

## WIRING DIAGRAMS FCS-12206-99

### FORD CUSTOMER SERVICE DIVISION

### Quality is Job 1

Ford Customer Service Division has continued with the existing format for the 1999 Explorer/Mountaineer Wiring Diagrams. Our goal is to provide accurate and timely electrical service information.

### 1999 WIRING DIAGRAMS

- Schematic pages now contain **Component Location** references to full-view illustrations and **Component Descriptions** that describe the system function of a component.
- **“COMPONENT TESTING”** procedures (CELL 149) that tell the user how to perform diagnostic tests on various circuits.
- **Connector End Views** are now located at the end of individual cells and are shown for connectors with five or more cavities; a circuit function chart is provided.
- **NOTES, CAUTIONS and WARNINGS** contain important safety information.
- Full view **“COMPONENT LOCATION VIEWS”** (CELL 151) to help locate on-vehicle components.
- Circuit voltages have been added to schematic pages to help simplify troubleshooting. Nonessential troubleshooting hints have been deleted.
- **Cellular Pagination:** A specific section (or cell) in all Wiring Diagrams 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.
- **“IN-LINE CONNECTOR FACES”** (CELL 150) has been added for in-line connectors with six or more terminals, to aid in servicing electrical wiring.
- **“C”** numbers have been assigned for all electrical connectors. **“C”** numbers are listed in the **“LOCATION INDEX”** (CELL 152).
- **“HARNESS CAUSAL PART NUMBERS”** (CELL 153) has been added to aid in identifying warranty concerns.

### ORDERING INFORMATION

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:

- Workshop Manuals
- Service Specification Books
- Powertrain Control/Emissions Diagnosis Manuals

Helm Incorporated  
P.O. Box 07150  
Detroit, Michigan 48207

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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 to 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 the choice of methods, tools or parts does not compromise personal safety or the vehicle integrity.*

## NOTES 1-4

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 2-1 HOW TO USE THIS MANUAL

1999 EXPLORER/MOUNTAINEER

The purpose of this manual is to show electrical circuits in a clear and simple fashion to make troubleshooting easier. **NOTES**, **CAUTIONS** and **WARNINGS** contain important information.

- **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 no electrical connection to the Radio system, it is not shown on the Radio diagram.

Schematic pages contain references to full-view illustrations and description notes for various components. The references are reverse-text blocks located next to each component and connector and refer the user to the appropriate illustration page and zone. The description notes describe the operation of the component.

Schematic pages contain circuit voltages to help simplify troubleshooting hints. 12V is used to imply battery voltage on a component connector terminal, and 0V is used to show that there should be continuity to ground on that particular terminal. Conditional voltages such as "12V with the ignition switch in RUN" will also be provided. Troubleshooting hints that can't be simplified with circuit voltages will be shown at the end of each cell.

Component connector face information specific to a certain cell is found at the end of that cell. A Connector Face Reference List is provided to locate connector faces that are shown in different cells. Component connectors with five or more terminals are illustrated and are accompanied by a pinout chart that lists the function of all circuitry associated with that component.

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

**"IN-LINE CONNECTOR FACES"** (Cell 150) contains illustrations of all the in-line connectors that have 6 or more terminals. The terminals have pin numbers assigned to them.

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

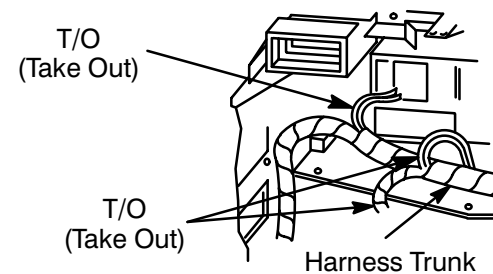
The **"LOCATION INDEX"** (Cell 152) provides the base part numbers, locations, connector face references and illustration references for all components, connectors, splices and grounds.

## HELPFUL REMINDERS

Before using the Wiring Diagrams for troubleshooting, refer to these HELPFUL REMINDERS:

1. The abbreviation T/O, for take out, used in the Location Index (Cell 152), refers to the point at which a group of wires branch off the harness trunk. Refer to the wiring harness illustration.

Wiring harness at back of Instrument Panel, showing typical T/O (Take Out) locations



2. If a connector serves the same purpose in two separate versions (e.g., Automatic/Manual), but is physically different, *two* connector numbers are used. However, if a connector serves the same purpose in two separate versions (e.g., Automatic/Manual) and is physically the same, but the wire colors 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 schematics provide a 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 as follows (standard Ford color abbreviations are used):

## COLOR ABBREVIATIONS

|    |             |    |         |
|----|-------------|----|---------|
| BU | Blue        | NA | Natural |
| BK | Black       | OG | Orange  |
| BN | Brown       | PK | Pink    |
| DB | Dark Blue   | VT | Purple  |
| DG | Dark Green  | RD | Red     |
| GN | Green       | SR | Silver  |
| GY | Gray        | TN | Tan     |
| LB | Light Blue  | WH | White   |
| LG | Light Green | YE | Yellow  |

**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 Customer 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 parking 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 when working on a vehicle.*
- *To avoid injury, always remove rings, watches, loose hanging jewelry and avoid wearing 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 Wiring Diagrams, narrow down the possible causes and locations of the concern to pinpoint the exact cause.
- Read the description notes at the components and study the wiring schematic. You should then know enough about the circuit operation to determine where to check for the trouble. Further information can be found by referring to the Service Manual pages listed in the box at the top of the page.

### Step 3. Test the suspected cause.

- Use electrical test procedures to find the specific cause of the symptoms.
- The component location reference bars and the pictures will help you find components. The Location Index (at the end of the manual) 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.

### 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.

## 2-3 HOW TO USE THIS MANUAL

1999 EXPLORER/MOUNTAINEER

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

### TROUBLESHOOTING TOOLS

#### JUMPER WIRE

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

#### 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

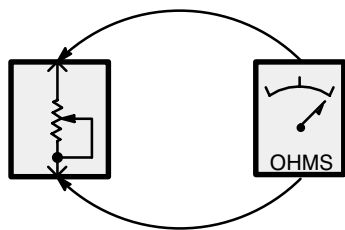


Figure 1 – Resistance Check

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

#### TEST LAMP

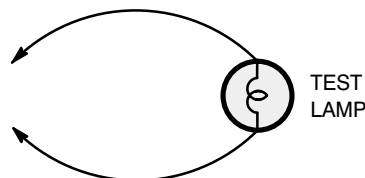


Figure 2 – Test Lamp

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

**Uses:** Voltage Check, Short Check.

#### SELF-POWERED TEST LAMP

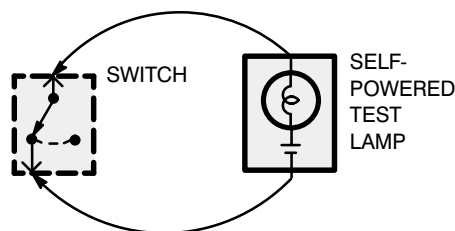


Figure 3 – Continuity Check

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.*

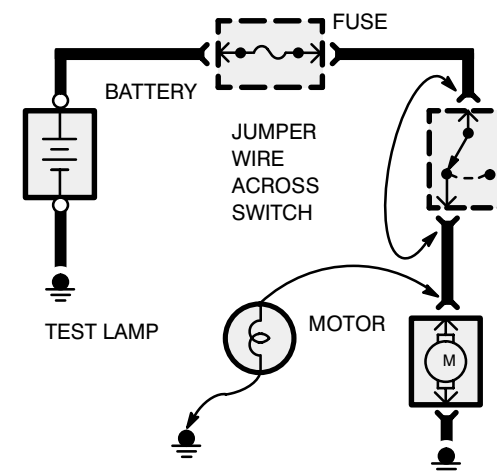


Figure 4 – Switch Circuit Check and Voltage Check

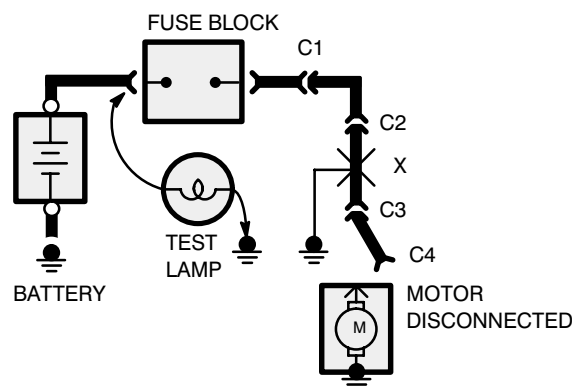
In an inoperative circuit with a switch in series with the load, jumper the terminals of the switch to power the load. If jumpering the terminals powers the circuit, the switch is inoperative (Figure 4).

#### 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.

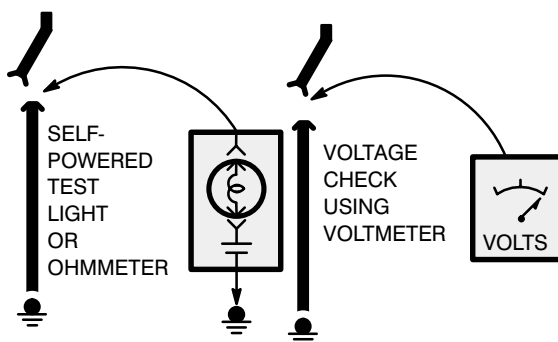
4. Connect one Test Lamp lead to hot end of blown fuse. Connect other lead to ground. Bulb should glow, showing power to fuse. *(This step is just a check to be sure you have power to the circuit.)*
5. Disconnect the test lamp lead that is connected to ground, and reconnect it to the load side of the 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 not after disconnecting C3. This means the short is between C2 and C3.

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 off 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).

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 the lo beam headlamps work, but the 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.



**Figure 6 – Ground Check**

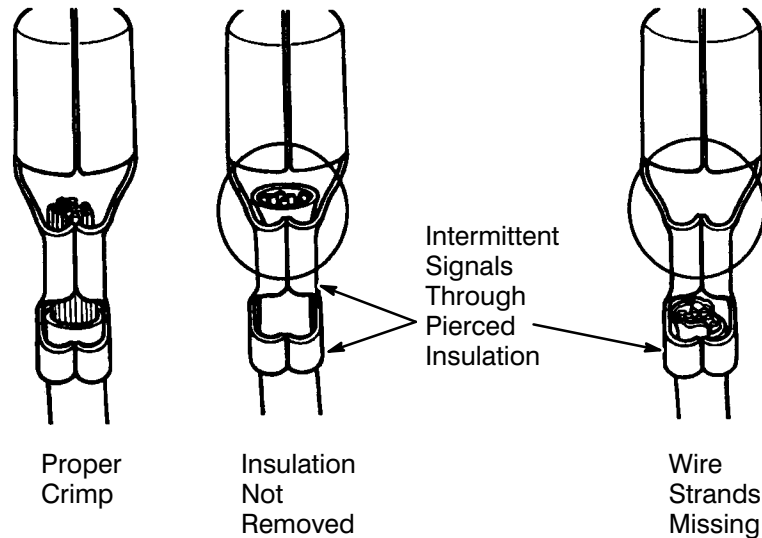
## 2-5 HOW TO USE THIS MANUAL

1999 EXPLORER/MOUNTAINEER

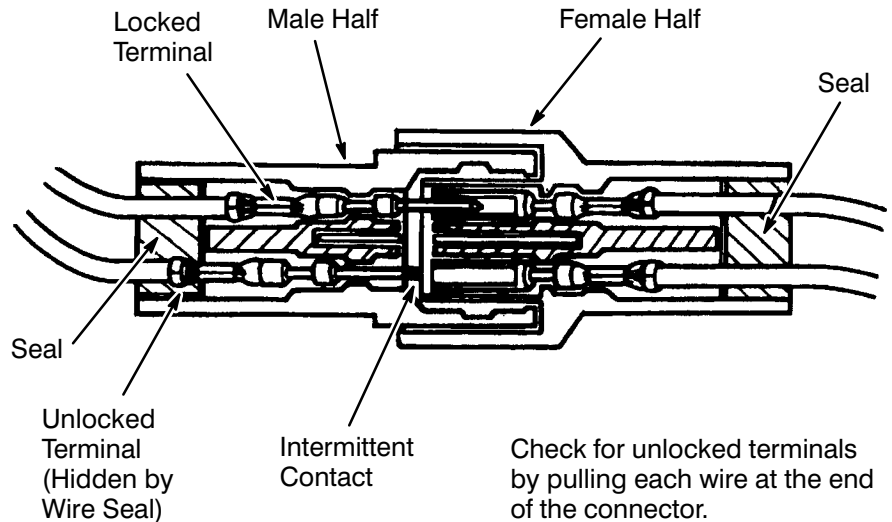
### TROUBLESHOOTING WIRING HARNESS AND CONNECTOR HIDDEN CONCERNS

The following illustrations are known examples of wiring harness, splices and connectors that will create intermittent electrical concerns. The concerns are hidden and can only be discovered by a physical evaluation as shown in each illustration.

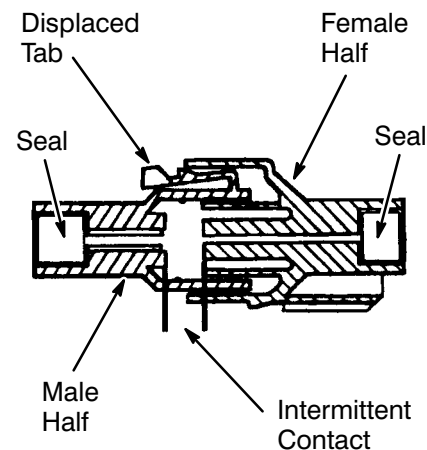
NOTE: Several components, such as the PCM, utilize gold plated terminals in their connections to the wiring harness. If those terminals need to be replaced, they must be replaced with a gold plated terminal.



### DEFECTIVE INSULATION STRIPPING

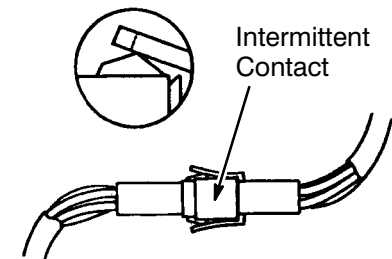


### TERMINAL NOT PROPERLY SEATED



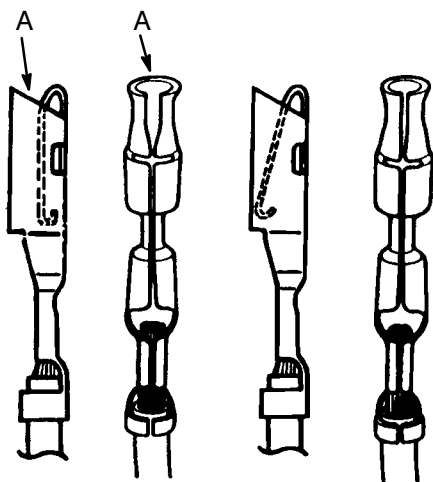
Lock may be displaced into an unlocked position; pull on the connector to verify the lock.

Type A



Type B

### PARTIALLY MATED CONNECTORS

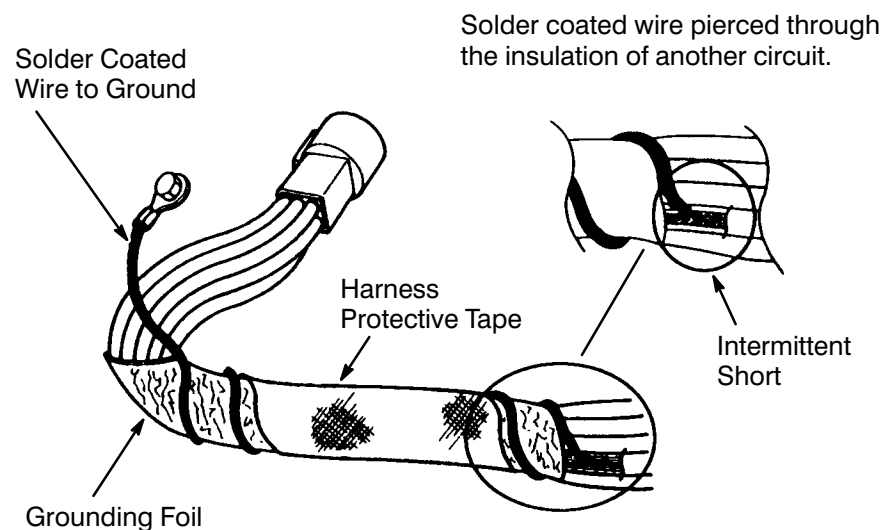


Enlarged

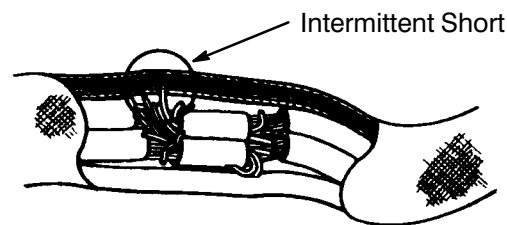
Normal

Any probe entering the terminal may enlarge the contact spring opening creating an intermittent signal. Insert the correct mating terminal (Location A) from the service kit and feel for a loose fit.

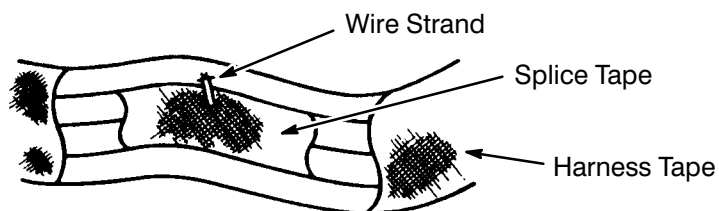
## DEFORMED (ENLARGED) FEMALE TERMINALS



## ELECTRICAL SHORT INSIDE THE HARNESS



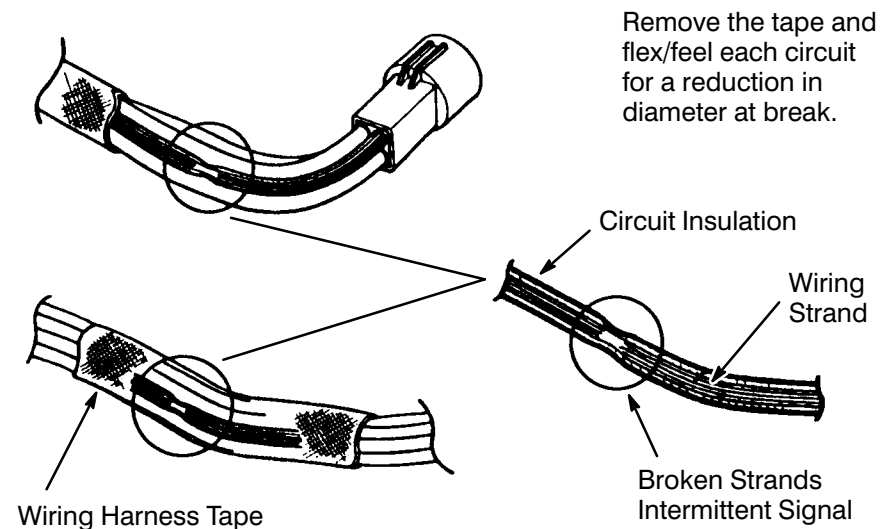
Splice Tape Removed



Splice Covered

Operate the system and flex the harness at splice location noted in Section 152.

## ELECTRICAL SHORT WITHIN THE HARNESS



## BROKEN WIRE STRANDS IN HARNESS

Remove the tape and flex/feel each circuit for a reduction in diameter at break.

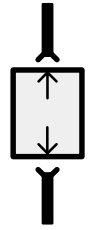
# 2-7 HOW TO USE THIS MANUAL

1999 EXPLORER/MOUNTAINEER

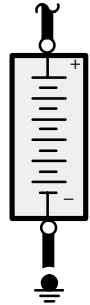
## ELECTRICAL SYMBOLS



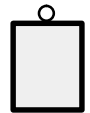
DASHED  
COMPONENT  
BOX  
ONLY PART OF THE  
COMPONENT IS SHOWN  
ON THE PAGE; THE  
COMPONENT IS SHOWN  
COMPLETE IN ANOTHER  
LOCATION



COMPONENT  
WITH  
CONNECTORS



BATTERY



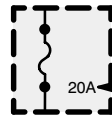
SCREW TERMINAL  
ON COMPONENT



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



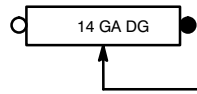
GROUND  
CONNECTION



FUSE

CURRENT  
RATING

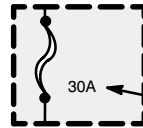
20A



FUSIBLE LINK

WIRE SIZE AND COLOR

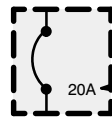
14 GA DG



MAXI-FUSE  
or  
FUSIBLE LINK  
CARTRIDGE

CURRENT RATING

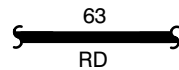
30A



CIRCUIT  
BREAKER

CURRENT  
RATING

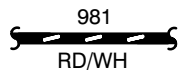
20A



SOLID WIRES

63

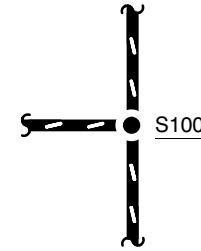
RD



STRIPED WIRES

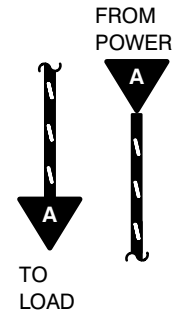
981

RD/WH



SPLICE OR  
CRIMP  
TERMINAL

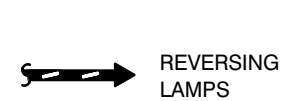
S100



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

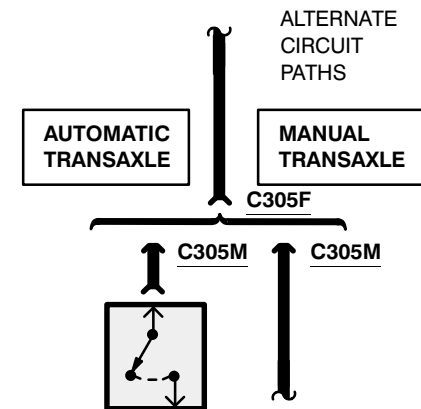
FROM  
POWER

TO  
LOAD



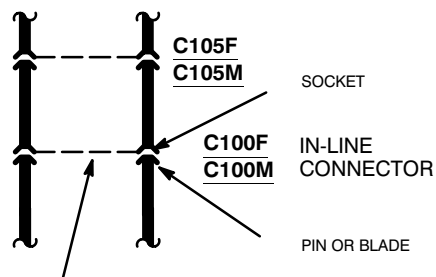
REVERSING  
LAMPS

"REFERENCE"  
WIRES  
COMPLETE WIRING  
SHOWN ON  
ANOTHER PAGE

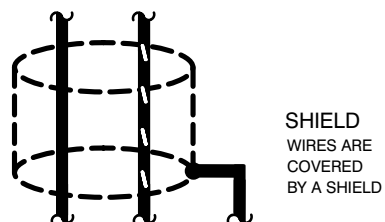
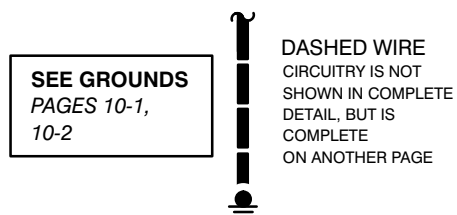


ALTERNATE  
CIRCUIT  
PATHS

## ELECTRICAL SYMBOLS



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



MOTOR



HEATING  
ELEMENT



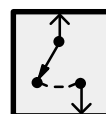
THERMISTOR



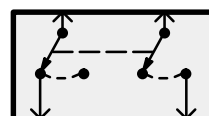
RHEOSTAT  
OR  
POTENTIOMETER



SOLENOID



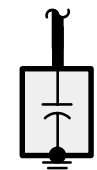
SWITCH



GANGED  
SWITCHES  
CONTACTS MOVE  
AT THE SAME TIME



DIODES  
CURRENT FLOWS  
IN DIRECTION OF  
ARROW ONLY



CAPACITOR



TRANSISTOR



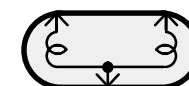
GAUGE



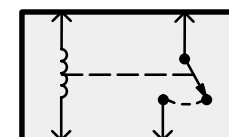
LIGHT  
EMITTING  
DIODE  
(LED)



LIGHT  
BULB



DUAL FILAMENT  
LIGHT BULB



RELAY  
CONTACTS  
CHANGE POSITION  
WITH CURRENT  
THROUGH COIL

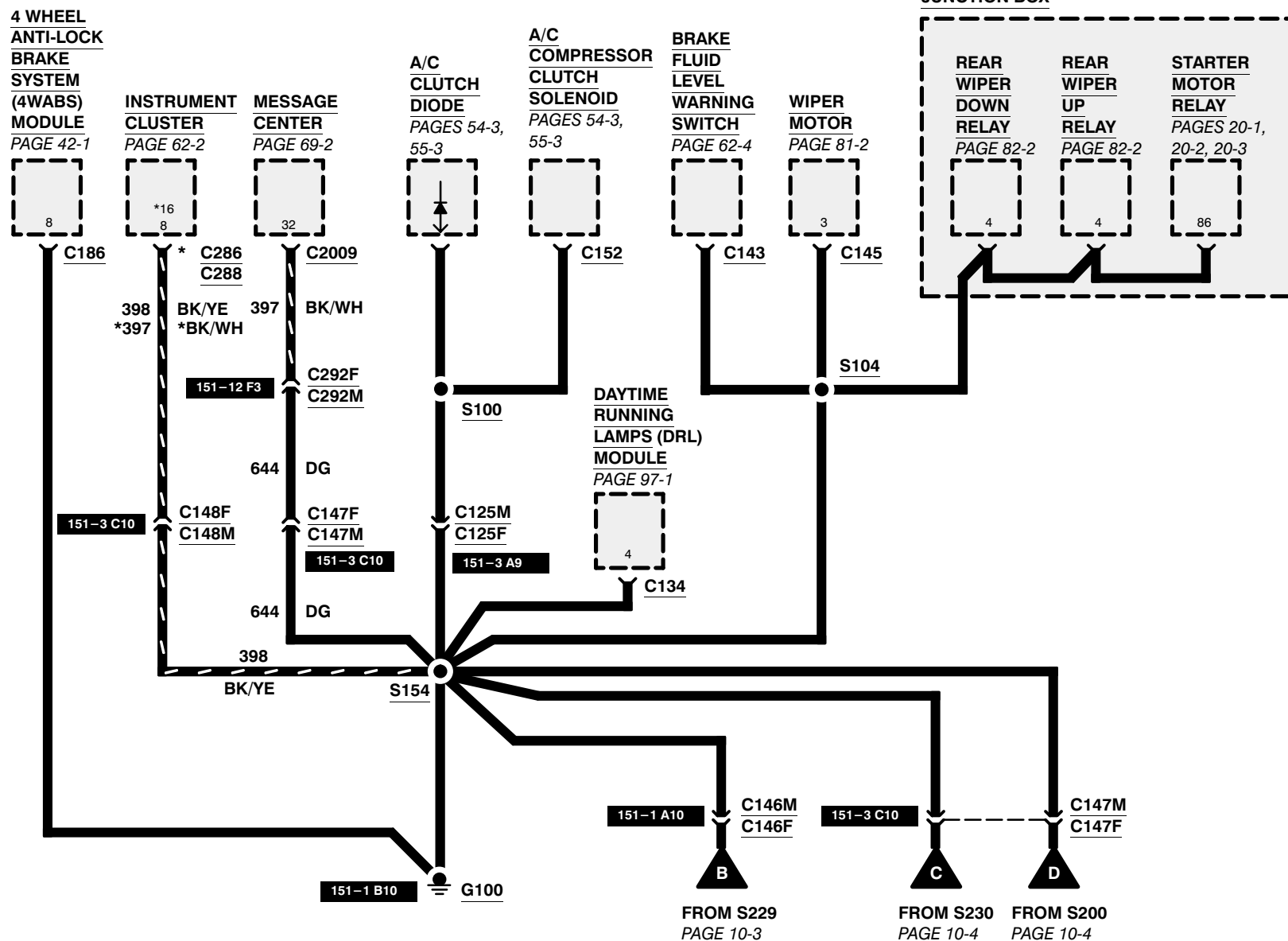
# 10-1 GROUND

1999 EXPLORER/MOUNTAINEER

All wires are 57 (BK)  
unless otherwise noted.

G100

\* WITH MESSAGE  
CENTER

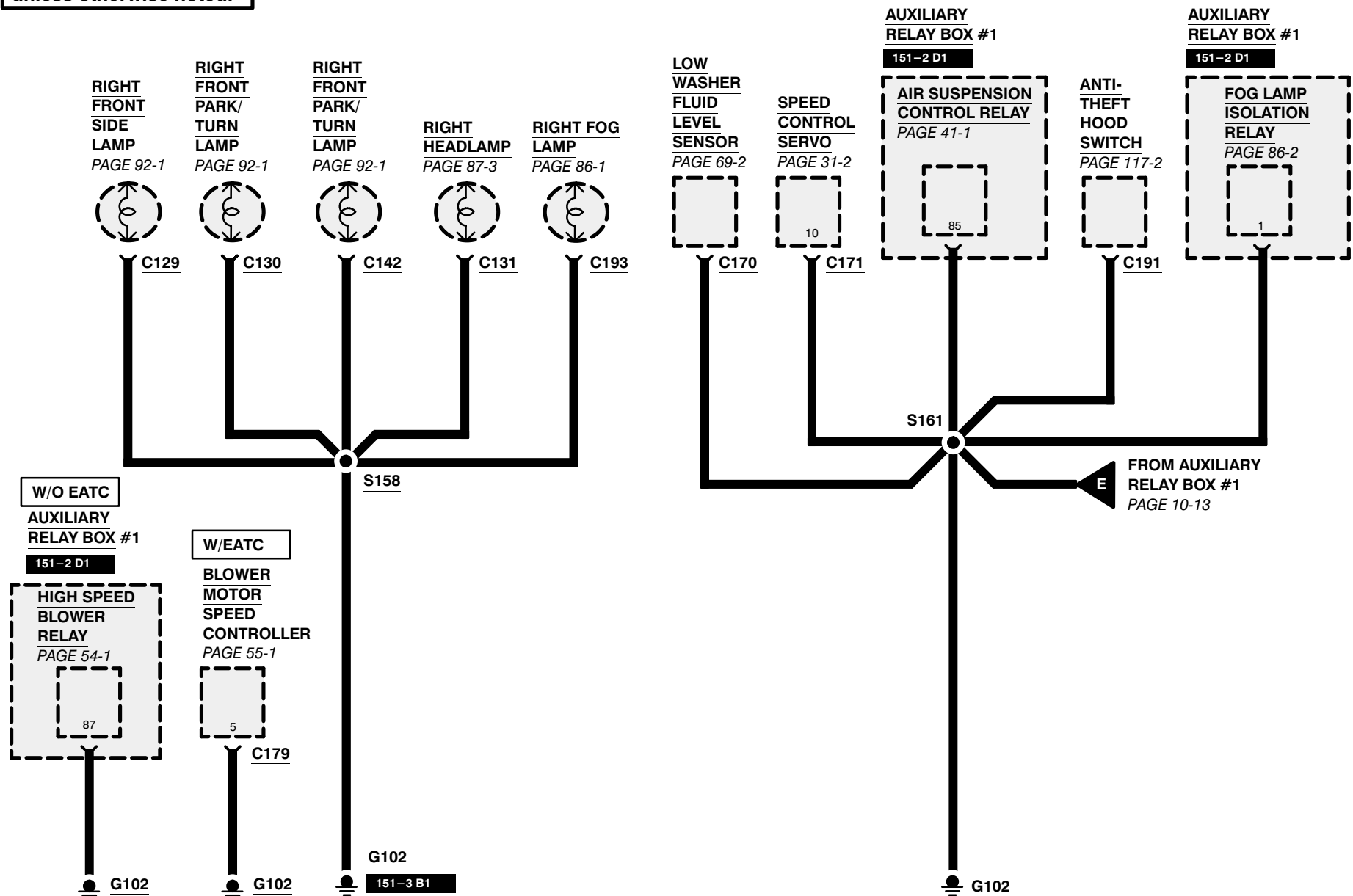


# GROUND S 10-2

1999 EXPLORER/MOUNTAINEER

All wires are 57 (BK)  
unless otherwise noted.

G102

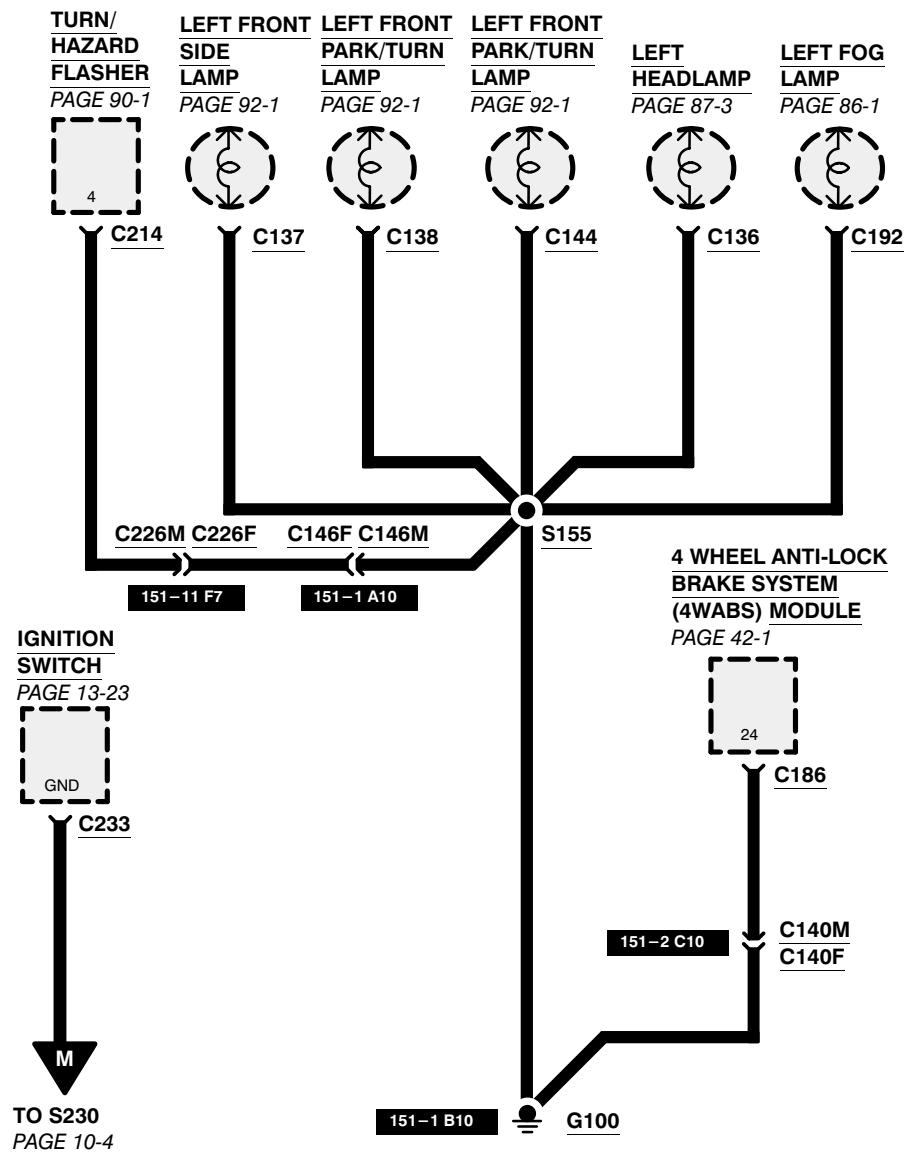
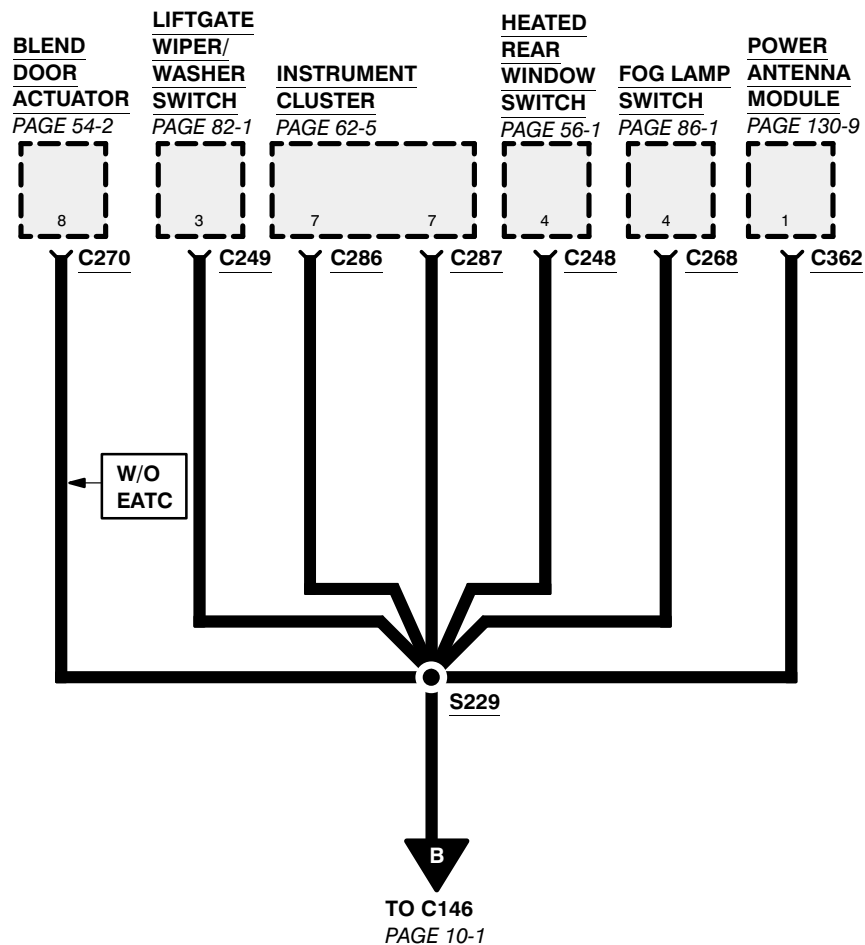


# 10-3 GROUNDS

1999 EXPLORER/MOUNTAINEER

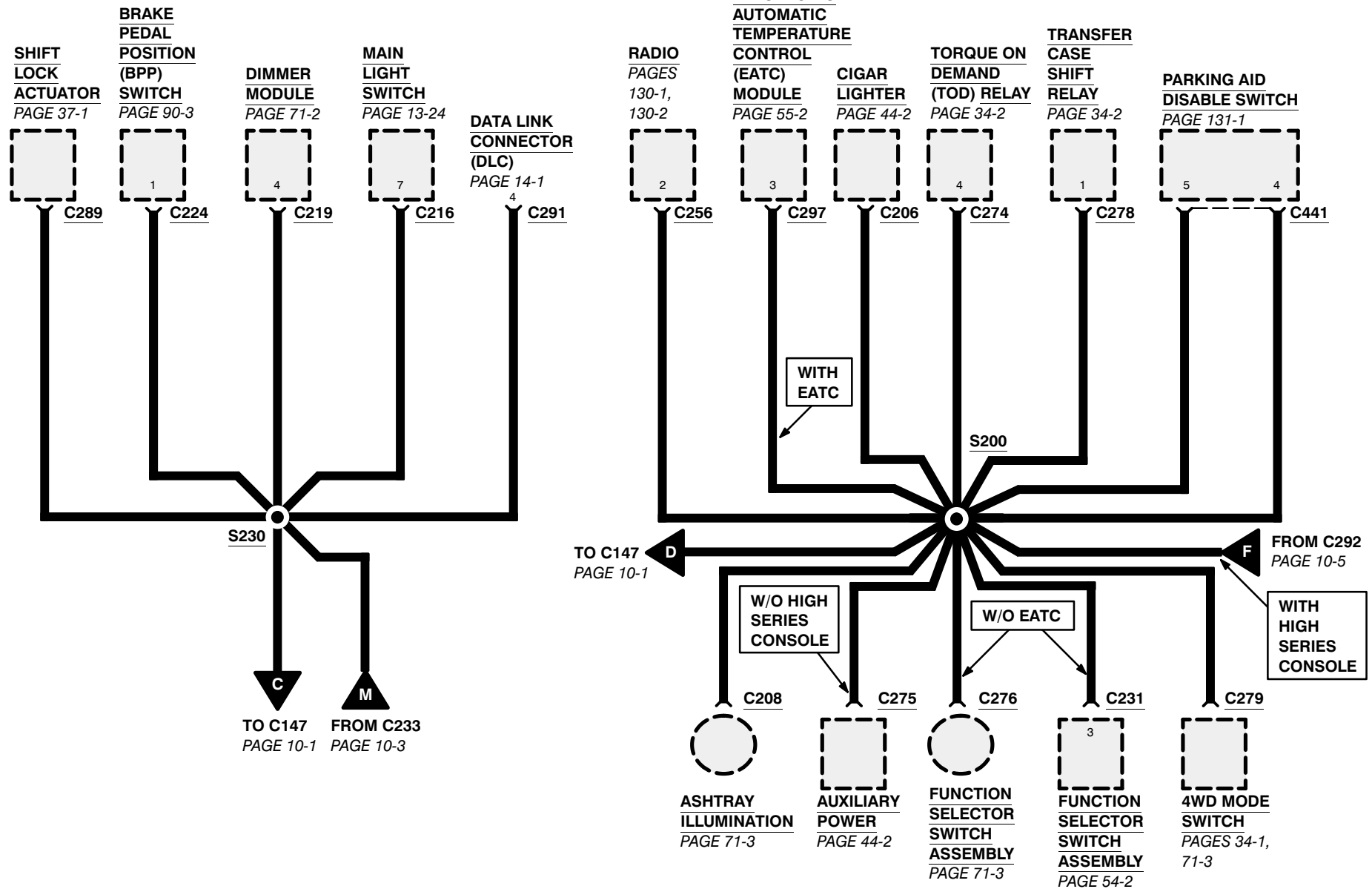
All wires are 57 (BK)  
unless otherwise noted.

G100



**G200**

All wires are 57 (BK)  
unless otherwise noted.

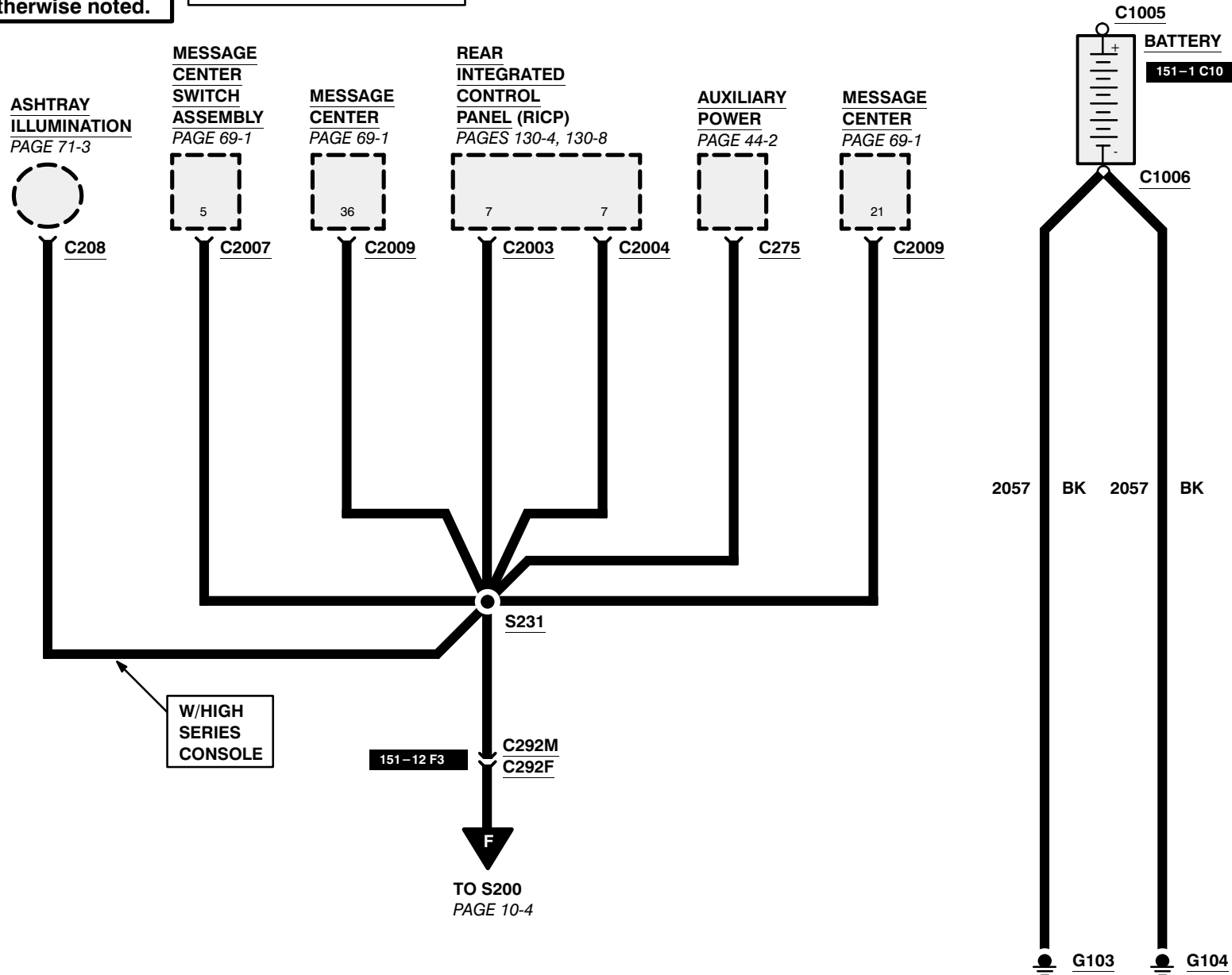


# 10-5 GROUNDS

1999 EXPLORER/MOUNTAINEER

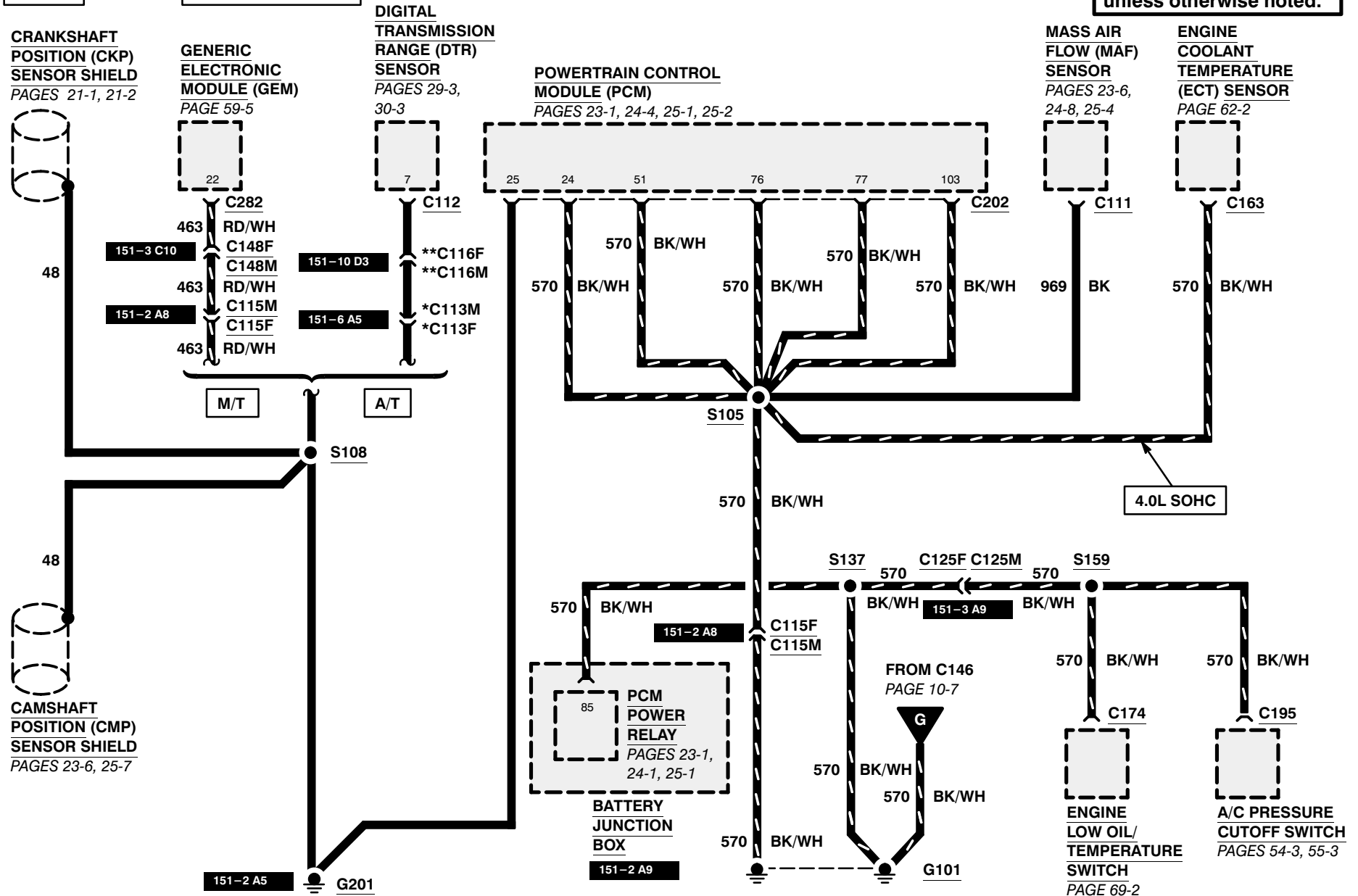
All wires are 57 (BK)  
unless otherwise noted.

G100, G103, G104



**1999 EXPLORER/MOUNTAINEER**

**All wires are 57 (BK)  
unless otherwise noted.**



# 10-7 GROUNDS

1999 EXPLORER/MOUNTAINEER

All wires are 57 (BK) unless otherwise noted.

G101

GENERIC ELECTRONIC  
MODULE (GEM)

PAGE 59-3

CENTRAL TIMER  
MODULE (CTM)

PAGE 59-3

RESTRAINTS  
CONTROL  
MODULE  
(RCM)

PAGE 46-1

SLIDING AIR  
BAG CON-  
TACT

PAGE 31-2

INSTRUMENT  
CLUSTER

PAGE 62-2

DATA LINK  
CONNECTOR  
(DLC)

PAGE 14-1

PASSIVE  
ANTI-THEFT  
SYSTEM  
(PATS)  
MODULE

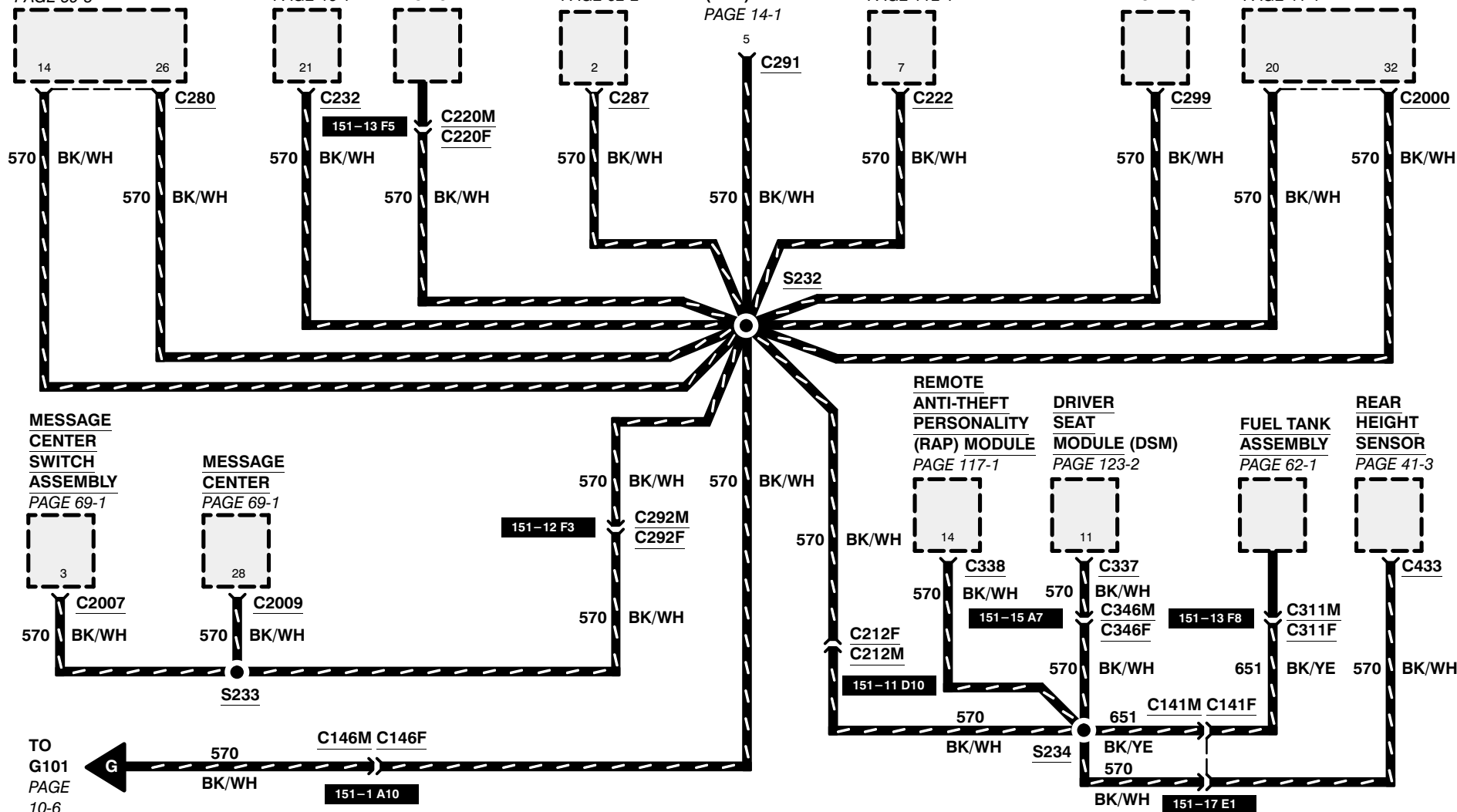
PAGE 112-1

STEERING  
RATE  
SENSOR

PAGE 41-3

AIR SUSPENSION  
CONTROL  
COMPRESSOR  
ASSEMBLY

PAGE 41-1



TO  
G101  
PAGE  
10-6



# 10-9 GROUND

1999 EXPLORER/MOUNTAINEER

All wires are 57 (BK)  
unless otherwise noted.

\* 4 DOOR  
\*\* 2 DOOR

G500

\* MASTER WINDOW/  
DOOR LOCK  
CONTROL SWITCH  
PAGES 71-4, 100-2,  
110-2

\*\* LEFT FRONT POWER  
WINDOW SWITCH  
PAGES 71-4, 100-4

\*\* LEFT FRONT  
POWER  
DOOR LOCK  
SWITCH  
PAGES 71-4, 110-2

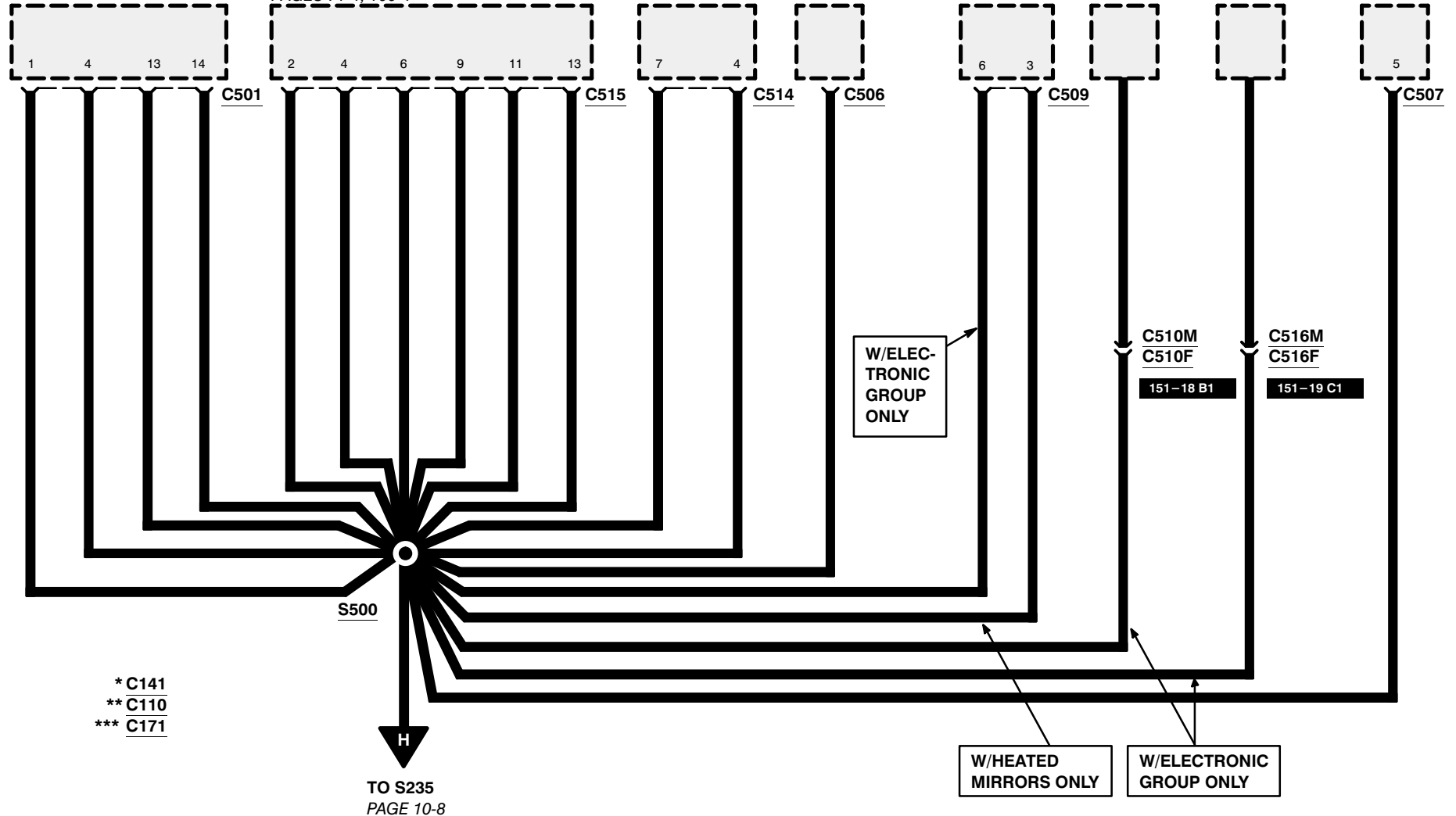
LEFT FRONT  
DOOR  
AJAR  
SWITCH  
PAGE 89-2

LEFT  
EXTERIOR  
REAR VIEW  
MIRROR  
PAGES 56-1,  
124-2

LEFT FRONT  
DOOR  
DISARM  
SWITCH  
PAGE 117-2

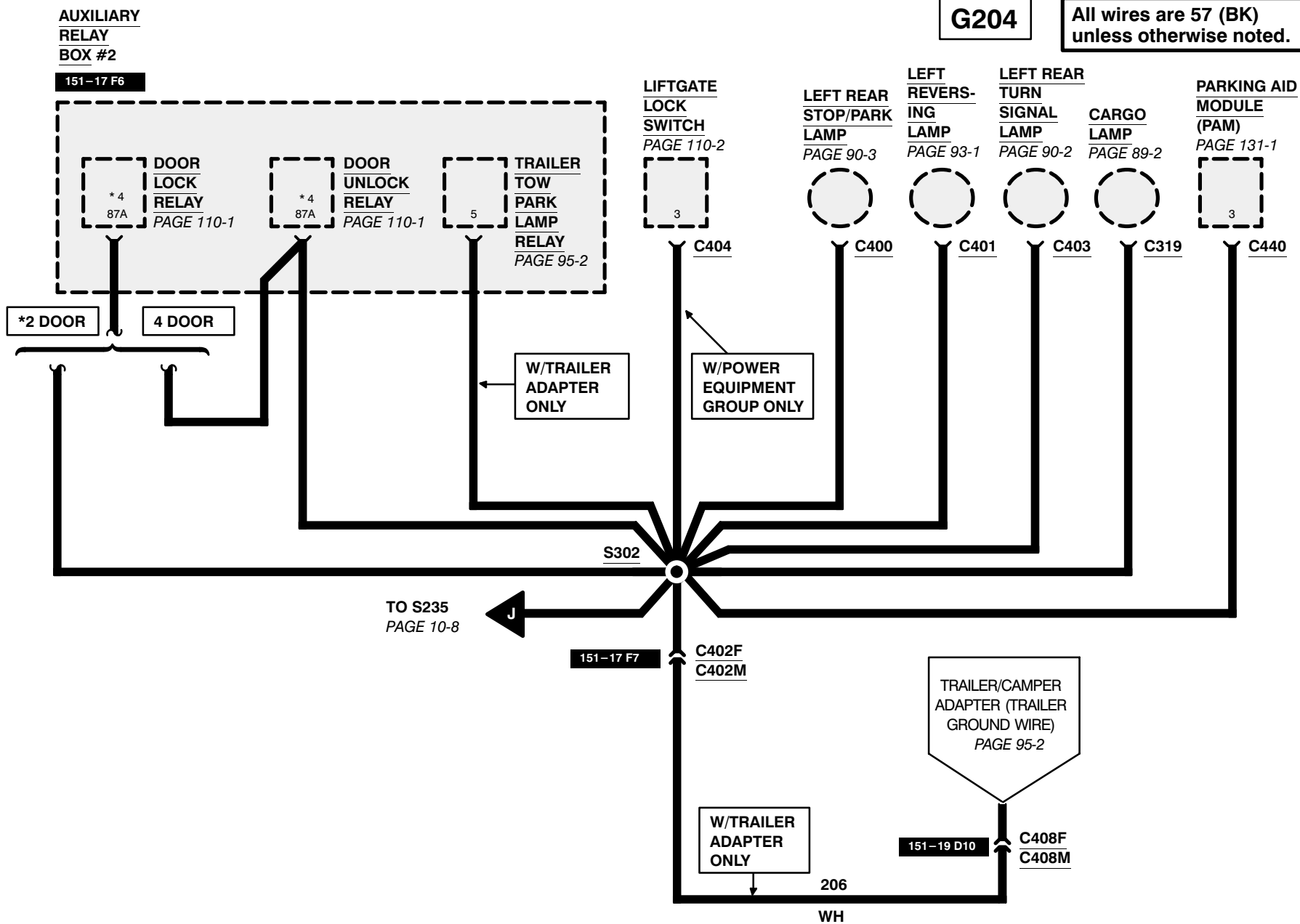
KEYPAD  
ASSEMBLY  
PAGE 117-3

EXTERIOR  
REAR VIEW  
MIRROR  
SWITCH  
PAGES  
124-1,  
124-2



# GROUND S 10-10

1999 EXPLORER/MOUNTAINEER

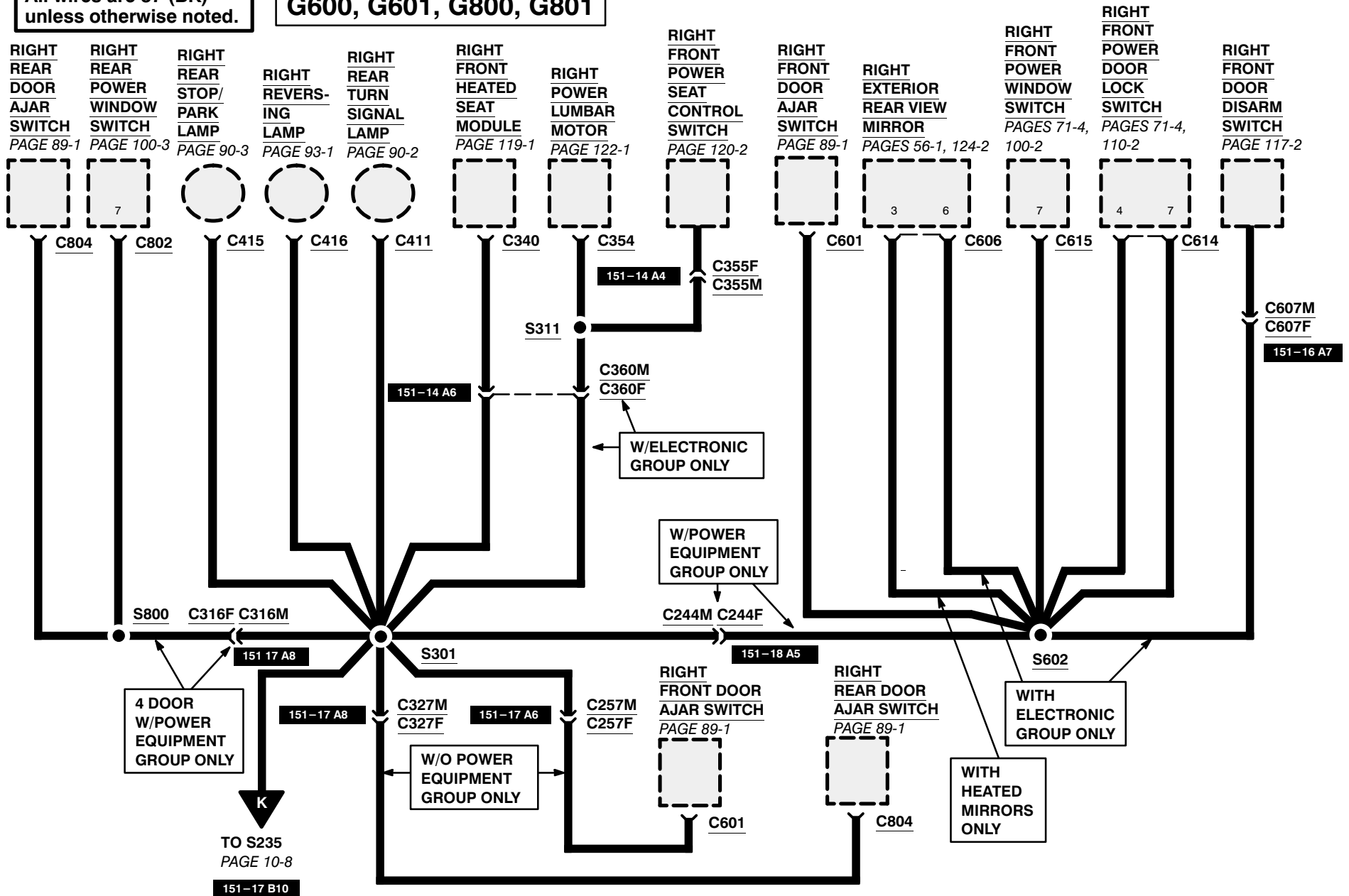


# 10-11 GROUNDING

1999 EXPLORER/MOUNTAINEER

All wires are 57 (BK)  
unless otherwise noted.

G600, G601, G800, G801

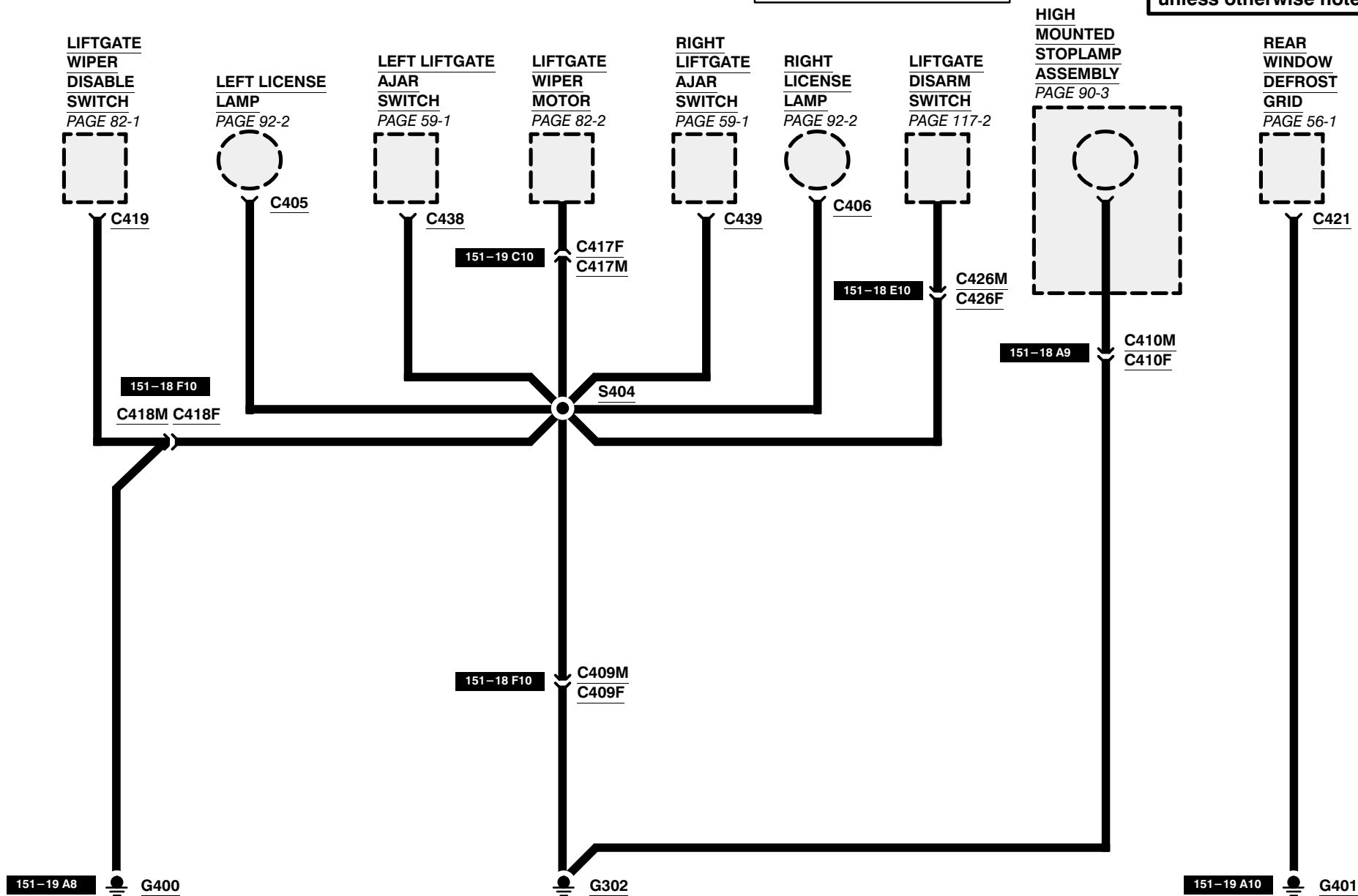


# GROUND S 10-12

1999 EXPLORER/MOUNTAINEER

G202, G302, G400

All wires are 57 (BK)  
unless otherwise noted.

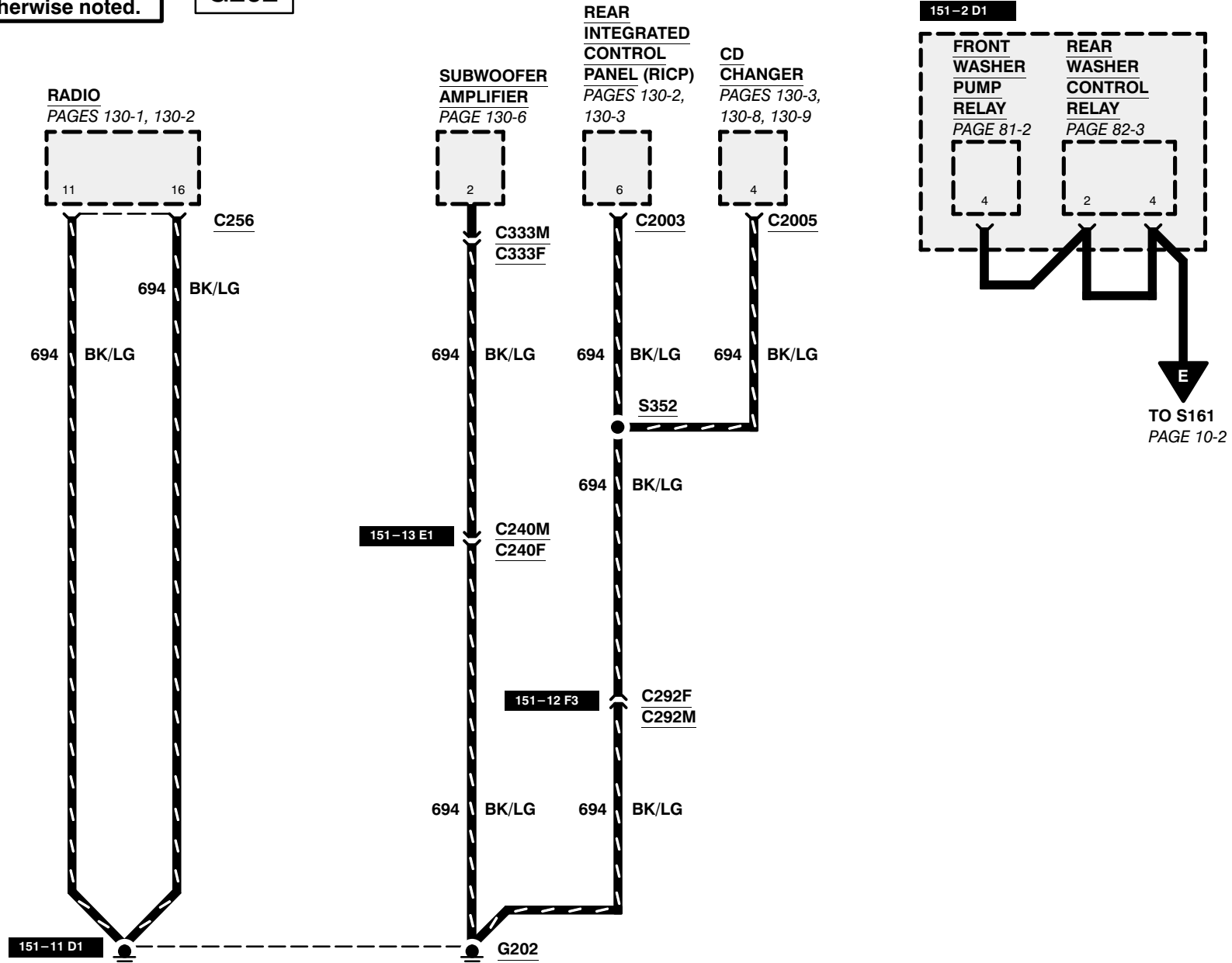


# 10-13 GROUNDS

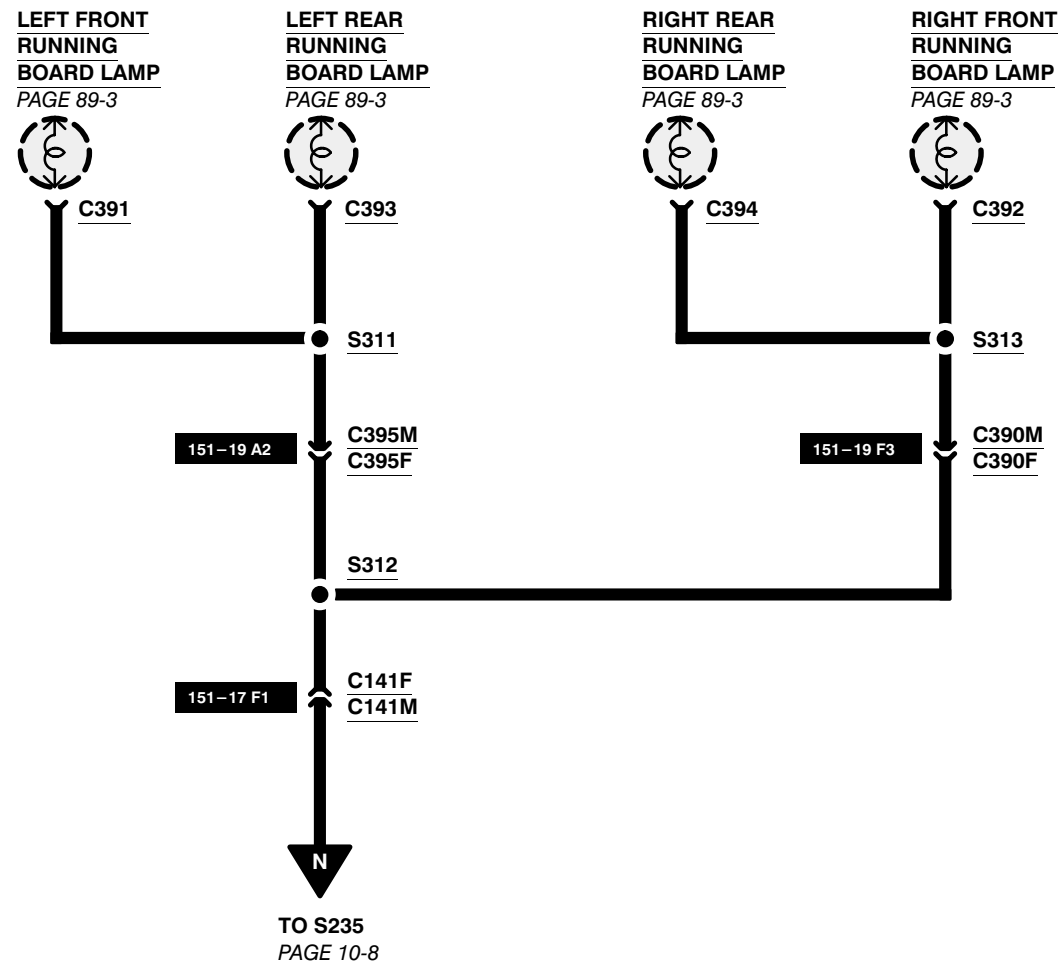
1999 EXPLORER/MOUNTAINEER

All Circuits are 57 BK  
unless otherwise noted.

G202



All wires are 57 (BK)  
unless otherwise noted.



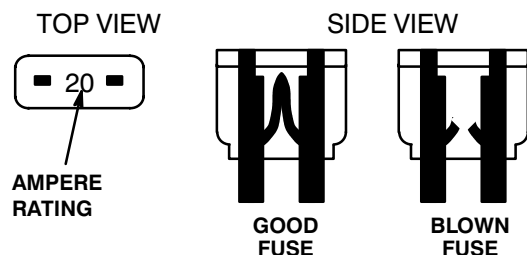
# 11-1 FUSE PANEL/CIRCUIT PROTECTION

1999 EXPLORER/MOUNTAINEER

## CIRCUIT PROTECTION DEVICES

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

### BLADE TYPE FUSE

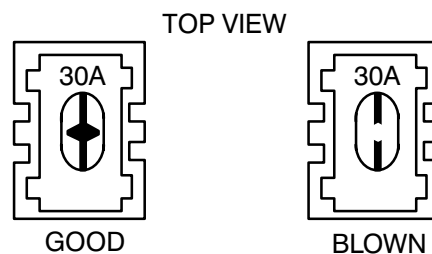


Blade type fuses have a transparent plastic housing. To check a fuse, pull it from the fuse panel and look at the fuse element through the housing. Always replace a blown fuse with a new fuse that has the same ampere rating.

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   |

### MAXI-FUSE



Cartridge maxi-fuses have transparent plastic tops. To check a cartridge maxi-fuse, look at the fuse element through the top of the housing.

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

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

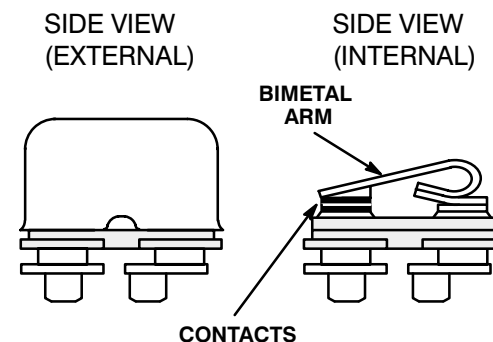
| CARTRIDGE TYPE FUSIBLE LINKS |           |            |
|------------------------------|-----------|------------|
| High Current Fuse Value Amps |           | Color Code |
| 20A                          | Cartridge | Blue       |
| 30A                          | Cartridge | Pink       |
| 40A                          | Cartridge | Green      |
| 60A                          | Cartridge | Yellow     |

### CIRCUIT BREAKER

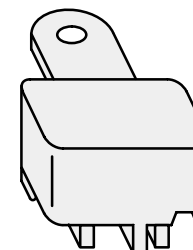
Some circuits are protected by circuit breakers (abbreviated "c. b." in fuse chart). They can be Fuse Panel mounted or in-line. Like fuses, they are rated in amperes.

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

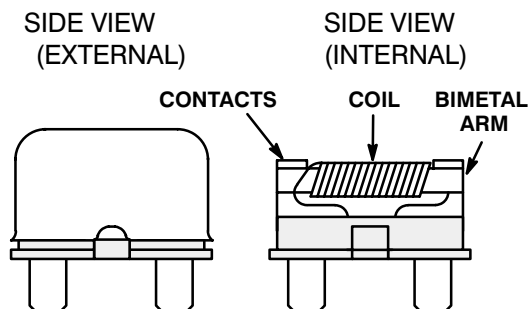


# FUSE PANEL/CIRCUIT PROTECTION 11-2

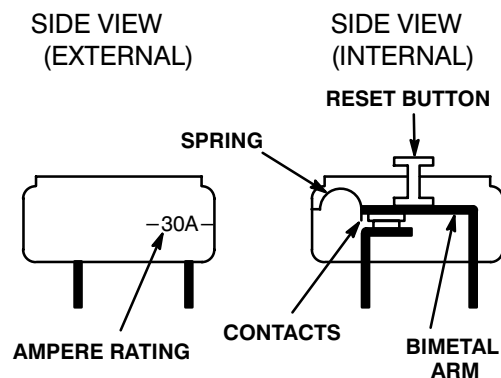
1999 EXPLORER/MOUNTAINEER

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



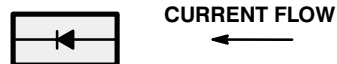
Two types of non-cycling circuit breakers are used; one is reset by removing power from the circuit, and the other is reset by depressing a reset

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 bimetal arm. This keeps the arm in the open position until power is removed.

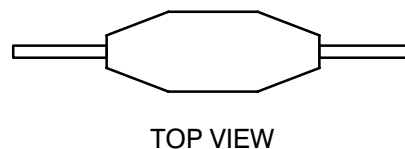
In the second type, a spring pushes the bimetal arm down and holds the contacts together. When an overcurrent condition exists and the bimetal arm heats up, the bimetal arm bends enough to overcome the spring and the contacts snap open. The contacts stay open until the reset button is pushed and the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

## DIODE



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

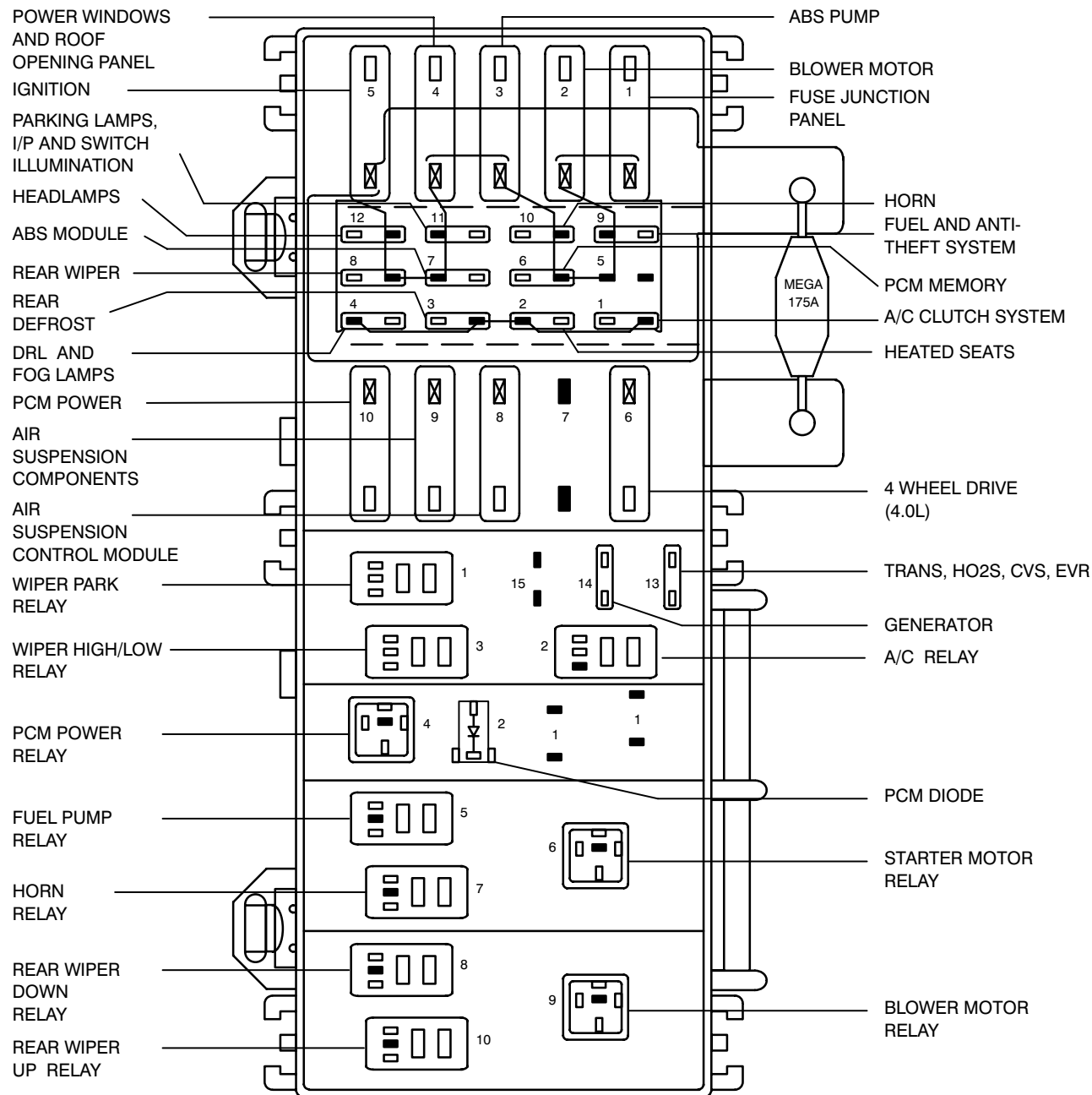
## MEGA FUSE



Mega fuse protects the charging circuit. In the event that the mega fuse is blown due to the charging circuit failure, the generator field circuit is disabled.

# 11-3 FUSE PANEL/CIRCUIT PROTECTION

1999 EXPLORER/MOUNTAINEER



# FUSE PANEL/CIRCUIT PROTECTION 11-4

1999 EXPLORER/MOUNTAINEER

| Fuse Position | Fuse/Diode                           | Amps     | Circuits Protected                                                                                                                       |
|---------------|--------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1             | Fuse Junction Panel                  | 60A Maxi | Fuse Junction Panel                                                                                                                      |
| 2             | Blower Motor                         | 40A Maxi | Blower Motor Relay                                                                                                                       |
| 3             | ABS Pump                             | 50A Maxi | 4 Wheel Anti-Lock Brake System (4WABS) Module                                                                                            |
| 4             | Power Windows and Roof Opening Panel | 30A Maxi | Power Roof Opening Panel, Power Windows                                                                                                  |
| 5             | Ignition                             | 50A Maxi | Ignition Switch, Starter Relay                                                                                                           |
| 6             | 4 Wheel Drive (4.0L)                 | 20A Maxi | Transfer Case Relay                                                                                                                      |
| 7             | —                                    | —        | Not Used                                                                                                                                 |
| 8             | Adapt. Susp. Mod.                    | 20A Maxi | Air Suspension Control On/Off Switch                                                                                                     |
| 9             | Adapt.Susp. Comp.                    | 40A Maxi | Air Suspension Control Compressor                                                                                                        |
| 10            | PCM Power                            | 30A Maxi | PCM Power Relay                                                                                                                          |
| 1             | A/C Clutch System                    | 10A Mini | A/C Clutch                                                                                                                               |
| 2             | Heated Seats                         | 30A Mini | Driver Seat Modules (DSM)                                                                                                                |
| 3             | Rear Defrost                         | 30A Mini | Rear Window Defrost                                                                                                                      |
| 4             | DRL, Fog Lamps                       | 15A Mini | Fog Lamp, Daytime Running Lamps (DRL)                                                                                                    |
| 5             | —                                    | —        | Not Used                                                                                                                                 |
| 6             | PCM Memory                           | 10A Mini | Powertrain Control Module                                                                                                                |
| 7             | ABS Module                           | 30A Mini | 4 Wheel Anti-Lock Brake System (4WABS) Module                                                                                            |
| 8             | Rear Wiper                           | 15A Mini | Rear Wiper Up Relay, Rear Wiper Down Relay, Rear Wiper Motor                                                                             |
| 9             | Fuel and Anti-Theft                  | 20A Mini | Fuel Pump and RAP Module                                                                                                                 |
| 10            | Horn                                 | 15A Mini | Horn Relay, Horn                                                                                                                         |
| 11            | Parking Lamps                        | 15A Mini | Park Lamps Relay, Dimmer Relay, Headlamp Relay, Switch and I/P Illumination, Chime System (Headlamp)                                     |
| 12            | Headlamps                            | 30A Mini | Headlamps, Fog Lamp Relay                                                                                                                |
| 13            | PCM, HO2S, CVS                       | 15A Mini | Heated Oxygen Sensor, EGR Vacuum Regulator, EVR Solenoid, Camshaft Position (CMP) Sensor, Canister Vent Solenoid, Automatic Transmission |
| 14            | ALT SYS                              | 30A Mini | Generator                                                                                                                                |
| 15            | —                                    | —        | Not Used                                                                                                                                 |
| 1             | —                                    | —        | Not Used                                                                                                                                 |
| 2             | PCM Power Diode                      | —        | Electronic Engine Controls                                                                                                               |

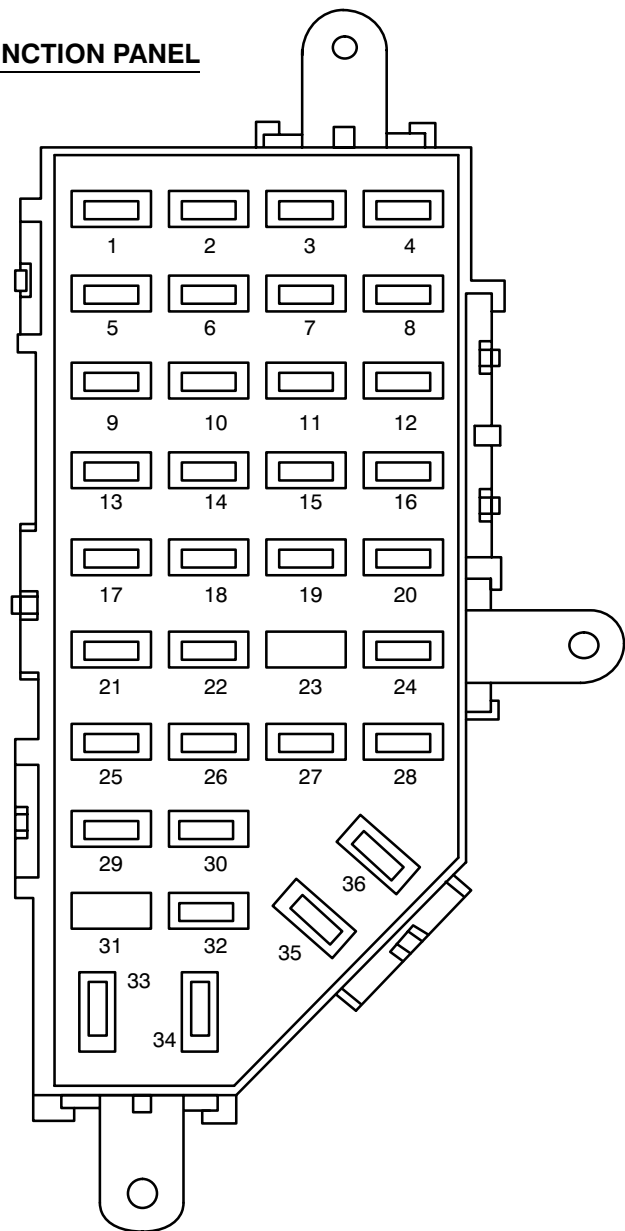
| MAXI-FUSE CARTRIDGE COLOR CODING |               | MINI FUSE COLOR CODING |               |
|----------------------------------|---------------|------------------------|---------------|
| AMPERE RATING                    | HOUSING COLOR | AMPERE RATING          | HOUSING COLOR |
| 20                               | Yellow        | 5                      | Tan           |
| 30                               | Light Green   | 7.5                    | Brown         |
| 40                               | Amber         | 10                     | Red           |
| 50                               | Red           | 15                     | Light Blue    |
| 60                               | Blue          | 20                     | Yellow        |
|                                  |               | 25                     | Natural       |
|                                  |               | 30                     | Light Green   |

| Relay Position | Relay                 |
|----------------|-----------------------|
| 1              | Wiper Park Relay      |
| 2              | A/C Relay             |
| 3              | Wiper High/Low Relay  |
| 4              | PCM Power Relay       |
| 5              | Fuel Pump Relay       |
| 6              | Starter Relay         |
| 7              | Horn Relay            |
| 8              | Rear Wiper Down Relay |
| 9              | Blower Motor Relay    |
| 10             | Rear Wiper Up Relay   |

# 11-5 FUSE PANEL/CIRCUIT PROTECTION

1999 EXPLORER/MOUNTAINEER

FUSE JUNCTION PANEL



| FUSE<br>VALUE<br>AMPS | COLOR<br>CODE |
|-----------------------|---------------|
| 5                     | Tan           |
| 7.5                   | Brown         |
| 10                    | Red           |
| 15                    | Light Blue    |
| 20                    | Yellow        |
| 25                    | Natural       |
| 30                    | Light Green   |

# FUSE PANEL/CIRCUIT PROTECTION 11-6

1999 EXPLORER/MOUNTAINEER

| Fuse Position | Amps | Circuits Protected                                                                                                                                                                                                                                           |
|---------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1             | 7.5  | Exterior Rear View Mirror Switch, Power Antenna, Memory Seat Switch                                                                                                                                                                                          |
| 2             | 7.5  | Blower Motor Relay, Restraint Control Module, EATC                                                                                                                                                                                                           |
| 3             | 7.5  | Trailer Tow Connector (RH Stop/Turn)                                                                                                                                                                                                                         |
| 4             | 10   | Left Headlamp                                                                                                                                                                                                                                                |
| 5             | 10   | Data Link Connector (DLC)                                                                                                                                                                                                                                    |
| 6             | 7.5  | Rear Blower Motor (W/O EATC)                                                                                                                                                                                                                                 |
| 7             | 7.5  | Trailer Tow Connector (LH Stop/Turn)                                                                                                                                                                                                                         |
| 8             | 10   | Right Headlamp, Fog Lamp Relay                                                                                                                                                                                                                               |
| 9             | 7.5  | Brake Pedal Position (BPP) Switch Output                                                                                                                                                                                                                     |
| 10            | 7.5  | Speed Control Servo, Generic Electronic Module (GEM), Rear Blower Relay (W/EATC), Brake Shift Lock Actuator, Overhead Console, Blend Door Actuator (W/O EATC), Flasher Turn Signals, Air Suspension Control, Steering Rate Sensor, RICP (Rear Blower Switch) |
| 11            | 7.5  | Instrument Cluster, Day/Night Mirror/Autolamp Sensor                                                                                                                                                                                                         |
| 12            | 7.5  | Front Washer Control Relay, Rear Washer Control Relay, Washer Pump Motor                                                                                                                                                                                     |
| 13            | 20   | Brake Pedal Position (BPP) Switch, Stoplamps, High Mounted Stoplamps, Brake Pressure Switch (Speed Control), Trailer Tow Stoplamps                                                                                                                           |
| 14            | 10   | 4 Wheel Anti-Lock Brake System (4WABS) Module                                                                                                                                                                                                                |
| 15            | 7.5  | Air Bag Indicator Lamp, Charge Indicator Lamp                                                                                                                                                                                                                |
| 16            | 30   | Front Wiper Motor, Wiper High/Low Relay, Wiper RUN Relay                                                                                                                                                                                                     |
| 17            | 25   | Cigar Lighter                                                                                                                                                                                                                                                |
| 18            | 25   | Driver Unlock Relay, All-Unlock Relay, All-Lock Relay, Driver and Passenger Power Lumbar, Driver and Passenger Power Seat Motors, Memory Seat Module                                                                                                         |

# 11-7 FUSE PANEL/CIRCUIT PROTECTION

1999 EXPLORER/MOUNTAINEER

| Fuse Position | Amps | Circuits Protected                                                                                            |
|---------------|------|---------------------------------------------------------------------------------------------------------------|
| 19            | 25   | PCM Power Diode, Ignition Coils, Radio Noise Capacitor, PATS Module, PCM Power Relay                          |
| 20            | 7.5  | Remote Anti-theft Personality (RAP) Module, Generic Electronic Module (GEM), Radio                            |
| 21            | 15   | Flasher (Hazard)                                                                                              |
| 22            | 20   | Auxiliary Power Socket                                                                                        |
| 23            | -    | NOT USED                                                                                                      |
| 24            | 7.5  | Clutch Pedal Position (CPP) Switch, Starter Relay Coil, Digital Transmission Range Sensor Switch              |
| 25            | 7.5  | Generic Electronic Module (GEM), PATS Module, Speedometer                                                     |
| 26            | 10   | Battery Saver Relay, Interior Lamp Relay, Interior Lamps, ACC Delay Relay, Courtesy Lamps                     |
| 27            | 15   | DRL, Transmission Control Switch (TCS), Rear Window Defrost Relay, Reversing Lamps, E/C Mirror                |
| 28            | 7.5  | Generic Electronic Module (GEM), Radio, Memory Seats, Power Antenna                                           |
| 29            | 25   | Radio, Subwoofer, CD Changer, Rear Seat Controls                                                              |
| 30            | 15   | Trailer Tow Relay (Parking Lamps)                                                                             |
| 31            | -    | NOT USED                                                                                                      |
| 32            | 10   | Exterior Rear View Mirror                                                                                     |
| 33            | 15   | High Beam Headlamps, High Beam Indicator, Daytime Running Lamps (DRL) Module                                  |
| 34            | 7.5  | Rear Integrated Control Panel, CD Changer                                                                     |
| 35            | 7.5  | Rear Blower (W/EATC)                                                                                          |
| 36            | 7.5  | EATC Memory, CD, Rear Integrated Control Panel, Memory Seat, Message Center, Day/Night Mirror/Autolamp Sensor |

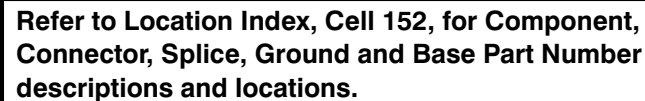
## NOTES 11-8

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## 1999 EXPLORER/MOUNTAINEER

\* 4.0L EI

With voltage applied, regulator is activated, allowing current to flow from sense A circuit to generator field coil. Generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal. S (stator) circuit is used to feed back a voltage signal from generator to regulator, this voltage (typically half battery voltage), is used by regulator to turn off indicator.



# CHARGING SYSTEM 12-2

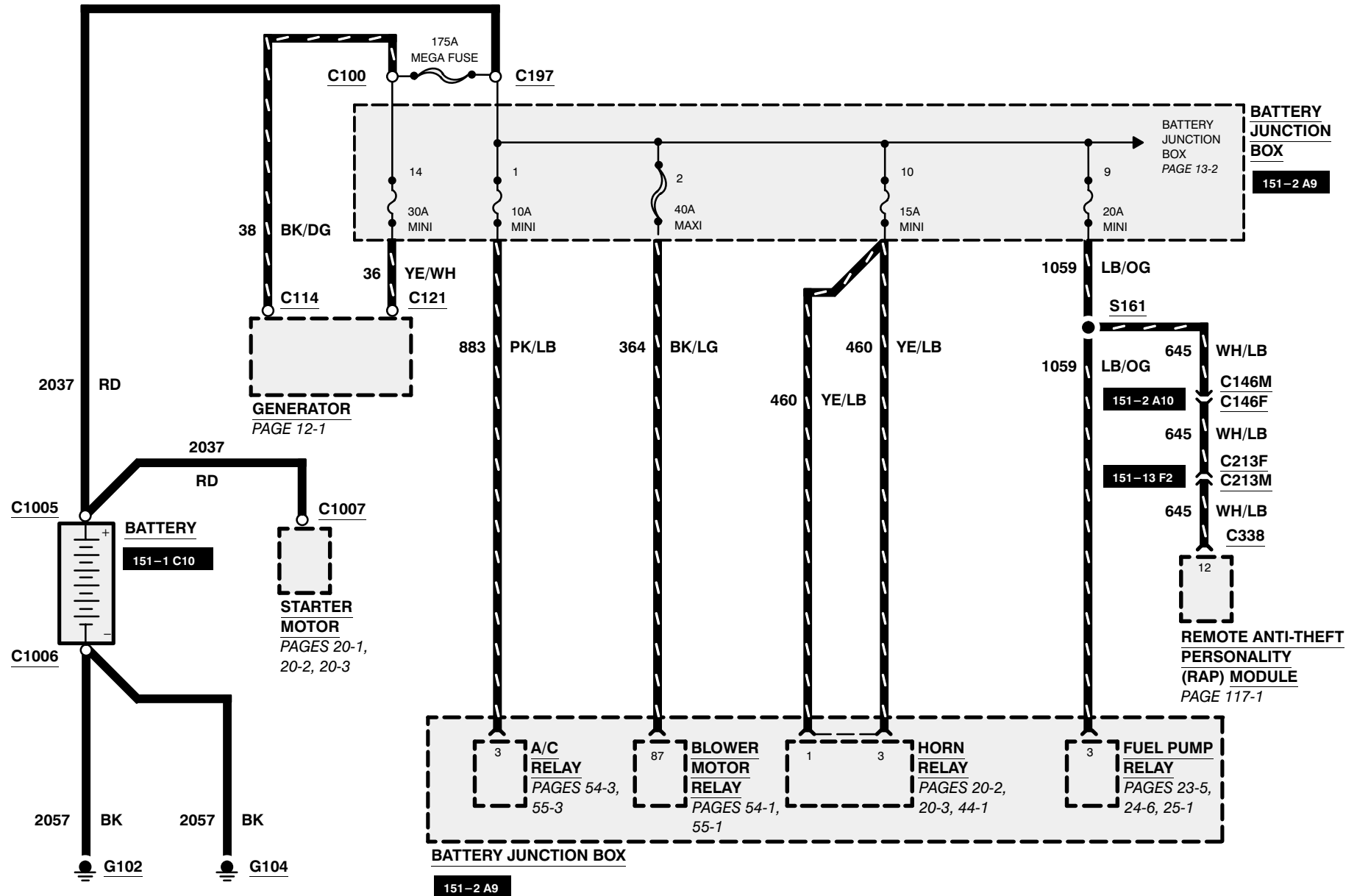
1999 EXPLORER/MOUNTAINEER

## CONNECTOR REFERENCE LIST

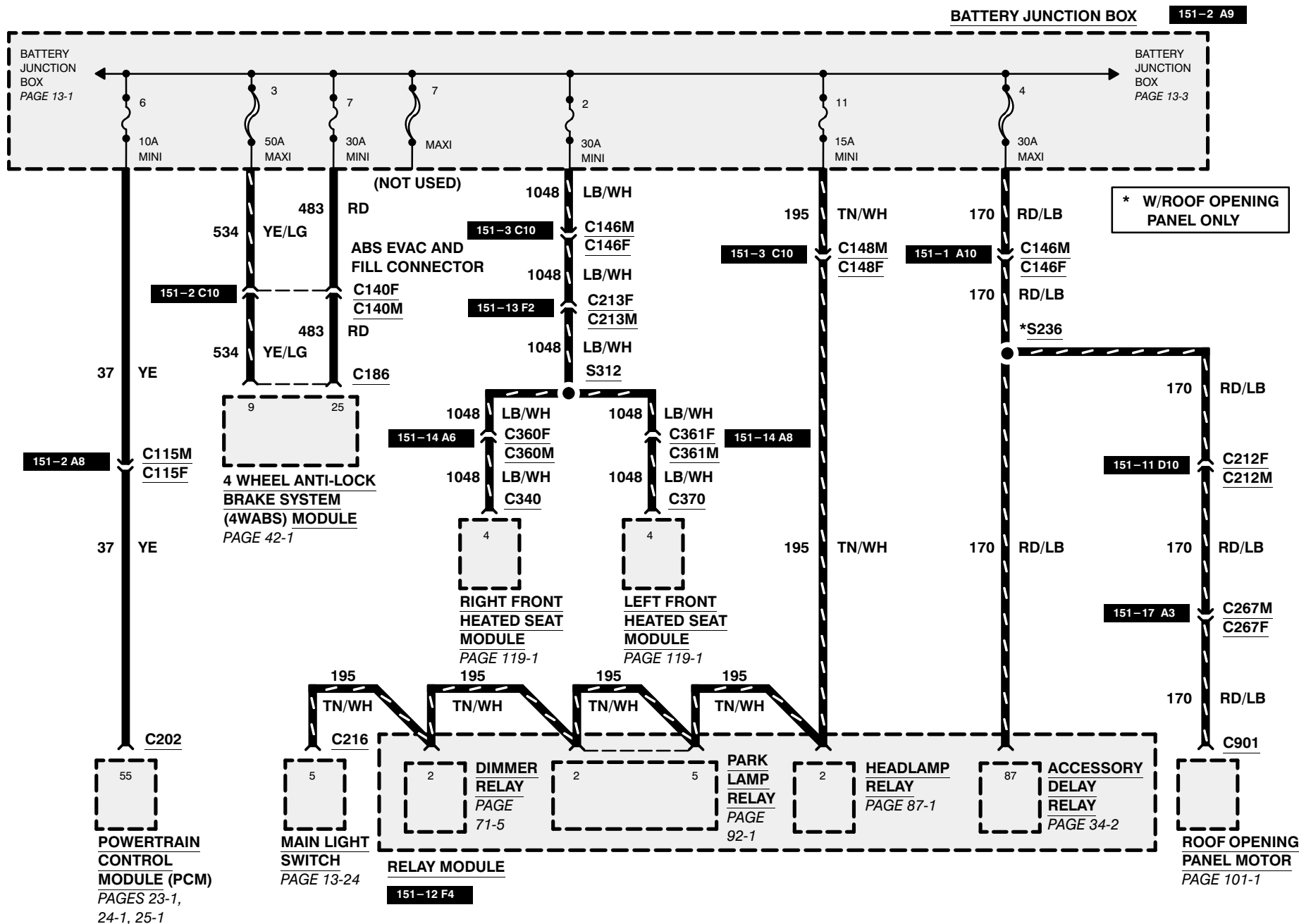
| CONNECTOR    | SECTION-PAGE  |
|--------------|---------------|
| C223<br>C288 | 13-25<br>62-8 |

# 13-1 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER

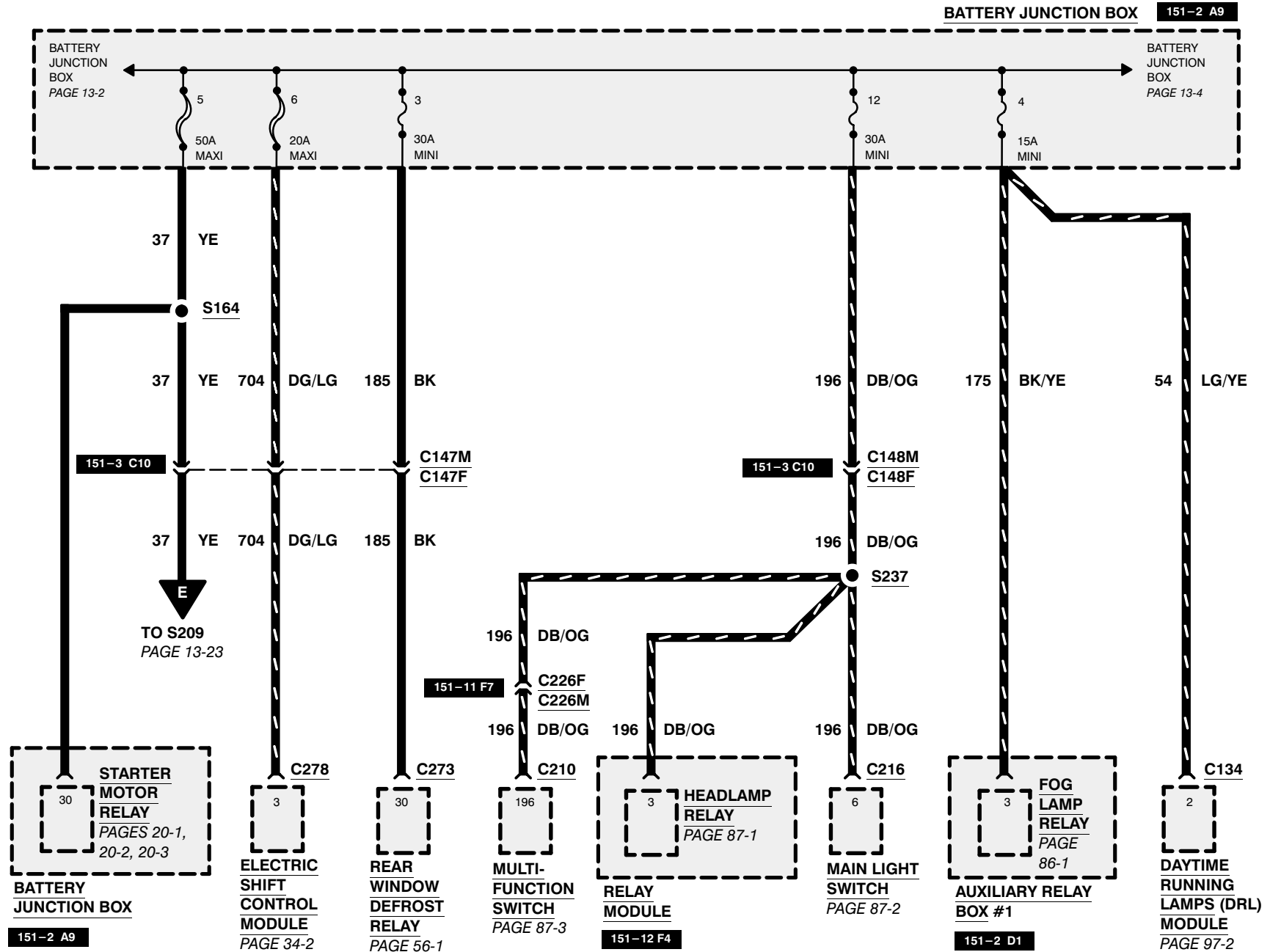


## 1999 EXPLORER/MOUNTAINEER



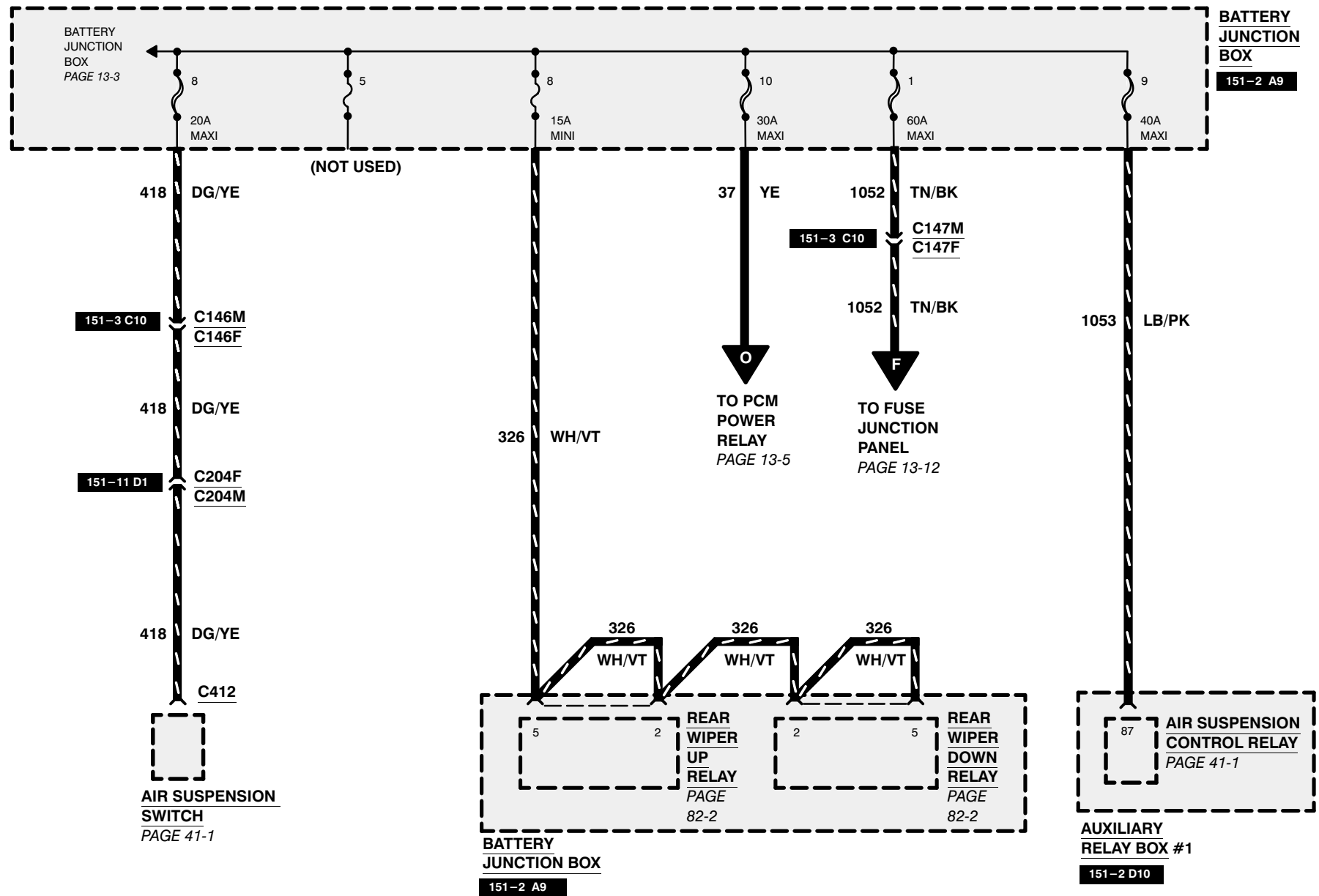
# 13-3 POWER DISTRIBUTION

1999 EXPLORER/MOUTAINEER



# POWER DISTRIBUTION 13-4

1999 EXPLORER/MOUNTAINEER



## 1999 EXPLORER/MOUNTAINEER

**FROM S123**  
*THIS PAGE*

151-2 A9

361 RD

**FROM BATTERY  
JUNCTION BOX**  
*PAGE 13-4*

**FROM PCM  
POWER DIODE  
PAGE 13-16**

37

175 BK/YE

13  
PCM  
HEGO  
CVS  
15A  
MINI

A/C  
RELAY  
PAGES 54-3,  
55-3

**FUEL PUMP  
RELAY**  
*PAGES 23-5,  
24-5, 25-1*

**PCM POWER  
RELAY**  
*PAGES 23-1,  
24-1, 25-1*

**C146F C146M**

151-1 A10

**LB/OG**

**LB/OG**

361 RD

361 | RD

361 RD

● S118

570 **BK/WH**

**● G101**

**SEE  
GROUNDS  
PAGE 10-6**

$$\frac{C212F}{C212M}$$

**LB/OG**

$$\frac{C141M}{C141F}$$

**LB/OG**

**C300**

4.0L (EI)

4.0L (SOHC)

5.0L

34 | LB/OG

34 | LB/OG

34 LB/OG

**TO C115M**  
*PAGE 13-6*

**TO C115M**  
*PAGE 13-7*

**TO C115M**  
*PAGE 13-8*

361 RD  
↓  
G  
TO BATTERY  
JUNCTION BOX  
THIS PAGE

361 RD  
A8 C115M  
C115F

4.01 (EI)

4.0L  
(SOHC)

501

361 | BD

100

361 | BD

**TO S124**  
*PAGE 13-9*

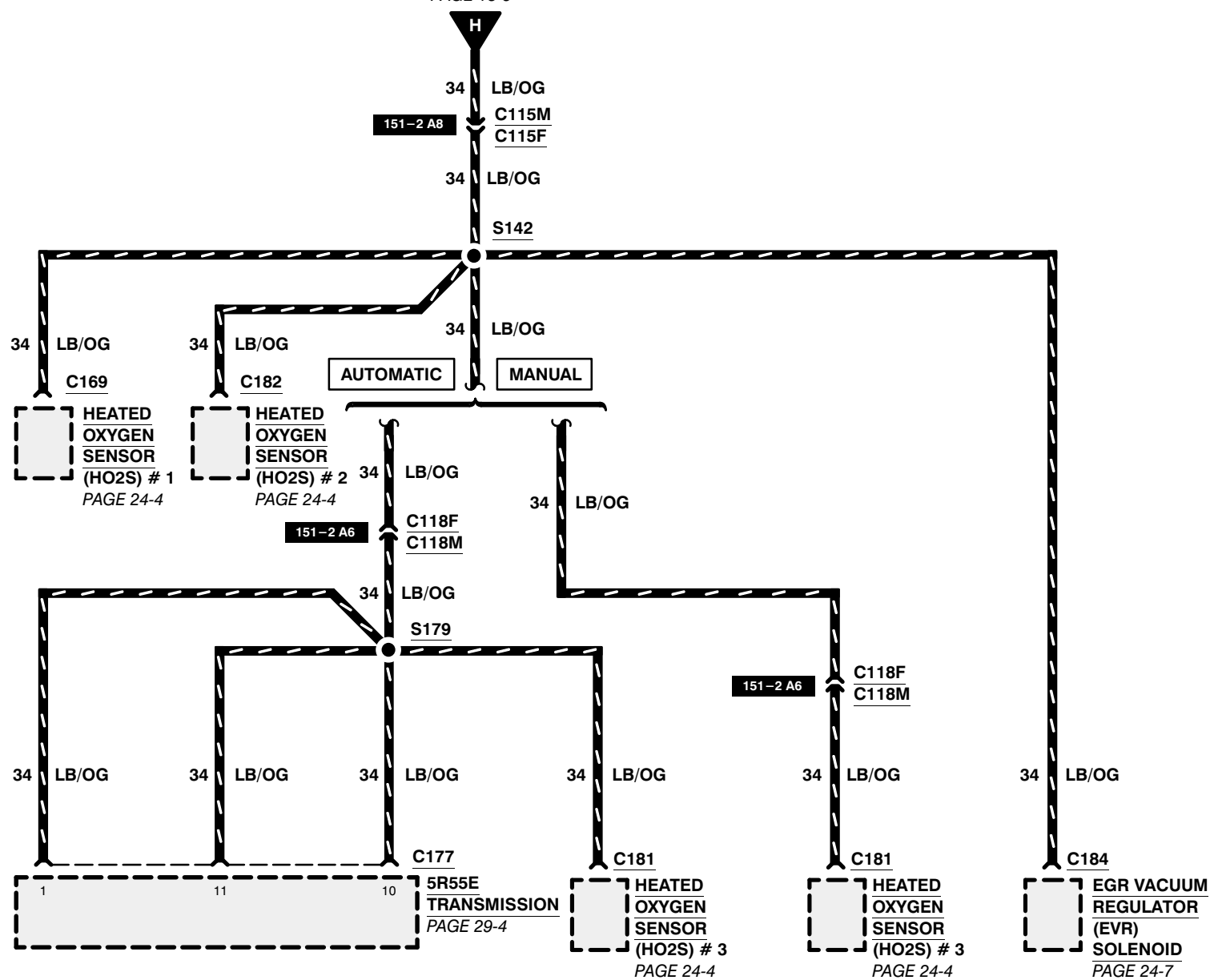
TO S167  
PAGE 13-1

TO S101  
PAGE 13-11

**CANISTER  
PURGE VALVE**  
PAGES 23-2, 24-2, 25-2

## 1999 EXPLORER/MOUNTAINEER

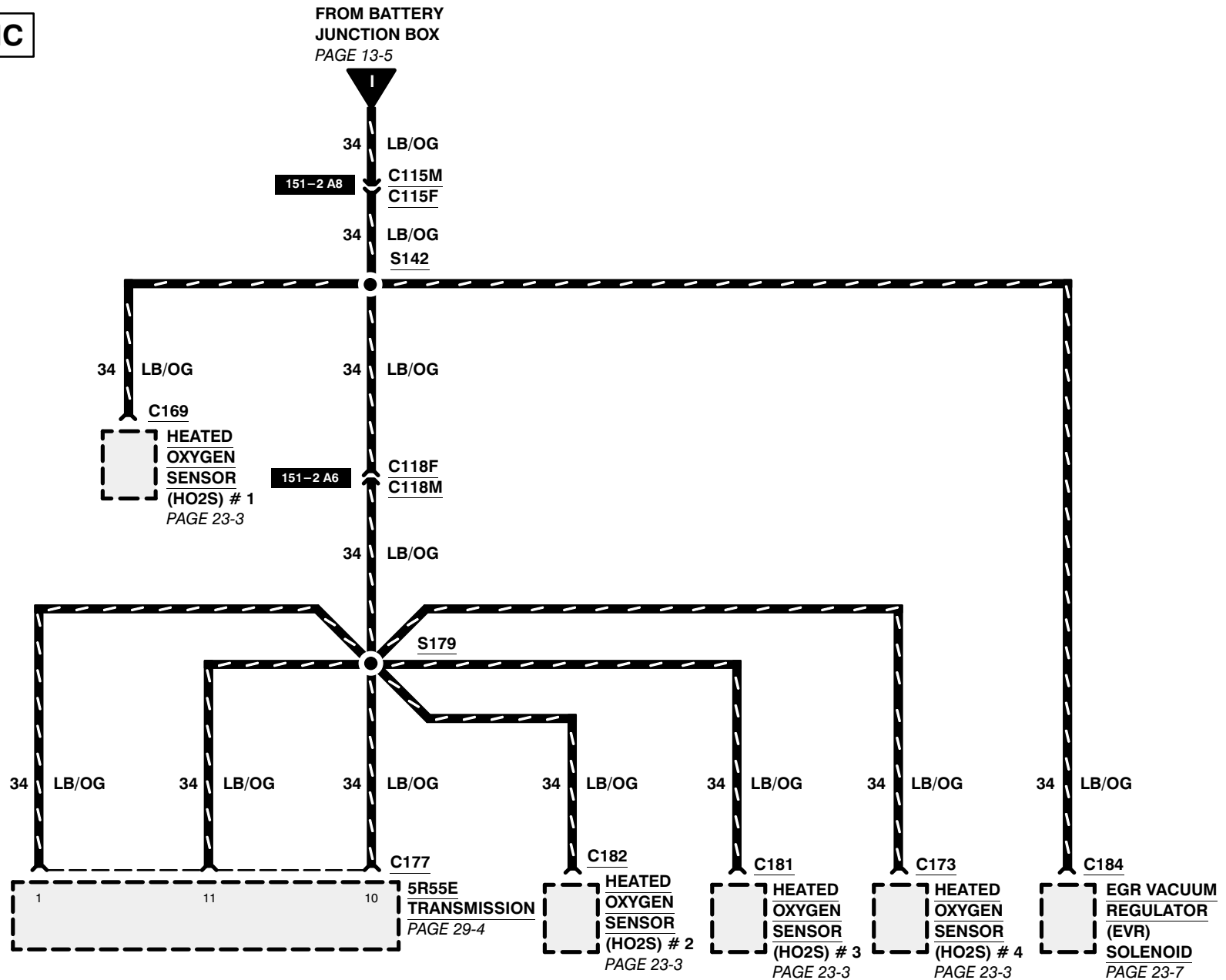
**FROM BATTERY  
JUNCTION BOX**  
*PAGE 13-5*



# 13-7 POWER DISTRIBUTION

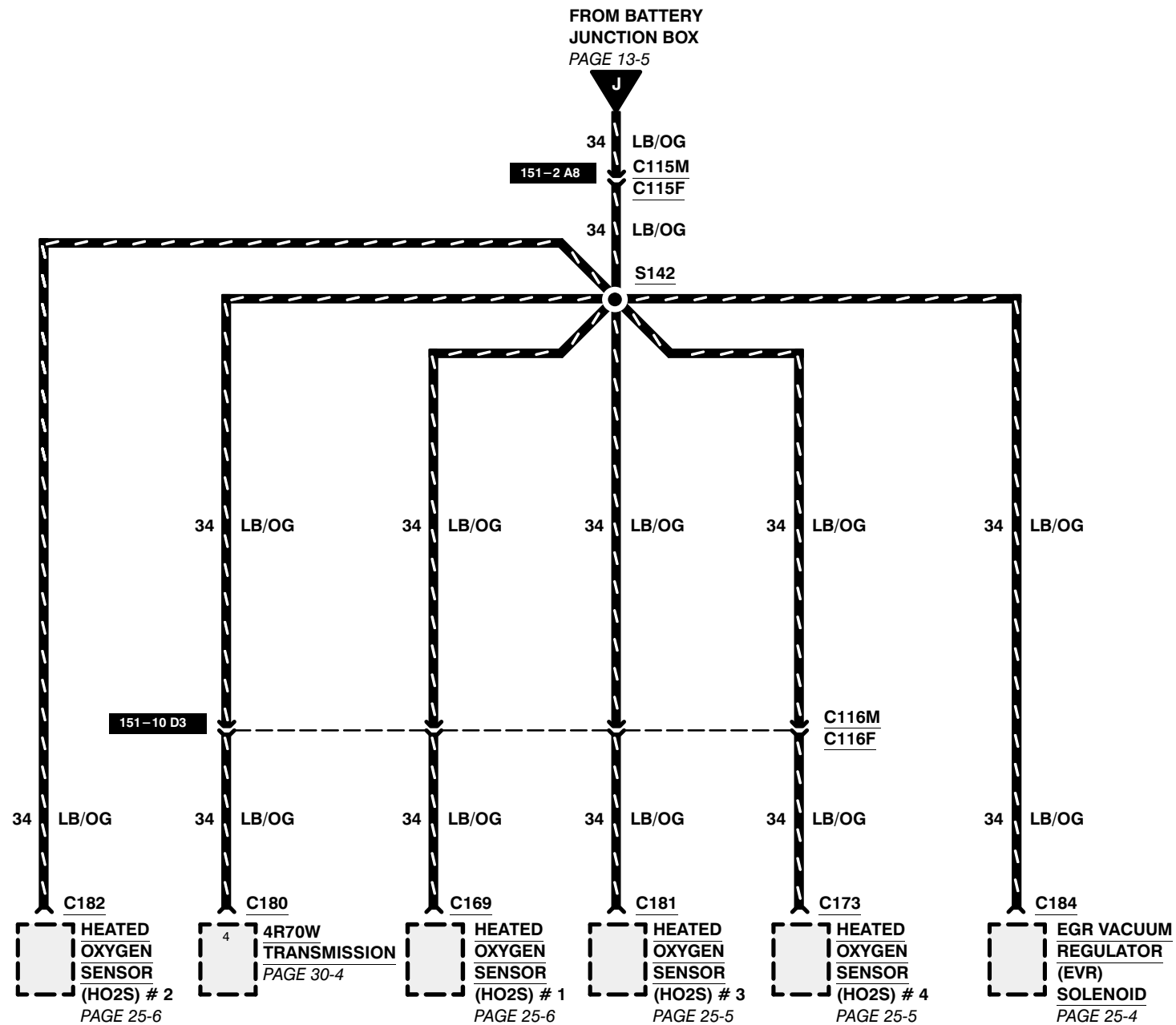
1999 EXPLORER/MOUNTAINEER

4.0L SOHC



**1999 EXPLORER/MOUNTAINEER**

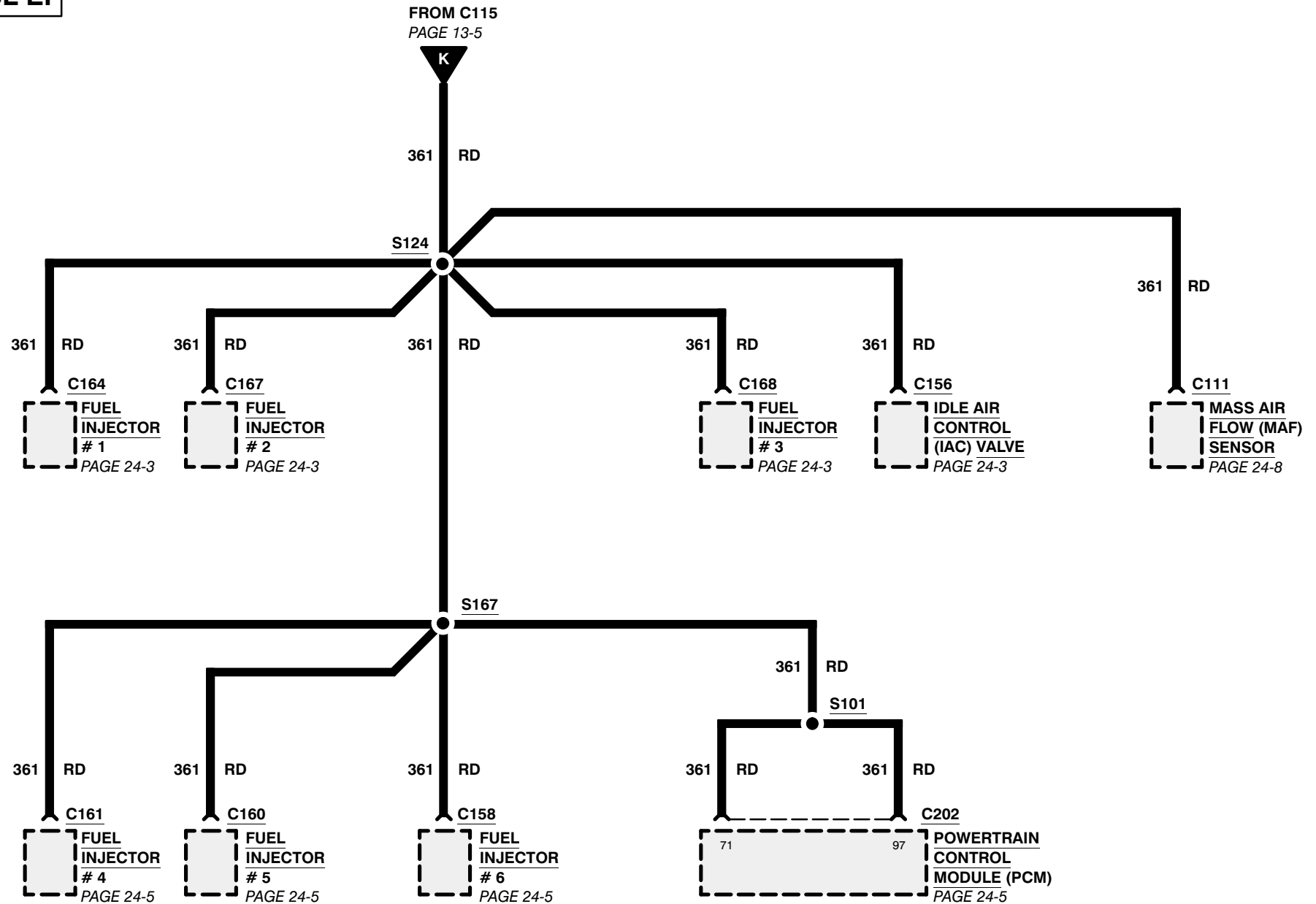
**5.0L**



# 13-9 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER

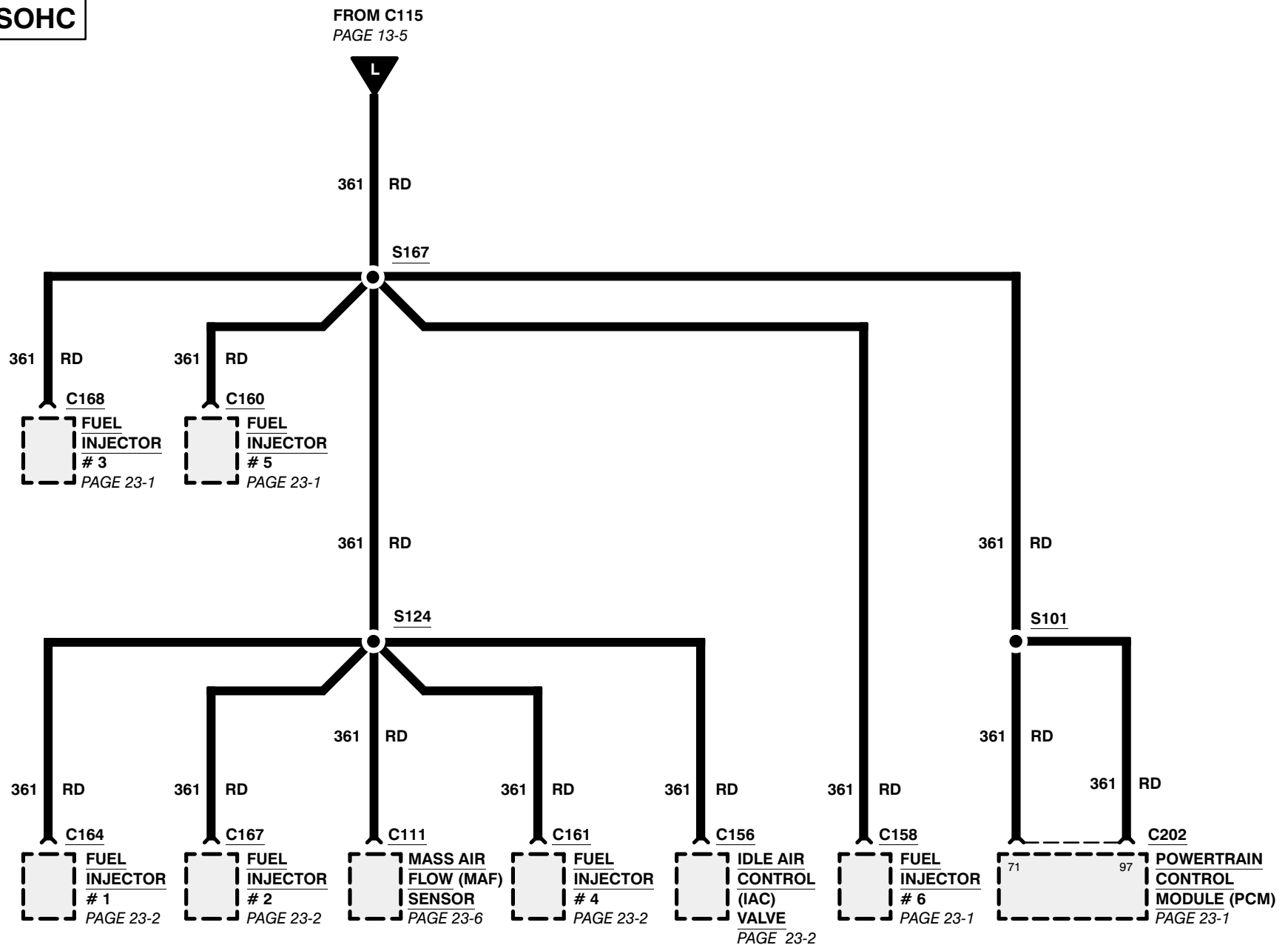
4.0L EI



# POWER DISTRIBUTION 13-10

1999 EXPLORER/MOUNTAINEER

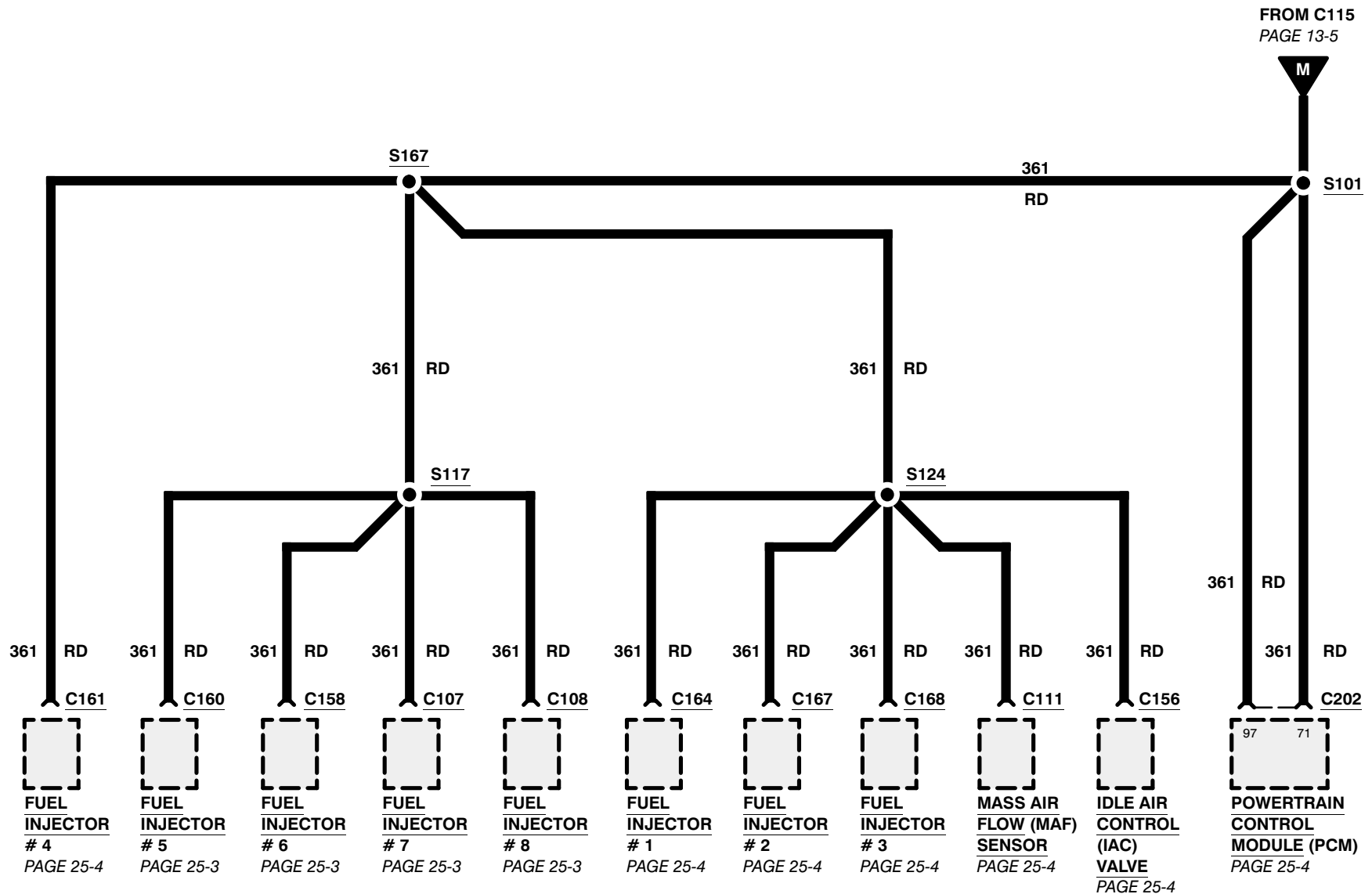
4.0L SOHC



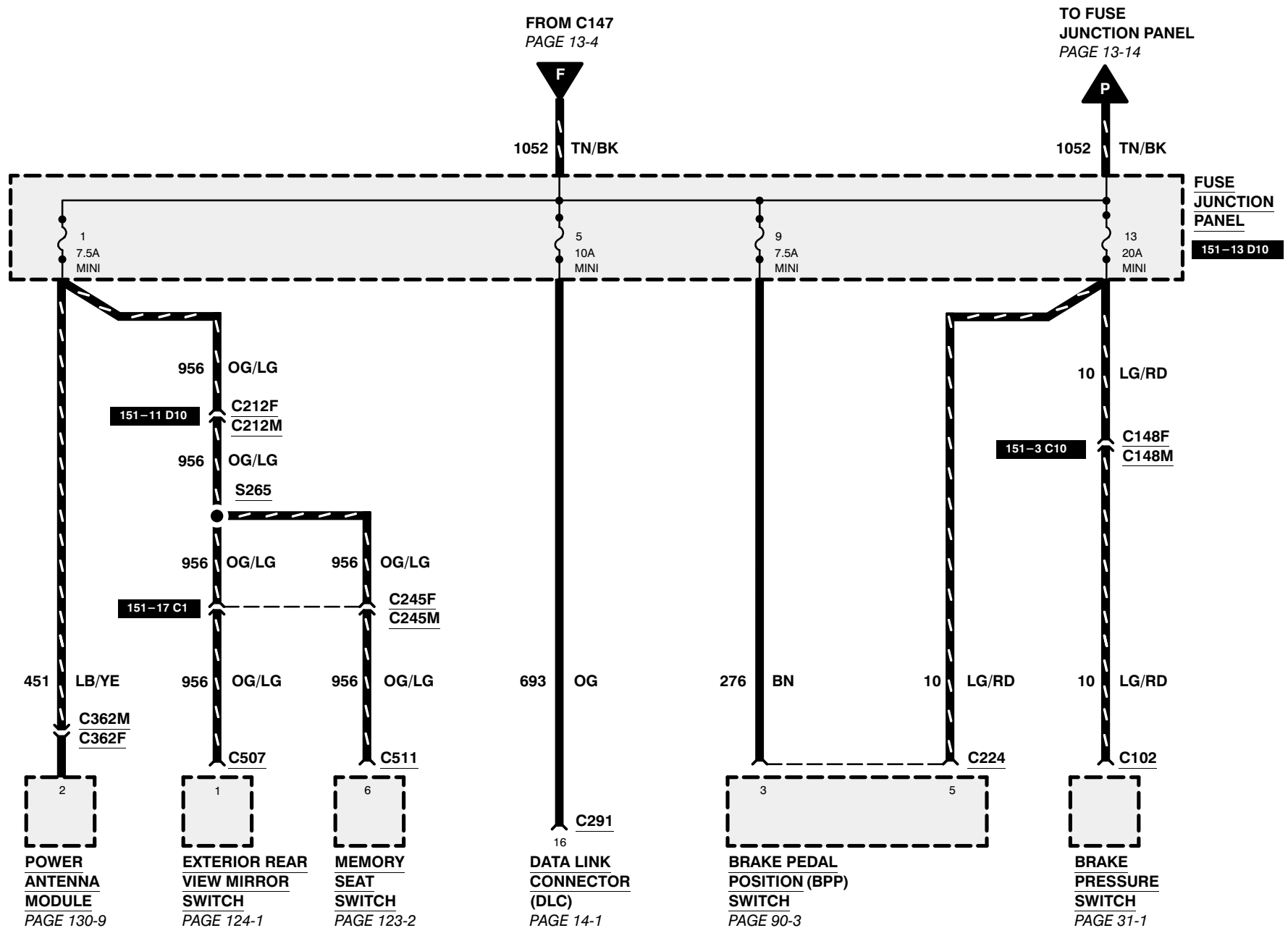
# 13-11 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER

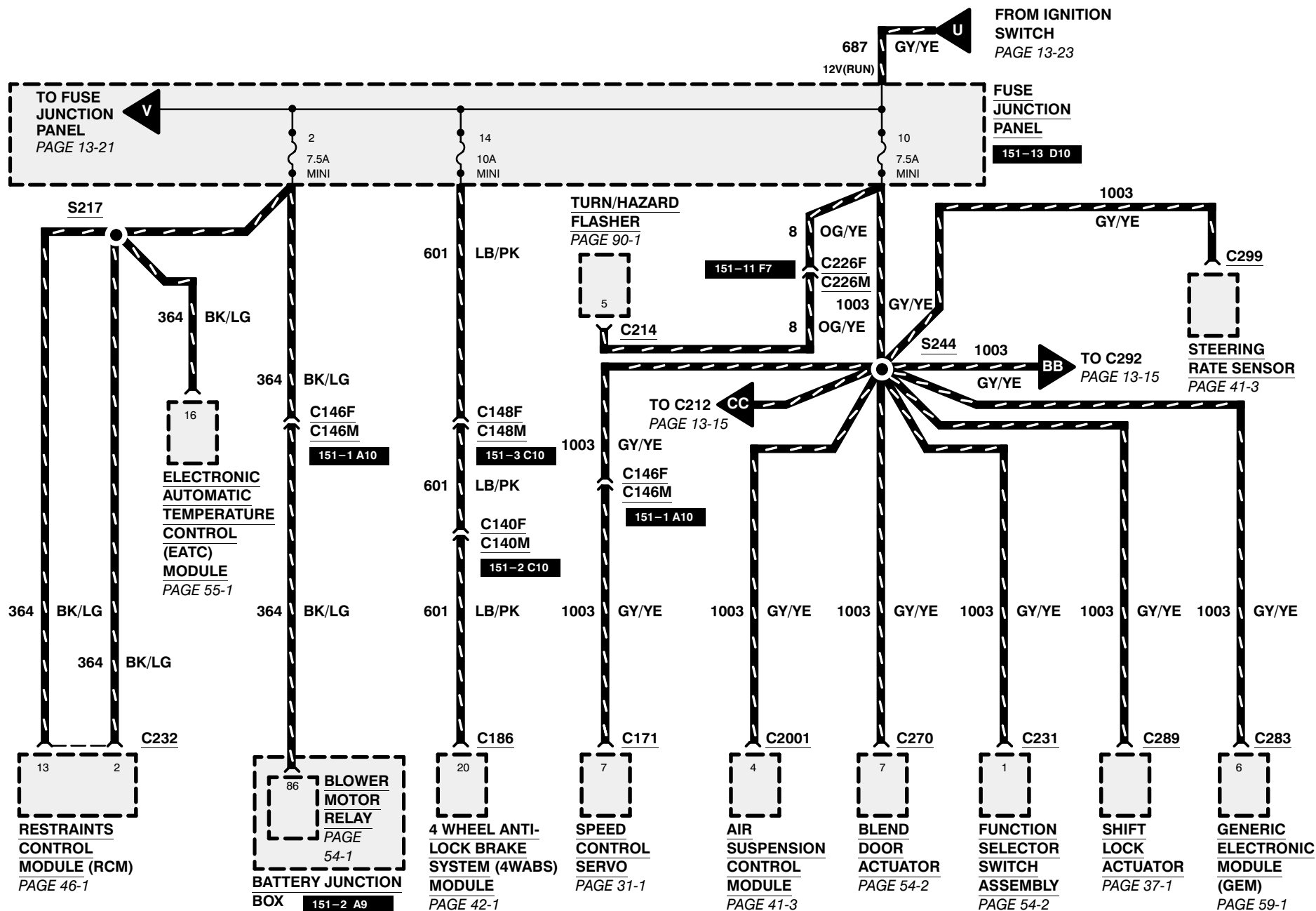
5.0L

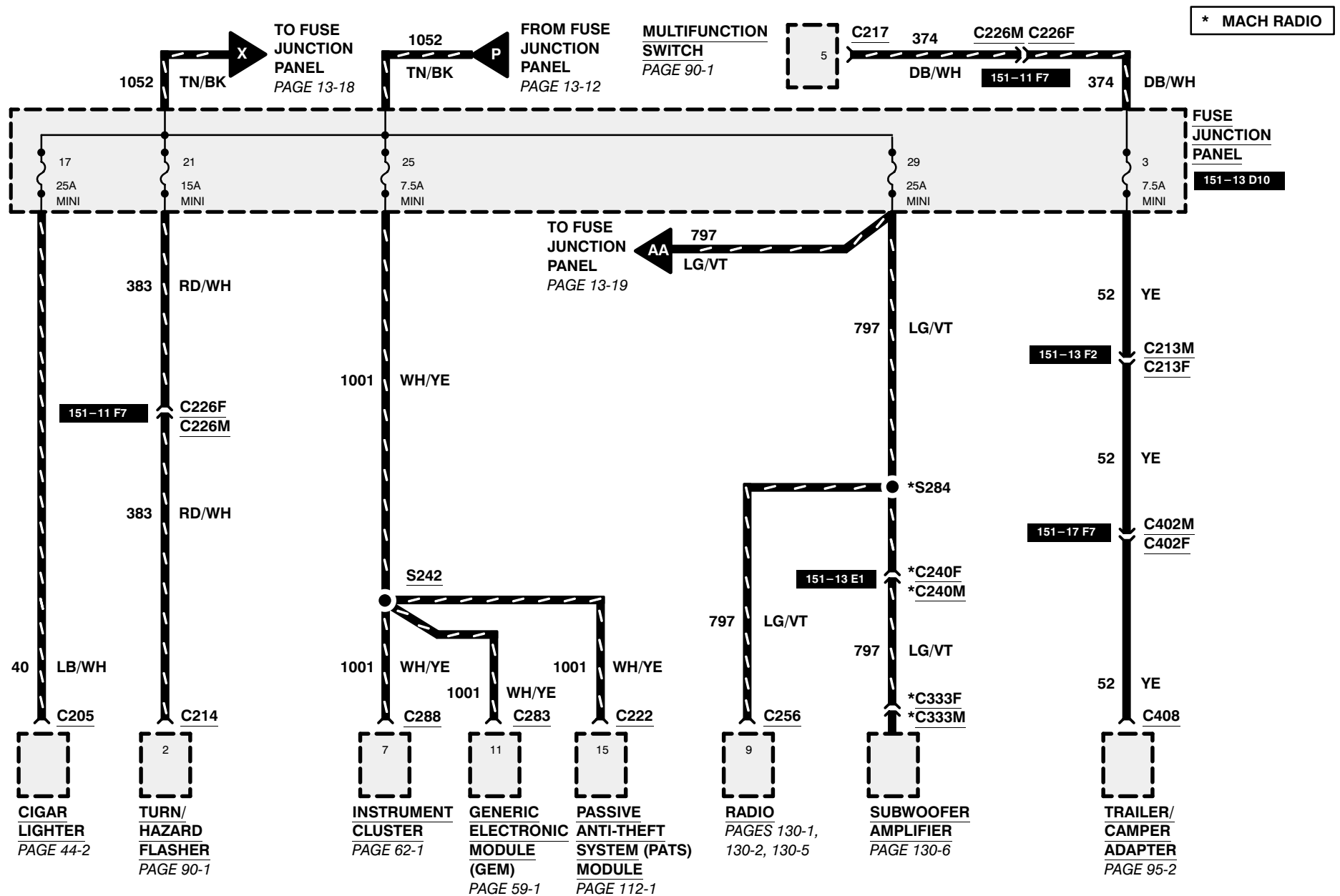


## POWER DISTRIBUTION 13-12



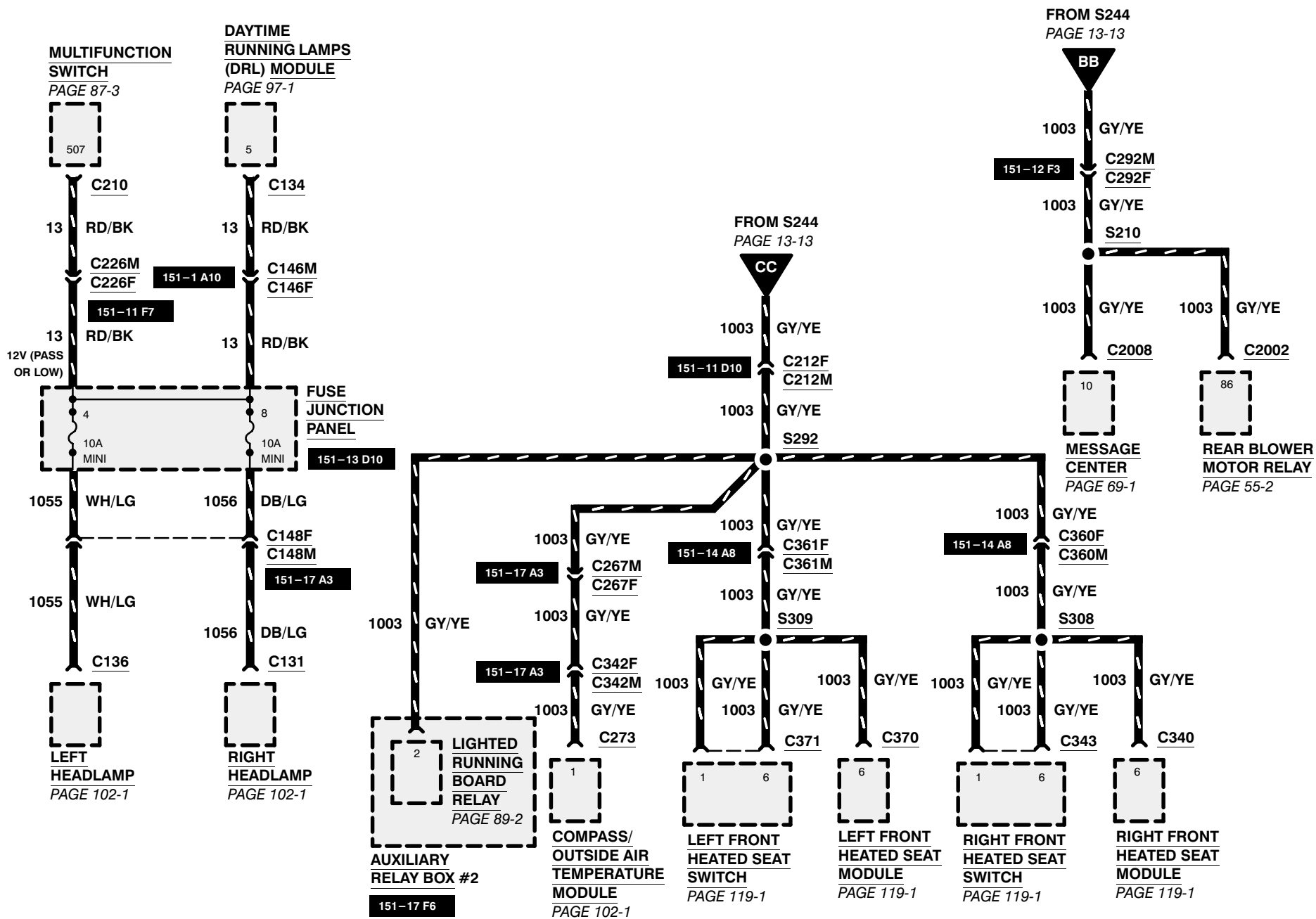
## 1999 EXPLORER/MOUNTAINEER

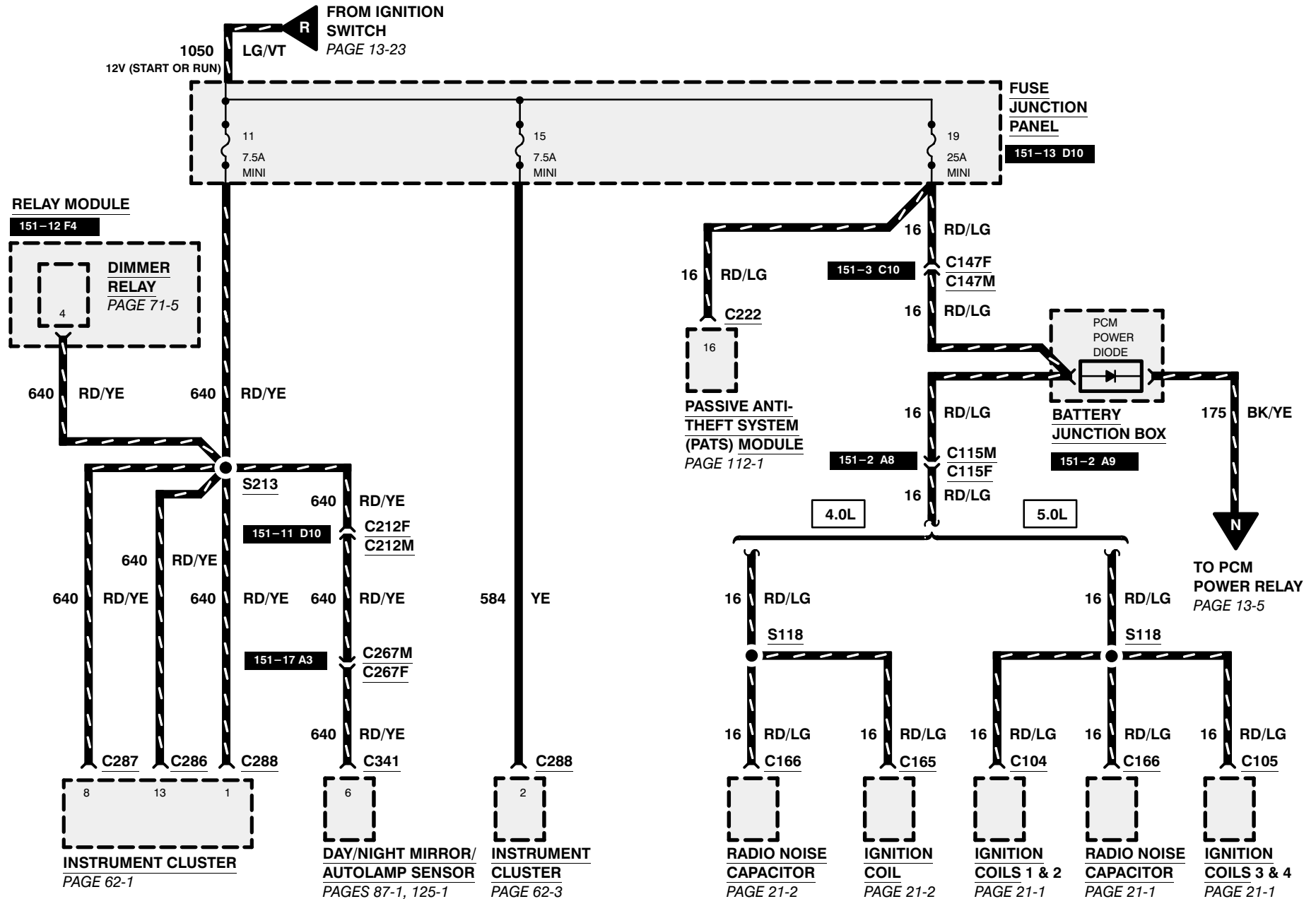


**1999 EXPLORER/MOUNTAINEER**

# 13-15 POWER DISTRIBUTION

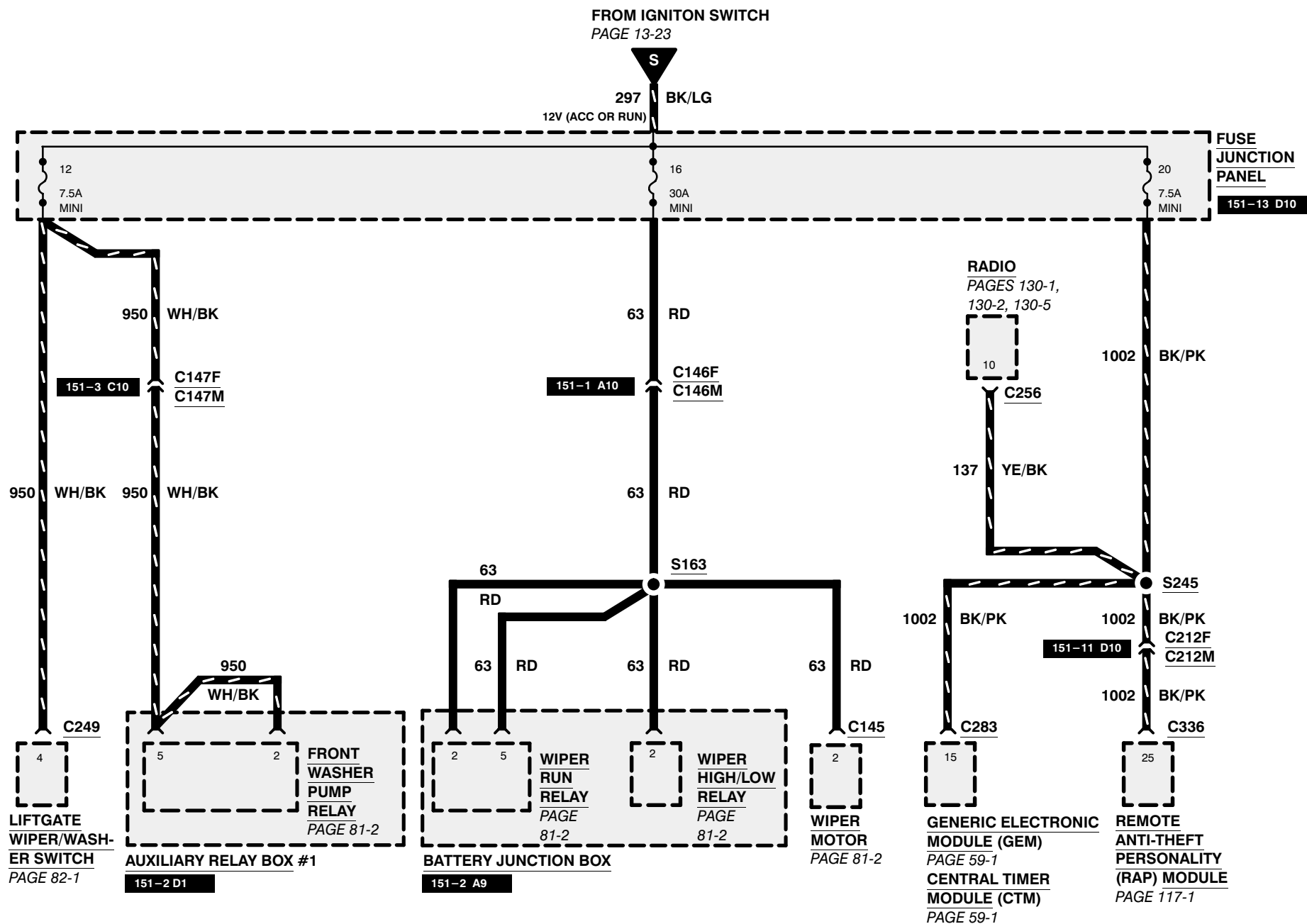
1999 EXPLORER/MOUNTAINEER



**1999 EXPLORER/MOUNTAINEER**

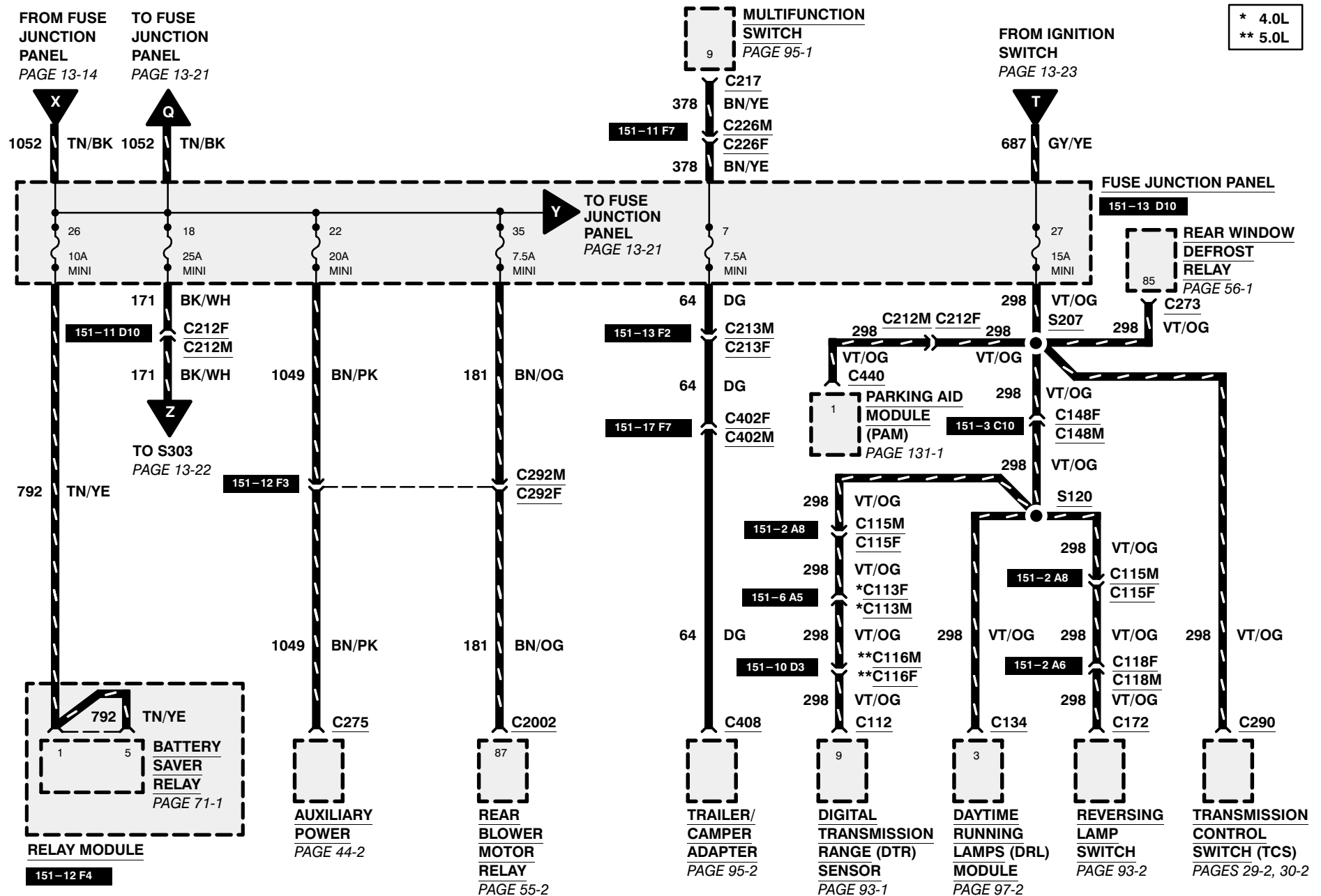
# 13-17 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER



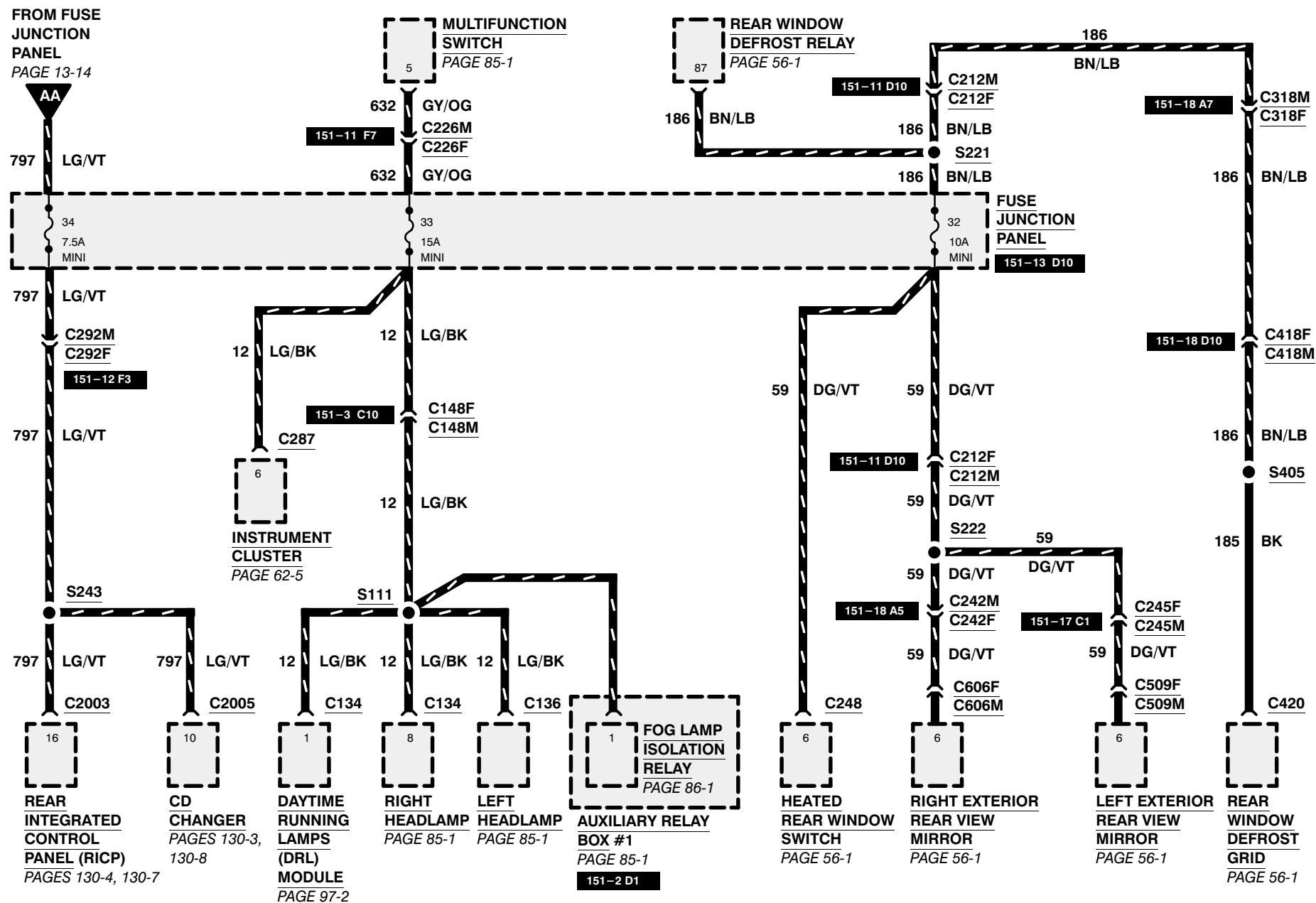
# POWER DISTRIBUTION 13-18

1999 EXPLORER/MOUNTAINEER



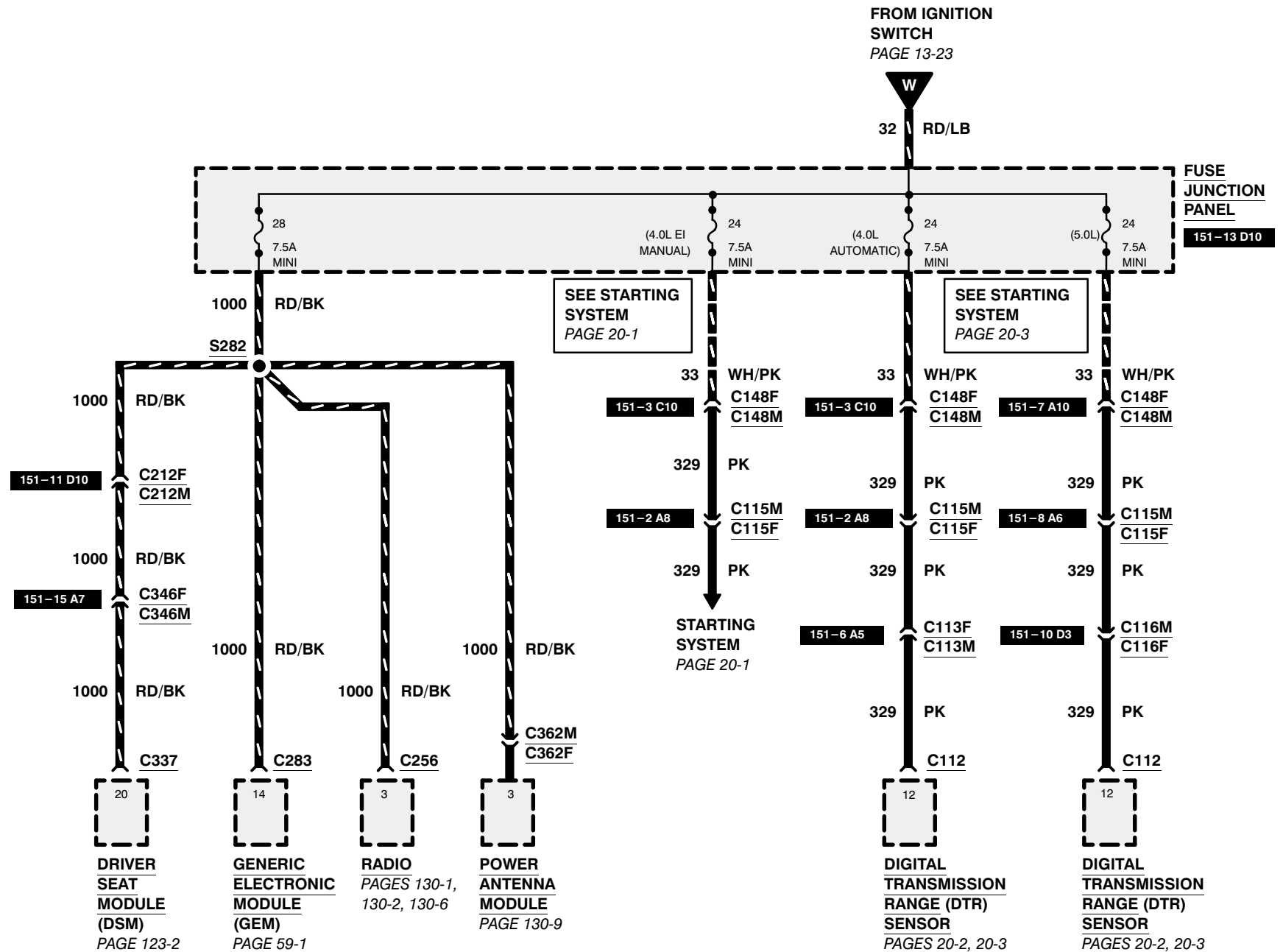
# 13-19 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER

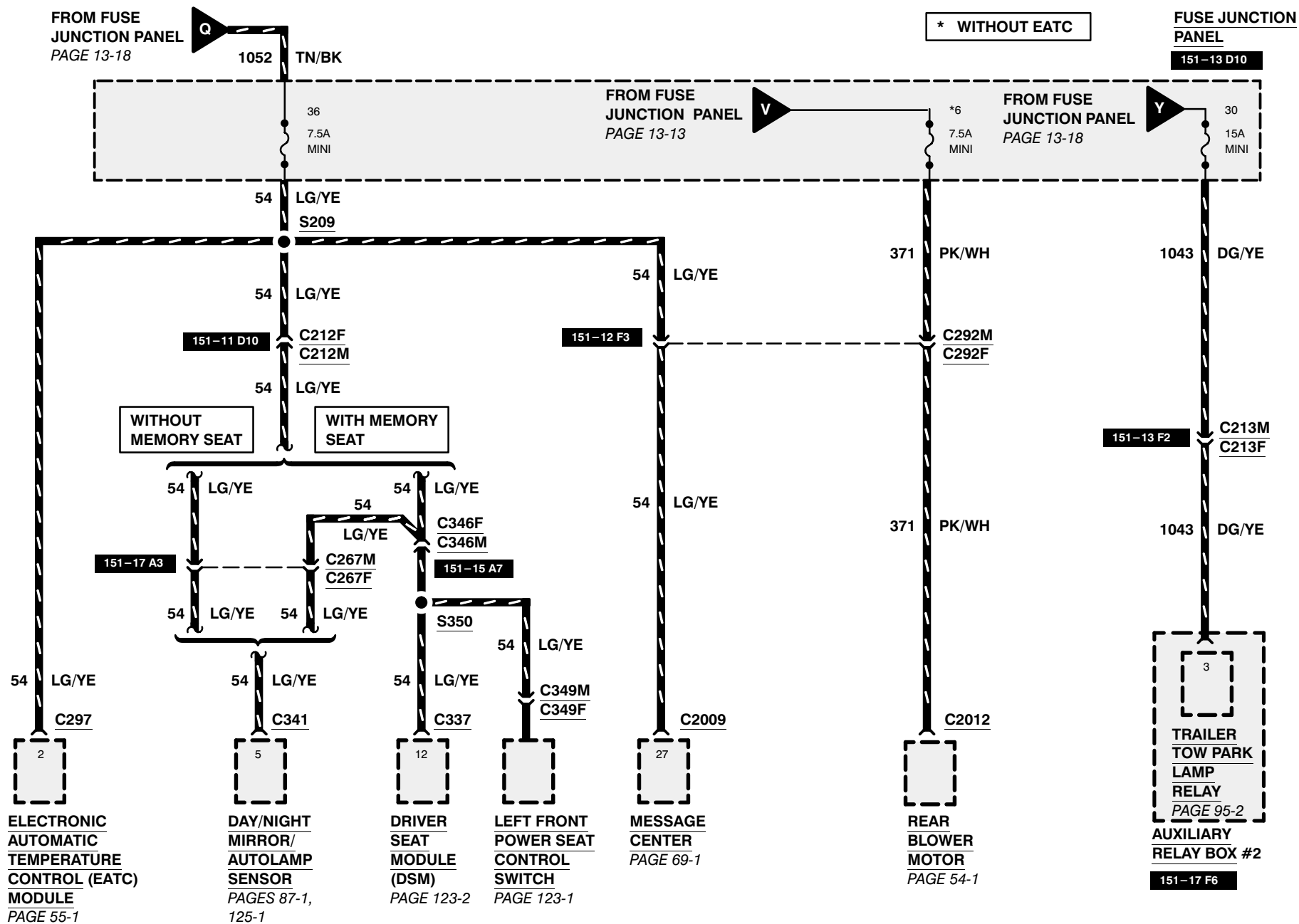


# POWER DISTRIBUTION 13-20

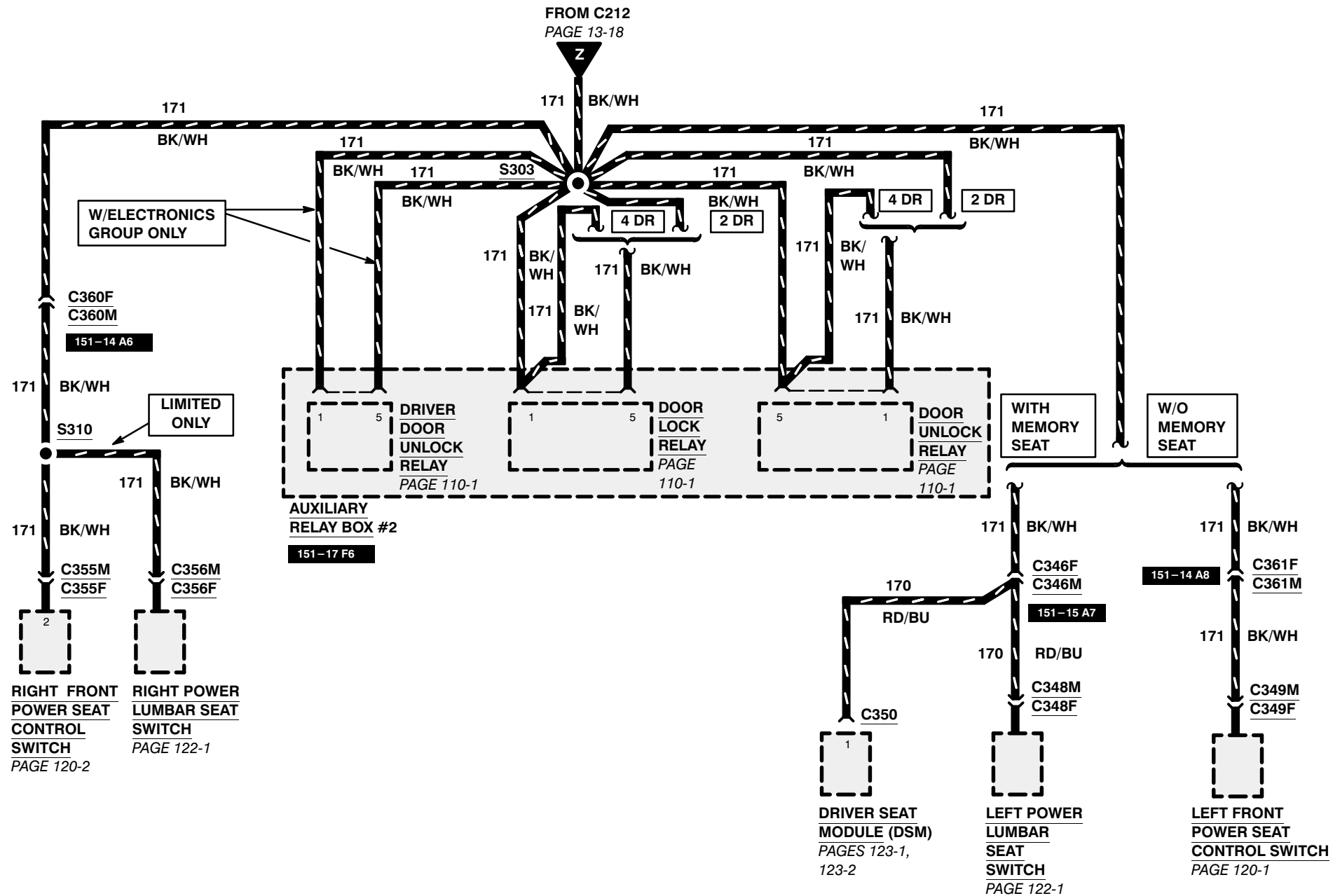
1999 EXPLORER/MOUNTAINEER



## 1999 EXPLORER/MOUNTAINEER

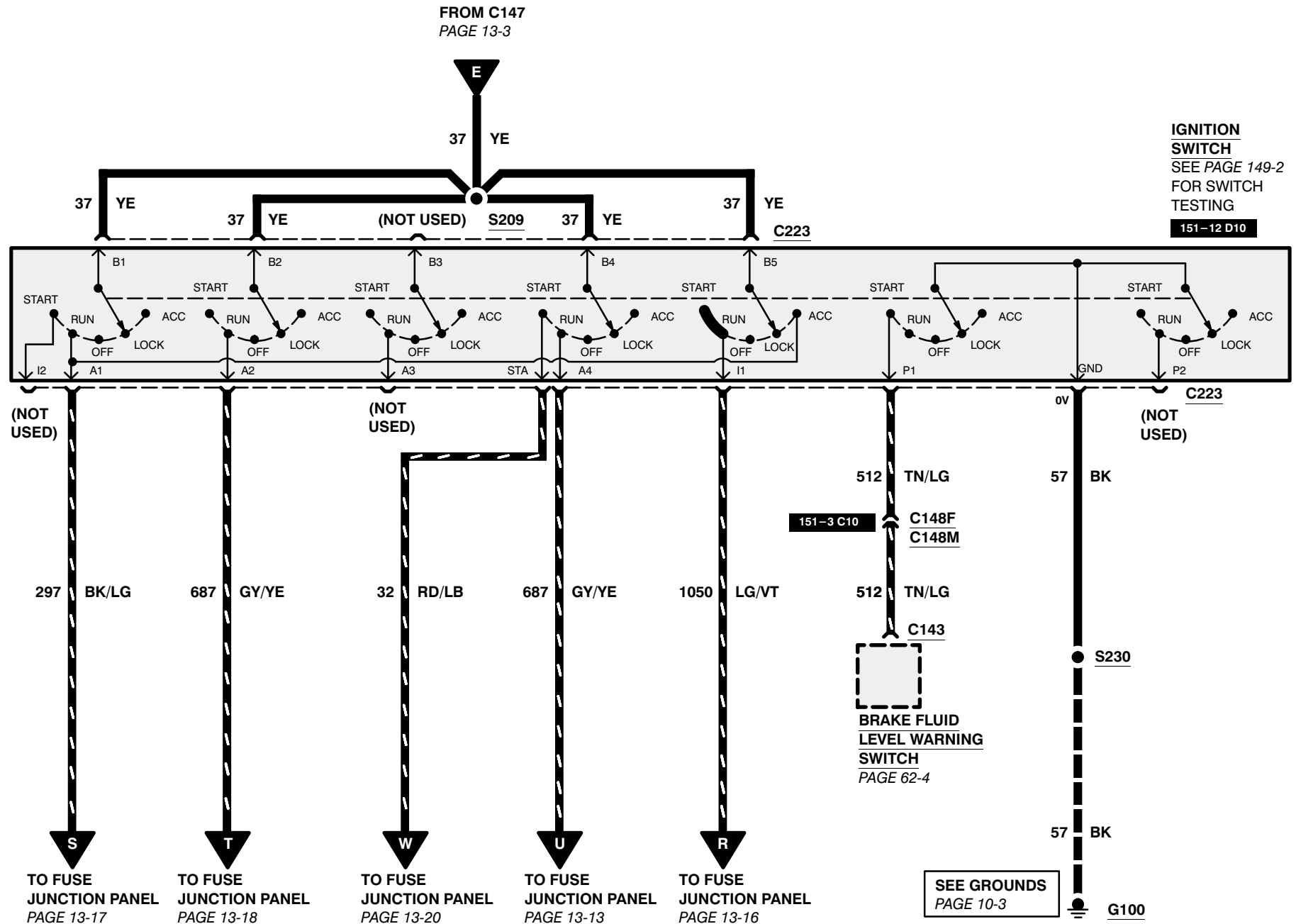


## 1999 EXPLORER/MOUNTAINEER



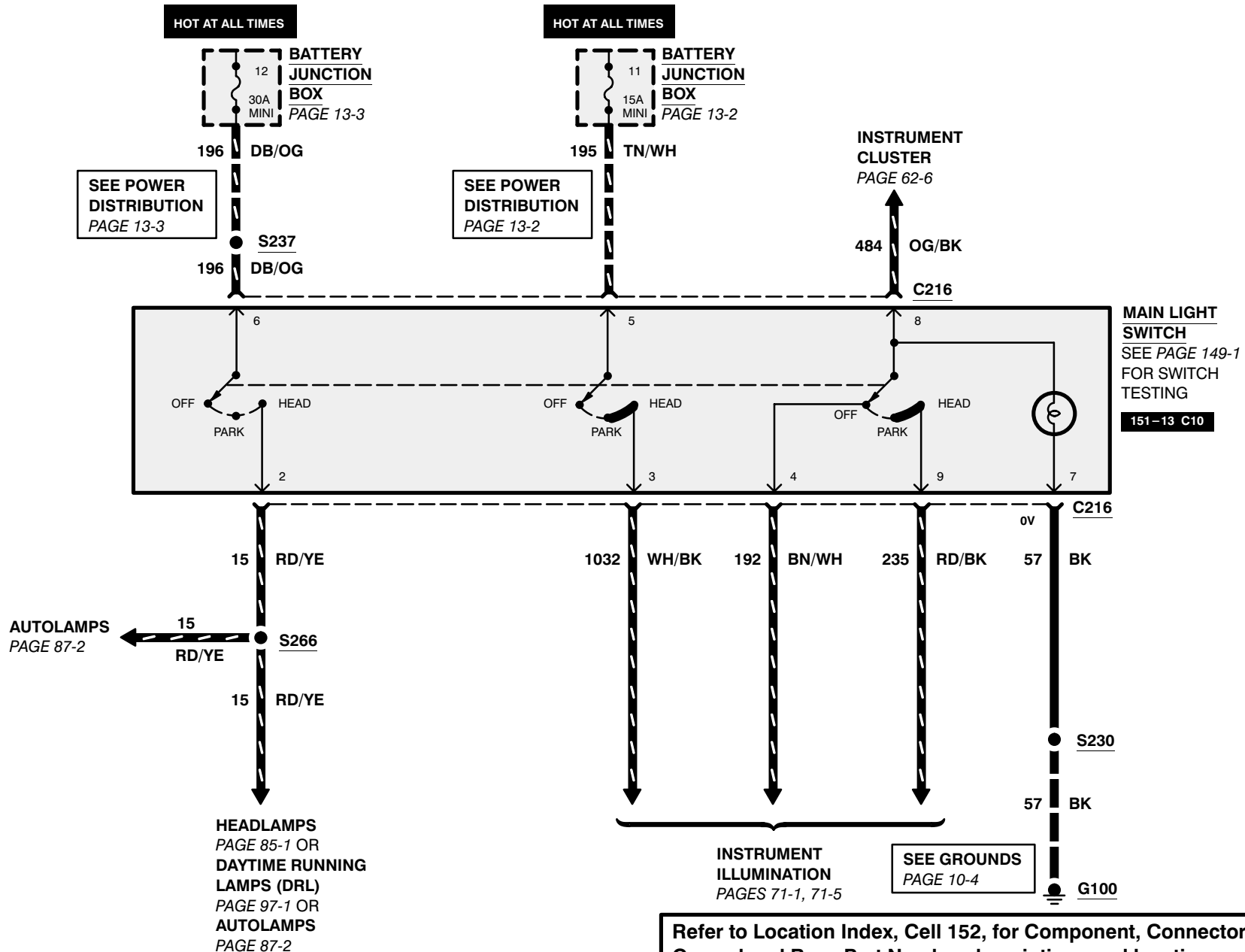
# 13-23 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER



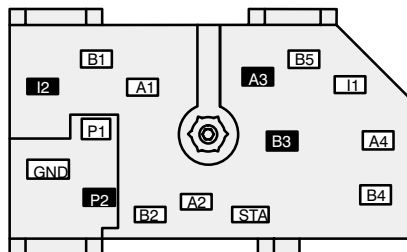
# POWER DISTRIBUTION 13-24

1999 EXPLORER/MOUNTAINEER



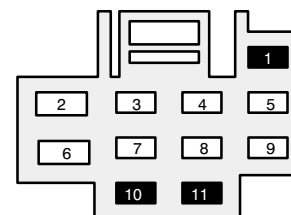
# 13-25 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER



**C223 (BLACK)**  
**IGNITION SWITCH**

| PIN | CIRCUIT      | CIRCUIT FUNCTION    |
|-----|--------------|---------------------|
| A1  | 297 (BK/LG)  | Acc/Run Output      |
| A2  | 687 (GY/YE)  | Run Output          |
| A3  | —            | NOT USED            |
| A4  | 687 (GY/YE)  | Run Output          |
| B1  | 37 (YE)      | Battery Input       |
| B2  | 37 (YE)      | Battery Input       |
| B3  | —            | NOT USED            |
| B4  | 37 (YE)      | Battery Input       |
| B5  | 37 (YE)      | Battery Input       |
| I1  | 1050 (LG/VT) | Start or Run Output |
| I2  | —            | NOT USED            |
| P1  | 512 (TN/LG)  | Lamp Proveout       |
| P2  | —            | NOT USED            |
| STA | 32 (RD/LB)   | Start Output        |
| GND | 57 (BK)      | Ground              |

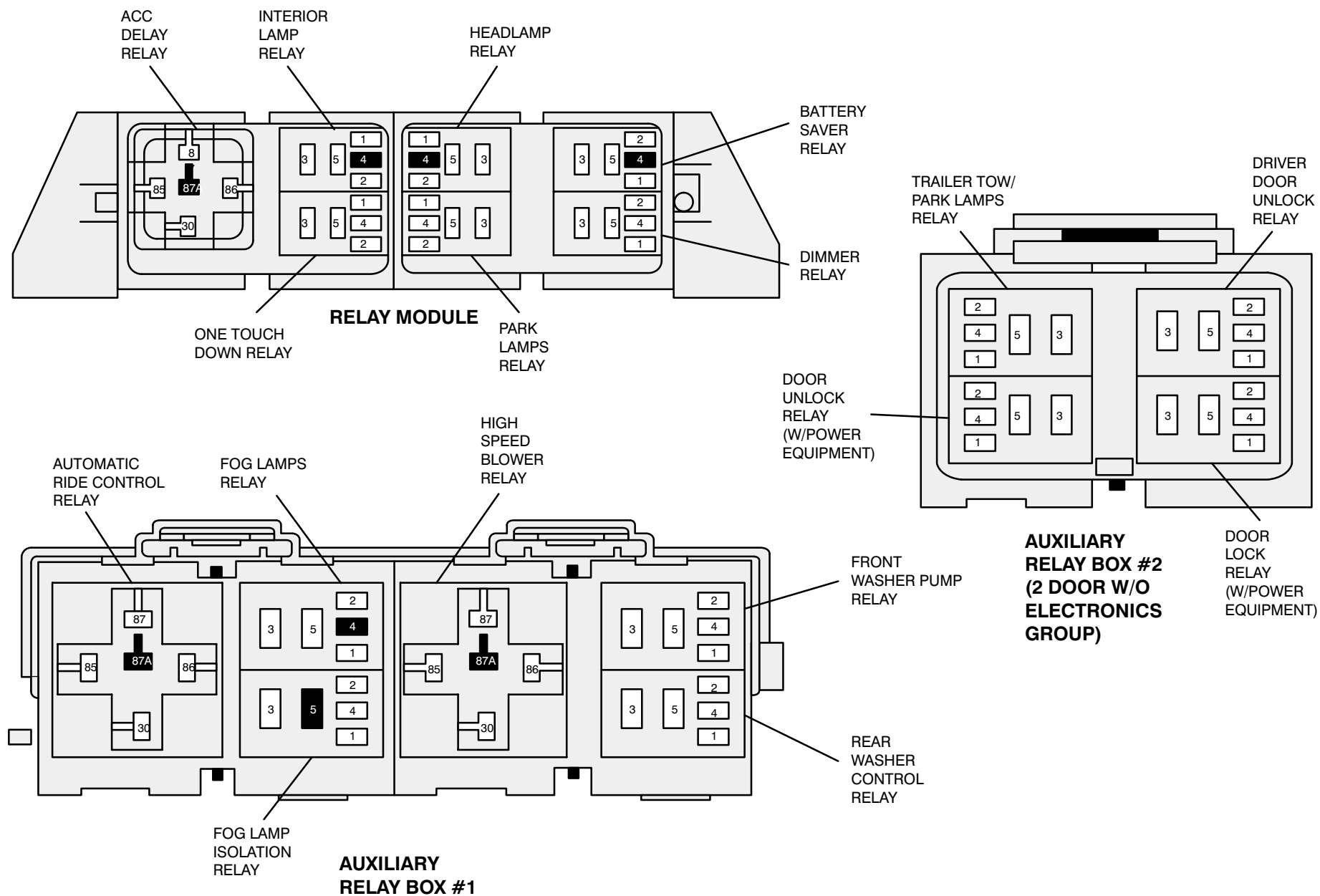


**C216 (BLACK)**  
**MAIN LIGHT SWITCH**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                    |
|-----|--------------|-------------------------------------|
| 1   | —            | NOT USED                            |
| 2   | 15 (RD/YE)   | Headlamp Circuit to Dimmer Switch   |
| 3   | 1032 (WH/BK) | Park Lamp Relay Feed                |
| 4   | 192 (BN/WH)  | Ignition-Warning Lamp Proveout Feed |
| 5   | 195 (TN/WH)  | Park Lamp (Hot at All Times)        |
| 6   | 196 (DB/OG)  | Power (Hot at All Times)            |
| 7   | 57 (BK)      | Ground                              |
| 8   | 484 (OG/BK)  | Headlamp Switch Power Input         |
| 9   | 235 (RD/BK)  | Lamp Return to Pulse Width Dimmer   |
| 10  | —            | NOT USED                            |
| 11  | —            | NOT USED                            |

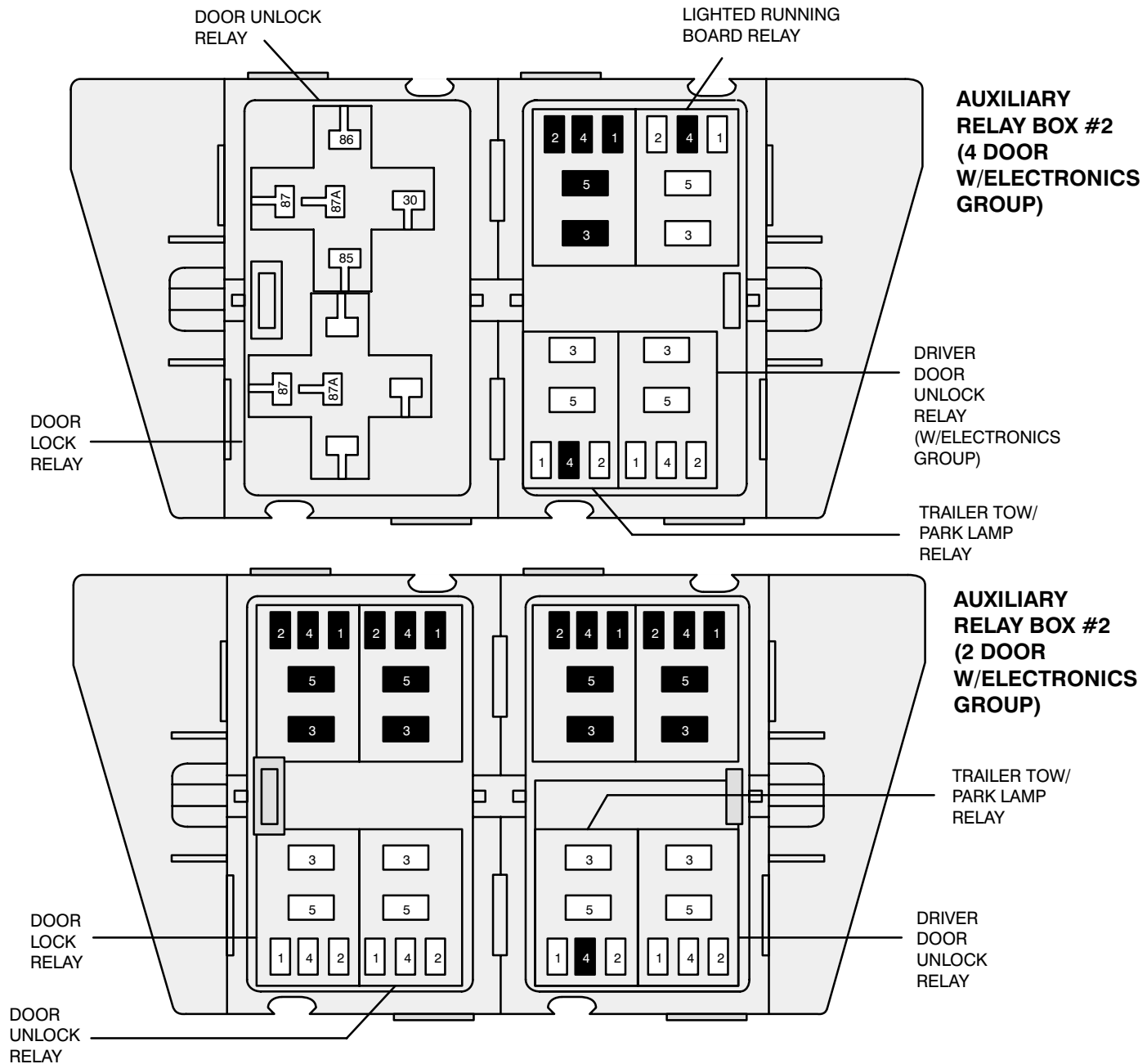
# POWER DISTRIBUTION 13-26

1999 EXPLORER/MOUNTAINEER



# 13-27 POWER DISTRIBUTION

1999 EXPLORER/MOUNTAINEER



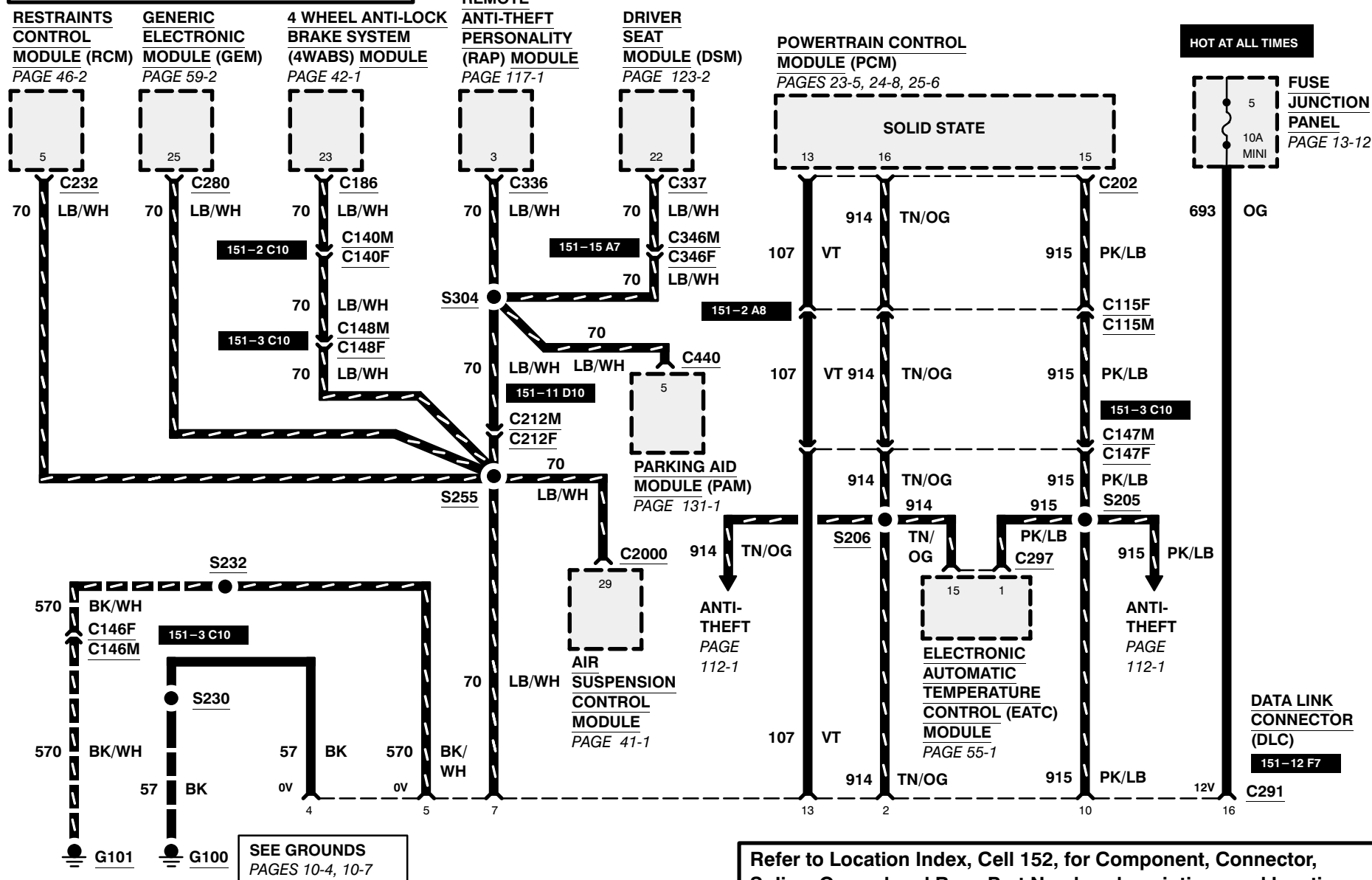
# NOTES 13-28

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# 14-1 MULTIPLEX COMMUNICATION NETWORK

1999 EXPLORER/MOUNTAINEER

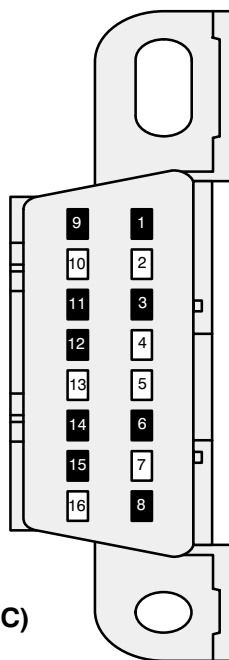
For diagnostic information, refer to the Section 418-00 of the Workshop Manual.



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

# MULTIPLEX COMMUNICATION NETWORK 14-2

1999 EXPLORER/MOUNTAINEER



**C291 (BLACK)  
DATA LINK CONNECTOR (DLC)**

## CONNECTOR REFERENCE LIST

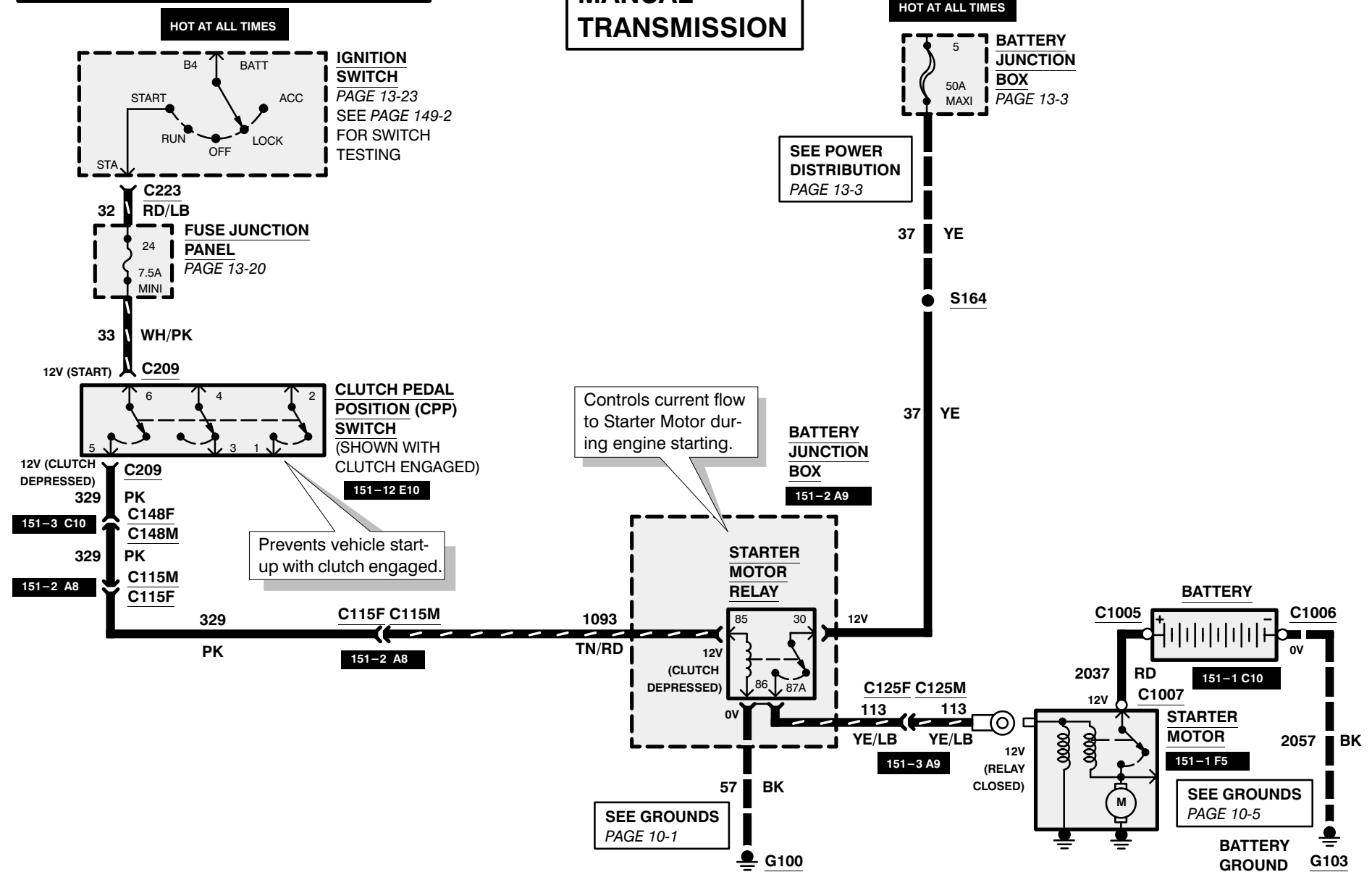
| CONNECTOR | SECTION-PAGE        |
|-----------|---------------------|
| C186      | 42-3                |
| C202      | 23-8,<br>24-9, 25-8 |
| C233      | 46-4                |
| C280      | 59-7                |
| C336      | 117-4               |
| C337      | 123-5               |

| PIN | CIRCUIT     | CIRCUIT FUNCTION           |
|-----|-------------|----------------------------|
| 1   | —           | NOT USED                   |
| 2   | 914 (TN/OG) | SCP Data Bus (+)           |
| 3   | —           | NOT USED                   |
| 4   | 57 (BK)     | Ground                     |
| 5   | 570 (BK/WH) | Ground                     |
| 6   | —           | NOT USED                   |
| 7   | 70 (LB/WH)  | ISO 9141                   |
| 8   | —           | NOT USED                   |
| 9   | —           | NOT USED                   |
| 10  | 915 (PK/LB) | SCP Data Bus (—)           |
| 11  | —           | NOT USED                   |
| 12  | —           | NOT USED                   |
| 13  | 107 (VT)    | Reprogramming Power Supply |
| 14  | —           | NOT USED                   |
| 15  | —           | NOT USED                   |
| 16  | 693 (OG)    | Power (Hot at All Times)   |

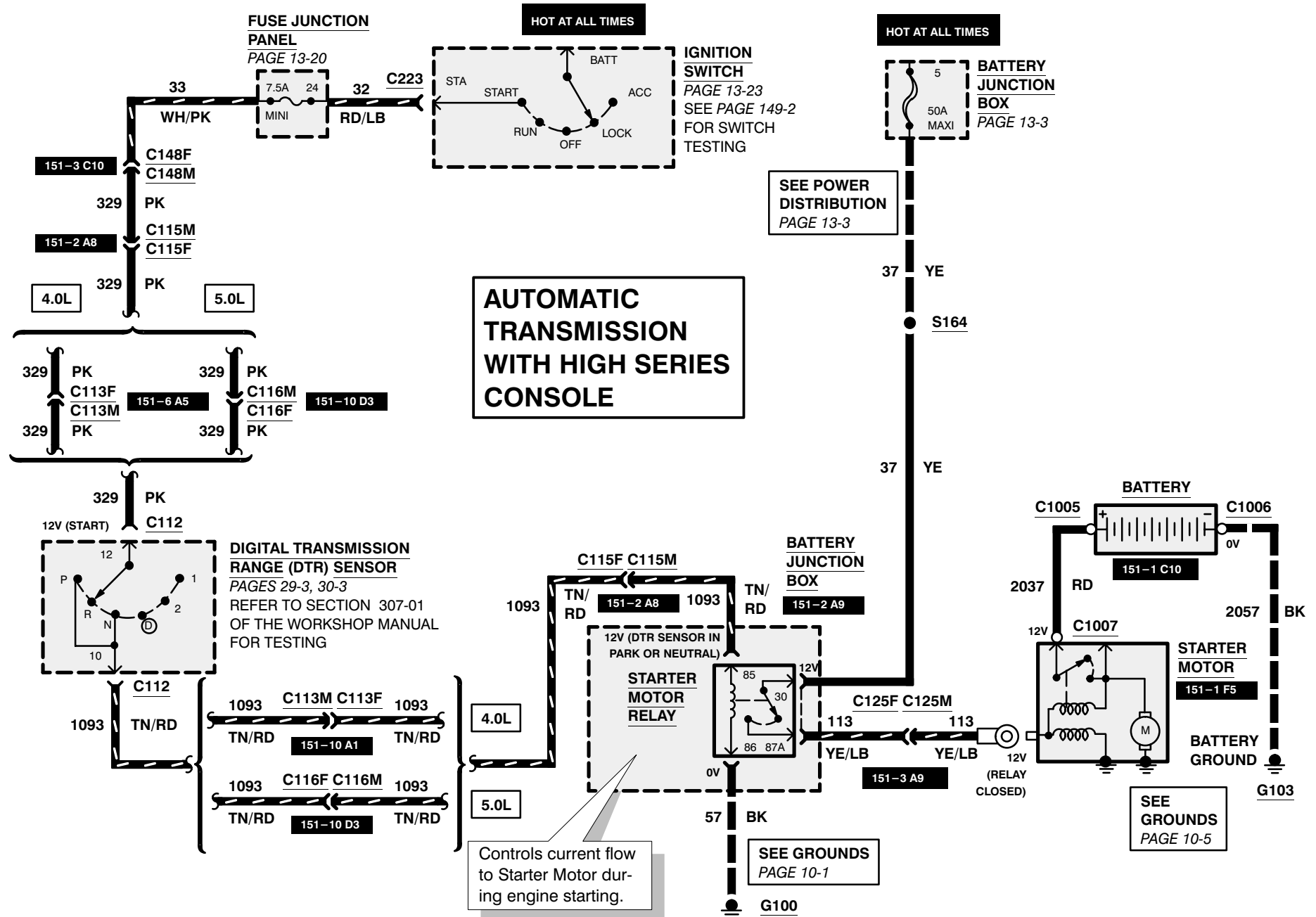
# 20-1 STARTING SYSTEM

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to  
Section 303-06 of the Workshop Manual.

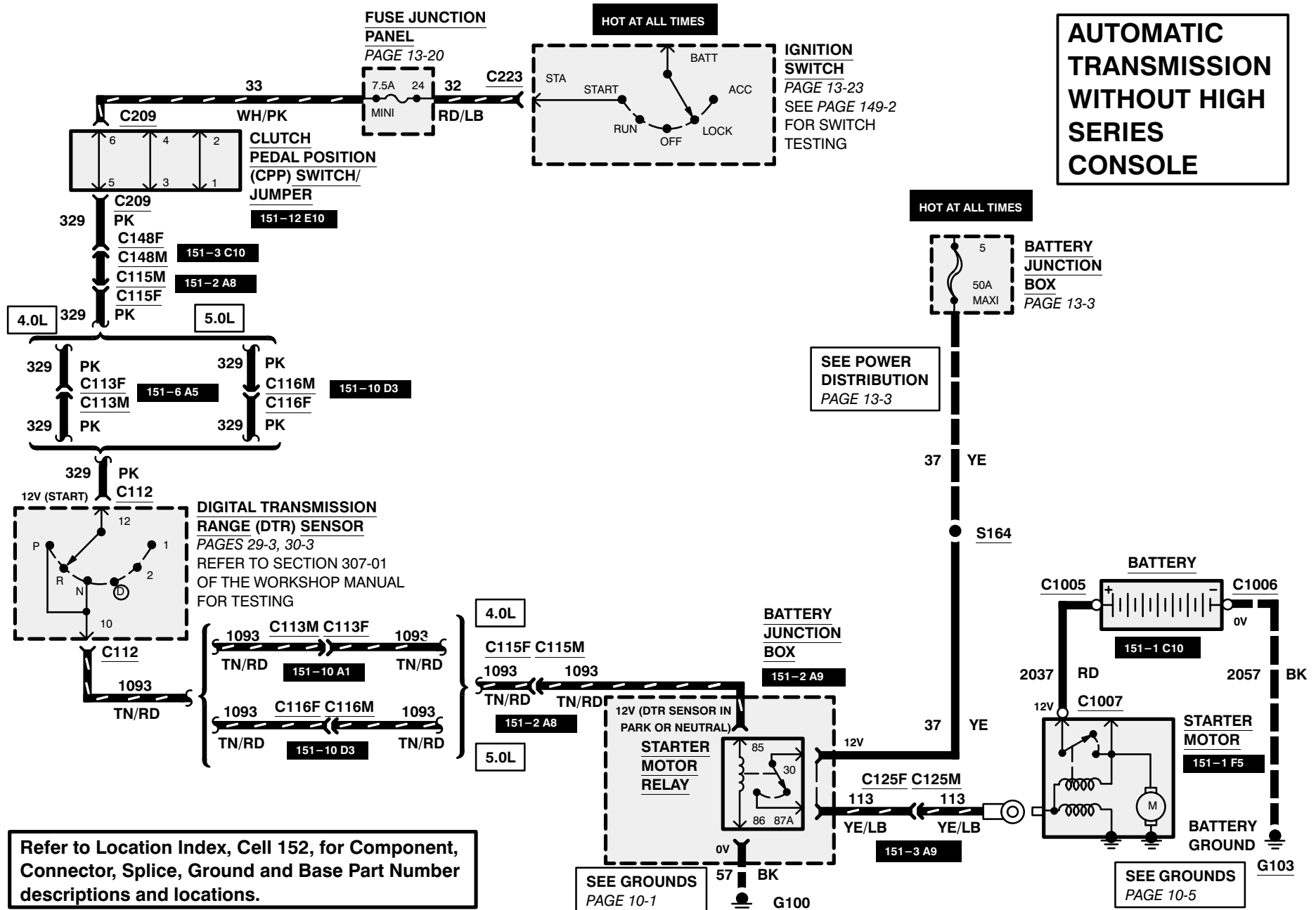


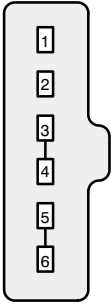
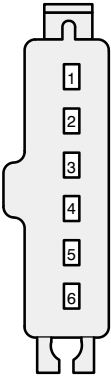
## 1999 EXPLORER/MOUNTAINEER



# 20-3 STARTING SYSTEM

1999 EXPLORER/MOUNTAINEER



| <div></div> <p><b>C209 (BLACK)</b><br/><b>CLUTCH PEDAL POSITION (CPP) SWITCH/JUMPER</b></p> |             |                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------|
| PIN                                                                                                                                                                                                                                                             | CIRCUIT     | CIRCUIT FUNCTION                        |
| 1                                                                                                                                                                                                                                                               | 199 (LB/YE) | Output to Powertrain Control Module     |
| 2                                                                                                                                                                                                                                                               | 359 (GY/RD) | Signal Return                           |
| 3                                                                                                                                                                                                                                                               | 306 (TN/LB) | Speed Control Amplifier Feed            |
| 4                                                                                                                                                                                                                                                               | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Input |
| 5                                                                                                                                                                                                                                                               | 329 (PK)    | Start Signal Feed                       |
| 6                                                                                                                                                                                                                                                               | 33 (WH/PK)  | Power (Hot at All Times)                |

CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C112      | 29-5         |
| C222      | 112-2        |
| C223      | 13-25        |

**1999 EXPLORER/MOUNTAINEER**

\* 12V START OR RUN

## 5.0L

**FUSE**  
**JUNCTION**  
**PANEL**  
*PAGES 13-16*

**ANTI-THEFT**  
PAGE 112-1

Each coil fires two spark plugs simultaneously. The plugs are paired so that one fires on the compression stroke and the other on the exhaust stroke.

**SEE POWER  
DISTRIBUTION  
PAGE 13-16**

151-8 C10

151-8 F4

Suppresses ignition system noise.



**RADIO NOISE  
CAPACITOR**

**151-1 A5**

**POWERTRAIN  
CONTROL  
MODULE (PCM)**  
PAGE 25-2

Provides crankshaft position information to the PCM.

Uses information from various sensors/actuators to determine engine/transmission operating conditions.

**SEE GROUNDS**  
*PAGE 10-6*

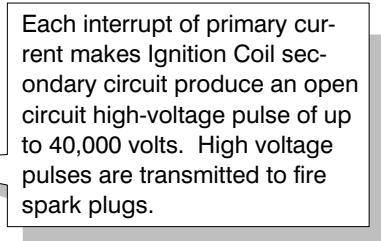
## CRANKSHAFT POSITION (CKP) SENSOR

151-1 F4

## 1999 EXPLORER/MOUNTAINEER

\* 12V START OR RUN

| CONNECTOR    | SECTION-PAGE              |
|--------------|---------------------------|
| C202<br>C223 | 23-8, 24-9, 25-8<br>13-25 |

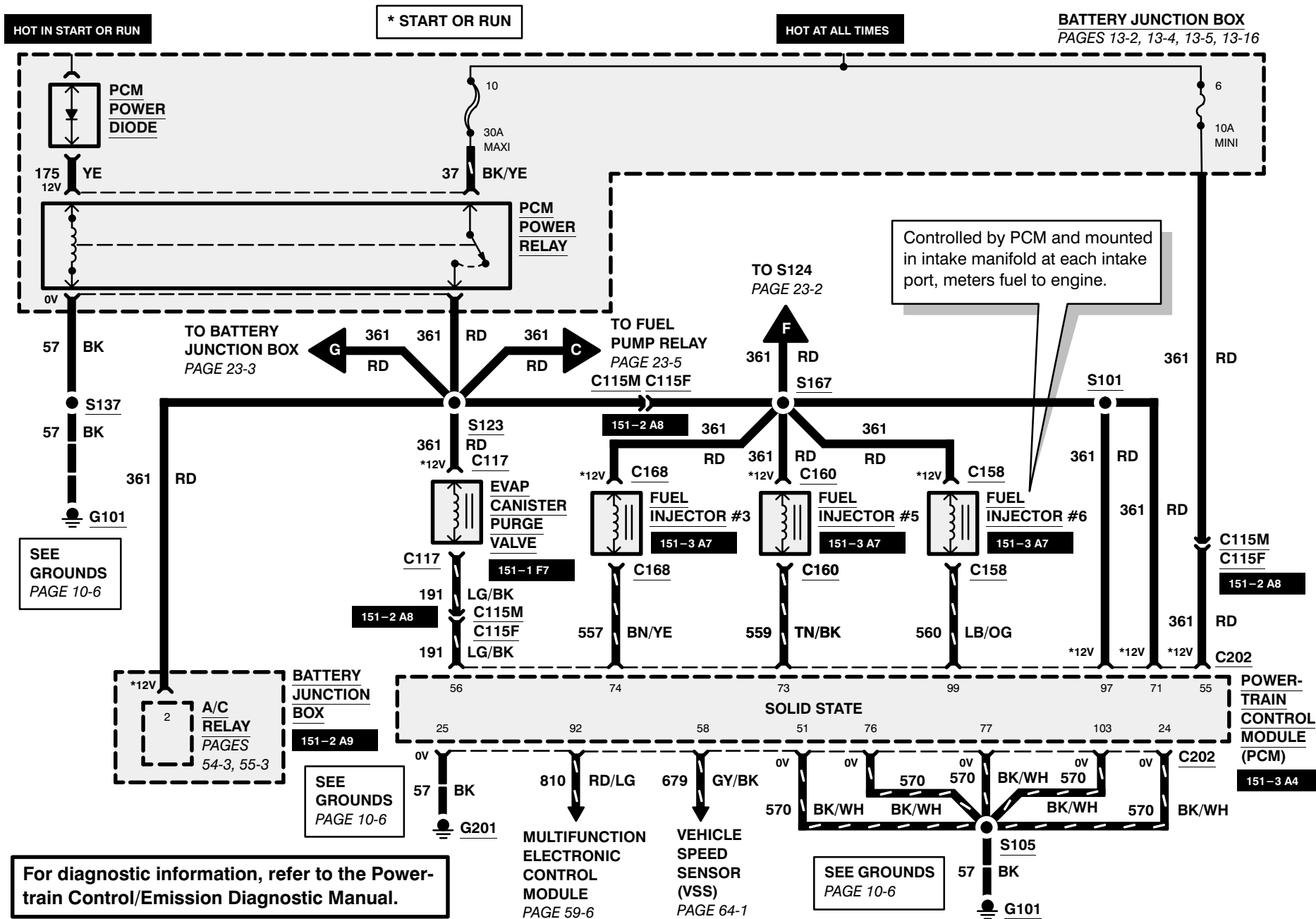


**SEE GROUNDS**  
*PAGE 10-6*

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

# 23-1 ENGINE CONTROLS (4.0L SOHC)

1999 EXPLORER/MOUNTAINEER



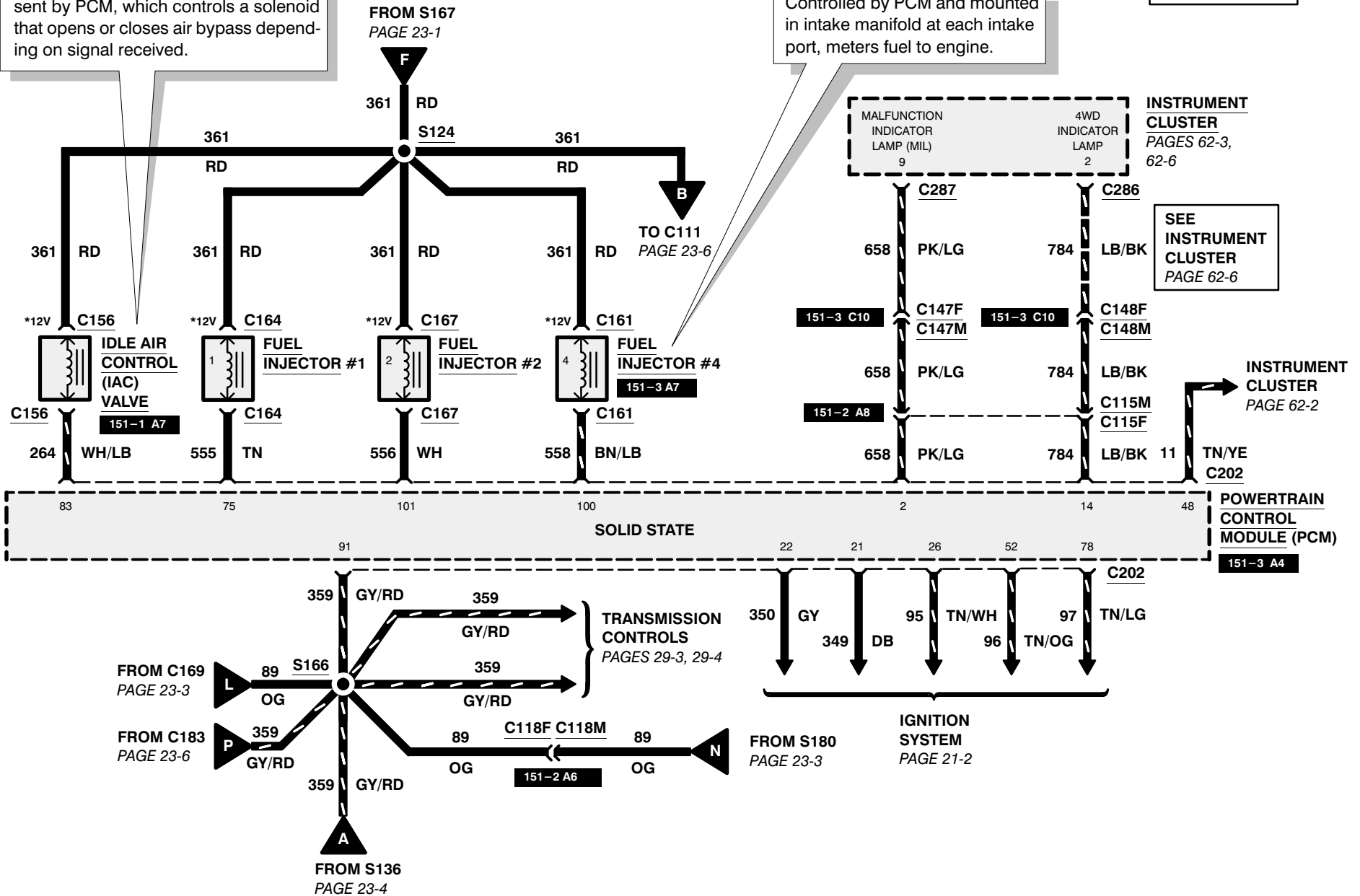
**23-2**

## 1999 EXPLORER/MOUNTAINEER

Controls idle speed. Duty cycle signals sent by PCM, which controls a solenoid that opens or closes air bypass depending on signal received.

Controlled by PCM and mounted in intake manifold at each intake port, meters fuel to engine.

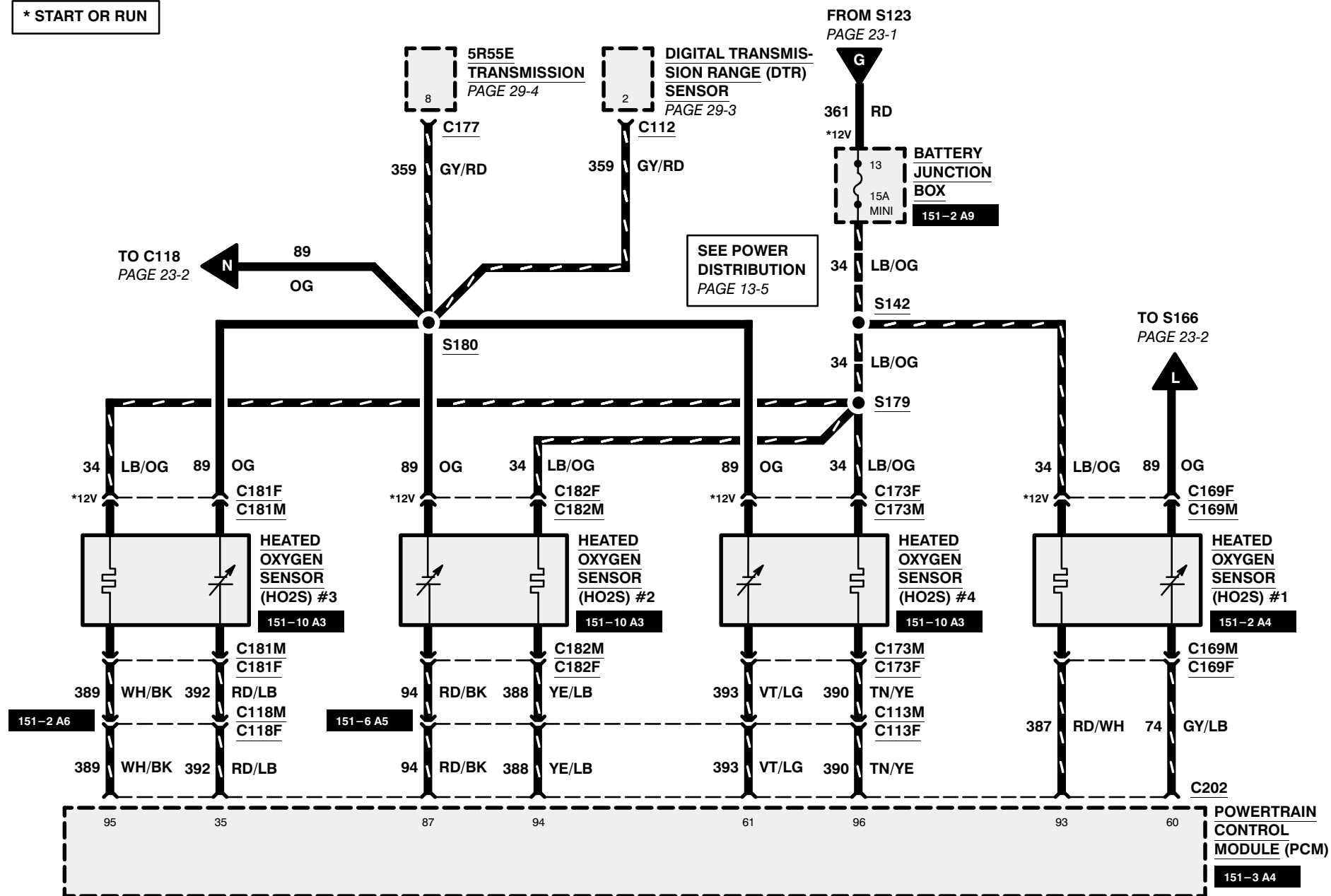
**\* START OR RUN**



# 23-3 ENGINE CONTROLS (4.0L SOHC)

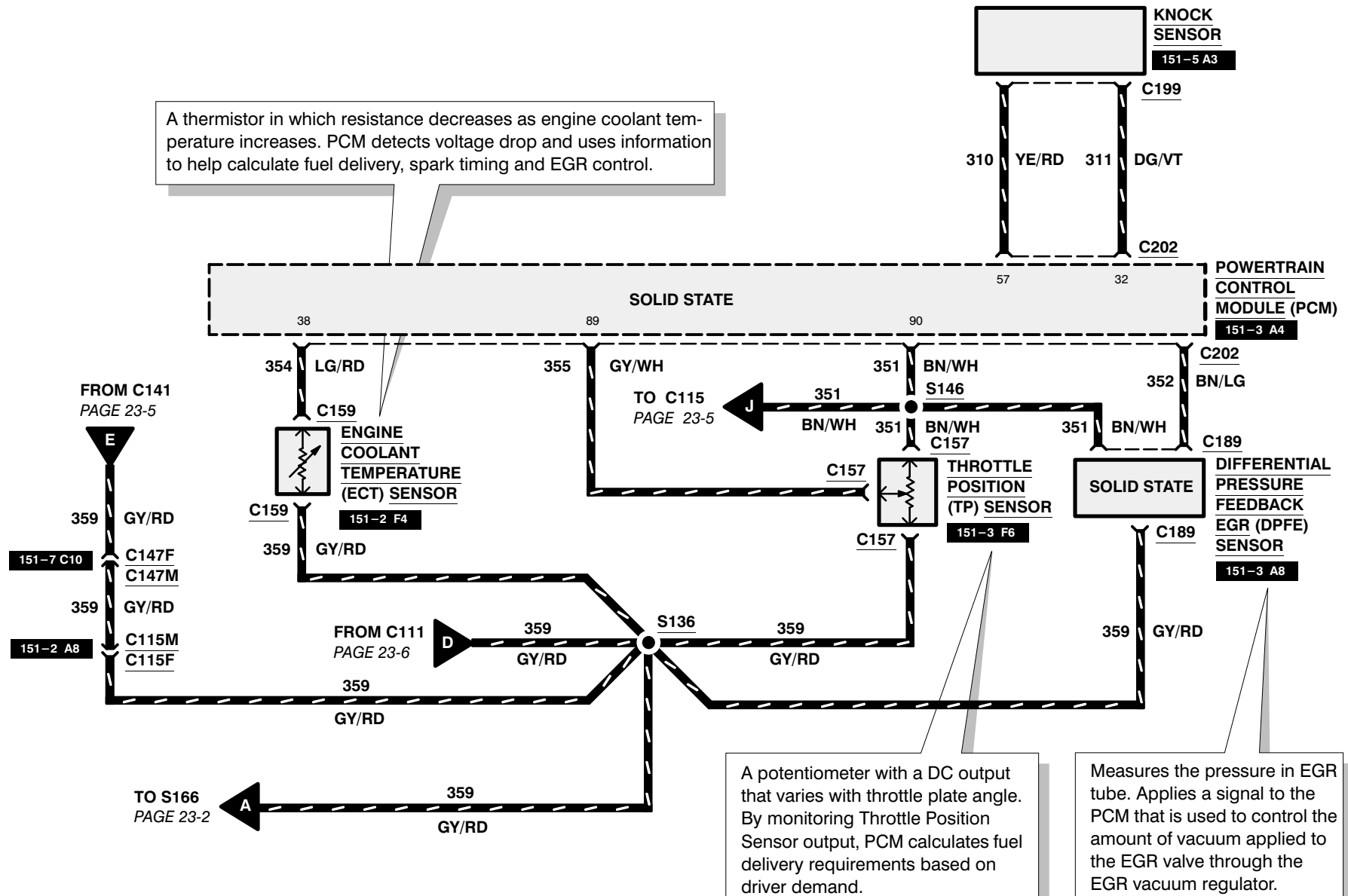
1999 EXPLORER/MOUNTAINEER

\* START OR RUN



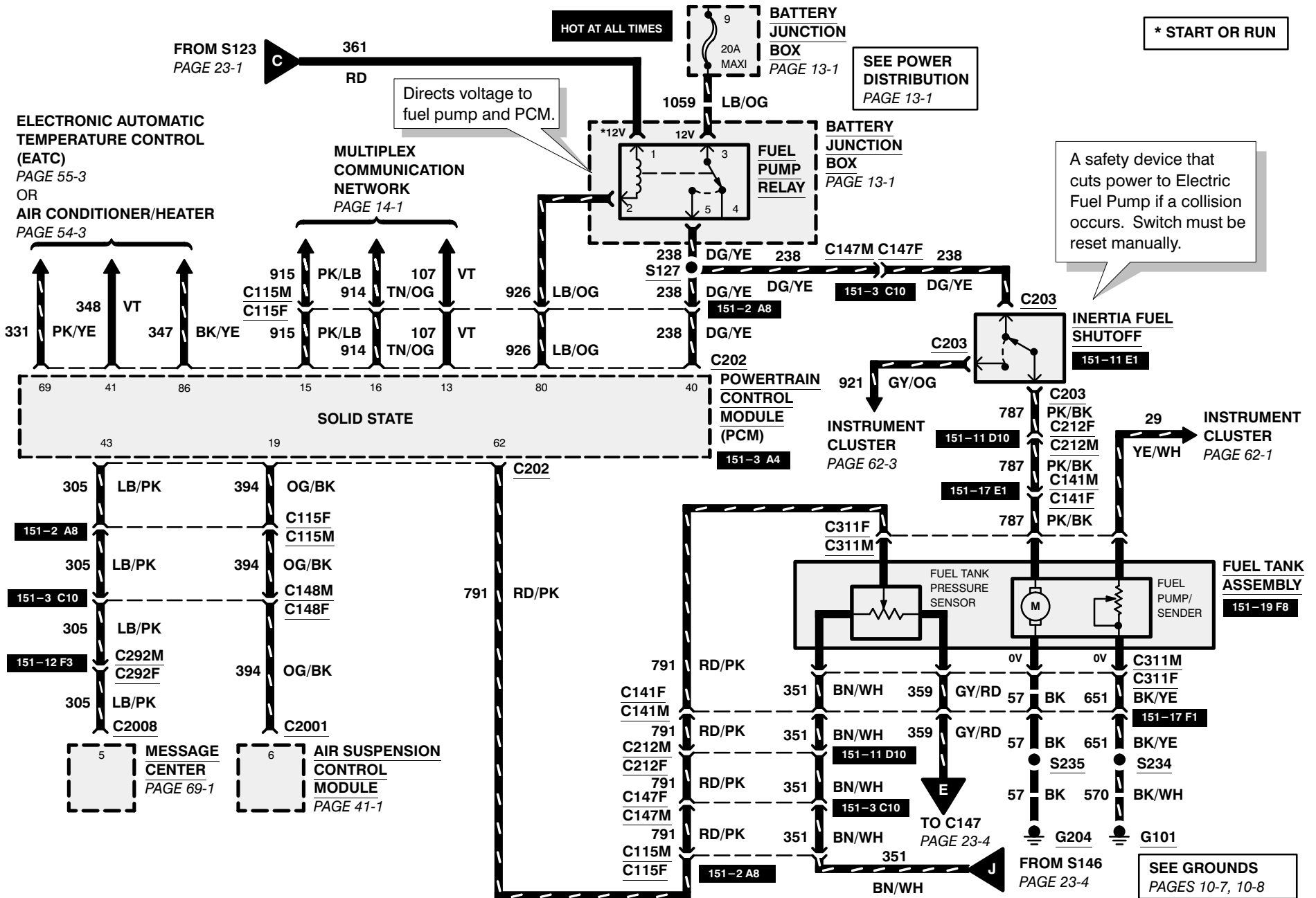
# ENGINE CONTROLS (4.0L SOHC) 23-4

1999 EXPLORER/MOUNTAINEER



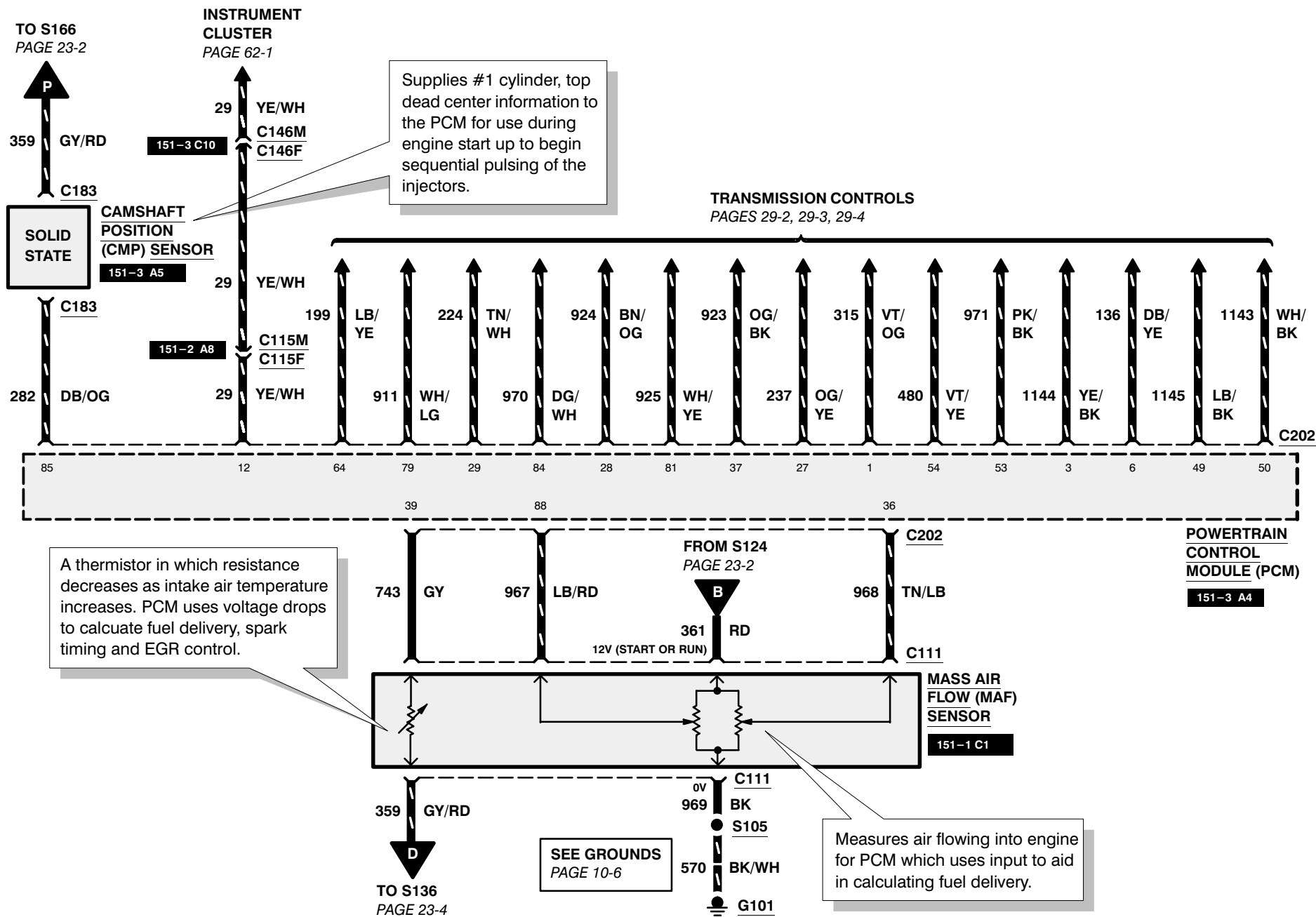
# 23-5 ENGINE CONTROLS (4.0L SOHC)

1999 EXPLORER/MOUNTAINEER

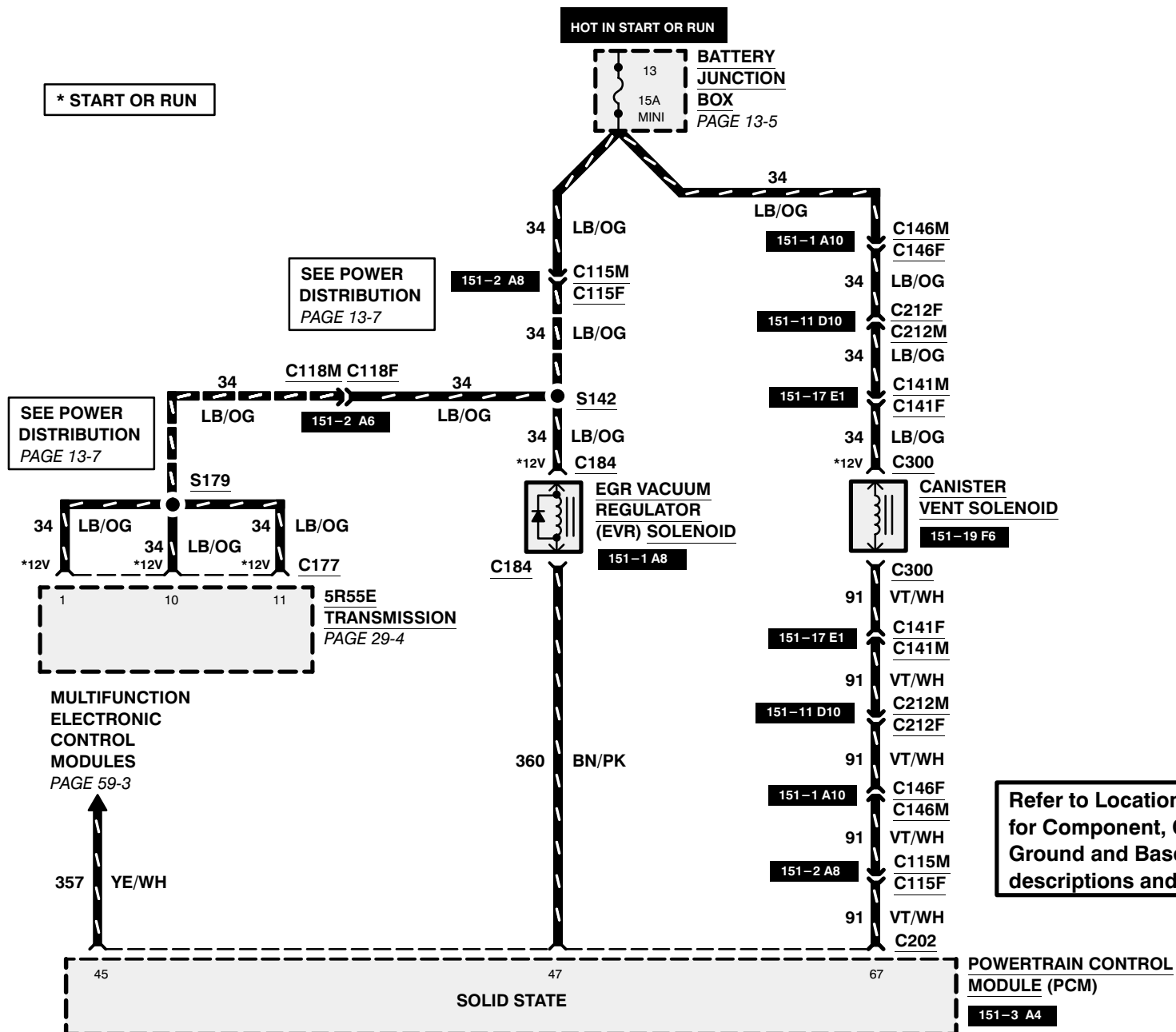


# ENGINE CONTROLS (4.0L SOHC) 23-6

1999 EXPLORER/MOUNTAINEER



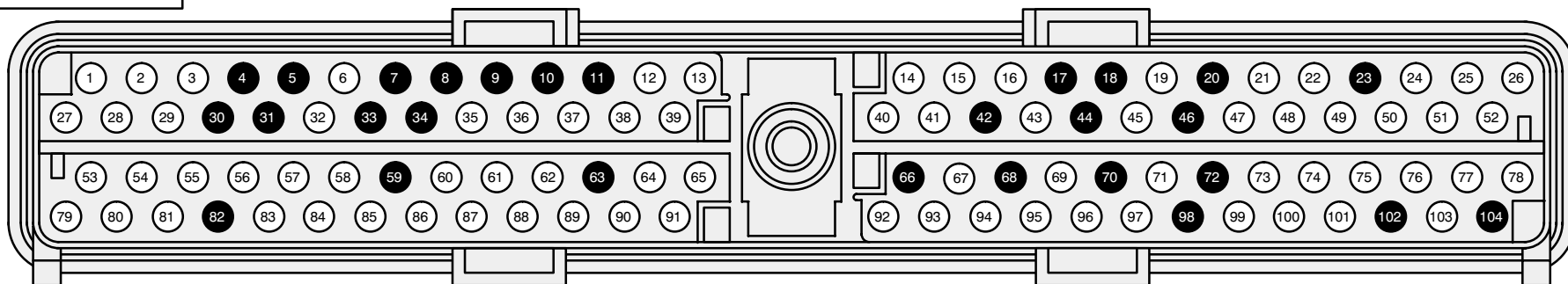
## 1999 EXPLORER/MOUNTAINEER



# ENGINE CONTROLS (4.0L SOHC) 23-8

1999 EXPLORER/MOUNTAINEER

## 4.0L SOHC



### C202

### POWERTRAIN CONTROL MODULE (PCM)

| PIN | CIRCUIT      | CIRCUIT FUNCTION                              | PIN | CIRCUIT     | CIRCUIT FUNCTION                        |
|-----|--------------|-----------------------------------------------|-----|-------------|-----------------------------------------|
| 1   | 315 (VT/OG)  | Shift Solenoid B                              | 18  | —           | NOT USED                                |
| 2   | 658 (PK/LG)  | Malfunction Indicator Lamp (MIL) Control      | 19  | 394 (OG/BK) | Load Leveling Acceleration Signal       |
| 3   | 1144 (YE/BK) | Digital Transmission Range (DTR) Sensor (TR1) | 20  | —           | NOT USED                                |
| 4   | —            | NOT USED                                      | 21  | 349 (DB)    | Crankshaft Position (CKP) Sensor        |
| 5   | —            | NOT USED                                      | 22  | 350 (GY)    | Crankshaft Position (CKP) Sensor        |
| 6   | 136 (DB/YE)  | Output Shaft Speed Sensor                     | 23  | —           | NOT USED                                |
| 7   | —            | NOT USED                                      | 24  | 570 (BK/WH) | Power Ground                            |
| 8   | —            | NOT USED                                      | 25  | 57 (BK)     | Chassis Ground                          |
| 9   | —            | NOT USED                                      | 26  | 95 (TN/WH)  | Ignition Coil                           |
| 10  | —            | NOT USED                                      | 27  | 237 (OG/YE) | Shift Solenoid A                        |
| 11  | —            | NOT USED                                      | 28  | 924 (BN/OG) | Shift Solenoid D                        |
| 12  | 29 (YE/WH)   | Fuel Gauge Sender                             | 29  | 224 (TN/WH) | Transmission Control Switch (TCS) Input |
| 13  | 107 (VT)     | Data Link Connector (DLC)                     | 30  | —           | NOT USED                                |
| 14  | 784 (LB/BK)  | 4WD Low Indicator Switch                      | 31  | —           | NOT USED                                |
| 15  | 915 (PK/LB)  | SCP Data Bus (—)                              | 32  | 311 (DG/VT) | Knock Sensor Return                     |
| 16  | 914 (TN/OG)  | SCP Data Bus (+)                              | 33  | —           | NOT USED                                |
| 17  | —            | NOT USED                                      | 34  | —           | NOT USED                                |

# 23-9 ENGINE CONTROLS (4.0L SOHC)

1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT      | CIRCUIT FUNCTION                                        | PIN | CIRCUIT     | CIRCUIT FUNCTION                                         |
|-----|--------------|---------------------------------------------------------|-----|-------------|----------------------------------------------------------|
| 35  | 392 (RD/LG)  | Heated Oxygen Sensor #2 (HO2S) Input (Catalyst Monitor) | 65  | 352 (BN/LG) | Differential Pressure Feedback EGR (DPFE) Sensor Input   |
| 36  | 968 (TN/LB)  | Mass Air Flow (MAF) Sensor Return                       | 66  | —           | NOT USED                                                 |
| 37  | 923 (OG/BK)  | Transmission Fluid Temperature (TFT) Sensor             | 67  | 91 (VT/WH)  | Canister Vent (CV) Solenoid                              |
| 38  | 354 (LG/RD)  | Engine Coolant Temperature (ECT) Sensor Input           | 68  | —           | NOT USED                                                 |
| 39  | 743 (GY)     | Intake Air Temperature (IAT) Sensor Input               | 69  | 331 (PK/YE) | Wide Open Throttle A/C Cutoff (WAC) Relay Output         |
| 40  | 238 (DG/YE)  | Fuel Pump Relay Input                                   | 70  | —           | NOT USED                                                 |
| 41  | 348 (VT)     | A/C High Pressure Cutoff Switch Input                   | 71  | 361 (RD)    | Power (PWR)                                              |
| 42  | —            | NOT USED                                                | 72  | —           | NOT USED                                                 |
| 43  | 305 (LB/PK)  | Message Center (Fuel Flow)                              | 73  | 559 (TN/BK) | Fuel Injector #5 Control                                 |
| 44  | —            | NOT USED                                                | 74  | 557 (BN/YE) | Fuel Injector #3 Control                                 |
| 45  | 357 (YE/WH)  | PCM To Generic Electronic Module (GEM)                  | 75  | 555 (TN)    | Fuel Injector #1 Control                                 |
| 46  | —            | NOT USED                                                | 76  | 570 (BK/WH) | Power Ground                                             |
| 47  | 360 (BN/PK)  | EGR Vacuum Regulator (EVR) Control                      | 77  | 570 (BK/WH) | Power Ground                                             |
| 48  | 11 (TN/YE)   | Tachometer                                              | 78  | 97 (TN/LG)  | Ignition Coil                                            |
| 49  | 1145 (LB/BK) | Digital Transmission Range (DTR) Sensor (TR2)           | 79  | 911 (WH/LG) | Transmission Control Indicator Lamp (TCIL)               |
| 50  | 1143 (WH/BK) | Digital Transmission Range (DTR) Sensor (TR4)           | 80  | 926 (LB/OG) | Fuel Pump Relay Control                                  |
| 51  | 570 (BK/WH)  | Power Ground                                            | 81  | 925 (WH/YE) | Electronic Pressure Control (EPC) Solenoid               |
| 52  | 96 (TN/OG)   | Ignition Coil                                           | 82  | —           | NOT USED                                                 |
| 53  | 971 (PK/BK)  | Shift Solenoid C                                        | 83  | 264 (WH/LB) | Idle Air Control (IAC) Valve Control                     |
| 54  | 480 (VT/YE)  | Torque Converter Clutch Solenoid                        | 84  | 970 (DG/WH) | Turbine Shaft Speed (TSS) Sensor                         |
| 55  | 37 (YE)      | Keep Alive Power (B+)                                   | 85  | 282 (DB/OG) | Camshaft Position (CMP) Sensor Input                     |
| 56  | 191 (LG/BK)  | EVAP Canister Purge Valve                               | 86  | 347 (BK/YE) | PCM To A/C Cycling Pressure Switch                       |
| 57  | 310 (YE/RD)  | Knock Sensor Input                                      | 87  | 94 (RD/BK)  | Heated Oxygen Sensor #2 (HO2S) Input                     |
| 58  | 679 (GY/BK)  | Vehicle Speed Sensor (VSS) Input                        | 88  | 967 (LB/RD) | Mass Air Flow (MAF) Sensor Input                         |
| 59  | —            | NOT USED                                                | 89  | 355 (GY/WH) | Throttle Position (TP) Sensor Input                      |
| 60  | 74 (GY/LB)   | Heated Oxygen Sensor #1 (HO2S) Input                    | 90  | 351 (BN/WH) | Reference Voltage                                        |
| 61  | 393 (VT/LG)  | Heated Oxygen Sensor (HO2S)                             | 91  | 359 (GY/RD) | Signal Return                                            |
| 62  | 791 (RD/PK)  | Fuel Tank Pressure Sensor                               | 92  | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Input                  |
| 63  | —            | NOT USED                                                | 93  | 387 (RD/WH) | Heated Oxygen Sensor #1 (HO2S) Heater                    |
| 64  | 199 (LB/YE)  | Digital Transmission Range (DTR) Sensor Input (TR3A)    | 94  | 388 (RD/WH) | Heated Oxygen Sensor #2 (HO2S) Heater                    |
|     |              |                                                         | 95  | 389 (WH/BK) | Heated Oxygen Sensor #3 (HO2S) Heater (Catalyst Monitor) |
|     |              |                                                         | 96  | 390 (TN/YE) | Heated Oxygen Sensor #4 (HO2S)                           |
|     |              |                                                         | 97  | 361 (RD)    | Power (VPWR)                                             |

# ENGINE CONTROLS (4.0L SOHC) 23-10

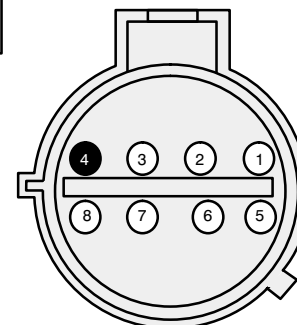
1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT     | CIRCUIT FUNCTION         |
|-----|-------------|--------------------------|
| 98  | —           | NOT USED                 |
| 99  | 560 (LG/OG) | Fuel Injector #6 Control |
| 100 | 558 (BN/LB) | Fuel Injector #4 Control |
| 101 | 556 (WH)    | Fuel Injector #2 Control |
| 102 | —           | NOT USED                 |
| 103 | 570 (BK/WH) | Power Ground             |
| 104 | —           | NOT USED                 |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C112      | 29-5         |
| C171      | 31-3         |
| C177      | 29-5         |
| C223      | 13-25        |
| C282      | 59-8         |
| C283      | 59-7         |
| C286      | 62-7         |
| C287      | 62-7         |
| C288      | 62-8         |
| C291      | 14-2         |
| C2001     | 41-4         |
| C2008     | 69-3         |

## 4.0L SOHC



**C311**

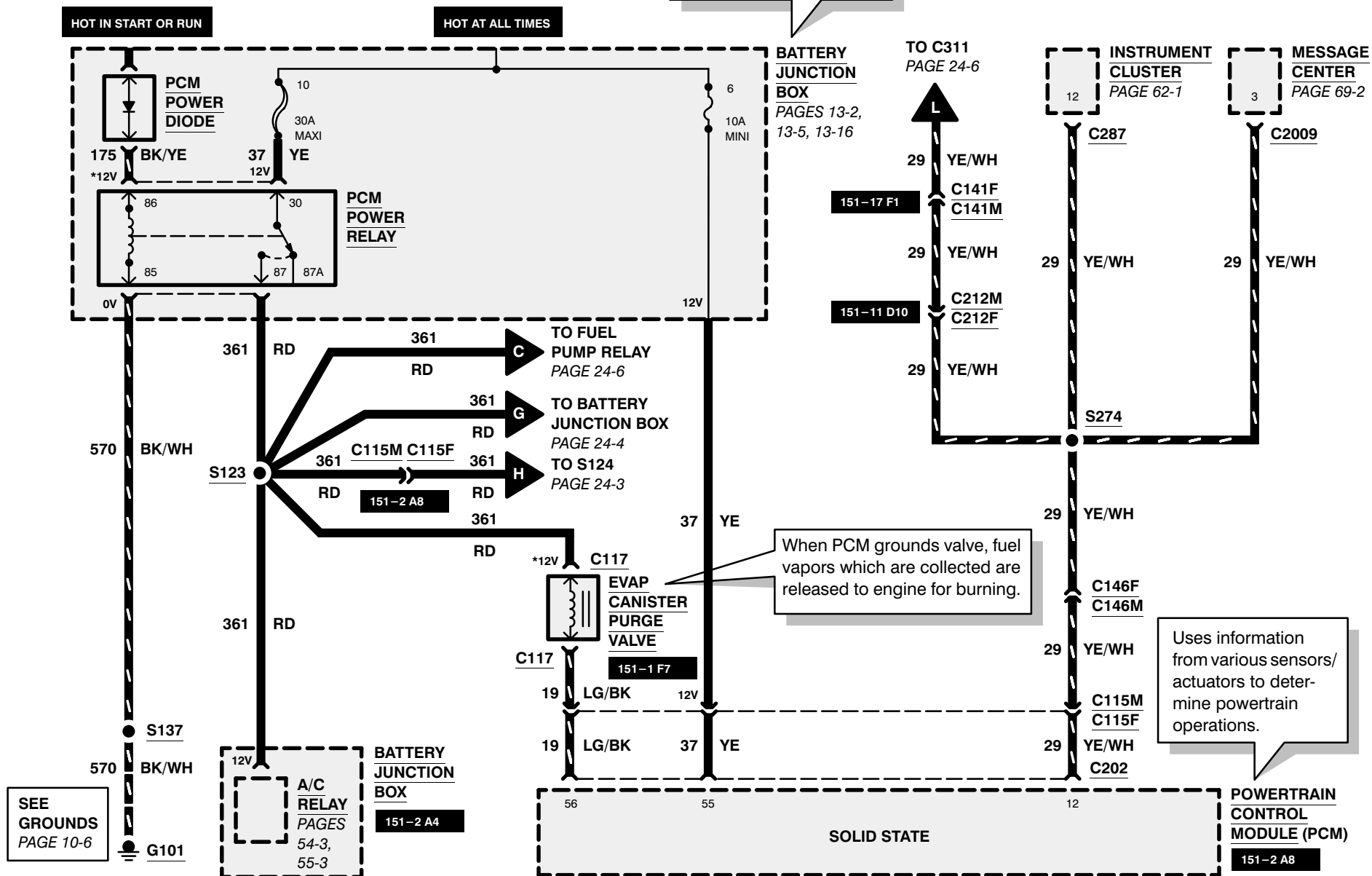
**FUEL TANK ASSEMBLY  
(HARNESS SIDE)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                     |
|-----|-------------|--------------------------------------|
| 1   | 351 (BN/WH) | Power To Engine Sensors              |
| 2   | 791 (RD/BK) | Fuel Tank Pressure Transducer To PCM |
| 3   | 359 (GY/RD) | Sensor Signal Return                 |
| 4   | —           | NOT USED                             |
| 5   | 651 (BK/YE) | Dedicated Ground                     |
| 6   | 787 (PK/BK) | Fuel Pump Power                      |
| 7   | 57 (BK)     | Ground                               |
| 8   | 29 (YE/WH)  | Fuel Gauge To Fuel Gauge Sender      |

## 1999 EXPLORER/MOUNTAINEER

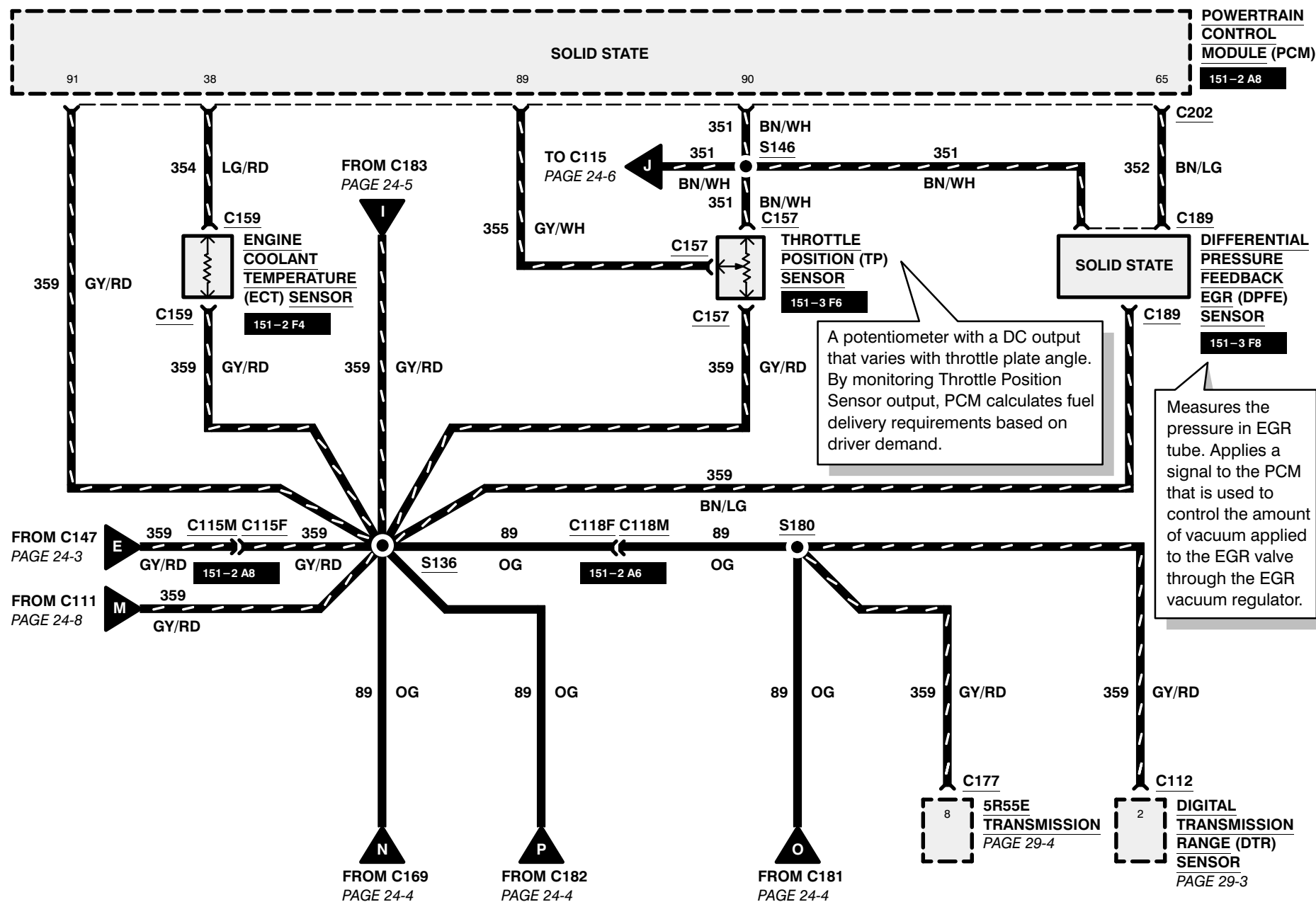
Direct voltage to PCM and PCM related components.

\* START OR RUN

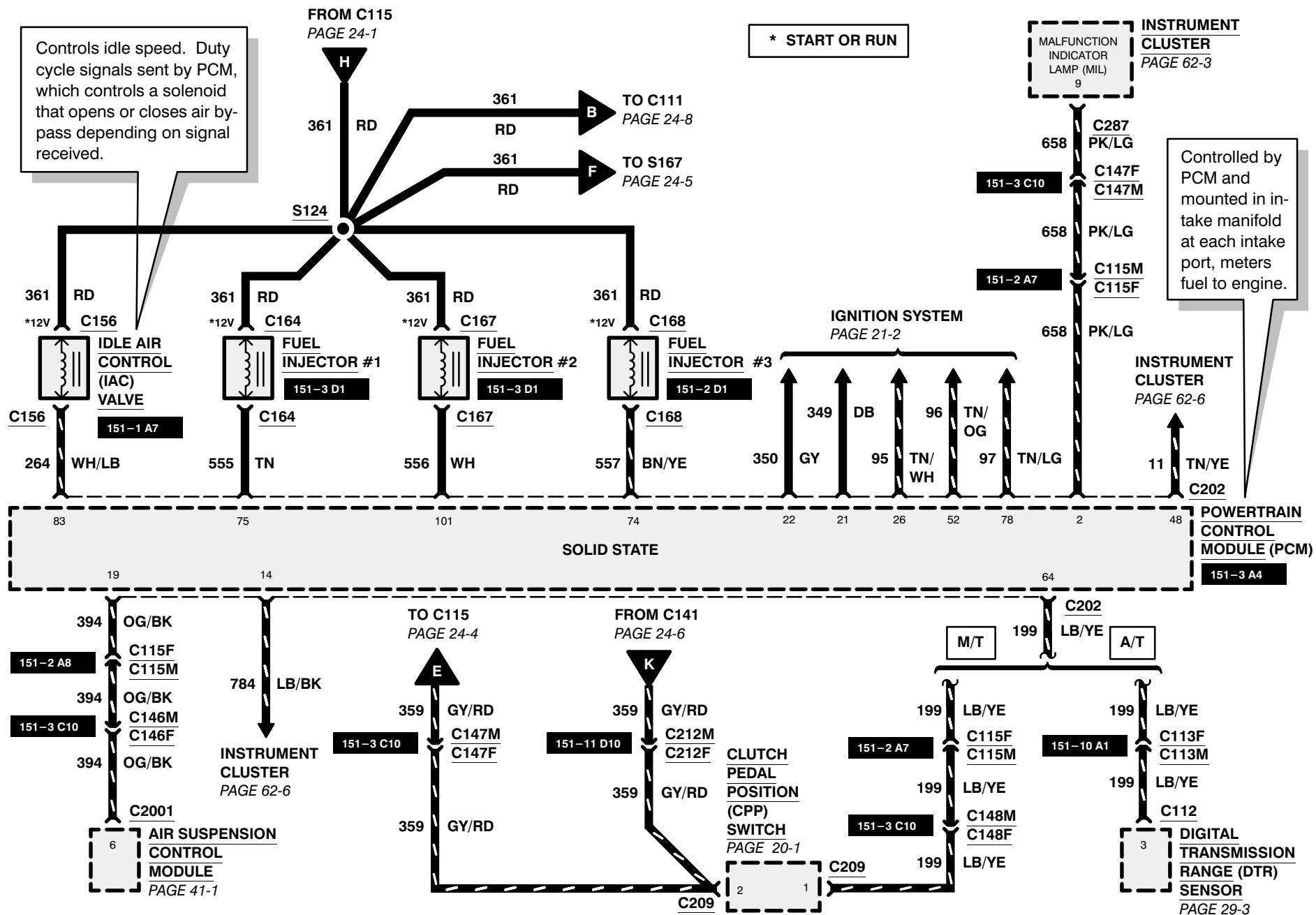


# ENGINE CONTROLS (4.0L EI) 24-2

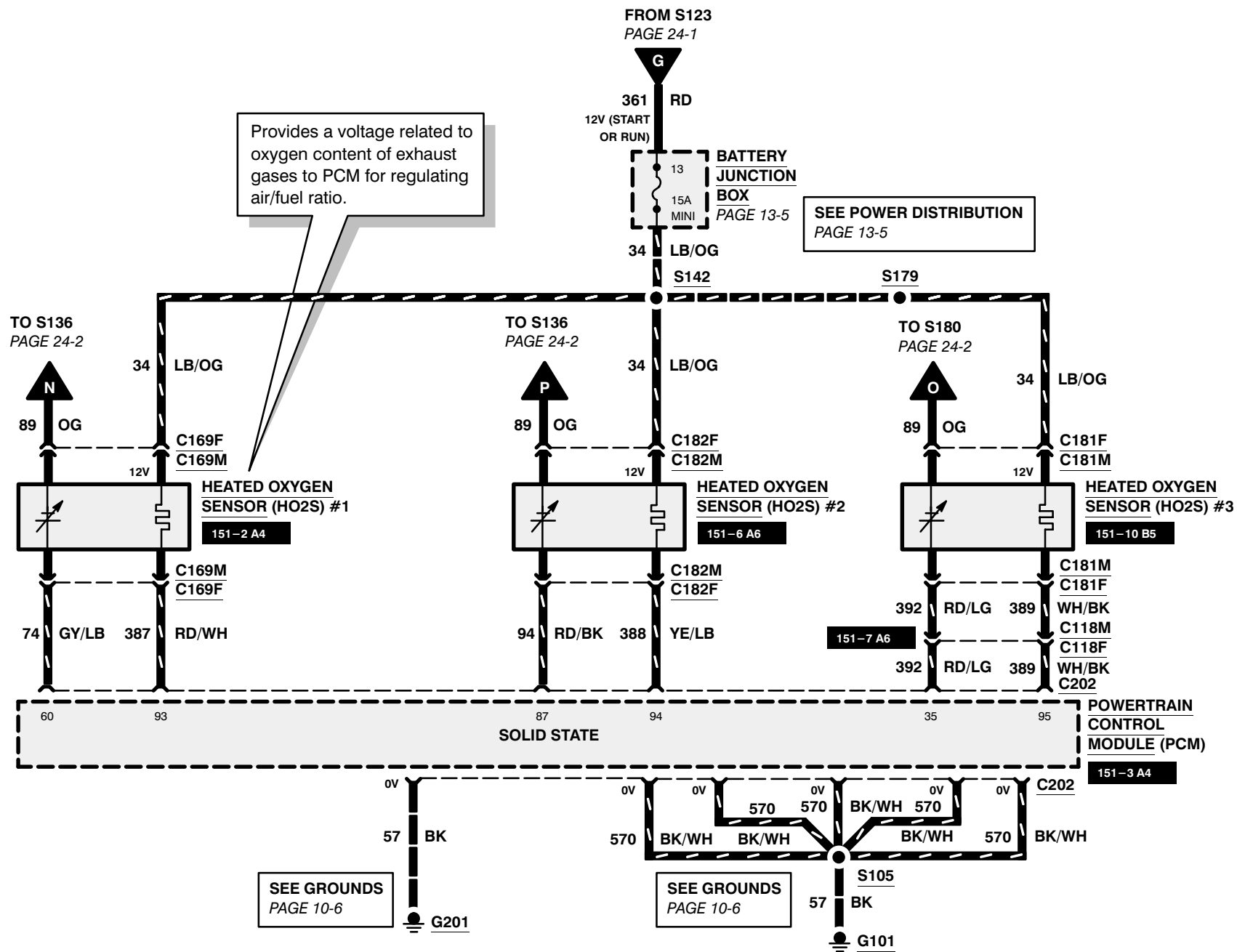
1999 EXPLORER/MOUNTAINEER



## 1999 EXPLORER/MOUNTAINEER

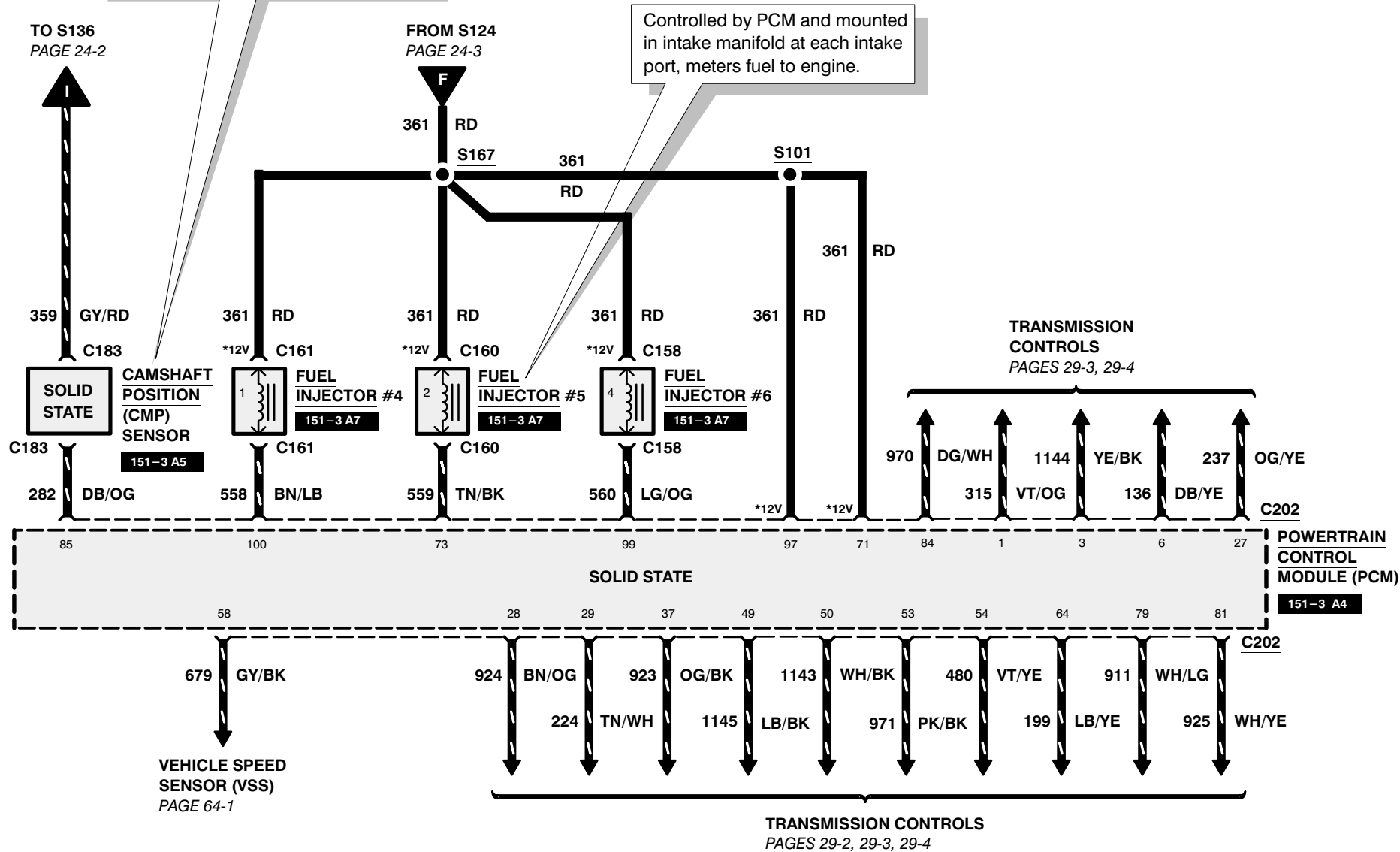


## 1999 EXPLORER/MOUNTAINEER



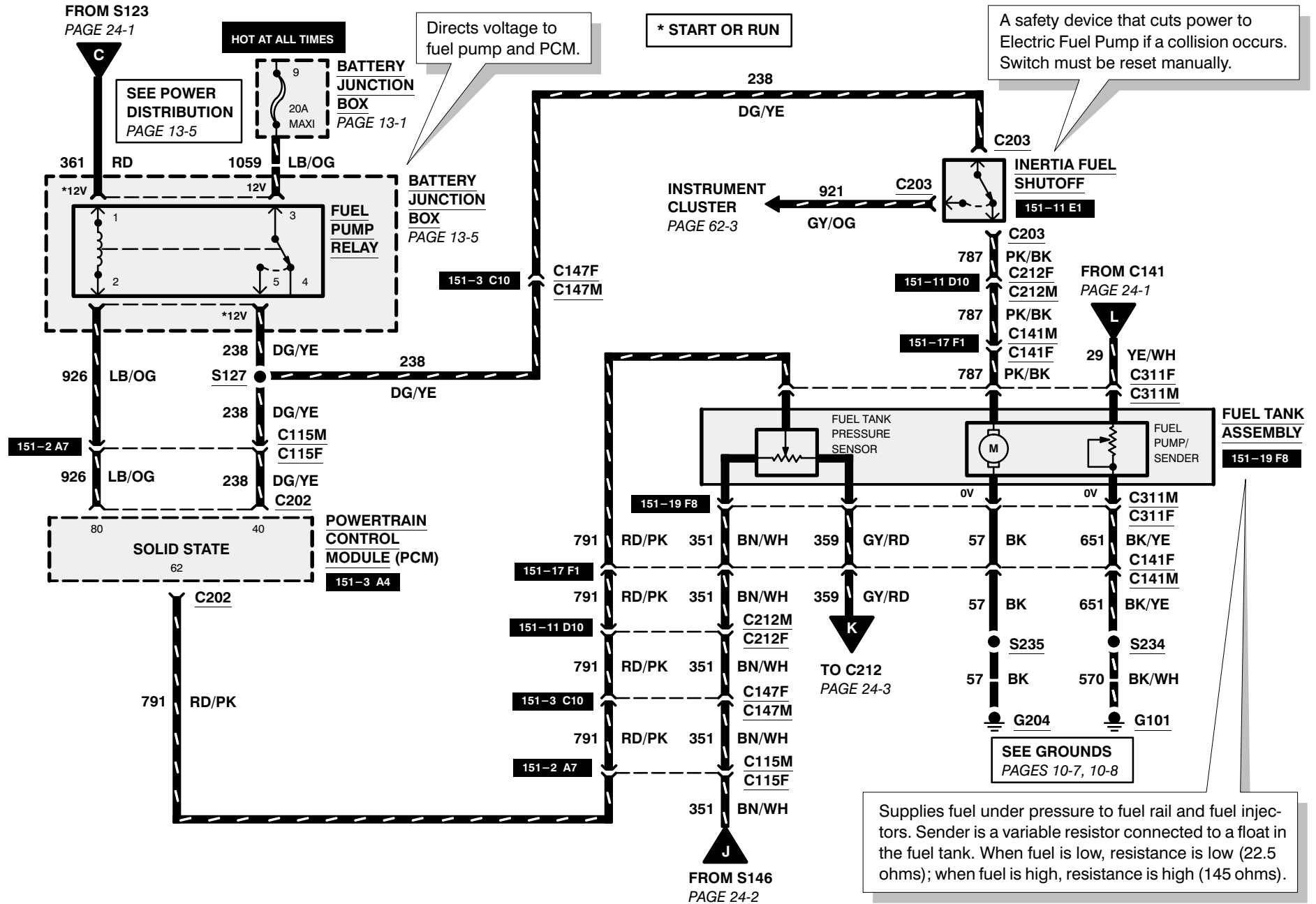
## 1999 EXPLORER/MOUNTAINEER

**\* START OR RUN**

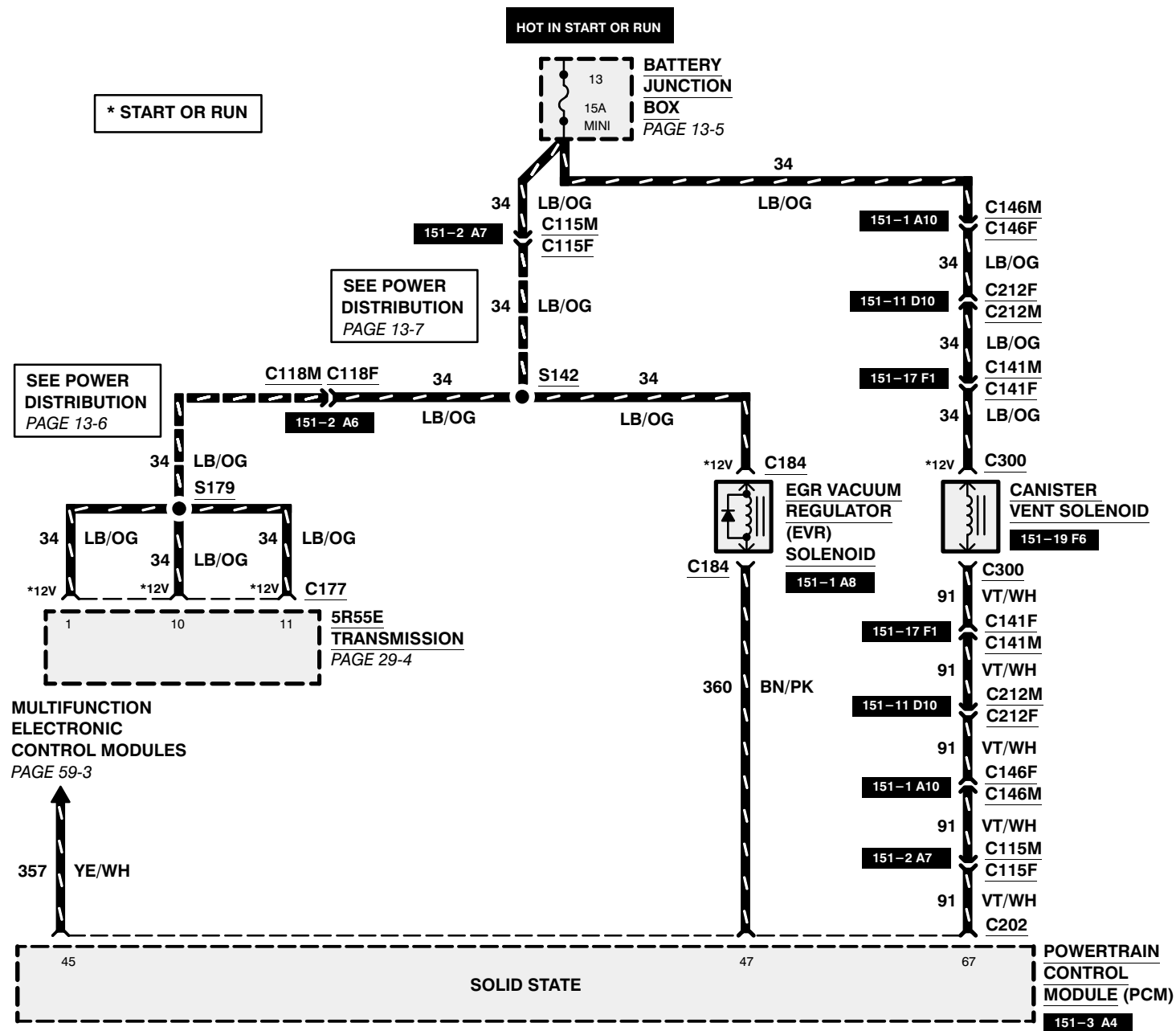


# ENGINE CONTROLS (4.0L EI) 24-6

1999 EXPLORER/MOUNTAINEER

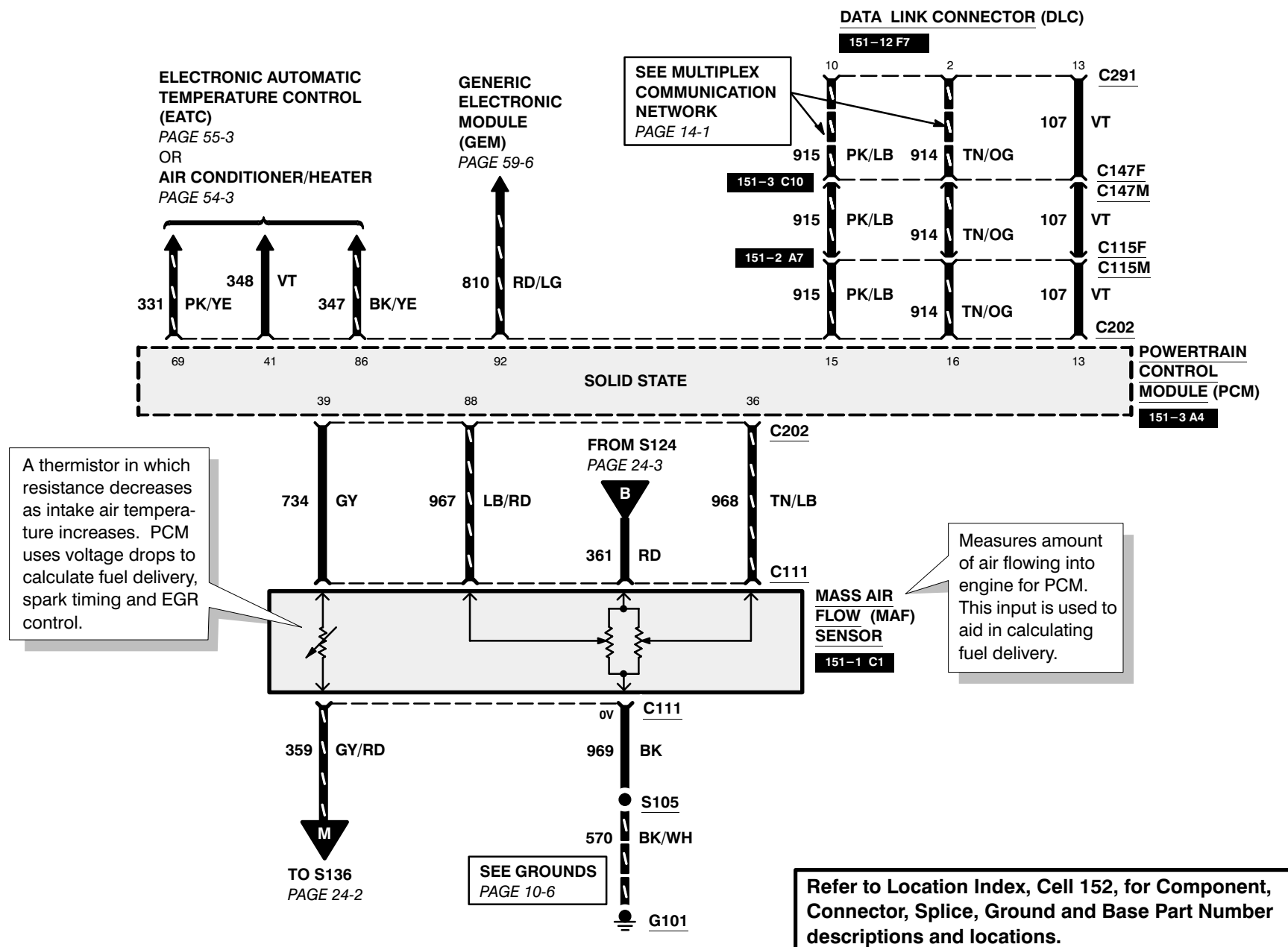


## 1999 EXPLORER/MOUNTAINEER



# ENGINE CONTROLS (4.0L EI) 24-8

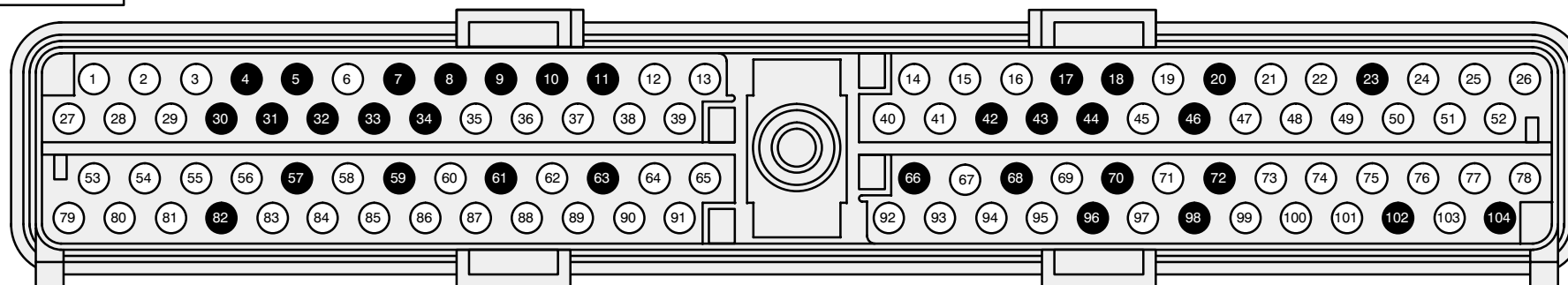
1999 EXPLORER/MOUNTAINEER



# 24-9 ENGINE CONTROLS (4.0L EI)

1999 EXPLORER/MOUNTAINEER

## 4.0L EI



**C202**

**POWERTRAIN CONTROL MODULE (PCM)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                         | PIN | CIRCUIT     | CIRCUIT FUNCTION                                           |
|-----|--------------|------------------------------------------|-----|-------------|------------------------------------------------------------|
| 1   | 315 (VT/OG)  | Shift Solenoid B Control                 | 20  | —           | NOT USED                                                   |
| 2   | 658 (PK/LG)  | Malfunction Indicator Lamp (MIL) Control | 21  | 349 (DB)    | Crankshaft Position (CKP+) Sensor                          |
| 3   | 1144 (YE/BK) | Digital Transmission Range Sensor (TR1)  | 22  | 350 (GY)    | Crankshaft Position (CKP-) Sensor                          |
| 4   | —            | NOT USED                                 | 23  | —           | NOT USED                                                   |
| 5   | —            | NOT USED                                 | 24  | 570 (BK/WH) | Power Ground                                               |
| 6   | 136 (DB/YE)  | Output Shaft Speed Sensor                | 25  | 57 (BK)     | Case Ground                                                |
| 7   | —            | NOT USED                                 | 26  | 95 (TN/WH)  | Ignition Coil #1                                           |
| 8   | —            | NOT USED                                 | 27  | 237 (OG/YE) | Shift Solenoid A                                           |
| 9   | —            | NOT USED                                 | 28  | 924 (BN/OG) | Shift Solenoid D                                           |
| 10  | —            | NOT USED                                 | 29  | 224 (TN/WH) | Transmission Control Switch (TCS) Input                    |
| 11  | —            | NOT USED                                 | 30  | —           | NOT USED                                                   |
| 12  | 29 (YE/WH)   | Fuel Level Input                         | 31  | —           | NOT USED                                                   |
| 13  | 107 (VT)     | Data Link Connector (DLC)                | 32  | —           | NOT USED                                                   |
| 14  | 784 (LB/BK)  | 4WD Low Indicator Switch                 | 33  | —           | NOT USED                                                   |
| 15  | 915 (PK/LB)  | SCP Data Bus (-)                         | 34  | —           | NOT USED                                                   |
| 16  | 914 (TN/OG)  | SCP Data Bus (+)                         | 35  | 392 (RD/LG) | Heated Oxygen Sensor #2 (HO2S)<br>Input (Catalyst Monitor) |
| 17  | —            | NOT USED                                 | 36  | 968 (TN/LB) | Mass Air Flow (MAF) Sensor Return                          |
| 18  | —            | NOT USED                                 | 37  | 923 (OG/BK) | Transmission Fluid Temperature Sensor                      |
| 19  | 394 (OG/BK)  | NOT USED                                 |     |             |                                                            |

# ENGINE CONTROLS (4.0L EI) 24-10

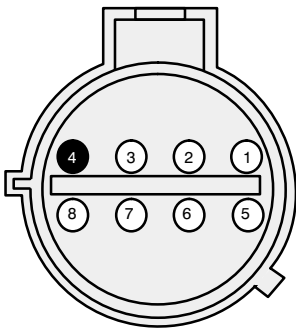
1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT      | CIRCUIT FUNCTION                                       | PIN | CIRCUIT     | CIRCUIT FUNCTION                                         |
|-----|--------------|--------------------------------------------------------|-----|-------------|----------------------------------------------------------|
| 38  | 354 (LG/RD)  | Engine Coolant Temperature (ECT) Sensor Input          | 72  | —           | NOT USED                                                 |
| 39  | 743 (GY)     | Intake Air Temperature (IAT) Sensor Input              | 73  | 559 (TN/BK) | Fuel Injector #5 Control                                 |
| 40  | 238 (DG/YE)  | Fuel Pump Monitor Input                                | 74  | 557 (BN/YE) | Fuel Injector #3 Control                                 |
| 41  | 348 (VT)     | A/C High Pressure Cutoff Switch Input                  | 75  | 555 (TN)    | Fuel Injector #1 Control                                 |
| 42  | —            | NOT USED                                               | 76  | 570 (BK/WH) | Power Ground                                             |
| 43  | —            | NOT USED                                               | 77  | 570 (BK/WH) | Power Ground                                             |
| 44  | —            | NOT USED                                               | 78  | 97 (TN/LG)  | Ignition Coil #3                                         |
| 45  | 357 (YE/WH)  | PCM To Generic Electronic Module (GEM)                 | 79  | 911 (WH/LG) | Transmission Control Indicator Lamp                      |
| 46  | —            | NOT USED                                               | 80  | 926 (LB/OG) | Fuel Pump Relay Control                                  |
| 47  | 360 (BN/PK)  | EGR Vacuum Regulator (EVR) Control                     | 81  | 925 (WH/YE) | Electronic Pressure Control Solenoid                     |
| 48  | 11 (TN/YE)   | Tachometer                                             | 82  | —           | NOT USED                                                 |
| 49  | 1145 (LB/BK) | Digital Transmission Range Sensor (TR2)                | 83  | 264 (WH/LB) | Idle Air Control (IAC) Valve Control                     |
| 50  | 1143 (WH/BK) | Digital Transmission Range Sensor (TR4)                | 84  | 970 (DG/WH) | Turbine Shaft Speed (TSS) Sensor                         |
| 51  | 570 (BK/WH)  | Power Ground                                           | 85  | 282 (DB/OG) | Camshaft Position (CMP) Sensor Input                     |
| 52  | 96 (TN/OG)   | Ignition Coil                                          | 86  | 347 (BK/YE) | PCM To A/C Cycling Pressure Switch                       |
| 53  | 971 (PK/BK)  | Shift Solenoid C                                       | 87  | 94 (RD/BK)  | Heated Oxygen Sensor #2 (HO2S) Input                     |
| 54  | 480 (VT/YE)  | Torque Converter Clutch Solenoid                       | 88  | 967 (LB/RD) | Mass Air Flow (MAF) Sensor Input                         |
| 55  | 37 (YE)      | Keep Alive Power (B+)                                  | 89  | 355 (GY/WH) | Throttle Position (TP) Sensor Input                      |
| 56  | 191 (LG/BK)  | EVAP Canister Purge Valve                              | 90  | 351 (BN/WH) | Reference Voltage                                        |
| 57  | —            | NOT USED                                               | 91  | 359 (GY/RD) | Signal Return                                            |
| 58  | 679 (GY/BK)  | Vehicle Speed Sensor (VSS) Input                       | 92  | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Input                  |
| 59  | —            | NOT USED                                               | 93  | 387 (RD/WH) | Heated Oxygen Sensor #1 (HO2S) Heater                    |
| 60  | 74 (GY/LB)   | Heated Oxygen Sensor #1 (HO2S) Input                   | 94  | 388 (YE/LB) | Heated Oxygen Sensor #2 (HO2S) Heater                    |
| 61  | —            | NOT USED                                               | 95  | 389 (WH/BK) | Heated Oxygen Sensor #3 (HO2S) Heater (Catalyst Monitor) |
| 62  | 791 (RD/PK)  | Fuel Tank Pressure Sensor                              | 96  | —           | NOT USED                                                 |
| 63  | —            | NOT USED                                               | 97  | 361 (RD)    | Power (VPWR)                                             |
| 64  | 199 (LB/YE)  | Clutch Pedal Position (CPP) Switch                     | 98  | —           | NOT USED                                                 |
| 65  | 352 (BN/LG)  | Differential Pressure Feedback EGR (DPFE) Sensor Input | 99  | 560 (LG/OG) | Fuel Injector #6 Control                                 |
| 66  | —            | NOT USED                                               | 100 | 558 (BN/LB) | Fuel Injector #4 Control                                 |
| 67  | 91 (VT/WH)   | Canister Vent Solenoid                                 | 101 | 556 (WH)    | Fuel Injector #2 Control                                 |
| 68  | —            | NOT USED                                               | 102 | —           | NOT USED                                                 |
| 69  | 331 (PK/YE)  | Wide Open Throttle A/C Cutoff (WAC) Relay Output       | 103 | 570 (BK/WH) | Power Ground                                             |
| 70  | —            | NOT USED                                               | 104 | —           | NOT USED                                                 |
| 71  | 361 (RD)     | Power (VPWR)                                           |     |             |                                                          |

# 24-11 ENGINE CONTROLS (4.0L EI)

1999 EXPLORER/MOUNTAINEER

4.0L EI



**C311**  
**FUEL TANK ASSEMBLY**  
**(HARNESS SIDE)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION            |
|-----|-------------|-----------------------------|
| 1   | 351 (BN/WH) | Reference Voltage           |
| 2   | 791 (RD/PK) | Pressure Transducer Output  |
| 3   | 359 (GY/RD) | Signal Return               |
| 4   | —           | NOT USED                    |
| 5   | 651 (BK/YE) | Ground                      |
| 6   | 787 (PK/BK) | Inertia Fuel Shutoff Output |
| 7   | 57 (BK)     | Ground                      |
| 8   | 29 (YE/WH)  | Instrument Cluster Output   |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C209      | 20-4         |
| C223      | 13-25        |
| C282      | 59-8         |
| C283      | 59-7         |
| C286      | 62-7         |
| C287      | 62-7         |
| C291      | 14-2         |

# NOTES 24-12

**1999 EXPLORER/MOUNTAINEER**[illegible]

## 1999 EXPLORER/MOUNTAINEER

## HOT IN START OR RUN

**FUSE  
JUNCTION  
PANEL**  
*PAGE 13-16*

---

**SEE POWER  
DISTRIBUTION**  
*PAGE 13-16*

## HOT AT ALL TIMES

**BATTERY  
JUNCTION  
BOX**  
*PAGES 13-5, 13-16*

Directs voltage to PCM and PCM related components.

Directs voltage to fuel pump and PCM.

**BATTERY  
JUNCTION  
BOX**  
*PAGES 13-2,*

FROM S123  
PAGE 25-2

## HOT AT ALL TIMES

**BATTERY  
JUNCTION  
BOX**  
*PAGE 13-1*

**SEE POWER  
DISTRIBUTION  
PAGE 13-1**

**BATTERY  
JUNCTION  
BOX**

A safety device that cuts off voltage to the Fuel Pump in the event of a collision.

# INERTIA FUEL SHUTOFF

**INSTRUMENT**  
**CLUSTER**  
*PAGE 62-1*

## FUEL TANK ASSEMBLY

Receives inputs from various sensors, and uses information to control Fuel Flow, Exhaust Gas Recirculation (EGR), Ignition System Functions, Engine Idle Speed, Fuel Evaporation to the atmosphere, and Transmission Controls (4R70W).

When powered by the Fuel Pump Relay, the Fuel Pump delivers fuel to the engine.

**SEE GROUNDS**  
*PAGES 10-7, 10-8*

**SEE GROUNDS**  
*PAGE 10-6*

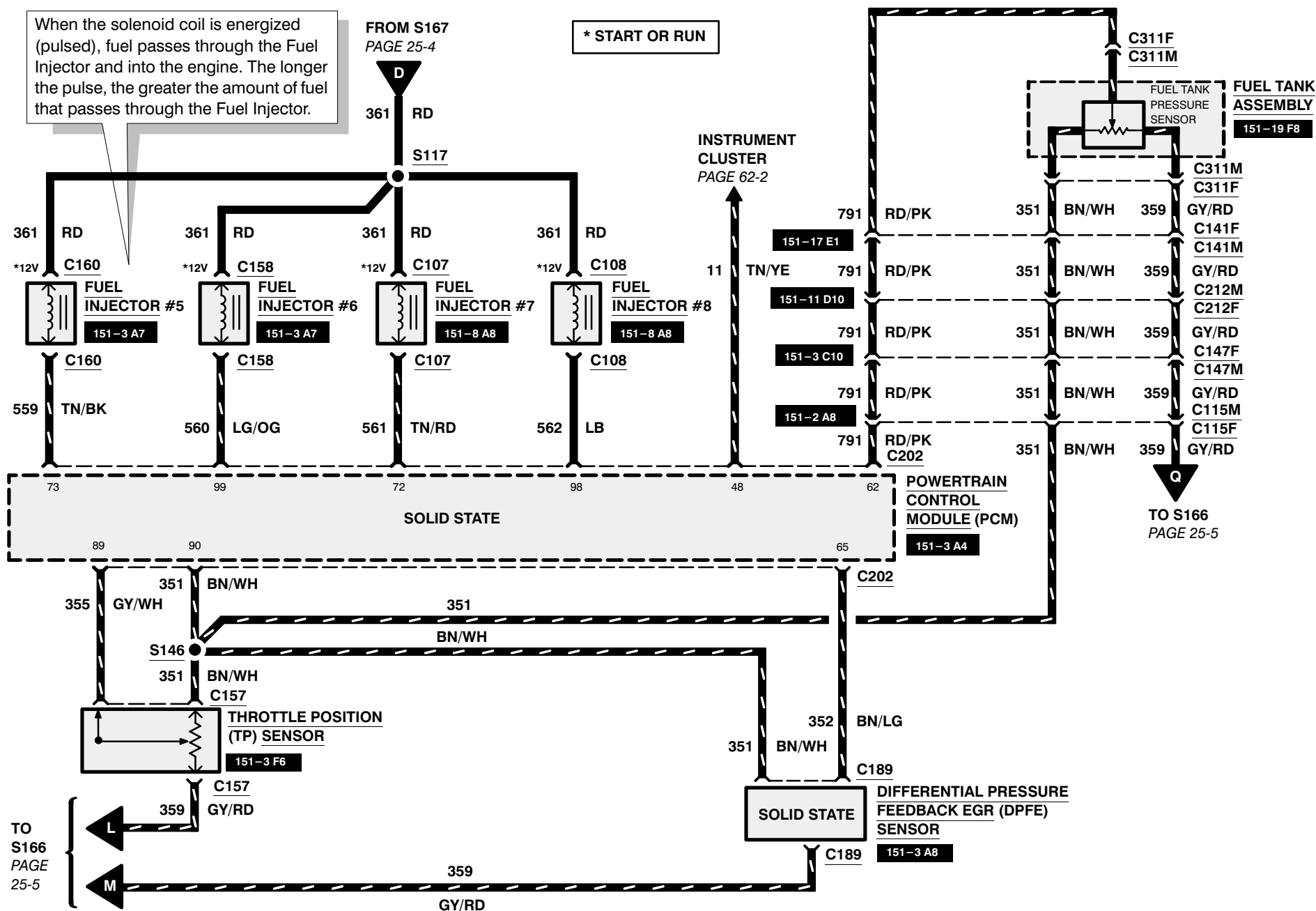
**G101**

## G101



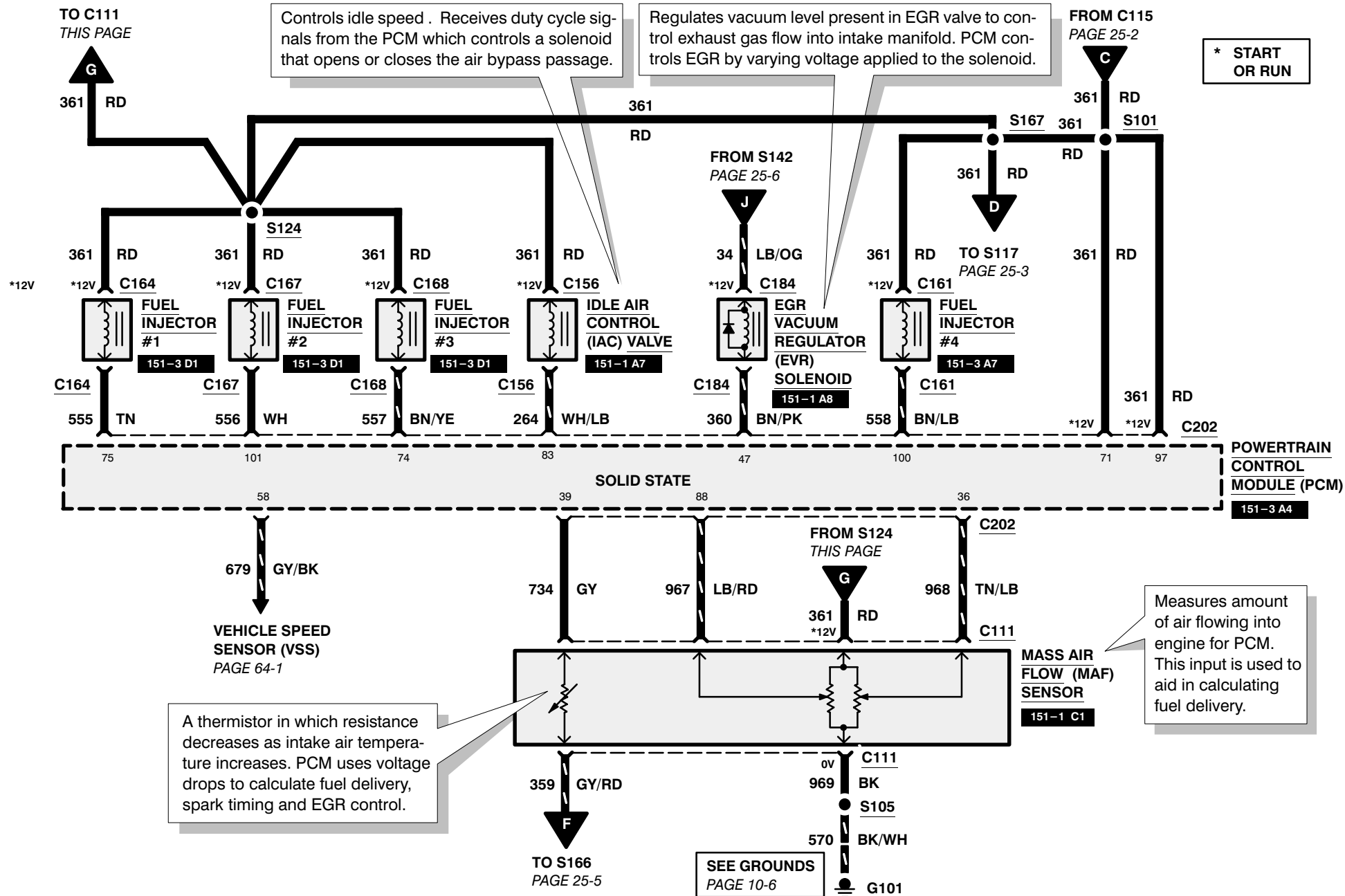
**G101**

**1999 EXPLORER/MOUNTAINEER**

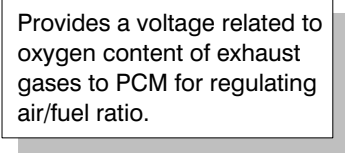
**1999 EXPLORER/MOUNTAINEER**

# ENGINE CONTROLS (5.0L) 25-4

1999 EXPLORER/MOUNTAINEER

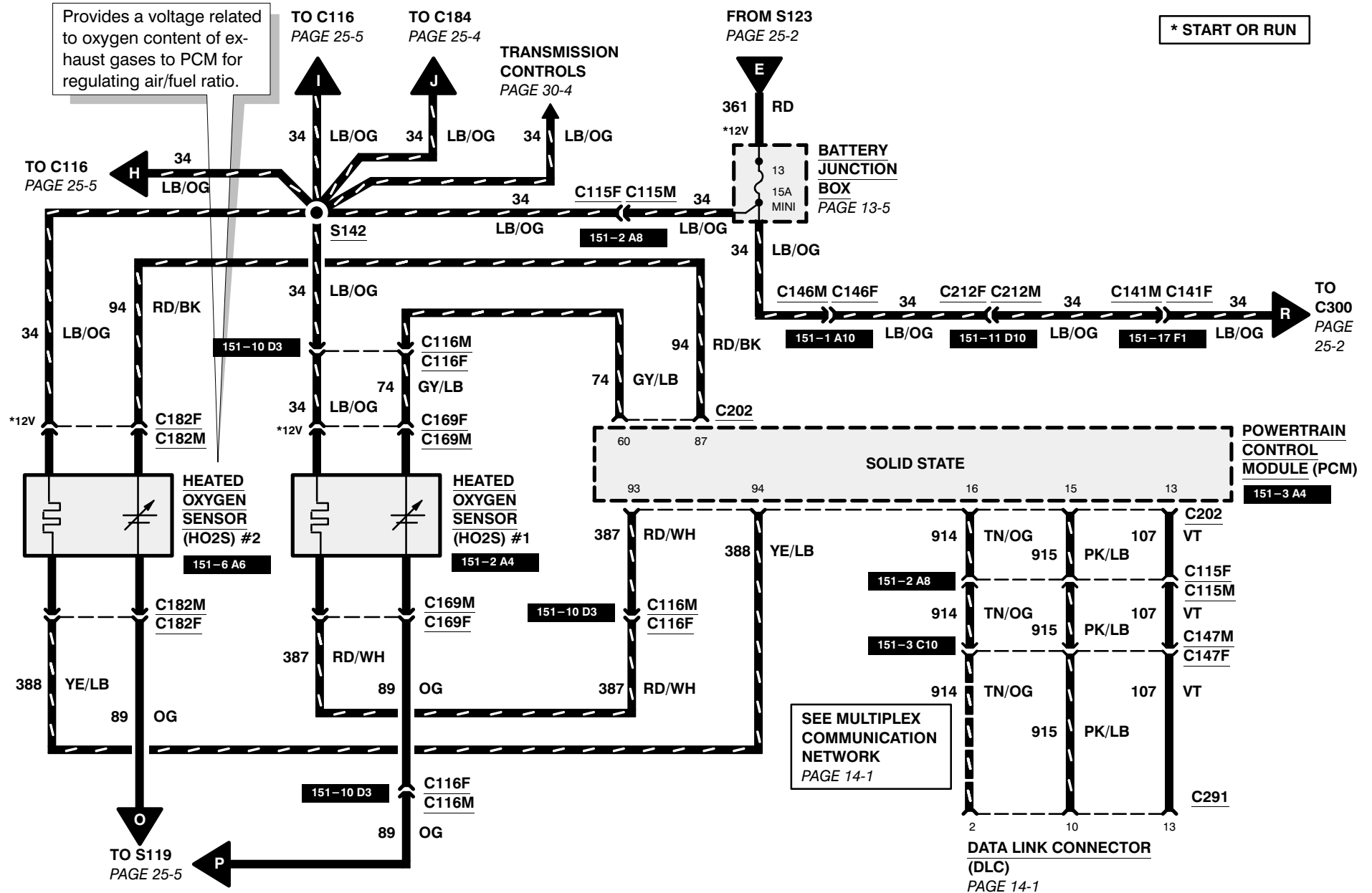


## 1999 EXPLORER/MOUNTAINEER



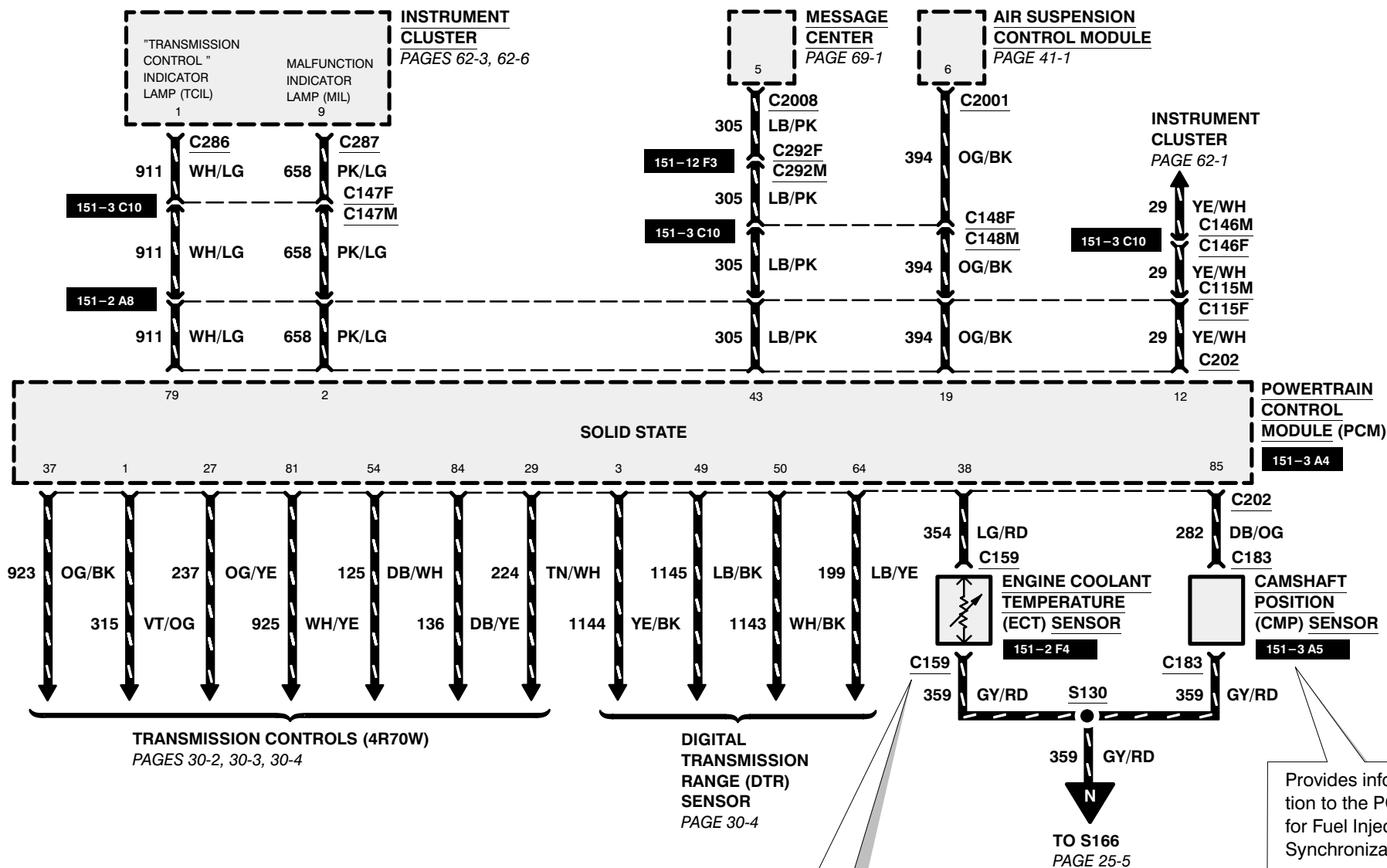
# ENGINE CONTROLS (5.0L) 25-6

1999 EXPLORER/MOUNTAINEER



# 25-7 ENGINE CONTROLS (5.0L)

1999 EXPLORER/MOUNTAINEER



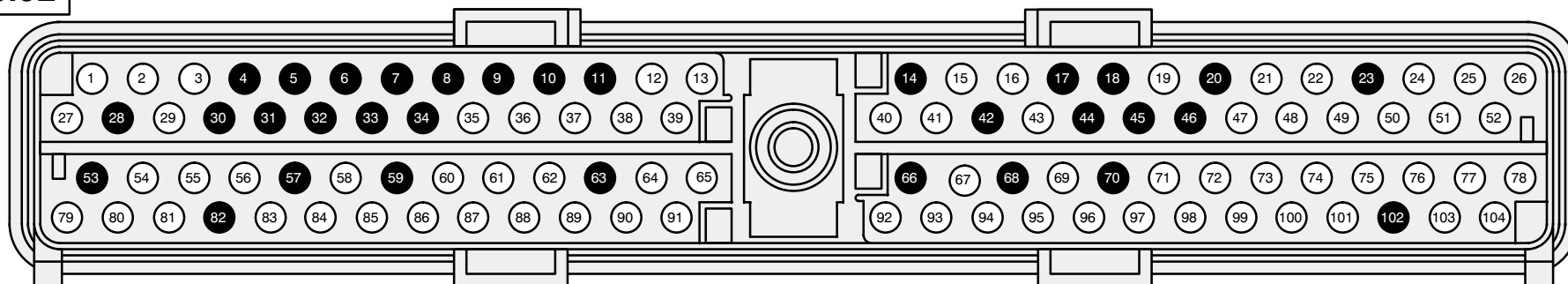
The PCM measures the voltage drop across the negative temperature coefficient thermistor, and uses this input to help calculate fuel delivery.

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

# ENGINE CONTROLS (5.0L) 25-8

1999 EXPLORER/MOUNTAINEER

5.0L



**C202**

**POWERTRAIN CONTROL MODULE (PCM)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                      | PIN | CIRCUIT     | CIRCUIT FUNCTION                        |
|-----|--------------|---------------------------------------|-----|-------------|-----------------------------------------|
| 1   | 315 (VT/OG)  | Shift Solenoid B                      | 21  | 138 (BK/PK) | Crankshaft Position (CKP) Sensor        |
| 2   | 658 (PK/LG)  | Malfunction Indicator Lamp (MIL)      | 22  | 139 (GY/YE) | Crankshaft Position (CKP) Sensor        |
| 3   | 1144 (YE/BK) | Digital Transmission Range Sensor TR1 | 23  | —           | NOT USED                                |
| 4   | —            | NOT USED                              | 24  | 570 (BK/WH) | Power Ground                            |
| 5   | —            | NOT USED                              | 25  | 57 (BK)     | Chassis Ground                          |
| 6   | —            | NOT USED                              | 26  | 526 (DB/LG) | Ignition Coil #1                        |
| 7   | —            | NOT USED                              | 27  | 237 (OG/YE) | Shift Solenoid A                        |
| 8   | —            | NOT USED                              | 28  | —           | NOT USED                                |
| 9   | —            | NOT USED                              | 29  | 224 (TN/WH) | Transmission Control Switch (TCS) Input |
| 10  | —            | NOT USED                              | 30  | —           | NOT USED                                |
| 11  | —            | NOT USED                              | 31  | —           | NOT USED                                |
| 12  | 29 (YE/WH)   | Fuel Level Input                      | 32  | —           | NOT USED                                |
| 13  | 107 (VT)     | Data Link Connector (DLC)             | 33  | —           | NOT USED                                |
| 14  | —            | NOT USED                              | 34  | —           | NOT USED                                |
| 15  | 915 (PK/LB)  | SCP Data Bus (—)                      | 35  | 392 (RD/LG) | Heated Oxygen Sensor #3 (HO2S)          |
| 16  | 914 (TN/OG)  | SCP Data Bus (+)                      |     |             | Input (Catalyst Monitor)                |
| 17  | —            | NOT USED                              | 36  | 968 (TN/LB) | Mass Air Flow (MAF) Sensor Return       |
| 18  | —            | NOT USED                              | 37  | 923 (OG/BK) | Transmission Fluid Temperature (ECT)    |
| 19  | 394 (OG/BK)  | Air Suspension Acceleration Input     |     |             | Sensor Input                            |
| 20  | —            | NOT USED                              |     |             |                                         |

# 25-9 ENGINE CONTROLS (5.0L)

1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT      | CIRCUIT FUNCTION                                 | PIN | CIRCUIT     | CIRCUIT FUNCTION                                         |
|-----|--------------|--------------------------------------------------|-----|-------------|----------------------------------------------------------|
| 38  | 354 (LG/RD)  | Engine Coolant Temperature (ECT) Sensor Input    | 69  | 331 (PK/YE) | Wide Open Throttle A/C Cutoff (WAC) Relay Output         |
| 39  | 743 (GY)     | Intake Air Temperature (IAT) Sensor Input        | 70  | —           | NOT USED                                                 |
| 40  | 238 (DG/YE)  | Fuel Pump Monitor Input                          | 71  | 361 (RD)    | Power (VPWR)                                             |
| 41  | 348 (VT)     | A/C High Pressure Cutoff Switch Input            | 72  | 561 (TN/RD) | Fuel Injector #7 Control                                 |
| 42  | —            | NOT USED                                         | 73  | 559 (TN/BK) | Fuel Injector #5 Control                                 |
| 43  | 305 (LB/PK)  | NOT USED                                         | 74  | 557 (BN/YE) | Fuel Injector #3 Control                                 |
| 44  | —            | NOT USED                                         | 75  | 555 (TN)    | Fuel Injector #1 Control                                 |
| 45  | —            | NOT USED                                         | 76  | 570 (BK/WH) | Power Ground                                             |
| 46  | —            | NOT USED                                         | 77  | 570 (BK/WH) | Power Ground                                             |
| 47  | 360 (BN/PK)  | EGR Vacuum Regulator (EVR) Control               | 78  | 528 (PK/WH) | Ignition Coil #3                                         |
| 48  | 11 (TN/YE)   | Tachometer                                       | 79  | 911 (WH/LG) | Transmission Control Indicator Lamp (TCIL) Output        |
| 49  | 1145 (LB/BK) | Digital Transmission Range (DTR) Sensor TR2      | 80  | 926 (LB/OG) | Fuel Pump Relay Control                                  |
| 50  | 1143 (WH/BK) | Digital Transmission Range (DTR) Sensor TR4      | 81  | 925 (WH/YE) | Electronic Pressure Control (EPC) Solenoid               |
| 51  | 570 (BK/WH)  | Power Ground                                     | 82  | —           | NOT USED                                                 |
| 52  | 527 (RD/LB)  | Ignition Coil #2                                 | 83  | 264 (WH/LB) | Idle Air Control (IAC) Valve Control                     |
| 53  | —            | NOT USED                                         | 84  | 136 (DB/YE) | Output Shaft Speed Sensor                                |
| 54  | 125 (DB/WH)  | Torque Converter Clutch Solenoid                 | 85  | 282 (DB/OG) | Camshaft Position (CMP) Sensor Input                     |
| 55  | 37 (YE)      | Keep Alive Power (B+)                            | 86  | 347 (BK/YE) | PCM To A/C Cycling Pressure Switch                       |
| 56  | 191 (LG/BK)  | EVAP Canister Purge Valve                        | 87  | 94 (RD/BK)  | Heated Oxygen Sensor #2 (HO2S) Input                     |
| 57  | —            | NOT USED                                         | 88  | 967 (LB/RD) | Mass Air Flow (MAF) Sensor Input                         |
| 58  | 679 (GY/BK)  | Vehicle Speed Sensor (VSS) Input                 | 89  | 355 (GY/WH) | Throttle Position (TP) Sensor Input                      |
| 59  | —            | NOT USED                                         | 90  | 351 (BN/WH) | Reference Voltage                                        |
| 60  | 74 (GY/LB)   | Heated Oxygen Sensor #1 (HO2S) Input             | 91  | 359 (GY/RD) | Signal Return                                            |
| 61  | 393 (VT/LG)  | Heated Oxygen Sensor #4 (HO2S) Input             | 92  | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Input                  |
| 62  | 791 (RD/PK)  | Fuel Tank Pressure Sensor                        | 93  | 387 (RD/WH) | Heated Oxygen Sensor #1 (HO2S) Heater                    |
| 63  | —            | NOT USED                                         | 94  | 388 (YE/LB) | Heated Oxygen Sensor #2 (HO2S) Heater                    |
| 64  | 199 (LB/YE)  | Digital Transmission Range (DTR) Sensor TR3A     | 95  | 389 (WH/BK) | Heated Oxygen Sensor #3 (HO2S) Heater (Catalyst Monitor) |
| 65  | 352 (BN/LG)  | Differential Pressure Feedback EGR (DPFE) Sensor |     |             |                                                          |
| 66  | —            | NOT USED                                         |     |             |                                                          |
| 67  | 91 (VT/WH)   | Canister Vent (CV) Solenoid                      |     |             |                                                          |
| 68  | —            | NOT USED                                         |     |             |                                                          |

# ENGINE CONTROLS (5.0L) 25-10

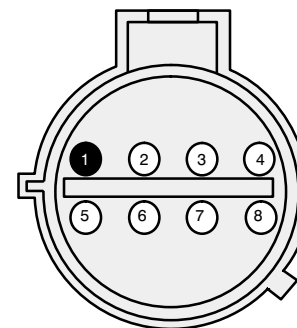
1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT     | CIRCUIT FUNCTION                      |
|-----|-------------|---------------------------------------|
| 96  | 390 (TN/YE) | Heated Oxygen Sensor #4 (HO2S) Heater |
| 97  | 361 (RD)    | Power (VPWR)                          |
| 98  | 562 (LB)    | Fuel Injector #8 Control              |
| 99  | 560 (LG/OG) | Fuel Injector #6 Control              |
| 100 | 558 (BN/LB) | Fuel Injector #4 Control              |
| 101 | 556 (WH)    | Fuel Injector #2 Control              |
| 102 | —           | NOT USED                              |
| 103 | 570 (BK/WH) | Power Ground                          |
| 104 | 529 (RD/YE) | Ignition Coil #4                      |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C112      | 30-5         |
| C180      | 30-5         |
| C282      | 59-8         |
| C283      | 59-7         |
| C286      | 62-7         |
| C287      | 62-7         |
| C291      | 14-2         |

5.0L



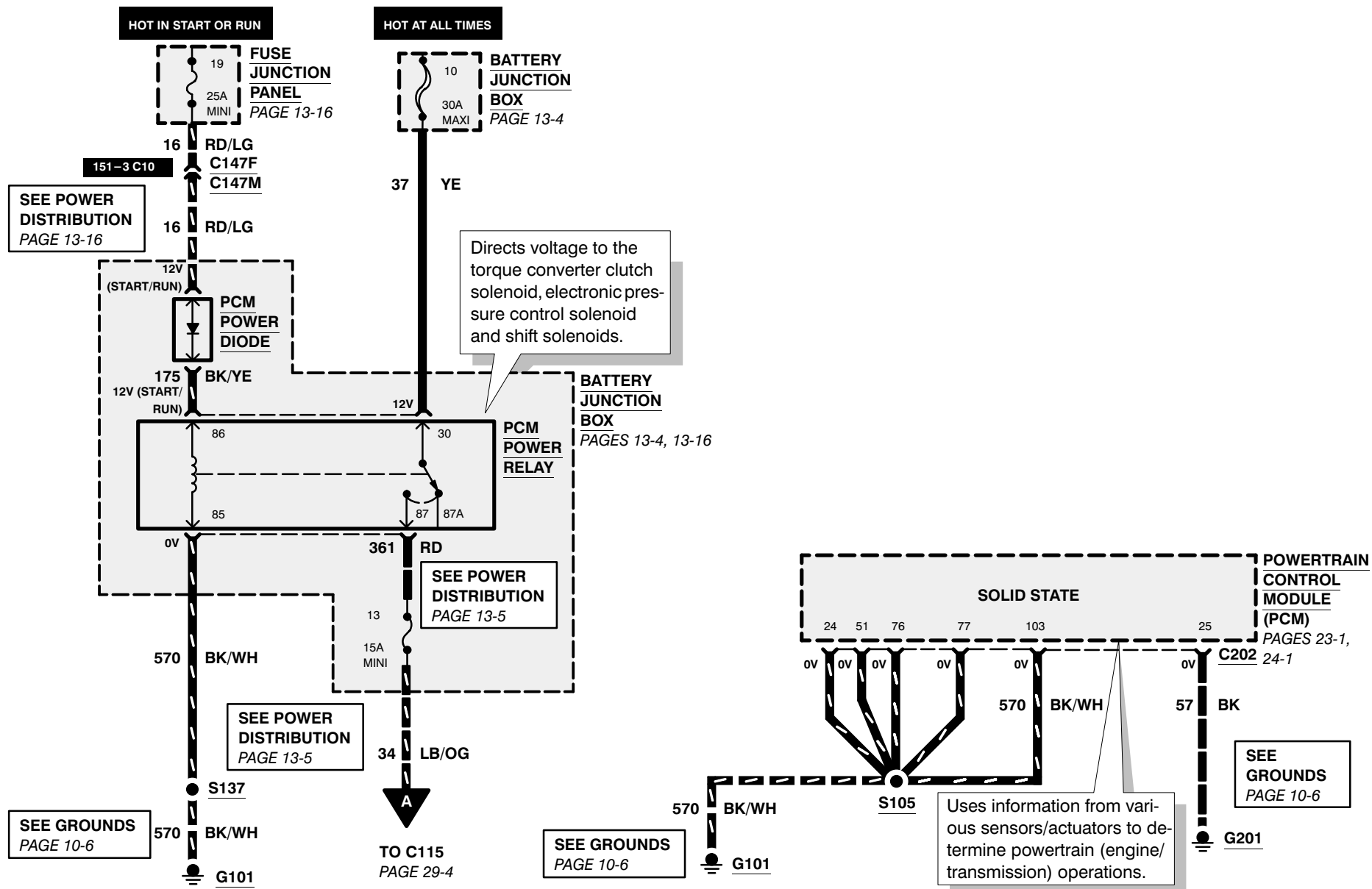
**C311**  
**FUEL TANK ASSEMBLY**  
**(HARNESS SIDE)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION            |
|-----|-------------|-----------------------------|
| 1   | —           | NOT USED                    |
| 2   | 359 (GY/RD) | Signal Return               |
| 3   | 791 (RD/PK) | Pressure Transducer Output  |
| 4   | 351 (BN/WH) | Reference Voltage           |
| 5   | 29 (YE/WH)  | Instrument Cluster Output   |
| 6   | 57 (BK)     | Ground                      |
| 7   | 787 (PK/BK) | Inertia Fuel Shutoff Output |
| 8   | 651 (BK/YE) | Ground                      |

# 29-1 TRANSMISSION CONTROLS (5R55E)

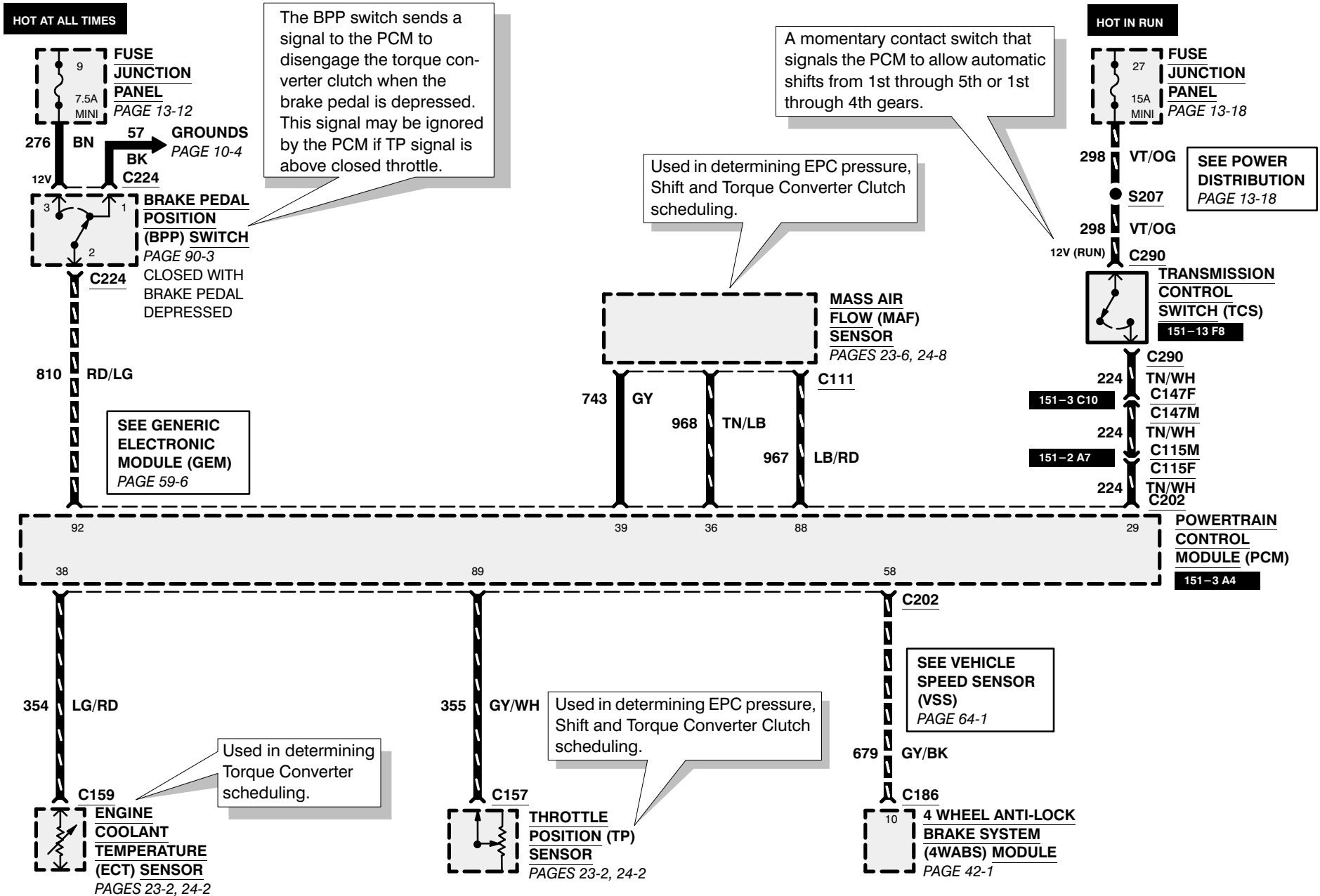
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to  
Section 307-01 of the Workshop Manual.



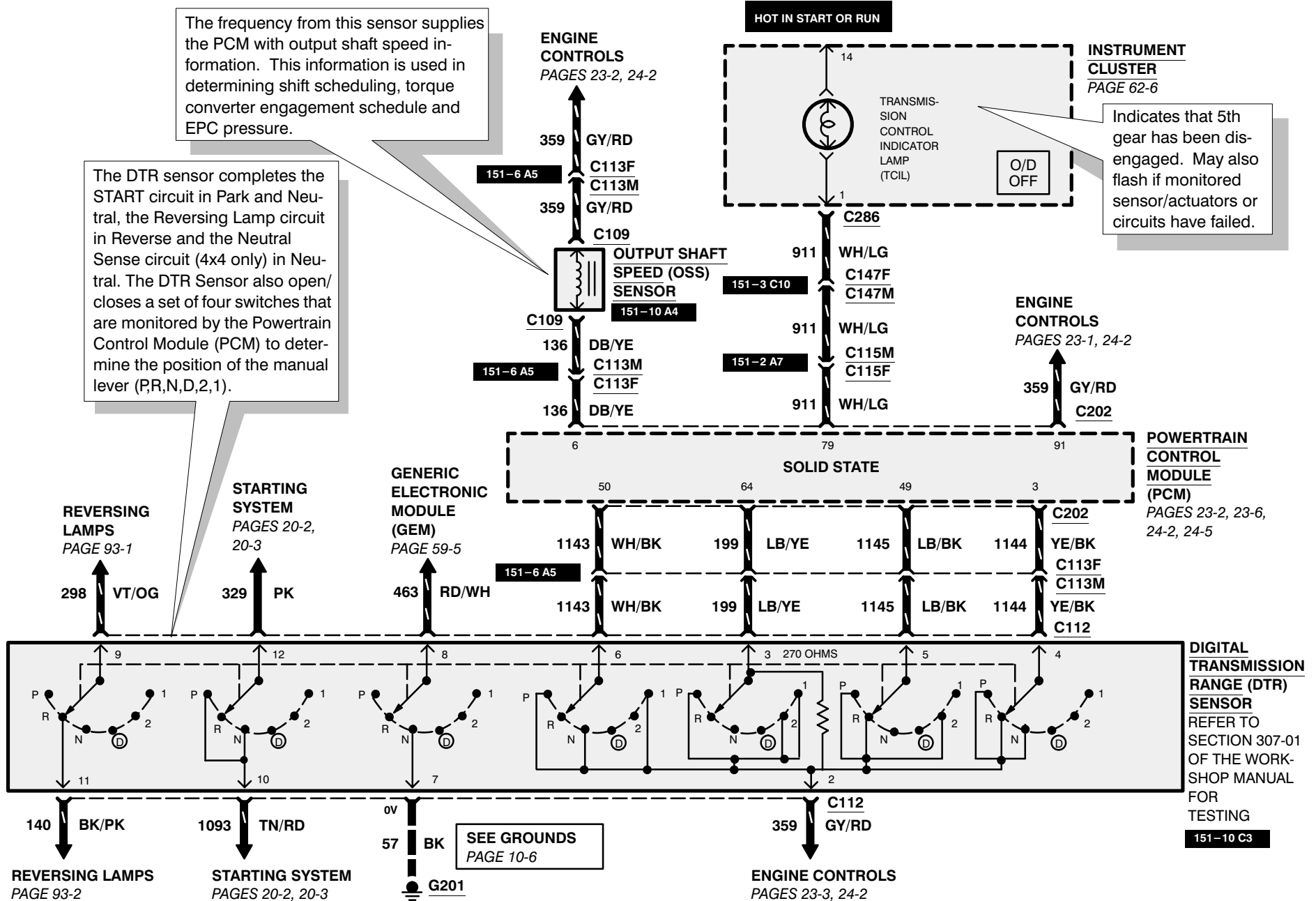
# TRANSMISSION CONTROLS (5R55E) 29-2

1999 EXPLORER/MOUNTAINEER



# 29-3 TRANSMISSION CONTROLS (5R55E)

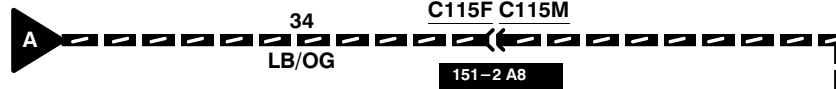
1999 EXPLORER/MOUNTAINEER



# TRANSMISSION CONTROLS (5R55E) 29-4

1999 EXPLORER/MOUNTAINEER

FROM  
PCM  
POWER  
RELAY  
PAGE 29-1



SEE POWER  
DISTRIBUTION  
PAGES 13-6, 13-7

\* START OR RUN

The frequency from this sensor supplies the PCM with turbine shaft input speed information. This information is used in determining torque converter engagement scheduling and static EPC pressure.

This solenoid controls the apply and release pressure to the torque converter clutch control valve.

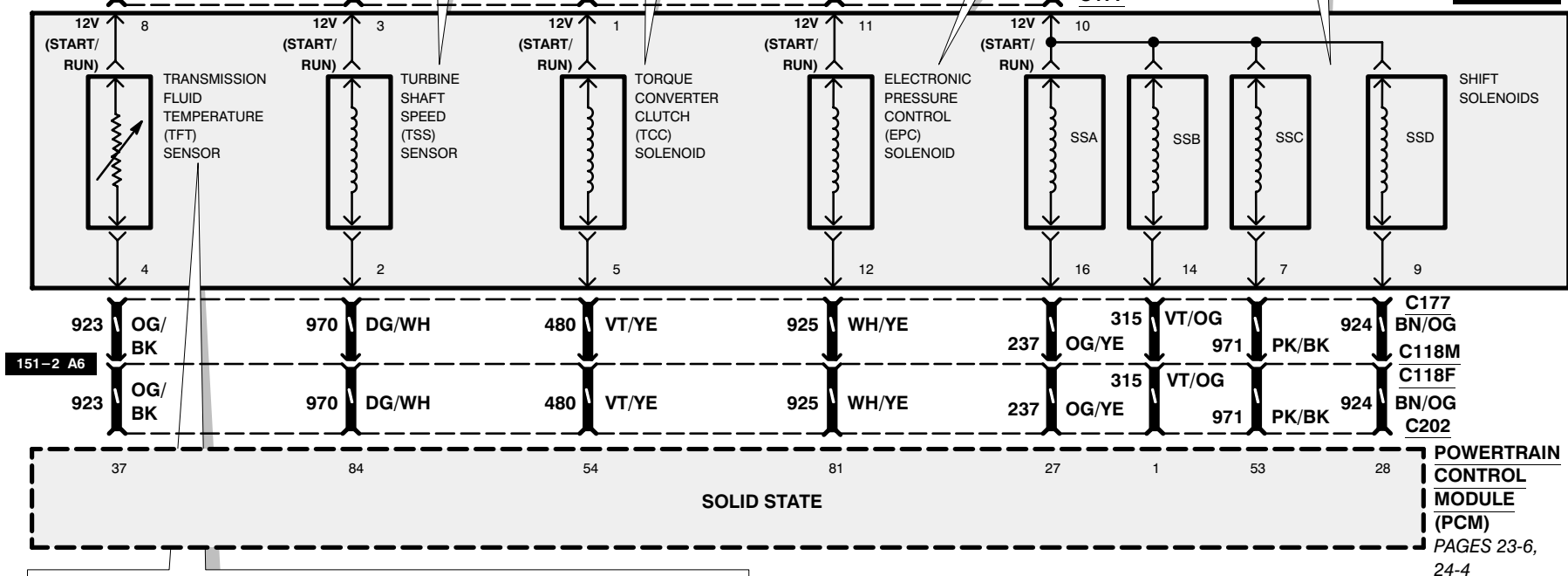
The Electronic Pressure Control (EPC) Solenoid is a variable force type solenoid that regulates transmission line pressure.

The Shift Solenoids provide gear selection of 1st through 5th by controlling the pressure to the shift valves.

ENGINE  
CONTROLS  
PAGES 23-3,  
24-2

ENGINE  
CONTROLS  
PAGES 23-2,  
24-2

5R55E  
TRANSMISSION  
151-10 C3

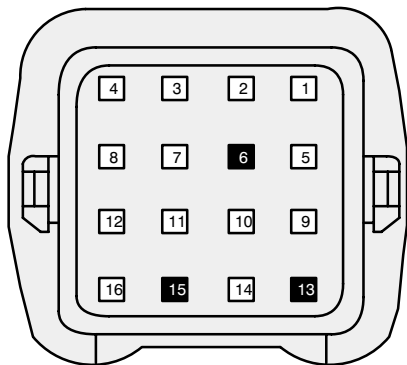


The PCM monitors the voltage drop across a temperature sensitive thermistor. The PCM uses this information to determine transmission fluid temperature for adjustment of shift schedules and torque converter clutch engagement schedules. It is also used to adjust EPC pressure for temperature.

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

## 29-5 TRANSMISSION CONTROLS (5R55E)

1999 EXPLORER/MOUNTAINEER

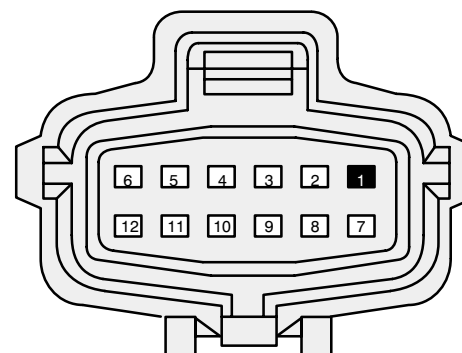


**C177**

### 5R55E AUTOMATIC TRANSMISSION

| PIN | CIRCUIT     | CIRCUIT FUNCTION                            |
|-----|-------------|---------------------------------------------|
| 1   | 34 (LB/OG)  | Vehicle Power                               |
| 2   | 970 (DG/WH) | Turbine Shaft Speed (TSS) Sensor            |
| 3   | 359 (GY/RD) | Signal Return                               |
| 4   | 923 (OG/BK) | Transmission Fluid Temperature (TFT) Sensor |
| 5   | 480 (VT/YE) | Torque Converter Clutch (TCC) Solenoid      |
| 6   | —           | NOT USED                                    |
| 7   | 971 (PK/BK) | Shift Solenoid C                            |
| 8   | 359 (GY/RD) | Signal Return                               |
| 9   | 924 (BN/OG) | Shift Solenoid D                            |
| 10  | 34 (LB/OG)  | Vehicle Power                               |
| 11  | 34 (LB/OG)  | Vehicle Power                               |
| 12  | 925 (WH/YE) | Electronic Pressure Control (EPC) Solenoid  |
| 13  | —           | NOT USED                                    |
| 14  | 315 (VT/OG) | Shift Solenoid B                            |
| 15  | —           | NOT USED                                    |
| 16  | 237 (OG/YE) | Shift Solenoid A                            |

**5R55E**



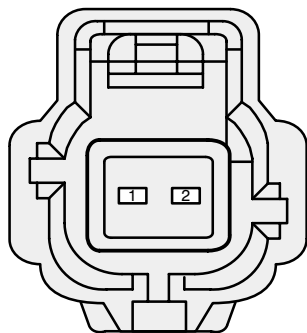
**C112**

### DIGITAL TRANSMISSION RANGE (DTR) SENSOR

| PIN | CIRCUIT      | CIRCUIT FUNCTION                             |
|-----|--------------|----------------------------------------------|
| 1   | —            | NOT USED                                     |
| 2   | 359 (GY/RD)  | Signal Return                                |
| 3   | 199 (LB/YE)  | Digital Transmission Range (DTR) Sensor TR3A |
| 4   | 1144 (YE/BK) | Digital Transmission Range (DTR) Sensor TR1  |
| 5   | 1145 (LB/BK) | Digital Transmission Range (DTR) Sensor TR2  |
| 6   | 1143 (WH/BK) | Digital Transmission Range (DTR) Sensor TR4  |
| 7   | 57 (BK)      | Ground                                       |
| 8   | 463 (RD/WH)  | Neutral                                      |
| 9   | 298 (VT/OG)  | Power (Hot in Run)                           |
| 10  | 1093 (TN/RD) | Start Circuit                                |
| 11  | 140 (BK/PK)  | Reversing Lamps Feed                         |
| 12  | 329 (PK)     | Start Circuit                                |

# TRANSMISSION CONTROLS (5R55E) 29-6

1999 EXPLORER/MOUNTAINEER



**C109**  
**OUTPUT SHAFT SPEED (OSS) SENSOR**

## CONNECTOR REFERENCE LIST

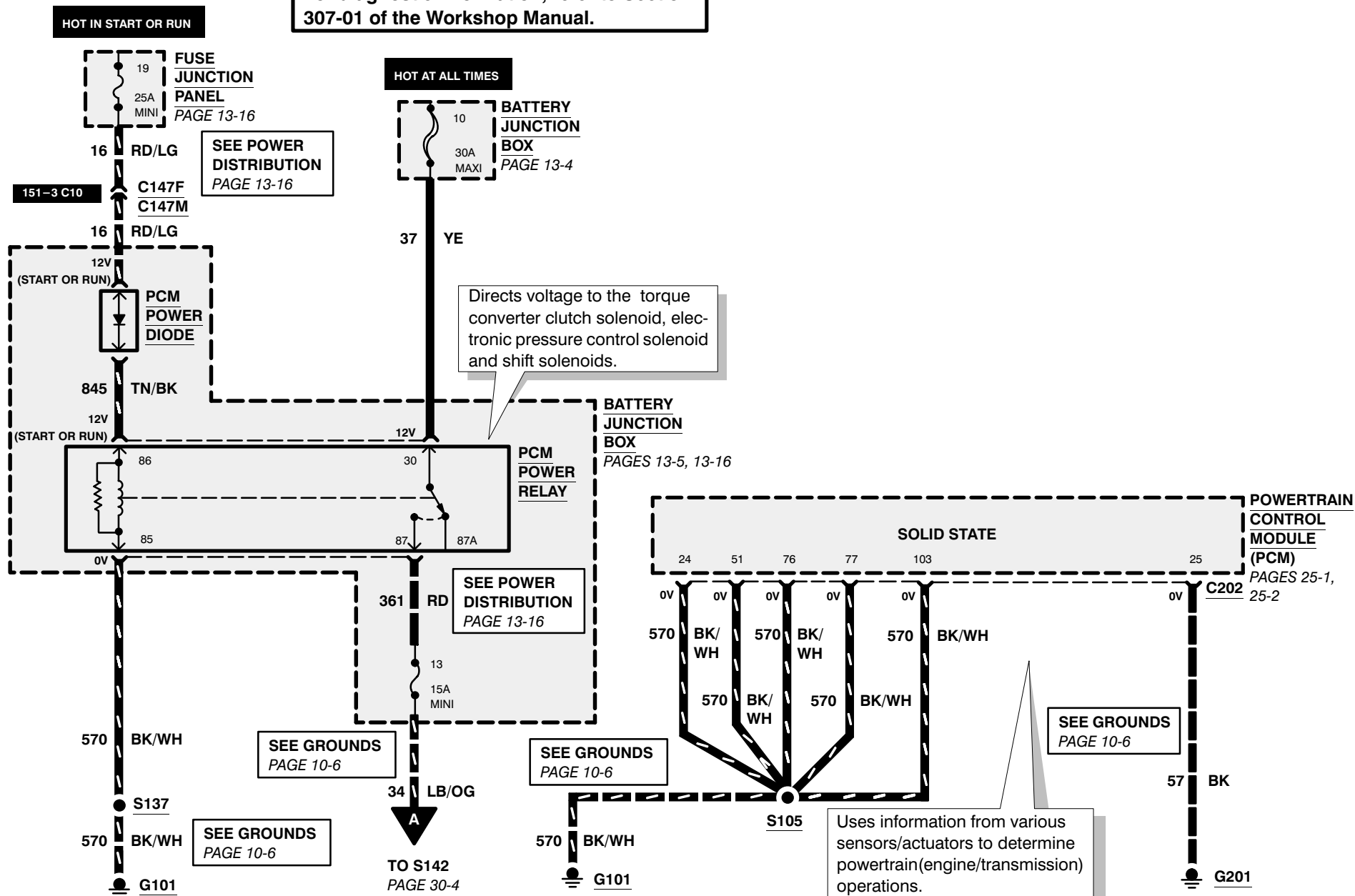
| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C202      | 23-8, 24-9   |
| C286      | 62-7         |

| PIN | CIRCUIT     | CIRCUIT FUNCTION                       |
|-----|-------------|----------------------------------------|
| 1   | 136 (DB/YE) | OSS to Powertrain Control Module (PCM) |
| 2   | 359 (GY/RD) | Signal Return                          |

# 30-1 TRANSMISSION CONTROLS (4R70W)

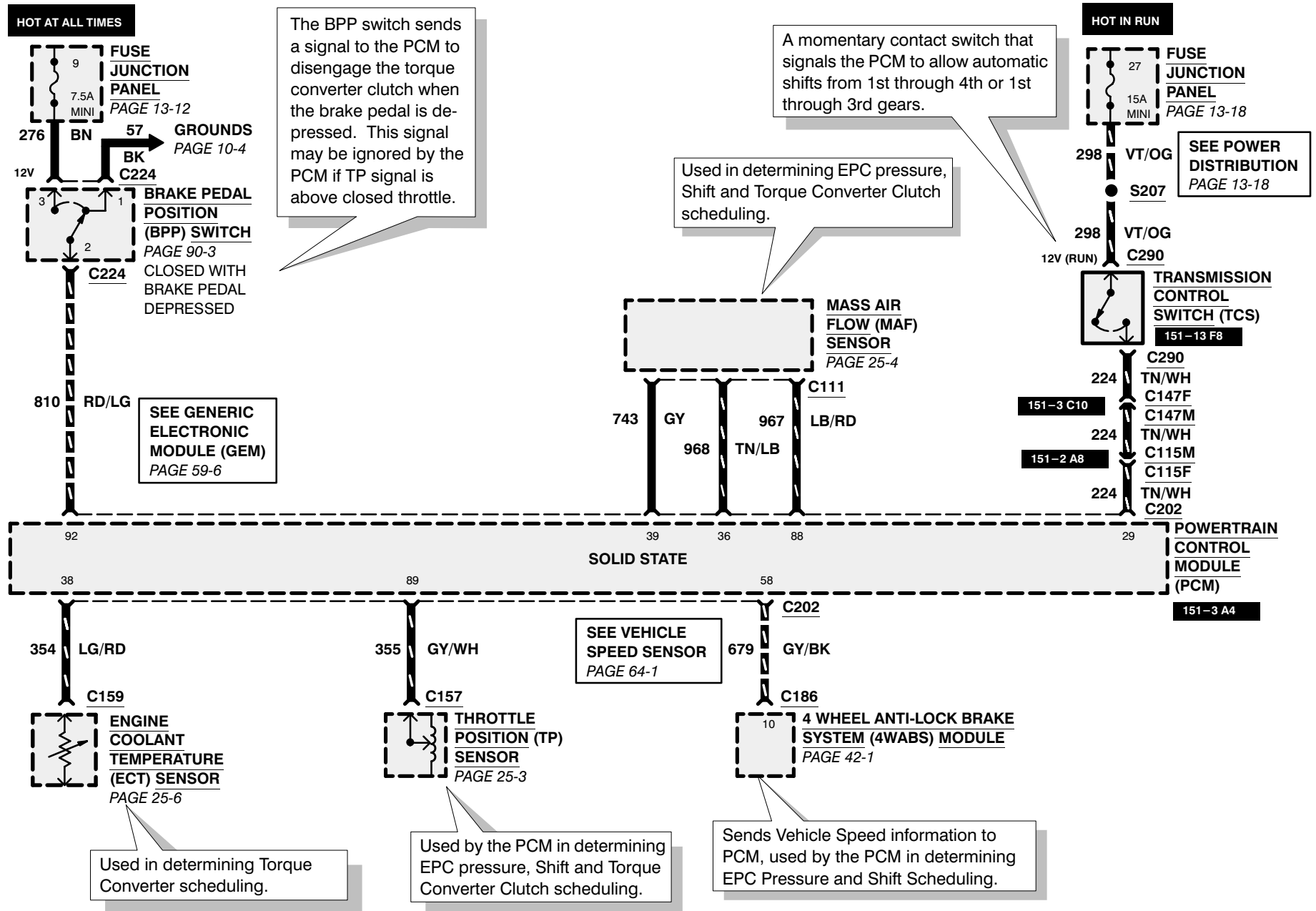
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 307-01 of the Workshop Manual.

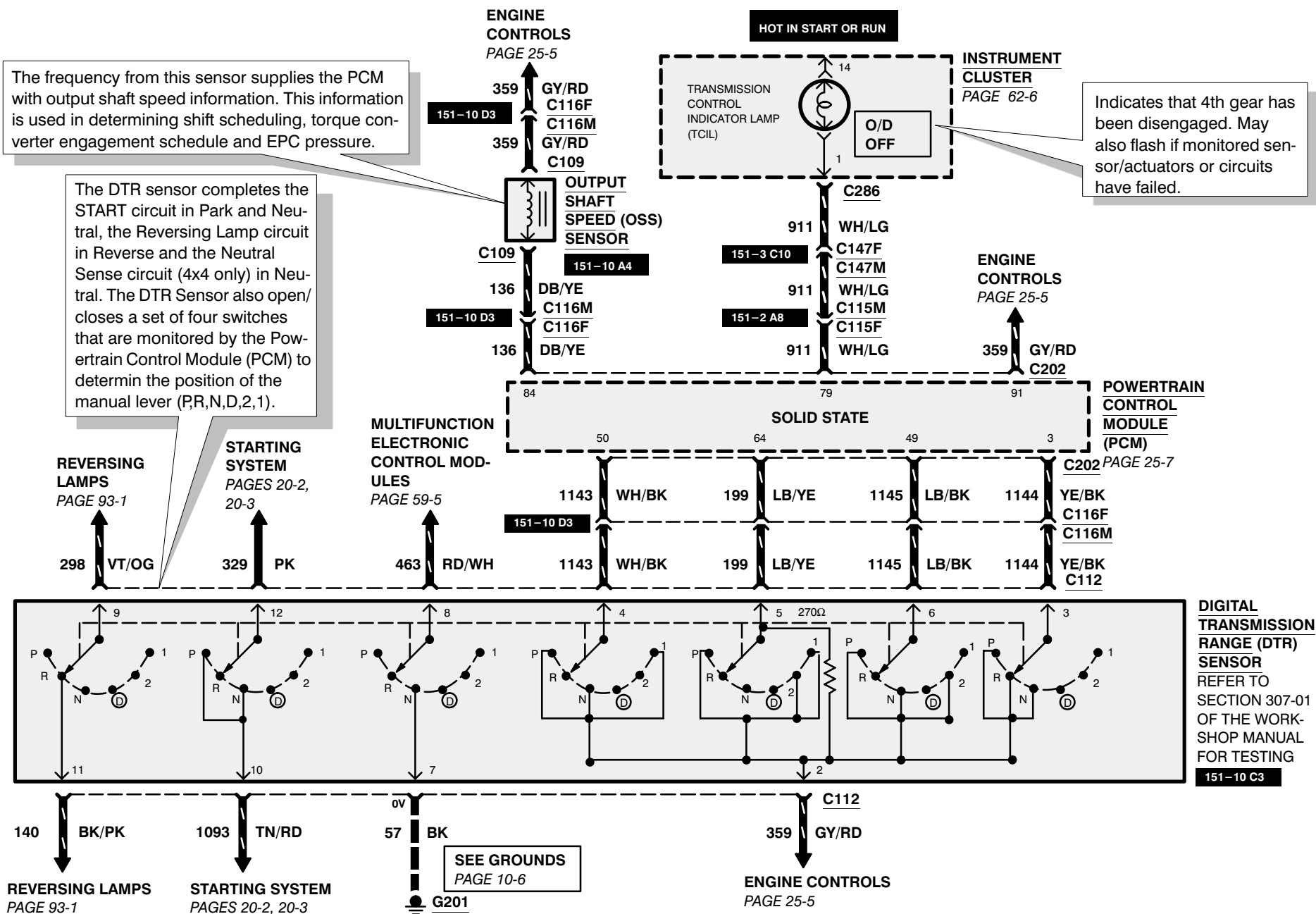


# TRANSMISSION CONTROLS (4R70W) 30-2

1999 EXPLORER/MOUNTAINEER



## 1999 EXPLORER/MOUNTAINEER



# TRANSMISSION CONTROLS (4R70W) 30-4

1999 EXPLORER/MOUNTAINEER

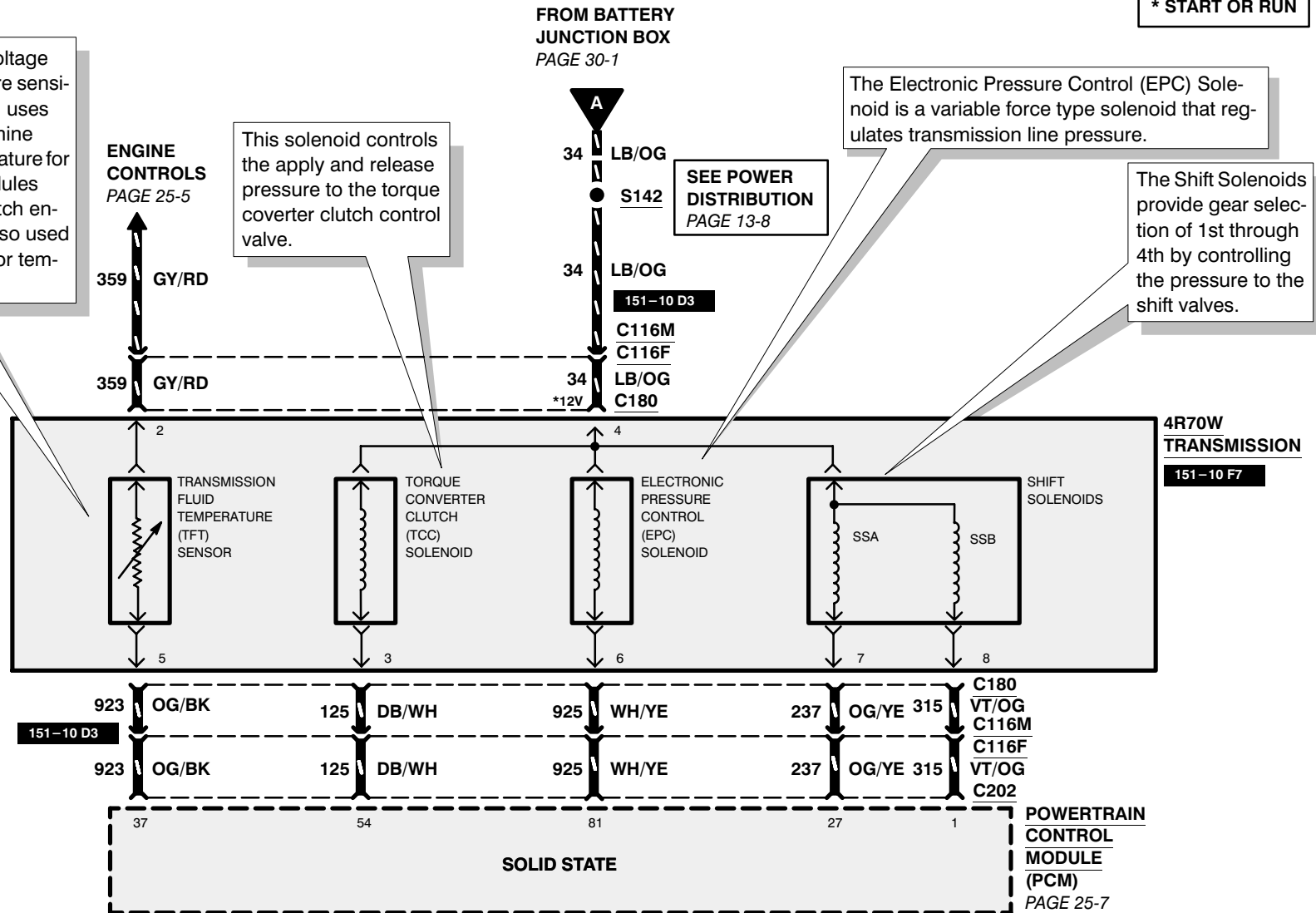
\* START OR RUN

The PCM monitors the voltage drop across a temperature sensitive thermistor. The PCM uses this information to determine transmission fluid temperature for adjustment of shift schedules and torque converter clutch engagement schedules. Also used to adjust EPC pressure for temperature.

This solenoid controls the apply and release pressure to the torque converter clutch control valve.

The Electronic Pressure Control (EPC) Solenoid is a variable force type solenoid that regulates transmission line pressure.

The Shift Solenoids provide gear selection of 1st through 4th by controlling the pressure to the shift valves.

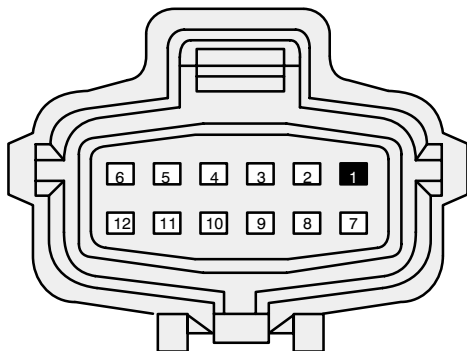


Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.

# 30-5 TRANSMISSION CONTROLS (4R70W)

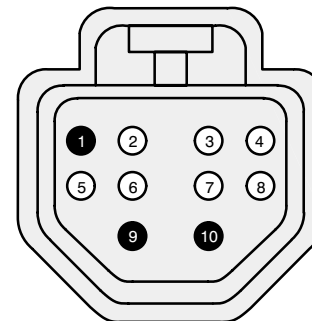
1999 EXPLORER/MOUNTAINEER

4R70W



**C112**  
**DIGITAL TRANSMISSION RANGE**  
**(DTR) SENSOR**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                             |
|-----|--------------|----------------------------------------------|
| 1   | —            | NOT USED                                     |
| 2   | 359 (GY/RD)  | Signal Return                                |
| 3   | 199 (LB/YE)  | Digital Transmission Range (DTR) Sensor TR3A |
| 4   | 1144 (YE/BK) | Digital Transmission Range (DTR) Sensor TR1  |
| 5   | 1145 (LB/BK) | Digital Transmission Range (DTR) Sensor TR2  |
| 6   | 1143 (WH/PK) | Digital Transmission Range (DTR) Sensor TR4  |
| 7   | 57 (BK)      | Ground                                       |
| 8   | 463 (RD/WH)  | Neutral                                      |
| 9   | 298 (VT/OG)  | Power (Hot in Run)                           |
| 10  | 1093 (TN/RD) | Start Circuit                                |
| 11  | 140 (BK/VT)  | Reversing Lamps Feed                         |
| 12  | 329 (PK)     | Start Circuit                                |



**C180 (BLACK)**  
**4R70W TRANSMISSION**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                      |
|-----|-------------|---------------------------------------|
| 1   | —           | NOT USED                              |
| 2   | 359 (GY/RD) | Signal Return                         |
| 3   | 125 (DB/WH) | Torque Converter Clutch Solenoid      |
| 4   | 34 (LB/OG)  | Vehicle Power                         |
| 5   | 923 (OG/BK) | Transmission Fluid Temperature Sensor |
| 6   | 925 (WH/YE) | Electronic Pressure Control           |
| 7   | 237 (OG/YE) | Shift Solenoid A                      |
| 8   | 315 (VT/OG) | Shift Soenoid B                       |
| 9   | —           | NOT USED                              |
| 10  | —           | NOT USED                              |

## NOTES 30-6

## 1999 EXPLORER/MOUNTAINEER

1999 EXPLORER/MOUNTAINEER

# 31-1 SPEED CONTROL

1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to Section 310-03 of the Workshop Manual.

\* BRAKE PEDAL POSITION SWITCH CLOSED

Speed Control system deactivates when brake pedal is depressed.

HOT AT ALL TIMES

FUSE JUNCTION PANEL  
PAGE 13-12

276 12V BN  
C224  
BRAKE PEDAL POSITION (BPP) SWITCH  
PAGE 90-3

SEE GROUNDS  
PAGE 10-4

57 BK  
G100

C224  
0V  
12V (SWITCH CLOSED)  
C224

810 RD/LG

SEE MULTIFUNCTION ELECTRONIC CONTROL MODULES  
PAGE 59-6

A/T W/O HIGH SERIES CONSOLE

A/T WITH HIGH SERIES CONSOLE

MANUAL TRANSMISSION

810 RD/LG  
\*12V C209  
CLUTCH PEDAL POSITION (CPP) SWITCH JUMPER  
PAGE 20-3  
C209  
306 TN/LB

810 RD/LG  
S147  
306 TN/LB

810 RD/LG  
\*12V C209  
CLUTCH PEDAL POSITION (CPP) SWITCH  
PAGE 20-1  
C209  
306 TN/LB

Utilizes a vehicle speed signal to increase or decrease vehicle speed and to maintain set speed.

306 TN/LB  
\*12V

4  
BRAKE APPLIED INPUT

HOT AT ALL TIMES

FUSE JUNCTION PANEL  
PAGE 13-12

SEE POWER DISTRIBUTION  
PAGE 13-12

SEE POWER DISTRIBUTION  
PAGE 13-13

151-3 C10

10 LG/RD  
C148F  
C148M  
10 LG/RD  
C102

12V  
BRAKE PRESSURE SWITCH  
OPENS WHEN BRAKE SYSTEM HAS PRESSURE  
151-2 A8

307 BK/YE

HOT IN RUN

FUSE JUNCTION PANEL  
PAGE 13-13

1003 GY/YE

151-1 A10

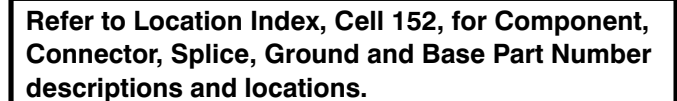
C146F  
C146M

12V (RUN) C171

SPEED CONTROL SERVO  
151-2 A3

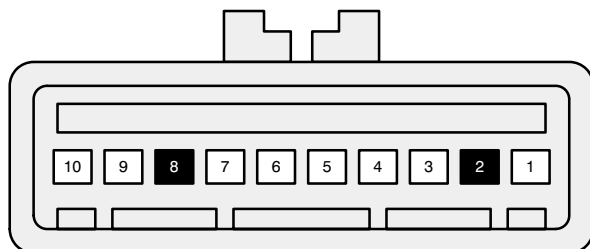
9  
BRAKE PRESSURE SWITCH INPUT

7  
IGNITION FEED

**1999 EXPLORER/MOUNTAINEER**

# 31-3 SPEED CONTROL

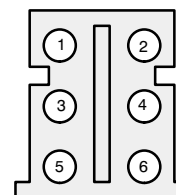
1999 EXPLORER/MOUNTAINEER



**C171 (BLACK)**  
**SPEED CONTROL SERVO**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                        |
|-----|--------------|-----------------------------------------|
| 1   | 203 (OG/LB)  | Speed Control Indicator Lamp Ground     |
| 2   | —            | NOT USED                                |
| 3   | 679 (GY/BK)  | Vehicle Speed Sensor (VSS) Signal Input |
| 4   | 306 (TN/LB)  | Brake Pedal Position (BPP) Switch Input |
| 5   | 151 (LB/BK)  | Speed Control Switch Input              |
| 6   | 848 (DG/OG)  | Speed Control Switch Ground             |
| 7   | 1003 (GY/YE) | Ignition (Hot in Run)                   |
| 8   | —            | NOT USED                                |
| 9   | 307 (BK/YE)  | Brake Pressure Switch Input             |
| 10  | 57 (BK)      | Ground                                  |

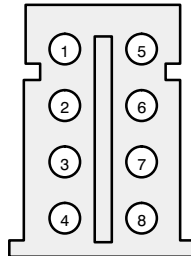
## W/O AUXILIARY CONTROLS



**C220 (BROWN)**  
**AIR BAG SLIDING CONTACT**

| PIN | CIRCUIT                    | CIRCUIT FUNCTION                                         |
|-----|----------------------------|----------------------------------------------------------|
| 1   | 151 (LB/BK)                | Cruise Control Switch Input                              |
| 2   | 6 (YE/LG)<br>6 (YE/LG)     | Horn Relay<br>Remote Anti-Theft Personality (RAP) Module |
| 3   | 235 (RD/BK)                | Instrument Illumination                                  |
| 4   | 848 (DG/OG)                | Cruise Control Switch Ground                             |
| 5   | 570 (BK/WH)<br>570 (BK/WH) | Ground<br>Ground                                         |
| 6   | 158 (BK/PK)                | Key-In Ignition Input to GEM                             |

## W/AUXILIARY CONTROLS



**C220 (BLACK)**  
**AIR BAG SLIDING CONTACT**

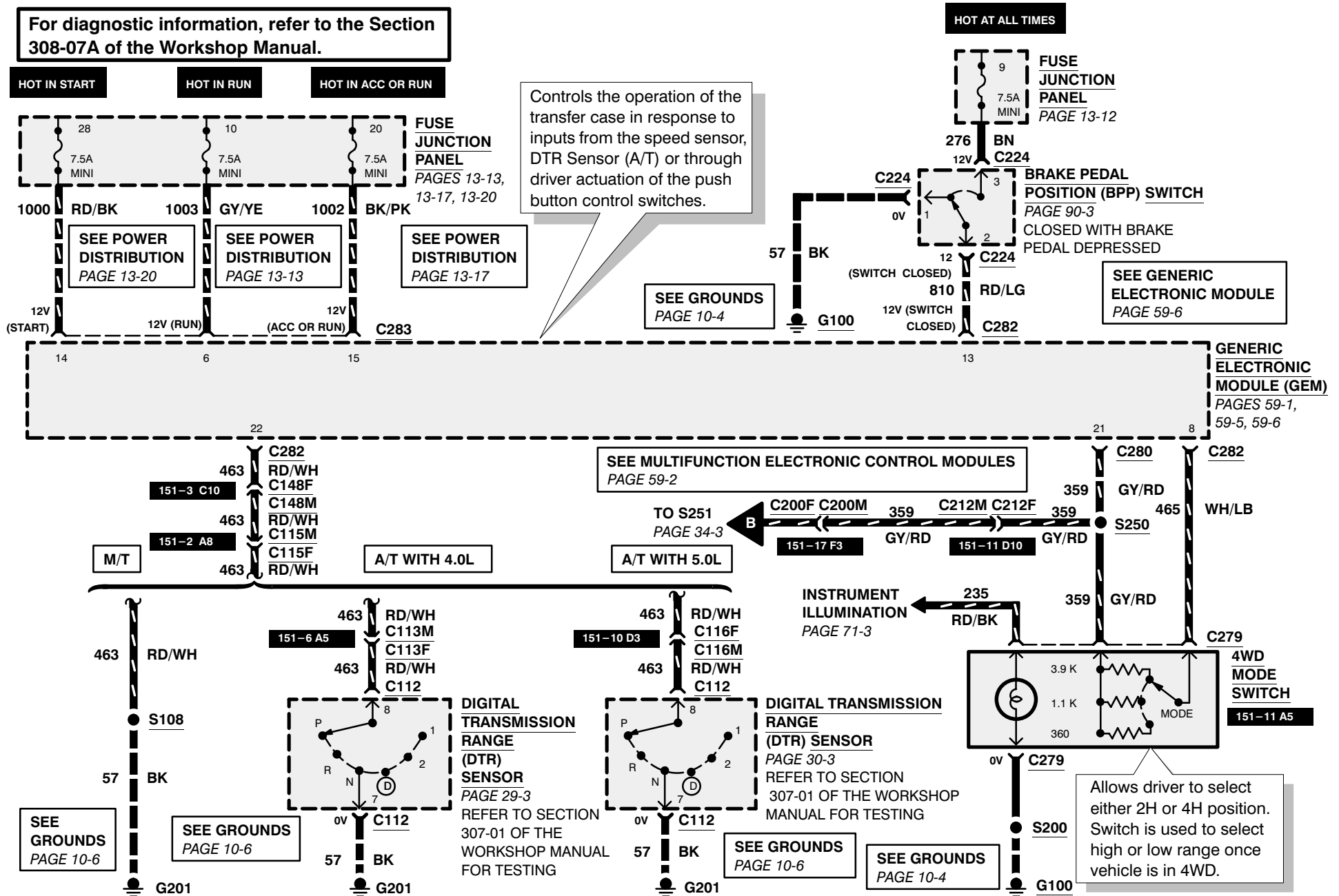
## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C186      | 42-3         |
| C209      | 20-4         |
| C224      | 90-5         |
| C286      | 62-7         |

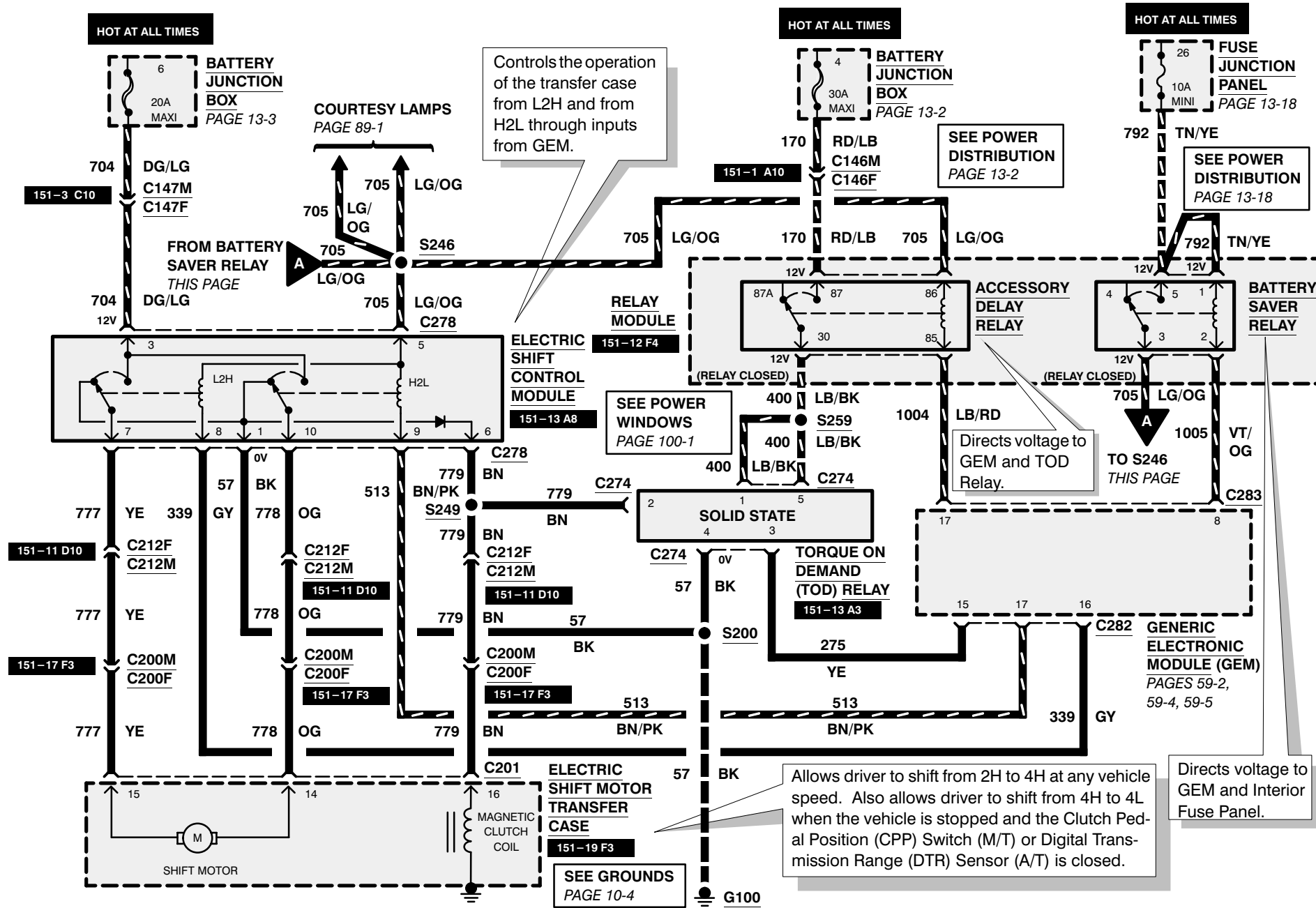
| PIN | CIRCUIT     | CIRCUIT FUNCTION             |
|-----|-------------|------------------------------|
| 1   | 151 (LB/BK) | Cruise Control Switch Input  |
| 2   | 235 (RD/BK) | Instrument Illumination      |
| 3   | 583 (YE)    | EATC Input                   |
| 4   | 570 (BK/WH) | Ground                       |
| 5   | 6 (YE/LG)   | Horn Relay, RAP Module       |
| 6   | 848 (DG/OG) | Cruise Control Switch Ground |
| 7   | 595 (LB/RD) | Radio Input                  |
| 8   | 158 (BK/VT) | Key-In Ignition Input To GEM |

## 1999 EXPLORER/MOUNTAINEER

**HOT IN START                      HOT IN RUN                      HOT IN ACC OR RUN**

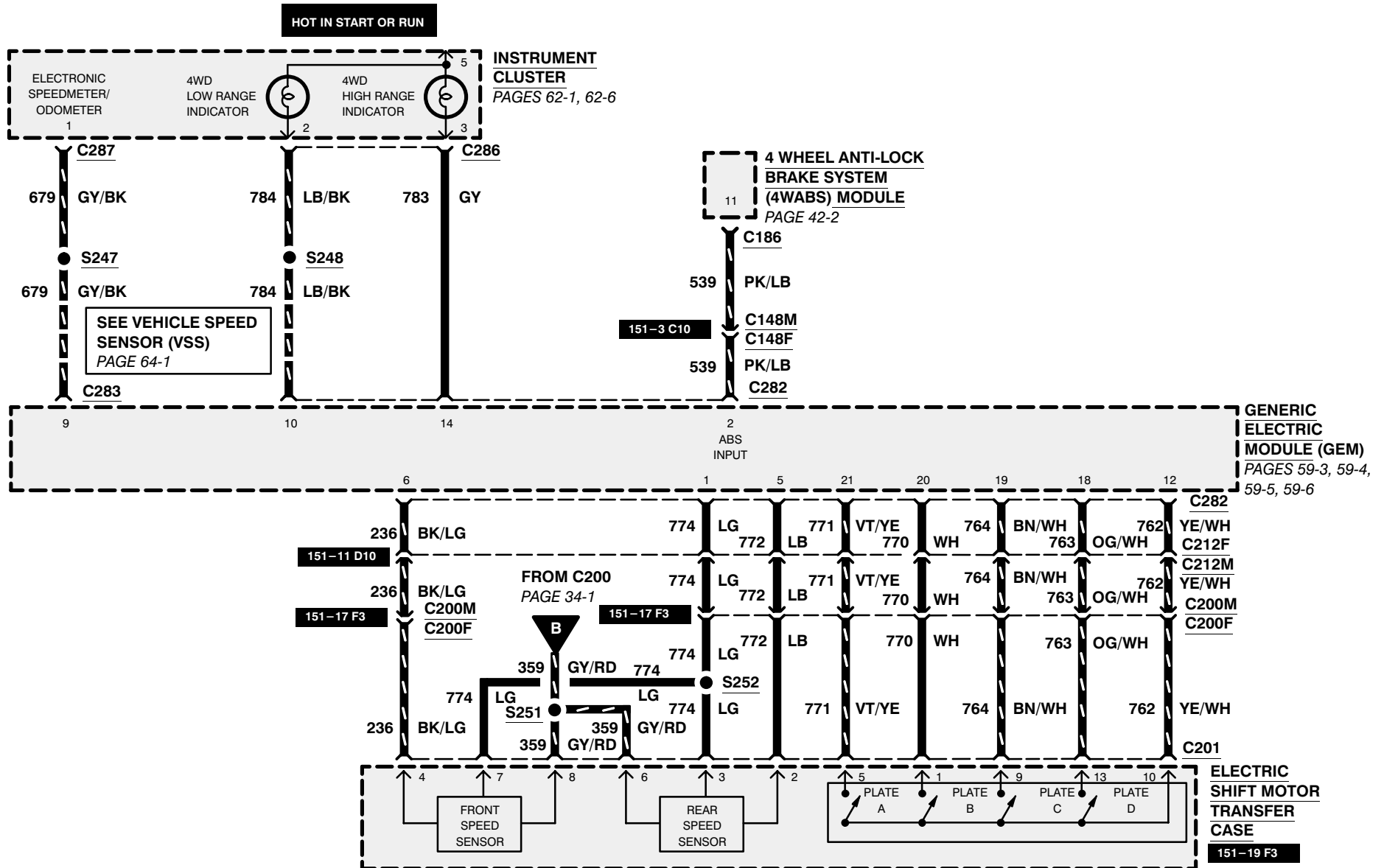


## 1999 EXPLORER/MOUNTAINEER



# 34-3 ELECTRIC SHIFT CONTROL

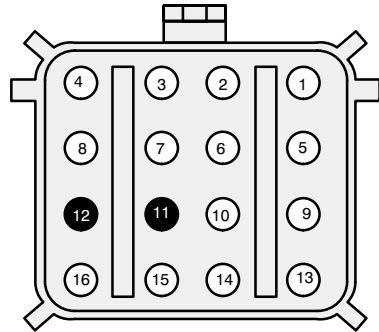
1999 EXPLORER/MOUNTAINEER



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

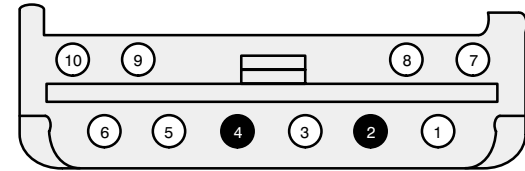
# ELECTRIC SHIFT CONTROL 34-4

1999 EXPLORER/MOUNTAINEER



**C201 (BLACK)**  
**ELECTRIC SHIFT MOTOR TRANSFER CASE**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                 |
|-----|-------------|----------------------------------|
| 1   | 770 (WH)    | Motor Position #4                |
| 2   | 772 (LB)    | Rear Speed Sensor Coil           |
| 3   | 774 (LG)    | Speed Sensor Power               |
| 4   | 236 (BK/LG) | Front Speed Sensor Coil          |
| 5   | 771 (VT/YE) | Motor Position #5                |
| 6   | 359 (GY/RD) | Sensor Signal Return             |
| 7   | 774 (LG)    | Speed Sensor Power               |
| 8   | 359 (GY/YE) | Speed Sensor Return              |
| 9   | 764 (BN/WH) | Motor Position #3                |
| 10  | 762 (YE/WH) | Motor Position #1                |
| 11  | —           | NOT USED                         |
| 12  | —           | NOT USED                         |
| 13  | 763 (OG/WH) | Motor Position #2                |
| 14  | 778 (OG)    | Shift Relay to Motor H2L         |
| 15  | 777 (YE)    | Shift Relay to Motor L2H         |
| 16  | 779 (BN)    | Shift Relay to Electronic Clutch |

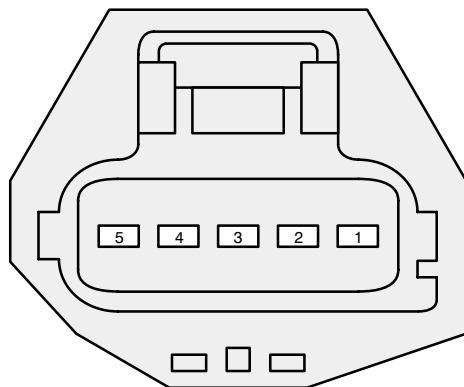


**C278 (BLACK)**  
**TRANSFER CASE SHIFT RELAY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                 |
|-----|-------------|----------------------------------|
| 1   | 57 (BK)     | Ground                           |
| 2   | —           | NOT USED                         |
| 3   | 704 (DG/LG) | Power (Hot at All Times)         |
| 4   | —           | NOT USED                         |
| 5   | 705 (LG/OG) | Power (Hot at All Times)         |
| 6   | 779 (BN)    | Shift Relay to Electronic Clutch |
| 7   | 777 (YE)    | Shift Relay to Motor L2H         |
| 8   | 339 (GY)    | Relay Coil to GEM (L2H)          |
| 9   | 513 (BN/PK) | Relay Coil to GEM (H2L)          |
| 10  | 778 (OG)    | Shift Relay to Motor H2L         |

# 34-5 ELECTRIC SHIFT CONTROL

1999 EXPLORER/MOUNTAINEER



**C274**  
**TORQUE ON DEMAND (TOD) RELAY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                           |
|-----|-------------|------------------------------------------------------------|
| 1   | 400 (LB/BK) | Safety Relay Load Terminal to Window Regulator Switch Feed |
| 2   | 779 (BN)    | Electrical Shift 4X4 Module to Electric Clutch             |
| 3   | 275 (YE)    | Switch on to Relay                                         |
| 4   | 57 (BK)     | Ground                                                     |
| 5   | 400 (LB/BK) | Safety Relay Load Terminal to Window Regulator Switch Feed |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C171      | 31-3         |
| C280      | 59-7         |
| C282      | 59-8         |
| C283      | 59-7         |
| C286      | 62-7         |
| C287      | 62-7         |

## NOTES 34-6

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 37-1 SHIFT LOCK

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to  
Section 307-05 of the Workshop Manual.

SEE POWER  
DISTRIBUTION  
PAGE 13-13

SEE GROUNDS  
PAGE 10-4

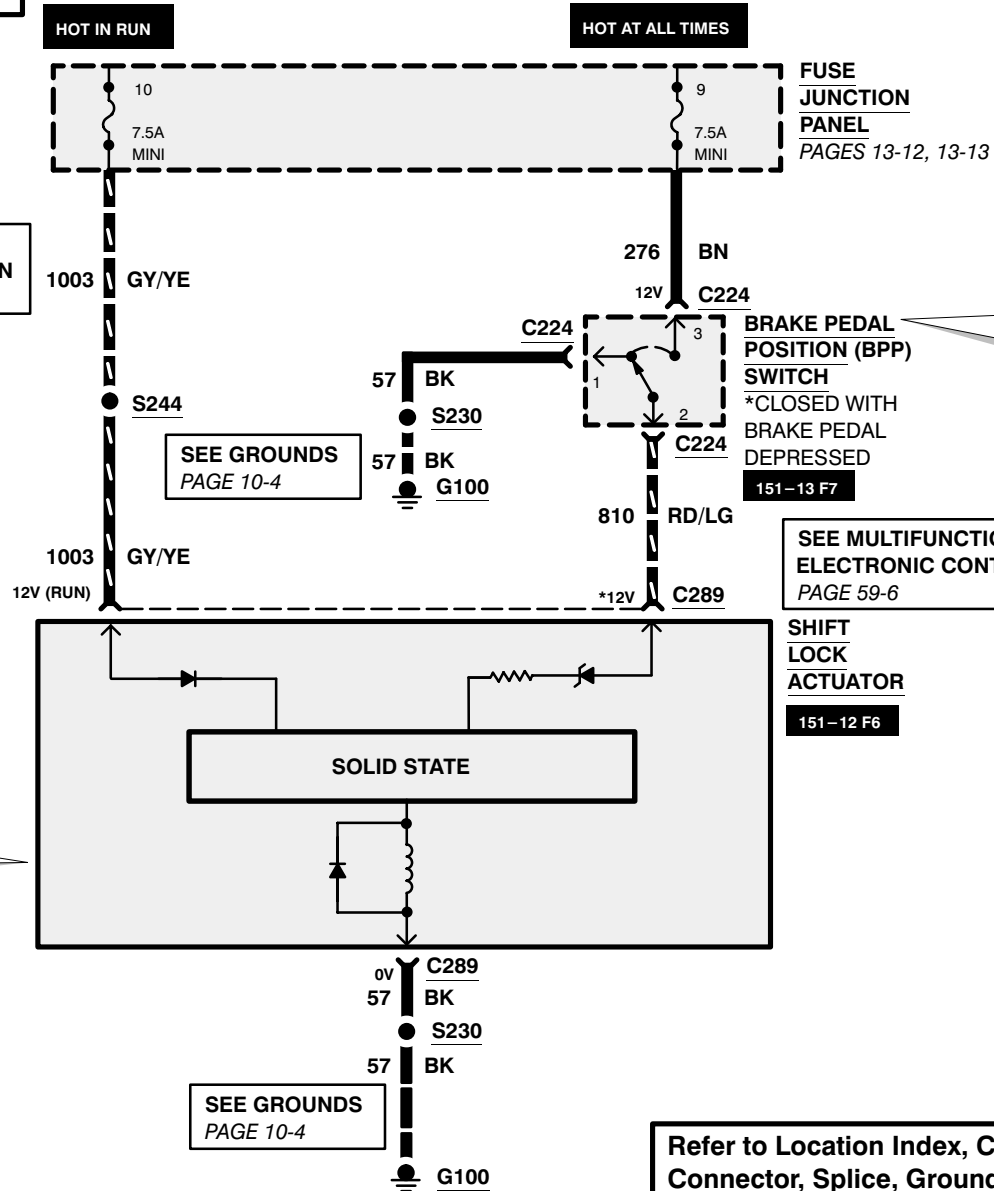
FUSE  
JUNCTION  
PANEL  
PAGES 13-12, 13-13

Signals Shift Lock  
Actuator brake pedal  
has been depressed.

SEE MULTIFUNCTION  
ELECTRONIC CONTROL MODULES  
PAGE 59-6

SHIFT  
LOCK  
ACTUATOR  
151-12 F6

With Ignition Switch in RUN,  
driver is unable to shift the  
automatic transmission out  
of PARK, unless the brake  
pedal is depressed.



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

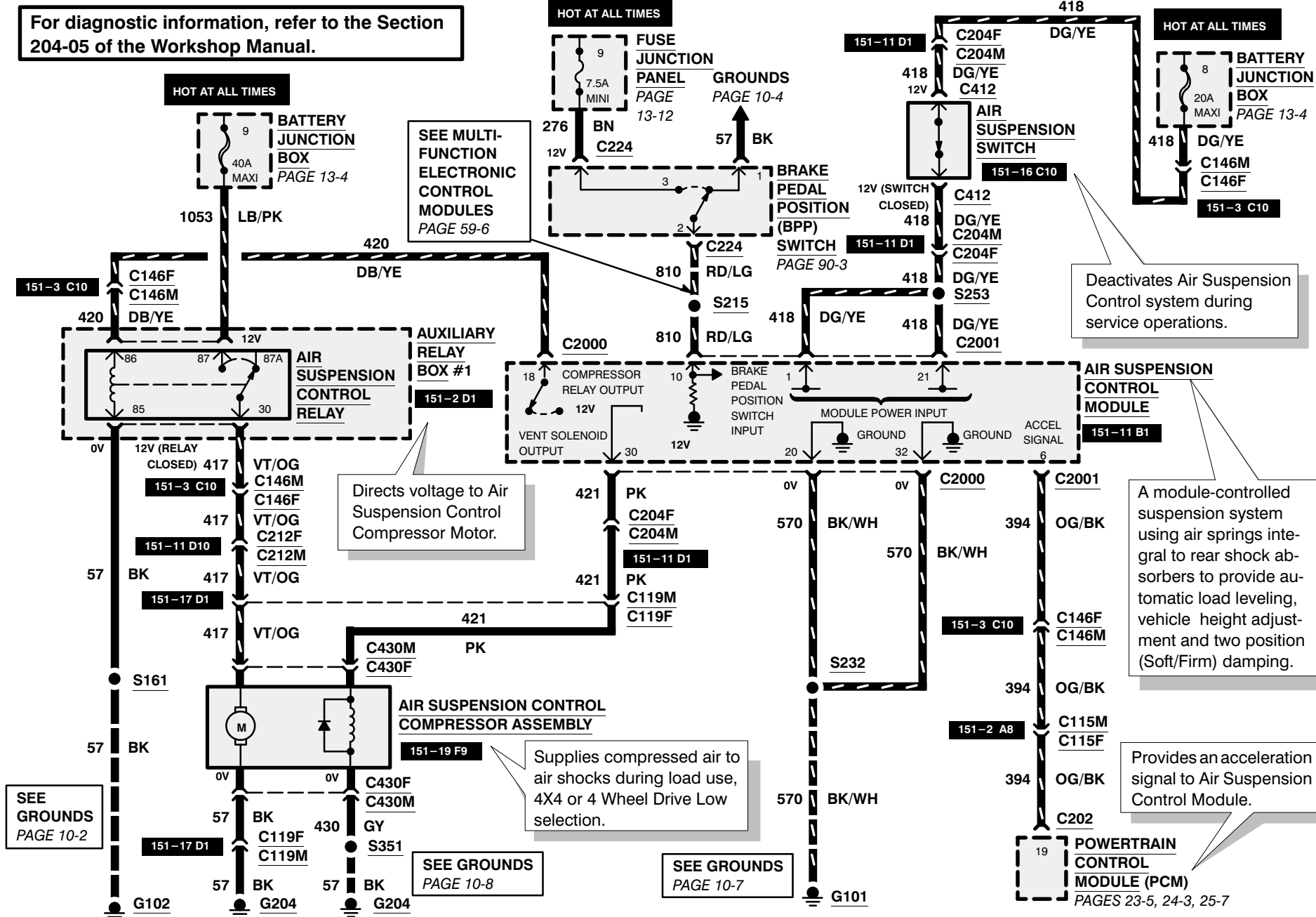
## NOTES 37-2

## 1999 EXPLORER/MOUNTAINEER

1999 EXPLORER/MOUNTAINEER

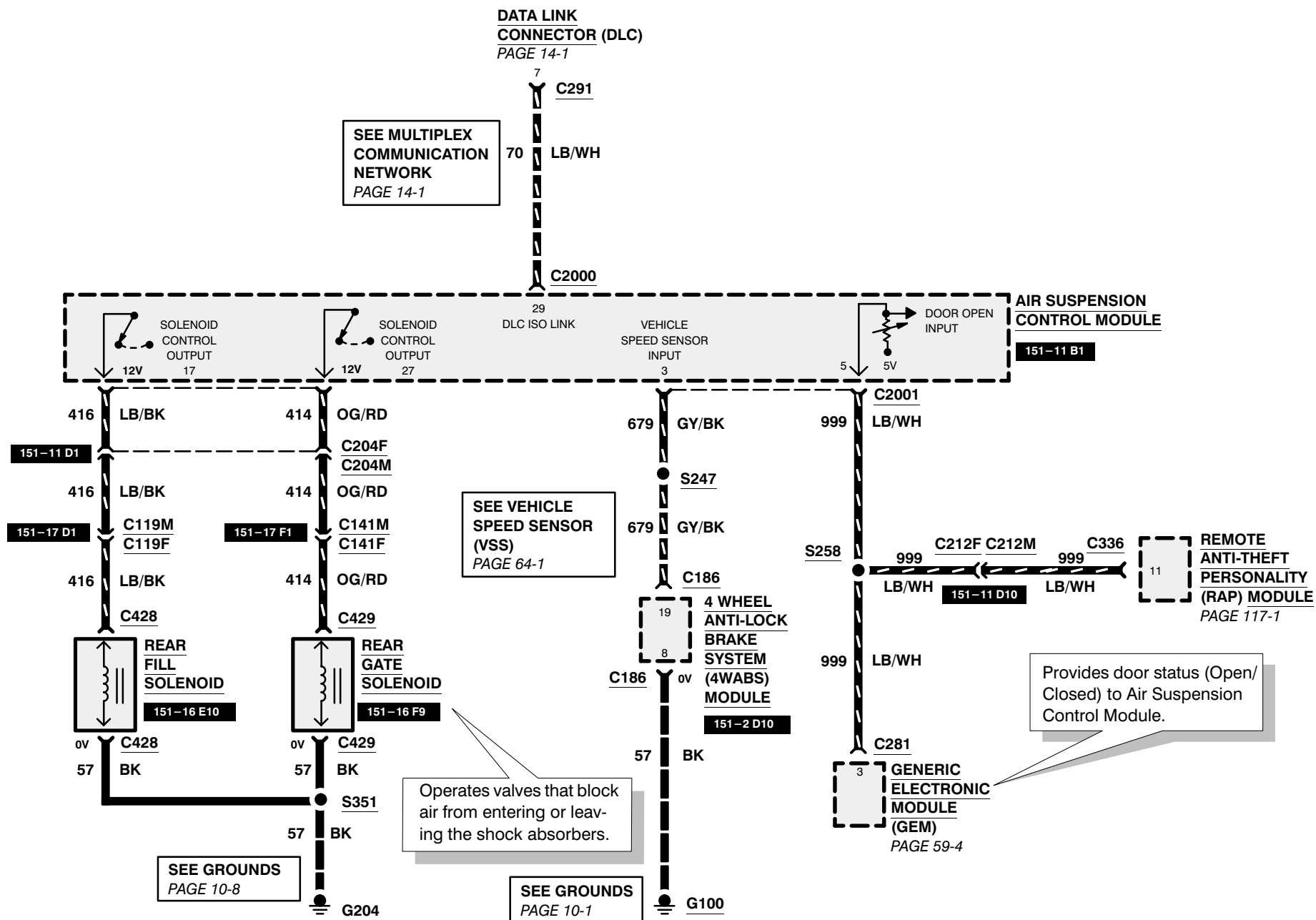
## 1999 EXPLORER/MOUNTAINEER

**For diagnostic information, refer to the Section 204-05 of the Workshop Manual.**



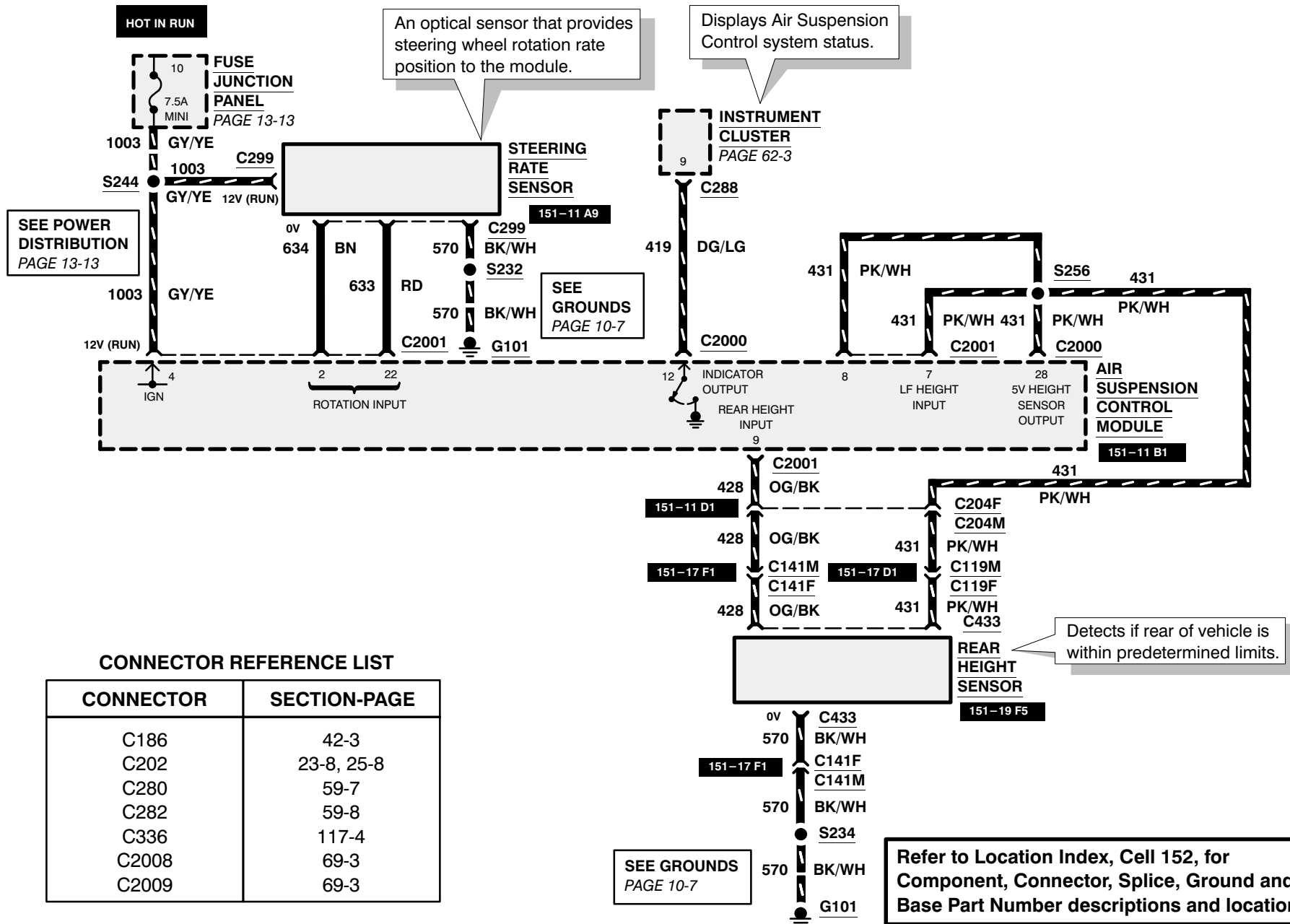
# AIR SUSPENSION CONTROL SYSTEM 41-2

1999 EXPLORER/MOUNTAINEER



# 41-3 AIR SUSPENSION CONTROL SYSTEM

1999 EXPLORER/MOUNTAINEER



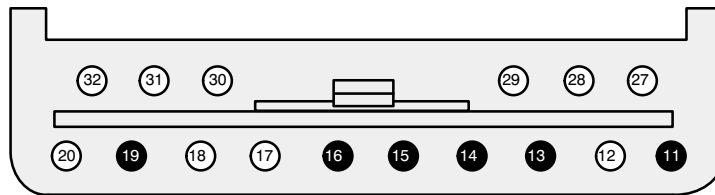
CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C186      | 42-3         |
| C202      | 23-8, 25-8   |
| C280      | 59-7         |
| C282      | 59-8         |
| C336      | 117-4        |
| C2008     | 69-3         |
| C2009     | 69-3         |

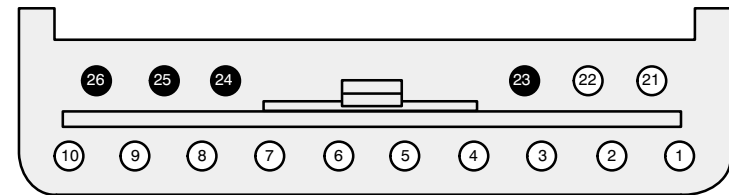
# AIR SUSPENSION CONTROL SYSTEM

41-4

1999 EXPLORER/MOUNTAINEER



**C2000 (GRAY)**  
**AIR SUSPENSION CONTROL MODULE**



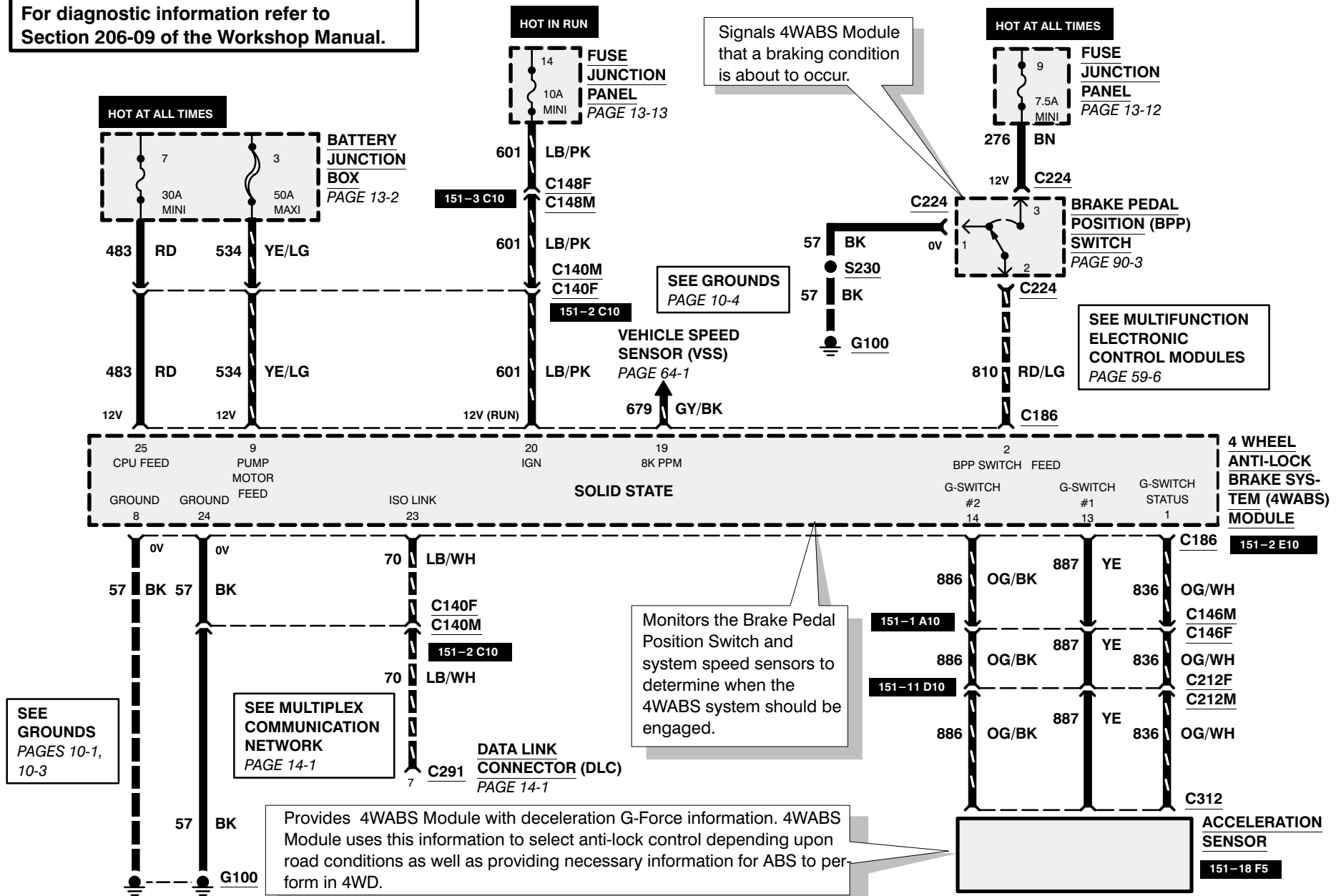
**C2001 (BLACK)**  
**AIR SUSPENSION CONTROL MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                             | PIN | CIRCUIT     | CIRCUIT FUNCTION                           |
|-----|--------------|----------------------------------------------|-----|-------------|--------------------------------------------|
| 1   | 418 (DG/YE)  | Air Suspension Control Off/On Switch         | 16  | —           | NOT USED                                   |
| 2   | 634 (BN)     | Steering Sensor A                            | 17  | 416 (LB/BK) | Rear Fill Solenoid                         |
| 3   | 679 (GY/BK)  | Vehicle Speed Sensor (+)                     | 18  | 420 (DB/YE) | Air Suspension Control Compressor Assembly |
| 4   | 1003 (GY/YE) | Power (Hot in Run)                           | 19  | —           | NOT USED                                   |
| 5   | 999 (LB/WH)  | Door Ajar Input from GEM                     | 20  | 570 (BK/WH) | Ground                                     |
| 6   | 394 (OG/BK)  | Powertrain Control Module (PCM) Accel Signal | 21  | 418 (DG/YE) | Air Suspension Control Off/On Switch       |
| 7   | 431 (BK/WH)  | Height Sensor                                | 22  | 633 (RD)    | Steering Sensor B                          |
| 8   | 431 (BK/WH)  | Height Sensor                                | 23  | —           | NOT USED                                   |
| 9   | 428 (OG/BK)  | Rear Height Sensor                           | 24  | —           | NOT USED                                   |
| 10  | 810 (RD/LG)  | Brake Pedal Position (BPP) Switch Input      | 25  | —           | NOT USED                                   |
| 11  | —            | NOT USED                                     | 26  | —           | NOT USED                                   |
| 12  | 419 (DG/LG)  | Malfunction Warning Signal to Message Center | 27  | 414 (OG/RD) | Rear Gate Solenoid                         |
| 13  | —            | NOT USED                                     | 28  | 431 (PK/WH) | Height Sensor Power                        |
| 14  | —            | NOT USED                                     | 29  | 70 (LB/WH)  | ISO 9141                                   |
| 15  | —            | NOT USED                                     | 30  | 421 (PK)    | Vent Solenoid                              |
|     |              |                                              | 31  | 335 (VT/OG) | 4WD High Signal from GEM                   |
|     |              |                                              | 32  | 570 (BK/WH) | Ground                                     |

# 42-1 ANTI-LOCK BRAKE SYSTEM (ABS)

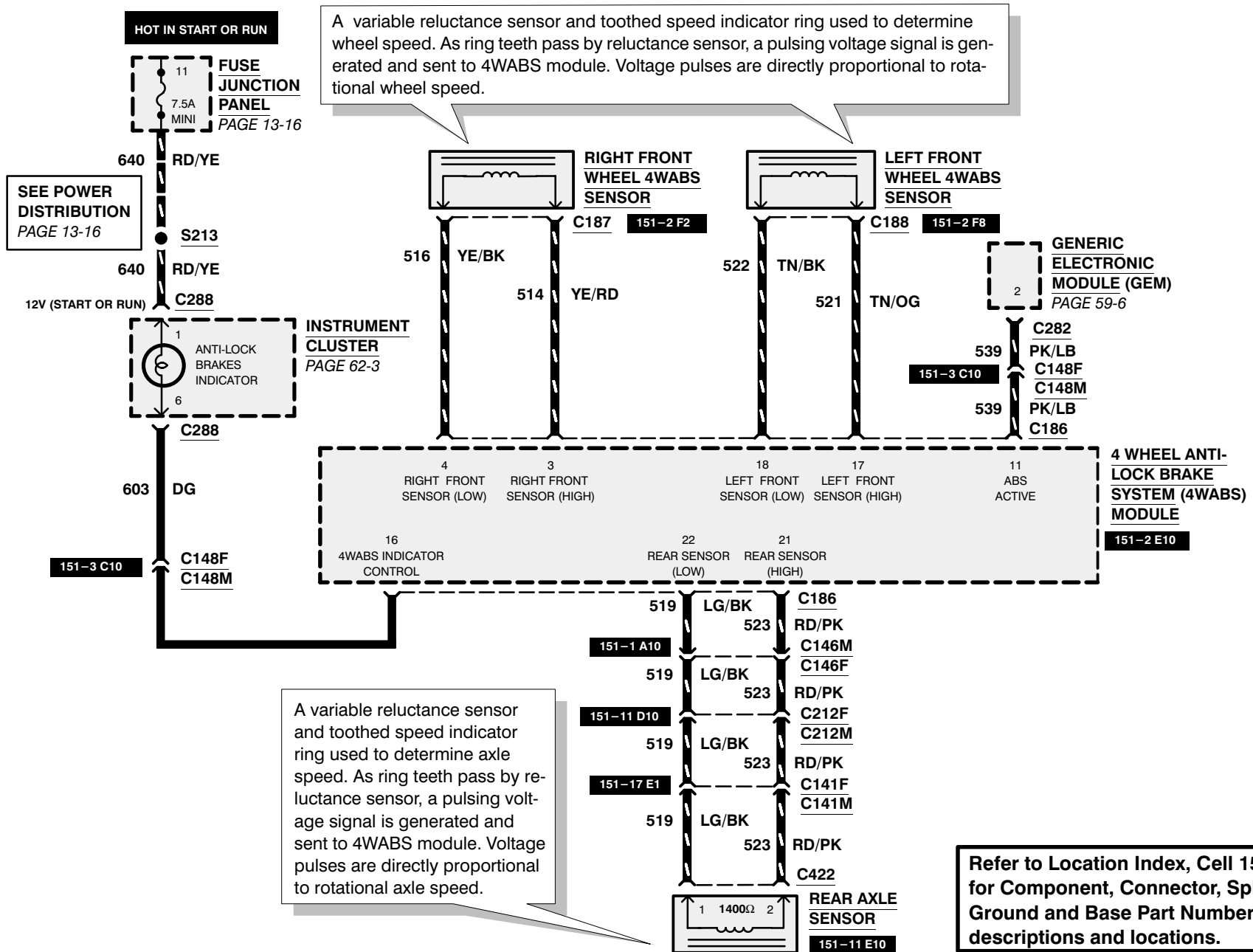
1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to  
Section 206-09 of the Workshop Manual.



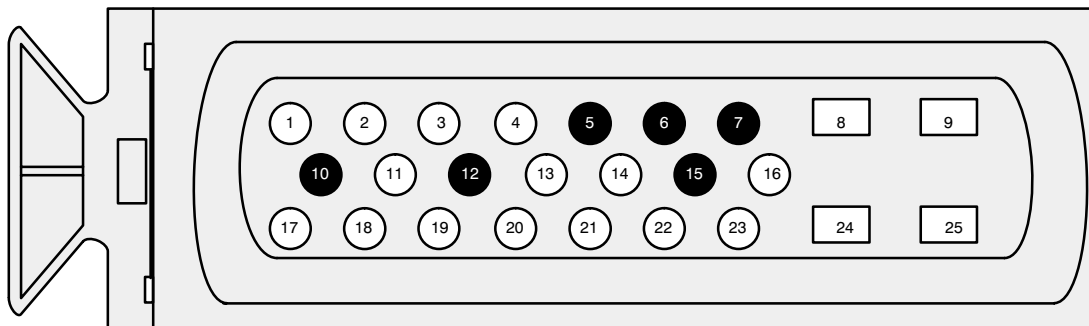
# ANTI-LOCK BRAKE SYSTEM (ABS) 42-2

1999 EXPLORER/MOUNTAINEER



# 42-3 ANTI-LOCK BRAKE SYSTEM (ABS)

1999 EXPLORER/MOUNTAINEER



**C186**

**4 WHEEL ANTI-LOCK BRAKE SYSTEM (4WABS) MODULE**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                 | PIN | CIRCUIT     | CIRCUIT FUNCTION                    |
|-----|-------------|--------------------------------------------------|-----|-------------|-------------------------------------|
| 1   | 836 (OG/WH) | ABS Acceleration Switch Test Signal              | 14  | 886 (OG/BK) | ABS Acceleration Switch Signal #1   |
| 2   | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Input          | 15  | —           | NOT USED                            |
| 3   | 514 (YE/RD) | Right Front Sensor, (High) to Module             | 16  | 603 (DG)    | Failure Warning Light               |
| 4   | 516 (YE/BK) | Right Front Sensor, (Low) to Module              | 17  | 521 (TN/OG) | Left Front Sensor, (High) to Module |
| 5   | —           | NOT USED                                         | 18  | 522 (TN/BK) | Left Front Sensor, (Low) to Module  |
| 6   | —           | NOT USED                                         | 19  | 679 (GY/BK) | Vehicle Speed Signal (+) Output     |
| 7   | —           | NOT USED                                         | 20  | 601 (LB/PK) | ABS Control Module Feed             |
| 8   | 57 (BK)     | Ground                                           | 21  | 523 (RD/PK) | Rear Sensor (High) to Module        |
| 9   | 534 (YE/LG) | ABS Pump Motor Feed                              | 22  | 519 (LG/BK) | Rear Sensor (Low) to Module         |
| 10  | —           | NOT USED                                         | 23  | 70 (LB/WH)  | ISO 9141                            |
| 11  | 539 (PK/LB) | ABS Active                                       | 24  | 57 (BK)     | Ground                              |
| 12  | —           | NOT USED                                         | 25  | 483 (RD)    | Power (Hot at All Times)            |
| 13  | 887 (YE)    | Indicator Lamp ABS Acceleration Switch Signal #2 |     |             |                                     |

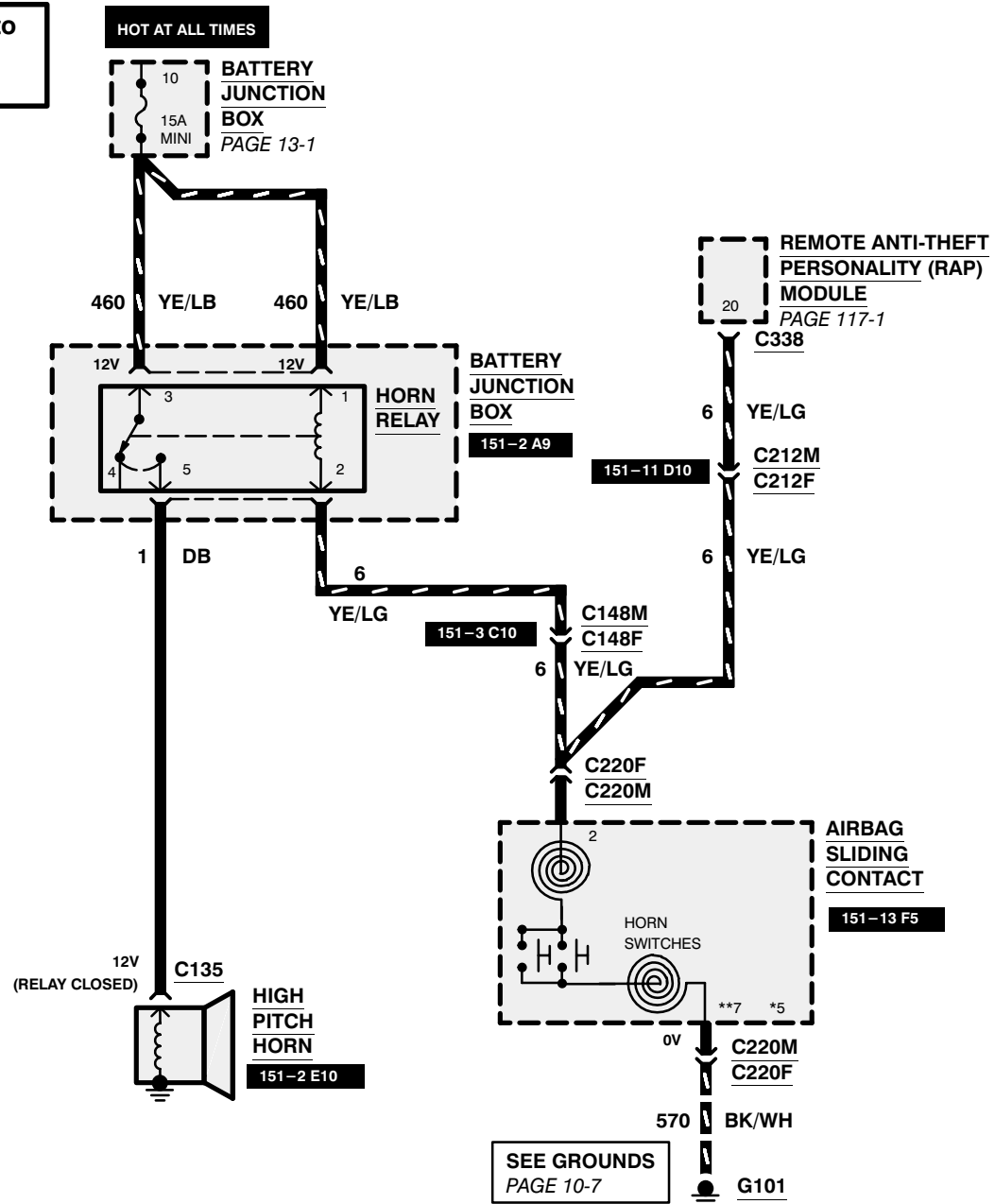
**NOTES 42-4**

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 44-1 HORN/CIGAR LIGHTER

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 413-06 of the Workshop Manual.



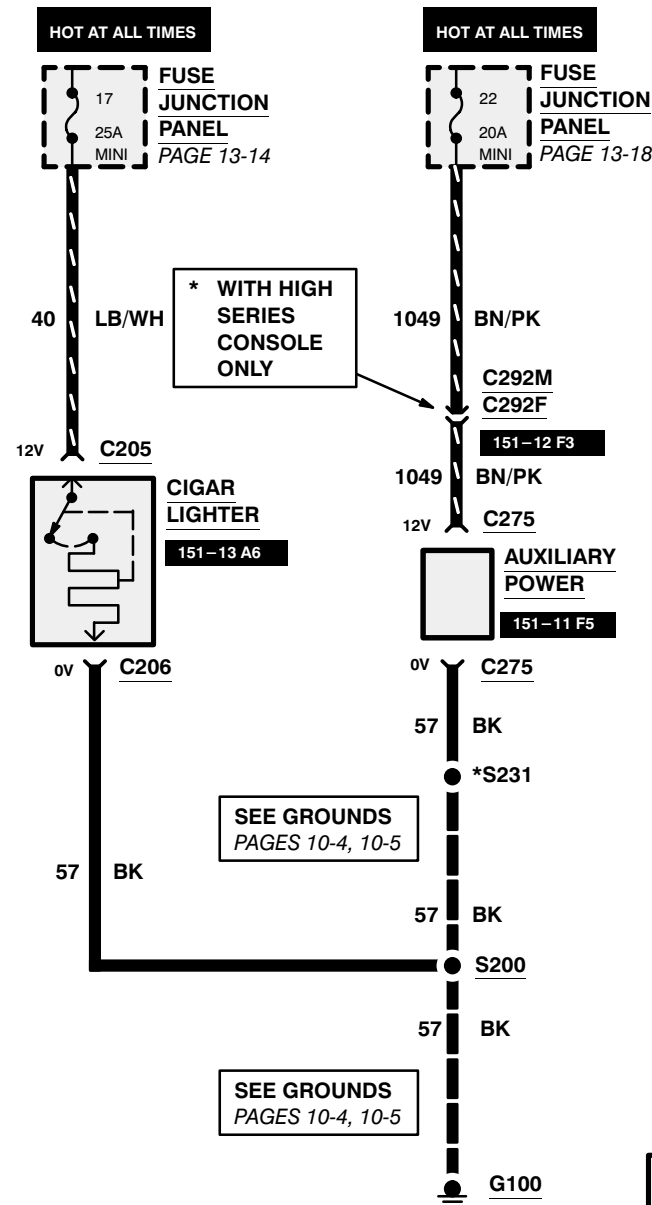
\* WITHOUT AUXILIARY CONTROLS  
\*\* WITH AUXILIARY CONTROLS

# HORN/CIGAR LIGHTER 44-2

1999 EXPLORER/MOUNTAINEER

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C220      | 31-3         |
| C338      | 117-4        |



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

# 46-1 AIR BAGS

1999 EXPLORER/MOUNTAINEER

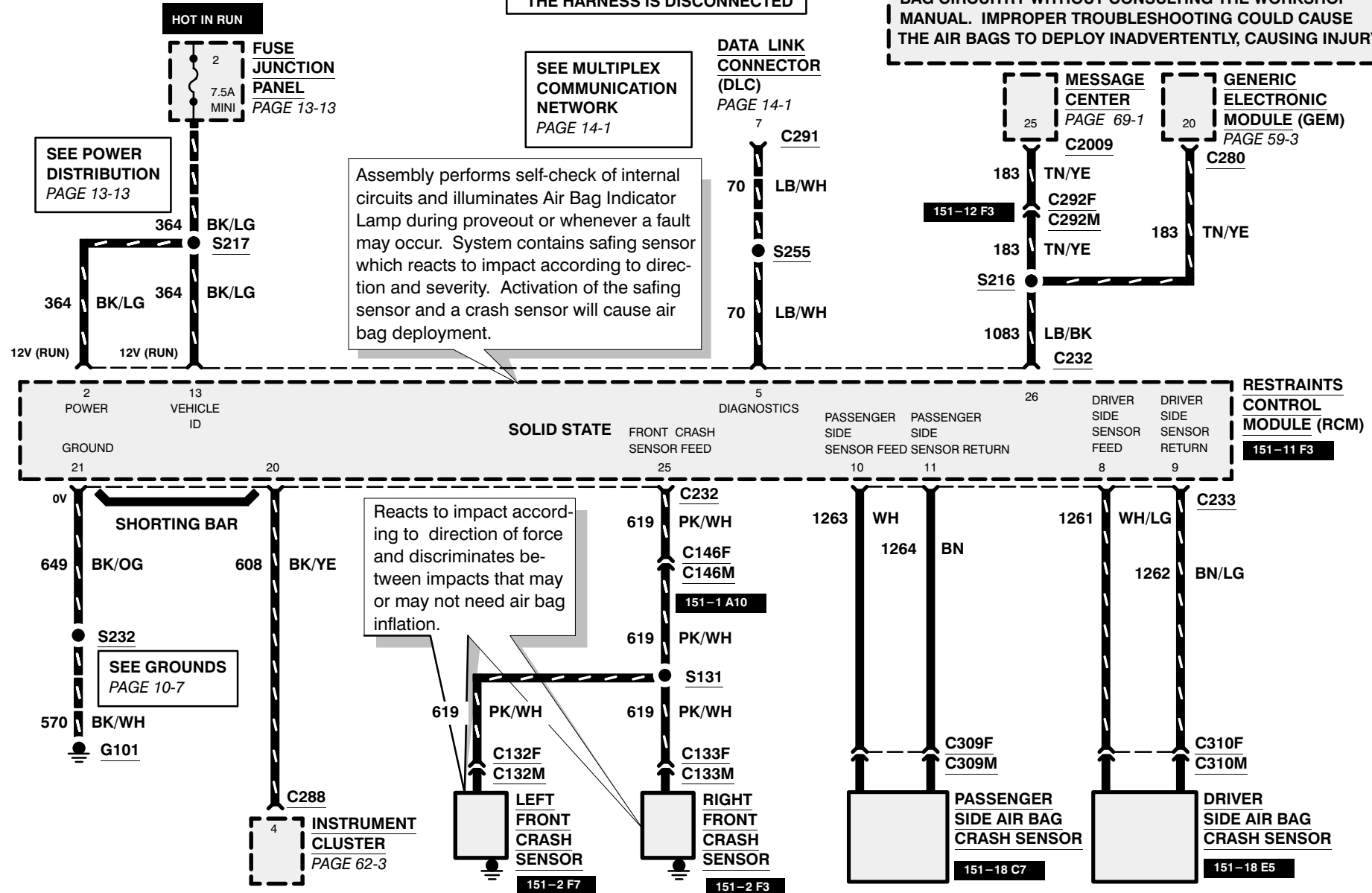
For diagnostic information, refer to  
Section 501-20B of the Workshop Manual.

\*SHORTING BARS CONNECT  
HARNESS TERMINALS WHEN  
THE HARNESS IS DISCONNECTED

SEE MULTIPLEX  
COMMUNICATION  
NETWORK  
PAGE 14-1

DATA LINK  
CONNECTOR  
(DLC)  
PAGE 14-1

**WARNING**  
DO NOT ATTEMPT TO DIAGNOSE OR TROUBLESHOOT AIR  
BAG CIRCUITRY WITHOUT CONSULTING THE WORKSHOP  
MANUAL. IMPROPER TROUBLESHOOTING COULD CAUSE  
THE AIR BAGS TO DEPLOY INADVERTENTLY, CAUSING INJURY.

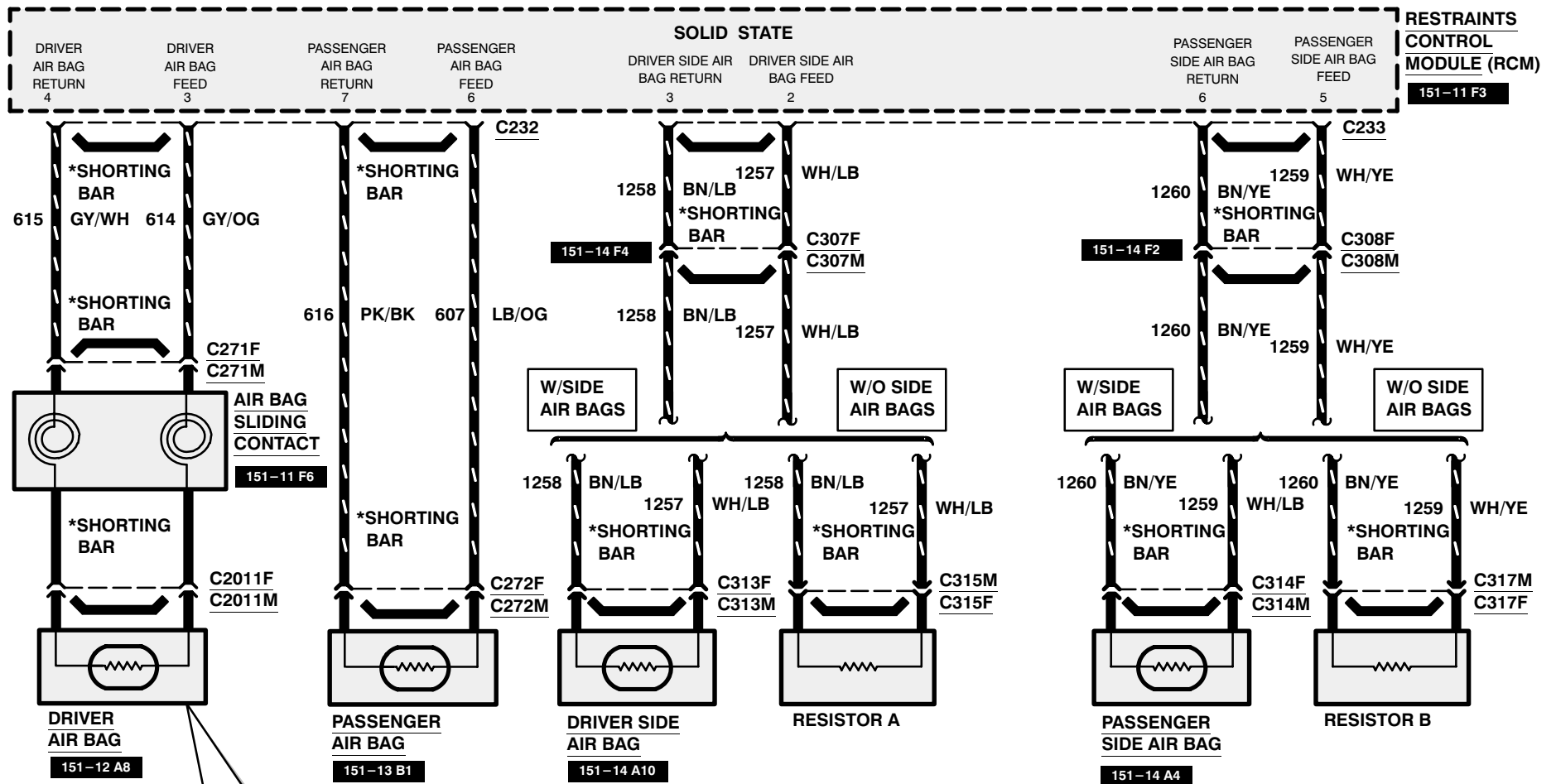


# AIR BAGS 46-2

1999 EXPLORER/MOUNTAINEER

**\*SHORTING BARS CONNECT HARNESS TERMINALS WHEN THE HARNESS IS DISCONNECTED**

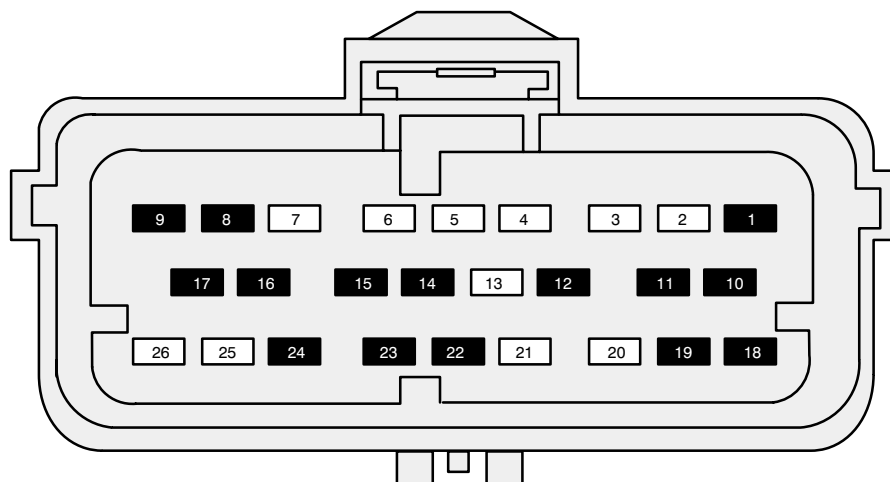
**WARNING**  
DO NOT ATTEMPT TO DIAGNOSE OR TROUBLE-SHOOT AIR BAG CIRCUITRY WITHOUT CONSULTING THE WORKSHOP MANUAL. IMPROPER TROUBLE-SHOOTING COULD CAUSE THE AIR BAGS TO DEPLOY INADVERTENTLY, CAUSING INJURY.



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

# 46-3 AIR BAGS

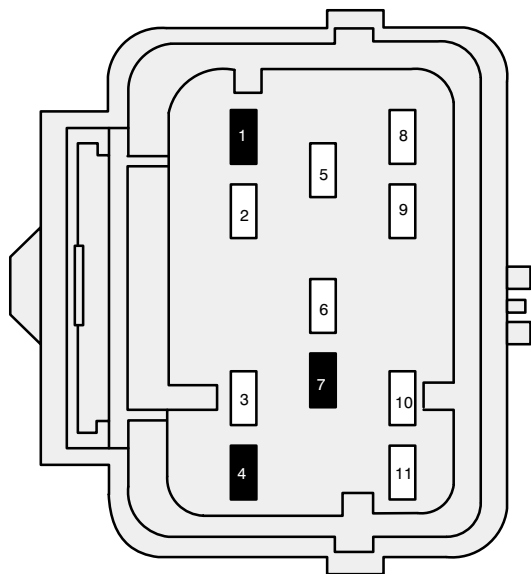
1999 EXPLORER/MOUNTAINEER



**C232**

**RESTRAINTS CONTROL MODULE (RCM)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION         | PIN | CIRCUIT      | CIRCUIT FUNCTION        |
|-----|-------------|--------------------------|-----|--------------|-------------------------|
| 1   | —           | NOT USED                 | 14  | —            | NOT USED                |
| 2   | 364 (BK/LG) | Power (Hot in Run)       | 15  | —            | NOT USED                |
| 3   | 614 (GY/OG) | Driver Air Bag Feed      | 16  | —            | NOT USED                |
| 4   | 615 (GY/WH) | Driver Air Bag Return    | 17  | —            | NOT USED                |
| 5   | 70 (LB/WH)  | ISO 9141                 | 18  | —            | NOT USED                |
| 6   | 607 (LB/OG) | Passenger Air Bag Feed   | 19  | —            | NOT USED                |
| 7   | 616 (PK/BK) | Passenger Air Bag Return | 20  | 608 (BK/YE)  | Air Bag Indicator       |
| 8   | —           | NOT USED                 | 21  | 649 (BK/OG)  | Ground                  |
| 9   | —           | NOT USED                 | 22  | —            | NOT USED                |
| 10  | —           | NOT USED                 | 23  | —            | NOT USED                |
| 11  | —           | NOT USED                 | 24  | —            | NOT USED                |
| 12  | —           | NOT USED                 | 25  | 619 (PK/WH)  | Front Crash Sensor Feed |
| 13  | 364 (BK/LG) | Vehicle ID (Hot in Run)  | 26  | 1083 (LB/BK) | Tone Generator          |



**C233**  
**RESTRAINTS CONTROL MODULE (RCM)**

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C288      | 62-8         |
| C291      | 14-2         |
| C2009     | 69-3         |

| PIN | CIRCUIT      | CIRCUIT FUNCTION              |
|-----|--------------|-------------------------------|
| 1   | —            | NOT USED                      |
| 2   | 1257 (WH/LB) | Driver Side Air Bag Feed      |
| 3   | 1258 (BU/LB) | Driver Side Air Bag Return    |
| 4   | —            | NOT USED                      |
| 5   | 1259 (WH/YE) | Passenger Side Air Bag Feed   |
| 6   | 1260 (BN/YE) | Passenger Side Air Bag Return |
| 7   | —            | NOT USED                      |
| 8   | 1261 (WH/LG) | Driver Side Sensor Feed       |
| 9   | 1262 (BN/LG) | Driver Side Sensor Return     |
| 10  | 1263 (WH)    | Passenger Side Sensor Feed    |
| 11  | 1264 (BN)    | Passenger Side Sensor Return  |

**1999 EXPLORER/MOUNTAINEER**

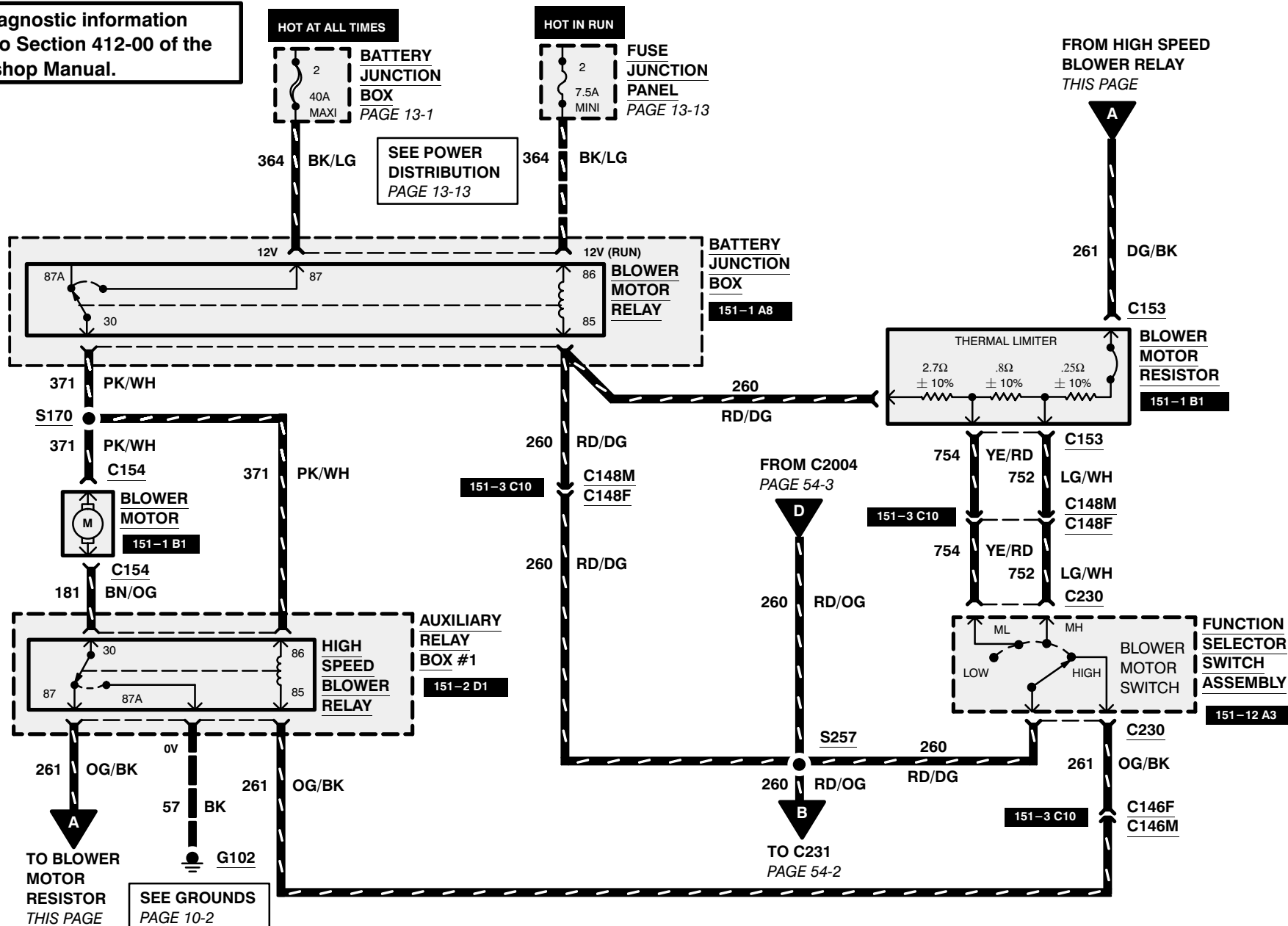
**HOT AT ALL TIMES**

**SEE POWER  
DISTRIBUTION  
PAGE 13-13**

## HOT IN RUN

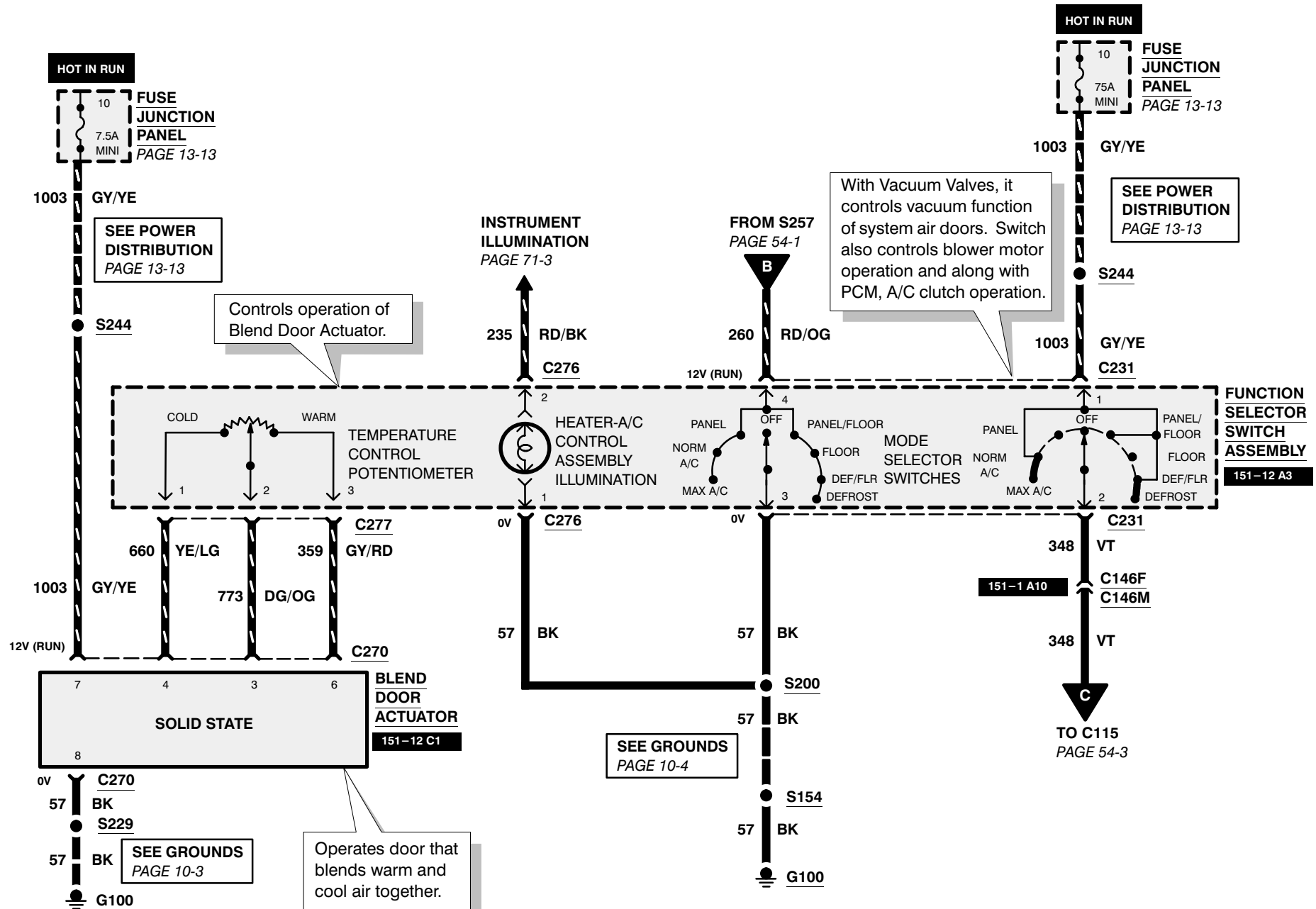
**FUSE**  
**JUNCTION**  
**PANEL**  
*PAGE 13-13*

**FROM HIGH SPEED  
BLOWER RELAY  
THIS PAGE**



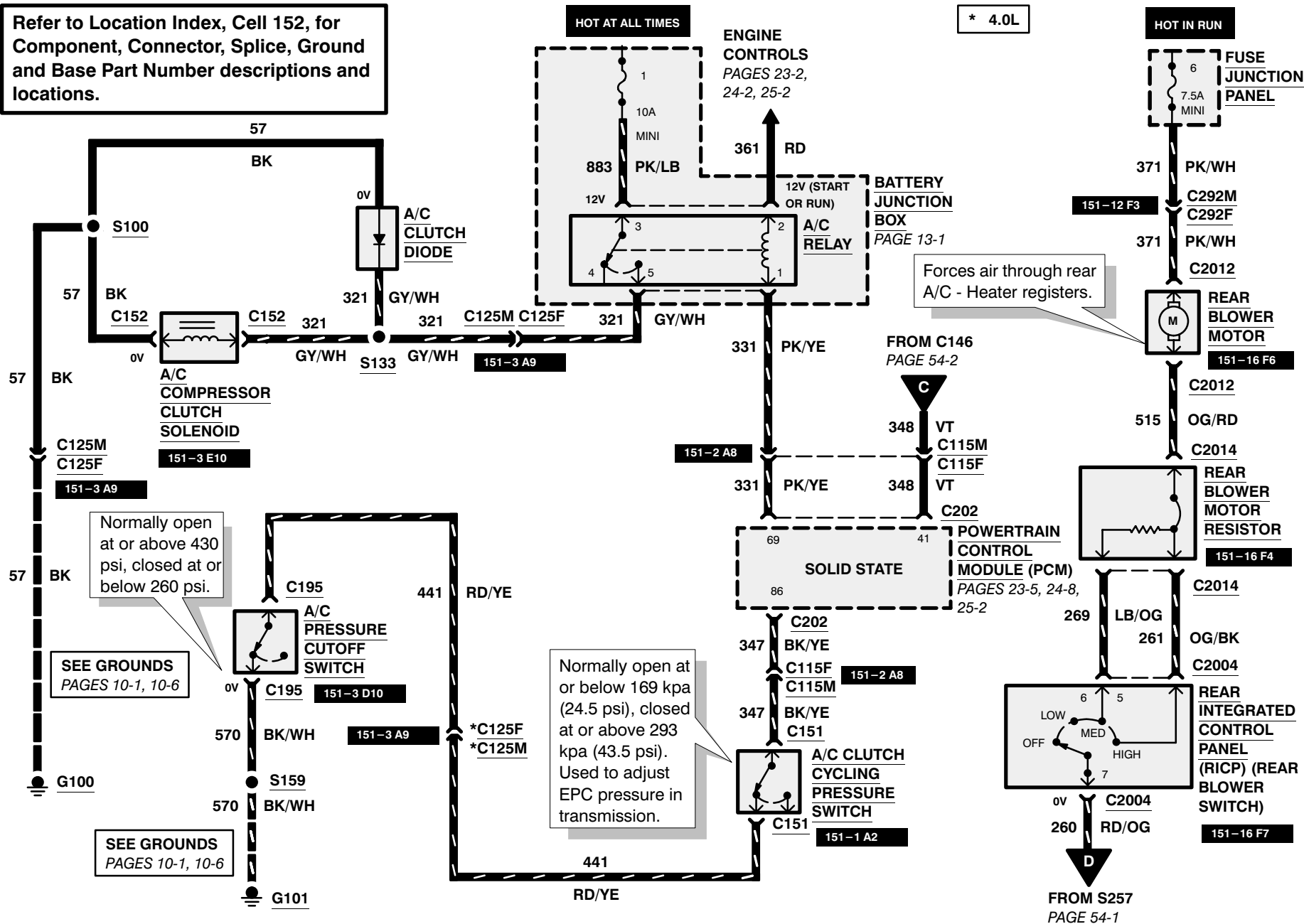
# AIR CONDITIONER/HEATER 54-2

1999 EXPLORER/MOUNTAINEER



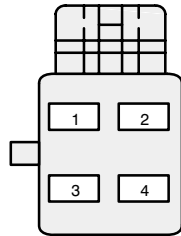
## 1999 EXPLORER/MOUNTAINEER

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



# AIR CONDITIONER/HEATER 54-4

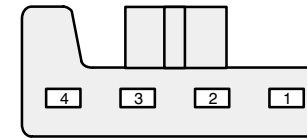
1999 EXPLORER/MOUNTAINEER



**C230 (GRAY)**

**FUNCTION SELECTOR SWITCH ASSEMBLY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                |
|-----|-------------|---------------------------------|
| 1   | 261 (OG/BK) | Blower Motor Switch—High        |
| 2   | 260 (RD/OG) | Blower Motor Switch Feed        |
| 3   | 754 (LG/WH) | Blower Motor Switch Medium/High |
| 4   | 752 (YE/RD) | Blower Motor Switch Medium/Low  |



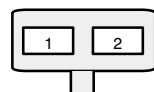
**C231 (WHITE)**

**FUNCTION SELECTOR SWITCH ASSEMBLY**

| PIN | CIRCUIT      | CIRCUIT FUNCTION           |
|-----|--------------|----------------------------|
| 1   | 1003 (GY/YE) | Power (Hot in Run)         |
| 2   | 348 (VT)     | A/C Signal Input           |
| 3   | 57 (BK)      | Ground                     |
| 4   | 260 (RD/OG)  | Blower Motor Switch Output |

# 54-5 AIR CONDITIONER/HEATER

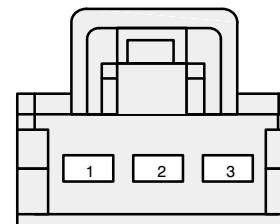
1999 EXPLORER/MOUNTAINEER



C276 (BLACK)

FUNCTION SELECTOR SWITCH ASSEMBLY

| PIN | CIRCUIT     | CIRCUIT FUNCTION    |
|-----|-------------|---------------------|
| 1   | 57 (BK)     | Ground              |
| 2   | 235 (RD/BK) | Switch Illumination |



C277

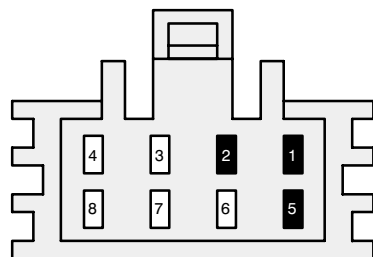
FUNCTION SELECTOR SWITCH ASSEMBLY

| PIN | CIRCUIT     | CIRCUIT FUNCTION                          |
|-----|-------------|-------------------------------------------|
| 1   | 660 (YE/LG) | Output Cold to Blend Door Actuator        |
| 2   | 773 (DG/OG) | Tempurate Selector to Blend Door Actuator |
| 3   | 359 (GY/RD) | Output Warm to Blend Door Actuator        |

# AIR CONDITIONER/HEATER 54-6

1999 EXPLORER/MOUNTAINEER

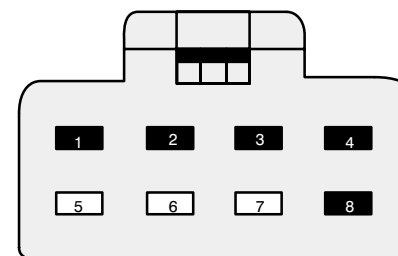
## W/O EATC



**C270 (BLACK)**  
**BLEND DOOR ACTUATOR**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                         |
|-----|--------------|------------------------------------------|
| 1   | —            | NOT USED                                 |
| 2   | —            | NOT USED                                 |
| 3   | 773 (DG/OG)  | A/C Electric Door Actuator Motor Control |
| 4   | 660 (YE/LG)  | A/C Electric Door Actuator Motor Control |
| 5   | —            | NOT USED                                 |
| 6   | 359 (GY/RD)  | A/C Electric Door Actuator Motor Control |
| 7   | 1003 (GY/YE) | Power (Hot in Run)                       |
| 8   | 57 (BK)      | Ground                                   |

## REAR BLOWER SWITCH W/O EATC



**C2004**  
**REAR INTEGRATED CONTROL PANEL (RICP)**

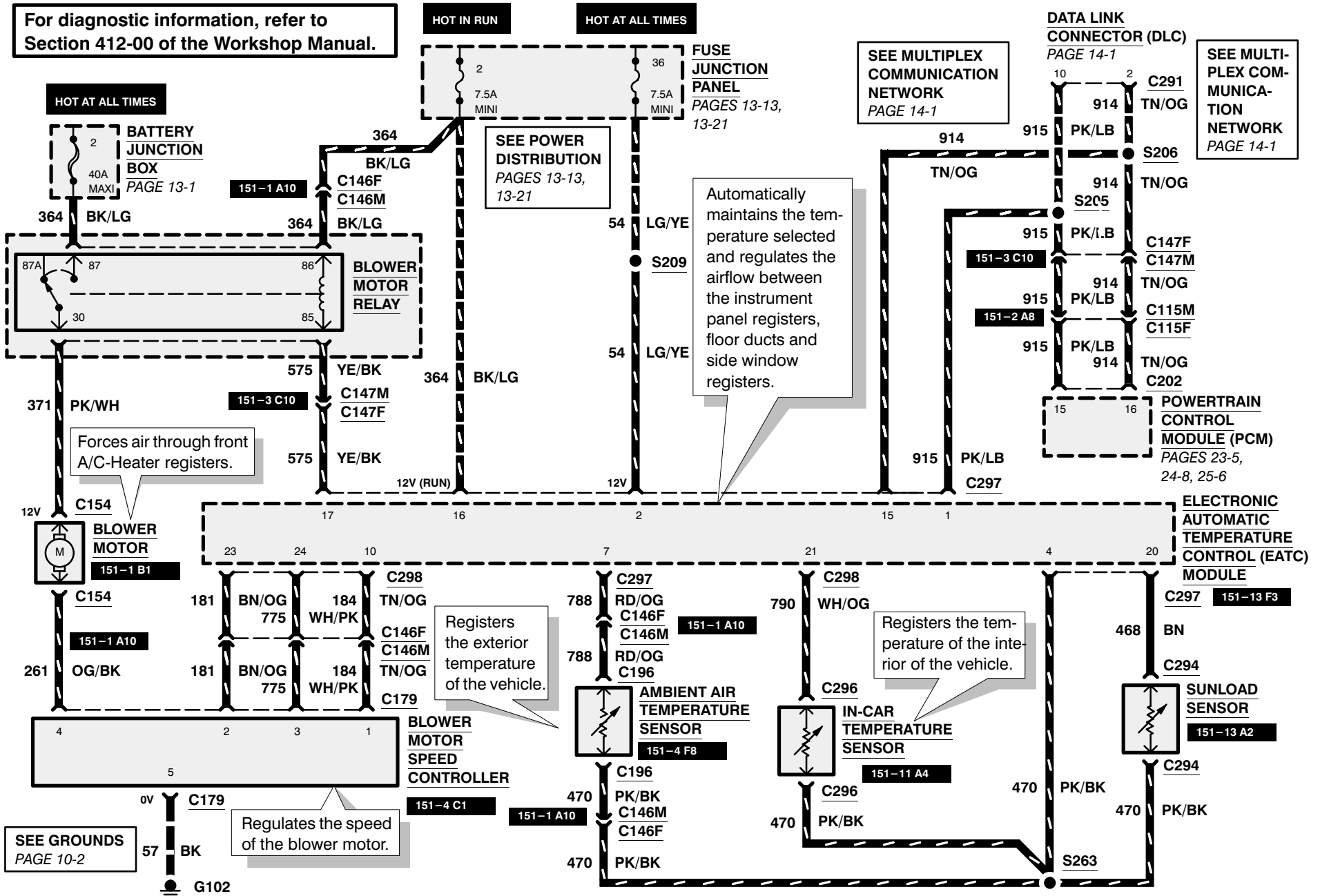
| PIN | CIRCUIT     | CIRCUIT FUNCTION                 |
|-----|-------------|----------------------------------|
| 1   | —           | NOT USED                         |
| 2   | —           | NOT USED                         |
| 3   | —           | NOT USED                         |
| 4   | —           | NOT USED                         |
| 5   | 261 (OG/BK) | Rear Blower Motor Speed (HIGH)   |
| 6   | 269 (LB/OG) | Rear Blower Motor Speed (MEDIUM) |
| 7   | 260 (RD/OG) | Rear Blower Motor Speed (LOW)    |
| 8   | —           | NOT USED                         |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C202      | 25-8         |

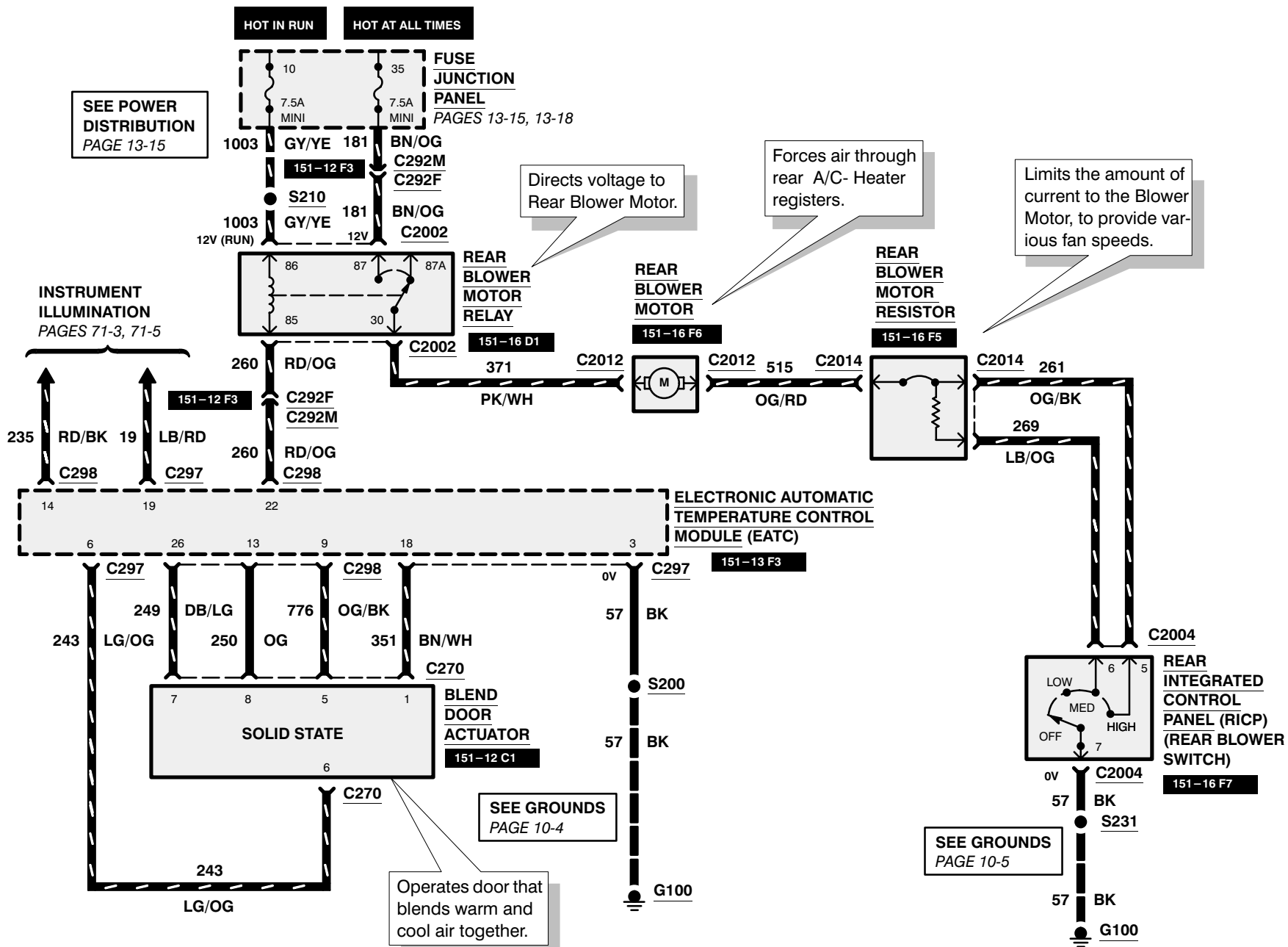
# 55-1 ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC)

1999 EXPLORER/MOUNTAINEER

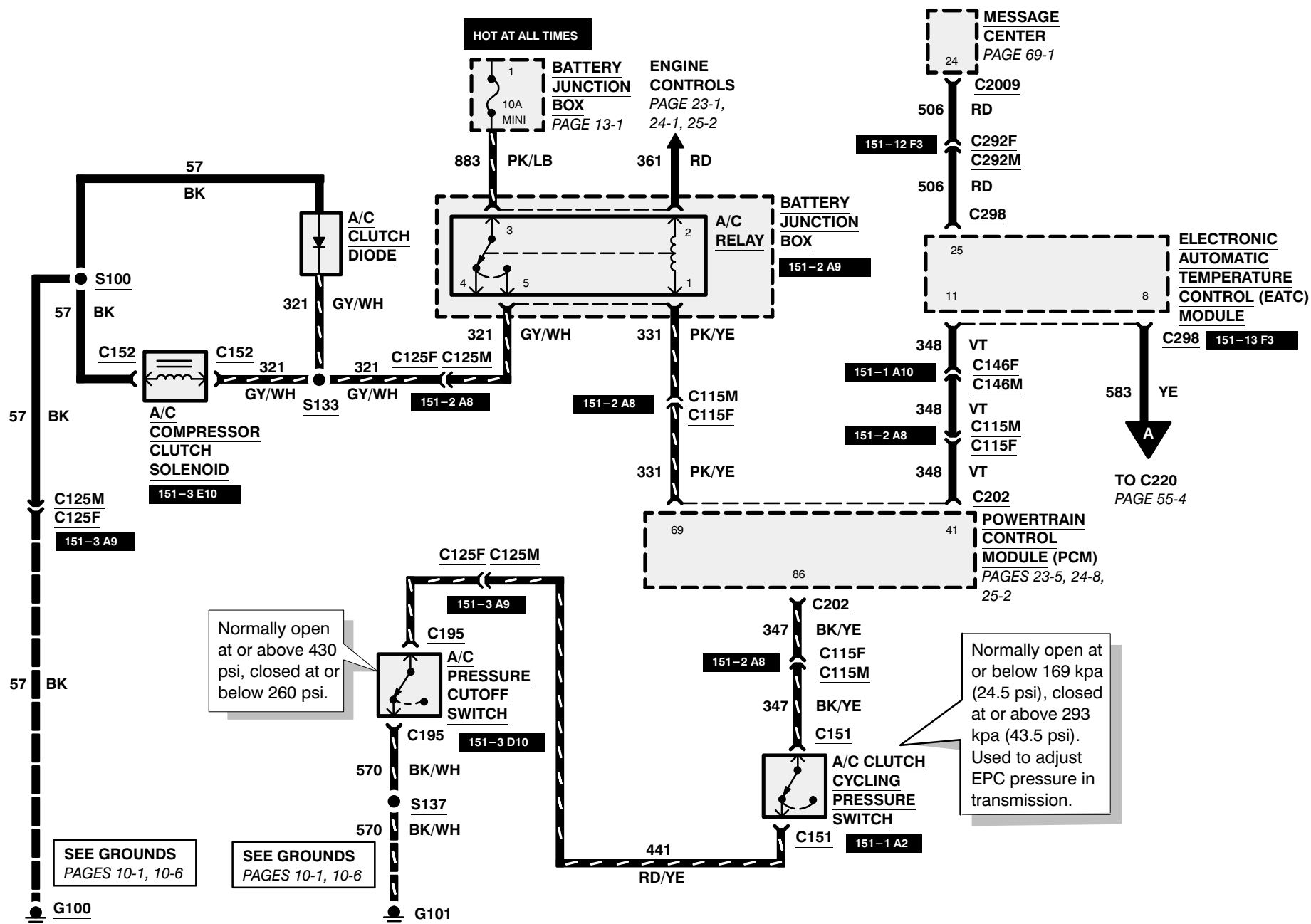


**55-2**

## 1999 EXPLORER/MOUNTAINEER

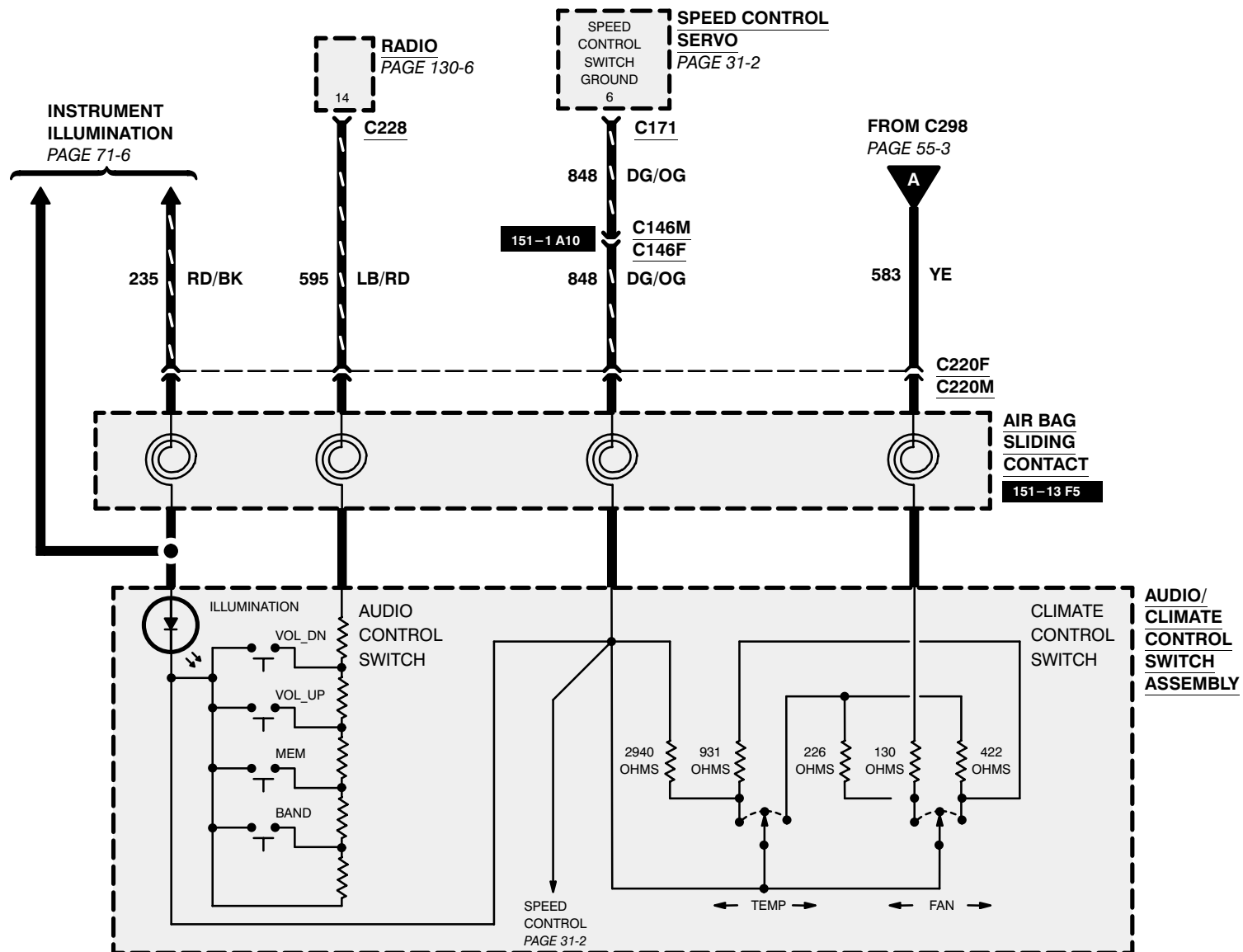


## 1999 EXPLORER/MOUNTAINEER



# ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC) 55-4

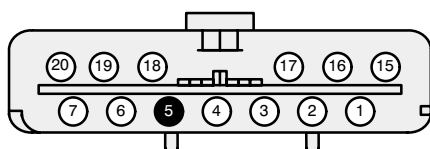
1999 EXPLORER/MOUNTAINEER



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

# 55-5 ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC)

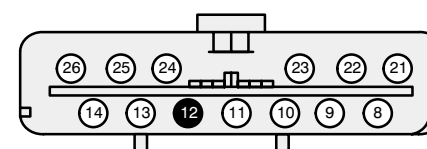
1999 EXPLORER/MOUNTAINEER



**C297 (BLACK)**

**ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC) MODULE**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                         |
|-----|-------------|------------------------------------------|
| 1   | 915 (PK/LB) | SCP Data Bus (-)                         |
| 2   | 54 (LG/YE)  | Power (Hot at All Times)                 |
| 3   | 57 (BK)     | Ground                                   |
| 4   | 470 (PK/BK) | Ambient, Sunload & In-Car (Input GND)    |
| 5   | -           | NOT USED                                 |
| 6   | 243 (LG/OG) | Blend Door Actuator +5V                  |
| 7   | 788 (RD/OG) | Ambient Air Temperature Sensor Input     |
| 15  | 914 (TN/OG) | SCP Data Bus (+)                         |
| 16  | 364 (BK/LG) | Power (Hot in Run)                       |
| 17  | 575 (YE/BK) | Blower Motor Relay To ATC Control Ground |
| 18  | 351 (BN/WH) | Blend Door Position Feedback             |
| 19  | 19 (LB/RD)  | Instrument Illumination                  |
| 20  | 468 (BN)    | Sunload Sensor Input                     |

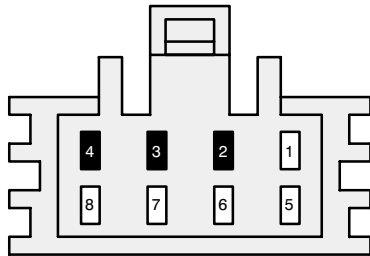


**C298 (WHITE)**

**ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC) MODULE**

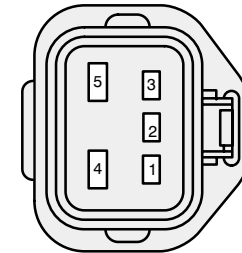
| PIN | CIRCUIT     | CIRCUIT FUNCTION                       |
|-----|-------------|----------------------------------------|
| 8   | 583 (YE)    | EATC To Air Bag Sliding Contact        |
| 9   | 776 (OG/BK) | Blend Door Actuator Ground             |
| 10  | 184 (TN/OG) | Blower Motor Speed Controller Feedback |
| 11  | 348 (VT)    | A/C Demand Signal To PCM               |
| 12  | -           | NOT USED                               |
| 13  | 250 (OG)    | Blend Door Actuator Motor Drive 1-CCW  |
| 14  | 235 (RD/BK) | Lamp Illumination                      |
| 21  | 790 (WH/OG) | In-Car Temperature Sensor Input        |
| 22  | 260 (RD/OG) | Rear Blower Relay Ground               |
| 23  | 181 (BN/OG) | Speed Controller Output                |
| 24  | 775 (WH/PK) | Blower Motor Relay Output              |
| 25  | 506 (RD)    | English/Metric Input                   |
| 26  | 249 (DB/LG) | Blend Door Actuator Motor Drive 2-CW   |

W/EATC



**C270 (BLACK)**  
**BLEND DOOR ACTUATOR**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                |
|-----|-------------|---------------------------------|
| 1   | 351 (BN/WH) | Blend Door Potentiometer-Wiper  |
| 2   | —           | NOT USED                        |
| 3   | —           | NOT USED                        |
| 4   | —           | NOT USED                        |
| 5   | 776 (OG/BK) | Blend Door Potentiometer Ground |
| 6   | 243 (LG/OG) | Blend Door Potentiometer +5V    |
| 7   | 249 (DB/LG) | Blend Door Drive 2-CW           |
| 8   | 250 (OG)    | Blend Door Drive 1-CCW          |

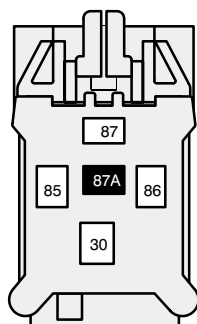


**C179 (BLACK)**  
**BLOWER MOTOR SPEED CONTROLLER**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                |
|-----|-------------|-------------------------------------------------|
| 1   | 184 (TN/OG) | Blower Motor Speed Controller Feedback          |
| 2   | 181 (BN/OG) | Blower Motor Speed Controller Output            |
| 3   | 775 (WH/PK) | Blower Motor Speed Controller High Blower Relay |
| 4   | 261 (OG/BK) | Motor Input                                     |
| 5   | 57 (BK)     | Ground                                          |

# 55-7 ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC)

1999 EXPLORER/MOUNTAINEER



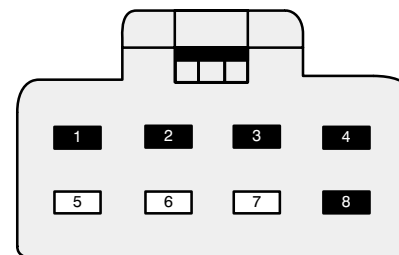
**C2002 (BLACK)**  
**REAR BLOWER MOTOR RELAY**

| PIN | CIRCUIT      | CIRCUIT FUNCTION         |
|-----|--------------|--------------------------|
| 30  | 371 (PK/WH)  | Rear Blower Motor Feed   |
| 86  | 1003 (GY/YE) | Power (Hot in Run)       |
| 85  | 260 (RD/OG)  | Relay Feed to Module     |
| 87  | 181 (BN/OG)  | Power (Hot at All Times) |
| 87A | —            | NOT USED                 |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C202      | 24-9, 25-8   |
| C2009     | 69-3         |

## REAR BLOWER SWITCH W/EATC



**C2004**  
**REAR INTEGRATED CONTROL PANEL (RICP)**

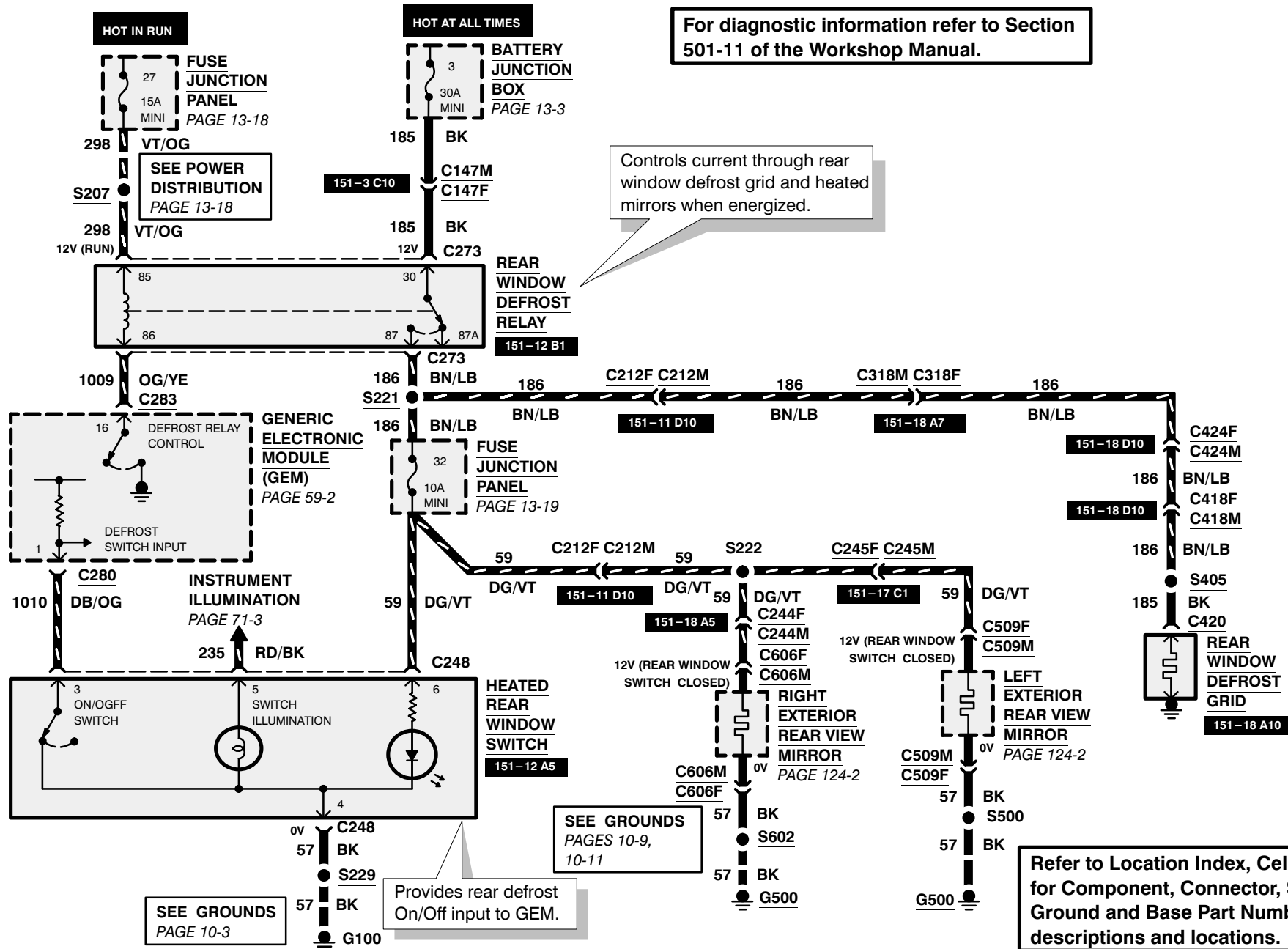
| PIN | CIRCUIT     | CIRCUIT FUNCTION                 |
|-----|-------------|----------------------------------|
| 1   | —           | NOT USED                         |
| 2   | —           | NOT USED                         |
| 3   | —           | NOT USED                         |
| 4   | —           | NOT USED                         |
| 5   | 261 (OG/BK) | Rear Blower Motor Speed (HIGH)   |
| 6   | 269 (LB/OG) | Rear Blower Motor Speed (MEDIUM) |
| 7   | 57 (BK)     | Ground                           |
| 8   | —           | NOT USED                         |

**NOTES 55-8**

**1999 EXPLORER/MOUNTAINEER**[illegible]

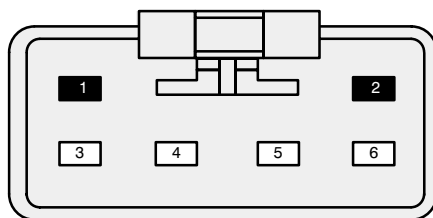
# 56-1 REAR WINDOW DEFROST/MIRROR DEFROST

1999 EXPLORER/MOUNTAINEER



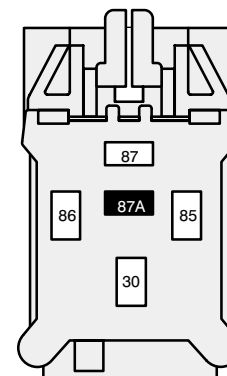
# REAR WINDOW DEFROST/MIRROR DEFROST 56-2

1999 EXPLORER/MOUNTAINEER



**C248**  
**HEATED REAR WINDOW SWITCH**

| PIN | CIRCUIT      | CIRCUIT FUNCTION               |
|-----|--------------|--------------------------------|
| 1   | —            | NOT USED                       |
| 2   | —            | NOT USED                       |
| 3   | 1010 (DB/OG) | Generic Electronic Module Feed |
| 4   | 57 (BK)      | Ground                         |
| 5   | 235 (RD/BK)  | Switch Illumination Feed       |
| 6   | 59 (DG/VT)   | Switch Power                   |



**C273**  
**REAR WINDOW DEFROST RELAY**

| PIN | CIRCUIT      | CIRCUIT FUNCTION           |
|-----|--------------|----------------------------|
| 87  | 186 (BN/LB)  | Relay Output               |
| 85  | 1009 (OG/YE) | Relay to GEM               |
| 87A | —            | NOT USED                   |
| 86  | 298 (VT/OG)  | Ignition (Hot in Run)      |
| 30  | 185 (BK)     | Battery (Hot at all Times) |

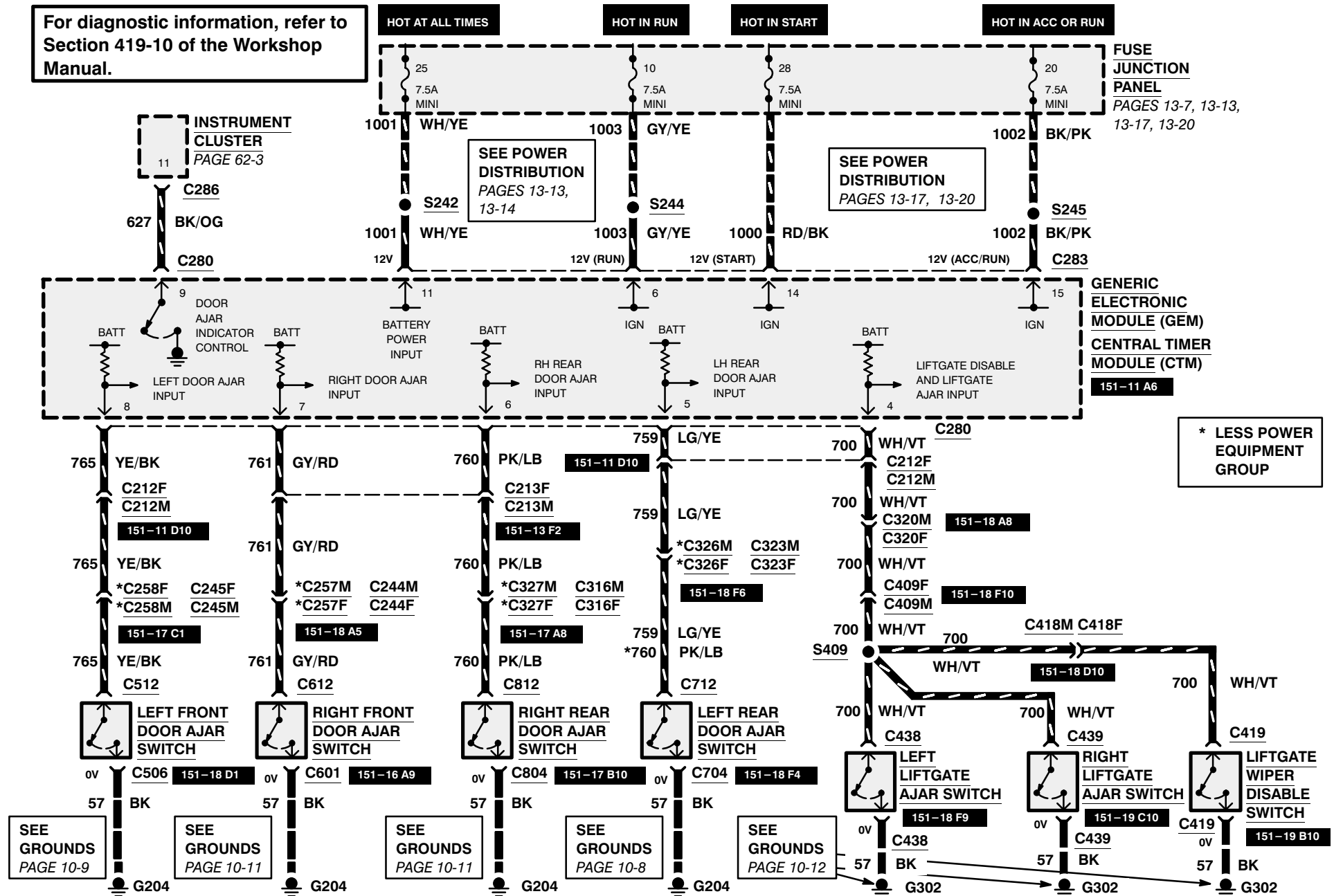
## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C280      | 59-7         |
| C283      | 59-7         |

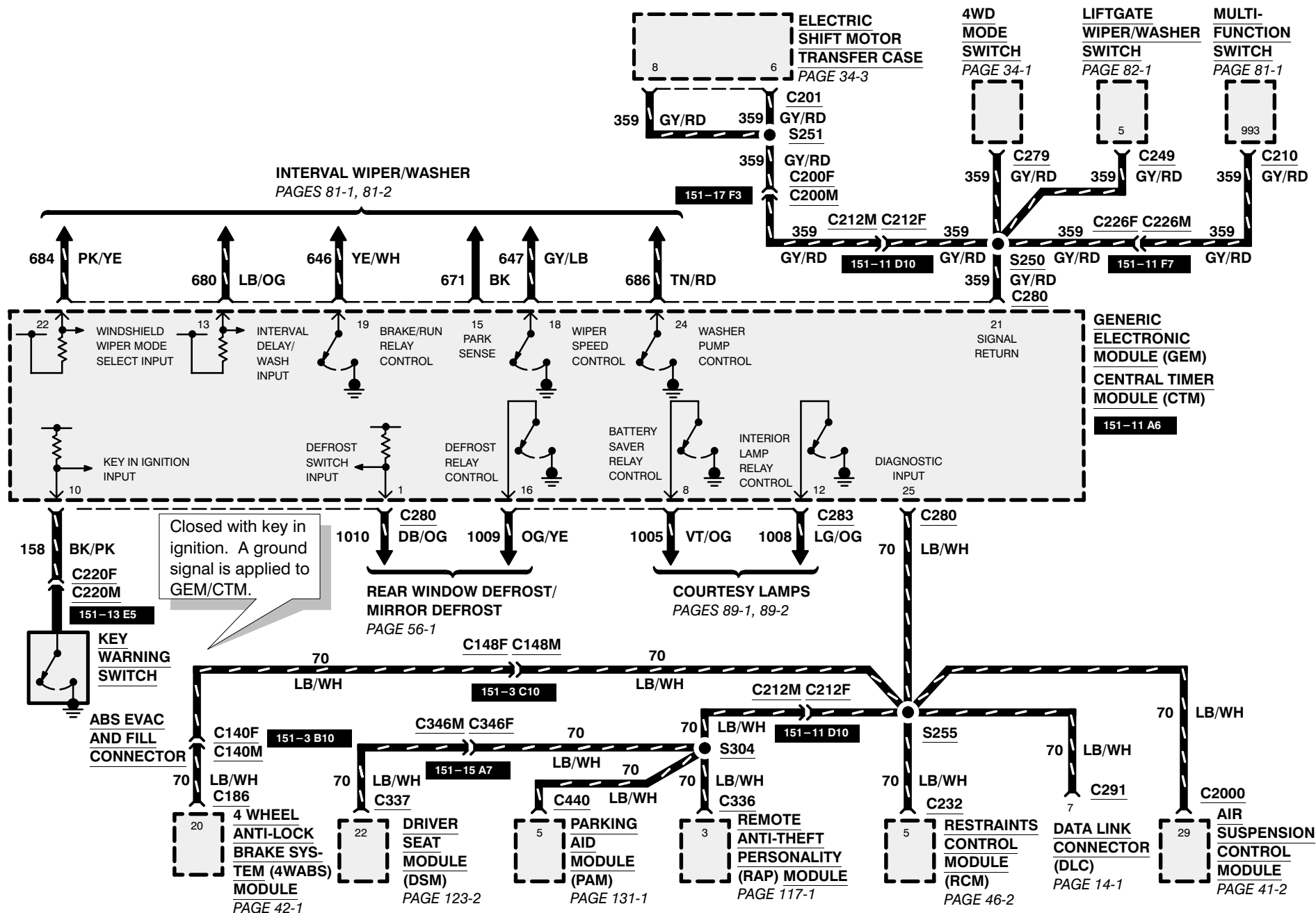
# 59-1 MULTIFUNCTION ELECTRONIC CONTROL MODULES

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 419-10 of the Workshop Manual.

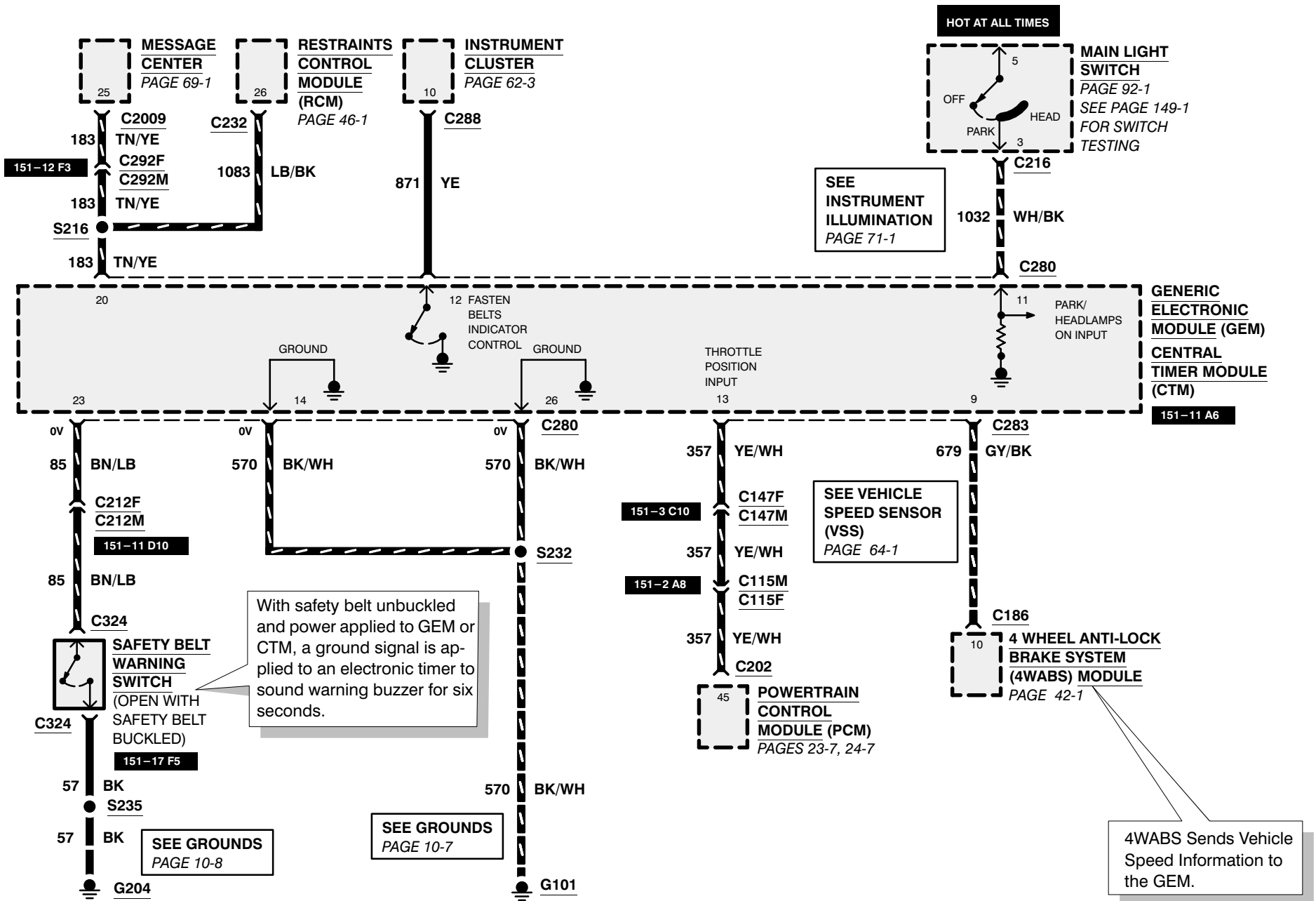


## 1999 EXPLORER/MOUNTAINEER



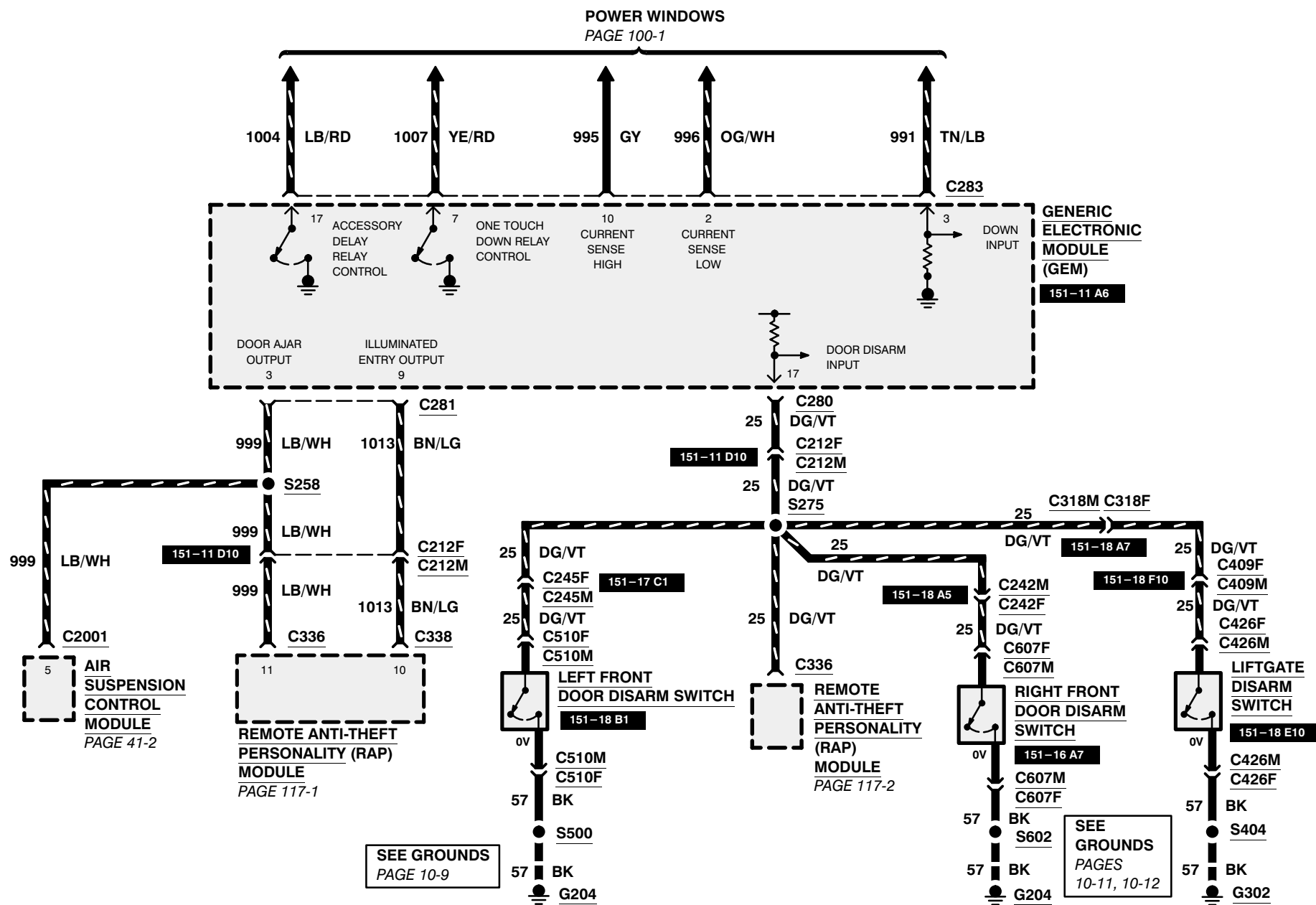
# 59-3 MULTIFUNCTION ELECTRONIC CONTROL MODULES

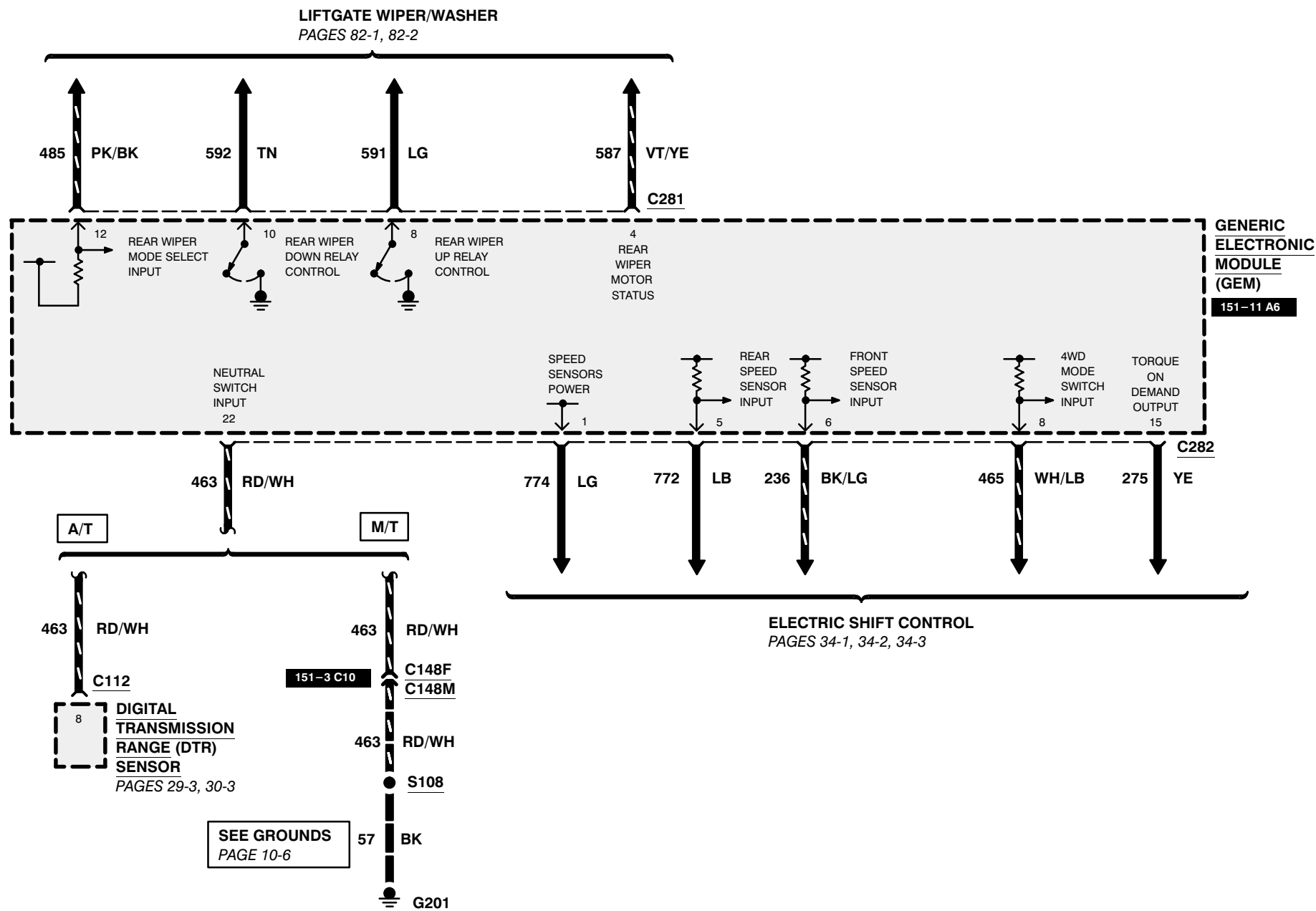
1999 EXPLORER/MOUNTAINEER



# MULTIFUNCTION ELECTRONIC CONTROL MODULES 59-4

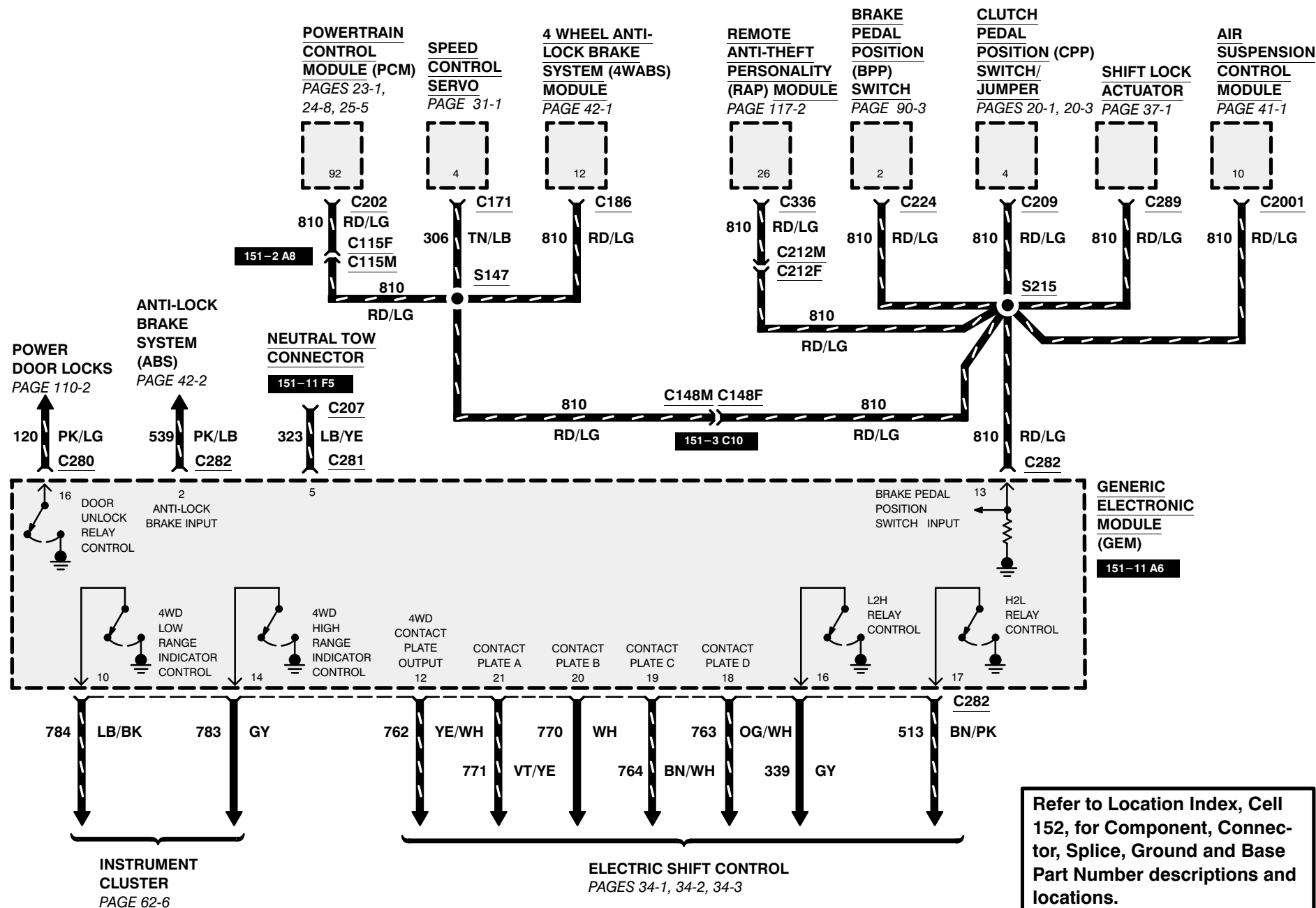
1999 EXPLORER/MOUNTAINEER



**1999 EXPLORER/MOUNTAINEER**

# MULTIFUNCTION ELECTRONIC CONTROL MODULES 59-6

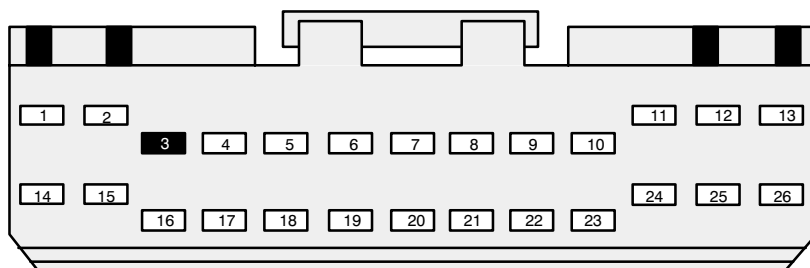
1999 EXPLORER/MOUNTAINEER



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

# 59-7 MULTIFUNCTION ELECTRONIC CONTROL MODULES

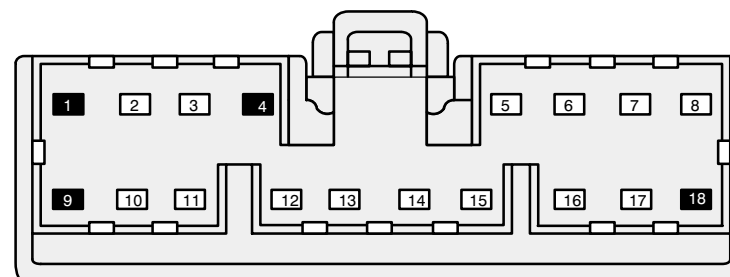
1999 EXPLORER/MOUNTAINEER



**C280**  
**GENERIC ELECTRONIC MODULE (GEM)/**  
**CENTRAL TIMER MODULE (CTM)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                           |
|-----|--------------|--------------------------------------------|
| 1   | 1010 (DB/OG) | Rear Window Defrost Input                  |
| 2   | —            | NOT USED                                   |
| 3   | —            | NOT USED                                   |
| 4   | 700 (WH/VT)  | Liftgate Disable and Liftgate Ajar Input   |
| 5   | 759 (LG/YE)  | LH Rear Door Ajar Input                    |
| 6   | 760 (PK/LB)  | RH Rear Door Ajar Input                    |
| 7   | 761 (GY/RD)  | RH Front Door Ajar Input                   |
| 8   | 765 (YE/BK)  | LH Front Door Ajar Input                   |
| 9   | 627 (BK/OG)  | Door Ajar Indicator Output                 |
| 10  | 158 (BK/PK)  | Key Warning Switch                         |
| 11  | 1032 (WH/BK) | Headlamps On Input                         |
| 12  | 871 (YE)     | Fasten Belts Indicator Output              |
| 13  | 680 (LB/OG)  | Windshield Wiper Interval Delay/Wash Input |
| 14  | 570 (BK/WH)  | Ground                                     |
| 15  | 671 (BK)     | Park Sense Input                           |
| 16  | *120 (PK/LG) | Door Unlock Relay Output                   |
| 17  | *25 (DG/VT)  | LH Front Door Disarm Input                 |
| 18  | 647 (GY/LB)  | Front Wiper Speed Relay Output             |
| 19  | 646 (YE/WH)  | Brake/Run Relay Output                     |
| 20  | 183 (TN/YE)  | Tone Request Input                         |
| 21  | 359 (GY/RD)  | Signal Return                              |
| 22  | 684 (PK/YE)  | Windshield Wiper Mode Select Input         |
| 23  | 85 (BN/LB)   | Safety Belt Warning Switch Input           |

| PIN | CIRCUIT     | CIRCUIT FUNCTION         |
|-----|-------------|--------------------------|
| 24  | 686 (TN/RD) | Washer Pump Relay Output |
| 25  | 70 (LB/WH)  | ISO 9141                 |
| 26  | 570 (BK/WH) | Ground                   |



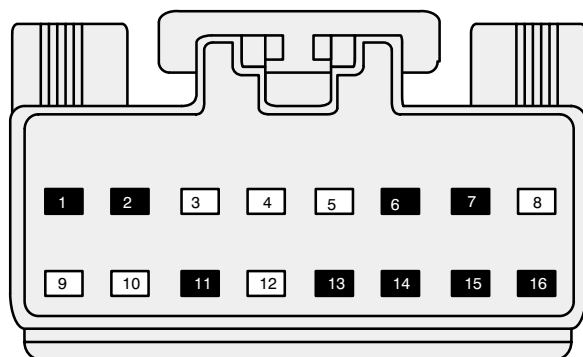
**C283**  
**GENERIC ELECTRONIC MODULE (GEM)/**  
**CENTRAL TIMER MODULE (CTM)**

| PIN | CIRCUIT       | CIRCUIT FUNCTION             |
|-----|---------------|------------------------------|
| 1   | —             | NOT USED                     |
| 2   | *996 (OG/WH)  | Current Sense Low            |
| 3   | *991 (TN/LB)  | Down Input                   |
| 4   | —             | NOT USED                     |
| 5   | —             | NOT USED                     |
| 6   | 1003 (GY/YE)  | Ignition (Hot in Run)        |
| 7   | *1007 (YE/RD) | One Touch Down Relay Output  |
| 8   | 1005 (VT/OG)  | Battery Saver Relay Output   |
| 9   | 679 (GY/BK)   | VSS (+)                      |
| 10  | *995 (GY)     | Current Sense High           |
| 11  | 1001 (WH/YE)  | Power (Hot at All Times)     |
| 12  | 1008 (LG/OG)  | Interior Lamp Relay Output   |
| 13  | 357 (YE/WH)   | Throttle Position Input      |
| 14  | 1000 (RD/BK)  | Ignition (Hot in Start)      |
| 15  | 1002 (BK/PK)  | Ignition (Hot in ACC or Run) |
| 16  | 1009 (OG/YE)  | Defrost Relay Output         |
| 17  | *1004 (LB/RD) | Accessory Delay Relay Output |
| 18  | —             | VSS (—)                      |

\*GEM FUNCTIONS ONLY

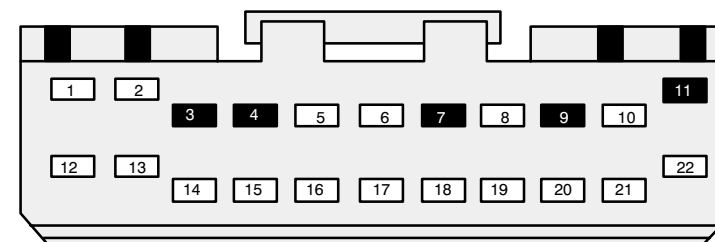
# MULTIFUNCTION ELECTRONIC CONTROL MODULES 59-8

1999 EXPLORER/MOUNTAINEER



**C281 (BLACK)**  
**GENERIC ELECTRONIC MODULE (GEM)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION              |
|-----|--------------|-------------------------------|
| 1   | —            | NOT USED                      |
| 2   | —            | NOT USED                      |
| 3   | 999 (LB/WH)  | Door Ajar Output              |
| 4   | 587 (VT/YE)  | Rear Wiper Motor Status       |
| 5   | 323 (LB/YE)  | Gem to Neutral Tow Connector  |
| 6   | —            | NOT USED                      |
| 7   | —            | NOT USED                      |
| 8   | 591 (LG)     | Rear Wiper Up Relay Control   |
| 9   | 1013 (BN/LG) | Illuminated Entry Output      |
| 10  | 592 (TN)     | Rear Wiper Down Relay Control |
| 11  | —            | NOT USED                      |
| 12  | 485 (PK/BK)  | Rear Wiper Mode/Wash Input    |
| 13  | —            | NOT USED                      |
| 14  | —            | NOT USED                      |
| 15  | —            | NOT USED                      |
| 16  | —            | NOT USED                      |



**C282**  
**GENERIC ELECTRONIC MODULE (GEM)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                     |
|-----|-------------|--------------------------------------|
| 1   | 774 (LG)    | Speed Sensor Power                   |
| 2   | 539 (PK/LB) | Anti-Lock Brake Input                |
| 3   | —           | NOT USED                             |
| 4   | —           | NOT USED                             |
| 5   | 772 (LB)    | Rear Speed Sensor Input              |
| 6   | 236 (BK/LG) | Front Speed Sensor Input             |
| 7   | —           | NOT USED                             |
| 8   | 465 (WH/LB) | 4WD Mode Switch Input                |
| 9   | —           | NOT USED                             |
| 10  | 784 (LB/BK) | 4WD Low Range Indicator Control      |
| 11  | —           | NOT USED                             |
| 12  | 762 (YE/WH) | 4WD Contact Plate Signal Return      |
| 13  | 810 (RD/LG) | Brake Pedal Position Input           |
| 14  | 783 (GY)    | 4x4 High Range Indicator Control     |
| 15  | 275 (YE)    | Torque On Demand Clutch Relay Output |
| 16  | 339 (GY)    | 4 Low to 4 High (L2H Relay Control)  |
| 17  | 513 (BN/PK) | 4 High to 4 Low (H2L Relay Control)  |
| 18  | 763 (OG/WH) | Contact Plate D                      |
| 19  | 764 (BN/WH) | Contact Plate C                      |
| 20  | 770 (WH)    | Contact Plate B                      |
| 21  | 771 (VT/YE) | Contact Plate A                      |
| 22  | 463 (RD/WH) | Neutral Sense Input                  |

# 59-9 MULTIFUNCTION ELECTRONIC CONTROL MODULES

1999 EXPLORER/MOUNTAINEER

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C186      | 42-3         |
| C201      | 34-4         |
| C209      | 20-4         |
| C210      | 85-2         |
| C216      | 13-25        |
| C232      | 46-3         |
| C249      | 82-4         |
| C291      | 14-2         |
| C336      | 117-4        |
| C337      | 123-5        |
| C338      | 117-4        |
| C440      | 131-2        |
| C2000     | 41-4         |
| C2001     | 41-4         |

## NOTES 59-10

**1999 EXPLORER/MOUNTAINEER**[illegible]

# 62-1 INSTRUMENT CLUSTER (ANALOG)

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 413-01 of the Workshop Manual.

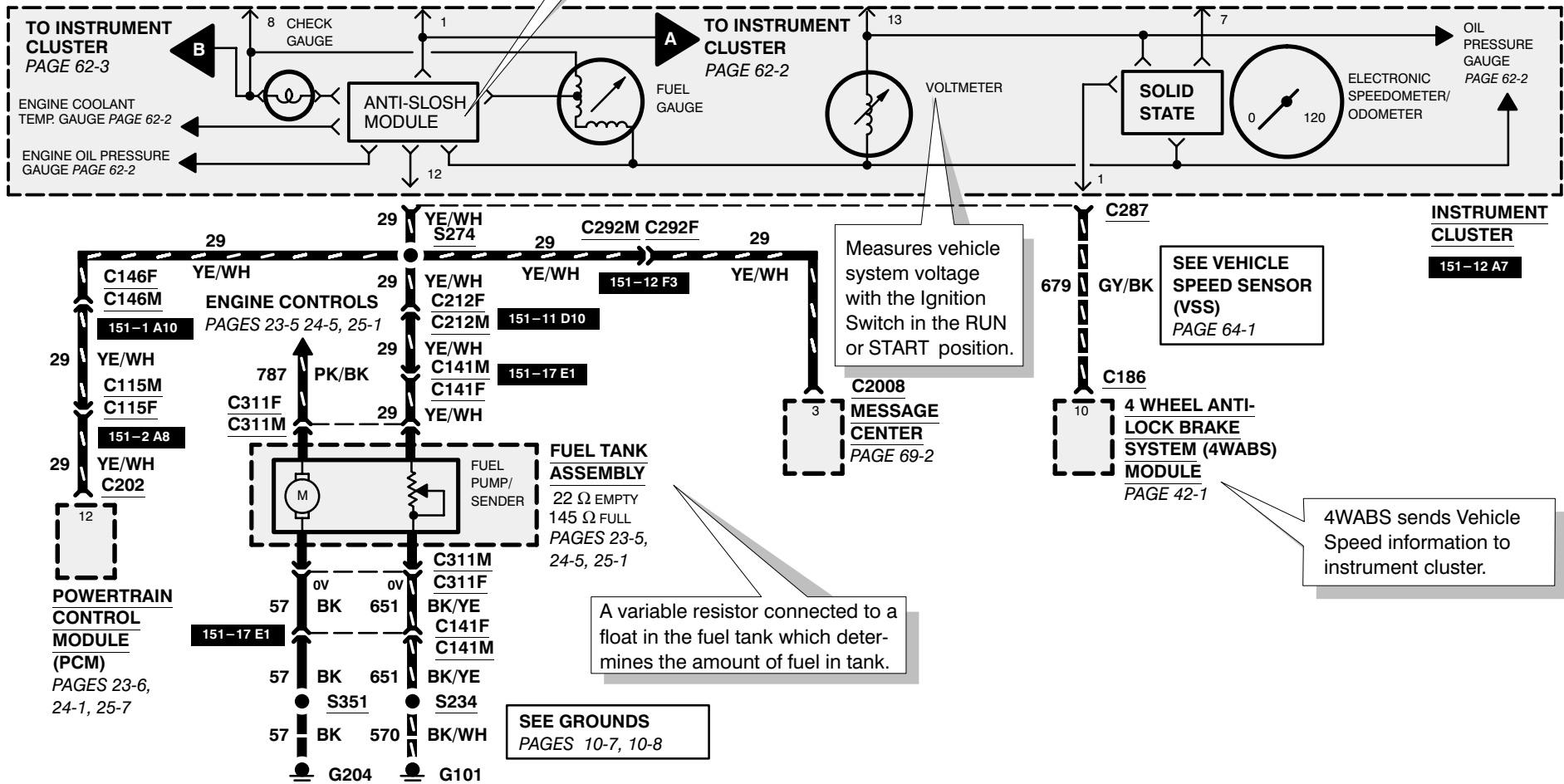
Provides a delay circuit to the Fuel Gauge which prevent the Fuel Gauge from fluctuating due to excessive movement in the fuel tank.

HOT IN START OR RUN  
FUSE JUNCTION PANEL  
PAGE 13-16  
7.5A

HOT AT ALL TIMES  
FUSE JUNCTION PANEL  
PAGE 13-14  
7.5A

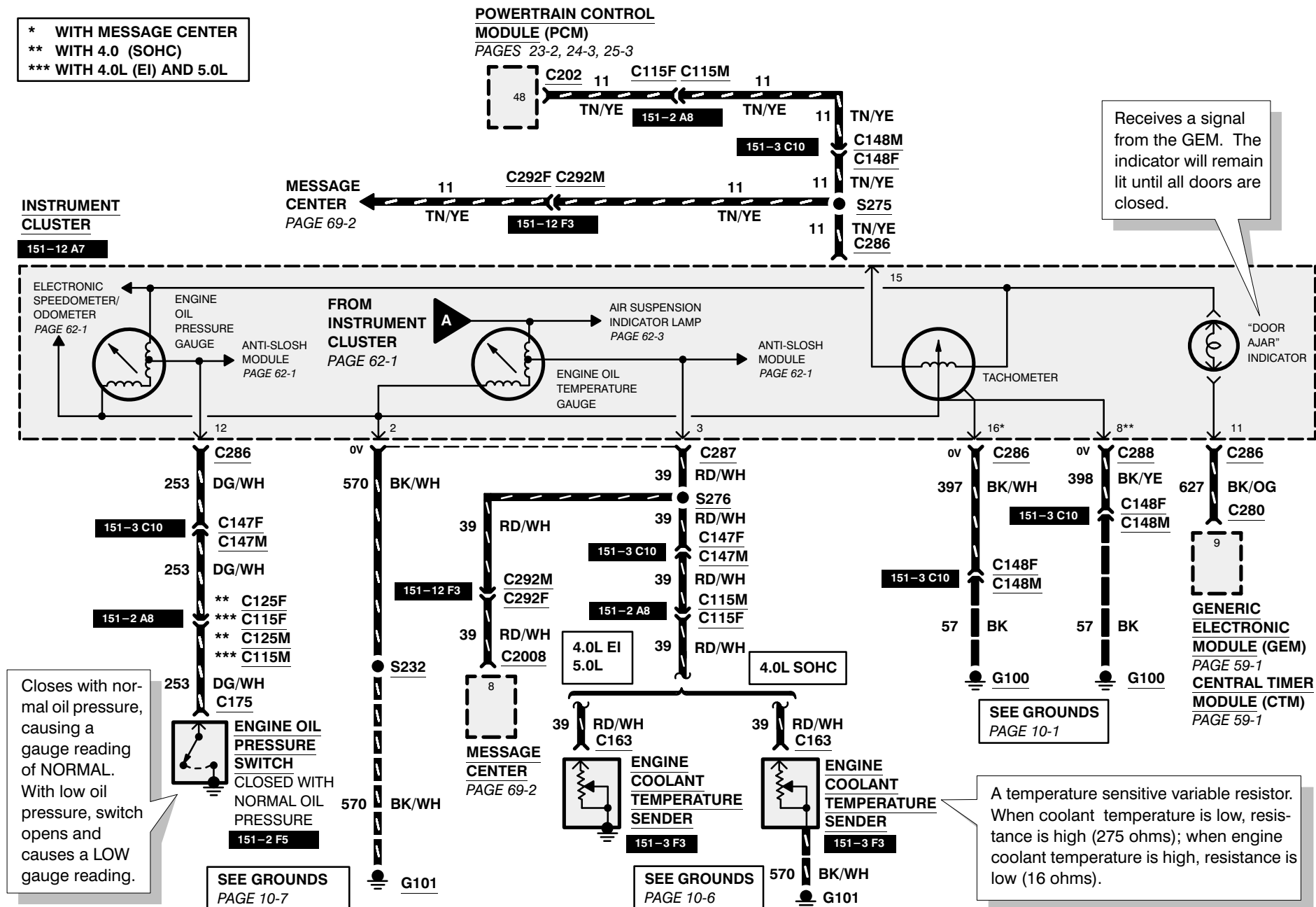
SEE POWER DISTRIBUTION  
PAGE 13-16

SEE POWER DISTRIBUTION  
PAGE 13-14



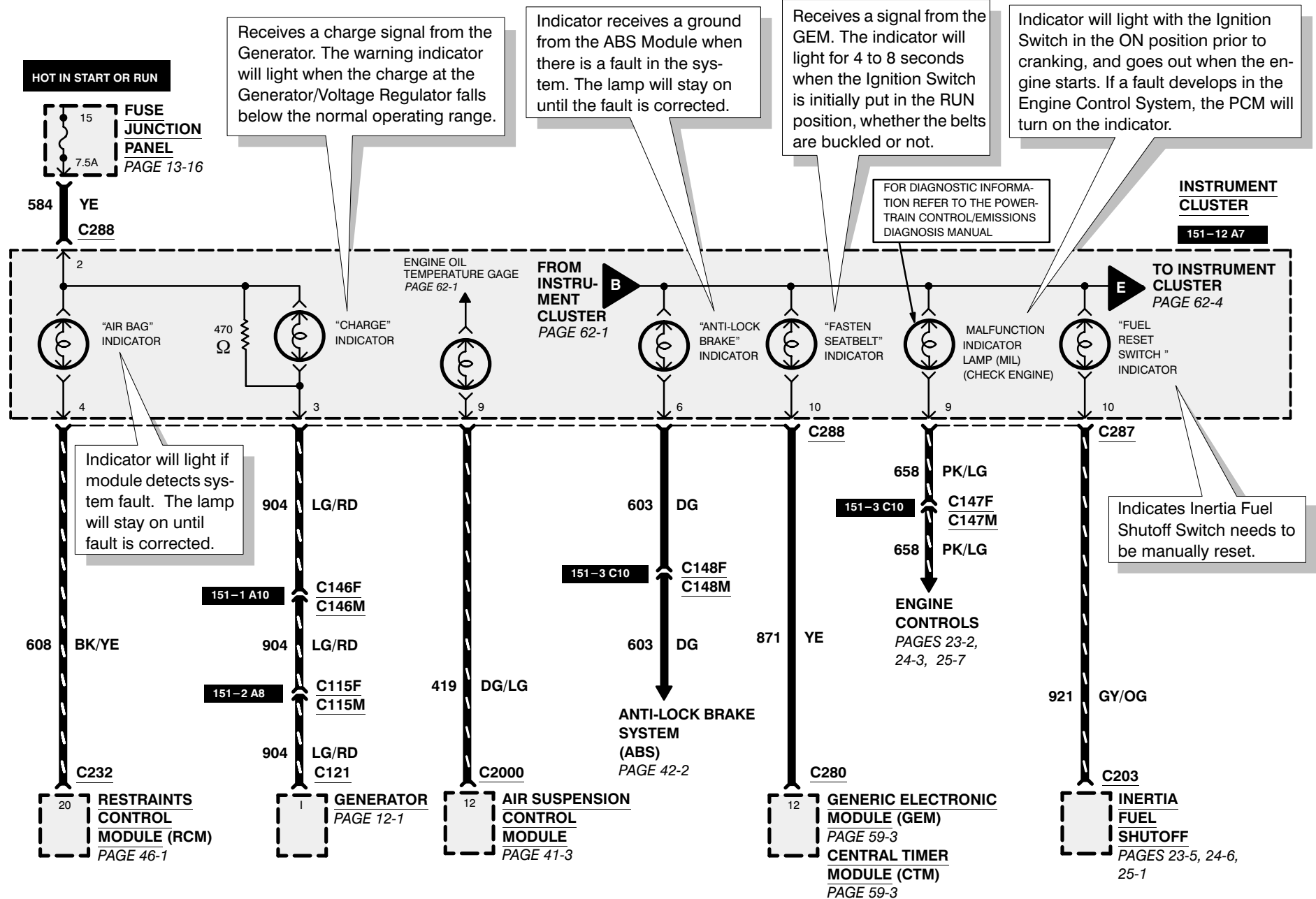
## 1999 EXPLORER/MOUNTAINEER

**POWERTRAIN CONTROL  
MODULE (PCM)**  
*PAGES 23-2, 24-3, 25-3*



# 62-3 INSTRUMENT CLUSTER (ANALOG)

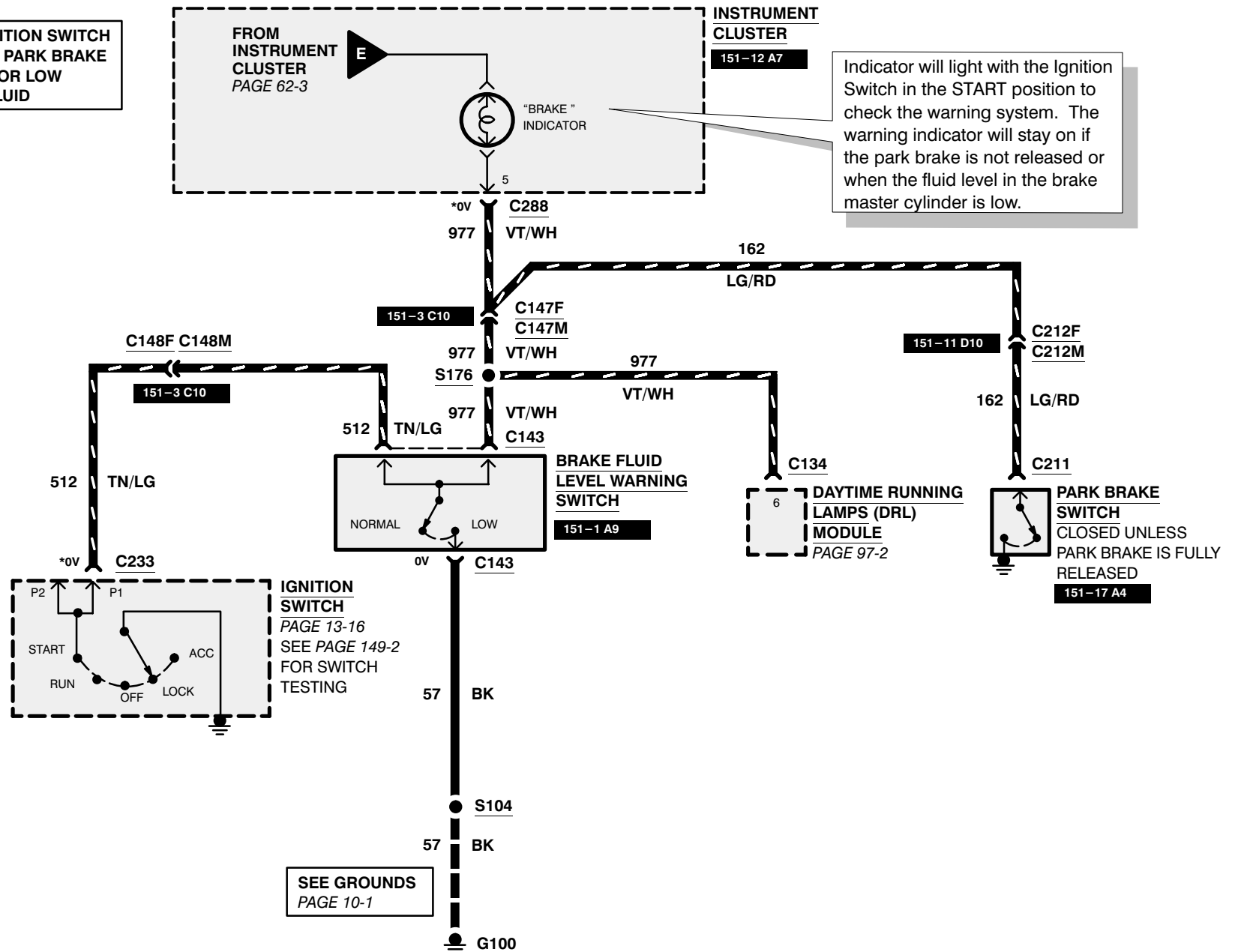
1999 EXPLORER/MOUNTAINEER



# INSTRUMENT CLUSTER (ANALOG) 62-4

1999 EXPLORER/MOUNTAINEER

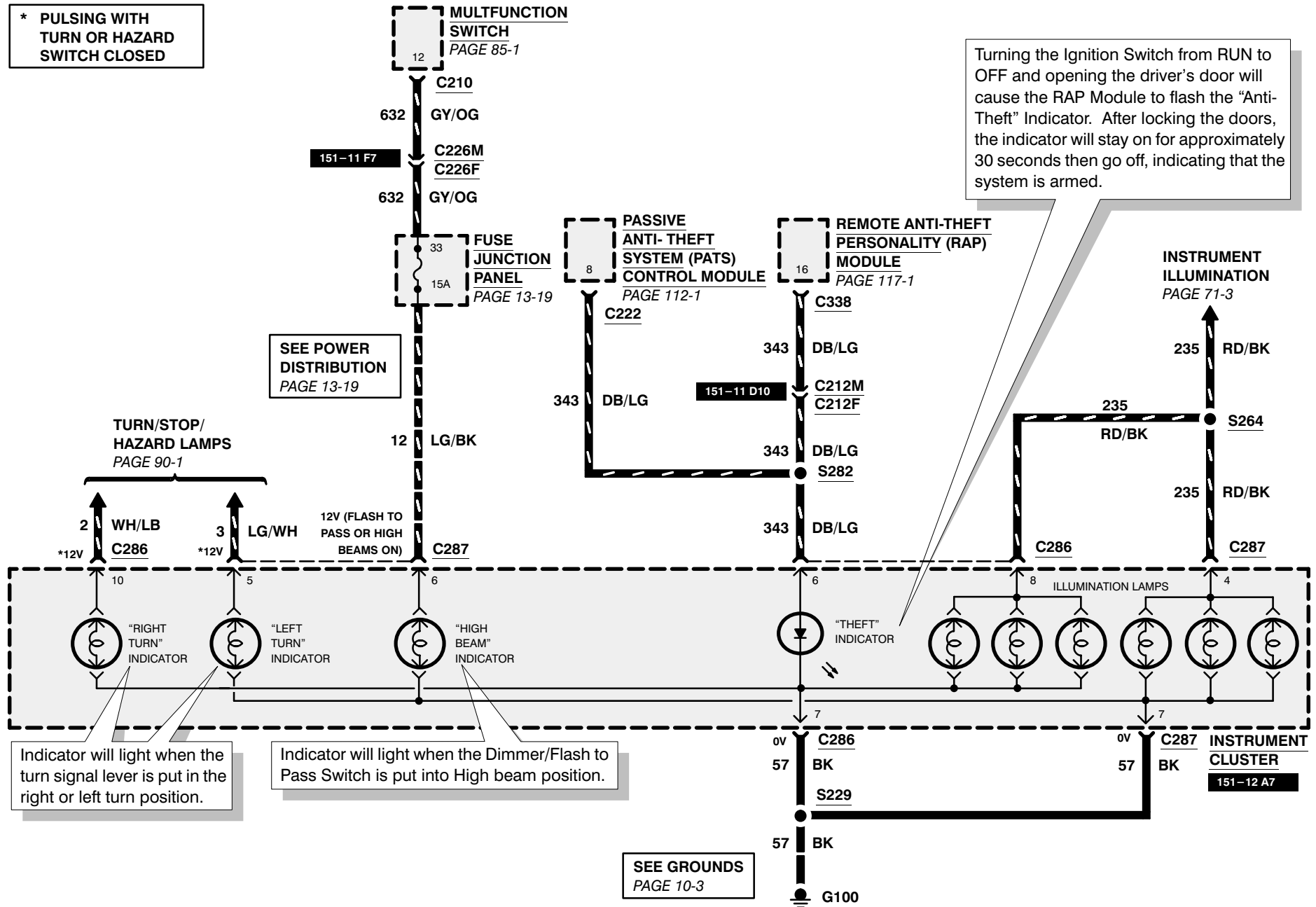
\* WITH IGNITION SWITCH  
IN START, PARK BRAKE  
APPLIED OR LOW  
BRAKE FLUID



# 62-5 INSTRUMENT CLUSTER (ANALOG)

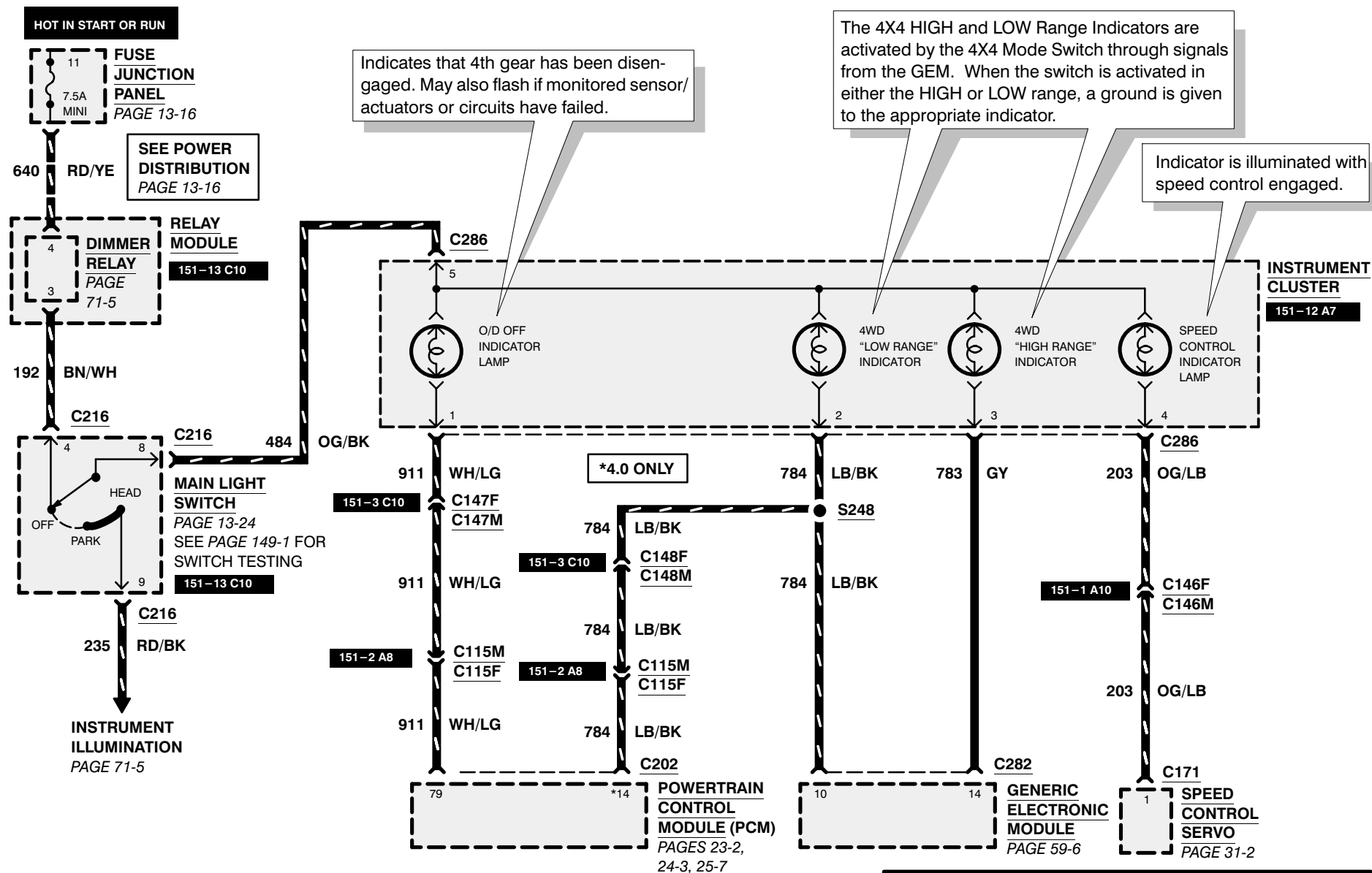
1999 EXPLORER/MOUNTAINEER

\* PULSING WITH  
TURN OR HAZARD  
SWITCH CLOSED



# INSTRUMENT CLUSTER (ANALOG) 62-6

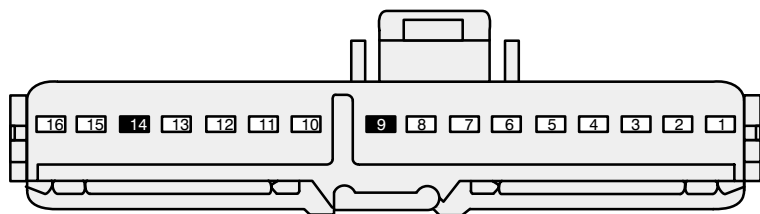
1999 EXPLORER/MOUNTAINEER



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

# 62-7 INSTRUMENT CLUSTER (ANALOG)

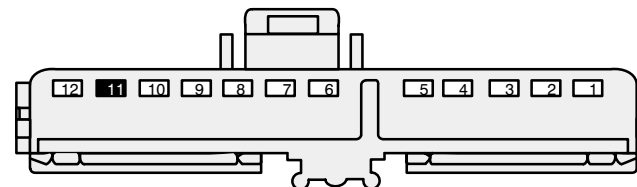
1999 EXPLORER/MOUNTAINEER



**C286 (WHITE)**

**INSTRUMENT CLUSTER**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                        |
|-----|-------------|---------------------------------------------------------|
| 1   | 911 (WH/LG) | Transmission Control Indicator Lamp (TCIL) Ground Input |
| 2   | 784 (LB/BK) | 4x4 Low Range Indicator Ground Input                    |
| 3   | 783 (GY)    | 4x4 High Range Indicator Ground Input                   |
| 4   | 203 (OG/LB) | Speed Control Indicator Ground Input                    |
| 5   | 484 (OG/BK) | Headlamp Switch Power Input                             |
| 6   | 343 (DB/LG) | Alarm Indicator Input                                   |
| 7   | 57 (BK)     | Ground                                                  |
| 8   | 235 (RD/BK) | Cluster Illumination                                    |
| 9   | —           | NOT USED                                                |
| 10  | 2 (WH/LB)   | Right Turn Indicator Input                              |
| 11  | 627 (BK/OG) | Door Ajar Input                                         |
| 12  | 253 (DG/WH) | Engine Oil Pressure Switch Input                        |
| 13  | 640 (RD/YE) | Ignition (Hot in Start or Run)                          |
| 14  | —           | NOT USED                                                |
| 15  | 11 (TN/YE)  | Tachometer Output                                       |
| 16  | 397 (BK/WH) | Ground (5.0L)                                           |



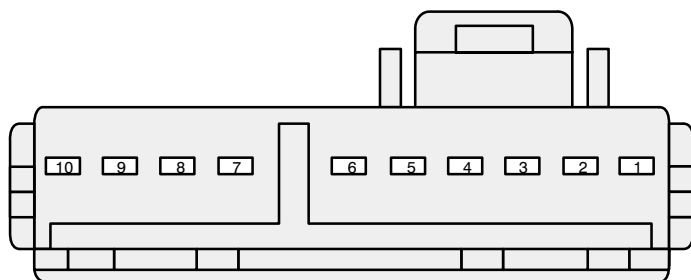
**C287 (BLACK)**

**INSTRUMENT CLUSTER**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                              |
|-----|-------------|-----------------------------------------------|
| 1   | 679 (GY/BK) | 4WABS Signal Input                            |
| 2   | 570 (BK/WH) | Ground                                        |
| 3   | 39 (RD/WH)  | Engine Coolant Temperature Input              |
| 4   | 235 (RD/BK) | Cluster Illumination                          |
| 5   | 3 (LG/WH)   | Left Turn Indicator Input                     |
| 6   | 12 (LG/BK)  | High Beam Indicator Input                     |
| 7   | 57 (BK)     | Ground                                        |
| 8   | 640 (RD/YE) | Ignition (Hot in Start or Run)                |
| 9   | 658 (PK/LG) | Malfunction Indicator Lamp (MIL) Ground Input |
| 10  | 921 (GY/OG) | Inertia Fuel Shutoff – Ground Input           |
| 11  | —           | NOT USED                                      |
| 12  | 29 (YE/WH)  | Fuel Level Input                              |

# INSTRUMENT CLUSTER (ANALOG) 62-8

1999 EXPLORER/MOUNTAINEER



**C288 (WHITE)**  
**INSTRUMENT CLUSTER**

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE        | CONNECTOR | SECTION-PAGE           |
|-----------|---------------------|-----------|------------------------|
| C171      | 31-3                | C280      | 59-7                   |
| C202      | 23-8, 24-9,<br>25-8 | C281      | 59-8                   |
| C210      | 85-2                | C282      | 59-8                   |
| C216      | 13-25               | C311      | 23-10, 24-11,<br>25-10 |
| C223      | 13-25               | C338      | 117-4                  |
| C233      | 46-4                | C2000     | 41-4                   |

| PIN | CIRCUIT      | CIRCUIT FUNCTION                       |
|-----|--------------|----------------------------------------|
| 1   | 640 (RD/YE)  | Ignition (Hot in Start or Run)         |
| 2   | 584 (YE)     | Ignition (Hot in Start or Run)         |
| 3   | 904 (LG/RD)  | Charge Indicator Ground Input          |
| 4   | 608 (BK/YE)  | Air Bag Indicator Ground Input         |
| 5   | 977 (VT/WH)  | Brake Indicator Ground Input           |
| 6   | 603 (DG)     | Anti-Lock Brake Indicator Ground Input |
| 7   | 1001 (WH/YE) | Battery (Hot at All Times)             |
| 8   | 398 (BK/YE)  | Ground (4.0L)                          |
| 9   | 419 (DG/LG)  | Air Suspension Indicator               |
| 10  | 871 (YE)     | Fasten Safety Belt Ground Input        |

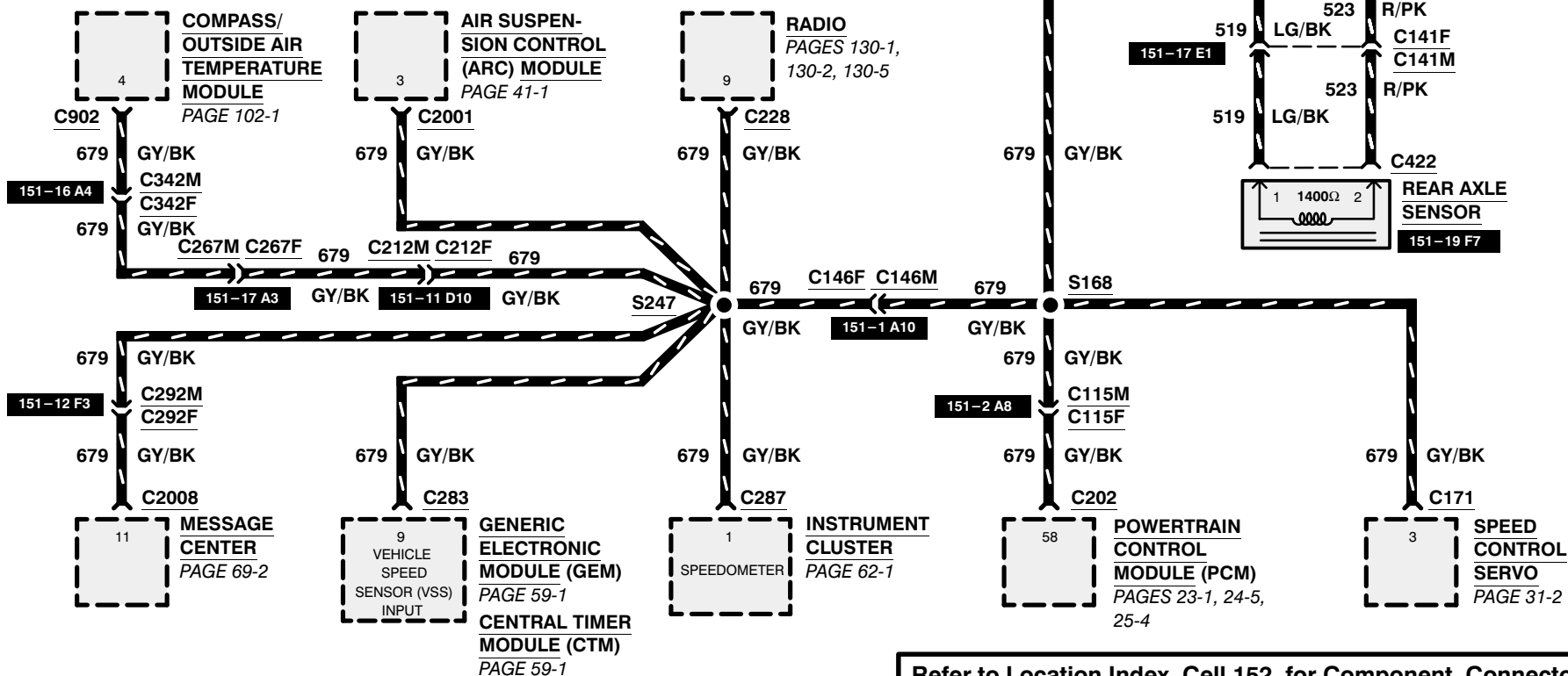
# 64-1 VEHICLE SPEED SENSOR (VSS)

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to  
Section 410-03 of the Workshop Manual.

The 4WABS module derives its  
speed signal from the rear axle  
speed sensors all included in  
the 4WABS system.

4 WHEEL ANTI-LOCK  
BRAKE SYSTEM (4WABS)  
MODULE  
PAGE 42-1



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

## NOTES 64-2

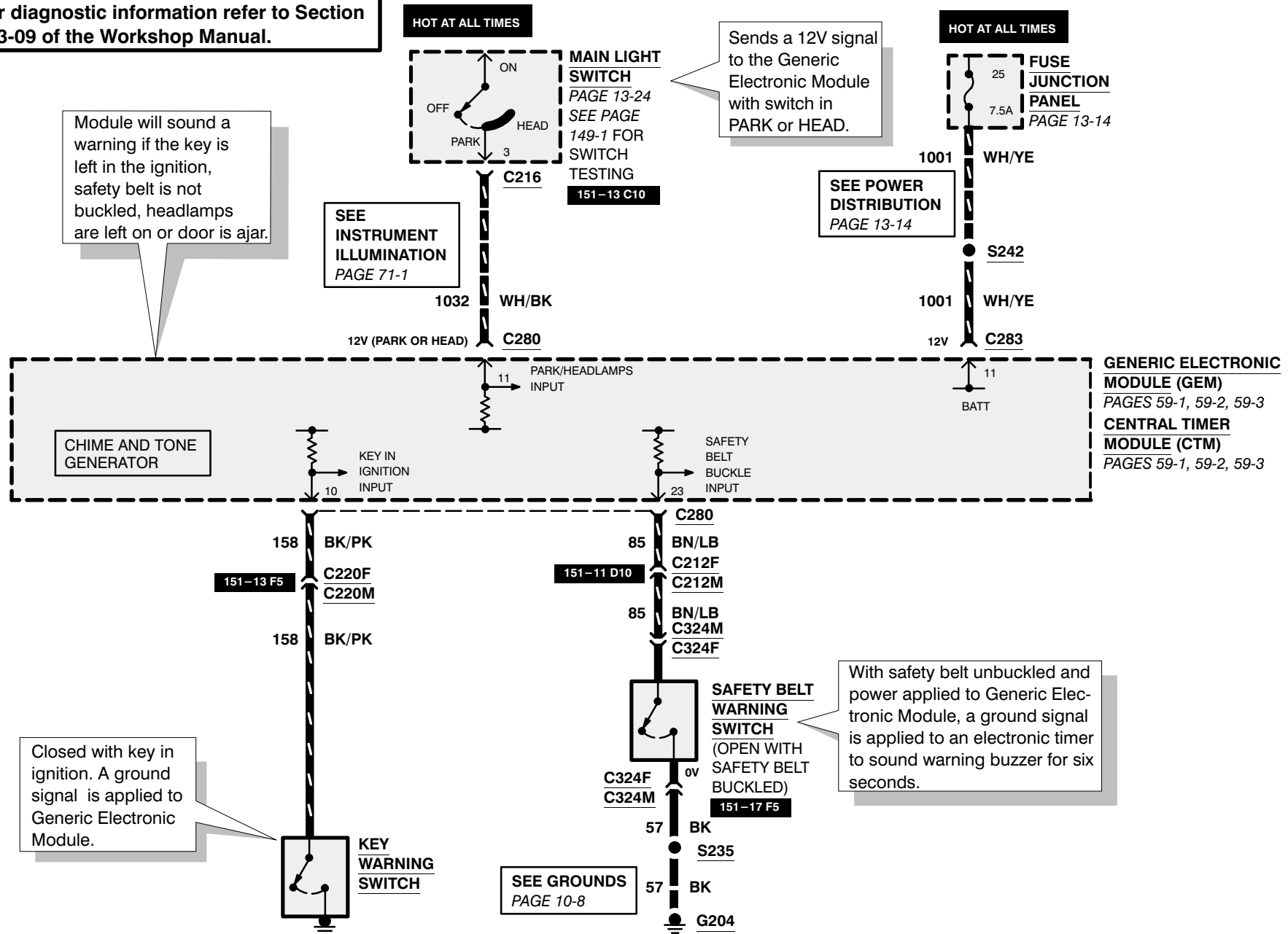
## 1999 EXPLORER/MOUNTAINEER

1999 EXPLORER/MOUNTAINEER

# 66-1 WARNING CHIME

1999 EXPLORER/MOUNTAINEER

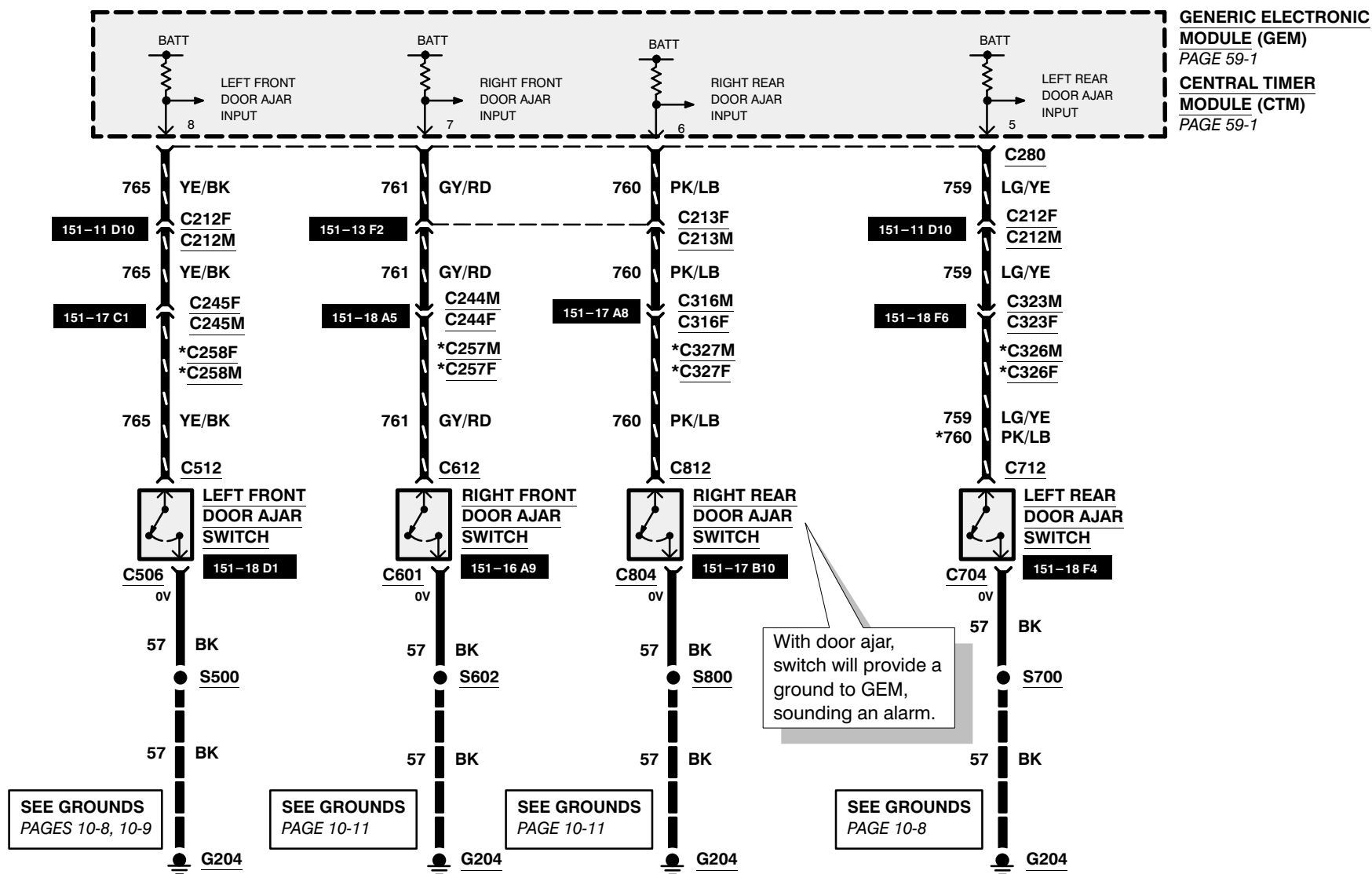
For diagnostic information refer to Section 413-09 of the Workshop Manual.



# WARNING CHIME 66-2

1999 EXPLORER/MOUNTAINEER

\* LESS POWER EQUIPMENT GROUP



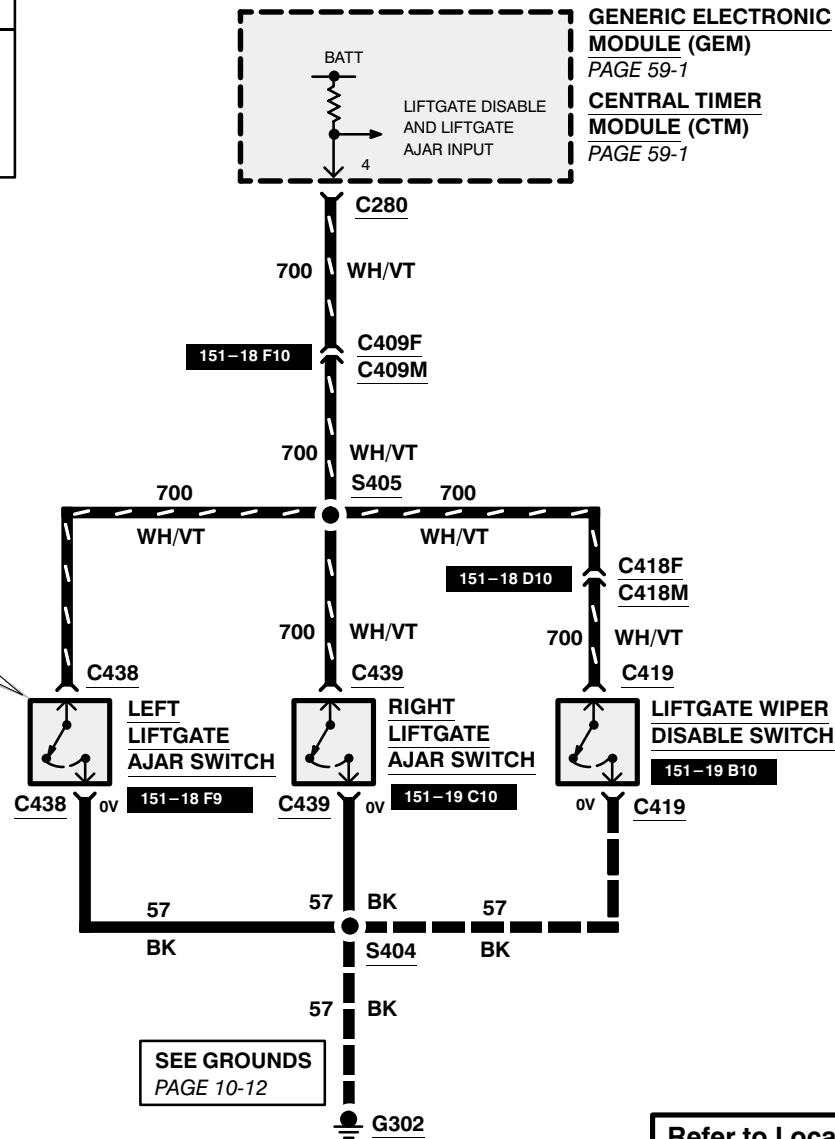
# 66-3 WARNING CHIME

1999 EXPLORER/MOUNTAINEER

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C216      | 13-25        |
| C280      | 59-7         |
| C282      | 59-8         |
| C283      | 59-7         |

With door ajar, switch will provide a ground to GEM, sounding an alarm.



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

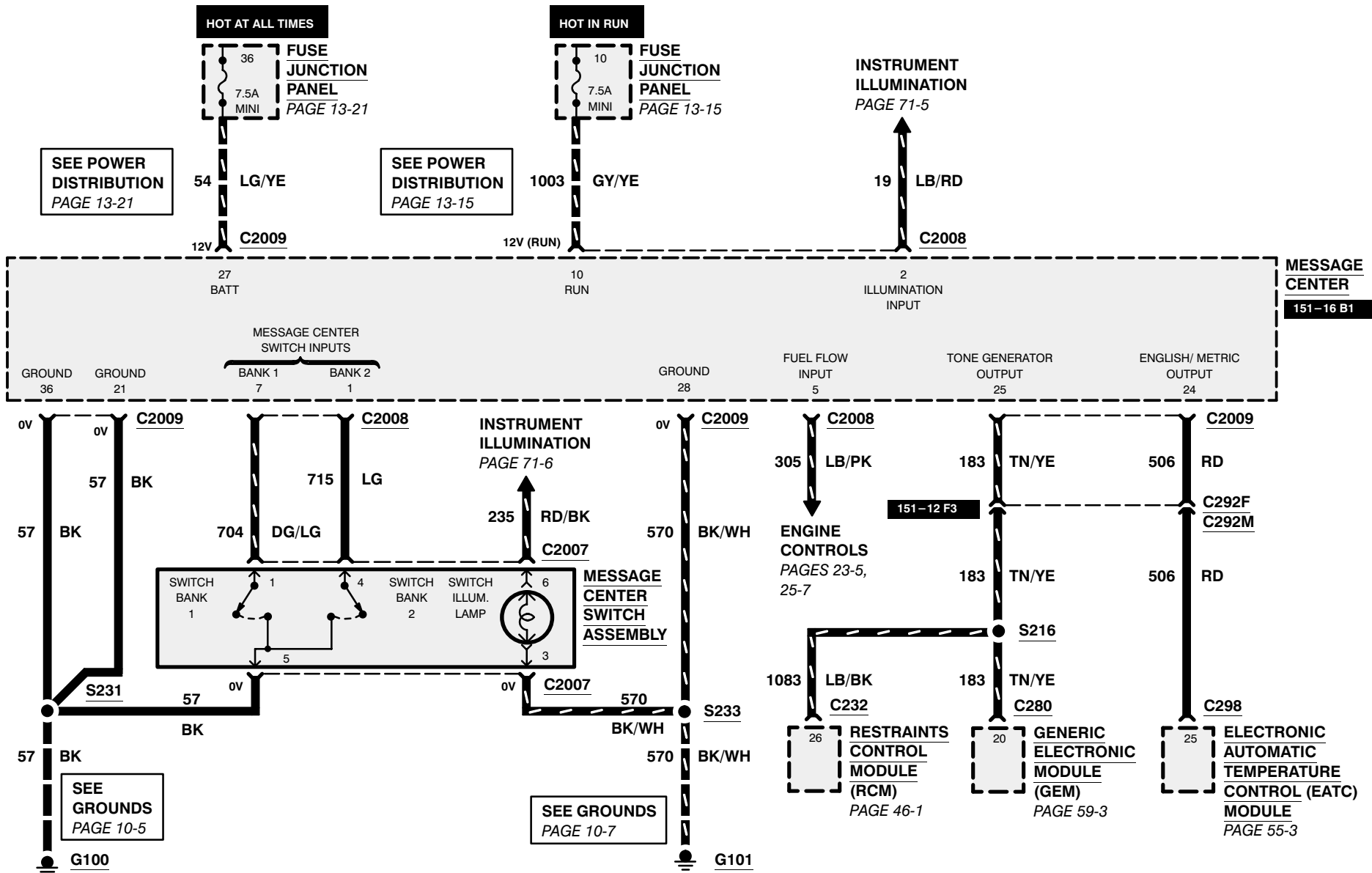
**NOTES 66-4**

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 69-1 MESSAGE CENTER

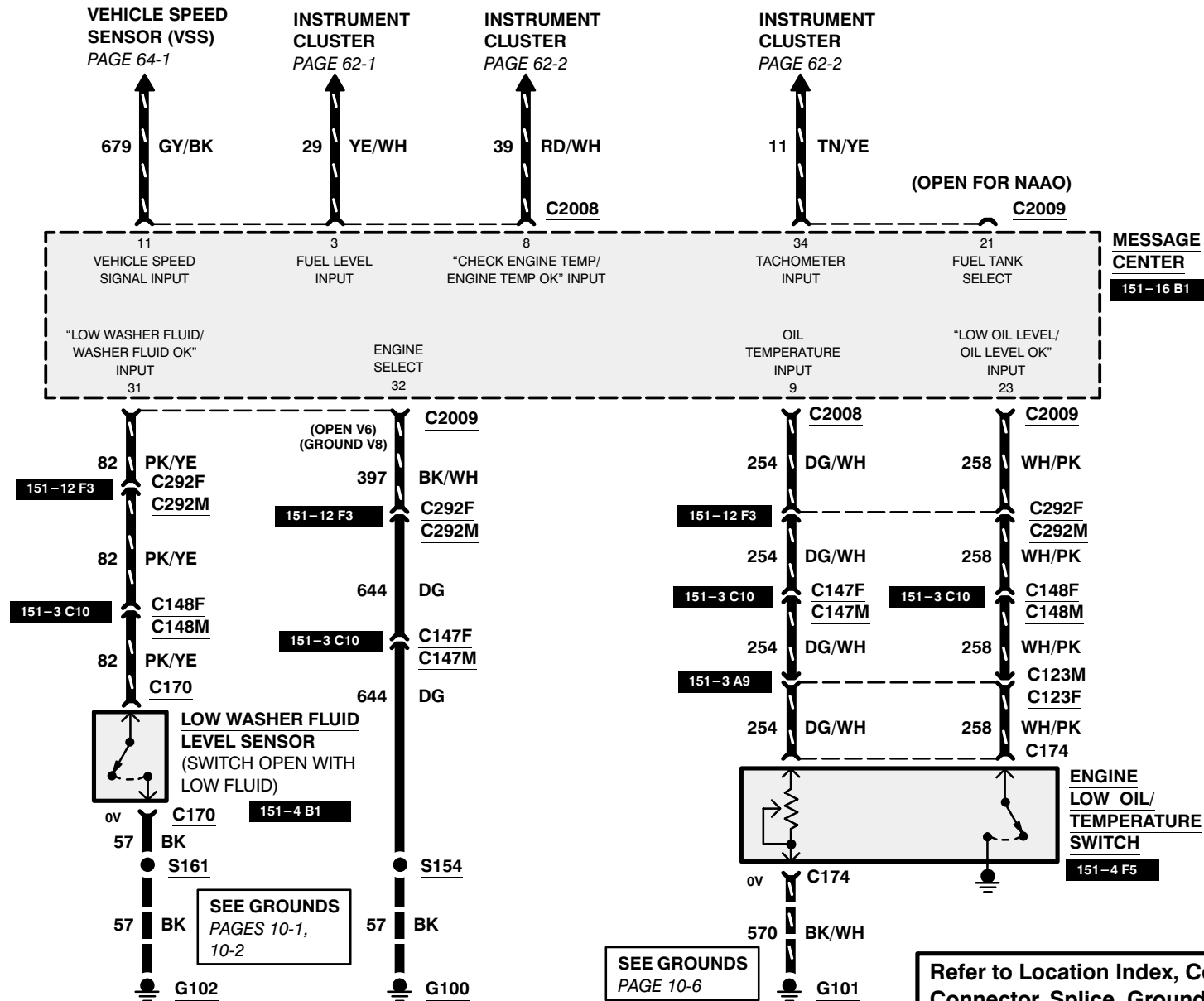
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 413-08 of the Workshop Manual.



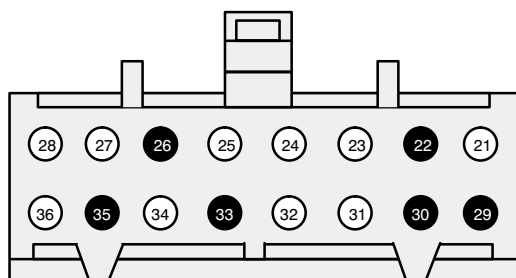
# MESSAGE CENTER 69-2

1999 EXPLORER/MOUNTAINEER



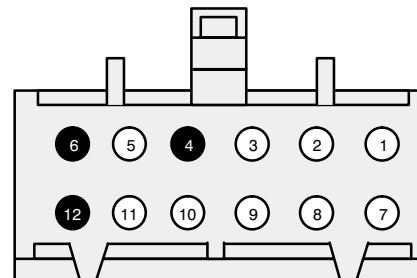
# 69-3 MESSAGE CENTER

1999 EXPLORER/MOUNTAINEER



**C2009**  
**MESSAGE CENTER**

| PIN | CIRCUIT     | CIRCUIT FUNCTION       |
|-----|-------------|------------------------|
| 21  | 57 (BK)     | Ground                 |
| 22  | —           | NOT USED               |
| 23  | 258 (WH/PK) | Oil Level Input        |
| 24  | 506 (RD)    | English/Metric Output  |
| 25  | 183 (TN/YE) | Chime Output           |
| 26  | —           | NOT USED               |
| 27  | 54 (LG/YE)  | Hot at all Times       |
| 28  | 570 (BK/WH) | Ground (Signal)        |
| 29  | —           | NOT USED               |
| 30  | —           | NOT USED               |
| 31  | 82 (PK/YE)  | Low Washer Fluid Sense |
| 32  | 397 (BK/WH) | Engine Select          |
| 33  | —           | NOT USED               |
| 34  | 11 (TN/YE)  | Tachometer Input       |
| 35  | —           | NOT USED               |
| 36  | 57 (BK)     | Ground (Power)         |

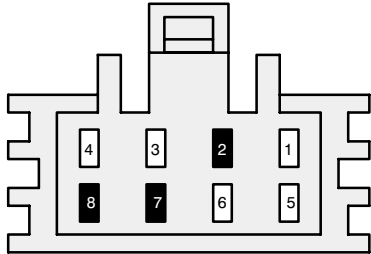


**C2008**  
**MESSAGE CENTER**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                     |
|-----|--------------|--------------------------------------|
| 1   | 715 (LG)     | Message Center Switch Input (Bank 2) |
| 2   | 19 (LB/RD)   | Illumination Feed                    |
| 3   | 29 (YE/WH)   | Fuel Level Input                     |
| 4   | —            | NOT USED                             |
| 5   | 305 (LB/PK)  | Fuel Flow Input                      |
| 6   | —            | NOT USED                             |
| 7   | 704 (DG/LG)  | Message Center Switch Input (Bank 1) |
| 8   | 39 (RD/WH)   | Engine Temp Sense                    |
| 9   | 254 (DG/WH)  | Oil Temperature Input                |
| 10  | 1003 (GY/YE) | Hot in Run                           |
| 11  | 679 (GY/BK)  | Speed Sensor Input                   |
| 12  | —            | NOT USED                             |

# MESSAGE CENTER 69-4

1999 EXPLORER/MOUNTAINEER



**C2007**  
**MESSAGE CENTER SWITCH**  
**ASSEMBLY**

## CONNECTOR REFERENCE LIST

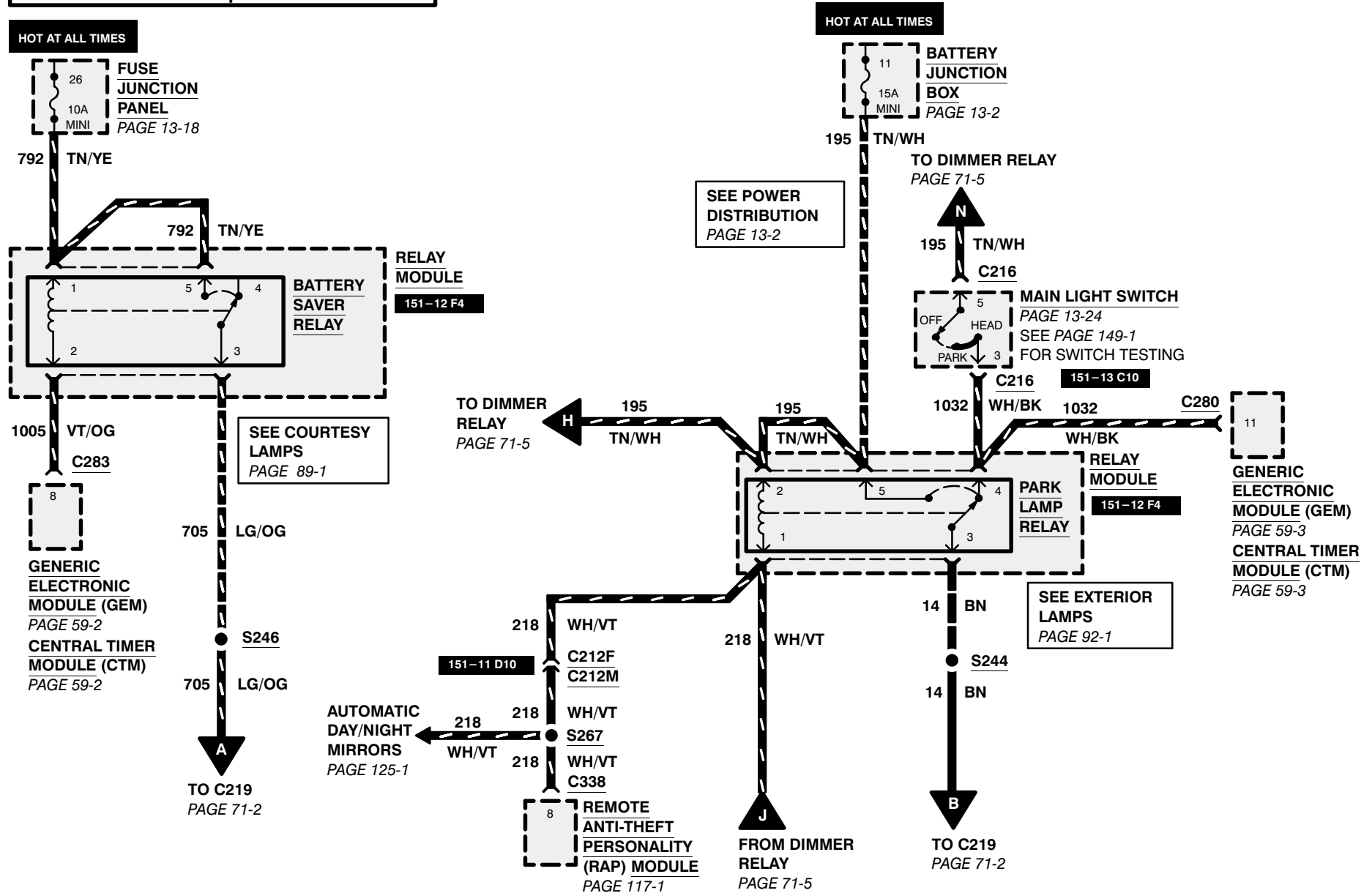
| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C280      | 59-7         |
| C298      | 55-5         |

| PIN | CIRCUIT     | CIRCUIT FUNCTION               |
|-----|-------------|--------------------------------|
| 1   | 704 (DG/LG) | Message Center (Switch Bank 1) |
| 2   | —           | NOT USED                       |
| 3   | 570 (BK/WH) | Ground                         |
| 4   | 715 (LG)    | Message Center (Switch Bank 2) |
| 5   | 57 (BK)     | Ground                         |
| 6   | 235 (RD/BK) | Illumination                   |
| 7   | —           | NOT USED                       |
| 8   | —           | NOT USED                       |

# 71-1 INSTRUMENT ILLUMINATION

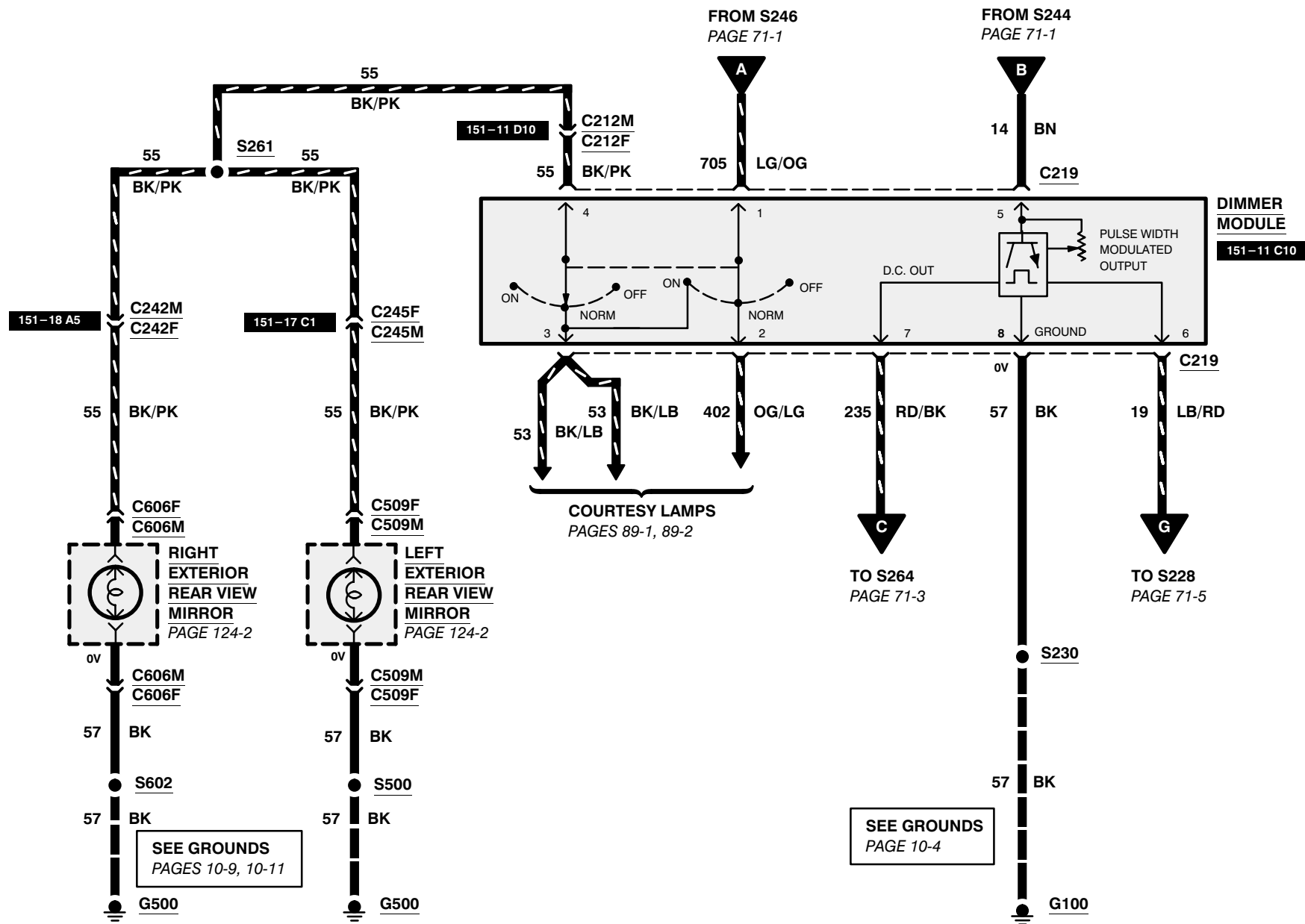
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 413-00 of the Workshop Manual.



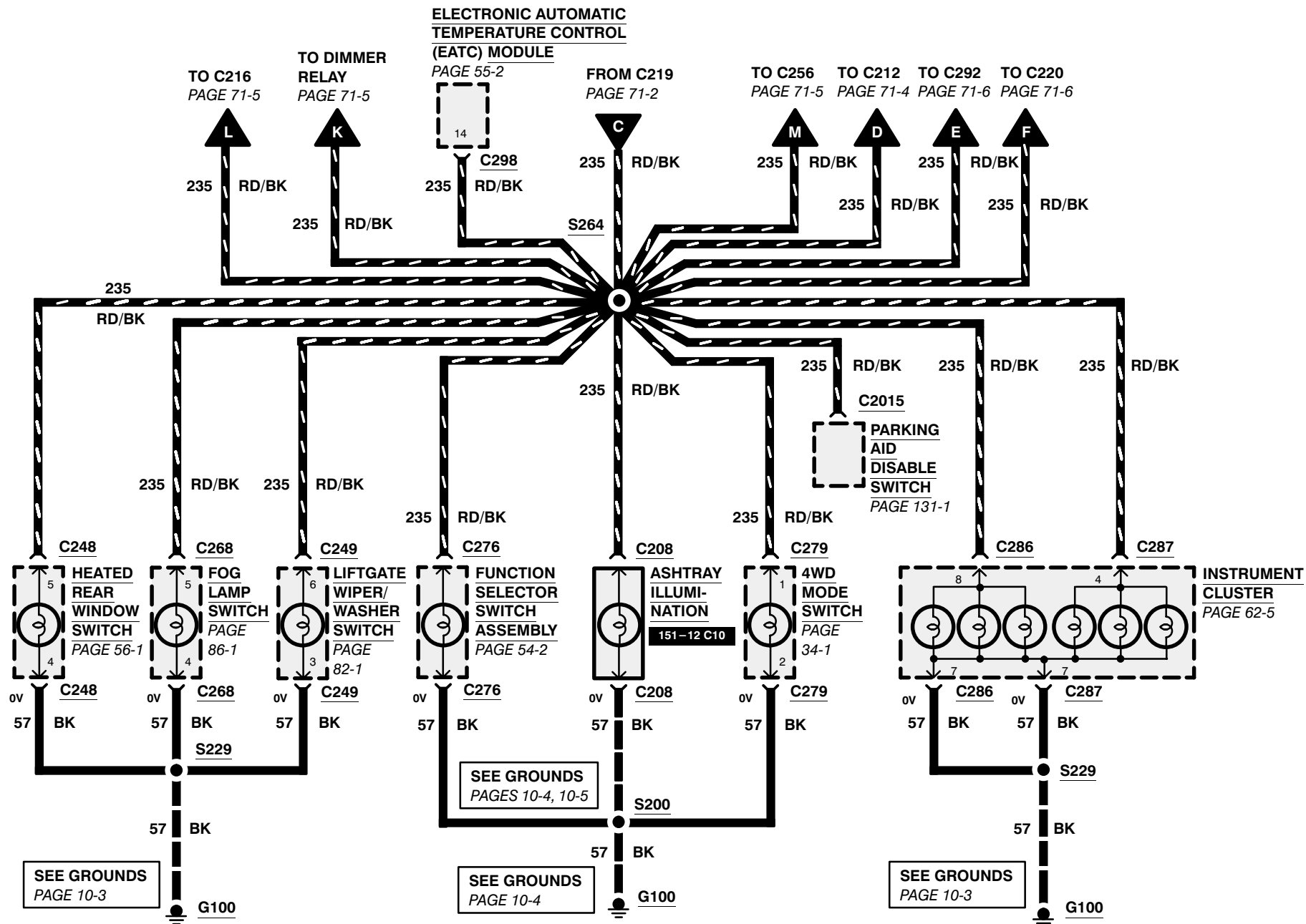
# INSTRUMENT ILLUMINATION 71-2

1999 EXPLORER/MOUNTAINEER



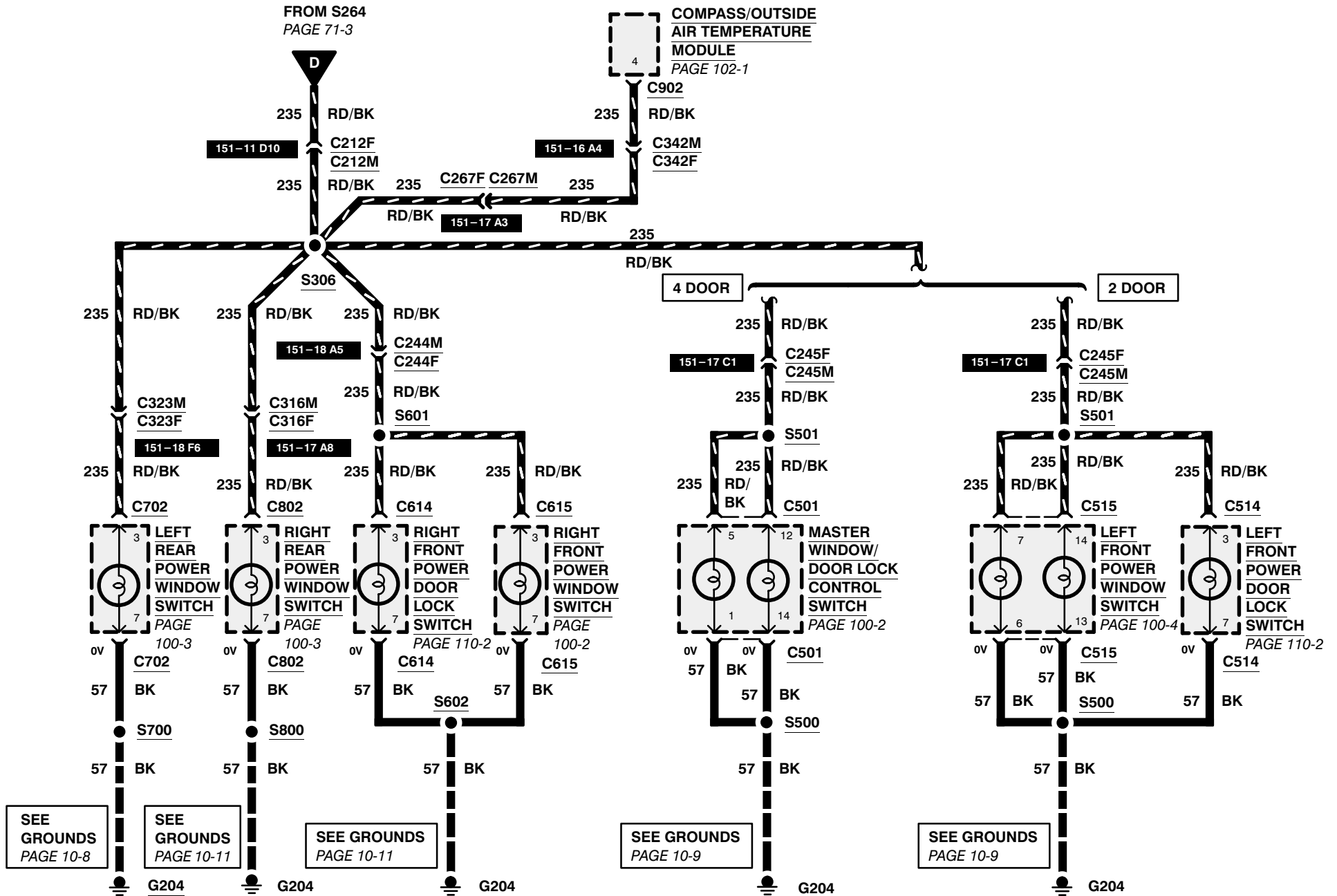
# 71-3 INSTRUMENT ILLUMINATION

1999 EXPLORER/MOUNTAINEER



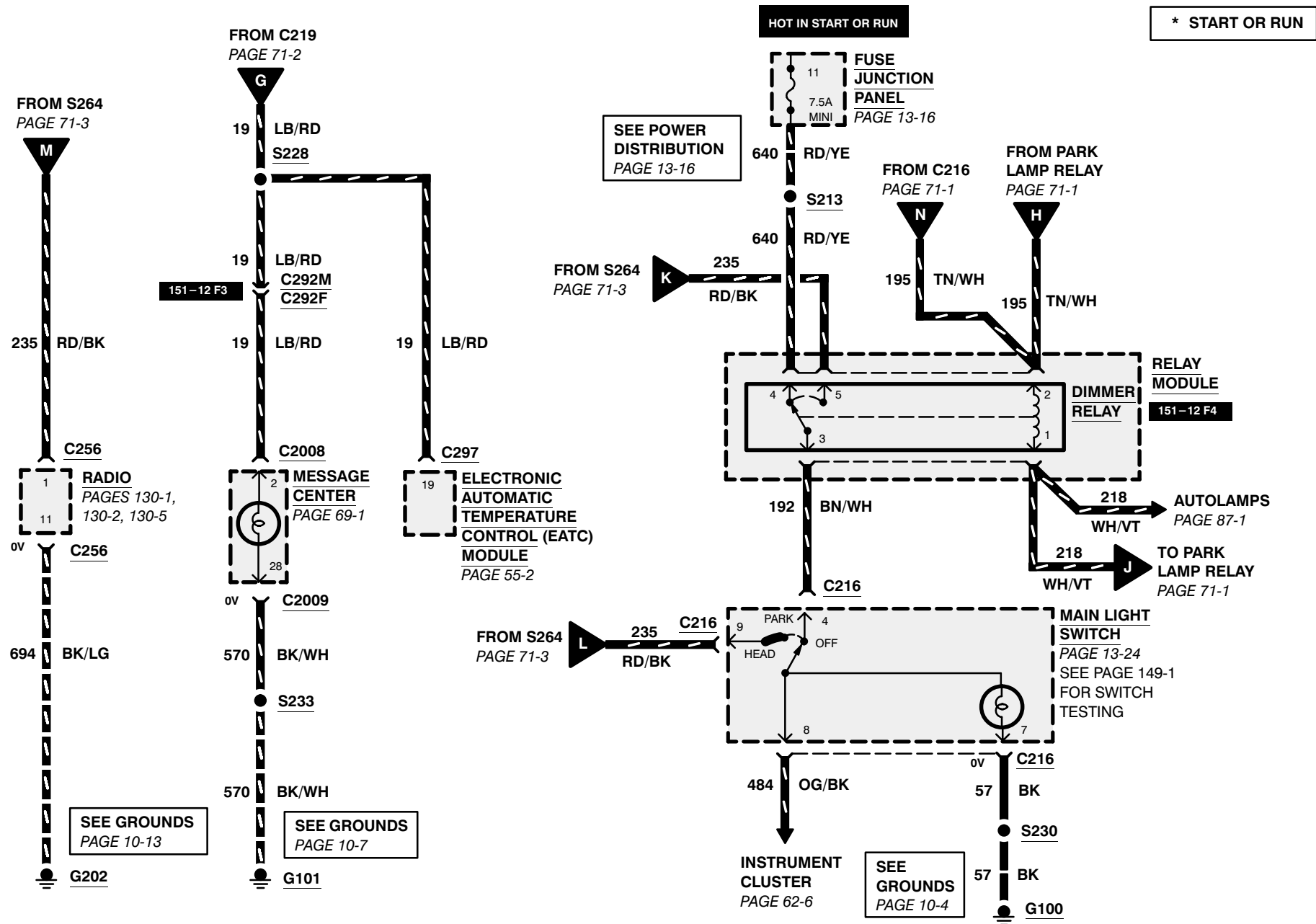
# INSTRUMENT ILLUMINATION 71-4

1999 EXPLORER/MOUNTAINEER



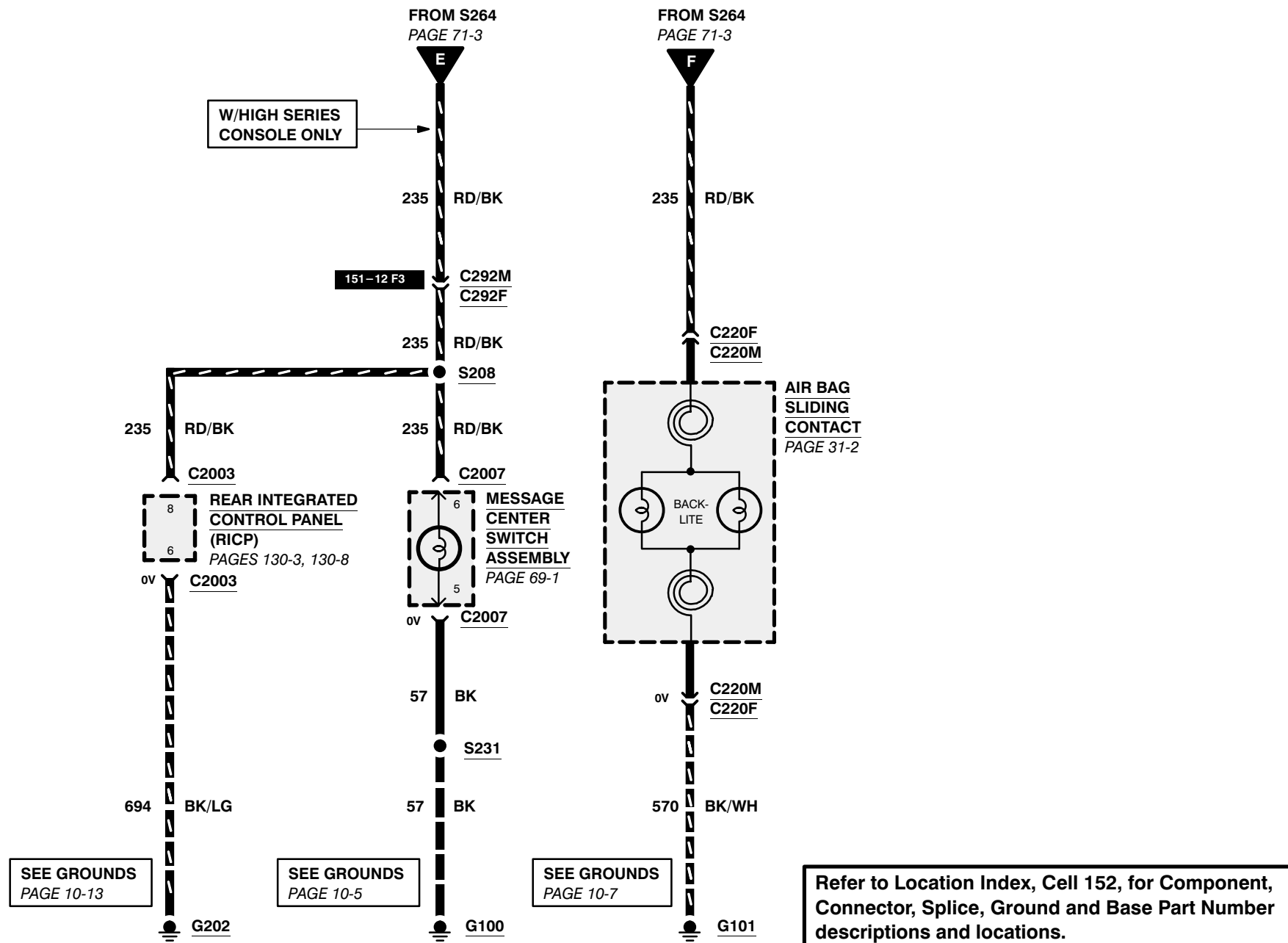
# 71-5 INSTRUMENT ILLUMINATION

1999 EXPLORER/MOUNTAINEER



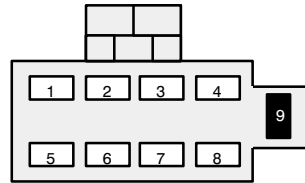
# INSTRUMENT ILLUMINATION 71-6

1999 EXPLORER/MOUNTAINEER



# 71-7 INSTRUMENT ILLUMINATION

1999 EXPLORER/MOUNTAINEER



**C219 (GRAY)  
DIMMER MODULE**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                |
|-----|-------------|---------------------------------|
| 1   | 705 (LG/OG) | Battery Saver Relay Input       |
| 2   | 402 (OG/LG) | Interior Lamp Relay Feed        |
| 3   | 53 (BK/LB)  | Dimmer Module to Courtesy Lamps |
| 4   | 55 (BK/PK)  | Dimmer Module to Power Mirrors  |
| 5   | 14 (BN)     | Park Lamp Relay Ground          |
| 6   | 19 (LB/RD)  | Instrument Illumination Feed    |
| 7   | 235 (RD/BK) | Instrument Illumination Feed    |
| 8   | 57 (BK)     | Ground                          |
| 9   | —           | NOT USED                        |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C216      | 13-25        |
| C228      | 130-11       |
| C280      | 59-7         |
| C283      | 59-7         |
| C286      | 62-7         |
| C287      | 62-7         |
| C338      | 117-4        |
| C501      | 100-5        |
| C614      | 110-5        |
| C615      | 100-6        |
| C702      | 100-7        |
| C802      | 100-7        |
| C902      | 102-2        |
| C2003     | 130-19       |

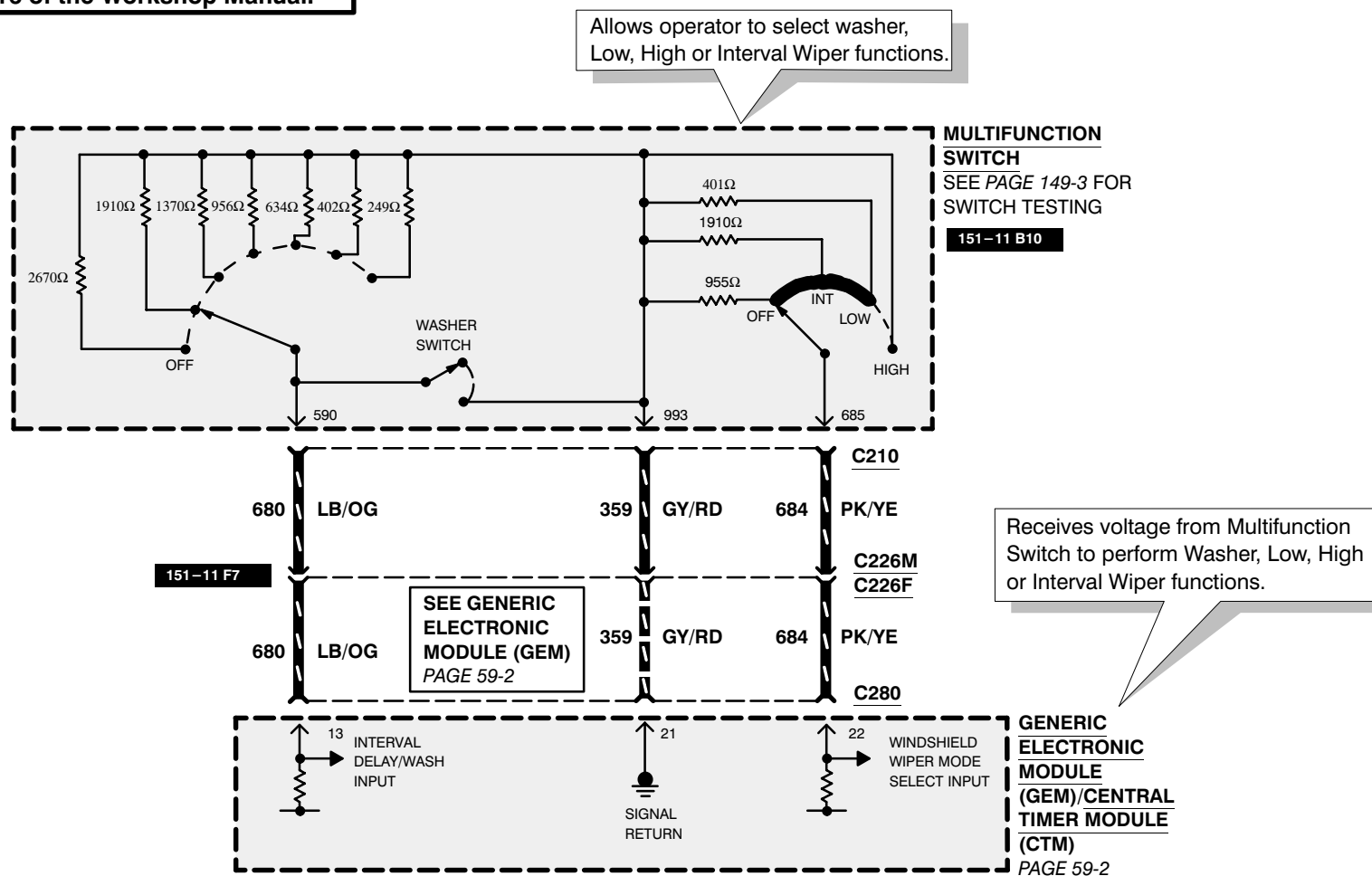
## NOTES 71-8

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 81-1 INTERVAL WIPER/WASHER

1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to the  
Section 501-16 of the Workshop Manual.

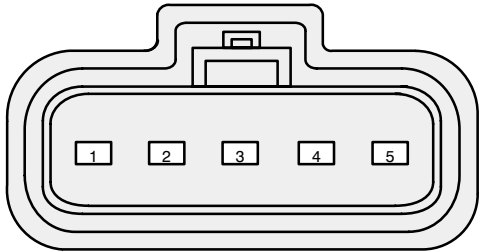


## 1999 EXPLORER/MOUNTAINEER



# 81-3    INTERVAL WIPER/WASHER

1999 EXPLORER/MOUNTAINEER



**C145 (GRAY)  
WIPER MOTOR**

| PIN | CIRCUIT    | CIRCUIT FUNCTION          |
|-----|------------|---------------------------|
| 1   | 671 (BK)   | Wiper Park Switch Input   |
| 2   | 63 (RD)    | Power (Hot in Acc or Run) |
| 3   | 57 (BK)    | Ground                    |
| 4   | 58 (WH)    | Low Speed Input           |
| 5   | 56 (DB/OG) | High Speed Input          |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C210      | 85-2         |
| C280      | 59-7         |

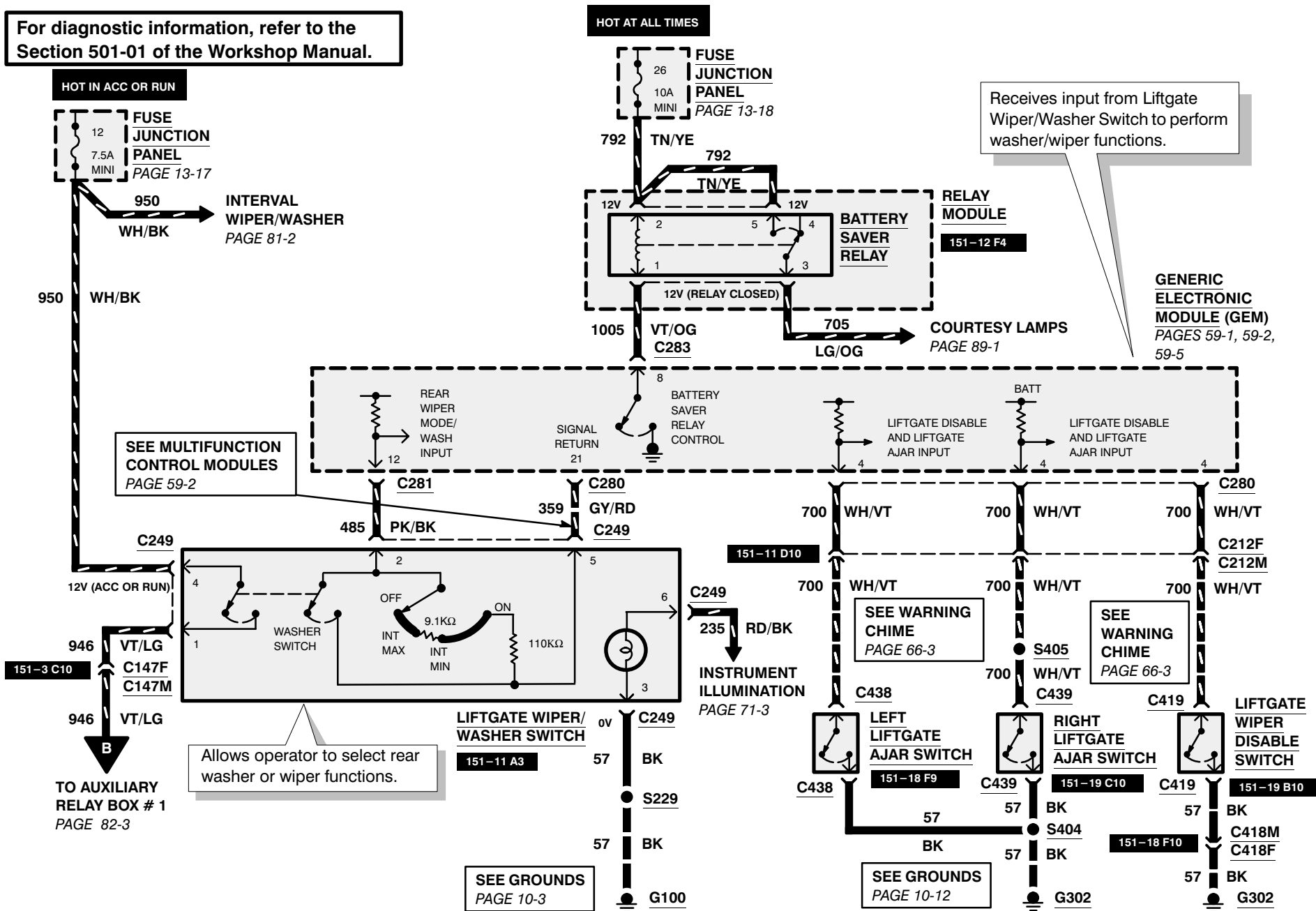
**NOTES 81-4**

## 1999 EXPLORER/MOUNTAINEER

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

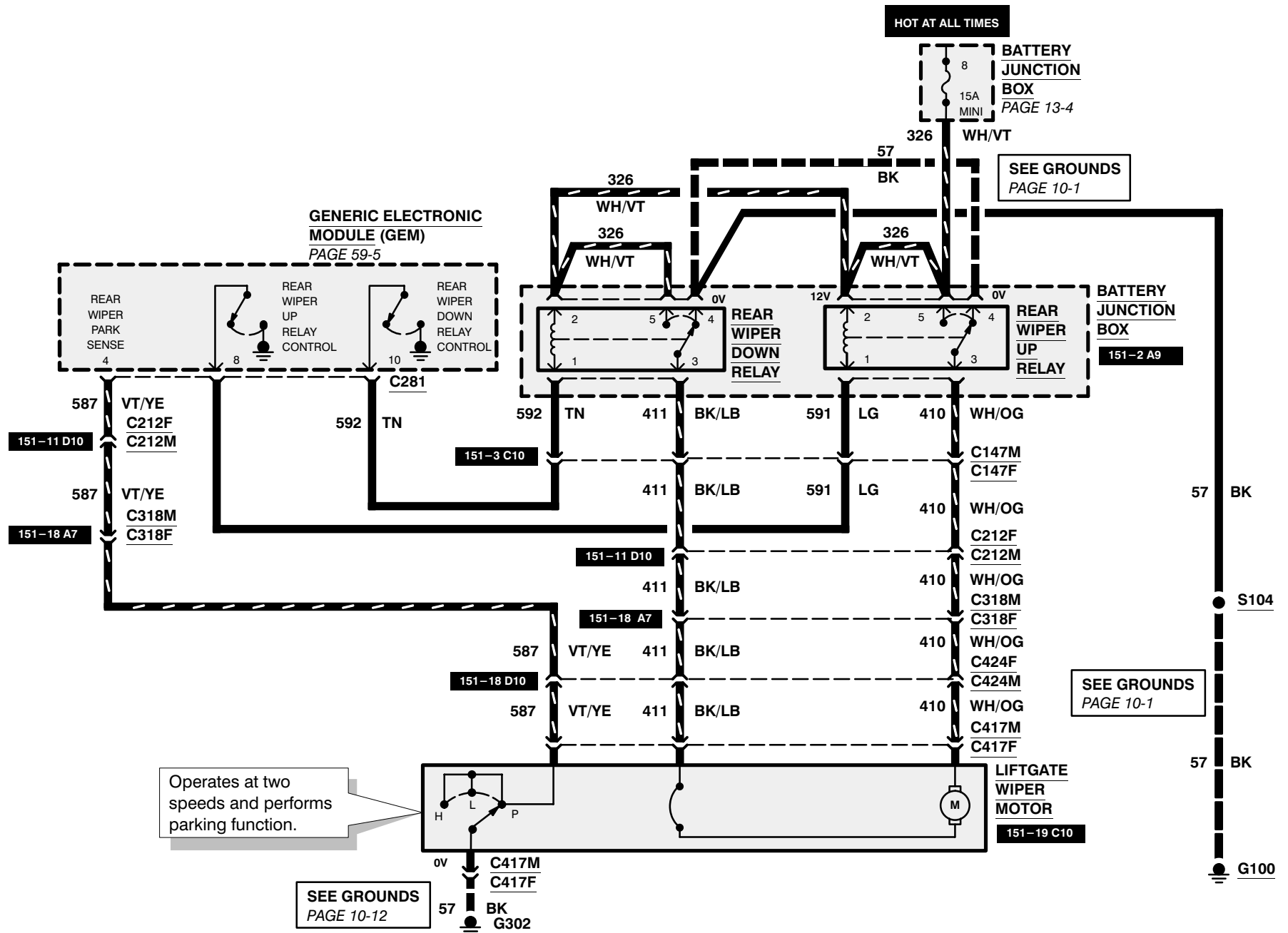
## 1999 EXPLORER/MOUNTAINEER

**For diagnostic information, refer to the  
Section 501-01 of the Workshop Manual.**



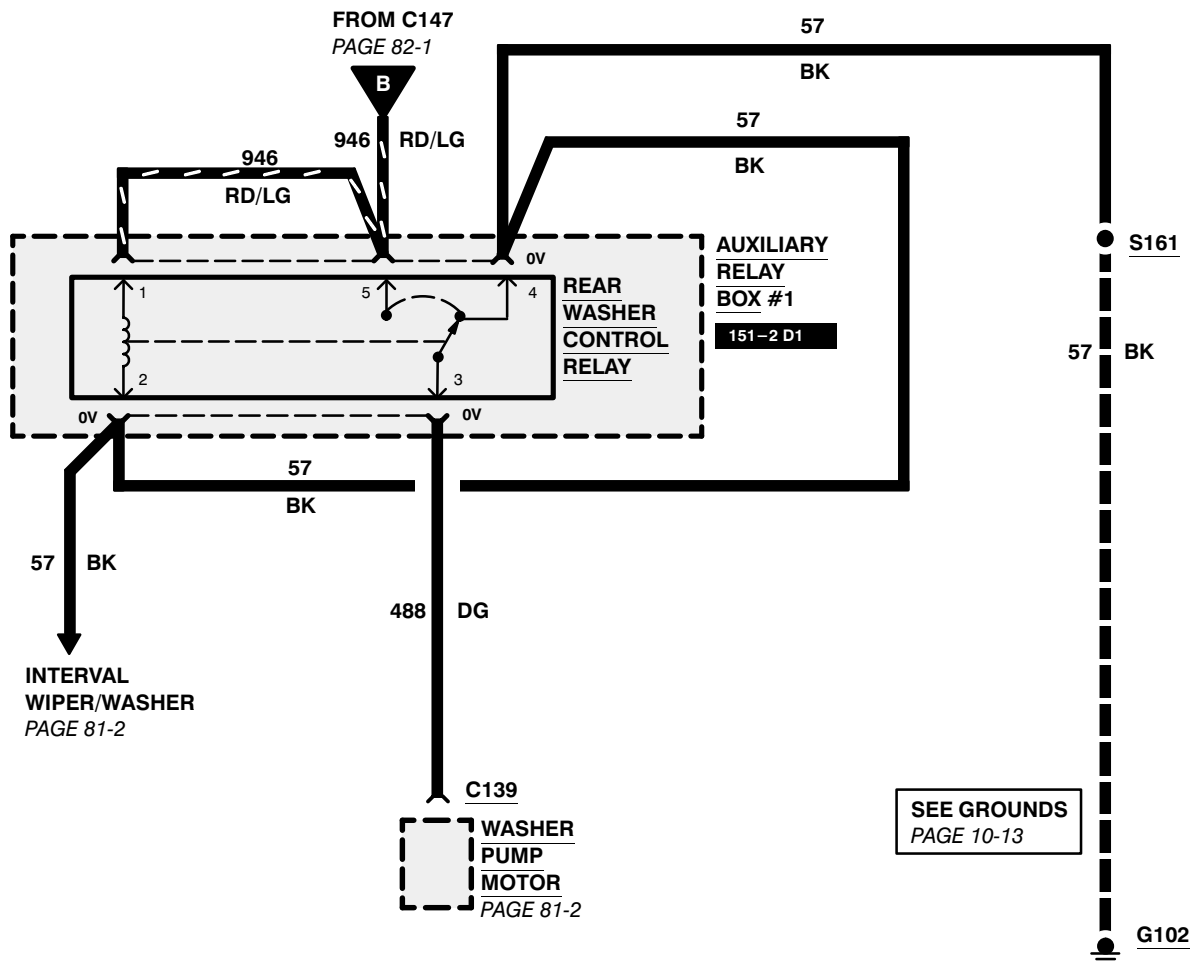
# LIFTGATE WIPER/WASHER 82-2

1999 EXPLORER/MOUNTAINEER



# 82-3 LIFTGATE WIPER/WASHER

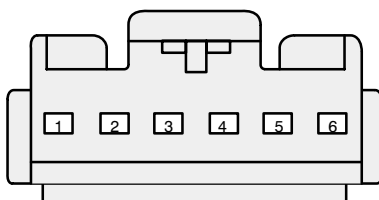
1999 EXPLORER/MOUNTAINEER



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

# LIFTGATE WIPER/WASHER 82-4

1999 EXPLORER/MOUNTAINEER



**C249**  
**LIFTGATE WIPER/WASHER SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION             |
|-----|-------------|------------------------------|
| 1   | 946 (VT/LG) | Liftgate Washer Pump Output  |
| 2   | 485 (PK/BK) | Liftgate Mode Switch Input   |
| 3   | 57 (BK)     | Ground                       |
| 4   | 950 (WH/BK) | Ignition (Hot in Acc or Run) |
| 5   | 359 (GY/RD) | Signal Return                |
| 6   | 235 (RD/BK) | Switch Illumination          |

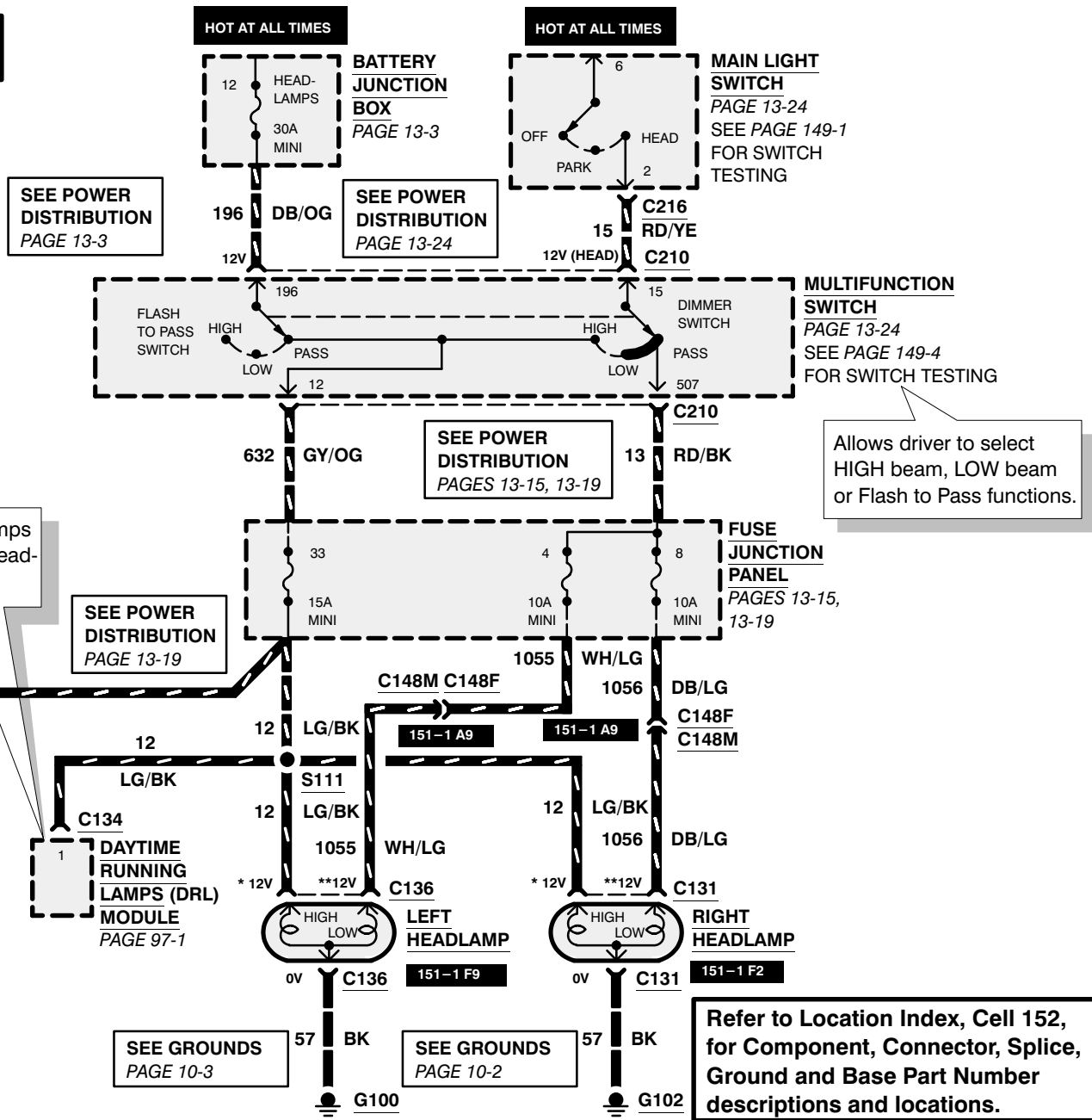
## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C280      | 59-7         |
| C281      | 59-8         |
| C283      | 59-7         |

## 1999 EXPLORER/MOUNTAINEER

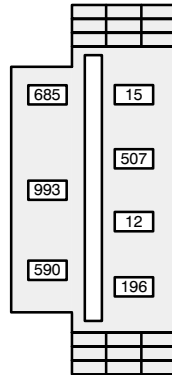
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**Refer to Location Index, Cell 152,  
for Component, Connector, Splice,  
Ground and Base Part Number  
descriptions and locations.**



# HEADLAMPS (WITHOUT AUTOLAMPS) 85-2

1999 EXPLORER/MOUNTAINEER



**C210**  
**MULTIFUNCTION SWITCH**

## CONNECTOR REFERENCE LIST

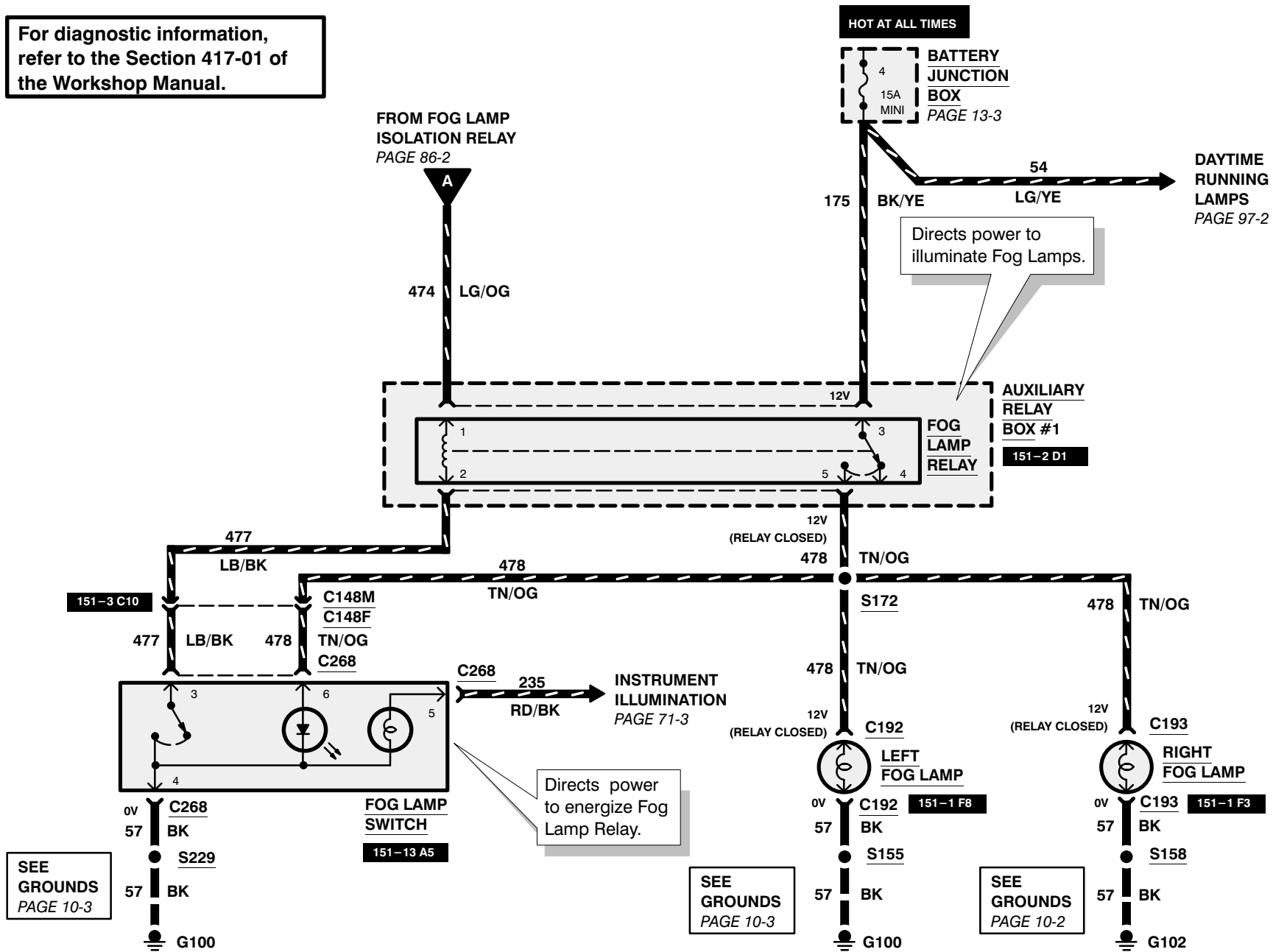
| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C216      | 13-25        |
| C280      | 59-7         |

| PIN | CIRCUIT     | CIRCUIT FUNCTION             |
|-----|-------------|------------------------------|
| 685 | 684 (PK/YE) | Mode Select Input            |
| 15  | 15 (RD/YE)  | Power (Hot in Head)          |
| 507 | 13 (RD/BK)  | Dimmer to Low Beams          |
| 993 | 359 (GY/RD) | Signal Return                |
| 12  | 632 (GY/OG) | Dimmer to High Beams         |
| 590 | 680 (LB/OG) | Interval Delay               |
| 196 | 196 (DB/OG) | Power (Hot in Flash to Pass) |

# 86-1 FOG LAMPS

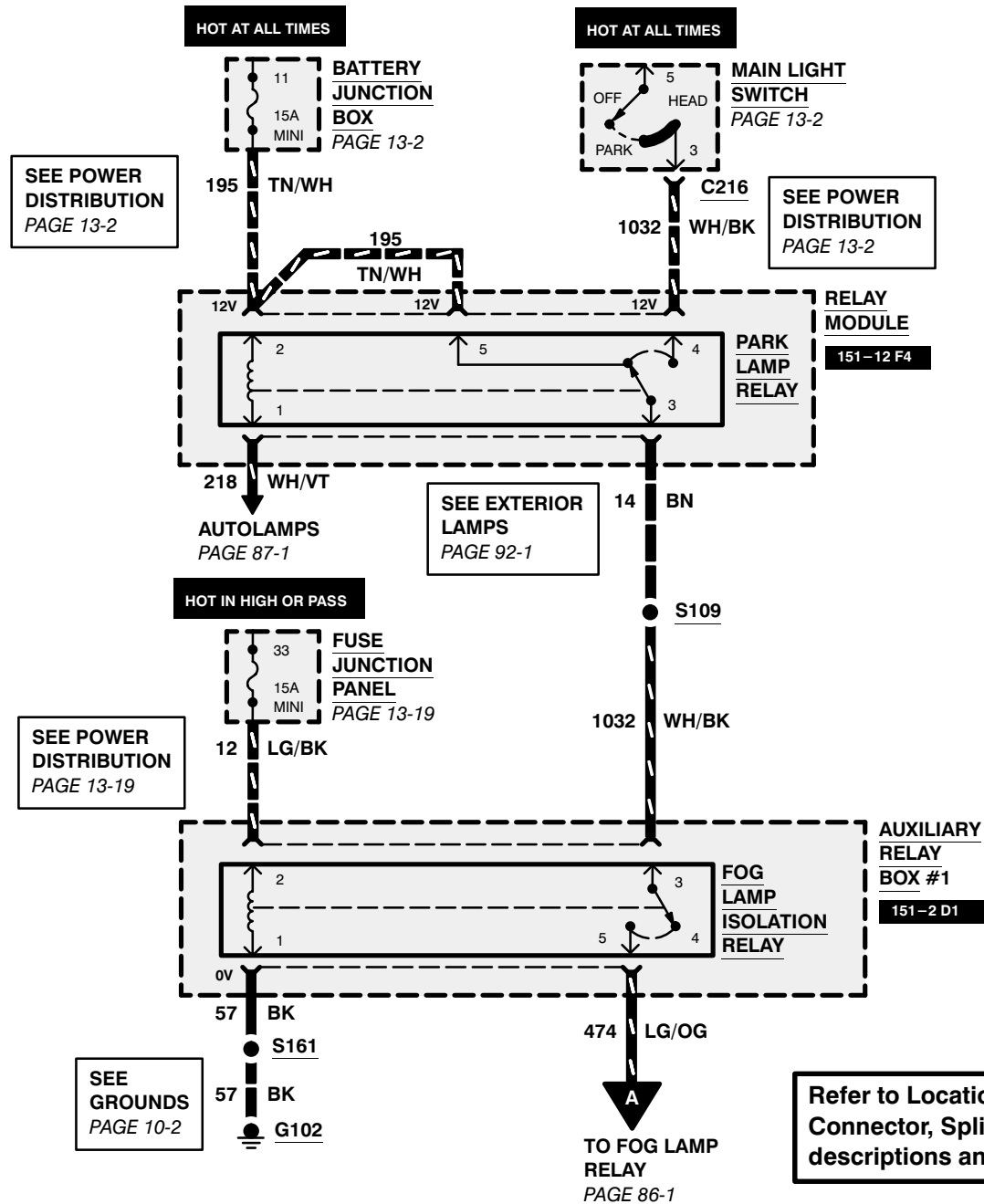
1999 EXPLORER/MOUNTAINEER

For diagnostic information,  
refer to the Section 417-01 of  
the Workshop Manual.



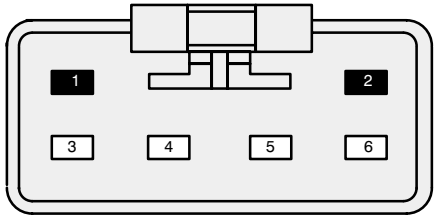
# FOG LAMPS 86-2

1999 EXPLORER/MOUNTAINEER



# 86-3 FOG LAMPS

1999 EXPLORER/MOUNTAINEER



**C268**  
**FOG LAMP SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION       |
|-----|-------------|------------------------|
| 1   | —           | NOT USED               |
| 2   | —           | NOT USED               |
| 3   | 477 (LB/BK) | Fog Lamp ON/OFF Switch |
| 4   | 57 (BK)     | Ground                 |
| 5   | 235 (RD/BK) | Switch Illumination    |
| 6   | 478 (TN/OG) | Switch Indicator Input |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C216      | 13-25        |

**NOTES 86-4**

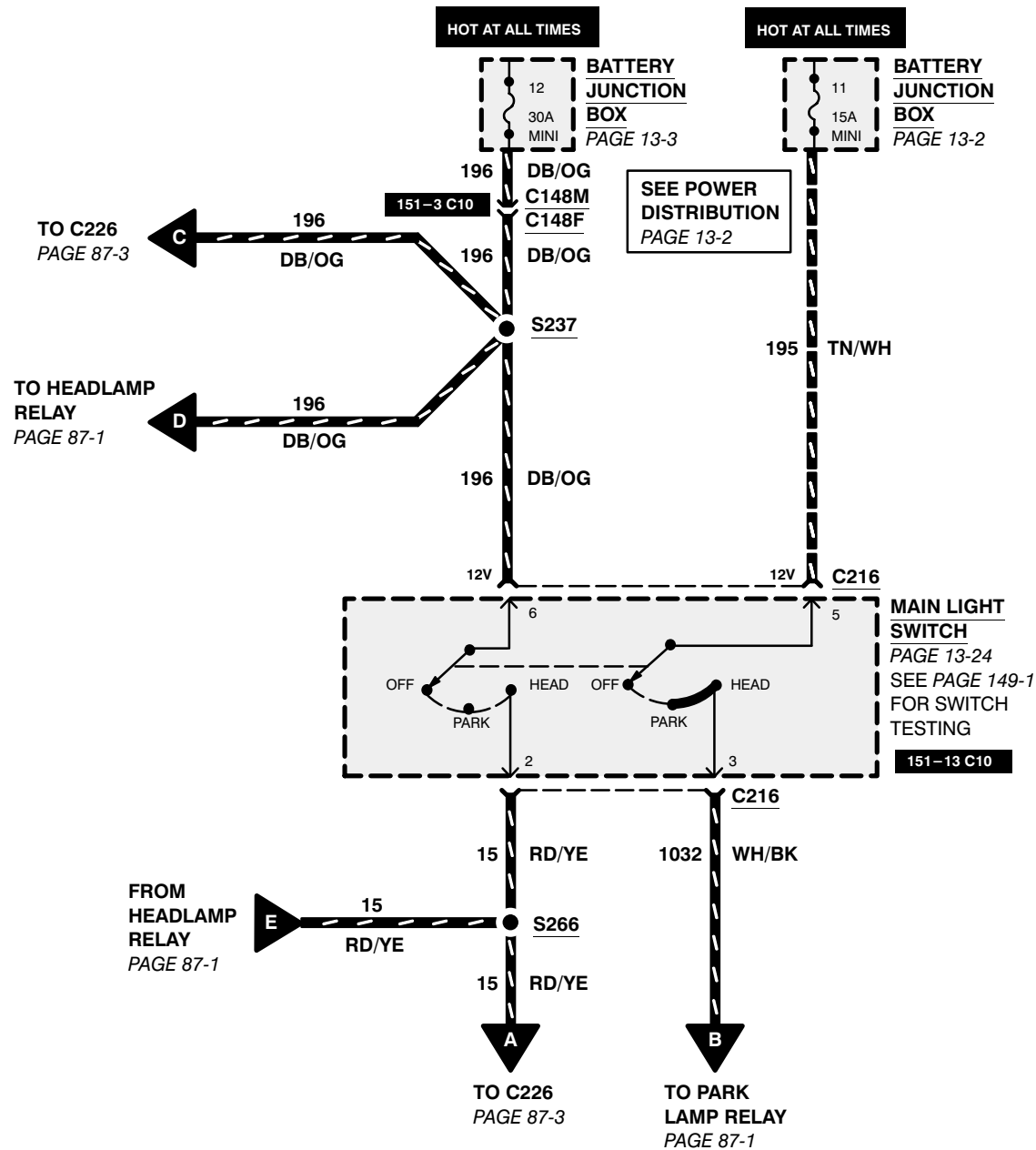
**1999 EXPLORER/MOUNTAINEER**[illegible]

## 1999 EXPLORER/MOUNTAINEER

[illegible]

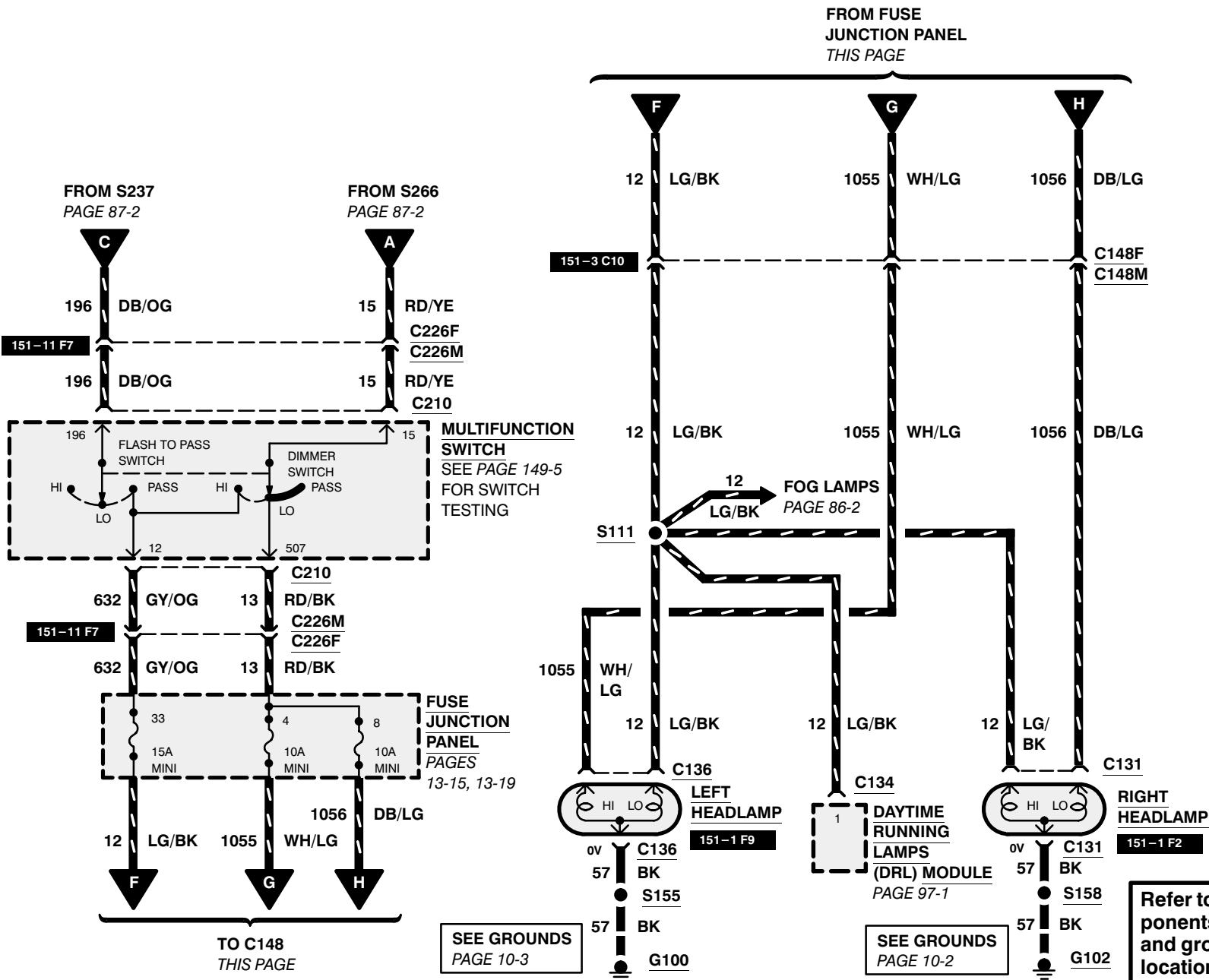
# AUTOLAMPS 87-2

1999 EXPLORER/MOUNTAINEER



# 87-3 AUTOLAMPS

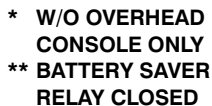
1999 EXPLORER/MOUNTAINEER



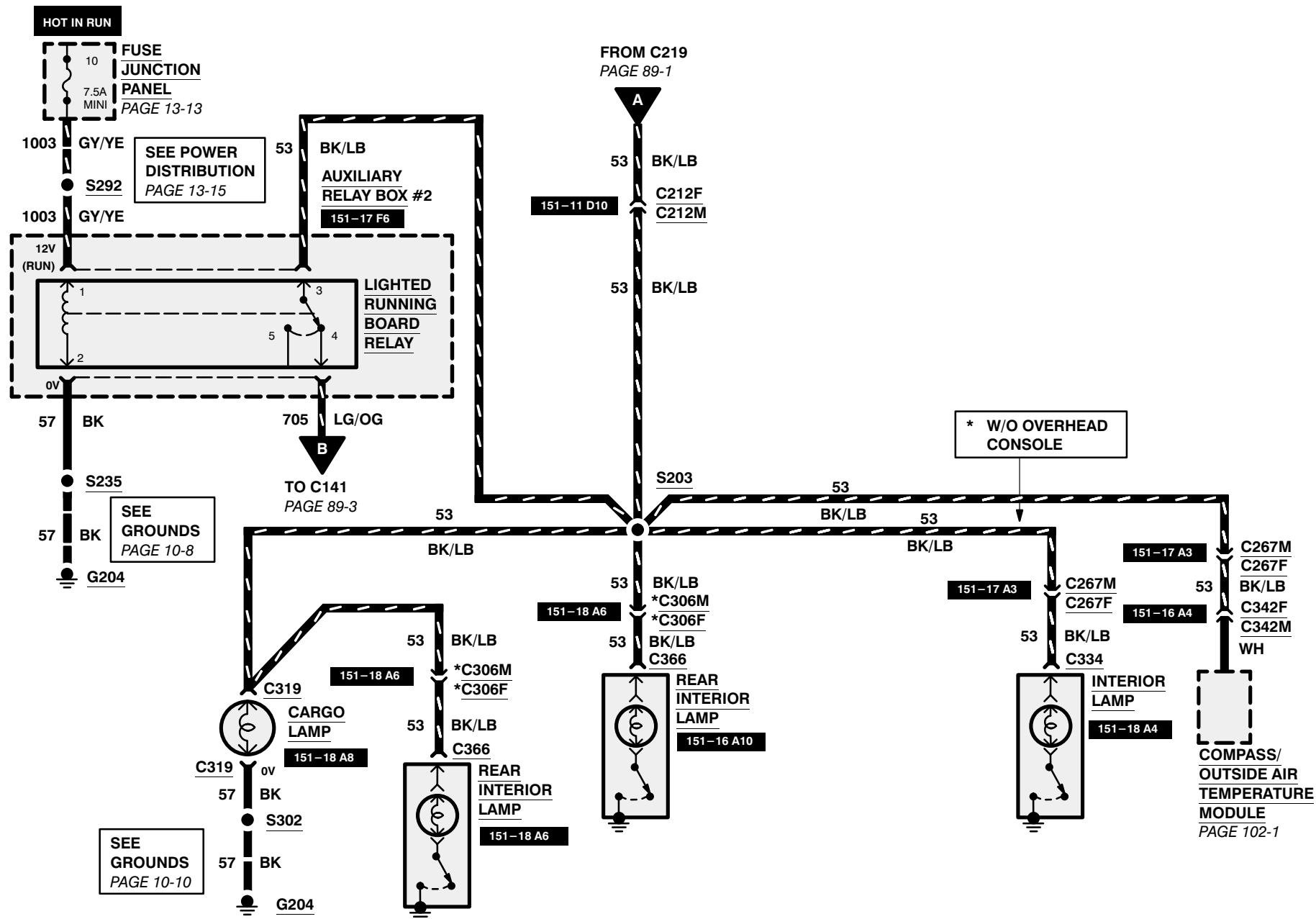
## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C210      | 85-2         |
| C216      | 13-25        |
| C280      | 59-7         |
| C341      | 125-3        |

## 1999 EXPLORER/MOUNTAINEER

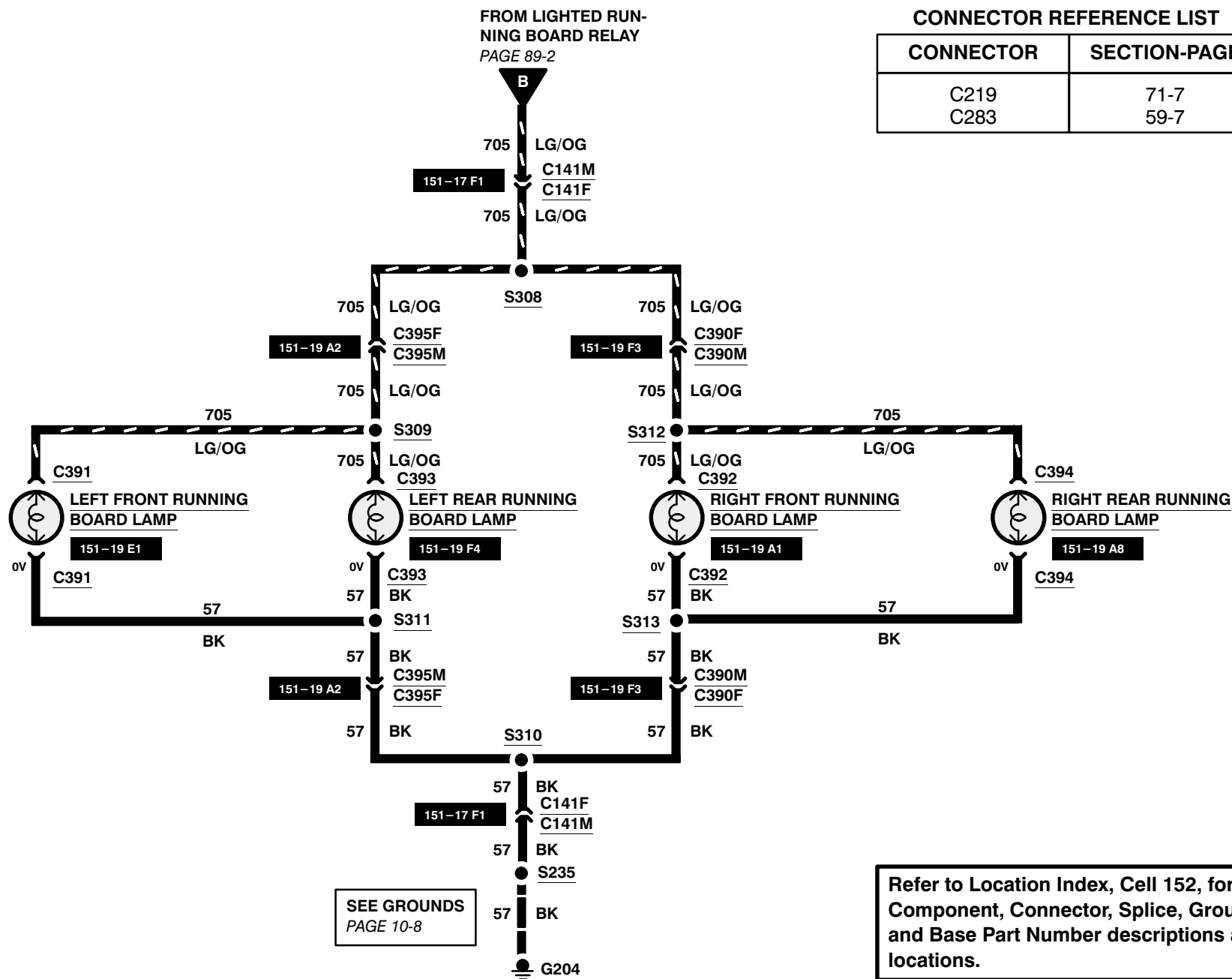


## 1999 EXPLORER/MOUNTAINEER



# 89-3 COURTESY LAMPS

1999 EXPLORER/MOUNTAINEER



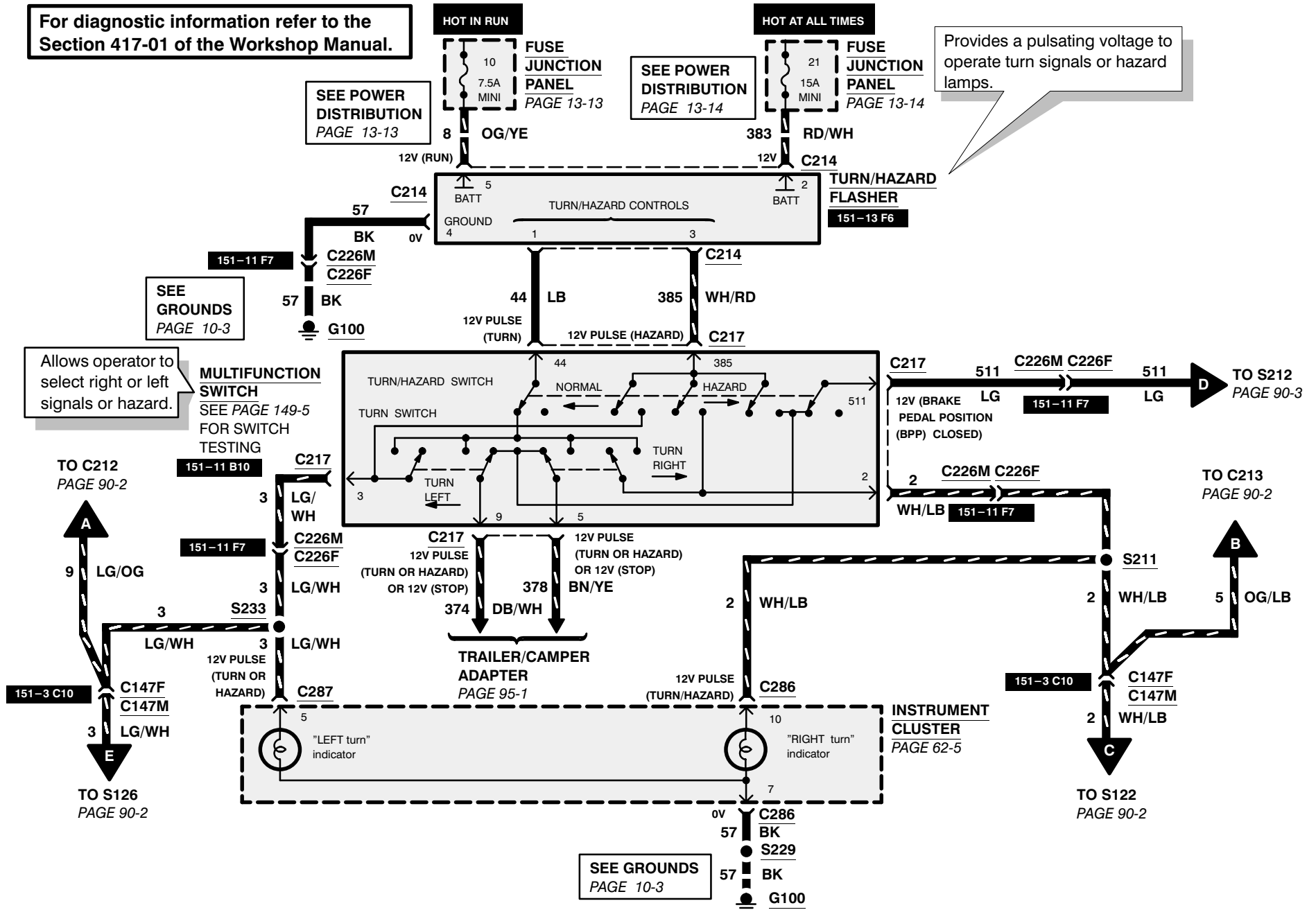
**NOTES 89-4**

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 90-1 TURN/STOP/HAZARD LAMPS

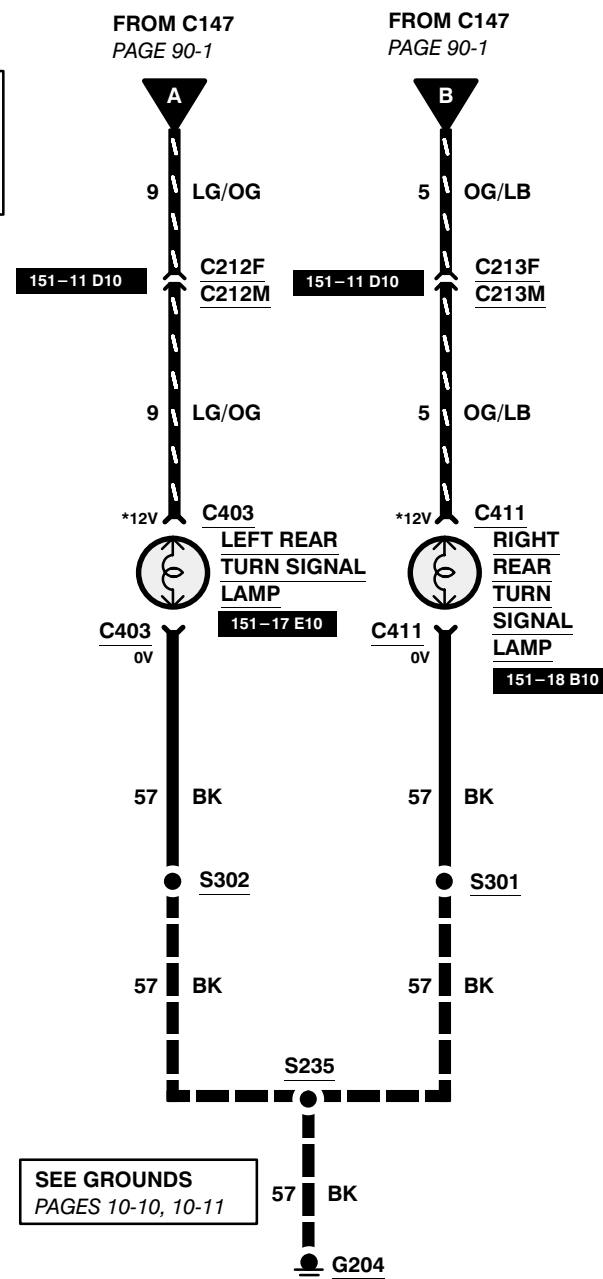
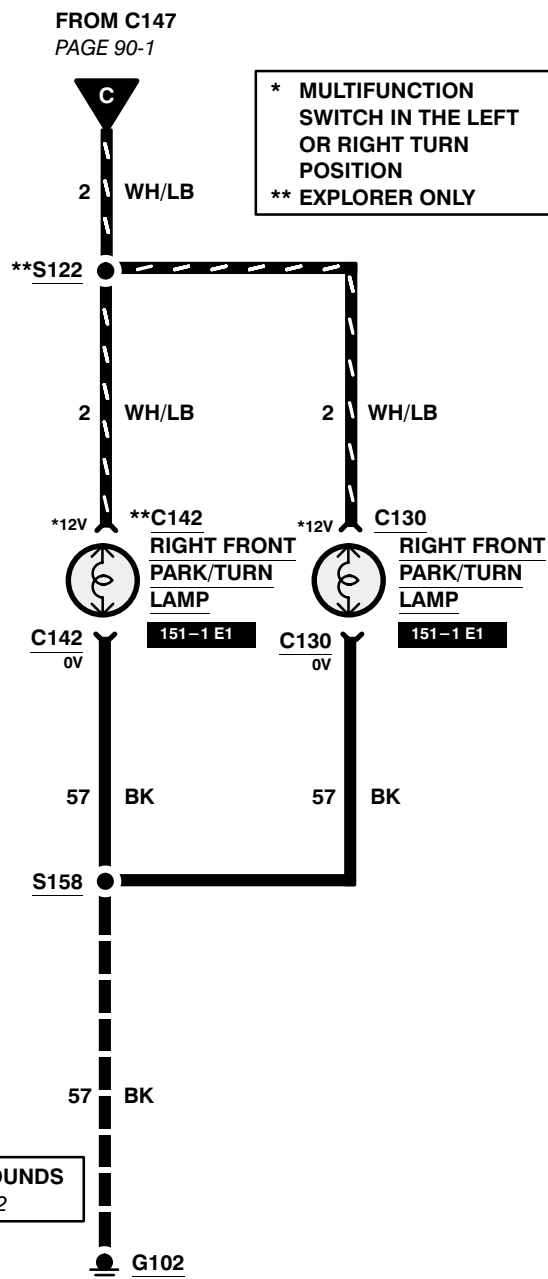
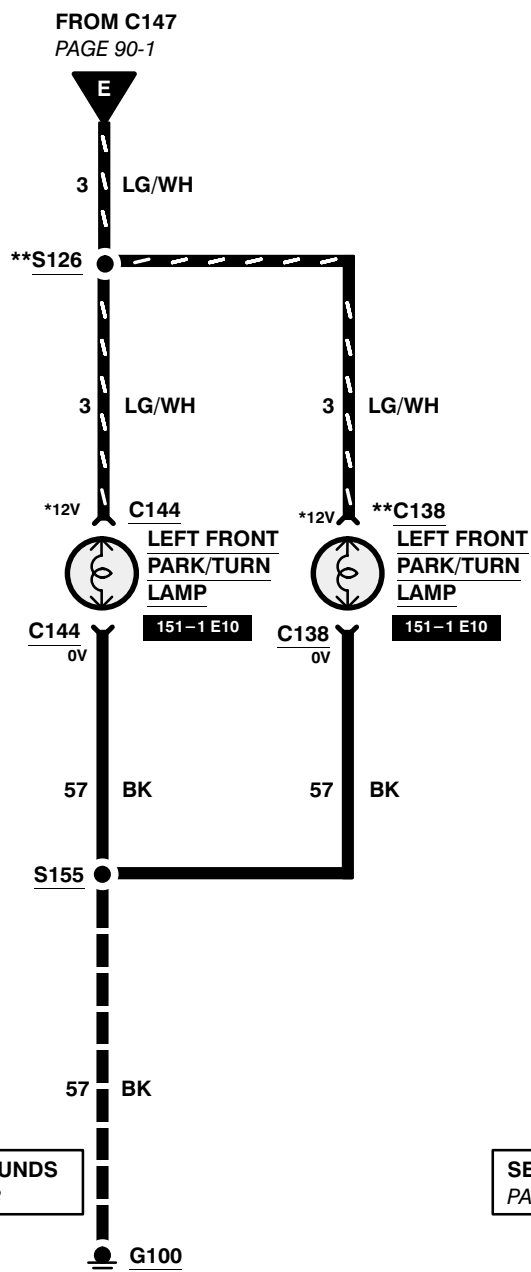
1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to the Section 417-01 of the Workshop Manual.



# TURN/STOP/HAZARD LAMPS 90-2

1999 EXPLORER/MOUNTAINEER

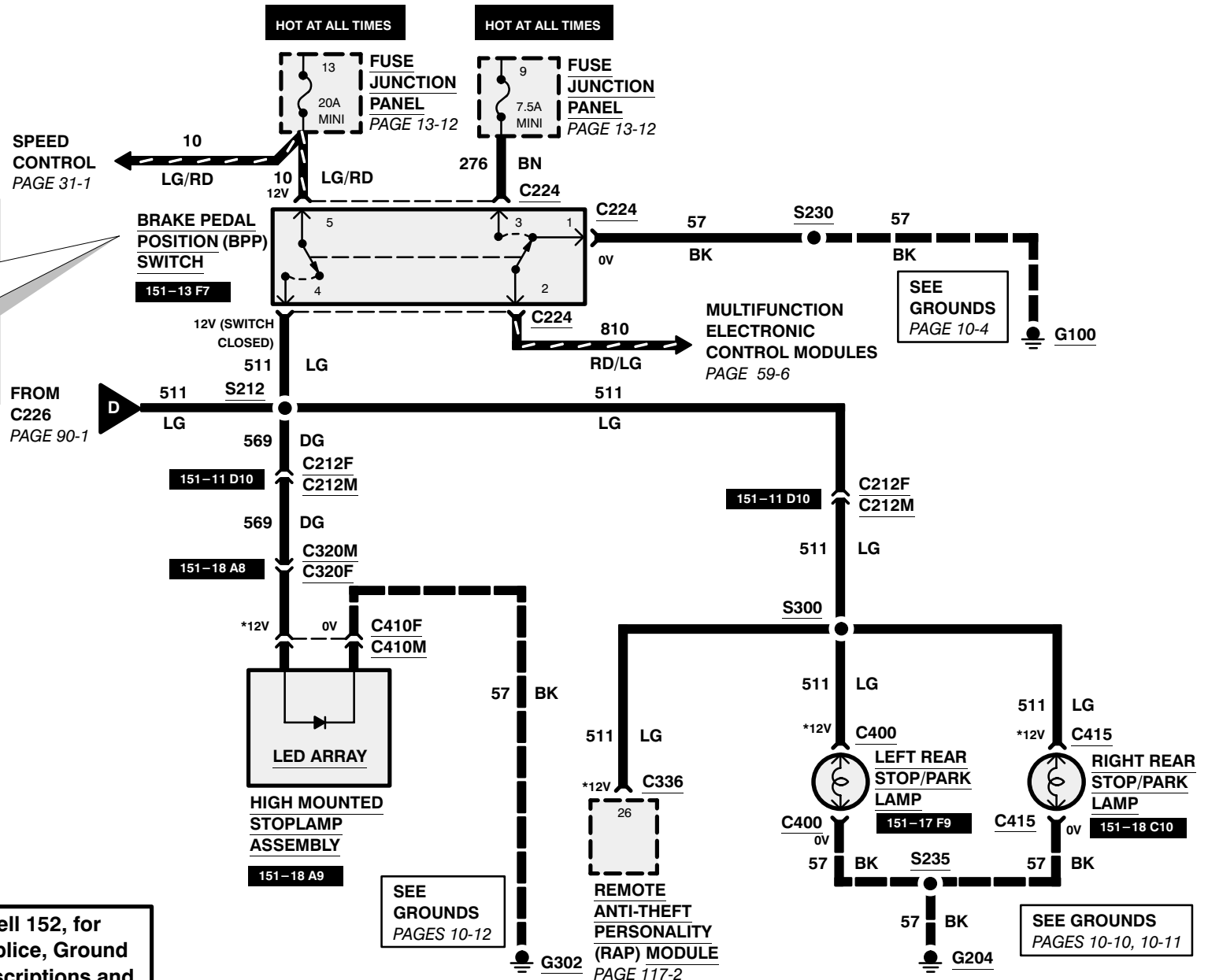


# 90-3 TURN/STOP/HAZARD LAMPS

1999 EXPLORER/MOUNTAINEER

\* BRAKE PEDAL POSITION (BPP) SWITCH CLOSED

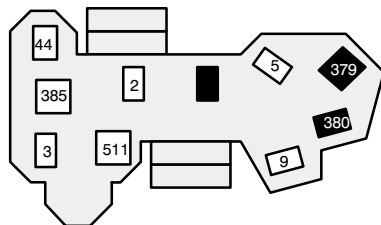
The BPP switch sends a signal to the PCM to disengage the torque converter clutch when the brake pedal is depressed. This signal may be ignored by the PCM if TP signal is above closed throttle.



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

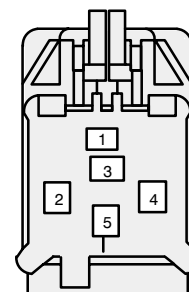
# TURN/STOP/HAZARD LAMPS 90-4

1999 EXPLORER/MOUNTAINEER



**C217 (GRAY)  
MULTIFUNCTION SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION               |
|-----|-------------|--------------------------------|
| 44  | 44 (LB)     | Flasher Input (Turn)           |
| 5   | 378 (BN/YE) | Trailer Tow Output             |
| 379 | —           | NOT USED                       |
| 385 | 385 (WH/RD) | Flasher Input (Hazard)         |
| 2   | 2 (WH/LB)   | Right Turn Indicator and Lamps |
| —   | —           | NOT USED                       |
| 380 | —           | NOT USED                       |
| 3   | 3 (LG/WH)   | Left Turn Indicator and Lamps  |
| 511 | 511 (LG)    | Stoplamp Input                 |
| 9   | 374 (DB/WH) | Trailer Tow Output             |



**C214  
TURN/HAZARD FLASHER**

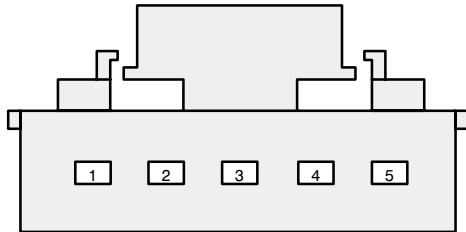
| PIN | CIRCUIT     | CIRCUIT FUNCTION         |
|-----|-------------|--------------------------|
| 1   | 44 (LB)     | Flasher Output (Turn)    |
| 2   | 383 (RD/WH) | Power (Hot at All Times) |
| 3   | 385 (WH/RD) | Flasher Output (Hazard)  |
| 4   | 57 (BK)     | Ground                   |
| 5   | 8 (OG/YE)   | Power (Hot in Run)       |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE     |
|-----------|------------------|
| C171      | 31-3             |
| C186      | 42-3             |
| C202      | 23-8, 24-9, 25-8 |
| C209      | 20-4             |
| C282      | 59-8             |
| C286      | 62-7             |
| C287      | 62-7             |
| C336      | 117-4            |
| C2001     | 41-5             |

# 90-5    TURN/STOP/HAZARD LAMPS

1999 EXPLORER/MOUNTAINEER



**C224**  
**BRAKE PEDAL POSITION (BPP) SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                         |
|-----|-------------|------------------------------------------|
| 1   | 57 (BK)     | Ground                                   |
| 2   | 810 (RD/LG) | Brake Pedal Position (BPP) Switch Output |
| 3   | 276 (BN)    | Power (Hot at All Times)                 |
| 4   | 511 (LG)    | Output to Stoplamps                      |
| 5   | 10 (LG/RD)  | Power (Hot at All Times)                 |

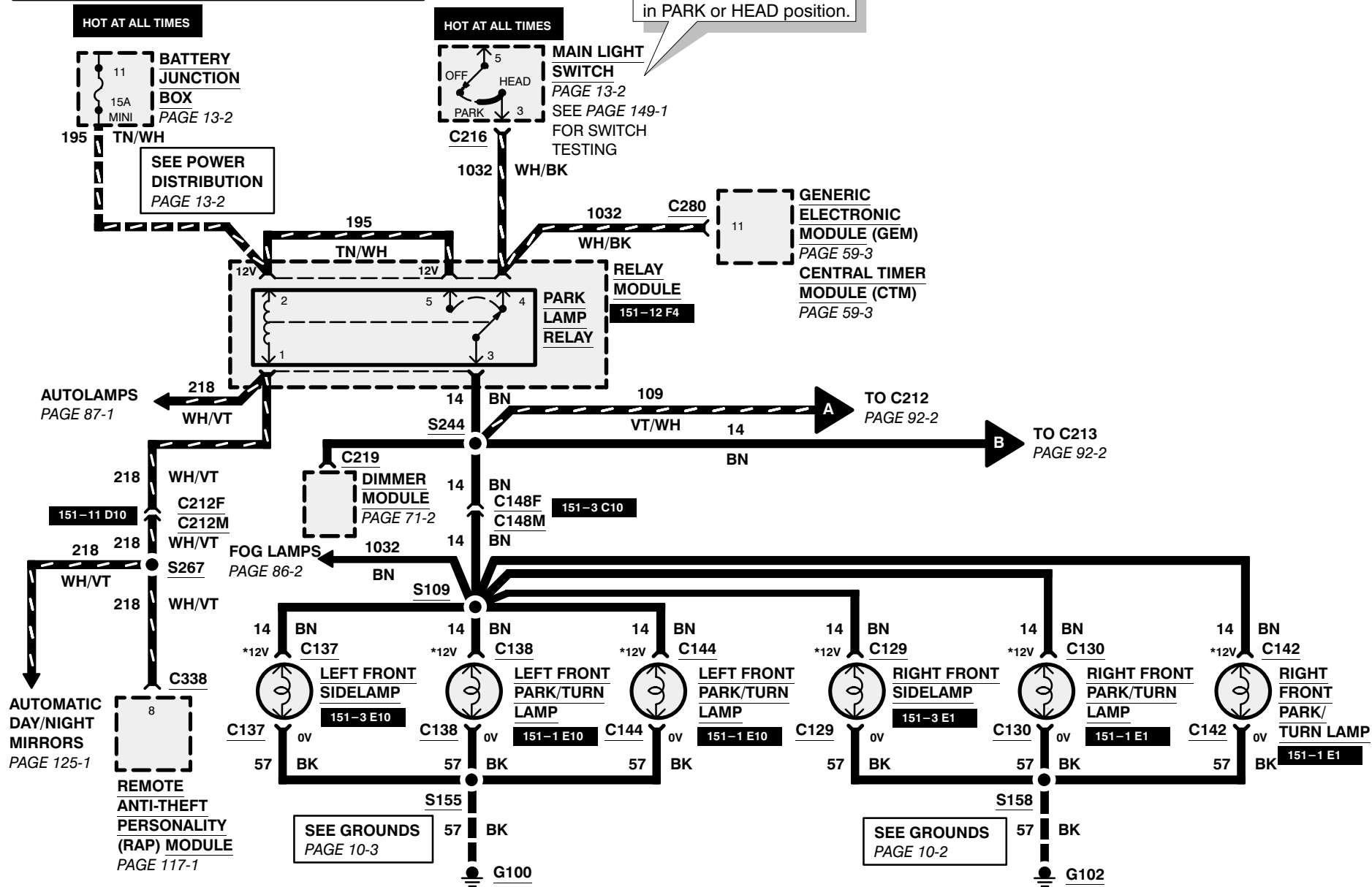
**NOTES 90-6**

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

**1999 EXPLORER/MOUNTAINEER**

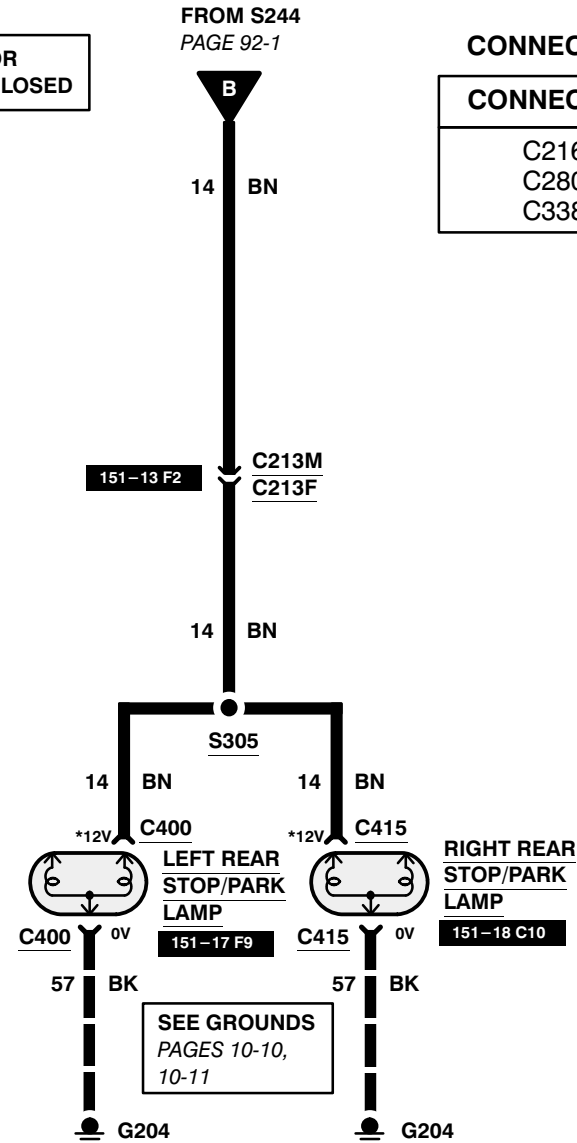
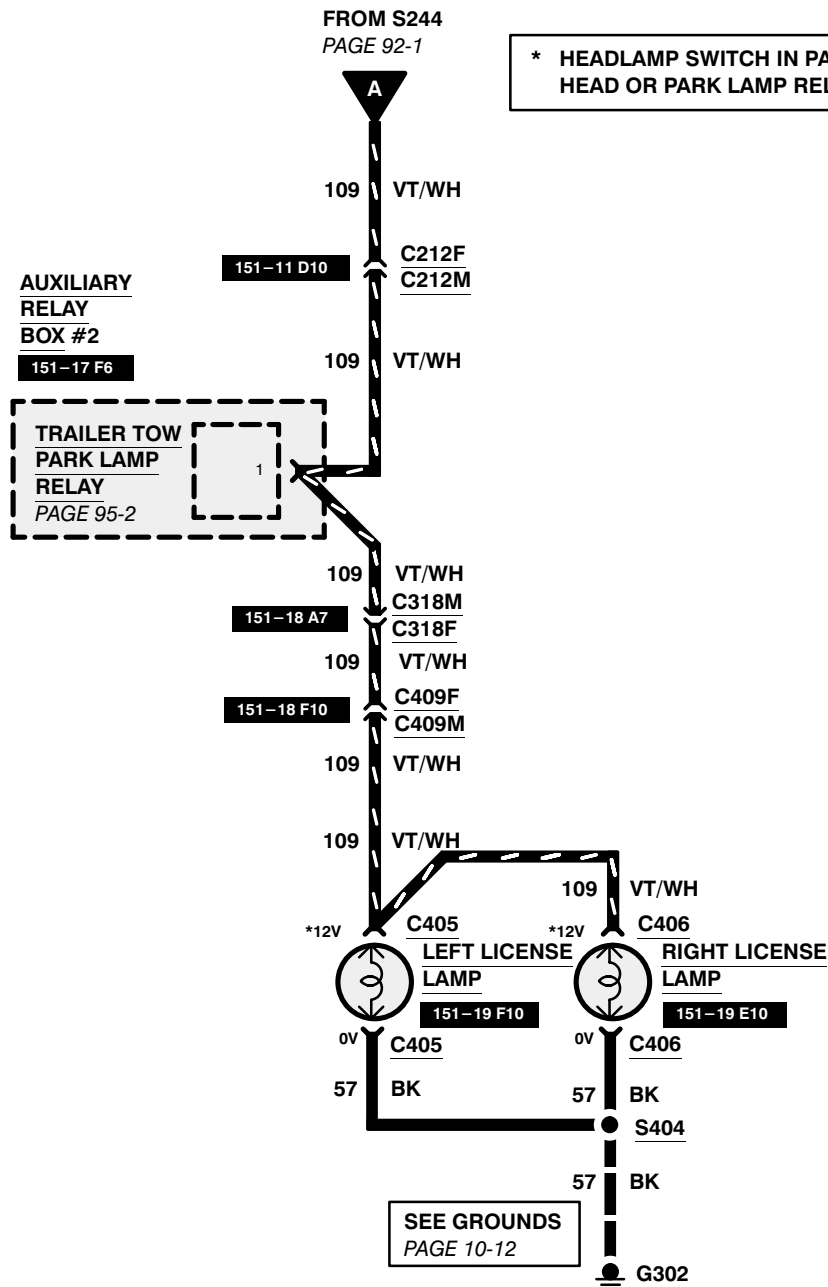
Directs current to operate exterior lamps with switch in PARK or HEAD position.

\* HEADLAMP SWITCH IN PARK OR  
HEAD OR PARK LAMP RELAY CLOSED



# EXTERIOR LAMPS 92-2

1999 EXPLORER/MOUNTAINEER



## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C216      | 13-25        |
| C280      | 59-7         |
| C338      | 117-4        |

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

# 93-1 REVERSING LAMPS

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to the Section 417-01 of the Workshop Manual.

\* 4.0L  
\*\* 5.0L

SEE POWER DISTRIBUTION  
PAGE 13-18

STARTING SYSTEM  
PAGES 20-2, 20-3

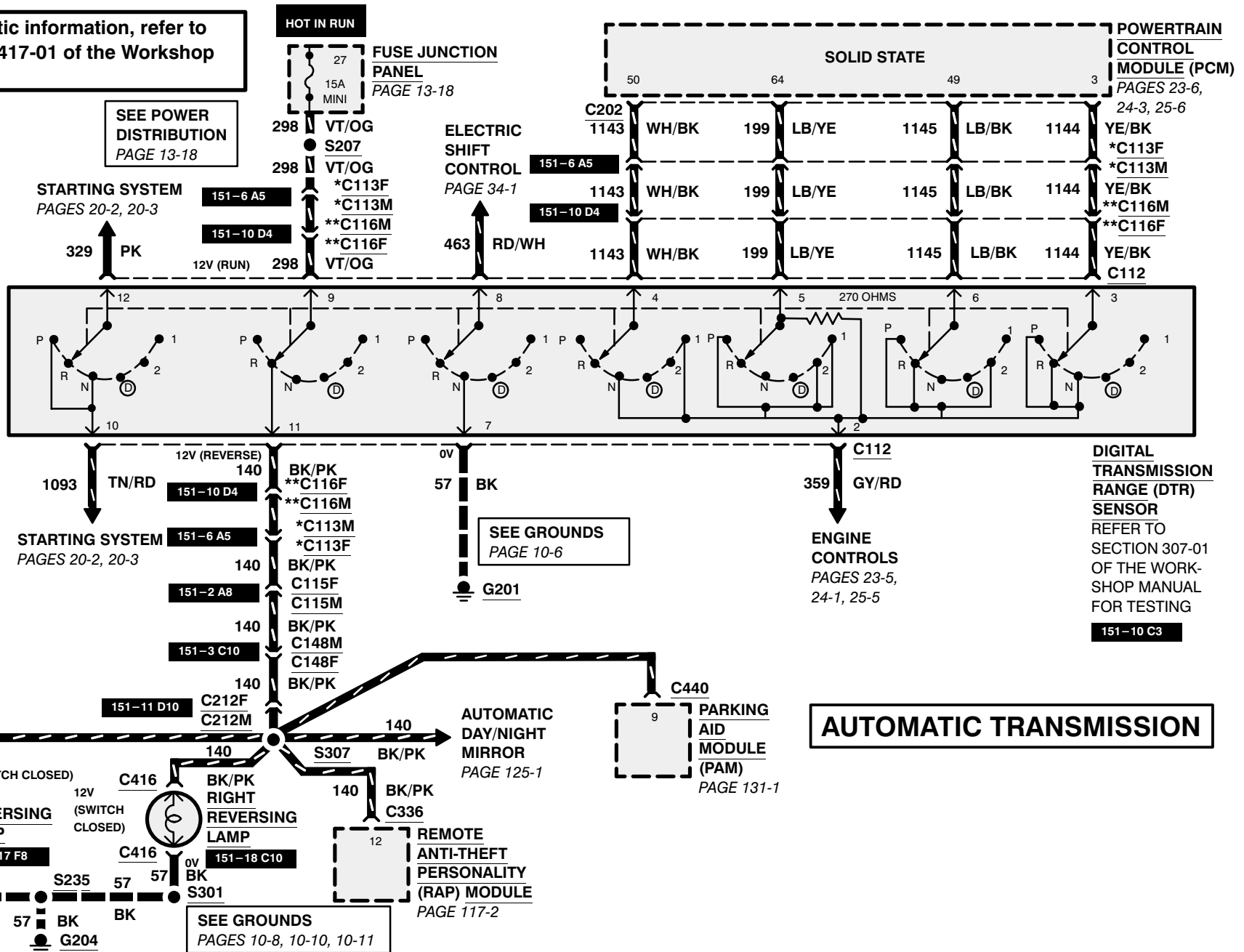
HOT IN RUN

FUSE JUNCTION  
PANEL  
PAGE 13-18

ELECTRIC  
SHIFT  
CONTROL  
PAGE 34-1

SOLID STATE

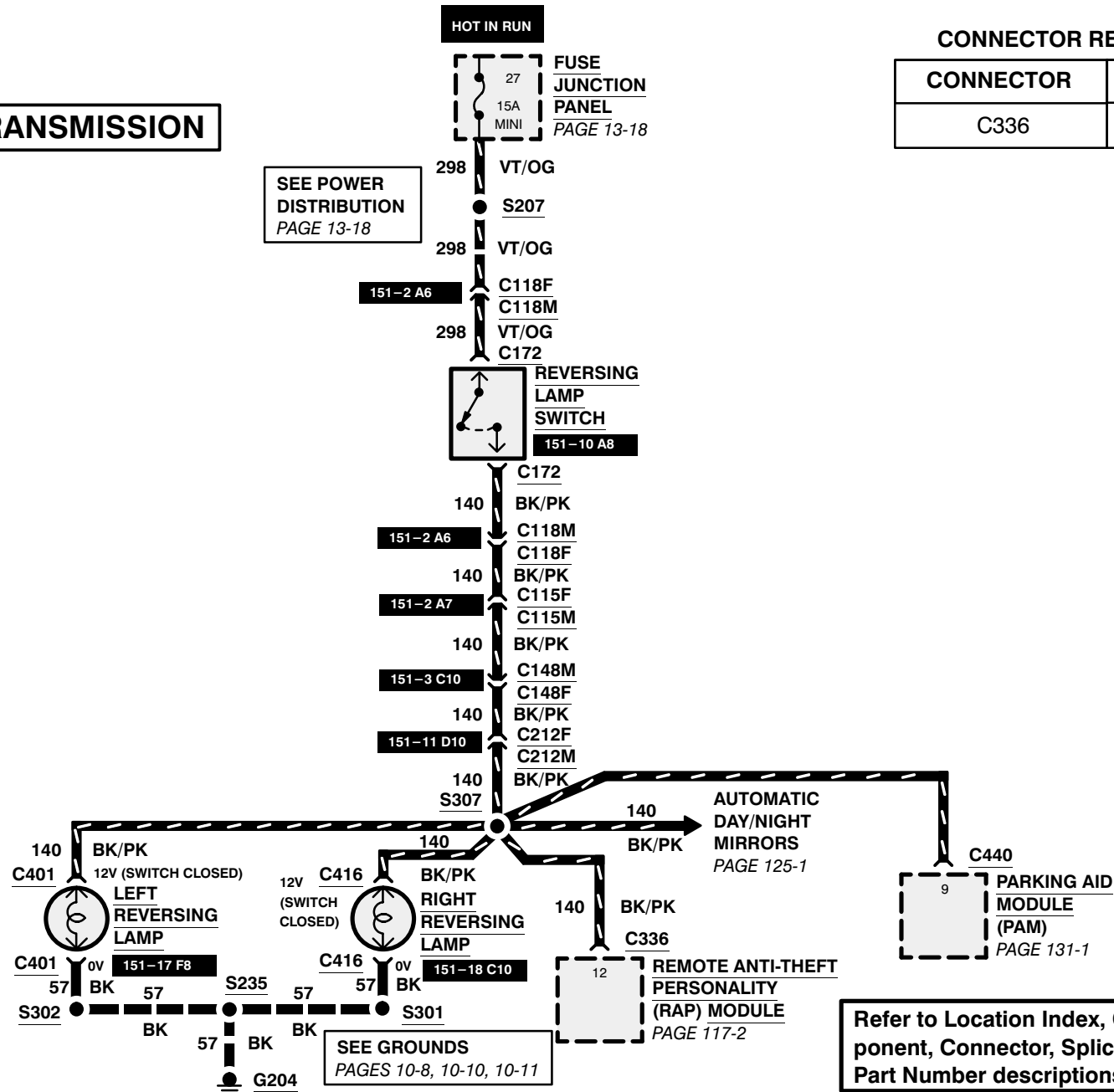
POWERTRAIN  
CONTROL  
MODULE (PCM)  
PAGES 23-6,  
24-3, 25-6



# REVERSING LAMPS 93-2

1999 EXPLORER/MOUNTAINEER

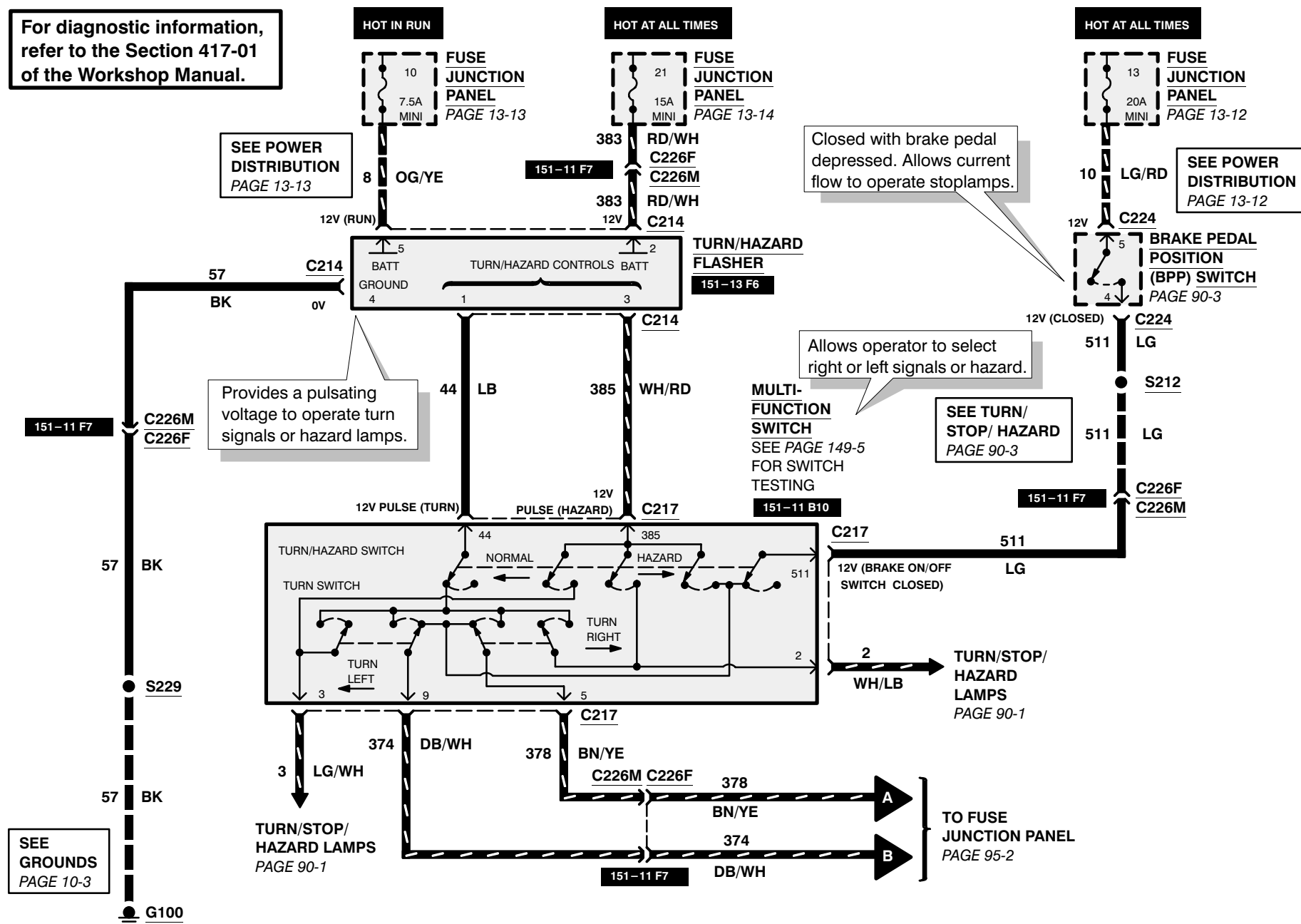
MANUAL TRANSMISSION



# 95-1 TRAILER/CAMPER ADAPTER

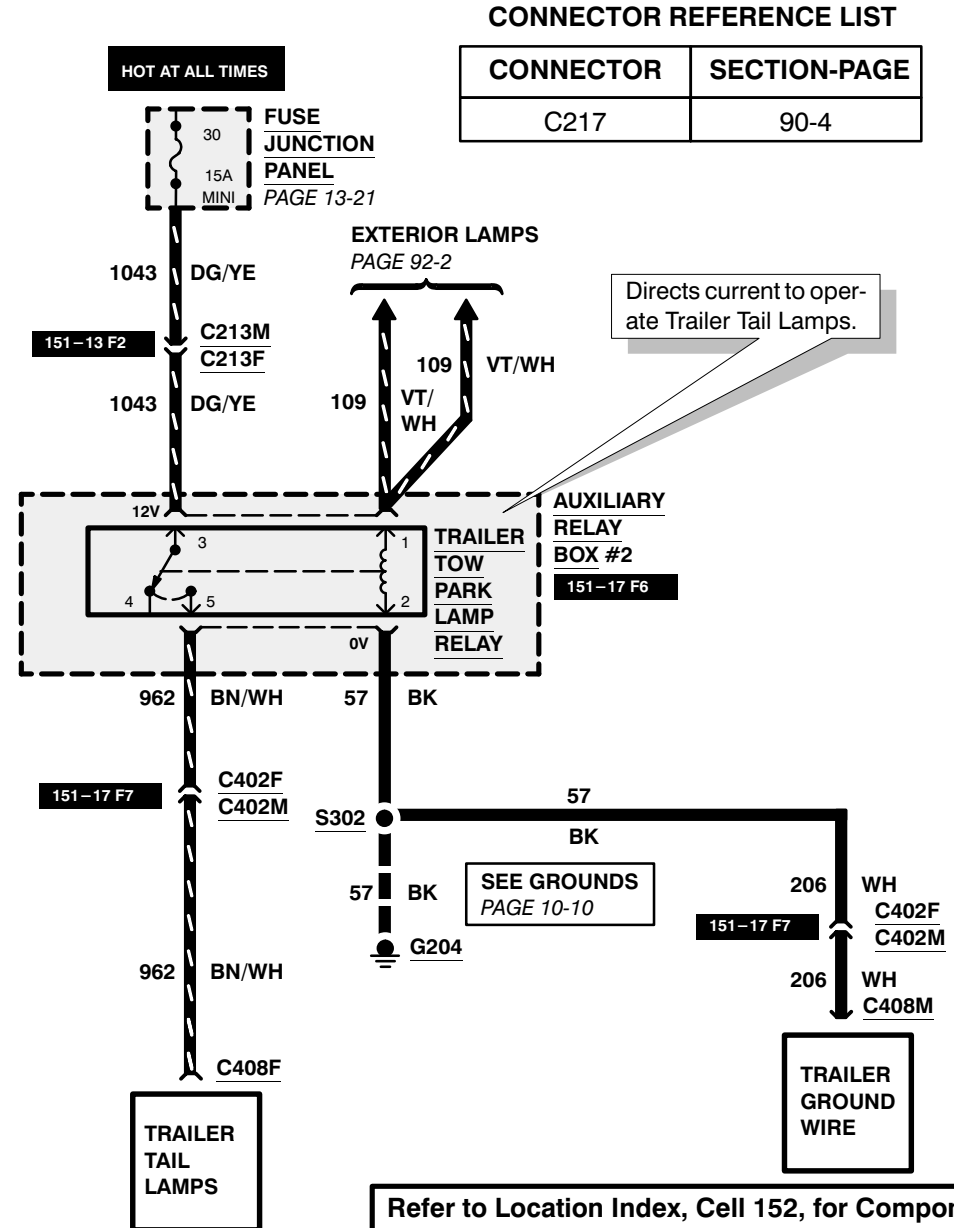
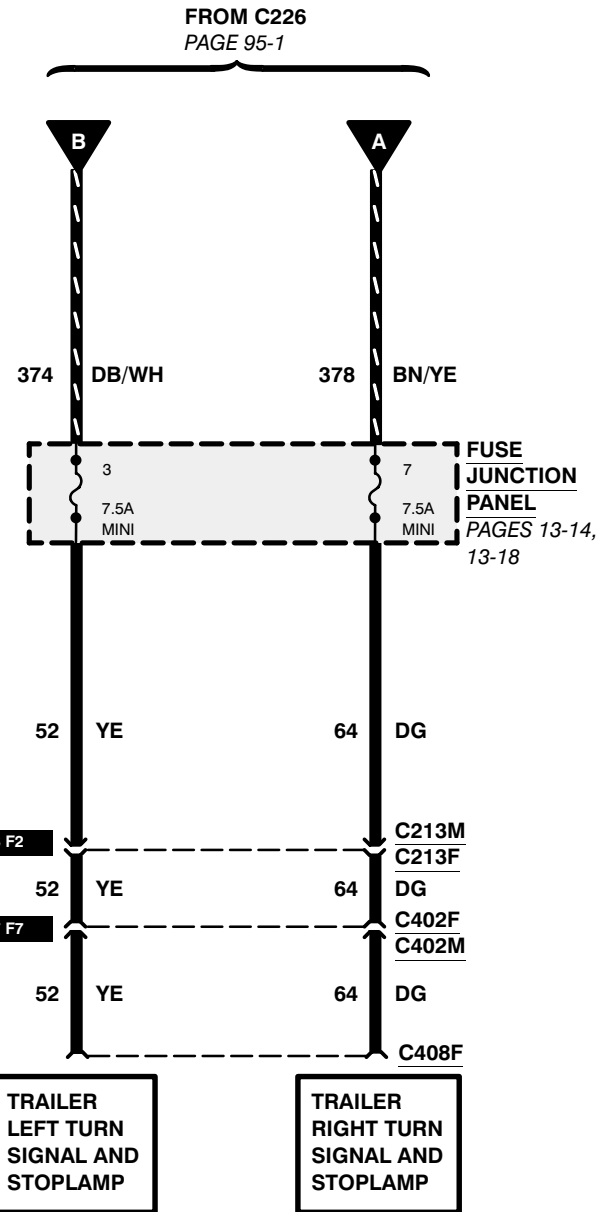
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to the Section 417-01 of the Workshop Manual.



# TRAILER/CAMPER ADAPTER 95-2

1999 EXPLORER/MOUNTAINEER



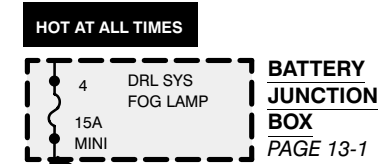
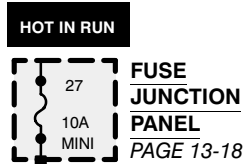
Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.

# 97-1 DAYTIME RUNNING LAMPS

1999 EXPLORER/MOUNTAINEER

For diagnostic information,  
refer to the Section 417-04  
of the Workshop Manual.

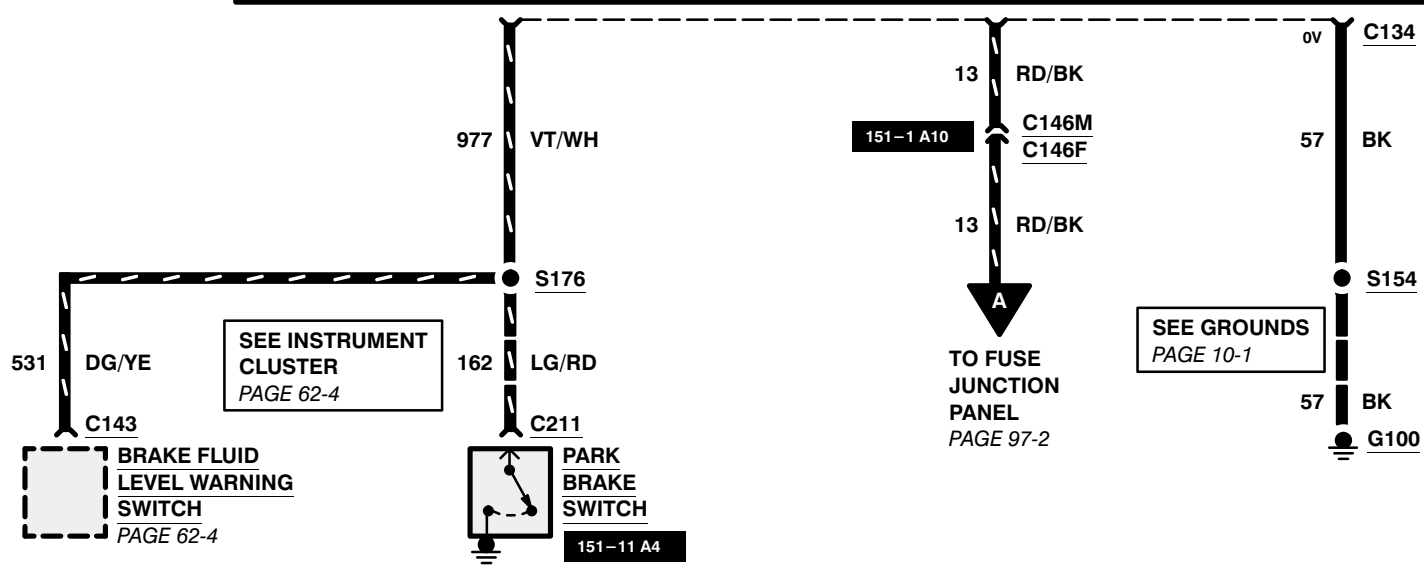
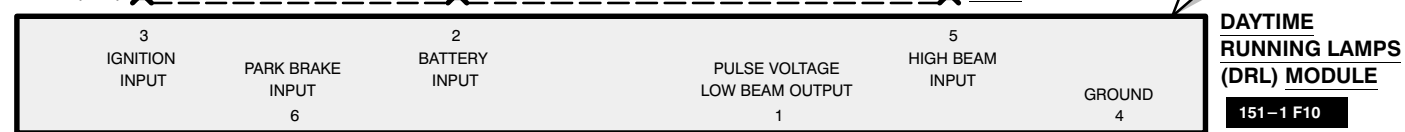
SEE POWER  
DISTRIBUTION  
PAGE 13-18



FROM S111  
PAGE 97-2

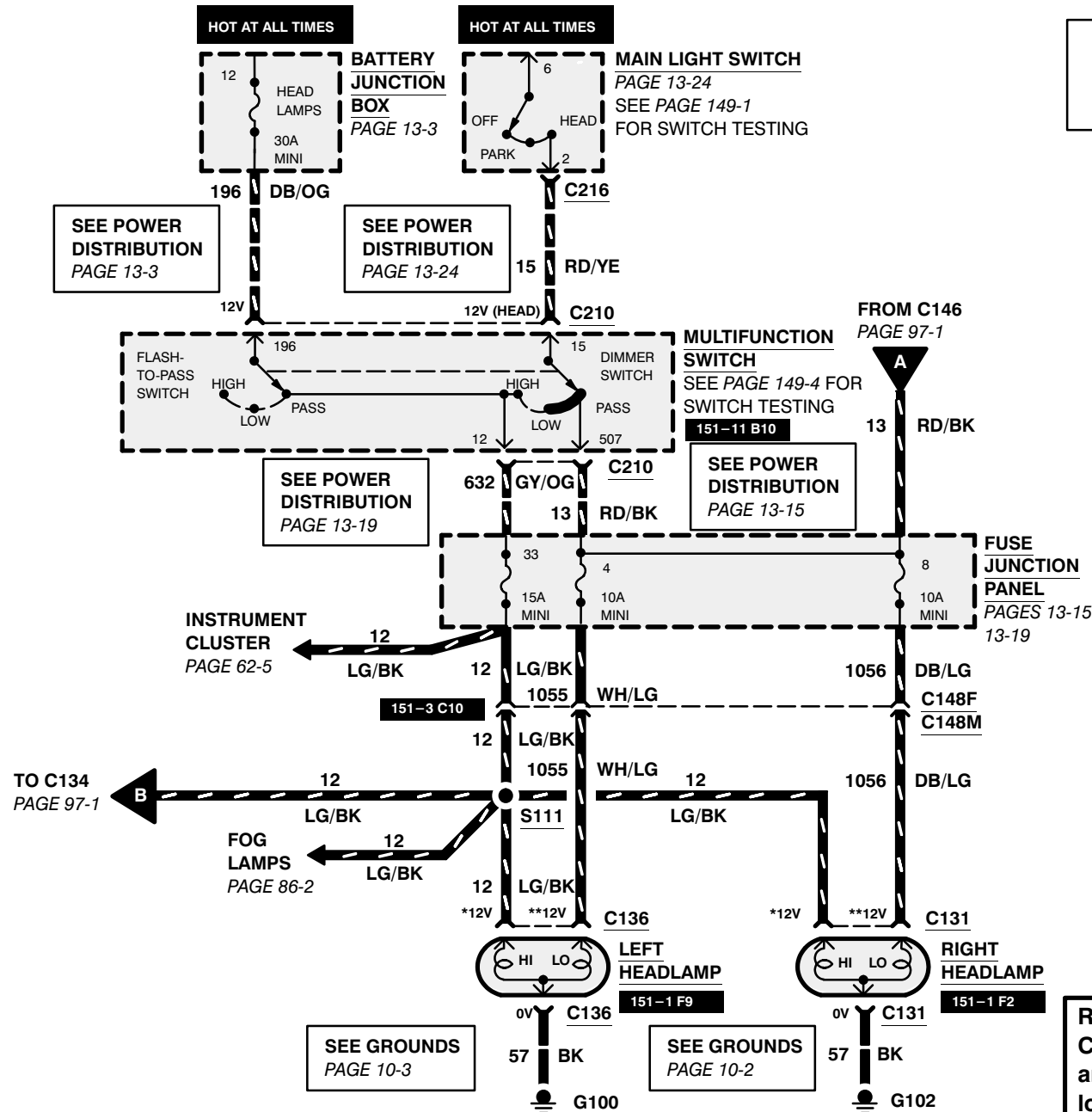


Controls Daytime Running  
Lamps and Illuminates LOW  
Beam Headlamps with Pulse  
Voltage.



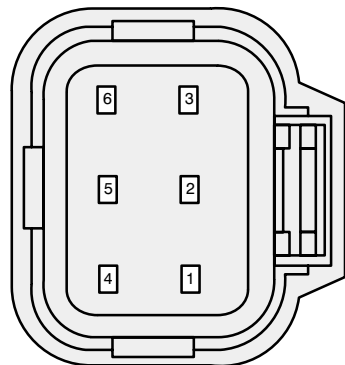
# DAYTIME RUNNING LAMPS 97-2

1999 EXPLORER/MOUNTAINEER



# 97-3 DAYTIME RUNNING LAMPS

1999 EXPLORER/MOUNTAINEER



**C150**

**DAYTIME RUNNING LAMPS (DRL) MODULE**

| PIN | CIRCUIT     | CIRCUIT FUNCTION         |
|-----|-------------|--------------------------|
| 1   | 13 (RD/BK)  | Low Beam Output          |
| 2   | 54 (LG/YE)  | Power (Hot at All Times) |
| 3   | 298 (PK/OG) | Power (Hot in Run)       |
| 4   | 57 (BK)     | Ground                   |
| 5   | 12 (LG/BK)  | High Beam Input          |
| 6   | 977 (PK/WH) | Park Brake Input         |

**CONNECTOR REFERENCE LIST**

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C210      | 85-2         |
| C216      | 13-25        |

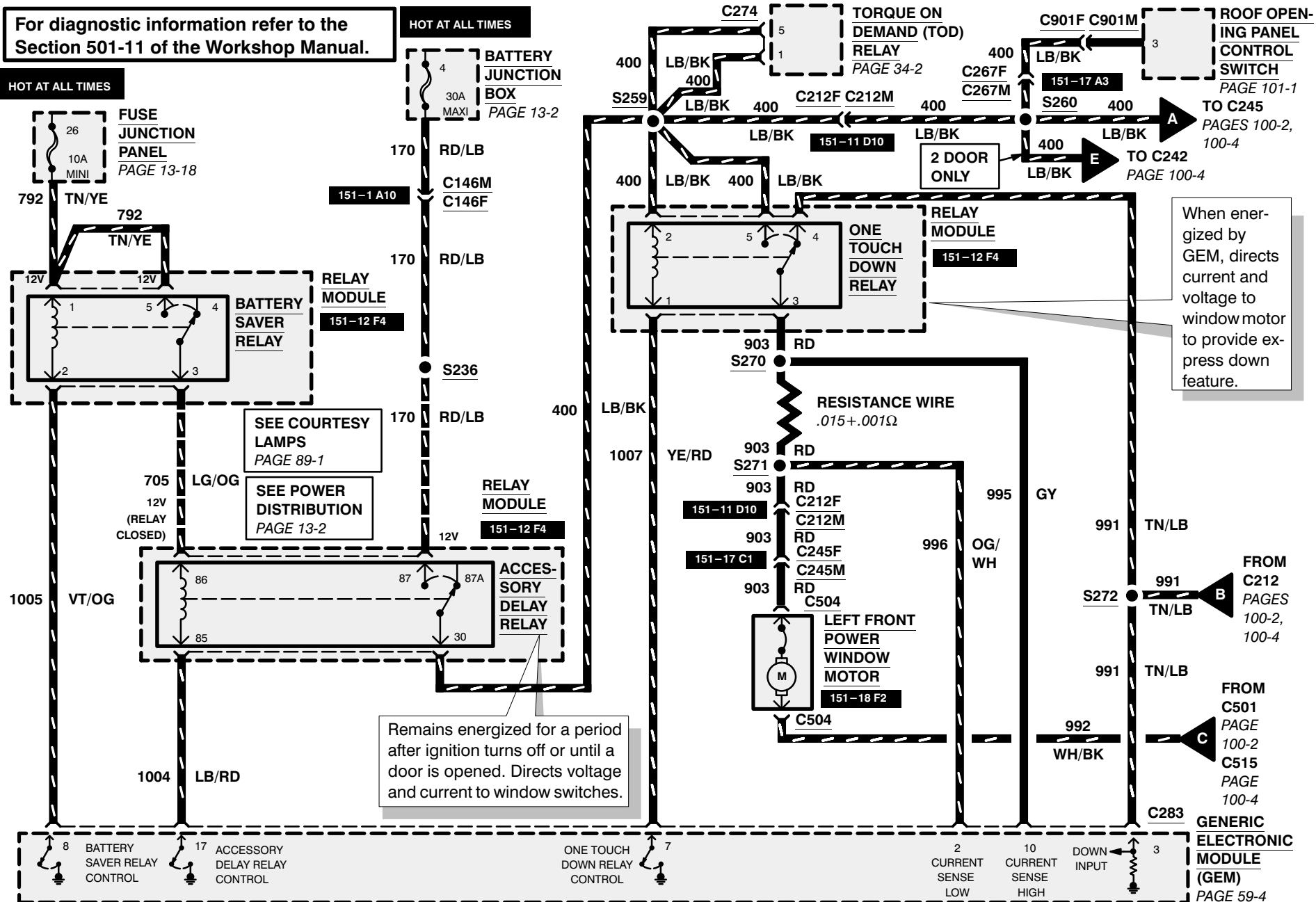
**NOTES 97-4**

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 100-1 POWER WINDOWS

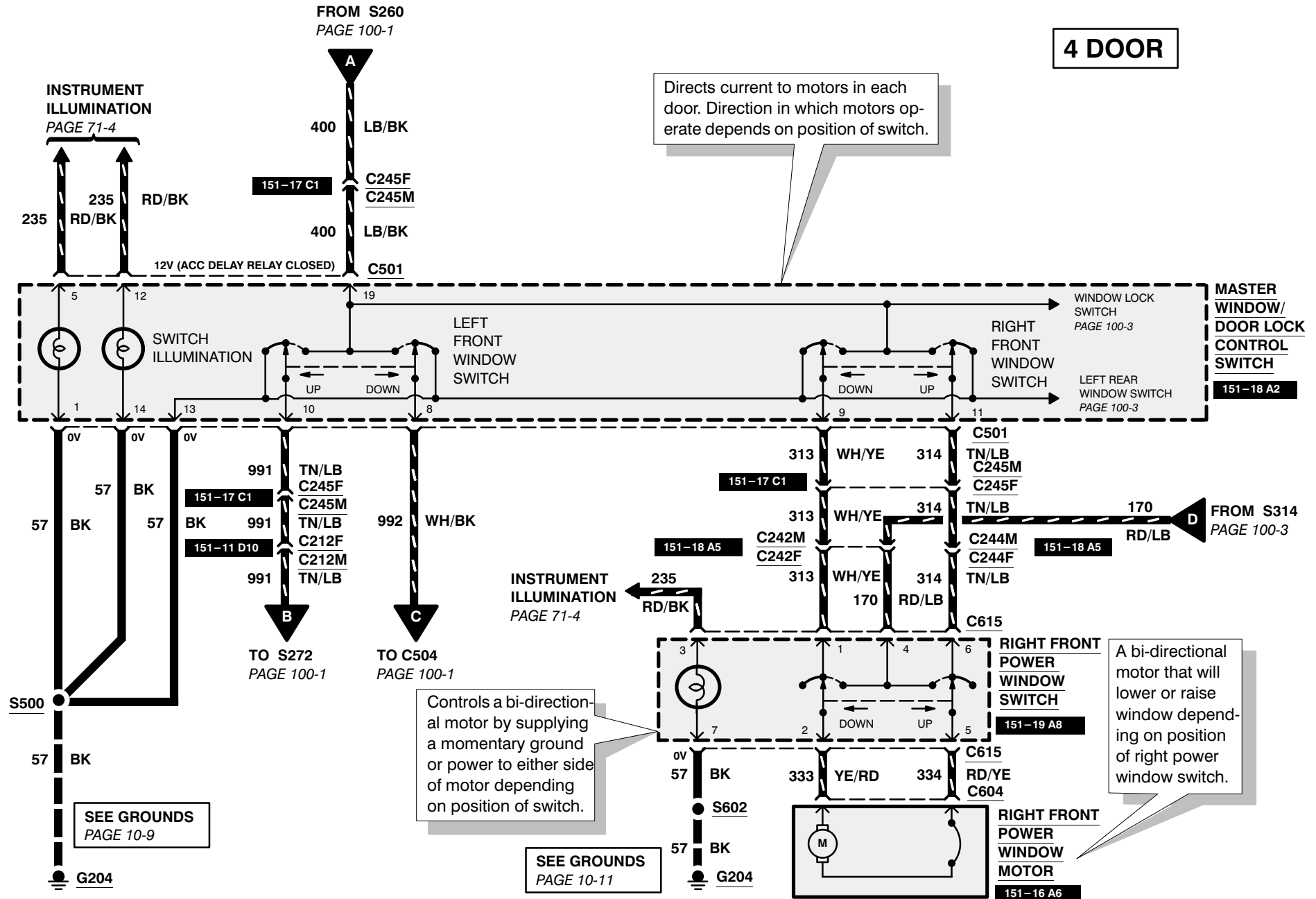
1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to the Section 501-11 of the Workshop Manual.



# POWER WINDOWS 100-2

1999 EXPLORER/MOUNTAINEER

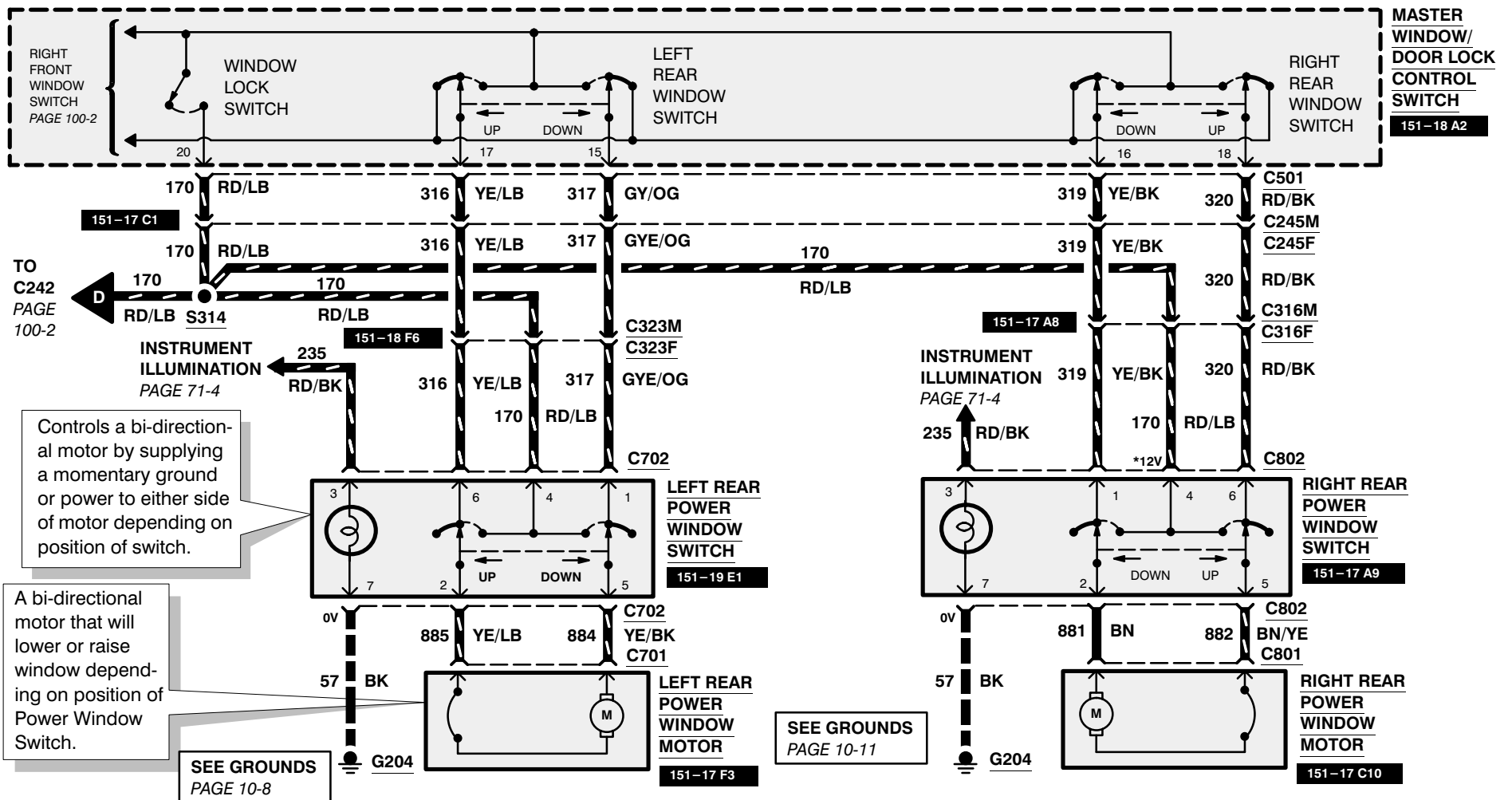


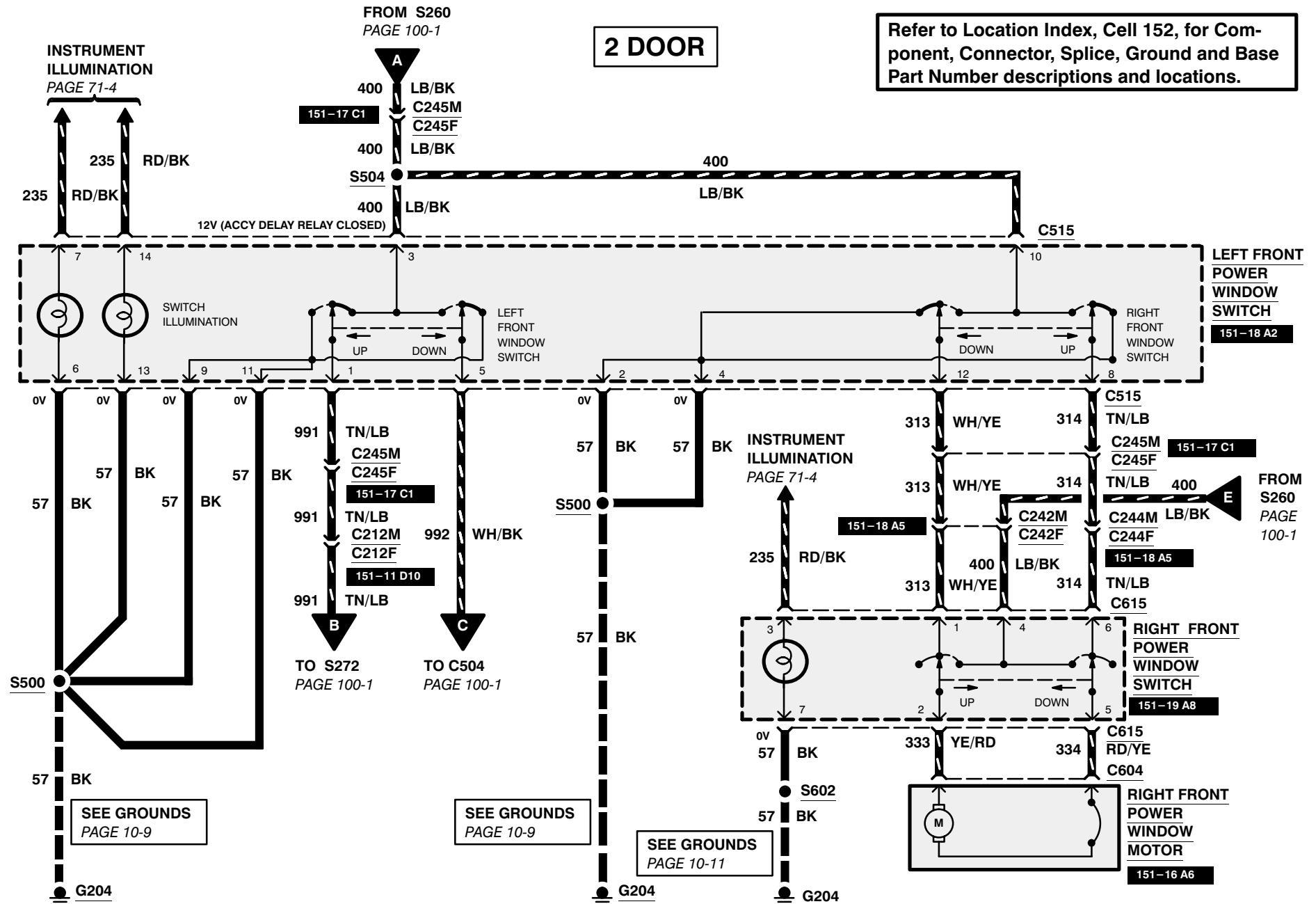
# 100-3 POWER WINDOWS

1999 EXPLORER/MOUNTAINEER

4 DOOR

\* LOCKOUT  
SWITCH CLOSED

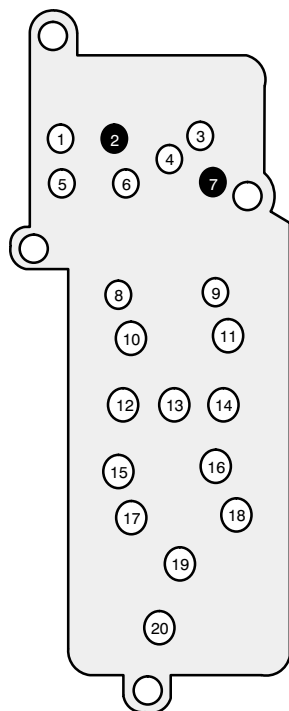


**1999 EXPLORER/MOUNTAINEER**

# 100-5 POWER WINDOWS

1999 EXPLORER/MOUNTAINEER

## 4 DOOR



**C501**

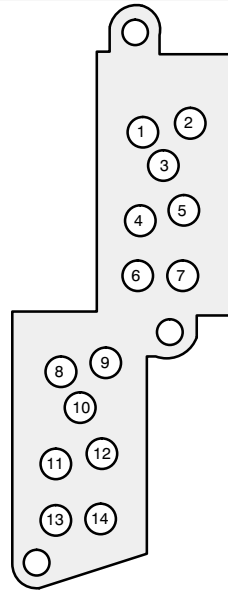
**MASTER WINDOW/DOOR LOCK CONTROL SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                  |
|-----|-------------|---------------------------------------------------|
| 1   | 57 (BK)     | Ground                                            |
| 2   | —           | NOT USED                                          |
| 3   | 120 (PK/LG) | Door Lock Switch (Unlock)                         |
| 4   | 57 (BK)     | Ground                                            |
| 5   | 235 (RD/BK) | Switch Illumination                               |
| 6   | 119 (PK/YE) | Door Lock Switch (Lock)                           |
| 7   | —           | NOT USED                                          |
| 8   | 992 (WH/BK) | LH Front Motor Feed/Return (Up)                   |
| 9   | 313 (WH/YE) | LF Regulator Switch to RF Regulator Switch (Up)   |
| 10  | 991 (TN/LB) | LH Front Motor Feed/Return (Down)                 |
| 11  | 314 (TN/LB) | LF Regulator Switch to RF Regulator Switch (Down) |
| 12  | 235 (RD/BK) | Switch Illumination                               |
| 13  | 57 (BK)     | Ground                                            |
| 14  | 57 (BK)     | Ground                                            |
| 15  | 317 (GY/OG) | LF Regulator Switch to LR Regulator Switch (Up)   |
| 16  | 319 (YE/BK) | LF Regulator Switch to RR Regulator Switch (Up)   |
| 17  | 316 (YE/LB) | LF Regulator Switch to LR Regulator Switch (Down) |
| 18  | 320 (RD/BK) | LF Regulator Switch to RR Regulator Switch (Down) |
| 19  | 400 (LB/BK) | Switch Power                                      |
| 20  | 170 (RD/LB) | Window Lock Switch                                |

# POWER WINDOWS 100-6

1999 EXPLORER/MOUNTAINEER

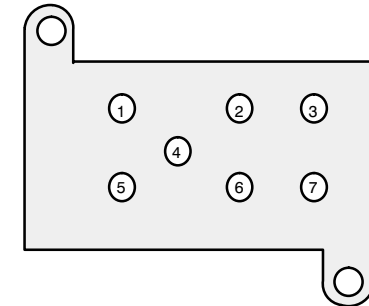
**2 DOOR**



**C515**

**LEFT FRONT POWER WINDOW SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                    |
|-----|-------------|-----------------------------------------------------|
| 1   | 991 (TN/LB) | Left Front Motor Feed/Return (DOWN)                 |
| 2   | 57 (BK)     | Ground                                              |
| 3   | 400 (LB/BK) | Switch Power                                        |
| 4   | 57 (BK)     | Ground                                              |
| 5   | 992 (WH/BK) | Left Front Motor Feed/Return (UP)                   |
| 6   | 57 (BK)     | Ground                                              |
| 7   | 235 (RD/BK) | Switch Illumination                                 |
| 8   | 314 (TN/LB) | Left Regulator Switch to RF Regulator Switch (Down) |
| 9   | 57 (BK)     | Ground                                              |
| 10  | 400 (LB/BK) | Switch Power                                        |
| 11  | 57 (BK)     | Ground                                              |
| 12  | 313 (WH/YE) | Left Regulator Switch to RF Regulator Switch (UP)   |
| 13  | 57 (BK)     | Ground                                              |
| 14  | 235 (RD/BK) | Switch Illumination                                 |



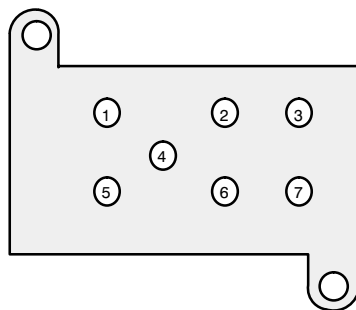
\* 4 DOOR  
\*\* 2 DOOR

**C615 (BLACK)**  
**RIGHT FRONT POWER WINDOW SWITCH**

| PIN | CIRCUIT       | CIRCUIT FUNCTION                                    |
|-----|---------------|-----------------------------------------------------|
| 1   | 313 (WH/YE)   | Left Regulator Switch to RR Regulator Switch (UP)   |
| 2   | 333 (YE/RD)   | RF Regulator Switch to Motor (UP)                   |
| 3   | 235 (RD/BK)   | Switch Illumination                                 |
| 4   | *170 (RD/LB)  | RF Regulator Switch Lockout Feed                    |
| 4   | **400 (LB/BK) | Switch Power                                        |
| 5   | 334 (RD/YE)   | RF Regulator Switch to Motor (DOWN)                 |
| 6   | 314 (TN/BK)   | Left Regulator Switch to RF Regulator Switch (DOWN) |
| 7   | 57 (BK)       | Ground                                              |

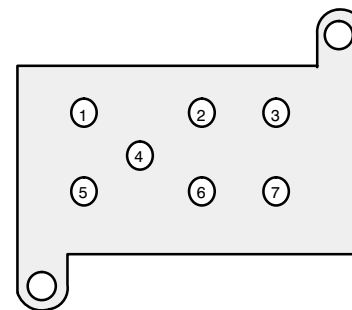
# 100-7 POWER WINDOWS

1999 EXPLORER/MOUNTAINEER



**C702 (BLACK)**  
**LEFT REAR POWER WINDOW SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                  |
|-----|-------------|---------------------------------------------------|
| 1   | 317 (GY/OG) | LF Regulator Switch to LR Regulator Switch (UP)   |
| 2   | 885 (YE/LB) | LR Regulator Switch to Motor (DOWN)               |
| 3   | 235 (RD/BK) | Switch Illumination                               |
| 4   | 170 (RD/LB) | LR Regulator Switch Lockout Feed                  |
| 5   | 884 (YE/BK) | LR Regulator Switch to Motor (UP)                 |
| 6   | 316 (YE/LB) | LF Regulator Switch to LR Regulator Switch (DOWN) |
| 7   | 57 (BK)     | Ground                                            |



**C802 (BLACK)**  
**RIGHT REAR POWER WINDOW SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                  |
|-----|-------------|---------------------------------------------------|
| 1   | 319 (YE/BK) | LF Regulator Switch to RR Regulator Switch (UP)   |
| 2   | 881 (BN)    | RR Regulator Switch to Motor (DOWN)               |
| 3   | 235 (RD/BK) | Switch Illumination                               |
| 4   | 170 (RD/LB) | RR Regulator Switch Lockout Feed                  |
| 5   | 882 (BN/YE) | RR Regulator Switch to Motor (DOWN)               |
| 6   | 320 (RD/BK) | LF Regulator Switch to RR Regulator Switch (DOWN) |
| 7   | 57 (BK)     | Ground                                            |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C900      | 101-2        |

## 1999 EXPLORER/MOUNTAINEER

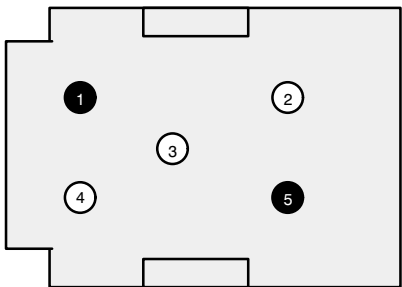
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## 1999 EXPLORER/MOUNTAINEER



# ROOF OPENING PANEL 101-2

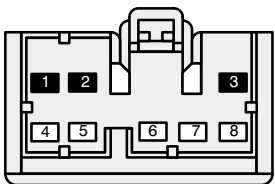
1999 EXPLORER/MOUNTAINEER



**C900 (GRAY)**

**ROOF OPENING PANEL CONTROL SWITCH**

| PIN | CIRCUIT  | CIRCUIT FUNCTION              |
|-----|----------|-------------------------------|
| 1   | —        | NOT USED                      |
| 2   | 691 (DB) | Roof Opening Panel Motor Feed |
| 3   | 57 (BK)  | Ground                        |
| 4   | 692 (RD) | Roof Opening Panel Motor Feed |
| 5   | —        | NOT USED                      |



**C901**

**ROOF OPENING PANEL MOTOR**

| PIN | CIRCUIT     | CIRCUIT FUNCTION           |
|-----|-------------|----------------------------|
| 1   | —           | NOT USED                   |
| 2   | —           | NOT USED                   |
| 3   | —           | NOT USED                   |
| 4   | 57 (BK)     | Ground                     |
| 5   | 170 (RD/LB) | Power (Hot at All Times)   |
| 6   | 691 (DB)    | Slide Open Feed            |
| 7   | 692 (RD)    | Slide Close Feed           |
| 8   | 400 (LB/BK) | Accessory Delay Relay Feed |

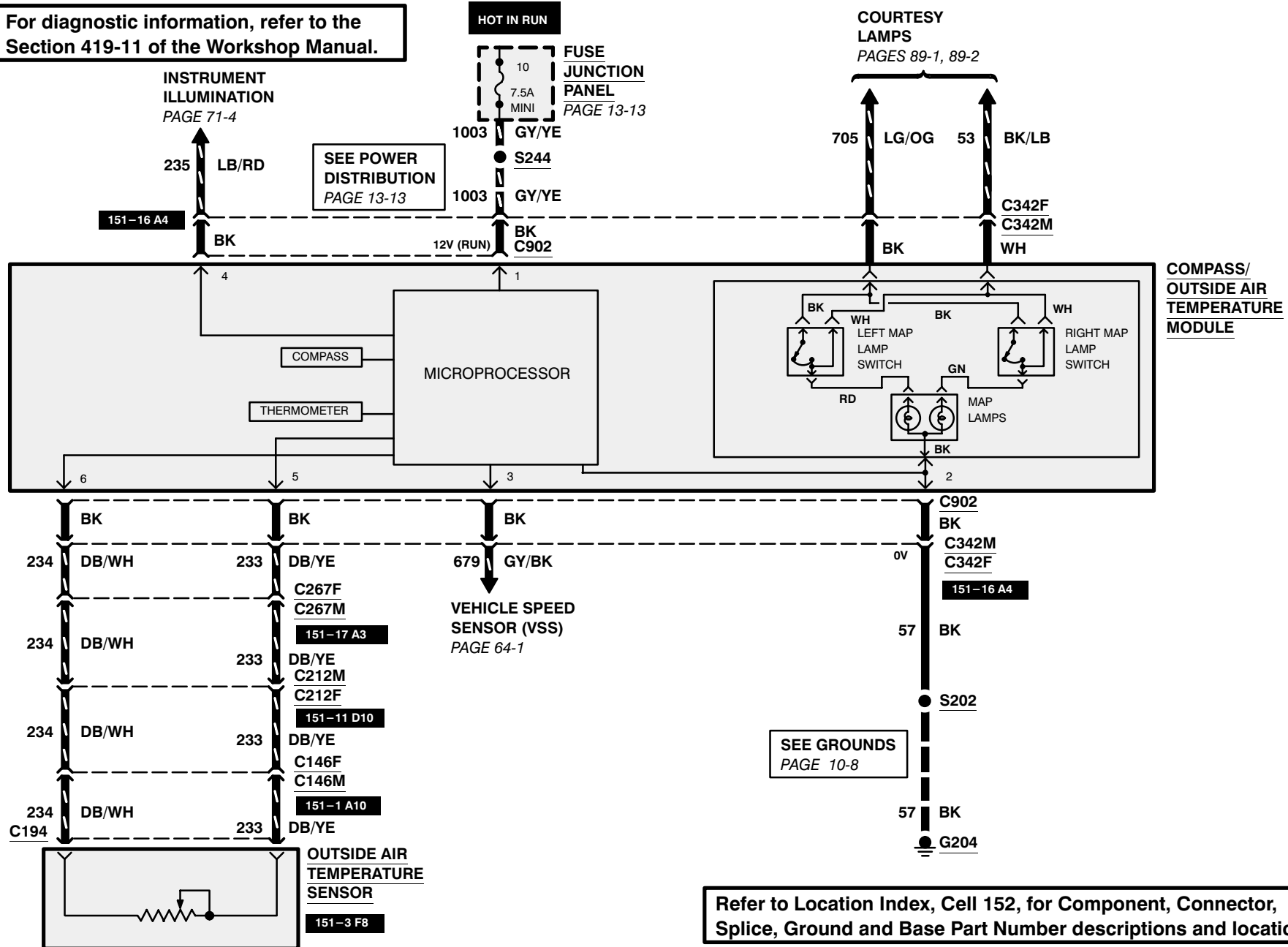
## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C283      | 59-7         |

# 102-1 OVERHEAD CONSOLE

1999 EXPLORER/MOUNTAINEER

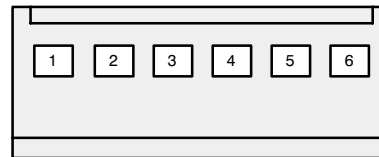
For diagnostic information, refer to the  
Section 419-11 of the Workshop Manual.



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

# OVERHEAD CONSOLE 102-2

1999 EXPLORER/MOUNTAINEER



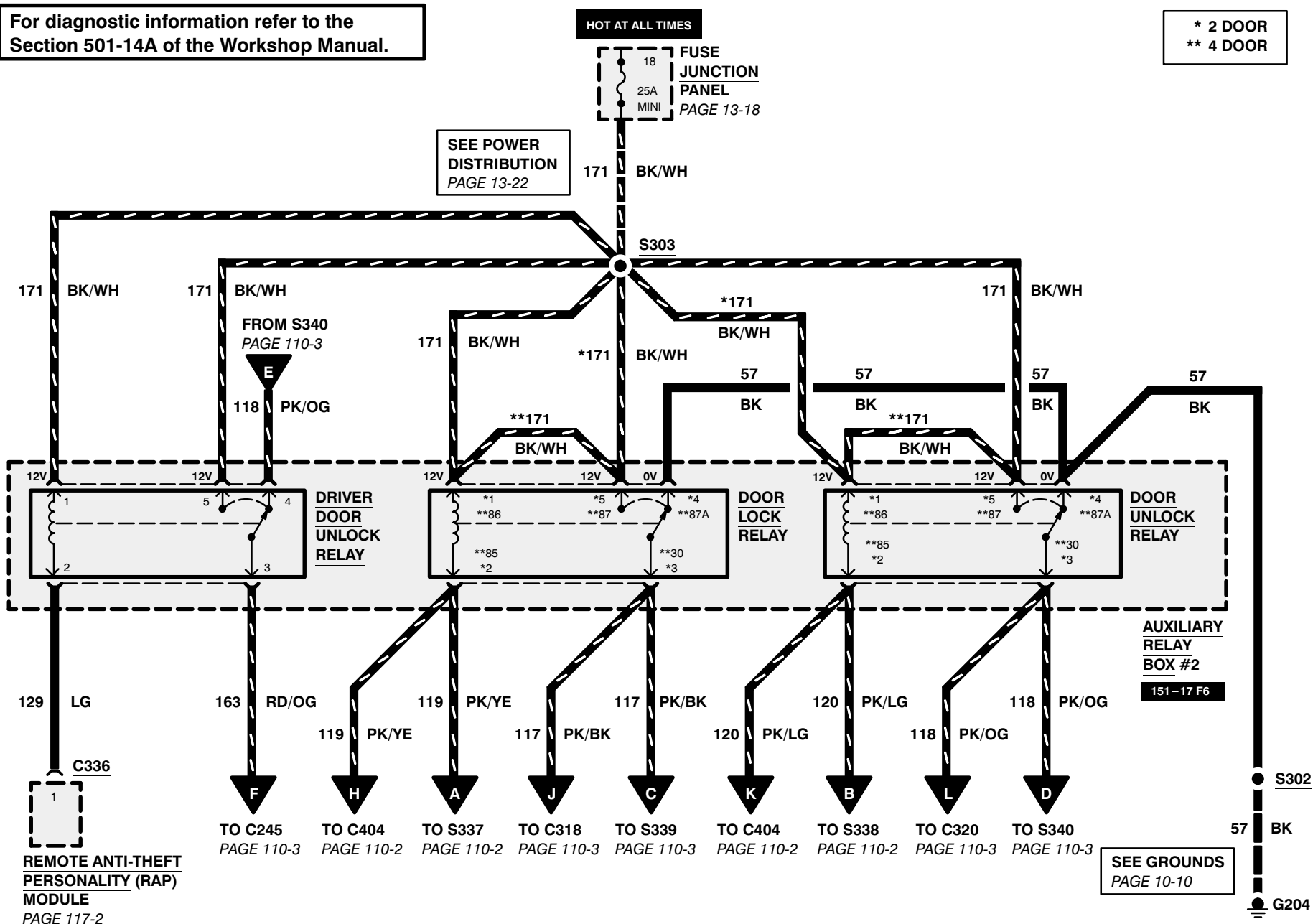
**C902 (BLACK)**  
**COMPASS/OUTSIDE AIR TEMPERATURE MODULE**

| PIN | CIRCUIT | CIRCUIT FUNCTION                  |
|-----|---------|-----------------------------------|
| 1   | (BK)    | Power (Hot in Run)                |
| 2   | (BK)    | Ground                            |
| 3   | (BK)    | Vehicle Speed Input               |
| 4   | (BK)    | Instrument Illumination Input     |
| 5   | (BK)    | Ambient Temperature Sensor Feed   |
| 6   | (BK)    | Ambient Temperature Sensor Return |

# 110-1 POWER DOOR LOCKS

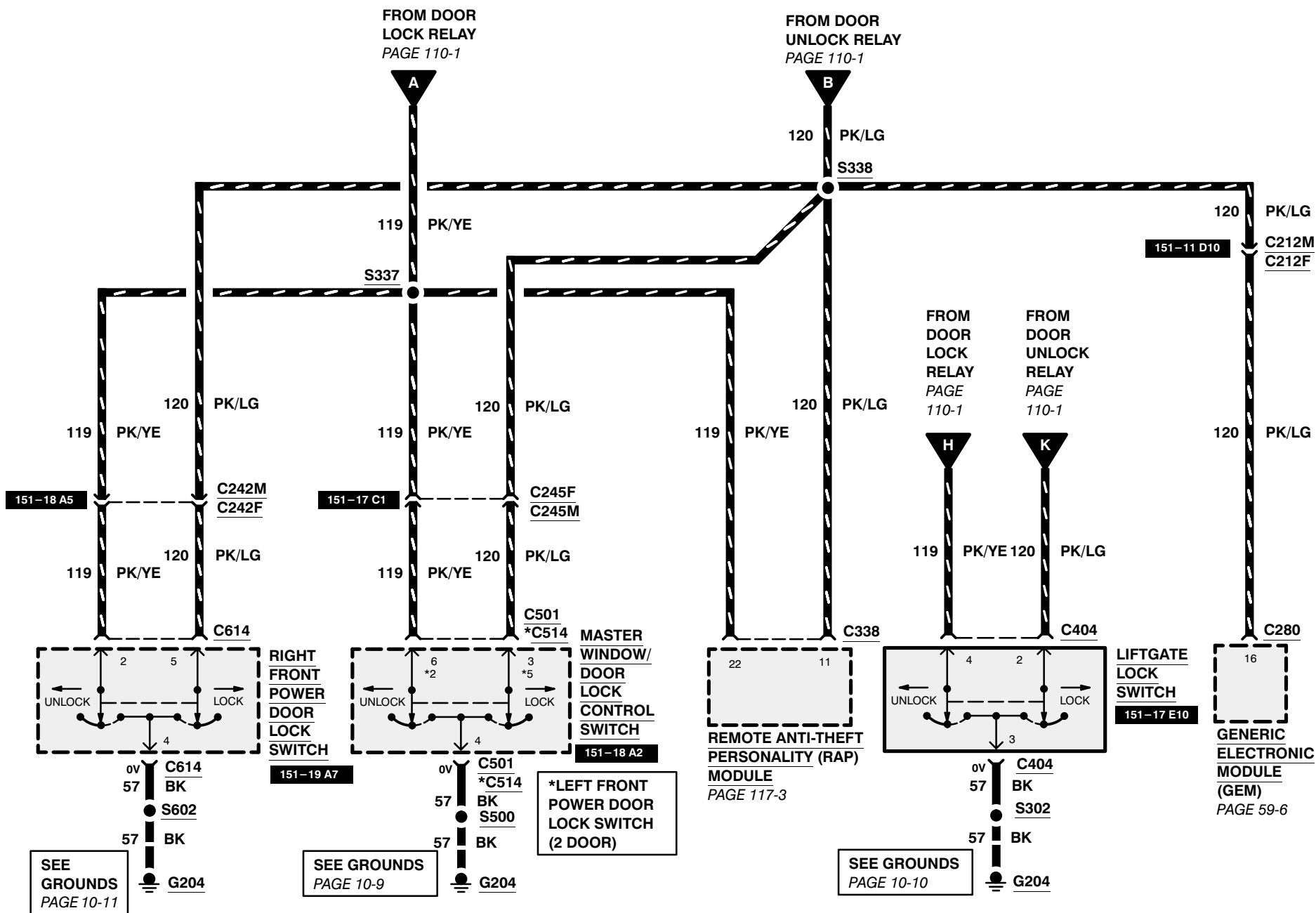
1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to the  
Section 501-14A of the Workshop Manual.



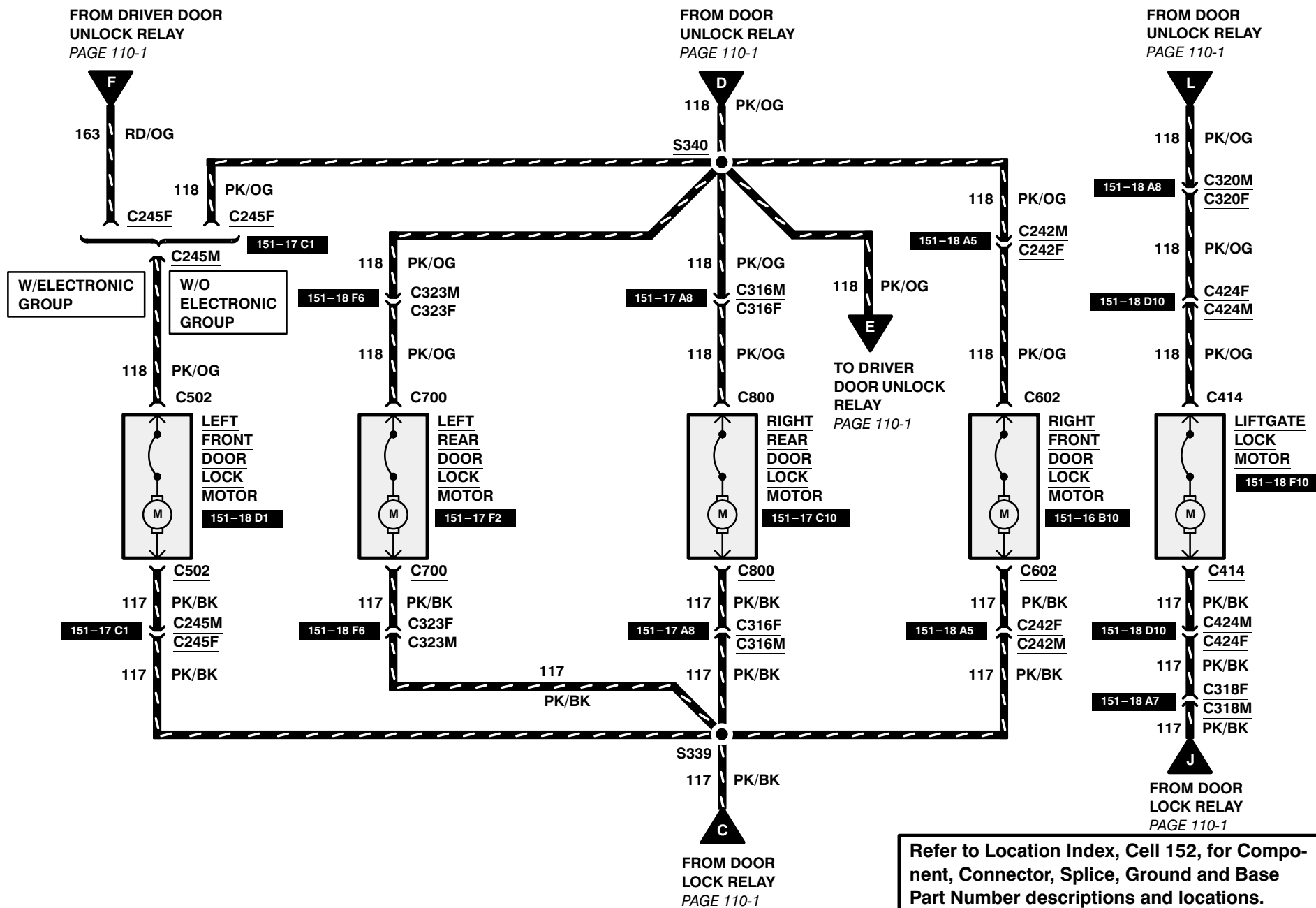
# POWER DOOR LOCKS 110-2

1999 EXPLORER/MOUNTAINEER



# 110-3 POWER DOOR LOCKS

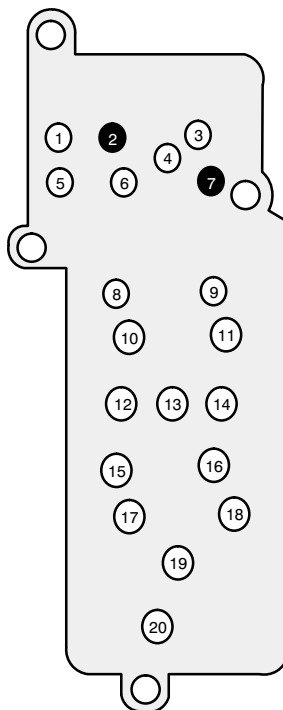
1999 EXPLORER/MOUNTAINEER



# POWER DOOR LOCKS 110-4

1999 EXPLORER/MOUNTAINEER

## 4 DOOR



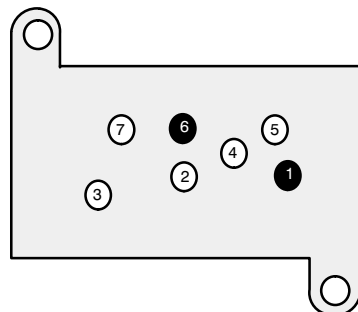
**C501**

**MASTER WINDOW/DOOR LOCK CONTROL SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                  |
|-----|-------------|---------------------------------------------------|
| 1   | 57 (BK)     | Ground                                            |
| 2   | —           | NOT USED                                          |
| 3   | 120 (PK/LG) | Door Lock Switch (Unlock)                         |
| 4   | 57 (BK)     | Ground                                            |
| 5   | 235 (RD/BK) | Switch Illumination                               |
| 6   | 119 (PK/YE) | Door Lock Switch (Lock)                           |
| 7   | —           | NOT USED                                          |
| 8   | 992 (WH/BK) | LH Front Motor Feed/Return (Up)                   |
| 9   | 313 (WH/YE) | LF Regulator Switch to RF Regulator Switch (Up)   |
| 10  | 991 (TN/LB) | LH Front Motor Feed/Return (Down)                 |
| 11  | 314 (TN/LB) | LF Regulator Switch to RF Regulator Switch (Down) |
| 12  | 235 (RD/BK) | Switch Illumination                               |
| 13  | 57 (BK)     | Ground                                            |
| 14  | 57 (BK)     | Ground                                            |
| 15  | 317 (GY/OG) | LF Regulator Switch to LR Regulator Switch (Up)   |
| 16  | 319 (YE/BK) | LF Regulator Switch to RR Regulator Switch (Up)   |
| 17  | 316 (YE/BK) | LF Regulator Switch to LR Regulator Switch (Down) |
| 18  | 320 (RD/BK) | LF Regulator Switch to RR Regulator Switch (Down) |
| 19  | 400 (LB/BK) | Switch Power                                      |
| 20  | 170 (RD/LB) | Window Lock Switch                                |

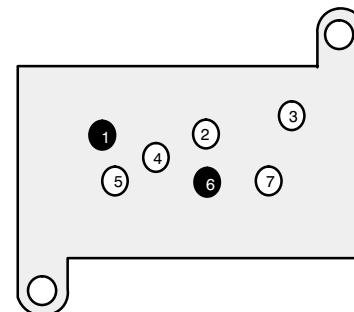
# 110-5 POWER DOOR LOCKS

1999 EXPLORER/MOUNTAINEER



**C514 (BLACK)**  
**LEFT FRONT POWER DOOR LOCK SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION   |
|-----|-------------|--------------------|
| 1   | —           | NOT USED           |
| 2   | 119 (PK/YE) | Door Lock Output   |
| 3   | 235 (RD/BK) | Illumination       |
| 4   | 57 (BK)     | Ground             |
| 5   | 120 (PK/LG) | Door Unlock Output |
| 6   | —           | NOT USED           |
| 7   | 57 (BK)     | Ground             |

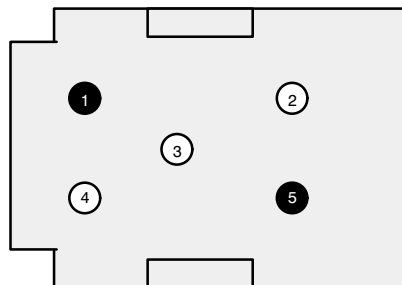


**C614 (BLACK)**  
**RIGHT FRONT POWER DOOR LOCK SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION   |
|-----|-------------|--------------------|
| 1   | —           | NOT USED           |
| 2   | 119 (PK/YE) | Door Lock Output   |
| 3   | 235 (RD/BK) | Illumination       |
| 4   | 57 (BK)     | Ground             |
| 5   | 120 (PK/LG) | Door Unlock Output |
| 6   | —           | NOT USED           |
| 7   | 57 (BK)     | Ground             |

# POWER DOOR LOCKS 110-6

1999 EXPLORER/MOUNTAINEER



**C404 (GRAY)**  
**LIFTGATE LOCK SWITCH**

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C280      | 59-7         |
| C336      | 117-4        |
| C338      | 117-4        |

| PIN | CIRCUIT     | CIRCUIT FUNCTION       |
|-----|-------------|------------------------|
| 1   | —           | NOT USED               |
| 2   | 120 (PK/LG) | Liftgate Unlock Output |
| 3   | 57 (BK)     | Ground                 |
| 4   | 119 (PK/YE) | Liftgate Lock Output   |
| 5   | —           | NOT USED               |

## 1999 EXPLORER/MOUNTAINEER

**HOT AT ALL TIMES**

 25  
7.5A  
MINI

**FUSE  
JUNCTION  
PANEL**

*PAGE 13-14*

**SEE POWER  
DISTRIBUTION  
PAGE 13-14**

**SEE MULTIPLEX  
COMMUNICATION  
NETWORK**  
*PAGE 14-1*

**SOLID STATE**

**POWERTRAIN  
CONTROL  
MODULE (PCM)**  
PAGES 23-5,  
24-8, 25-6

914 | TN/OG

914 | TN/OG

914 ■ TN/OG

**DATA LINK**  
**CONNECTOR (DLC)**  
*PAGE 14-1*

915 PK/LB

$$\frac{\text{C115F}}{\text{C115M}}$$

915 PK/LB  
C147M

915 PK/LB

C291

PK/LB 915 PK/LB

**SEE POWER  
DISTRIBUTION  
PAGE 13-16**

**SEE MULTIPLEX  
COMMUNICATION  
NETWORK**  
*PAGE 14-1*

## HOT IN START OR RUN

**FUSE**  
**JUNCTION**  
**PANEL**  
*PAGE 13-16*

16 RD/LG

**12V (START  
OR RUN)**

## PASSIVE ANTI-THEFT SYSTEM (PATS) MODULE

**151-12 B1**

**REMOTE  
ANTI-THEFT  
PERSONALITY  
(RAP) MODULE**  
*PAGE 117-1*

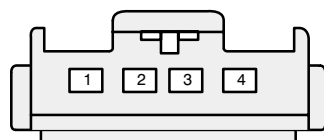
**SEE GROUNDS**  
*PAGE 10-3*

**INSTRUMENT**  
**CLUSTER**  
*PAGE 62-5*

PATS will flash indicator every 2 seconds at Key OFF. With Key ON, normal PATS prove-out is 3 seconds.

**SEE GROUNDS**  
*PAGE 10-7*

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

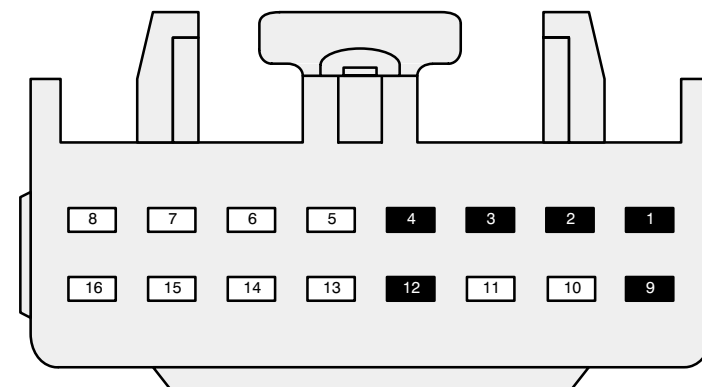


**C221**  
**ANTI-THEFT TRANSCEIVER MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION            |
|-----|--------------|-----------------------------|
| 1   | 651 (BK/YE)  | Ground                      |
| 2   | 936 (DG/WH)  | Key Cylinder Sensor Receive |
| 3   | 1216 (GY/OG) | Receive Signal              |
| 4   | 1215 (WH/LG) | Transmit Signal             |

## CONNECTOR REFERENCE LIST

| CONNECTOR | SECTION-PAGE     |
|-----------|------------------|
| C202      | 23-8, 24-9, 25-8 |
| C291      | 14-2             |



**C222**  
**PASSIVE ANTI-THEFT SYSTEM  
(PATS) CONTROL MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION            |
|-----|--------------|-----------------------------|
| 1   | —            | NOT USED                    |
| 2   | —            | NOT USED                    |
| 3   | —            | NOT USED                    |
| 4   | —            | NOT USED                    |
| 5   | 915 (PK/LB)  | SCP Data Bus (—)            |
| 6   | 914 (TN/OG)  | SCP Data Bus (+)            |
| 7   | 570 (BK/WH)  | Ground                      |
| 8   | 343 (DB/LG)  | Anti-Theft Indicator        |
| 9   | —            | NOT USED                    |
| 10  | 936 (DG/WH)  | Key Cylinder Sensor         |
| 11  | 1216 (GY/OG) | Receive Signal              |
| 12  | —            | NOT USED                    |
| 13  | 1215 (WH/LG) | Transmit Signal             |
| 14  | 651 (BK/YE)  | Ground                      |
| 15  | 1001 (WH/YE) | Power (Hot at All Times)    |
| 16  | 16 (RD/LG)   | Power (Hot in Start or Run) |

## 1999 EXPLORER/MOUNTAINEER

**HOT IN ACC OR RUN**

**FUSE**  
**JUNCTION**  
**PANEL**  
*PAGE 13-17*

**SEE POWER  
DISTRIBUTION  
PAGE 13-1**

**SEE POWER  
DISTRIBUTION  
PAGE 13-17**

## HOT AT ALL TIMES

**BATTERY**  
**JUNCTION**  
**BOX**  
*PAGE 13-1*

Controls anti-theft protection system. Monitors switches located throughout the vehicle and if triggered, sounds horn and flashes headlamps and parking lamps at an intermittent rate of 80 cycles per minute.

**HORN/CIGAR  
LIGHTER**  
*PAGE 44-1*

**AUTOLAMPS**  
*PAGE 87-1*

## REMOTE ANTI-THEFT PERSONALITY (RAP) MODULE

151-18 F8

**MULTIFUNCTION  
ELECTRONIC  
CONTROL  
MODULES**  
*PAGES 59-2, 59-4*

**SEE  
GROUNDS  
PAGE 10-7**

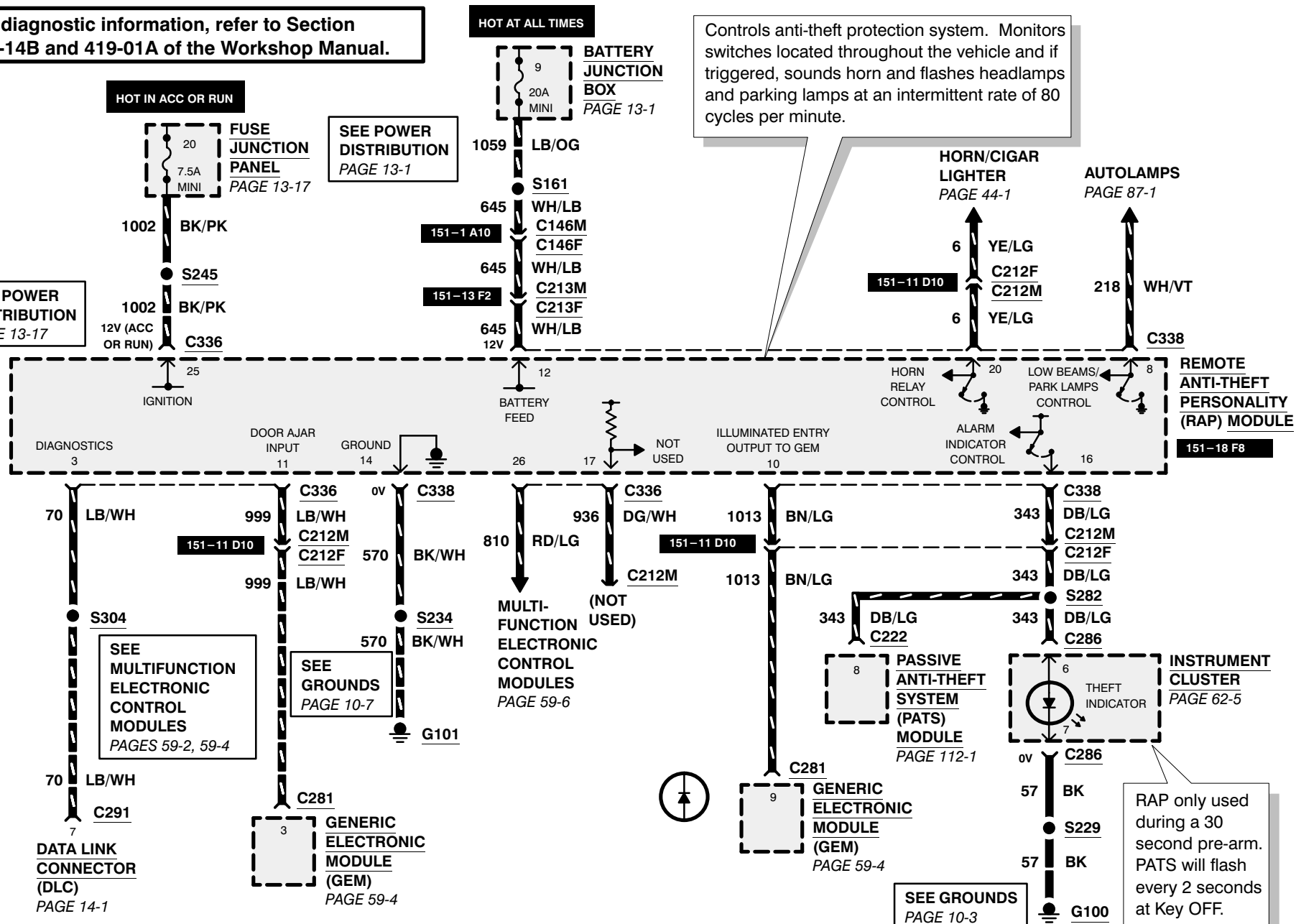
**MULTI-  
FUNCTION  
ELECTRONIC  
CONTROL  
MODULES**  
*PAGE 59-6*

**PASSIVE  
ANTI-THEFT  
SYSTEM  
(PATS)  
MODULE**  
*PAGE 112-1*

**INSTRUMENT**  
**CLUSTER**  
*PAGE 62-5*

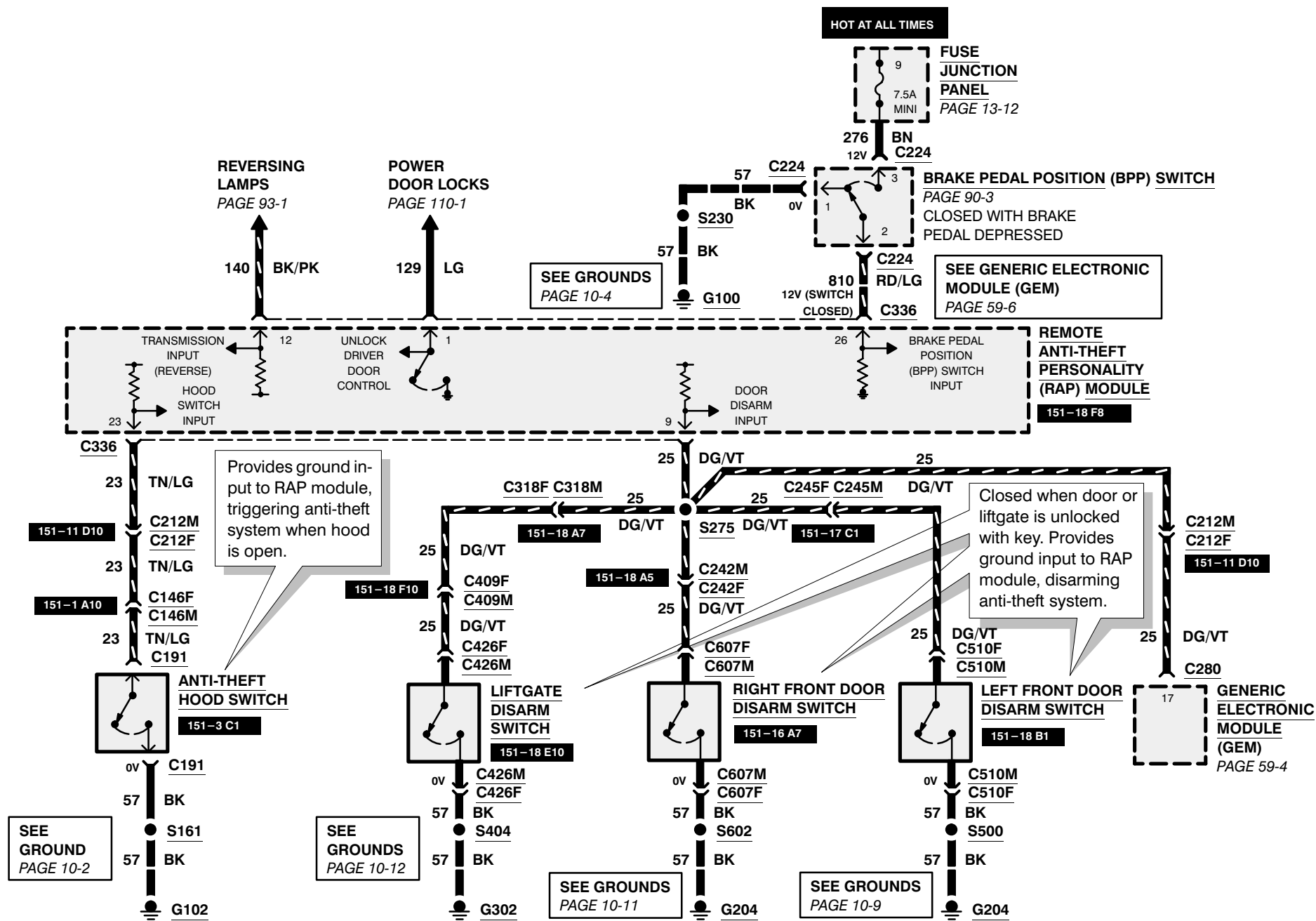
RAP only used during a 30 second pre-arm. PATS will flash every 2 seconds at Key OFF.

**SEE GROUNDS**  
*PAGE 10-3*



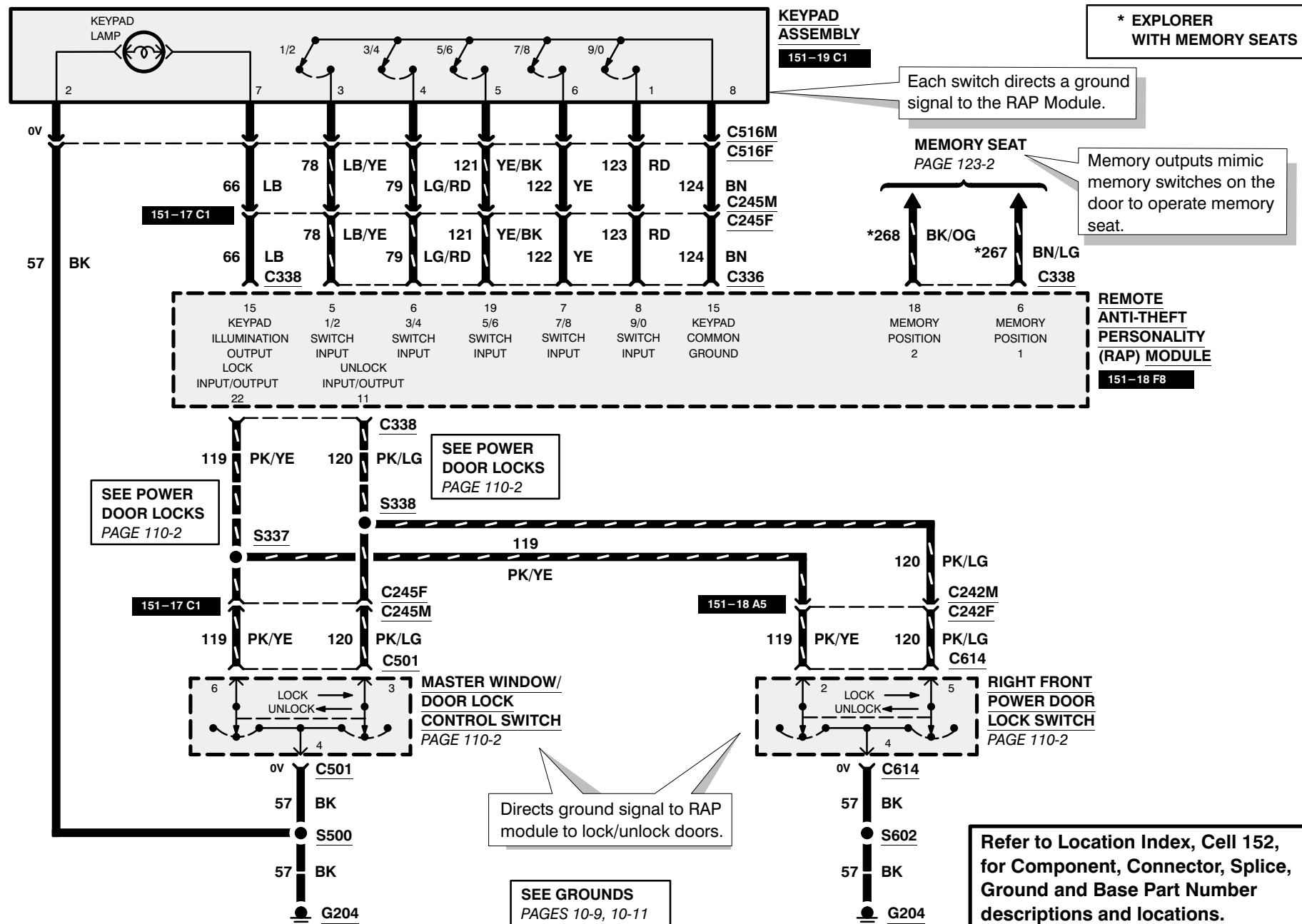
# REMOTE CONTROL ALARM AND LOCK SYSTEM 117-2

1999 EXPLORER/MOUNTAINEER



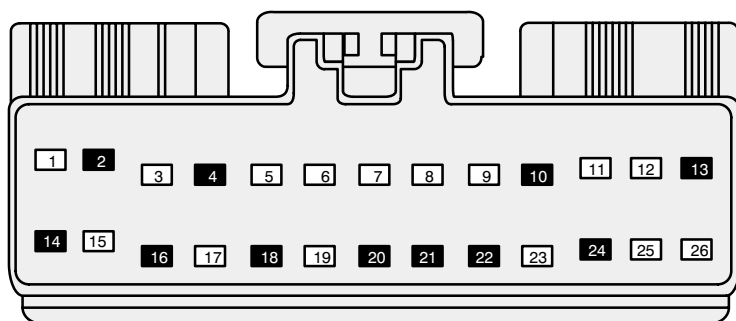
# 117-3 REMOTE CONTROL ALARM AND LOCK SYSTEM

1999 EXPLORER/MOUNTAINEER



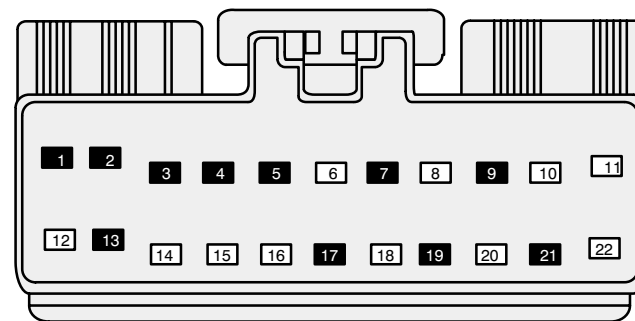
# REMOTE CONTROL ALARM AND LOCK SYSTEM 117-4

1999 EXPLORER/MOUNTAINEER



**C336 (GRAY)**  
**REMOTE ANTI-THEFT**  
**PERSONALITY (RAP) MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                  |
|-----|--------------|-----------------------------------|
| 1   | 129 (LG)     | Unlock Driver Door                |
| 3   | 70 (LB/WH)   | ISO 9141                          |
| 5   | 78 (LB/YE)   | Keypad 1/2 Input                  |
| 6   | 79 (LG/RD)   | Keypad 3/4 Input                  |
| 7   | 122 (YE)     | Keypad 7/8 Input                  |
| 8   | 123 (RD)     | Keypad 9/0 Input                  |
| 9   | 25 (DG/VT)   | Door Disarm                       |
| 11  | 999 (LB/WH)  | Door Ajar (GEM)                   |
| 12  | 140 (BK/PK)  | Transmission Input (Reverse)      |
| 15  | 124 (BN)     | Keypad Common Ground              |
| 17  | 936 (DG/WH)  | Ignition Tamper Switch Input      |
| 19  | 121 (YE/BK)  | Keypad 5/6 Input                  |
| 23  | 23 (TN/LG)   | Hood Switch                       |
| 25  | 1002 (BK/PK) | Power (Hot in Acc or Run)         |
| 26  | 511 (LG)     | Brake Pedal Position (BPP) Switch |

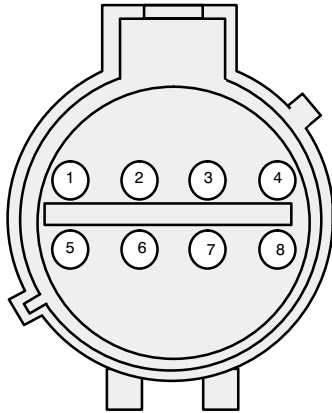


**C338 (GRAY)**  
**REMOTE ANTI-THEFT**  
**PERSONALITY (RAP) MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION               |
|-----|--------------|--------------------------------|
| 6   | 267 (BN/LG)  | Memory Seat Switch Position #1 |
| 8   | 218 (WH/VT)  | Low Beam/Park Lamps            |
| 10  | 1013 (BN/LG) | Interior Lights (GEM)          |
| 11  | 120 (PK/LG)  | Unlock All Doors Input/Output  |
| 12  | 645 (WH/LB)  | Power (Hot at All Times)       |
| 14  | 570 (BK/WH)  | Ground                         |
| 15  | 66 (LB)      | Keypad Illumination            |
| 16  | 343 (DB/LG)  | Theft Indicator LED            |
| 18  | 268 (BK/OG)  | Memory Seat Switch Position #2 |
| 20  | 6 (YE/LG)    | Horn                           |
| 22  | 119 (PK/YE)  | Lock All Doors Input/Output    |

# 117-5 REMOTE CONTROL ALARM AND LOCK SYSTEM

1999 EXPLORER/MOUNTAINEER



**C516 (GREEN)**  
**KEYLESS ENTRY SWITCH ASSEMBLY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION    |
|-----|-------------|---------------------|
| 1   | 123 (RD)    | 9/0 Switch          |
| 2   | 57 (BK)     | Ground              |
| 3   | 78 (LB/YE)  | 1/2 Switch          |
| 4   | 79 (LG/RD)  | 3/4 Switch          |
| 5   | 121 (YE/BK) | 5/6 Switch          |
| 6   | 122 (YE)    | 7/8 Switch          |
| 7   | 66 (LB)     | Keypad Illumination |
| 8   | 124 (BN)    | Switch Common       |

## CONNECTOR REFERENCE LIST

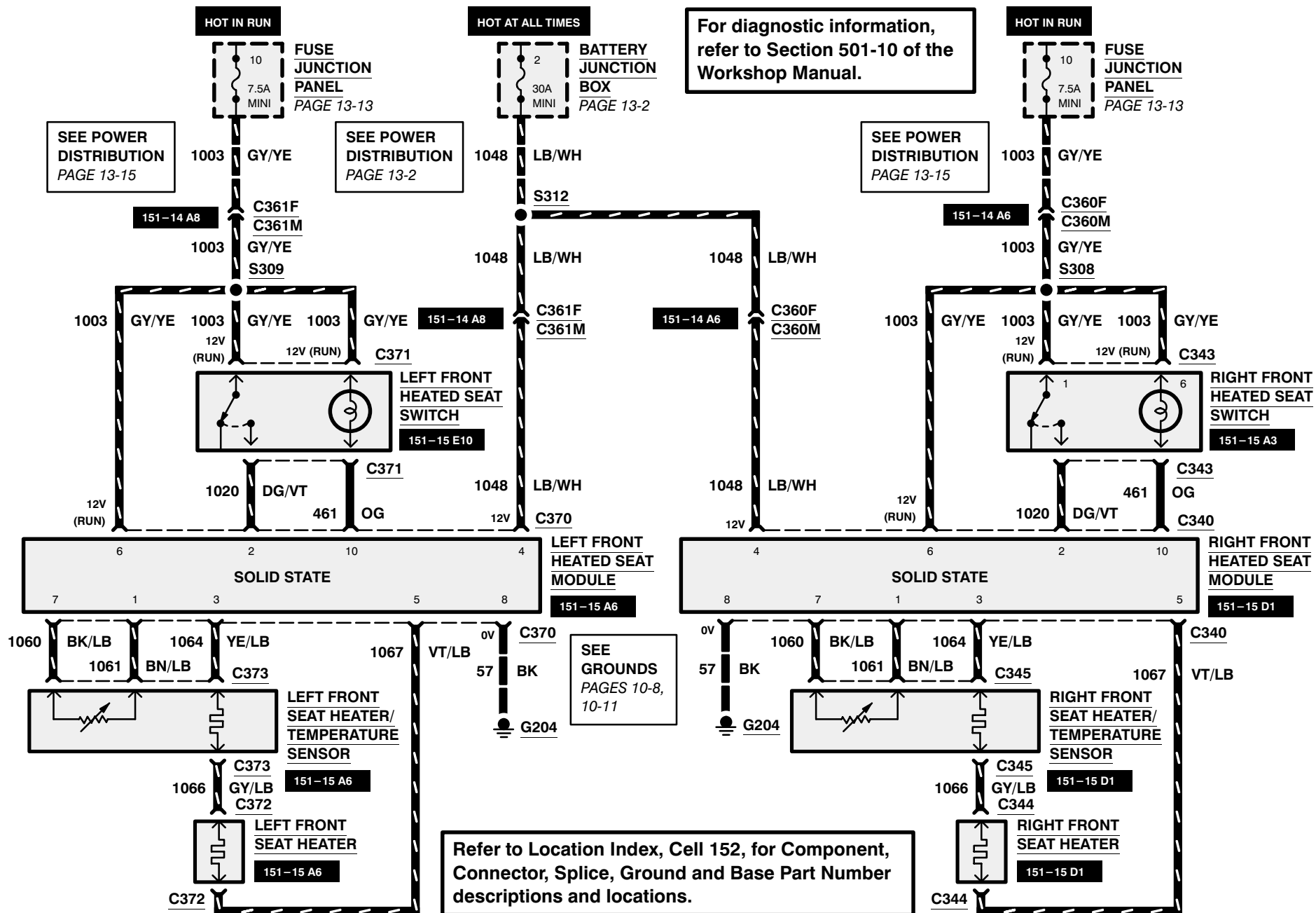
| CONNECTOR | SECTION-PAGE |
|-----------|--------------|
| C280      | 59-7         |
| C281      | 59-8         |
| C286      | 62-7         |
| C287      | 62-7         |

## NOTES 117-6

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

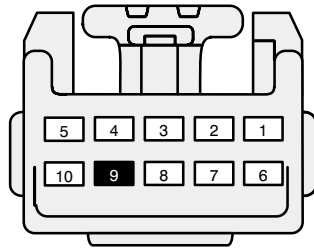
# 119-1 HEATED SEATS

1999 EXPLORER/MOUNTAINEER



# HEATED SEATS 119-2

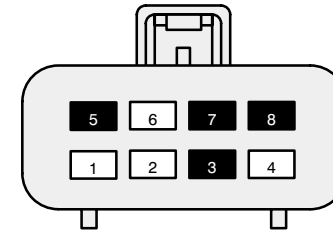
1999 EXPLORER/MOUNTAINEER



**C340**

**RIGHT FRONT HEATED SEAT MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION         |
|-----|--------------|--------------------------|
| 1   | 1061 (BN/LB) | Sensor Return            |
| 2   | 1020 (DG/VT) | Cushion Enable           |
| 3   | 1064 (YE/LB) | Heater Element Feed      |
| 4   | 1048 (LB/WH) | Power (Hot at All Times) |
| 5   | 1067 (VT/LB) | Heater Element Return    |
| 6   | 1003 (GY/YE) | Power (Hot in Run)       |
| 7   | 1060 (BK/LB) | Sensor Feed              |
| 8   | 57 (BK)      | Ground                   |
| 9   | —            | NOT USED                 |
| 10  | 461 (OG)     | Illumination Switch      |



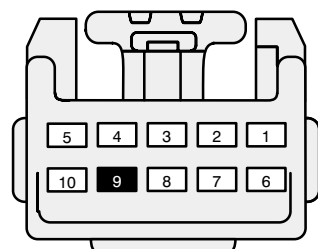
**C343**

**RIGHT FRONT HEATED SEAT SWITCH**

| PIN | CIRCUIT      | CIRCUIT FUNCTION   |
|-----|--------------|--------------------|
| 1   | 1003 (GY/YE) | Power (Hot in Run) |
| 2   | 1020 (DG/VT) | Switch Input       |
| 3   | —            | NOT USED           |
| 4   | 461 (OG)     | Illumination Input |
| 5   | —            | NOT USED           |
| 6   | 1003 (GY/YE) | Power (Hot in Run) |
| 7   | —            | NOT USED           |
| 8   | —            | NOT USED           |

# 119-3 HEATED SEATS

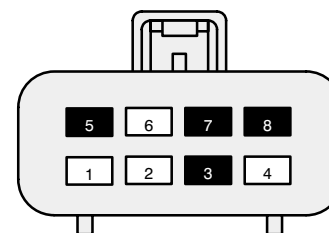
1999 EXPLORER/MOUNTAINEER



**C370**

**LEFT FRONT HEATED SEAT MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION         |
|-----|--------------|--------------------------|
| 1   | 1061 (BN/LB) | Sensor Return            |
| 2   | 1020 (DG/VT) | Cushion Enable           |
| 3   | 1064 (YE/LB) | Heater Element Feed      |
| 4   | 1048 (LB/WH) | Power (Hot at All Times) |
| 5   | 1067 (VT/LB) | Heater Element Return    |
| 6   | 1003 (GY/YE) | Power (Hot in Run)       |
| 7   | 1060 (BK/LB) | Sensor Feed              |
| 8   | 57 (BK)      | Ground                   |
| 9   | —            | NOT USED                 |
| 10  | 461 (OG)     | Illumination Switch      |



**C371**

**LEFT FRONT HEATED SEAT SWITCH**

| PIN | CIRCUIT      | CIRCUIT FUNCTION   |
|-----|--------------|--------------------|
| 1   | 1003 (GY/YE) | Power (Hot in Run) |
| 2   | 1020 (DG/VT) | Switch Input       |
| 3   | —            | NOT USED           |
| 4   | 461 (OG)     | Illumination Input |
| 5   | —            | NOT USED           |
| 6   | 1003 (GY/YE) | Power (Hot in Run) |
| 7   | —            | NOT USED           |
| 8   | —            | NOT USED           |

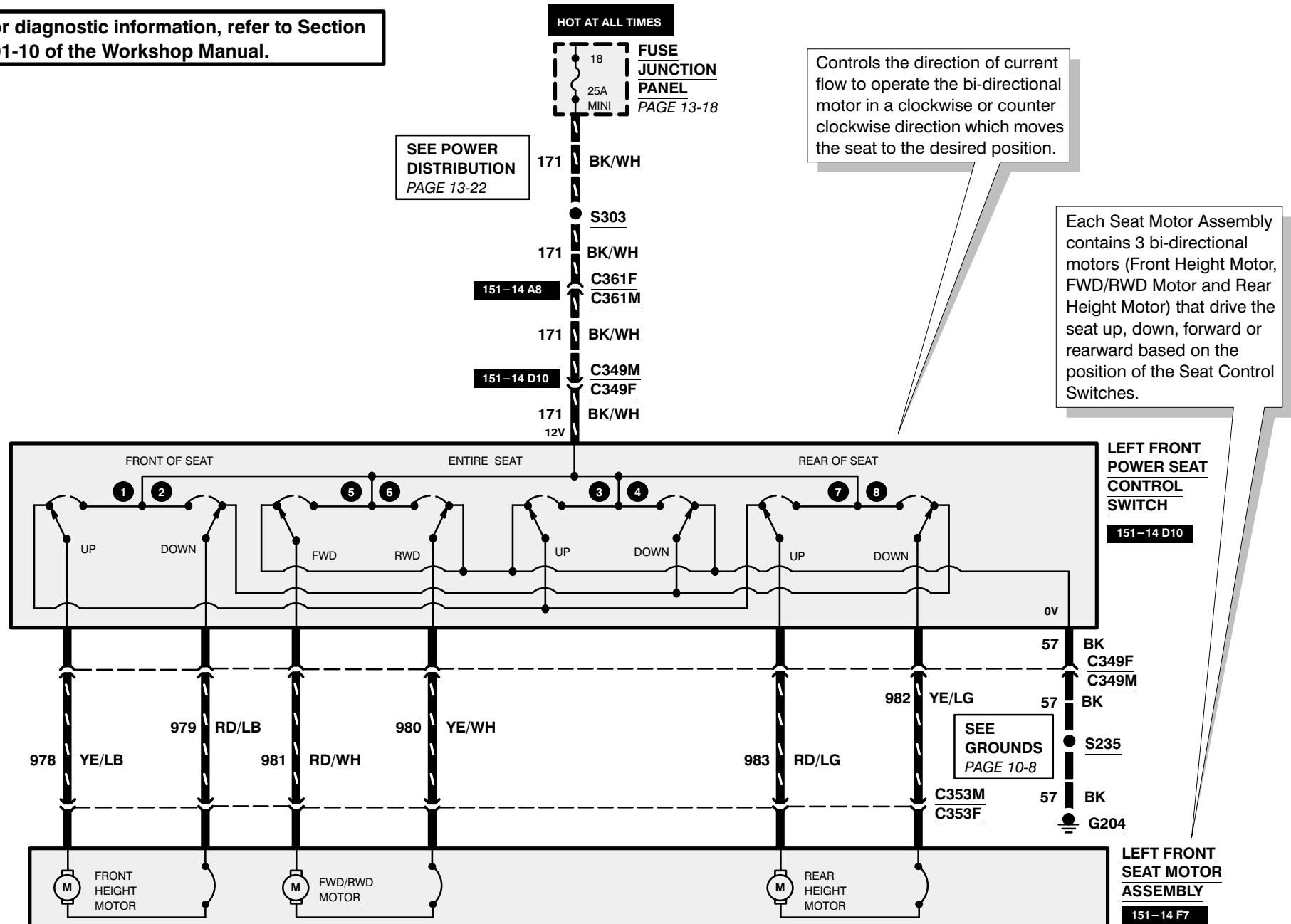
**NOTES 119-4**

**1999 EXPLORER/MOUNTAINEER**[illegible]

# 120-1 POWER SEATS

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to Section 501-10 of the Workshop Manual.



# POWER SEATS 120-2

1999 EXPLORER/MOUNTAINEER

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

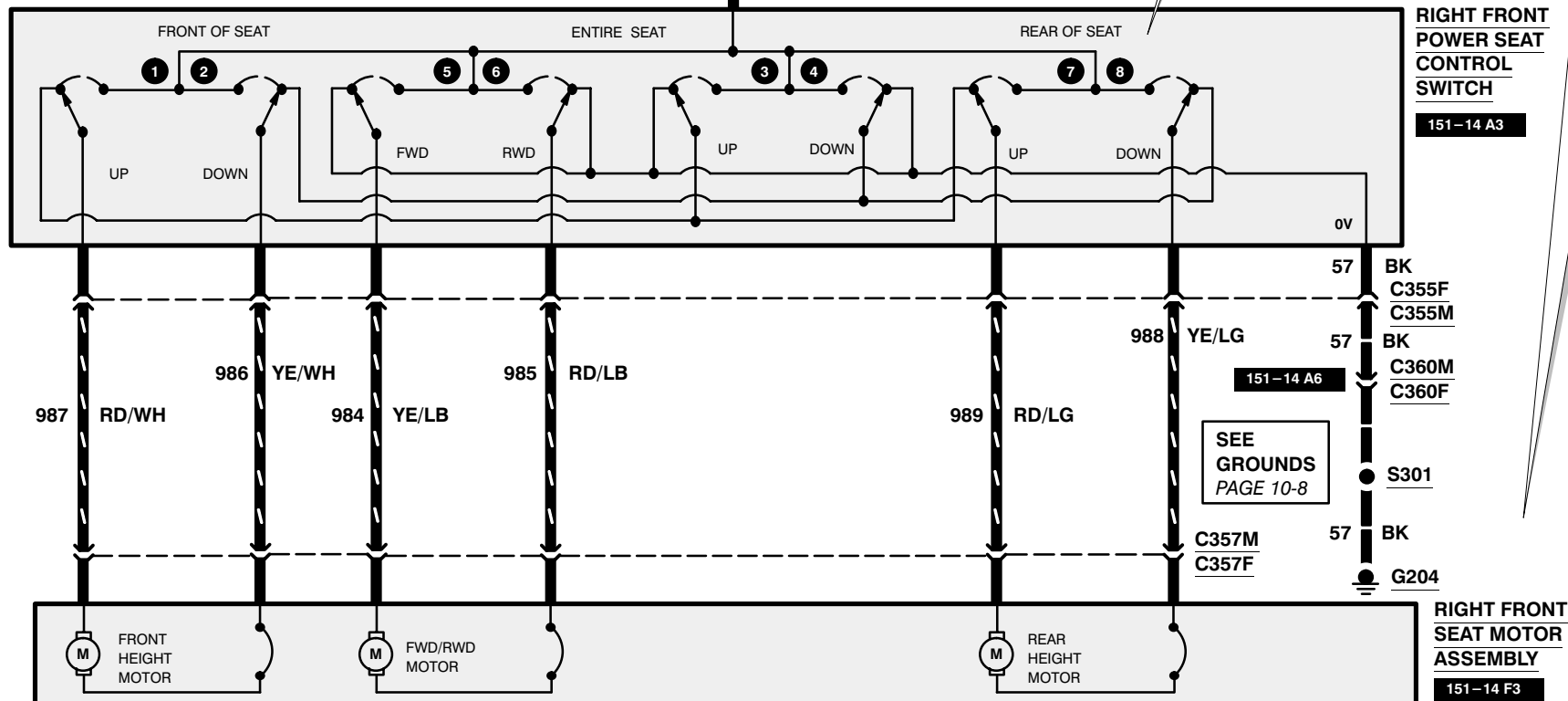
SEE POWER DISTRIBUTION  
PAGE 13-22

HOT AT ALL TIMES

FUSE JUNCTION PANEL  
PAGE 13-18

Controls the direction of current flow to operate the bi-directional motor in a clockwise or counter clockwise direction which moves the seat to the desired position.

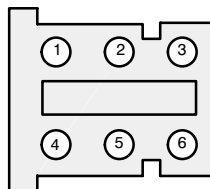
Each Seat Motor Assembly contains 3 bi-directional motors (Front Height Motor, FWD/RWD Motor and Rear Height Motor) that drive the seat up, down, forward or rearward based on the position of the Seat Control Switches.



# 120-3 POWER SEATS

1999 EXPLORER/MOUNTAINEER

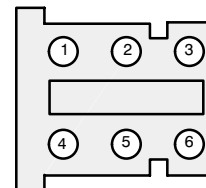
## W/O MEMORY SEATS



**C353 (BROWN)**

**LEFT FRONT SEAT MOTOR ASSEMBLY  
(HARNESS SIDE OF CONNECTOR)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                         |
|-----|-------------|------------------------------------------|
| 1   | 978 (YE/LB) | Seat Regulator Switch to Rear Motor LH   |
| 2   | 979 (RD/LB) | Seat Regulator Switch to Front Motor LH  |
| 3   | 981 (RD/WH) | Seat Regulator Switch to Front Motor LH  |
| 4   | 980 (YE/WH) | Seat Regulator Switch to Rear Motor LH   |
| 5   | 983 (RD/LG) | Seat Regulator Switch to Horiz. Motor LH |
| 6   | 982 (YE/LG) | Seat Regulator Switch to Horiz. Motor LH |



**C357 (BROWN)**

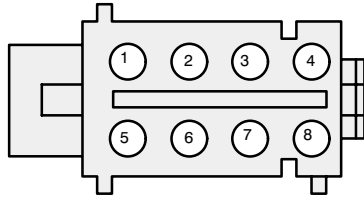
**RIGHT FRONT SEAT MOTOR ASSEMBLY  
(HARNESS SIDE OF CONNECTOR)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                         |
|-----|-------------|------------------------------------------|
| 1   | 984 (YE/LB) | Seat Regulator Switch to Front Motor RH  |
| 2   | 985 (RD/LB) | Seat Regulator Switch to Rear Motor RH   |
| 3   | 987 (RD/WH) | Seat Regulator Switch to Rear Motor RH   |
| 4   | 986 (YE/WH) | Seat Regulator Switch to Front Motor RH  |
| 5   | 989 (RD/LG) | Seat Regulator Switch to Horiz. Motor RH |
| 6   | 988 (YE/LG) | Seat Regulator Switch to Horiz. Motor RH |

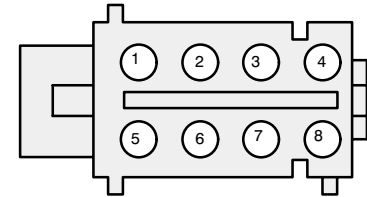
# POWER SEATS 120-4

1999 EXPLORER/MOUNTAINEER

## W/O MEMORY SEATS

**C349**

### LEFT FRONT POWER SEAT CONTROL SWITCH

**C355**

### RIGHT FRONT POWER SEAT CONTROL SWITCH

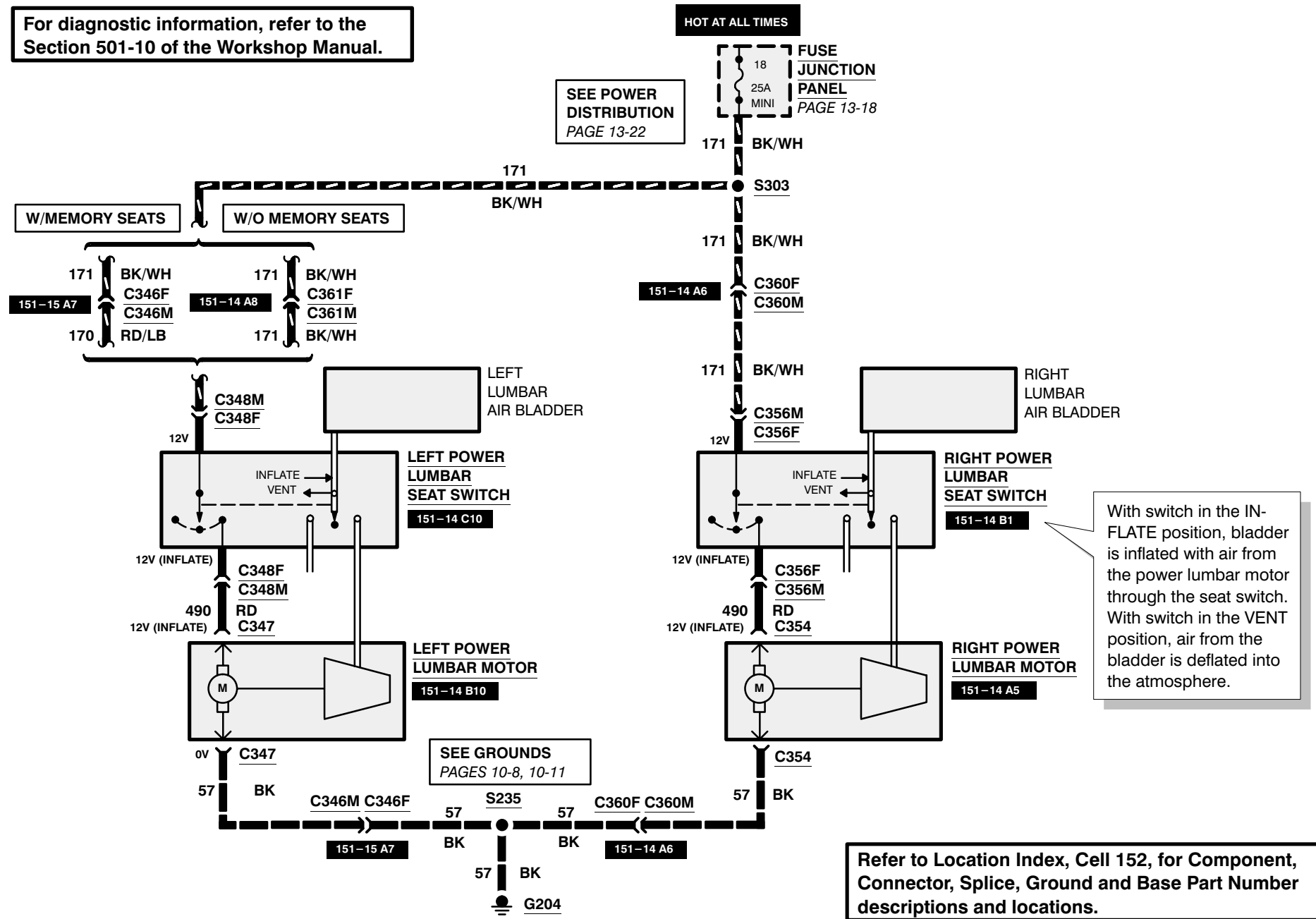
| PIN | CIRCUIT     | CIRCUIT FUNCTION                                    |
|-----|-------------|-----------------------------------------------------|
| 1   | 978 (YE/LB) | Seat Regulator Switch to Front Motor LH (DOWN)      |
| 2   | 171 (BK/WH) | Power (Hot at All Times)                            |
| 3   | 982 (YE/LG) | Seat Regulator Switch to Rear Motor LH (DOWN)       |
| 4   | 57 (BK)     | Ground                                              |
| 5   | 981 (RD/WH) | Seat Regulator Switch to Horiz. Motor LH (FORWARD)  |
| 6   | 980 (YE/WH) | Seat Regulator Switch to Horiz. Motor LH (REARWARD) |
| 7   | 979 (RD/LB) | Seat Regulator Switch to Front Motor LH (UP)        |
| 8   | 983 (RD/LG) | Seat Regulator Switch to Rear Motor LH (UP)         |

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                   |
|-----|-------------|----------------------------------------------------|
| 1   | 987 (RD/WH) | Seat Regulator Switch to Horiz. Motor RH (FORWARD) |
| 2   | 171 (BK/WH) | Power (Hot at All Times)                           |
| 3   | 988 (YE/LG) | Seat Regulator Switch to Rear Motor RH (DOWN)      |
| 4   | 57 (BK)     | Ground                                             |
| 5   | 984 (YE/LB) | Seat Regulator Switch to Front Motor RH (DOWN)     |
| 6   | 985 (RD/LB) | Seat Regulator Switch to Front Motor RH (UP)       |
| 7   | 986 (YE/WH) | Seat Regulator Switch Horiz. Motor RH (REARWARD)   |
| 8   | 989 (RD/LG) | Seat Regulator Switch Rear Motor RH (UP)           |

# 122-1 POWER LUMBAR SEATS

1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to the Section 501-10 of the Workshop Manual.



# NOTES 122-2

## 1999 EXPLORER/MOUNTAINEER

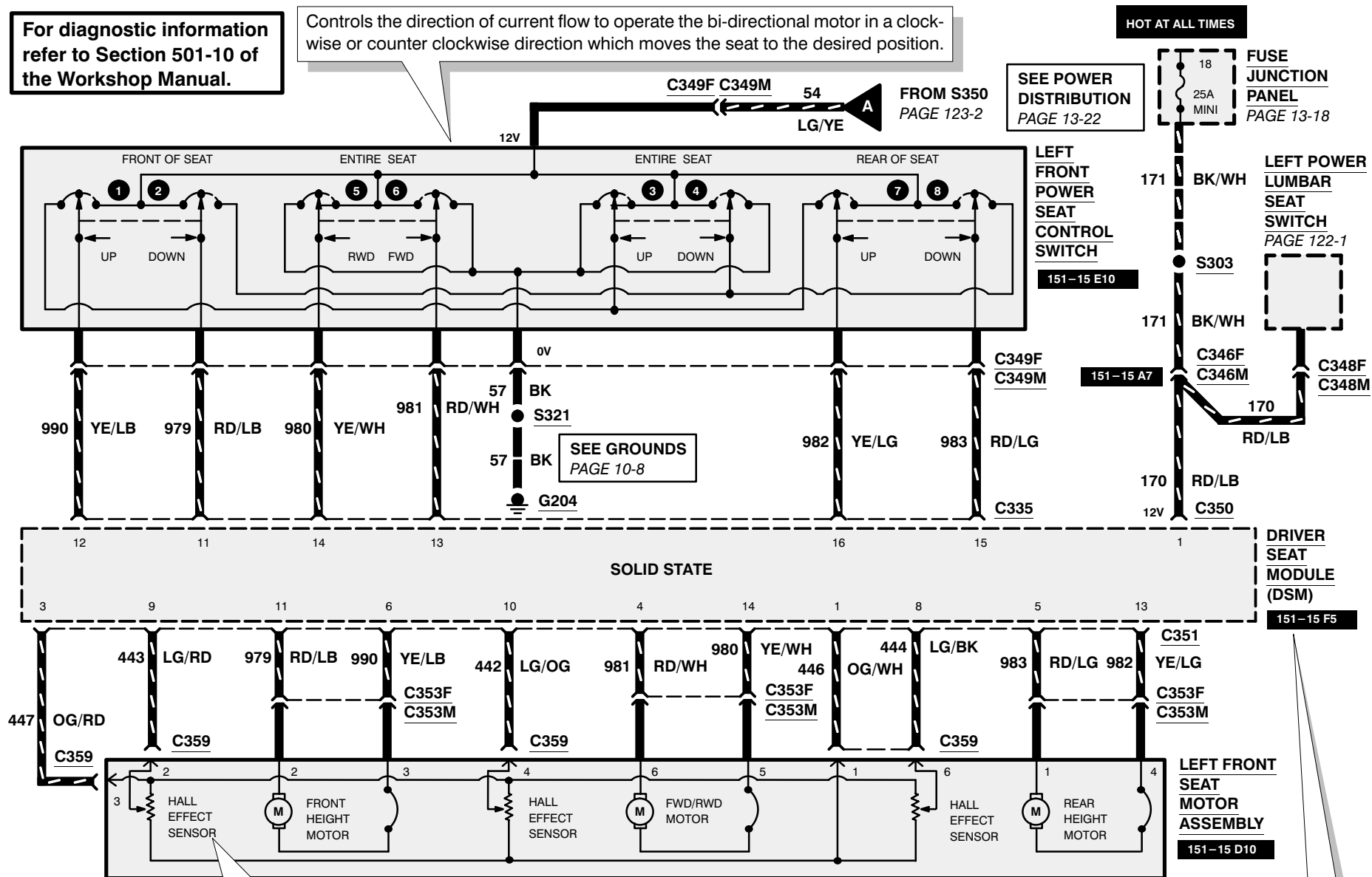
1999 EXPLORER/MOUNTAINEER

# 123-1 MEMORY SEAT

1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to Section 501-10 of the Workshop Manual.

Controls the direction of current flow to operate the bi-directional motor in a clockwise or counter clockwise direction which moves the seat to the desired position.

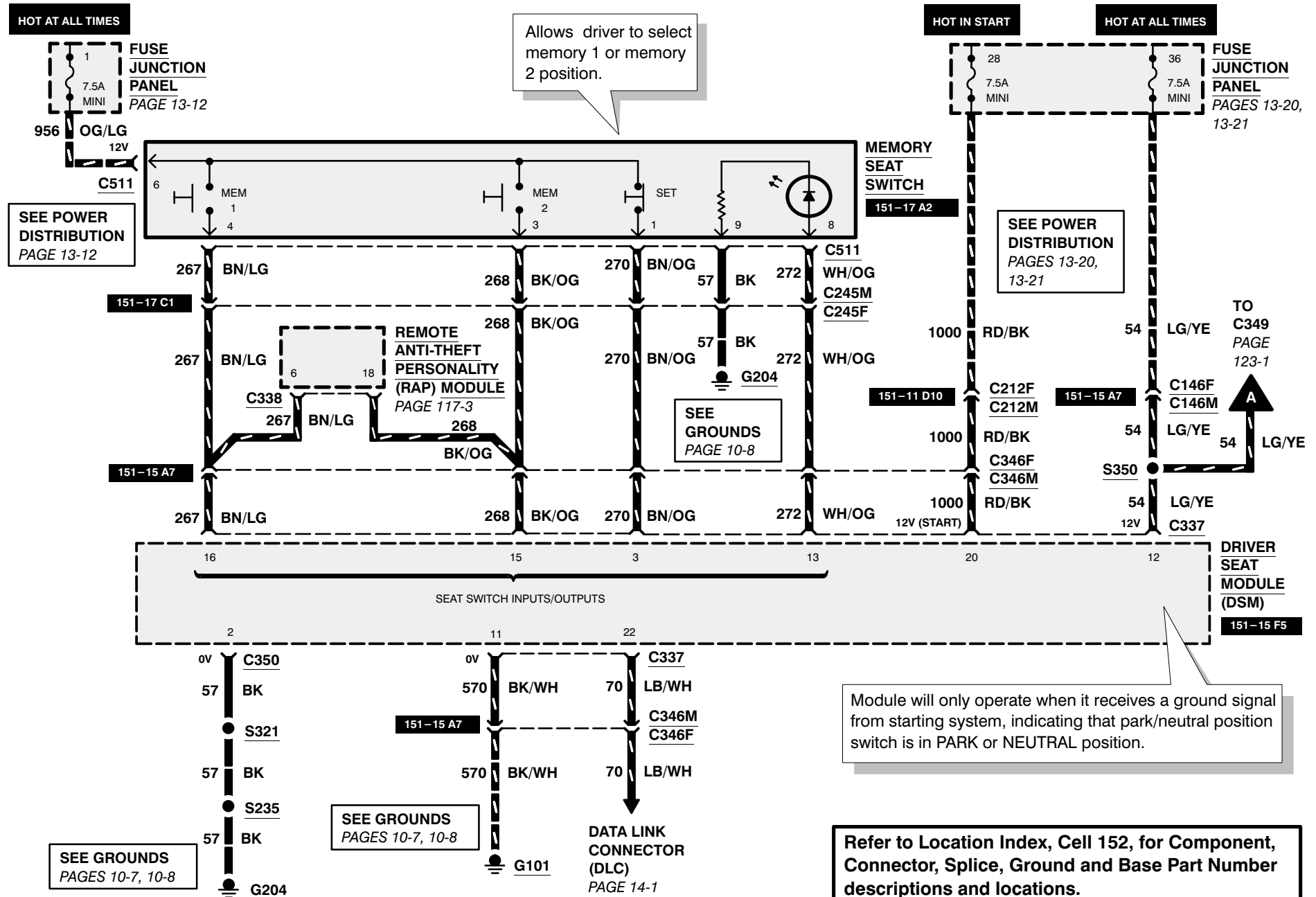


Each Seat Motor Assembly contains 3 bi-directional motors (Front Height Motor, FWD/RWD Motor and Rear Height Motor) that drive the seat up, down, forward or rearward based on the position of the Seat Control Switches.

The Memory Seat Module allows the driver to choose 1 of 2 positions.

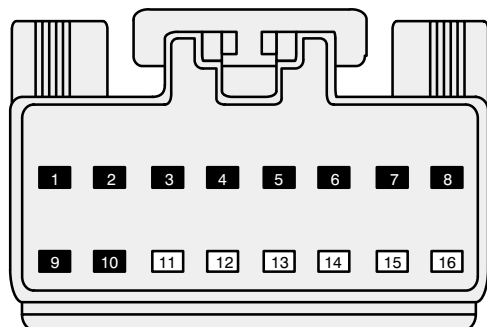
# MEMORY SEAT 123-2

1999 EXPLORER/MOUNTAINEER



# 123-3 MEMORY SEAT

1999 EXPLORER/MOUNTAINEER

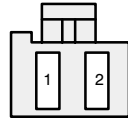


**C335 (NEUTRAL)  
DRIVER SEAT MODULE (DSM)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                               |
|-----|-------------|------------------------------------------------|
| 1   | —           | NOT USED                                       |
| 2   | —           | NOT USED                                       |
| 3   | —           | NOT USED                                       |
| 4   | —           | NOT USED                                       |
| 5   | —           | NOT USED                                       |
| 6   | —           | NOT USED                                       |
| 7   | —           | NOT USED                                       |
| 8   | —           | NOT USED                                       |
| 9   | —           | NOT USED                                       |
| 10  | —           | NOT USED                                       |
| 11  | 979 (RD/LB) | Seat Regulator Switch to Up Motor              |
| 12  | 990 (YE/LB) | Seat Regulator Switch to Down Motor            |
| 13  | 981 (RD/WH) | Seat Regulator Switch to Horiz. Forward Motor  |
| 14  | 980 (YE/WH) | Seat Regulator Switch to Horiz. Rearward Motor |
| 15  | 983 (RD/LG) | Seat Regulator Switch to Rear Tilt UP          |
| 16  | 982 (YE/LG) | Seat Regulator Switch to Rear Tilt Down        |

# MEMORY SEAT 123-4

1999 EXPLORER/MOUNTAINEER

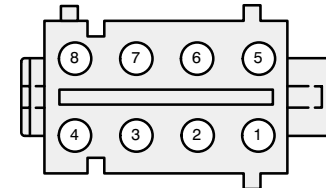


**C350 (GRAY)**

**DRIVER SEAT MODULE (DSM)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION |
|-----|-------------|------------------|
| 1   | 170 (RD/LB) | Power            |
| 2   | 57 (BK)     | Ground           |

**W/MEMORY SEATS**



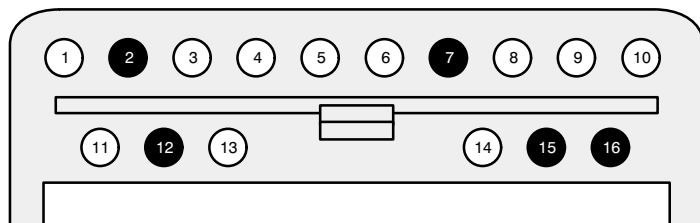
**C349 (GRAY)**

**LEFT FRONT POWER SEAT CONTROL SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                           |
|-----|-------------|--------------------------------------------|
| 1   | 983 (RD/LG) | Seat Regulator Switch to Rear Motor – LH   |
| 2   | 54 (LG/YE)  | Switch Feed                                |
| 3   | 981 (RD/WH) | Seat Regulator Switch to Horiz. Motor – LH |
| 4   | 57 (BK)     | Ground                                     |
| 5   | 990 (YE/LB) | Seat Regulator Switch to Front Motor – LH  |
| 6   | 982 (YE/LG) | Seat Regulator Switch to Rear Motor – LH   |
| 7   | 979 (RD/LB) | Seat Regulator Switch to Front Motor – LH  |
| 8   | 980 (YE/WH) | Seat Regulator Switch to Horiz. Motor – LH |

# 123-5 MEMORY SEAT

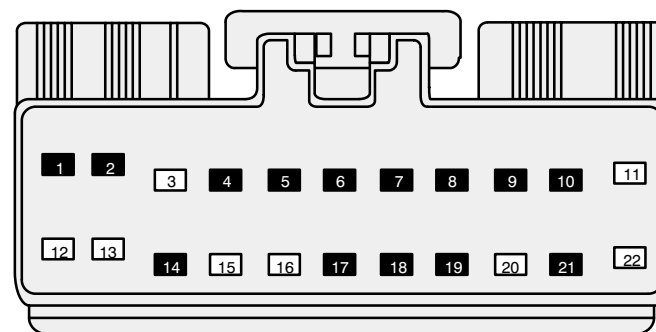
1999 EXPLORER/MOUNTAINEER



**C351 (BLACK)**

**DRIVER SEAT MODULE (DSM)**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                         |
|-----|-------------|----------------------------------------------------------|
| 1   | 447 (OG/RD) | Mod. Memory Seat – Seat Position Sensor (Sensor–)        |
| 2   | –           | NOT USED                                                 |
| 3   | 446 (OG/WH) | Seat Position Sensor to Memory Seat Mod. (Sensor+)       |
| 4   | 980 (YE/WH) | Seat Regulator Switch to Horiz. Motor Forward            |
| 5   | 982 (YE/LG) | Seat Regulator Switch to Rear Tilt Motor Up              |
| 6   | 990 (YE/LB) | Seat Regulator Switch to F. Tilt Down Motor              |
| 7   | –           | NOT USED                                                 |
| 8   | 444 (LG/BK) | Mod. Memory Seat–Seat Position Sensor (Rear Tilt Sense)  |
| 9   | 443 (LG/RD) | Mod. Memory Seat–Seat Position Sensor (Front Tilt Sense) |
| 10  | 442 (LG/OG) | Mod. Memory Seat–Seat Position Sensor (Horiz. Sense)     |
| 11  | 979 (RD/LB) | Seat Regulator Switch to Front Tilt Motor Up             |
| 12  | –           | NOT USED                                                 |
| 13  | 983 (RD/LG) | Seat Regulator Switch to R.Tilt Down Motor               |
| 14  | 981 (RD/WH) | Seat Regulator Switch to Horiz. Rearward Motor           |
| 15  | –           | NOT USED                                                 |
| 16  | –           | NOT USED                                                 |



**C337**

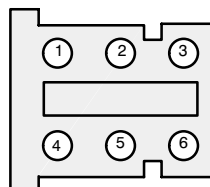
**DRIVER SEAT MODULE (DSM)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                                      |
|-----|--------------|-------------------------------------------------------|
| 1   | –            | NOT USED                                              |
| 2   | –            | NOT USED                                              |
| 3   | 270 (BN/OG)  | Memory Seat Switch Set                                |
| 4   | –            | NOT USED                                              |
| 5   | –            | NOT USED                                              |
| 6   | –            | NOT USED                                              |
| 7   | –            | NOT USED                                              |
| 8   | –            | NOT USED                                              |
| 9   | –            | NOT USED                                              |
| 10  | –            | NOT USED                                              |
| 11  | 570 (BK/WH)  | Logic Ground (Type 1 Ground)                          |
| 12  | 54 (LG/YE)   | Logic Power                                           |
| 13  | 272 (WH/OG)  | Memory Seat Switch Lamp Drive                         |
| 14  | –            | NOT USED                                              |
| 15  | 268 (BK/OG)  | Memory Seat Switch Position #2                        |
| 16  | 267 (BN/LG)  | Memory Seat Switch Position #1                        |
| 17  | –            | NOT USED                                              |
| 18  | –            | NOT USED                                              |
| 19  | –            | NOT USED                                              |
| 20  | 1000 (RD/BK) | Power Feed “Hot in Start” (Ground in Park or Neutral) |
| 21  | –            | NOT USED                                              |
| 22  | 70 (LB/WH)   | ISO 9141                                              |

# MEMORY SEATS 123-6

1999 EXPLORER/MOUNTAINEER

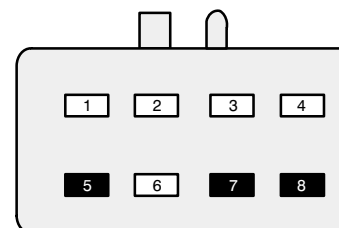
## W/MEMORY SEATS



**C353 (BROWN)**  
**LEFT FRONT SEAT MOTOR ASSEMBLY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                         |
|-----|-------------|------------------------------------------|
| 1   | 983 (RD/LG) | Seat Regulator Switch to Rear Motor—LH   |
| 2   | 979 (RD/LB) | Seat Regulator Switch to Horiz. Motor—LH |
| 3   | 990 (YE/LB) | Seat Regulator Switch to Front Motor—LH  |
| 4   | 982 (YE/LG) | Seat Regulator Switch to Rear Motor—LH   |
| 5   | 980 (YE/WH) | Seat Regulator Switch to Horiz. Motor—LH |
| 6   | 981 (RD/WH) | Seat Regulator Switch to Horiz. Motor—LH |

## W/MEMORY SEATS

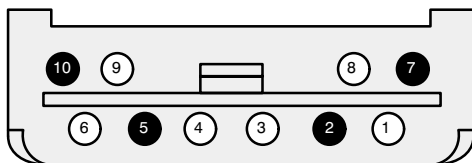


**C359**  
**LEFT FRONT SEAT MOTOR ASSEMBLY**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                                          |
|-----|-------------|-----------------------------------------------------------|
| 1   | 446 (OG/WH) | Seat Position Sensor to Memory Seat Mod. (Sensor +)       |
| 2   | 443 (LG/RD) | Seat Position Sensor (Front Sensor) to Memory Seat Module |
| 3   | 447 (OG/RD) | Memory Seat Module to Seat Position Sensor (Sensor —)     |
| 4   | 442 (LG/OG) | Seat Position Sensor (Horiz. Sense) to Memory Seat Module |
| 5   | —           | NOT USED                                                  |
| 6   | 444 (LG/BK) | Seat Position Sensor (Rear Sense) to Memory Seat Module   |
| 7   | —           | NOT USED                                                  |
| 8   | —           | NOT USED                                                  |

# 123-7 MEMORY SEAT

1999 EXPLORER/MOUNTAINEER



**C511 (BLACK)**  
**MEMORY SEAT SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION               |
|-----|-------------|--------------------------------|
| 1   | 270 (BN/OG) | Memory Seat Switch Set         |
| 2   | —           | NOT USED                       |
| 3   | 268 (BK/OG) | Memory Seat Switch Position #2 |
| 4   | 267 (BN/LG) | Memory Seat Switch Position #1 |
| 5   | —           | NOT USED                       |
| 6   | 956 (OG/LG) | Power (Hot at All Times)       |
| 7   | —           | NOT USED                       |
| 8   | 272 (WH/OG) | Memory Seat Switch Lamp Drive  |
| 9   | 57 (BK)     | Ground                         |
| 10  | —           | NOT USED                       |

# NOTES 123-8

## 1999 EXPLORER/MOUNTAINEER

1999 EXPLORER/MOUNTAINEER

# 124-1 POWER MIRRORS

1999 EXPLORER/MOUNTAINEER

For diagnostic information refer to Section 501-09 of the Workshop Manual.

HOT AT ALL TIMES

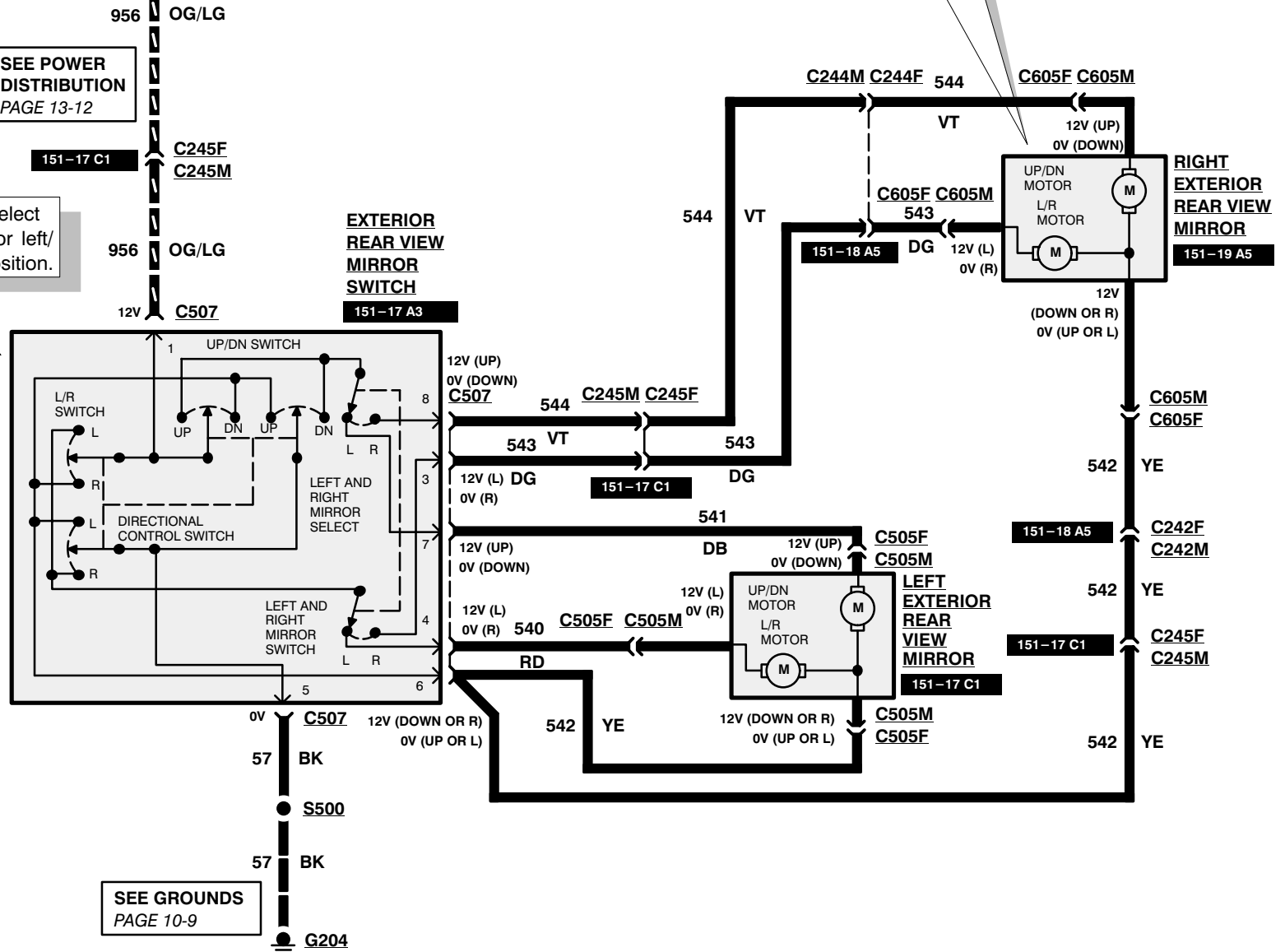
FUSE  
JUNCTION  
PANEL  
PAGE 13-12

SEE POWER  
DISTRIBUTION  
PAGE 13-12

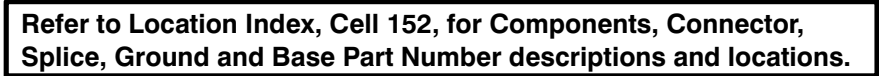
Enables the operator to select either up/down (vertical) or left/right (horizontal) mirror position.

WITHOUT  
ELECTRONICS  
GROUP

Reversing current in two bi-directional motors enables the mirror to move both vertically (up and down) and horizontally (left and right).

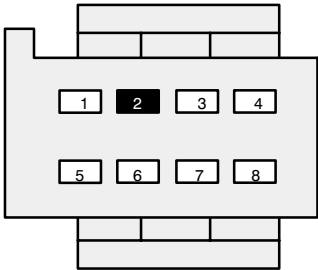


## 1999 EXPLORER/MOUNTAINEER



# 124-3 POWER MIRRORS

1999 EXPLORER/MOUNTAINEER

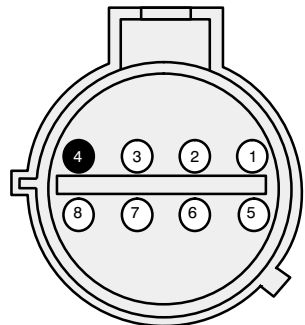


**C507 (GRAY)**  
**EXTERIOR REAR VIEW MIRROR SWITCH**

| PIN | CIRCUIT     | CIRCUIT FUNCTION             |
|-----|-------------|------------------------------|
| 1   | 956 (OG/LG) | Power (Hot at All Times)     |
| 2   | —           | NOT USED                     |
| 3   | 543 (DG)    | Right L/R Motor Control      |
| 4   | 540 (RD)    | Left L/R Motor Control       |
| 5   | 57 (BK)     | Ground                       |
| 6   | 542 (YE)    | Left and Right Motor Control |
| 7   | 541 (DB)    | Left UP/DN Motor Control     |
| 8   | 544 (VT)    | Right UP/DN Motor Control    |

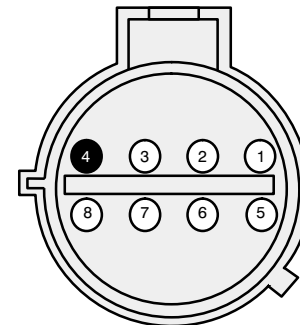
# POWER MIRRORS 124-4

1999 EXPLORER/MOUNTAINEER



**C509**  
**LEFT EXTERIOR REAR**  
**VIEW MIRROR**

| PIN | CIRCUIT    | CIRCUIT FUNCTION      |
|-----|------------|-----------------------|
| 1   | 541 (DB)   | Left UP/DN Motor Feed |
| 2   | 540 (RD)   | Left L/R Motor Feed   |
| 3   | 57 (BK)    | Heater Ground         |
| 4   | —          | NOT USED              |
| 5   | 542 (YE)   | Left Motor Return     |
| 6   | 57 (BK)    | Ground                |
| 7   | 55 (BK/PK) | Switch Power          |
| 8   | 59 (DG/VT) | Heater Power          |



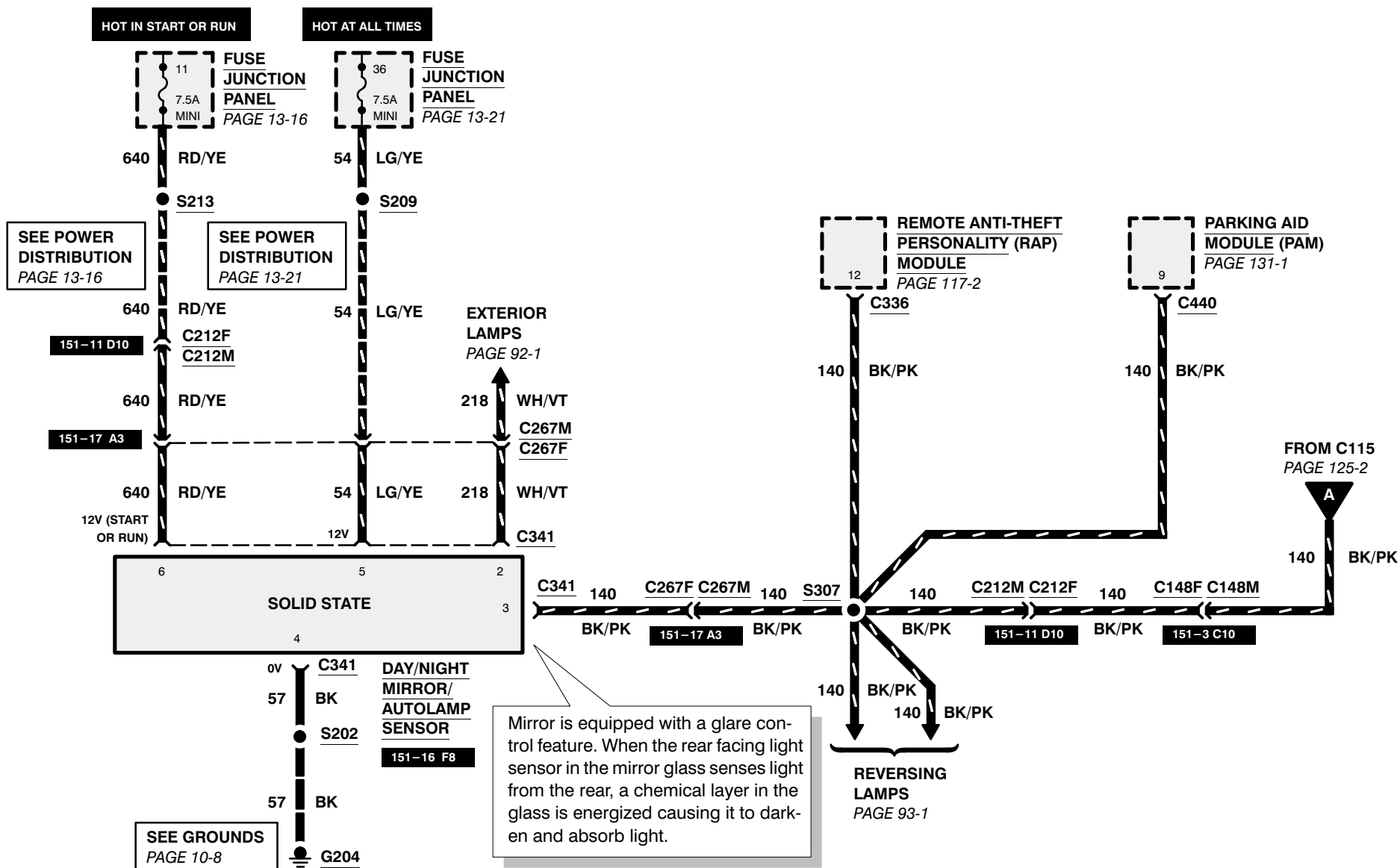
**C606**  
**RIGHT EXTERIOR REAR**  
**VIEW MIRROR**

| PIN | CIRCUIT    | CIRCUIT FUNCTION       |
|-----|------------|------------------------|
| 1   | 544 (VT)   | Right UP/DN Motor Feed |
| 2   | 543 (DG)   | Right L/R Motor Feed   |
| 3   | 57 (BK)    | Heater Ground          |
| 4   | —          | NOT USED               |
| 5   | 542 (YE)   | Right Motor Return     |
| 6   | 57 (BK)    | Ground                 |
| 7   | 55 (BK/PK) | Switch Power           |
| 8   | 59 (DG/VT) | Heater Power           |

# 125-1 AUTOMATIC DAY/NIGHT MIRRORS

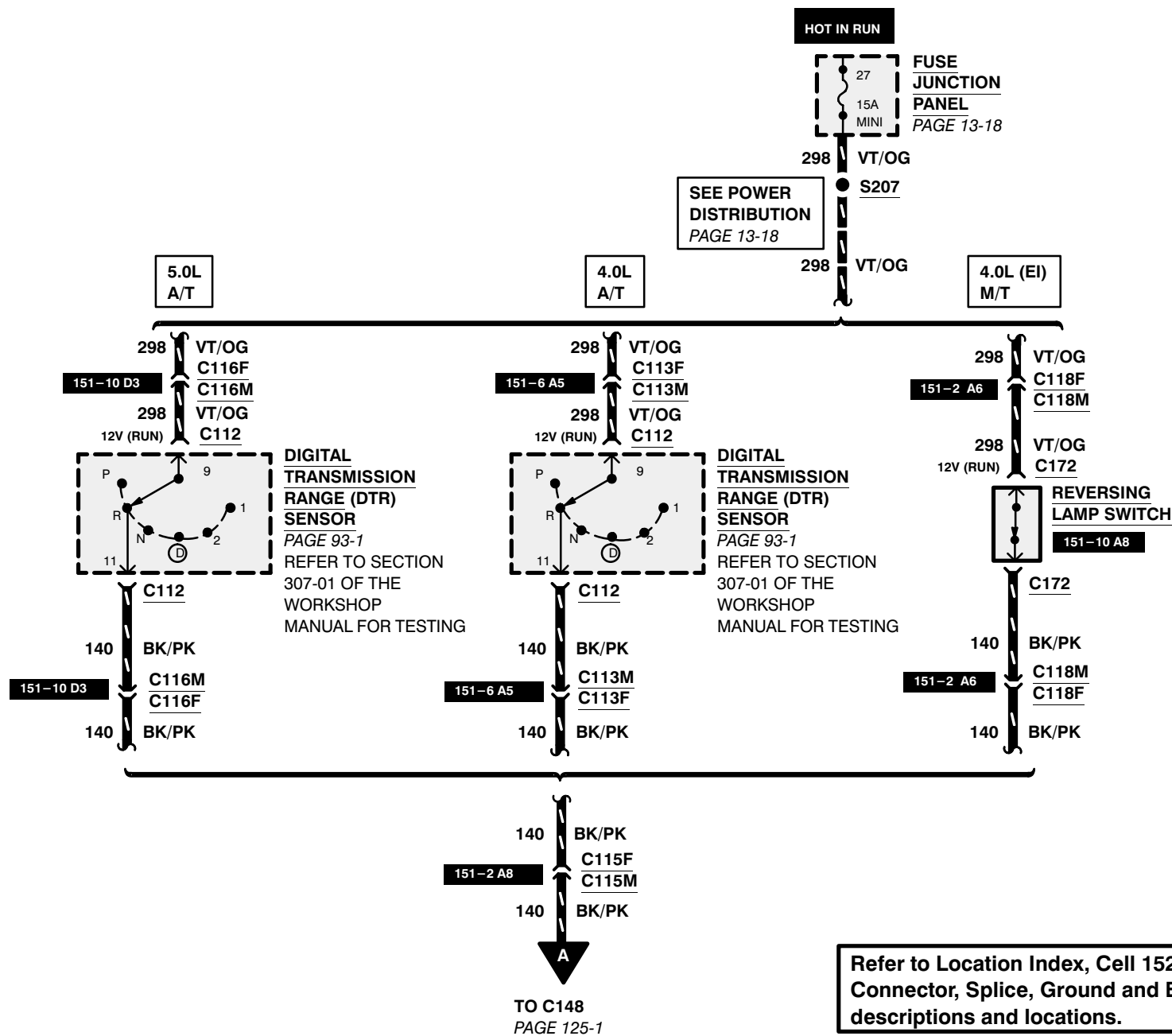
1999 EXPLORER/MOUNTAINEER

For diagnostic information, refer to  
Section 501-09 of the Workshop Manual.



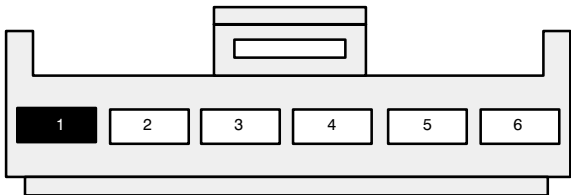
# AUTOMATIC DAY/NIGHT MIRRORS 125-2

1999 EXPLORER/MOUNTAINEER



# 125-3    AUTOMATIC DAY/NIGHT MIRRORS

1999 EXPLORER/MOUNTAINEER



**C341F (BLACK)**  
**DAY/NIGHT MIRROR/AUTOLAMP SENSOR**

| PIN | CIRCUIT     | CIRCUIT FUNCTION            |
|-----|-------------|-----------------------------|
| 1   | —           | NOT USED                    |
| 2   | 218 (WH/VT) | Park Lamp Relay Control     |
| 3   | 140 (BK/PK) | Reverse Input               |
| 4   | 57 (BK)     | Ground                      |
| 5   | 54 (LG/YE)  | Power (Hot at All Times)    |
| 6   | 640 (RD/YE) | Power (Hot in Start or Run) |

## 1999 EXPLORER/MOUNTAINEER

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

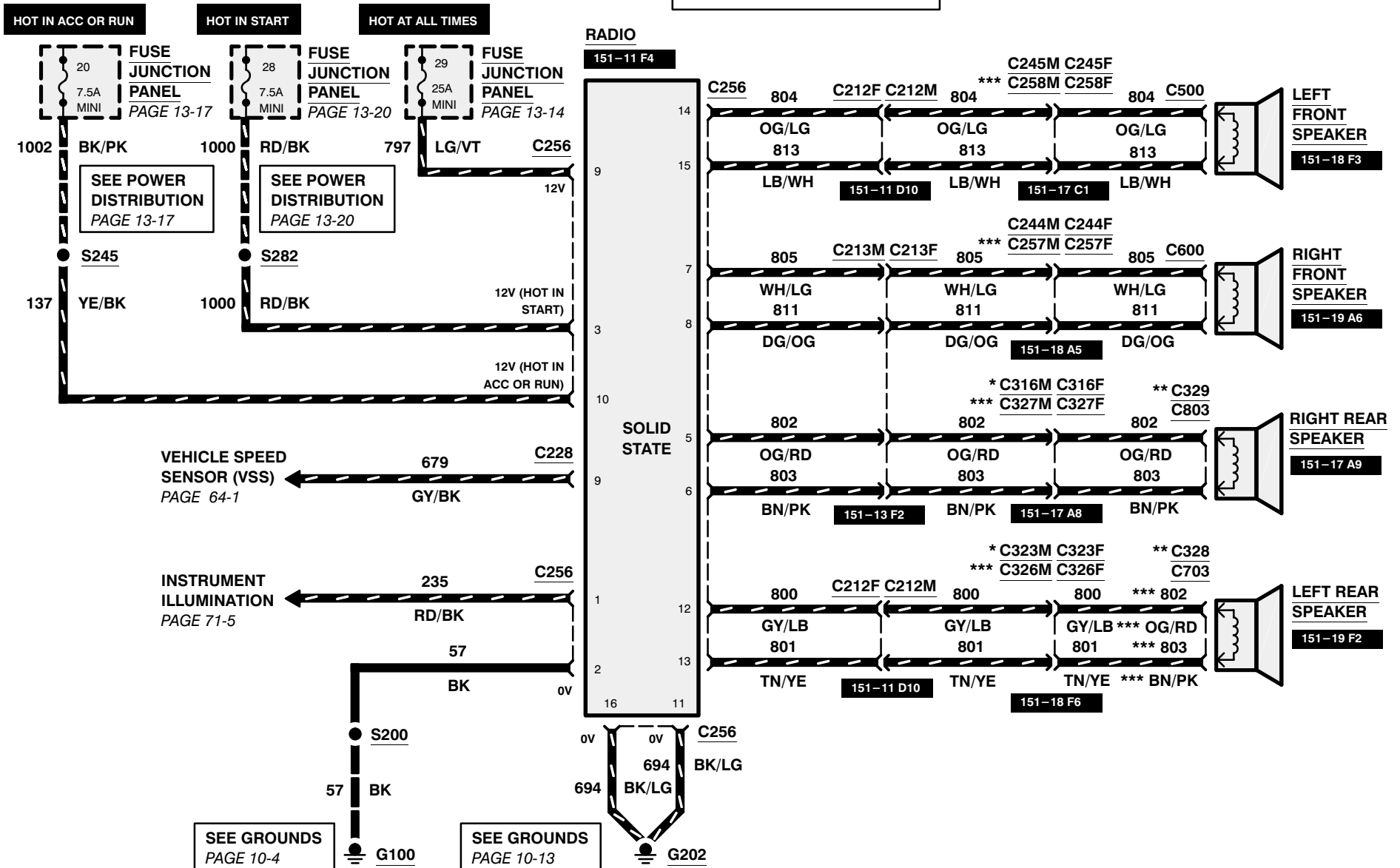
# 130-1 RADIO

1999 EXPLORER/MOUNTAINEER

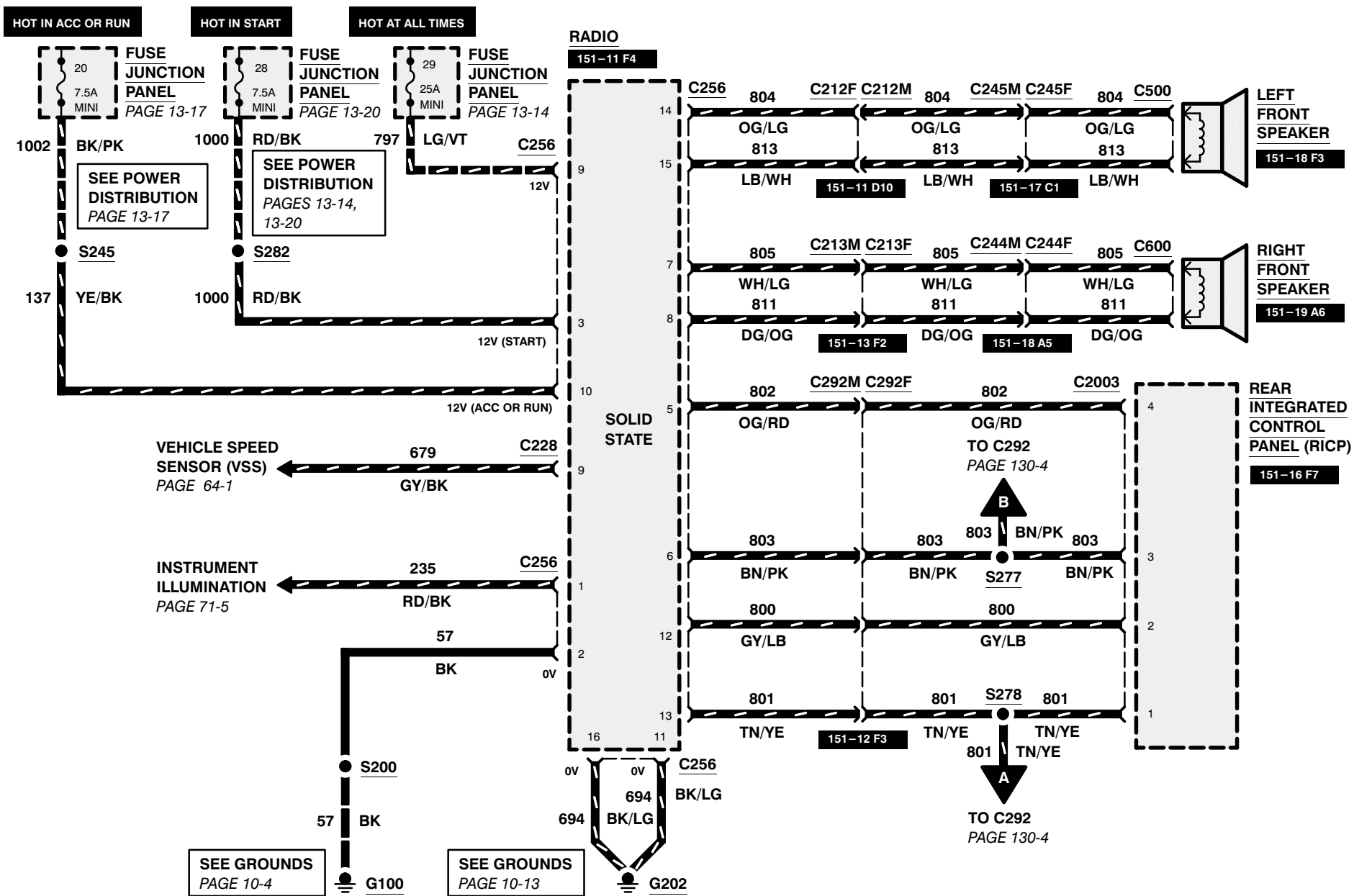
For diagnostic information, refer to the Radio Diagnostics Manual and Sections 415-00 of the Workshop Manual.

\* 4 DOOR  
\*\* 2 DOOR  
\*\*\* LESS POWER EQUIPMENT GROUP

W/O HIGH SERIES CONSOLE

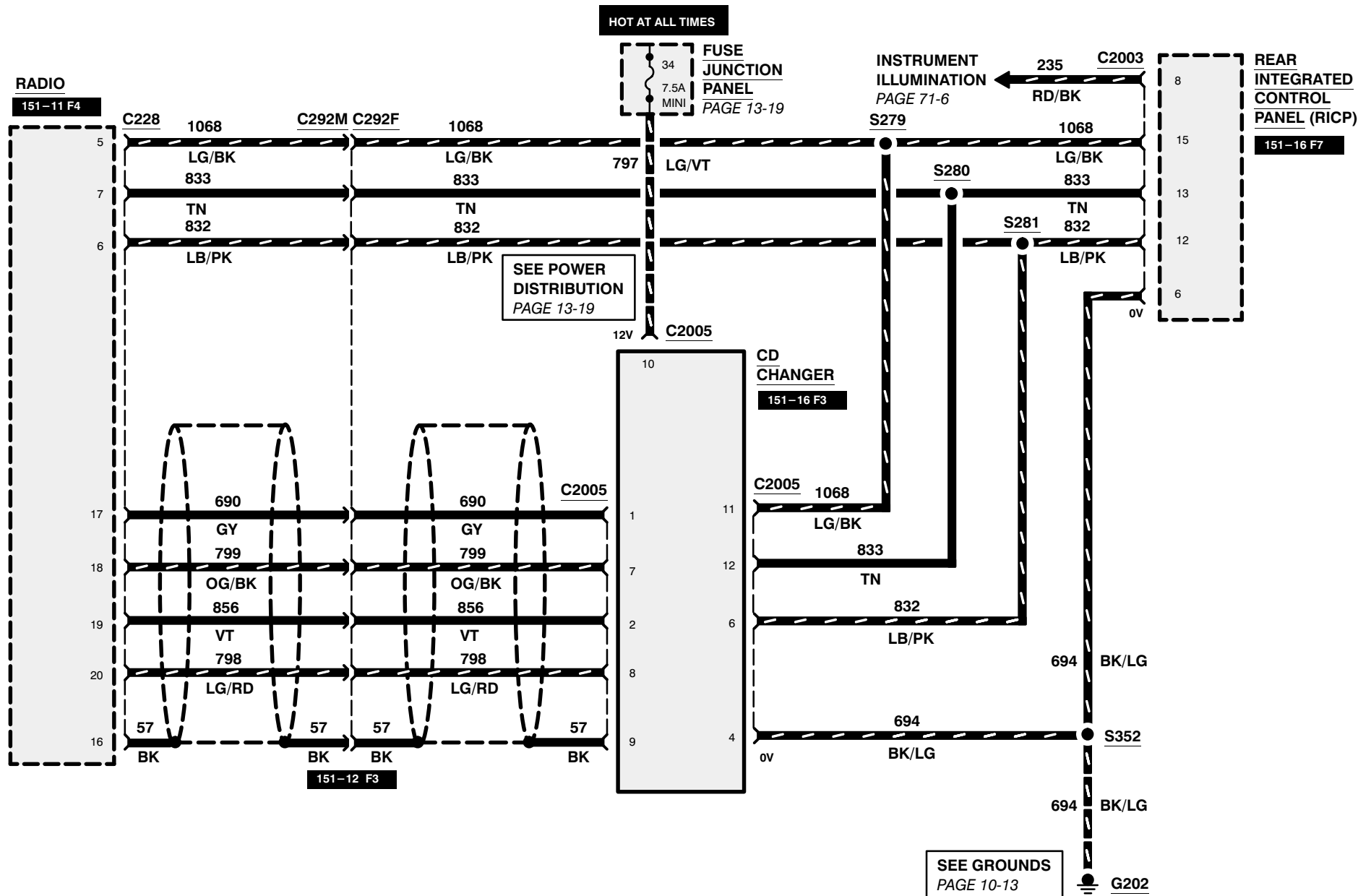


## 1999 EXPLORER/MOUNTAINEER



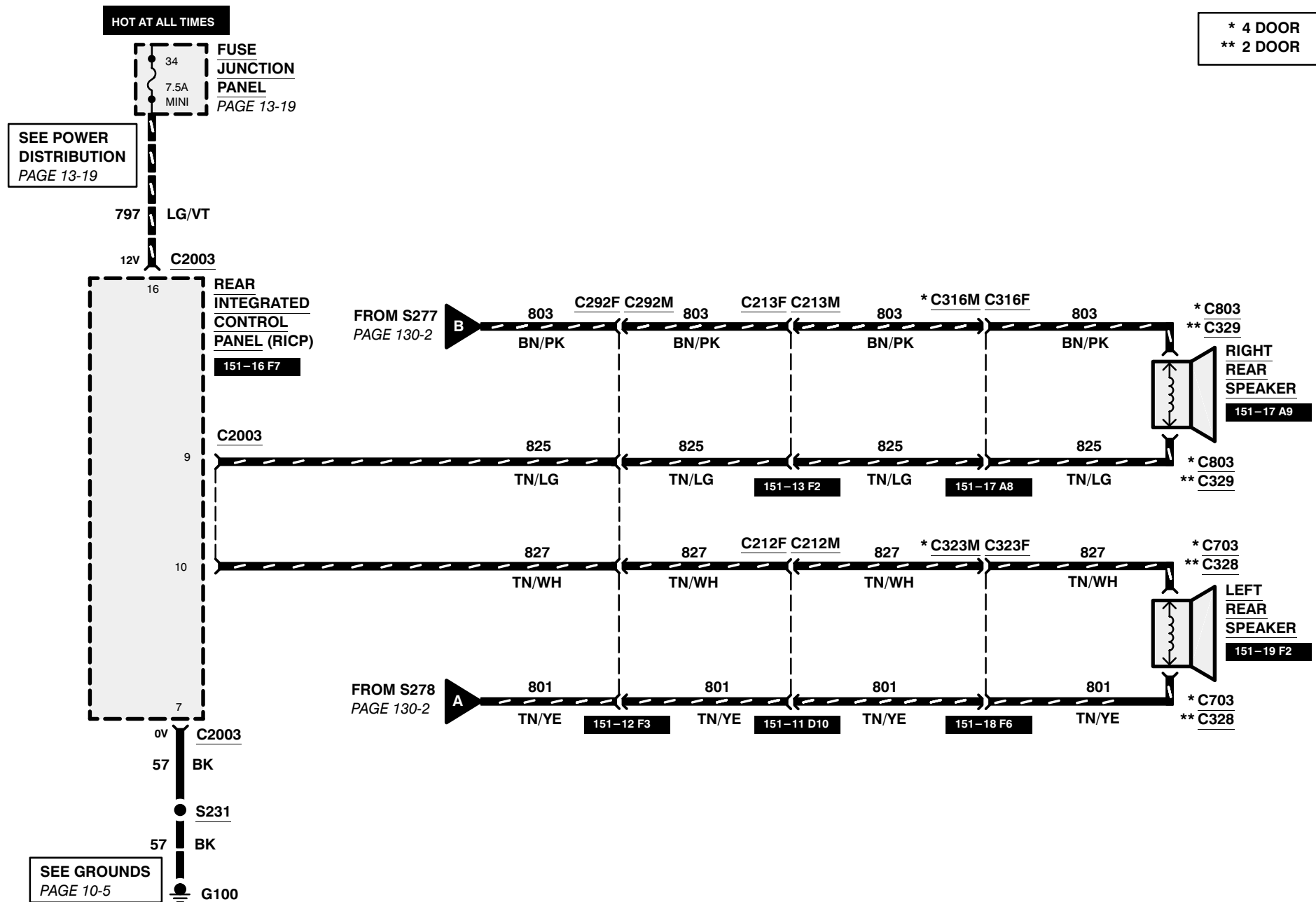
# 130-3 RADIO

1999 EXPLORER/MOUNTAINEER



# RADIO 130-4

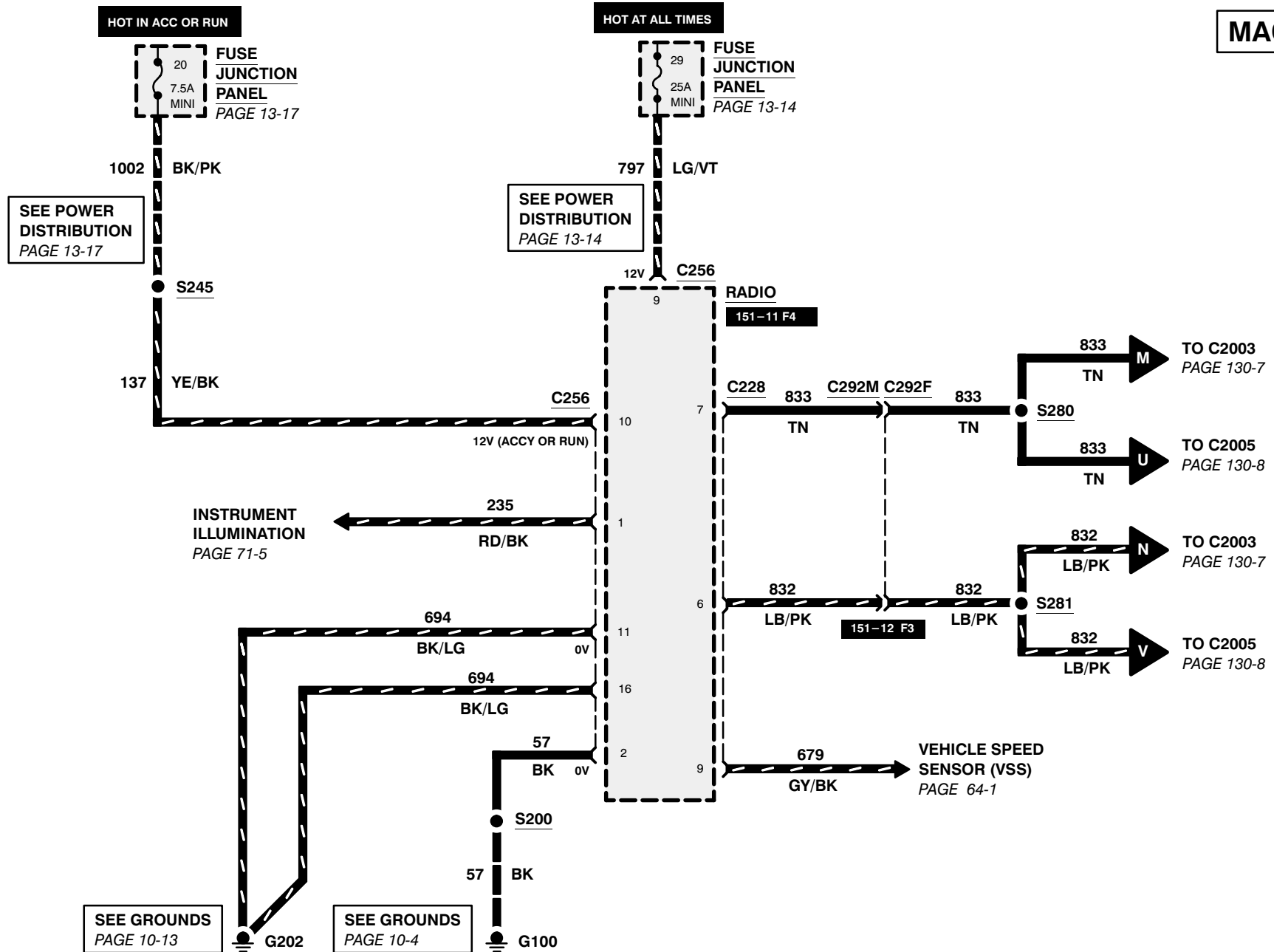
1999 EXPLORER/MOUNTAINEER



# 130-5 RADIO

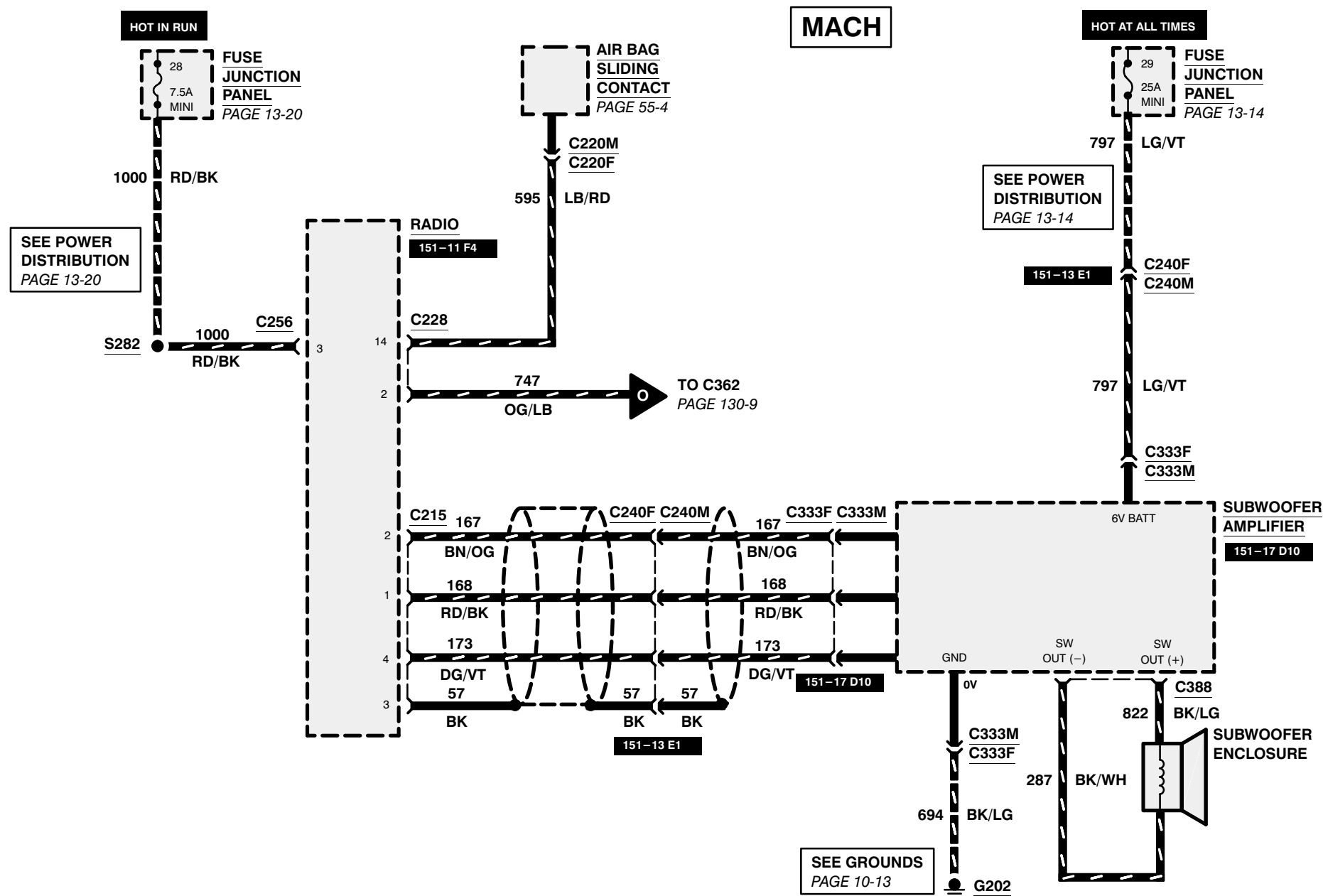
1999 EXPLORER/MOUNTAINEER

MACH



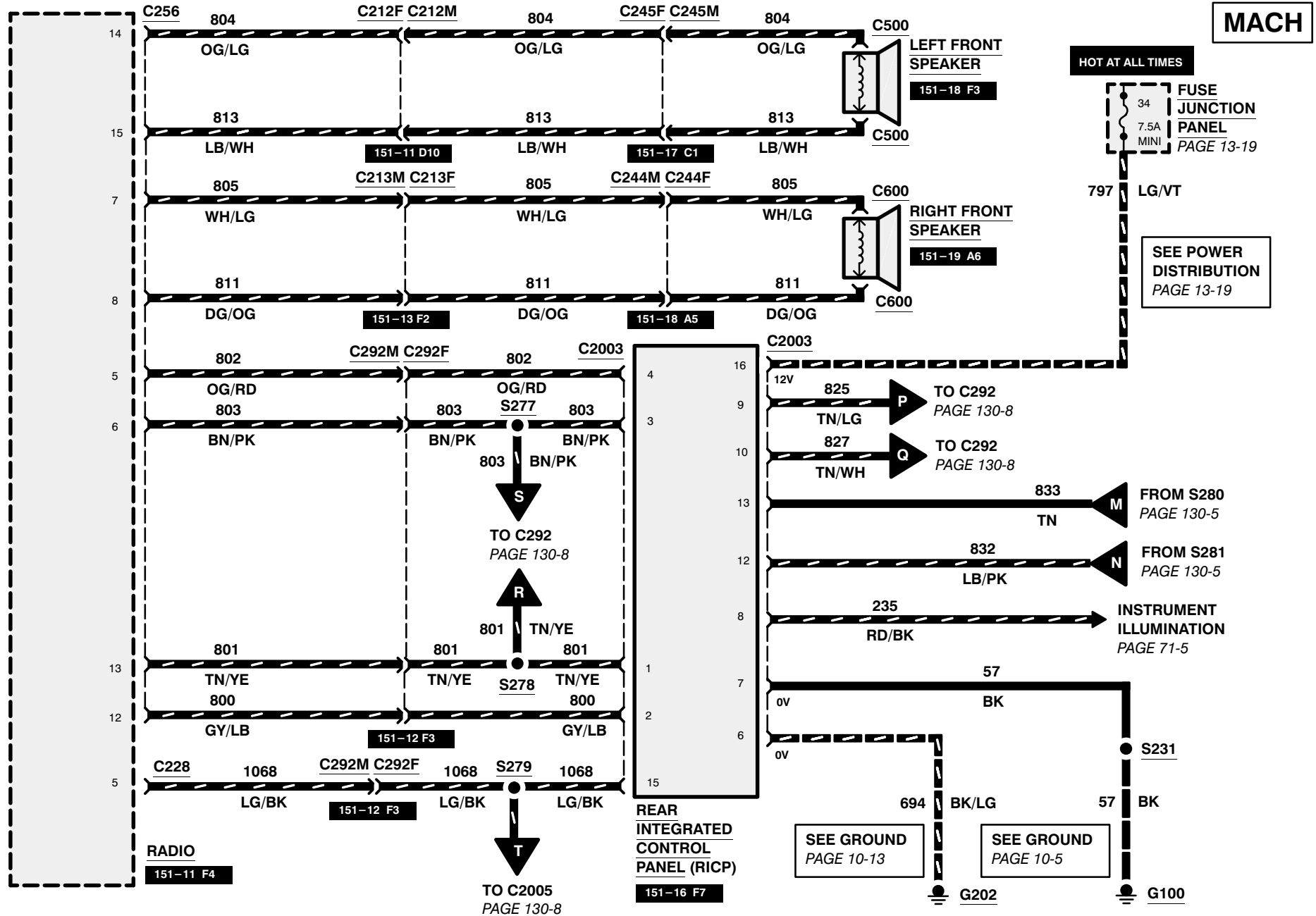
# RADIO 130-6

1999 EXPLORER/MOUNTAINEER



# 130-7 RADIO

1999 EXPLORER/MOUNTAINEER



# RADIO 130-8

1999 EXPLORER/MOUNTAINEER

## RADIO

151-11 F4

\* 4 DOOR  
\*\* 2 DOOR

## CD CHANGER

151-16 F3

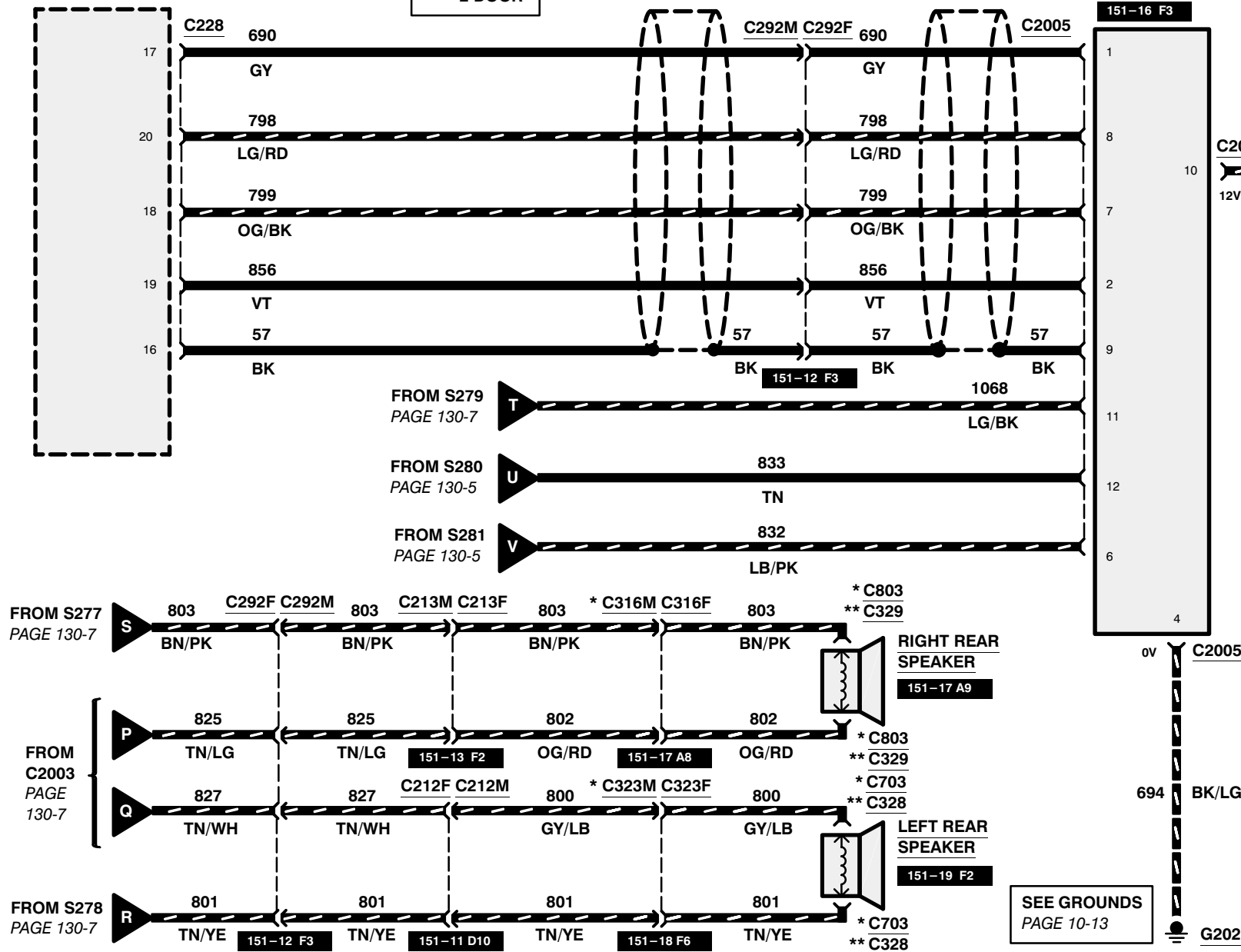
HOT AT ALL TIMES

FUSE JUNCTION PANEL  
PAGE 13-19

797 LG/VT

C2005  
12V

SEE POWER DISTRIBUTION  
PAGE 13-19

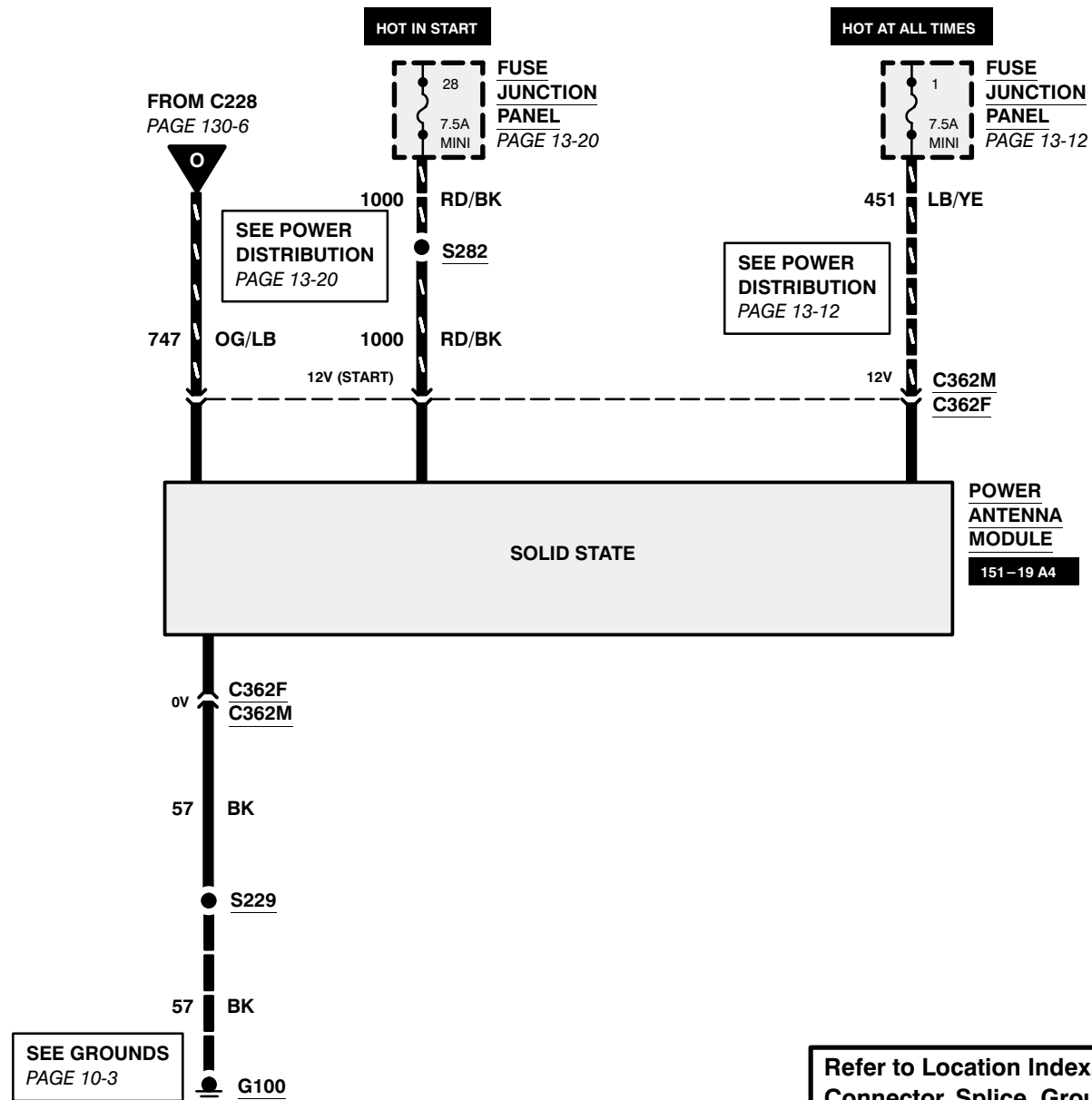


SEE GROUNDS  
PAGE 10-13

0V C2005  
694 BK/LG  
G202

# 130-9 RADIO

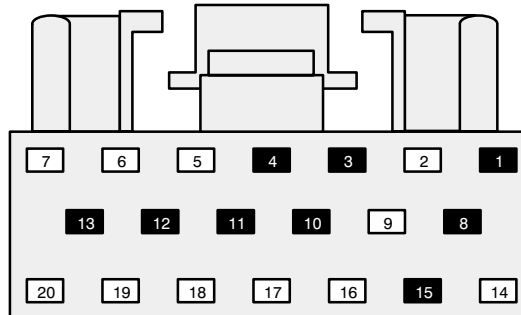
1999 EXPLORER/MOUNTAINEER



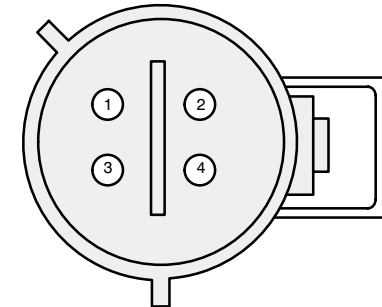
Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.

# RADIO 130-10

1999 EXPLORER/MOUNTAINEER



**C228**  
**RADIO**



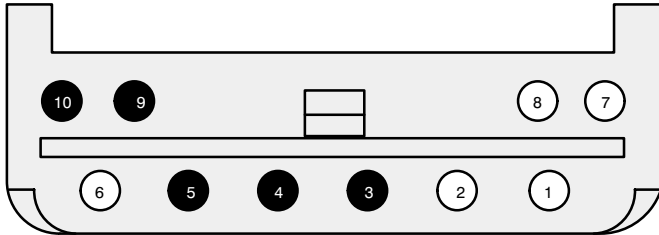
**C362**  
**POWER ANTENNA MODULE**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                          |
|-----|--------------|-------------------------------------------|
| 1   | —            | NOT USED                                  |
| 2   | 747 (OG/LB)  | Power Antenna Logic                       |
| 3   | —            | NOT USED                                  |
| 4   | —            | NOT USED                                  |
| 5   | 1068 (LB/BK) | ASYS On                                   |
| 6   | 832 (LB/PK)  | Audio Corporate Protocol A                |
| 7   | 833 (TN)     | Audio Corporate Protocol B                |
| 8   | —            | NOT USED                                  |
| 9   | 679 (GY/BK)  | Vehicle Speed Signal (+)                  |
| 10  | —            | NOT USED                                  |
| 11  | —            | NOT USED                                  |
| 12  | —            | NOT USED                                  |
| 13  | —            | NOT USED                                  |
| 14  | 595 (LB/RD)  | Radio Receiver to Redundant Radio Control |
| 15  | —            | NOT USED                                  |
| 16  | 57 (BK)      | Shield                                    |
| 17  | 690 (GY)     | CD—Right Channel Signal +                 |
| 18  | 799 (OG/BK)  | CD—Right Channel Signal —                 |
| 19  | 856 (VT)     | CD—Left Channel Signal +                  |
| 20  | 798 (LG/RD)  | CD—Left Channel Signal —                  |

| PIN | CIRCUIT      | CIRCUIT FUNCTION         |
|-----|--------------|--------------------------|
| 1   | 57 (BK)      | Ground                   |
| 2   | 451 (LB/YE)  | Power (Hot at All Times) |
| 3   | 1000 (RD/BK) | Power (Hot at All Times) |
| 4   | 747 (OG/LB)  | Power Antenna Logic      |

# 130-11 RADIO

1999 EXPLORER/MOUNTAINEER



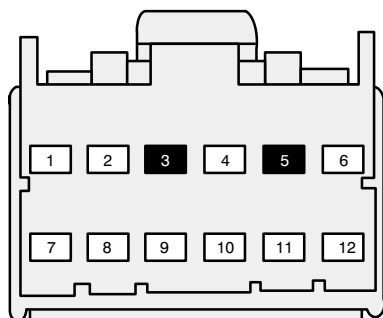
**C333**

**SUBWOOFER AMPLIFIER**

| PIN | CIRCUIT     | CIRCUIT FUNCTION          |
|-----|-------------|---------------------------|
| 1   | 173 (DG/VT) | Subwoofer High Audio Mute |
| 2   | 694 (BK/LG) | Ground                    |
| 3   | —           | NOT USED                  |
| 4   | —           | NOT USED                  |
| 5   | —           | NOT USED                  |
| 6   | 797 (LG/VT) | Power (Hot at All Times)  |
| 7   | 168 (RD/BK) | Subwoofer High Audio (—)  |
| 8   | 167 (BN/OG) | Subwoofer High Audio (+)  |
| 9   | —           | NOT USED                  |
| 10  | —           | NOT USED                  |

# RADIO 130-12

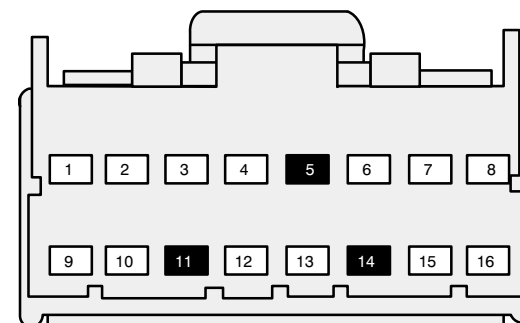
1999 EXPLORER/MOUNTAINEER



**C2005**  
**CD CHANGER**

| PIN | CIRCUIT      | CIRCUIT FUNCTION           |
|-----|--------------|----------------------------|
| 1   | 690 (GY)     | Right Channel Signal R+    |
| 2   | 856 (VT)     | Left Channel Signal L+     |
| 3   | —            | NOT USED                   |
| 4   | 694 (BK/LG)  | Ground                     |
| 5   | —            | NOT USED                   |
| 6   | 832 (LB/PK)  | Audio Corporate Protocol A |
| 7   | 799 (OG/BK)  | Right Channel Signal R—    |
| 8   | 798 (LG/RD)  | Left Channel Signal L—     |
| 9   | 57 (BK)      | Ground (Shield)            |
| 10  | 797 (LG/VT)  | Power (Hot at All Times)   |
| 11  | 1068 (LG/BK) | ASYS On                    |
| 12  | 833 (TN)     | Audio Corporate Protocol B |

## AUDIO

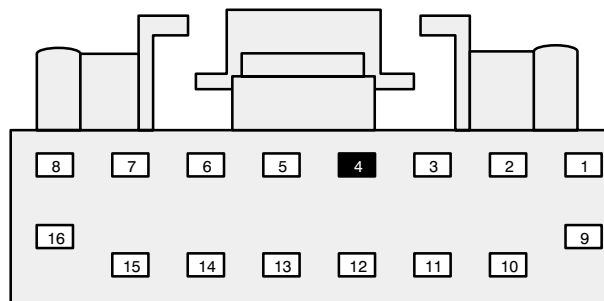


**C2003**  
**REAR INTEGRATED CONTROL PANEL (RICP)**

| PIN | CIRCUIT      | CIRCUIT FUNCTION           |
|-----|--------------|----------------------------|
| 1   | 801 (TN/YE)  | LR Speaker Signal (+)      |
| 2   | 800 (GY/LB)  | LR Speaker Signal (—)      |
| 3   | 803 (BN/PK)  | RR Speaker Signal (+)      |
| 4   | 802 (OG/RD)  | RR Speaker Signal (—)      |
| 5   | —            | NOT USED                   |
| 6   | 694 (BK/LG)  | Ground                     |
| 7   | 57 (BK)      | Ground                     |
| 8   | 235 (RD/BK)  | Instrument Dimming         |
| 9   | 825 (TN/LG)  | RR Speaker Signal (—)      |
| 10  | 827 (TN/WH)  | LR Speaker Signal (—)      |
| 11  | —            | NOT USED                   |
| 12  | 832 (LB/PK)  | Audio Corporate Protocol A |
| 13  | 833 (TN)     | Audio Corporate Protocol B |
| 14  | —            | NOT USED                   |
| 15  | 1068 (LG/BK) | ASYS On                    |
| 16  | 797 (LG/VT)  | Power (Hot at All Times)   |

# 130-13 RADIO

1999 EXPLORER/MOUNTAINEER

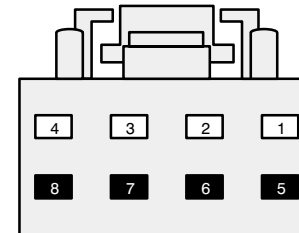


**C256  
RADIO**

| PIN | CIRCUIT      | CIRCUIT FUNCTION                                       | PIN | CIRCUIT     | CIRCUIT FUNCTION                                                       |
|-----|--------------|--------------------------------------------------------|-----|-------------|------------------------------------------------------------------------|
| 1   | 235 (RD/BK)  | Lamp Return Pulse Width Dimmer                         | 10  | 137 (YE/BK) | Radio and Antenna Switch Feed                                          |
| 2   | 57 (BK)      | Ground Circuit                                         | 11  | 694 (BK/LG) | Radio/Amplifier/Compact Disc Player/<br>Changer Amplifier Power Return |
| 3   | 1000 (RD/BK) | Fused Ignition "Start" to Module,<br>GEM Input         | 12  | 800 (GY/LB) | Amplifier/Speaker Switch Feed to<br>Left Rear Speaker                  |
| 4   | —            | NOT USED                                               | 13  | 801 (TN/YE) | Amplifier/Speaker Switch Feed to<br>Left Rear Speaker                  |
| 5   | 802 (OG/RD)  | Amplifier/Speaker Switch Feed to<br>Right Rear Speaker | 14  | 804 (OG/LG) | Speaker Voice Coil Feed—Front<br>(Left Channel)                        |
| 6   | 803 (BN/VT)  | Amplifier/Speaker Switch Feed to<br>Right Rear Speaker | 15  | 813 (LB/WH) | Speaker Switch Ground to Left<br>Front Speaker                         |
| 7   | 805 (WH/LG)  | Speaker Voice Coil Feed—Front<br>(Right Change)        | 16  | 694 (BK/LG) | Radio/Amplifier/Compact Disc Player/<br>Changer Amplifier Power Return |
| 8   | 811 (DG/OG)  | Speaker Switch Ground to Right<br>Front Speaker        |     |             |                                                                        |
| 9   | 797 (LG/VT)  | Battery Feed to Stereo                                 |     |             |                                                                        |

# RADIO 130-14

1999 EXPLORER/MOUNTAINEER

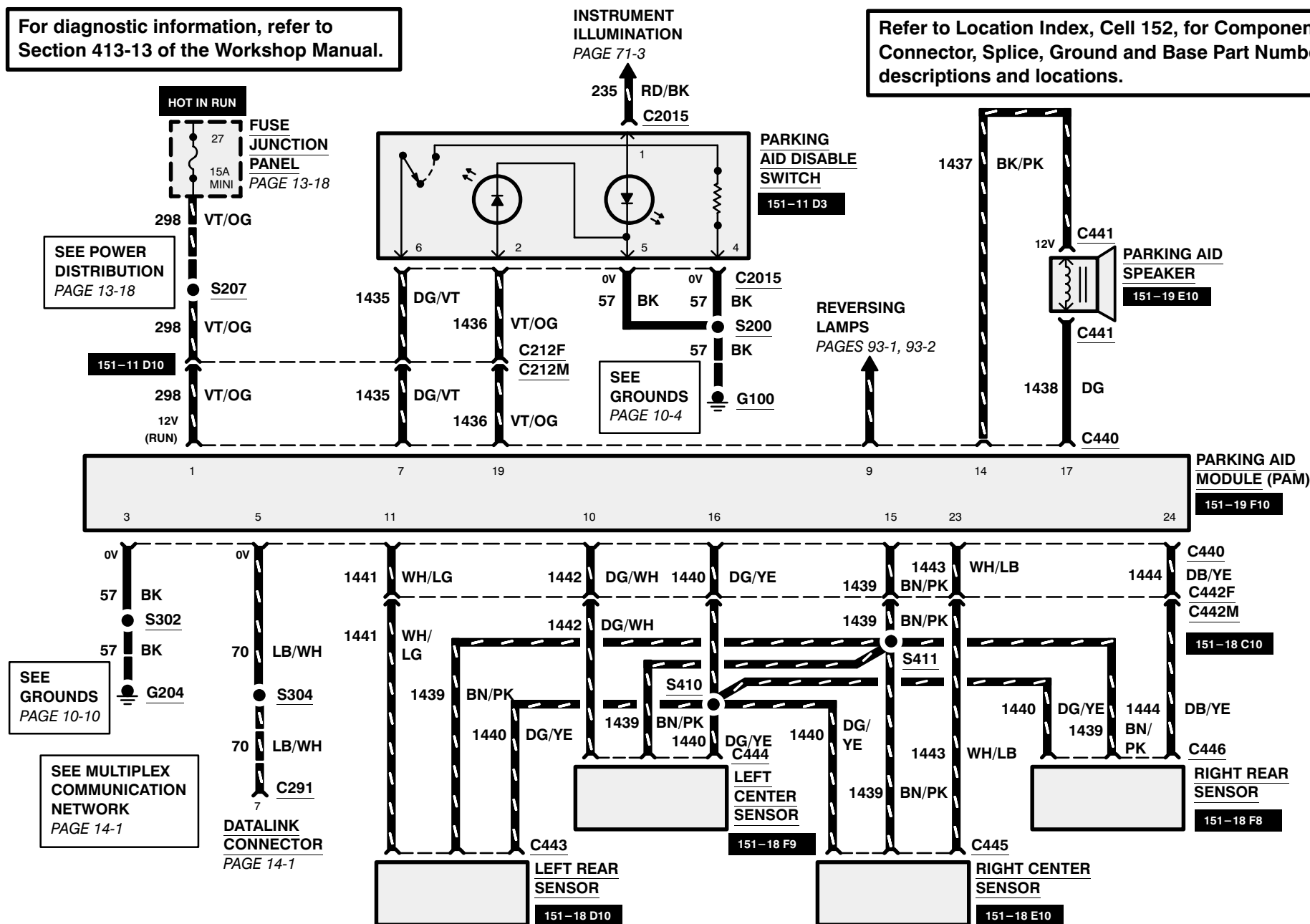


**C215**  
**RADIO**

| PIN | CIRCUIT     | CIRCUIT FUNCTION                |
|-----|-------------|---------------------------------|
| 1   | 168 (RD/BK) | Radio Subwoofer High Audio (+)  |
| 2   | 167 (BN/OG) | Radio Subwoofer High Audio (–)  |
| 3   | 57 (BK)     | Ground                          |
| 4   | 173 (DG/VT) | Radio Subwoofer High Audio Mute |
| 5   | –           | NOT USED                        |
| 6   | –           | NOT USED                        |
| 7   | –           | NOT USED                        |
| 8   | –           | NOT USED                        |

## 1999 EXPLORER/MOUNTAINEER

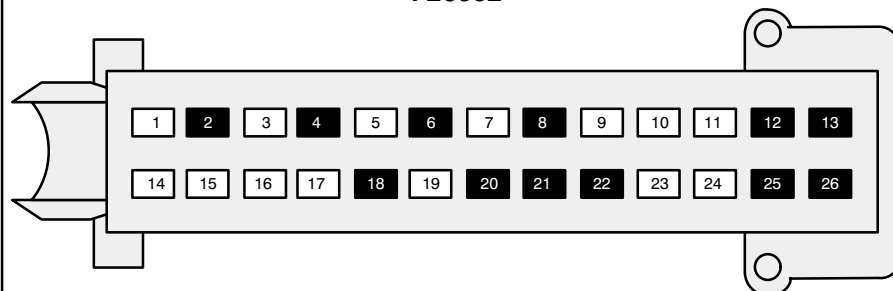
**Refer to Location Index, Cell 152, for Component, Connector, Splice, Ground and Base Part Number descriptions and locations.**



# PARKING AID 131-2

1999 EXPLORER/MOUNTAINEER

F26002

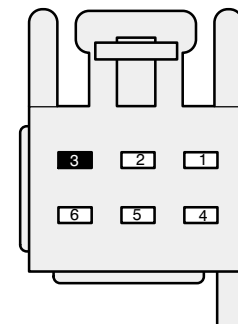


C440

## PARKING AID MODULE (PAM)

| PIN | CIRCUIT      | CIRCUIT FUNCTION          |
|-----|--------------|---------------------------|
| 1   | 298 (VT/OG)  | Power Feed (Hot in Run)   |
| 2   | —            | NOT USED                  |
| 3   | 57 (BK)      | Ground                    |
| 4   | —            | NOT USED                  |
| 5   | 70 (LB/WH)   | ISO 9141                  |
| 6   | —            | NOT USED                  |
| 7   | 1435 (DG/VT) | ON/OFF Switch             |
| 8   | —            | NOT USED                  |
| 9   | 140 (BK/PK)  | Reverse Input             |
| 10  | 1442 (DG/WH) | Left Center Sensor Input  |
| 11  | 1441 (WH/LG) | Left Rear Sensor Input    |
| 12  | —            | NOT USED                  |
| 13  | —            | NOT USED                  |
| 14  | 1437 (BK/PK) | Rear Sounder (+)          |
| 15  | 1439 (BN/PK) | Sensor Power              |
| 16  | 1440 (DG/YE) | Sensor Ground             |
| 17  | 1438 (DG)    | Rear Sounder (—)          |
| 18  | —            | NOT USED                  |
| 19  | 1436 (VT/OG) | Status LED                |
| 20  | —            | NOT USED                  |
| 21  | —            | NOT USED                  |
| 22  | —            | NOT USED                  |
| 23  | 1443 (WH/LB) | Right Center Sensor Input |
| 24  | 1444 (DB/YE) | Right Rear Sensor Input   |
| 25  | —            | NOT USED                  |
| 26  | —            | NOT USED                  |

F06167



C2015

## PARKING AID DISABLE SWITCH

| PIN | CIRCUIT      | CIRCUIT FUNCTION    |
|-----|--------------|---------------------|
| 1   | 235 (RD/BK)  | Switch Illumination |
| 2   | 1436 (VT/OG) | Status LED          |
| 3   | —            | NOT USED            |
| 4   | 57 (BK)      | Ground              |
| 5   | 57 (BK)      | Ground              |
| 6   | 1435 (DG/VT) | ON/OFF Switch       |

# 149-1 COMPONENT TESTING: INTRODUCTION/MAIN LIGHT SWITCH

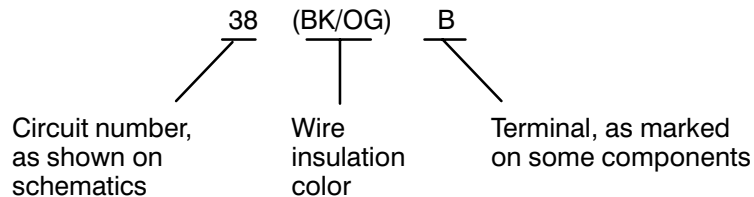
1999 EXPLORER/MOUNTAINEER

## INTRODUCTION

Component testing procedures are provided to determine whether a component is good or bad.

Testing information for each component includes a schematic with component terminal locations and step-by-step test procedures. Component terminals are identified:

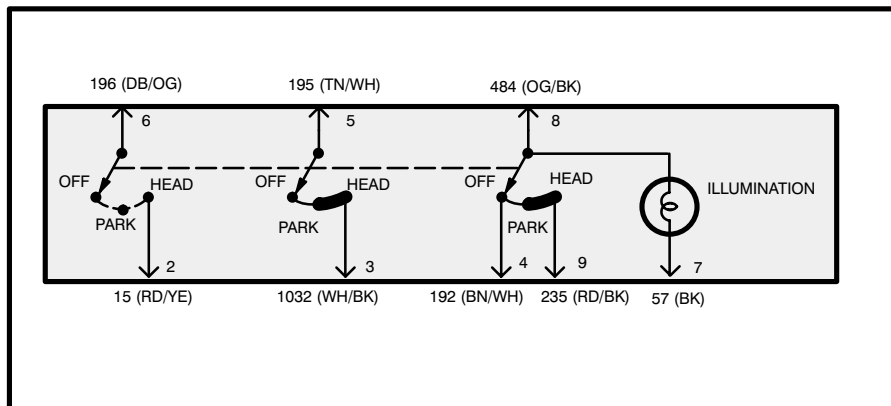
1. by the circuit number of the wires that connect to that terminal;
2. by the wire insulation color; and
3. by letters or numbers that may be marked on the component.



The component connector **MUST BE REMOVED** before testing. To test a single circuit within the component, select that circuit under the column **TO TEST**. If you wish to test the complete component, perform all tests.

Connect the tester to the terminals shown in the second column and operate the component as shown in the third column.

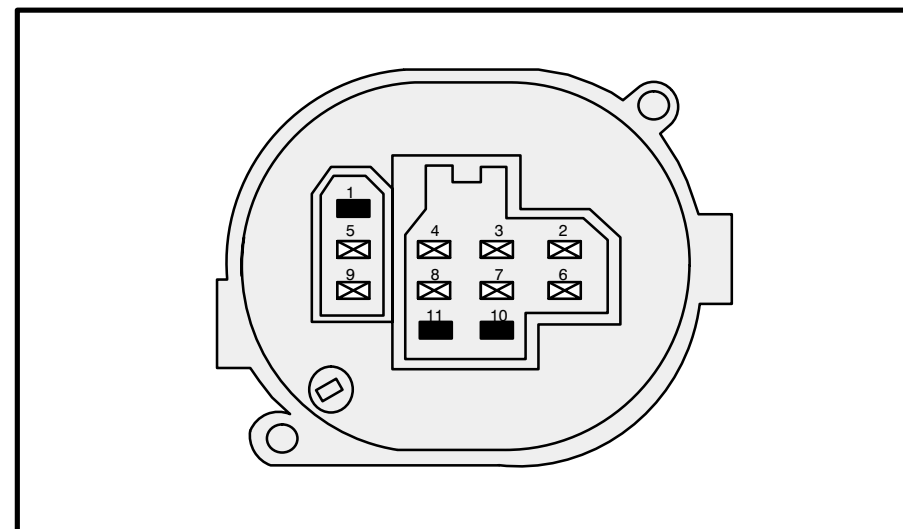
## SCHEMATIC



## COMPONENT TESTING PROCEDURE

| TO TEST                        | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate                      |
|--------------------------------|---------------------------------------------------------|--------------------------------|--------------------------------------------------|
| Headlamp Circuit               | 6 and 2                                                 | Off<br>Park<br>Head            | Open Circuit<br>Open Circuit<br>Closed Circuit   |
| Park Lamp Circuit              | 5 and 3                                                 | Off<br>Park<br>Head            | Open Circuit<br>Closed Circuit<br>Closed Circuit |
| Ignition On, Lamps Off Circuit | 4 and 8                                                 | Off<br>Park<br>Head            | Closed Circuit<br>Open Circuit<br>Open Circuit   |
| Indicator Bulb Circuit         | 9 and 7                                                 | Move Switch to Park or Head    | Continuity                                       |

## TERMINALS

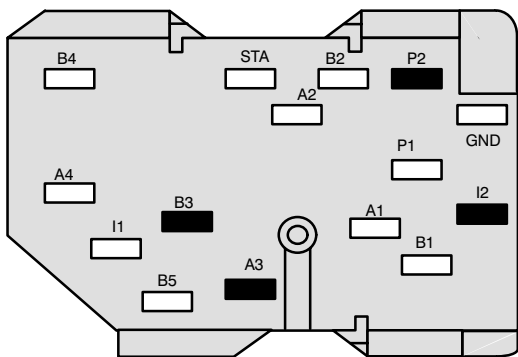


# COMPONENT TESTING: IGNITION SWITCH 149-2

1999 EXPLORER/MOUNTAINEER

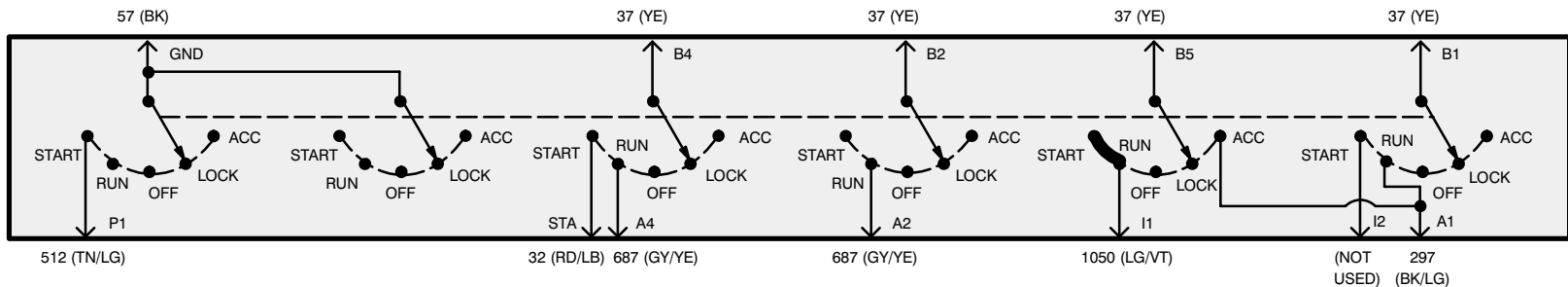
## COMPONENT TESTING PROCEDURE

### TERMINALS



| TO TEST               | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Key to These Positions | A Good Switch Will Indicate                   |
|-----------------------|---------------------------------------------------------|-----------------------------|-----------------------------------------------|
| Starter Relay Circuit | B4 and STA                                              | Acc, Lock, Off, Run, Start  | Closed Circuit in Start position only         |
|                       | B4 and A4                                               | Acc, Lock, Off, Run, Start  | Closed Circuit in Run position only           |
| Ignition Circuit      | B2 and A2                                               | Acc, Lock, Off, Run, Start  | Closed Circuit in Run position only           |
|                       | B5 and I1                                               | Acc, Lock, Off, Run, Start  | Closed Circuit in Start and Run position only |
| Accessory Circuit     | B1 and A1                                               | Acc, Lock, Off, Run, Start  | Closed Circuit in Run position only           |
|                       | B5 and A1                                               | Acc, Lock, Off, Run, Start  | Closed Circuit in Acc position only           |
| Bulb – Test Circuit   | P1 and GND                                              | Acc, Lock, Off, Run, Start  | Closed Circuit in Start position only         |

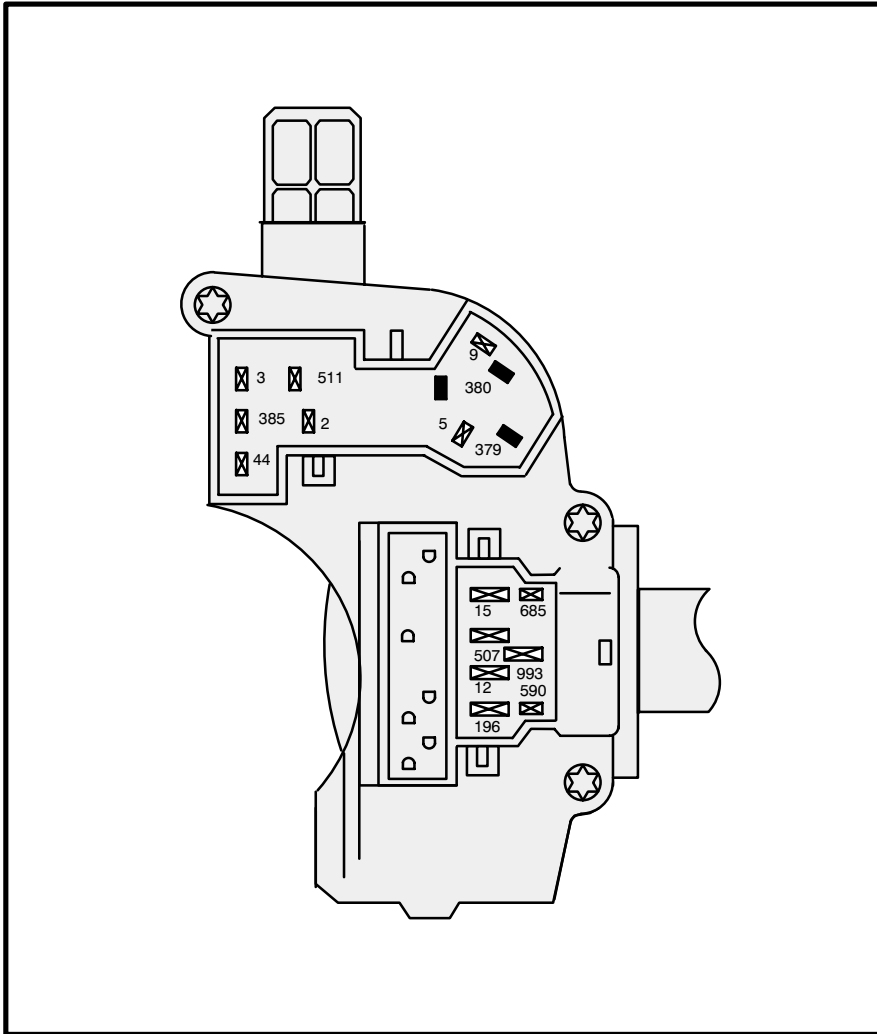
### SCHEMATIC



# 149-3 COMPONENT TESTING: MULTIFUNCTION SWITCH

1999 EXPLORER/MOUNTAINEER

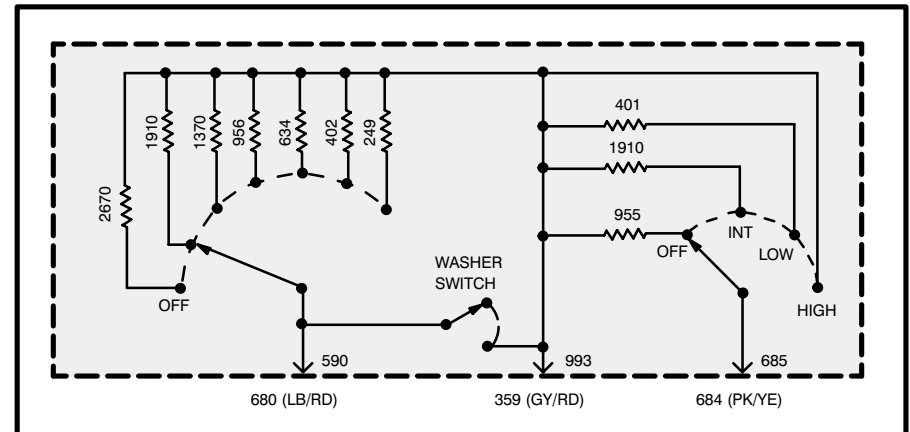
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST               | Connect Self-Powered Test Light or Ohmmeter to Terminals | Move Switch to These Positions                                            | A Good Switch Will Indicate                                                                                    |
|-----------------------|----------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Washer Switch Circuit | 993 and 590                                              | With Wiper Switch OFF: Push Washer Switch in<br><br>Release Washer Switch | Closed Circuit<br><br>2670 ohm                                                                                 |
| Wiper Switch Circuit  | 685 and 993                                              | OFF<br>INT<br>LOW<br>HIGH                                                 | 955 ohm<br>1910 ohm<br>401 ohm<br>Closed Circuit (+/- 5%)                                                      |
| Interval Time Adjust  | 993 and 590                                              | OFF Through INTERVAL Steps                                                | Rotate control from OFF; Ohmmeter will show decreasing resistance from 2670 ohm max. to 249 ohm min. (+/- 10%) |

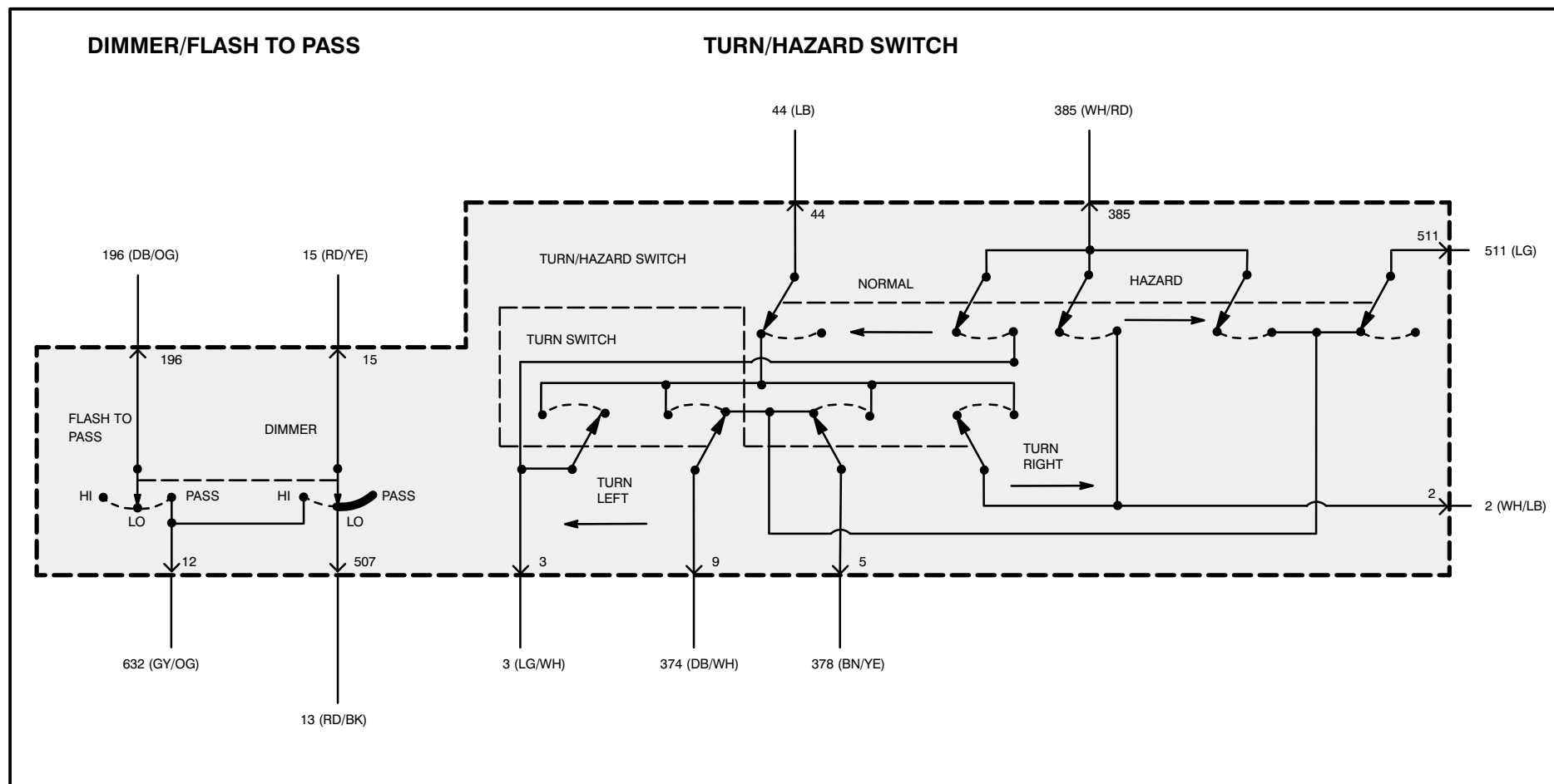
## SCHEMATIC



# COMPONENT TESTING: MULTIFUNCTION SWITCH 149-4

1999 EXPLORER/MOUNTAINEER

## SCHEMATIC



# 149-5 COMPONENT TESTING: MULTIFUNCTION SWITCH

1999 EXPLORER/MOUNTAINEER

COMPONENT TESTING PROCEDURE

| TO TEST                              | Connect Self–Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions                       | A Good Switch Will Indicate |
|--------------------------------------|---------------------------------------------------------|------------------------------------------------------|-----------------------------|
| <b>Stoplamp Feed-Through Circuit</b> | 511 and 9                                               | Turn Switch to center (No Turn) Position             | Closed Circuit              |
|                                      | 511 and 5                                               | Turn Switch to center (No Turn) Position             | Closed Circuit              |
| <b>Turn Switch Circuit</b>           | 44 and 9                                                | Turn Switch to Turn Left and Hazard Switch to Normal | Closed Circuit              |
|                                      | 44 and 3                                                | Turn Left                                            | Closed Circuit              |
|                                      | 44 and 5                                                | Turn Right                                           | Closed Circuit              |
|                                      | 44 and 2                                                | Turn Right                                           | Closed Circuit              |

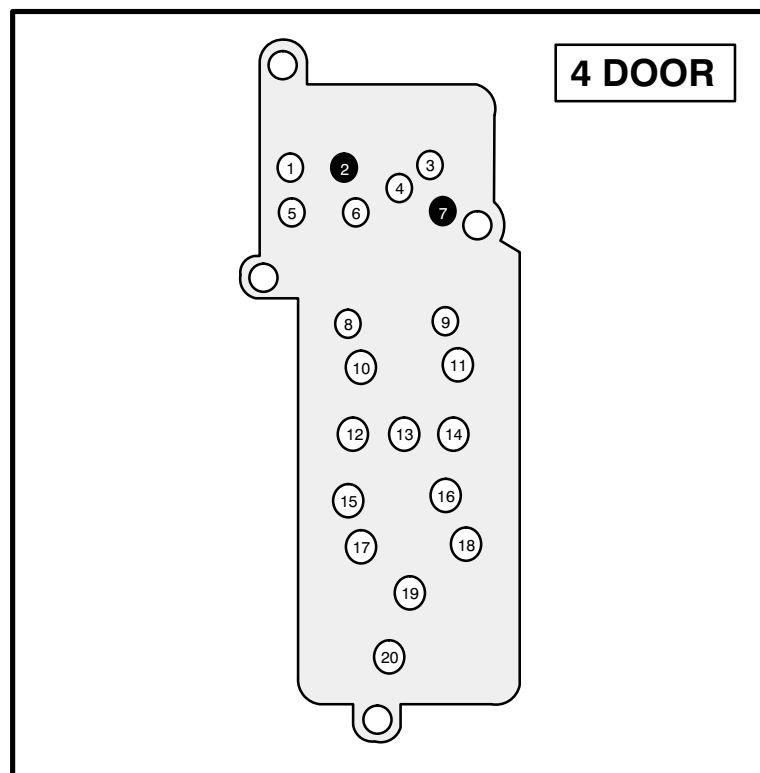
COMPONENT TESTING PROCEDURE

| TO TEST                      | Connect Self–Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate                         |
|------------------------------|---------------------------------------------------------|--------------------------------|-----------------------------------------------------|
| <b>Hazard Switch Circuit</b> | 385 and 511                                             | Hazard                         | Open Circuit                                        |
|                              | 385 and 2                                               | Hazard                         | Closed Circuit                                      |
|                              | 385 and 3                                               | Hazard                         | Closed Circuit                                      |
| <b>Dimmer Switch Circuit</b> | 196 and 12                                              | Pull up and Release            | Closed Circuit only when switch is in high position |
|                              | 15 and 507                                              | Pull up and Release            | Closed Circuit only when switch is in low position  |

# COMPONENT TESTING: MASTER WINDOW CONTROL SWITCH 149-6

1999 EXPLORER/MOUNTAINEER

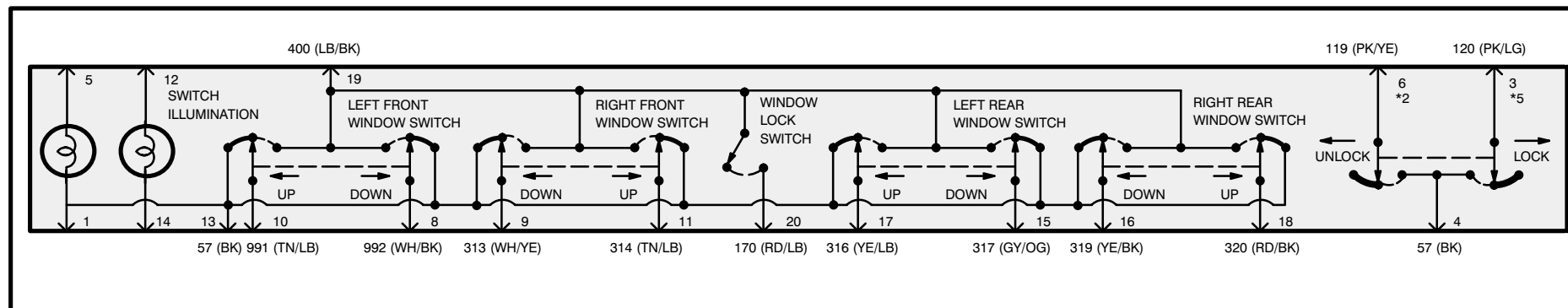
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST            | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate      |
|--------------------|---------------------------------------------------------|--------------------------------|----------------------------------|
| Left Front Window  | 19 and 8<br>19 and 10                                   | Up<br>Down                     | Closed Circuit<br>Closed Circuit |
| Right Front Window | 19 and 9<br>19 and 11                                   | Up<br>Down                     | Closed Circuit<br>Closed Circuit |
| Left Rear Window   | 19 and 15<br>19 and 17                                  | Up<br>Down                     | Closed Circuit<br>Closed Circuit |
| Right Rear Window  | 19 and 16<br>19 and 18                                  | Up<br>Down                     | Closed Circuit<br>Closed Circuit |
| Window Lock Switch | 19 and 20                                               | Lock<br>Unlock                 | Open Circuit<br>Closed Circuit   |
| Door Lock Switch   | 6 and 4<br>3 and 4                                      | Lock<br>Unlock                 | Closed Circuit<br>Closed Circuit |

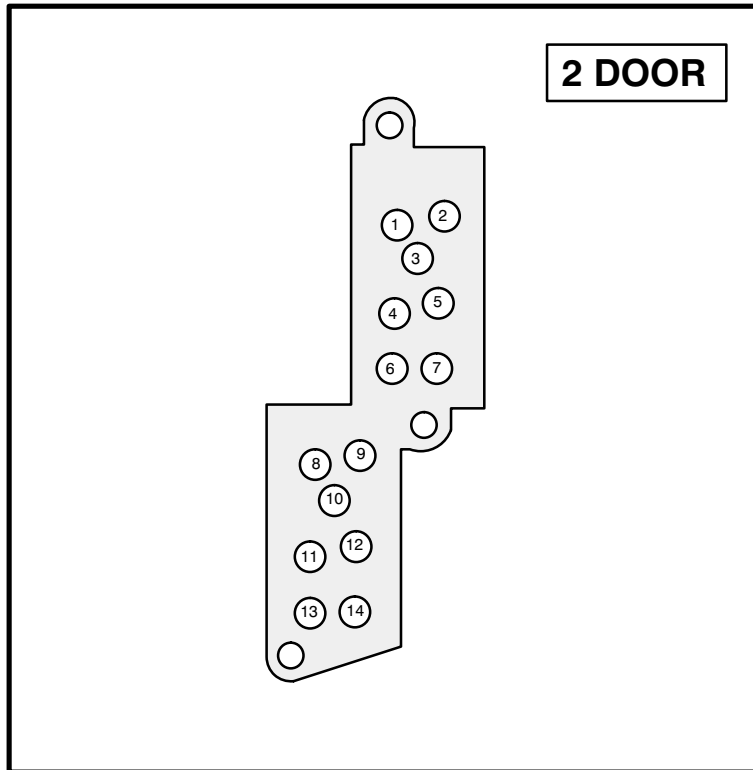
## SCHEMATIC



# 149-7 COMPONENT TESTING: MASTER WINDOW CONTROL SWITCH

1999 EXPLORER/MOUNTAINEER

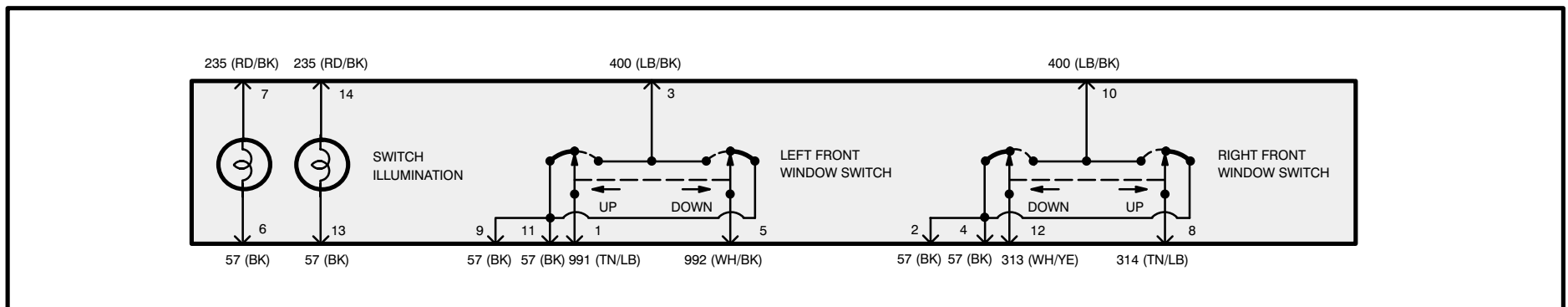
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST            | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate      |
|--------------------|---------------------------------------------------------|--------------------------------|----------------------------------|
| Left Front Window  | 3 and 5<br>3 and 1                                      | Up<br>Down                     | Closed Circuit<br>Closed Circuit |
| Right Front Window | 10 and 12<br>10 and 8                                   | Up<br>Down                     | Closed Circuit<br>Closed Circuit |

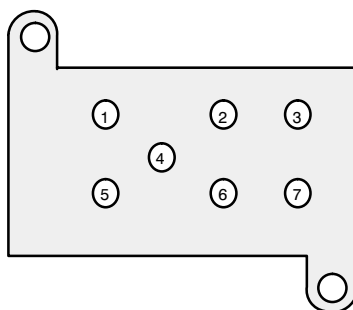
## SCHEMATIC



# COMPONENT TESTING: RIGHT FRONT POWER WINDOW SWITCH 149-8

1999 EXPLORER/MOUNTAINEER

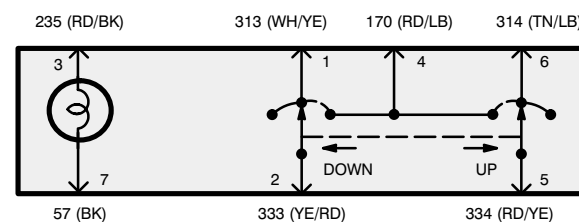
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST                         | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions   | A Good Switch Will Indicate                                      |
|---------------------------------|---------------------------------------------------------|----------------------------------|------------------------------------------------------------------|
| Right Front Window              | 4 and 5<br>2 and 4                                      | Down<br>Up                       | Closed Circuit<br>Closed Circuit                                 |
| Master Window Door Lock Control | 6 and 5<br>1 and 2                                      | Neutral<br>Down<br>Neutral<br>Up | Closed Circuit<br>Open Circuit<br>Closed Circuit<br>Open Circuit |
| Switch Illumination             | 3 and 7                                                 | —                                | Closed Circuit                                                   |

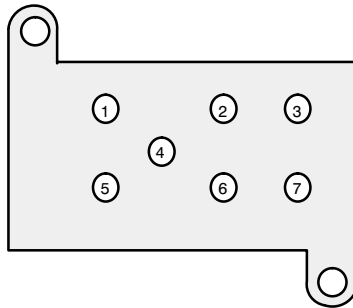
## SCHEMATIC



# 149-9 COMPONENT TESTING: LEFT REAR POWER WINDOW SWITCH

1999 EXPLORER/MOUNTAINEER

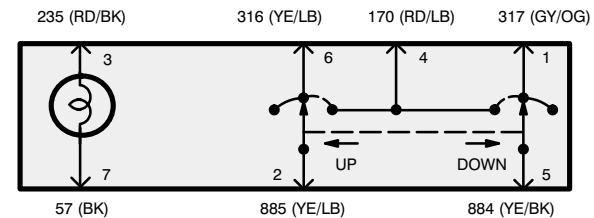
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST                         | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions   | A Good Switch Will Indicate                                      |
|---------------------------------|---------------------------------------------------------|----------------------------------|------------------------------------------------------------------|
| Left Rear Window                | 4 and 5<br>2 and 4                                      | Up<br>Down                       | Closed Circuit<br>Closed Circuit                                 |
| Master Window Door Lock Control | 2 and 6<br>1 and 5                                      | Neutral<br>Down<br>Neutral<br>Up | Closed Circuit<br>Open Circuit<br>Closed Circuit<br>Open Circuit |
| Switch Illumination             | 3 and 7                                                 | —                                | Closed Circuit                                                   |

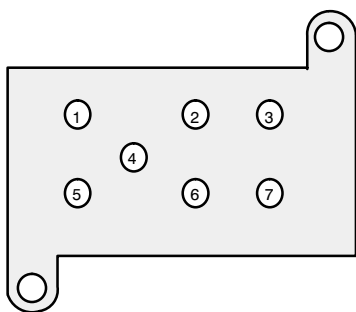
## SCHEMATIC



# COMPONENT TESTING: RIGHT REAR POWER WINDOW SWITCH 149-10

1999 EXPLORER/MOUNTAINEER

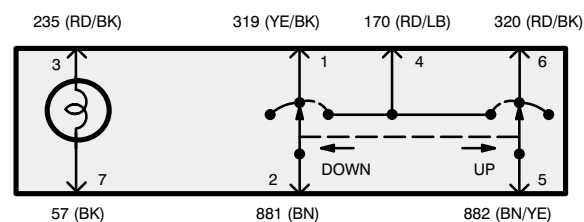
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST                         | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions   | A Good Switch Will Indicate                                      |
|---------------------------------|---------------------------------------------------------|----------------------------------|------------------------------------------------------------------|
| Right Rear Window               | 4 and 5<br>2 and 4                                      | Down<br>Up                       | Closed Circuit<br>Closed Circuit                                 |
| Master Window Door Lock Control | 5 and 6<br>1 and 2                                      | Neutral<br>Down<br>Neutral<br>Up | Closed Circuit<br>Open Circuit<br>Closed Circuit<br>Open Circuit |
| Switch Illumination             | 3 and 7                                                 | —                                | Closed Circuit                                                   |

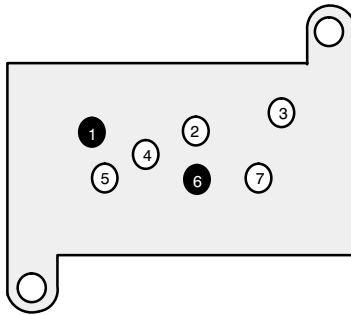
## SCHEMATIC



# 149-11 COMPONENT TESTING: RIGHT FRONT POWER LOCK SWITCH

1999 EXPLORER/MOUNTAINEER

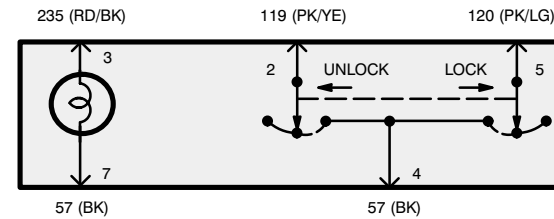
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST    | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate      |
|------------|---------------------------------------------------------|--------------------------------|----------------------------------|
| Power Lock | 2 and 4<br>4 and 5                                      | Lock<br>Unlock                 | Closed Circuit<br>Closed Circuit |

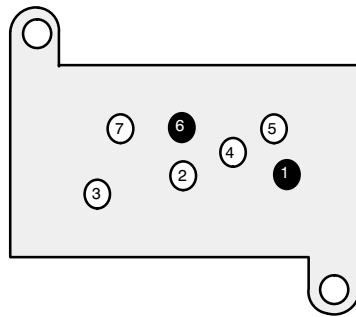
## SCHEMATIC



# COMPONENT TESTING: LEFT FRONT POWER LOCK SWITCH 149-12

1999 EXPLORER/MOUNTAINEER

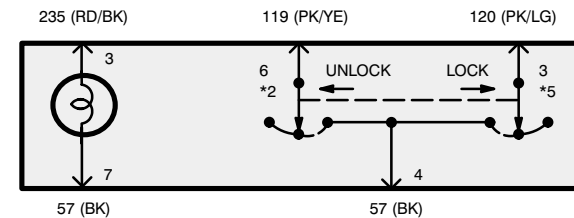
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST    | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate      |
|------------|---------------------------------------------------------|--------------------------------|----------------------------------|
| Power Lock | 2 and 4<br>4 and 5                                      | Lock<br>Unlock                 | Closed Circuit<br>Closed Circuit |

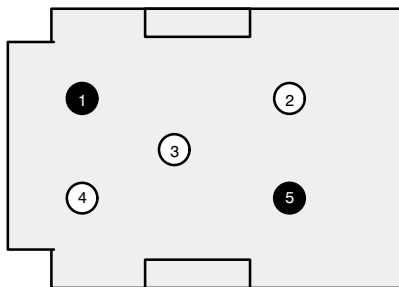
## SCHEMATIC



# 149-13 COMPONENT TESTING: LIFTGATE LOCK SWITCH

1999 EXPLORER/MOUNTAINEER

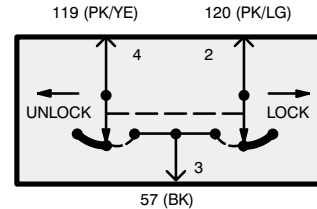
## TERMINALS



## COMPONENT TESTING PROCEDURE

| TO TEST       | Connect Self-Powered Test Lamp or Ohmmeter to Terminals | Move Switch to These Positions | A Good Switch Will Indicate      |
|---------------|---------------------------------------------------------|--------------------------------|----------------------------------|
| Liftgate Lock | 3 and 4<br>2 and 3                                      | Lock<br>Unlock                 | Closed Circuit<br>Closed Circuit |

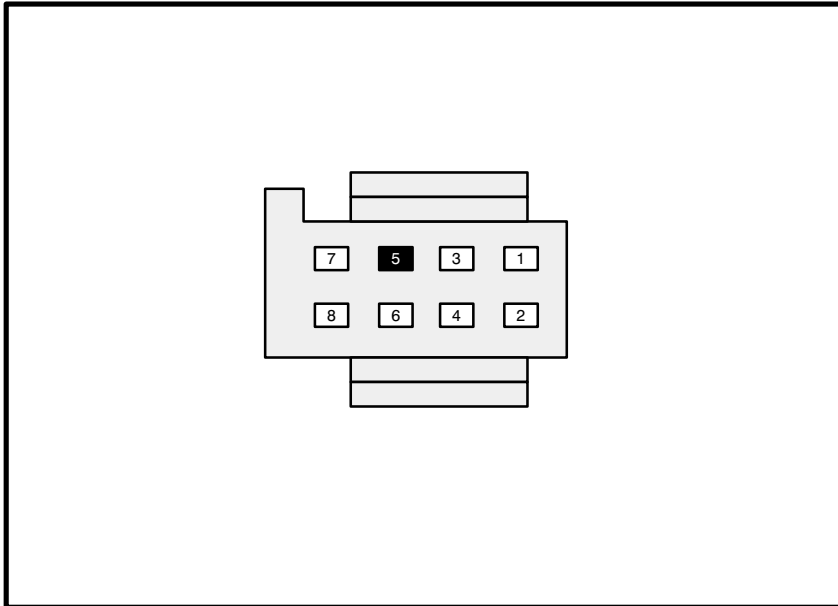
## SCHEMATIC



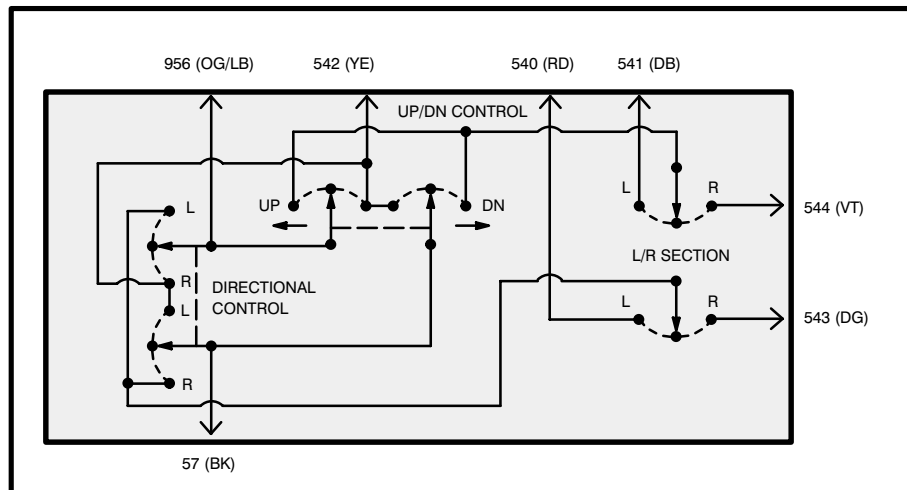
# COMPONENT TESTING: EXTERIOR REAR VIEW MIRROR SWITCH 149-14

1999 EXPLORER/MOUNTAINEER

## TERMINALS



## SCHEMATIC



## COMPONENT TESTING PROCEDURE

| TO TEST             | Connect Self-Powered Test Light or Ohmmeter to Terminals | Move Switches to These Positions | A Good Switch Will Indicate      |
|---------------------|----------------------------------------------------------|----------------------------------|----------------------------------|
| <b>Left Mirror</b>  | 956 and 541<br>542 and 57                                | Selector Switch Left             | Closed Circuit<br>Closed Circuit |
| <b>Up</b>           |                                                          | Up                               |                                  |
| <b>Down</b>         | 956 and 542<br>541 and 57                                | Down                             | Closed Circuit<br>Closed Circuit |
| <b>Left</b>         | 956 and 540<br>542 and 57                                | Left                             | Closed Circuit<br>Closed Circuit |
| <b>Right</b>        | 956 and 542<br>540 and 57                                | Right                            | Closed Circuit<br>Closed Circuit |
| <b>Right Mirror</b> | 956 and 544<br>542 and 57                                | Selector Switch Right            | Closed Circuit<br>Closed Circuit |
| <b>Up</b>           |                                                          | Up                               |                                  |
| <b>Down</b>         | 956 and 542<br>544 and 57                                | Down                             | Closed Circuit<br>Closed Circuit |
| <b>Left</b>         | 956 and 543<br>542 and 57                                | Left                             | Closed Circuit<br>Closed Circuit |
| <b>Right</b>        | 956 and 542<br>543 and 57                                | Right                            | Closed Circuit<br>Closed Circuit |

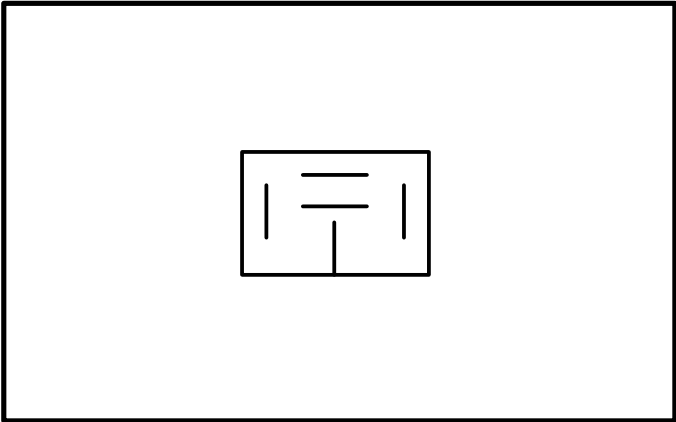
# 149-15    COMPONENT TESTING: MINI ISO RELAY

1999 EXPLORER/MOUNTAINEER

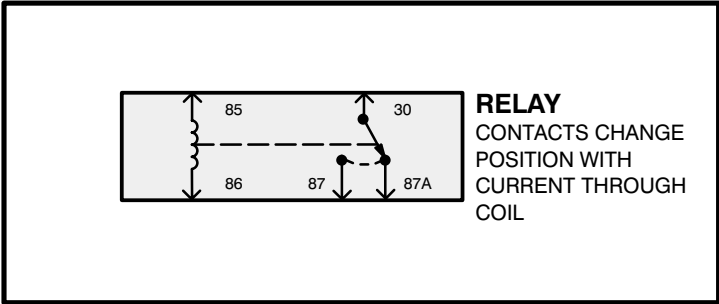
## COMPONENT TESTING PROCEDURE

| TO TEST       | Connect Self-Powered Test Lamps or Ohmmeter to Terminals | Connect Jumper Wires From Positive Battery Terminal to Terminals | Connect Jumper Wires From Ground to Terminals | A Good Relay Will Indicate |
|---------------|----------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|----------------------------|
| Relay Circuit | 85 and 86, 30, 87, 87A                                   | —                                                                | —                                             | 5Ω or Greater              |
|               | 87A                                                      | 30                                                               | —                                             | Closed Circuit             |
|               | 87                                                       | 86 and 30                                                        | 85                                            | Closed Circuit             |

## TERMINALS



## SCHEMATIC



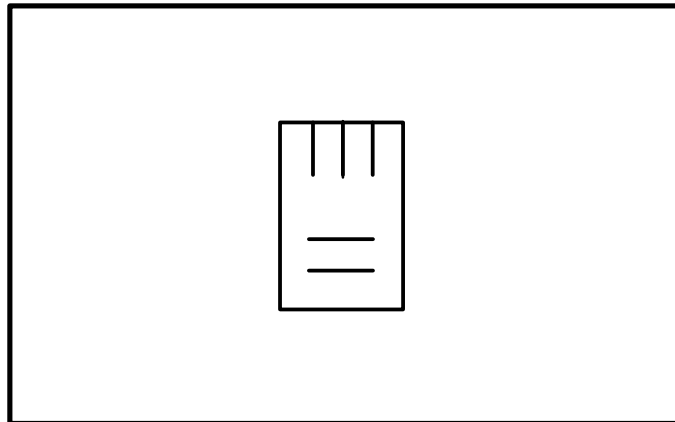
# COMPONENT TESTING: MICRO ISO RELAY 149-16

1999 EXPLORER/MOUNTAINEER

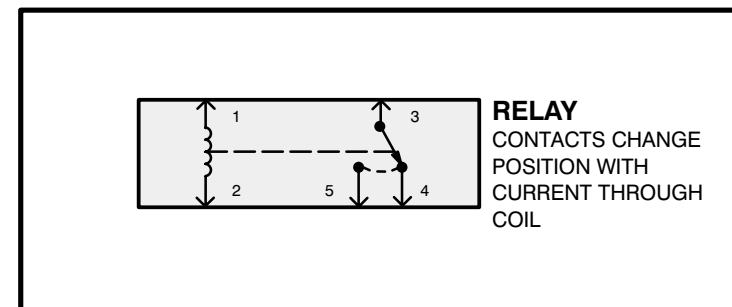
## COMPONENT TESTING PROCEDURE

| TO TEST       | Connect Self-Powered Test Lamps or Ohmmeter to Terminals | Connect Jumper Wires From Positive Battery Terminal to Terminals | Connect Jumper Wires From Ground to Terminals | A Good Relay Will Indicate |
|---------------|----------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|----------------------------|
| Relay Circuit | 2 and 1, 3, 4, 5                                         | —                                                                | —                                             | 5Ω or Greater              |
|               | 4                                                        | 3                                                                | —                                             | Closed Circuit             |
|               | 5                                                        | 1 and 3                                                          | 2                                             | Closed Circuit             |

### TERMINAL - MICRO ISO RELAY

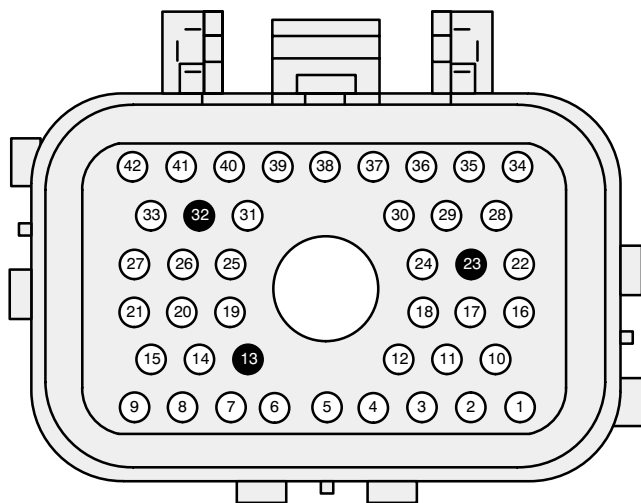


### SCHEMATIC - MICRO ISO RELAY

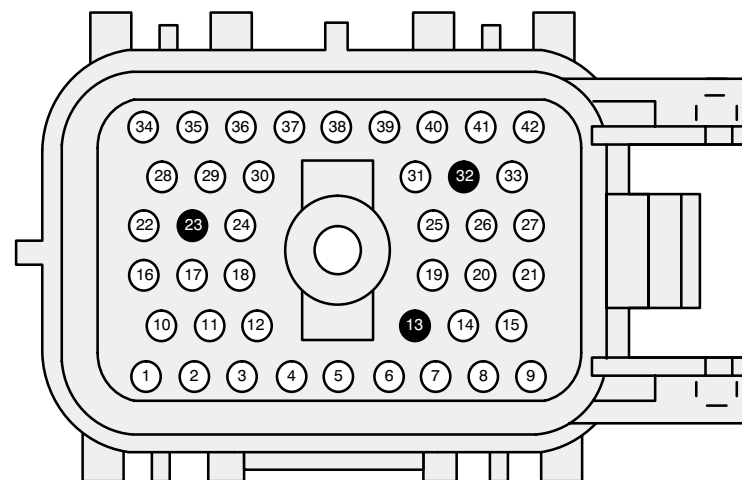


# 150-1 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER



**C115F**



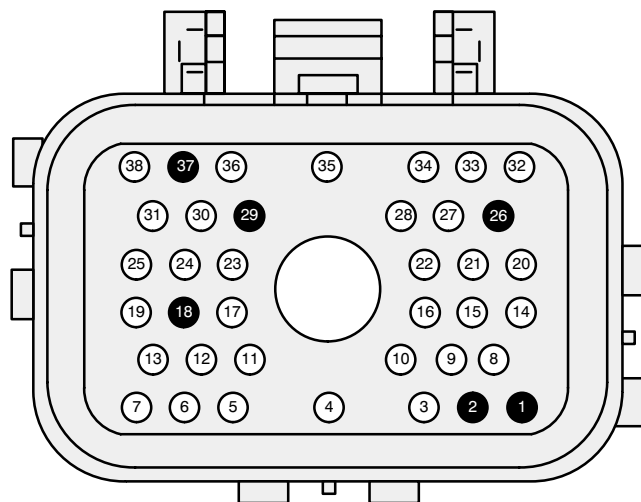
**C115M**

| PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT      |
|-----|-------------|-----|-------------|-----|--------------|
| 1   | 16 (RD/LG)  | 15  | 926 (LB/OG) | 29  | 784 (LB/BK)  |
| 2   | 11 (TN/YE)  | 16  | 39 (RD/WH)  | 30  | 331 (PK/YE)  |
| 3   | 915 (PK/LB) | 17  | 791 (RD/PK) | 31  | 1093 (TN/RD) |
| 4   | 810 (RD/LG) | 18  | 359 (GY/RD) | 32  | —            |
| 5   | 238 (DG/YE) | 19  | 351 (BN/WH) | 33  | 463 (RD/WH)  |
| 6   | 658 (PK/LG) | 20  | 199 (LB/YE) | 34  | 570 (BK/WH)  |
| 7   | 679 (GY/BK) | 21  | 140 (BK/PK) | 35  | 347 (BK/YE)  |
| 8   | 37 (YE)     | 22  | 107 (VT)    | 36  | 34 (LB/OG)   |
| 9   | 361 (RD)    | 23  | —           | 37  | 348 (VT)     |
| 10  | 29 (YE/WH)  | 24  | 329 (PK)    | 38  | 357 (YE/WH)  |
| 11  | 914 (TN/OG) | 25  | 298 (VT/OG) | 39  | 191 (LG/BK)  |
| 12  | 224 (TN/WH) | 26  | 253 (DG/WH) | 40  | 911 (WH/LG)  |
| 13  | —           | 27  | 305 (LB/PK) | 41  | 904 (LG/RD)  |
| 14  | 91 (VT/WH)  | 28  | 394 (OG/BK) | 42  | 36 (YE/WH)   |

| PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT      |
|-----|-------------|-----|-------------|-----|--------------|
| 1   | 16 (RD/LG)  | 15  | 926 (LB/OG) | 29  | 784 (LB/BK)  |
| 2   | 11 (TN/YE)  | 16  | 39 (RD/WH)  | 30  | 331 (PK/YE)  |
| 3   | 915 (PK/LB) | 17  | 791 (RD/PK) | 31  | 1093 (TN/RD) |
| 4   | 810 (RD/LG) | 18  | 359 (GY/RD) | 32  | —            |
| 5   | 238 (DG/YE) | 19  | 351 (BN/WH) | 33  | 463 (RD/WH)  |
| 6   | 658 (PK/LG) | 20  | 199 (LB/YE) | 34  | 570 (BK/WH)  |
| 7   | 679 (GY/BK) | 21  | 140 (BK/PK) | 35  | 347 (BK/YE)  |
| 8   | 37 (YE)     | 22  | 107 (VT)    | 36  | 34 (LB/OG)   |
| 9   | 361 (RD)    | 23  | —           | 37  | 348 (VT)     |
| 10  | 29 (YE/WH)  | 24  | 329 (PK)    | 38  | 357 (YE/WH)  |
| 11  | 914 (TN/OG) | 25  | 298 (VT/OG) | 39  | 191 (LG/BK)  |
| 12  | 224 (TN/WH) | 26  | 253 (DG/WH) | 40  | 911 (WH/LG)  |
| 13  | —           | 27  | 305 (LB/PK) | 41  | 904 (LG/RD)  |
| 14  | 91 (VT/WH)  | 28  | 394 (OG/BK) | 42  | 36 (YE/WH)   |

# IN-LINE CONNECTOR FACES 150-2

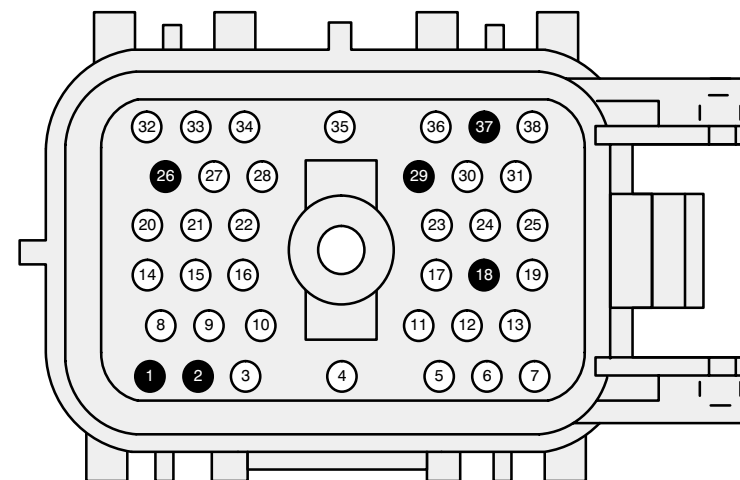
1999 EXPLORER/MOUNTAINEER



**C116F**

| PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|
| 1   | —            | 20  | 1143 (WH/BK) |
| 2   | —            | 21  | 89 (OG)      |
| 3   | 34 (LB/OG)   | 22  | 136 (DB/YE)  |
| 4   | 359 (GY/RD)  | 23  | 57 (BK)      |
| 5   | 140 (BK/PK)  | 24  | 390 (TN/YE)  |
| 6   | 359 (GY/RD)  | 25  | 34 (LB/OG)   |
| 7   | 298 (VT/OG)  | 26  | —            |
| 8   | 329 (VT/BK)  | 27  | 392 (RD/LG)  |
| 9   | 463 (RD/WH)  | 28  | 1145 (LB/BK) |
| 10  | 74 (GY/LB)   | 29  | —            |
| 11  | 34 (LB/OG)   | 30  | 923 (OG/BK)  |
| 12  | 199 (LB/YE)  | 31  | 389 (WH/BK)  |
| 13  | 393 (VT/LG)  | 32  | 359 (GY/RD)  |
| 14  | 89 (OG)      | 33  | 925 (WH/YE)  |
| 15  | 387 (RD/WH)  | 34  | 237 (OG/YE)  |
| 16  | 1093 (TN/RD) | 35  | 34 (LB/OG)   |
| 17  | 89 (OG)      | 36  | 315 (VT/OG)  |
| 18  | —            | 37  | —            |
| 19  | 1144 (YE/BK) | 38  | 125 (DB/WH)  |

**5.0L**

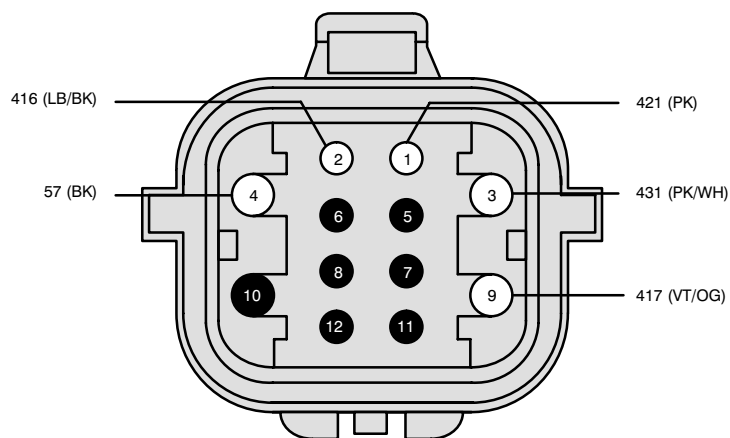


**C116M**

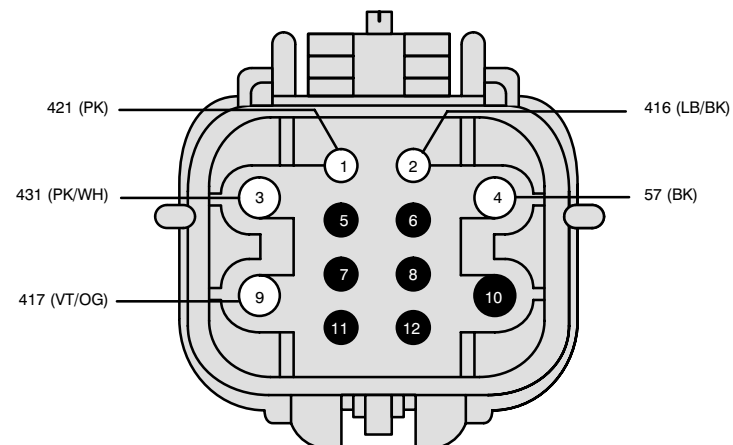
| PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|
| 1   | —            | 20  | 1143 (WH/BK) |
| 2   | —            | 21  | 89 (OG)      |
| 3   | 34 (LB/OG)   | 22  | 136 (DB/YE)  |
| 4   | 359 (GY/RD)  | 23  | 57 (BK)      |
| 5   | 140 (BK/PK)  | 24  | 390 (TN/YE)  |
| 6   | 359 (GY/RD)  | 25  | 34 (LB/OG)   |
| 7   | 298 (VT/OG)  | 26  | —            |
| 8   | 329 (VT/BK)  | 27  | 392 (RD/LG)  |
| 9   | 463 (RD/WH)  | 28  | 1145 (LB/BK) |
| 10  | 74 (GY/LB)   | 29  | —            |
| 11  | 34 (LB/OG)   | 30  | 923 (OG/BK)  |
| 12  | 199 (LB/YE)  | 31  | 389 (WH/BK)  |
| 13  | 393 (VT/LG)  | 32  | 359 (GY/RD)  |
| 14  | 89 (OG)      | 33  | 925 (WH/YE)  |
| 15  | 387 (RD/WH)  | 34  | 237 (OG/YE)  |
| 16  | 1093 (TN/RD) | 35  | 34 (LB/OG)   |
| 17  | 89 (OG)      | 36  | 315 (VT/OG)  |
| 18  | —            | 37  | —            |
| 19  | 1144 (YE/BK) | 38  | 125 (DB/WH)  |

# 150-3 IN-LINE CONNECTOR FACES

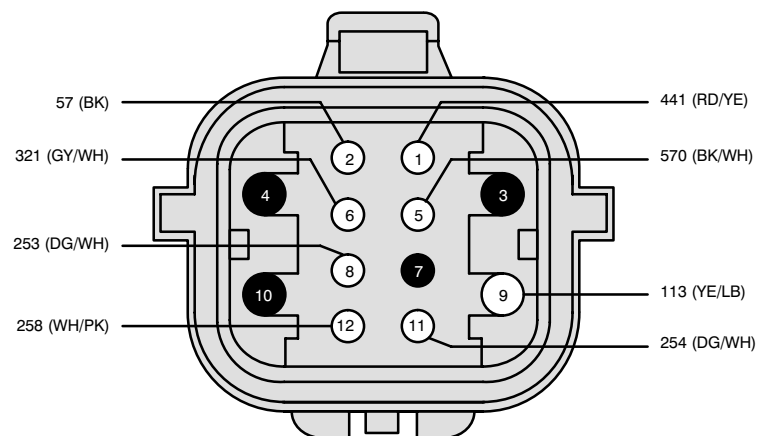
1999 EXPLORER/MOUNTAINEER



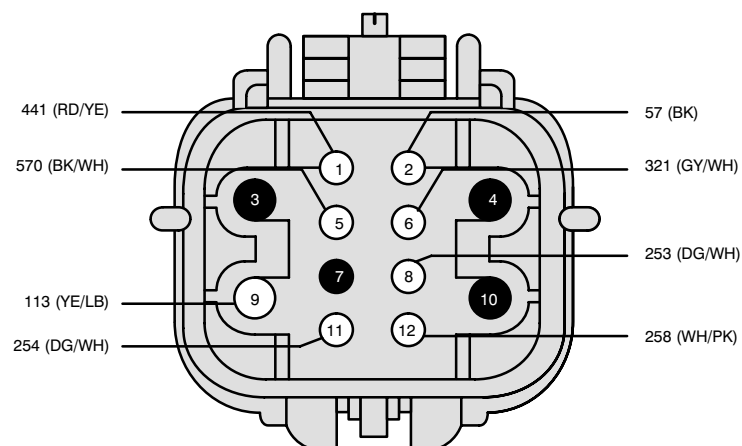
**C119F**



**C119M**



**C125F**

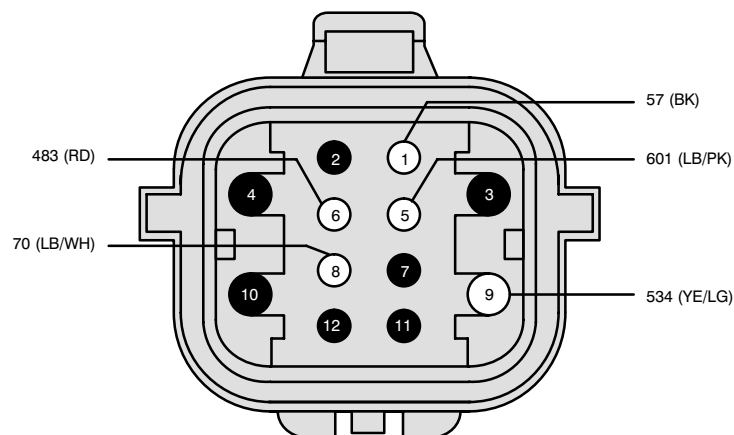


**C125M**

# IN-LINE CONNECTOR FACES 150-4

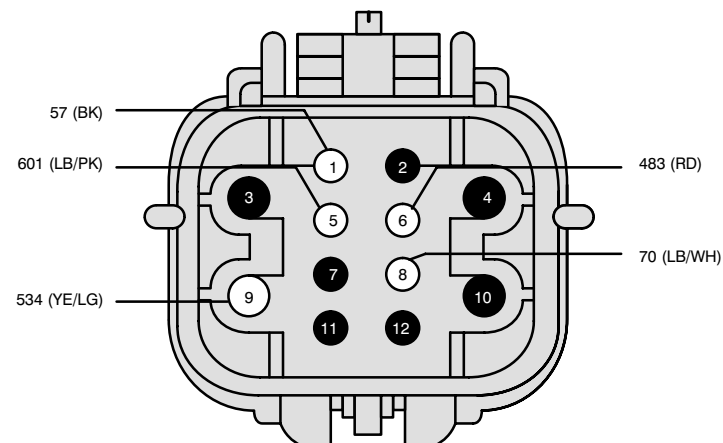
1999 EXPLORER/MOUNTAINEER

14398



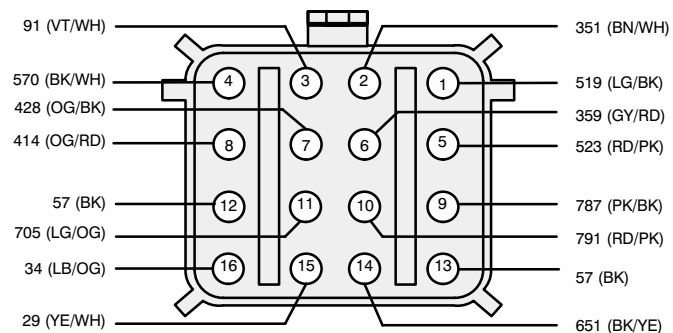
C140F

14398



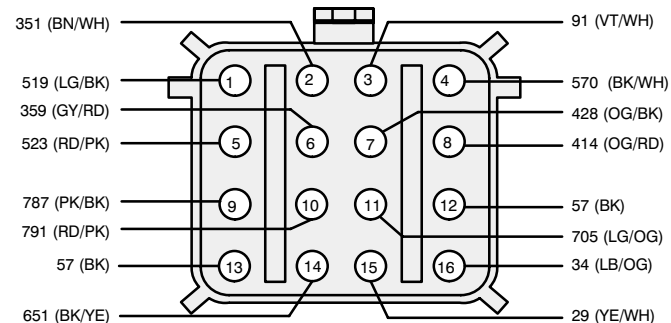
C140M

14405



C141F

14A488

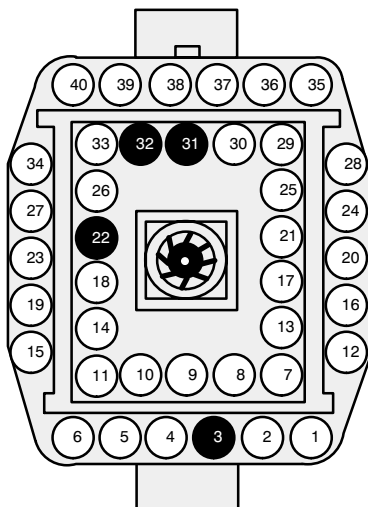


C141M

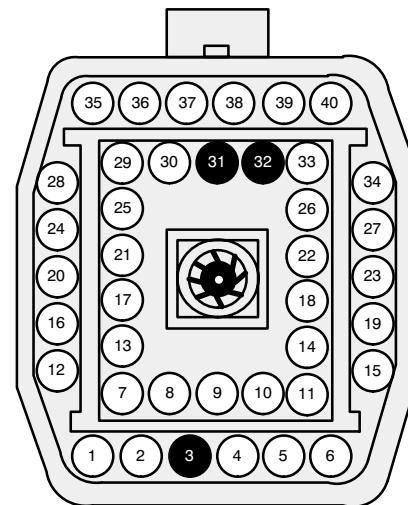
# 150-5 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER

\* W/ELECTRONIC AUTOMATIC  
TEMPERATURE CONTROL (EATC)



**C146F**



**C146M**

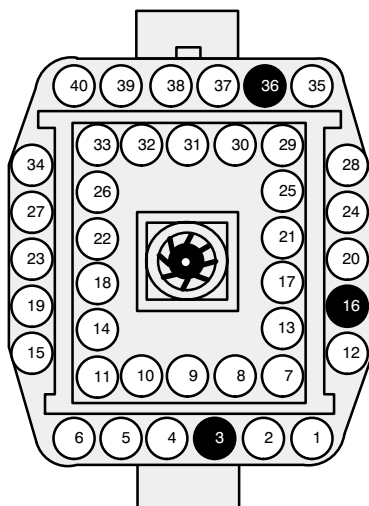
| PIN | CIRCUIT      | PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|-----|--------------|
| 1   | 57 (BK)      | 15  | 523 (RD/PK)  | 28  | 184 (TN/OG)  |
| 2   | 348 (VT)     | 16  | 23 (TN/LG)   | 29  | 233 (DB/YE)  |
| 3   | —            | 17  | 904 (LG/RD)  | 30  | 234 (DB/WH)  |
| 4   | 63 (RD)      | 18  | 420 (DB/YE)  | 31  | —            |
| 5   | 13 (RD/BK)   | 19  | 519 (LG/BK)  | 32  | —            |
| 6   | 418 (DG/YE)  | 20  | 679 (GY/BK)  | 33  | 619 (PK/WH)  |
| 7   | 1003 (GY/YE) | 21  | 470 (PK/BK)  | 34  | 364 (BK/LG)  |
| 8   | 151 (LB/BK)  | 22  | 57 (BK)      | 35  | 570 (BK/WH)  |
| 9   | 887 (YE)     | 23  | 91 (VT/WH)   | 36  | 645 (WH/LB)  |
| 10  | 836 (OG/WH)  | 24  | 775 (WH/PK)  | 37  | 170 (RD/LB)  |
| 11  | 886 (OG/BK)  | 25  | 788 (RD/OG)  | 38  | 1048 (LB/WH) |
| 12  | 203 (OG/LB)  | 26  | 57 (BK)      | 39  | 34 (LB/OG)   |
| 13  | 848 (DG/OG)  | 27  | 261 (OG/BK)  | 40  | 417 (VT/OG)  |
| 14  | 394 (OG/BK)  |     | *181 (BN/OG) |     |              |

| PIN | CIRCUIT      | PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|-----|--------------|
| 1   | 57 (BK)      | 15  | 523 (RD/PK)  | 28  | 184 (TN/OG)  |
| 2   | 348 (VT)     | 16  | 23 (TN/LG)   | 29  | 233 (DB/YE)  |
| 3   | —            | 17  | 904 (LG/RD)  | 30  | 234 (DB/WH)  |
| 4   | 63 (RD)      | 18  | 420 (DB/YE)  | 31  | —            |
| 5   | 13 (RD/BK)   | 19  | 519 (LG/BK)  | 32  | —            |
| 6   | 418 (DG/YE)  | 20  | 679 (GY/BK)  | 33  | 619 (PK/WH)  |
| 7   | 1003 (GY/YE) | 21  | 470 (PK/BK)  | 34  | 364 (BK/LG)  |
| 8   | 151 (LB/BK)  | 22  | 57 (BK)      | 35  | 570 (BK/WH)  |
| 9   | 887 (YE)     | 23  | 91 (VT/WH)   | 36  | 645 (WH/LB)  |
| 10  | 836 (OG/WH)  | 24  | 775 (WH/PK)  | 37  | 170 (RD/LB)  |
| 11  | 886 (OG/BK)  | 25  | 788 (RD/OG)  | 38  | 1048 (LB/WH) |
| 12  | 203 (OG/LB)  | 26  | 57 (BK)      | 39  | 34 (LB/OG)   |
| 13  | 848 (DG/OG)  | 27  | 261 (OG/BK)  | 40  | 417 (VT/OG)  |
| 14  | 394 (OG/BK)  |     | *181 (BN/OG) |     |              |

# IN-LINE CONNECTOR FACES 150-6

1999 EXPLORER/MOUNTAINEER

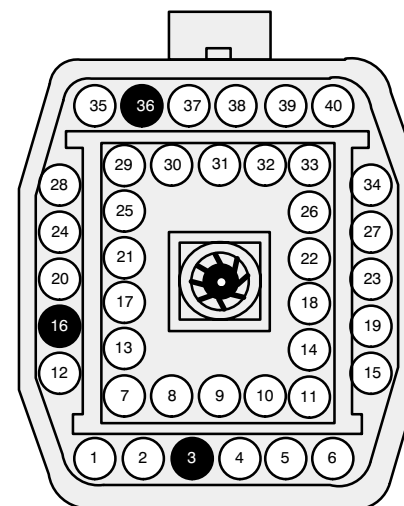
14401



C147F

\* MANUAL  
TRANSMISSION

14398



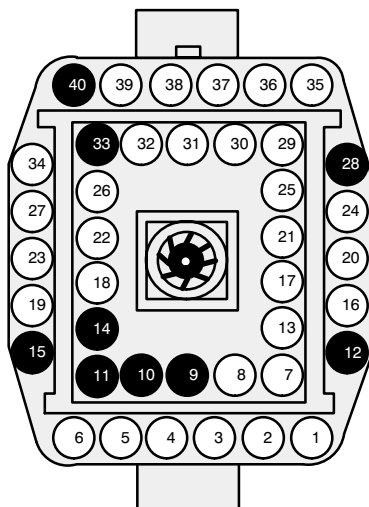
C147M

| PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT      | PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT      |
|-----|-------------|-----|-------------|-----|--------------|-----|-------------|-----|-------------|-----|--------------|
| 1   | 37 (YE)     | 16  | —           | 29  | 107 (VT)     | 1   | 37 (YE)     | 15  | 591 (LG)    | 29  | 107 (VT)     |
| 2   | 575 (YE/BK) | 17  | 57 (BK)     | 30  | 658 (PK/LG)  | 2   | 575 (YE/BK) | 16  | —           | 30  | 658 (PK/LG)  |
| 3   | —           | 18  | 253 (DG/WH) | 31  | 357 (YE/WH)  | 3   | —           | 17  | 57 (BK)     | 31  | 357 (YE/WH)  |
| 4   | 185 (BK)    | 19  | 39 (RD/WH)  | 32  | 977 (VT/WH)  | 4   | 185 (BK)    | 18  | 253 (DG/WH) | 32  | 977 (VT/WH)  |
| 5   | 704 (DG/LG) | 20  | 686 (TN/RD) |     | 162 (LG/RD)  | 5   | 704 (DG/LG) | 19  | 39 (RD/WH)  | 33  | 29 (YE/WH)   |
| 6   | 16 (RD/LG)  | 21  | 914 (TN/OG) | 33  | 29 (YE/WH)   | 6   | 16 (RD/LG)  | 20  | 686 (TN/RD) | 34  | 647 (GY/LB)  |
| 7   | 791 (RD/PK) | 22  | 911 (WH/LG) | 34  | 647 (GY/LB)  | 7   | 791 (RD/PK) | 21  | 914 (TN/OG) | 35  | 57 (BK)      |
| 8   | 351 (BN/WH) | 23  | 950 (WH/BK) | 35  | 57 (BK)      | 8   | 351 (BN/WH) | 22  | 911 (WH/LG) | 36  | —            |
| 9   | 411 (BK/LB) | 24  | 2 (WH/LB)   | 36  | —            | 9   | 411 (BK/LB) | 23  | 950 (WH/BK) | 37  | 238 (DG/YE)  |
| 10  | 410 (WH/OG) |     | 5 (OG/LB)   | 37  | 238 (DG/YE)  | 10  | 410 (WH/OG) | 24  | 2 (WH/LB)   | 38  | 1052 (TN/BK) |
| 11  | 592 (TN)    | 25  | 915 (PK/LB) | 38  | 1052 (TN/BK) | 11  | 592 (TN)    | 25  | 915 (PK/LB) | 39  | 644 (DG)     |
| 12  | 946 (VT/LG) | 26  | 224 (TN/WH) | 39  | 644 (DG)     | 12  | 946 (VT/LG) | 26  | 224 (TN/WH) |     | *306 (TN/LB) |
| 13  | 359 (GY/RD) | 27  | 646 (YE/WH) |     | *306 (TN/LB) | 13  | 359 (GY/RD) | 27  | 646 (YE/WH) | 40  | 671 (LB)     |
| 14  | 254 (DG/WH) | 28  | 3 (LG/WH)   | 40  | 671 (LB)     | 14  | 254 (DG/WH) | 28  | 3 (LG/WH)   |     |              |
| 15  | 591 (LG)    |     | 9 (LG/OG)   |     |              |     |             |     |             |     |              |

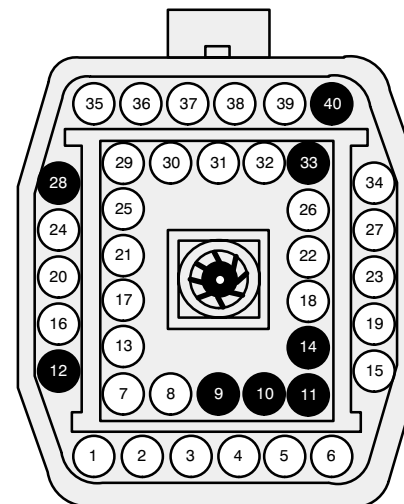
# 150-7 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER

\* W/HIGH SERIES CONSOLE  
\*\* W/O HIGH SERIES CONSOLE



**C148F**



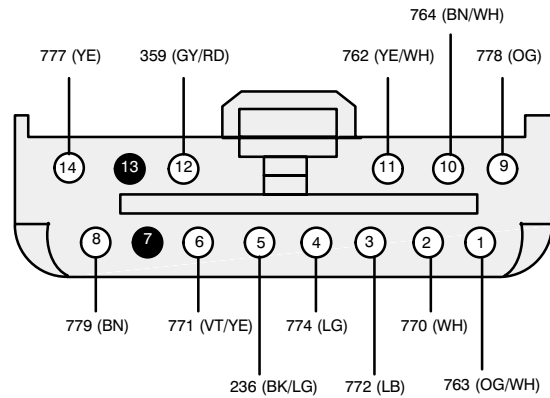
**C148M**

| PIN | CIRCUIT      | PIN | CIRCUIT     | PIN | CIRCUIT     |
|-----|--------------|-----|-------------|-----|-------------|
| 1   | 14 (BN)      | 14  | —           | 28  | —           |
| 2   | 195 (TN/WH)  | 15  | —           | 29  | 603 (DG)    |
| 3   | 1056 (DB/LG) | 16  | 70 (LB/WH)  | 30  | 601 (LB/PK) |
| 4   | 1055 (WH/LG) | 17  | 258 (WH/BK) | 31  | 477 (LB/BK) |
| 5   | 12 (LG/BK)   | 18  | 11 (TN/YE)  | 32  | 6 (YE/LG)   |
| 6   | 196 (DB/OG)  | 19  | 199 (LB/YE) | 33  | —           |
| 7   | 298 (VT/OG)  | 20  | 512 (TN/LG) | 34  | 539 (PK/BK) |
| 8   | 140 (BK/PK)  | 21  | 82 (PK/YE)  | 35  | 260 (RD/OG) |
| 9   | —            | 22  | 784 (LB/BK) | 36  | 754 (LG/WH) |
| 10  | —            | 23  | 398 (BK/YE) | 37  | 752 (YE/RD) |
| 11  | —            | 24  | 397 (BK/WH) | 38  | 10 (LG/RD)  |
| 12  | —            | 25  | 305 (LB/PK) | 39  | 478 (TN/OG) |
| 13  | 810 (RD/LG)  | 26  | 463 (RD/WH) | 40  | —           |
|     | 306 (TN/LB)  | 27  | *33 (WH/PK) |     |             |
|     |              |     | **329 (PK)  |     |             |

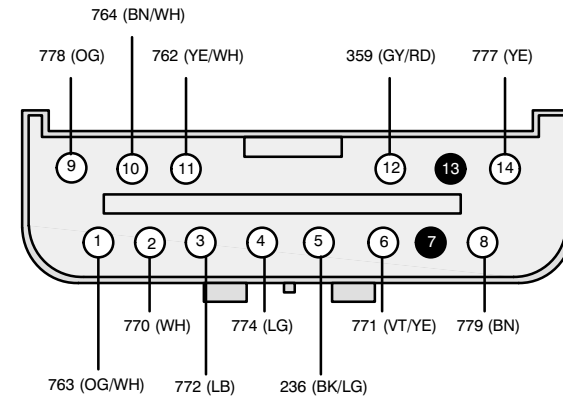
| PIN | CIRCUIT      | PIN | CIRCUIT     | PIN | CIRCUIT      |
|-----|--------------|-----|-------------|-----|--------------|
| 1   | 14 (BN)      | 15  | —           | 28  | —            |
| 2   | 195 (TN/WH)  | 16  | 70 (LB/WH)  | 29  | 603 (DG)     |
| 3   | 1056 (DB/LG) | 17  | 258 (WH/BK) | 30  | 601 (LB/PK)  |
| 4   | 1055 (WH/LG) | 18  | 11 (TN/YE)  | 31  | 477 (LB/BK)  |
| 5   | 12 (LG/BK)   | 19  | 199 (LB/YE) | 32  | 6 (YE/LG)    |
| 6   | 196 (DB/OG)  | 20  | 512 (TN/LG) | 33  | —            |
| 7   | 298 (VT/OG)  | 21  | 82 (PK/YE)  | 34  | 539 (PK/BK)  |
| 8   | 140 (BK/PK)  | 22  | 784 (LB/BK) | 35  | *260 (RD/OG) |
| 9   | —            | 23  | 398 (BK/YE) | 36  | *754 (LG/WH) |
| 10  | —            | 24  | 397 (BK/WH) | 37  | 752 (YE/RD)  |
| 11  | —            | 25  | 305 (LB/PK) | 38  | 10 (LG/RD)   |
| 12  | —            | 26  | 463 (RD/WH) | 39  | 478 (TN/OG)  |
| 13  | 810 (RD/LG)  | 27  | 329 (PK)    | 40  | —            |
| 14  | —            |     |             |     |              |

# IN-LINE CONNECTOR FACES 150-8

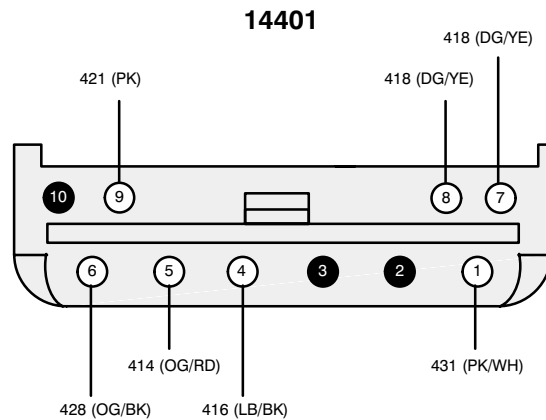
1999 EXPLORER/MOUNTAINEER



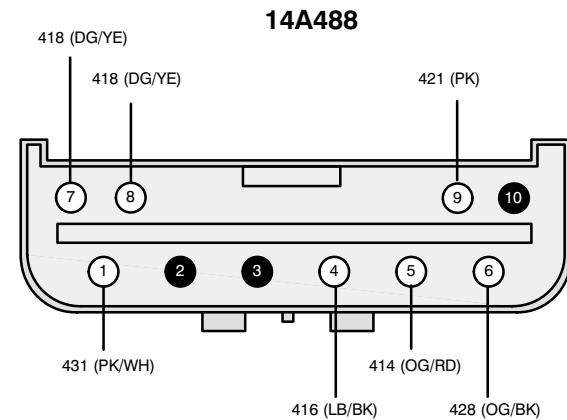
**C200F**



**C200M**



**C204F**

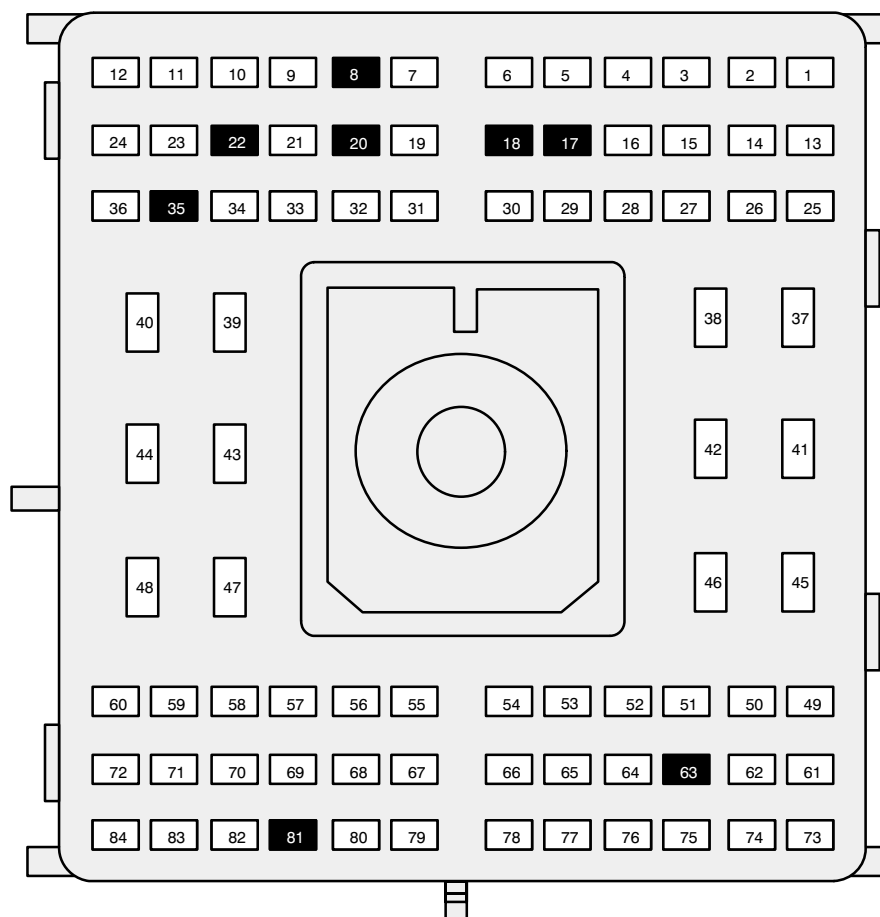


**C204M**

# 150-9 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER

\* W/HIGH SERIES CONSOLE



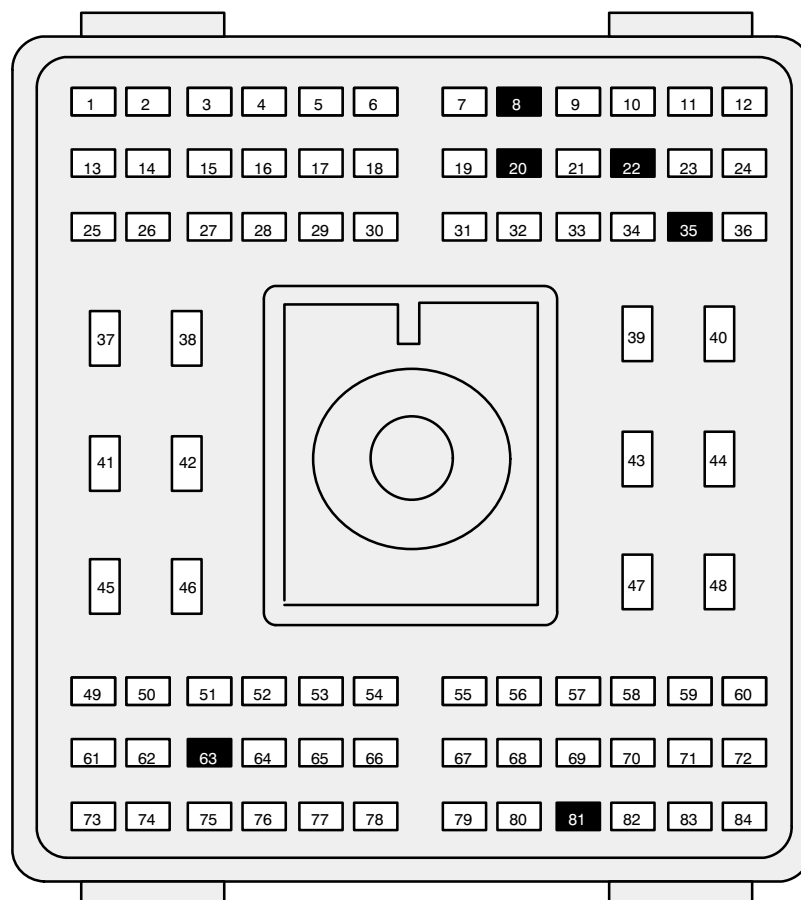
**C212F**

| PIN | CIRCUIT      | PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|-----|--------------|
| 1   | 1013 (BN/LG) | 30  | 23 (TN/LG)   | 58  | 774 (LG)     |
| 2   | 234 (DB/WH)  | 31  | 6 (YE/LG)    | 59  | 359 (GY/RD)  |
| 3   | 411 (BK/LB)  | 32  | 91 (VT/WH)   | 60  | 764 (BN/WH)  |
| 4   | 298 (VT/OG)  | 33  | 55 (BK/PK)   | 61  | 85 (BN/LB)   |
| 5   | 1002 (BK/PK) | 34  | 570 (BK/WH)  | 62  | 235 (RD/BK)  |
| 6   | 343 (DB/LG)  | 35  | —            | 63  | —            |
| 7   | 140 (BK/PK)  | 36  | 29 (YE/WH)   | 64  | 679 (GY/BK)  |
| 8   | —            | 37  | 903 (RD)     | 65  | 801 (TN/YE)  |
| 9   | 162 (LG/RD)  | 38  | 991 (TN/LB)  | 66  | 813 (LB/WH)  |
| 10  | 351 (BN/WH)  | 39  | 417 (VT/OG)  | 67  | 759 (LG/YE)  |
| 11  | 791 (RD/PK)  | 40  | 787 (PK/BK)  | 68  | 519 (LG/BK)  |
| 12  | 34 (LB/OG)   | 41  | 511 (LG)     | 69  | 9 (LG/OG)    |
| 13  | 233 (DB/YE)  | 42  | 400 (LB/BK)  | 70  | 236 (BK/LG)  |
| 14  | 705 (LG/OG)  | 43  | 170 (RD/LB)  | 71  | 763 (OG/WH)  |
| 15  | 587 (VT/YE)  | 44  | 778 (OG)     | 72  | 770 (WH)     |
| 16  | 410 (WH/OG)  | 45  | 171 (BK/WH)  | 73  | 956 (OG/LG)  |
| 17  | —            | 46  | 186 (BN/LB)  | 74  | 569 (DG)     |
| 18  | —            | 47  | 777 (YE)     | 75  | 810 (RD/LG)  |
| 19  | 640 (RD/YE)  | 48  | 779 (BN)     | 76  | 109 (VT/WH)  |
| 20  | —            | 49  | 218 (WH/VT)  | 77  | 800 (GY/LB)  |
| 21  | 836 (OG/WH)  | 50  | 700 (WH/VT)  |     | *827 (TN/WH) |
| 22  | —            | 51  | 70 (LB/WH)   | 78  | 53 (BK/LB)   |
| 23  | 359 (GY/RD)  | 52  | 120 (PK/LG)  | 79  | 765 (YE/BK)  |
| 24  | 59 (DG/VT)   | 53  | 1000 (RD/BK) | 80  | 523 (RD/PK)  |
| 25  | 1003 (GY/YE) | 54  | 804 (OG/LG)  | 81  | —            |
| 26  | 54 (LG/YE)   | 55  | 886 (OG/BK)  | 82  | 772 (LB)     |
| 27  | 1435 (DG/VT) | 56  | 25 (DG/VT)   | 83  | 762 (YE/WH)  |
| 28  | 1436 (VT/OG) | 57  | 887 (YE)     | 84  | 771 (VT/YE)  |
| 29  | 999 (LB/WH)  |     |              |     |              |

# IN-LINE CONNECTOR FACES 150-10

1999 EXPLORER/MOUNTAINEER

\* W/O ELECTRONICS GROUP

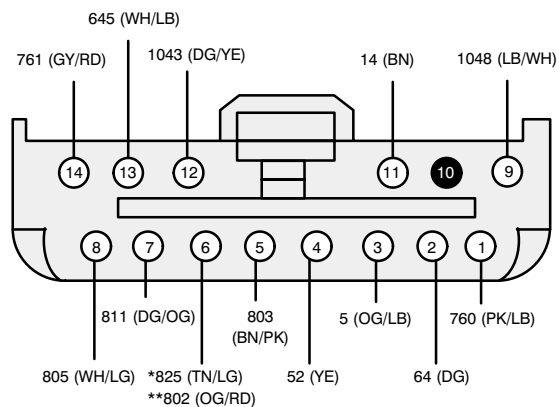


**C212M**

| PIN | CIRCUIT      | PIN | CIRCUIT      | PIN | CIRCUIT     |
|-----|--------------|-----|--------------|-----|-------------|
| 1   | 1013 (BN/LG) | 30  | 23 (TN/LG)   | 57  | 887 (YE)    |
| 2   | 234 (DB/WH)  | 31  | 6 (YE/LG)    | 58  | 774 (LG)    |
| 3   | 411 (BK/LB)  | 32  | 91 (VT/WH)   | 59  | 359 (GY/RD) |
| 4   | 298 (VT/OG)  | 33  | 55 (BK/PK)   | 60  | 764 (BN/WH) |
| 5   | 1002 (BK/PK) | 34  | 570 (BK/WH)  | 61  | 85 (BN/LB)  |
| 6   | 343 (DB/LG)  |     | *651 (BK/YE) | 62  | 235 (RD/BK) |
| 7   | 140 (BK/PK)  | 35  | —            | 63  | —           |
| 8   | —            | 36  | 29 (YE/WH)   | 64  | 679 (GY/BK) |
| 9   | 162 (LG/RD)  | 37  | 903 (RD)     | 65  | 801 (TN/YE) |
| 10  | 351 (BN/WH)  | 38  | 991 (TN/LB)  | 66  | 813 (LB/WH) |
| 11  | 791 (RD/PK)  | 39  | 417 (VT/OG)  | 67  | 759 (LG/YE) |
| 12  | 34 (LB/OG)   | 40  | 787 (PK/BK)  | 68  | 519 (LG/BK) |
| 13  | 233 (DB/YE)  | 41  | 511 (LG)     | 69  | 9 (LG/OG)   |
| 14  | 705 (LG/OG)  | 42  | 400 (LB/BK)  | 70  | 236 (BK/LG) |
| 15  | 587 (VT/YE)  | 43  | 170 (RD/LB)  | 71  | 763 (OG/WH) |
| 16  | 410 (WH/OG)  | 44  | 778 (OG)     | 72  | 770 (WH)    |
| 17  | 930 (VT/LG)  | 45  | 171 (BK/WH)  | 73  | 956 (OG/LG) |
| 18  | 936 (DG/WH)  | 46  | 186 (BN/LB)  | 74  | 569 (DG)    |
| 19  | 640 (RD/YE)  | 47  | 777 (YE)     | 75  | 810 (RD/LG) |
| 20  | —            | 48  | 779 (BN)     | 76  | 109 (VT/WH) |
| 21  | 836 (OG/WH)  | 49  | 218 (WH/VT)  | 77  | 800 (GY/LB) |
| 22  | —            | 50  | 700 (WH/VT)  | 78  | 53 (BK/LB)  |
| 23  | 359 (GY/RD)  | 51  | 70 (LB/WH)   | 79  | 765 (YE/BK) |
| 24  | 59 (DG/VT)   | 52  | 120 (PK/LG)  | 80  | 523 (RD/PK) |
| 25  | 1003 (GY/YE) | 53  | 1000 (RD/BK) | 81  | —           |
| 26  | 54 (LG/YE)   | 54  | 804 (OG/LG)  | 82  | 772 (LB)    |
| 27  | 1435 (DG/VT) | 55  | 886 (OG/BK)  | 83  | 762 (YE/WH) |
| 28  | 1436 (VT/OG) | 56  | 25 (DG/VT)   | 84  | 771 (VT/YE) |
| 29  | 999 (LB/WH)  |     |              |     |             |

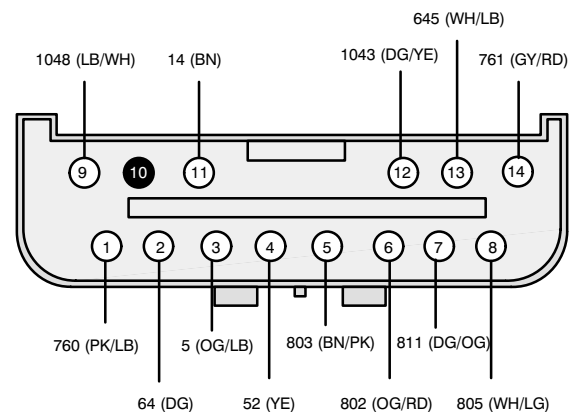
# 150-11 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER

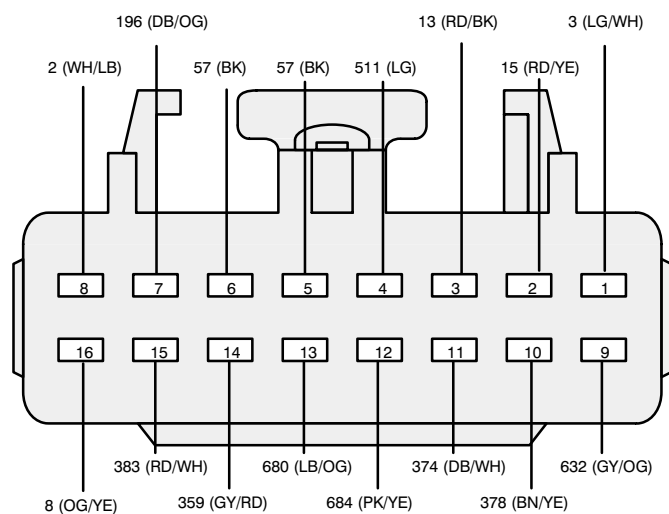


**C213F**

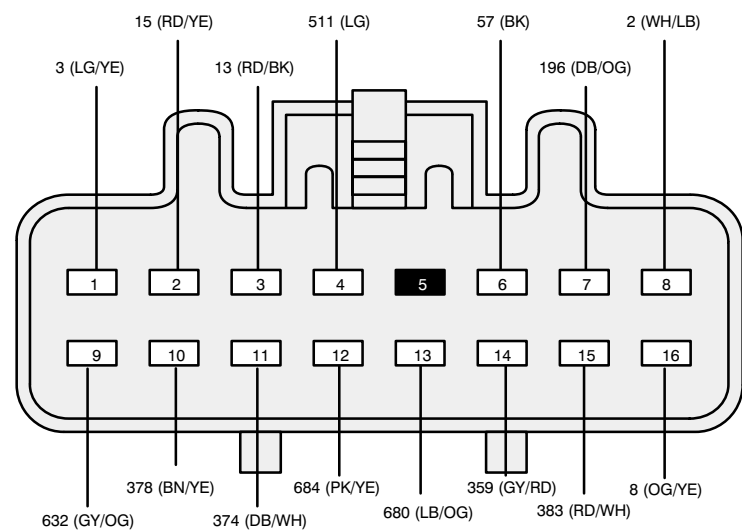
\* W/HIGH SERIES CONSOLE  
\*\* W/O HIGH SERIES CONSOLE



**C213M**



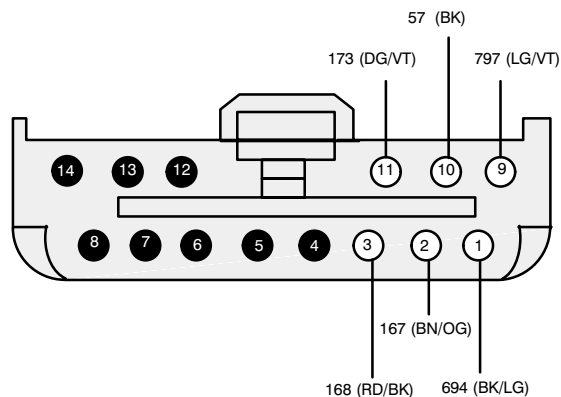
**C226F**



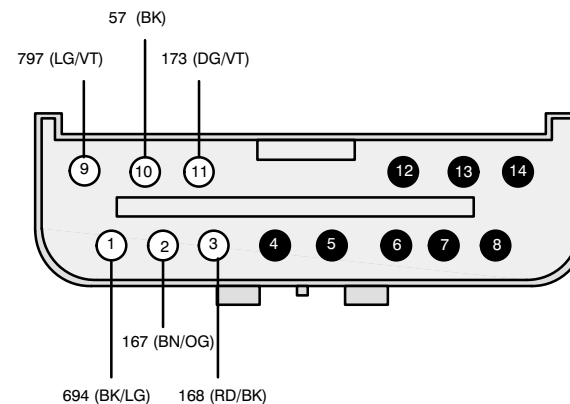
**C226M**

# IN-LINE CONNECTOR FACES 150-12

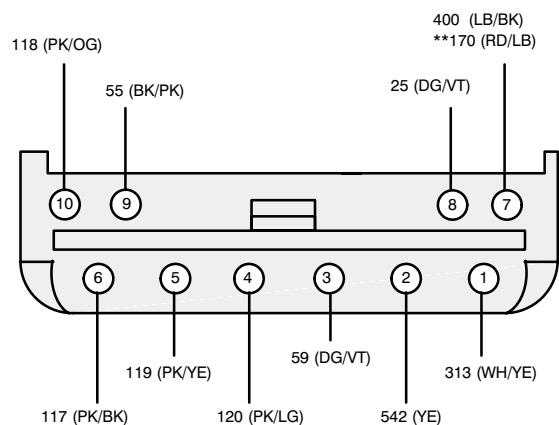
1999 EXPLORER/MOUNTAINEER



**C240F**

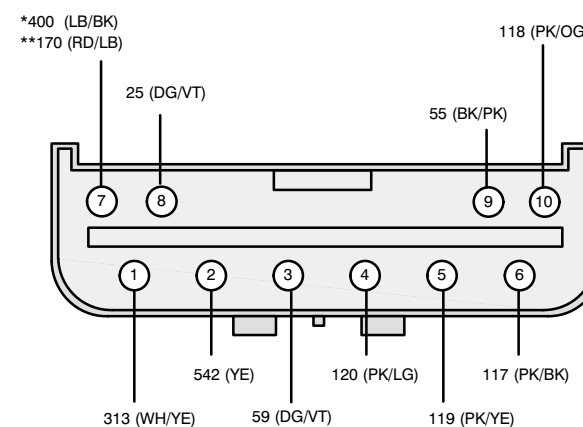


**C240M**



**C242F**

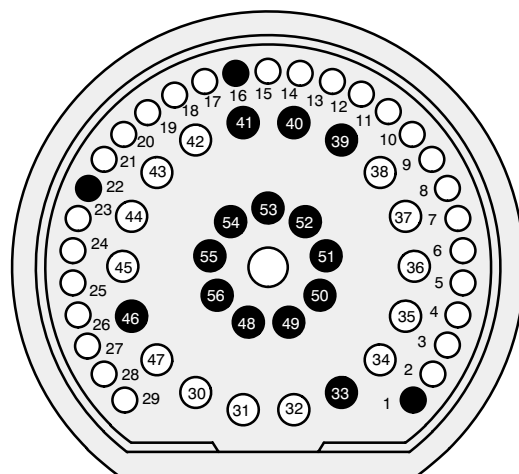
\* TWO DOOR  
\*\* FOUR DOOR



**C242M**

# 150-13 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER



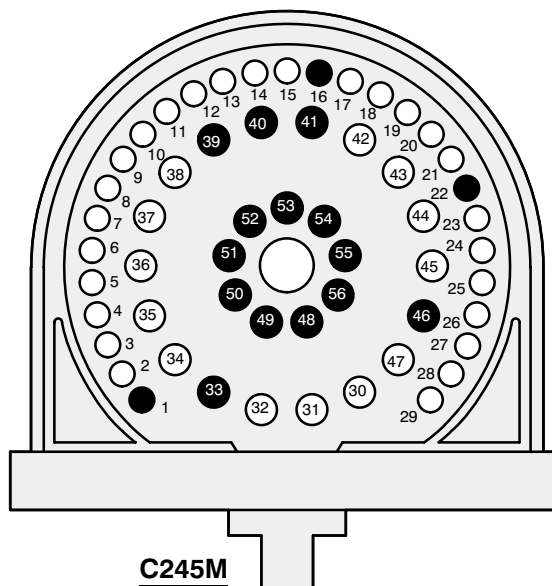
\* W/ELECTRONICS GROUP  
\*\* W/O ELECTRONICS GROUP

**C245F**

| PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT       | PIN | CIRCUIT     |
|-----|-------------|-----|-------------|-----|---------------|-----|-------------|
| 1   | —           | 15  | 235 (RD/BK) | 29  | 66 (LB)       | 42  | 170 (RD/LB) |
| 2   | 120 (PK/LG) | 16  | —           | 30  | 313 (WH/YE)   | 43  | 320 (RD/BK) |
| 3   | 119 (PK/YE) | 17  | 765 (YE/BK) | 31  | 991 (TN/LB)   | 44  | 319 (YE/BK) |
| 4   | 542 (YE)    | 18  | 25 (DG/VT)  | 32  | 903 (RD)      | 45  | 57 (BK)     |
| 5   | 543 (DG)    | 19  | 55 (BK/PK)  | 33  | —             | 46  | —           |
| 6   | 544 (VT)    | 20  | 813 (LB/WH) | 34  | *163 (RD/OG)  | 47  | 314 (TN/LB) |
| 7   | 956 (OG/LG) | 21  | 804 (OG/LG) |     | **118 (PK/OG) | 48  | —           |
| 8   | 59 (DG/VT)  | 22  | —           | 35  | 117 (PK/BK)   | 49  | —           |
| 9   | 956 (OG/LG) | 23  | 124 (BN)    | 36  | 400 (LB/BK)   | 50  | —           |
| 10  | 267 (BN/LG) | 24  | 123 (RD)    | 37  | 316 (YE/LB)   | 51  | —           |
| 11  | 268 (BK/OG) | 25  | 122 (YE)    | 38  | 317 (GY/OG)   | 52  | —           |
| 12  | 270 (BN/OG) | 26  | 121 (YE/BK) | 39  | —             | 53  | —           |
| 13  | 57 (BK)     | 27  | 79 (LG/RD)  | 40  | —             | 54  | —           |
| 14  | 272 (WH/OG) | 28  | 78 (LB/YE)  | 41  | —             | 55  | —           |
|     |             |     |             |     |               | 56  | —           |

# IN-LINE CONNECTOR FACES 150-14

1999 EXPLORER/MOUNTAINEER

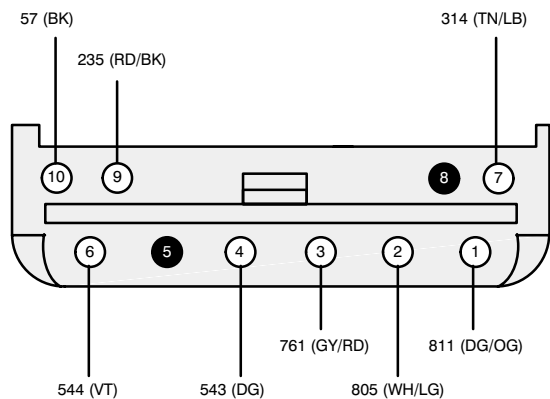


\* W/ELECTRONICS GROUP  
\*\* W/O ELECTRONICS GROUP

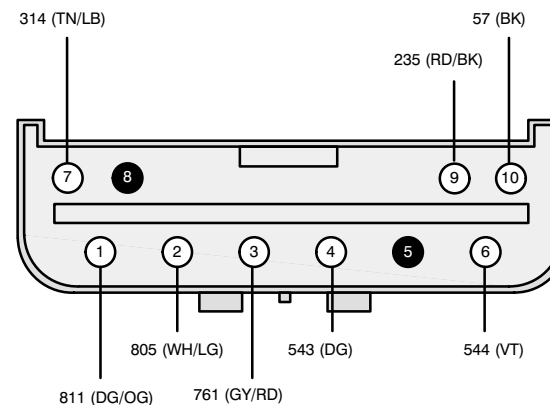
| PIN | CIRCUIT     | PIN | CIRCUIT     | PIN | CIRCUIT       | PIN | CIRCUIT     |
|-----|-------------|-----|-------------|-----|---------------|-----|-------------|
| 1   | —           | 15  | 235 (RD/BK) | 29  | 66 (LB)       | 42  | 170 (RD/LB) |
| 2   | 120 (PK/LG) | 16  | —           | 30  | 313 (WH/YE)   | 43  | 320 (RD/BK) |
| 3   | 119 (PK/YE) | 17  | 765 (YE/BK) | 31  | 991 (TN/LB)   | 44  | 319 (YE/BK) |
| 4   | 542 (YE)    | 18  | 25 (DG/VT)  | 32  | 903 (RD)      | 45  | 57 (BK)     |
| 5   | 543 (DG)    | 19  | 55 (BK/PK)  | 33  | —             | 46  | —           |
| 6   | 544 (VT)    | 20  | 813 (LB/WH) | 34  | *163 (RD/OG)  | 47  | 314 (TN/LB) |
| 7   | 956 (OG/LG) | 21  | 804 (OG/LG) |     | **118 (PK/OG) | 48  | —           |
| 8   | 59 (DG/VT)  | 22  | —           | 35  | 117 (PK/BK)   | 49  | —           |
| 9   | 956 (OG/LG) | 23  | 124 (BN)    | 36  | 400 (LB/BK)   | 50  | —           |
| 10  | 267 (BN/LG) | 24  | 123 (RD)    | 37  | 316 (YE/LB)   | 51  | —           |
| 11  | 268 (BK/OG) | 25  | 122 (YE)    | 38  | 317 (GY/OG)   | 52  | —           |
| 12  | 270 (BN/OG) | 26  | 121 (YE/BK) | 39  | —             | 53  | —           |
| 13  | 57 (BK)     | 27  | 79 (LG/RD)  | 40  | —             | 54  | —           |
| 14  | 272 (WH/OG) | 28  | 78 (LB/YE)  | 41  | —             | 55  | —           |
|     |             |     |             |     |               | 56  | —           |

# 150-15 IN-LINE CONNECTOR FACES

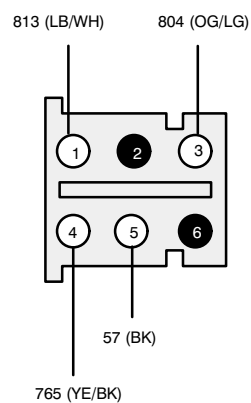
1999 EXPLORER/MOUNTAINEER



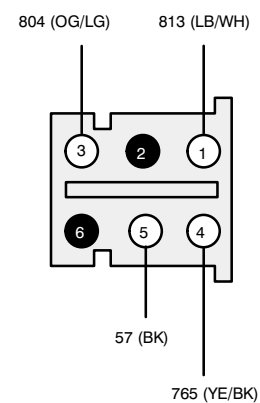
**C244F**



**C244M**



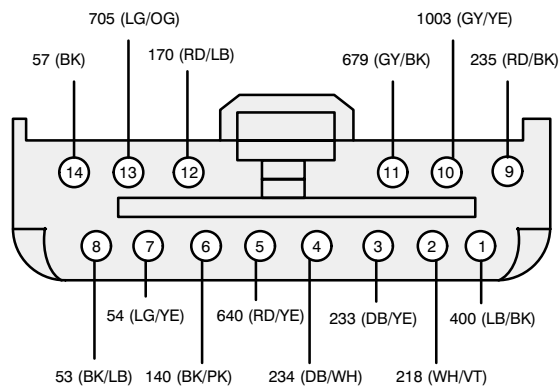
**C258F**



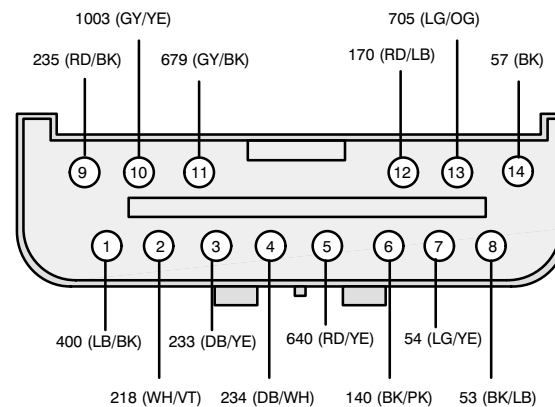
**C258M**

# IN-LINE CONNECTOR FACES 150-16

1999 EXPLORER/MOUNTAINEER



**C267F**

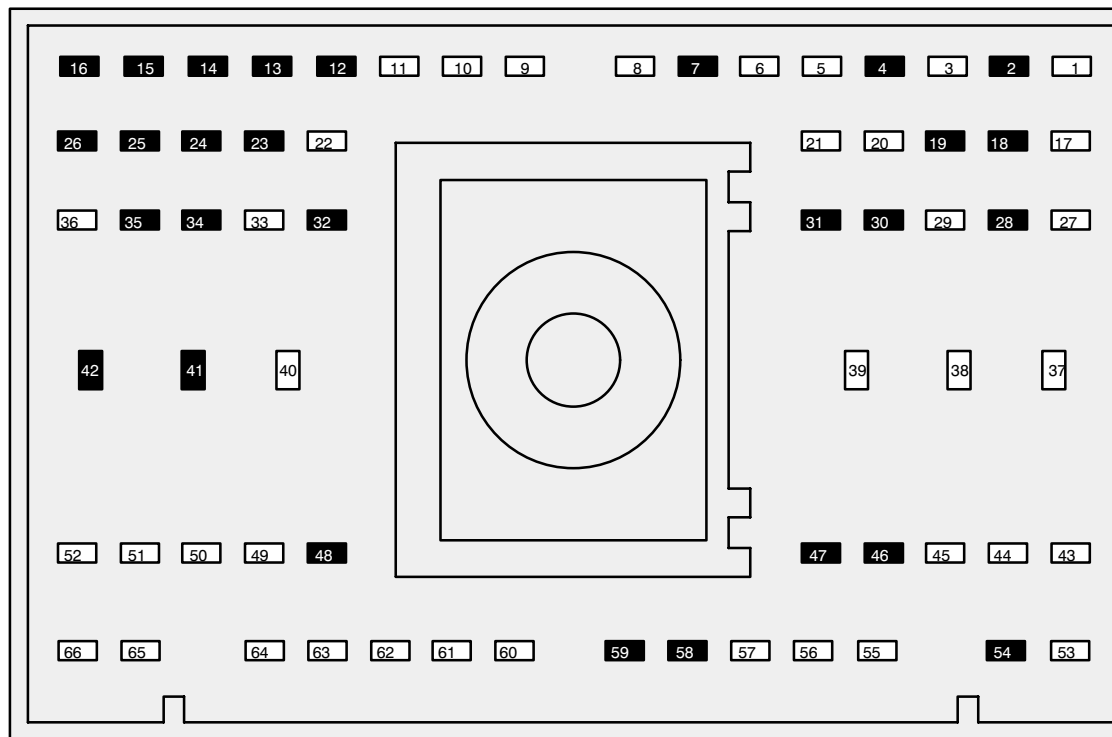


**C267M**

# 150-17 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER

| PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|
| 1   | 1003 (GY/YE) | 34  | —            |
| 2   | —            | 35  | —            |
| 3   | 258 (WH/PK)  | 36  | 803 (BN/PK)  |
| 4   | —            | 37  | 1049 (BN/PK) |
| 5   | 305 (LB/PK)  | 38  | 57 (BK)      |
| 6   | 11 (TN/YE)   | 39  | 260 (RD/OG)  |
| 7   | —            | 40  | 825 (TN/LG)  |
| 8   | 235 (RD/BK)  | 41  | —            |
| 9   | 29 (YE/WH)   | 42  | —            |
| 10  | 183 (TN/YE)  | 43  | 397 (BK/WH)  |
| 11  | 254 (DG/WH)  | 44  | 19 (LB/RD)   |
| 12  | —            | 45  | 82 (PK/YE)   |
| 13  | —            | 46  | —            |
| 14  | —            | 47  | —            |
| 15  | —            | 48  | 694 (BK/LG)  |
| 16  | —            | 49  | —            |
| 17  | 54 (LG/YE)   | 50  | 827 (TN/WH)  |
| 18  | —            | 51  | 832 (LB/PK)  |
| 19  | —            | 52  | 833 (TN)     |
| 20  | 506 (RD)     | 53  | 797 (LG/VT)  |
| 21  | 679 (GY/BK)  | 54  | —            |
| 22  | 39 (RD/WH)   | 55  | 1068 (LG/BK) |
| 23  | —            | 56  | 803 (BN/PK)  |
| 24  | —            | 57  | 802 (OG/RD)  |
| 25  | —            | 58  | —            |
| 26  | —            | 59  | —            |
| 27  | 181 (BN/OG)  | 60  | 800 (GY/LB)  |
| 28  | —            | 61  | 801 (TN/YE)  |
| 29  | 801 (TN/YE)  | 62  | 57 (BK)      |
| 30  | —            | 63  | 798 (LG/VT)  |
| 31  | —            | 64  | 690 (GY)     |
| 32  | —            | 65  | 856 (VT)     |
| 33  | 570 (BK/WH)  | 66  | 799 (OG/BK)  |

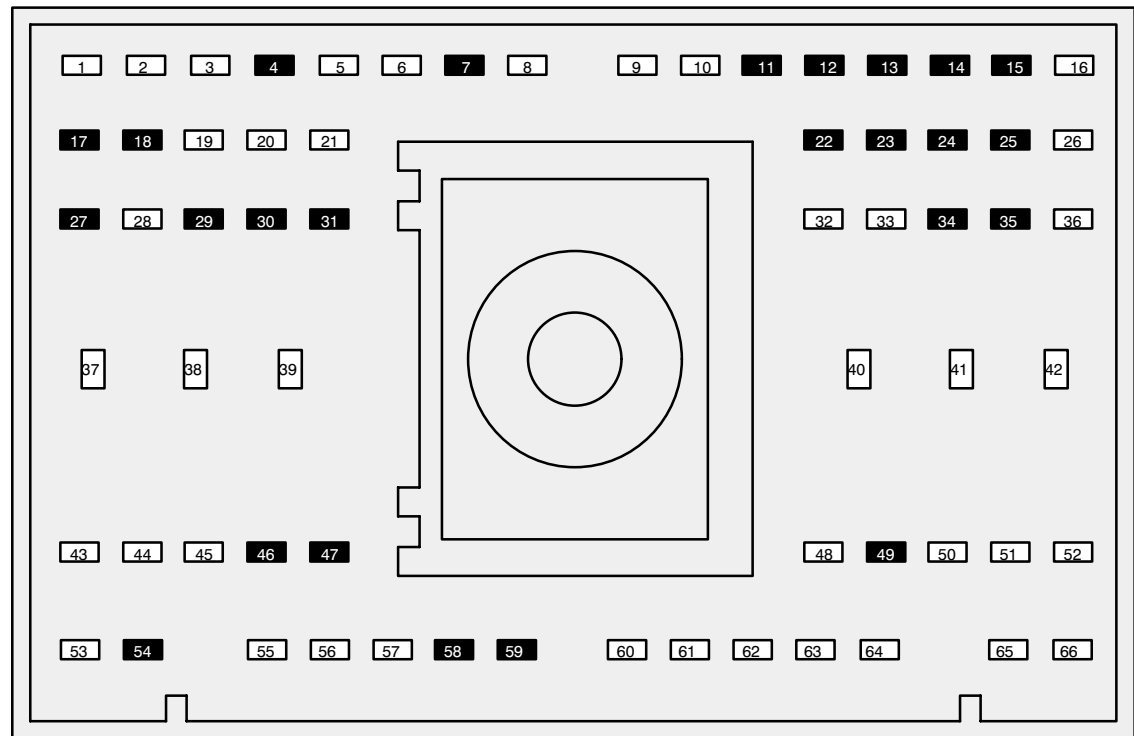


**C292F**

# IN-LINE CONNECTOR FACES 150-18

1999 EXPLORER/MOUNTAINEER

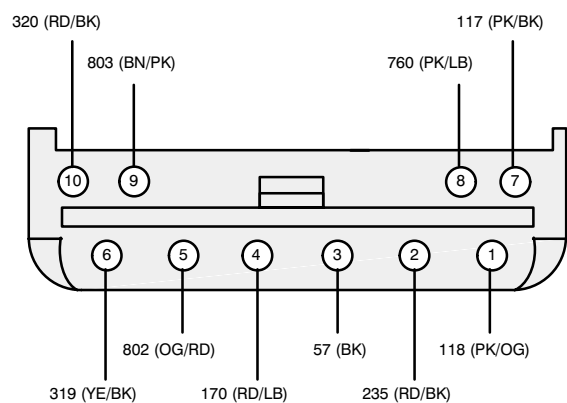
| PIN | CIRCUIT      | PIN | CIRCUIT      |
|-----|--------------|-----|--------------|
| 1   | 1003 (GY/YE) | 34  | —            |
| 2   | 371 (PK/WH)  | 35  | —            |
| 3   | 258 (WH/PK)  | 36  | 803 (BN/PK)  |
| 4   | —            | 37  | 1049 (BN/PK) |
| 5   | 305 (LB/PK)  | 38  | 57 (BK)      |
| 6   | 11 (TN/YE)   | 39  | 260 (RD/OG)  |
| 7   | —            | 40  | 825 (TN/LG)  |
| 8   | 235 (RD/BK)  | 41  | —            |
| 9   | 29 (YE/WH)   | 42  | —            |
| 10  | 183 (TN/YE)  | 43  | 644 (DG)     |
| 11  | 254 (DG/WH)  | 44  | 19 (LB/RD)   |
| 12  | —            | 45  | 82 (PK/YE)   |
| 13  | —            | 46  | —            |
| 14  | —            | 47  | —            |
| 15  | —            | 48  | 694 (BK/LG)  |
| 16  | —            | 49  | —            |
| 17  | 54 (LG/YE)   | 50  | 827 (TN/WH)  |
| 18  | —            | 51  | 832 (LB/PK)  |
| 19  | —            | 52  | 833 (TN)     |
| 20  | 506 (RD)     | 53  | 797 (LG/VT)  |
| 21  | 679 (GY/BK)  | 54  | —            |
| 22  | 39 (RD/WH)   | 55  | 1068 (LG/BK) |
| 23  | —            | 56  | 803 (BN/PK)  |
| 24  | —            | 57  | 802 (OG/RD)  |
| 25  | —            | 58  | —            |
| 26  | —            | 59  | —            |
| 27  | 181 (BN/OG)  | 60  | 800 (GY/LB)  |
| 28  | —            | 61  | 801 (TN/YE)  |
| 29  | 801 (TN/YE)  | 62  | 57 (BK)      |
| 30  | —            | 63  | 798 (LG/VT)  |
| 31  | —            | 64  | 690 (GY)     |
| 32  | —            | 65  | 856 (VT)     |
| 33  | 570 (BK/WH)  | 66  | 799 (OG/BK)  |



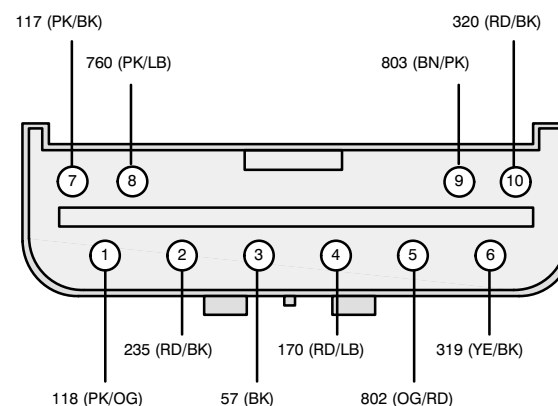
**C292M**

# 150-19 IN-LINE CONNECTOR FACES

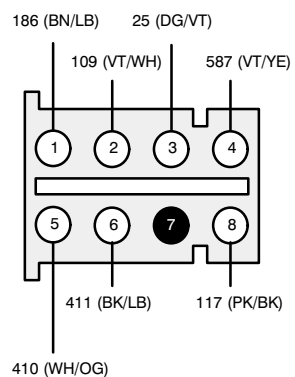
1999 EXPLORER/MOUNTAINEER



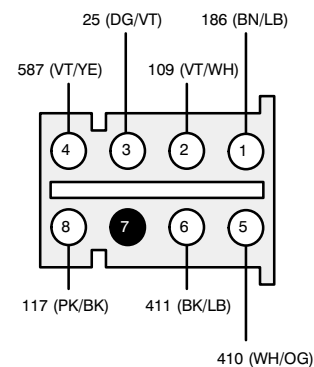
**C316F**



**C316M**



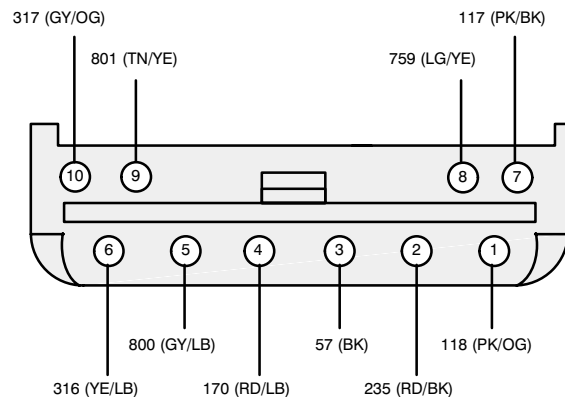
**C318F**



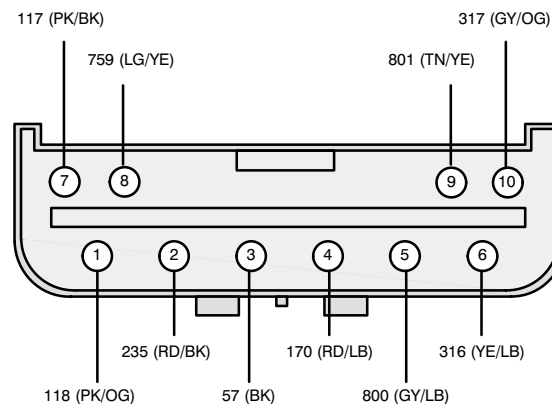
**C318M**

# IN-LINE CONNECTOR FACES 150-20

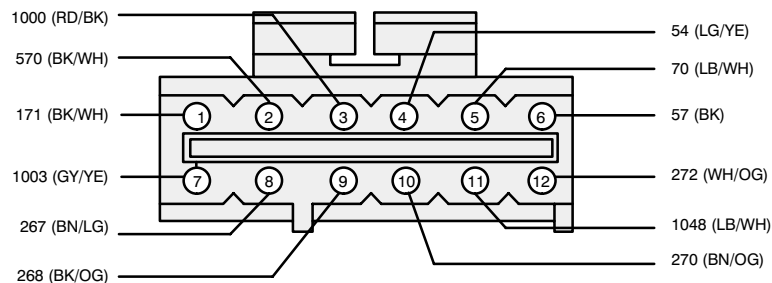
1999 EXPLORER/MOUNTAINEER



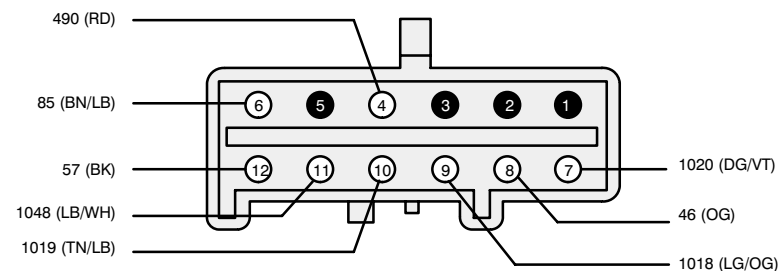
**C323F**



**C323M**



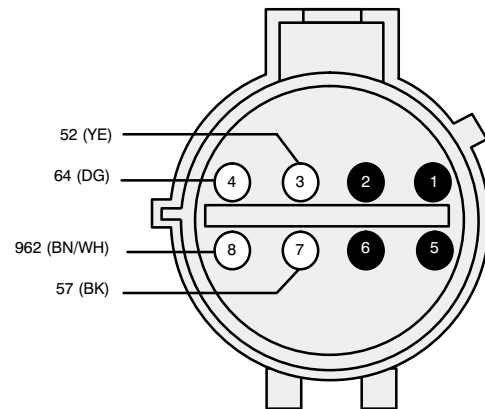
**C346F**



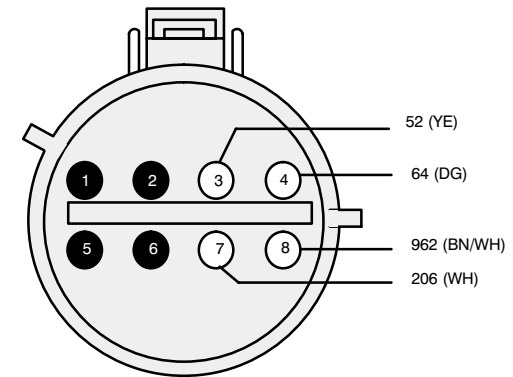
**C346M**

# 150-21 IN-LINE CONNECTOR FACES

1999 EXPLORER/MOUNTAINEER



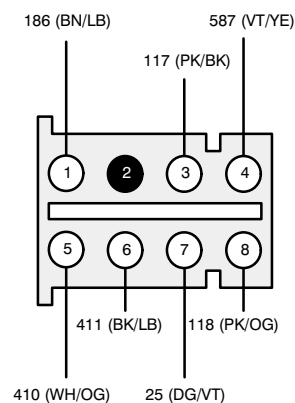
**C402F**



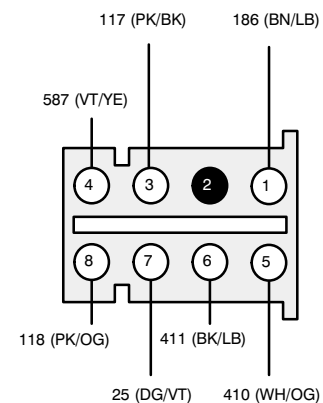
**C402M**

# IN-LINE CONNECTOR FACES 150-22

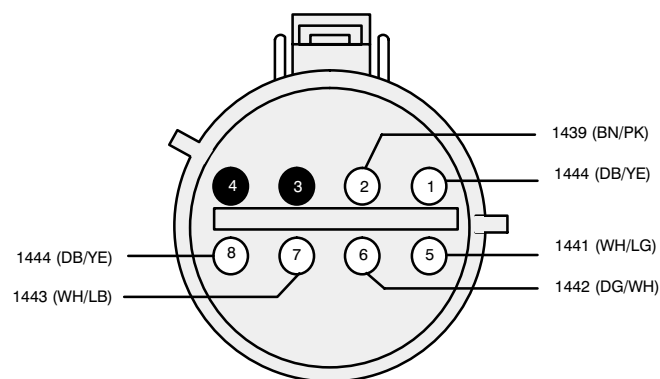
1999 EXPLORER/MOUNTAINEER



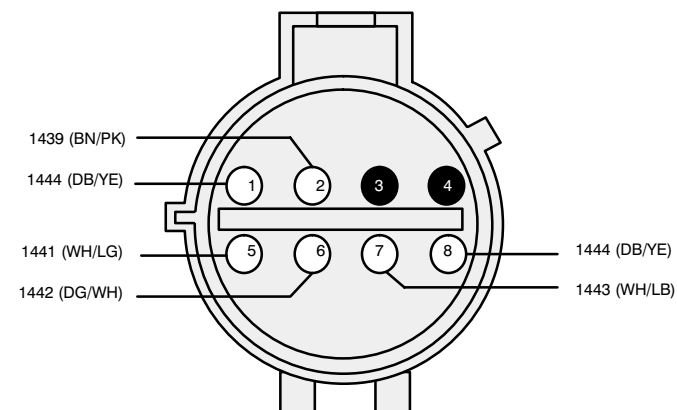
**C424F**



**C424M**



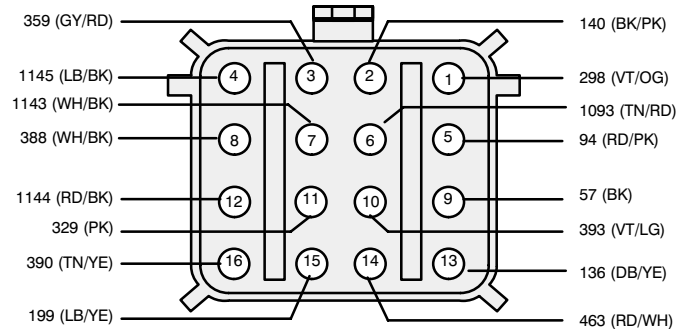
**C442F**



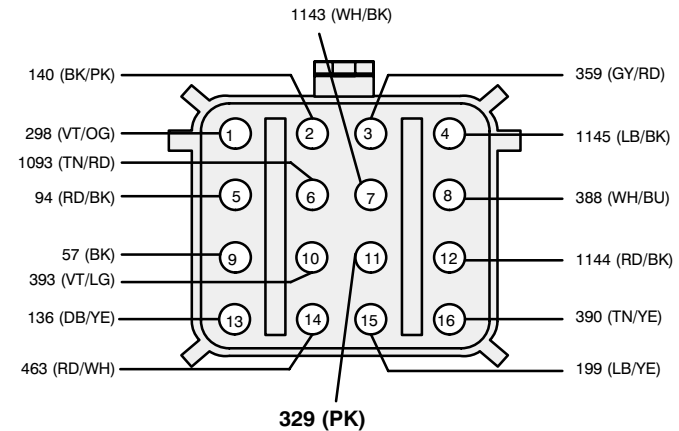
**C442M**

# 150-23 IN-LINE CONNECTOR FACES

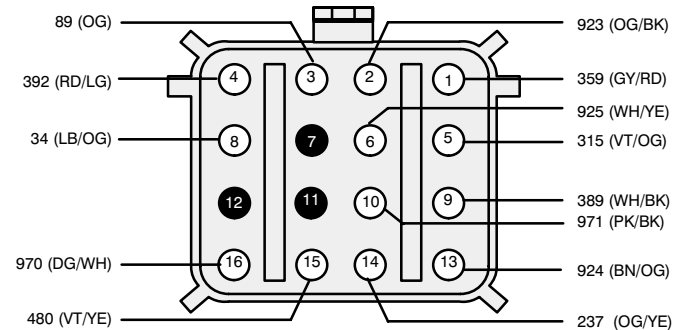
1999 EXPLORER/MOUNTAINEER



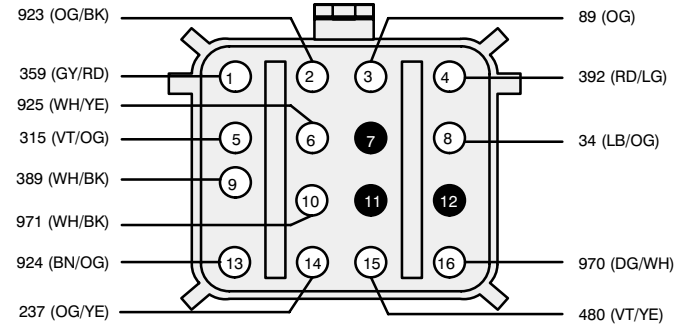
**C113F**



**C113M**



**C118F**



**C118M**

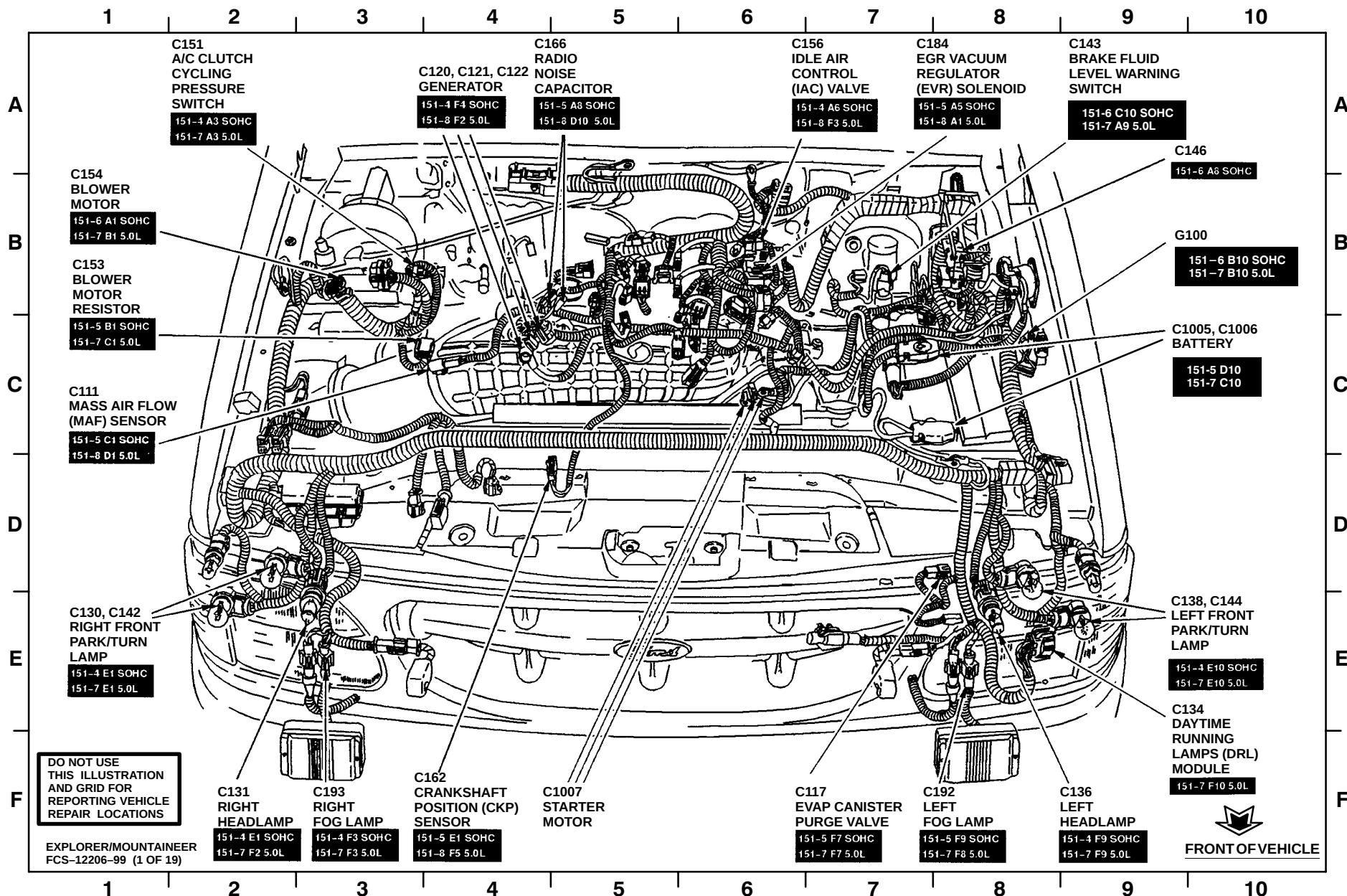
## NOTES 150-24

## 1999 EXPLORER/MOUNTAINEER

1999 EXPLORER/MOUNTAINEER

# 151-1 COMPONENT LOCATION VIEWS

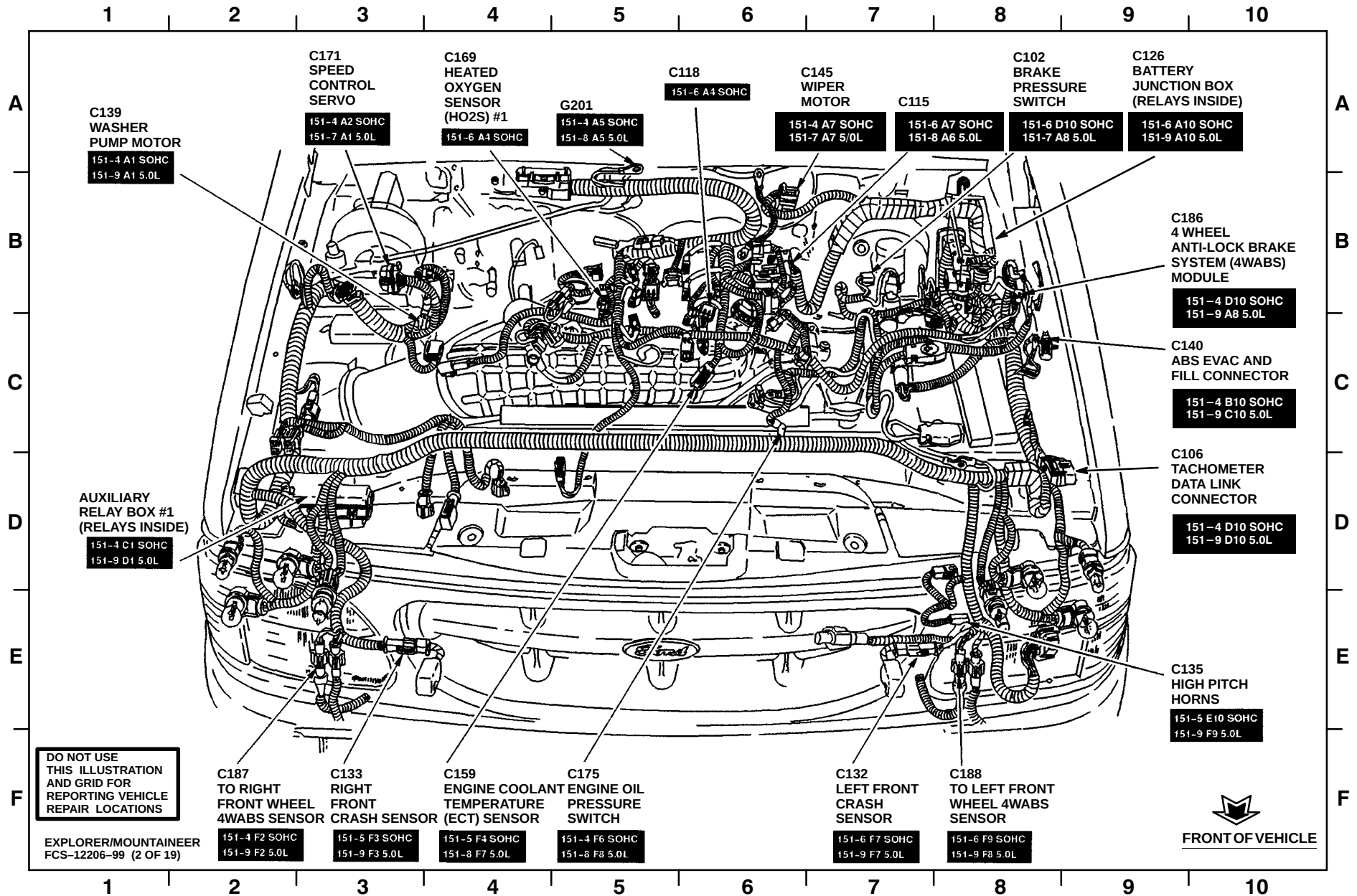
1999 EXPLORER/MOUNTAINEER



4.0L EI ENGINE (1 OF 3)

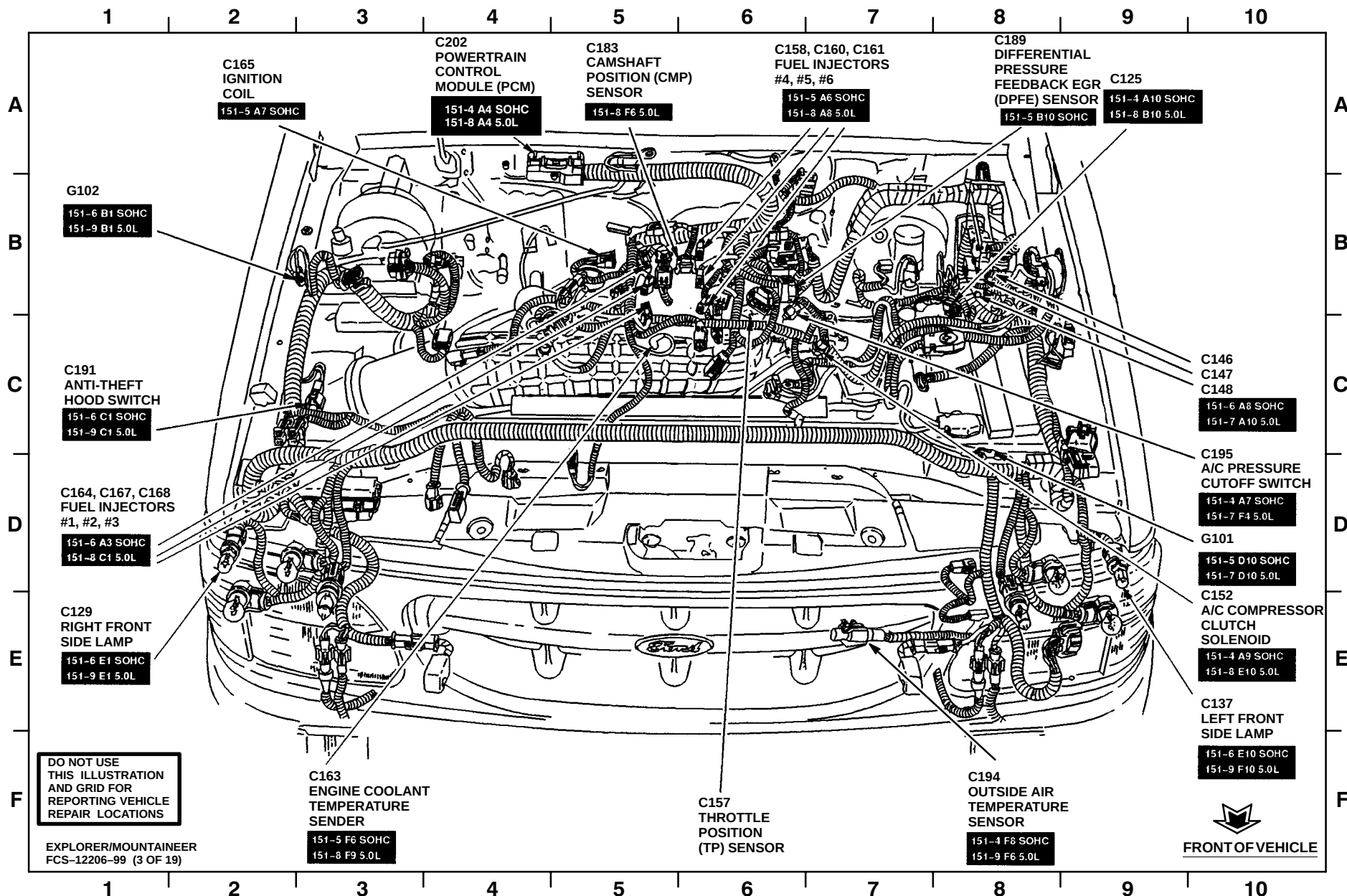
# COMPONENT LOCATION VIEWS 151-2

1999 EXPLORER/MOUNTAINEER



# 151-3 COMPONENT LOCATION VIEWS

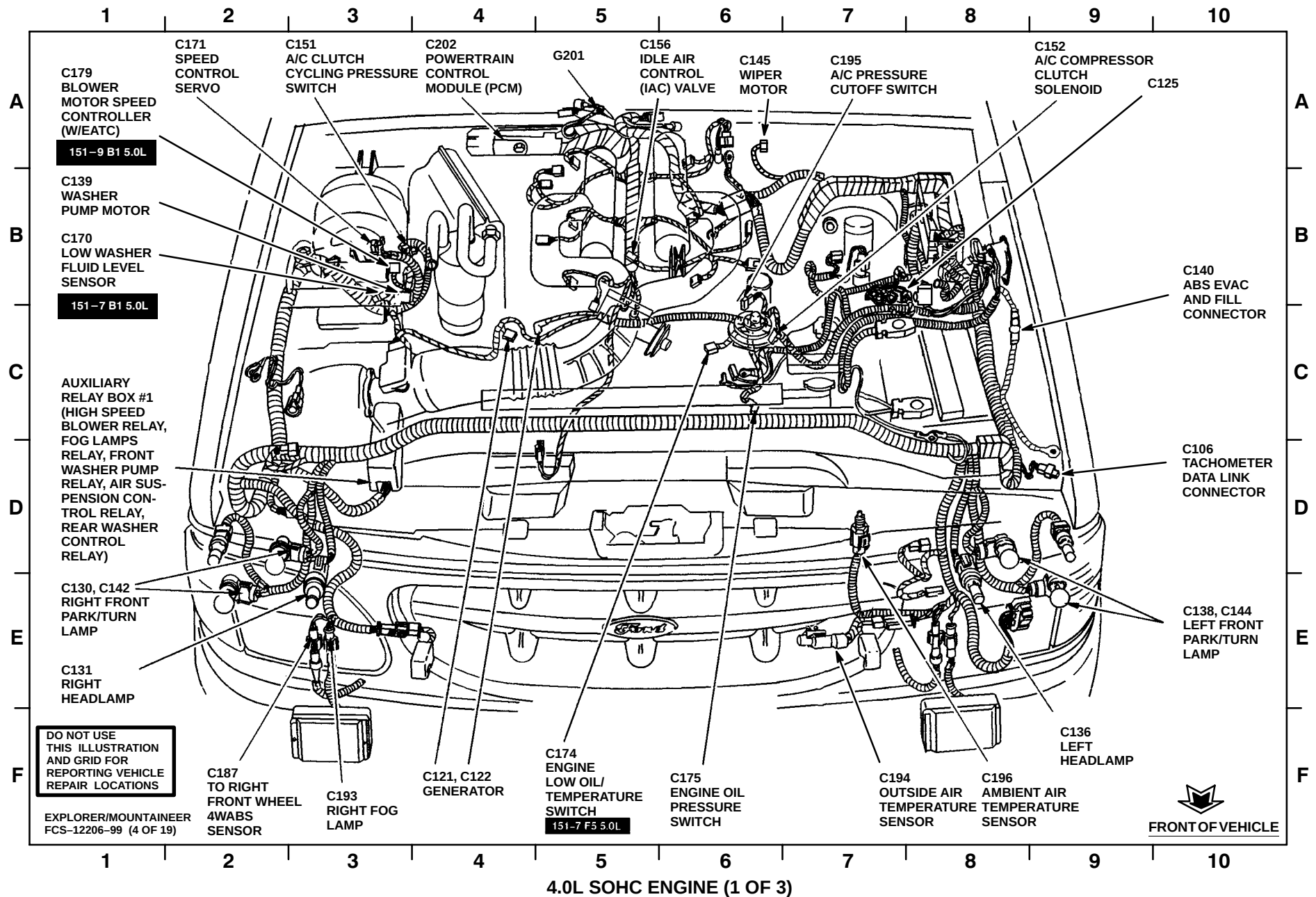
1999 EXPLORER/MOUNTAINEER



4.0L EI ENGINE (3 OF 3)

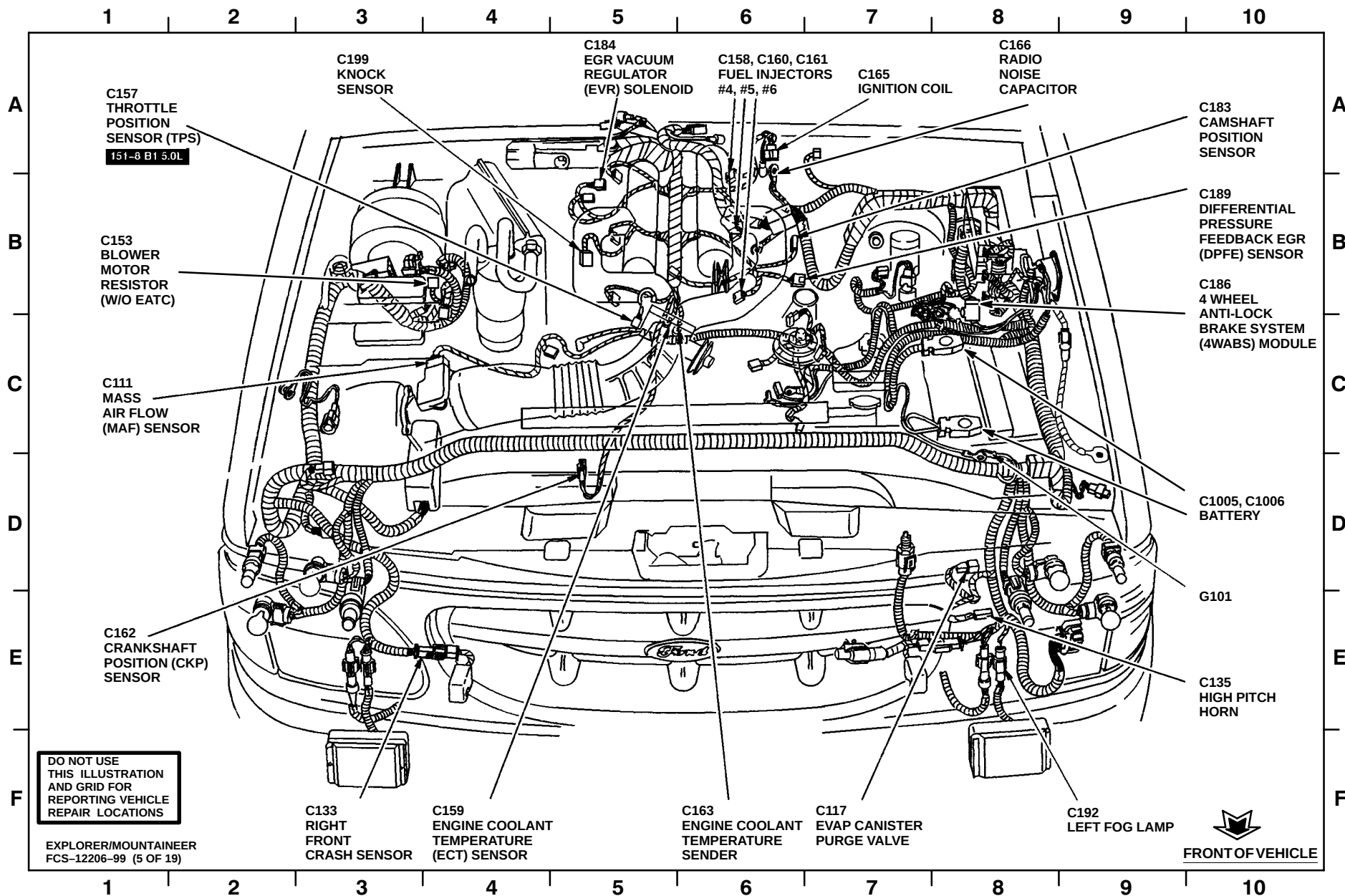
# COMPONENT LOCATION VIEWS 151-4

1999 EXPLORER/MOUNTAINEER



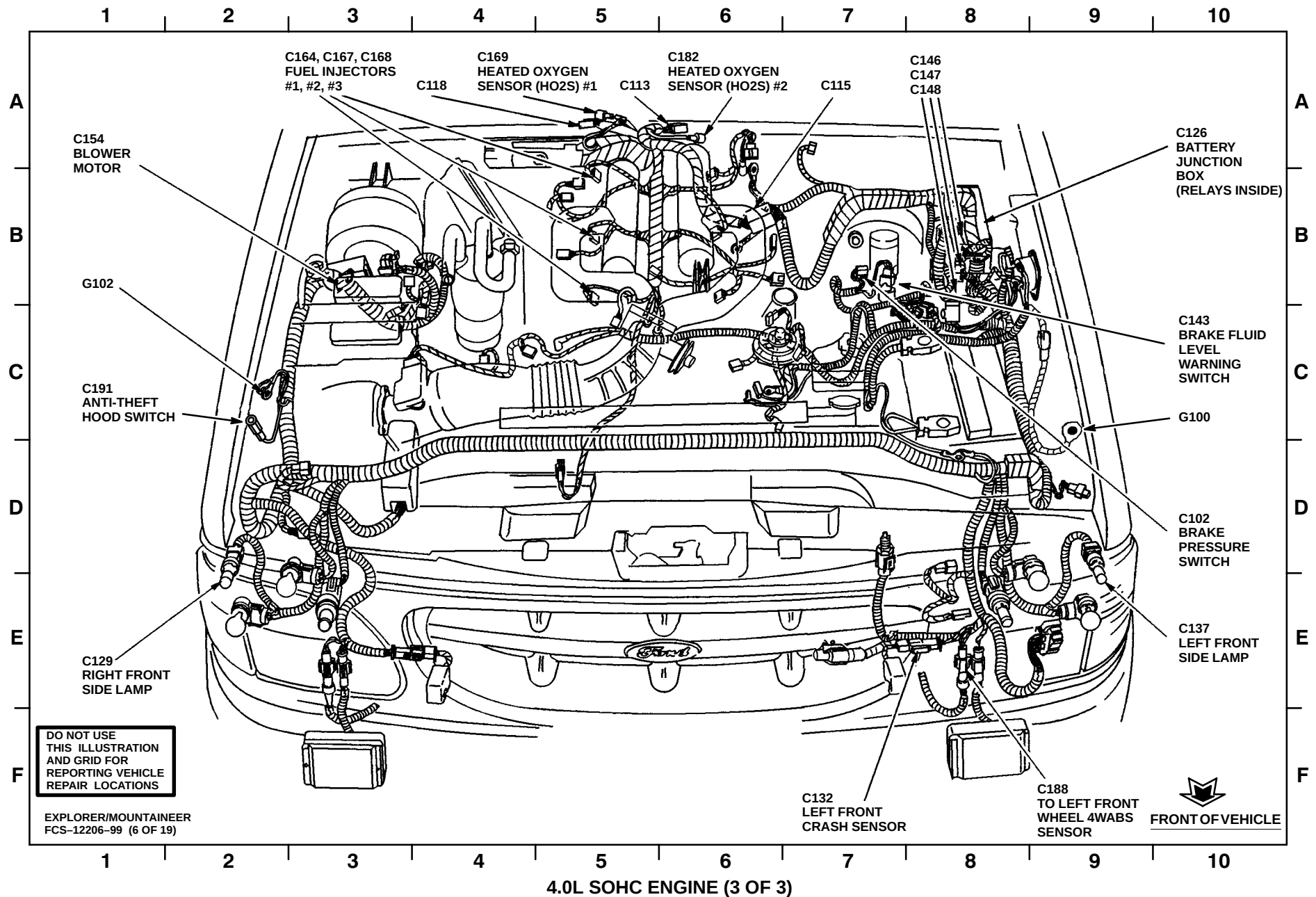
# 151-5 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



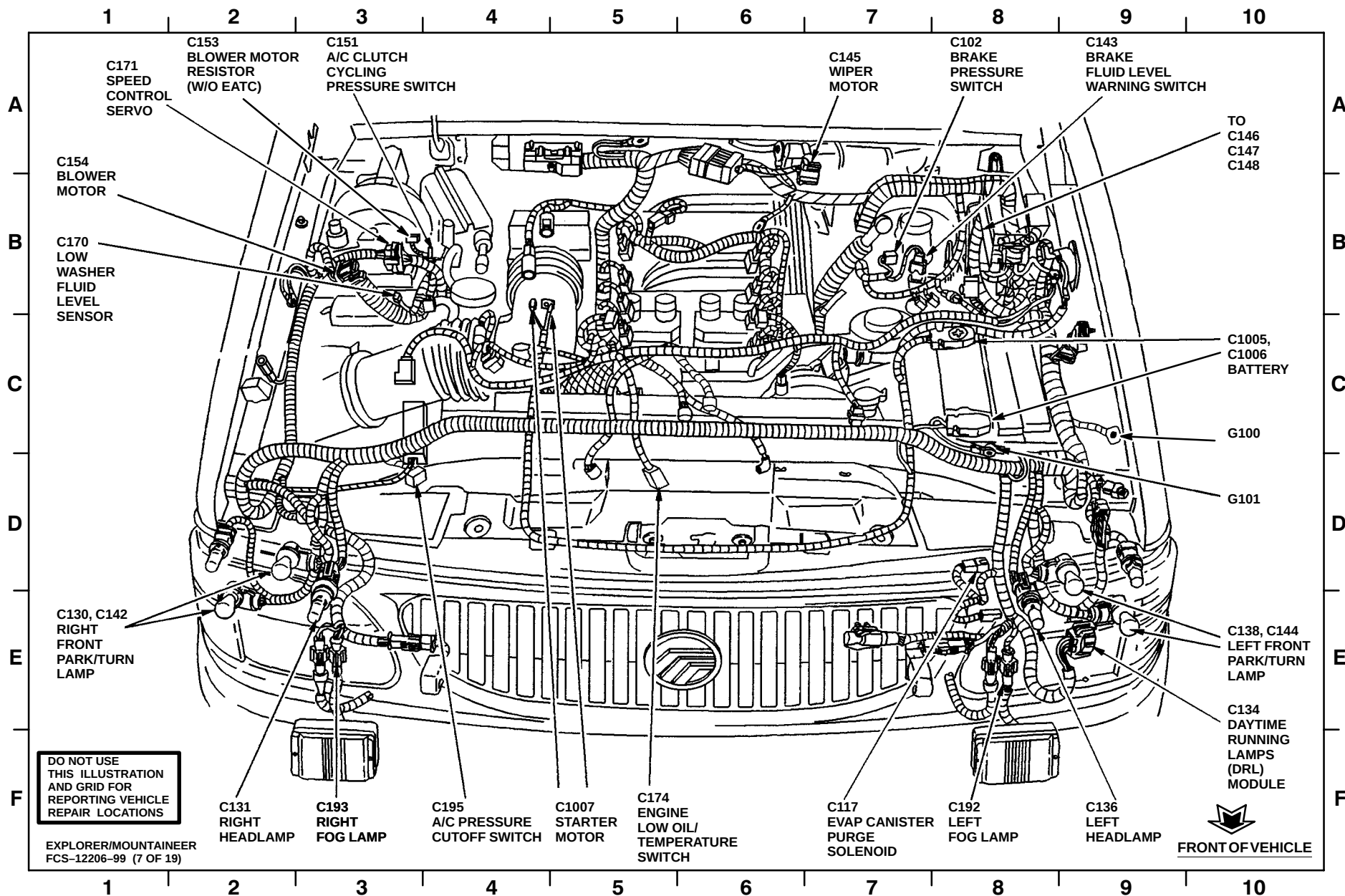
# COMPONENT LOCATION VIEWS 151-6

1999 EXPLORER/MOUNTAINEER



# 151-7 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER

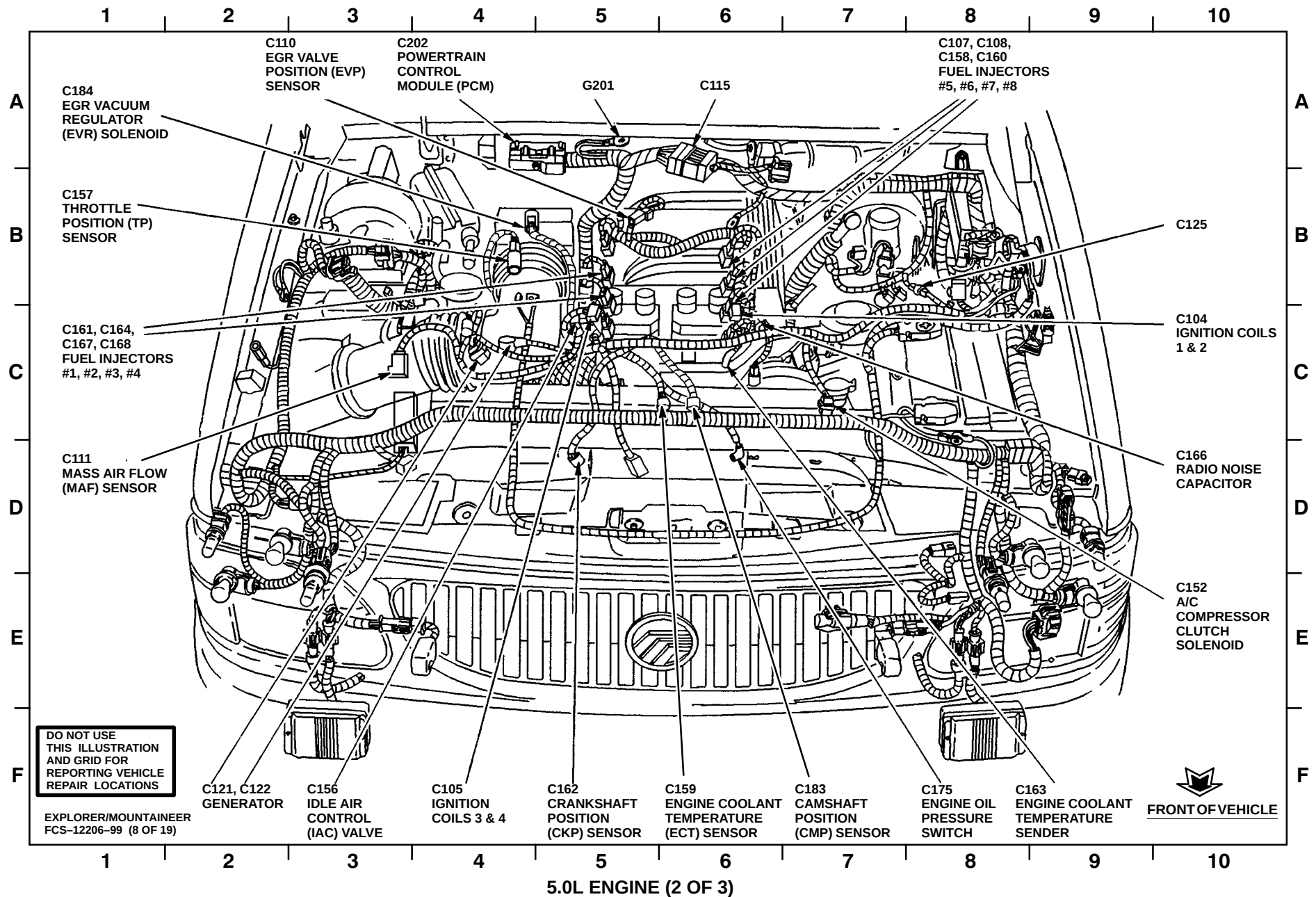


DO NOT USE THIS ILLUSTRATION AND GRID FOR REPORTING VEHICLE REPAIR LOCATIONS

EXPLORER/MOUNTAINEER  
FCS-12206-99 (7 OF 19)

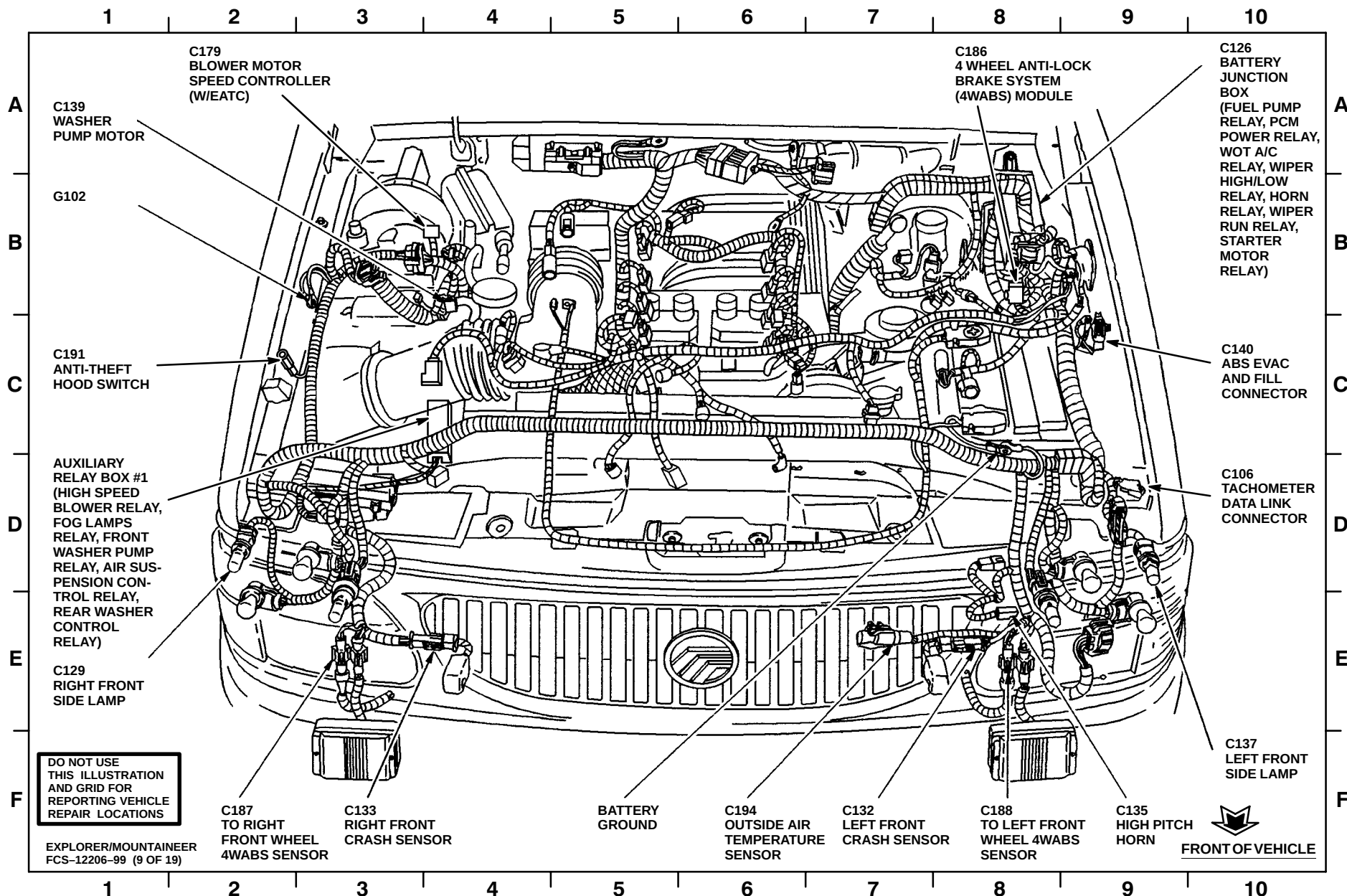
# COMPONENT LOCATION VIEWS 151-8

1999 EXPLORER/MOUNTAINEER



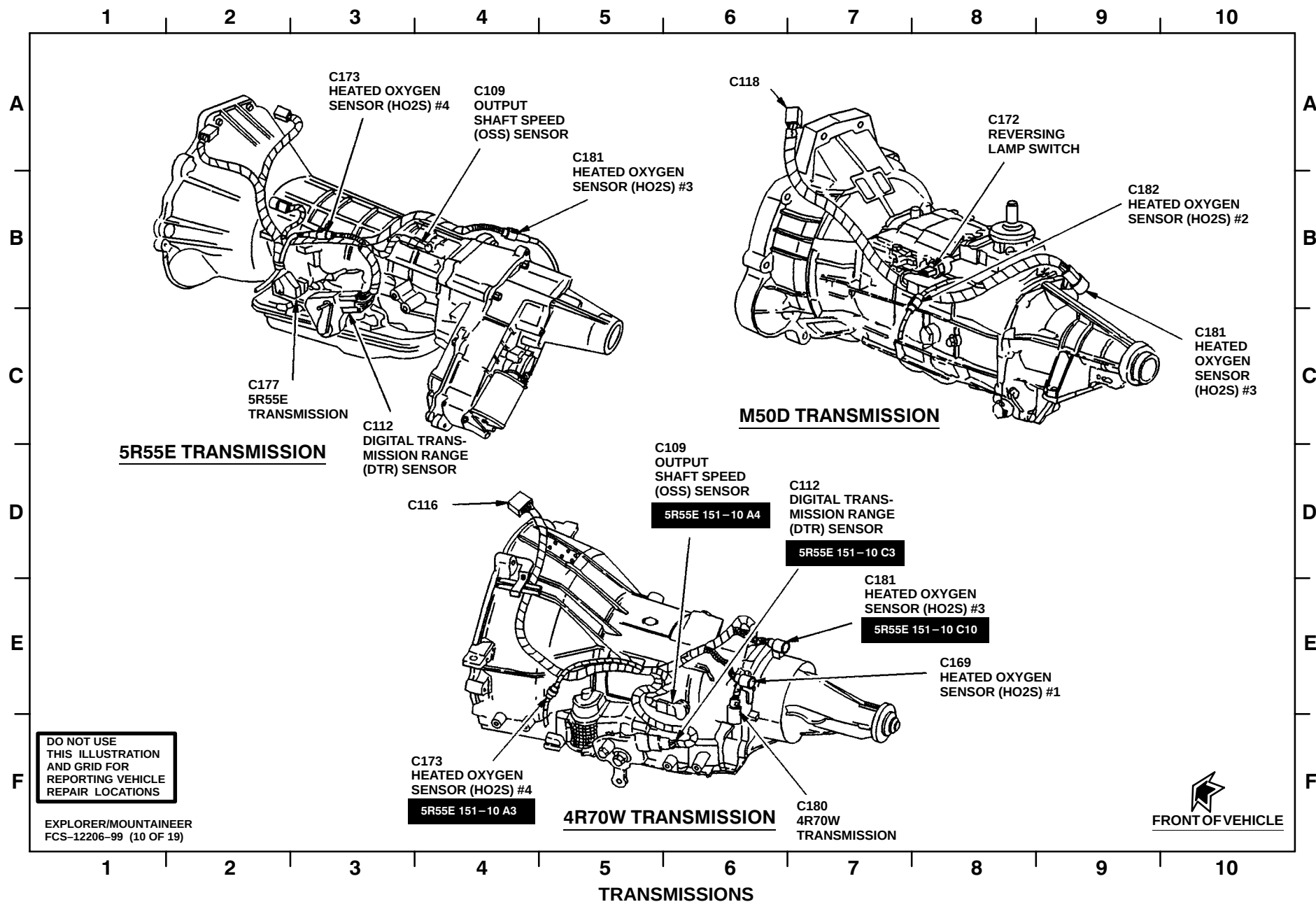
# 151-9 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



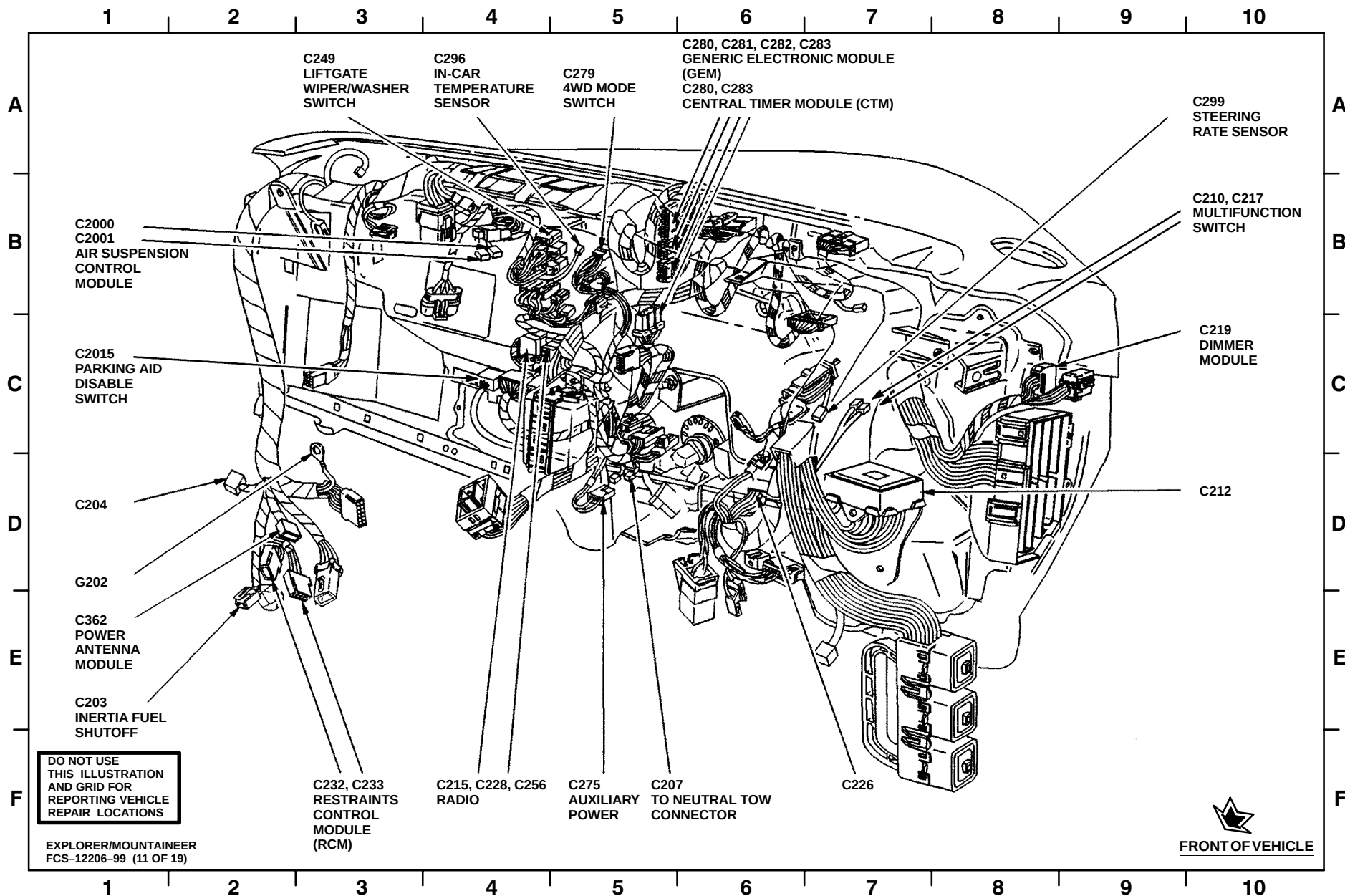
# COMPONENT LOCATION VIEWS 151-10

1999 EXPLORER/MOUNTAINEER



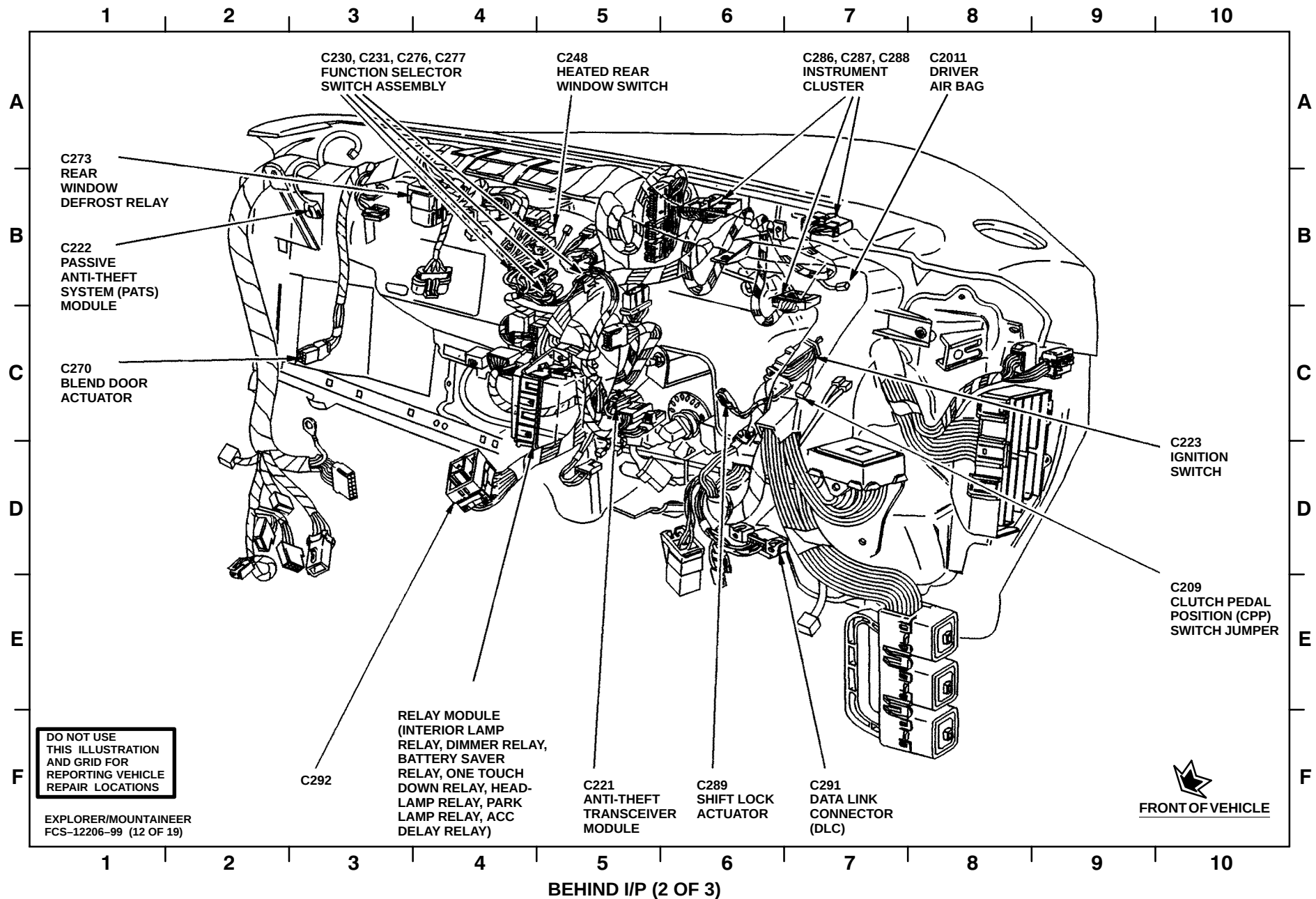
# 151-11 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



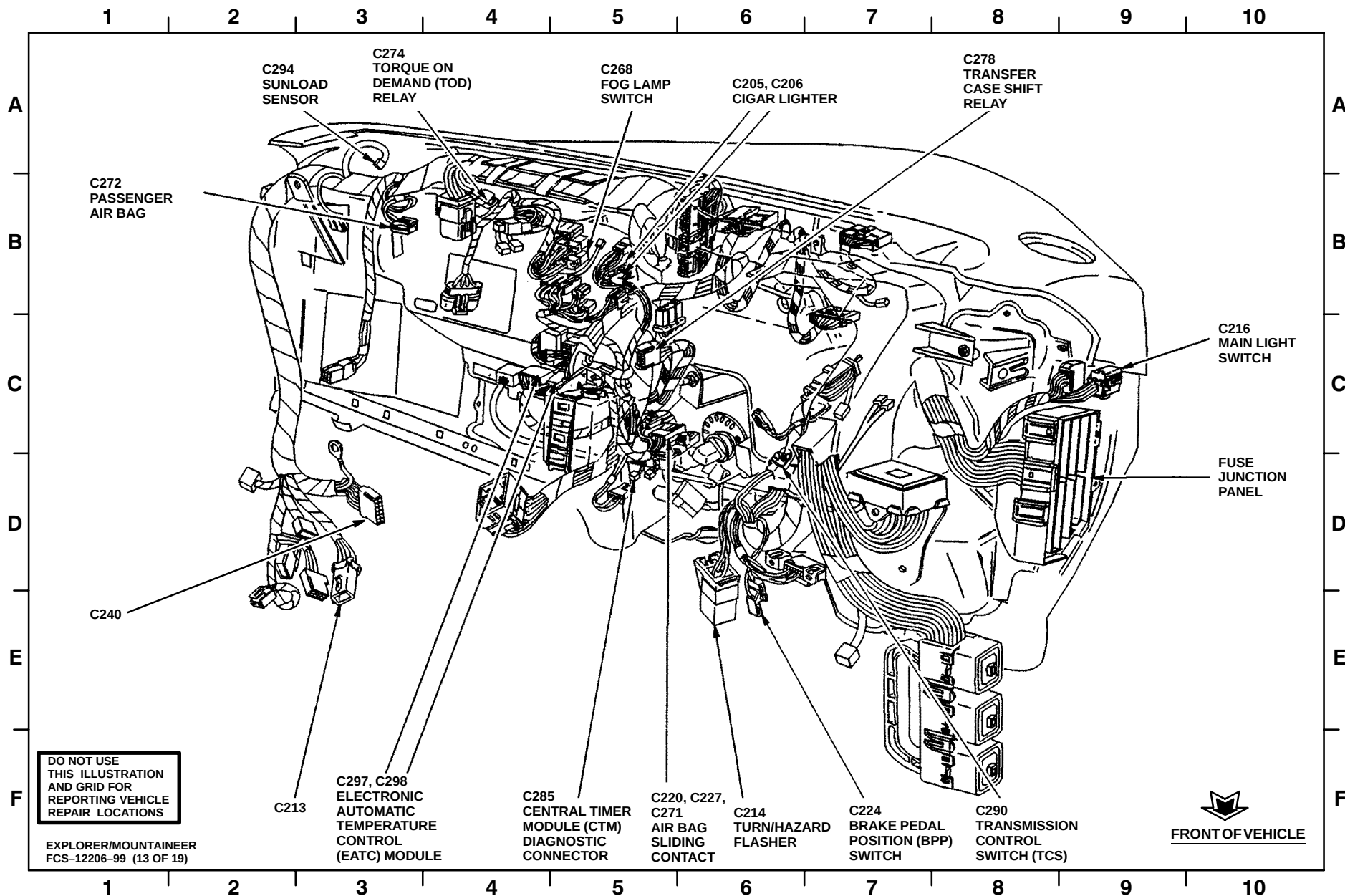
# COMPONENT LOCATION VIEWS 151-12

1999 EXPLORER/MOUNTAINEER



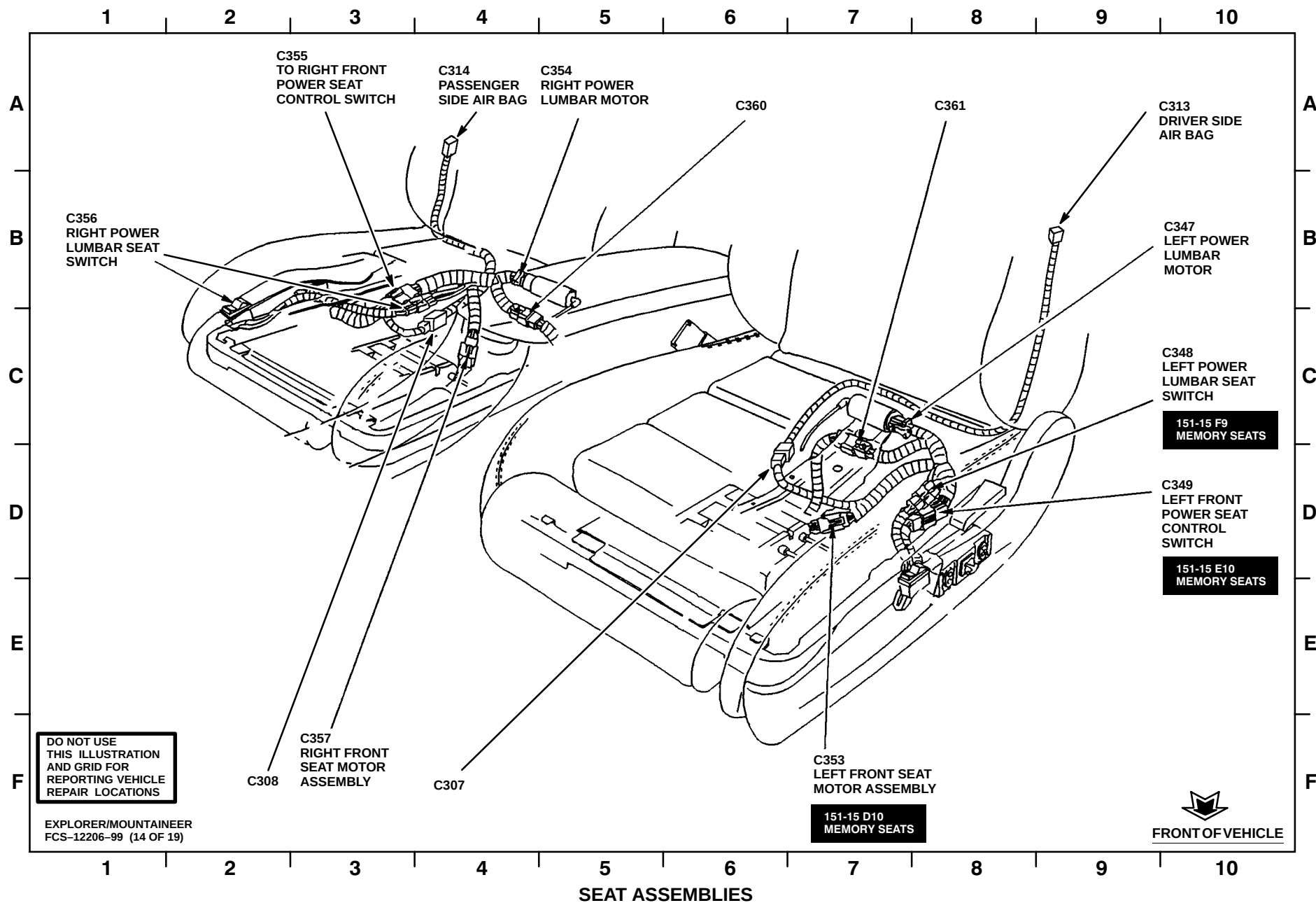
# 151-13 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



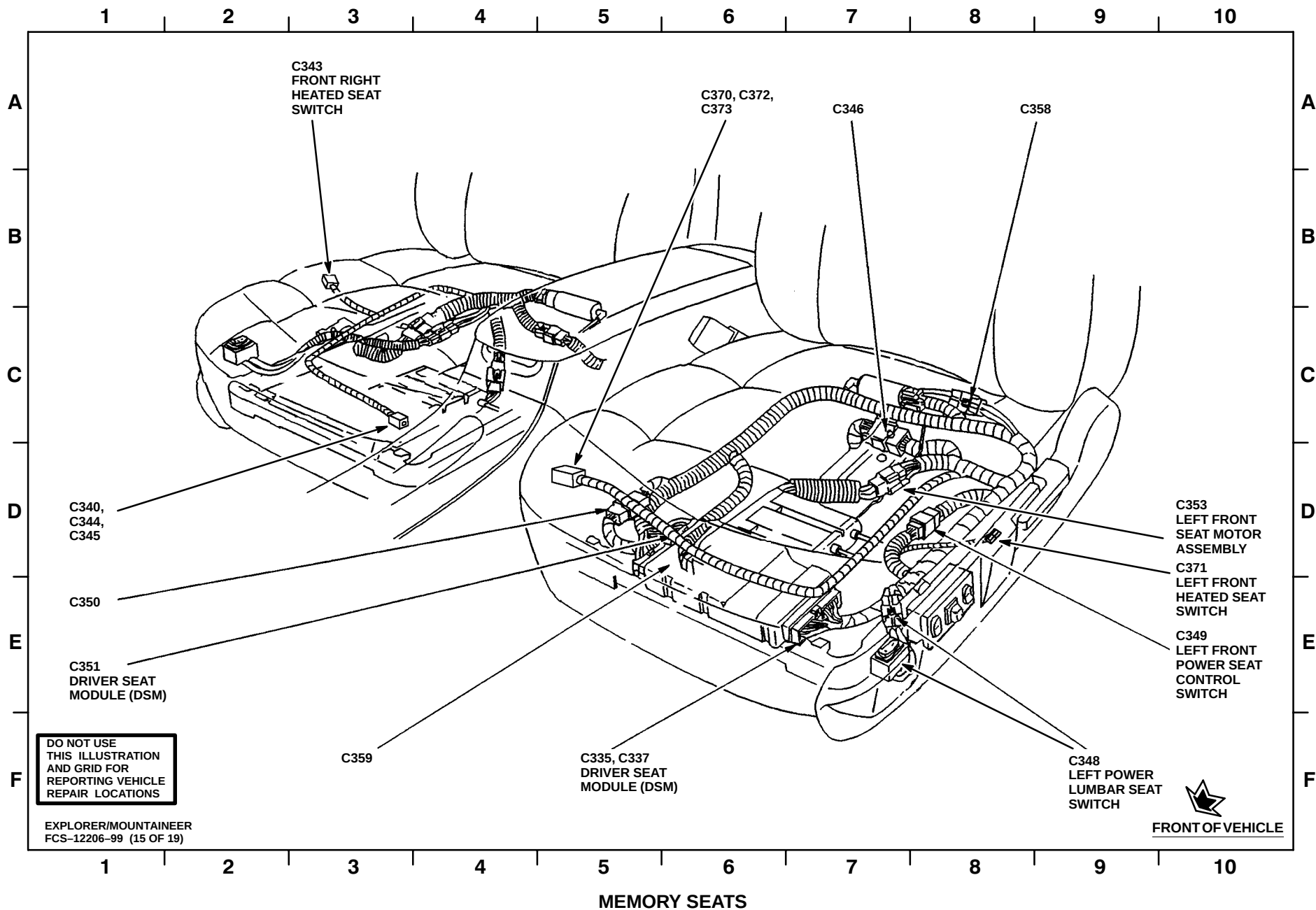
# COMPONENT LOCATION VIEWS 151-14

1999 EXPLORER/MOUNTAINEER



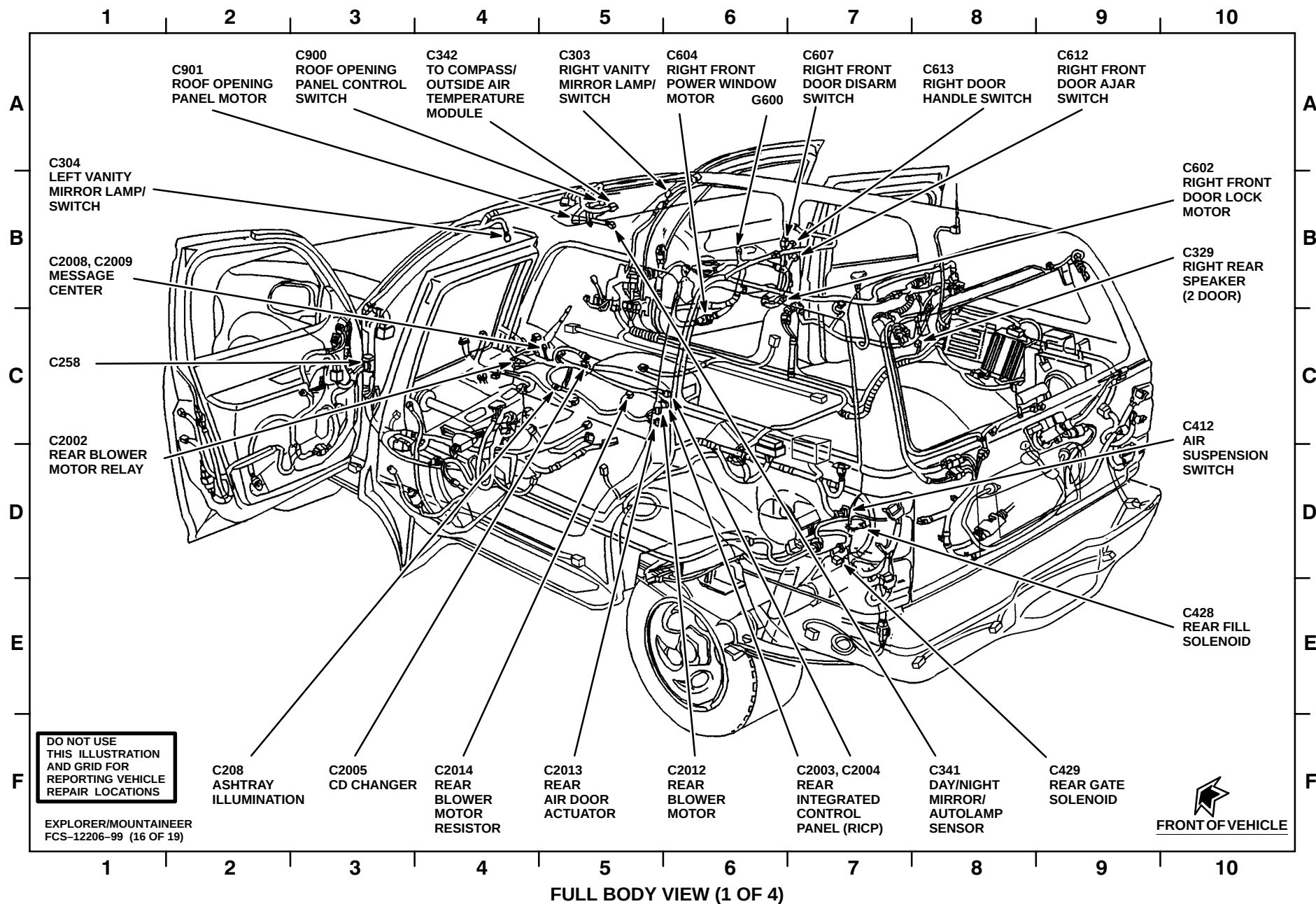
# 151-15 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



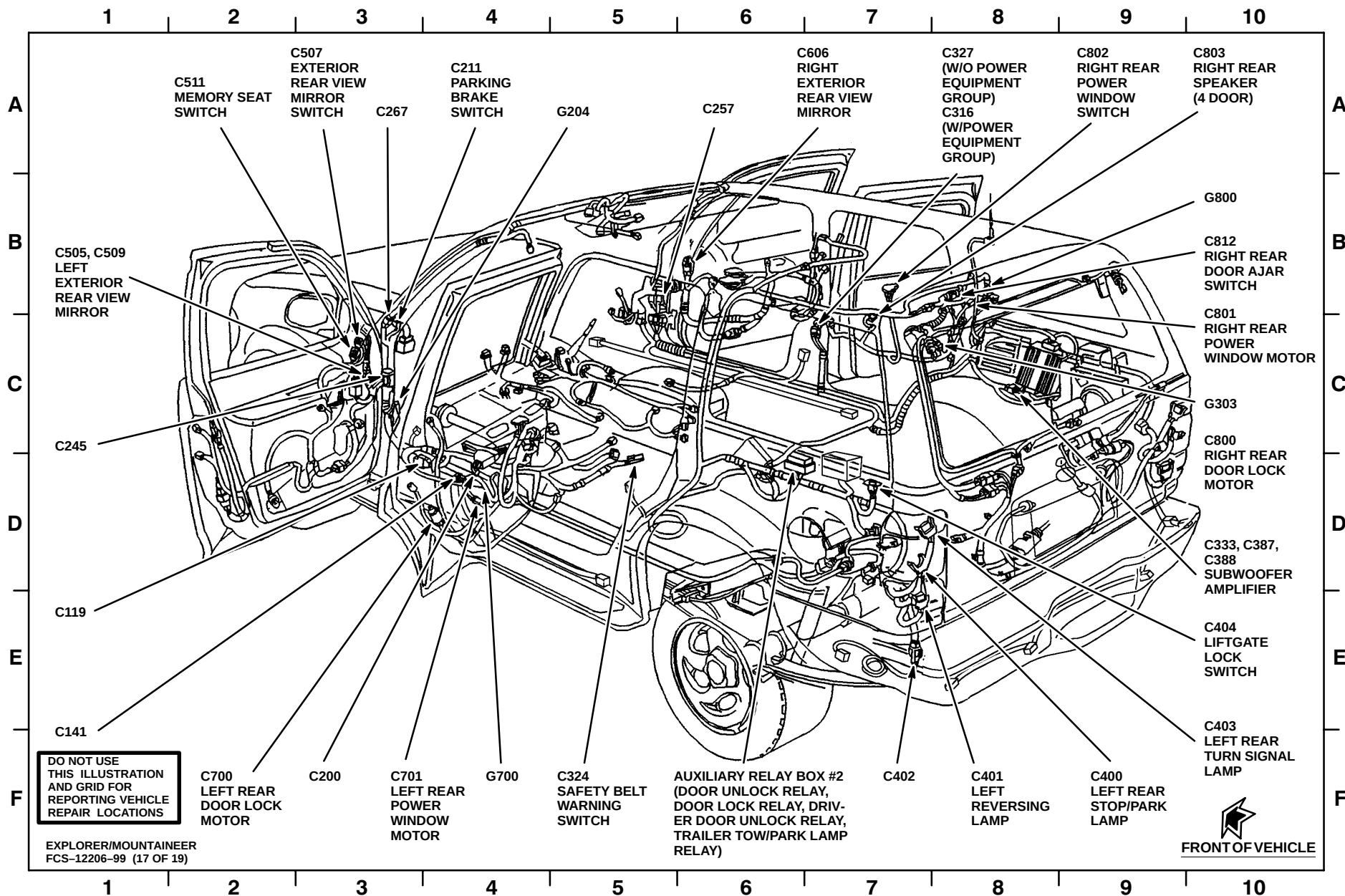
# COMPONENT LOCATION VIEWS 151-16

1999 EXPLORER/MOUNTAINEER



# 151-17 COMPONENT LOCATION VIEWS

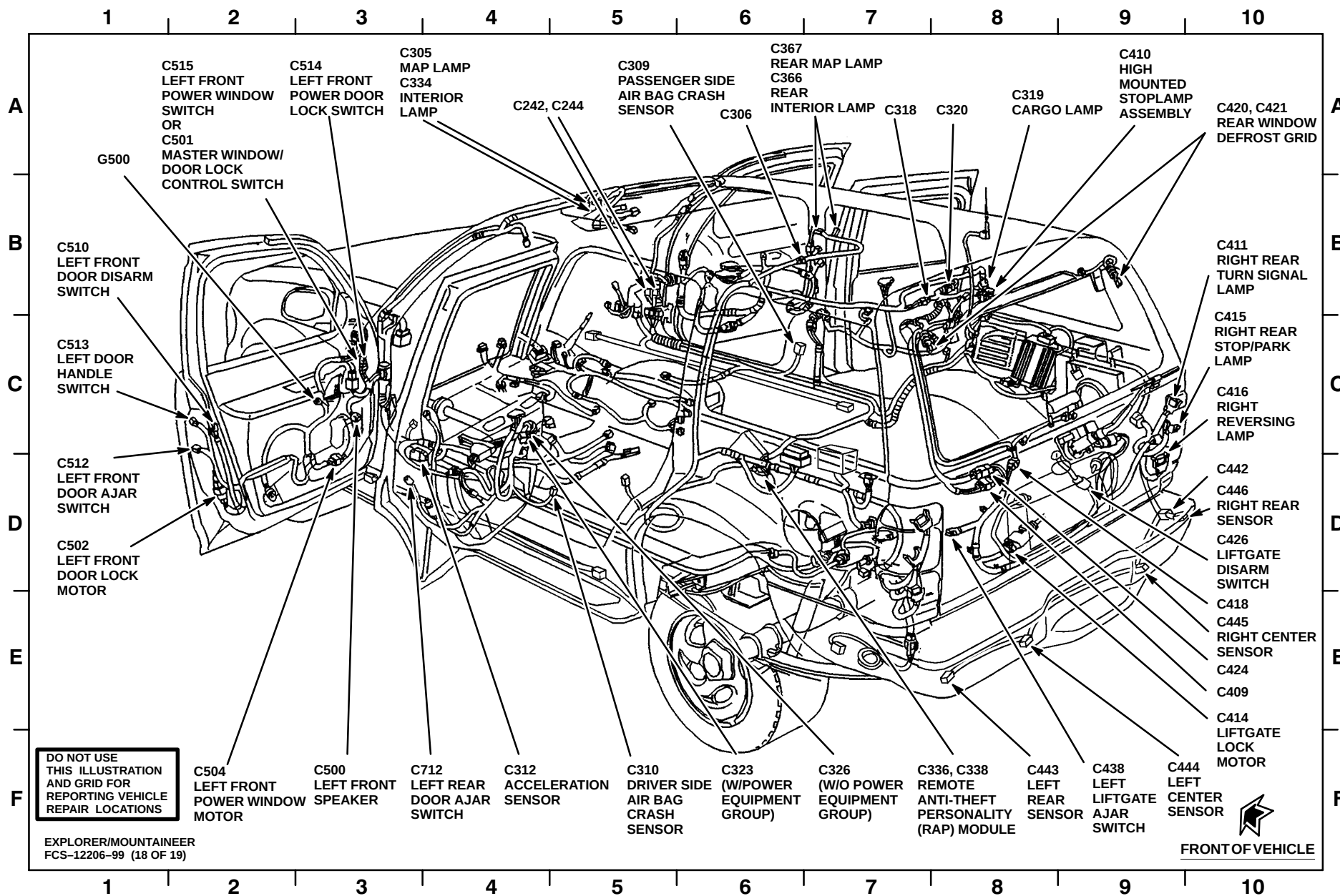
1999 EXPLORER/MOUNTAINEER



FULL BODY VIEW (2 OF 4)

# COMPONENT LOCATION VIEWS 151-18

1999 EXPLORER/MOUNTAINEER

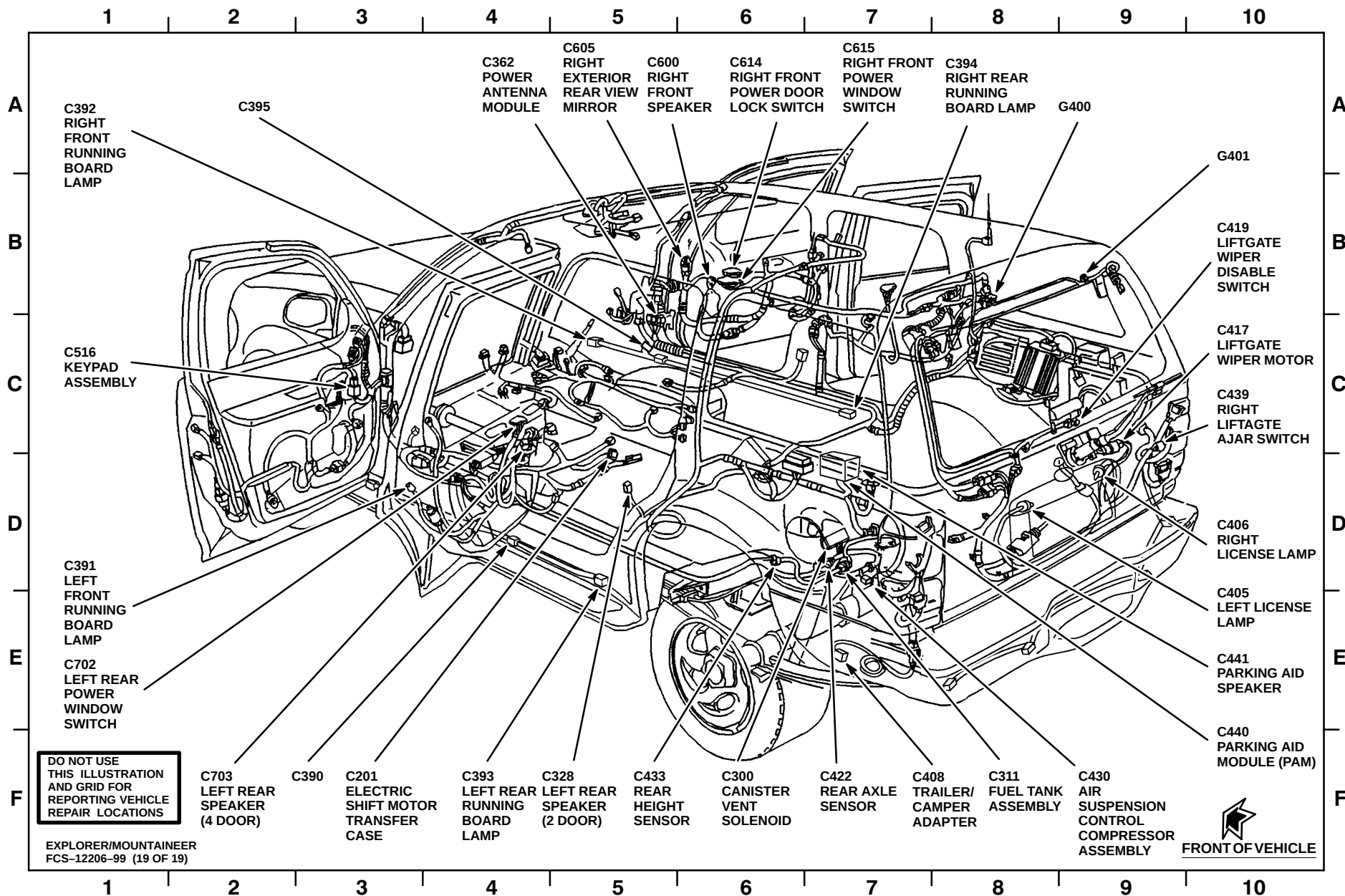


EXPLORER/MOUNTAINEER  
FCS-12206-99 (18 OF 19)

FULL BODY VIEW (3 OF 4)

# 151-19 COMPONENT LOCATION VIEWS

1999 EXPLORER/MOUNTAINEER



FULL BODY VIEW (4 OF 4)

## NOTES 151-20

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# 152-1 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                                          | <u>Base<br/>Part No.</u> | <u>Location</u>                                                                      | <u>Connector</u>             | <u>Page<br/>Zone</u>             | <u>Connector<br/>Page</u> |
|-----------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|------------------------------|----------------------------------|---------------------------|
| 4R70W Transmission .....                                  | 7000 .....               | Mounted on left side of transmission .....                                           | C180 .....                   | 151- 10- F7 .....                | 30-4                      |
| 4 Wheel Anti-Lock Brake System                            |                          |                                                                                      |                              |                                  |                           |
| (4WABS) Module .....                                      | 2C018 .....              | Left side of engine compartment .....                                                | C186 .....                   | 151- 2-B10 .....                 | 42-3                      |
| 4WD Mode Switch .....                                     | ★ .....                  | Center of I/P .....                                                                  | C279 .....                   | 151- 11- A5 .....                | ★                         |
| 5R55E Transmission .....                                  | 7000 .....               | Mounted on left side of transmission .....                                           | C177 .....                   | 151- 10- C3 .....                | 29-5                      |
| ABS EVAC and Fill Connector .....                         | ★ .....                  | Left side of engine compartment .....                                                | C140 .....                   | 151- 2- C9 .....                 | ★                         |
| Acceleration Sensor .....                                 | 14N089 .....             | Left frame rail under driver seat .....                                              | C312 .....                   | 151- 18- F5 .....                | ★                         |
| A/C Clutch Cycling Pressure                               |                          |                                                                                      |                              |                                  |                           |
| Switch .....                                              | 19D784 .....             | Right side of engine compartment<br>at A/C accumulator .....                         | C151 .....                   | 151- 1- A2 .....                 | ★                         |
| A/C Clutch Diode .....                                    | 14A604 .....             | LF side of engine compartment, near<br>A/C compressor clutch, taped in harness ..... | ★ .....                      | ★ .....                          | ★                         |
| A/C Compressor Clutch Solenoid .....                      | 19E561 .....             | LF side of engine compartment .....                                                  | C152 .....                   | 151- 3-E10 .....                 | ★                         |
| A/C Pressure Cutoff Switch .....                          | ★ .....                  | Near T/O C152 A/C compressor<br>clutch solenoid .....                                | C195 .....                   | 151- 3-D10 .....                 | ★                         |
| A/C Relay .....                                           | ★ .....                  | Mounted in battery junction box .....                                                | ★ .....                      | 151- 2- A9 .....                 | 11-3                      |
| Accessory Delay Relay .....                               | ★ .....                  | In relay module .....                                                                | ★ .....                      | 151- 12- F4 .....                | 13-26                     |
| Air Bag Sliding Contact (w/o Auxiliary<br>Controls) ..... | ★ .....                  | Behind left side of I/P near steering wheel .....                                    | C220, C227 ...<br>C271 ..... | 151- 13- F5<br>151- 13- F5 ..... | <br>31-3                  |
| Air Bag Sliding Contact (w/Auxiliary<br>Controls) .....   | ★ .....                  | Behind left side of I/P near steering wheel .....                                    | C220 .....                   | 151- 13- F5 .....                | 31-4                      |
| Air Suspension Control                                    |                          |                                                                                      |                              |                                  |                           |
| Compressor Assembly .....                                 | ★ .....                  | At rear of vehicle .....                                                             | C430 .....                   | 151- 19- F9 .....                | ★                         |
| Air Suspension Control Module .....                       | ★ .....                  | Left of center I/P .....                                                             | C2000, C2001 .....           | 151- 11- B1 .....                | ★                         |
| Air Suspension Control Relay .....                        | ★ .....                  | In auxiliary relay box #1 .....                                                      | ★ .....                      | 151- 4- C1 .....                 | ★                         |
| Air Suspension Switch .....                               | ★ .....                  | At left rear quarter panel .....                                                     | C412 .....                   | 151- 16-C10 .....                | ★                         |
| Ambient Air Temperature Sensor .....                      | 19E702 .....             | Left front of engine compartment .....                                               | C196 .....                   | 151- 4- F8 .....                 | ★                         |
| Anti-Theft Hood Switch .....                              | 19434 .....              | Left side of engine compartment .....                                                | C191 .....                   | 151- 3- C1 .....                 | ★                         |
| Anti-Theft Transceiver Module .....                       | ★ .....                  | Behind center of I/P .....                                                           | C221 .....                   | 151- 12- F5 .....                | ★                         |

★ Not Available

# LOCATION INDEX 152-2

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                                         | <u>Base<br/>Part No.</u> | <u>Location</u>                                           | <u>Connector</u>   | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|----------------------------------------------------------|--------------------------|-----------------------------------------------------------|--------------------|----------------------|---------------------------|
| Ashtray Illumination .....                               | 15052 .....              | Top side of ashtray bracket .....                         | C208 .....         | 151- 16- F2 .....    | ★                         |
| Audio/Climate Control Assembly .....                     | ★ .....                  | RH side of I/P .....                                      | ★ .....            | ★ .....              | ★                         |
| Auxiliary Power .....                                    | ★ .....                  | Behind right side of I/P .....                            | C275 .....         | 151- 11- F5 .....    | ★                         |
| Auxiliary Relay Box #1 .....                             | ★ .....                  | Left side of engine compartment .....                     | ★ .....            | 151- 2- D1 .....     | 13-26                     |
| Auxiliary Relay Box #2 .....                             | ★ .....                  | Left rear of vehicle, above wheelwell .....               | ★ .....            | 151- 17- F6 .....    | 13-26                     |
| Auxiliary Relay Box #2 .....                             | ★ .....                  | Left rear of vehicle, above wheelwell .....               | ★ .....            | 151- 17- F6 .....    | 13-27                     |
| Battery .....                                            | ★ .....                  | Left front of engine compartment .....                    | C1005, C1006 ..... | 151- 1-C10 .....     | ★                         |
| Battery Junction Box .....                               | 14A068 .....             | Left side of engine compartment, at<br>fender apron ..... | C126 .....         | 151- 2- A9 .....     | ★                         |
| Battery Saver Relay .....                                | ★ .....                  | In relay module .....                                     | ★ .....            | 151- 12- F4 .....    | 13-26                     |
| Blend Door Actuator .....                                | 19E616 .....             | Behind right side of I/P, top of A/C plenum .....         | C270 .....         | 151- 12- C1 .....    | 54-6                      |
| Blower Motor .....                                       | 14N089 .....             | Right side of engine compartment .....                    | C154 .....         | 151- 1- B1 .....     | ★                         |
| Blower Motor Relay .....                                 | ★ .....                  | In battery junction box .....                             | ★ .....            | 151- 9-A10 .....     | 13-26                     |
| Blower Motor Resistor .....                              | 19A706 .....             | Near blower motor .....                                   | C153 .....         | 151- 1- B1 .....     | ★                         |
| Blower Motor Speed Controller .....                      | ★ .....                  | Near blower motor .....                                   | C179 .....         | 151- 4- A1 .....     | ★                         |
| Brake Fluid Level Warning Switch .....                   | 2L140 .....              | Mounted on left side of master cylinder .....             | C143 .....         | 151- 1- A9 .....     | ★                         |
| Brake Pedal Position (BPP) Switch .....                  | 13480 .....              | Left side of vehicle, behind steering column .....        | C224 .....         | 151- 13- F7 .....    | ★                         |
| Brake Pressure Switch .....                              | ★ .....                  | Left rear corner of engine compartment .....              | C102 .....         | 151- 2- A8 .....     | ★                         |
| Brake Pressure Switch (5.0L) .....                       | ★ .....                  | Left rear corner of engine compartment .....              | C102 .....         | 151- 7- A8 .....     | ★                         |
| Camshaft Position (CMP) Sensor .....                     | ★ .....                  | Rear of engine .....                                      | C183 .....         | 151- 3- A5 .....     | ★                         |
| Camshaft Position (CMP) Sensor Shield .....              | ★ .....                  | Rear of engine, near C183 .....                           | ★ .....            | ★ .....              | ★                         |
| Canister Vent Solenoid .....                             | 9C915 .....              | Left front of engine compartment .....                    | C300 .....         | 151- 19- F6 .....    | ★                         |
| Cargo Lamp .....                                         | 13776 .....              | Rear center of vehicle, in roof panel .....               | C319 .....         | 151- 18- A8 .....    | ★                         |
| CD Changer .....                                         | 18C830 .....             | In instrument panel console .....                         | C2005 .....        | 151- 16- F3 .....    | 130-12                    |
| Central Timer Module (CTM) .....                         | ★ .....                  | Behind center of I/P .....                                | C280, C283 .....   | 151- 11- A6 .....    | 59-7                      |
| Central Timer Module (CTM)<br>Diagnostic Connector ..... | ★ .....                  | Center of I/P .....                                       | C285 .....         | 151- 13- F4 .....    | ★                         |
| Cigar Lighter .....                                      | 15054 .....              | Center of instrument panel .....                          | C205, C206 .....   | 151- 13- A6 .....    | ★                         |
| Clutch Pedal Position (CPP) Switch/<br>Jumper .....      | 14B155 .....             | Behind left side of I/P, taped to main harness .....      | C209 .....         | 151- 12-E10 .....    | 20-4                      |

★ Not Available

# 152-3 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                                 | <u>Base<br/>Part No.</u> | <u>Location</u>                               | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|--------------------------------------------------|--------------------------|-----------------------------------------------|------------------|----------------------|---------------------------|
| Compass/Outside Air Temperature                  |                          |                                               |                  |                      |                           |
| Module                                           | ★                        | Near rear view mirror                         | C902             | 151- 16- A4          | 102-2                     |
| Crankshaft Position (CKP) Sensor                 | 6C375                    | Centered in lower front of engine compartment | C162             | 151- 1- F4           | ★                         |
| Crankshaft Position (CKP) Sensor Shield          | ★                        | Lower front of engine compartment, near C162  | ★                | ★                    | ★                         |
| Data Link Connector (DLC)                        | ★                        | Behind left side of I/P                       | C291             | 151- 12- F7          | 14-2                      |
| Data Link Connector (DLC)                        | ★                        | Behind left side of I/P                       | C291             | 151- 12- F7          | 25-11                     |
| Day/Night Mirror/Autolamp Sensor                 | 13A018                   | Mounted in rear view mirror                   | C341             | 151- 16- F8          | 125-3                     |
| Daytime Running Lamps (DRL) Module               | 15A272                   | Left front corner of engine                   | C134             | 151- 1-E10           | 97-3                      |
| Differential Pressure Feedback EGR (DPFE) Sensor | ★                        | Rear of engine compartment                    | C189             | 151- 3- A8           | ★                         |
| Digital Transmission Range (DTR) Sensor          | 7F293                    | Left side of transmission selector level      | C112             | 151- 10- C3          | ★                         |
| Dimmer Module                                    | ★                        | Left side of steering column                  | C219             | 151- 11-C10          | 71-6                      |
| Dimmer Relay                                     | ★                        | In relay module                               | ★                | 151- 12- F4          | 13-26                     |
| Door Lock Relay                                  | ★                        | Auxiliary relay box #2                        | ★                | 151- 17- F6          | 13-26                     |
| Door Lock Relay                                  | ★                        | Auxiliary relay box #2                        | ★                | 151- 17- F6          | 13-27                     |
| Door Unlock Relay                                | ★                        | Auxiliary relay box #2                        | ★                | 151- 17- F6          | 13-26                     |
| Door Unlock Relay                                | ★                        | Auxiliary relay box #2                        | ★                | 151- 17- F6          | 13-27                     |
| Driver Air Bag                                   | 043B13                   | In center of steering wheel                   | C2011            | 151- 12- A8          | 46-3                      |
| Driver Door Unlock Relay                         | ★                        | Auxiliary relay box #2                        | ★                | 151- 17- F6          | 13-27                     |
| Driver Seat Module (DSM)                         | 14C708                   | Below left front seat                         | C335, C337,      | 151- 15- F5          | ★                         |
| Driver Seat Module (DSM)                         | 14C708                   | Below left front seat                         | C351             | 151- 15- E1          | ★                         |
| Driver Side Air Bag                              | ★                        | Left side of driver seat back                 | C313             | 151- 14-A10          | 46-4                      |
| Driver Side Air Bag Crash Sensor                 | ★                        | Left side on "B" pillar                       | C310             | 151- 18- F5          | 46-4                      |
| EGR Vacuum Regulator (EVR) Solenoid              | 9F483                    | Left side of engine                           | C184             | 151- 1- A8           | ★                         |
| EGR Valve Position (EVP) Sensor                  | 9G428                    | Top right front of engine                     | C110             | 151- 8- A3           | ★                         |
| Electric Shift Control Module                    | ★                        | Near C238 generic electronic module (GEM)     | C218             | ★                    | ★                         |
| Electric Shift Motor Transfer Case               | 7E440                    | Attached to transfer case                     | C201             | 151- 19- F3          | 34-4                      |

★ Not Available

Base

Page

Connector

# LOCATION INDEX 152-4

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                  | <u>Part No.</u> | <u>Location</u>                                        | <u>Connector</u> | <u>Zone</u> | <u>Page</u>               |
|-----------------------------------|-----------------|--------------------------------------------------------|------------------|-------------|---------------------------|
| Electronic Automatic Temperature  |                 |                                                        |                  |             |                           |
| Control (EATC) Module             | ★               | Center of I/P                                          | C297, C298       | 151- 13- F3 | 55–5                      |
| Engine Coolant Level Switch       | ★               | Right side of engine compartment                       | C197             | ★           | ★                         |
| Engine Coolant Temperature Sender | 10884           | Center of engine compartment, behind generator bracket | C163             | 151- 3- F3  | ★                         |
| Engine Coolant Temperature        |                 |                                                        |                  |             |                           |
| (ECT) Sensor                      | 12A648          | Mounted front of engine, left of throttle body         | C159             | 151- 2- F4  | ★                         |
| Engine Low Oil/Temperature Switch | ★               | Centered in lower front of engine compartment          | C174             | 151- 4- F5  | ★                         |
| Engine Oil Pressure Switch        | 6600            | On engine, next to power steering pump                 | C175             | 151- 2- F5  | ★                         |
| EVAP Canister Purge Valve         | ★               | Left front corner of engine compartment                | C117             | 151- 1- F7  | ★                         |
| Exterior Rear View Mirror Switch  | 17B676          | Left side of vehicle, on door trim panel apron         | C507             | 151- 17- A3 | 124–3                     |
| Fog Lamp Isolation Relay          | ★               | Auxiliary relay box #1                                 | ★                | 151- 2- D1  | 13–26                     |
| Fog Lamp Relay                    | ★               | Auxiliary relay box #1                                 | ★                | 151- 2- D1  | 13–26                     |
| Fog Lamp Switch                   | 15K218          | Center of I/P                                          | C268             | 151- 13- A5 | 86–2                      |
| Front Control Unit                | 18C852          | In I/P, above heater controls                          | C228, C256       | 151- 11- F4 | 130–15                    |
| Front Control Unit                | 18C852          | In I/P, above heater controls                          | C228             | 151- 11- F4 | 130–17                    |
| Front Control Unit                | 18C852          | In I/P, above heater controls                          | C215, C256       | 151- 11- F4 | 130–20                    |
| Front Washer Pump Relay           | ★               | Auxiliary relay box #1                                 | ★                | 151- 2- D1  | 13–26                     |
| Fuel Injector #1                  | 9F593           | At top of cylinder #1                                  | C164             | 151- 3- D1  | ★                         |
| Fuel Injector #2                  | 9F593           | At top of cylinder #2                                  | C167             | 151- 3- D1  | ★                         |
| Fuel Injector #3                  | 9F593           | At top of cylinder #3                                  | C168             | 151- 3- D1  | ★                         |
| Fuel Injector #4                  | 9F593           | At top of cylinder #4                                  | C161             | 151- 3- A7  | ★                         |
| Fuel Injector #5                  | 9F593           | At top of cylinder #5                                  | C160             | 151- 3- A7  | ★                         |
| Fuel Injector #6                  | 9F593           | At top of cylinder #6                                  | C158             | 151- 3- A7  | ★                         |
| Fuel Injector #7                  | 9F593           | At top of cylinder #7                                  | C107             | 151- 8- A8  | ★                         |
| Fuel Injector #8                  | 9F593           | At top of cylinder #8                                  | C108             | 151- 8- A8  | ★                         |
| Fuel Pump Relay                   | 14N089          | Mounted in battery junction box, at right fender apron | ★                | 151- 9-A10  | ★                         |
| Fuel Tank Assembly                | ★               | At tank in front of rear axle                          | C311             | 151- 19- F8 | 23–10,<br>24–11,<br>25–10 |

★ Not Available

# 152-5 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                            | <u>Base<br/>Part No.</u> | <u>Location</u>                                                     | <u>Connector</u>                | <u>Page<br/>Zone</u>  | <u>Connector<br/>Page</u> |
|---------------------------------------------|--------------------------|---------------------------------------------------------------------|---------------------------------|-----------------------|---------------------------|
| Function Selector Switch Assembly . . . . . | 18578 . . . . .          | Center of instrument panel, left of radio . . . . .                 | C230, C231,<br>C276, C277 . . . | 151- 12- A3 . . . . . | 54-4                      |
| Function Selector Switch Assembly . . . . . | 18578 . . . . .          | Center of instrument panel, left of radio . . . . .                 | C230, C231,<br>C276, C277 . . . | 151- 12- A3 . . . . . | 54-5                      |
| Fuse Junction Panel . . . . .               | 14517 . . . . .          | Left side of vehicle, below instrument panel . . .                  | ★ . . . . .                     | 151- 13-D10 . . . . . | ★                         |
| Generator . . . . .                         | 10300 . . . . .          | Right front of engine compartment . . . . .                         | C120, C121,<br>C122 . . . . .   | 151- 1- A4 . . . . .  | ★                         |
| Generic Electronic Module (GEM) . . . . .   | ★ . . . . .              | Behind center of I/P . . . . .                                      | C280, C283 . . .                | 151- 11- A6 . . . . . | 59-7                      |
| Generic Electronic Module (GEM) . . . . .   | ★ . . . . .              | Behind center of I/P . . . . .                                      | C281, C282 . . .                | 151- 11- A6 . . . . . | 59-8                      |
| Handset . . . . .                           | ★ . . . . .              | Near T/O C2012 rear blower motor . . . . .                          | C2006 . . . . .                 | ★ . . . . .           | 135-3                     |
| Headlamp Relay . . . . .                    | ★ . . . . .              | In relay module . . . . .                                           | ★ . . . . .                     | 151- 12- F4 . . . . . | 13-26                     |
| Heated Oxygen Sensor (HO2S) #1 . . . . .    | 9J433 . . . . .          | On exhaust pipe of engine . . . . .                                 | C169 . . . . .                  | 151- 2- A4 . . . . .  | ★                         |
| Heated Oxygen Sensor (HO2S) #2 . . . . .    | 9J433 . . . . .          | On exhaust pipe of engine . . . . .                                 | C182 . . . . .                  | 151- 6- A6 . . . . .  | ★                         |
| Heated Oxygen Sensor (HO2S) #3 . . . . .    | 9J433 . . . . .          | On exhaust pipe of engine . . . . .                                 | C181 . . . . .                  | 151- 10- B5 . . . . . | ★                         |
| Heated Oxygen Sensor (HO2S) #4 . . . . .    | 9J433 . . . . .          | On exhaust pipe of engine . . . . .                                 | C173 . . . . .                  | 151- 10- A3 . . . . . | ★                         |
| Heated Rear Window Switch . . . . .         | 18C621 . . . . .         | Center of instrument panel . . . . .                                | C248 . . . . .                  | 151- 12- A5 . . . . . | 56-2                      |
| High Mounted Stoplamp Assembly . . . . .    | 13A613 . . . . .         | Rear of vehicle, above liftgate . . . . .                           | C410 . . . . .                  | 151- 18- A9 . . . . . | ★                         |
| High Speed Blower Relay . . . . .           | ★ . . . . .              | Auxiliary relay box #1 . . . . .                                    | ★ . . . . .                     | 151- 2- D1 . . . . .  | 13-26                     |
| High Pitch Horn . . . . .                   | 13A803 . . . . .         | Left front of radiator support . . . . .                            | C135 . . . . .                  | 151- 2-E10 . . . . .  | ★                         |
| Horn Relay . . . . .                        | ★ . . . . .              | In battery junction . . . . .                                       | ★ . . . . .                     | 151- 9-A10 . . . . .  | ★                         |
| Idle Air Control (IAC) Valve . . . . .      | 19A089 . . . . .         | Mounted on left side of intake manifold . . . . .                   | C156 . . . . .                  | 151- 1- A7 . . . . .  | ★                         |
| Ignition Coil . . . . .                     | 12029 . . . . .          | Top left side of engine compartment,<br>above valve cover . . . . . | C165 . . . . .                  | 151- 3- A2 . . . . .  | ★                         |
| Ignition Coils 1 & 2 . . . . .              | ★ . . . . .              | Left front of engine . . . . .                                      | C104 . . . . .                  | 151- 8-C10 . . . . .  |                           |
| Ignition Coils 3 & 4 . . . . .              | ★ . . . . .              | Right front of engine . . . . .                                     | C105 . . . . .                  | 151- 8- F4 . . . . .  | ★                         |
| Ignition Switch . . . . .                   | 12A243 . . . . .         | Right side of steering column . . . . .                             | C223 . . . . .                  | 151- 12-D10 . . . . . | 149-2                     |
| In-Car Temperature Sensor . . . . .         | 196734 . . . . .         | Behind top center of I/P . . . . .                                  | C296 . . . . .                  | 151- 11- A4 . . . . . | ★                         |
| Inertia Fuel Shutoff . . . . .              | 9341 . . . . .           | In dash, below radio . . . . .                                      | C203 . . . . .                  | 151- 11- E1 . . . . . | ★                         |
| Instrument Cluster . . . . .                | ★ . . . . .              | Left side of instrument panel . . . . .                             | C286, C287 . . .                | 151- 12- A7 . . . . . | 62-7                      |
| Instrument Cluster . . . . .                | ★ . . . . .              | Left side of instrument panel . . . . .                             | C288 . . . . .                  | 151- 12- A7 . . . . . | 62-8                      |
| Interior Lamp . . . . .                     | ★ . . . . .              | Center of vehicle, in roof panel . . . . .                          | C334 . . . . .                  | 151- 18- A3 . . . . . | ★                         |

★ Not Available

# LOCATION INDEX 152-6

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                             | <u>Base<br/>Part No.</u> | <u>Location</u>                                     | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|----------------------------------------------|--------------------------|-----------------------------------------------------|------------------|----------------------|---------------------------|
| Interior Lamp Relay                          | ★                        | Mounted in relay module                             | ★                | 151- 12- F4          | ★                         |
| Keypad Assembly                              | ★                        | On outside of left front door, above<br>door handle | C516             | 151- 19- C1          | 117-5                     |
| Key Warning Switch                           | ★                        | On right side of steering column                    | ★                | ★                    | ★                         |
| Knock Sensor                                 | ★                        | Near intake manifold                                | C199             | 151- 5- A3           | ★                         |
| Left Center Sensor                           | ★                        | Left rear vehicle                                   | C444             | 151- 18- F9          | ★                         |
| Left Door Handle Switch                      | ★                        | Mounted in left door                                | C513             | 151- 18- C1          | ★                         |
| Left Exterior Rear View Mirror               | ★                        | Left side of vehicle, on door                       | C505, C509       | 151- 17- B1          | ★                         |
| Left Fog Lamp                                | 15A254                   | Front left of vehicle                               | C192             | 151- 1- F8           | ★                         |
| Left Front Crash Sensor                      | 14B004                   | Left front of engine compartment                    | C132             | 151- 2- F7           | ★                         |
| Left Front Door Ajar Switch                  | ★                        | Rear of left front door                             | C512             | 151- 18- D1          | ★                         |
| Left Front Door Disarm Switch                | 22050                    | Mounted near left door lock cylinder                | C510             | 151- 18- B1          | ★                         |
| Left Front Door Lock Motor                   | 14017                    | In left front door                                  | C502             | 151- 18- D1          | ★                         |
| Left Front Heated Seat Module                | ★                        | Under left seat                                     | C370             | ★                    | 119-3                     |
| Left Front Heated Seat Switch                | ★                        | Left side of left seat                              | C371             | 151- 15-E10          | 119-3                     |
| Left Front Park/Turn Lamp                    | 13035                    | Left front corner of vehicle                        | C138, C144       | 151- 1-E10           | ★                         |
| Left Front Power Door Lock Switch            | ★                        | On left front door trim panel                       | C514             | 151- 18- A3          | 110-7                     |
| Left Front Power Seat Control Switch         | 14A701                   | At left side of driver seat                         | C349             | 151- 14-D10          | 120-4                     |
| Left Front Power Window Motor                | 14631                    | In left front door                                  | C504             | 151- 18- F2          | ★                         |
| Left Front Power Window Switch               | ★                        | On left front door trim panel                       | C515             | 151- 18- A2          | 100-6                     |
| Left Front Running Board Lamp                | ★                        | Under left front door on running board              | C391             | 151- 19- D1          | ★                         |
| Left Front Seat Heater                       | ★                        | Under left front seat                               | C372             | ★                    | ★                         |
| Left Front Seat Heater/Temperature<br>Sensor | ★                        | Under left front seat                               | C373             | ★                    | ★                         |
| Left Front Seat Motor Assembly               | ★                        | Underneath left front seats                         | C353             | 151- 14- F7          | 120-3                     |
| Left Front Side Lamp                         | 15A425                   | Left front corner of vehicle                        | C137             | 151- 3-E10           | ★                         |
| Left Front Speaker                           | 18808                    | Left side of vehicle, in front door                 | C500             | 151- 18- F3          | ★                         |
| Left Front Wheel 4WABS Sensor                | 2C204                    | At left front wheel                                 | C188             | 151- 2- F8           | ★                         |
| Left Headlamp                                | 13006                    | Left front corner of vehicle                        | C136             | 151- 1- F9           | ★                         |
| Left Liftgate Ajar Switch                    | ★                        | On left side of liftgate                            | C438             | 151- 18- F9          | ★                         |
| Left License Lamp                            | 13550                    | Rear of vehicle, on left side of license            | C405             | 151- 19-E10          | ★                         |

★ Not Available

# 152-7 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>               | <u>Base<br/>Part No.</u> | <u>Location</u>                         | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|--------------------------------|--------------------------|-----------------------------------------|------------------|----------------------|---------------------------|
| Left Power Lumbar Motor        | ★                        | Under driver seat                       | C347             | 151- 14-B10          | ★                         |
| Left Power Lumbar Seat Switch  | ★                        | At left side of driver seat             | C348             | 151- 14-C10          | ★                         |
| Left Rear Door Ajar Switch     | ★                        | Rear of left rear door                  | C712             | 151- 18- F4          | ★                         |
| Left Rear Door Lock Motor      | 14018                    | In left rear door                       | C700             | 151- 17- F2          | ★                         |
| Left Rear Power Window Motor   | 14633                    | In left rear door                       | C701             | 151- 17- F3          | ★                         |
| Left Rear Power Window Switch  | 14541                    | On left rear door trim panel            | C702             | 151- 19- E1          | 100-7                     |
| Left Rear Running Board Lamp   | ★                        | Near left rear tire on running board    | C393             | 151- 19- F4          | ★                         |
| Left Rear Sensor               | ★                        | Left rear of vehicle                    | C443             | 151- 18-D10          | ★                         |
| Left Rear Speaker (2 Door)     | 18974                    | Left side of vehicle, inside panel      | C328             | 151- 19- F4          | ★                         |
| Left Rear Speaker (4 Door)     | 18971                    | Left side of vehicle, inside panel      | C703             | 151- 19- F2          | ★                         |
| Left Rear Stop/Park Lamp       | 13201                    | Left rear corner of vehicle             | C400             | 151- 17- F9          | ★                         |
| Left Rear Turn Signal Lamp     | ★                        | Left rear corner of vehicle             | C403             | 151- 17-E10          | ★                         |
| Left Reversing Lamp            | 13416                    | Left rear corner of vehicle             | C401             | 151- 17- F8          | ★                         |
| Left Vanity Mirror Lamp/Switch | 17C711                   | Left side of vehicle, in visor          | C304             | 151- 16- B1          | ★                         |
| Liftgate Disarm Switch         | 22050                    | Near liftgate lock cylinder             | C426             | 151- 18-D10          | ★                         |
| Liftgate Lock Motor            | 7843629                  | In liftgate                             | C414             | 151- 18-F10          | ★                         |
| Liftgate Lock Switch           | 15B691                   | In liftgate                             | C404             | 151- 17-E10          | 110-6                     |
| Liftgate Washer Pump           | 17A442                   | In liftgate washer reservoir            | C321             | ★                    | ★                         |
| Liftgate Wiper Disable Switch  | 19A328                   | In liftgate                             | C419             | 151- 19-B10          | ★                         |
| Liftgate Wiper Motor           | 17404                    | In liftgate                             | C417             | 151- 19-C10          | ★                         |
| Liftgate Wiper/Washer Switch   | 17A553                   | Center of instrument panel              | C249             | 151- 11- A3          | 82-4                      |
| Low Washer Fluid Level Switch  | ★                        | Near blower motor                       | C170             | 151- 4- B1           | ★                         |
| Main Light Switch              | 11654                    | Left side of instrument panel           | C216             | 151- 13-C10          | 149-1                     |
| Map Lamp                       | 15301                    | Center of vehicle, in roof panel        | C305             | 151- 18- A3          | ★                         |
| Mass Air Flow (MAF) Sensor     | 12A8529                  | Right rear corner of engine compartment | C111             | 151- 1- C1           | ★                         |
| Master Window/Door Lock        |                          |                                         |                  |                      |                           |
| Control Switch                 | 14529                    | Mounted in left door                    | C501             | 151- 18- A2          | 100-5                     |
| Master Window/Door Lock        |                          |                                         |                  |                      |                           |
| Control Switch                 | 14529                    | Mounted in left door                    | C501             | 151- 18- A2          | 110-4                     |
| Memory Seat Switch             | 14776                    | In left front door                      | C511             | 151- 17- A2          | ★                         |

★ Not Available

# LOCATION INDEX 152-8

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                                 | <u>Base<br/>Part No.</u> | <u>Location</u>                                                  | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|--------------------------------------------------|--------------------------|------------------------------------------------------------------|------------------|----------------------|---------------------------|
| Message Center .....                             | ★ .....                  | In instrument panel console .....                                | C2008, C2009 ..  | 151- 16- B1 .....    | 69-3                      |
| Message Center Switch Assembly .....             | ★ .....                  | Near C2008, C2009 message center .....                           | C2007 .....      | ★ .....              | ★                         |
| Multifunction Switch .....                       | 13K359 .....             | Left side of steering column .....                               | C210, C217 ...   | 151- 11-B10 .....    | 149-3                     |
| Neutral Tow Connector .....                      | ★ .....                  | Behind center of I/P .....                                       | C207 .....       | 151- 11- F5 .....    | ★                         |
| One Touch Down Relay .....                       | ★ .....                  | In relay module .....                                            | ★ .....          | 151- 12- F4 .....    | 13-26                     |
| Output Shaft Speed Sensor .....                  | 7H103 .....              | Left side of transmission .....                                  | C109 .....       | 151- 10- A4 .....    | 29-6                      |
| Outside Air Temperature Sensor .....             | 19E702 .....             | Left front of engine compartment, in<br>front of radiator .....  | C194 .....       | 151- 3- F8 .....     | ★                         |
| Park Lamp Relay .....                            | ★ .....                  | In relay module .....                                            | ★ .....          | 151- 12- F4 .....    | 13-26                     |
| Parking Aid Disable Switch .....                 | ★ .....                  | On I/P, right of steering column .....                           | C2015 .....      | 151- 11- C1 .....    | 131-2                     |
| Parking Aid Speaker .....                        | ★ .....                  | Behind spare tire, left rear side of vehicle .....               | C441 .....       | 151- 19-F10 .....    | ★                         |
| Parking Brake Switch .....                       | ★ .....                  | Right side of parking brake lever .....                          | C211 .....       | 151- 17- A4 .....    | ★                         |
| Parking Aid Module (PAM) .....                   | ★ .....                  | Behind spare tire .....                                          | C440 .....       | 151- 19-F10 .....    | 131-2                     |
| Parking Aid Speaker .....                        | ★ .....                  | Behind spare tire, left rear side of vehicle .....               | C441 .....       | 151- 19-E10 .....    | ★                         |
| Passive Anti-Theft System<br>(PATS) Module ..... | ★ .....                  | Behind top right side of I/P .....                               | C221 .....       | 151- 12- F5 .....    | ★                         |
| Passive Anti-Theft System<br>(PATS) Module ..... | ★ .....                  | Behind top right side of I/P .....                               | C222 .....       | 151- 12- B1 .....    | ★                         |
| Passenger Air Bag .....                          | 044A74 .....             | Behind right side of I/P .....                                   | C272 .....       | 151- 13- B1 .....    | 46-3                      |
| Passenger Side Air Bag .....                     | ★ .....                  | Right side of passenger seat back .....                          | C314 .....       | 151- 14- A4 .....    | 46-4                      |
| Passenger Side Air Bag Crash Sensor ..           | ★ .....                  | Right side on "B" pillar .....                                   | C309 .....       | 151- 18- A5 .....    | 46-4                      |
| PCM Power Relay .....                            | 14N089 .....             | Mounted in battery junction<br>box at right fender apron .....   | ★ .....          | 151- 9-A10           |                           |
| Power Antenna Module .....                       | ★ .....                  | Right front of vehicle on antenna mast .....                     | C362 .....       | 151- 19- A4 .....    | 130-10                    |
| Powertrain Control Module (PCM) .....            | 12A650 .....             | Mounted through cowl panel .....                                 | C202 .....       | 151- 3- A4 .....     | 25-8                      |
| Radio .....                                      | ★ .....                  | In I/P console .....                                             | C228 .....       | 151- 11- F4 .....    | 130-10                    |
| Radio .....                                      | ★ .....                  | In I/P console .....                                             | C256 .....       | 151- 11- F4 .....    | 130-13                    |
| Radio Noise Capacitor .....                      | 14A601 .....             | Right side of engine compartment, left of<br>ignition coil ..... | C166 .....       | 151- 1- A5 .....     | ★                         |

★ Not Available

# 152-9 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                           | <u>Base<br/>Part No.</u> | <u>Location</u>                             | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|--------------------------------------------|--------------------------|---------------------------------------------|------------------|----------------------|---------------------------|
| Rear Air Door Actuator .....               | ★ .....                  | In instrument panel console .....           | C2013 .....      | 151- 16- F5 .....    | 54-6                      |
| Rear Air Door Actuator .....               | ★ .....                  | In instrument panel console .....           | C2013 .....      | 151- 16- F5 .....    | 54-7                      |
| Rear Axle Sensor .....                     | 6C315 .....              | On axle assembly .....                      | C422 .....       | 151- 19- F7 .....    | ★                         |
| Rear Blower Motor .....                    | ★ .....                  | In instrument panel console .....           | C2012 .....      | 151- 16- F6 .....    | ★                         |
| Rear Blower Motor Relay .....              | ★ .....                  | Behind right side of I/P .....              | C2002 .....      | 151- 16- D1 .....    | 55-7                      |
| Rear Blower Motor Resistor .....           | ★ .....                  | In instrument panel console .....           | C2014 .....      | 151- 16- F4 .....    | ★                         |
| Rear Fill Solenoid .....                   | ★ .....                  | On rear axle .....                          | C428 .....       | 151- 16- E10 .....   | ★                         |
| Rear Gate Solenoid .....                   | ★ .....                  | Left rear corner of vehicle .....           | C429 .....       | 151- 16- F9 .....    | ★                         |
| Rear Height Sensor .....                   | ★ .....                  | Left rear corner of vehicle .....           | C433 .....       | 151- 19- F5 .....    | ★                         |
| Rear Integrated Control Panel (RICP) ..... | ★ .....                  | In instrument panel console .....           | C2004 .....      | 151- 16- F7 .....    | 54-6                      |
| Rear Integrated Control Panel (RICP) ..... | ★ .....                  | In instrument panel console .....           | C2003 .....      | 151- 16- F7 .....    | 130-19                    |
| Rear Interior Lamp .....                   | 15301 .....              | Rear center of vehicle, in roof panel ..... | C366 .....       | 151- 18- A6 .....    | ★                         |
| Rear Map Lamp .....                        | 15301 .....              | Rear center of vehicle, in roof panel ..... | C367 .....       | 151- 18- A6 .....    | ★                         |
| Rear Washer Control Relay .....            | ★ .....                  | Mounted in relay box .....                  | ★ .....          | 151- 4- C1 .....     | ★                         |
| Rear Window Defrost Grid .....             | 18C618 .....             | Attached to liftgate window .....           | C420, C421 ..... | 151- 18- A10 .....   | ★                         |
| Rear Window Defrost Relay .....            | ★ .....                  | Behind top right side of I/P .....          | C273 .....       | 151- 12- B1 .....    | ★                         |
| Rear Wiper Down Relay .....                | ★ .....                  | Battery junction box .....                  | ★ .....          | 151- 2- A9 .....     | 11-3                      |
| Rear Wiper Up Relay .....                  | ★ .....                  | Battery junction box .....                  | ★ .....          | 151- 2- A9 .....     | 11-3                      |
| Relay Module .....                         | ★ .....                  | Behind center of I/P .....                  | ★ .....          | 151- 12- F4 .....    | ★                         |
| Remote Anti-Theft Personality              |                          |                                             |                  |                      |                           |
| (RAP) Module .....                         | 15K602 .....             | At left rear quarter panel .....            | C336, C338 ..... | 151- 18- F8 .....    | 117-4                     |
| Restraint Control Module (RCM) .....       | 043B13 .....             | Behind right side of I/P .....              | C232 .....       | 151- 11- F3 .....    | 46-3                      |
| Restraint Control Module (RCM) .....       | 043B13 .....             | Behind right side of I/P .....              | C233 .....       | 151- 11- F3 .....    | 46-4                      |
| Reversing Lamp Switch (manual) .....       | 15520 .....              | Left side of transmission adapter .....     | C172 .....       | 151- 10- A8 .....    | ★                         |
| Right Center Sensor .....                  | ★ .....                  | Right rear of vehicle .....                 | C445 .....       | 151- 18- E10 .....   | ★                         |
| Right Door Handle Switch .....             | ★ .....                  | Mounted in right door .....                 | C613 .....       | 151- 16- A8 .....    | ★                         |
| Right Exterior Rear View Mirror .....      | 17682 .....              | Mounted on passenger door .....             | C605 .....       | 151- 19- A5 .....    | ★                         |
| Right Exterior Rear View Mirror .....      | 17682 .....              | Mounted on passenger door .....             | C606 .....       | 151- 17- A7 .....    | ★                         |
| Right Fog Lamp .....                       | 15A254 .....             | Front right corner of vehicle .....         | C193 .....       | 151- 1- F3 .....     | ★                         |
| Right Front Crash Sensor .....             | 14B004 .....             | Right front of engine compartment .....     | C133 .....       | 151- 2- F3 .....     | ★                         |
| Right Front Door Ajar Switch .....         | ★ .....                  | Rear of right front door .....              | C612 .....       | 151- 16- A9 .....    | ★                         |

★ Not Available

# LOCATION INDEX 152-10

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                                    | <u>Base<br/>Part No.</u> | <u>Location</u>                               | <u>Connector</u> | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|-----------------------------------------------------|--------------------------|-----------------------------------------------|------------------|----------------------|---------------------------|
| Right Front Door Disarm Switch .....                | 22050 .....              | Mounted near right door lock cylinder .....   | C607 .....       | 151- 16- A7 .....    | ★                         |
| Right Front Door Lock Motor .....                   | 14017 .....              | In right front door .....                     | C602 .....       | 151- 16-B10 .....    | ★                         |
| Right Front Heated Seat Module .....                | ★ .....                  | Under right front seat .....                  | C340 .....       | ★ .....              | 119-2                     |
| Right Front Heated Seat Switch .....                | ★ .....                  | Right side of right front seat .....          | C343 .....       | 151- 15- A3 .....    | 119-2                     |
| Right Front Park/Turn Lamp .....                    | 13008 .....              | Right front corner of vehicle .....           | C130, C142 ...   | 151- 1- E1 .....     | ★                         |
| Right Front Power Door Lock Switch ....             | ★ .....                  | On right front door trim panel .....          | C614 .....       | 151- 19- A7 .....    | 110-5                     |
| Right Front Power Seat Control Switch ..            | 14A701 .....             | At right side of front seat .....             | C355 .....       | 151- 14- A3 .....    | 120-4                     |
| Right Front Power Window Motor .....                | 14630 .....              | In right front door .....                     | C604 .....       | 151- 16- A6 .....    | ★                         |
| Right Front Power Window Switch .....               | ★ .....                  | On right front door trim panel .....          | C615 .....       | 151- 19- A7 .....    | 100-6                     |
| Right Front Running Board Lamp .....                | ★ .....                  | Under right front door on running board ..... | C392 .....       | 151- 19- A1 .....    | ★                         |
| Right Front Seat Heater .....                       | ★ .....                  | Under right front seat .....                  | C344 .....       | ★ .....              | ★                         |
| Right Front Seat Heater/Temperature<br>Sensor ..... | ★ .....                  | Under right front seat .....                  | C345 .....       | ★ .....              | ★                         |
| Right Front Seat Motor Assembly .....               | ★ .....                  | Under passenger seat .....                    | C357 .....       | 151- 14- F3 .....    | 120-3                     |
| Right Front Side Lamp .....                         | 15A424 .....             | Right front corner of vehicle .....           | C129 .....       | 151- 3- E1 .....     | ★                         |
| Right Front Speaker .....                           | 18808 .....              | Right side of vehicle, in front door .....    | C600 .....       | 151- 19- A5 .....    | ★                         |
| Right Front Wheel 4WABS Sensor .....                | 2C204 .....              | At right front wheel .....                    | C187 .....       | 151- 2- F2 .....     | ★                         |
| Right Headlamp .....                                | 13005 .....              | Right front corner of vehicle .....           | C131 .....       | 151- 1- F2 .....     | ★                         |
| Right License Lamp .....                            | 13550 .....              | Rear of vehicle, right side of license .....  | C406 .....       | 151- 19-D10 .....    | ★                         |
| Right Liftgate Ajar Switch .....                    | ★ .....                  | On right side of liftgate .....               | C439 .....       | 151- 19-C10 .....    | ★                         |
| Right Power Lumbar Motor .....                      | ★ .....                  | Under passenger seat .....                    | C354 .....       | 151- 14- A5 .....    | ★                         |
| Right Power Lumbar Seat Switch .....                | ★ .....                  | At right side of passenger seat .....         | C356 .....       | 151- 14- B1 .....    | ★                         |
| Right Rear Door Ajar Switch .....                   | ★ .....                  | Rear of right rear door .....                 | C812 .....       | 151- 17-B10 .....    | ★                         |
| Right Rear Door Lock Motor .....                    | 14017 .....              | In right rear door .....                      | C800 .....       | 151- 17-C10 .....    | ★                         |
| Right Rear Power Window Motor .....                 | 14632 .....              | In right rear door .....                      | C801 .....       | 151- 17-C10 .....    | ★                         |
| Right Rear Power Window Switch .....                | 14541 .....              | On right rear door trim panel .....           | C802 .....       | 151- 17- A9 .....    | 100-7                     |
| Right Rear Running Board Lamp .....                 | ★ .....                  | Near right rear tire on running board .....   | C394 .....       | 151- 19- A8 .....    | ★                         |
| Right Rear Sensor .....                             | ★ .....                  | Right rear of vehicle .....                   | C446 .....       | 151- 18-D10 .....    | ★                         |
| Right Rear Speaker (2 Door) .....                   | 18947 .....              | Right side of vehicle .....                   | C329 .....       | 151- 16-B10 .....    | ★                         |
| Right Rear Speaker (4 Door) .....                   | 18971 .....              | Right side of vehicle, in rear door .....     | C803 .....       | 151- 17-A10 .....    | ★                         |
| Right Rear Stop/Park Lamp .....                     | 13200 .....              | Right rear corner of vehicle .....            | C415 .....       | 151- 18-C10 .....    | ★                         |

★ Not Available

# 152-11 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Component</u>                  | <u>Base<br/>Part No.</u> | <u>Location</u>                                               | <u>Connector</u>    | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> |
|-----------------------------------|--------------------------|---------------------------------------------------------------|---------------------|----------------------|---------------------------|
| Right Rear Turn Signal Lamp       | ★                        | Right rear corner of vehicle                                  | C411                | 151- 18-B10          | ★                         |
| Right Reversing Lamp              | 13415                    | Right rear corner of vehicle                                  | C416                | 151- 18-C10          | ★                         |
| Right Vanity Mirror Lamp/Switch   | 17C710                   | Right side of vehicle, in visor                               | C303                | 151- 16- A5          | ★                         |
| Roof Opening Panel Control Switch | 15B691                   | In overhead console                                           | C900                | 151- 16- A3          | 101-2                     |
| Roof Opening Panel Motor          | 15790                    | Center rear of roof                                           | C901                | 151- 16- A2          | ★                         |
| Safety Belt Warning Switch        | 14B177                   | In driver safety belt buckle                                  | C324                | 151- 17- F5          | ★                         |
| Shift Lock Actuator               | 3E723                    | In steering column                                            | C289                | 151- 12- F6          | ★                         |
| Speed Control Servo               | 9A825                    | Right rear of engine compartment                              | C171                | 151- 2- A3           | 31-3                      |
| Starter Motor                     | 11000                    | Left front of engine compartment                              | C1007               | 151- 1- F5           | ★                         |
| Starter Motor Relay               | ★                        | Battery junction box                                          | ★                   | 151- 2- A9           | ★                         |
| Steering Rate Sensor              | ★                        | In steering column                                            | C299                | 151- 11-A10          | ★                         |
| Subwoofer Amplifier               | 18T806                   | Right rear of vehicle, attached to side wall                  | C333, C387,<br>C388 | 151- 17-D10          | 130-18                    |
| Sunload Sensor                    | 19C734                   | Top right side of I/P, above glove box                        | C294                | 151- 13- A2          | ★                         |
| Tachometer Data Link Connector    | ★                        | Right rear corner of engine compartment,<br>near blower motor | C106                | 151- 2-D10           | ★                         |
| Throttle Position (TP) Sensor     | 9E731                    | Attached to throttle body                                     | C157                | 151- 3- F6           | ★                         |
| Torque On Demand (TOD) Relay      | ★                        | Right side of I/P                                             | C274                | 151- 13- A3          | ★                         |
| Trailer/Camper Adapter            | ★                        | Below left side of rear bumper                                | C408                | 151- 19- F7          | ★                         |
| Trailer Tow Park Lamp Relay       | ★                        | Auxiliary relay box #2                                        | ★                   | 151- 17- F6          | ★                         |
| Transfer Case Shift Relay         | ★                        | Behind instrument panel                                       | C278                | 151- 13- A8          | ★                         |
| Transmission Control Switch (TCS) | ★                        | End of transmission selector lever                            | C290                | 151- 13- F8          | ★                         |
| Turn/Hazard Flasher               | ★                        | In steering column                                            | C214                | 151- 13- F6          | 90-4                      |
| Vehicle Speed Sensor (VSS)        | 9E731                    | Attached to transmission                                      | C178                | ★                    | ★                         |
| Washer Pump Motor                 | 17664                    | In washer reservoir                                           | C139                | 151- 2- A1           | ★                         |
| Wiper High/Low Relay              | ★                        | Battery junction box                                          | ★                   | 151- 9-A10           | ★                         |
| Wiper Motor                       | 17504                    | Left of center, at rear of engine<br>compartment              | C145                | 151- 2- A7           | 81-3                      |
| Wiper Run Relay                   | ★                        | Battery junction box                                          | ★                   | 151- 9-A10           | ★                         |
| WOT A/C Relay                     | 18C592                   | Mounted in battery junction<br>box, at right fender apron     | ★                   | 151- 9-A10           | ★                         |

★ Not Available

# LOCATION INDEX 152-12

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                                       | <u>Page</u><br><u>Zone</u> | <u>Connector</u><br><u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|-----------------------------------------------------------------------|----------------------------|---------------------------------|--------------|-----------------|
| C100             | Left side of engine compartment                                       | ★                          | ★                               | BK           | 4               |
| C102             | Left rear corner of engine compartment                                | 151- 2- A8                 | ★                               | BK           | 2               |
| C104             | Left front of engine                                                  | 151- 8- C10                | ★                               | ★            | 3               |
| C105             | Right front of engine                                                 | 151- 8- F4                 | ★                               | ★            | 3               |
| C106             | Left rear corner of engine compartment                                | 151- 2- D10                | ★                               | NA           | 2               |
| C107             | At top of cylinder head                                               | 151- 8- A8                 | ★                               | BK           | 2               |
| C108             | At top of cylinder head                                               | 151- 8- A8                 | ★                               | BK           | 2               |
| C109             | Left rear of transmission                                             | 151- 10- A4                | 29-6                            | BK           | 2               |
| C110             | Top right front of engine                                             | 151- 8- A3                 | ★                               | BK           | 4               |
| C111             | Right front corner of engine compartment                              | 151- 1- C1                 | ★                               | BK           | 6               |
| C112             | Left side of automatic transmission                                   | 151- 10- C3                | ★                               | ★            | ★               |
| C113             | Rear of engine compartment                                            | 151- 6- A5                 | 150-23                          | BK           | 16              |
| C114             | Attached to alternator (power stud)                                   | ★                          | ★                               | ★            | ★               |
| C115             | Left rear corner of engine compartment                                | 151- 2- A7                 | 150-1                           | GY           | 42              |
| C116             | Left rear corner of engine compartment                                | 151- 10- D3                | 150-2                           | ★            | 38              |
| C117             | Left front corner of engine compartment                               | 151- 1- F7                 | ★                               | BK           | 2               |
| C118             | Rear of engine compartment                                            | 151- 2- A5                 | 150-23                          | BK           | 16              |
| C119             | Left rear corner of engine compartment, forward of bulkhead connector | 151- 17- E1                | 150-3                           | BK           | 4               |
| C120             | Right front of engine compartment                                     | 151- 1- A4                 | ★                               | ★            | ★               |
| C121             | Right front of engine compartment                                     | 151- 1- A4                 | ★                               | BK           | 3               |
| C122             | Right front of engine compartment                                     | 151- 1- A4                 | ★                               | ★            | 1               |
| C125             | Behind battery, left rear of engine compartment                       | 151- 3- A9                 | 150-3                           | ★            | 12              |
| C126             | Right side of engine compartment, at fender apron                     | 151- 2- A9                 | ★                               | ★            | 1               |
| C129             | Right front corner of vehicle                                         | 151- 3- E1                 | ★                               | WH           | 2               |
| C130             | Right front corner of vehicle                                         | 151- 1- E1                 | ★                               | BK           | 3               |
| C131             | Right front corner of vehicle                                         | 151- 1- F2                 | ★                               | BK           | 3               |
| C132             | Left front corner of engine compartment                               | 151- 2- F7                 | ★                               | NA           | 4               |
| C133             | Right front corner of engine compartment                              | 151- 2- F3                 | ★                               | NA           | 4               |

★ Not Available

# 152-13 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                           | <u>Page</u><br><u>Zone</u> | <u>Connector</u><br><u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|-----------------------------------------------------------|----------------------------|---------------------------------|--------------|-----------------|
| C134             | Left front corner of engine compartment                   | 151- 1-F10                 | 97-3                            | BK           | 8               |
| C135             | Left front of radiator support                            | 151- 2-E10                 | ★                               | BK           | 1               |
| C136             | Left front corner of vehicle                              | 151- 1- F9                 | ★                               | BK           | 3               |
| C137             | Left front corner of vehicle                              | 151- 3-E10                 | ★                               | WH           | 2               |
| C138             | Left front corner of vehicle                              | 151- 1-E10                 | ★                               | BK           | 3               |
| C139             | Attached to washer reservoir                              | 151- 2- A1                 | ★                               | WH           | 2               |
| C140             | Near C186 4WABS control module                            | 151- 2- C9                 | 150-4                           | ★            | 12              |
| C141             | Left side of engine, forward of master cylinder           | 151- 17- F1                | 150-4                           | GY           | 16              |
| C142             | Right front corner of vehicle                             | 151- 1- E1                 | ★                               | ★            | 3               |
| C143             | Mounted on left side of master cylinder                   | 151- 1- A9                 | ★                               | GY           | 3               |
| C144             | Left front corner of vehicle                              | 151- 1-E10                 | ★                               | ★            | 3               |
| C145             | Left rear corner of engine compartment                    | 151- 2- A7                 | 81-3                            | GY           | 6               |
| C146             | Left rear corner of engine compartment                    | 151- 1-A10                 | 150-5                           | ★            | 40              |
| C147             | Left rear corner of engine compartment                    | 151- 3-C10                 | 150-6                           | ★            | 40              |
| C148             | Left rear corner of engine compartment                    | 151- 3-C10                 | 150-7                           | ★            | 40              |
| C151             | Right side of engine compartment, at A/C accumulator      | 151- 1- A2                 | ★                               | GY           | 2               |
| C152             | Left side of engine compartment, at top of A/C compressor | 151- 3-E10                 | ★                               | BK           | 2               |
| C153             | Near blower motor                                         | 151- 1- B1                 | ★                               | BK           | 4               |
| C154             | Right side of engine compartment                          | 151- 1- B1                 | ★                               | BK           | 2               |
| C156             | Mounted on left side of intake manifold                   | 151- 1- A7                 | ★                               | BK           | 2               |
| C157             | Attached to throttle body                                 | 151- 3- F6                 | ★                               | BK           | 3               |
| C158             | At top of cylinder head                                   | 151- 3- A7                 | ★                               | BK           | 2               |
| C159             | Mounted front of engine, left of throttle body            | 151- 2- F4                 | ★                               | BN           | 2               |
| C160             | At top of cylinder head                                   | 151- 3- A7                 | ★                               | BK           | 2               |
| C161             | At top of cylinder head                                   | 151- 3- A7                 | ★                               | BK           | 2               |
| C162             | Centered in lower front of engine compartment             | 151- 1- F4                 | ★                               | BK           | 2               |
| C163             | Center of engine compartment, behind generator bracket    | 151- 3- F3                 | ★                               | BK           | 1               |
| C164             | At top of cylinder head                                   | 151- 3- D1                 | ★                               | BK           | 2               |
| C165             | Center of engine compartment, above valve cover           | 151- 3- A2                 | ★                               | BK           | 4               |
| C166             | Right side of engine compartment, left of ignition coil   | 151- 1- A5                 | ★                               | BN           | 1               |

★ Not Available

# LOCATION INDEX 152-14

1999 EXPLORER/MOUNTAINEER

| Connector | Location                                                         | Page | Zone |     | Connector |       |          |
|-----------|------------------------------------------------------------------|------|------|-----|-----------|-------|----------|
|           |                                                                  |      |      |     | Page      | Color | Terminal |
| C167      | At top of cylinder head                                          | 151- | 3-   | D1  | ★         | BK    | 2        |
| C168      | At top of cylinder head                                          | 151- | 3-   | D1  | ★         | BK    | 2        |
| C169      | Right rear of engine, on exhaust pipe of engine                  | 151- | 2-   | A4  | ★         | ★     | ★        |
| C169      | Right rear of engine, on exhaust pipe of engine                  | 151- | 10-  | E7  | ★         | GY    | 4        |
| C170      | Near blower motor                                                | 151- | 4-   | B1  | ★         | ★     | 2        |
| C171      | Right rear of engine compartment                                 | 151- | 2-   | A3  | 31-3      | ★     | 10       |
| C172      | Left side of transmission adapter                                | 151- | 10-  | A8  | ★         | BK    | 2        |
| C173      | Mounted on right side of transmission, on exhaust pipe of engine | 151- | 10-  | A3  | ★         | GY    | 4        |
| C174      | Centered in lower front of engine compartment                    | 151- | 4-   | F5  | ★         | ★     | 3        |
| C175      | Left side of engine                                              | 151- | 2-   | F5  | ★         | BK    | 1        |
| C177      | Mounted on left side of transmission                             | 151- | 10-  | C2  | 29-5      | BK    | 16       |
| C178      | Center of vehicle, left side of transmission                     | ★    |      |     | ★         | WH    | 2        |
| C179      | Near blower motor                                                | 151- | 4-   | A1  | ★         | ★     | 5        |
| C180      | Mounted on right side of transmission                            | 151- | 10-  | F7  | 30-4      | BK    | 10       |
| C181      | Mounted in exhaust pipe                                          | 151- | 10-  | B5  | ★         | GY    | 4        |
| C182      | Left rear of engine, on exhaust pipe                             | 151- | 6-   | A6  | ★         | GN    | 4        |
| C183      | Rear of engine                                                   | 151- | 3-   | A5  | ★         | BK    | 4        |
| C184      | Left side of engine                                              | 151- | 1-   | A8  | ★         | BK    | 2        |
| C186      | Left side of engine compartment                                  | 151- | 2-   | B10 | 42-3      | BK    | 40       |
| C187      | Right radiator support column                                    | 151- | 2-   | F2  | ★         | BK    | 4        |
| C188      | Left radiator support column                                     | 151- | 2-   | F8  | ★         | BK    | 4        |
| C189      | Left side of engine                                              | 151- | 3-   | A8  | ★         | BK    | 2        |
| C191      | Right side of engine compartment, at fender                      | 151- | 3-   | C1  | ★         | BK    | 2        |
| C192      | Attached to left fog lamp, front left of vehicle                 | 151- | 1-   | F8  | ★         | BK    | 2        |
| C193      | Attached to right fog lamp, front right of vehicle               | 151- | 1-   | F3  | ★         | BK    | 2        |
| C194      | Left front of engine compartment, in front of radiator           | 151- | 3-   | F8  | ★         | BK    | 2        |
| C195      | Left side of engine compartment, at A/C discharge hose           | 151- | 3-   | D10 | ★         | BK    | 4        |
| C196      | Left front of engine compartment                                 | 151- | 4-   | F8  | ★         | BK    | 2        |
| C197      | Right side of engine compartment                                 | ★    |      |     | ★         | ★     | 8        |
| C199      | Near intake manifold                                             | 151- | 5-   | A3  | ★         | ★     | ★        |

★ Not Available

# 152-15 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                           | <u>Page</u><br><u>Zone</u> | <u>Connector</u><br><u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|-----------------------------------------------------------|----------------------------|---------------------------------|--------------|-----------------|
| C200             | Below center of instrument panel                          | 151- 17- F3                | 150-8                           | BK           | 14              |
| C201             | Mounted in front of transmission                          | 151- 19- F3                | 34-4                            | BK           | 16              |
| C202             | Attached to cowl panel                                    | 151- 3- A4                 | 25-8                            | GY           | 104             |
| C203             | In dash, below radio                                      | 151- 11- E1                | ★                               | GY           | 3               |
| C204             | Near G200                                                 | 151- 11- D1                | 150-8                           | ★            | 8               |
| C205             | Center of instrument panel                                | 151- 13- A6                | ★                               | ★            | 1               |
| C206             | Center of instrument panel                                | 151- 13- A6                | ★                               | ★            | 1               |
| C207             | Behind center of I/P                                      | 151- 11- F5                | ★                               | ★            | 1               |
| C208             | Top side of ashtray bracket                               | 151- 16- F2                | 20-4                            | ★            | 2               |
| C209             | On clutch pedal arm                                       | 151- 12-E10                | ★                               | BK           | 6               |
| C210             | Left side of steering column                              | 151- 11-B10                | 81-3                            | ★            | 7               |
| C211             | Right side of parking brake lever                         | 151- 17- A4                | ★                               | BK           | 1               |
| C212             | Left corner of instrument panel, near cowl panel grommet  | 151- 11-D10                | 150-9                           | ★            | 84              |
| C213             | Right corner of instrument panel, near cowl panel grommet | 151- 13- F2                | 150-11                          | BK           | 16              |
| C214             | In steering column, below instrument panel                | 151- 13- F6                | 90-4                            | ★            | 5               |
| C215             | In instrument panel console, above heater control         | 151- 11- F4                | ★                               | ★            | 8               |
| C216             | Left side of instrument panel                             | 151- 13-C10                | 13-18                           | ★            | 11              |
| C217             | Left side of steering column                              | 151- 11-B10                | 90-4                            | GY           | 10              |
| C218             | Near T/O center console                                   | ★                          | ★                               | ★            | ★               |
| C219             | Left side of steering column                              | 151- 11-C10                | 71-6                            | GY           | 6               |
| C220             | At center bar of steering wheel                           | 151- 13- F5                | 31-3                            | BK           | 6               |
| C221             | Behind center of I/P                                      | 151- 12- F5                | ★                               | ★            | 4               |
| C222             | Behind top right side of I/P                              | 151- 12- B1                | ★                               | ★            | 16              |
| C223             | Behind dash, right side of steering column                | 151- 12-D10                | 13-18                           | BK           | 11              |
| C224             | Left side of vehicle, below steering column               | 151- 13- F7                | ★                               | BK           | 2               |
| C225             | Next to subwoofer connector C333                          | ★                          | ★                               | ★            | ★               |
| C226             | Behind I/P, at base of steering column                    | 151- 11- F7                | 150-11                          | BK           | 14              |
| C227             | At center bar of steering wheel                           | 151- 13- F5                | ★                               | ★            | ★               |
| C228             | In instrument panel console, above heater controls        | 151- 11- F4                | 130-11                          | BK           | 8               |

★ Not Available

Page Connector

# LOCATION INDEX 152-16

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u>     | <u>Location</u>                                         | <u>Zone</u> | <u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|----------------------|---------------------------------------------------------|-------------|-------------|--------------|-----------------|
| C230                 | Center of instrument panel, left of radio               | 151- 12- A3 | 54-5        | GY           | 4               |
| C231                 | Center of instrument panel, left of radio               | 151- 12- A3 | 54-5        | WH           | 4               |
| C232                 | Behind right side of I/P                                | 151- 11- F3 | 46-3        | ★            | 26              |
| C233                 | Behind right side of I/P                                | 151- 11- F3 | 46-4        | ★            | 11              |
| C240                 | Behind right side of I/P                                | 151- 13- E1 | 150-12      | BK           | 14              |
| C242                 | Right side of vehicle, below instrument panel           | 151- 18- A5 | 150-12      | BK           | 10              |
| C244                 | In right front door jamb                                | 151- 18- A5 | 150-15      | BK           | 10              |
| C245                 | Left side of vehicle, attached to kick panel            | 151- 17- C1 | 150-13      | BK           | 56              |
| C248                 | Behind center of instrument panel, near headlamp switch | 151- 12- A5 | 56-2        | ★            | 6               |
| C249                 | Behind center of instrument panel, near headlamp switch | 151- 11- A3 | 82-3        | ★            | 6               |
| C256 (LUX)           | Center of instrument panel, attached to radio           | 151- 11- F4 | 130-13      | ★            | 16              |
| C256 (Premium Sound) | Center of instrument panel, attached to radio           | 151- 11- F4 | 130-11      | ★            | 16              |
| C257                 | Near right front door                                   | 151- 17- A6 | ★           | GY           | 4               |
| C258                 | In left front door                                      | 151- 16- C1 | 150-15      | ★            | 6               |
| C267                 | Left side of I/P, mounted in left "A" pillar            | 151- 17- A3 | 150-16      | BK           | 14              |
| C268                 | Behind center of I/P                                    | 151- 13- A5 | 86-2        | ★            | 6               |
| C270                 | Behind right side of I/P, top of A/C plenum             | 151- 12- C1 | 54-6        | BK           | 8               |
| C271                 | Base of steering column, near driver air bag            | 151- 13- F5 | ★           | BK           | 3               |
| C272                 | Behind right side of I/P, near passenger air bag        | 151- 13- B1 | 46-3        | BK           | 3               |
| C273                 | Behind top right side of I/P                            | 151- 12- B1 | 56-2        | ★            | 5               |
| C274                 | Behind right side of I/P                                | 151- 13- A3 | ★           | ★            | 4               |
| C275                 | Behind right side of I/P                                | 151- 11- F5 | ★           | ★            | 2               |
| C276                 | Behind center of I/P                                    | 151- 12- A3 | 54-5        | BK           | 2               |
| C277                 | Center of I/P                                           | 151- 12- A3 | 54-5        | ★            | 3               |
| C278                 | Near C283 generic electronic module (GEM)               | 151- 13- A8 | ★           | ★            | 10              |
| C279                 | Center of I/P                                           | 151- 11- A5 | ★           | GY           | 4               |
| C280                 | Behind center of I/P                                    | 151- 11- A6 | 59-7        | ★            | 26              |
| C281                 | Behind center of I/P                                    | 151- 11- A6 | 59-8        | ★            | 16              |
| C282                 | Behind center of I/P                                    | 151- 11- A6 | 59-8        | BK           | 8               |
| C283                 | Behind center of I/P                                    | 151- 11- A6 | 59-7        | ★            | 18              |
| C285                 | Behind center of I/P                                    | 151- 13- F4 | ★           | ★            | 1               |

★ Not Available

# 152-17 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u>               | <u>Location</u>                               | <u>Page</u><br><u>Zone</u> | <u>Connector</u><br><u>Page</u> | <u>Color</u> | <u>Terminal</u> |
|--------------------------------|-----------------------------------------------|----------------------------|---------------------------------|--------------|-----------------|
| C286                           | Left side of vehicle, above steering column   | 151- 12- A7                | 62-7                            | GY           | 16              |
| C287                           | Left side of vehicle, above steering column   | 151- 12- A7                | 62-7                            | ★            | 12              |
| C288                           | Left side of vehicle, above steering column   | 151- 12- A7                | 62-8                            | ★            | 10              |
| C289                           | In steering column                            | 151- 12- F6                | ★                               | BK           | 3               |
| C290                           | Bottom of steering column                     | 151- 13- F8                | ★                               | ★            | 2               |
| C291                           | Behind left side of I/P                       | 151- 12- F7                | 25-11                           | ★            | 16              |
| C292                           | Behind center of I/P                          | 151- 12- F3                | 150-17                          | ★            | 66              |
| C294                           | Behind top right side of I/P, above glove box | 151- 13- A2                | ★                               | ★            | 2               |
| C296                           | Top center of I/P                             | 151- 11- A4                | ★                               | BK           | 2               |
| C297                           | Behind center of I/P                          | 151- 13- F3                | 55-5                            | BK           | 13              |
| C298                           | Behind center of I/P                          | 151- 13- F3                | 55-5                            | WH           | 13              |
| C299                           | In steering column                            | 151- 11- A9                | ★                               | GY           | 4               |
| C300                           | Left front of engine compartment              | 151- 19- F6                | ★                               | BK           | 2               |
| C303                           | Right side of vehicle, in front door panel    | 151- 16- A5                | ★                               | ★            | 2               |
| C304                           | Left side, in visor                           | 151- 16- B1                | ★                               | ★            | 2               |
| C305                           | Center of vehicle, in roof panel              | 151- 18- A3                | ★                               | GY           | 1               |
| C306                           | Left side of I/P, mounted in left "A" pillar  | 151- 18- A6                | ★                               | ★            | 3               |
| C307                           | Under driver seat                             | 151- 14- F4                | 46-4                            | ★            | 2               |
| C308                           | Under passenger seat                          | 151- 14- F2                | 46-4                            | ★            | 2               |
| C309                           | Right frame rail, on "B" pillar               | 151- 18- A5                | 46-4                            | ★            | 2               |
| C310                           | Left frame rail, on "B" pillar                | 151- 18- F5                | 46-4                            | ★            | 2               |
| C311                           | Left side of fuel tank, in front of rear axle | 151- 19- F8                | 25-11                           | BK           | 8               |
| C312                           | Left frame rail, under driver seat            | 151- 18- F5                | ★                               | ★            | 3               |
| C313                           | Left side of driver seat back                 | 151- 14-A10                | 46-4                            | ★            | 3               |
| C314                           | Right side of passenger seat back             | 151- 14- A4                | 46-4                            | ★            | 3               |
| C315                           | Left side of driver seat back                 | ★                          | ★                               | ★            | ★               |
| C316 (w/Power Equipment Group) | Right side of vehicle, in rear door jamb      | 151- 17- A8                | 150-19                          | BK           | 10              |
| C317                           | Right side of passenger seat back             | ★                          | ★                               | ★            | ★               |
| C318                           | Left rear of vehicle, above roof panel        | 151- 18- A7                | 150-19                          | GY           | 8               |
| C319                           | Rear center of vehicle, in roof panel         | 151- 18- A8                | ★                               | GY           | 3               |
| C320                           | Left rear of vehicle, above roof panel        | 151- 18- A8                | ★                               | GY           | 3               |

★ Not Available

# LOCATION INDEX 152-18

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u>                 | <u>Location</u>                              | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> | <u>Color</u> | <u>Terminal</u> |
|----------------------------------|----------------------------------------------|----------------------|---------------------------|--------------|-----------------|
| C321                             | Left rear quarter panel                      | ★                    | ★                         | WH           | 2               |
| C323 (w/Power Equipment Group)   | Inside of left rear door jamb                | 151- 18- F6          | 150-20                    | BK           | 10              |
| C324                             | In driver safety belt buckle                 | 151- 17- F5          | ★                         | GY           | 2               |
| C326 (w/o Power Equipment Group) | Inside of left rear door jamb                | 151- 18- F7          | ★                         | GY           | 2               |
| C327 (w/o Power Equipment Group) | Right side of vehicle, in rear door jamb     | 151- 17- A8          | 150-18                    | BK           | 10              |
| C328                             | In left rear door                            | 151- 19- F4          | ★                         | GY           | 2               |
| C329 (2 Door)                    | In right rear                                | 151- 16-B10          | ★                         | GY           | 2               |
| C333                             | Right rear of vehicle, attached to side wall | 151- 17-D10          | ★                         | GY           | 2               |
| C334                             | Center of vehicle, in roof panel             | 151- 18- A4          | ★                         | GY           | 1               |
| C335                             | Under driver seat                            | 151- 15- F5          | ★                         | NA           | 21              |
| C336                             | At left rear quarter panel                   | 151- 18- F8          | 117-4                     | BK           | 26              |
| C337                             | Under driver seat                            | 151- 15- F5          | ★                         | ★            | ★               |
| C338                             | At left rear quarter panel                   | 151- 18- F8          | 117-4                     | BK           | 22              |
| C340                             | On right heated seat module                  | 151- 15- D1          | 119-2                     | ★            | 10              |
| C341                             | Mounted in exterior rear view mirror         | 151- 16- F8          | 125-3                     | BK           | 6               |
| C342                             | Near rear view mirror                        | 151- 16- A4          | ★                         | BK           | 10              |
| C343                             | On right heated seat switch                  | 151- 15- A3          | 119-2                     | ★            | 8               |
| C344                             | On right seat back heater                    | 151- 15- D1          | 119-2                     | ★            | 2               |
| C345                             | On right seat heater and temperature sensor  | 151- 15- D1          | 119-2                     | ★            | 4               |
| C346                             | Below left front seat assembly               | 151- 15- A7          | 150-20                    | ★            | 2               |
| C347                             | Under driver seat                            | 151- 14-B10          | ★                         | BK           | 2               |
| C348                             | Under driver seat                            | 151- 14-C10          | ★                         | GY           | 2               |
| C349                             | At left side of driver seat                  | 151- 14-D10          | 120-3                     | GN           | 8               |
| C350                             | Under driver seat                            | 151- 15- E1          | 123-4                     | GY           | 2               |
| C351                             | Under driver seat                            | 151- 15- E1          | 123-5                     | BK           | 16              |
| C353                             | Under driver seat                            | 151- 14- F7          | 120-4                     | BN           | 6               |
| C354                             | In right seat                                | 151- 14- A5          | ★                         | BK           | 2               |
| C355                             | Under passenger seat                         | 151- 14- A3          | 120-3                     | GN           | 8               |
| C356                             | Under passenger seat                         | 151- 14- B1          | ★                         | GY           | 2               |
| C357                             | Under passenger seat                         | 151- 14- F3          | 120-4                     | BN           | 6               |

★ Not Available

# 152-19 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                  | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|--------------------------------------------------|----------------------|---------------------------|--------------|-----------------|
| C358             | Under driver seat                                | 151- 15- A8          | ★                         | GY           | 2               |
| C359             | In left seat                                     | 151- 15- F3          | 123-6                     | ★            | 8               |
| C360             | Below right front seat assembly                  | 151- 14- A6          | ★                         | WH           | 4               |
| C361             | Below left front seat assembly                   | 151- 14- A8          | ★                         | WH           | 4               |
| C362             | Right front of vehicle on bottom of antenna mast | 151- 19- A4          | 130-10                    | ★            | 4               |
| C366             | Rear center of vehicle, in roof panel            | 151- 18- A6          | ★                         | GY           | 2               |
| C367             | Rear center of vehicle, in roof panel            | 151- 18- A6          | ★                         | GY           | 2               |
| C370             | On left heated seat module                       | 151- 15- A6          | 119-2                     | ★            | 10              |
| C371             | On left heated seat switch                       | 151- 15-E10          | 119-2                     | ★            | 8               |
| C372             | On left seat back heater                         | 151- 15- A6          | 119-2                     | ★            | 2               |
| C373             | On left seat heater and temperature sensor       | 151- 15- A6          | 119-2                     | ★            | 4               |
| C387             | Rear of vehicle, attached to side wall           | 151- 17-D10          | 130-16                    | ★            | 6               |
| C388             | Rear of vehicle, attached to side wall           | 151- 17-D10          | 130-16                    | ★            | 10              |
| C390             | On left side frame rail                          | 151- 19- F3          | ★                         | BK           | 2               |
| C391             | On left running board lamp                       | 151- 19- E1          | ★                         | ★            | ★               |
| C392             | On right front running board lamp                | 151- 19- A1          | ★                         | ★            | ★               |
| C393             | On left front running board lamp                 | 151- 19- F4          | ★                         | ★            | ★               |
| C394             | On right running board lamp                      | 151- 19- A8          | ★                         | ★            | ★               |
| C395             | On right side frame rail                         | 151- 19- A2          | ★                         | ★            | ★               |
| C400             | Left rear corner of vehicle                      | 151- 17- F9          | ★                         | BK           | 3               |
| C401             | Left rear corner of vehicle                      | 151- 17- F8          | ★                         | GY           | 3               |
| C402             | Left rear corner of vehicle, in rear bumper      | 151- 17- F7          | 150-21                    | BK           | 8               |
| C403             | Left rear corner of vehicle                      | 151- 17-E10          | ★                         | GY           | 3               |
| C404             | In liftgate                                      | 151- 17-E10          | 110-6                     | GY           | 5               |
| C405             | Rear of vehicle, left side of license            | 151- 19-E10          | ★                         | BK           | 2               |
| C406             | Rear of vehicle, right side of license           | 151- 19-D10          | ★                         | BK           | 2               |
| C408             | Rear center of vehicle, in rear bumper           | 151- 19- F7          | ★                         | BK           | 4               |
| C409             | Left side of liftgate, below window              | 151- 18-F10          | ★                         | BK           | 4               |
| C410             | Rear of vehicle, attached to liftgate            | 151- 18- A9          | ★                         | GY           | 2               |
| C411             | Right rear corner of vehicle                     | 151- 18-B10          | ★                         | GY           | 3               |

★ Not Available

# LOCATION INDEX 152-20

1999 EXPLORER/MOUNTAINEER

| Connector | Location                                 | Page<br>Zone | Connector |       |          |
|-----------|------------------------------------------|--------------|-----------|-------|----------|
|           |                                          |              | Page      | Color | Terminal |
| C412      | At left rear quarter panel               | 151- 16-D10  | ★         | ★     | 3        |
| C414      | In liftgate                              | 151- 18-F10  | ★         | GY    | 2        |
| C415      | Right rear corner of vehicle             | 151- 18-C10  | ★         | BK    | 3        |
| C416      | Right rear corner of vehicle             | 151- 18-C10  | ★         | GY    | 3        |
| C417      | Right side of liftgate                   | 151- 19-C10  | ★         | GY    | 4        |
| C418      | Right rear of vehicle, in liftgate       | 151- 18-D10  | ★         | BK    | 4        |
| C419      | In liftgate                              | 151- 19-B10  | ★         | ★     | 2        |
| C420      | Right side, adhered to rear window glass | 151- 18-A10  | ★         | ★     | 1        |
| C421      | Left side, adhered to rear window glass  | 151- 18-A10  | ★         | GY    | 1        |
| C422      | Rear of vehicle, mounted on rear axle    | 151- 19- F7  | ★         | BK    | 2        |
| C424      | In liftgate, left side of wiper          | 151- 18-E10  | 150-22    | GY    | 8        |
| C426      | Near liftgate lock cylinder              | 151- 18-D10  | ★         | NA    | 2        |
| C428      | On rear axle                             | 151- 16-E10  | ★         | BK    | 2        |
| C429      | Left rear corner of vehicle              | 151- 16- F9  | ★         | BK    | 2        |
| C430      | At rear of vehicle                       | 151- 19- F9  | ★         | ★     | 4        |
| C433      | Left rear corner of vehicle              | 151- 19- F5  | ★         | ★     | ★        |
| C438      | Left side of liftgate                    | 151- 18- F9  | ★         | ★     | ★        |
| C439      | Right side of liftgate                   | 151- 19-C10  | ★         | ★     | ★        |
| C440      | On parking aid module (PAM)              | 151- 19-F10  | 131-2     | ★     | 26       |
| C441      | On parking aid speaker                   | 151- 19-E10  | ★         | ★     | ★        |
| C442      | Right rear of vehicle, near C443         | 151- 18-D10  | 150-22    | BK    | 8        |
| C443      | Right rear sensor                        | 151- 18-D10  | 131-2     | ★     | 3        |
| C444      | Right center sensor                      | 151- 18- F9  | ★         | ★     | 3        |
| C445      | Left center sensor                       | 151- 18-E10  | ★         | ★     | 3        |
| C446      | Left rear sensor                         | 151- 18- F8  | 131-2     | ★     | 3        |
| C500      | Left side of vehicle, in front door      | 151- 18- F3  | ★         | GY    | 2        |
| C501      | On left front door trim panel            | 151- 18- A2  | 100-5     | ★     | 20       |
| C502      | On left front door trim panel            | 151- 18- D1  | ★         | BK    | 2        |
| C504      | In left front door                       | 151- 18- F2  | ★         | GY    | 2        |
| C505      | Left side of vehicle, on door            | 151- 17- B1  | ★         | ★     | 4        |

★ Not Available

# 152-21 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                      | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|------------------------------------------------------|----------------------|---------------------------|--------------|-----------------|
| C506             | In left front door                                   | ★                    | ★                         | ★            | ★               |
| C507             | Left side of vehicle, on door trim panel             | 151- 17- A3          | 124-3                     | GY           | 8               |
| C509             | In left front door at exterior rear view mirror      | 151- 17- B1          | 124-4                     | ★            | 8               |
| C510             | In right front door at disarm switch                 | 151- 18- B1          | ★                         | NA           | 2               |
| C511             | In left front door                                   | 151- 17- A2          | 123-7                     | BK           | 10              |
| C512             | Rear of left front door                              | 151- 18- D1          | ★                         | ★            | 1               |
| C513             | In top of left front door, on door handle switch     | 151- 18- C1          | ★                         | ★            | 1               |
| C514             | On left front door trim panel                        | 151- 18- A3          | 110-5                     | BK           | 7               |
| C515             | On left front door trim panel                        | 151- 18- A2          | 100-6                     | ★            | 14              |
| C516             | Center rear of left front door                       | 151- 19- C1          | 117-5                     | GN           | 8               |
| C600             | In right front door                                  | 151- 19- A5          | ★                         | GY           | 2               |
| C601             | In right front door                                  | ★                    | ★                         | ★            | ★               |
| C602             | On right front door trim panel                       | 151- 16-B10          | ★                         | BK           | 3               |
| C604             | In right front door                                  | 151- 16- A6          | ★                         | GY           | 2               |
| C605             | Right side of vehicle, on door                       | 151- 19- A5          | ★                         | ★            | 4               |
| C606             | In right front door at exterior rear view mirror     | 151- 17- A7          | 124-4                     | ★            | 8               |
| C607             | In right front door at disarm switch                 | 151- 16- A7          | ★                         | NA           | 4               |
| C612             | Rear of right front door                             | 151- 16- A9          | ★                         | NA           | 4               |
| C613             | In top of right front door, on door handle switch    | 151- 16- A8          | ★                         | ★            | 1               |
| C614             | On right front door trim panel                       | 151- 19- A7          | 110-5                     | BK           | 7               |
| C615             | On right front door trim panel                       | 151- 19- A7          | 100-6                     | BK           | 7               |
| C700             | On left rear door trim panel                         | 151- 17- F2          | ★                         | GY           | 2               |
| C701             | In left rear door                                    | 151- 17- F3          | ★                         | BK           | 2               |
| C702             | On left rear door trim panel                         | 151- 19- E1          | 100-7                     | BK           | 7               |
| C703             | In left rear door                                    | 151- 19- F2          | ★                         | GY           | 2               |
| C704             | In left front door                                   | ★                    | ★                         | ★            | ★               |
| C712             | Rear of left rear door                               | 151- 18- F4          | ★                         | ★            | 1               |
| C800             | Right side of vehicle, in right rear door trim panel | 151- 17-C10          | ★                         | GY           | 2               |
| C801             | In right rear door                                   | 151- 17-C10          | ★                         | BK           | 2               |
| C802             | On right rear door trim panel                        | 151- 17- A9          | 100-7                     | BK           | 7               |

★ Not Available

# LOCATION INDEX 152-22

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u> | <u>Location</u>                                            | <u>Page<br/>Zone</u> | <u>Connector<br/>Page</u> | <u>Color</u> | <u>Terminal</u> |
|------------------|------------------------------------------------------------|----------------------|---------------------------|--------------|-----------------|
| C803             | In right rear door                                         | 151- 17-A10          | ★                         | GY           | 2               |
| C804             | In right rear door                                         | ★                    | ★                         | ★            | ★               |
| C812             | Rear of right rear door                                    | 151- 17-B10          | ★                         | ★            | 1               |
| C900             | In overhead console                                        | 151- 16- A3          | 101-2                     | GY           | 5               |
| C901             | Center of roof                                             | 151- 16- A2          | ★                         | GY           | 3               |
| C902             | In overhead console                                        | ★                    | 102-2                     | BK           | 6               |
| C1004            | Mounted to battery junction box                            | ★                    | ★                         | ★            | ★               |
| C1005            | On battery (+) terminal                                    | 151- 1-C10           | ★                         | ★            | 1               |
| C1006            | On battery (-) terminal                                    | 151- 1-C10           | ★                         | ★            | 1               |
| C1007            | On starter motor                                           | 151- 1- F4           | ★                         | ★            | 1               |
| C2000            | Behind left center of I/P                                  | 151- 11- B1          | 41-5                      | ★            | 16              |
| C2001            | Behind left center of I/P                                  | 151- 11- B1          | 41-5                      | ★            | 16              |
| C2002            | In instrument panel console                                | 151- 16- D1          | 54-7                      | ★            | 5               |
| C2003            | In instrument panel console                                | 151- 16- F7          | 130-19                    | ★            | 16              |
| C2004            | In instrument panel console                                | 151- 16- F7          | 54-8                      | ★            | 8               |
| C2005            | In instrument panel console                                | 151- 16- F3          | 130-17                    | ★            | 12              |
| C2006            | Near T/O C2012 rear blower motor                           | ★                    | 135-3                     | ★            | 10              |
| C2007            | Near T/O C2008, C2009 message center                       | ★                    | ★                         | ★            | 8               |
| C2008            | In instrument panel console                                | 151- 16- B1          | 62-11                     | BK           | 12              |
| C2009            | In instrument panel console                                | 151- 16- B1          | 62-11                     | BK           | 16              |
| C2011            | Left behind steering wheel                                 | 151- 12- A8          | 46-3                      | ★            | 2               |
| C2012            | In instrument panel console                                | 151- 16- F6          | ★                         | ★            | 2               |
| C2013            | In instrument panel console                                | 151- 16- F5          | 54-6                      | BK           | 8               |
| C2014            | In instrument panel console                                | 151- 16- F4          | ★                         | ★            | 4               |
| C2015            | In instrument panel console, on parking aid disable switch | 151- 11- C1          | 131-2                     | ★            | 4               |

★ Not Available

# 152-23 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Ground</u> | <u>Location</u>                                                     | <u>Page</u><br><u>Zone</u> |
|---------------|---------------------------------------------------------------------|----------------------------|
| G100          | Left rear corner of engine compartment, at fender apron             | 151- 1-B10                 |
| G101          | Left front of engine compartment, near radiator                     | 151- 3-D10                 |
| G102          | Right side of engine compartment, attached to right quarter panel   | 151- 3- B1                 |
| G103          | Battery support ground                                              | ★                          |
| G104          | Engine support ground                                               | ★                          |
| G200          | Under right side of instrument panel                                | ★                          |
| G201          | Right side of instrument panel, mounted to right side of kick panel | 151- 2- A5                 |
| G202          | Right side of instrument panel, attached to A-pillar                | 151- 11- D1                |
| G204          | Under left side of I/P, behind kick panel                           | 151- 17- A5                |
| G302          | Rear of vehicle                                                     | ★                          |
| G303          | Rear of vehicle                                                     | 151- 17-C10                |
| G304          | Near overhead console                                               | ★                          |
| G400          | Rear center of vehicle, in liftgate                                 | 151- 19- A9                |
| G401          | Right top corner of liftgate                                        | 151- 19-A10                |
| G500          | Left front door, near T/O to master window control switch           | 151- 18- A1                |
| G501          | Left front door, near T/O to left front door ajar switch            | ★                          |
| G600          | Right front door, near T/O to right front power door lock switch    | 151- 16- A7                |
| G601          | Right front door, near T/O to right front door ajar switch          | ★                          |
| G700          | Left rear door, near T/O to left rear door lock motor               | 151- 17- F4                |
| G701          | In left rear door                                                   | ★                          |
| G800          | Right rear door, near T/O to right rear door lock motor             | 151- 17-B10                |
| G801          | In right rear door                                                  | ★                          |

★ Not Available

| <u>Splice</u> | <u>Location</u>                             |
|---------------|---------------------------------------------|
| S100          | Between diode and T/O for compressor clutch |
| S101          | In T/O for powertrain control module        |
| S102          | 100 mm from branch for left headlamp        |
| S103          | 75 mm from T/O for right headlamp           |
| S104          | In T/O for wiper motor                      |

# LOCATION INDEX 152-24

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                                    |
|---------------|----------------------------------------------------|
| S105 .....    | In T/O for powertrain control module               |
| S106 .....    | In T/O for powertrain control module               |
| S107 .....    | 110 mm from T/O to C148                            |
| S108 .....    | In T/O for powertrain control module               |
| S109 .....    | Near T/O for left front park/turn lamp             |
| S110 .....    | Near T/O for right front park/turn lamp            |
| S111 .....    | 100 mm from T/O for G101                           |
| S112 .....    | Near T/O for left headlamp                         |
| S113 .....    | 200 mm from T/O to battery junction box            |
| S114 .....    | Near T/O to battery junction box                   |
| S115 .....    | Near T/O to 4WABS control module                   |
| S116 .....    | 50 mm from T/O to C146                             |
| S117 .....    | Near T/O for fuel injector #7                      |
| S118 .....    | Near T/O for fuel injector #3                      |
| S119 .....    | Near T/O to EGR valve position sensor              |
| S120 .....    | Near T/O C147M                                     |
| S121 .....    | Near T/O to transmission connector                 |
| S122 .....    | Near T/O                                           |
| S123 .....    | 135 mm from branch to fuel pump relay              |
| S124 .....    | In engine control sensor harness, near T/O to C164 |
| S125 .....    | Near T/O to transmission connector                 |
| S126 .....    | Near T/O left front park/turn lamp                 |
| S127 .....    | Near T/O C140M                                     |
| S128 .....    | 75 mm from branch to WOT A/C relay                 |
| S129 .....    | Near T/O C102 brake pressure switch                |
| S130 .....    | Near T/O to C183                                   |
| S131 .....    | Near T/O to left front park/turn lamp              |
| S133 .....    | 25 mm from T/O to compressor clutch                |
| S134 .....    | Near T/O for C123                                  |
| S135 .....    | In T/O to C113                                     |
| S136 .....    | 405 mm from T/O for BMAP sensor                    |
| S137 .....    | Near T/O to 4WABS control module                   |

# 152-25 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                              |
|---------------|----------------------------------------------|
| S142 .....    | 100 mm from T/O to C169                      |
| S144 .....    | Near T/O to battery junction box             |
| S146 .....    | 100 mm from T/O for throttle position sensor |
| S147 .....    | Near T/O to auxiliary box #3                 |
| S148 .....    | 100 mm from T/O for 4WABS control module     |
| S150 .....    | Near T/O for 4WABS pump motor                |
| S153 .....    | Near T/O to battery junction box             |
| S154 .....    | Near T/O to starter motor relay              |
| S155 .....    | Near T/O to ignition control module          |
| S156 .....    | Near T/O to auxiliary relay box #1           |
| S157 .....    | Near T/O to fuel injector #6                 |
| S158 .....    | Near T/O to anti-theft hood switch           |
| S159 .....    | Near T/O C102 positive battery cable         |
| S160 .....    | Near T/O to battery junction box             |
| S161 .....    | Near T/O to anti-theft hood switch           |
| S162 .....    | Near T/O for headlamp switch                 |
| S163 .....    | Near T/O for battery junction box            |
| S164 .....    | Near T/O for battery junction box            |
| S165 .....    | 200 mm from T/O for C115                     |
| S166 .....    | Near T/O to fuel injector #6                 |
| S167 .....    | Near T/O to fuel injector #6                 |
| S168 .....    | Near T/O to 4WABS control module             |
| S169 .....    | Near T/O to fuel injector #6                 |
| S170 .....    | Near T/O to blower motor                     |
| S171 .....    | Near T/O to C140 evac and fill               |
| S172 .....    | 150 mm from T/O for G101                     |
| S173 .....    | In T/O to 4WABS pump motor                   |
| S176 .....    | Near T/O to brake pressure switch            |
| S177 .....    | Near T/O to left front side lamp             |
| S178 .....    | Near T/O to right front side lamp            |
| S179 .....    | In T/O to C118                               |
| S180 .....    | In T/O to C118                               |

# LOCATION INDEX 152-26

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                             |
|---------------|---------------------------------------------|
| S200 .....    | Near T/O to radio                           |
| S201 .....    | Near T/O for instrument cluster             |
| S202 .....    | Near T/O to right vanity mirror lamp/switch |
| S203 .....    | Near T/O for G204                           |
| S204 .....    | In T/O to ignition switch                   |
| S205 .....    | Near T/O to Inline C204                     |
| S206 .....    | Near T/O to inline C204                     |
| S207 .....    | Near T/O for headlamp switch                |
| S208 .....    | Near T/O to C216 headlamp switch            |
| S209 .....    | Near T/O for instrument cluster             |
| S210 .....    | Near T/O to rear blower motor relay         |
| S211 .....    | Near T/O to data link connector             |
| S212 .....    | Near T/O to data link connector             |
| S213 .....    | Near T/O for instrument cluster             |
| S214 .....    | Near T/O to instrument cluster              |
| S215 .....    | Near T/O ignition switch                    |
| S216 .....    | Near T/O to C232 RCM                        |
| S217 .....    | Near T/O to I/P fuse panel                  |
| S221 .....    | 50 mm from T/O to instrument cluster        |
| S222 .....    | Near T/O to C204                            |
| S223 .....    | Near T/O G204                               |
| S228 .....    | Near T/O for instrument cluster             |
| S229 .....    | Near T/O for generic electronic module      |
| S230 .....    | Near T/O to data link connector             |
| S231 .....    | Near T/O to rear blower motor               |
| S232 .....    | Near T/O to rear window defrost relay       |
| S233 .....    | Near T/O C2002                              |
| S234 .....    | Near T/O to C324                            |
| S235 .....    | 90 mm from T/O to C326                      |
| S236 .....    | Near T/O to headlamp switch                 |
| S237 .....    | Near T/O to C291                            |
| S238 .....    | Near T/O to relay module                    |

# 152-27 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                                             |
|---------------|-------------------------------------------------------------|
| S239 .....    | Near T/O to C213                                            |
| S240 .....    | In T/O for C323                                             |
| S241 .....    | 50 mm from T/O to instrument cluster                        |
| S242 .....    | Near T/O to radio                                           |
| S243 .....    | 200 mm from T/O to CD changer                               |
| S244 .....    | Near T/O to relay module                                    |
| S245 .....    | Near T/O for instrument cluster                             |
| S246 .....    | Near T/O for instrument cluster                             |
| S247 .....    | Near T/O to instrument cluster                              |
| S248 .....    | Near T/O to instrument cluster                              |
| S249 .....    | Near T/O to radio                                           |
| S250 .....    | In T/O to generic electronic module                         |
| S251 .....    | In 7A786 near T/O C200F                                     |
| S252 .....    | In 7A786 near T/O C200F                                     |
| S253 .....    | In main harness, near T/O to C2000 air suspension control   |
| S255 .....    | Near T/O to relay module                                    |
| S256 .....    | Near T/O to instrument cluster                              |
| S257 .....    | Near T/O to blower motor switch                             |
| S258 .....    | In main harness, near T/O to C280 generic electronic module |
| S259 .....    | Near T/O to relay module                                    |
| S260 .....    | Near T/O to parking brake switch                            |
| S261 .....    | Near T/O to C245                                            |
| S262 .....    | Near T/O to parking brake switch                            |
| S263 .....    | Near T/O to rear window defrost relay                       |
| S264 .....    | Near T/O for instrument cluster                             |
| S265 .....    | Near T/O to C267                                            |
| S266 .....    | Near T/O to headlamp switch                                 |
| S267 .....    | Near T/O to G204                                            |
| S268 .....    | In 14401, Near main branch to interior fuse panel           |
| S269 .....    | In 14401, Near main branch to interior fuse panel           |
| S270 .....    | Near T/O to relay module                                    |
| S271 .....    | Near T/O to radio                                           |

# LOCATION INDEX 152-28

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                                             |
|---------------|-------------------------------------------------------------|
| S272 .....    | Near T/O to radio                                           |
| S273 .....    | Near T/O to G204                                            |
| S274 .....    | In 14401 near T/O I/P fuse panel                            |
| S275 .....    | Near T/O C280 generic electronic control module (GEM)       |
| S276 .....    | In main harness, near T/O to C278 transfer case shift relay |
| S277 .....    | Near T/O to RICP                                            |
| S278 .....    | Near T/O to RICP                                            |
| S279 .....    | Near T/O to rear blower motor                               |
| S280 .....    | Near T/O to radio                                           |
| S281 .....    | Near T/O to radio                                           |
| S282 .....    | Near T/O to C286 instrument cluster                         |
| S283 .....    | Near T/O to C280 generic electronic module (GEM)            |
| S284 .....    | In main harness, near T/O to C286 instrument cluster        |
| S291 .....    | Near T/O C256 front control unit                            |
| S292 .....    | Near T/O to C245 in window regulator jumper harness         |
| S300 .....    | In main branch to T/O for liftgate washer pump motor        |
| S301 .....    | In T/O for right stop/park lamp                             |
| S302 .....    | Near T/O to liftgate washer pump motor                      |
| S303 .....    | In main branch to T/O for liftgate washer pump motor        |
| S304 .....    | In main branch to T/O for liftgate washer pump motor        |
| S305 .....    | In T/O for right stop/park lamp                             |
| S306 .....    | In T/O to C232M                                             |
| S307 .....    | In main branch to T/O for liftgate washer pump motor        |
| S308 .....    | In seat control feed jumper under right front seat          |
| S309 .....    | Near T/O to C393, running board lamp                        |
| S310 .....    | Near T/O to C395                                            |
| S311 .....    | Near T/O to C395                                            |
| S312 .....    | Near T/O to C394, running board lamp                        |
| S313 .....    | Near T/O to C395                                            |
| S314 .....    | 200 mm from T/O for C323                                    |
| S317 .....    | Near T/O for left power lumbar seat switch                  |
| S320 .....    | In T/O to C349 in seat control feed jumper harness          |

# 152-29 LOCATION INDEX

1999 EXPLORER/MOUNTAINEER

| <u>Splice</u> | <u>Location</u>                                                            |
|---------------|----------------------------------------------------------------------------|
| S321 .....    | Seat control feed jumper harness, near T/O to C347 left power lumbar motor |
| S322 .....    | Near T/O to G204                                                           |
| S334 .....    | In T/O for C267                                                            |
| S337 .....    | 520 mm from T/O for C323                                                   |
| S338 .....    | Near T/O for C323                                                          |
| S339 .....    | 510 mm from T/O for C323                                                   |
| S340 .....    | Near T/O for C323                                                          |
| S350 .....    | In seat control feed jumper, near T/O to C349                              |
| S351 .....    | Near T/O C300 Evaporative Emission Canister Vent Solenoid (EVAP)           |
| S352 .....    | Near T/O rear chassis unit                                                 |
| S355 .....    | Near T/O for power antenna module                                          |
| S392 .....    | Near T/O to rear chassis unit                                              |
| S393 .....    | Near T/O to rear chassis unit                                              |
| S394 .....    | Near T/O to rear chassis unit                                              |
| S400 .....    | In T/O for left license lamp                                               |
| S401 .....    | Near T/O C438                                                              |
| S402 .....    | In T/O for left license lamp                                               |
| S403 .....    | Near T/O C438                                                              |
| S404 .....    | Near T/O C438                                                              |
| S405 .....    | In T/O to heated backlite                                                  |
| S407 .....    | Near T/O to left rear door ajar switch                                     |
| S409 .....    | Near T/O to left rear door ajar switch                                     |
| S410 .....    | Near T/O to right rear parking aid sensor                                  |
| S411 .....    | Near T/O to right rear parking aid sensor                                  |
| S500 .....    | 130 mm from branch for left front door lock actuator                       |
| S501 .....    | Near T/O to left front door courtesy lamp                                  |
| S504 .....    | Near T/O to left power mirror                                              |
| S601 .....    | 215 mm from T/O to right front power window motor                          |
| S602 .....    | Near T/O for G600                                                          |
| S700 .....    | Near T/O to left rear power window switch                                  |
| S800 .....    | Near T/O to right rear power window switch                                 |

## NOTES 152-30

**1999 EXPLORER/MOUNTAINEER**This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

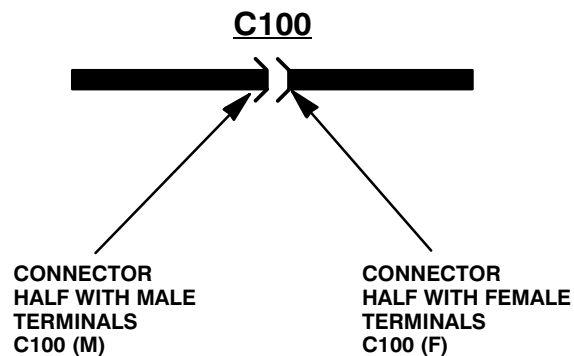
# 153-1 HARNESS CAUSAL PART NUMBER

1999 EXPLORER/MOUNTAINEER

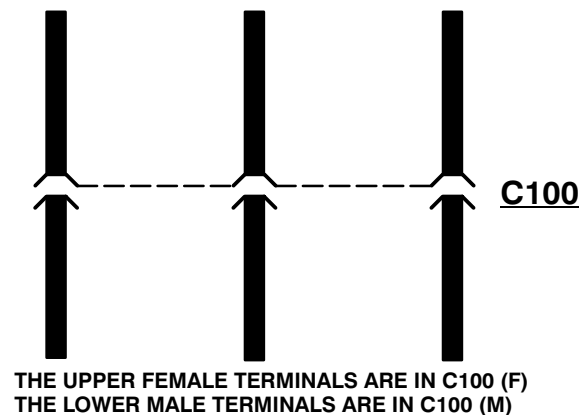
## HOW TO IDENTIFY A BASIC HARNESS NUMBER BY USING A “C” NUMBER

Understand these symbols before using the following listing:

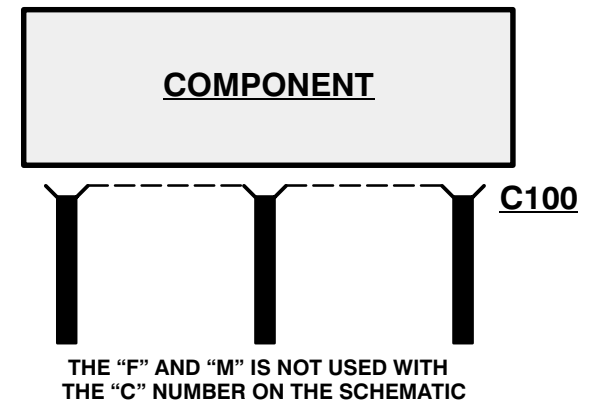
### HARNESS TO HARNESS CONNECTION



### DASHED LINES INDICATE TERMINALS OF SAME CONNECTOR



### COMPONENT CONNECTION



Identify the basic harness part number by:

- 1) If the problem is in a connector, find the connector “C” number in the wiring diagram schematics. Then locate the “C” number in the following listing and read the harness base part number.
- 2) If the problem is not in a connector (such as a short or a broken wire), then choose a connector located on the same harness that has the problem. Identify the “C” number in the following listing and read the base part number of the harness that has the problem.

# HARNESS CAUSAL PART NUMBER

153-2

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> |
|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|
| C100 (F)                          | 14405                          | C132                              | 14398                          | C165                              | 12B637                         | C200 (M)                          | 14A488                         |
| C100 (M)                          | 14A488                         | C133                              | 14398                          | C166                              | 12B637                         | C201                              | 7A786                          |
| C101                              | 14A488                         | C134                              | 14398                          | C167                              | 12B637                         | C202                              | 12B637                         |
| C102                              | 14398                          | C135                              | 14398                          | C168                              | 12B637                         | C203                              | 14401                          |
| C104                              | 12B637                         | C136                              | 14398                          | C169 (4.0L)                       | 12B637                         | C204 (F)                          | 14401                          |
| C105                              | 12B637                         | C137                              | 14398                          | C169 (5.0L)                       | 12A690                         | C204 (M)                          | 14A488                         |
| C106                              | 14398                          | C138                              | 14398                          | C170                              | 14398                          | C205                              | 14401                          |
| C107                              | 12B637                         | C139                              | 14398                          | C171                              | 14398                          | C206                              | 14401                          |
| C108                              | 12B637                         | C140 (F)                          | 14290                          | C172                              | 12A690                         | C207                              | 14401                          |
| C109                              | 12A690                         | C140 (M)                          | 14398                          | C173                              | 12A690                         | C208                              | 14401                          |
| C110                              | 12B637                         | C141 (F)                          | 14405                          | C174                              | 12B637                         | C209                              | 14401                          |
| C111                              | 12B637                         | C141 (M)                          | 14A488                         | C175                              | 12B637                         | C210                              | 14A320                         |
| C112                              | 12A690                         | C142                              | 14398                          | C177                              | 12A690                         | C211                              | 14A488                         |
| C113 (F)                          | 12B637                         | C143                              | 14398                          | C178                              | 12A690                         | C212 (F)                          | 14401                          |
| C113 (M)                          | 12A690                         | C144                              | 14398                          | C179                              | 14398                          | C212 (M)                          | 14A488                         |
| C114 (F)                          | 14398                          | C145                              | 14398                          | C180                              | 12A690                         | C213 (F)                          | 14A488                         |
| C114 (M)                          | PIA                            | C146 (F)                          | 14401                          | C181                              | 12A690                         | C213 (M)                          | 14401                          |
| C115 (F)                          | 12B637                         | C146 (M)                          | 14398                          | C182                              | 12A690                         | C214                              | 14401                          |
| C115 (M)                          | 14398                          | C147 (F)                          | 14401                          | C182 (4.0L)                       | 12B637                         | C215                              | 14401                          |
| C116 (F)                          | 12A690                         | C147 (M)                          | 14398                          | C182 (5.0L)                       | 12A581                         | C216                              | 14401                          |
| C116 (M)                          | 12B637                         | C148 (F)                          | 14401                          | C183                              | 12B637                         | C217                              | 14A320                         |
| C117                              | 14398                          | C148 (M)                          | 14398                          | C184                              | 12B637                         | C218                              | 18B864                         |
| C118 (F)                          | 12B637                         | C151                              | 14398                          | C186                              | 14398                          | C219                              | 14401                          |
| C118 (M)                          | 12A690                         | C152                              | 12B637                         | C187                              | 14398                          | C220                              | 14401                          |
| C119 (F)                          | 14405                          | C153                              | 14398                          | C188                              | 14398                          | C221                              | 14401                          |
| C119 (M)                          | 14A488                         | C154                              | 14398                          | C189                              | 12B637                         | C222                              | 14401                          |
| C120                              | 12B637                         | C156                              | 12B637                         | C191                              | 14398                          | C223                              | 14401                          |
| C121                              | 12B637                         | C157                              | 12B637                         | C192                              | 14398                          | C224                              | 14401                          |
| C122                              | 12B637                         | C158                              | 12B637                         | C193                              | 14398                          | C225                              | 18B864                         |
| C125 (F)                          | 14398                          | C159                              | 12B637                         | C194                              | 14398                          | C226 (F)                          | 14401                          |
| C125 (M)                          | 14A280                         | C160                              | 12B637                         | C195                              | 12B637                         | C226 (M)                          | 14A320                         |
| C126                              | 14398                          | C161                              | 12B637                         | C196                              | 14398                          | C227                              | 14401                          |
| C129                              | 14398                          | C162                              | 12B637                         | C197                              | 14398                          | C228                              | 14401                          |
| C130                              | 14398                          | C163                              | 12B637                         | C199                              | 12B637                         | C230                              | 14401                          |
| C131                              | 14398                          | C164                              | 12B637                         | C200 (F)                          | 7A786                          |                                   |                                |

# 153-3 HARNESS CAUSAL PART NUMBER

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> |
|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|
| C231 .....                        | 14401                          | C278 .....                        | 14401                          | C309 .....                        | 14A488                         | C343 .....                        | 14C719                         |
| C232 .....                        | 14401                          | C279 .....                        | 14401                          | C310 .....                        | 14A488                         | C344 .....                        | 14C719                         |
| C233 .....                        | 14401                          | C280 .....                        | 14401                          | C311 .....                        | 14405                          | C345 .....                        | 14C719                         |
| C240 (F) .....                    | 14401                          | C281 .....                        | 14401                          | C313 .....                        | 14K155                         | C346 (F) .....                    | 14A488                         |
| C240 (M) .....                    | 18B864                         | C282 .....                        | 14401                          | C314 .....                        | 14K155                         | C346 (M) .....                    | 14C719                         |
| C242 (F) .....                    | 14630                          | C283 .....                        | 14401                          | C316 (F) .....                    | 14632                          | C347 .....                        | 14C719                         |
| C242 (M) .....                    | 14A488                         | C285 .....                        | 14401                          | C316 (M) .....                    | 14A488                         | C348 .....                        | 14C719                         |
| C244 (F) .....                    | 14630                          | C286 .....                        | 14401                          | C318 (F) .....                    | 13B472                         | C349 .....                        | 14C719                         |
| C244 (M) .....                    | 14A488                         | C287 .....                        | 14401                          | C318 (M) .....                    | 14A488                         | C350 .....                        | 14C719                         |
| C245 (F) .....                    | 14A488                         | C288 .....                        | 14401                          | C319 .....                        | 14A488                         | C351 .....                        | 14C719                         |
| C245 (M) .....                    | 14631                          | C289 .....                        | 14401                          | C320 (F) .....                    | 13B472                         | C353 .....                        | 14C719                         |
| C248 .....                        | 14401                          | C290 .....                        | 14401                          | C320 (M) .....                    | 14A488                         | C354 .....                        | 14C719                         |
| C249 .....                        | 14401                          | C291 .....                        | 14401                          | C321 .....                        | 14A488                         | C355 .....                        | 14C719                         |
| C256 .....                        | 14401                          | C292 (F) .....                    | 14B079                         | C323 (F) .....                    | 14633                          | C356 .....                        | 14C719                         |
| C257 (F) .....                    | 19A041                         | C292 (M) .....                    | 14401                          | C323 (M) .....                    | 14A488                         | C357 .....                        | 14C719                         |
| C257 (M) .....                    | 14A488                         | C294 .....                        | 14401                          | C324 .....                        | 14A488                         | C358 .....                        | 14C719                         |
| C258 (F) .....                    | 19A044                         | C296 .....                        | 14401                          | C326 (F) .....                    | 19A017                         | C359 .....                        | 14C719                         |
| C258 (M) .....                    | 14A488                         | C297 .....                        | 14401                          | C326 (M) .....                    | 14A488                         | C360 (F) .....                    | 14A488                         |
| C267 (F) .....                    | 14334                          | C298 .....                        | 14401                          | C327 (F) .....                    | 19A017                         | C360 (M) .....                    | 14C719                         |
| C267 (M) .....                    | 14A488                         | C299 .....                        | 14401                          | C327 (M) .....                    | 14A488                         | C361 (F) .....                    | 14A488                         |
| C268 .....                        | 14401                          | C300 .....                        | 14405                          | C328 .....                        | 14A488                         | C361 (M) .....                    | 14C719                         |
| C270 .....                        | 14401                          | C303 .....                        | 14334                          | C329 .....                        | 14A488                         | C362 .....                        | 14401                          |
| C271 .....                        | 14401                          | C304 .....                        | 14334                          | C333 .....                        | 18B864                         | *C366 .....                       | 14335                          |
| C272 .....                        | 14401                          | C305 .....                        | 14334                          | C334 .....                        | 14334                          | C366 .....                        | 14A488                         |
| C273 .....                        | 14401                          | C306 (F) .....                    | 14335                          | C335 .....                        | 14C719                         | *C367 .....                       | 14335                          |
| C274 .....                        | 14401                          | C306 (M) .....                    | 14A488                         | C336 .....                        | 14A488                         | C367 .....                        | 14A488                         |
| *C275 .....                       | 14B079                         | C307 (F) .....                    | 14K155                         | C337 .....                        | 14C719                         | C370 .....                        | 14C719                         |
| C275 .....                        | 14401                          | C307 (M) .....                    | 14A488                         | C338 .....                        | 14A488                         | C371 .....                        | 14C719                         |
| C276 .....                        | 14401                          | C308 (F) .....                    | 14K155                         | C340 .....                        | 14C719                         | *W/ High Series Console           |                                |
| C277 .....                        | 14401                          | C308 (M) .....                    | 14A488                         | C342 .....                        | 14334                          |                                   |                                |

# HARNESS CAUSAL PART NUMBER

153-4

1999 EXPLORER/MOUNTAINEER

| <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> | <u>Connector</u><br><u>Number</u> | <u>Wire</u><br><u>Assembly</u> |
|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|
| C372 .....                        | 14C719                         | C419 .....                        | 18C673                         | **C512 .....                      | 19A044                         | C803 .....                        | 19A017                         |
| C373 .....                        | 14C719                         | C420 .....                        | 18C673                         | C512 .....                        | 14631                          | C803 .....                        | 14632                          |
| C387 .....                        | PIA                            | C421 .....                        | 18C620                         | **C513 .....                      | 19A044                         | C804 .....                        | 14632                          |
| C388 .....                        | PIA                            | C422 .....                        | 14405                          | C513 .....                        | 14631                          | **C804 .....                      | 19A017                         |
| C390 (F) .....                    | 14405                          | C424 (F) .....                    | 13B472                         | C514 .....                        | 14631                          | **C812 .....                      | 19A017                         |
| C390 (M) .....                    | 14408                          | C424 (M) .....                    | 14A583                         | C515 .....                        | 14631                          | C812 .....                        | 14632                          |
| C391 .....                        | 14408                          | C426 .....                        | 14A583                         | C516 .....                        | 14631                          | C900 .....                        | 14334                          |
| C392 .....                        | 14408                          | C428 .....                        | 14405                          | **C600 .....                      | 19A401                         | C901 .....                        | 14334                          |
| C393 .....                        | 14408                          | C429 .....                        | 14405                          | C600 .....                        | 14630                          | C902 .....                        | 14334                          |
| C394 .....                        | 14408                          | C430 .....                        | 14405                          | C601 .....                        | 14630                          | C1004 .....                       | 14B109                         |
| C395 (F) .....                    | 14405                          | C433 .....                        | 14405                          | **C601 .....                      | 19A041                         | C1005 .....                       | 14B109                         |
| C395 (M) .....                    | 14408                          | C438 .....                        | 14A583                         | C602 .....                        | 14630                          | C1006 .....                       | 14B109                         |
| C400 .....                        | 14A488                         | C439 .....                        | 14A583                         | C604 .....                        | 14630                          | C1007 .....                       | 14B109                         |
| C401 .....                        | 14A488                         | C440 .....                        | 14A488                         | C605 .....                        | 14630                          | C2000 .....                       | 14401                          |
| C402 (F) .....                    | 14A488                         | C441 .....                        | 14A488                         | C606 .....                        | 14630                          | C2001 .....                       | 14401                          |
| C402 (M) .....                    | 13A576                         | C442 (F) .....                    | 14A488                         | C607 .....                        | 14630                          | C2002 .....                       | 14B079                         |
| C403 .....                        | 14A488                         | C442 (M) .....                    | 15K868                         | **C612 .....                      | 19A041                         | C2003 .....                       | 14B079                         |
| C404 .....                        | 14A488                         | C443 .....                        | 15K868                         | C612 .....                        | 14630                          | C2004 .....                       | 14B079                         |
| C405 .....                        | 13412                          | C444 .....                        | 15K868                         | C613 .....                        | 14630                          | C2005 .....                       | 14B079                         |
| C406 .....                        | 13412                          | C445 .....                        | 15K868                         | C614 .....                        | 14630                          | C2006 .....                       | 14B079                         |
| C408 .....                        | 13A576                         | C446 .....                        | 15K868                         | C615 .....                        | 14630                          | *C2006 .....                      | 19A456                         |
| C409 (F) .....                    | 13B472                         | **C500 .....                      | 19A044                         | C700 .....                        | 14633                          | C2007 .....                       | 14B079                         |
| C409 (M) .....                    | 14A583                         | C500 .....                        | 14631                          | C701 .....                        | 14633                          | C2008 .....                       | 14B079                         |
| C410 .....                        | 13B472                         | C501 .....                        | 14631                          | C702 .....                        | 14633                          | C2009 .....                       | 14B079                         |
| C411 .....                        | 14A488                         | C502 .....                        | 14631                          | **C703 .....                      | 19A017                         | C2011 .....                       | PIA                            |
| C412 .....                        | 14A488                         | C504 .....                        | 14631                          | C703 .....                        | 14633                          | C2012 .....                       | 14B079                         |
| C414 .....                        | 14A583                         | C505 .....                        | 14631                          | C704 .....                        | 14633                          | C2013 .....                       | 14B079                         |
| C415 .....                        | 14A488                         | C506 .....                        | 14631                          | **C712 .....                      | 19A017                         | C2014 .....                       | 14B079                         |
| C416 .....                        | 14A488                         | C507 .....                        | 14631                          | C712 .....                        | 14633                          | C2015 .....                       | 14401                          |
| C417 .....                        | 14A583                         | C509 .....                        | 14631                          | C800 .....                        | 14632                          | *W/O Overhead Console             |                                |
| C418 (F) .....                    | 13B472                         | C510 .....                        | 14631                          | C801 .....                        | 14632                          | **W/O Power Equipment Group       |                                |
| C418 (M) .....                    | 18C673                         | C511 .....                        | 14631                          | C802 .....                        | 14632                          |                                   |                                |

# 160-1 VEHICLE REPAIR LOCATION CODES

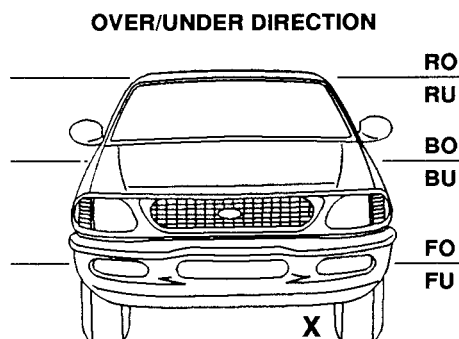
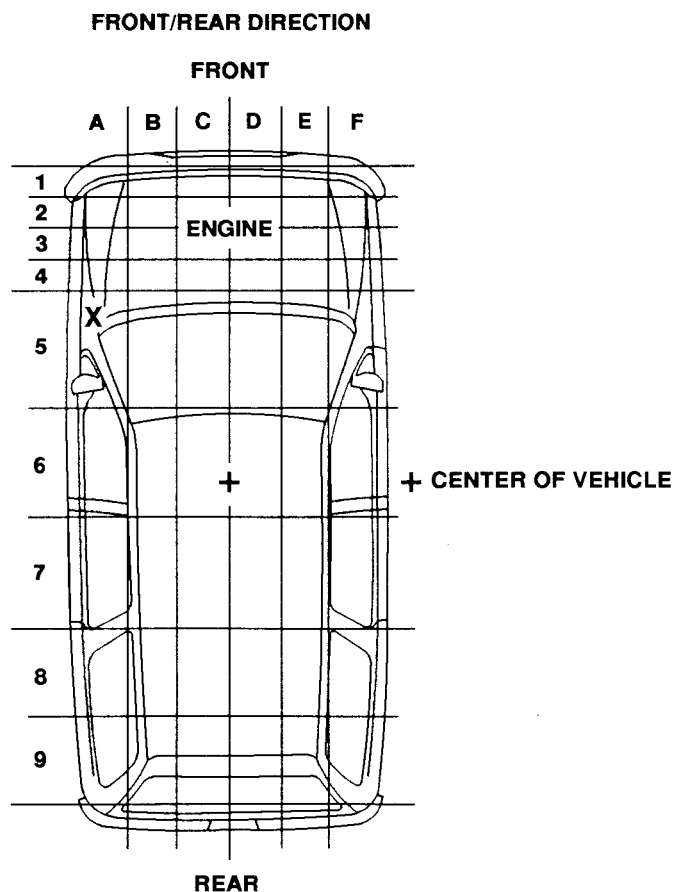
1999 EXPLORER/MOUNTAINEER

## 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.)



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

