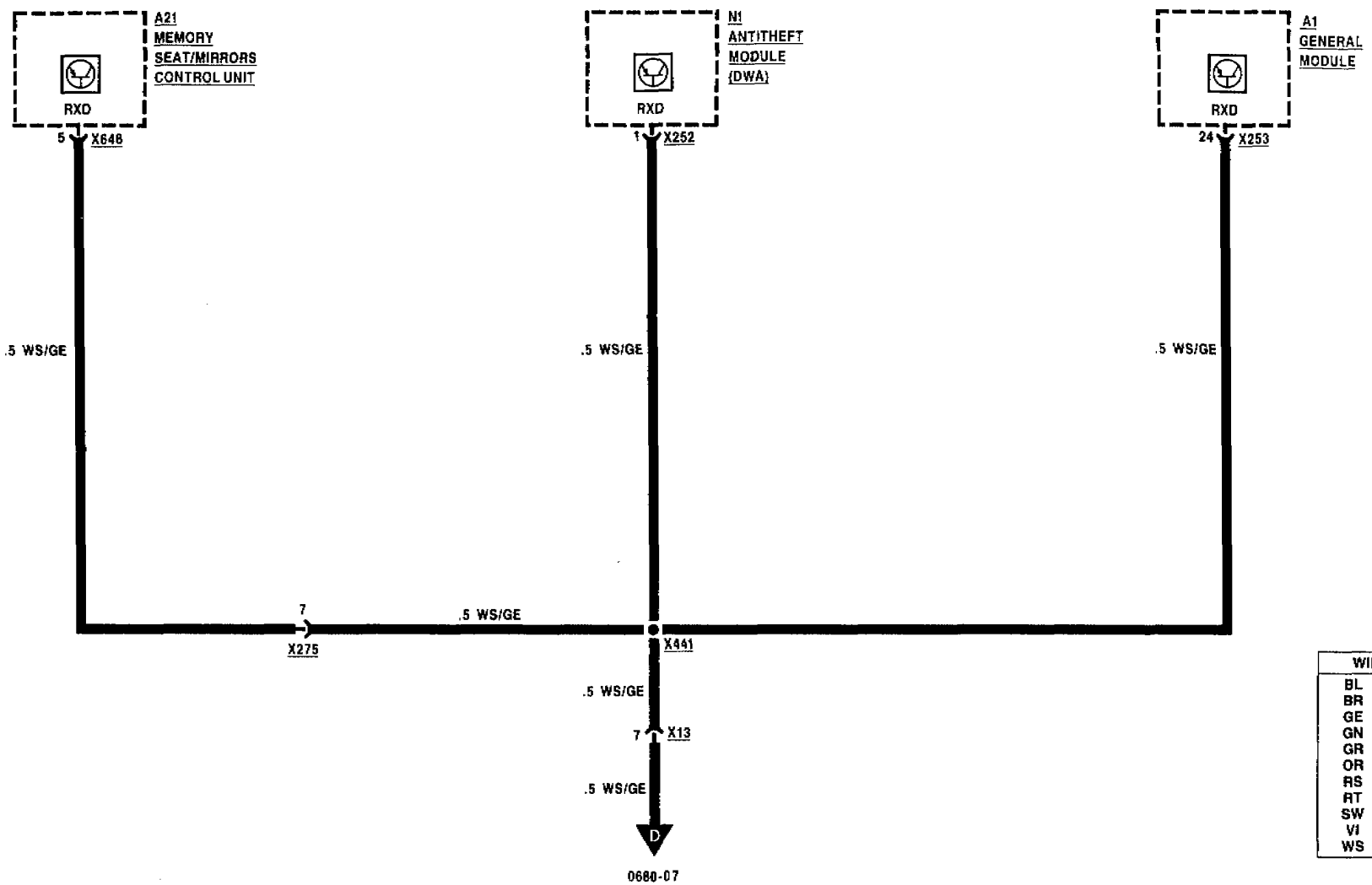




WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carDiagn.com

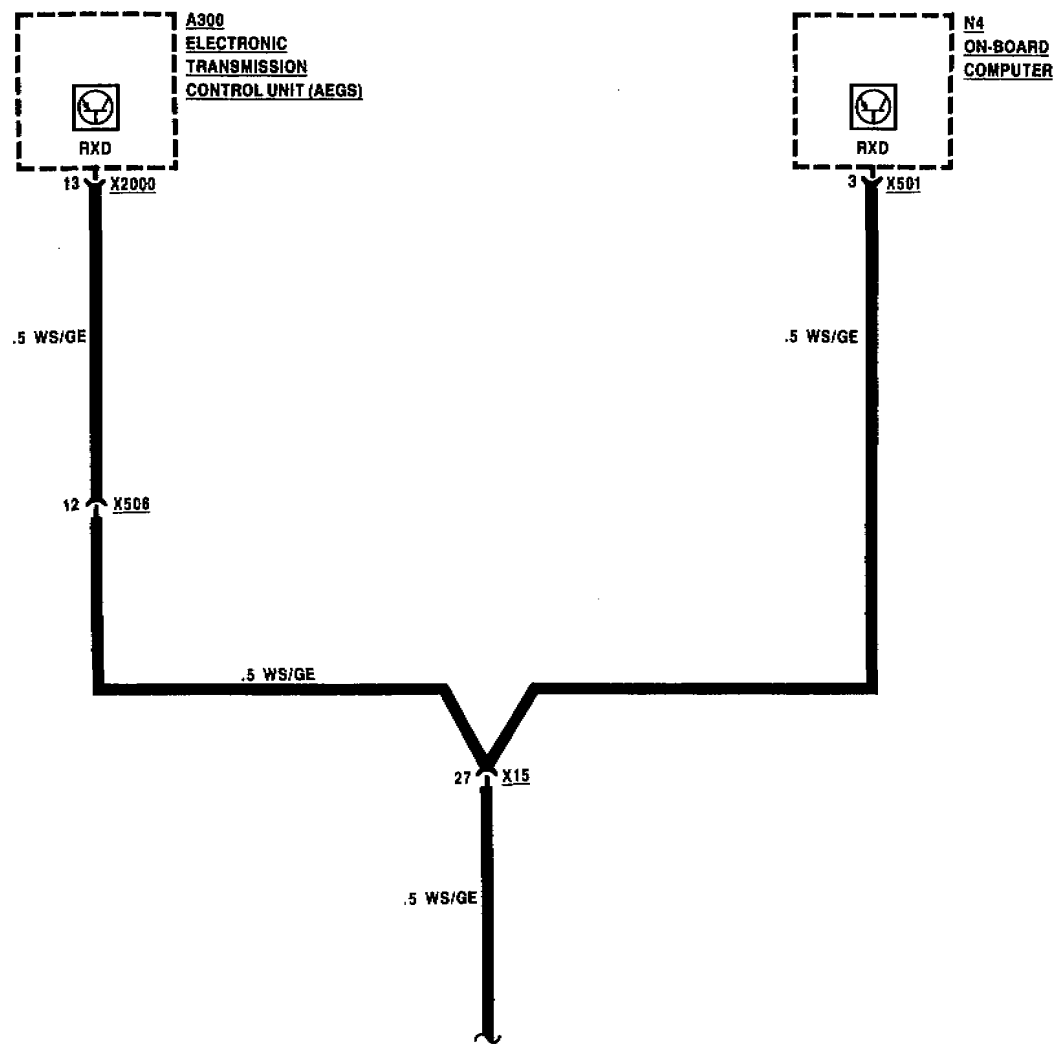
DIAGNOSTIC LINK
RXD



WIRE COLORS	
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GN	GREEN
GR	GRAY
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RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

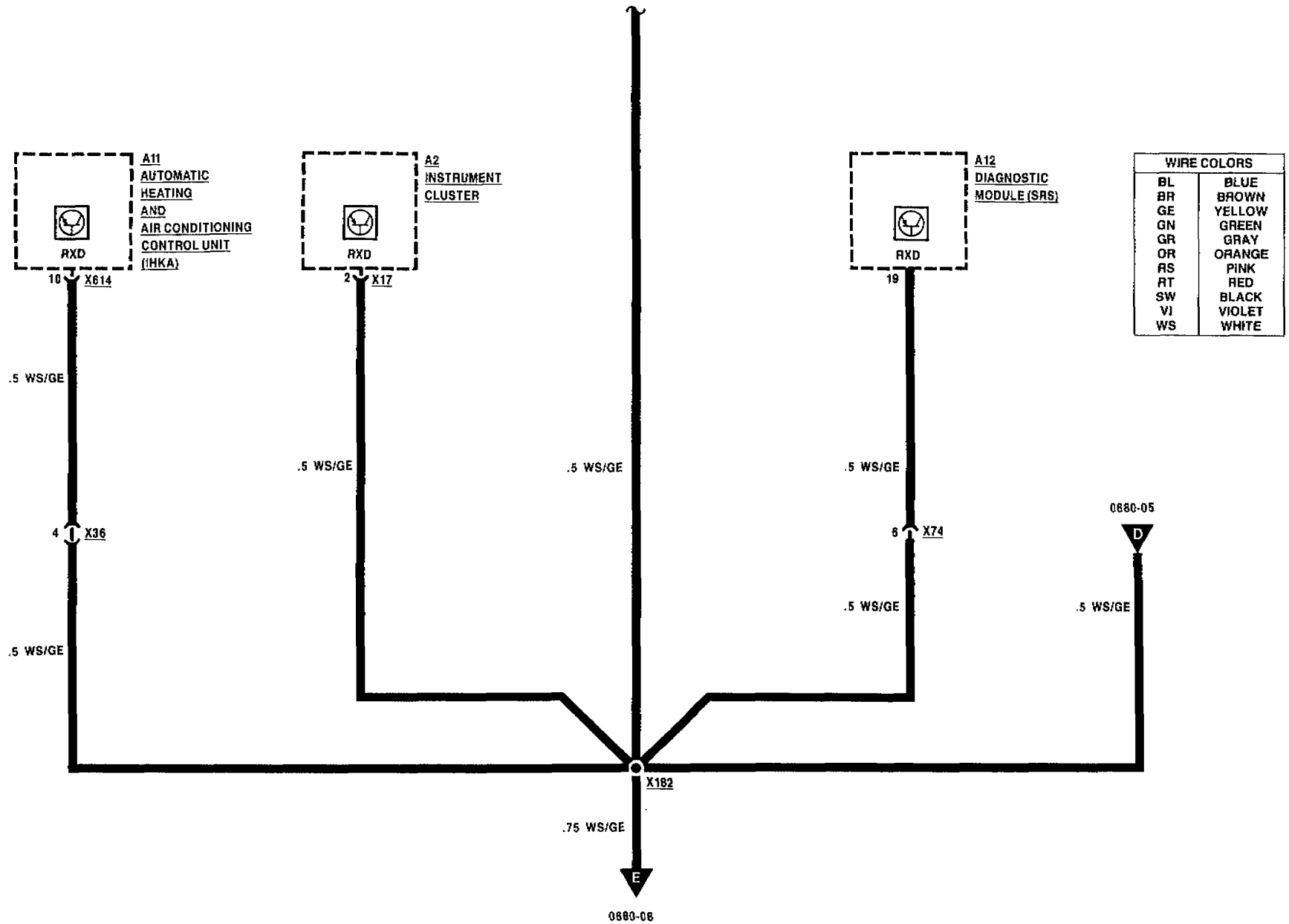
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DIAGNOSTIC LINK
RXD



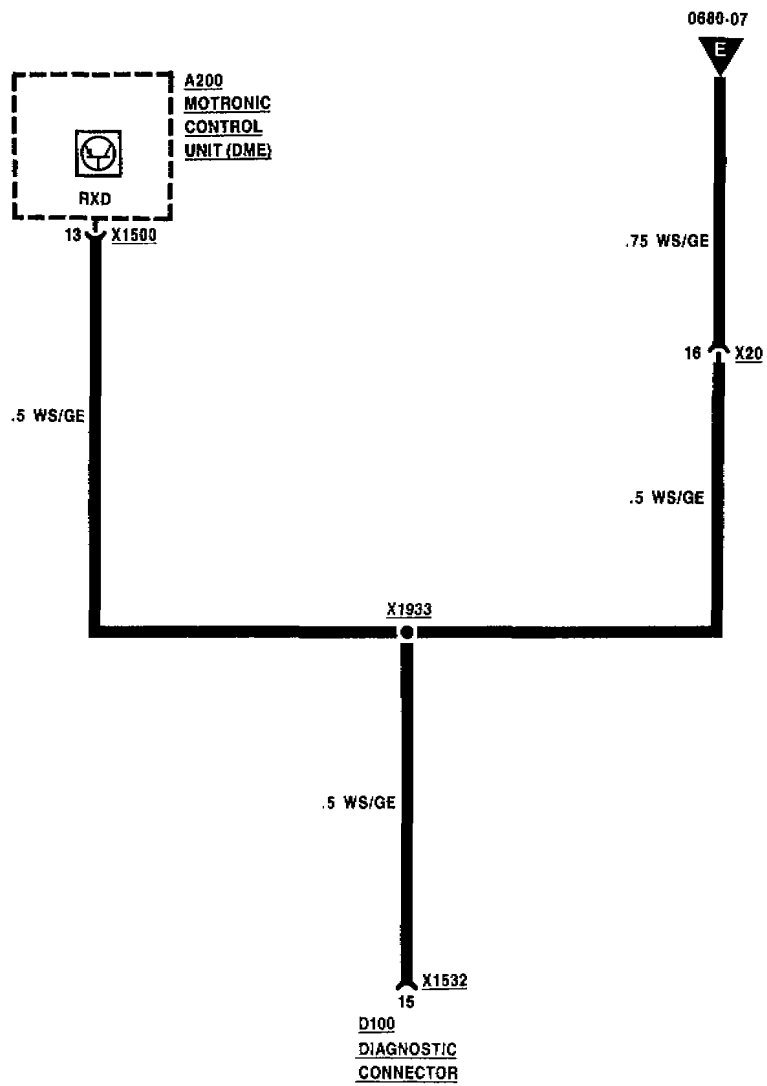
WIRE COLORS	
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GE	YELLOW
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OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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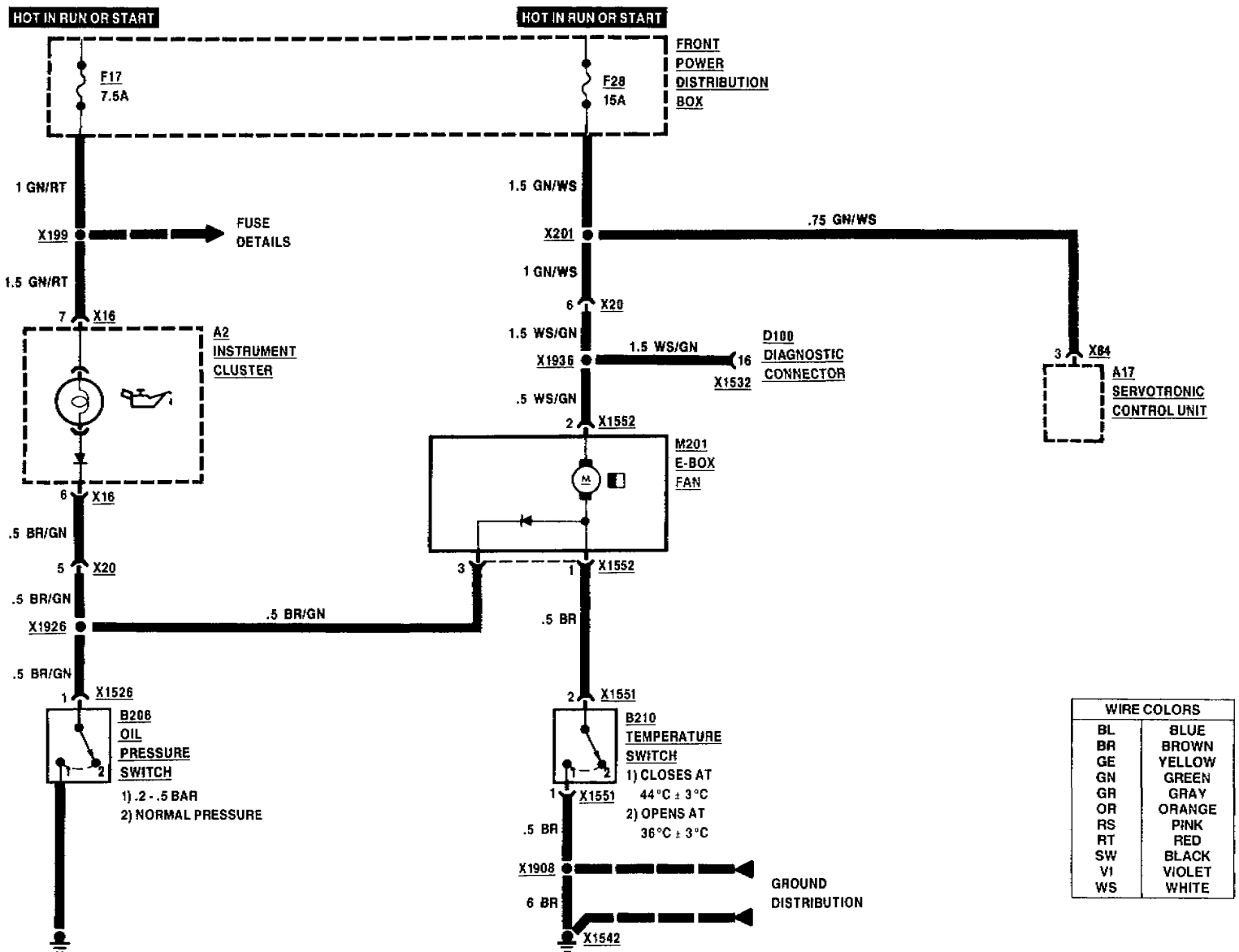
DIAGNOSTIC LINK
RXD



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

cardiagn.com

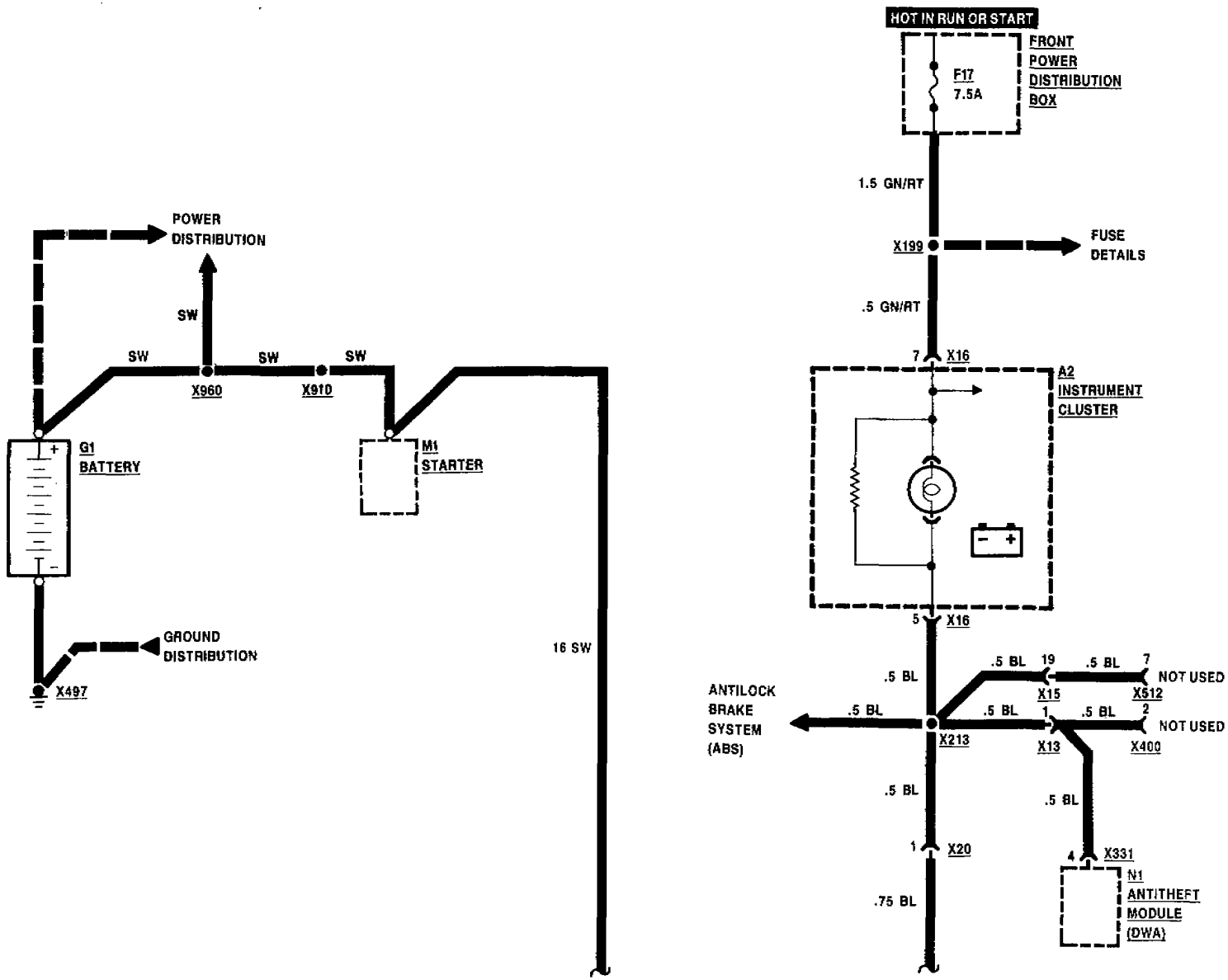
E-BOX FAN



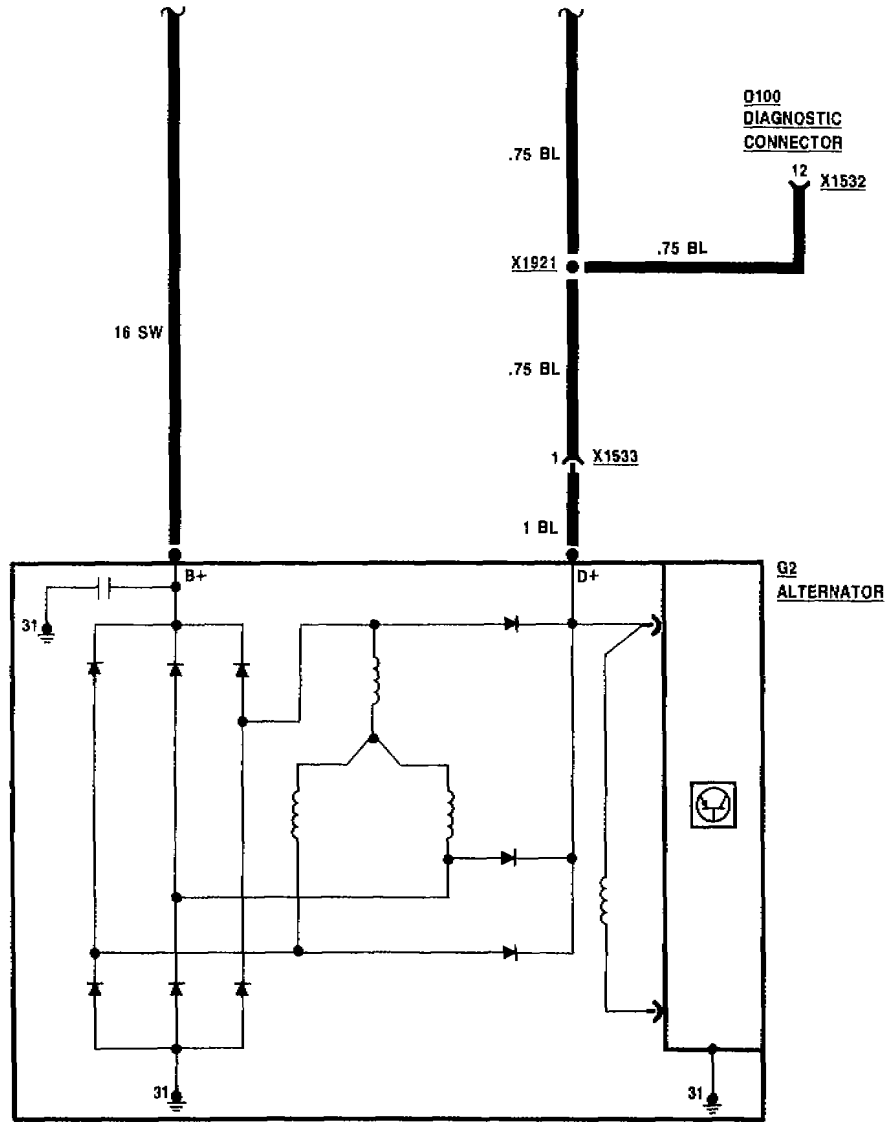
WIRE COLORS	
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GE	YELLOW
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RS	PINK
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VI	VIOLET
WS	WHITE

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CHARGING SYSTEM



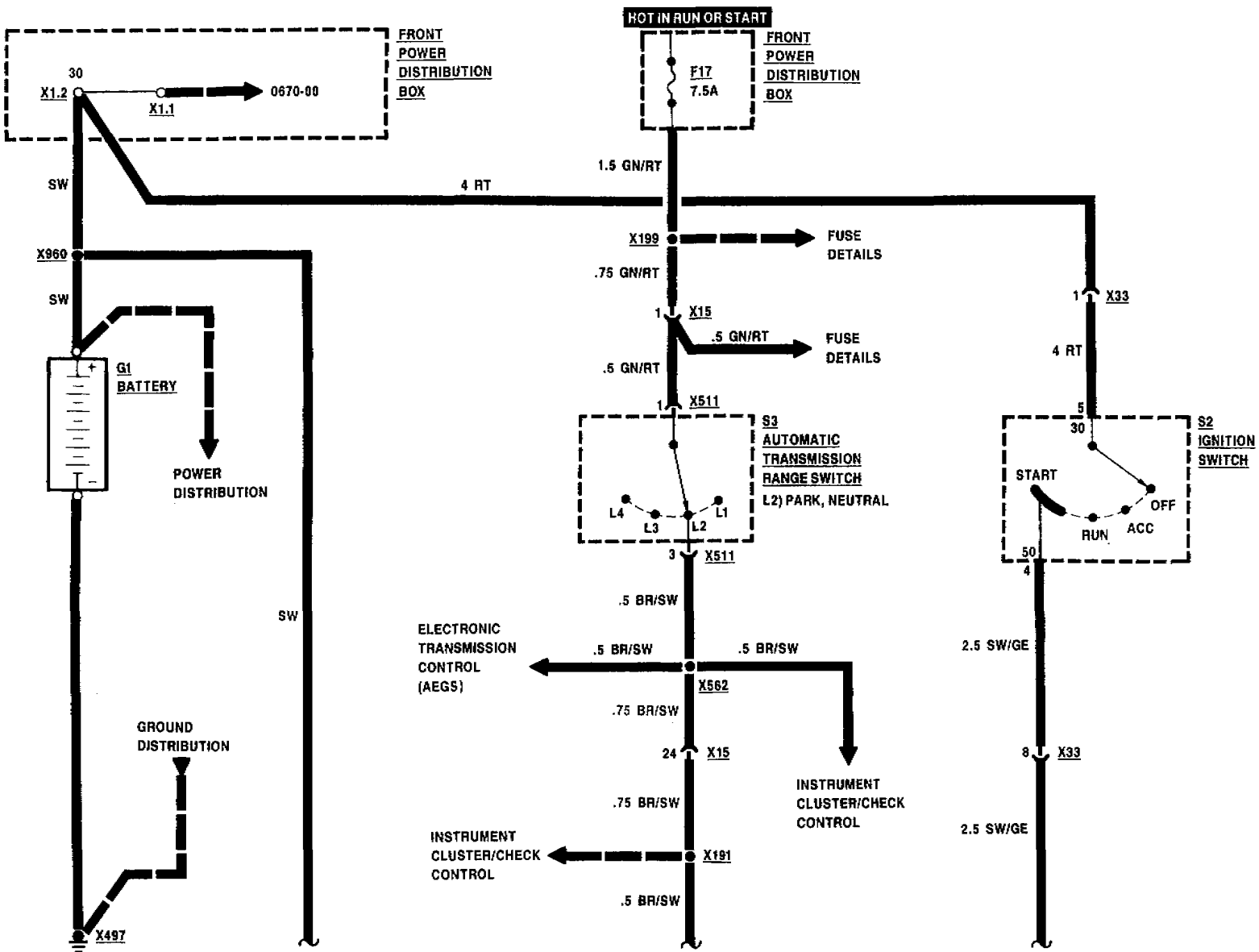
carplagn.com



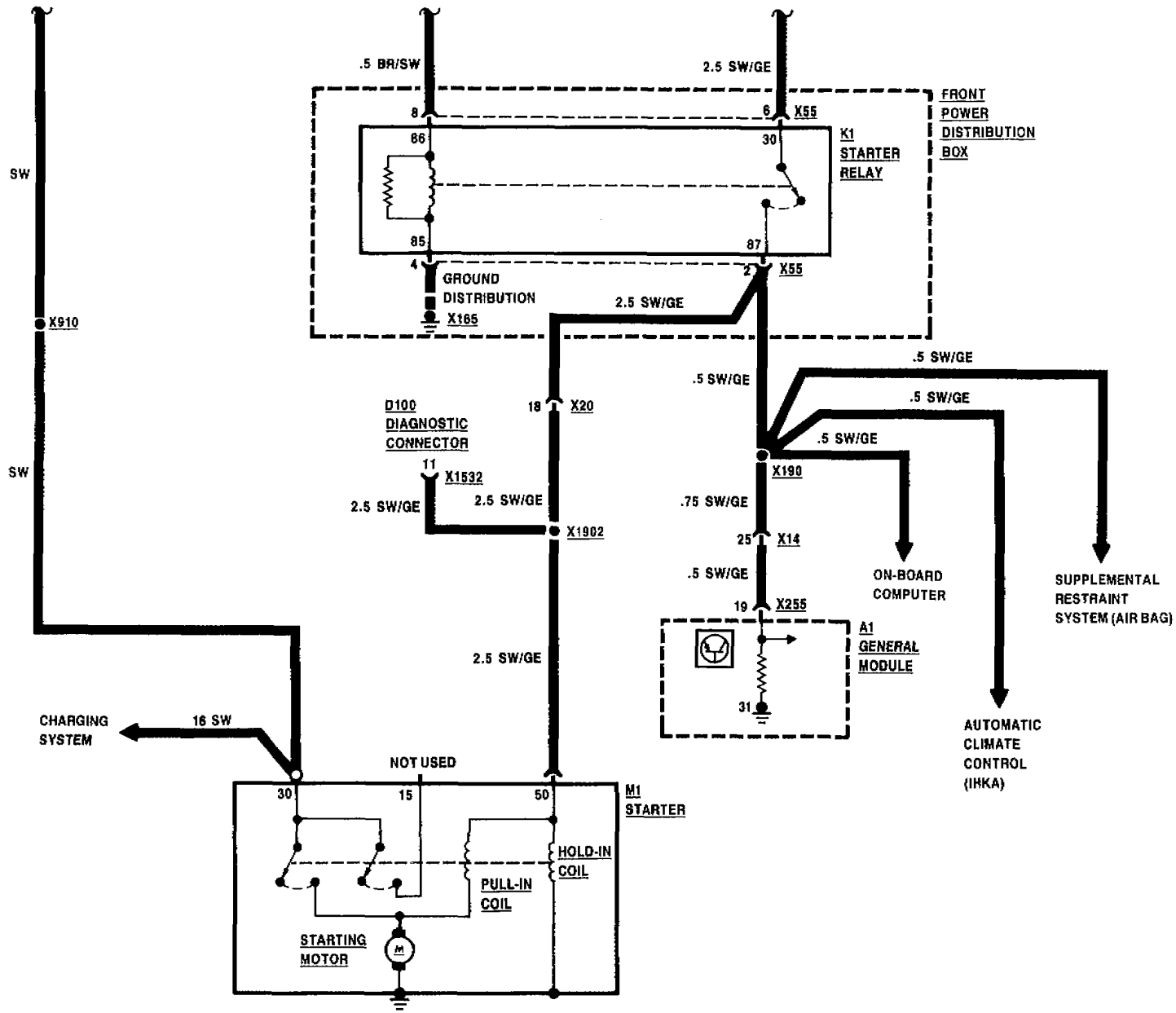
WIRE COLORS	
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GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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START
AUTOMATIC TRANSMISSION



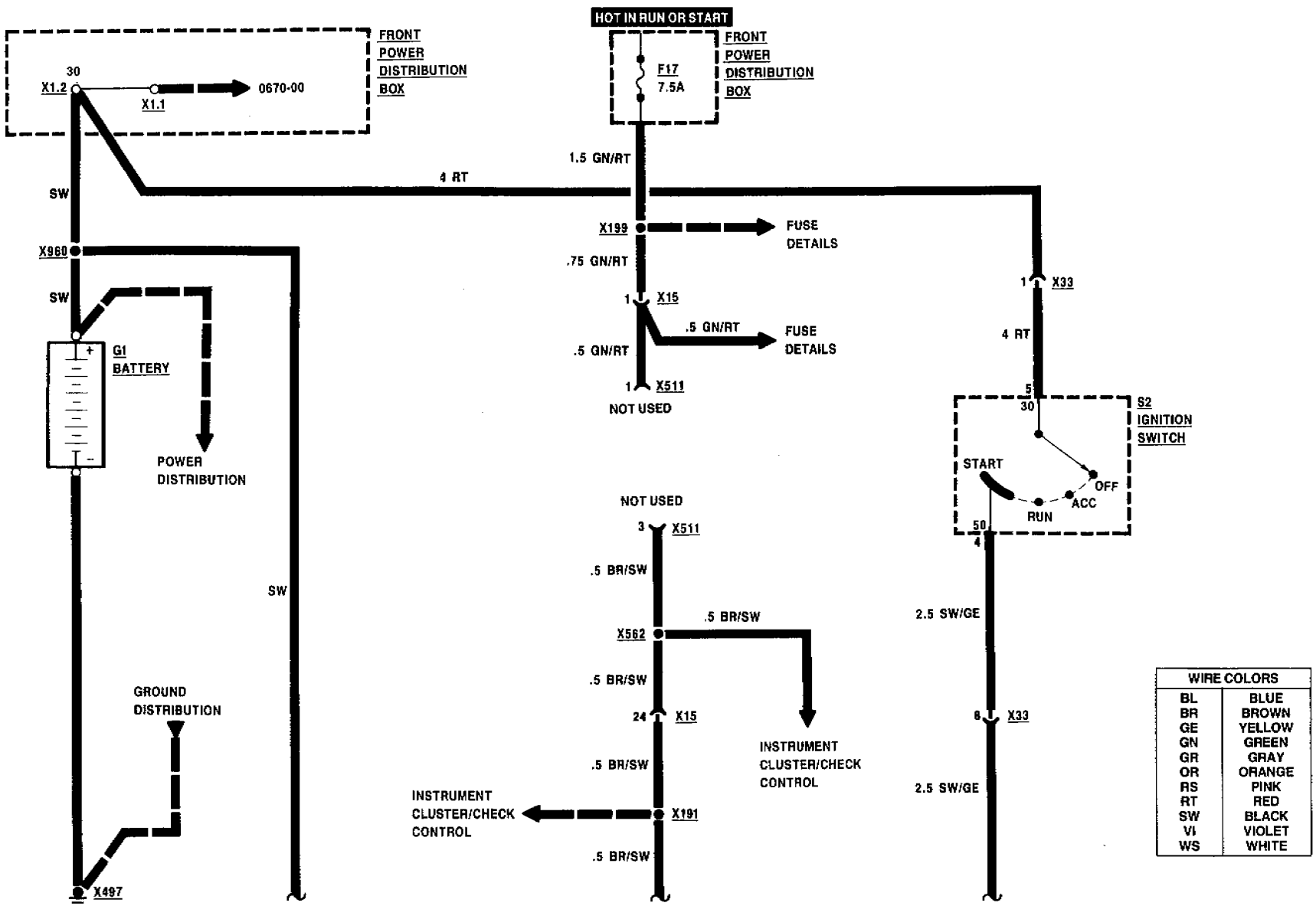
cardiagn.com



WIRE COLORS	
BL	BLUE
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

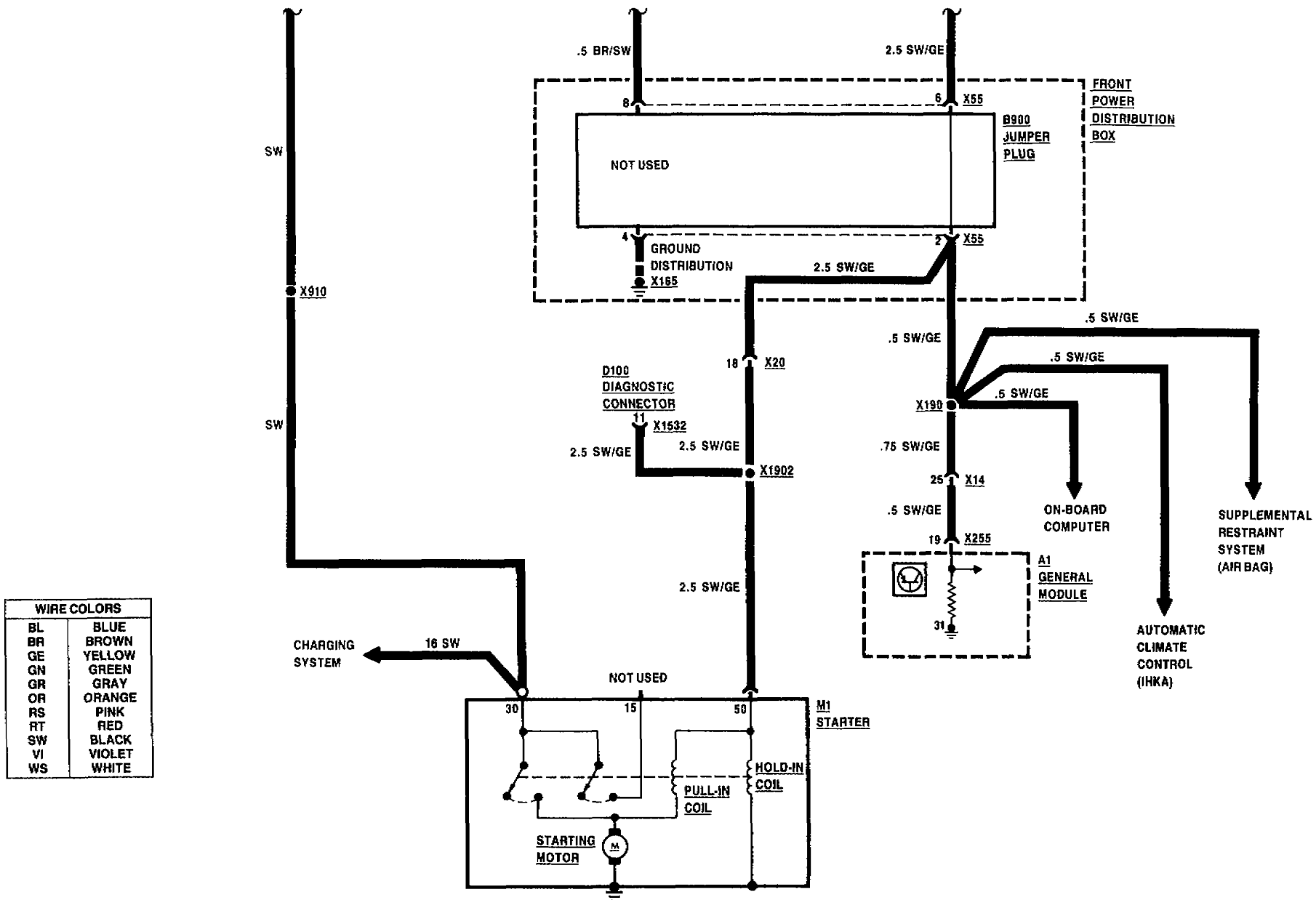
cardiagn.com

START
MANUAL TRANSMISSION



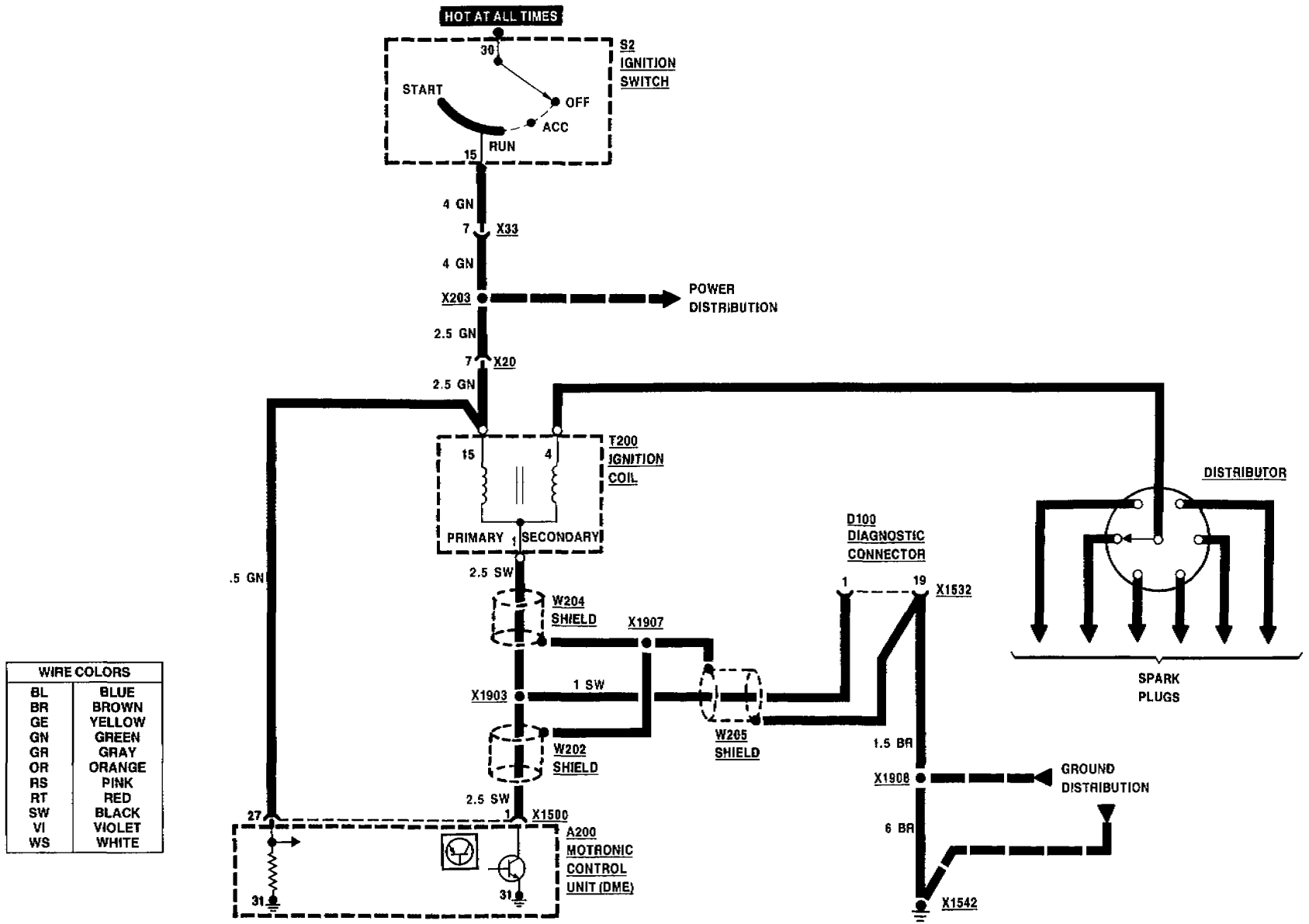
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com



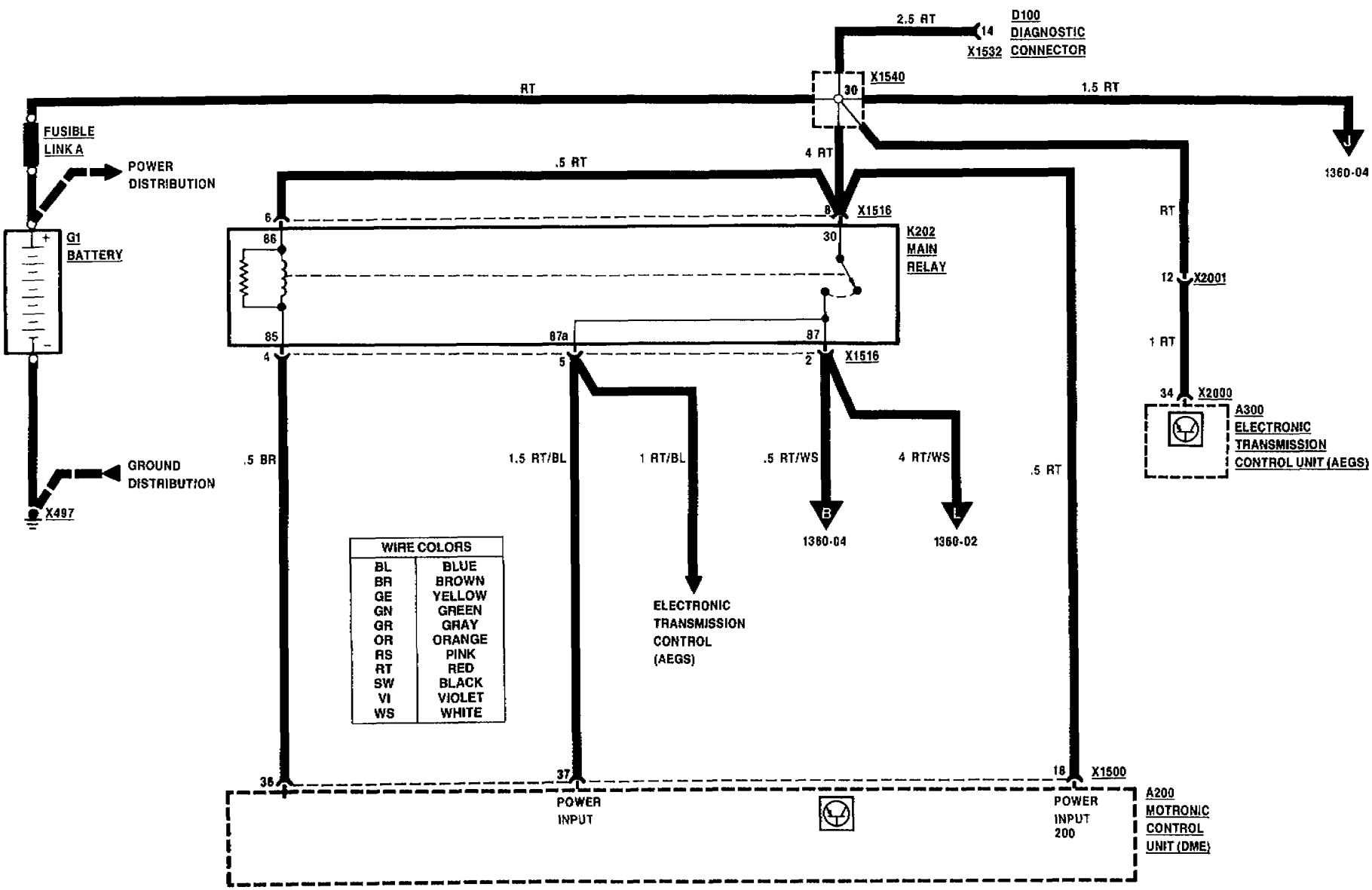
WIRE COLORS	
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BR	BROWN
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GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

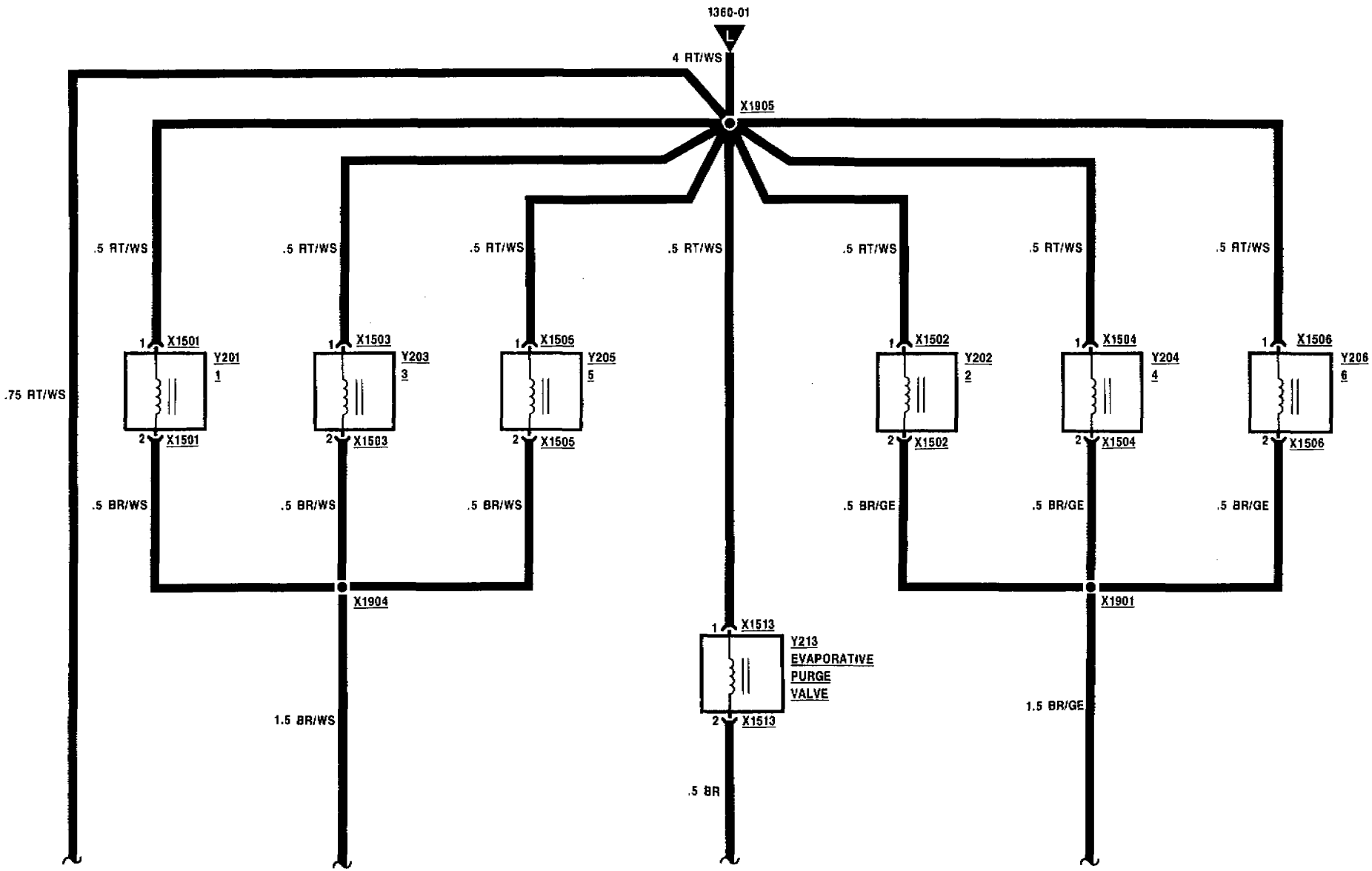


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

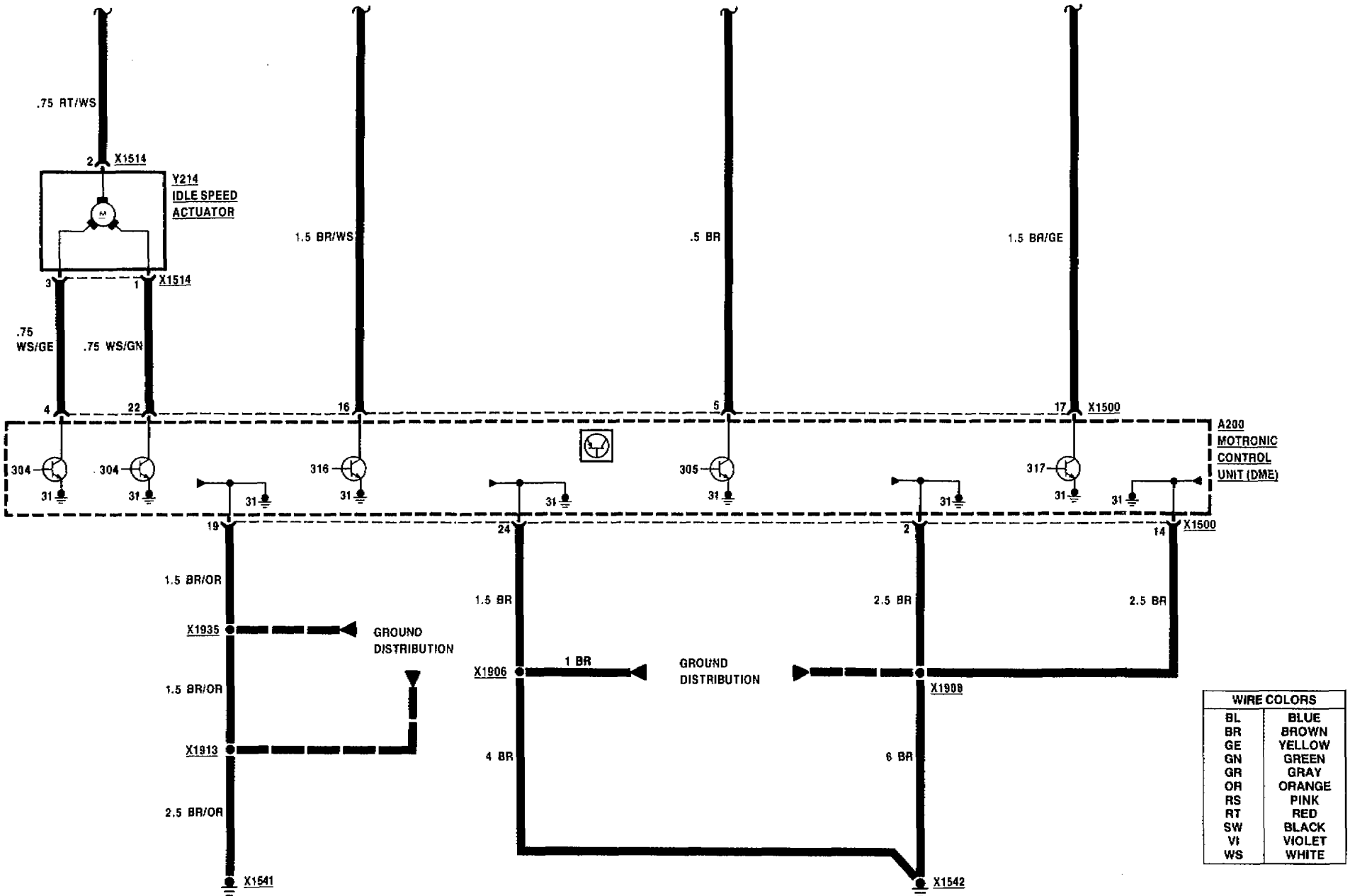
cardiagn.com



cardiagn.com

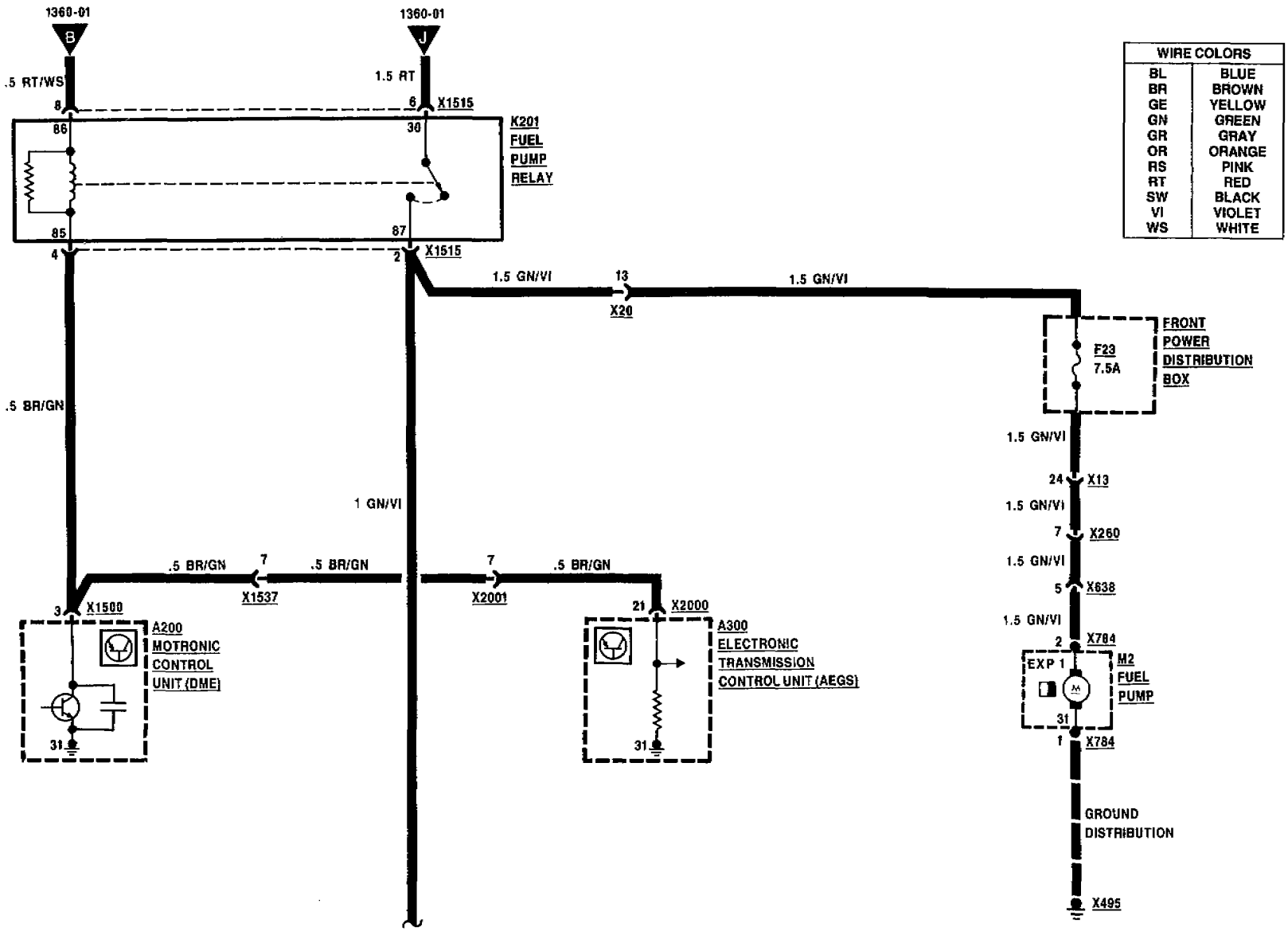


cardiagn.com



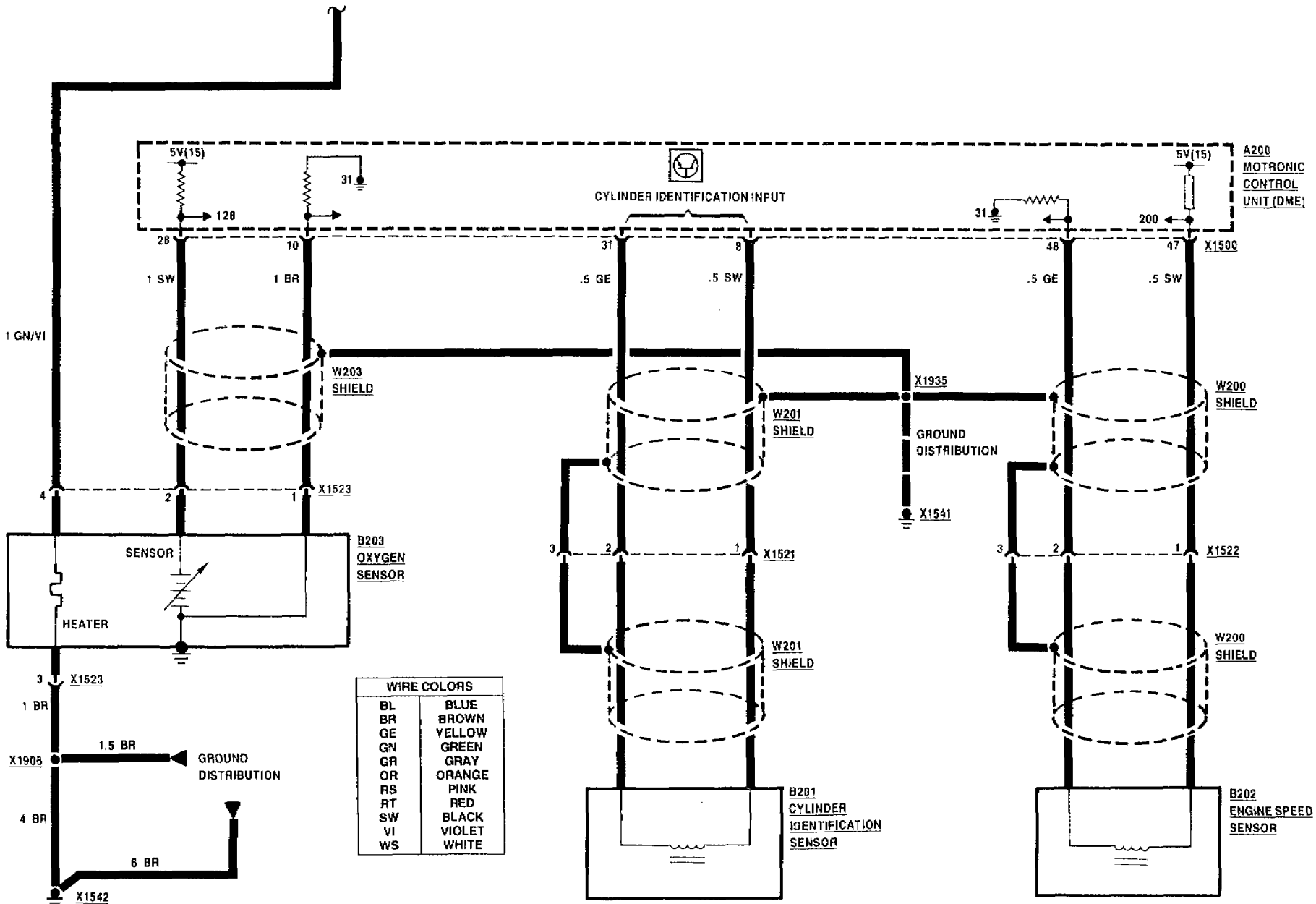
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

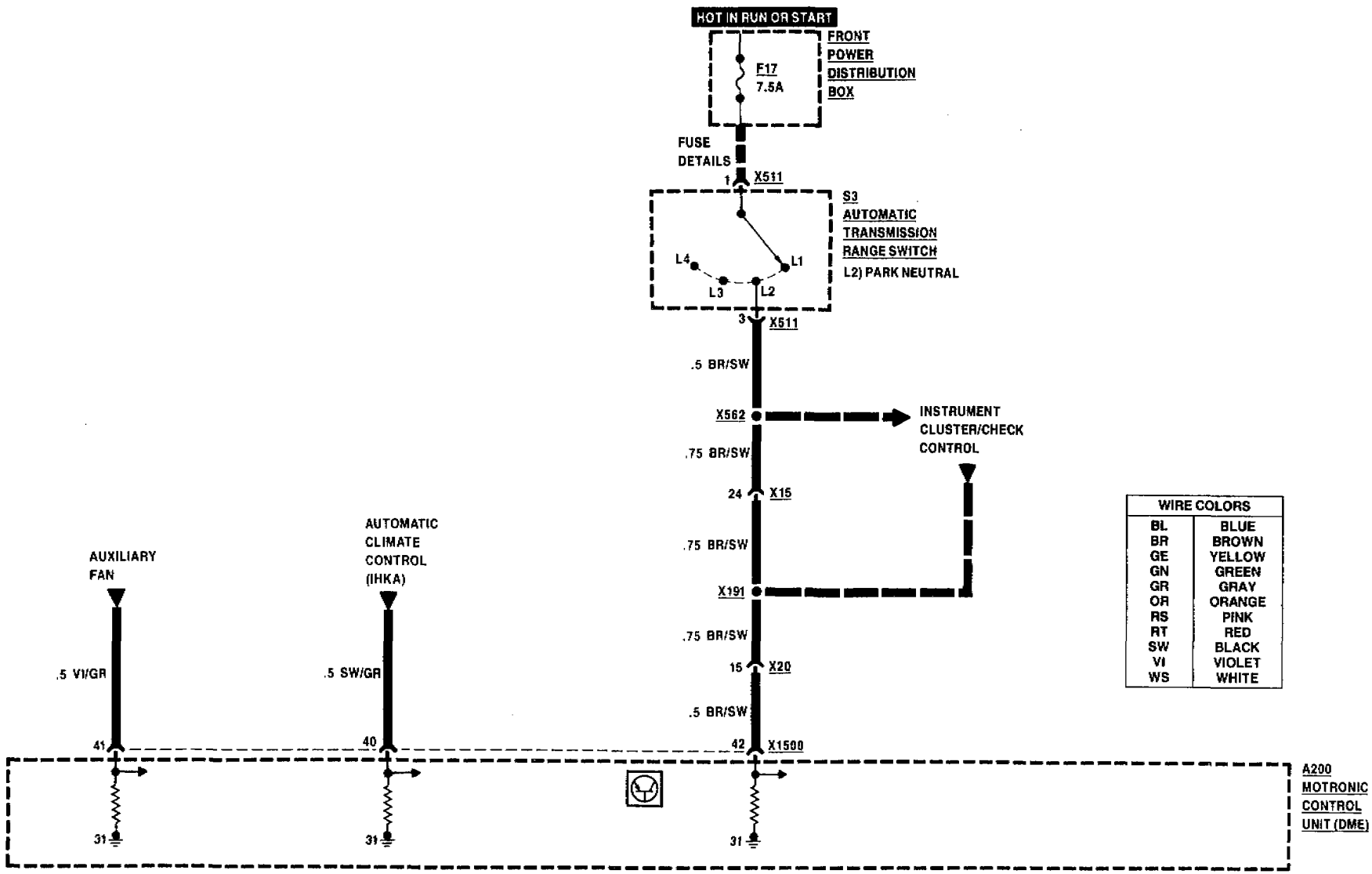


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carplagn.com

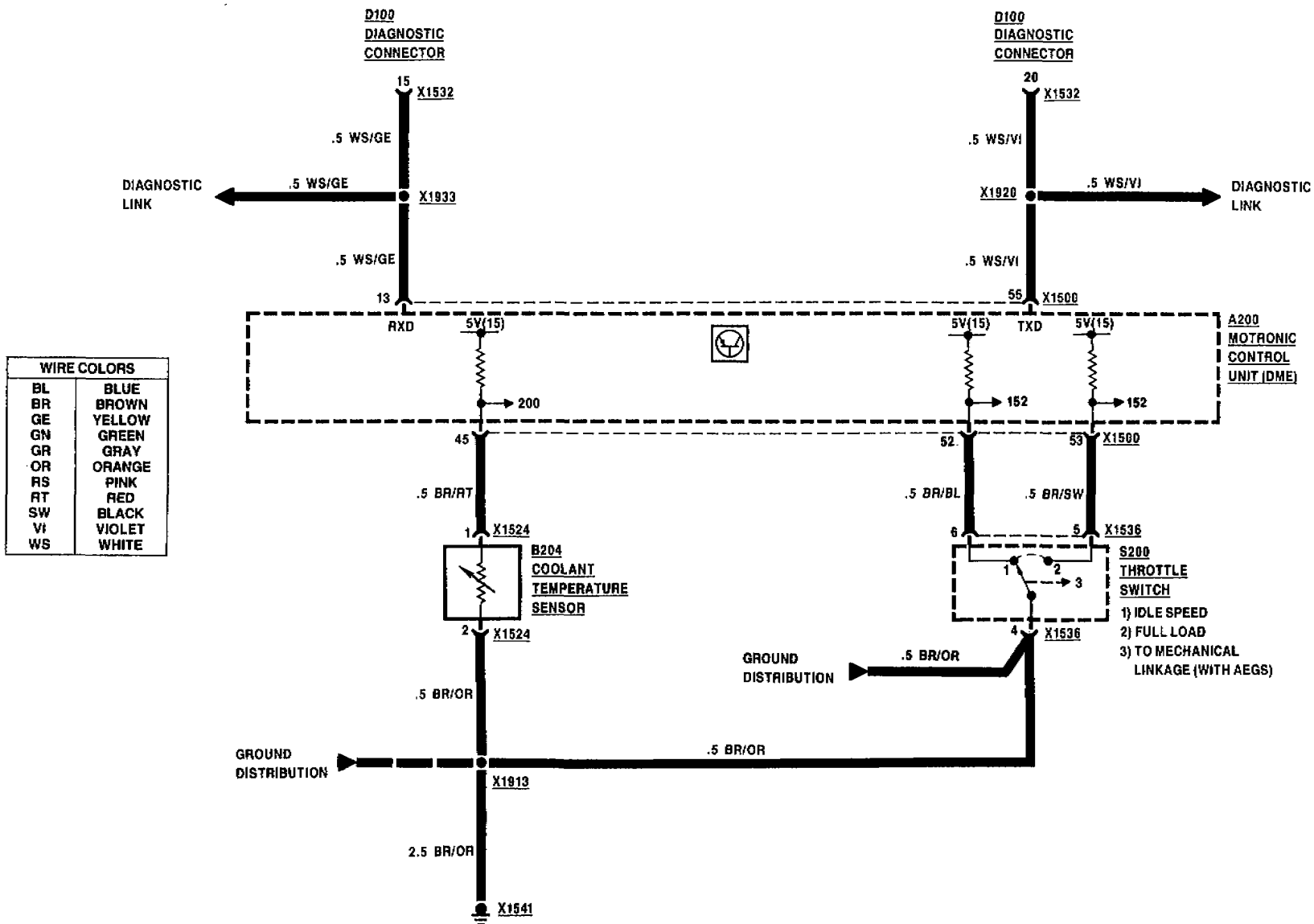


cardiagn.com



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

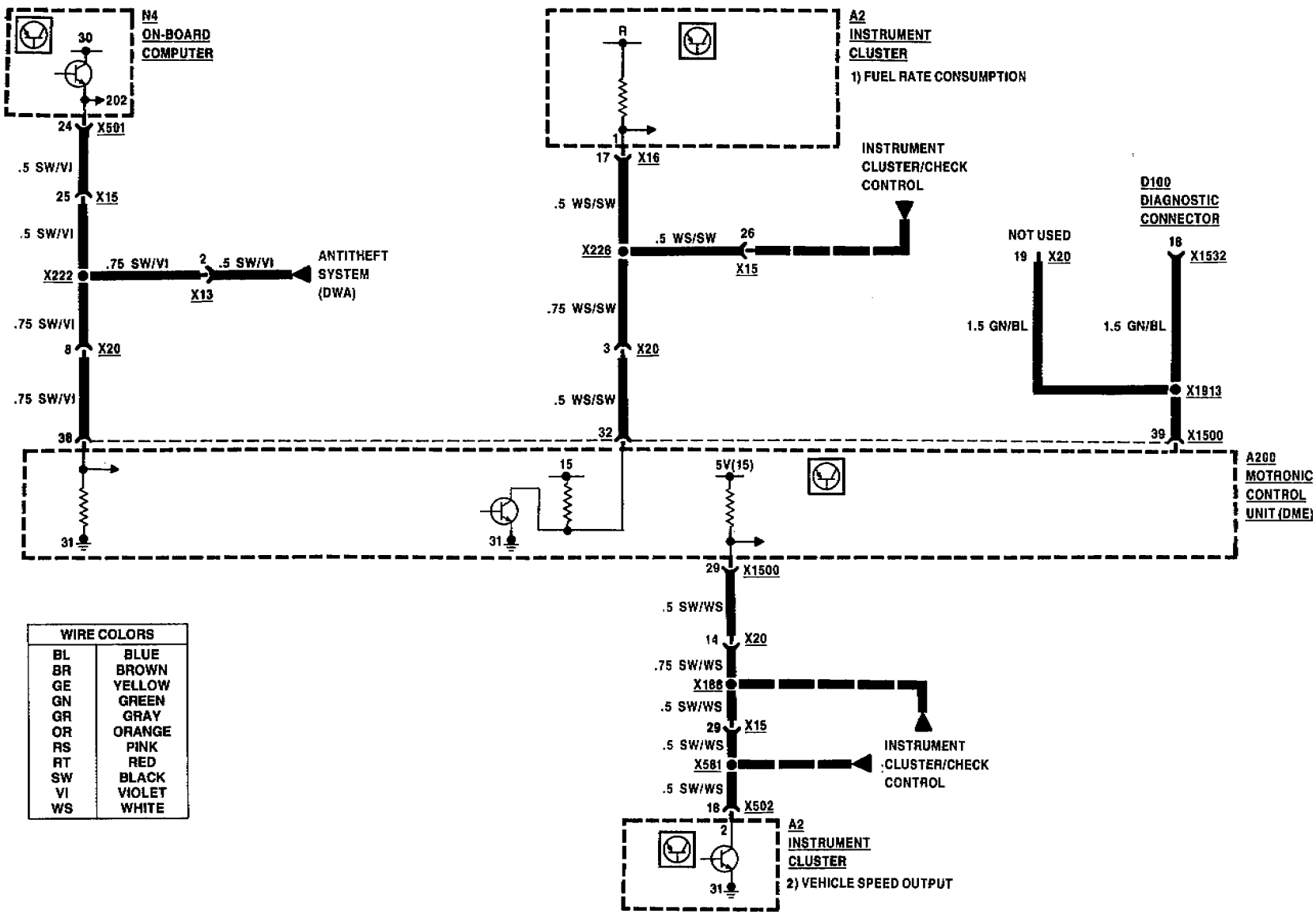
cardiagn.com



WIRE COLORS	
BL	BLUE
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

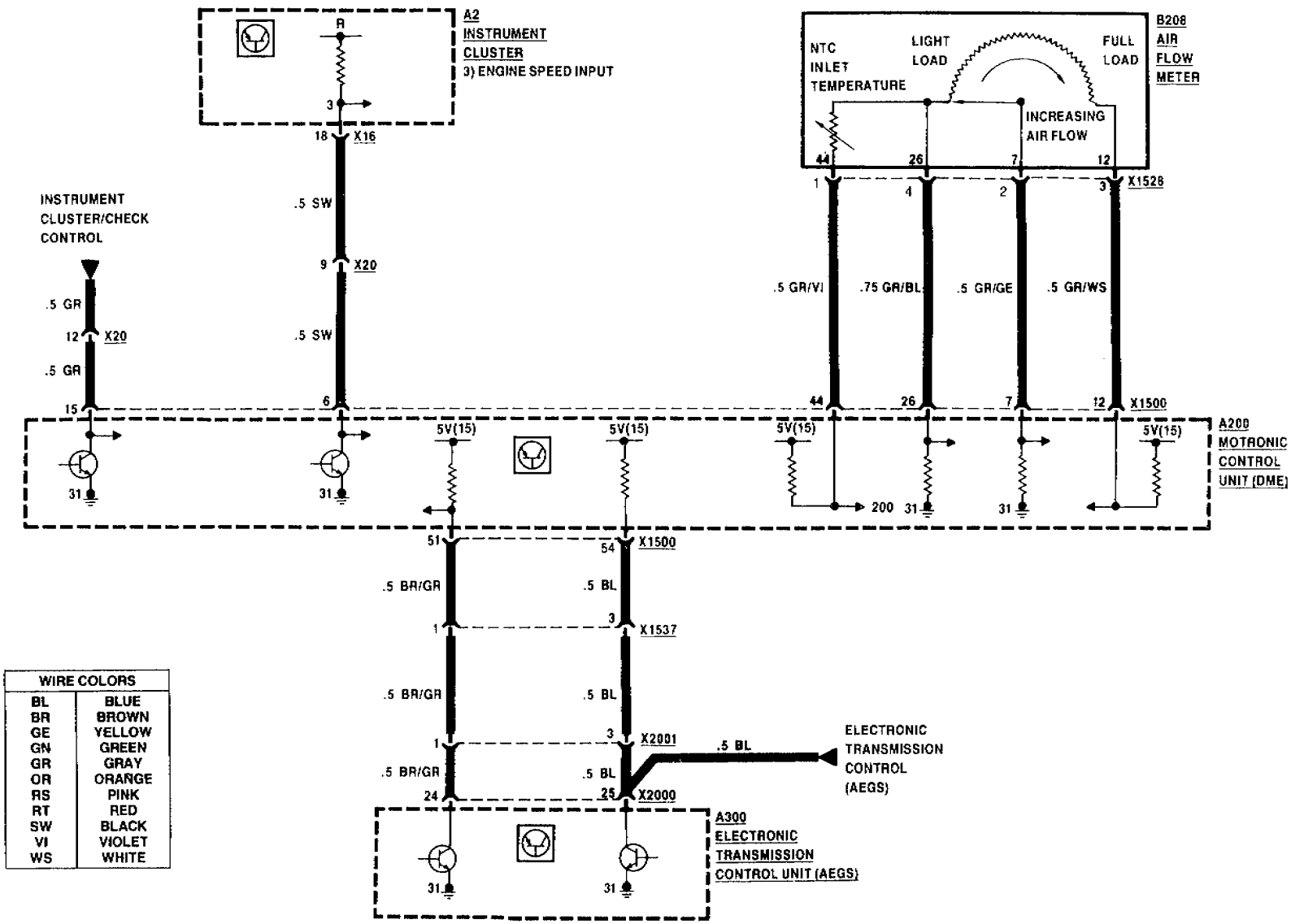
cardiagn.com

INJECTION ELECTRONICS (DME)



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

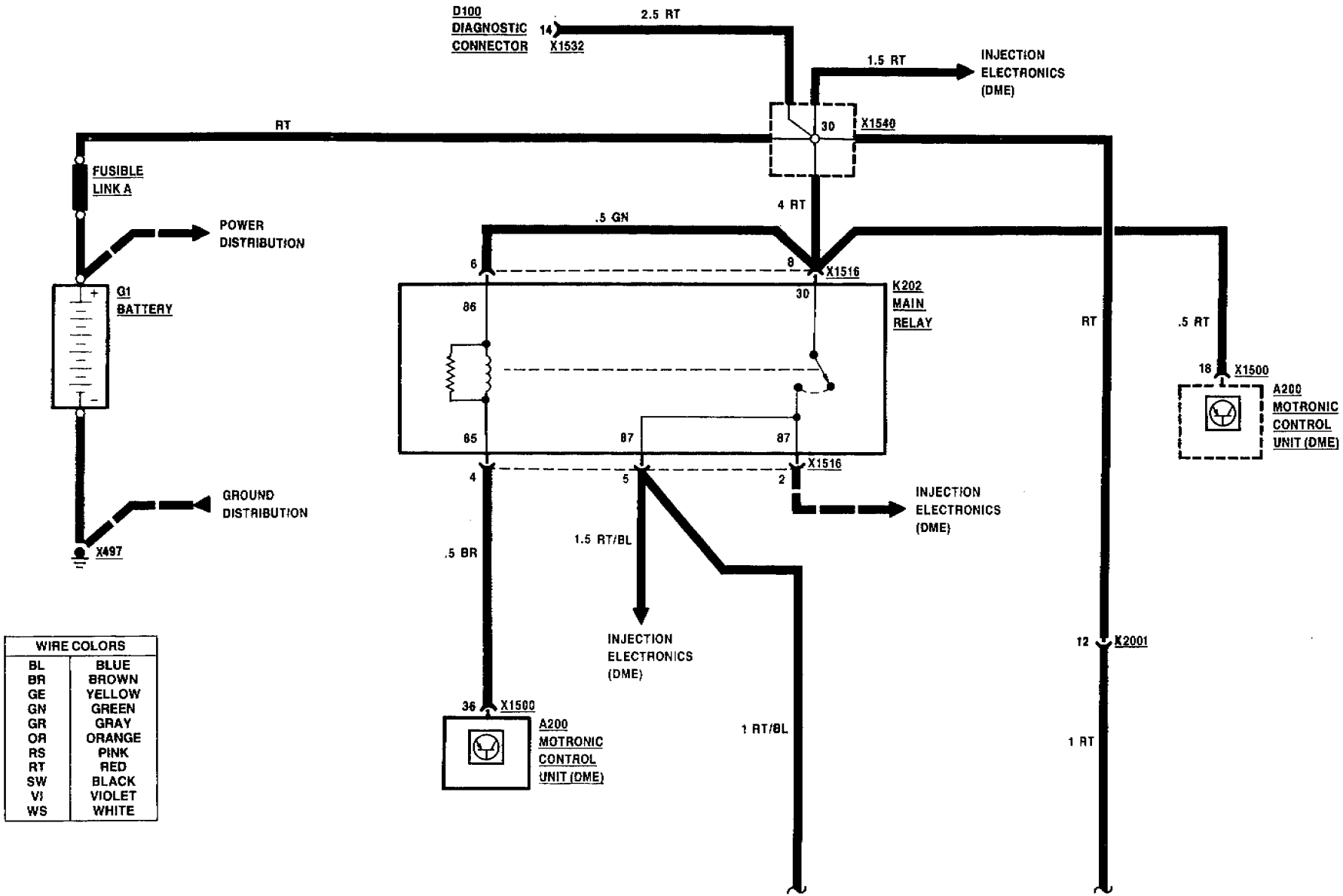
carpagn.com



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

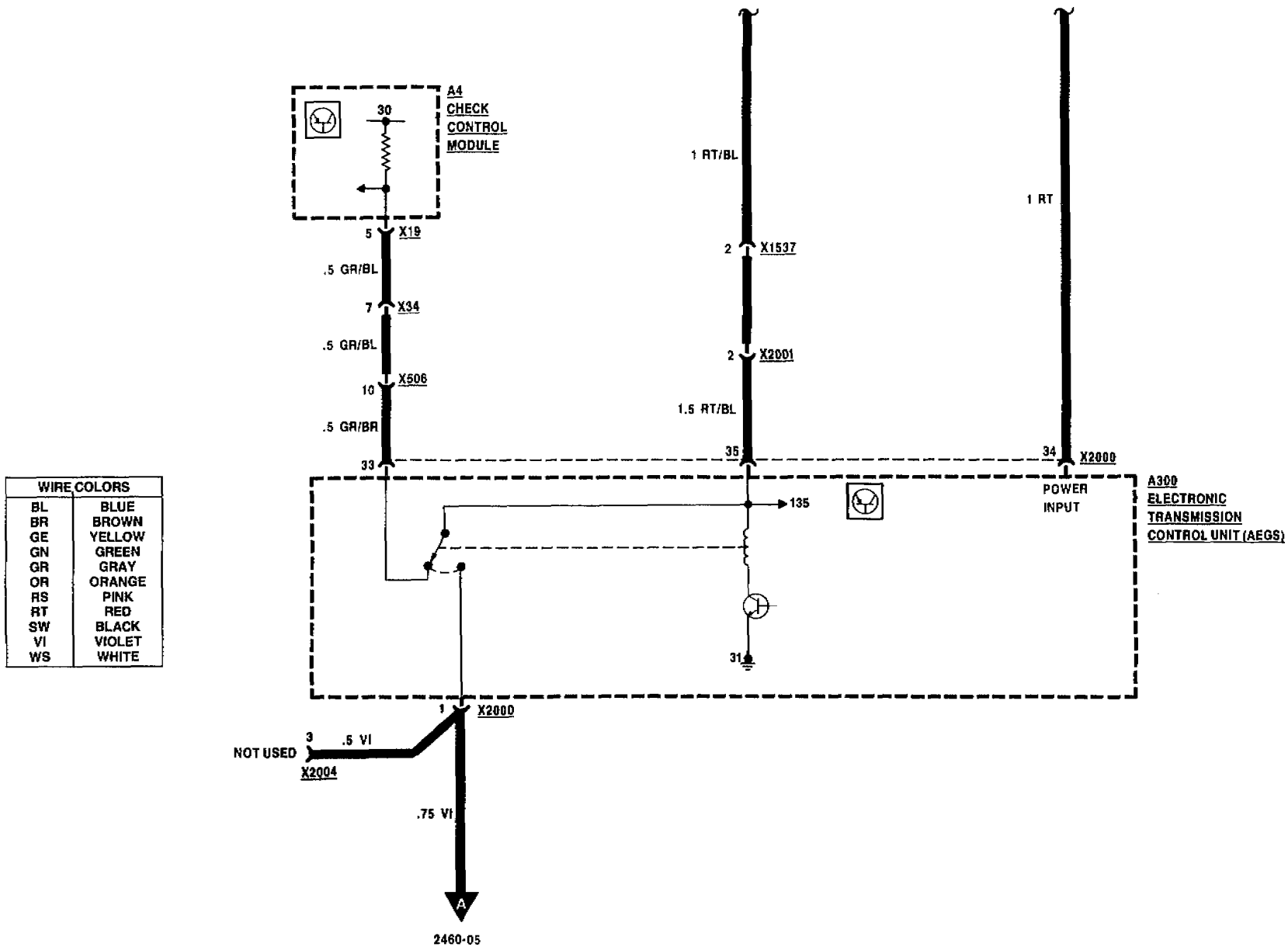
cardiagn.com

ELECTRONIC TRANSMISSION CONTROL (AEGS)



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

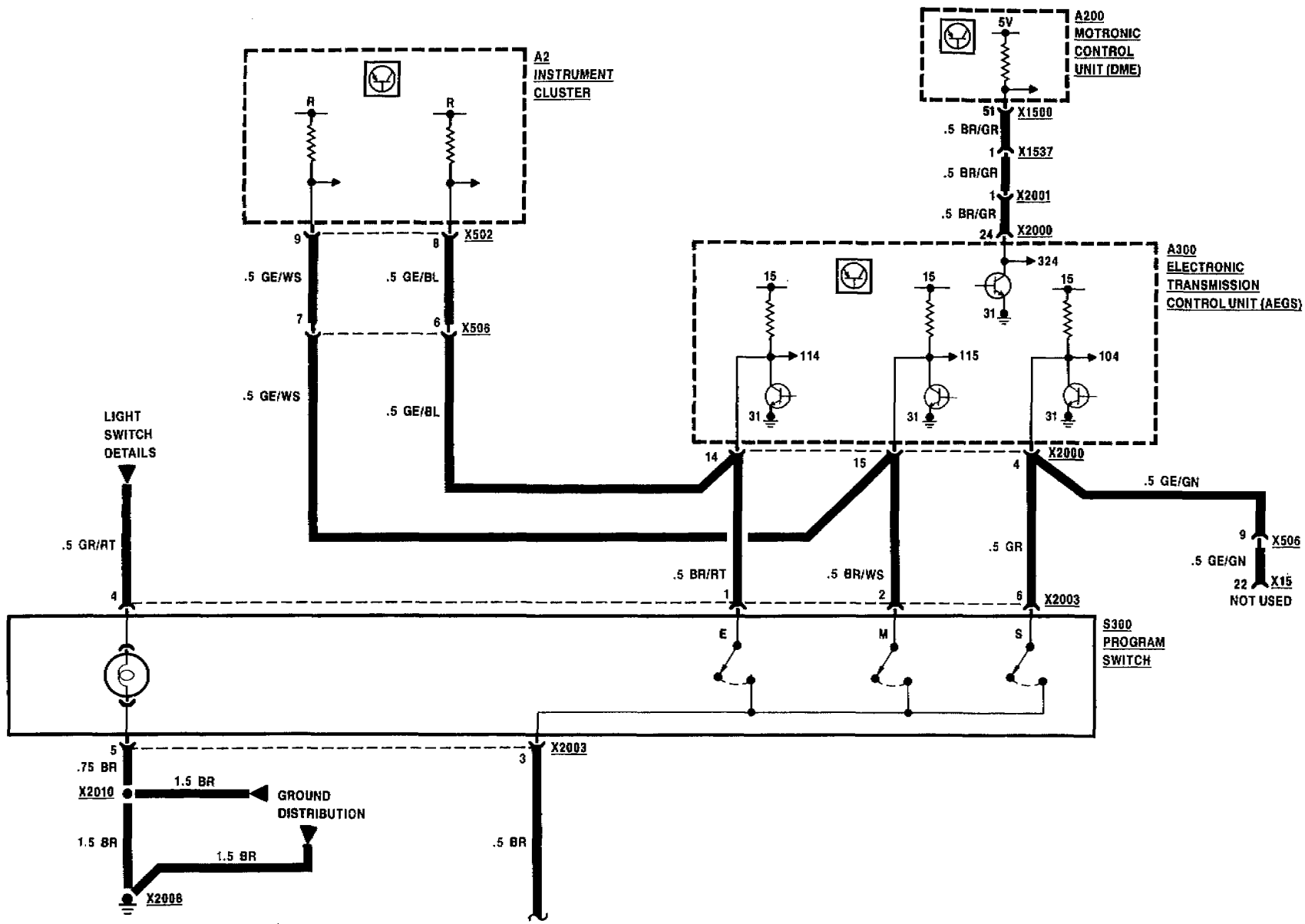
cardiagn.com



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

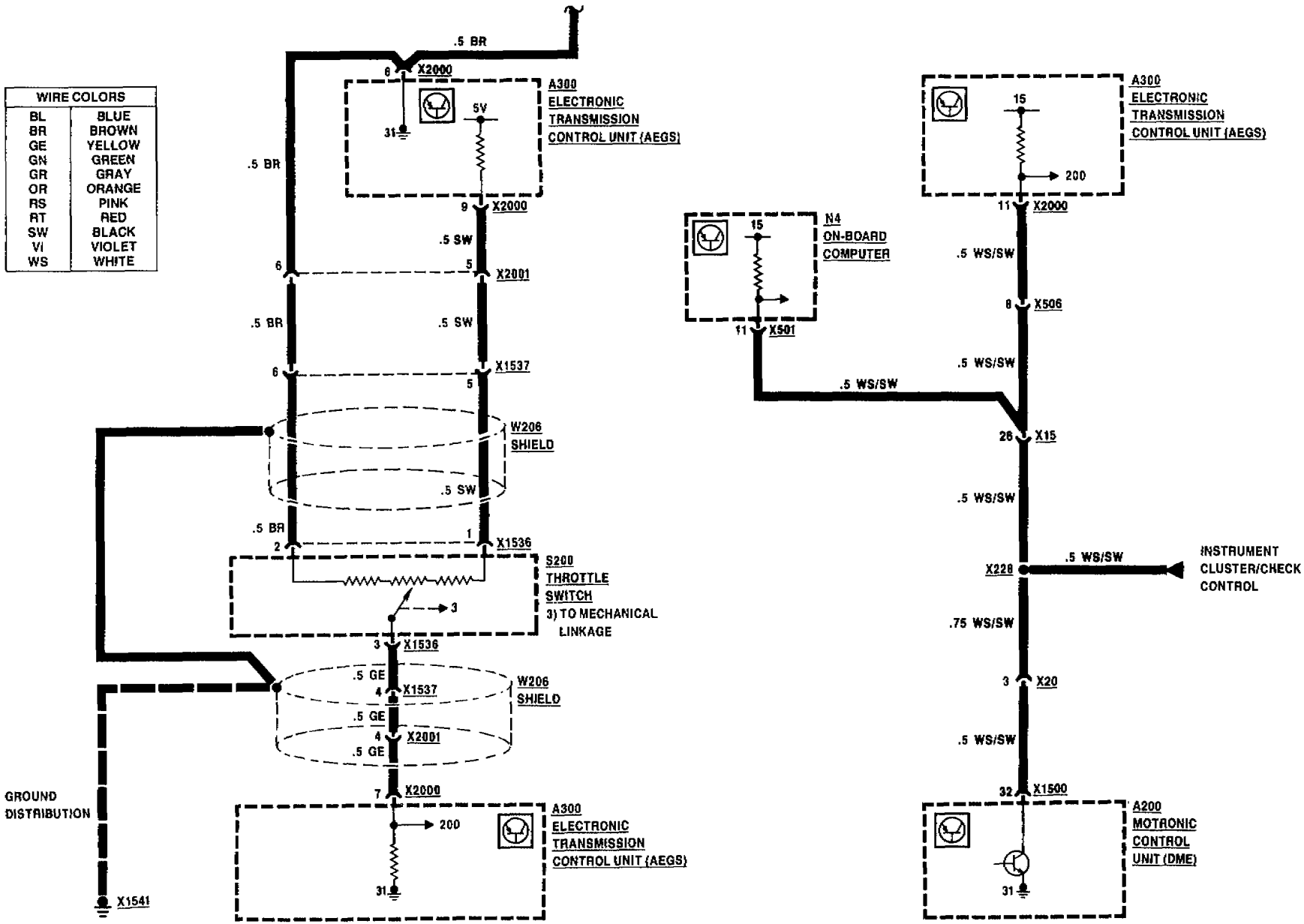
cardiagn.com

ELECTRONIC TRANSMISSION CONTROL (AEGS)



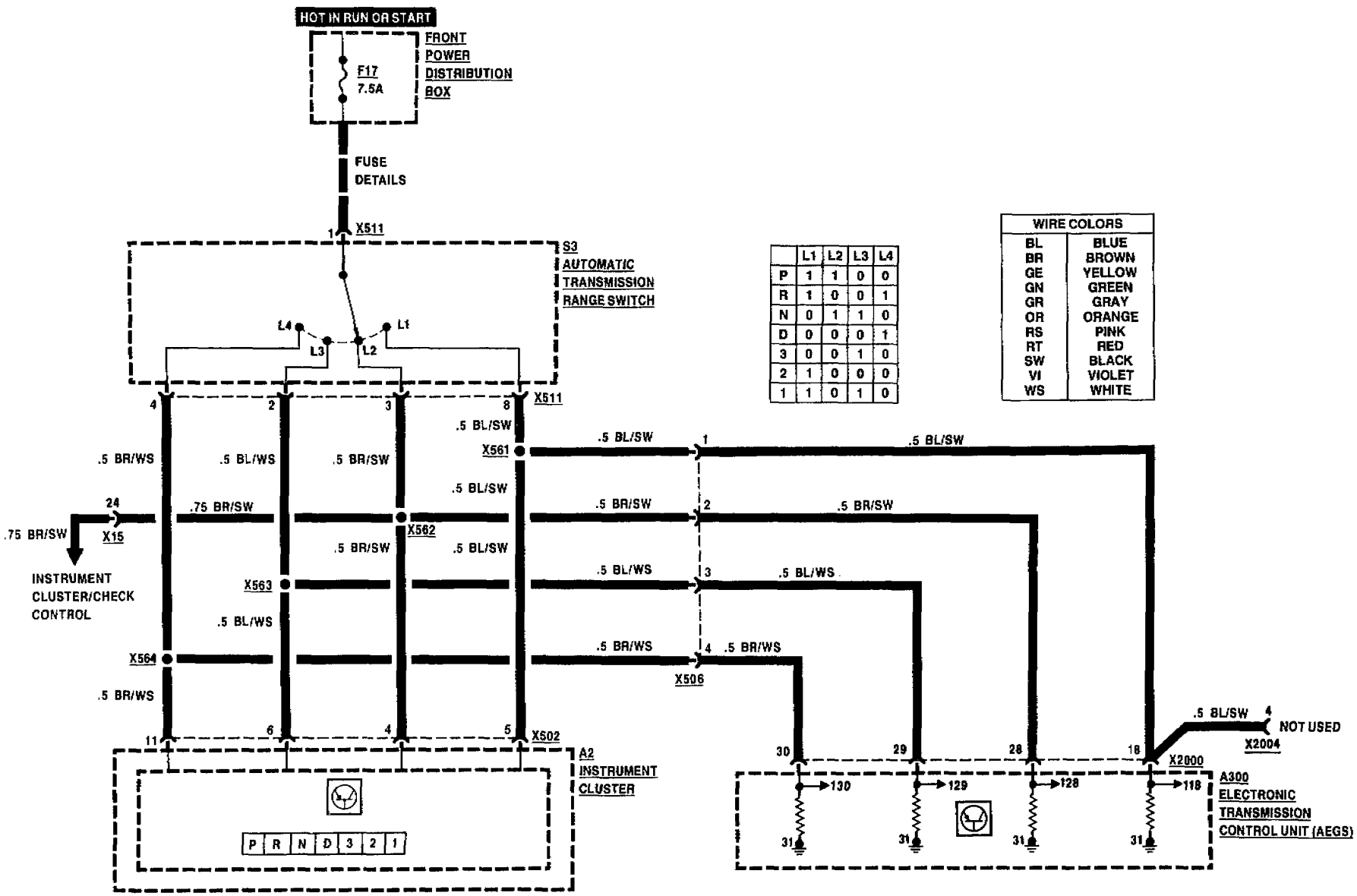
cardiagn.com

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



carlabl.com

ELECTRONIC TRANSMISSION CONTROL (AEGS)

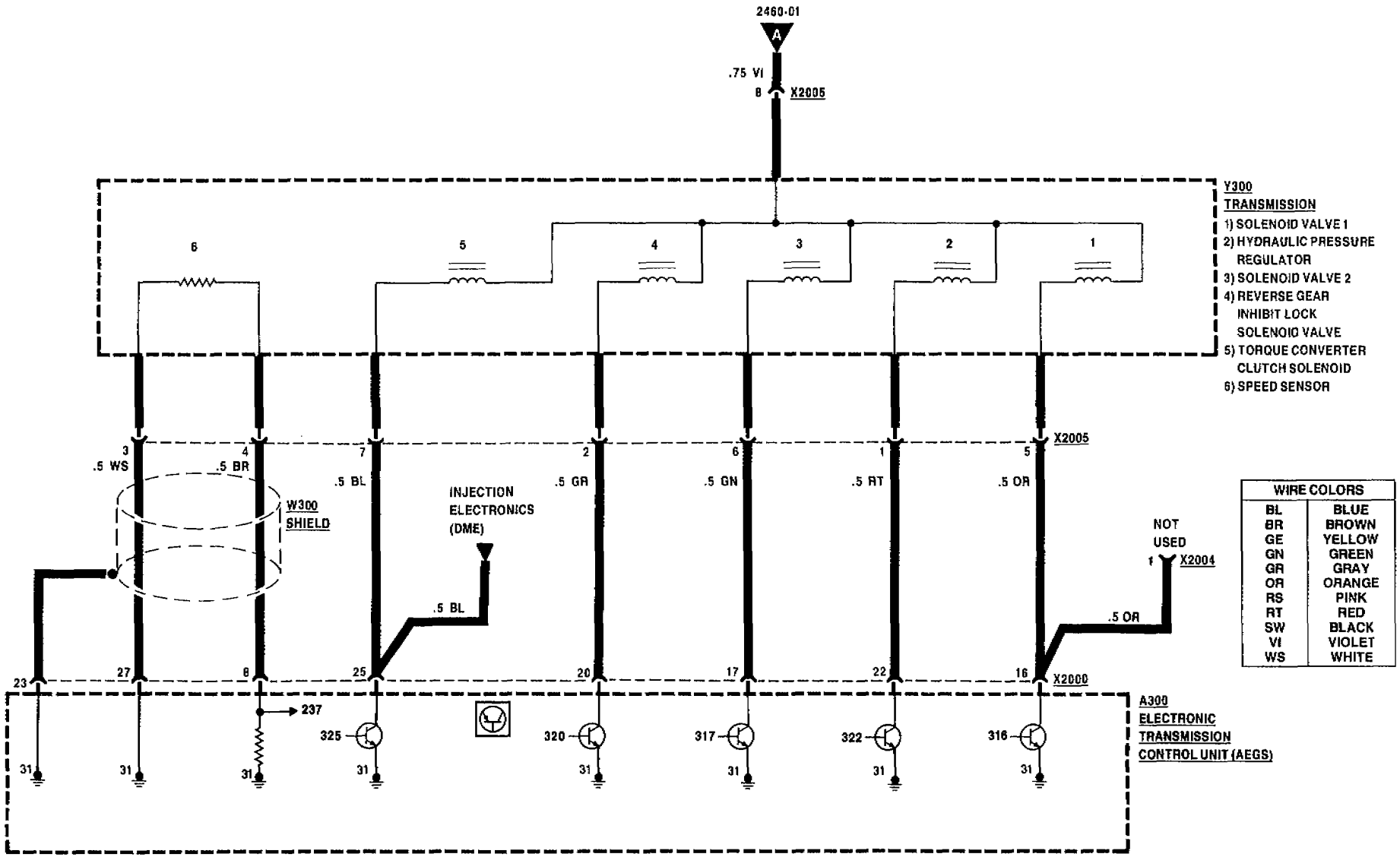


	L1	L2	L3	L4
P	1	1	0	0
R	1	0	0	1
N	0	1	1	0
D	0	0	0	1
3	0	0	1	0
2	1	0	0	0
1	1	0	1	0

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

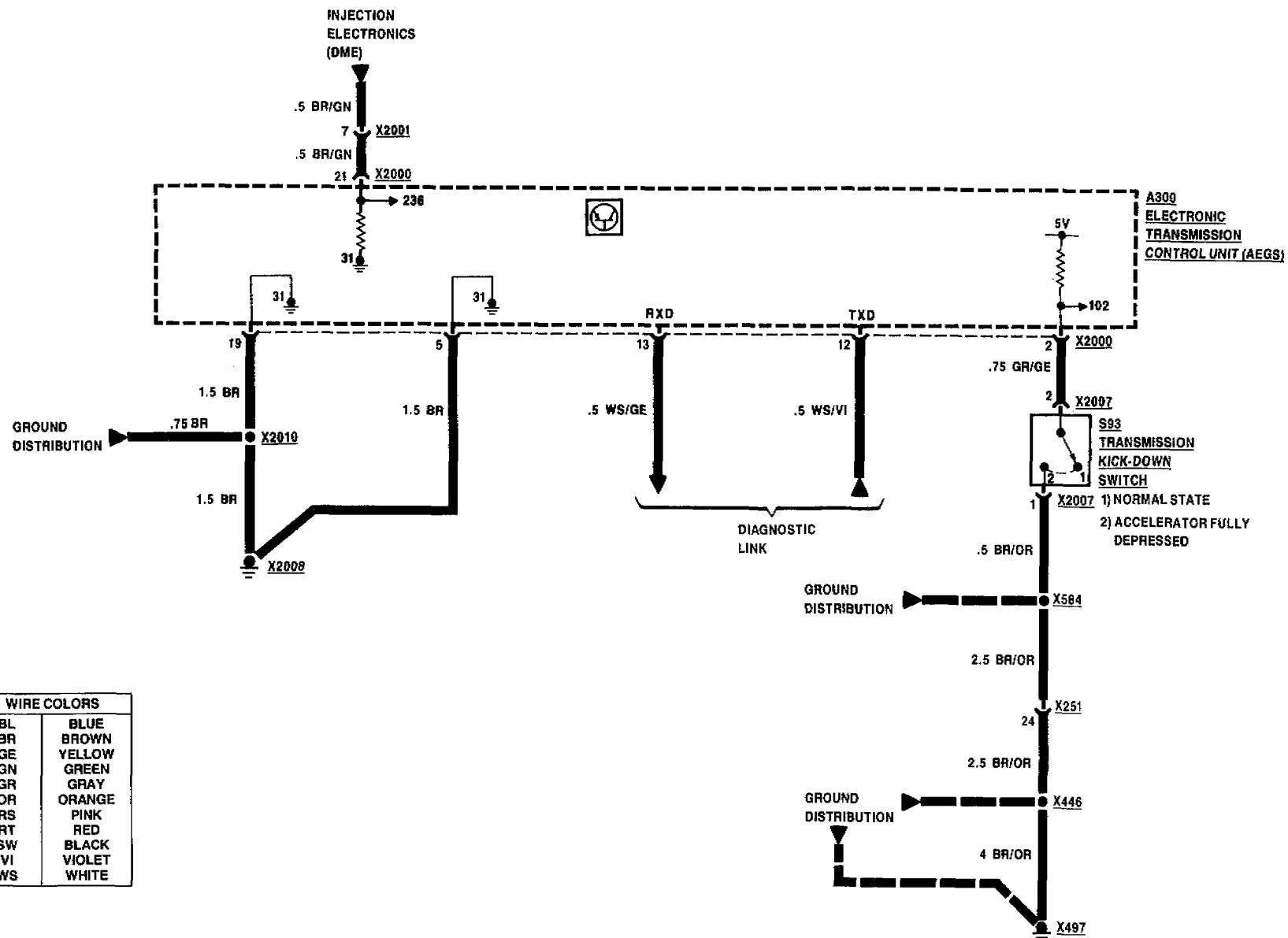
cardiagn.com

ELECTRONIC TRANSMISSION CONTROL (AEGS)



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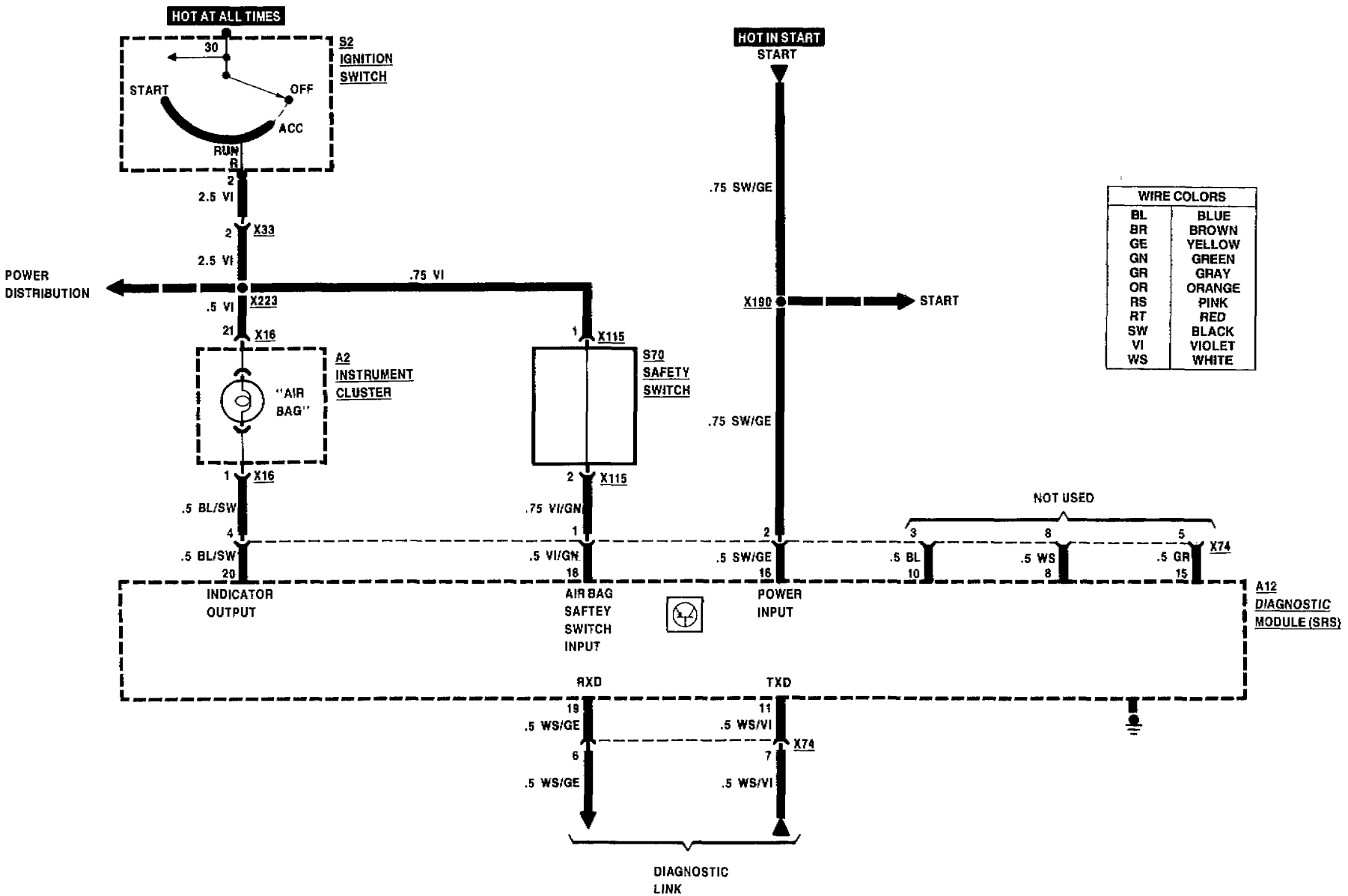
ELECTRONIC TRANSMISSION CONTROL (AEGS)



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

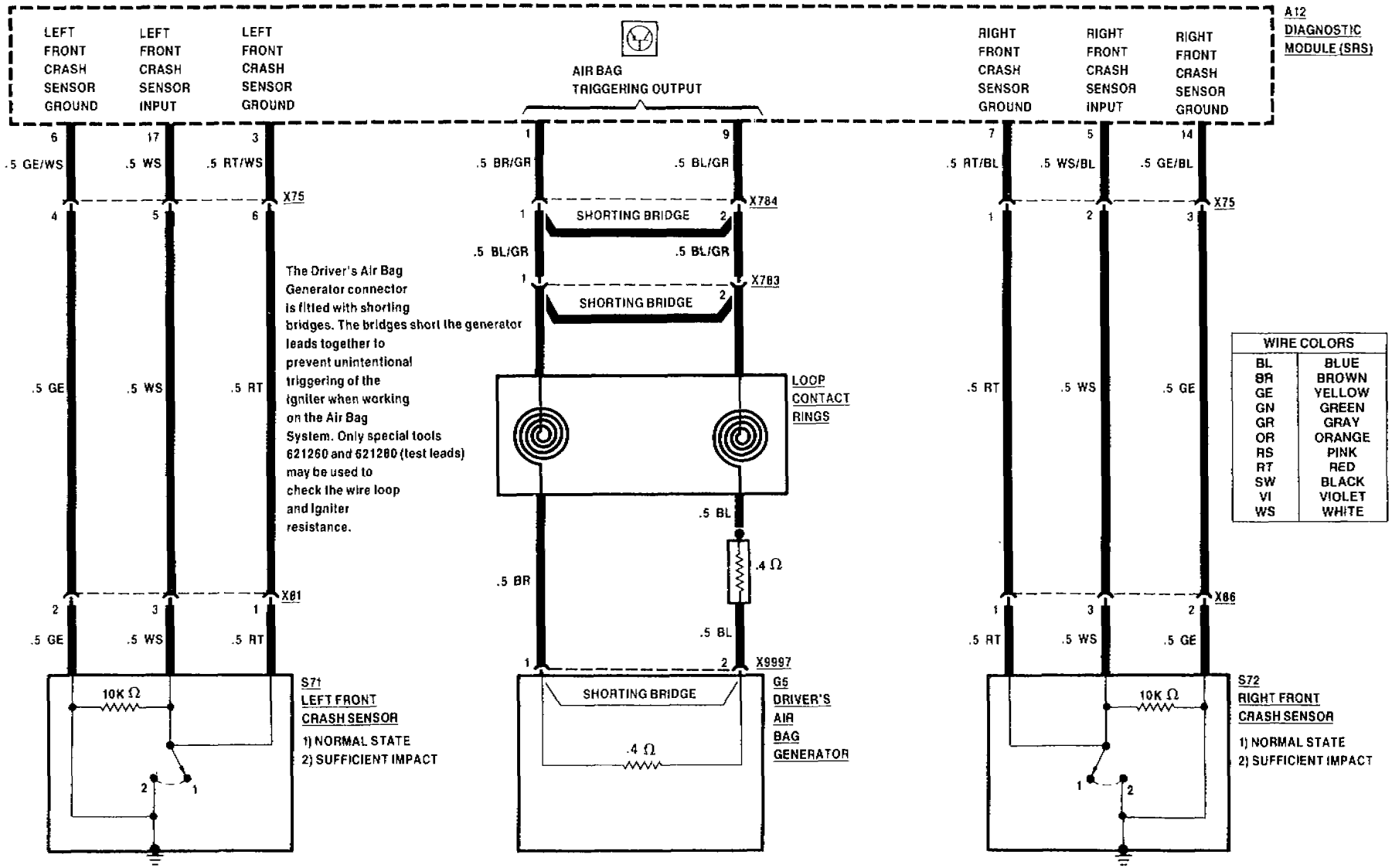
cardiagn.com

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



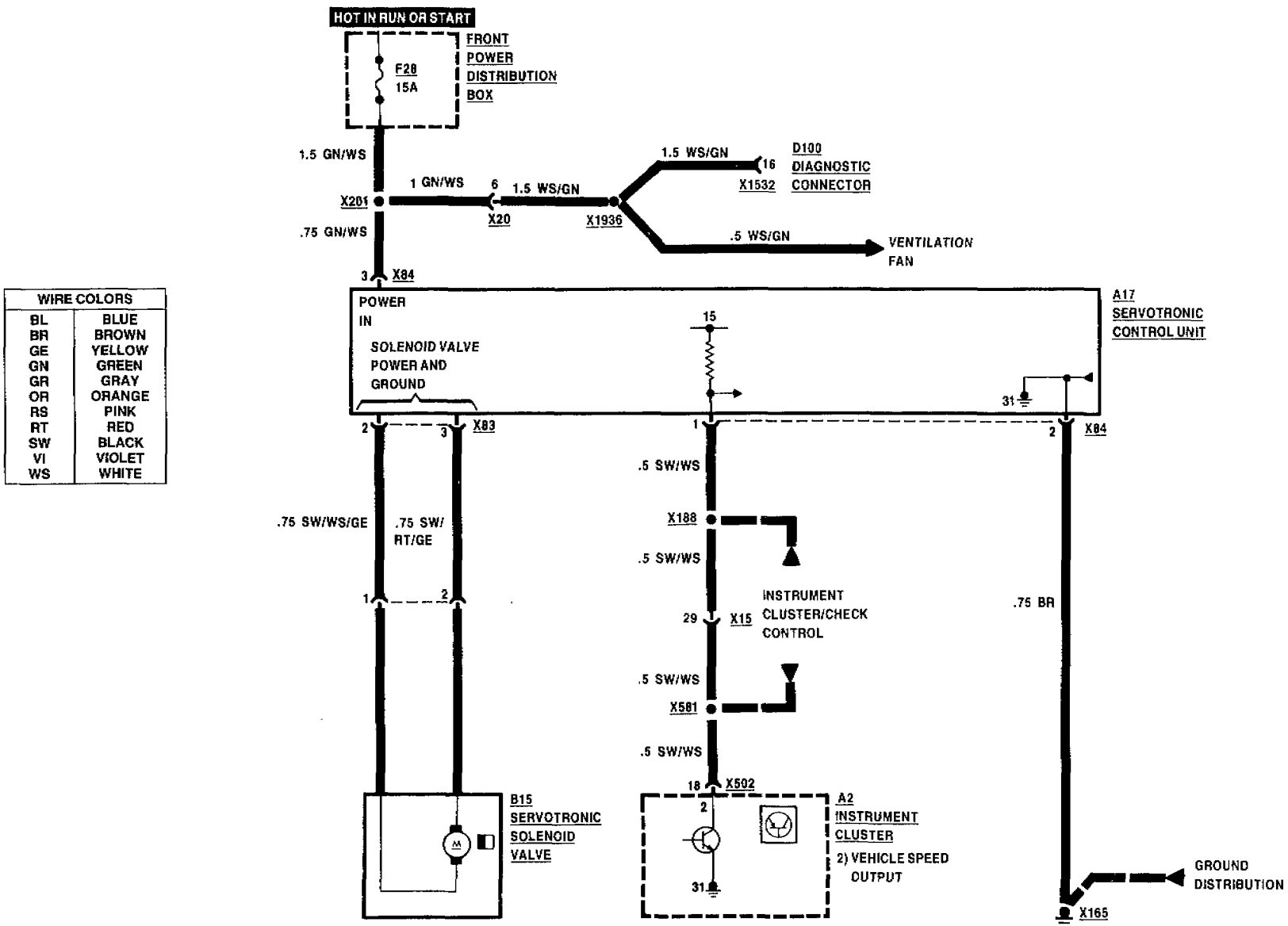
cardiagn.com

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)



cardiagn.com

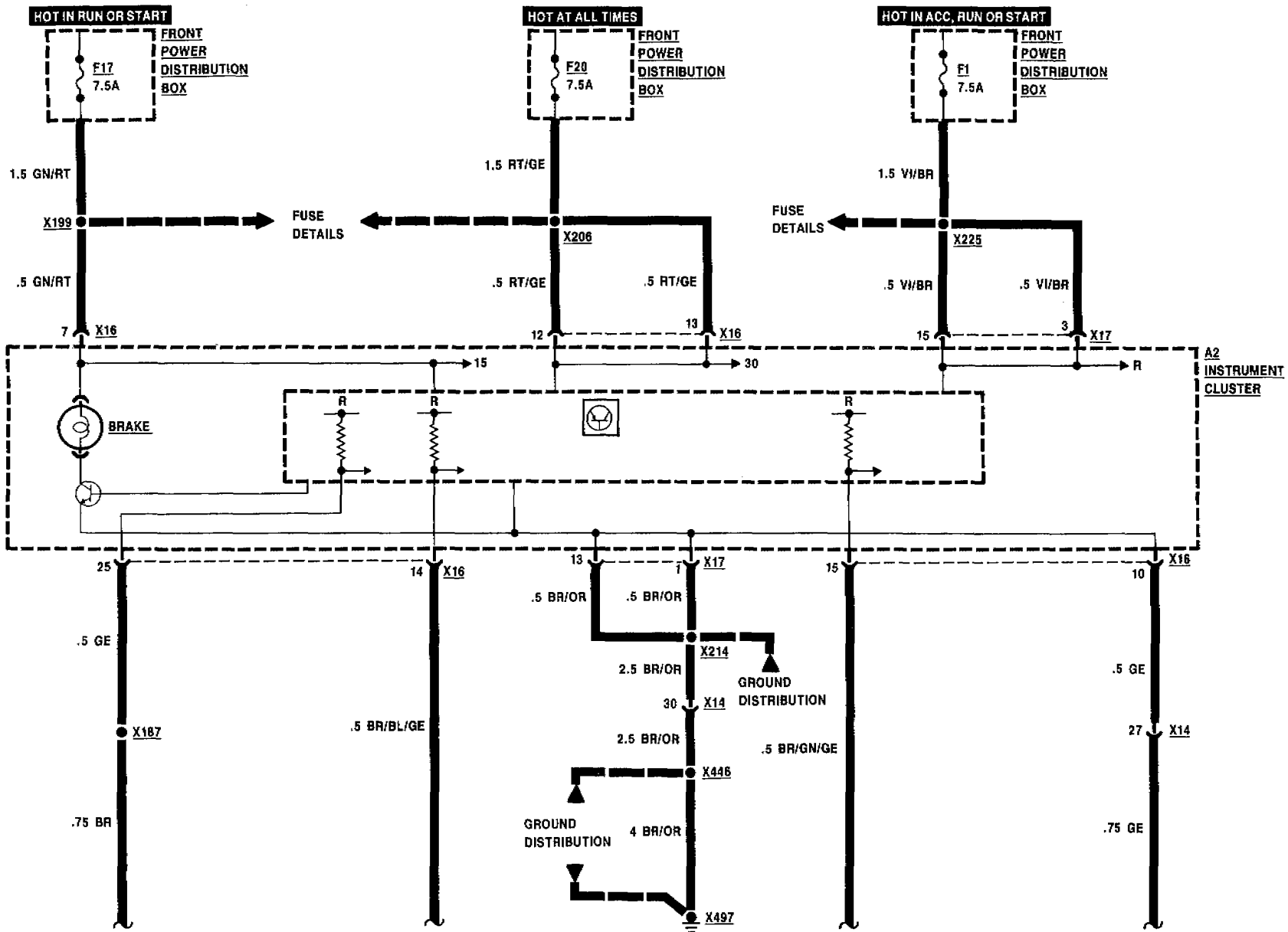
POWER ASSIST STEERING (SERVOTRONIC)



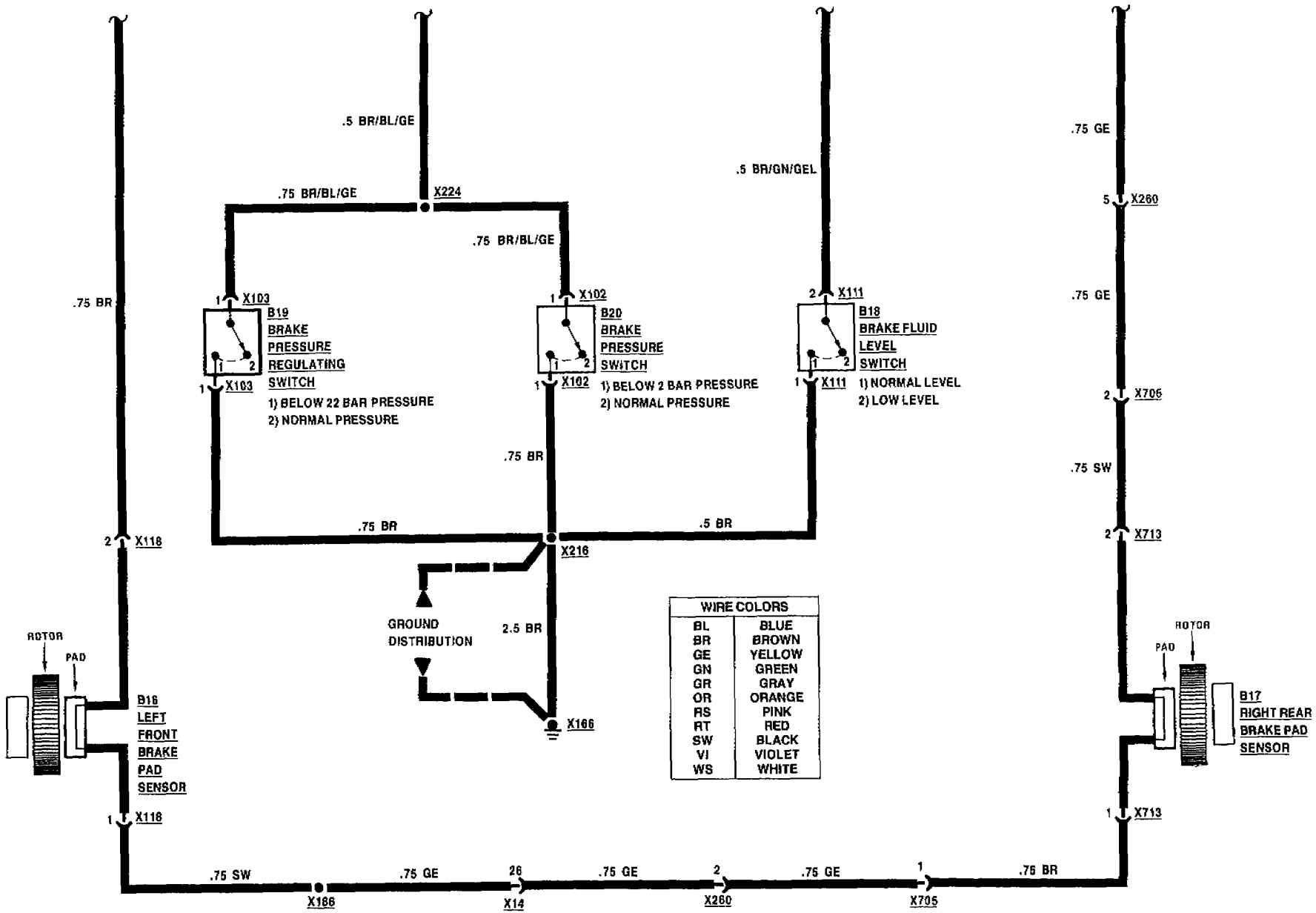
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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BRAKE LINING WARNING
BRAKE WARNING LIGHT

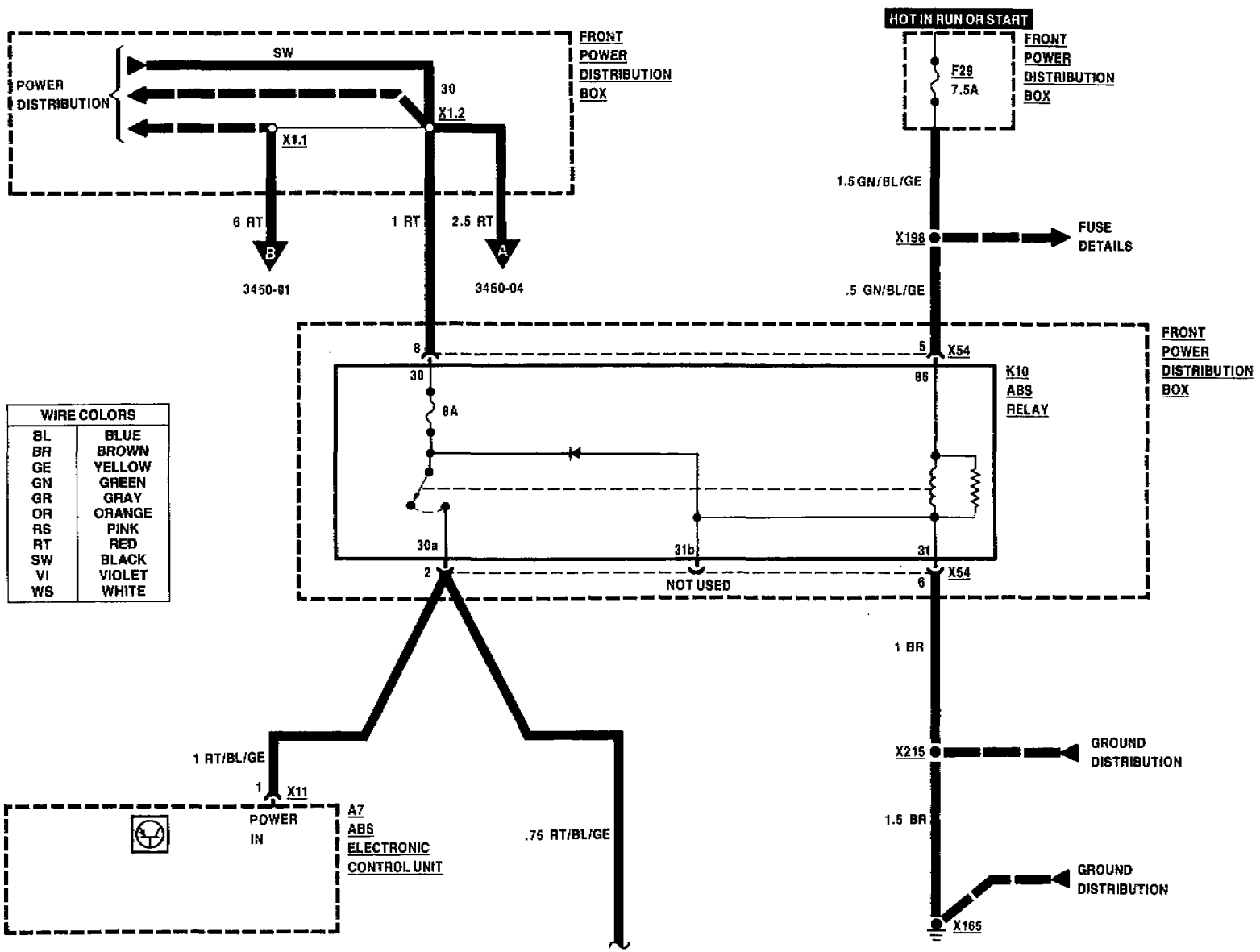


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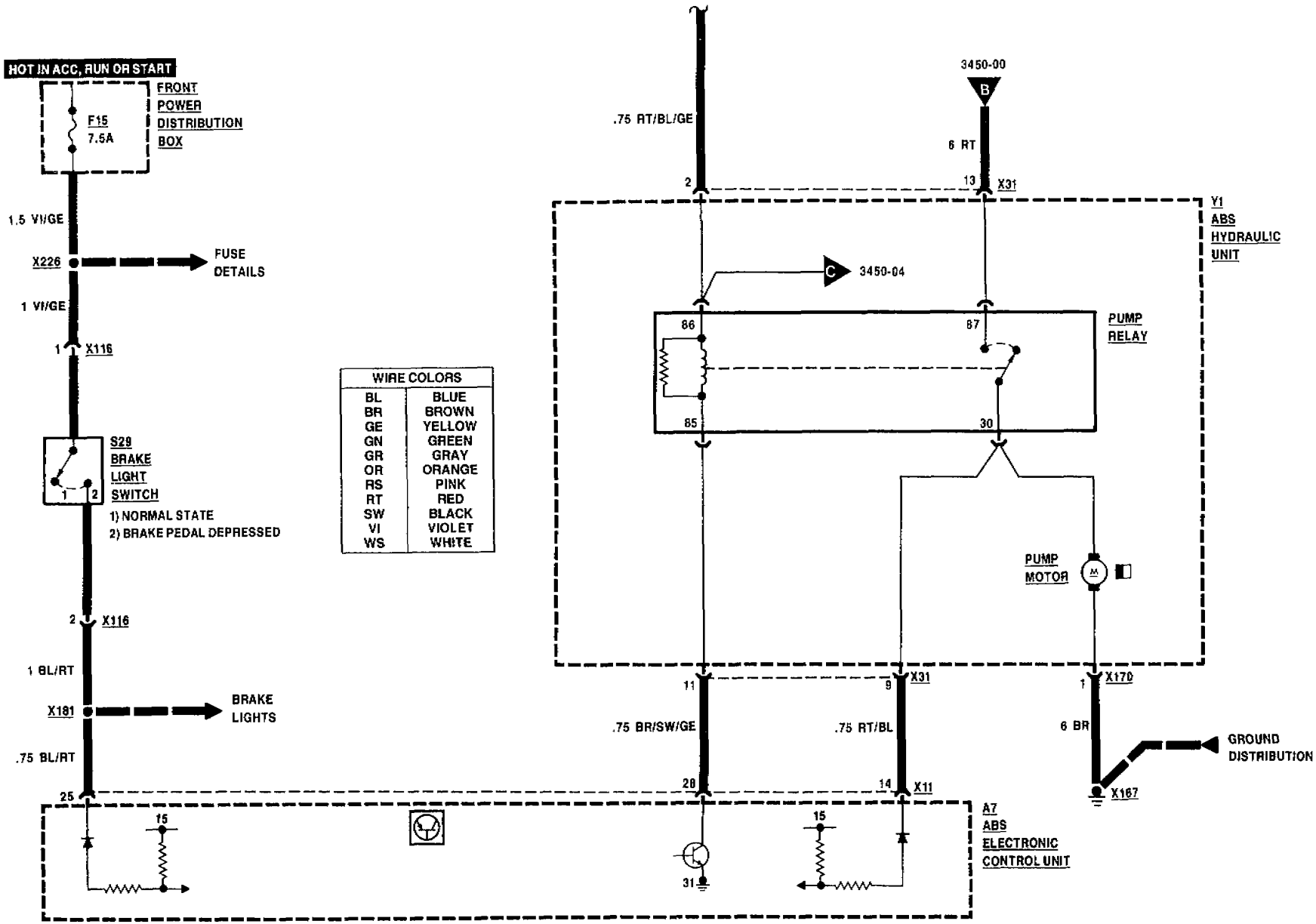


cardiagn.com

ANTILOCK BRAKE SYSTEM (ABS)

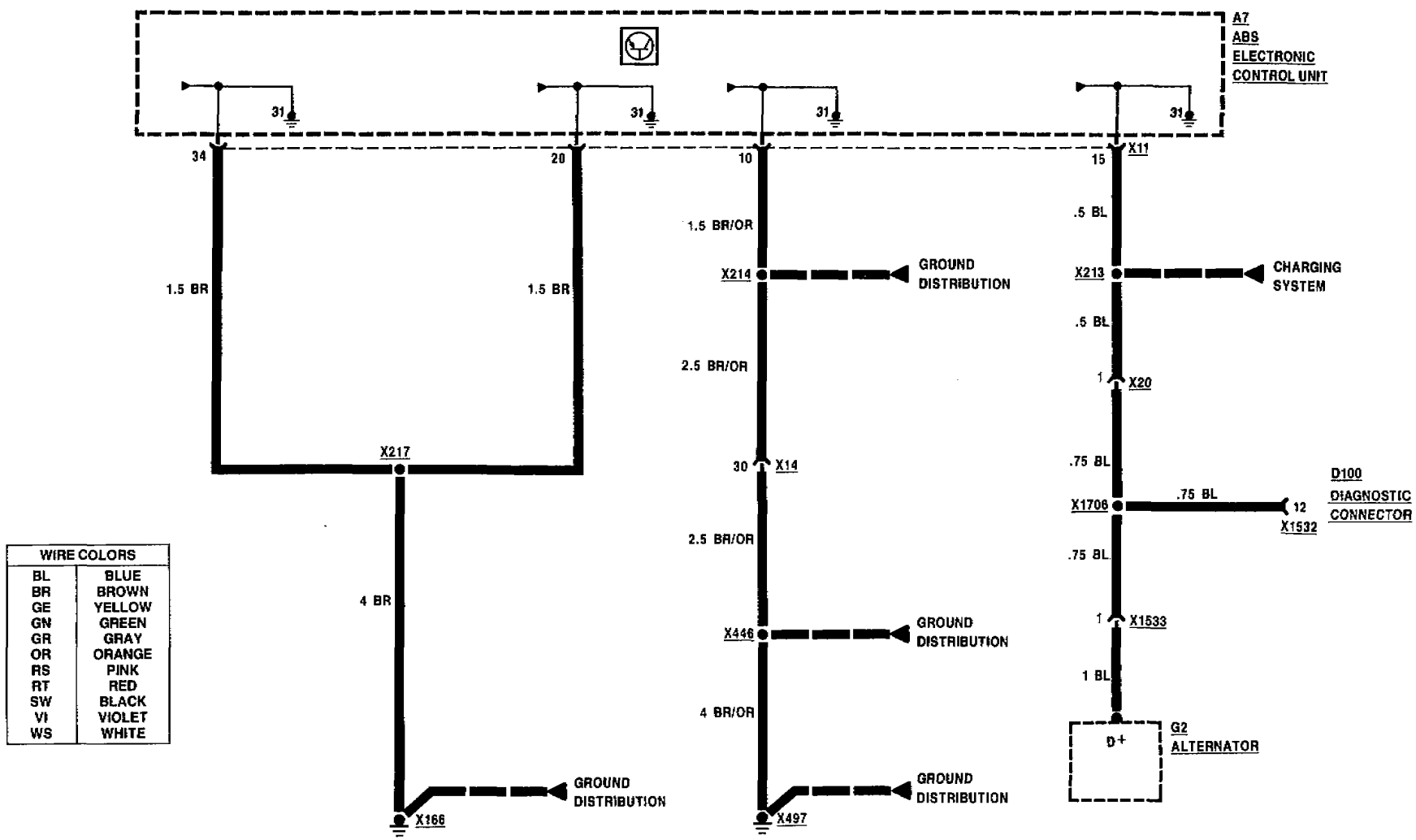


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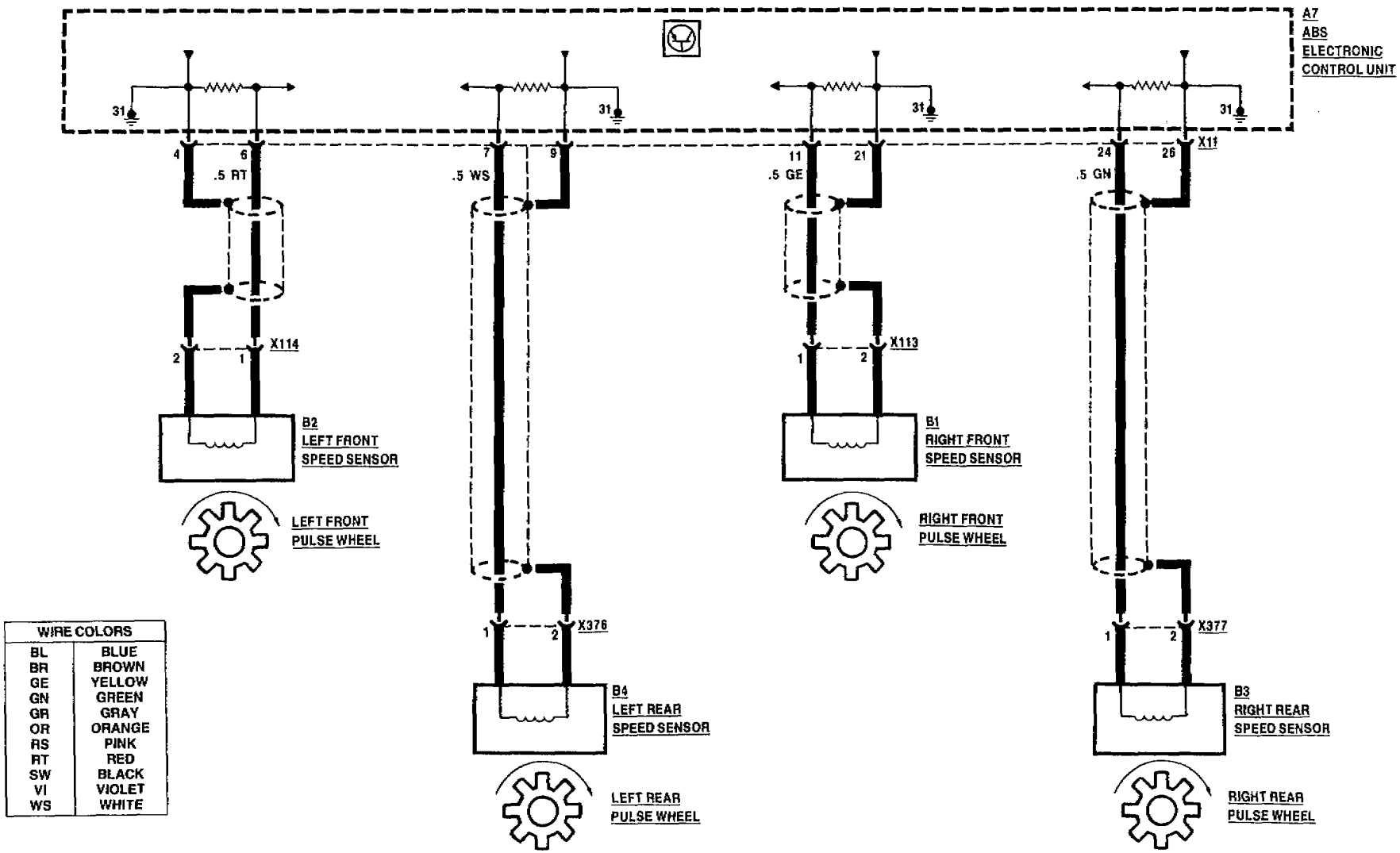
ANTILOCK BRAKE SYSTEM (ABS)



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

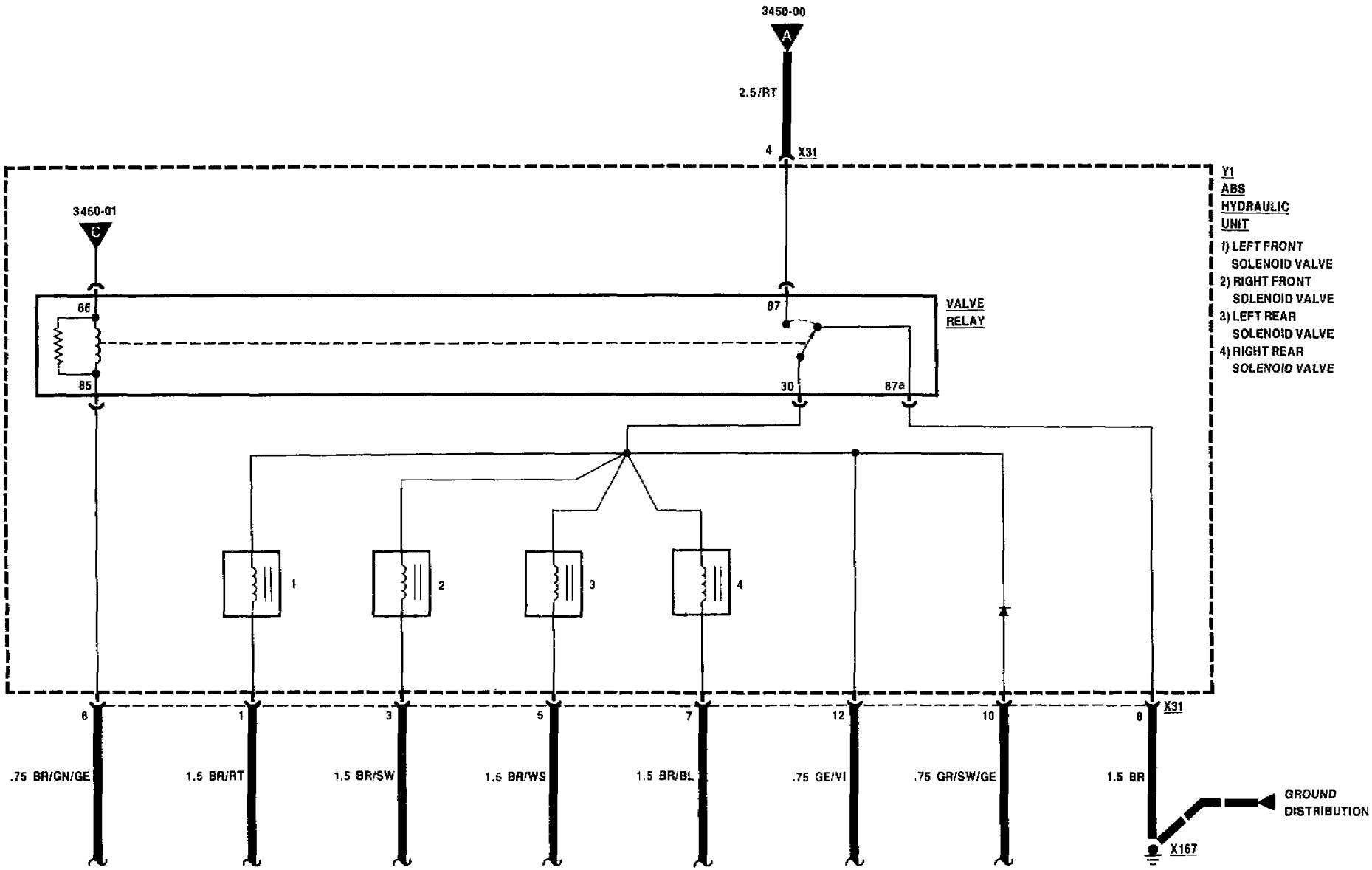
carDiagn.com

ANTILOCK BRAKE SYSTEM (ABS)

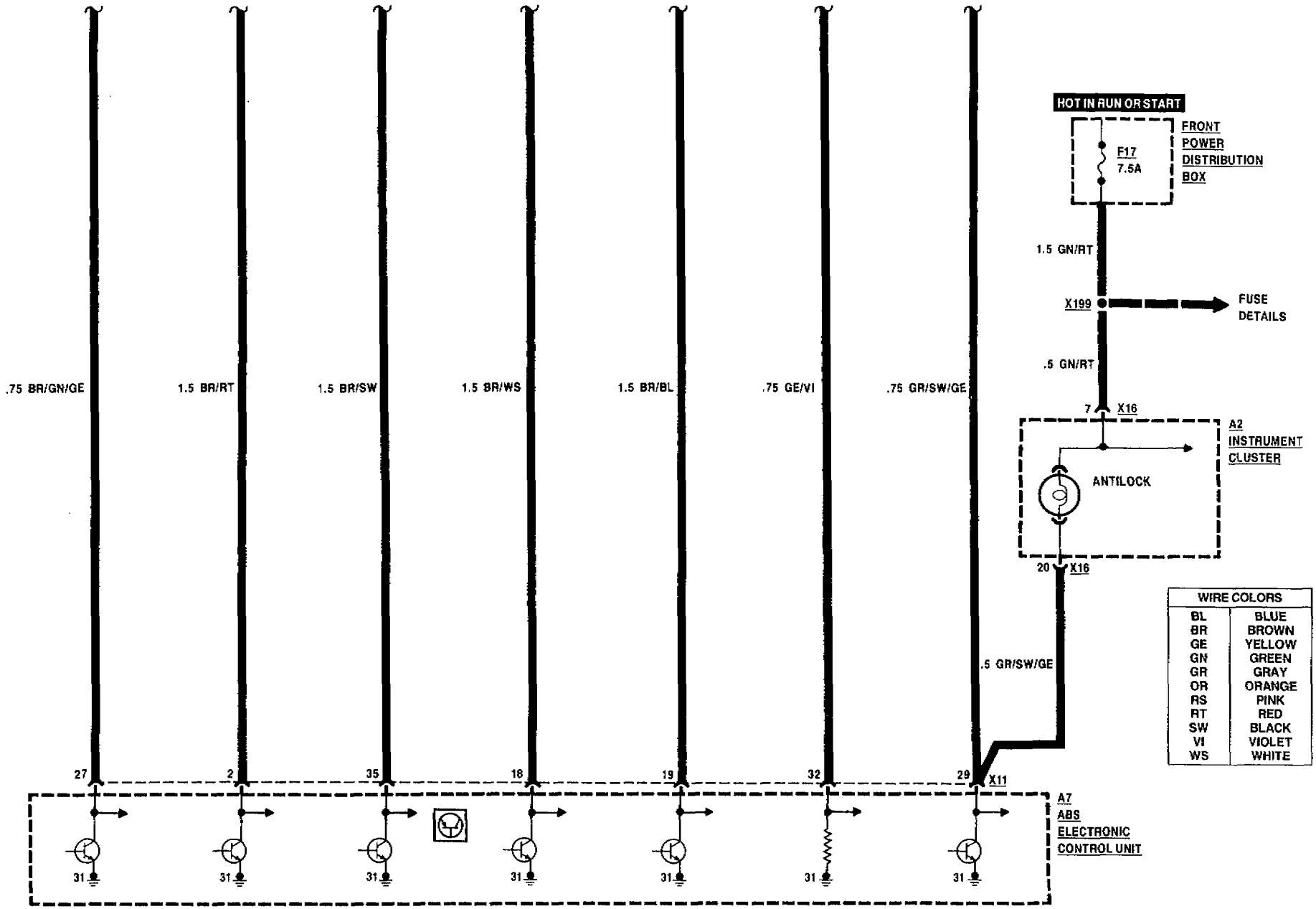


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com



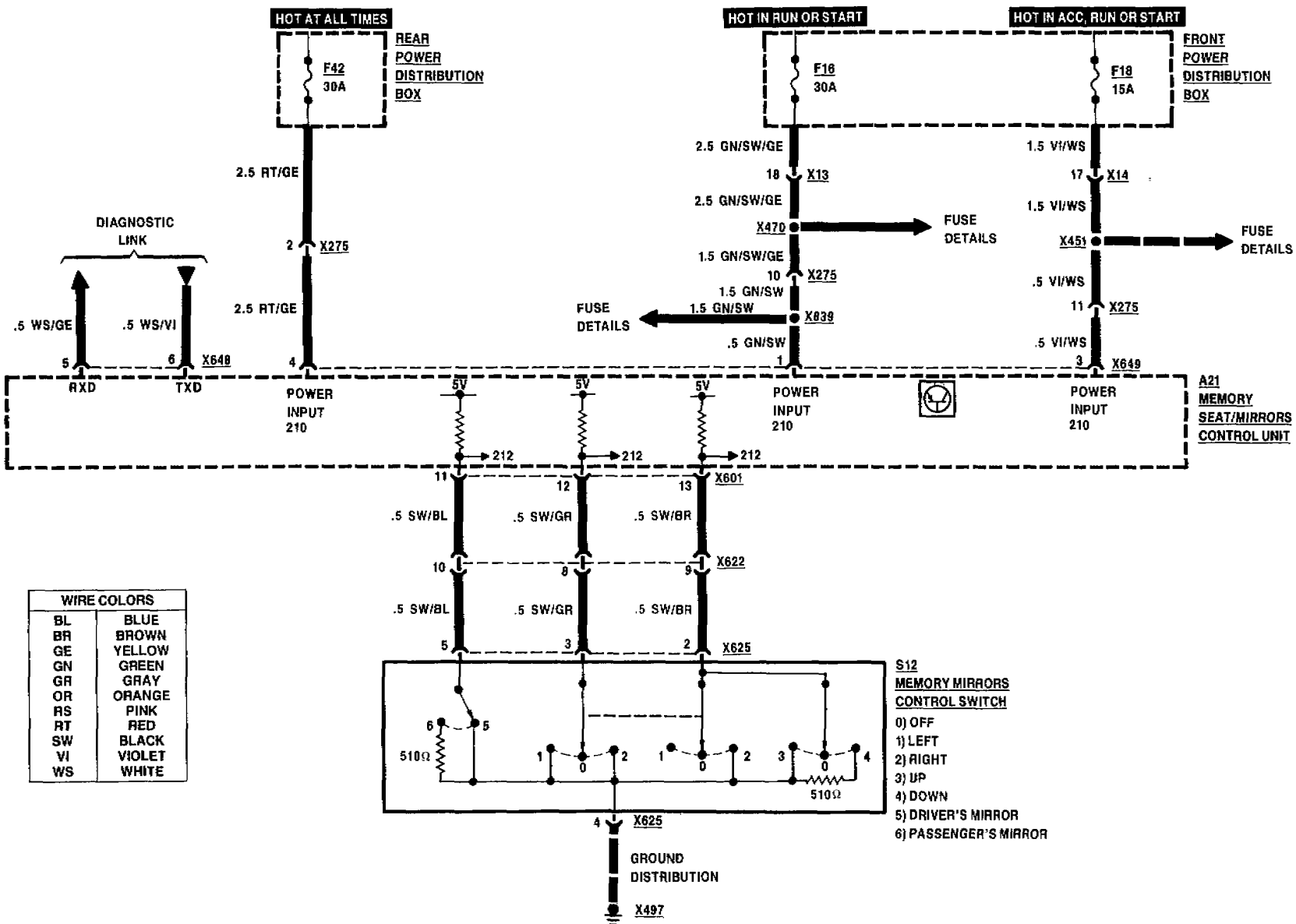
cardiagn.com



WIRE COLORS	
BL	BLUE
BR	BROWN
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GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

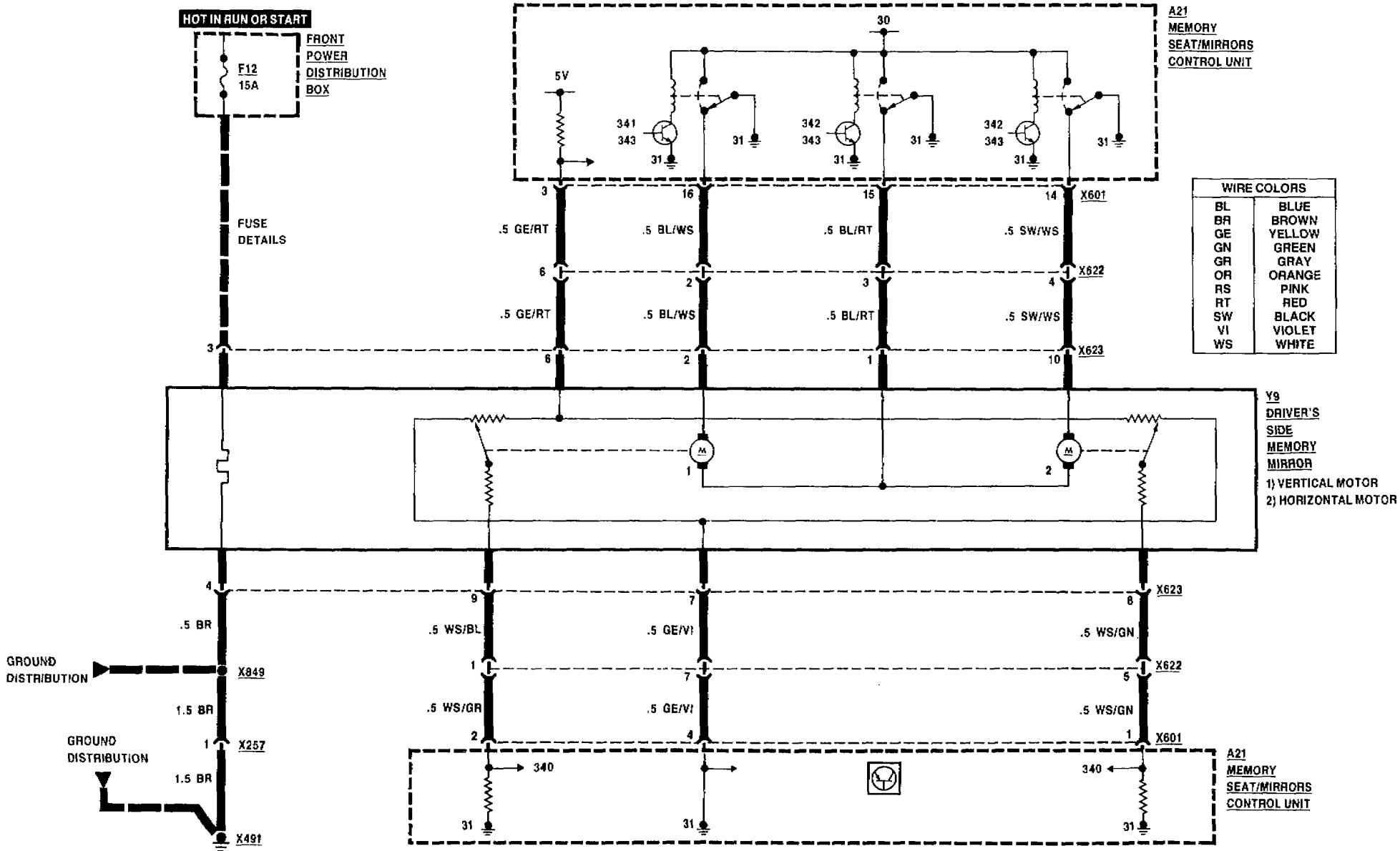
MEMORY MIRRORS



WIRE COLORS	
BL	BLUE
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GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

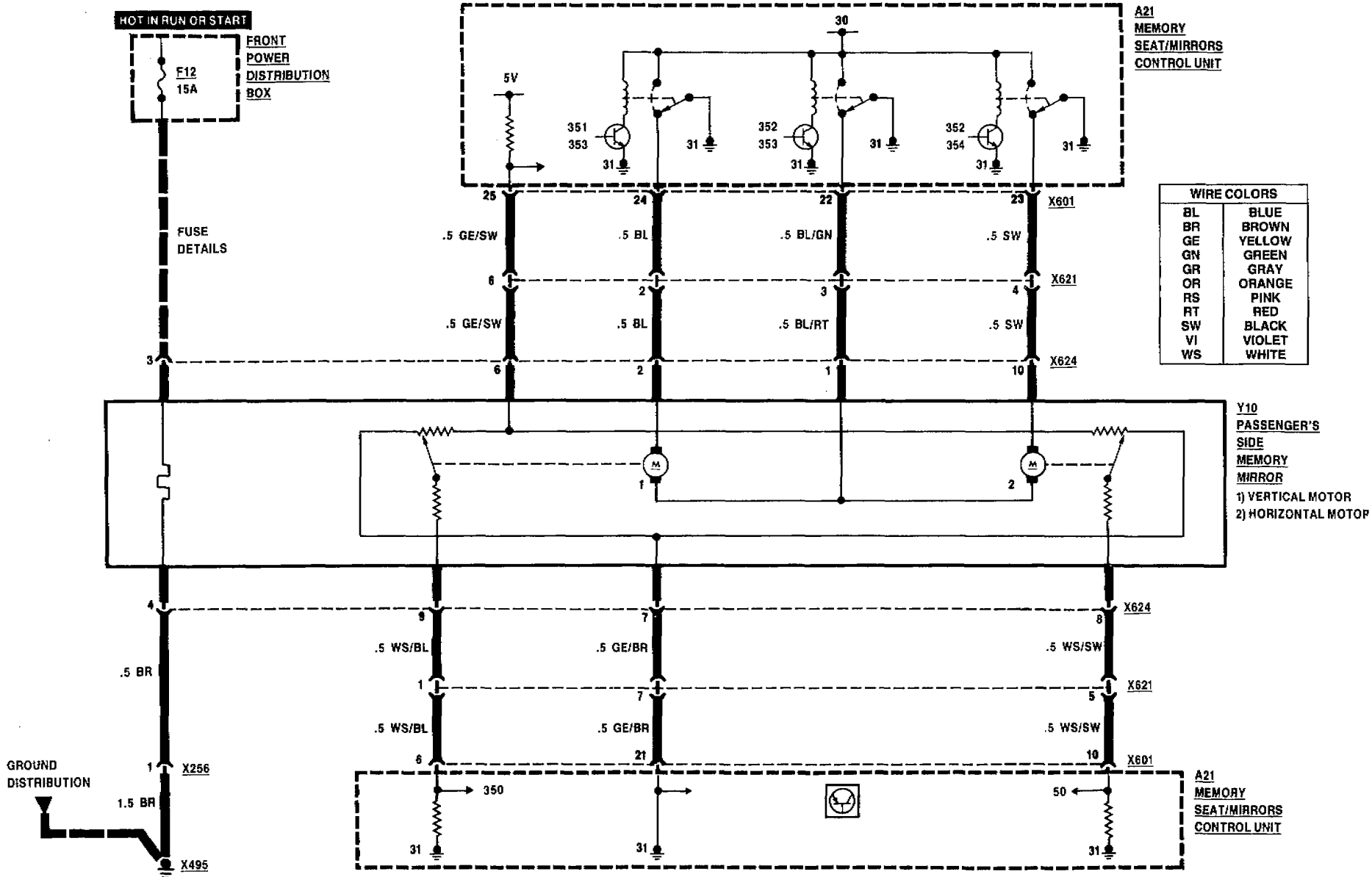
cardiagn.com

MEMORY MIRRORS



cardiagn.com

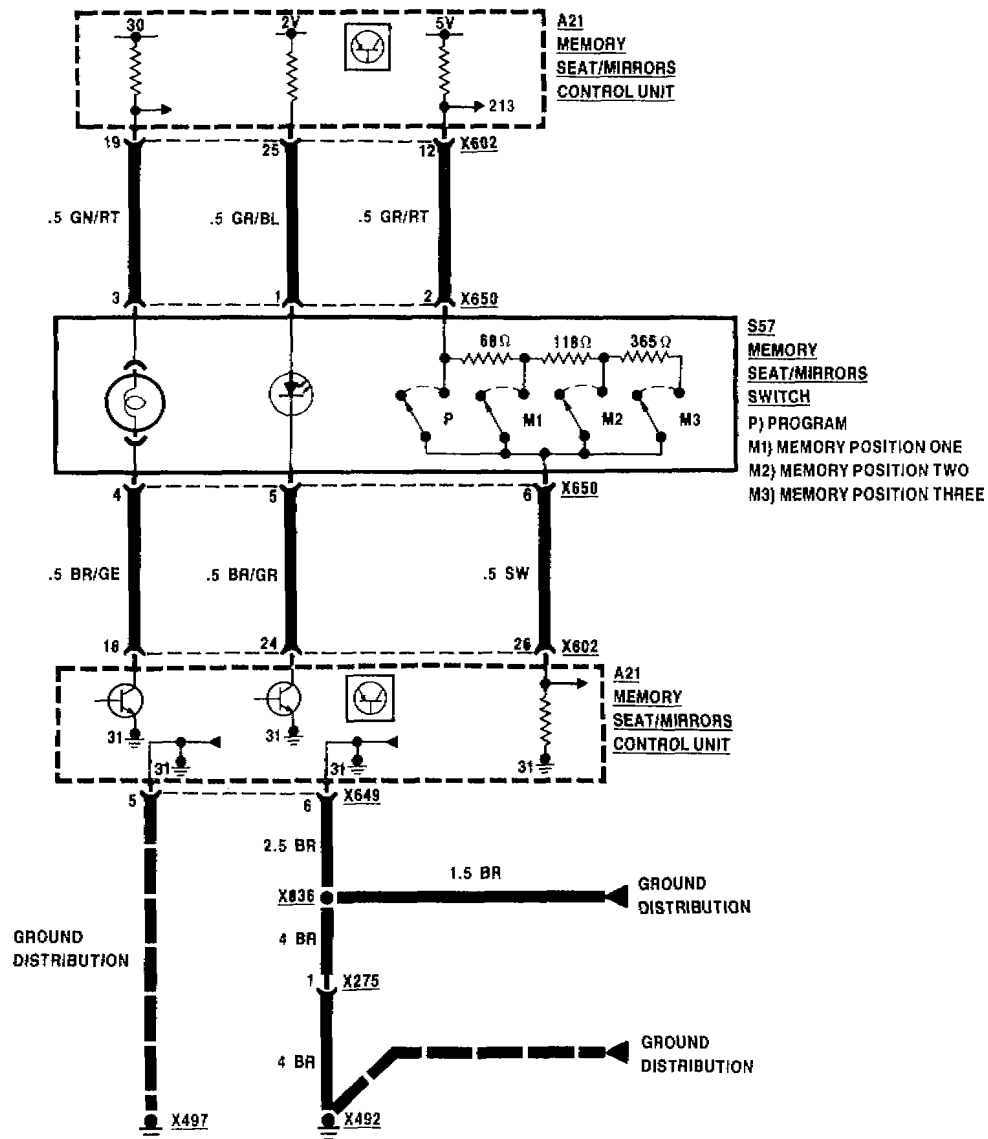
MEMORY MIRRORS



WIRE COLORS	
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GR	GRAY
OR	ORANGE
RS	PINK
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SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

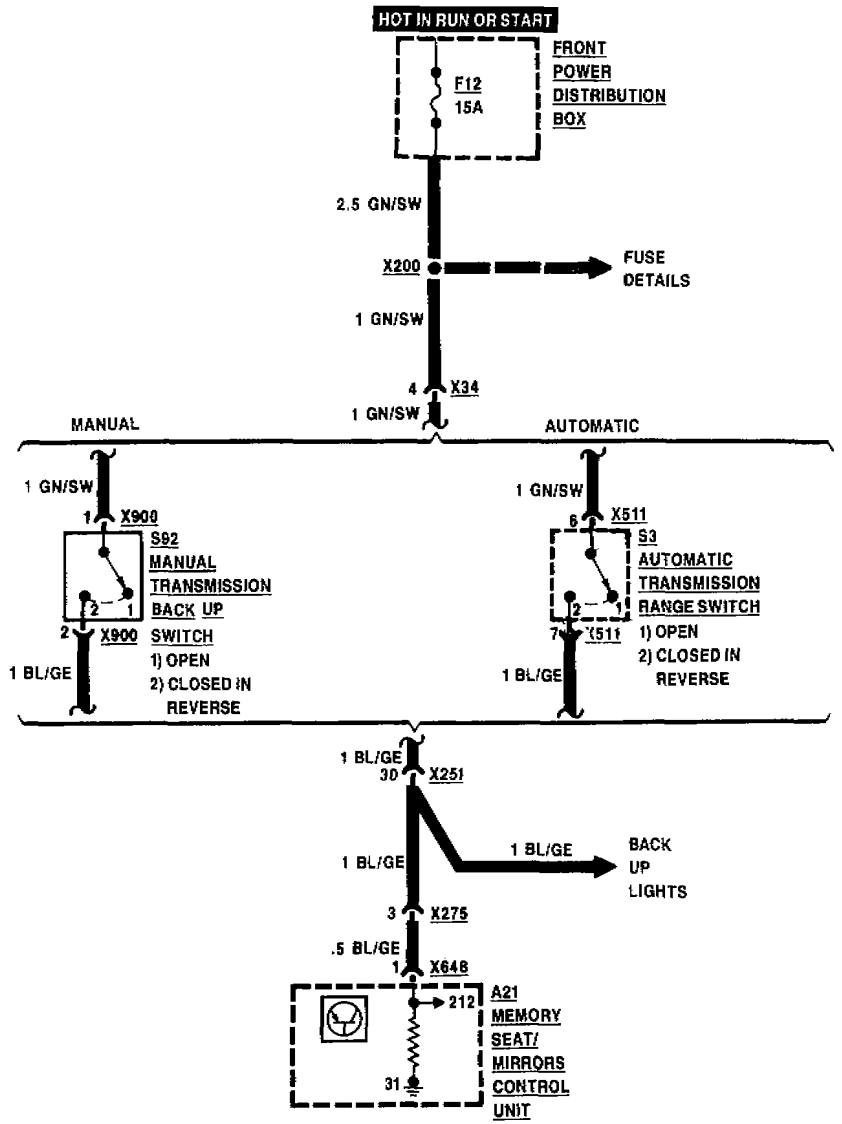
MEMORY MIRRORS



WIRE COLORS	
BL	BLUE
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GN	GREEN
GR	GRAY
OR	ORANGE
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SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

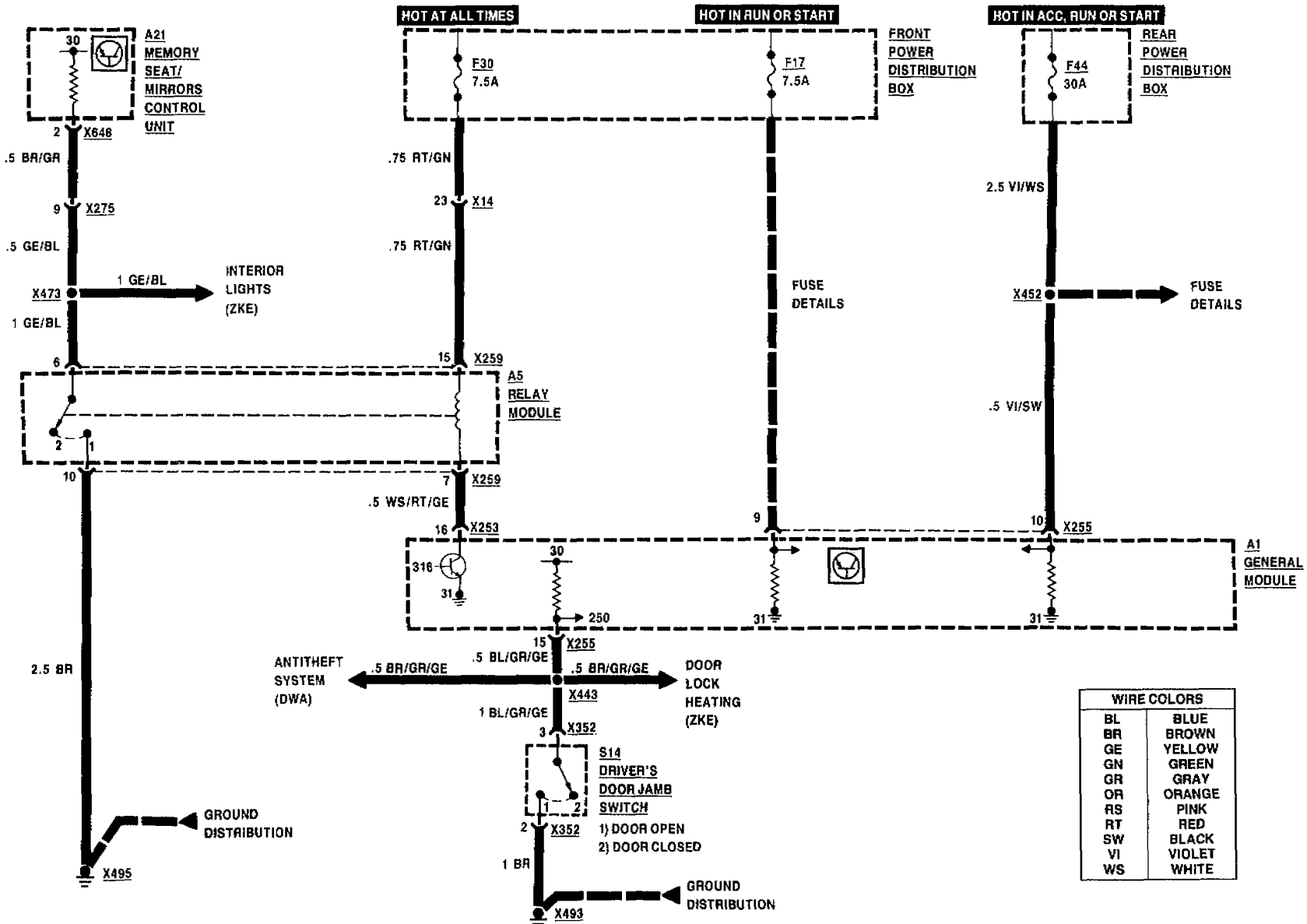
MEMORY MIRRORS



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
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GR	GRAY
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RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

MEMORY MIRRORS

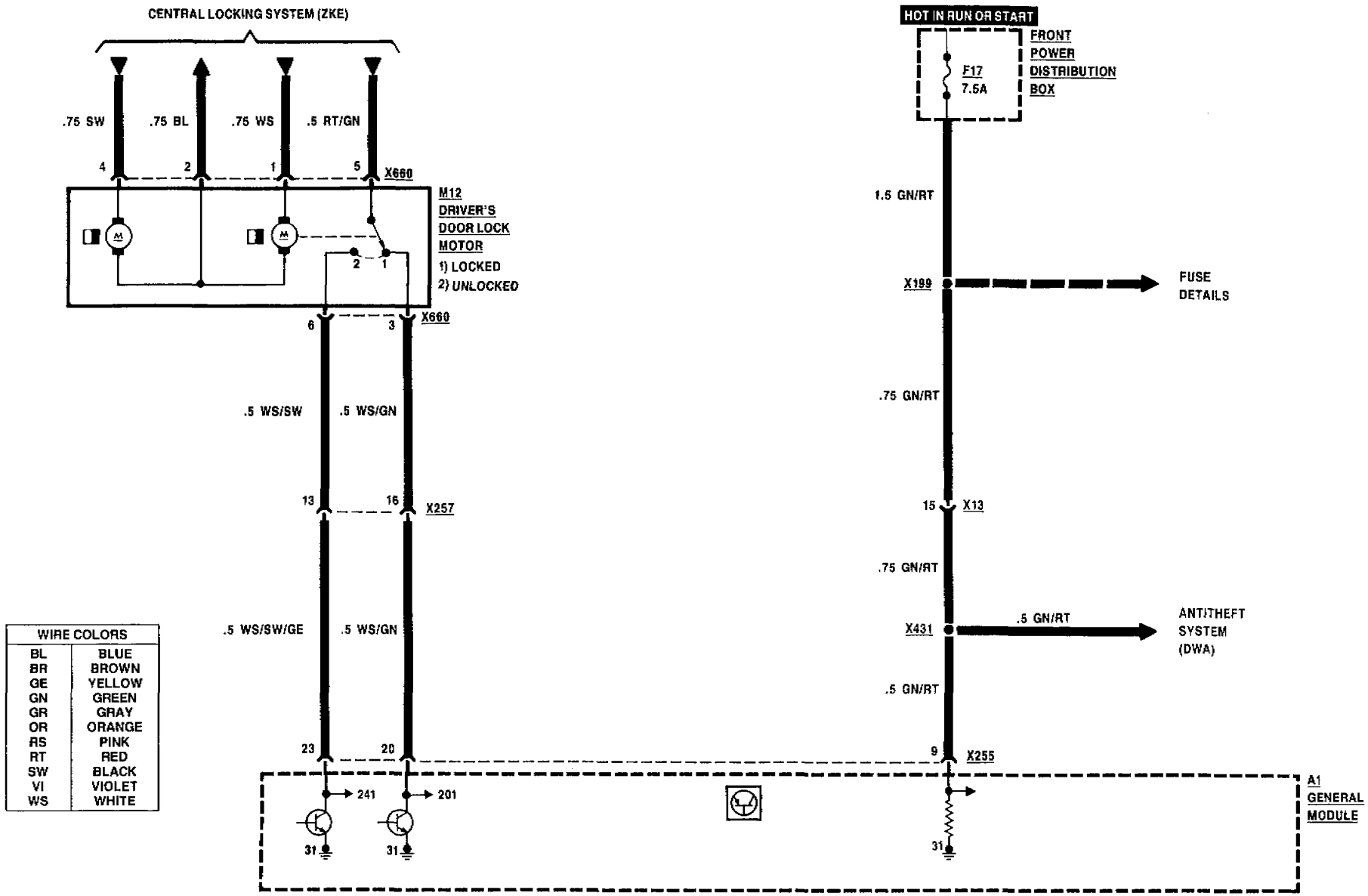


WIRE COLORS	
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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DOOR LOCK HEATING (ZKE)

INPUT DETAILS

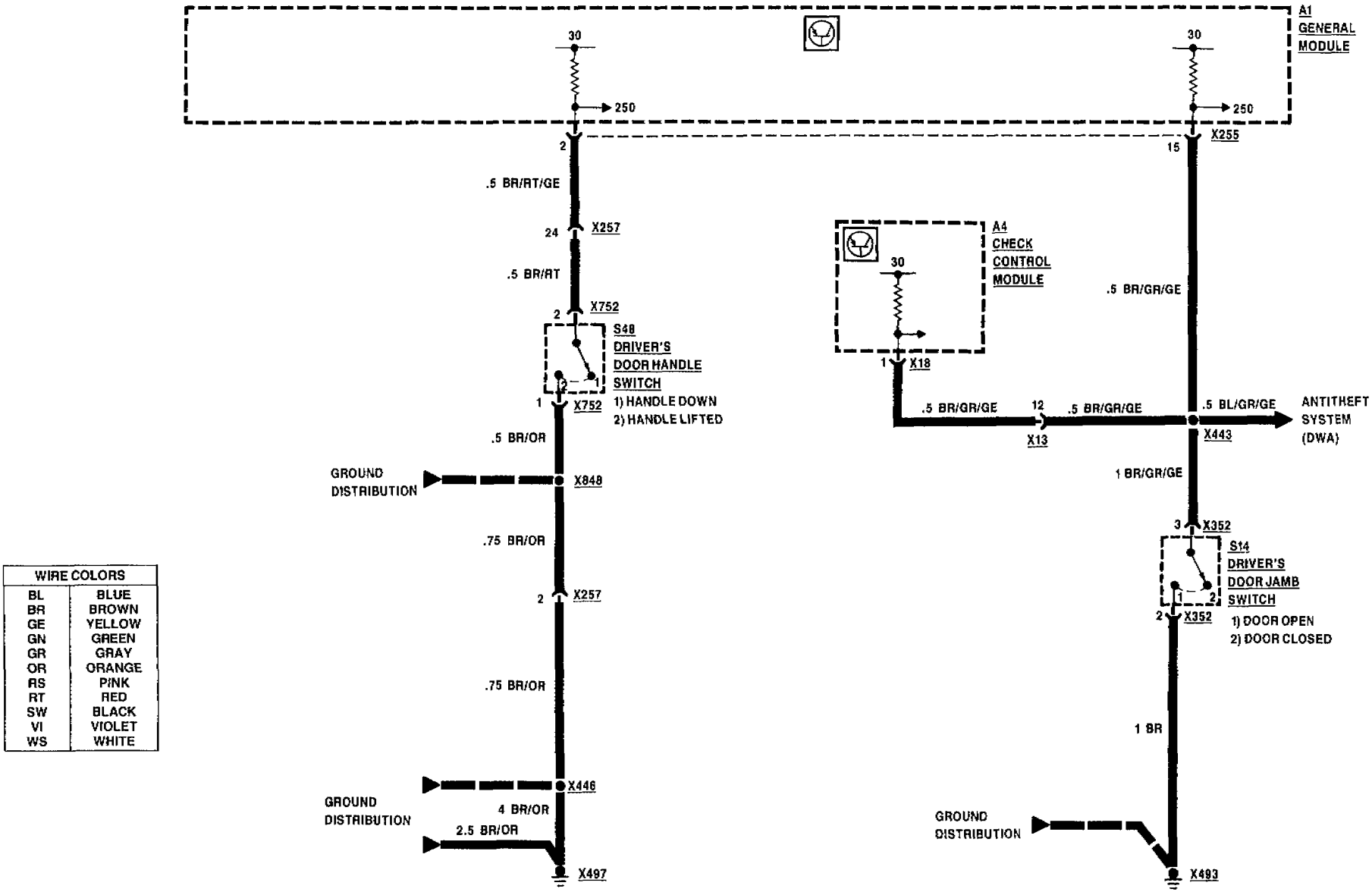


WIRE COLORS	
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BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carplagn.com

DOOR LOCK HEATING (ZKE)

INPUT DETAILS

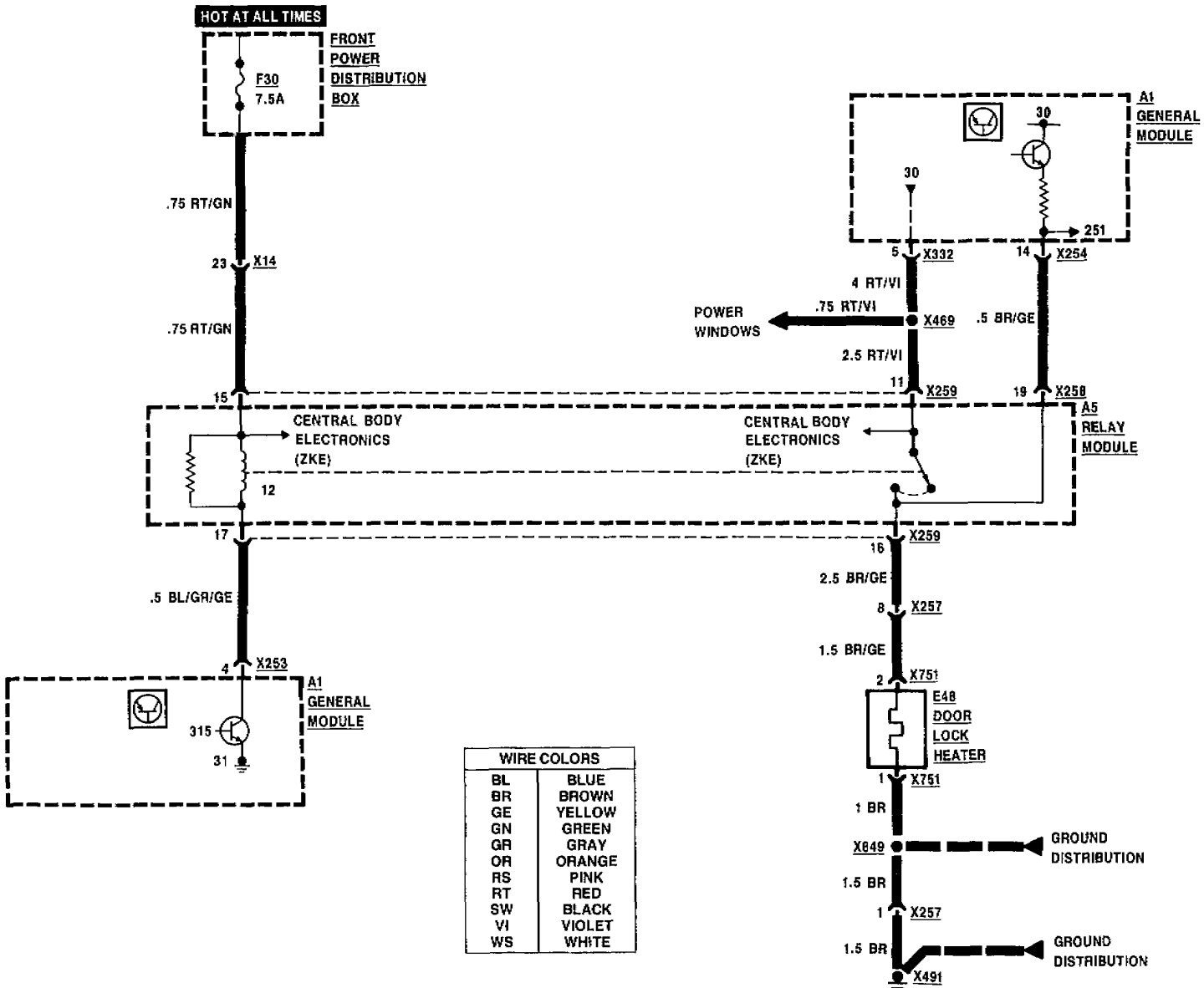


WIRE COLORS	
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GE	YELLOW
GN	GREEN
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RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

DOOR LOCK HEATING (ZKE)

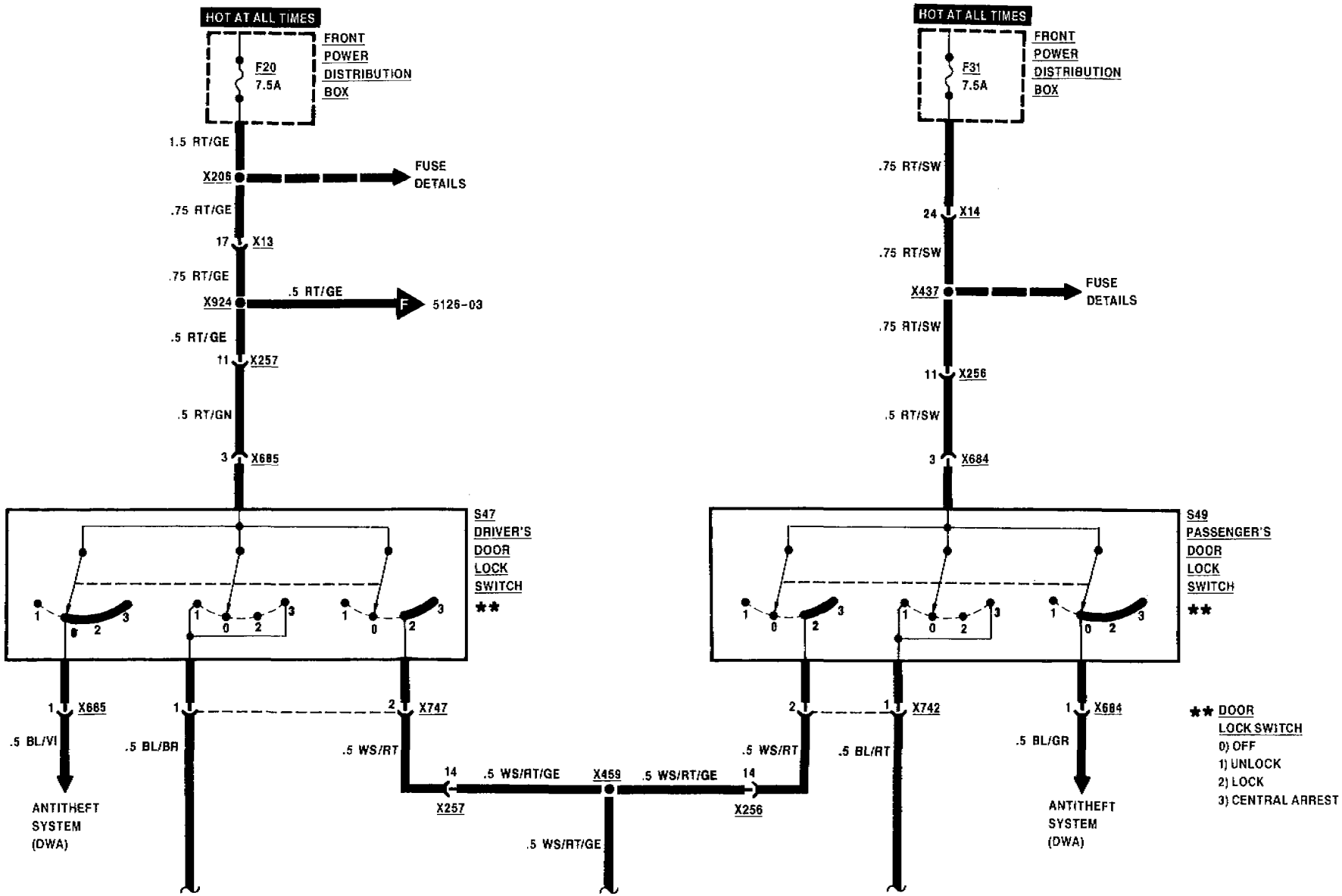
OUTPUT DETAILS



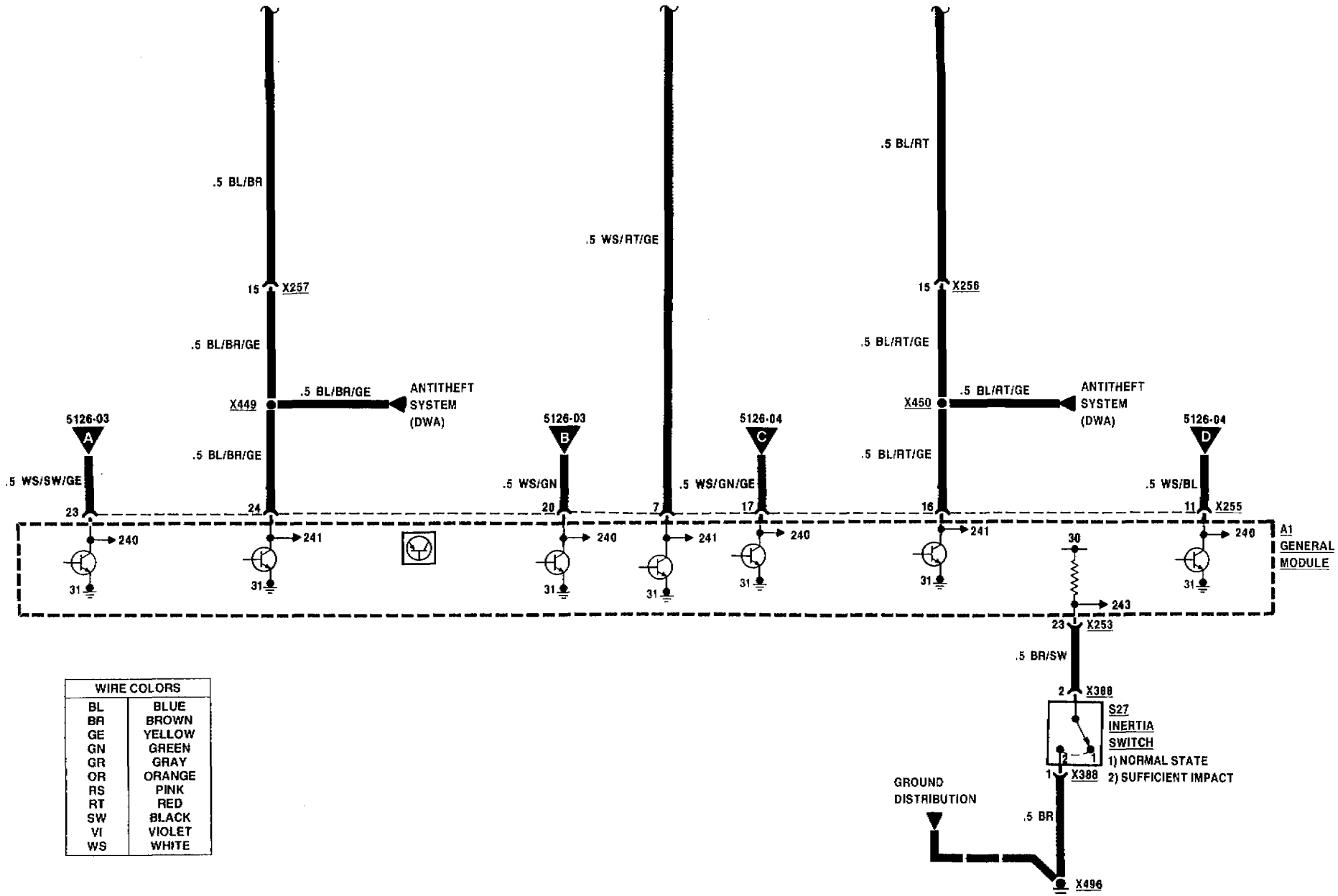
cardiagn.com

CENTRAL LOCKING SYSTEM (ZKE)

INPUT DETAILS



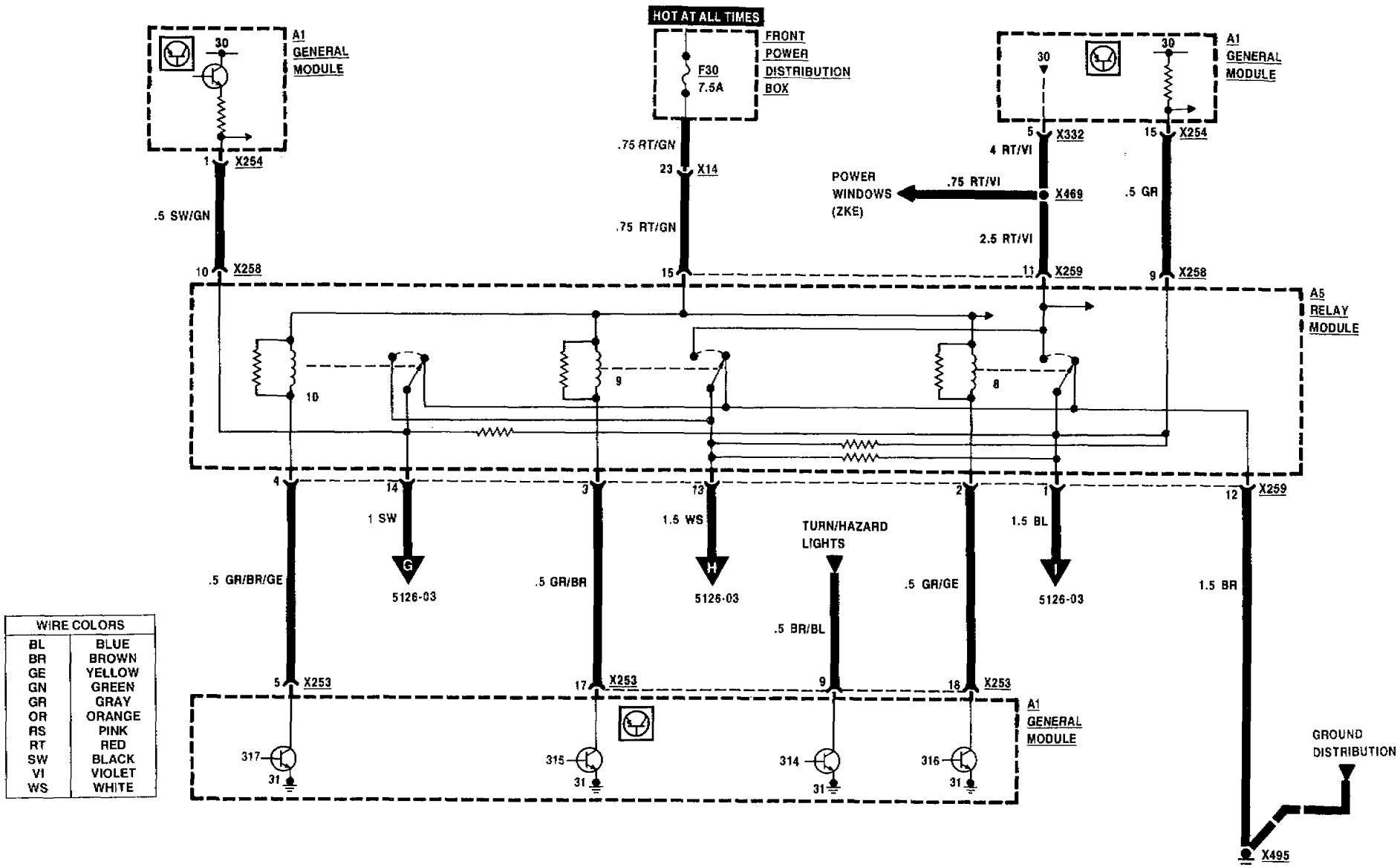
carplan.com



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

carDiagn.com

CENTRAL LOCKING SYSTEM (ZKE)
OUTPUT DETAILS

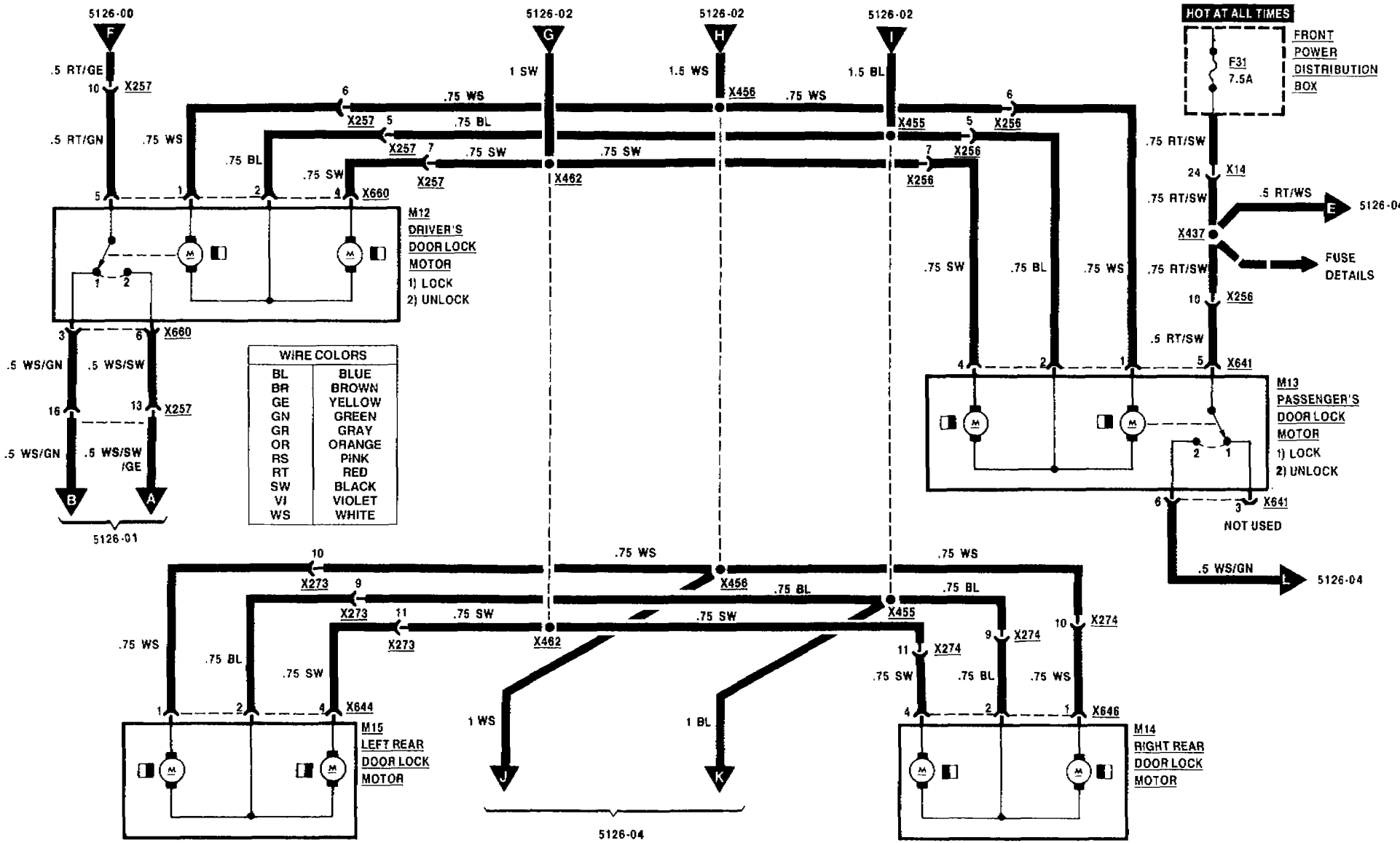


WIRE COLORS	
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

CENTRAL LOCKING SYSTEM (ZKE)

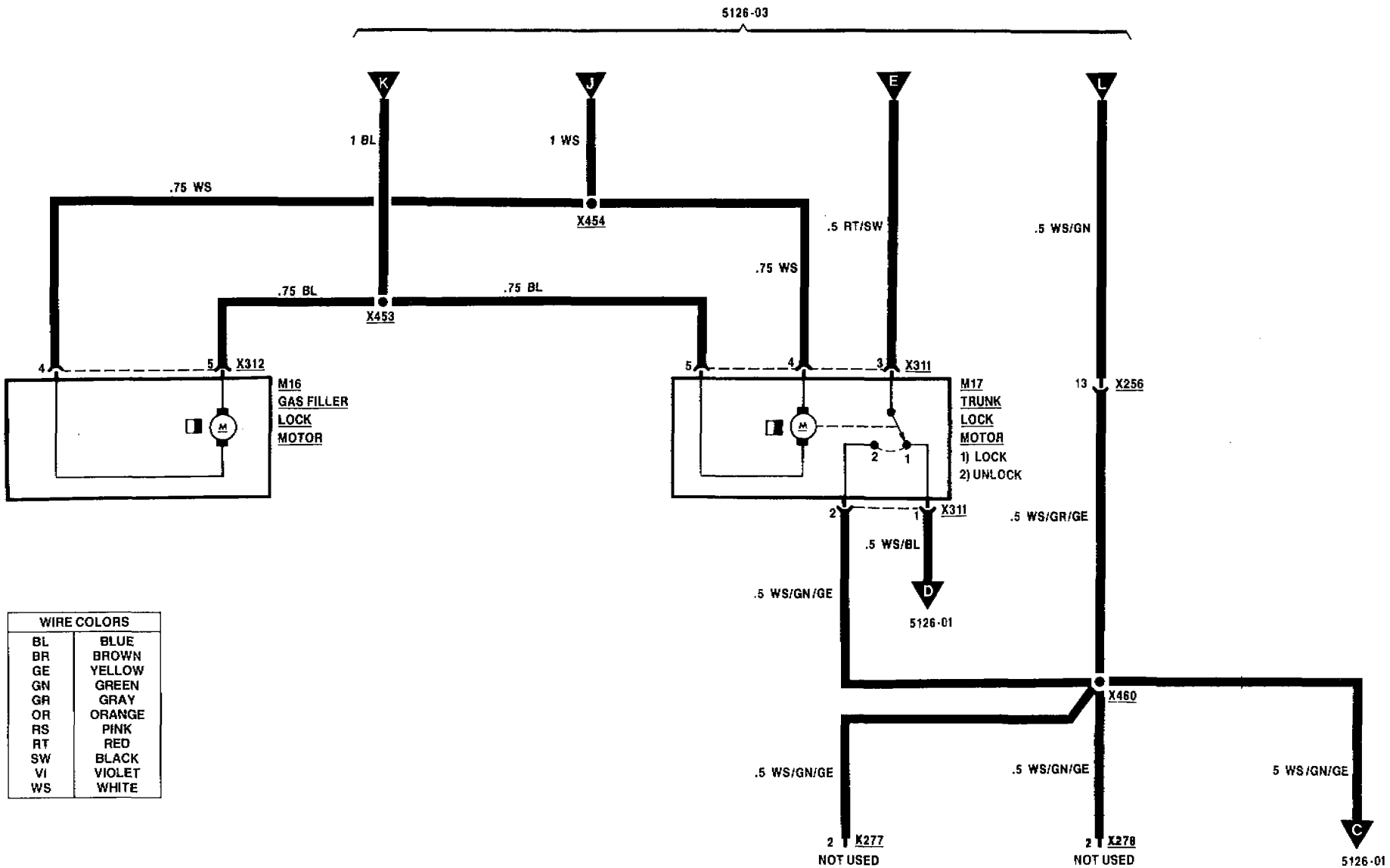
OUTPUT DETAILS



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CENTRAL LOCKING SYSTEM (ZKE)

OUTPUT DETAILS

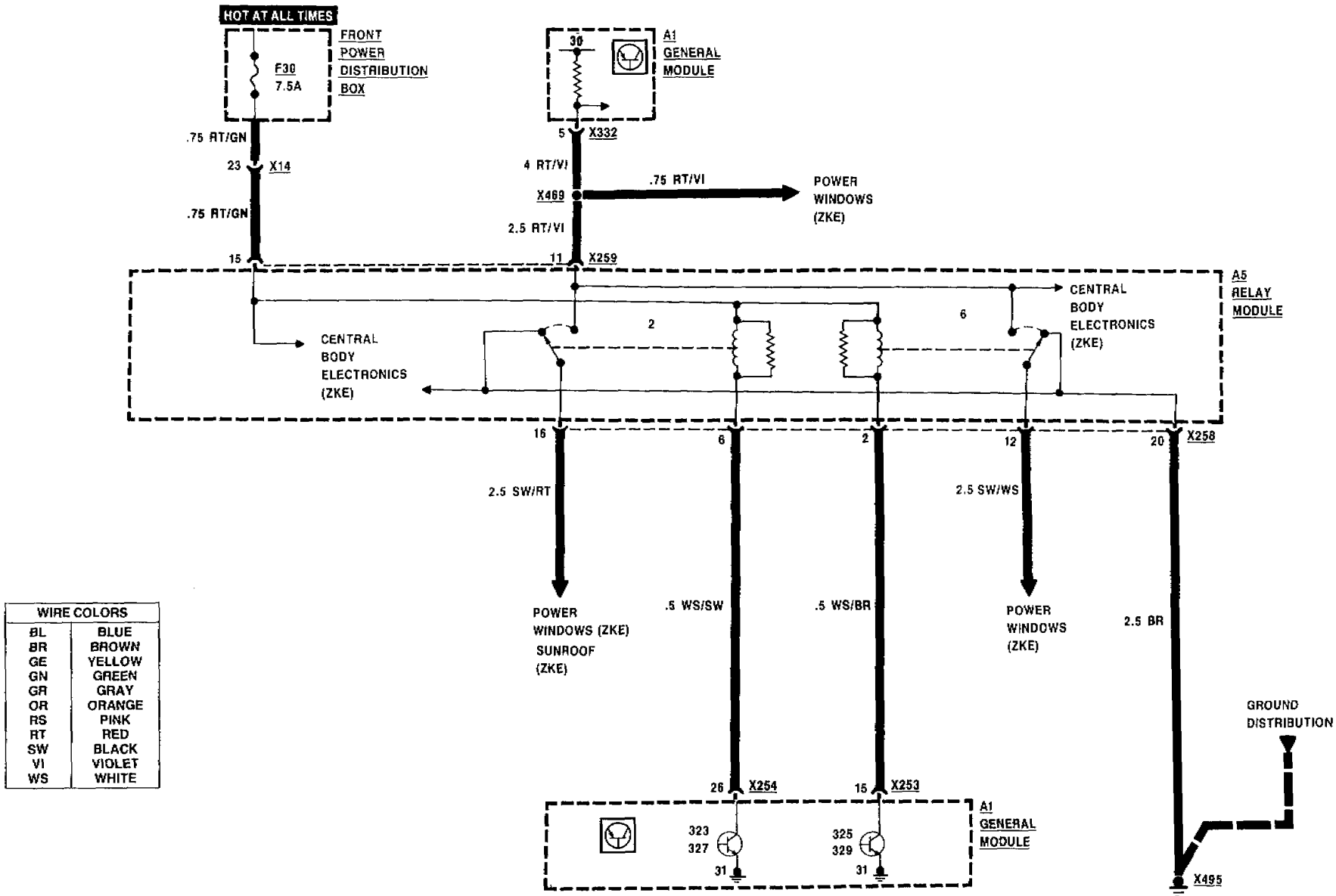


WIRE COLORS	
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GN	GREEN
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RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carDiagn.com

CENTRAL LOCKING SYSTEM (ZKE)

OUTPUT DETAILS

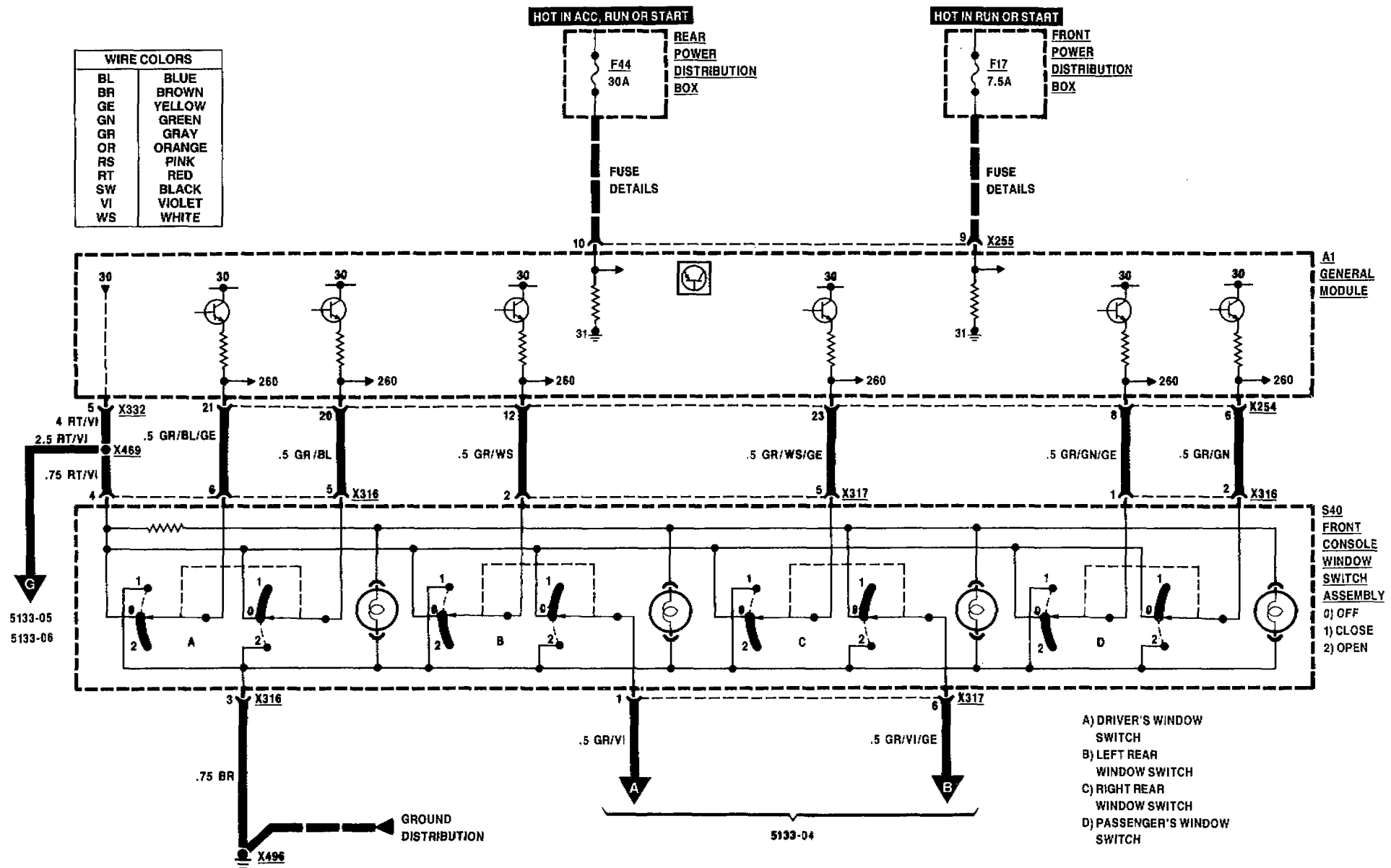


WIRE COLORS	
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GN	GREEN
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OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

POWER WINDOWS (ZKE)

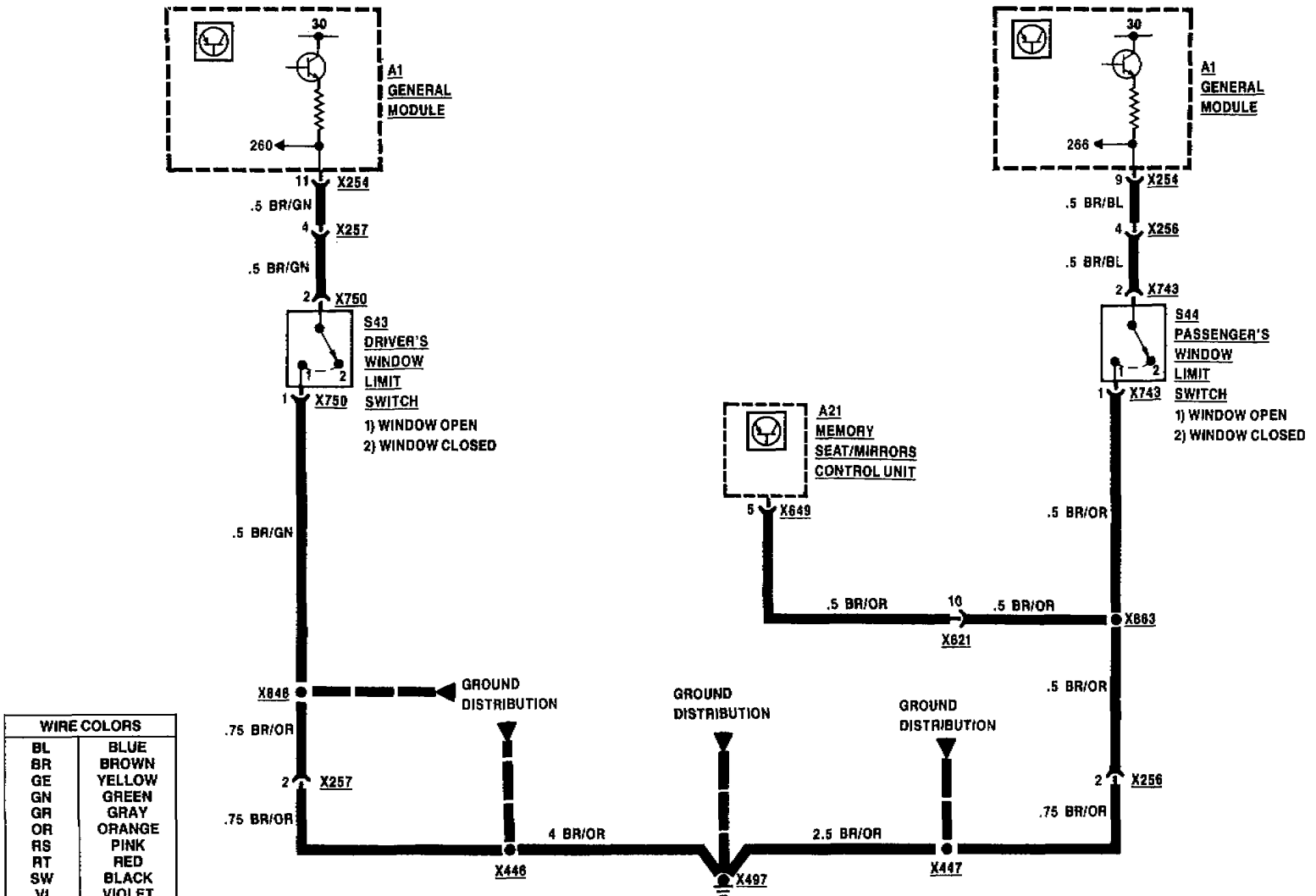
INPUT DETAILS



cardiagn.com

POWER WINDOWS (ZKE)

INPUT DETAILS

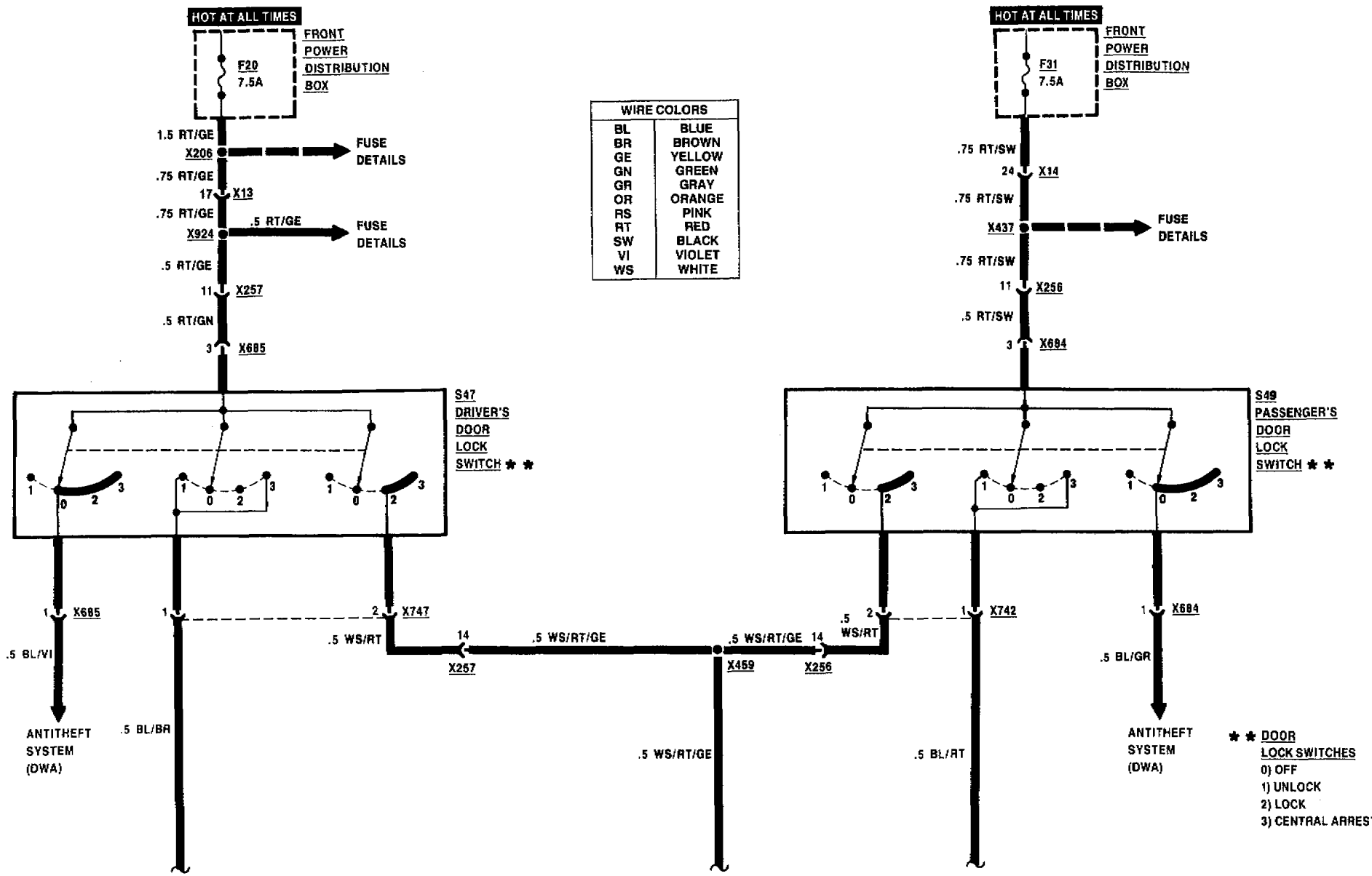


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

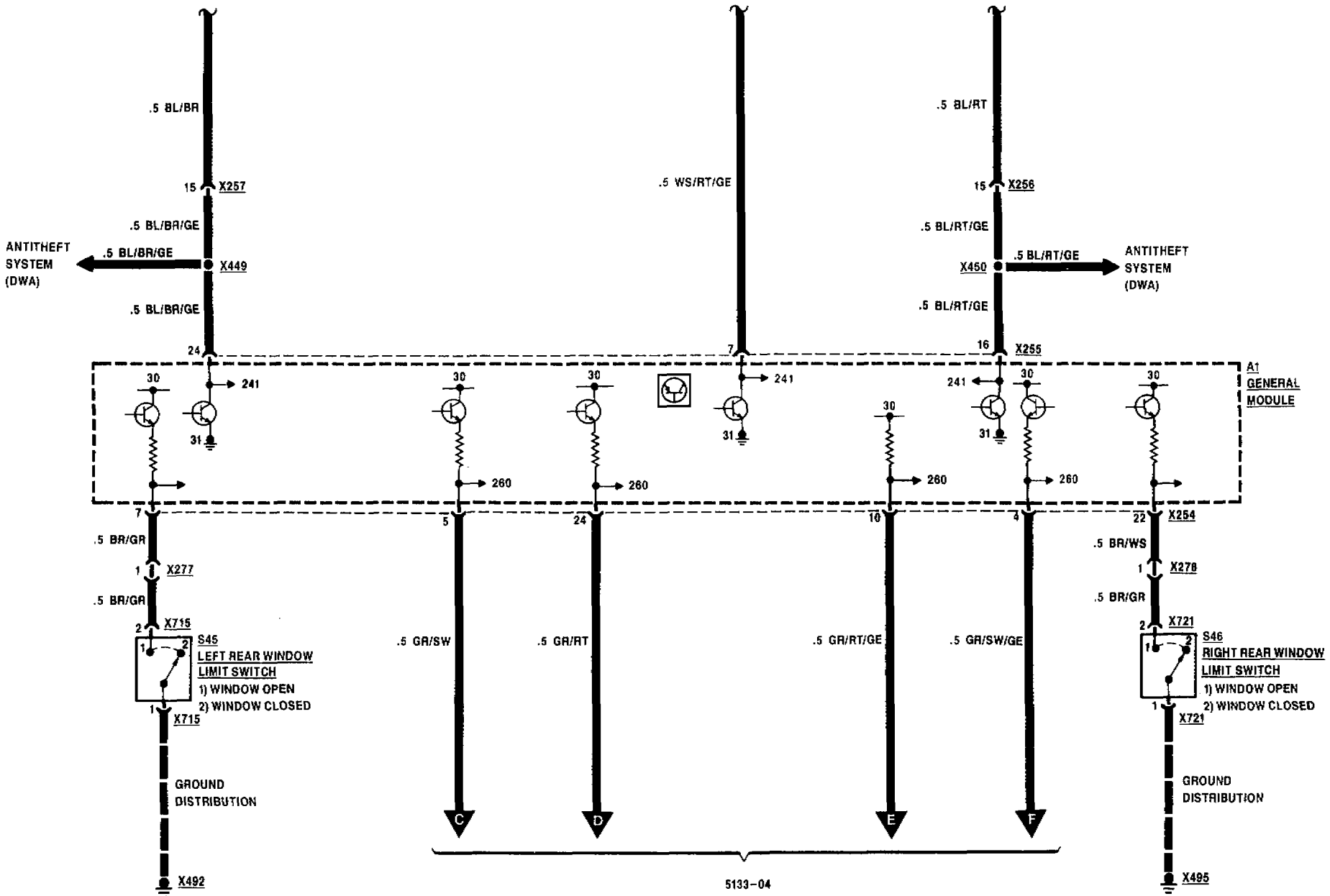
cardiagn.com

POWER WINDOWS (ZKE)

INPUT DETAILS



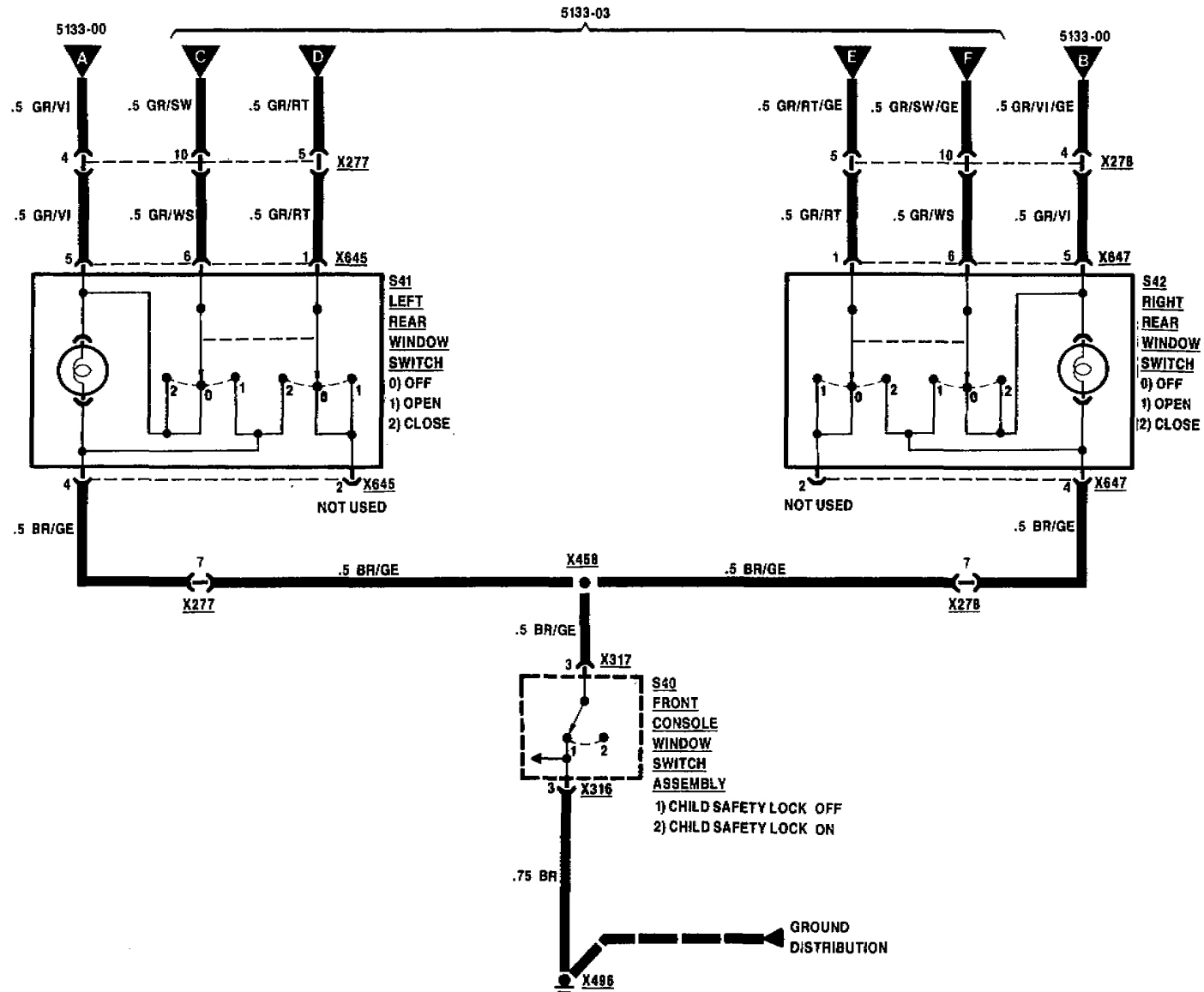
carlagn.com



cardiagn.com

POWER WINDOWS (ZKE)

INPUT DETAILS

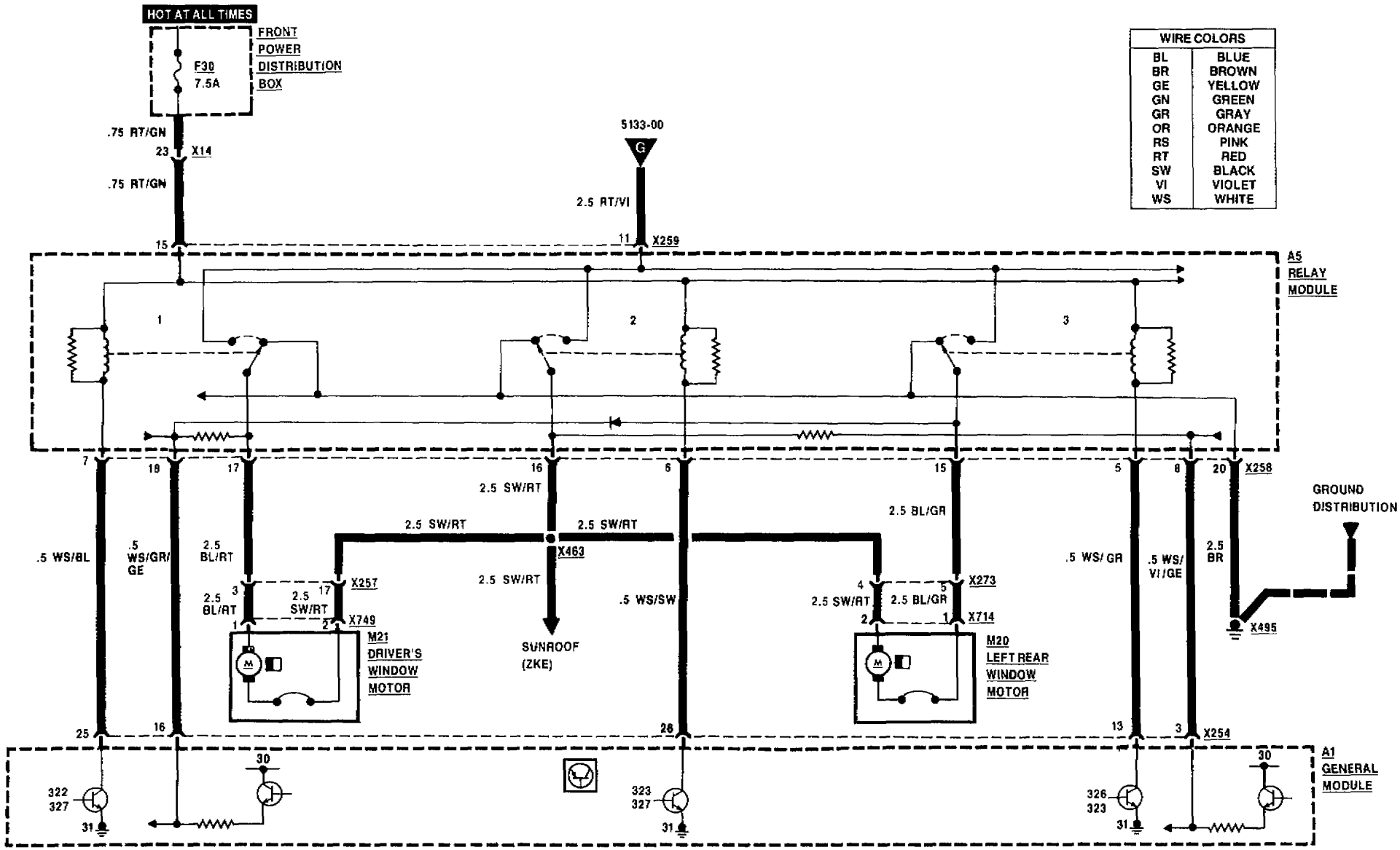


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carlagn.com

POWER WINDOWS (ZKE)

LEFT SIDE OUTPUT DETAILS

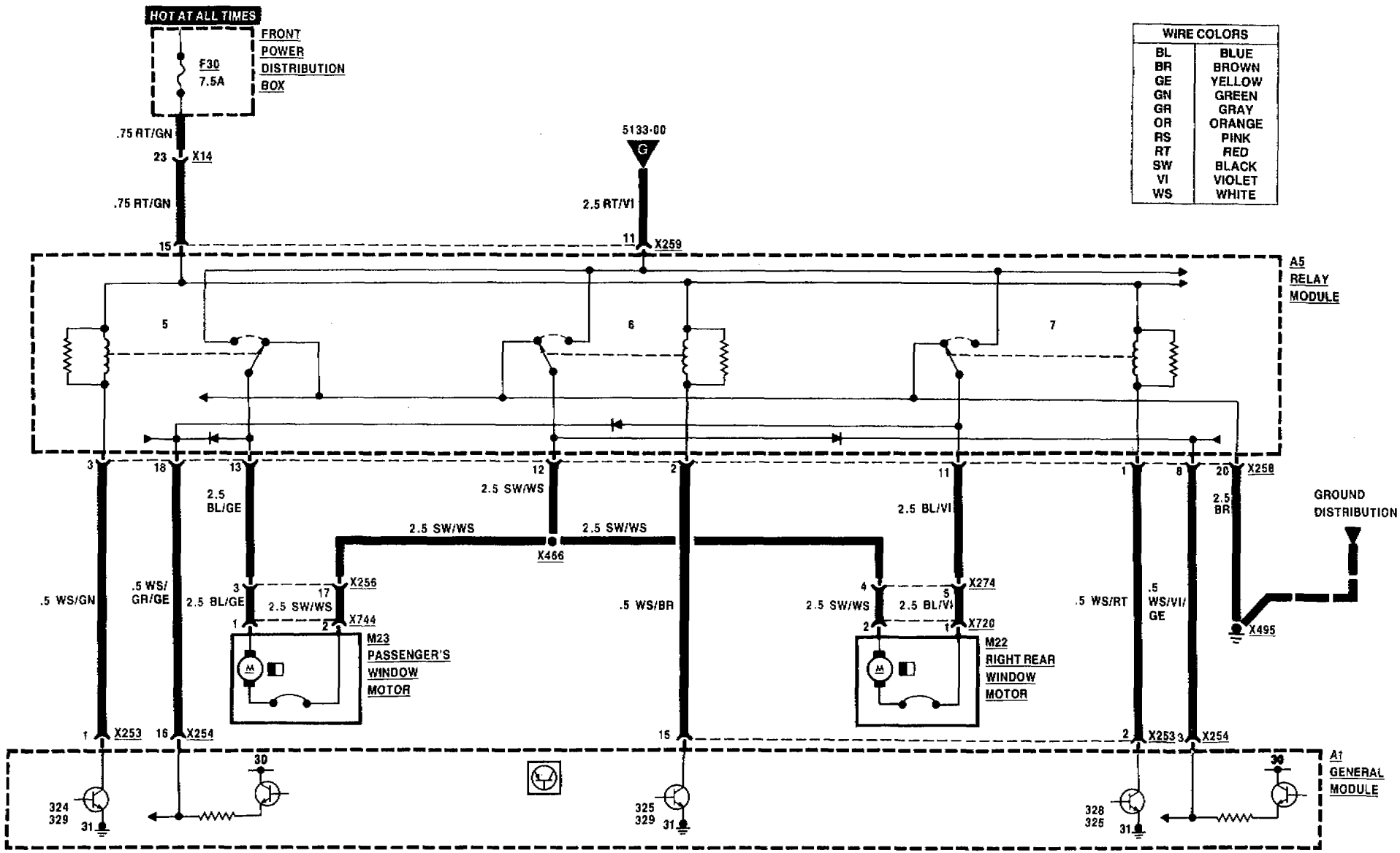


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

POWER WINDOWS (ZKE)

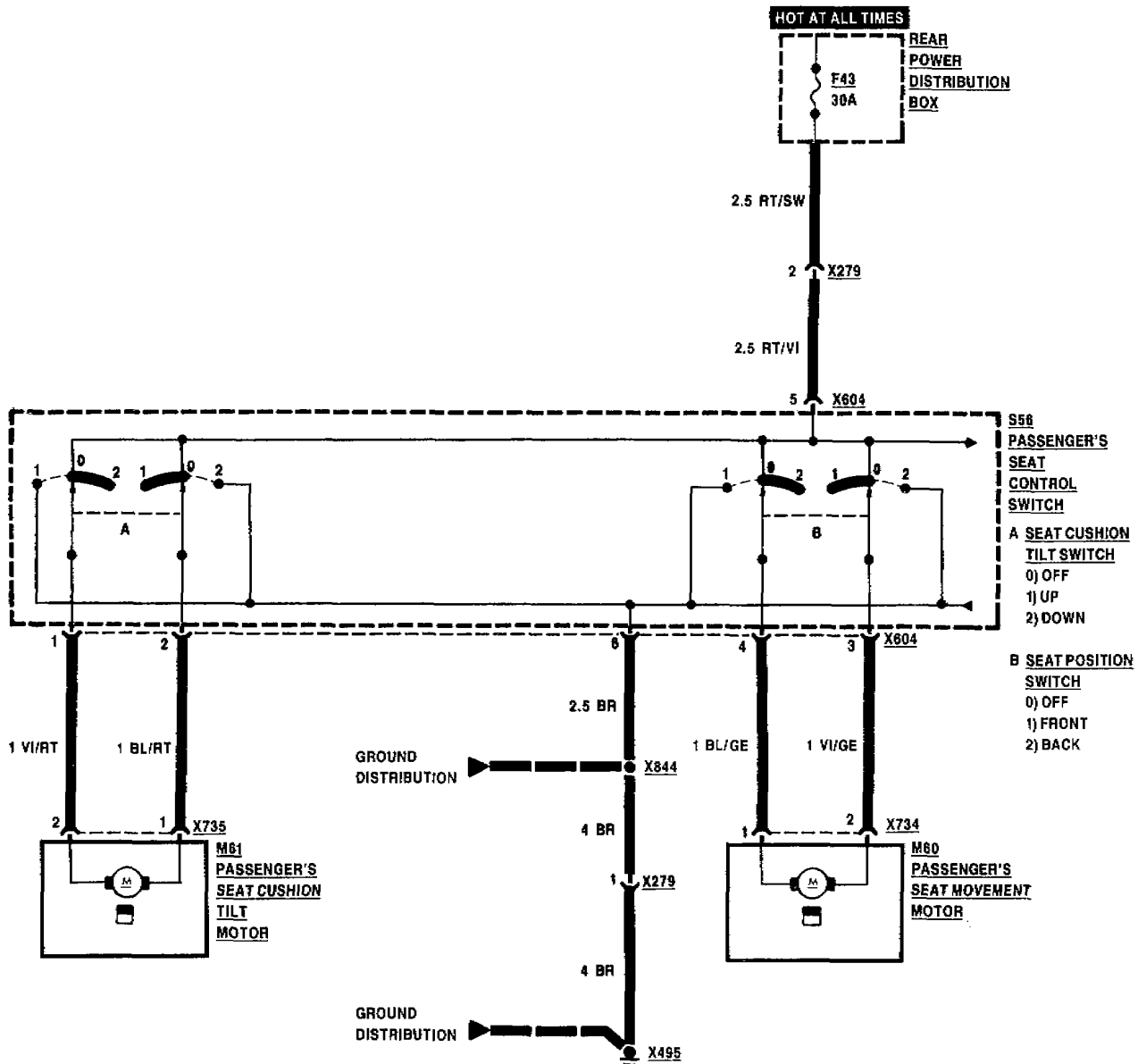
RIGHT SIDE OUTPUT DETAILS



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

cardiagn.com

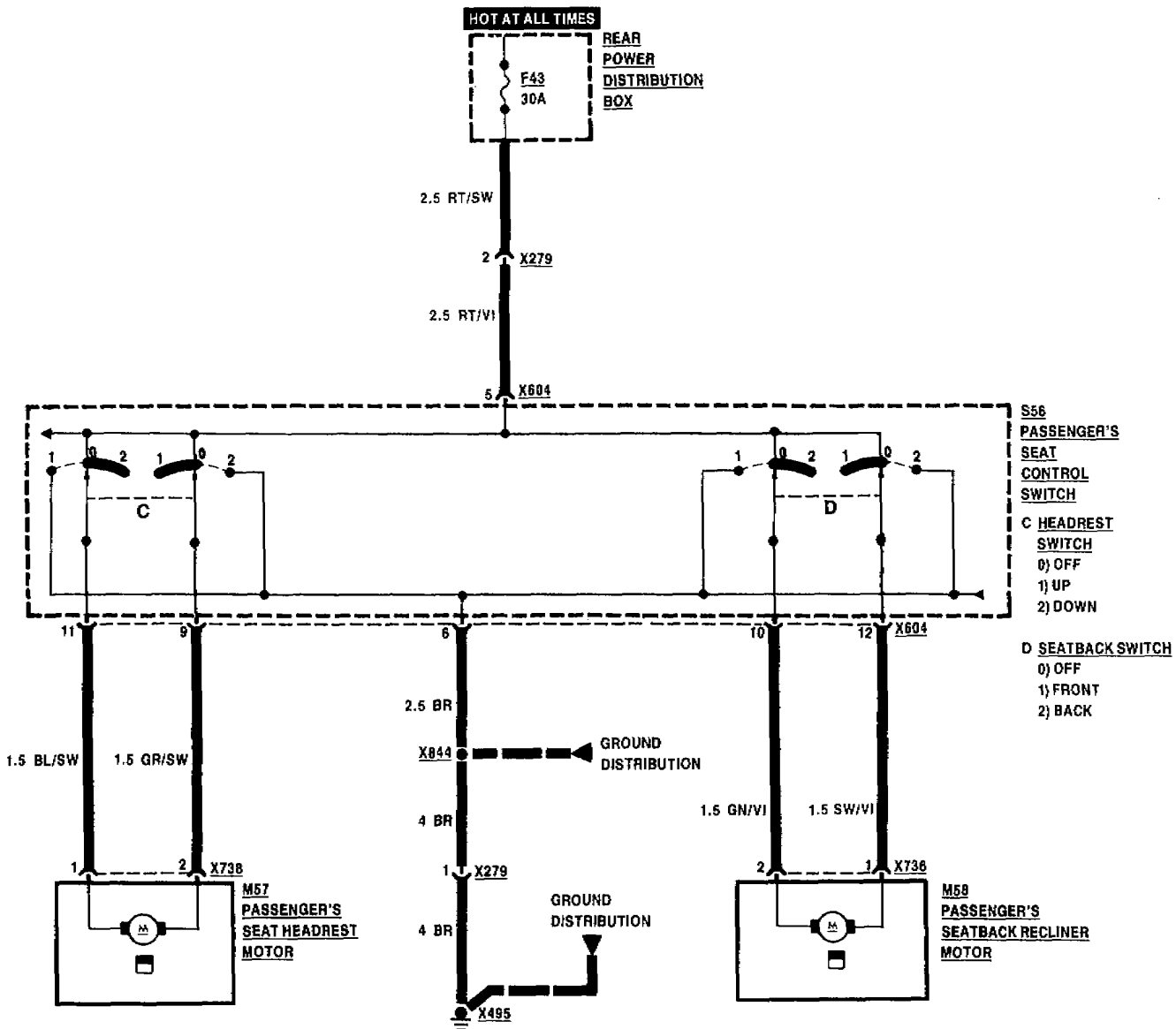
POWER SEATS
PASSENGER'S SEAT



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

cardiagn.com

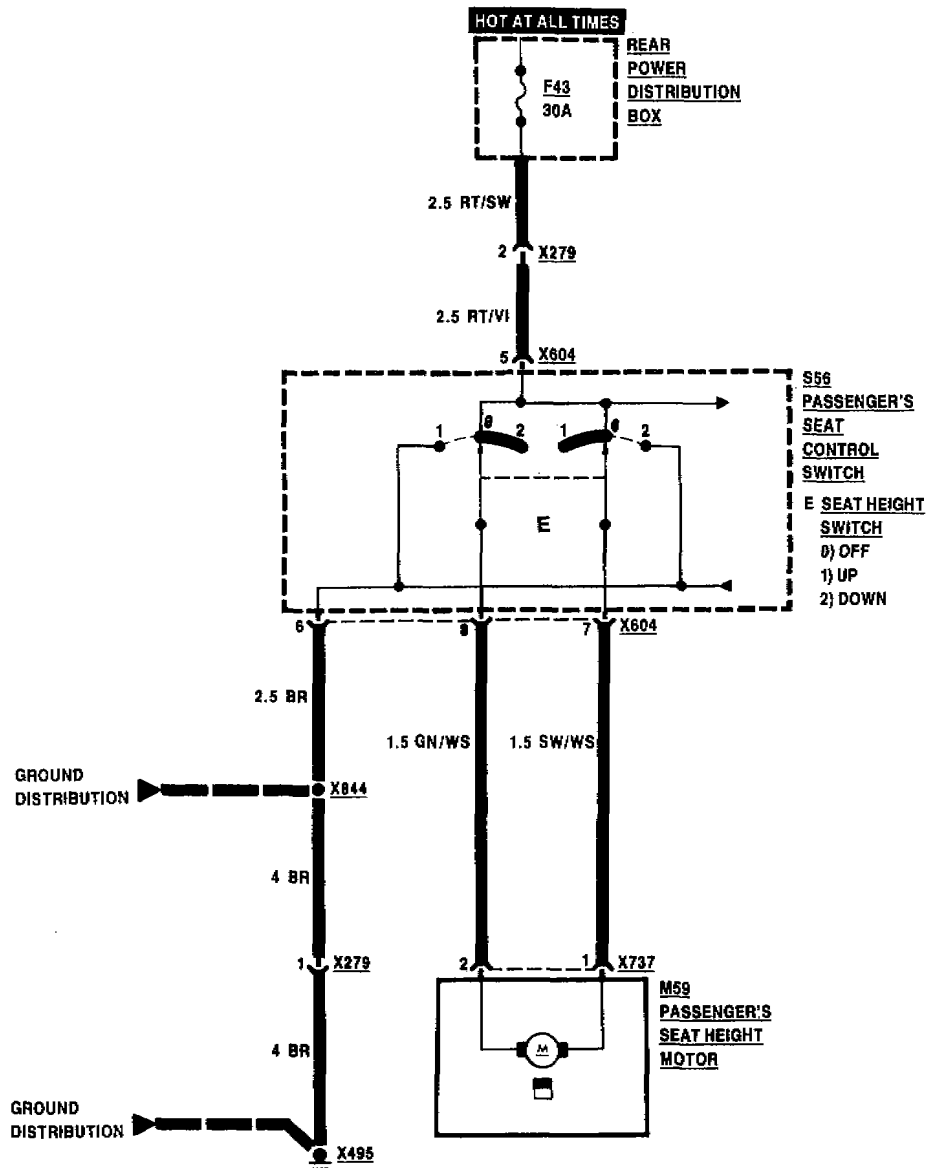
POWER SEATS
PASSENGER'S SEAT



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

cardiagn.com

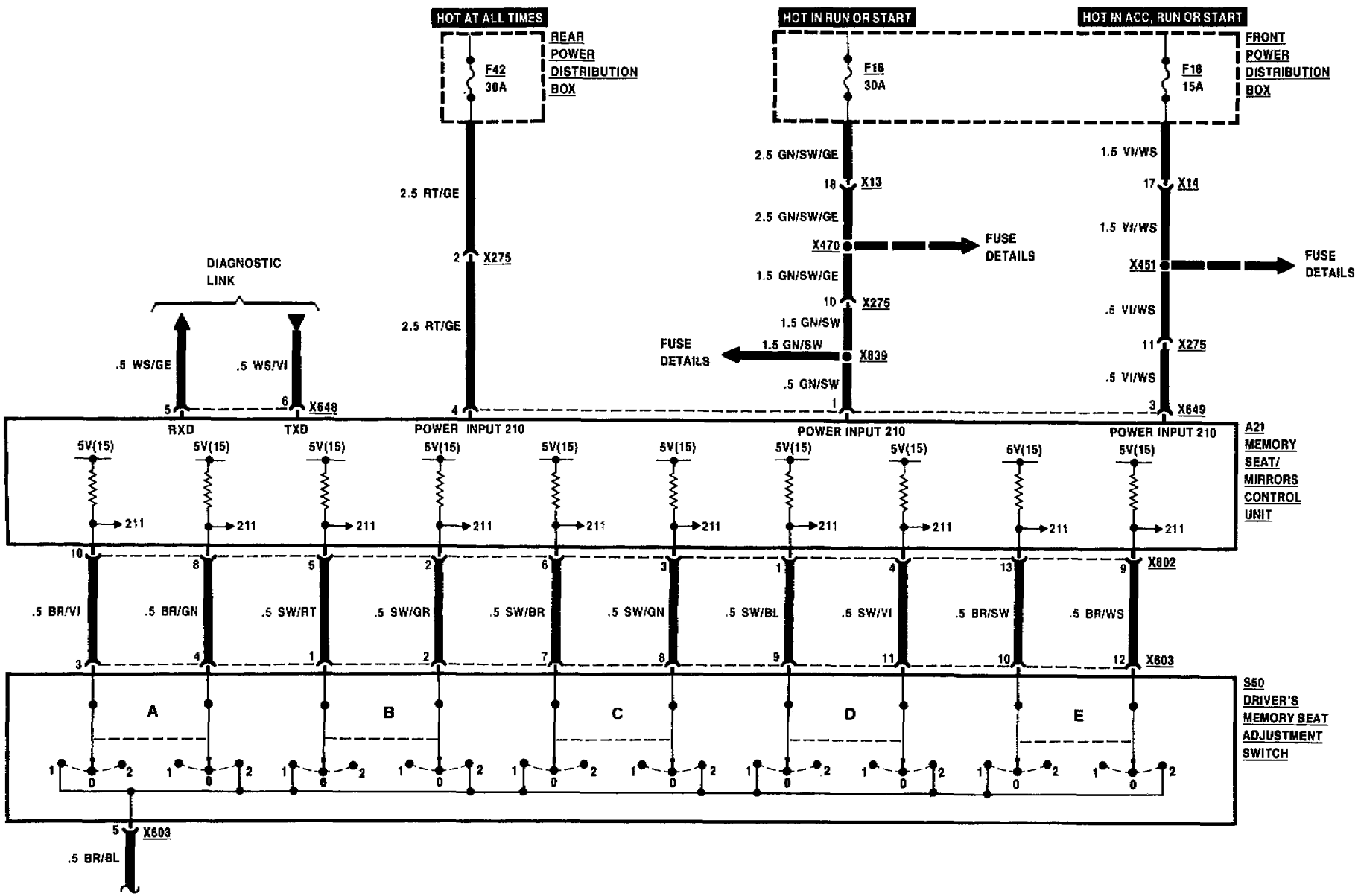
POWER SEATS
PASSENGER'S SEAT



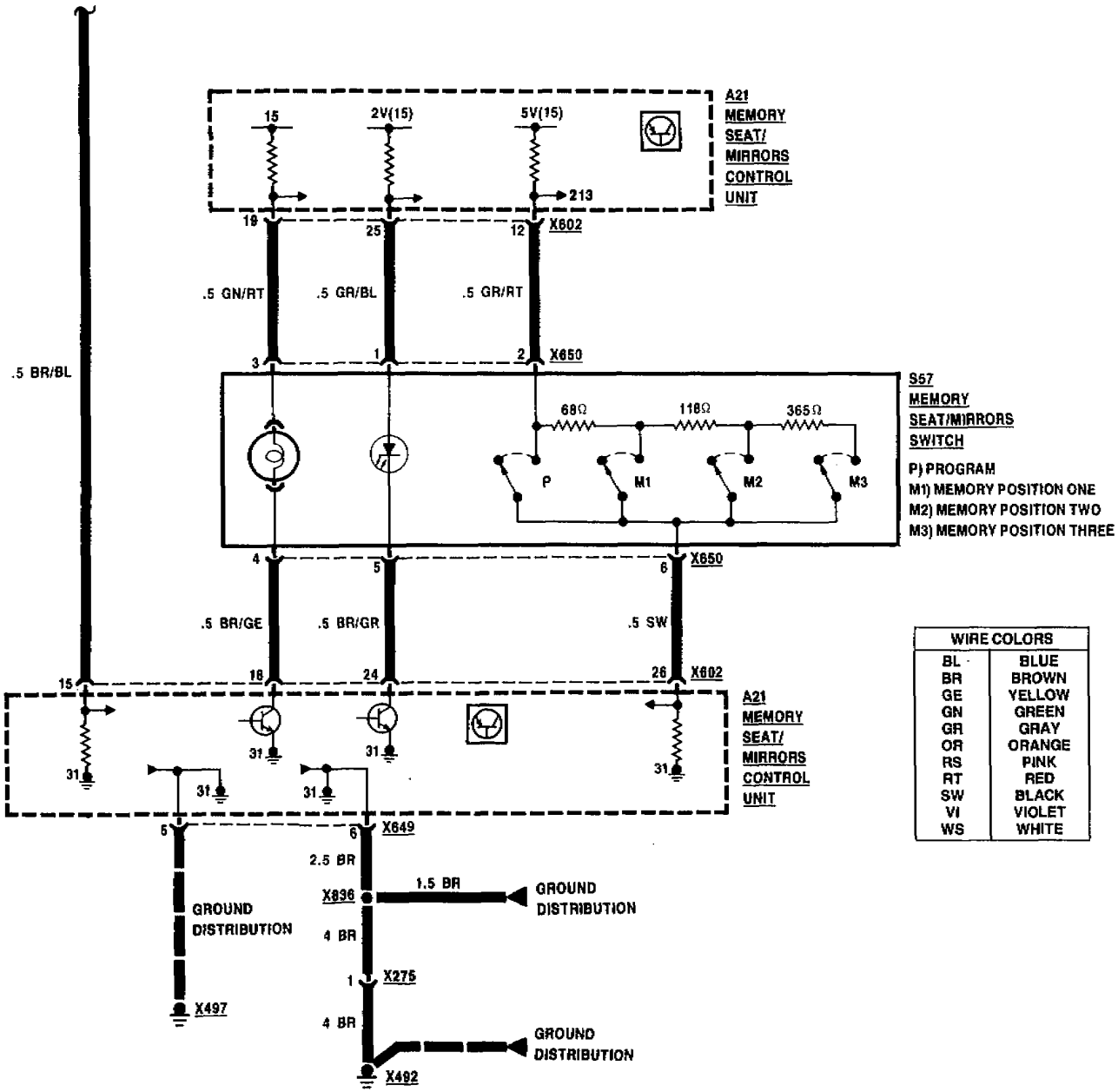
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

MEMORY SEAT



cardiagn.com



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

S50
DRIVER'S MEMORY
SEAT ADJUSTMENT
SWITCH

A SEAT POSITION
SWITCH
0) OFF
1) FORWARD
2) BACK

B SEAT CUSHION
TILT SWITCH
0) OFF
1) UP
2) DOWN

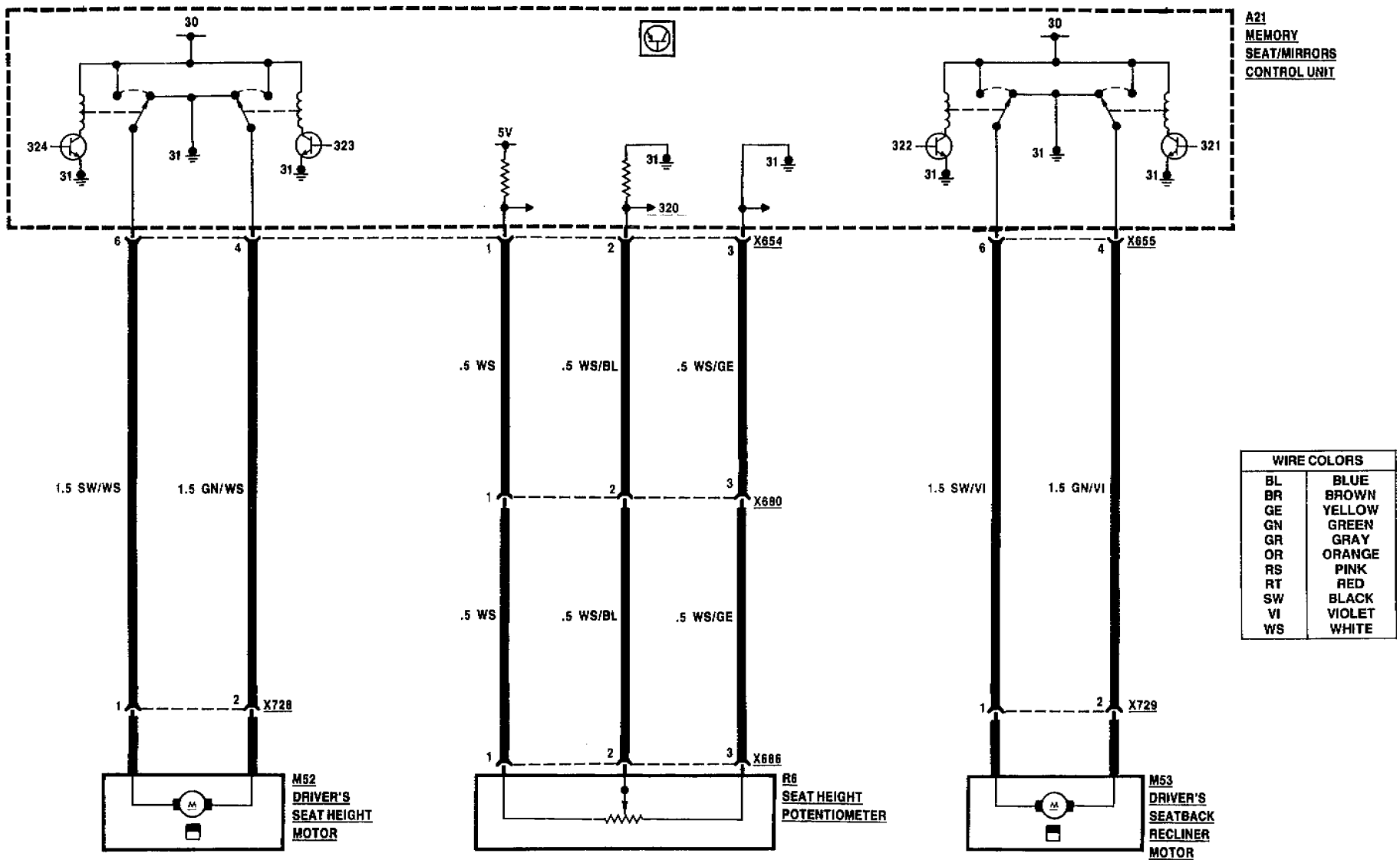
C SEAT HEIGHT
SWITCH
0) OFF
1) UP
2) DOWN

D HEADREST SWITCH
0) OFF
1) UP
2) DOWN

E SEATBACK SWITCH
0) OFF
1) FRONT
2) BACK

cardiagn.com

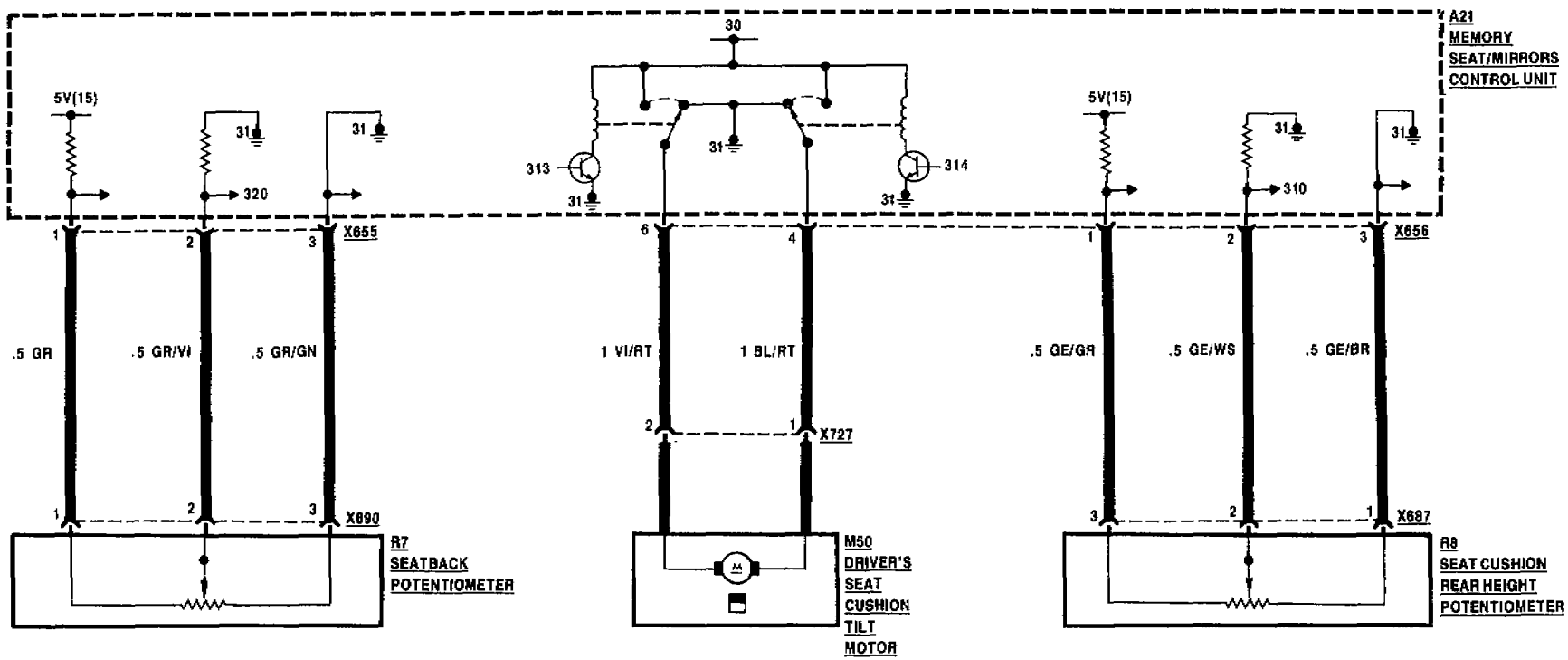
MEMORY SEAT



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

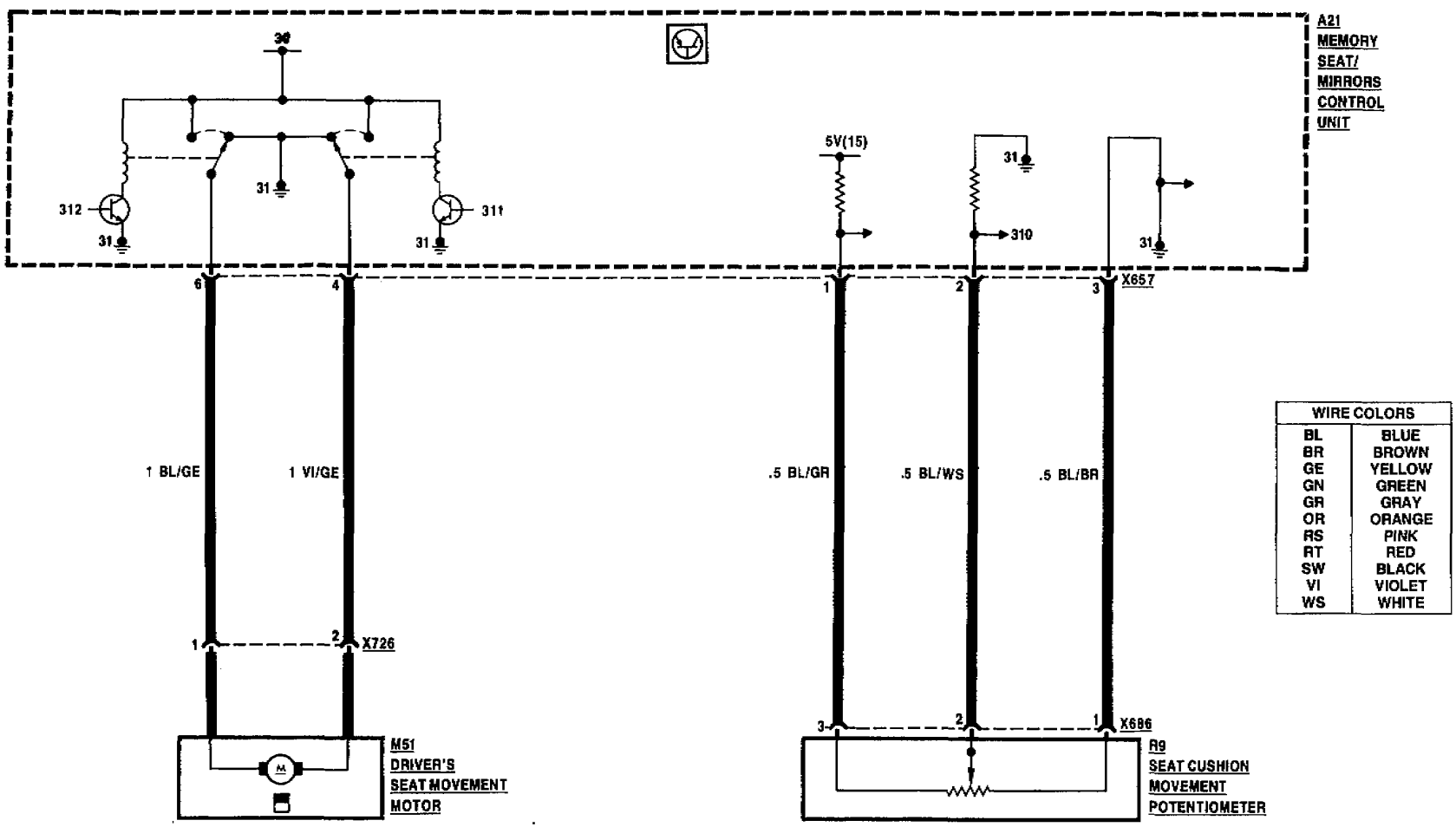
cardiagn.com

MEMORY SEAT



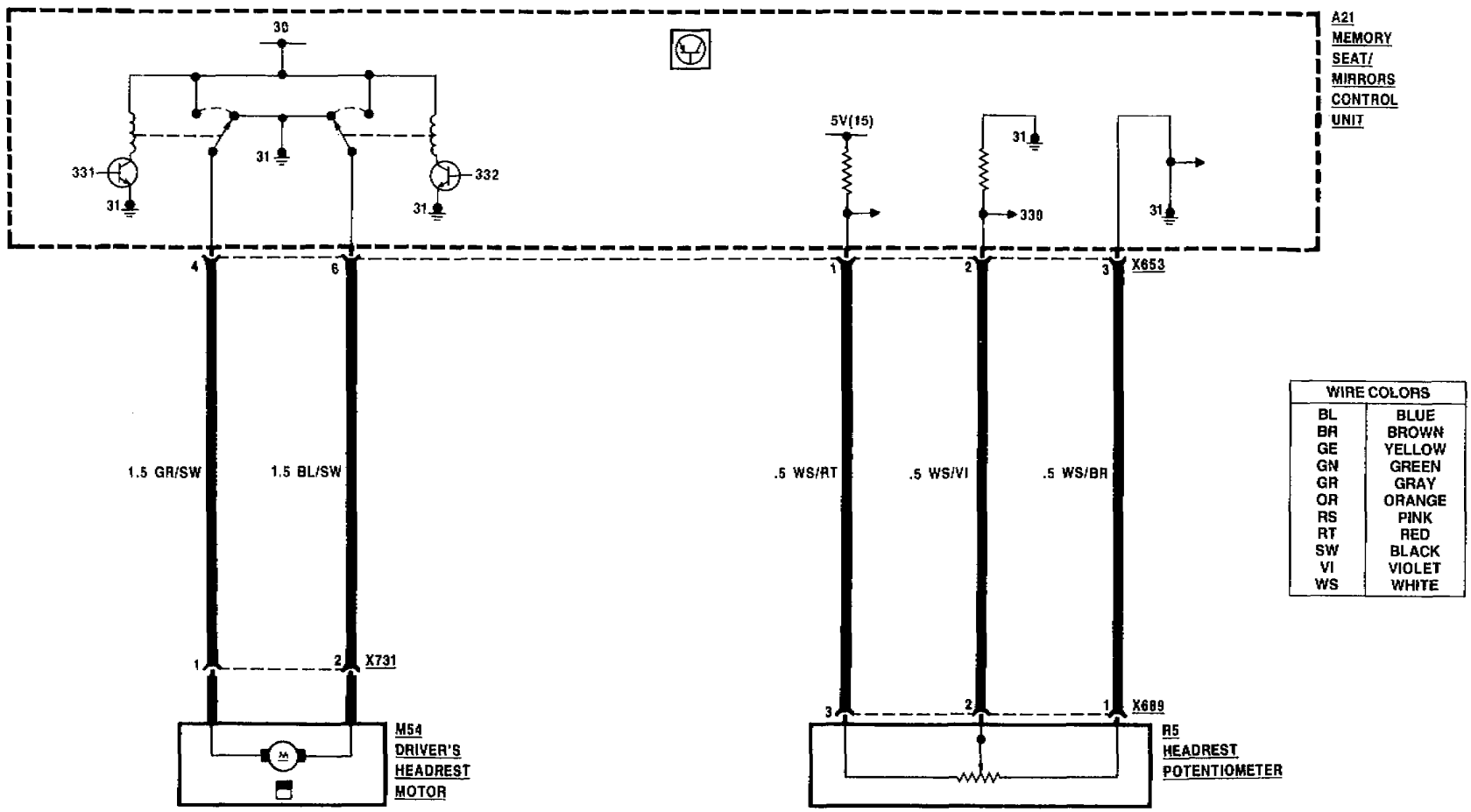
cardiagn.com

MEMORY SEAT



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

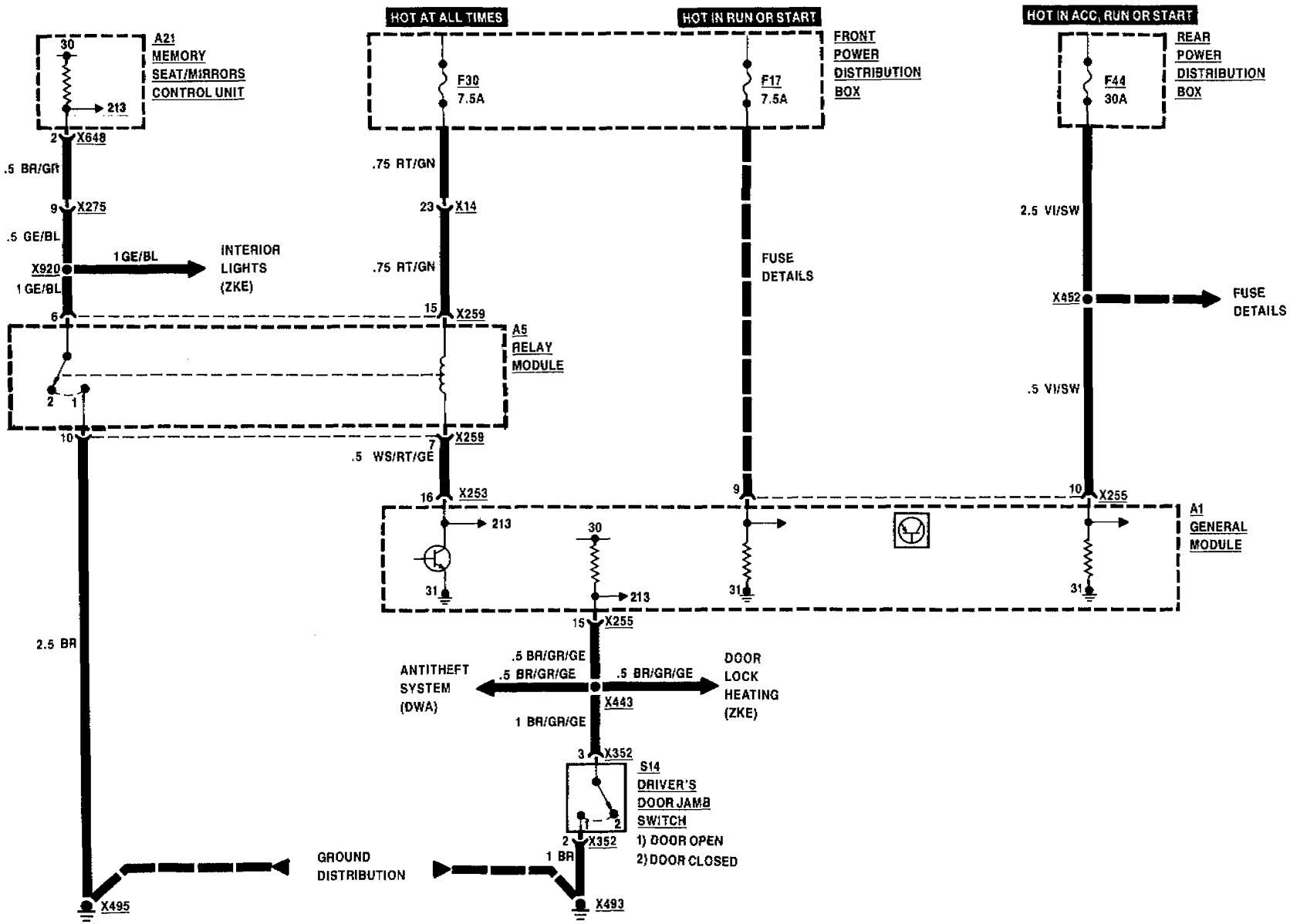
cardiagn.com



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

cardiagn.com

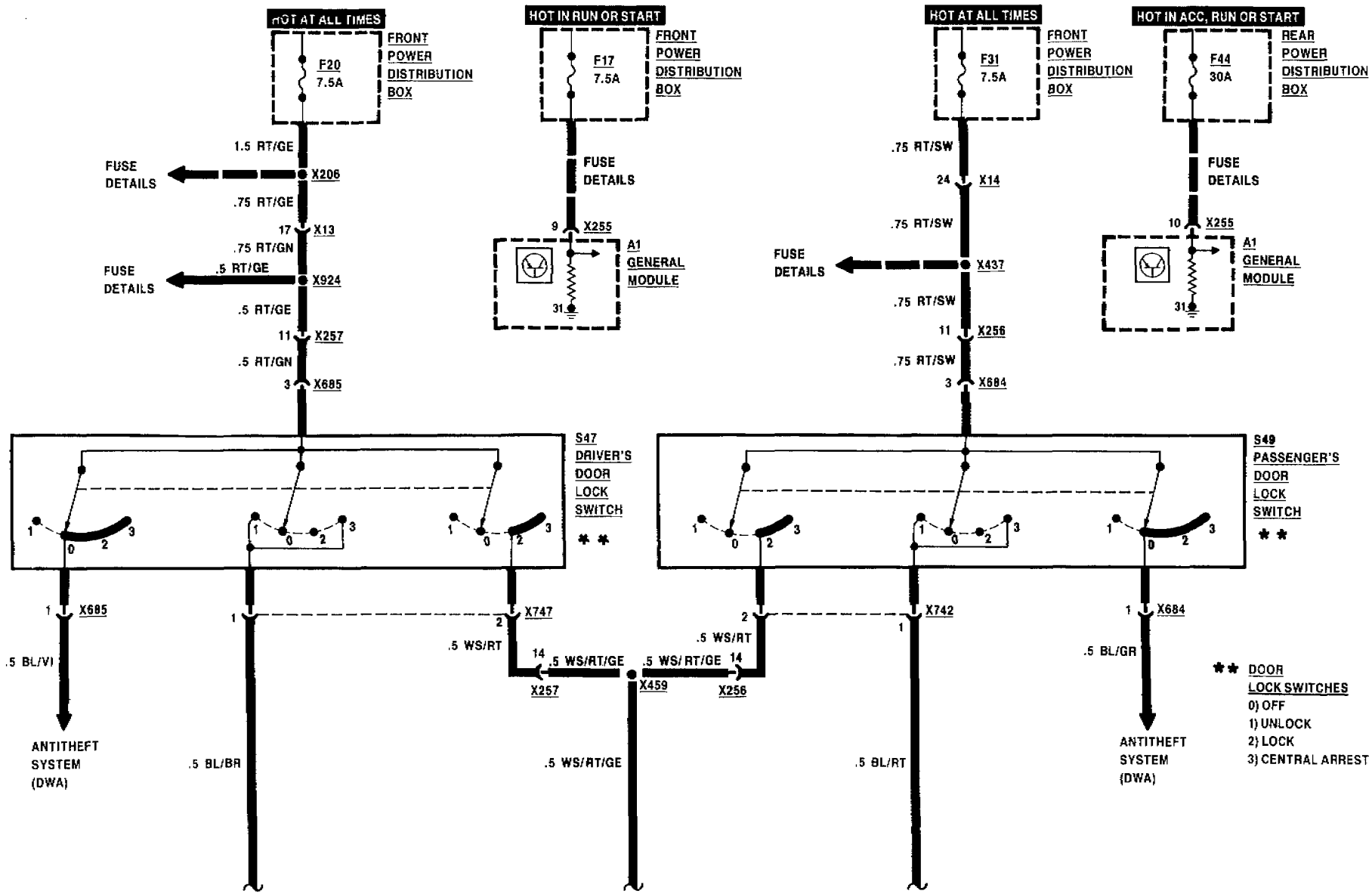
MEMORY SEAT



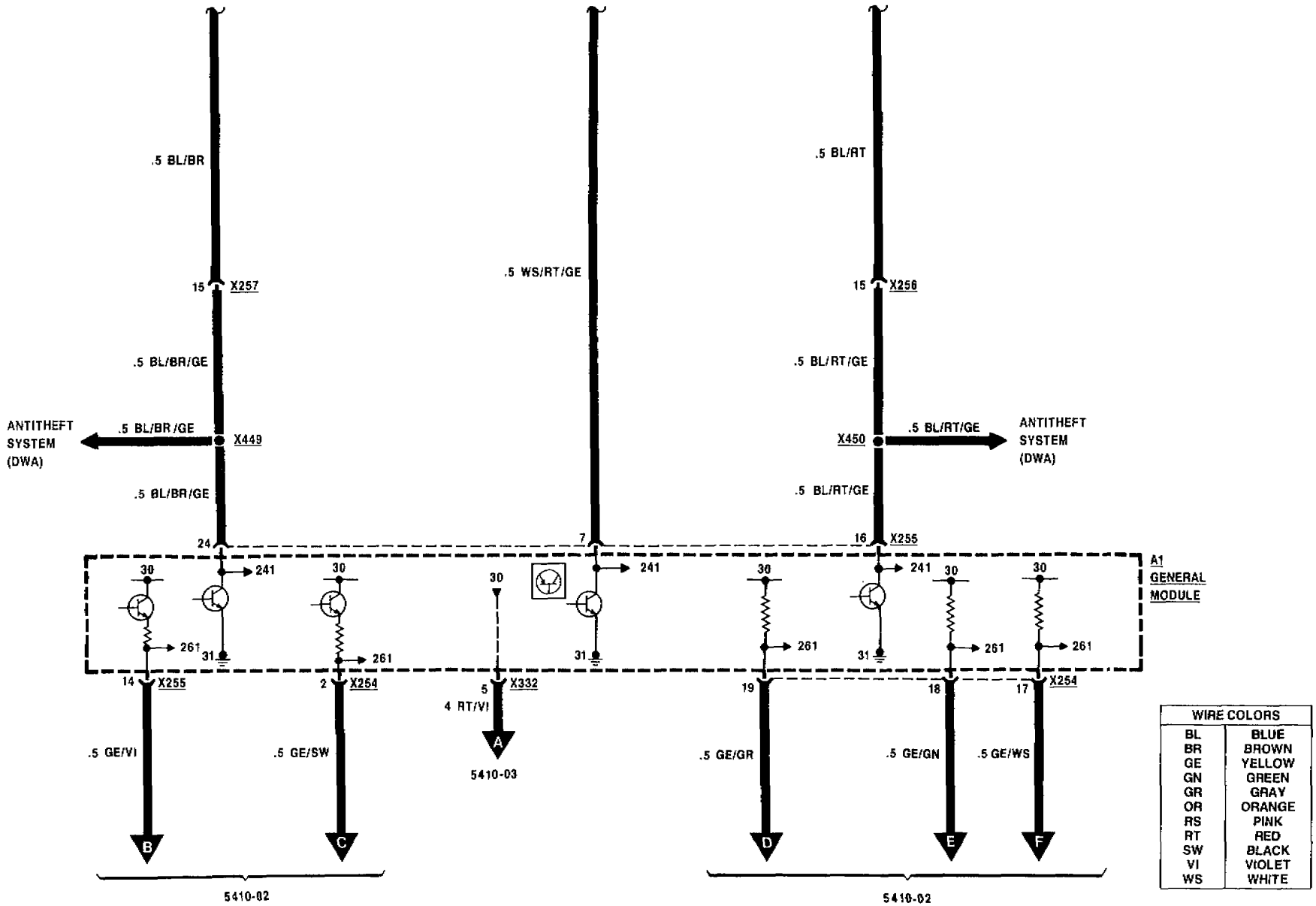
cardiagn.com

SUNROOF (ZKE)

INPUT DETAILS



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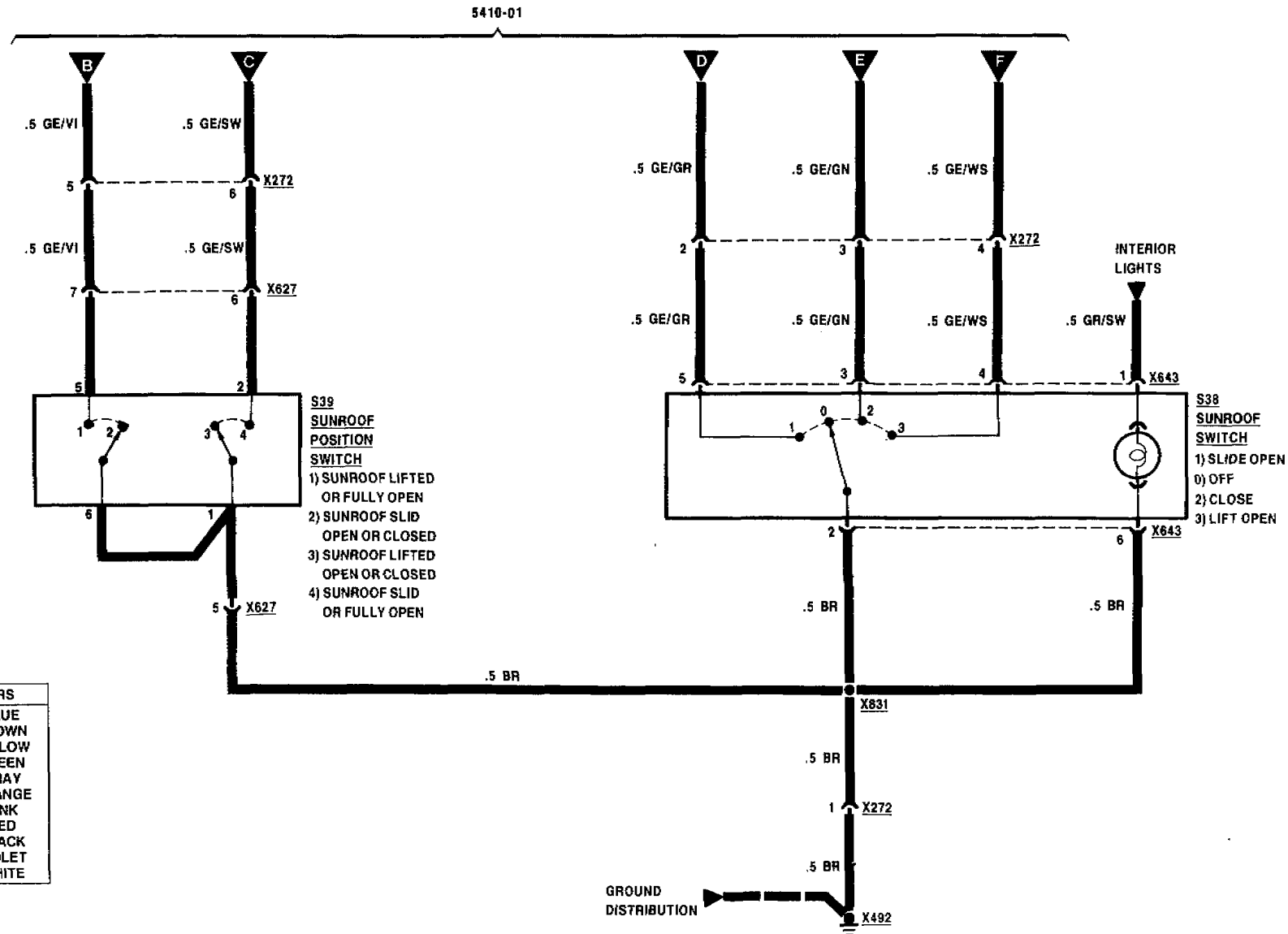


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carmanuals.com

SUNROOF (ZKE)

INPUT DETAILS

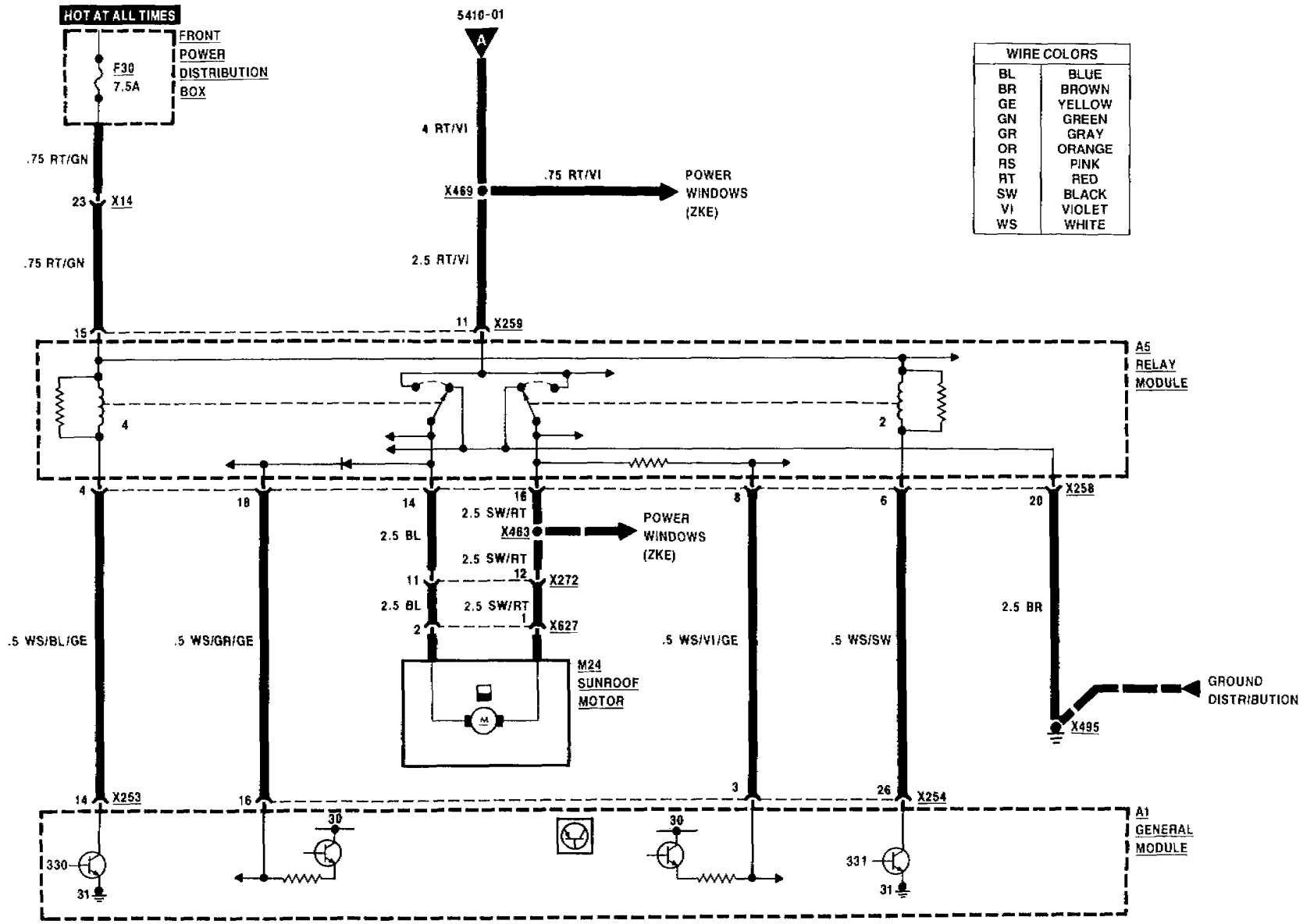


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

SUNROOF (ZKE)

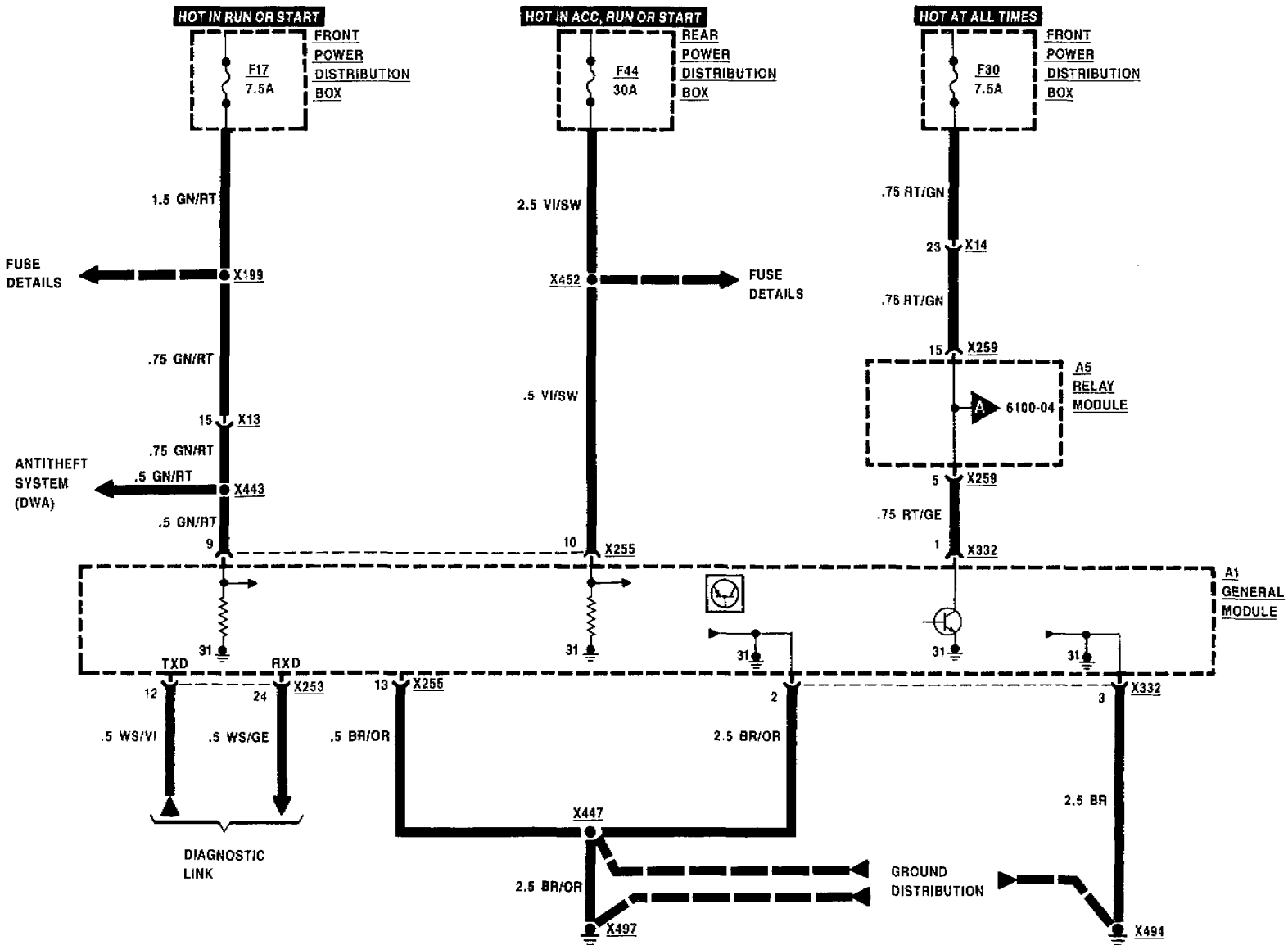
OUTPUT DETAILS



cardiagn.com

CENTRAL BODY ELECTRONICS (ZKE)

GENERAL MODULE



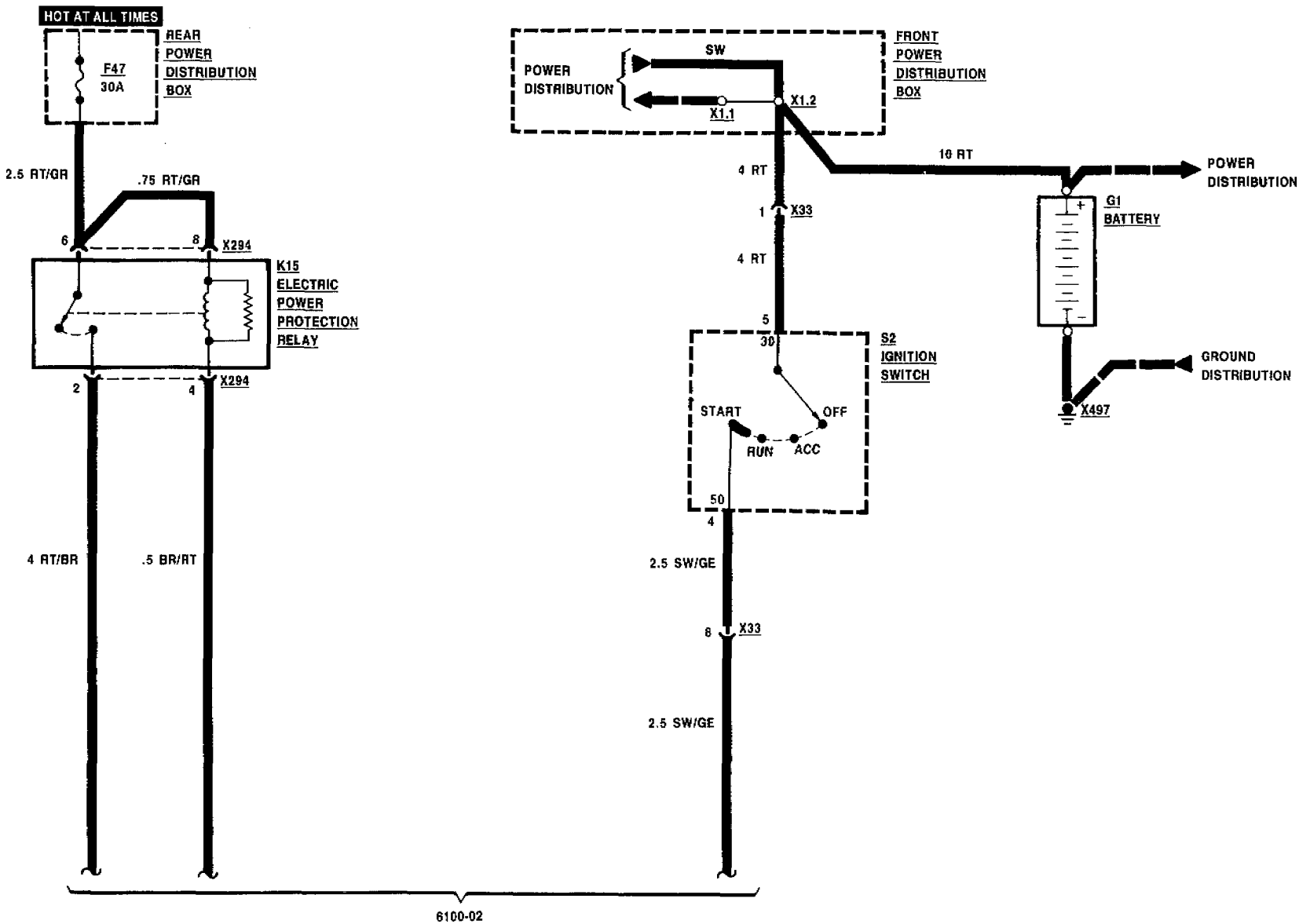
carDiagn.com

FOR CENTRAL BODY ELECTRONICS (ZKE):
GENERAL MODULE,
SEE PAGE 6100-02

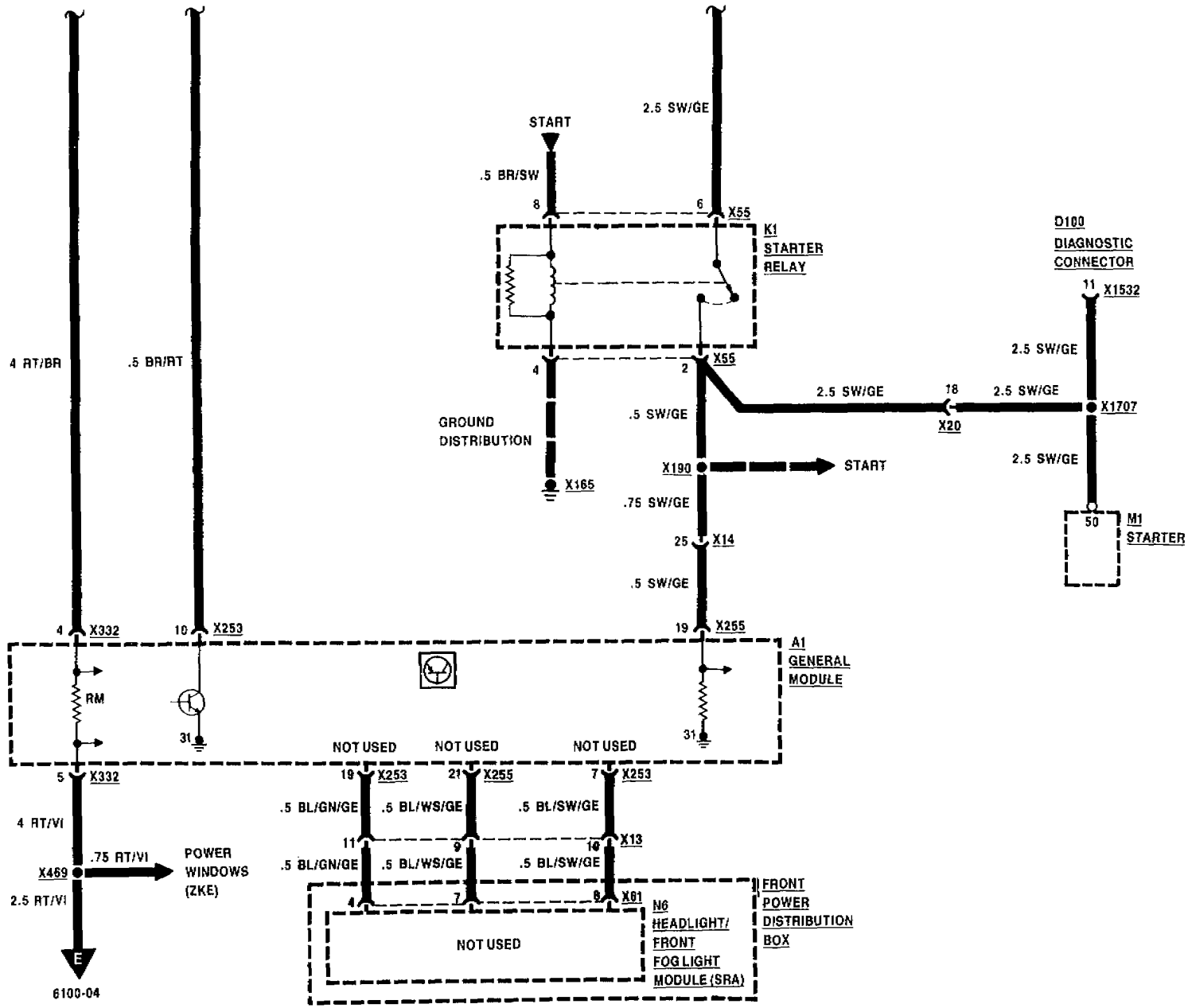
cardiagn.com

CENTRAL BODY ELECTRONICS (ZKE)

GENERAL MODULE

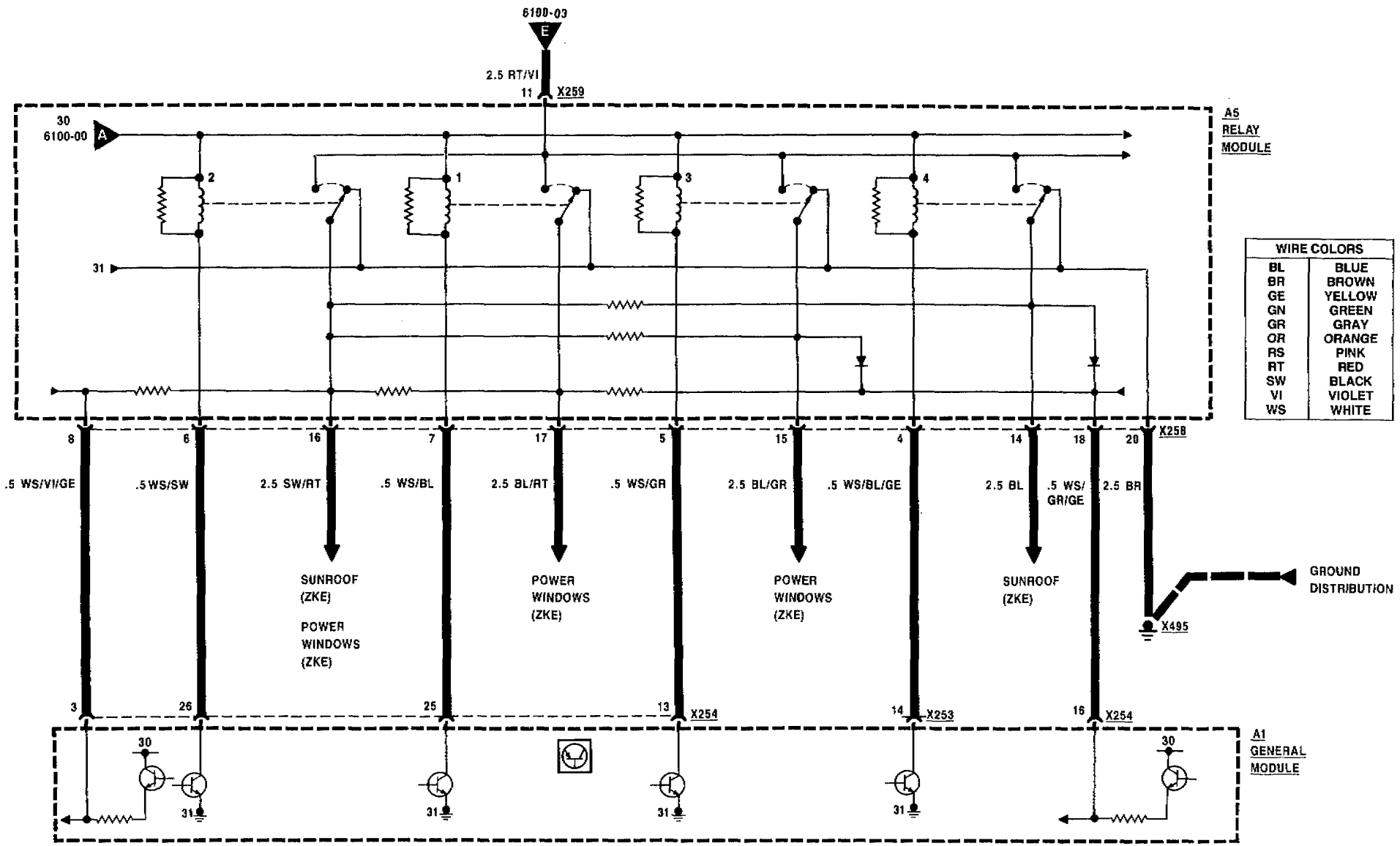


cardiagn.com

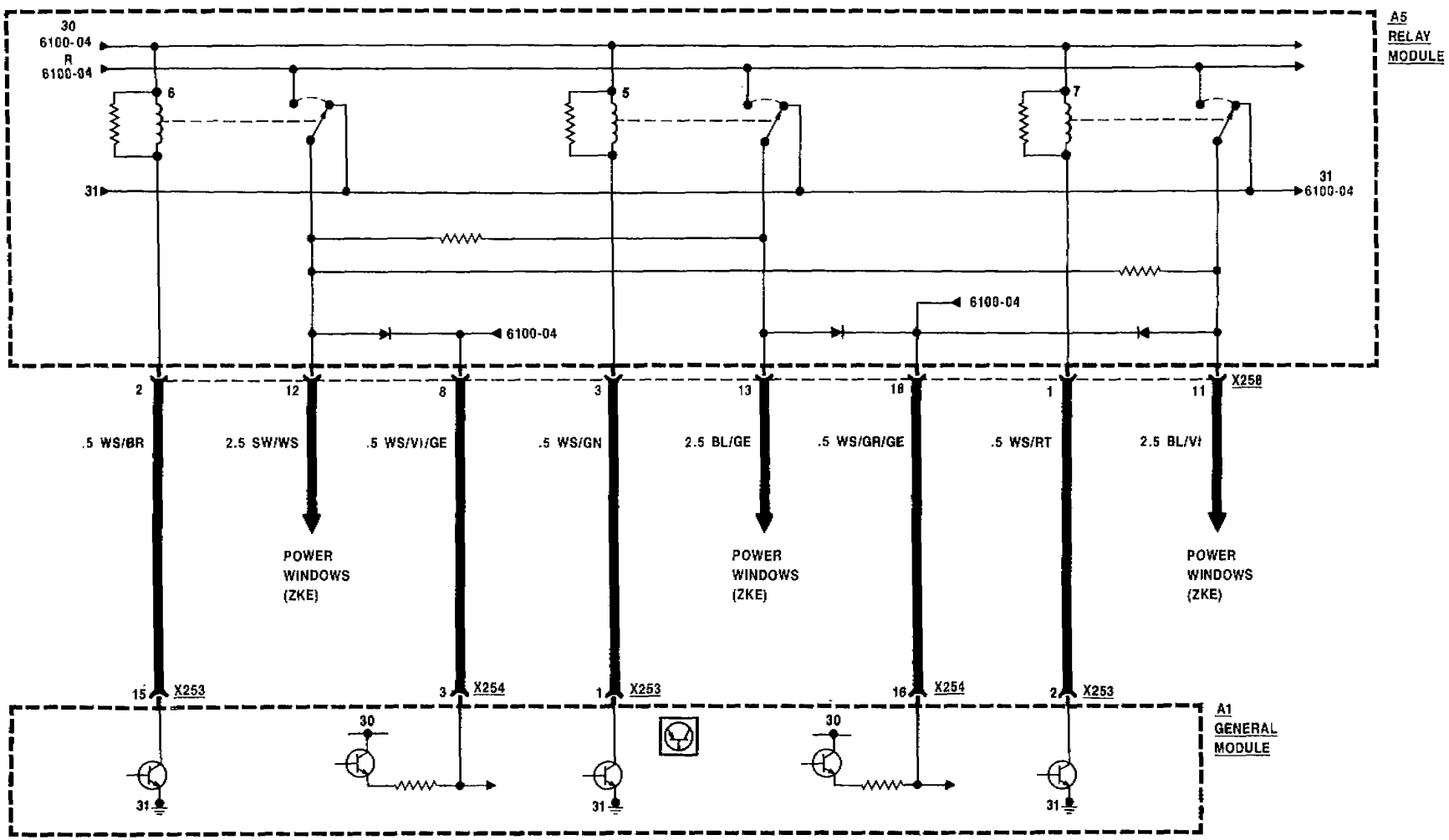

START
2.5 SW/GE
.5 BR/SW
8
6
X55
K1
STARTER
RELAY
D100
DIAGNOSTIC
CONNECTOR
11
X1532
4 RT/BR
.5 BR/RT
4
2
X55
2.5 SW/GE
18
2.5 SW/GE
X1707
X20
GROUND
DISTRIBUTION
.5 SW/GE
X190
START
2.5 SW/GE
X165
.75 SW/GE
50
M1
STARTER
25
X14
.5 SW/GE
4
X332
10
X253
19
X255
A1
GENERAL
MODULE
RM
31
31
NOT USED
NOT USED
NOT USED
5
X332
19
X253
21
X255
7
X253
4 RT/VI
.5 BL/GN/GE
.5 BL/WS/GE
.5 BL/SW/GE
11
9
10
X13
.75 RT/VI
POWER
WINDOWS
(ZKE)
X469
.5 BL/GN/GE
.5 BL/WS/GE
.5 BL/SW/GE
2.5 RT/VI
4
7
8
X61
FRONT
POWER
DISTRIBUTION
BOX
N6
HEADLIGHT/
FRONT
FOG LIGHT
MODULE (SRA)
NOT USED
E
6100-04

CENTRAL BODY ELECTRONICS (ZKE)

RELAY MODULE



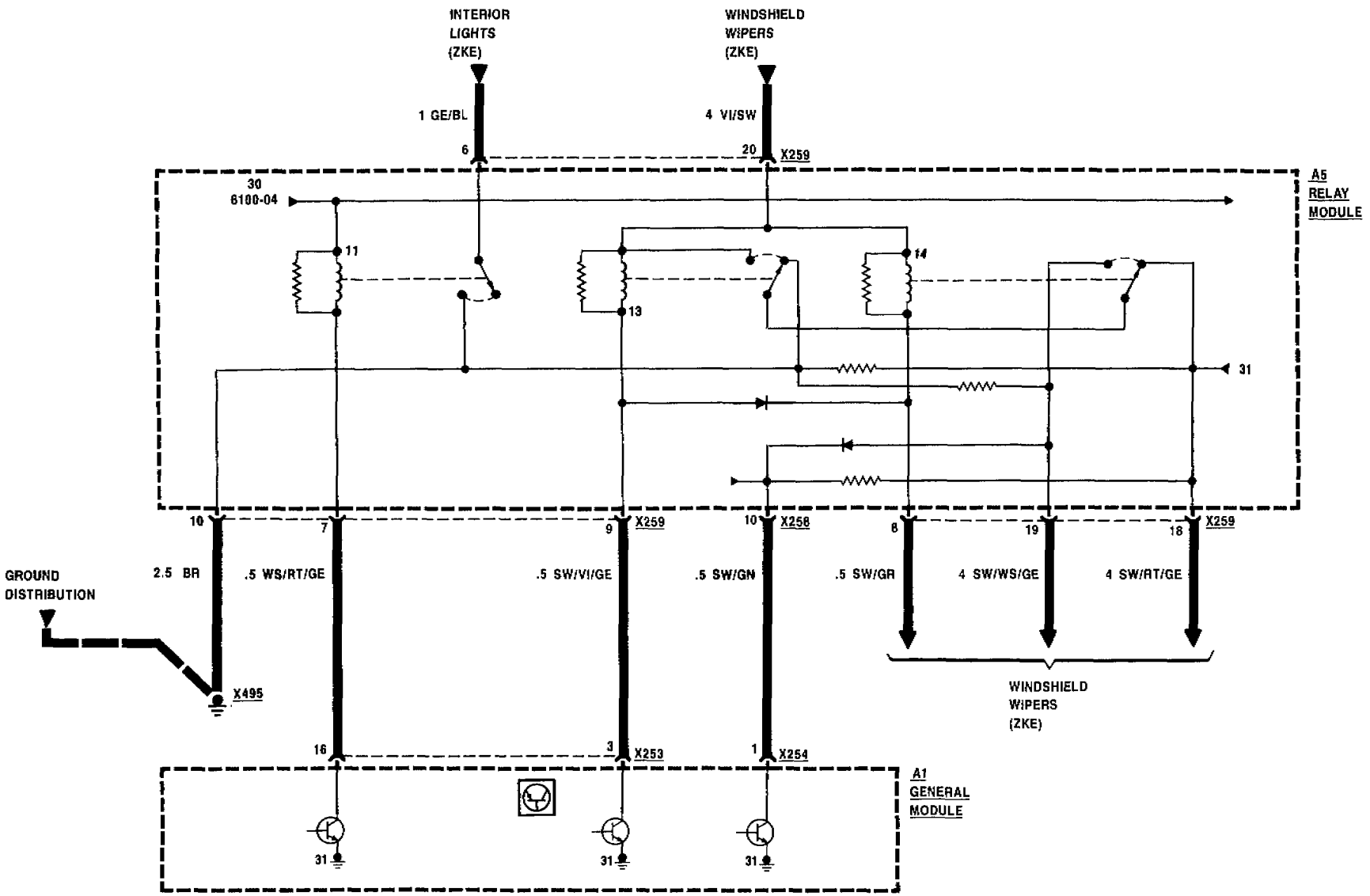
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CENTRAL BODY ELECTRONICS (ZKE)

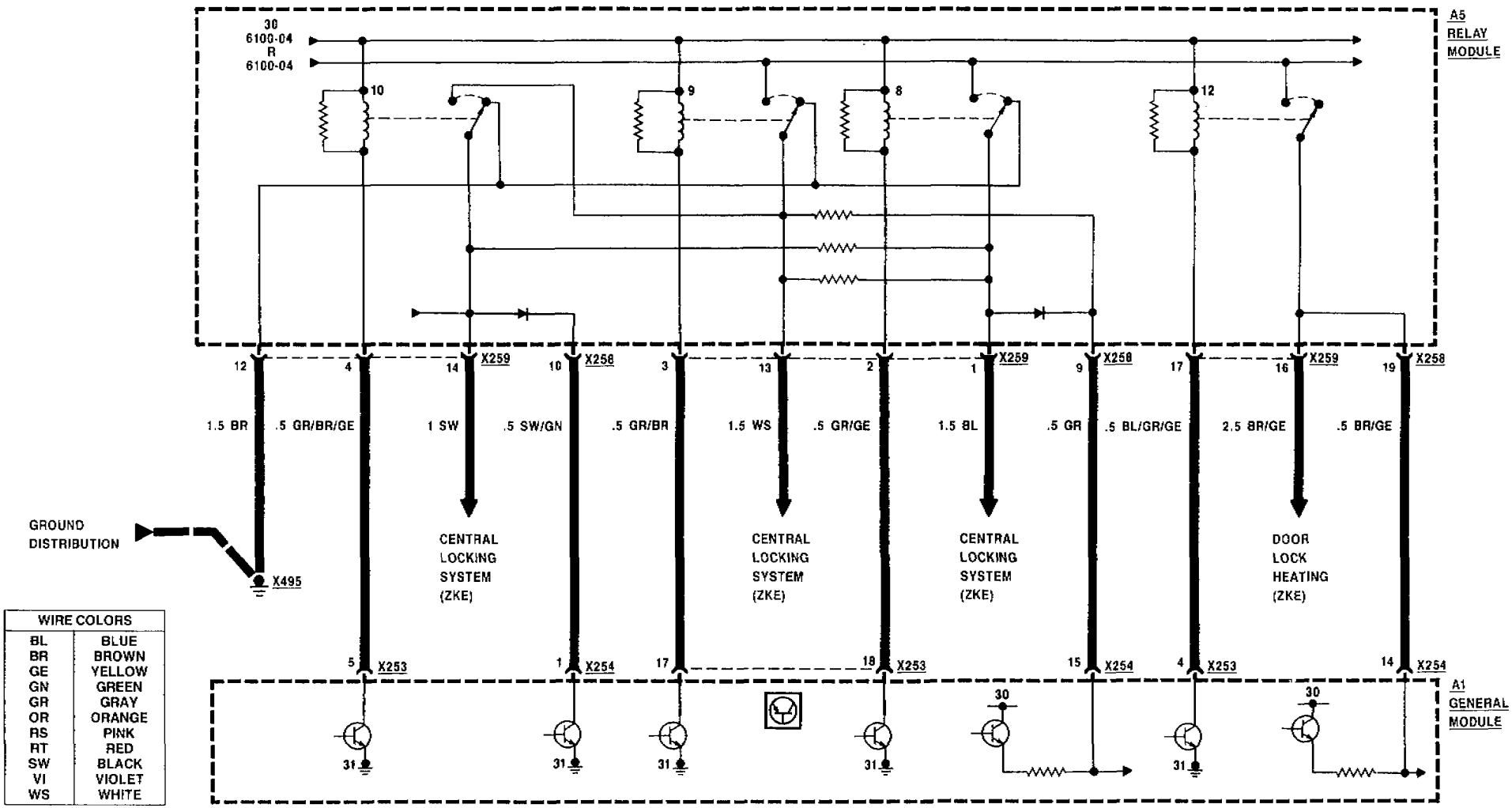
RELAY MODULE



cardiagn.com

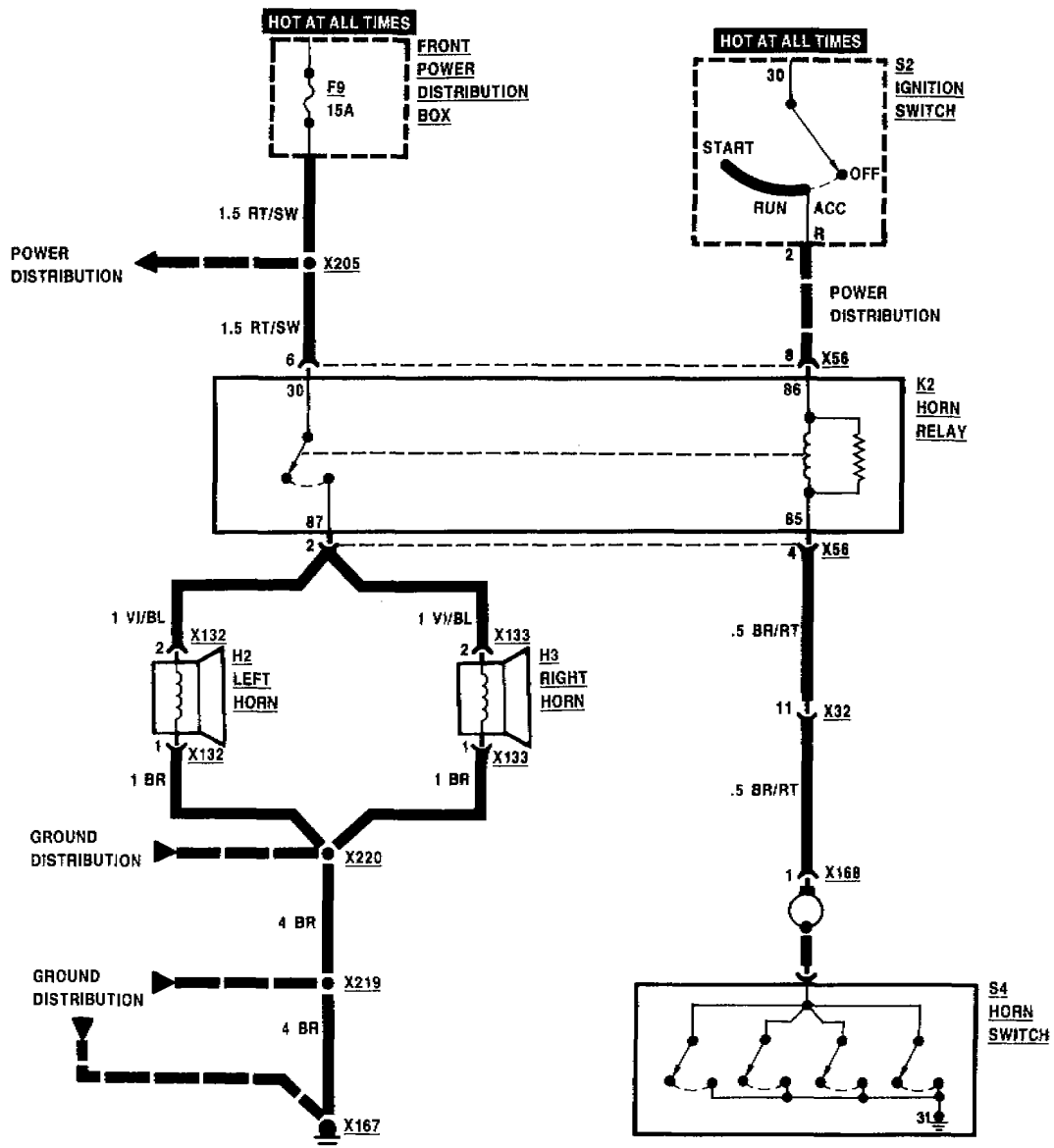
CENTRAL BODY ELECTRONICS (ZKE)

RELAY MODULE



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

cardiagn.com

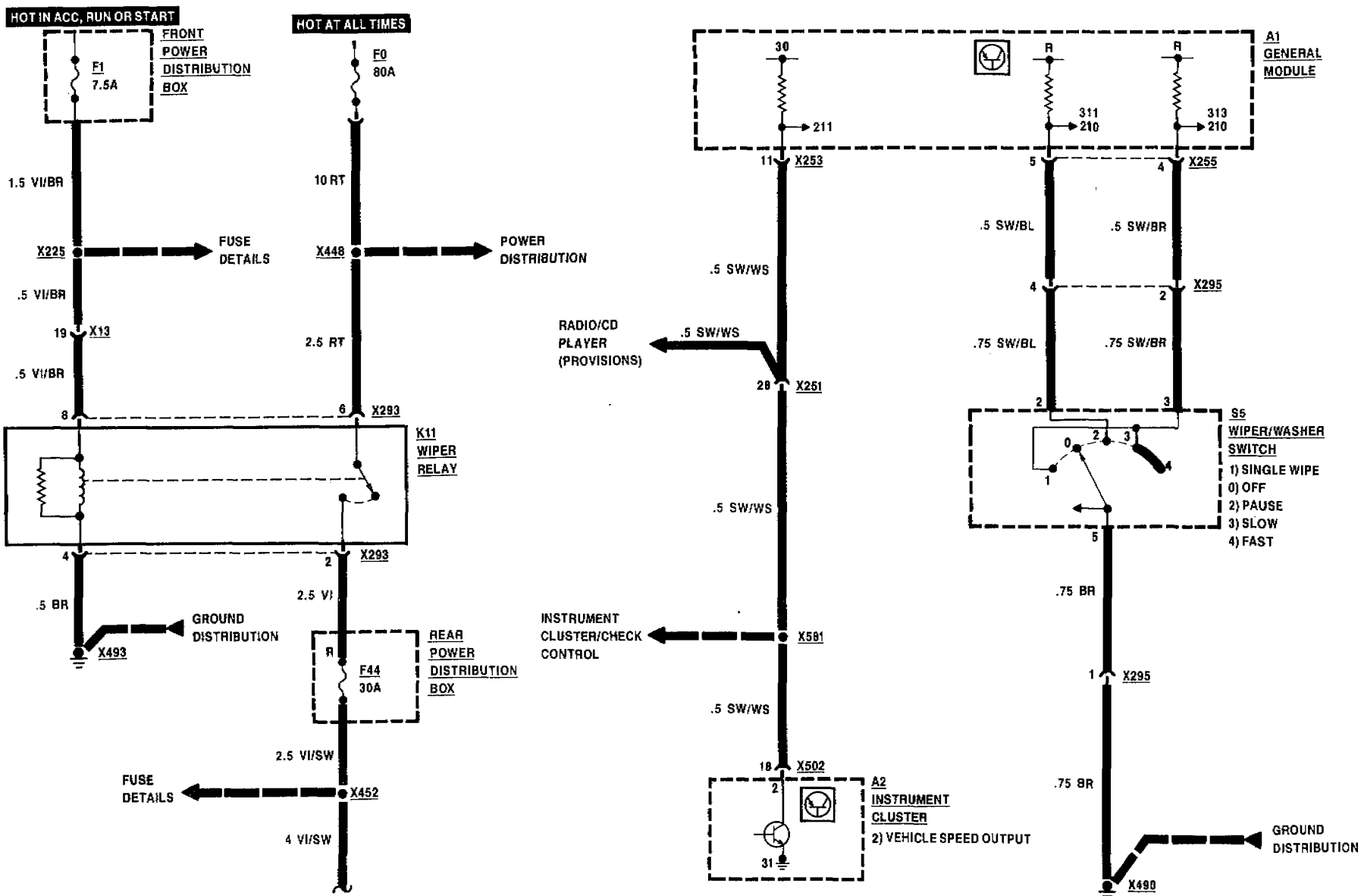


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

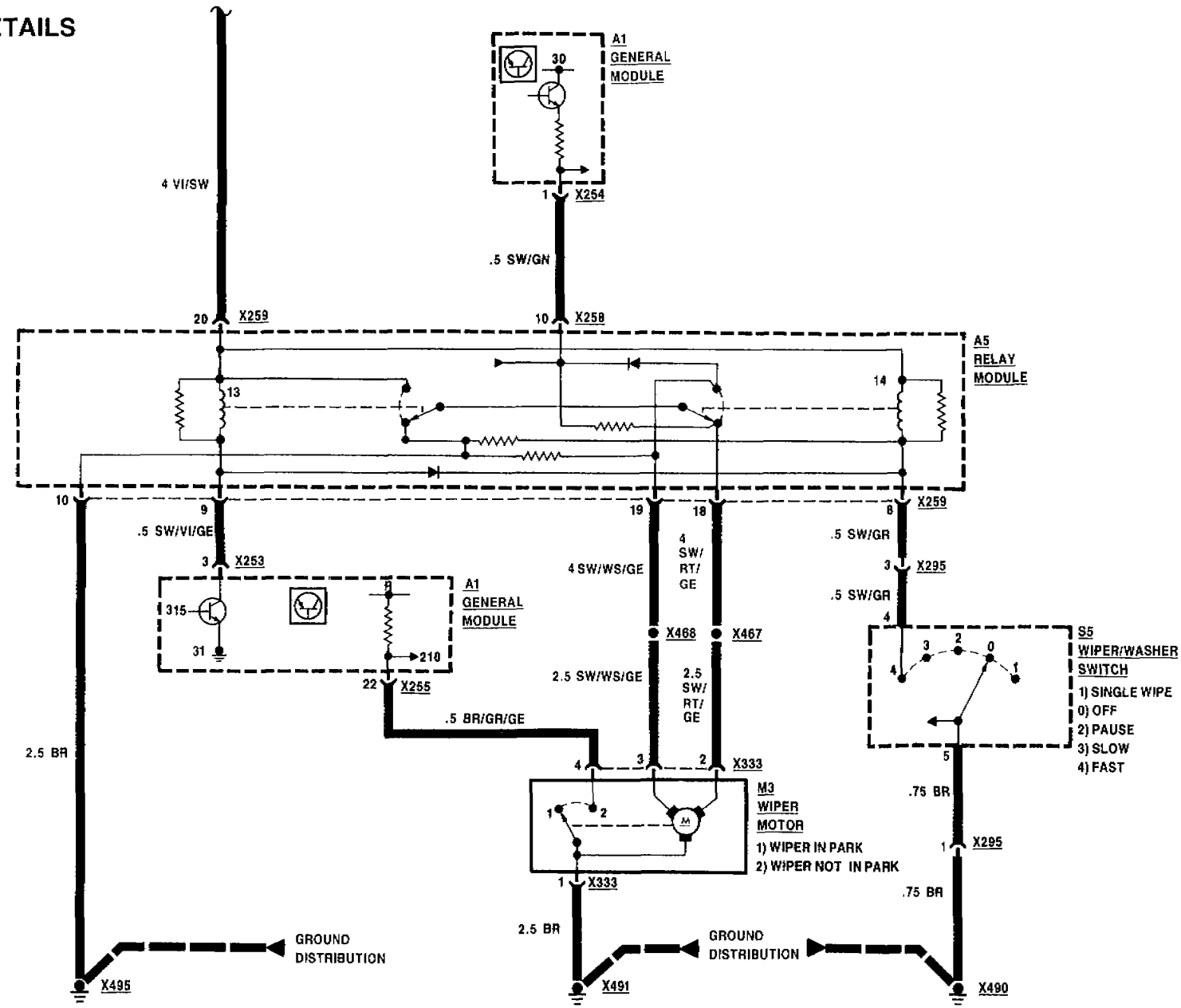
WINDSHIELD WIPERS (ZKE)

INPUT DETAILS



cardiagn.com

OUTPUT DETAILS

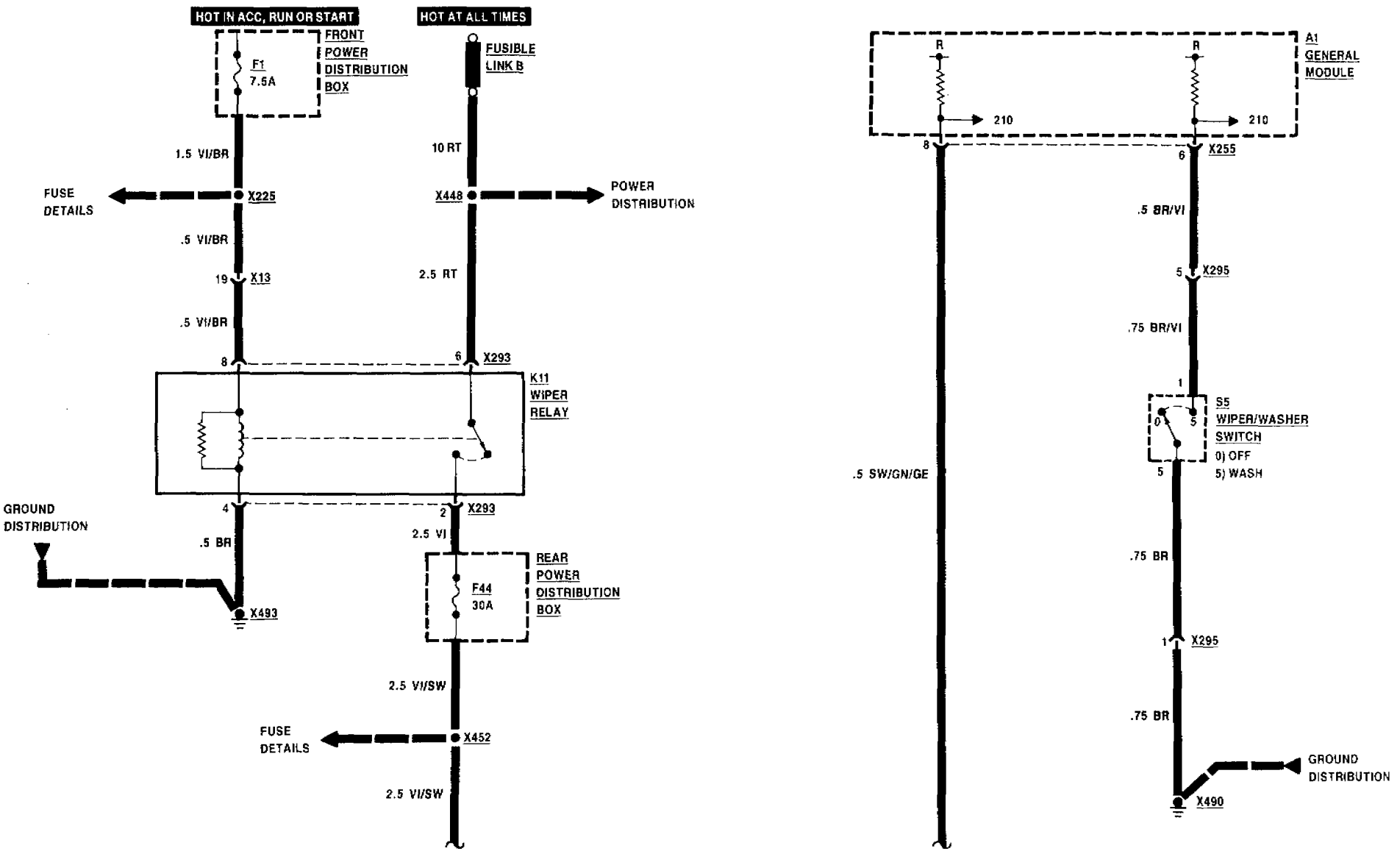


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

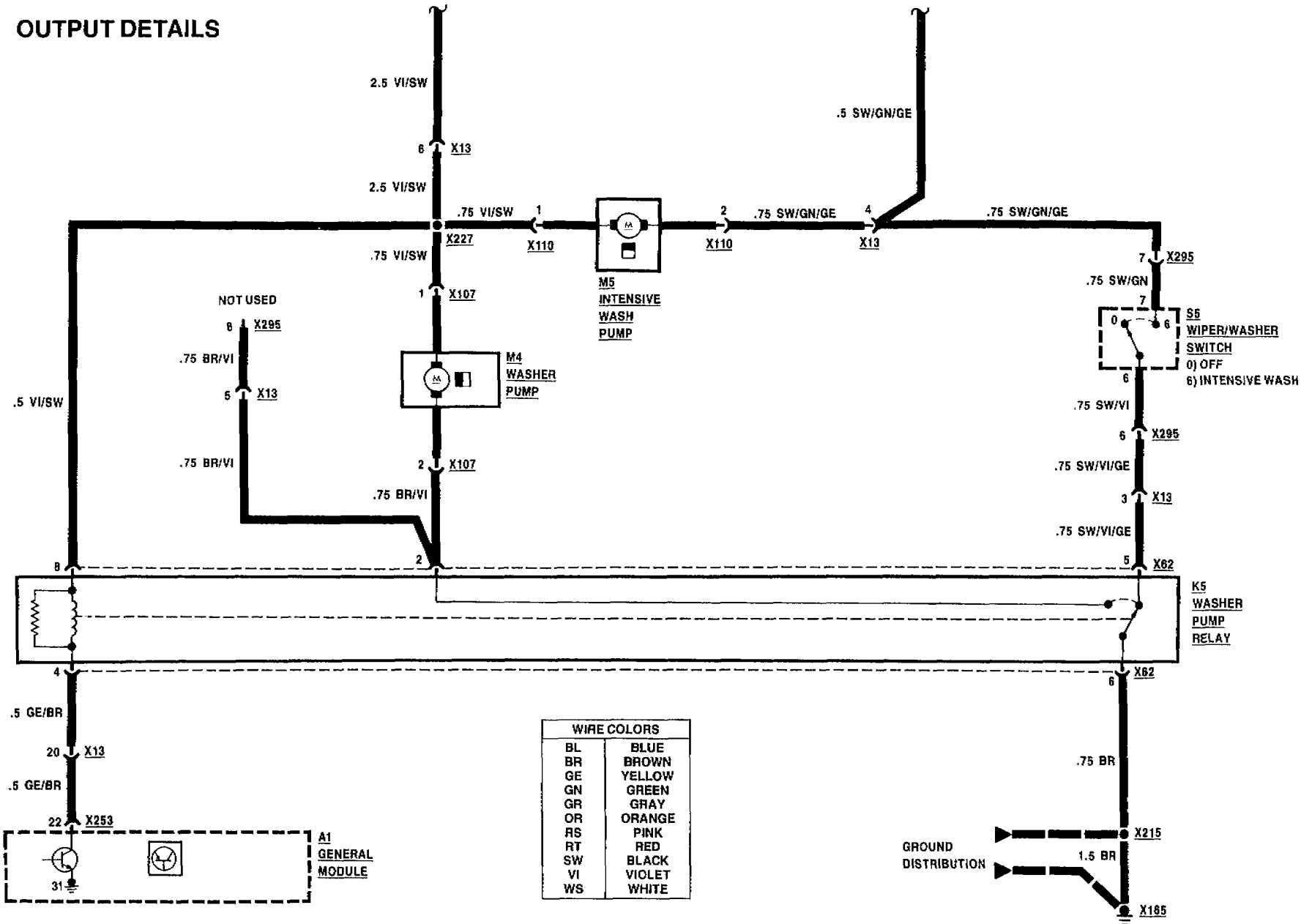
WINDSHIELD WASHER (ZKE)

INPUT DETAILS



cardiagn.com

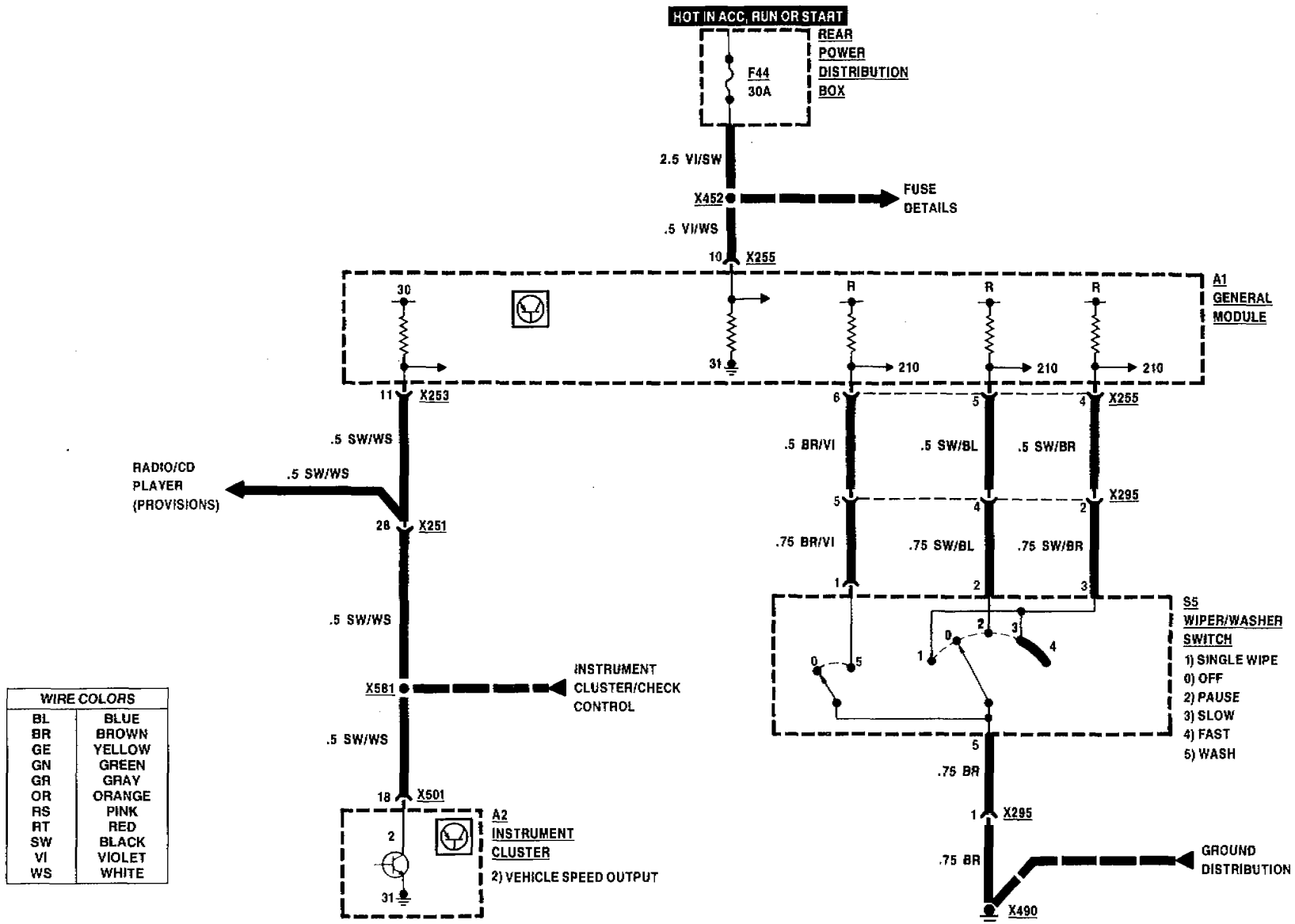
OUTPUT DETAILS



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WINDSHIELD WIPER PRESSURE CONTROL (ZKE)

INPUT DETAILS

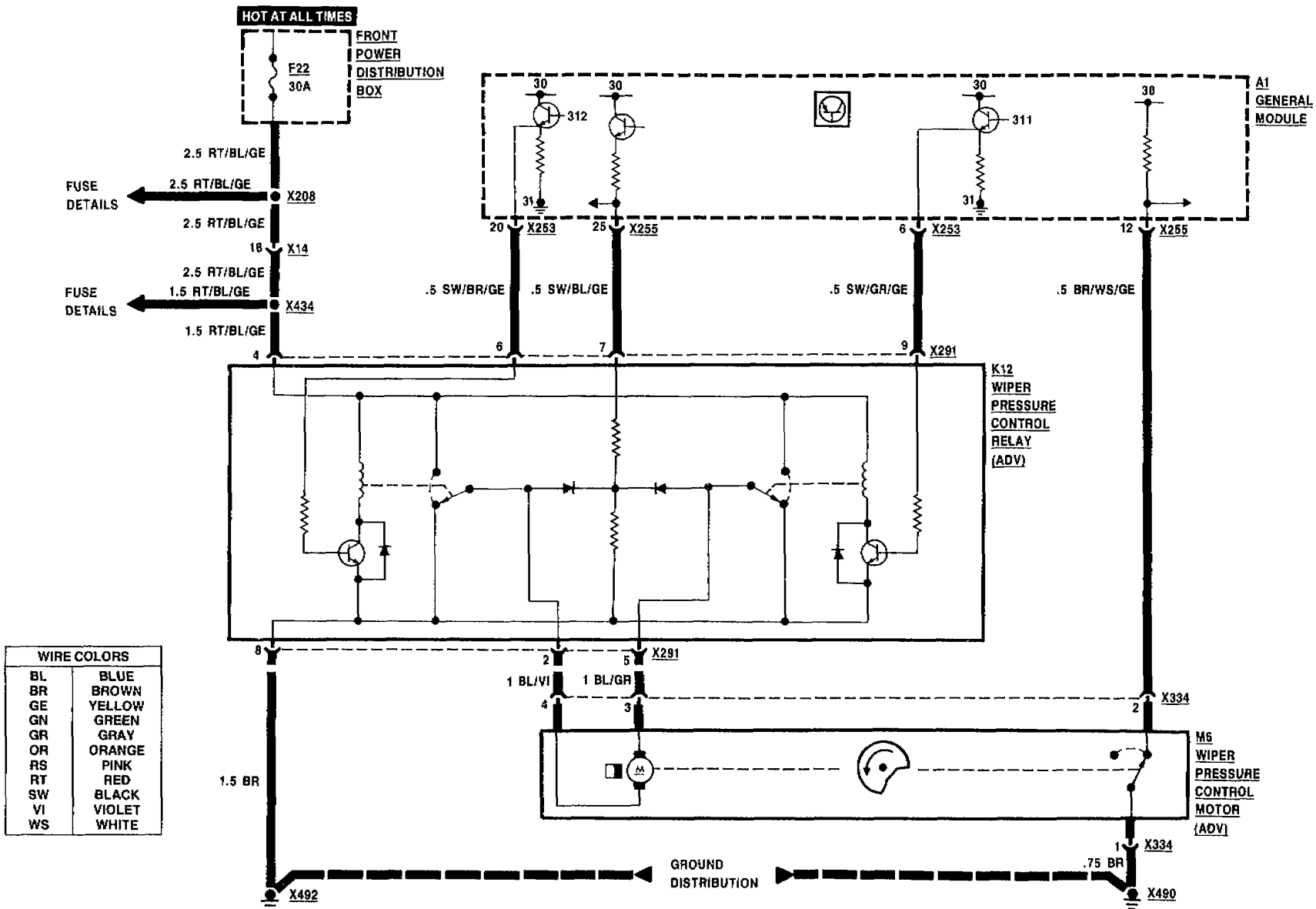


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carDiagn.com

WINDSHIELD WIPER PRESSURE CONTROL (ZKE)

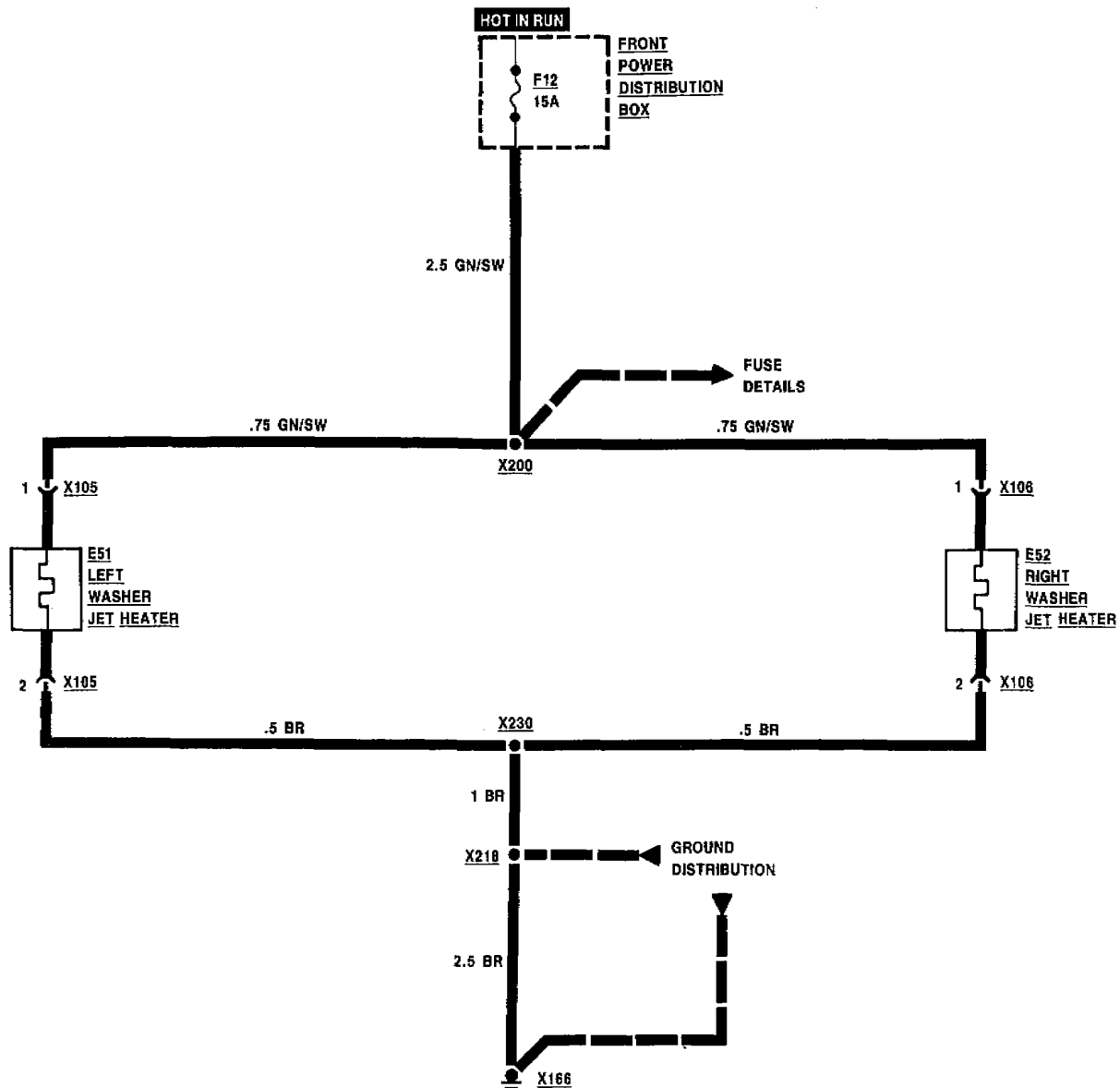
OUTPUT DETAILS



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

manualslib.com

WINDSHIELD WASHER JET HEATERS

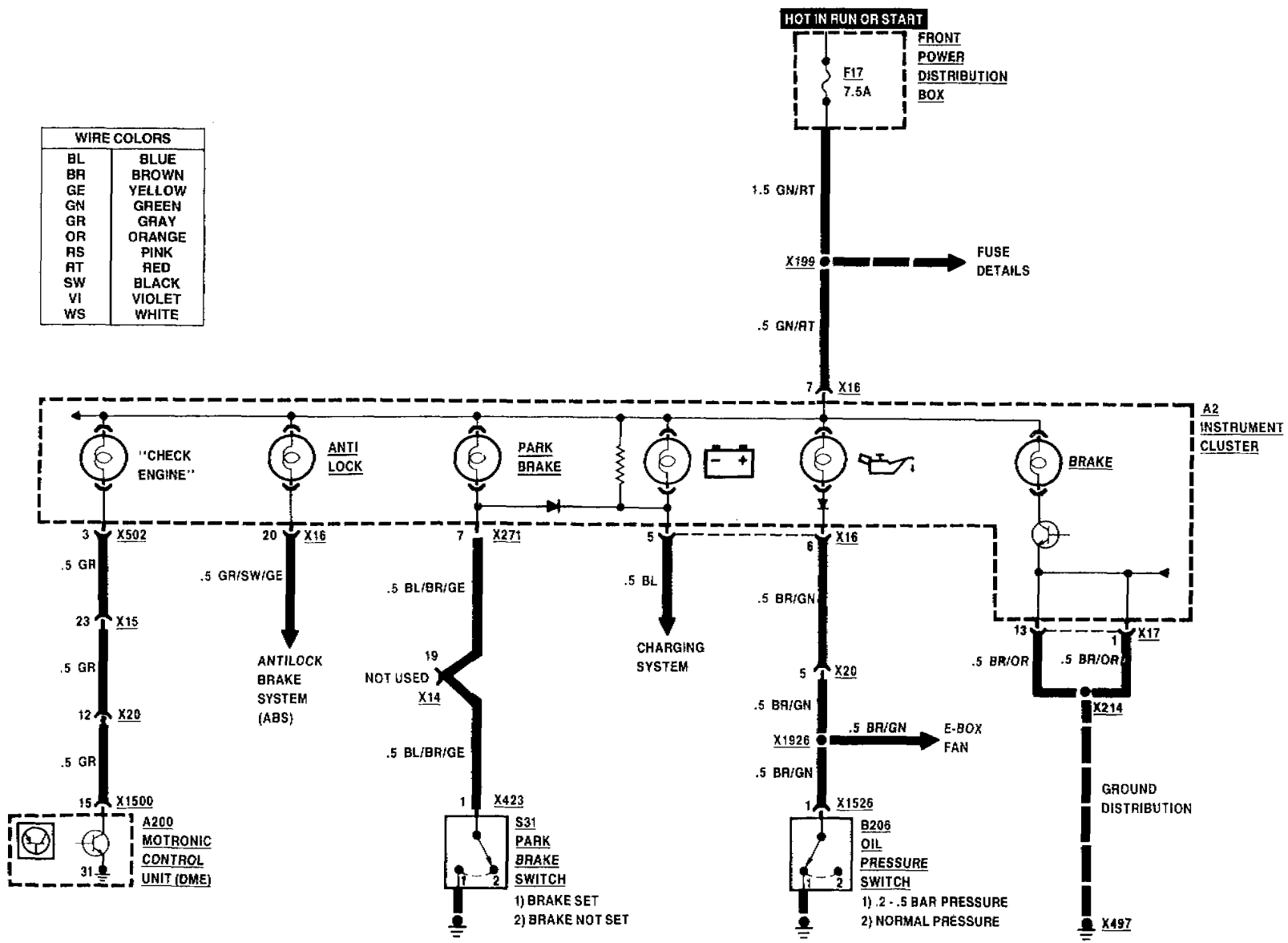


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

INSTRUMENT CLUSTER/CHECK CONTROL

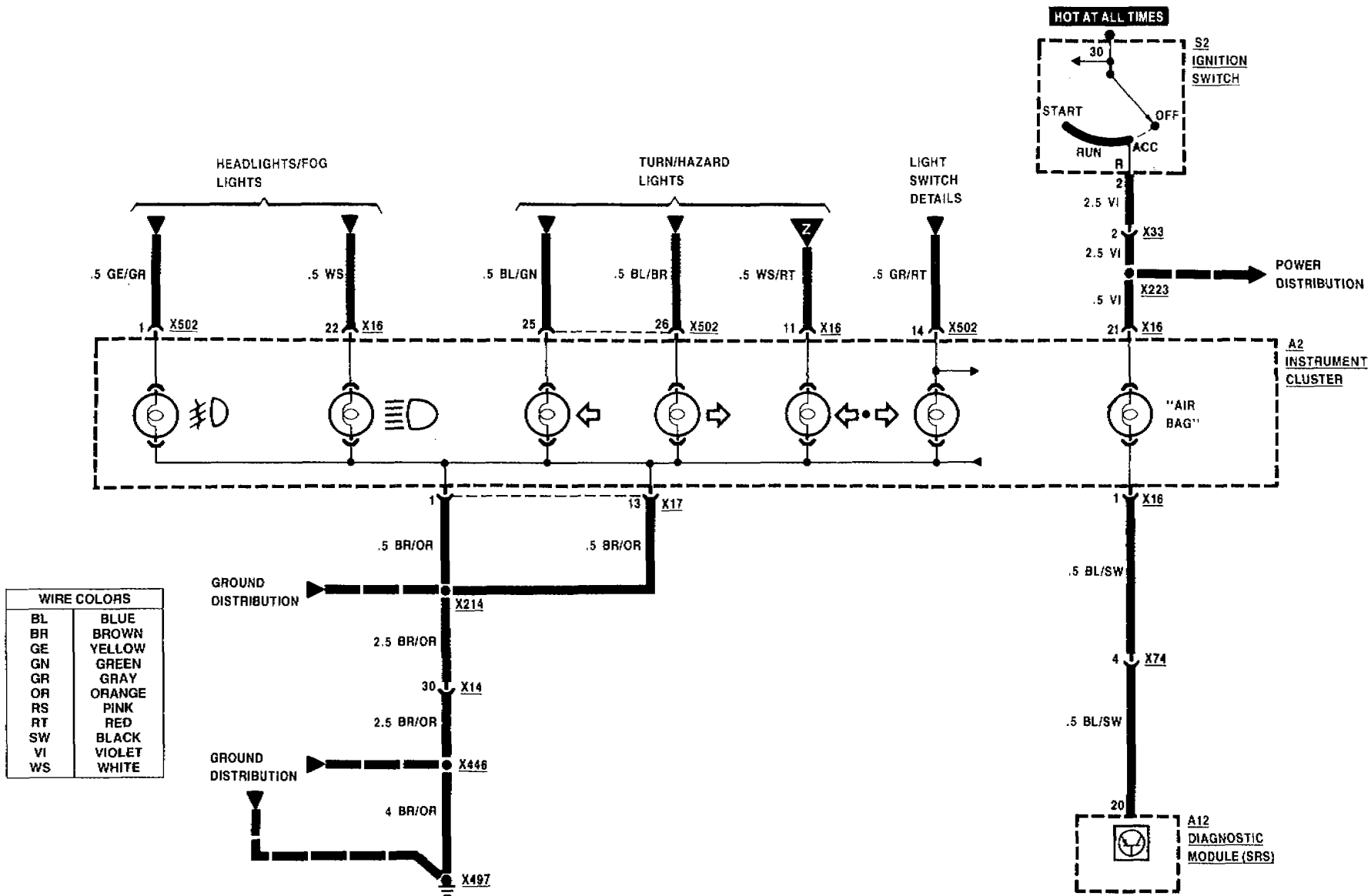
INSTRUMENT CLUSTER INDICATORS



cardiagn.com

INSTRUMENT CLUSTER/CHECK CONTROL

INSTRUMENT CLUSTER INDICATORS



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

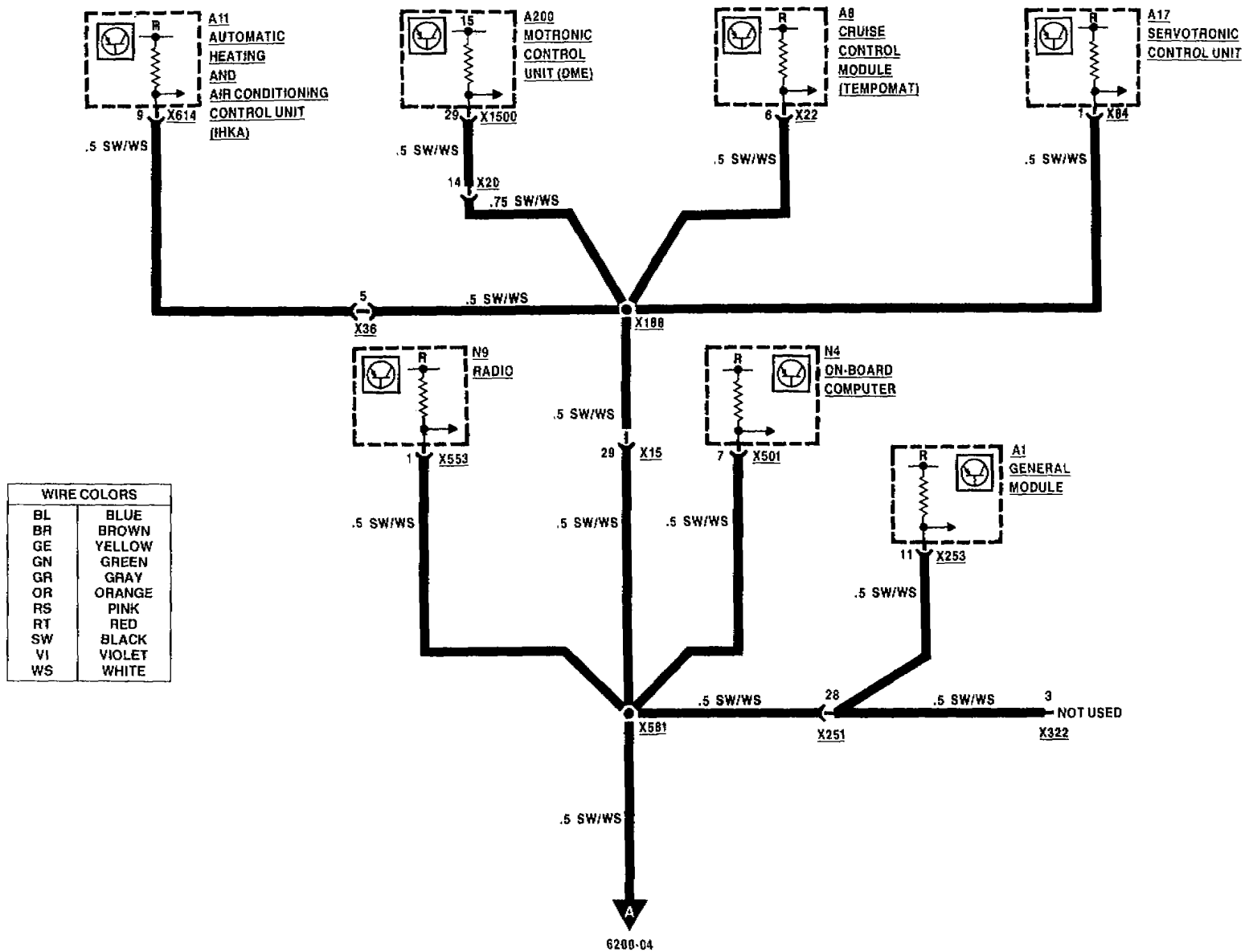
cardiagn.com

**FOR INSTRUMENT CLUSTER/CHECK CONTROL:
INSTRUMENT CLUSTER GAUGES,
SEE PAGE 6200-03**

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INSTRUMENT CLUSTER/CHECK CONTROL

INSTRUMENT CLUSTER GAUGES

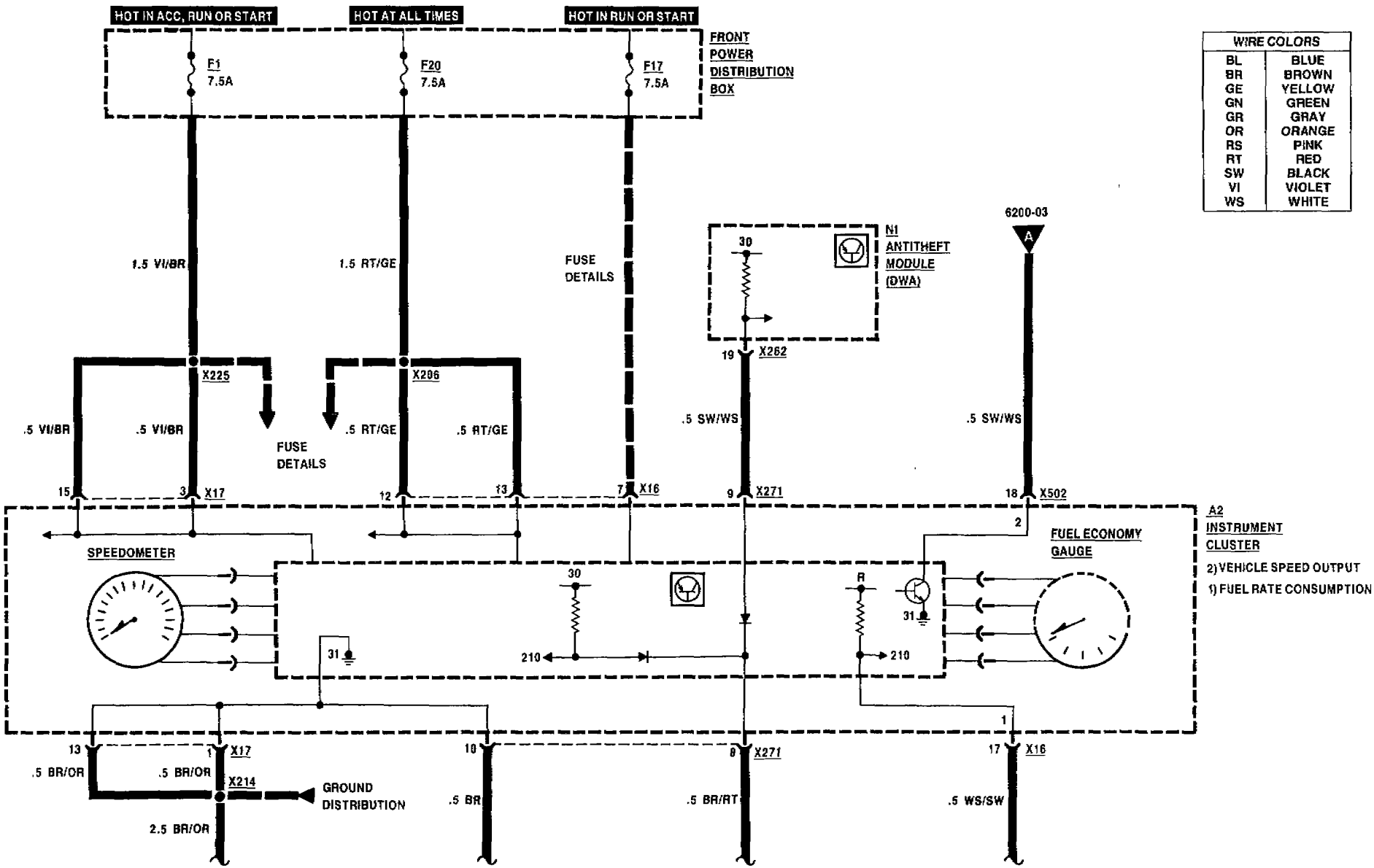


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

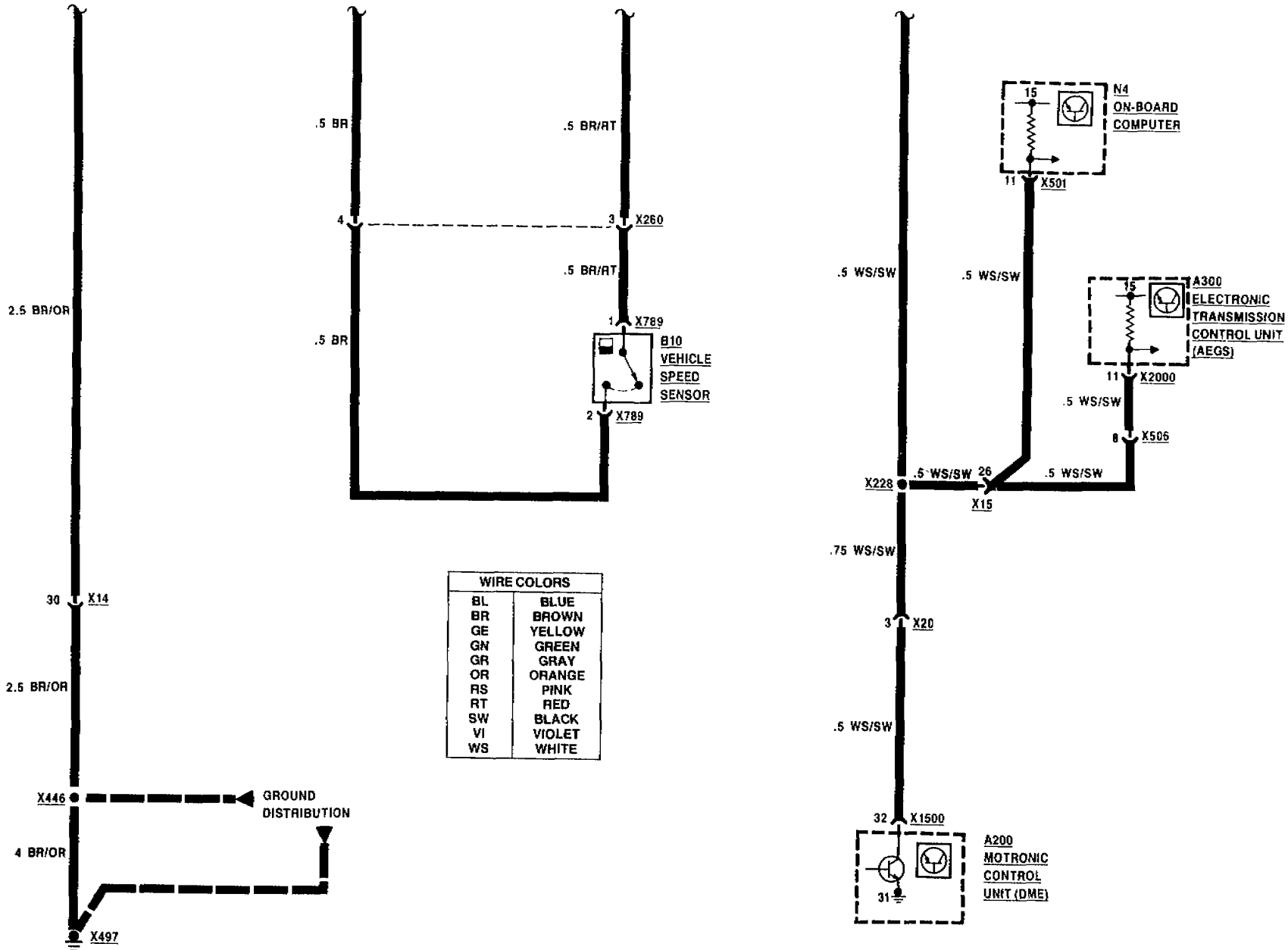
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INSTRUMENT CLUSTER/CHECK CONTROL

INSTRUMENT CLUSTER GAUGES



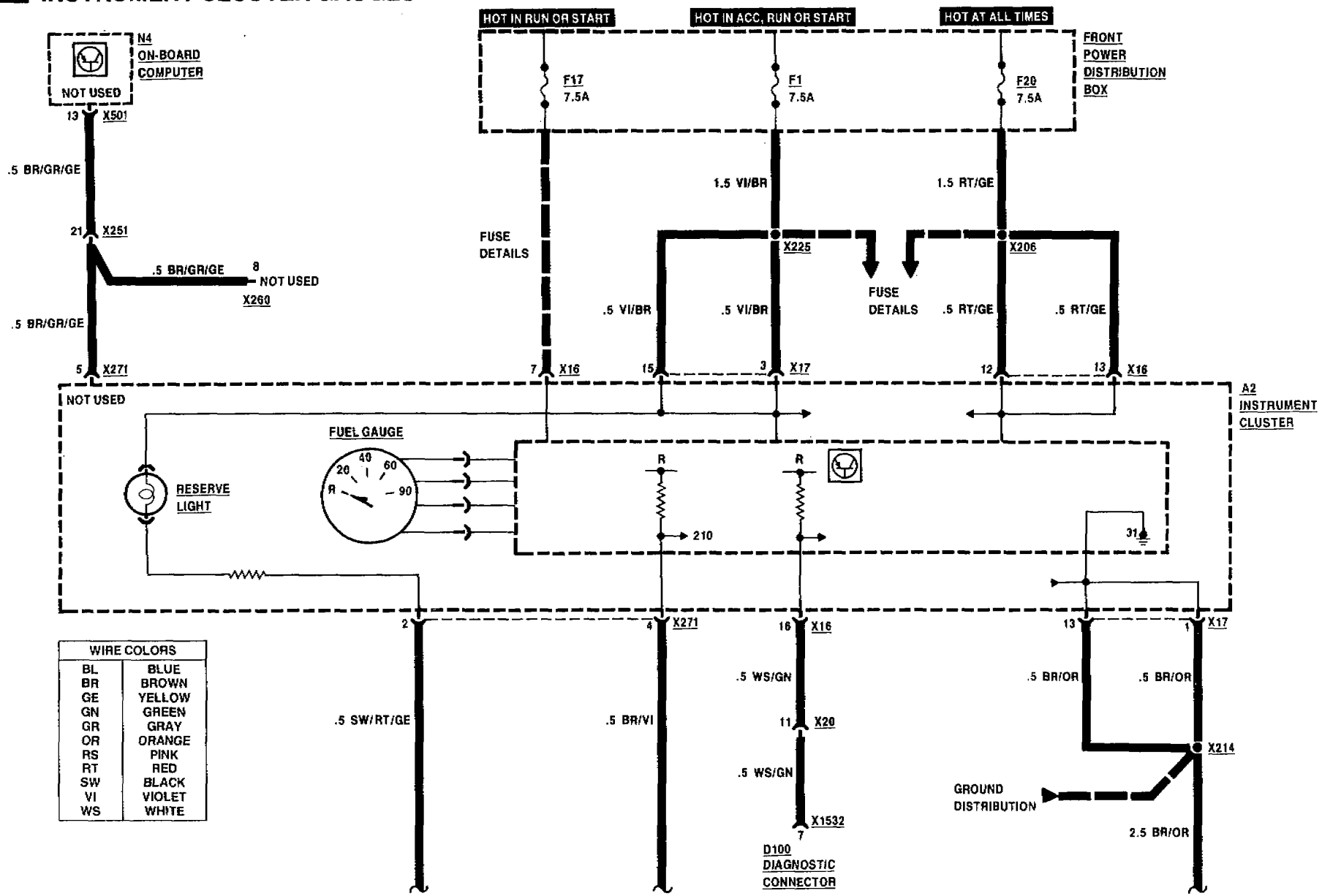
cardiagn.com



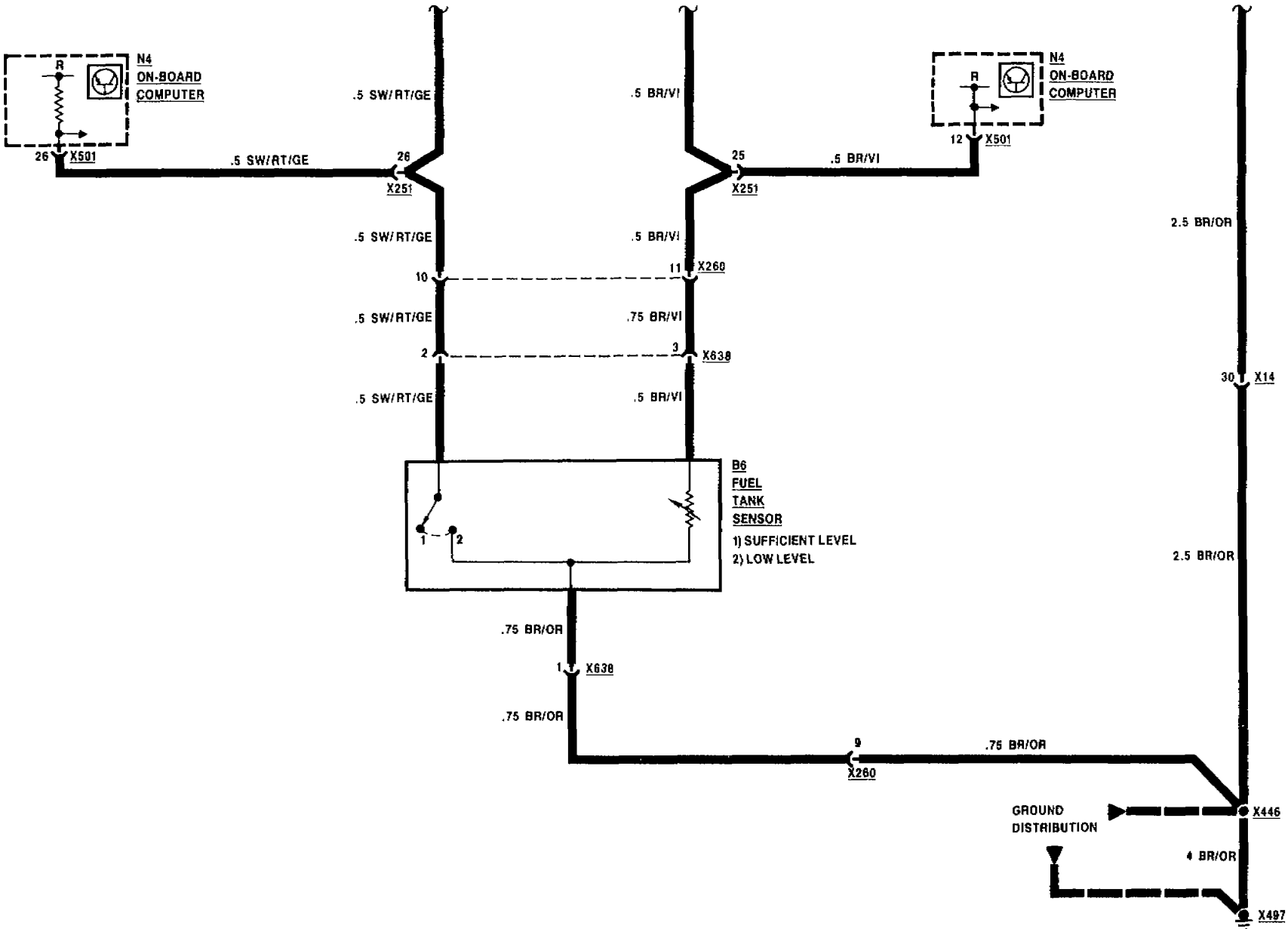
cardiagn.com

INSTRUMENT CLUSTER/CHECK CONTROL

INSTRUMENT CLUSTER GAUGES



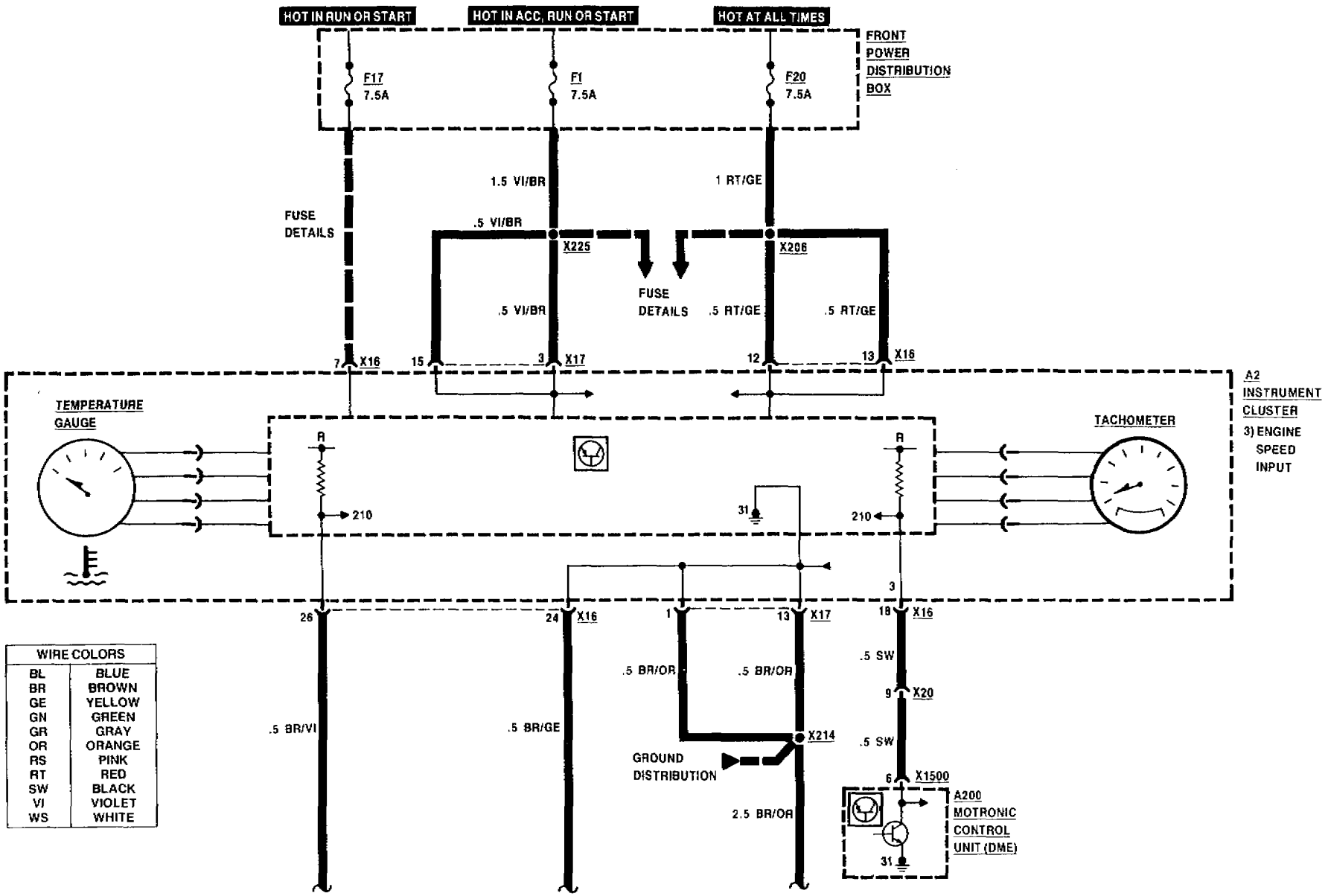
cardiagn.com



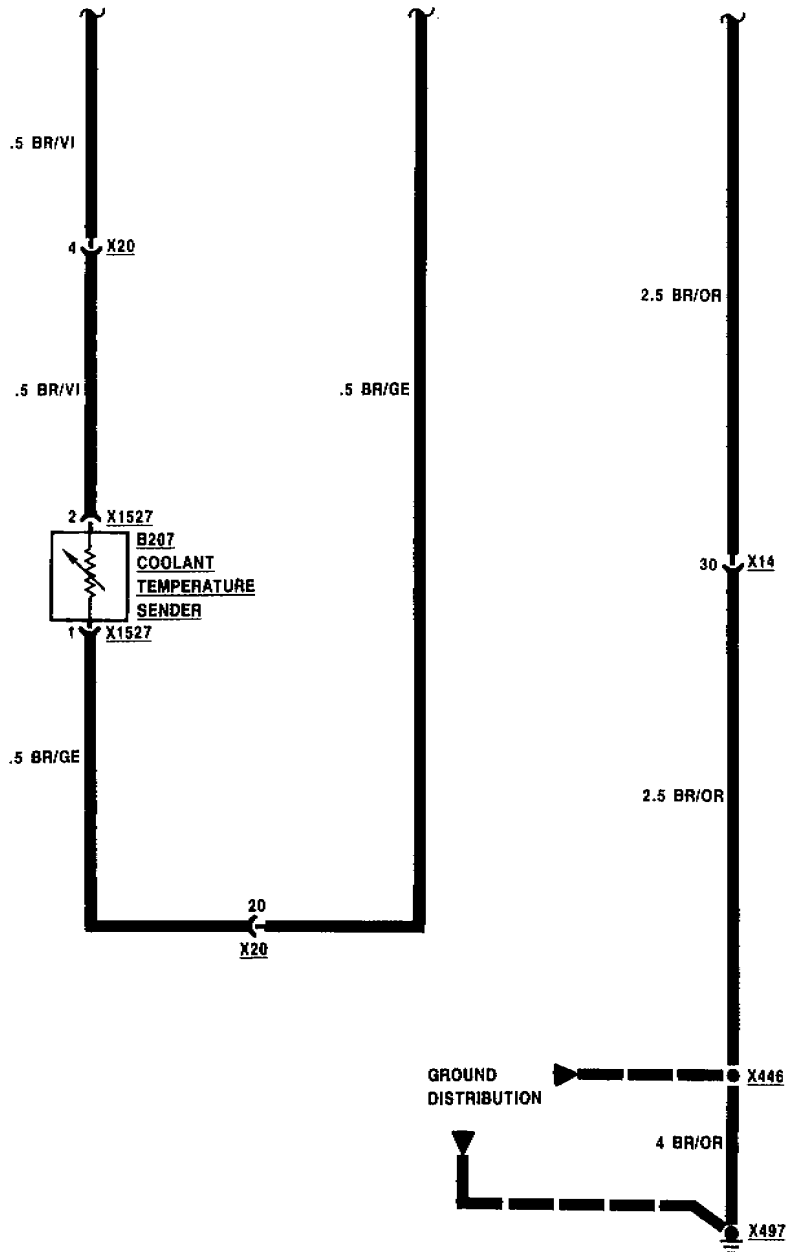
cardiagn.com

INSTRUMENT CLUSTER/CHECK CONTROL

INSTRUMENT CLUSTER GAUGES



cardiagn.com

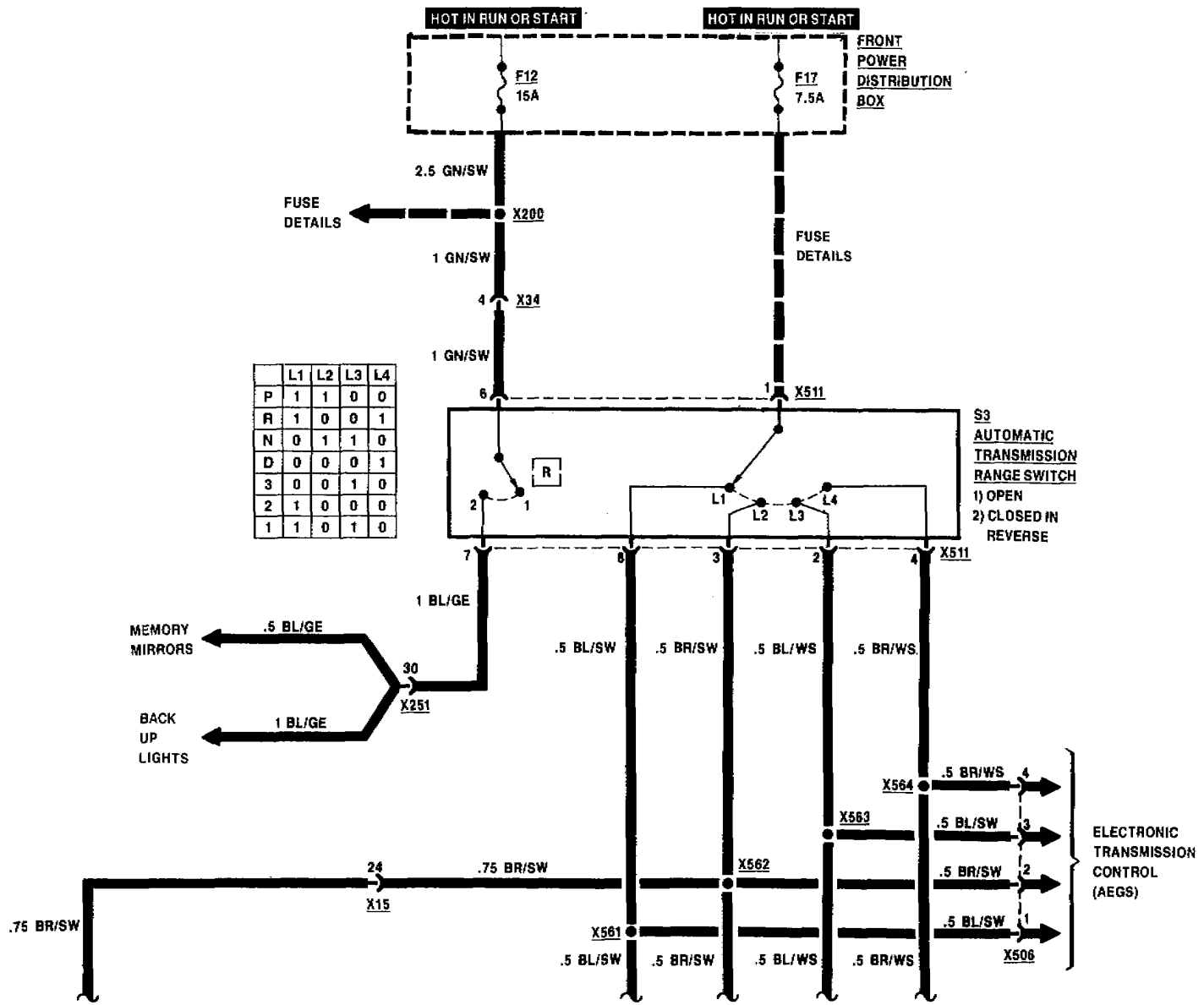


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carDiagn.com

INSTRUMENT CLUSTER/CHECK CONTROL

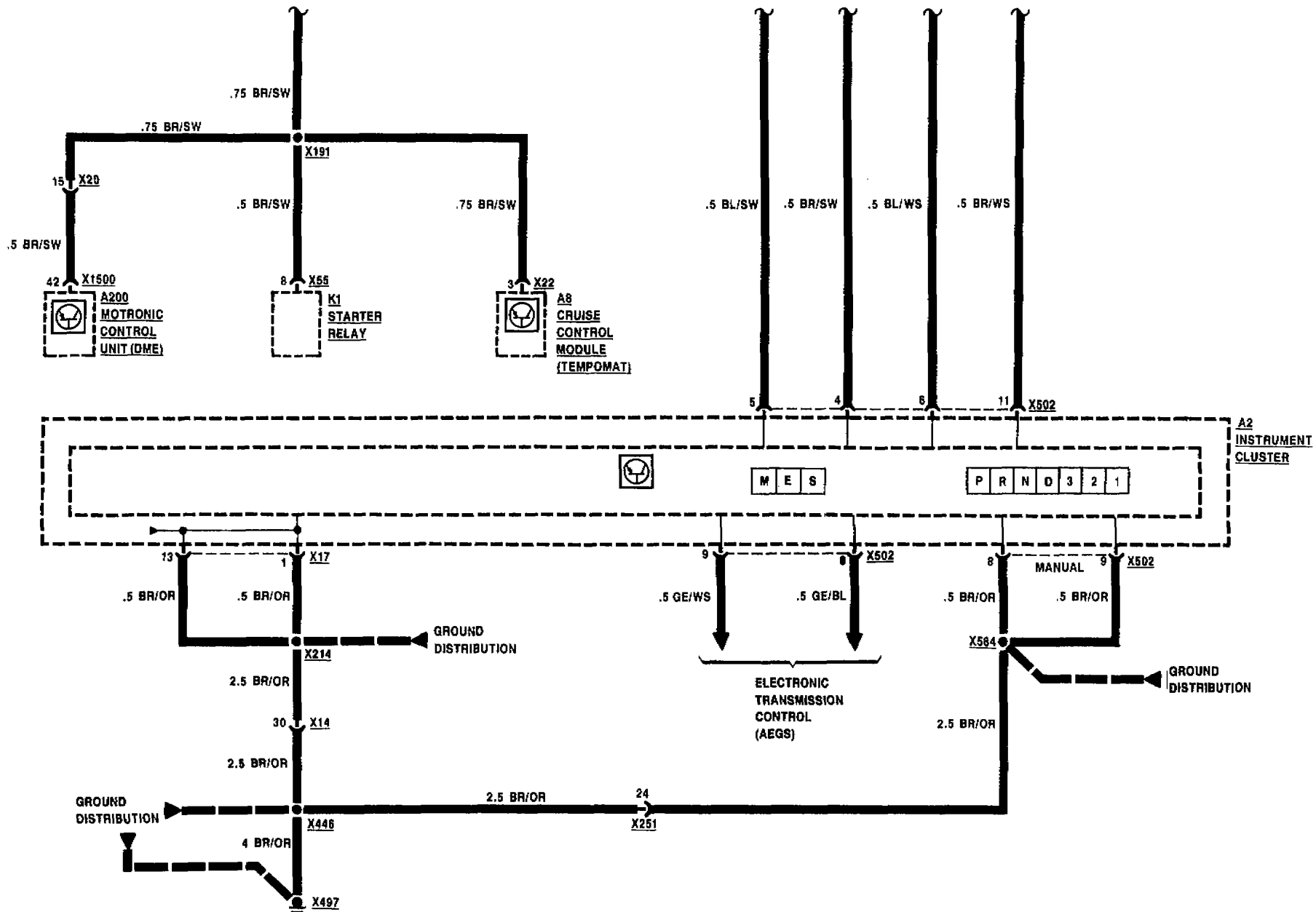
GEAR INDICATOR



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

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

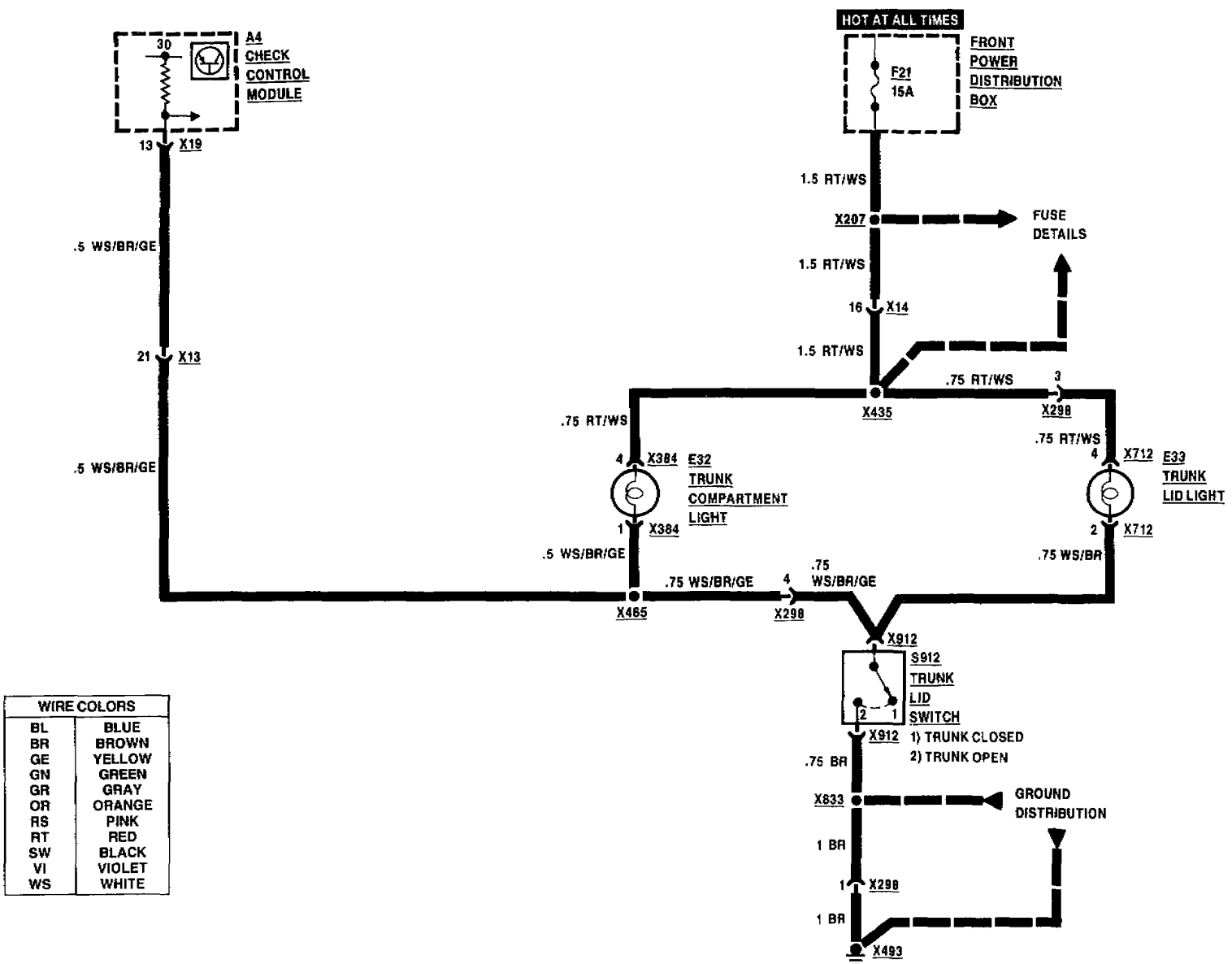
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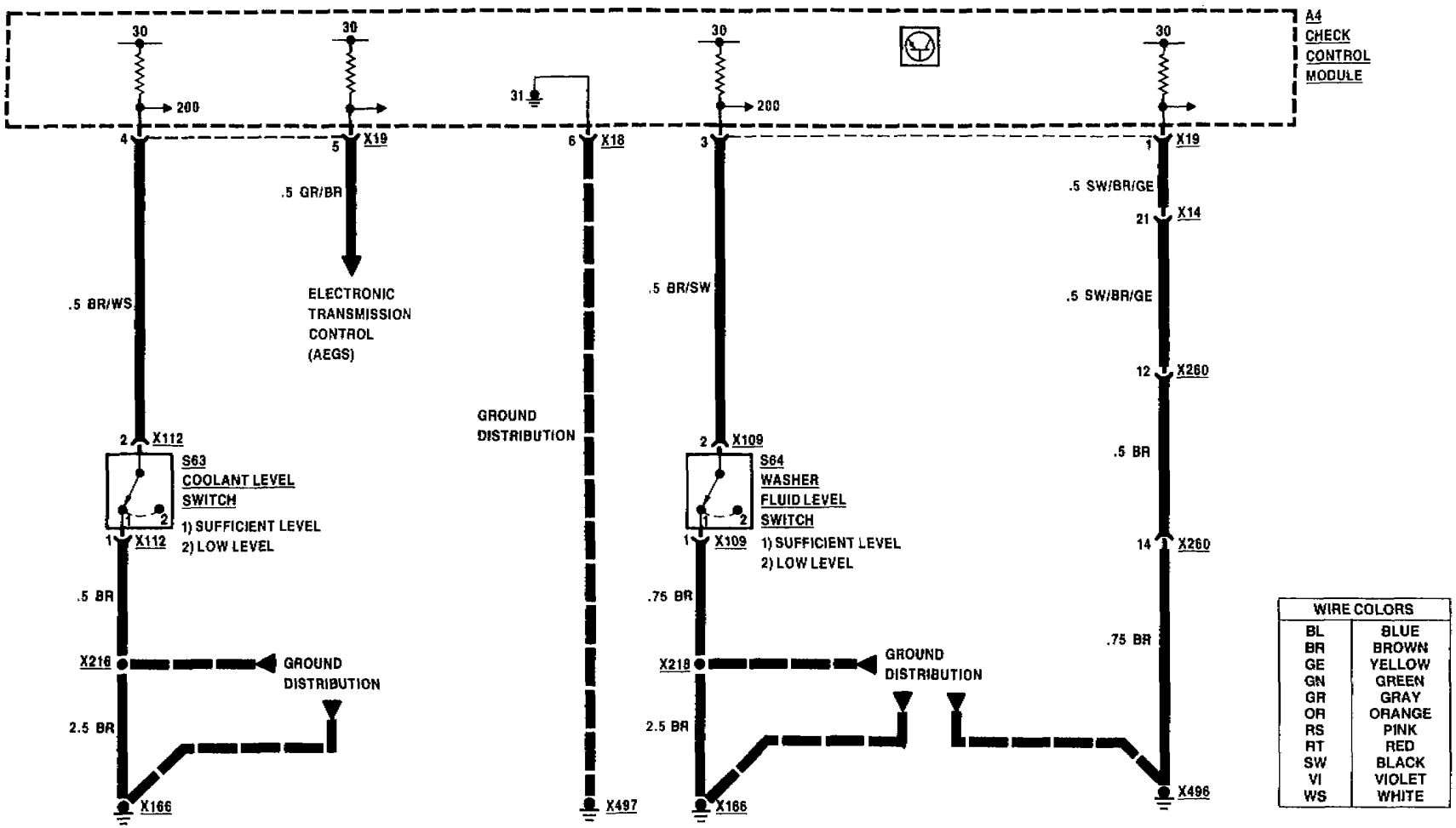
INSTRUMENT CLUSTER/CHECK CONTROL

CHECK CONTROL



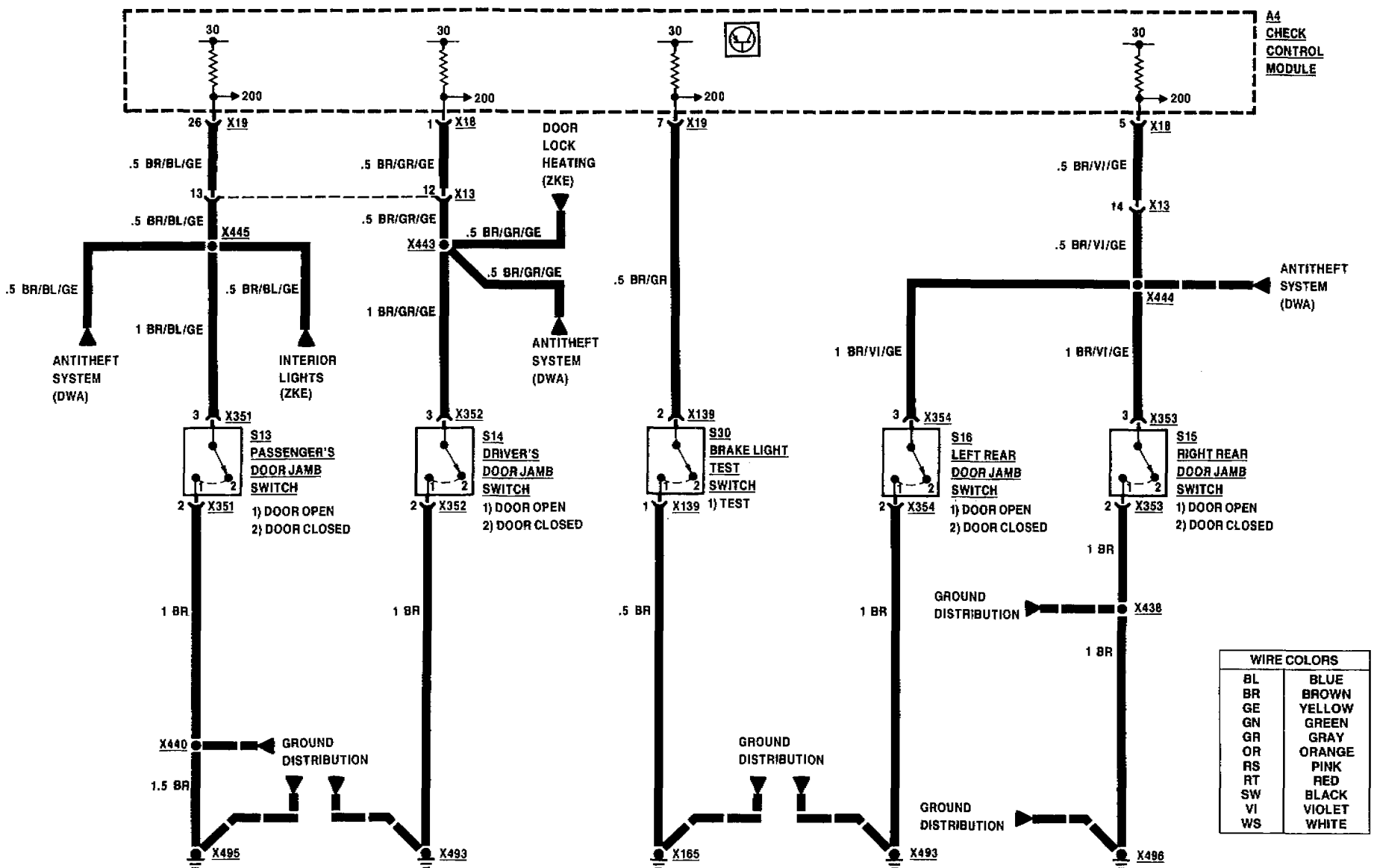
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com



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

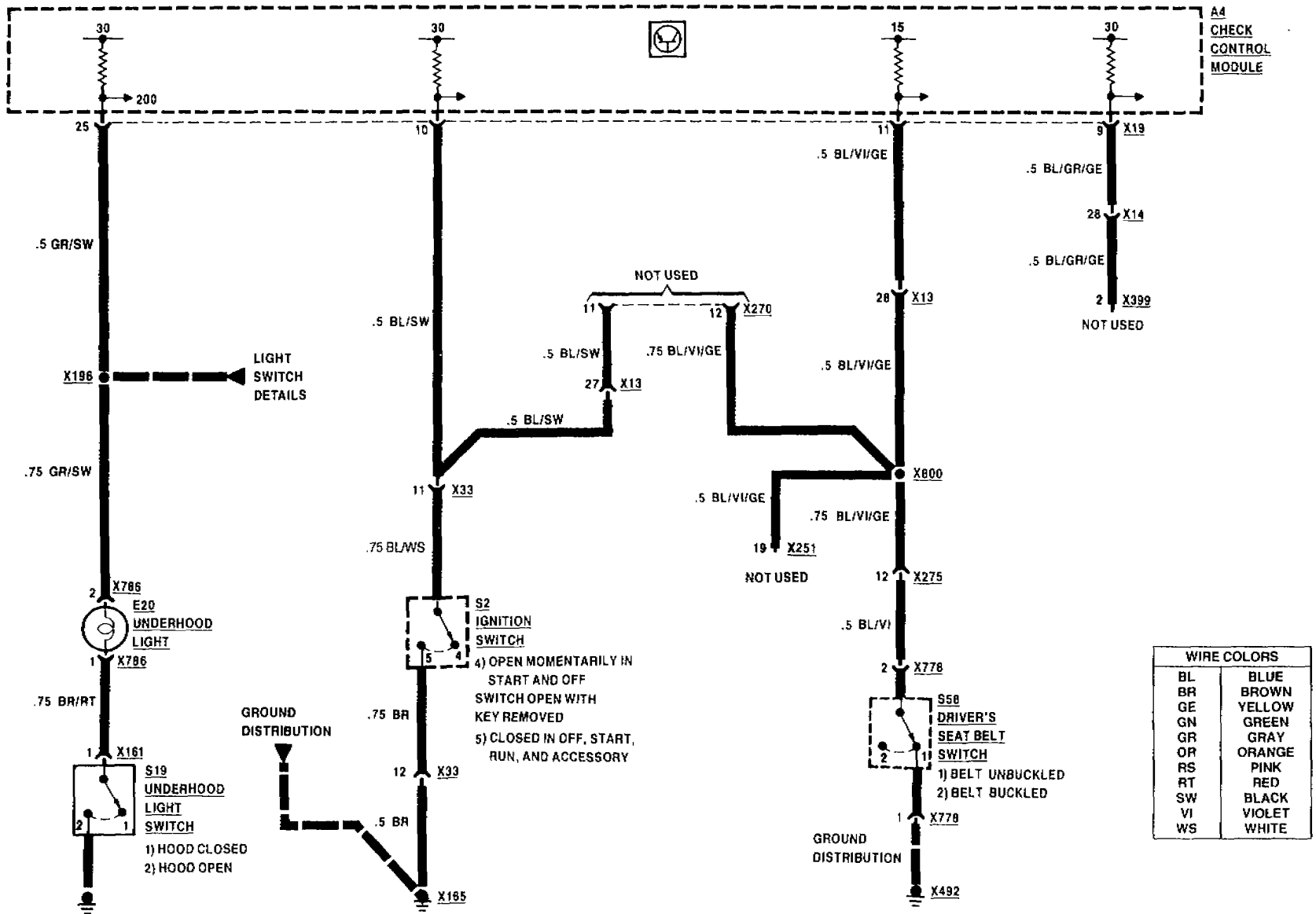
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INSTRUMENT CLUSTER/CHECK CONTROL

CHECK CONTROL

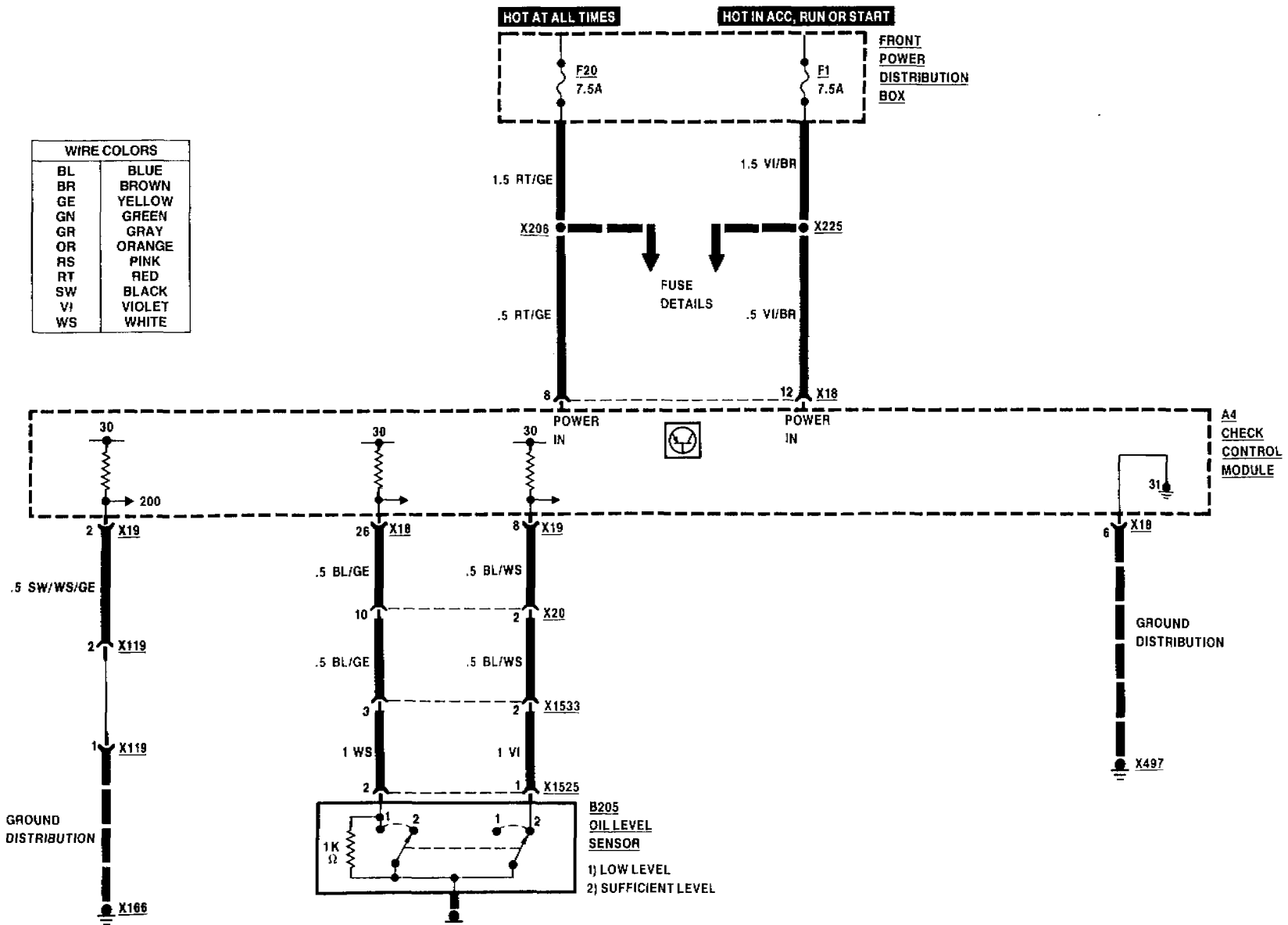


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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INSTRUMENT CLUSTER/CHECK CONTROL

CHECK CONTROL



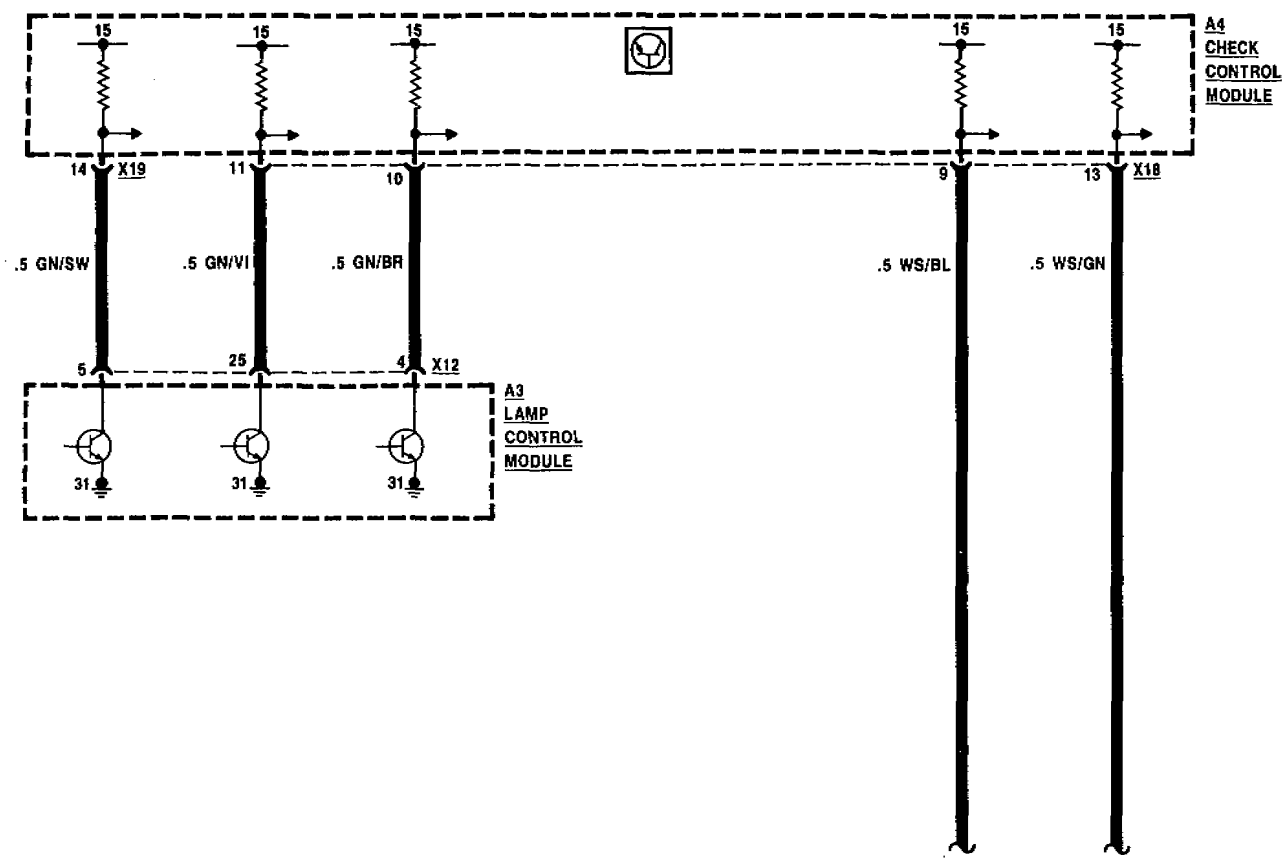
cardiagn.com

**FOR INSTRUMENT CLUSTER/CHECK CONTROL:
DATA LINK,
SEE PAGE 6200-03**

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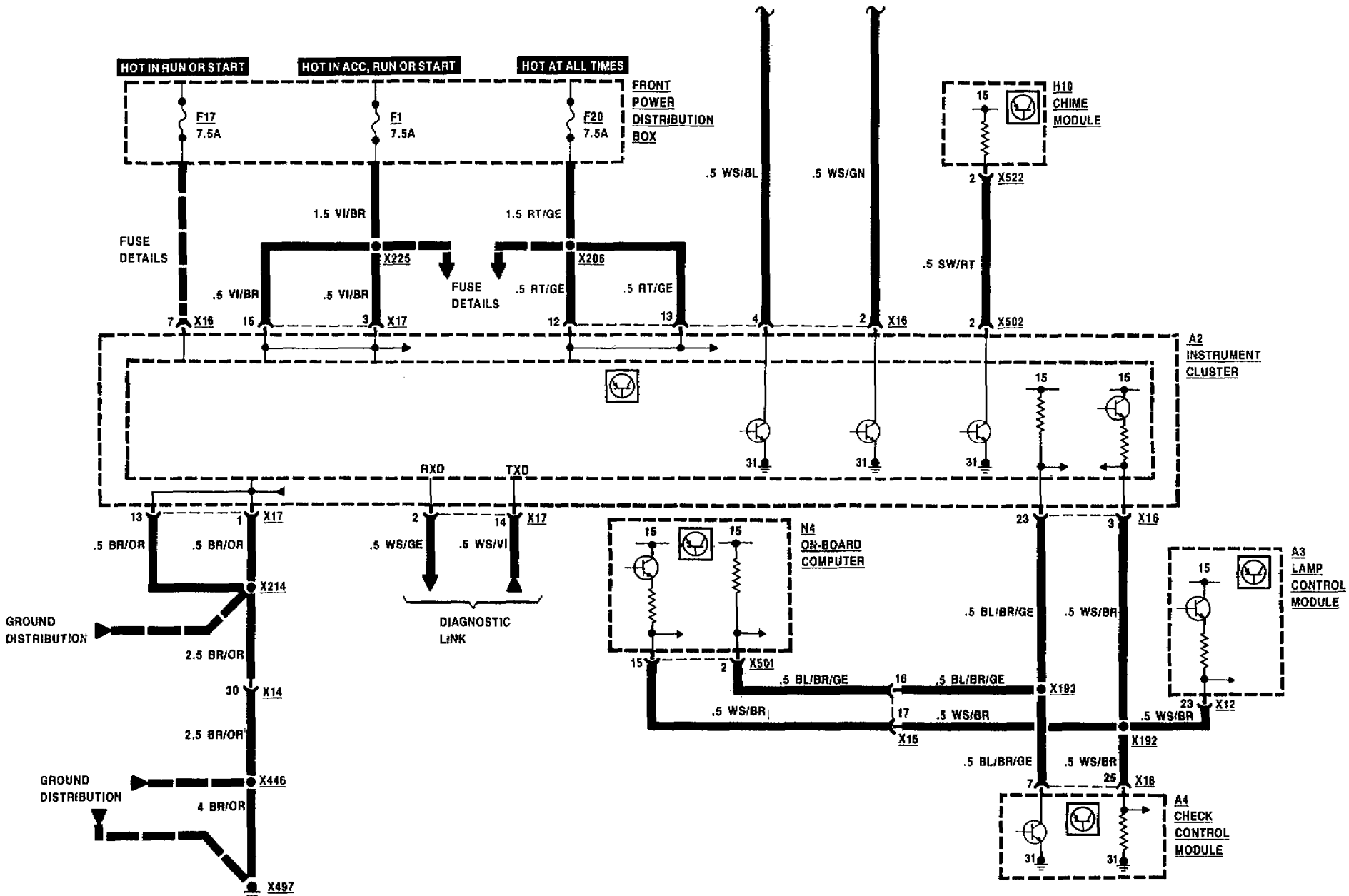
INSTRUMENT CLUSTER/CHECK CONTROL

DATA LINK



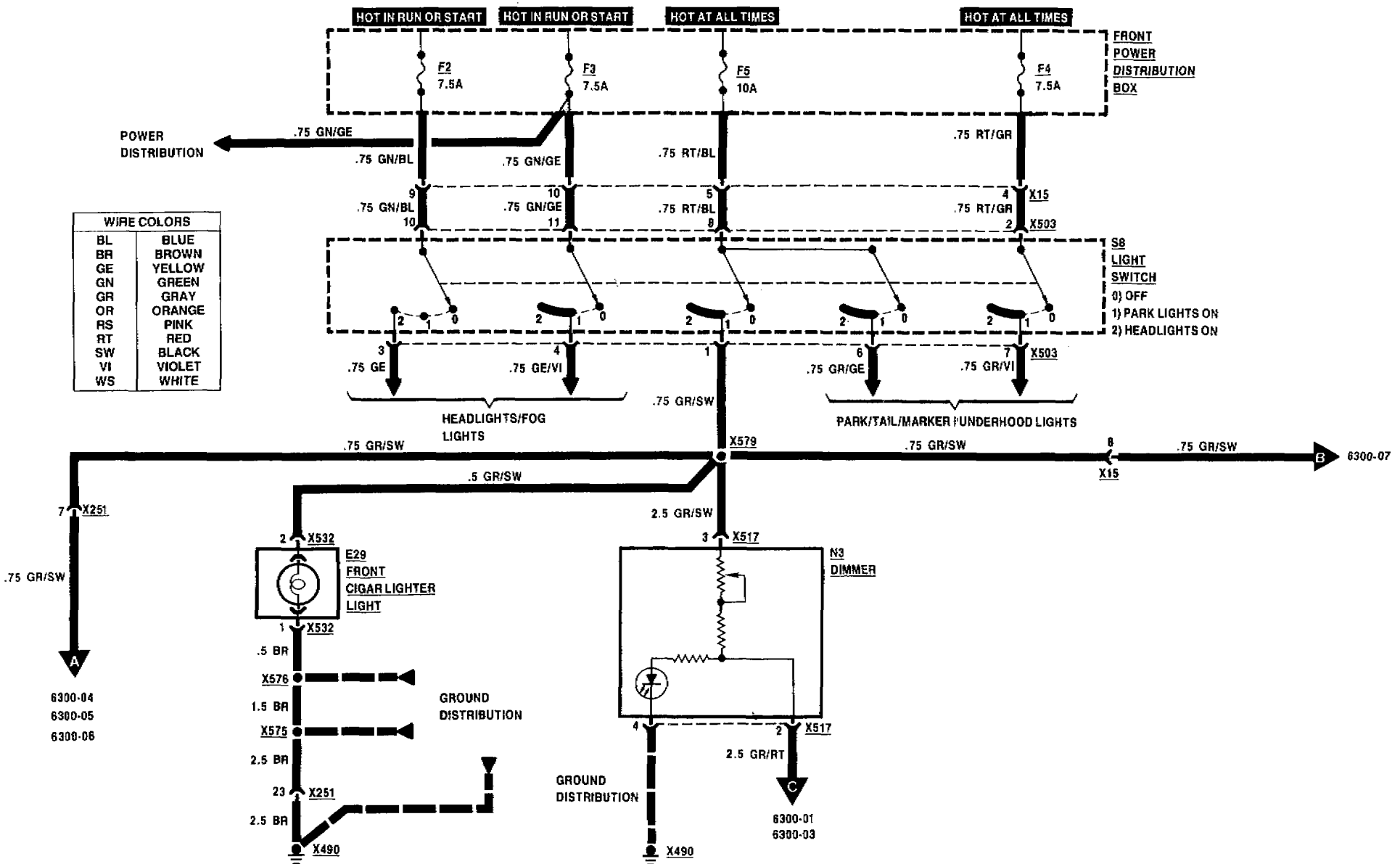
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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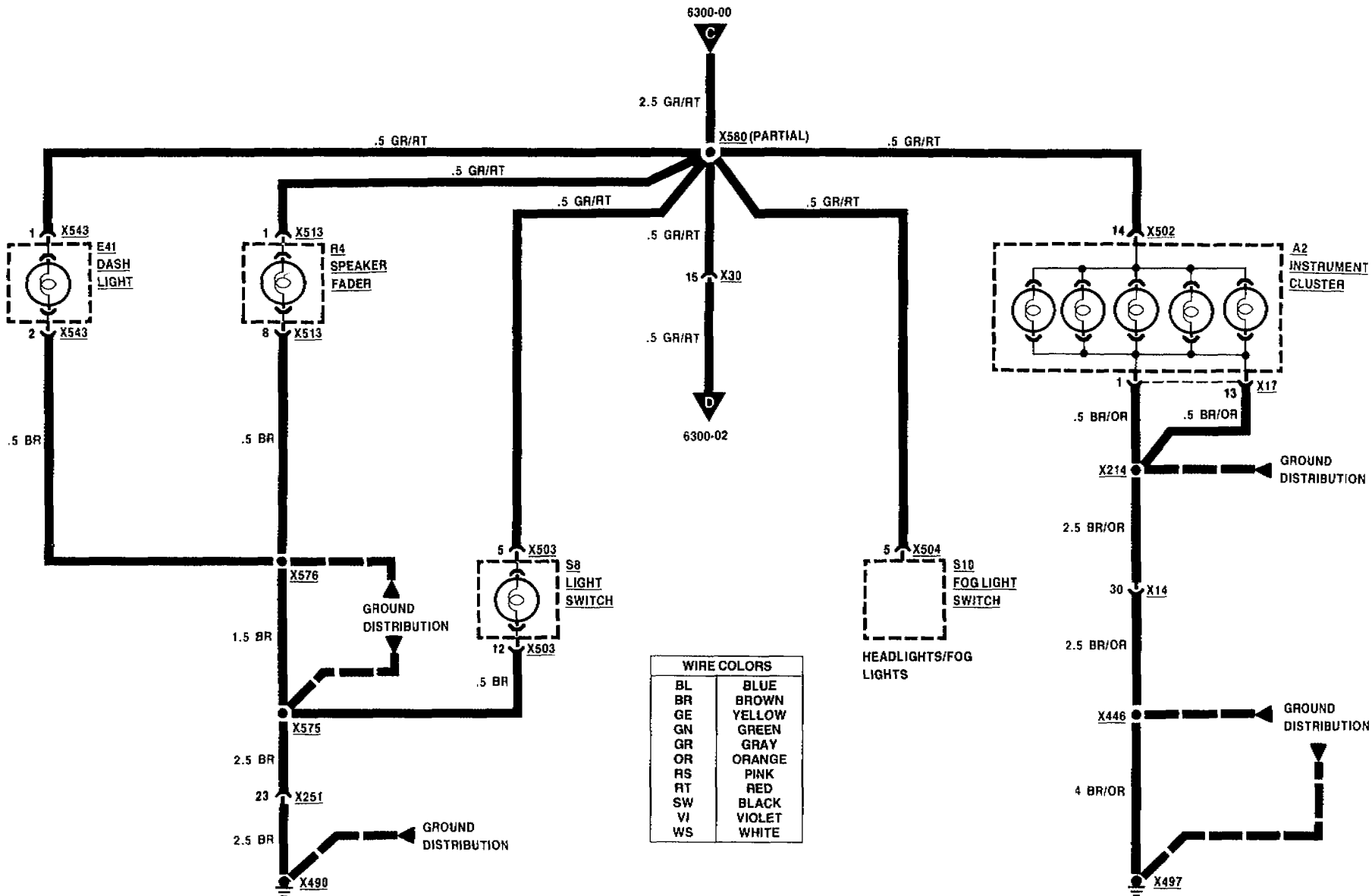
LIGHT SWITCH DETAILS



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

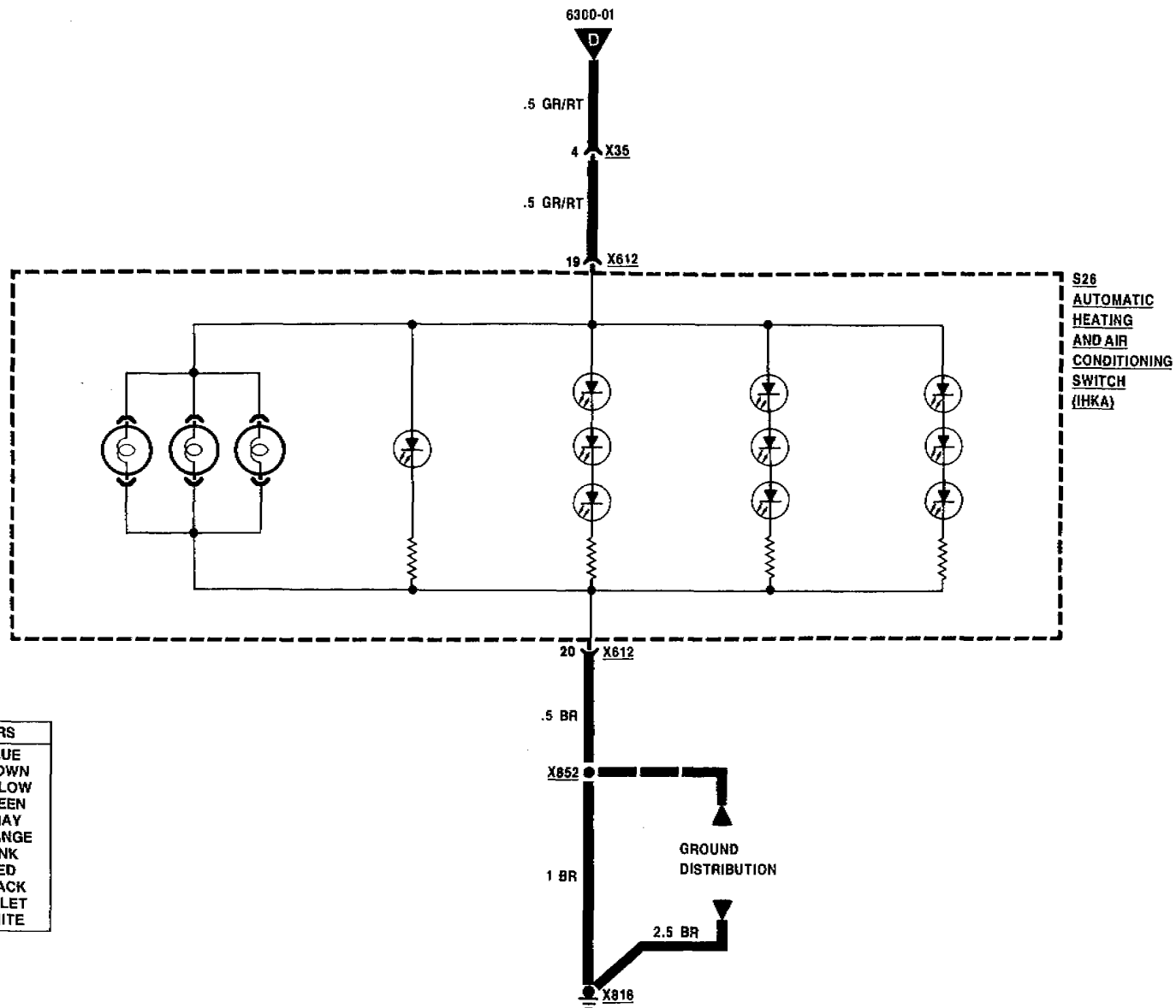
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LIGHT SWITCH DETAILS



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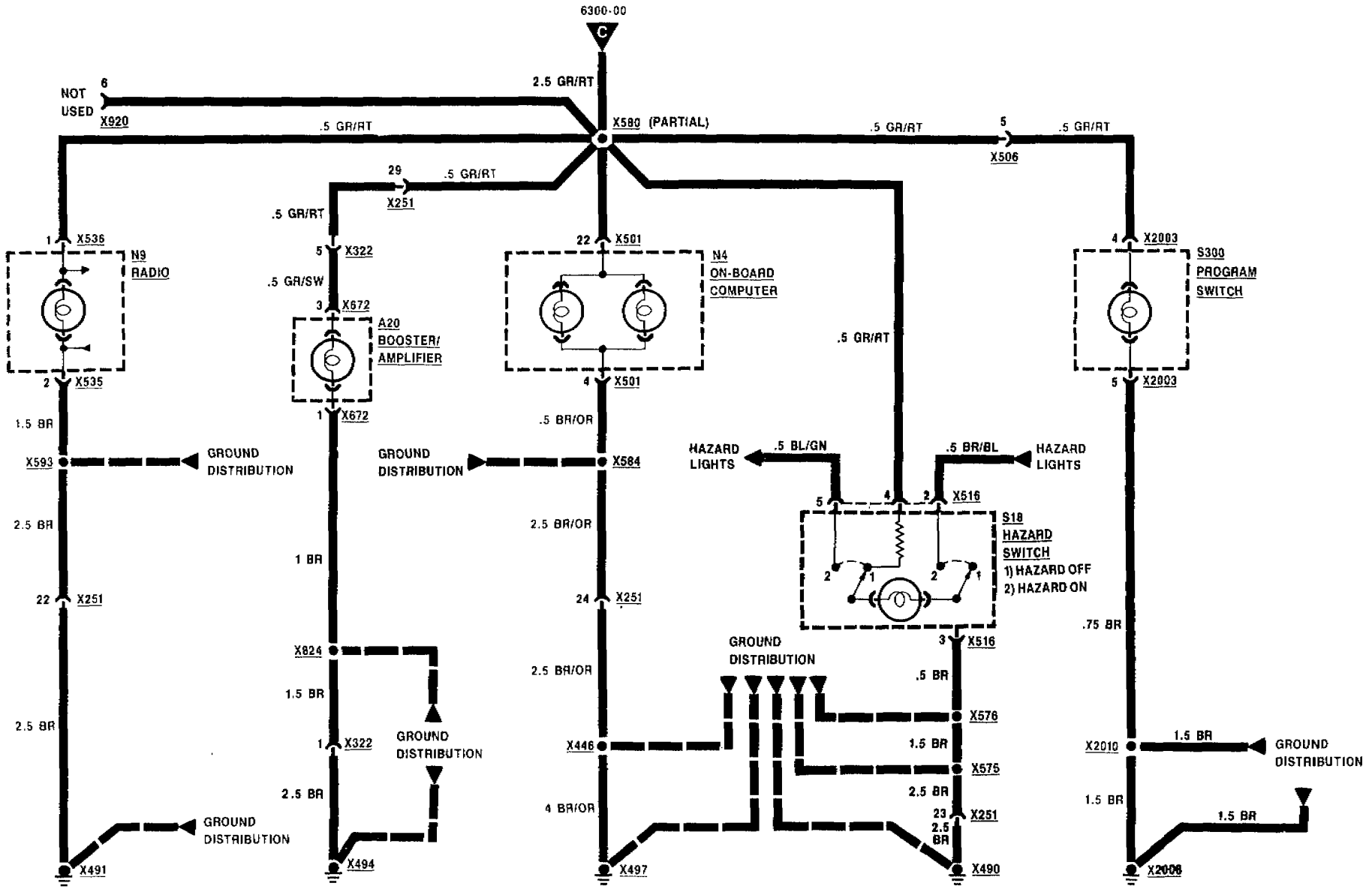
LIGHT SWITCH DETAILS



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
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RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

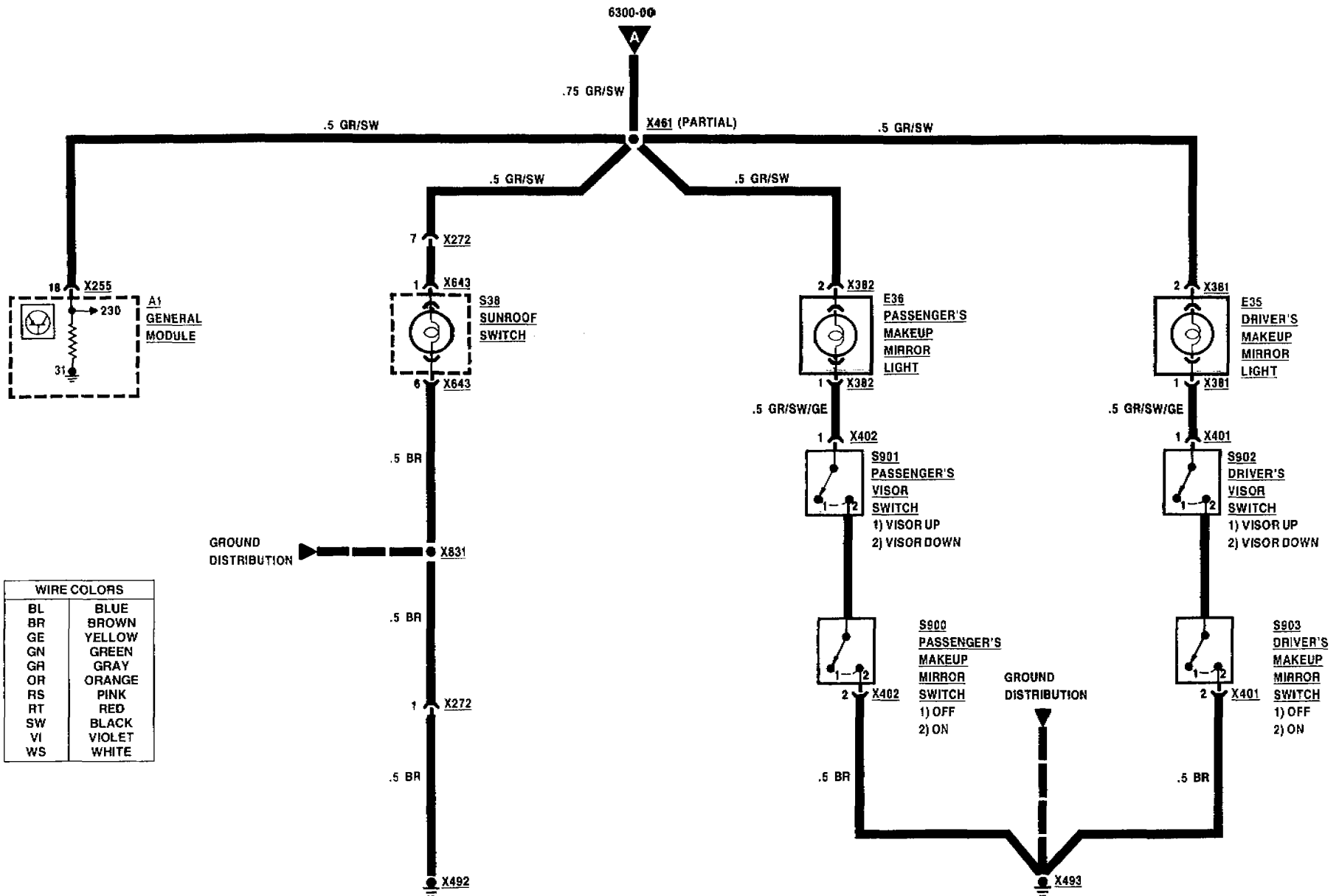
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LIGHT SWITCH DETAILS



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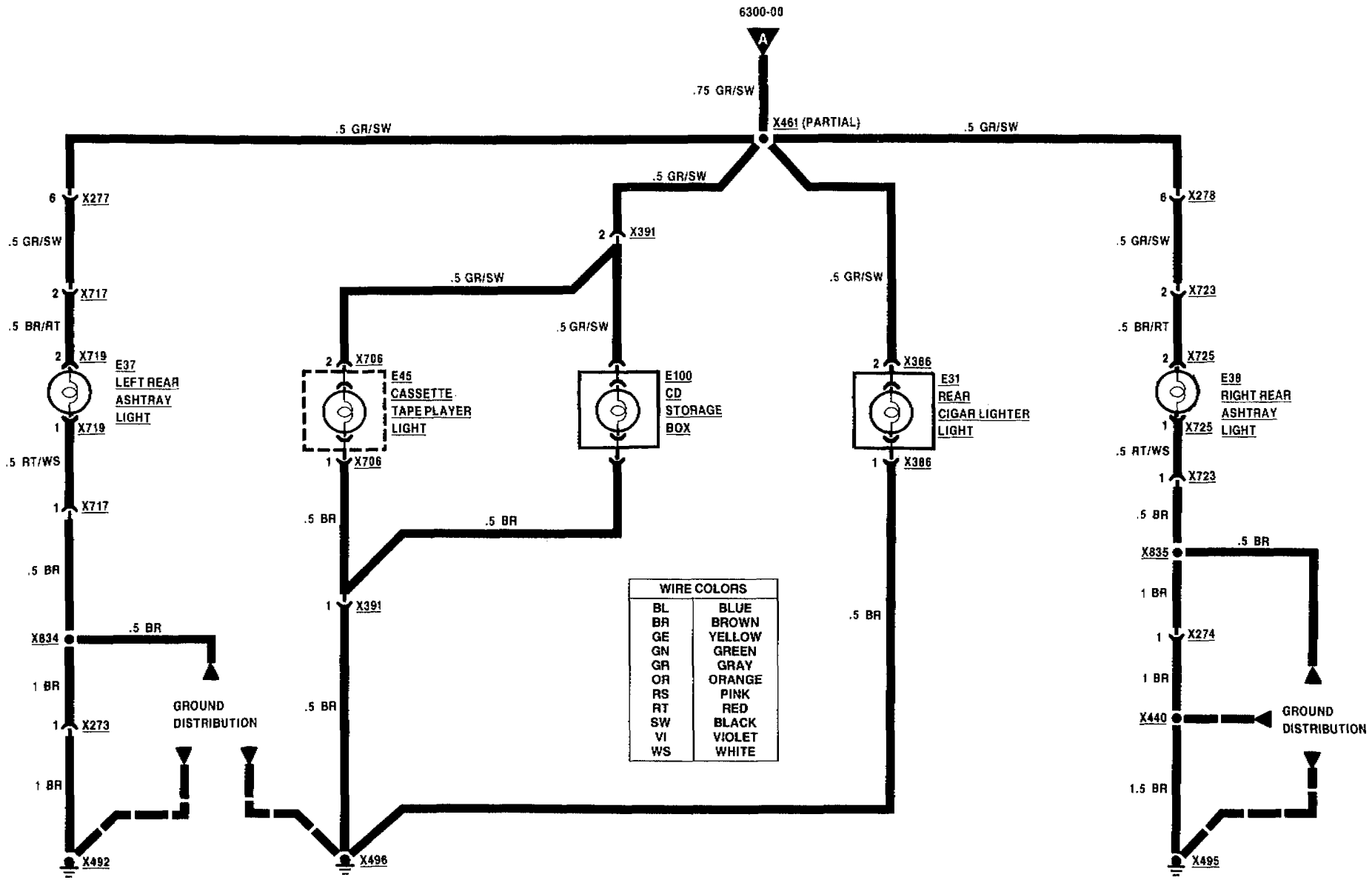
LIGHT SWITCH DETAILS



WIRE COLORS	
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BR	BROWN
GE	YELLOW
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VI	VIOLET
WS	WHITE

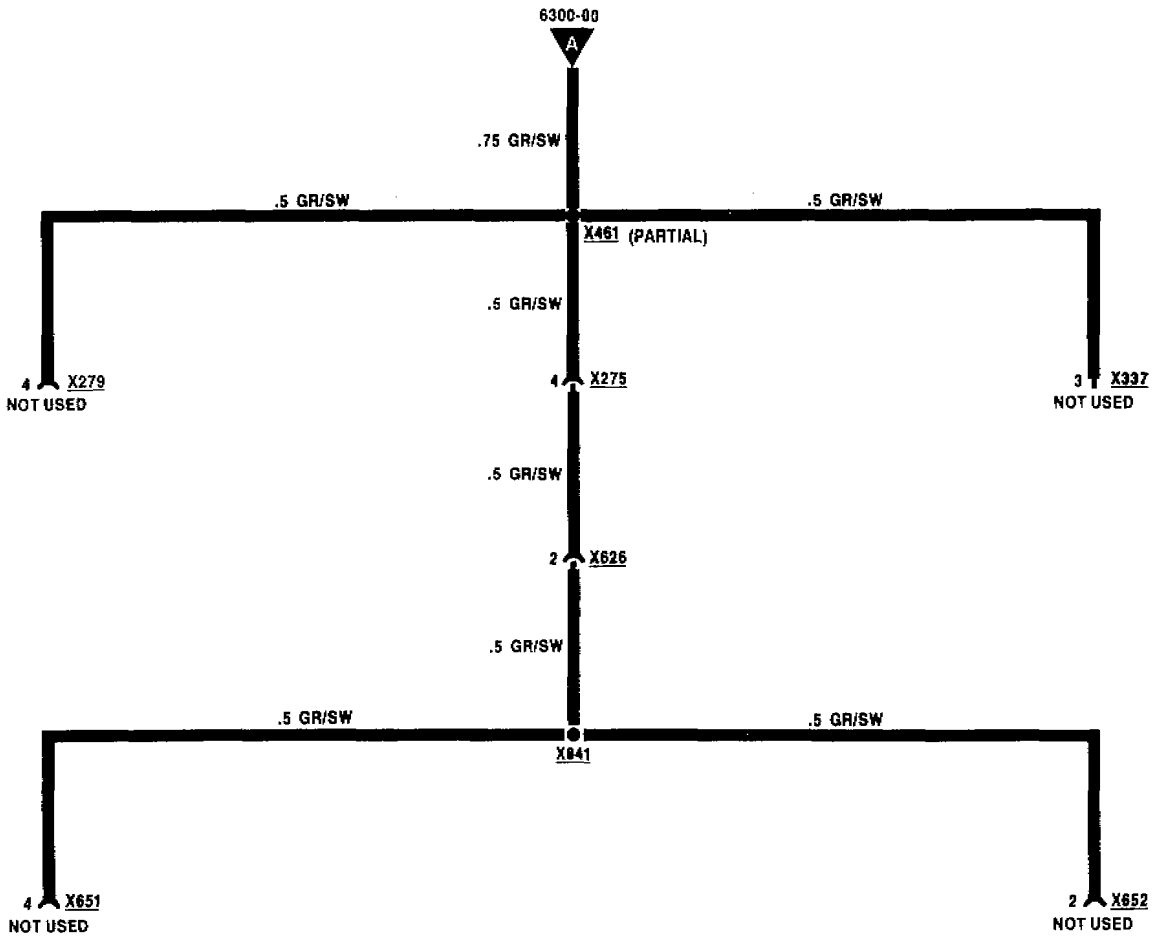
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LIGHT SWITCH DETAILS



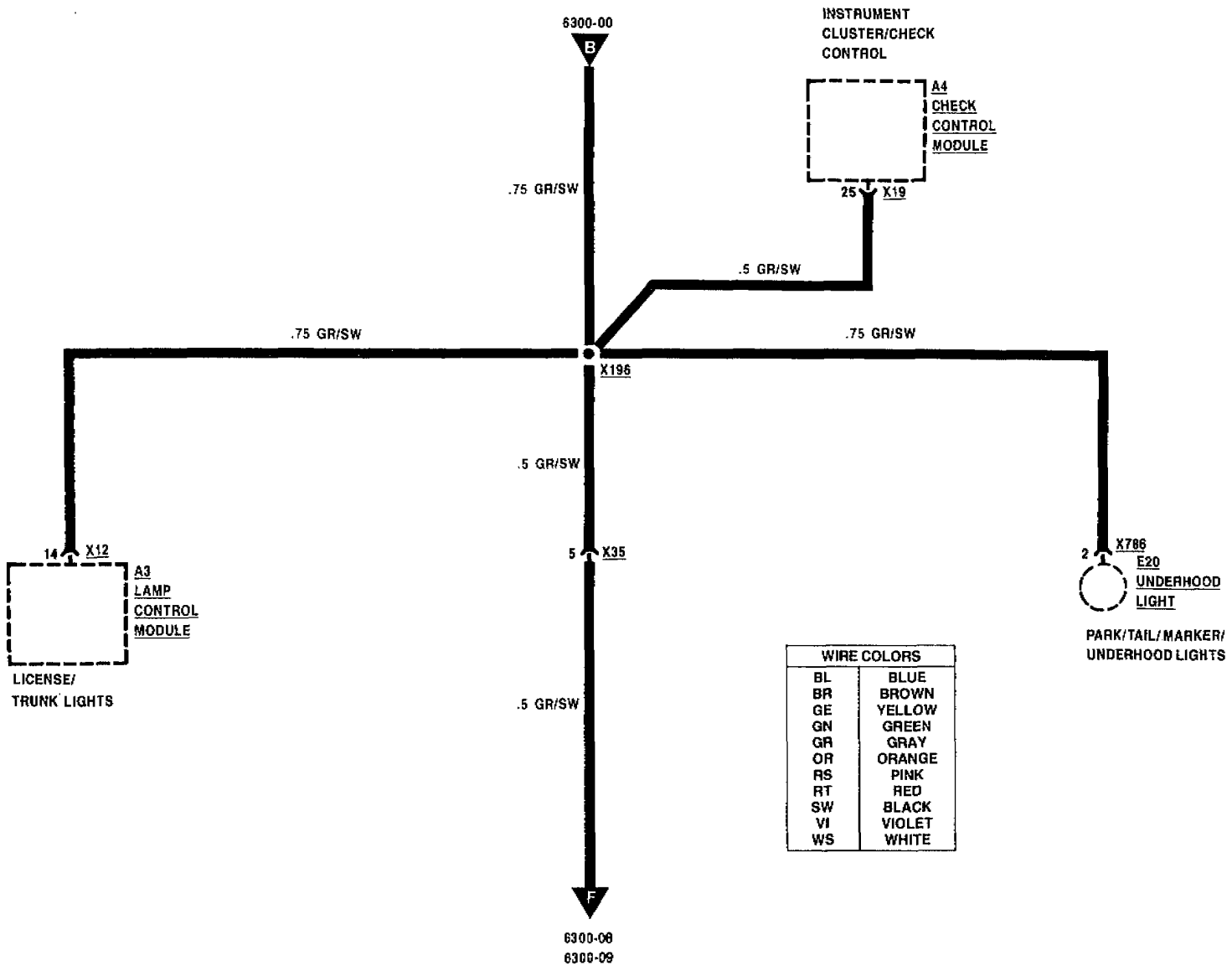
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LIGHT SWITCH DETAILS



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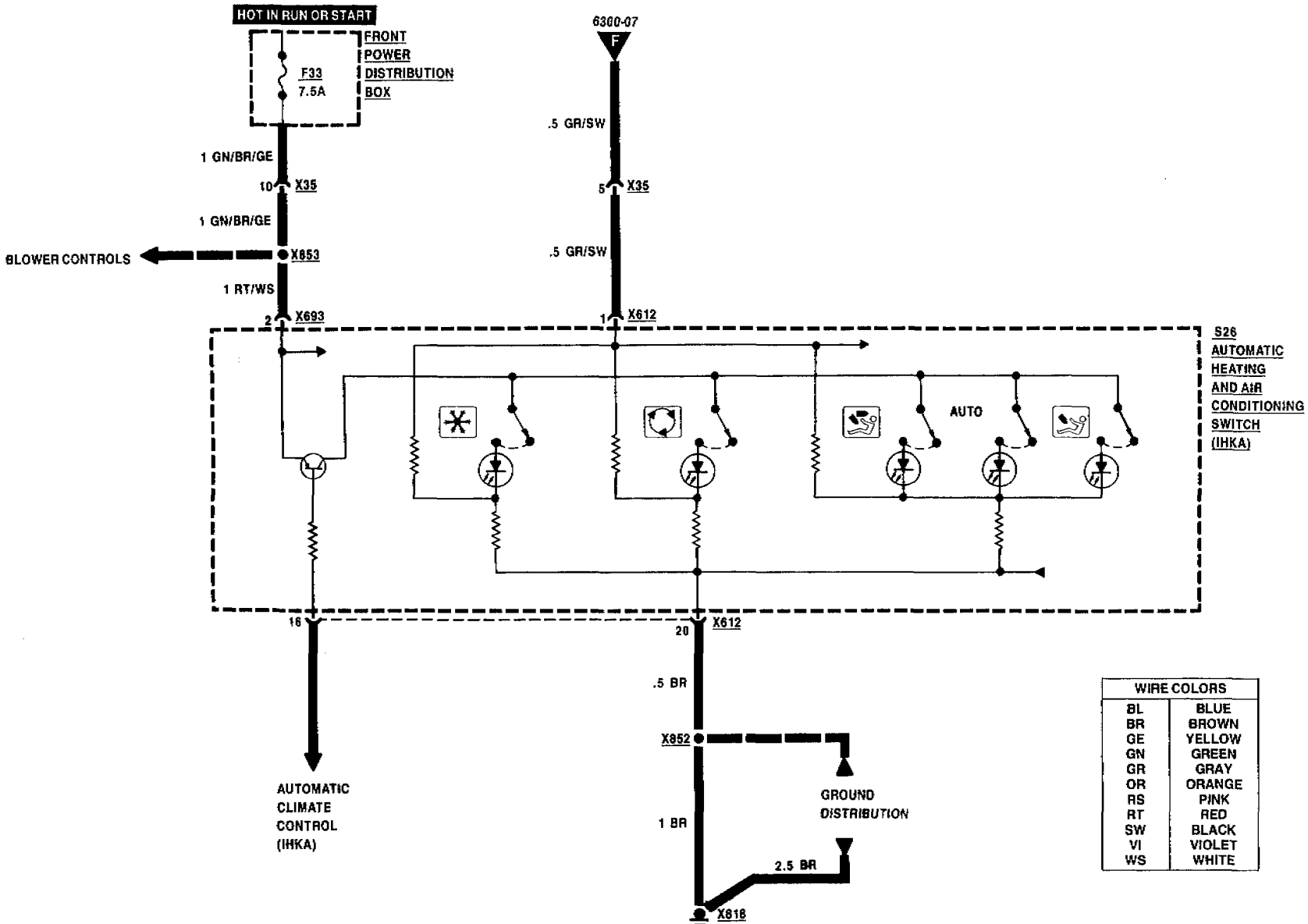
LIGHT SWITCH DETAILS



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
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cardiagn.com

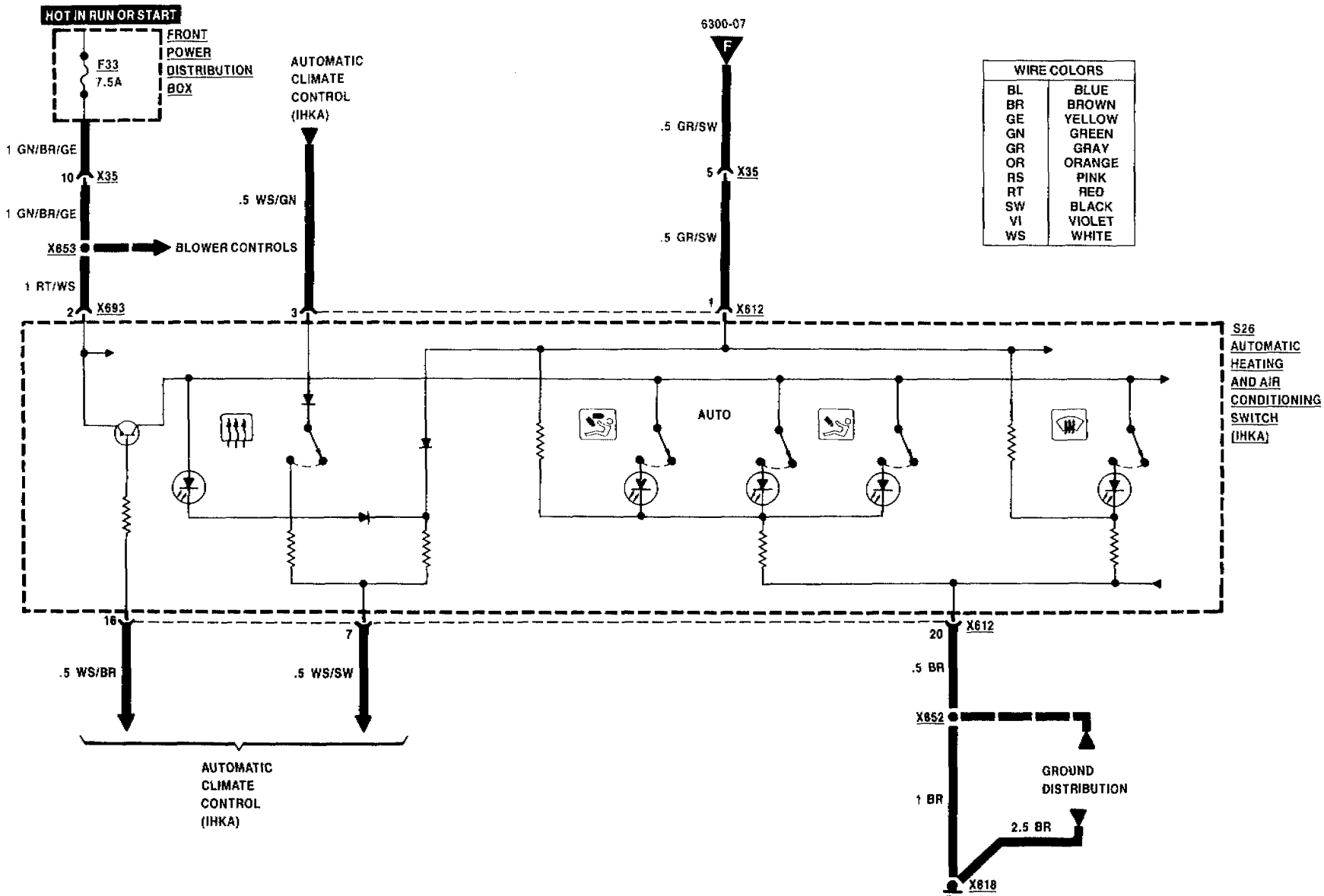
LIGHT SWITCH DETAILS



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
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RS	PINK
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WS	WHITE

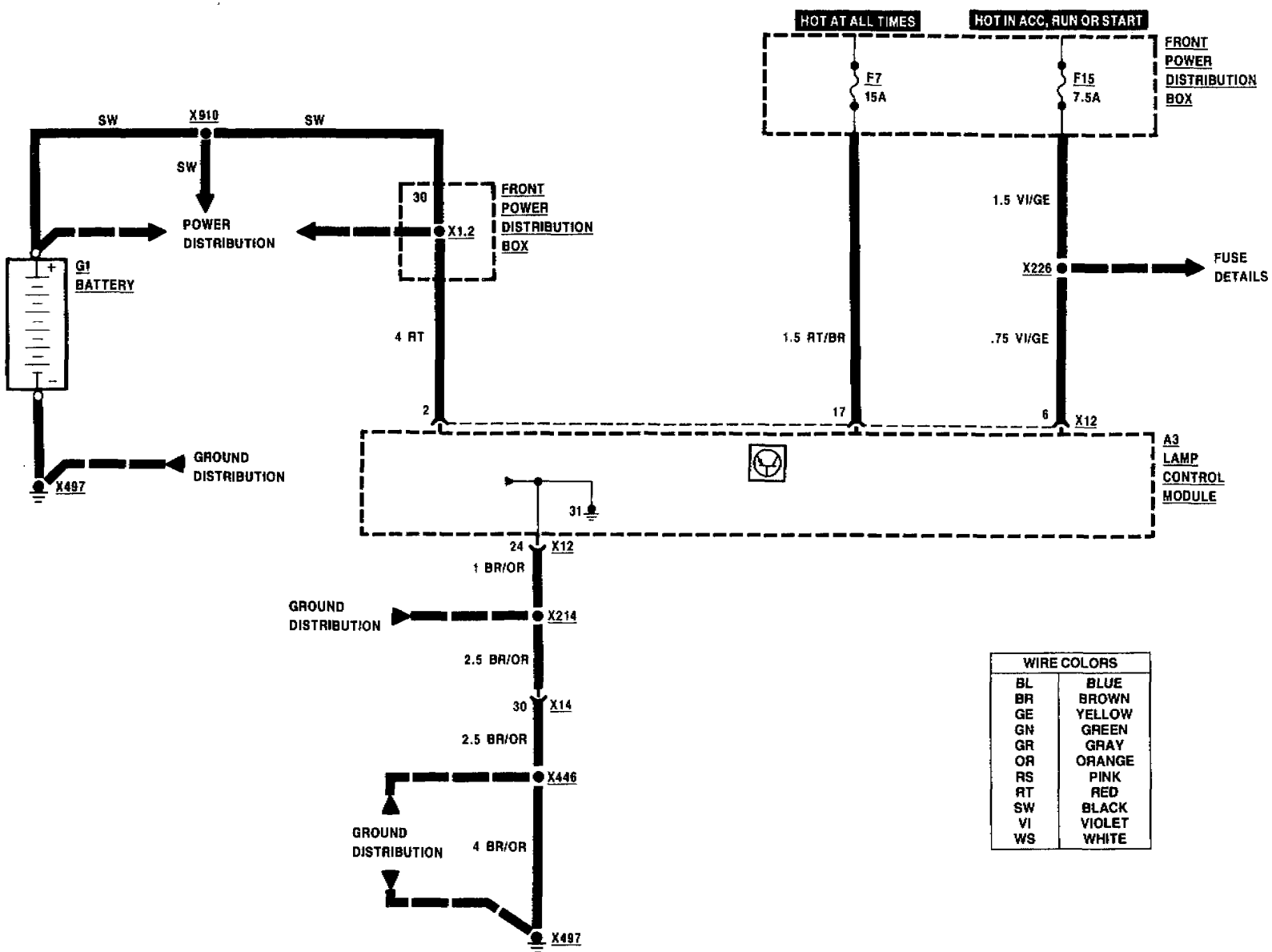
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LIGHT SWITCH DETAILS



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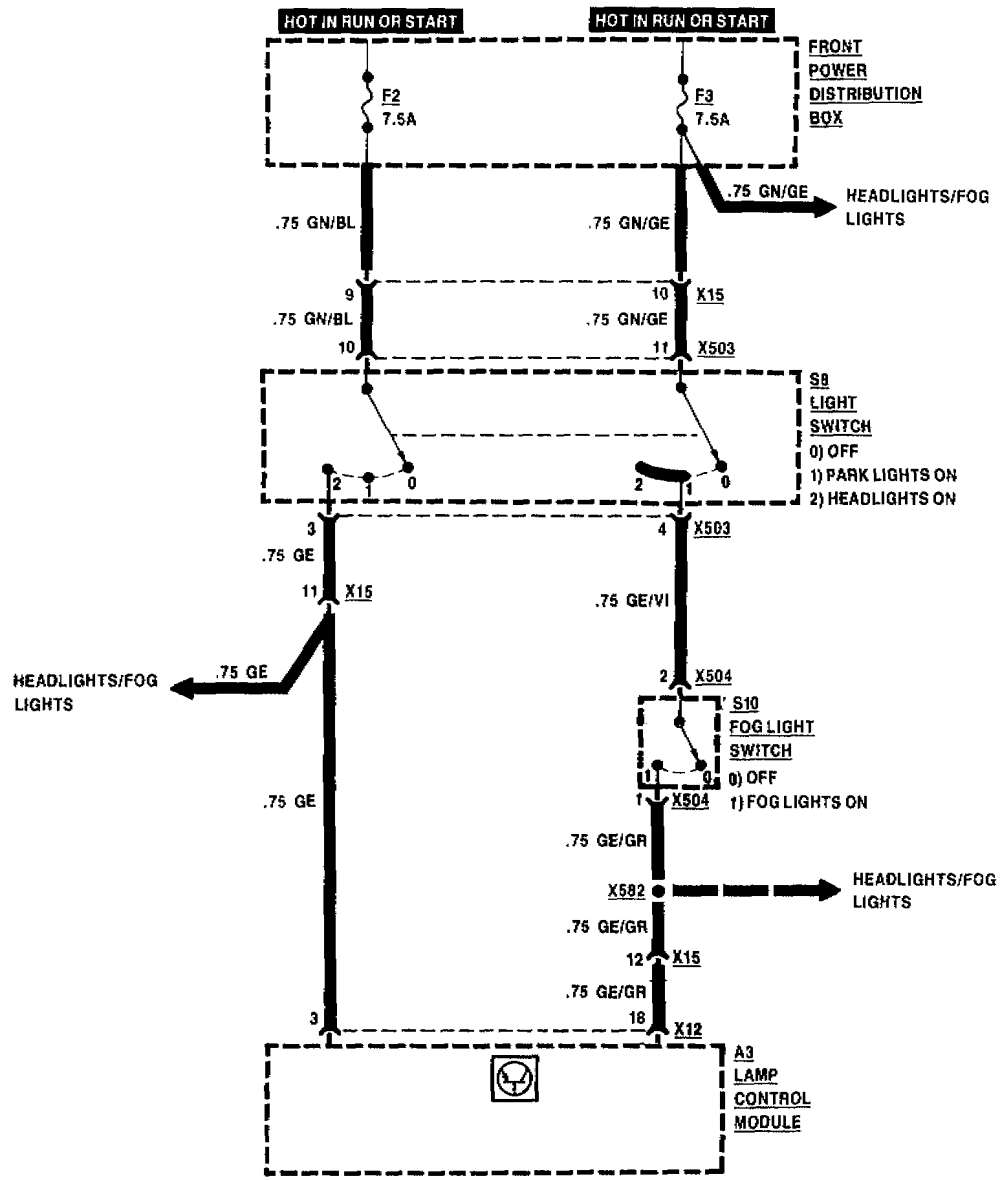
LAMP MONITOR (LKM)



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

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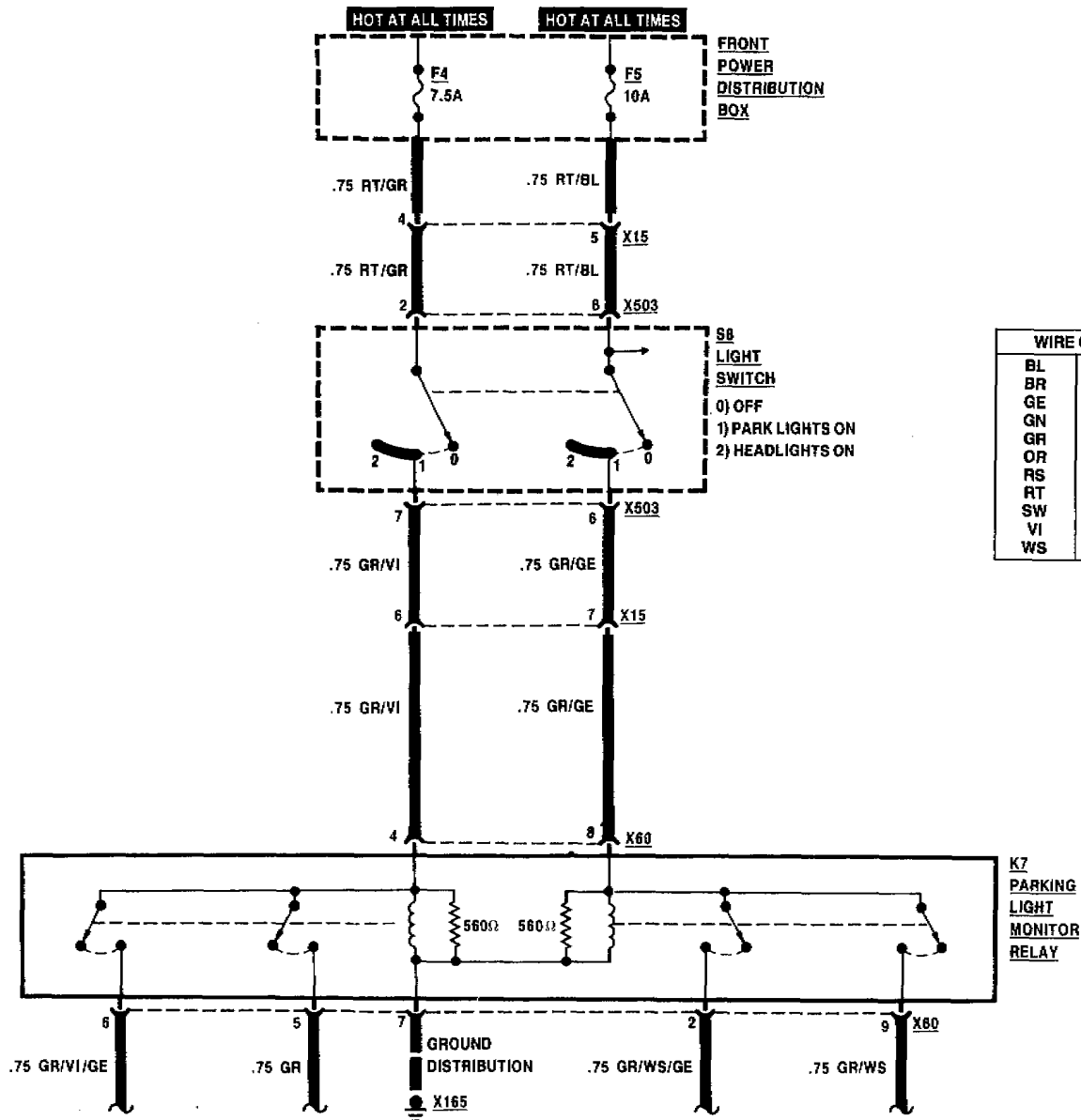
LAMP MONITOR (LKM)



WIRE COLORS	
BL	BLUE
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

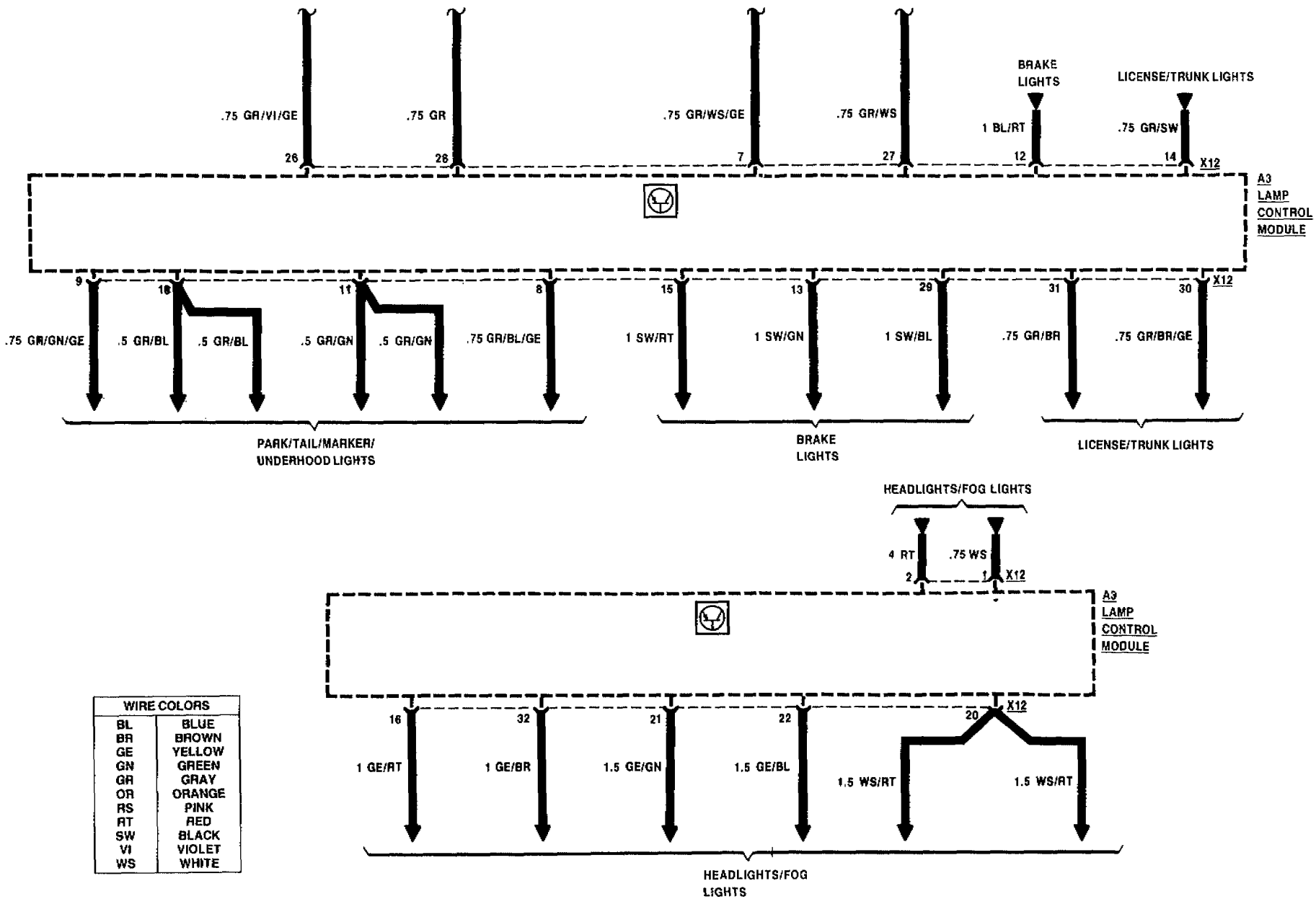
carmanuals.com

LAMP MONITOR (LKM)



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

carplan.com



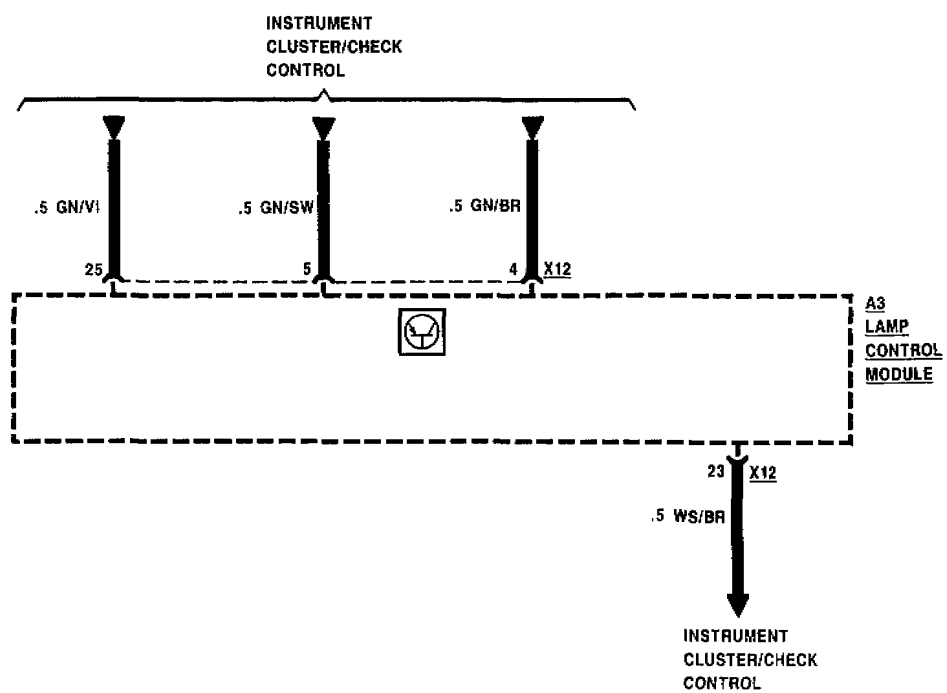
WIRE COLORS	
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BR	BROWN
GE	YELLOW
GN	GREEN
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OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

carmanualsonline.com

LAMP MONITOR (LKM)

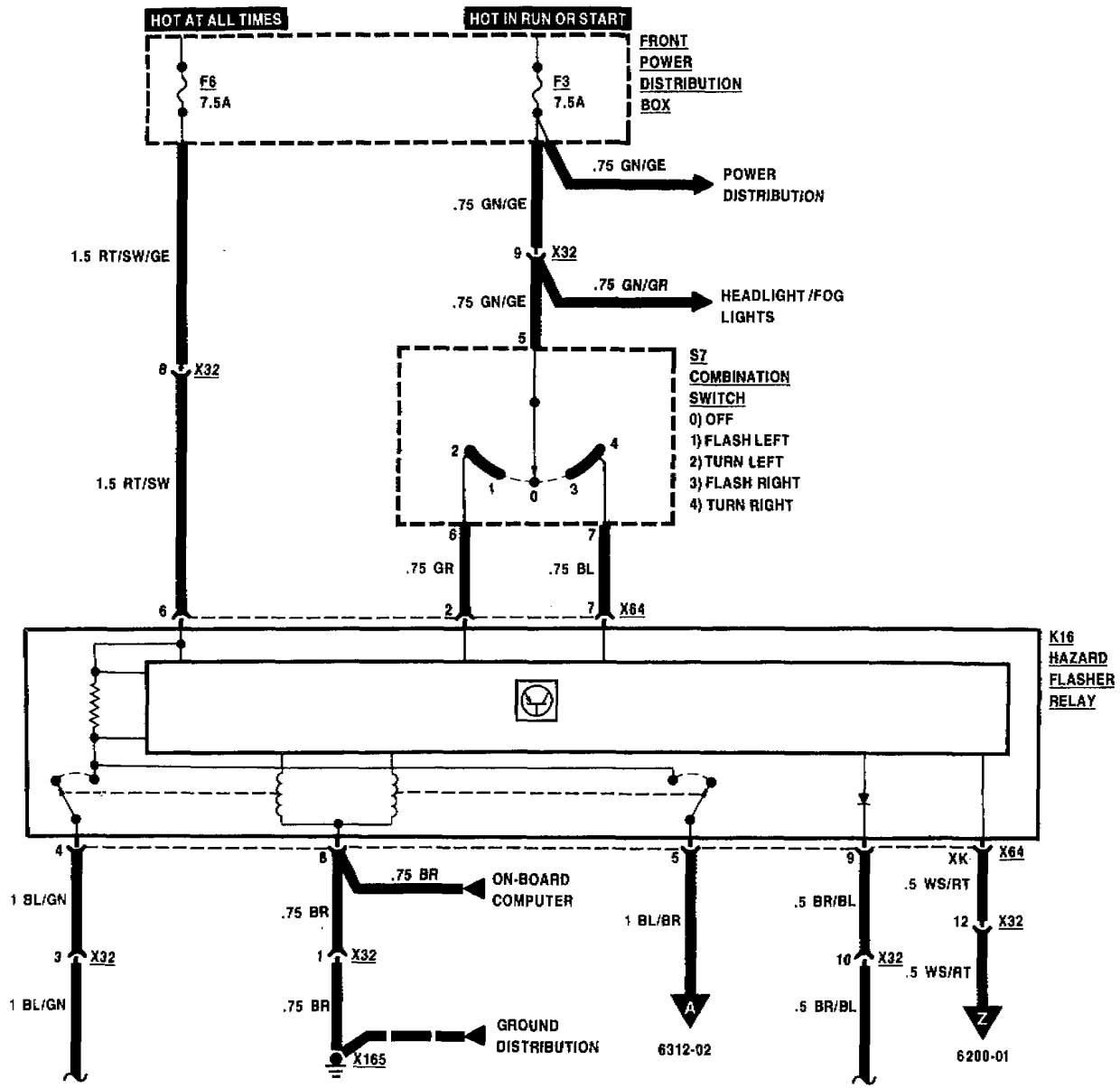
DATA LINK

WIRE COLORS	
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GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE



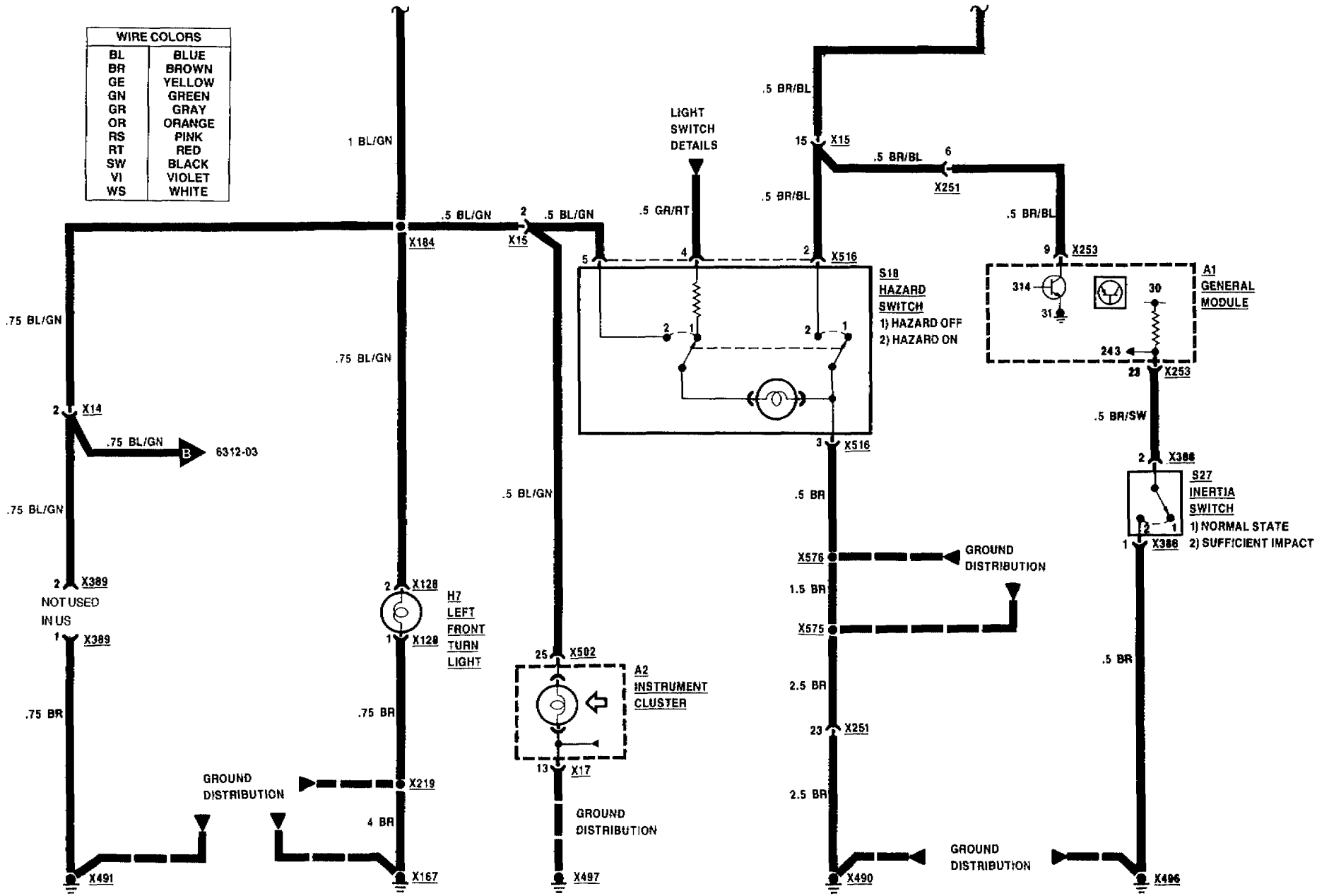
cardiagn.com

TURN/HAZARD LIGHTS



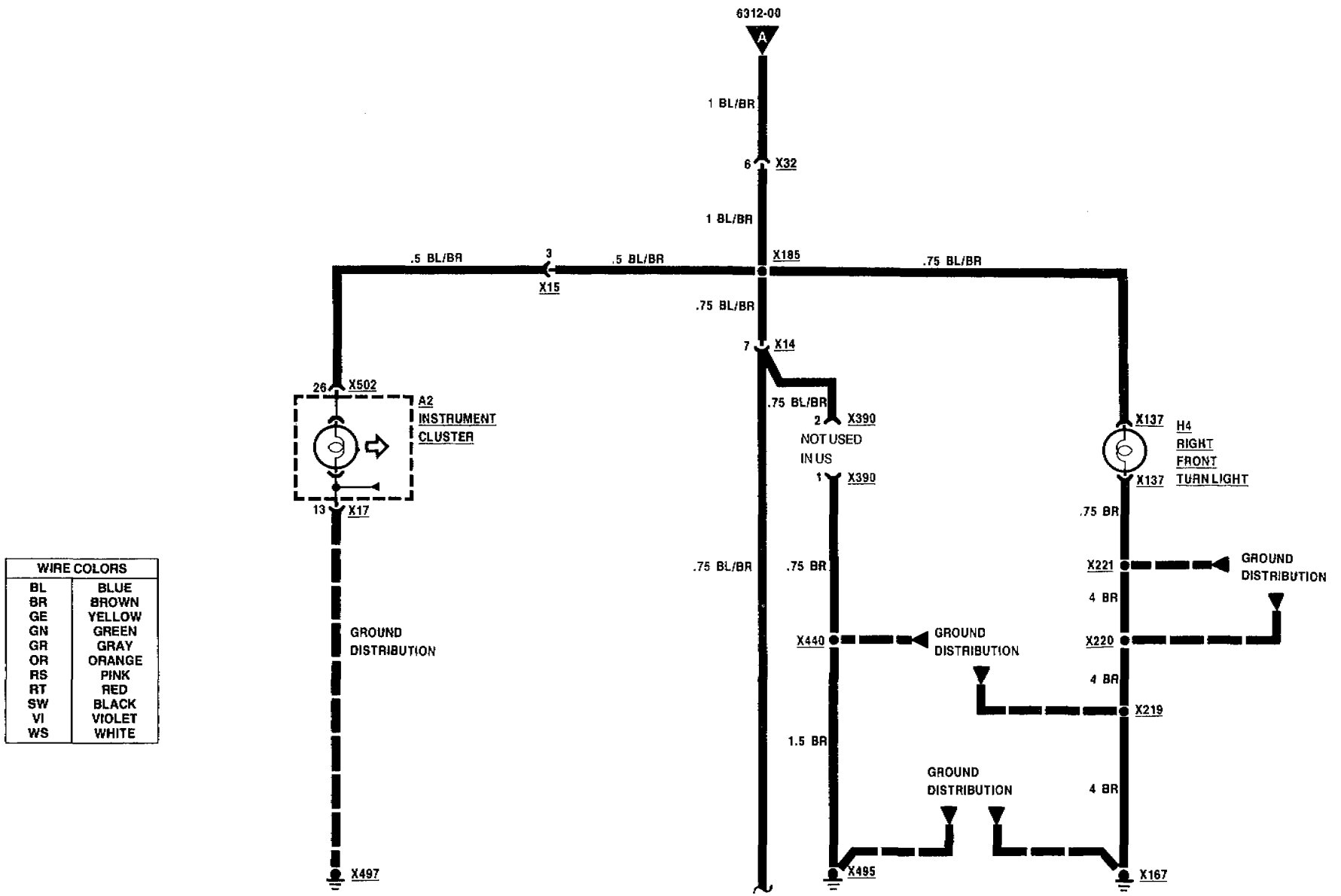
WIRE COLORS	
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OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com



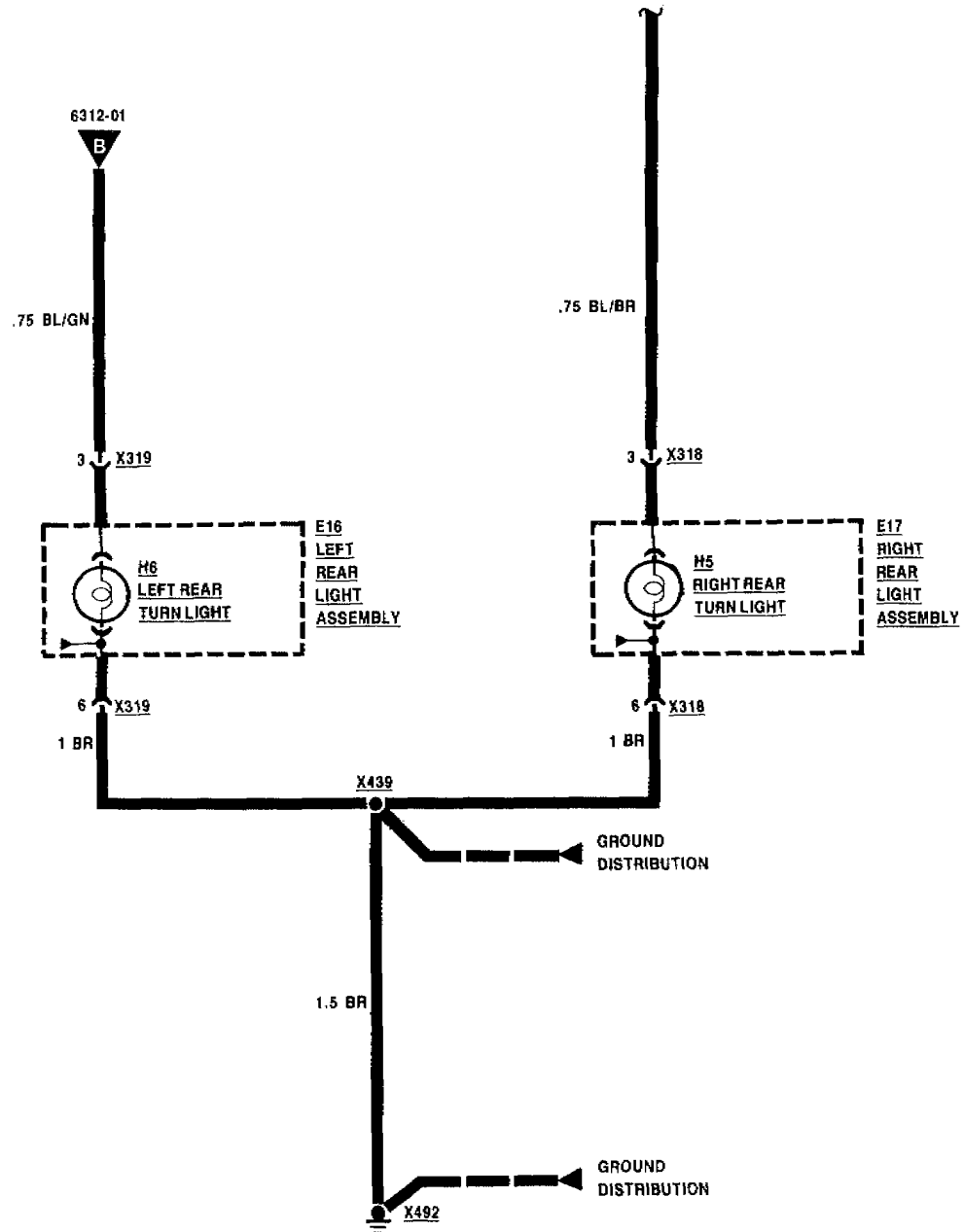
cardiagn.com

TURN/HAZARD LIGHTS



WIRE COLORS	
BL	BLUE
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

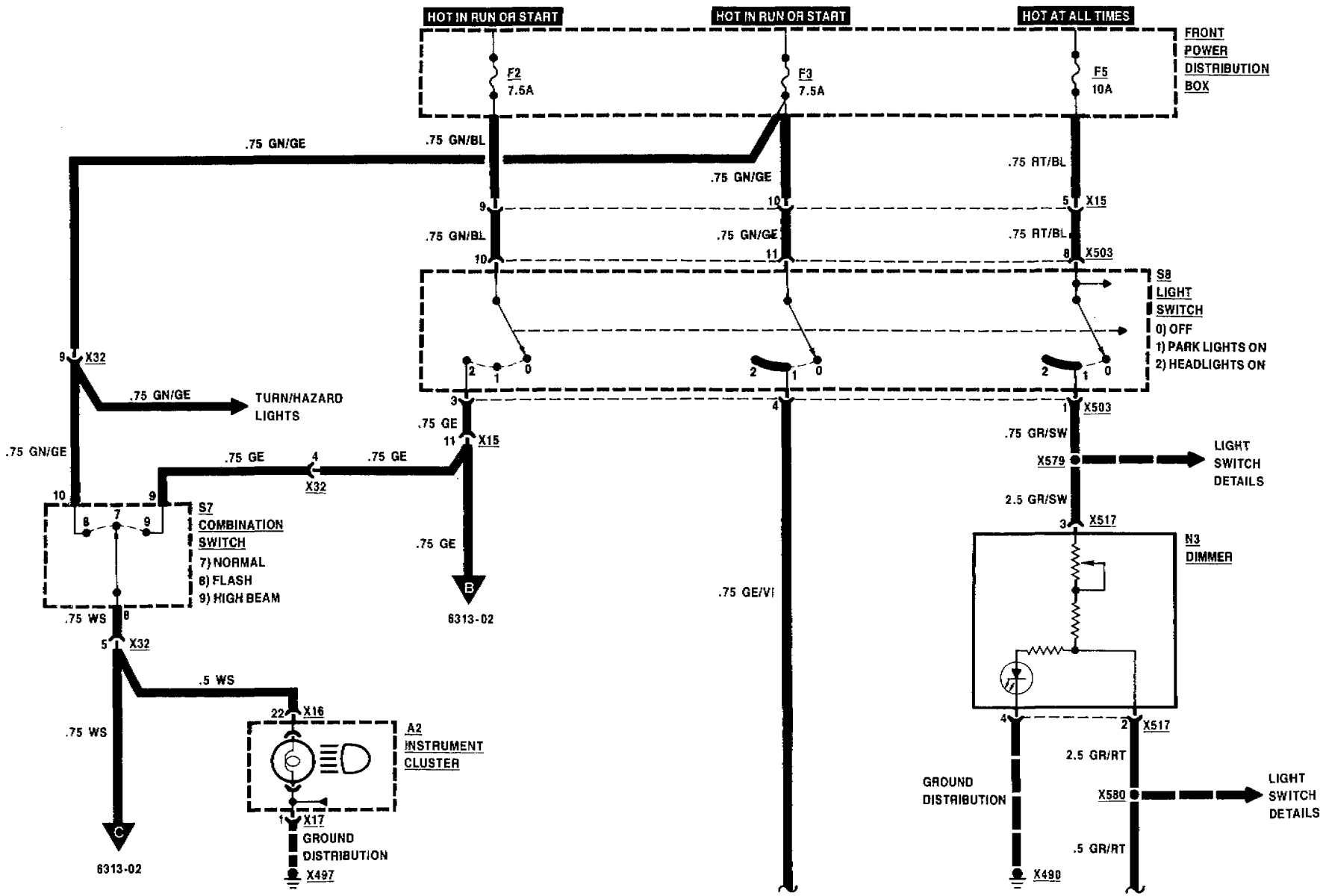
cardiagn.com



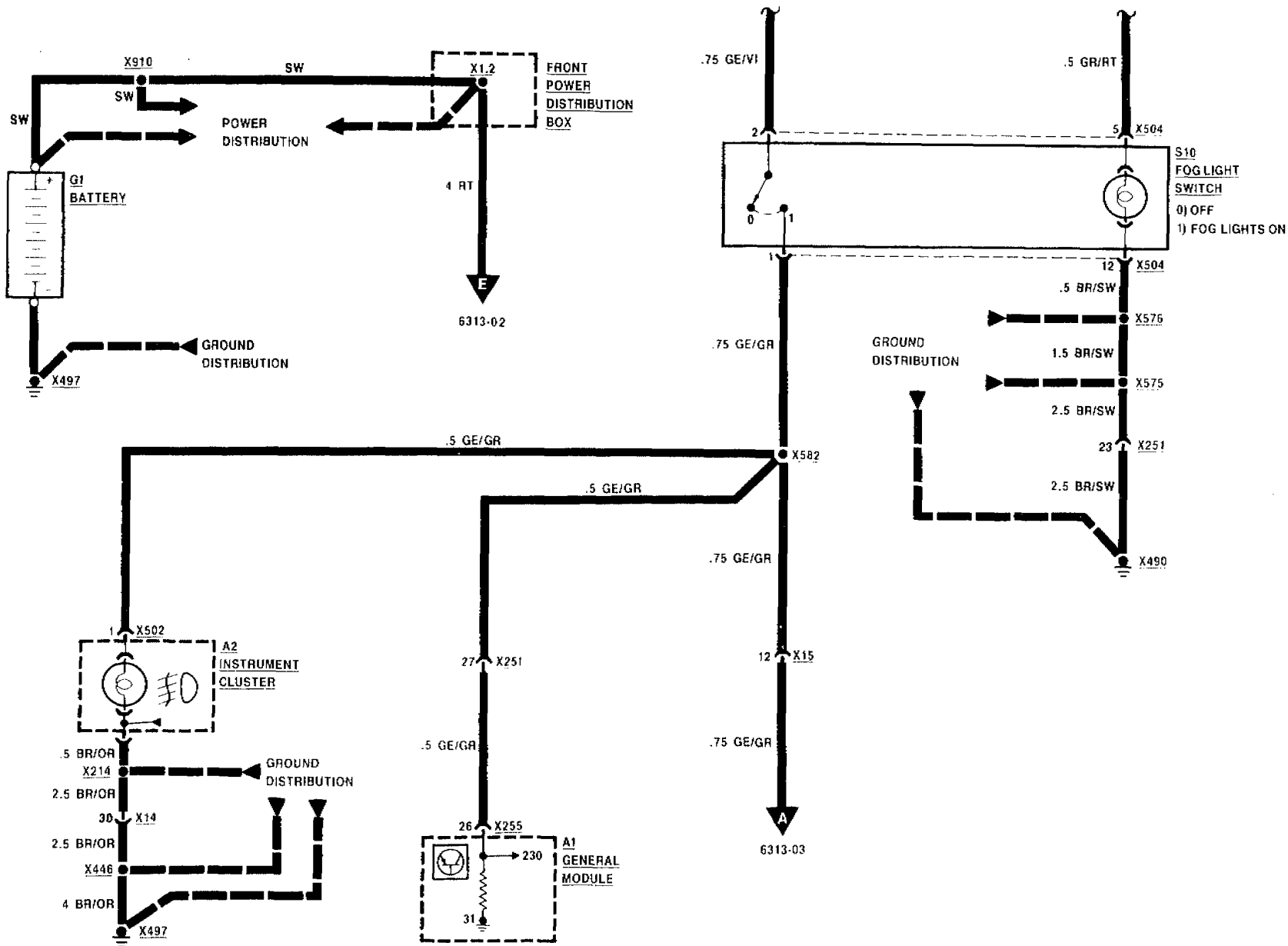
WIRE COLORS	
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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HEADLIGHTS/FOG LIGHTS



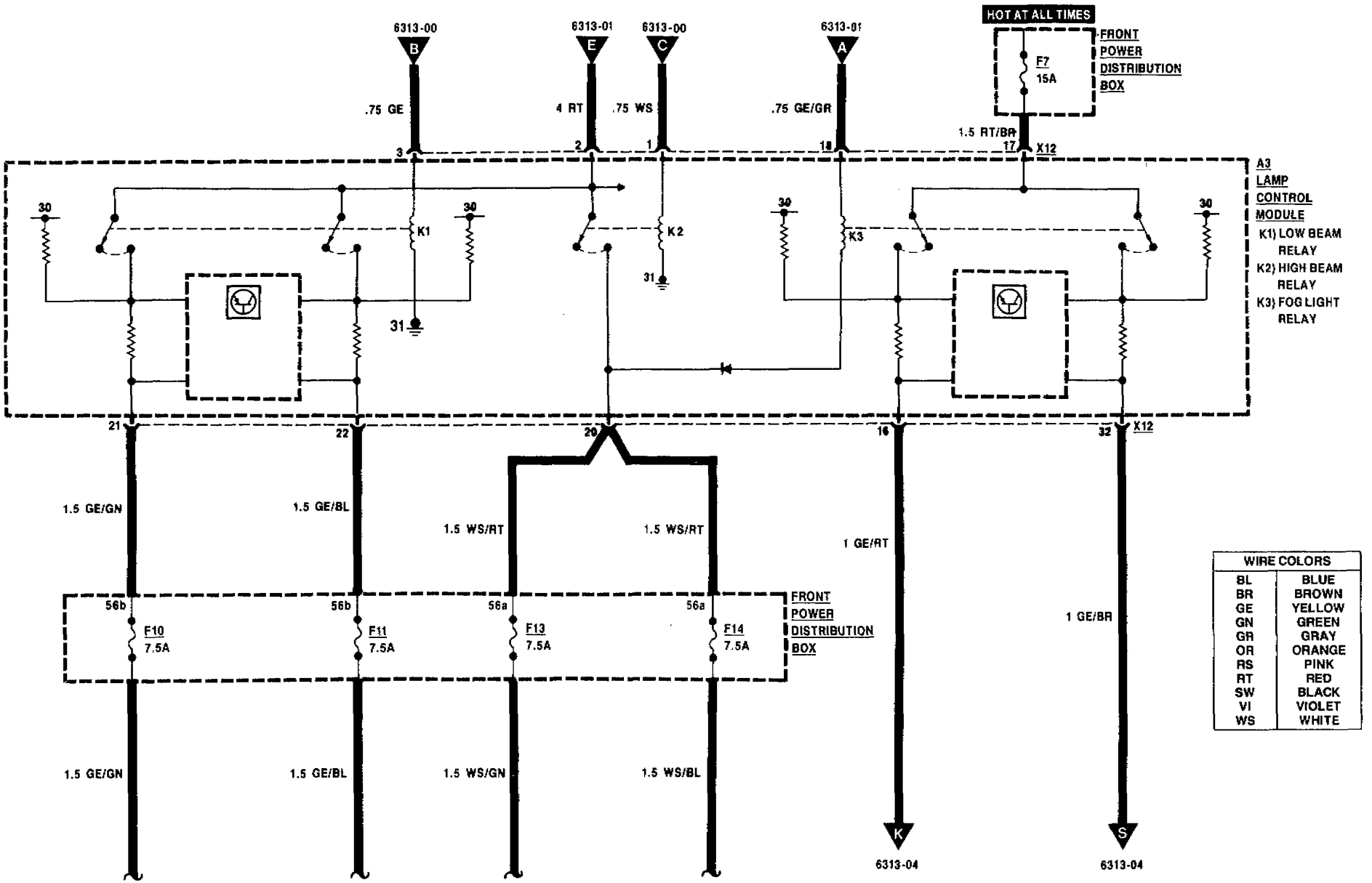
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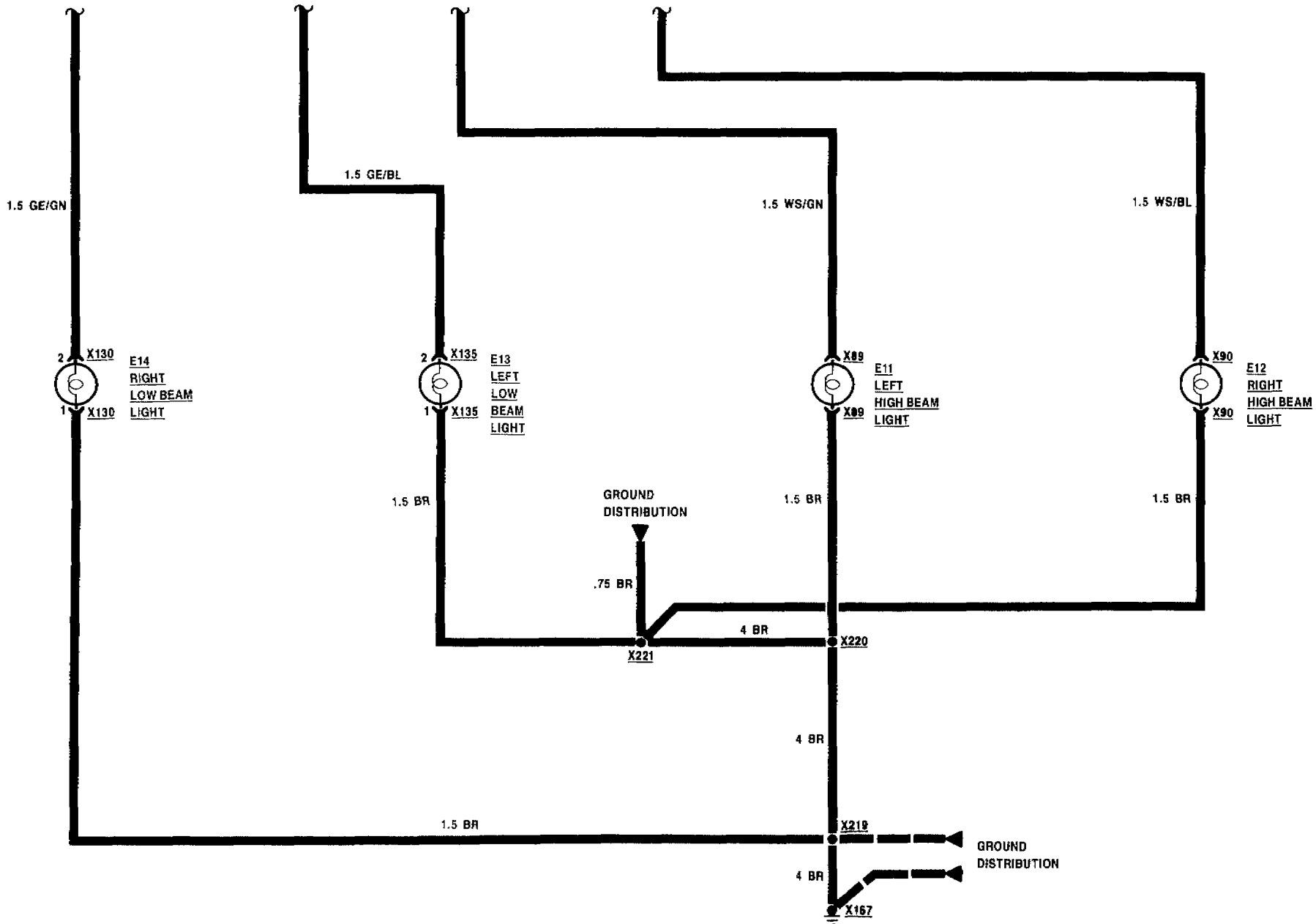
HEADLIGHTS/FOG LIGHTS

LOW BEAM AND HIGH BEAM

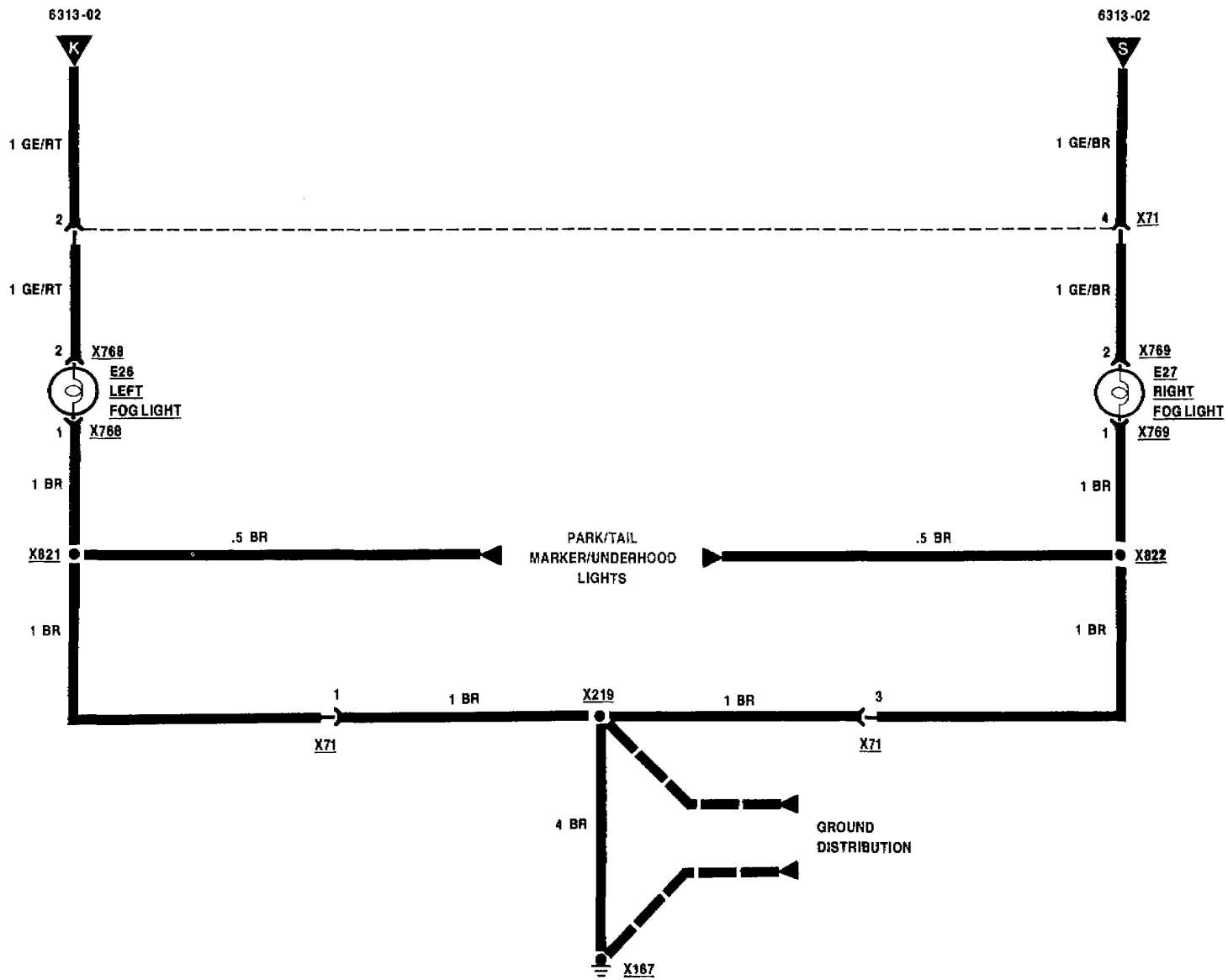


WIRE COLORS	
BL	BLUE
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GE	YELLOW
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GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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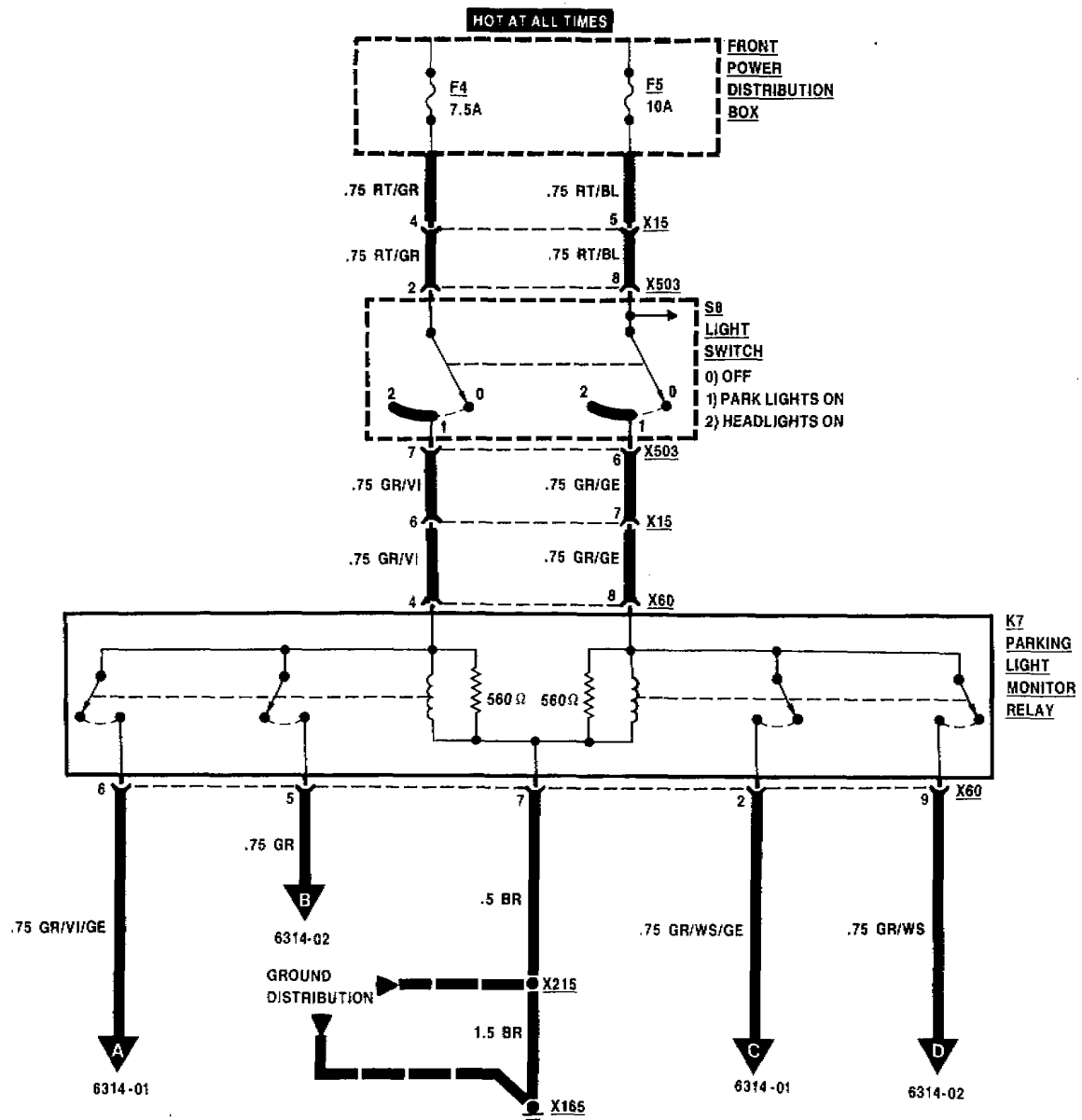

1.5 GE/GN
1.5 GE/BL
1.5 WS/GN
1.5 WS/BL
2
X130
E14
RIGHT
LOW BEAM
LIGHT
1
X130
2
X135
E13
LEFT
LOW
BEAM
LIGHT
1
X135
X89
E11
LEFT
HIGH BEAM
LIGHT
X89
X90
E12
RIGHT
HIGH BEAM
LIGHT
X90
1.5 BR
GROUND
DISTRIBUTION
1.5 BR
1.5 BR
.75 BR
4 BR
X221
X220
4 BR
1.5 BR
X219
GROUND
DISTRIBUTION
4 BR
X167

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PARK/TAIL/MARKER/UNDERHOOD LIGHTS

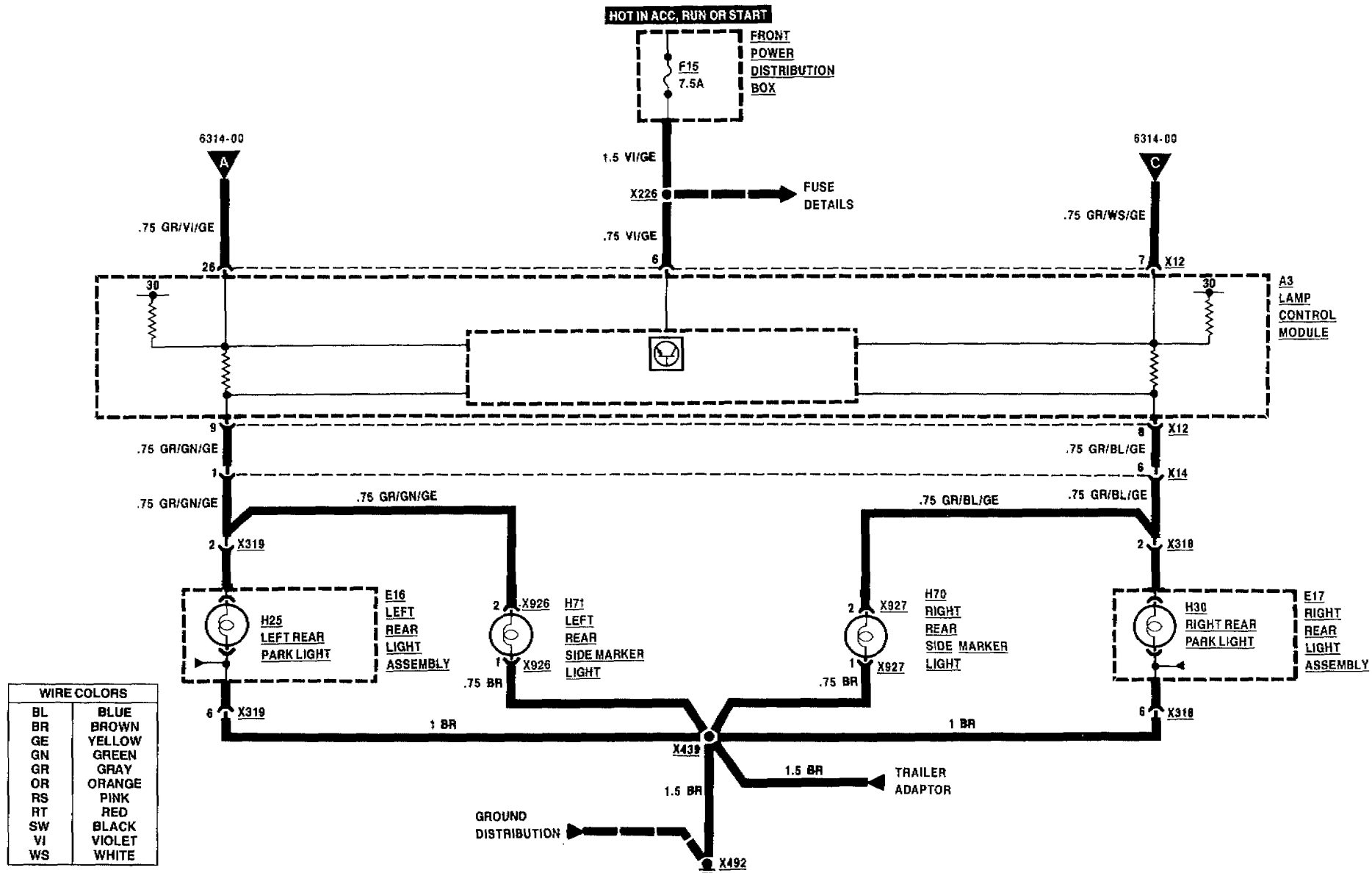


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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PARK/TAIL/MARKER/UNDERHOOD LIGHTS

TAIL/REAR MARKER LIGHTS

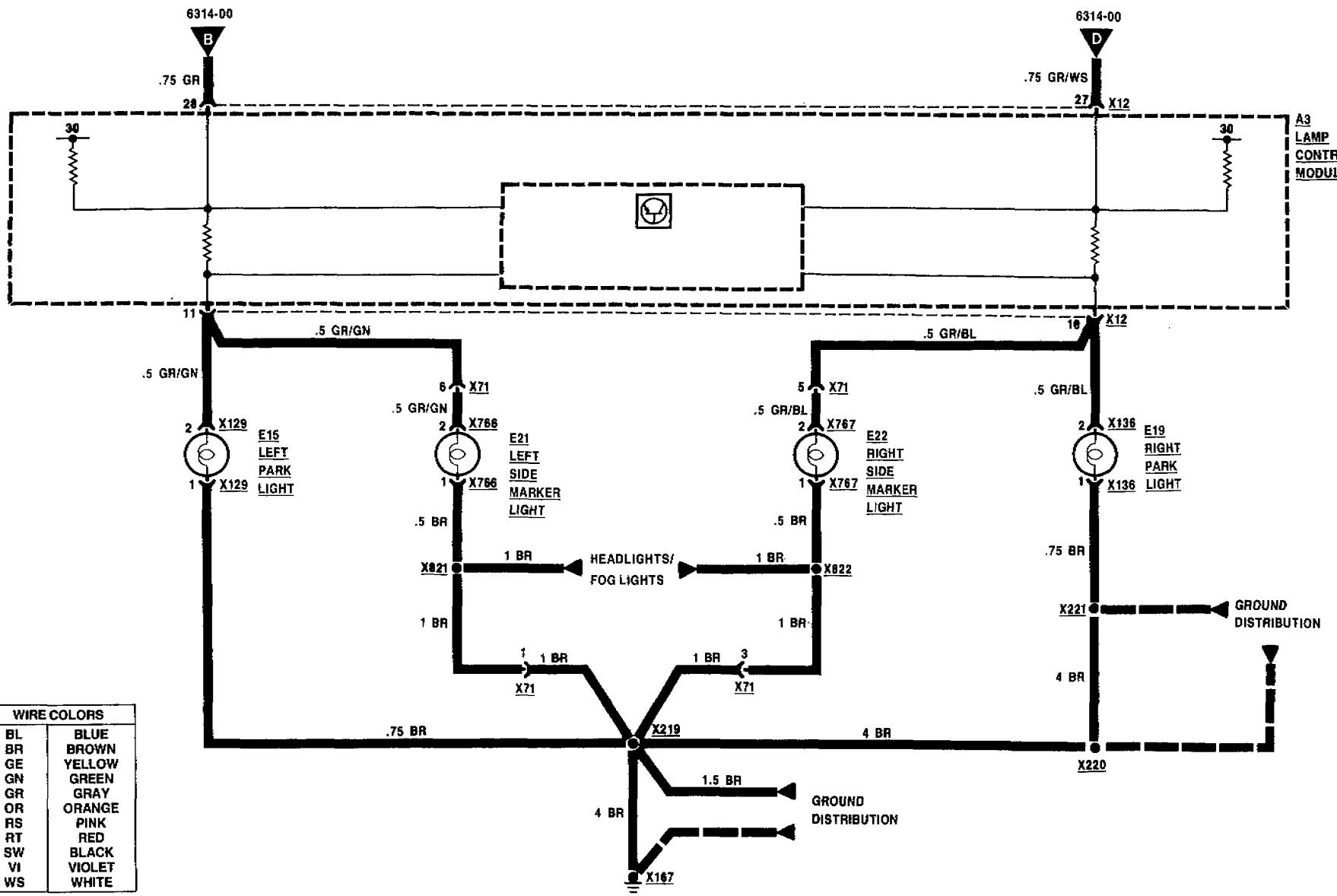


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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PARK/FRONT MARKER LIGHTS

PARK/FRONT MARKER LIGHTS

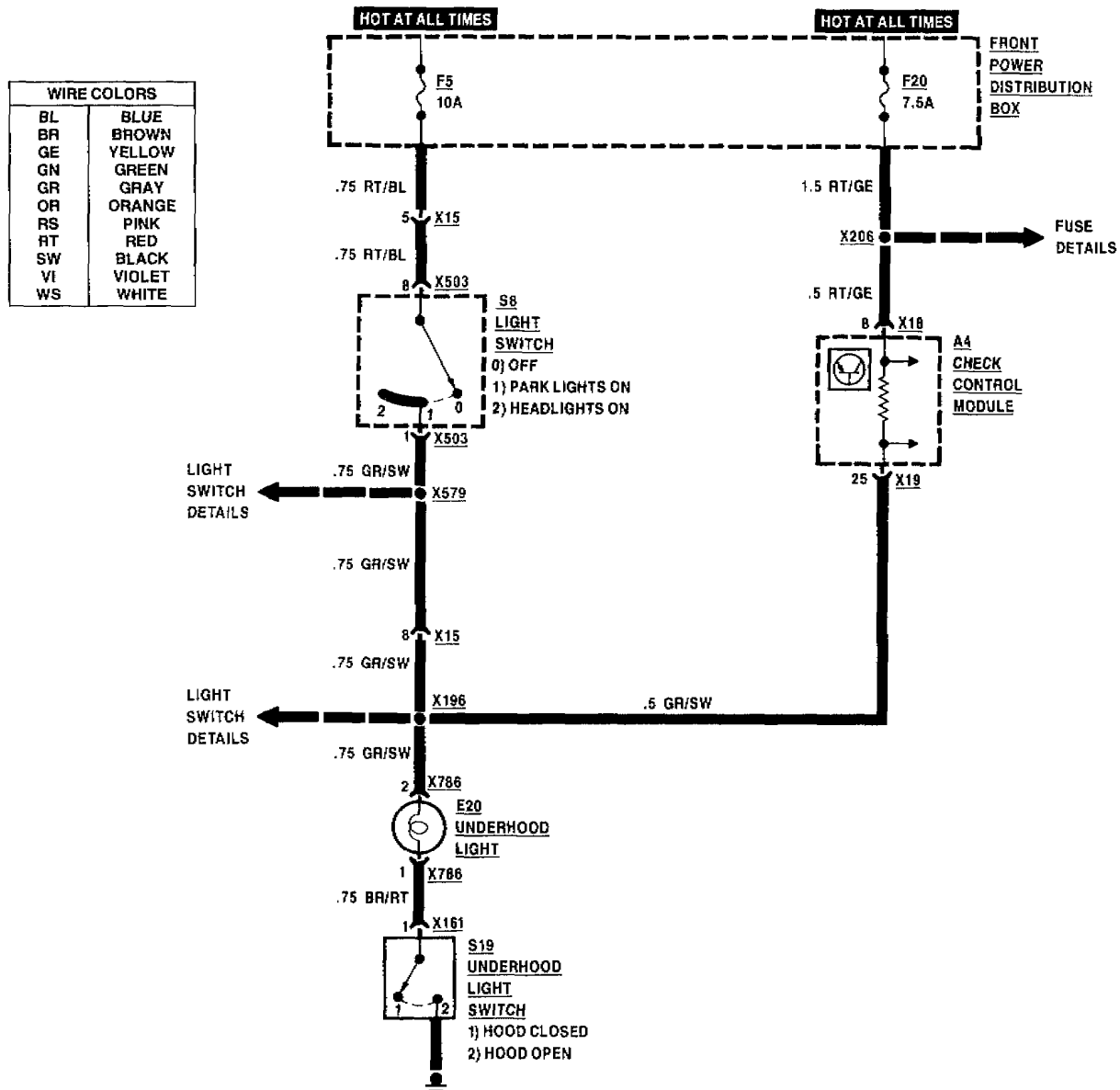


WIRE COLORS	
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GE	YELLOW
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GR	GRAY
OR	ORANGE
RS	PINK
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SW	BLACK
VI	VIOLET
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cardiagn.com

PARK/TAIL/MARKER/UNDERHOOD LIGHTS

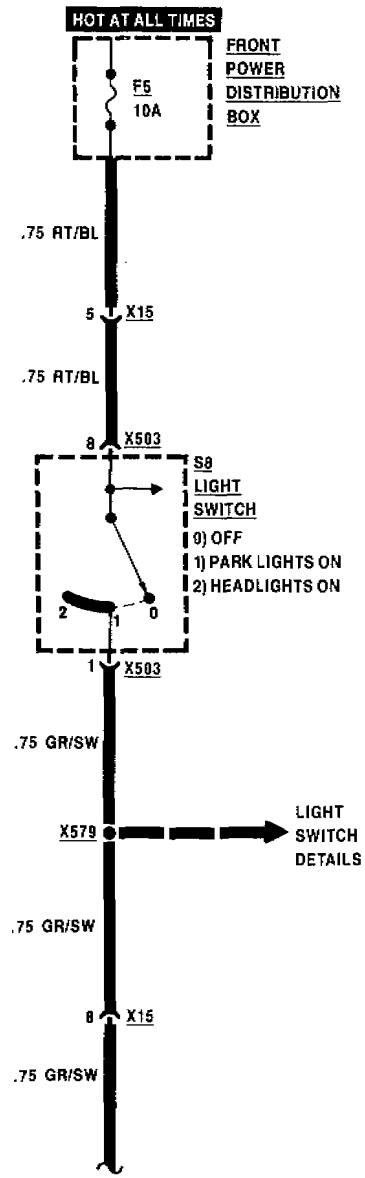
UNDERHOOD LIGHT



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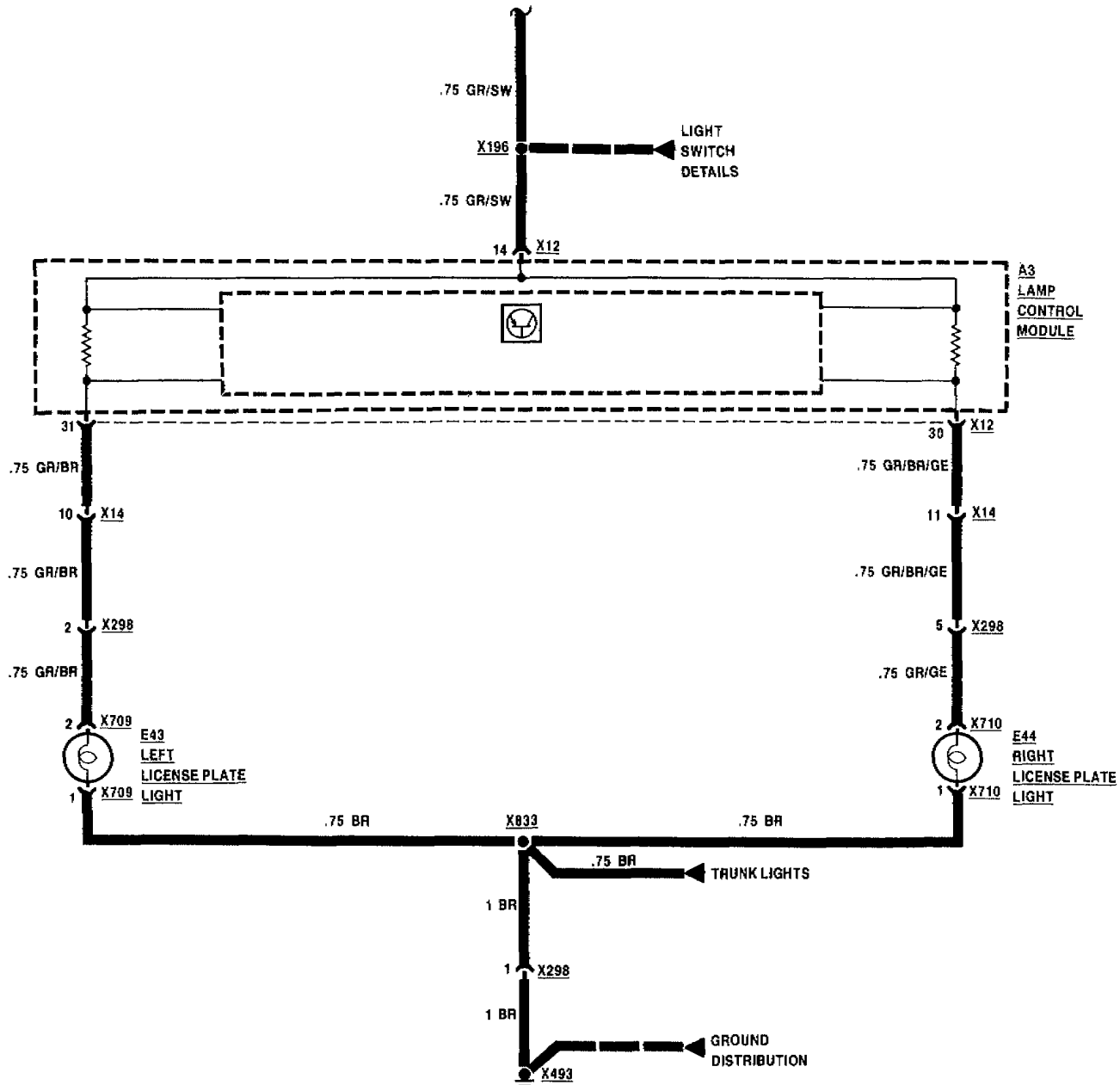
LICENSE/TRUNK LIGHTS

LICENSE LIGHTS



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

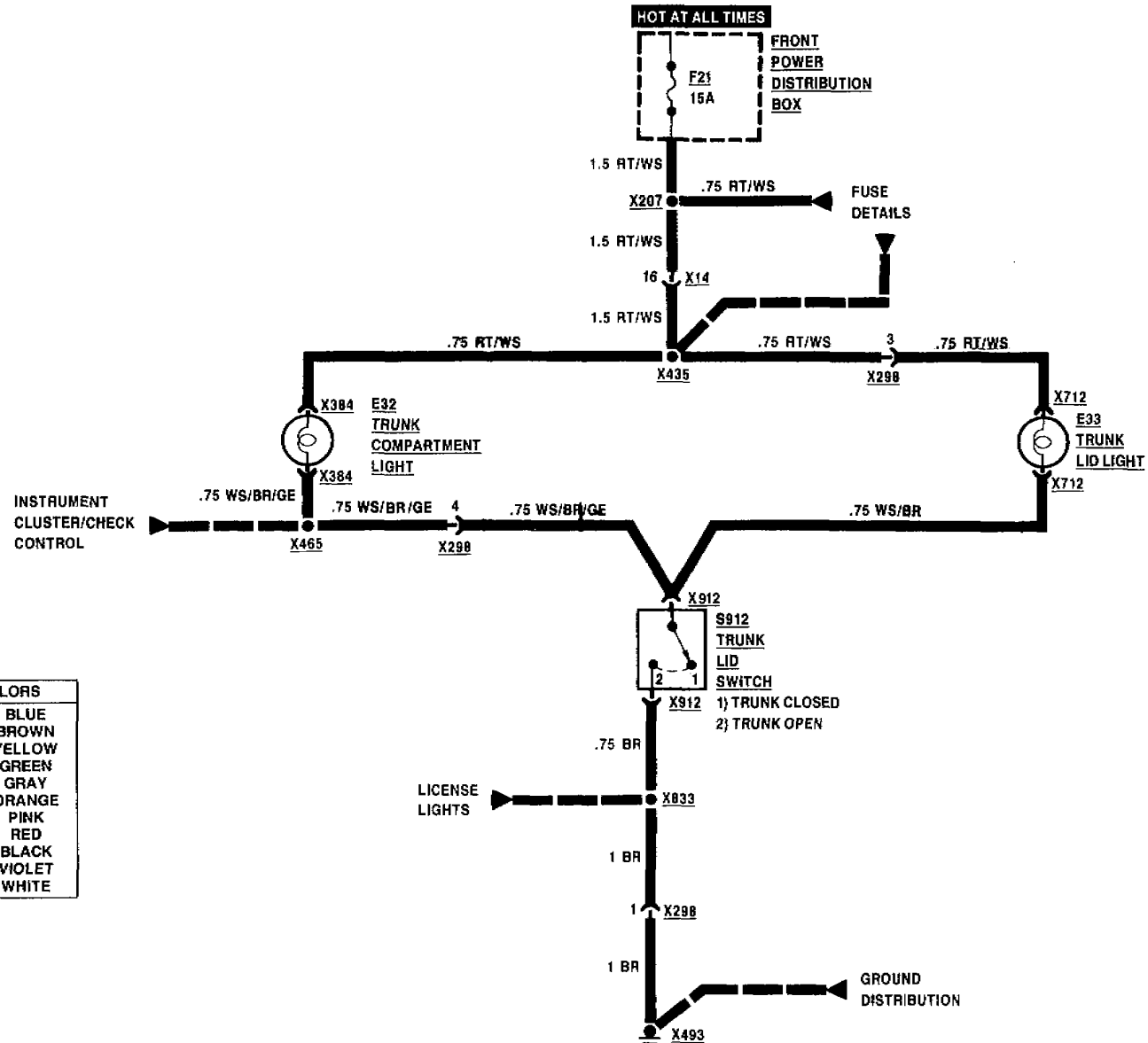
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carmanuals.com

LICENSE/TRUNK LIGHTS

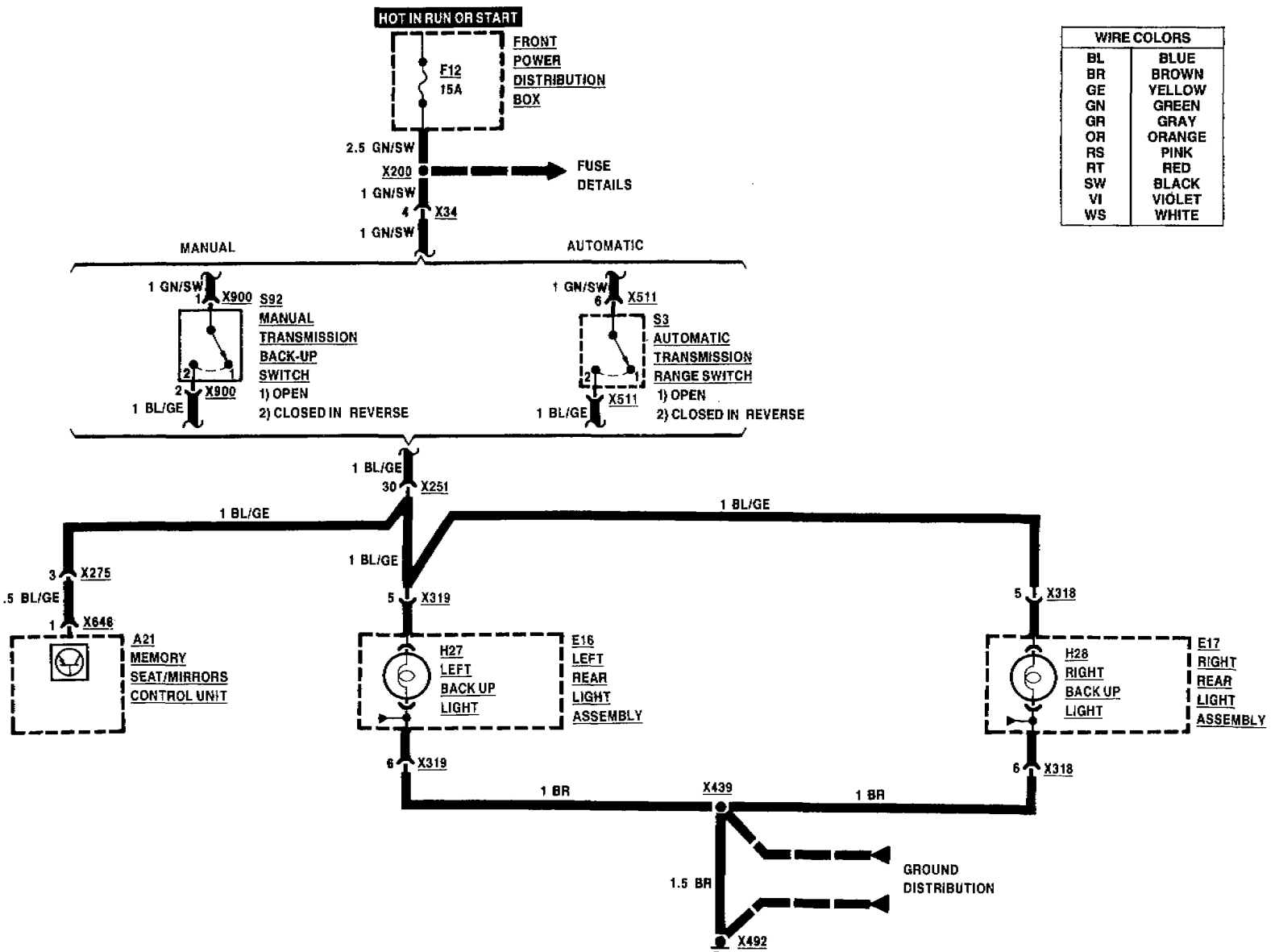
TRUNK LIGHTS



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

cardiagn.com

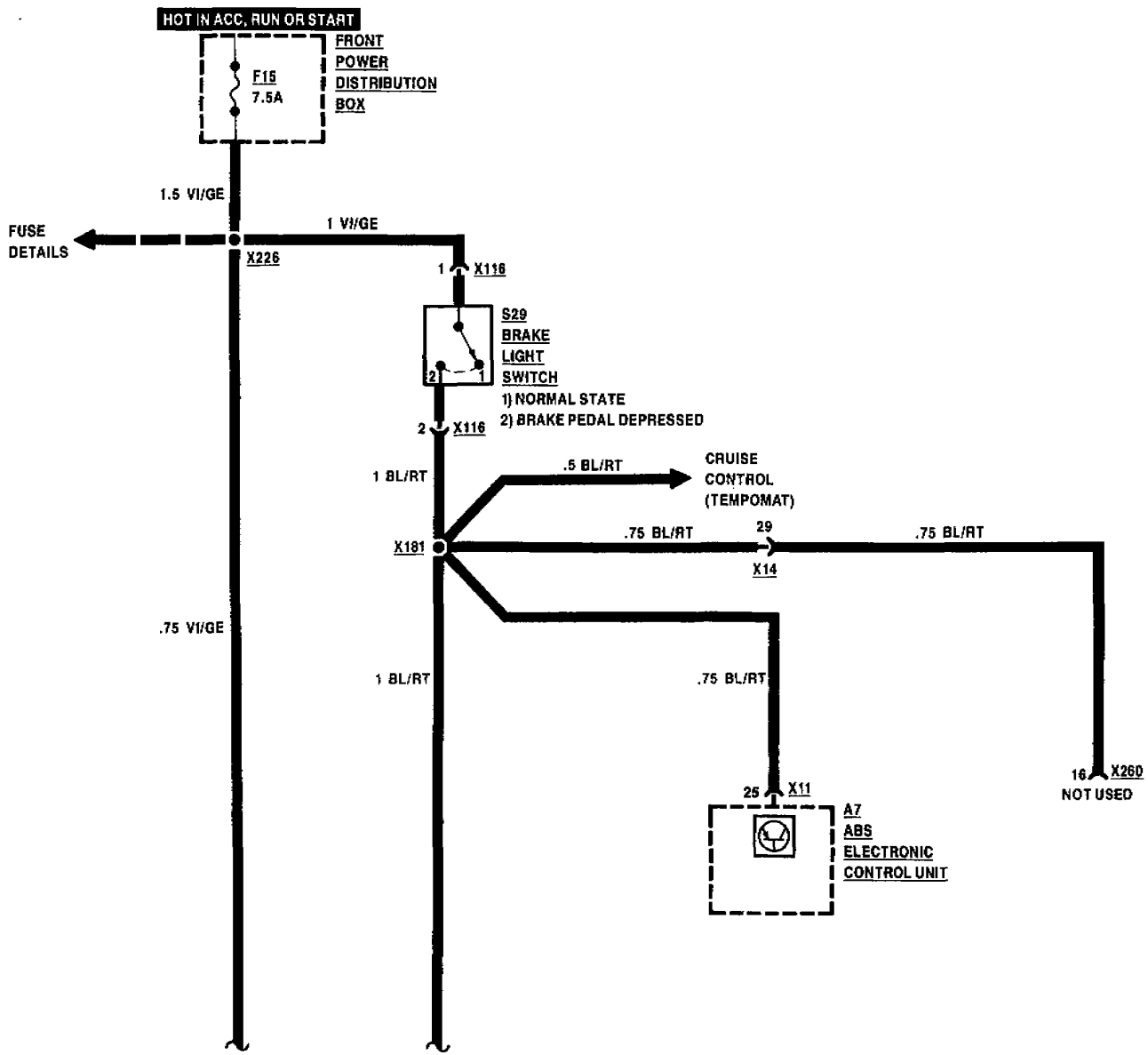
BACK UP LIGHTS



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

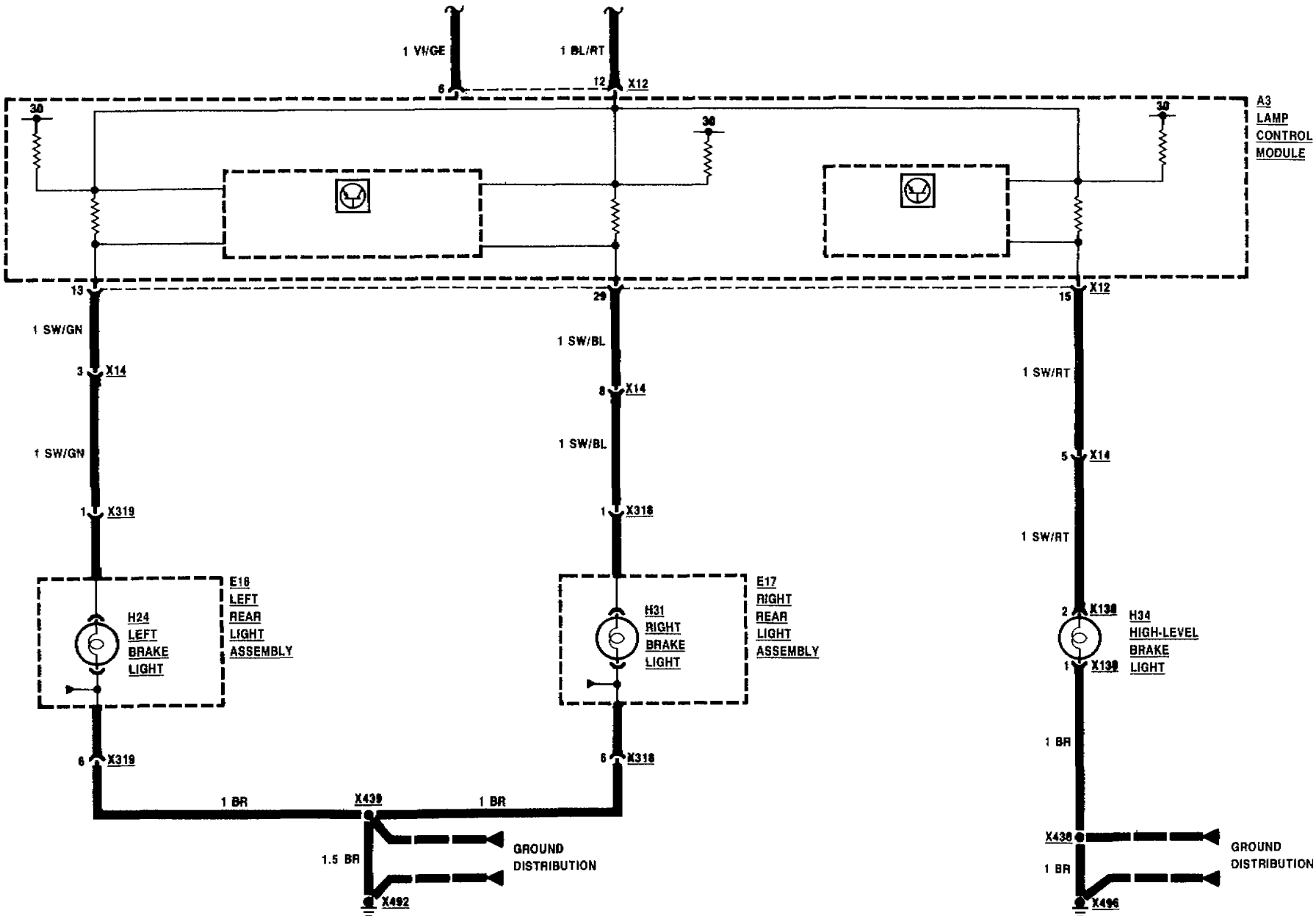
cardiagn.com

BRAKE LIGHTS



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

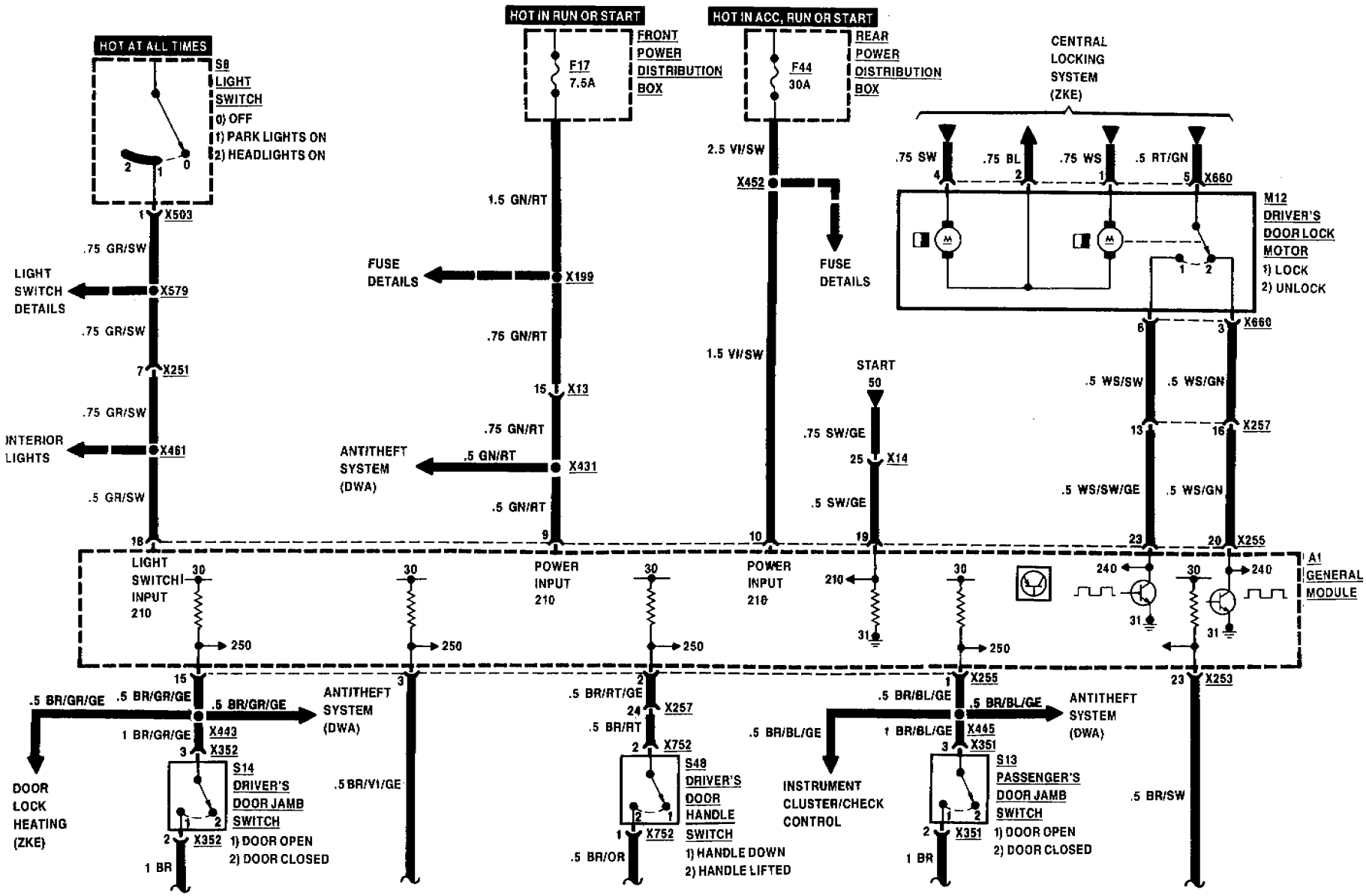
cardiagn.com



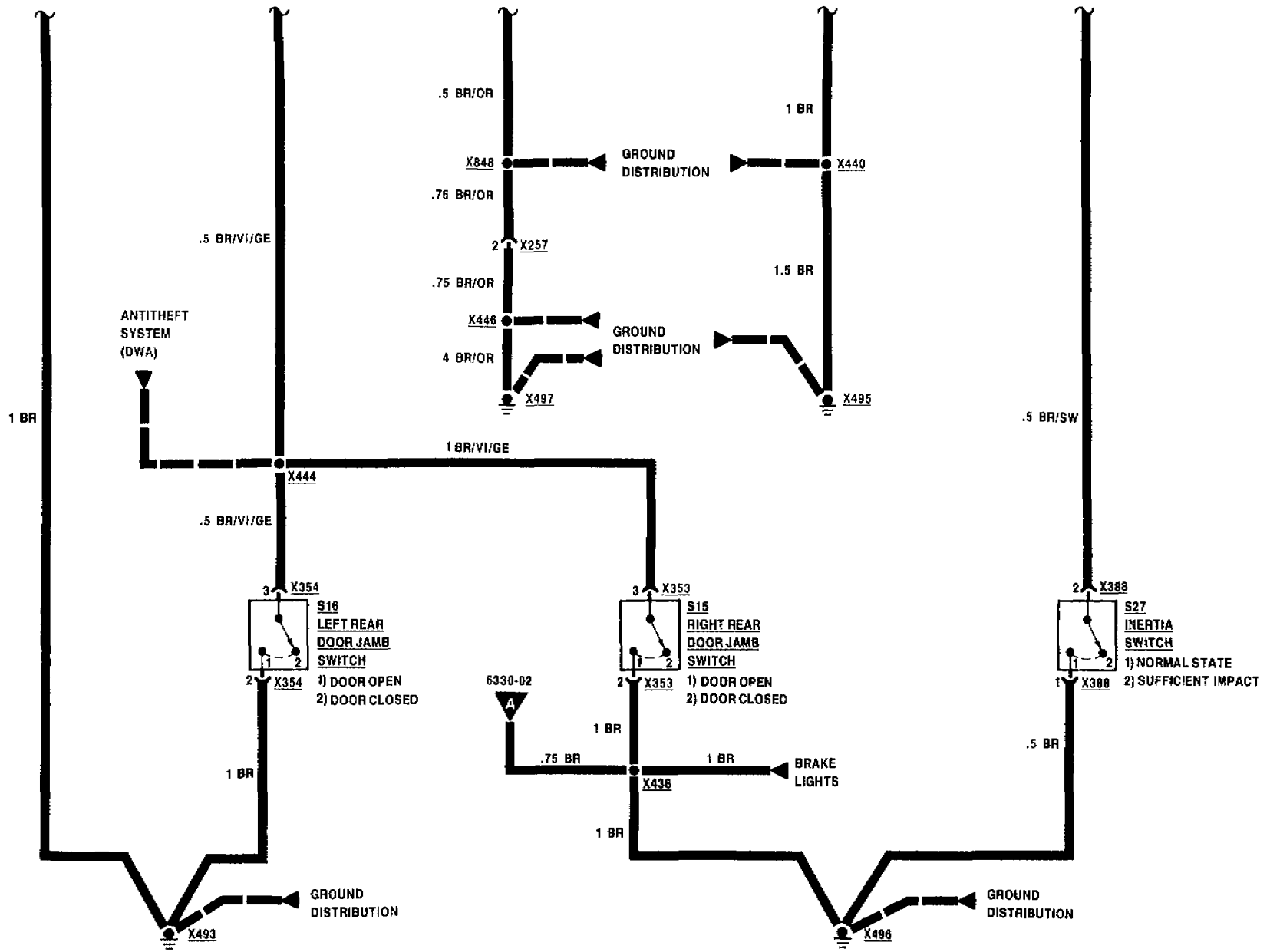
cardiagn.com

INTERIOR LIGHTS (ZKE)

INPUT DETAILS

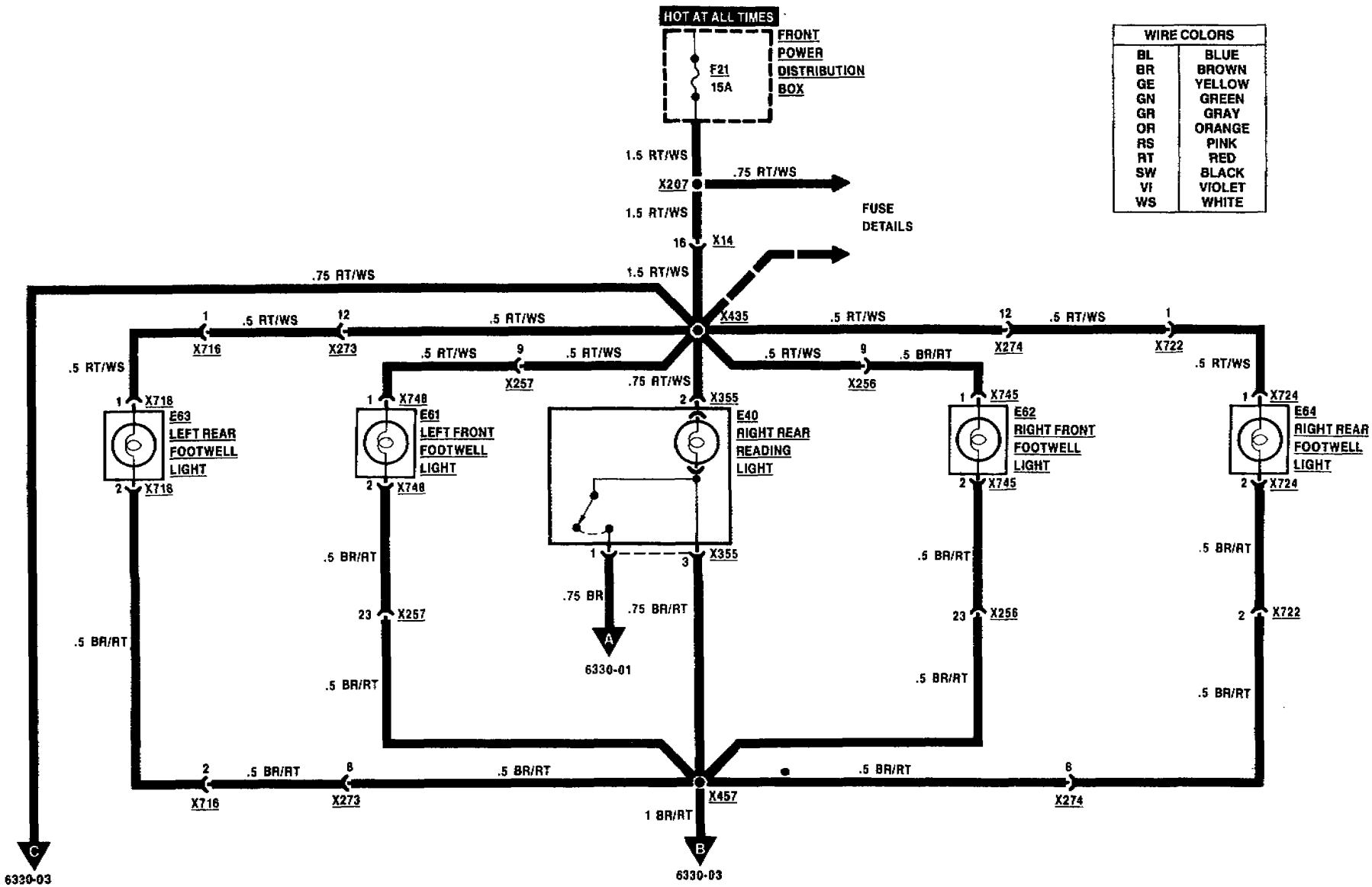


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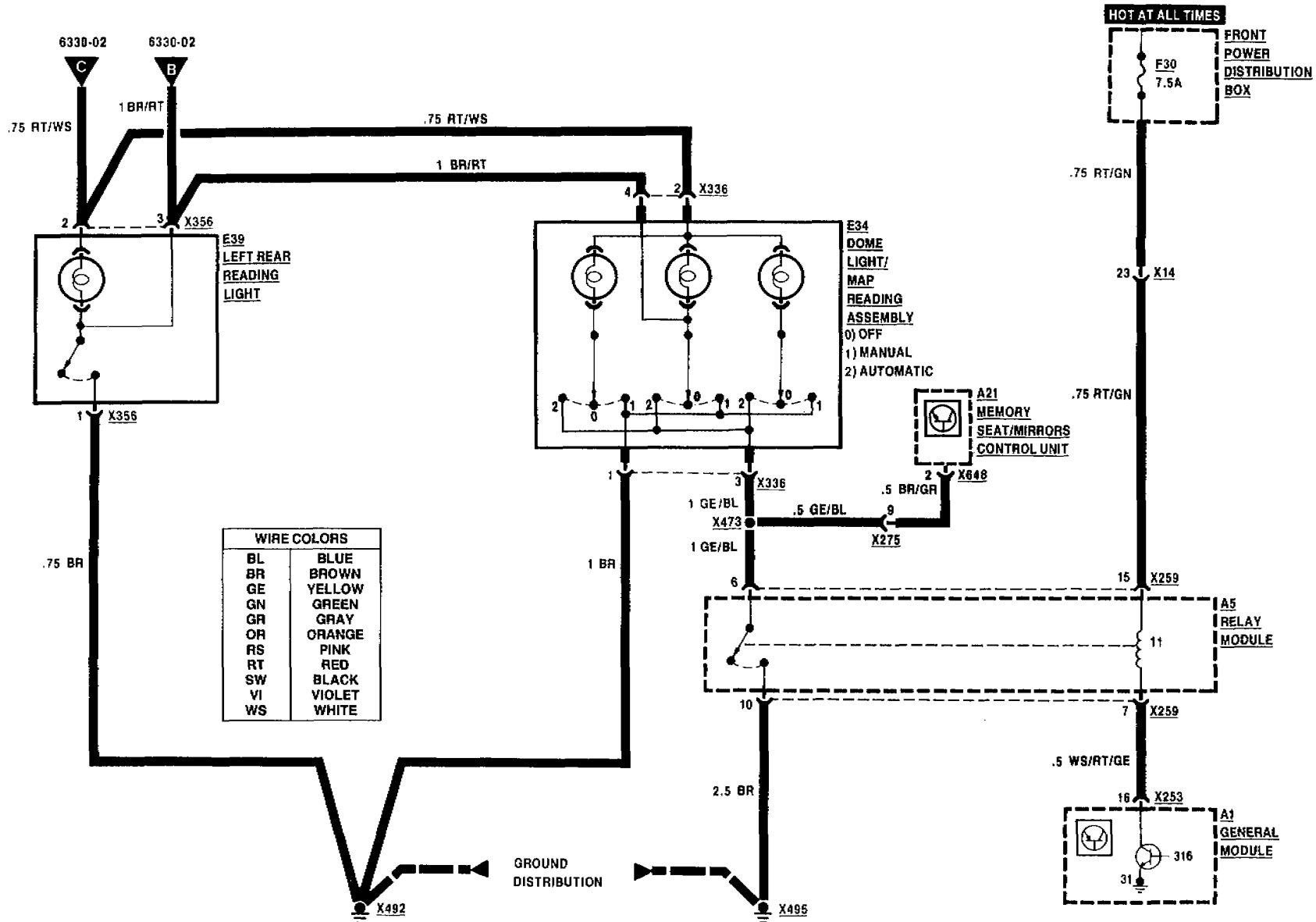
INTERIOR LIGHTS (ZKE)
OUTPUT DETAILS



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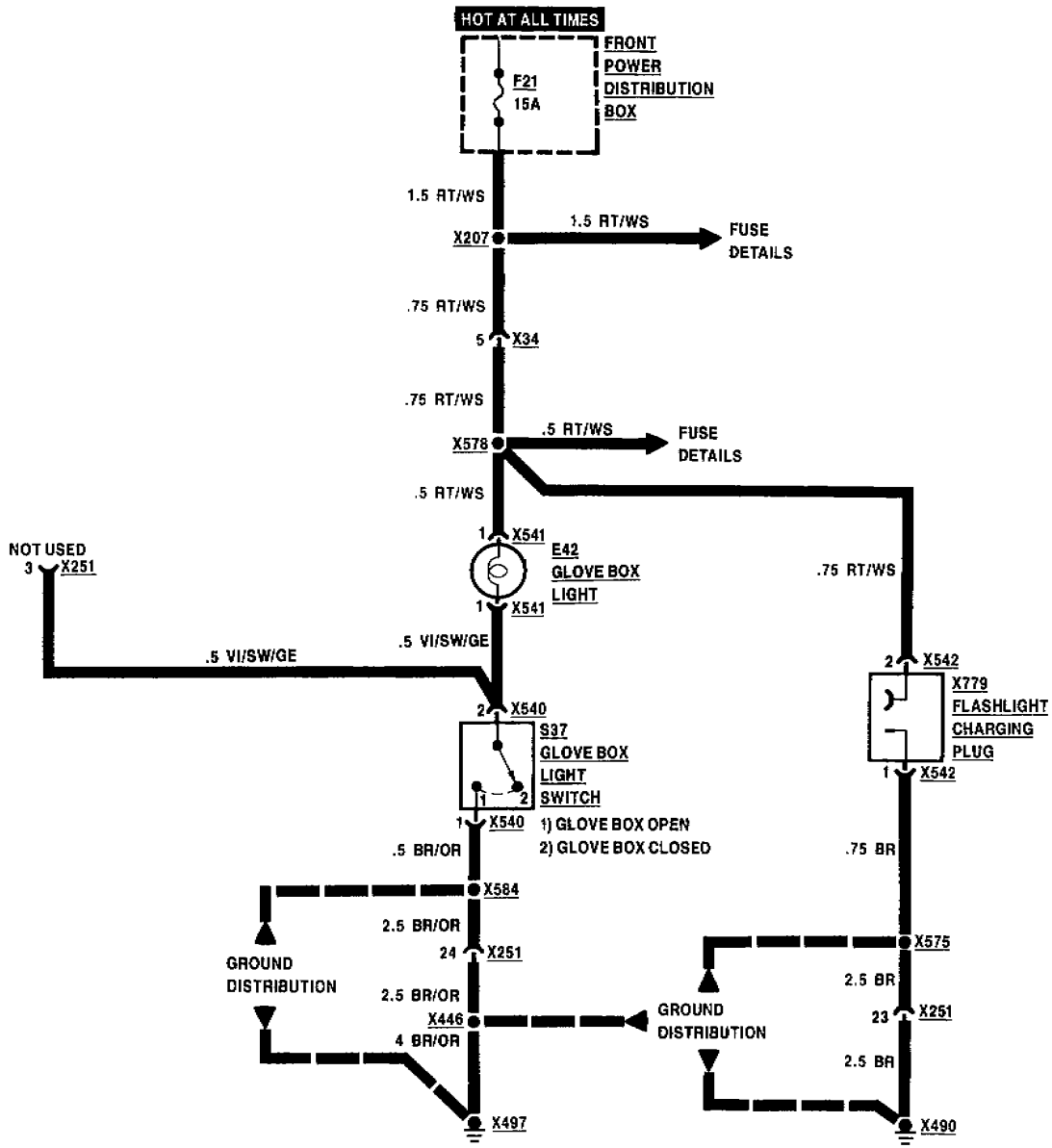
INTERIOR LIGHTS (ZKE)

OUTPUT DETAILS



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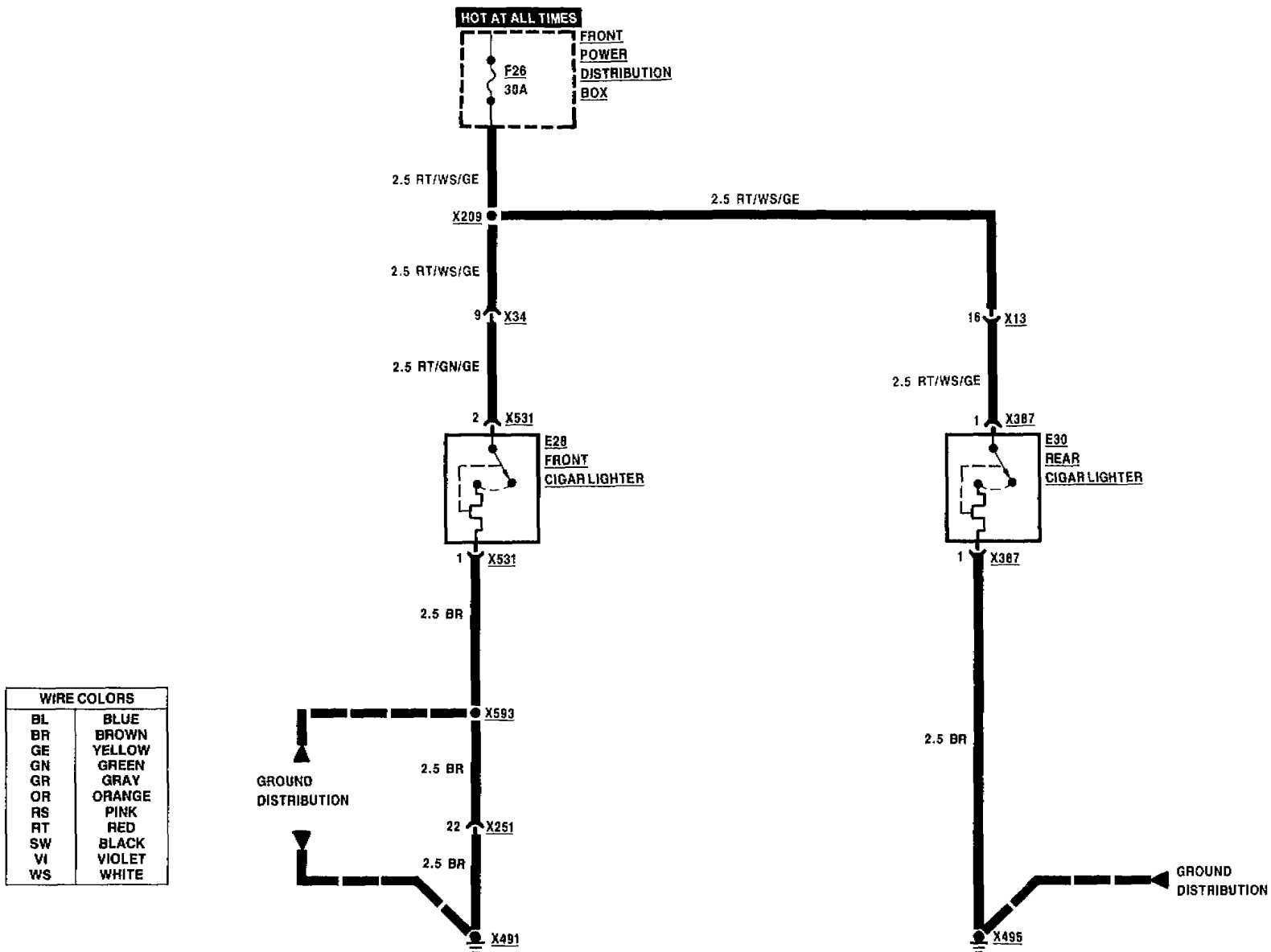
GLOVE BOX LIGHT/CIGAR LIGHTER/ASHTRAY LIGHT/FLASHLIGHT CHARGING PLUG



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

carDiagn.com

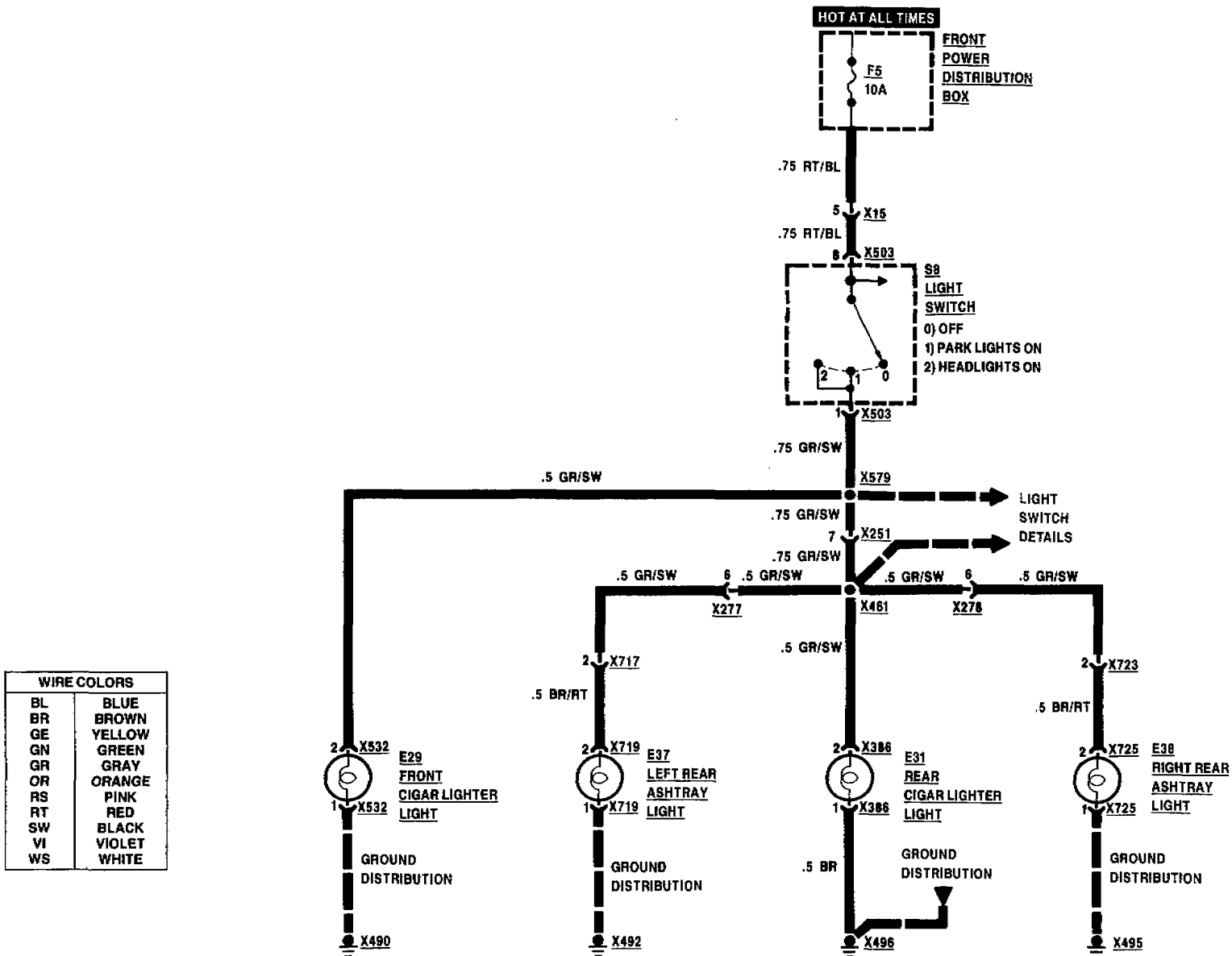
GLOVE BOX LIGHT/CIGAR LIGHTER/ASHTRAY LIGHT/FLASHLIGHT CHARGING PLUG



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

cardiagn.com

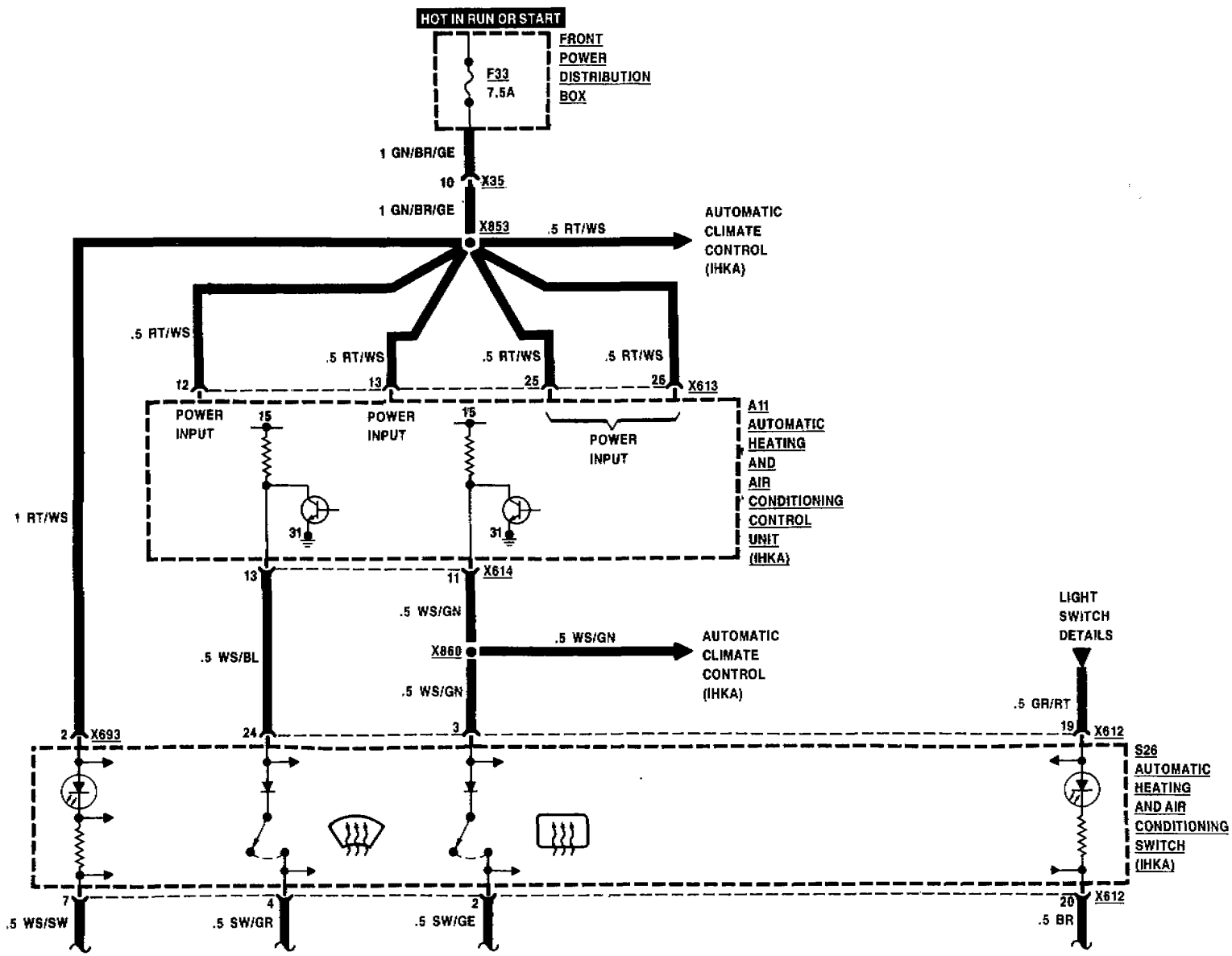
GLOVE BOX LIGHT/CIGAR LIGHTER/ASHTRAY LIGHT/FLASHLIGHT CHARGING PLUG



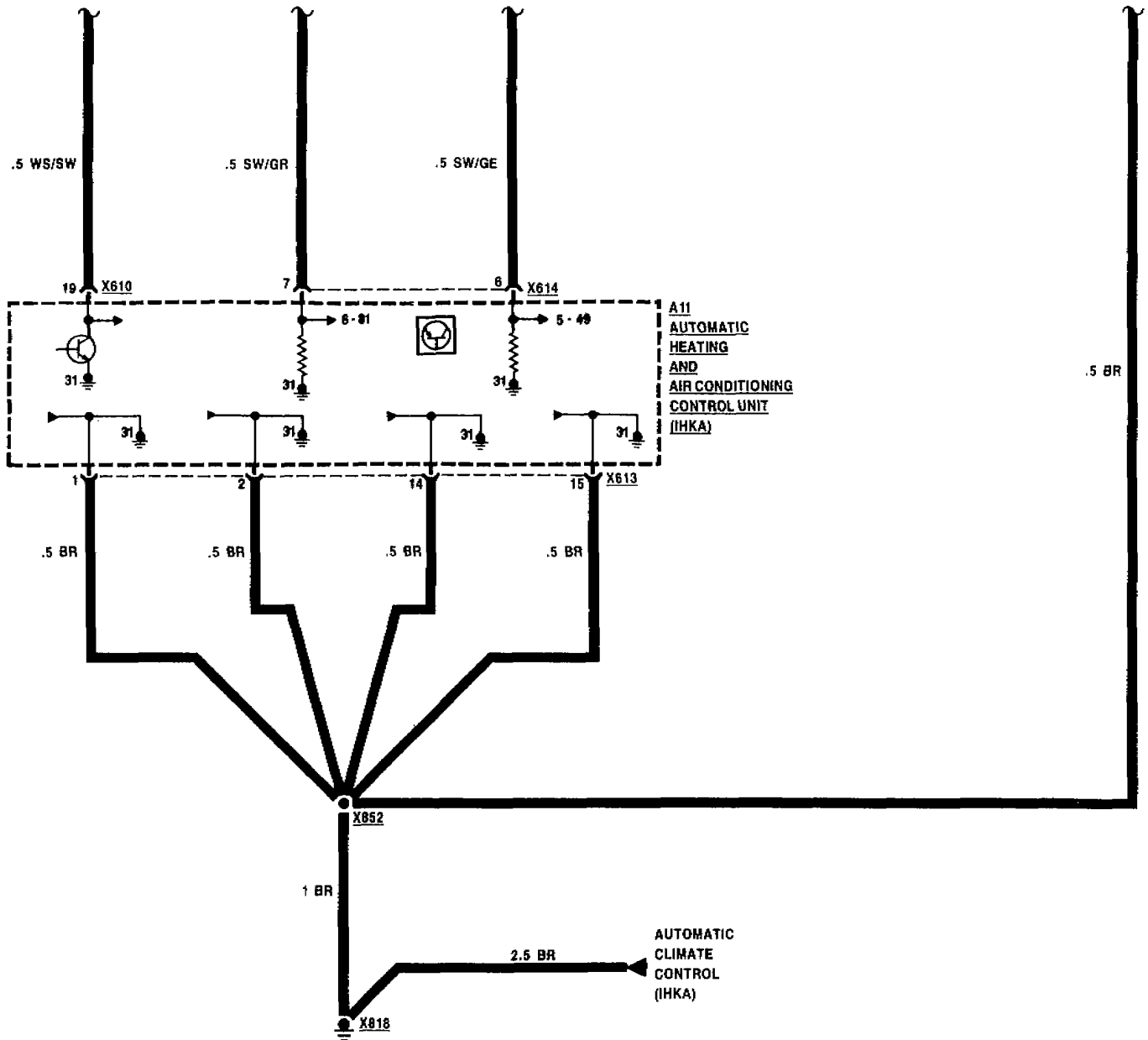
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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REAR WINDOW DEFOGGER
IHKA



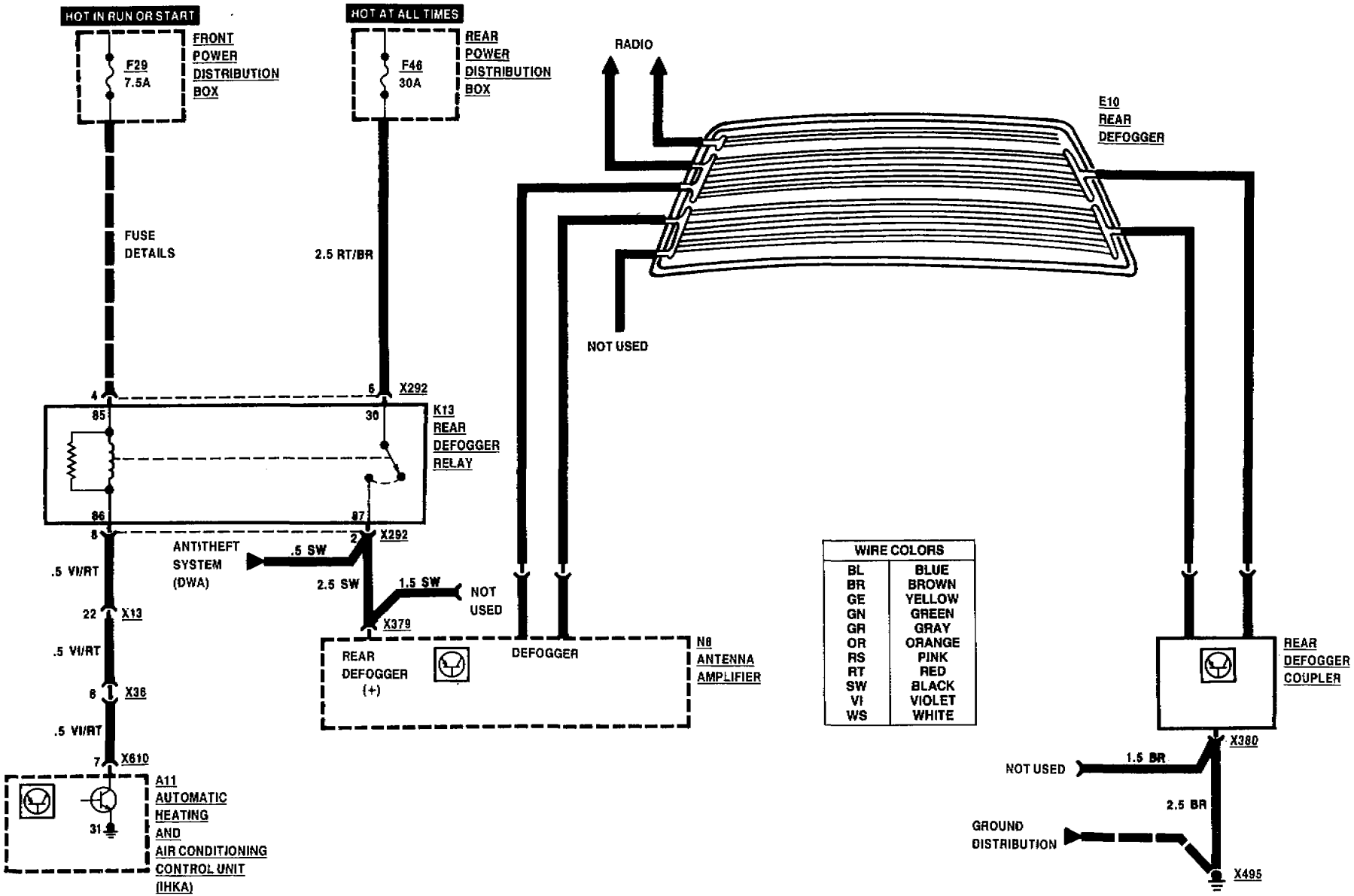
cardiagn.com



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

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REAR WINDOW DEFOGGER
IHKA



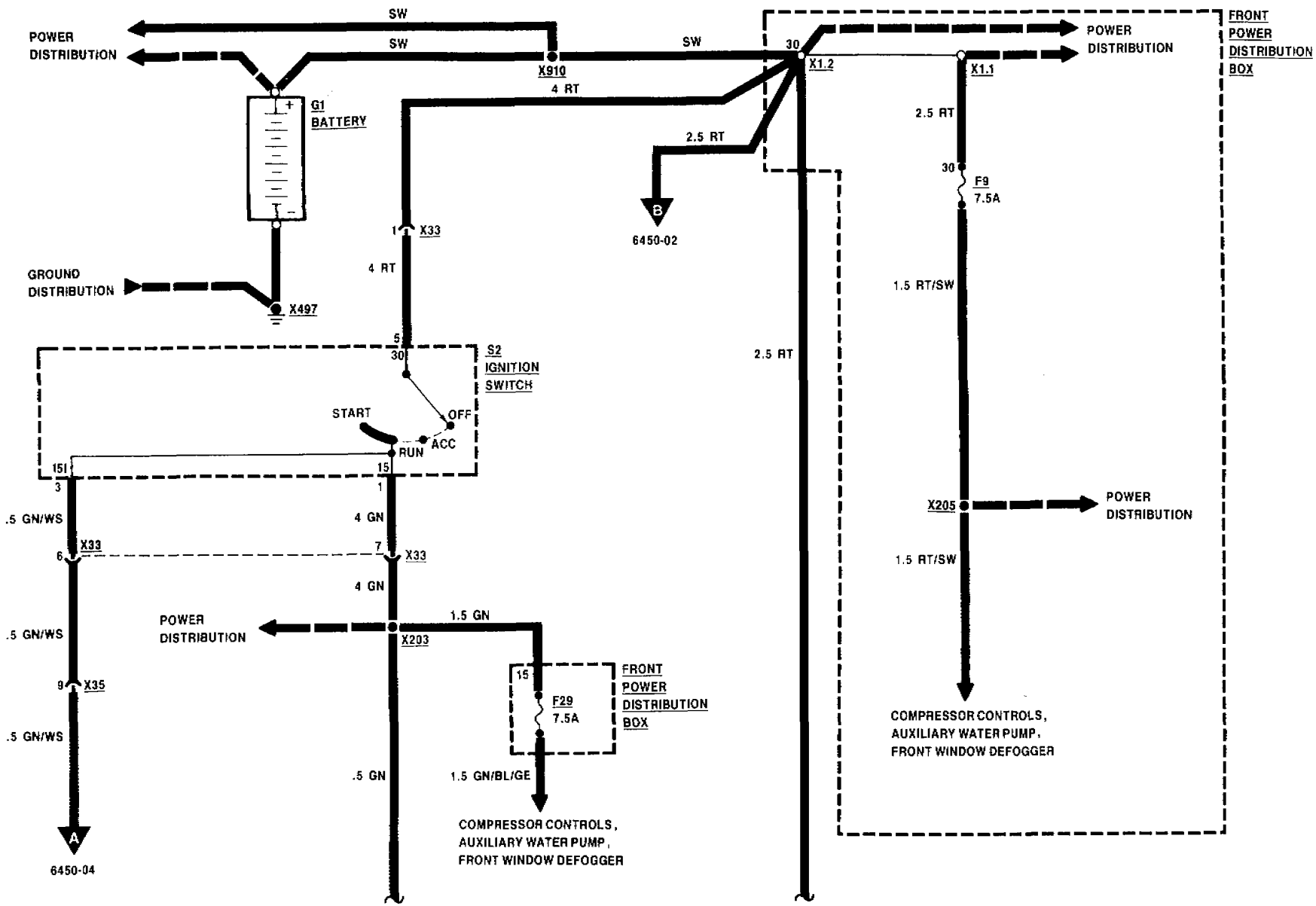
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FOR REAR DEFOGGER:
DIAGNOSIS,
REFER TO CELL 6450

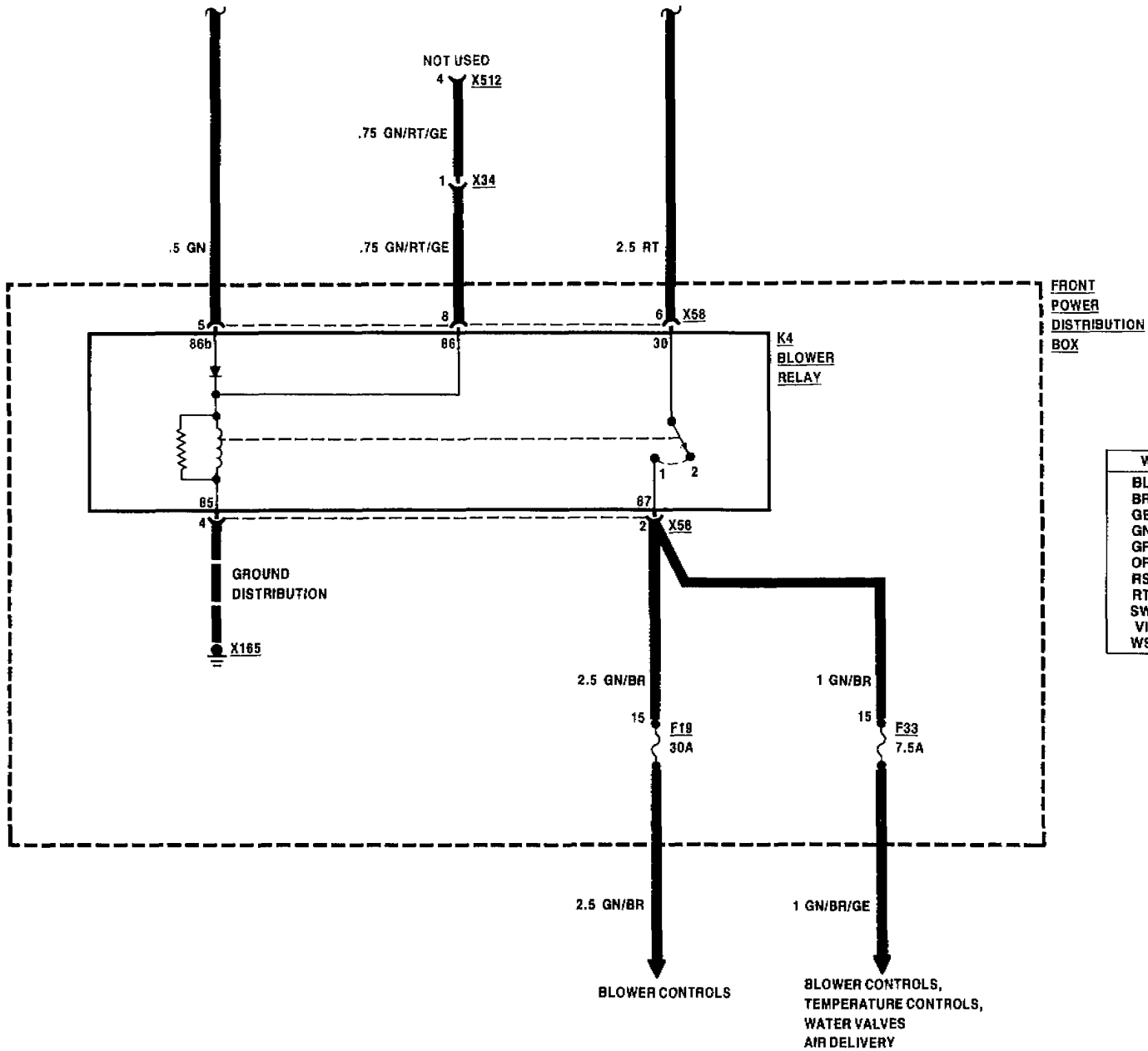
carplan.com

AUTOMATIC CLIMATE CONTROL (IHKA)

POWER



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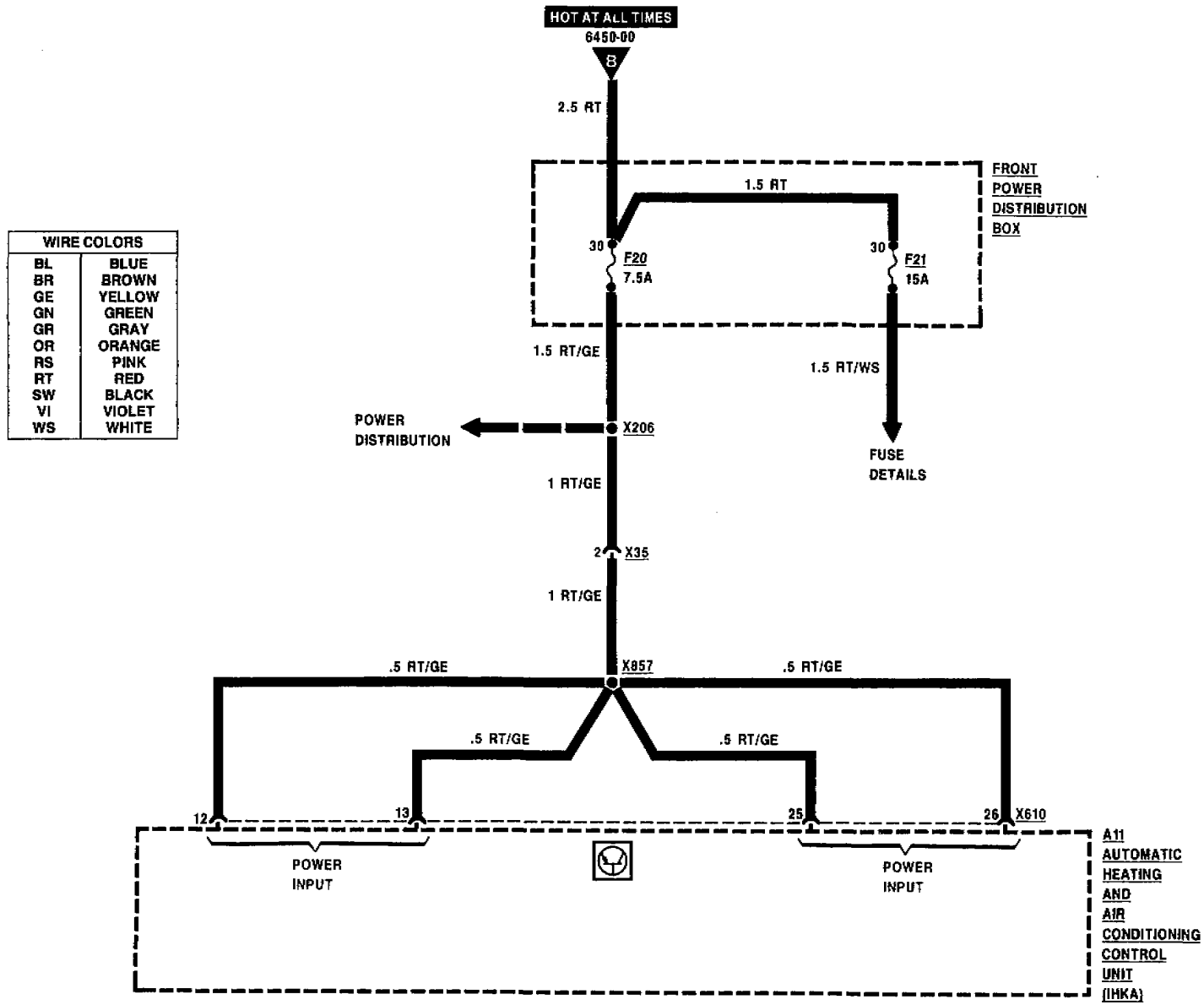


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

cardiagn.com

AUTOMATIC CLIMATE CONTROL (IHKA)

POWER

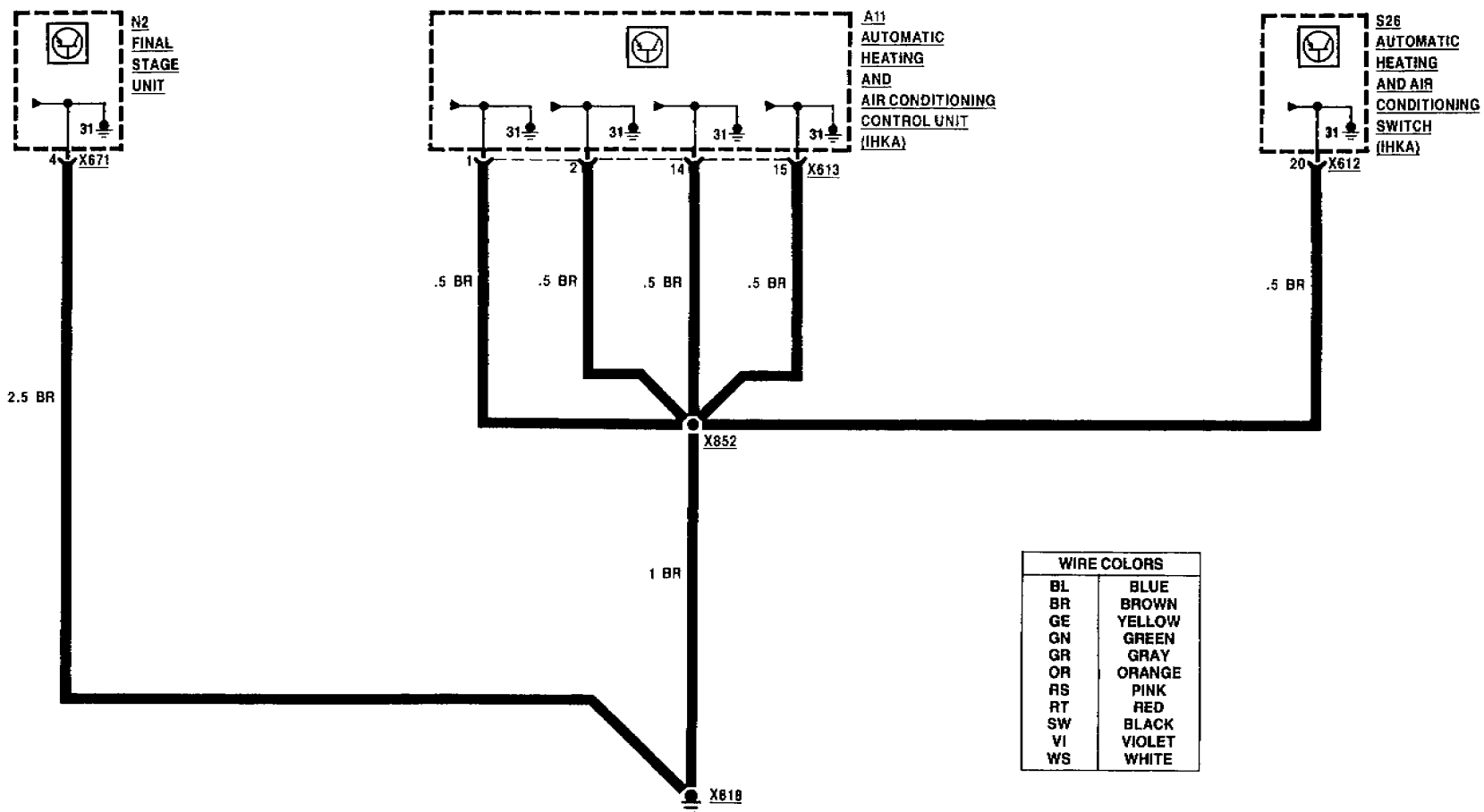


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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AUTOMATIC CLIMATE CONTROL (IHKA)

GROUND

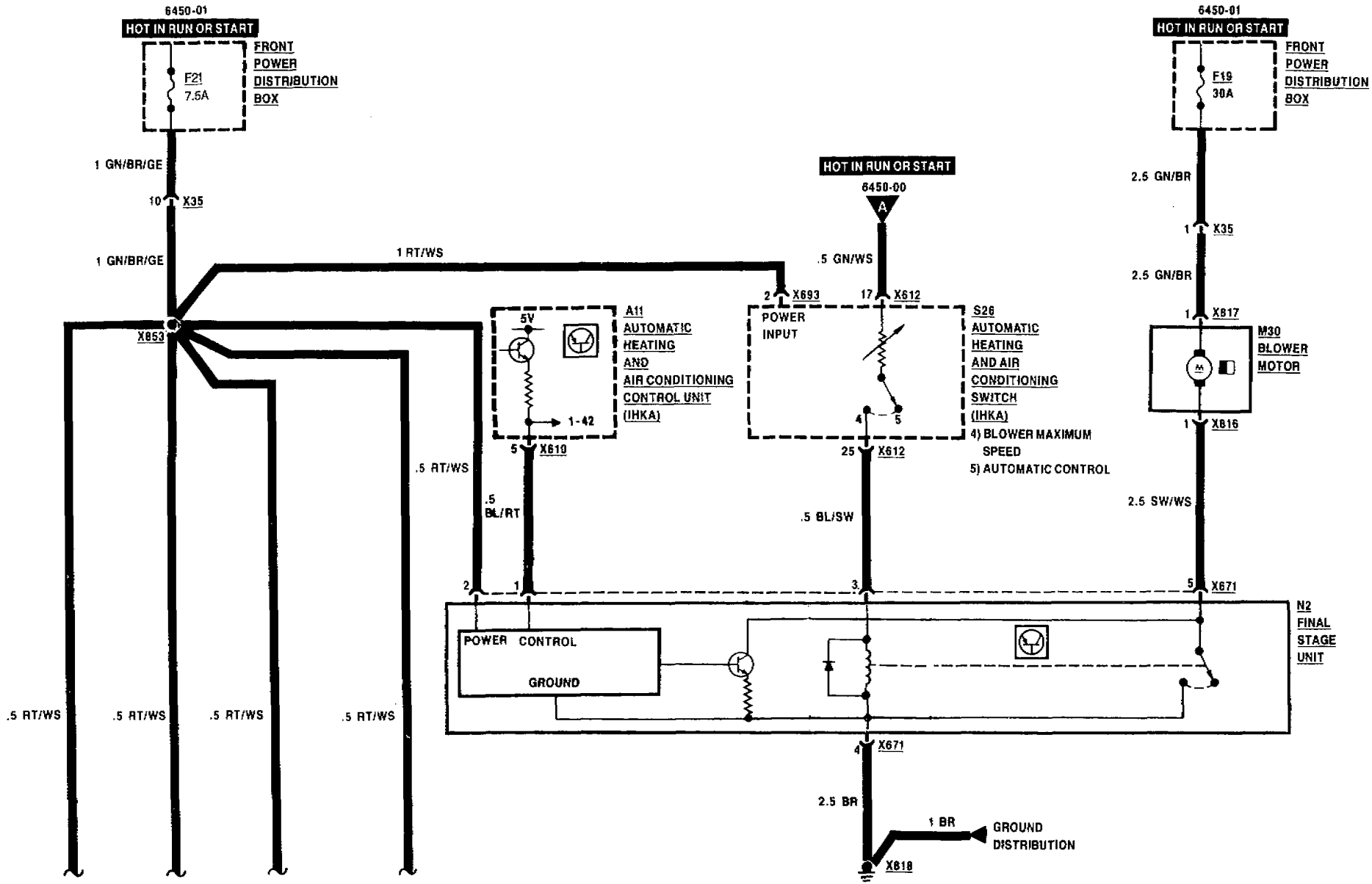


WIRE COLORS	
BL	BLUE
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GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

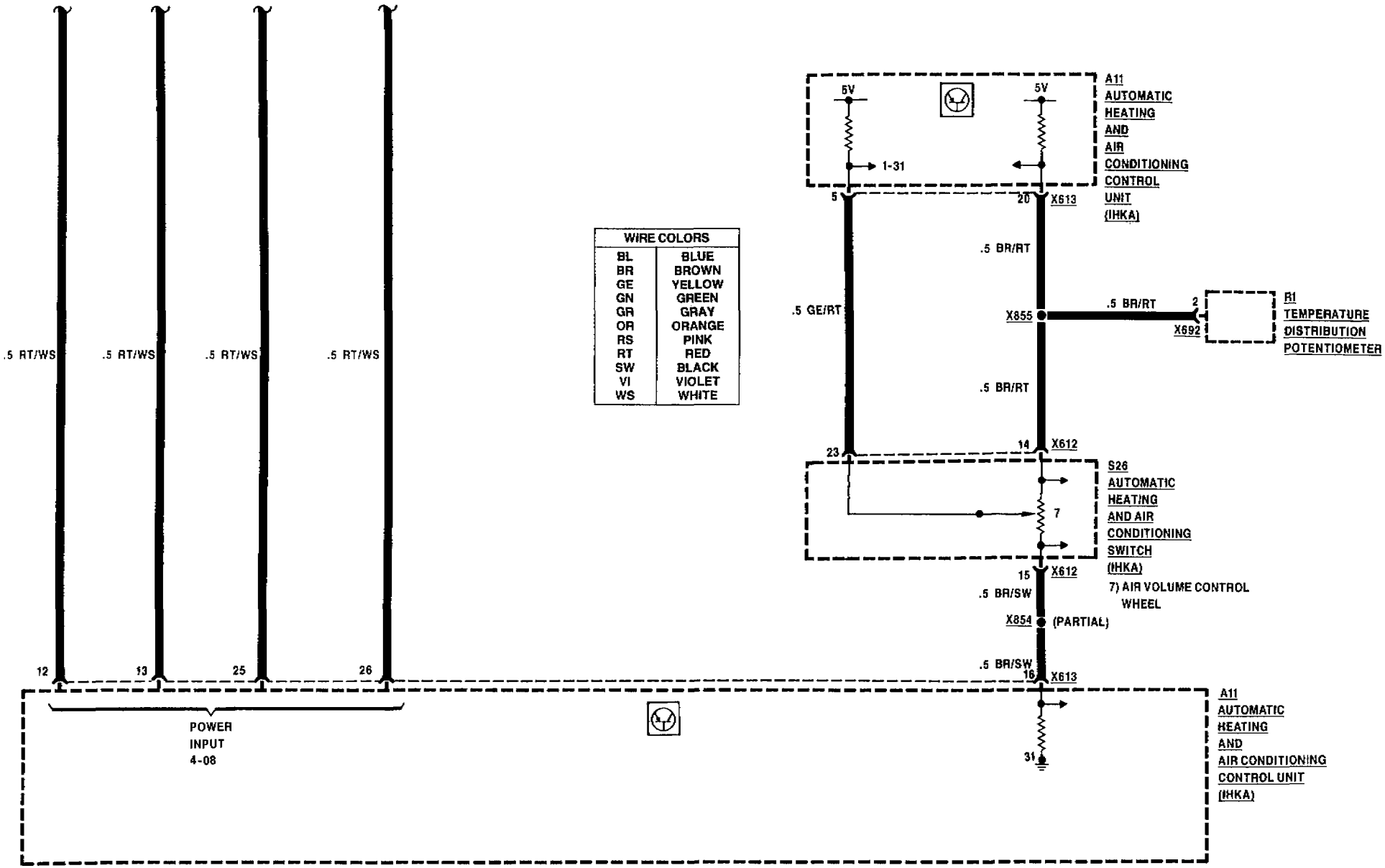
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AUTOMATIC CLIMATE CONTROL (IHKA)

BLOWER CONTROL



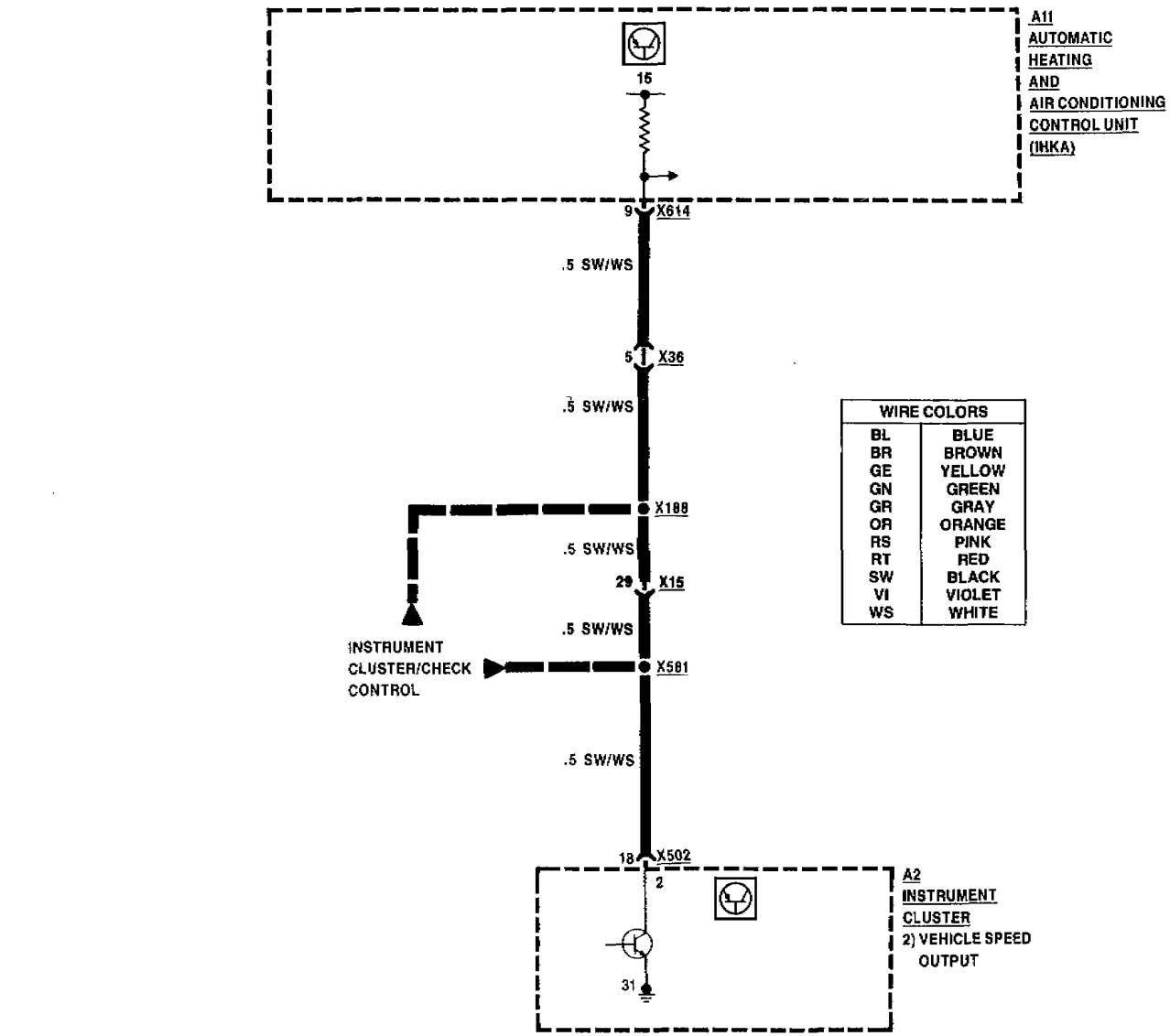
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AUTOMATIC CLIMATE CONTROL (IHKA)

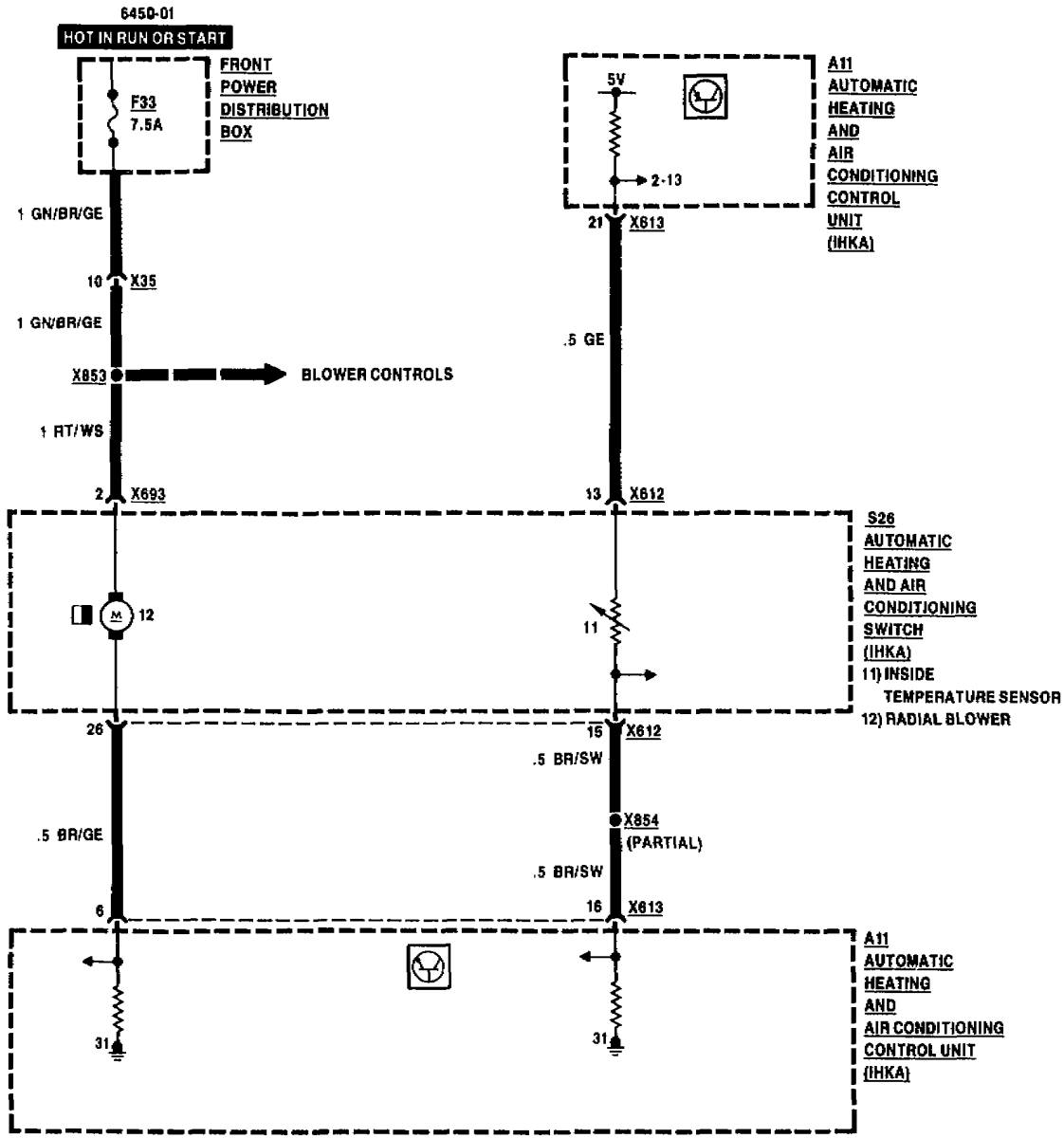
BLOWER CONTROLS



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AUTOMATIC CLIMATE CONTROL (IHKA)

TEMPERATURE CONTROLS

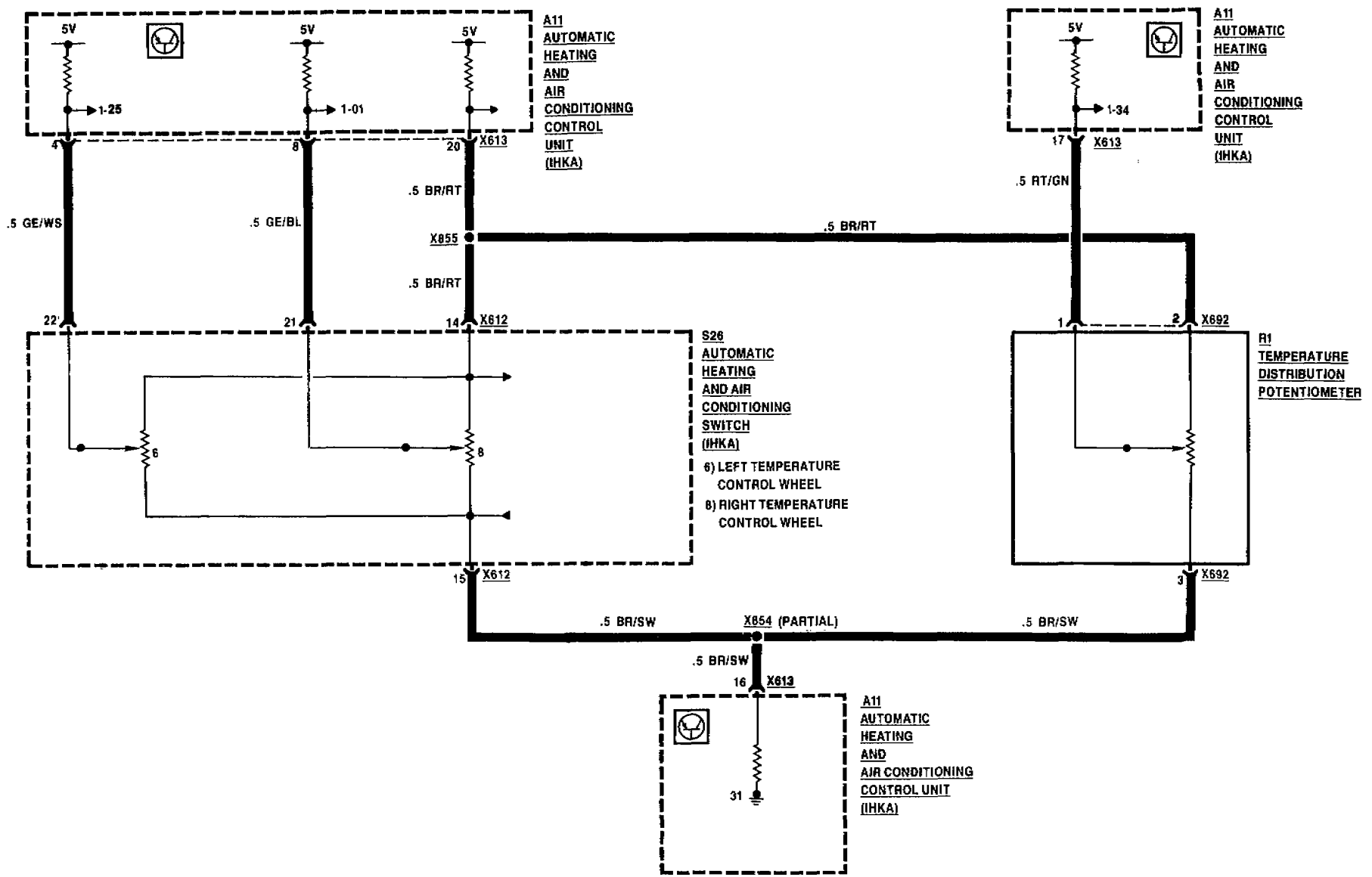


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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AUTOMATIC CLIMATE CONTROL (IHKA)

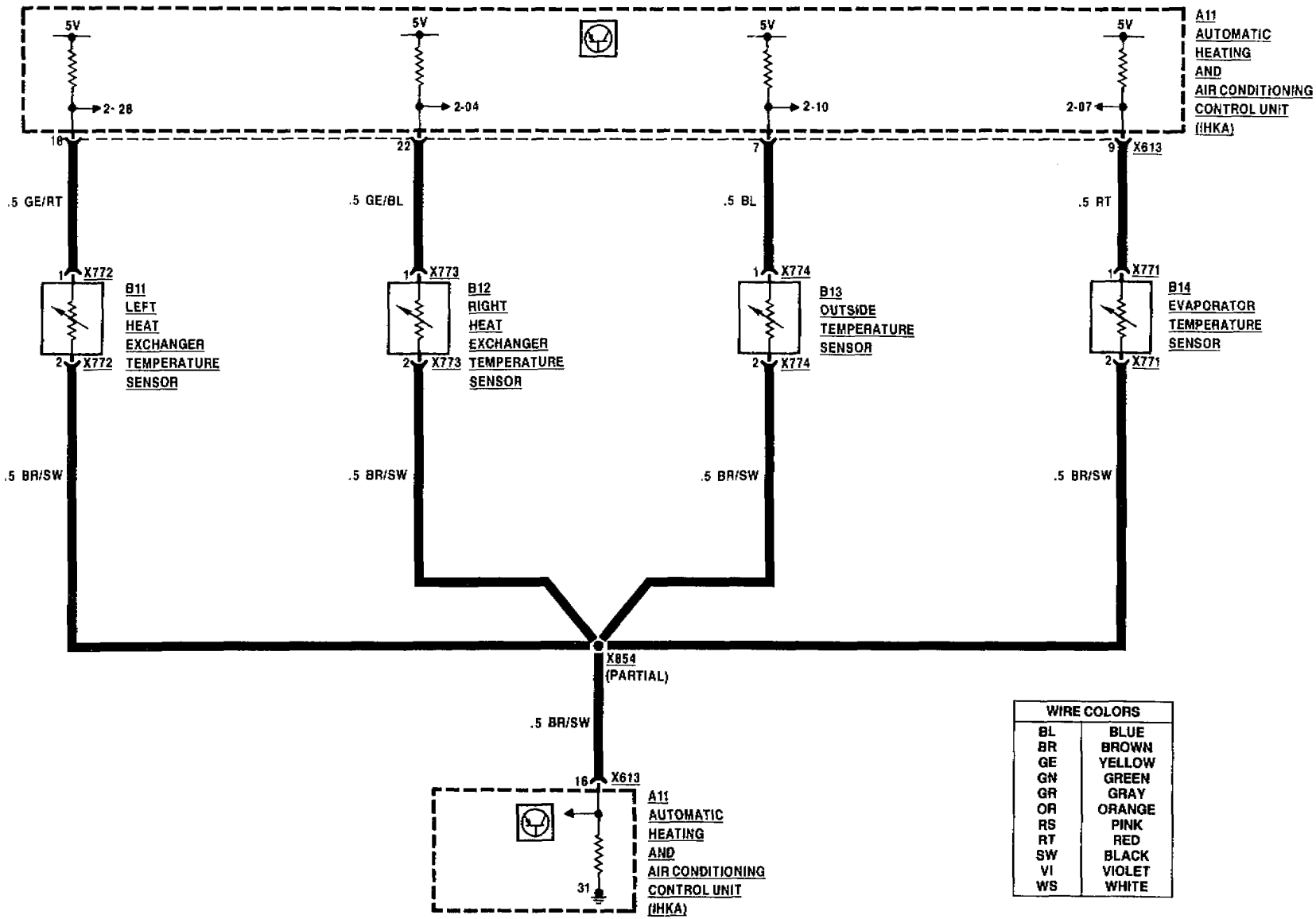
TEMPERATURE CONTROLS



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AUTOMATIC CLIMATE CONTROL (IHKA)

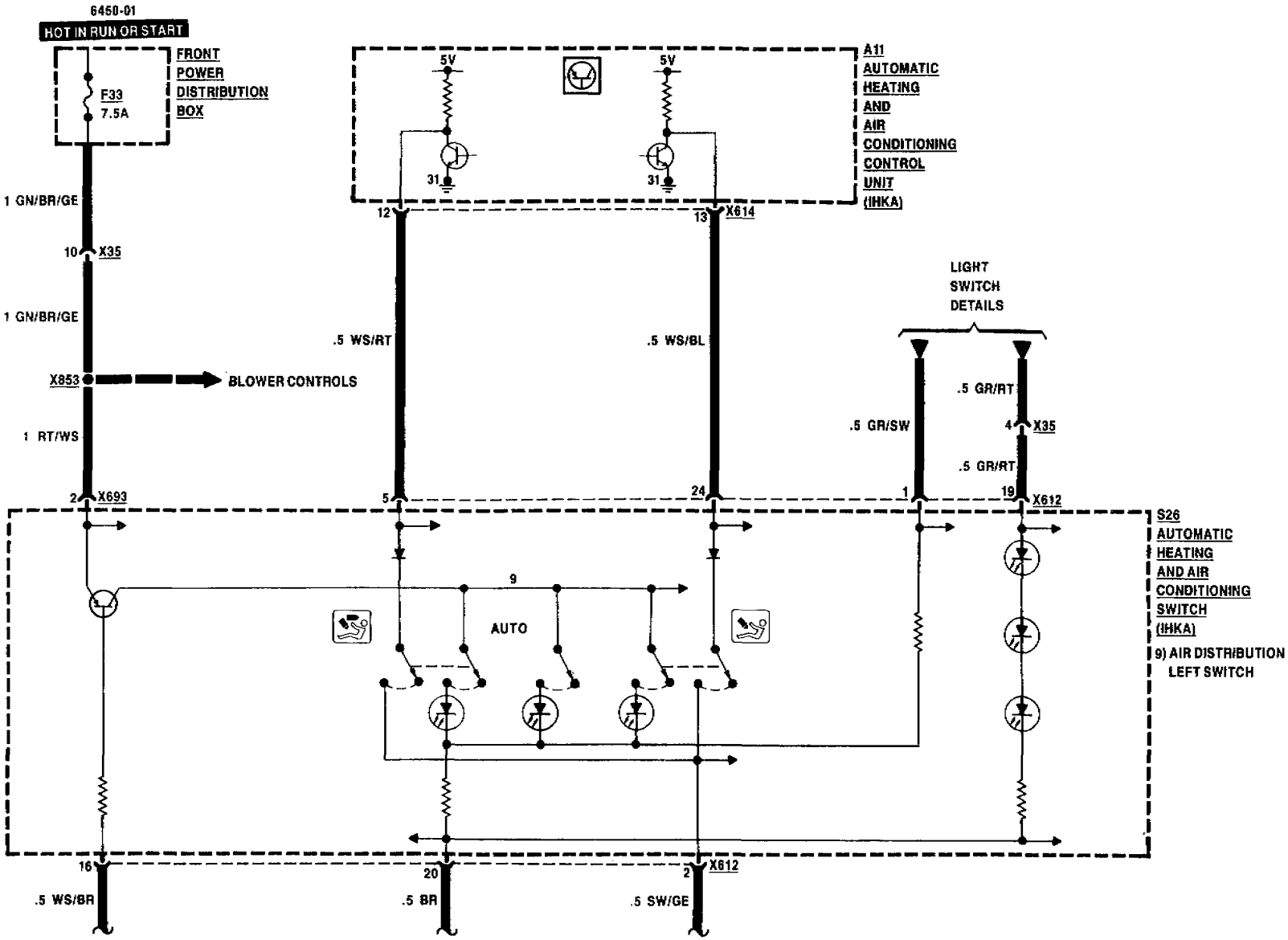
TEMPERATURE CONTROLS



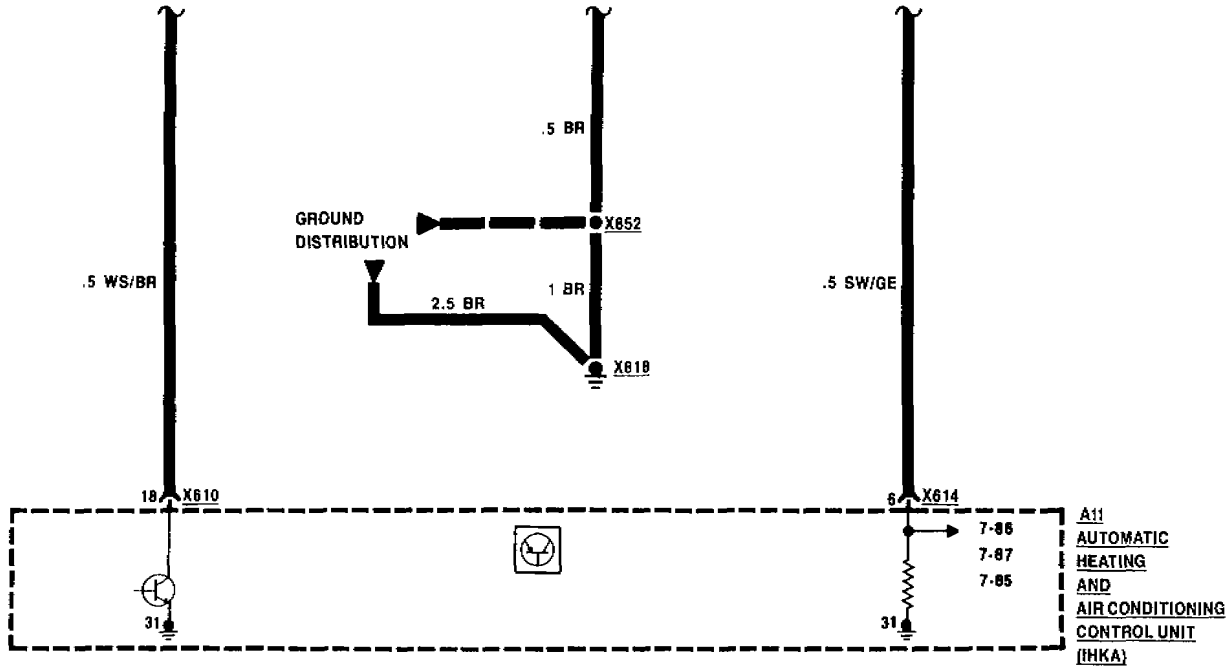
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AUTOMATIC CLIMATE CONTROL (IHKA)

AIR DELIVERY



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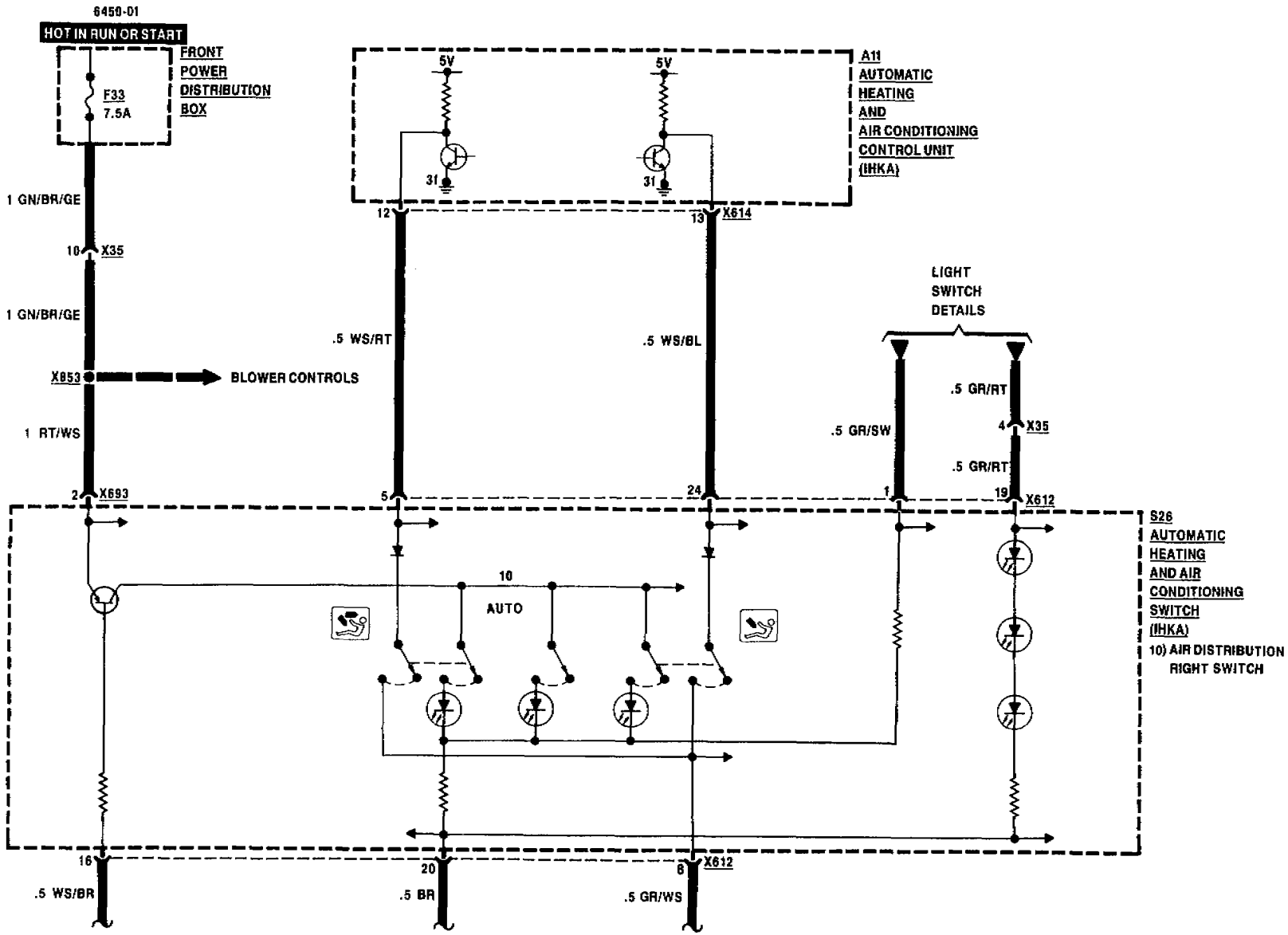


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

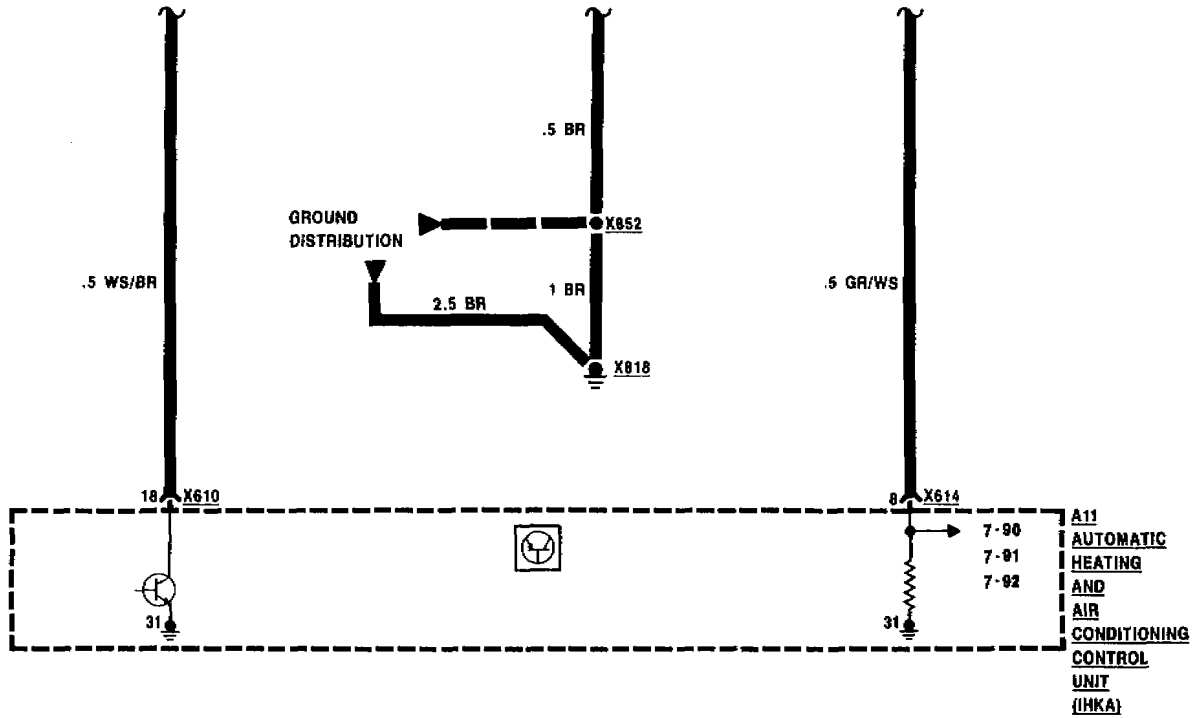
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AUTOMATIC CLIMATE CONTROL (IHKA)

AIR DELIVERY



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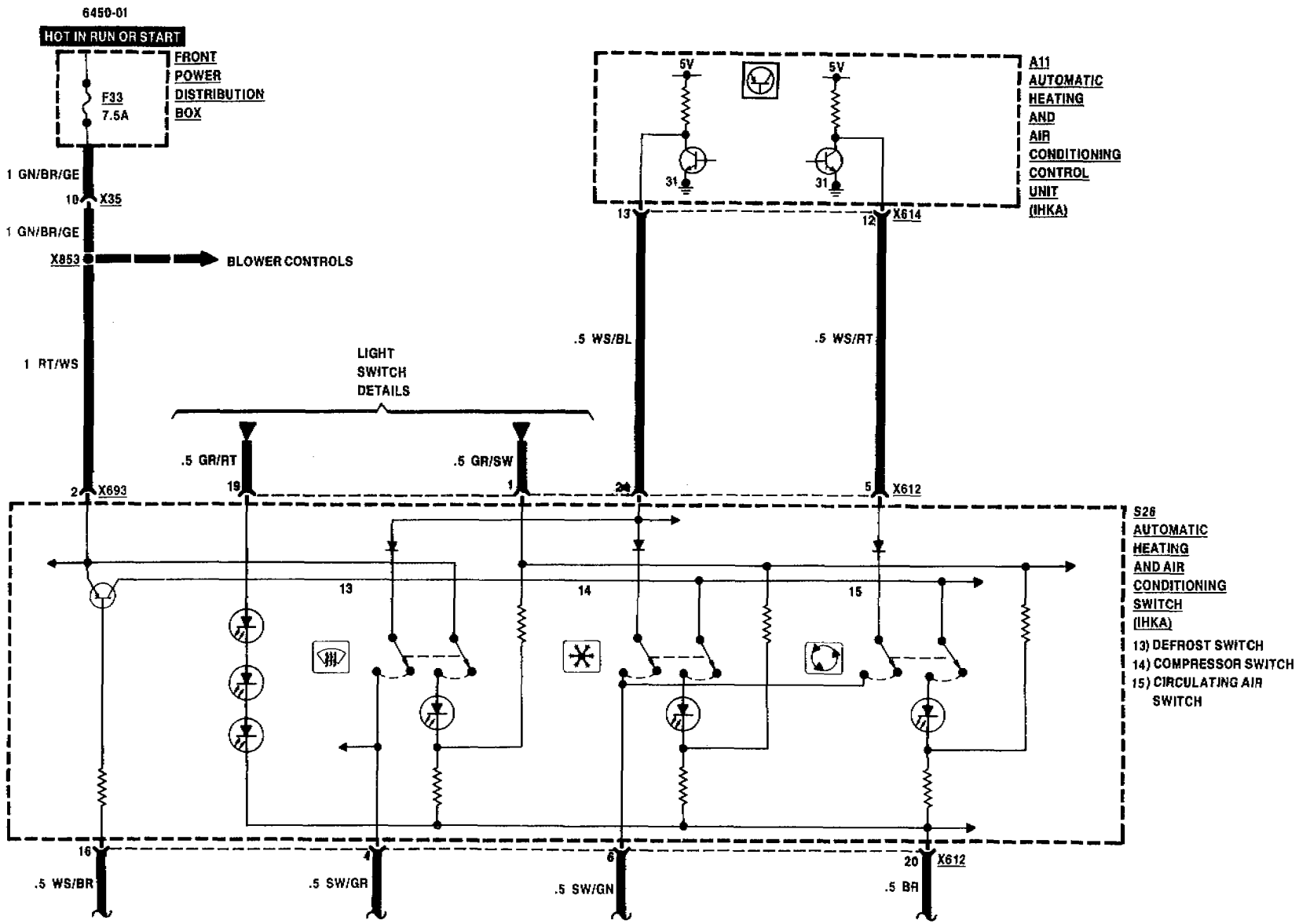


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

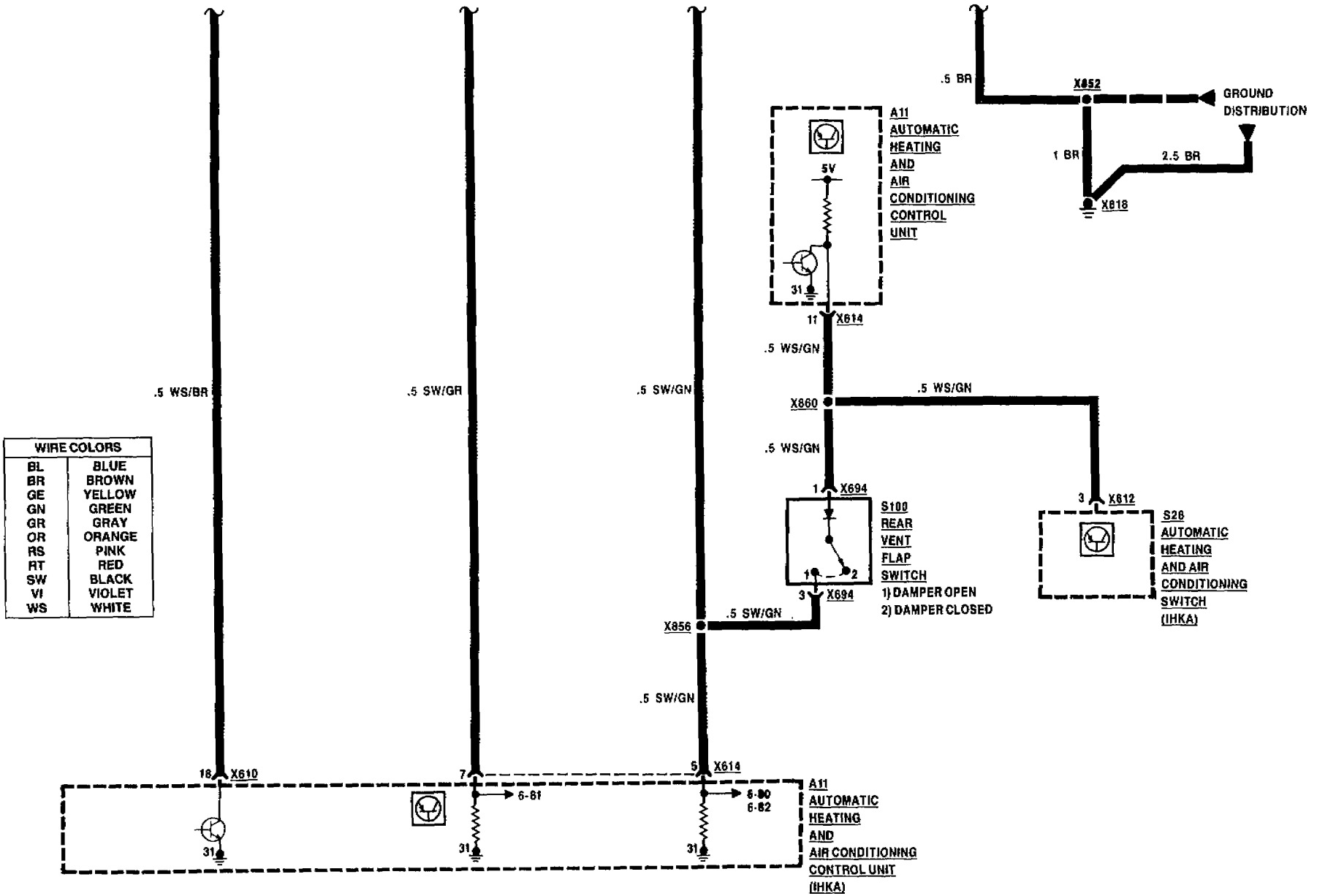
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AUTOMATIC CLIMATE CONTROL (IHKA)

AIR DELIVERY



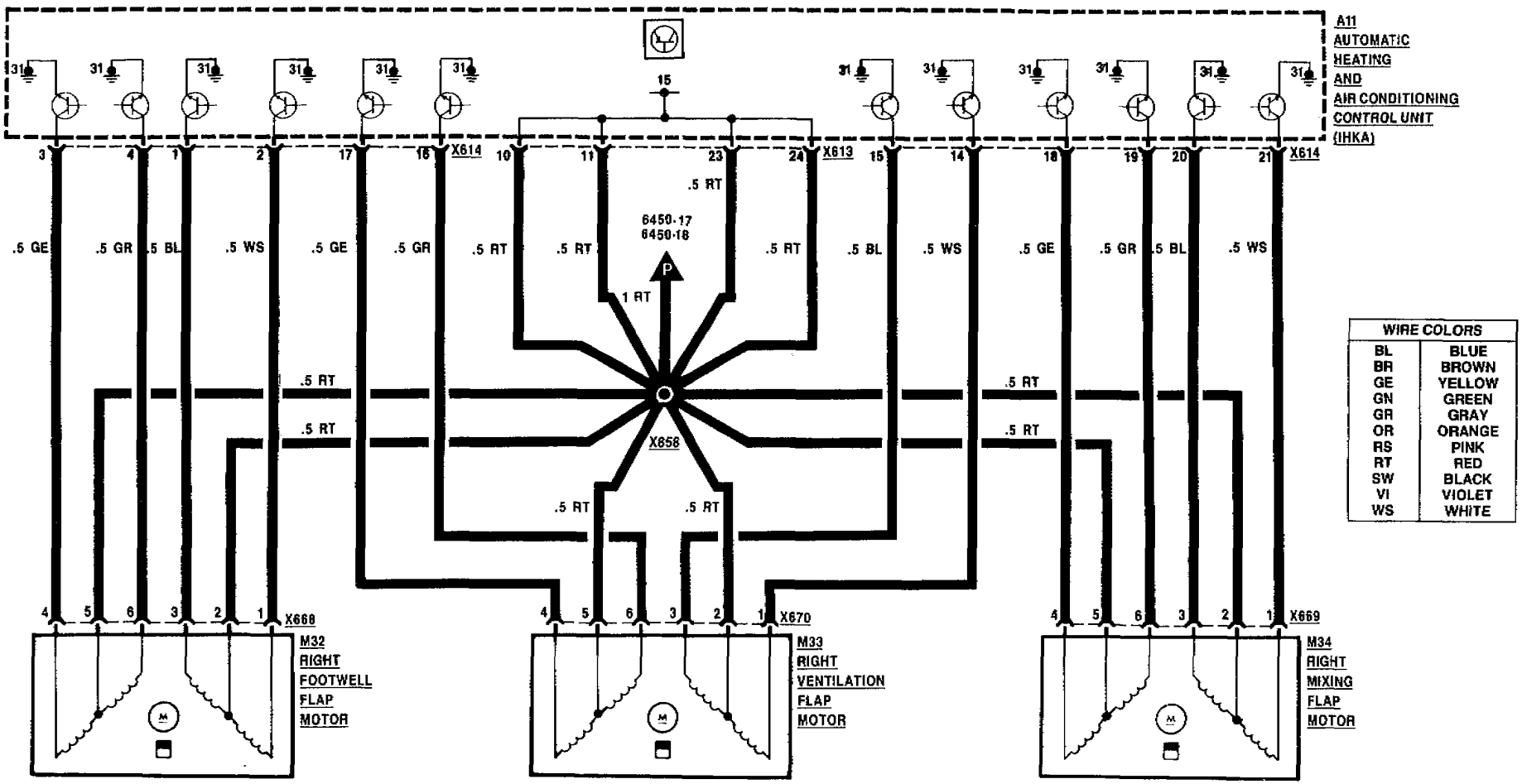
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AUTOMATIC CLIMATE CONTROL (IHKA)

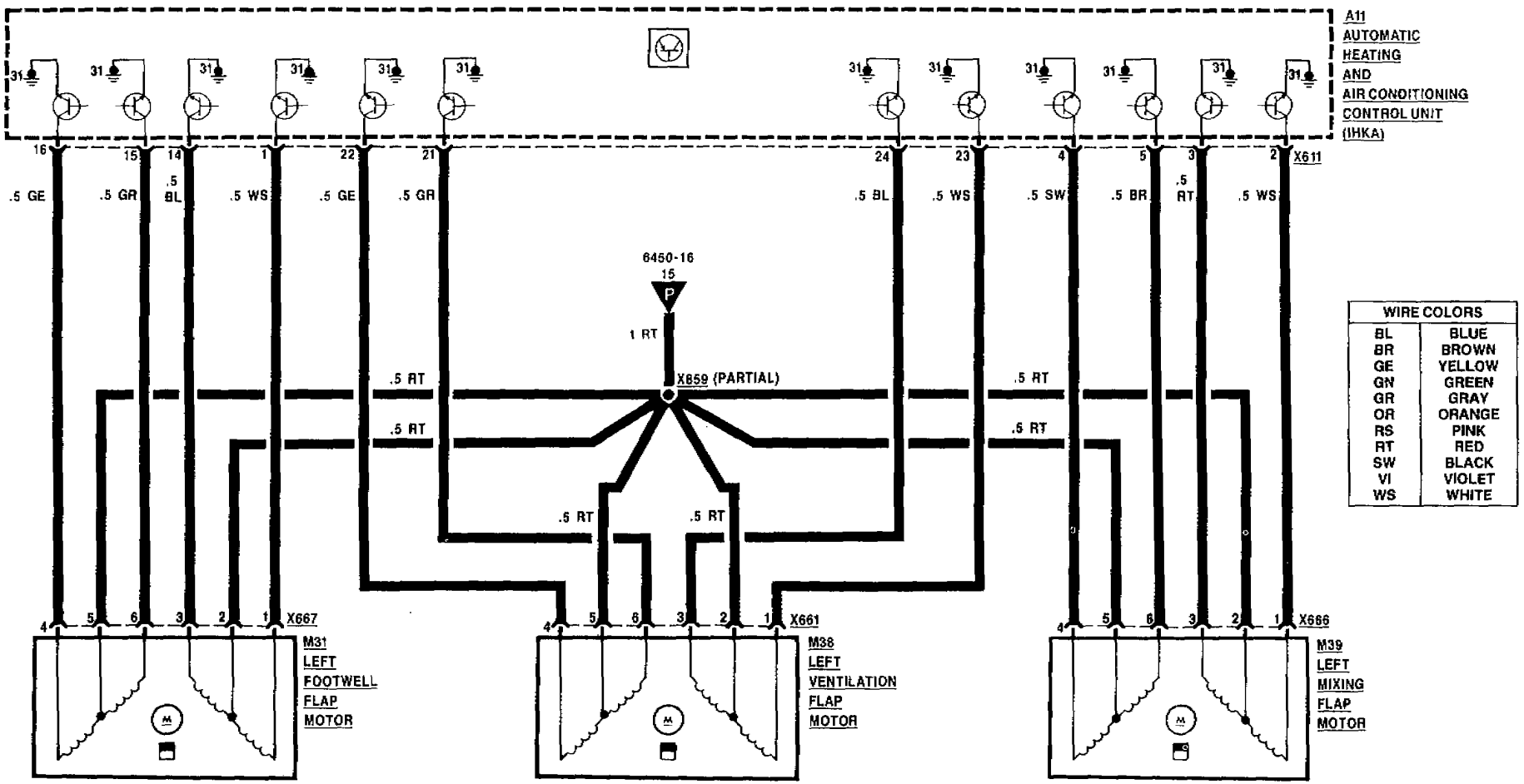
AIR DELIVERY



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AUTOMATIC CLIMATE CONTROL (IHKA)

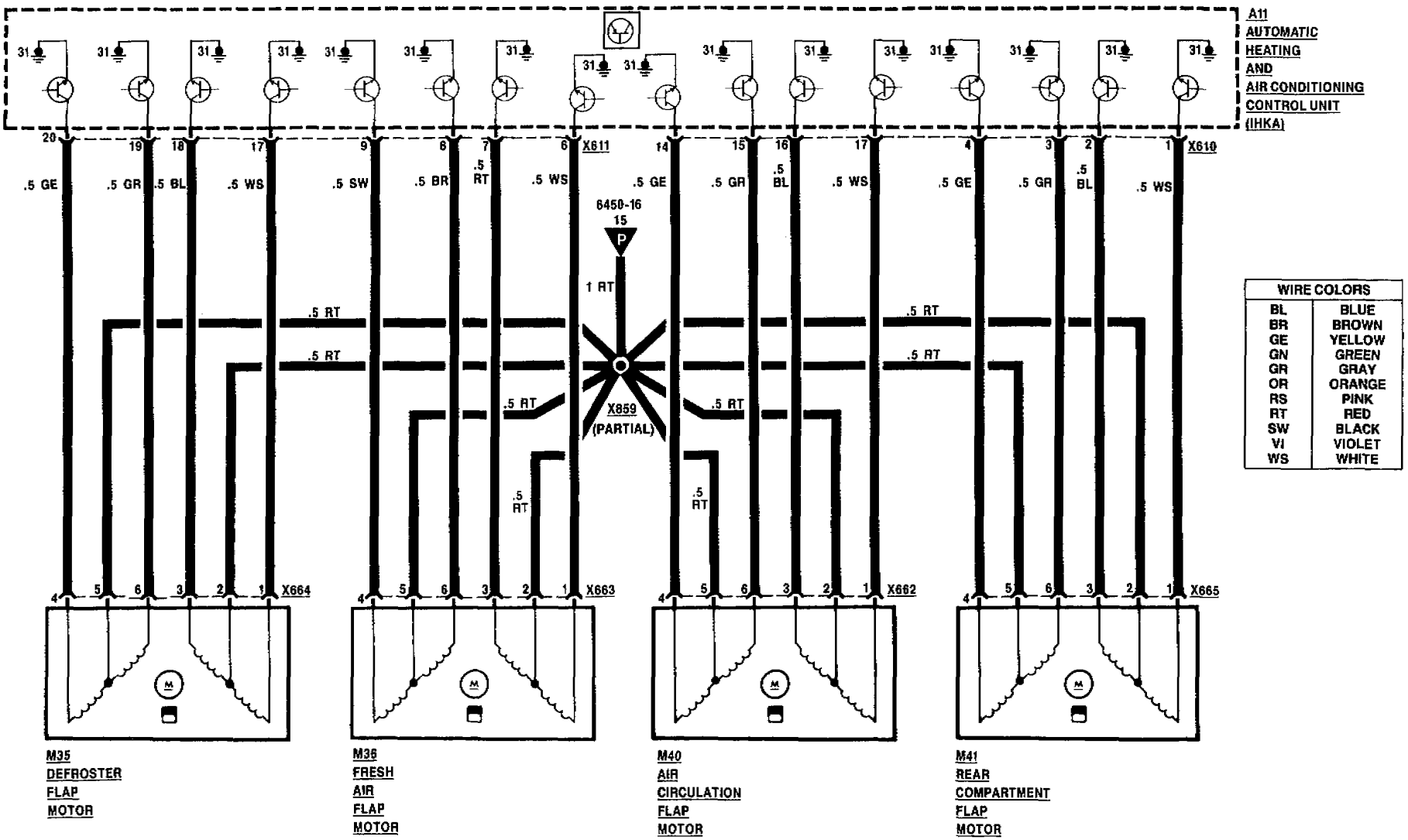
AIR DELIVERY



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AUTOMATIC CLIMATE CONTROL (IHKA)

AIR DELIVERY



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

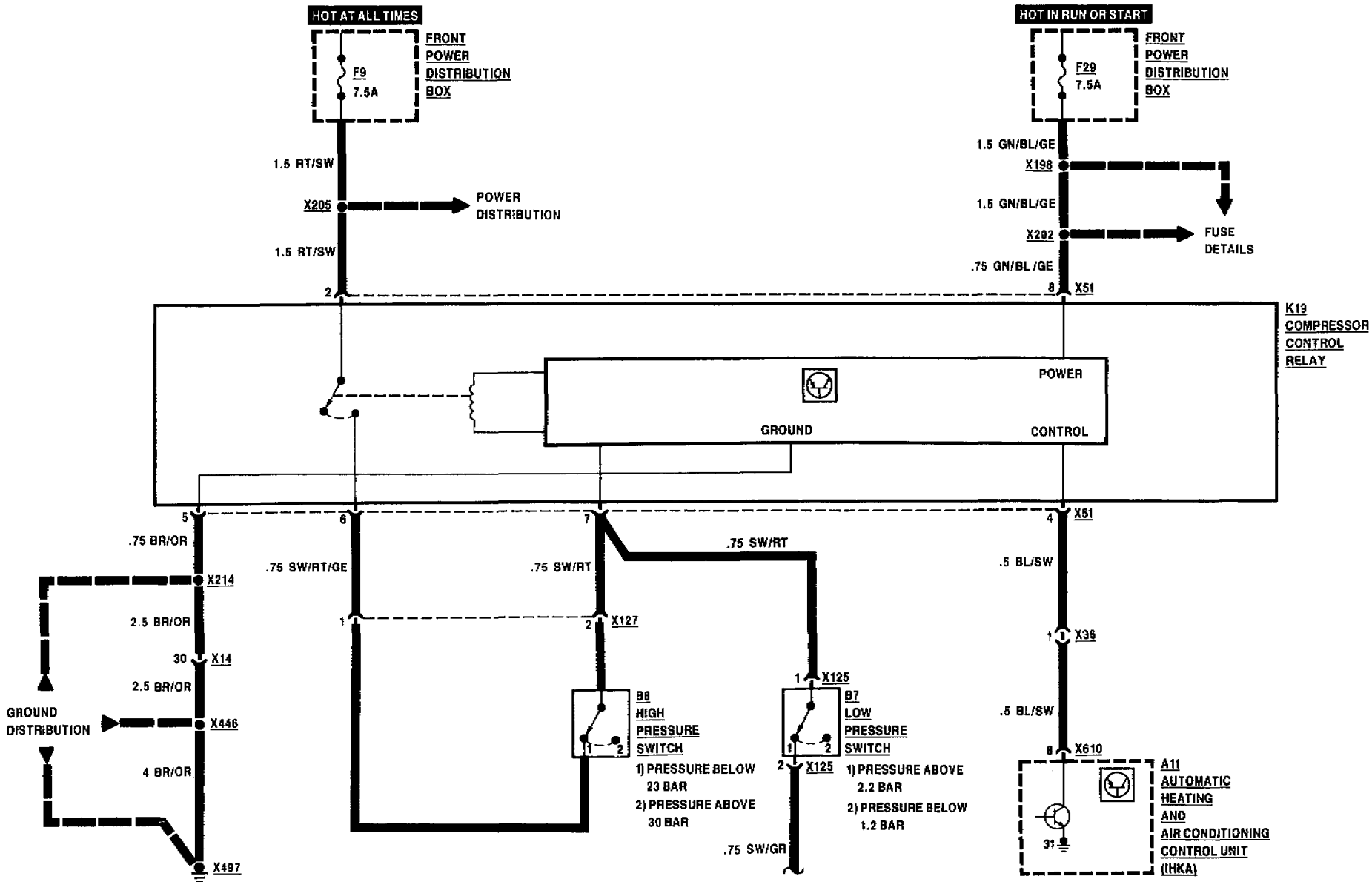
cardiagn.com

FOR AUTOMATIC CLIMATE CONTROL (IHKA):
COMPRESSOR CONTROLS,
SEE PAGE 6450-20

carplan.com

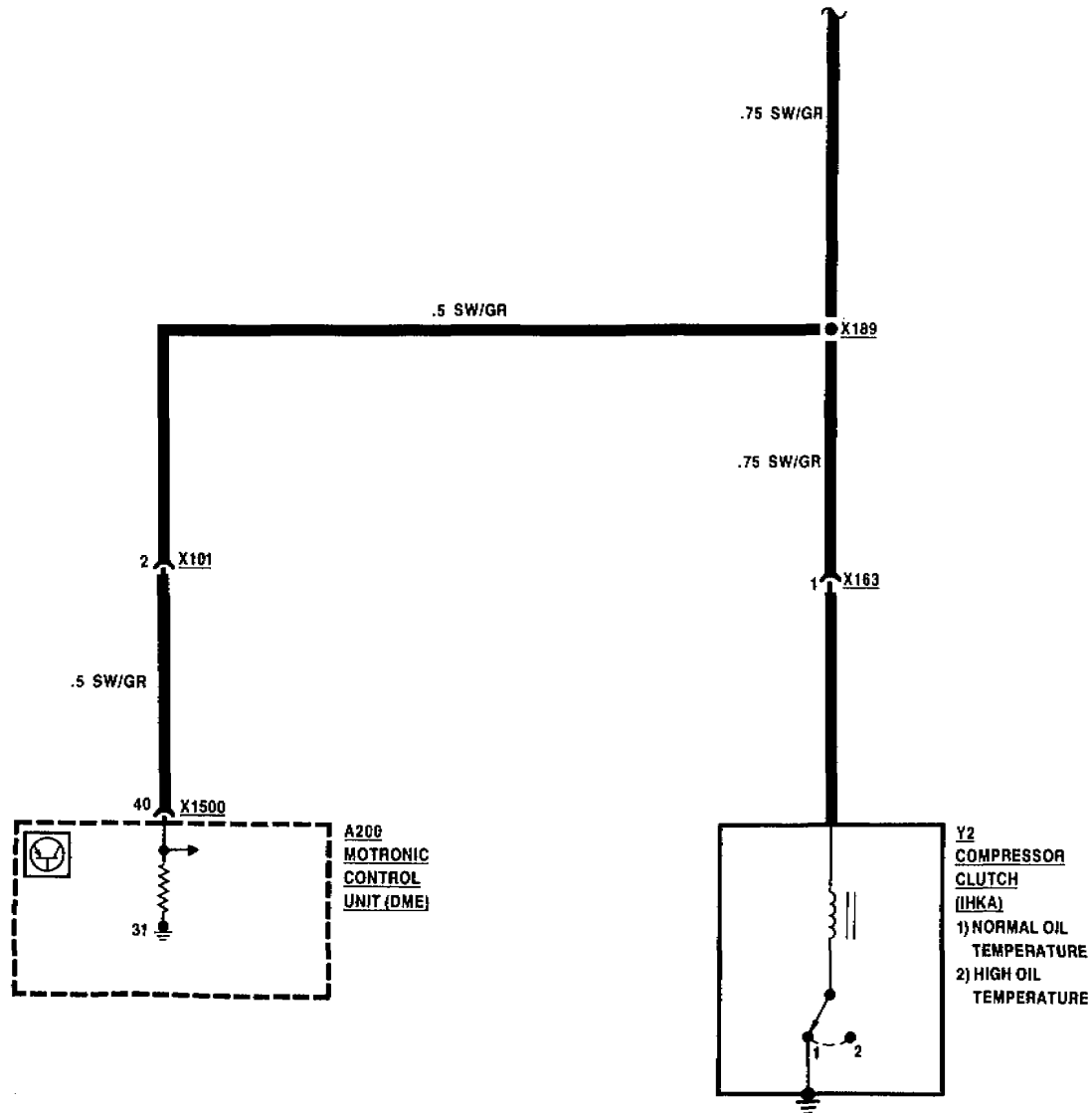
AUTOMATIC CLIMATE CONTROL (IHKA)

COMPRESSOR CONTROLS



carlagn.com

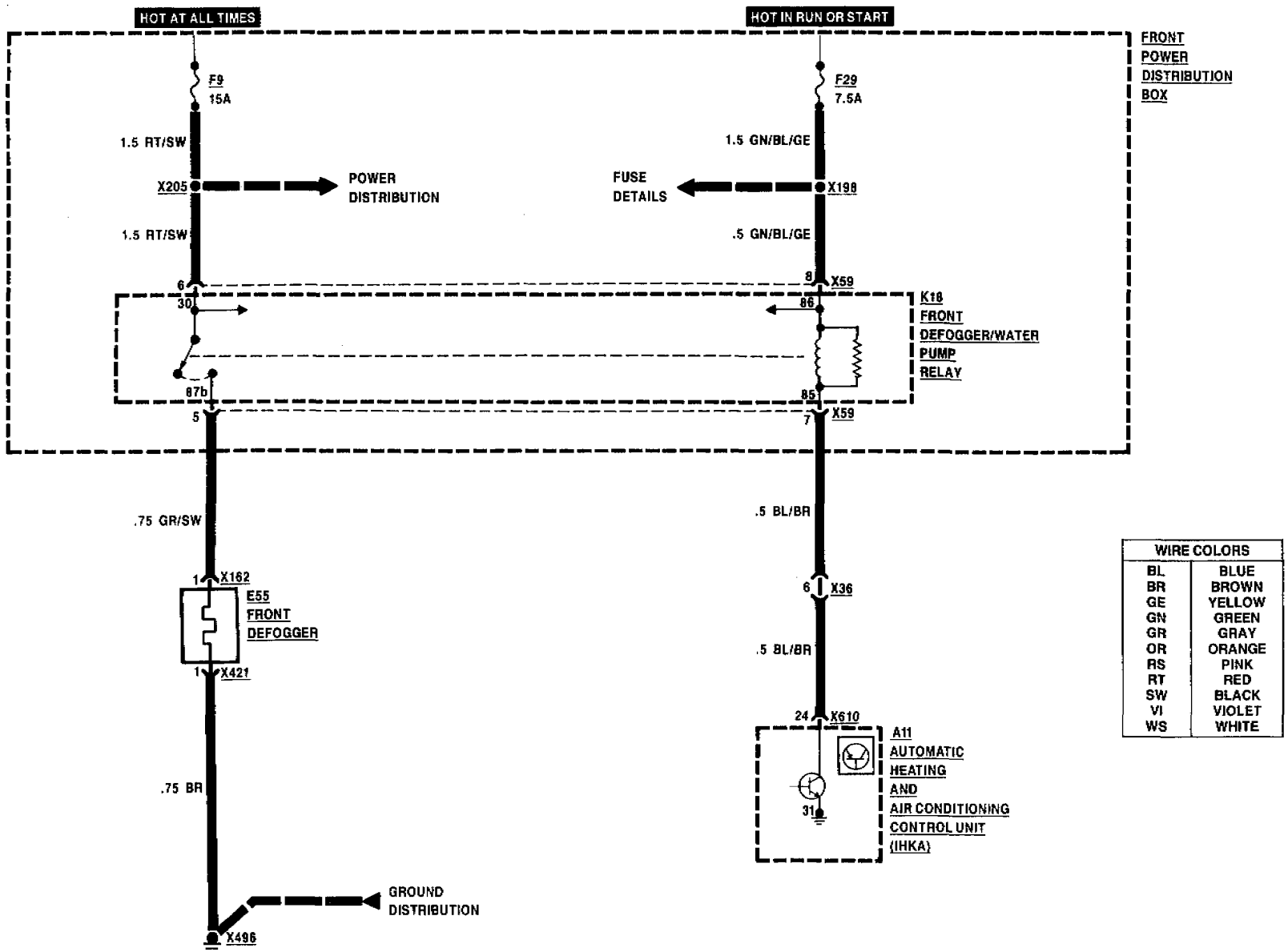
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE



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AUTOMATIC CLIMATE CONTROL (IHKA)

FRONT WINDOW DEFOGGER

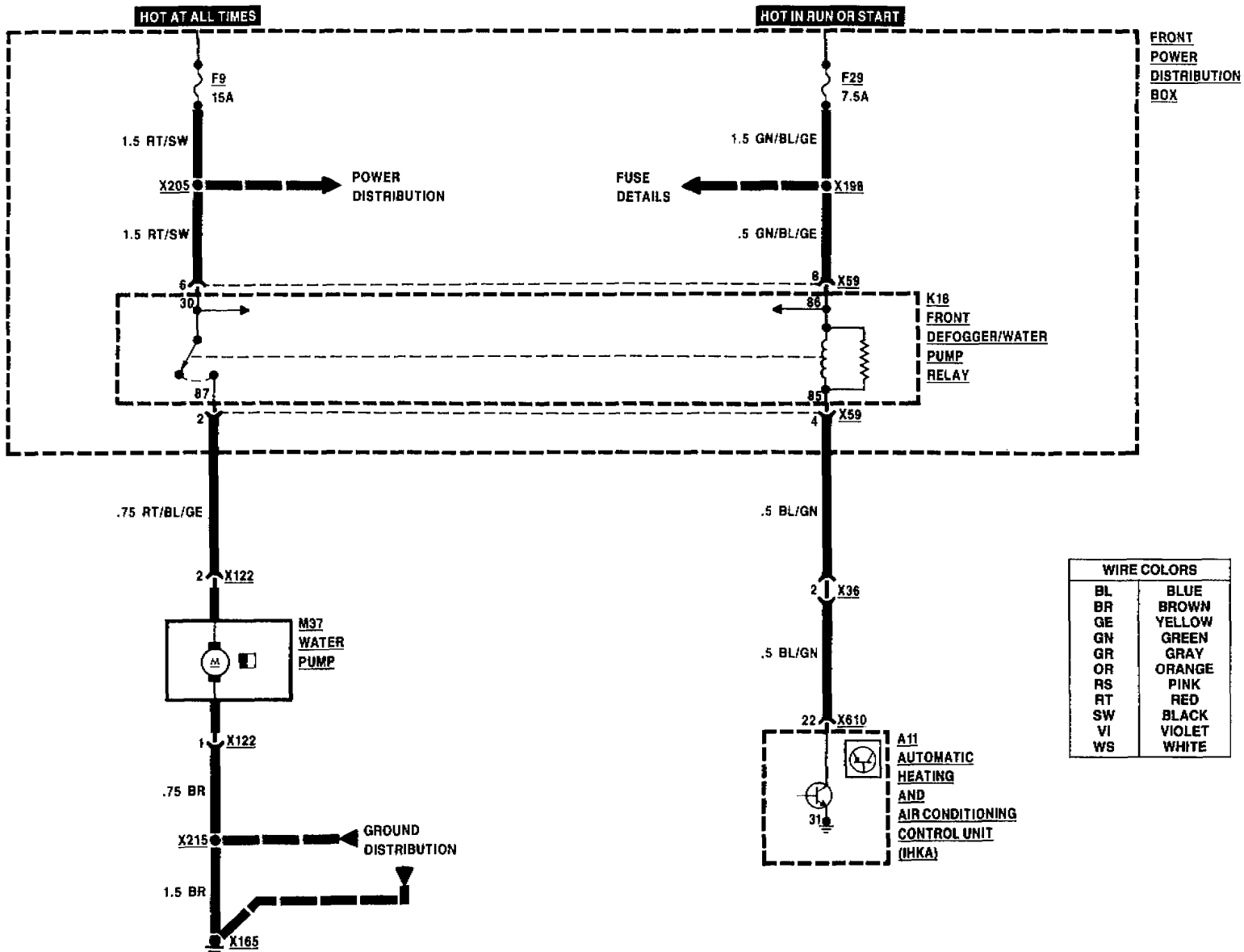


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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AUTOMATIC CLIMATE CONTROL (IHKA)

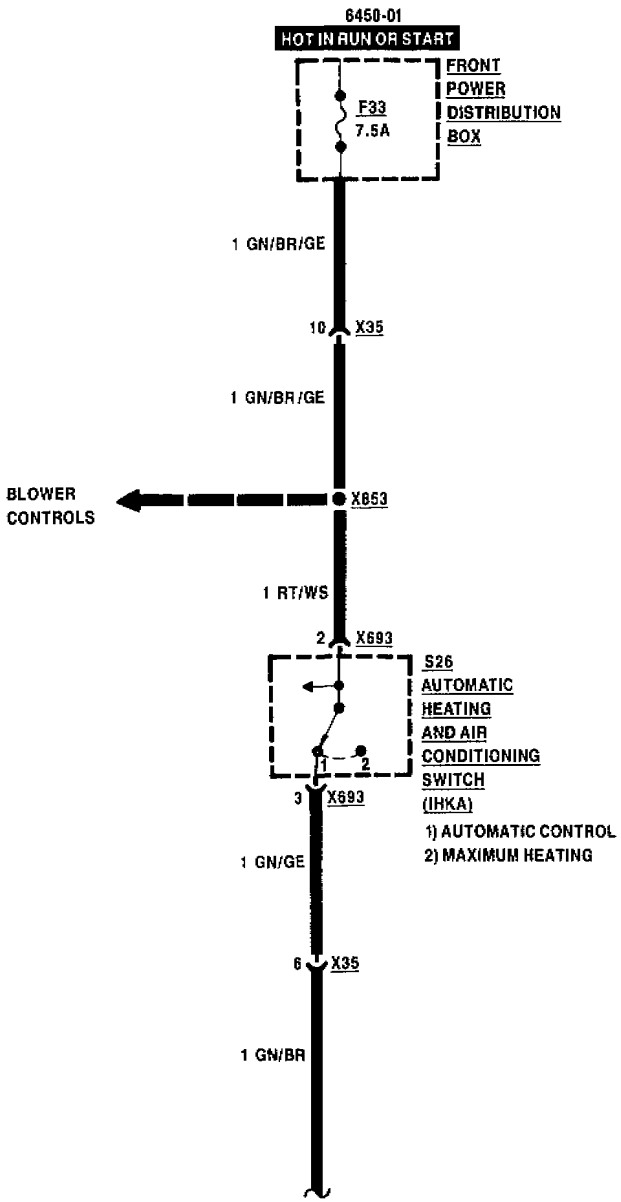
AUXILIARY WATER PUMP



cardiagn.com

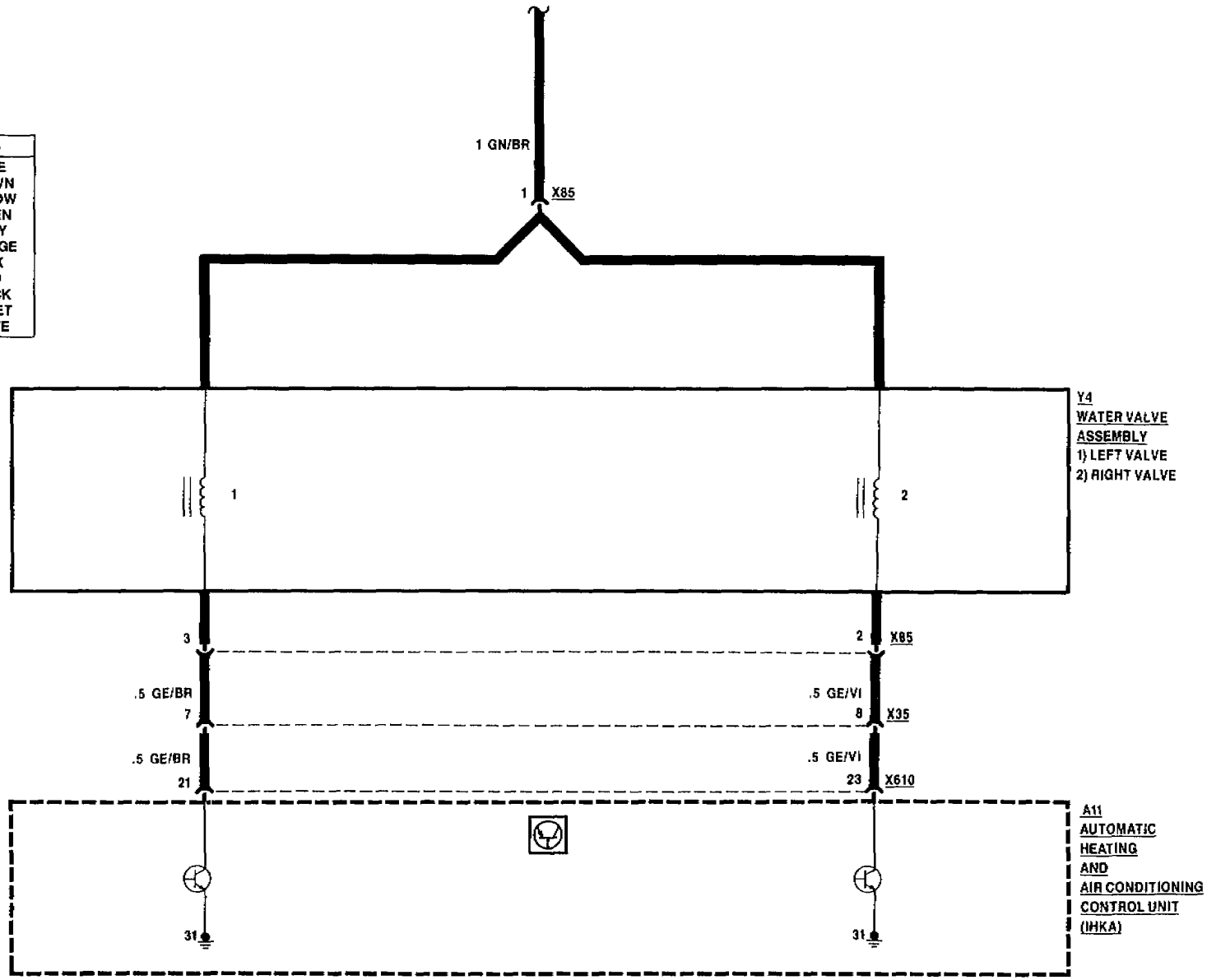
AUTOMATIC CLIMATE CONTROL (IHKA)

WATER VALVES



carplan.com

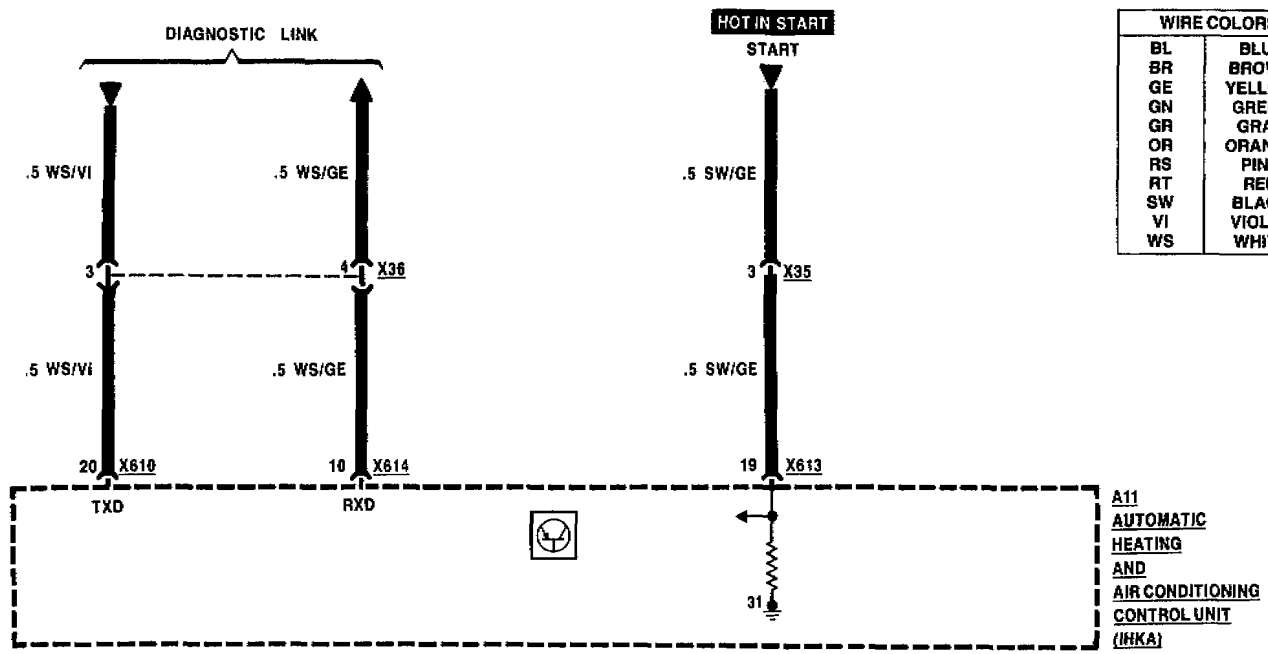
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE



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AUTOMATIC CLIMATE CONTROL (IHKA)

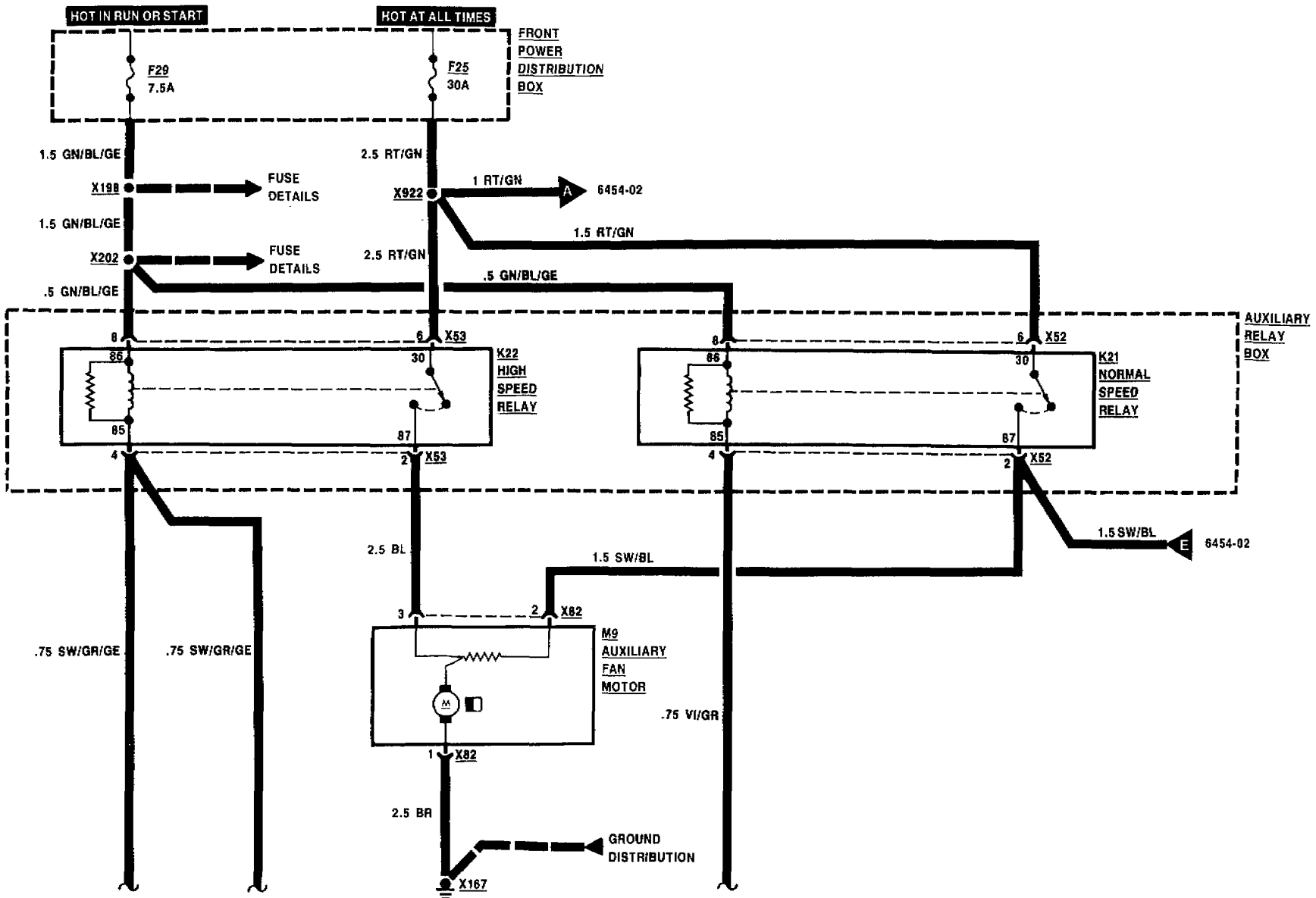
DIAGNOSTIC LINK AND STARTER INPUT



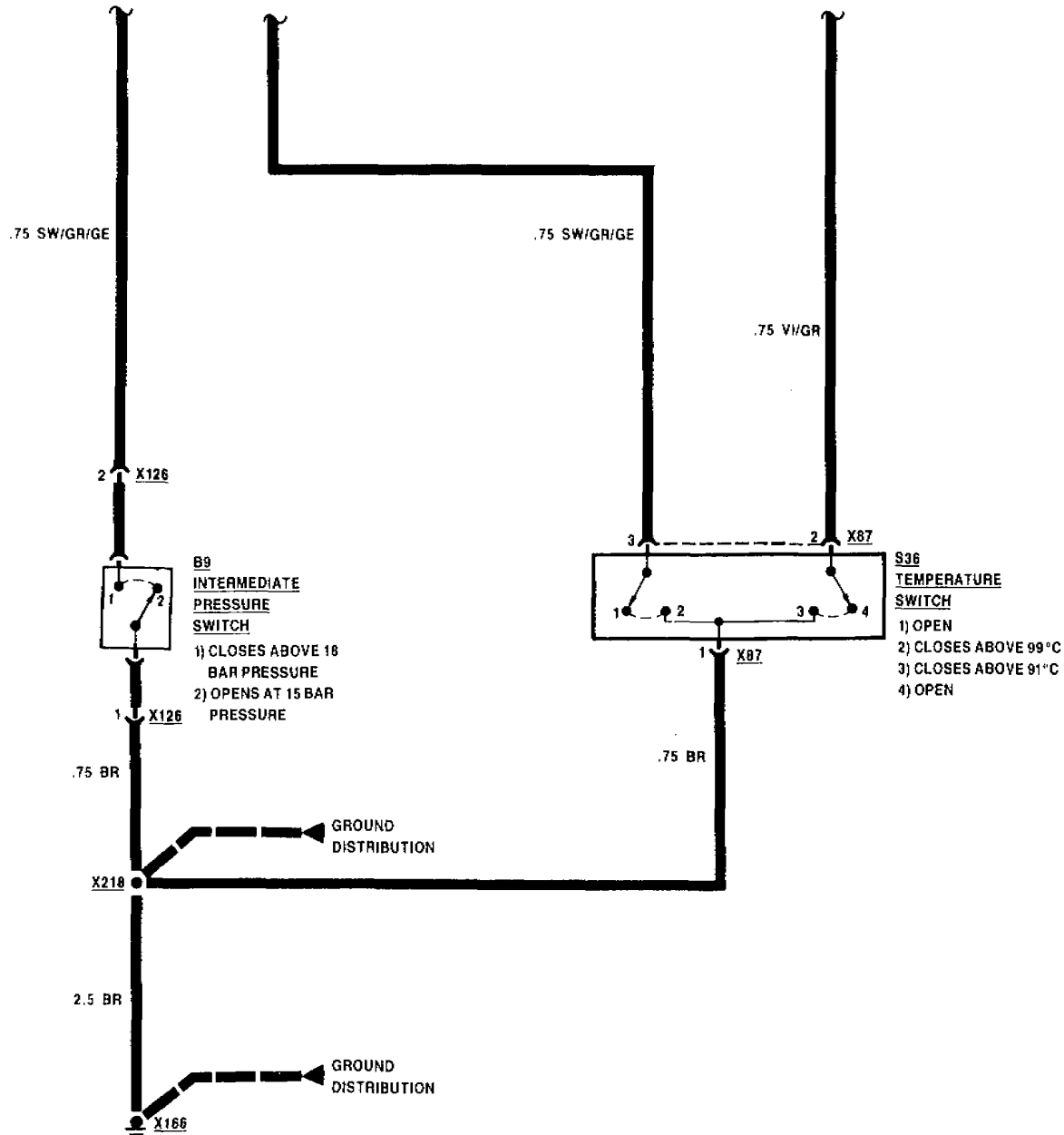
WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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AUXILIARY FAN



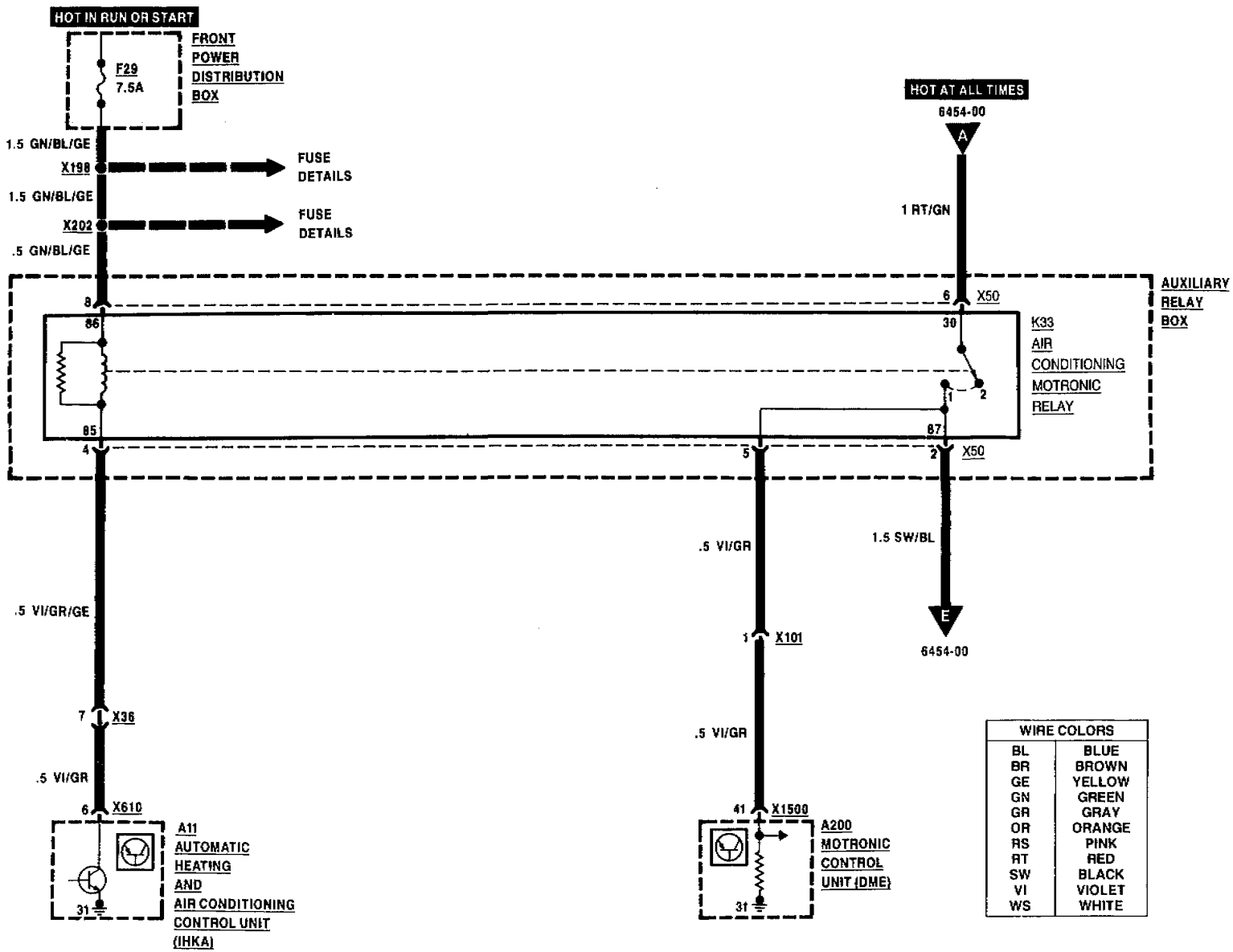
carlagn.com



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

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AUXILIARY FAN



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
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SW	BLACK
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WS	WHITE

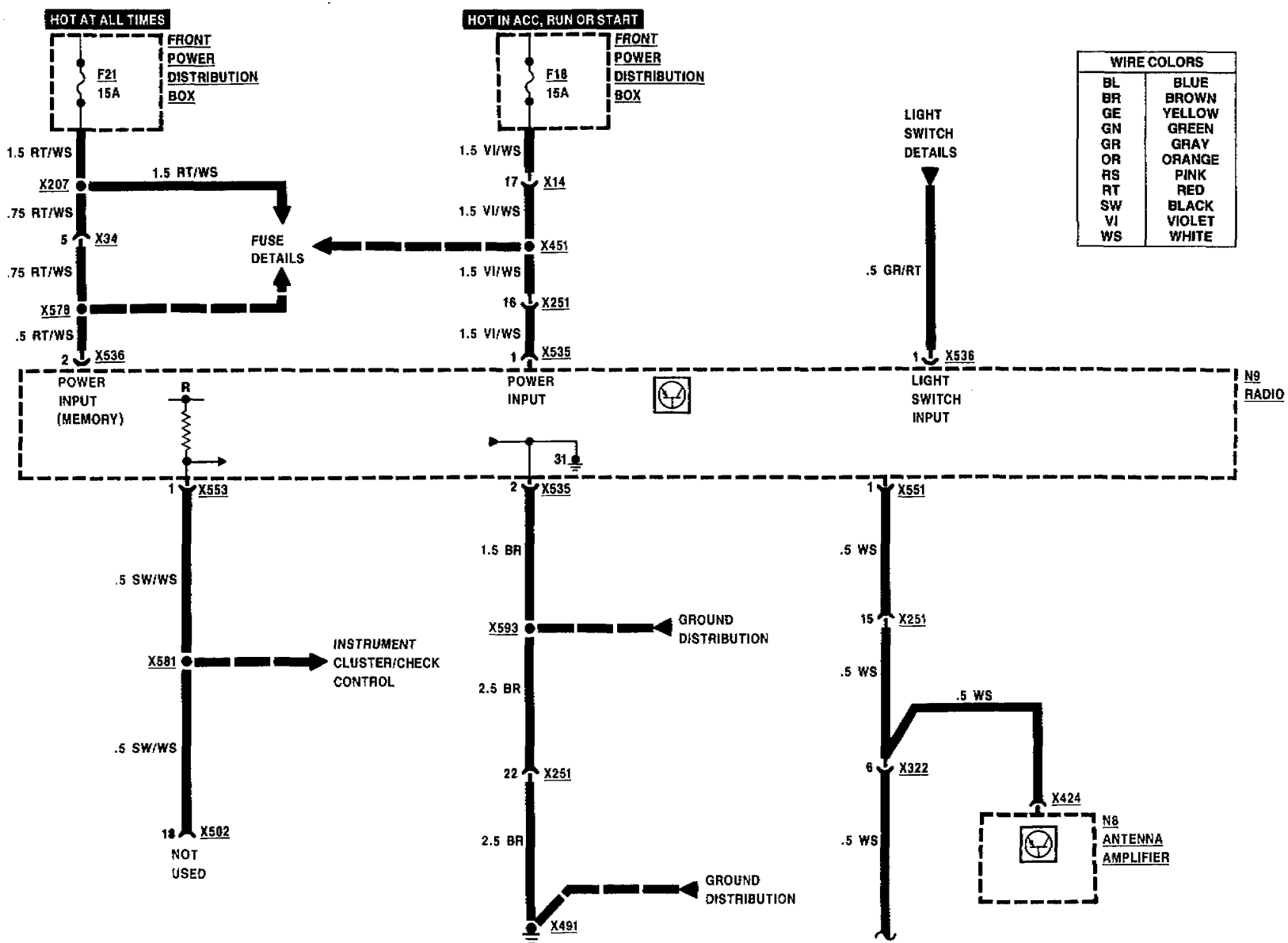
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FOR AUXILIARY FAN:
DIAGNOSIS,
REFER TO CELL 6450

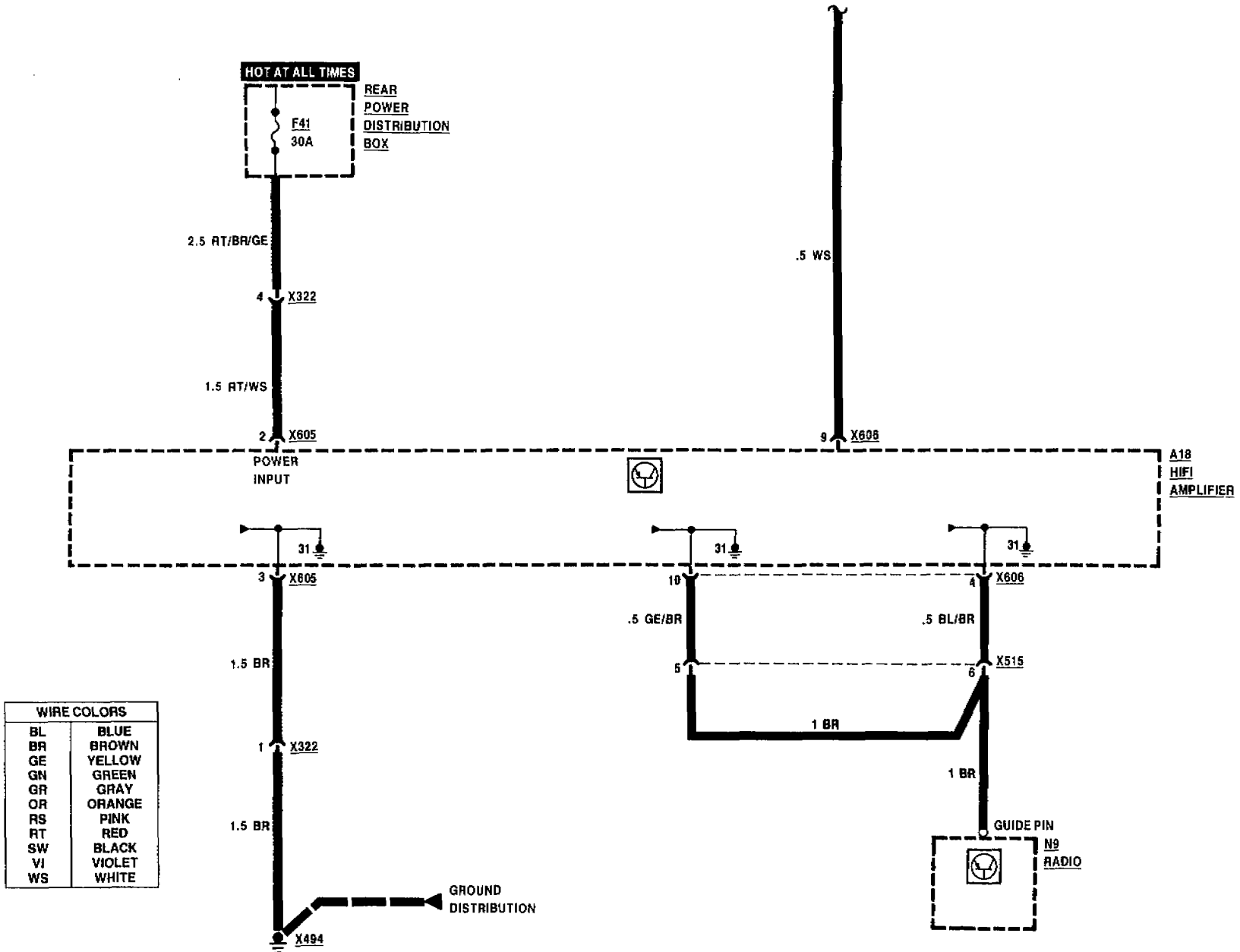
carplan.com

RADIO

RADIO WITH TEN SPEAKER SYSTEM



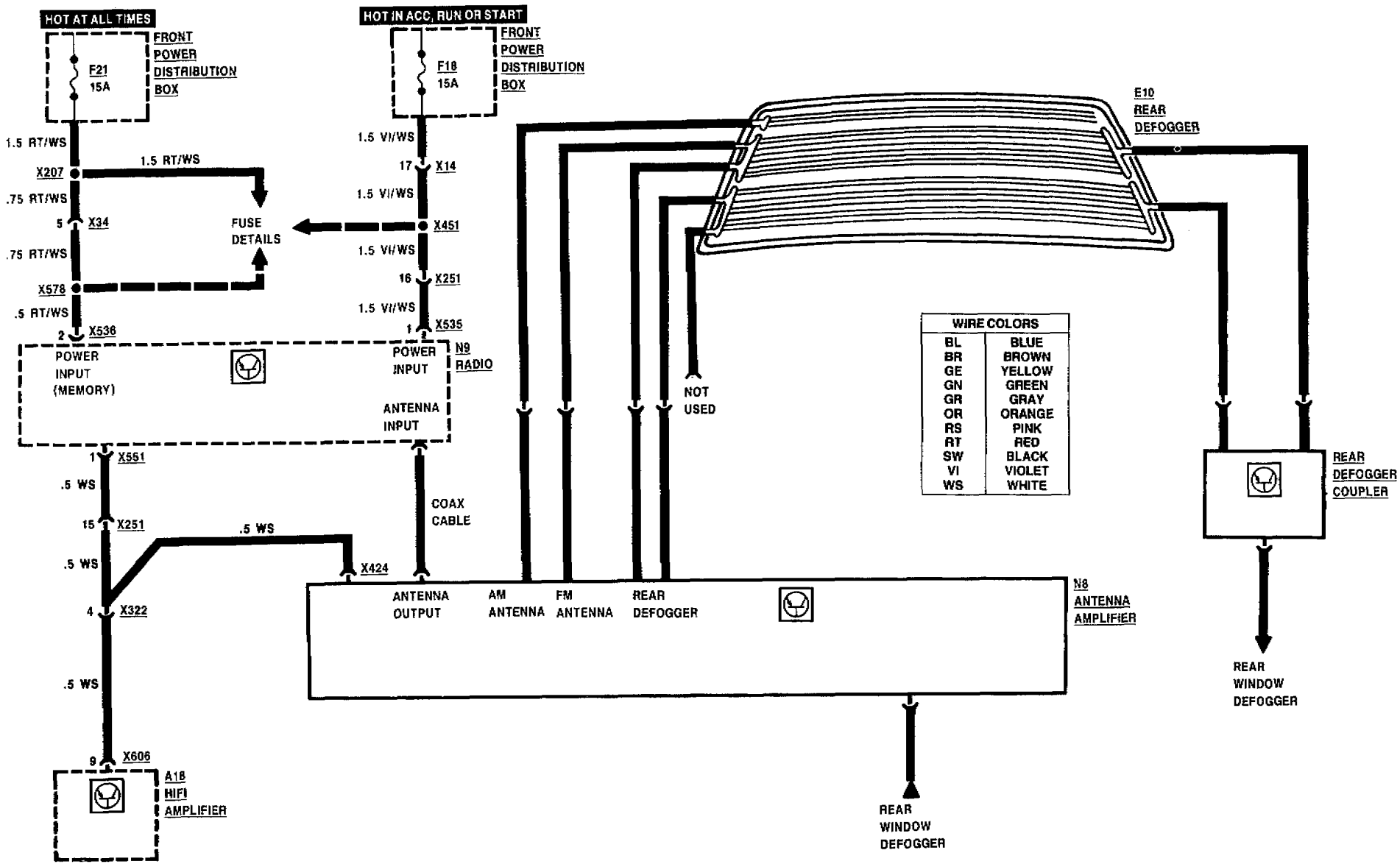
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RADIO

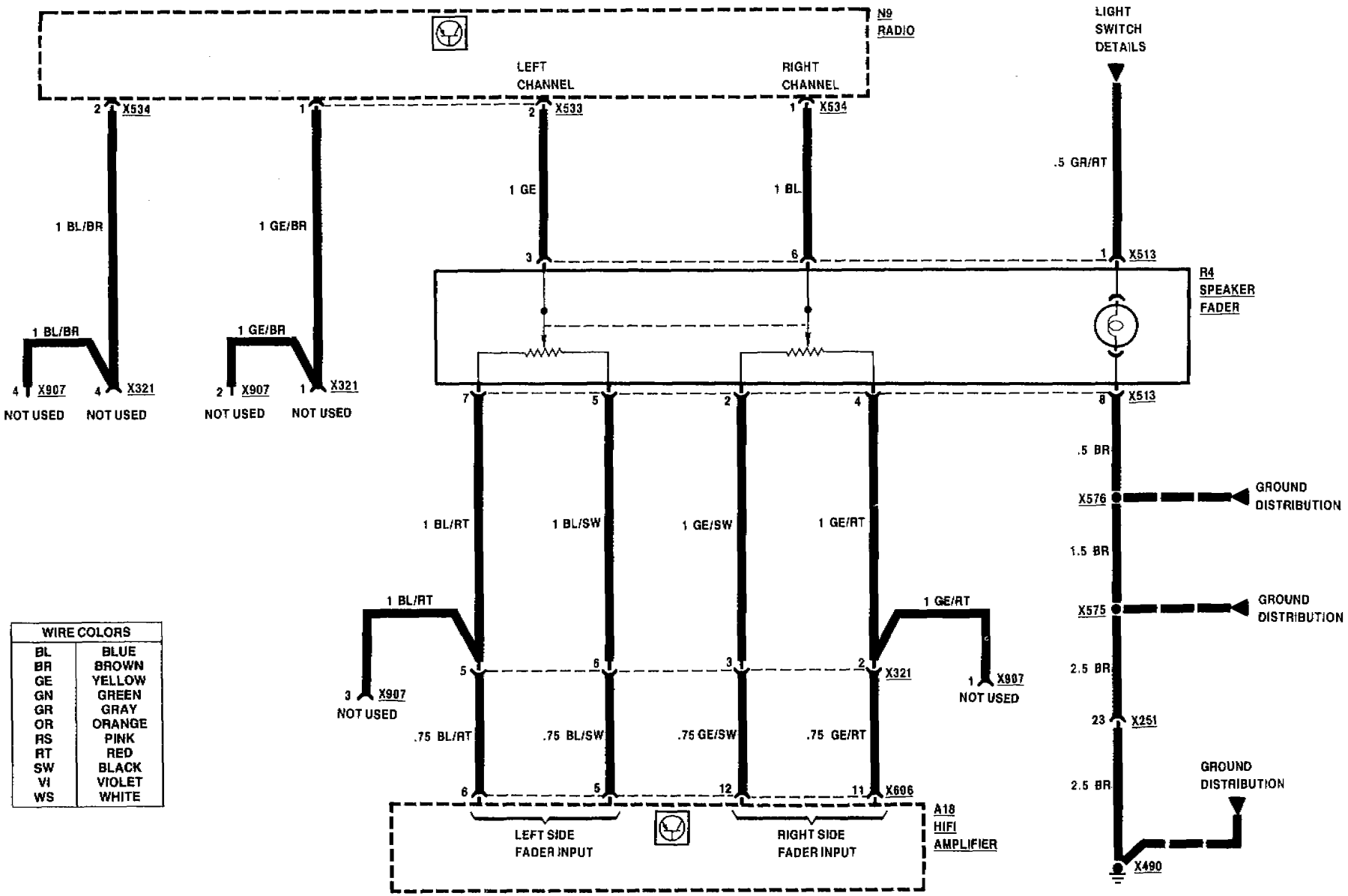
RADIO WITH TEN SPEAKER SYSTEM



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RADIO

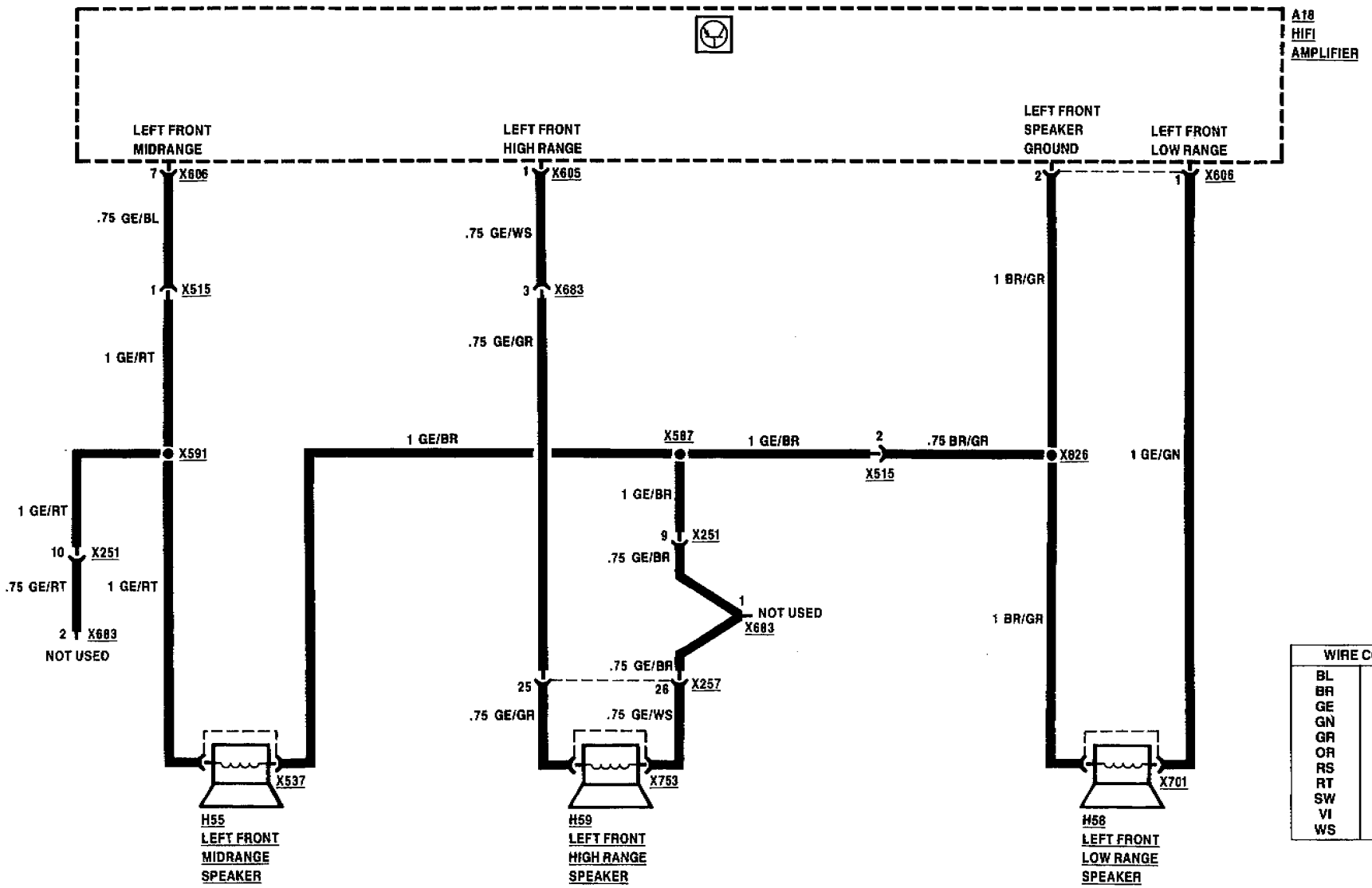
RADIO WITH TEN SPEAKER SYSTEM



WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
RS	PINK
RT	RED
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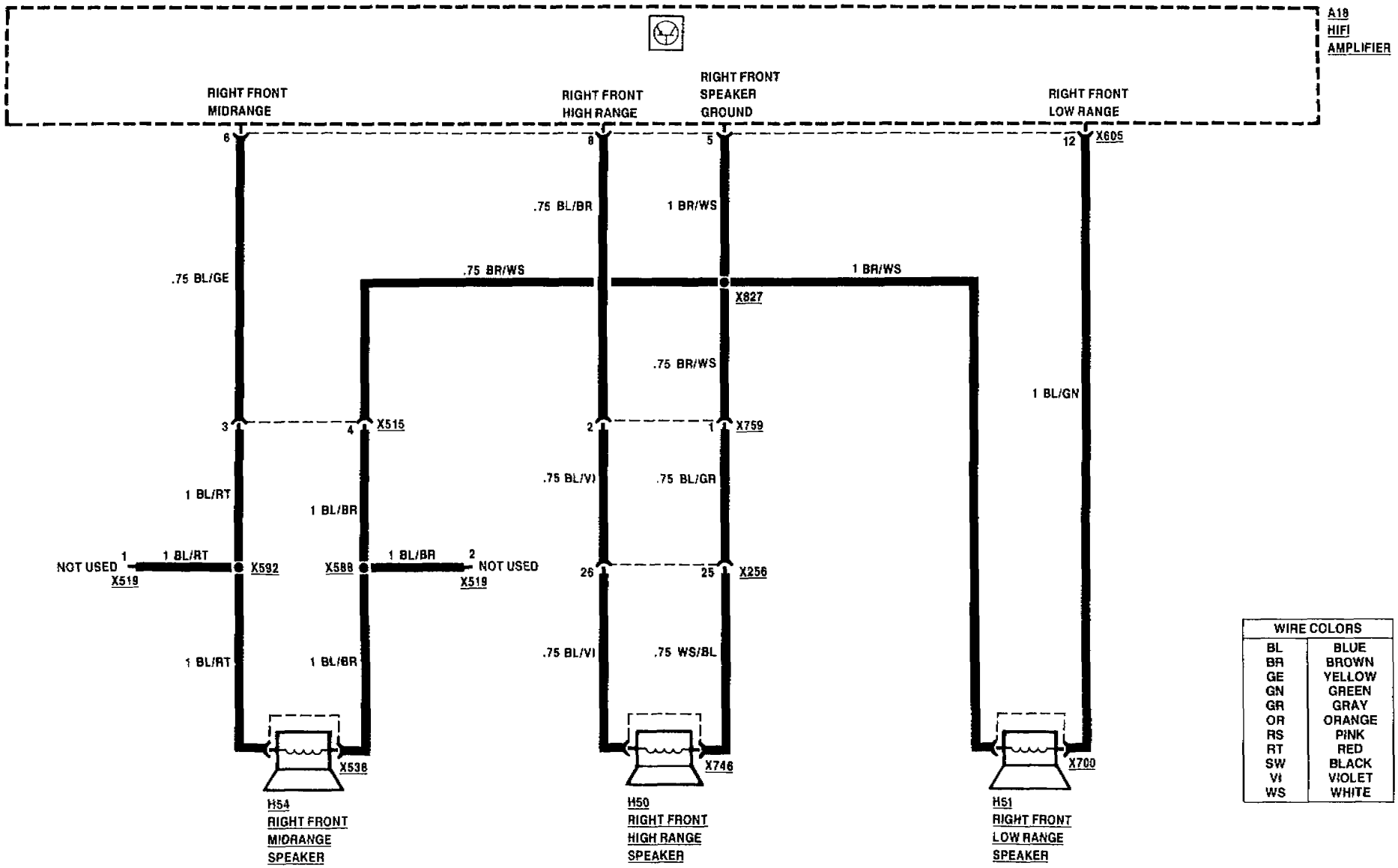
RADIO
TEN SPEAKER SYSTEM



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

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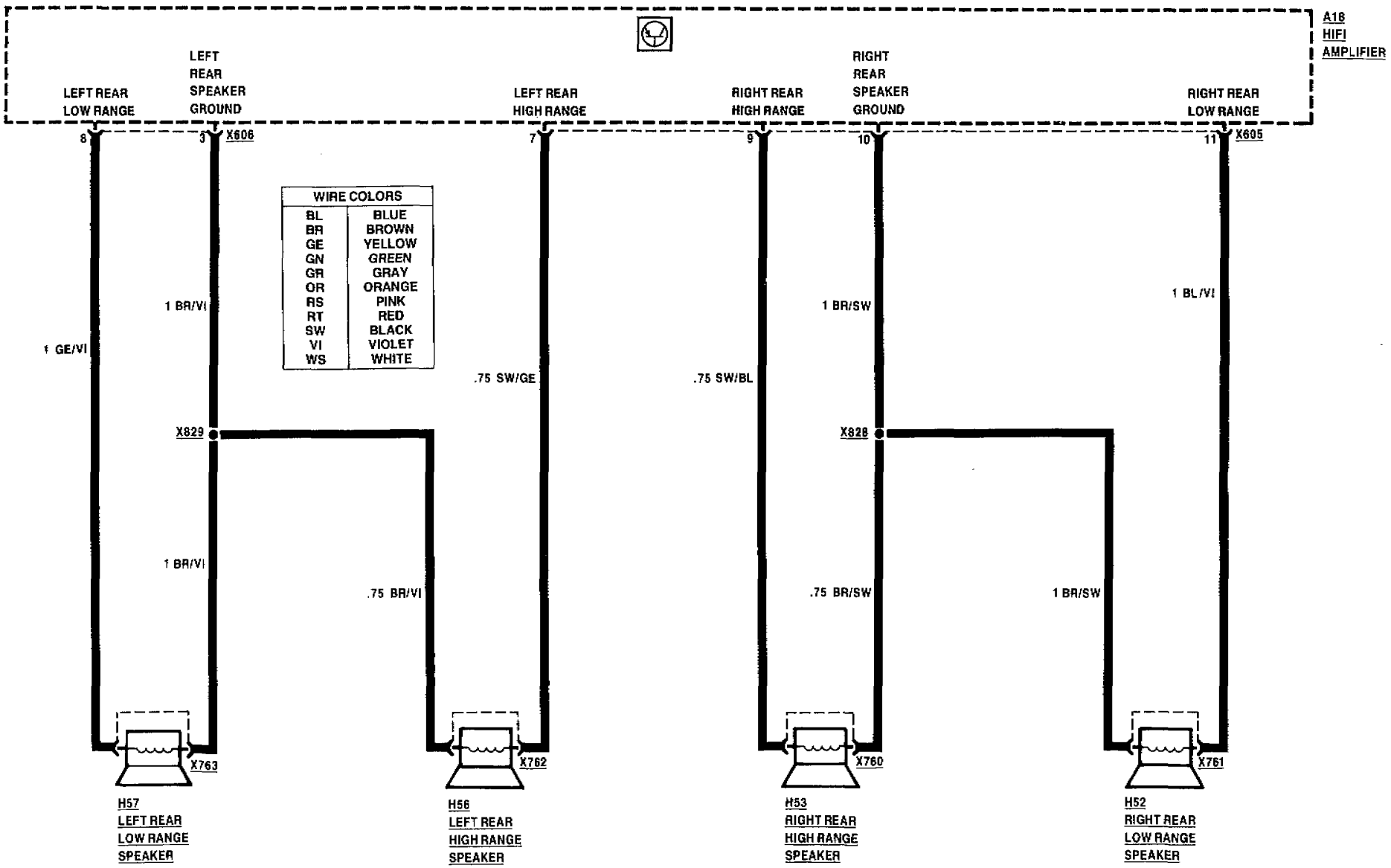
RADIO
TEN SPEAKER SYSTEM



WIRE COLORS	
BL	BLUE
BR	BROWN
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GN	GREEN
GR	GRAY
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RS	PINK
RT	RED
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WS	WHITE

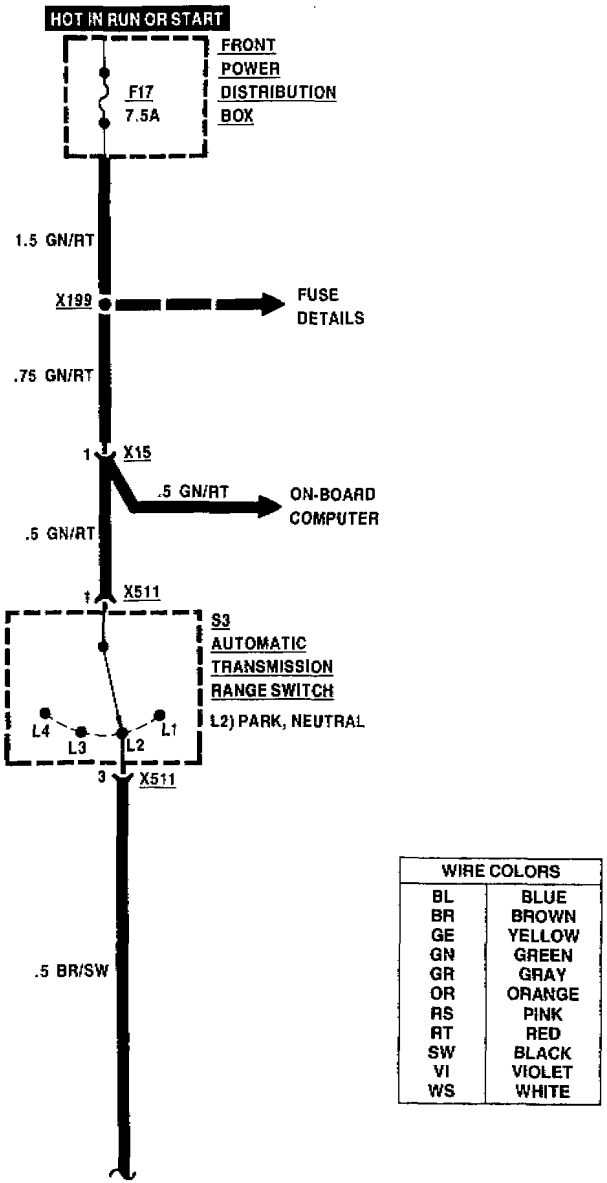
cardiagn.com

RADIO
TEN SPEAKER SYSTEM

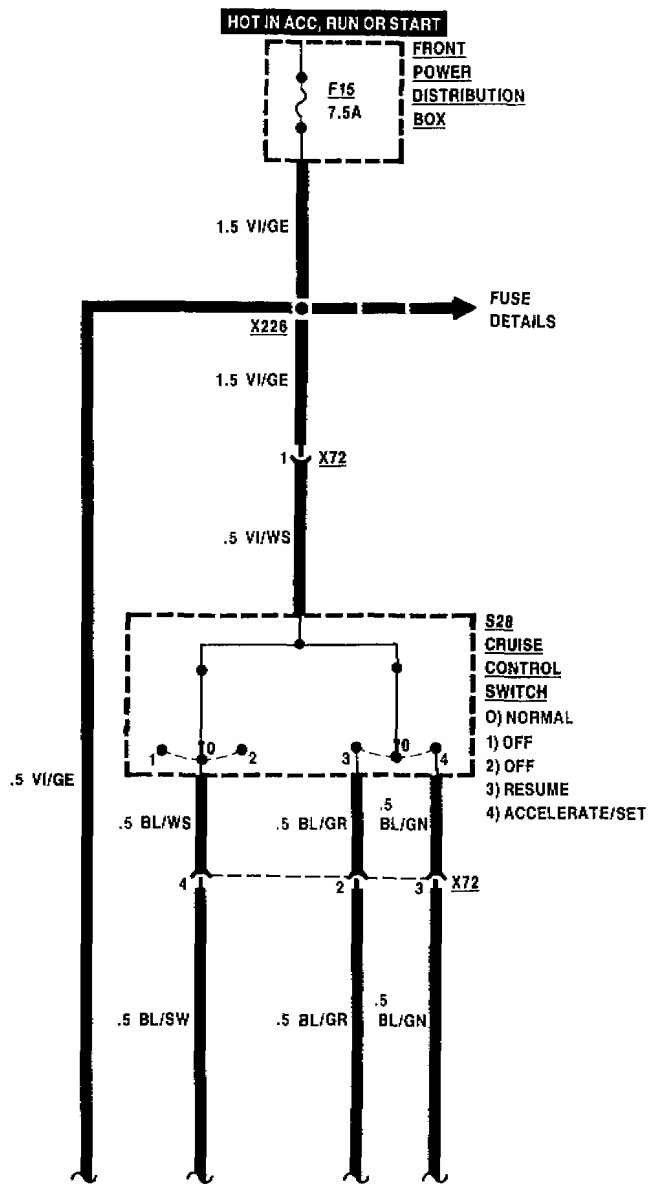


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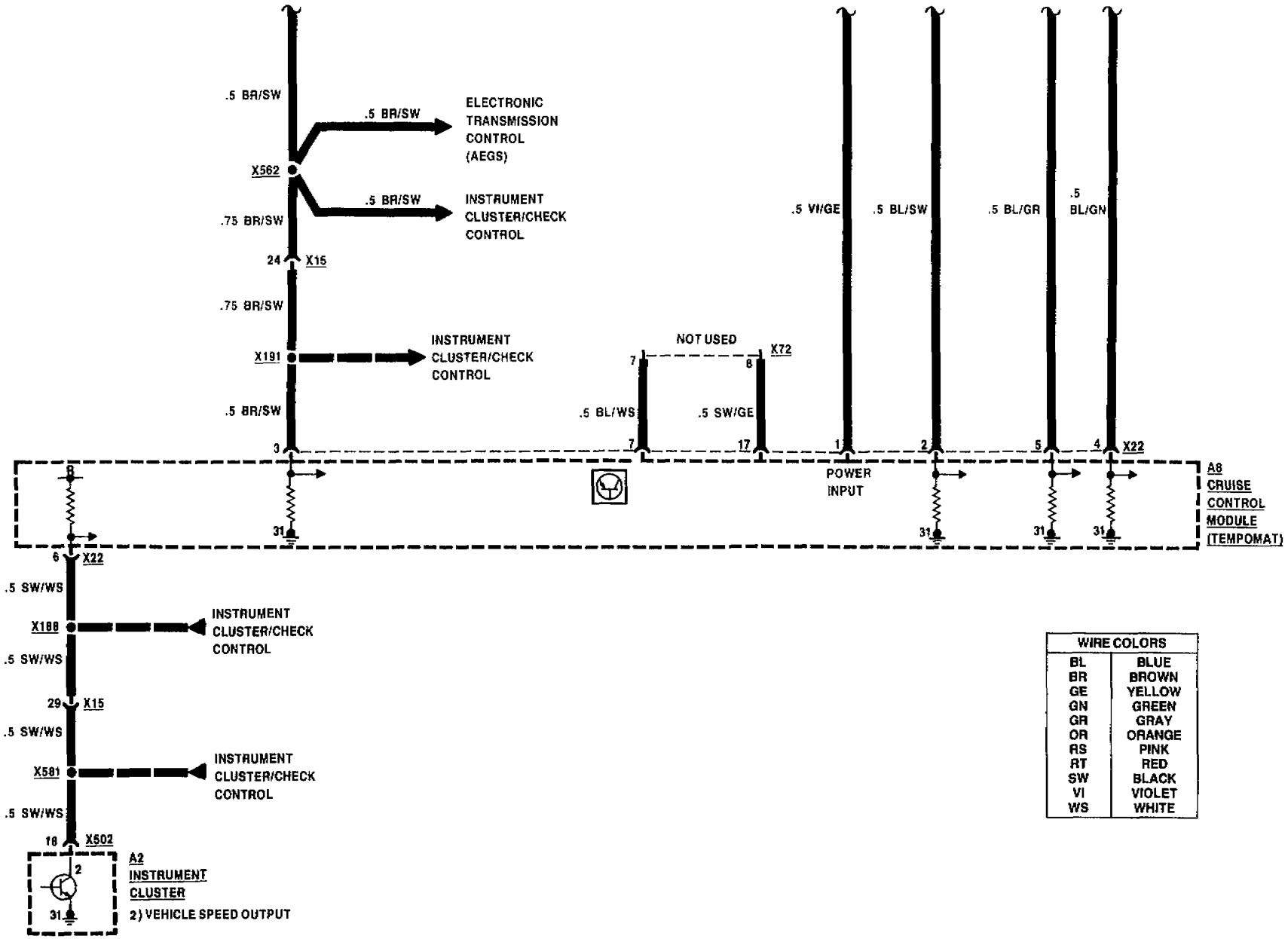
CRUISE CONTROL (TEMPOMAT)



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



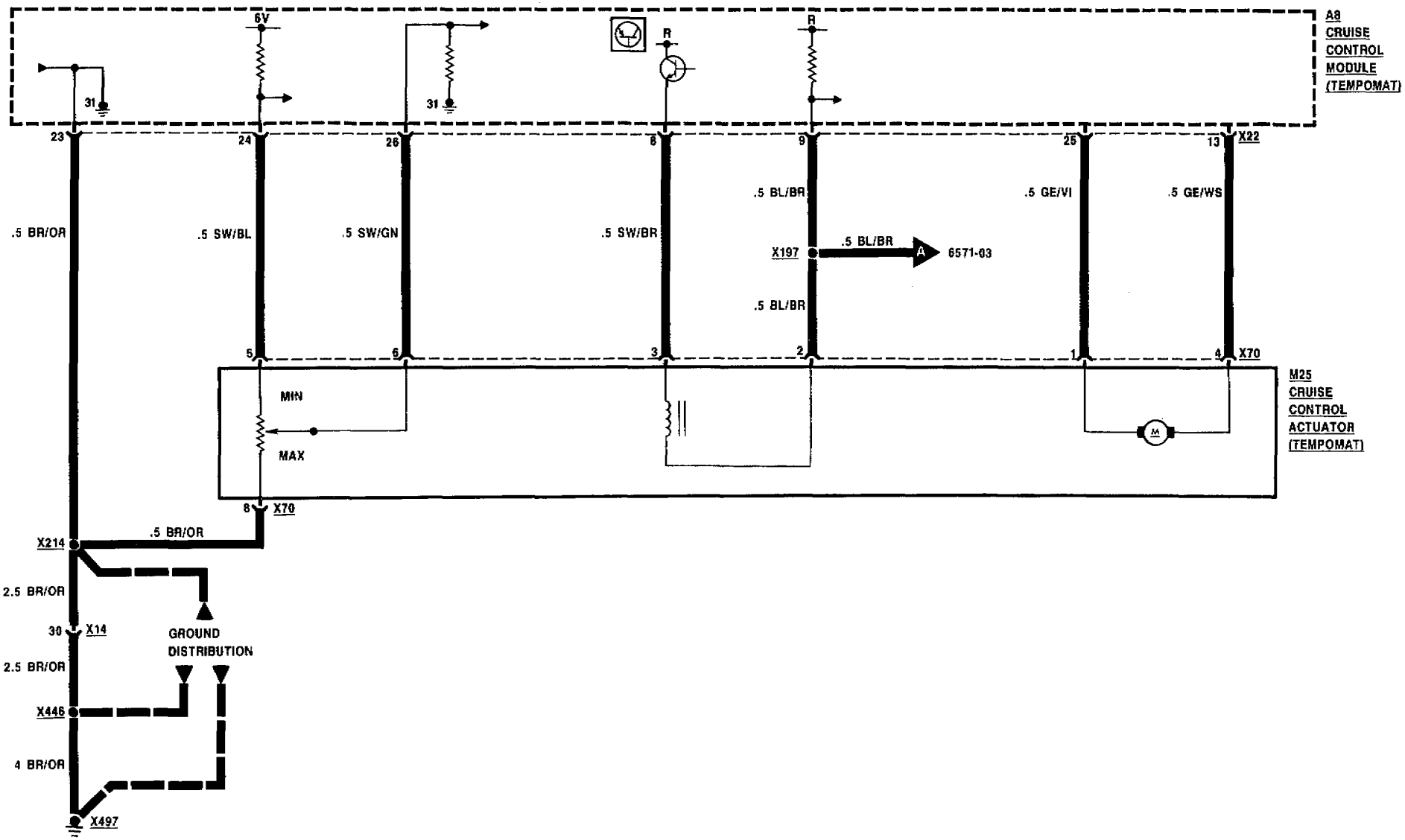
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WIRE COLORS	
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VI	VIOLET
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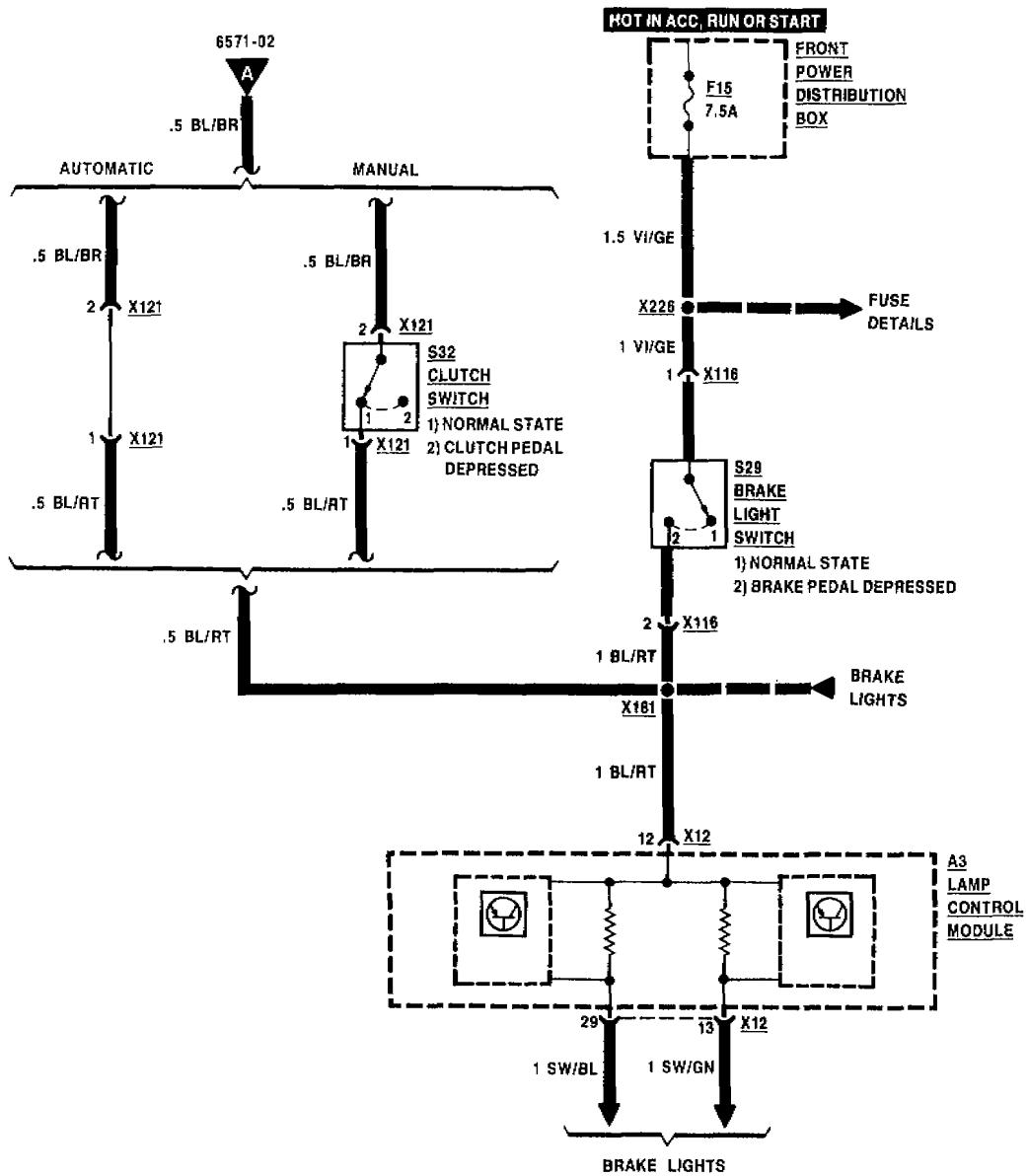
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CRUISE CONTROL (TEMPOMAT)



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CRUISE CONTROL (TEMPOMAT)

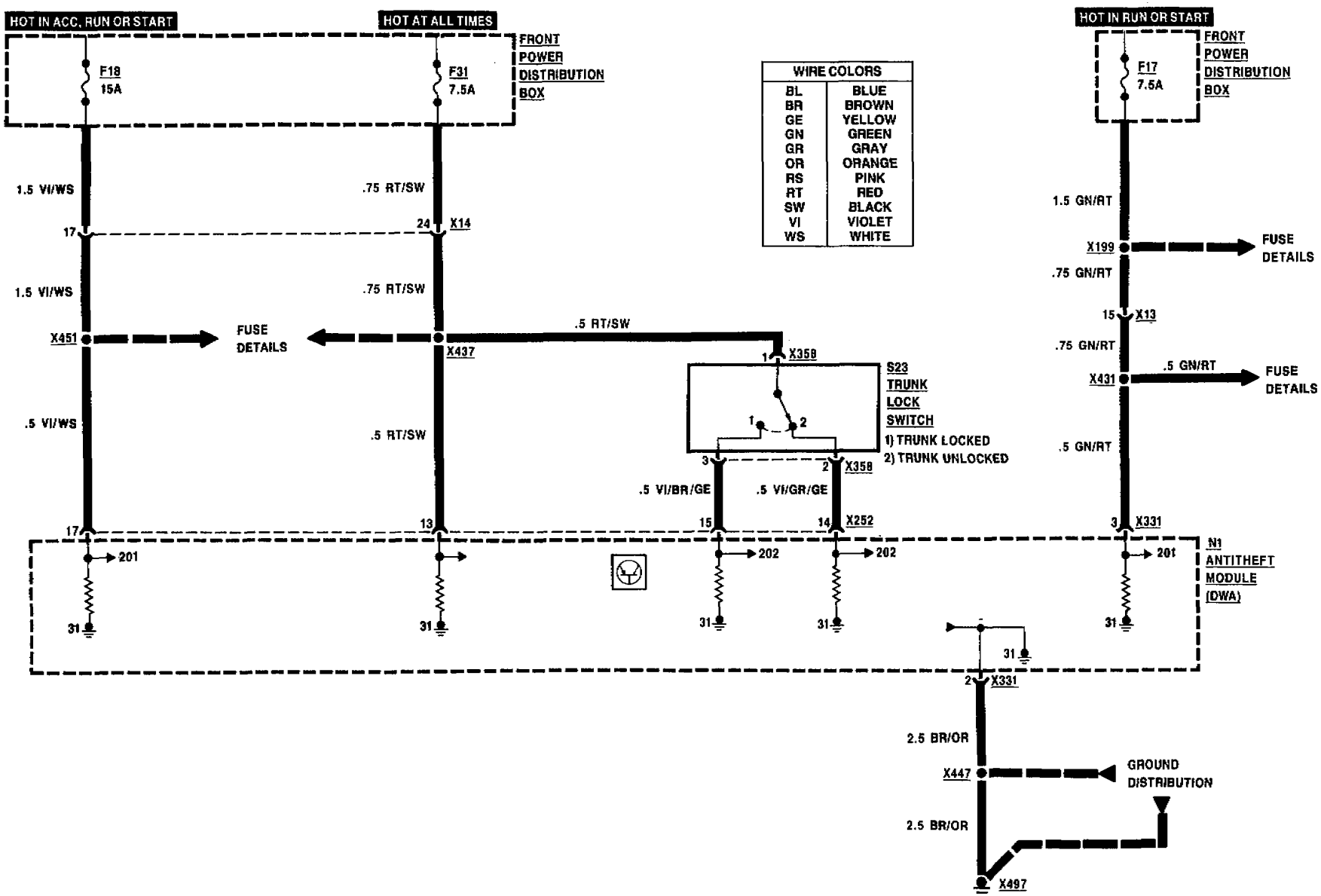


WIRE COLORS	
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GE	YELLOW
GN	GREEN
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OR	ORANGE
RS	PINK
RT	RED
SW	BLACK
VI	VIOLET
WS	WHITE

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ANTITHEFT SYSTEM (DWA)

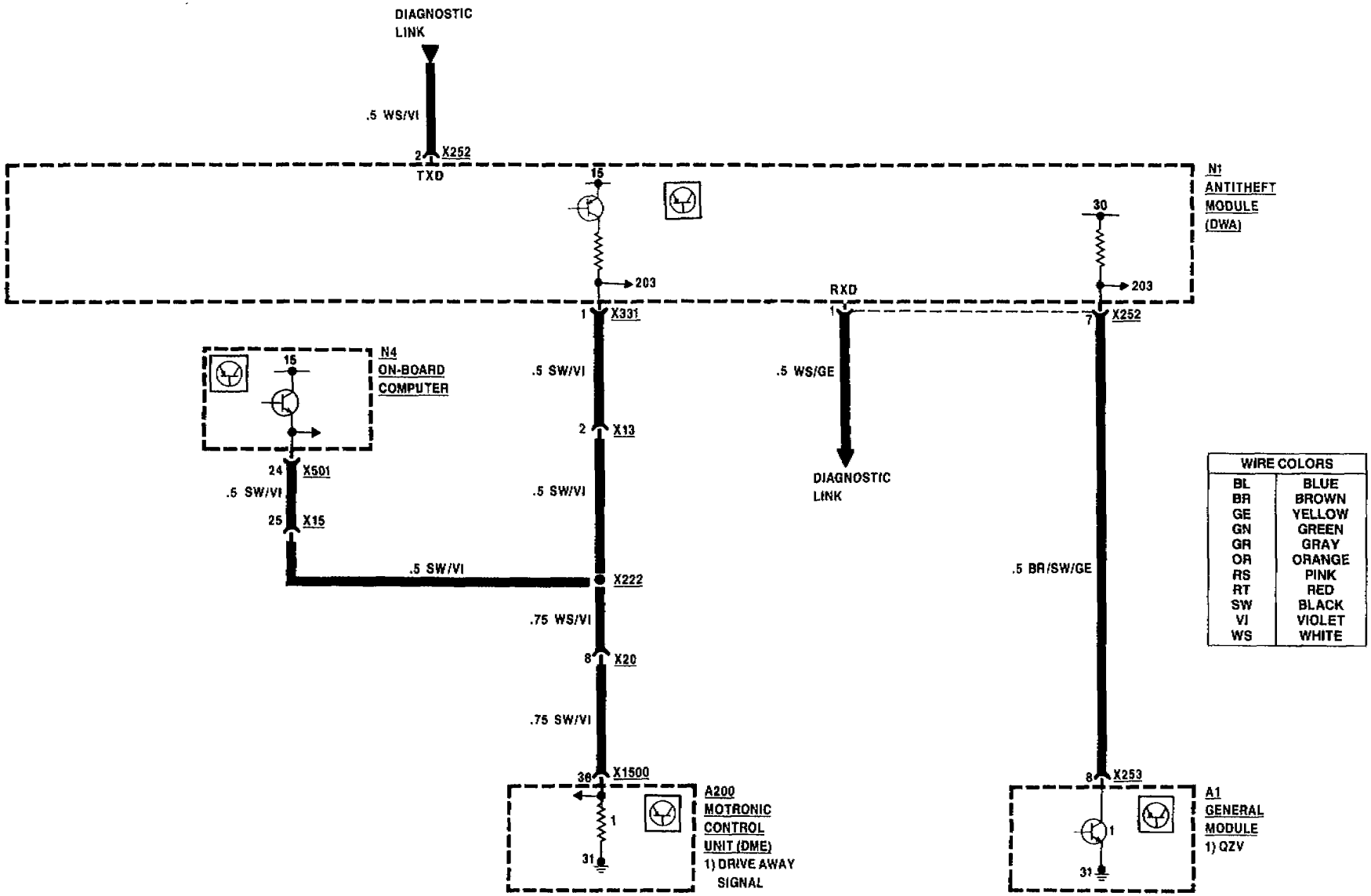
POWER, TRUNK INPUT



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ANTITHEFT SYSTEM (DWA)

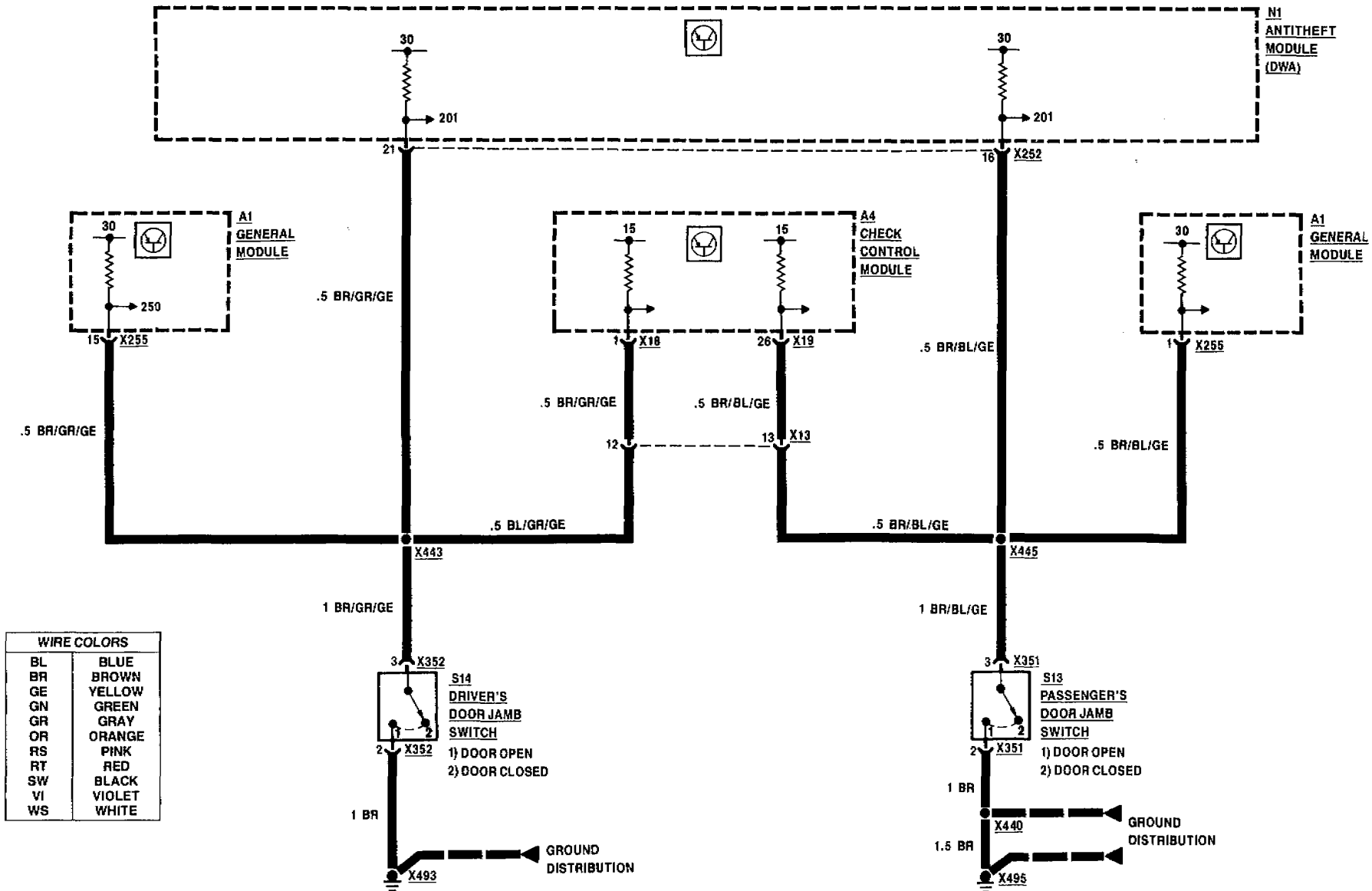
DIAGNOSTIC LINK, DRIVE AWAY PROTECTION, QZV



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ANTITHEFT SYSTEM (DWA)

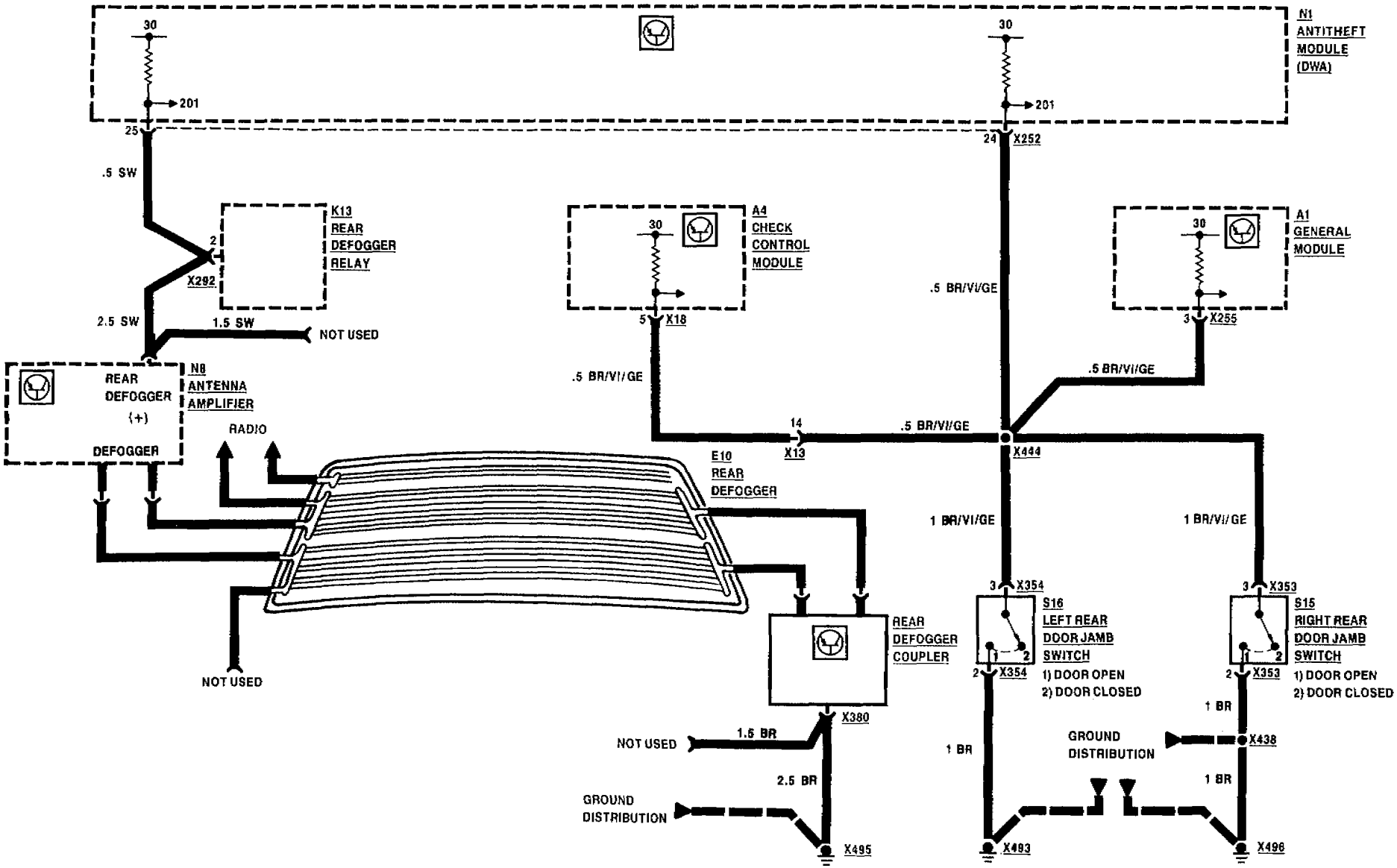
FRONT DOOR JAMB SWITCHES



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ANTITHEFT SYSTEM (DWA)

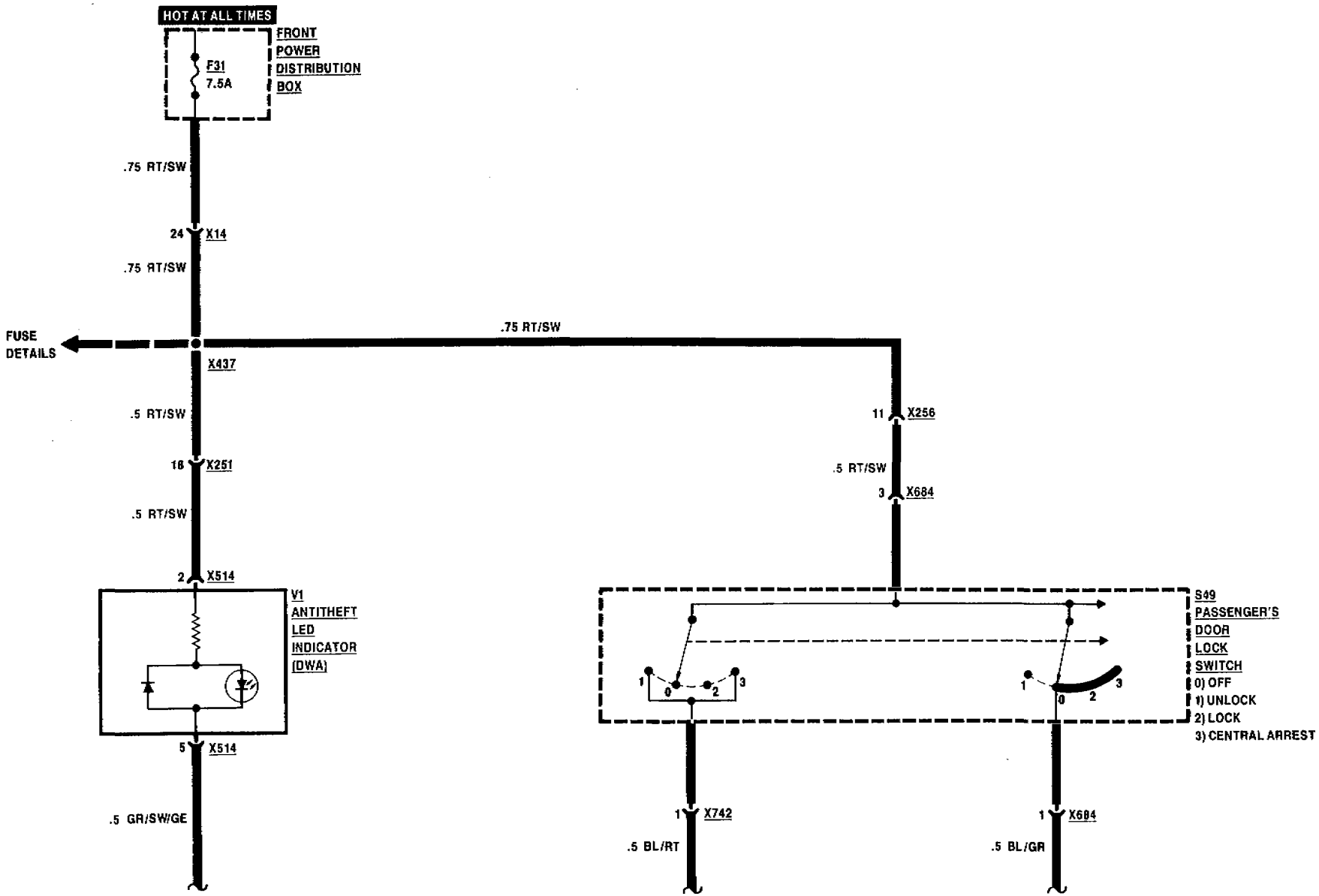
REAR DOOR AND REAR WINDOW PROTECTION



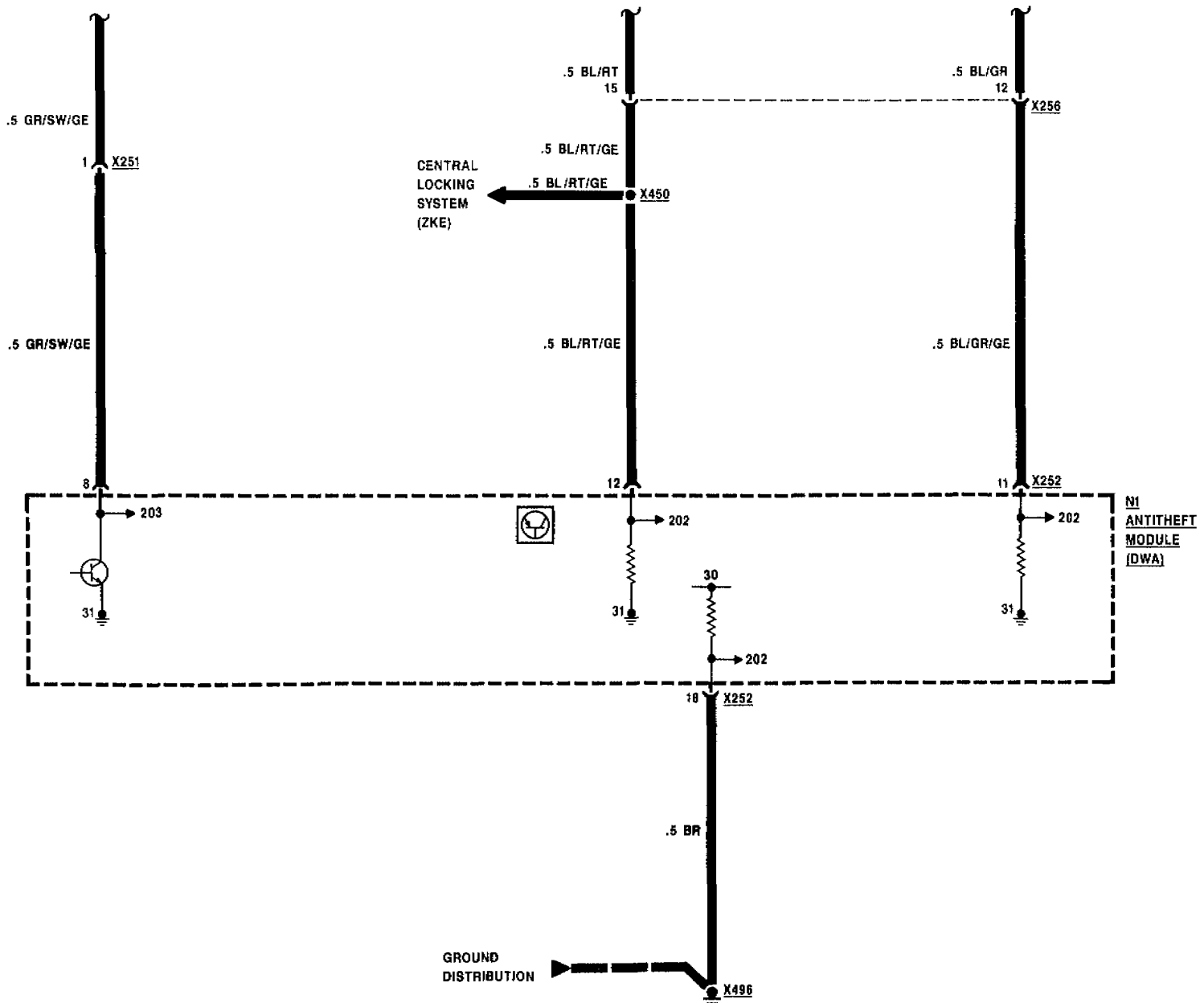
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ANTITHEFT SYSTEM (DWA)

CODING PLUG, INDICATOR, PASSENGER'S DOOR INPUTS



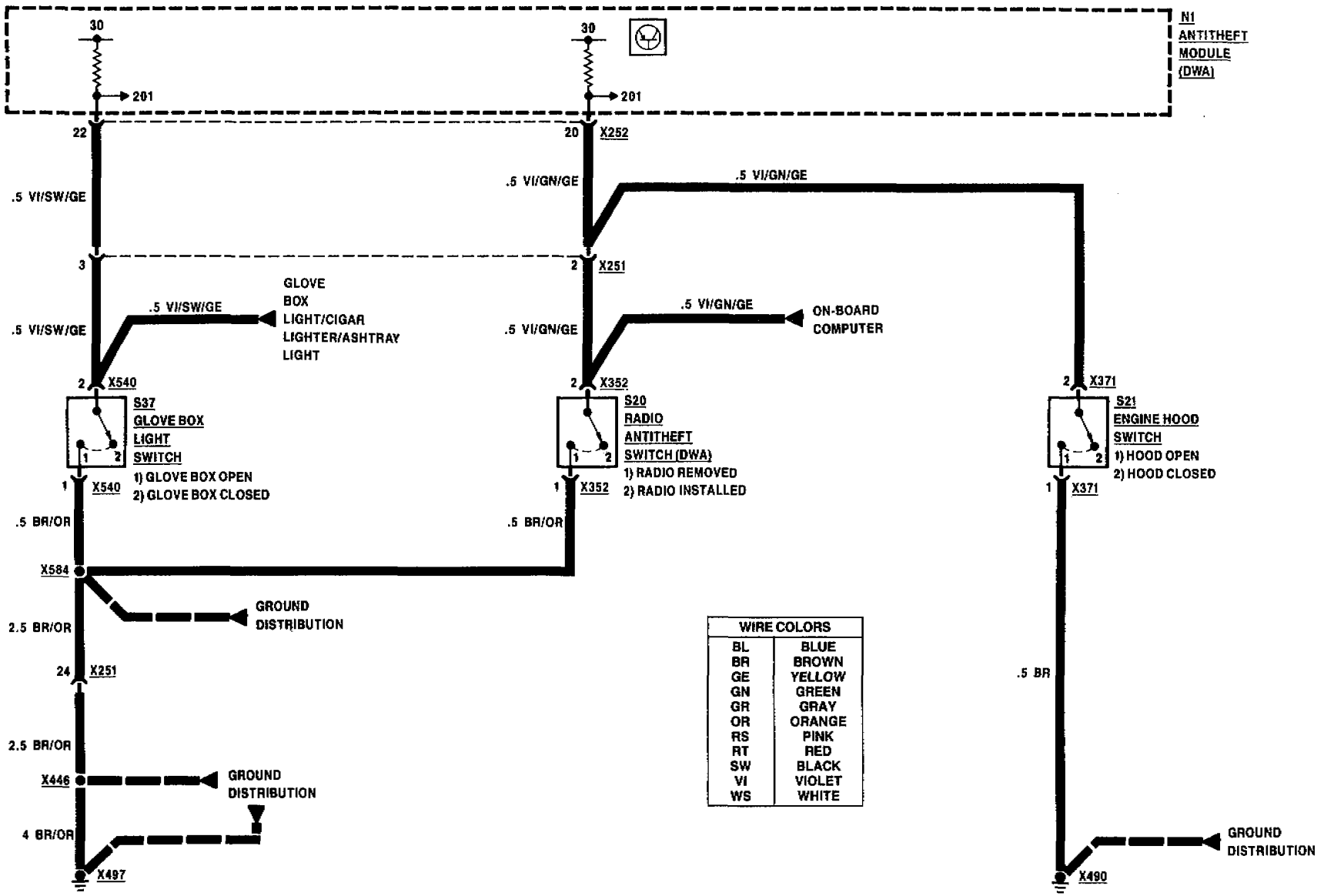
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ANTITHEFT SYSTEM (DWA)

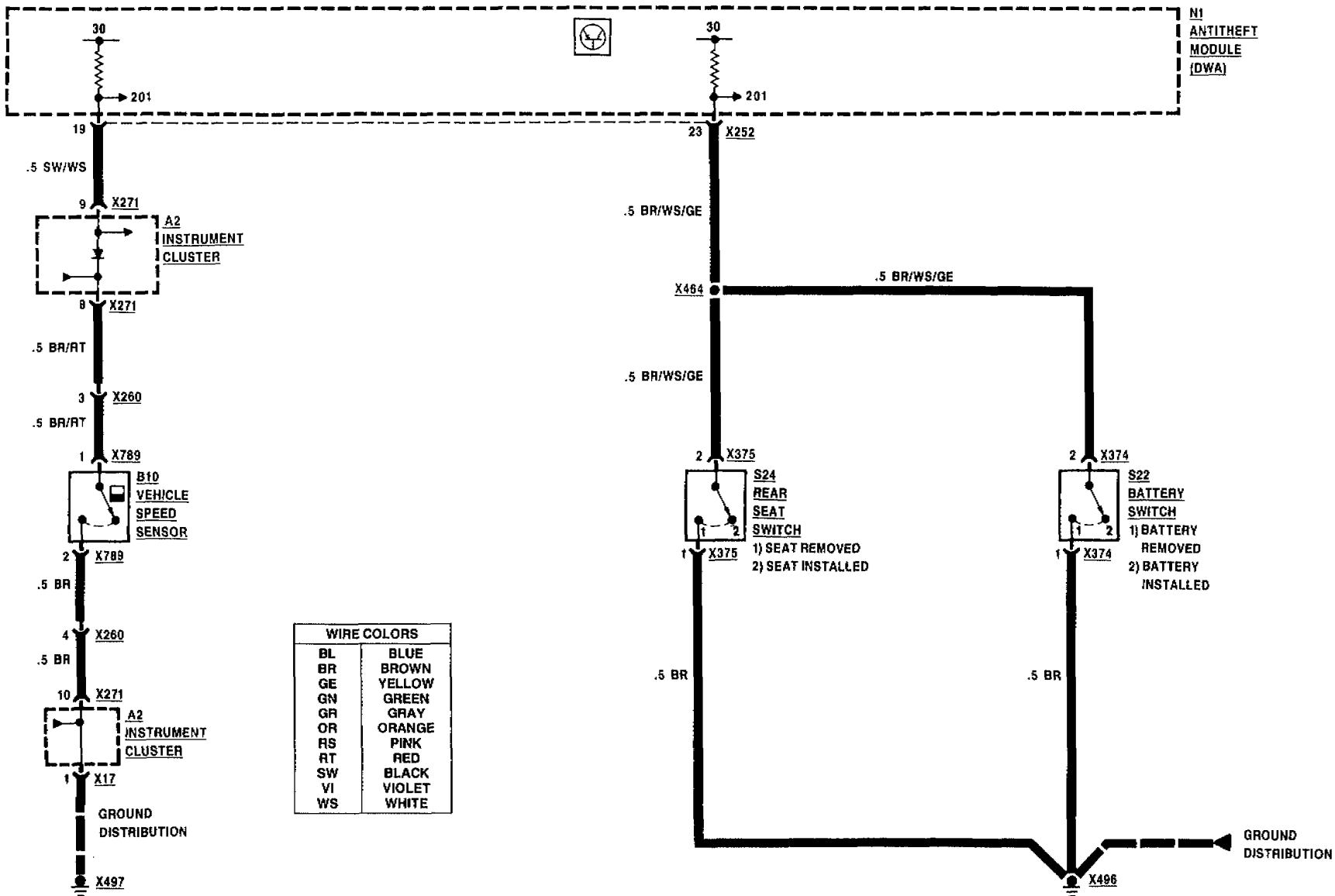
GLOVE BOX, RADIO, ENGINE HOOD INPUTS



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ANTITHEFT SYSTEM (DWA)

BATTERY, REAR SEAT, MOTION INPUTS

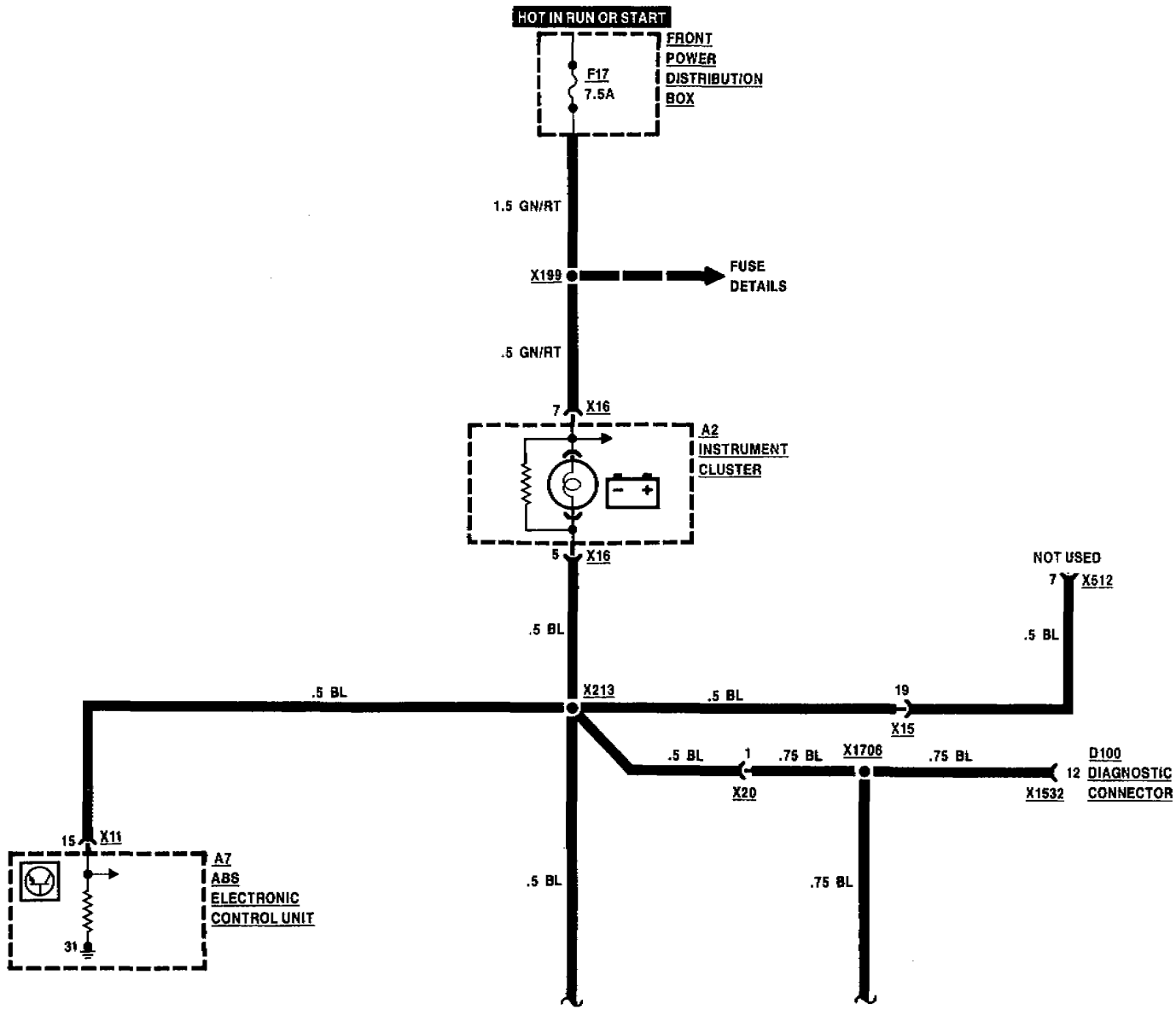


WIRE COLORS	
BL	BLUE
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GE	YELLOW
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RS	PINK
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SW	BLACK
VI	VIOLET
WS	WHITE

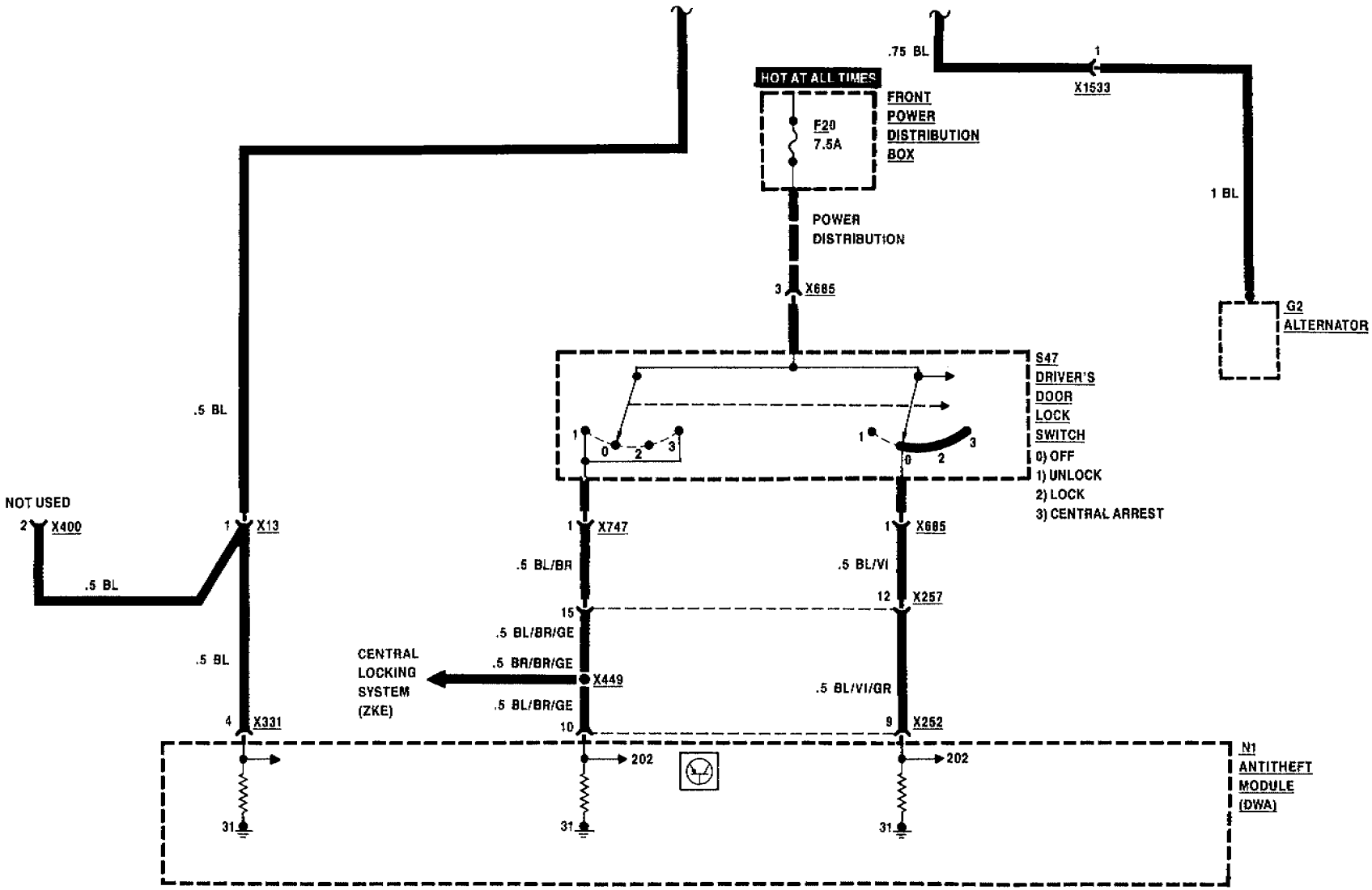
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ANTITHEFT SYSTEM (DWA)

ENGINE RUNNING INPUT, DRIVER'S DOOR INPUTS



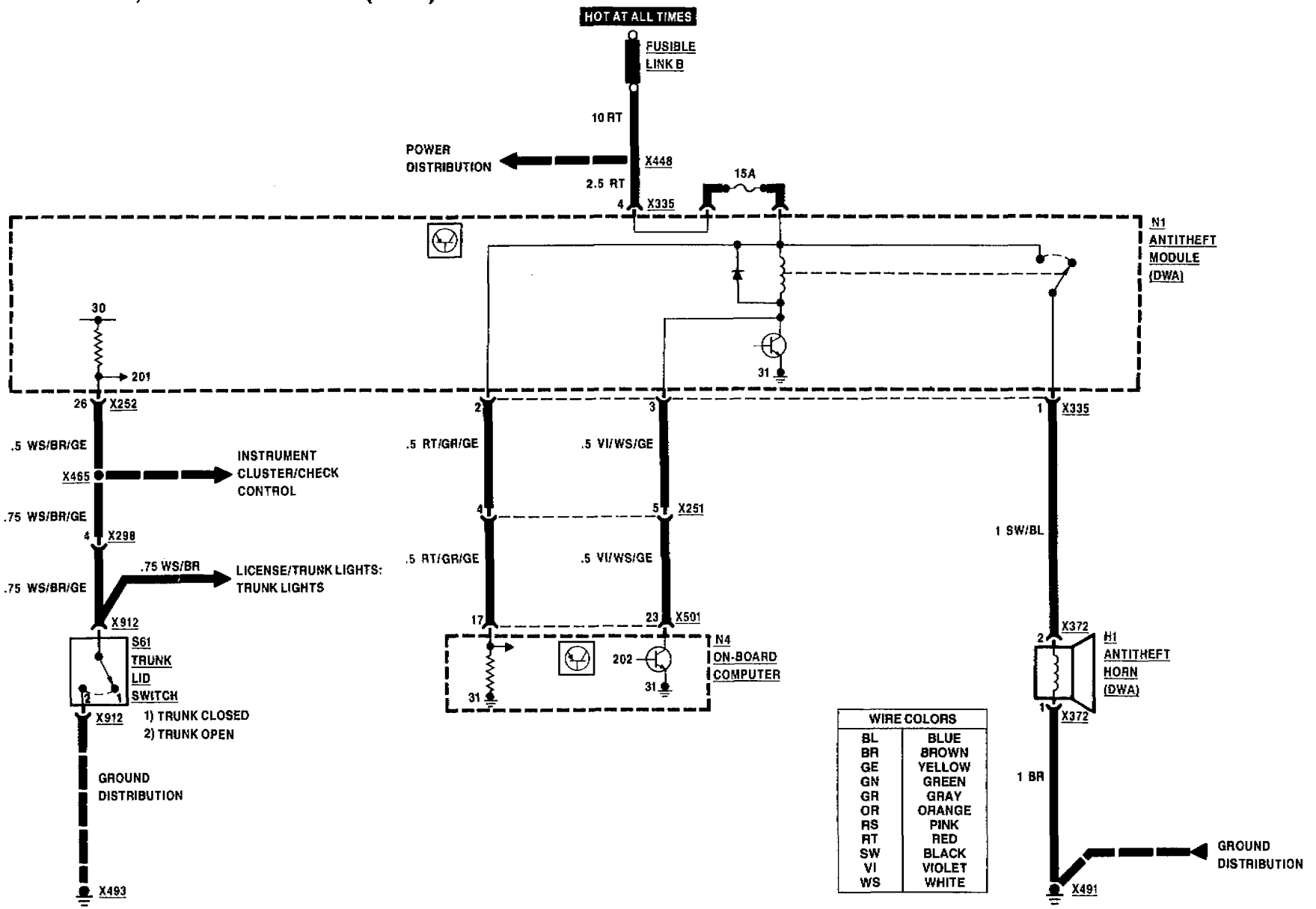
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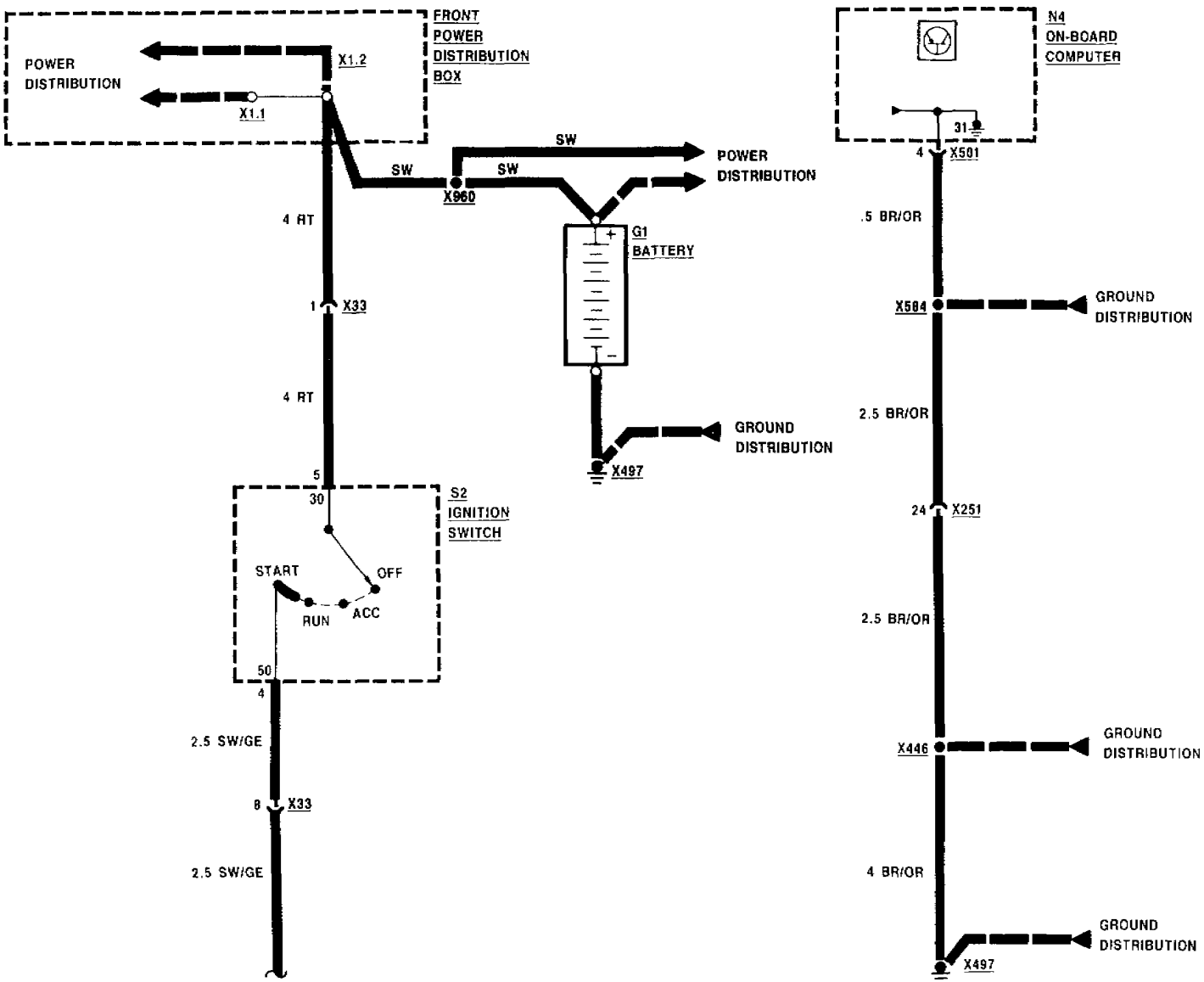
ANTITHEFT SYSTEM (DWA)

TRUNK INPUT, ANTITHEFT HORN (DWA)

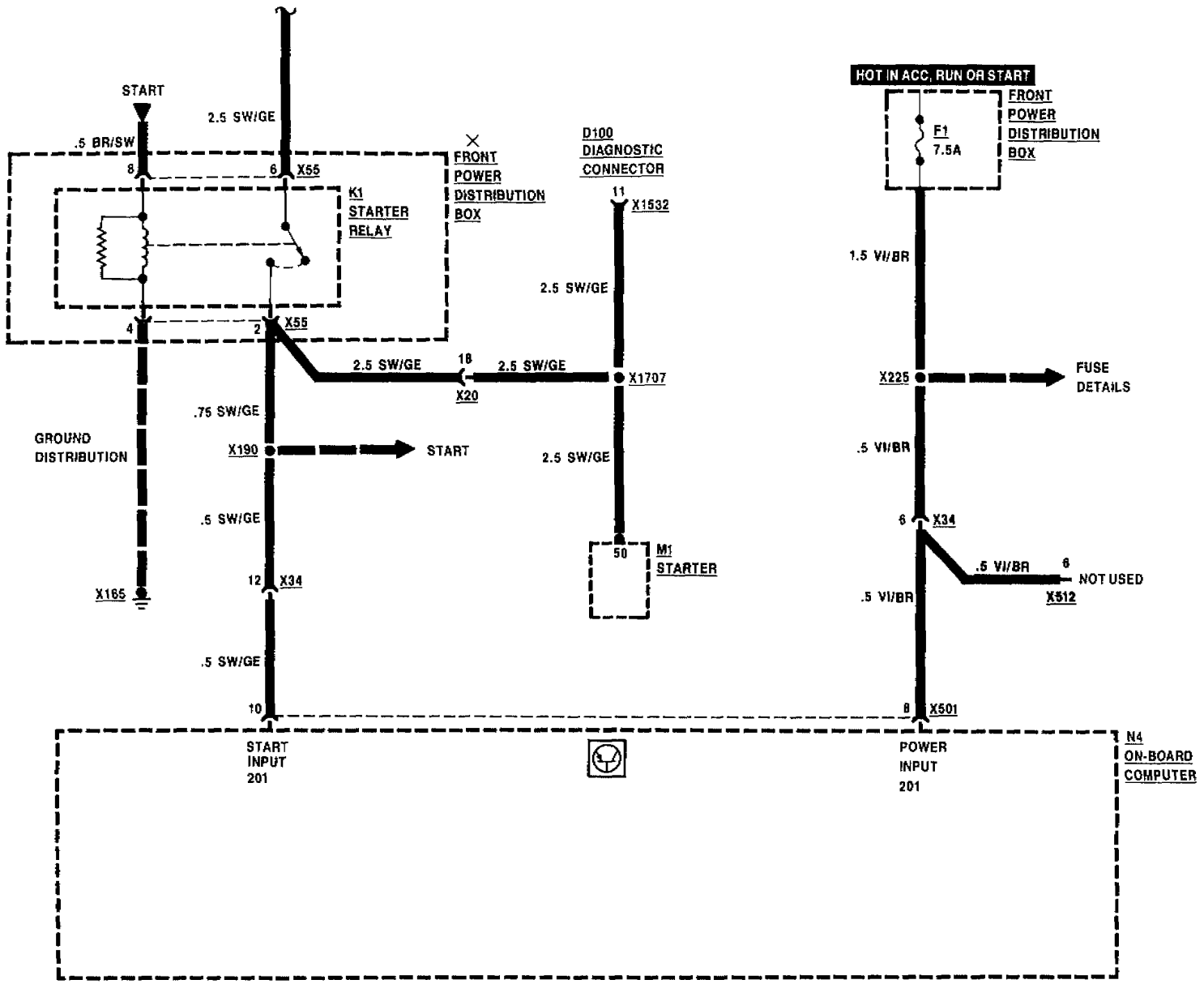


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ON-BOARD COMPUTER



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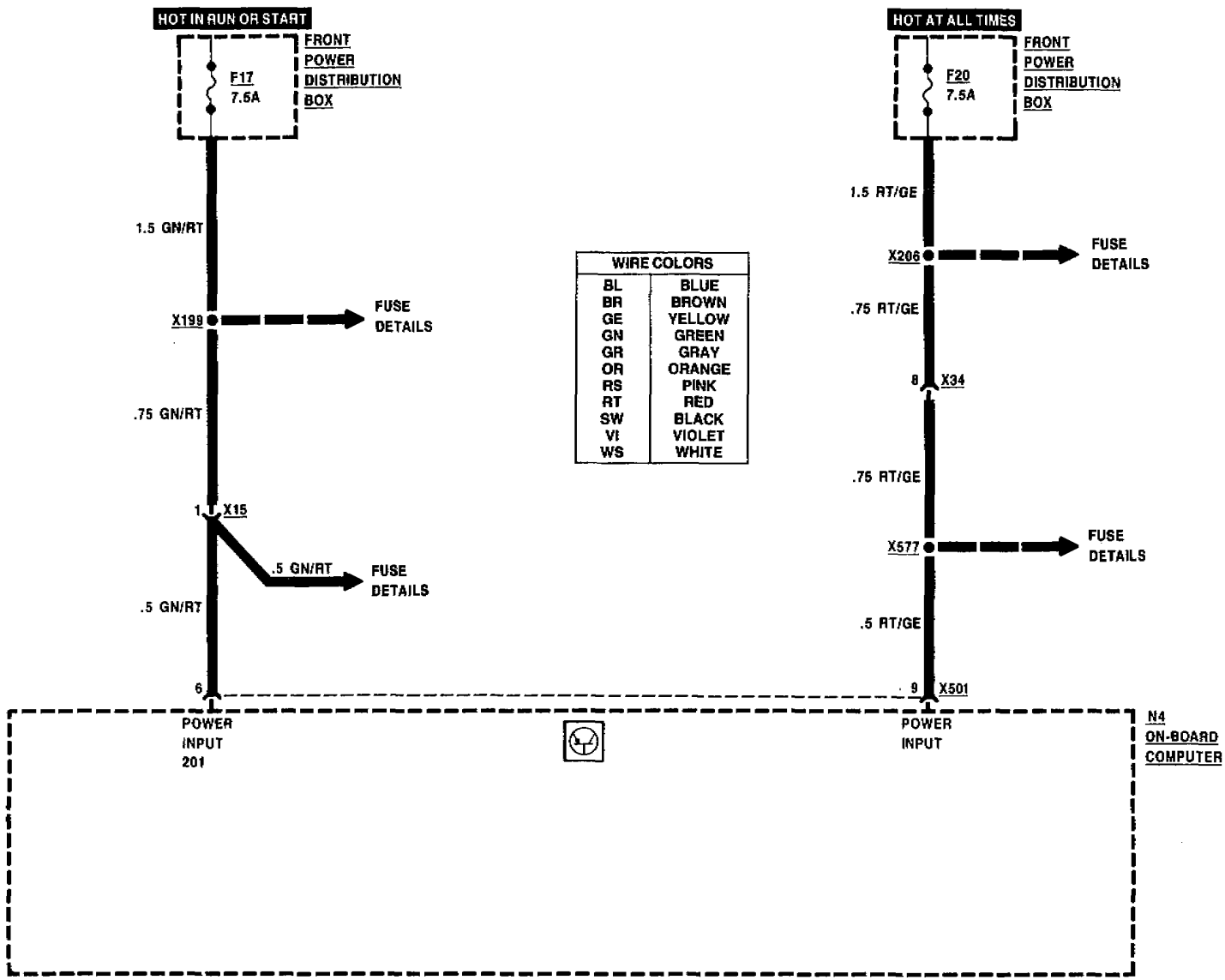


WIRE COLORS	
BL	BLUE
BR	BROWN
GE	YELLOW
GN	GREEN
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× FOR MANUAL TRANSMISSION WIRING, SEE START

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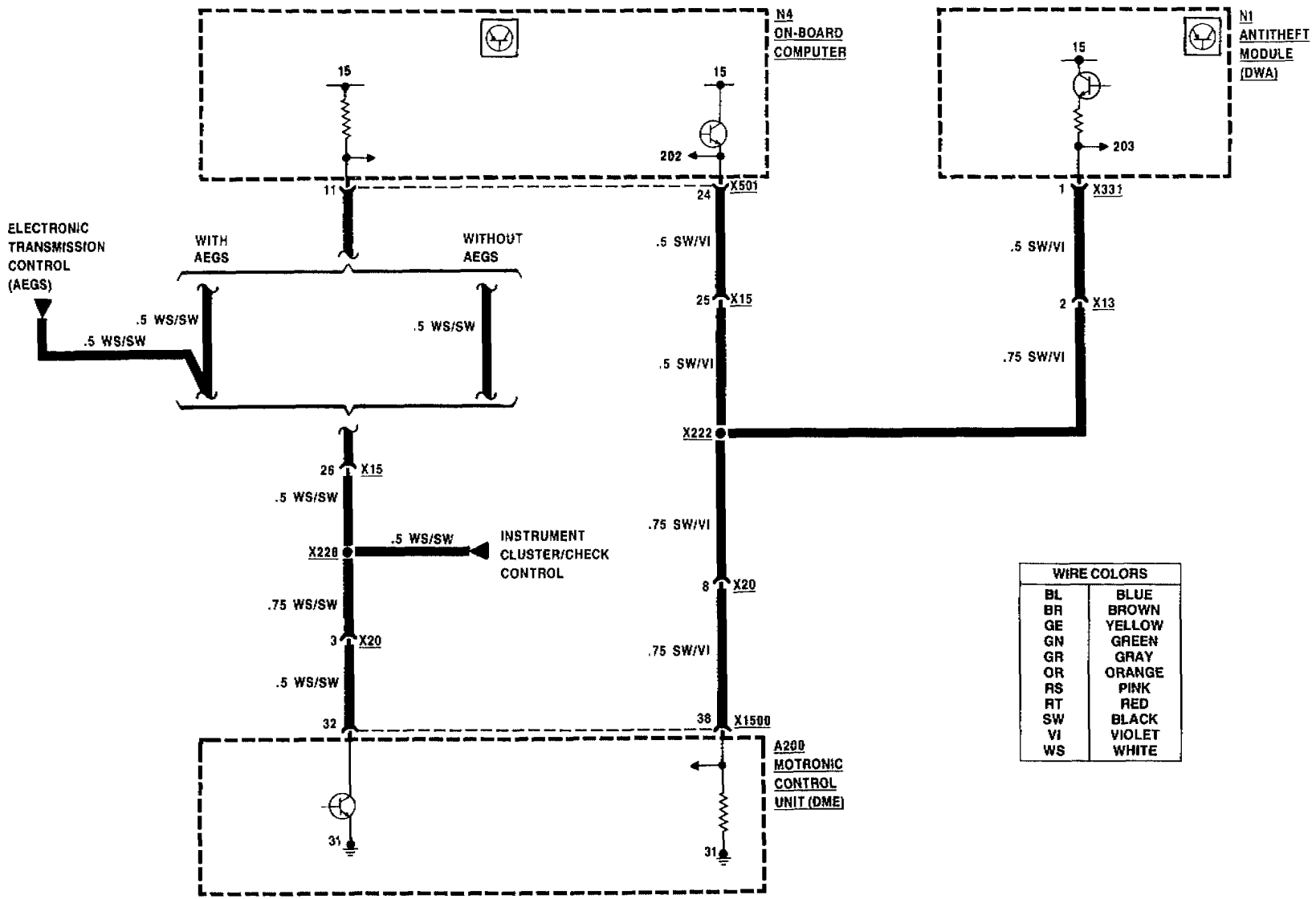
ON-BOARD COMPUTER



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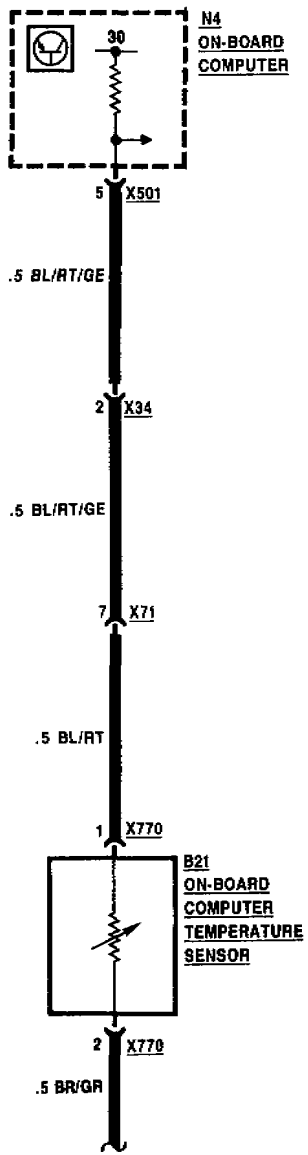
ON-BOARD COMPUTER

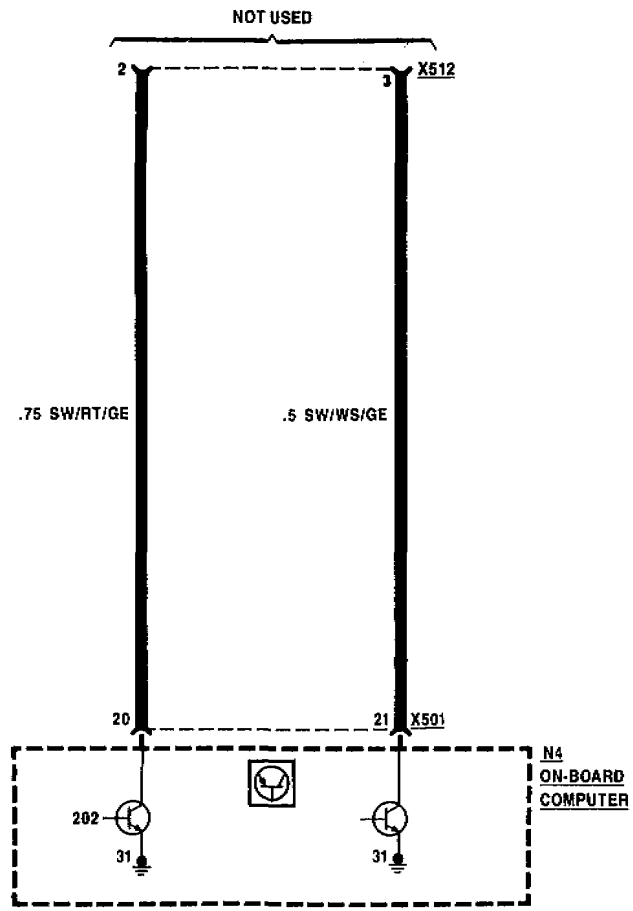
INJECTION SIGNAL, DRIVING AWAY PROTECTION



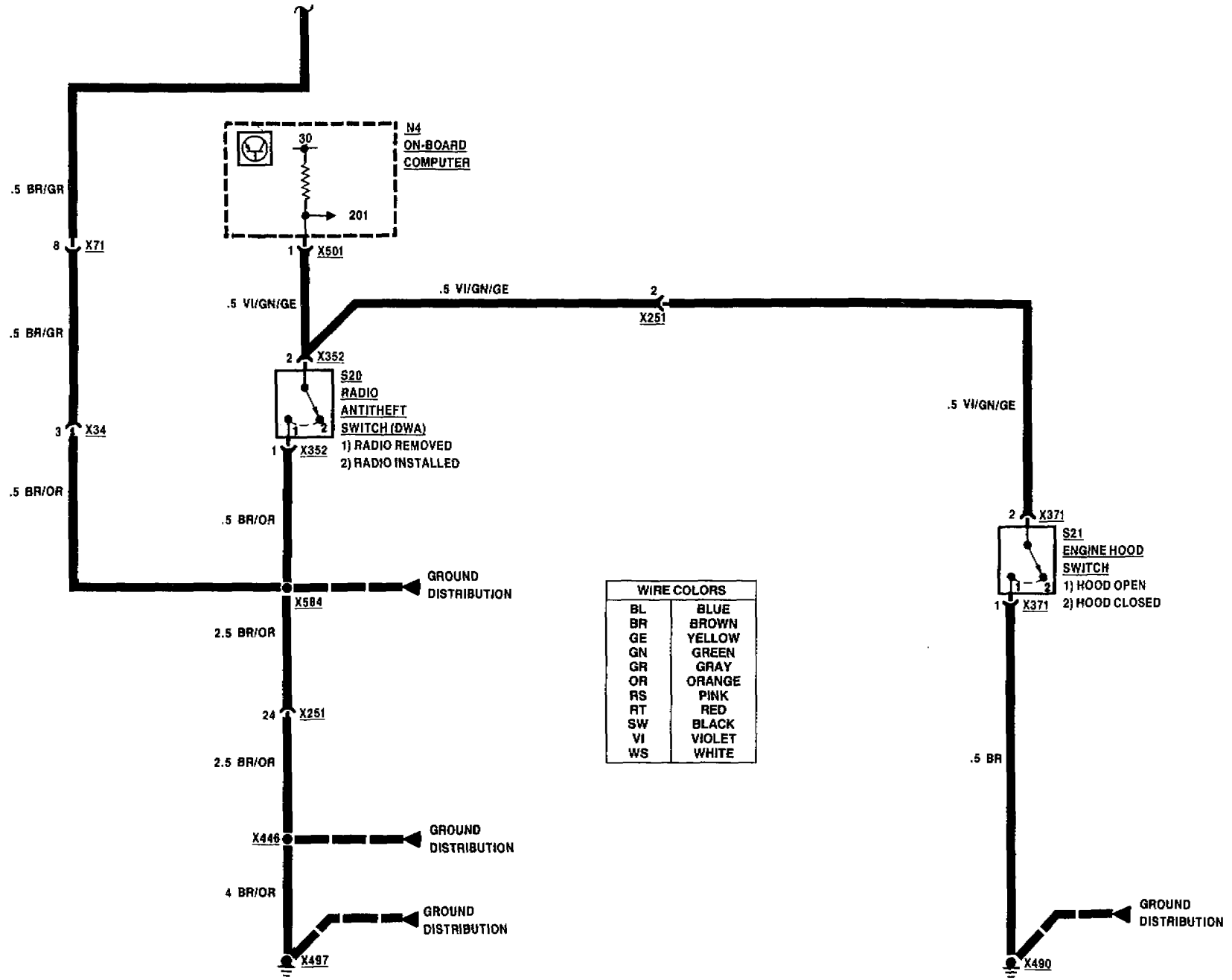
WIRE COLORS	
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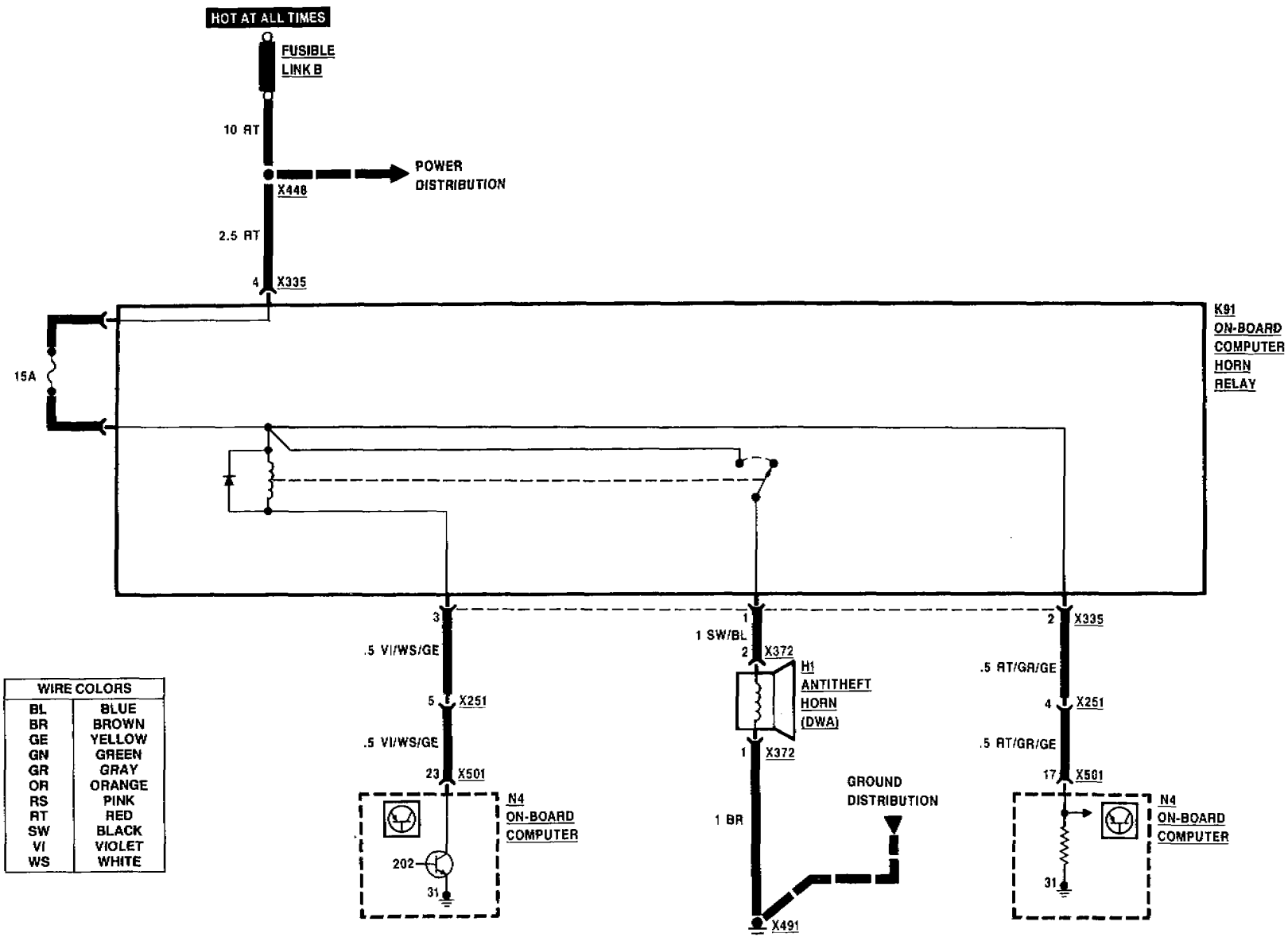
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ON-BOARD COMPUTER

ANTITHEFT HORN (WITHOUT DWA)

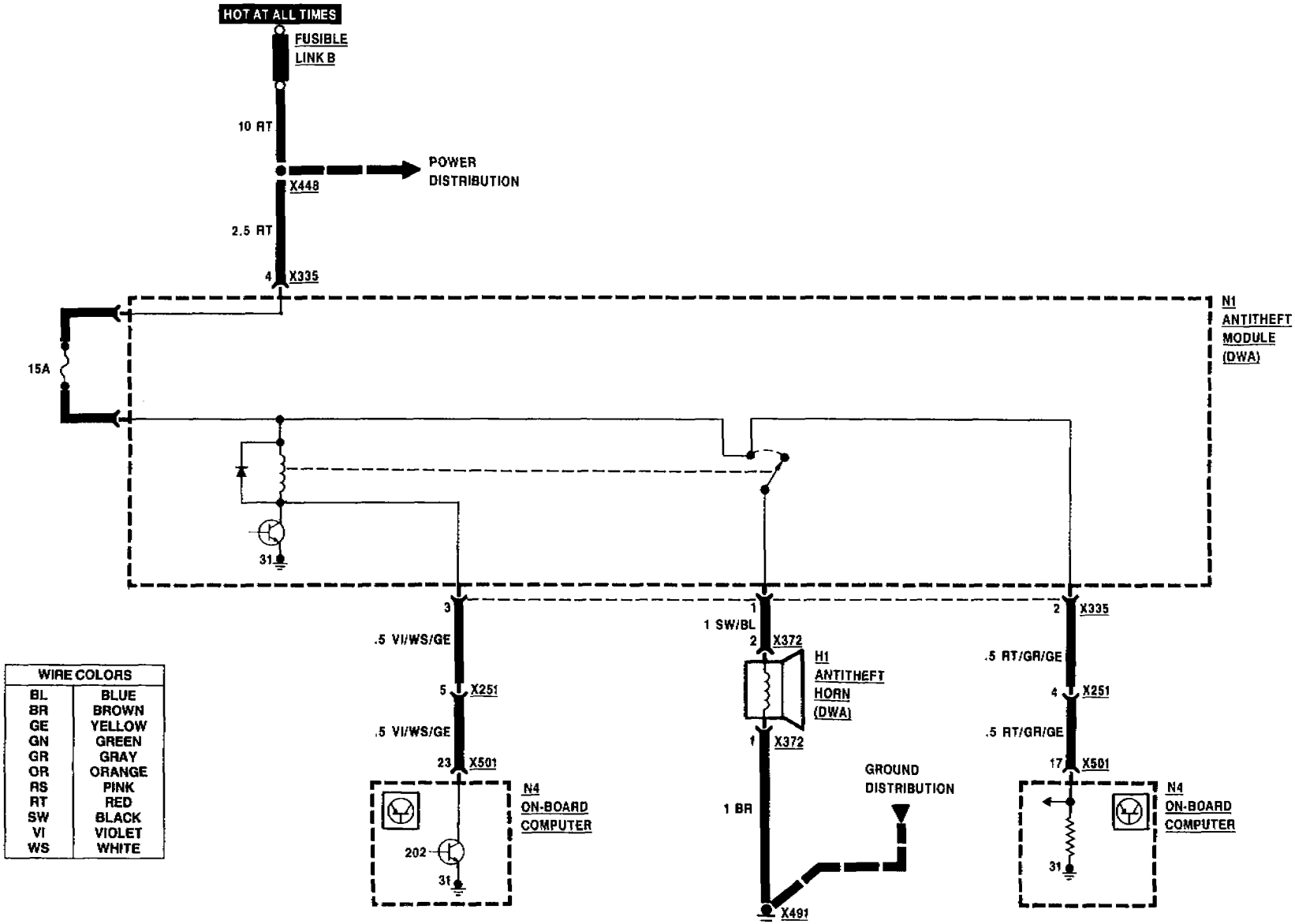


WIRE COLORS	
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BR	BROWN
GE	YELLOW
GN	GREEN
GR	GRAY
OR	ORANGE
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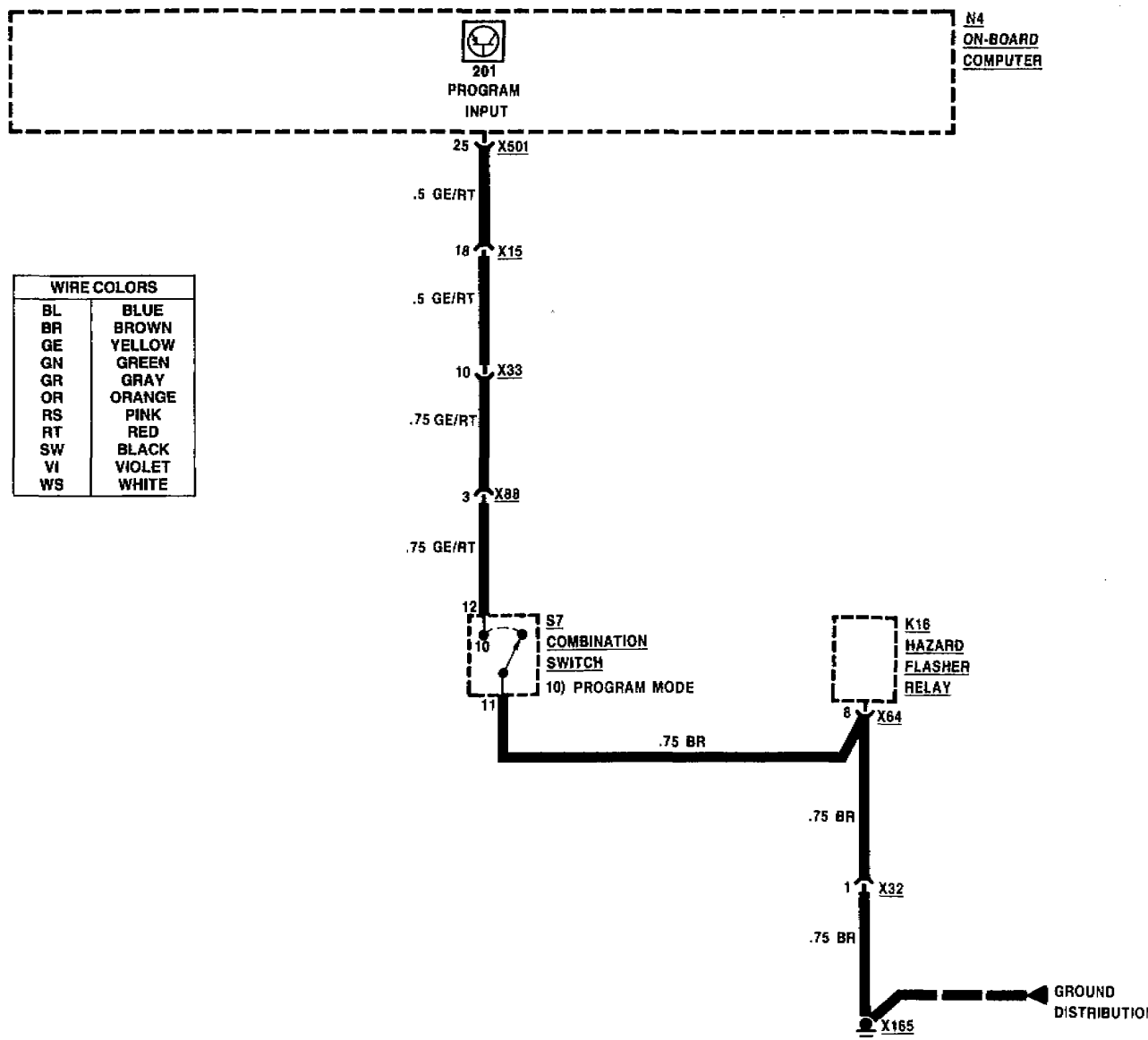
ON-BOARD COMPUTER

ANTITHEFT HORN (WITH DWA)



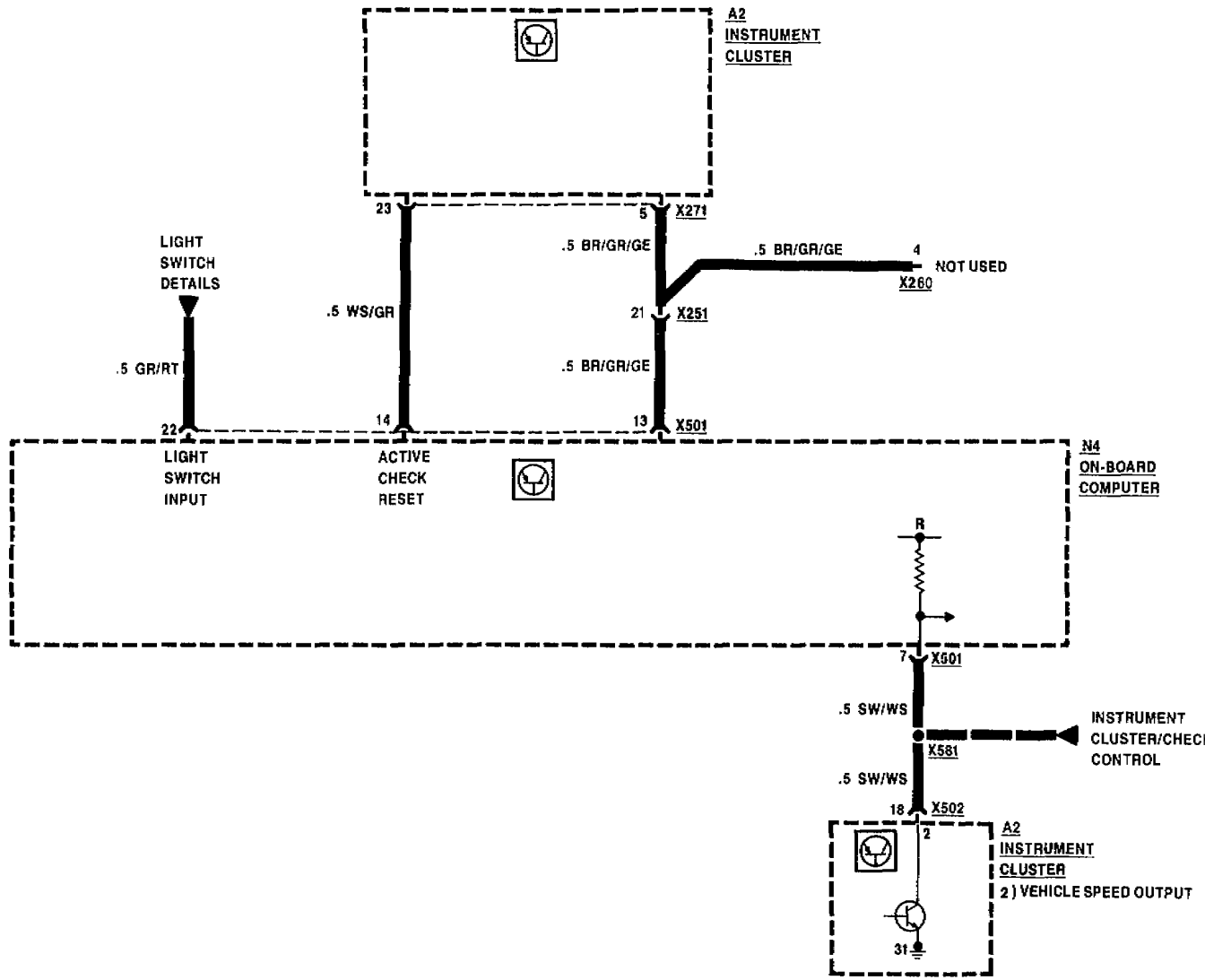
WIRE COLORS	
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VI	VIOLET
WS	WHITE

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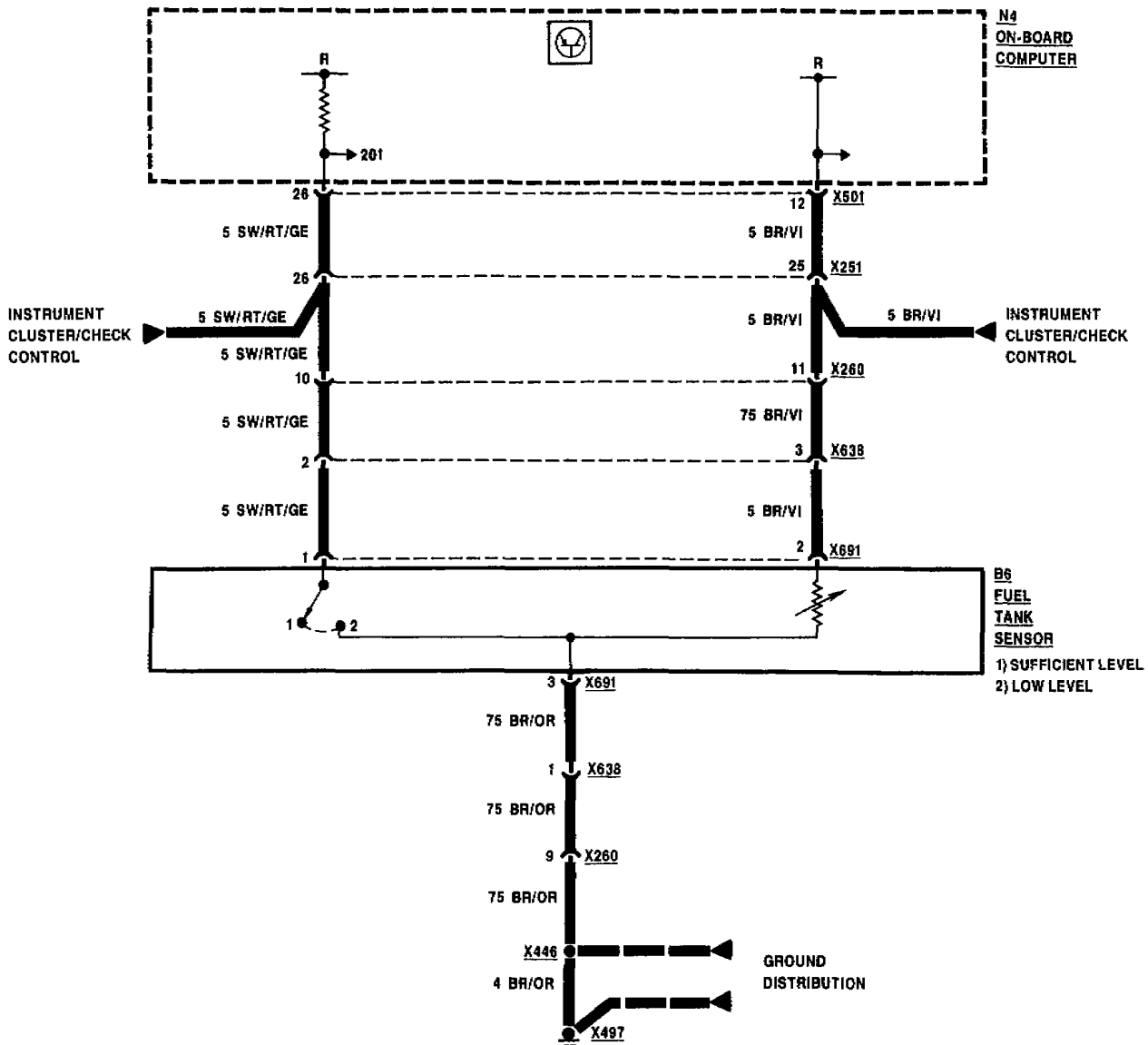
ON-BOARD COMPUTER
VEHICLE SPEED



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

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ON-BOARD COMPUTER
FUEL INFORMATION

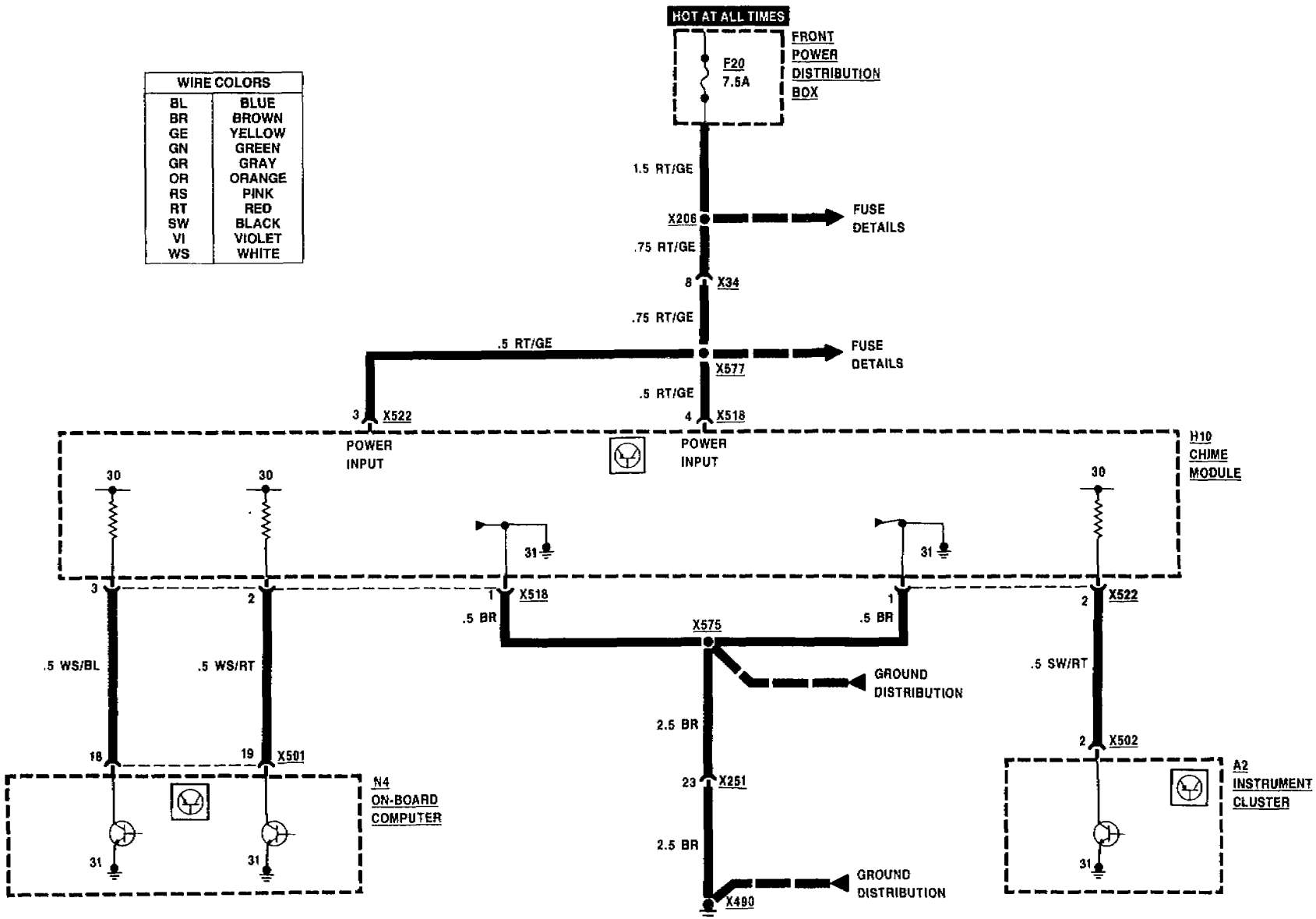


WIRE COLORS	
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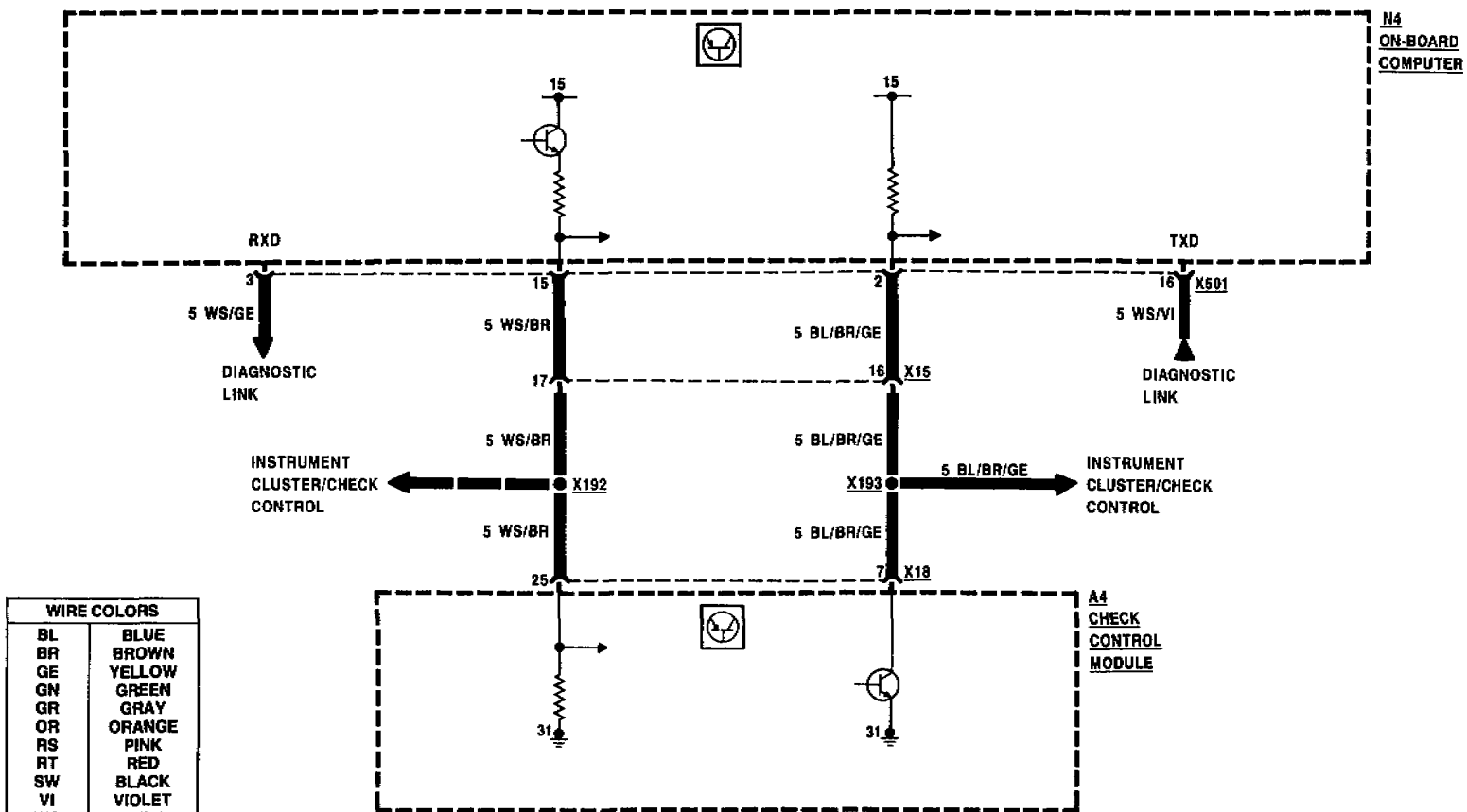
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ON-BOARD COMPUTER

CHIME MODULE



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

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
.....	Auxiliary Relay Box	LH side of engine compartment, ahead of shock tower	7100-04-03
.....	E-Box	RH side of engine, behind RH front shock tower	7100-33-03
.....	Front Power Distribution Box	LH rear of engine compartment	7100-10-01
.....	Fusible Link A	Below RH side of rear seat, right of battery	7100-20-01
.....	Fusible Link B	Below rear seat	.....
.....	Rear Power Distribution Box	Below LH side of rear seat	7100-17-02
A1.....	General Module	Under LH side of rear seat, in Rear Power Distribution Box	7100-17-01
A3.....	Lamp Control Module	In Front Power Distribution Box	7100-05-02
A4.....	Check Control Module	In Front Power Distribution Box	7100-05-02
A5.....	Relay Module	Below LH side of rear seat, in Rear Power Distribution Box	7100-17-01
A6.....	Trailer Module (AHM)	In LH rear corner of luggage compartment, on rear panel	7100-00-03
A7.....	ABS Electronic Control Unit	In E-Box, behind RH front shock tower	7100-13-01
A8.....	Cruise Control Module (Tempomat)	In E-Box, behind RH front shock tower	7100-13-01
A9.....	Seat Belt Retractor Module	Next edition	.....
A10.....	Electronic Heater Control Unit (IHR)	Between front footwells, ahead of IHR plenum	7100-14-01
A11.....	Automatic Heating and Air Conditioning Control Unit (IHKA)	Between front footwells, ahead of IHKA plenum	7100-14-01
A12.....	Diagnostic Module (SRS)	Below LH side of dash, left of steering column	7100-24-01
A14.....	Park Heating/Ventilation Control Unit	Under RH side of rear seat, behind battery	7100-17-03
A15.....	Park Heating/Ventilation Relay Box	Behind RH side of dash, above glove box	7100-35-01
A17.....	Servotronic Control Unit	By driver's footrest, behind speaker	7100-27-01

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
A18	HIFI Amplifier	Behind luggage compartment LH trim panel, on brace	7100-00-02
A20	Booster/Amplifier	In upper RH corner of luggage compartment	7100-32-02
A21	Memory Seat/Mirrors Control Unit	Under driver's seat	7100-29-01
A70	ABS/ASC Electronic Control Unit	In E-Box, behind RH front shock tower	
A200	Motronic Control Unit (DME)	In E-Box, behind RH front shock tower	7100-13-01
A202	Electronic Throttle Control Unit (EML)	In E-Box, behind RH front shock tower	Next edition
A300	Electronic Transmission Control Unit (AEGS)	Behind RH kick panel	7100-18-02
A301	Kick-Down Prevent Relay	Behind RH kick panel	7100-18-02
A902	Catalyst Temperature Switching Unit	Next edition	
B1	Right Front Speed Sensor	Behind RH front wheel	7100-09-02
B2	Left Front Speed Sensor	Behind LH front wheel	7100-08-02
B3	Right Rear Speed Sensor	Behind RH rear wheel, on axle	7100-10-03
B4	Left Rear Speed Sensor	Behind LH rear wheel, on axle	7100-10-02
B5	Level Control Unit	Below car, left of differential	7100-18-03
B6	Fuel Tank Sensor	Below luggage compartment, thru RH access panel, right of spare tire	7100-00-01
B7	Low Pressure Switch	RH front of engine compartment, below washer reservoir	7100-31-02
B8	High Pressure Switch	RH front of engine compartment, below washer reservoir	7100-31-02
B9	Intermediate Pressure Switch	RH front of engine compartment, below washer reservoir	7100-31-02
B10	Vehicle Speed Sensor	Rear of car, on differential	7100-11-01

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
B11	Left Heat Exchanger Temperature Sensor	Below RH side of dash, in RH side of IHKA plenum	
B12	Right Heat Exchanger Temperature Sensor	Below RH side of dash, in RH side of IHKA plenum	7100-15-01
B13	Outside Temperature Sensor	Behind coolant expansion tank support panel, on right of M30 Blower Motor	
B14	Evaporator Temperature Sensor	Below LH side of dash, on lower LH side of IHKA plenum.	7100-15-03
B15	Electro-Hydraulic Converter (Servotronic)	Below LH front of car, behind LH front wheel	7100-31-03
B16	Left Front Brake Pad Sensor	Behind LH front wheel, on caliper	7100-08-02
B17	Right Rear Brake Pad Sensor	Behind RH rear wheel, on caliper	7100-10-03
B18	Brake Fluid Level Switch	LH rear of engine compartment, top of brake fluid reservoir	7100-05-01
B19	Brake Pressure Regulating Switch	LH side of engine compartment, right of shock tower	7100-05-01
B20	Brake Pressure Switch	LH side of engine compartment, right of shock tower	7100-05-01
B21	On-Board Computer Temperature Sensor	Under front bumper, right side	7100-32-01
B22	Wheel Camber Control Unit	Below car, above RH halfshaft	7100-27-03
B201	Cylinder Identification Sensor	RH front of engine	7100-03-03
B202	Engine Speed Sensor	RH front of engine	7100-03-03
B203	Oxygen Sensor	In top of catalyst, near rear of transmission	7100-08-03
B204	Coolant Temperature Sensor	On coolant inlet, near valve cover	7100-03-01
B205	Oil Level Sensor	On bottom of oil pan	7100-08-01
B206	Oil Pressure Switch	Top rear of engine, rear of cylinder head	7100-03-02
B207	Coolant Temperature Sender	On coolant inlet, near valve cover	7100-03-01

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
B208	Air Flow Meter	Top center of engine, ahead of oil fill cap	7100-02-02
B209	Water Temperature Sensor	On coolant inlet, near valve cover	7100-03-01
B210	Temperature Switch	In E-Box, behind RH front shock tower	
B900	Jumper Plug	In Front Power Distribution Box	7100-05-02
B901	Catalyst Thermocouple	Next edition	
D100	Diagnostic Connector	RH rear of engine compartment, ahead of shock tower	7100-02-01
E48	Door Lock Heater	In door, at key lock assembly	
E50	Park Heating Unit	RH side of engine compartment	7100-33-03
E51	Left Washer Jet Heater	Under cover, on engine hood	7100-28-03
E52	Right Washer Jet Heater	Under cover, on engine hood	7100-35-03
E55	Front Defogger	Lower part of front windshield	
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	
E65	Left Rear Seatback Heater	Next edition	
E66	Left Rear Seat Heater	Next edition	
E67	Right Rear Seat Heater	Next edition	
E68	Right Rear Seatback Heater	Next edition	
F53	Fuse (10 Amp)	In RH corner of luggage compartment	

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
G3	Auxiliary Battery	In RH corner of luggage compartment	7100-06-03
G5	Driver's Air Bag Generator	In center of steering wheel	
G6	Passenger's Air Bag Generator I	Next edition	
G7	Passenger's Air Bag Generator II	Next edition	
H1	Antitheft Horn (DWA)	Below RH fresh air cowl	
H2	Left Horn	Front of car, behind grille	7100-25-03
H3	Right Horn	Front of car, behind grille	7100-25-03
H10	Chime Module	Behind LH side of dash, mounted in hush panel	7100-26-03
K1	Starter Relay	In Front Power Distribution Box	7100-05-02
K2	Horn Relay	In Front Power Distribution Box	7100-05-02
K3	Unloader Relay, KLR	In Front Power Distribution Box	7100-05-02
K4	Blower Relay	In Front Power Distribution Box	7100-05-02
K5	Washer Pump Relay	In Front Power Distribution Box	7100-12-01
K7	Parking Light Monitor Relay	In Front Power Distribution Box	7100-12-01
K9	Unloader Relay, KL15	In Front Power Distribution Box	7100-12-01
K10	ABS Relay	In Front Power Distribution Box	7100-12-01
K11	Wiper Relay	Under LH side of rear seat, on Rear Power Distribution Box	7100-17-02
K12	Wiper Pressure Control Relay (ADV)	Under LH side of rear seat, on Rear Power Distribution Box	7100-17-02

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
K13	Rear Defogger Relay	Under LH side of rear seat, on Rear Power Distribution Box	7100-17-02
K14	Auxiliary Battery Relay	In RH corner of luggage compartment	7100-06-03
K15	Electric Power Protection Relay	Under LH side of rear seat, on Rear Power Distribution Box	7100-17-02
K16	Hazard Flasher Relay	On steering column, below ignition switch	
K17	Rear Seat Heating Relay	Next edition	
K18	Front Defogger/Water Pump Relay	In Front Power Distribution Box	7100-12-01
K19	Compressor Control Relay	By driver's footrest, behind speaker	7100-27-01
K21	Normal Speed Relay	LH side of engine compartment, in relay box, front of LH shock tower	7100-23-03
K22	High Speed Relay	LH side of engine compartment, in relay box, front of LH shock tower	7100-23-03
K31	Seat Belt Relay	Next edition	
K33	Air Conditioning Motronic Relay	LH side of engine compartment, in relay box, front of LH shock tower	7100-23-03
K90	Cigar Lighter Relay	Next edition	
K91	On-Board Computer Horn Relay	Under LH side of rear seat, ahead of Rear Power Distribution Box	7100-20-03
K201	Fuel Pump Relay	In watertight compartment, behind RH front shock tower	7100-01-02
K202	Main Relay	In watertight compartment, behind RH front shock tower	7100-01-02

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
M1	Starter	LH side of engine, below intake manifold	7100-09-01
M2	Fuel Pump	Below luggage compartment, right of spare tire	7100-00-01
M3	Wiper Motor	Behind LH fresh air cowl	7100-05-03
M4	Washer Pump	RH front of engine compartment, on washer fluid reservoir	7100-02-03
M5	Intensive Wash Pump	RH front of engine compartment, on washer fluid reservoir	7100-02-03
M6	Wiper Pressure Control Motor (ADV)	Below LH side of fresh air cowl	7100-06-02
M7	Headlight Washer Pump	LH front of engine compartment, on washer fluid reservoir	7100-04-02
M8	Fog Light Washer Pump	LH front of engine compartment, on washer fluid reservoir	7100-04-02
M9	Auxiliary Fan Motor	Center front of engine compartment, behind bumper	7100-04-01
M12	Driver's Door Lock Motor	Top rear of door	7100-07-02
M13	Passenger's Door Lock Motor	Top rear of door	7100-07-02
M14	Right Rear Door Lock Motor	Top rear of door	7100-33-01
M15	Left Rear Door Lock Motor	Top rear of door	7100-33-01
M16	Gas Filler Lock Motor	In luggage compartment, behind RH wheel well	7100-01-03
M17	Trunk Lock Motor	In luggage compartment, right of lid lock assembly	7100-01-01
M20	Left Rear Window Motor	Lower front of door	7100-33-01
M21	Driver's Window Motor	Lower front of door	7100-07-02

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
M22	Right Rear Window Motor	Lower front of door	7100-33-01
M23	Passenger's Window Motor	Lower front of door	7100-07-02
M24	Sunroof Motor	In center of windshield header, near rear view mirror	7100-11-03
M25	Cruise Control Actuator (Tempomat)	Left center of engine compartment, ahead of shock tower	7100-04-03
M30	Blower Motor	Below center of cowl, behind coolant expansion tank support panel	
M31	Left Footwell Flap Motor	Below LH side of dash, on LH side of IHKA plenum	7100-14-03
M32	Right Footwell Flap Motor	Below RH side of dash, on RH side of IHKA plenum	7100-15-01
M33	Right Ventilation Flap Motor	Below RH side of dash, on RH side of IHKA plenum	7100-15-01
M34	Right Mixing Flap Motor	In center of dash, right of radio	7100-14-02
M35	Defroster Flap Motor	Below LH side of dash, on lower left side of IHKA plenum	7100-15-02
M36	Fresh Air Flap Motor	Below LH side of dash, on left side of IHKA plenum	7100-15-02
M37	Water Pump	LH rear of engine compartment, on engine bulkhead	7100-10-01
M38	Left Ventilation Flap Motor	In LH side of dash, on left side of IHKA plenum	7100-16-01
M39	Left Mixing Flap Motor	In center of dash, left of radio	7100-14-03
M40	Air Circulation Flap Motor	Below LH side of dash, on left side of IHKA plenum	7100-15-02
M41	Rear Compartment Flap Motor	In front of console, on lower rear of IHKA plenum	7100-16-01
M49	Driver's Seat Belt Actuator	Next edition	
M50	Driver's Seat Cushion Tilt Motor	Under driver's seat	7100-29-03
M51	Driver's Seat Movement Motor	Under driver's seat	7100-29-01
M52	Driver's Seat Height Motor	Under driver's seat	7100-29-03

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
M53	Driver's Seatback Recliner Motor	Under driver's seat	7100-29-03
M54	Driver's Headrest Motor	In top RH corner of driver's seatback	7100-32-03
M55	Driver's Seat Lumbar Support Motor	In driver's seatback	
M56	Passenger's Seat Lumbar Support Motor	In passenger's seatback	
M57	Passenger's Seat Headrest Motor	In top RH corner of passenger's seatback	7100-32-03
M58	Passenger's Seatback Recliner Motor	Under passenger's seat	7100-30-01
M59	Passenger's Seat Height Motor	Under passenger's seat	7100-30-01
M60	Passenger's Seat Movement Motor	Under passenger's seat	7100-30-01
M61	Passenger's Seat Cushion Tilt Motor	Under passenger's seat	7100-30-01
M62	Passenger's Seat Belt Motor	Next edition	
M200	Throttle Position Motor	Top of engine, on throttle body	Not in US
M201	E-Box Fan	In E-Box, below modules	
N1	Antitheft Module (DWA)	Under LH side of rear seat, ahead of Rear Power Distribution Box	7100-20-03
N2	Final Stage Unit	In left side of RH footwell, ahead of IHKA plenum	7100-14-01
N4	On-Board Computer	Center of dash, right of radio	
N6	Headlight/Front Fog Light Module (SRA)	In Front Power Distribution Box	7100-12-01
N8	Antenna Amplifier	In LH C pillar	7100-22-03

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
R1	Temperature Distribution Potentiometer	Above radio, in dash center IHR/IHKA outlets	
R5	Headrest Potentiometer	On M54 Driver's Headrest Motor	
R6	Seat Height Potentiometer	On Driver's Seat Height Motor	
R7	Seatback Potentiometer	On M53 Driver's Recliner Motor	
R8	Seat Cushion Rear Height Potentiometer	On M50 Driver's Seat Cushion Tilt Motor	
R9	Seat Cushion Movement Potentiometer	On M51 Driver's Seat Movement Motor	
R10	Pedal Position Sensor	Under LH side of dash, behind steering column	7100-07-01
S2	Ignition Switch	Top RH side of steering column	
S3	Automatic Transmission Range Switch	Under console, at base of shifter	7100-22-02
S4	Horn Switch	Top of steering column, in steering wheel	
S19	Underhood Light Switch	LH front of hood	7100-25-02
S20	Radio Antitheft Switch (DWA)	In dash, behind radio	7100-07-03
S21	Engine Hood Switch	RH rear of engine compartment, rear of shock tower	7100-13-01
S22	Battery Switch	Under RH side of rear seat, near battery	7100-20-01
S23	Trunk Lock Switch	Center of rear panel, below trunk latch	7100-01-01
S24	Rear Seat Switch	Under RH side of rear seat, right of battery	7100-20-01
S25	Coding Plug	Under center of rear seat, right of Rear Power Distribution Box	7100-21-02
S27	Inertia Switch	Under center of rear seat, right of Rear Power Distribution Box	7100-21-02
S29	Brake Light Switch	Under LH side of dash, on brake pedal	7100-07-01

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
S30	Brake Light Test Switch	Under LH side of dash, on brake pedal	7100-07-01
S31	Park Brake Switch	Under console, on rear of park brake lever	7100-16-02
S32	Clutch Switch	Under LH side of dash, left of brake pedal	7100-07-01
S36	Temperature Switch	RH top of radiator	7100-02-03
S39	Sunroof Position Switch	In center of windshield header, near rear view mirror	7100-11-03
S43	Driver's Window Limit Switch	Center front of door	7100-07-02
S44	Passenger's Window Limit Switch	Center front of door	7100-07-02
S45	Left Rear Window Limit Switch	Center front of door	7100-33-01
S46	Right Rear Window Limit Switch	Center front of door	7100-33-01
S47	Driver's Door Lock Switch	Behind driver's door lock	
S48	Driver's Door Handle Switch	Behind driver's door handle	
S49	Passenger's Door Lock Switch	Behind passenger's door lock	
S58	Driver's Seat Belt Switch	In driver's seat belt buckle	
S59	Passenger's Seat Belt Switch	In passenger's seat belt buckle	
S60	Hydraulic Switch	Below rear of car, right of differential	7100-34-02
S61	Trunk Lid Switch	In trunk lid, near trunk lock	
S63	Coolant Level Switch	Top of coolant reservoir	7100-02-02
S64	Washer Fluid Level Switch	RH side of washer fluid reservoir	7100-02-03
S65	Hydraulic Oil Level Switch	LH front of engine, on hydraulic fluid level container	7100-04-03
S68	Left Rear Seat Heater	Next edition	
S70	Safety Switch	Ahead of LH shock tower	7100-12-02
S71	Left Front Crash Sensor	Ahead of LH shock tower	7100-12-02
S72	Right Front Crash Sensor	Ahead of RH shock tower	7100-12-03

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
S92	Manual Transmission Back-Up Switch	Top RH side of transmission	7100-28-01
S95	Hydraulic Switch	Next edition	
S100	Rear Vent Flap Switch	In rear of console, on rear vent flap	7100-21-03
S200	Throttle Switch	Top of engine, on throttle body	7100-02-02
T200	Ignition Coil	RH side of engine compartment, at strut tower	7100-02-01
V4	Driver's Day Light Coding Diode	Next edition	
X779	Charging Plug	On LH side of glove box	
Y1	ABS Hydraulic Unit	LH center of engine compartment, near shock tower	7100-05-01
Y2	Compressor Clutch (IHKA)	RH front of engine	7100-03-03
Y4	Water Valve Assembly	LH rear of engine compartment, on engine bulkhead	7100-10-01
Y7	Park Heating Metering Pump	Below rear of car, near RH rear wheel	7100-34-03
Y8	Hydraulic Height Level Control System	In rear of car, in spare tire housing	7100-25-01
Y11	Solenoid Valve 1	On LH side of engine, near oil filter	7100-34-01
Y12	Solenoid Valve 2	On LH side of engine, near oil filter	7100-34-01
Y201	Fuel Injector 1	Top of engine, near B207 Coolant Temperature Sender	
Y202	Fuel Injector 2	Top of engine, on intake manifold	
Y203	Fuel Injector 3	Top of engine, on intake manifold	
Y204	Fuel Injector 4	Top of engine, on intake manifold	
Y205	Fuel Injector 5	Top of engine, on intake manifold	
Y206	Fuel Injector 6	Top of engine, on intake manifold	
Y213	Evaporative Purge Valve	LH side of engine, right of oil filter	7100-24-03

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
Y214	Idle Speed Actuator	On center rear of throttle body	7100-02-02
Y300	Transmission	LH rear side of transmission	7100-08-03
X13	Connector (30 pins)	Below left side of dash, above footrest	7100-09-03
X14	Connector (30 pins)	Below left side of dash, above footrest	7100-09-03
X15	Connector (30 pins)	Below left side of dash, near hood release lever	7100-24-01
X16	Connector (26 pins)	On A2 Instrument Cluster	7100-23-01
X17	Connector (6 pins)	On A2 Instrument Cluster	7100-23-01
X18	Connector (26 pins)	On A4 Check Control Module (Blue)	
X19	Connector (26 pins)	On A4 Check Control Module (Green)	
X20	Connector (20 pins)	LH rear of engine compartment, near shock tower	7100-10-01
X21	Connector (21 pins)	LH rear of engine compartment, near shock tower	7100-10-01
X32	Connector (12 pins)	Below LH side of dash, LH side of steering column	7100-27-02
X33	Connector (12 pins)	Below LH side of dash, LH side of steering column	7100-27-02
X34	Connector (12 pins)	Below LH side of dash, near hood release lever	7100-24-01
X35	Connector (12 pins)	Below LH side of dash, near hood release lever	7100-24-01
X36	Connector (10 pins)	Below LH side of dash, near hood release lever	7100-24-01
X37	Connector (10 pins)	Below LH side of dash, near hood release lever	7100-24-01
X71	Connector (8 pins)	Behind LH fog light	7100-26-01
X72	Connector (8 pins)	Below LH side of dash, LH side of steering column	7100-27-02
X73	Connector (10 pins)	Under dash, right of steering column	

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COMPONENTS

		Page-Figure
X74	Connector (8 pins) — Under LH side of dash, above footrest	7100-09-03
X75	Connector (6 pins) — Under LH side of dash, above footrest	7100-09-03
X83	Connector (3 pins) — By driver's footrest, behind speaker	7100-27-01
X84	Connector (3 pins) — By driver's footrest, behind speaker	7100-27-01
X88	Connector (3 pins) — On left of steering column	
X101	Connector (2 pins) — In watertight compartment, behind RH front shock tower	7100-13-01
X113	Connector (2 pins) — RH rear of engine compartment, near base of shock tower	7100-19-01
X114	Connector (2 pins) — LH rear of engine compartment, bottom of shock tower	7100-24-02
X118	Connector (2 pins) — On LH front wheel, above brake caliper	7100-08-02
X122	Connector (2 pins) — LH rear of engine compartment, on engine bulkhead	7100-10-01
X162	Connector (1 pin) — On E55 Front Defogger	
X163	Connector (1 pin) — RH front of engine compartment, by washer fluid reservoir	7100-03-03
X165	Ground (Dash) — Below LH side of dash, left of steering column	7100-33-02
X166	Ground — LH front of engine compartment, ahead of wheel well	7100-06-01
X167	Ground — LH front of engine compartment, ahead of wheel well	7100-06-01
X170	Ground — LH side of engine compartment, on Y1 ABS Hydraulic Unit	7100-24-02
X251	Connector (30 pins) — Below left side of dash, near hood release lever	7100-24-01

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X252	Connector (26 pins)	On N1 Antitheft Module (DWA)
X253	Connector (26 pins)	On A1 General Module (Green)
X254	Connector (26 pins)	On A1 General Module (White)
X255	Connector (26 pins)	On A1 General Module (Yellow)
X256	Connector (26 pins)	Ahead of RH front door, in wire grommet 7100-13-03
X257	Connector (26 pins)	Ahead of LH front door, in wire grommet 7100-13-03
X258	Connector (20 pins)	On A5 Relay Module (White)
X259	Connector (20 pins)	On A5 Relay Module (Black)
X260	Connector (21 pins)	Below RH side of rear seat, near battery 7100-35-02
X271	Connector (12 pins)	On A2 Instrument Cluster 7100-23-01
X272	Connector (12 pins)	Below LH side of rear seat, near Rear Power Distribution Box 7100-17-01
X273	Connector (12 pins)	Ahead of LH rear door, in wire grommet 7100-13-02
X274	Connector (12 pins)	Ahead of RH rear door, in wire grommet 7100-13-02
X275	Connector (12 pins)	Below driver's seat, under carpet 7100-30-03
X277	Connector (10 pins)	Ahead of LH rear door, in wire grommet 7100-13-02
X278	Connector (10 pins)	Ahead of RH rear door, in wire grommet 7100-13-02
X279	Connector (12 pins)	Below passenger's seat 7100-30-02
X295	Connector (8 pins)	Below LH side of dash, LH side of steering column 7100-27-02
X298	Connector (8 pins)	Behind luggage compartment trim panel, below LH lid hinge 7100-00-02

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X316	Connector (6 pins)	On S40 Front Console Window Switch Assembly (White)
X317	Connector (6 pins)	On S40 Front Console Window Switch Assembly (Black)
X318	Connector (6 pins)	In luggage compartment, behind RH light assembly 7100-00-03
X319	Connector (6 pins)	In luggage compartment, behind LH light assembly 7100-00-03
X321	Connector (6 pins)	Below LH side of dash, left of steering column 7100-26-03
X322	Connector (6 pins)	Below LH side of rear seat, near Rear Power Distribution Box 7100-17-01
X331	Connector (5 pins)	On N1 Antitheft Module (DWA)
X332	Connector (5 pins)	On A1 General Module (Black)
X335	Connector (4 pins)	On N1 Antitheft Module (DWA)
X337	Connector (4 pins)	Below LH side of rear seat, near Rear Power Distribution Box 7100-21-02
X376	Connector (2 pins)	Below LH side of rear seat, behind Rear Power Distribution Box 7100-17-02
X377	Connector (2 pins)	Below RH side of rear seat, behind battery 7100-17-03
X379	Connector (2 pins)	On E10 Rear Defogger
X380	Connector (2 pins)	On E10 Rear Defogger
X390	Connector (2 pins)	RH side of passenger's footwell, behind speaker panel 7100-18-02
X391	Connector (2 pins)	Below rear of console 7100-16-02
X393	Connector (2 pins)	In LH rear corner of luggage compartment 7100-00-03
X399	Connector (2 pins)	In LH rear corner of luggage compartment 7100-00-03

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X400 .... Connector (2 pins)	Behind rear seat back, left of RH wheel well	7100-19-03
X421 .... Connector (1 pin)	On E55 Front Defogger	
X490 .... Ground	Below LH side of dash, left of steering column	7100-33-02
X491 .... Ground	Below LH side of dash, left of steering column	7100-33-02
X492 .... Ground	Below LH side of rear seat, near Rear Power Distribution Box	7100-21-01
X493 .... Ground	Below LH side of rear seat, near Rear Power Distribution Box	7100-21-01
X494 .... Ground	Below LH side of rear seat, near Rear Power Distribution Box	7100-21-01
X495 .... Ground	Under RH side of rear seat, right of battery	7100-17-03
X496 .... Ground	Under RH side of rear seat, right of battery	7100-17-03
X497 .... Ground	Under RH side of rear seat, right of battery	7100-20-02
X497 .... Ground (Battery)	Ahead of RH side of rear seat, under carpet	7100-20-01
X502 .... Connector (26 pins)	On A2 Instrument Cluster	7100-23-01
X506 .... Connector (12 pins)	Below center console, front of shifter	7100-22-02
X512 .... Connector (8 pins)	Behind glove box.	7100-16-03
X515 .... Connector (6 pins)	Below LH side of dash, left of steering column	7100-26-03
X518 .... Connector (4 pins)	On H10 Chime Module (Black)	7100-26-03
X519 .... Connector (4 pins)	Below RH side of dash, behind right side of glove box	7100-16-03
X520 .... Connector (3 pins)	Under LH side of console, near shifter	7100-22-02

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X522 .... Connector (3 pins)	On H10 Chime Module (White)	7100-26-03
X533 .... Connector (2 pins)	On N9 Radio	
X534 .... Connector (2 pins)	On N9 Radio	
X535 .... Connector (2 pins)	On N9 Radio	
X536 .... Connector (2 pins)	On N9 Radio	
X542 .... Connector (2 pins)	In LH side of glove box	
X545 .... Connector (2 pins)	On N9 Radio	
X546 .... Connector (2 pins)	In center of console, LH side of manual gear selector	7100-28-02
X551 .... Connector (1 pin)	On N9 Radio	
X553 .... Connector (1 pin)	On N9 Radio	
X601 .... Connector (26 pins)	On A21 Memory Seats/Mirrors Control Unit (Yellow)	7100-29-02
X602 .... Connector (26 pins)	On A21 Memory Seat/Mirrors Control Unit (White)	7100-29-01
X605 .... Connector (12 pins)	On A18 HIFI Amplifier (Black)	
X606 .... Connector (12 pins)	On A18 HIFI Amplifier (White)	
X608 .... Connector (11 pins)	On E50 Park Heating Unit (Black)	
X610 .... Connector (26 pins)	On A10 (IHR) Unit or A11 (IHKA) Unit (White)	7100-15-03
X611 .... Connector (26 pins)	On A10 (IHR) Unit or A11 (IHKA) Unit (Green)	7100-15-03
X612 .... Connector	On S26 Automatic Heating and Air Conditioning Switch (IHKA) or S33 Heater Control Switch (IHR) (Blue)	
X613 .... Connector (26 pins)	On A10 (IHR) Unit or A11 (IHKA) Unit (Blue)	7100-14-01
X614 .... Connector (26 pins)	On A10 (IHR) Unit or A11 (IHKA) Unit (Yellow)	7100-14-01

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COMPONENT LOCATION CHART

COMPONENTS

			Page-Figure
X619	Connector (12 pins)	Under rear seat	
X621	Connector (10 pins)	Ahead of RH front door, in wire grommet	7100-13-03
X622	Connector (10 pins)	Ahead of LH front door, in wire grommet	7100-13-03
X626	Connector (8 pins)	Under driver's seat	7100-29-02
X627	Connector (8 pins)	In center of windshield header, near rear view mirror	7100-11-03
X628	Connector (3 pins)	In RH corner of luggage compartment	7100-06-03
X629	Connector (8 pins)	On A14 Park Heating/Ventilation Control Unit (Natural)	
X630	Connector (13 pins)	Rear of car	7100-11-02
X638	Connector (8 pins)	Below luggage compartment, right of spare tire	7100-00-01
X642	Connector (6 pins)	On A14 Park Heating/Ventilation Control Unit (Black)	
X648	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (Black)	7100-29-02
X649	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (White)	7100-29-02
X653	Connector (6 pins)	On A21 Memory Seat/Mirrors Control Unit (Black)	7100-29-01
X654	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (White)	7100-29-01
X655	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (Blue)	7100-29-01
X656	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (Green)	7100-29-01
X657	Connector (6 pins)	On A21 Memory Seats/Mirrors Control Unit (Brown)	7100-29-01
X659	Connector (6 pins)	Below passenger's seat	7100-30-02
X672	Connector (4 pins)	On A20 Booster/Amplifier	
X673	Connector (4 pins)	Under rear seat	
X674	Connector (4 pins)	Under rear seat	

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X681	Connector (3 pins). Behind glove box.	7100-16-03
X682	Connector (3 pins). On S26 Automatic Heating and Air Conditioning Switch (IHKA) or S33 Heater Control Switch (IHR) (Natural)	
X683	Connector (3 pins). By driver's footrest, behind speaker	7100-27-01
X684	Connector (3 pins). In passenger's door, near door handle (Black)	7100-31-01
X685	Connector (3 pins). In driver's door, near door handle (Black)	7100-31-01
X692	Connector (3 pins). In center of dash, behind LH side of radio	7100-22-01
X693	Connector (3 pins). On S26 Automatic Heating and Air Conditioning Switch (IHKA) or S33 Heater Control Switch (IHR) (Black)	
X702	Connector (2 pins). On A20 Booster/Amplifier	
X703	Connector (2 pins). On A20 Booster/Amplifier	
X705	Connector (2 pins). Below car, near RH rear suspension frame attachment point	7100-19-02
X713	Connector (2 pins). At RH rear wheel, above brake caliper	7100-10-03
X716	Connector (2 pins). In left rear door	7100-33-01
X717	Connector (2 pins). In left rear door	7100-33-01
X722	Connector (2 pins). In right rear door	7100-33-01
X725	Connector (2 pins). In right rear door	7100-33-01
X732	Connector (2 pins). In driver's seatback	7100-32-01
X741	Connector (2 pins). In passenger's seatback	7100-32-03
X742	Connector (2 pins). In passenger's door, near door handle (Yellow)	7100-31-01

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X747 .... Connector (2 pins)	In driver's door, near door handle (Yellow)	7100-31-01
X751 .... Connector (2 pins)	In driver's door, near door handle (White)	7100-31-01
X752 .... Connector (2 pins)	In driver's door, near door handle (Blue)	7100-31-01
X755 .... Connector (2 pins)	LH side of engine	7100-34-01
X756 .... Connector (2 pins)	RH rear wheel well	7100-23-02
X757 .... Connector (2 pins)	On E50 Park Heating Unit (Natural)	
X759 .... Connector (2 pins)	RH side of passenger's footwell, behind speaker panel	7100-18-02
X764 .... Connector (2 pins)	On A14 Park Heating/Ventilation Control Unit (Natural)	
X770 .... Connector (2 pins)	Below front of car	7100-26-02
X778 .... Connector (2 pins)	Near base of driver's seat belt	
X783 .... Connector (2 pins)	Below steering column	7100-18-01
X784 .... Connector (2 pins)	Under LH side of dash, at base of steering column	7100-27-02
X785 .... Connector (2 pins)	LH side of engine	7100-34-01
X787 .... Connector (2 pins)	Below car, above rear of differential	
X811 .... Ground	Below rear seat, by right side of battery	7100-17-03
X813 .... Connector (1 pin)	On A20 Booster/Amplifier	
X814 .... Ground	Below RH side of rear seat	
X815 .... Connector (1 pin)	On A20 Booster/Amplifier	
X818 .... Ground	Below LH side of dash, left of steering column	7100-33-02
X820 .... Ground	Under RH side of rear seat, right of battery	7100-17-03
X907 .... Connector (6 pins)	Below LH side of dash, left of steering column	7100-26-03
X1521 ... Connector (3 pins)	Top front of engine, on RH side	7100-03-01

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COMPONENT LOCATION CHART

COMPONENTS

		Page-Figure
X1522 ... Connector (3 pins)	Top front of engine, on RH side	7100-03-01
X1523 ... Connector (4 pins)	Lower left rear side of engine	7100-24-03
X1532 ... Diagnostic Connector (20 pins)	RH rear of engine compartment, ahead of shock tower	7100-02-01
X1533 ... Connector (3 pins)	Lower left rear side of engine	7100-24-03
X1537 ... Connector (2 pins)	In E-Box, behind RH front shock tower	7100-01-02
X1540 ... B+	RH rear of engine compartment	7100-01-02
X1541 ... Ground	RH rear of engine compartment, near shock tower	7100-02-01
X1542 ... Ground	RH rear of engine compartment, near shock tower	7100-02-01
X2001 ... Connector (12 pins)	Behind glove box, in RH corner	7100-35-01
X2005 ... Connector (8 pins)	On LH side of transmission	7100-08-03
X2008 ... Ground	Below RH side of rear seat, right of battery	7100-20-02

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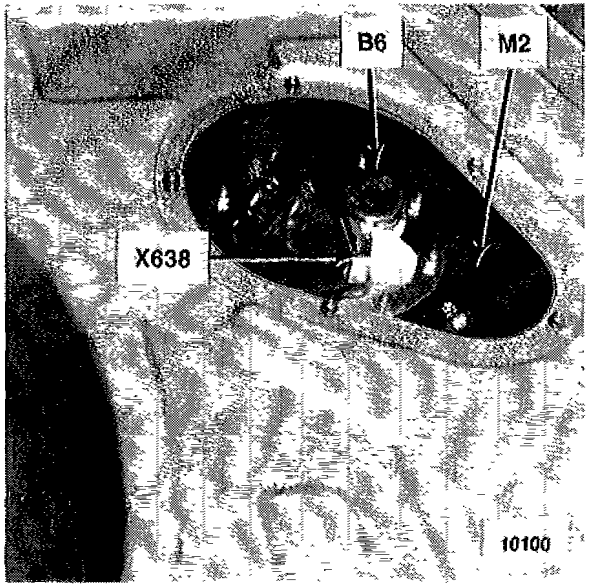


Figure 1- RH Side Of Luggage Compartment

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

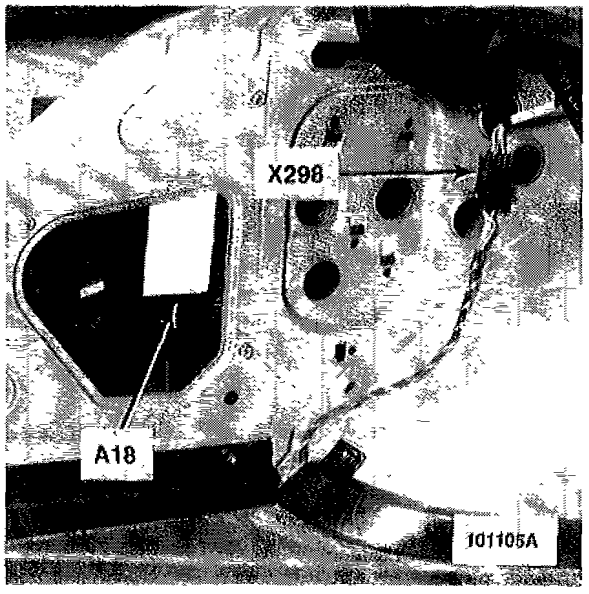


Figure 2- LH Front Of Luggage Compartment

A18 HIFI Amplifier
X298 Connector (8 pins)

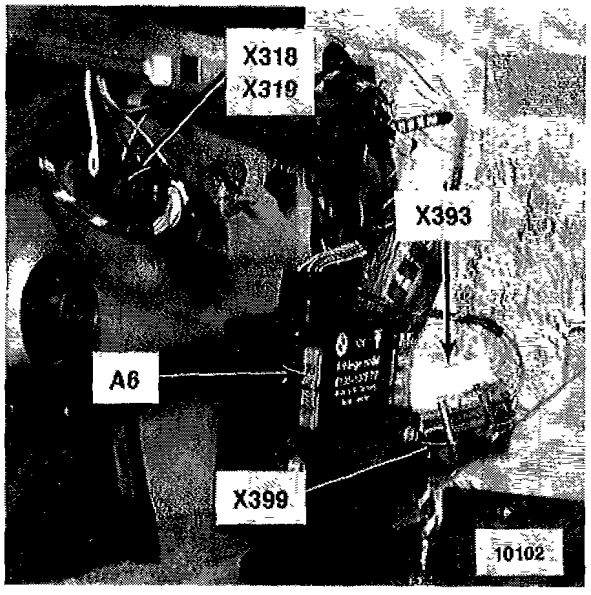


Figure 3- LH Rear Of Luggage Compartment

A6 Trailer Module (AHM)
X393 Connector (2 pins)
X399 Connector (2 pins)
X318 Connector (6 pins) RH Side
X319 Connector (6 pins)

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COMPONENT LOCATION VIEWS

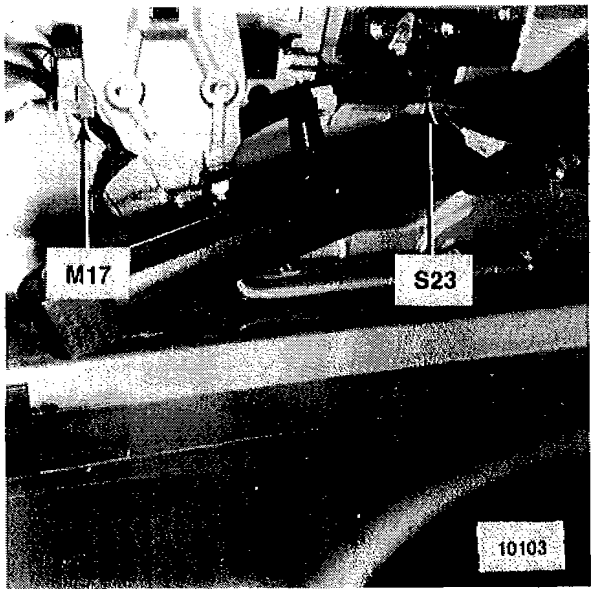


Figure 1- In Luggage Compartment, On Rear Panel

M17 Trunk Lock Motor
S23 Trunk Lid Switch

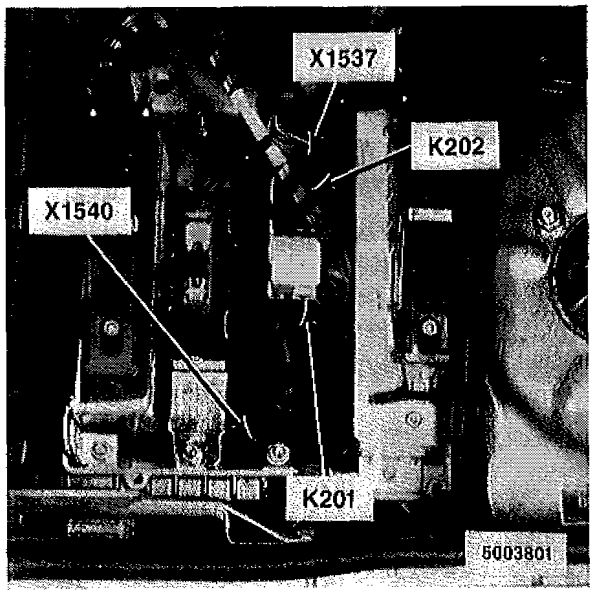


Figure 2- RH Rear Of Engine Compartment

K201 Fuel Pump Relay
K202 Main Relay
X1537 Connector (2 pins)
X1540 B+

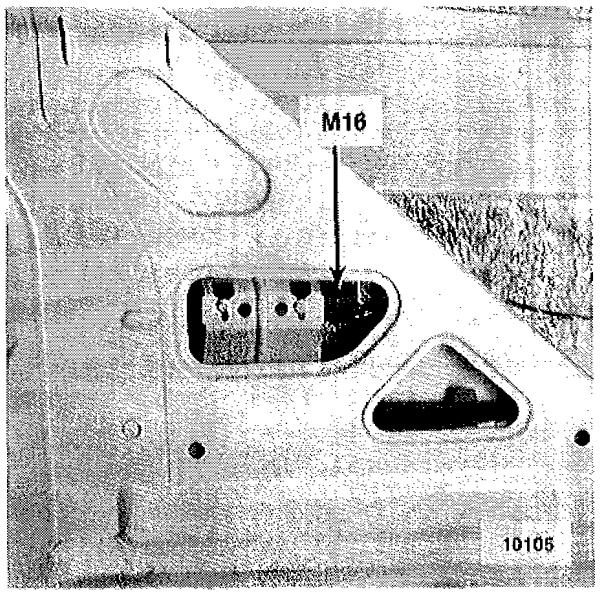


Figure 3- RH Side Of Luggage Compartment

M16 Gas Filler Lock Motor

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COMPONENT LOCATION VIEWS

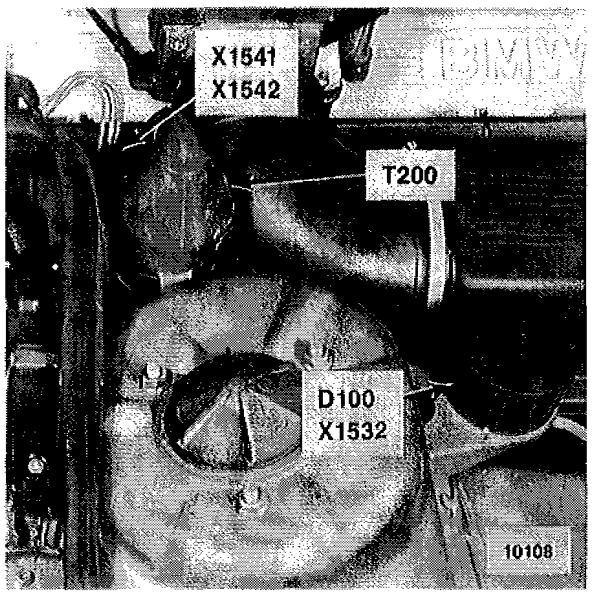


Figure 1- RH Rear Of Engine Compartment

D100 Diagnostic Connector
T200 Ignition Coil
X1532 Diagnostic Connector (20 pins)
X1541 Ground
X1542 Ground

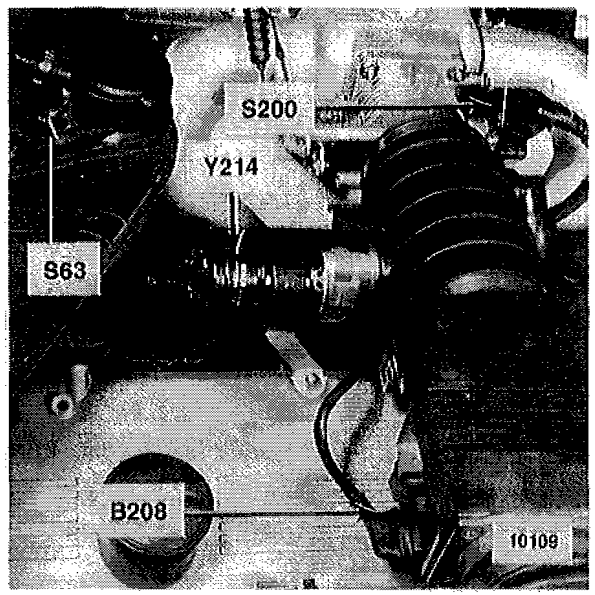


Figure 2- Top Rear Of Engine

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

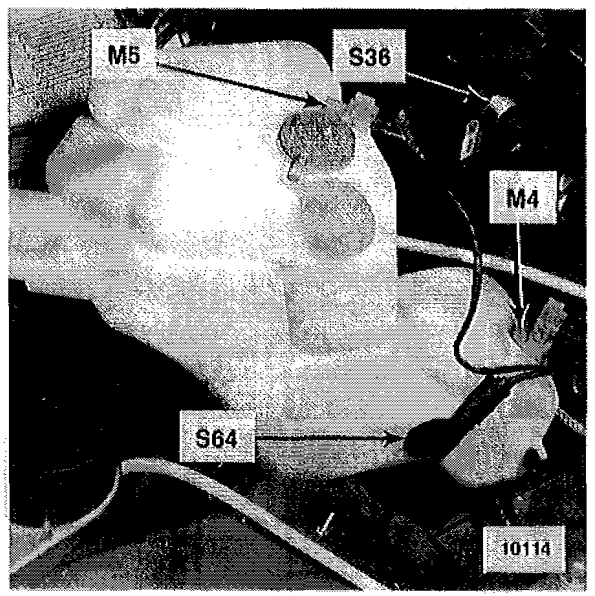


Figure 3- RH Front Of Engine Compartment

M4 Washer Pump
M5 Intensive Wash Pump
S36 Temperature Switch
S64 Washer Fluid Level Switch

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COMPONENT LOCATION VIEWS

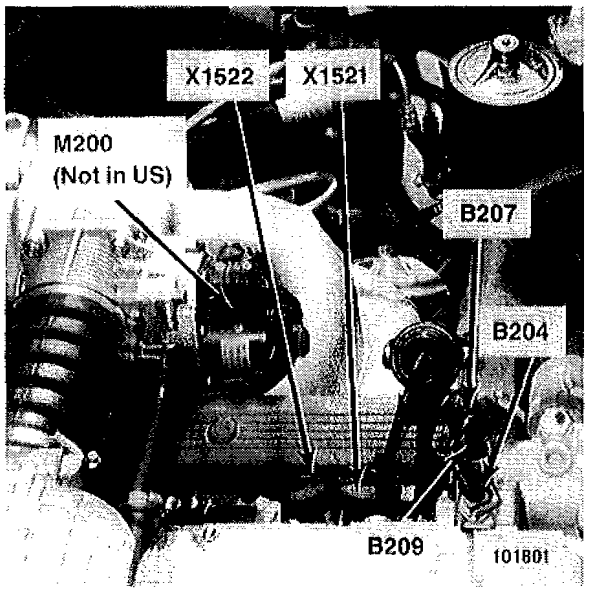


Figure 1- RH Front Of Engine

- B204 Coolant Temperature Sensor
- B207 Coolant Temperature Sender
- B209 Water Temperature Sensor
- M200 Throttle Position Motor
- X1521 Connector (3 pins)
- X1522 Connector (3 pins)

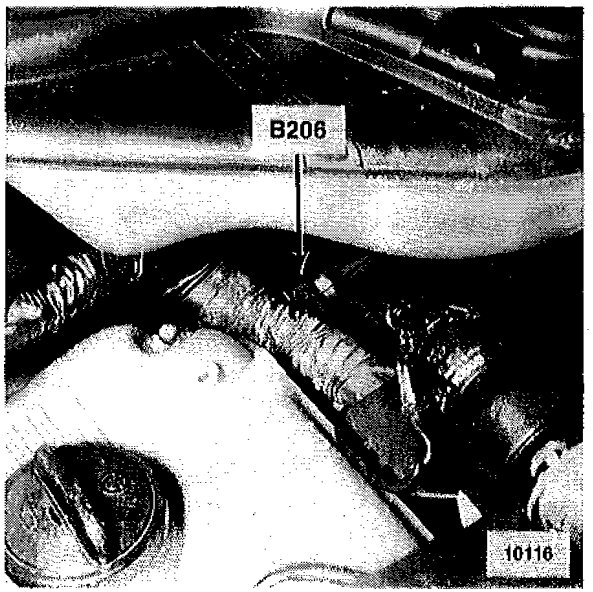


Figure 2- Rear Of Engine

- B206 Oil Pressure Switch

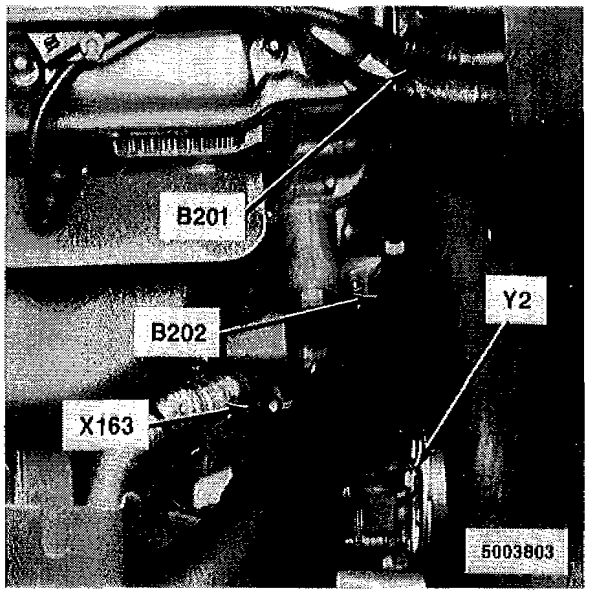


Figure 3- RH Front Of Engine

- B201 Cylinder Identification Sensor
- B202 Engine Speed Sensor
- X163 Connector (1 pin)
- Y2 Compressor Clutch (IHKA)

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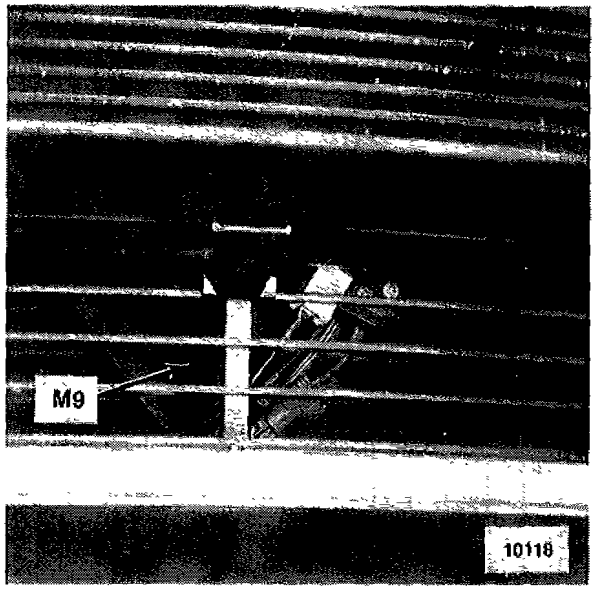


Figure 1- Front Of Car

M9 Auxiliary Fan Motor

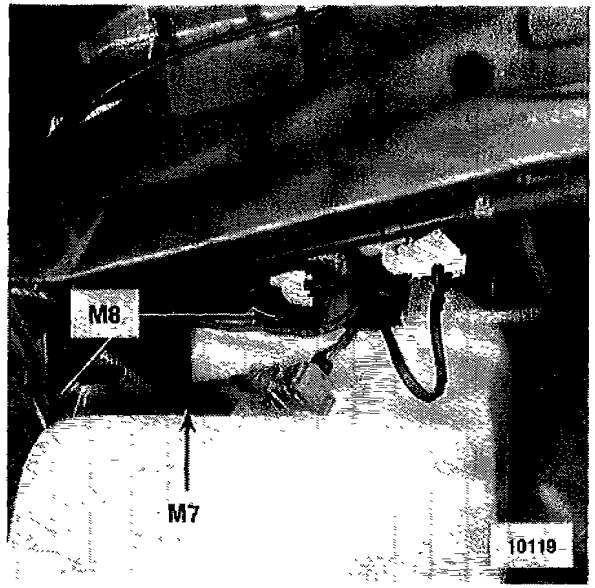


Figure 2- LH Front Of Engine Compartment

M7 Headlight Washer Pump
M8 Fog Light Washer Pump

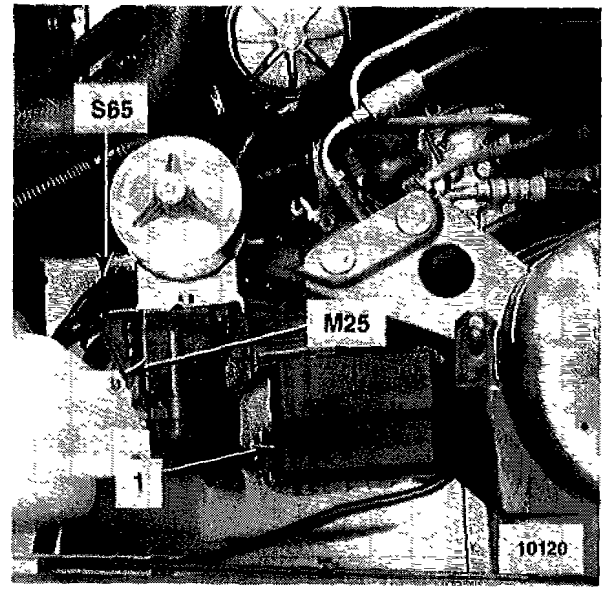


Figure 3- LH Side Of Engine Compartment

1 Auxiliary Relay Box
M25 Cruise Control Actuator (Tempomat)
S65 Hydraulic Oil Level Switch

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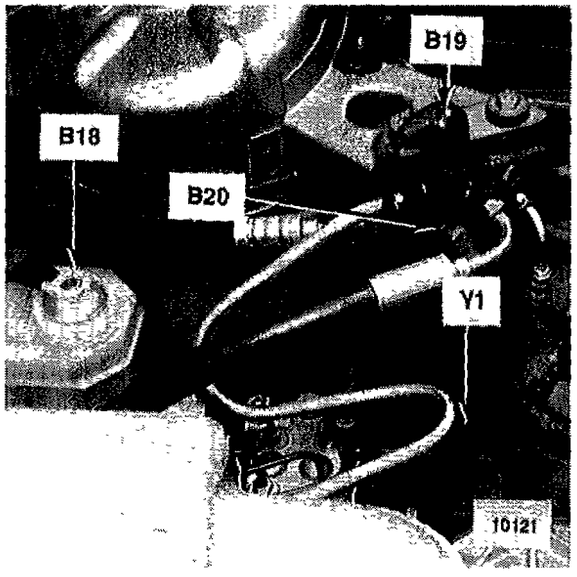


Figure 1- LH Side Of Engine Compartment

B18 Brake Fluid Level Switch
B19 Brake Pressure Regulating Switch
B20 Brake Pressure Switch
Y1 ABS Hydraulic Unit

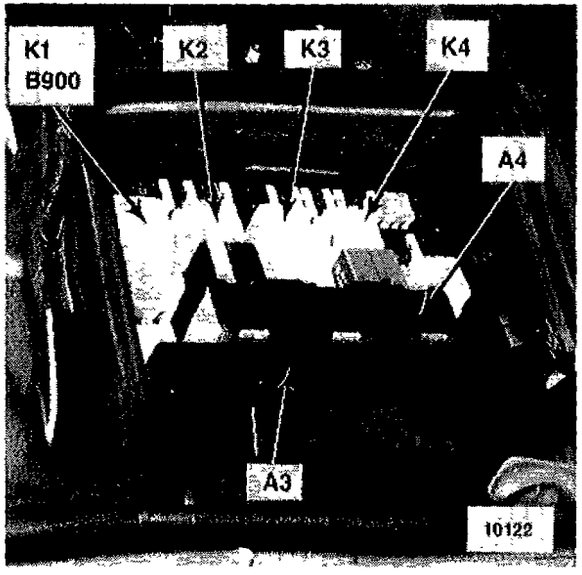


Figure 2- LH Rear Of Engine Compartment

A3 Lamp Control Module
A4 Check Control Module
K1 Starter Relay (Automatic)
K2 Horn Relay
K3 Unloader Relay, KLR
K4 Blower Relay
B900 Jumper Plug (Manual)

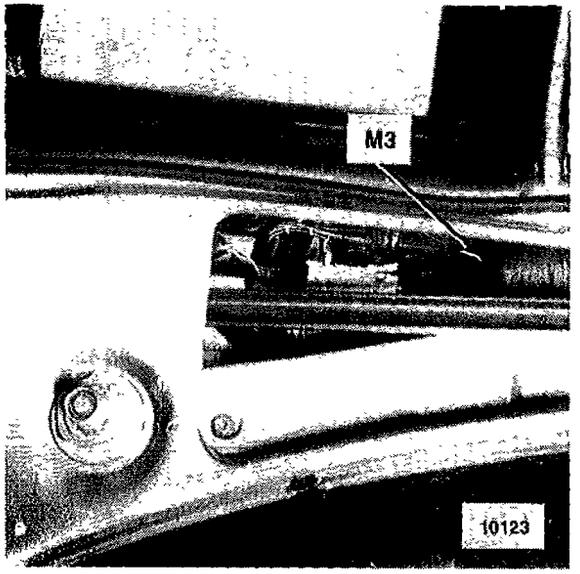


Figure 3- Below LH Fresh Air Cowl

M3 Wiper Motor

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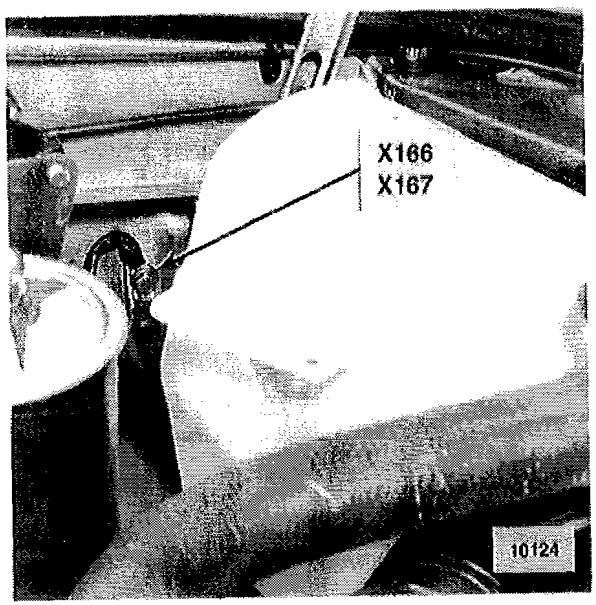


Figure 1- LH Front Of Engine Compartment

X166 Ground
X167 Ground

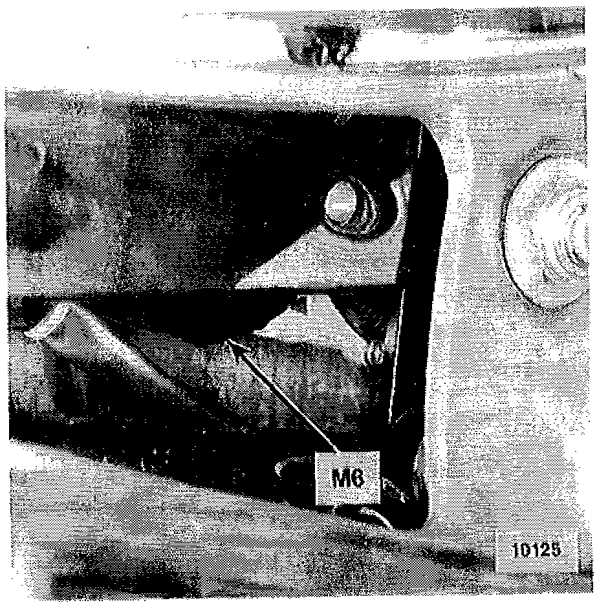


Figure 2- Below LH Fresh Air Cowl

M6 Wiper Pressure Control Motor (ADV)

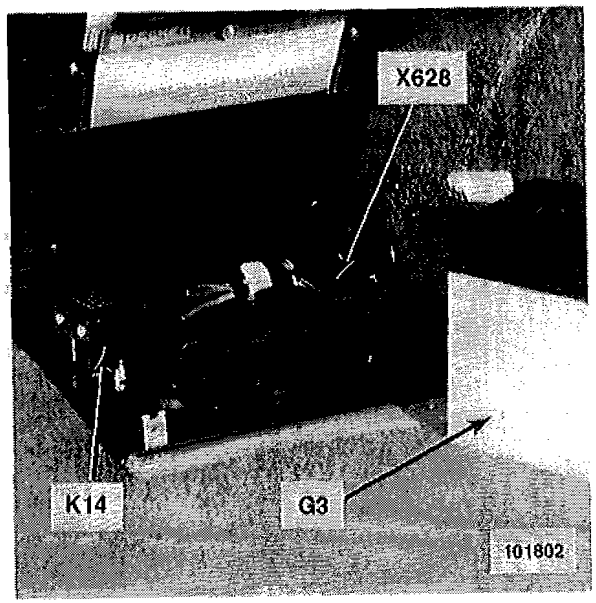


Figure 3- RH Side Of Luggage Compartment

G3 Auxiliary Battery
K14 Auxiliary Battery Relay
X628 Connector (3 pins)

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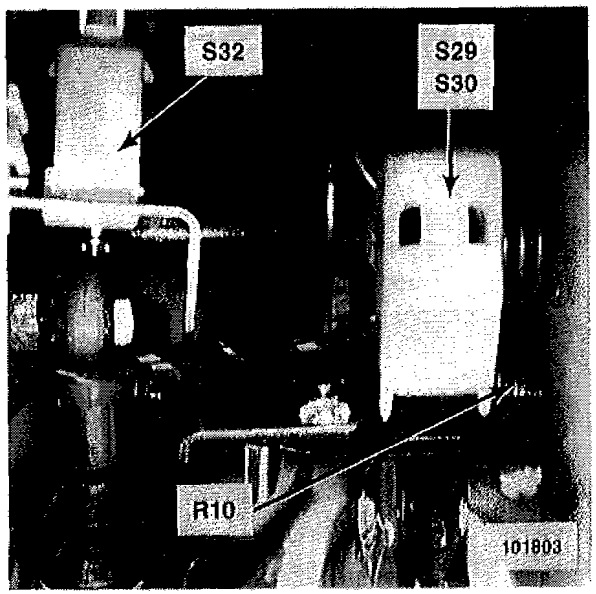


Figure 1- Under LH Side Of Dash

R10 Pedal Position Sensor
S29 Brake Light Switch
S30 Brake Light Test Switch
S32 Clutch Switch

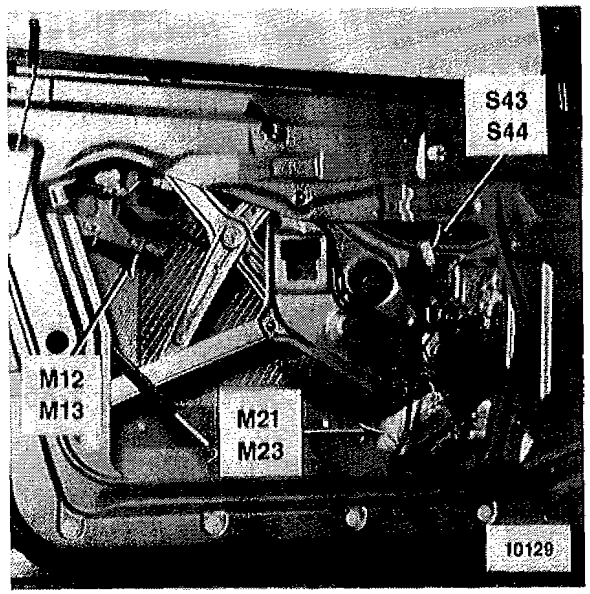


Figure 2- Behind Door Panel (Driver's Shown, Passenger's Similar)

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

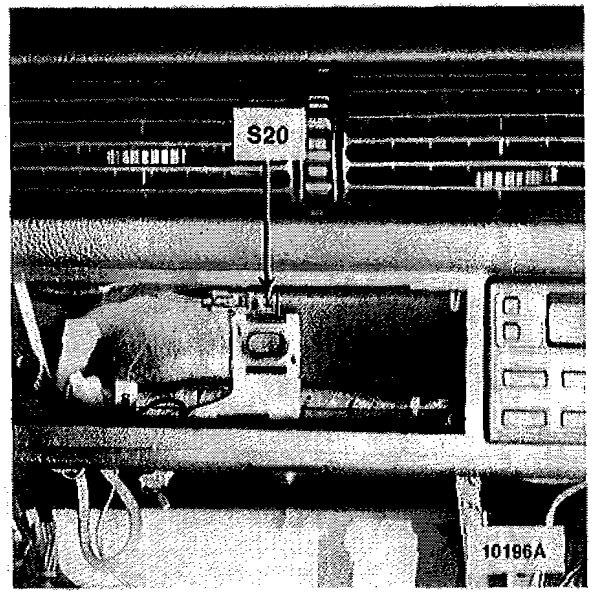


Figure 3- Center Of Dash (Radio Removed)

S20 Radio Antitheft Switch (DWA)

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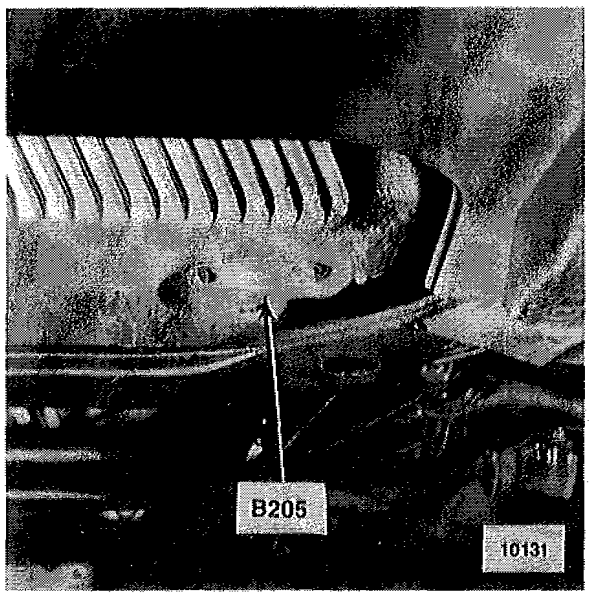


Figure 1- Under Front Of Car

B205 Oil Level Sensor

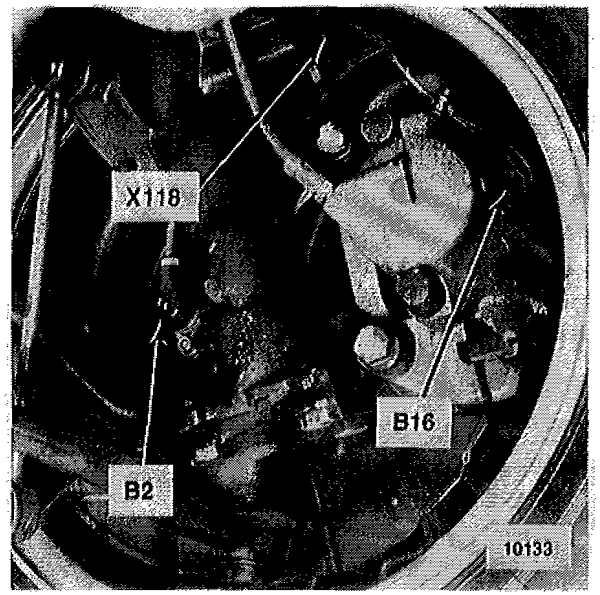


Figure 2- Behind LH Front Wheel

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

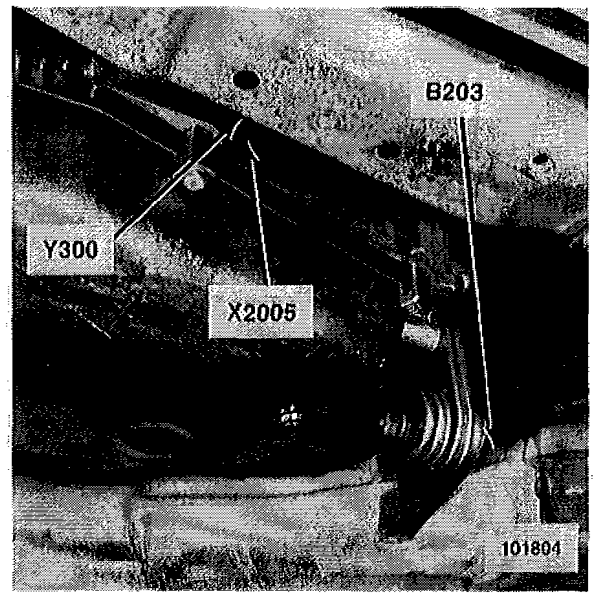


Figure 3- On LH Side Of Transmission

B203 Oxygen Sensor
Y300 Transmission
X2005 Connector (8 pins)

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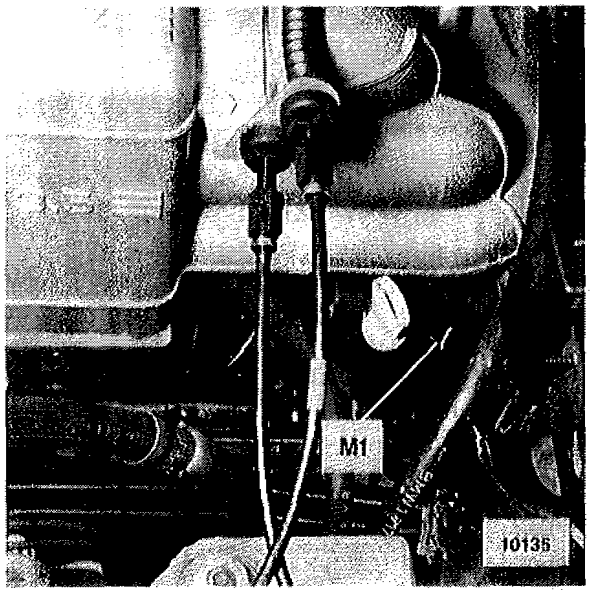


Figure 1- LH Side Of Engine

M1 Starter

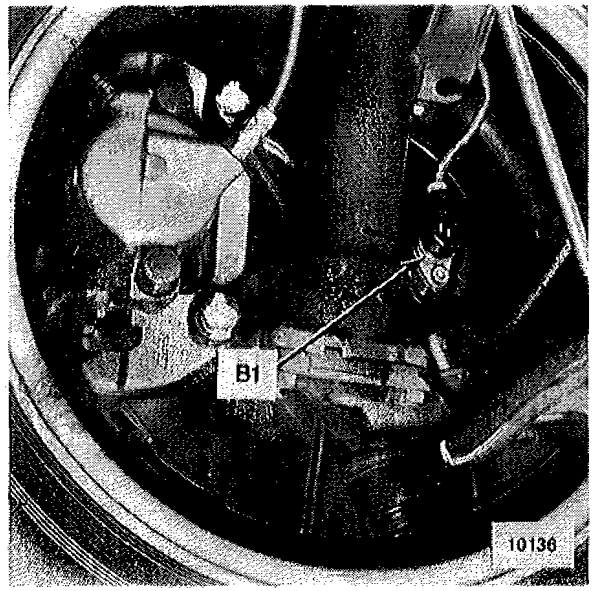


Figure 2- Behind RH Front Wheel

B1 Right Front Speed Sensor

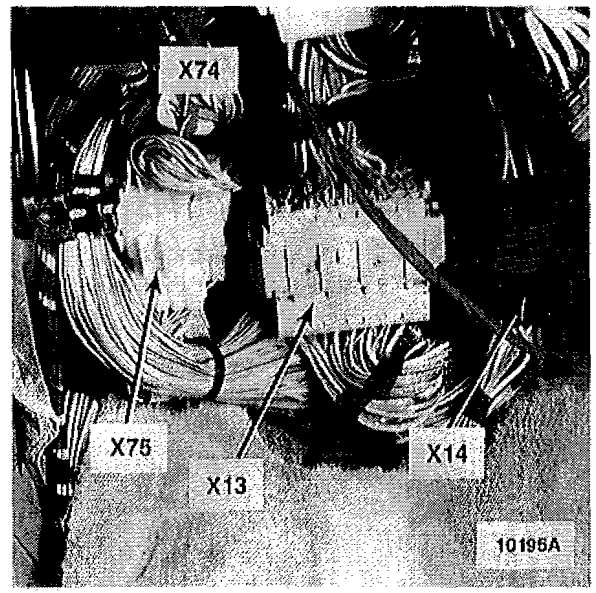


Figure 3- Below LH Side Of Dash

X74 Connector (8 pins)
X75 Connector (6 pins)
X13 Connector (30 pins) BL
X14 Connector (30 pins) SW

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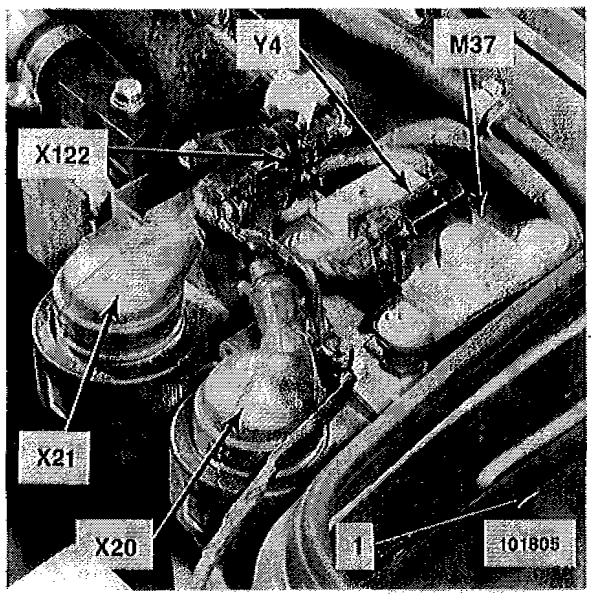


Figure 1- LH Rear Of Engine Compartment

1 Front Power Distribution Box
M37 Water Pump
X20 Connector (20 pins)
Y4 Water Valve Assembly
X122 Connector (2 pins)
X21 Connector (21 pins)

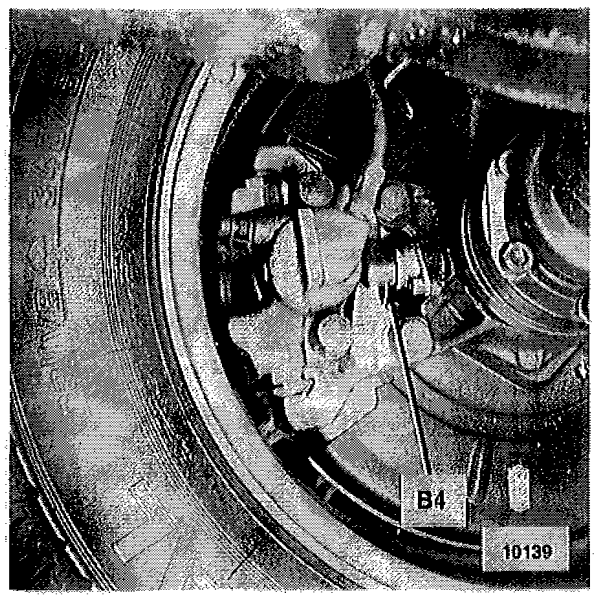


Figure 2- Behind LH Rear Wheel

B4 Left Rear Speed Sensor

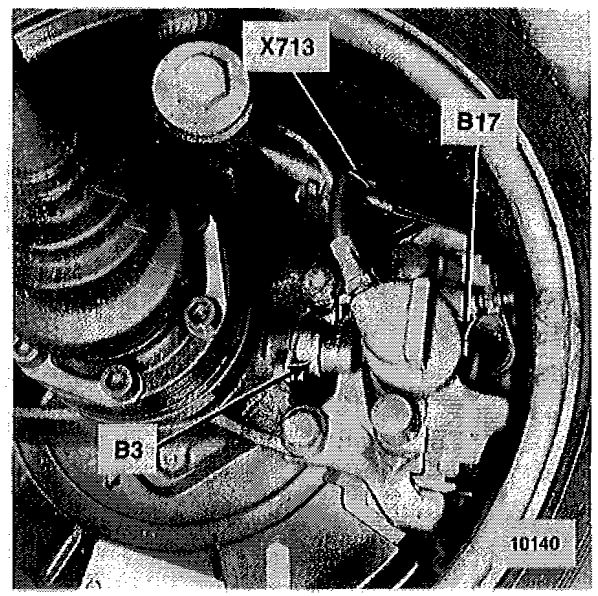


Figure 3- Behind RH Rear Wheel

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

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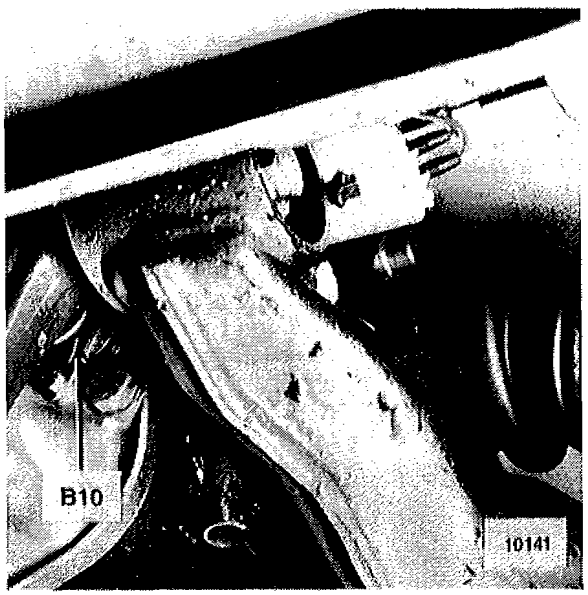


Figure 1- Rear Of Car, On Differential

B10 Vehicle Speed Sensor

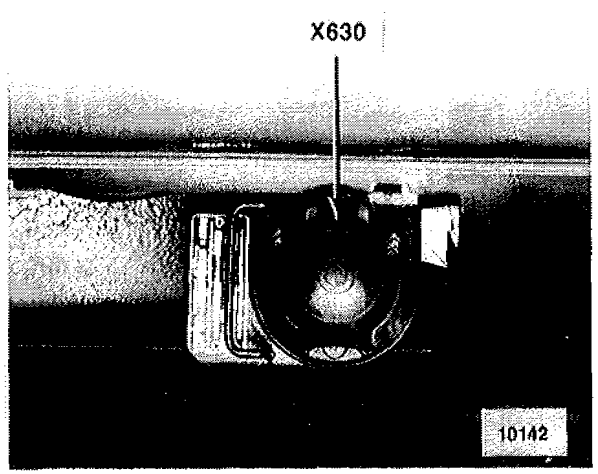


Figure 2- Rear Of Car

X630 Connector (13 pins)

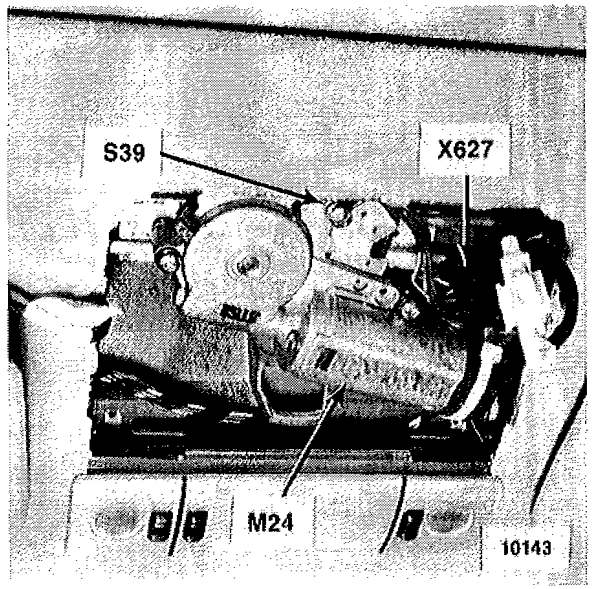


Figure 3- In Center Of Windshield Header

M24 Sunroof Motor
S39 Sunroof Position Switch
X627 Connector (8 pins)

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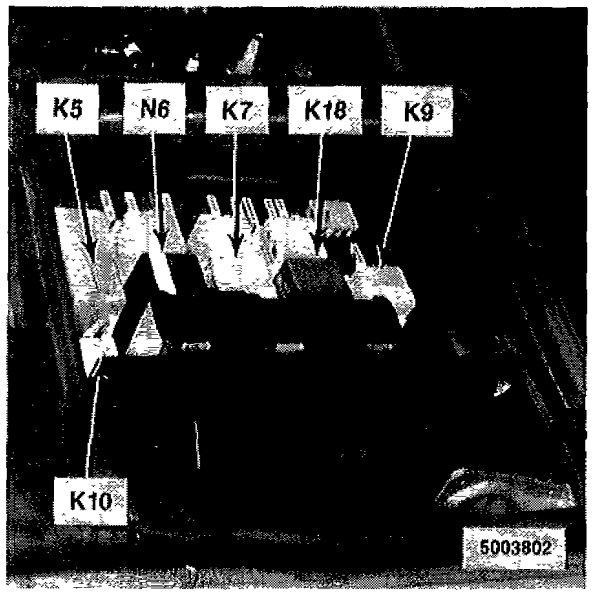


Figure 1- LH Rear Of Engine Compartment

K5 Washer Pump Relay
K7 Parking Light Monitor Relay
K9 Unloader Relay, KL15
K10 ABS Relay
K18 Front Defogger/Water Pump Relay
N6 Headlight/Front Fog Light Module (SRA)

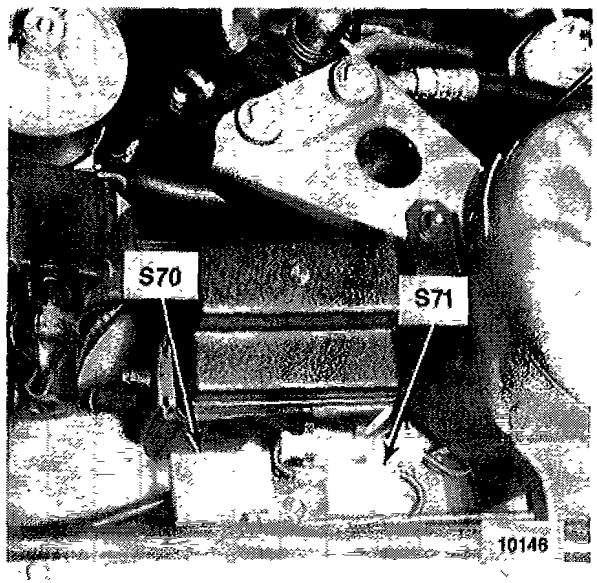


Figure 2- Top Of LH Front Wheel Well

S70 Safety Switch
S71 Left Front Crash Sensor

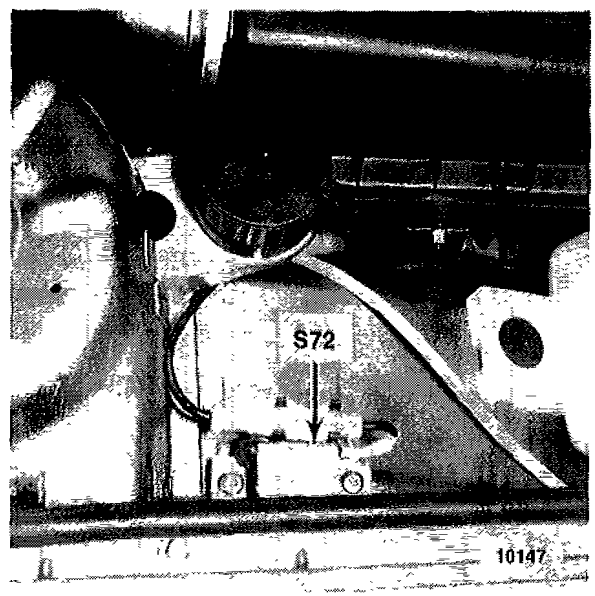


Figure 3- Top Of RH Front Wheel Well

S72 Right Front Crash Sensor

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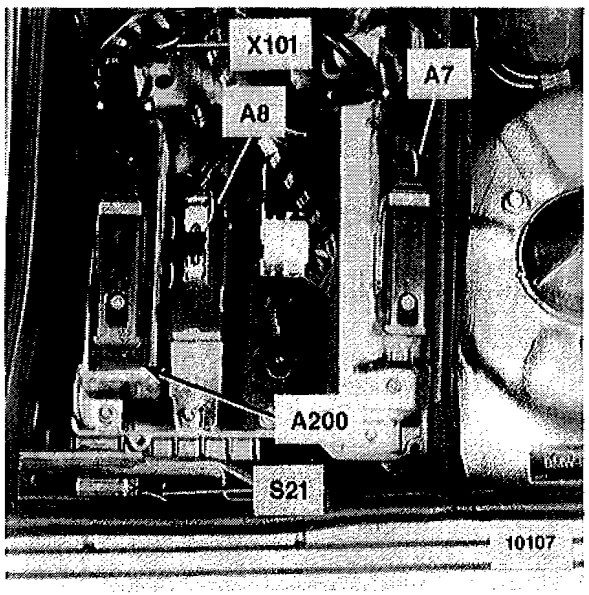


Figure 1- RH Rear Of Engine Compartment

A7 ABS Electronic Control Unit
A8 Cruise Control Module (Tempomat)
A200 Motronic Control Unit (DME)
S21 Engine Hood Switch
X101 Connector (2 pins)

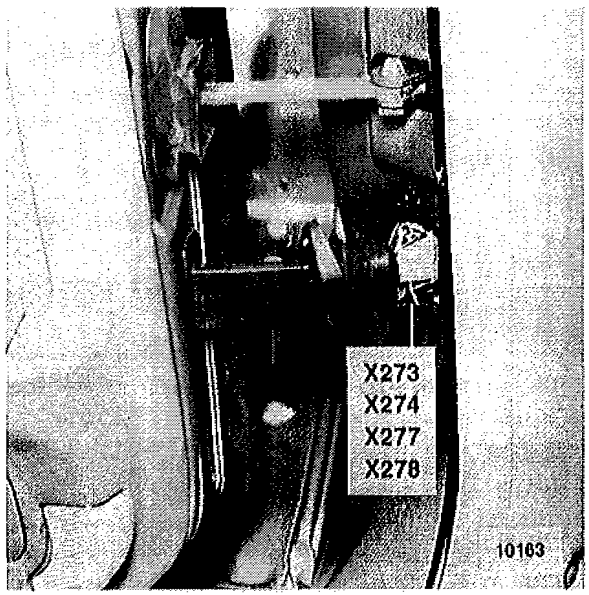


Figure 2- LH Rear Door Jamb (RH Similar)

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

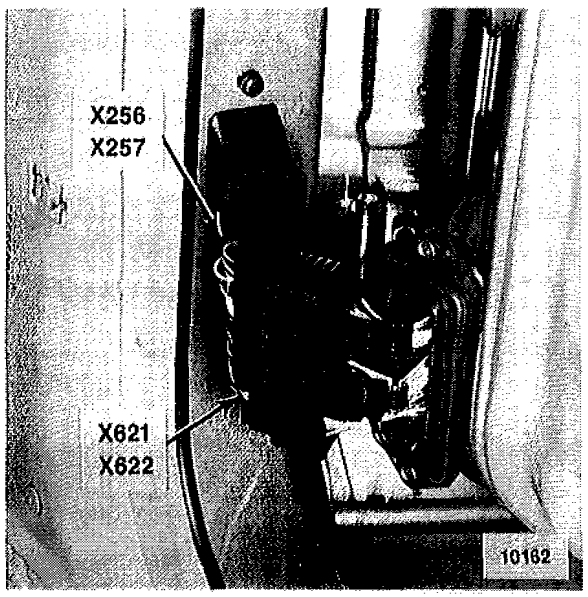


Figure 3- RH Front Door Jamb (LH Similar)

X256 Connector (RH) (26 pins)
X257 Connector (LH) (26 pins)
X621 Connector (RH) (10 pins)
X622 Connector (LH) (10 pins)

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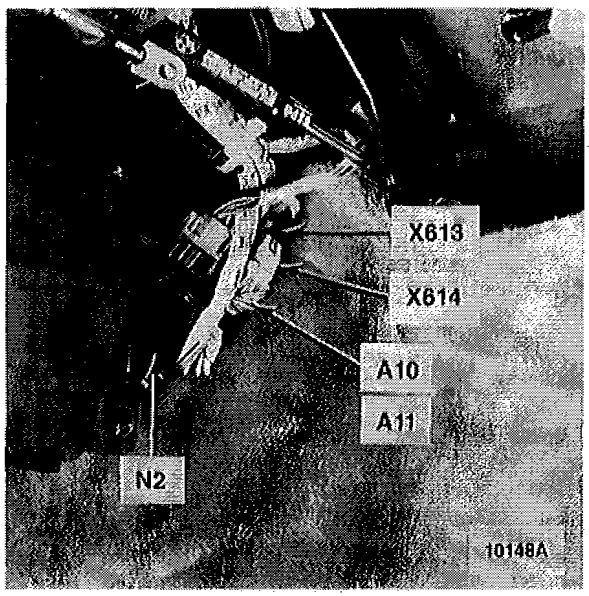


Figure 1- LH Side Of Passenger's Footwell

A10 Electronic Heater Control Unit (IHR)
A11 Automatic Heating and Air Conditioning Control Unit (IHKA)
N2 Final Stage Unit
X613 Connector (26 pins)
X614 Connector (26 pins)

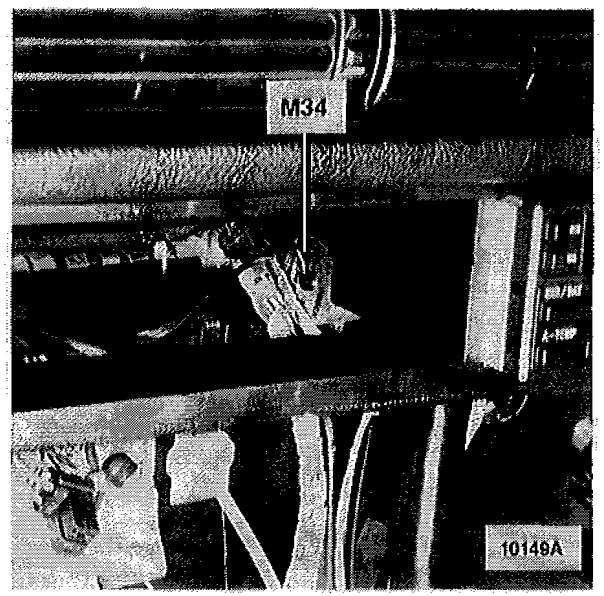


Figure 2- Center Of Dash (Radio Removed)

M34 Right Mixing Flap Motor

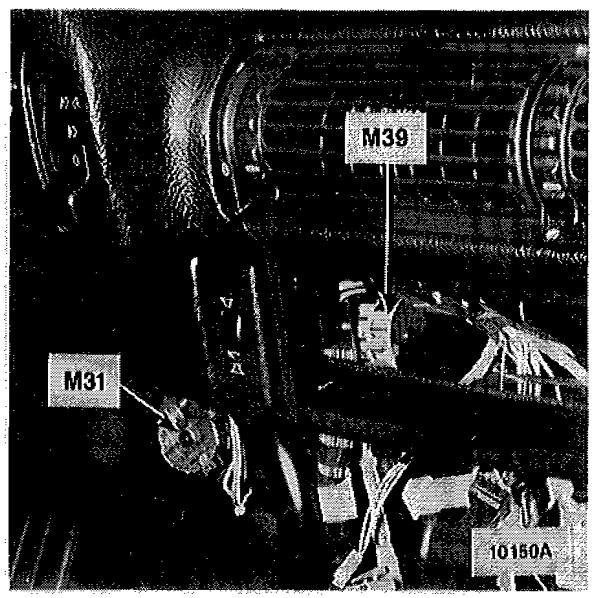


Figure 3- Center Of Dash (Radio Removed)

M31 Left Footwell Flap Motor
M39 Left Mixing Flap Motor

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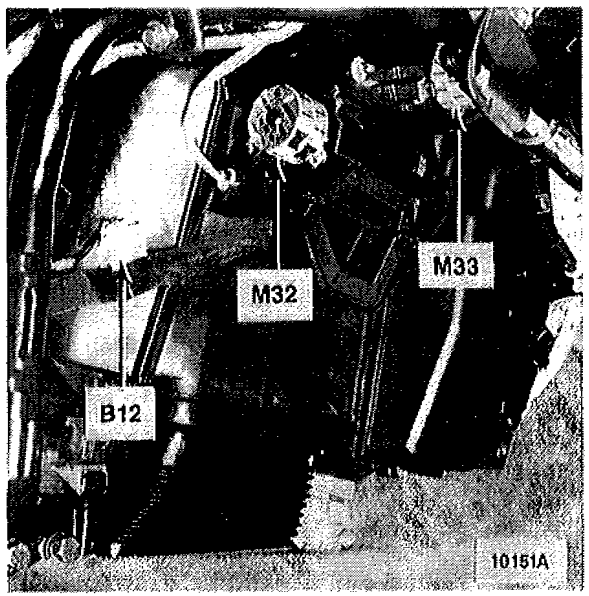


Figure 1- LH Side Of Passenger's Footwell

B12 Right Heat Exchanger Temperature Sensor
M32 Right Footwell Flap Motor
M33 Right Ventilation Flap Motor

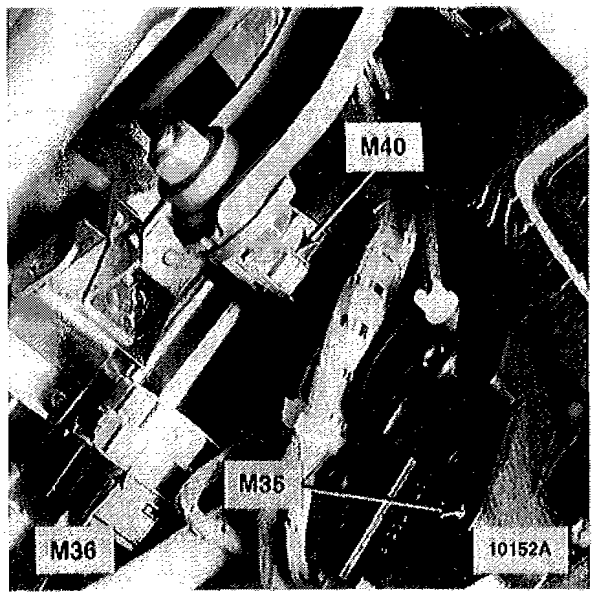


Figure 2- LH Side Of IHR/IHKA Plenum

M35 Defroster Flap Motor
M36 Fresh Air Flap Motor
M40 Air Circulation Flap Motor

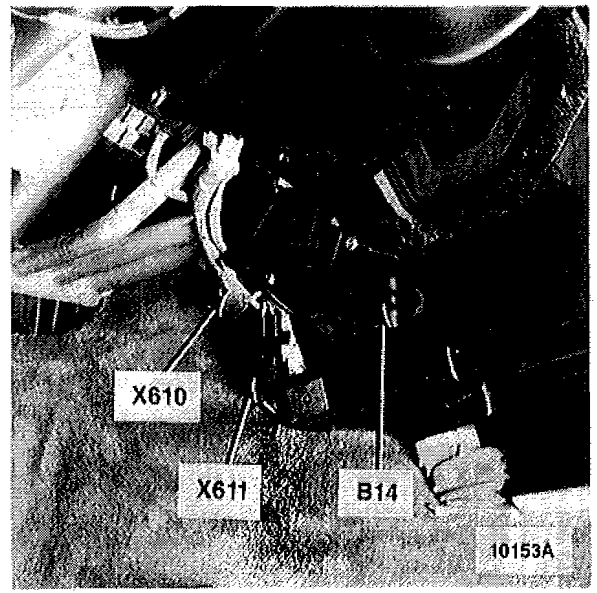


Figure 3- RH Side Of Driver's Footwell

B14 Evaporator Temperature Sensor
X610 Connector (26 pins)
X611 Connector (26 pins)

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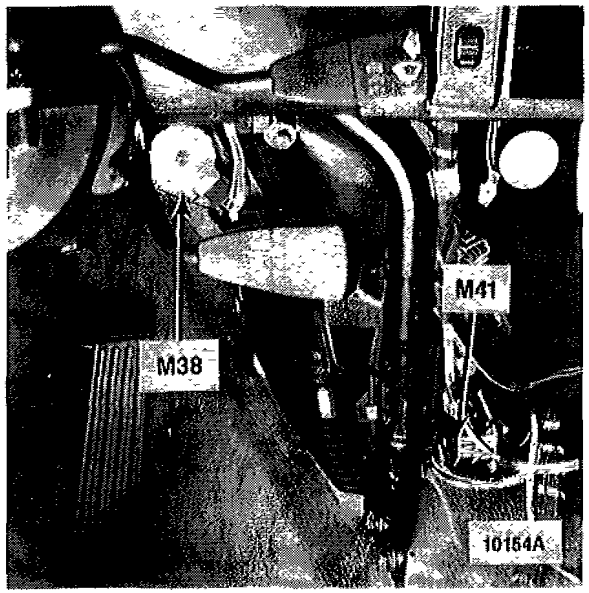


Figure 1- Front LH Side Of Console

M38 Left Ventilation Flap Motor
M41 Rear Compartment Flap Motor

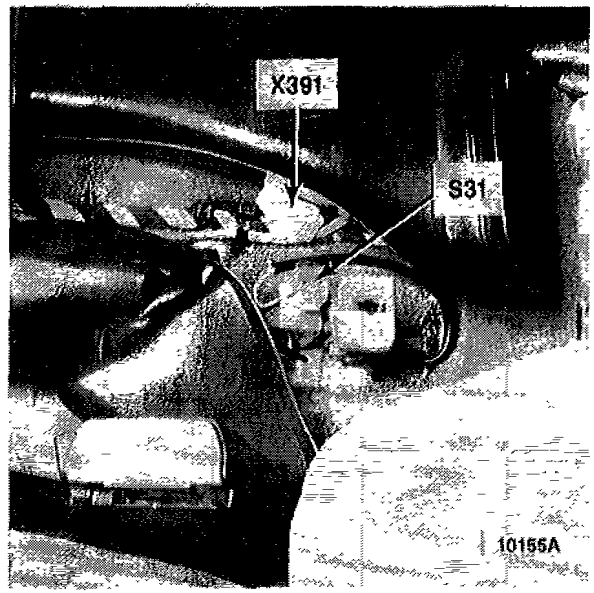


Figure 2- Below Center Console (Console Removed)

S31 Park Brake Switch
X391 Connector (2 pins)

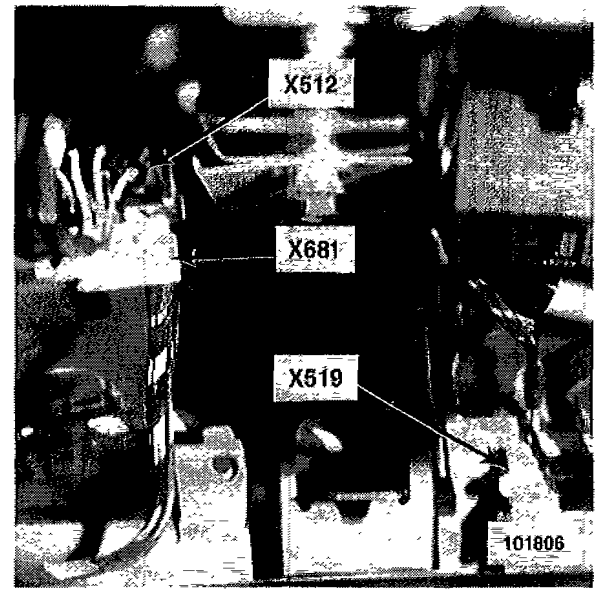


Figure 3- Behind Glove Box

X512 Connector (8 pins)
X681 Connector (3 pins)
X519 Connector (4 pins)

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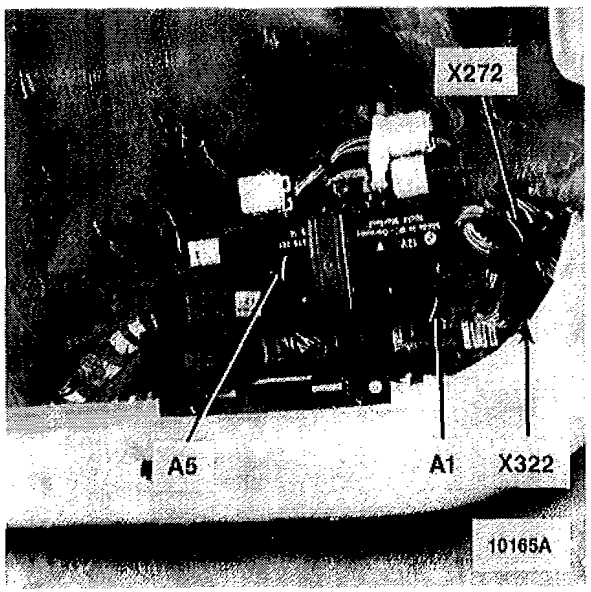


Figure 1- Below LH Side Of Rear Seat

A1 General Module
A5 Relay Module
X272 Connector (12 pins)
X322 Connector (6 pins)

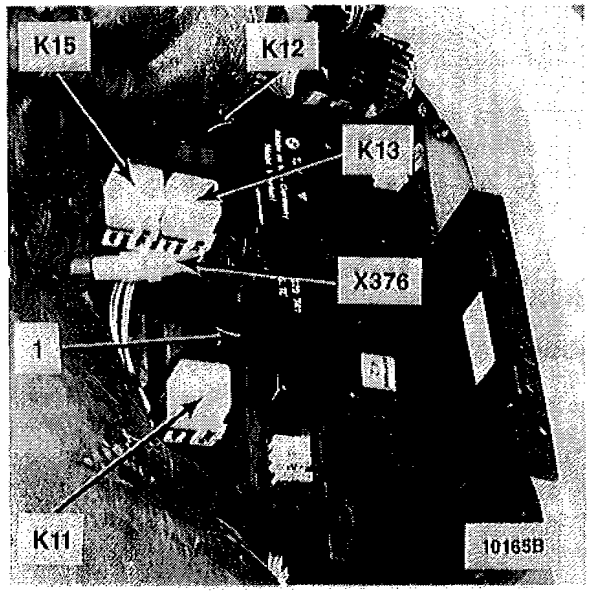


Figure 2- Below LH Side Of Rear Seat

1 Rear Power Distribution Box
K11 Wiper Relay
K12 Wiper Pressure Control Relay (ADV)
K13 Rear Defogger Relay
K15 Electric Power Protection Relay
X376 Connector (2 pins)

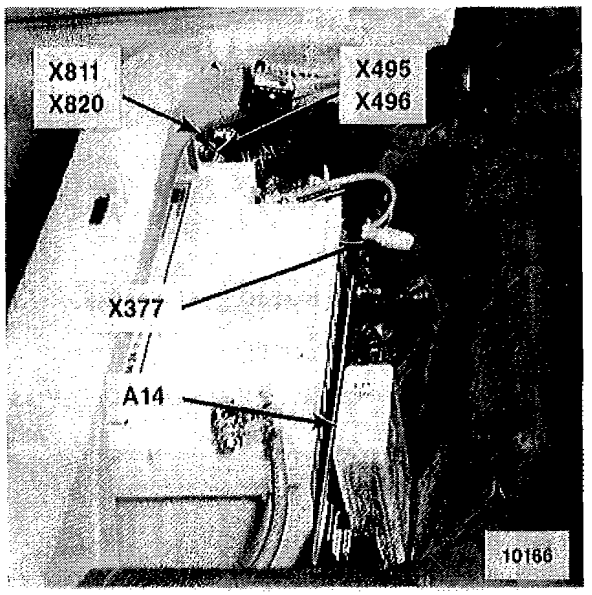


Figure 3- Below RH Side Of Rear Seat

A14 Park Heating/Ventilation Control Unit
X377 Connector (2 pins)
X495 Ground
X496 Ground
X811 Ground
X820 Ground

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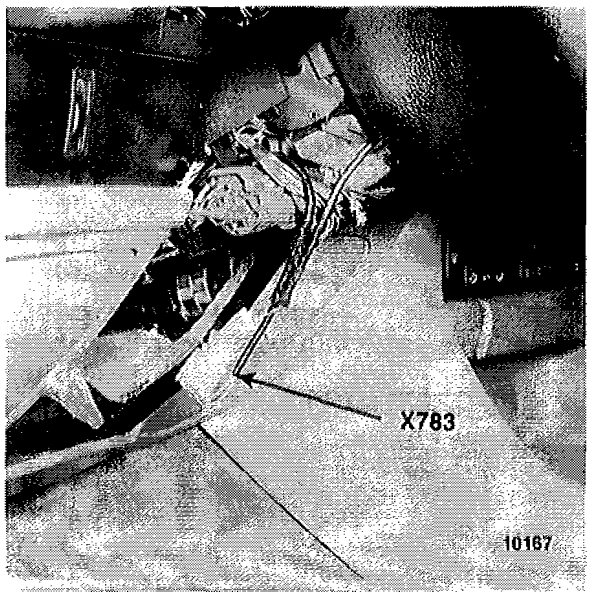


Figure 1- Underside Of Steering Column

X783 Connector (2 pins)

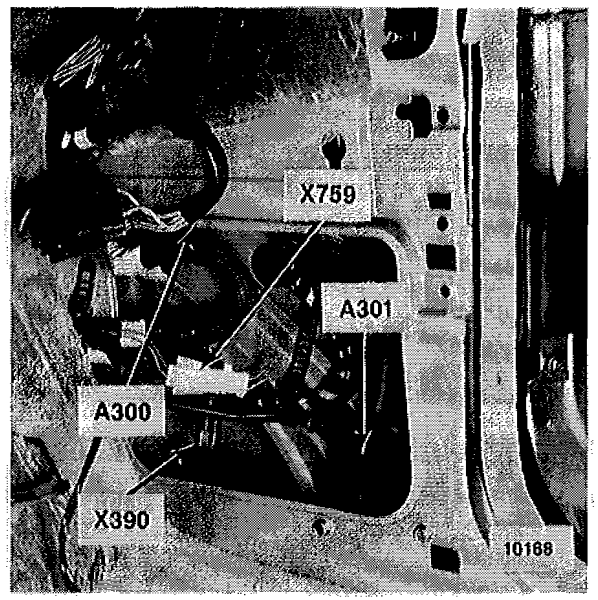


Figure 2- RH Side Of Passenger's Footwell, Behind Speaker Panel

A300 Electronic Transmission Control Unit (AEGS)
X390 Connector (2 pins)
X759 Connector (2 pins)
A301 Kick-Down Prevent Relay

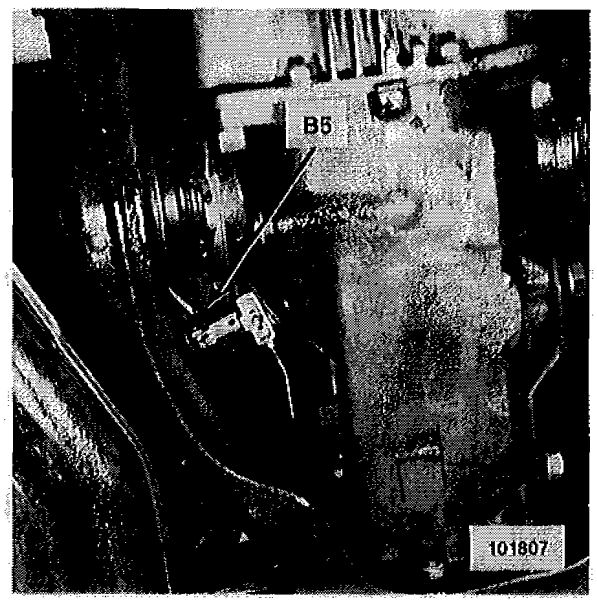


Figure 3- LH Side of Differential

B5 Level Control Unit

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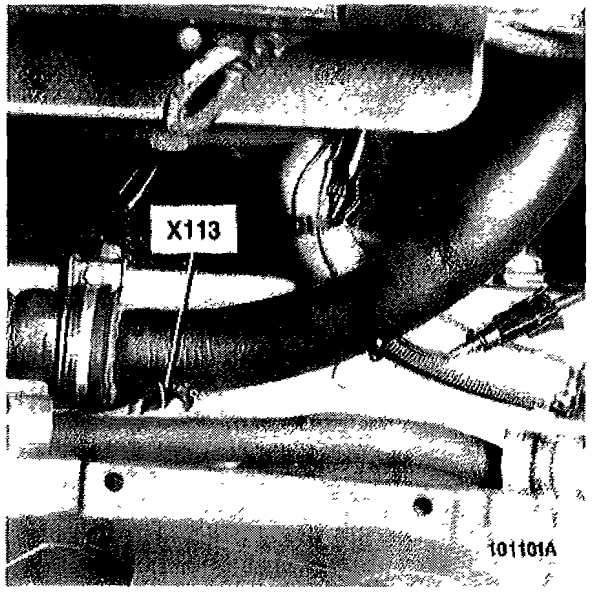


Figure 1- Lower RH Side Of Engine Compartment

X113 Connector (2 pins)

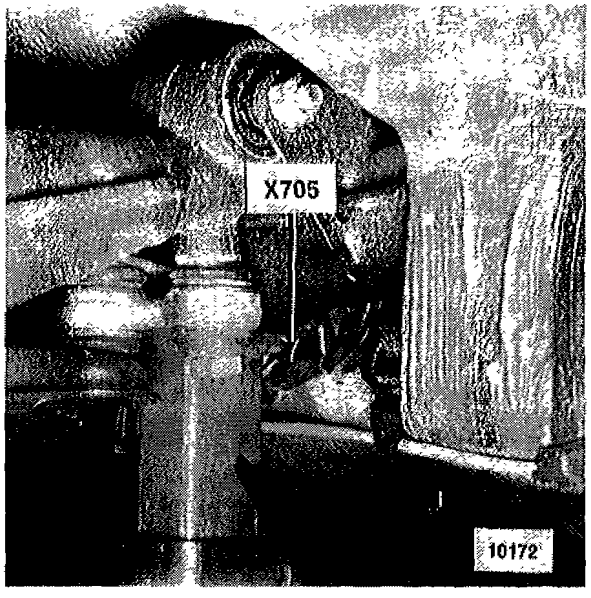


Figure 2- Front Of RH Rear Wheel Well

X705 Connector (2 pins)

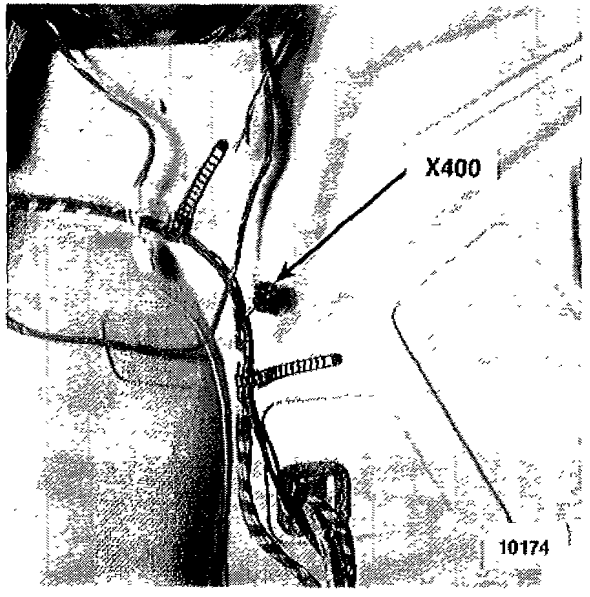


Figure 3- RH Rear Wheel Well (Behind Seat)

X400 Connector (2 pins)

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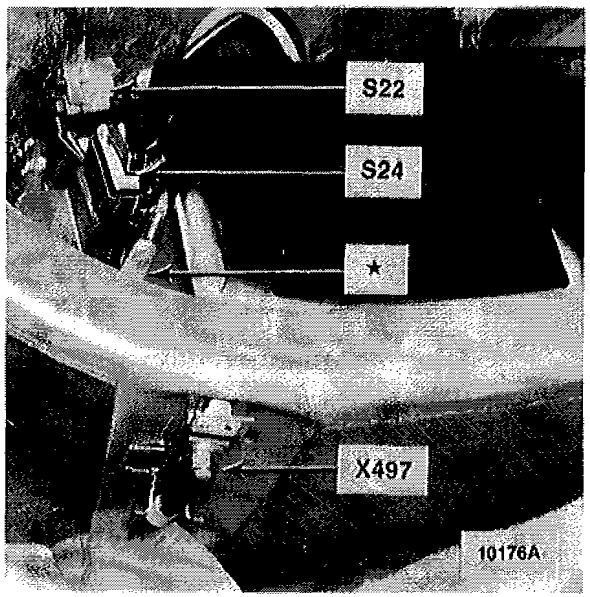


Figure 1- Under RH Side Of Rear Seat

★ Fusible Link A
S22 Battery Switch
S24 Rear Seat Switch
X497 Ground (Battery)

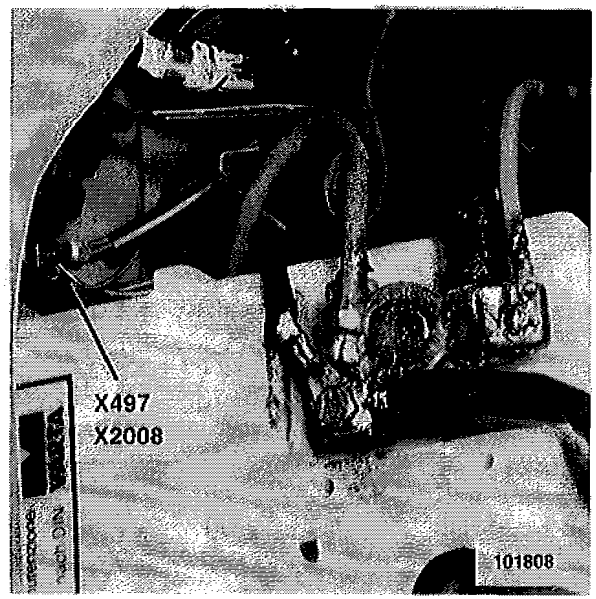


Figure 2- Under RH Side Of Rear Seat

X497 Ground
X2008 Ground

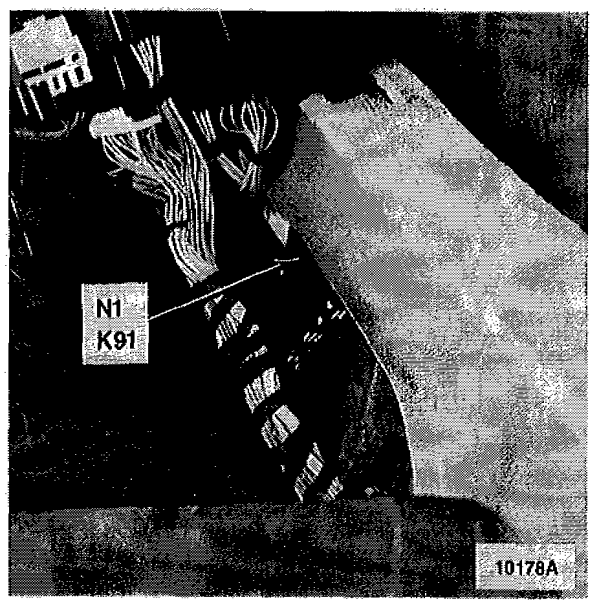


Figure 3- Under LH Side Of Rear Seat

N1 Antitheft Module (DWA)
K91 On-Board Computer Horn Relay

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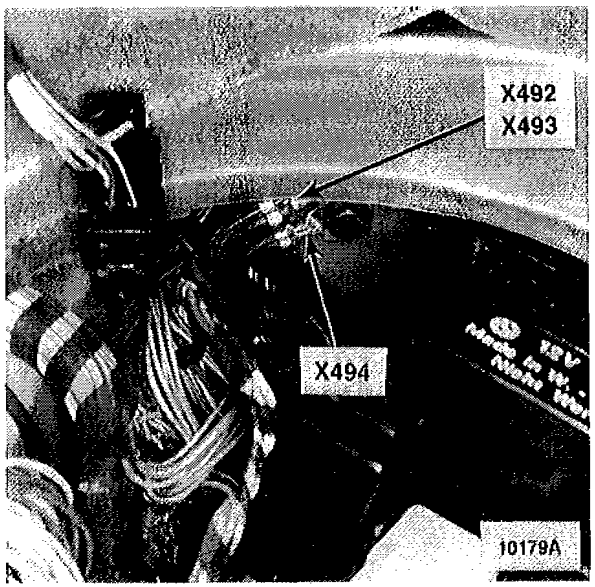


Figure 1- Under LH Side Of Rear Seat

X492 Ground
X493 Ground
X494 Ground

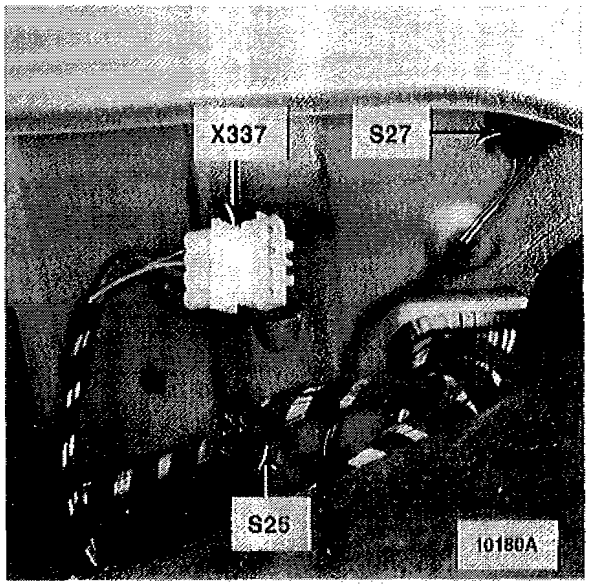


Figure 2- Below LH Side Of Rear Seat

S25 Coding Plug
S27 Inertia Switch
X337 Connector (4 pins)

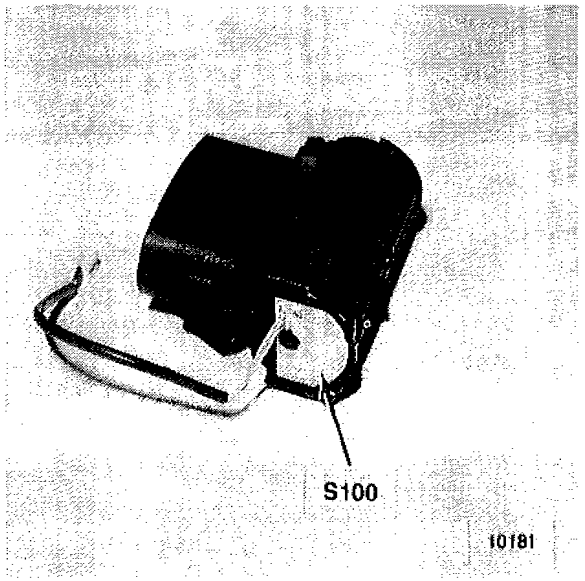


Figure 3- IHR/IHKA Rear Vent

S100 Rear Vent Flap Switch

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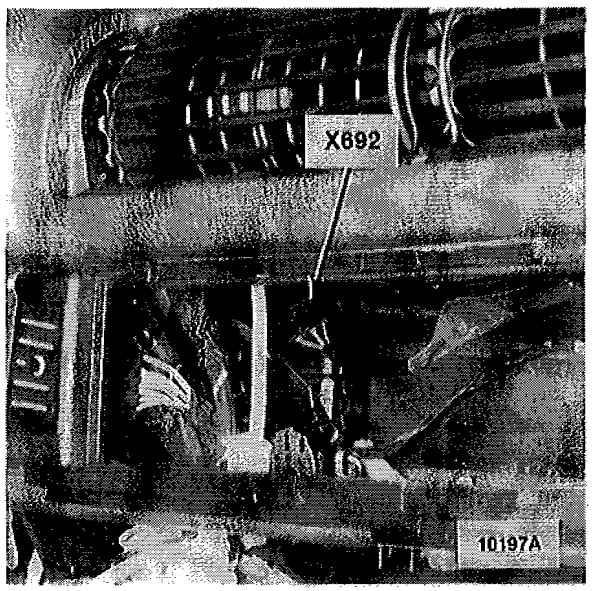


Figure 1- Center Of Dash (Radio Removed)

X692 Connector (3 pins)

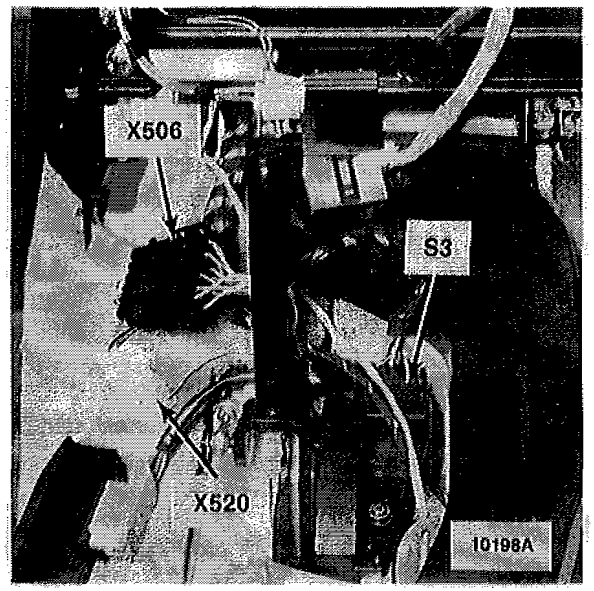


Figure 2- Under Center Console (Console Removed)

S3 Automatic Transmission Range Switch
X506 Connector (12 pins)
X520 Connector (3 pins)

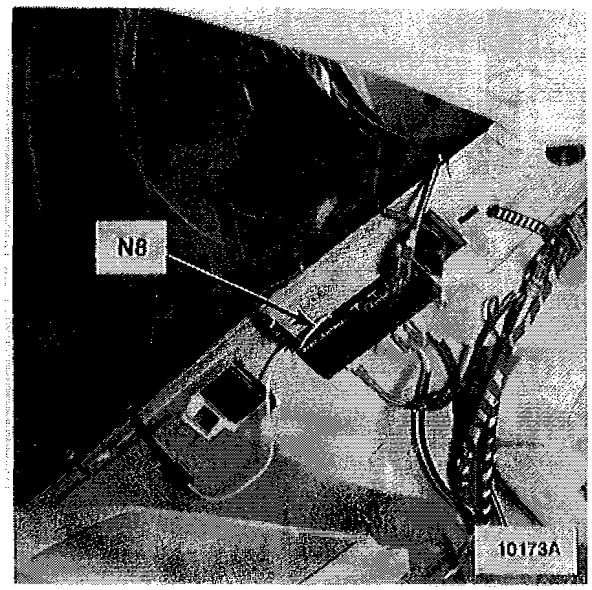


Figure 3- In LH C Pillar

N8 Antenna Amplifier

cardiagn.com

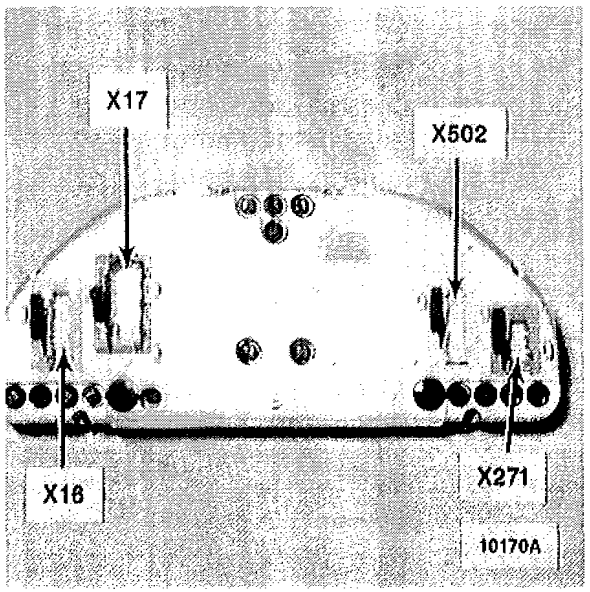


Figure 1- Rear Of Instrument Cluster

X16 Connector (26 pins)
X17 Connector (6 pins)
X271 Connector (12 pins)
X502 Connector (26 pins)

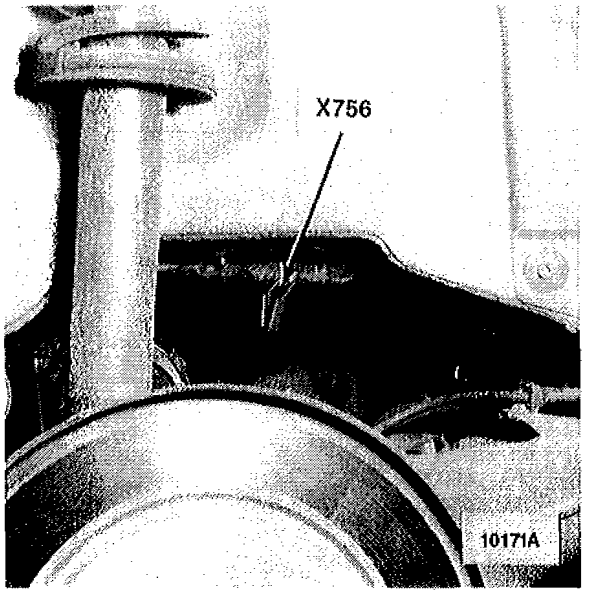


Figure 2- RH Rear Wheel Well

X756 Connector (2 pins)

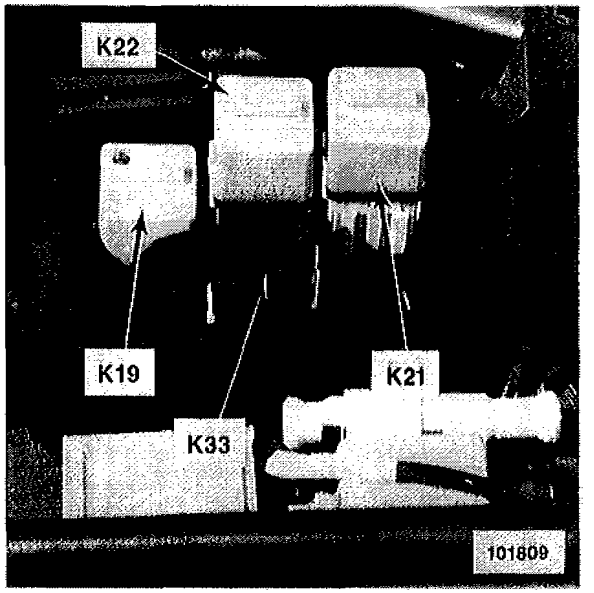


Figure 3- Top Of LH Front Wheel Well

K19 Compressor Control Relay
K21 Normal Speed Relay
K22 High Speed Relay
K33 Air Conditioning Motronic Relay

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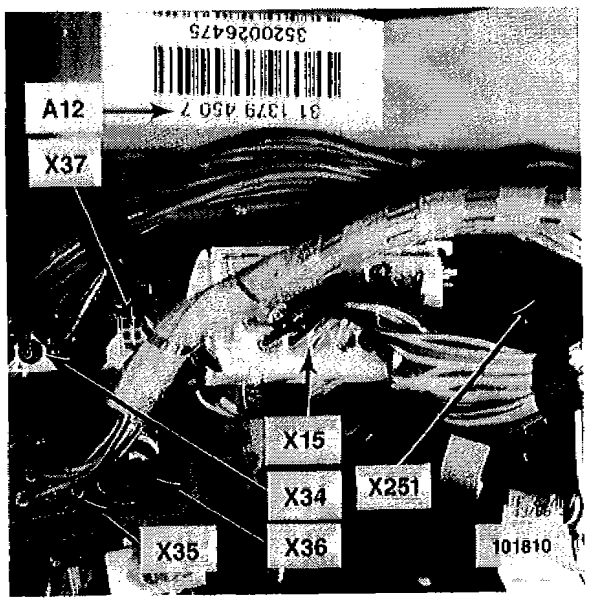


Figure 1- Below LH Side Of Dash

A12 Diagnostic Module (SRS)
X15 Connector (30 pins) WS
X34 Connector (12 pins) WS
X35 Connector (12 pins) SW
X36 Connector (10 pins) SW
X37 Connector (10 pins) WS
X251 Connector (30 pins) SW

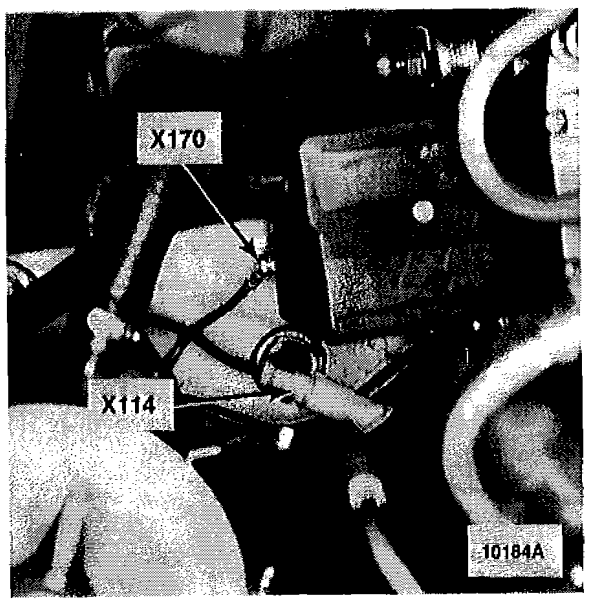


Figure 2- Lower LH Side Of Engine Compartment

X114 Connector (2 pins)
X170 Ground

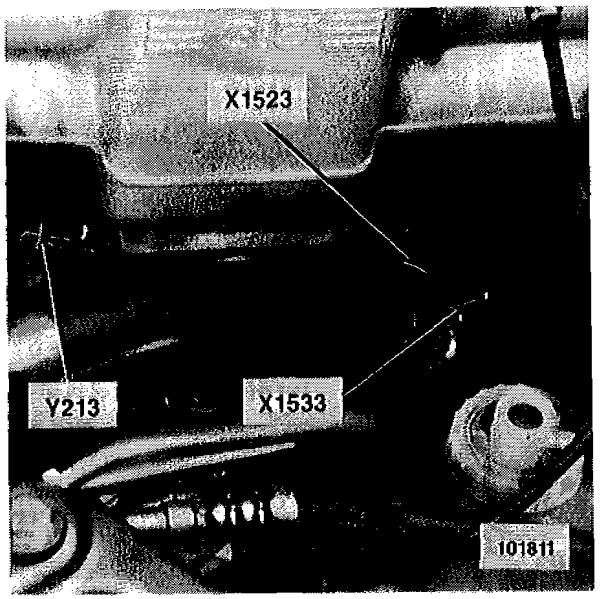


Figure 3- Lower LH Side Of Engine

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

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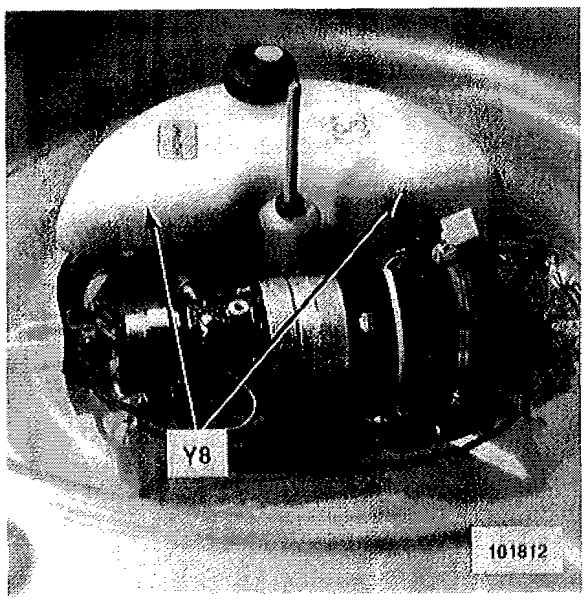


Figure 1- Spare Tire Housing

Y8 Hydraulic Height Level Control System

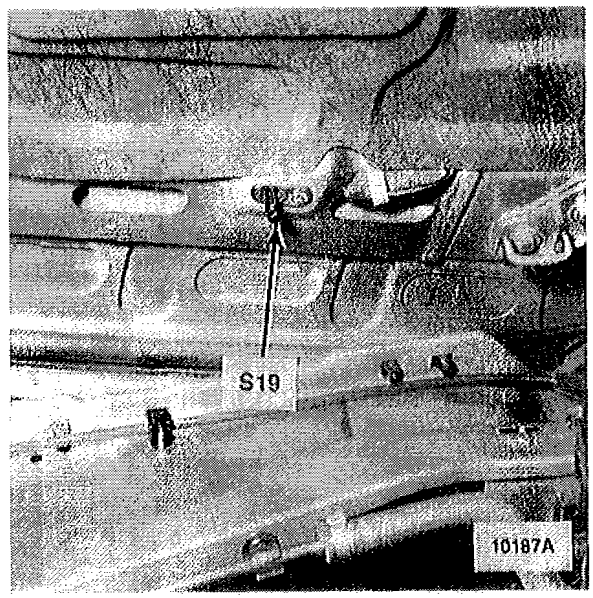


Figure 2- LH Front Of Engine Hood

S19 Underhood Light Switch

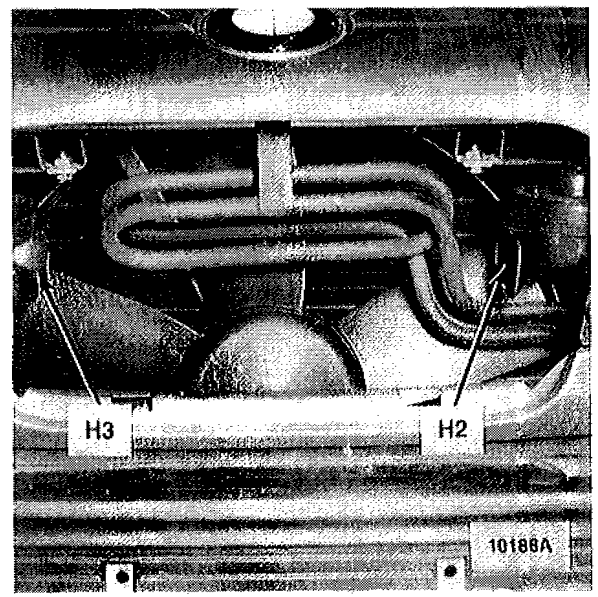


Figure 3- Front Of Car (Grille Removed)

H2 Left Horn
H3 Right Horn

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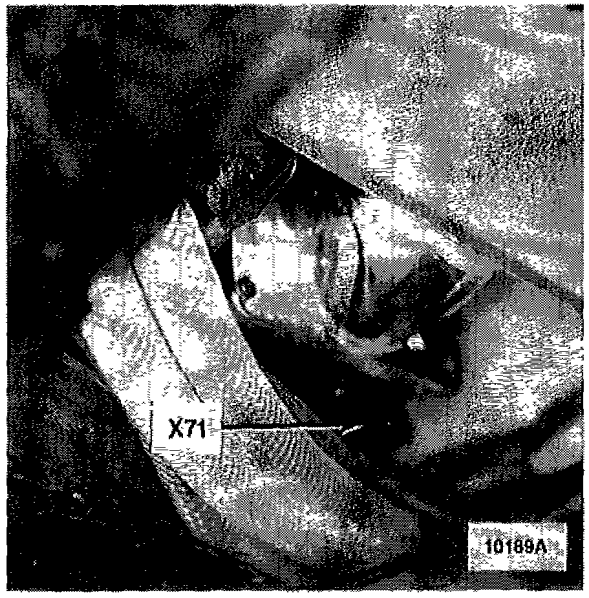


Figure 1- Behind LH Fog Light

X71 Connector (8 pins)



Figure 2- Below LH Side Of Dash

X770 Connector (2 pins)

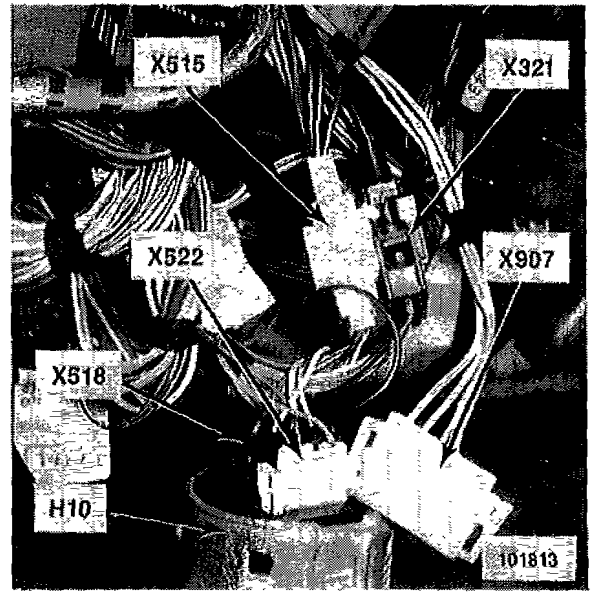


Figure 3- Below LH Side Of Dash

H10 Chime Module
X321 Connector (6 pins) SW
X515 Connector (6 pins) WS
X518 Connector (4 pins) SW
X522 Connector (3 pins) WS
X907 Connector (6 pins) WS

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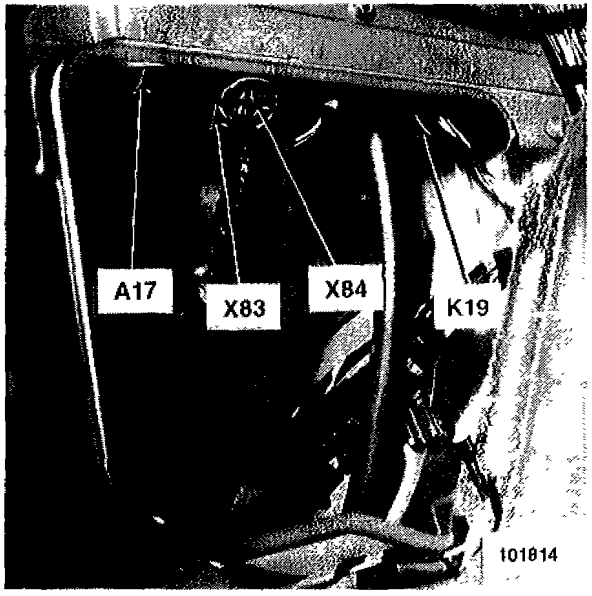


Figure 1- LH Side Of Driver's Footwell

A17 Servotronic Control Unit
K19 Compressor Control Relay
X83 Connector (3 pins)
X84 Connector (3 pins)
X683 Connector (3 pins)

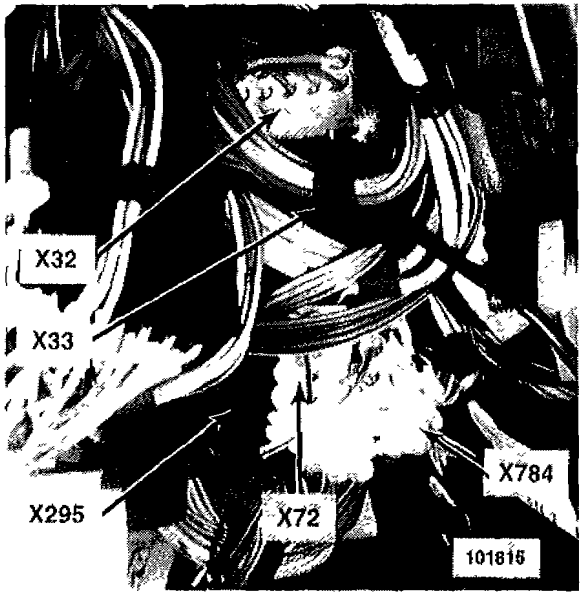


Figure 2- Below LH Side Of Dash

X32 Connector (12 pins) WS
X33 Connector (12 pins) SW
X72 Connector (8 pins) WS
X295 Connector (8 pins) SW
X784 Connector (2 pins)

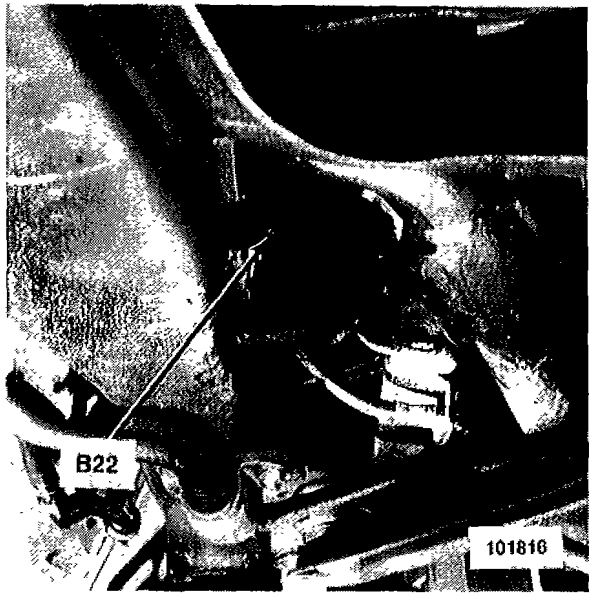


Figure 3- RH Side Of Differential

B22 Wheel Camber Control Unit

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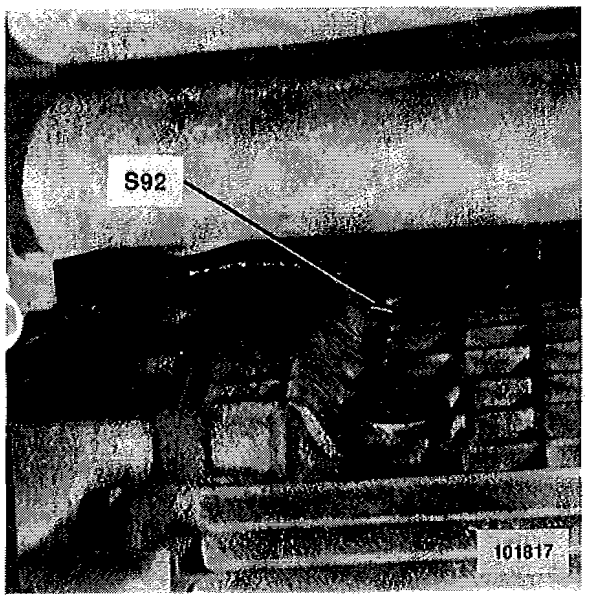


Figure 1- RH Side Of Transmission

S92 Manual Transmission Back Up Switch



Figure 2- Center Of Console

X546 Connector (2 pins)

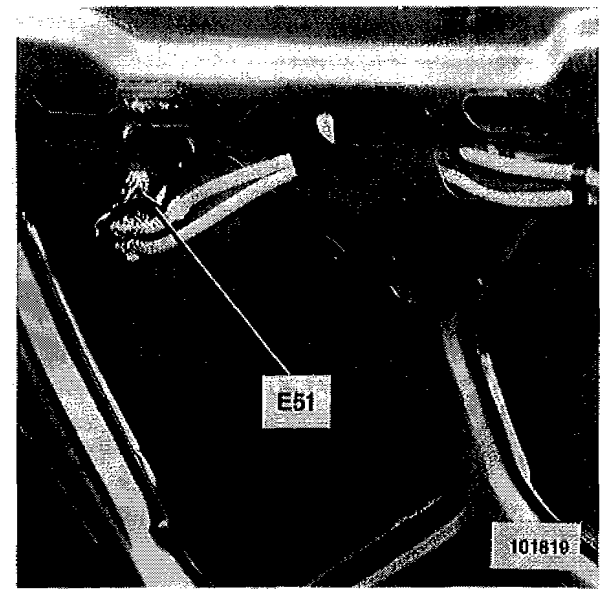


Figure 3- Engine Hood

E51 Left Washer Jet Heater

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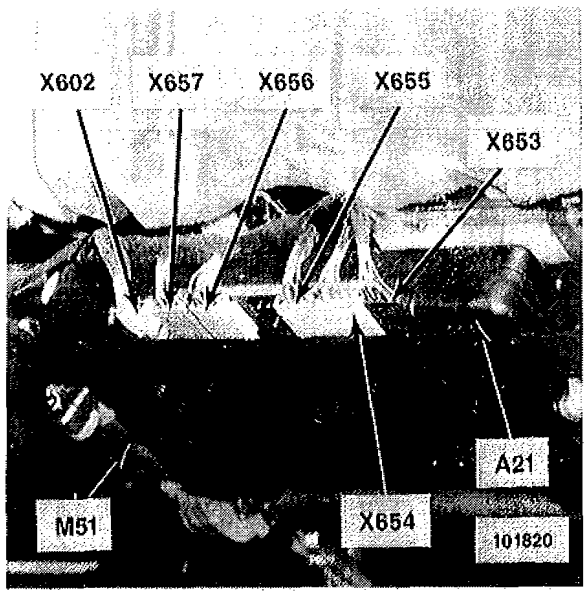


Figure 1- Front Of Driver's Seat

A21 Memory Seat/Mirrors Control Unit
M51 Driver's Seat Movement Motor
X602 Connector (26 pins) WS
X653 Connector (6 pins) SW
X654 Connector (6 pins) WS
X655 Connector (6 pins) BL
X656 Connector (6 pins) GN
X657 Connector (6 pins) BN

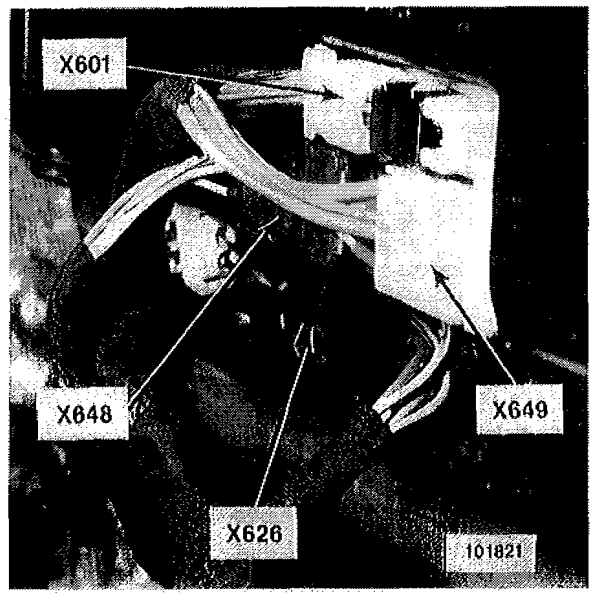


Figure 2- Under Driver's Seat

X601 Connector (26 pins) GE
X648 Connector (6 pins) SW
X649 Connector (6 pins) WS
X626 Connector (8 pins) SW

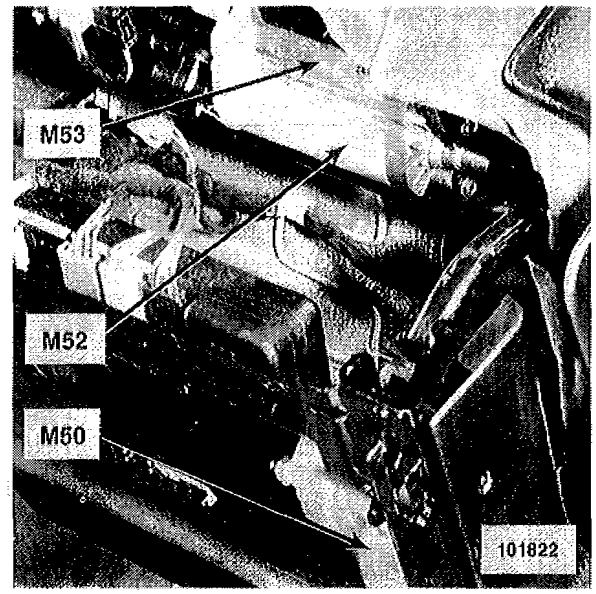


Figure 3- Under Driver's Seat (with Memory) Motor Position Without Memory Similar

M50 Driver's Seat Cushion Tilt Motor
M52 Driver's Seat Height Motor
M53 Driver's Seatback Recliner Motor

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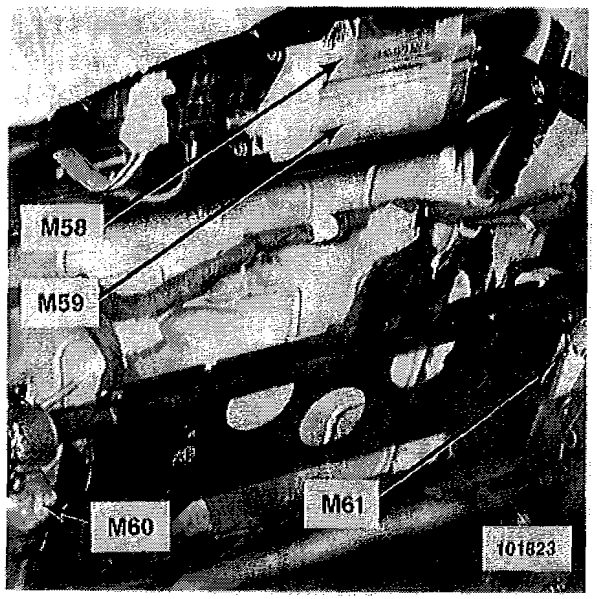


Figure 1- Under Passenger's Seat

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

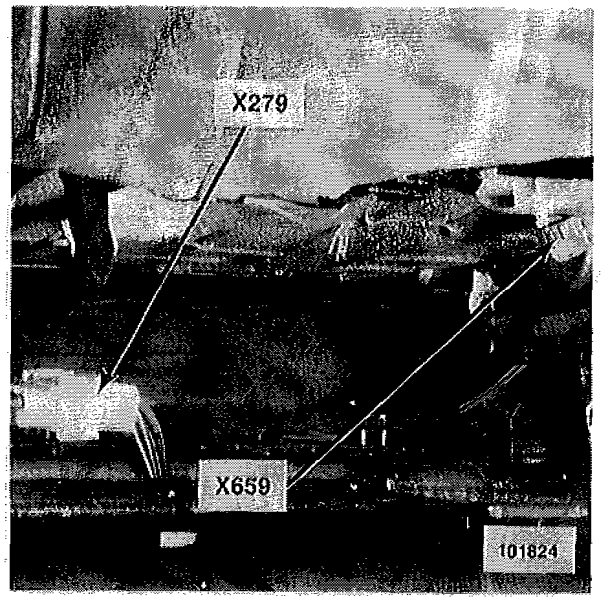


Figure 2- Under Passenger's Seat

X279 Connector (12 pins)
X659 Connector (6 pins)

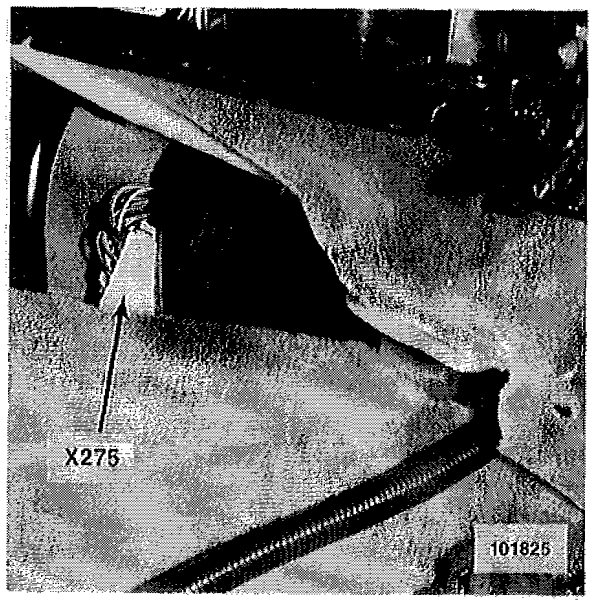


Figure 3- Under Driver's Seat (with Memory)

X275 Connector (12 pins)

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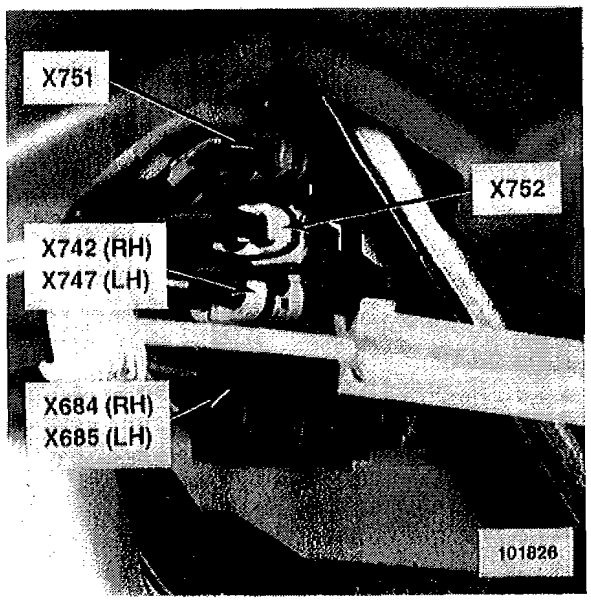


Figure 1- Driver's Door (Passenger's Door Similar)

X684 Connector (3 pins) (Passenger's Door)
X685 Connector (3 pins) SW
X742 Connector (2 pins) (Passenger's Door)
X747 Connector (2 pins) GE
X751 Connector (2 pins) WS
X752 Connector (2 pins) BL

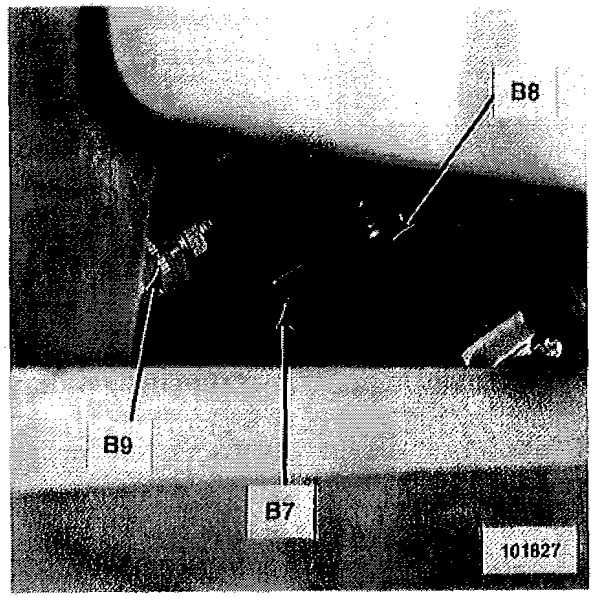


Figure 2- RH Front Of Engine Compartment

B7 Low Pressure Switch
B8 High Pressure Switch
B9 Intermediate Pressure Switch

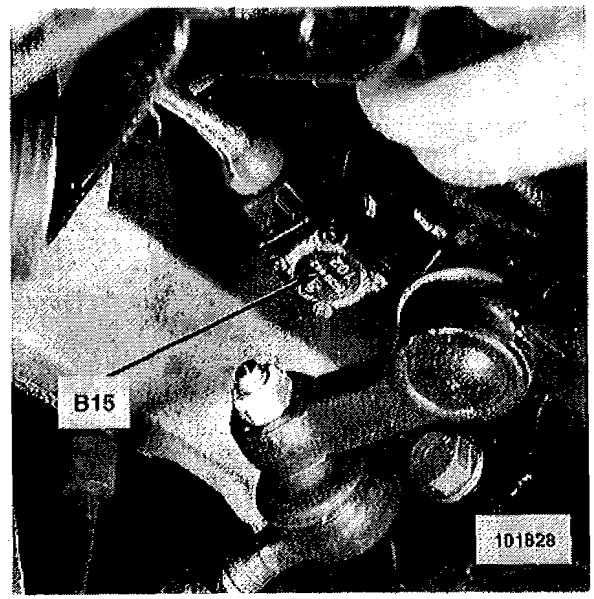


Figure 3- Behind LH Front Wheel

B15 Electro-Hydraulic Converter (Servotronic)

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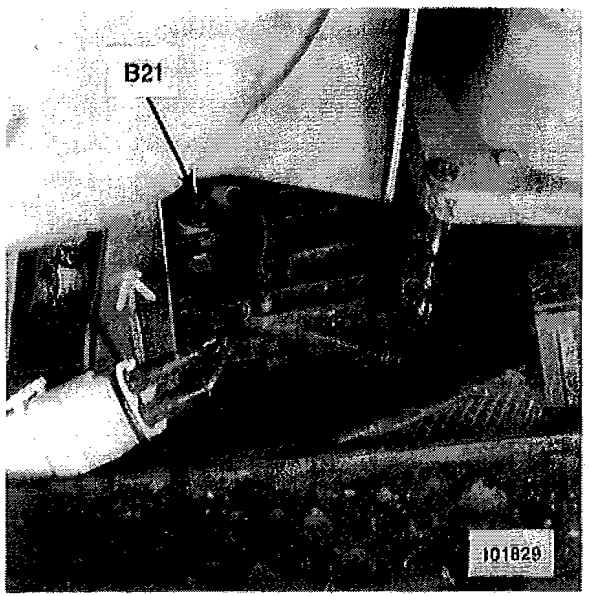


Figure 1- Lower RH Front

B21 On-Board Computer Temperature Sensor

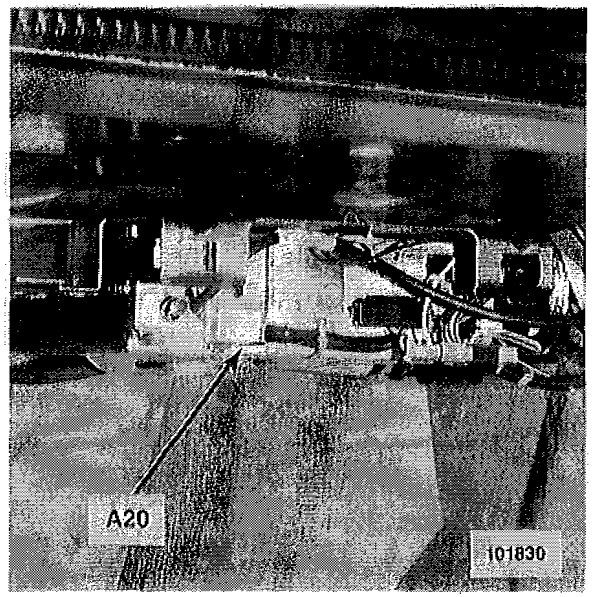


Figure 2- In Luggage Compartment

A20 Booster/Amplifier

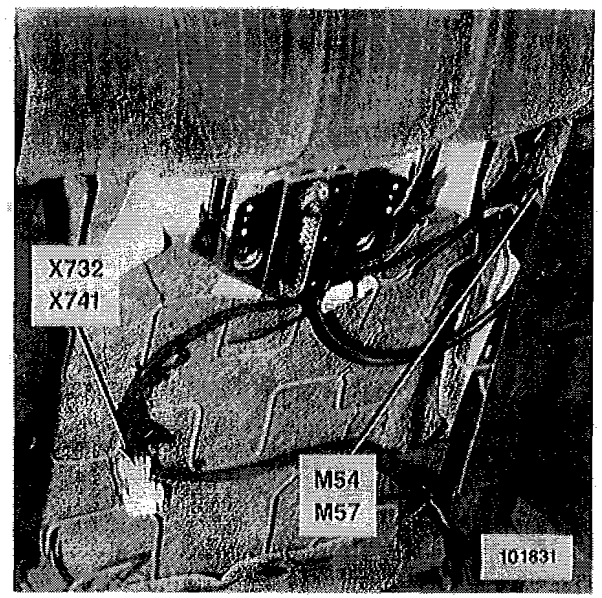


Figure 3- Back of LH Front Seat

M54 Driver's Headrest Motor
M57 Passenger's Seat Headrest Motor
X732 Connector (2 pins)
X741 Connector (2 pins) Passenger's

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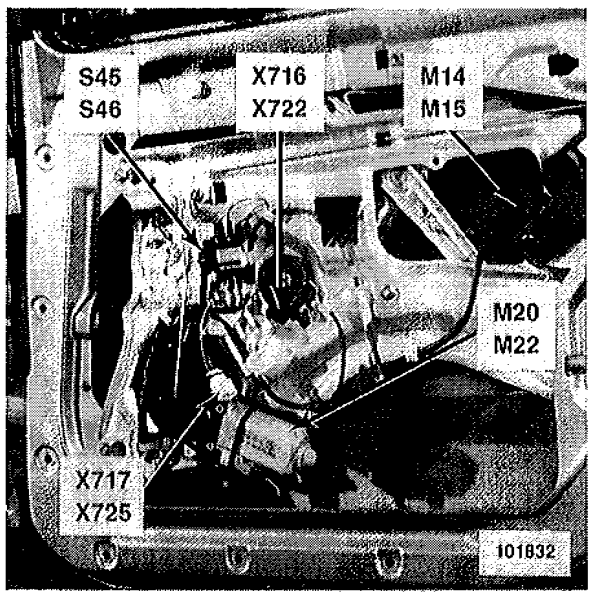


Figure 1- RH Rear Door

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
X716 Connector (2 pins)
X717 Connector (2 pins)
X722 Connector (2 pins)
X725 Connector (2 pins)

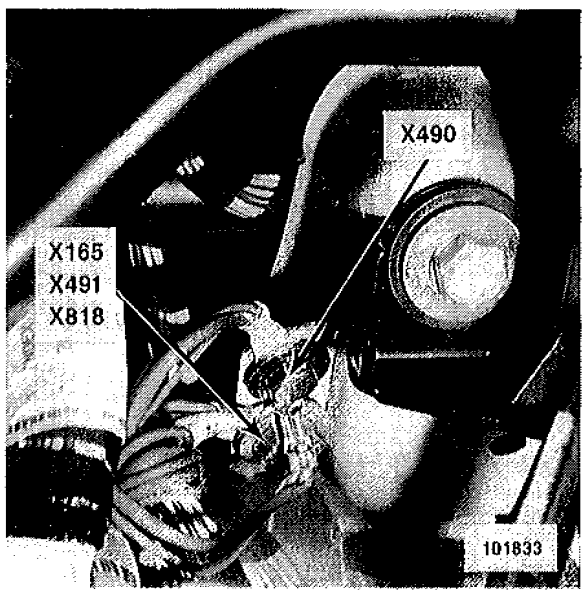


Figure 2- Below LH Side Of Dash

X165 Ground
X490 Ground
X491 Ground
X818 Ground

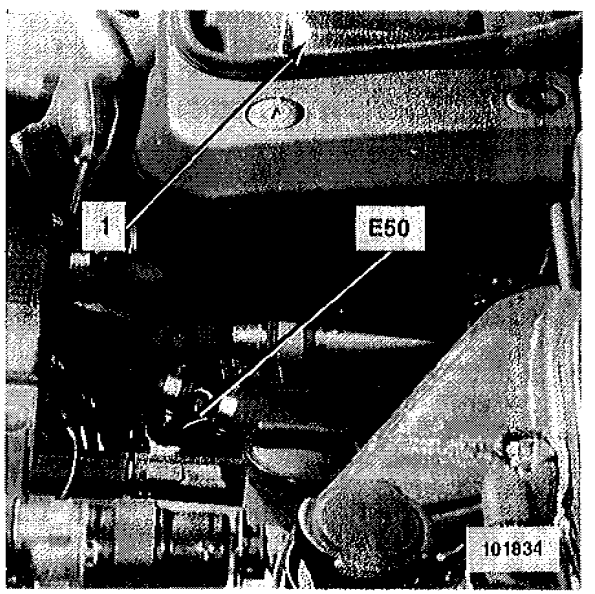


Figure 3- RH Rear Corner Of Engine Compartment

E50 Park Heating Unit
1 E Box

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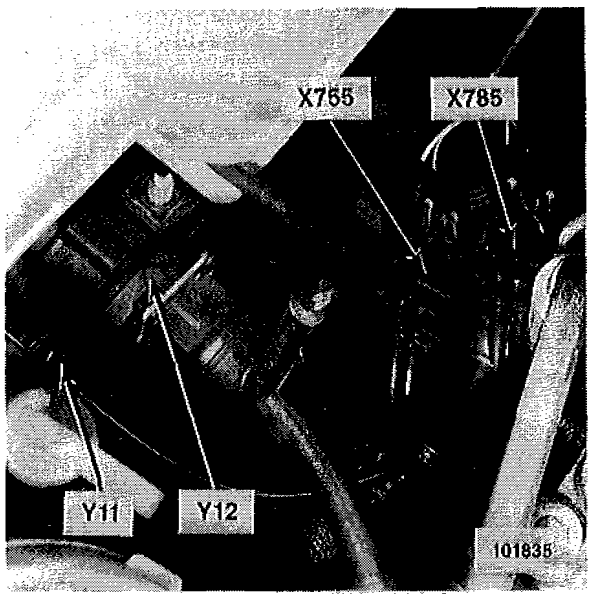


Figure 1- LH Side Of Engine

Y11 Solenoid Valve 1
Y12 Solenoid Valve 2
X755 Connector (2 pins)
X785 Connector (2 pins)

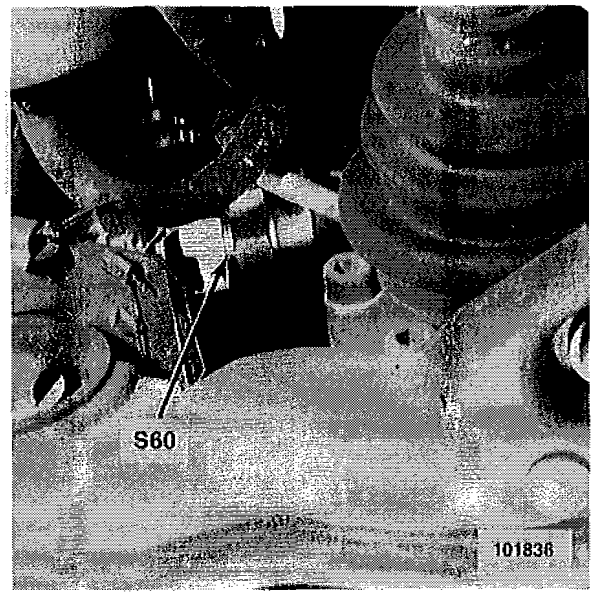


Figure 2- RH Side Of Differential

S60 Hydraulic Switch

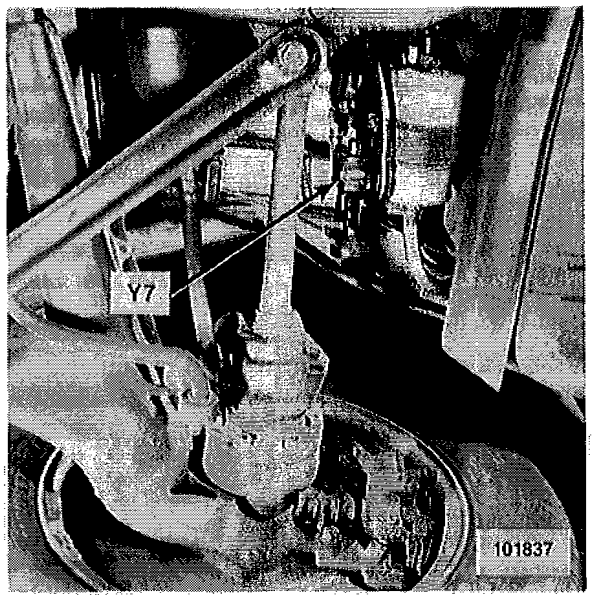


Figure 3- Behind RH Rear Wheel

Y7 Park Heating Metering Pump

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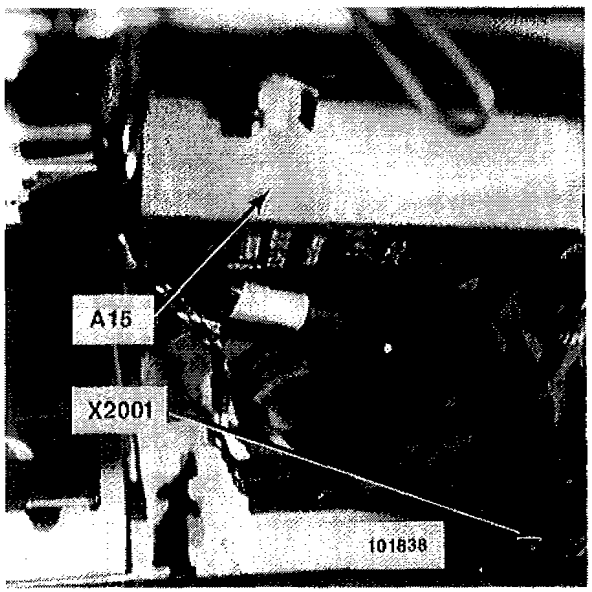


Figure 1- Behind Glove Box

A15 Park Heating/Ventilation Relay Box
X2001 Connector (12 pins)

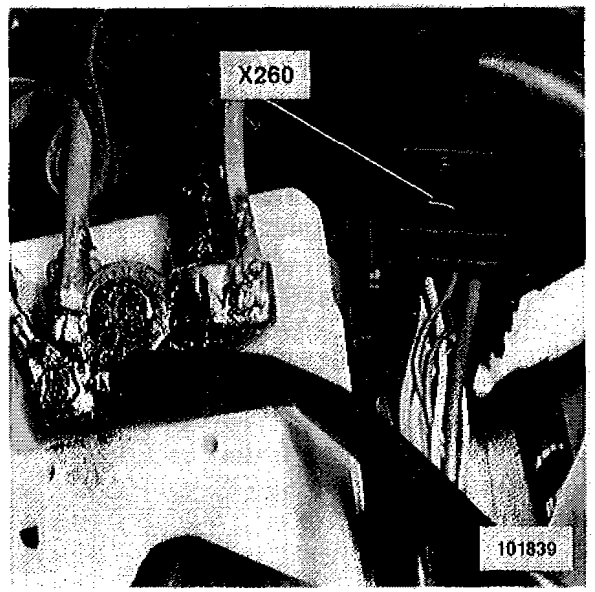


Figure 2- Under RH Side Of Rear Seat

X260 Connector (21 pins)

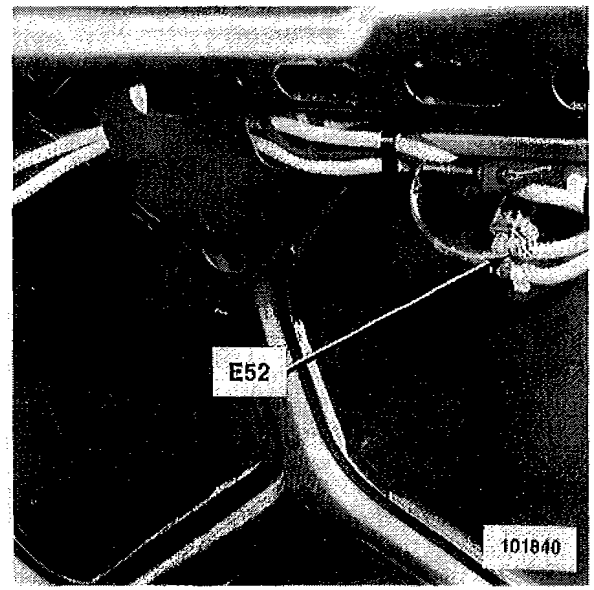


Figure 3- Engine Hood

E52 Right Washer Jet Heater

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SPLICE LOCATION VIEWS

SPLICE LOCATION INDEX

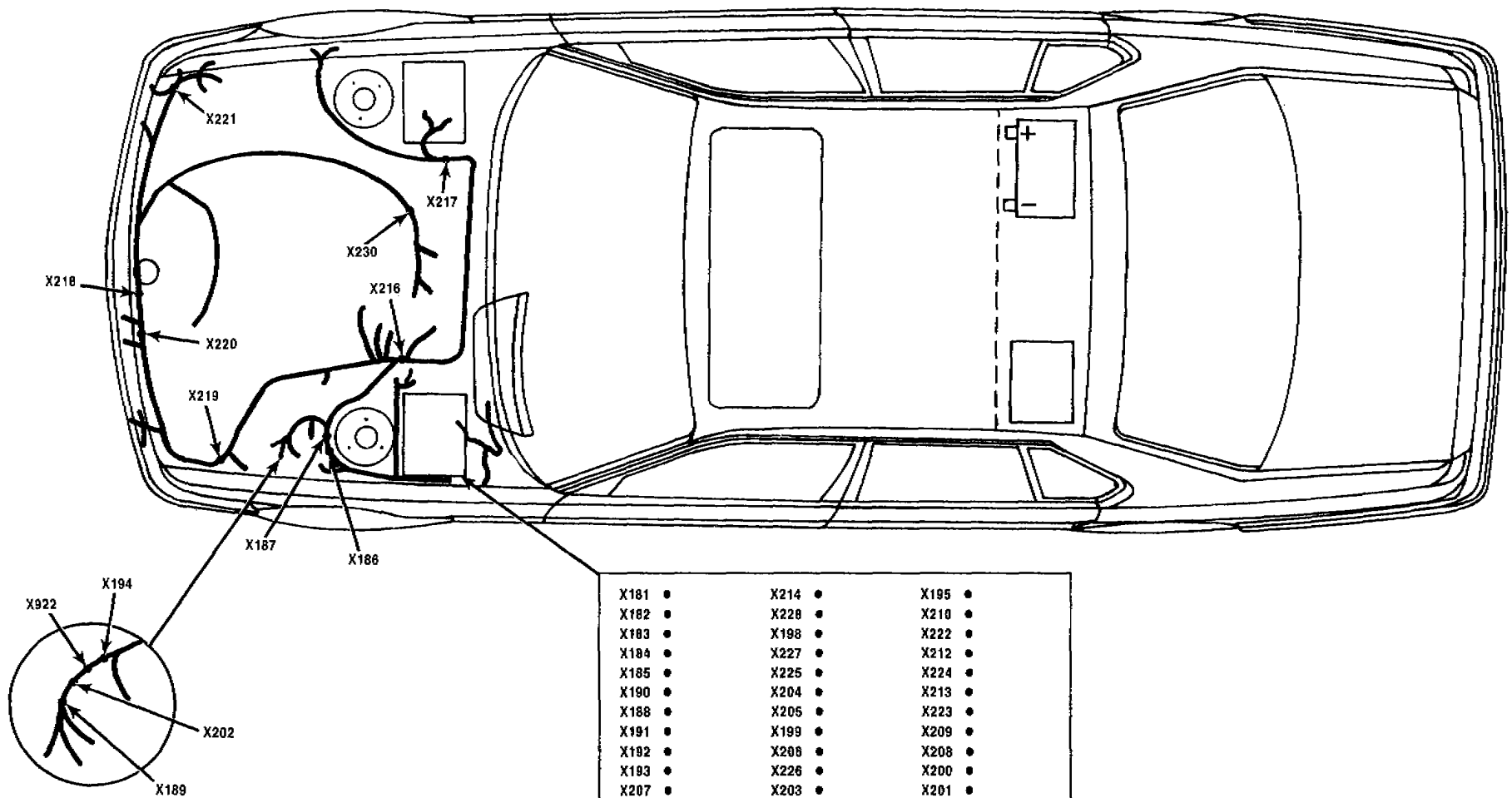
This index contains all the splices in the car, what harness each one is in, and the page that the splices appear on. The drawings after the index show how the harness is routed through the car and where the splices are located on the harness.

Index-Splice Locations - E32 - 730i, 735i

SPLICE	HARNESS	PAGE NUMBER
X181-X229	FRONT	8000-01
X431-X473	REAR	8000-04
X561-X593	INSTRUMENT	8000-03
X823	REAR SEAT HEATING	NOT SHOWN
X824-X830	RADIO/HIFI/ CD	NOT SHOWN
X831	SUNROOF	NOT SHOWN
X832	TRAILER ADAPTER	NOT SHOWN
X833	TRUNK	NOT SHOWN
X834	LH REAR DOOR	NOT SHOWN
X835	RH REAR DOOR	NOT SHOWN
X836	DRIVER SEAT	NOT SHOWN
X837-X838	REAR SEAT HEATING	NOT SHOWN
X839-X843	DRIVER SEAT	NOT SHOWN
X844-X847	PASSENGER SEAT	NOT SHOWN
X848-X851	DRIVER DOOR	NOT SHOWN
X852	IHR/IHKA	8000-05
X853	IHR/IHKA	8000-05
X854	IHR/IHKA	8000-05
X855	IHR/IHKA	8000-05
X856	IHKA	8000-05
X857	IHR/IHKA	8000-05
X858	IHR/IHKA	8000-05
X859	IHR/IHKA	8000-05
X860	IHKA	8000-05
X863	PASSENGER DOOR	NOT SHOWN
X866-X868	REAR SEAT HEATING	NOT SHOWN
X922	FRONT	8000-01
X1901	ENGINE	8000-02
X1902	ENGINE	8000-02
X1903	ENGINE	8000-02
X1904	ENGINE	8000-02
X1905	ENGINE	8000-02
X1906	ENGINE	8000-02
X1907	ENGINE	8000-02
X1908	ENGINE	8000-02
X1913	ENGINE	8000-02
X1920	ENGINE	8000-02
X1926	ENGINE	8000-02
X1930	ENGINE	8000-02
X1931	ENGINE	8000-02
X1933	ENGINE	8000-02
X1934	ENGINE	8000-02
X1935	ENGINE	8000-02
X1936	ENGINE	8000-02

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SPLICE LOCATION VIEWS
FRONT HARNESS

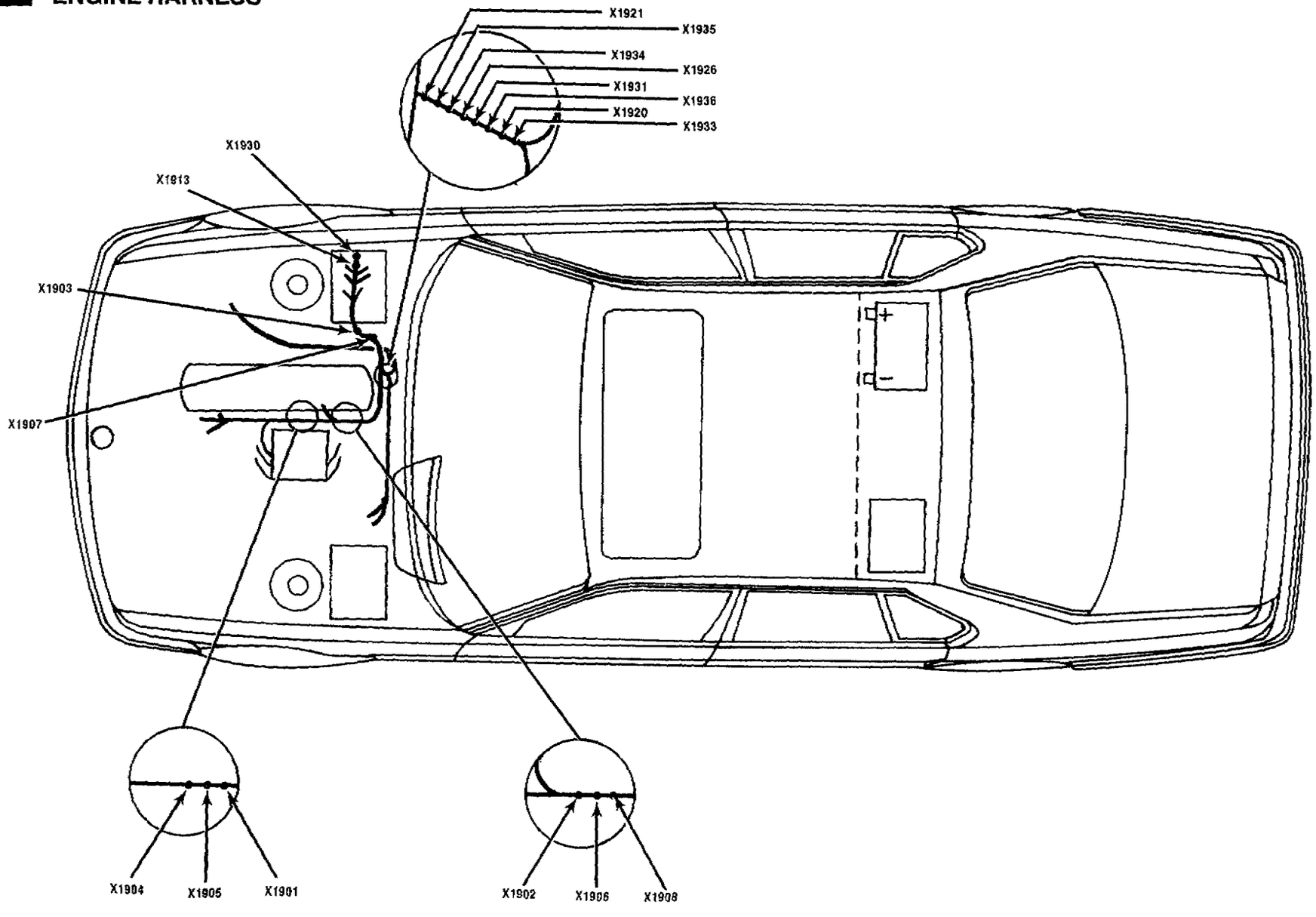


X181 ●	X214 ●	X195 ●
X182 ●	X228 ●	X210 ●
X183 ●	X198 ●	X222 ●
X184 ●	X227 ●	X212 ●
X185 ●	X225 ●	X224 ●
X190 ●	X204 ●	X213 ●
X188 ●	X205 ●	X223 ●
X191 ●	X199 ●	X209 ●
X192 ●	X206 ●	X208 ●
X193 ●	X226 ●	X200 ●
X207 ●	X203 ●	X201 ●
		X215 ●
		X196 ●

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SPLICE LOCATION VIEWS

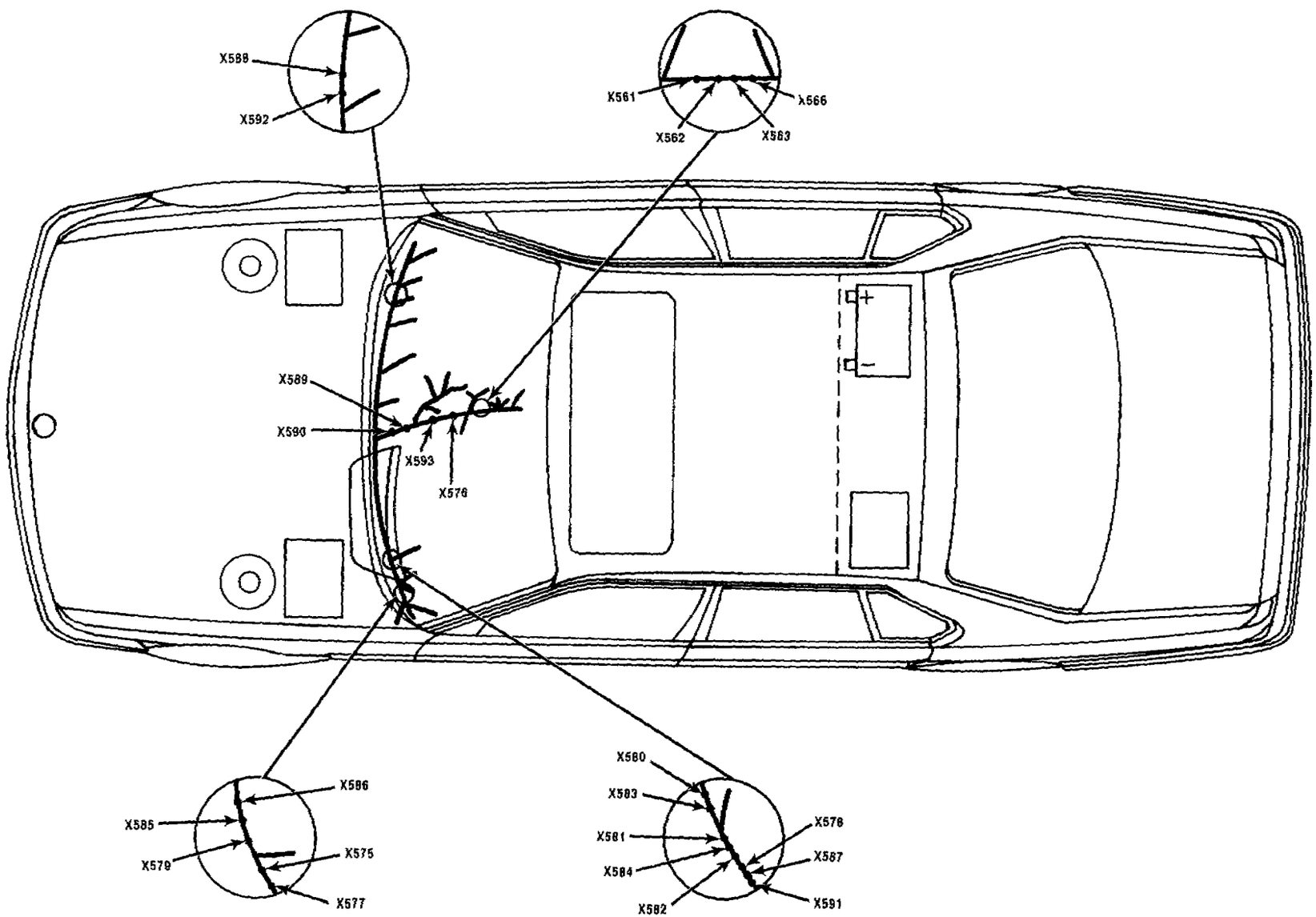
ENGINE HARNESS



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SPLICE LOCATION VIEWS

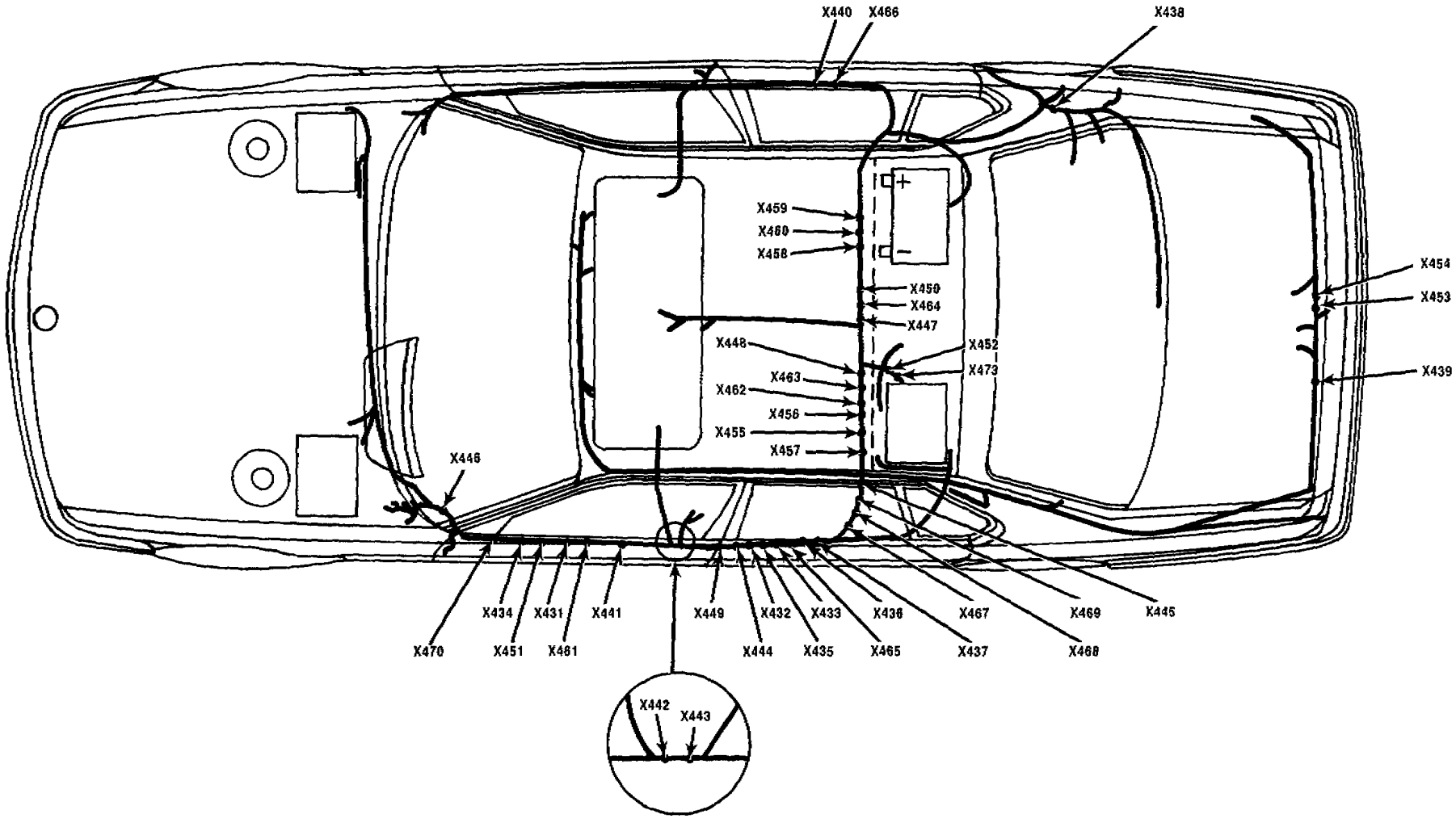
INSTRUMENT HARNESS



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SPLICE LOCATION VIEWS

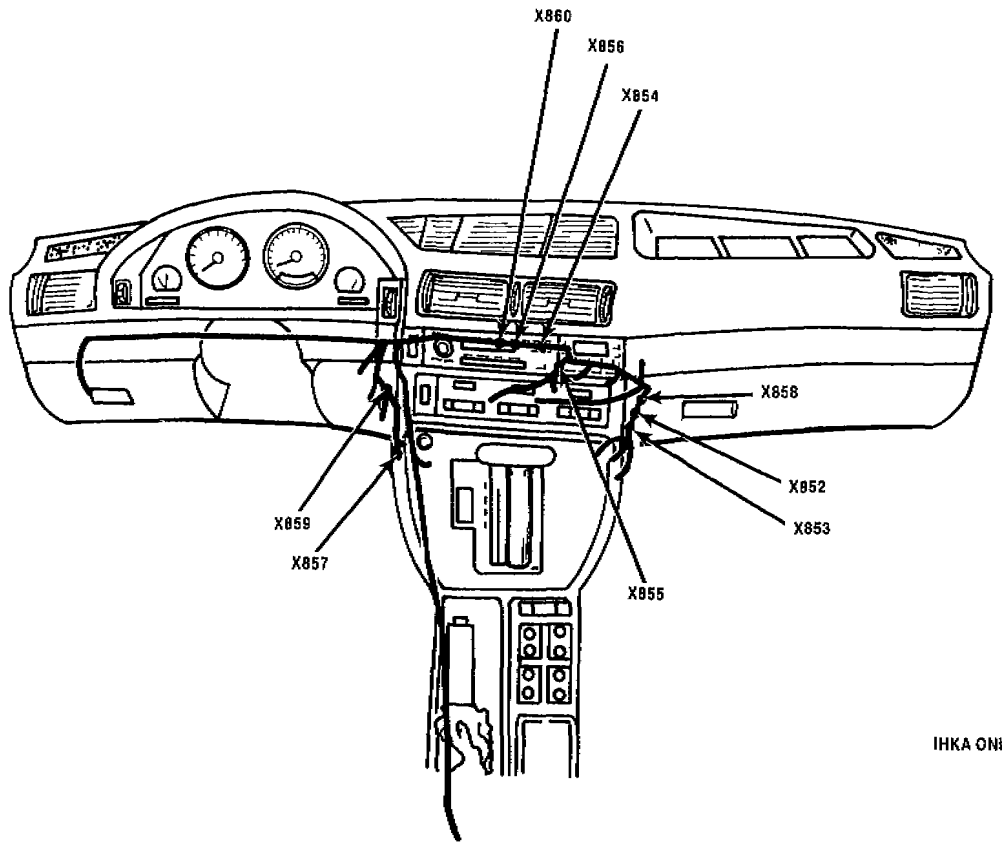
REAR HARNESS



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SPLICE LOCATION VIEWS

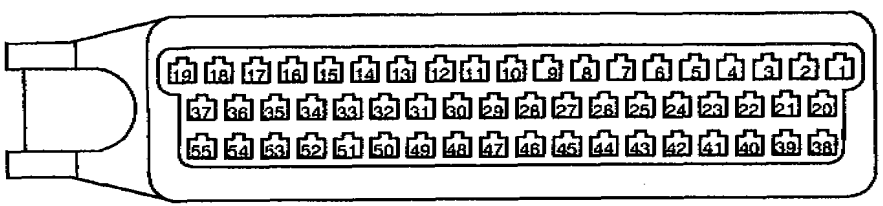
IHR/IHKA HARNESS



IHKA ONLY

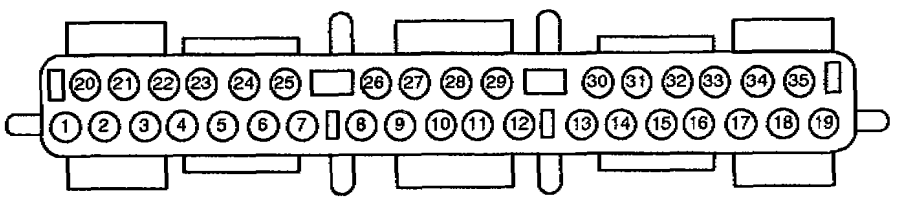
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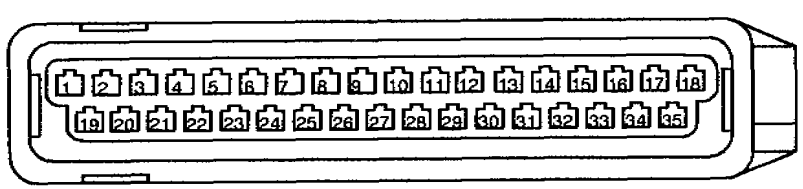
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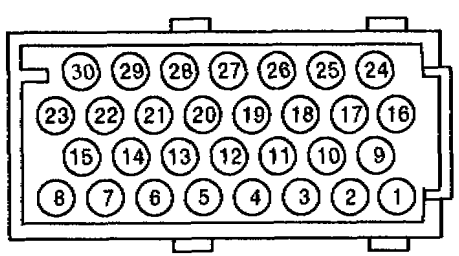
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X11 NA

B300001.00



X13 BL

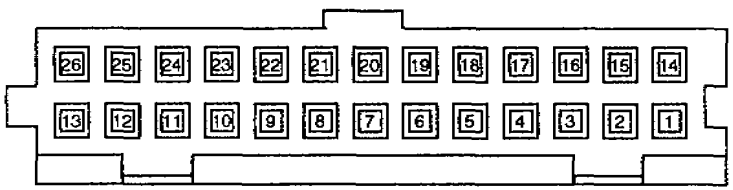
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X15 WS

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CONNECTOR VIEWS

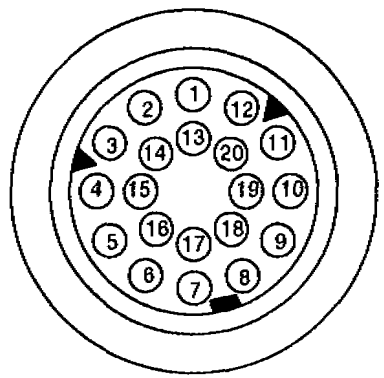
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X16 GE
X18 BL
X19 GN
X22 BL

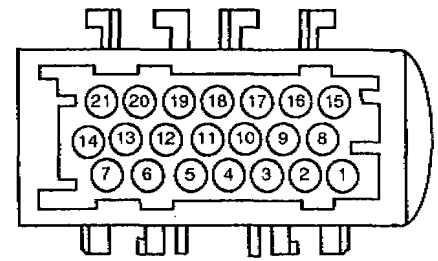
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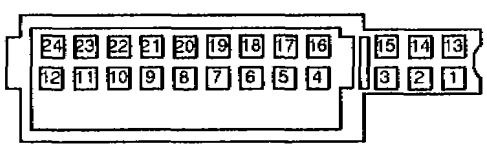
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X23 WS
X24 SW

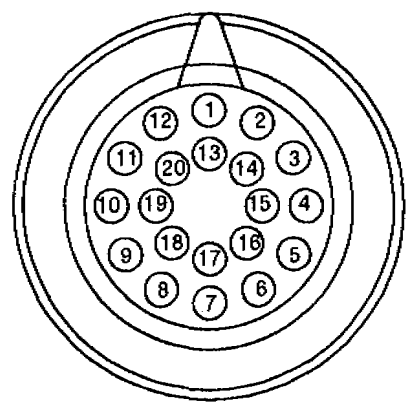
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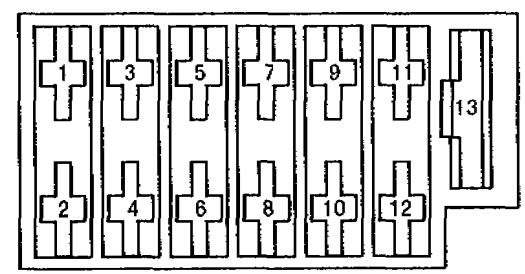
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X21 SW

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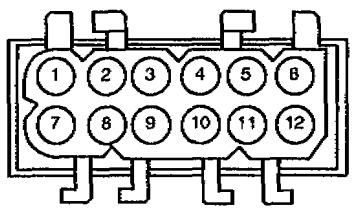


X31 SW

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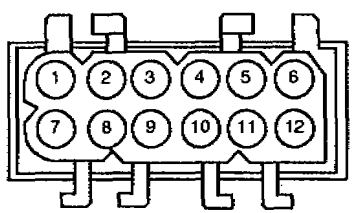
CONNECTOR VIEWS

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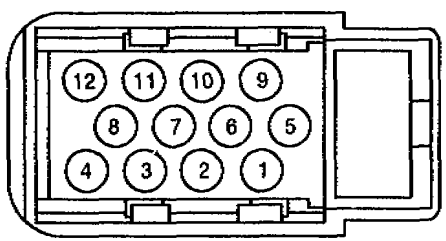
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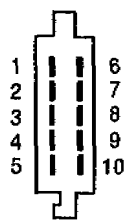
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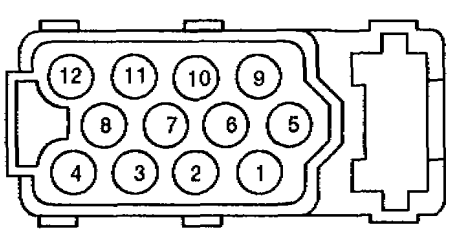
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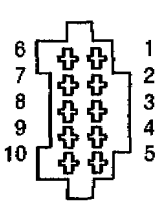
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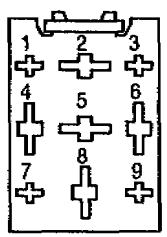
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X36 SW

B090001.00

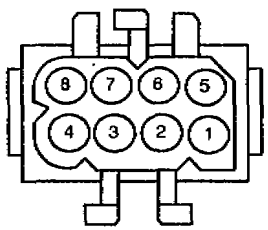


X48	WS	**X57**	SW
X49	WS	**X58**	WS
X50	WS	**X59**	SW
X51	SW	**X60**	SW
X52	WS	**X61**	SW
X53	WS	**X62**	WS
X54	SW	**X63**	WS
X55	WS	**X64**	SW
X56	WS		

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CONNECTOR VIEWS

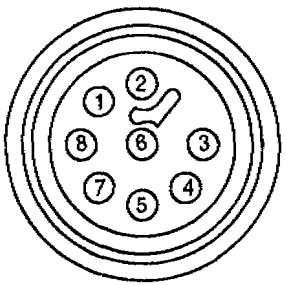
B080001.01



X69 WS

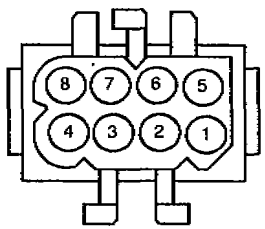
X72 WS

B080004.00



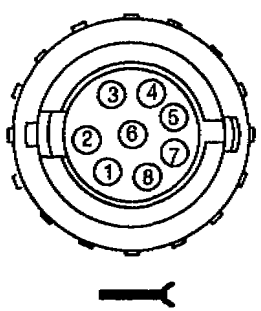
X71 SW

B080008.00



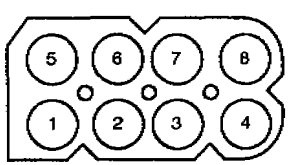
X74 OR

B080003.00



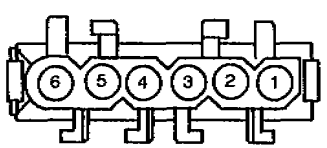
X70 SW

B080007.00



X73 SW

B060003.03

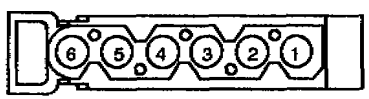


X75 OR

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CONNECTOR VIEWS

B060017.00



X76 SW

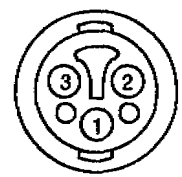
B030004.00



X82 SW

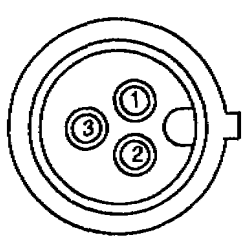
X85 SW

B030013.00



X84 GE

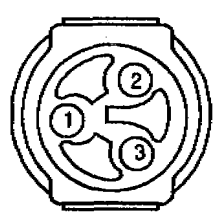
B030005.00



X81 OR

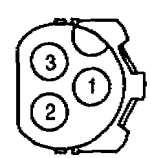
X86 OR

B030012.00



X83 GE

B030006.00

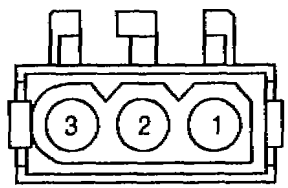


X87 SW

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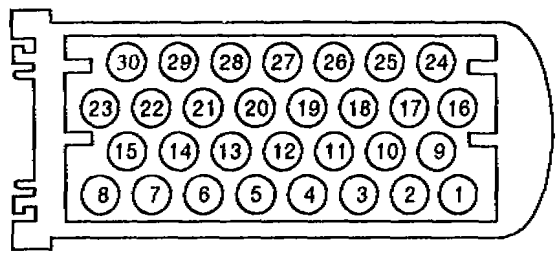
CONNECTOR VIEWS

B030001.00



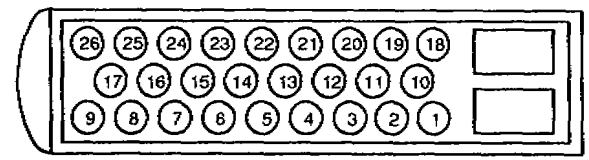
X88 SW

B300002.00



X251 SW

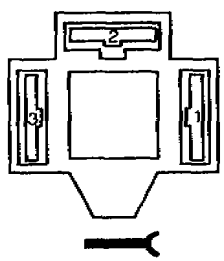
B260001.00



X256 SW

X257 SW

B030014.00



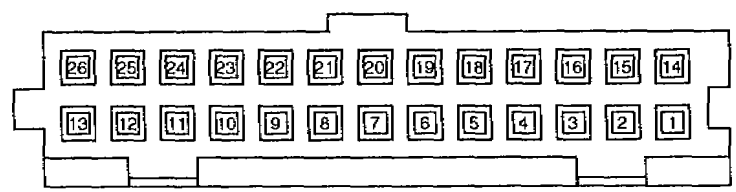
X89 SW

X90 SW

X93 SW

X94 SW

B260002.01



X252 GN

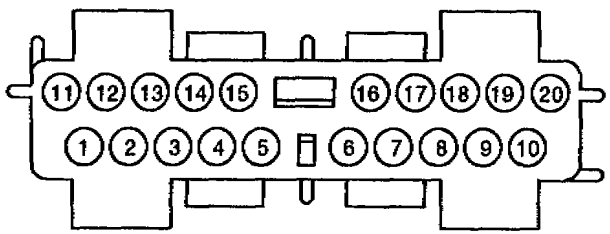
X253 GN

X254 WS

X255 GE

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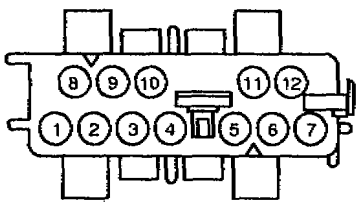
B200001.00



X258 WS

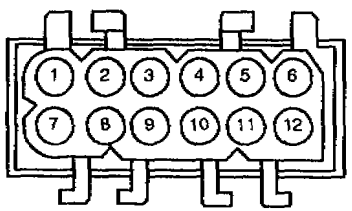
X259 SW

B120005.00



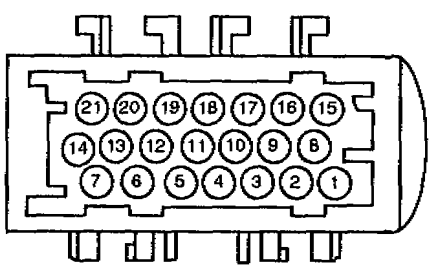
X270 SW

B120004.00



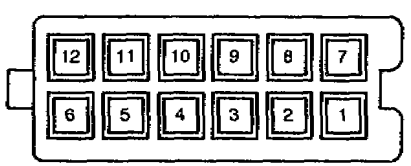
X272 SW

B210001.00



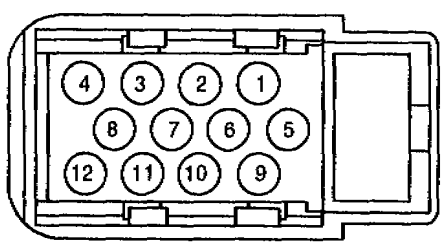
X260 SW

B120011.00



X271 GR

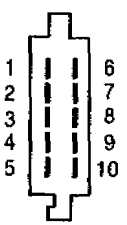
B120003.01



X273 SW

X274 SW

B100001.01



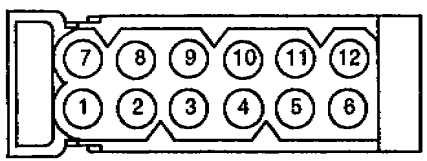
X277 SW

X278 SW

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CONNECTOR VIEWS

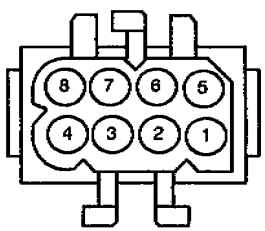
B120002.00



X275 WS

X279 WS

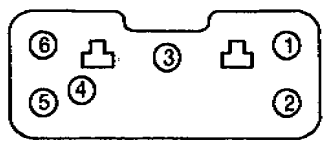
B080001.02



X295 SW

X298 SW

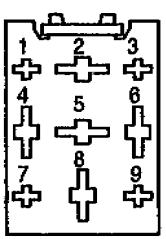
B060002.00



X316 WS

X317 SW

B090001.01



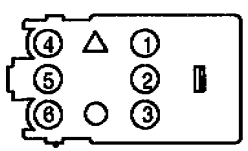
X291 SW

X292 WS

X293 WS

X294 WS

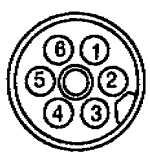
B060005.12



X311 SW

X312 SW

B060004.00



X318 SW

X319 SW

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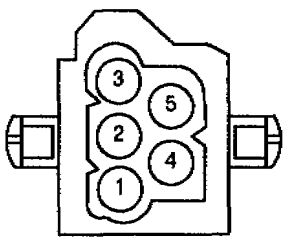
CONNECTOR VIEWS

B060001.00



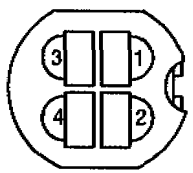
X321 SW

B050005.00



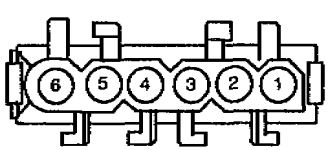
X331 GN

B040001.00



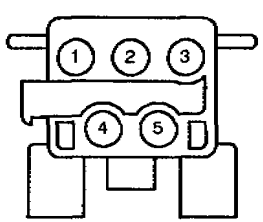
X333 SW

B060003.00



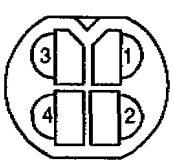
X322 SW

B050006.00



X332 SW

B040007.00

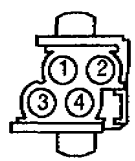


X334 WS

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CONNECTOR VIEWS

B040003.00



X335 GN

B030002.00



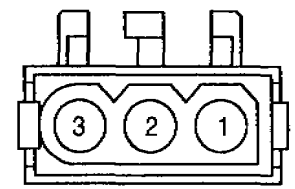
X351 SW

X352 SW

X353 SW

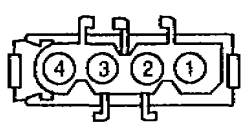
X354 SW

B030001.01



X358 SW

B040002.00



X336 WS

X337 WS

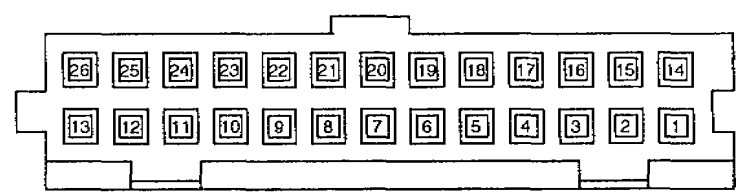
B030003.00



X355 WS

X356 WS

B260002.02



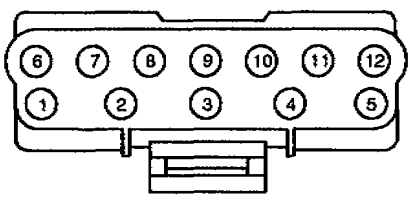
X501 GN

X502 WS

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CONNECTOR VIEWS

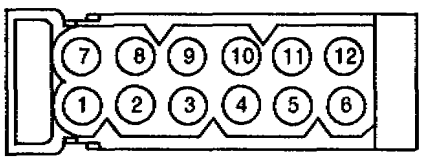
B120006.00



X503 SW

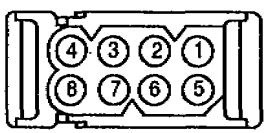
X504 SW

B120002.01



X506 SW

B080002.00

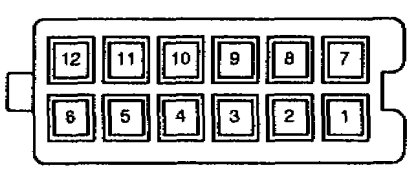


X511 SW

X512 SW

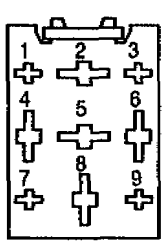
X513 SW

B120011.00



X505 GR

B090001.04

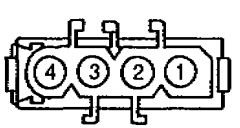


X509 SW

X510 SW

AUS GB J

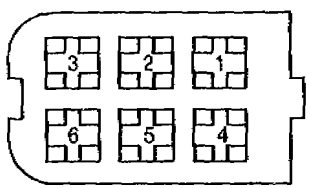
B0400002.01



X512 SW

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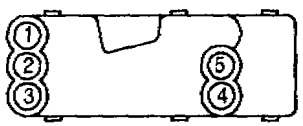
B060006.00





X514 SW

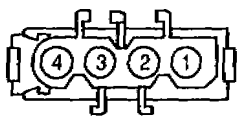
B050003.00





X516 SW

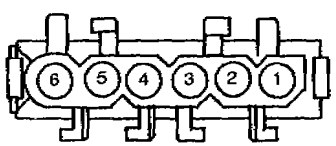
B040002.00





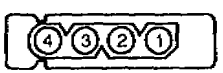
X519 WS

B060003.02



X515 WS

B0400004.00

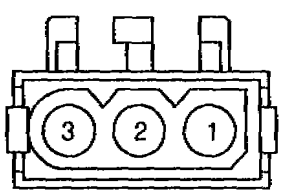




X517 SW

X518 SW

B030001.02



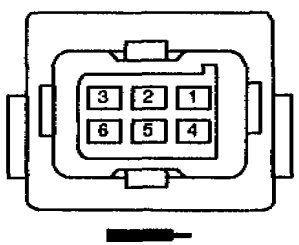


X520 WS

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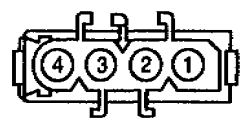
CONNECTOR VIEWS

B060020.00



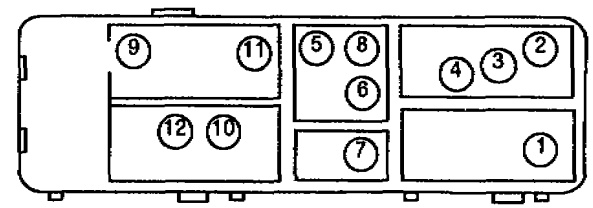
X521 SW

B0400002.00



X524 SW

B120008.00



X603 SW

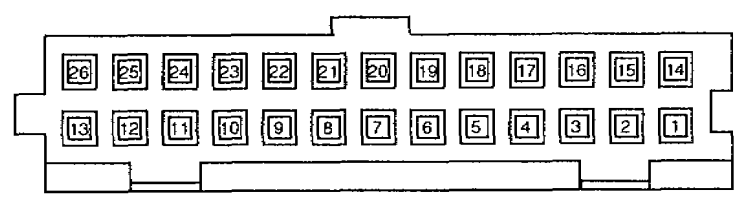
X604 SW

B030003.01



X522 WS

B260002.02

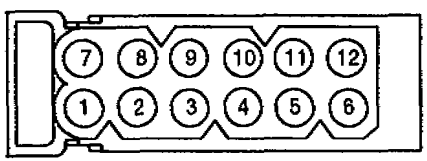


X601	WS	**X612**	BL
X602	GE	**X613**	BL
X610	WS	**X614**	GE
X611	GN		

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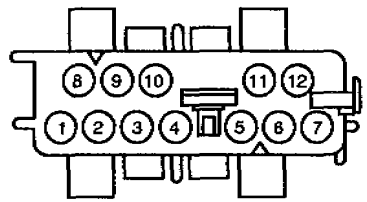
CONNECTOR VIEWS

B120002.00



X605 SW

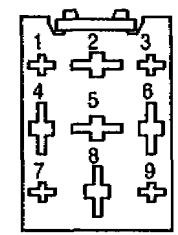
B120005.01



X607 SW

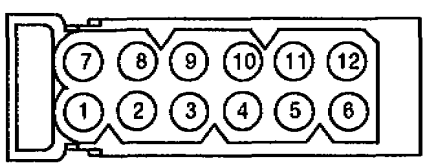
X609 SW

B090001.02



X620 WS

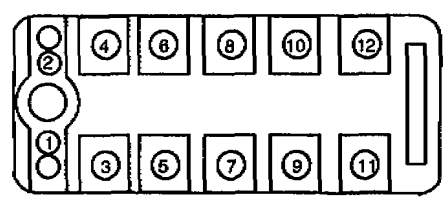
B120002.01



X606 WS

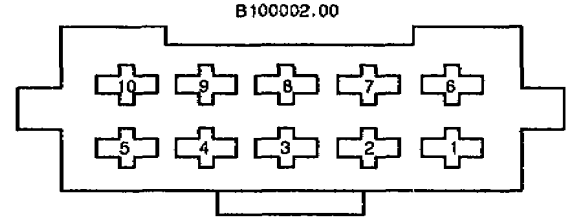
X619 WS

B120009.00



X608 SW

B100002.00

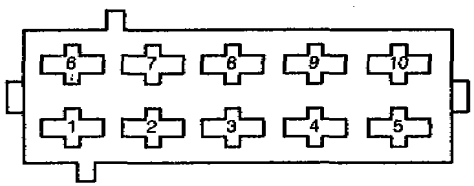


X621 SW

X622 SW

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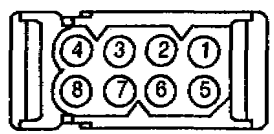
B100005.00



X623 SW

X624 SW

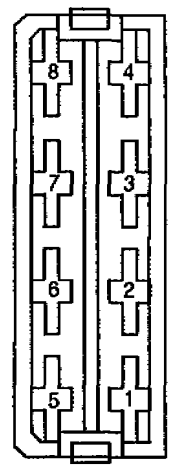
B080002.01



X626 SW

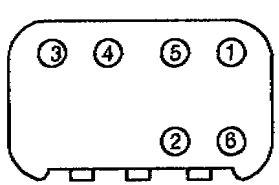
X627 SW

B080006.00



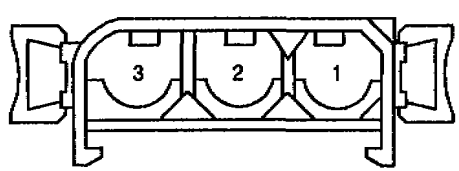
X629 NA

B080013.00



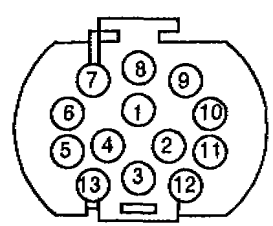
X625 SW

B030009.00



X628 SW

B130002.00

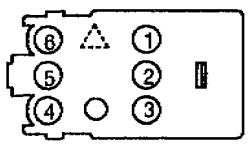


X630 SW

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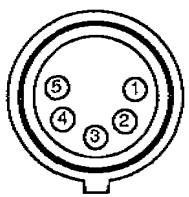
CONNECTOR VIEWS

B060005.00



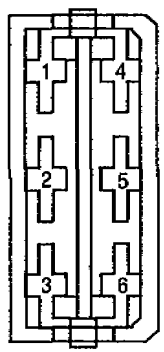
X636	SW	△
X637	SW	△
X643	BL	▽

B050004.00



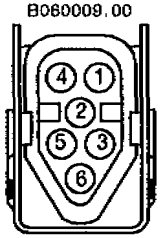
X639 SW

B060016.00



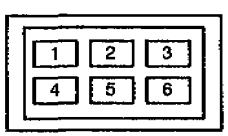
X642 SW

B060009.00



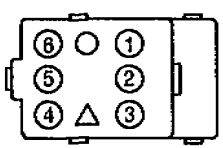
X638	SW
X641	SW
X644	SW
X646	SW
X660	SW

B060019.00



X640 SW

B060008.00

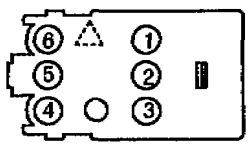


X645	SW
X647	SW

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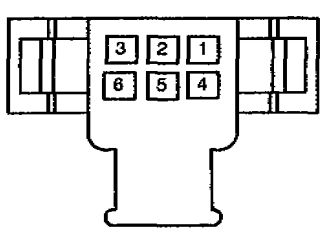
CONNECTOR VIEWS

B060005.01



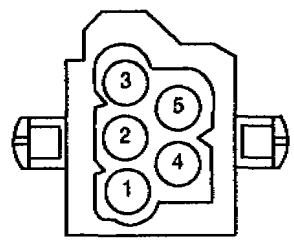
X648	SW	△	X654	WS	▷
X649	WS	▷	X655	BL	▽
X650	SW	△	X656	GN	▷
X651	SW	△	X657	BR	▽
X652	BL	▽	X658	SW	△
X653	SW	△	X659	BL	▽

B060010.01



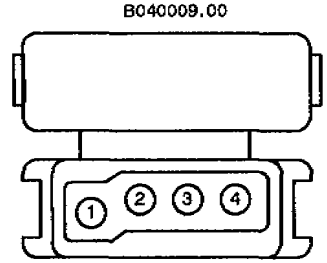
X661	SW	X666	SW
X662	SW	X667	SW
X663	SW	X668	SW
X664	SW	X669	SW
X665	SW	X670	SW

B050001.00



X671 GN

B040009.00



X672 SW

B0400004.01



X673 SW

X674 SW

B030003.02



X680 SW

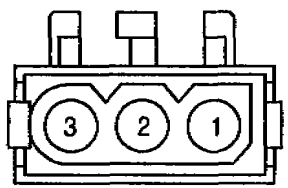
X683 SW

X693 SW

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CONNECTOR VIEWS

B030001.03



X681 WS

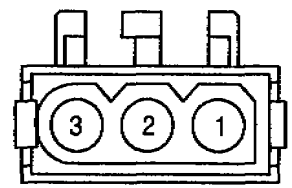
B030004.01



X684 SW

X685 SW

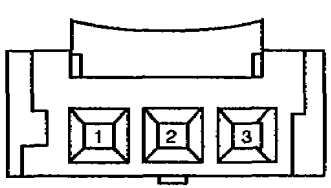
B030001.03



X692 SW

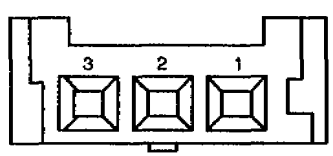
X695 SW

B030016.00



X682 NA

B030007.00



X686 BL

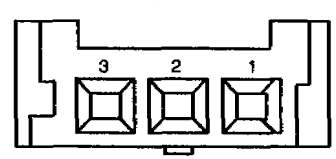
X687 BL

X688 BL

X689 BL

X690 BL

B030007.01

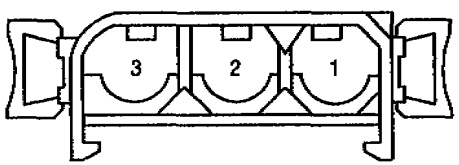


X694 NA

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CONNECTOR VIEWS

B030009.00



X696 SW

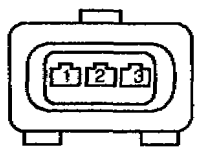
B030004.00



X928 SW

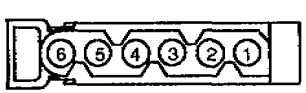
X929 SW

B030015.00



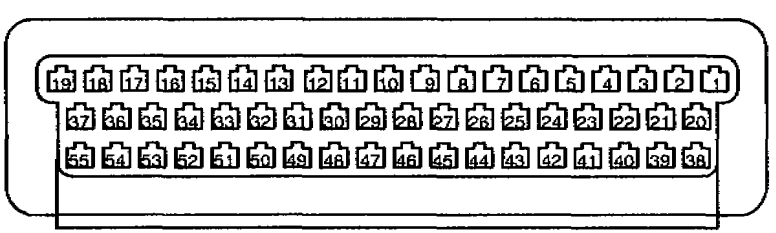
X1514	SW	**X1612**	GR
X1521	SW	**X1613**	SW
X1522	SW	**X1614**	GR
X1533	SW	**X1622**	SW

B060001.01



X907 WS

B550001.00

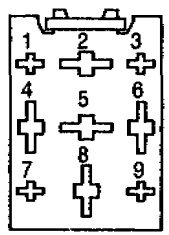


X1500 NA

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CONNECTOR VIEWS

B090001.03



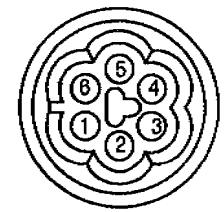
X917	RT	X1606	WS
X1515	WS	X1607	WS
X1516	WS	X1608	WS
X1605	WS	X1609	WS

B050006.00



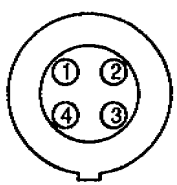
X1528 SW

B060014.00



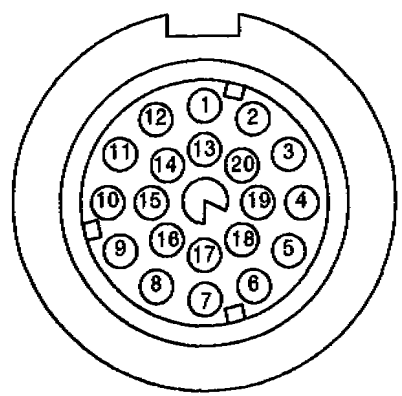
X1536 SW
X1610 SW
X1611 SW

B040006.00



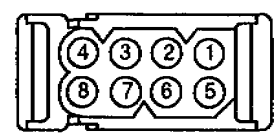
X1523 SW

B200003.00



X1532 SW

B080002.02

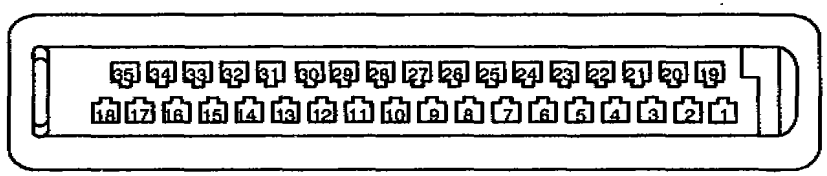


X1537 SW

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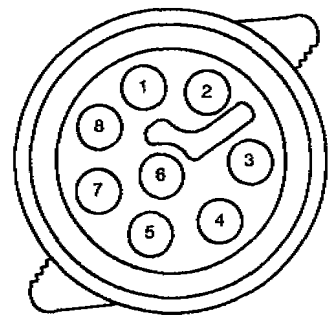
CONNECTOR VIEWS

B350003.00



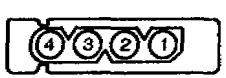
X1550 SW

B080009.00



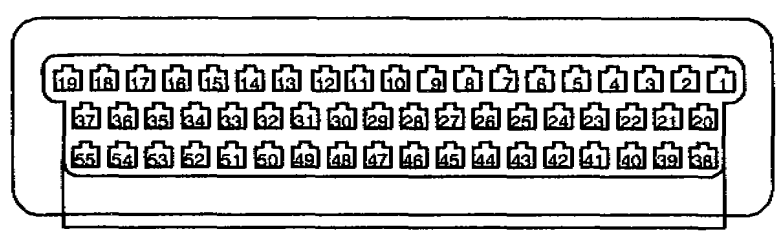
X1554 SW

B0400004.01



X1552 SW

B550002.01



X1600 NA

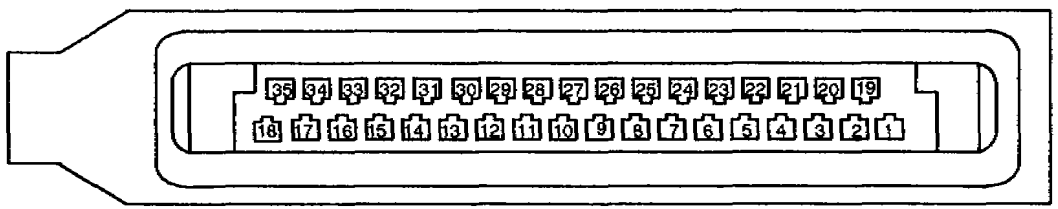
X1601 NA

X1602 NA

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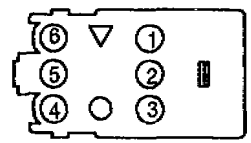
CONNECTOR VIEWS

B350004.00



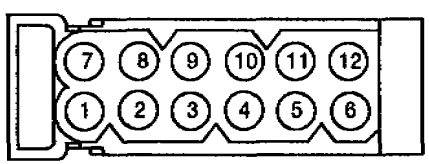
X2000 NA

B060005.17



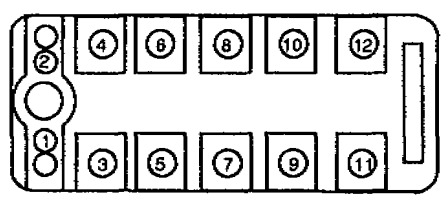
X2003 BL

B120002.04



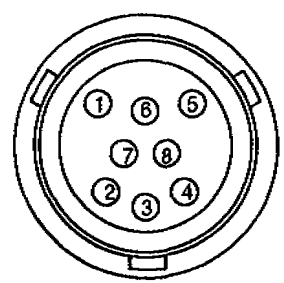
X2001 SW

B120009.01



X2004 SW

B080005.00



X2005 SW

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