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Electrical & Vacuum Trouble- Shooting Manual



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ELECTRICAL AND VACUUM TROUBLESHOOTING MANUAL FPS-12121-92

FORD PARTS and SERVICE DIVISION

Quality is Job 1

Ford Parts and Service Division has developed a new format for the EVTm for the 1992 Mustang. Our goal is to provide accurate and timely electrical and vacuum service information.

1992 EVTm FEATURES

- **"HOW THE CIRCUIT WORKS"** descriptions that explain how each circuit works. These descriptions are designed to be used in conjunction with the Electrical Schematic.
- **Schematic pages** now contain **COMPONENT LOCATION** references to full-view illustrations.
- **"COMPONENT TESTING"** procedures (CELL 149) that tell the user how to perform diagnostic tests on various circuits.
- **Connector End Views** ("**COMPONENT CONNECTOR FACES**" CELL 150) are shown for connectors with five or more cavities; and for connectors with ten or more cavities, a circuit function chart is provided.
- **NOTES, CAUTIONS and WARNINGS** that contain important safety information.
- Full view **"COMPONENT LOCATION VIEWS"** (CELL 151) to help locate on-vehicle components.
- **Component Base Part Numbers** and **Harness Base Part Numbers** to aid in ordering parts.
- **Cellular Pagination:** A specific section (or cell) in all EVTms is numbered by cell and starts with page 1. For example: **"HOW TO USE THIS MANUAL"** is CELL 2 and begins with page 2-1.
- **"C"** numbers have been assigned for all electrical connectors. **"C"** numbers are listed with the system cell, and all are listed in numerical order in the **"LOCATION INDEX"** (CELL 152).
- **"We Want To Hear From You"** – A feedback sheet is provided on the last page.

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Information about how to order additional copies of this publication or other Ford publications may be obtained by writing to Helm Incorporated at the address shown below or by calling 1-800-782-4356. Other publications available include:

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IMPORTANT SAFETY NOTICE

Appropriate service methods and proper repair procedures are essential for the safe, reliable operation of all motor vehicles, as well as the personal safety of the individual doing the work. This Manual provides general directions for accomplishing service and repair work with tested, effective techniques. Following them will help assure reliability.

There are numerous variations in procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the individual doing the work. This Manual cannot possibly anticipate all such variations and provide advice or cautions as to each. Accordingly, anyone who departs from the instructions provided in this Manual must first establish that he compromises neither his personal safety nor the vehicle integrity by his choice of methods, tools or parts.

2-1 HOW TO USE THIS MANUAL

The purpose of this manual is to show electrical and vacuum circuits in a clear and simple fashion to make troubleshooting easier. **NOTES**, **CAUTIONS** and **WARNINGS** containing important information appear in boxes on text pages.

- **NOTES** describe how switches and other components operate to help complete a particular procedure.
- **CAUTIONS** provide information that could prevent making an error that may damage the vehicle.
- **WARNINGS** provide information to prevent personal injury.

The **WARNINGS** list on page 2-2 contains general warnings to follow when servicing a vehicle.

Components that work together are shown together. All electrical components used in a specific system are shown on one diagram. The circuit breaker or fuse is shown at the top of the page. All wires, connectors, components and splices are shown in the flow of current to ground at the bottom of the page. If a component is used in several different systems, it is shown in several places. For example, the Main Light Switch is electrically a part of many systems and is repeated on many pages.

In some cases, a component may seem (by its name) to belong to a system where it has no electrical connection. For example, Radio Illumination is electrically part of Instrument Illumination, but because it has electrical connection to the Radio system, it is not shown on the Radio diagram.

Schematic pages now contain references to full-view illustrations. These references

are reverse-text blocks located next to each component and connector and refer the user to the appropriate illustration page and zone.

“**GROUNDINGS**” (Cell 10) contains ground circuitry shown in complete detail. This information is useful for checking interconnections of the ground circuits of different systems.

“**POWER DISTRIBUTION**” (Cell 13) contains power distribution circuitry shown in complete detail. This section displays how the various fuses are powered and, in turn, how each system is powered.

“**COMPONENT LOCATION VIEWS**” (Cell 151) contains full-view illustrations which show the location of all components and connectors in the vehicle.

“**TROUBLESHOOTING/DESCRIPTIONS**” (Cell 7) contains descriptions of **HOW THE CIRCUIT WORKS** and **TROUBLESHOOTING HINTS** for each system as well as references to the appropriate diagnostic section of the Shop Manual. The beginning of each section has a reverse-text block identifying the page on which the corresponding schematic appears. The first page of each system schematic has a reference box identifying the corresponding page in Cell 7.

“**COMPONENT TESTING**” (Cell 149) contains testing procedures for various switches. This information includes schematics, component terminal locations and step-by-step procedures.

“**CONNECTOR FACES**” (Cell 150) contains illustrations of all component connectors that have 5 or more terminals. Component connectors with more than 10 terminals are accompanied by a pinout chart that lists the

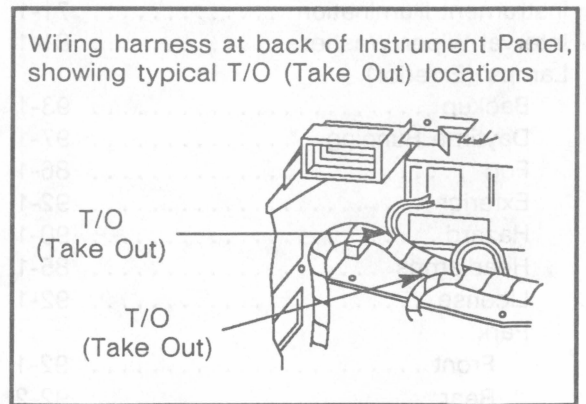
function of all circuitry associated with that component.

The “**LOCATION INDEX**” (Cell 152) provides the base part numbers, locations, connector face reference and illustration references for all components, connectors, splices and grounds.

HELPFUL REMINDERS

Before using the EVTM for troubleshooting, refer to the **HELPFUL REMINDERS** described on this page.

1. The abbreviation T/O, for take out, used in the Component Location Chart, refers to the point at which a harness branches to feed a component. Refer to the wiring harness illustration.



2. If a connector serves the same purpose in two separate versions (e.g., EFI/Carb), but is physically different, two connector numbers are used. However, if a connector serves the same purpose in two separate versions (e.g., EFI/Carb) and is physically the same, but the wire colors

HELPFUL REMINDERS (CONTINUED)

are different, only *one* connector number is used. If the same physical connector is used more than once, then more than *one* connector number is used.

3. Wiring diagrams provide a schematic picture of how and under what conditions the circuit is powered, of the current path to circuit components, and of how a circuit is grounded. Each circuit component is named (underlined titles). Wire and connector colors are listed (standard Ford color abbreviations are used):

COLOR ABBREVIATIONS

| | | | |
|----|-------------|----|---------|
| BL | Blue | N | Natural |
| BK | Black | O | Orange |
| BR | Brown | PK | Pink |
| DB | Dark Blue | P | Purple |
| DG | Dark Green | R | Red |
| GR | Green | T | Tan |
| GY | Gray | W | White |
| LB | Light Blue | Y | Yellow |
| LG | Light Green | | |

Note: Whenever a wire is labeled with two colors, the first color listed is the basic color of the wire, and the second color listed is the stripe marking of the wire.

4. When reporting Vehicle Repair Location Codes to Ford Parts and Service Division, refer to Cell 160 (beginning on page 160-1). Note: Do *not* use the illustrations in Cell 151 (beginning on page 151-1) for reporting Vehicle Repair Location Codes.

5. WARNINGS

- *Always wear safety glasses for eye protection.*
- *Use safety stands whenever a procedure requires being under a vehicle.*
- *Be sure that the Ignition Switch is always in the OFF position, unless otherwise required by the procedure.*
- *Set the park brake when working on any vehicle. An automatic transmission should be in PARK. A manual transmission should be in NEUTRAL.*
- *Operate the engine only in a well-ventilated area to avoid danger of carbon monoxide.*
- *Keep away from moving parts, especially the fan and belts, when the engine is running.*
- *To prevent serious burns, avoid contact with hot metal parts such as the radiator, exhaust manifold, tail pipe, catalytic converter and muffler.*
- *Do not allow flame or sparks near the battery. Gases are always present in and around the battery cell. An explosion could occur.*
- *Do not smoke.*
- *To avoid injury, always remove rings, watches, loose hanging jewelry and loose clothing.*

HOW TO FIND ELECTRICAL CONCERNS

TROUBLESHOOTING STEPS

These six steps present an orderly method of troubleshooting.

Step 1. Verify the concern.

- Operate the complete system to check the accuracy and completeness of the customer's complaint.

Step 2. Narrow the concern.

- Using the EVTMM, narrow down the possible causes and locations of the concern to pinpoint the exact cause.
- Read the description of *How the Circuit Works* and study the wiring diagram. You should then know enough about the circuit operation to determine where to check for the trouble. Further information can be found in the Shop Manual pages listed after *How the Circuit Works*.

Step 3. Test the cause.

- Use electrical test procedures to find the specific cause of the symptoms.
- *Troubleshooting Hints* will give you helpful ideas.
- The *Component Location Charts* and the pictures will help you find components. Following each chart, there is a reference to the Location Index at the end of the manual. This index gives component location information for connectors, diodes, resistors, splices and grounds.

Step 4. Verify the cause.

- Confirm that you have found the correct cause by connecting jumper wires and/or temporarily installing a known good component and operating the circuit.

2-3 HOW TO USE THIS MANUAL

HOW TO FIND ELECTRICAL CONCERNS

Step 5. Make the repair.

- Repair or replace the inoperative component.

Step 6. Verify the repair.

- Operate the system as in Step 1 and check that your repair has removed all symptoms without creating any new symptoms.

Some engine circuits may need special test equipment and special procedures. See the *Shop Manual* and other service books for details. You will find these circuits in this manual to be helpful with these special tests.

TROUBLESHOOTING TOOLS

JUMPER WIRE

This is a test lead used to connect two points of a circuit. A Jumper Wire can complete a circuit, bypassing an open.

WARNING

Never use a jumper wire across loads (motors, etc.) connected between hot and ground. This direct battery short may cause injury or fire.

VOLTMETER

A DC Voltmeter measures circuit voltage. Connect negative (- or black) lead to ground, and positive (+ or red) lead to voltage measuring point.

OHMMETER

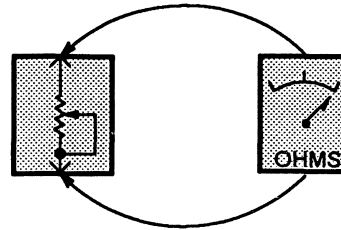


Figure 1—Resistance Check

An Ohmmeter shows the resistance between two connected points (Figure 1).

TEST LAMP

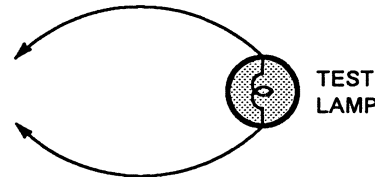


Figure 2—Test Lamp

A Test Light is a 12-volt bulb with two test leads (Figure 2).

Uses: Voltage Check, Short Check.

SELF-POWERED TEST LAMP

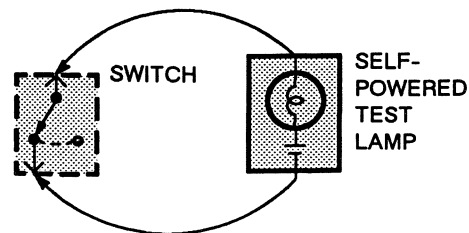


Figure 3—Continuity Check

The Self-Powered Test Lamp is a bulb, battery and set of test leads wired in series (Figure 3). When connected to two points of a continuous circuit, the bulb glows.

Uses: Continuity Check, Ground Check.

CAUTION

When using a self-powered test lamp or ohmmeter, be sure power is off in circuit during testing. Hot circuits can cause equipment damage and false readings.

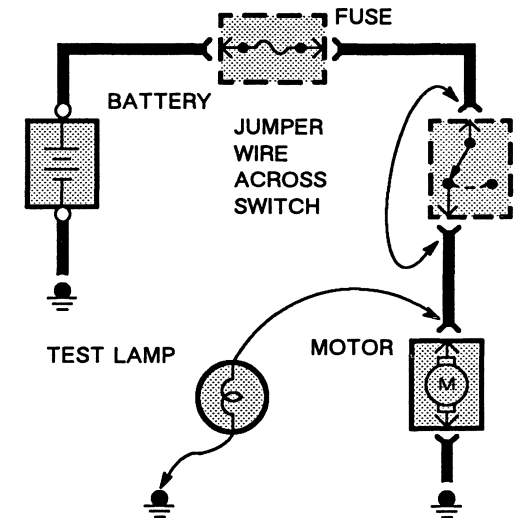


Figure 4—Switch Circuit Check and Voltage Check

In an inoperative circuit with a switch in series with the load, jumper the terminals of the switch to power the load. If jumpering the terminals powers the circuit, the switch is inoperative (Figure 4).

HOW TO FIND ELECTRICAL CONCERNS (CONTINUED)

CONTINUITY CHECK (Locating open circuits)

Connect one lead of Self-Powered Test Lamp or Ohmmeter to each end of circuit (Figure 3). Lamp will glow if circuit is closed. Switches and fuses can be checked in the same way.

VOLTAGE CHECK

Connect one lead of test lamp to a known good ground or the negative (-) battery terminal. Test for voltage by touching the other lead to the test point. Bulb goes on when the test point has voltage (Figure 4).

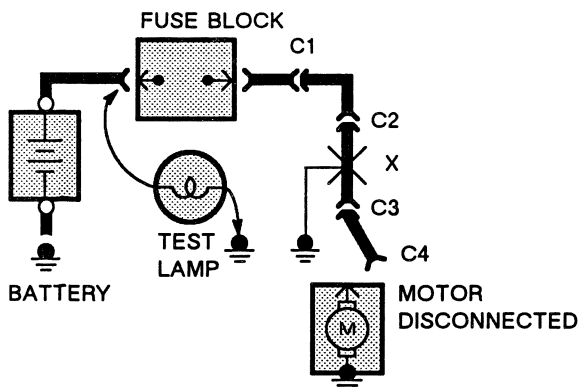


Figure 5—Short Check

A fuse that repeatedly blows is usually caused by a short to ground. It's important to be able to locate such a short quickly (Figure 5).

1. Turn off everything powered through the fuse.
2. Disconnect other loads powered through the fuse:

- Motors: disconnect motor connector (Connector C4 in Figure 5).
 - Lights: remove bulbs.
3. Turn Ignition Switch to RUN (if necessary) to power fuse.
 4. Connect one Test Lamp lead to hot end of blown fuse. Connect other lead to ground. Bulb should glow, showing power to fuse. *(This step is just a check to be sure you have power to the circuit.)*
 5. Disconnect the test lamp lead that is connected to ground, and reconnect it to the load side of the fuse at the connector of the disconnected component. (In Figure 5, connect the test lamp lead to connector C4.)
 - If the Test Lamp is off, the short is in the disconnected component.
 - If the Test Lamp goes on, the short is in the wiring. You must find the short by disconnecting the circuit connectors, one at a time, until the Test Lamp goes out. For example, in Figure 5 with a ground at X, the bulb goes out when C1 or C2 is disconnected, but after disconnecting C3. This means the short is between C2 and C3.

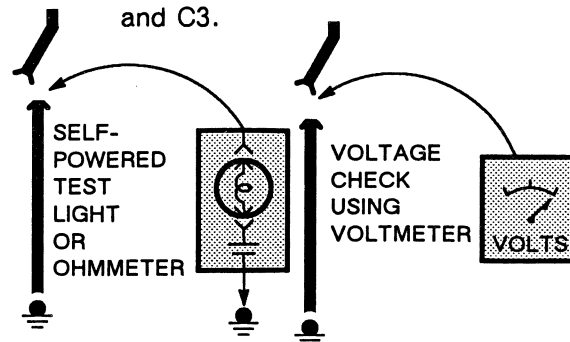


Figure 6—Ground Check

Turn on power to the circuit. Perform a Voltage Check between the suspected inoperative ground and the frame. Any indicated voltage means that the ground is inoperative (Figure 6).

Turn power to the circuit. Connect one lead of a Self-Powered Test Lamp or Ohmmeter to the wire in question and the other lead to a known ground. If the bulb glows, the circuit ground is OK (Figure 6).

TROUBLESHOOTING HINTS

The circuit schematics in this manual make it easy to identify common points in circuits. This knowledge can help narrow the concern to a specific area. For example, if several circuits fail at the same time, check for a common power or ground connection (see *Power Distribution* or *Grounds*). If part of a circuit fails, check the connections between the part that works and the part that doesn't work.

For example, if lo beam headlamps work, but high beams and the indicator lamp don't work, then power and ground paths must be good. Since the dimmer switch is the component that switches this power to the high beam lights and indicator, it is most likely the cause of failure.

Troubleshooting Hints unique to a particular circuit are given in a three column format. Included in the charts are conditions that may develop, possible causes, and one or more tests that can be done quickly to determine the cause of the condition.

2-5 HOW TO USE THIS MANUAL

HOW TO FIND THE VACUUM CONCERNS

These six steps present an orderly method of troubleshooting.

Step 1. Verify the concern.

- Operate the system and observe all symptoms to check the accuracy and completeness of the customer's complaint.

Step 2. Narrow the concern.

- Using the EVT, narrow down the possible causes and locations of the concern to pinpoint the exact cause.

Step 3. Test the cause.

- Use test procedures to find the specific cause of the symptoms.

Step 4. Verify the cause.

- Confirm that you have found the right cause by operating the parts of the circuit you think are good.

Step 5. Make the repair.

- Repair or replace the inoperative component.

Step 6. Verify the repair.

- Operate the system as in Step 1. Check that your repair has removed all symptoms without creating any new symptoms.

NOTE: Vacuum system problems fall into three groups.

1. Leaks in hoses, connectors or motor diaphragms.
2. Pinched lines or clogged valves.
3. Inoperative parts driven by vacuum motors.

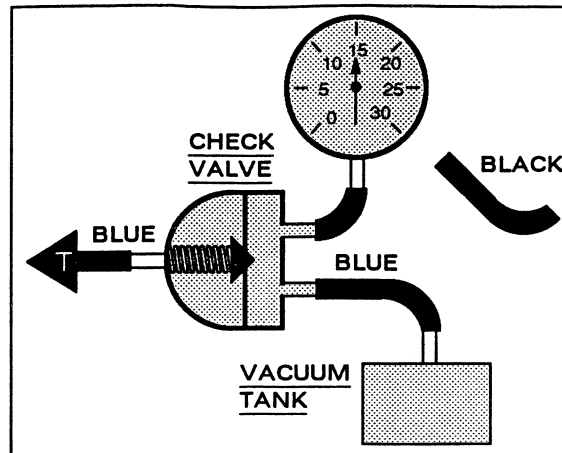


Figure 1 - System Supply Test

Vacuum Supply Test

1. Connect Vacuum Tester to system side of Check Valve (Figure 1).
2. Start engine. Gauge should show approximately 15 inches of vacuum.
3. Turn off engine, and observe gauge:
 - If vacuum holds, supply OK.
 - If vacuum fails, replace Check Valve or Tank.

Leak Test

1. Connect Vacuum Gauge and Vacuum Pump (Figure 2) to system hose in place of tank.
2. Open valve and start pump. Operate control in all modes.
3. Listen for hiss and observe gauge.

NOTE: Hissing is normal at Function Control when changing modes.

If system hisses or loses vacuum, find system leak as follows:

1. Turn on Vacuum Pump and check vacuum build-up.
2. Stop pump; vacuum should drop.
3. Clamp supply hoses with needlenose pliers, one at a time, until vacuum stops dropping (Figure 2).
4. Check vacuum schematic to find components in that line.
5. Clamp hoses through circuit to find leak.

Component Test

1. Connect Vacuum Tester to component.
2. Pump Vacuum Tester. Check that all components operate correctly and vacuum holds.
3. Replace component if vacuum does not hold.

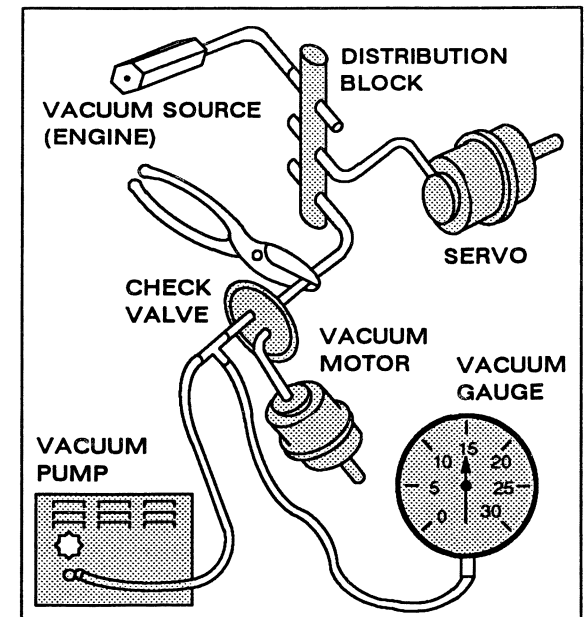
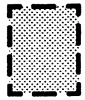
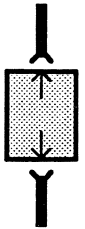


Figure 2 - Testing For Leaks In Typical Vacuum System

ELECTRICAL SYMBOLS



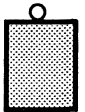
DASHED COMPONENT BOX
ONLY PART OF THE COMPONENT IS SHOWN ON THE PAGE; THE COMPONENT IS SHOWN COMPLETE IN ANOTHER LOCATION



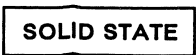
COMPONENT WITH CONNECTORS



BATTERY



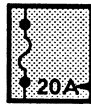
SCREW TERMINAL ON COMPONENT



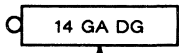
SEALED ELECTRONIC COMPONENT
ANY CIRCUITRY SHOWN INSIDE THE BOX IS A FUNCTIONAL EQUIVALENT ONLY AND IS NOT EXACT



GROUND CONNECTION



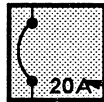
FUSE
CURRENT RATING



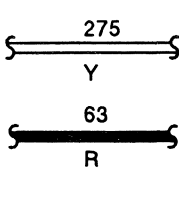
FUSIBLE LINK
WIRE SIZE AND COLOR



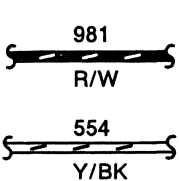
FUSIBLE LINK CARTRIDGE
CARTRIDGE CURRENT RATING



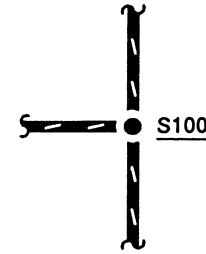
CIRCUIT BREAKER
CURRENT RATING



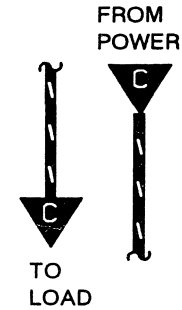
SOLID WIRES



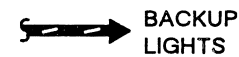
STRIPED WIRES



SPLICE OR CRIMP TERMINAL

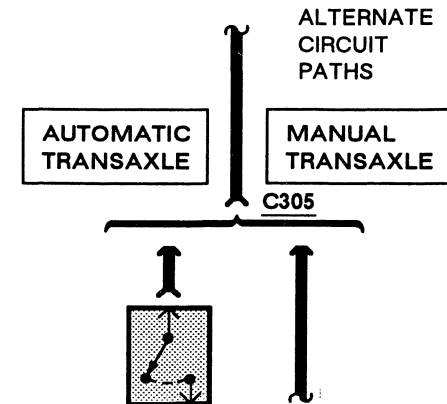


"CUT" WIRES REFERENCED BETWEEN PAGES
ARROWS SHOW CURRENT FLOW FROM POWER TO GROUND



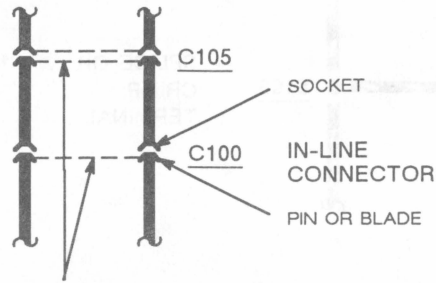
BACKUP LIGHTS

"REFERENCE" WIRES
COMPLETE WIRING SHOWN ON ANOTHER PAGE



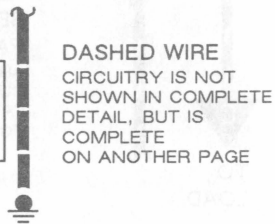
2-7 HOW TO USE THIS MANUAL

ELECTRICAL SYMBOLS

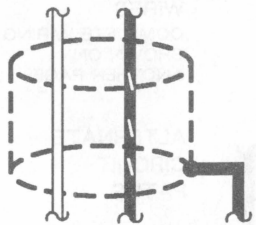


SINGLE OR DOUBLE DASHED LINE INDICATES THAT WIRE ON LEFT ALSO PASSES THROUGH THE SAME CONNECTOR

SEE GROUNDS
PAGES 10-1,
10-2



DASHED WIRE CIRCUITRY IS NOT SHOWN IN COMPLETE DETAIL, BUT IS COMPLETE ON ANOTHER PAGE



SHIELD WIRES ARE COVERED BY A SHIELD



FIELD COIL OR CHOKE



MOTOR



HEATING ELEMENT



THERMISTOR



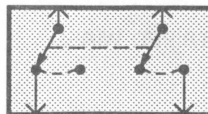
RHEOSTAT OR POTENTIOMETER



SOLENOID



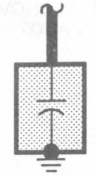
SWITCH



GANGED SWITCHES CONTACTS MOVE AT THE SAME TIME



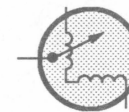
DIODES CURRENT FLOWS IN DIRECTION OF ARROW ONLY



CAPACITOR



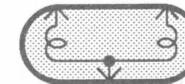
TRANSISTOR



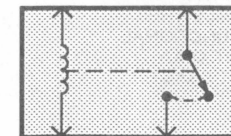
GAUGE



LIGHT BULB



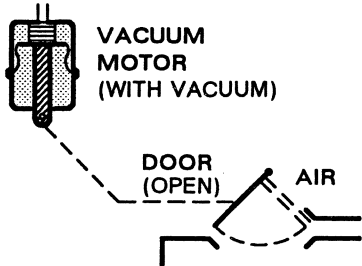
DUAL FILAMENT LIGHT BULB



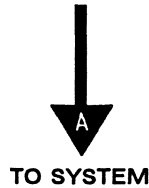
RELAY CONTACTS CHANGE POSITION WITH CURRENT THROUGH COIL

VACUUM SYMBOLS

"T" JUNCTION



VACUUM ON VACUUM MOTOR PULLS DOOR OPEN TO LET AIR PASS THROUGH

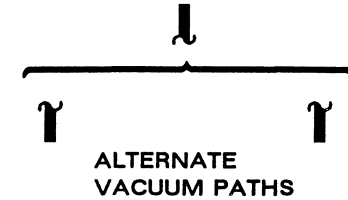


TO SYSTEM

FROM VACUUM DISTRIBUTION



"CUT" HOSES REFERENCED BETWEEN PAGES
ARROW SHOWS FROM MANIFOLD FITTING TO COMPONENT

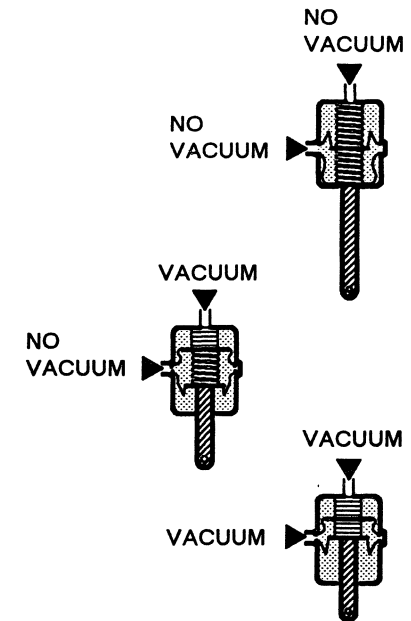


ALTERNATE VACUUM PATHS

NOTE

Other vacuum symbols used on vacuum system diagrams are fully explained on those pages.

DOUBLE DIAPHRAGM MOTOR



A double diaphragm motor has three positions (it is actually two motors in one housing). When the top port gets vacuum, the shaft pulls halfway in. When both ports get vacuum, the shaft pulls all the way in.

VACUUM MOTOR OPERATION

SINGLE DIAPHRAGM MOTOR

NO VACUUM

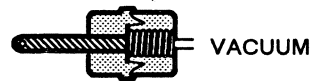


VACUUM



Vacuum motors operate like electrical solenoids, mechanically pushing or pulling a shaft between two fixed positions. When vacuum is applied, the shaft is pushed all the way out by a spring.

SERVO MOTOR



Some vacuum motors, such as the Servo Motor in the Speed Control, can position the actuating arm at any position between fully extended and fully retracted. The Servo is operated by a control valve that applies varying amounts of vacuum to the motor. The higher the vacuum level, the greater the retraction of the motor arm. Servo Motors work nearly the same way as two-position motors, except for the way the vacuum is applied. Servo Motors are generally larger and provide a calibrated control.

7-1 TROUBLESHOOTING/DESCRIPTIONS

SECTION 10

GROUNDS

HOW THE CIRCUIT WORKS

The ground circuits show how many different systems may share a common ground point.

While all of the ground circuits shown are shown complete, additional ground circuits may exist in the vehicle. Any ground circuit not shown in Cell 10 is shown complete in the appropriate system schematic.

All wires are 57 (BK) unless otherwise noted.

SECTION 12

CHARGING SYSTEM

HOW THE CIRCUIT WORKS

The Alternator is belt-driven by the engine. Field current is supplied from the Integral Alternator Regulator (IAR), mounted on the rear of the Alternator, to the rotating field of the Alternator, through two brushes and two slip rings.

The Alternator produces power in the form of alternating current. The alternating current is rectified to direct current by six diodes. The Alternator Regulator automatically adjusts the Alternator field current to maintain the Alternator output voltage within prescribed limits to correctly charge the Battery. The Alternator is self-current limiting.

The regulator voltage control circuit is turned on when the Ignition Switch is in START or RUN and voltage is applied to Regulator terminal I through a resistor in parallel with the Charge Indicator. When the Ignition Switch is OFF, the control circuit is turned OFF and no field current flows to the Alternator.

The Charge Indicator is connected across the terminals of a 500-ohm resistor in the Instrument Cluster. Current passes through the Indicator when the Ignition Switch is in START or RUN and there is no voltage at terminal S. When voltage at terminal S rises to a preset value, the regulator switching circuits stop the

flow of current into terminal I and the indicator turns OFF.

System voltage is "sensed" at Regulator terminal A. The regulator switching circuits turn the warning indicator ON to indicate a system fault if terminal A voltage is excessively high or low or if the voltage at terminal S is below a preset value.

A Fuse Link is included in the charging system wiring on all models. The Fuse Link prevents damage to the wiring harness and Alternator if the wiring harness should become grounded or if a booster battery is improperly connected to the charging system.

TROUBLESHOOTING HINTS

| CONDITION | POSSIBLE CAUSE | ACTION |
|--|---|--|
| <ul style="list-style-type: none">● Battery doesn't stay charged. | <ul style="list-style-type: none">● Open or poor connections at Alternator output. | <ul style="list-style-type: none">● Check that connectors or terminals on Alternator and Starter Relay are clean and tight.● Check Fuse Links E and F. |
| <ul style="list-style-type: none">● Charge Indicator is always on. | <ul style="list-style-type: none">● Loose Alternator drive belt.● Corroded battery terminals.● Inoperative Integral Alternator Regulator. | <ul style="list-style-type: none">● Check Alternator belt tension.● Check that battery post terminals are clean. Check that terminals cannot be easily turned by hand on battery posts.● Check Alternator. |

7-15 TROUBLESHOOTING/DESCRIPTIONS

SECTION 44 (cont'd)

For further diagnostic information, refer to Sections 13-06 and 13-07 of the Shop Manual.

SECTION 46

AIR BAG RESTRAINT SYSTEM

HOW THE CIRCUIT WORKS

The Air Bag Restraint System consists of a driver air bag, an Air Bag Diagnostic Module and Crash Sensors.

Air Bag Diagnostic Module

The Air Bag Diagnostic Module contains a microcomputer that monitors electrical system components and connections. The assembly performs a self-check of the microcomputer's internal circuits and energizes the Air Bag Indicator lamp during prove out and whenever a fault occurs. Eleven different faults can be detected and translated into a coded lamp display. If certain faults occur, the system will be

disarmed by a firing disarm device built into the Diagnostic Module. If a system fault exists and the lamp is malfunctioning, an audible tone will be heard, indicating the need for service.

Sensors

The Sensor assembly is an electrical switch that reacts to impacts according to direction and force. It discriminates between impacts that require air bag inflation and impacts that do not require air bag inflation. When an impact occurs that requires air bag inflation, the sensor contacts close, completing the electrical circuit: the system then operates.

Four crash sensors are mounted in the vehicle. At least two sensors, one safing, one

forward, must be activated to inflate the air bag.

Warning

Do not attempt to diagnose or troubleshoot air bag circuitry without consulting the shop manual. Improper troubleshooting could cause the air bag to fire inadvertently, causing injury.

For further diagnostic information, refer to Section 01-20 of the Shop Manual.

SECTION 53

HEATER

HOW THE CIRCUIT WORKS

Airflow

The heater assembly is a blend air system that receives outside air through the blower in-

let, which is connected directly to an opening in the upper cowl. Outside air is drawn into the system from the cowl, through the blower inlet, into the blower housing. It is forced through and/or around the heater core, mixed, and then discharged through outlets in the discharged air duct to the floor area or through

the defroster outlets and/or instrument panel registers, depending upon the type of climate control desired. Several doors determine the amount of air that goes through the heater core and the particular outlet(s) through which it discharges.

7-41 TROUBLESHOOTING/DESCRIPTIONS

SECTION 100 (cont'd)

TROUBLESHOOTING HINTS—CONVERTIBLE

| CONDITION | POSSIBLE CAUSE | ACTION |
|--|--|---|
| <ul style="list-style-type: none">• None of the Power Windows operate. | <ul style="list-style-type: none">• No voltage at 194 (PK) wire of Window Safety Relay.• No voltage at 171 (BK/W) wire of Window Safety Relay or Master Window Control Switch.• Inoperative Window Safety Relay.• No continuity of 57 (BK) wires from Master Window Control Switch to ground.• Inoperative Master Window Control Switch. | <ul style="list-style-type: none">• Check Circuit Breaker 14.• Check In-line Circuit Breaker and wiring.• Check by comparing with known good switch.• Check relay.• Repair opens in 57 (BK) wires and check connections.• Check by comparing with known good switch. |

For further diagnostic information, refer to Section 01-11 of the Shop Manual.

SECTION 102

CONVERTIBLE TOP

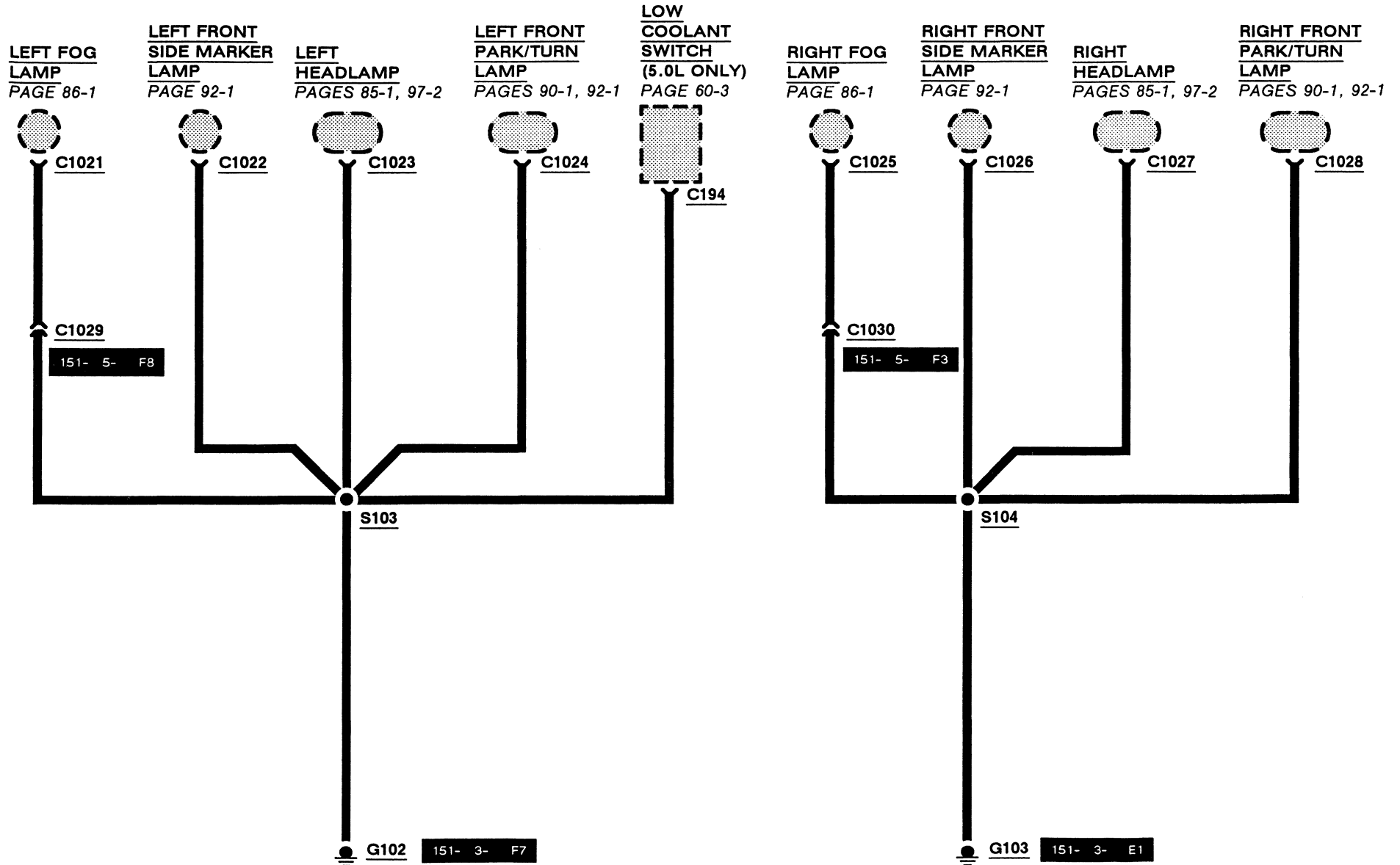
HOW THE CIRCUIT WORKS

With the Ignition Switch in RUN, voltage is available through Fuse 5 to the Convertible Top Switch. When the RAISE side of the switch is depressed, voltage is applied through the switch to energize the Raise Relay. Voltage is then applied through Fuse Link C, Fuse 12 and the Raise Relay contact to the Convertible Top Motor.

When the LOWER side of the switch is depressed, the Lower Relay is energized. Voltage from Fuse Link C is then applied through Fuse 12 and the Lower Relay contacts to the Convertible Top Motor.

10-1 GROUND

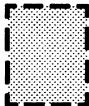
Refer to page 7-1 for
Troubleshooting/Descriptions.



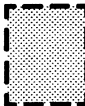
AIR BAG
DIAGNOSTIC
MODULE
PAGE 46-1



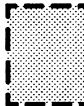
SHIFT LOCK
ACTUATOR
PAGE 37-1



BLOWER
MOTOR
SWITCH
PAGES 53-2,
54-2, 54-4

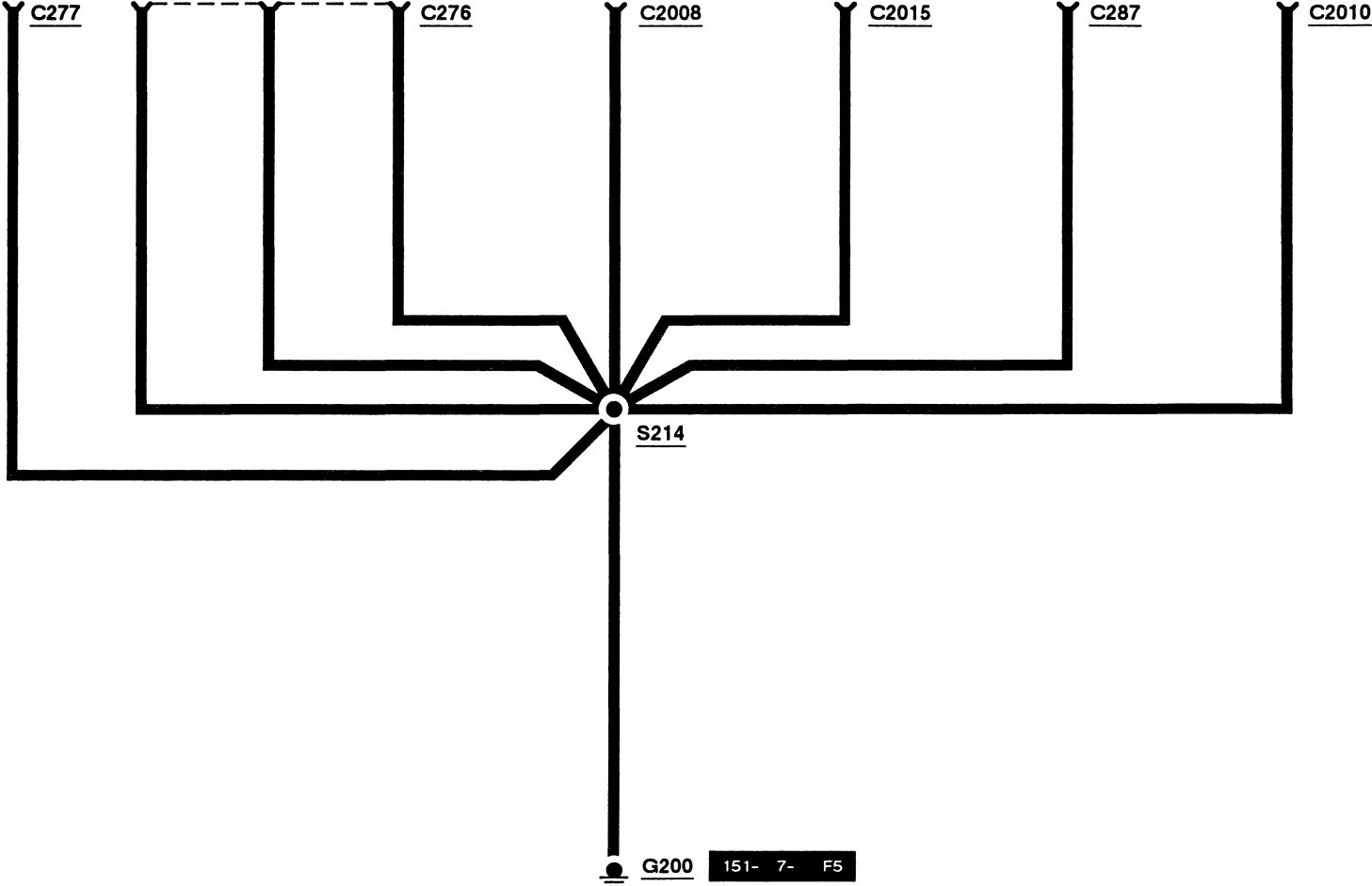


BLOWER
MOTOR
RESISTOR
ASSEMBLY
PAGES 53-2,
54-2, 54-4



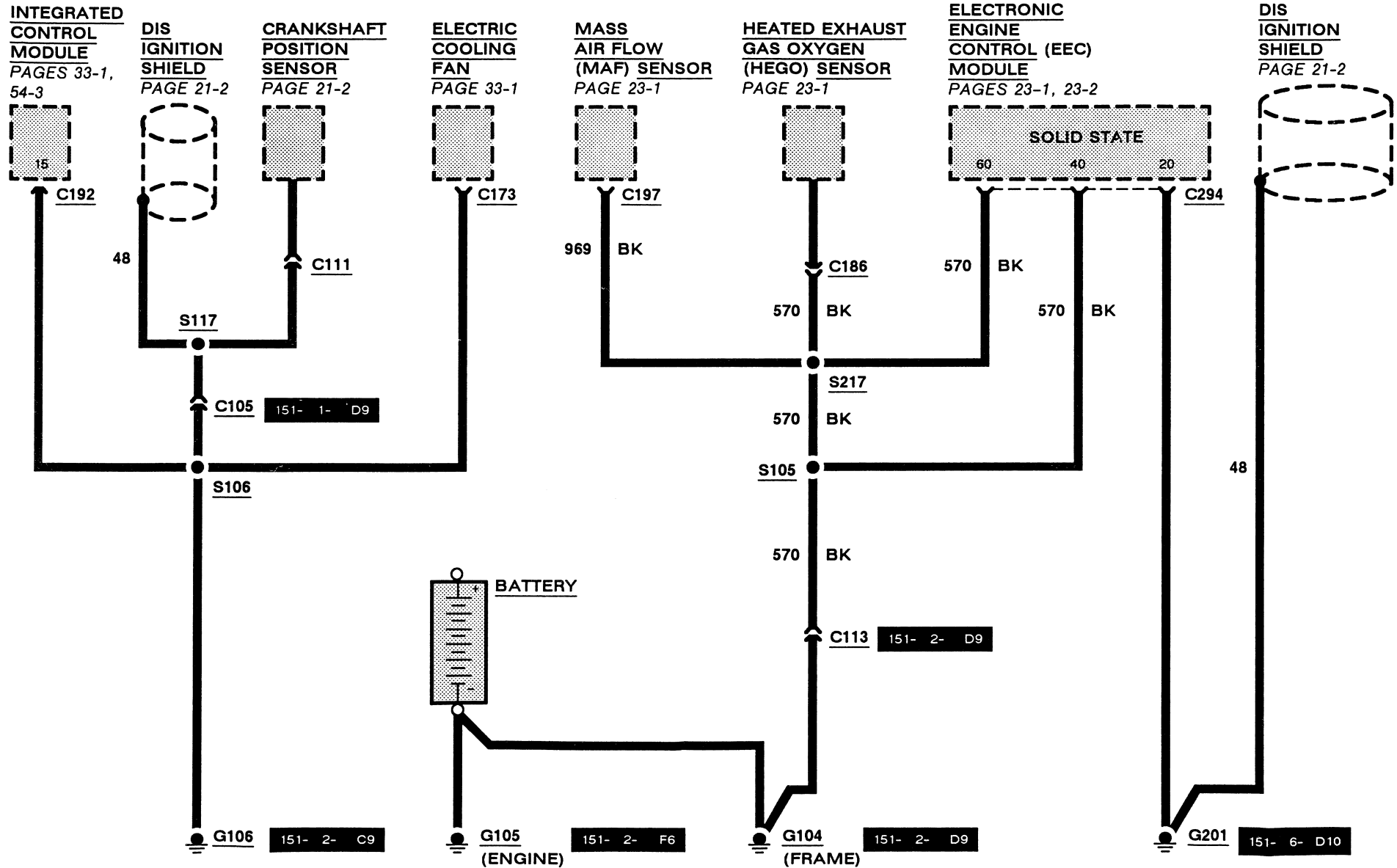
(NOT USED)

151- 8- C9

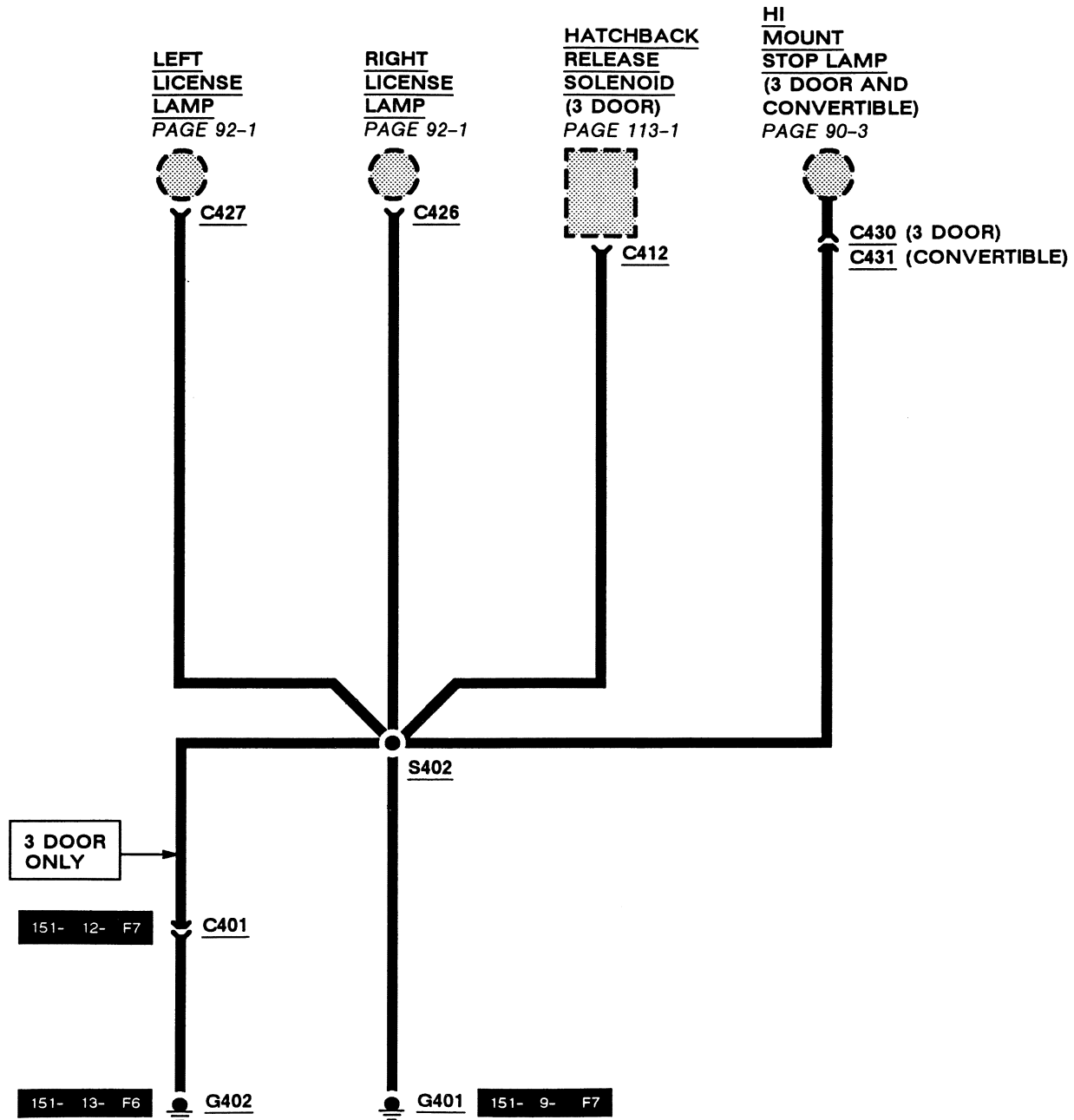


10-3 GROUNDS

2.3L



10-9 GROUNDS

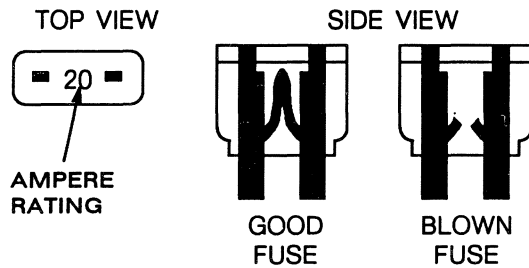


11-1 CIRCUIT PROTECTION/FUSE PANEL

CIRCUIT PROTECTION DEVICES

Electrical circuits on this vehicle may be protected by fuses, fusible links, maxi-fuse cartridges, circuit breakers, or a combination of these devices.

BLADE TYPE FUSE

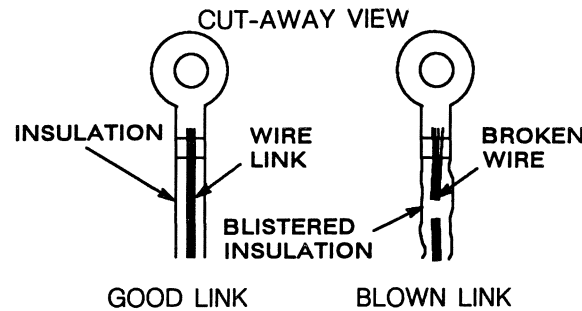


Blade type fuses have a transparent plastic housing. To check a fuse, pull it from the fuse panel and look at the fuse element through the housing. Always replace a blown fuse with a new fuse that has the same ampere rating.

The ampere rating of a blade type fuse can also be determined by following the color code shown here:

| BLADE FUSE COLOR CODING | |
|-------------------------|---------------|
| AMPERE RATING | HOUSING COLOR |
| 4 | Pink |
| 5 | Tan |
| 10 | Red |
| 15 | Light Blue |
| 20 | Yellow |
| 25 | Natural |
| 30 | Light Green |

FUSIBLE LINK



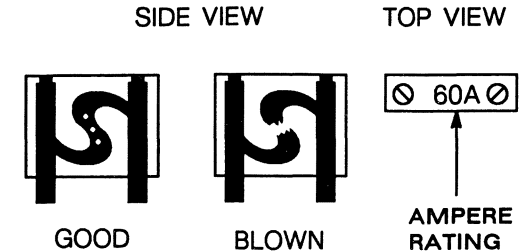
Fusible links are short lengths of wire that are smaller in diameter than the wires they are protecting. Fusible link wire is covered with a special thick, non-flammable insulation. An overload condition causes the insulation to blister. If the overload condition continues, the wire link will melt. To check a fusible link, look for blistered insulation. If the insulation is okay, pull lightly on the wire; if the fusible link stretches, the wire has melted.

When replacing fusible links, first cut the protected wire where it is connected to the fusible link. Then, tightly crimp or solder the new link to the protected wire.

Fusible links are often identified by color coding of the insulation, as shown here:

| FUSIBLE LINK COLOR CODING | |
|---------------------------|------------------|
| WIRE LINK SIZE | INSULATION COLOR |
| 20 GA | Blue |
| 18 GA | Brown or Red |
| 16 GA | Black or Orange |
| 14 GA | Green |
| 12 GA | Gray |

MAXI-FUSE CARTRIDGE



Maxi-fuse cartridges have a transparent colored plastic housing. To check a maxi-fuse cartridge, look at the fuse element through the side of the housing.

To replace a maxi-fuse cartridge, pull it from the fuse box or panel. Always replace a blown maxi-fuse cartridge with a new one having the same ampere rating.

The ampere rating of a maxi-fuse cartridge can also be determined by following the color code shown here:

| FUSIBLE LINK CARTRIDGE COLOR CODING | |
|-------------------------------------|---------------|
| AMPERE RATING | HOUSING COLOR |
| 30 | Light Green |
| 40 | Amber |
| 50 | Red |
| 60 | Blue |

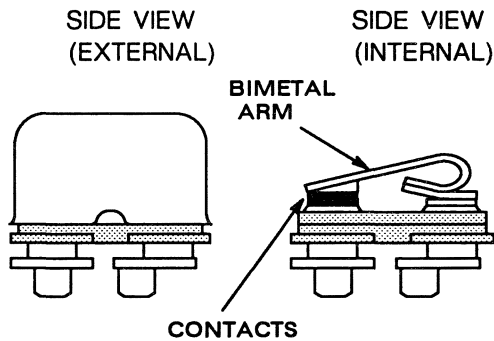
CIRCUIT PROTECTION/FUSE PANEL 11-2

CIRCUIT BREAKER

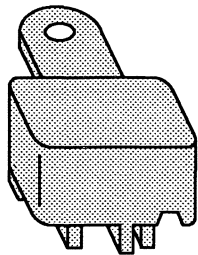
Some circuits are protected by circuit breakers (abbreviated "c. b." in fuse chart). They can be Fuse Panel mounted or in-line. Like fuses, they are rated in amperes.

Each circuit breaker conducts current through an arm made of two types of metal bonded together (bimetal arm). If the arm starts to carry too much current, it heats up. As one metal expands faster than the other the arm bends, opening the contacts. Current flow is broken. A circuit breaker can be the cycling or non-cycling type.

FUSE PANEL MOUNTED CYCLING TYPE

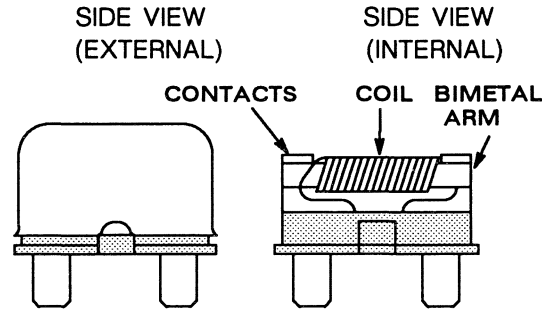


IN-LINE MOUNTED CYCLING TYPE

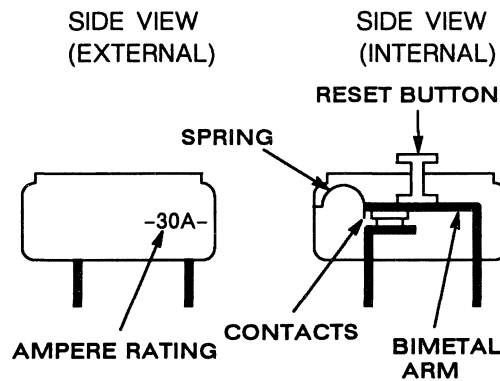


In the cycling type, the bimetal arm cools and straightens out. This cycle repeats as long as the overcurrent exists and power is applied.

FUSE PANEL MOUNTED NON-CYCLING TYPE



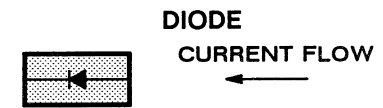
FUSE PANEL MOUNTED MANUAL RESET TYPE



Two types of non-cycling circuit breakers are used; one is reset by removing power from the circuit, and the other is reset by depressing a reset button.

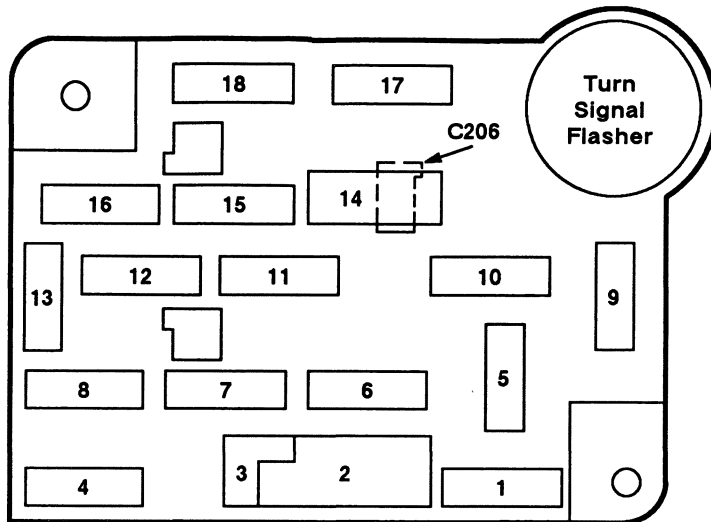
In the first type, there is a coil wrapped around the bimetal arm. When an overcurrent exists and the contacts open, a small current passes through the coil. This current through the coil is not enough to operate a load, but it does heat up both the coil and the bi-metal arm. This keeps the arm in the open position until power is removed.

In the second type, a spring pushes the bi-metal arm down and holds the contacts together. When an overcurrent condition exists and the bimetal arm heats up, the bimetal arm bends enough to overcome the spring and the contacts snap open. The contacts stay open until the reset button is pushed and the contacts snap together again.



Diodes are electrical devices that permit current to flow in one direction only. The current flows in the direction indicated by the arrow.

11-3 CIRCUIT PROTECTION/FUSE PANEL



| Fuse Value Amps | Color Code |
|-----------------|-------------|
| 4 | Pink |
| 5 | Tan |
| 10 | Red |
| 15 | Light Blue |
| 20 | Yellow |
| 25 | Natural |
| 30 | Light Green |

Power Distribution

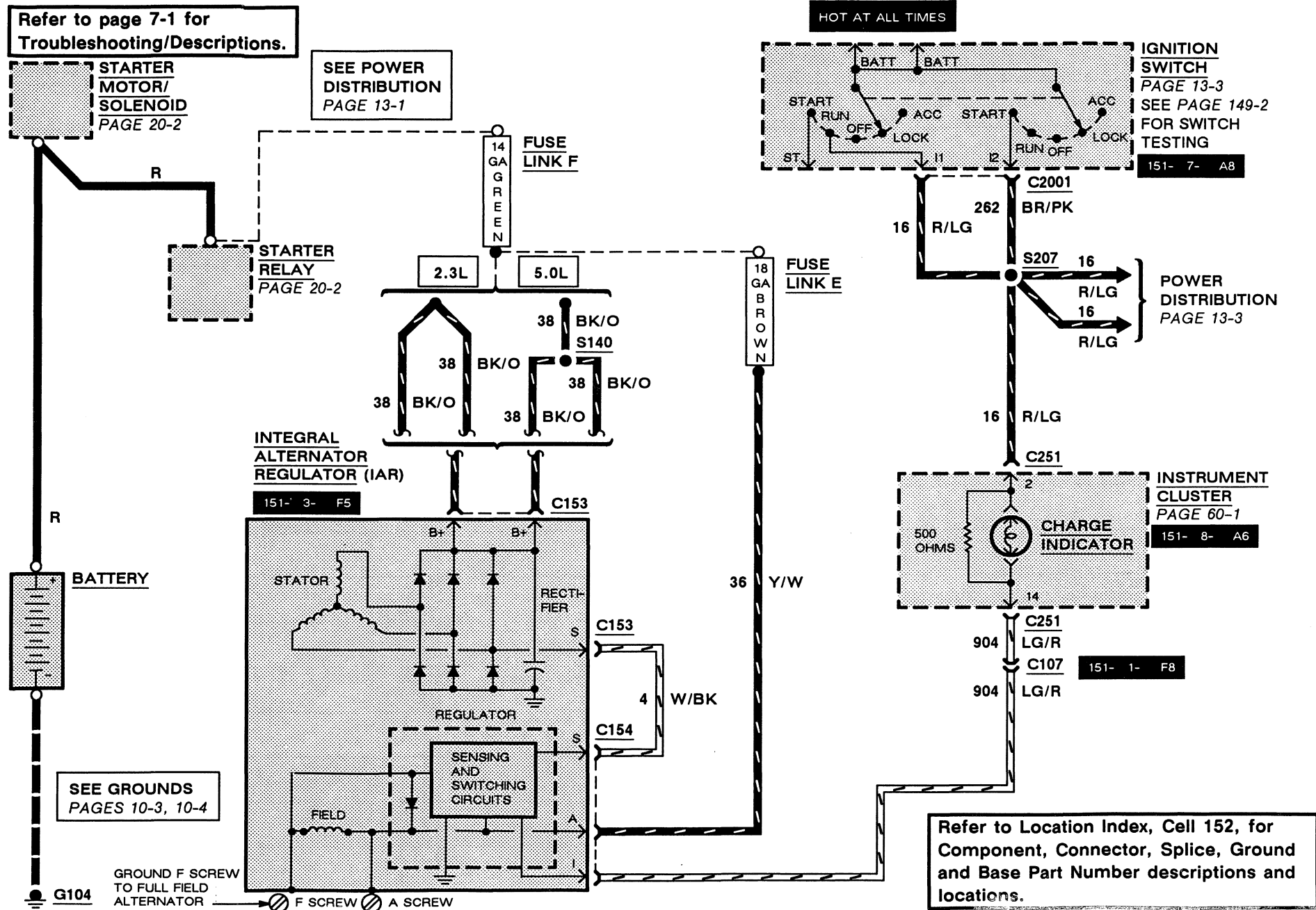
The Alternator and Battery are connected together at the Starter Relay hot terminal. Other circuits originate at the Starter Relay hot terminal and are protected by fuse links. Low power circuits are also protected by fuses.

The Ignition Switch and Headlamp Switch are powered at all times, as are fuses 1, 4, 7, 8, 10, 12 and 16. The other fuses are powered through the Ignition Switch or the Main Light Switch.

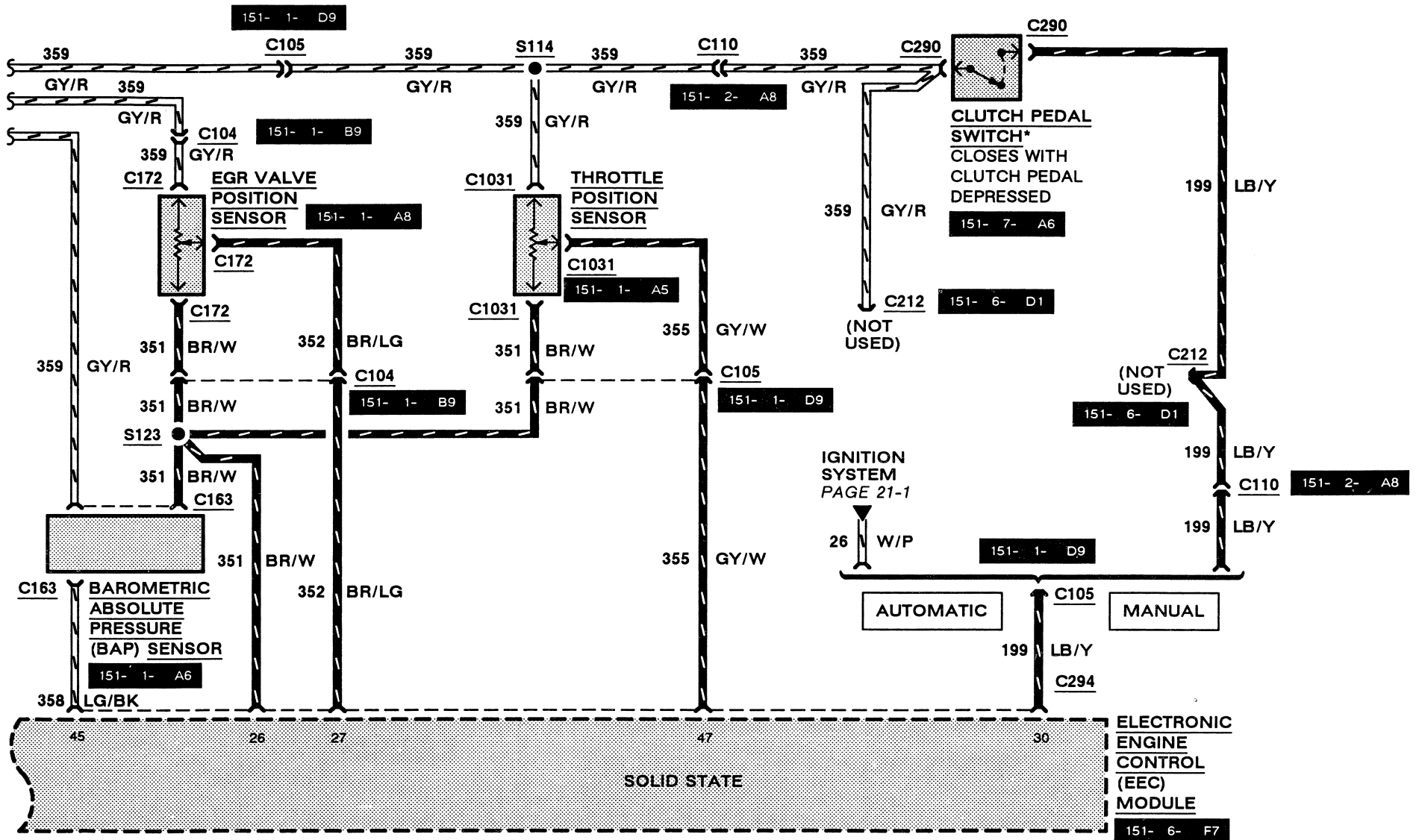
Positions 3 and 17 are not used.

| Fuse Position | Amps | Circuits Protected |
|---------------|---------|---|
| 1 | 15 | Stop/Hazard Lamps, Speed Control, Shift Lock |
| 2 | 15 | Interval Wiper/Washer |
| 3 | — | (Not Used) |
| 4 | 15 | Exterior Lamps, Instrument Illumination, Warning Chime |
| 5 | 15 | Turn Signals, Backup Lamps, Rear Window Defrost, Convertible Top, Daytime Running Lamps (DRL), Shift Lock |
| 6 | 20 | Instrument Illumination, A/C-Heater, Trunk Lid Release, Speed Control |
| 7 | 15 | Air Bag Restraint System |
| 8 | 15 | Courtesy Lamps, Radio, Warning Chime, Power Mirror |
| 9 | 30 | A/C-Heater |
| 10 | 20 | Flash-to-Pass, Daytime Running Lamps (DRL) |
| 11 | 15 | Radio |
| 12 | 15 | Convertible Top |
| 13 | 5 | Instrument Illumination |
| 14 | 20 c.b. | Power Windows |
| 15 | 15 | Fog Lamps |
| 16 | 20 | Cigar Lighter, Horn |
| 17 | — | (Not Used) |
| 18 | 15 | Instrument Cluster, Air Bag Restraint System, Warning Chime, Low Oil Level Warning Relay |

12-1 CHARGING SYSTEM

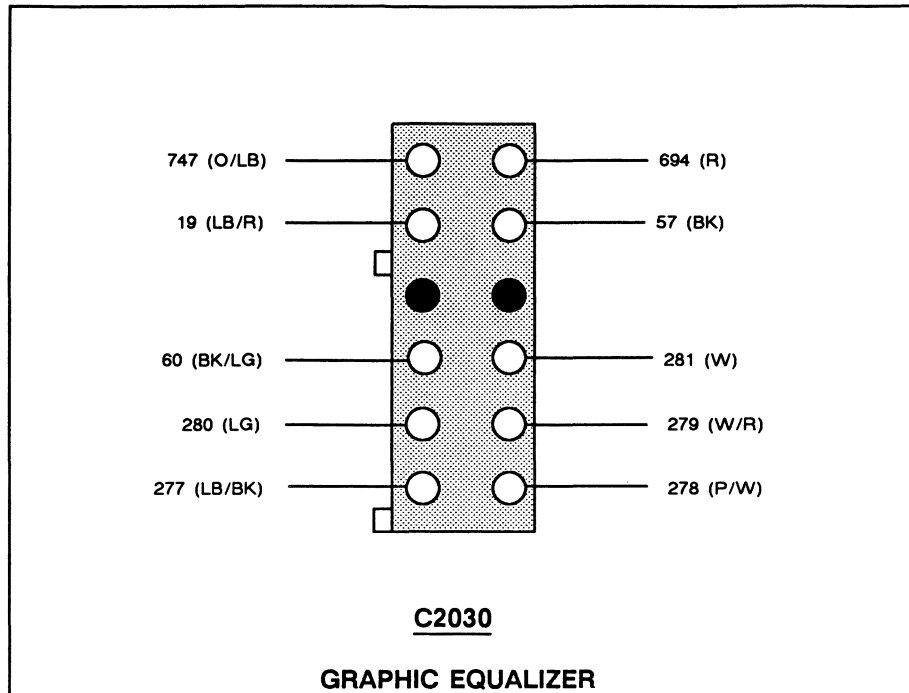
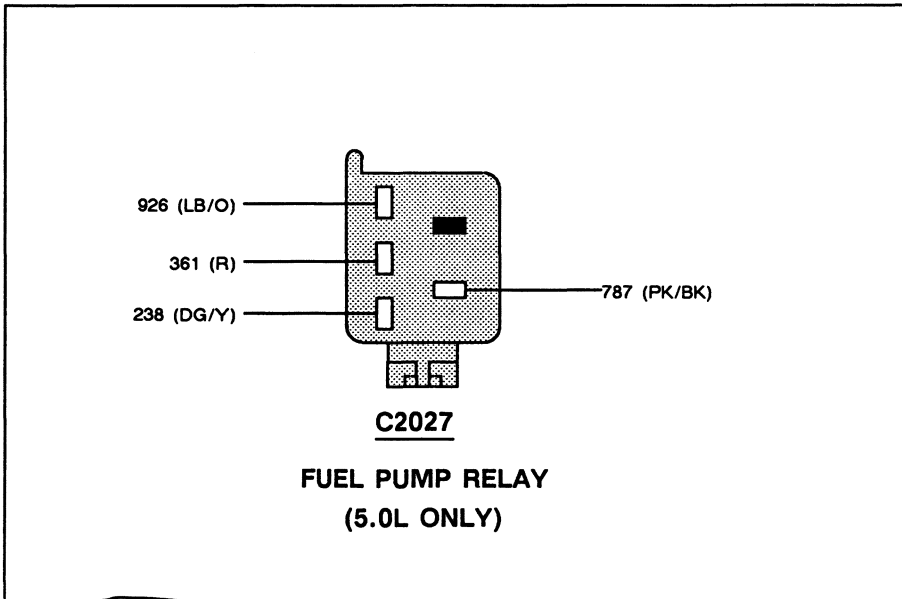
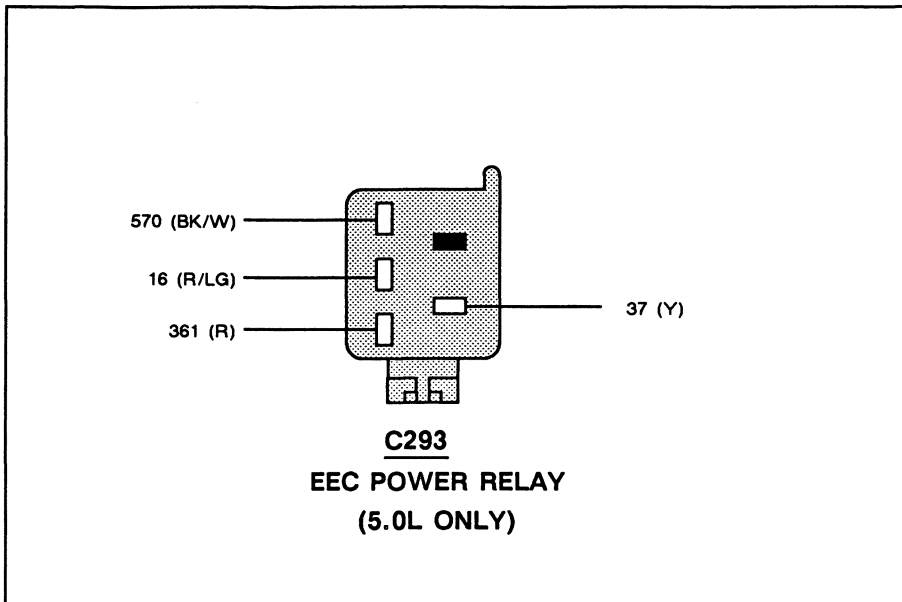


ELECTRONIC ENGINE CONTROL (2.3L EFI) 23-4



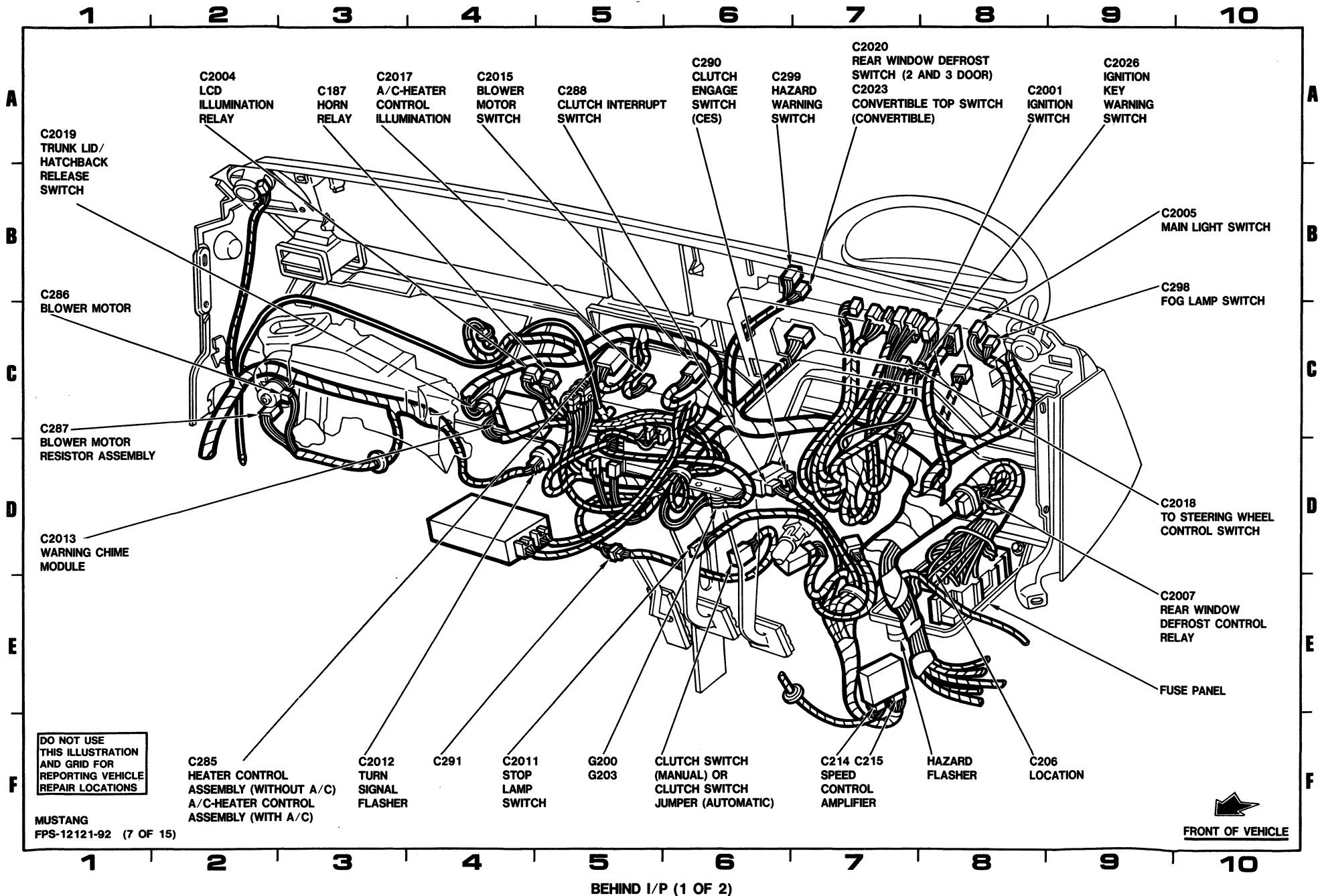
Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.

CONNECTOR FACES/PINOUT CHARTS 150-4

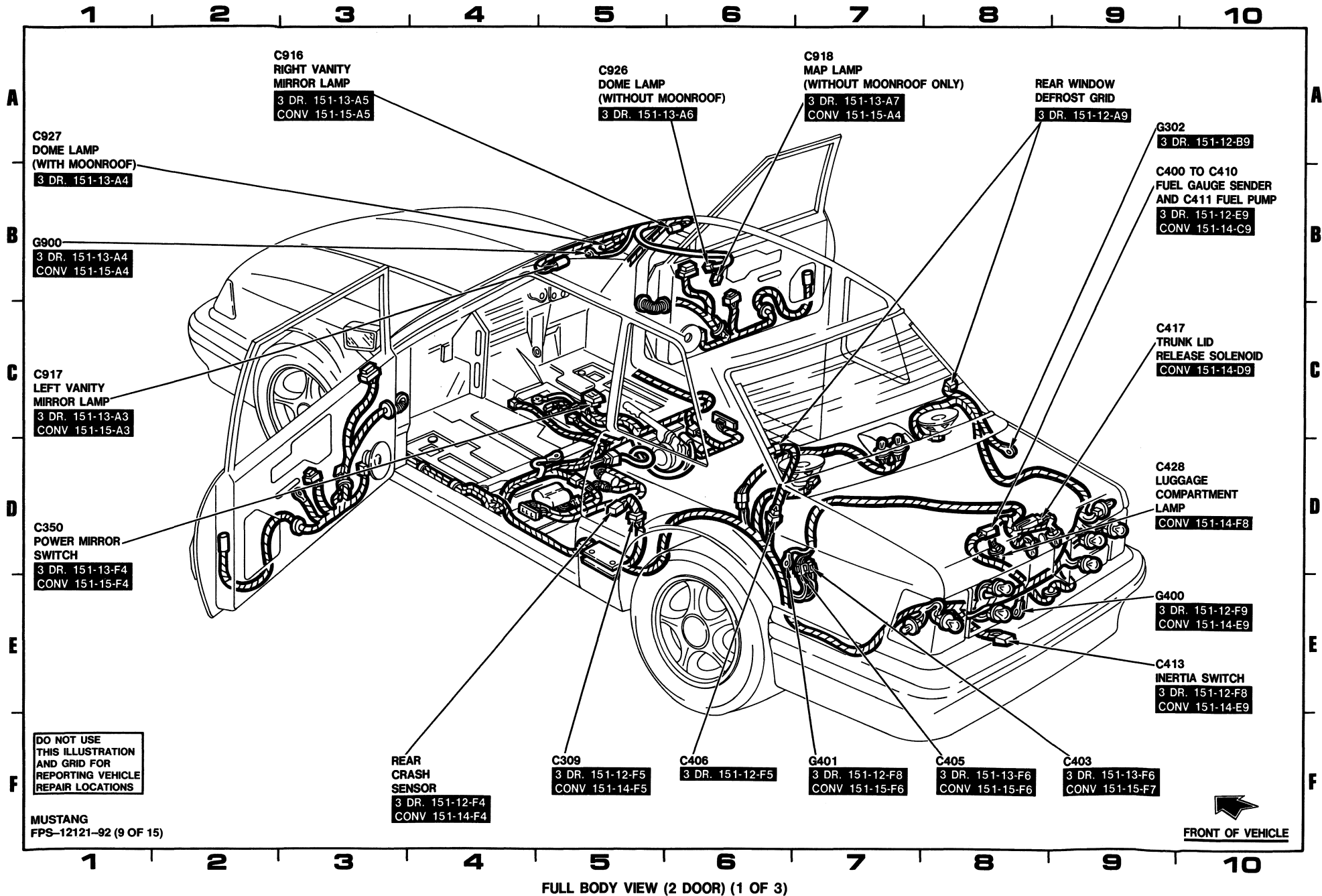


| PIN NUMBER | CIRCUIT | CIRCUIT FUNCTION |
|------------|-------------|--------------------------------|
| 1 | 747 (O/LB) | Radio |
| 2 | 19 (LB/R) | Instrument Dimming |
| 3 | — | NOT USED |
| 4 | 60 (BK/LG) | Cable Shield Ground |
| 5 | 280 (LG) | Left Front Speaker Signal (+) |
| 6 | 277 (LB/BK) | Left Rear Speaker Signal (+) |
| 7 | 278 (P/W) | Right Rear Speaker Signal (+) |
| 8 | 279 (W/R) | Right Front Speaker Signal (+) |
| 9 | 281 (W) | Speaker Common |
| 10 | — | NOT USED |
| 11 | 57 (BK) | Illumination Ground |
| 12 | 694 (R) | Power Ground |

151-7 COMPONENT LOCATION VIEWS



151-9 COMPONENT LOCATION VIEWS



152-1 LOCATION INDEX

| Base Harness Number | Harness Name | Major System |
|------------------------------------|---|---|
| 7C078 | Transmission Control Neutral Switch | Backup Lamps Starting System |
| 7E443 | Transmission Control Switch | Speed Control Vehicle Speed Sensor |
| 9A340 | Fuel Pump Feed Jumper | Fuel Pump Instrument Cluster (Fuel Gauge) |
| 9D821 | Speed Control Connector | Speed Control |
| 9D930 | Fuel Charging | Electronic Engine Control |
| 12A581 | Engine Control Sensor | Air Conditioner Air Bag Restraint Cooling Fans Electronic Engine Control Heater Ignition System Starting System |
| 12A690 | Engine Control Sensor Extension | Electronic Engine Control Ignition System |
| 12638 | Starter Circuit Jumper | Starting System |
| 13412 | Rear License Lamp | Courtesy Lamps Exterior Lamps Trunk Lid Release Turn/Stop/Hazard Lamps |
| 13B440 | Rear License Lamp Feed | License Lamp Rear Window Defrost |
| 14024 | Front Door Lock (RH) | Radio Power Door Locks Power Mirrors |
| 14025 | Front Door Lock (LH) | Power Door Locks Power Mirrors Radio |
| 14290 | Dash Panel To Headlamps | Charging System Exterior Lamps Fog Lamps Headlamps Horns Starting System Turn/Stop/Hazard Lamps |
| 14334 | Interior Lamp Feed | Courtesy Lamps |

LOCATION INDEX 152-2

| <u>Base Harness Number</u> | <u>Harness Name</u> | <u>Major System</u> |
|------------------------------------|------------------------------------|---|
| 14335 | Interior Lamp | Courtesy Lamps |
| 14401 | Main | Air Conditioner/Heater Air Bag Restraint Convertible Top Daytime Running Lamps Fog Lamps Fuse Panel Headlamps Horn Ignition System Instrument Cluster Instrument Illumination Interval Wiper/Washer Radio Rear Window Defrost Speed Control Starting System Turn/Stop/Hazard Lamps Warning Chime |
| 14405 | Rear Lamps | Air Bag Restraint Backup Lamps Courtesy Lamps Convertible Top Exterior Lamps Fuel Pump Inertia Switch Fuel Pump Relay Instrument Illumination Power Mirrors Power Windows Radio Rear Window Defrost Turn/Stop/Hazard Lamps |
| 14630 | Right Front Window Regulator | Power Door Locks Power Mirrors Power Windows Radio |
| 14631 | Left Front Window Regulator | Power Door Locks Power Mirrors Power Windows |

152-3 LOCATION INDEX

| <u>Base Harness Number</u> | <u>Harness Name</u> | <u>Major System</u> |
|------------------------------------|---|---|
| 14631 | Left Front Window Regulator (cont'd) | Radio |
| 14A200 | Window Regulator Relay Switch | Power Windows |
| 14A318 | Accessory Feed | Ashtray Illumination Cigar Lighter |
| 14B084 | Seat Back Pad Adjust | Lumbar Seats |
| 15525 | Backup Lp Sw To Rear Lamp Feed | Backup Lamps |
| 15A702 | Engine Compartment Lamp Feed | Courtesy Lamps |
| 18B864 | Radio Power Booster and Equalizer Amplifier | Radio |
| 18C618 | Back Window Heater | Rear Window Defrost |
| 18C619 | Back Window Heater | Rear Window Defrost |
| 18C620 | Back Window Ground | Rear Window Defrost |
| 19A044 | Radio Speaker Front (LH) | Power Mirrors Radio |
| 19A170 | Radio Speaker Jumper | Radio |
| 19B516 | Luggage Compartment Lamp | Courtesy Lamps Exterior Lamps Trunk Lid Release |
| 19D887 | Air Conditioning Jumper | Air Conditioner/Heater |

LOCATION INDEX 152-4

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|--|----------------------|--|------------------|------------------|-----------------------|
| A/C Clutch Diode (2.3L) | 14A604 | RH side of engine compartment, taped to engine harness | | 151- 3- C1 | |
| A/C Clutch Diode (5.0L) | 14A604 | LH side of engine compartment, taped to air conditioner jumper harness | | 151- 4- F6 | |
| A/C Clutch Field Coil (2.3L) | 19703 | Lower RH front of engine, part of A/C compressor assembly | C159 | 151- 3- D1 | |
| A/C Clutch Field Coil (5.0L) | 19703 | Top LH front of engine, part of A/C compressor assembly | C159 | 151- 4- F5 | |
| A/C-Heater Control Assembly | 19980 | Center of I/P | C285 | 151- 7- F2 | |
| A/C-Heater Control Illumination | 18549/19980 .. | Center of I/P, on A/C-heater control assembly | C2017 | 151- 7- A3 | |
| A4LD Transmission | 7005 | Under center of car, on transmission | C157 | 151- 2- A5 | |
| Air Bag Diagnostic Module | 14B056 | Behind lower center of I/P | C276,C277 .. | 151- 8- E1 | 150- 1 |
| Air Charge Temperature (ACT) Sensor (2.3L) | 12A697 | RH side of engine compartment, on air cleaner assembly | C160 | 151- 1- E1 | |
| Air Charge Temperature (ACT) Sensor (5.0L) | 12A697 | Top LH front of engine, behind coolant temperature sender | C160 | 151- 4- F8 | |
| Ashtray Illumination | 15055 | Center console, in ashtray | C319 | 151-10- A2 | |
| Backup Lamp Switch | 15520 | LH side of manual transmission | C161 | * | |
| Backup Lamps | 13465 | Rear of car, on respective sides | C421,C425 .. | 151-11- D9 | |
| Backup/Neutral Safety Switch | 7A247 | LH side of automatic transmission | C162 | * | |
| Barometric Absolute Pressure (BAP) Sensor (2.3L) | 12B583 | Top center of safety wall | C163 | 151- 1- A6 | |
| Barometric Absolute Pressure (BAP) Sensor (5.0L) | 12B583 | Top center of safety wall | C163 | 151- 4- A5 | |
| Blower Motor | 19805 | Behind RH side of I/P, in A/C-heater assembly | C286 | 151- 7- B1 | |
| Blower Motor Resistor Assembly | 19A706 | Behind RH side of I/P, in A/C-heater assembly | C287 | 151- 7- C1 | |
| Blower Motor Switch | 19A642 | Center of I/P | C2015 | 151- 7- A4 | |

* No Figure Available

152-5 LOCATION INDEX

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|----------------------|--|------------------|------------------|-----------------------|
| Brake Fluid Level Switch (2.3L) | 2L414 | LH rear of engine compartment, on brake fluid reservoir | C164 | 151- 3- B9 | |
| Brake Fluid Level Switch (5.0L) | 2L414 | LH rear of engine compartment, on brake fluid reservoir | C164 | 151- 5- A8 | |
| Canister Purge Solenoid (2.3L) | 9C915 | RH side of engine compartment, forward of shock tower | C1032 | 151- 1- C1 | |
| Canister Purge Solenoid (5.0L) | 9C915 | Lower RH front of engine compartment | C165 | 151- 5- E1 | |
| Cargo Lamp | 13776 | Center rear of cargo area | C429 | 151-12- D9 | |
| Center Line Crash Sensor (2.3L) | 14B006 | Top center of upper radiator support | C166 | 151- 2- F5 | |
| Center Line Crash Sensor (5.0L) | 14B006 | Top center of upper radiator support | C166 | 151- 5- F5 | |
| Cigar Lighter | 15052 | Center console, in ashtray | | 151-10- C1 | |
| Clockspring/Slip Ring Assembly | 14A664 | In top of steering column, below steering wheel | C2010 | 151- 8- C9 | |
| Clutch Cycling Pressure Switch (2.3L) | 19E561 | RH rear corner of engine compartment, on A/C accumulator | C167 | 151- 3- A2 | |
| Clutch Cycling Pressure Switch (5.0L) | 19E561 | RH rear corner of engine compartment, on A/C accumulator | C167 | 151- 4- A2 | |
| Clutch Engage Switch (CES) | 11A152 | Behind LH side of I/P, on clutch pedal support | C288 | 151- 7- A5 | |
| Clutch Pedal Switch | 11A152 | Behind LH side of I/P, on clutch pedal support | C290 | 151- 7- A6 | |
| Clutch Switch | 9A837 | Behind LH side of I/P, on clutch pedal support | C291 | 151- 7- F5 | |
| Clutch Switch Jumper | 9D821 | Behind center of I/P, on I/P support brace | C291 | 151- 7- F5 | |
| Convertible Top Motor | 533A00 | Behind top center of rear seat | C409 | 151-14- F7 | |
| Convertible Top Switch | 13A350 | Top LH side of I/P, right of instrument cluster | C2023 | 151- 7- A7 | |
| Coolant Temperature Sender (2.3L) | 10884 | LH rear of engine, below oil pressure switch | C168 | 151- 3- A6 | |
| Coolant Temperature Sender (5.0L) | 10884 | Top LH front of engine, LH side of distributor | C168 | 151- 4- A5 | |

LOCATION INDEX 152-6

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|--|----------------------|--|------------------|------------------|-----------------------|
| Crankshaft Position Sensor | 6C315 | Center front of engine, near timing chain cover | C111,C112 ... | 151- 1- F5 | 150- 2 |
| DRL Shorting Connector (2.3L) | 14A624 | In front of LH front fender, below horns | C170 | 151- 3- E9 | |
| DRL Shorting Connector (5.0L) | 14A624 | In front of LH front fender, below horns | C170 | 151- 4- E9 | |
| Daytime Running Lamps (DRL) Module (2.3L) | 15A272 | In front of LH front fender, below horns | C170 | 151- 3- E9 | 150- 2 |
| Daytime Running Lamps (DRL) Module (5.0L) | 15A272 | In front of LH front fender, below horns | C170 | 151- 4- E9 | 150- 2 |
| Distributorless Ignition System (DIS) Module | 12A199 | Top LH front of engine, forward of intake manifold | C155,C156 ... | 151- 2- A2 | 150- 3 |
| Dome Lamp (With Moonroof) | 13776 | Center of windshield header | C927 | 151- 9- A1 | |
| Dome Lamp (Without Moonroof) | 13776 | Center of roof | C926 | 151- 9- A5 | |
| Driver's Seat Control Switch | | LH side of LH front seat | C302 | 151-11- F4 | |
| Driver's Seat Motor Assembly | | Under LH front seat | C305 | 151-11- F5 | |
| EEC Power Relay | 12A646 | Behind RH cowl panel, on bracket, above electronic engine control (EEC) module .. | C293 | 151- 6- A6 | 150- 4 |
| EGR Vacuum Regulator Solenoid (2.3L) 9J472 | | RH rear of engine compartment, on rear of strut tower | C171 | 151- 1- B1 | |
| EGR Vacuum Regulator Solenoid (5.0L) 9J459 | | RH rear of engine compartment, on rear of strut tower | C171 | 151- 5- A2 | |
| EGR Valve Position Sensor (2.3L) 9G428 | | Top LH rear of engine, on rear of intake manifold | C172 | 151- 1- A8 | |
| EGR Valve Position Sensor (5.0L) 9G428 | | Top RH rear of engine, on rear of intake manifold | C172 | 151- 4- A3 | |
| Electric Cooling Fan | 8K621 | Center front of engine compartment, behind radiator | C173 | 151- 3- F4 | |
| Electronic Engine Control (EEC) Module (2.3L) | 12A650 | Behind RH cowl panel | C294 | 151- 6- F7 | 150- 5 |
| Electronic Engine Control (EEC) Module (5.0L) | 12A650 | Behind RH cowl panel | C294 | 151- 6- F7 | 150- 7 |
| Engine Compartment Lamp | 15702 | Underside of engine compartment hood | C158 | 151- 5- A9 | |

152-7 LOCATION INDEX

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|----------------------------------|----------------------|---|---|------------------|-----------------------|
| Engine Coolant Temperature (ECT) | | | | | |
| Sensor (2.3L) | 12A648 | RH rear of engine, below throttle body | C174 | 151- 1- A3 | |
| Engine Coolant Temperature (ECT) | | | | | |
| Sensor (5.0L) | 12A648 | Top RH front of engine, RH side of fuel injector No. 1 | C174 | 151- 4- A1 | |
| Engine Indicator Diode | 10C912 | Behind LH side of I/P, taped in main harness, near speed control amplifier | | 151- 8- F8 | |
| Fog Lamp Switch | 11654 | Top LH side of I/P, left of instrument cluster | C298 | 151- 7- B9 | |
| Fog Lamps | 15200 | Lower front of car, on respective sides | C1021,C1025 | 151-11- F7 | |
| Front Park/Turn Lamps | 13200 | Front of car, on respective sides | C1024,C1028 | 151- 3- F8 | |
| Front Side Marker Lamps | 15A424 | Front of respective front fenders | C1022,C1026 | 151- 3- F9 | |
| Fuel Gauge Sender | 9H307 | Below rear of car, top LH side of fuel tank .. | C410 | 151-14- C9 | |
| Fuel Injectors (2.3L) | 9F593 | Top of each cylinder | C178,C179, C180,C181 | 151- 1- F4 | |
| Fuel Injectors (5.0L) | 9F593 | Top of each cylinder | C178,C179, C180,C181, C182,C183, C184,C185 | 151- 4- B9 | |
| Fuel Pump | 9350 | Below rear of car, top RH side of fuel tank .. | C411 | 151-14- C9 | |
| Fuel Pump Relay | 14N089 | RH side of engine compartment, on lower front of wheelwell | C175 | 151- 5- D1 | 150- 4 |
| Fuse Link A (2.3L) | 14526 | Front of LH fender apron, at starter relay | | 151- 3- D9 | |
| Fuse Link A (5.0L) | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link B (2.3L) | 14526 | Front of LH fender apron, at starter relay | | 151- 3- D9 | |
| Fuse Link B (5.0L) | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link C (2.3L) | 14526 | Front of LH fender apron, at starter relay | | 151- 3- D9 | |
| Fuse Link C (5.0L) | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link D | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link E (2.3L) | 14526 | LH side of engine compartment, taped to dash panel to headlamp junction harness, behind battery | | 151- 3- F6 | |

LOCATION INDEX 152-8

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|----------------------|---|------------------|------------------|-----------------------|
| Fuse Link E (5.0L) | 14526 | LH side of engine compartment, behind battery | | 151- 4- F9 | |
| Fuse Link F (2.3L) | 14526 | Front of LH fender apron, at starter relay | | 151- 3- D9 | |
| Fuse Link F (5.0L) | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link G (2.3L) | 14526 | Front of LH fender apron, at starter relay | | 151- 3- C9 | |
| Fuse Link G (5.0L) | 14526 | Front of LH fender apron, at starter relay | | 151- 4- D9 | |
| Fuse Link H | 14526 | Front of LH fender apron, at starter relay | | 151- 3- C9 | |
| Fuse Link J | 14526 | Front of LH fender apron, at starter relay | | 151- 3- C9 | |
| Fuse Link K (2.3L) | 14526 | RH rear corner of engine compartment, taped to engine harness | | 151- 2- B1 | |
| Fuse Link K (5.0L) | 14526 | RH rear corner of engine compartment, taped to engine harness | | 151- 4- A1 | |
| Fuse Link N (2.3L) | 14526 | LH rear corner of engine compartment, taped to main harness | | 151- 2- A9 | |
| Fuse Link N (5.0L) | 14526 | LH rear corner of engine compartment, taped in main harness | | 151- 4- B9 | |
| Fuse Panel | 14A067 | Behind LH side of I/P, left of steering column | C206 | 151- 7- E9 | |
| Glove Box Lamp | 14413 | RH side of I/P, in glove box | C2016 | 151- 8- B1 | |
| Graphic Equalizer | 18T803 | Center of I/P, below radio | C2030 | 151- 8- F7 | 150- 4 |
| Hatchback Release Solenoid | 14030 | Center rear of hatchback, near latch assembly | C412 | 151-12- C9 | |
| Hazard Flasher | 13350 | Behind LH side of I/P, on fuse panel | | 151- 7- F8 | |
| Hazard Warning Switch | 13A350 | Top LH side of I/P, RH side of instrument cluster | C299 | 151- 7- A6 | 150- 9 |
| Headlamps | 13005 | Front of car, on respective sides | C1023,C1027 | 151- 3- F9 | |
| Heated Exhaust Gas Oxygen (HEGO) Sensor | 9F472 | Lower RH rear of engine, in exhaust manifold | C186 | 151- 1- C1 | |
| Heater Control Assembly | 18549 | Center of I/P | C285 | 151- 7- F1 | |
| Hi Mount Stop Lamp (2 Door) | 13A613 | Center of rear package tray | C321 | 151-10- E9 | |
| Hi Mount Stop Lamp (3 Door) | 13A613 | In center of rear spoiler | C430 | 151-13- C9 | |

152-9 LOCATION INDEX

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|-----------------------|---|---------------------|----------------------|-----------------------|
| Hi Mount Stop Lamp (Convertible) | 13A613 | Center rear of trunk lid | C431 | 151-15- A9 | |
| Horn Relay | 13853 | Behind RH center of I/P, above warning chime module | C187 | 151- 7- A3 | 150- 9 |
| Horns (2.3L) | 13A803 | In front of LH fender, near windshield washer fluid reservoir | C188,C189 | 151- 2- E9 | |
| Horns (5.0L) | 13A803 | In front of LH fender, near windshield washer fluid reservoir | C188,C189 | 151- 5-E10 | |
| Idle Air Bypass Valve (2.3L) | 9F715 | Top rear of engine, above valve cover | C190 | 151- 1- A5 | |
| Idle Air Bypass Valve (5.0L) | 9F715 | Top RH side of engine, forward of throttle body | C190 | 151- 4- C1 | |
| Ignition Coil | 12029 | LH side of engine compartment, on front of strut tower | C191 | 151- 5-C10 | |
| Ignition Key Warning Switch | 11A127 | Top RH side of steering column, part of ignition lock cylinder | C2026 | 151- 7- A9 | |
| Ignition Suppression Resistor | 14A601 | LH rear corner of engine compartment, taped to engine harness | | 151- 4- A8 | |
| Ignition Switch | 11572 | Top RH side of steering column | C2001 | 151- 7- A8 | 150- 9 |
| In-line Circuit Breaker (2.3L) | 14A065 | Front of LH fender apron, on starter relay | | 151- 3- B9 | |
| In-line Circuit Breaker (5.0L) | 14A065 | Front of LH fender apron, on starter relay | | 151- 4- C9 | |
| Inertia Switch | 9341 | Lower LH center rear of trunk | C413 | 151- 9- E9 | |
| Instrument Cluster | 10849 | Top LH side of I/P | C250,C251 | 151- 8- A6 | 150-10 |
| Instrument Panel Dimming Rheostat | 11691 | LH side of I/P, left of steering column | C2022 | 151- 8- C9 | |
| Integral Alternator Regulator (IAR) (2.3L) | 10300/10346 | Top LH front of engine | C153,C154 | 151- 3- F5 | 150-12 |
| Integral Alternator Regulator (IAR) (5.0L) | 10300/10346 | RH front of engine | C153,C154 | 151- 4- F3 | 150-12 |
| Integrated Relay Control Module | 12B581 | Mounted on side of RH front strut tower | C192 | 151- 3- A1 | 150-11 |
| Interval Governor | 6C625 | Behind LH side of I/P, LH side of steering column brace | C2002 | 151- 8- E9 | 150-12 |
| LCD Illumination Relay | 13A025 | Behind RH center of I/P, near horn relay | C2004 | 151- 7- A2 | 150-13 |
| Left Dash Speaker | 18808 | Behind top LH corner of I/P | C2025 | 151- 8- B9 | |
| Left Door Lock Motor | 218A42 | In rear of LH front door | C503 | 151-11- E1 | |

LOCATION INDEX 152-10

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|--|----------------------|--|------------------|------------------|-----------------------|
| Left Door Lock Switch | 14A509 | Center of LH front door, on armrest | C507 | 151-11- D1 | 150- 2 |
| Left Door Speaker | 18808 | In lower front of LH front door | C508 | 151-10- D1 | |
| Left Forward Crash Sensor (2.3L) | 14B005 | LH side of upper radiator support, behind headlamp | C177 | 151- 2- F8 | |
| Left Forward Crash Sensor (5.0L) | 14B005 | LH side of upper radiator support, behind headlamp | C177 | 151- 5- F8 | |
| Left Front Courtesy Lamp Switch | 13713 | In front of LH front door jamb | C297 | 151- 6- F5 | |
| Left Front Window Motor | 23394 | In lower front of LH front door | C504 | 151-11- F3 | |
| Left Heated Exhaust Gas Oxygen (HEGO) Sensor | 9F472 | Lower LH rear of engine, in exhaust manifold | C193 | 151- 5- A6 | |
| Left Power Lumbar Compressor Motor | 65530 | Under RH side of LH front seat | C307 | 151-10- F4 | |
| Left Power Lumbar Seat Switch | 14C715 | On LH side of LH front seat | C323 | 151-10- F2 | |
| Left Power Mirror | 17682 | Top front of LH front door | C509 | 151-11- C1 | |
| Left Rear Speaker (2 Door) | 18971 | LH side of rear package tray | C325 | 151-10- F8 | |
| Left Rear Speaker (3 Door) | 18932 | LH front of cargo area | C325 | 151-12- F6 | |
| Left Rear Speaker (Convertible) | 18971 | Front of LH rear quarter panel, in trim panel | C325 | 151-14- F5 | |
| Left Rear Window Motor | 23394 | In front of LH rear quarter panel | C311 | 151-14- F4 | |
| Left Vanity Mirror Lamp | 17A679 | At LH vanity mirror | C917 | 151- 9- C1 | |
| License Lamps (2 Door And Convertible) | 13550 | Center rear of trunk lid | C426,C427 | 151-11- E9 | |
| License Lamps (3 Door) | 13550 | Center rear of hatchback | C427,C426 | 151-13- E9 | |
| Low Coolant Switch | 10D968 | LH front of engine compartment, in coolant reservoir | C194 | 151- 4- F9 | |
| Low Oil Level Sensor | 6C624 | Lower LH rear of engine, on side of oil pan | C195 | 151- 5- A6 | |
| Low Oil Warning Relay | 6C625 | Behind LH side of I/P, LH side of steering column brace | C196 | 151- 8- D9 | 150-13 |
| Lower Relay | 9345 | Behind top center of rear seat, LH side of convertible top motor | C414 | 151-14- F6 | 150-13 |
| Luggage Compartment Lamp (2 Door) | 19B516 | Center rear of trunk lid | C428 | 151- 9- D9 | |
| Luggage Compartment Lamp (Convertible) | 19B516 | LH rear of trunk lid | C428 | 151-14- F8 | |

152-11 LOCATION INDEX

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|----------------------|---|--------------------|------------------|-----------------------|
| Main Light Switch | 11654 | Top LH side of I/P, LH side of instrument cluster | C2005 | 151- 7- B9 | 150-13 |
| Map Lamp (2 And 3 Door) | 13776 | Center of roof | C918 | 151- 9- A7 | |
| Map Lamp (Convertible) | 13776 | Center of windshield header | C900 | 151-15- A4 | |
| Mass Air Flow (MAF) Sensor (2.3L) | 12B579 | RH side of engine compartment, on rear of air cleaner assembly | C197 | 151- 1- D1 | |
| Mass Air Flow (MAF) Sensor (5.0L) | 12B579 | RH side of engine compartment, on air intake assembly | C197 | 151- 4- D1 | |
| Master Window/Door Lock Control Switch (2 And 3 Door) | 14A509 | Center of LH front door, on armrest | C502 | 151-11- D1 | 150-24 |
| Master Window/Door Lock Control Switch (Convertible) | 14A509 | Center of front LH door, on armrest | C505 | 151-15- C1 | 150-24 |
| Multi-function Switch | 13K359 | Inside top of steering column | C268,C269, C270 | 151- 8- A8 | 150-14 |
| Neutral Gear Switch (NGS) | 7A247 | Top front of manual transmission | C117 | 151-11- B1 | |
| Octane Adjust Shorting Bar | 14A464 | RH rear of engine compartment | C1000 | 151- 2- A4 | |
| Oil Pressure Sender | 9D290 | Lower LH front of engine, above oil filter | C1001 | 151- 5- F6 | |
| Oil Pressure Switch | 9278 | LH rear of engine, below valve cover | C1002 | 151- 3- A5 | |
| PRNDL Illumination | 15A808 | Center console, near gearshift lever | C320 | 151-10- E1 | |
| Park Brake Switch | 15852 | Below rear of center console, on RH rear of park brake lever assembly | C2006 | 151-10- F6 | |
| Power Mirror Switch | 17B676 | On center console | C350 | 151- 9- D1 | 150-15 |
| Power Steering Pressure Switch | 3N824 | Lower LH side of engine, near power steering pump | C1003 | 151- 1- F7 | |
| Premium Sound Amplifier | 18B849 | Below front of center console | C282,C283 | 151- 8- C1 | 150-15 |
| Primary Coil (RH) | 12029 | Top RH side of engine, right of valve cover | C1004 | 151- 2- C1 | |
| Radio (With Premium Sound) | 18806 | Center of I/P | C280,C281 | 151- 8- F3 | 150-18 |
| Radio (Without Premium Sound) | 18806 | Center of I/P | C257,C258 | 151- 8- F3 | 150-17 |
| Radio Noise Capacitor | 18801 | Top RH front of engine, near secondary coil (LH) | C1006 | 151- 2- F4 | |
| Raise Relay | 9345 | Behind top center of rear seat, LH side of convertible top motor | C415 | 151-14- F6 | 150-20 |

LOCATION INDEX 152-12

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|----------------------|--|------------------|------------------|-----------------------|
| Rear Courtesy Lamp Switch | 13713 | Center rear of hatchback | C416 | 151-12- D9 | |
| Rear Crash Sensor | 14B007 | In lower front of LH rear quarter panel | C309 | 151- 9- F3 | 150-20 |
| Rear Park/Stop Lamps | 13465 | Rear of car, on respective sides | C419,C424 | 151-11- C9 | |
| Rear Side Marker Lamps | 13465 | Rear of car, on respective sides | C420,C423 | 151-11- C9 | |
| Rear Turn Lamps | 13465 | Rear of car, on respective sides | C418,C422 | 151-11- C9 | |
| Rear Window Defrost Control Relay | 18C641 | Behind LH side of I/P, on RH side of fuse panel | C2007 | 151- 7- E9 | 150-20 |
| Rear Window Defrost Grid | 42006 | Inside rear window | | 151- 9- A8 | |
| Rear Window Defrost Switch | 13A350 | Top LH side of I/P, right of instrument cluster | C2020 | 151- 7- A7 | |
| Right Dash Speaker | 18808 | Behind top RH corner of I/P | C2024 | 151- 8- A2 | |
| Right Door Lock Motor | 218A42 | Rear of RH front door | C603 | 151-11- B9 | |
| Right Door Lock Switch | 14A265 | Center of RH front door, on armrest | C606 | 151-11- A8 | 150- 2 |
| Right Door Speaker | 18808 | Lower front of RH front door | C607 | 151-10- A5 | |
| Right Forward Crash Sensor (2.3L) | 14B004 | RH side of upper radiator support, behind headlamp | C176 | 151- 2- F3 | |
| Right Forward Crash Sensor (5.0L) | 14B004 | RH side of upper radiator support, behind headlamp | C176 | 151- 5- F2 | |
| Right Front Courtesy Lamp Switch | 13713 | In front of RH front door jamb | C296 | 151- 6-C10 | |
| Right Front Window Motor | 23394 | In lower front of RH front door | C604 | 151-11- B9 | |
| Right Heated Exhaust Gas Oxygen (HEGO) Sensor | 9F472 | Lower RH rear of engine, in exhaust manifold | C1005 | 151- 5- A4 | |
| Right Power Lumbar Compressor Motor | 65530 | Under LH side of RH front seat | C308 | 151-10- B9 | |
| Right Power Lumbar Seat Switch | 14C715 | On RH side of RH front seat | C322 | 151-10- B9 | |
| Right Power Mirror | 17682 | Top front of RH front door | C608 | 151-11- A5 | |
| Right Rear Speaker (2 Door) | 18971 | RH side of rear package tray | C324 | 151-10- D9 | |
| Right Rear Speaker (3 Door) | 18932 | RH front of cargo area | C324 | 151-12- A8 | |
| Right Rear Speaker (Convertible) | 18971 | Front of RH rear quarter panel, in trim panel | C324 | 151-14- B9 | |
| Right Rear Window Motor | 23394 | In front of RH rear quarter panel | C312 | 151-14- A9 | |
| Right Vanity Mirror Lamp | 17A679 | At RH vanity mirror | C916 | 151- 9- A2 | |
| Right Window/Door Lock Control Switch | 14A265 | Center of RH front door, on armrest | C602 | 151-11- A6 | 150-25 |

152-13 LOCATION INDEX

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|--|----------------------|---|------------------|------------------|-----------------------|
| SPOUT Check Connector C1009 (2.3L) | 14A464 | Top LH front of engine, near distributorless ignition system (DIS) module | C1009 | 151- 2- | A6 |
| SPOUT Check Connector C1009 (5.0L) | 14A464 | LH front of engine, taped to engine harness, near distributor | C1009 | 151- 4- | F5 |
| Seat Belt Switch | 10B924 | Inside LH front seat belt buckle assembly | C315 | 151-15- | F5 |
| Secondary Coil (LH) | 12029 | Top RH front of engine, right of valve cover | C1007 | 151- 2- | E1 |
| Shift Lock Actuator | 3F719 | Top RH side of steering column, near ignition switch | C2008 | 151- 8- | A7 |
| Speed Control Amplifier | 9D843 | Behind LH side of I/P, near top of cowl panel | C214,C215 | 151- 7- | F7 150-21 |
| Speed Control Servo (2.3L) | 9C735 | In rear of LH front fender | C1008 | 151- 3- | A9 150-22 |
| Speed Control Servo (5.0L) | 9C735 | In rear of LH front fender | C1008 | 151- 4- | A9 150-22 |
| Starter Motor/Solenoid (2.3L) | 11001 | Lower RH rear of engine | | 151- 3- | A4 |
| Starter Motor/Solenoid (5.0L) | 11001 | Lower RH rear of engine | | 151- 4- | C1 |
| Starter Relay (2.3L) | 11450 | Front of LH fender apron | | 151- 3- | C9 |
| Starter Relay (5.0L) | 11450 | Front of LH fender apron | | 151- 4- | C9 |
| Steering Column Air Bag | 043B13 | In center of steering wheel | C2009 | 151- 6- | F6 |
| Steering Wheel Control Switch | 9C888 | Center of steering wheel | C2018 | 151- 6- | A5 |
| Stop Lamp Switch | 13480 | Behind LH side of I/P, on brake pedal support | C2011 | 151- 7- | F4 |
| TFI Ignition Module | 12A297 | Center front of engine, on LH side of distributor | C1012 | 151- 4- | F4 150-22 |
| Tach Service Connector | 14A624 | LH front of engine, near distributorless ignition system (DIS) module | C1011 | 151- 2- | A6 |
| Thermactor Air Bypass (TAB) Solenoid | 95448 | RH rear of engine compartment, on rear of strut tower | C1013 | 151- 5- | B1 |
| Thermactor Air Diverter (TAD) Solenoid | 95448 | RH rear of engine compartment, on rear of strut tower | C1014 | 151- 5- | A1 |
| Throttle Position Sensor (2.3L) | 9B989 | Top rear of engine, on throttle body | C1031 | 151- 1- | A5 |
| Throttle Position Sensor (5.0L) | 9B989 | Top RH side of engine, on rear of throttle body | C1015 | 151- 5- | A3 |

LOCATION INDEX 152-14

| <u>Component</u> | <u>Base Part No.</u> | <u>Location</u> | <u>Connector</u> | <u>Page Zone</u> | <u>Connector Page</u> |
|---|----------------------|--|------------------|------------------|-----------------------|
| Trunk Lid Release Solenoid (2 Door) | 14030 | Center rear of trunk lid, near latch assembly | C417 | 151- 9- C9 | |
| Trunk Lid Release Solenoid (Convertible) | 14030 | Center rear of trunk lid, near latch assembly | C417 | 151-14- D9 | |
| Trunk Lid/Hatchback Release Switch | 19B514 | RH side of I/P, in glove box | C2019 | 151- 7- A1 | |
| Turn Signal Flasher | 13350 | Behind RH center of I/P | C2012 | 151- 7- F3 | |
| VIP Test Connector C198 (2.3L) | 14489 | LH rear of engine compartment, mounted on rear of strut tower | C198 | 151- 2- A9 | 150-22 |
| VIP Test Connector C198 (5.0L) | 14489 | LH rear of engine compartment, mounted on rear of strut tower | C198 | 151- 5- B9 | 150-22 |
| VIP Test Connector C199 (2.3L) | 14489 | LH rear of engine compartment, mounted on rear of strut tower | C199 | 151- 2- A9 | 150-22 |
| VIP Test Connector C199 (5.0L) | 14489 | LH rear of engine compartment, mounted on rear of strut tower | C199 | 151- 5- B9 | 150-22 |
| Vehicle Speed Sensor (VSS) | 9E731 | LH rear of transmission | C1016 | 151-11- B1 | |
| WOT Cutout Relay | 14N089 | RH side of engine compartment, on lower front of wheel well | C1020 | 151- 5- D1 | 150-26 |
| Warning Chime Module | 10D840 | Behind center of I/P, RH side of radio | C2013 | 151- 7- D1 | 150-23 |
| Window Safety Relay | 9345 | Behind top of LH cowl panel | C2014 | 151- 6- B1 | 150-23 |
| Windshield Washer Pump Motor (2.3L) | 17B613 | In front of LH fender, in windshield washer fluid reservoir | C1018 | 151- 2-D10 | |
| Windshield Washer Pump Motor (5.0L) | 17B613 | In front of LH fender, in windshield washer fluid reservoir | C1018 | 151- 5-D10 | |
| Windshield Washer Pump Test Connector C1019 (2.3L) | 14489 | Lower LH side of engine compartment, taped to main harness | C1019 | 151- 2-C10 | |
| Windshield Washer Pump Test Connector C1019 (5.0L) | 14489 | Lower LH side of engine compartment, taped to main harness | C1019 | 151- 5-C10 | |
| Windshield Wiper Motor (2.3L) | 17504 | Top LH side of safety wall, RH side of hood hinge | C151,C152 | 151- 2- A7 | 150-26 |
| Windshield Wiper Motor (5.0L) | 17504 | Top LH side of safety wall, RH side of hood hinge | C151,C152 | 151- 4- A7 | 150-26 |

152-15 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|---|----------------------|---------------------------|--------------|-----------------|
| C100 | Lower LH front of engine compartment | 151- 4- F9 | | BK | 2 |
| C101 (2.3L) | LH rear side of engine, rear of intake manifold | 151- 1- C9 | | BK | 8 |
| C101 (5.0L) | RH side of engine compartment, lower front of wheel well | 151- 1- C9 | | BK | 8 |
| C102 | LH rear corner of engine compartment | 151- 3- A9 | | GY | 2 |
| C104 | LH rear of engine, rear of intake manifold | 151- 1- B9 | | BK | 8 |
| C105 | LH rear of engine, rear of intake manifold | 151- 1- D9 | | N | 8 |
| C106 (Automatic) | LH rear of transmission | 151- 11- B1 | | GY | 4 |
| C106 (Manual) | LH side of transmission | 151- 11- B1 | | GY | 4 |
| C107 (2.3L) | LH side of engine compartment, on lower front of wheel well | 151- 1- F8 | | BL | 2 |
| C107 (5.0L) | LH side of engine compartment, on lower front of wheel well | 151- 4- C9 | | BL | 2 |
| C108 (2.3L) | LH side of engine compartment, on lower front of wheel well | 151- 1- F8 | | BK | 8 |
| C108 (5.0L) | LH side of engine compartment, on lower front of wheel well | 151- 4- D9 | | BK | 8 |
| C110 (2.3L) | LH rear of engine compartment, left of brake fluid reservoir | 151- 2- A8 | | BR | 8 |
| C110 (5.0L) | LH rear of engine compartment, left of brake fluid reservoir | 151- 5-B10 | | BR | 8 |
| C111 | LH side of engine, near bottom of intake manifold, to crankshaft position sensor | 151- 1- F6 | 150- 2 | GY | 1 |
| C112 | LH side of engine, near bottom of intake manifold, to crankshaft position sensor | 151- 1- F6 | 150- 2 | GY | 4 |
| C113 (2.3L) | LH front of engine compartment, behind battery | 151- 2- D9 | | BK | 1 |
| C113 (5.0L) | LH front of engine compartment, behind battery | 151- 5-D10 | | BK | 1 |
| C117 | LH front of manual transmission, on neutral gear switch (NGS) | 151- 11- B1 | | BK | 2 |
| C118 | Top RH rear of engine, on rear of intake manifold | 151- 4- A4 | | BK | 10 |
| C119 | Top RH rear side of engine, on rear of intake manifold | 151- 4- A4 | | GY | 10 |
| C151 (2.3L) | Top LH side of safety wall, on windshield wiper motor | 151- 2- A7 | 150-26 | GY | 3 |
| C151 (5.0L) | Top LH side of safety wall, on windshield wiper motor | 151- 4- A7 | 150-26 | GY | 3 |
| C152 (2.3L) | Top LH side of safety wall, on windshield wiper motor | 151- 2- A7 | 150-26 | BK | 3 |
| C152 (5.0L) | Top LH side of safety wall, on windshield wiper motor | 151- 4- A7 | 150-26 | BK | 3 |
| C153 (2.3L) | Top LH front of engine, on integral alternator regulator (IAR) | 151- 3- F5 | 150-12 | BK | 3 |
| C153 (5.0L) | RH front of engine, on integral alternator regulator (IAR) | 151- 4- F3 | 150-12 | BK | 3 |
| C154 (2.3L) | Top LH front of engine, on integral alternator regulator (IAR) | 151- 3- F5 | 150-12 | BK | 3 |
| C154 (5.0L) | RH front of engine, on integral alternator regulator (IAR) | 151- 4- F3 | 150-12 | BK | 3 |
| | (DIS) module | 151- 2- A2 | 150- 3 | GY | 6 |

LOCATION INDEX 152-16

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|---|----------------------|---------------------------|--------------|-----------------|
| C155 | Top LH front of engine, on distributorless ignition system (DIS) module | 151- 2- A2 | .. 150- 3 | GY | 6 |
| C156 | LH front of engine, on distributorless ignition system (DIS) module | 151- 2- A2 | .. 150- 3 | GY | 6 |
| C157 | Under center of car, on A4LD transmission | 151- 2- A5 | | BK | 3 |
| C158 | Underside of engine compartment hood, on engine compartment lamp | 151- 5- A9 | | GY | 2 |
| C159 (2.3L) | Lower RH front of engine, on A/C clutch field coil | 151- 3- D1 | | BK | 2 |
| C159 (5.0L) | Top LH front of engine, on A/C clutch field coil | 151- 4- F5 | | BK | 2 |
| C160 (2.3L) | RH side of engine compartment, on air charge temperature (ACT) sensor | 151- 1- E1 | | BK | 2 |
| C160 (5.0L) | Top LH front of engine, on air charge temperature (ACT) sensor | 151- 4- F8 | | BK | 2 |
| C161 | LH side of manual transmission, on backup lamp switch | * | | BK | 2 |
| C162 | LH side of automatic transmission, on backup/neutral safety switch | * | | BK | 4 |
| C163 (2.3L) | Top center of safety wall, on barometric absolute pressure (BAP) sensor | 151- 1- A6 | | BK | 3 |
| C163 (5.0L) | Top center of safety wall, on barometric absolute pressure (BAP) sensor | 151- 4- A5 | | BK | 3 |
| C164 (2.3L) | LH rear of engine compartment, on brake fluid level switch | 151- 3- B9 | | GY | 3 |
| C164 (5.0L) | LH rear of engine compartment, on brake fluid level switch | 151- 5- A8 | | GY | 3 |
| C165 | Lower RH front of engine, to canister purge solenoid | 151- 5- F5 | | BK | 2 |
| C166 (2.3L) | RH side of engine compartment, to center line crash sensor | 151- 2- D1 | | | 2 |
| C166 (5.0L) | RH side of engine compartment, to center line crash sensor | 151- 5- A1 | | | 2 |
| C167 (2.3L) | RH rear corner of engine compartment, on clutch cycling pressure switch | 151- 3- A2 | | GY | 3 |
| C167 (5.0L) | RH rear corner of engine compartment, on clutch cycling pressure switch | 151- 4- A2 | | GY | 3 |
| C168 (2.3L) | LH rear of engine, on coolant temperature sender | 151- 3- A6 | | BK | 1 |
| C168 (5.0L) | Top LH front of engine, on coolant temperature sender | 151- 4- A5 | | BK | 1 |
| C170 (2.3L) | In front of LH front fender, on daytime running lamps (DRL) module or DRL shorting connector | 151- 3- E9 | .. 150- 2 | BK | 8 |

* No Figure Available

152-17 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page</u> <u>Zone</u> | <u>Connector</u> <u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|--|----------------------------|---------------------------------|--------------|-----------------|
| C170 (5.0L) | In front of LH front fender, on daytime running lamps (DRL) module or DRL shorting connector | 151- 4- E9 | 150- 2 | BK | 8 |
| C171 (2.3L) | RH rear of engine compartment, on EGR vacuum regulator solenoid | 151- 1- B1 | | BK | 2 |
| C171 (5.0L) | RH rear of engine compartment, on EGR vacuum regulator solenoid | 151- 5- A2 | | BK | 2 |
| C172 (2.3L) | Top LH rear of engine, on EGR valve position sensor | 151- 1- A8 | | BK | 4 |
| C172 (5.0L) | Top RH rear of engine, on EGR valve position sensor | 151- 4- A3 | | BK | 4 |
| C173 | Center front of engine compartment, on electric cooling fan | 151- 3- F4 | | BK | 2 |
| C174 (2.3L) | RH rear of engine, on engine coolant temperature (ECT) sensor | 151- 1- A3 | | BR | 2 |
| C174 (5.0L) | Top RH front of engine, on engine coolant temperature (ECT) sensor | 151- 4- E1 | | BR | 2 |
| C176 (2.3L) | RH side of engine compartment, to right forward crash sensor | 151- 2- D1 | | N | 2 |
| C176 (5.0L) | RH side of engine compartment, to right forward crash sensor | 151- 5- C1 | | N | 2 |
| C177 (2.3L) | LH side of engine compartment, to left forward crash sensor | 151- 2- A9 | | N | 2 |
| C177 (5.0L) | LH side of engine compartment, to left forward crash sensor | 151- 5-C10 | | N | 2 |
| C178 (2.3L) | Top of engine, on fuel injector No. 1 | 151- 1- F4 | | BK | 2 |
| C178 (5.0L) | Top of engine, on fuel injector No. 1 | 151- 4- B9 | | BK | 2 |
| C179 (2.3L) | Top of engine, on fuel injector No. 2 | 151- 1- F4 | | BK | 2 |
| C179 (5.0L) | Top of engine, on fuel injector No. 2 | 151- 4- B9 | | BK | 2 |
| C180 (2.3L) | Top of engine, on fuel injector No. 3 | 151- 1- F4 | | BK | 2 |
| C180 (5.0L) | Top of engine, on fuel injector No. 3 | 151- 4- B9 | | BK | 2 |
| C181 (2.3L) | Top of engine, on fuel injector No. 4 | 151- 1- F4 | | BK | 2 |
| C181 (5.0L) | Top of engine, on fuel injector No. 4 | 151- 4- B9 | | BK | 2 |
| C182 | Top of engine, on fuel injector No. 5 | 151- 4- B9 | | BK | 2 |
| C183 | Top of engine, on fuel injector No. 6 | 151- 4- B9 | | BK | 2 |
| C184 | Top of engine, on fuel injector No. 7 | 151- 4- B9 | | BK | 2 |
| C185 | Top of engine, on fuel injector No. 8 | 151- 4- B9 | | BK | 2 |
| C186 | Lower RH rear of engine, near heated exhaust gas oxygen (HEGO) sensor | 151- 1- A3 | | N | 4 |
| C187 | Behind RH center of I/P, on horn relay | 151- 7- A3 | 150- 9 | BR | 5 |
| C188 (2.3L) | In front of LH fender, on high pitch horn | 151- 2- E9 | | BK | 1 |
| C188 (5.0L) | In front of LH fender, on high pitch horn | 151- 5-E10 | | BK | 1 |
| C189 (2.3L) | In front of LH fender, on low pitch horn | 151- 2- E9 | | BK | 1 |

LOCATION INDEX 152-18

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|--------------------------------|---|----------------------|---------------------------|--------------|-----------------|
| C189 (5.0L) | In front of LH fender, on low pitch horn | 151- 5-D10 | | BK | 1 |
| C190 (2.3L) | Top rear of engine, on idle air bypass valve | 151- 1- A5 | | BK | 2 |
| C190 (5.0L) | Top RH side of engine, on idle air bypass valve | 151- 4- C1 | | BK | 2 |
| C191 | LH side of engine compartment, on ignition coil | 151- 5-B10 | | GY | 3 |
| C192 | Mounted on side of RH front strut tower, on integrated relay control module | 151- 3- A1 | .. 150-11 | | 24 |
| C193 | Lower LH rear of engine, near left heated exhaust gas oxygen (HEGO) sensor | 151- 5- A7 | | BK | 4 |
| C194 | LH front of engine compartment, on low coolant switch | 151- 4- F9 | | BK | 3 |
| C195 | Lower LH rear of engine, on low oil level sensor | 151- 5- A6 | | N | 1 |
| C196 | Behind LH side of I/P, on low oil warning relay | 151- 8- D9 | .. 150-13 | GY | 5 |
| C197 (2.3L) | RH side of engine compartment, on mass air flow (MAF) sensor | 151- 1- D1 | | BK | 4 |
| C197 (5.0L) | RH side of engine compartment, on mass air flow (MAF) sensor | 151- 4- D1 | | BK | 4 |
| C198 VIP Test Connector (2.3L) | LH rear of engine compartment, mounted on rear of strut tower | 151- 2- A9 | .. 150-22 | GY | 6 |
| C198 VIP Test Connector (5.0L) | LH rear of engine compartment, mounted on rear of strut tower | 151- 5-B10 | .. 150-22 | GY | 6 |
| C199 VIP Test Connector (2.3L) | LH rear of engine compartment, mounted on rear of strut tower | 151- 2- A9 | .. 150-22 | GY | 1 |
| C199 VIP Test Connector (5.0L) | LH rear of engine compartment, mounted on rear of strut tower | 151- 5-B10 | .. 150-22 | GY | 1 |
| C203 | Behind LH cowl panel | 151- 6- E1 | | BK | 12 |
| C204 | Behind LH cowl panel, taped to main harness | 151- 6- C1 | | GY | 2 |
| C205 | Behind RH cowl panel, near electronic engine control (EEC) module | 151- 6-B10 | | GY | 2 |
| C206 | Behind LH side of I/P, on rear of fuse panel | 151- 7- F8 | | W | 1 |
| C207 | Behind LH cowl panel | 151- 6- D1 | | GY | 12 |
| C212 | Behind LH cowl panel | 151- 6- D1 | | BK | 8 |
| C213 | Behind RH cowl panel, below electronic engine control (EEC) module | 151- 6-C10 | | GR | 8 |
| C214 | Behind LH side of I/P, on speed control amplifier | 151- 7- F7 | .. 150-21 | | 6 |
| C215 | Behind LH side of I/P, on speed control amplifier | 151- 7- F7 | .. 150-21 | GY | 6 |
| C216 | Behind RH cowl panel, below electronic engine control (EEC) module | 151- 6-C10 | | GY | 8 |
| C217 | Behind LH cowl panel | 151- 6- F2 | | GY | 8 |
| C221 | Behind LH cowl panel | 151- 6- F3 | | GY | 8 |
| C222 | Behind RH cowl panel, above grommet | 151- 6- A7 | | GY | 8 |
| C224 | Behind LH cowl panel | 151- 6- F4 | | BL | 6 |

152-19 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------------------|--|----------------------|---------------------------|--------------|-----------------|
| C225 | Behind LH cowl panel | 151- 6- F3 | | BK | 4 |
| C227 | Behind LH cowl panel | 151- 6- A2 | | GY | 2 |
| C228 | Behind RH cowl panel, below grommet | 151- 6-B10 | | GY | 2 |
| C229 | Behind LH cowl panel | 151- 6- A4 | | GY | 8 |
| C230 | Behind LH cowl panel | 151- 6- A4 | | BK | 4 |
| C231 | Behind RH cowl panel | 151- 6-B10 | | BK | 4 |
| C250 | Behind top LH side of I/P, on instrument cluster | 151- 8- A9 | 150-10 | GY | 14 |
| C251 | Behind top LH side of I/P, on instrument cluster | 151- 8- A6 | 150-10 | BR | 14 |
| C257 (With Premium Sound) | Behind center of I/P, near RH side of radio | 151- 8- A3 | | BK | 8 |
| C257 (Without Premium Sound) | Behind center of I/P, on rear of radio | 151- 8- F3 | 150-17 | BK | 8 |
| C258 (With Premium Sound) | Behind center of I/P, near RH side of radio | 151- 8- A5 | | BK | 8 |
| C258 (Without Premium Sound) | Behind center of I/P, on rear of radio | 151- 8- F5 | 150-17 | BK | 8 |
| C268 | Inside top of steering column, on multi-function switch | 151- 8- A8 | 150-14 | GY | 4 |
| C269 | Inside top of steering column, on multi-function switch | 151- 8- A8 | 150-14 | GY | 10 |
| C270 | Inside top of steering column, on multi-function switch | 151- 8- A8 | 150-14 | GY | 9 |
| C276 | Behind lower center of I/P, on air bag diagnostic module | 151- 8- E1 | 150- 1 | | 12 |
| C277 | Behind lower center of I/P, on air bag diagnostic module | 151- 8- D1 | 150- 1 | | 12 |
| C280 | Behind center of I/P, on rear of radio | 151- 8- F3 | 150-18 | BK | 8 |
| C281 | Behind center of I/P, on rear of radio | 151- 8- F5 | 150-18 | BK | 8 |
| C282 | Below front of center console, on premium sound amplifier | 151- 8- C1 | 150-15 | GR | 8 |
| C283 | Below front of center console, on premium sound amplifier | 151- 8- C1 | 150-16 | GY | 8 |
| C285 (With A/C) | Behind center of I/P, on A/C-heater control assembly | 151- 7- F2 | | W | 4 |
| C285 (Without A/C) | Behind center of I/P, on heater control assembly | 151- 7- F2 | | W | 4 |
| C286 | Behind RH side of I/P, near blower motor | 151- 7- B1 | | BK | 2 |
| C287 | Behind RH side of I/P, on blower motor resistor assembly | 151- 7- C1 | | W | 4 |
| C288 | Behind LH side of I/P, on clutch interrupt switch | 151- 7- A5 | | BK | 2 |
| C290 | Behind LH side of I/P, on clutch engage switch (CES) | 151- 7- A6 | | N | 2 |
| C291 | Behind LH side of I/P, on clutch switch or clutch switch jumper | 151- 7- F4 | | GY | 2 |
| C293 | Behind RH cowl panel, on EEC power relay | 151- 6- A6 | 150- 4 | BR | 5 |
| C294 (2.3L) | Behind RH cowl panel, on electronic engine control (EEC) module | 151- 6- F7 | 150- 5 | GY | 60 |

LOCATION INDEX 152-20

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|--------------------|---|----------------------|---------------------------|--------------|-----------------|
| C294 (5.0L) | Behind RH cowl panel, on electronic engine control (EEC) module | 151- 6- F7 | .. 150- 7 | GY | 60 |
| C296 | In front of RH front door jamb, on right front courtesy lamp switch | 151- 6-C10 | | BK | 3 |
| C297 | In front of LH front door jamb, on left front courtesy lamp switch | 151- 6- F5 | | BK | 3 |
| C298 | Behind top LH side of I/P, on fog lamp switch | 151- 7- B9 | | N | 2 |
| C299 | Behind top LH side of I/P, on hazard warning switch | 151- 7- A6 | .. 150- 9 | GY | 8 |
| C300 | Below LH front seat | 151- 10- F5 | | GY | 2 |
| C301 | Below RH front seat | 151- 12- A5 | | GY | 2 |
| C302 | Under LH side of LH front seat, on driver's seat control switch | 151- 11- F4 | | | 6 |
| C303 | Below center console | 151- 10- A4 | | GY | 3 |
| C304 | Below LH front seat | 151- 11- A4 | | | 2 |
| C305 | Under LH front seat, on driver's seat motor assembly | 151- 11- F6 | | | 4 |
| C307 | Under RH side of LH front seat, on left power lumbar compressor motor | 151- 10- F4 | | BK | 2 |
| C308 | Under LH side of RH front seat, on right power lumbar compressor motor | 151- 12- A7 | | BK | 2 |
| C309 | In lower front of LH rear quarter panel, near rear crash sensor | 151- 12- F5 | .. 150-20 | N | 8 |
| C311 | In front of LH rear quarter panel, near left rear window motor | 151- 14- F4 | | GY | 2 |
| C312 | In front of RH rear quarter panel, near right rear window motor | 151- 14- A9 | | GY | 2 |
| C315 | Below RH side of LH front seat, near seat belt switch | 151- 10- A4 | | GY | 2 |
| C319 | Below center console, on ashtray illumination | 151- 10- A2 | | BK | 2 |
| C320 | Below center console, on PRNDL illumination | 151- 10- E1 | | GY | 2 |
| C321 (2 Door) | LH side of trunk, above rear of wheel well, to hi mount stop lamp | 151- 10- F7 | | GY | 2 |
| C321 (3 Door) | LH side of cargo area | 151- 13- F5 | | GY | 2 |
| C322 | On RH side of RH front seat, on right power lumbar seat switch | 151- 10- B9 | | GY | 2 |
| C323 | On LH side of LH front seat, on left power lumbar seat switch | 151- 10- F2 | | GY | 2 |
| C324 (2 Door) | RH side of rear package tray, on right rear speaker | 151- 10- D9 | | GY | 2 |
| C324 (3 Door) | RH front of cargo area, on right rear speaker | 151- 12- A8 | | GY | 2 |
| C324 (Convertible) | In front of RH rear quarter panel, on right rear speaker | 151- 14- B9 | | GY | 2 |

152-21 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|--------------------|--|------------------|-----------------------|--------------|-----------------|
| C325 (2 Door) | LH side of rear package tray, on left rear speaker | 151- 10- F8 | | GY | 2 |
| C325 (3 Door) | LH front of cargo area, on left rear speaker | 151- 12- F6 | | GY | 2 |
| C325 (Convertible) | In front of LH rear quarter panel, on left rear speaker | 151- 14- F5 | | GY | 2 |
| C350 | Below center console, on power mirror switch | 151- 9- D1 | ... 150-15 | GY | 8 |
| C400 | Below rear of car, above fuel tank | 151- 9- B9 | | BR | 4 |
| C401 | LH rear corner of hatchback | 151- 12- F7 | | GY | 3 |
| C403 (2 Door) | LH side of trunk, above rear of wheel well | 151- 9- F9 | | GY | 3 |
| C403 (3 Door) | LH side of cargo area, above rear of wheel well | 151- 13- F6 | | GY | 3 |
| C403 (Convertible) | LH front of trunk, above wheel well | 151- 15- F7 | | GY | 3 |
| C405 (2 Door) | LH side of trunk, above rear of wheel well | 151- 9- F8 | | | 3 |
| C405 (3 Door) | LH side of cargo area, above rear of wheel well | 151- 13- F6 | | | 3 |
| C405 (Convertible) | LH front of trunk, above wheel well | 151- 15- F6 | | GY | 1 |
| C406 (2 Door) | LH side of trunk, above rear of wheel well | 151- 9- F6 | | BR | 1 |
| C406 (3 Door) | LH side of cargo area, above rear of wheel well | 151- 12- F9 | | BR | 1 |
| C407 | LH rear corner of hatchback | 151- 12- F7 | | BR | 1 |
| C408 | LH rear corner of hatchback | 151- 12- F7 | | | 3 |
| C409 | Behind top center of rear seat, near convertible top motor | 151- 14- F7 | | BK | 2 |
| C410 | Below rear of car, on fuel gauge sender | 151- 14- C9 | | GY | 2 |
| C411 | Below rear of car, on fuel pump | 151- 12- E9 | | R | 2 |
| C412 | Center rear of hatchback, on hatchback release solenoid | 151- 12- C9 | | N | 2 |
| C413 | Lower LH center rear of trunk, on inertia switch | 151- 9- E9 | | GY | 3 |
| C414 | Behind top center of rear seat, on lower relay | 151- 14- F6 | ... 150-13 | GR | 5 |
| C415 | Behind top center of rear seat, on raise relay | 151- 14- F6 | ... 150-20 | GR | 5 |
| C416 | Center rear of hatchback, on rear courtesy lamp switch | 151- 12- D9 | | BK | 2 |
| C417 (2 Door) | In center rear of trunk lid, on trunk lid release solenoid | 151- 9- C9 | | GY | 1 |
| C417 (Convertible) | Center rear of trunk lid, on trunk lid release solenoid | 151- 14- D9 | | GY | 1 |
| C418 | LH rear of car, on left rear turn lamp | 151- 11- F9 | | BK | 2 |
| C419 | LH rear of car, on left rear park/stop lamp | 151- 11- F7 | | BK | 3 |
| C420 | LH rear of car, on left rear side marker lamp | 151- 11- F6 | | BK | 2 |
| C421 | LH rear of car, on left backup lamp | 151- 11- F8 | | BK | 2 |
| C422 | RH rear of car, on right rear turn lamp | 151- 11- D9 | | BK | 2 |
| C423 | RH rear of car, on right rear side marker lamp | 151- 11- C9 | | BK | 2 |

LOCATION INDEX 152-22

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|-------------------------------|--|----------------------|---------------------------|--------------|-----------------|
| C424 | RH rear of car, on right rear park/stop lamp | 151- 11- C9 | | BK | 3 |
| C425 | RH rear of car, on right backup lamp | 151- 11- D9 | | BK | 2 |
| C426 (2 Door And Convertible) | In center rear of trunk lid, on right license lamp | 151- 11- E9 | | BK | 2 |
| C426 (3 Door) | In center rear of hatchback, on right license lamp | 151- 13- E9 | | BK | 2 |
| C427 (2 Door And Convertible) | In center rear of trunk lid, on left license lamp | 151- 11- E9 | | BK | 2 |
| C427 (3 Door) | In center rear of hatchback, on left license lamp | 151- 13- F9 | | BK | 2 |
| C428 (2 Door) | In center rear of trunk lid, on luggage compartment lamp | 151- 9- D9 | | BK | 1 |
| C428 (Convertible) | LH rear of trunk lid, on luggage compartment lamp | 151- 14- F8 | | BK | 1 |
| C429 | Center rear of cargo area, on cargo lamp | 151- 12- D9 | | GY | 2 |
| C430 | In center of rear spoiler, near hi mount stop lamp | 151- 13- C9 | | GY | 2 |
| C431 | Center rear of trunk lid, to hi mount stop lamp | 151- 15- A8 | | GY | 2 |
| C502 | In center of LH front door, on master window/door lock control switch | 151- 11- D1 | .. 150-24 | BK | 16 |
| C503 | In rear of LH front door, on left door lock motor | 151- 11- E1 | | GY | 2 |
| C504 | In lower front of LH front door, near left front window motor | 151- 11- F3 | | GY | 2 |
| C505 | In center of LH front door, on master window/door lock control switch | 151- 15- C1 | .. 150-24 | BK | 16 |
| C508 | In front of LH front door, on left door speaker | 151- 10- D1 | | GY | 2 |
| C509 | Top front of LH front door, on left power mirror | 151- 11- C1 | | GY | 3 |
| C602 | In center of RH front door, on right window/door lock control switch | 151- 11- A6 | .. 150-25 | BK | 10 |
| C603 | In rear of RH front door, on right door lock motor | 151- 11- B4 | | GY | 2 |
| C604 | In lower front of RH front door, near right front window motor | 151- 11- B9 | | GY | 2 |
| C606 | In center of RH front door, near right door lock switch | 151- 11- A8 | .. 150- 2 | BR | 6 |
| C607 | In front of RH front door, on right door speaker | 151- 10- A5 | | GY | 2 |
| C608 | Top front of RH door, on right power mirror | 151- 11- A5 | | GY | 3 |
| C900 | Center of windshield header, on map lamp | 151- 15- A4 | | BK | 3 |
| C916 | At RH vanity mirror, on right vanity mirror lamp | 151- 9- A2 | | N | 1 |
| C917 | At LH vanity mirror, on left vanity mirror lamp | 151- 9- C1 | | N | 1 |
| C918 | Center of roof, on map lamp | 151- 9- A7 | | Y | 1 |
| C926 | Center of roof, on dome lamp | 151- 9- A5 | | GY | 1 |
| C927 | Center of windshield header, on dome lamp | 151- 9- A1 | | GY | 2 |

152-23 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|--|---|----------------------|---------------------------|--------------|-----------------|
| C1000 | RH rear of engine compartment, on octane adjust shorting bar | 151- 2- A4 | | BK | 2 |
| C1001 | Lower LH front of engine, on oil pressure sender | 151- 5- F6 | | BK | 1 |
| C1002 | LH rear of engine, on oil pressure switch | 151- 3- A5 | | BK | 1 |
| C1003 | Lower LH side of engine, on power steering pressure switch | 151- 1- F7 | | BK | 2 |
| C1004 | Top RH side of engine, on primary coil (RH) | 151- 2- C1 | | BK | 3 |
| C1005 | Lower RH rear of engine, near right heated exhaust gas oxygen (HEGO) sensor | 151- 5- C1 | | BK | 4 |
| C1006 | Top RH front of engine, near radio noise capacitor | 151- 2- E1 | | GY | 1 |
| C1007 | Top RH front of engine, on secondary coil (LH) | 151- 2- E1 | | BK | 3 |
| C1008 (2.3L) | In rear of LH front fender, on speed control servo | 151- 3- A9 | 150-22 | | 6 |
| C1008 (5.0L) | In rear of LH front fender, on speed control servo | 151- 4- A9 | 150-22 | | 6 |
| C1009 SPOUT Check Connector (2.3L) | Top LH front of engine, near distributorless ignition system (DIS) module | 151- 2- D9 | | BK | 2 |
| C1009 SPOUT Check Connector (5.0L) | LH front of engine, taped to engine harness, near distributor | 151- 4- F5 | | BK | 2 |
| C1011 Tach Service Connector | LH front of engine, near distributorless ignition system (DIS) module | 151- 2- A6 | | BK | 2 |
| C1012 | Center front of engine, on TFI ignition module | 151- 4- F4 | 150-22 | GY | 6 |
| C1013 | RH rear of engine compartment, on thermactor air bypass (TAB) solenoid | 151- 5- B1 | | BK | 2 |
| C1014 | RH rear of engine compartment, on thermactor air diverter (TAD) solenoid | 151- 5- A1 | | BK | 2 |
| C1015 | Top RH side of engine, near throttle position sensor | 151- 5- A4 | | BK | 3 |
| C1016 | LH rear of transmission, on vehicle speed sensor (VSS) | 151- 11- B1 | | W | 2 |
| C1018 (2.3L) | In front of LH fender, on windshield washer pump motor | 151- 2- D9 | | BK | 2 |
| C1018 (5.0L) | In front of LH fender, on windshield washer pump motor | 151- 5-D10 | | BK | 2 |
| C1019 Windshield Washer Pump Test Connector (2.3L) | Lower LH side of engine compartment, taped to main harness | 151- 2- B9 | | GY | 1 |
| C1019 Windshield Washer Pump Test Connector (5.0L) | Lower LH side of engine compartment, taped to main harness | 151- 5- C9 | | GY | 1 |
| C1020 | RH side of engine compartment, on WOT cutout relay | 151- 5- D1 | 150-26 | | 5 |
| C1021 | Lower LH front of car, on left fog lamp | 151- 5- F7 | | | 2 |
| C1022 | LH front of car, on left front side marker lamp | 151- 3- F9 | | BK | 2 |

LOCATION INDEX 152-24

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|---|----------------------|---------------------------|--------------|-----------------|
| C1023 | LH front of car, on left headlamp | 151- 3- F9 | | BK | 5 |
| C1024 | LH front of car, on left front park/turn lamp | 151- 3- F8 | | | 3 |
| C1025 | Lower RH front of car, on right fog lamp | 151- 5- F3 | | | 2 |
| C1026 | RH front of car, on right front side marker lamp | 151- 3- E1 | | BK | 2 |
| C1027 | RH front of car, on right headlamp | 151- 3- F2 | | BK | 5 |
| C1028 | RH front of car, on right front park/turn lamp | 151- 3- F3 | | | 3 |
| C1029 | LH front of engine compartment, near headlamp | 151- 5- F8 | | BK | 2 |
| C1030 | RH front of engine compartment, near headlamp | 151- 5- F3 | | BK | 2 |
| C1031 | Top rear of engine, on throttle position sensor | 151- 1- A5 | | BK | 3 |
| C1032 | RH side of engine compartment, on canister purge solenoid | 151- 1- C1 | | BK | 2 |
| C2001 | Top RH side of steering column, on ignition switch | 151- 7- A8 | .. 150- 9 | BK | 11 |
| C2002 | Behind LH side of I/P, on interval governor | 151- 8- F9 | | GY | 10 |
| C2004 | Behind RH center of I/P, on LCD illumination relay | 151- 7- A2 | .. 150-13 | GY | 5 |
| C2005 | Behind top LH side of I/P, on main light switch | 151- 7- B9 | .. 150-13 | GY | 6 |
| C2006 | Below rear of center console, on park brake switch | 151- 10- F6 | | N | 1 |
| C2007 | Behind LH side of I/P, on rear window defrost control relay | 151- 7- E9 | .. 150-20 | N | 5 |
| C2008 | Top RH side of steering column, on shift lock actuator | 151- 8- A7 | | | 3 |
| C2009 | In center of steering wheel, on steering column air bag | 151- 6- F6 | | | 2 |
| C2010 | Center of steering column, near clockspring/slip ring assembly | 151- 8- C9 | | GY | 3 |
| C2011 | Behind LH side of I/P, on stop lamp switch | 151- 7- F4 | | BK | 2 |
| C2012 | Behind center of I/P, on turn signal flasher | 151- 7- F3 | | BK | 2 |
| C2013 | Behind center of I/P, on warning chime module | 151- 7- D1 | .. 150-23 | W | 10 |
| C2014 | Behind top of LH cowl panel, on window safety relay | 151- 6- B1 | .. 150-23 | GR | 5 |
| C2015 | Behind center of I/P, on blower motor switch | 151- 7- A4 | | GY | 4 |
| C2016 | RH side of I/P, on glove box lamp | 151- 7- B1 | | BR | 2 |
| C2017 | Behind center of I/P, on A/C-heater control illumination | 151- 8- A3 | | BK | 2 |
| C2018 | Top LH side of steering column, near steering wheel control switch | 151- 7- D9 | | GY | 3 |
| C2019 | RH side of I/P, on trunk lid/hatchback release switch | 151- 7- A1 | | GY | 2 |
| C2020 | Behind top LH side of I/P, on rear window defrost switch | 151- 7- A7 | | GY | 4 |
| C2022 | Behind top LH side of I/P, on instrument panel dimming rheostat | 151- 8- C9 | | BK | 4 |
| C2023 | Top LH side of I/P, on convertible top switch | 151- 7- A7 | | GY | 4 |

152-25 LOCATION INDEX

| <u>Connector</u> | <u>Location</u> | <u>Page Zone</u> | <u>Connector Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|--|----------------------|---------------------------|--------------|-----------------|
| C2024 | Behind top RH corner of I/P, on right dash speaker | 151- 8- A2 | | GY | 2 |
| C2025 | Behind top LH corner of I/P, on left dash speaker | 151- 8- B9 | | GY | 2 |
| C2026 | Top RH side of steering column, near ignition key warning switch | 151- 7- A9 | | GY | 1 |
| C2027 | RH side of engine compartment, on fuel pump relay | 151- 9- F2 | 150- 4 | GR | 5 |
| C2030 | Behind center of I/P, near graphic equalizer | 151- 8- F7 | 150- 4 | GY | 12 |
| C2031 | Behind center of I/P, on rear of radio | 151- 8- F5 | 150-19 | | 8 |

| <u>Ground</u> | <u>Location</u> | <u>Page Zone</u> |
|---------------|---|----------------------|
| G100 (2.3L) | LH side of engine compartment, on front of wheel well | 151- 2- C9 |
| G100 (5.0L) | LH side of engine compartment, on front of wheel well | 151- 5-D10 |
| G102 (2.3L) | Top front of LH fender apron | 151- 3- F7 |
| G102 (5.0L) | Top front of LH fender apron | 151- 5-E10 |
| G103 (2.3L) | Top front of RH fender apron | 151- 3- E1 |
| G103 (5.0L) | Top front of RH fender apron | 151- 5- E1 |
| G104 (2.3L) | Front of LH fender apron, near windshield washer fluid reservoir | 151- 2- D9 |
| G104 (5.0L) | Front of LH fender apron, near windshield washer fluid reservoir | 151- 5-D10 |
| G105 (2.3L) | Lower LH front of engine, below integral alternator regulator (IAR) | 151- 2- F6 |
| G105 (5.0L) | Lower LH front of engine, below A/C compressor assembly | 151- 5- F6 |
| G106 | LH side of engine compartment, on front of wheel well | 151- 2- C9 |
| G109 | RH rear of engine, below valve cover | 151- 5- A5 |
| G200 | Behind center of I/P, on I/P support brace | 151- 7- F5 |
| G201 | Behind RH cowl panel, below electronic engine control (EEC) module | 151- 6-D10 |
| G202 | Behind center of I/P, on I/P support brace | 151- 6- A5 |
| G203 | Behind center of I/P, on I/P support brace | 151- 7- F5 |
| G300 | Below LH front seat | 151-10- F2 |
| G301 | Below rear of center console, on park brake assembly | 151-10- F6 |
| G302 (2 Door) | RH side of trunk, above wheel well | 151- 9- A9 |
| G302 (3 Door) | In RH side of hatchback, below rear window | 151-12- B9 |
| G304 | Behind top center of rear seat, RH side of convertible top motor | 151-14- B9 |

LOCATION INDEX 152-26

| <u>Ground</u> | <u>Location</u> | <u>Page</u> <u>Zone</u> |
|--------------------------|--|----------------------------|
| G400 (2 Door) | Center rear of trunk, LH side of latch striker | 151- 9- E9 |
| G400 (3 Door) | Center rear of cargo area | 151- 12- F9 |
| G400 (Convertible) | Center rear of trunk | 151- 14- E9 |
| G401 (2 Door) | LH side of trunk, above rear of wheel well | 151- 9- F7 |
| G401 (3 Door) | LH rear corner of hatchback | 151- 12- F8 |
| G401 (Convertible) | LH front of trunk, above wheel well | 151- 15- F6 |
| G402 | Lower LH side of cargo area, behind wheel well | 151- 13- F6 |
| G500 | In center of LH front door | 151- 15- D1 |
| G900 | Center of windshield header | 151- 9- B1 |

| <u>Splice</u> | <u>Location</u> |
|-------------------|--|
| S100 | Main harness, near T/O to G100 |
| S102 | Engine harness, near T/O to VIP test connectors C198 and C199 |
| S103 | Dash panel to headlamp junction harness, near T/O to left headlamp |
| S104 | Dash panel to headlamp junction harness, near T/O to G103 |
| S105 | Engine harness, at T/O to C113 |
| S106 | Engine harness, near T/O to fuse links G, H, and J |
| S107 | Engine control sensor extension harness, in T/O to C101 |
| S108 | Dash panel to headlamp junction harness, near T/O to G102 |
| S109 | Main harness, near T/O to windshield washer pump test connector C1019 |
| S110 | Fuel charge harness, near T/O to fuel injector No. 2 |
| S111 | Main harness, near T/O to windshield washer pump test connector C1019 |
| S112 | Engine harness, near T/O to barometric absolute pressure (BAP) sensor |
| S113 | Engine harness, near T/O to C101 |
| S114 | Engine control sensor extension harness, in T/O to C110 |
| S116 | Engine harness, near T/O to octane adjust shorting bar |
| S117 | Engine control sensor extension harness, near T/O to C101 |
| S118 | Dash panel to headlamp junction harness, near T/O to G102 |
| S119 (2.3L) | Engine harness, near T/O to clutch cycling pressure switch |
| S119 (5.0L) | Engine harness, near T/O to EEC power relay |
| S120 | Engine control sensor extension harness, near T/O to oil pressure switch |

152-27 LOCATION INDEX

| <u>Splice</u> | <u>Location</u> |
|--|--|
| S121 | Fuel charge harness, near T/O to EGR valve position sensor |
| S122 | Fuel charge harness, near T/O to fuel injector No. 4 |
| S123 (2.3L) | Engine harness, near T/O to barometric absolute pressure (BAP) sensor |
| S123 (5.0L) | Engine harness, near T/O to clutch cycling pressure switch |
| S124 | Engine harness, near T/O to C119 |
| S125 | Engine control sensor extension harness, near T/O to SPOUT check connector C1009 |
| S126 | Engine control sensor extension harness, in T/O to C101 |
| S127 | Main harness, near T/O to fuse link N |
| S128 | Fuel charge harness, near T/O to C119 |
| S129 | Main harness, near T/O to windshield washer pump test connector C1019 |
| S130 | Dash panel to headlamp junction harness, near T/O to G102 |
| S131 | Engine control sensor extension harness, near T/O to C105 |
| S132 | Engine harness, near T/O to VIP test connectors C198 and C199 |
| S133 | Dash panel to headlamp junction harness, near T/O to low coolant switch |
| S134 | Engine control sensor extension harness, near T/O to SPOUT check connector C1009 |
| S135 | Engine control sensor extension harness, near T/O to C1034 |
| S136 | Engine harness, near T/O to integrated control module |
| S137 | Engine harness, near T/O to integrated control module |
| S138 | Engine harness, near T/O to octane adjust shorting bar |
| S140 | Dash panel to headlamp junction harness, near T/O to integral alternator regulator (IAR) |
| S200 | Main harness, near T/O to fuse panel |
| S201 | Main harness, at T/O to low oil warning relay |
| S204 | Main harness, near T/O to fuse panel |
| S205 (With Graphic Equalizer) | Radio power booster and equalizer amplifier harness, near T/O to G203 |
| S205 (Without Graphic Equalizer) | Radio speaker jumper harness, near T/O to radio |
| S206 | Main harness, near T/O instrument cluster, connector C251 |
| S207 | Main harness, near T/O to fuse panel |
| S208 | Main harness, near T/O to C251 |
| S209 | Main harness, near T/O to ignition switch |
| S212 | Main harness, near T/O to fuse panel |
| S214 | Main harness, near T/O to blower motor switch |
| S215 | Main harness, near T/O to fuse panel |
| S216 | Main harness, near T/O to clutch interrupt switch |

| <u>Splice</u> | <u>Location</u> |
|---------------------------------------|---|
| S217 | Engine harness, near T/O to electronic engine control (EEC) module |
| S218 | Main harness, near T/O to low oil warning relay |
| S220 | Main harness, near T/O to C251 |
| S221 | Main harness, near T/O to blower motor resistor assembly |
| S222 | Main harness, near T/O to ignition switch |
| S223 | Main harness, near T/O to C251 |
| S224 | Window regulator relay switch harness, near T/O to C221 |
| S225 (2 And 3 Door) | Window regulator relay switch harness, near T/O to C221 |
| S225 (Convertible) | Window regulator relay switch harness, near T/O to C225 |
| S226 | Main harness, at T/O to low oil warning relay |
| S227 | Main harness, at T/O to low oil warning relay |
| S228 | Main harness, near T/O to C213 |
| S229 | Main harness, near T/O to blower motor resistor assembly |
| S230 (With Graphic Equalizer) | Radio power booster and equalizer amplifier harness, near T/O to G203 |
| S230 (Without Graphic Equalizer) | Radio speaker jumper harness, near T/O to radio |
| S231 | Window regulator left front harness, near T/O to C227 |
| S233 | Main harness, in T/O to fuse panel |
| S237 | Main harness, near T/O to C251 |
| S300 | Rear lamp harness, near T/O to G300 |
| S301 | Rear lamp harness, near T/O to convertible top motor |
| S302 | Seat switch and wire assembly, near T/O to C304 |
| S303 (With Moonroof) | Interior lamp harness, near T/O to dome lamp |
| S303 (Without Moonroof) | Interior lamp feed harness, near T/O to right vanity mirror lamp |
| S304 | Rear lamp harness, near T/O to G300 |
| S305 | Rear lamp harness, near T/O to C309 |
| S306 | Seat switch and wire assembly, near T/O to C304 |
| S400 | Rear lamp harness, near T/O to right backup lamp |
| S401 | Rear lamp harness, near T/O to left rear park/stop lamp |
| S402 (2 Door And Convertible) | Luggage compartment lamp harness, near T/O to left license lamp |
| S402 (3 Door) | Rear license lamp harness, near T/O to C401 |
| S403 | Rear lamp harness, near T/O to right rear turn lamp |
| S404 | Luggage compartment lamp harness, near T/O to left license lamp |
| S408 | Rear lamp harness, near T/O to C403 |

152-29 LOCATION INDEX

| <u>Splice</u> | <u>Location</u> |
|------------------------------------|--|
| S411 | Rear lamp harness, near T/O to left backup lamp |
| S412 | Rear lamp harness, near T/O to left rear park/stop lamp |
| S500 | Window regulator left front door harness, near T/O to master window/door lock control switch |
| S501 | Window regulator left front door harness, near T/O to master window/door lock control switch |
| S600 (With Power Windows) | Window regulator right front door harness, near T/O to right window/door lock control switch |
| S600 (Without Power Windows) | Right front door lock harness, near T/O to C606 |
| S601 (With Power Windows) | Window regulator right front door harness, near T/O to right window/door lock control switch |
| S601 (Without Power Windows) | Right front door lock harness, near T/O to C606 |

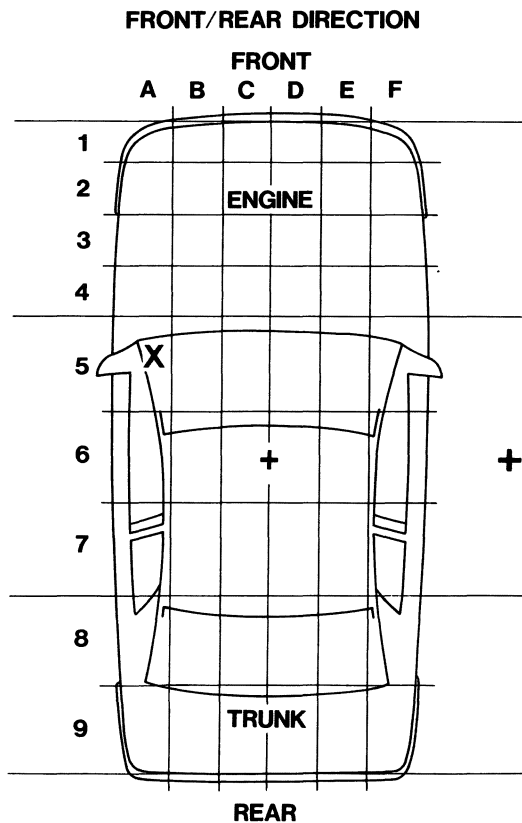
160-1 VEHICLE REPAIR LOCATION CODES

VEHICLE REPAIR LOCATION CODES

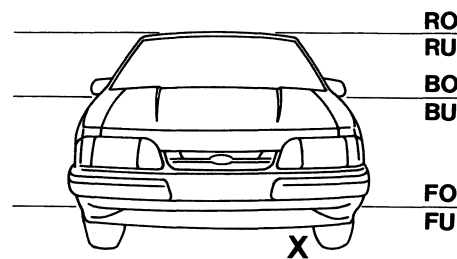
TO PINPOINT THE ACTUAL VEHICLE LOCATION OF A REPAIR, THE VEHICLE REPAIR LOCATION CODE IS REQUIRED.

FOR EXAMPLE, AN "X" HAS BEEN PLACED IN THE QUADRANT OF THE VEHICLE DIAGRAMS INDICATING THE LOCATION OF THE REPAIR. SEE DIAGRAMS.

LOCATION CODE, FOR THE EXAMPLE IS: A5/FU — (UNDER THE FLOOR OF DRIVER'S LEFT FOOT.)



OVER/UNDER DIRECTION

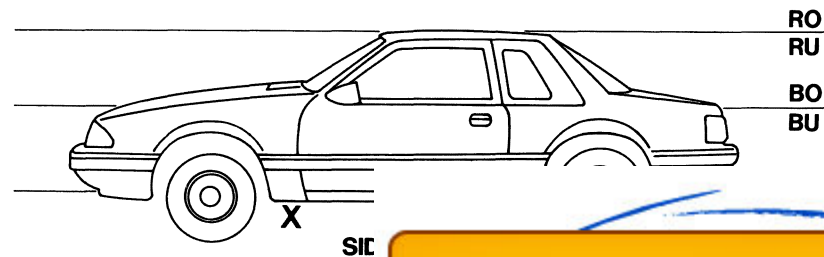


R = ROOF LINE
RO = ROOF OVER
RU = ROOF UNDER

B = BELT LINE
BO = BELT OVER
BU = BELT UNDER

F = FLOOR PAN
FO = FLOOR OVER
FU = FLOOR UNDER

+ CENTER OF VEHICLE



SIL

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