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**1985**

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**BMW 325e/318i**

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**Electrical**

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**Troubleshooting**

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**Manual**

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BMW of North America, Inc.  
Montvale, New Jersey

## FOREWORD

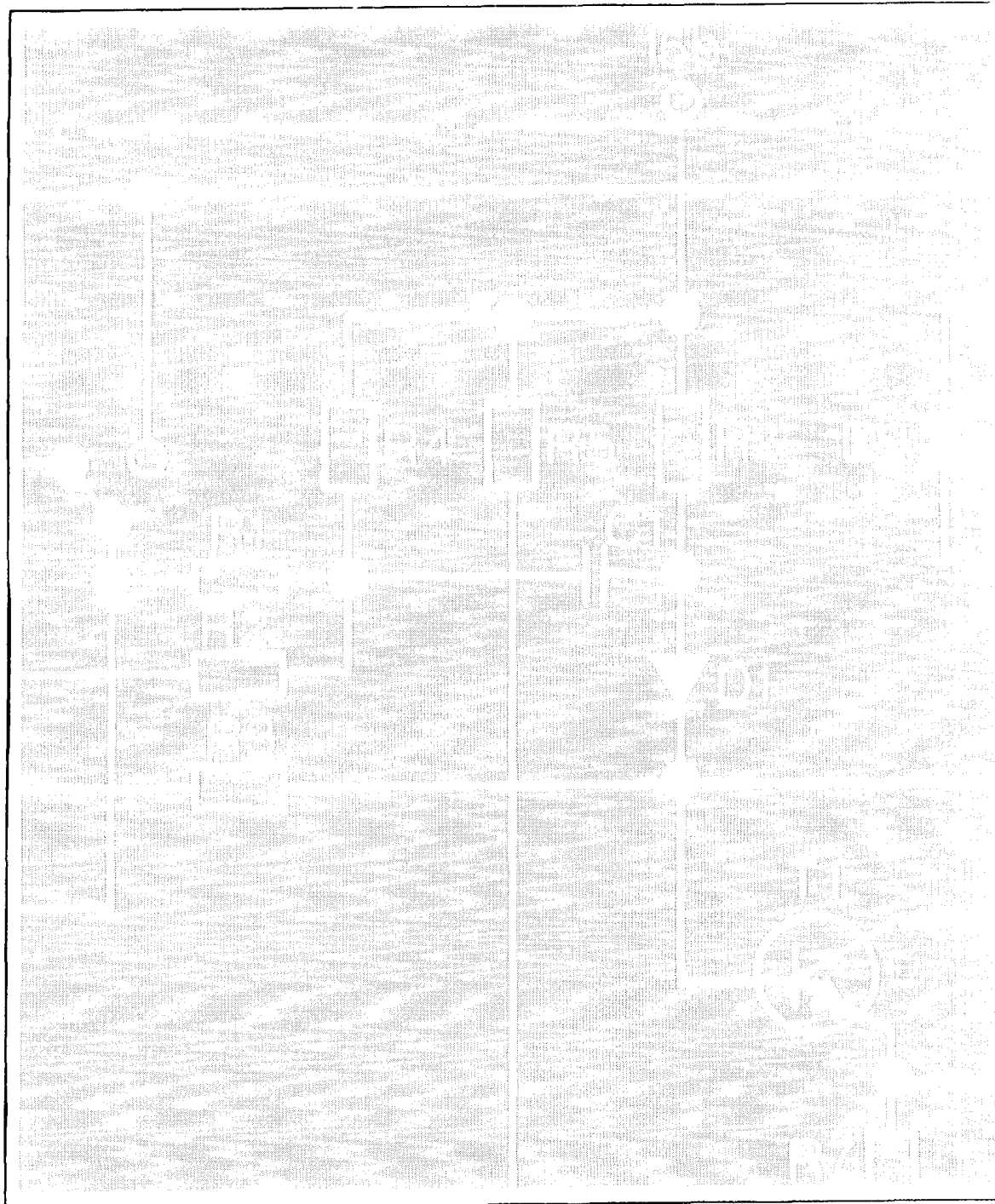
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Electrical  
Troubleshooting  
Manual**

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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.

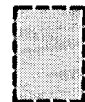
WIRE SIZE CONVERSION CHART	
METRIC (CROSSECTIONAL AREA IN MM <sup>2</sup> )	AWG (AMERICAN WIRE GAUGE)
.5	20
.75	18
1	16
1.5	14
2	14
2.5	12
4	10
6	8
8	8
16	4
20	4
25	2
32	2

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

# 4 SYMBOLS



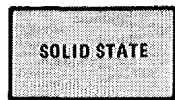
ENTIRE COMPONENT SHOWN



PART OF A COMPONENT SHOWN



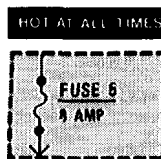
COMPONENT WITH SCREW TERMINALS



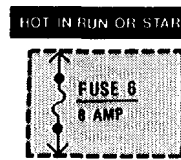
SOLID STATE (INCLUDES ONLY ELECTRONIC PARTS)



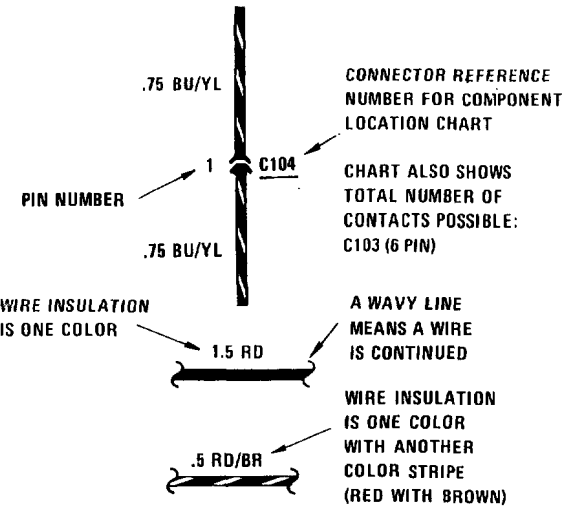
COMPONENT CASE IS DIRECTLY ATTACHED TO METAL PART OF CAR (GROUNDED)



INDICATES THAT FUSE 5 IS ALWAYS SUPPLIED WITH POWER

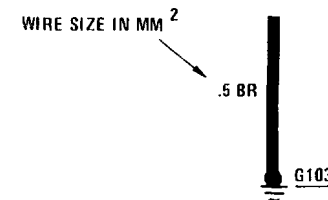


INDICATES THAT FUSE 6 IS SUPPLIED WITH POWER WITH THE IGNITION SWITCH IN THE RUN OR START POSITIONS

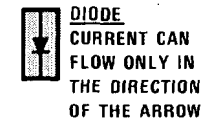
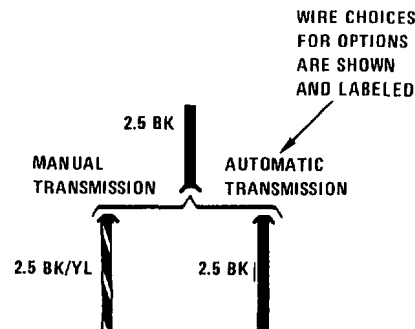
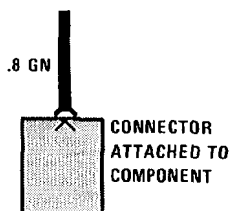
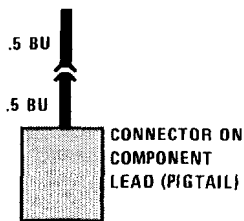


CONNECTOR REFERENCE NUMBER FOR COMPONENT LOCATION CHART  
CHART ALSO SHOWS TOTAL NUMBER OF CONTACTS POSSIBLE: C103 (6 PIN)

A WAVY LINE MEANS A WIRE IS CONTINUED  
WIRE INSULATION IS ONE COLOR WITH ANOTHER COLOR STRIPE (RED WITH BROWN)



WIRE 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

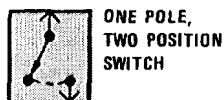


DIODE CURRENT CAN FLOW ONLY IN THE DIRECTION OF THE ARROW

CIRCUIT REFERENCE - A WIRE WHICH CONNECTS TO ANOTHER CIRCUIT



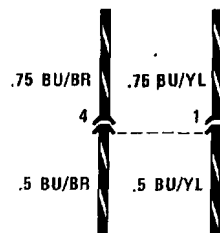
ACTIVE CHECK CONTROL



ONE POLE,  
TWO POSITION  
SWITCH



SWITCHES THAT  
MOVE TOGETHER  
DASHED LINE SHOWS  
A MECHANICAL  
CONNECTION  
BETWEEN SWITCHES

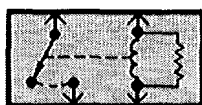


TWO CONNECTIONS  
(PINS) IN THE SAME  
CONNECTOR  
DASHED LINE SHOWS  
PARTS OF THE  
SAME CONNECTOR

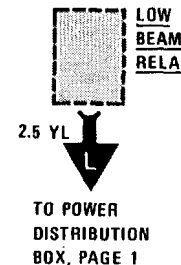
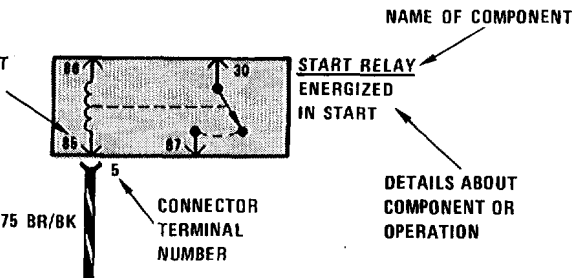


WHEN COIL IS  
ENERGIZED, SWITCH  
IS PULLED CLOSED

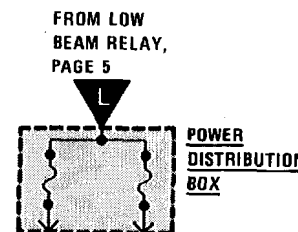
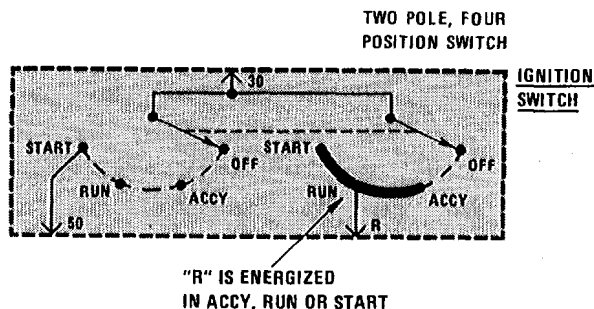
RELAY SHOWN  
WITH NO  
CURRENT  
FLOWING  
THROUGH  
COIL



RELAY SHOWN  
WITH RESISTOR  
ACROSS COIL  
RESISTOR ACROSS COIL  
IS FOR NOISE  
SUPPRESSION

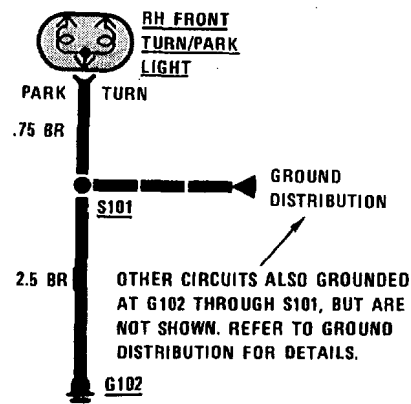


CURRENT PATH  
IS CONTINUED  
AS LABELED.  
THE ARROW SHOWS  
DIRECTION OF CURRENT  
FLOW AND IS REPEATED  
WHERE CURRENT  
PATH CONTINUES.



FROM LOW  
BEAM RELAY,  
PAGE 5

POWER  
DISTRIBUTION  
BOX



LIGHT  
EMITTING  
DIODE

## 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

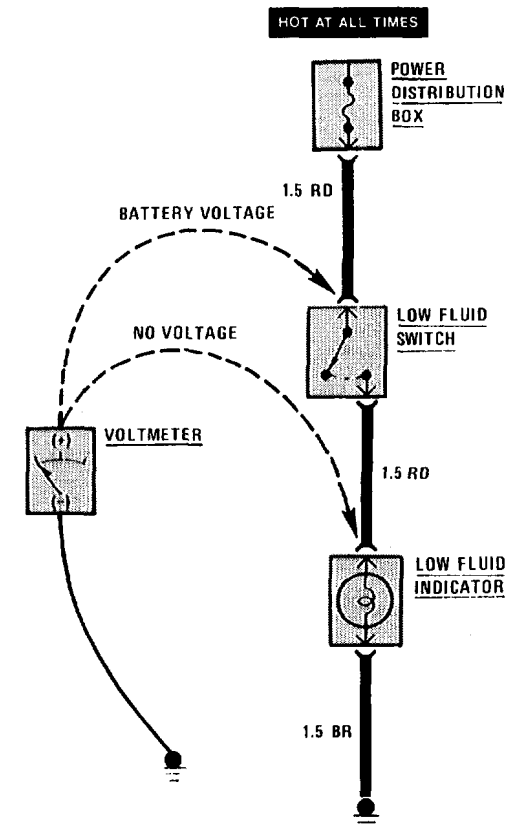
Isolating the problem (Step 3 of TROUBLESHOOTING PROCEDURES) requires the use of a **voltmeter** and/or **ohmmeter**. A voltmeter measures voltage at selected points in a circuit. An ohmmeter measures a circuit's resistance to current flow. It has an internal battery that provides current to the circuit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

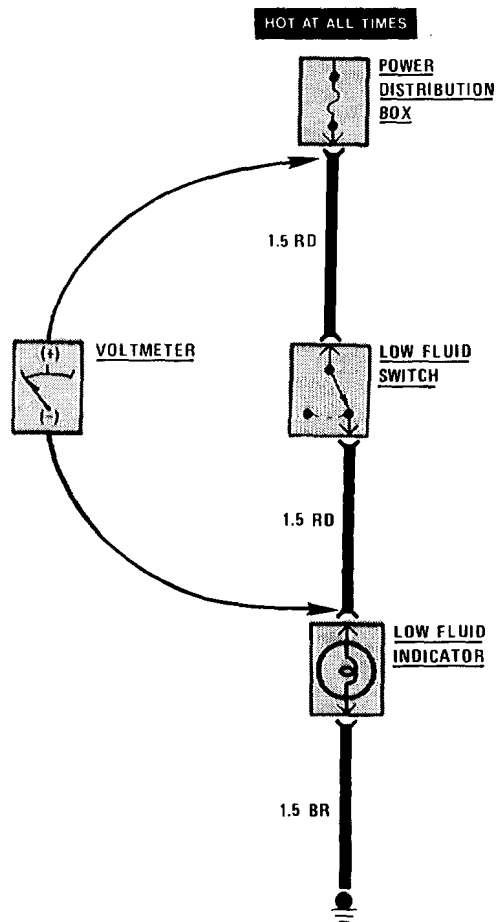


Voltage Test

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.

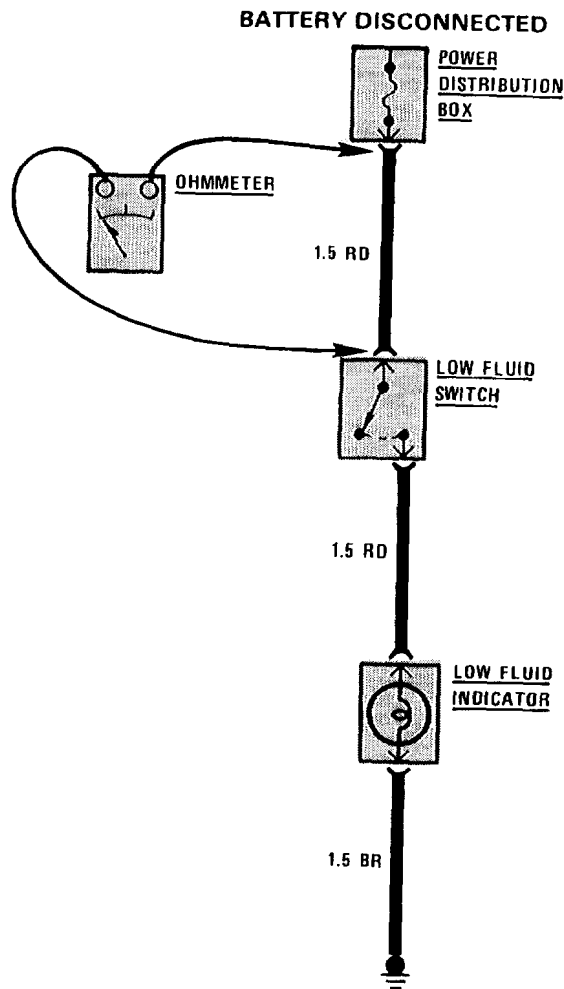
To test for voltage drop, connect the voltmeter leads to connectors at either end of the circuit's suspected problem area. The positive lead should be connected to the connector closest to the power source. The voltmeter will show the voltage drop between these two points.



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.

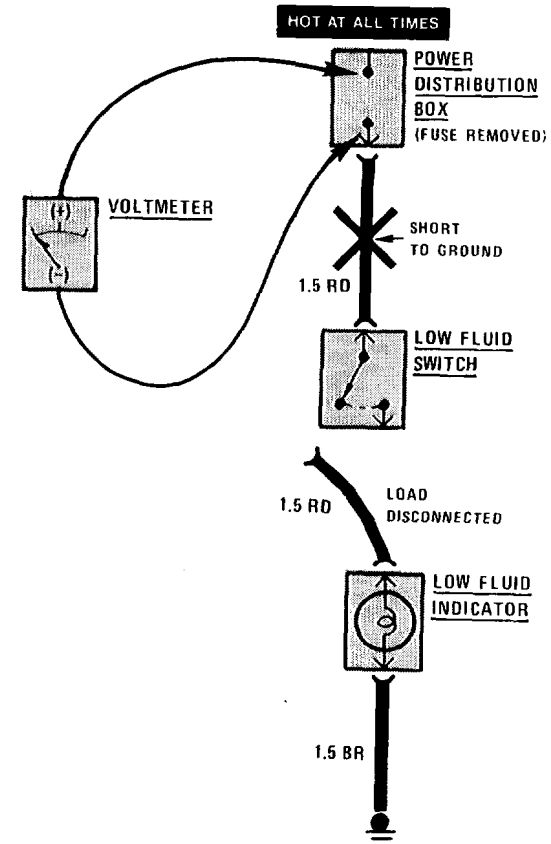


Continuity Test

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

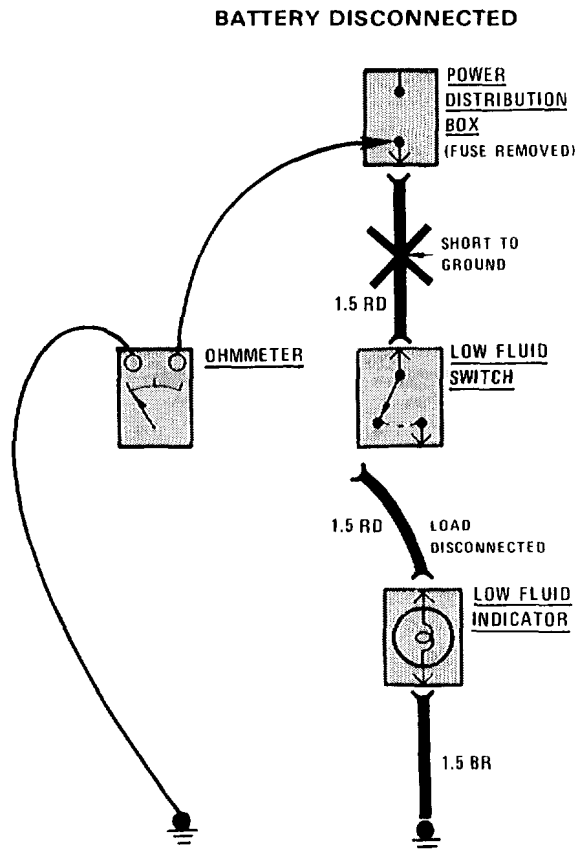


## 8 SYSTEMATIC TROUBLESHOOTING

### 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

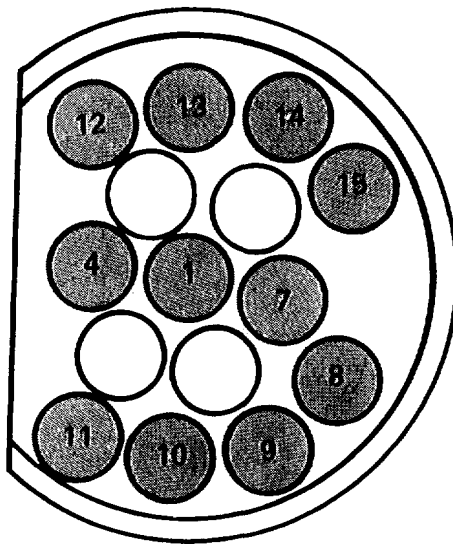
**Section A**

**325e**

**Schematic Diagrams**

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DIAGNOSTIC CONNECTOR FACE

PIN	WIRE SIZE	WIRE COLOR	CIRCUIT AND COMPONENT CONNECTED
1	1.5	BR	Ground Distribution, G103
4	.5	BR/VI	Gauges/Warning Indicators, Coolant Temperature Sender
7	.5	WT/BU	Service Interval Indicator, Service Interval Processor (Reset)
8	.5	YL	Ignition, TDC Sensor.
9		SHIELD	Ignition, TDC Sensor.
10	.5	BK	Ignition, TDC Sensor.
11	2.5	BK/YL	Start, Start Signal. (50)
12	.75	BU	Charge System, Alternator (D+)
13	1	GN	Ignition, Ignition Coil
14	2.5	RD	Charge System, Alternator (30)
15	1.5	GN/YL	Idle Speed Control, Idle Speed Control Unit.

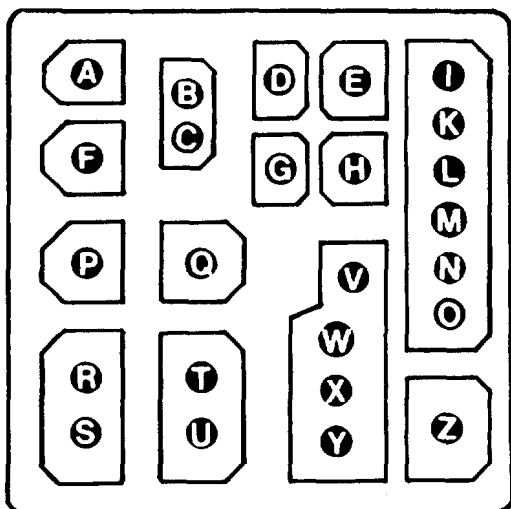


Figure 1-C302 (Accessory Connector)  
 Front View—Under LH Side  
 of Dash Ahead of Pedal Assembly

CIRCUITS USING C301 (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 & Sunroof
E	Not Used	R	Cruise Control
F	Not Used	S	Cruise Control
G	Not Used	T	Not Used
H	On-Board Computer	U	Not Used
I	Not Used	V	Radio
J	Not Used	W	Not Used
K	Not Used	X	Radio
L	Not Used	Y	Radio
M	Not Used	Z	Power Antenna

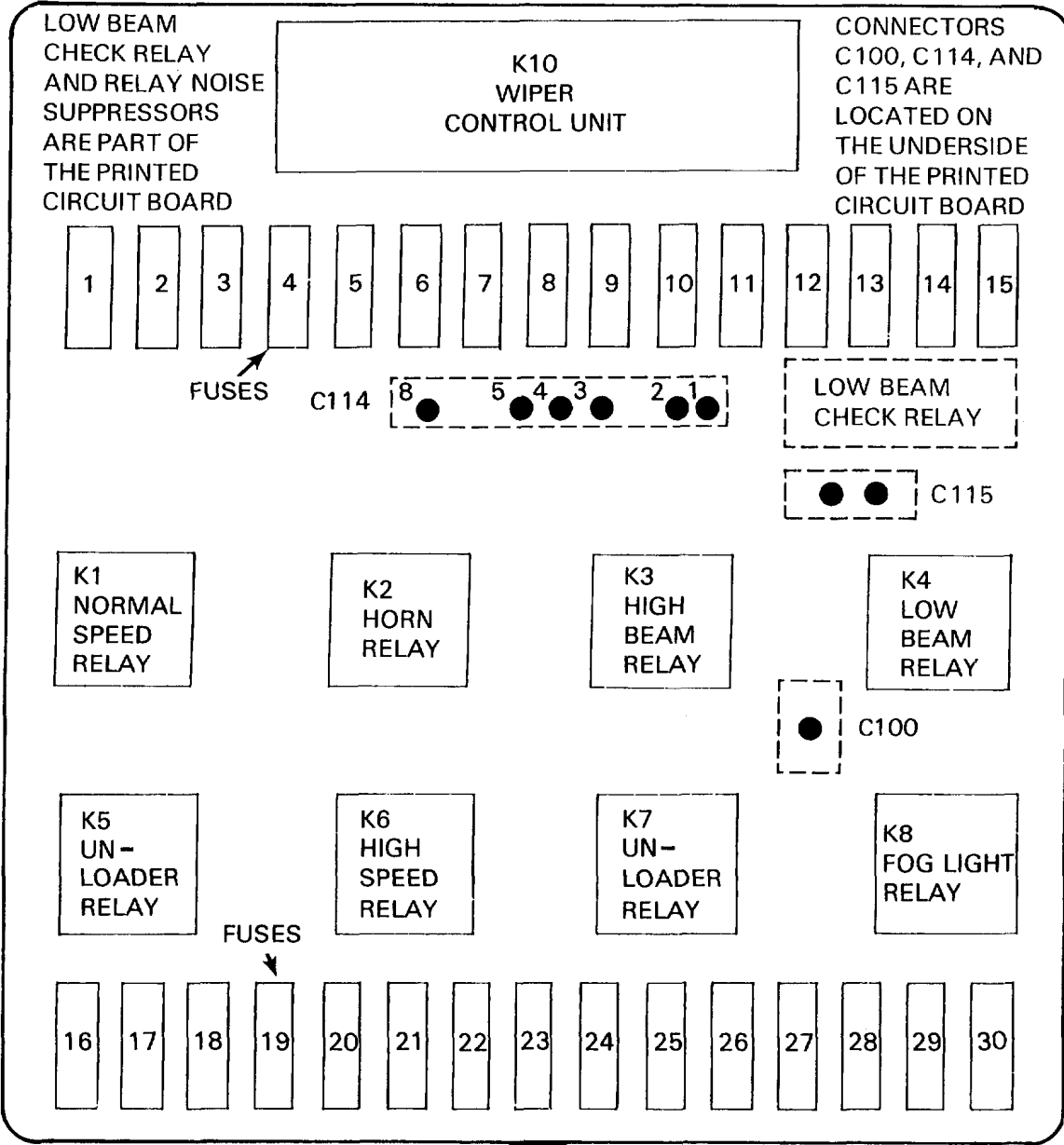


Figure 1 - Behind Left Front Shock Tower

# 103A FUSE DATA

FUSE NO.	SIZE/ COLOR	CIRCUIT NAME
1	7.5A (BR)	Headlights (also fuses 2, 13, 14).
2	7.5A (BR)	Headlights (also fuses 1, 13, 14).
3	15A (LT BU)	Auxiliary Fan (also fuses 18, 19).
4	15A (LT BU)	Lights: Turn/Hazard Warning (also fuse 24); Active Check Control (also fuses 6, 10, 21, 22, 23).
5	30A (LT GN)	Wiper/Washer.
6	7.5A (BR)	Stoplights/Cruise Control (also fuse 10); Active Check Control (also fuses 4, 10, 21, 22, 23); Cruise Control.
7	15A (LT BU)	Horn.
8	30A (LT GN)	Rear Defogger (also fuse 23).
9	15A (LT BU)	Idle Speed Control (also fuse 10).
10	7.5A (BR)	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; Idle Speed Control (also fuse 9); Active Check Control (also fuse 21); Stoplights/Cruise Control (also fuse 6).
11	15A (LT BU)	Fuel Delivery.
12	7.5A (BR)	Radio (also fuse 21); Speedometer/Indicators (also fuse 8); On-Board Computer (also fuse 10, 21, 27).
13	7.5A (BR)	Headlights (also fuses 1, 2, 14).
14	7.5A (BR)	Headlights (also fuses 1, 2, 13).
15		Not Used.
16		Not Used.
17	15A (LT BU)	Sunroof.
18	30A (LT GN)	Auxiliary Fan (also fuses 3, 19).
19	7.5A (BR)	Auxiliary Fan (also fuses 3, 18); Interior Lights (also fuses 21, 27); Power Mirrors.

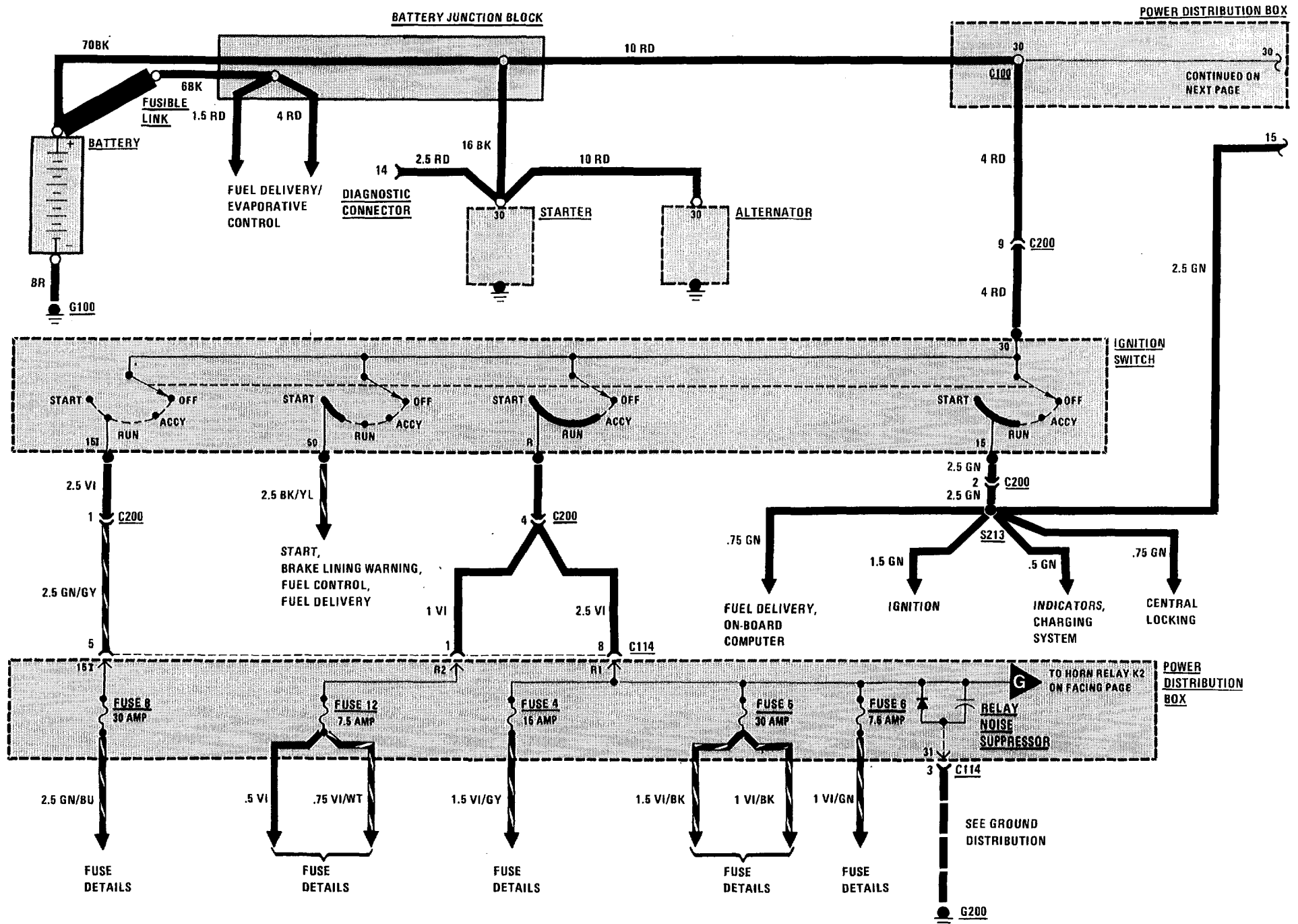
FUSE NO.	SIZE/ COLOR	CIRCUIT NAME
20	30A (LT GN)	Heater/Air Conditioning (also fuse 28).
21	7.5A (BR)	Auto-Charging Flashlight; Glove Box Light; Ignition Key Warning/Seatbelt Warning (also fuse 10); Interior Lights (also fuses 14, 22, 27); Radio (also fuses 12); Trunk Light; Active Check Control (also fuses 4, 6, 10, 22, 23); Service Interval Indicator (also fuse 10); On-Board Computer (also fuses 10, 12, 27); Fuel Delivery; Tachometer/Fuel Economy Gauge (also fuse 10).
22	7.5A (BR)	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 (BR)	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 (LT BU)	Lights: Turn/Hazard Warning (also fuse 4).
25		Not Used.
26		Not Used.
27	30A (LT GN)	Interior Lights (also fuses 19, 21); Central Locking; On-Board Computer (also fuses 10, 12, 21).
28	30A (LT GN)	Cigar Lighter; Power Antenna.
29	7.5A (BR)	Fog Lights (also fuse 30).
30	7.5 (BR)	Fog Lights (also fuse 29).

**BLANK**



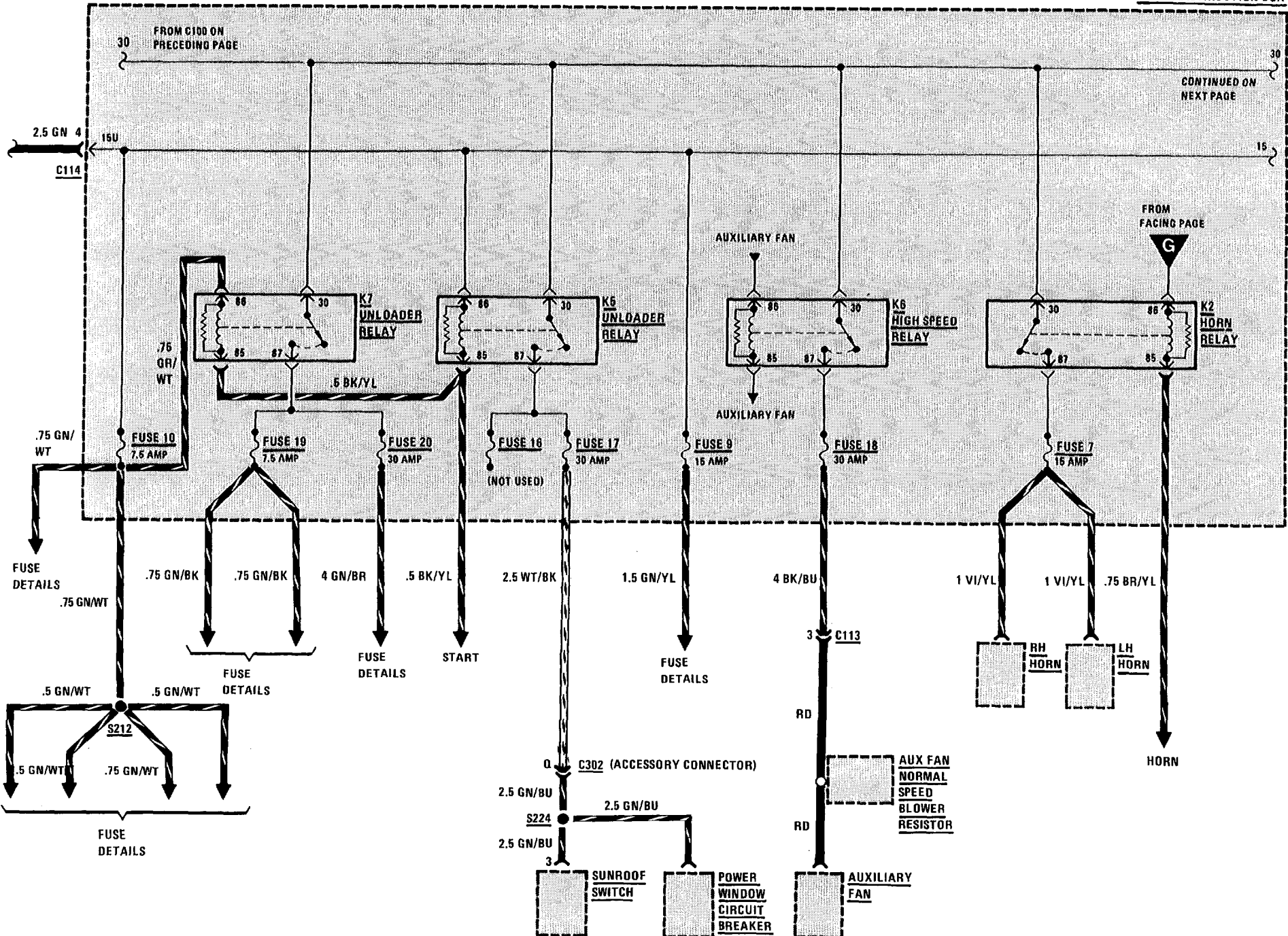
# 104 POWER DISTRIBUTION

(For Component Location See Page 213)



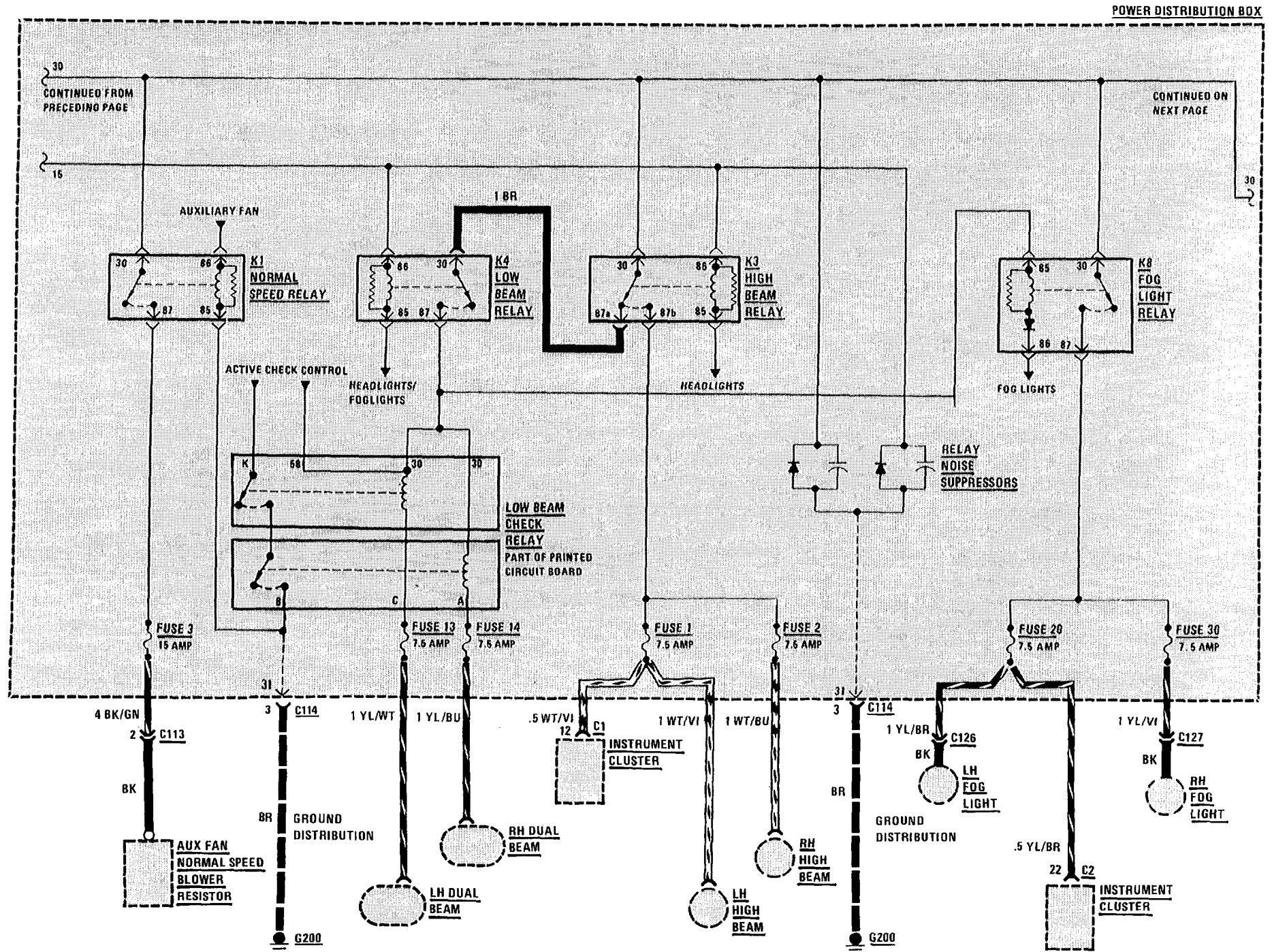
(For Component Location See Page 213)

POWER DISTRIBUTION BOX



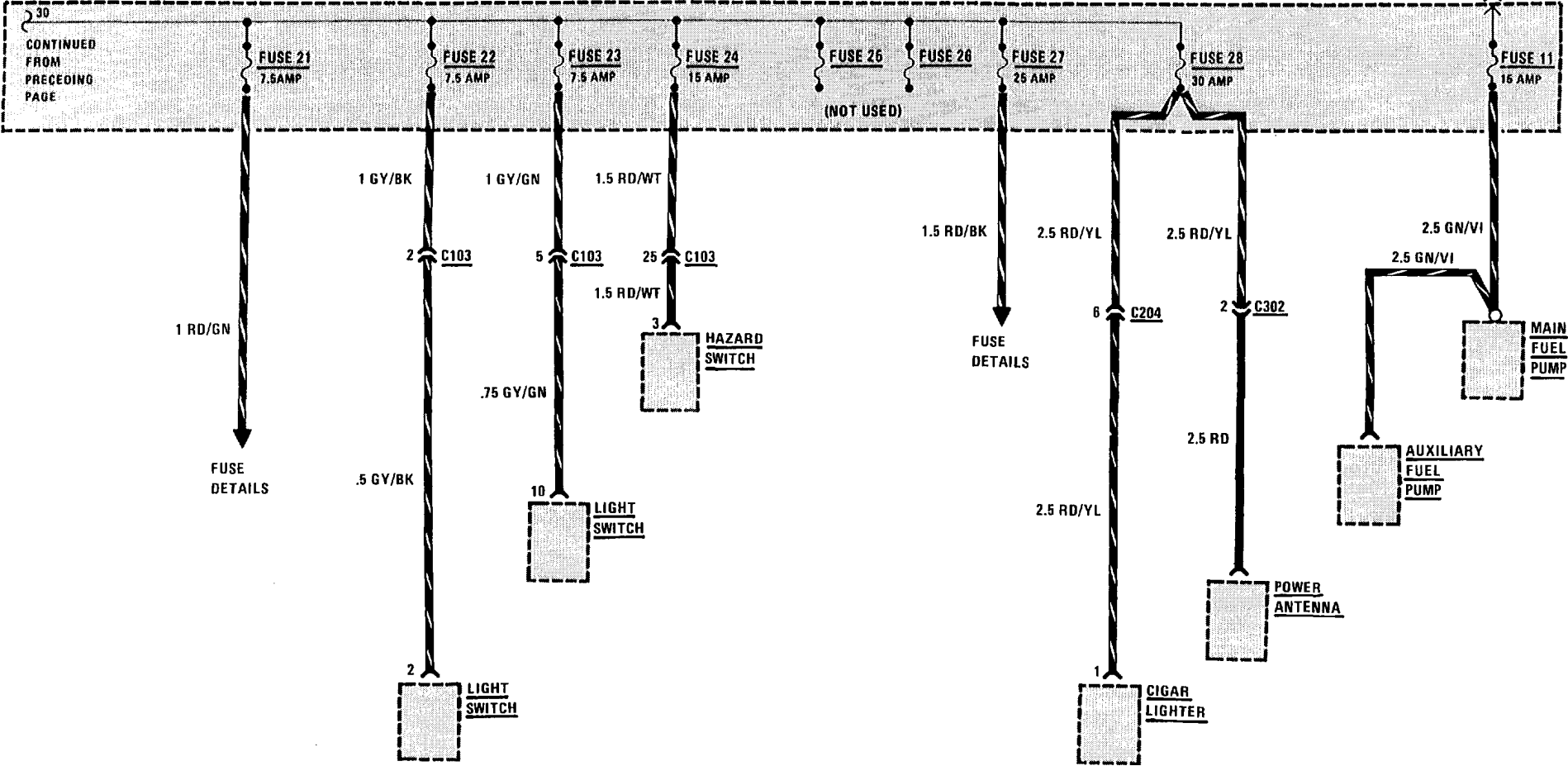
# 106 POWER DISTRIBUTION

(For Component Location See Page 213)



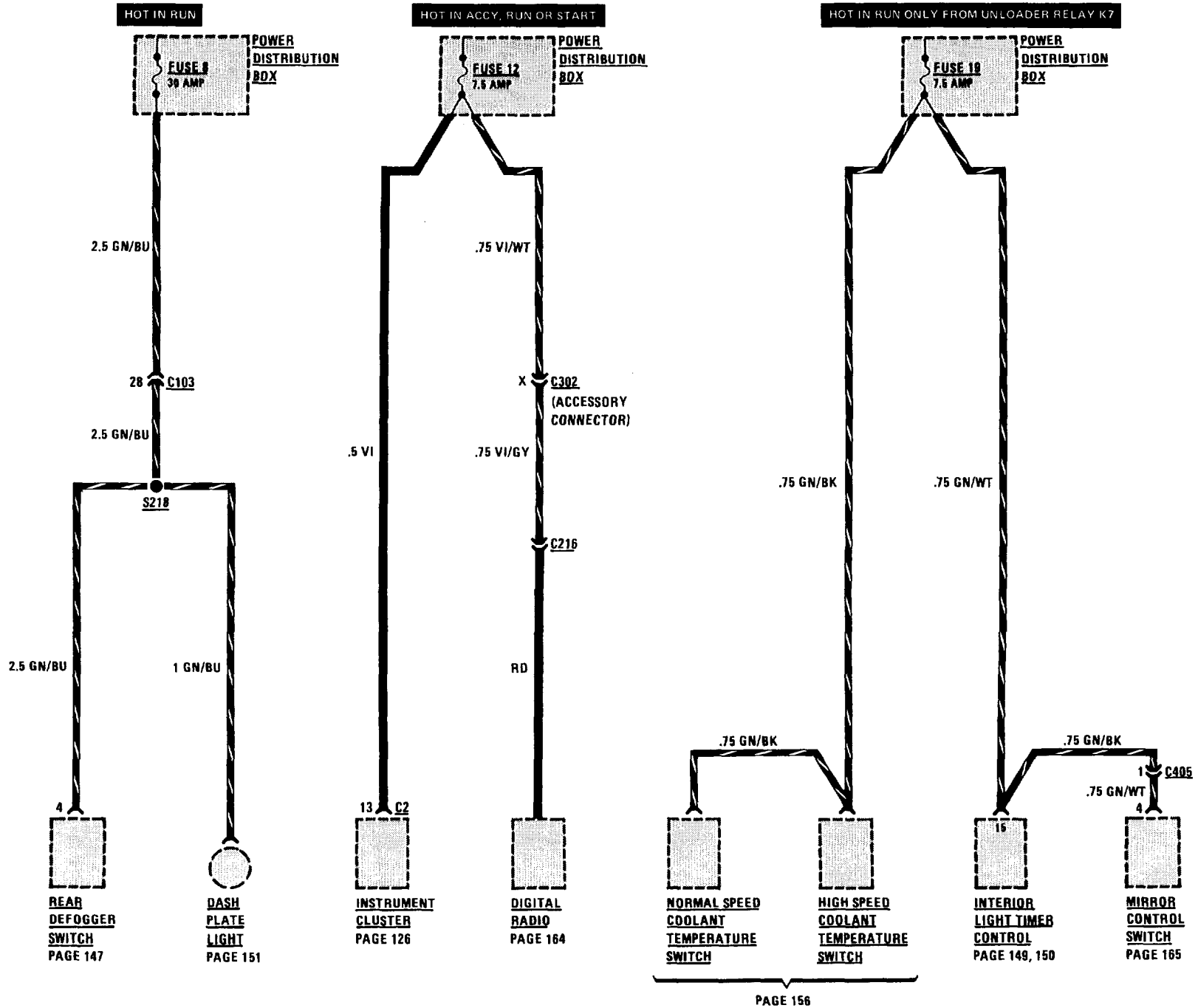
(For Component Location See Page 213)

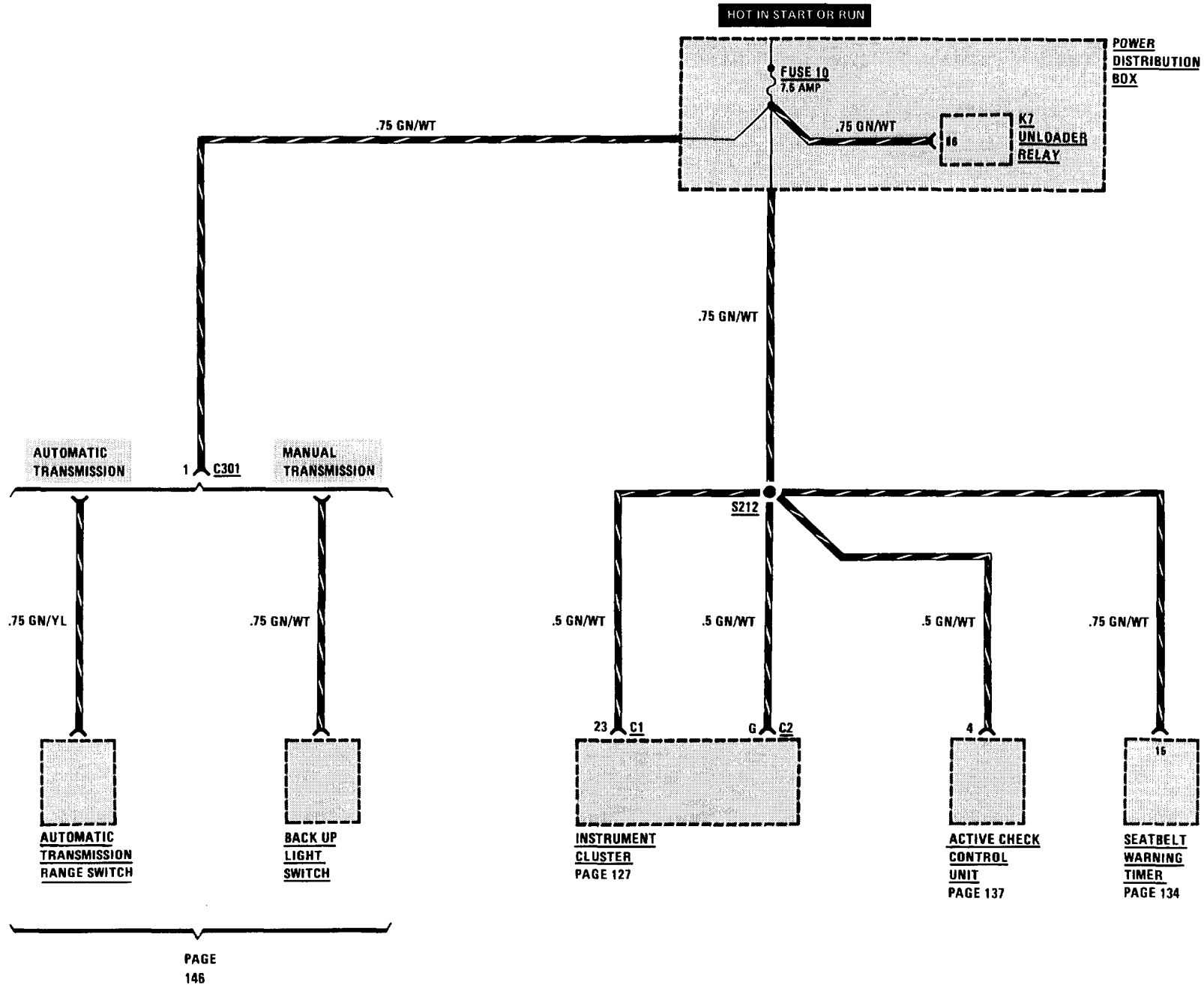
POWER DISTRIBUTION BOX



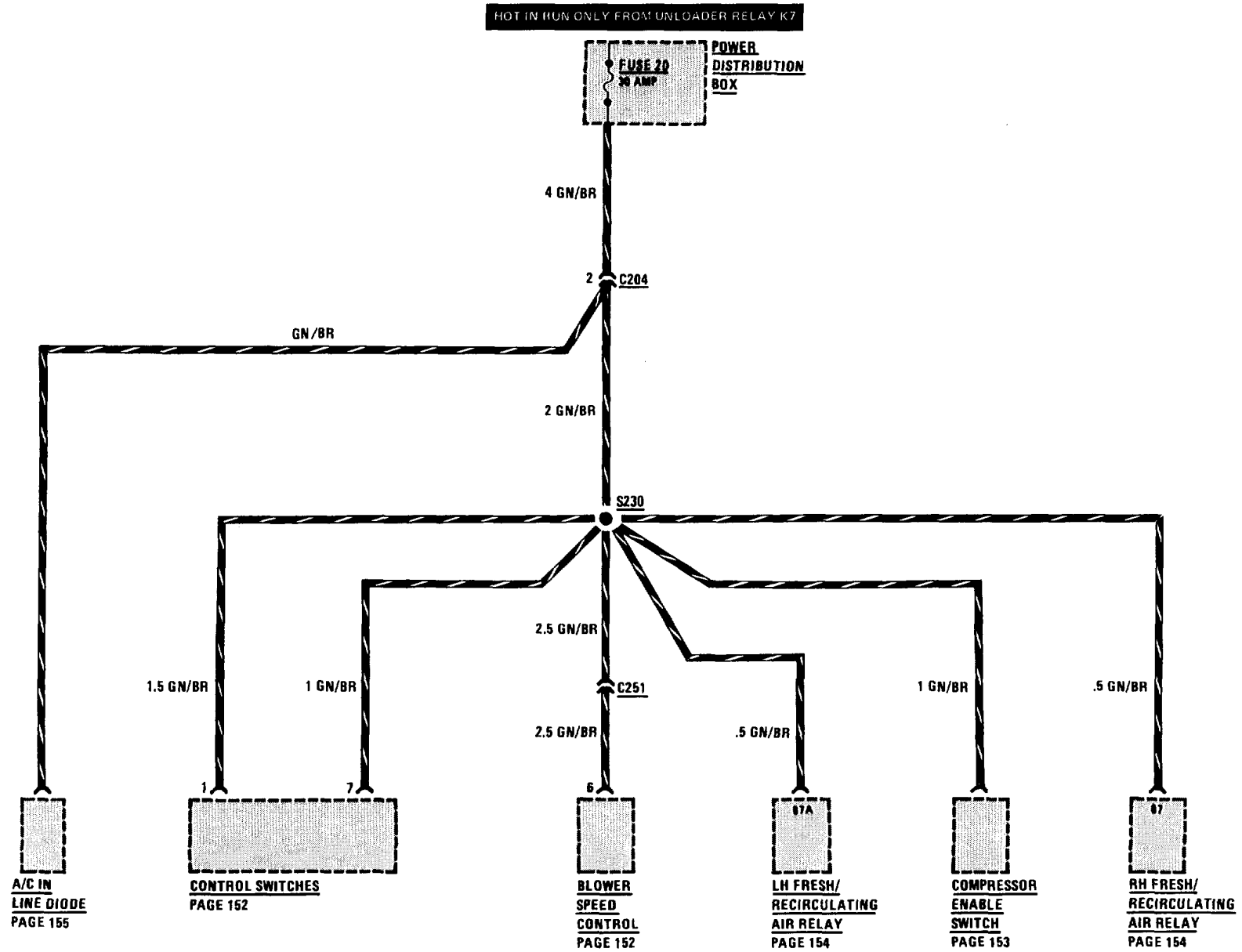
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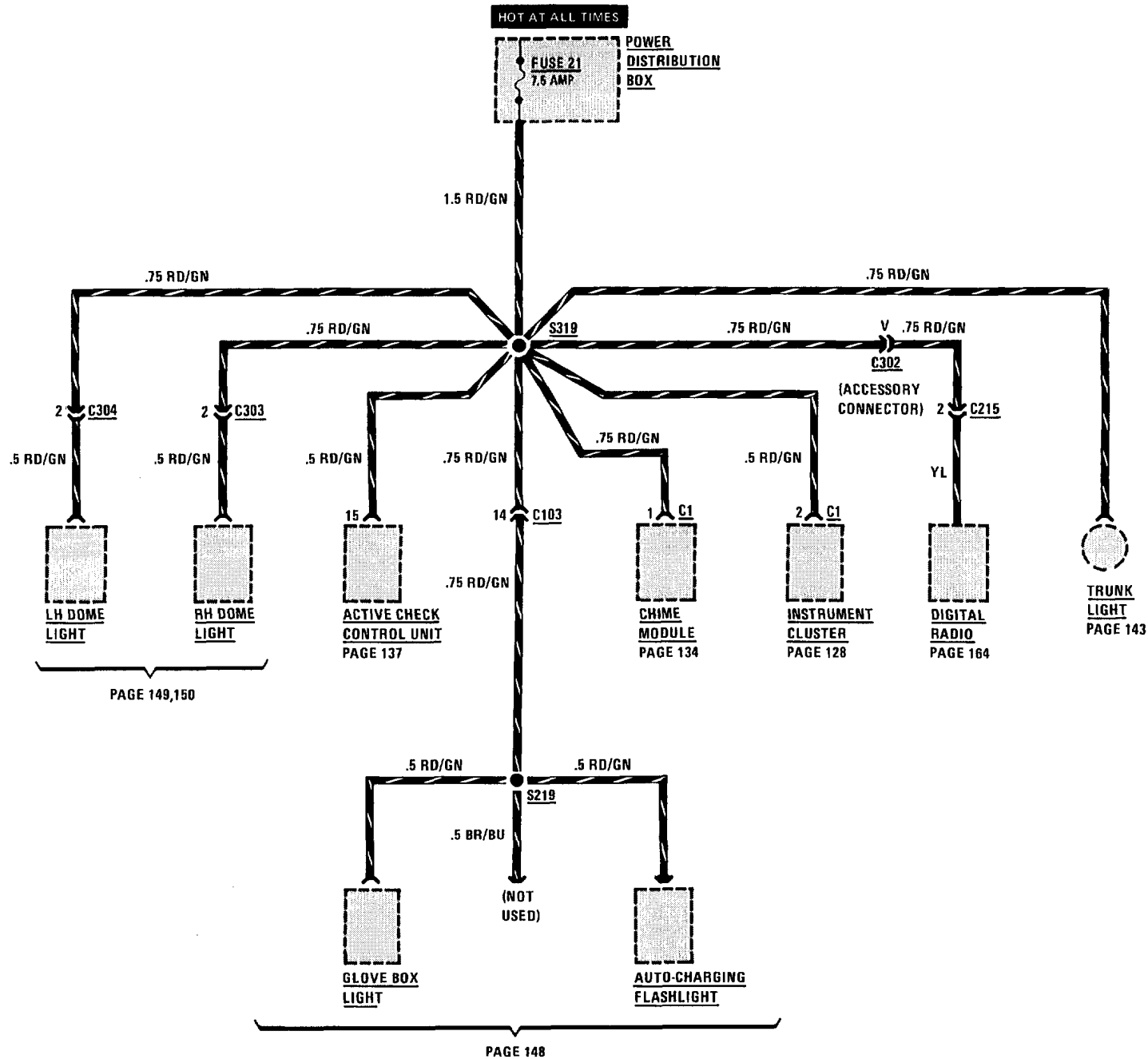
# 108 FUSE DETAILS: FUSES 8, 12 AND 19





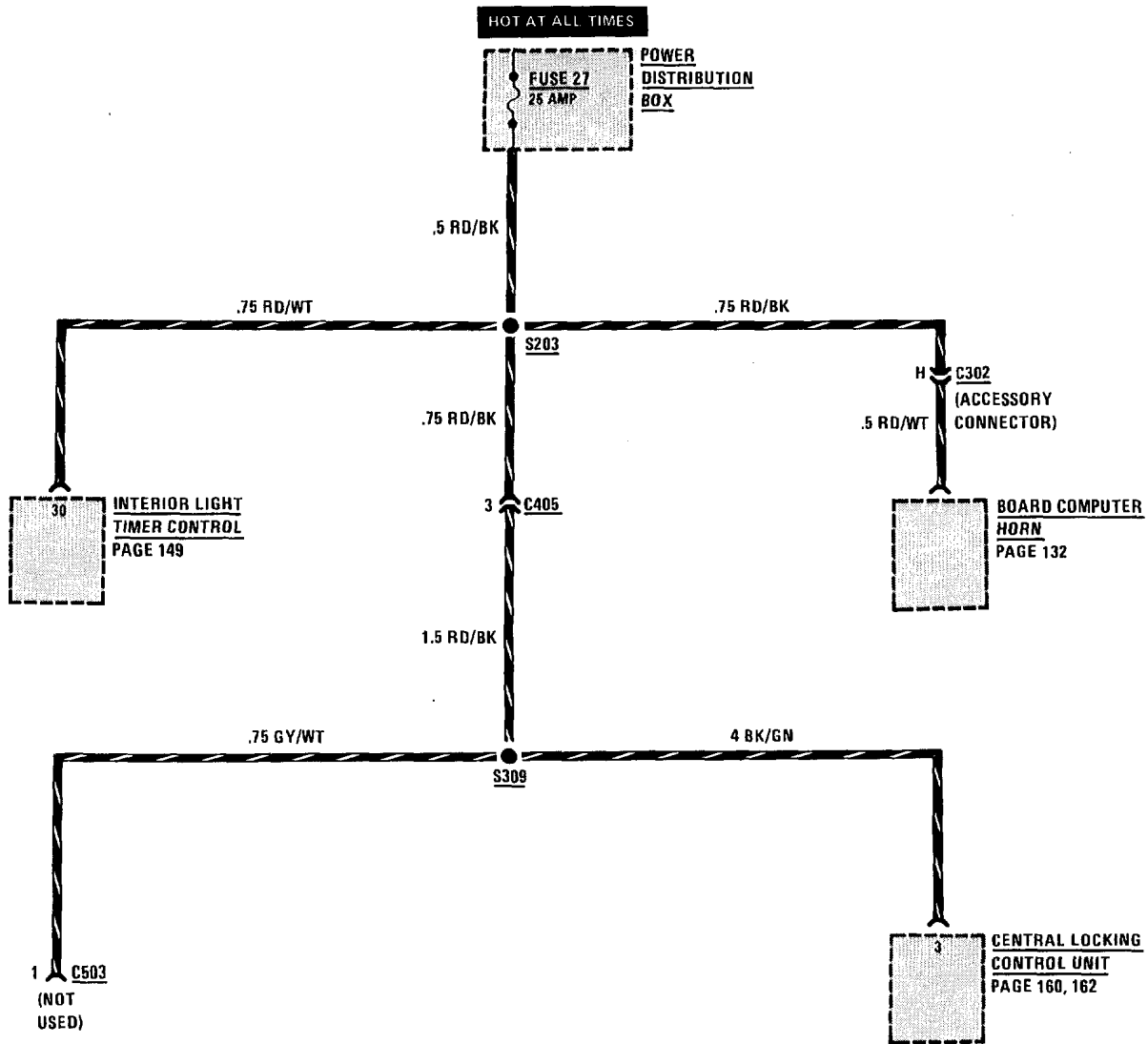
# 110 FUSE DETAILS: FUSE 20

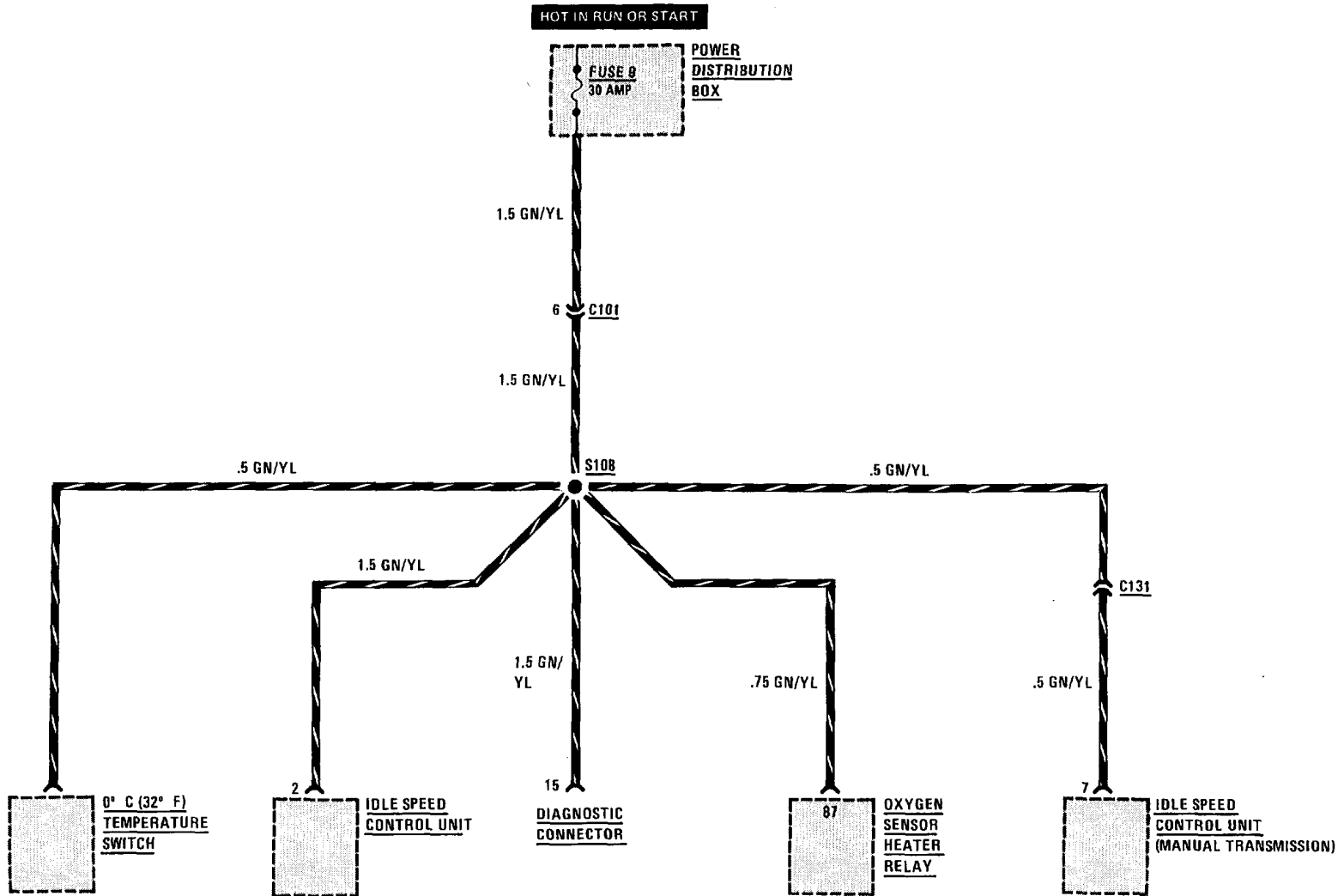




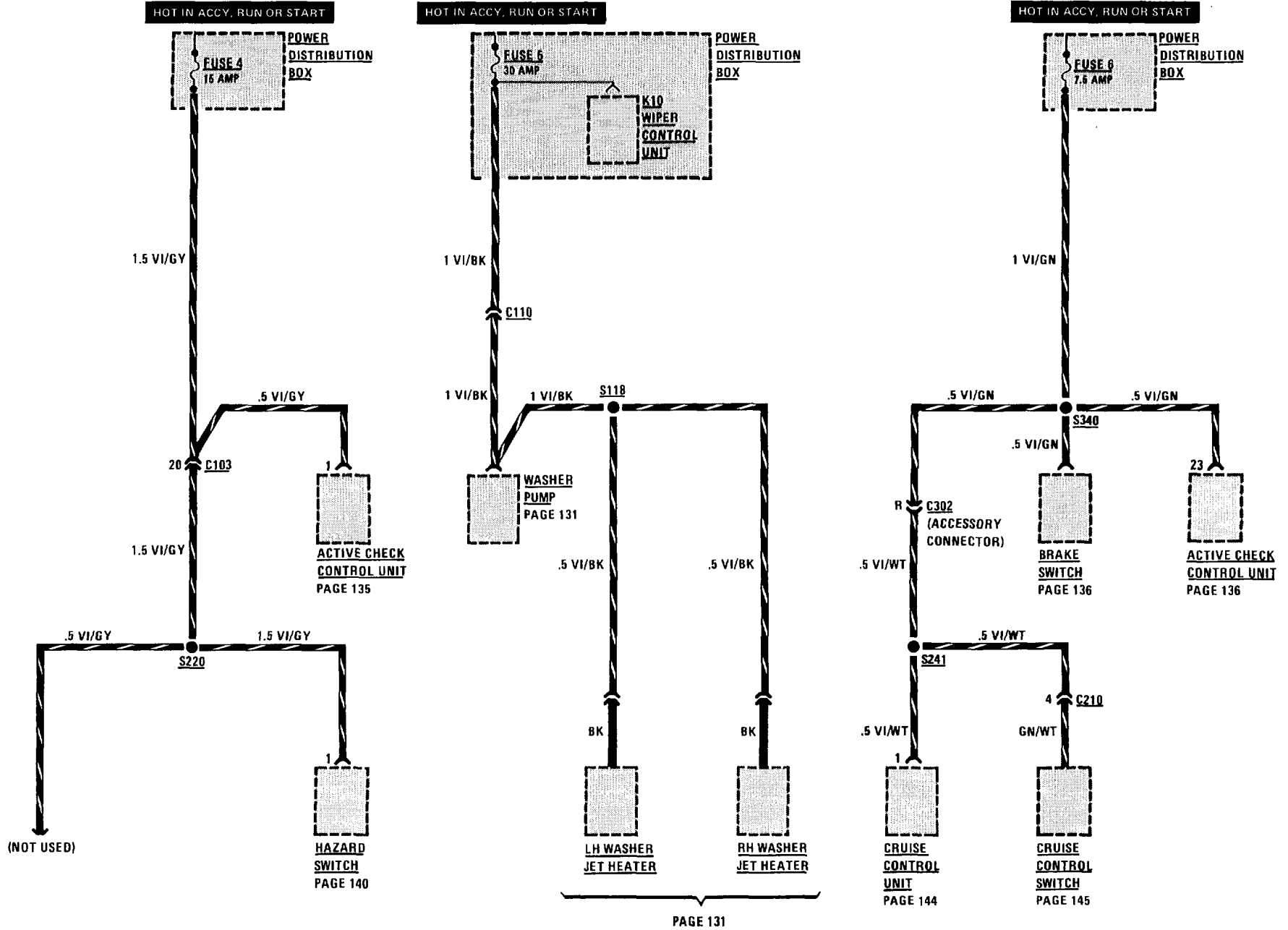


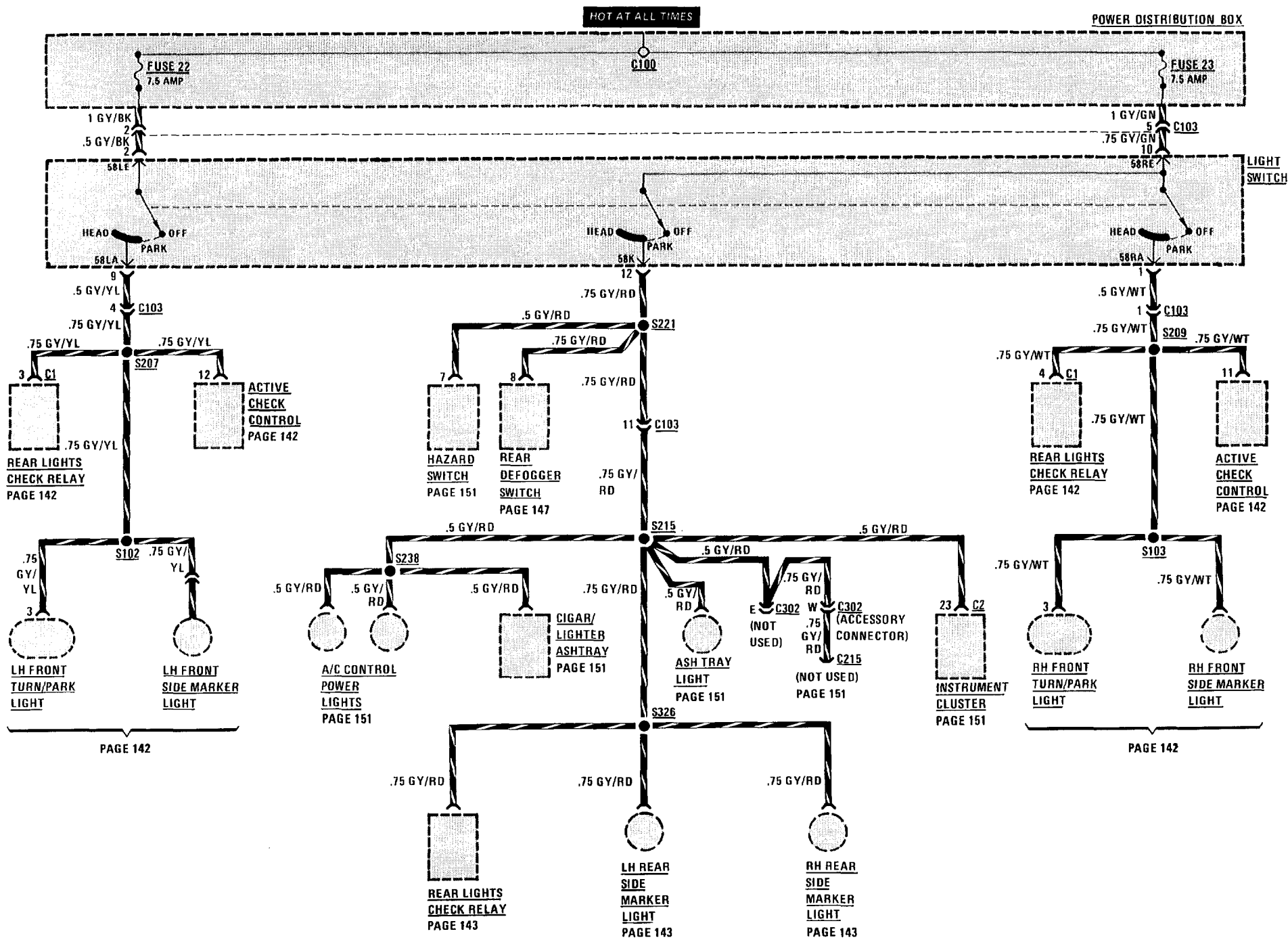
# 112 FUSE DETAILS: FUSE 27





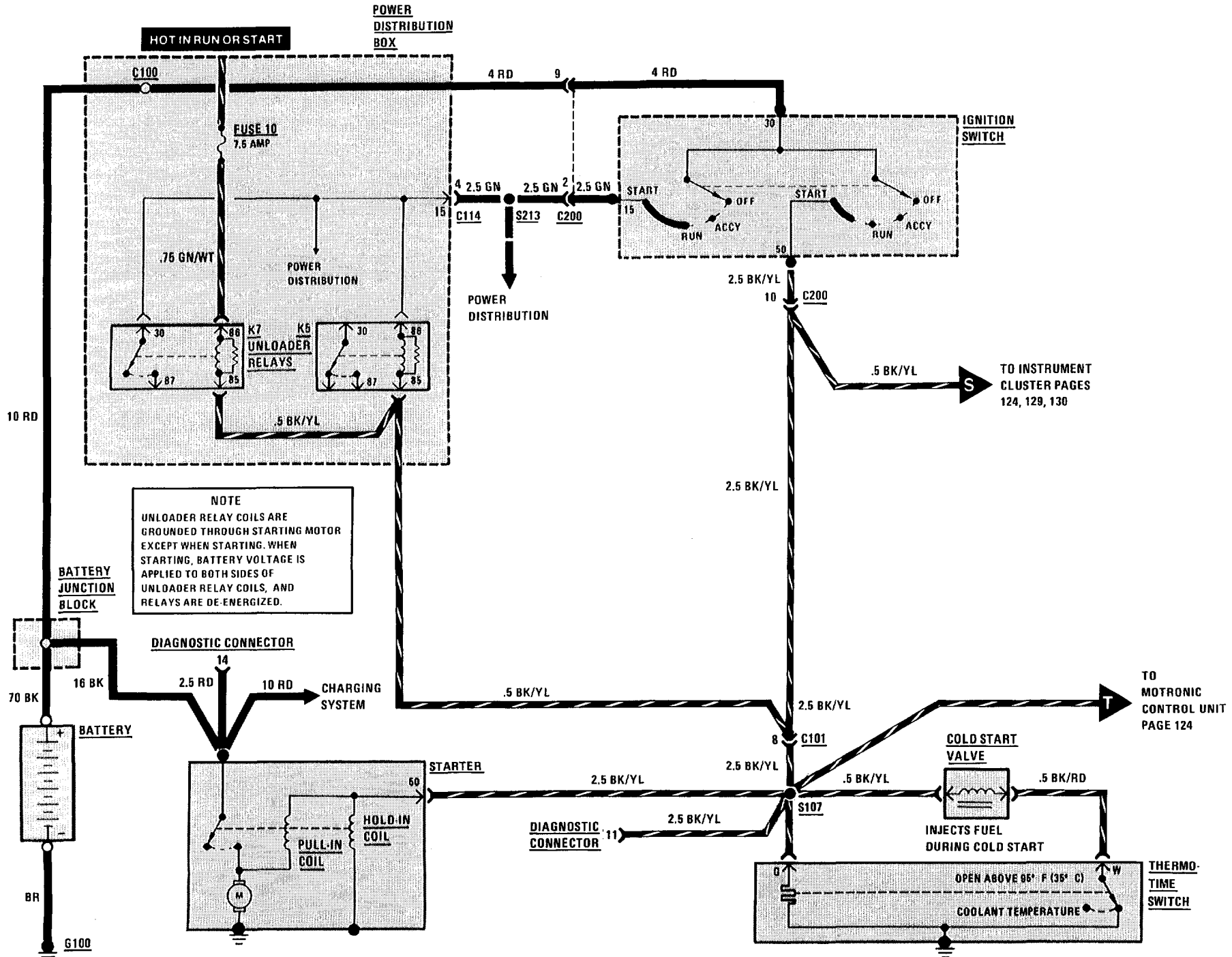
# 114 FUSE DETAILS: FUSES 4, 5, AND 6





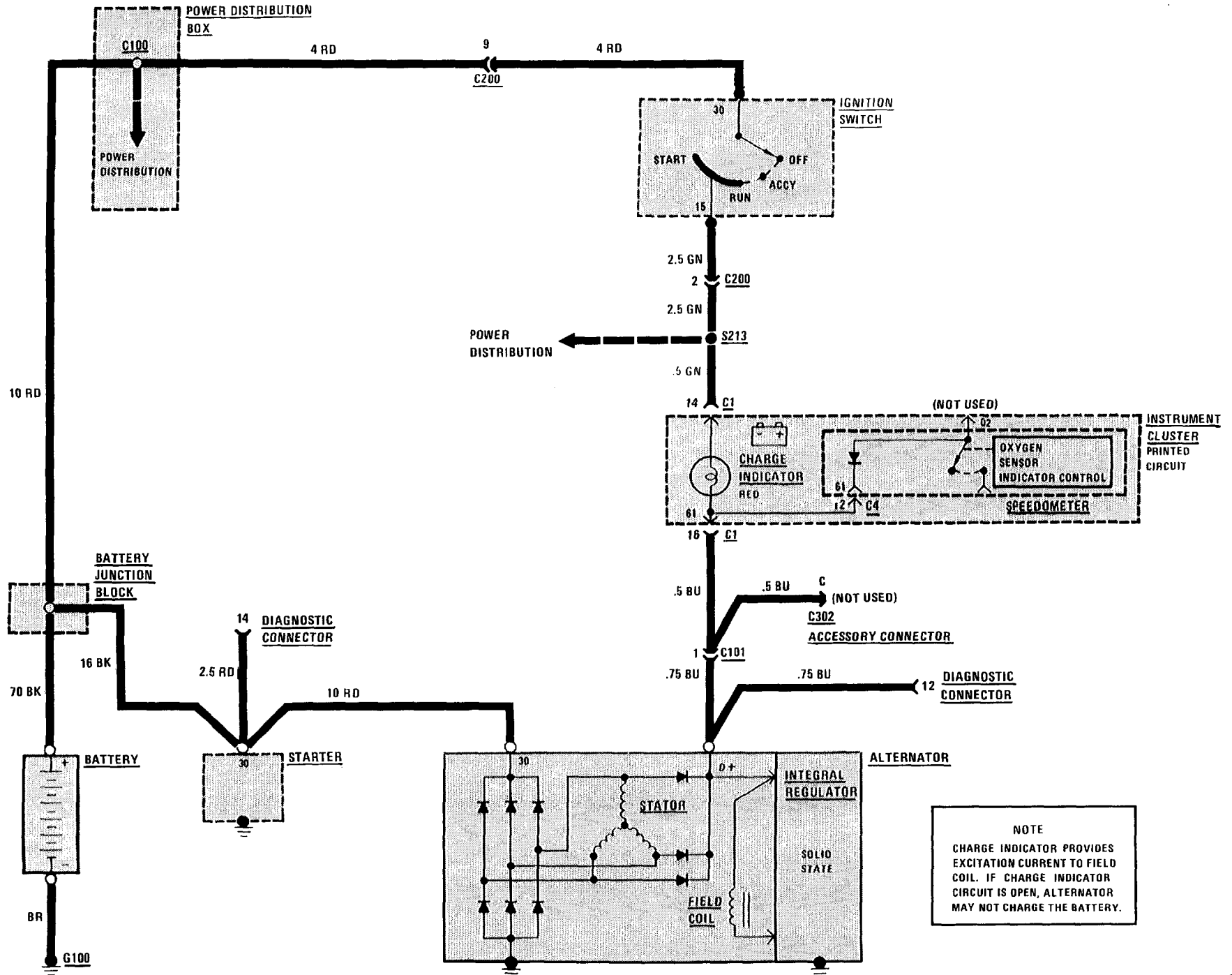


(For Component Location See Page 209)

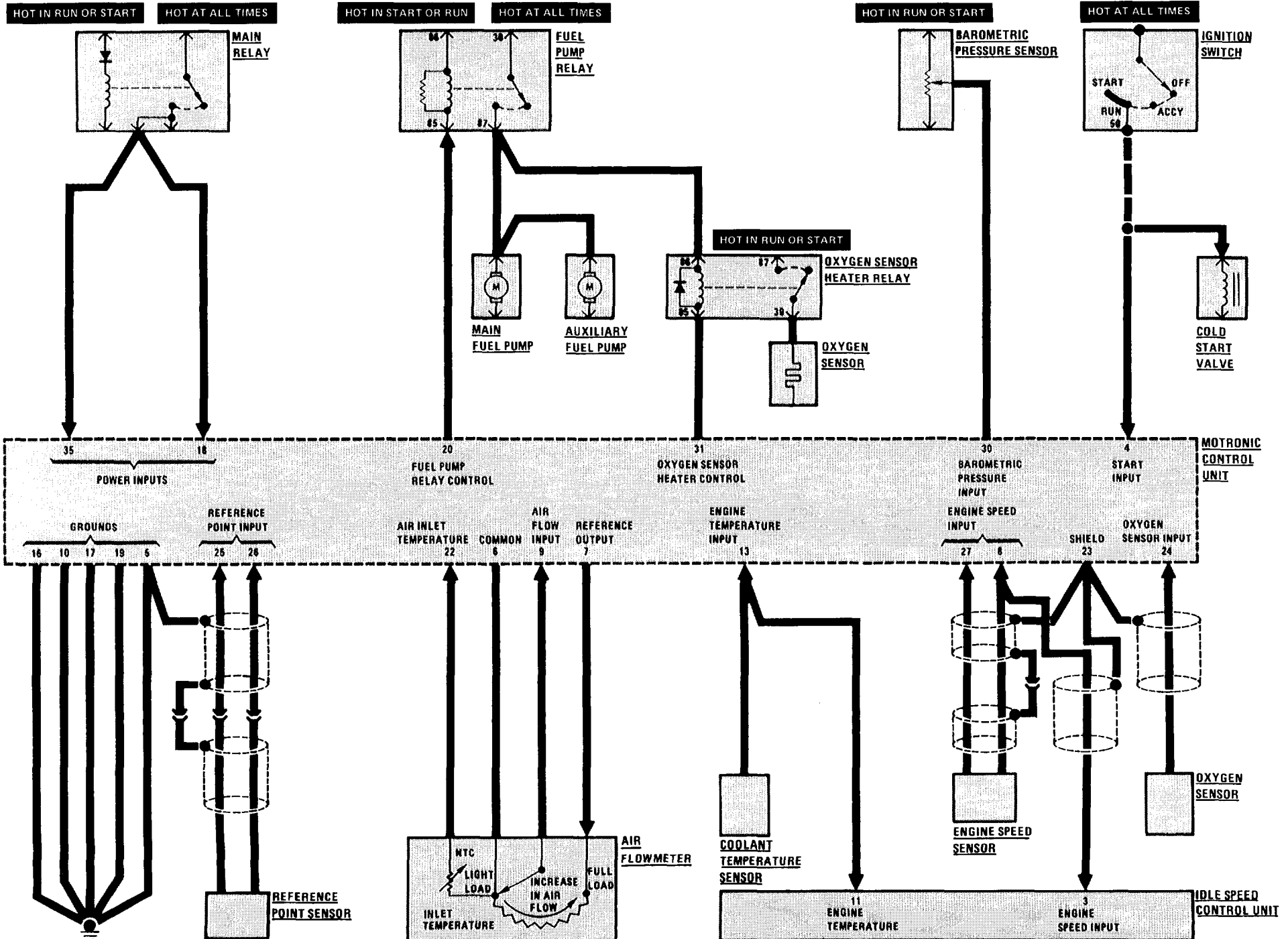


# 118 CHARGING SYSTEM

(For Component Location See Page 207)

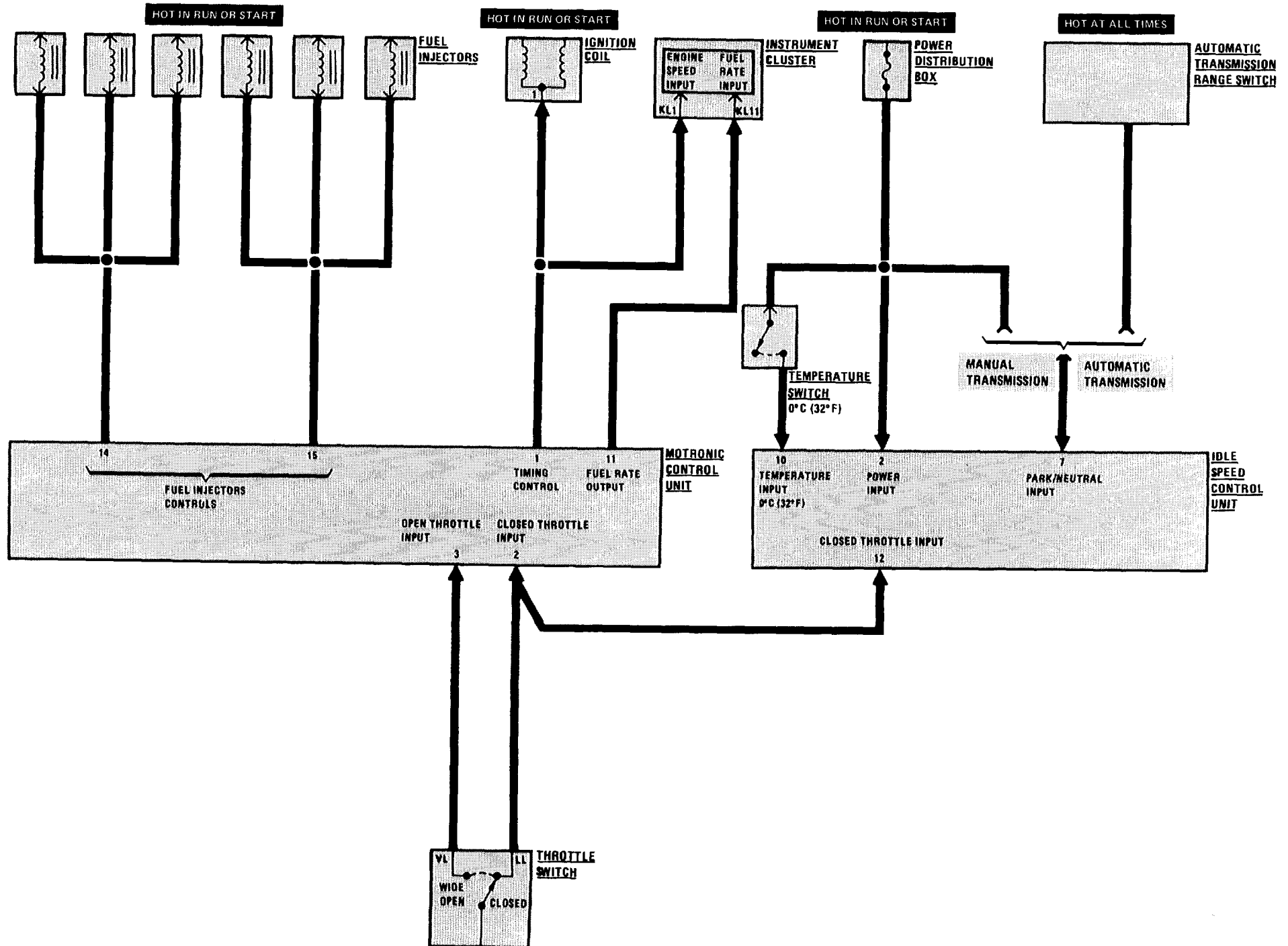


**NOTE**  
 CHARGE INDICATOR PROVIDES  
 EXCITATION CURRENT TO FIELD  
 COIL. IF CHARGE INDICATOR  
 CIRCUIT IS OPEN, ALTERNATOR  
 MAY NOT CHARGE THE BATTERY.





# 120 BLOCK DIAGRAM FOR 325e ENGINE CONTROLS



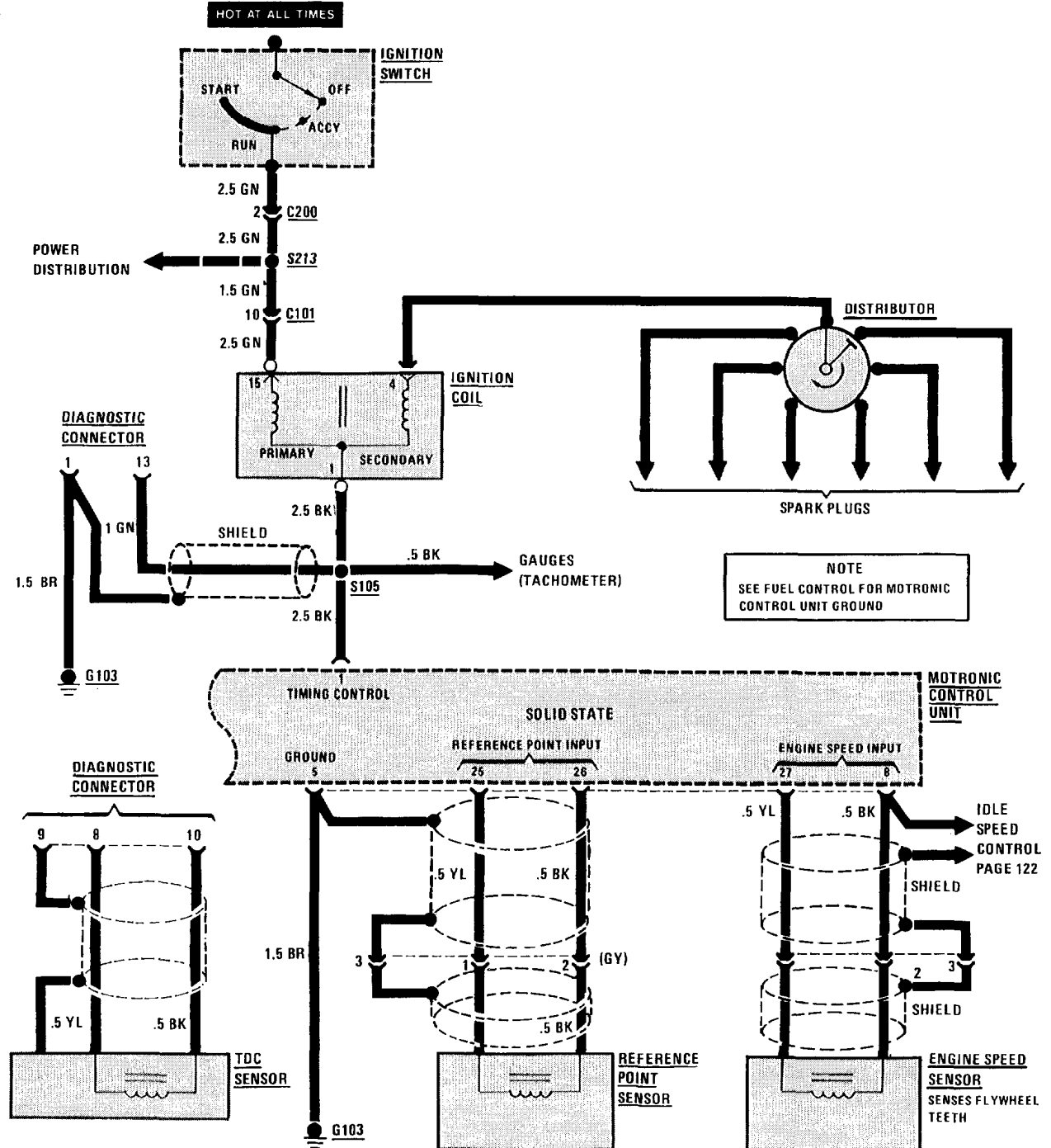
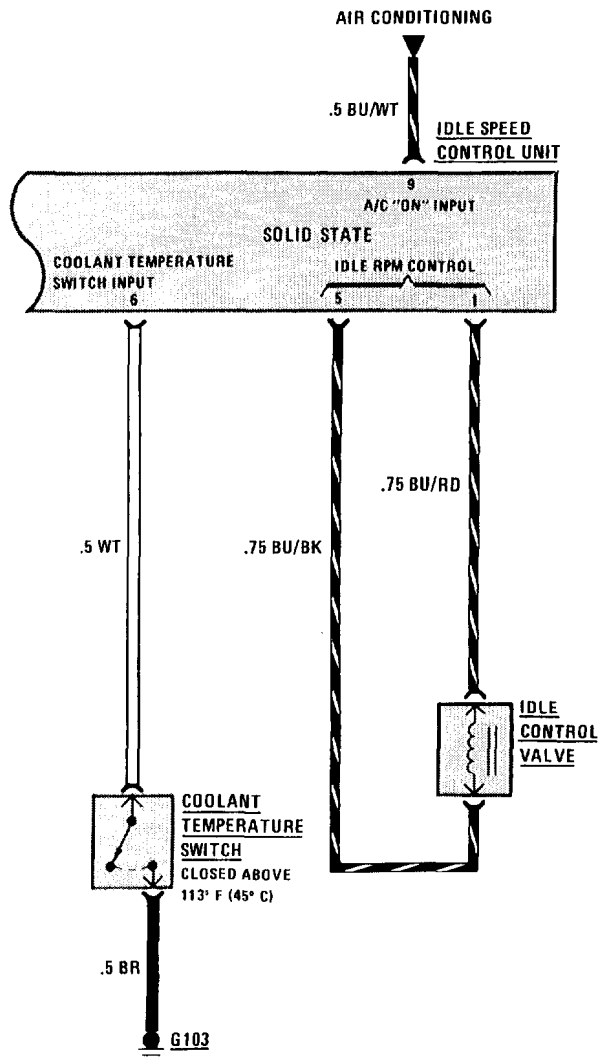
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**BLANK**



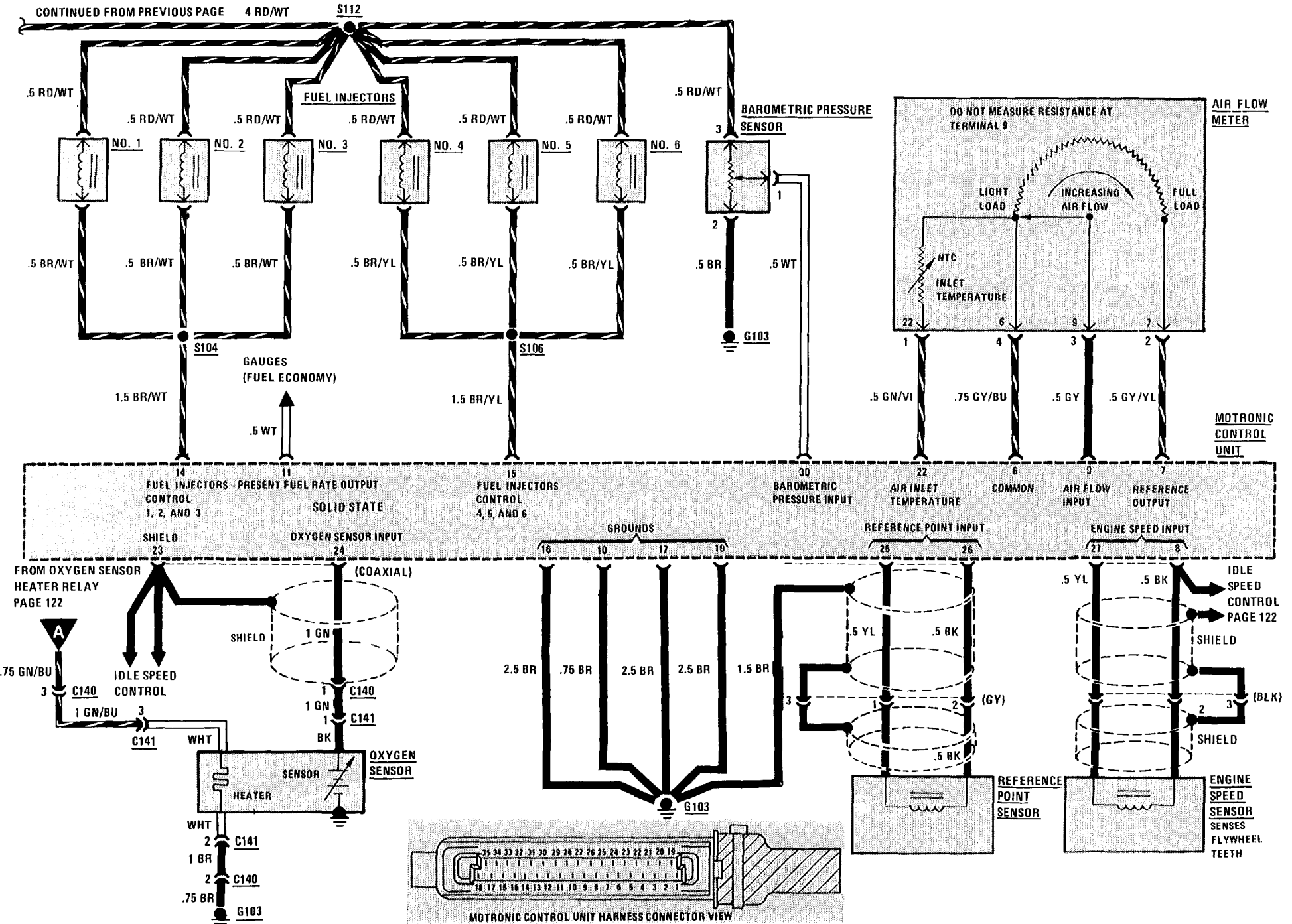
(For Component Location See Page 205)

(For Component Locations See Page 208)



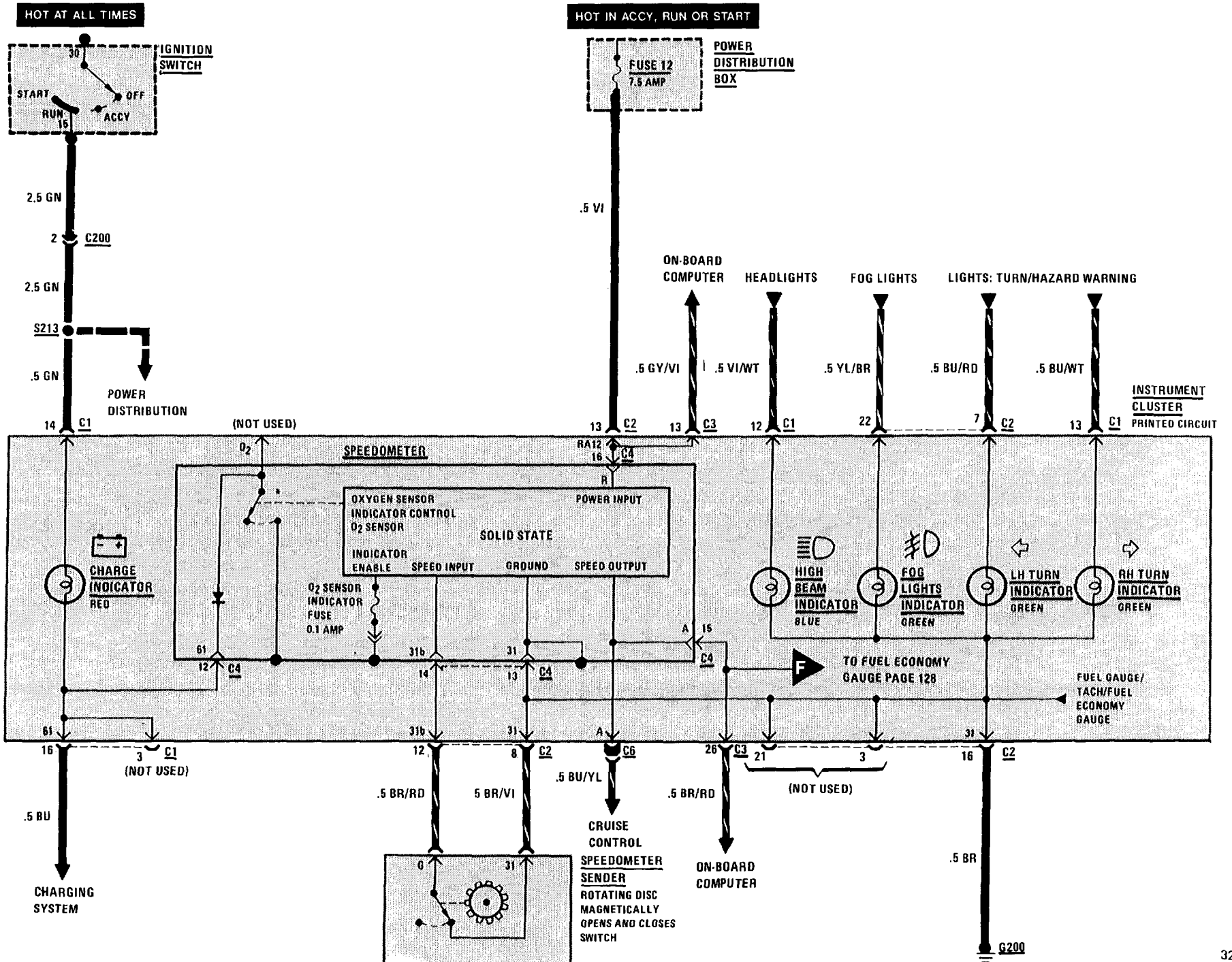


(For Component Location See Page 208)

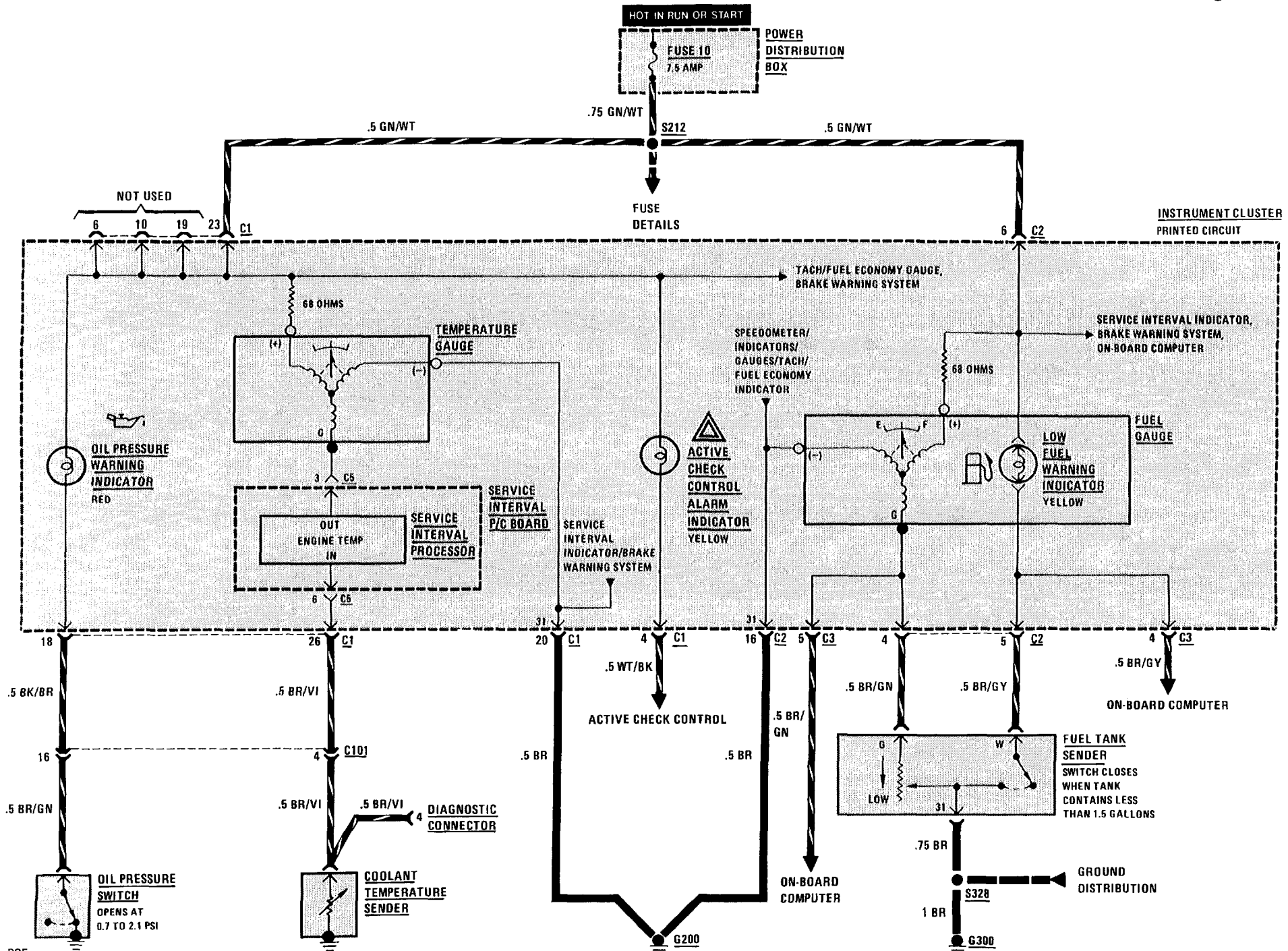


# 126 SPEEDOMETER/INDICATORS

(For Component Location See Page 214)



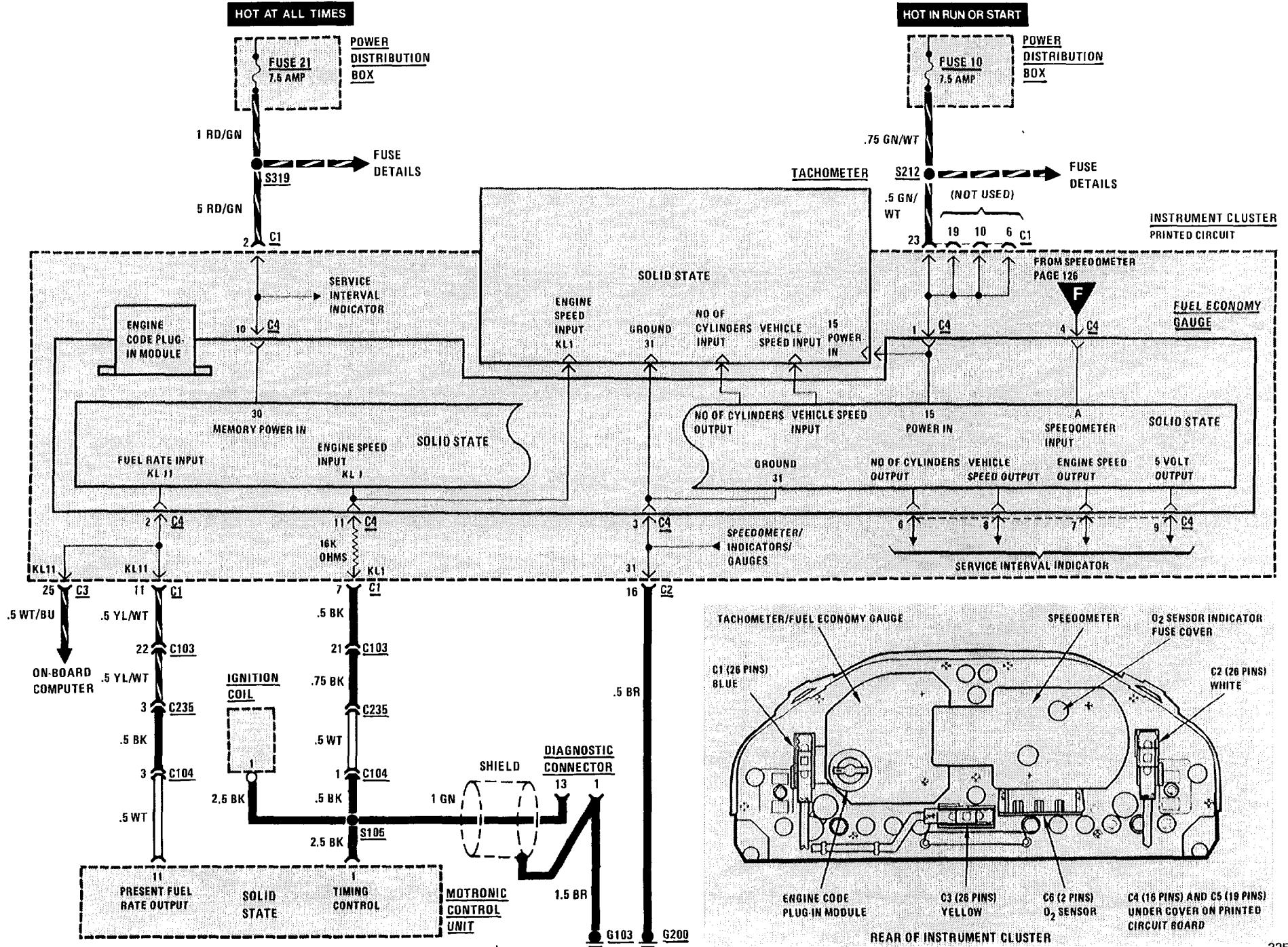
(For Component Locations See Page 214)



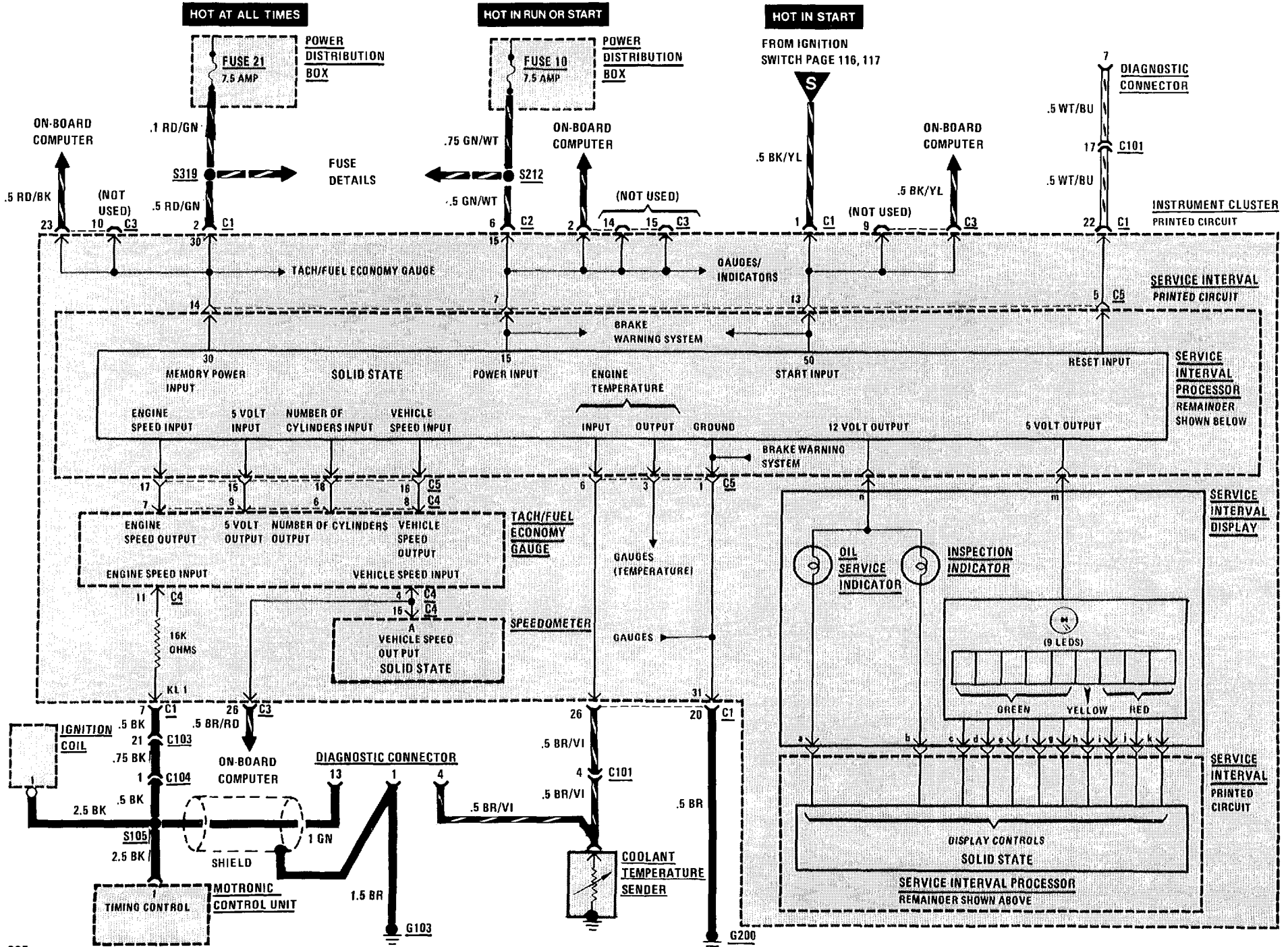


# 128 TACHOMETER/FUEL ECONOMY GAUGE

(For Component Location See Page 219)



(For Component Location See Page 214)





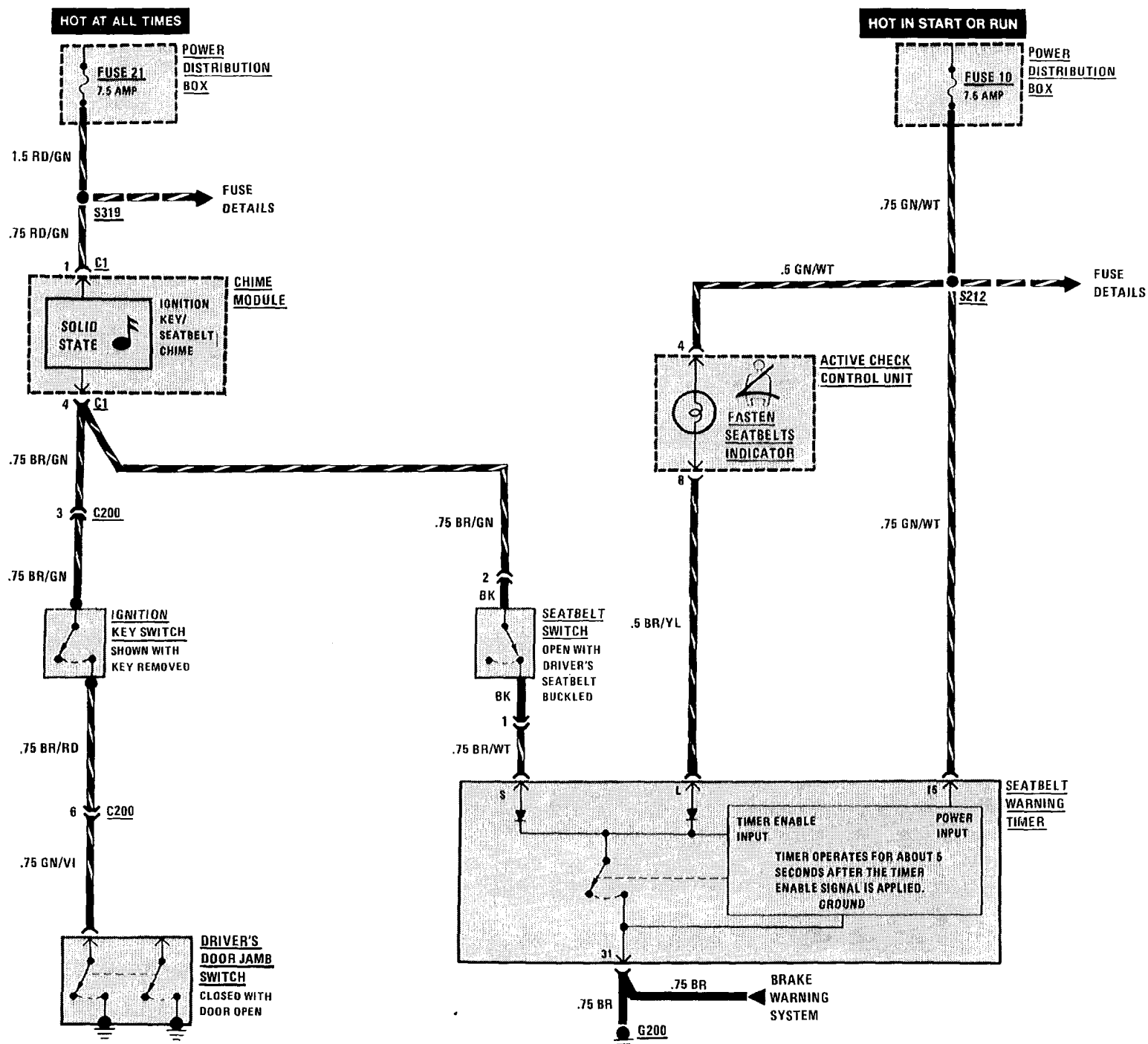






# 134 IGNITION KEY WARNING/SEATBELT WARNING

(For Component Location See Page 211)



(For Component Locations See Page 201)

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.
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 test 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.

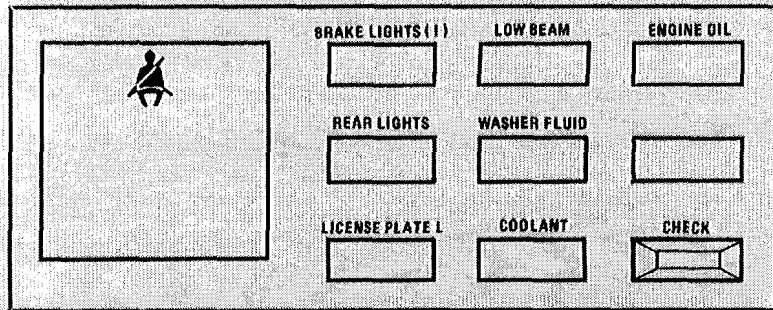
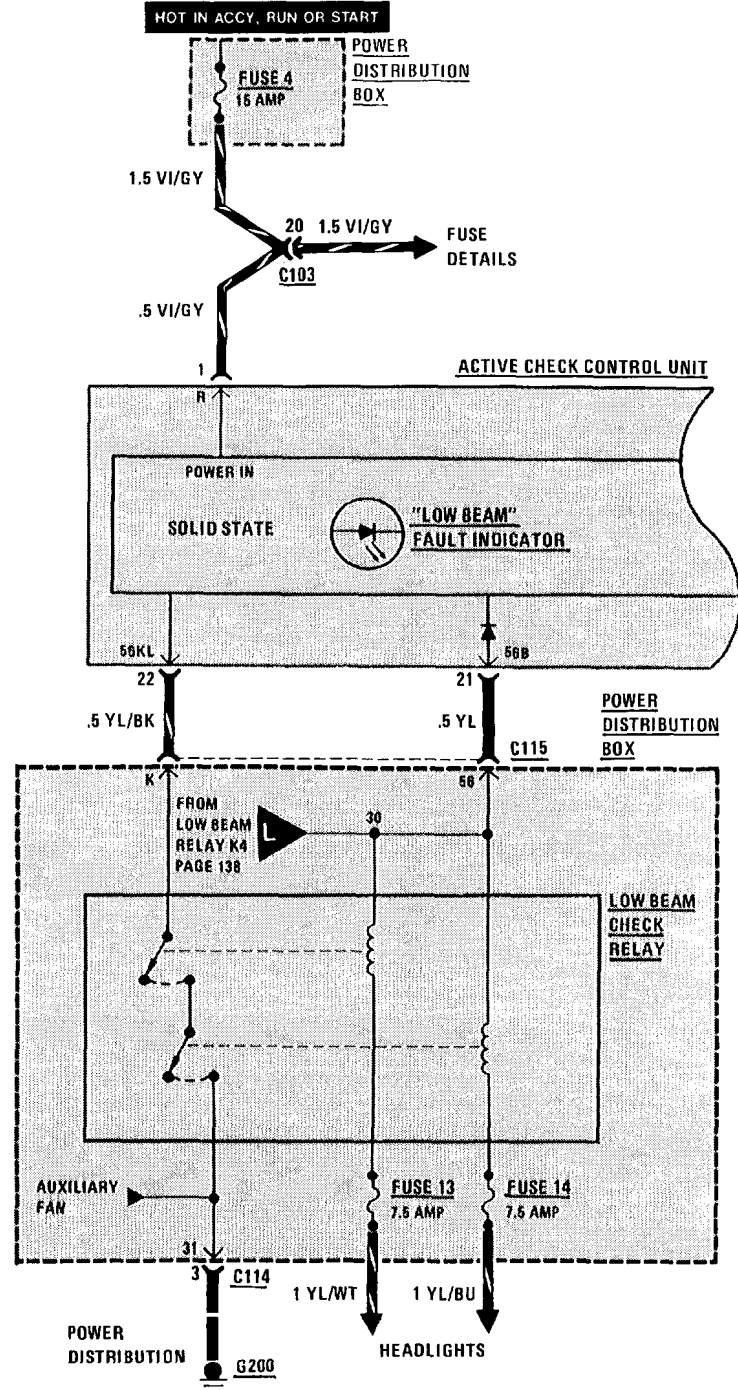


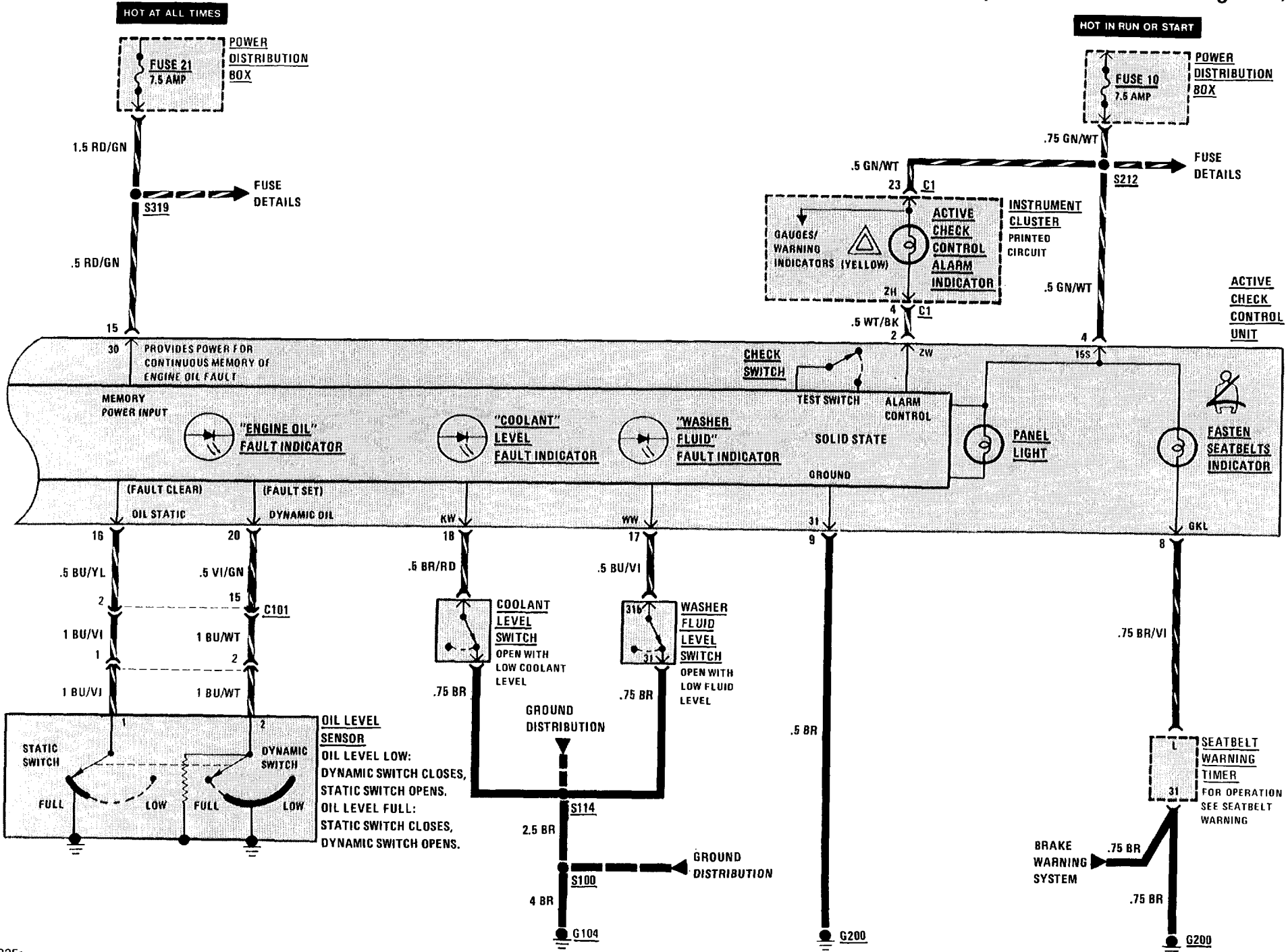
Figure 1 - Active Check Control Unit Above Rear View Mirror





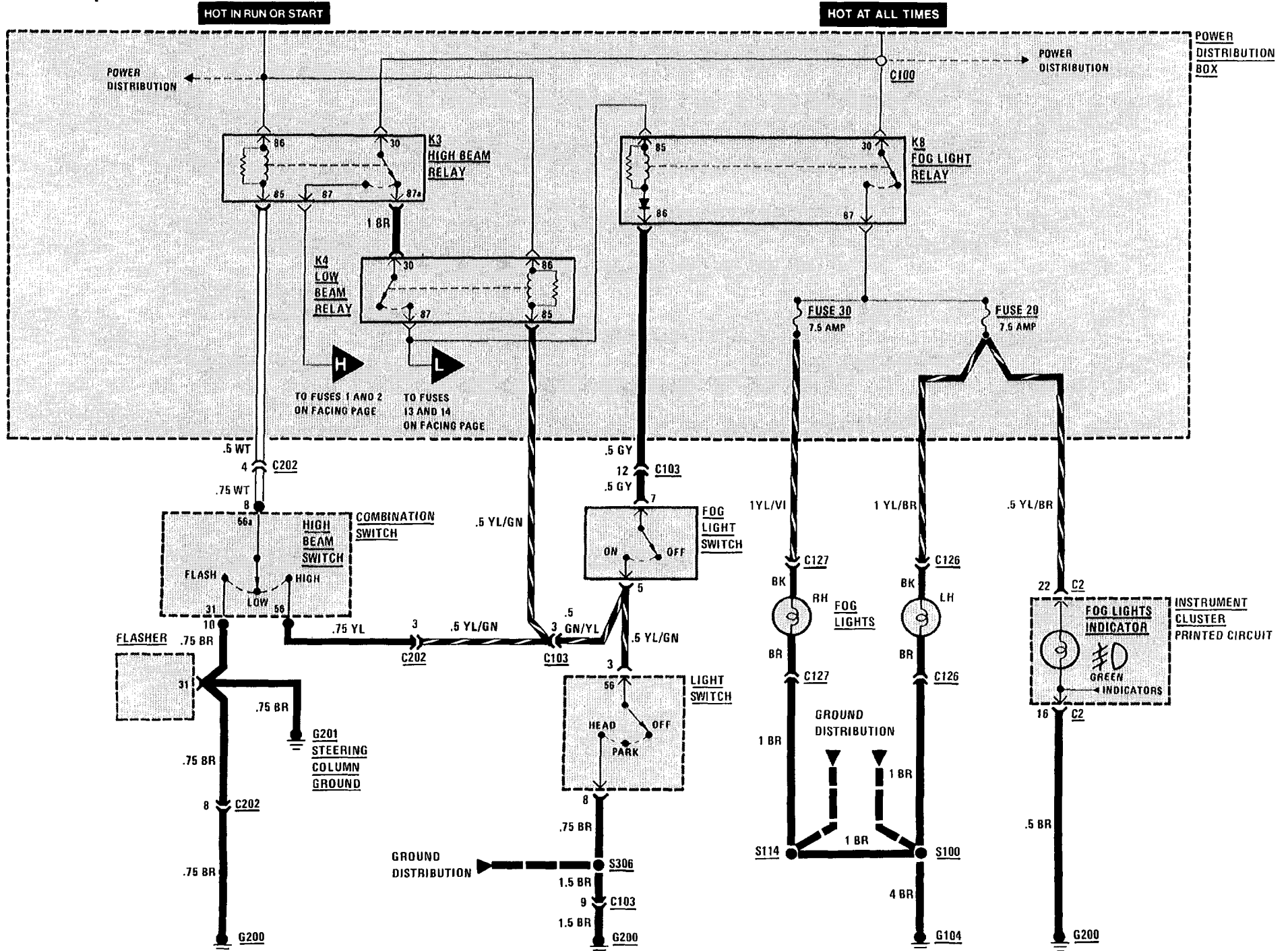


(For Component Locations See Page 201)



# 138 HEADLIGHTS (CONTROL)/FOGLIGHTS

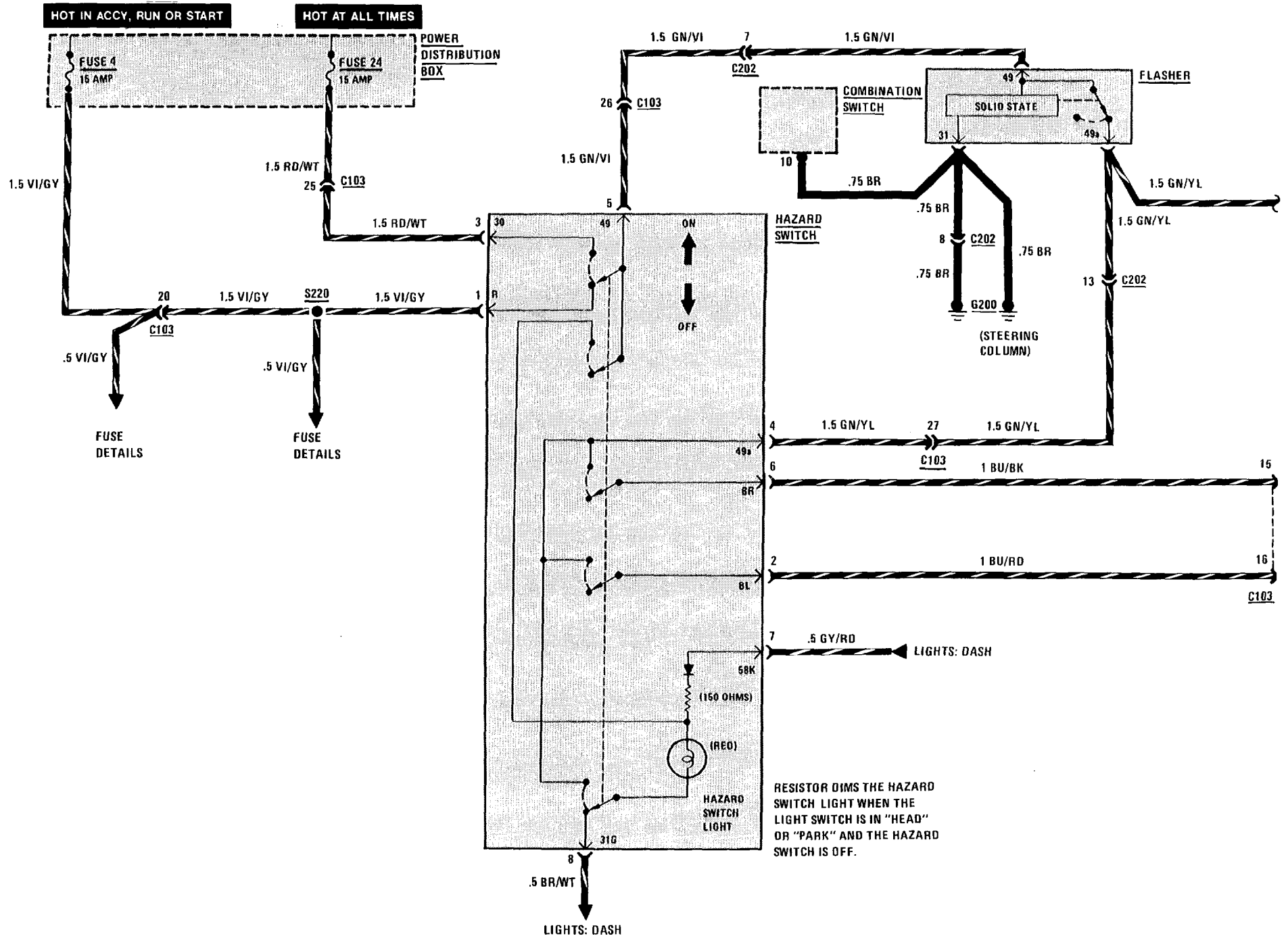
(For Component Location See Page 210)



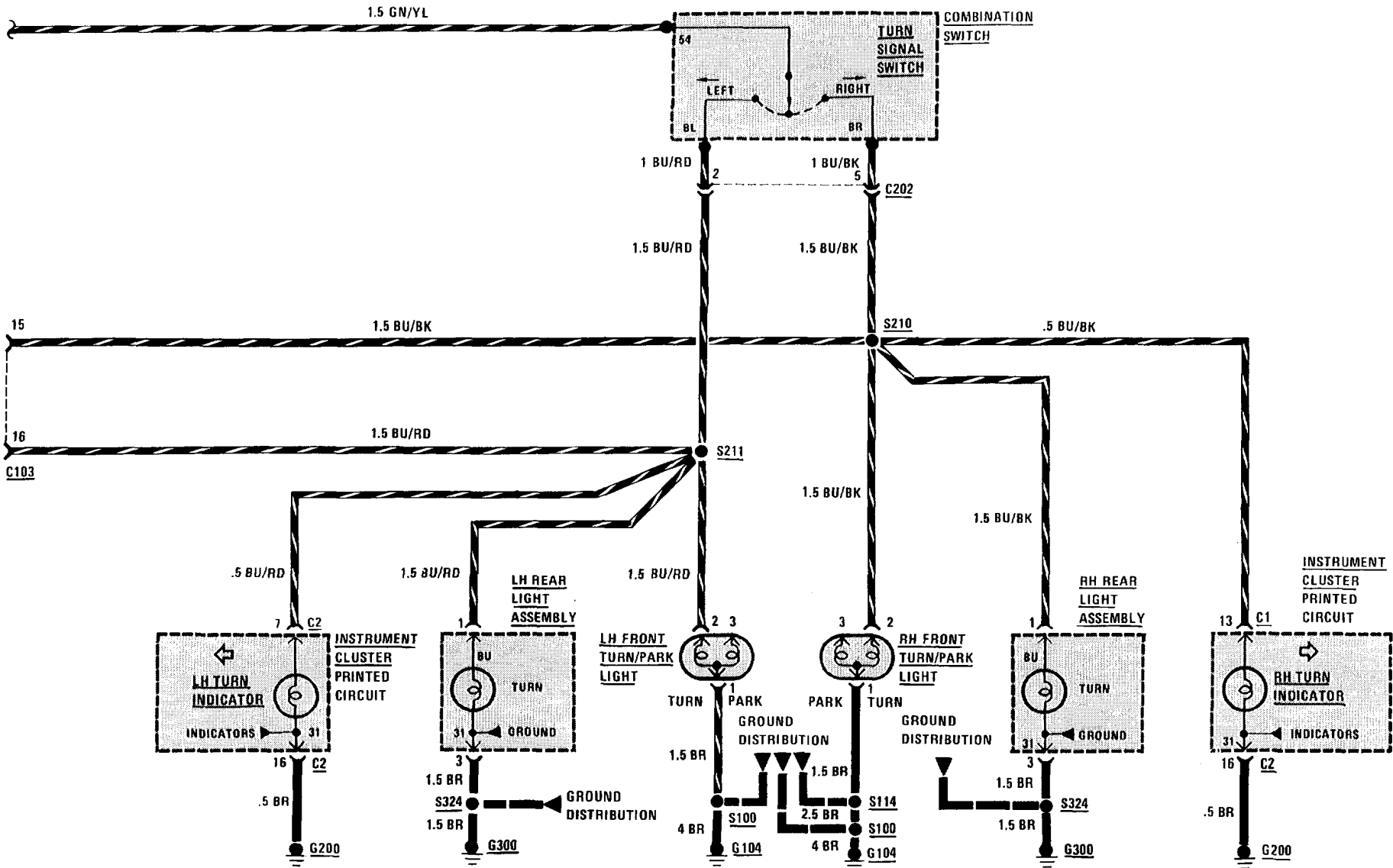


# 140 LIGHTS: TURN/HAZARD WARNING

(For Component Locations See Page 211)



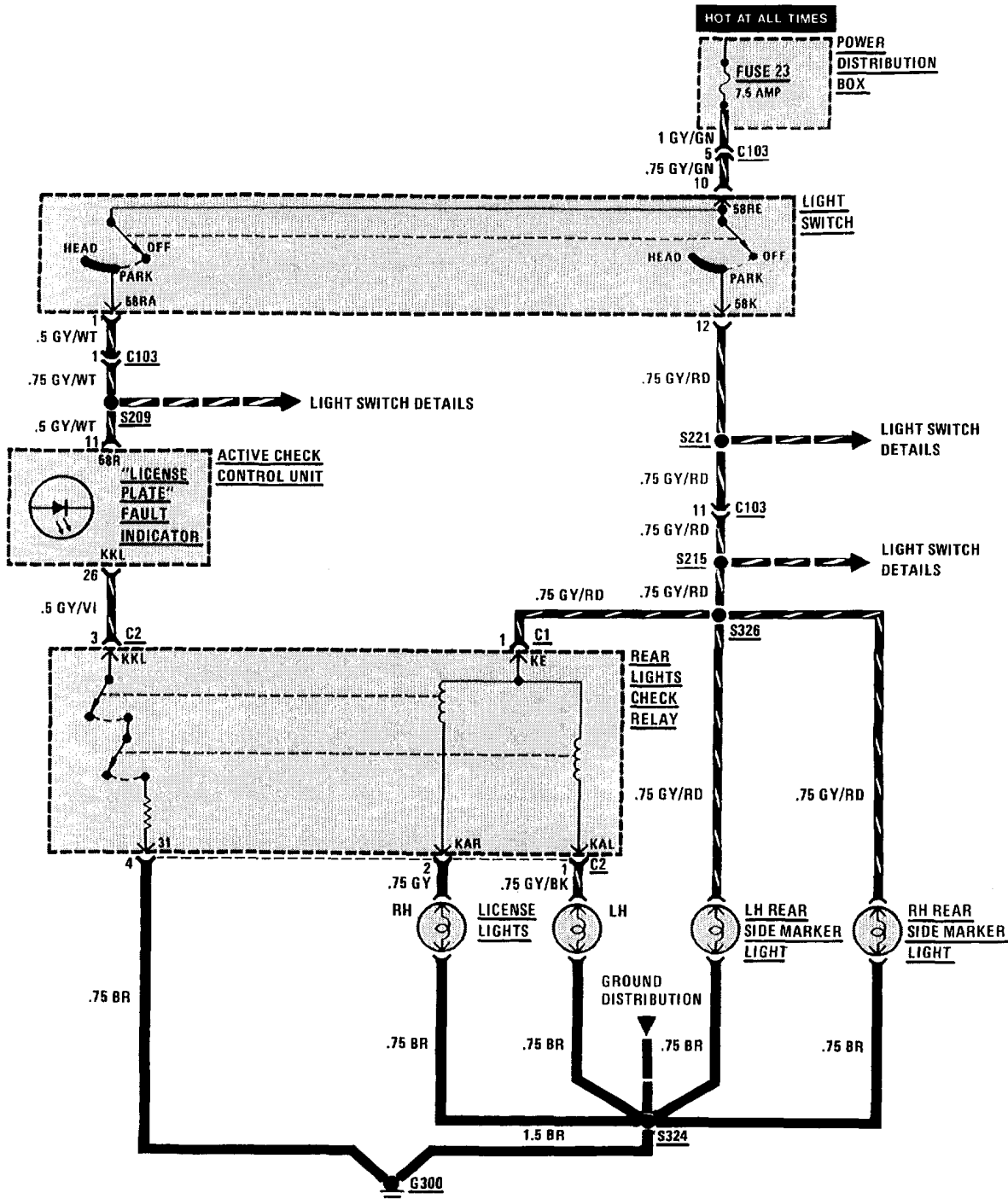
(For Component Locations See Page 211)





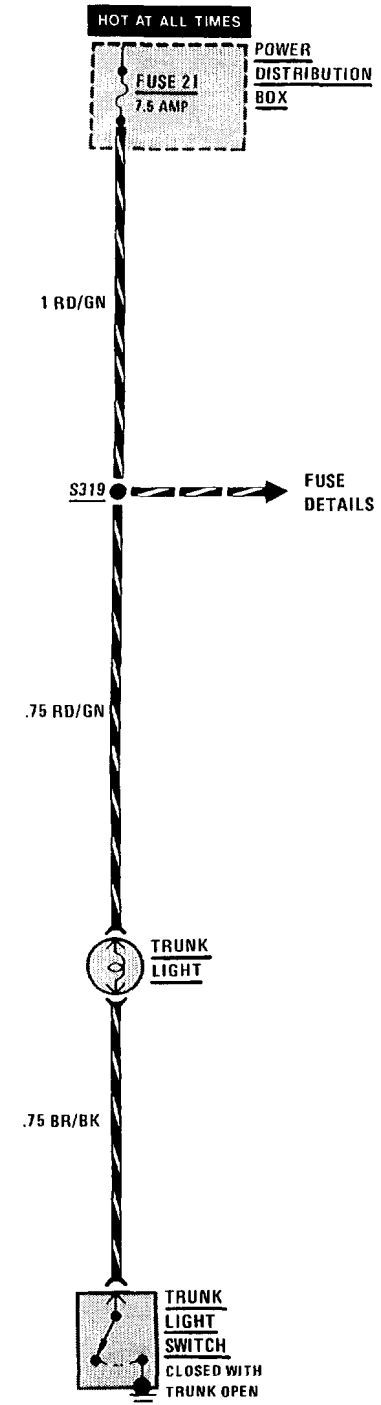
# LIGHTS: REAR MARKER/LICENSE

(For Component Locations See Page 211)



# TRUNK LIGHT 143

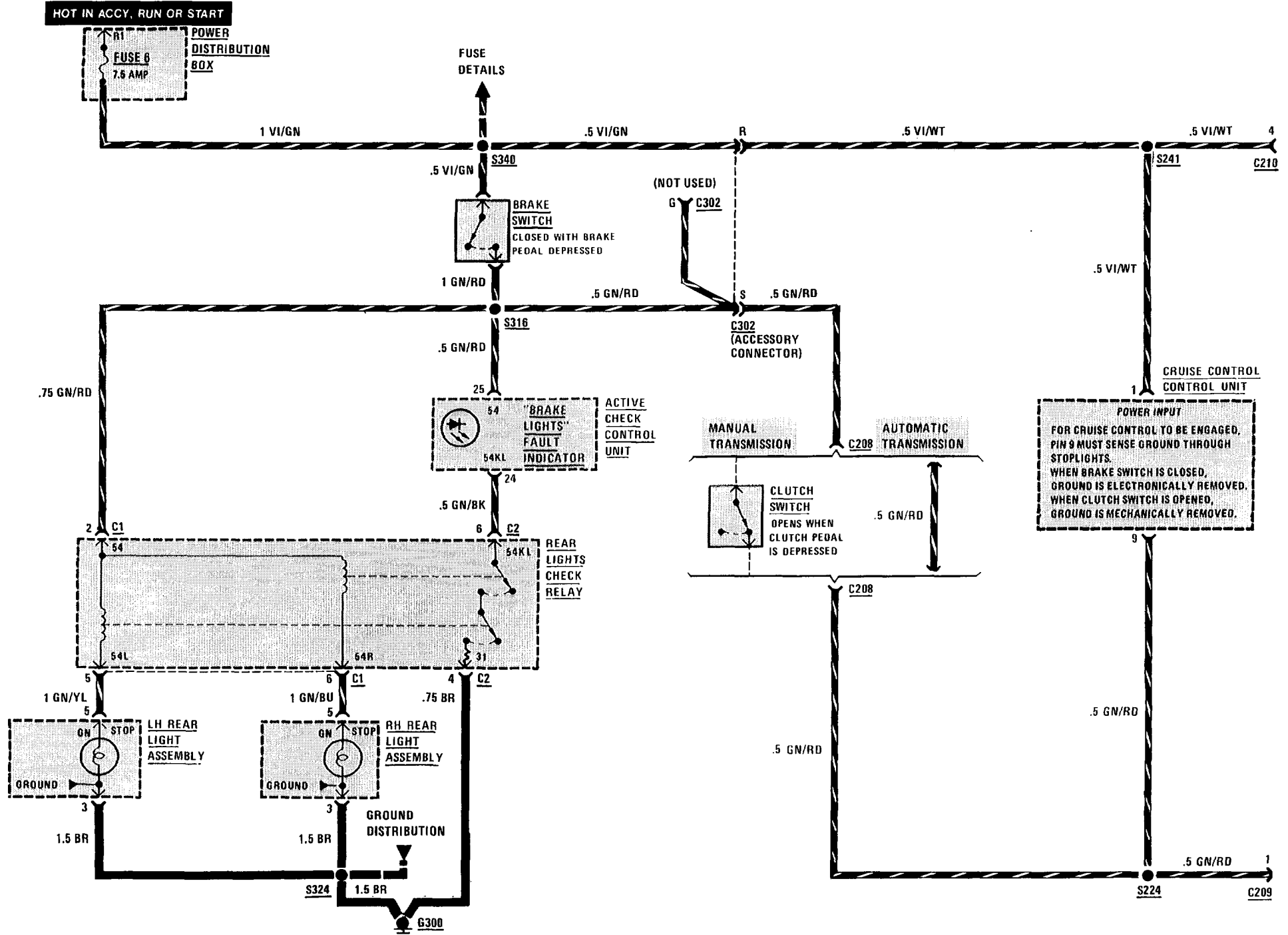
(For Component Locations See Page 211)



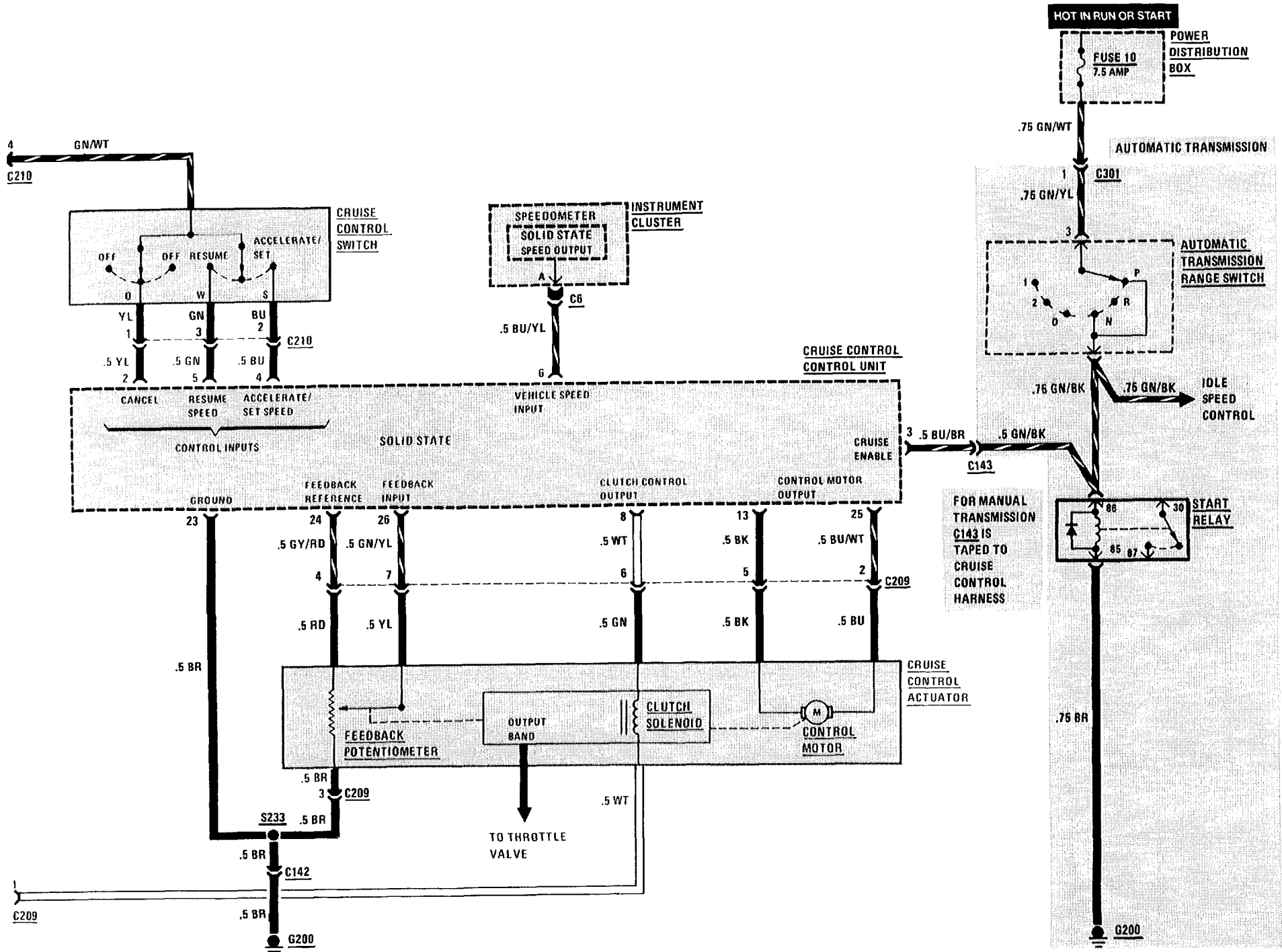


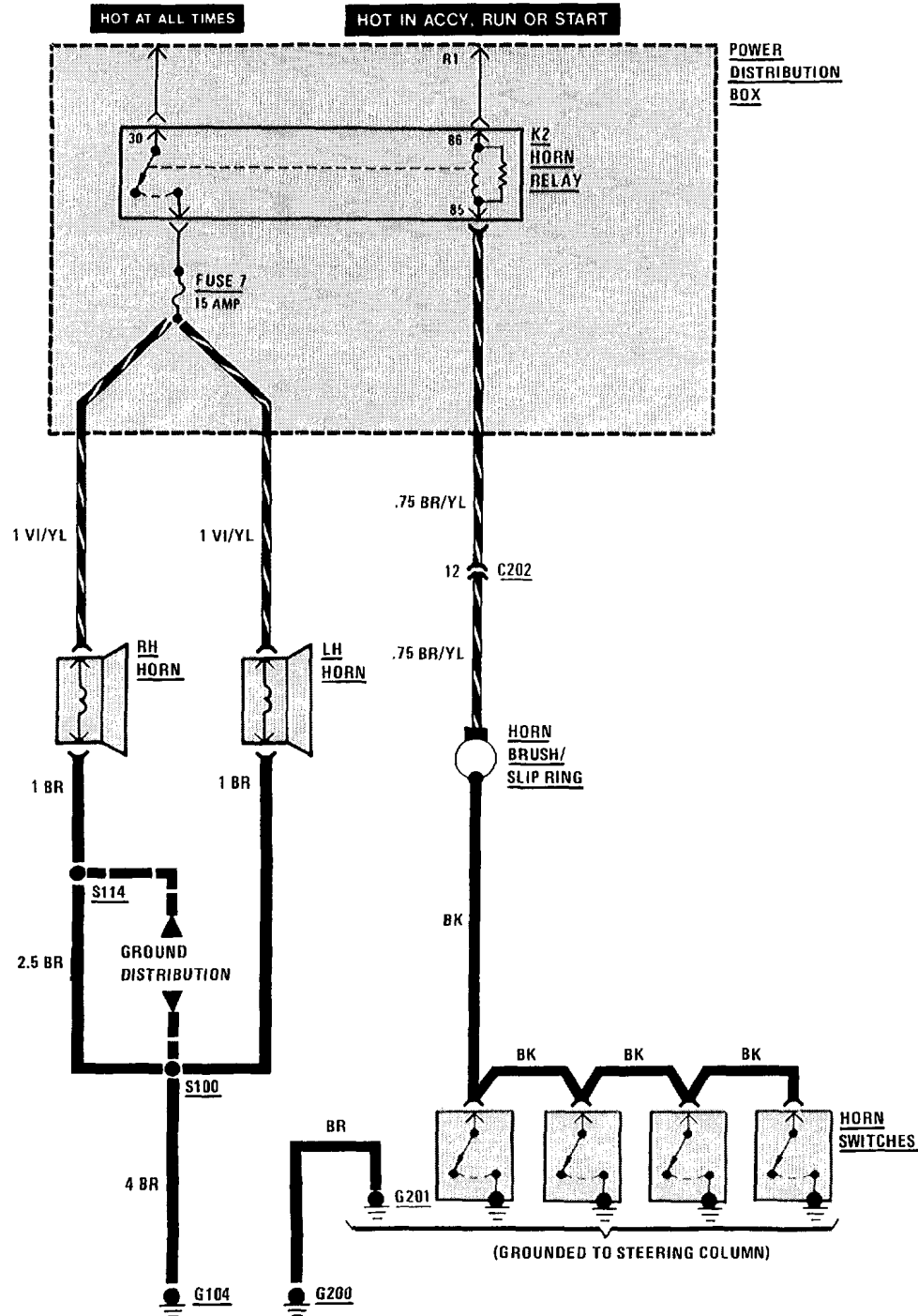
# 144 STOPLIGHTS/CRUISE CONTROL

(For Component Locations See Page 203)

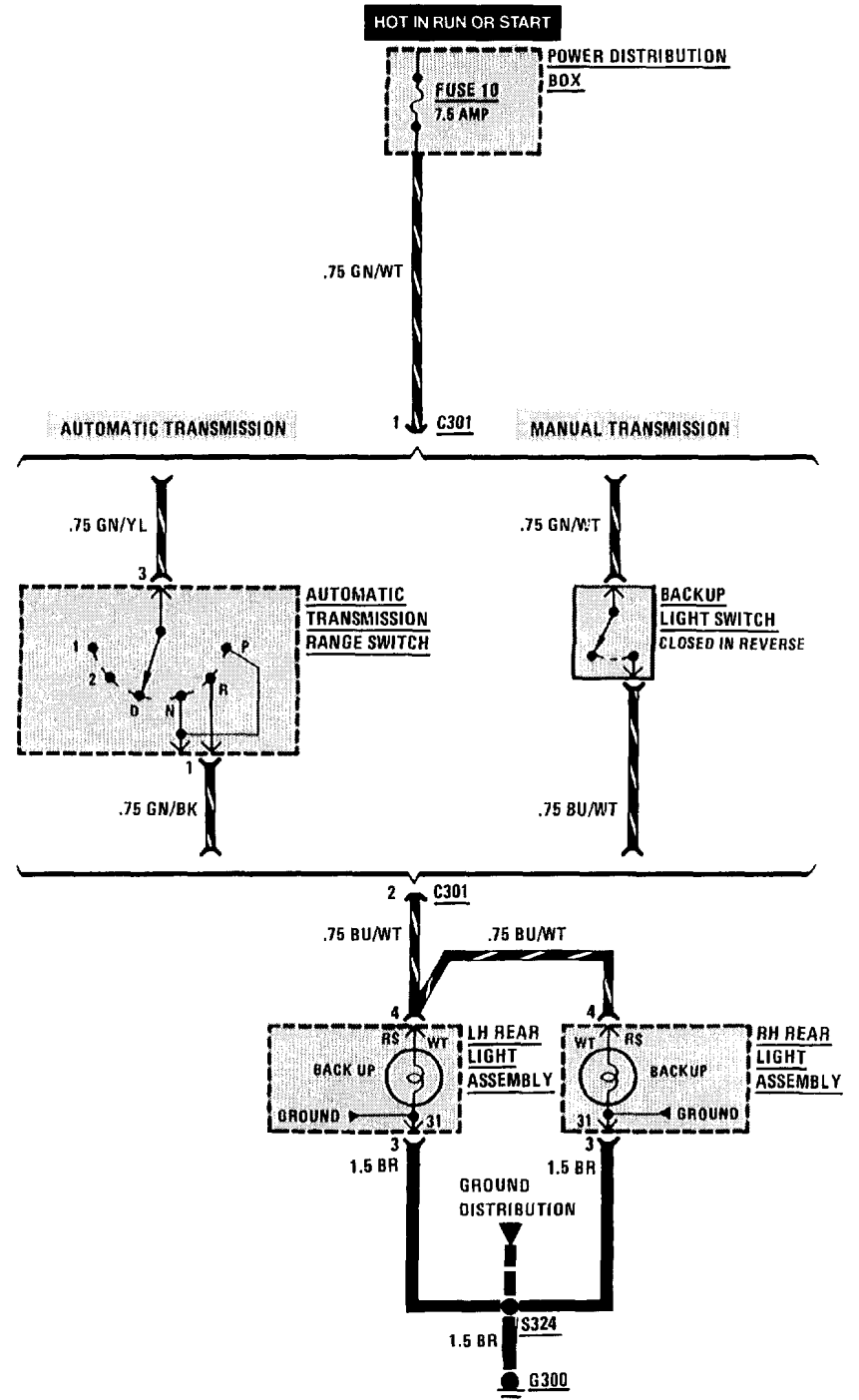


(For Component Locations See Page 203)

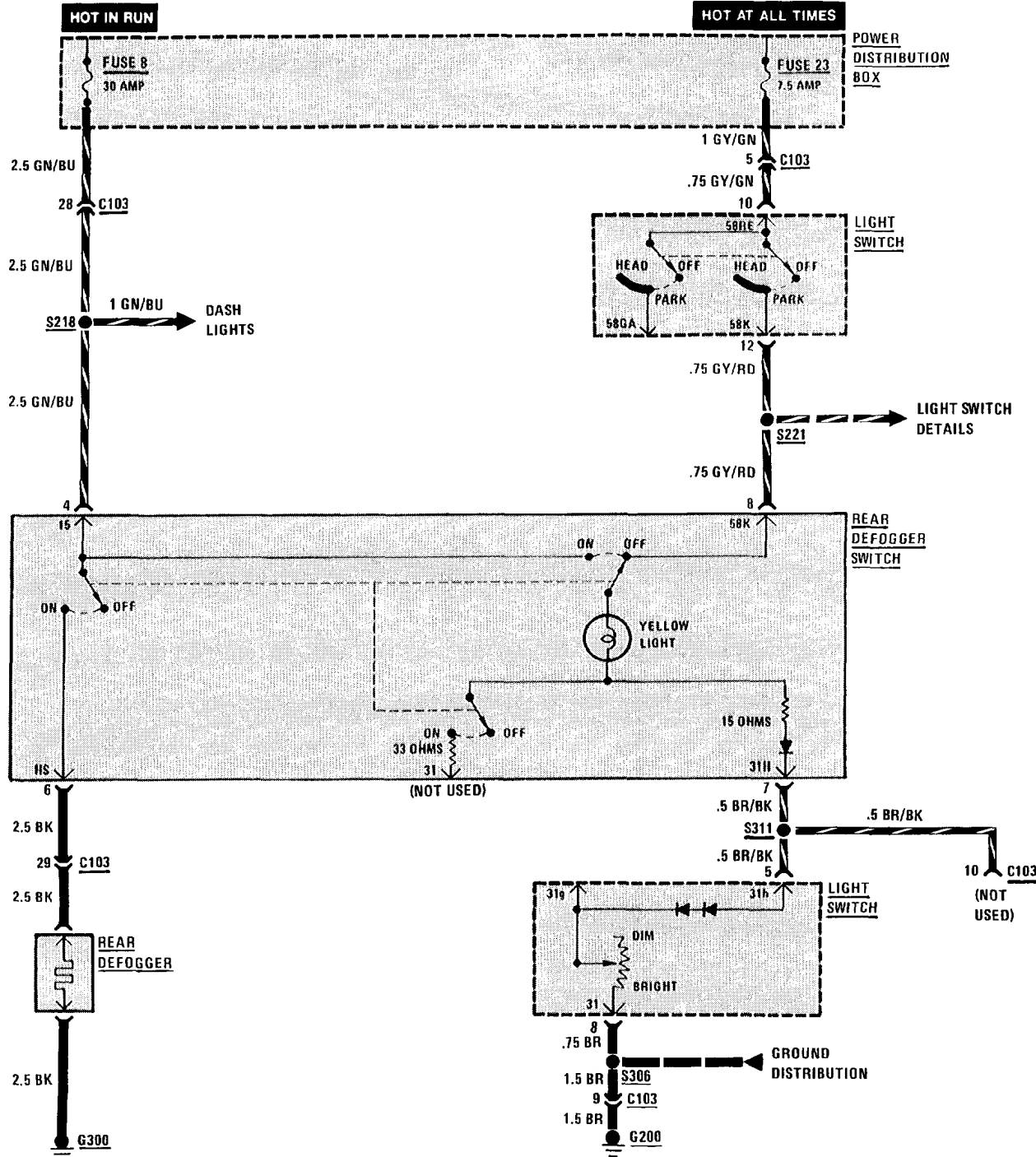




(For Component Location See Page 202)

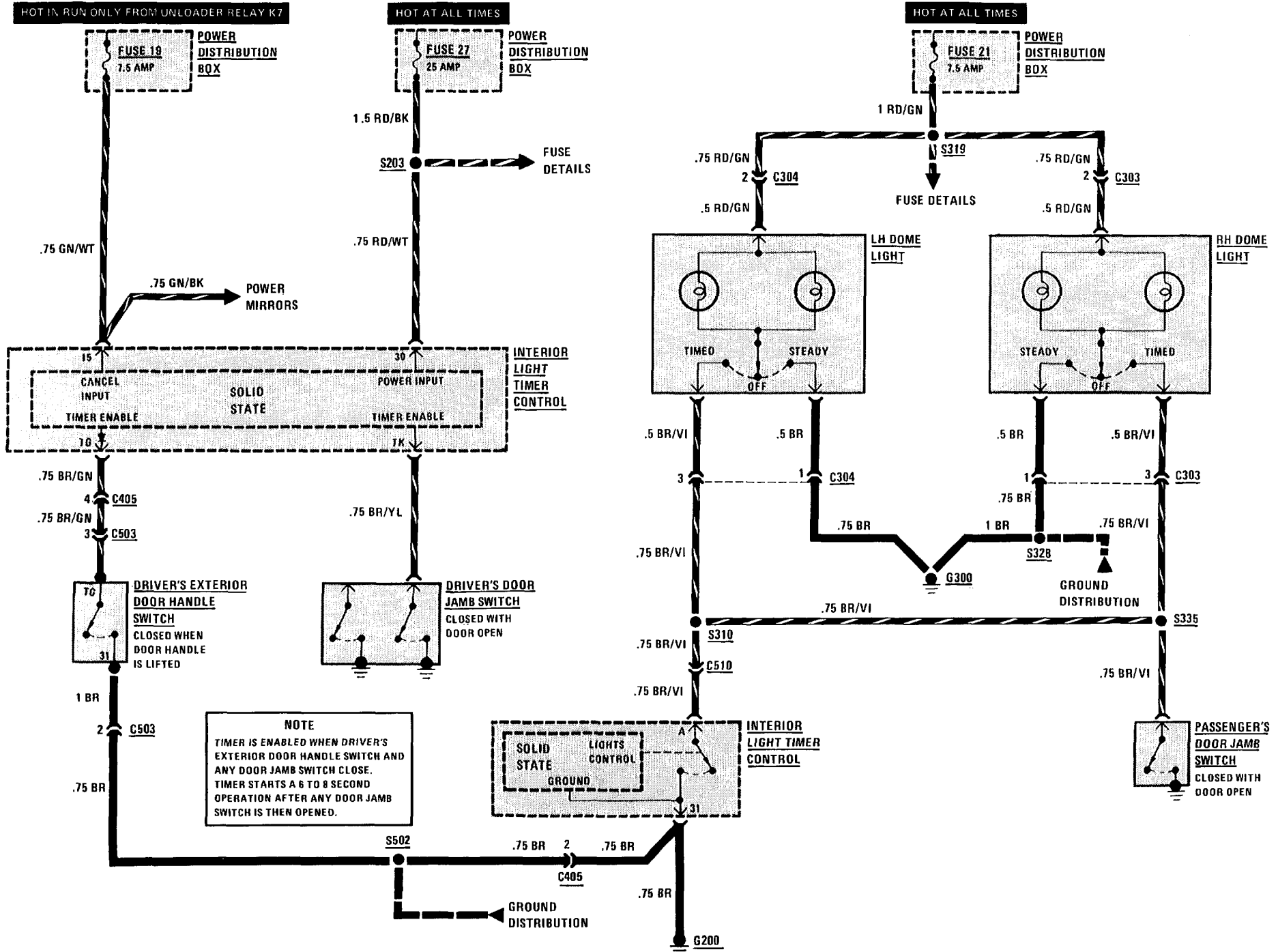


(For Component Location See Page 214)



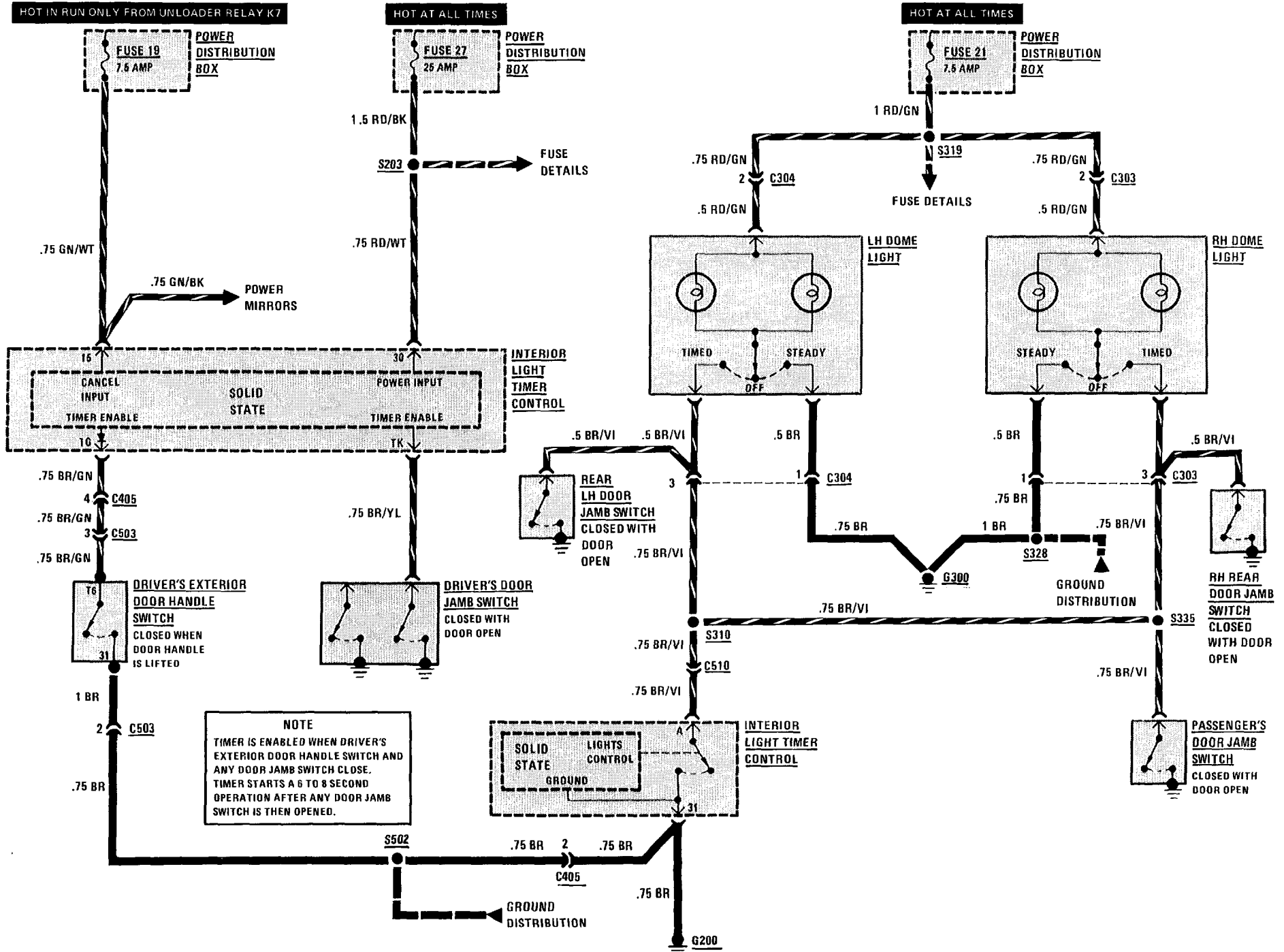


(For Component Location See Page 211)

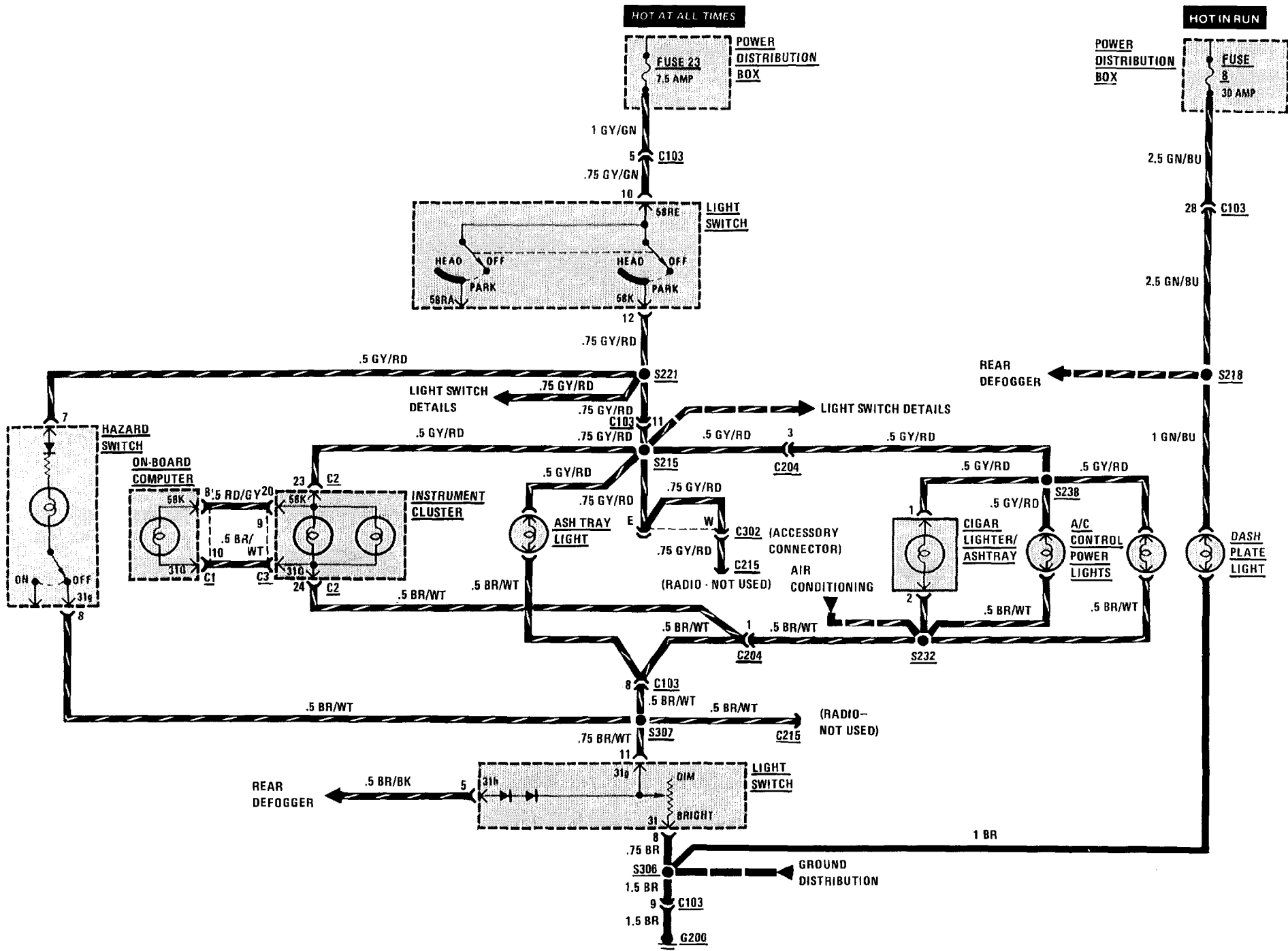


# 150 INTERIOR LIGHTS (4 DOOR)

(For Component Location See Page 211)



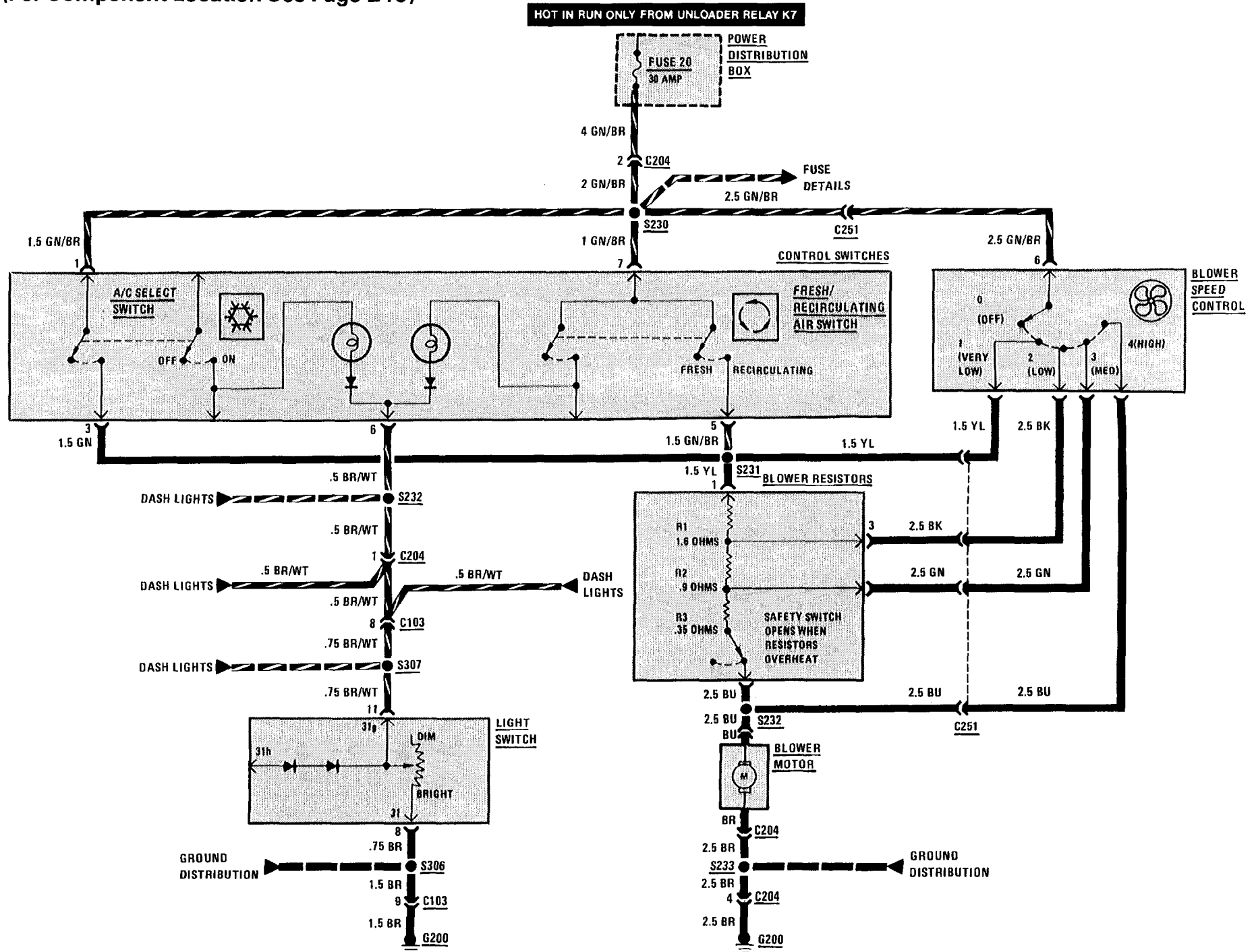
(For Component Locations See Page 203)



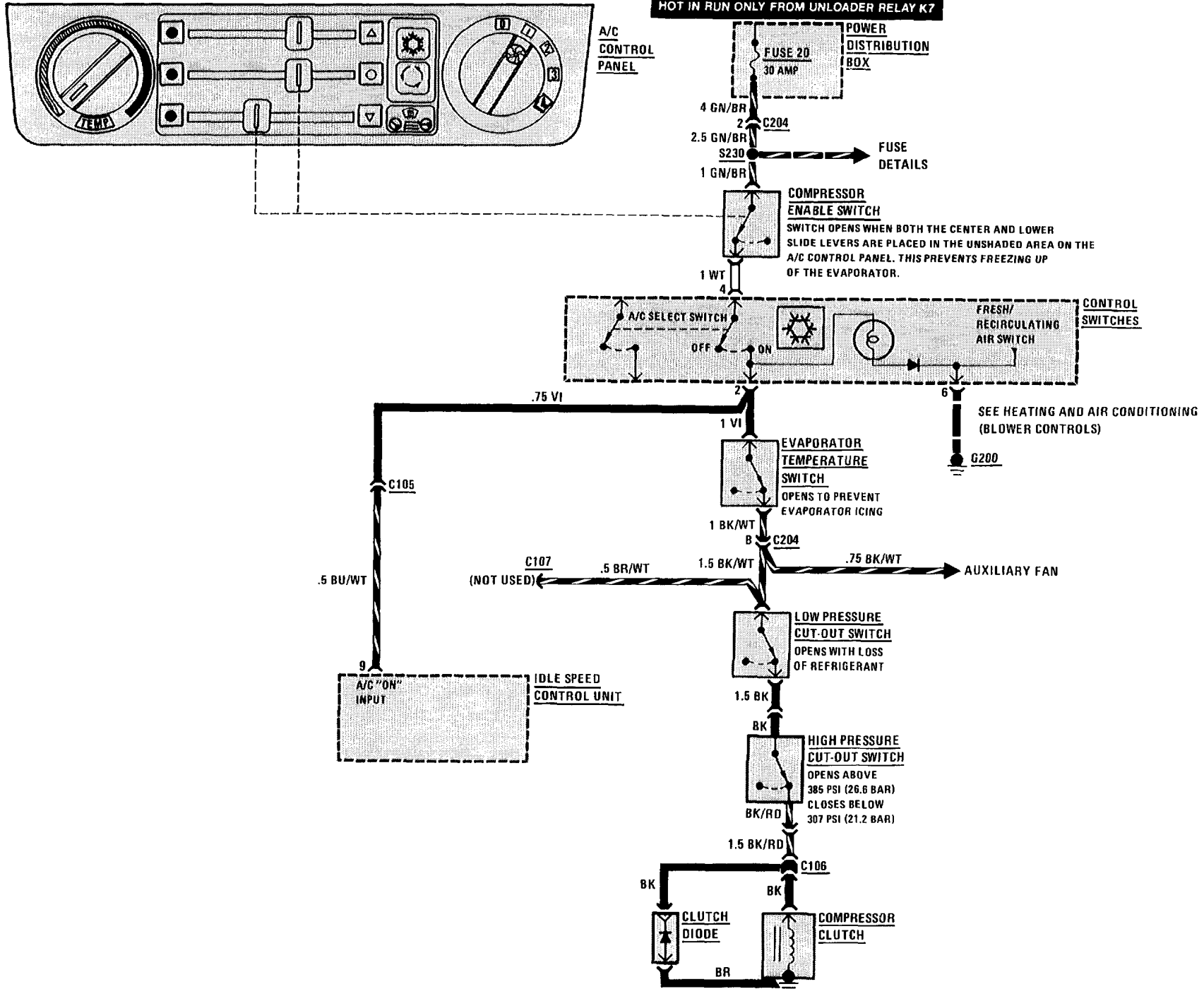


# 152 HEATING AND AIR CONDITIONING (BLOWER CONTROLS)

(For Component Location See Page 210)

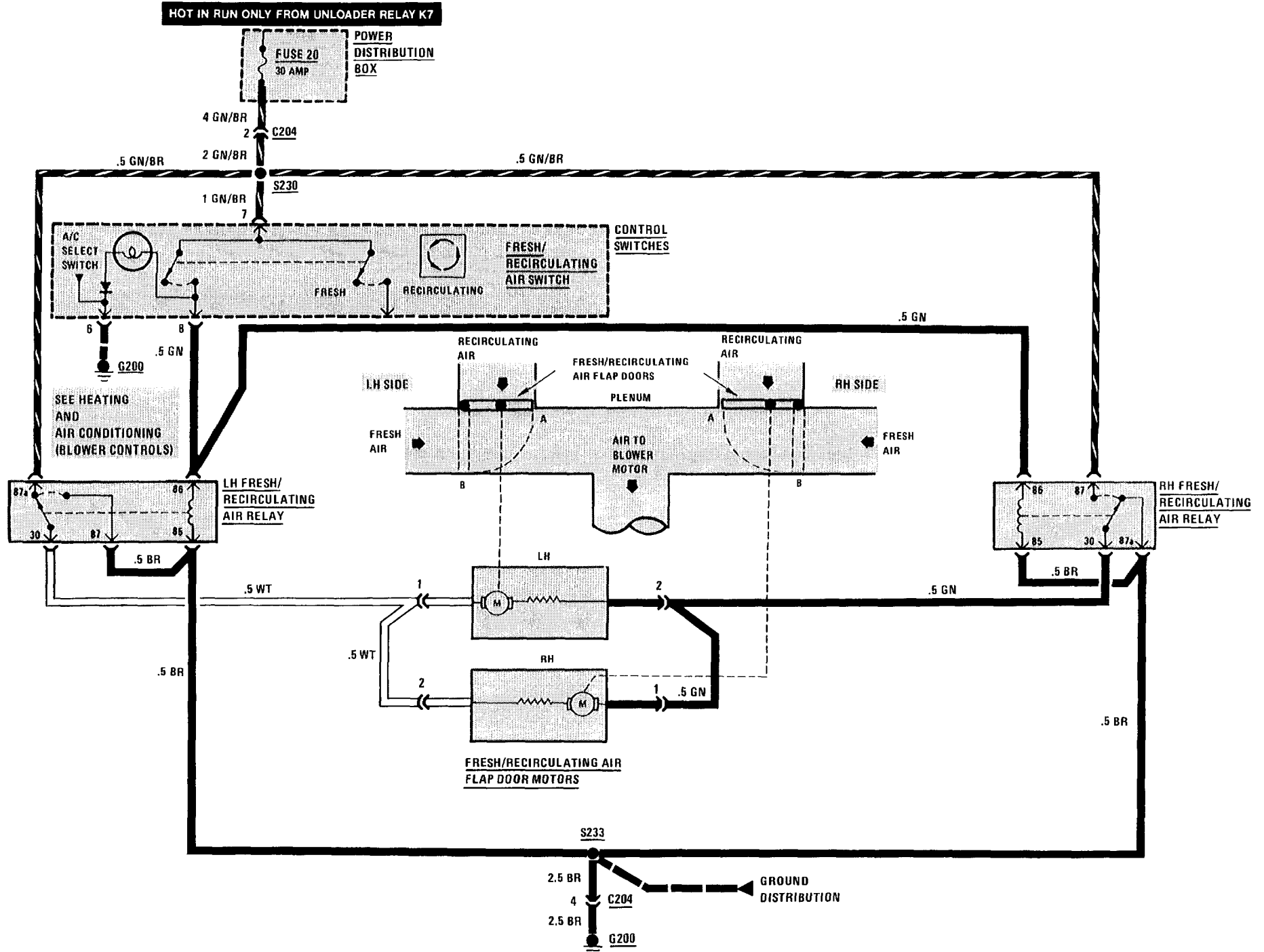


(For Component Location See Page 210)

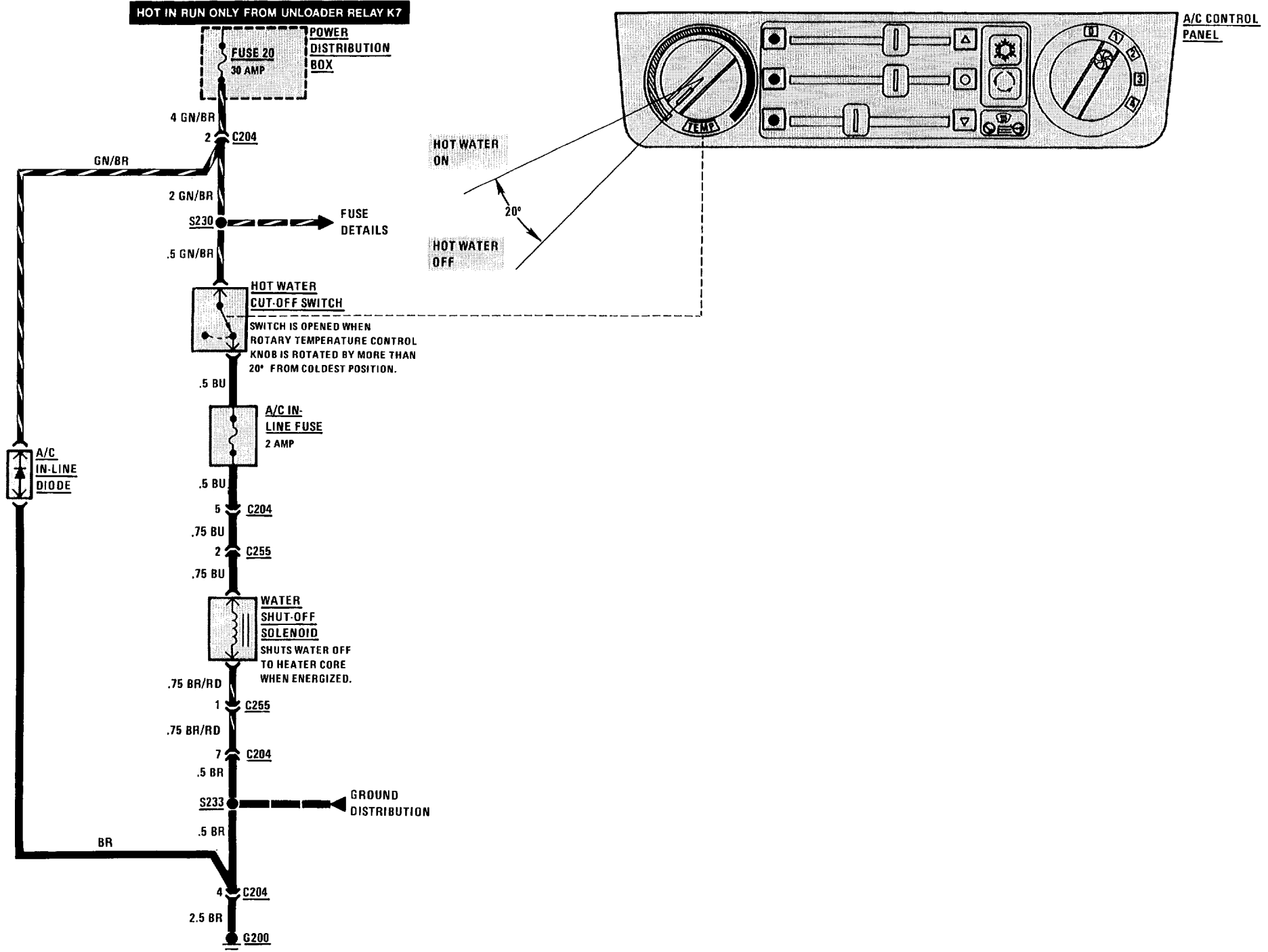


# 154 HEATING AND AIR CONDITIONING (FRESH/RECIRCULATING AIR CONTROLS)

(For Component Location See Page 210)

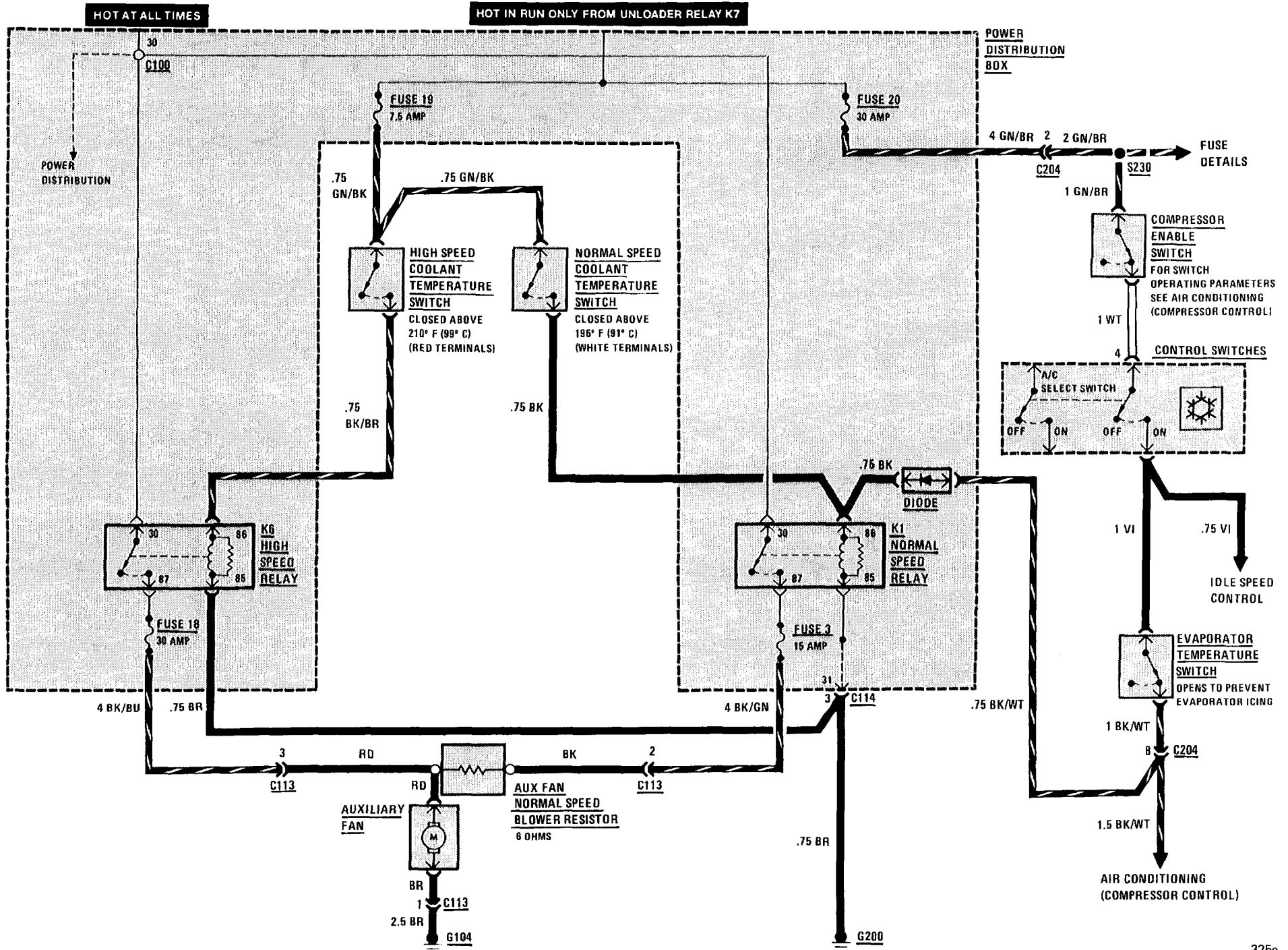


(For Component Location See Page 210)

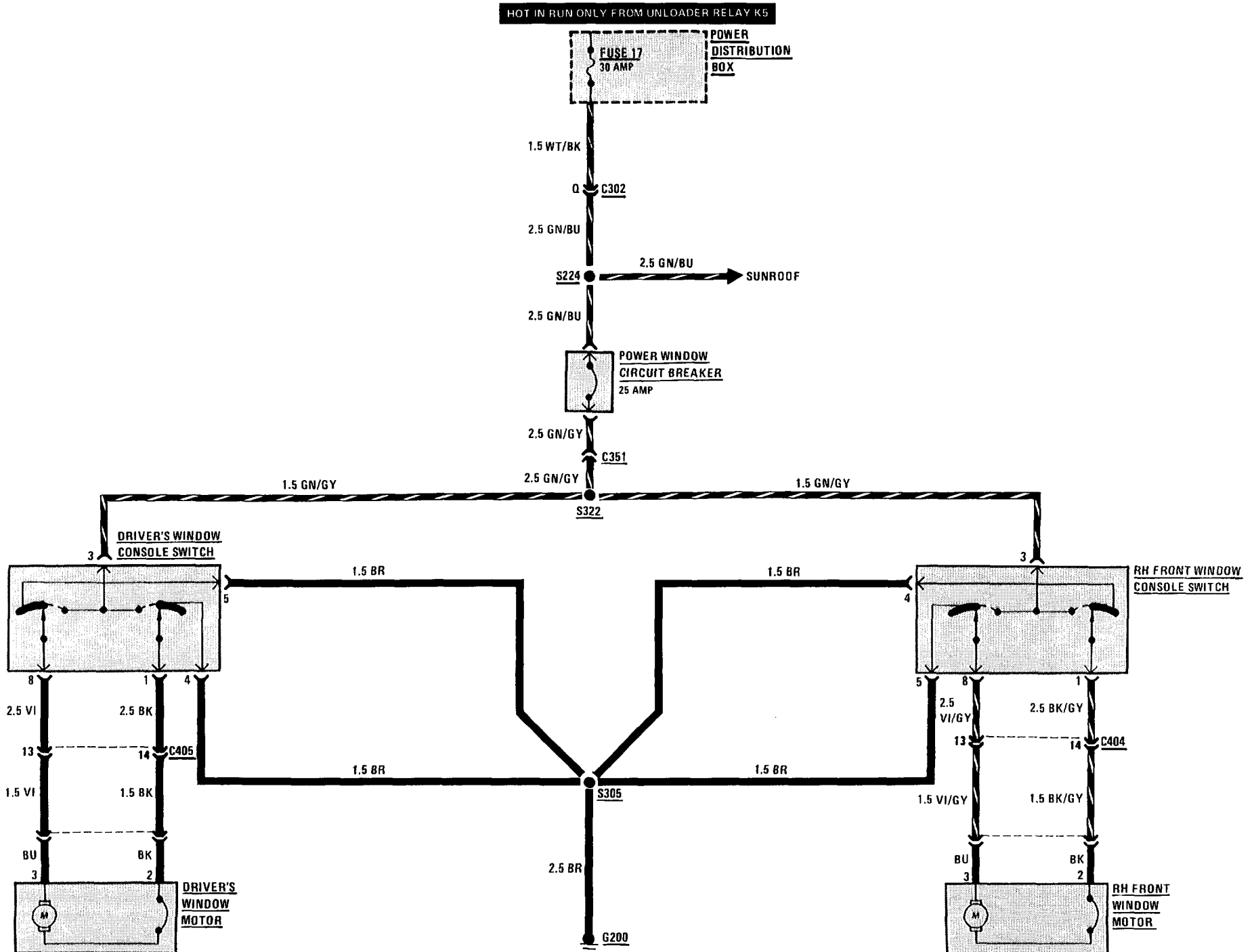


# 156 AUXILIARY FAN

(For Component Locations See Page 201)

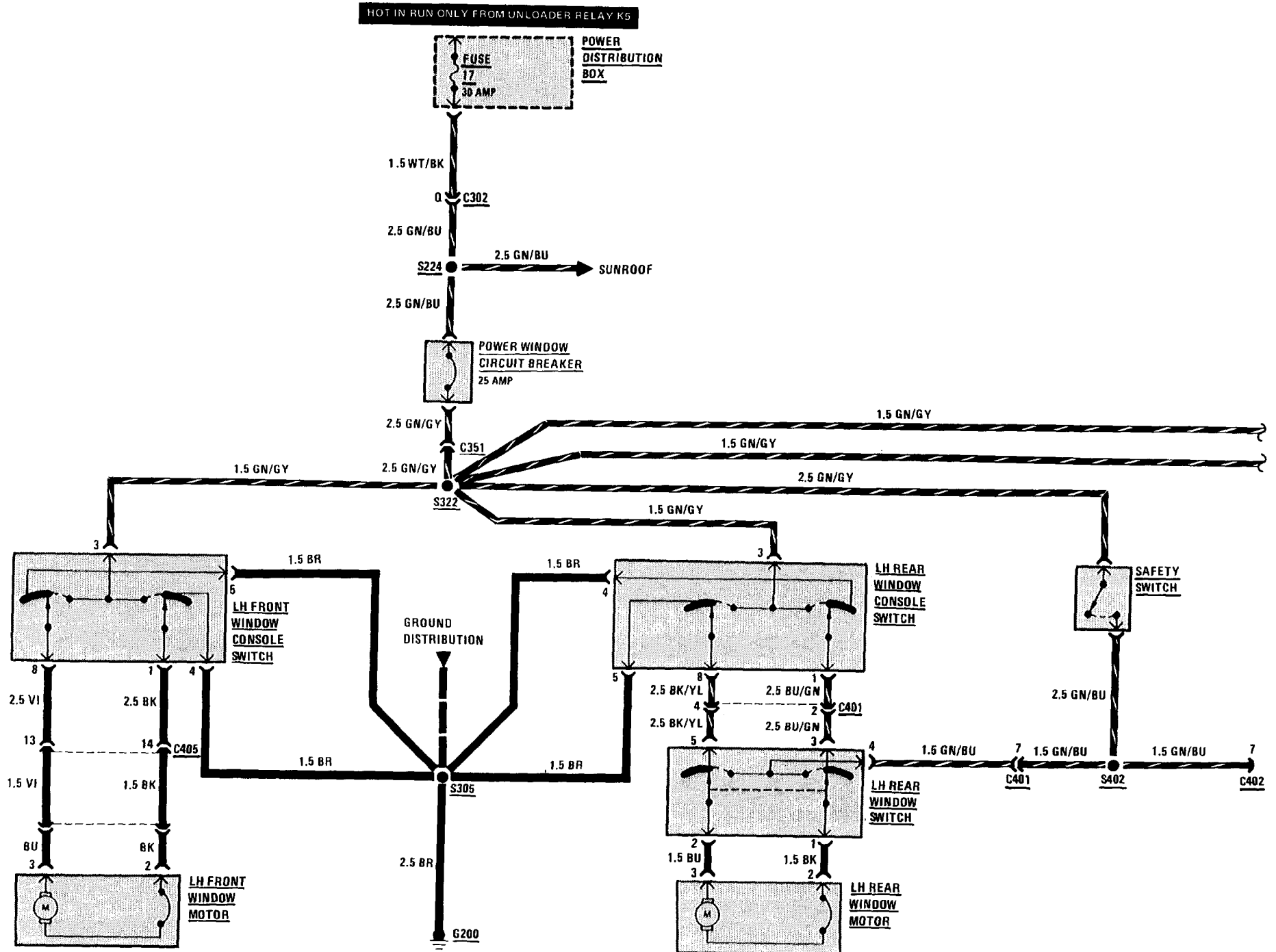


(For Component Locations See Page 213)

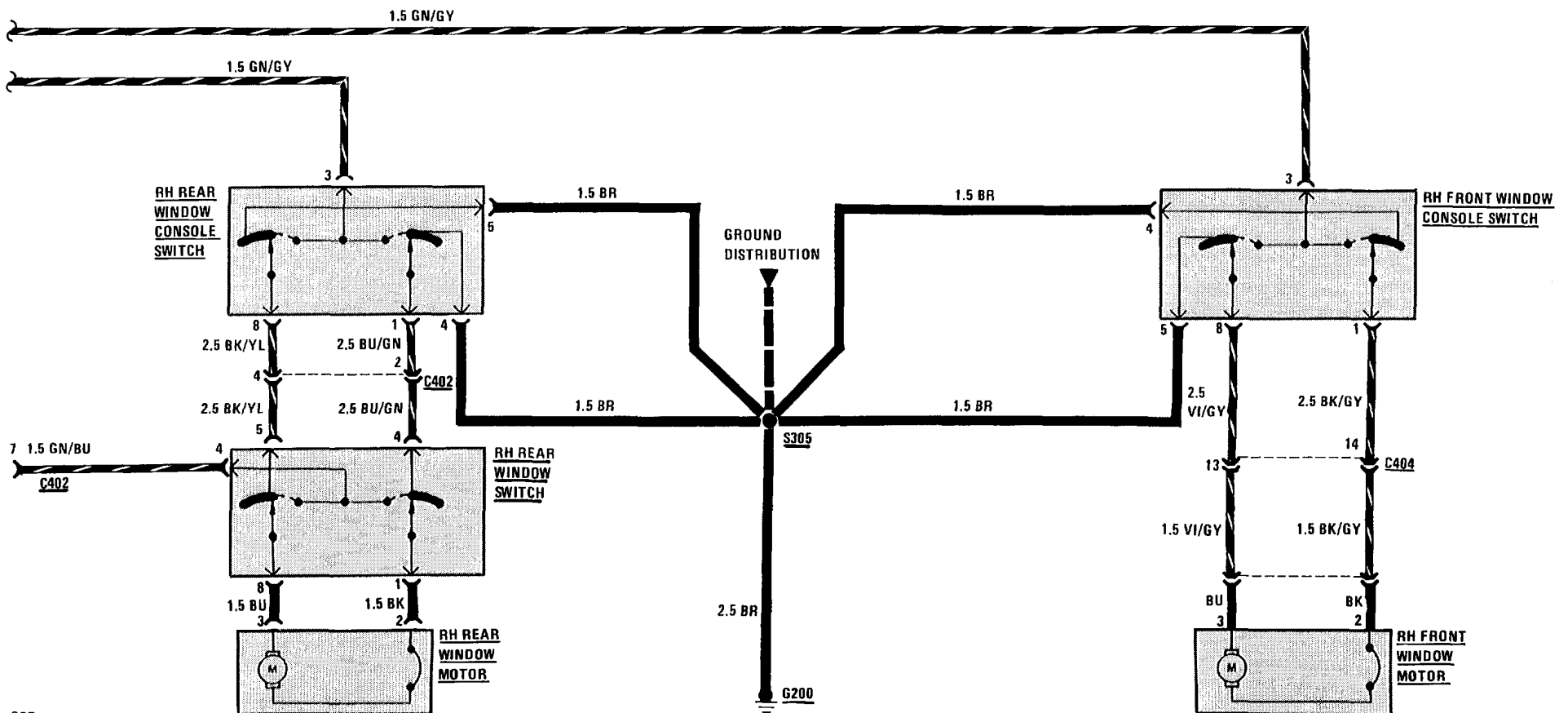


# 158 POWER WINDOWS (4 DOOR)

(For Component Locations See Page 213)



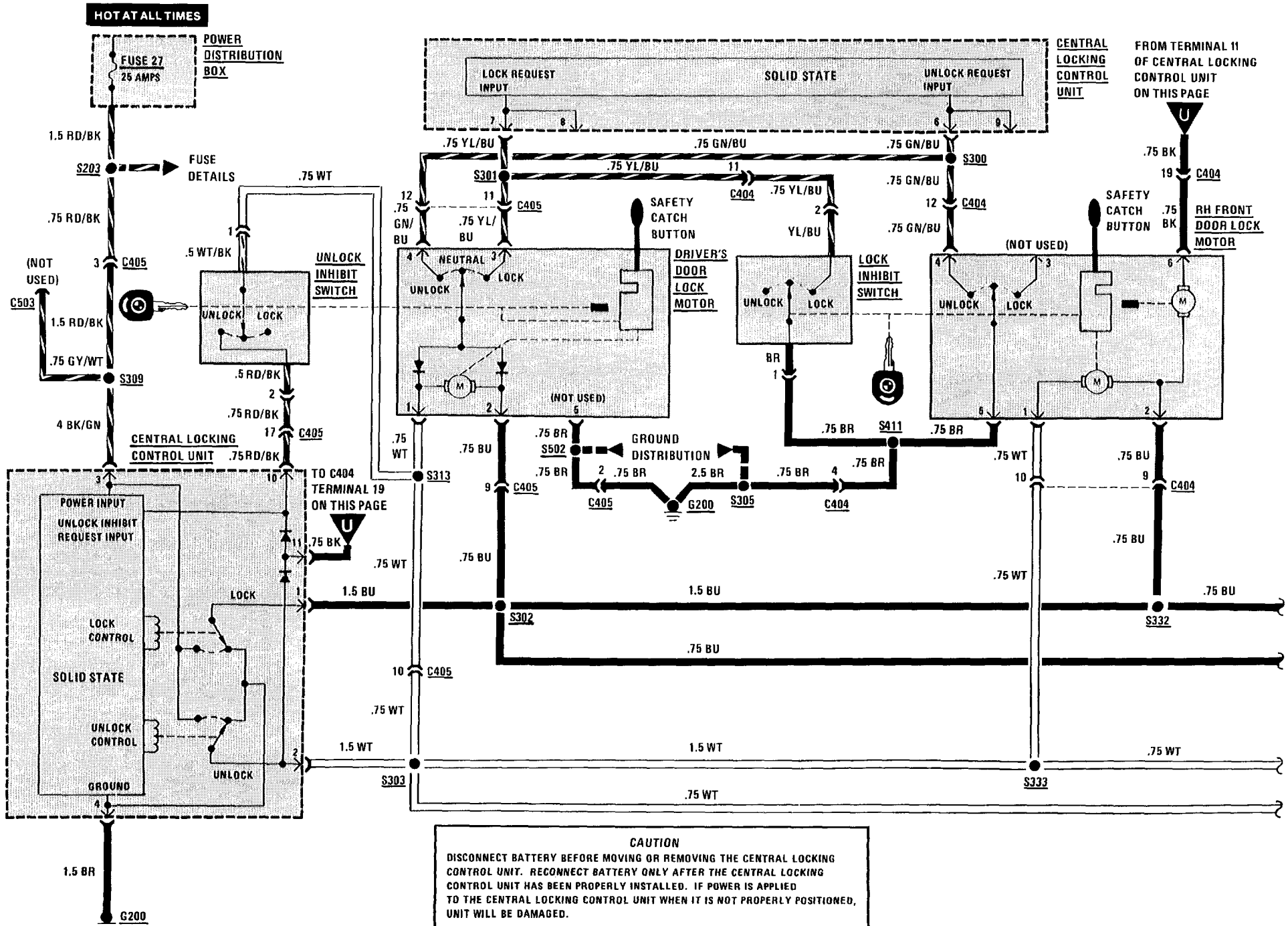
(For Component Locations See Page 213)



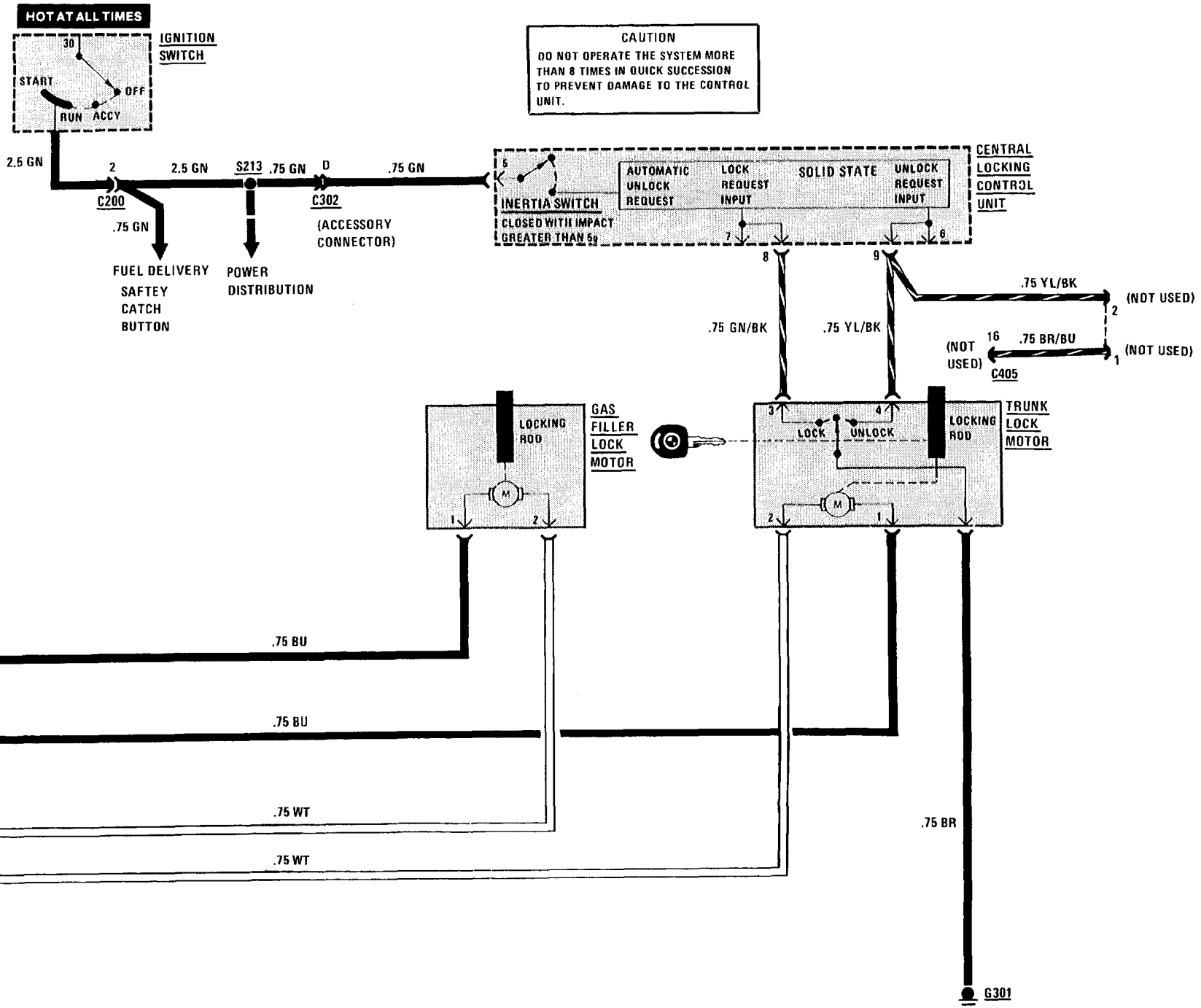


# 160 CENTRAL LOCKING 2 DOOR (SELECT)

(For Component Locations See Page 202)

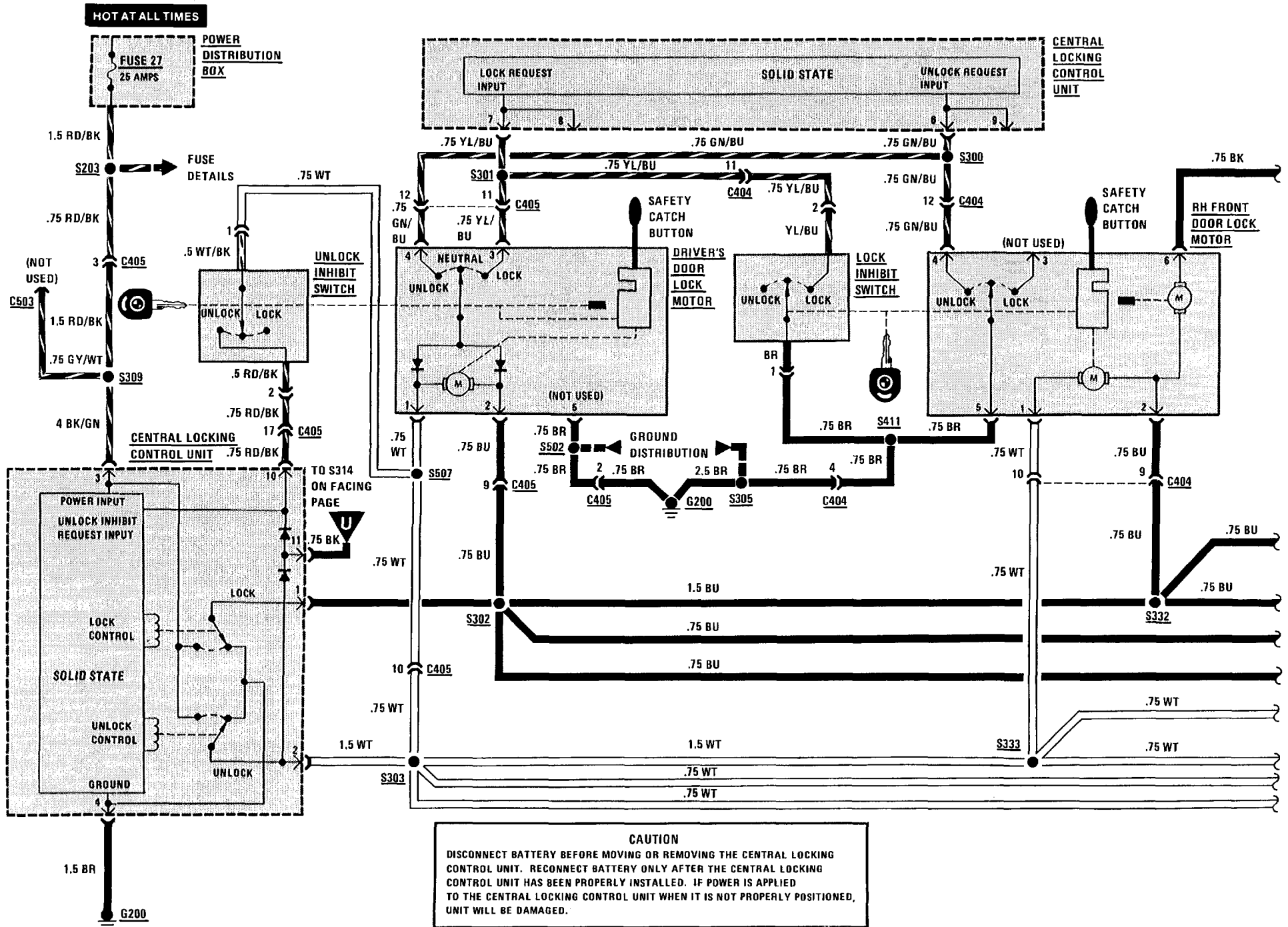


(For Component Locations See Page 202)

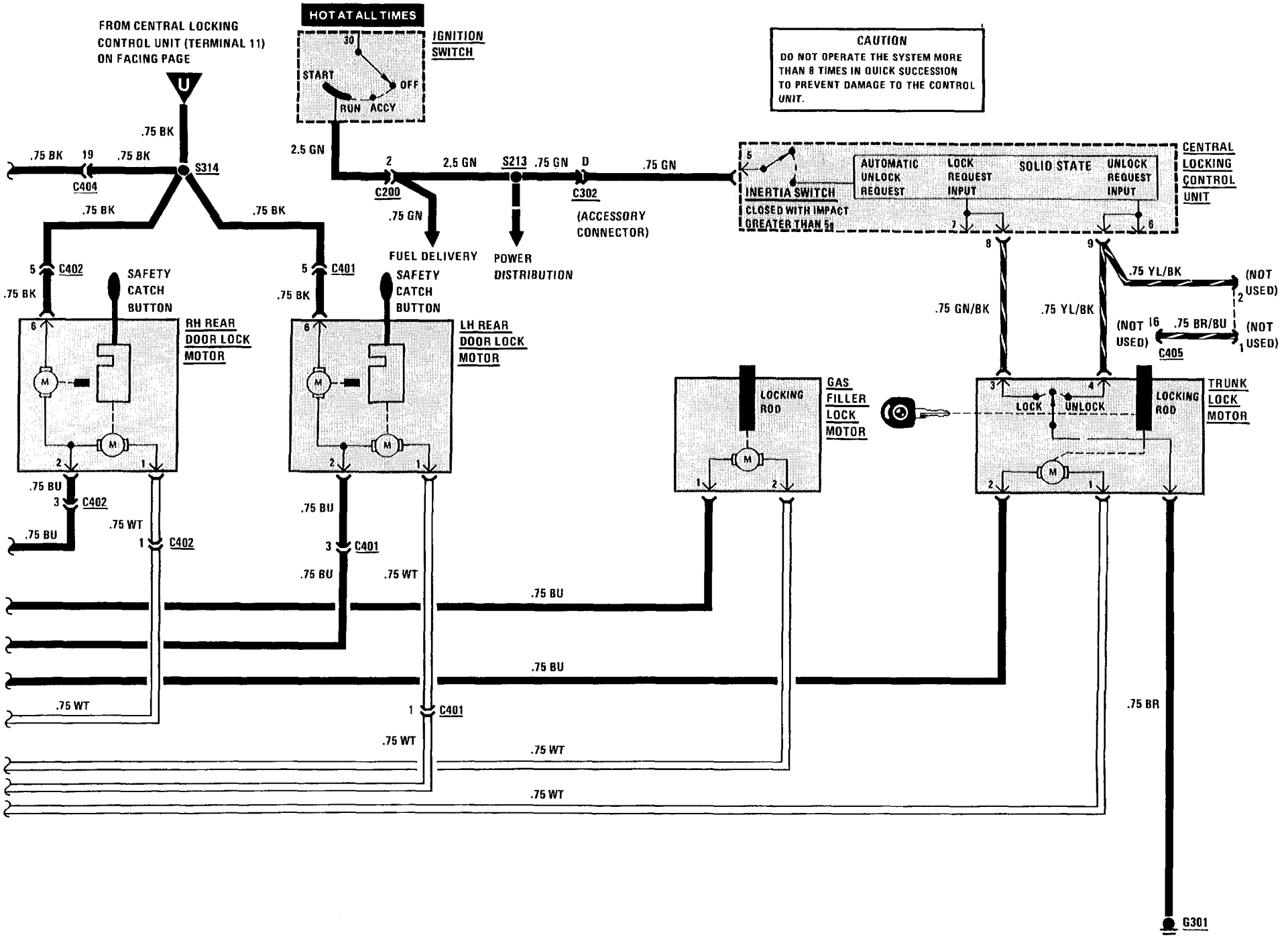


# 162 CENTRAL LOCKING 4 DOOR (SELECT)

(For Component Locations See Page 202)

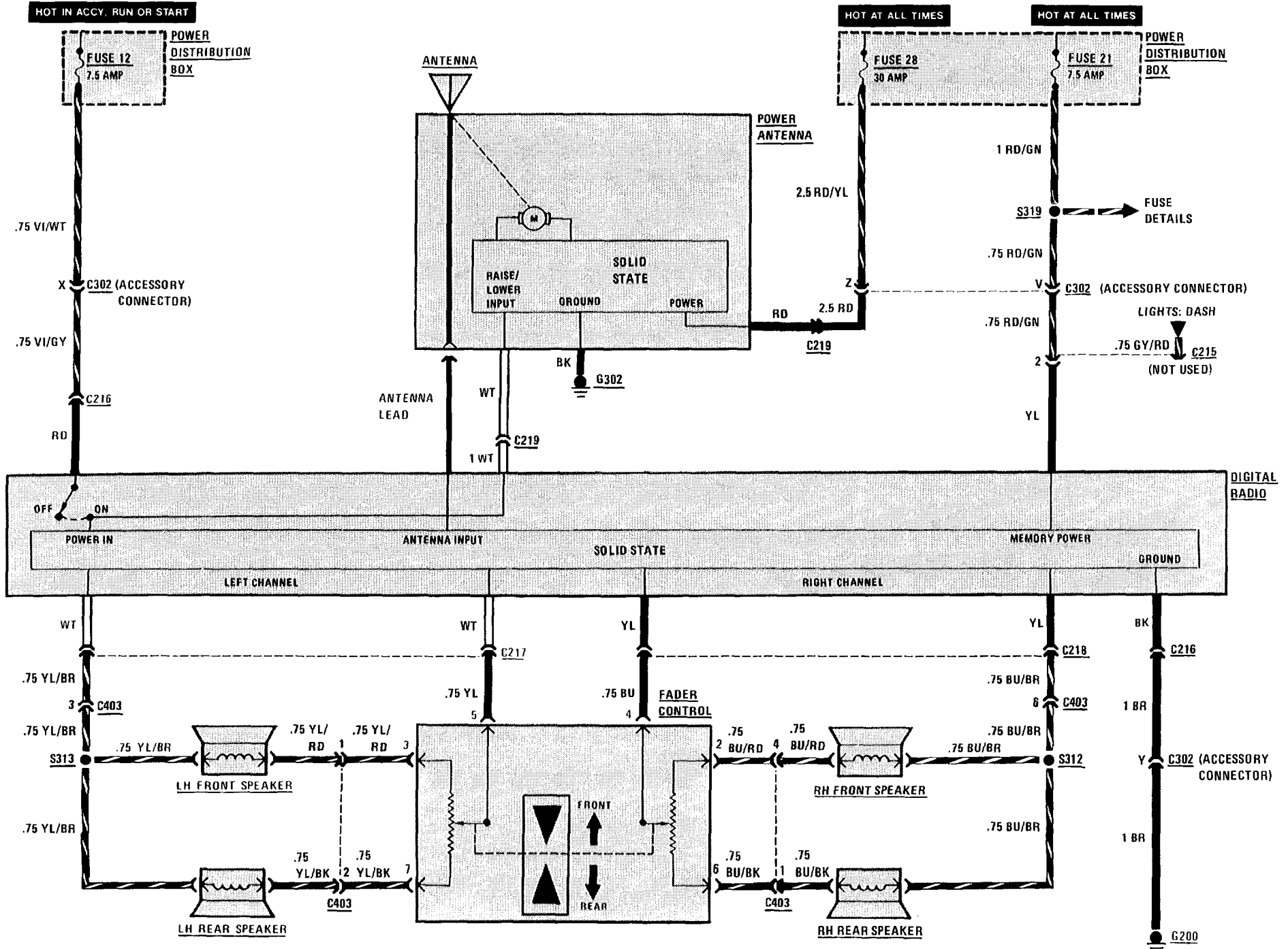


(For Component Locations See Page 202)



# 164 RADIO/POWER ANTENNA

(For Component Location See Page 214)

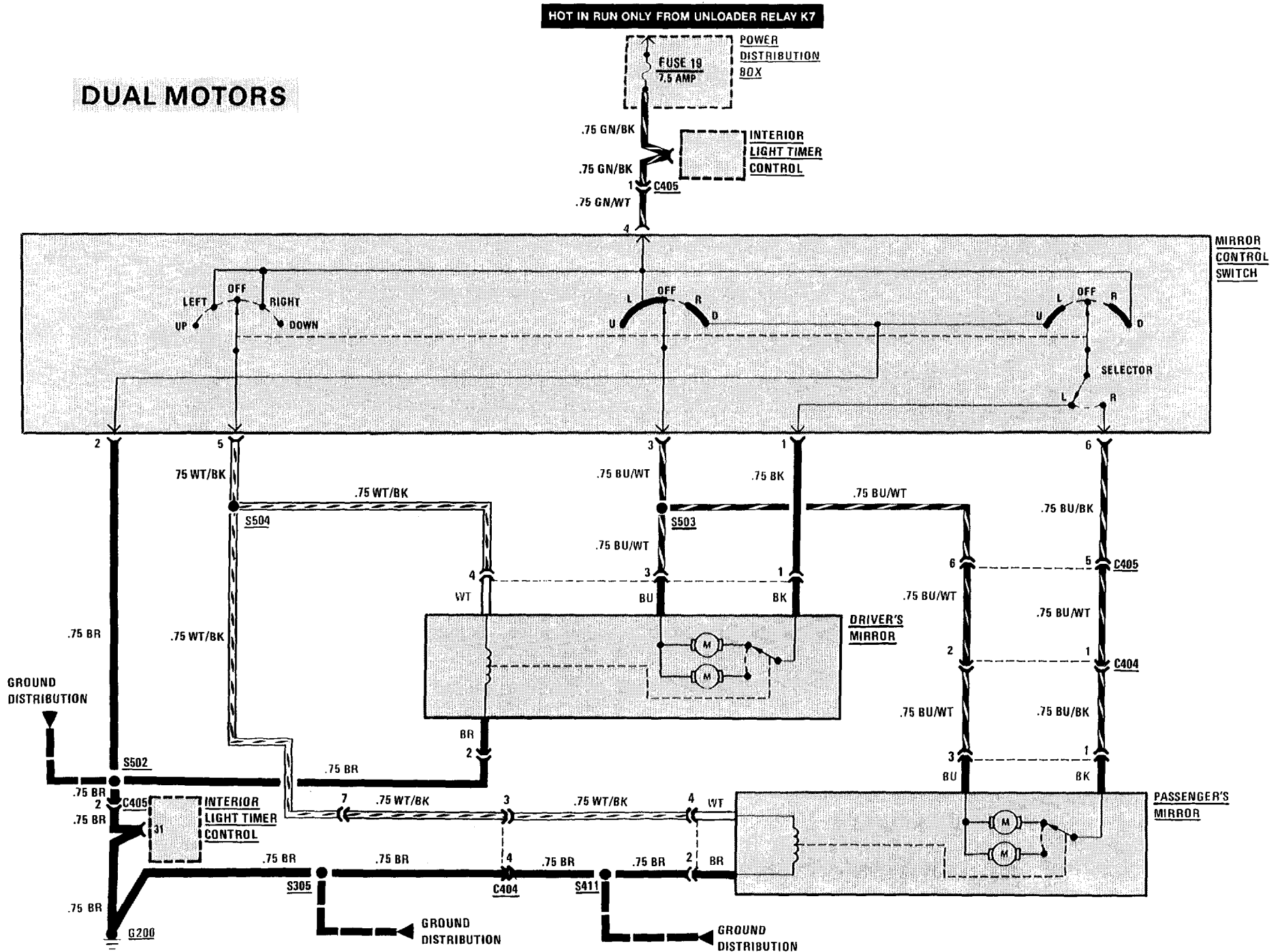




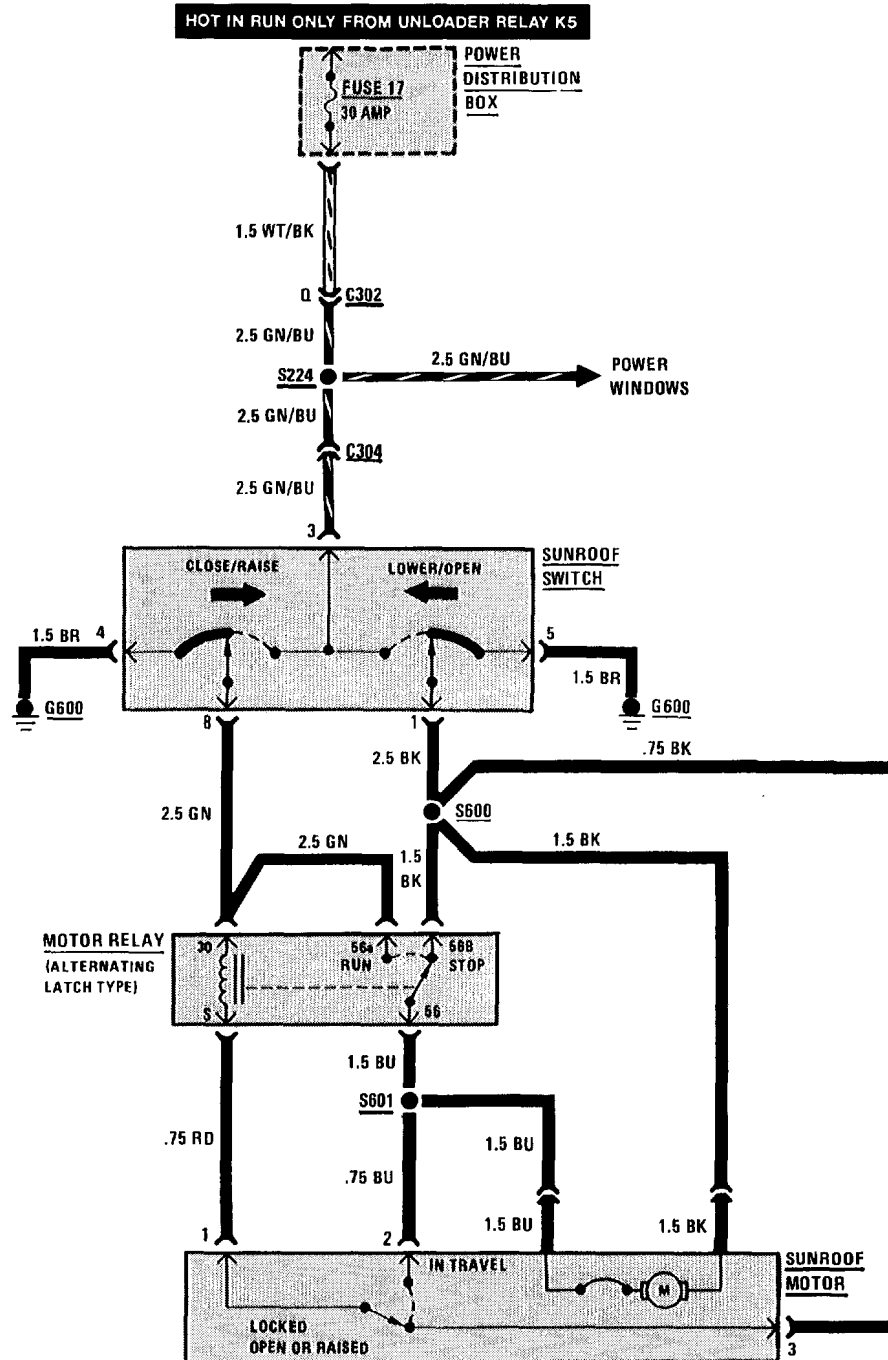
# 166 POWER MIRRORS

(For Component Location See Page 213)

## DUAL MOTORS

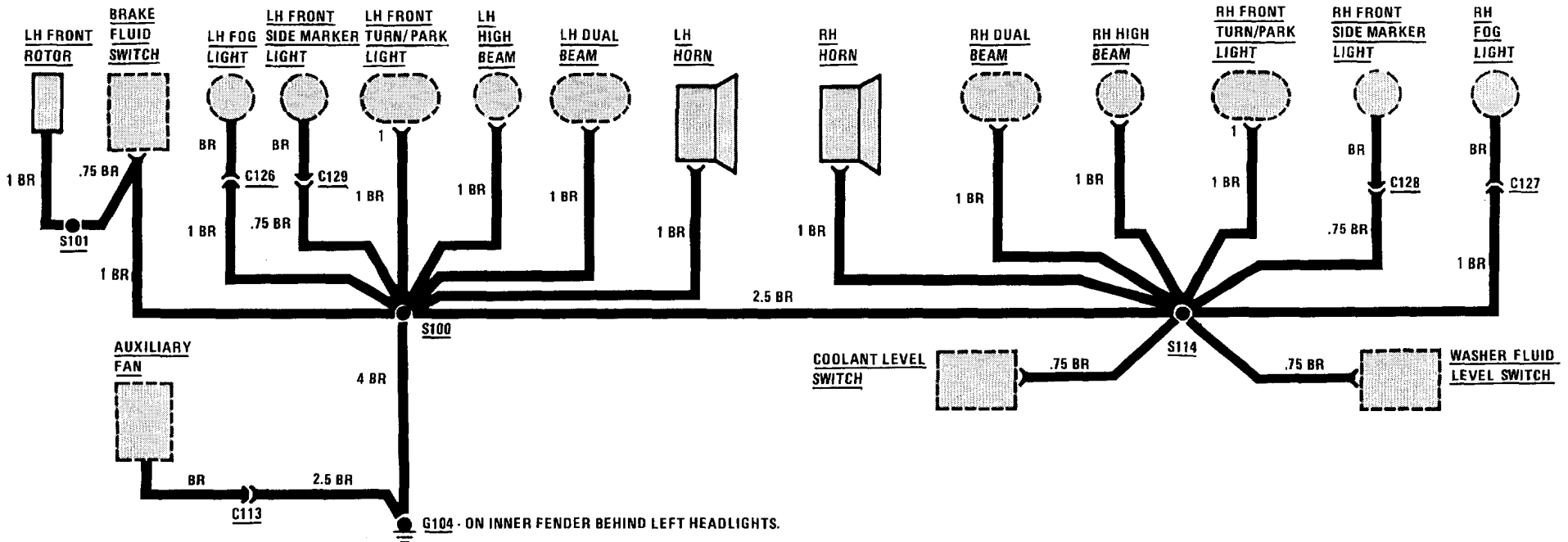
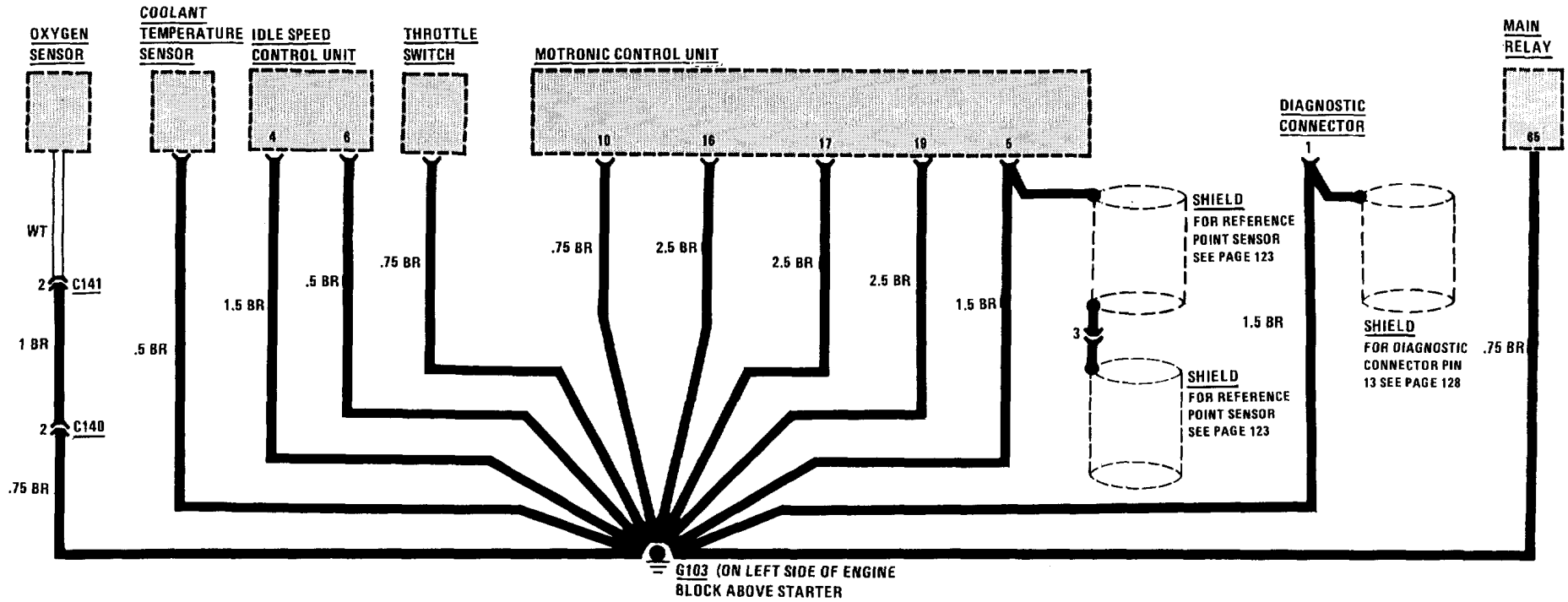


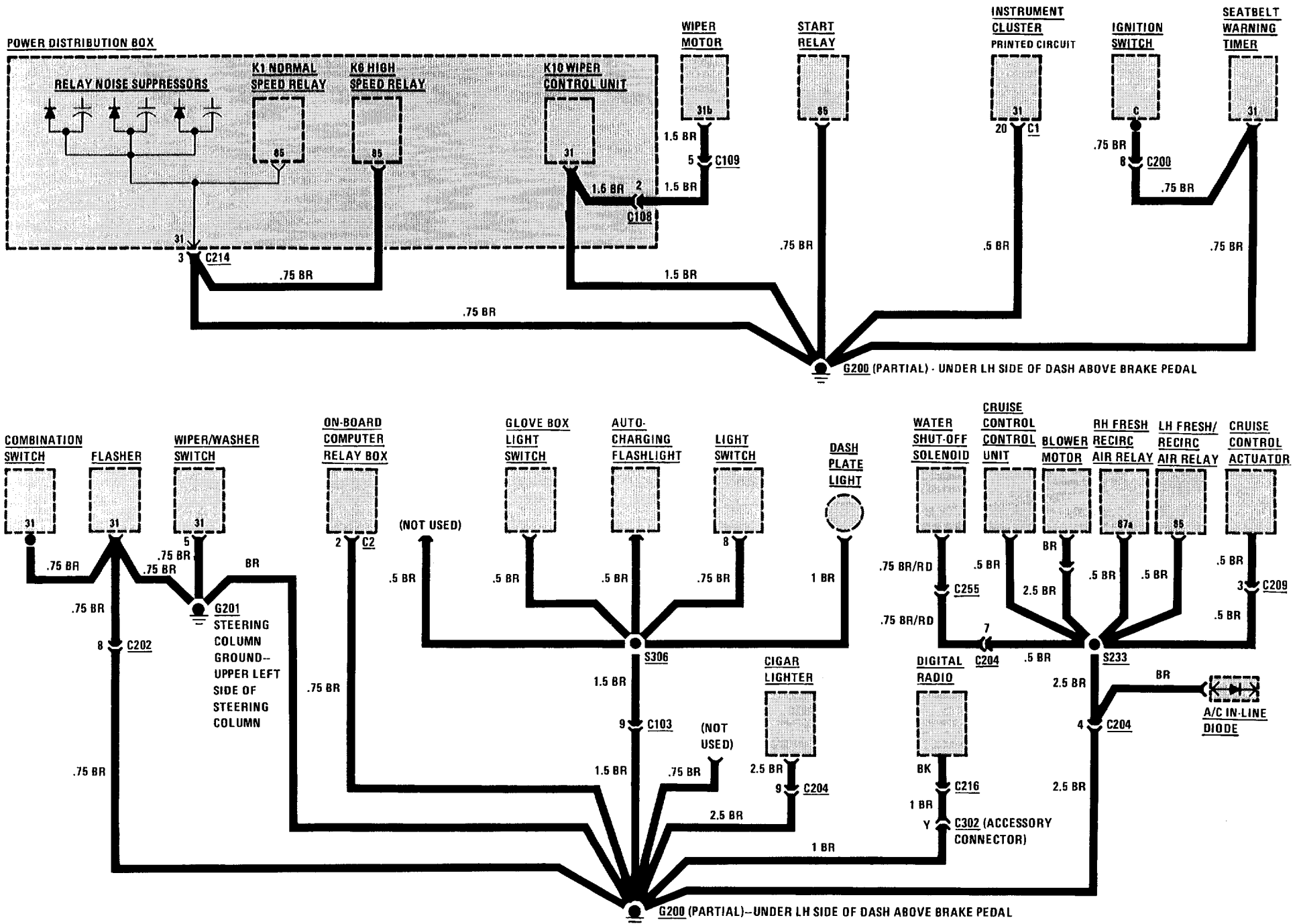
(For Component Location See Page 219)



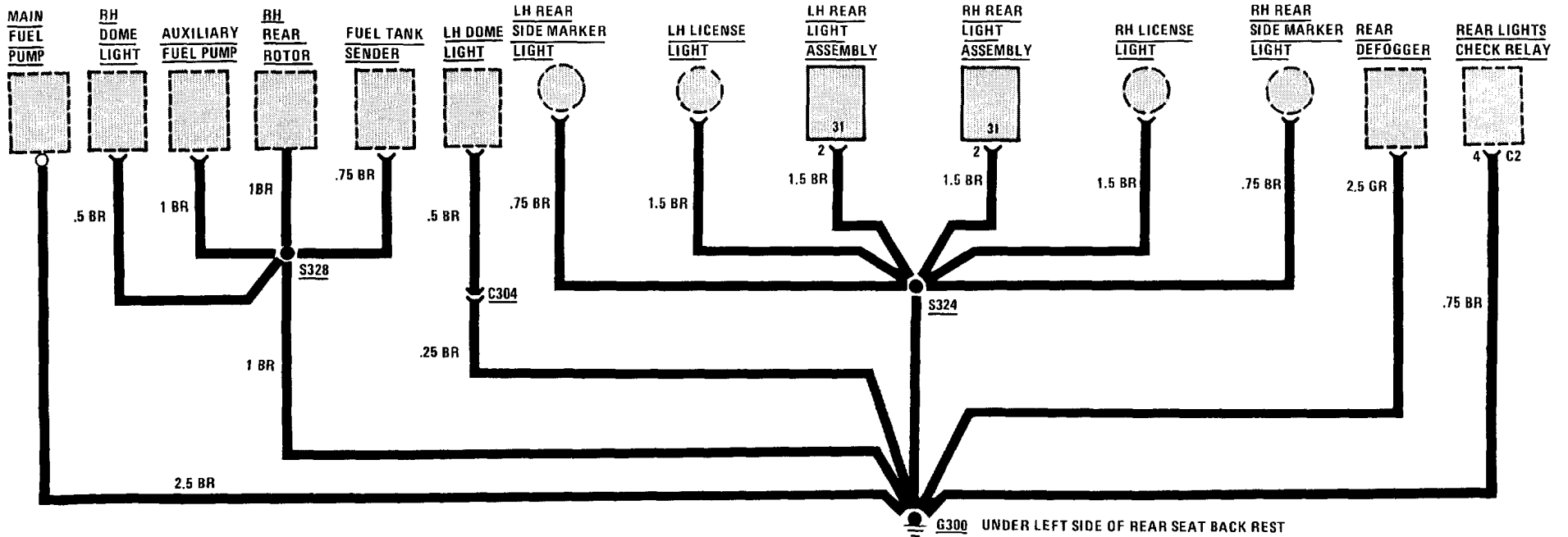
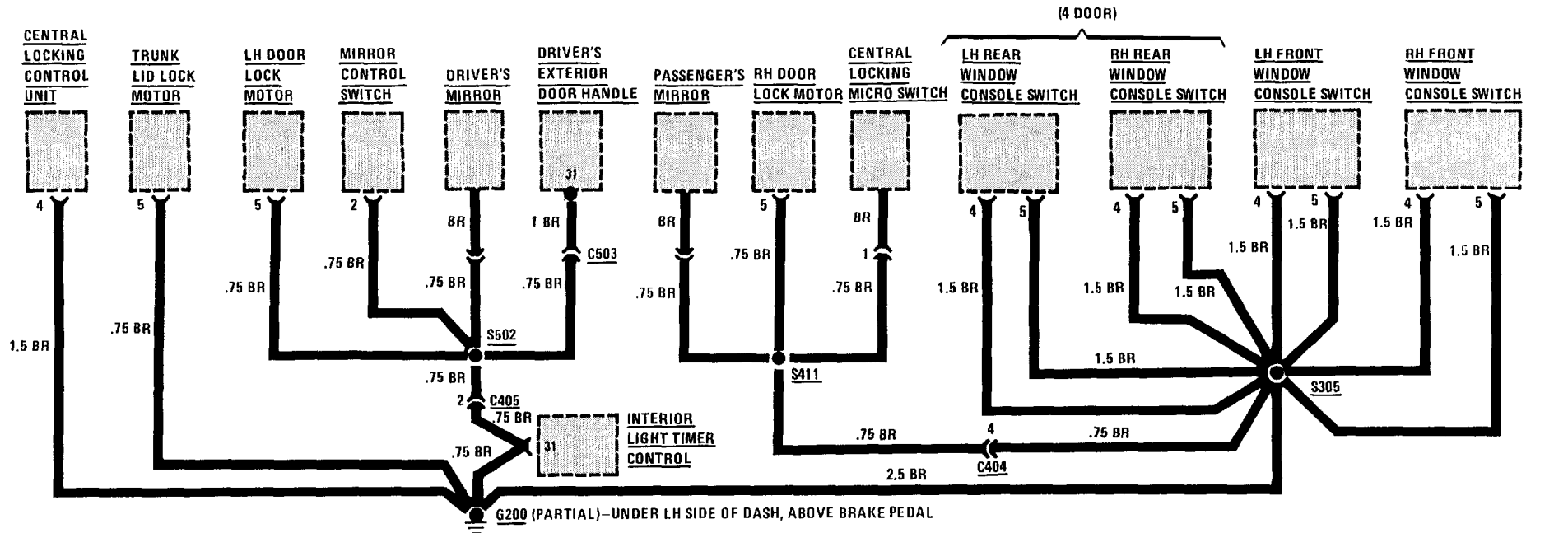


# 168 GROUND DISTRIBUTION (G103 AND G104)





# 170 GROUND DISTRIBUTION (G300 AND G200 PARTIAL)

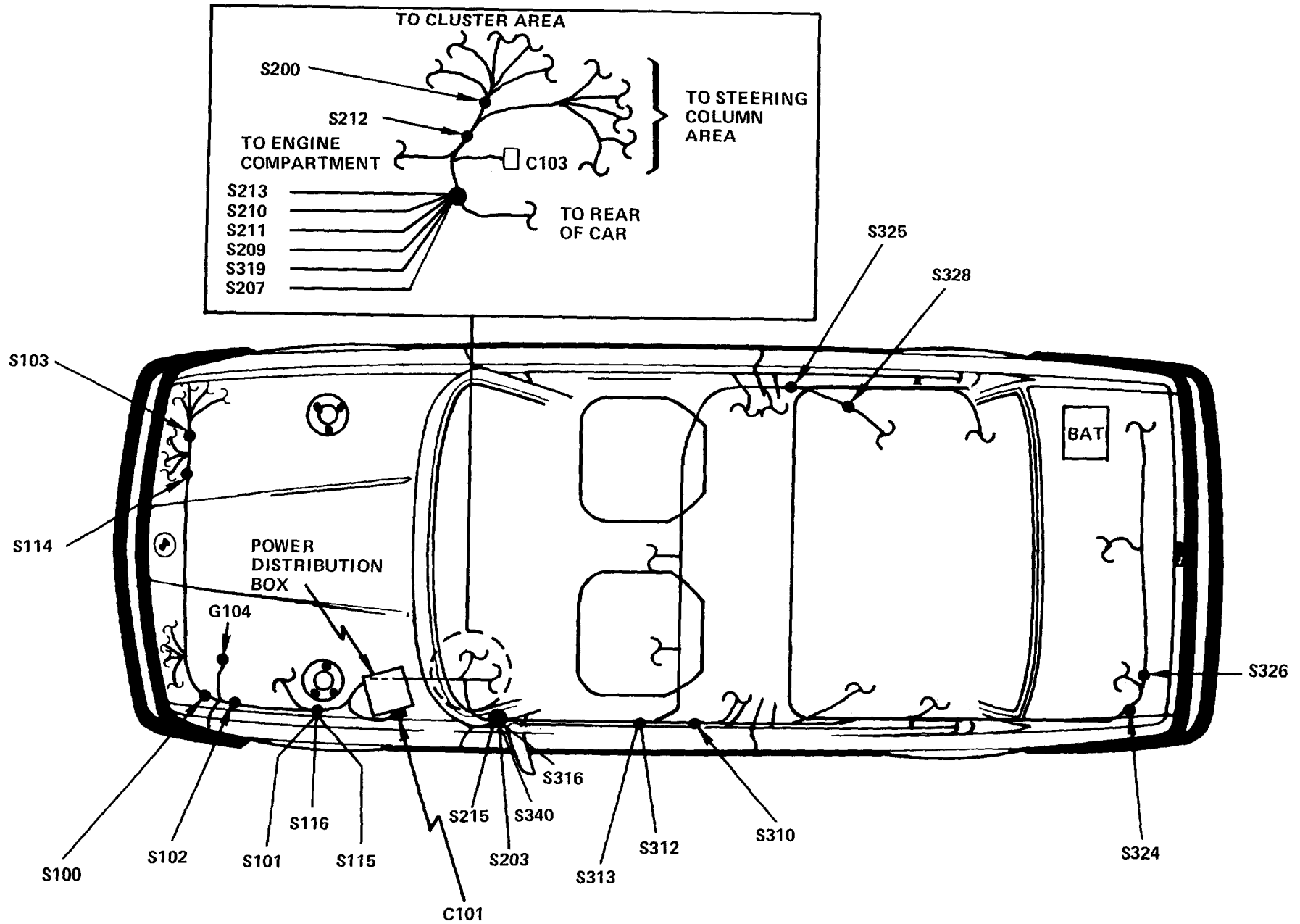


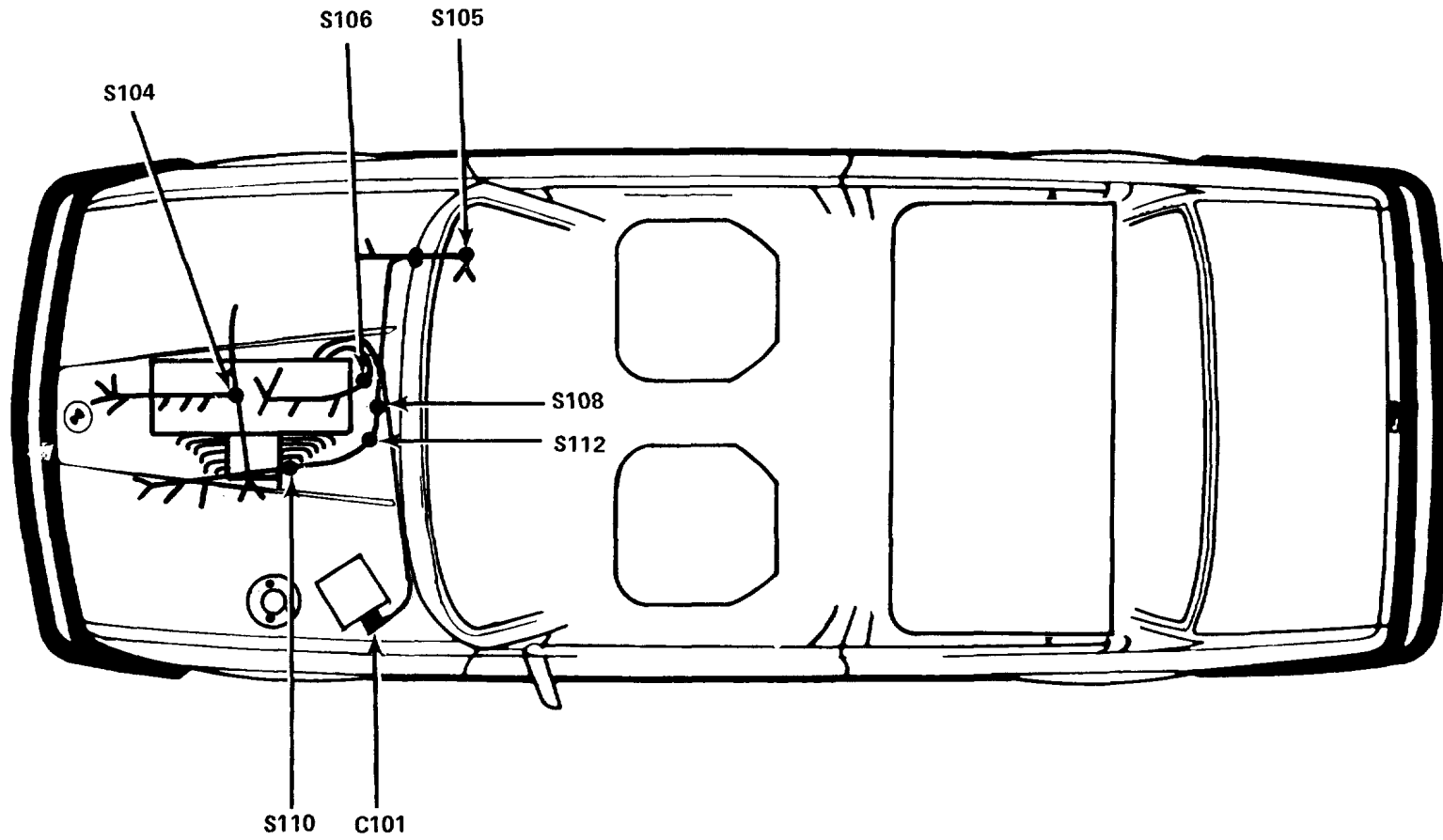
## Index-Splice Locations 325e

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

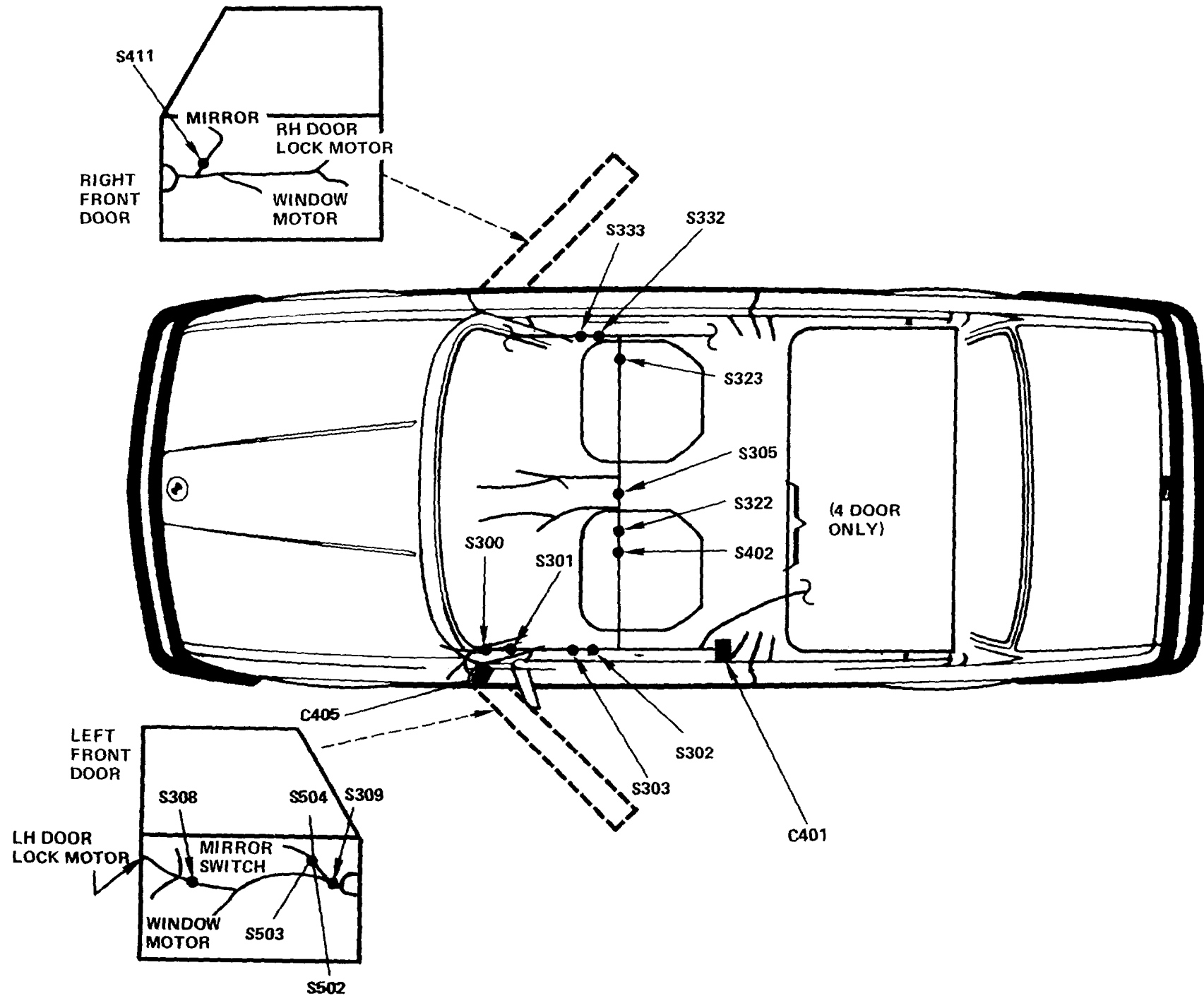
SPLICE	HARNESS	PAGE NUMBER	SPLICE	HARNESS	PAGE NUMBER
S100	MAIN	172	S308	DOOR	174
S101	MAIN	172	S309	DOOR	174
S102	MAIN	172	S310	MAIN	172
S103	MAIN	172	S311	I/P	176
S104	ENGINE	173	S312	MAIN	172
S105	ENGINE	173	S313	MAIN	172
S106	ENGINE	173	S316	MAIN	172
S108	ENGINE	173	S319	MAIN	172
S110	ENGINE	173	S322	DOOR	174
S112	ENGINE	173	S323	DOOR	
S114	MAIN	172		(4 DR ONLY)	174
S115	MAIN	172	S324	MAIN	172
S116	MAIN	172	S325	MAIN	172
S200	MAIN	172	S326	MAIN	172
S201	COMPUTER	175	S328	MAIN	172
S202	COMPUTER	175	S329	MAIN	NOT SHOWN
S203	MAIN	172			NOT SHOWN
S207	MAIN	172	S330	MAIN	
S209	MAIN	172			NOT SHOWN
S210	MAIN	172	S332	DOOR	174
S211	MAIN	172	S333	DOOR	174
S212	MAIN	172	S340	MAIN	172
S213	MAIN	172	S402	DOOR	
S215	MAIN	172		(4 DR ONLY)	174
S218	I/P	176	S411	RH FRONT DOOR	174
S219	I/P	176			
S220	I/P	176	S502	LH FRONT DOOR	174
S221	I/P	176			
S300	DOOR	174	S503	LH FRONT DOOR	174
S301	DOOR	174			
S302	DOOR	174	S504	LH FRONT DOOR	174
S303	DOOR	174			
S305	DOOR	174	S600	SUNROOF	NOT SHOWN
S306	I/P	176			
S307	I/P	176	S601	SUNROOF	NOT SHOWN

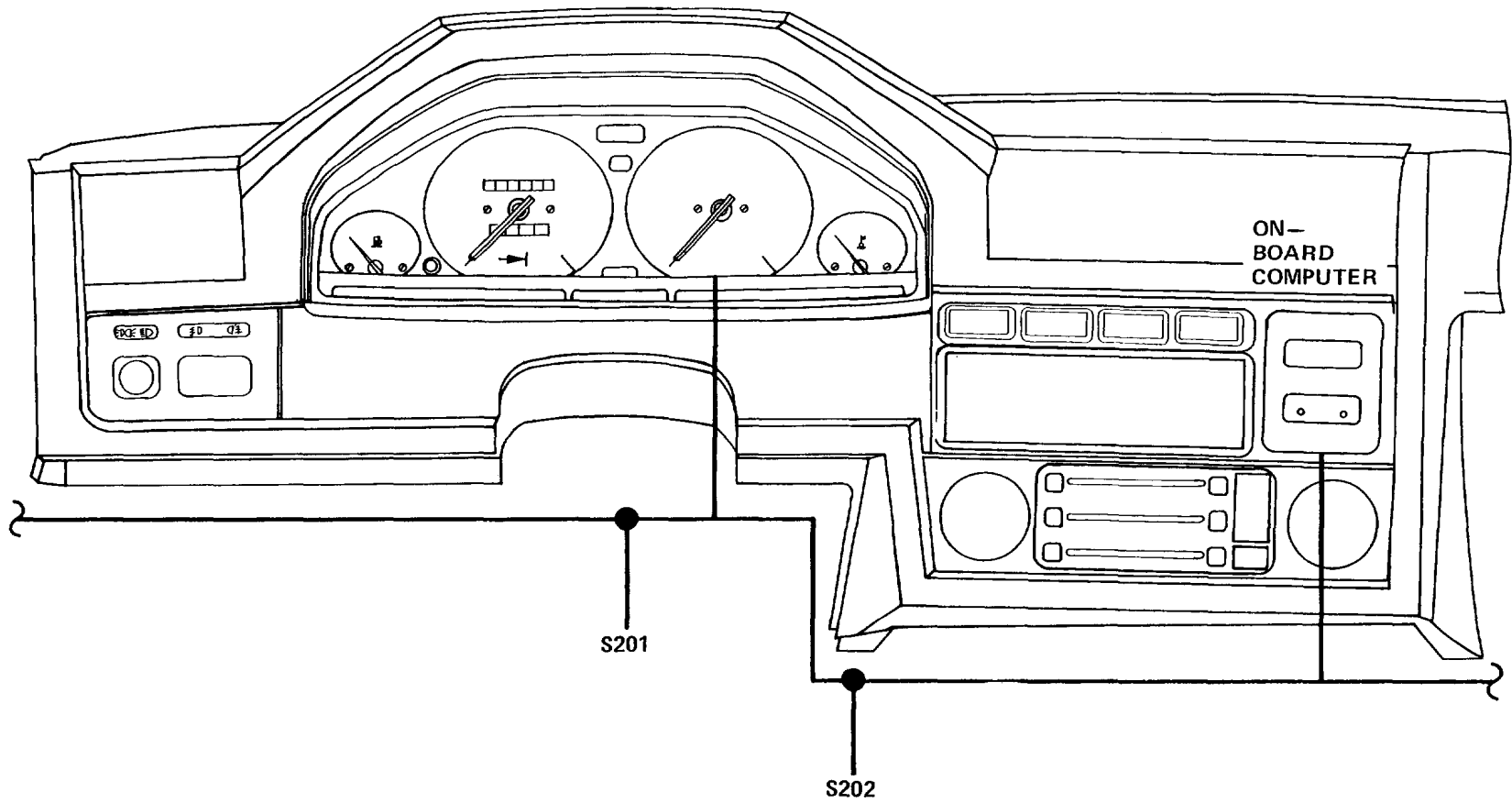
# 172 MAIN HARNESS SPLICE LOCATIONS





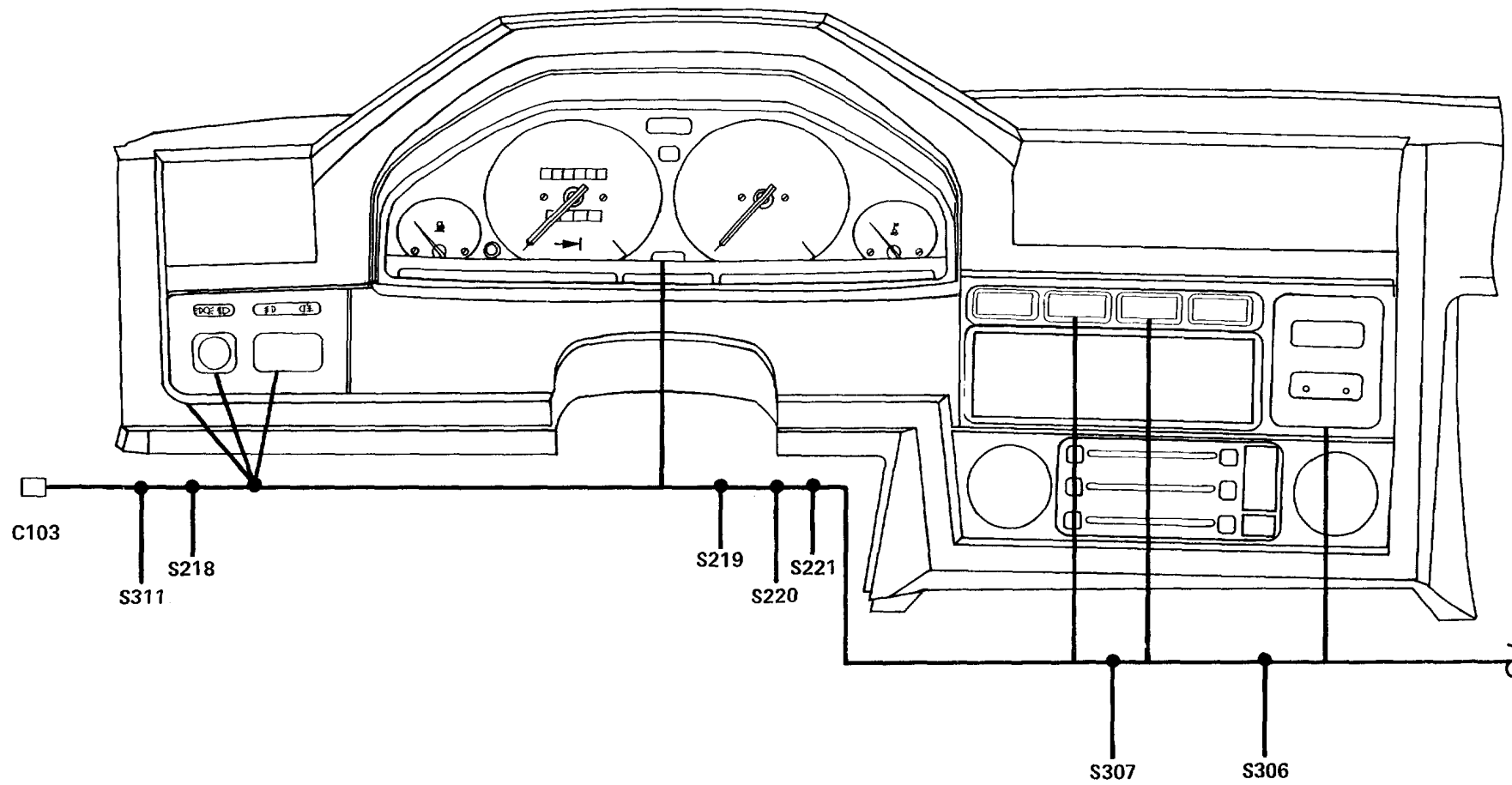
# 174 DOOR HARNESS SPLICE LOCATIONS







# 176 INSTRUMENT PANEL HARNESS SPLICE LOCATIONS



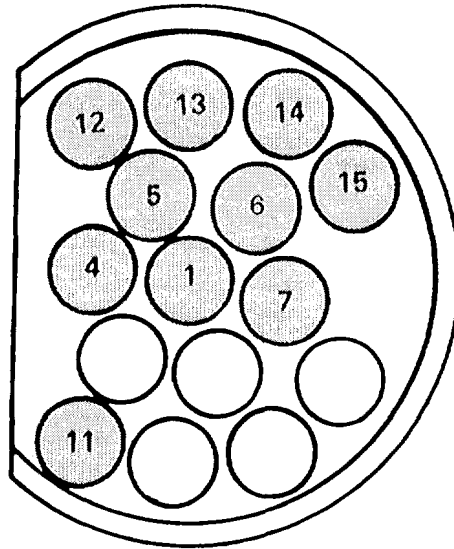
**Section B**

**318i**

**Schematic Diagrams**

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— Compressor Controls (Late Production, Automatic Transmission) . . . . .	165	— Blower Controls . . . . .	162	— Interior (2 Door) . . . . .	152
— Compressor Controls (Late Production, Manual Transmission) . . . . .	164	— Compressor Controls (Early Production) . . . . .	163	— Interior (4 Door) . . . . .	153
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— Diagnostic . . . . .	101	— Indicators . . . . .	137	— Dual Motors . . . . .	158
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Fuel Economy Gauge		— Low Fuel Warning . . . . .	138	Speedometer . . . . .	137
— Early Production . . . . .	139	— Oil Pressure Warning . . . . .	138	Splice Location . . . . .	182
— Late Production . . . . .	140	— Oil Service . . . . .	141	Start	
Fuel Gauge . . . . .	138	— Oxygen Sensor . . . . .	137	— Automatic . . . . .	116
Fuse Details		— "Park Brake" . . . . .	142	— Manual . . . . .	117
— Fuse 4 . . . . .	113	— RH Turn . . . . .	147	Tachometer (Early Production) . . . . .	139
— Fuse 5 . . . . .	111	Lights		Tachometer (Late Production) . . . . .	140
— Fuse 6 . . . . .	112	— A/C Control . . . . .	161	Temperature Gauge . . . . .	138
— Fuse 8 . . . . .	113	— Ashtray . . . . .	161	Vacuum Advance (Early Production) . . . . .	126
— Fuse 9 . . . . .	111	— Backup . . . . .	176	Vacuum Advance (Late Production)	134
— Fuse 10 . . . . .	110	— Brake . . . . .	150	Warnings	
— Fuse 12 . . . . .	113	— Cigar Lighter . . . . .	154	— Ignition Key . . . . .	143
— Fuse 19 . . . . .	112	— Dome . . . . .	152	— Seatbelt . . . . .	143
— Fuse 20 . . . . .	109	— Dash . . . . .	161	Wiper/Washer . . . . .	177
— Fuse 21 . . . . .	108	— Fog . . . . .	144		
— Fuse 27 . . . . .	114	— Front Park . . . . .	148		
		— Front Side Marker . . . . .	148		
		— Glove Box . . . . .	154		



DIAGNOSTIC CONNECTOR

PIN	WIRE SIZE	WIRE COLOR	CIRCUIT AND COMPONENT CONNECTED
1	1.5	BR	Ground Distribution G101
4	.5	BR/WT	Gauges/Warning Indicators, Coolant Temperature Sender.
5	.5	WT/GN	Fuel Control, Injector Control Module (Fuel Rate).
6	.5	WT/BK	Not Used (Late Production Only).
7	.5	WT/BU	Service Interval Indicator, Service Interval Processor (Reset).
11	2.5	BK/YL	Start, Start Signal.
12	.75	BU	Charge System, Alternator.
13	.75	BK	Ignition, Ignition Coil.
14	2.5	RD	Charge System, Alternator.
15	1.5	GN/YL	Idle Speed Control, Idle Speed Control Unit.

CIRCUITS USING C302 (ACCESSORY CONNECTOR)

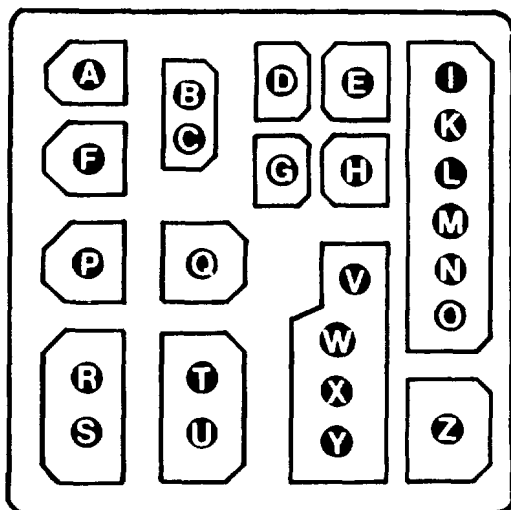


Figure 1-C302 (Accessory Connector)  
 Front View—Under LH Side  
 of Dash Ahead of Pedal Assembly

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	Not Used	U	Not Used
I	Not Used	V	Radio
J	Not Used	W	Not Used
K	Not Used	X	Radio
L	Not Used	Y	Radio
M	Not Used	Z	Power Antenna

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# 102 POWER DISTRIBUTION BOX

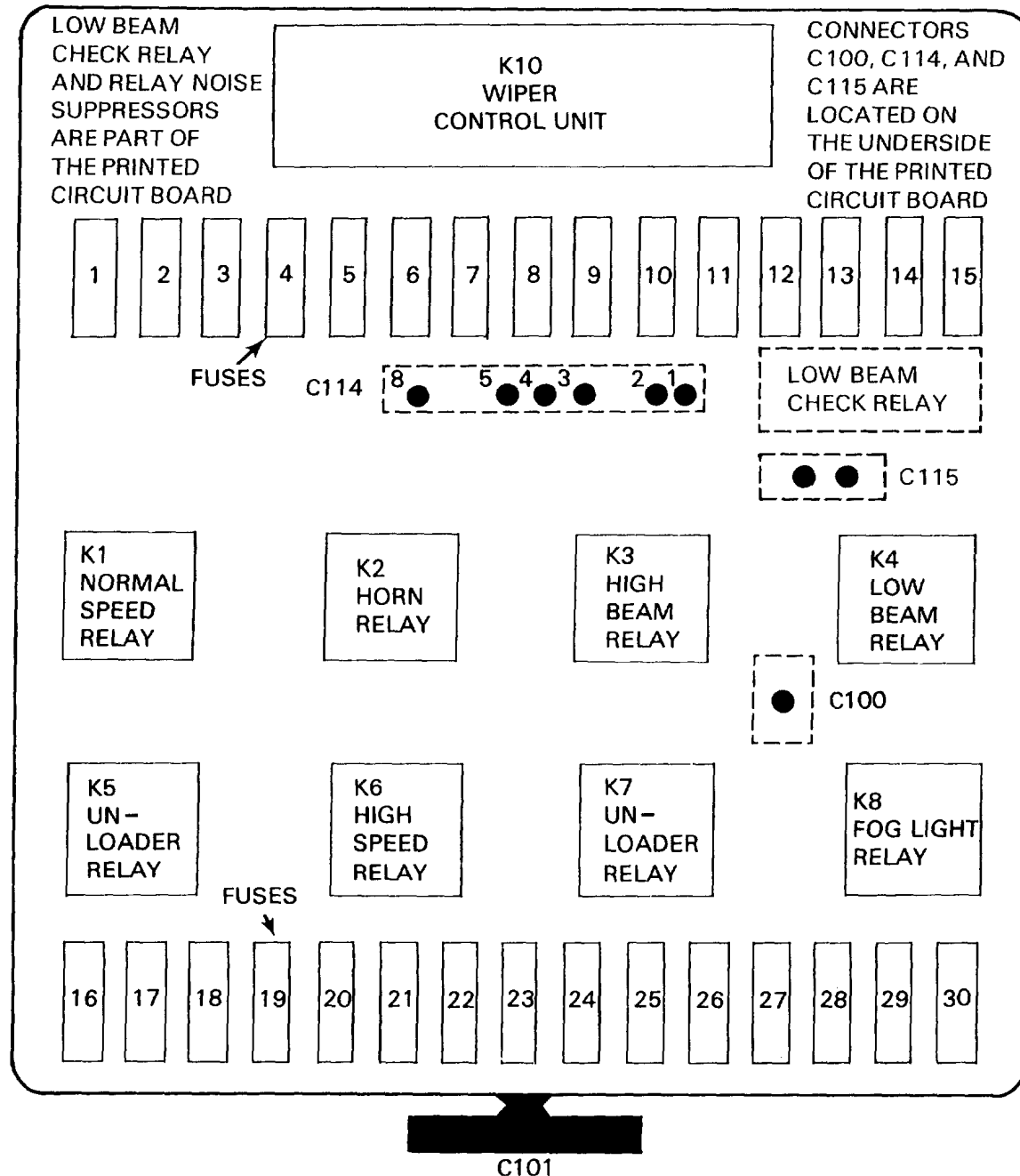


Figure 1 - Behind Left Front Shock Tower

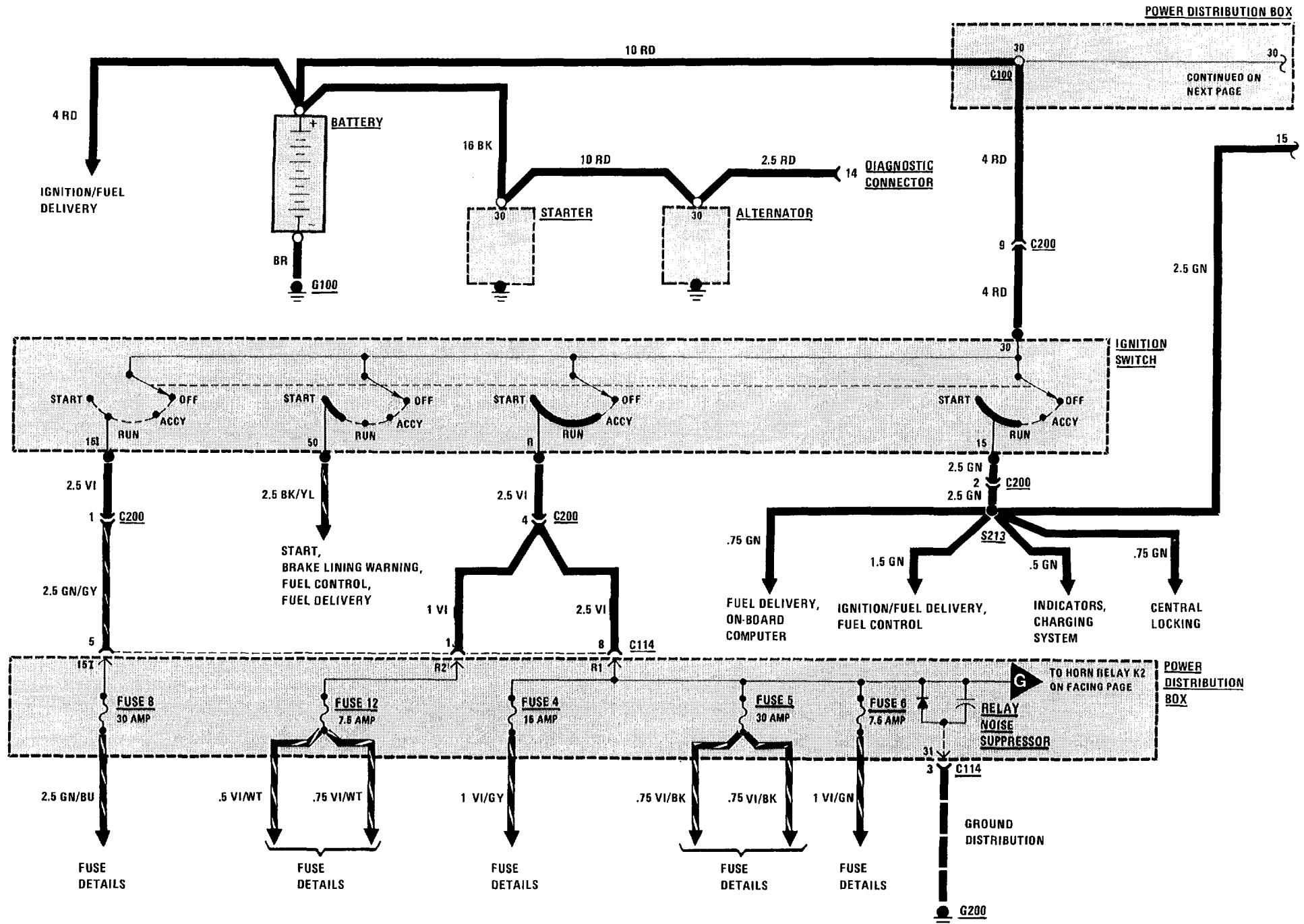
FUSE NO.	SIZE/ COLOR	CIRCUIT NAME
1	7.5A (BR)	Headlights (also fuses 2, 13, 14).
2	7.5A (BR)	Headlights (also fuses 1, 13, 14).
3	15A (LT BU)	Auxiliary Fan (also fuses 18, 19).
4	15A (LT BU)	Lights: Turn/Hazard Warning (also fuse 24); Digital Clock.
5	30A (LT GN)	Wiper/Washer.
6	7.5A (BR)	Stoplights/Cruise Control (also fuse 10).
7	15A (LT BU)	Horn.
8	30A (LT GN)	Rear Defogger (also 23); Seatbelt Warning (also fuses 10, 21); Speedometer/Indicators (also fuse 12).
9	15A (LT BU)	Idle Speed Control/Vacuum Advance.
10	7.5A (BR)	Seatbelt Warning (also fuses 8, 21); Service Interval Indicator (also fuse 21); Tachometer/Fuel Economy Gauges (also fuse 24); Gauges/Indicators; Brake Warning System; Start, Back Up Lights; Idle Speed Control (also fuse 10); Stoplights/Cruise Control (also fuse 6);
11	15A (LT BU)	Fuel Delivery.
12	7.5A (BR)	Radio (also fuse 21); Speedometer/Indicators (also fuse 8);
13	7.5A (BR)	Headlights (also fuses 1, 2, 14).
14	7.5A (BR)	Headlights (also fuses 1, 2, 13).
15		Not Used.
16		Not Used.
17	15A (LT BU)	Accessory Connector. (Not Used)
18	30A (LT GN)	Auxiliary Fan (also fuses 3, 19).
19	7.5A (BR)	Auxiliary Fan (also fuses 3, 18); Interior Lights (also fuses 21, 27); Power Mirrors.

FUSE NO.	SIZE/ COLOR	CIRCUIT NAME
20	30A (LT GN)	Heater/Air Conditioning (also fuse 28).
21	7.5A (BR)	Auto-Charging Flashlight; Digital Clock; Glove Box Light; Ignition Key Warning/Seatbelt Warning (also fuse 8, 10); Interior Lights (also fuses 14, 22, 27); Radio (also fuses 12); Trunk Light; Service Interval Indicator (also fuse 10);
22	7.5A (BR)	Interior Lights (also fuses 19, 21, 27); Lights: Front Park/Tail (also fuse 23); Lights: Front Side Marker (also fuse 23).
23	7.5A (BR)	Lights: Dash; Lights: Front Park/Tail (also fuse 22); Lights: Front Side Marker (also fuse 22); Lights: Rear Marker/License; Rear Defogger (also fuse 8).
24	15A (LT BU)	Lights: Turn/Hazard Warning (also fuse 4); Tachometer/Fuel Economy Gauges (also fuse 10); Service Interval Indicator (also fuse 10).
25		Not Used.
26		Not Used.
27	30A (LT GN)	Interior Lights (also fuses 19, 21, 22); Central Locking;
28	30A (LT GN)	Cigar Lighter; Power Antenna.
29	7.5A (BR)	Fog Lights (also fuse 30).
30	7.5A (BR)	Fog Lights (also fuse 29).



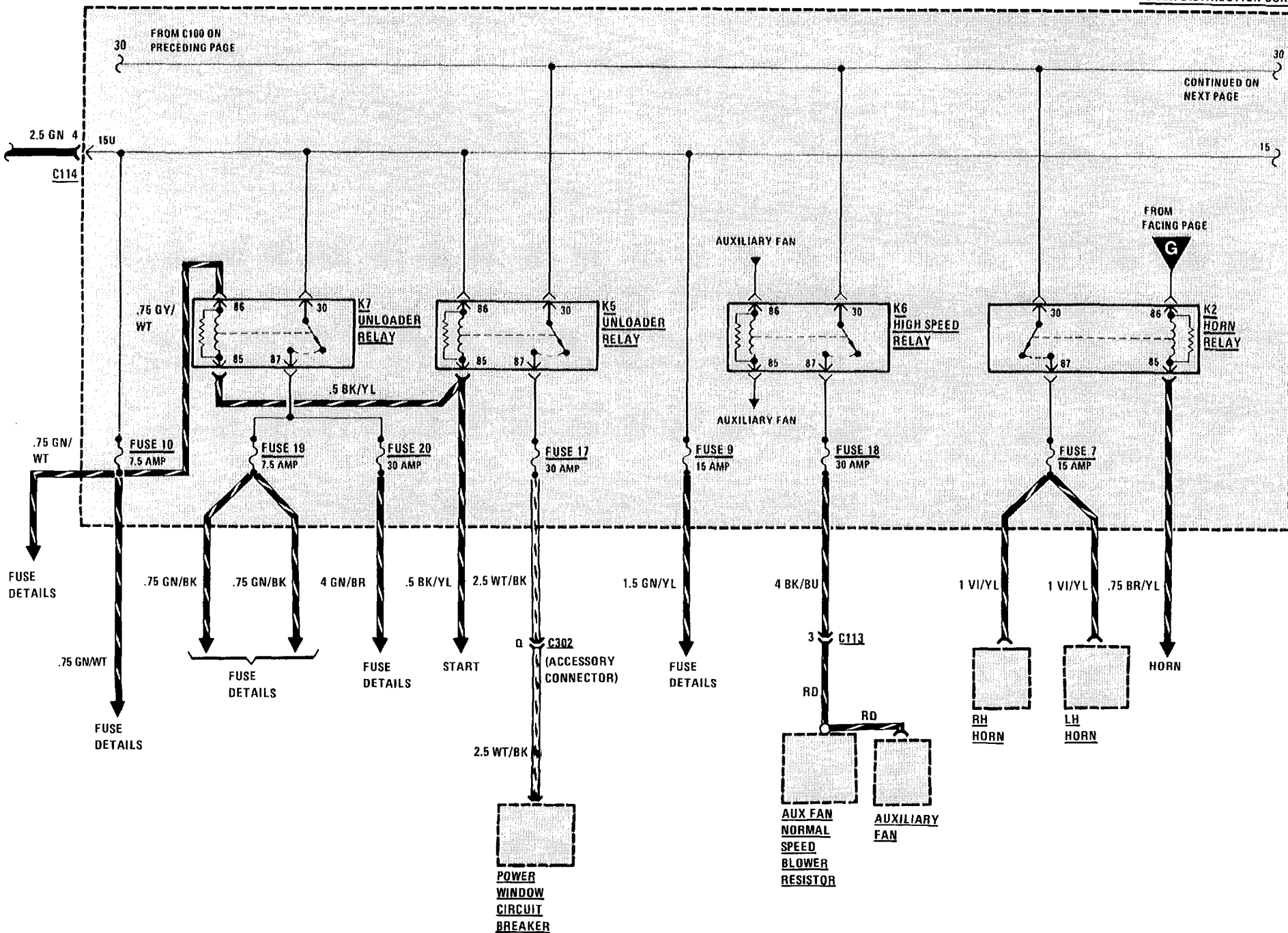
# 104 POWER DISTRIBUTION

(For Component Location See Page 213)



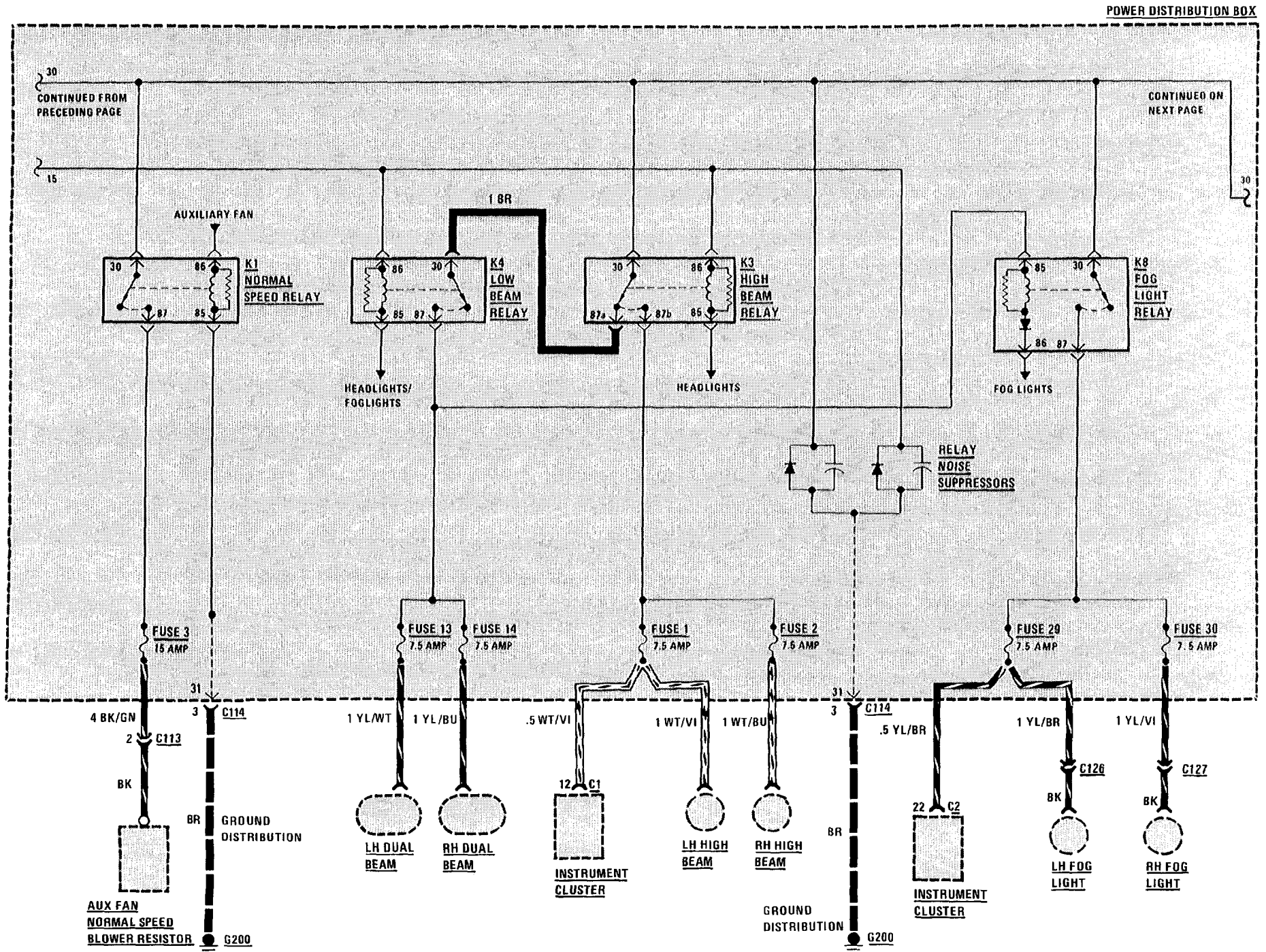
(For Component Location See Page 213)

POWER DISTRIBUTION BOX



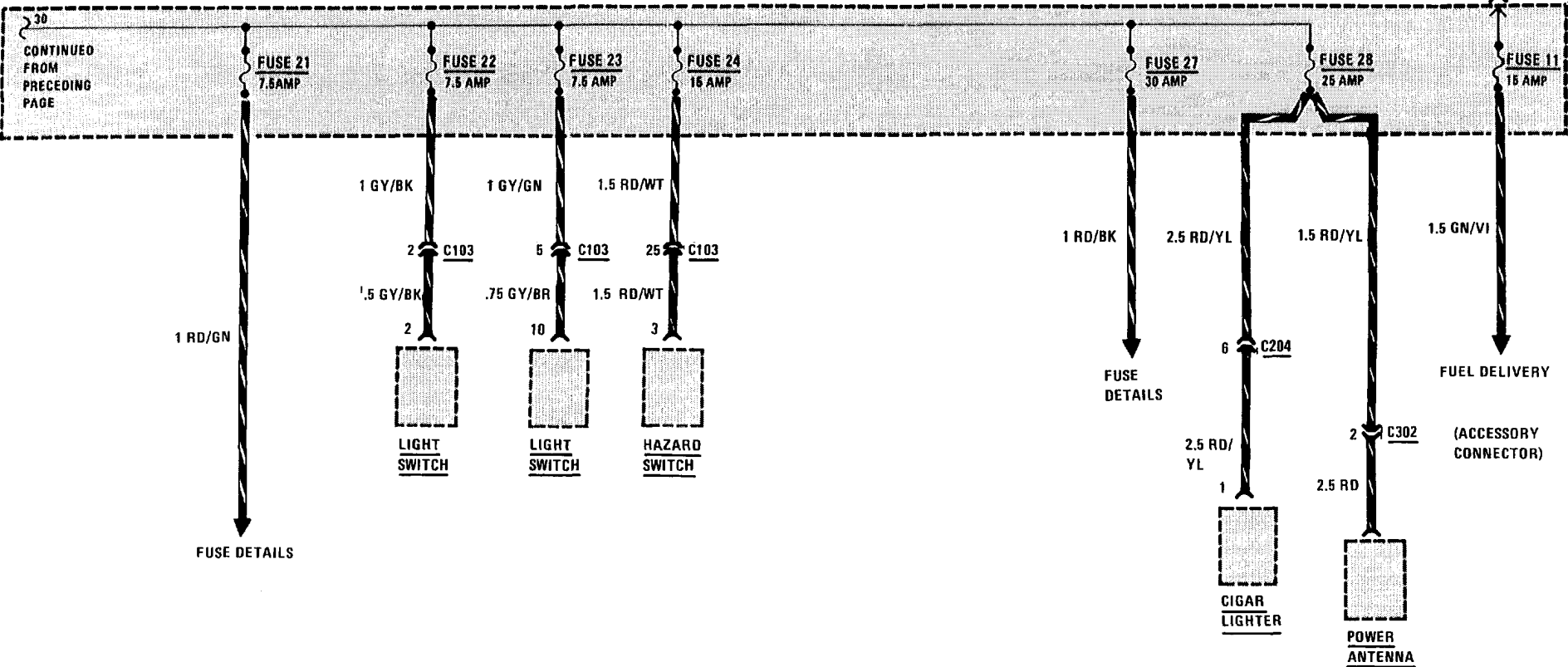
# 106 POWER DISTRIBUTION

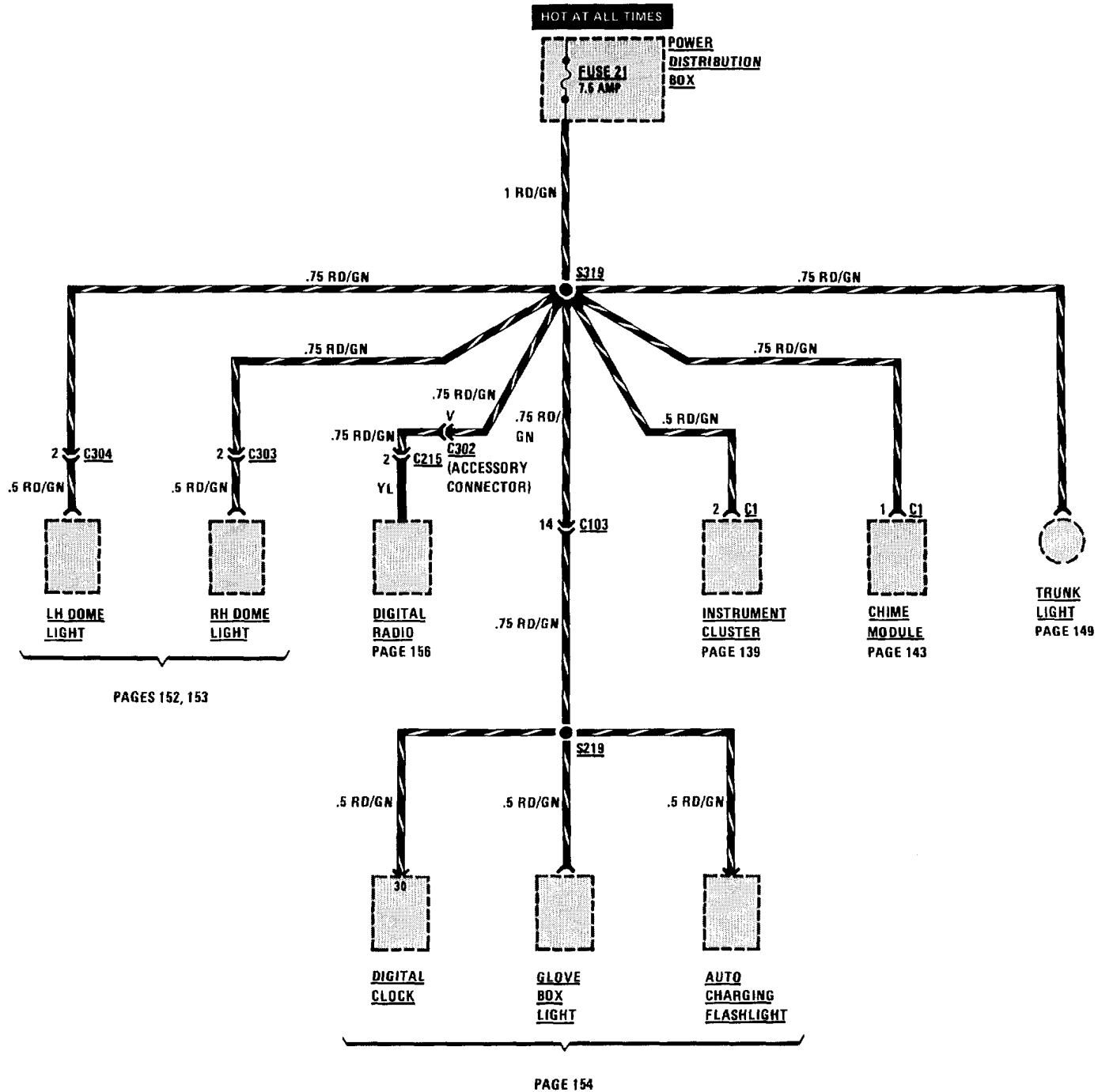
(For Component Location See Page 213)

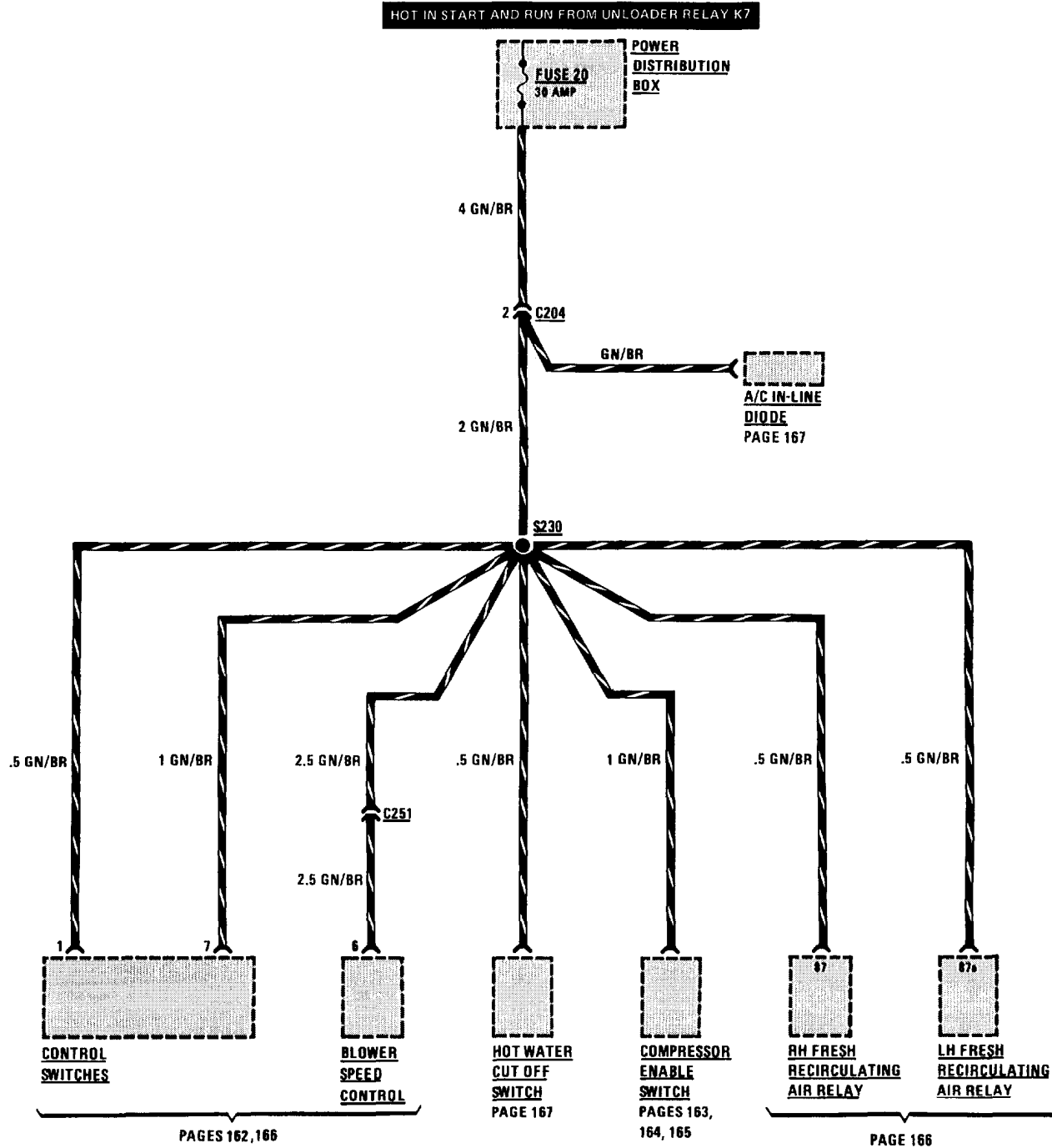


(For Component Location See Page 213)

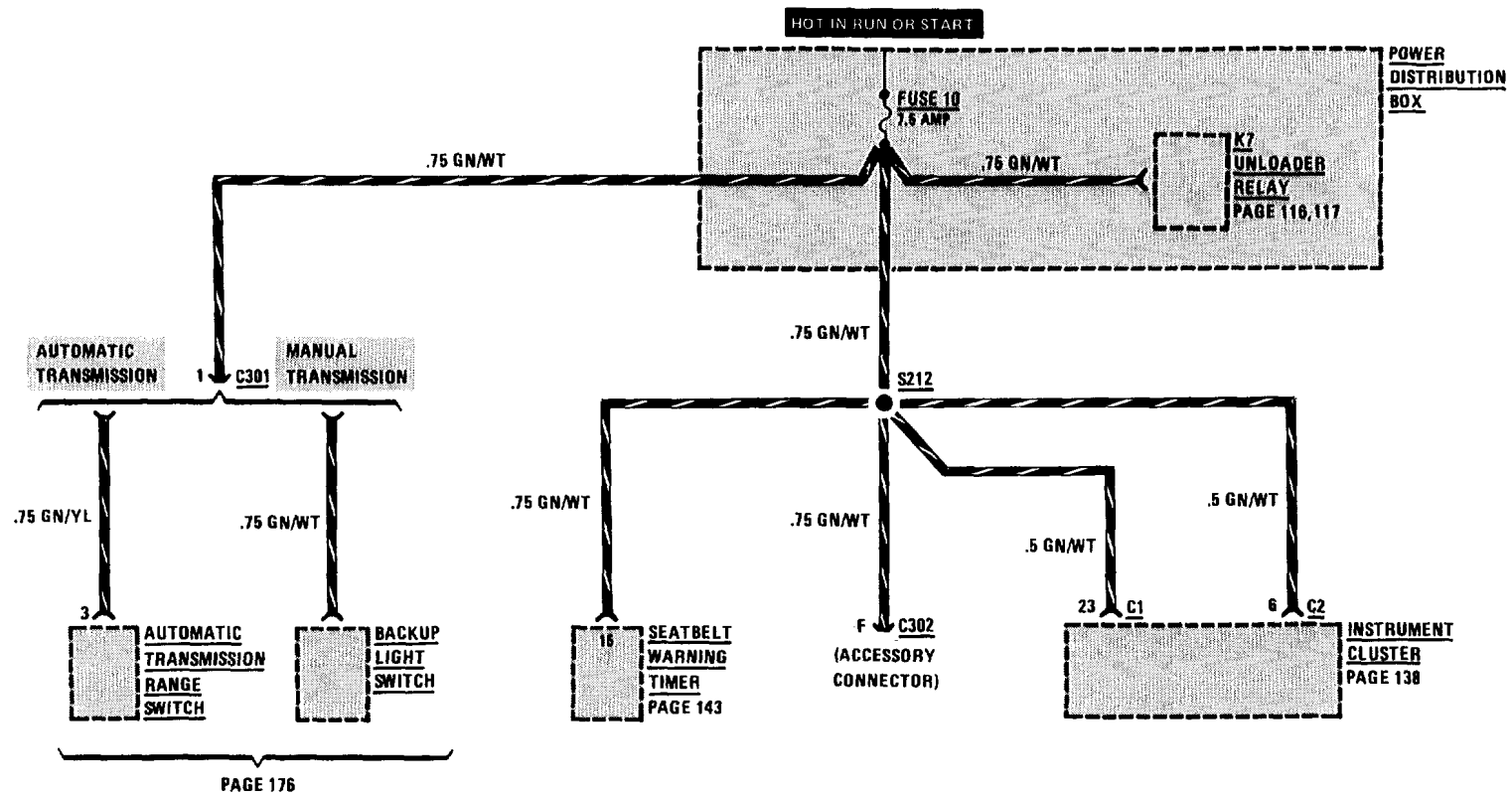
POWER DISTRIBUTION BOX

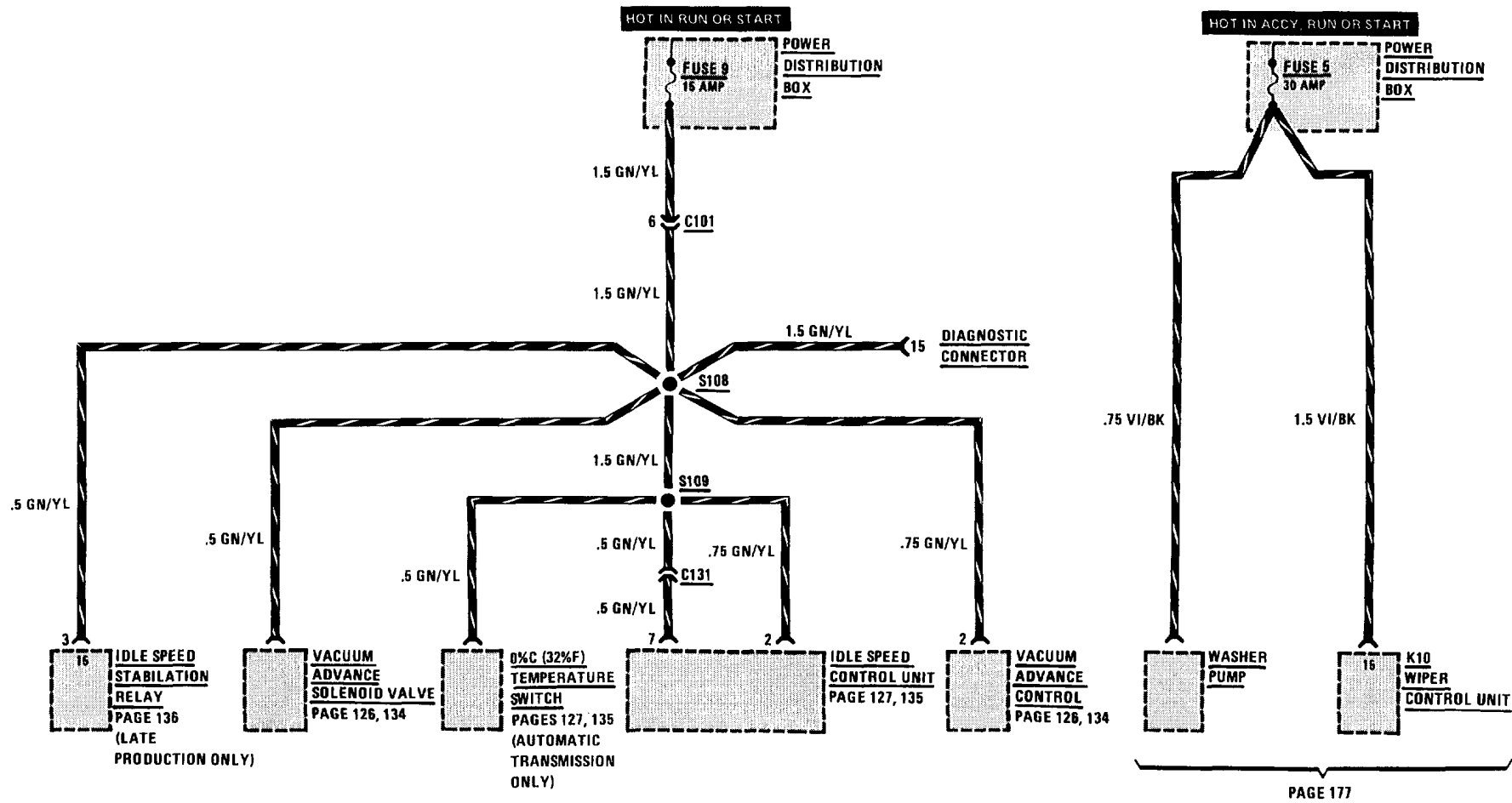






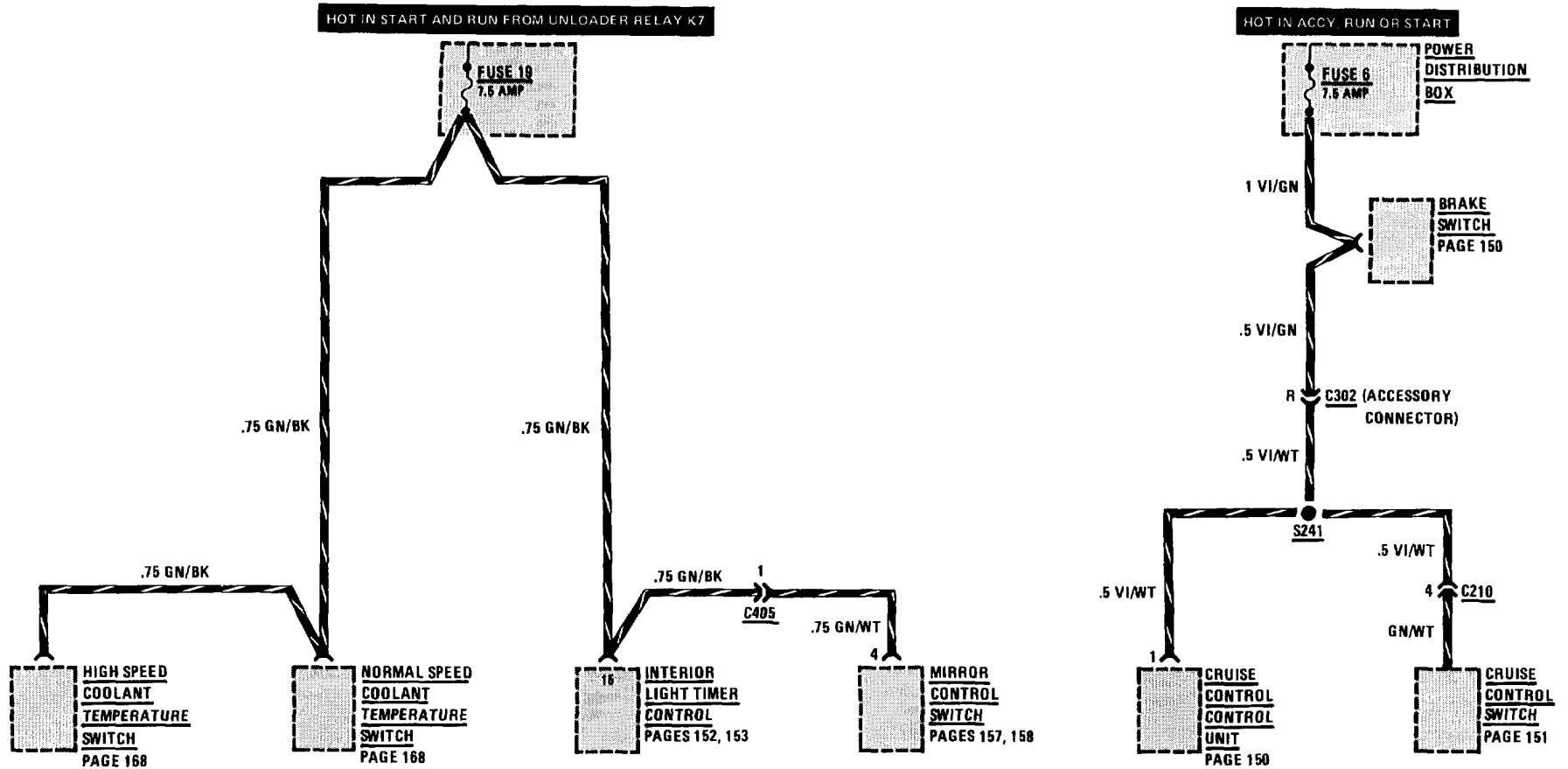
# 110 FUSE DETAILS: FUSE 10

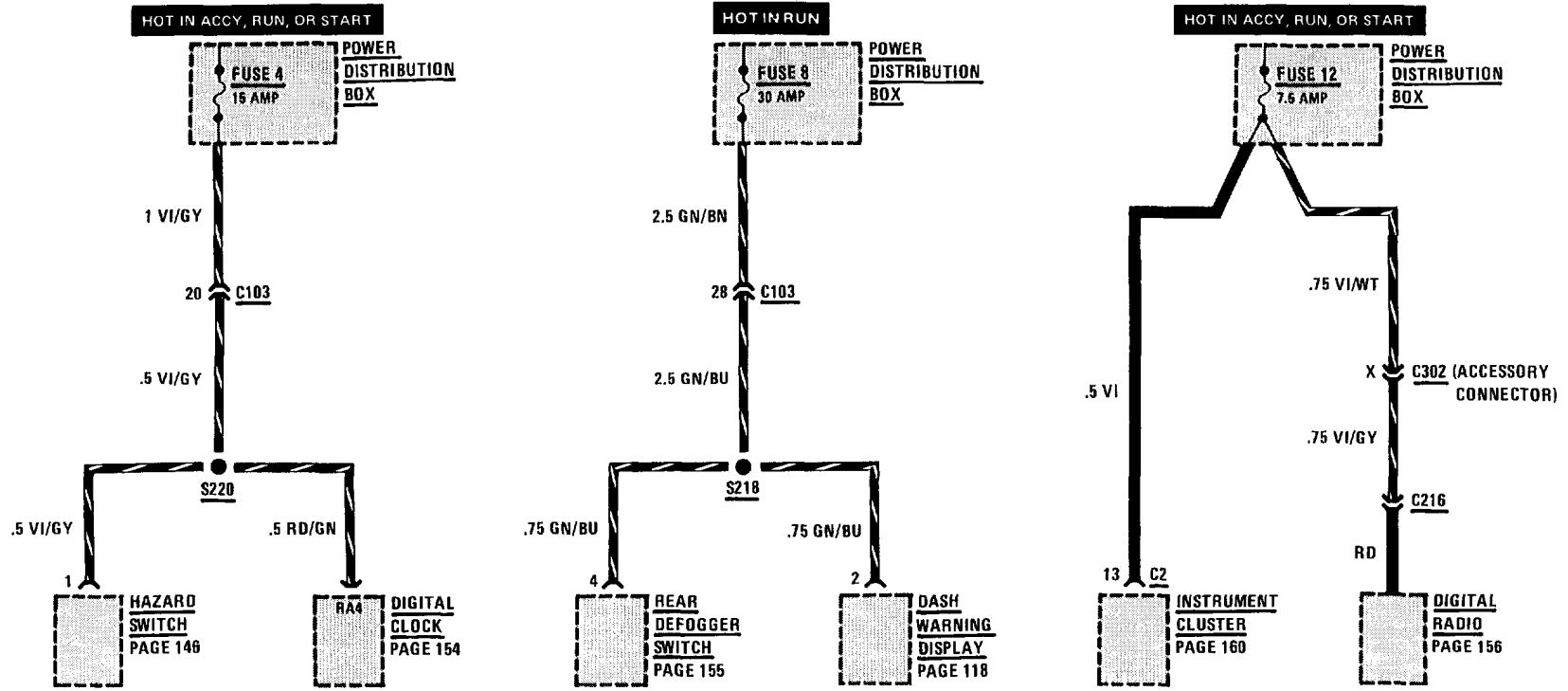


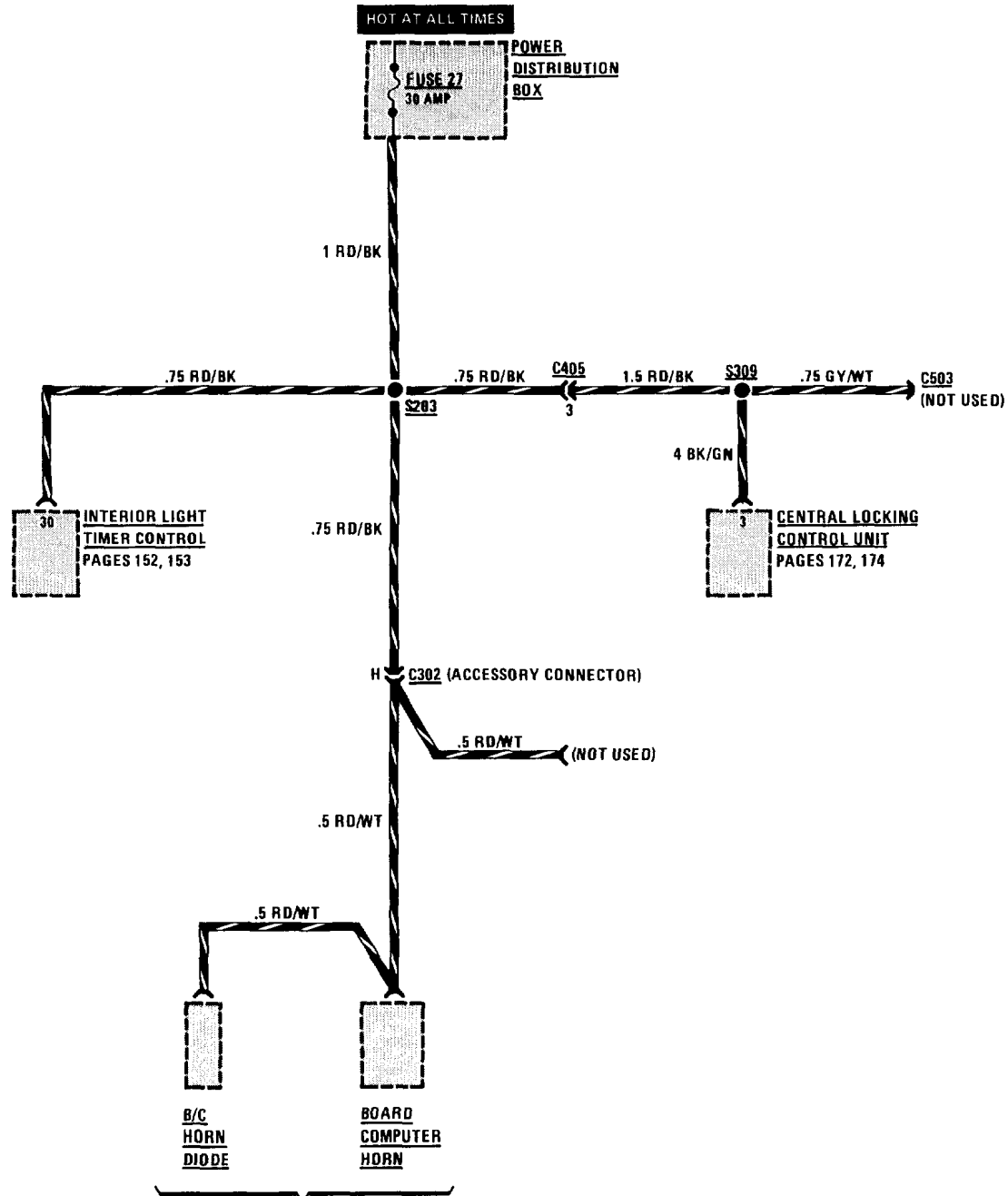


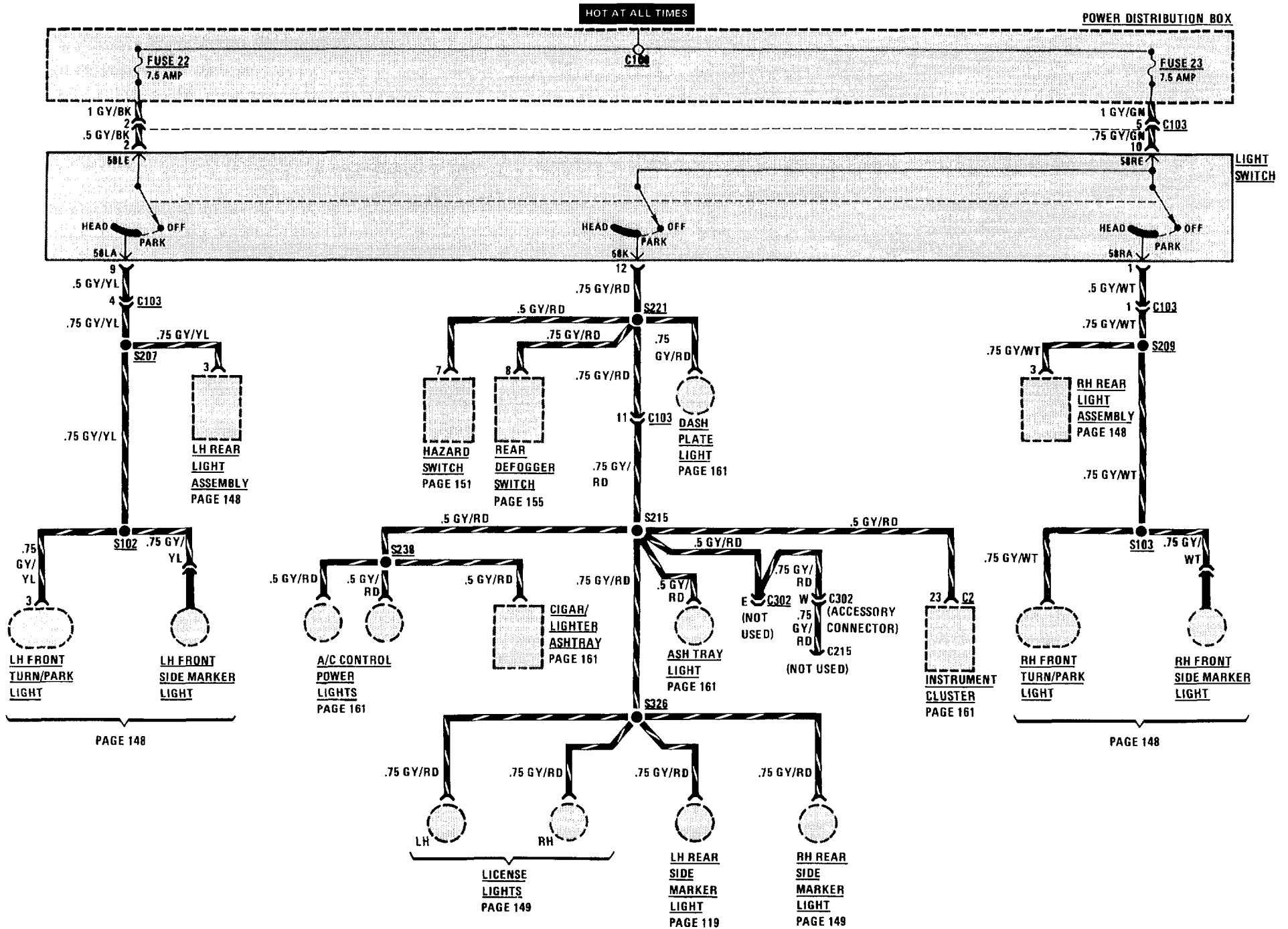


# 112 FUSE DETAILS: FUSES 19 AND 6



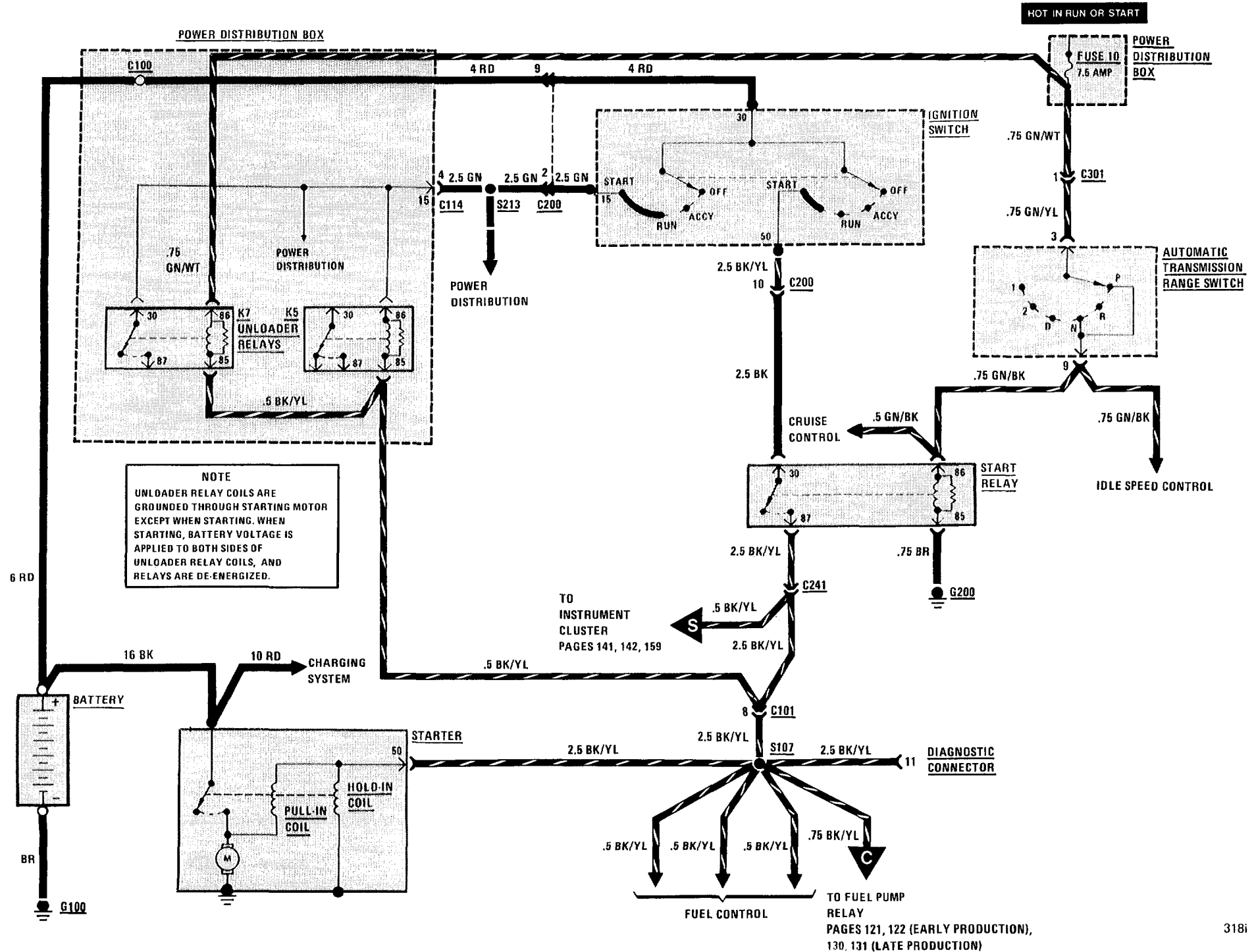


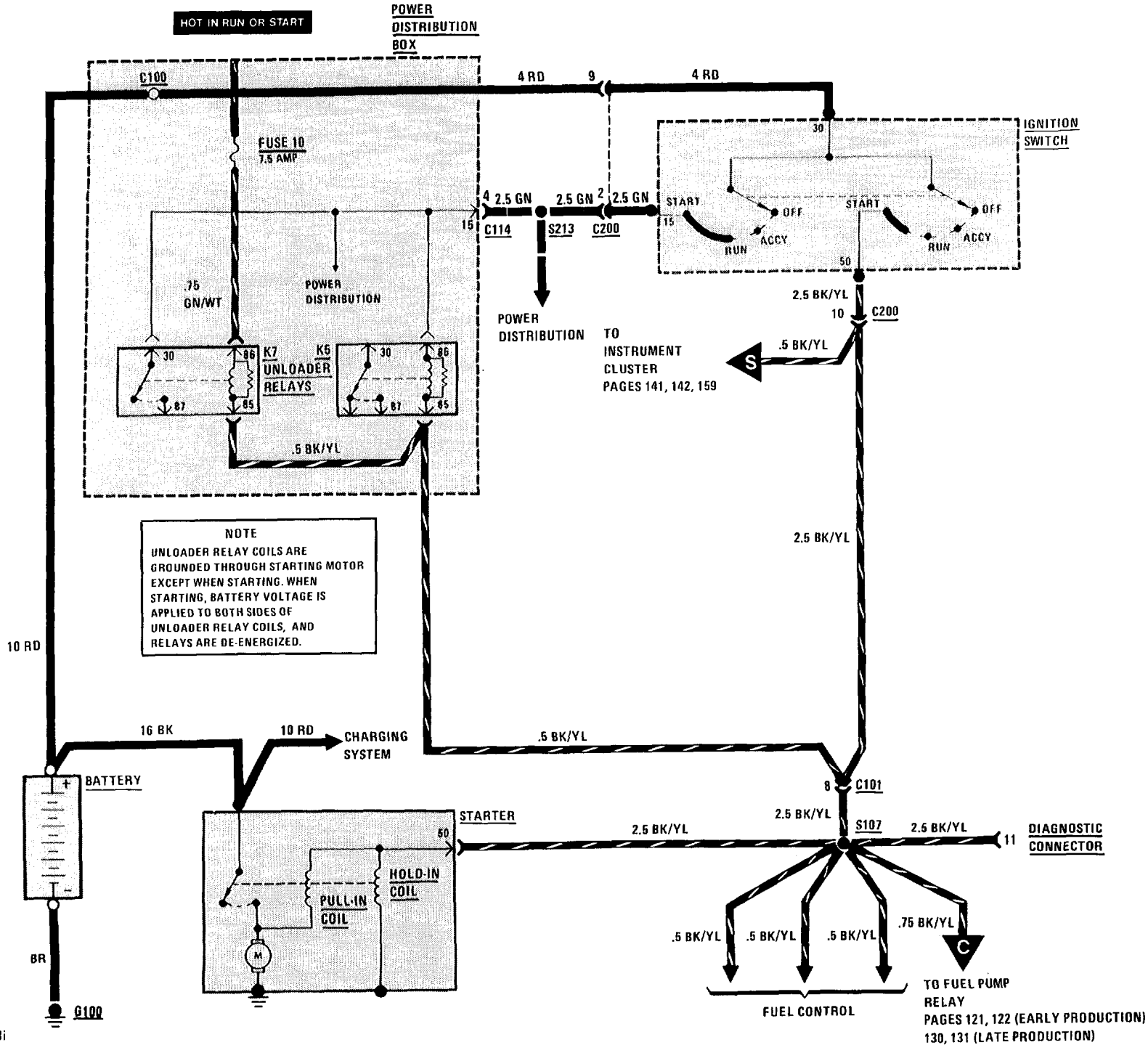




# 116 START (AUTOMATIC TRANSMISSION)

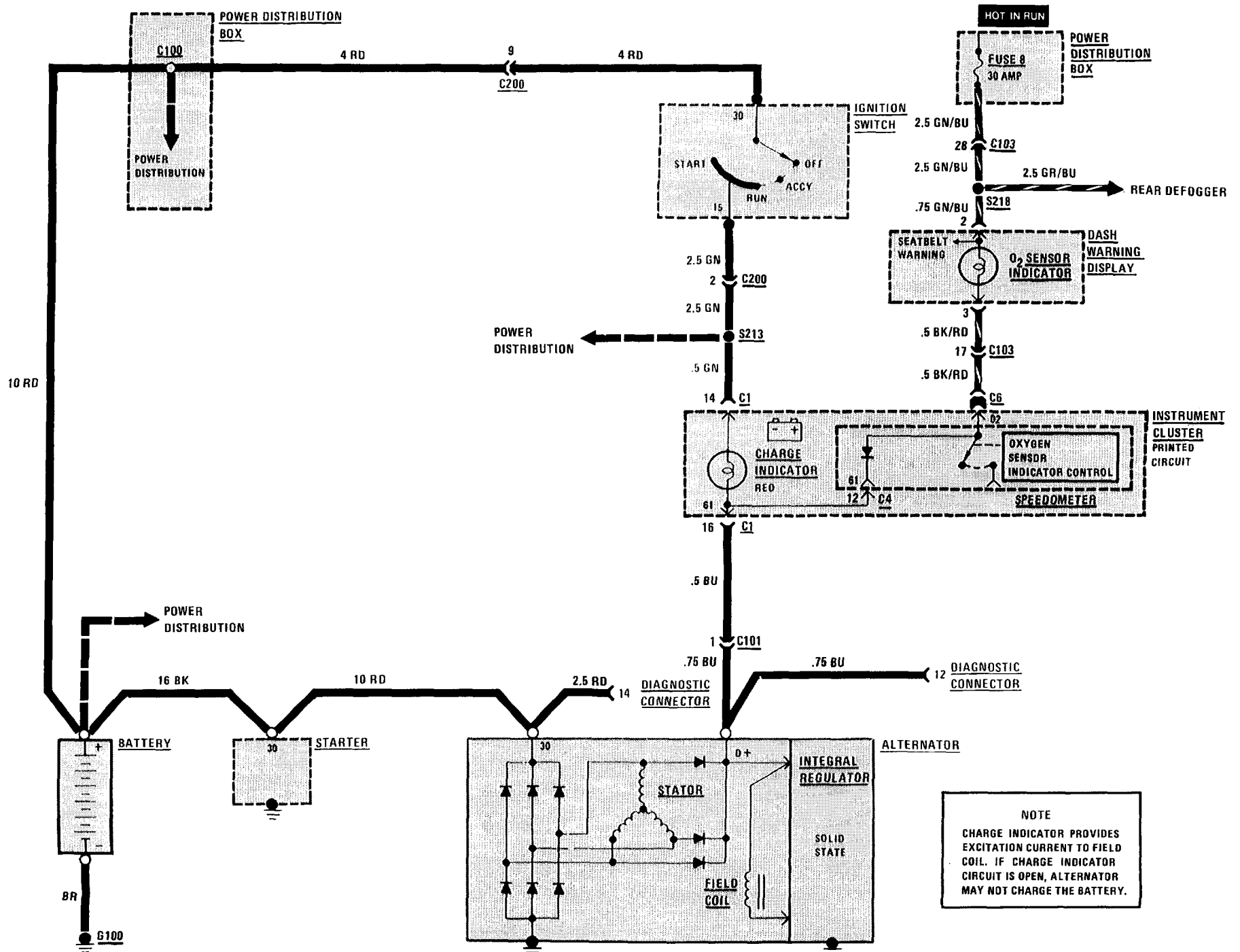
(For Component Location See Page 206)

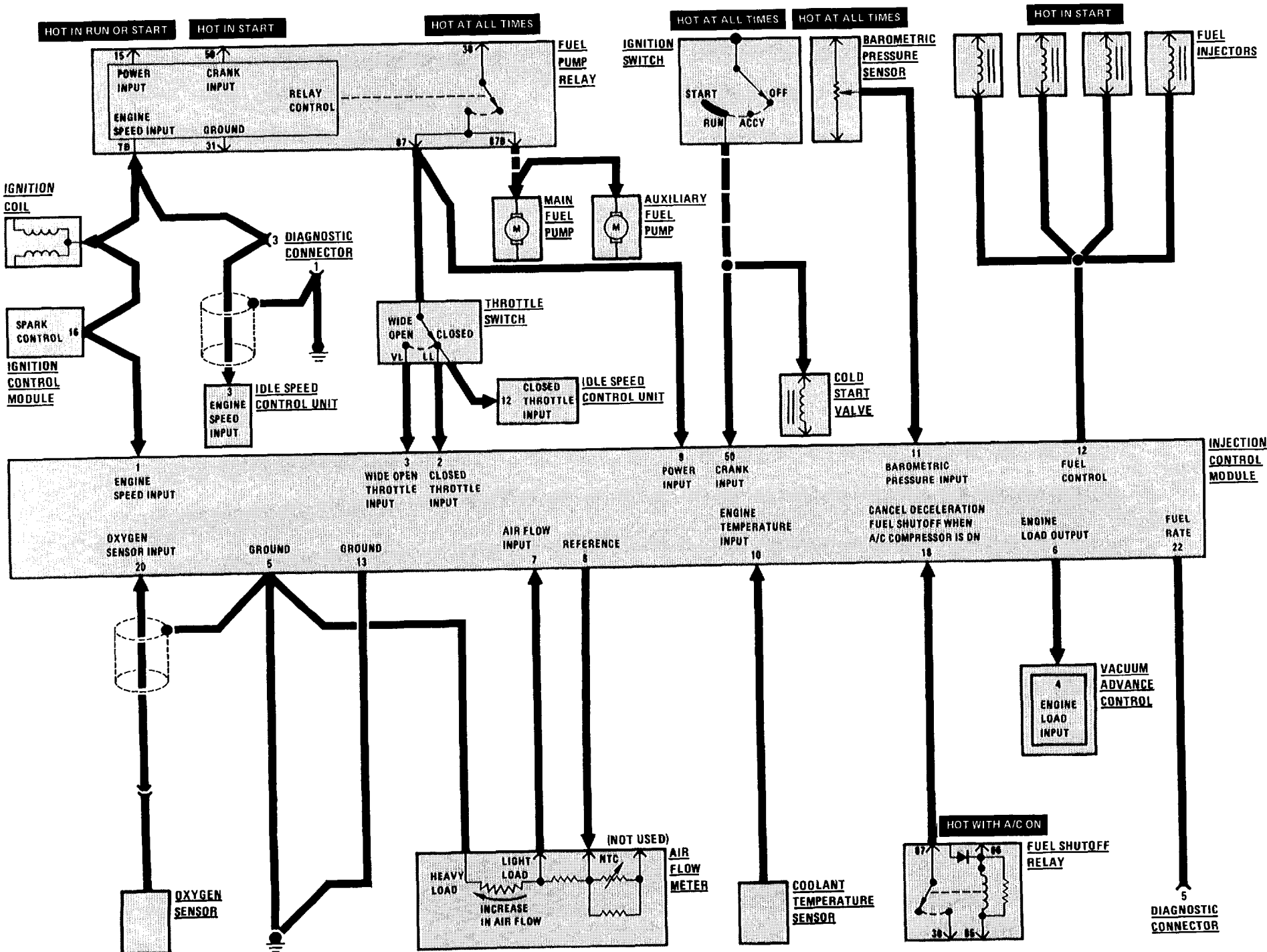




# 118 CHARGING SYSTEM

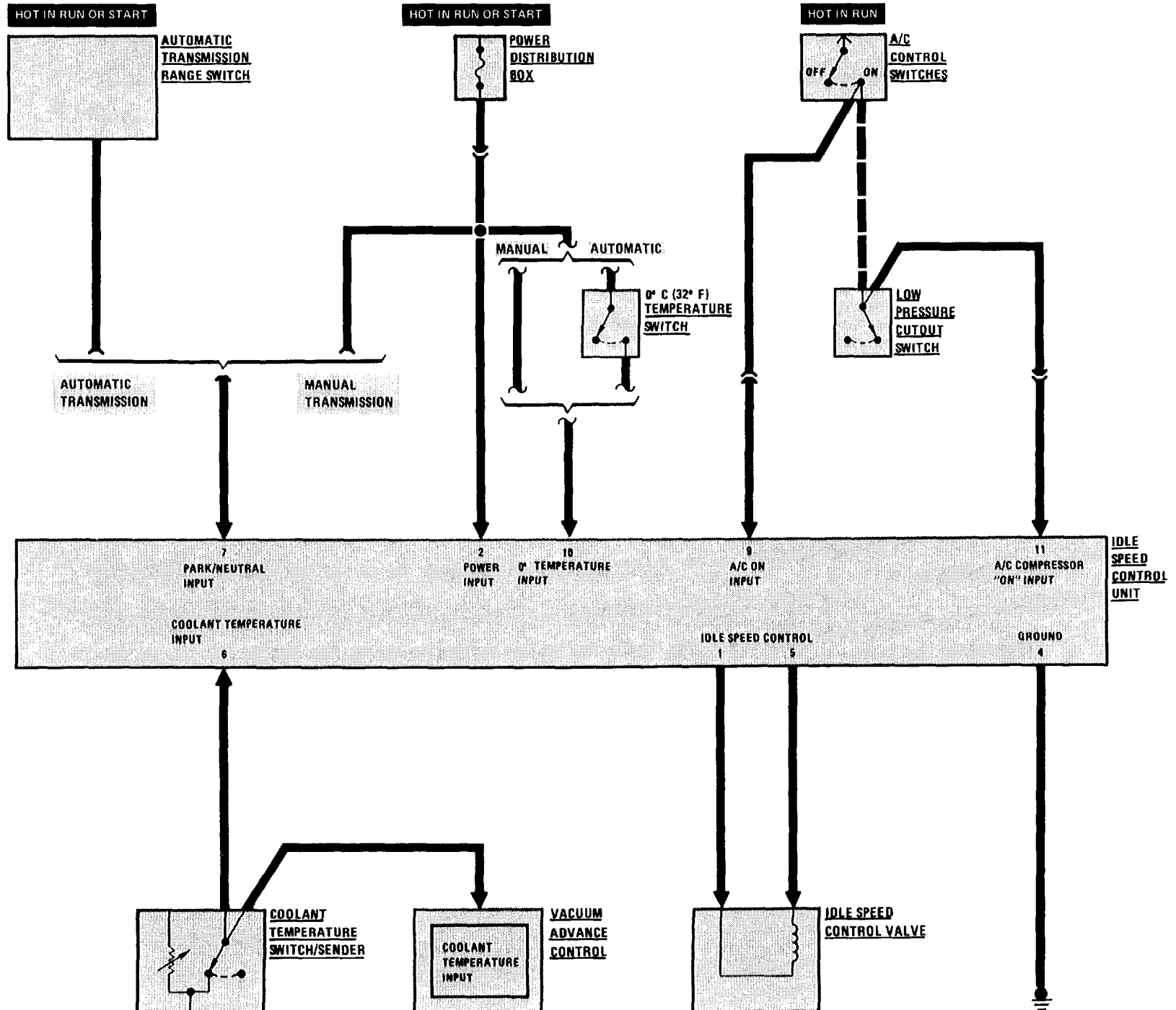
(For Component Locations See Page 204)







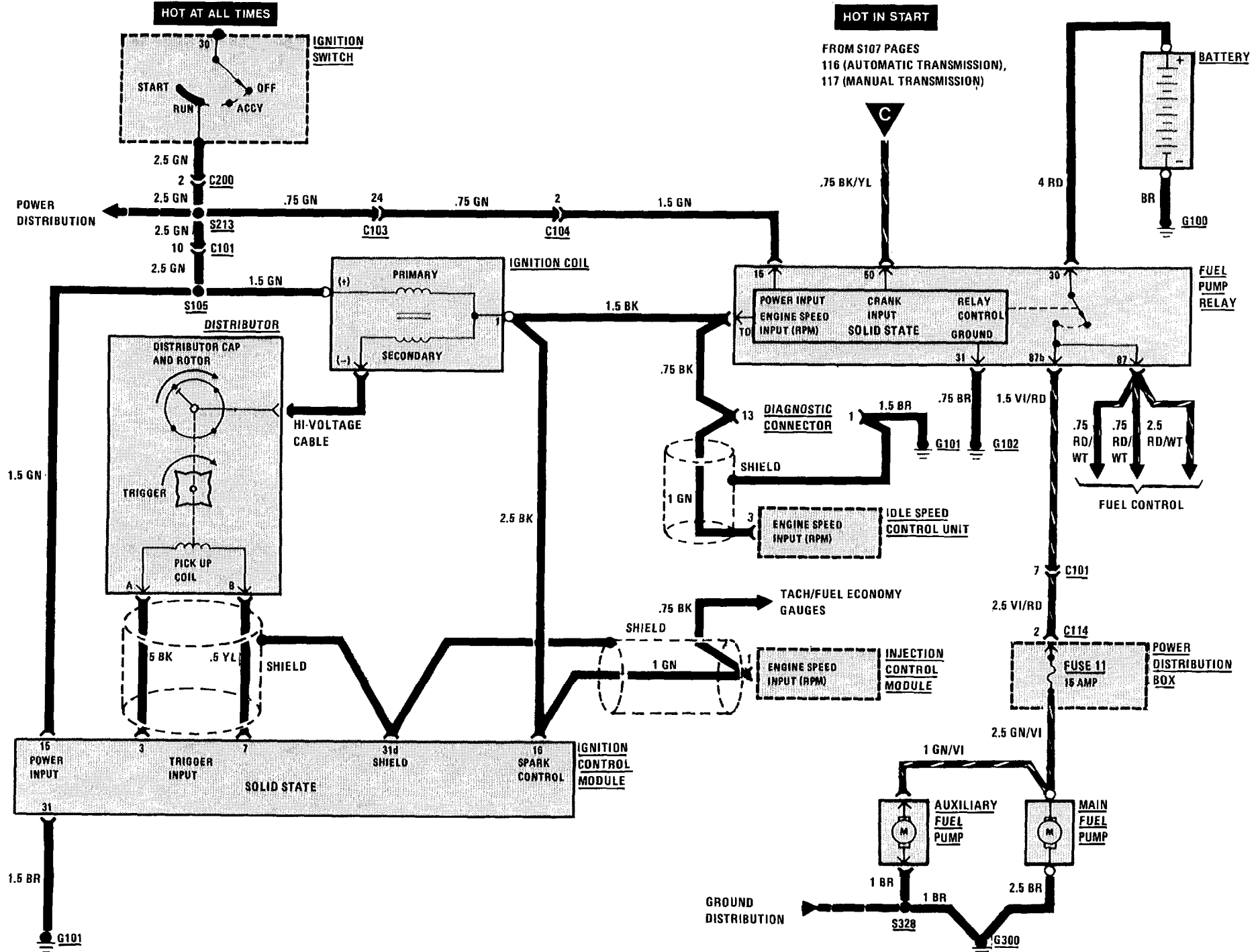
# 120 BLOCK DIAGRAM FOR 318i (EARLY PRODUCTION) ENGINE CONTROLS



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# 122 IGNITION/FUEL DELIVERY (EARLY PRODUCTION)

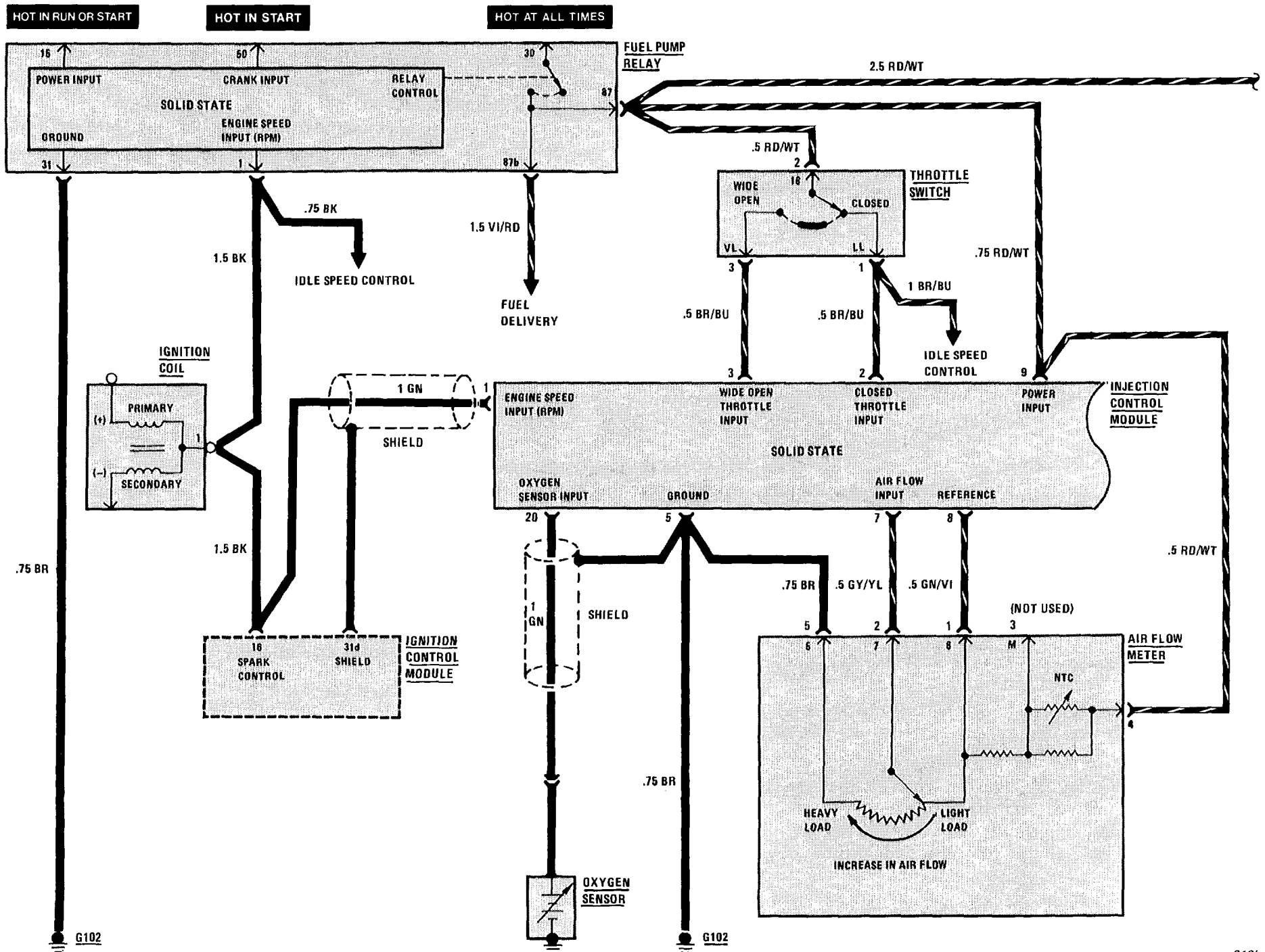
(For Component Location See Page 206)



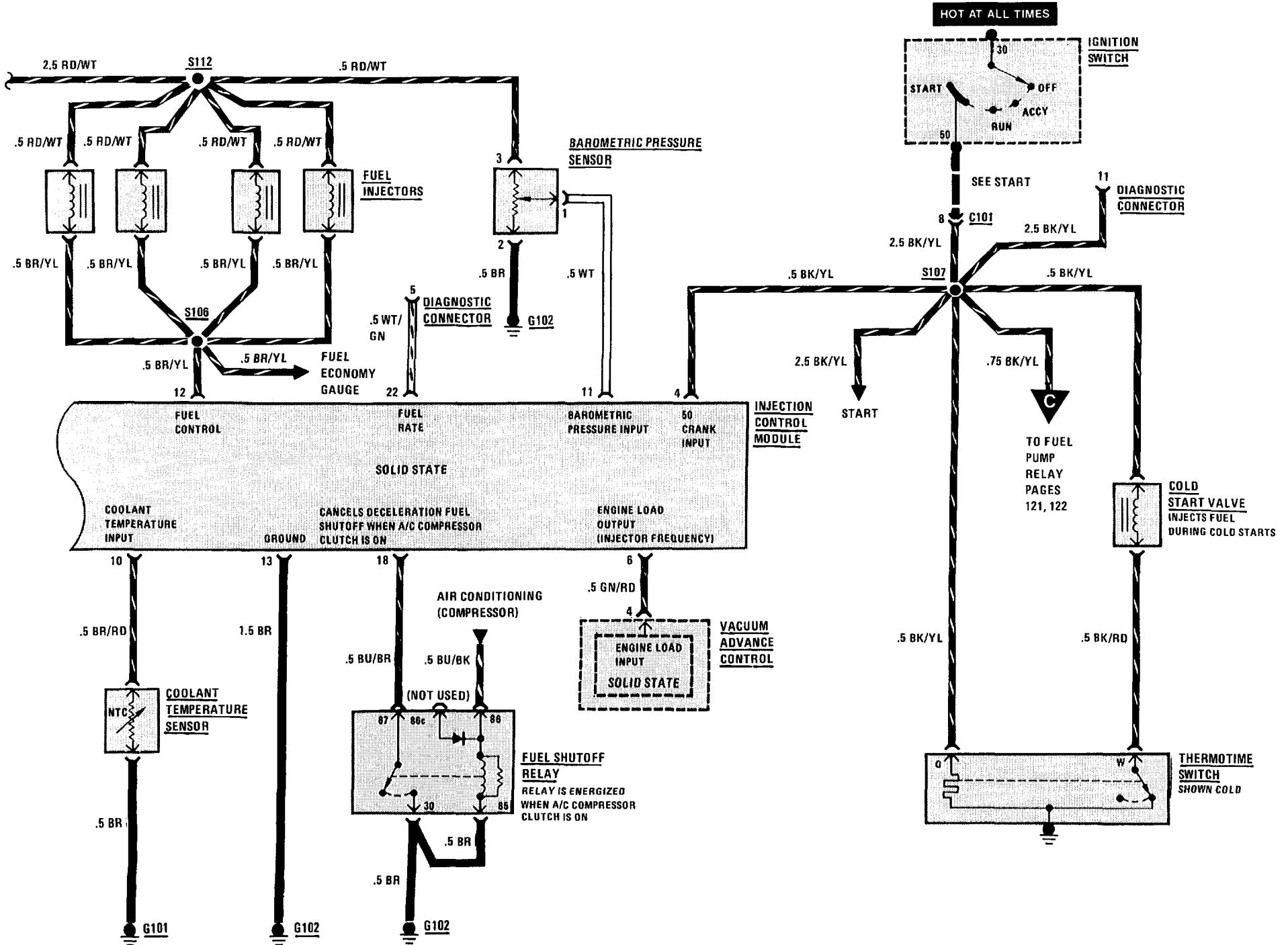
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# 124 FUEL CONTROL (EARLY PRODUCTION)

(For Component Locations See Page 204)

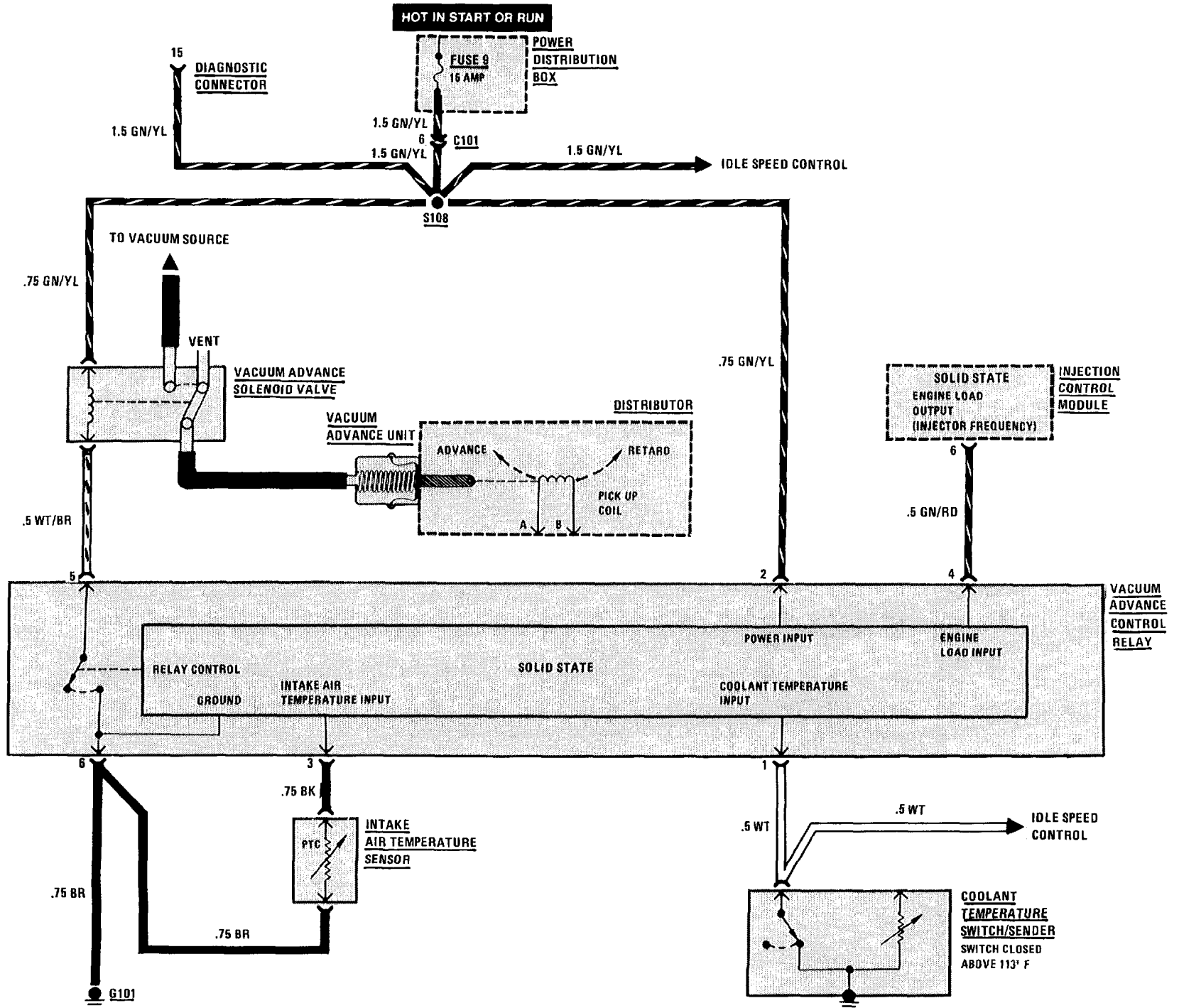


(For Component Location See Page 204)

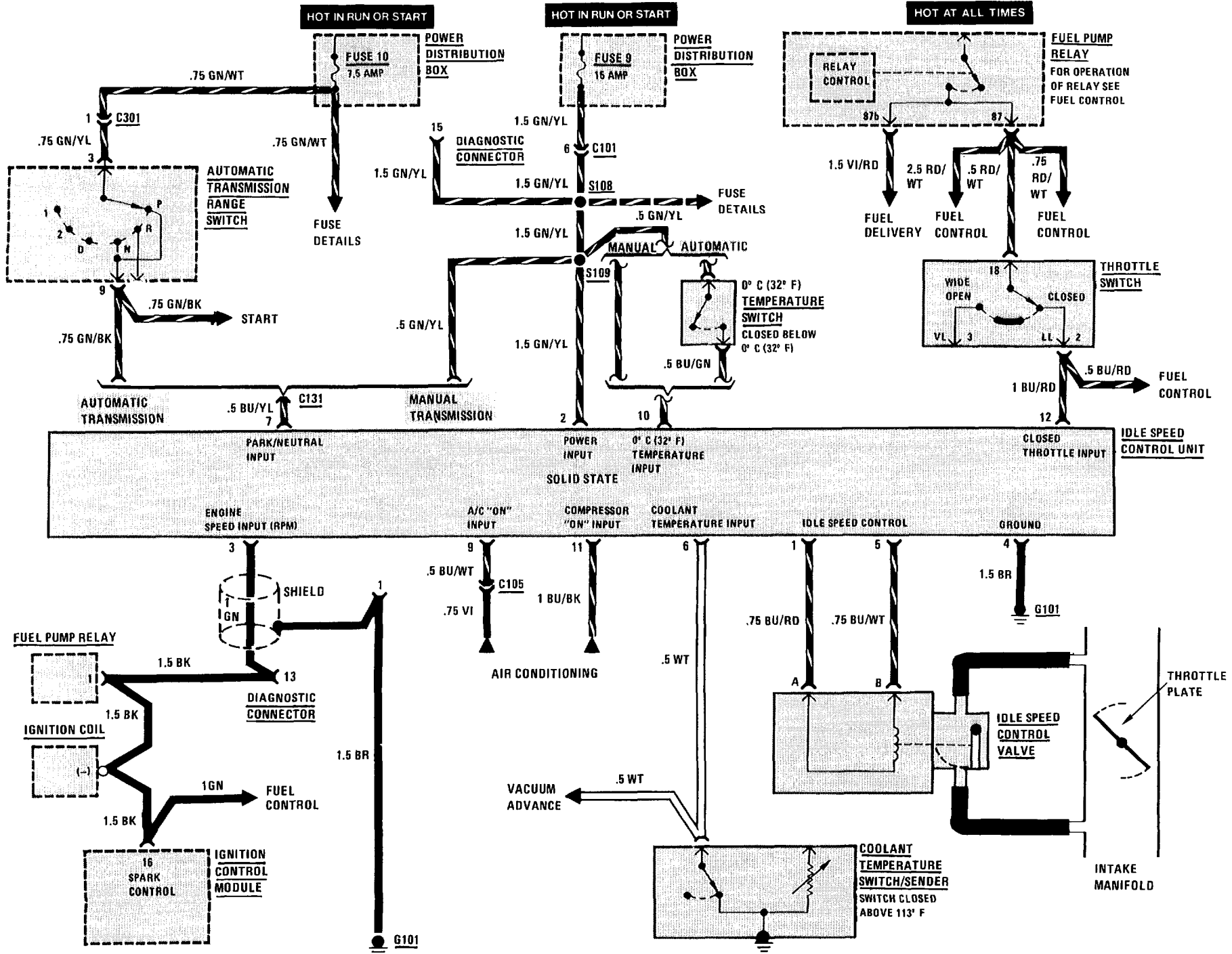


# 126 VACUUM ADVANCE (EARLY PRODUCTION)

(For Component Location See Page 207)

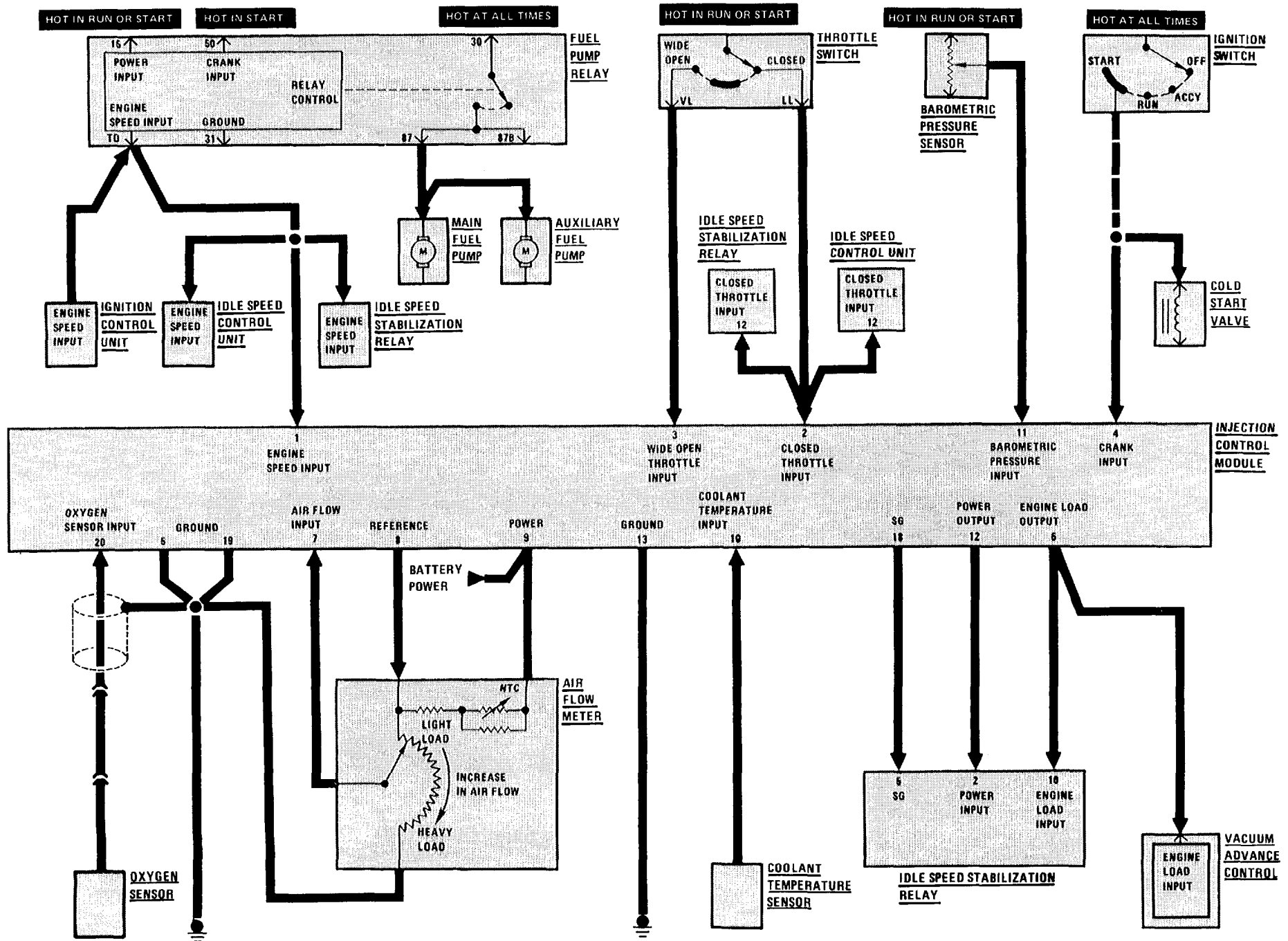


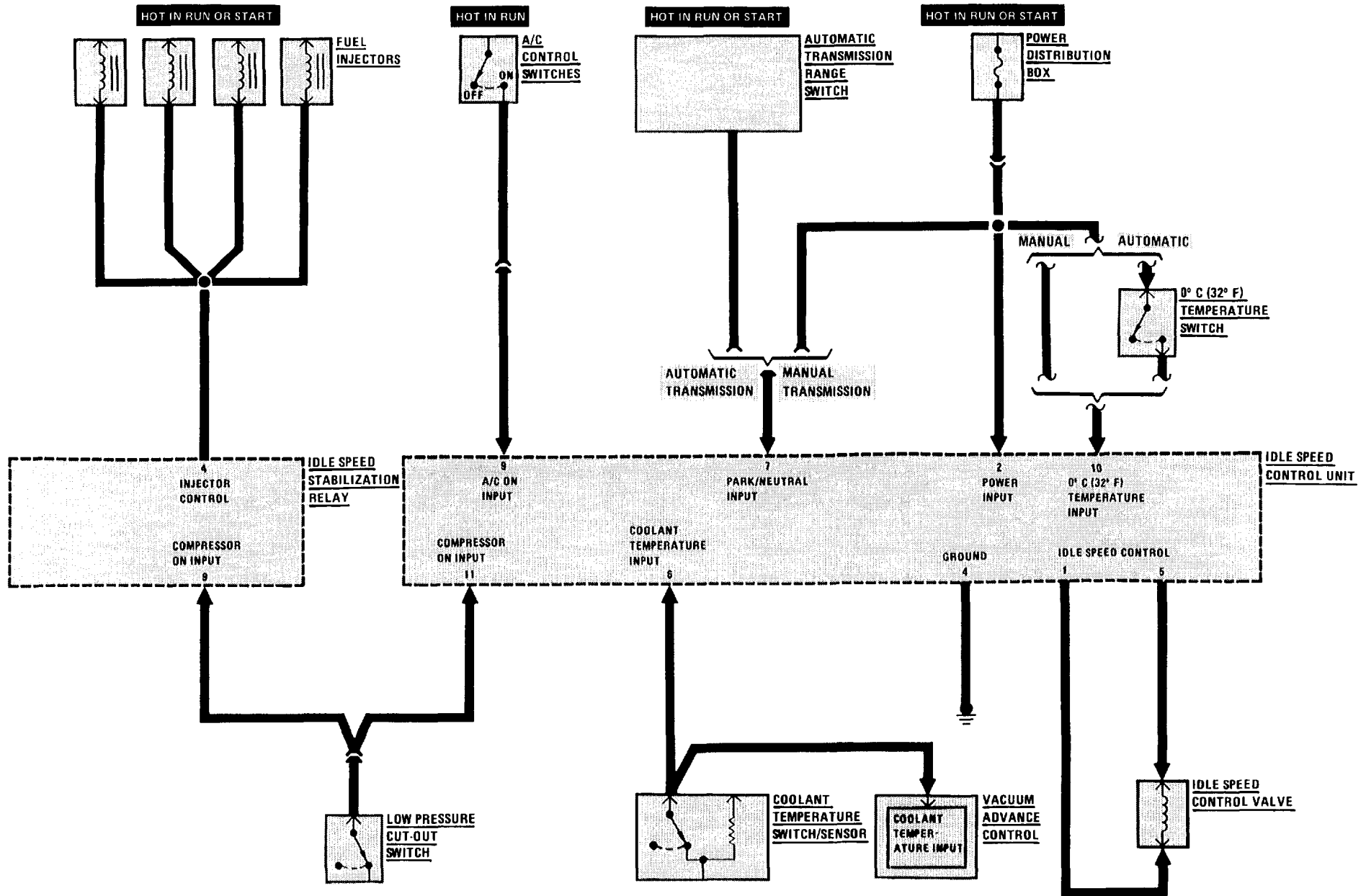
(For Component Location See Page 205)





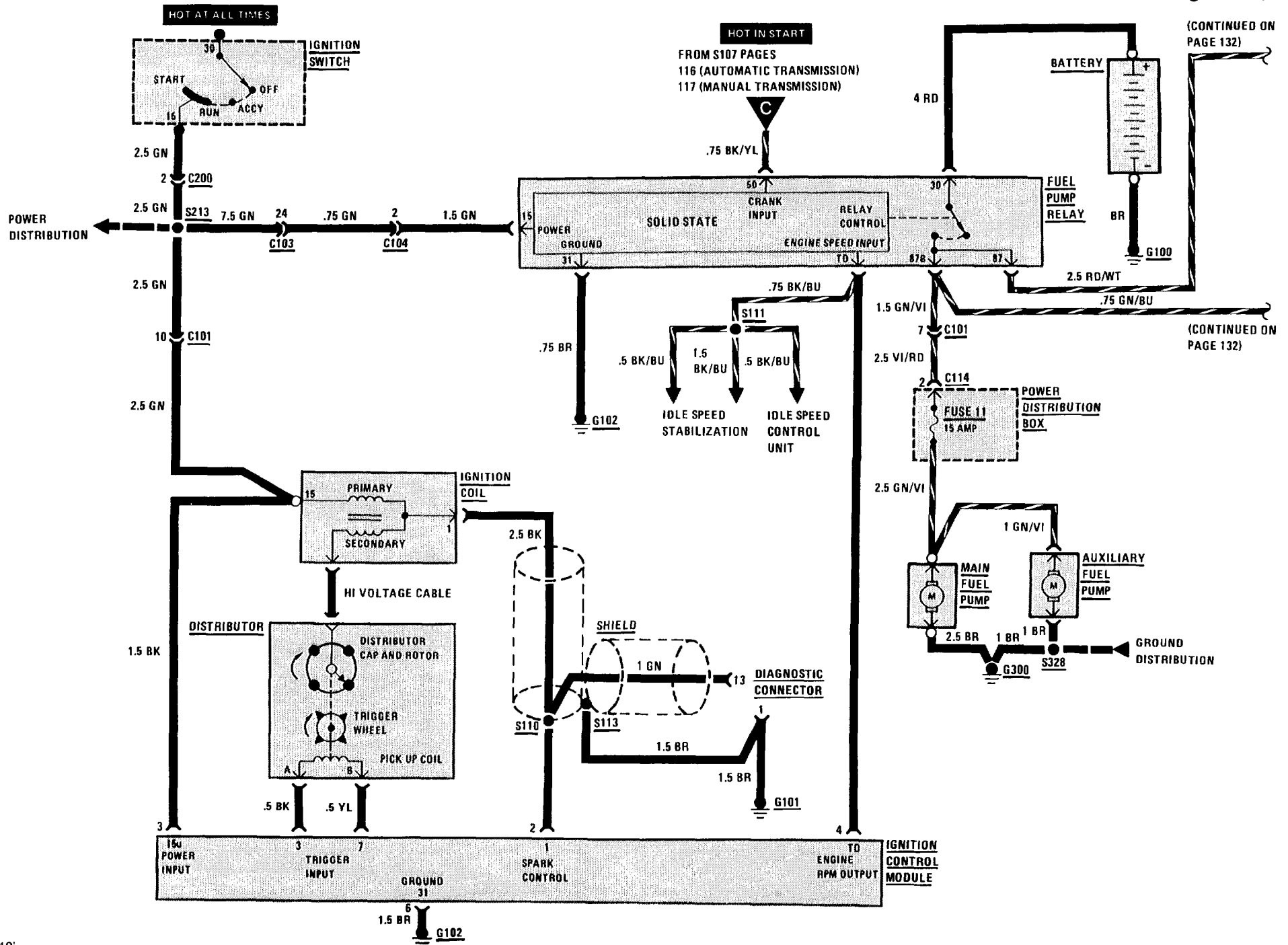
# 128 BLOCK DIAGRAM FOR 318i (LATE PRODUCTION) ENGINE CONTROL





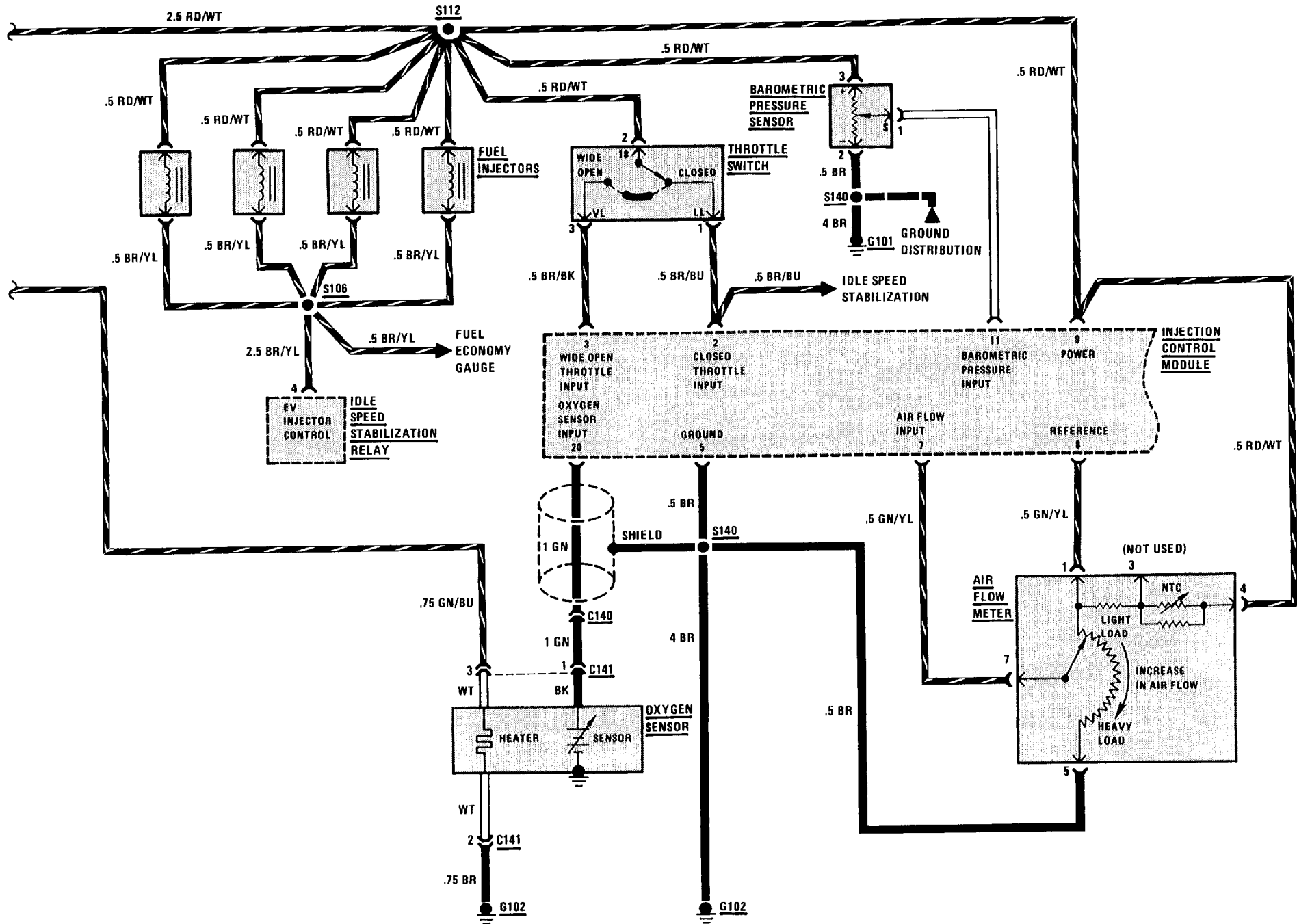
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(For Component Location See Page 206)

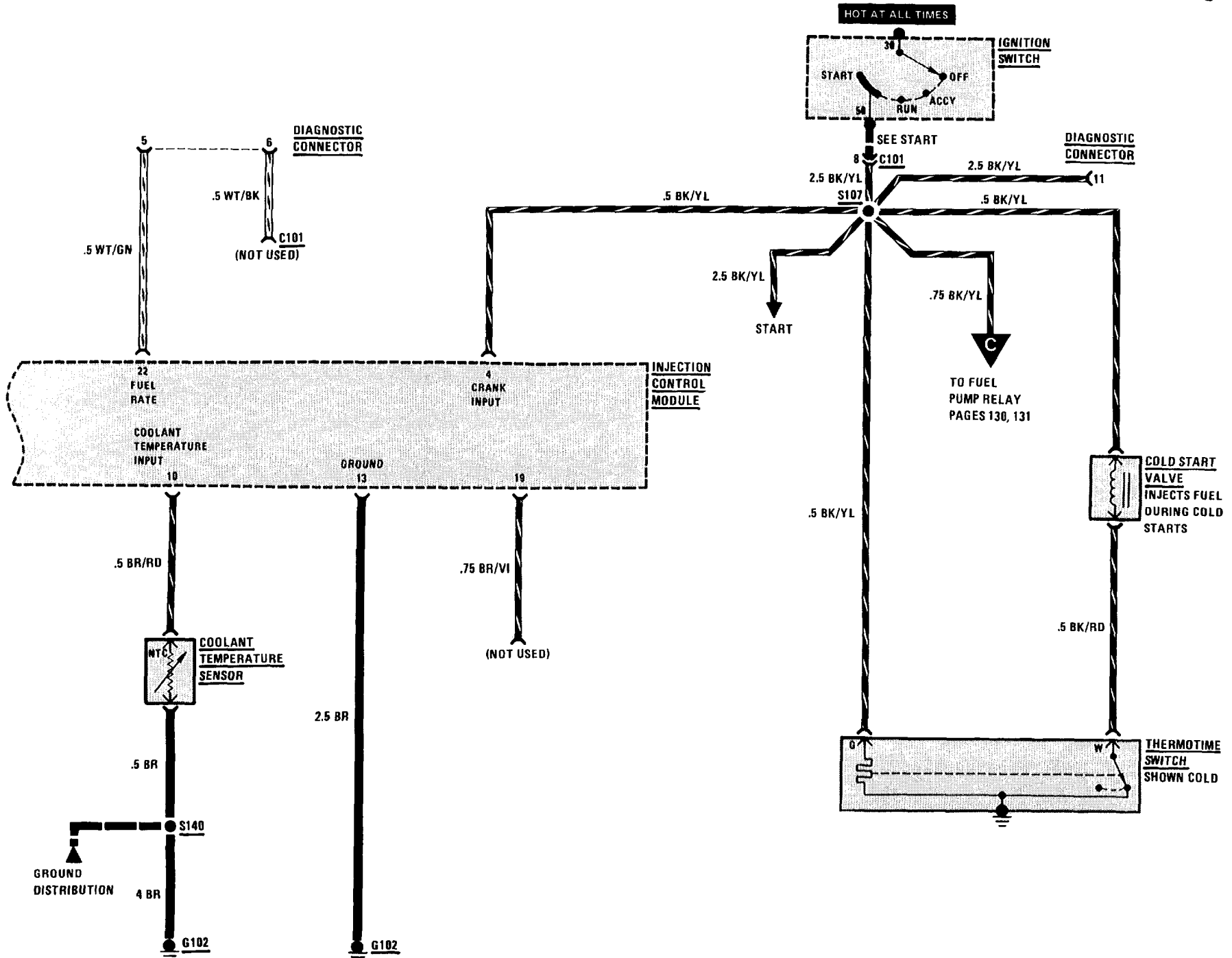


# 132 FUEL CONTROL (LATE PRODUCTION)

(For Component Location See Page 204)

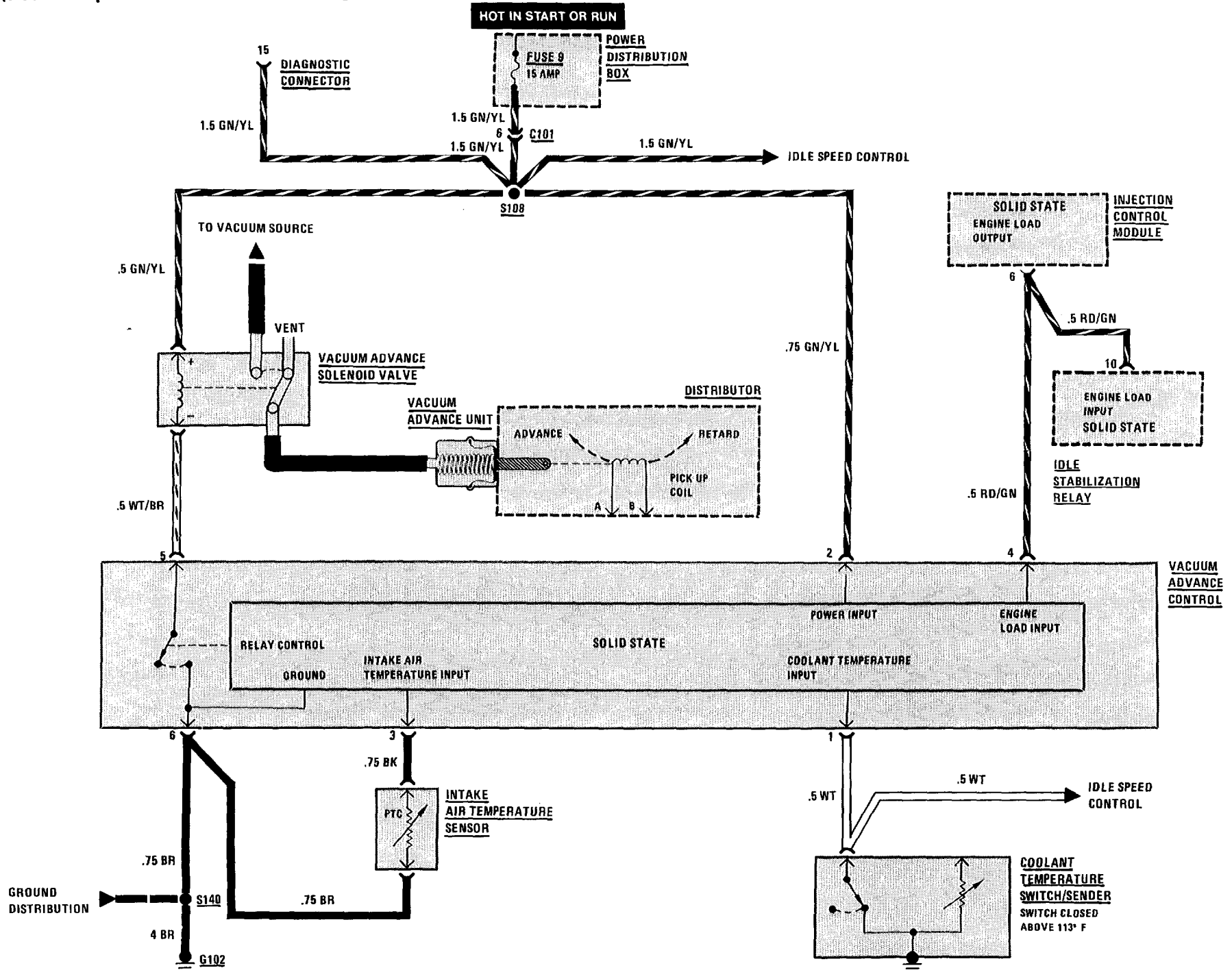


(For Component Location See Page 204)

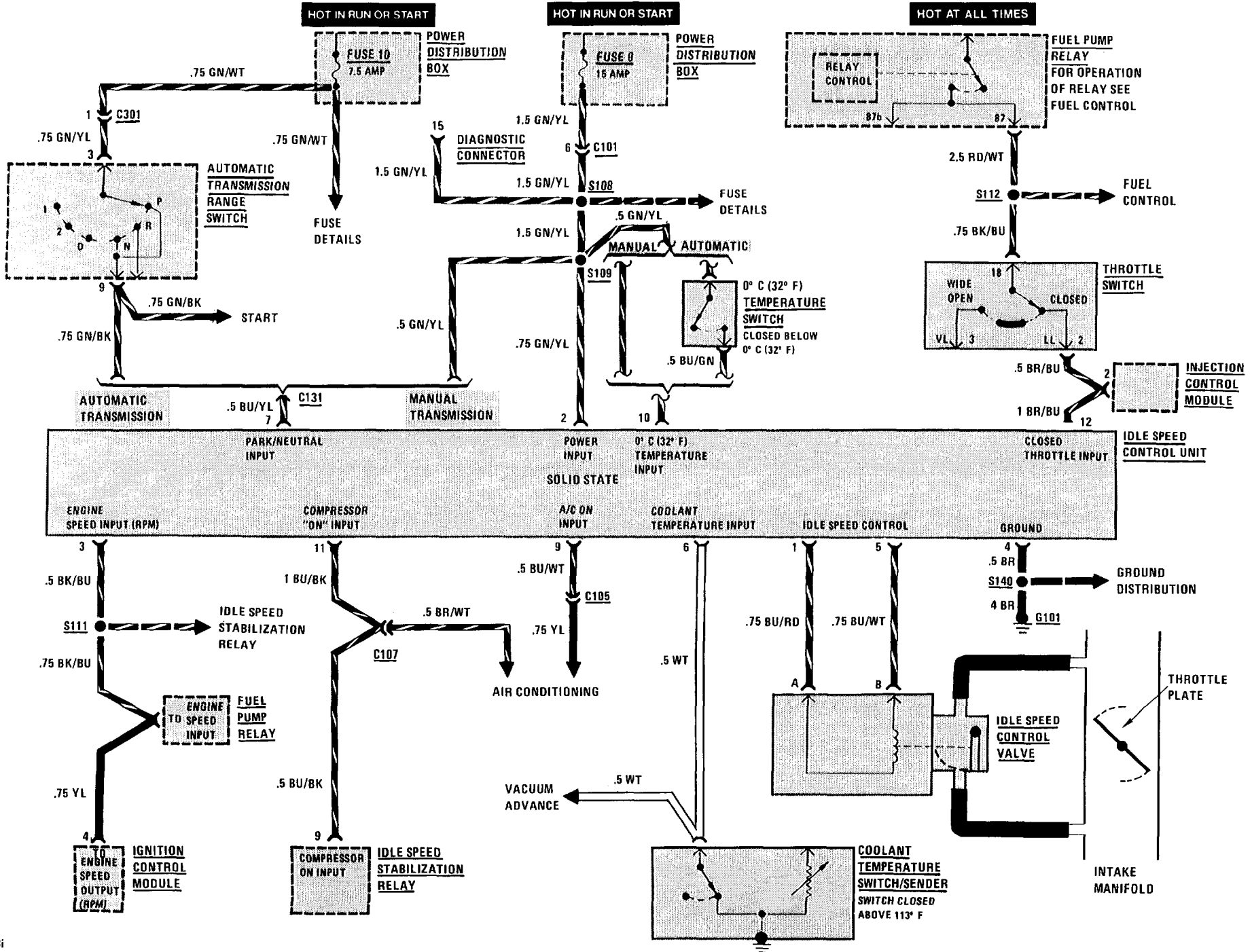


# 134 VACUUM ADVANCE (LATE PRODUCTION)

(For Component Location See Page 207)



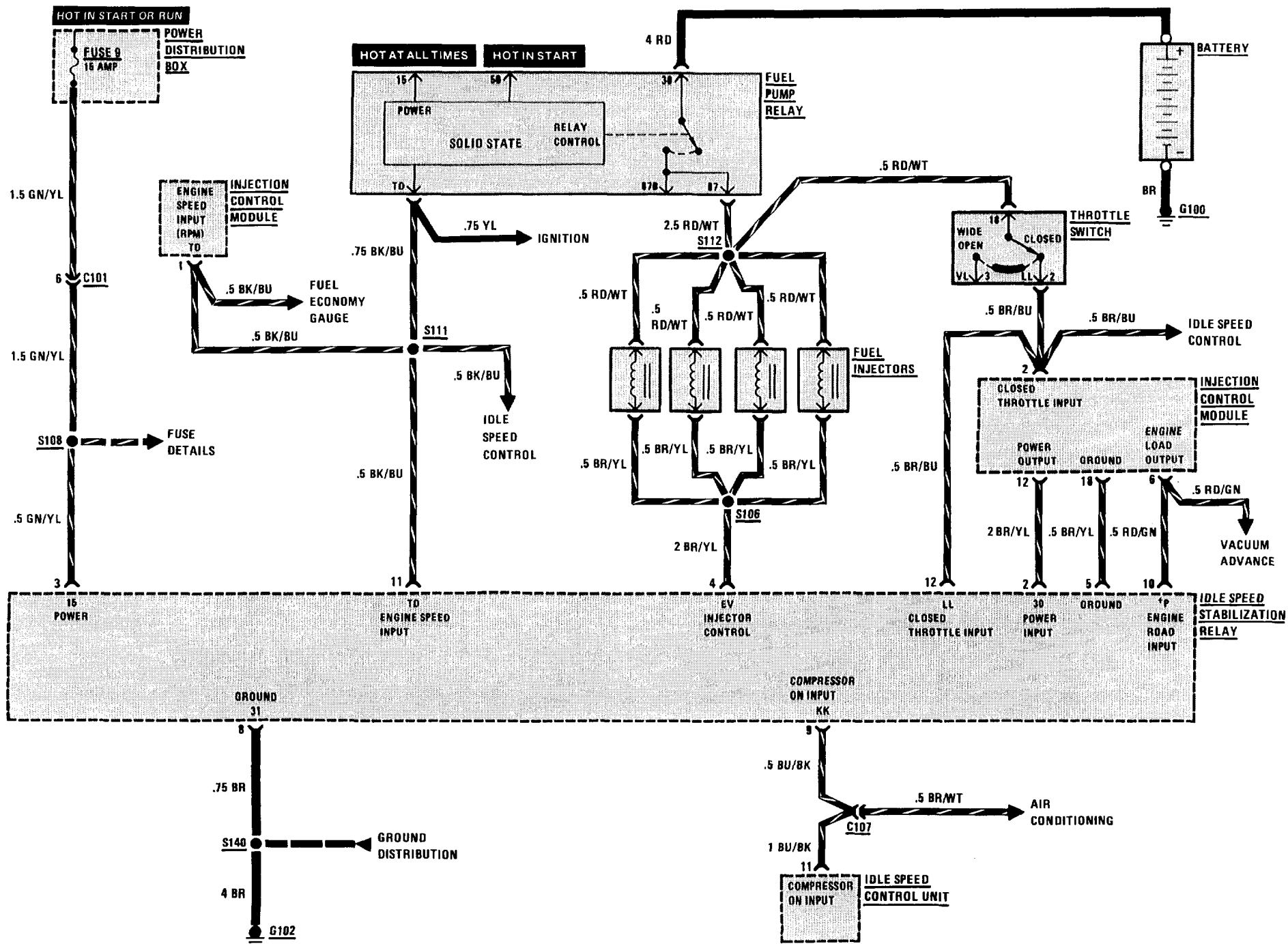
(For Component Location See Page 205)





# 136 IDLE SPEED STABILIZATION (LATE PRODUCTION)

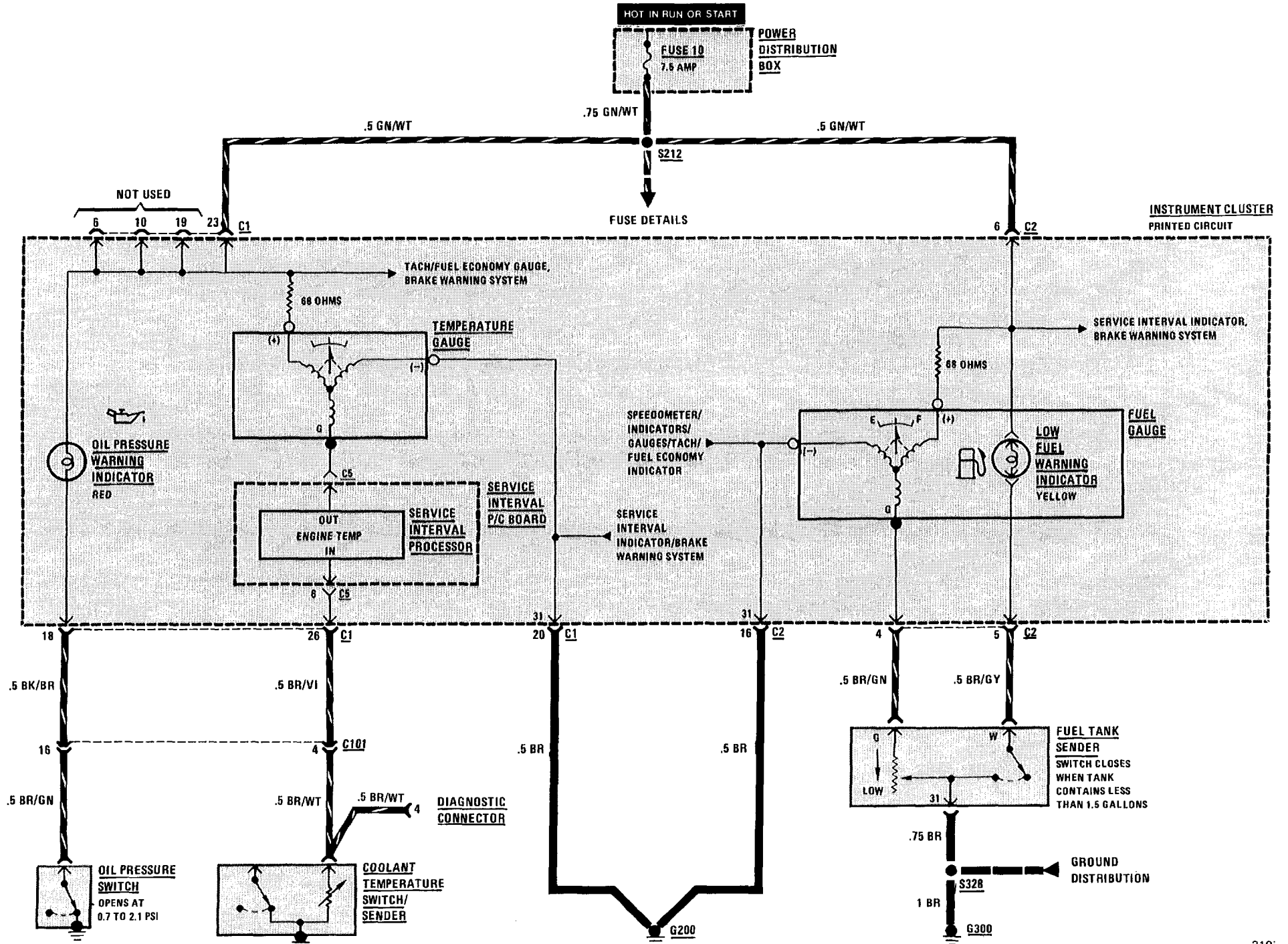
(For Component Location See Page 205)



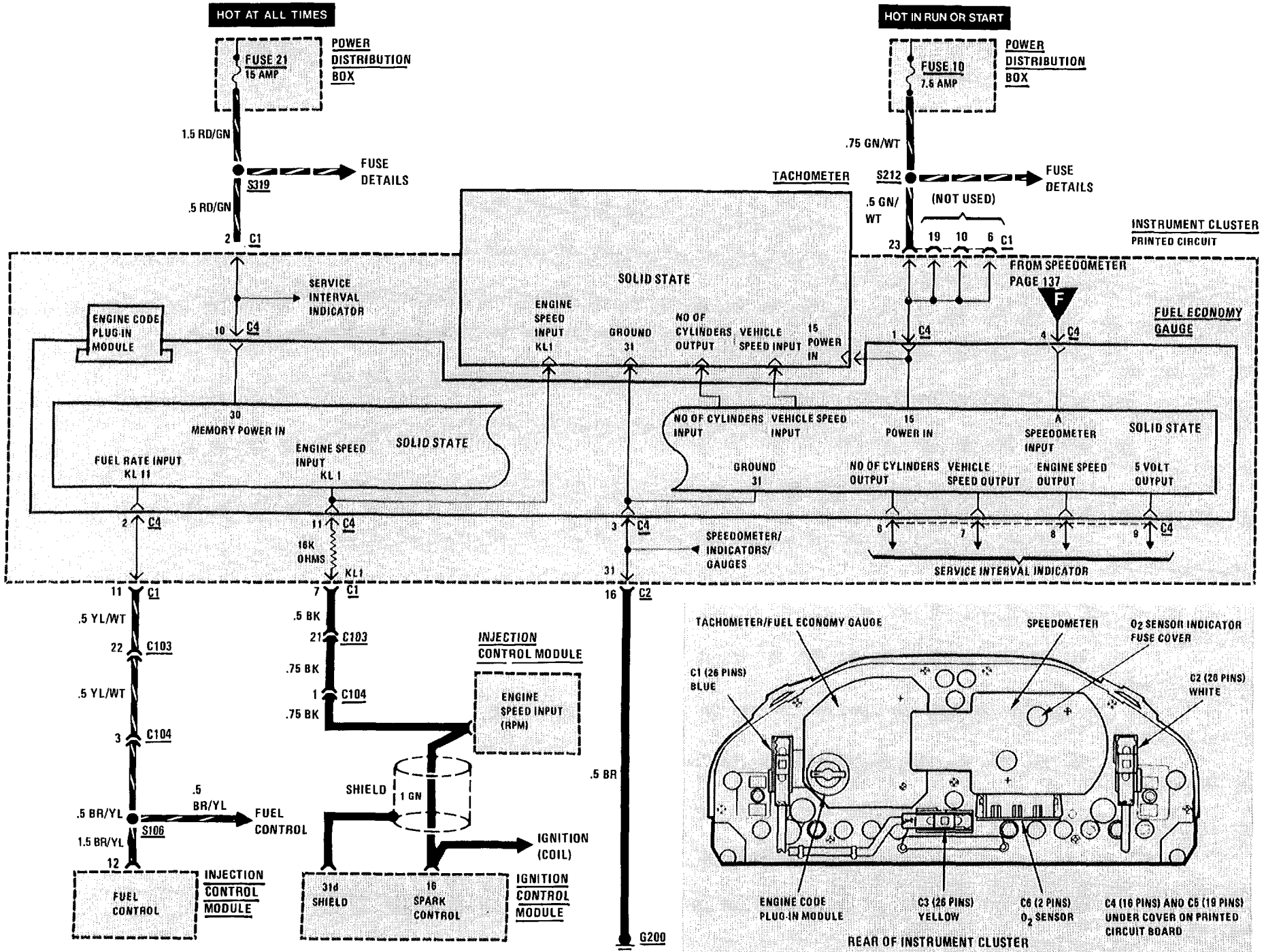


# 138 GAUGES/INDICATORS

(For Component Location See Page 214)

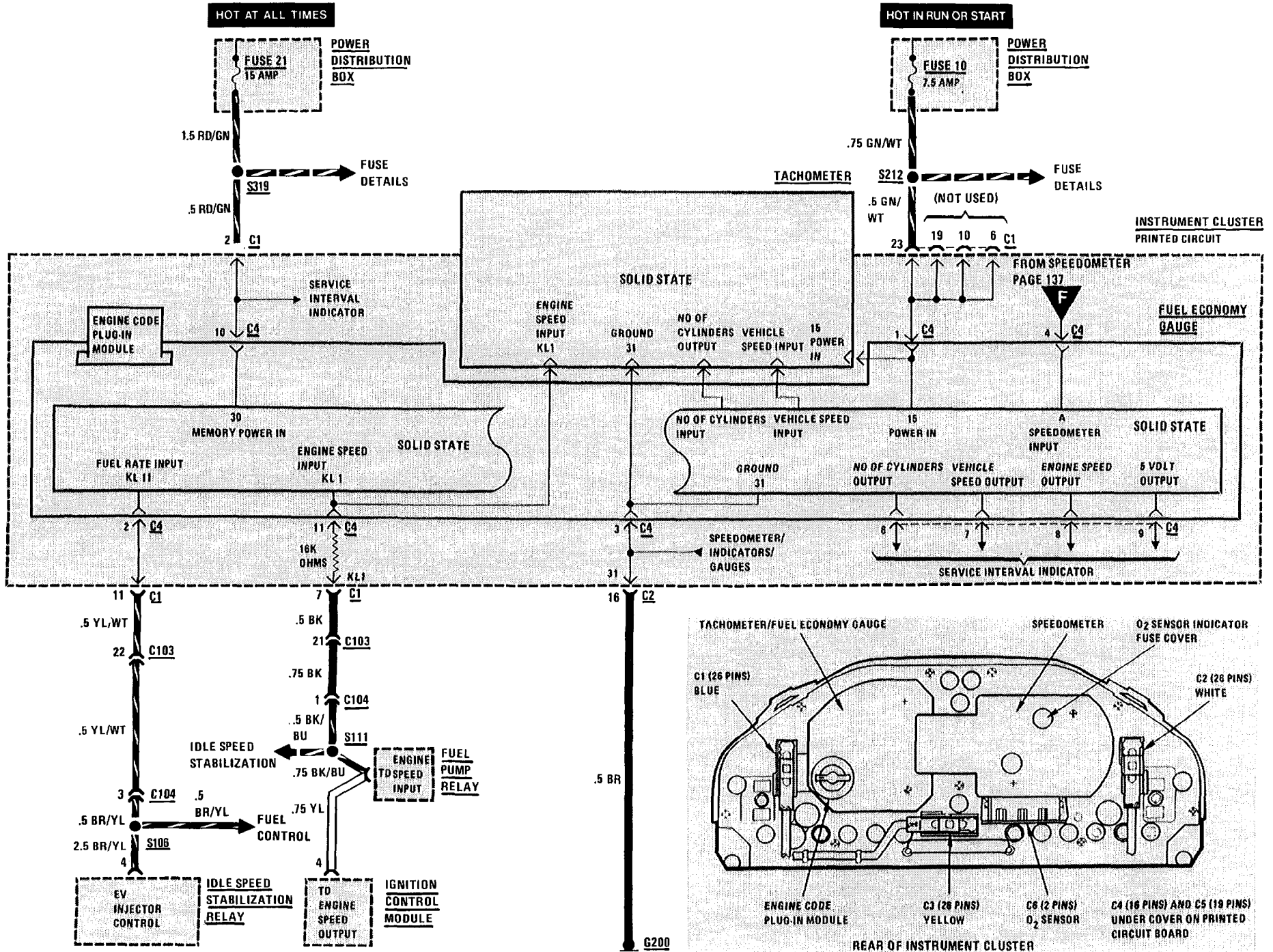


(For Component Location See Page 219)

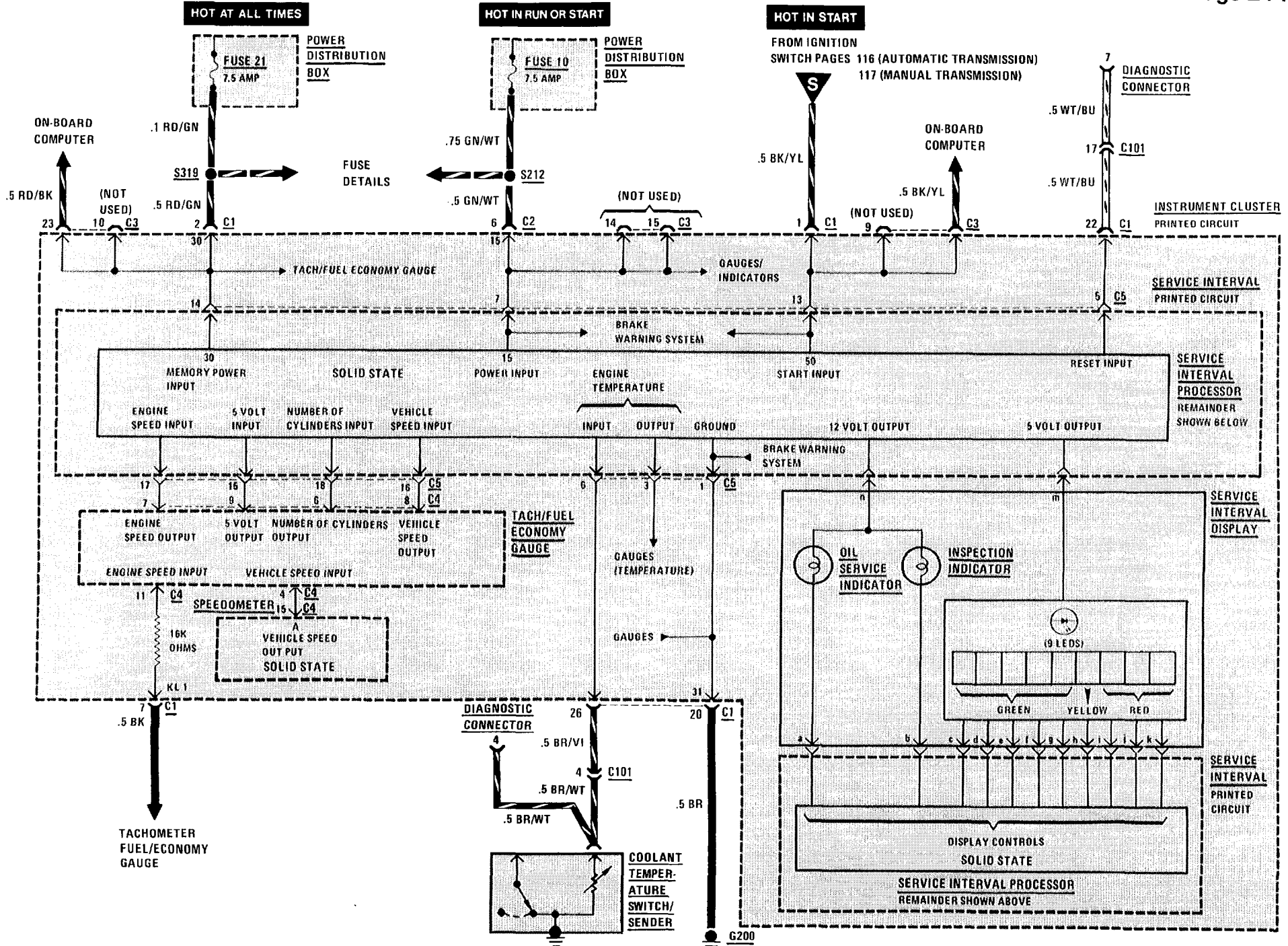


# 140 TACHOMETER/FUEL ECONOMY GAUGE (LATE PRODUCTION)

(For Component Location See Page 219)

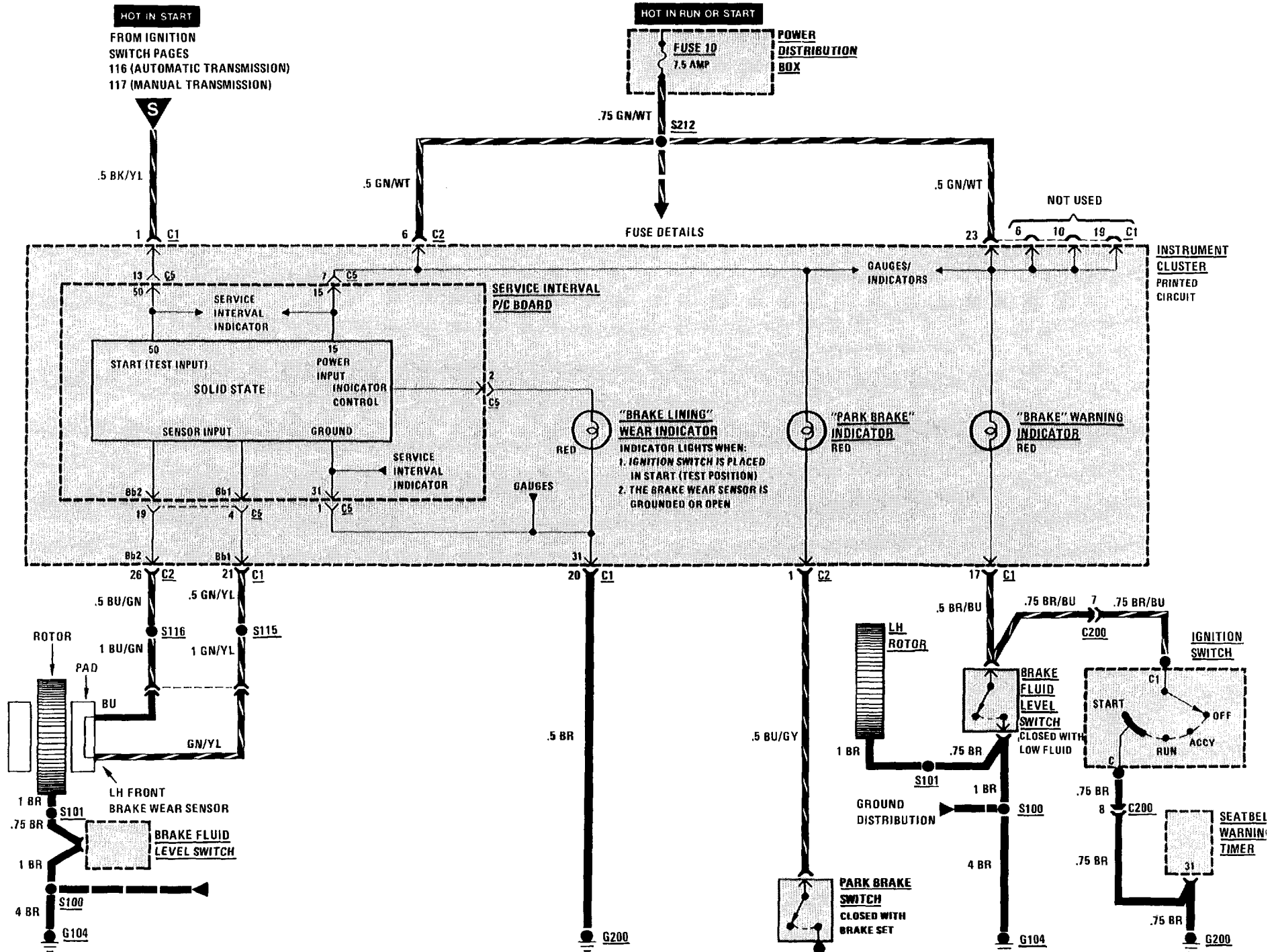


(For Component Location See Page 214)

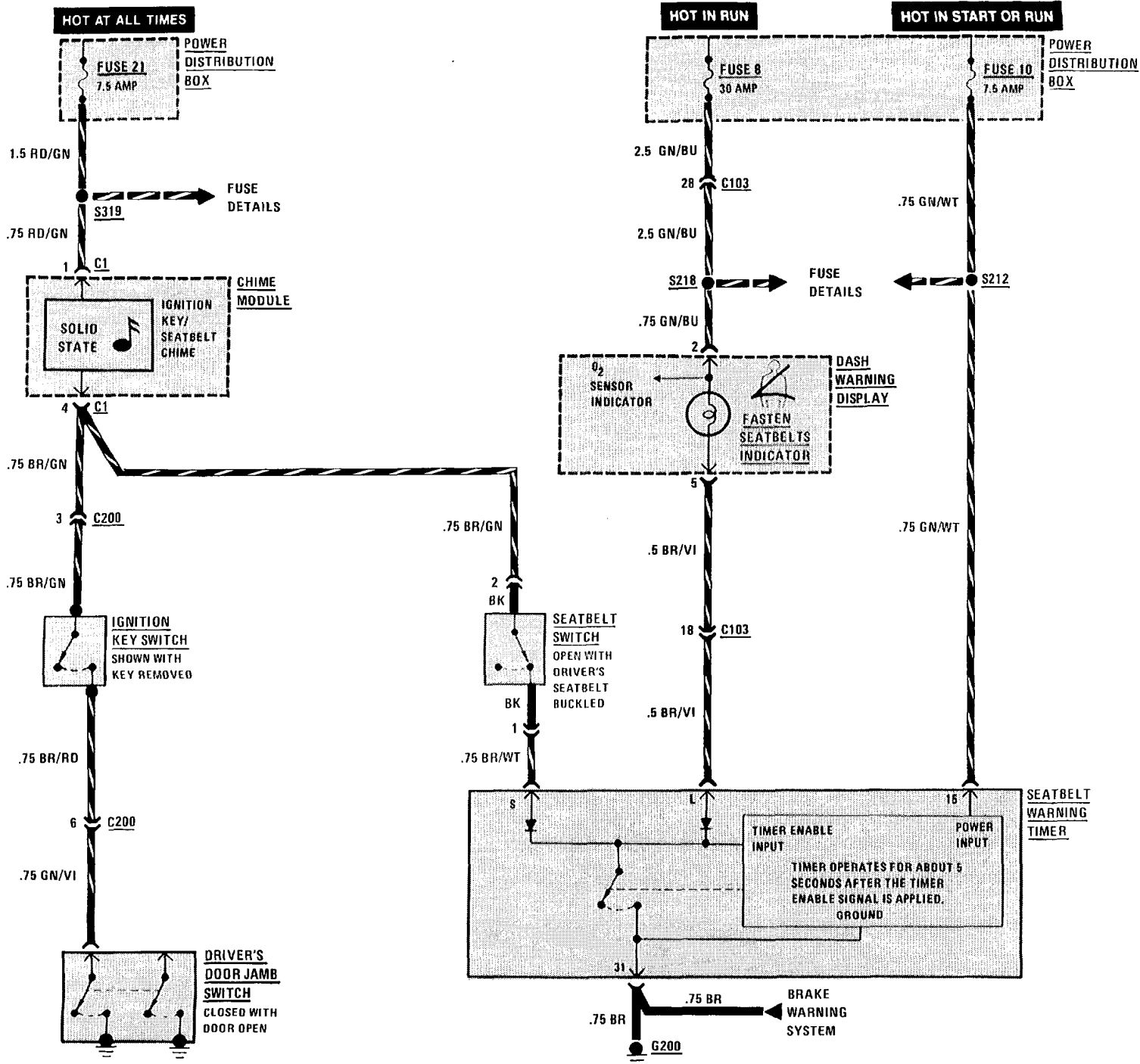


# 142 BRAKE WARNING SYSTEM

(For Component Location See Page 202)



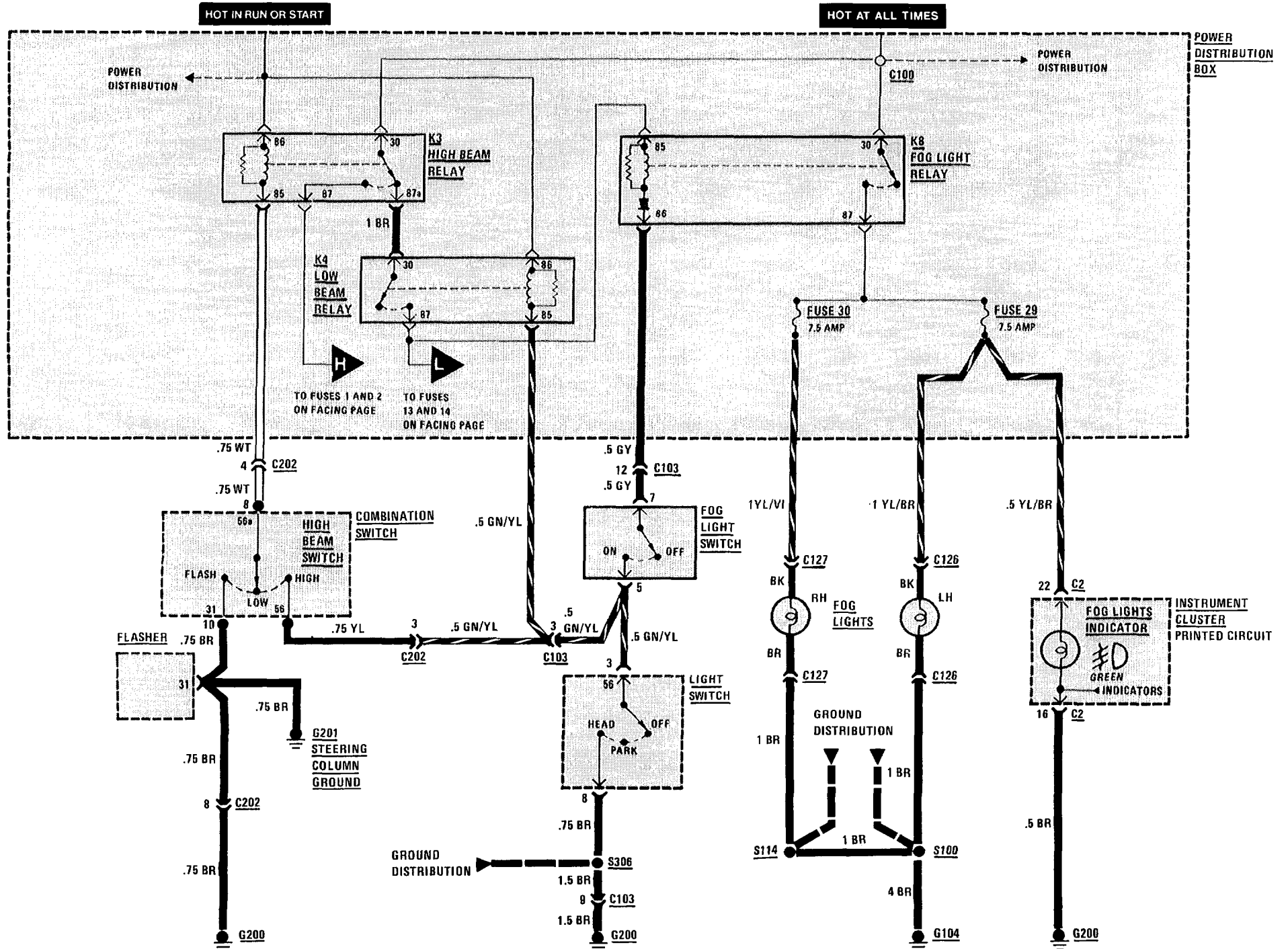
(For Component Location See Page 211)



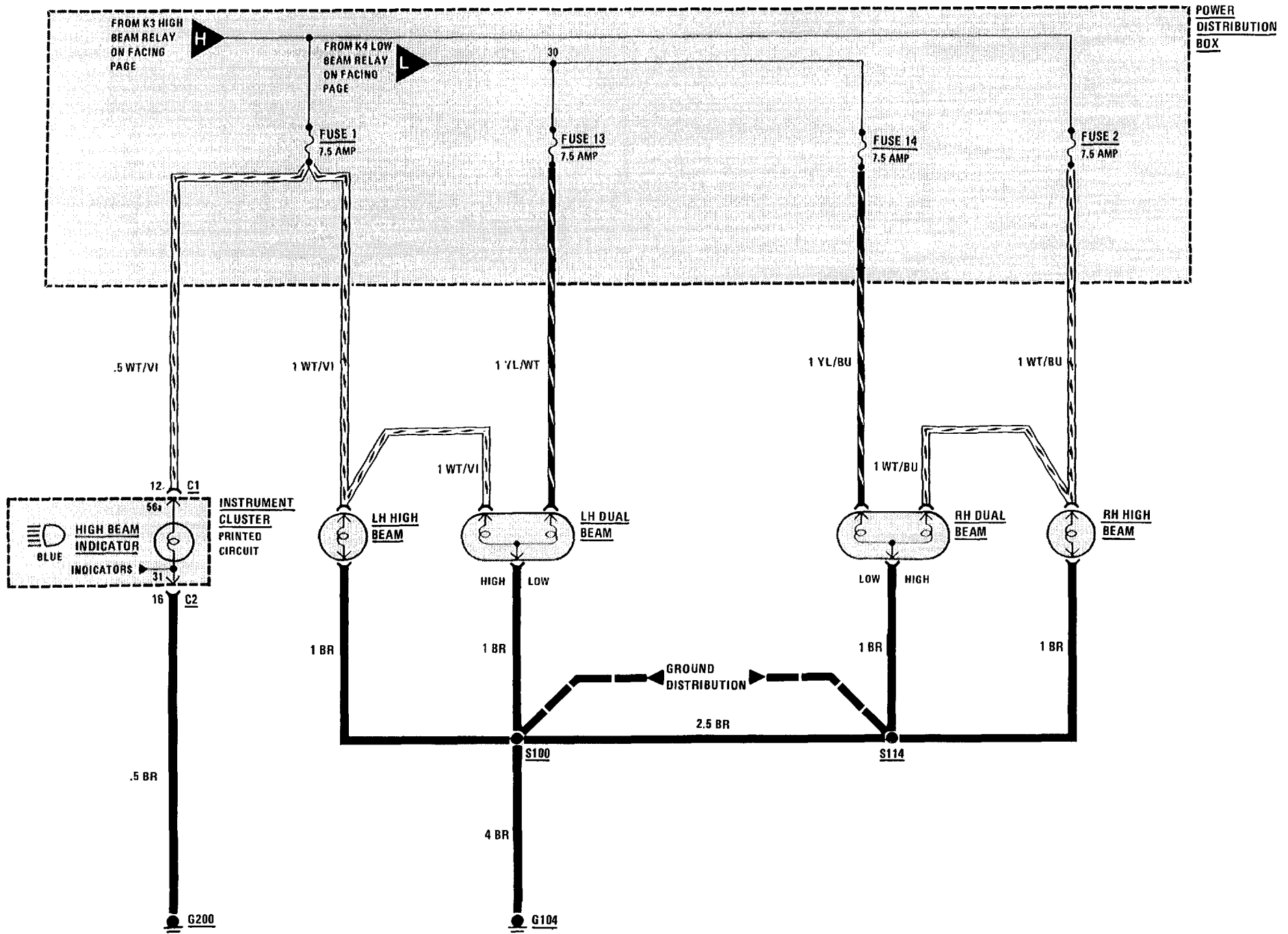


# 144 HEADLIGHTS (CONTROL)/FOG LIGHTS

(For Component Location See Page 210)

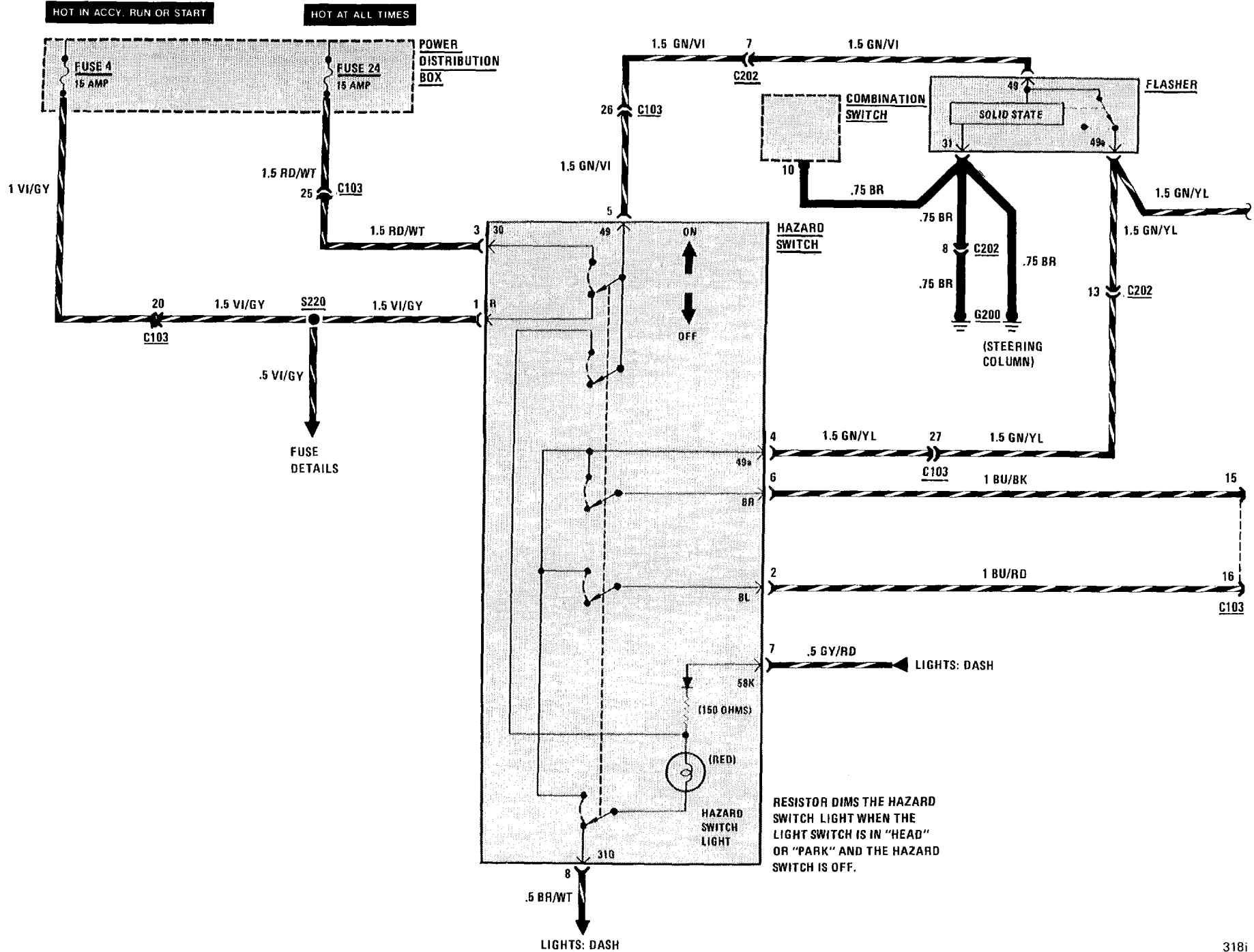


(For Component Location See Page 210)

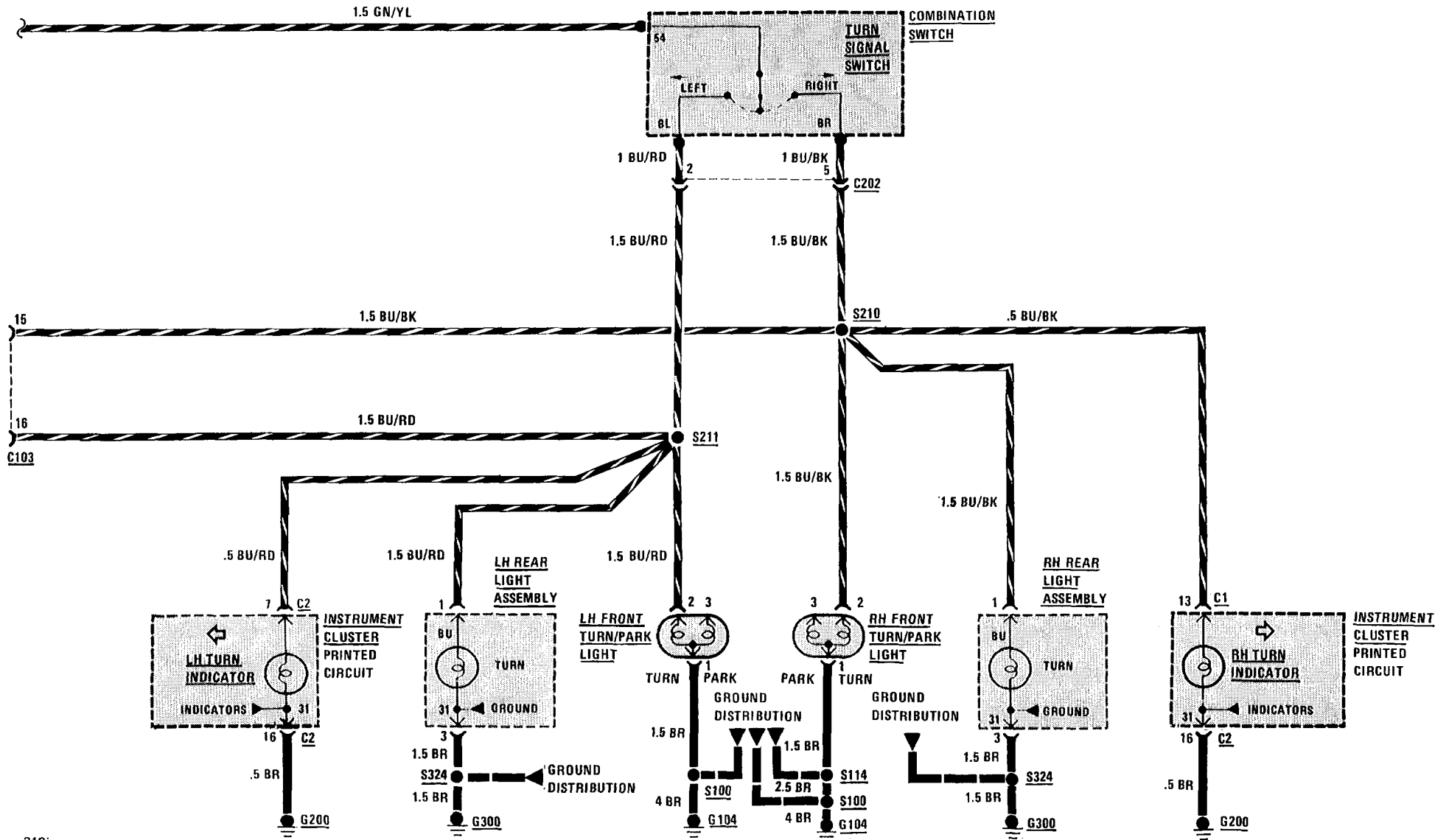


# 146 LIGHTS: TURN/HAZARD WARNING

(For Component Location See Page 211)



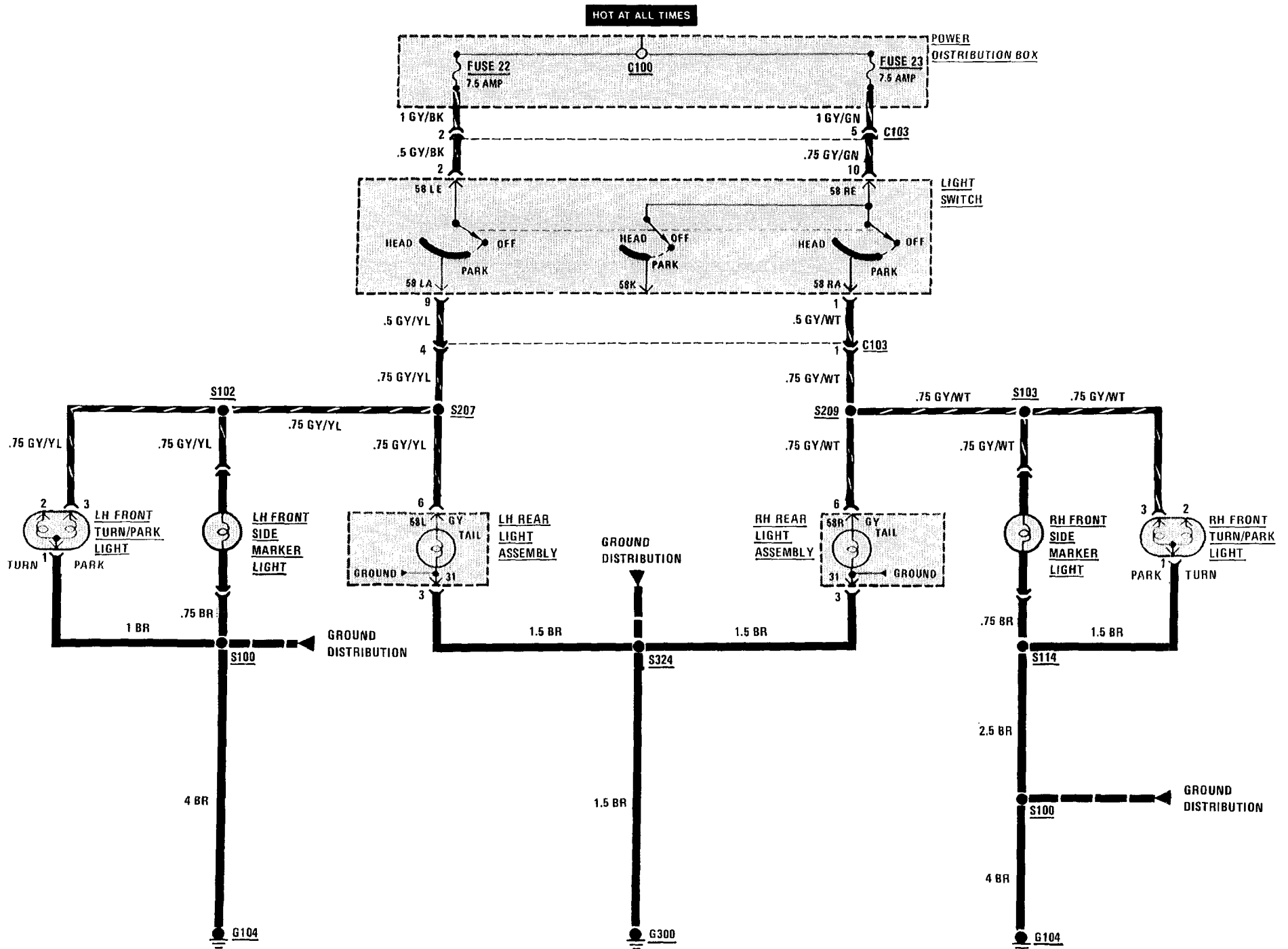
(For Component Location See Page 211)



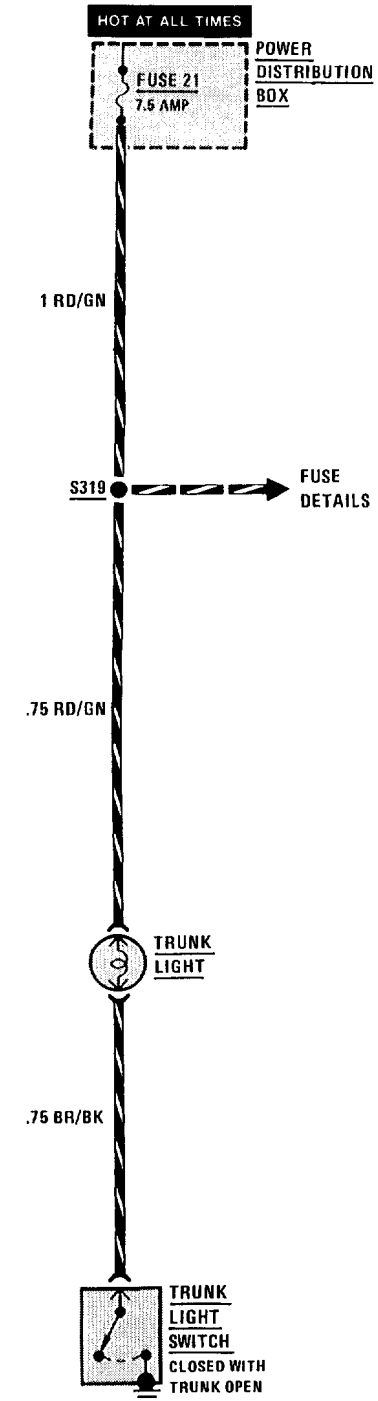
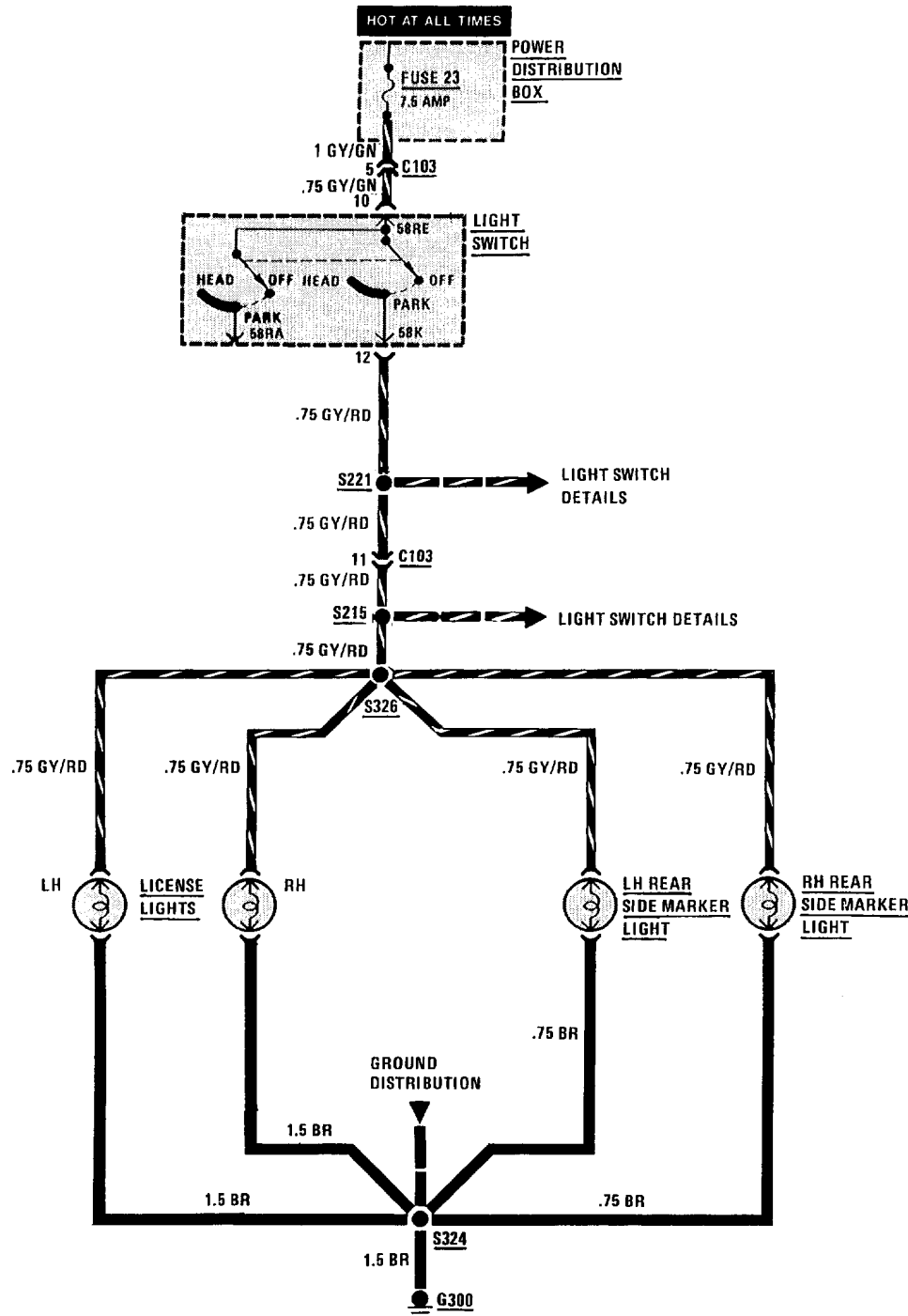


# 148 LIGHTS: FRONT PARK/FRONT SIDE MARKER/TAIL

(For Component Location See Page 211)

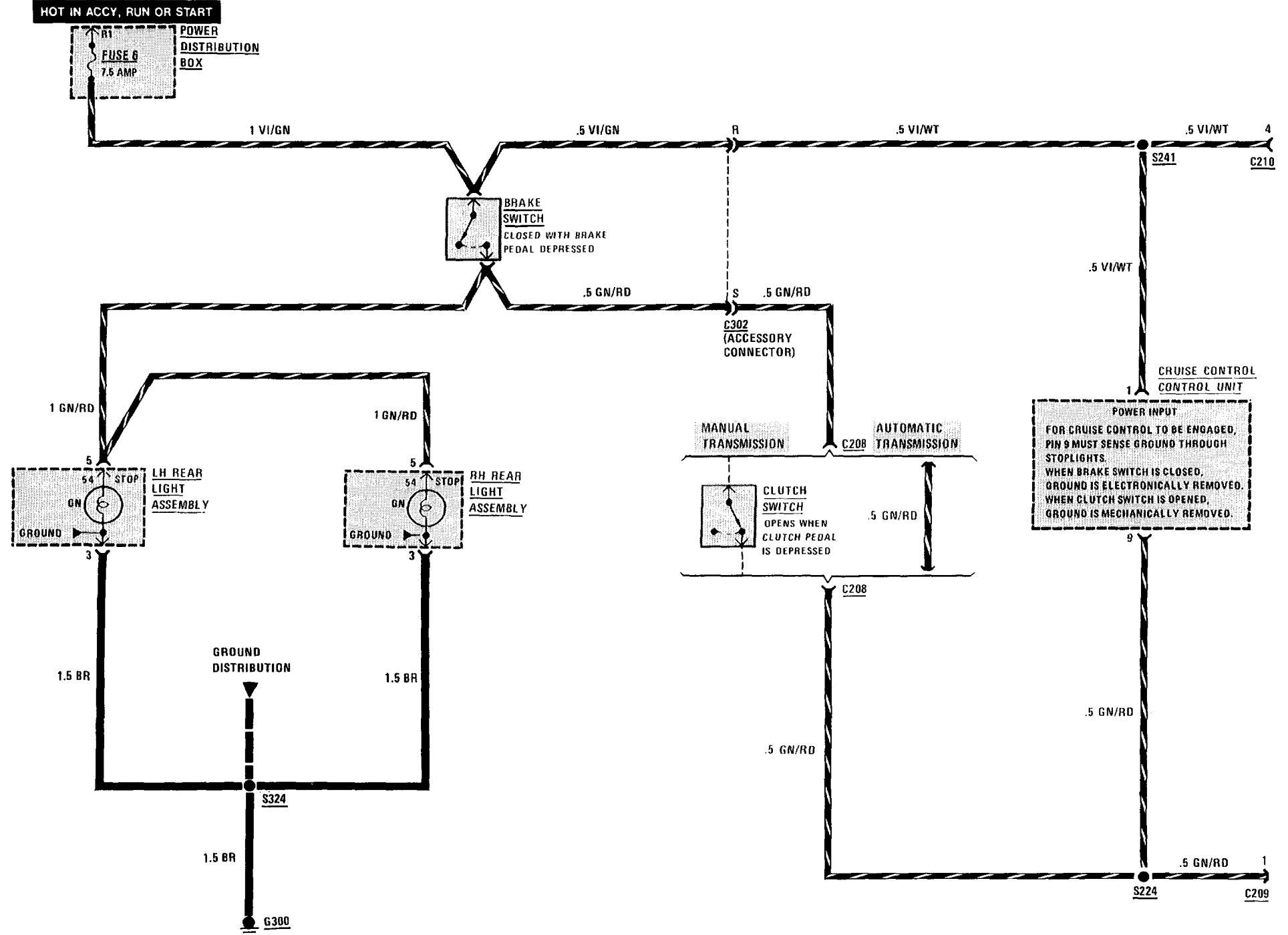


(For Component Location See Page 211)



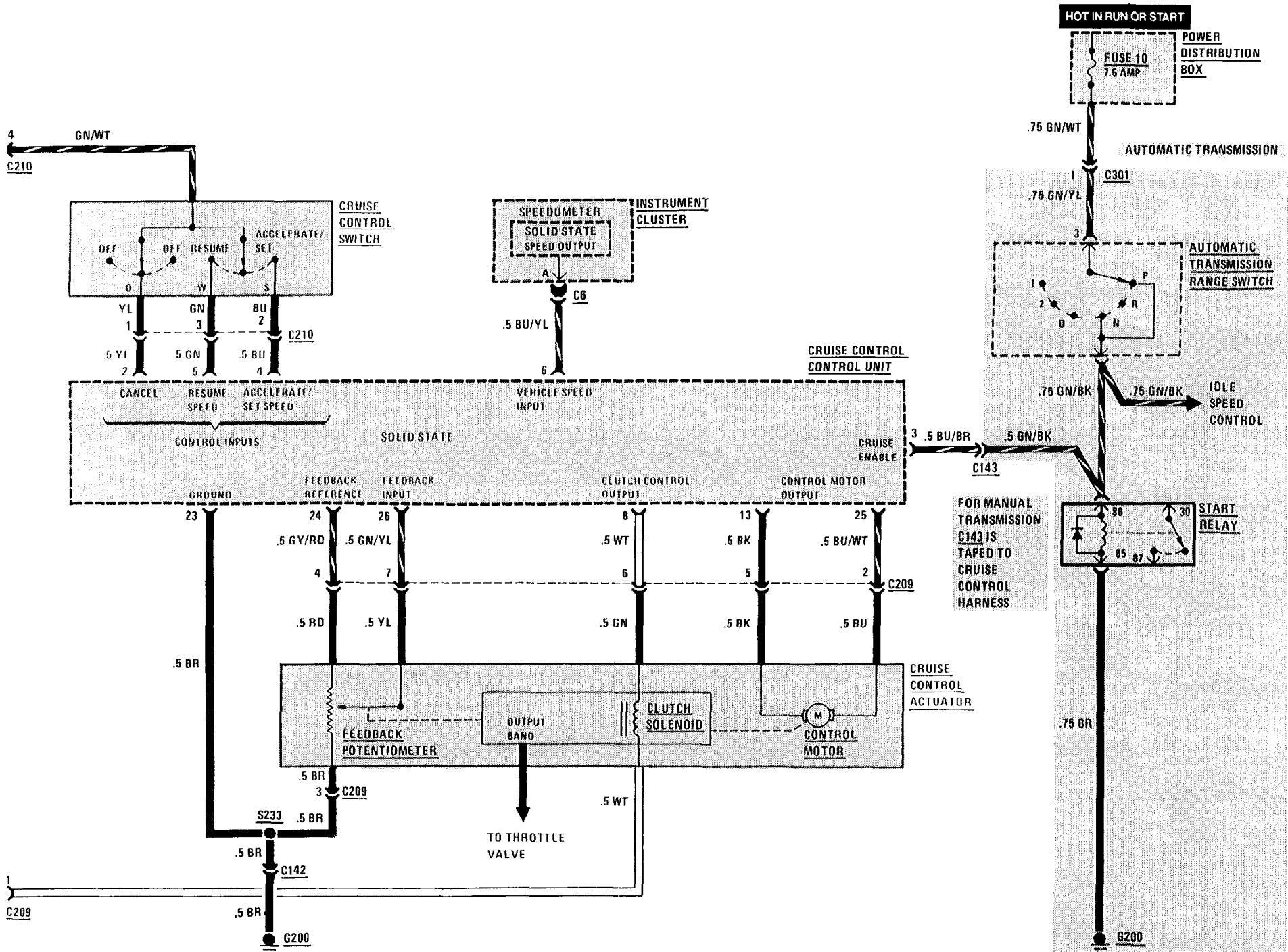
# 150 STOPLIGHTS/CRUISE CONTROL

(For Component Location See Page 203)



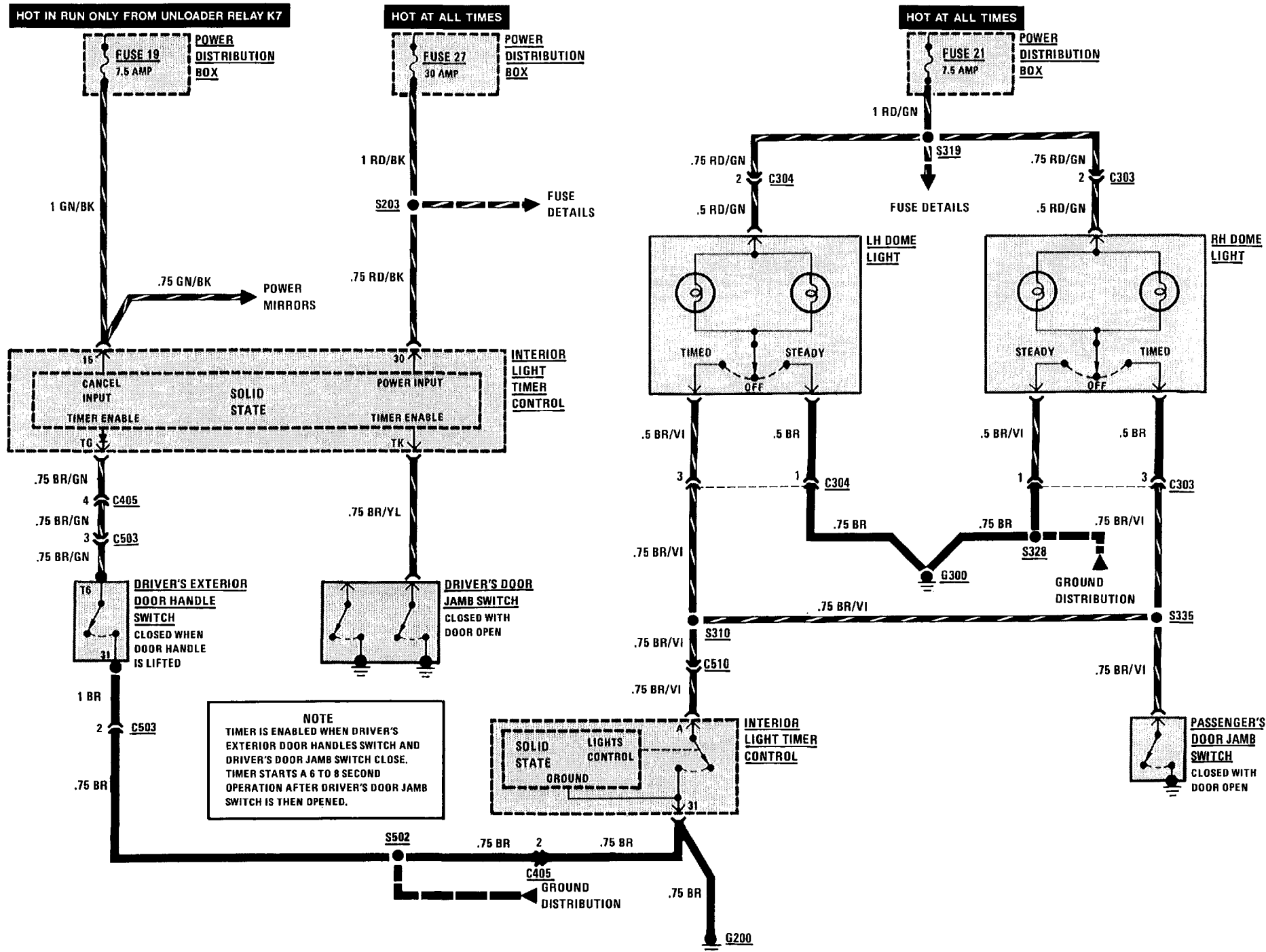


(For Component Locations See Page 203)

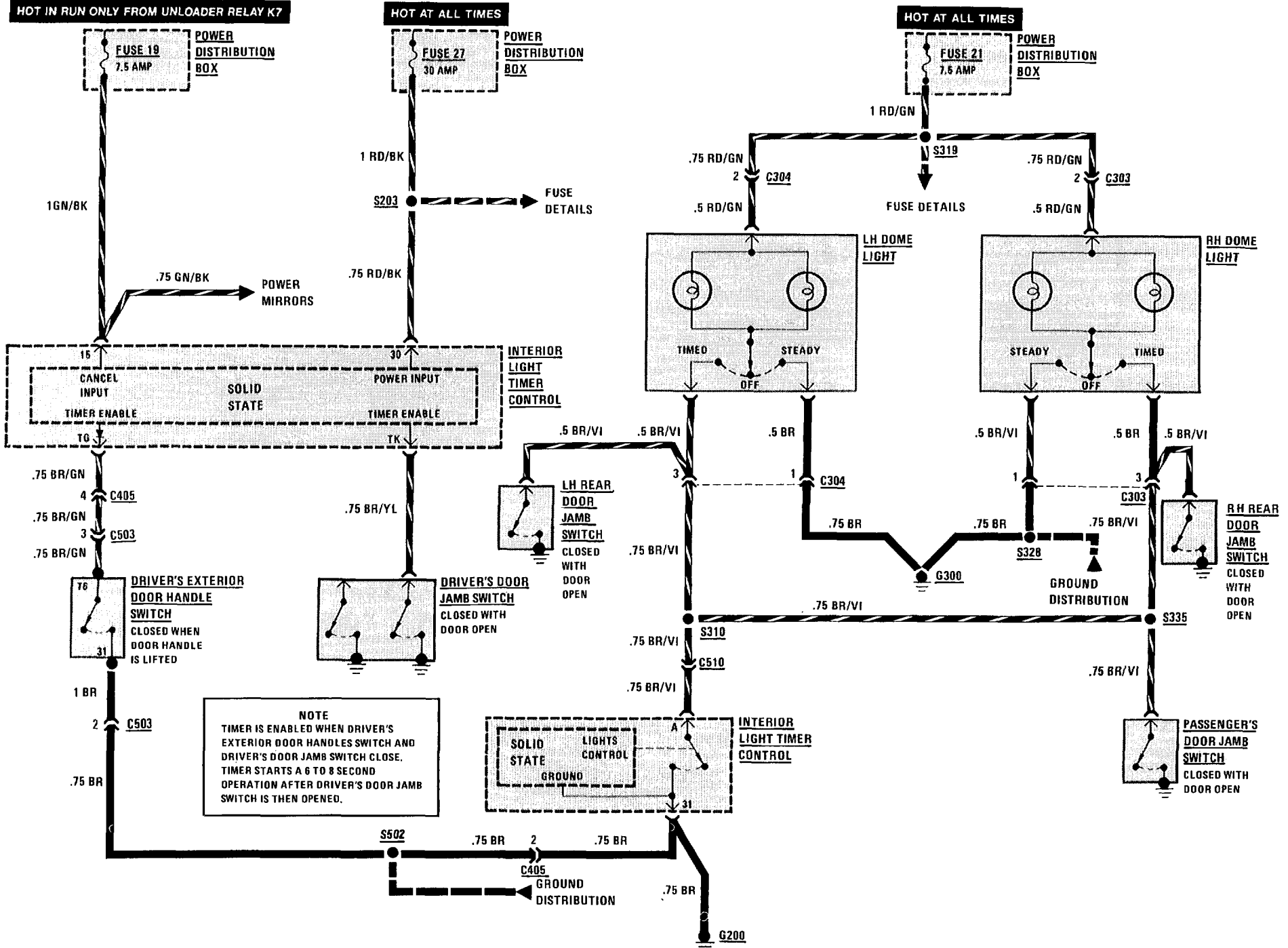


# 152 INTERIOR LIGHTS (2 DOOR)

(For Component Location See Page 211)

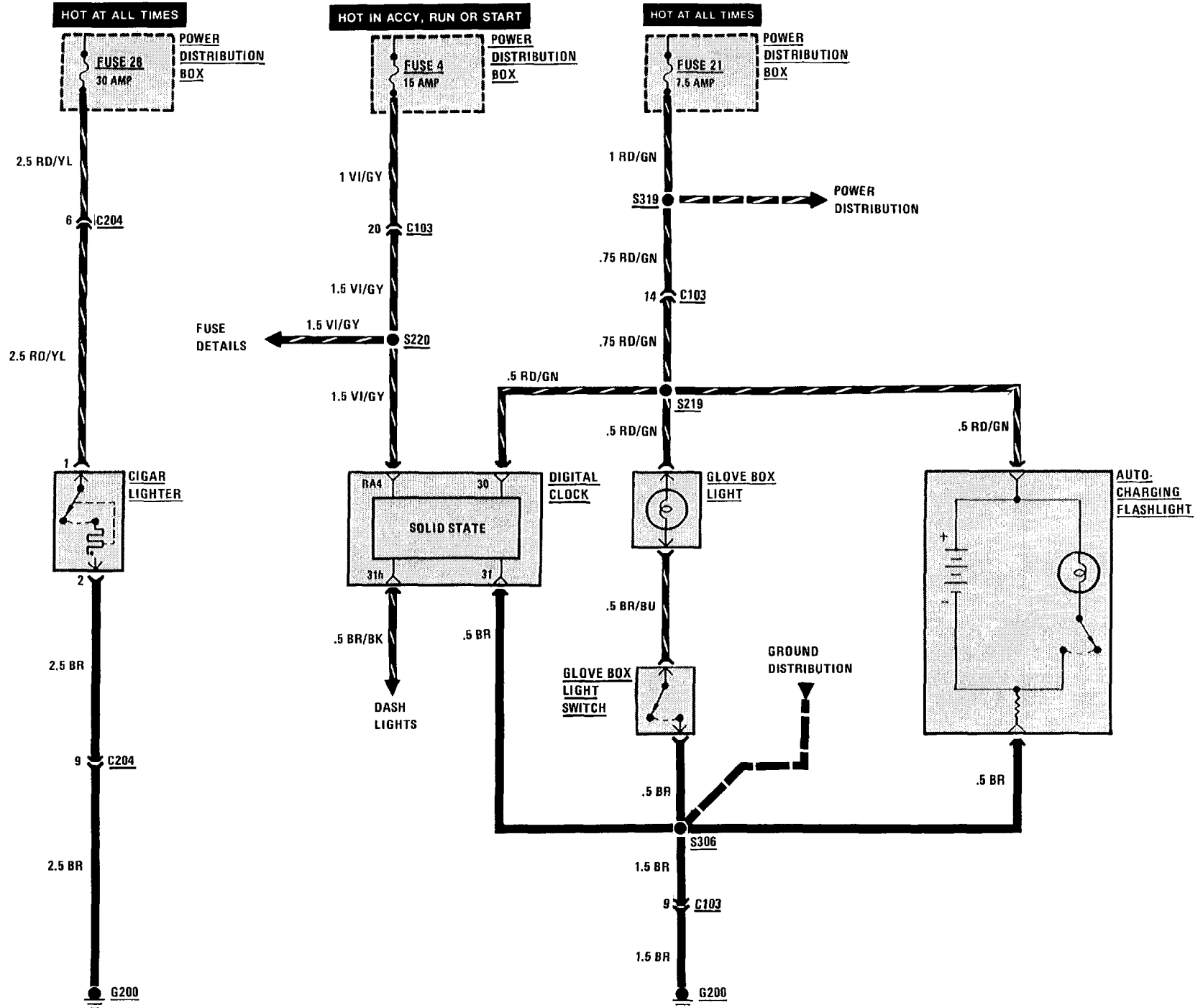


(For Component Location See Page 211)

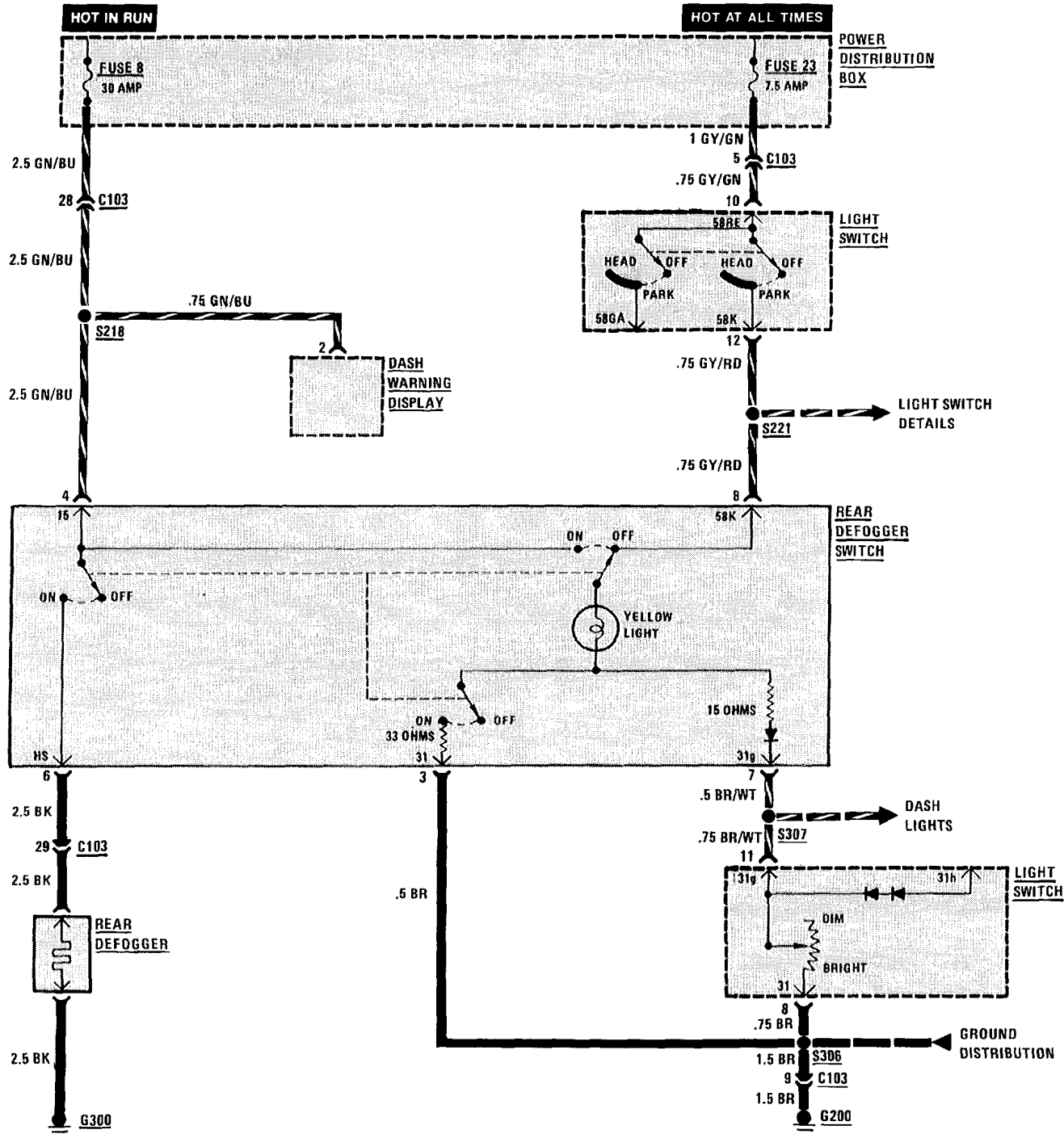


# 154 CIGAR LIGHTER/DIGITAL CLOCK/GLOVE BOX LIGHT/AUTO-CHARGING FLASHLIGHT

(For Component Location See Page 203)

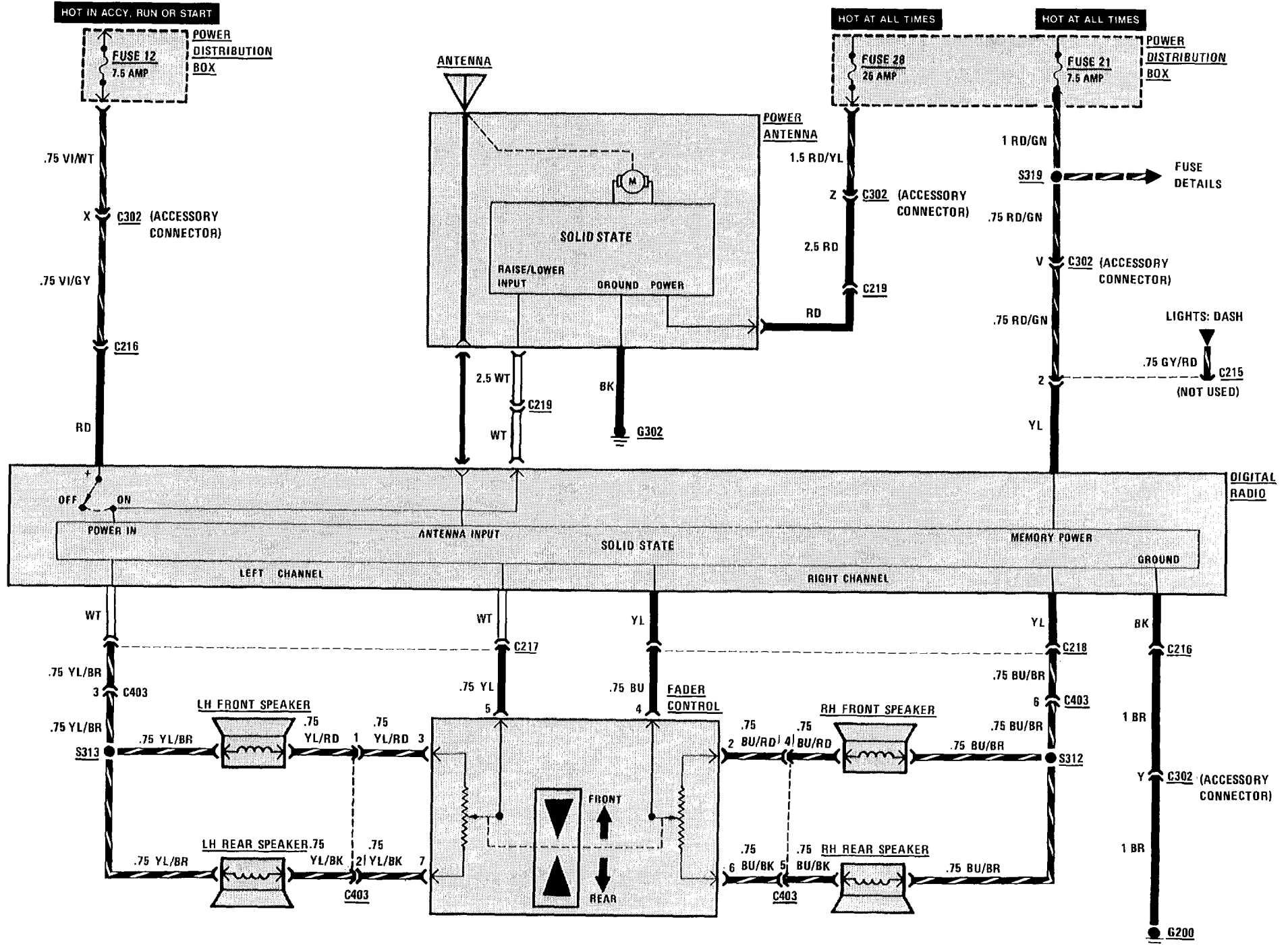


(For Component Location See Page 214)



# 156 RADIO/POWER ANTENNA

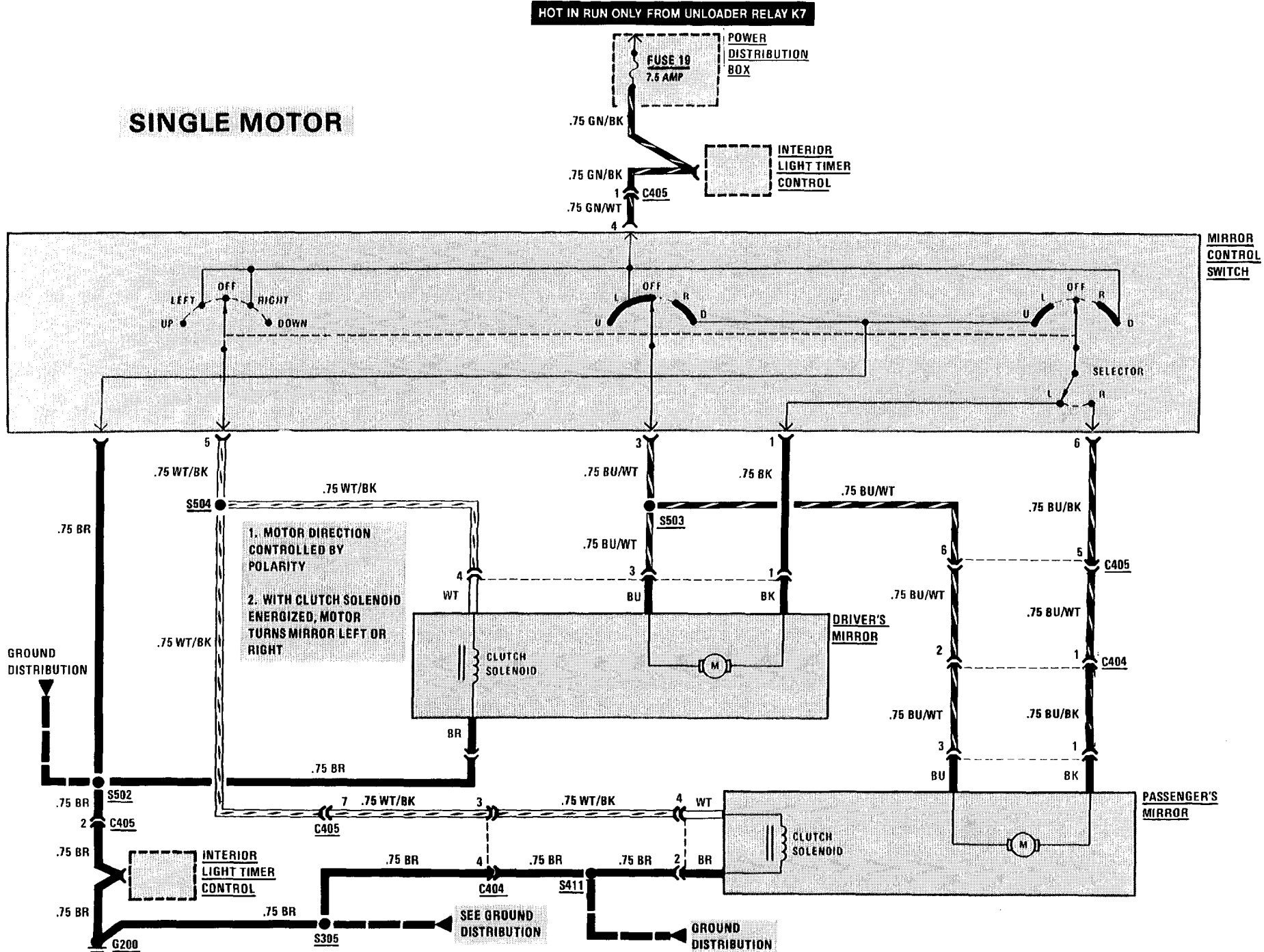
(For Component Location See Page 214)



(For Component Location See Page 213)

**SINGLE MOTOR**

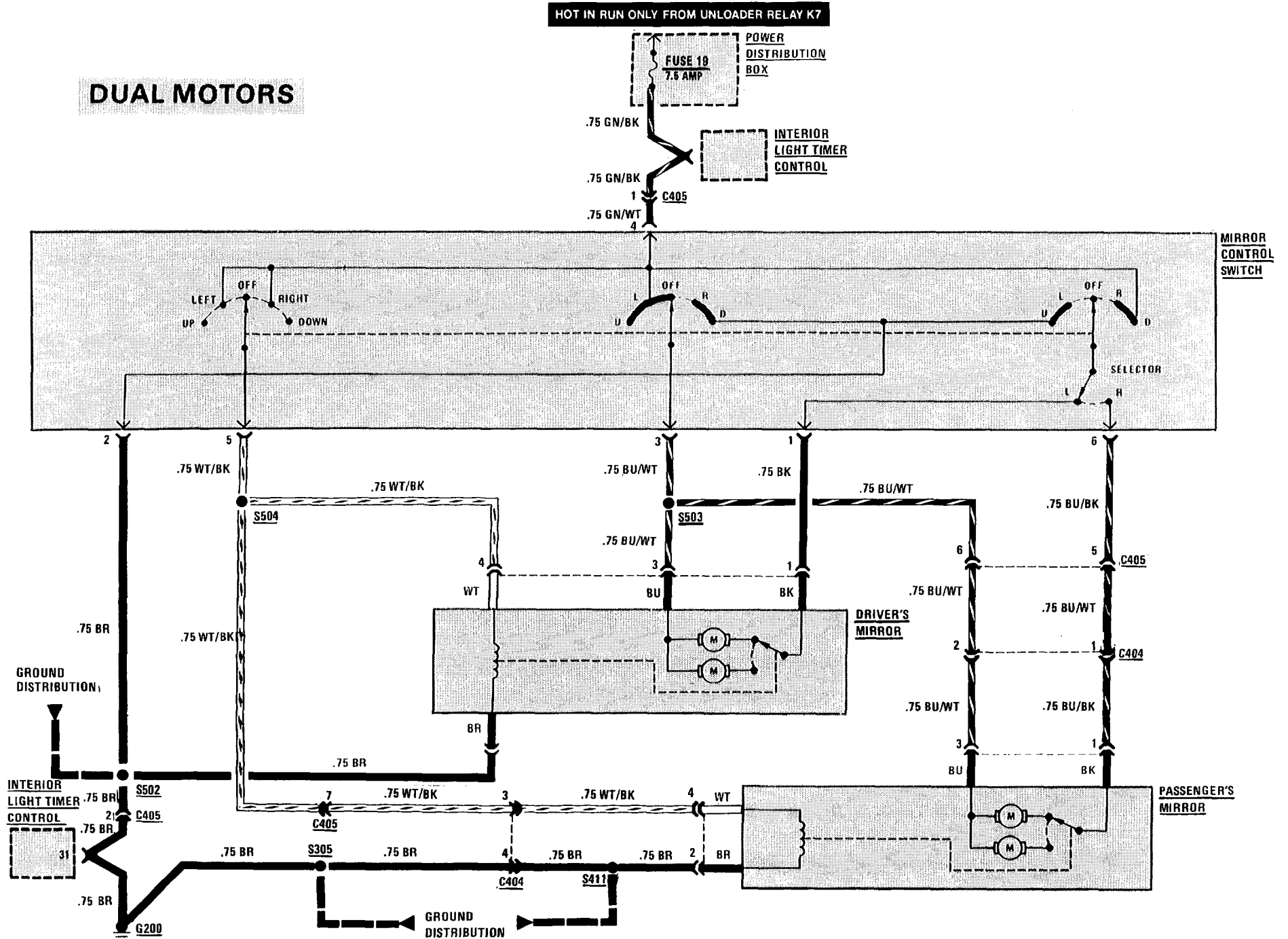
**HOT IN RUN ONLY FROM UNLOADER RELAY K7**



# 158 POWER MIRRORS

(For Component Location See Page 213)

## DUAL MOTORS

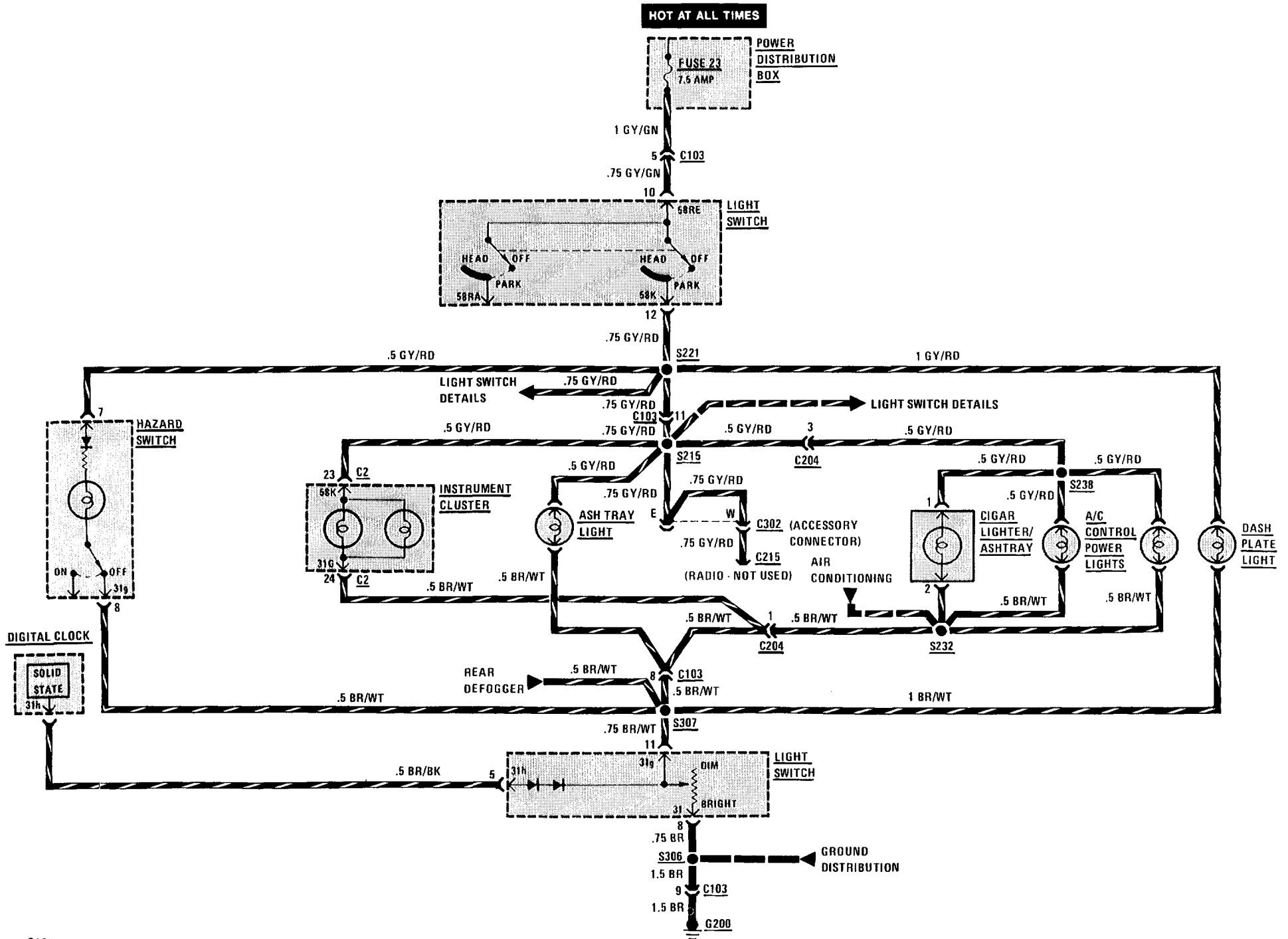




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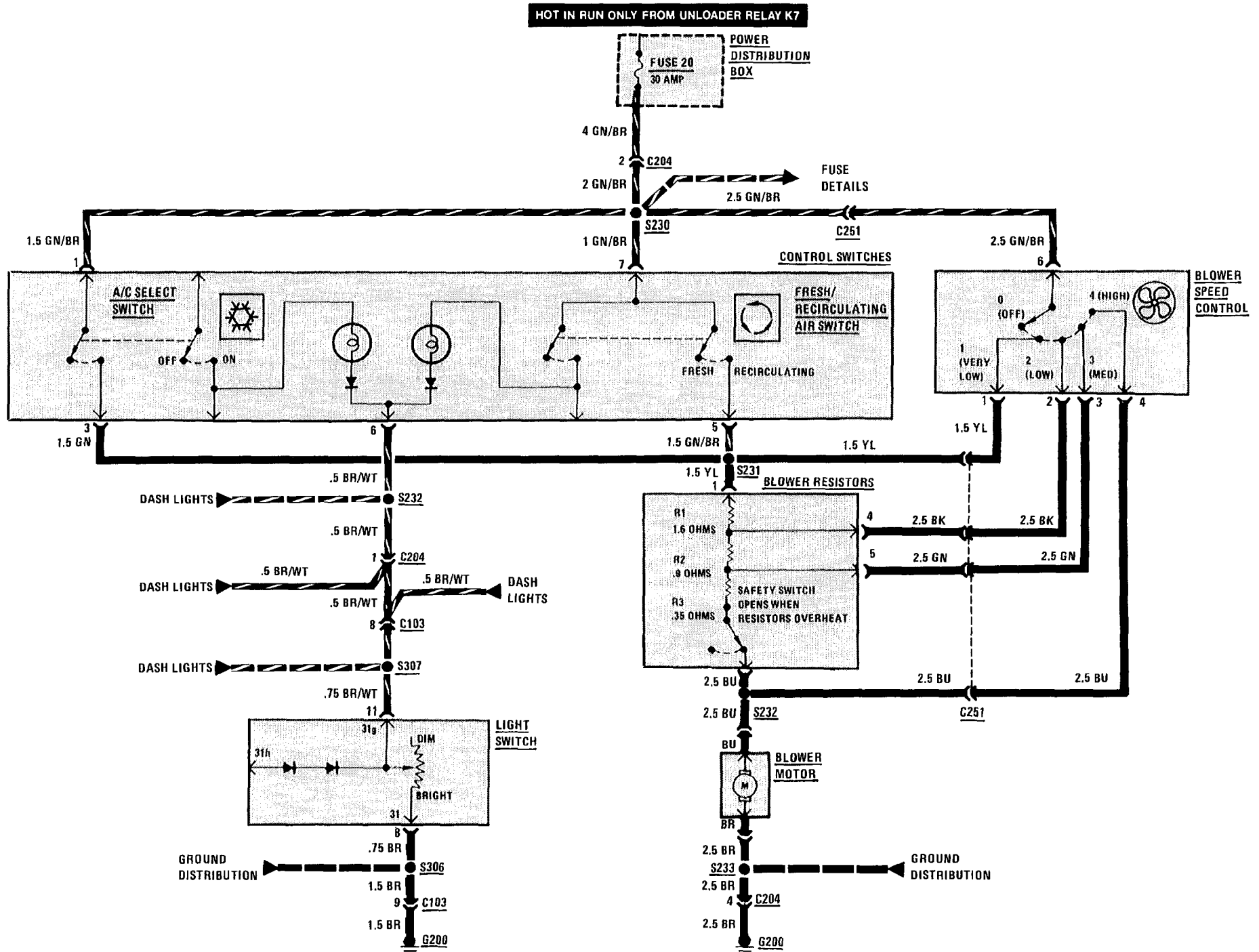
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(For Component Location See Page 203)



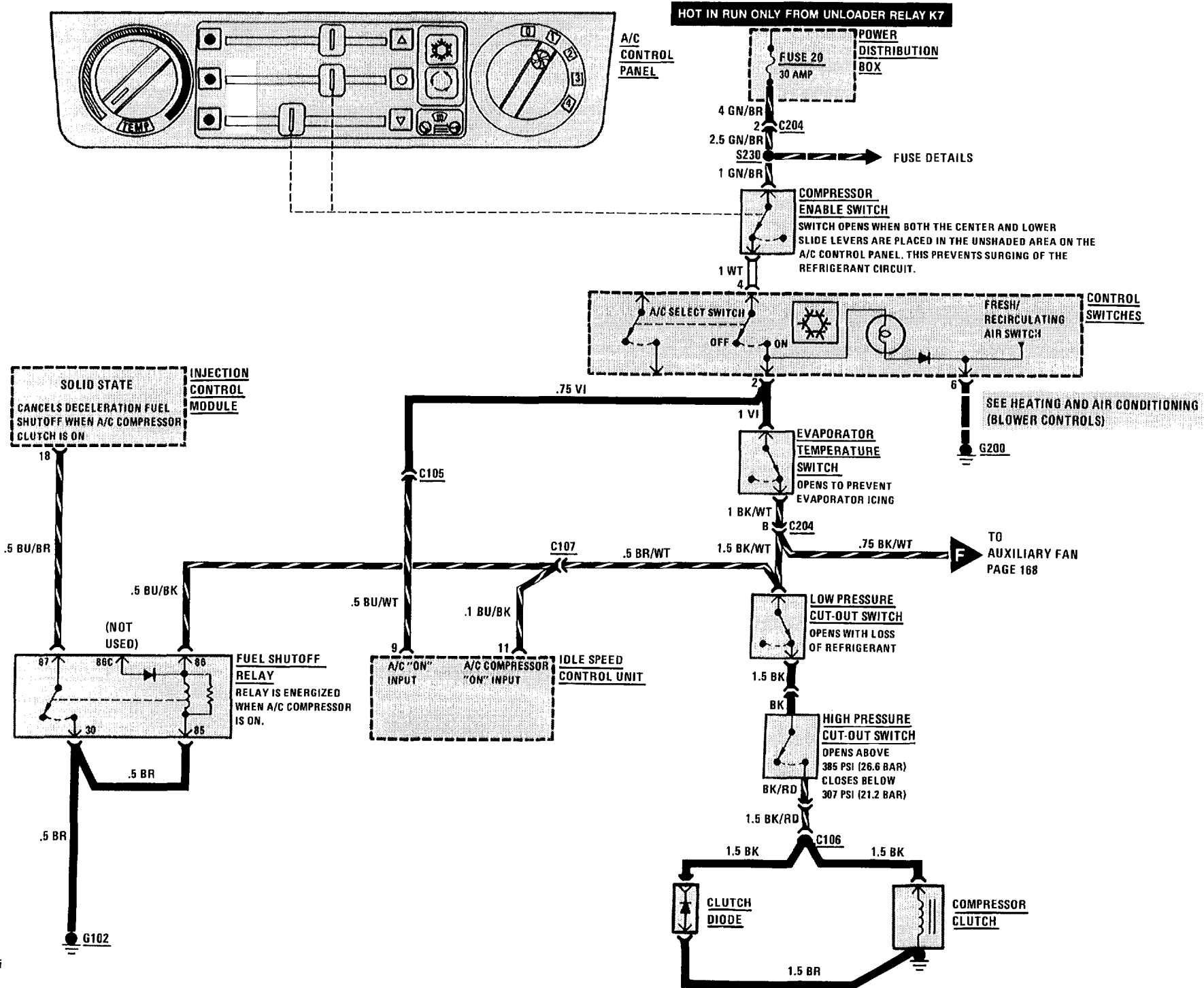
# 162 HEATING AND AIR CONDITIONING (BLOWER CONTROLS)

(For Component Location See Page 210)



(EARLY PRODUCTION)

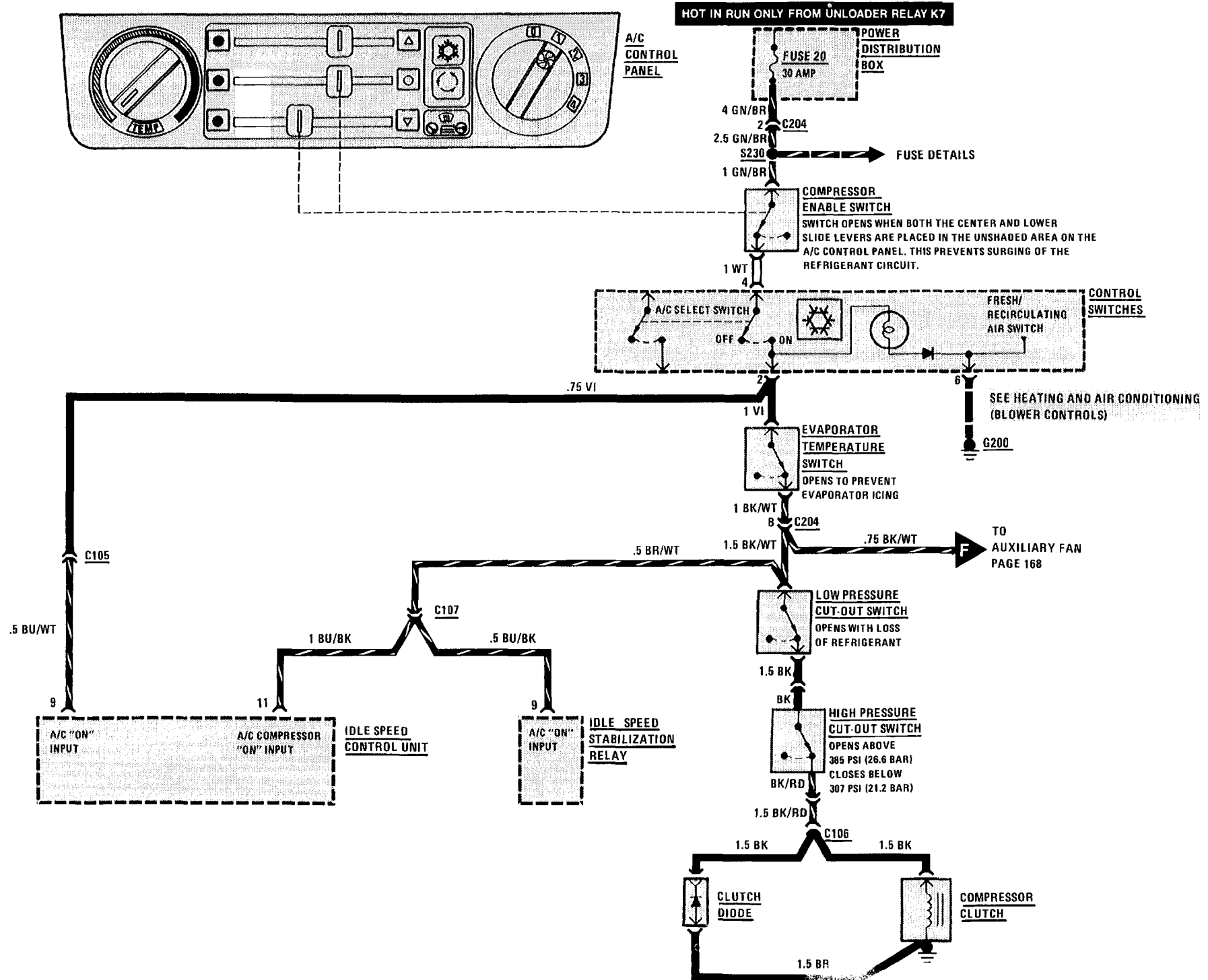
(For Component Location See Page 210)



# 164 HEATING AND AIR CONDITIONING (COMPRESSOR CONTROLS)

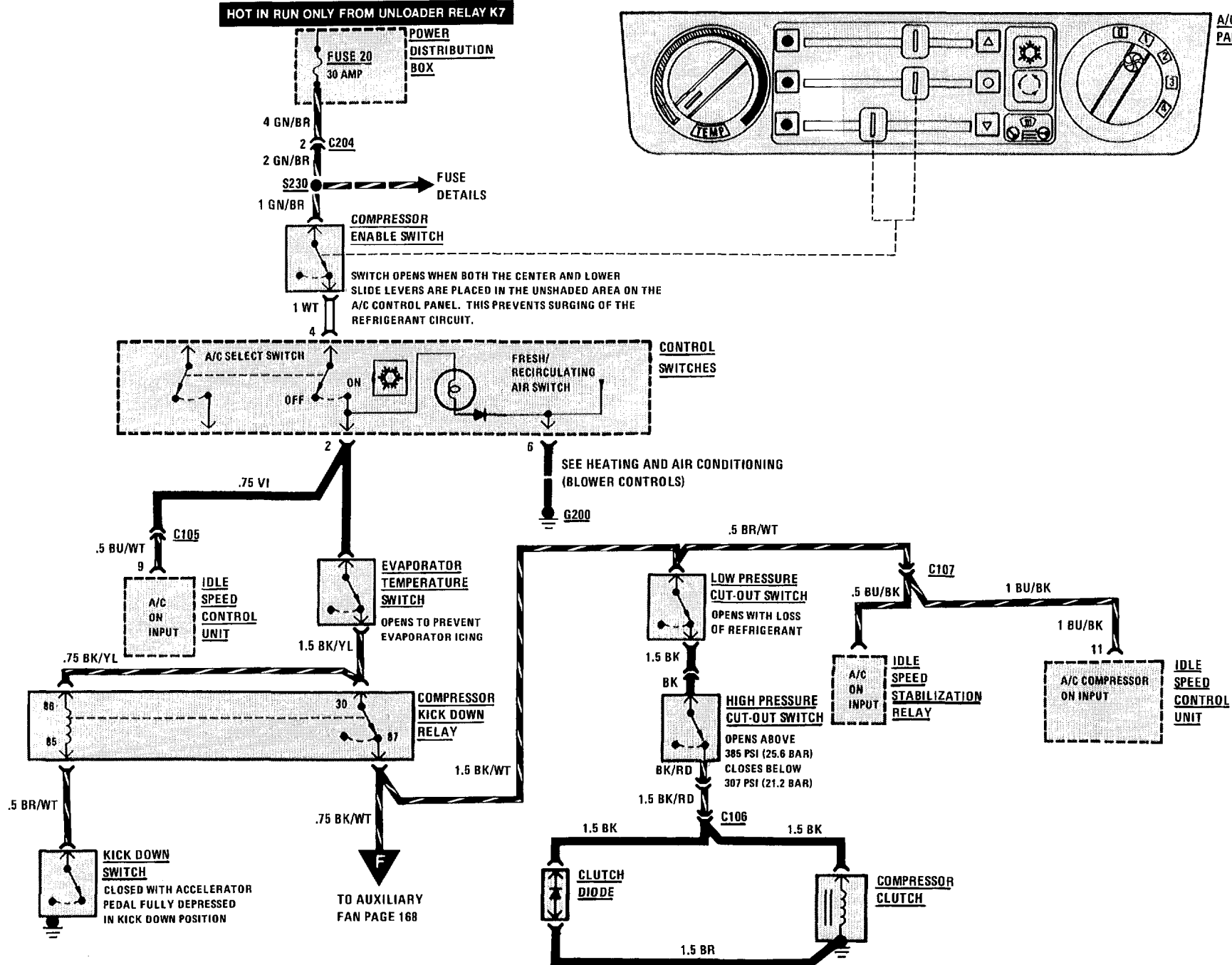
(For Component Location See Page 210)

(LATE PRODUCTION WITH MANUAL TRANSMISSION)



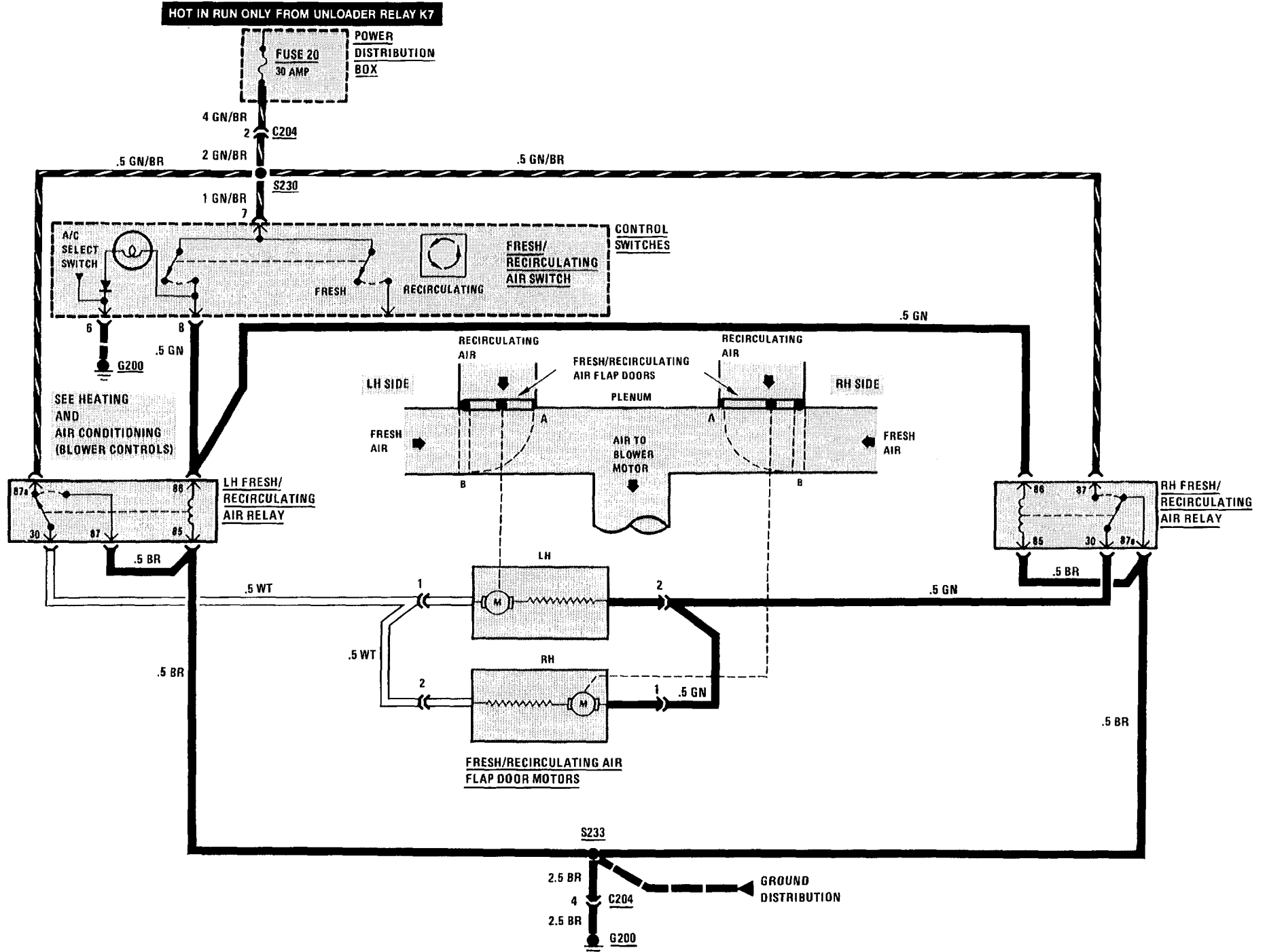
(LATE PRODUCTION WITH AUTOMATIC TRANSMISSION)

(For Component Location See Page 210)



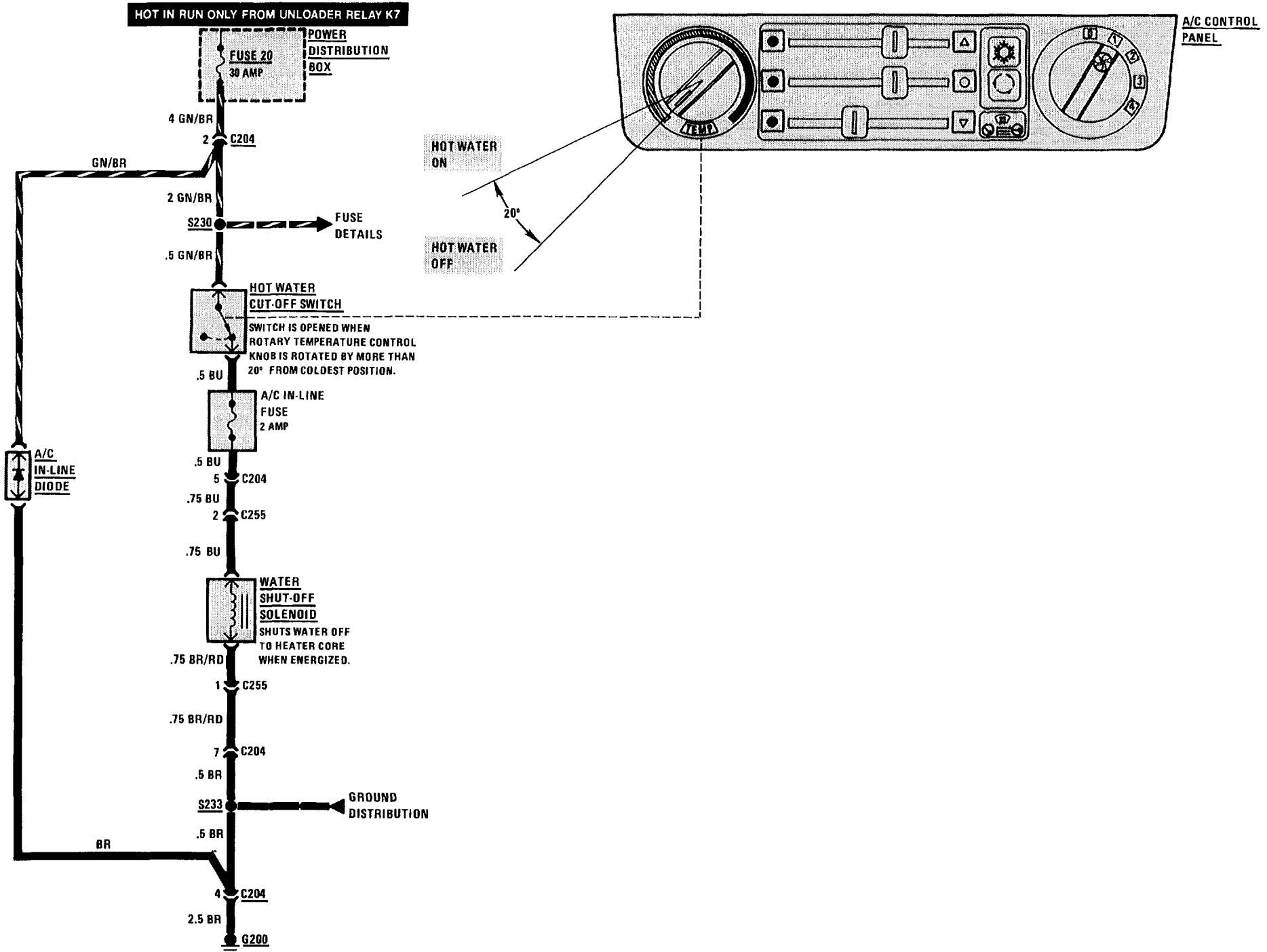
# 166 HEATING AND AIR CONDITIONING (FRESH/RECIRCULATING AIR CONTROL)

(For Component Location See Page 210)



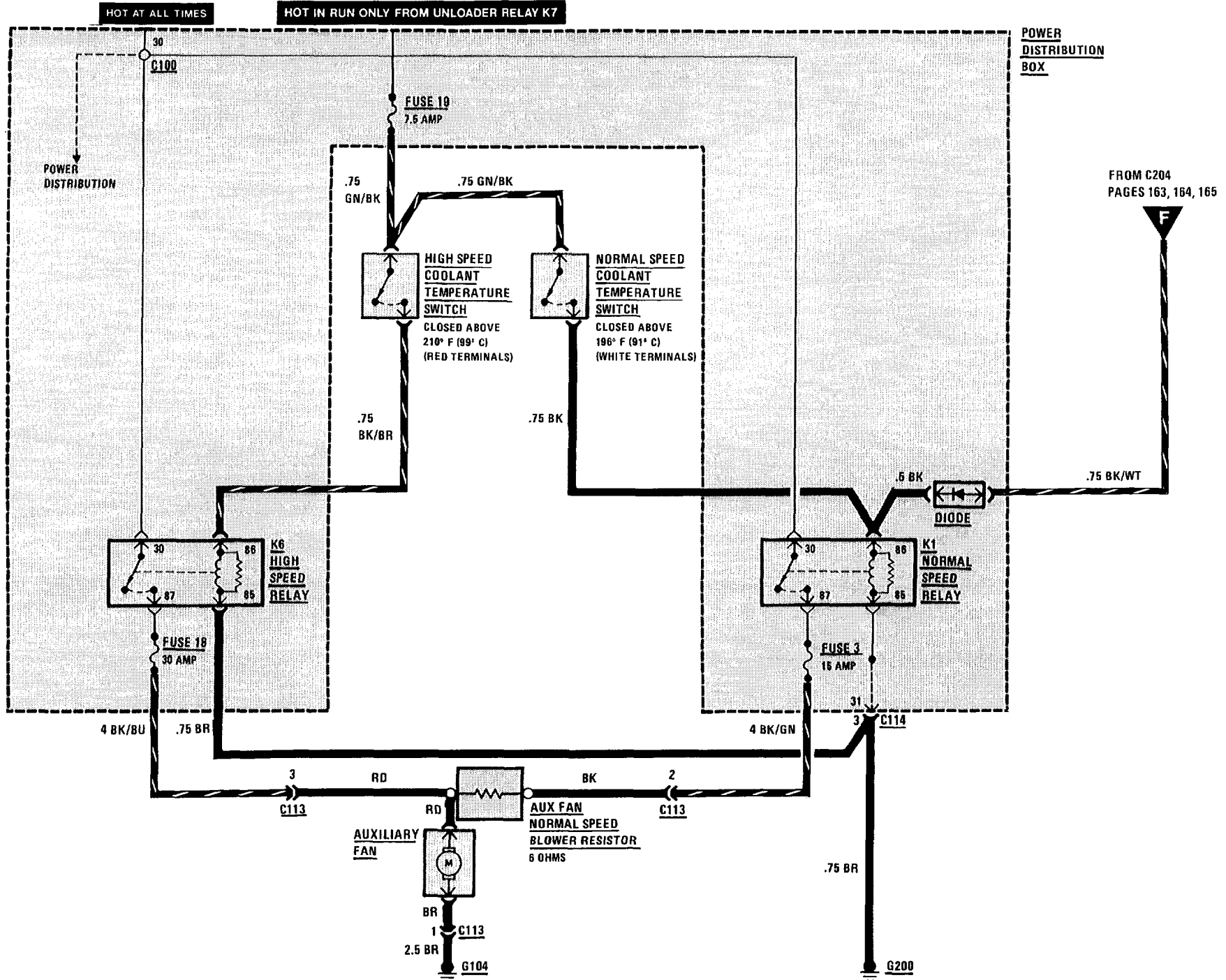


(For Component Location See Page 210)

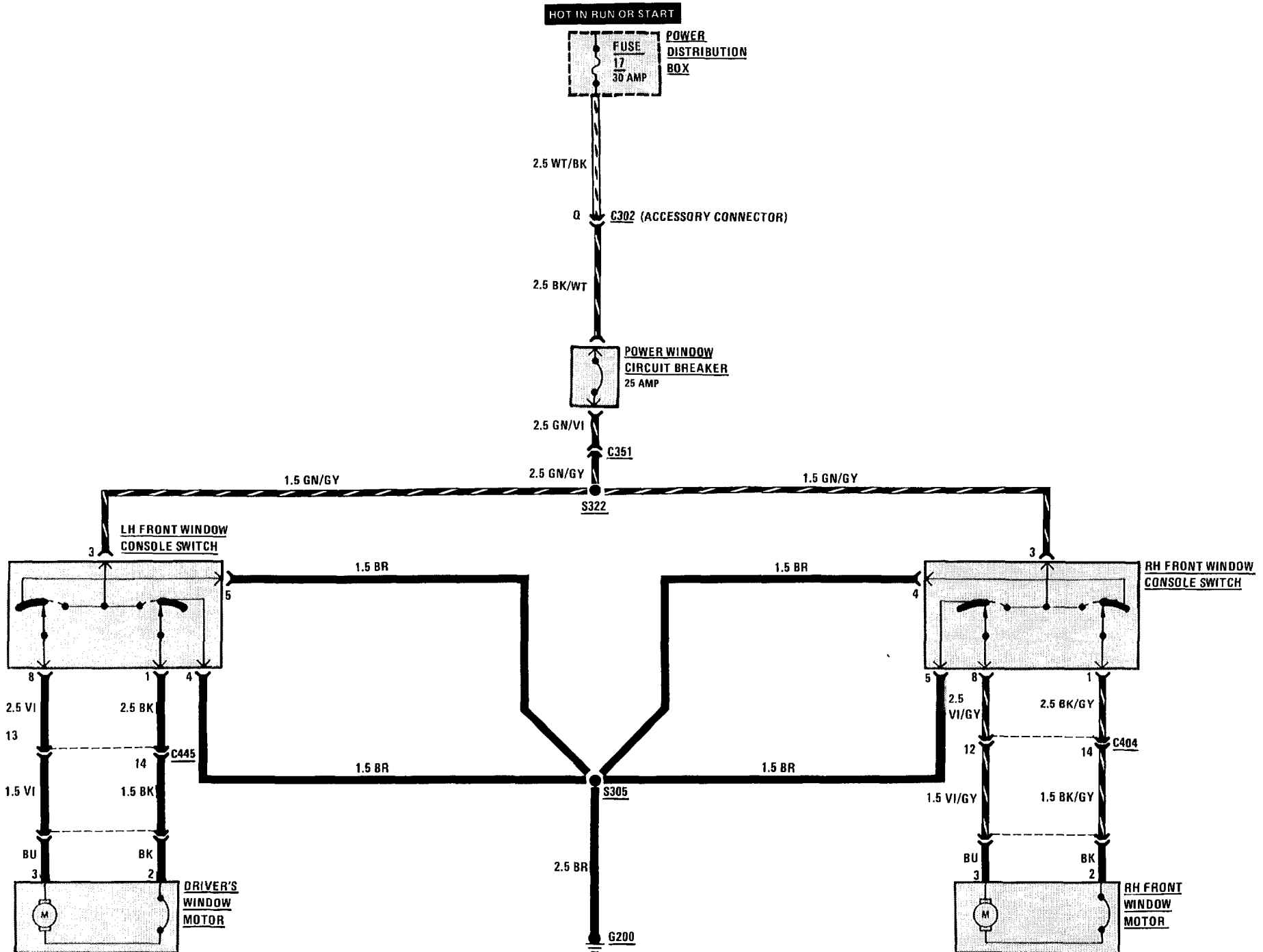


# 168 AUXILIARY FAN

(For Component Location See Page 201)

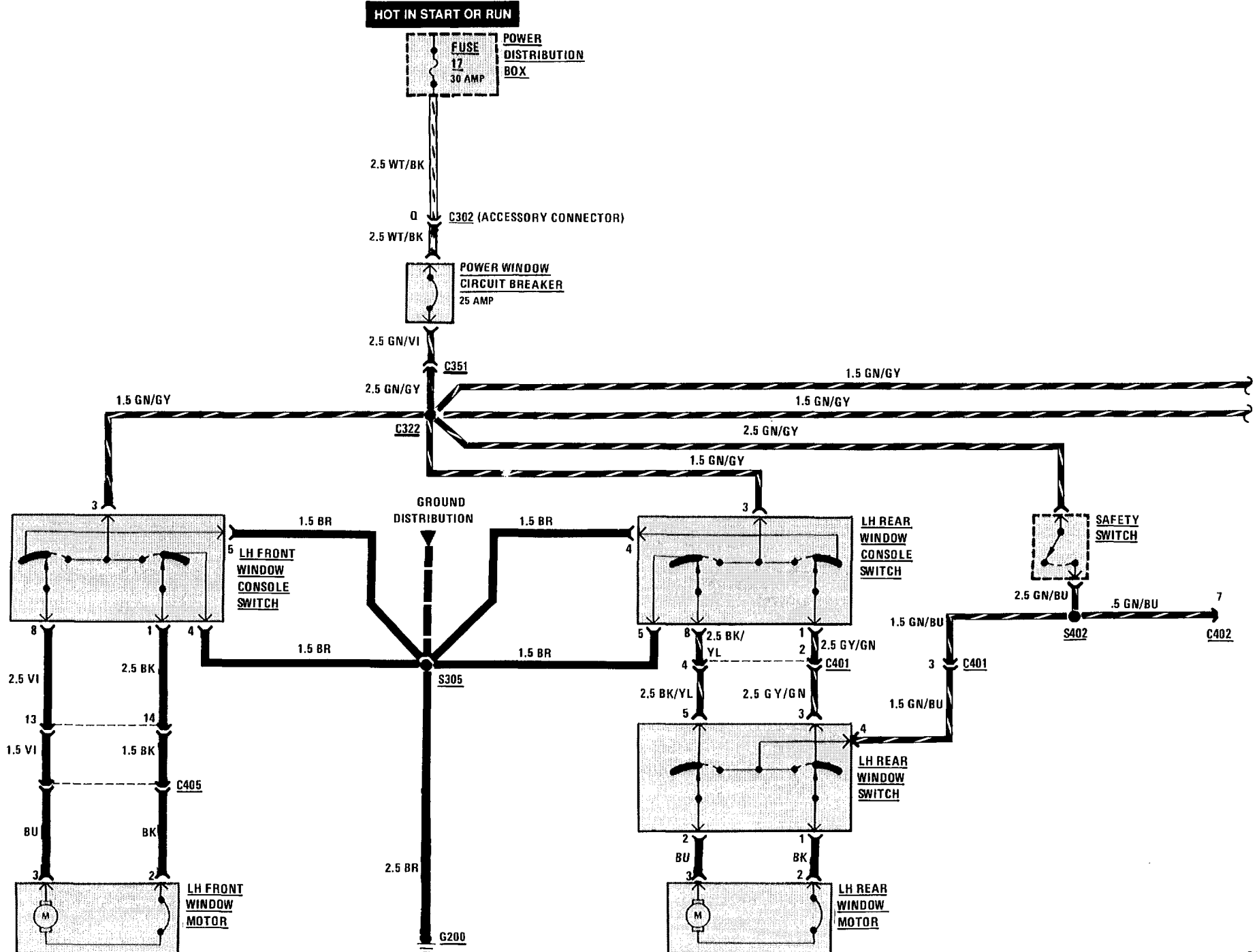


(For Component Location See Page 213)

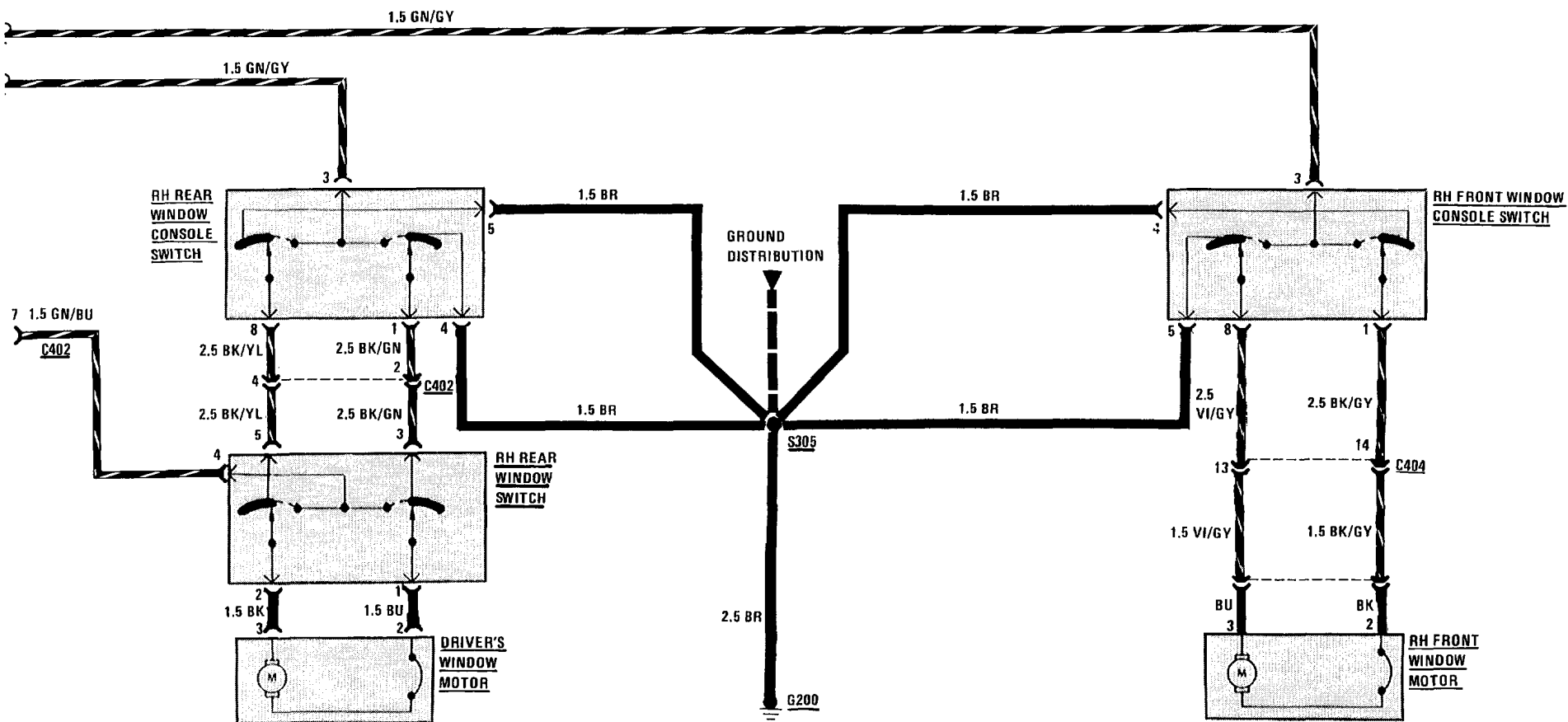


# 170 POWER WINDOWS (4 DOOR)

(For Component Location See Page 213)

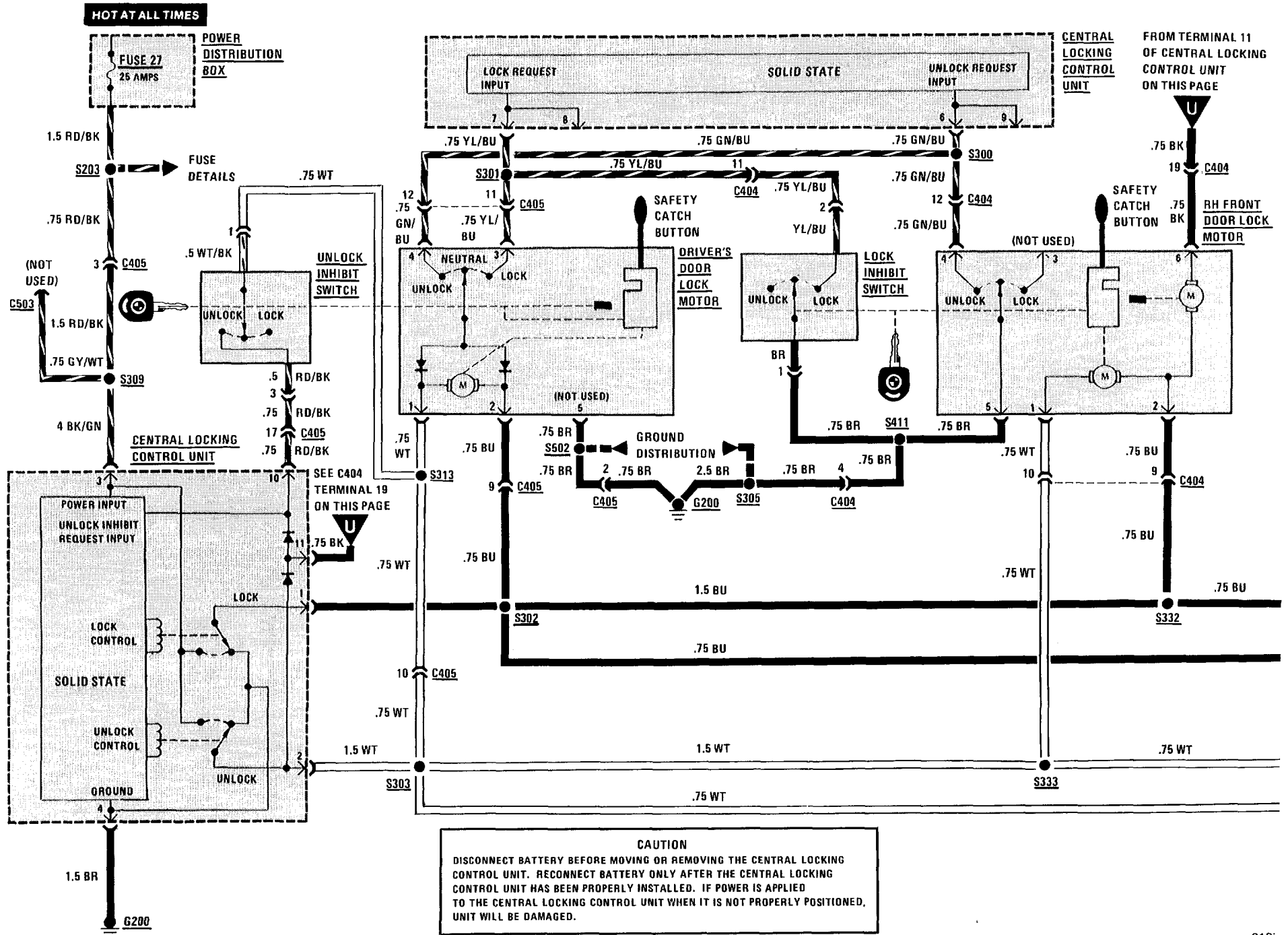


(For Component Location See Page 213)

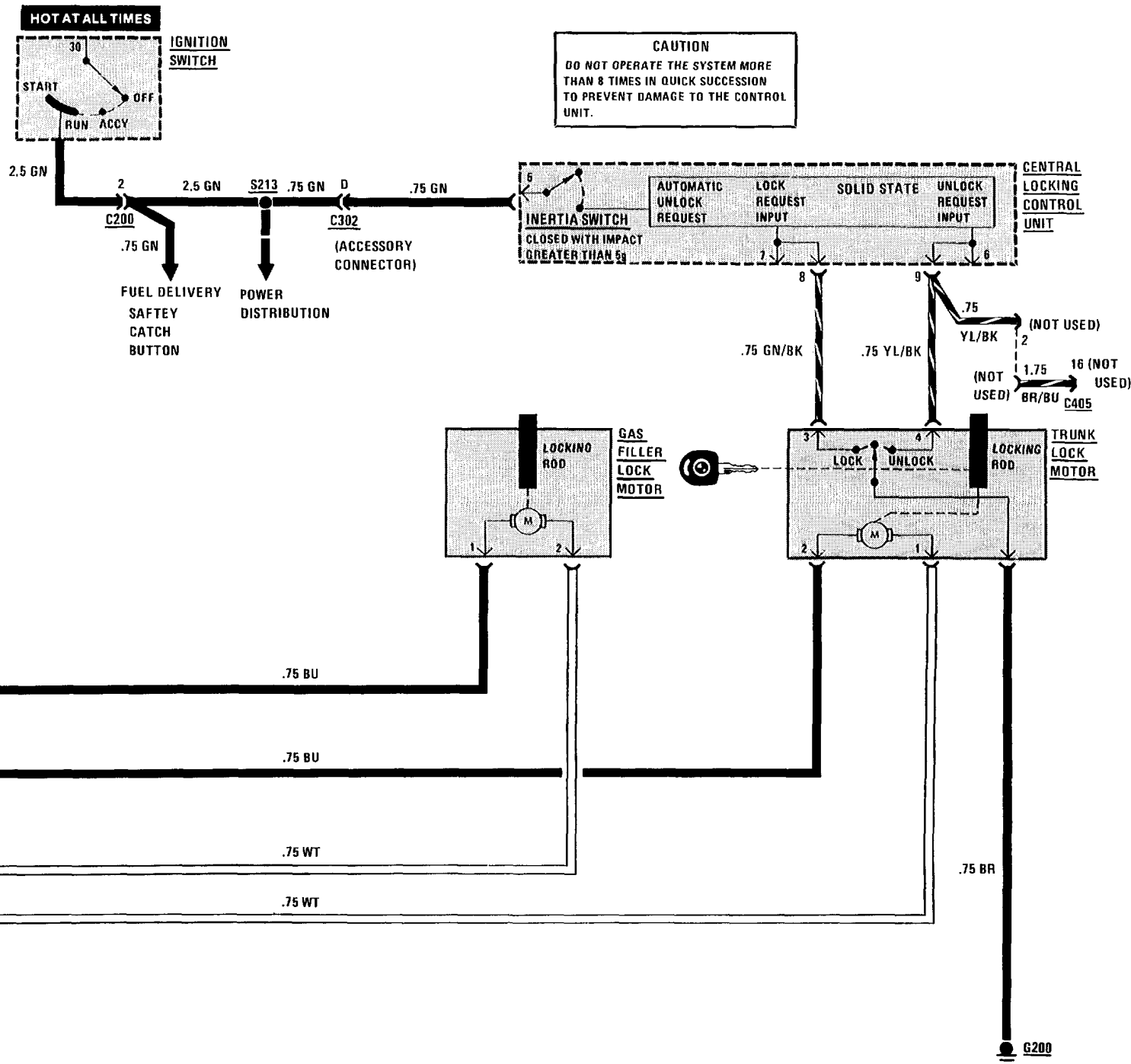


# 172 CENTRAL LOCKING (2 DOOR) (SELECT)

(For Component Location See Page 202)

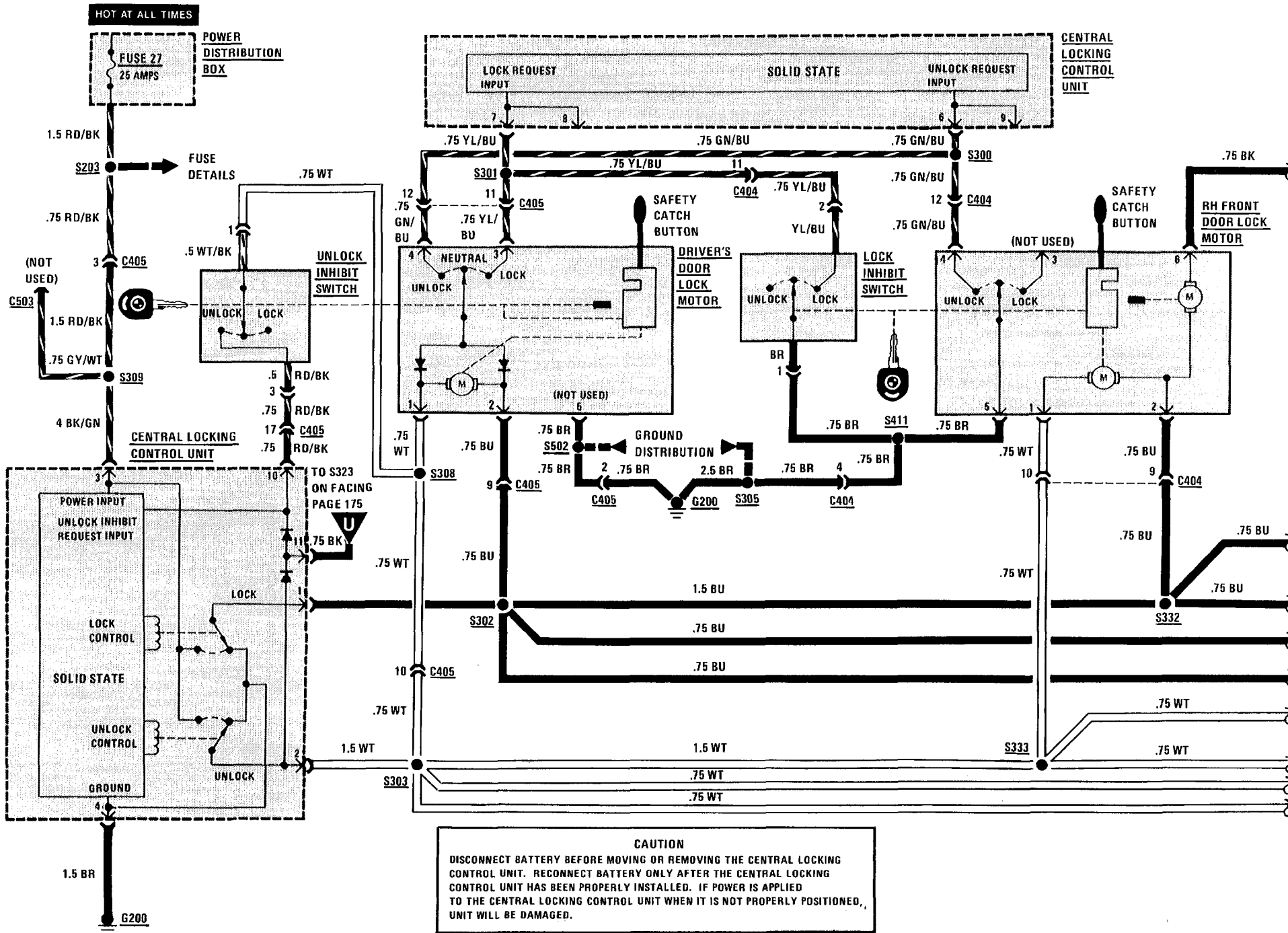


(For Component Location See Page 202)



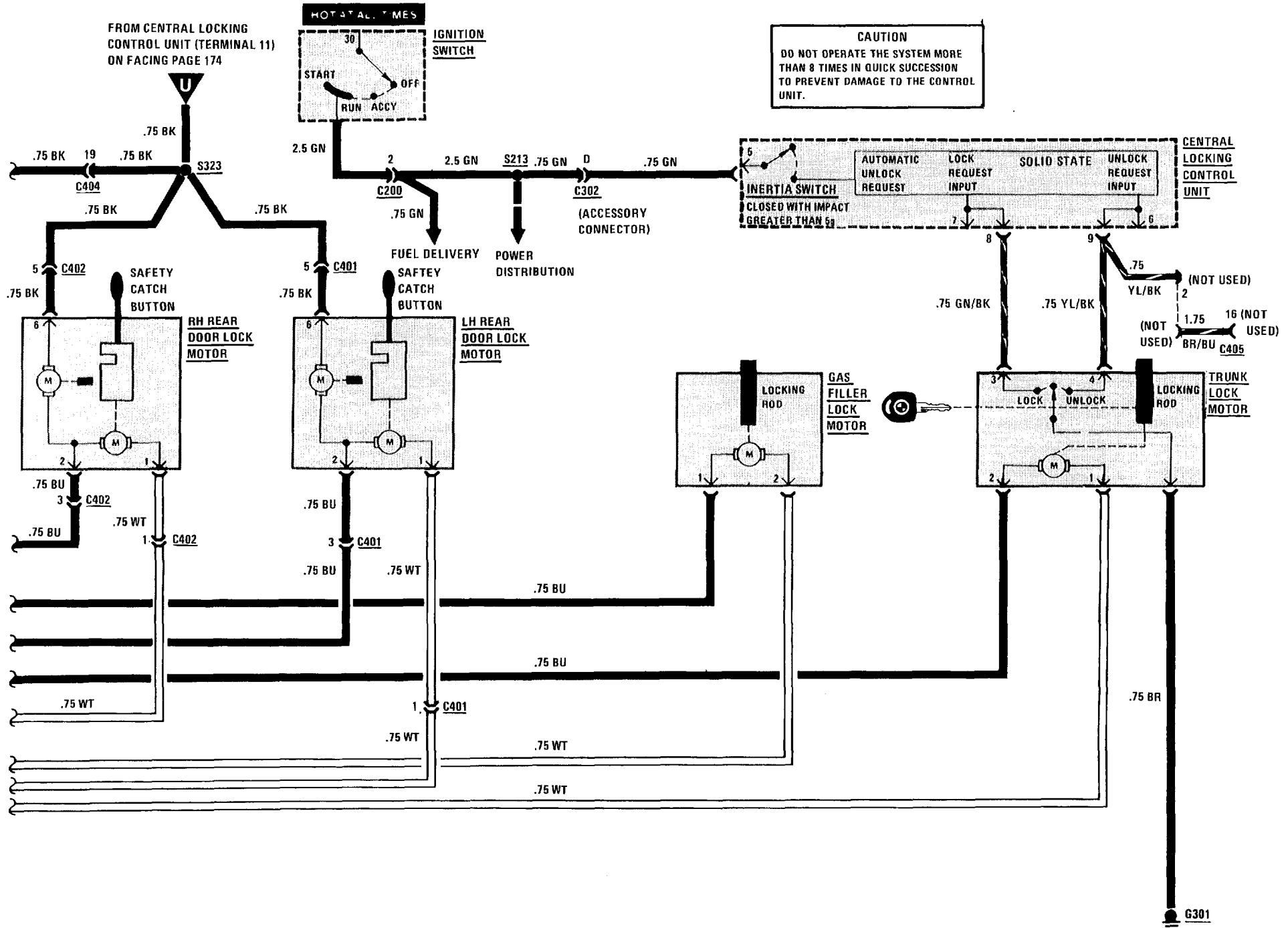
# 174 CENTRAL LOCKING (4 DOOR) (SELECT)

(For Component Location See Page 202)



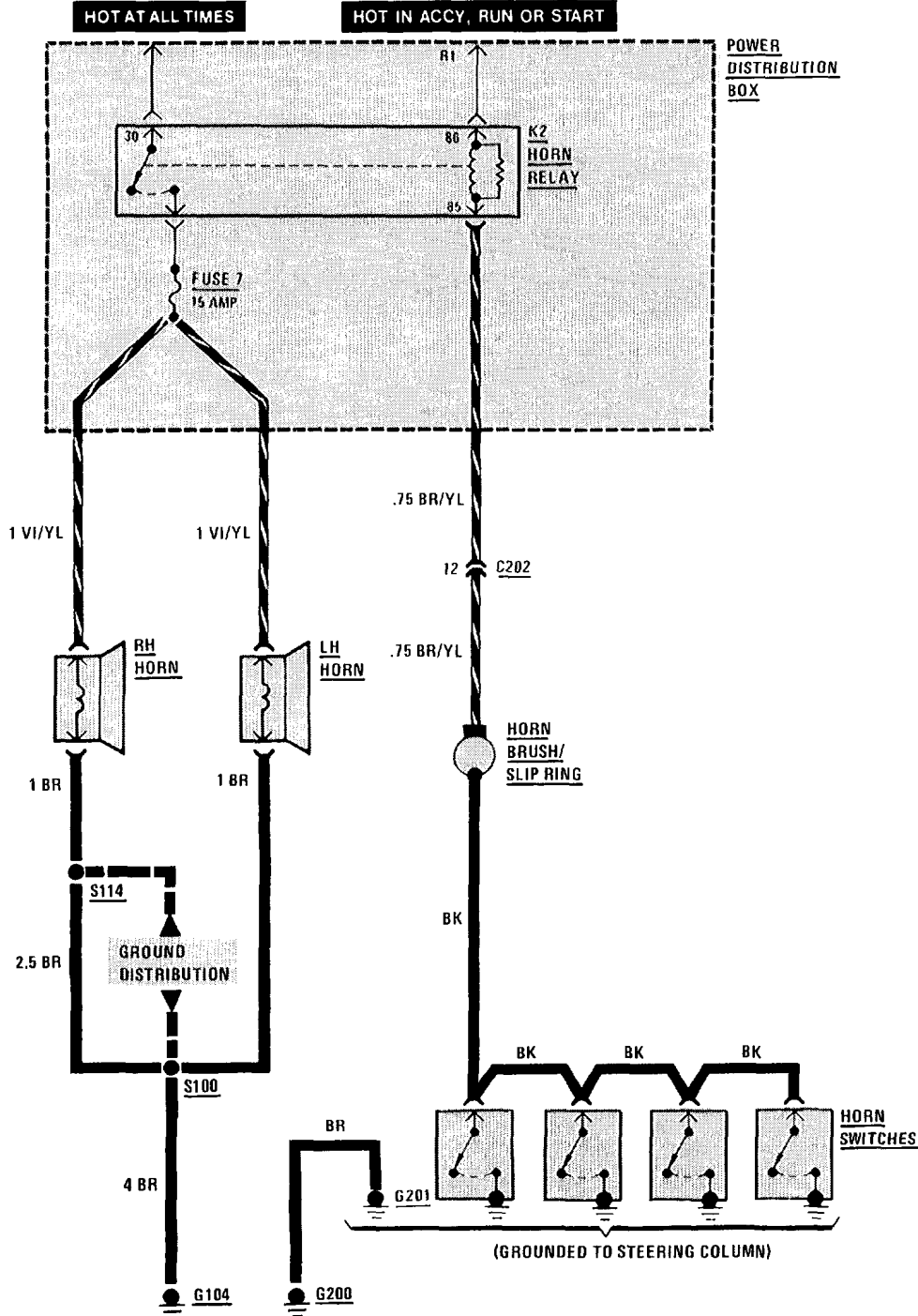


(For Component Location See Page 202)



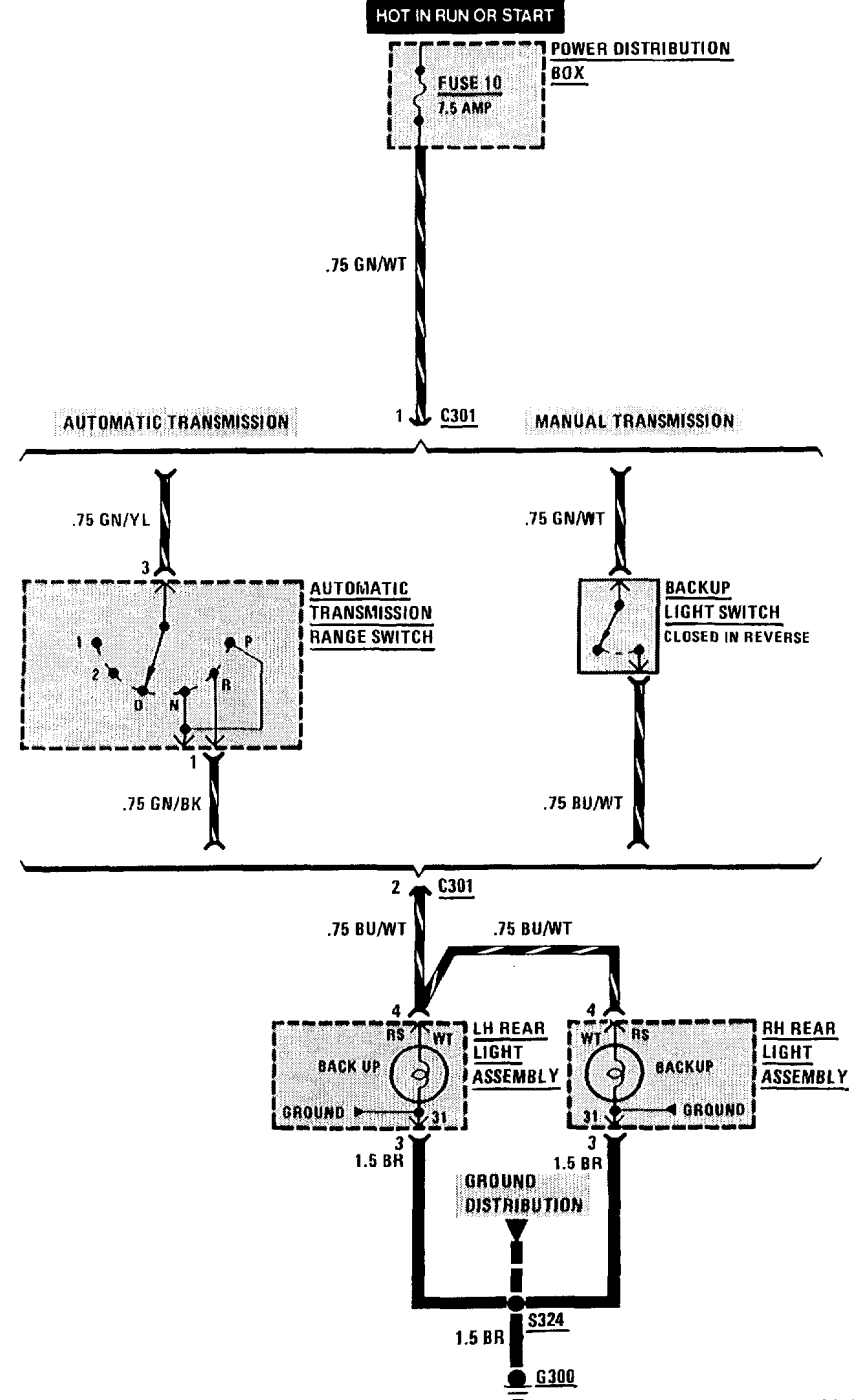
# 176 HORNS

(For Component Location See Page 202)

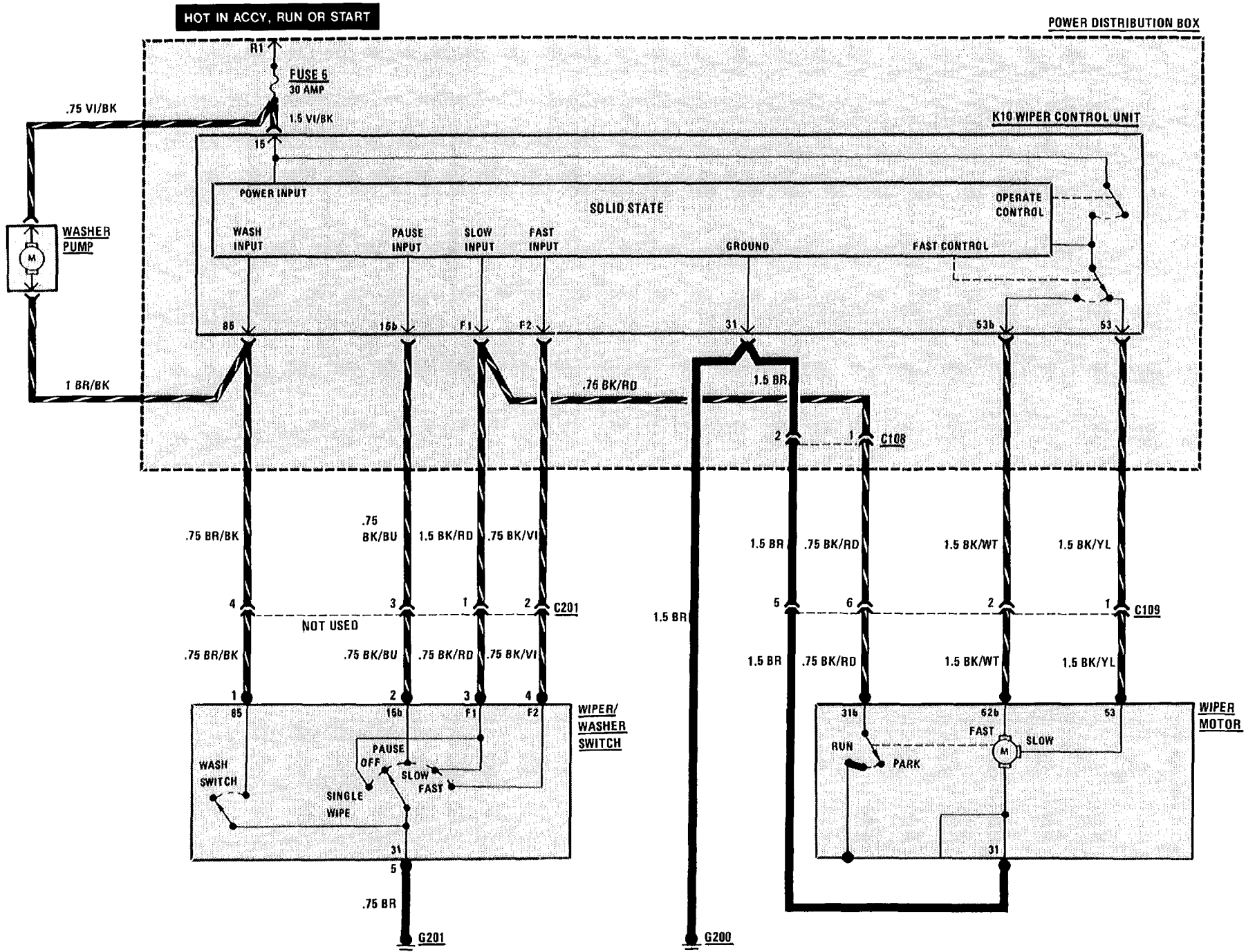


# BACK UP LIGHTS

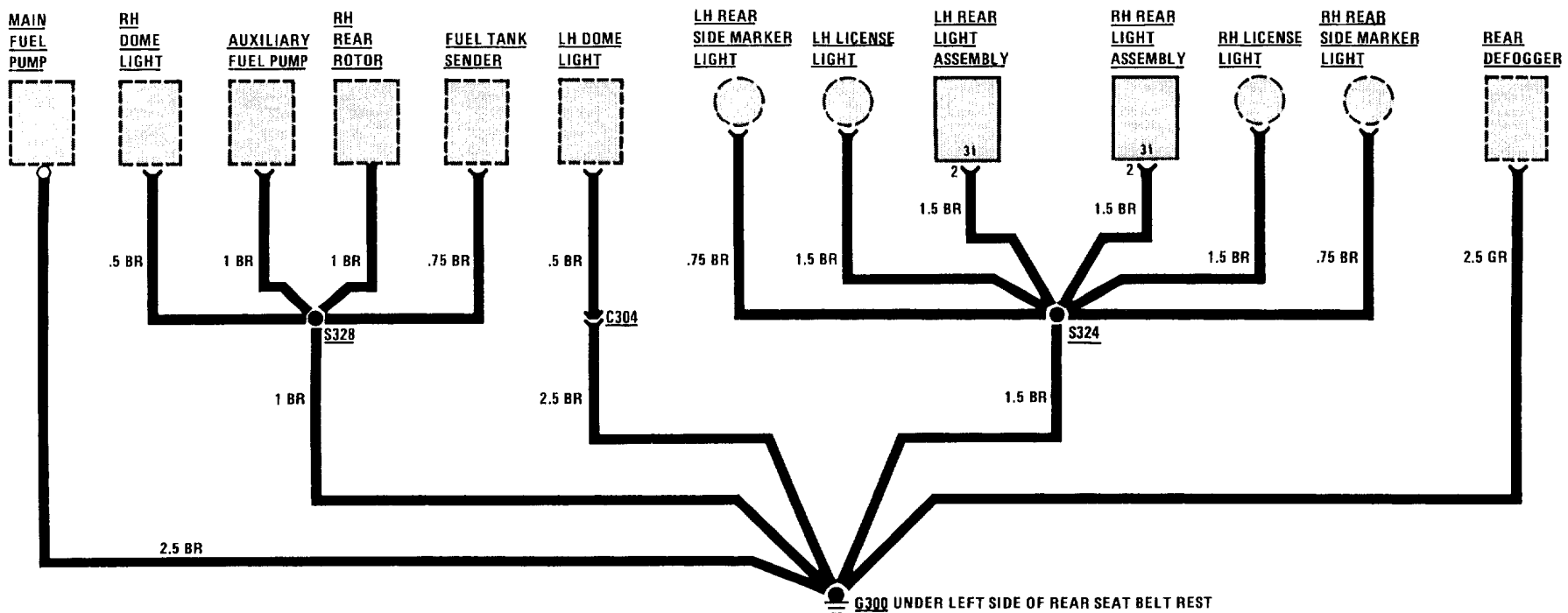
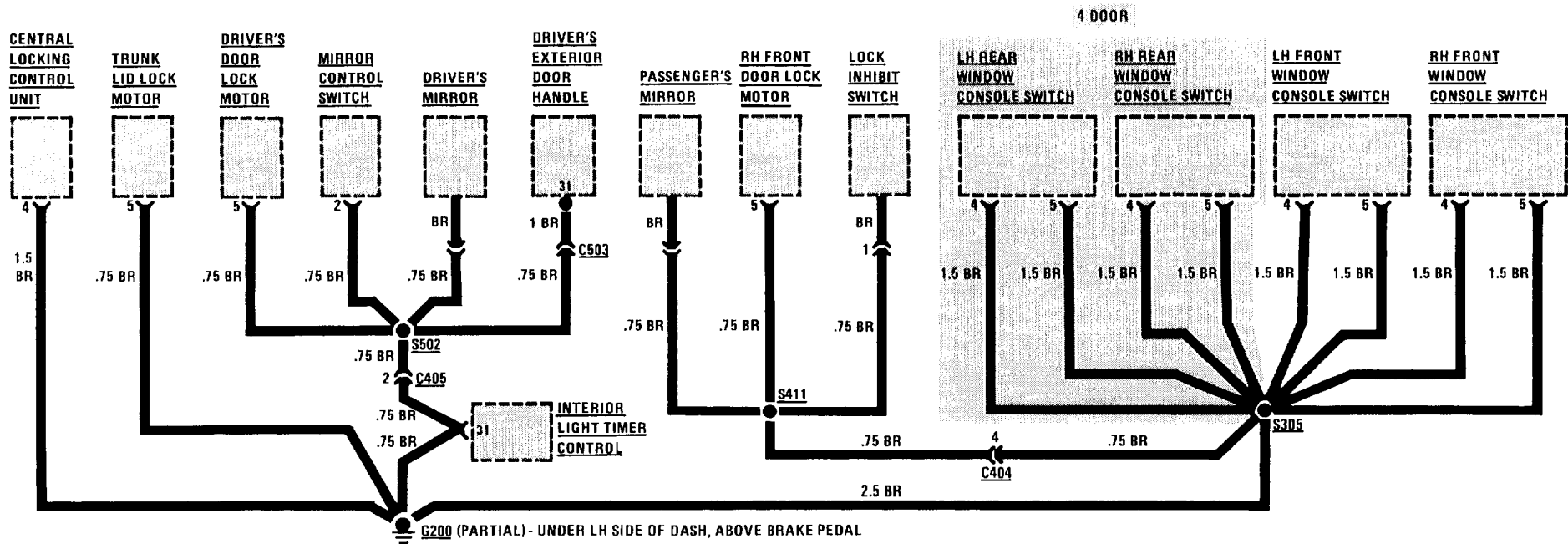
(For Component Location See Page 202)



(For Component Location See Page 219)

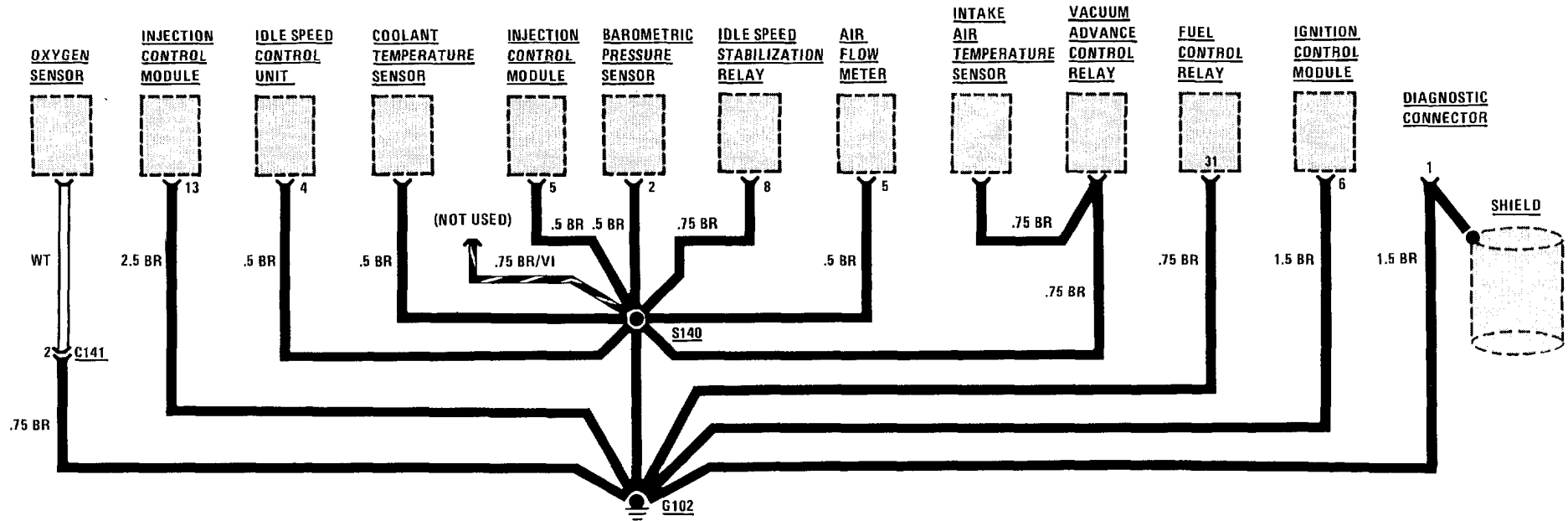




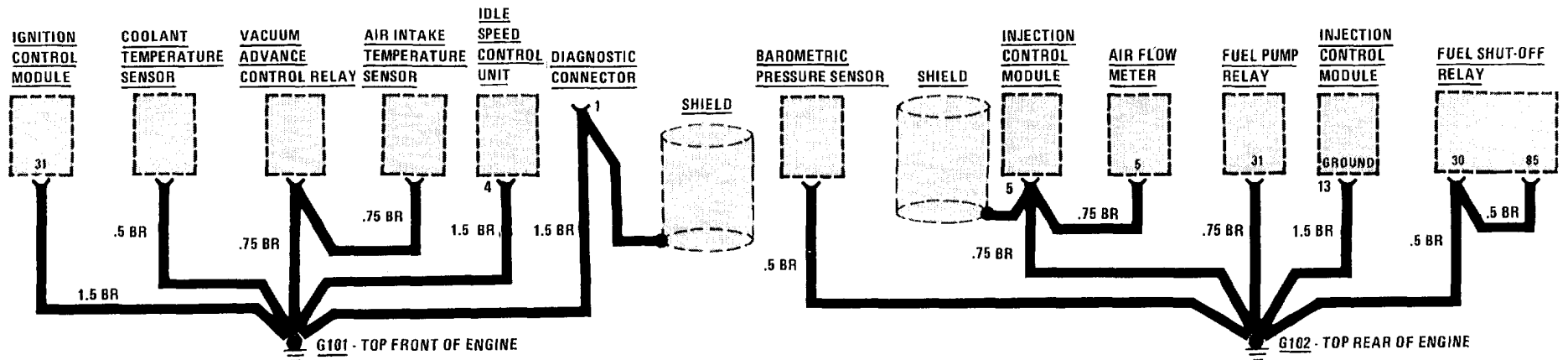


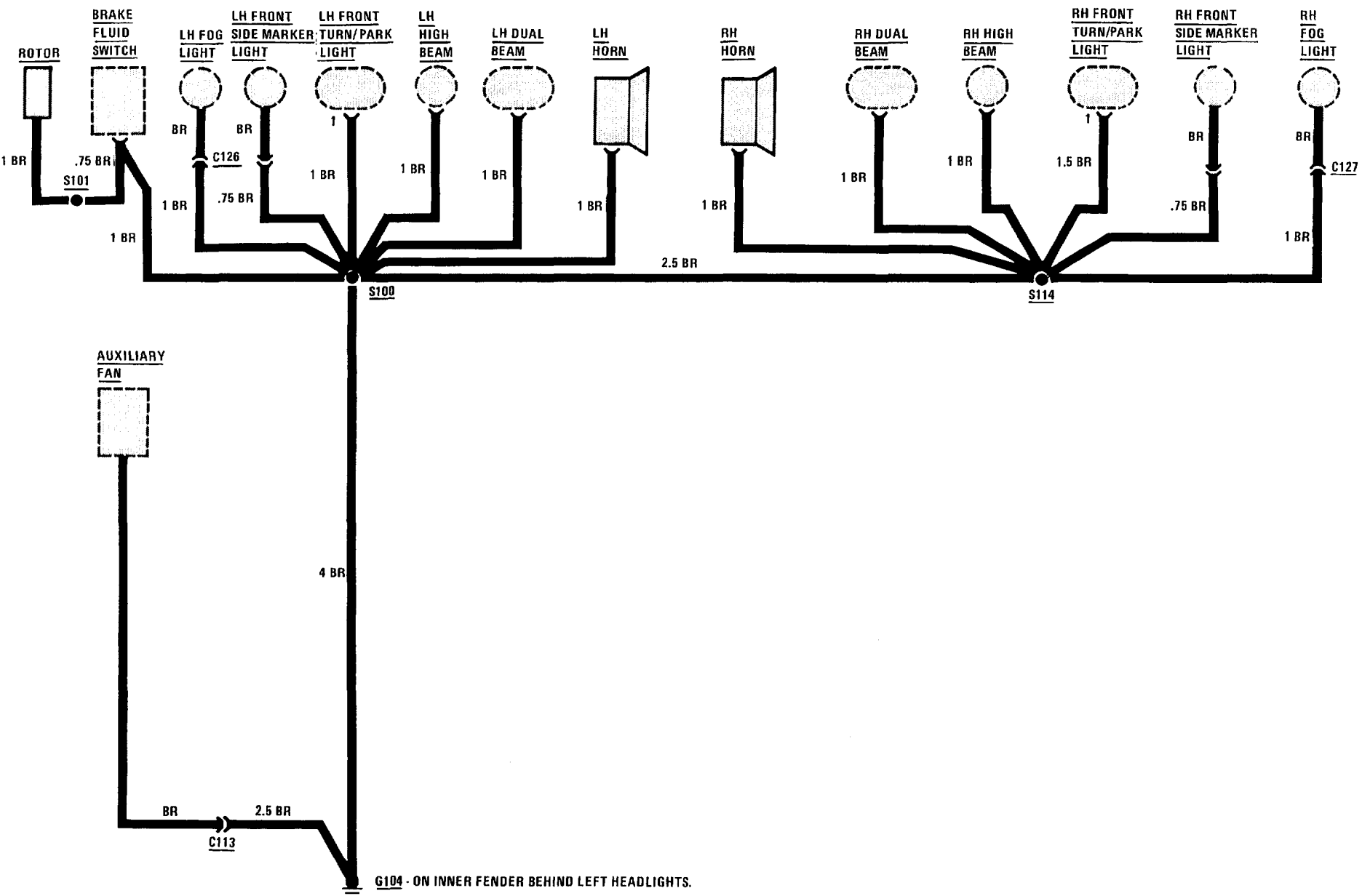
# 180 GROUND DISTRIBUTION (G101, G102)

## (LATE PRODUCTION)



## (EARLY PRODUCTION)





G104 - ON INNER FENDER BEHIND LEFT HEADLIGHTS.

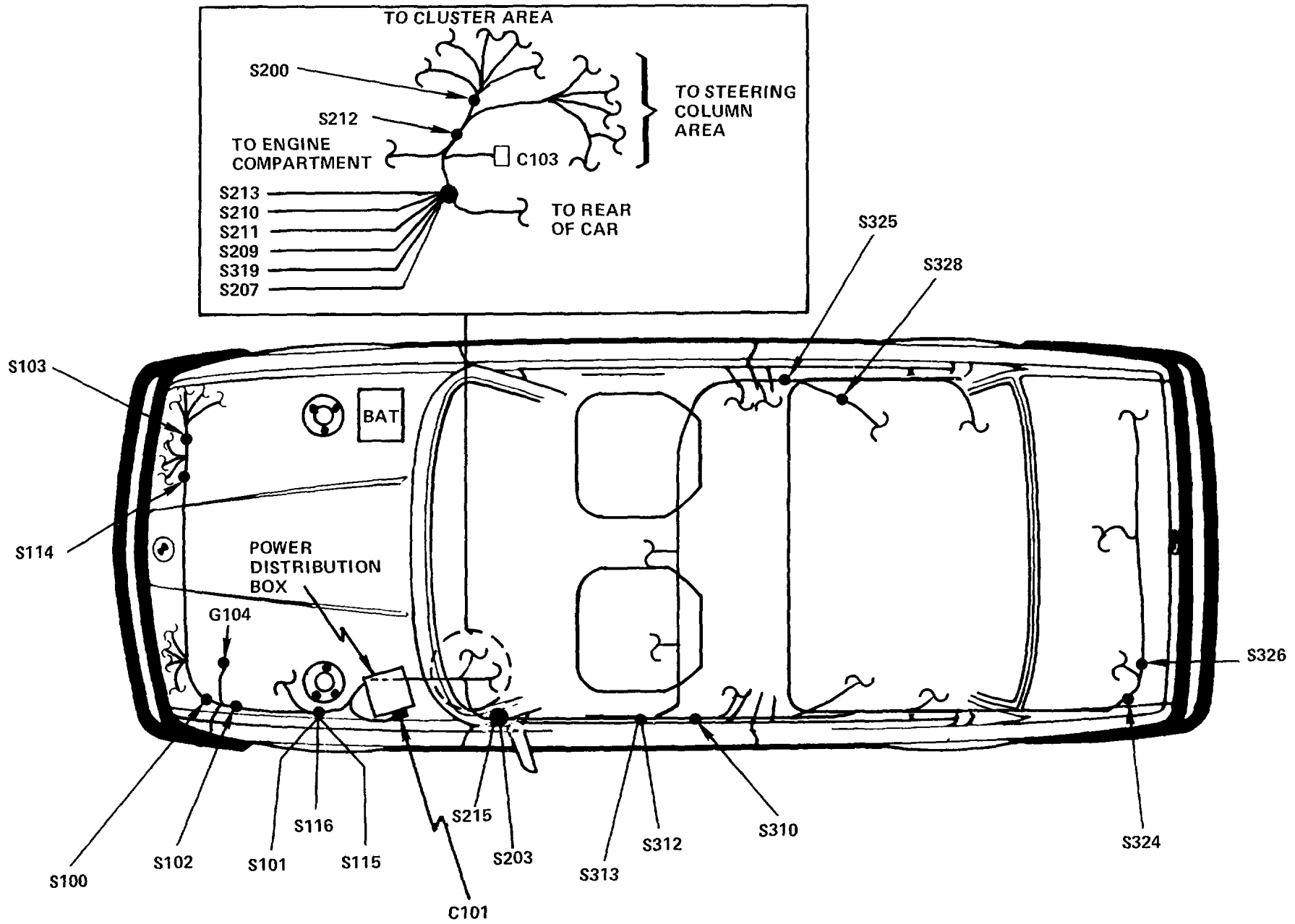
## Index-Splice Locations 318i

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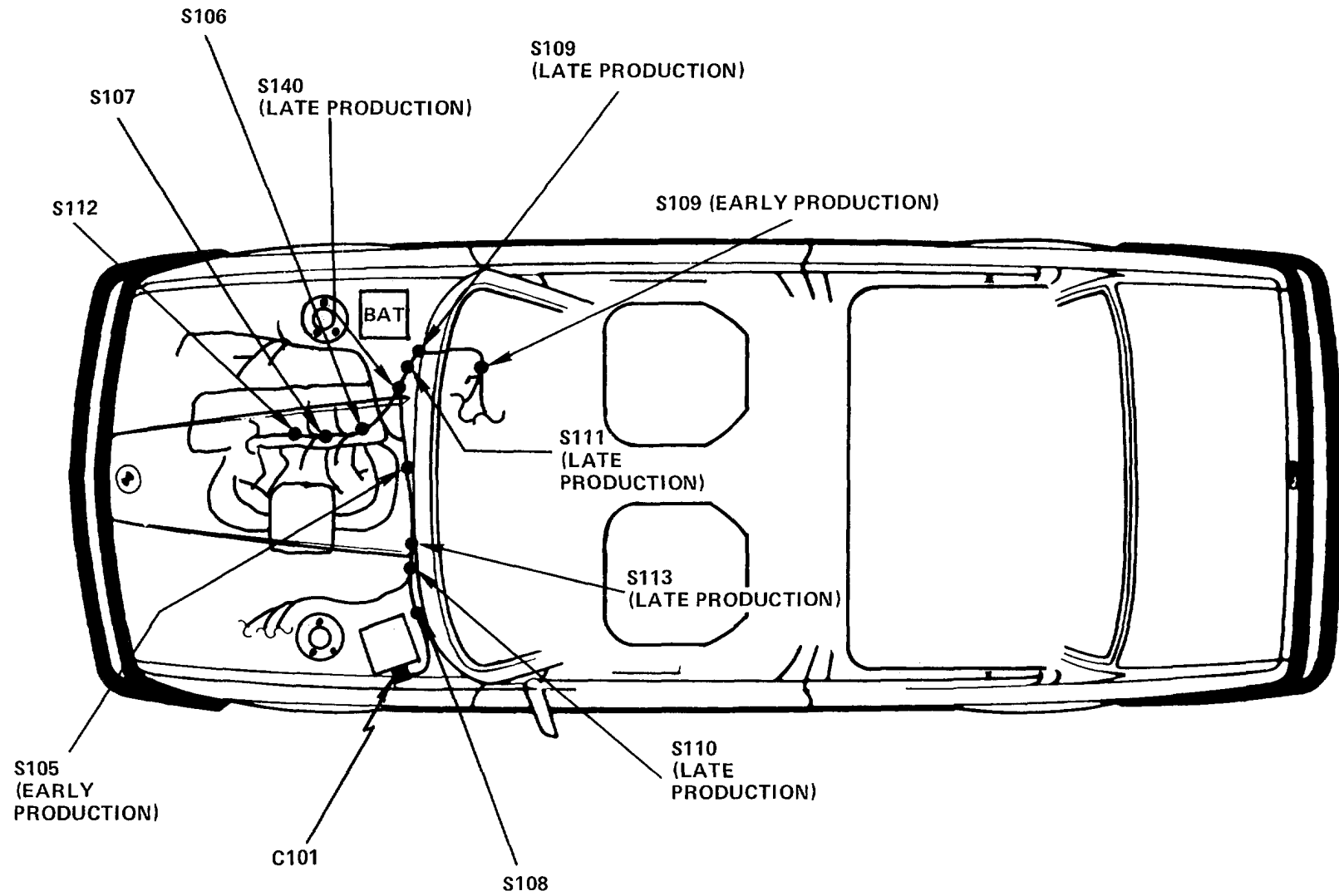
This index contains all the splices in the car, what harness each one is in, and the page that the splices appear on. The drawings after the index show how the harness is routed through the car and where the splices are located on the harness.

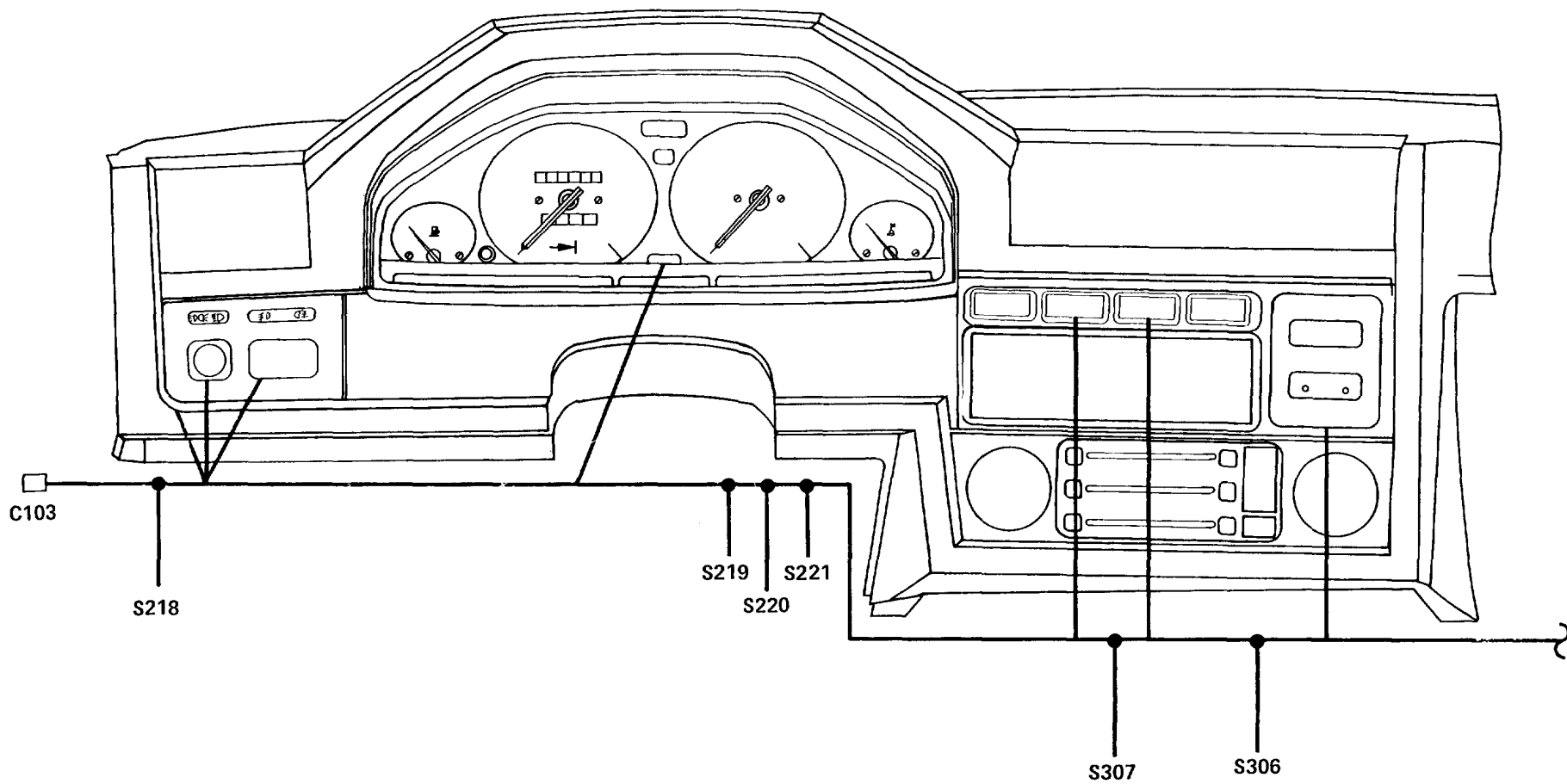
<b>SPLICE</b>	<b>HARNESS</b>	<b>PAGE NUMBER</b>	<b>SPLICE</b>	<b>HARNESS</b>	<b>PAGE NUMBER</b>
S100	MAIN	183	S301	DOOR	187
S101	MAIN	183	S302	DOOR	187
S102	MAIN	183	S303	DOOR	187
S103	MAIN	183	S305	DOOR	187
S105	ENGINE	184	S306	I/P	185
S106	ENGINE	184	S307	I/P	185
S107	ENGINE	184	S308	DOOR	187
S108	ENGINE	184	S309	DOOR	187
S109	ENGINE	184	S310	MAIN	183
S111	ENGINE	184	S312	MAIN	183
S112	ENGINE	184	S313	MAIN	183
S113	ENGINE	184	S319	MAIN	183
S114	MAIN	183	S322	DOOR	
S115	MAIN	183		(4 DR ONLY)	187
S116	MAIN	183	S323	DOOR	187
S140	ENGINE	184	S324	MAIN	183
S200	MAIN	183	S325	MAIN	183
S203	MAIN	183	S326	MAIN	183
S207	MAIN	183	S328	MAIN	183
S209	MAIN	183	S332	DOOR	187
S210	MAIN	183	S333	DOOR	187
S211	MAIN	183	S402	DOOR	
S212	MAIN	183		(4 DR ONLY)	187
S213	MAIN	183	S411	DOOR	187
S215	MAIN	183	S502	DOOR	187
S218	I/P	185	S503	DOOR	187
S219	I/P	185	S504	DOOR	187
S220	I/P	185	S600	SUNROOF	NOT SHOWN
S221	I/P	185			
S300	DOOR	187	S601	SUNROOF	NOT SHOWN



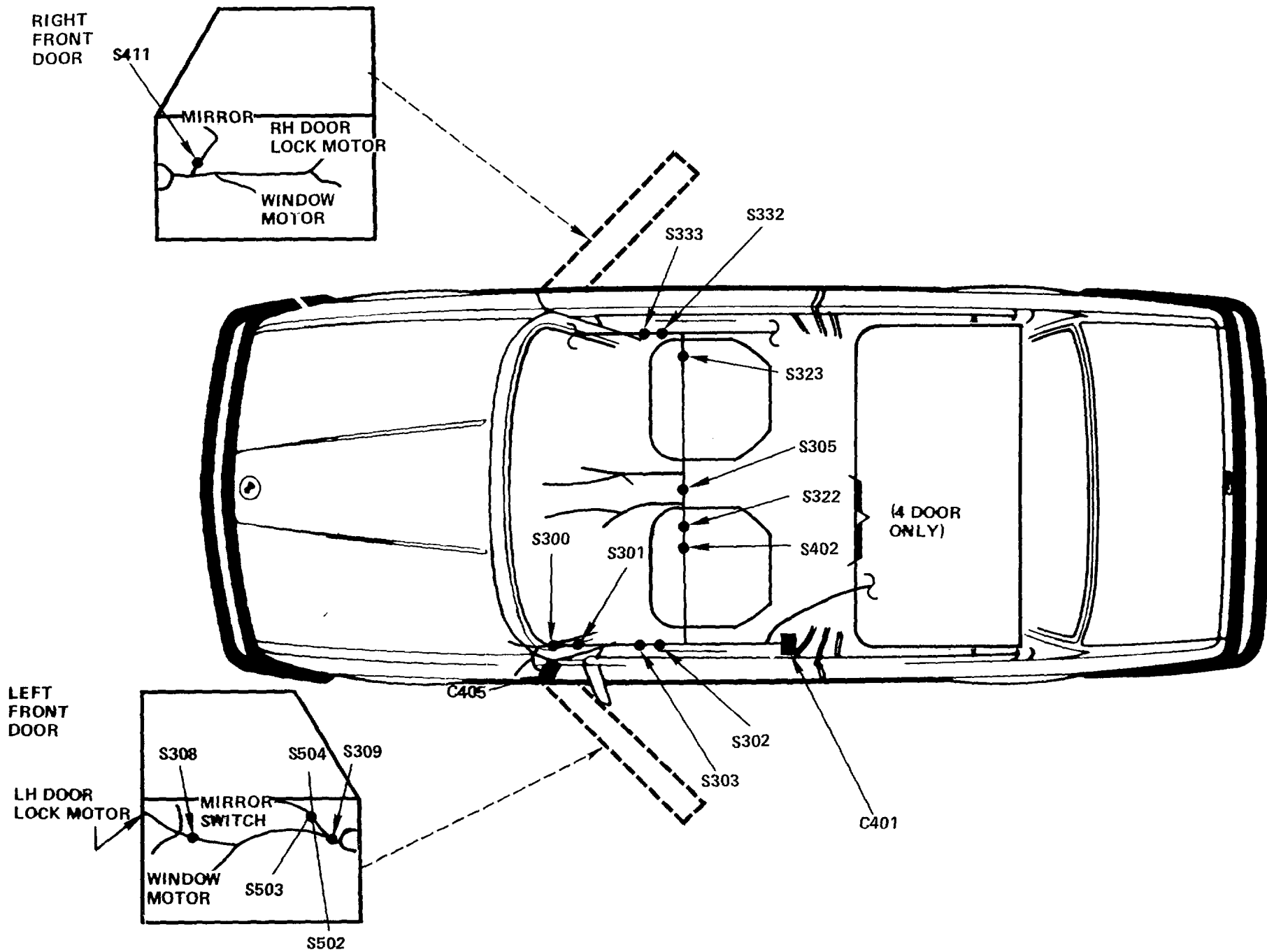


# 184 ENGINE HARNESS SPLICE LOCATIONS





# 186 DOOR HARNESS SPLICE LOCATIONS



**ACTIVE CHECK CONTROL (325e)**

Active Check Control Unit . . . . .	Above rear view mirror. . . . .	220-1
Brake Switch . . . . .	Above brake pedal . . . . .	214-1
Coolant Level Switch . . . . .	On RH front wheel well, in coolant reservoir. . . . .	217-4
Low Beam Check Relay . . . . .	In power distribution box	
Oil Level Sensor . . . . .	Top LH side of oil pan	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Rear Lights Check Relay . . . . .	In trunk above left wheel well	
Seatbelt Warning Timer . . . . .	Under LH side of dash on electrical bracket . . . . .	218-3
Washer Fluid Level Switch . . . . .	In reservoir, behind RH headlights. . . . .	216-5
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C103 (29 pins) . . . . .	Under LH side of dash on body electrical bracket	
G104. . . . .	On inner fender behind LH headlights . . . . .	211-1
G200. . . . .	Under LH side of dash above brake pedal . . . . .	210-2
G300. . . . .	Behind LH side of rear seat . . . . .	209-2

**FIGURE**

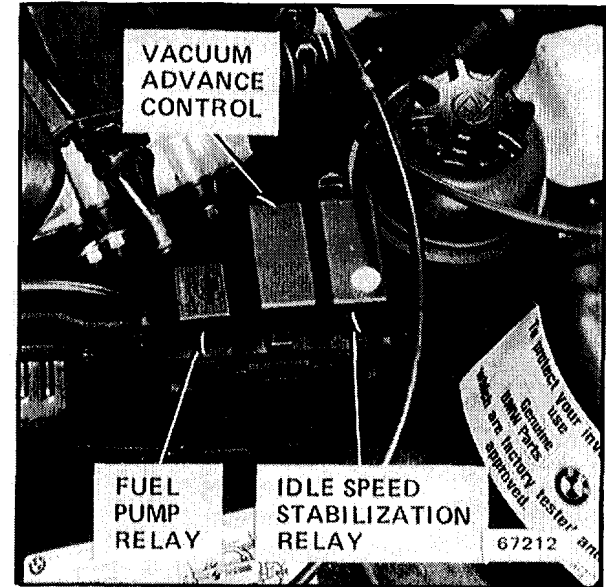


Figure 1 - Forward Of Left Front Shock Tower (318i Late Production)

**AUXILIARY FAN**

Auxiliary Fan. . . . .	In front of condensor	
Compressor Enable Switch . . . . .	Behind A/C face plate	
Evaporator Temperature Switch. . . . .	Left side of evaporator housing	
High Speed Temperature Switch (318i). . . . .	Bottom left rear of radiator . . . . .	207-2
High Speed Temperature Switch (325e) . . . . .	Top left side of radiator . . . . .	216-6
Normal Speed Auxiliary Fan Blower Resistor . . . . .	Front of A/C condenser . . . . .	218-2
Normal Speed Temperature Switch (318i). . . . .	Bottom left rear of radiator . . . . .	207-2
Normal Speed Coolant Temperature Switch (325e). . . . .	Top left side of radiator . . . . .	216-6
Power Distribution Box . . . . .	At top rear of left front wheel well	
C113 (3 pins) . . . . .	Behind left headlights . . . . .	211-1
C204 (9 pins) 325e . . . . .	Under left side of dash on steering column. . . . .	214-1
G104. . . . .	On inner fender, behind left headlights . . . . .	211-1
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2

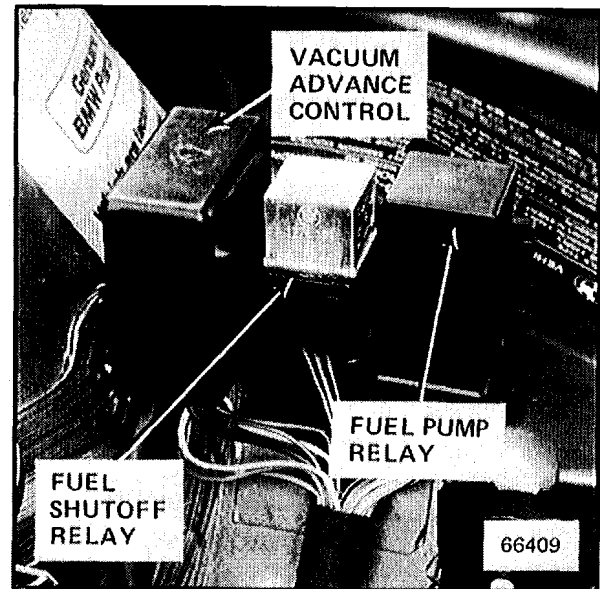


Figure 2 - Forward Of Left Front Shock Tower (318i Early Production)

## 202 COMPONENT LOCATIONS

### BACK UP LIGHTS/HORN

		FIGURE
Automatic Trans. Range Switch. . . . .	At base of shift lever	
Backup Light Switch . . . . .	On transmission	
Horn/Brush Slip Ring . . . . .	In upper steering column	
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
C202 (9 pins) . . . . .	Under LH side of dash, on steering column. . . . .	210-1
C301 (2 pins) . . . . .	At base of shift lever	
G104. . . . .	On inner fender behind left headlights . . . . .	211-1
G300. . . . .	Under left side of rear seat. . . . .	209-2

### BRAKE WARNING SYSTEM

Brake Fluid Level Switch. . . . .	Left of engine, on brake fluid reservoir. . . . .	208-1
Ignition Switch . . . . .	Upper part of steering column	
Park Brake Switch . . . . .	At base of parking brake	
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
Seatbelt Warning Timer . . . . .	Above brake pedal . . . . .	210-2
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
G104. . . . .	On inner fender, behind left headlights . . . . .	211-1
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2

### CENTRAL LOCKING SYSTEM

Central Lock Control Unit . . . . .	Below and behind left front speaker	
Door Lock Motors . . . . .	Rear part of each door	
Gas Filler Lock Motor . . . . .	Behind right rear inner wheel well	
Ignition Switch . . . . .	Upper part of steering column	
Lock Inhibit Switch . . . . .	Rear of RH front door	
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
Trunk Lock Motor . . . . .	On trunk lock center support	
Unlock Inhibit Switch. . . . .	Rear of LH front door	
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C302 (25 pins) Accy Connector . . . . .	Upper left corner of driver's footwell. . . . .	213-1
C401 (7 pins) 4 Door Only . . . . .	In left B pillar	
C402 (7 pins) 4 Door Only . . . . .	In right B pillar	
C404 (21 pins) . . . . .	Above right front door jamb switch	
C405 (21 pins) . . . . .	Above left front door jamb switch	
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2

FIGURE

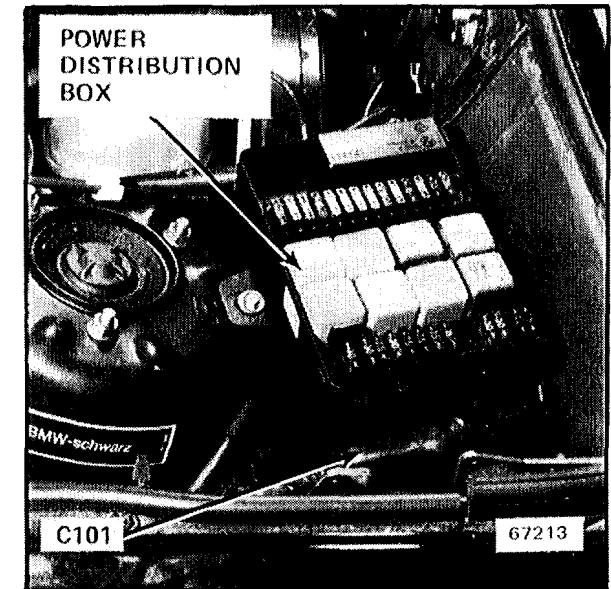


Figure 1 - Power Distribution Box

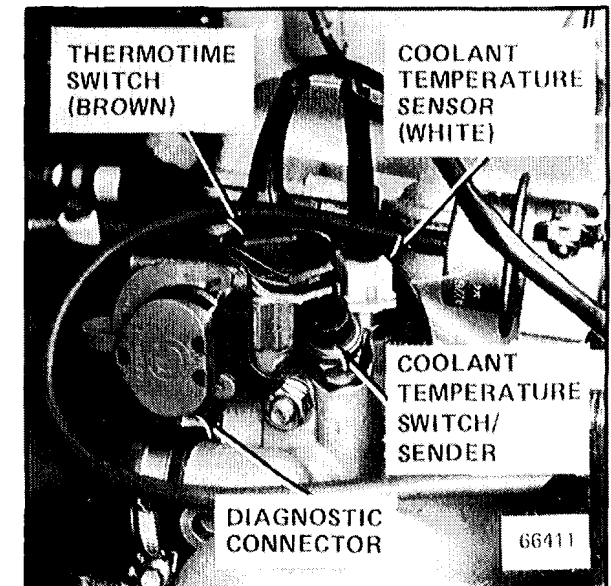


Figure 2 - Top Left Front Of Engine (318i)

**CIGAR LIGHTER/DIGITAL CLOCK/GLOVE BOX LIGHT/AUTO-CHARGING FLASHLIGHT**

Auto-Charging Flashlight . . . . .	In glove box	
Glove Box Light. . . . .	In right underdash cover, in glove box	
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C204 (9 pins) . . . . .	Under left side of dash . . . . .	214-1
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2

**FIGURE**

**CRUISE CONTROL/STOP LIGHTS**

Active Check Control Unit . . . . .	Above rear view mirror	
Auto Trans. Range Switch . . . . .	At base of shift lever	
Brake Switch . . . . .	Above brake pedal . . . . .	214-1
Clutch Switch. . . . .	Above clutch pedal	
Cruise Control Actuator . . . . .	Forward of LH front shock tower . . . . .	216-2
Cruise Control Control Unit . . . . .	Mounted under RH side of dash . . . . .	218-6
Cruise Control Switch . . . . .	On RH side of steering column	
Power Distribution Box. . . . .	At top rear of LH front wheel well. . . . .	202-1
Rear Lights Check Relay . . . . .	In trunk above left wheel well	
Start Relay . . . . .	Upper LH corner of driver's footwell . . . . .	218-4
C142 (1 pin). . . . .	Under LH side of dash above steering column. . . . .	218-3
C143 (1 pin). . . . .	Under LH side of dash near body electrical bracket . . . . .	218-4
C202 (13 pins) . . . . .	Under left side of dash on steering column. . . . .	210-1
C208 (2 pins) . . . . .	Near brake pedal support bracket . . . . .	218-3
C209 (7 pins) . . . . .	Above brake pedal	
C210 (4 pins) . . . . .	On LH side of steering column	
C301 (2 pins) . . . . .	At base of shift lever	
C302 (25 pins) Accy Connector . . . . .	Under left side of dash on body electrical bracket . . . . .	213-1
G104. . . . .	On inner fender, behind left headlights . . . . .	211-1
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2
G201 (Steering Column Ground) . . . . .	Upper left side of steering column	
G300. . . . .	Under left side of rear seat. . . . .	209-2

**DASH LIGHTS**

Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C204 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	214-1
C302 (25 pins) Accy Connector . . . . .	Under left corner of driver's footwell . . . . .	213-1
G200. . . . .	Under left side of dash, above brake pedal . . . . .	210-2

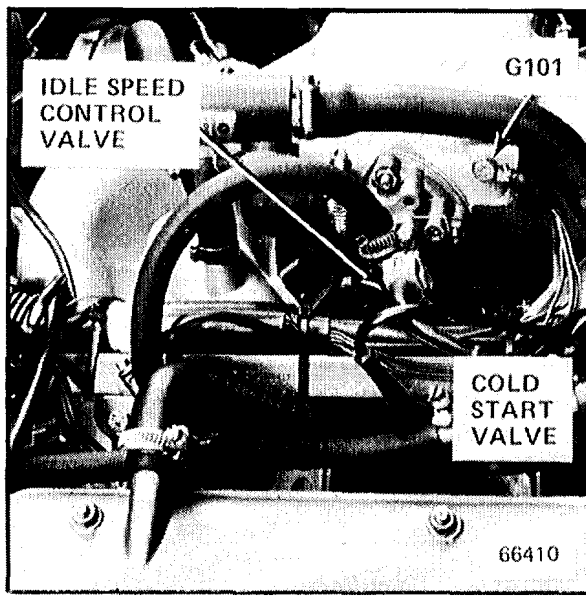


Figure 1 - Top Center Of Engine (318i Early Production)

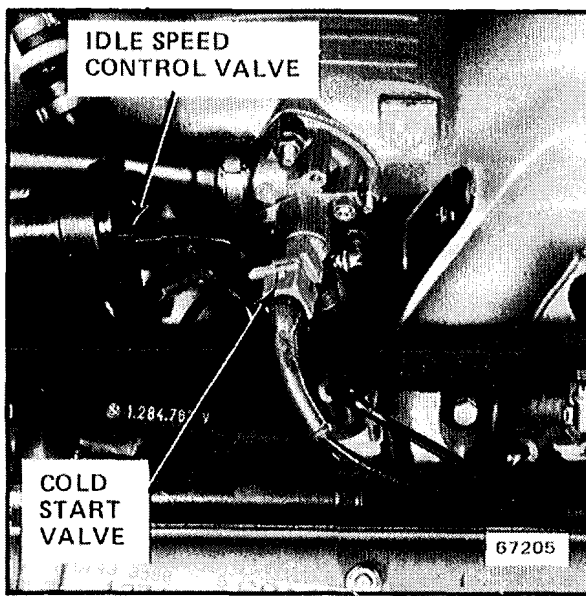


Figure 2 - Top Center Of Engine (318i Late Production)

## ENGINE: 318i

### CHARGING SYSTEM (318i)

Dash Warning Display	Top center of dash	
Diagnostic Connector	Top front of engine	202-2
Ignition Switch	Upper part of steering column	
Power Distribution Box	At top rear of left front wheel well	202-1
C101 (19 pins)	On power distribution box	202-1
C103 (29 pins)	Upper left corner of driver's footwell	213-1
C200 (9 pins)	Upper left side of dash, on steering column	210-1
G100	Behind right front shock tower	

### FUEL CONTROL (318i)

Air Flow Meter	Behind air cleaner	204-1
Barometric Pressure Sensor (Early Production)	Mounted on air intake housing	205-2
Barometric Pressure Sensor (Late Production)	Mounted on air intake housing	205-1
Cold Start Valve (Early Production)	Top center of engine	203-1
Cold Start Valve (Late Production)	Top center of engine	203-2
Coolant Temperature Sensor	Front of engine, top of thermostat housing	202-2
Diagnostic Connector	Top front of engine	202-2
Fuel Pump Relay (Early Production)	On bracket in front of left front shock tower	201-2
Fuel Shutoff Relay (Early Production)	On bracket in front of left front shock tower	201-2
Idle Speed Stabilization Relay (Late Production)	On bracket in front of left front shock tower	201-1
Ignition Coil	On right front wheel well	
Ignition Control Module (Early Production)	On bulkhead, above brake vacuum booster	215-2
Ignition Switch	Upper part of steering column	
Injection Control Module	Right side of dash, above glove box	213-2
Oxygen Sensor	RH rear of engine, in exhaust manifold	
Thermostat Switch	Front of engine, top of thermostat housing	202-2
Throttle Switch	Below rear of throttle body	
Vacuum Advance Control (Early Production)	On bracket in front of left front shock tower	201-2
C101 (19 pins)	On power distribution	202-1
C140 (Late Production)	RH rear of engine near battery	
C141 (Late Production)	RH rear of engine near battery	
G101	Top front of engine	203-1
G102	Top rear of engine	

## FIGURE

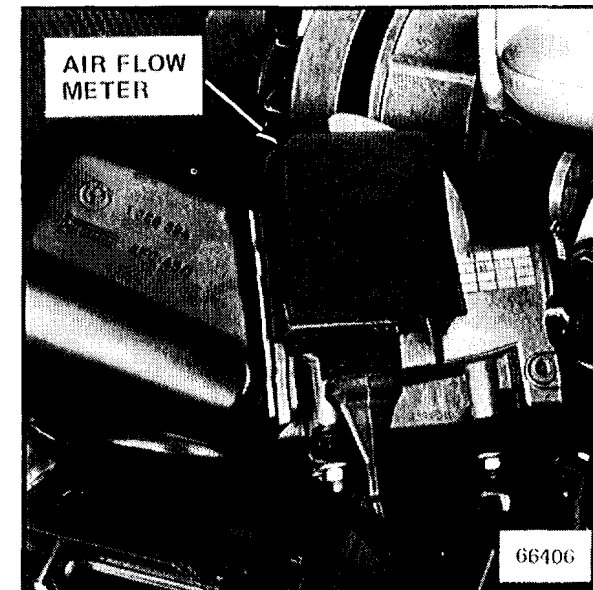


Figure 1 - Left Front Corner Of Engine Compartment (318i)

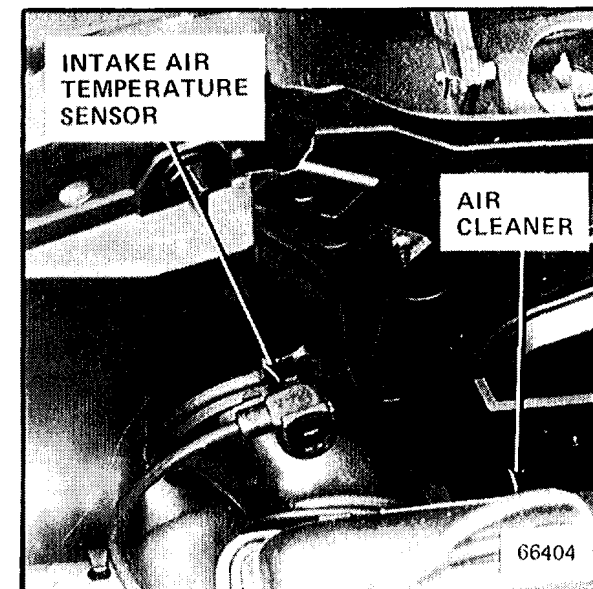


Figure 2 - Left Front Corner Of Engine Compartment (318i)



**IDLE SPEED CONTROL (318i)**

		FIGURE
0°C (32°F) Temp Switch . . . . .	On bulkhead, behind distributor . . . . .	207-1
Automatic Trans. Range Switch. . .	At base of shift lever	
Coolant Temperature Switch/ Sender . . . . .	Front of engine, top of thermostat housing. . .	202-2
Diagnostic Connector. . . . .	Top front of engine. . . . .	202-2
Fuel Pump Relay (Early Production)	On bracket in front of left front shock tower. .	201-2
Fuel Pump Relay (Late Production)	On bracket in front of left front shock tower. .	201-1
Idle Speed Control Unit. . . . .	Right side of dash, above glove box . . . . .	213-2
Idle Speed Control Valve (Early Production) . . . . .	Top rear of engine . . . . .	203-1
Idle Speed Relay (Late Production)	Top rear of engine	
Idle Speed Stabilization Relay (Late Production) . . . . .	On bracket in front of left front shock tower. .	201-1
Ignition Coil (Early Production) . . .	On right front wheel well	
Ignition Control Module . . . . .	On bulkhead, above brake vacuum booster	
Injection Control Module. . . . .	Right side of dash, above glove box . . . . .	213-2
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
Throttle Switch. . . . .	Below rear of throttle body	
C101 (9 pins) . . . . .	On power distribution box . . . . .	202-1
C105 (1 pin) . . . . .	Right side of evaporator housing. . . . .	214-2
C107 (1 pin) (Late Production) . . . .	Near washer pump	
C131 (1 pin) . . . . .	Right side of dash, above glove box . . . . .	214-2
C301 (2 pins) . . . . .	At base of shift lever	
G101. . . . .	Top front of engine. . . . .	203-1

**IDLE SPEED STABILIZATION (LATE PRODUCTION) (318i)**

Fuel Pump Relay . . . . .	On bracket in front of left front shock tower. .	201-1
Idle Speed Control Unit. . . . .	Under RH side of dash near glove box . . . . .	213-2
Idle Speed Stabilization Relay . . . .	On bracket in front of left front shock tower. .	201-1
Injection Control Module. . . . .	Right side of dash above glove box . . . . .	213-2
Power Distribution Box. . . . .	At top of left front wheel well . . . . .	202-1
Throttle Switch. . . . .	Below rear of throttle body	
C101. . . . .	On power distribution box . . . . .	202-1
C107. . . . .	Near washer pump . . . . .	206-2
G100. . . . .	Behind right front shock tower	
G102. . . . .	Top rear of engine	

**FIGURE**



Figure 1 - Left Front Corner Of Engine Compartment (318i Late Production)

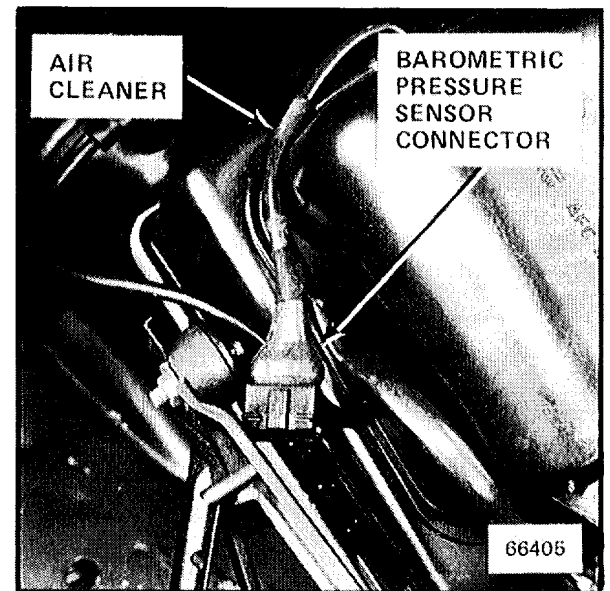


Figure 1 - Left Front Corner Of Engine Compartment (318i Early Production)

**IGNITION/FUEL DELIVERY (318i)**

		FIGURE
Auxiliary Fuel Pump . . . . .	In fuel tank . . . . .	209-1
Diagnostic Connector . . . . .	Top front of engine . . . . .	202-2
Fuel Pump Relay (Early Production) . . . . .	On bracket in front of left front shock tower . . . . .	201-2
Fuel Pump Relay (Late Production) . . . . .	On bracket in front of left front shock tower . . . . .	201-1
Idle Speed Control Unit . . . . .	Right side of dash, above glove box . . . . .	213-2
Ignition Coil . . . . .	On right front wheel well	
Ignition Control Module (Early Production) . . . . .	On bulkhead, above brake booster . . . . .	215-2
Ignition Control Module (Late Production) . . . . .	On bulkhead, above brake booster . . . . .	215-3
Ignition Switch . . . . .	Upper part of steering column	
Injection Control Module . . . . .	Right side of dash, above glove box . . . . .	213-2
Main Fuel Pump . . . . .	Under car, in front of left rear wheel	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C103 (23 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C104 (3 pins) . . . . .	Right side of dash above glove box . . . . .	213-2
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C212 (2 pins) . . . . .	Under LH side of dash near accessory connector . . . . .	218-4
C235 (3 pins) . . . . .	Under LH side of dash, near accessory connector	
G100 . . . . .	Behind right front shock tower	
G101 (Early Production Only) . . . . .	Top front of engine . . . . .	203-1
G102 . . . . .	Top rear of engine	
G300 . . . . .	Under left side of rear seat . . . . .	209-2

**START (318i)**

Automatic Trans. Range Switch . . . . .	At base of shift lever	
Diagnostic Connector . . . . .	Top front of engine . . . . .	202-2
Ignition Switch . . . . .	Upper part of steering column	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Start Relay . . . . .	Upper left corner of driver's footwell	
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C241 (1 pin) (Automatic Transmission Only) . . . . .	Behind instrument panel, above steering column	

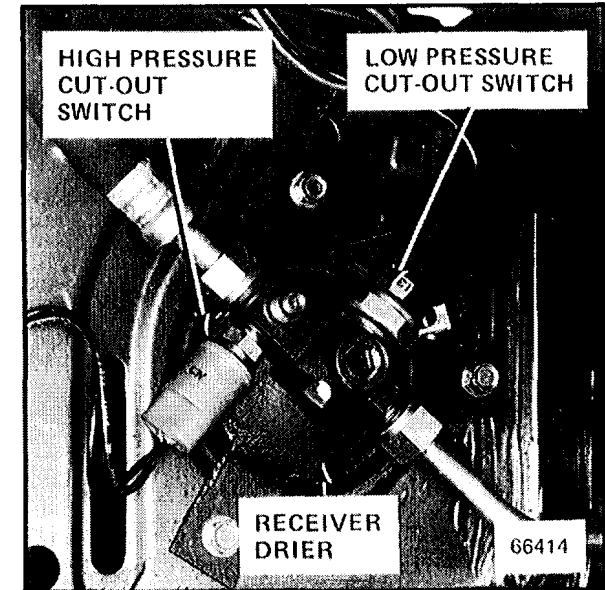


Figure 1 - Behind Right Headlights

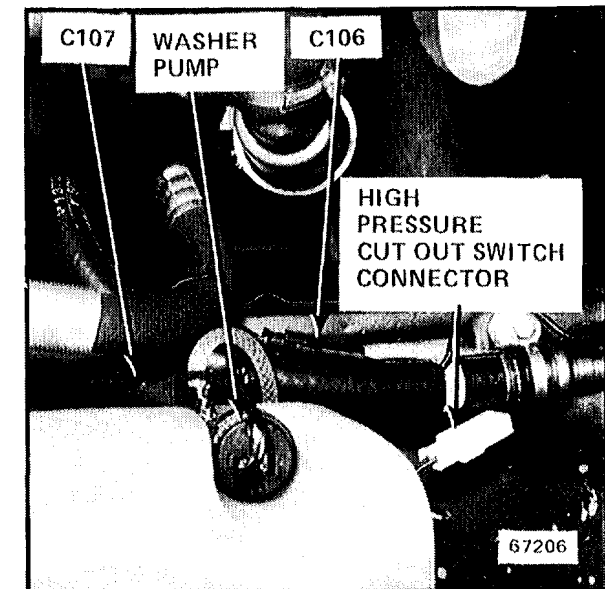


Figure 2 - Right Front Corner Of Engine Compartment

(continued)

C301 (2 pins)	At base of shift lever	
G100	Behind right front shock tower	
G200	Under left side of dash, above brake pedal	210-2

FIGURE

**VACUUM ADVANCE (318i)**

Coolant Temperature Switch/ Sender	Front of engine, top of thermostat housing	202-2
Diagnostic Connector	Top front of engine	202-2
Idle Speed Stabilization (Late Production)	On bracket in front of left front shock tower	201-1
Ignition Control Module (Early Production)	On bulkhead, above brake vacuum booster	215-2
Ignition Control Module (Late Production)	On bulkhead, above brake vacuum housing	215-3
Injection Control Module (Late Production)	Right side of dash, above glove box	213-2
Intake Air Temp. Sensor	In air intake, behind left headlights	204-2
Power Distribution Box	At top rear of left front wheel well	202-1
Vacuum Advance Control (Early Production)	On bracket in front of left front shock tower	201-2
Vacuum Advance Control (Late Production)	On bracket in front of left front shock tower	201-1
Vacuum Advance Solenoid Valve (Early Production)	On bulkhead, above brake vacuum booster	215-4
Vacuum Advance Solenoid Valve (Late Production)	On bulkhead, above brake vacuum booster	215-3
Vacuum Advance Unit	On distributor	
C101 (19 pins)	On power distribution box	202-1
G101	Top front of engine	203-1

**ENGINE: 325e**

**CHARGING SYSTEM (325e)**

Battery	In RH rear of trunk	
Battery Junction Block	Engine compartment or RH bulkhead	217-3
Diagnostic Connector	Top LH front of engine	216-3
Ignition Switch	Upper part of steering column	
Power Distribution Box	At top rear of left front wheel well	202-1
C101 (19 pins)	On power distribution box	202-1
C103 (29 pins)	Upper left corner of driver's footwell	213-1

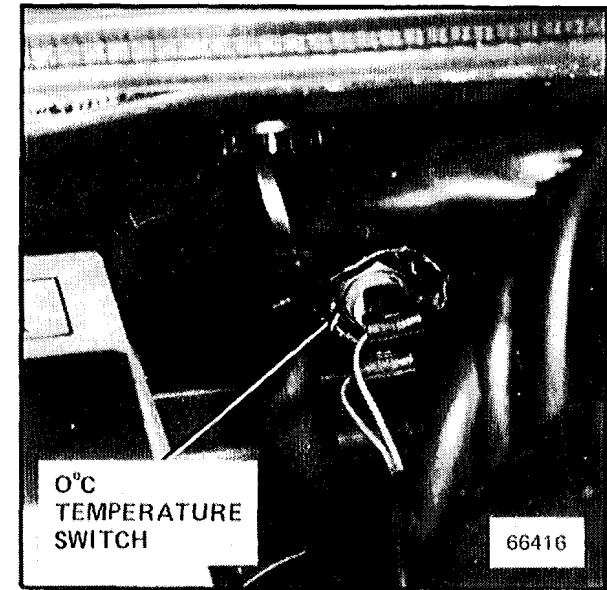


Figure 1 - Bulkhead Behind Distributor (318i Early Production)

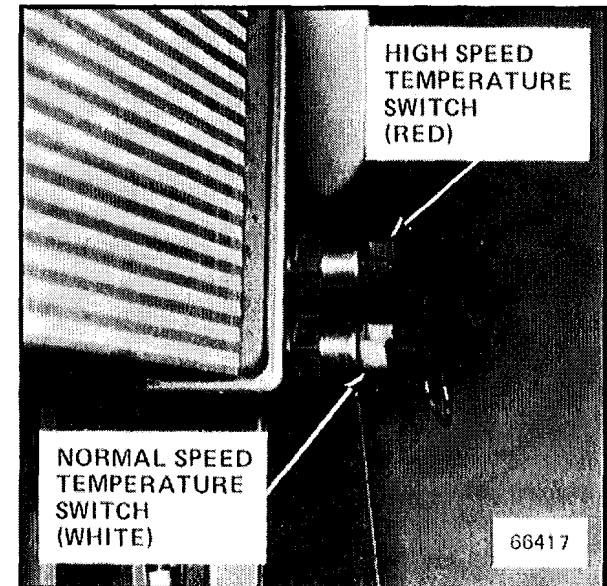


Figure 2 - Bottom Left Rear Of Radiator (318i)

## 208 COMPONENT LOCATIONS

(continued)

		FIGURE
C200 (9 pins) . . . . .	Under left side of dash, on steering column . .	210-1
G100 (325e). . . . .	RH rear of trunk behind battery	

### FUEL DELIVERY/FUEL CONTROL (325e)

Air Flow Meter . . . . .	In intake duct, above rear of air cleaner housing. . . . .	216-4
Auxiliary Fuel Pump . . . . .	In fuel tank . . . . .	209-1
Barometric Pressure Sensor . . . . .	Near top left rear of radiator . . . . .	216-6
Battery Junction Block . . . . .	Engine compartment on RH bulkhead . . . . .	217-3
Fuel Injectors . . . . .	Above intake manifold at each port	
Fuel Pump Relay . . . . .	On bracket in front of left front shock tower. .	216-4
Ignition Switch . . . . .	Upper part of steering column	
Main Fuel Pump . . . . .	Under car, in front of left rear wheel	
Main Relay . . . . .	On bracket in front of left front shock tower. .	216-4
Motronic Control Unit. . . . .	Under RH side of dash, above glove box . . . .	218-5
On-Board Computer Module . . . . .	In center console, right of radio	
On-Board Computer Relay Box. . . . .	Under LH side of dash above hood release . . .	218-4
Oxygen Sensor . . . . .	In exhaust pipe, near rear transmission mount	
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
C103 (19 pins) . . . . .	On power distribution box . . . . .	213-1
C104 (3 pins) . . . . .	RH side of dash above glove box . . . . .	213-2
C140 (3 pins) . . . . .	Near RH rear side of engine . . . . .	217-5
C141 (3 pins) . . . . .	Under RH side of car below passenger side . .	218-1
C200 (9 pins) . . . . .	Under LH side of dash on steering column . . .	210-1
C212 (2 pins) . . . . .	Under LH side of dash near accessory connector . . . . .	218-4
C235 (3 pins) . . . . .	RH side of dash above glove box	
G103. . . . .	On left side of engine block above starter	
G300. . . . .	Behind LH side of rear seat . . . . .	209-2

### IDLE SPEED CONTROL (325e)

Automatic Transmission Range Switch . . . . .	In center console at base of shift lever	
Coolant Temperature Sensor . . . . .	Front of engine on thermostat housing . . . . .	217-1
Coolant Temperature Switch. . . . .	Front of engine on thermostat housing . . . . .	217-1
Engine Speed Sensor . . . . .	Lower LH side of transmission bell housing	
Idle Control Valve . . . . .	Top rear side of engine . . . . .	217-4
Idle Speed Control Unit. . . . .	Under RH side of dash, above glove box . . . .	213-2
Motronic Control Unit. . . . .	Under RH side of dash, above glove box . . . .	218-5
0°C Temperature Switch . . . . .	On bulkhead, left of battery junction block . . .	217-3

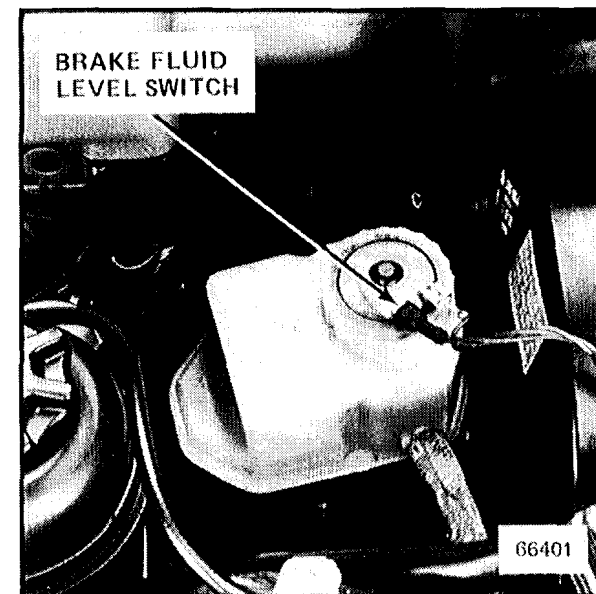


Figure 1 - LH Rear Of Engine Compartment

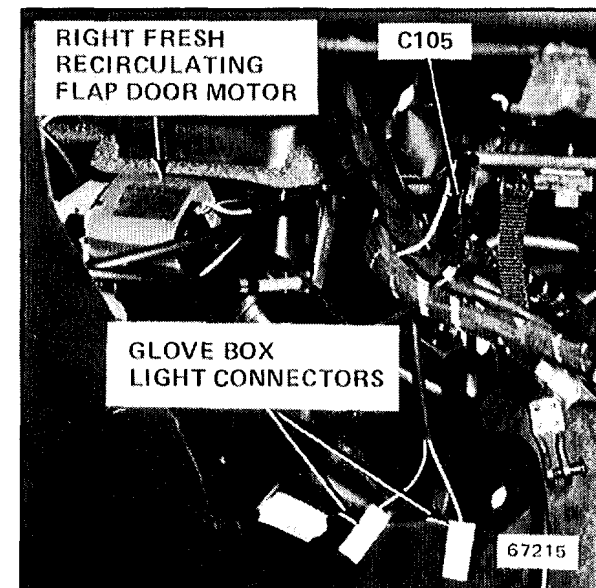


Figure 2 - Behind Right Side Of Center Console

(continued)

		FIGURE
Oxygen Sensor Heater Relay . . . . .	On bracket in front of left front shock tower . . . . .	216-4
Power Distribution Box . . . . .	At top rear of left wheel well . . . . .	202-1
Throttle Switch . . . . .	LH side of engine, below center of throttle body	
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C131 (1 pin) . . . . .	Right side of dash above glove box	
C132 (1 pin) . . . . .	Near automatic transmission range switch	
C301 (2 pins) . . . . .	At base of shift lever	
G103 . . . . .	On LH side of engine block above starter	

**IGNITION (325e)**

Diagnostic Connector . . . . .	Top LH front of engine . . . . .	216-3
Ignition Coil . . . . .	Forward of RH shock tower	
Ignition Switch . . . . .	Upper part of steering column	
Motronic Control Unit . . . . .	Under RH side of dash above glove box . . . . .	218-5
Reference Point Sensor . . . . .	RH rear side of engine . . . . .	217-5
TDC Sensor . . . . .	Above crankshaft vibration dampener	
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C200 (9 pins) . . . . .	Under LH side of dash on steering column . . . . .	210-1
G103 . . . . .	On LH side of engine block above starter	

**START (325e)**

Automatic Trans. Range Switch . . . . .	At base of shift lever	
Battery (325e) . . . . .	In RH rear of trunk	
Battery Junction Box . . . . .	Engine compartment on RH bulkhead . . . . .	217-3
Cold Start Valve . . . . .	Top RH side of intake manifold . . . . .	217-4
Diagnostic Connector . . . . .	Top LH front of engine . . . . .	216-3
Ignition Switch . . . . .	Upper part of steering column	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Start Relay . . . . .	Upper left corner of driver's footwell	
Thermo-Time Switch . . . . .	Top front of coolant thermostat housing . . . . .	216-3
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C241 (1 pin) . . . . .	Behind instrument panel, above steering	
C301 (2 pins) . . . . .	At base of shift lever	
G100 . . . . .	RH rear of trunk behind battery	
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

FIGURE

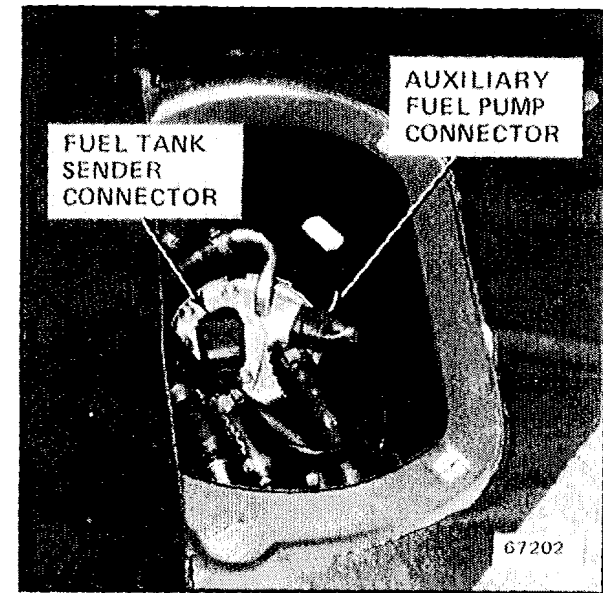


Figure 1 - Under Right Side Of Rear Seat

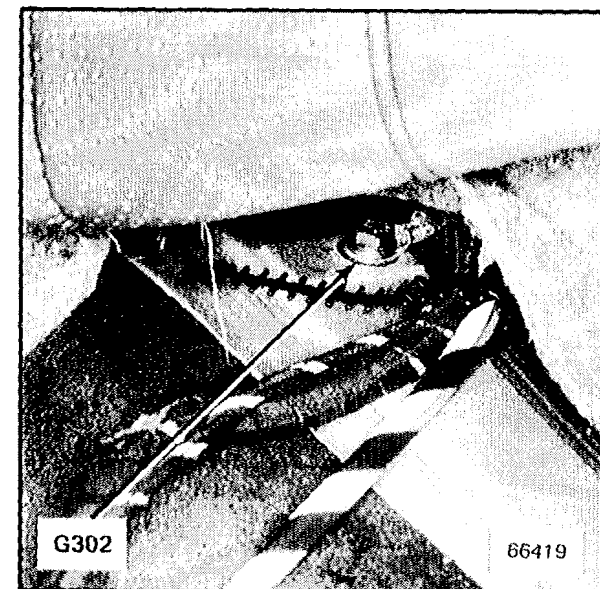


Figure 2 - Left Side Of Rear Seat Back Rest

# 210 COMPONENT LOCATIONS

## HEADLIGHTS/FOG LIGHTS

Active Check Control Unit . . . . .	Above rear view mirror	
Combination Switch . . . . .	Upper left side of steering column	
Flasher. . . . .	Upper part of steering column	
Fog Light Switch . . . . .	On dash, left of steering column	
Power Distribution Box. . . . .	At top of rear of left front wheel well . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C126 (2 pins) . . . . .	Behind left headlights . . . . .	211-1
C127 (2 pins) . . . . .	Behind right headlights . . . . .	211-2
C202 (13 pins) . . . . .	Under left side of dash, on steering column . .	210-1
G104. . . . .	On inner fender, behind left headlights . . . . .	211-1
G200. . . . .	Under left side of dash, above brake pedal . .	210-2

## HEATING AND AIR CONDITIONING

A/C In-Line Diode . . . . .	Left side of evaporator housing	
A/C In-Line Fuse . . . . .	Left side of evaporator housing	
Blower Motor . . . . .	Behind center console, in evaporator housing	
Blower Resistors . . . . .	Behind center console, in evaporator housing	
Clutch Diode. . . . .	Near washer pump	
Compressor Enable Switch . . . . .	Behind A/C face plate	
Evaporator Temperature Switch. . .	Left side of evaporator housing	
Fuel Shutoff Relay (318i Early Production). . . . .	On bracket in front of left front shock tower. .	201-2
High Pressure Cut-Out Switch . . . .	On receiver dryer , behind right headlight . . .	206-2
Idle Speed Stabilization Relay (318i Late Production) . . . . .	On bracket in front of left front shock tower. .	201-1
Fresh/Recir. Air Relay. . . . .	Behind A/C face plate	
Fresh/Recir. Air Flap Door Motors .	Behind A/C face plate . . . . .	208-2
Hot Water Cut-Off Switch . . . . .	Behind A/C face plate	
Idle Speed Control Unit. . . . .	Right side of dash, above glove box	
Ignition Control Module . . . . .	On bulkhead, above brake vacuum booster . .	215-2
Low Pressure Cut-Out Switch . . . .	Behind right headlights . . . . .	206-1
Power Distribution Box. . . . .	At top rear of left front wheel well . . . . .	202-1
Water Shut-Off Solenoid. . . . .	Left side of evaporator housing	
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C105 (1 pin) . . . . .	Behind right side of dash . . . . .	214-2
C106 (1 pin) . . . . .	Near washer pump . . . . .	206-2
C107 (2 pins) . . . . .	Near washer pump . . . . .	206-2
C204 (9 pins) . . . . .	Under left side of dash, on steering column . .	214-1
C251 (4 pins) . . . . .	Behind A/C face plate	
C255. . . . .	Left side of evaporator housing	
G200. . . . .	Under left side of dash, above brake pedal . . .	210-2

## FIGURE

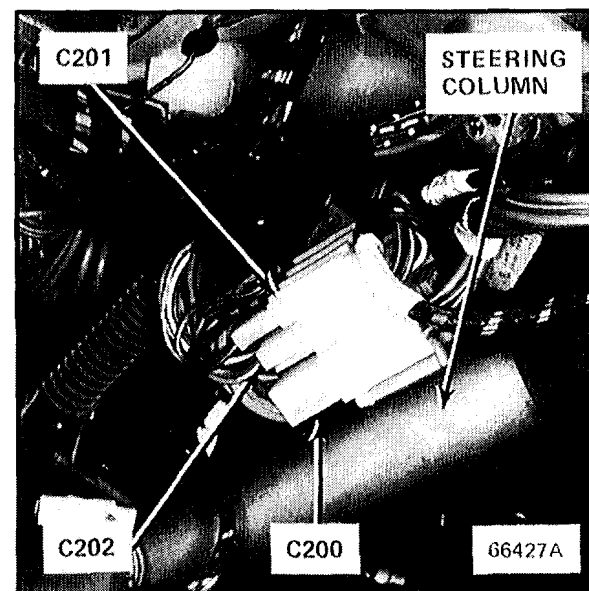


Figure 1 - Under Left Side Of Dash

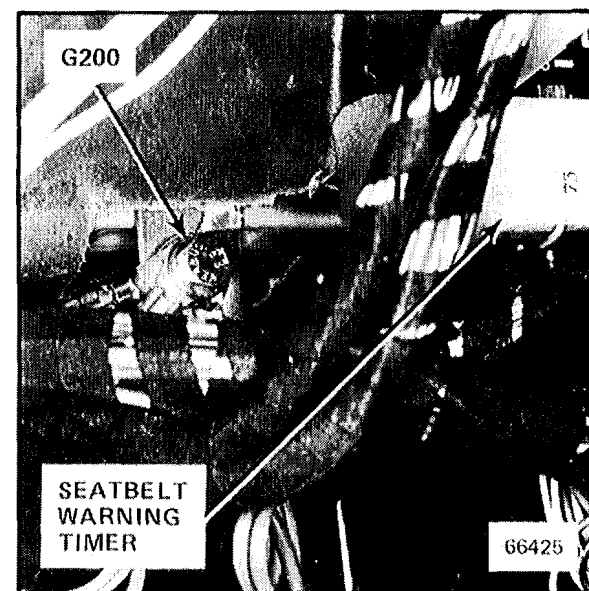


Figure 2 - Above Pedal Assembly

**IGNITION KEY WARNING/SEATBELT WARNING**

		FIGURE
Active Check Control Unit (325e)	Above rear view mirror	
Chime Module	Mounted on left under dash cover	217-6
Dash Warning Display (318i)	Top center of dash	
Power Distribution Box	At top rear of left front wheel well	202-1
Seatbelt Switch	In driver's seatbelt buckle	
Seatbelt Warning Timer	Above brake pedal	210-2
C103 (29 pins)	Upper left corner of driver's footwell	213-1
C200 (9 pins)	Under left side of dash, on steering column	210-1
G200	Under left side of dash, above brake pedal	210-2

**INTERIOR LIGHTS**

Driver Exterior Door Handle Switch	In rear of left door	213-2
Interior Light Timer Control	Below left front speaker	
Power Distribution Box	At top rear of left front wheel well	202-1
C303 (3 pins)	At base of right "B" pillar	
C304 (3 pins)	At base of left "B" pillar	
C405 (21 pins)	Above right front door jamb switch	
C503 (3 pins)	In rear of door	
C510 (1 pin)	Behind and above left front speaker	
G200	Under left side of dash above brake pedal	210-2
G300	Upper left side or rear seat	209-2

**LIGHTS: FRONT PARK/FRONT SIDE MARKER/TAIL/REAR MARKER/  
LICENSE/TRUNK**

Active Check Control Unit (325e)	Above rear view mirror	
Power Distribution Box	At top of left front wheel well	202-1
Rear Lights Check Relay (325e)	In trunk above wheel well	
C103 (29 pins)	Upper left corner of driver's footwell	213-1
G104	On inner fender, behind left headlights	211-1
G300	Under left side of rear seat	209-2

**LIGHTS: TURN/HAZARD WARNING**

Combination Switch	Upper left side of steering column	
Flasher	Upper part of steering column	
Hazard Switch	In center console, above radio	215-1
Power Distribution Box	At top rear of left front wheel well	202-1
C103 (29 pins)	Upper left corner of driver's footwell	213-1

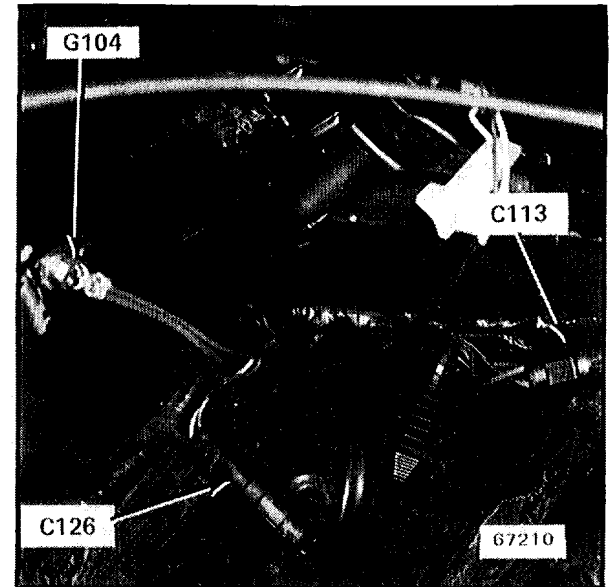


Figure 1 - Behind Left Headlights

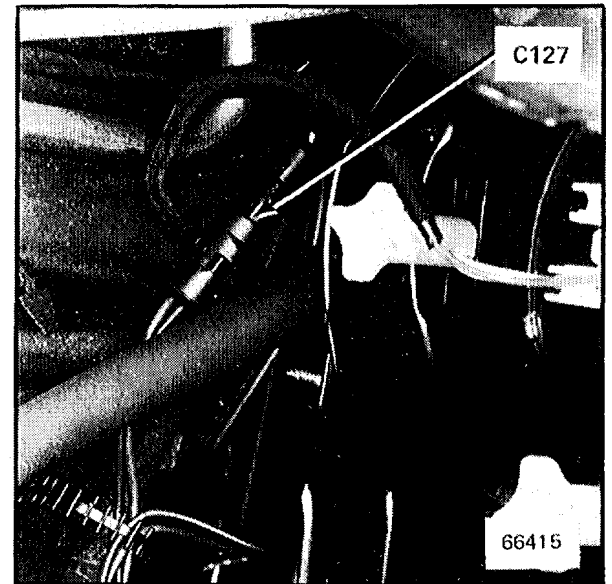


Figure 2 - Behind Right Headlights

## 212 COMPONENT LOCATIONS

(continued)

		FIGURE
C200 (9 pins)	Upper left side of dash, on steering column	210-1
C202 (13 pins)	Under left side of dash, on steering column	210-1
G104	On inner fender, behind left headlights	211-1
G200	Under left side of dash, above brake pedal	210-2
G201 (Steering Column Ground)	Upper left side of steering column	
G300	Under left side of rear seat	209-2

### ON-BOARD COMPUTER

Battery (318i)	Behind RH front shock tower	
Battery (325e)	In rear of trunk	
Battery Junction Block (325e)	Engine compartment on RH bulkhead	217-3
B/C Horn Diode	Near LH front shock tower	216-1
Board Computer Horn	Near LH front shock tower	216-1
Chime Module	Mounted on left under dash cover	217-6
Combination Switch	Upper left side of steering column	
Fuel Pump Relay (318i)	On bracket in front of left front shock tower	201-2
Fuel Tank Sender	Top of fuel tank	209-1
Ignition Switch	Upper part of steering column	
Injection Control Module	Below right side of dash	213-2
Main Relay (325e)	On bracket in front of left front shock tower	216-4
Motronic Control Unit	Under RH side of dash, above glove box	218-5
On-Board Computer Module	In center console right of radio	
On-Board Computer Relay Box	Under LH side of dash above hood release	218-4
Outside Temperature Sensor	Near LH fog light	
Power Distribution Box	At top rear of left front wheel well	202-1
C103 (29 pins)	Under LH side of dash on steering column	213-1
C200 (9 pins)	Under LH side of dash on steering column	210-1
C212 (2 pins)	Under LH side of dash near accessory connector	218-4
C224 (2 pins)	Under LH side of dash near accessory connector	
C235 (3 pins)	RH side of dash above glove box	
C302 (3 pins)	Under LH side of dash on body electrical bracket	213-1
G100 (318i)	Behind right front shock tower	
G100 (325e)	RH rear of trunk behind battery	
G102 (318i)	Top rear of engine	
G103 (325e)	On left side of engine block, above starter	
G200	Under left side of dash above brake pedal	210-2
G300	Behind LH side of rear seat	209-2

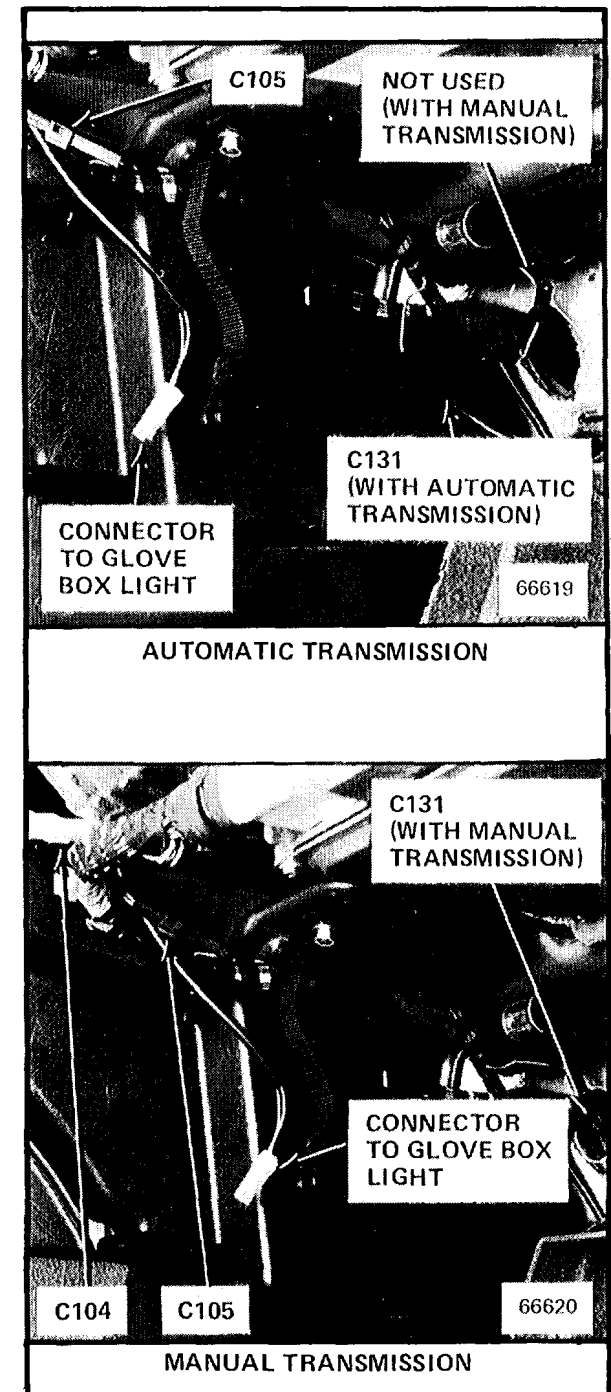


Figure 1 - Under RH Side Of Dash



**POWER DISTRIBUTION**

		FIGURE
Battery (318i) . . . . .	Behind RH front shock tower	
Battery (325e) . . . . .	In RH rear of trunk	
Battery Junction Block (325e) . . . . .	Engine compartment on RH bulkhead . . . . .	217-3
Diagnostic Connector (318i) . . . . .	Top front of engine . . . . .	202-2
Diagnostic Connector (325e) . . . . .	Top LH front of engine . . . . .	216-3
Ignition Switch . . . . .	Upper part of steering column	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C302 (25 pins) Accy Connector . . . . .	Upper left corner of driver's footwell . . . . .	213-1
G100 (318i) . . . . .	Behind right front shock tower	
G100 (325e) . . . . .	RH rear of trunk behind battery	
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

**POWER MIRRORS**

Interior Light Timer Control . . . . .	Below left front speaker	
Mirror Control Switch . . . . .	On driver's door, above arm rest	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C404 (21 pins) . . . . .	Above right front door jamb switch	
C405 (21 pins) . . . . .	Above left front door jamb switch	
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

**POWER WINDOWS**

Ignition Switch . . . . .	Upper part of steering column	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Power Window Circuit Breaker . . . . .	On center console, above radio	
Power Window Motors . . . . .	Forward part of each door	
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C302 (25 pins) Accy Connector . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C351 (1 pin) . . . . .	Behind center console	
C401 (7 pins) 4 Door Only . . . . .	In left "B" pillar	
C402 (7 pins) 4 Door Only . . . . .	In right "B" pillar	
C404 (21 pins) . . . . .	Above right front door jamb switch	
C405 (21 pins) . . . . .	Above left front door jamb switch	
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

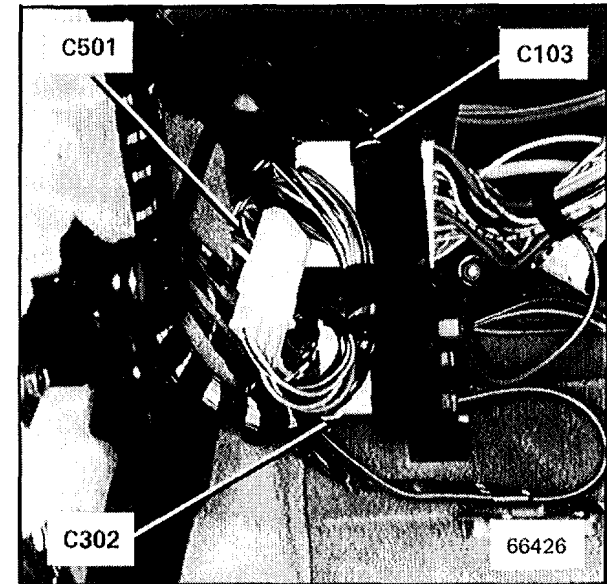


Figure 1 - Under Left Side Of Dash Ahead Of Pedal Assembly

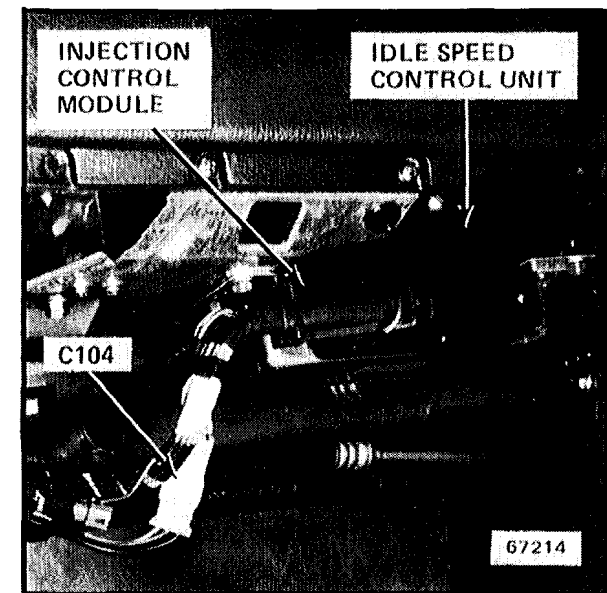


Figure 2 - Below Right Side Of Dash

**RADIO/POWER ANTENNA**

Power Antenna . . . . .	In trunk. . . . .	220-2
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C219 (1 pin) . . . . .	At top of power antenna . . . . .	220-2
C403 (6 pins) . . . . .	Behind right side of center console . . . . .	208-2
C302 (25 pins) Accy Connector . . . . .	Upper left corner of driver's footwell . . . . .	213-1
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2
G302 . . . . .	On power antenna mounting bracket . . . . .	220-2

**REAR DEFOGGER**

Dash Warning Display (318i) . . . . .	Top center of dash	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2
G300 . . . . .	Under left side of rear seat. . . . .	209-2

**SERVICE INTERVAL INDICATOR**

Coolant Temperature Switch/ Sender (318i) . . . . .	Front of engine, top of thermostat housing. . . . .	202-2
Coolant Temperature Sender (325e) . . . . .	Front of engine on thermostat housing . . . . .	217-1
Diagnostic Connector (318i) . . . . .	Top front of engine . . . . .	202-2
Diagnostic Connector (325e) . . . . .	Top LH front of engine . . . . .	216-3
Ignition Control Module (318i Early Production) . . . . .	On bulkhead, above brake vacuum booster . . . . .	215-2
Ignition Control Module (318i Late Production) . . . . .	On bulkhead above brake vacuum booster . . . . .	215-3
Injection Control Module (318i) . . . . .	Right side of dash, above glove box . . . . .	213-2
Motronic Control Unit . . . . .	Under RH side of dash, above glove box . . . . .	218-5
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C104 (3 pins) . . . . .	Right side of dash, above glove box . . . . .	213-2
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

**SPEEDOMETER/INDICATORS/GAUGES**

Coolant Temperature Switch/ Sender (318i) . . . . .	Front of engine, on thermostat housing . . . . .	202-2
Coolant Temperature Sender (325e) . . . . .	Front of engine on thermostat housing . . . . .	217-1

**FIGURE**

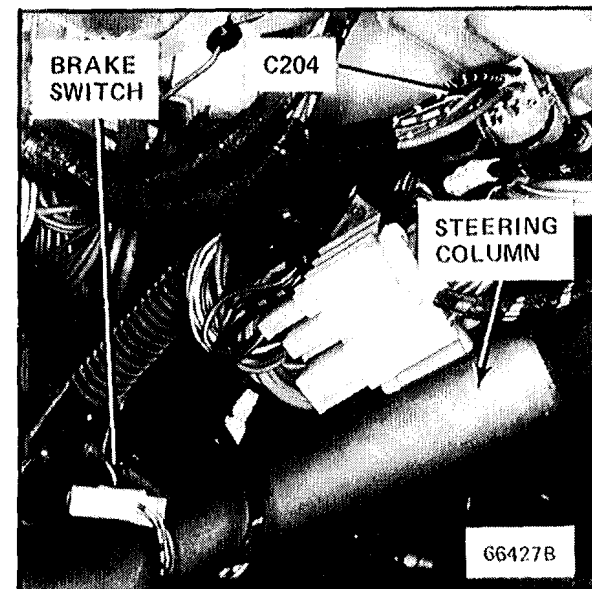


Figure 1 - Under LH Side Of Dash

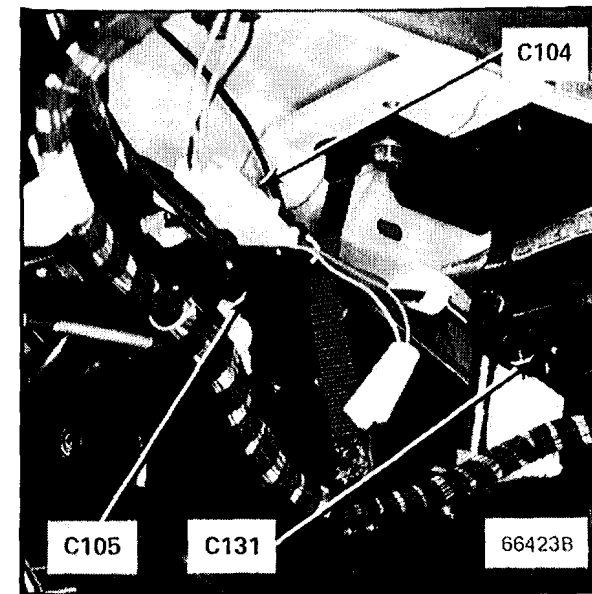


Figure 2 - Behind Right Side Of Dash

(continued)

	FIGURE	
Dash Warning Display (318i) . . . . .	Top center of dash	
Diagnostic Connector (318i) . . . . .	Top front of engine	
Diagnostic Connector (325e) . . . . .	Top LH front of engine . . . . .	216-3
Fuel Tank Sender . . . . .	Top of fuel tank . . . . .	209-1
Ignition Switch . . . . .	Upper part of steering column	
Oil Pressure Switch (318i) . . . . .	On top rear of cylinder head	
Oil Pressure Switch (325e) . . . . .	Above oil filter	
Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Speedometer Sender . . . . .	In rear of differential . . . . .	220-3
C101 (19 pins) . . . . .	On power distribution box . . . . .	202-1
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C200 (9 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2
G300 . . . . .	Under left side of rear seat . . . . .	209-2

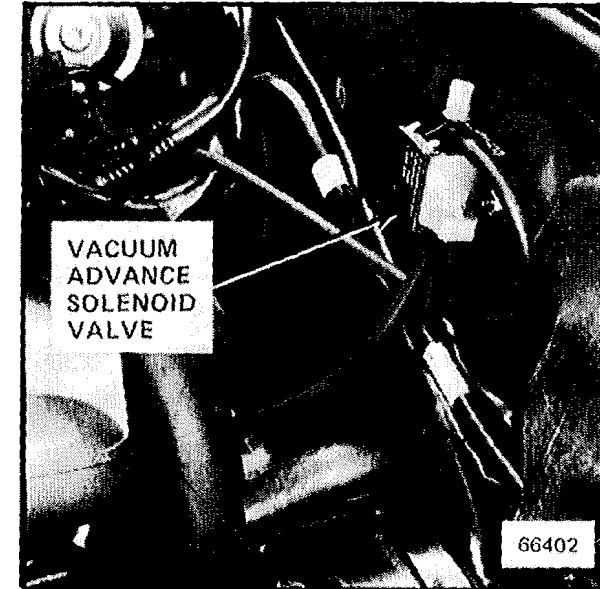


Figure 4 - Above Brake Vacuum Booster (318i Early Production)

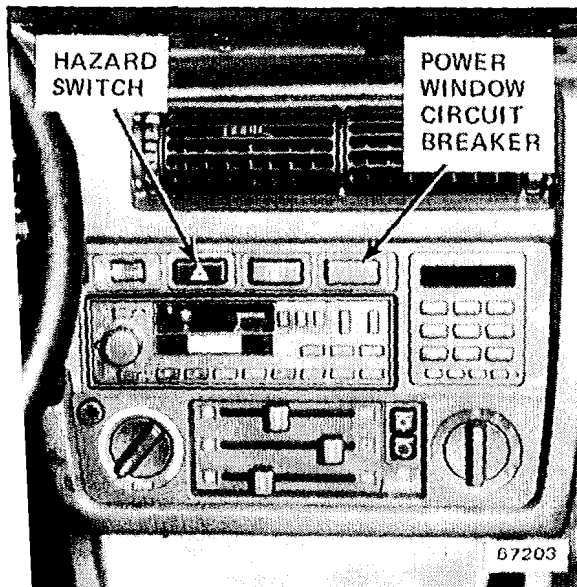


Figure 1 - Center Console

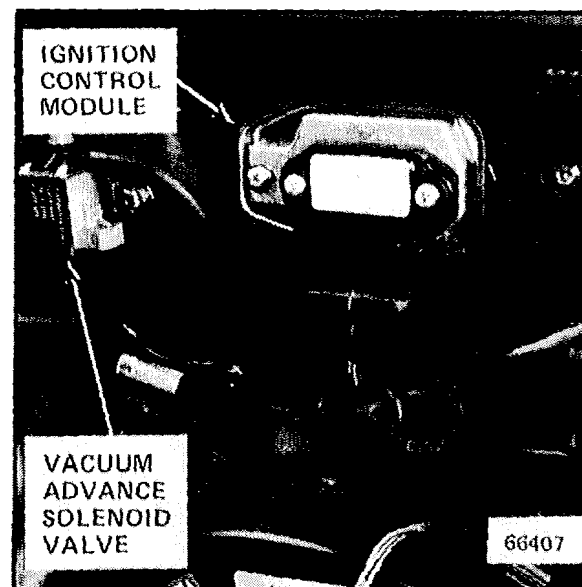


Figure 2 - Rear Of Left Door

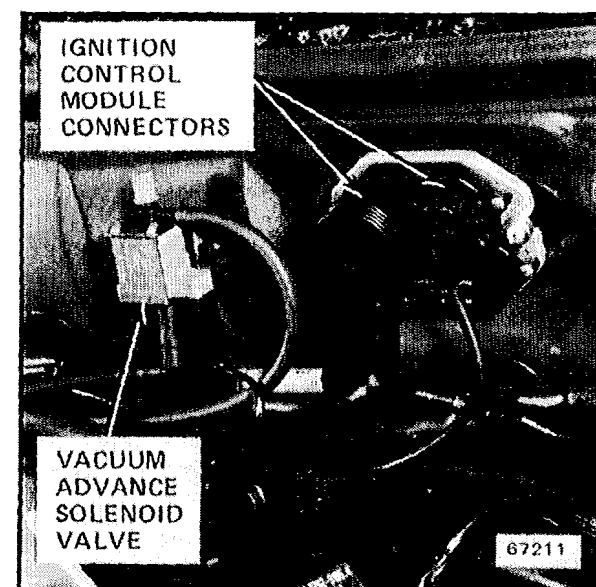


Figure 3 - LH Rear Corner Of Engine Compartment (318i Late Production)



Figure 1 - LH Rear Of Engine Compartment (325)

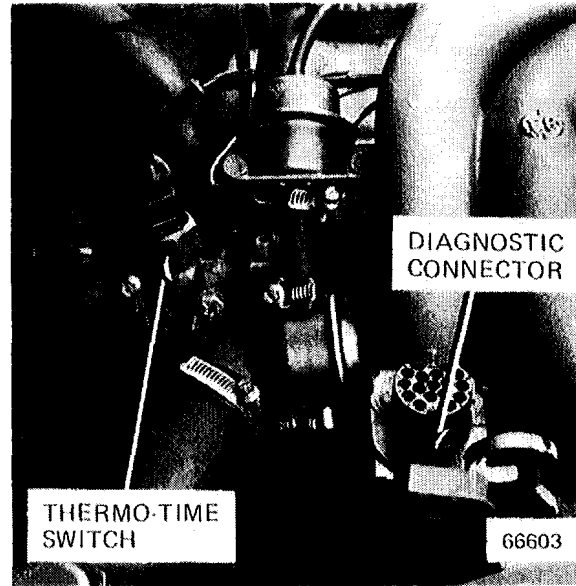


Figure 3 - Top Left Front Of Engine (325e)

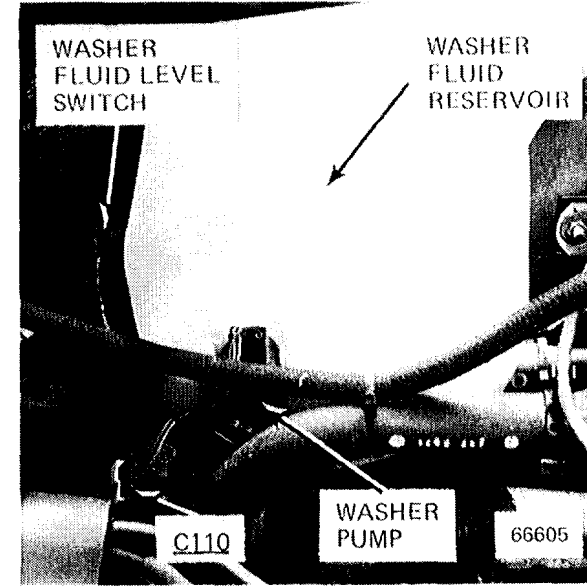


Figure 5 - Behind RH Lights (325)

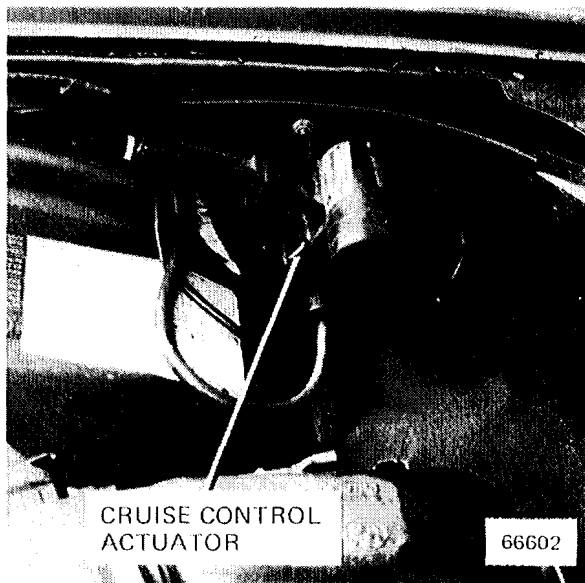


Figure 2 - Behind LH Headlights

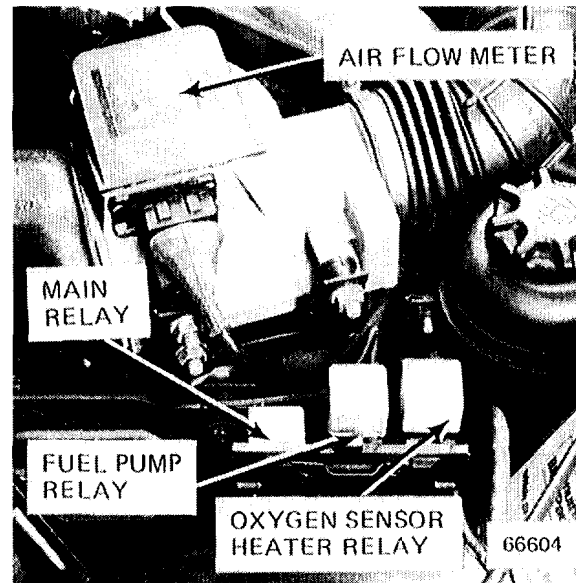


Figure 4 - Forward of LH Shock Tower (325)



Figure 6 - Top Left Rear Of Radiator (325)

NOTE THE POSITION OF THE RELAY MAY BE INTERCHANGED. CHECK RELAY WIRE COLORS FOR POSITIVE IDENTIFICATION.

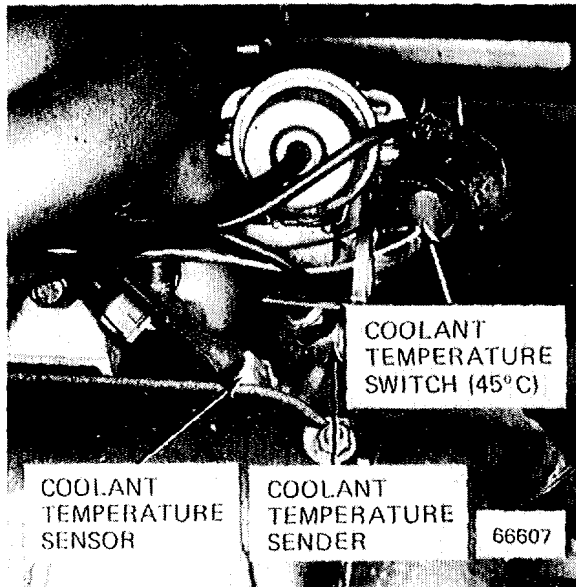


Figure 1 - Top Front Of Engine (325)

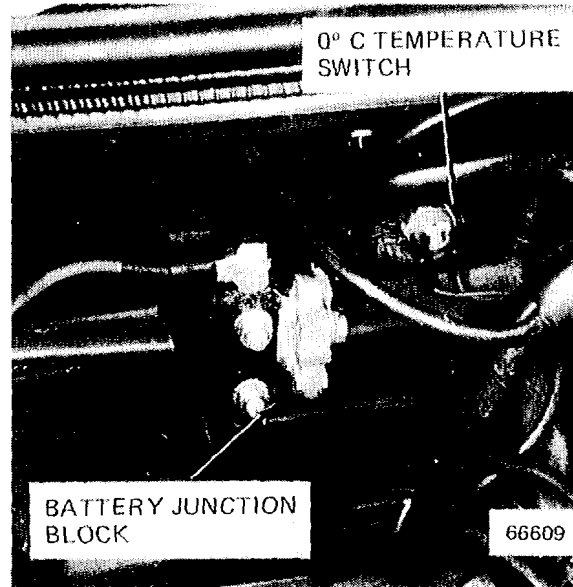


Figure 3 - RH Side Of Engine Bulkhead (325)

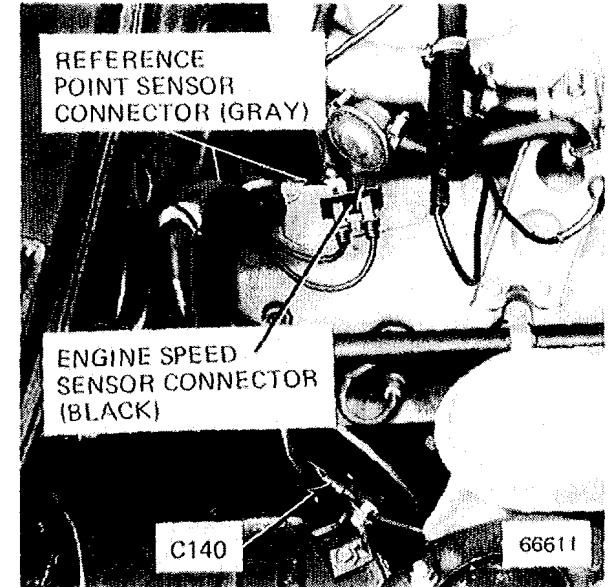


Figure 5 - RH Rear Side Of Engine (325)

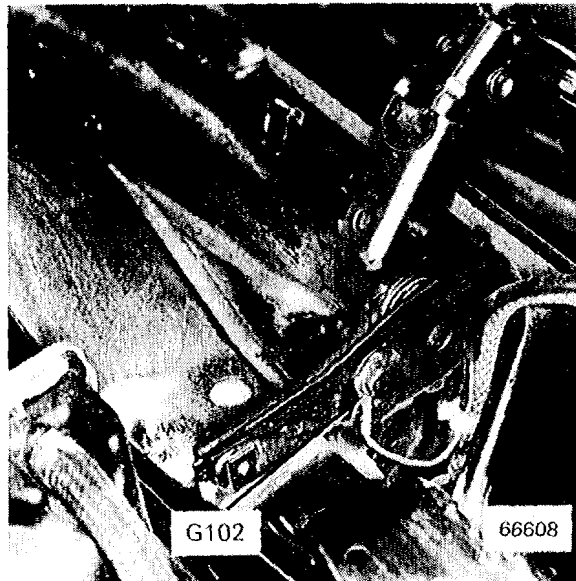


Figure 2 - At RH Hood Hinge (325)

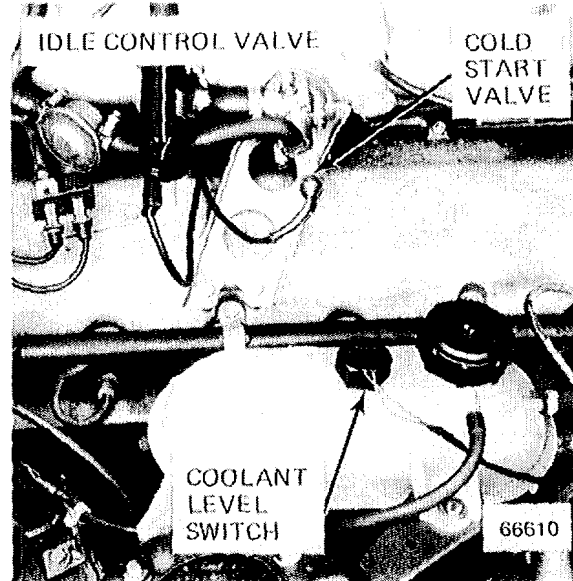


Figure 4 - RH Rear Side Of Engine (325)

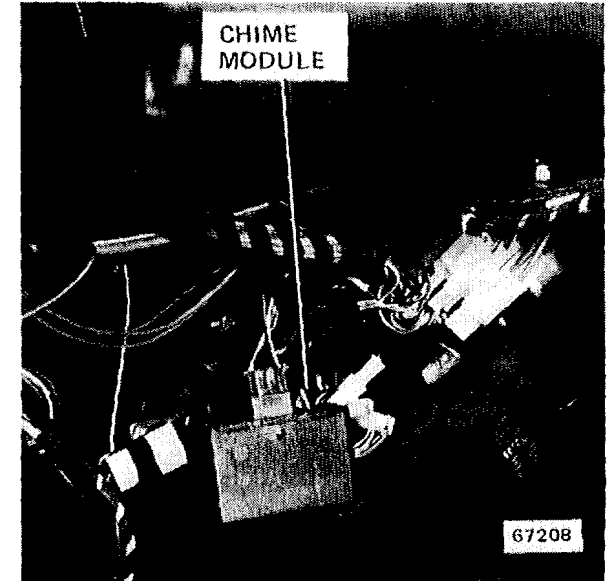


Figure 6 - LH Under Dash Cover Lowered

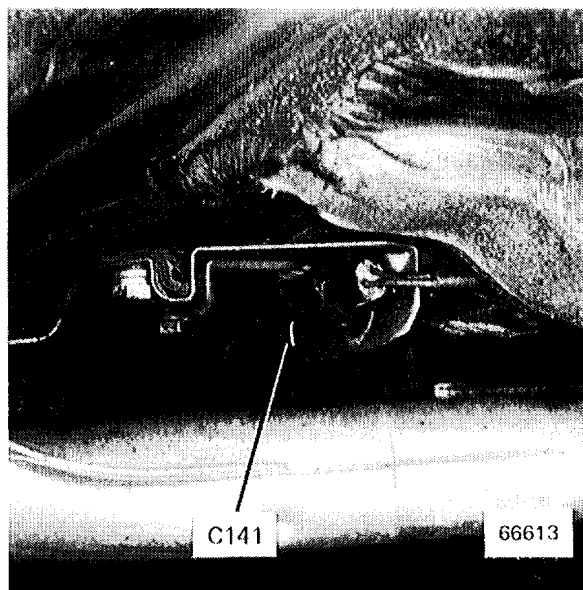


Figure 1 - Under RH Side Of Car Below Passenger Side

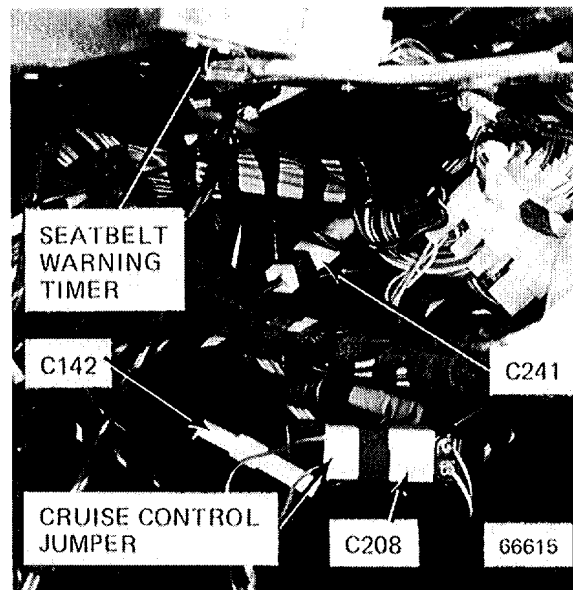


Figure 3 - Under LH Side Of Dash

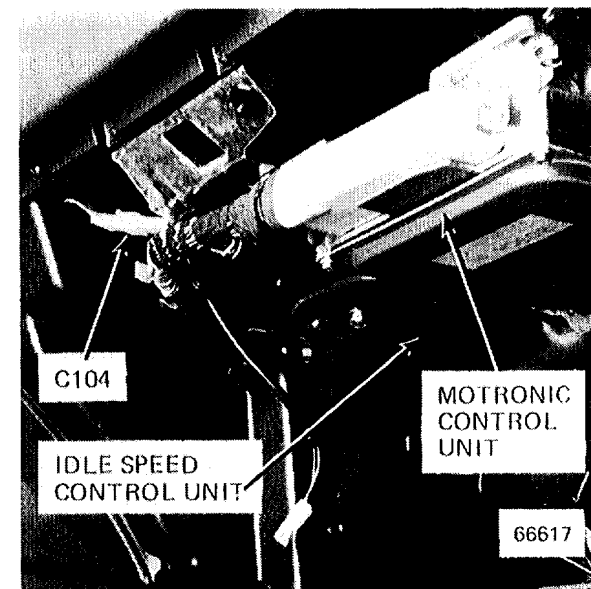


Figure 5 - Under RH Side Of Dash Above Glovebox (325)

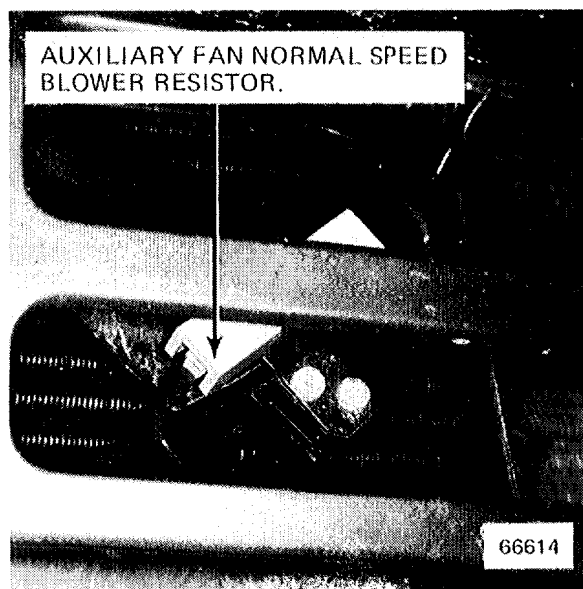


Figure 2 - Front Of A/C Condensor

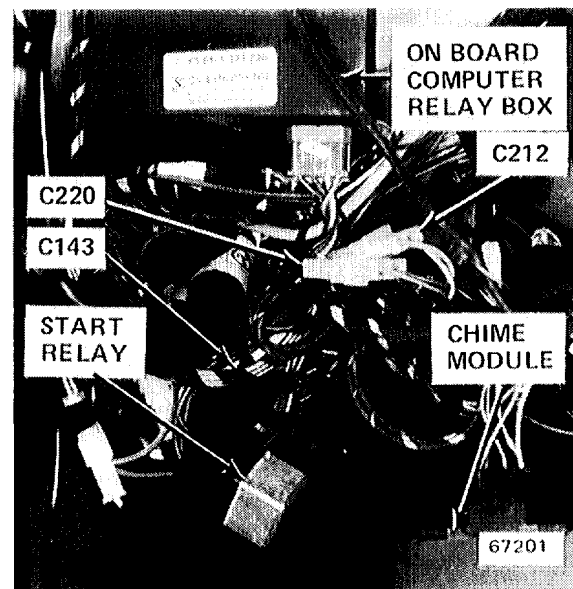


Figure 4 - Under LH Side Of Dash Near Hood Release Lever

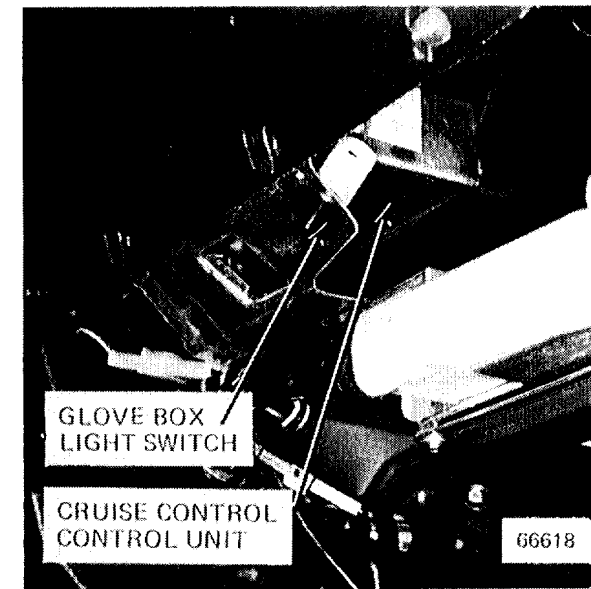


Figure 6 - Under RH Side Of Dash Above Glovebox (325)

**SUNROOF**

**FIGURE**

Sunroof Motor . . . . .	Behind header above rear view mirror	
Motor Relay . . . . .	Behind header above rear view mirror	
Sunroof Switch . . . . .	Above rear view mirror	
Power Distribution Box . . . . .	At top rear of left front wheel well	
C302 (25 pins) Accy Connector . . . . .	Upper LH corner of driver's footwell . . . . .	213-1
C600 . . . . .	Near sunroof switch	

**TACHOMETER/FUEL ECONOMY GAUGE**

Idle Speed Stabilization (318i Late Production) . . . . .	On bracket in front of left front shock tower. . . . .	201-1
Ignition Coil . . . . .	Forward of RH shock tower	
Ignition Control Module (318i Early Production) . . . . .	On bulkhead, above brake vacuum booster . . . . .	215-2
Ignition Control Module (318i Late Production) . . . . .	On bulkhead, above brake vacuum booster . . . . .	215-3
Injection Control Module (318i) . . . . .	Right side of dash, above glove box . . . . .	213-2
Motronic Control Unit (325e) . . . . .	Under RH side of dash, above glove box . . . . .	218-5
Power Distribution Box . . . . .	At top rear of left front wheel well	
C103 (29 pins) . . . . .	Upper left corner of driver's footwell . . . . .	213-1
C104 (3 pins) . . . . .	Right side of dash, above glove box . . . . .	213-2
C235 (3 pins) . . . . .	RH side of dash above glove box	
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2

**WIPER/WASHER**

Power Distribution Box . . . . .	At top rear of left front wheel well . . . . .	202-1
Washer Jet Heaters (325e) . . . . .	On rear of hood	
Washer Pump . . . . .	Ahead of right front wheel well, on reservoir . . . . .	206-2
Wiper Motor . . . . .	Under left side of fresh air intake cowl	
Wiper/Washer Switch . . . . .	Upper right side of steering column	
C201 (6 pins) . . . . .	Under left side of dash, on steering column . . . . .	210-1
C108 . . . . .	In power distribution box	
C109 . . . . .	Near wiper motor	
C110 (2 pins) (325e) . . . . .	Near washer reservoir . . . . .	216-5
G102 (325e) . . . . .	At RH hood hinge . . . . .	217-2
G200 . . . . .	Under left side of dash, above brake pedal . . . . .	210-2
G201 (Steering Column Ground) . . . . .	Upper left side of steering column	

## 220 COMPONENT LOCATIONS

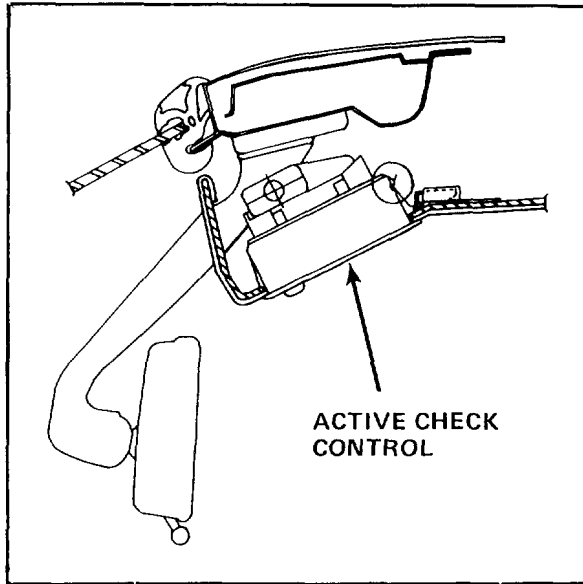


Figure 1 - Above Rear View Mirror

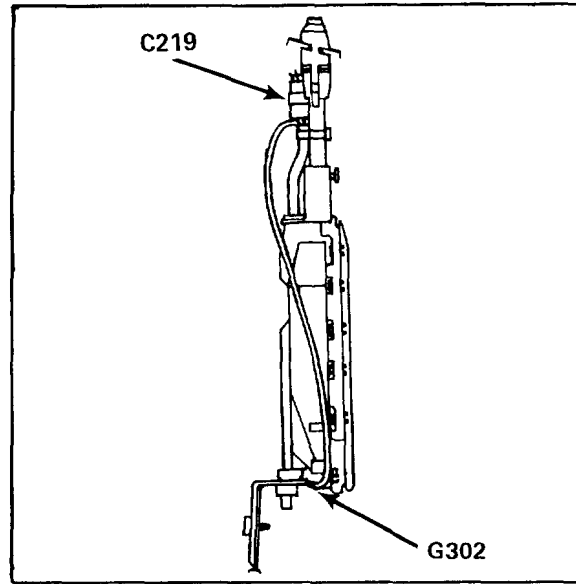


Figure 2 - In Trunk

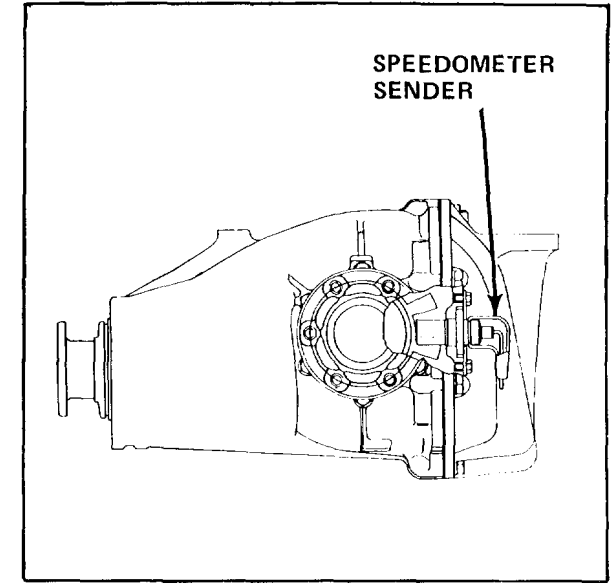
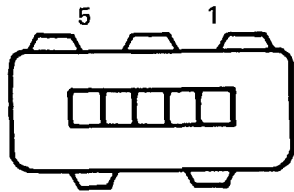
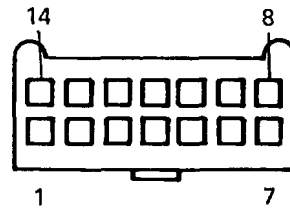


Figure 3 - Rear Of Differential

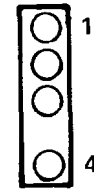




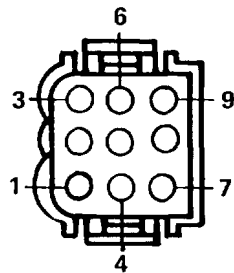
Mating Face  
AIR FLOW METER



Wiring Face  
CENTRAL LOCKING CONTROL UNIT



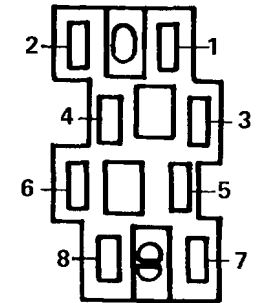
Wiring Face  
DIGITAL CLOCK



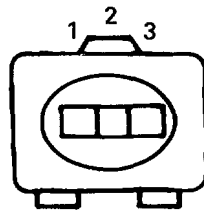
Wiring Face  
AUTOMATIC TRANSMISSION RANGE SWITCH



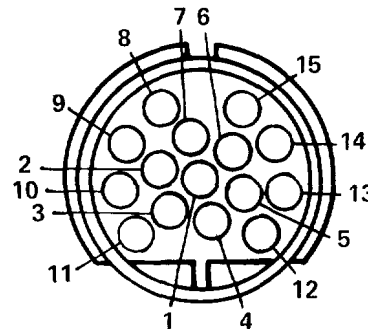
Wiring Face  
CHIME MODULE (C1)



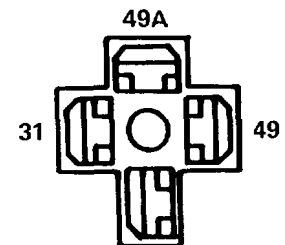
Mating Face  
FADER CONTROL



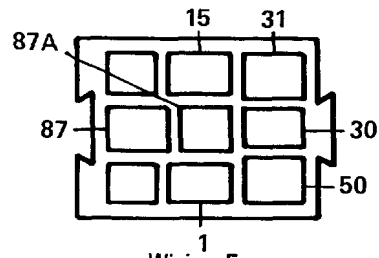
Wiring Face  
BAROMETRIC PRESSURE SENSOR



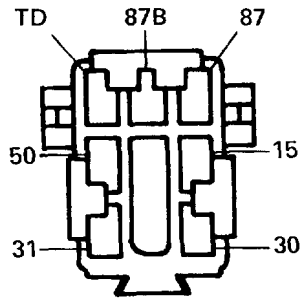
Mating Face  
DIAGNOSTIC CONNECTOR



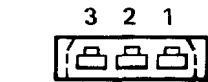
Wiring Face  
FLASHER



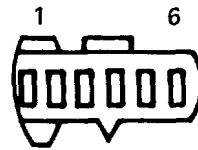
Wiring Face  
FUEL PUMP RELAY  
 (318 EARLY PRODUCTION)



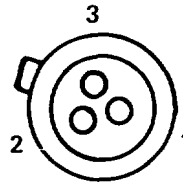
Wiring Face  
FUEL PUMP RELAY  
 (318 LATE PRODUCTION)



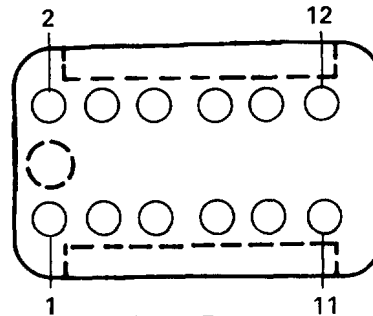
Wiring Face  
FUEL TANK SENDER



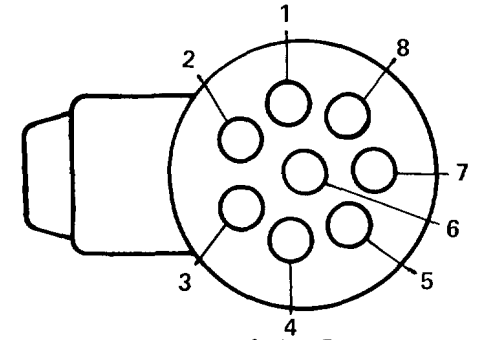
Wiring Face  
GAS FILLER LOCK MOTOR



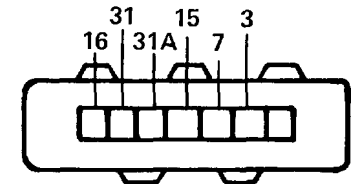
Wiring Face  
HEATED OXYGEN GENERATOR SENSOR



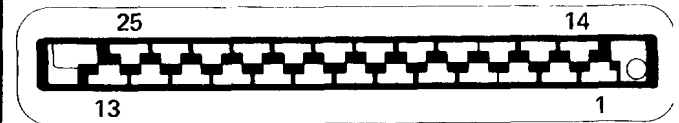
Mating Face  
IDLE SPEED STABILIZATION RELAY  
 (318 LATE PRODUCTION)



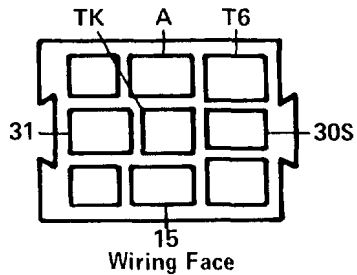
Mating Face  
IGNITION CONTROL MODULE  
 (318 LATE PRODUCTION)



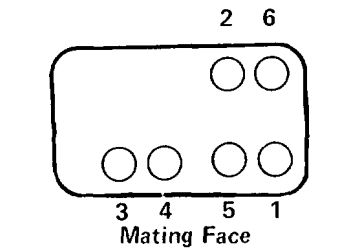
Mating Face  
IGNITION CONTROL MODULE  
 (318 EARLY PRODUCTION)



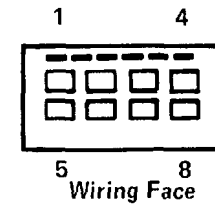
Mating Face  
INJECTION CONTROL MODULE



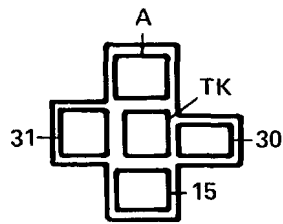
Wiring Face  
INTERIOR LIGHT TIMER CONTROL



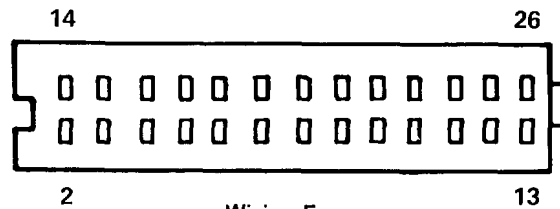
Mating Face  
MIRROR CONTROL SWITCH



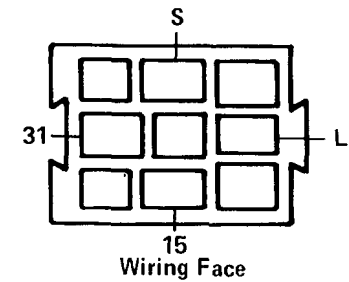
Wiring Face  
REAR LIGHTS CHECK RELAY



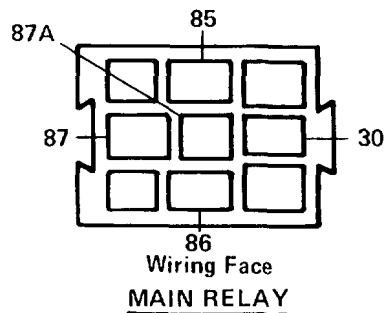
Wiring Face  
INTERIOR LIGHT TIMER CONTROL



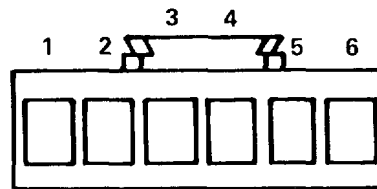
Wiring Face  
ON-BOARD COMPUTER MODULE



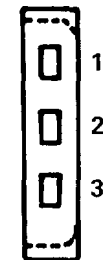
Wiring Face  
SEAT BELT WARNING TIMER



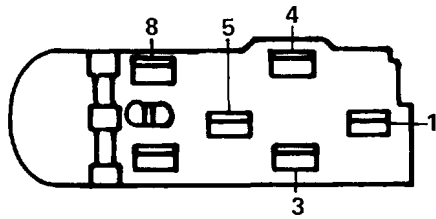
Wiring Face  
MAIN RELAY



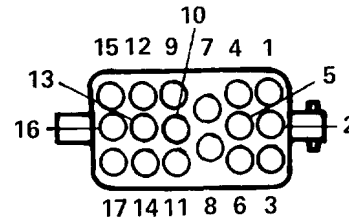
Wiring Face  
REAR LIGHT ASSEMBLY



Wiring Face  
SUNROOF MOTOR (CI)



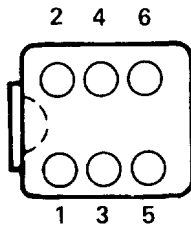
Wiring Face  
SUNROOF SWITCH



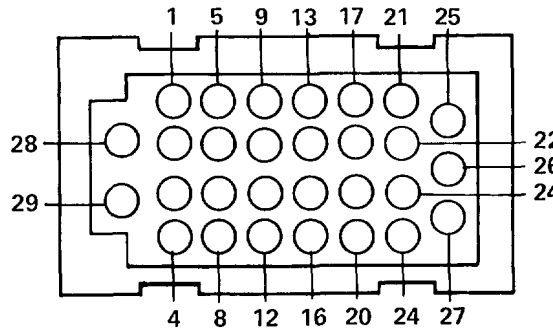
Wiring Face  
C101



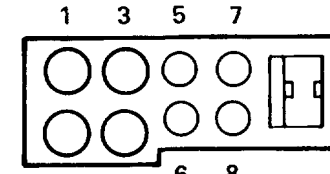
Wiring Face  
C114



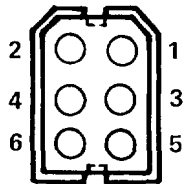
Mating Face  
VACUUM ADVANCE CONTROL  
(318 EARLY PRODUCTION)



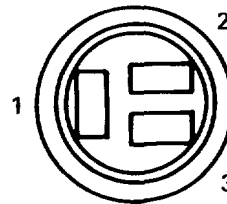
Wiring Face  
C103



Wiring Face  
C200



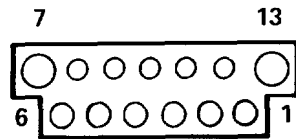
Wiring Face  
WIPER MOTOR



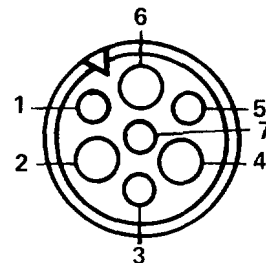
Wiring Face  
C113



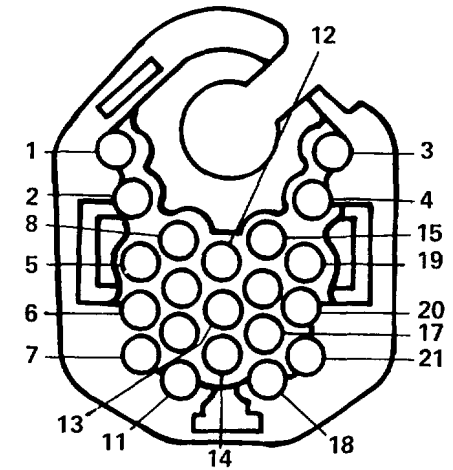
Wiring Face  
C201



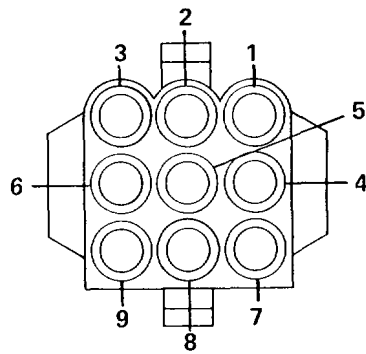
Wiring Face  
C202



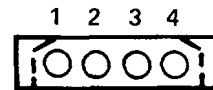
Wiring Face  
C209



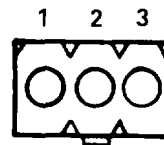
Wiring Face  
C104



Wiring Face  
C204



Wiring Face  
C210



Wiring Face  
C303