



---

---

**1991**

---

---

**BMW 325i**

---

**Electrical**

---

**Troubleshooting**

---

**Manual**

---

BMW of North America, Inc.  
Woodcliff Lake, New Jersey

## **FOREWORD**

In the interests of continuing technical development work we reserve the right to modify designs and equipment.

Printed in USA

©Copyright BMW of North America, Inc.

Not to be reproduced wholly or in part without written permission of BMW of North America, Inc.

**PN 91 00 0 000 004**

---

**1991**  
**BMW 325i**  
**Electrical**  
**Troubleshooting**  
**Manual**

---

**CONTENTS**

---

<b>Index . . . . .</b>	<b>2</b>
<b>How To Use This Manual . . . . .</b>	<b>3</b>
<b>Wire Size Conversion Chart . . . . .</b>	<b>3</b>
<b>Symbols . . . . .</b>	<b>4</b>
<b>Systematic Troubleshooting . . . . .</b>	<b>6</b>
<b>Connector Views . . . . .</b>	<b>8500-0</b>
<b>Power Distribution Box . . . . .</b>	<b>0670-0</b>
<b>Fuse Data . . . . .</b>	<b>0670-1</b>
<b>Component Location Chart . . . . .</b>	<b>9000-0</b>
<b>Component Location Views . . . . .</b>	<b>7000-0</b>
<b>Splice Location Views . . . . .</b>	<b>8000-0</b>

---

The purpose of this manual is to show electrical schematics in a manner that makes electrical troubleshooting easier. Electrical components which work together are shown together on one schematic. The Wiper-Washer schematic, for example, shows all of the electrical components in one diagram. 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, describing how switches and other components work.

The power distribution schematic shows the current feed through all the connections from the Battery and Alternator to each fuse and the Ignition and Light Switches. If the 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 vehicle; however, the wiring is not drawn to scale. To aid in understanding electrical operation, wiring inside complicated components has been simplified. The "Solid State" label designates electronic components.

WIRE SIZE CONVERSION CHART	
METRIC (CROSS-SECTIONAL AREA IN MM <sup>2</sup> )	AWG (AMERICAN WIRE GAUGE)
.5	20
.75	18
1	16
1.5	14
2	14
2.5	12
4	10
6	8
8	8
16	4
20	4
25	2
32	2

WIRE INSULATION	
ABBREVIATIONS	COLOR
BK	BLACK
BR	BROWN
RD	RED
YL	YELLOW
GN	GREEN
BU	BLUE
VI	VIOLET
GY	GRAY
WT	WHITE
PK	PINK
OR	ORANGE

## 4 SYMBOLS



ENTIRE  
COMPONENT  
SHOWN



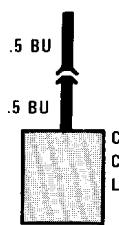
PART OF A  
COMPONENT  
SHOWN



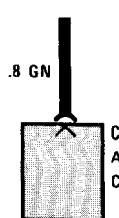
COMPONENT  
WITH SCREW  
TERMINALS



SOLID STATE  
(INCLUDES ONLY  
ELECTRONIC PARTS)



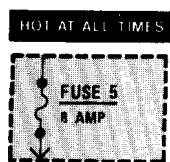
CONNECTOR ON  
COMPONENT  
LEAD (PIGTAIL)



CONNECTOR  
ATTACHED TO  
COMPONENT

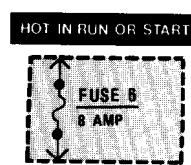


COMPONENT  
CASE IS  
DIRECTLY  
ATTACHED TO  
METAL PART  
OF CAR  
(GROUNDED)



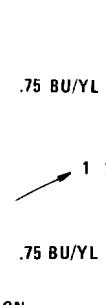
HOT AT ALL TIMES

INDICATES THAT FUSE 5  
IS ALWAYS SUPPLIED  
WITH POWER



HOT IN RUN OR START

INDICATES THAT FUSE 6  
IS SUPPLIED WITH POWER  
WITH THE IGNITION  
SWITCH IN THE RUN OR  
START POSITIONS

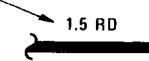


PIN NUMBER

.75 BU/YL

CONNECTOR REFERENCE  
NUMBER FOR COMPONENT  
LOCATION CHART

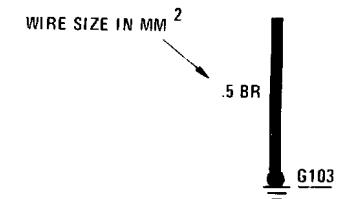
CHART ALSO SHOWS  
TOTAL NUMBER OF  
CONTACTS POSSIBLE:  
C103 (6 PIN)



A WAVY LINE  
MEANS A WIRE  
IS CONTINUED



WIRE INSULATION  
IS ONE COLOR  
WITH ANOTHER  
COLOR STRIPE  
(RED WITH BROWN)

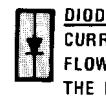


WIRE SIZE IN MM<sup>2</sup>

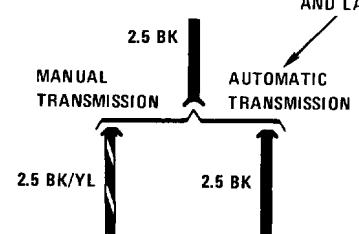
.5 BR

WIRE IS ATTACHED TO  
METAL PART OF CAR  
(GROUNDED)  
GROUND IS NUMBERED  
FOR REFERENCE ON  
COMPONENT LOCATION CHART

OTHER CIRCUITS THAT SHARE  
A GROUND ARE SHOWN  
IN GROUND DISTRIBUTION



DIODE  
CURRENT CAN  
FLOW ONLY IN  
THE DIRECTION  
OF THE ARROW

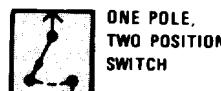


WIRE CHOICES  
FOR OPTIONS  
ARE SHOWN  
AND LABELED

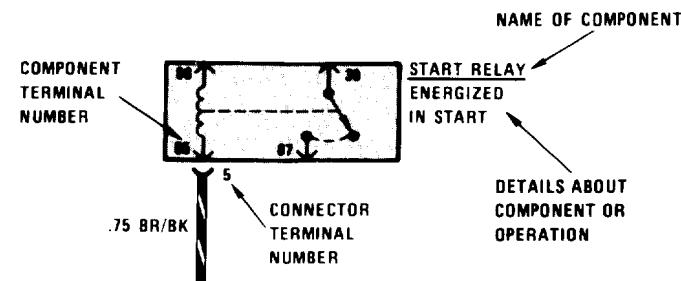


CIRCUIT REFERENCE –  
A WIRE WHICH CONNECTS  
TO ANOTHER CIRCUIT

ACTIVE CHECK CONTROL



ONE POLE,  
TWO POSITION  
SWITCH



NAME OF COMPONENT

DETAILS ABOUT  
COMPONENT OR  
OPERATION

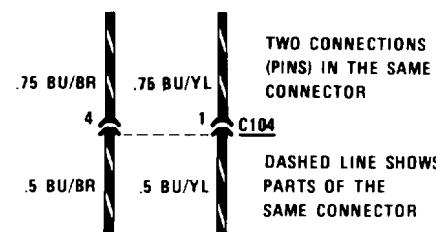


2.5 YL  
TO POWER  
DISTRIBUTION  
BOX, PAGE 1



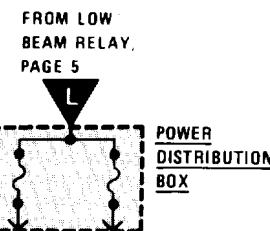
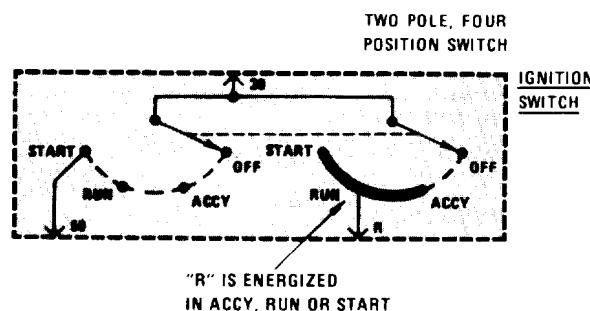
SWITCHES THAT  
MOVE TOGETHER

DASHED LINE SHOWS  
A MECHANICAL  
CONNECTION  
BETWEEN SWITCHES



TWO CONNECTIONS  
(PINS) IN THE SAME  
CONNECTOR

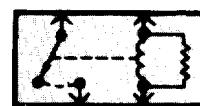
DASHED LINE SHOWS  
PARTS OF THE  
SAME CONNECTOR



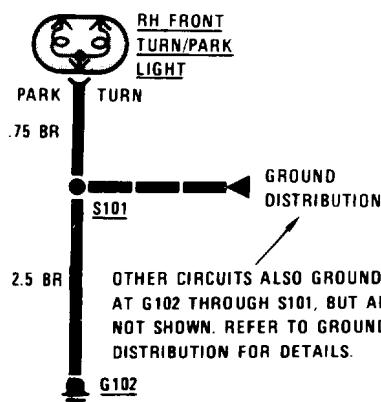
CURRENT PATH  
IS CONTINUED  
AS LABELED.  
THE ARROW SHOWS  
DIRECTION OF CURRENT  
FLOW AND IS REPEATED  
WHERE CURRENT  
PATH CONTINUES.



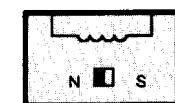
WHEN COIL IS  
ENERGIZED, SWITCH  
IS PULLED CLOSED



RESISTOR ACROSS COIL  
IS FOR NOISE  
SUPPRESSION



LIGHT  
EMITTING  
DIODE



INDUCTIVE  
SENSOR

## 6 SYSTEMATIC TROUBLESHOOTING

### TROUBLESHOOTING PROCEDURE

#### 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

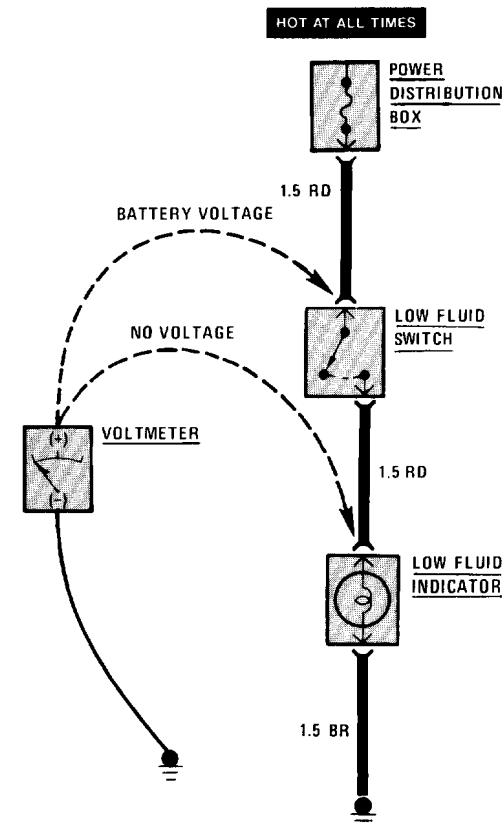
Isolating the problem (Step 3 of TROUBLESHOOTING PROCEDURES) requires the use of a **voltmeter** and/or **ohmmeter**. A voltmeter measures voltage at selected points in a circuit. An ohmmeter measures a circuit's resistance to current flow. It has an internal battery that provides current to the circuit 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.

### 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.

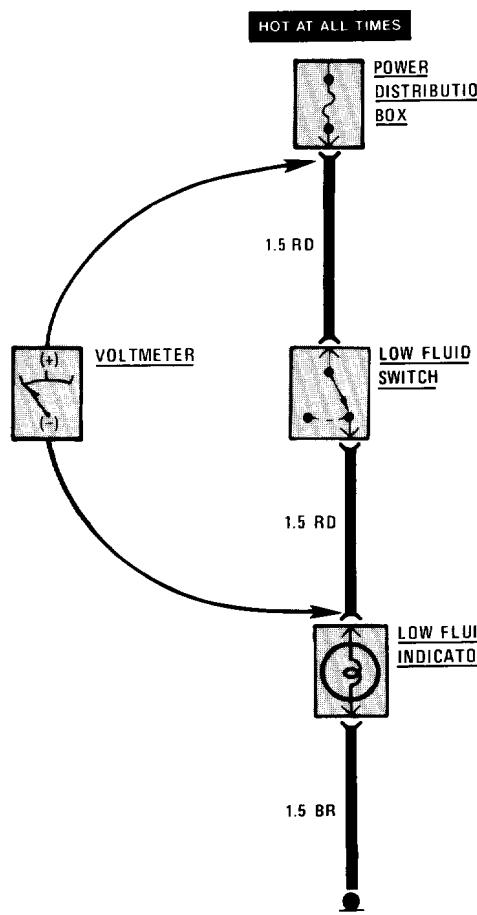


Voltage Test

## 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.

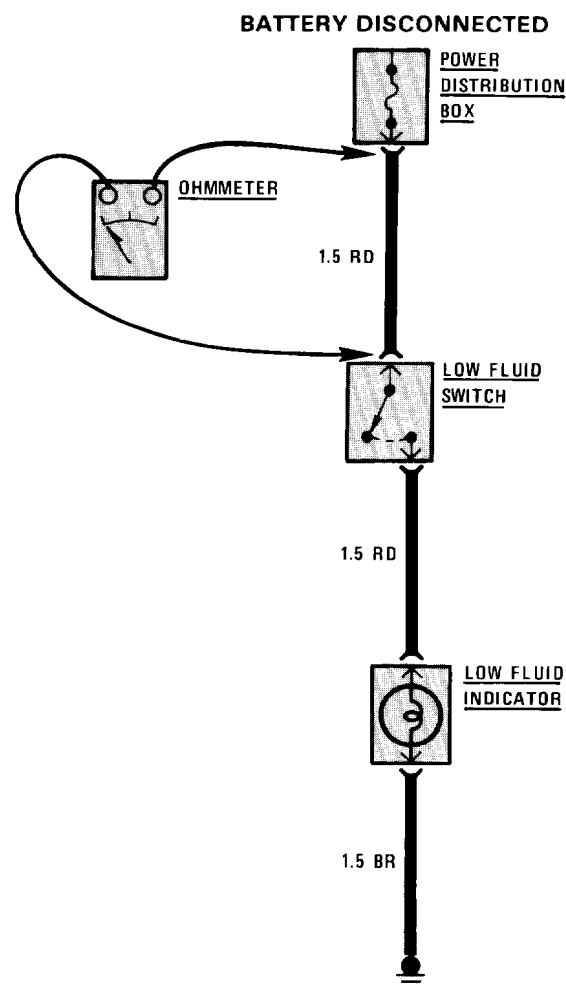
To test for voltage drop, connect the voltmeter leads to connectors at either end of the circuit's suspected problem area. The positive lead should be connected to the connector closest to the power source. The voltmeter will show the voltage drop between these two points.



Voltage Drop Test

## Continuity Test

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

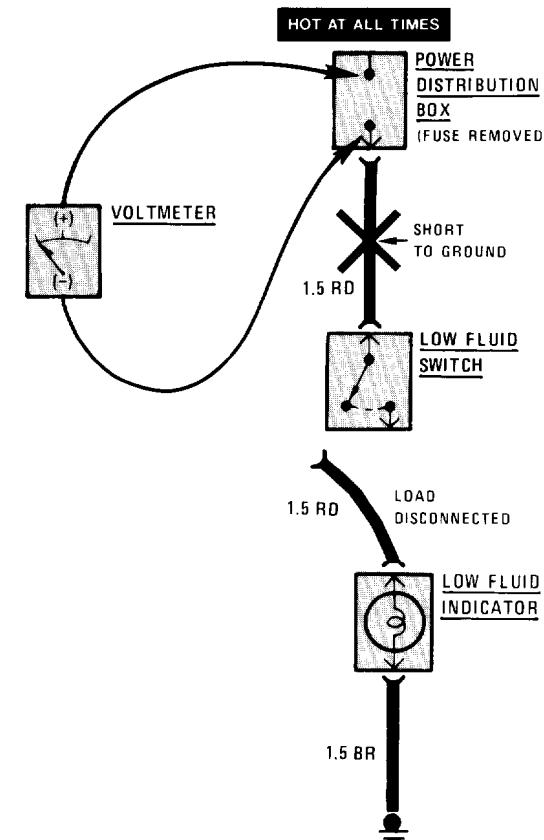


Continuity Test

## Short Test Using Voltmeter

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 **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.



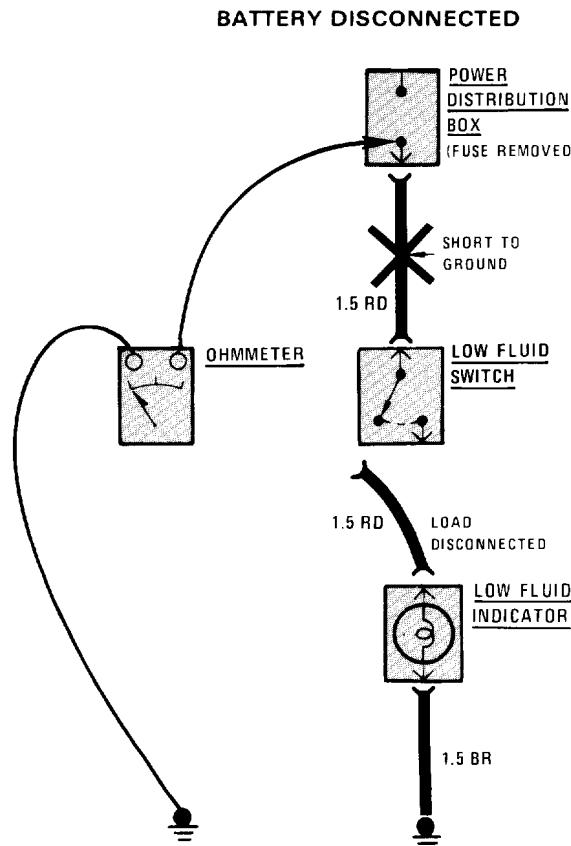
Short Test Using Voltmeter

## 8 SYSTEMATIC TROUBLESHOOTING

### Short Test Using Ohmmeter

Disconnect the battery. Adjust the ohmmeter to read zero while holding the leads together. 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.

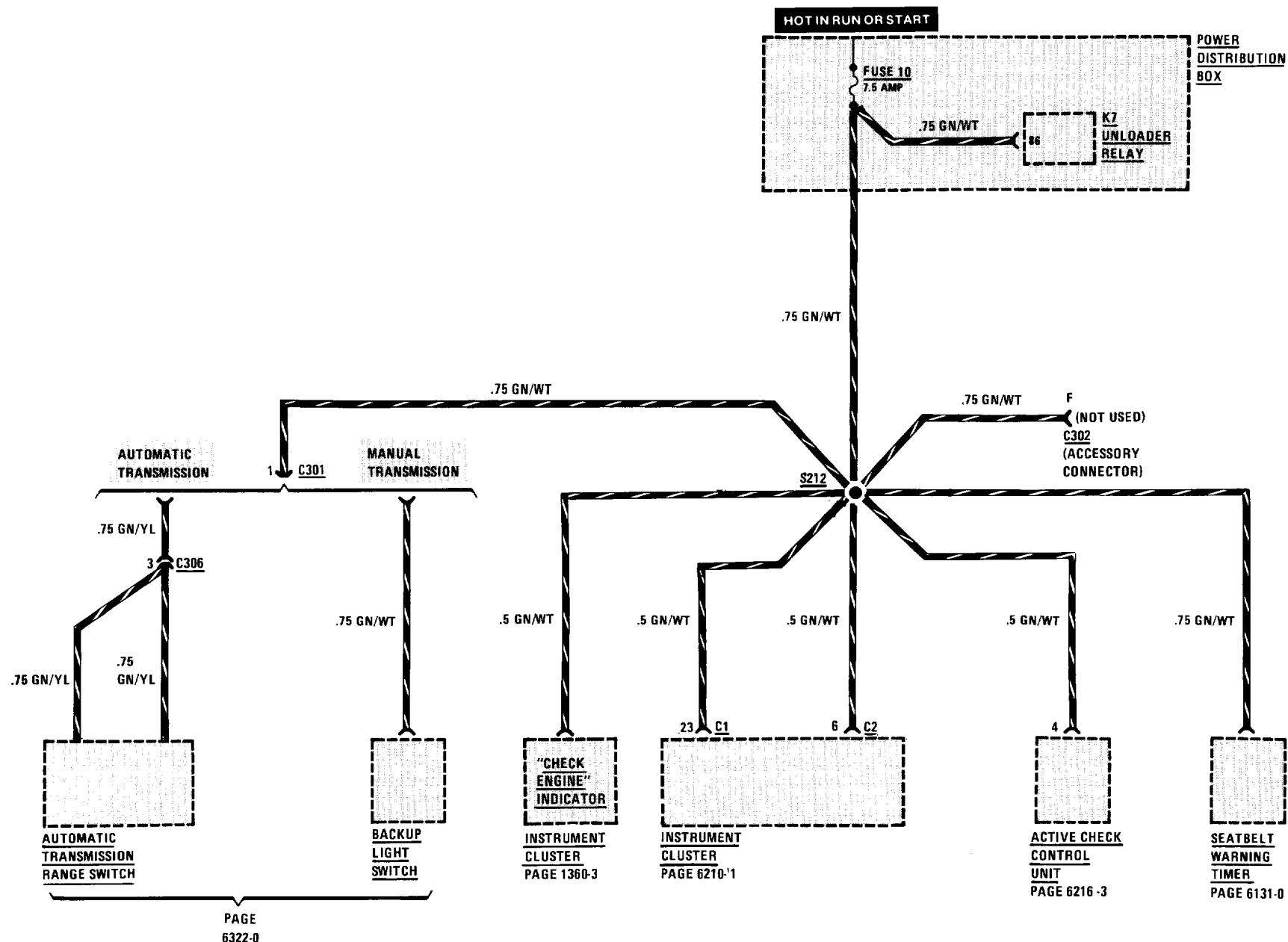
Starting near the POWER DISTRIBUTION BOX, move the wire harness back and forth and watch the ohmmeter reading. Low or no resistance indicates a short to ground in the wiring. Infinitely high resistance indicates no short.



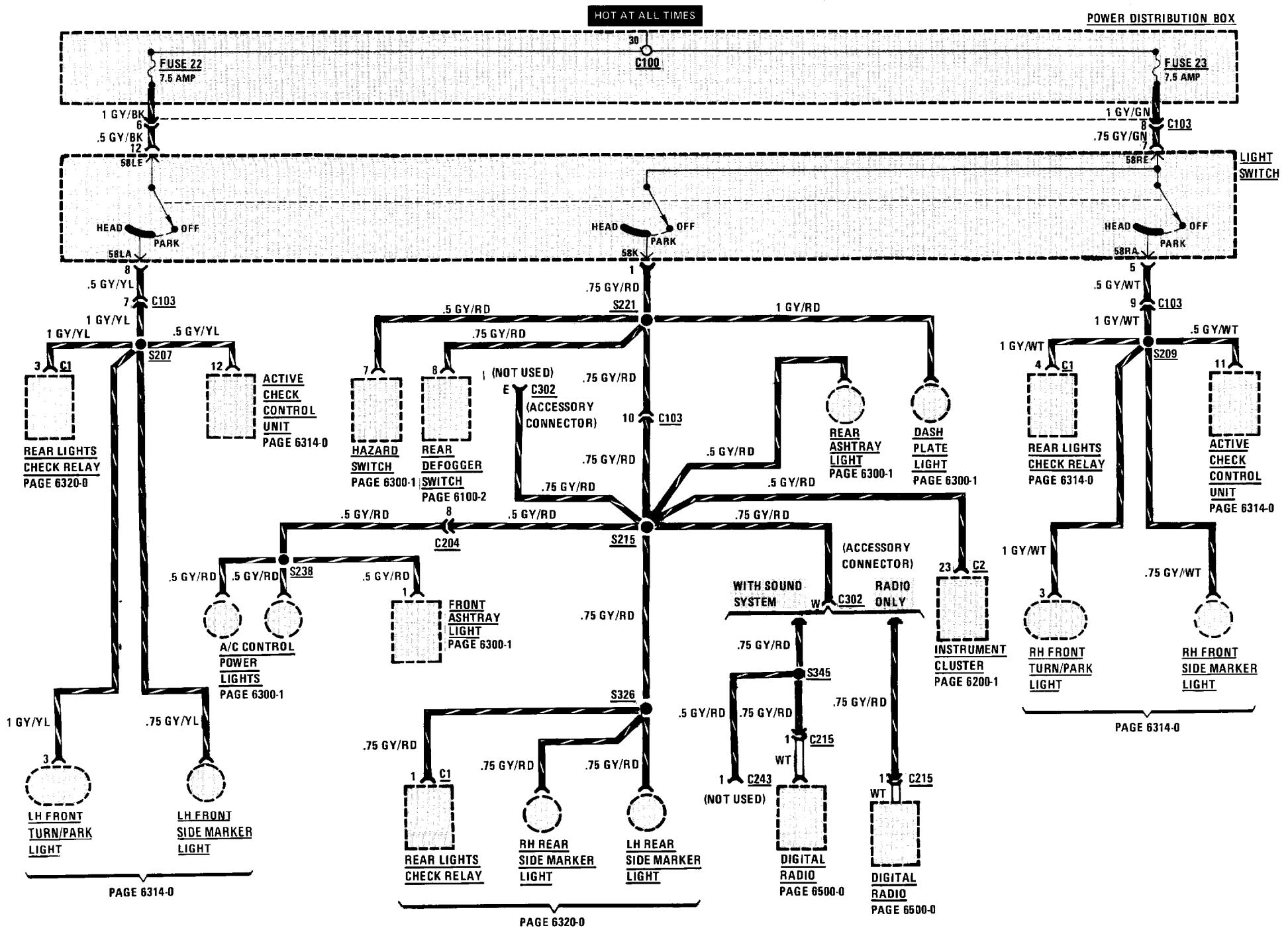
Short Test Using Ohmmeter

# 0670-8 POWER DISTRIBUTION

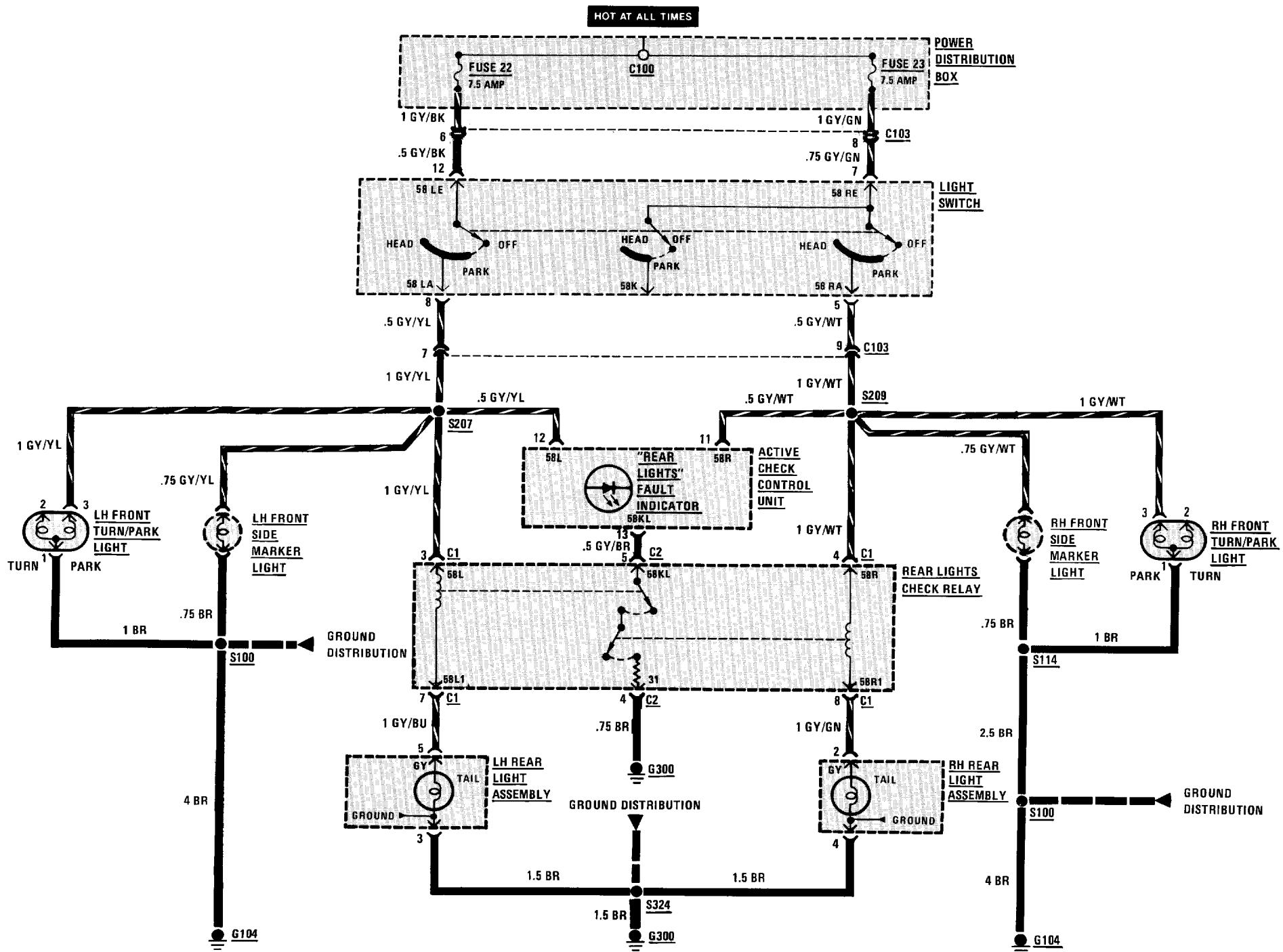
## FUSE DETAILS: FUSE 10



## **6300-0 LIGHT SWITCH DETAILS**



## **6314-0 PARK/TAIL/FRONT MARKER LIGHTS**



# 8000-0 SPLICE LOCATION VIEWS

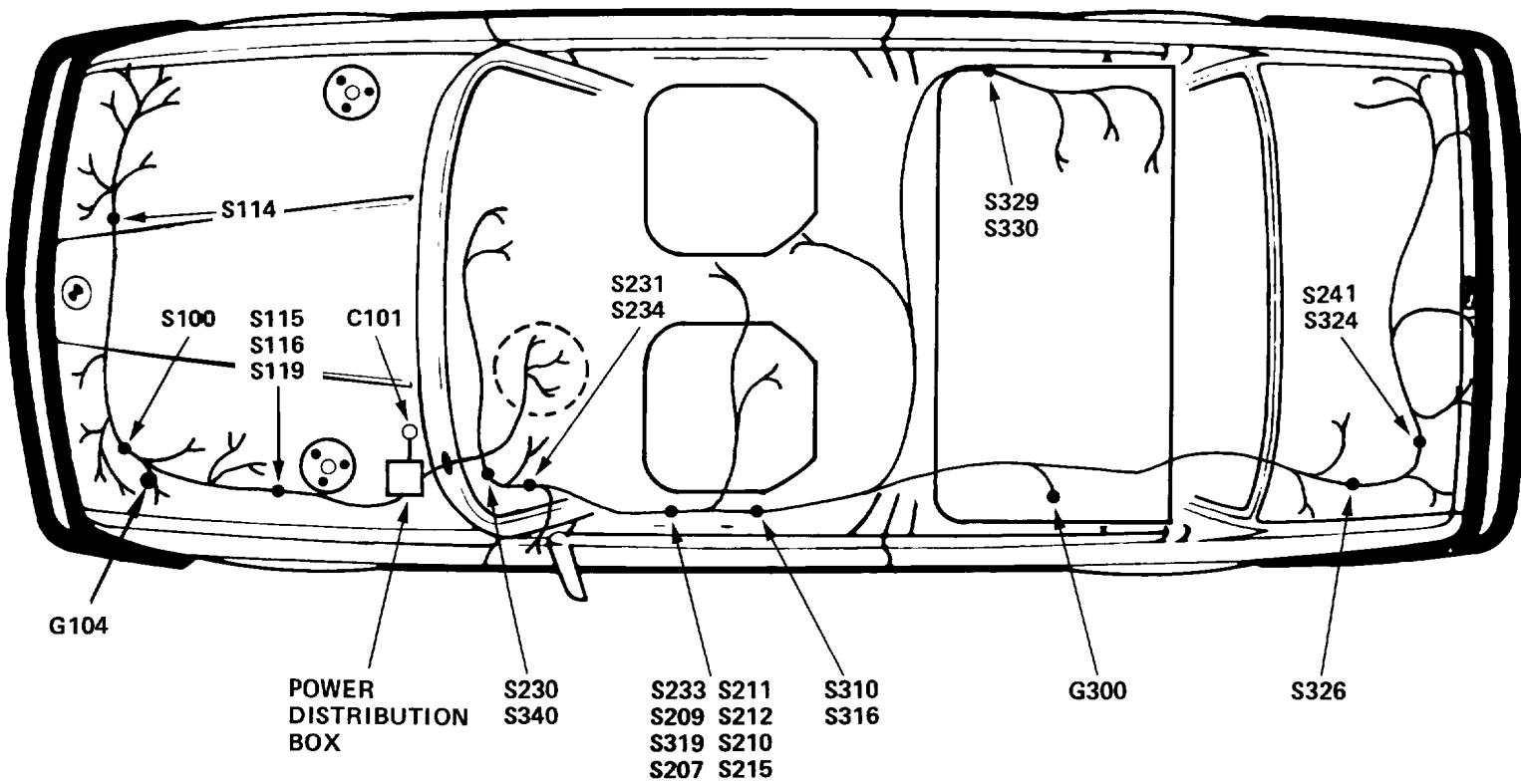
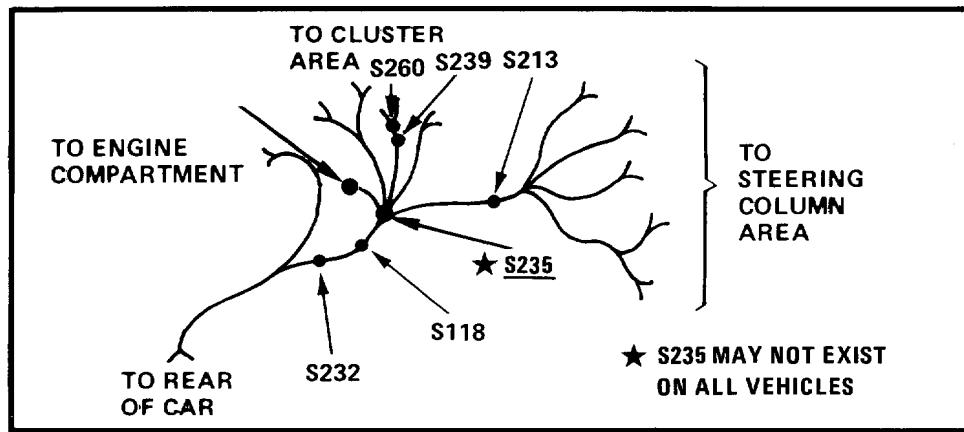
## INDEX

This index lists all the splices in the vehicle, the harness location of each splice, and the page on which each splice appears. The drawings after the index show how the harnesses are routed through the vehicle and the location of the splices on the harness.

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
S100	MAIN	8000-2	S224	MULTI-FUNCTION	NOT SHOWN
S101	ENGINE	8000-3		CLOCK	
S104	ENGINE	8000-3	S225	MULTI-FUNCTION	NOT SHOWN
S105	ENGINE	8000-3		CLOCK	
S106	ENGINE	8000-3	S226	A/C	NOT SHOWN
S107	ENGINE	8000-3	S228	CRUISE	NOT SHOWN
S108	ENGINE	8000-3		CONTROL	
S109	ENGINE	8000-3	S229	A/C	NOT SHOWN
S110	A/C	NOT SHOWN	S230	MAIN	8000-2
S111	ENGINE	8000-3	S231	MAIN	8000-2
S112	ENGINE	8000-3	S232	MAIN	8000-2
S113	ENGINE	8000-3	S233	MAIN	8000-2
S114	MAIN	8000-2	S234	MAIN	8000-2
S115	MAIN	8000-2	S235	MAIN	8000-2
S116	MAIN	8000-2	S238	MAIN	NOT SHOWN
S118	MAIN	8000-2	S239	MAIN	8000-2
S119	MAIN	8000-2	S240	A/C	NOT SHOWN
S201	ON-BOARD COMPUTER	8000-6	S241	MAIN	8000-2
S202	ON-BOARD COMPUTER	8000-6	S250	A/C	NOT SHOWN
S207	MAIN	8000-2	S251	A/C	NOT SHOWN
S209	MAIN	8000-2	S252	A/C	NOT SHOWN
S210	MAIN	8000-2	S260	MAIN	8000-2
S211	MAIN	8000-2	S300	DOOR	8000-4
S212	MAIN	8000-2	S301	DOOR	8000-4
S213	MAIN	8000-2	S302	DOOR	8000-4
S215	MAIN	8000-2	S303	DOOR	8000-4
S219	INSTRUMENT PANEL	8000-5	S304	DOOR	8000-4
S221	INSTRUMENT PANEL	8000-5	S305	DOOR	8000-4
S223	CRUISE CONTROL	NOT SHOWN	S306	INSTRUMENT PANEL	8000-5
			S307	INSTRUMENT PANEL	8000-5
			S309	DOOR	8000-4
			S310	MAIN	8000-2

## 8000-2 SPLICE LOCATION VIEWS

### MAIN HARNESS SPLICE LOCATIONS





---

---

**1991**

---

**BMW 325iX**

---

**Electrical**

---

**Troubleshooting**

---

**Manual**

---

**BMW of North America, Inc.  
Woodcliff Lake, New Jersey**

---

**1991  
BMW 325iX  
Electrical  
Troubleshooting  
Manual**

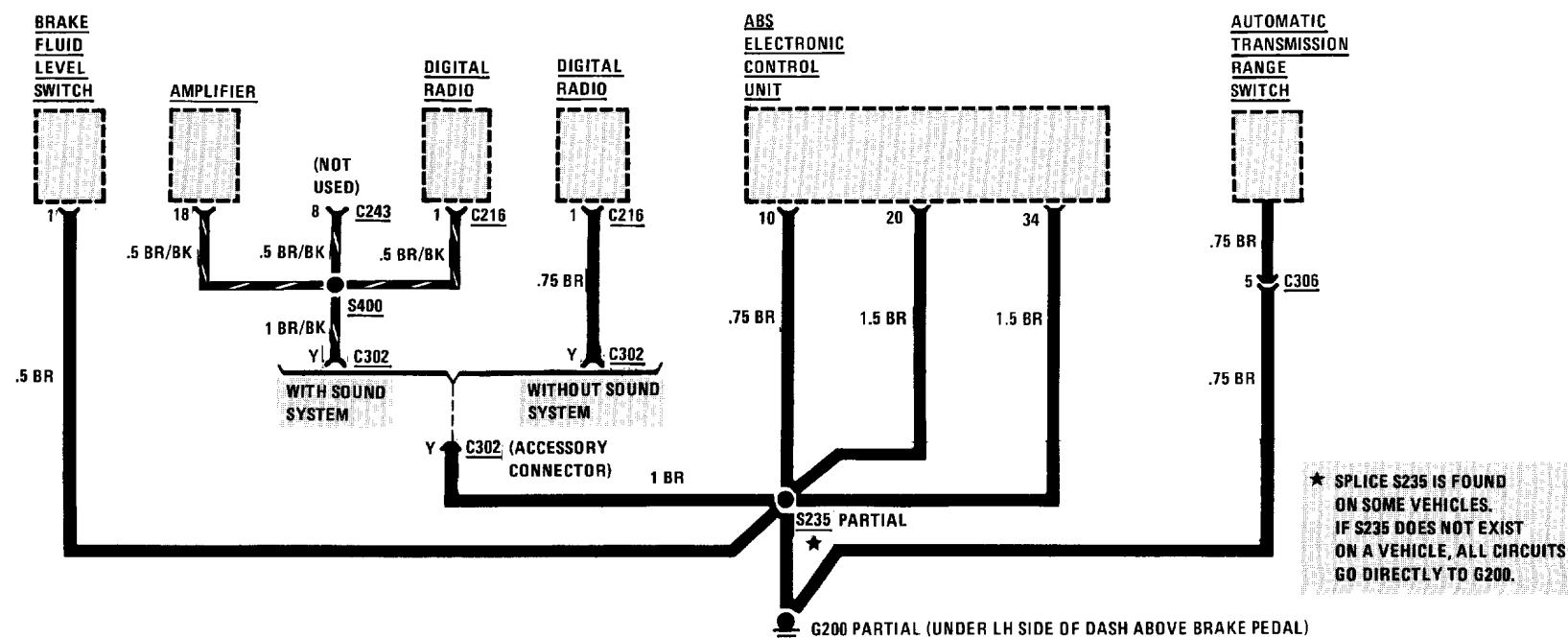
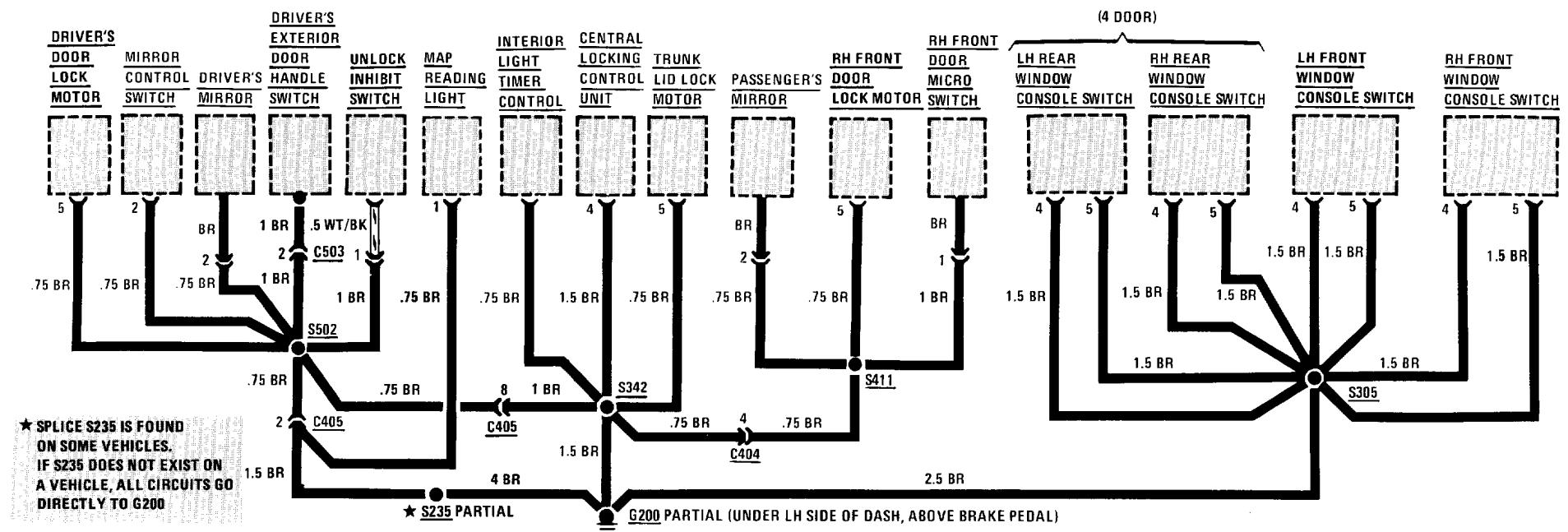
**CONTENTS**

---

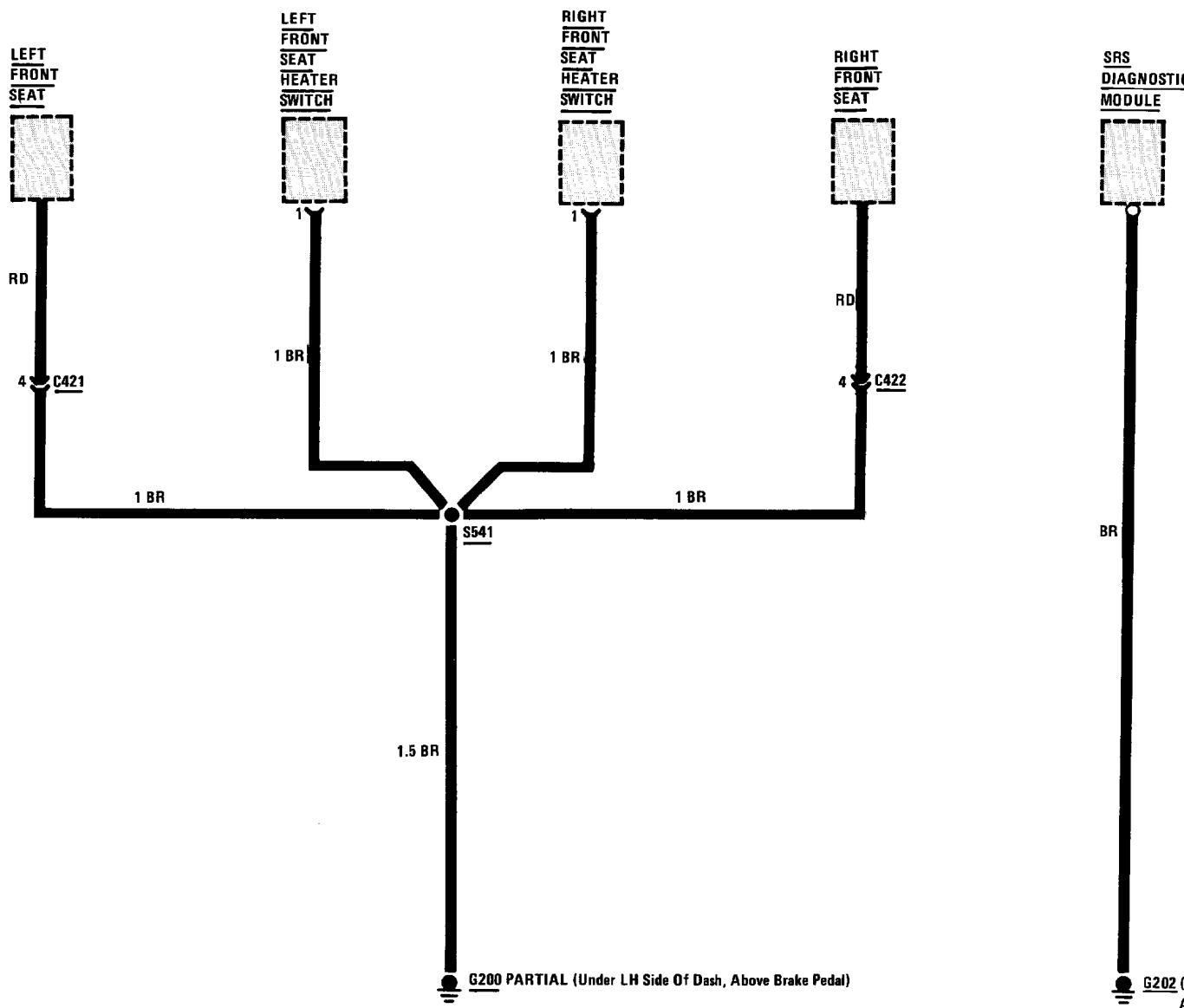
Index . . . . .	2
How To Use This Manual . . . . .	3
Wire Size Conversion Chart . . . . .	3
Symbols . . . . .	4
Systematic Troubleshooting . . . . .	6
Connector Views . . . . .	8500-0
Power Distribution Box . . . . .	0670-0
Fuse Data . . . . .	0670-1
Component Location Chart . . . . .	9000-0
Component Location Views . . . . .	7000-0
Splice Location Views . . . . .	8000-0

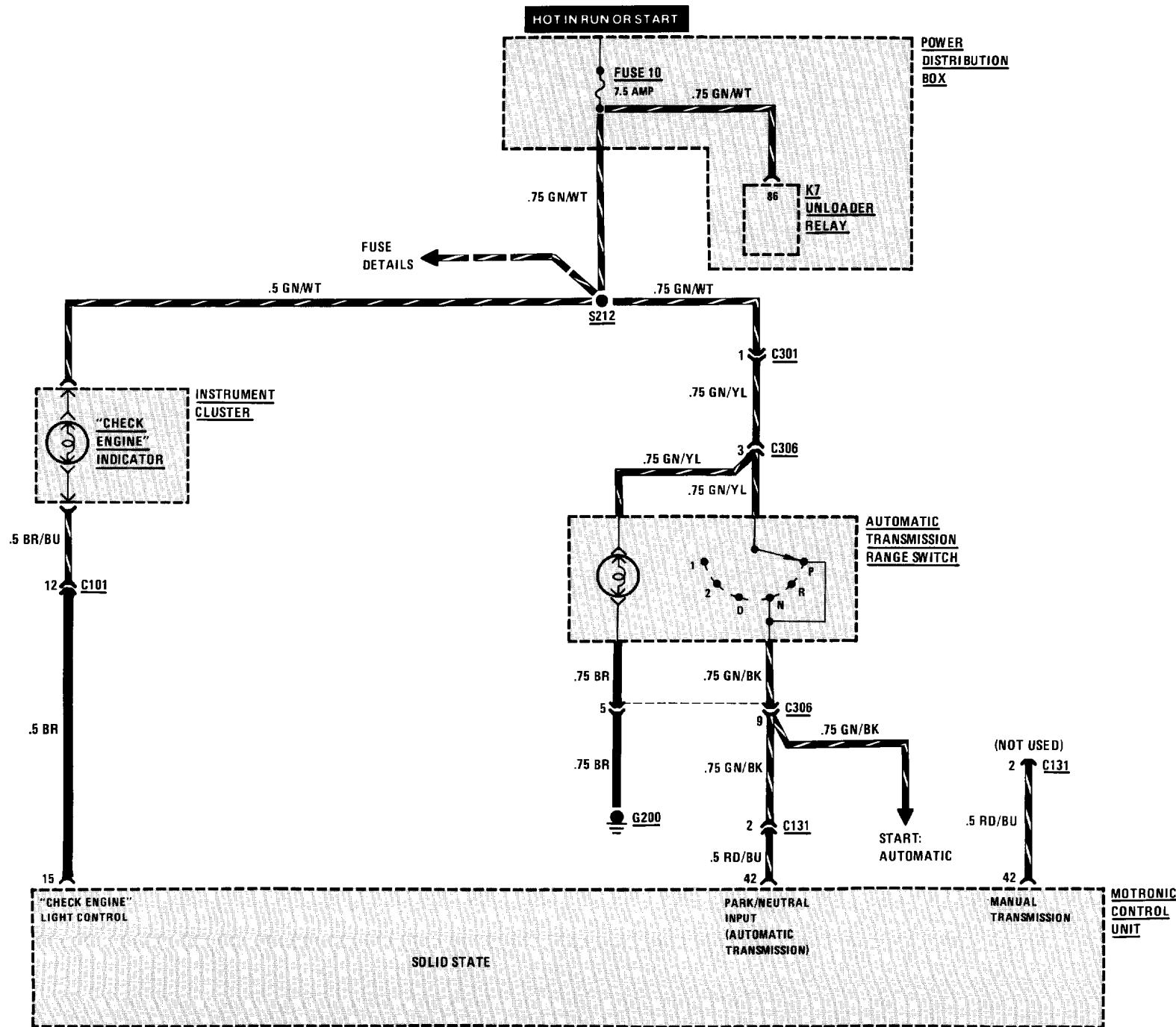
---

## GROUND DISTRIBUTION: G200 (PARTIAL)

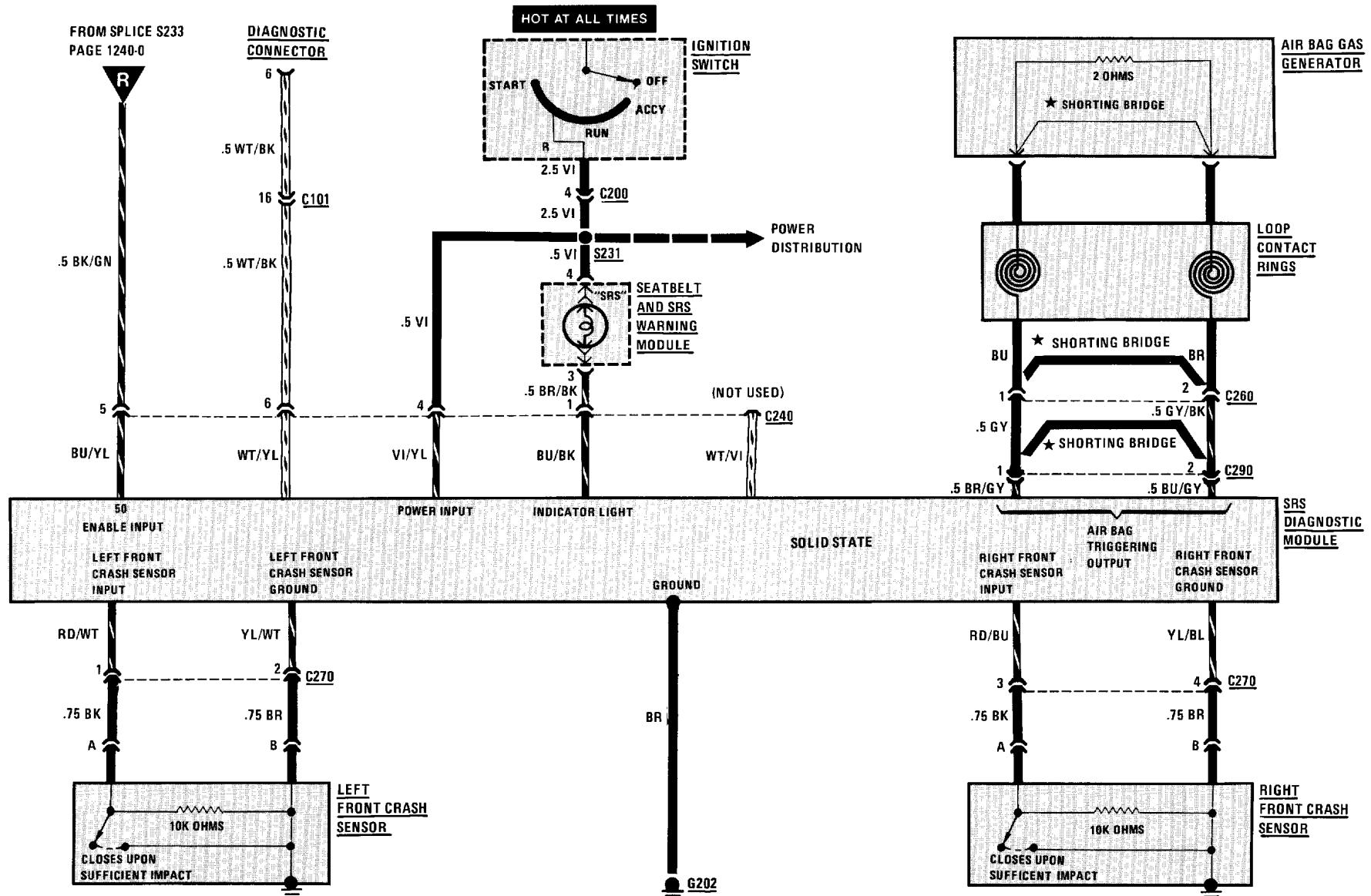


## GROUND DISTRIBUTION: G200 (PARTIAL) AND G202

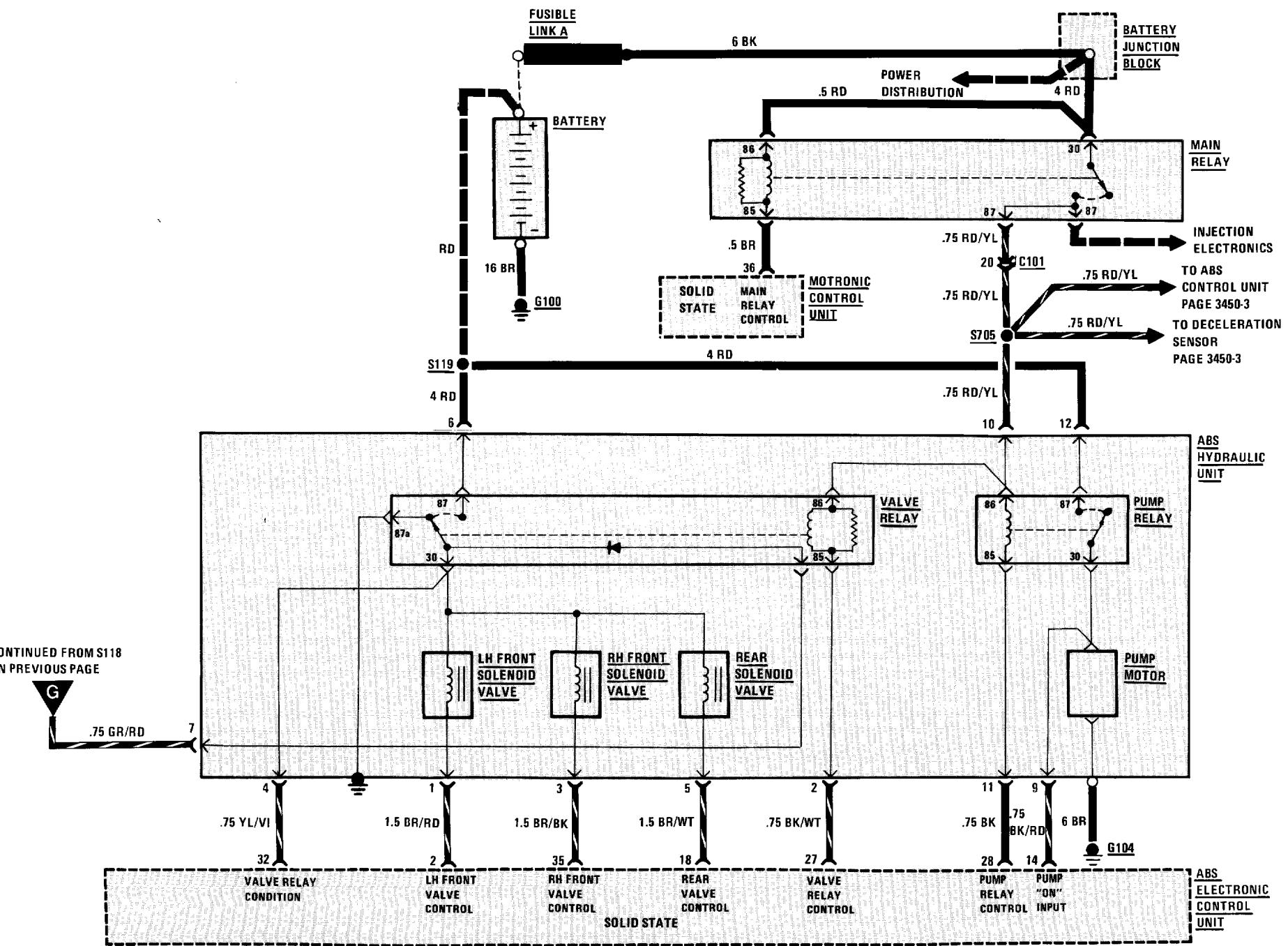




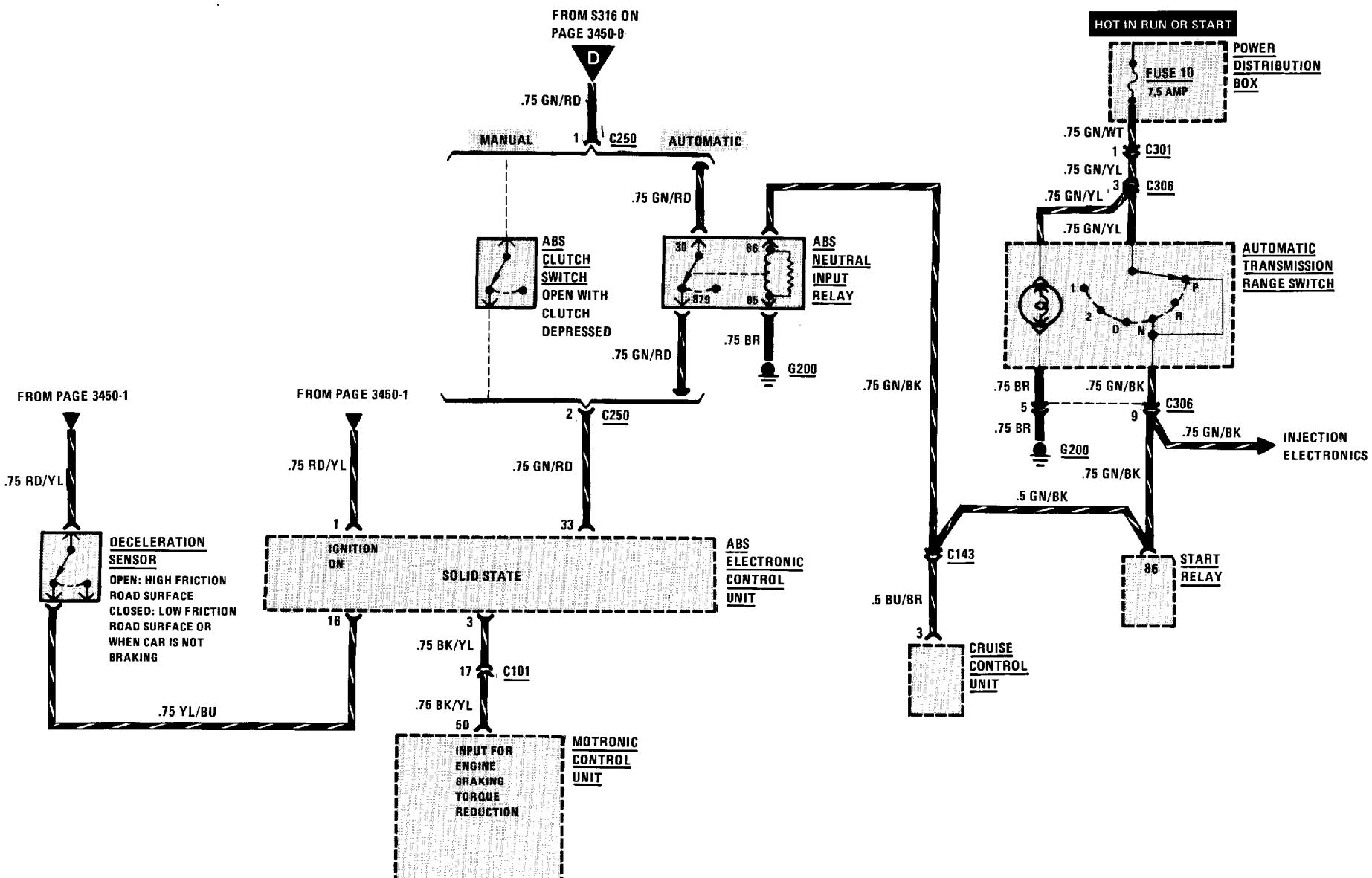
# 3234-0 SUPPLEMENTAL RESTRAINT SYSTEM (SRS)



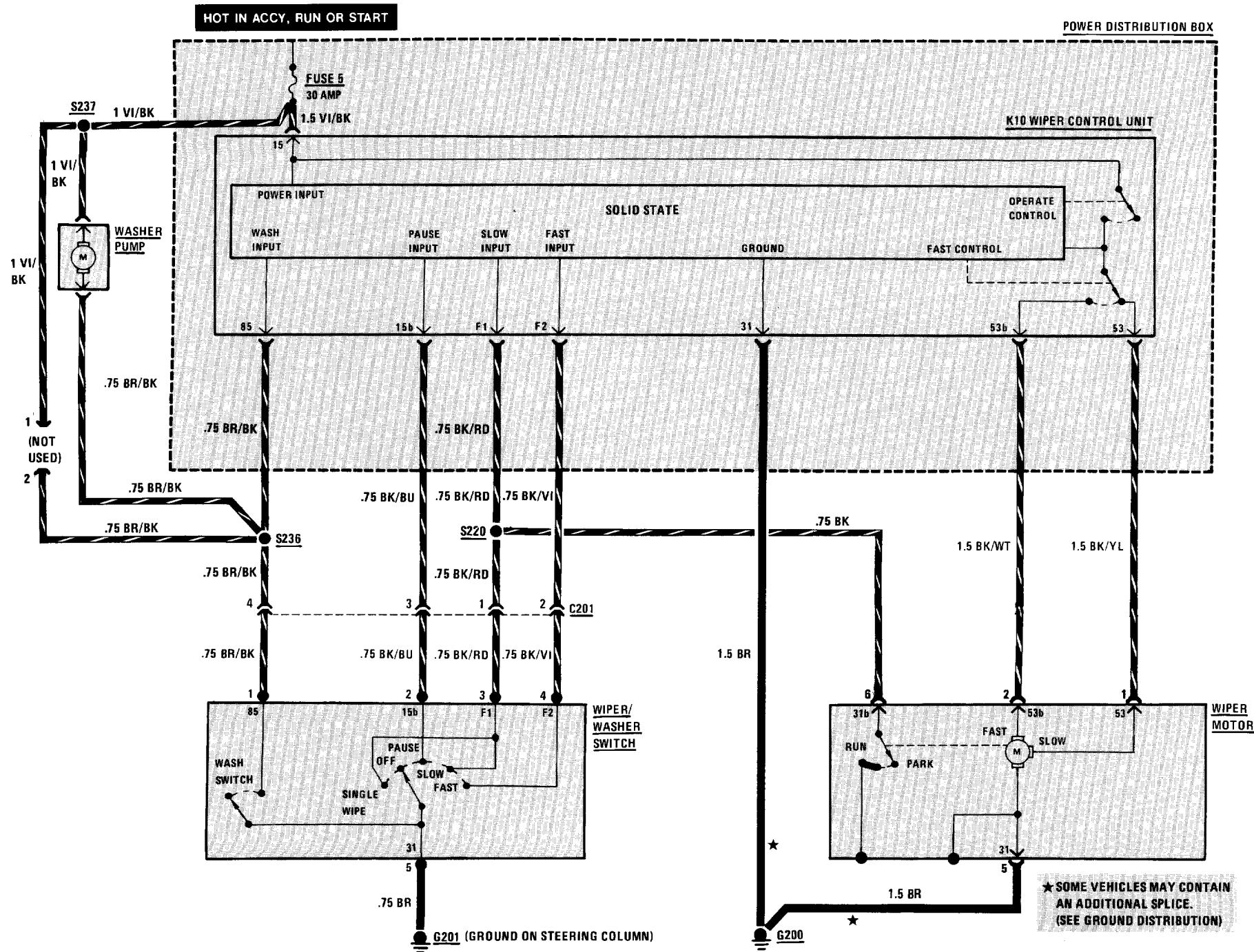
ANTILOCK BRAKING SYSTEM (ABS) 3450-1



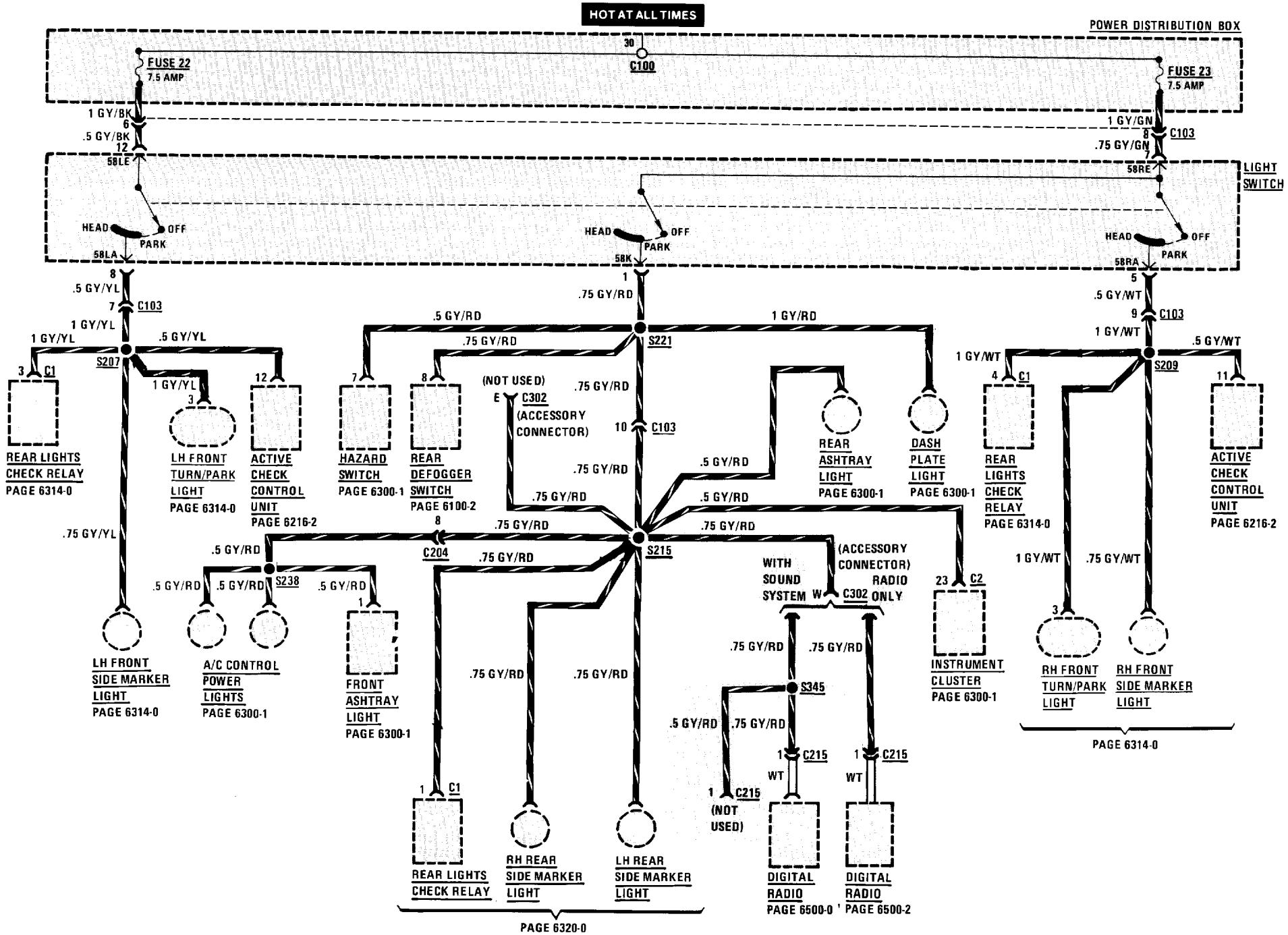
## **ANTILOCK BRAKING SYSTEM (ABS) 3450-3**

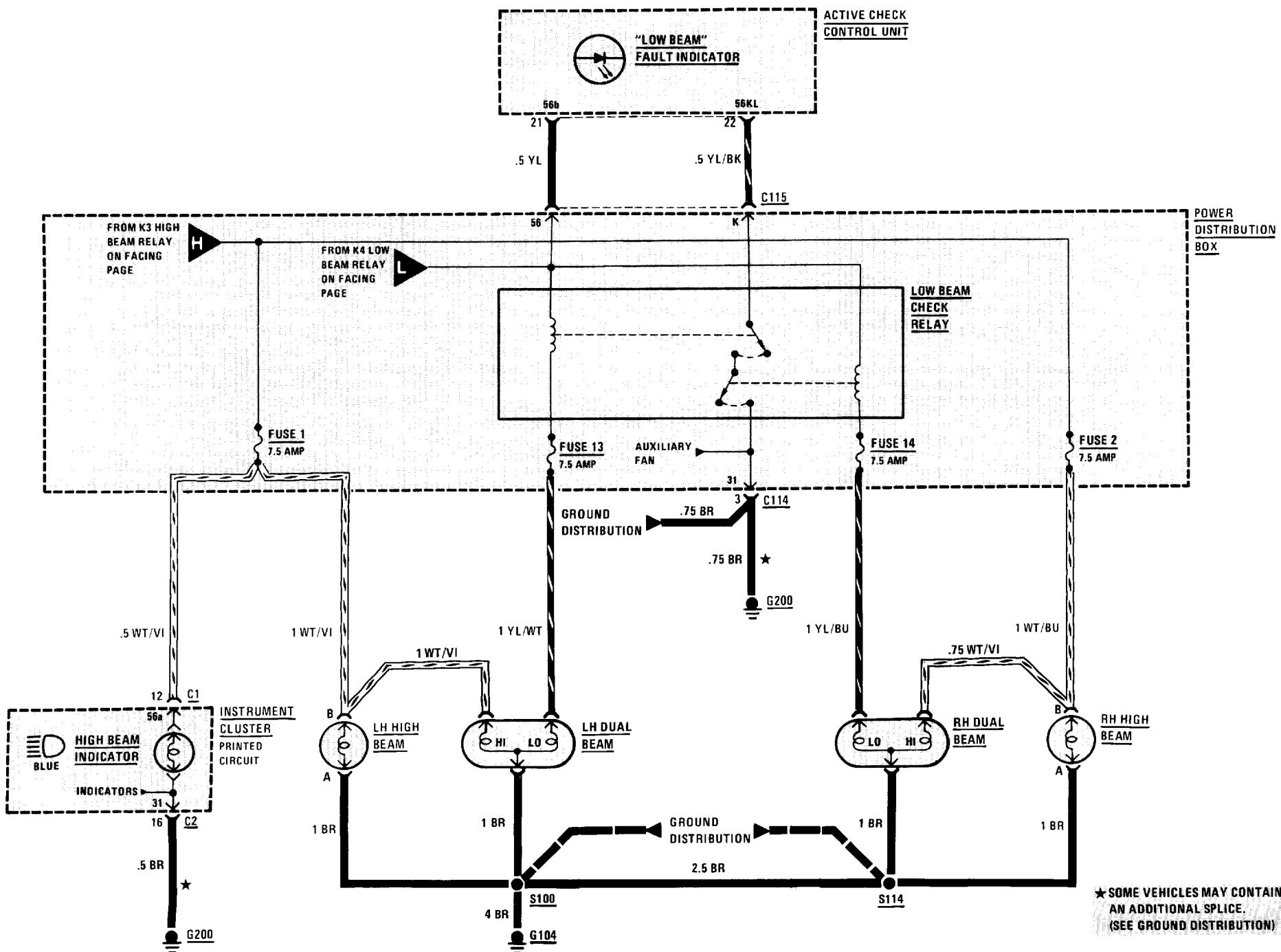


# 6160-0 WIPER/WASHER

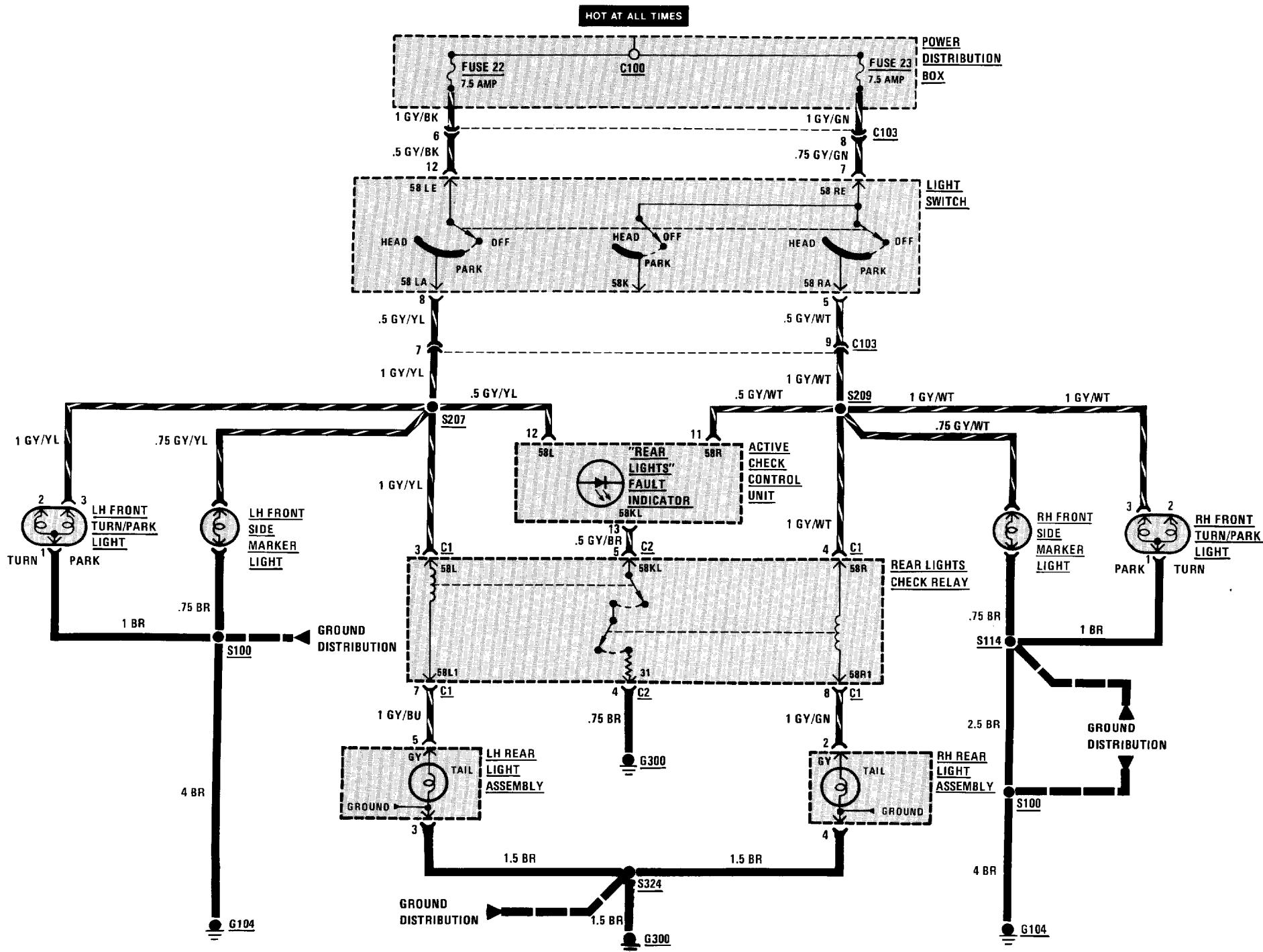


# 6300-0 LIGHT SWITCH DETAILS

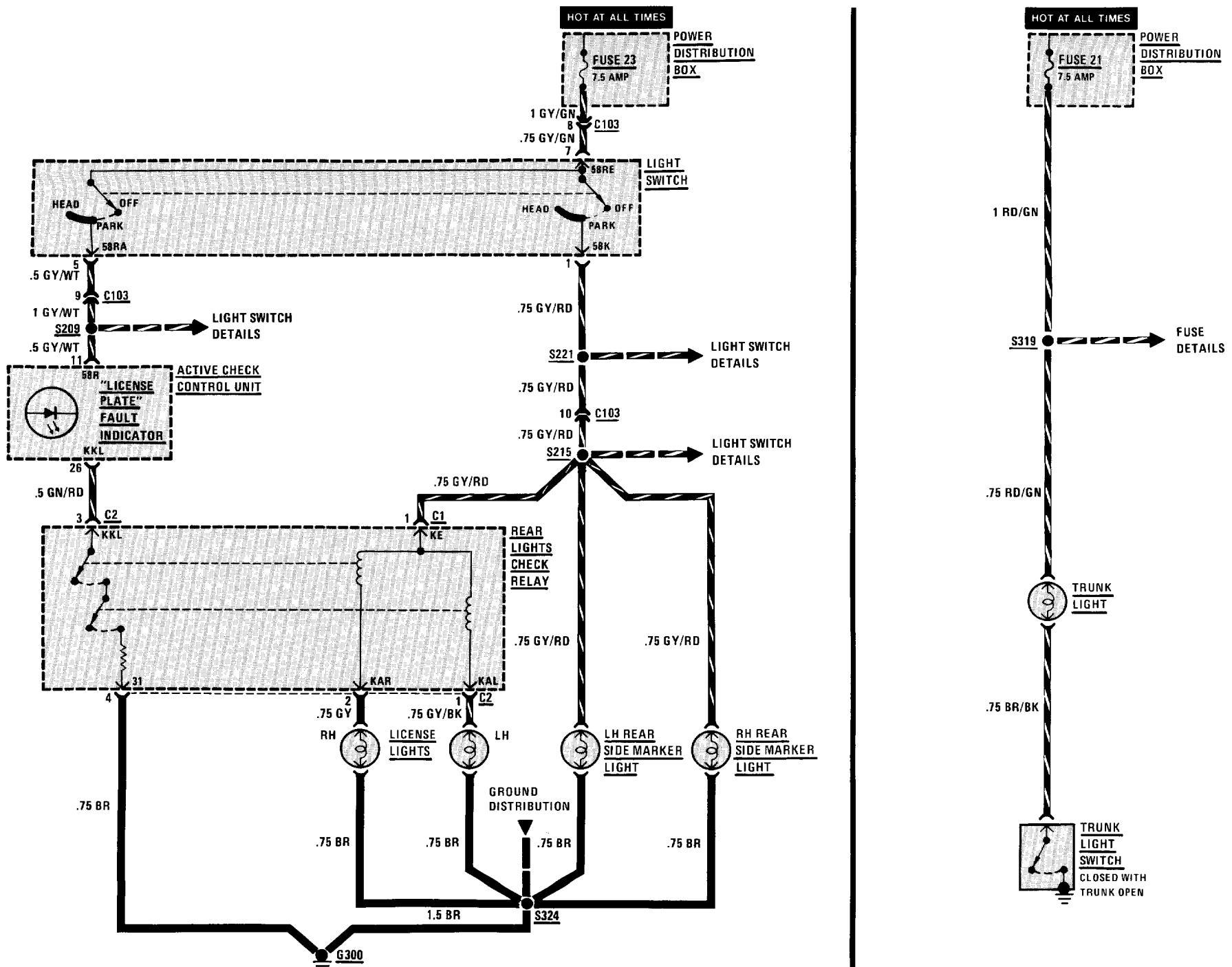




## **6314-0 PARK/TAIL/FRONT MARKER LIGHTS**



# 6320-0 REAR MARKER/LICENSE/TRUNK LIGHTS



# 8000-0 SPLICE LOCATION VIEWS

## INDEX

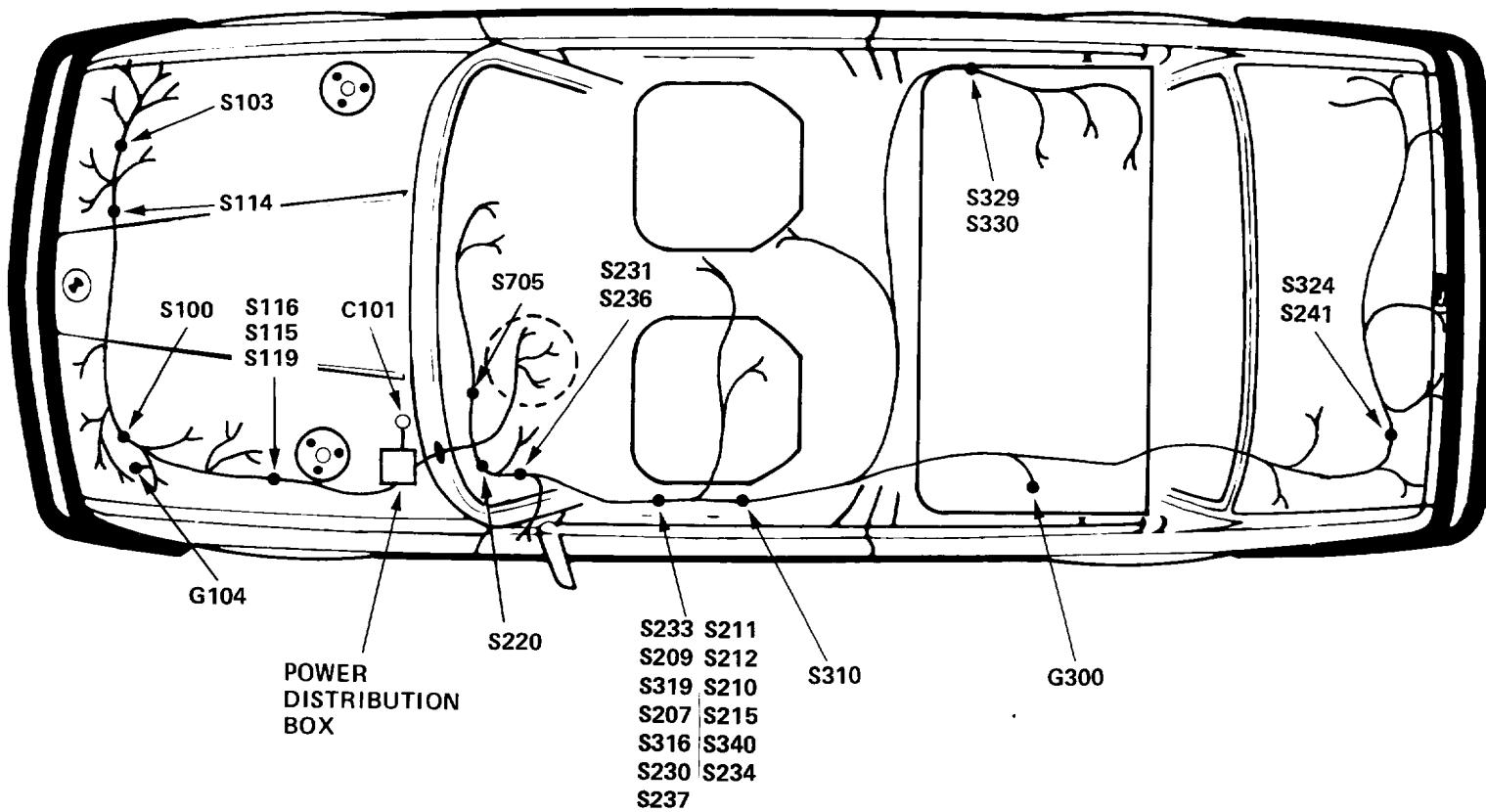
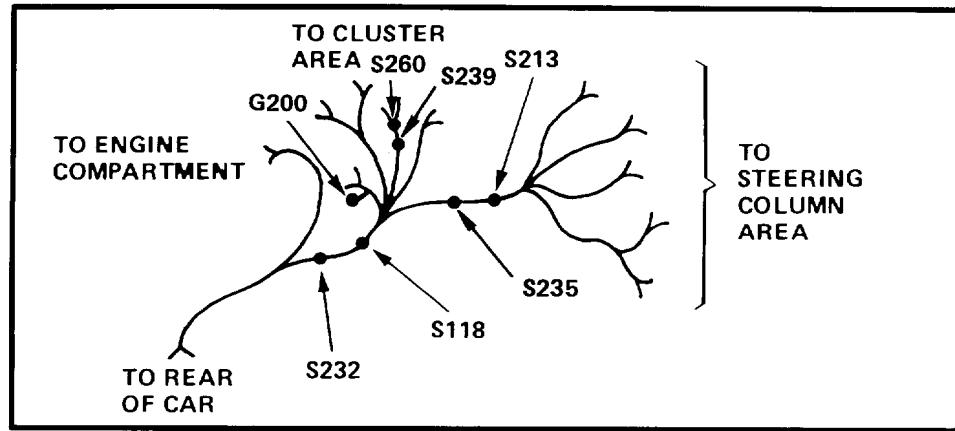
This index lists all the splices in the vehicle, the harness location of each splice, and the page on which each splice appears. The drawings after the index show how the harnesses are routed through the vehicle and the location of the splices on the harnesses.

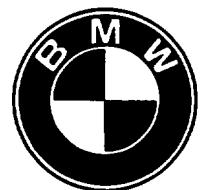
SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
S100	MAIN	8000-2	S221	INSTRUMENT	
S101	ENGINE	8000-2		PANEL	8000-5
S104	ENGINE	8000-3	S223	CRUISE	NOT
S105	ENGINE	8000-3		CONTROL	SHOWN
S106	ENGINE	8000-3	S224	MULTI-	
S107	ENGINE	8000-3		FUNCTION	NOT
S109	ENGINE	8000-3		CLOCK	SHOWN
S111	ENGINE	8000-3	S225	MULTI-	
S112	ENGINE	8000-3		FUNCTION	NOT
S113	ENGINE	8000-3		CLOCK	SHOWN
S114	MAIN	8000-2	S226	A/C	NOT
S115	MAIN	8000-2			SHOWN
S116	MAIN	8000-2	S228	CRUISE	NOT
S118	MAIN	8000-2		CONTROL	SHOWN
S119	MAIN	8000-2	S229	AIR	NOT
S120	ENGINE	8000-3		CONDITIONING	SHOWN
S207	MAIN	8000-2	S230	MAIN	8000-2
S209	MAIN	8000-2	S231	MAIN	8000-2
S210	MAIN	8000-2	S232	MAIN	8000-2
S211	MAIN	8000-2	S233	MAIN	8000-2
S212	MAIN	8000-2	S234	MAIN	8000-2
S213	MAIN	8000-2	S235	MAIN	8000-2
S215	MAIN	8000-2	S236	MAIN	8000-2
S219	INSTRUMENT		S237	MAIN	8000-2
	PANEL	8000-5	S238	MAIN	NOT
S220	MAIN	8000-2			SHOWN

SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
S239	MAIN	8000-2	S340	MAIN	8000-2
S240	AIR	NOT	S341	MAIN	8000-2
	CONDITIONING	SHOWN	S342	DOOR	8000-4
S241	MAIN	8000-2	S345	RADIO	NOT
S250	AIR	NOT			SHOWN
	CONDITIONING	SHOWN	S400	RADIO	NOT
S251	AIR	NOT			SHOWN
	CONDITIONING	SHOWN	S402	DOOR	8000-4
S252	AIR	NOT	S403	RADIO	NOT
	CONDITIONING	SHOWN			SHOWN
S260	MAIN	8000-2	S404	RADIO	NOT
S300	DOOR	8000-4			SHOWN
S301	DOOR	8000-4	S411	DOOR	8000-4
S302	DOOR	8000-4	S420	RADIO	NOT
S303	DOOR	8000-4			SHOWN
S304	DOOR	8000-4	S501	DOOR	8000-4
S305	DOOR	8000-4	S502	DOOR	8000-4
S306	INSTRUMENT PANEL	8000-5	S503	DOOR	8000-4
S307	INSTRUMENT PANEL	8000-5	S504	DOOR	8000-4
			S540	HEATED SEATS	NOT
S309	DOOR	8000-4	S541	HEATED SEATS	NOT
S310	MAIN	8000-2			SHOWN
S313	RADIO	NOT	S542	HEATED SEATS	NOT
		SHOWN			SHOWN
S316	MAIN	8000-2	S543	HEATED SEATS	NOT
S319	MAIN	8000-2			SHOWN
S322	DOOR	8000-4	S700	ENGINE	8000-3
S323	DOOR	8000-4	S701	ENGINE	8000-3
S324	MAIN	8000-2	S702	ENGINE	8000-3
S329	MAIN	8000-2	S704	ENGINE	8000-3
S330	MAIN	8000-2	S705	MAIN	8000-2
S332	DOOR	8000-4			
S333	DOOR	8000-4			

## 8000-2 SPLICE LOCATION VIEWS

### MAIN HARNESS SPLICE LOCATIONS





---

**1991**

---

**BMW M3**

---

**Electrical**

---

**Troubleshooting**

---

**Manual**

---

BMW of North America, Inc.  
Woodcliff Lake, New Jersey

**1991  
BMW M3  
Electrical  
Troubleshooting  
Manual**

**CONTENTS**

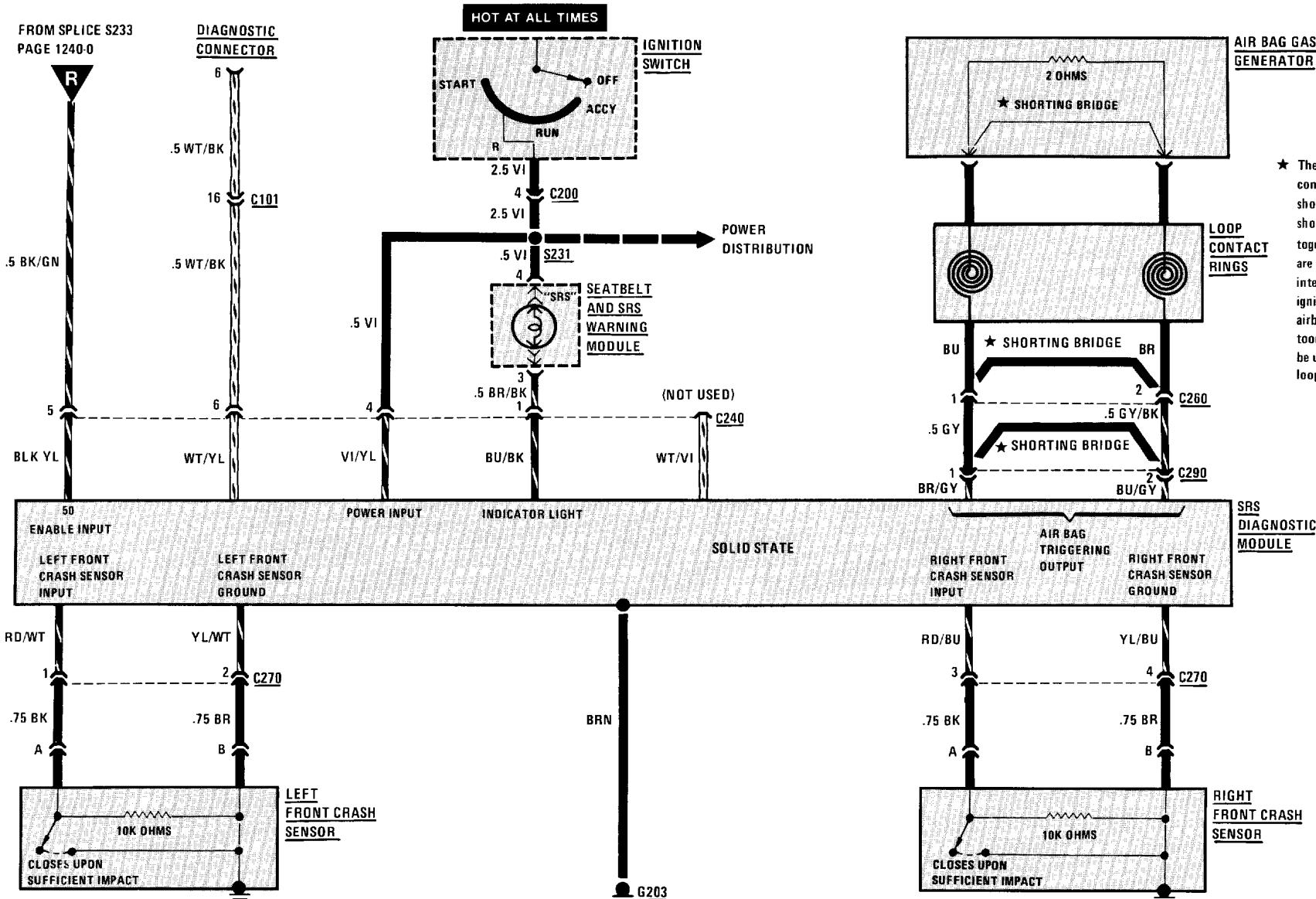
---

Index .....	2
How To Use This Manual .....	3
Wire Size Conversion Chart .....	3
Symbols .....	4
Systematic Troubleshooting .....	6
Connector Views .....	8500-0
Power Distribution Box .....	0670-0
Fuse Data .....	0670-1
Component Location Chart .....	9000-0
Component Location Views .....	7000-0
Splice Location Views .....	8000-0

---

# 3234-0 SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

FROM SPLICE S233  
PAGE 1240-0



★ The driver's airbag generator connectors are fitted with shorting bridges. The bridges short the generator leads together when the connectors are demated to prevent unintentional triggering of the igniter, when working on the airbag system. Only special tool 62 1260 (test lead) may be used to check the wire loop and igniter resistance.



---

---

**1991**

---

**BMW 325i Convertible**

---

**Electrical**

---

**Troubleshooting**

---

**Manual**

---

BMW of North America, Inc.  
Woodcliff Lake, New Jersey

---

**1991**  
**BMW 325i Convertible**  
**Electrical**  
**Troubleshooting**  
**Manual**

---

## **CONTENTS**

---

Index . . . . .	2
How To Use This Manual . . . . .	3
Wire Size Conversion Chart . . . . .	3
Symbols . . . . .	4
Systematic Troubleshooting . . . . .	6
Connector Views. . . . .	8500-0
Power Distribution Box . . . . .	0670-0
Fuse Data . . . . .	0670-1
Component Location Chart . . . . .	9000-0
Component Location Views . . . . .	7000-0
Splice Location Views . . . . .	8000-0

---

**Index — Alphabetical Listing of Electrical Circuits**

PAGE	PAGE	PAGE			
Active Check Control . . . . .	6216-0	— G200 . . . . .	0670-13	Cigar Lighter . . . . .	6300-1
A/C Air Delivery Control . . . . .	6421-0	. . . . .	0670-14	— Dash . . . . .	6300-1
A/C Blower Controls . . . . .	6413-0	. . . . .	0670-15	— Fog . . . . .	6312-0
A/C Compressor Controls . . . . .	6452-0	. . . . .	0670-16	— Front Side Marker . . . . .	6314-0
A/C Temperature Control . . . . .	6411-0	— G201 . . . . .	0670-14	— Front Turn/Park . . . . .	6314-0
Antilock Braking System (ABS) . . . . .	3450-0	— G202 . . . . .	0670-17	— Glove Box . . . . .	6100-1
Auto-Charging Flashlight . . . . .	6100-1	— G300 . . . . .	0670-17	— Hazard Switch . . . . .	6313-0
Auxiliary Fan . . . . .	6454-0	Heated Seats . . . . .	5200-0	— Headlights . . . . .	6312-0
Auxiliary Fuse . . . . .	0670-2	Horns . . . . .	6100-0	— Instrument Cluster . . . . .	6300-1
Brake Warning System . . . . .	3435-0	Ignition Key Warning . . . . .	6131-0	— Interior . . . . .	6330-0
Central Locking . . . . .	5126-0	Indicators . . . . .		— License . . . . .	6320-0
Charge System . . . . .	1230-0	— Active Check Control Alarm . . . . .	6216-2	— Map Reading Light . . . . .	6100-1
Cigar Lighter . . . . .	6100-1	— "Brake Lights" Fault . . . . .	6216-1	— Park . . . . .	6314-0
Component Location Chart . . . . .	9000-0	— "Brake Lining" Wear . . . . .	3435-0	— Rear Side Marker . . . . .	6320-0
Component Location Views . . . . .	7000-0	— "Brake" Warning . . . . .	3435-0	— Stop . . . . .	6325-0
Connector Views . . . . .	8500-0	— Charge . . . . .	1230-0	— Tail . . . . .	6314-0
Cruise Control . . . . .	6571-0	— "Coolant" Level Fault . . . . .	6216-2	— Trunk . . . . .	6320-0
Electro-Mechanical Convertible Top . . . . .	5400-0	— "Engine Oil" Fault . . . . .	6216-2	— Turn/Hazard . . . . .	6313-0
Fuel Economy Gauge . . . . .	6210-3	— Fasten Seatbelts . . . . .	6216-2	Light Switch Details . . . . .	6300-0
Fuel Gauge . . . . .	6210-1	— Fog Lights . . . . .	6312-0	On-Board Computer . . . . .	6581-0
Fuse Data Chart . . . . .	0670-1	— High Beam . . . . .	6312-1	Power Antenna . . . . .	6500-0
Fuse Details . . . . .		— Inspection . . . . .	6210-2	Power Distribution . . . . .	0670-0
— Fuse 4 . . . . .	0670-6	— LH Turn . . . . .	6313-1	Power Distribution Box . . . . .	0670-0
— Fuse 5 . . . . .	0670-6	— "License Plate" Fault . . . . .	6216-1	Power Mirrors . . . . .	5116-0
— Fuse 6 . . . . .	0670-6	— "Low Beam" Fault . . . . .	6216-0	Power Windows . . . . .	5133-0
— Fuse 8 . . . . .	0670-7	— Low Fuel Warning . . . . .	6210-1	Radio . . . . .	6500-0
— Fuse 9 . . . . .	0670-11	— Oil Pressure Warning . . . . .	6210-1	Rear Defogger . . . . .	6100-2
— Fuse 10 . . . . .	0670-8	— Oil Service . . . . .	6210-2	Seatbelt Warning . . . . .	6131-0
— Fuse 12 . . . . .	0670-7	— "Park Brake" . . . . .	3435-0	Service Interval Indicator . . . . .	6210-2
— Fuse 19 . . . . .	0670-7	— "Rear Lights" Fault . . . . .	6216-1	Speedometer . . . . .	6210-0
— Fuse 20 . . . . .	0670-9	— RH Turn . . . . .	6313-1	Splice Location Views Index . . . . .	8000-0
— Fuse 21 . . . . .	0670-10	— "Washer Fluid" Fault . . . . .	6216-2	Start . . . . .	
— Fuse 27 . . . . .	0670-11	Injection Electronics . . . . .	1360-0	— Automatic . . . . .	1240-0
Gauges . . . . .	6210-1	Instrument Cluster . . . . .	6210-0	— Manual . . . . .	1240-1
Ground Distribution . . . . .		Lights . . . . .		Tachometer . . . . .	6210-3
— G103 . . . . .	0670-12	— A/C Control Power . . . . .	6300-1	Temperature Gauge . . . . .	6210-1
— G104 . . . . .	0670-13	— Ashtray, Rear . . . . .	6300-1	Warnings . . . . .	
		— Back Up . . . . .	6322-0	— Ignition Key/Seatbelt . . . . .	6131-0
				Wiper/Washer . . . . .	6160-0

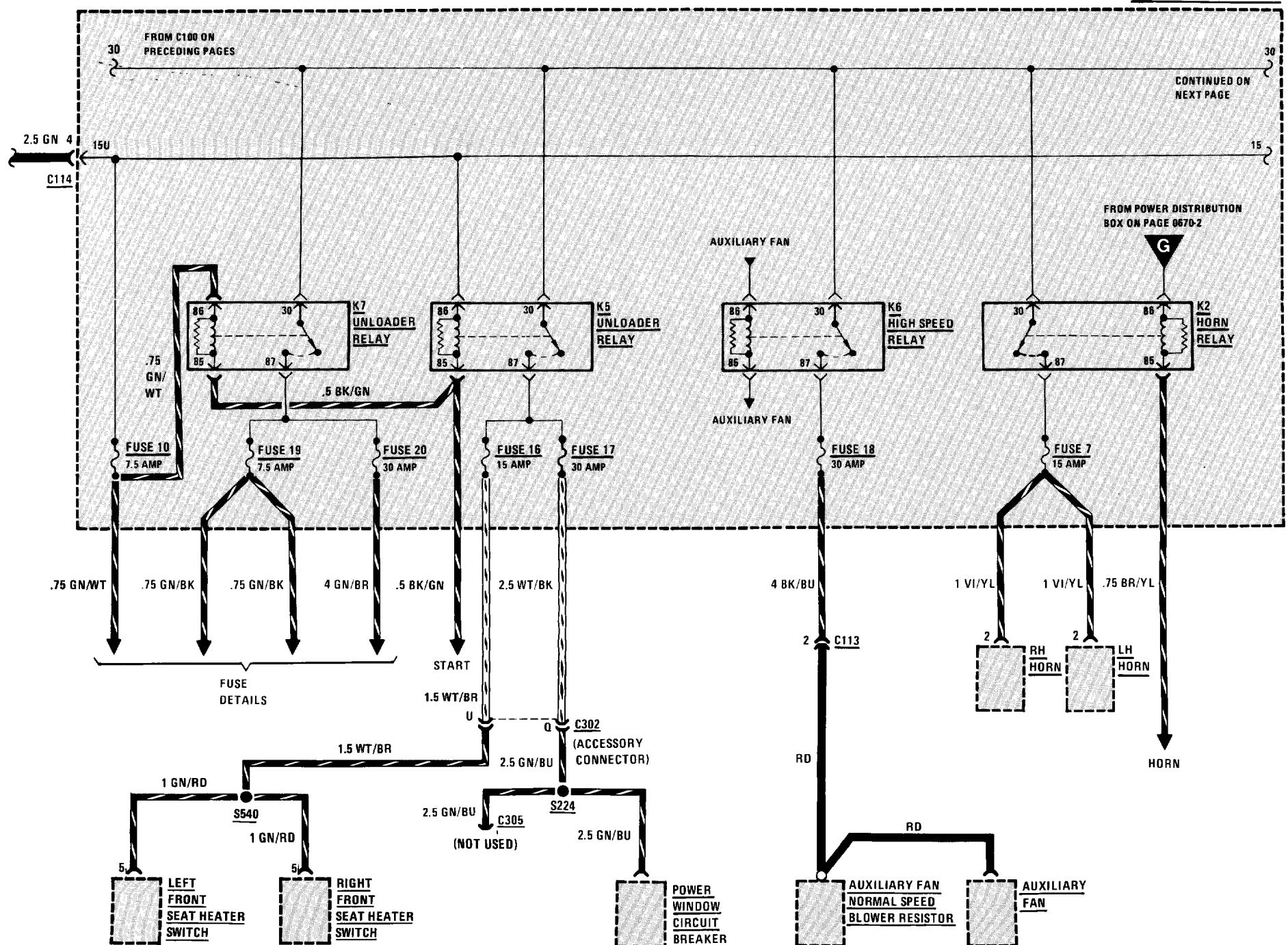
# POWER DISTRIBUTION 0670-1

## FUSE DATA CHART

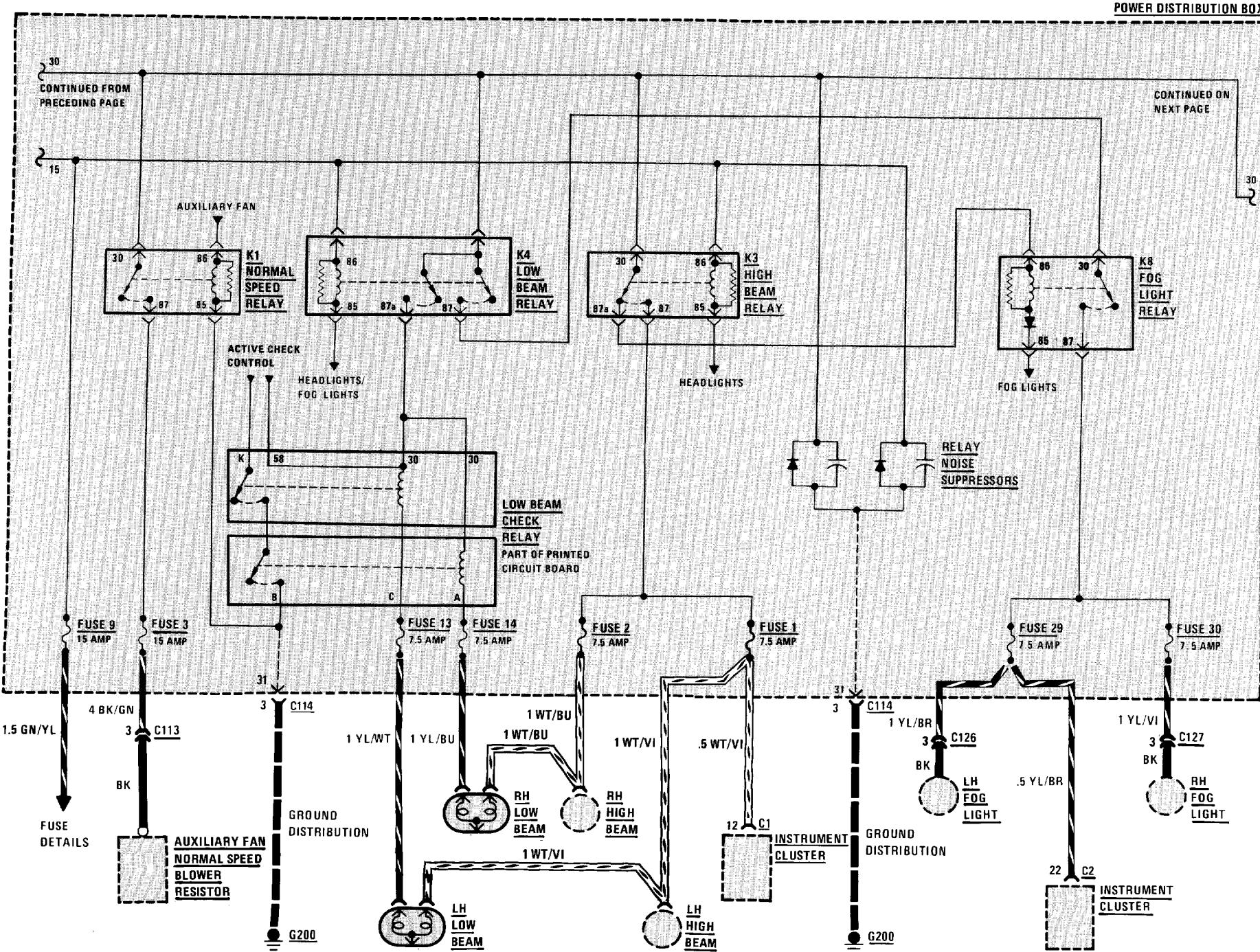
FUSE NO.	SIZE	CIRCUIT NAME
1	7.5A	Headlights (also fuses 2, 13, 14); High Beam Indicator.
2	7.5A	Headlights (also fuses 1, 13, 14).
3	15A	Auxiliary Fan (also fuses 18, 19, 20).
4	15A	Lights: Turn/Hazard Warning (also fuse 24); Active Check Control (also fuses 6, 10, 21, 22, 23). Glove Box Light; Electro-Mechanical Convertible Top (also fuses 21, 25).
5	30A	Wiper/Washer.
6	7.5A	Stop Lights/Cruise Control Active Check Control (also fuses 4, 10, 21, 22, 23); Antilock Braking System; Cruise Control (also fuse 10); Map Reading Light.
7	15A	Horn.
8	30A	Rear Defogger (also fuse 23).
9	15A	Injection Electronics (also fuses 10, 11, 21).
10	7.5A	Ignition Key Warning/Seatbelt Warning (also Fuse 21); Service Interval Indicator (also fuse 21); Tachometer/Fuel Economy Gauges (also fuse 21); Gauges/Indicators; Brake Warning System; Back Up Lights; On-Board Computer (also fuses 12, 21, 27); Start; Injection Electronics (also fuses 9, 11, 21); Active Check Control (also fuses 4, 6, 21, 22, 23); Cruise Control (also fuse 6).
11	7.5A	Injection Electronics (also fuses 9, 10, 21).
12	7.5A	Radio (also fuses 21, 27, 28); Speedometer/Indicators; On-Board Computer (also fuses 10, 21, 27).
13	7.5A	Headlights (also fuses 1, 2, 14).
14	7.5A	Headlights (also fuses 1, 2, 13).
15		Not Used.
16	15A	Heated Seats.
17	30A	Power Windows.
18	30A	Auxiliary Fan (also fuses 3, 19, 20).
19	7.5A	Auxiliary Fan (also fuses 3, 18, 20); Interior Lights (also fuses 21, 27); Power Mirrors.

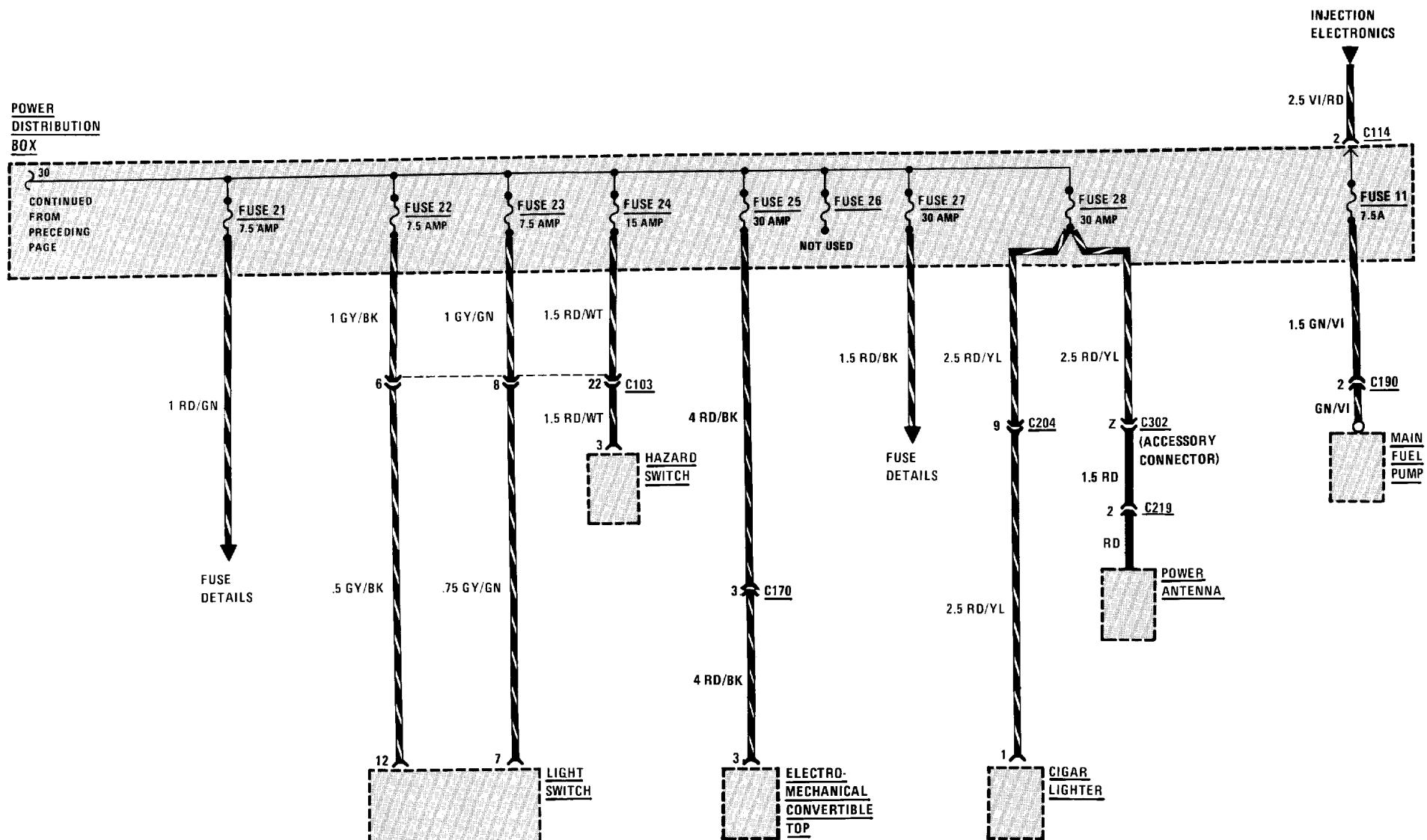
FUSE NO.	SIZE	CIRCUIT NAME
20	30A	Heater/Air Conditioning; Auxiliary Fan (also fuses 3, 18, 19).
21	7.5A	Auto-Charging Flashlight; Ignition Key Warning/Seatbelt Warning (also fuse 10); Injection Electronics (also fuses 9, 10, 11); Interior Lights (also fuses 19, 27); Radio/Antenna (also fuses 12, 27, 28); Trunk Light; Active Check Control (also fuses 4, 6, 10, 22, 23); Service Interval Indicator (also fuse 10); On-Board Computer (also fuses 10, 12, 23, 27); Tachometer/Fuel Economy Gauge (also fuse 10); Electro-Mechanical Convertible Top (also fuses 4, 25)
22	7.5A	Active Check Control (also fuses 4, 6, 10, 21, 23); Lights: Front Park/Tail (also fuse 23); Lights: Front Side Marker (also fuse 23).
23	7.5A	Lights: Dash; Lights: Front Park/Tail (also fuse 22); Lights: Front Side Marker (also fuse 22); Lights: Rear Marker/License; Active Check Control (also fuses 4, 6, 10, 21, & 22); Rear Defogger (also fuse 8).
24	15A	Lights: Turn/Hazard Warning (also fuse 4).
25	30A	Electro-Mechanical Convertible Top (also fuses 4, 21)
26		Not Used.
27	30A	Interior Lights (also fuses 19, 21); Central Locking; Radio/Antenna (also fuses 12, 21, 28); On-Board Computer (also fuses 10, 12, 21).
28	30A	Cigar Lighter; Radio/Antenna (also fuses 12, 21, 27).
29	7.5A	Fog Lights (also fuse 30), Fog Light Indicator.
30	7.5A	Fog Lights (also fuse 29).
POWER WINDOW CIRCUIT BREAKER		25A
		Power Windows

## POWER DISTRIBUTION BOX



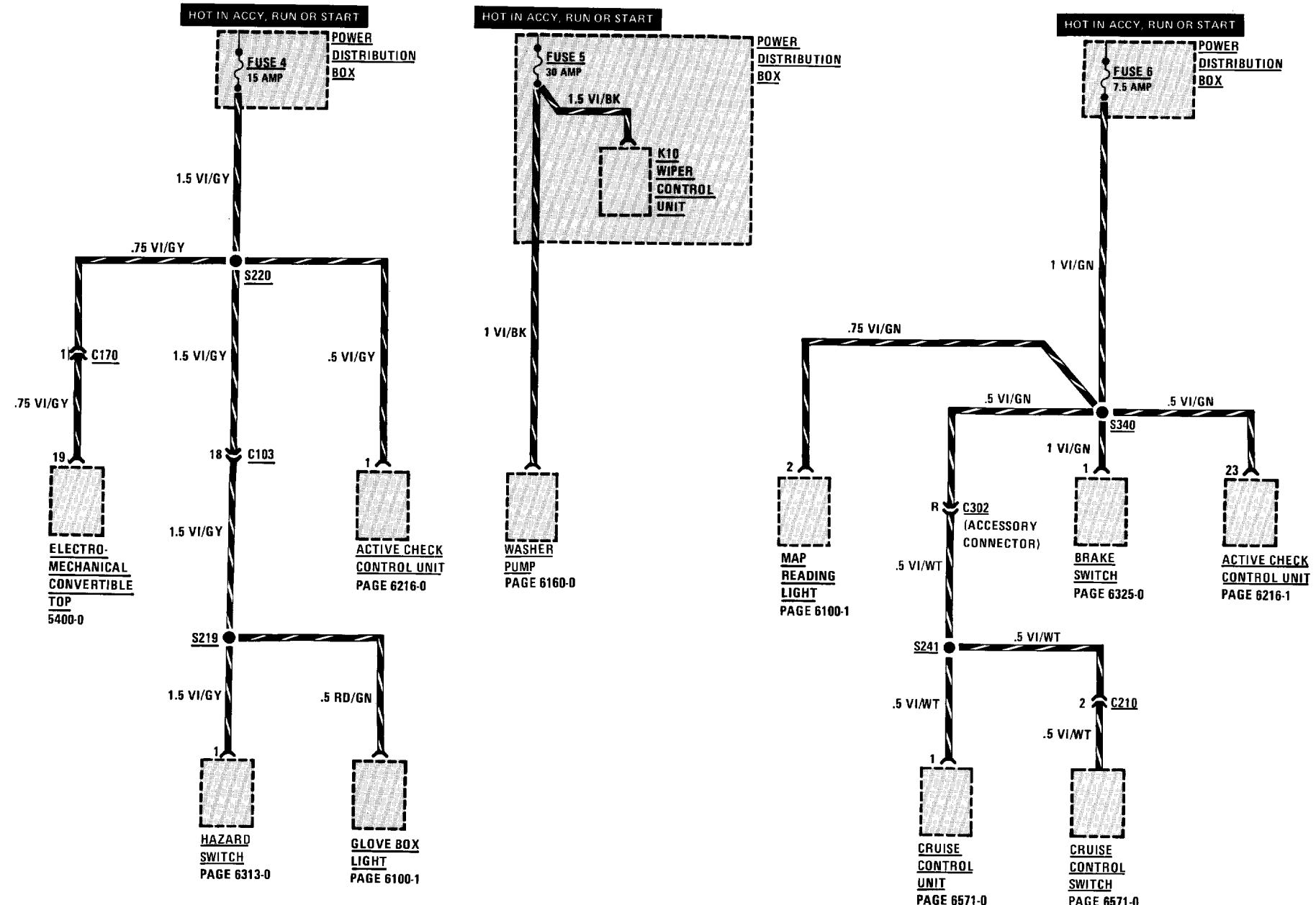
# 0670-4 POWER DISTRIBUTION





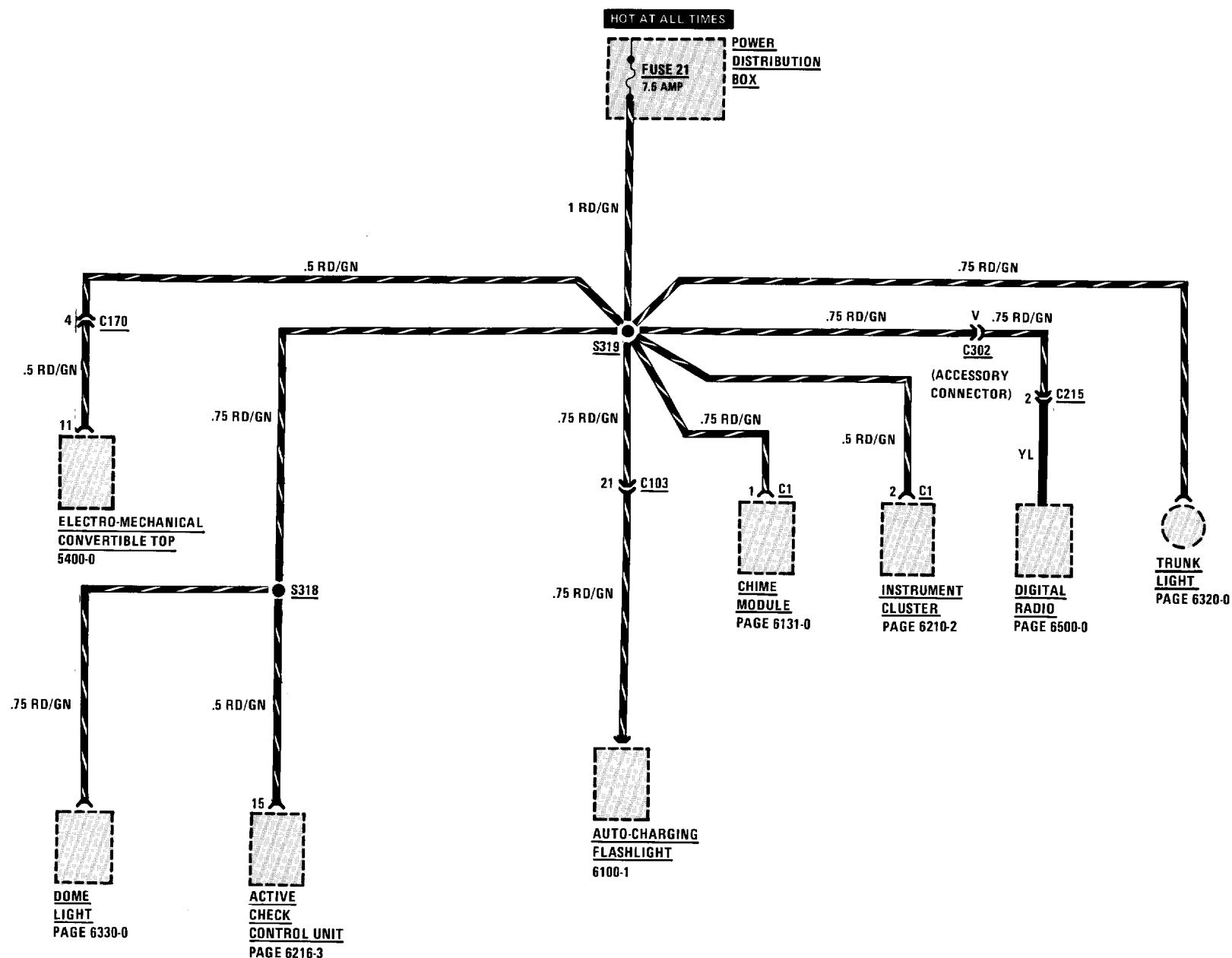
# 0670-6 POWER DISTRIBUTION

## FUSE DETAILS: FUSES 4, 5, AND 6

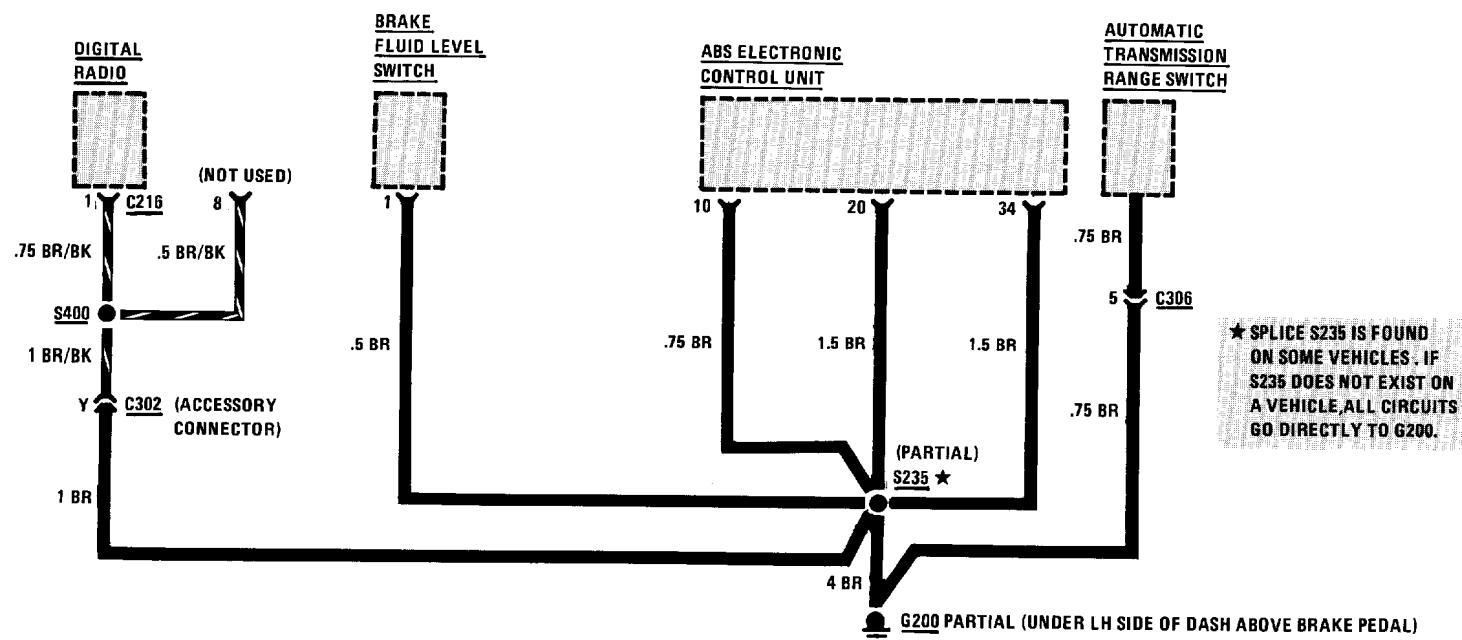
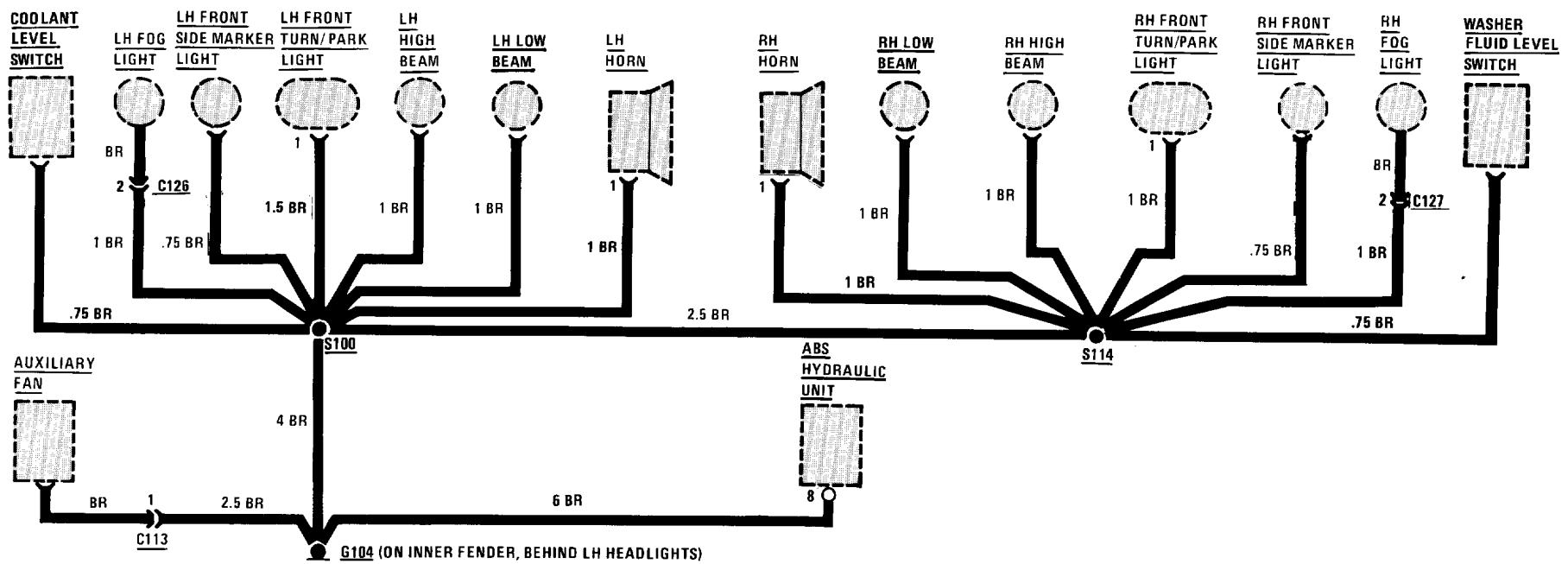


# 0670-10 POWER DISTRIBUTION

## FUSE DETAILS: FUSE 21

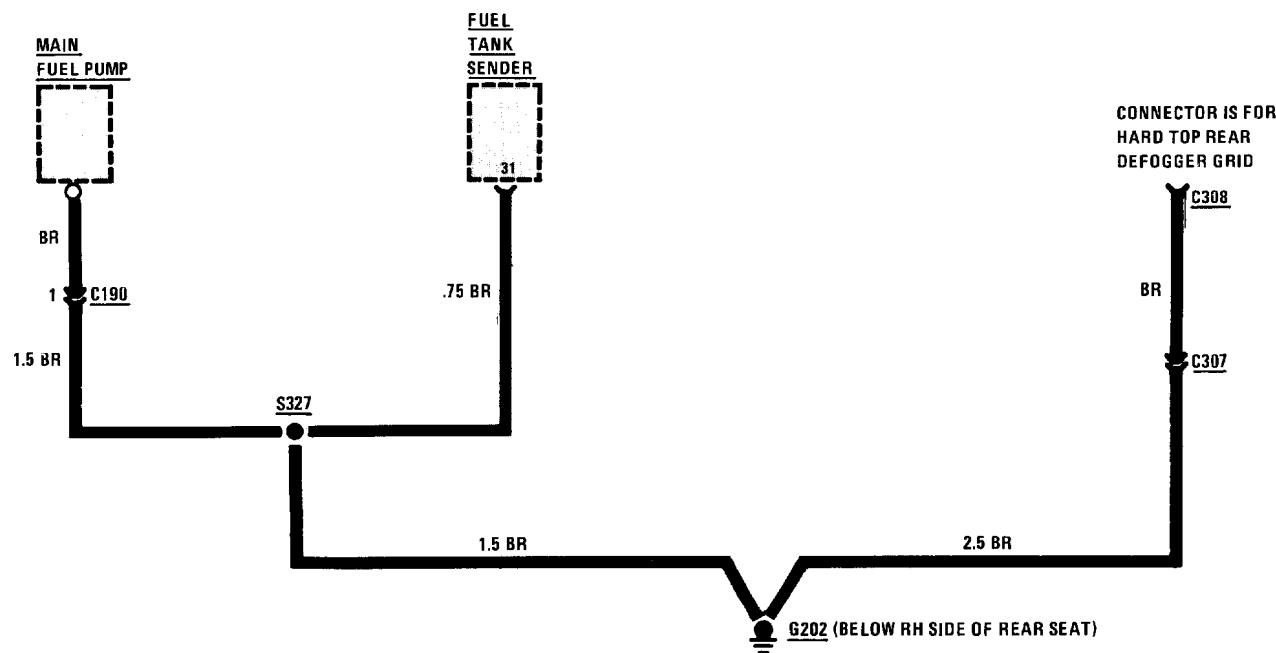
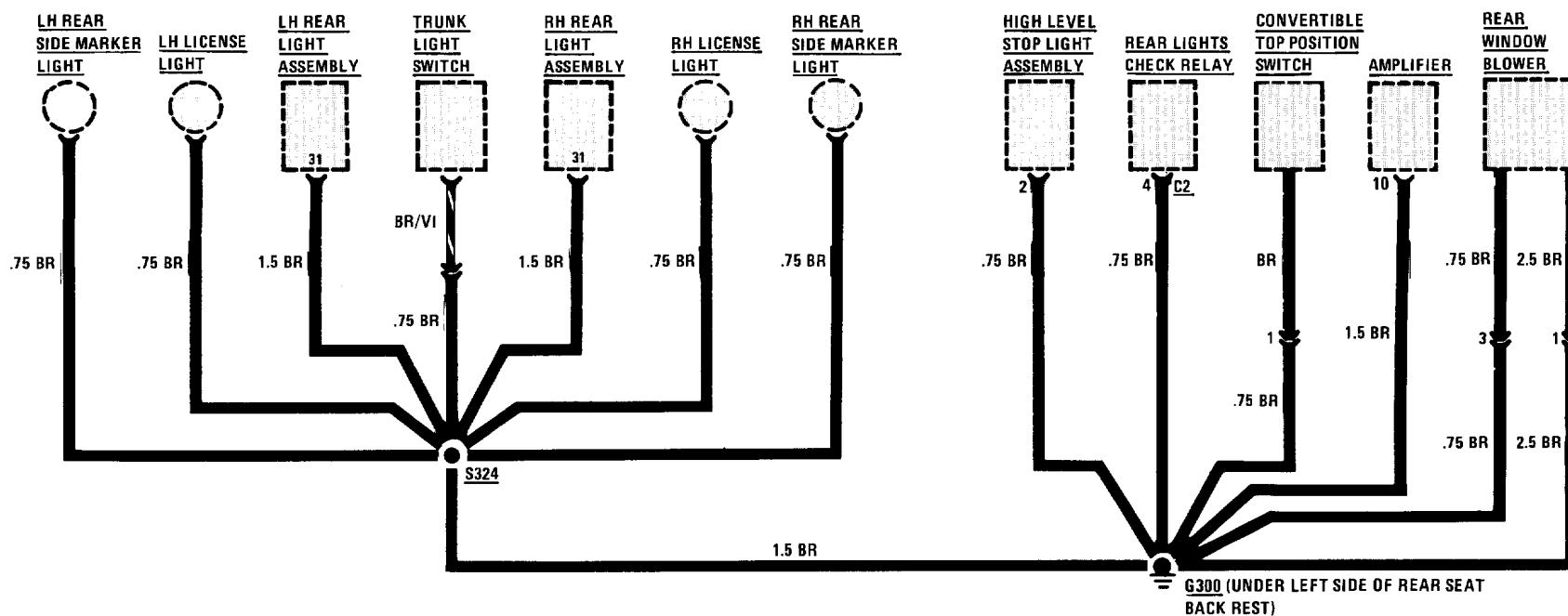


## GROUND DISTRIBUTION: G104 AND G200 (PARTIAL)

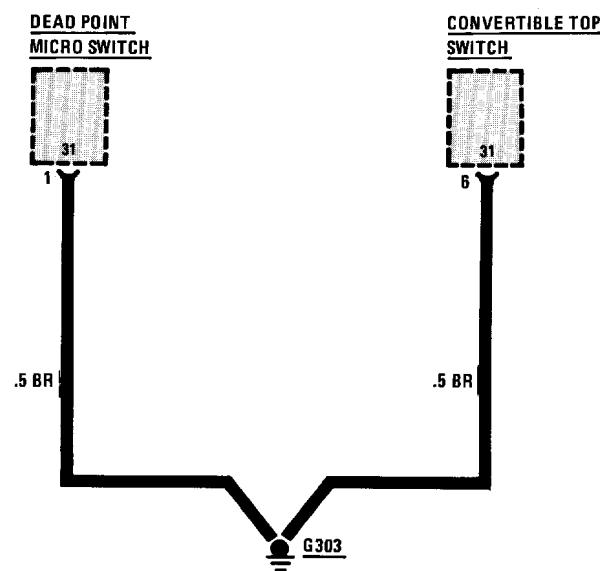
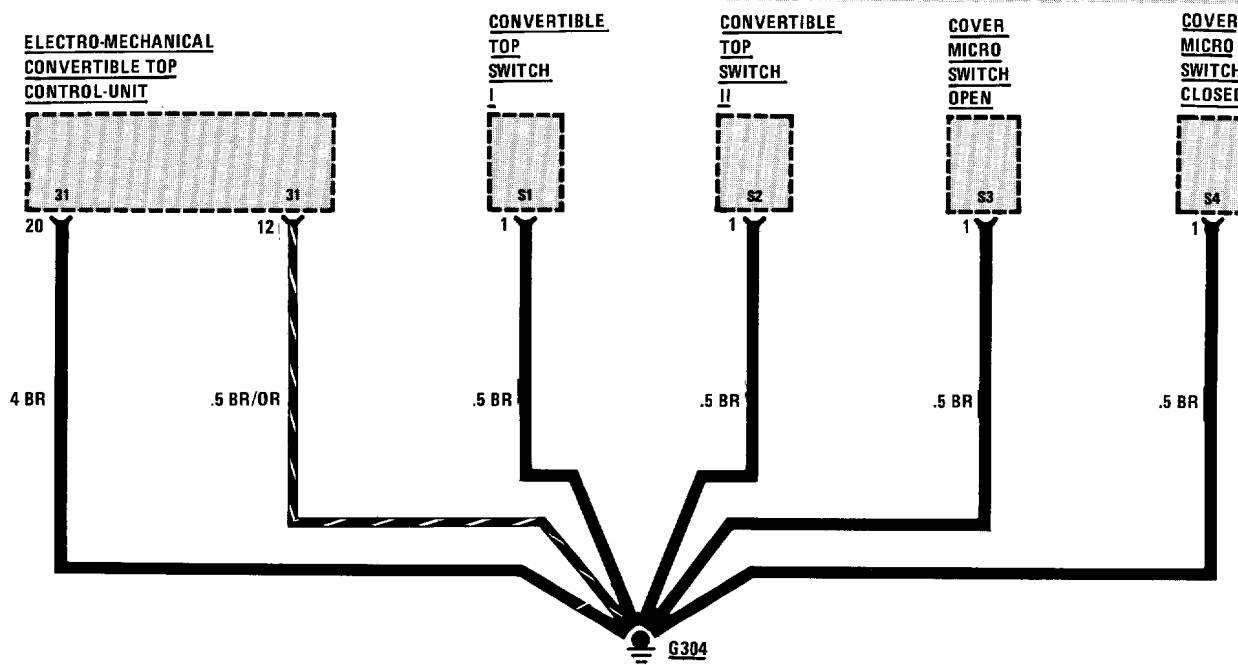


# 0670-16 POWER DISTRIBUTION

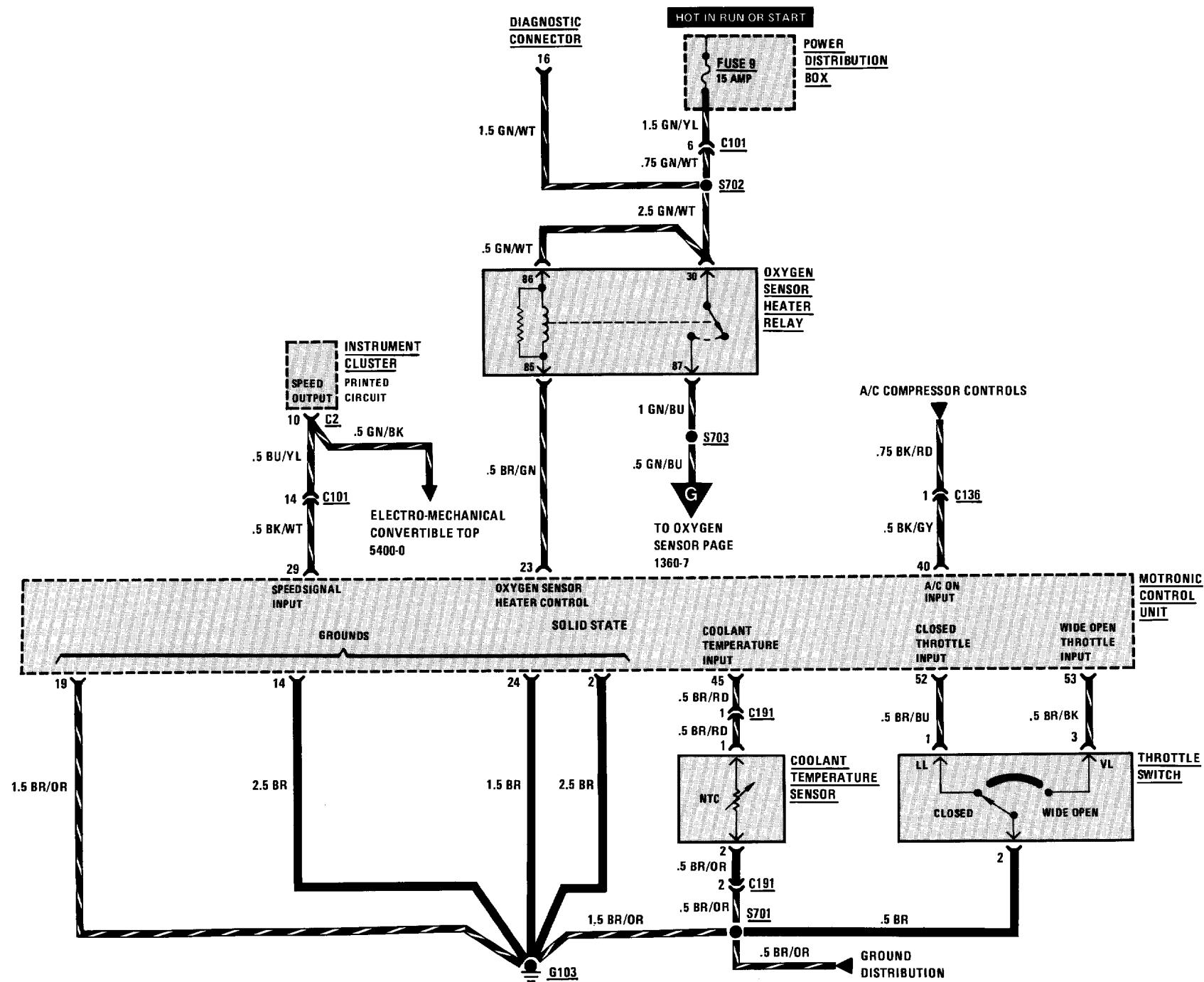
## GROUND DISTRIBUTION: G202 AND G300



## GROUND DISTRIBUTION: G303 AND G304

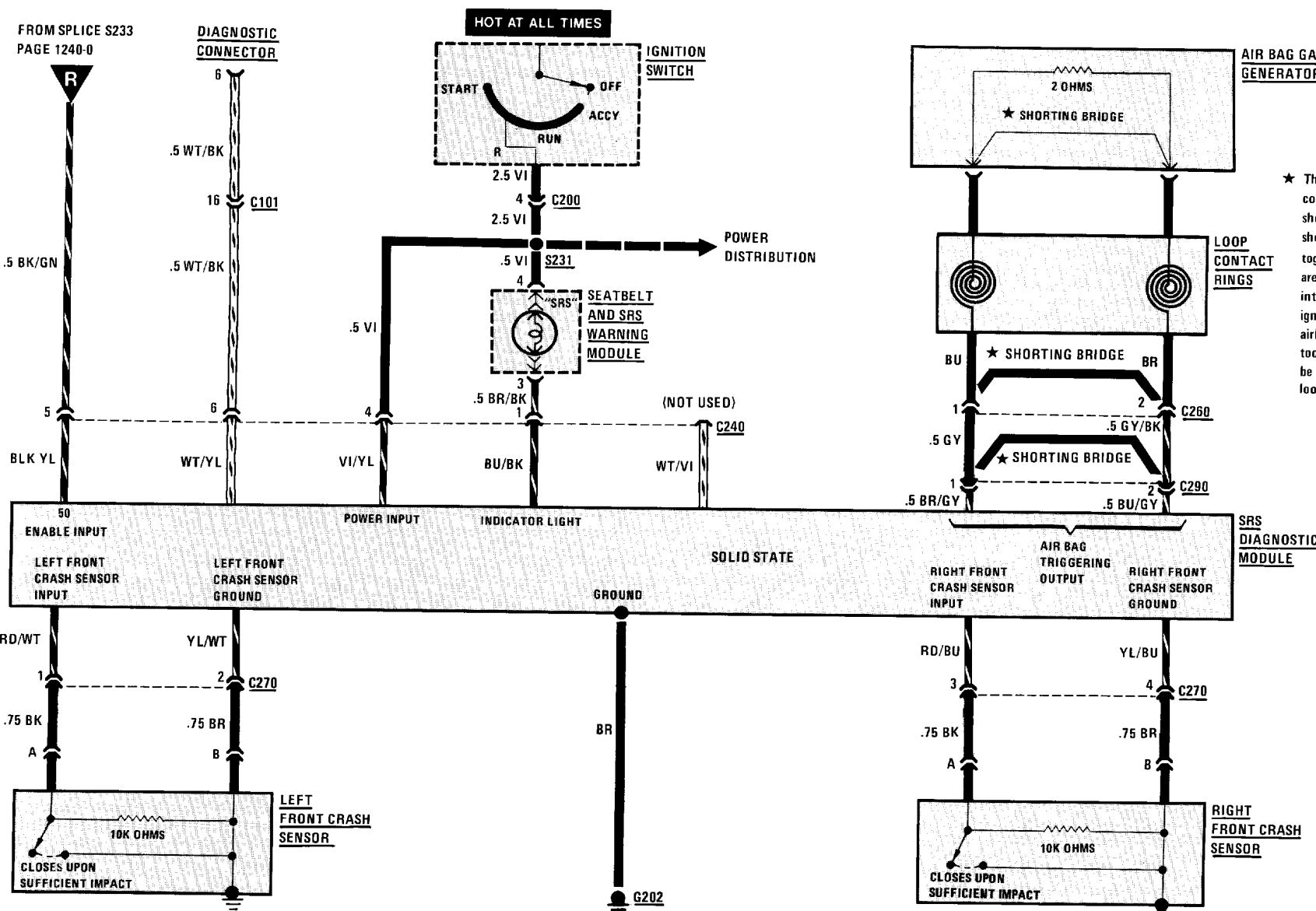


# 1360-8 INJECTION ELECTRONICS

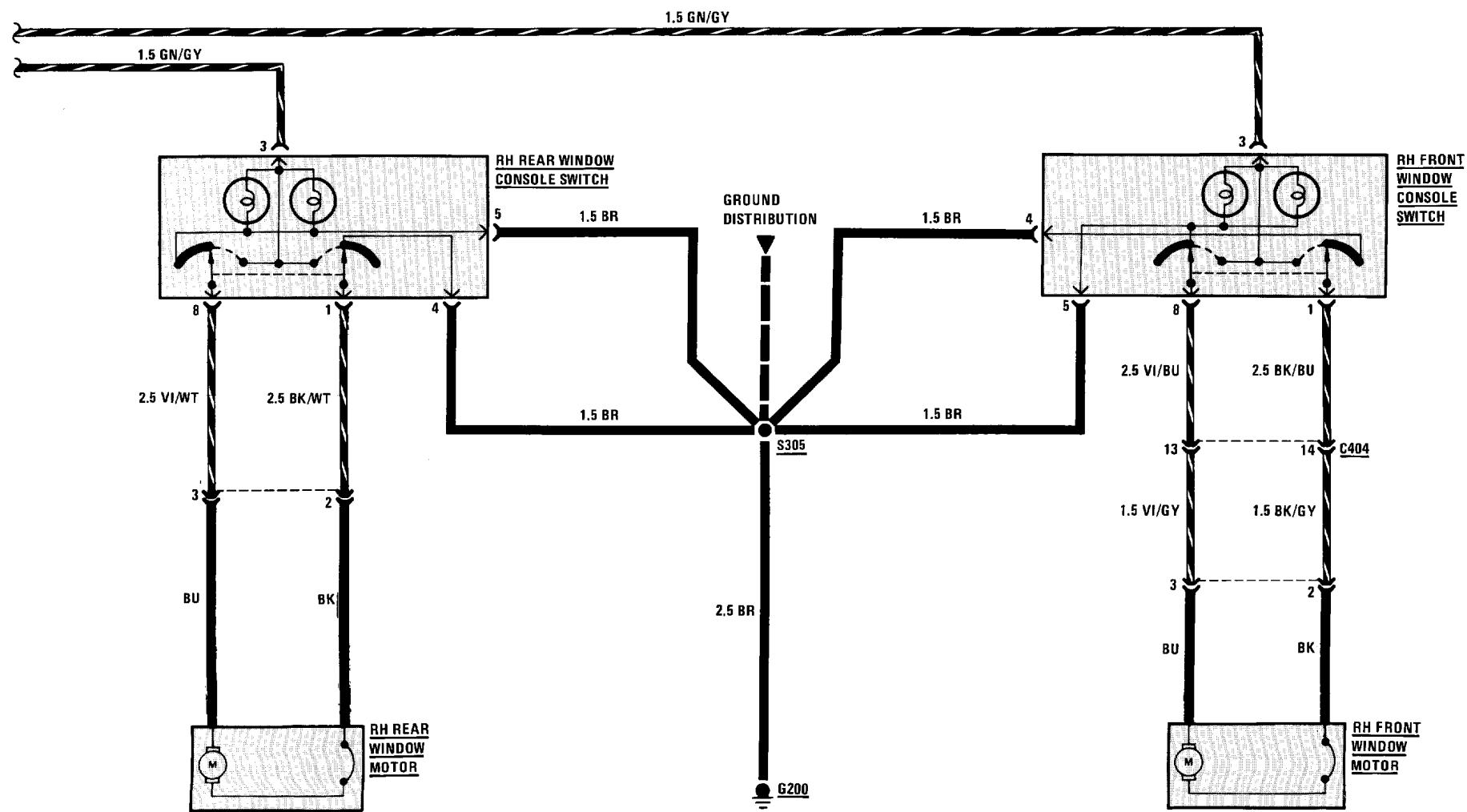


## **3234-0 SUPPLEMENTAL RESTRAINT SYSTEM (SRS)**

FROM SPLICE S233  
PAGE 1240-0

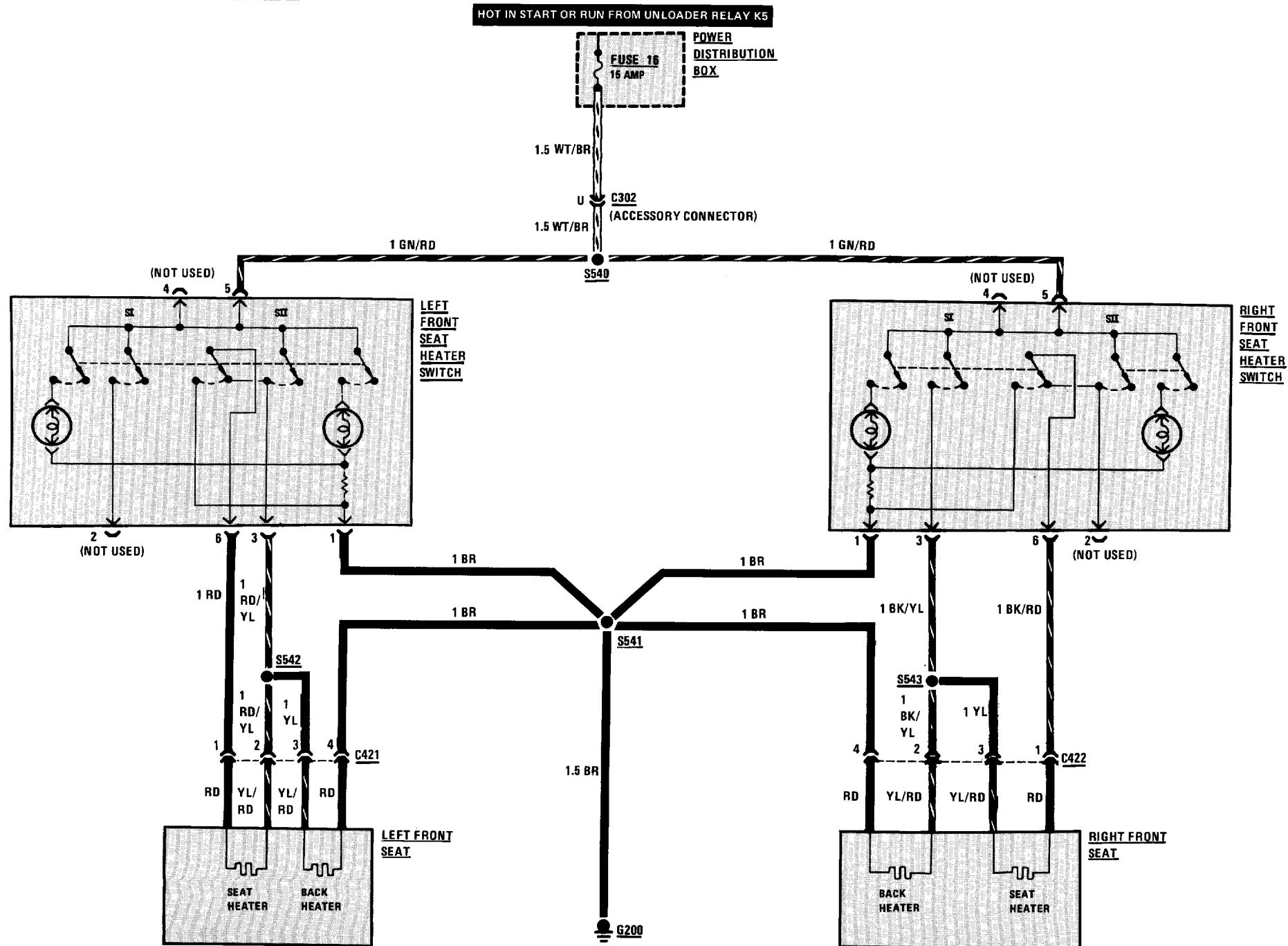


★ The driver's airbag generator connectors are fitted with shorting bridges. The bridges short the generator leads together when the connectors are demated to prevent unintentional triggering of the igniter, when working on the airbag system. Only special tool 62 1260 (test lead) may be used to check the wire loop and igniter resistance.

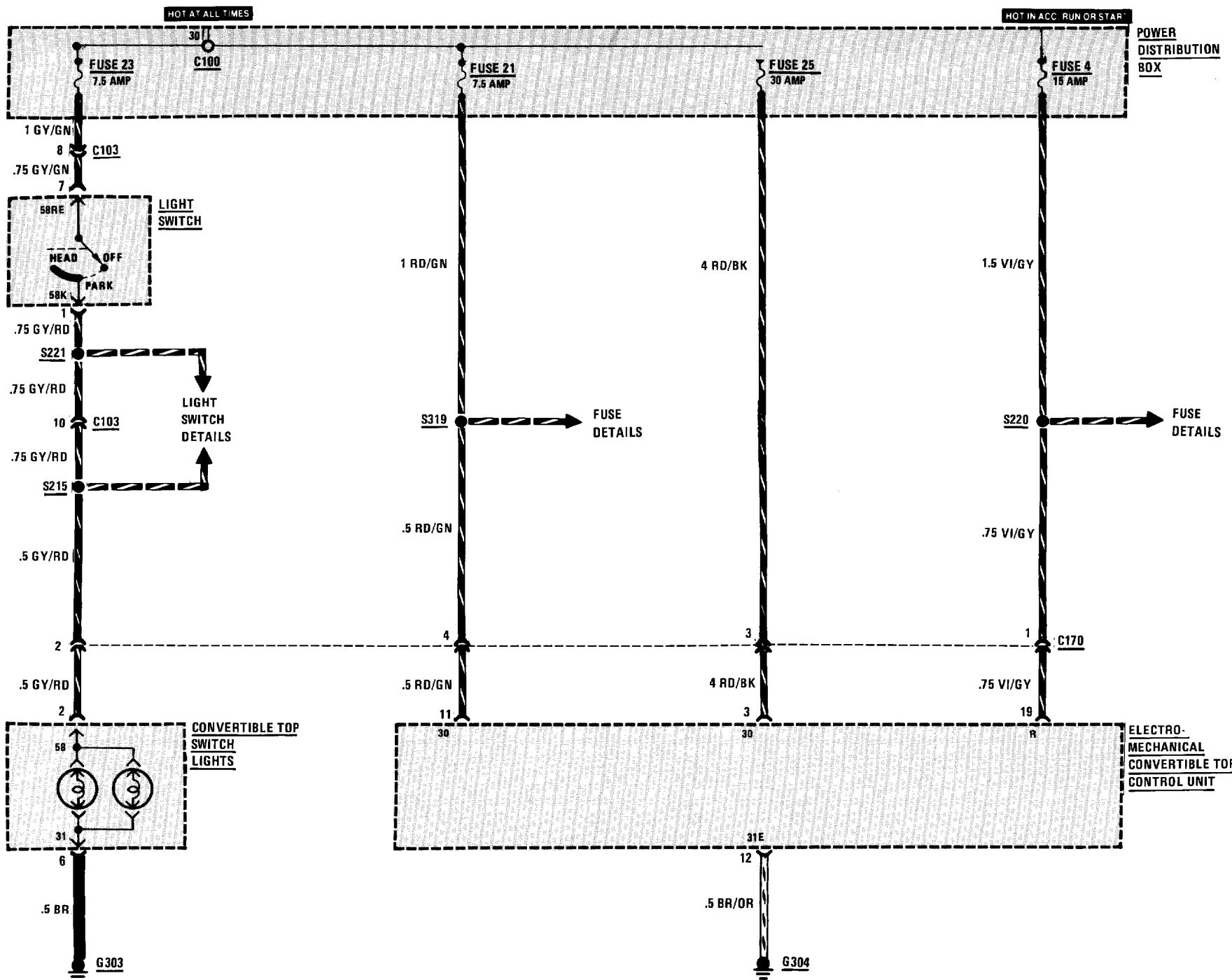


# 5200-0 SEATS

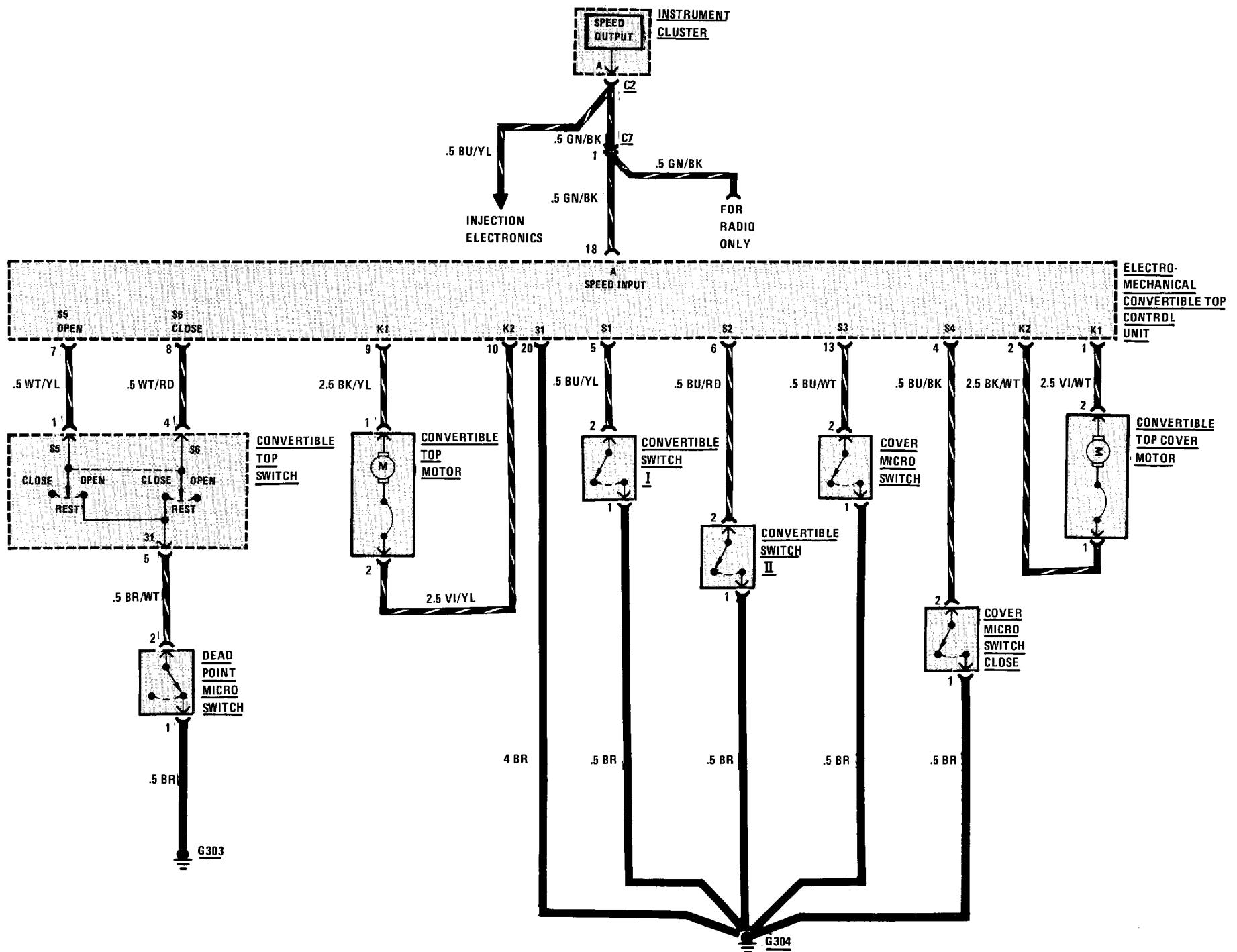
## HEATED SEATS



# 5400-0 ELECTRO-MECHANICAL CONVERTIBLE TOP

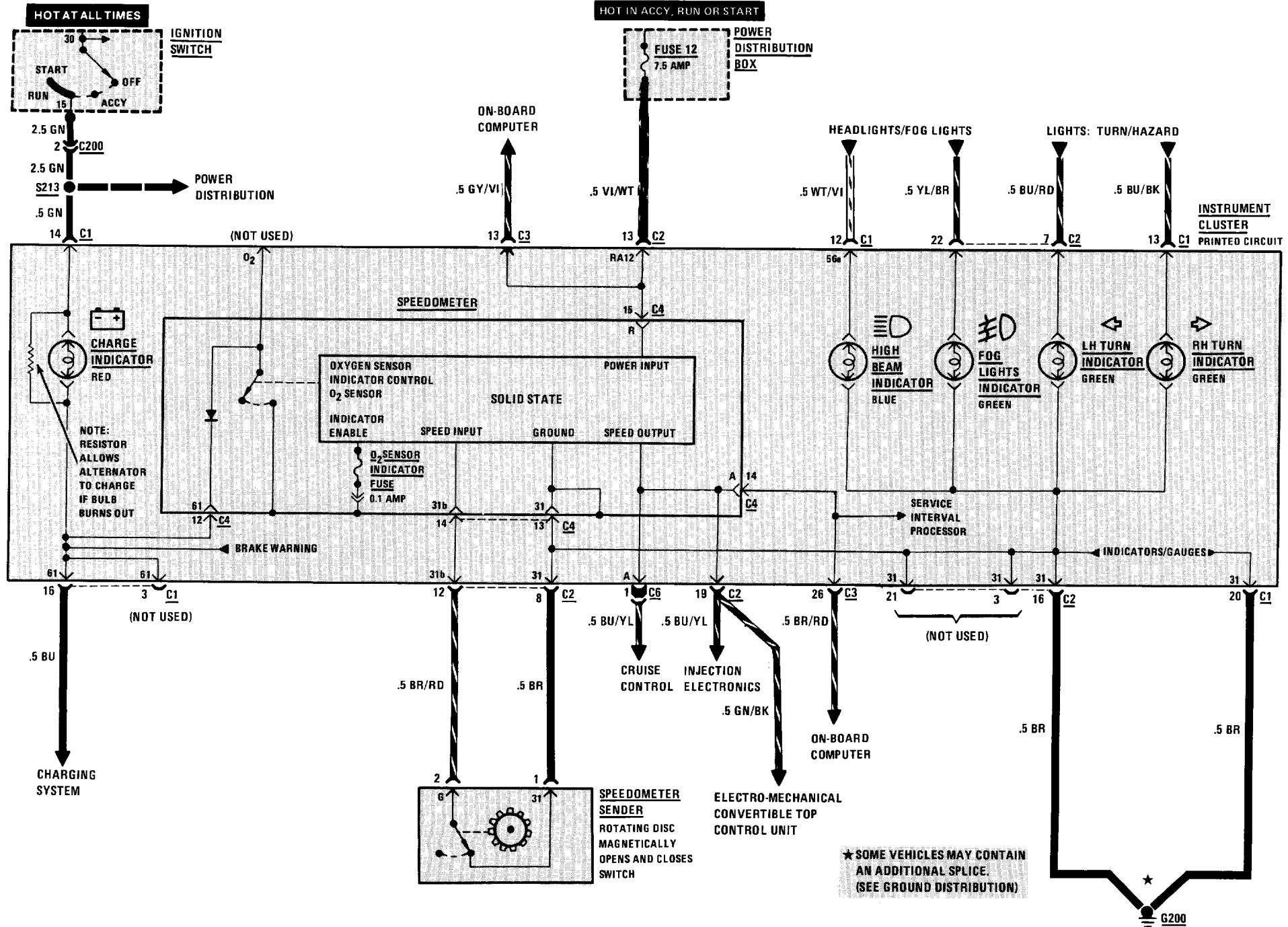


# ELECTRO-MECHANICAL CONVERTIBLE TOP 5400-1



## **6210-0 INSTRUMENT CLUSTER**

## **SPEEDOMETER/INDICATORS**



# 6216-0 ACTIVE CHECK CONTROL

## ACTIVE CHECK CONTROL

1. When the Ignition Switch is initially placed in RUN, the Active Check Control Arm Indicator flashes, and the Active Check Control Unit Brake Light LED and panel light illuminate for test purposes. Depressing the brake pedal clears the display.
2. When the Ignition Switch is placed in "Run," fault monitoring begins. To monitor the low beams, rear lights, or license lights, those circuits must be on. The brake lights are monitored only while the brake pedal is depressed. An exception to this is when all Brake Light Circuits are open a fault will be indicated with the Ignition Switch in RUN.
3. When a fault occurs, the alarm indicator flashes, the appropriate LED fault indicator lights, and the panel light goes on for five seconds. Depressing the check button will clear the alarm indicator, but the LED fault indicator remains on.
4. To test the unit, depress the test button. The LED fault indicators and the panel lights should go on.

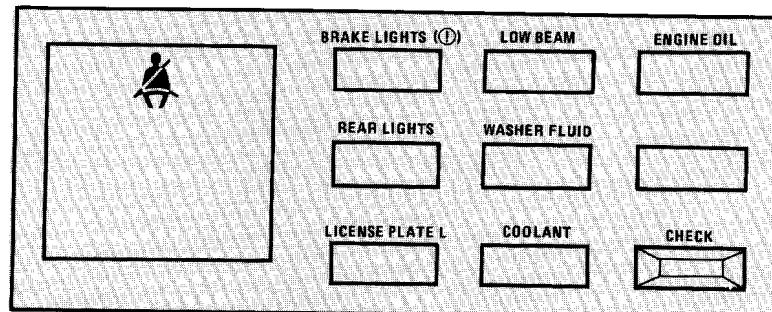
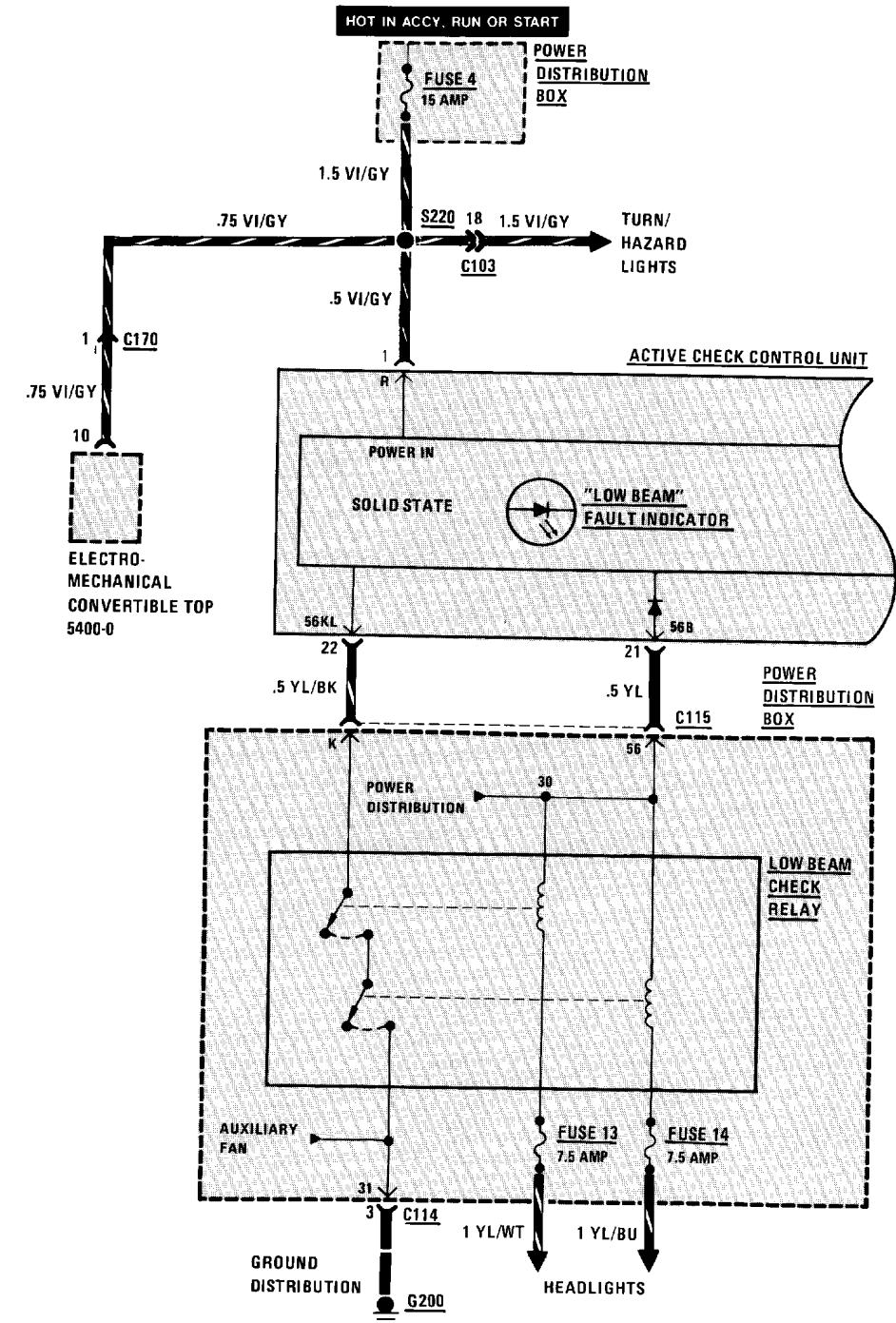
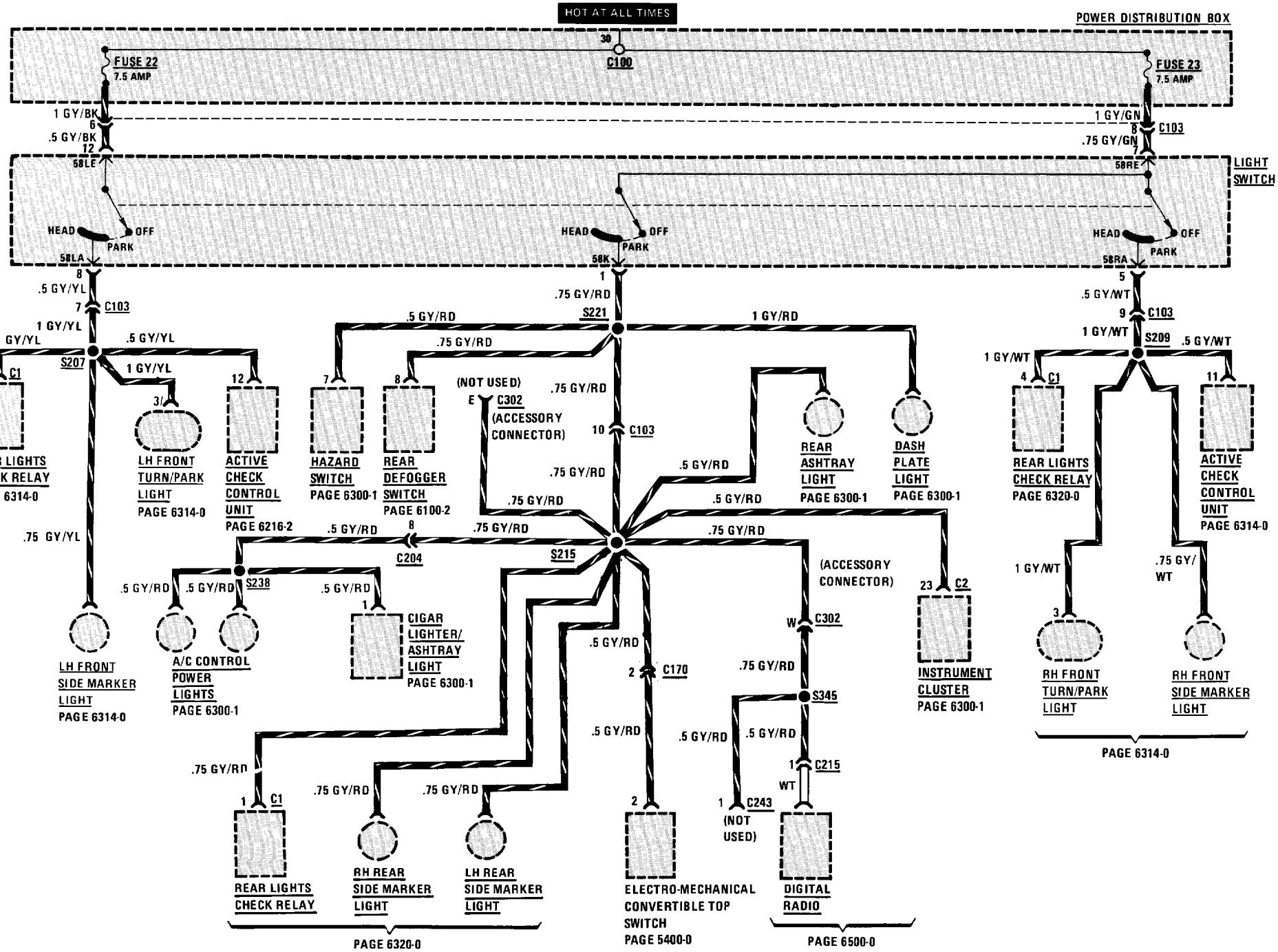
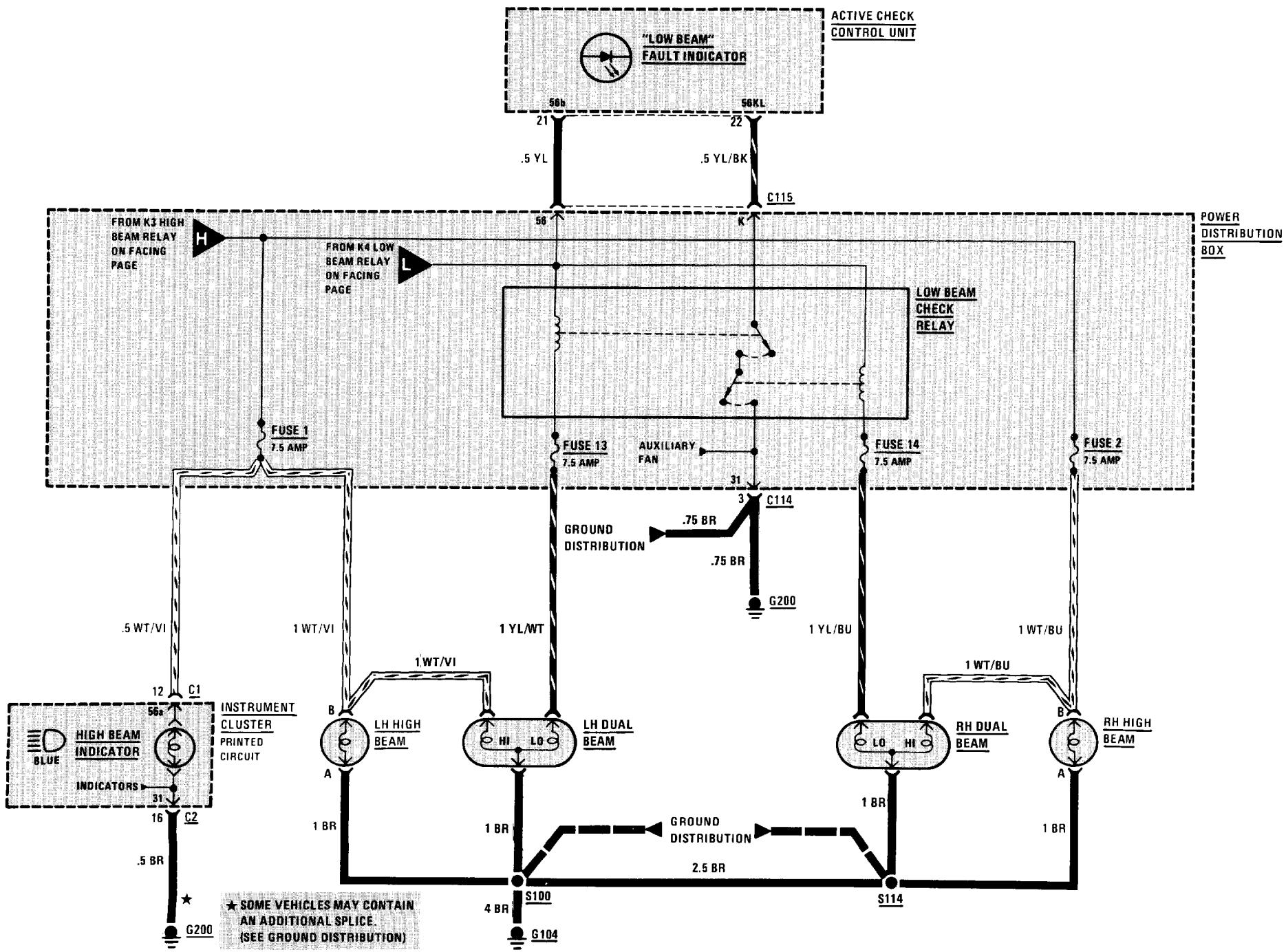


Figure 1 - Active Check Control Unit Above Rear View Mirror

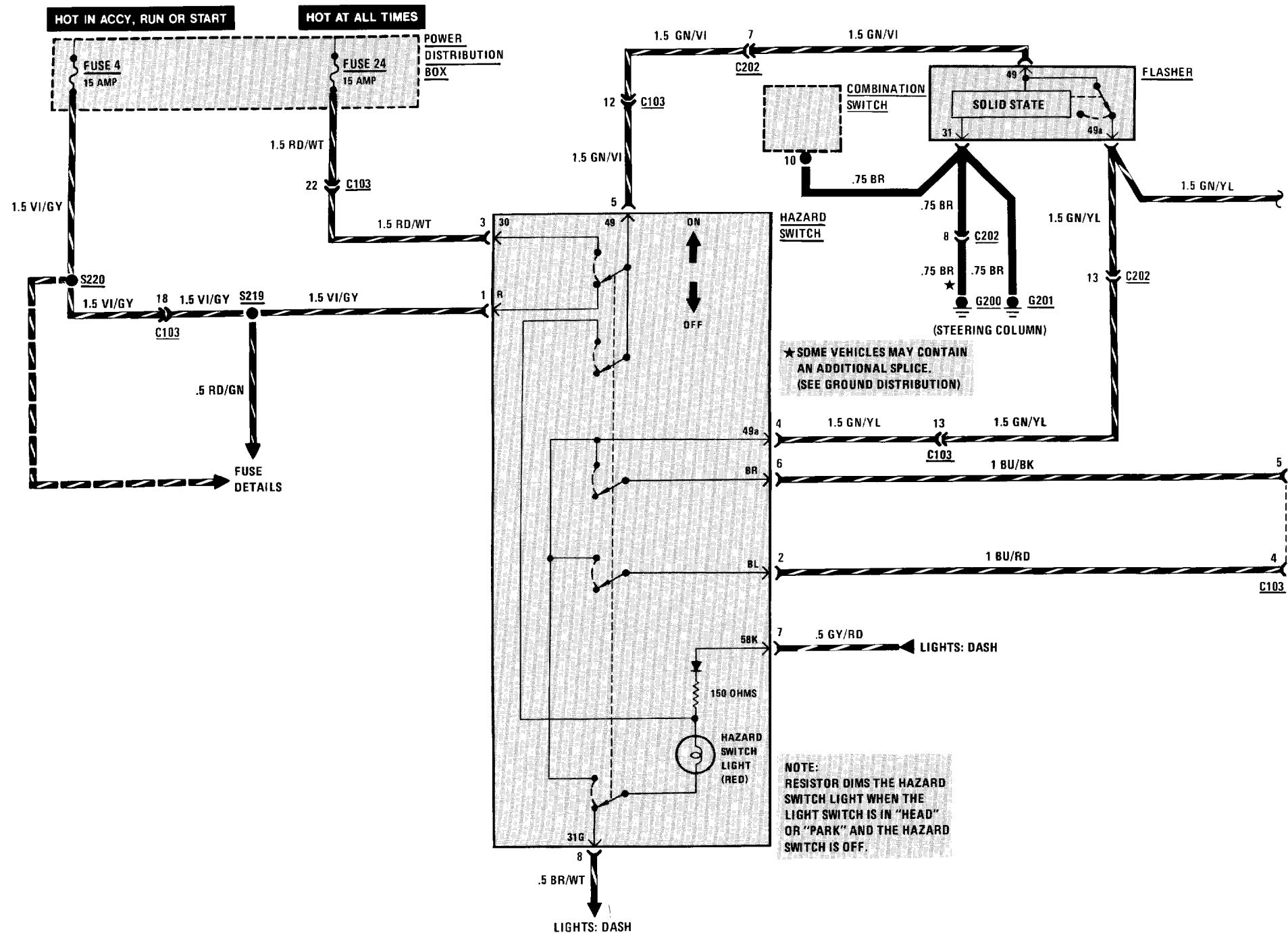


## **6300-0 LIGHT SWITCH DETAILS**

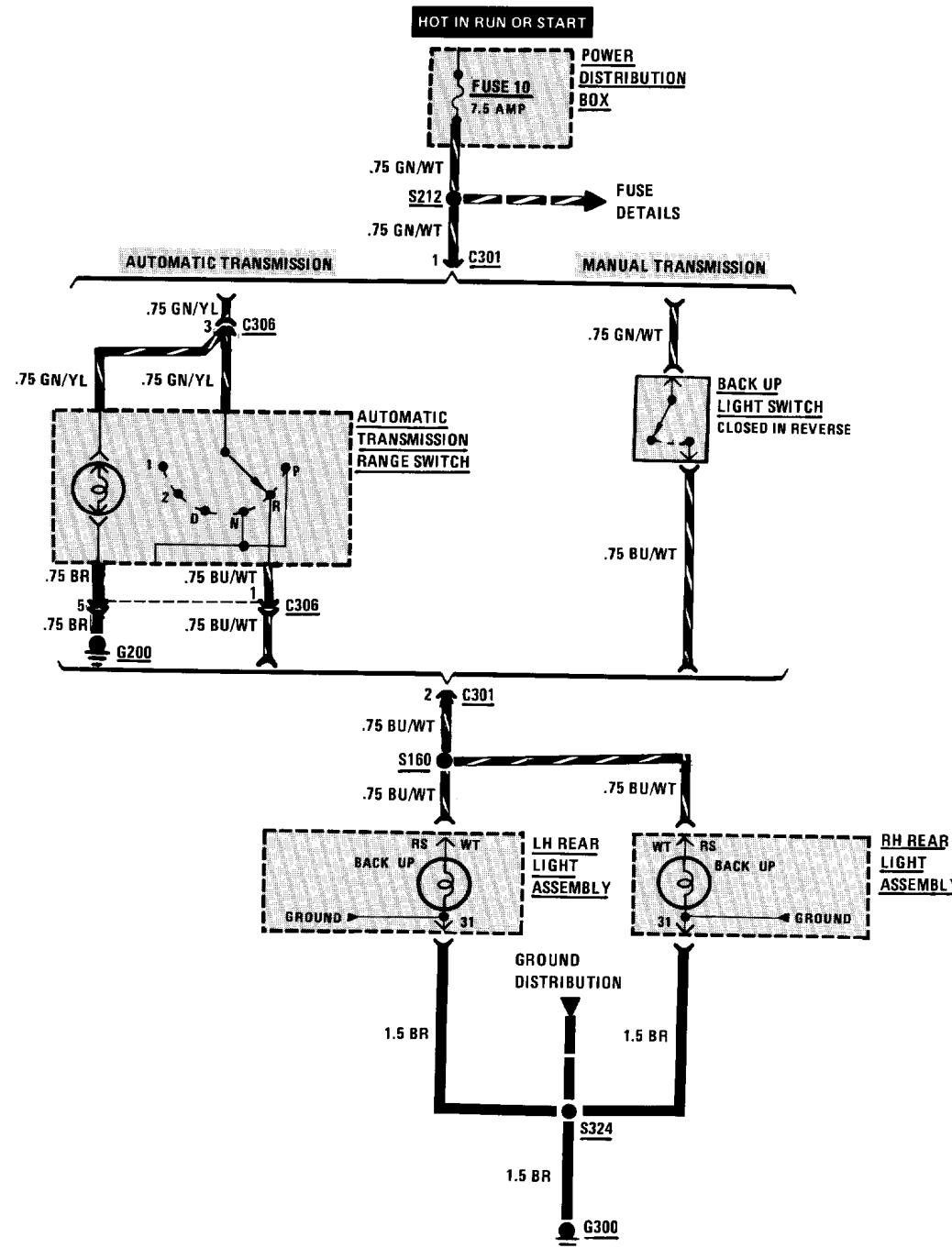




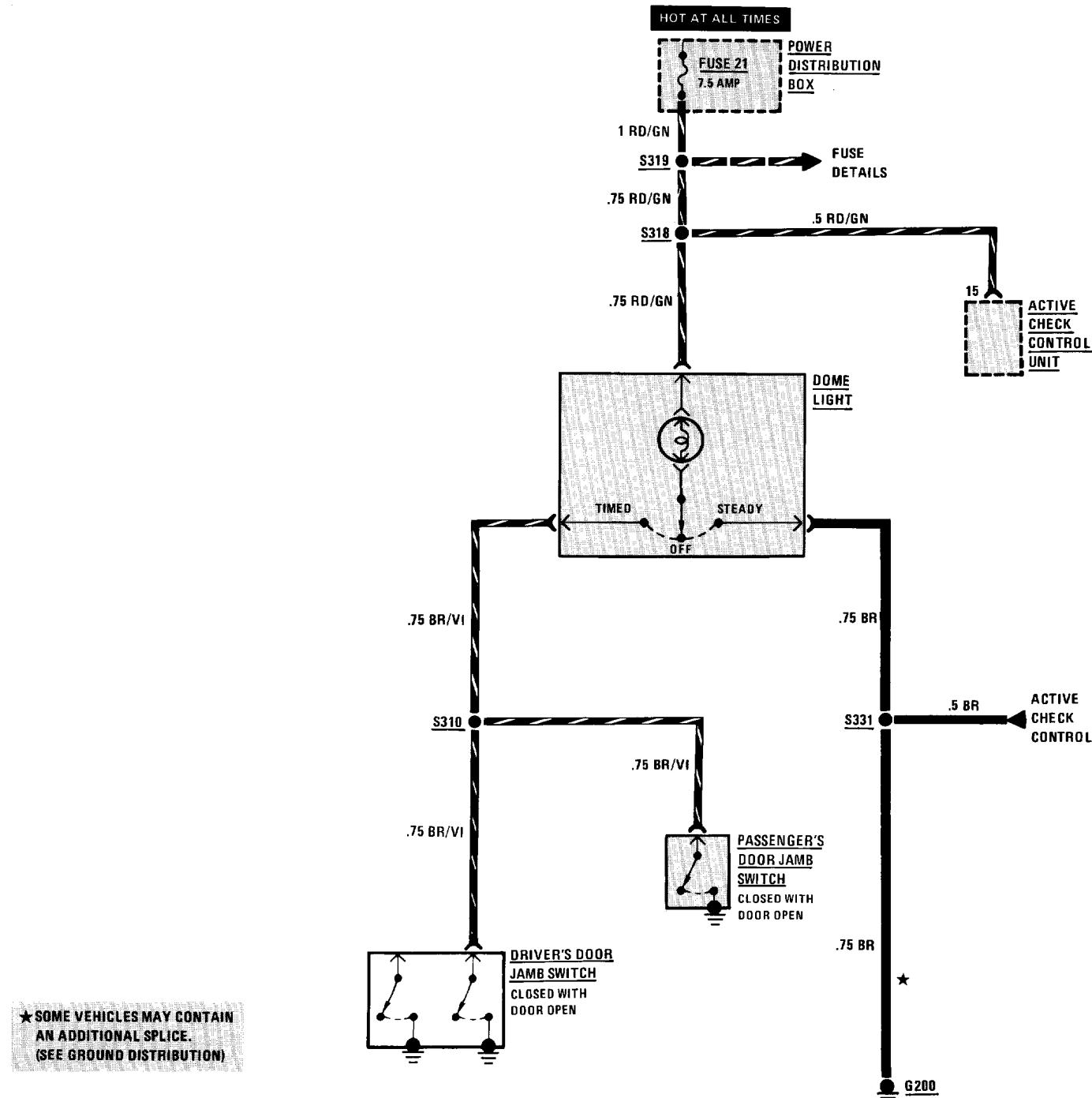
# 6313-0 TURN/HAZARD LIGHTS



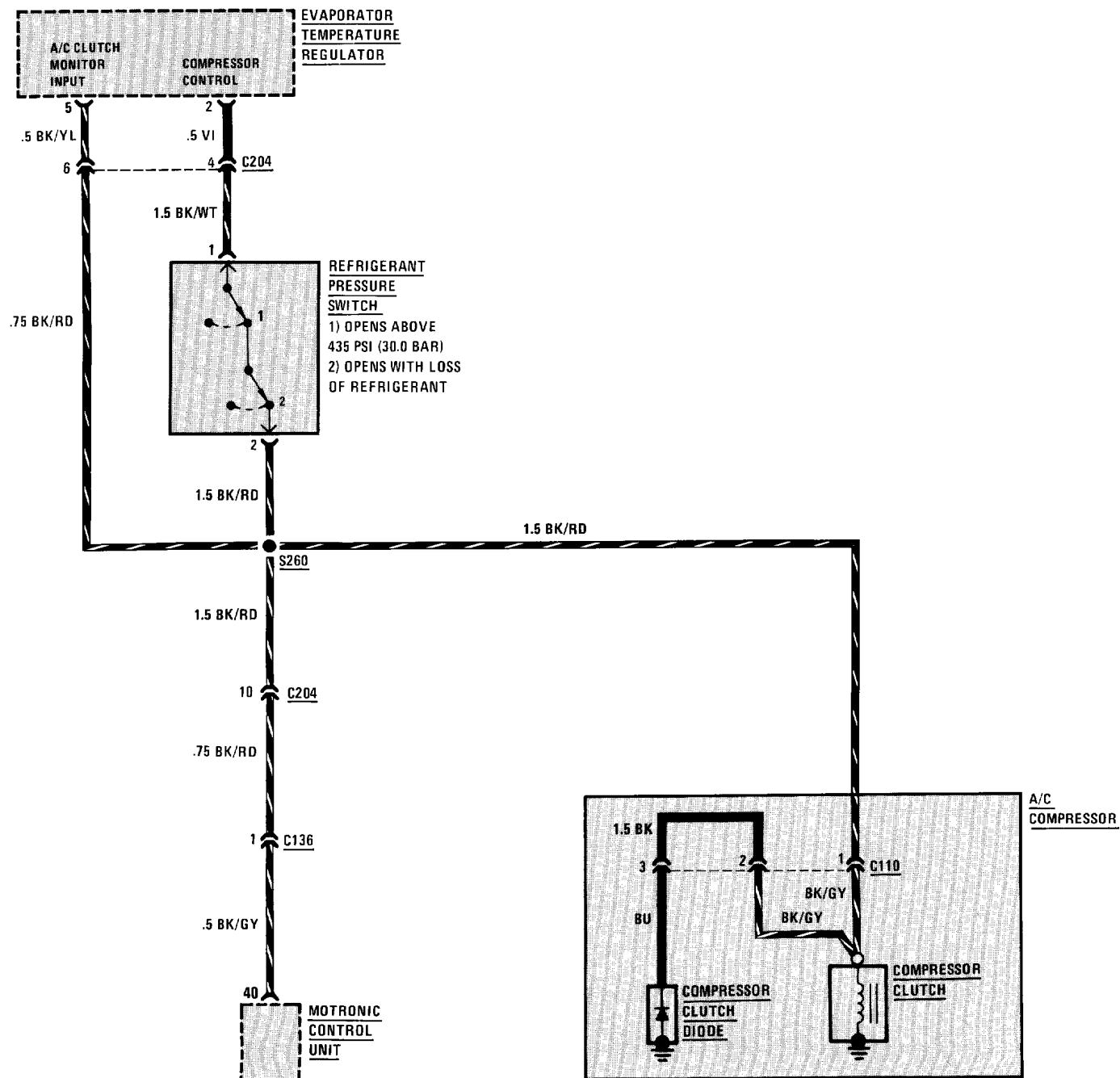
## 6322-0 BACK UP LIGHTS



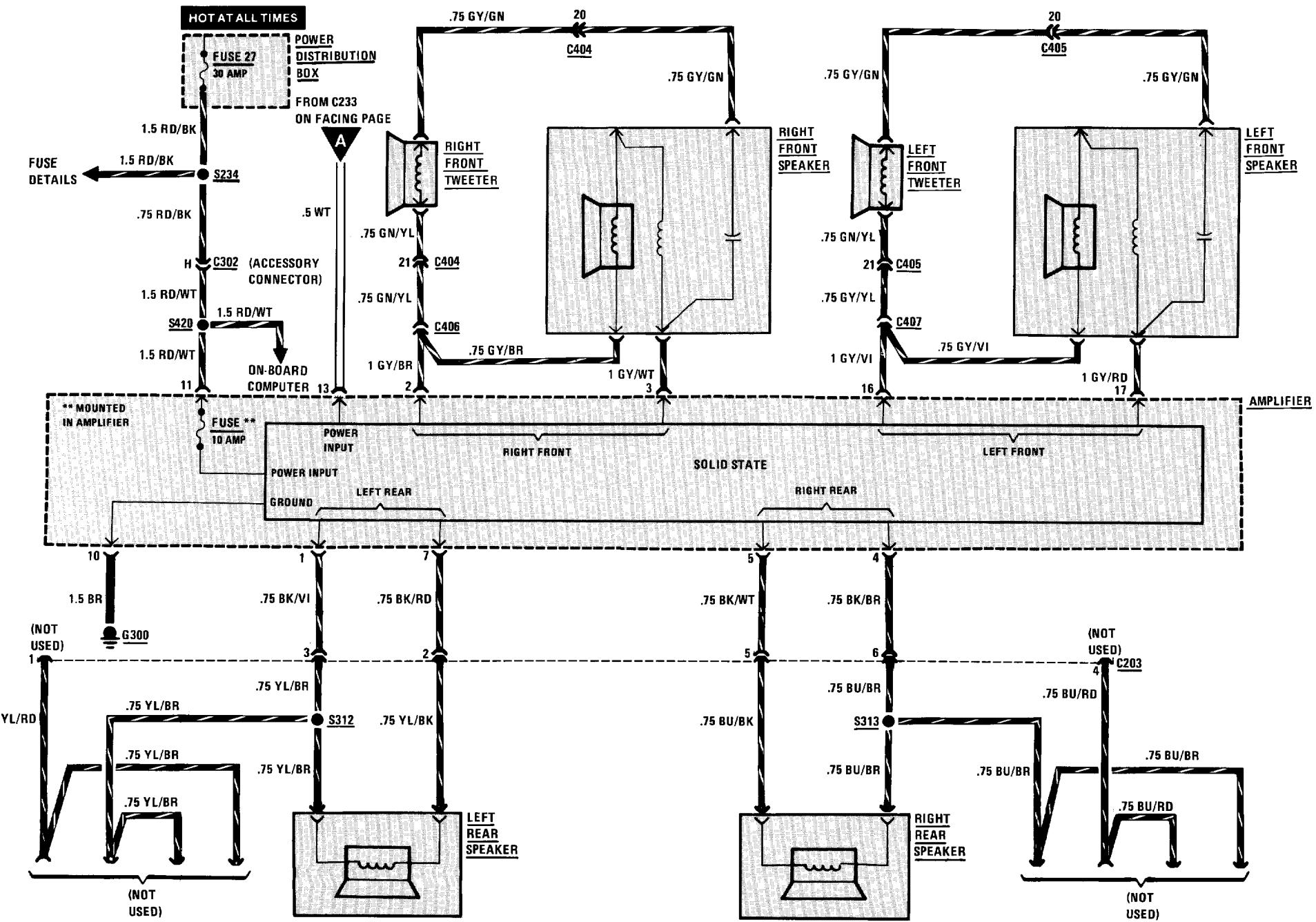
# 6330-0 INTERIOR LIGHTS



## HEATING AND AIR CONDITIONING (COMPRESSOR CONTROLS)



## **RADIO/ANTENNA 6500-1**



## **8000-0 SPLICE LOCATION VIEWS**

---

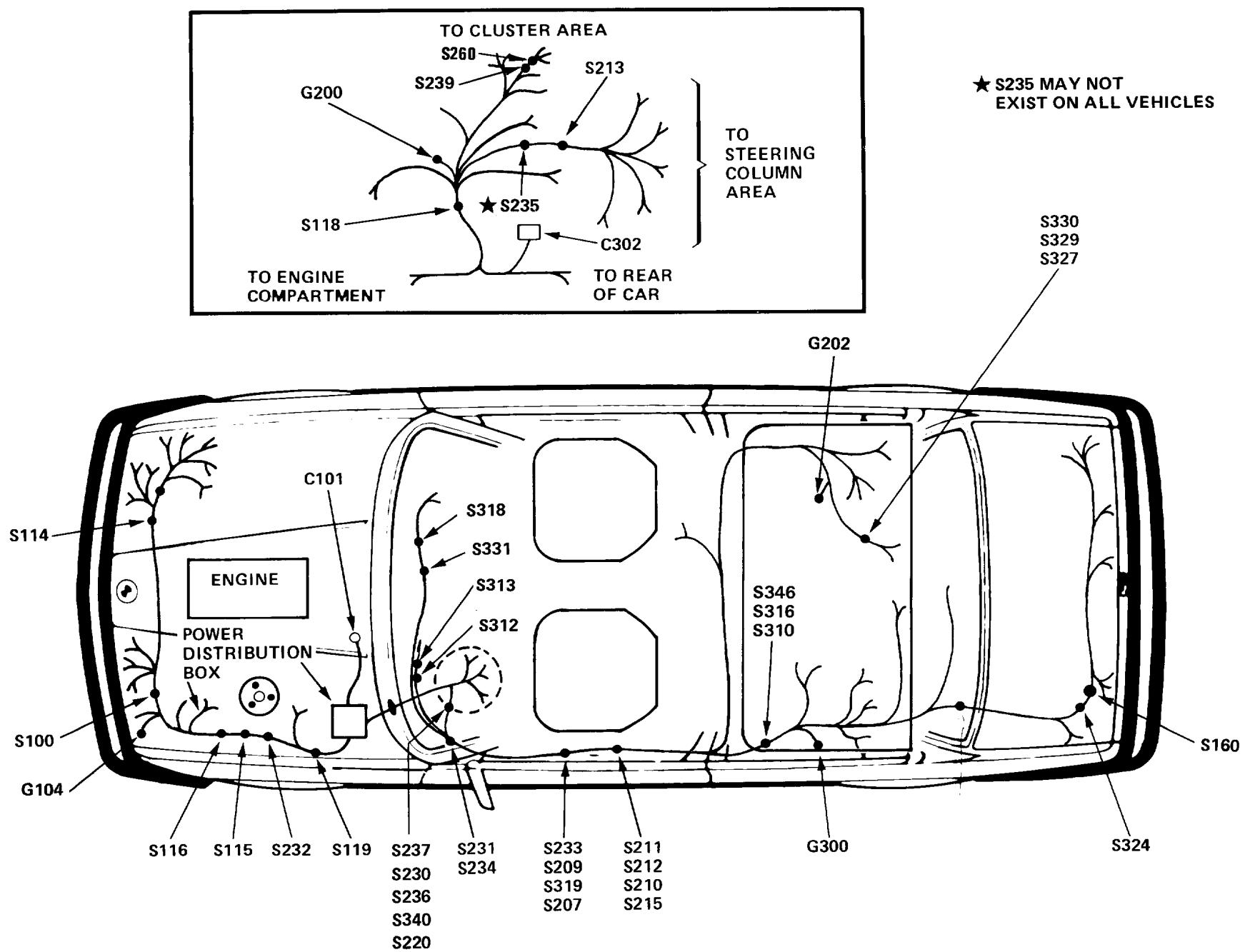
### **SPLICE LOCATION INDEX**

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.

<b>SPLICE</b>	<b>HARNESS</b>	<b>PAGE NUMBER</b>	<b>SPLICE</b>	<b>HARNESS</b>	<b>PAGE NUMBER</b>
S100	MAIN	8000-2	S229	AIR CONDITIONING	NOT SHOWN
S101	ENGINE	8000-3	S230	MAIN	8000-2
S104	ENGINE	8000-3	S231	MAIN	8000-2
S105	ENGINE	8000-3	S232	MAIN	8000-2
S106	ENGINE	8000-3	S233	MAIN	8000-2
S107	ENGINE	8000-3	S234	MAIN	8000-2
S108	ENGINE	8000-3	S235	MAIN	8000-2
S109	ENGINE	8000-5	S236	MAIN	8000-2
S111	ENGINE	8000-3	S237	MAIN	8000-2
S112	ENGINE	8000-3	S239	MAIN	8000-2
S113	ENGINE	8000-3	S240	AIR CONDITIONING	NOT SHOWN
S114	MAIN	8000-2	S250	AIR CONDITIONING	NOT SHOWN
S115	MAIN	8000-2	S251	AIR CONDITIONING	NOT SHOWN
S116	MAIN	8000-2	S252	AIR CONDITIONING	NOT SHOWN
S118	MAIN	8000-2	S260	MAIN	8000-2
S119	MAIN	8000-2	S300	DOOR	8000-4
S120	ENGINE	8000-3	S301	DOOR	8000-4
S160	REAR BACK UP LIGHTS	8000-2	S302	DOOR	8000-4
S201	ON-BOARD COMPUTER	8000-6	S303	DOOR	8000-4
S202	ON-BOARD COMPUTER	8000-6	S305	DOOR	8000-4
S207	MAIN	8000-2	S306	INSTRUMENT PANEL	8000-5
S209	MAIN	8000-2	S307	INSTRUMENT PANEL	8000-5
S210	MAIN	8000-2	S308	DOOR	8000-4
S211	MAIN	8000-2	S309	DOOR	8000-4
S212	MAIN	8000-2	S310	MAIN	8000-2
S213	MAIN	8000-2	S312	MAIN	8000-2
S215	MAIN	8000-2	S313	MAIN	8000-2
S219	INSTRUMENT PANEL	8000-5	S316	MAIN	8000-2
S220	MAIN	8000-2	S319	DOOR	8000-2
S221	INSTRUMENT PANEL	8000-5	S322	DOOR	8000-4
S228	CRUISE CONTROL	NOT SHOWN			

## 8000-2 SPLICE LOCATION VIEWS

### MAIN HARNESS SPLICE LOCATIONS



## ACCESSORY CONNECTOR

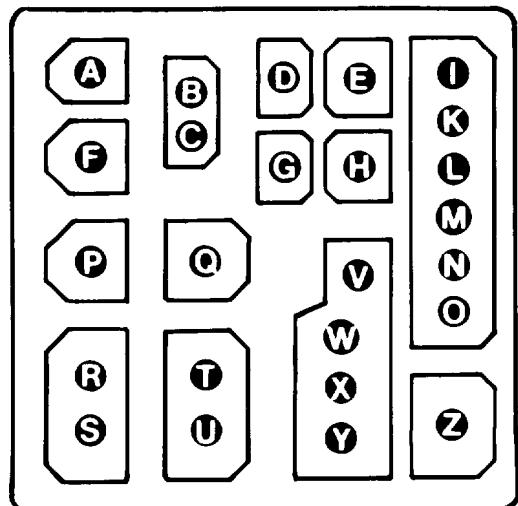
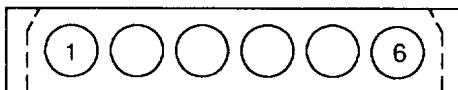


Figure 1-C302 (Accessory Connector)  
Front View—Under LH Side  
of Dash Ahead of Pedal Assembly

## CIRCUITS USING C302 (ACCESSORY CONNECTOR)

TERMINAL	CIRCUIT	TERMINAL	CIRCUIT
A	Not Used	N	Not Used
B	Not Used	O	Not Used
C	Not Used	P	Not Used
D	Central Locking	Q	Power Windows
E	Not Used	R	Cruise Control
F	Not Used	S	Cruise Control
G	Not Used	T	Not Used
H	Board Computer	U	Heated Seats
I	Not Used	V	Radio
J	Not Used	W	Radio
K	Not Used	X	Radio
L	Not Used	Y	Radio, Ground
M	Not Used	Z	Power Antenna

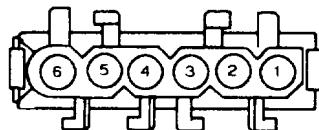
B060025



Wiring Face

C240

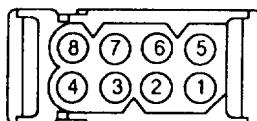
B060003.03



Mating Face

C242

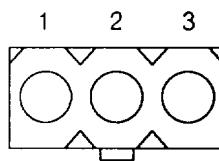
B080002.00



Mating Face

C243

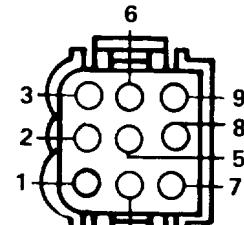
B030001.01



Wiring Face

C303

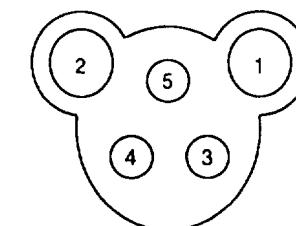
C304



Wiring Face

C306

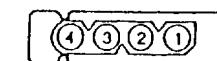
B050011.00



Wiring Face

C413

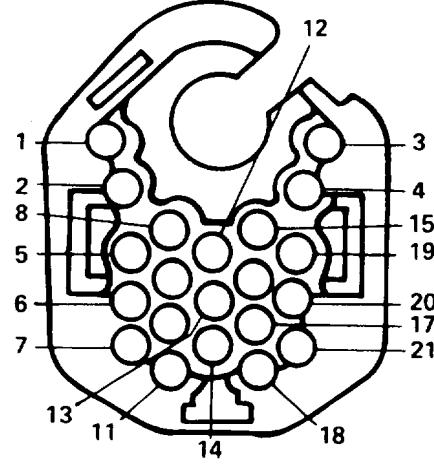
B040004.00



C421

C422

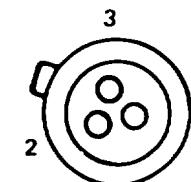
C170



Wiring Face

C404

C405



Wiring Face

C503