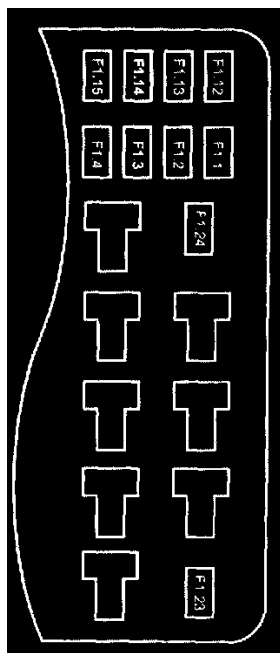


Some components on each diagram have internal symbols with an identification number located to the right. You can identify the internal symbol or

function by finding the corresponding number under the component name.

Circuit Function Identifiers (7)

Some components without internal diagrams use symbols or text to describe the function of a circuit in a system.

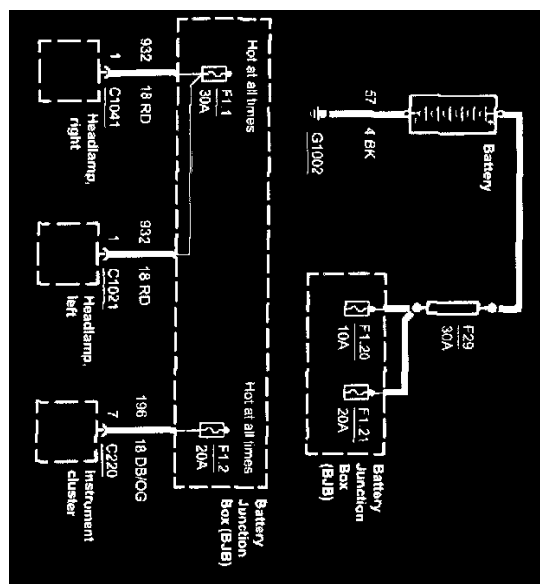


Fuse and Relay Information

Fuse/Locations and Relay/Locations contains a view of the fuse-/relay box in which all fuses and relays are identified.

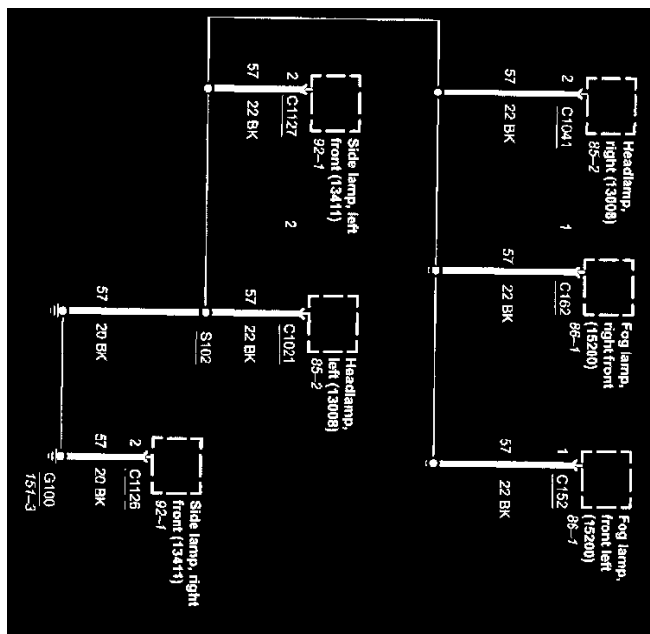
Fuse and Relay Numbering and Naming

Fuse and relay numbering and naming follow the indication of the fuse panel cover. In addition, a prefix precedes the fuse number to facilitate finding the fuse in the Component Location Charts e.g. "F1." precedes Battery Junction Box fuses, and "F2." precedes Central Junction Box fuses.



Power Distribution

Power and Ground Distribution Diagrams shows the current feed circuit. The current path is shown from the battery to the ignition switch and to all fuses. It also shows the circuits protected by each fuse. The circuit is traced from the fuse to the component. All details (wires, splices, connectors) between the fuse and the first component are shown.



Ground Distribution

Power and Ground Distribution Diagrams contains the diagrams that show the complete details for each ground connection or main ground splice. This is useful in diagnosing a problem affecting several components at once (poor ground connection or ground splice). All details (wires, splices, connectors) between the ground point and the components are shown. These ground connection details are shown here in order to keep the individual set diagrams as uncluttered as possible.

C150

(BK)

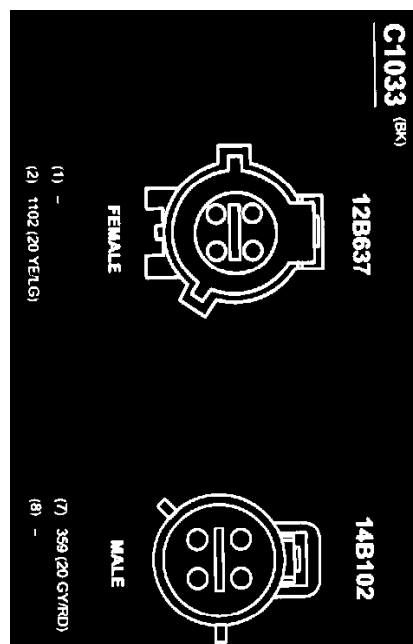
12AS81

Wheel speed sensor, left front (2C205)

FEMALE

Pin	Circuit	Circuit Function
1	522 (TN/BK)	Wheel speed sensor, left front (2C205) -
2	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

C150

**C1033**

Component and Connector Information

Locations information that can be found at the vehicle level will help the user find where the various items depicted on the diagram can physically be found on the vehicle. A brief written description of the location is given, along with a reference to the component location views.

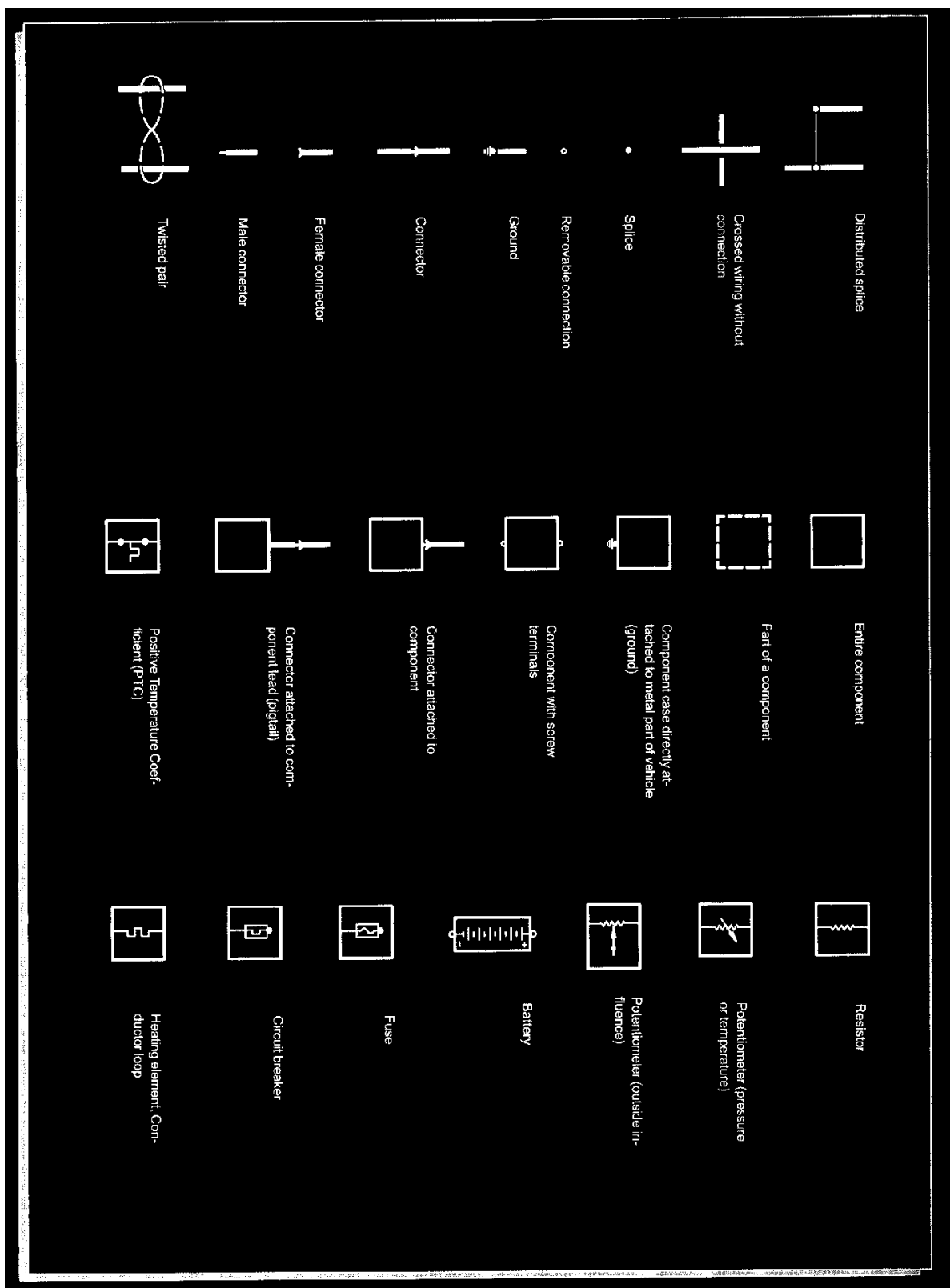
Component Location Views show the components and their connecting wires as they can be found on the vehicle.

Connector Views show the views of the pins and/or cavities of all connectors. The pin and cavity sides are shown separately as if the connector were disconnected. The color of the connector housing is indicated next to the connector number when available. The harness causal number is located above the component name and below the connector number or above the connector face itself. Wiring harness designations are listed in Component Location Charts. Circuit function charts are located below each connector.

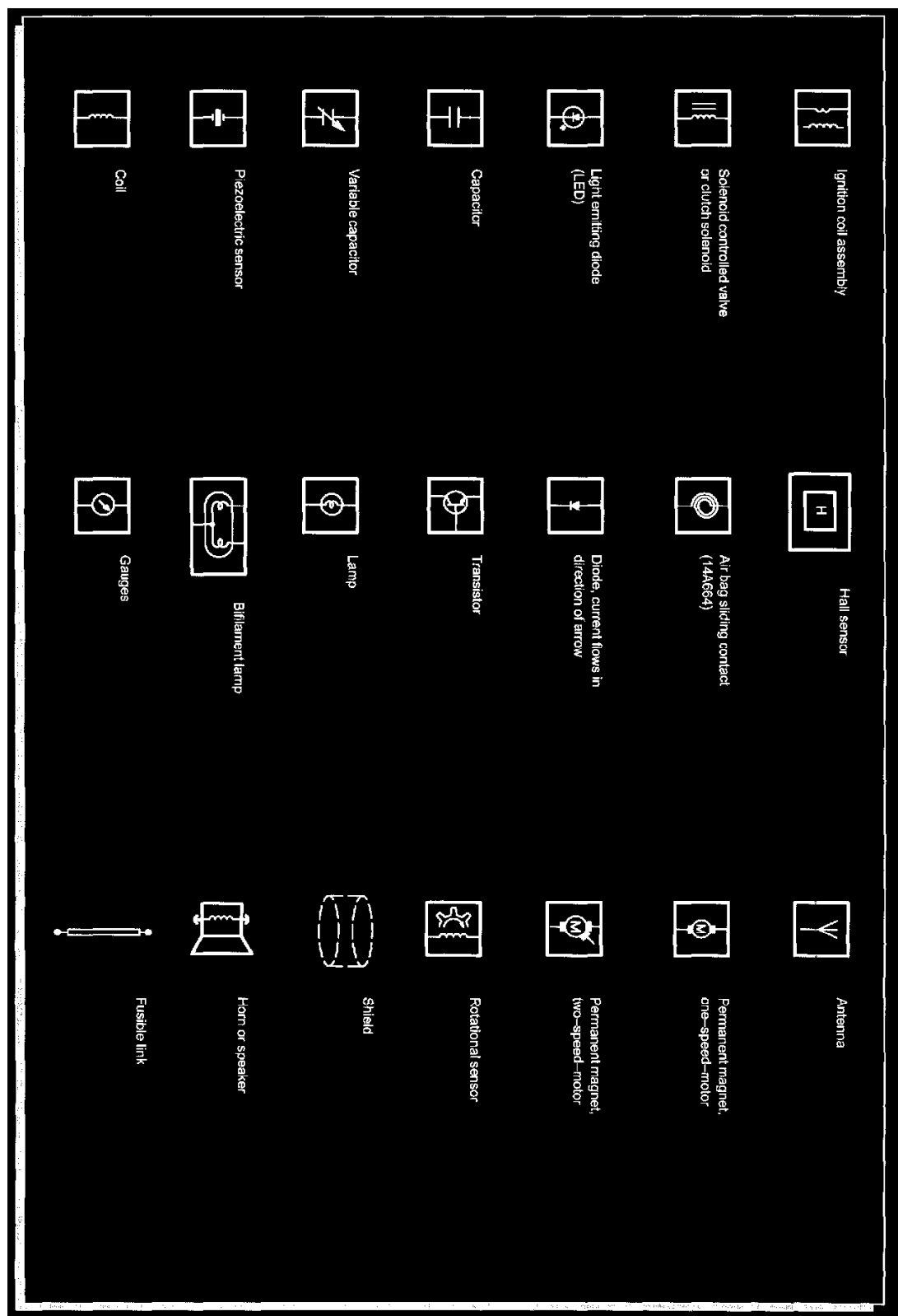
WARNINGS

- 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 scalding 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 set. 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.

Symbols

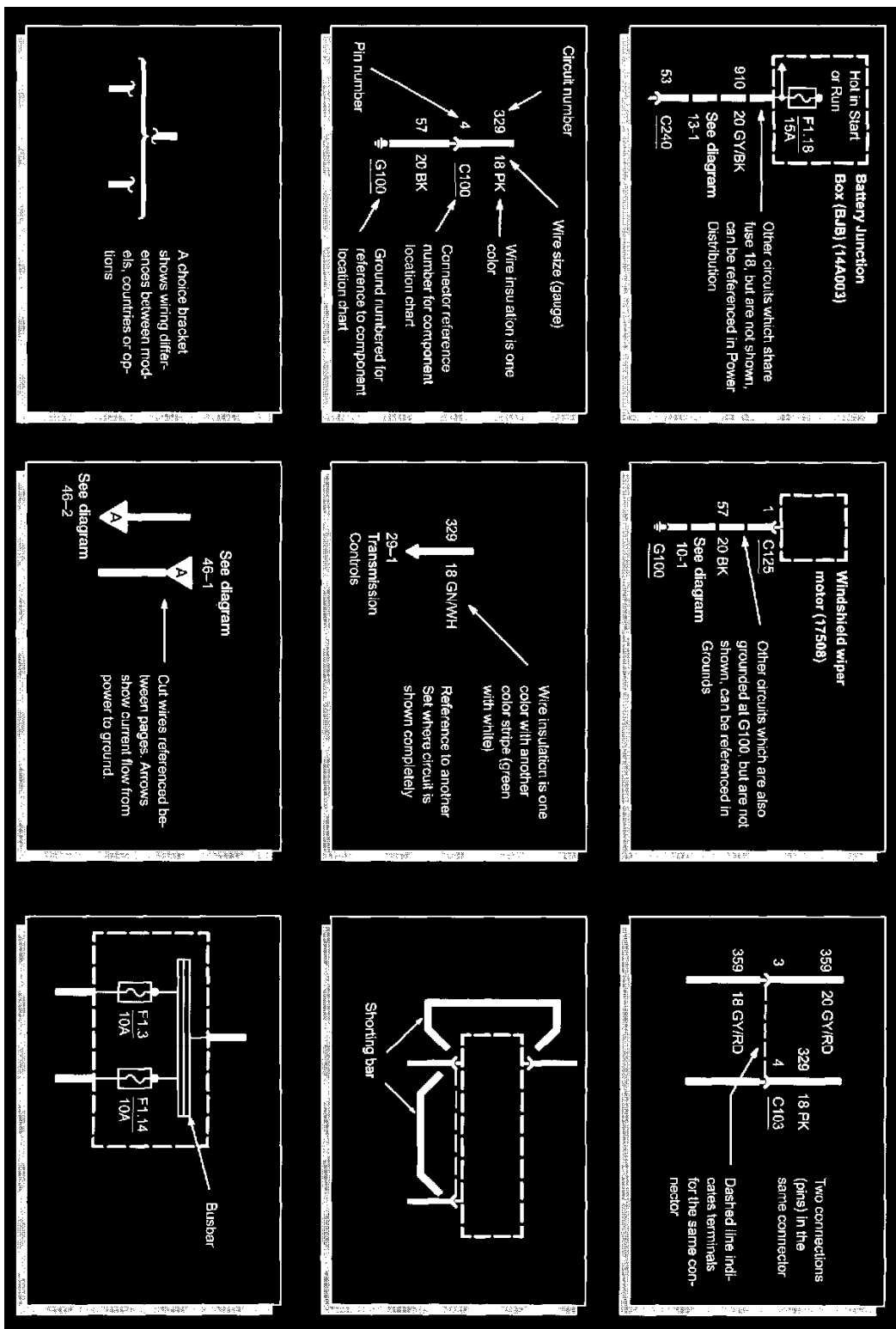


Symbols Part 1

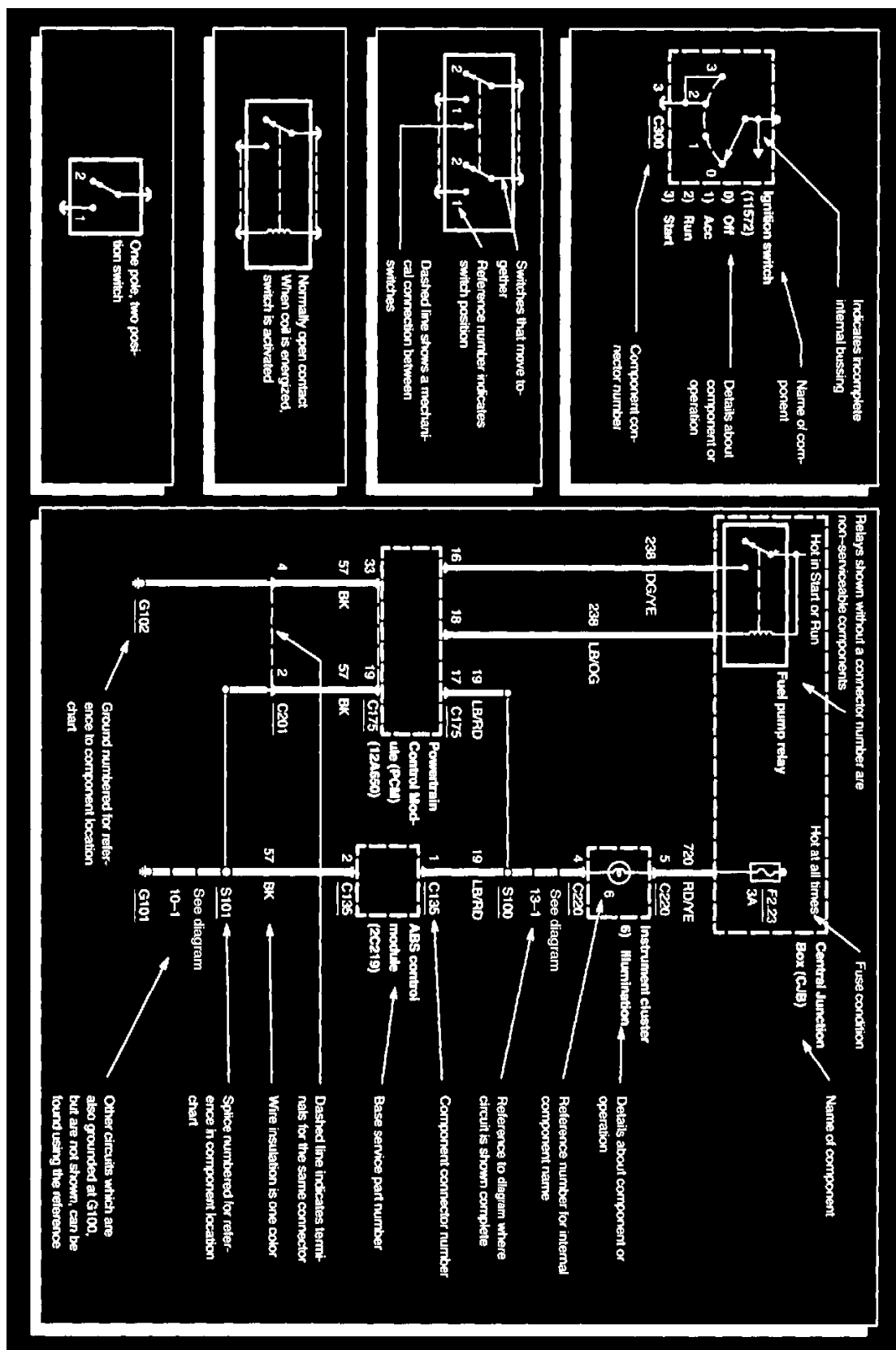


Symbols Part 2

Figure 1 consists of two parts. The top part is a block diagram of the test system, showing a sequence of components: VREF (Reference voltage), PMR (Switched power), VBATT (Battery voltage), VPMR (Switched or module voltage), SCP+ (Standard Corporate Protocol (SCP) data +), SCP- (Standard Corporate Protocol (SCP) data -), and ISO (Data bus ISO 9141 (K-line)). Below this, a signal path is shown with labels: signal, signal, signal, Signal return, Signal return, Signal return, Switched ground, and Ground. The bottom part is a detailed schematic of the joint connector, showing a connector with pins 1 through 4. Pin 1 is labeled C120, pin 2 is C120, pin 3 is C200, and pin 4 is C200. A jumper is shown connecting pins 3 and 4. The connector is labeled 'Joint connector'.



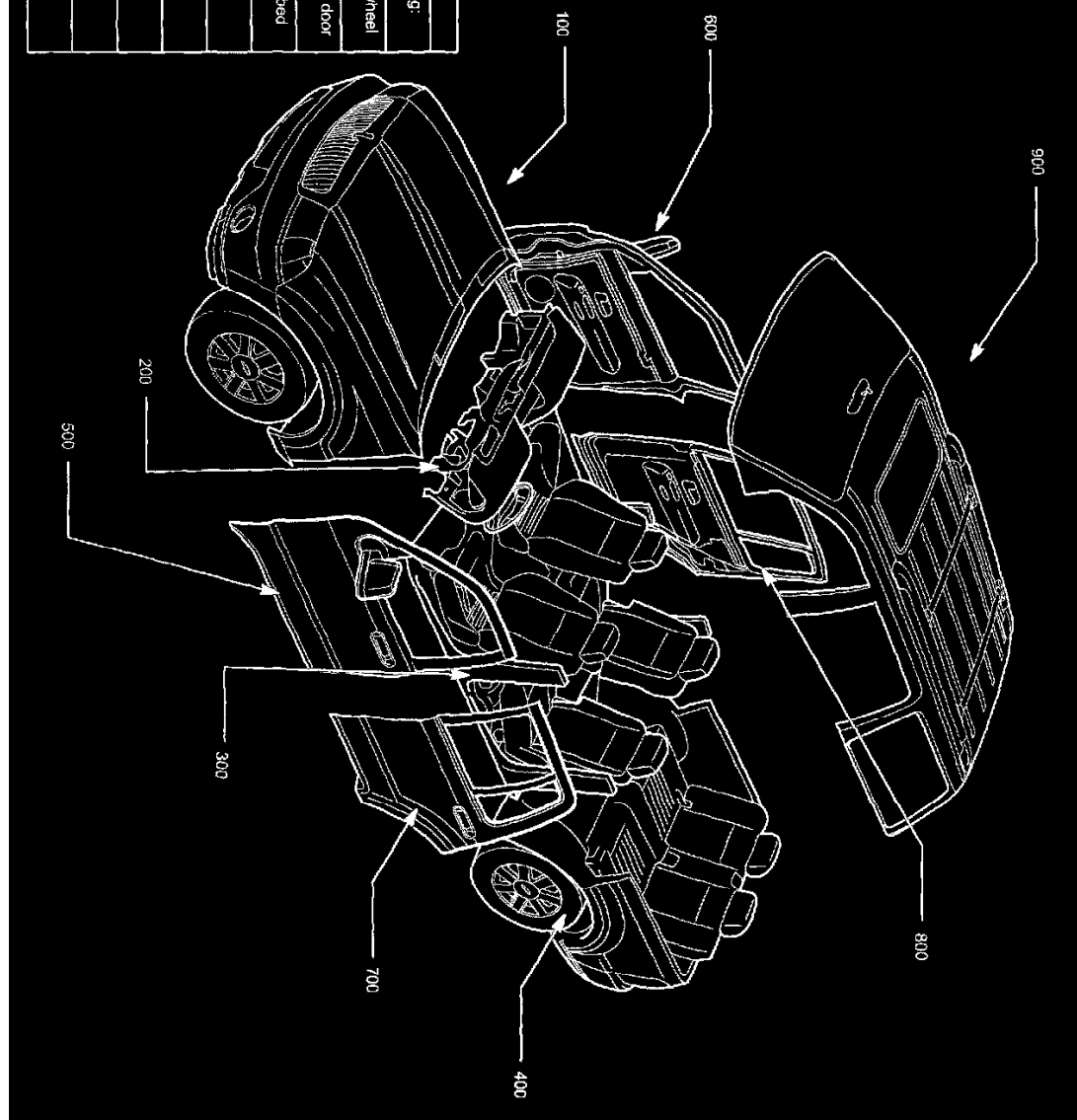
Symbols Part 4



Symbols Part 5

The first digit of every connector, ground, and splice number used in this publication references its location within the vehicle.
The chart below describes the different sections of the vehicle, and lists the number associated with each.

Number	Location
100	Engine compartment, Powertrain (including axle/differential/transmission)
200	Instrument Panel and Console, Steering wheel assembly
300	Front instrument panel to rear seat, below door trim panel
400	behind rear seats, to rear bumper, Truck bed
500	driver door
600	passenger door, front
700	passenger door, left rear
800	passenger door, right rear
900	Above door trim panel and headliner



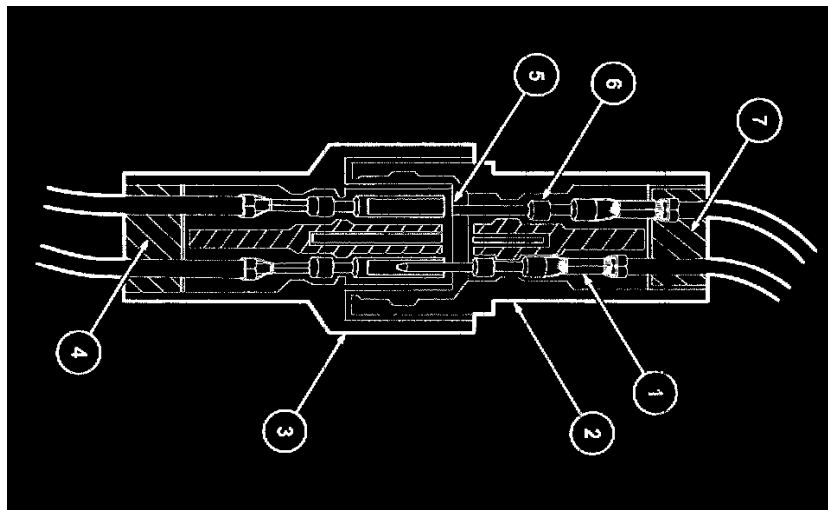
Symbols Part 6

Diagnostic Aids

Troubleshooting wiring harness and connector hidden concerns

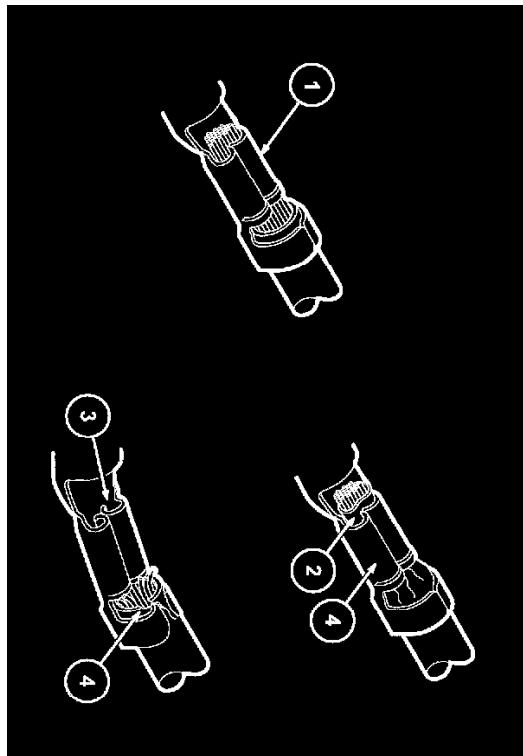
The illustrations are known examples of wiring harness splices and connectors that will create intermittent electrical concerns. The concerns are hidden and can only be discovered by a physical evaluation as shown in each illustration.

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.

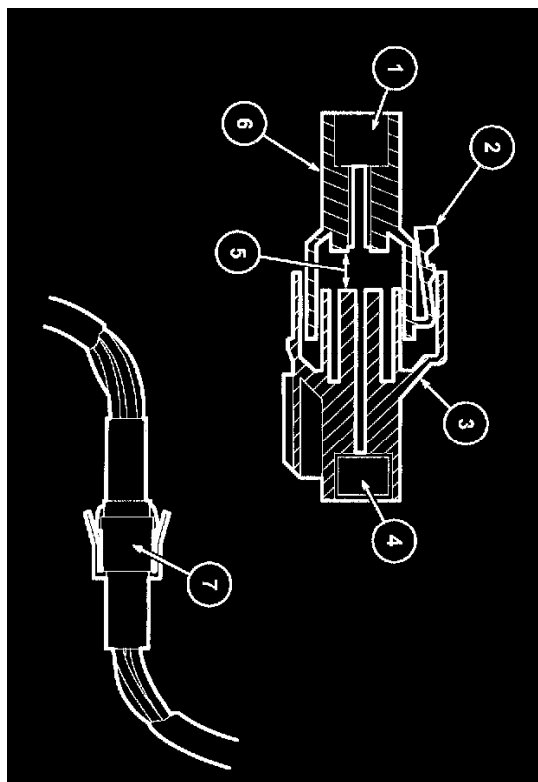
**Terminal not properly seated**

- 1 = Locked terminal
- 2 = Male half
- 3 = Female half
- 4 = Seal
- 5 = Intermittent contact
- 6 = unlocked terminal (Hidden by wire seal)
- 7 = Seal

Check for unlocked terminals by pulling each wire at the end of the connector.

**Defective insulation stripping**

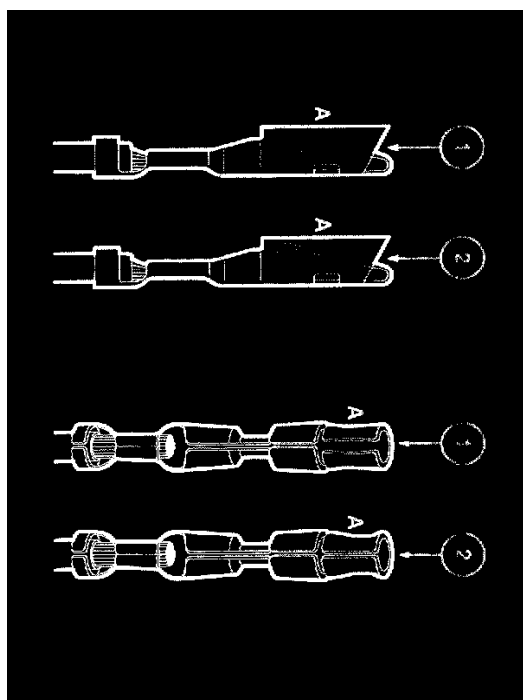
- 1 = Proper crimp
- 2 = Insulation not removed
- 3 = Wire strands missing
- 4 = Intermittent signals through pierced insulation



Partially mated connectors

- 1 = Seal
- 2 = Displaced tab
- 3 = Female half
- 4 = Seat
- 5 = Intermittent contact
- 6 = Male half
- 7 = Intermittent contact

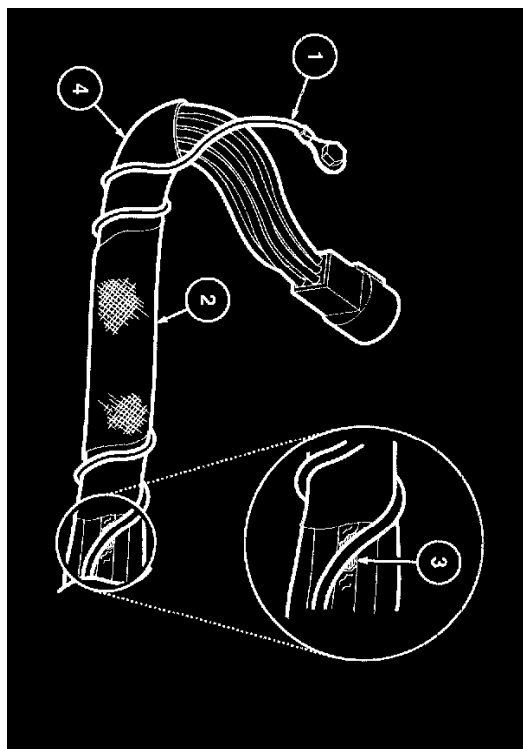
Lock may be displaced into an unlocked position; pull on the connector to verify the lock.



Deformed (enlarged) female terminals

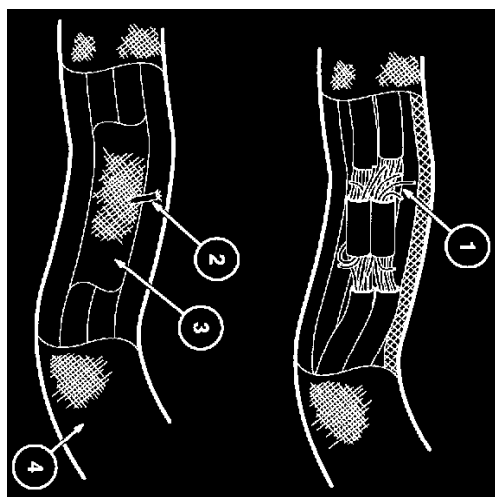
- 1 = Enlarged
- 2 = Normal

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.



Electrical short inside the harness

- 1 = Solder coated wire to ground
- 2 = Harness protective tape.
- 3 = Intermittent short (solder coated wire pierced through the insulation of another circuit)
- 4 = Grounding foil



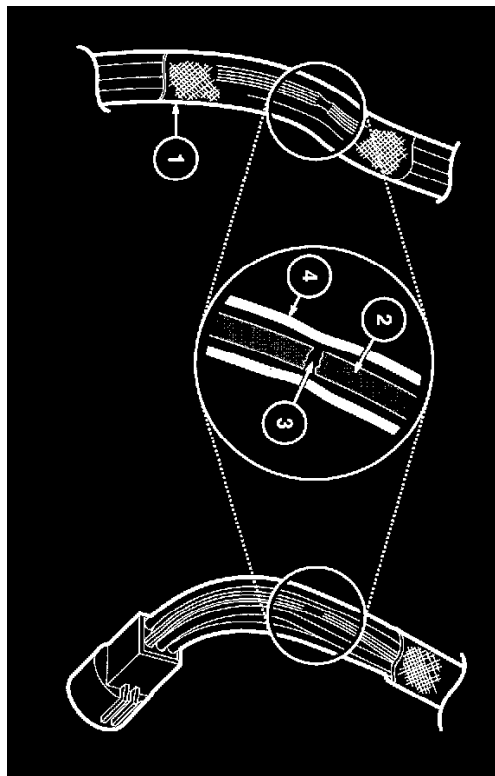
Electrical short within the harness

Splice tape removed

- 1 = Intermittent short

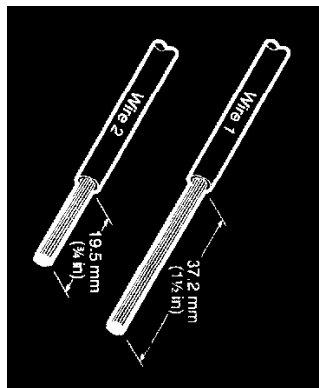
Splice covered

- 2 = Wire strand
- 3 = Splice tape
- 4 = Harness tape

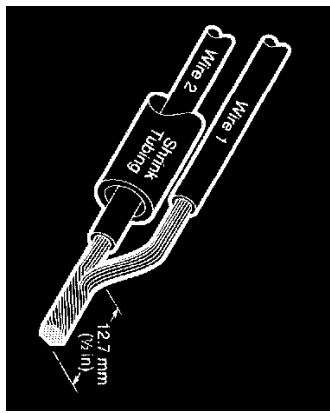
**Broken wire strands in harness**

- 1 = Wiring harness tape
- 2 = Wiring strand
- 3 = Broken strands intermittent signal
- 4 = Circuit insulation

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

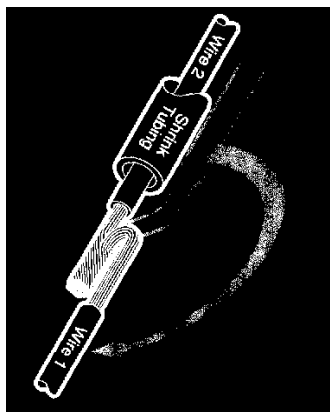
Recommended splicing method - Solder (For 16 AWG and Smaller Diameter Wire Only)

1. Disconnect battery ground cable.
2. Strip wires to appropriate length.



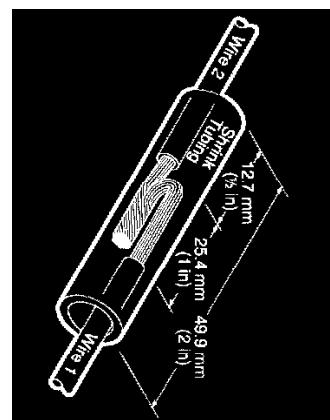
3. Install heat shrink tubing.
4. Twist wires together.
5. Solder wires together.

NOTE: Use rosin core mildly-activated (RMA) solder. Do not use acid core solder.



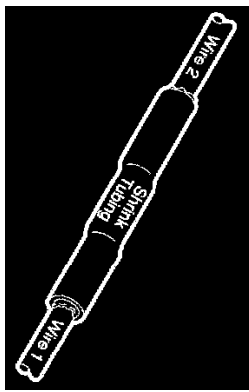
6. Bend wire 1 back in a straight line.

NOTE: Wait for solder to cool before moving wires.



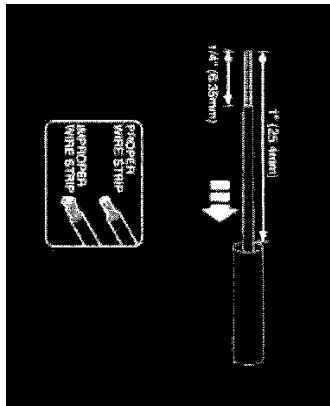
7. Evenly position heat shrink tubing over wire repair.

NOTE: Overlap tubing on both wires.

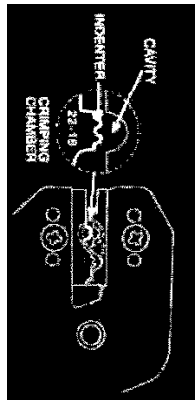


8. Use heat gun to heat the repaired area until adhesive flows out of both ends of heat shrink tubing.
9. Reconnect battery ground cable.

Recommended splicing method - Crimp (For 10-22 AWG Diameter Wire)

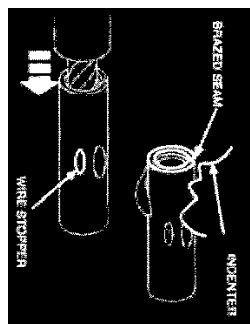


1. Disconnect battery ground cable.
2. Strip **1/4" (6.35mm)** of insulation from each wire end, taking care not to nick or cut wire strands.
3. Install heat shrink tubing.

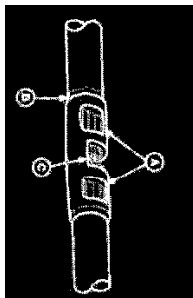


4. Select appropriate wire splice for the wires to be spliced.
5. Identify the appropriate crimping chamber on the Rotunda 164-R5901 Pro-Crimper by matching the wire size on the dies with the wire size stamped on the butt splice.

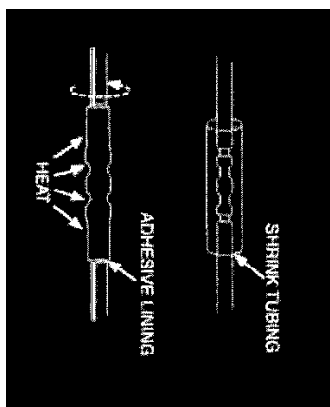
NOTE: Rotunda 164-R5901 Pro-Crimper is the only tool that can be used with these splices.



6. Center one end of the wire splice in the appropriate crimping chamber.
7. Insert stripped wire into the barrel.
8. Holding the wire in place, squeeze tool handles until ratchet releases.
9. Repeating steps 4-7, crimp the other half of the splice.



10. Check for acceptable crimp.
 - a. Crimp should be centered on each end of the butt splice.
 - b. Wire insulation does not enter butt splice.
 - c. Wire is visible through inspection hole of splices.

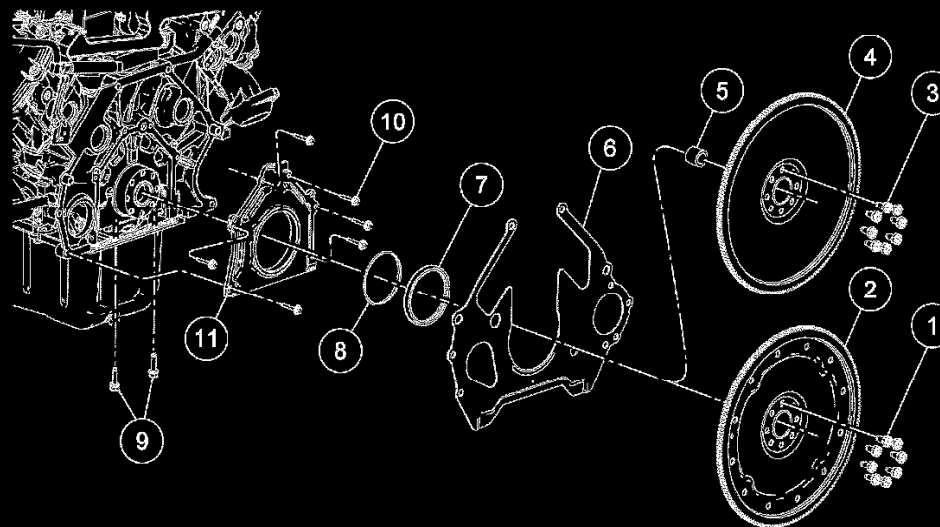


11. Evenly position supplied heat shrink tubing over wire repair.
12. Use heat gun to heat the repaired area until adhesive flows out of both ends of the heat shrink tubing.
13. Reconnect battery ground cable.

Crankshaft Main Bearing Seal

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Flexplate or Flywheel and Crankshaft Rear Seal — Exploded View



N0018801

Item	Description
1	Flexplate bolt (8 required)
2	Flexplate
3	Flywheel bolt (8 required)
4	Flywheel
5	Transmission input pilot bearing
6	Rear cover plate
7	Crankshaft oil slinger

(Continued)

Item	Description
8	Crankshaft rear seal
9	Oil pan bolts (2 required)
10	Crankshaft rear seal retainer plate bolt (6 required)
11	Crankshaft rear seal retainer plate

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Rear Drive Axle/Differential - Dana 80

Dana Model 80, Full-Floating Rear Axle, Disassembled View

N0030684

Dana Model 80, Full-Floating Rear Axle, Disassembled View (Part 1)

Item	Description
1	Bolt
2	Axle shaft
3	Rear wheel gasket
4	Rear brake anti-lock sensor
5	Drive pinion bearing preload shim
6	Pinion bearing, outer
7	Pinion seal
8	Pinion flange
9	Washer
10	Lock nut
11	Oil slinger
12	Pinion bearing cup, outer
13	Differential housing
14	Pinion bearing cup, inner
15	Pinion bearing, inner
16	Drive pinion position shim
17	Pinion (matched set)
18	Differential ring gear (matched set)
19	Identification tag
20	Fill plug
21	Differential housing cover
22	Cover bolt
23	Brake line clip
24	Bearing cap bolt
25	Bearing cap
26	Differential bearing cup
27	Outboard spacer
28	Differential bearing
29	Differential pinion shaft
30	Differential pinion thrust washer
31	Differential side gear thrust washer
32	Differential side gear
33	Differential pinion gear

Continued

Item	Description
34	Differential bearing shim (preload/backlash)
35	Rear axle differential ring gear bolt
36	Differential case (conventional)
37	Differential case Trac-Lok®
38	Anti-lock speed sensor ring
39	Differential pinion shaft lock pin
40	Differential assembly Truetrac® (The Truetrac® differential is a non-repairable unit)

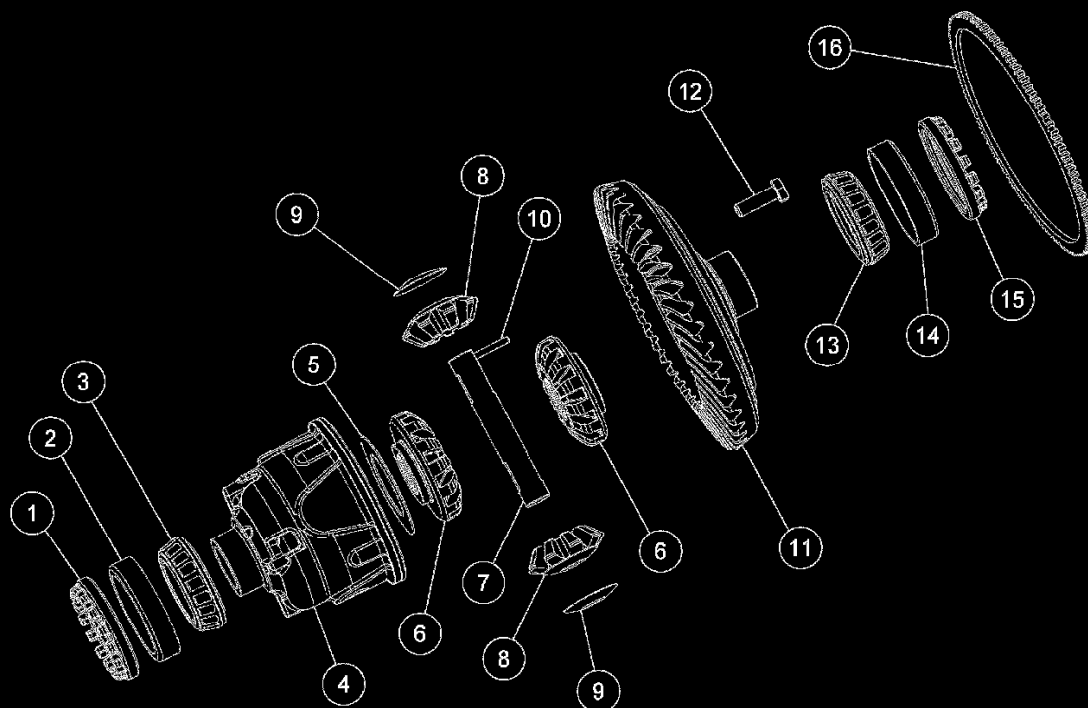
Dana Model 80, Full-Floating Rear Axle, Disassembled View (Part 2)

NOTE: Unless noted, the procedures apply to the conventional differential, Trac-Lok(R) differential and Truetrac differential, though most of the illustrations used in the procedures show the conventional differential.

Rear Drive Axle/Differential - Dana S110 and S130

Rear Drive Axle/Differential - Dana S110 and S130

Dana Model S110 Conventional Wheel Differential Assembly, Disassembled View



N0030821

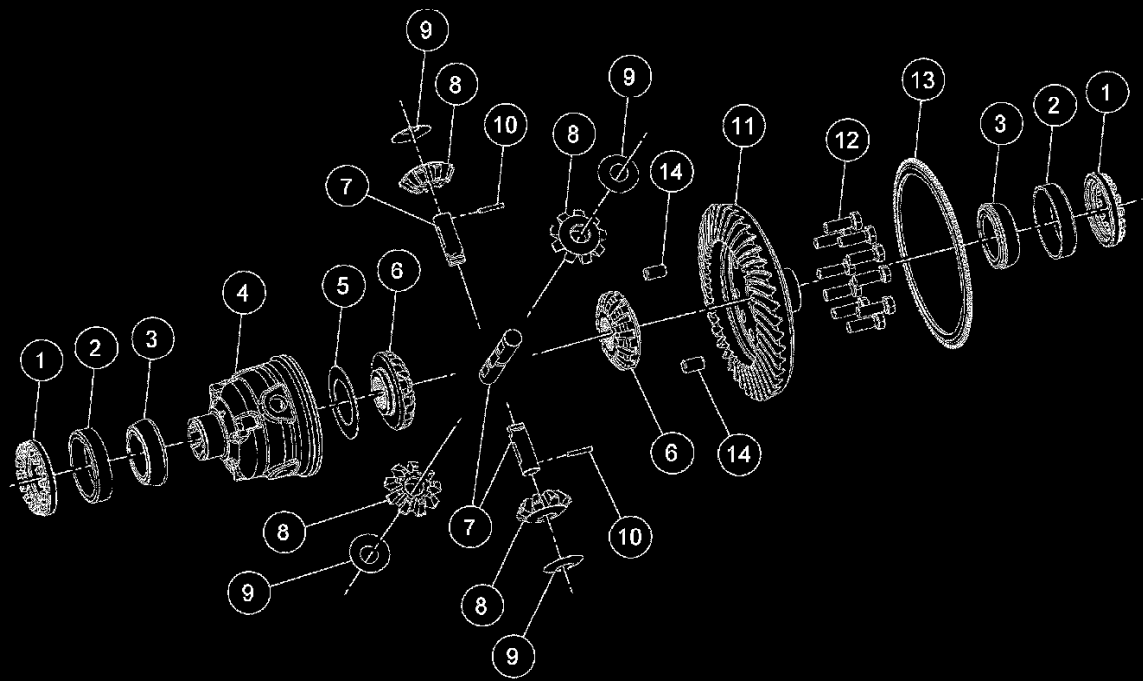
Item	Description
1	Differential bearing adjusting ring
2	Differential side bearing cup
3	Differential side bearing cone
4	Differential case (conventional differential)
5	Differential side gear thrust washer
6	Differential side gear (conventional differential)
7	Differential pinion shaft
8	Differential pinion gear

(Continued)

Item	Description
9	Differential pinion thrust washer
10	Differential pinion shaft pin (conventional differential)
11	Differential ring gear
12	Differential ring gear bolt
13	Differential side bearing cone
14	Differential side bearing cup
15	Differential bearing adjusting ring
16	Anti-lock speed sensor ring

Dana Model S110 Conventional Wheel Differential Assembly, Disassembled View

Dana Model S130 Conventional Wheel Differential Assembly, Disassembled View



N0044005

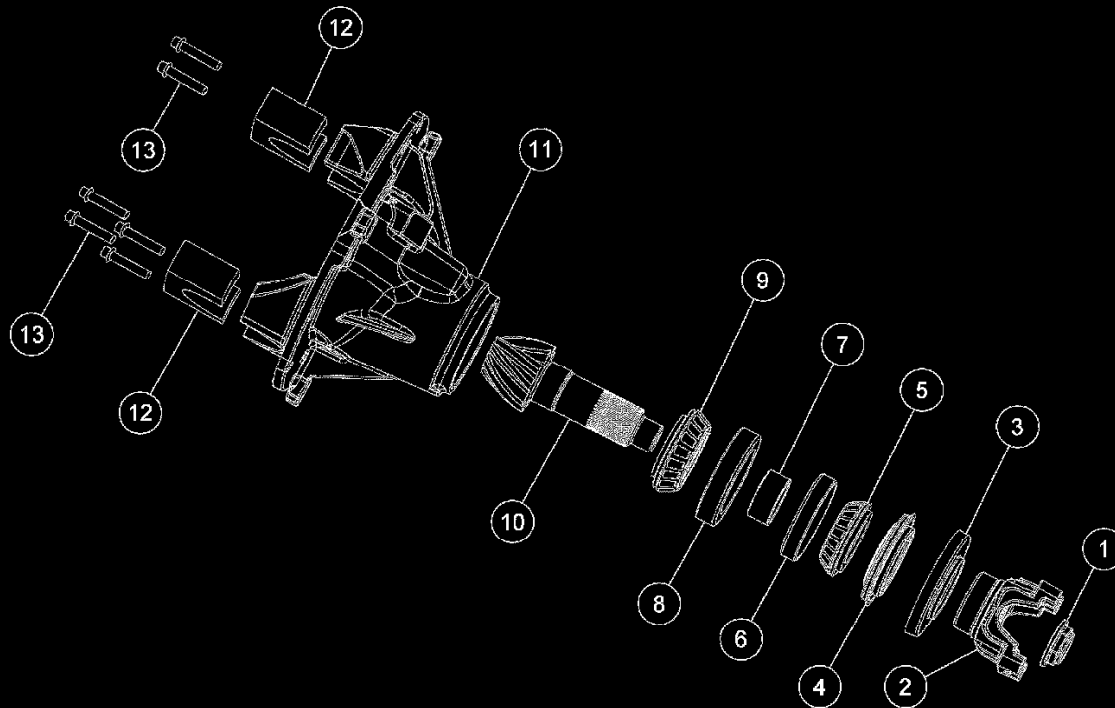
Item	Description
1	Differential bearing adjusting ring
2	Differential side bearing cup
3	Differential side bearing cone
4	Differential case
5	Differential side gear thrust washer
6	Differential side gear
7	Differential pinion shafts

(Continued)

Item	Description
8	Differential pinion gears
9	Differential pinion thrust washer
10	Differential pinion shaft pins
11	Differential ring gear
12	Differential ring gear bolts
13	Anti-lock speed sensor ring
14	Locating dowels

Dana Model S130 Conventional Wheel Differential Assembly, Disassembled View

Dana S110 and S130 Rear Axle Pinion Assembly, Disassembled View



N0030822

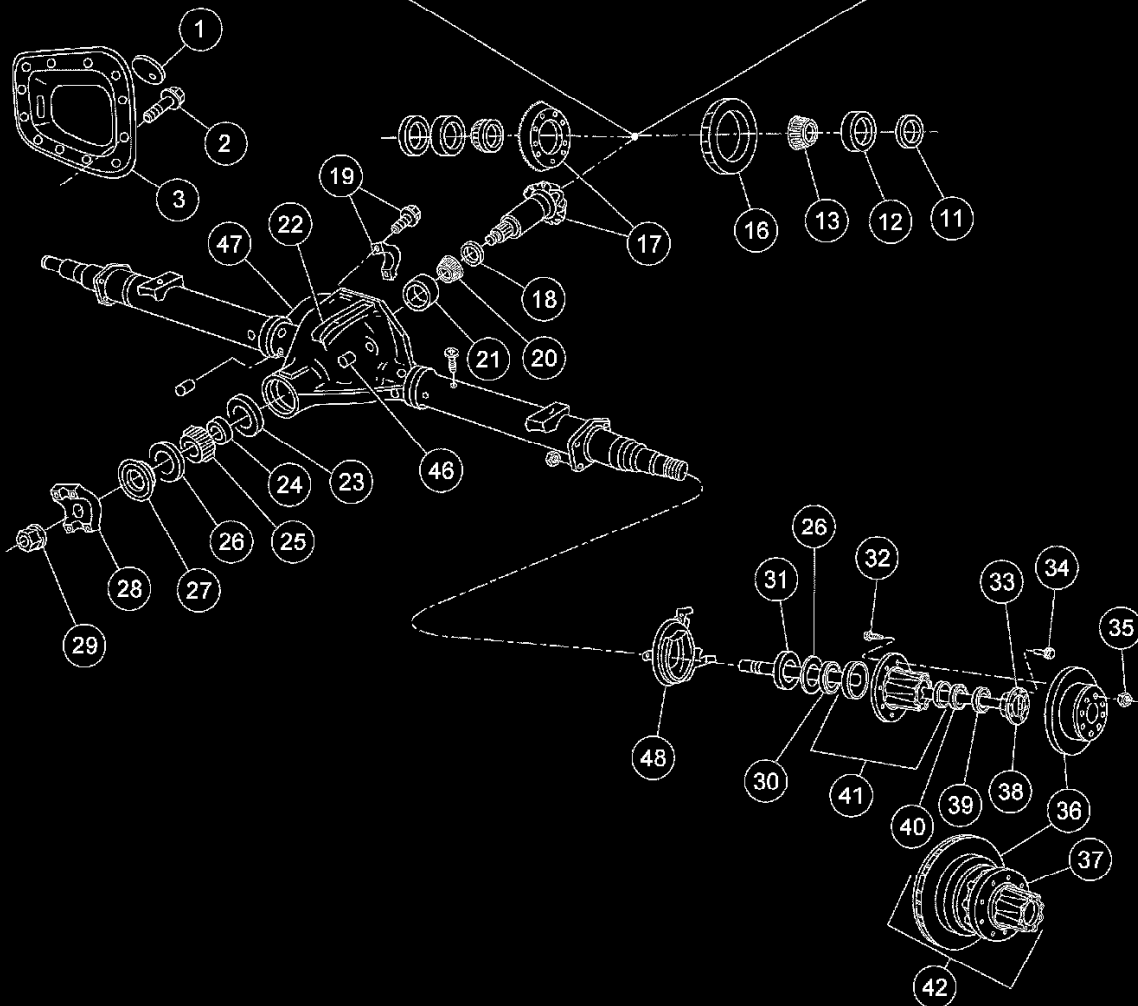
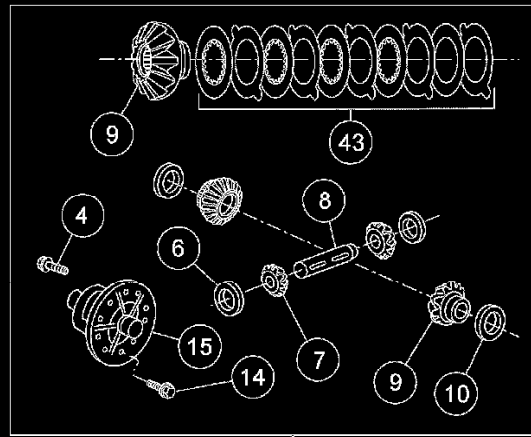
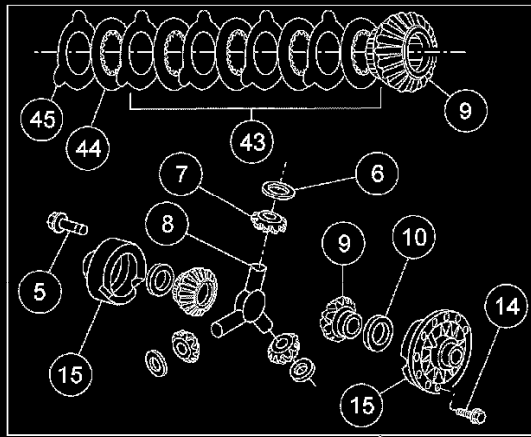
Item	Description
1	Pinion hex nut
2	Pinion yoke
3	Pinion oil seal slinger
4	Pinion oil seal
5	Outer pinion bearing
6	Outer pinion bearing cup
7	Pinion preload spacer (selective)
8	Inner pinion bearing cup
9	Inner pinion bearing
10	Rear axle drive pinion
11	Carrier housing
12	Differential bearing caps
13	Differential bearing cap bolts

Dana S110 and S130 Rear Axle Pinion Assembly, Disassembled View

Rear Drive Axle/Differential - Ford 10.50-Inch Ring Gear

Rear Drive Axle and Differential

Rear Axle — 10.50-Inch Ring Gear, Traction-Lok®



N0030747

Rear Axle - 10.50-Inch Ring Gear, Traction-Lok(R) (Part 1)

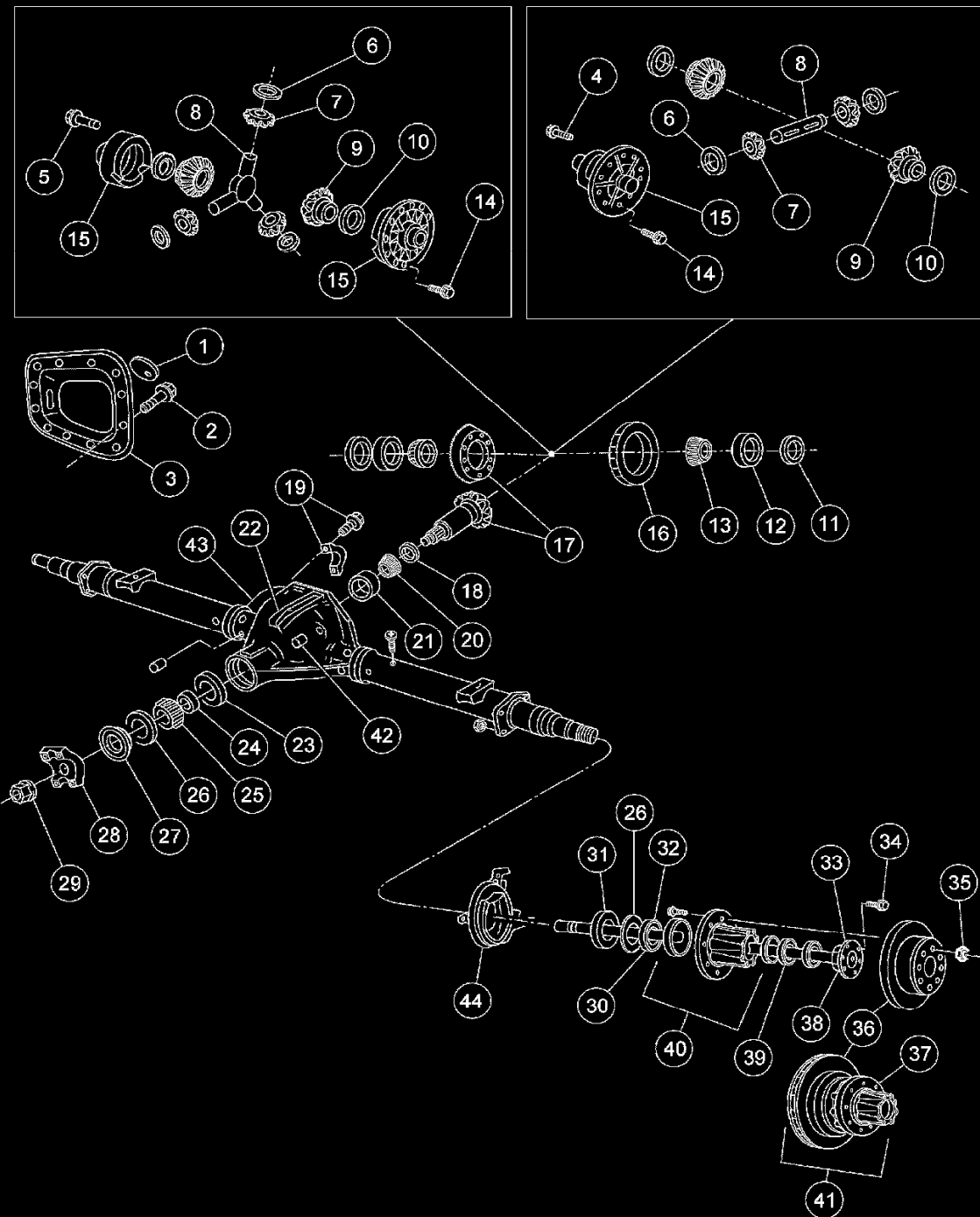
Item	Description
1	Rear axle identification tag
2	Differential housing cover bolt
3	Differential housing cover
4	Differential pinion shaft lock bolt
5	Differential case bolt
6	Differential pinion thrust washer
7	Differential pinion gear
8	Differential pinion shaft
9	Differential side gear
10	Differential side gear thrust washer
11	Differential bearing shim
12	Differential bearing cup
13	Differential bearing
14	Ring gear bolt
15	Differential case
16	Anti-lock speed sensor ring
17	Ring gear and pinion
18	Drive pinion bearing adjustment shim
19	Bearing cap and bolt
20	Pinion bearing (inner)
21	Inner axle pinion bearing cup
22	RABS sensor
23	Outer pinion bearing cup
24	Collapsible spacer

(Continued)

Item	Description
25	Pinion bearing (outer)
26	Rear axle drive pinion shaft oil slinger
27	Rear axle drive pinion seal
28	Pinion flange
29	Pinion nut
30	Rear wheel bearing inner cone and roller
31	Wheel bearing oil seal
32	Lug bolt
33	Axle shaft
34	Axle shaft nut
35	Lug nut
36	Rear disc brake rotor
37	Rear hub
38	Gasket
39	Bearing
40	Hub and bearing cup
41	Rear brake hub and drum (SRW only)
42	Rear brake hub and drum (DRW only)
43	Differential clutch pack
44	Rear axle differential clutch shim
45	Differential clutch spring
46	Filler plug
47	Rear axle housing
48	Brake adapter plate

Rear Axle - 10.50-Inch Ring Gear, Traction-Lok(R) (Part 2)

Rear Axle — 10.50-Inch Ring Gear, Conventional



N0030748

Rear Axle - 10.50-Inch Ring Gear, Conventional (Part 1)

Item	Description
1	Rear axle identification tag (part of 4001)
2	Differential housing cover bolt
3	Differential housing cover
4	Differential pinion shaft lock bolt
5	Differential case bolt
6	Differential pinion thrust washer
7	Differential pinion gear
8	Differential pinion shaft
9	Differential side gear
10	Differential side gear thrust washer
11	Differential bearing shim
12	Differential bearing cup
13	Differential bearing
14	Ring gear bolt
15	Differential case
16	Anti-lock speed sensor ring
17	Ring gear and pinion
18	Drive pinion bearing adjustment shim
19	Bearing cap and bolt (part of 4010)
20	Pinion bearing (inner)
21	Inner axle pinion bearing cup
22	RABS sensor
23	Outer pinion bearing cup
24	Collapsible spacer
25	Pinion bearing (outer)
26	Rear axle drive pinion shaft oil slinger
27	Rear axle drive pinion seal
28	Pinion flange
29	Pinion nut
30	Rear wheel bearing inner cone and roller
31	Wheel bearing oil seal
32	Lug bolt
33	Axle shaft
34	Axle shaft nut
35	Lug nut
36	Rear disc brake rotor

(Continued)

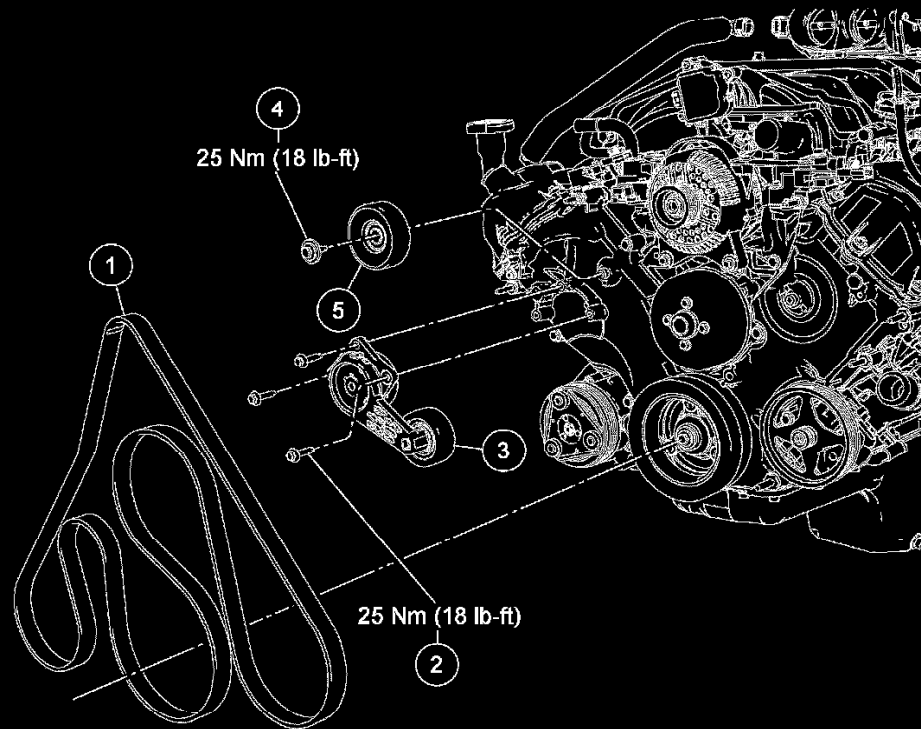
Item	Description
37	Rear hub
38	Gasket
39	Bearing
40	Hub and bearing cup
41	Rear brake hub and drum (DRW only)
42	Filler plug
43	Rear axle housing
44	Brake adapter plate

Rear Axle - 10.50-Inch Ring Gear, Conventional (Part 2)

Drive Belt Tensioner

Front End Accessory Drive (FEAD) Exploded View

Front End Accessory Drive (FEAD) Exploded View — 5.4L, 6.8L



N0010006

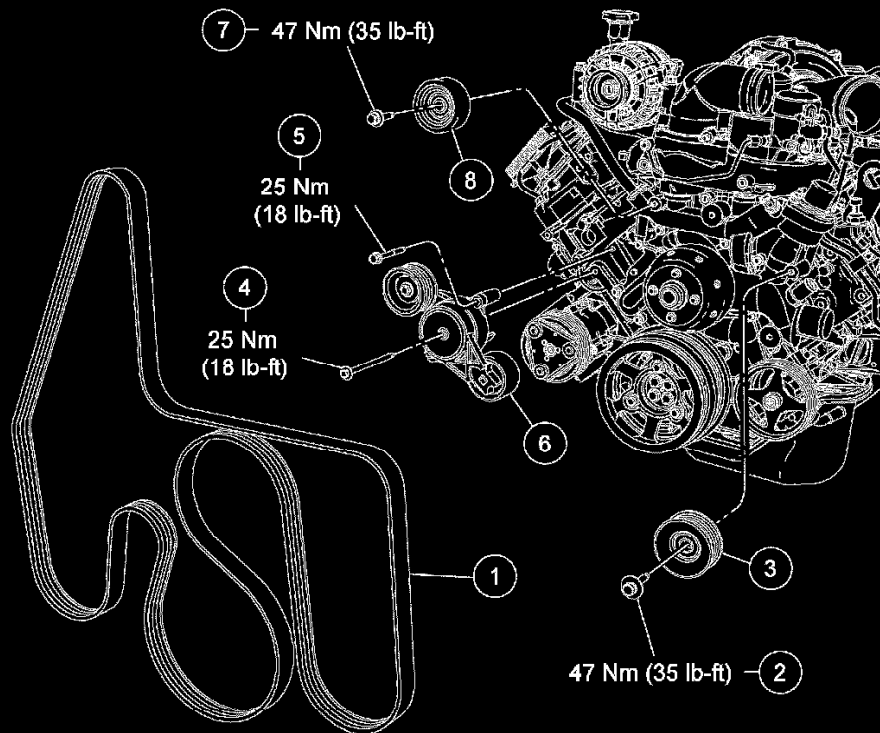
Item	Description
1	Accessory drive belt
2	Belt tensioner bolts (3 required)
3	Belt tensioner

(Continued)

Item	Description
4	Idler pulley bolt
5	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 5.4L 6.8L

Front End Accessory Drive (FEAD) Exploded View — 6.0L Diesel



N0010007

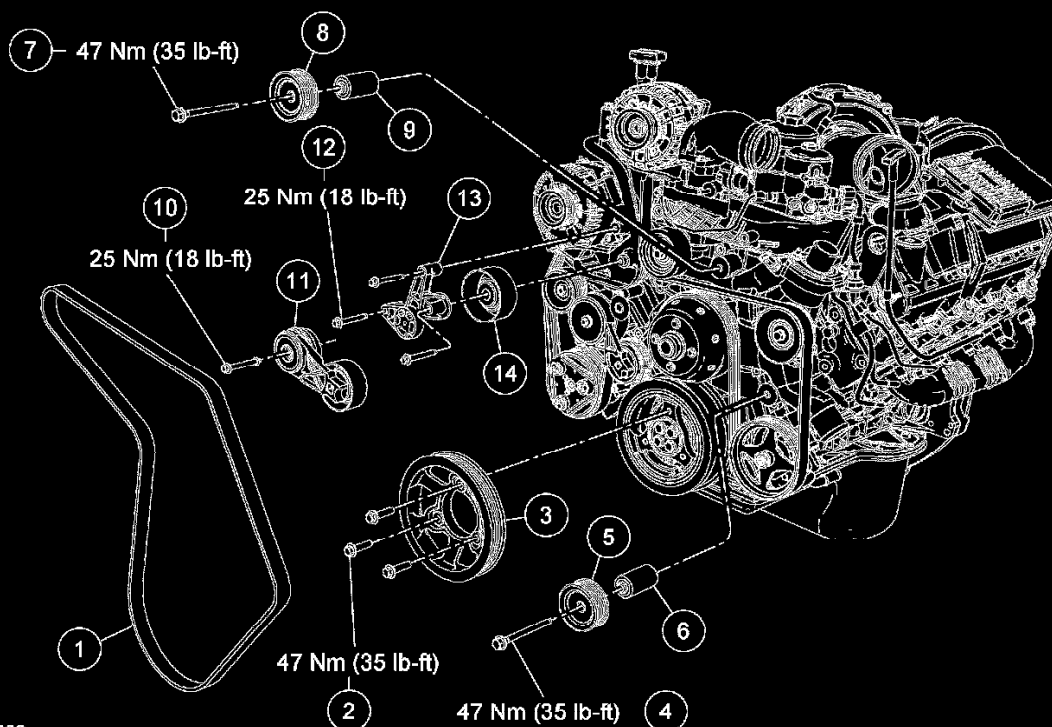
Item	Description
1	Accessory drive belt
2	Idler pulley bolt
3	Idler pulley, grooved
4	Belt tensioner bolt

(Continued)

Item	Description
5	Belt tensioner bolt
6	Belt tensioner assembly
7	Idler pulley bolt
8	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 6.0L Diesel

Front End Accessory Drive (FEAD) Exploded View — 6.0L Diesel With Dual Alternator



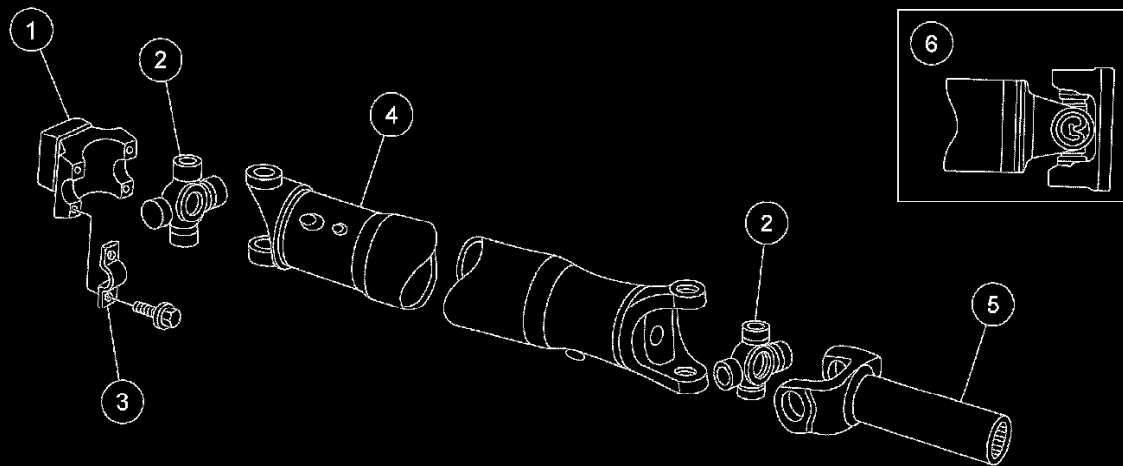
N0010008

Item	Description
1	Accessory drive belt
2	Crankshaft pulley bolts (3 required)
3	Crankshaft pulley
4	Idler pulley bolt
5	Idler pulley, grooved
6	Idler pulley spacer
7	Idler pulley bolt
8	Idler pulley, grooved

(Continued)

Item	Description
9	Idler pulley spacer
10	Belt tensioner bolt
11	Belt tensioner assembly
12	Drive belt tensioner bracket bolt (3 required)
13	Drive belt tensioner bracket
14	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 6.0L Diesel With Dual Alternator

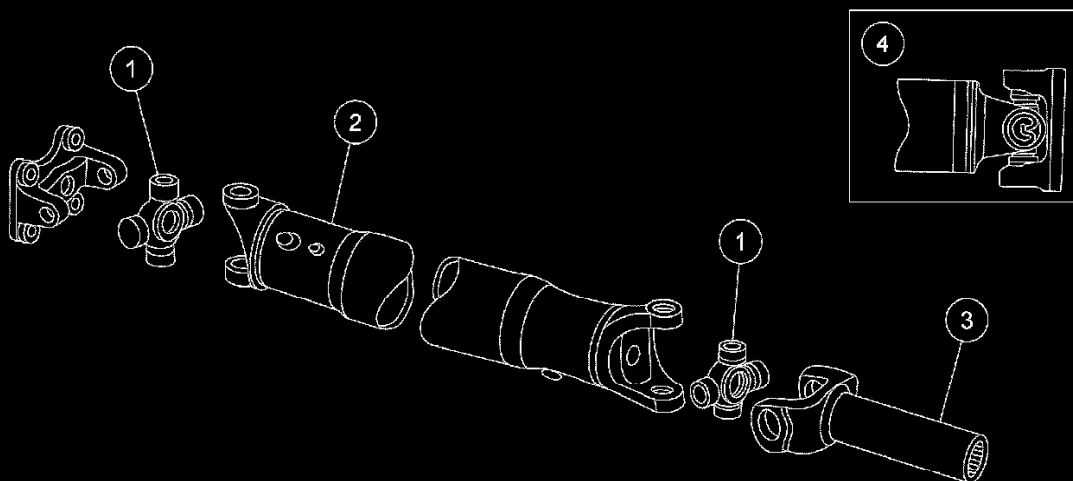
Driveshaft — Rear, One-Piece 4x2 with Split Pin Yoke

N0032366

Item	Description
1	Rear axle pinion flange
2	Universal joint (U-joint)
3	U-joint retainer
4	Driveshaft

(Continued)

Item	Description
5	Driveshaft slip yoke (automatic transmission)
6	Driveshaft yoke (manual transmission)

Driveshaft - Rear, One-Piece 4X2 With Split Pin Yoke**Driveshaft — Rear, One-Piece 4x2 with Circular Flange**

N0032367

Item	Description
1	Universal joint (U-joint)
2	Driveshaft

(Continued)

Item	Description
3	Driveshaft slip yoke (automatic transmission)

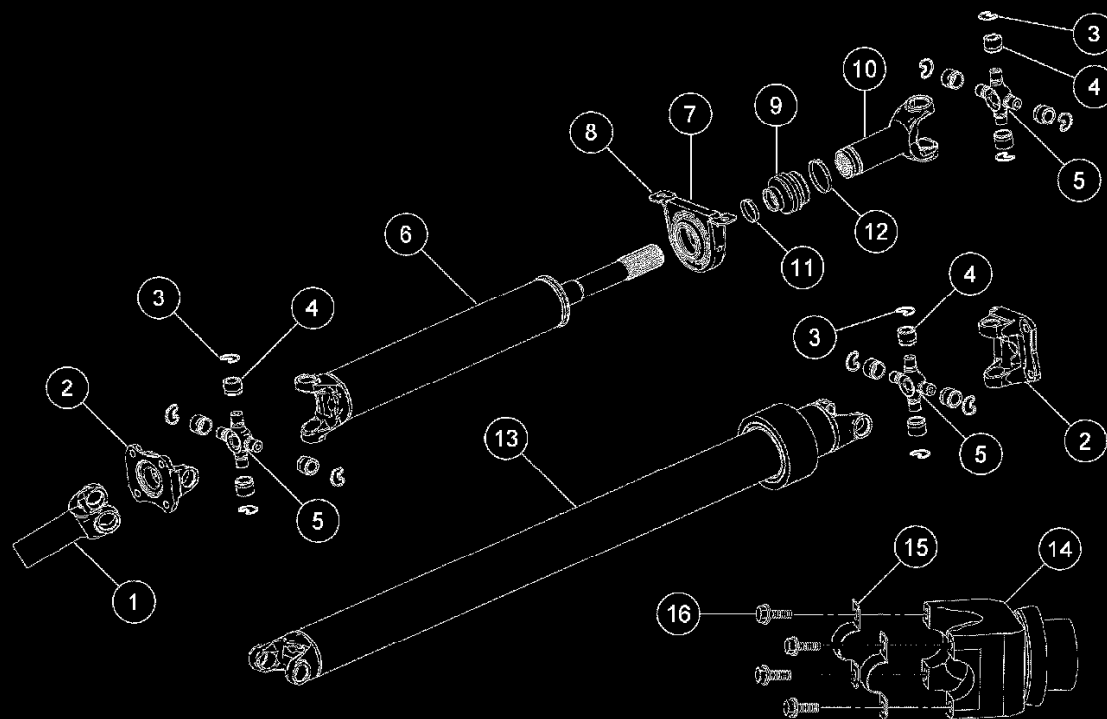
(Continued)

Driveshaft - Rear, One-Piece 4X2 With Circular Flange (Part 1)

Item	Description
4	Driveshaft yoke (manual transmission)

Driveshaft - Rear, One-Piece 4X2 With Circular Flange (Part 2)

Driveshaft — Rear, Two-Piece



A0056234

Item	Description
1	Driveshaft slip yoke
2	Driveshaft circular flange yoke
3	Snap ring
4	Bearing cap
5	Spider
6	Driveshaft assembly
7	Center bearing and insulator
8	Driveshaft center bearing bracket

Item	Description
9	Driveshaft slip yoke boot
10	Driveshaft slip yoke
11	Driveshaft slip yoke boot clamp (small)
12	Driveshaft slip yoke boot clamp (large)
13	Driveshaft assembly
14	Pinion flange
15	Bearing strap
16	Bearing strap bolt

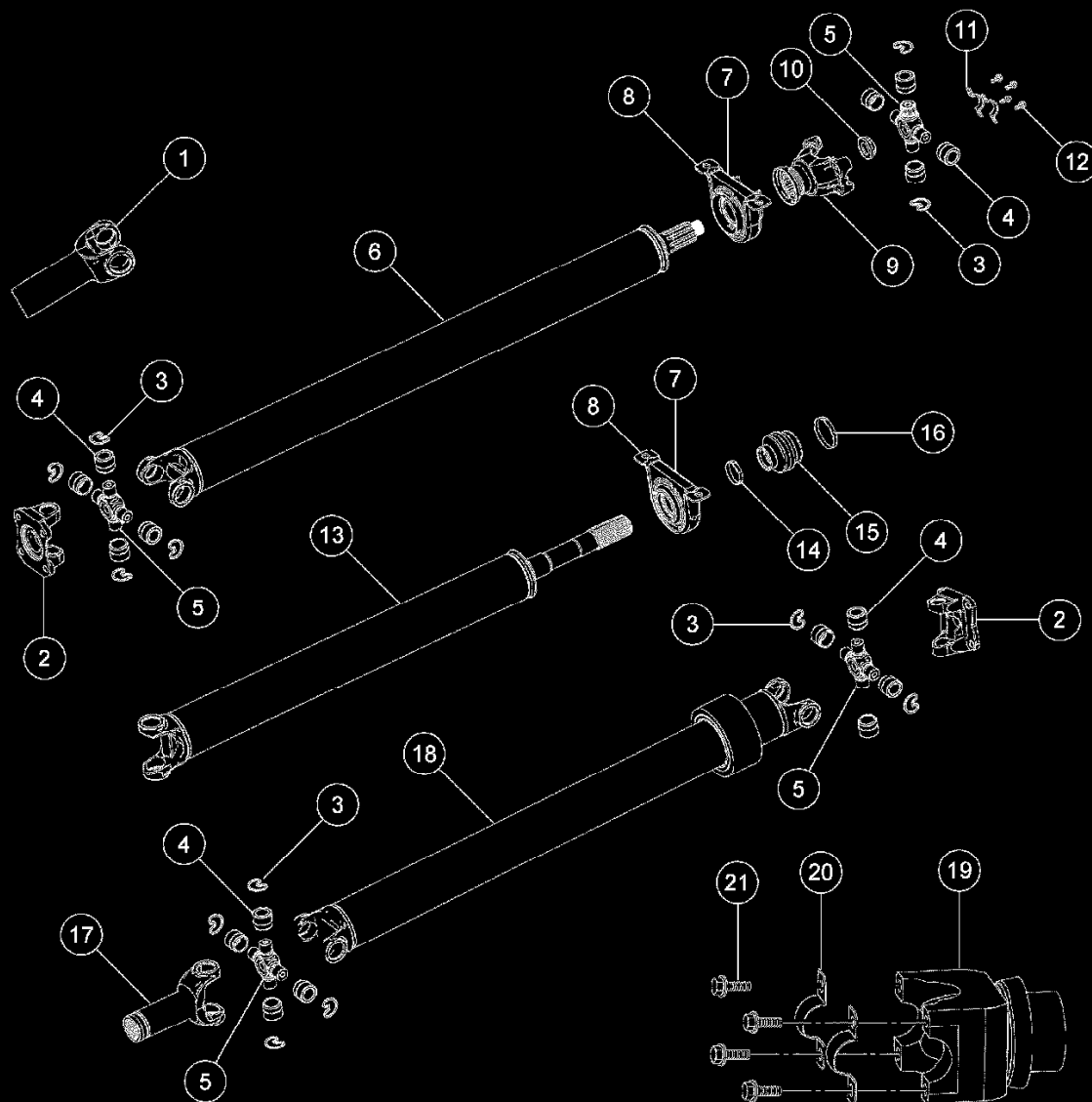
(Continued)

Driveshaft - Rear, Two-Piece

Driveshaft - Rear, Three-Piece

Driveshaft - Rear, Three-Piece

Driveshaft — Rear, Three-Piece



A0056235

Item	Description
1	Driveshaft slip yoke
2	Driveshaft circular flange yoke
3	Snap ring
4	Bearing cup
5	Spider
6	Driveshaft (front)
7	Center bearing and isolator

(Continued)

Item	Description
8	Driveshaft center bearing bracket
9	Driveshaft yoke
10	Nut
11	Bearing strap
12	Bearing strap bolt
13	Driveshaft assembly
14	Driveshaft slip yoke boot clamp (small)

(Continued)

Driveshaft - Rear, Three-Piece (Part 1)

Item	Description	Item	Description
15	Driveshaft slip yoke boot	20	Bearing strap
16	Driveshaft slip yoke boot clamp (large)	21	Bearing strap bolt
17	Driveshaft slip yoke		
18	Driveshaft (rear)		
19	Pinion yoke		

(Continued)

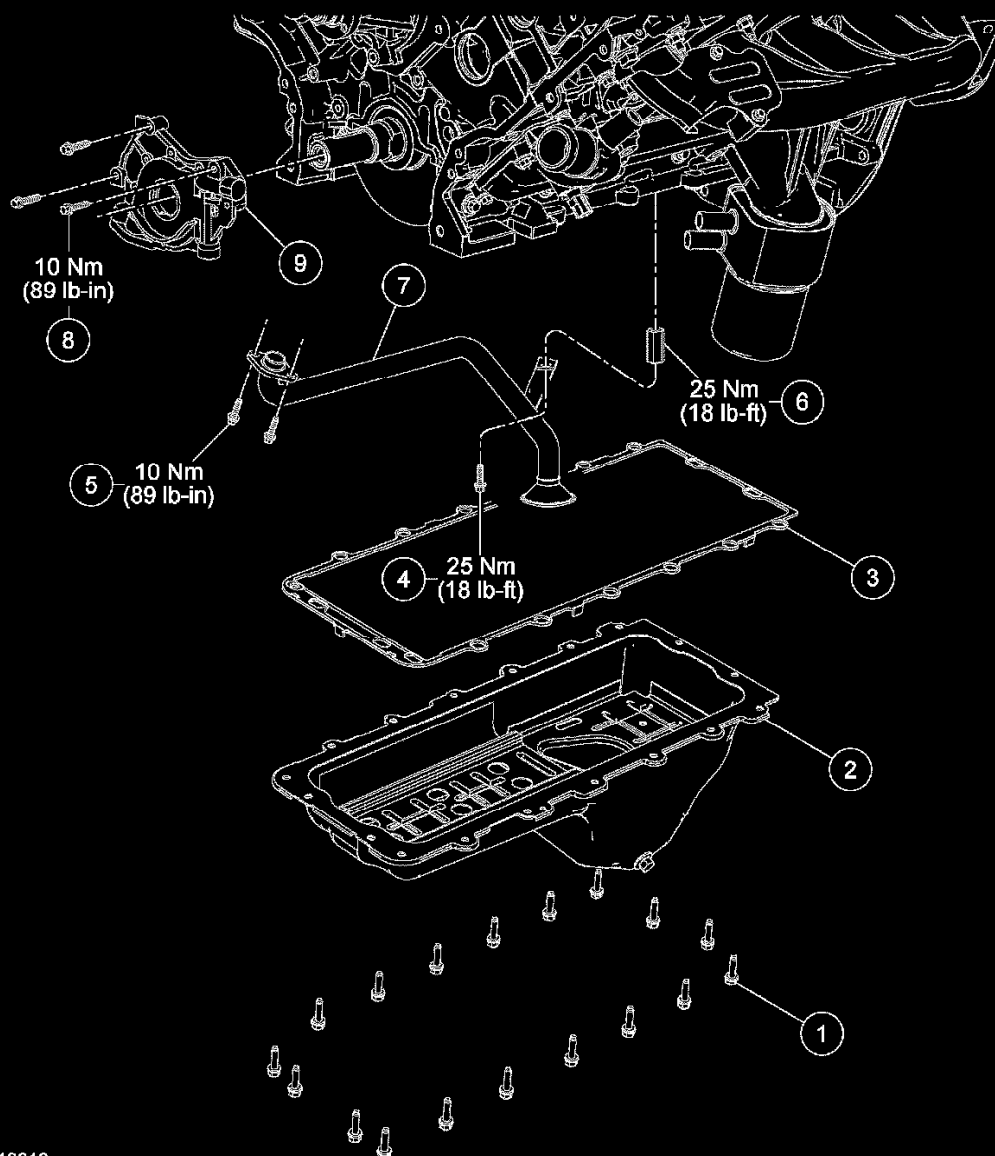
Driveshaft - Rear, Three-Piece (Part 2)

1. Driveshafts differ in length, diameter, material, number of pieces and the type of slip yokes to accommodate various wheel base and powertrain combinations.

Engine Lubrication

Engine Lubrication Components Exploded View

Engine Lubrication Components — Exploded View



N0013610

Item	Description
1	Oil pan bolt (18 required)
2	Oil pan
3	Oil pan gasket
4	Oil pump screen and pickup tube-to-spacer bolt

(Continued)

Item	Description
5	Oil pump screen and pickup tube-to-oil pump bolt (2 required)
6	Oil pump screen and pickup tube spacer

(Continued)

Engine Lubrication Components Exploded View

Item	Description
7	Oil pump screen and pickup tube
8	Oil pump bolt (3 required)
9	Oil pump

Engine Lubrication Components Exploded View

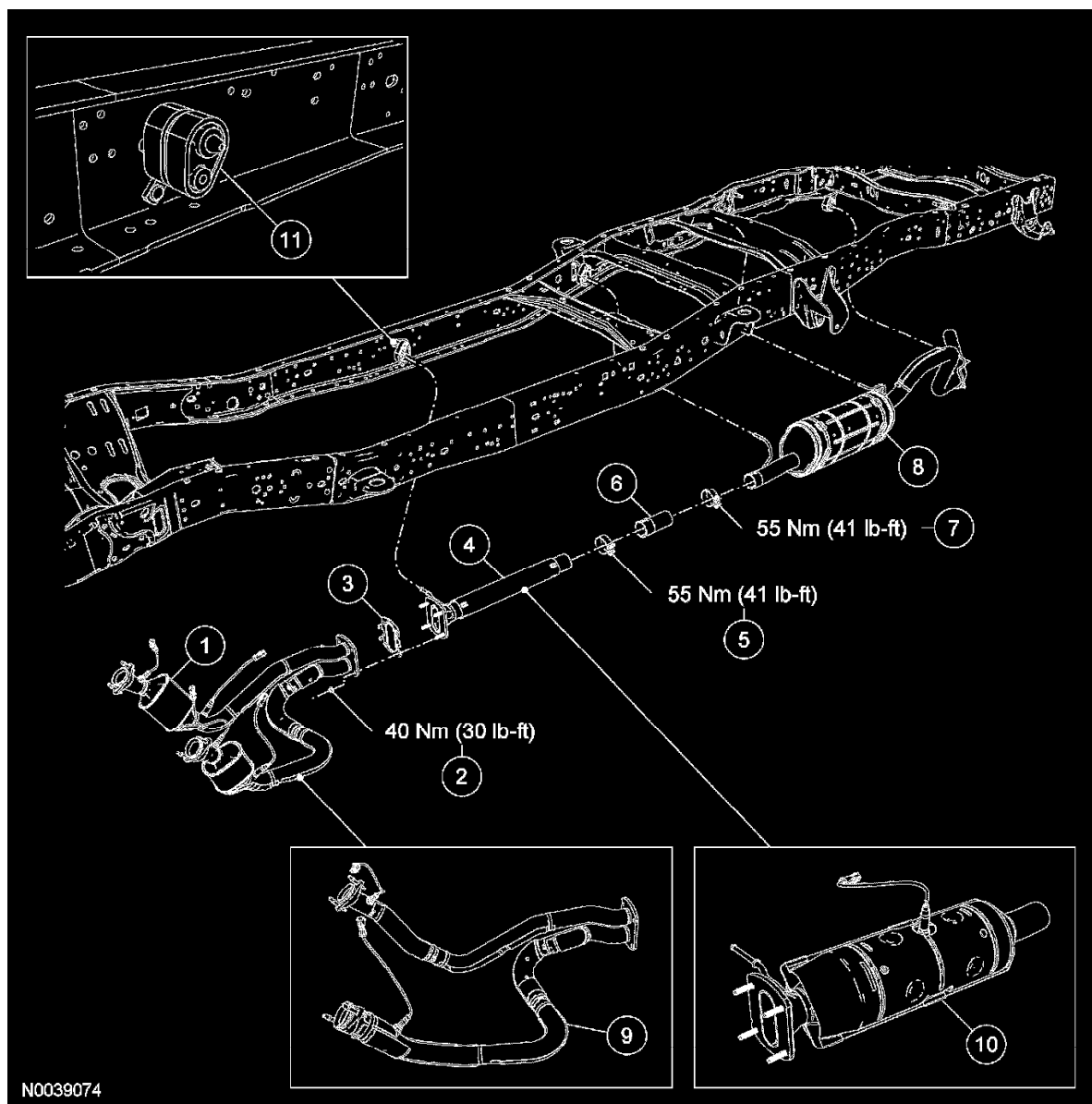
Exhaust System

Exhaust System - Exploded View

NOTE: Vehicle body removed for clarity.

NOTE: Exhaust systems will vary by wheelbase.

NOTE: Frames will vary by width and length.



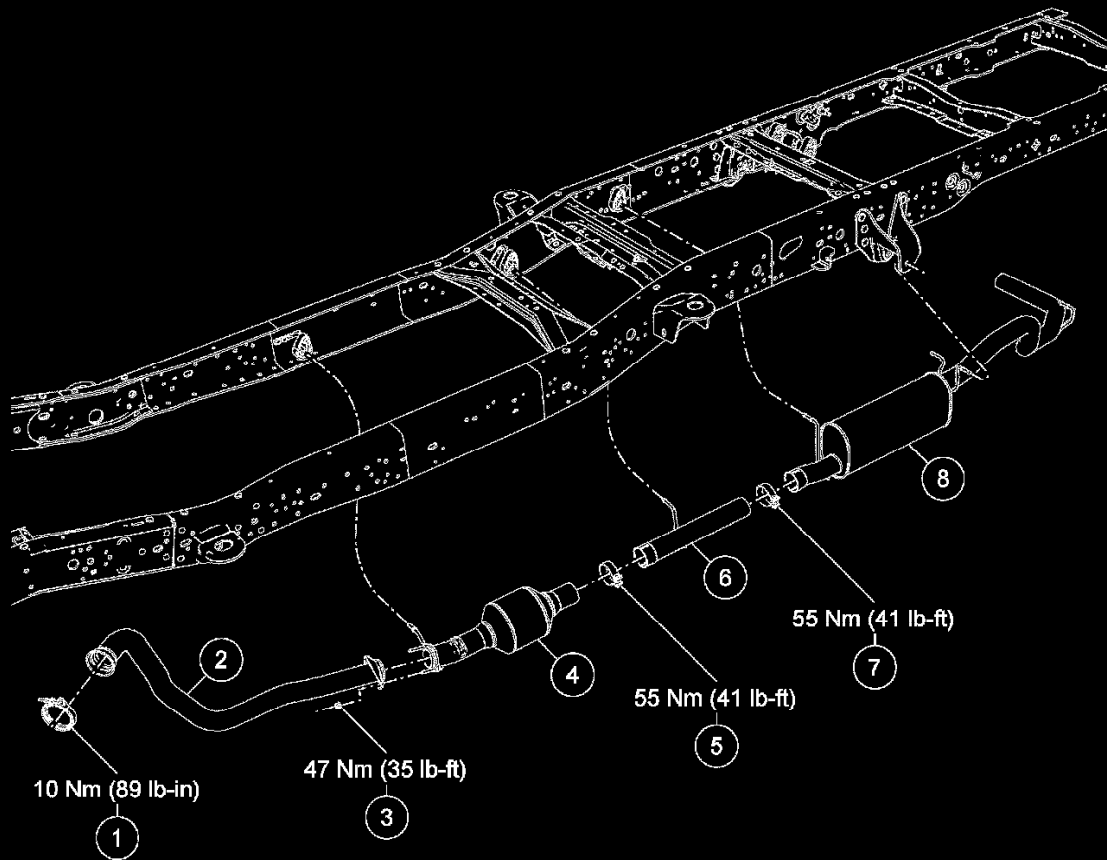
Exhaust System - Gasoline Engine

Item	Description
1	Exhaust Y-pipe with dual catalytic converters
2	Exhaust Y-pipe flange nut (4 required)
3	Exhaust Y-pipe flange gasket
4	Catalytic converter delete pipe
5	Coupling
6	Exhaust intermediate pipe

(Continued)

Item	Description
7	Coupling
8	Muffler and tailpipe
9	Exhaust Y-pipe without dual catalytic converters
10	Catalytic converter
11	Double exhaust isolator (underbody catalytic converter equipped vehicles only)

Exhaust System - Gasoline Engine



N0034620

Item	Description
1	Clamp
2	Exhaust downpipe
3	Exhaust downpipe-to-catalytic converter nut (2 required)
4	Catalytic converter

(Continued)

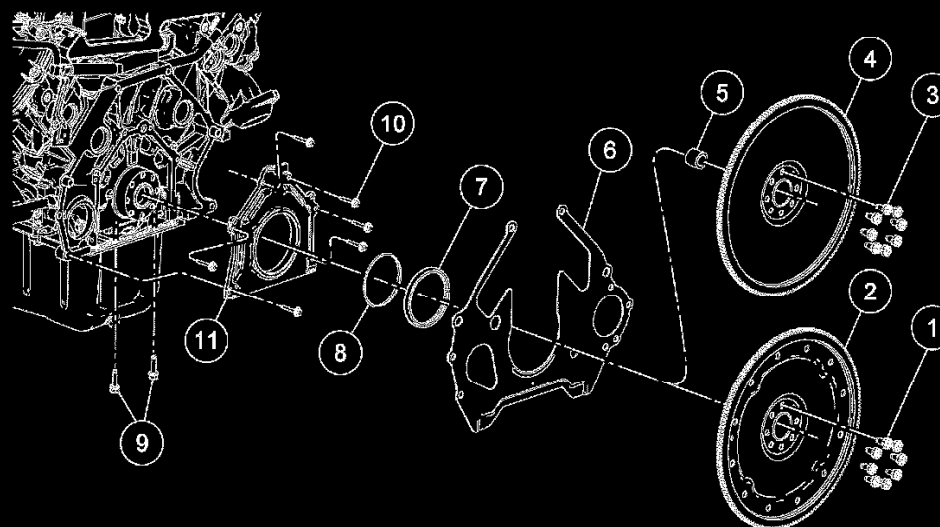
Item	Description
5	Coupling
6	Exhaust intermediate pipe
7	Coupling
8	Muffler and tailpipe assembly

Exhaust System - Diesel Engine

Flex Plate, A/T

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Flexplate or Flywheel and Crankshaft Rear Seal — Exploded View



N0018801

Item	Description
1	Flexplate bolt (8 required)
2	Flexplate
3	Flywheel bolt (8 required)
4	Flywheel
5	Transmission input pilot bearing
6	Rear cover plate
7	Crankshaft oil slinger

(Continued)

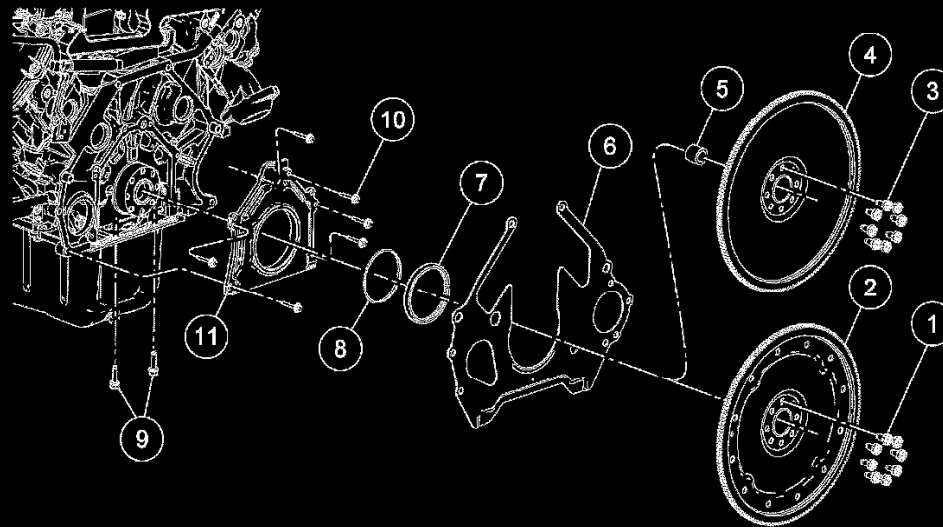
Item	Description
8	Crankshaft rear seal
9	Oil pan bolts (2 required)
10	Crankshaft rear seal retainer plate bolt (6 required)
11	Crankshaft rear seal retainer plate

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Flywheel, M/T

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Flexplate or Flywheel and Crankshaft Rear Seal — Exploded View



N0018801

Item	Description
1	Flexplate bolt (8 required)
2	Flexplate
3	Flywheel bolt (8 required)
4	Flywheel
5	Transmission input pilot bearing
6	Rear cover plate
7	Crankshaft oil slinger

(Continued)

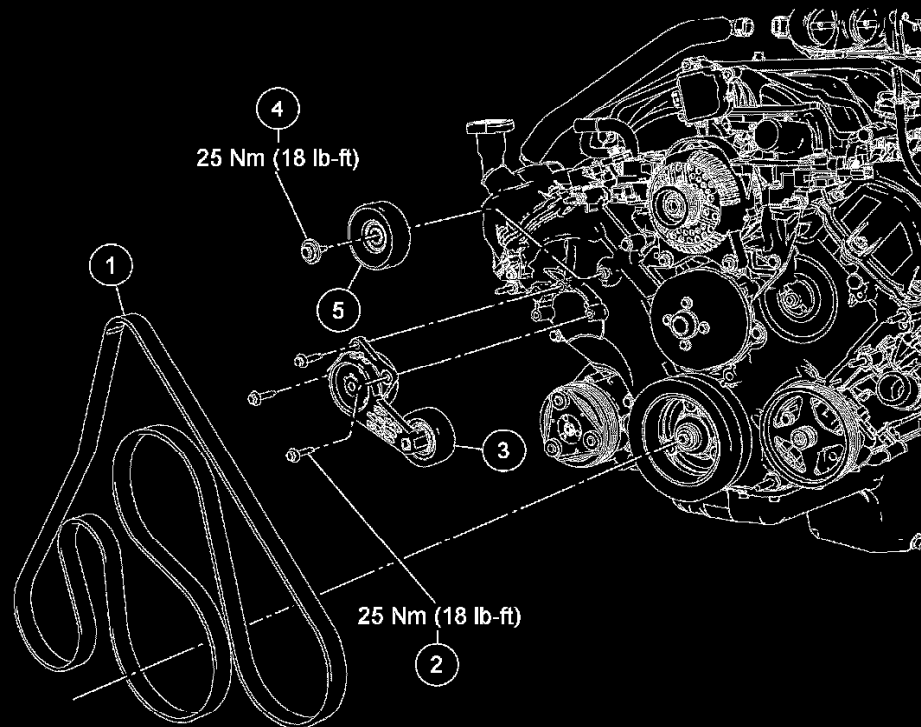
Item	Description
8	Crankshaft rear seal
9	Oil pan bolts (2 required)
10	Crankshaft rear seal retainer plate bolt (6 required)
11	Crankshaft rear seal retainer plate

Flexplate or Flywheel and Crankshaft Rear Seal - Exploded View

Idler Pulley

Front End Accessory Drive (FEAD) Exploded View

Front End Accessory Drive (FEAD) Exploded View — 5.4L, 6.8L



N0010006

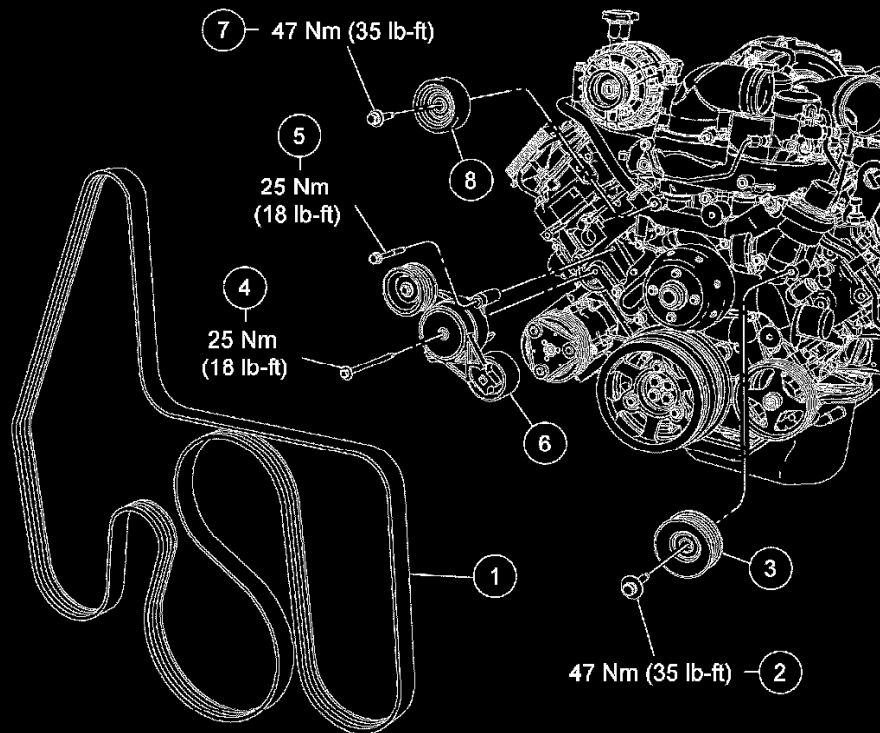
Item	Description
1	Accessory drive belt
2	Belt tensioner bolts (3 required)
3	Belt tensioner

(Continued)

Item	Description
4	Idler pulley bolt
5	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 5.4L 6.8L

Front End Accessory Drive (FEAD) Exploded View — 6.0L Diesel



N0010007

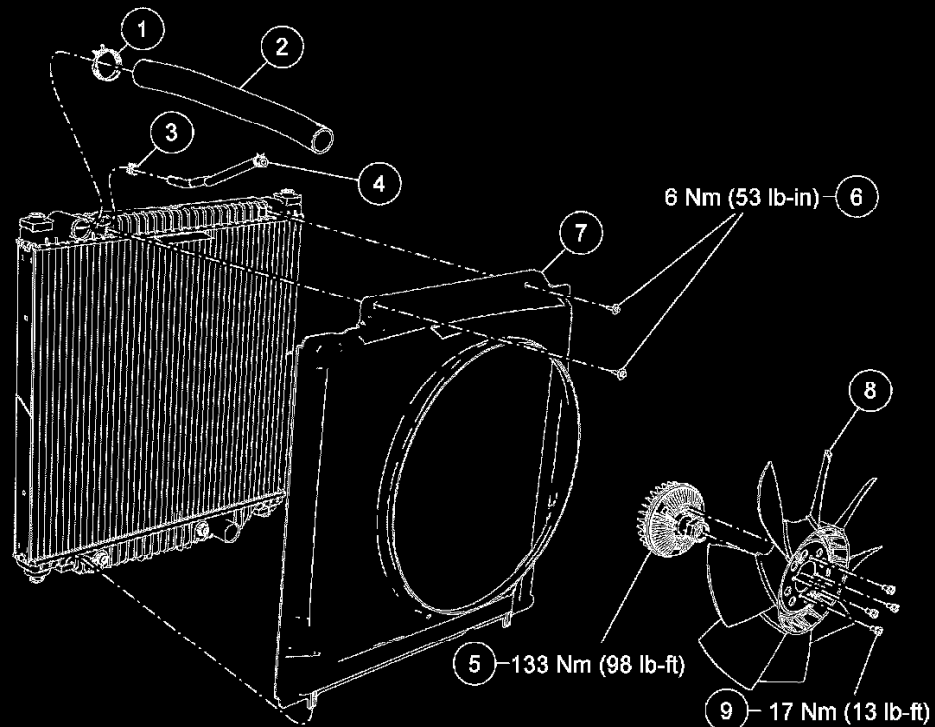
Item	Description
1	Accessory drive belt
2	Idler pulley bolt
3	Idler pulley, grooved
4	Belt tensioner bolt

(Continued)

Item	Description
5	Belt tensioner bolt
6	Belt tensioner assembly
7	Idler pulley bolt
8	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 6.0L Diesel

Radiator and Cooling Fan — Exploded View, Gasoline Engines



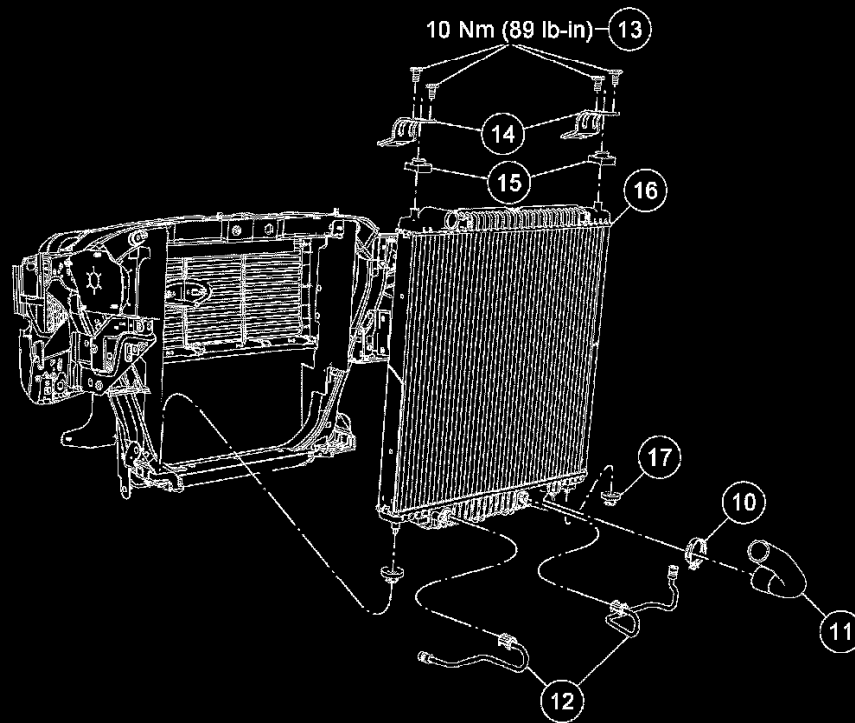
N0038922

Item	Description
1	Upper radiator hose clamp
2	Upper radiator hose
3	Degas bottle hose clamp
4	Degas bottle hose
5	Cooling fan clutch
6	Radiator shroud bolts (2 required)

(Continued)

Item	Description
7	Radiator shroud
8	Cooling fan
9	Cooling fan-to-clutch bolt (4 required)

Radiator and Cooling Fan - Exploded View, Gasoline Engines



N0038924

Item	Description
10	Lower radiator hose clamp
11	Lower radiator hose
12	Transmission cooler lines
13	Radiator support bracket bolts (4 required)
14	Radiator support brackets (2 required)

Item	Description
15	Upper radiator insulators (2 required)
16	Radiator
17	Lower radiator insulator (2 required)

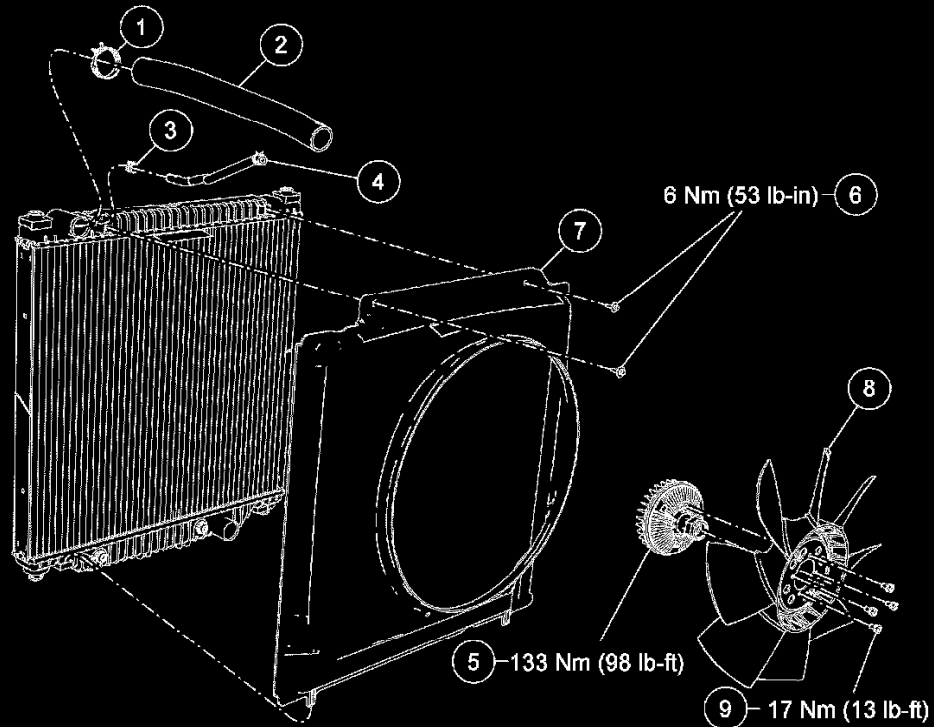
(Continued)

Radiator and Cooling Fan - Exploded View, Gasoline Engines

Radiator Cooling Fan

Radiator and Cooling Fan - Exploded View, Gasoline Engines

Radiator and Cooling Fan — Exploded View, Gasoline Engines



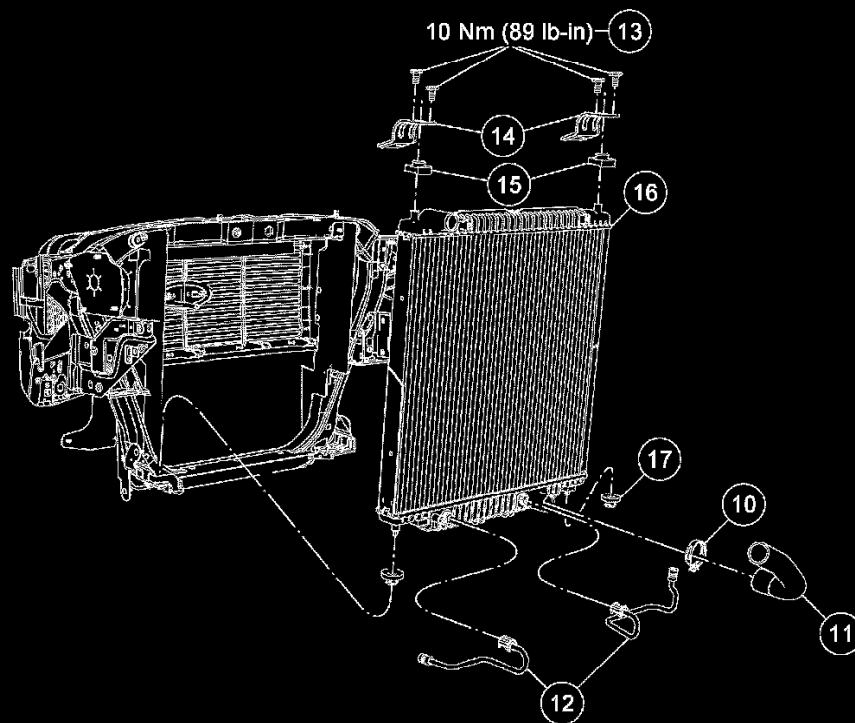
N0038922

Item	Description
1	Upper radiator hose clamp
2	Upper radiator hose
3	Degas bottle hose clamp
4	Degas bottle hose
5	Cooling fan clutch
6	Radiator shroud bolts (2 required)

(Continued)

Item	Description
7	Radiator shroud
8	Cooling fan
9	Cooling fan-to-clutch bolt (4 required)

Radiator and Cooling Fan - Exploded View, Gasoline Engines



N0038924

Item	Description
10	Lower radiator hose clamp
11	Lower radiator hose
12	Transmission cooler lines
13	Radiator support bracket bolts (4 required)
14	Radiator support brackets (2 required)

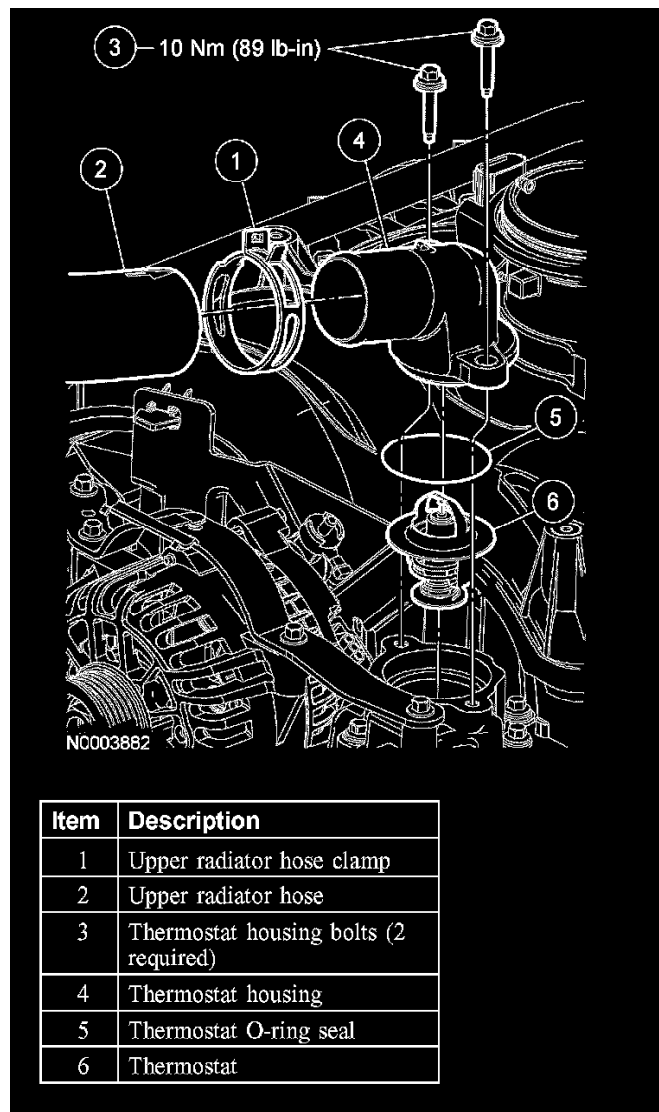
Item	Description
15	Upper radiator insulators (2 required)
16	Radiator
17	Lower radiator insulator (2 required)

(Continued)

Radiator and Cooling Fan - Exploded View, Gasoline Engines

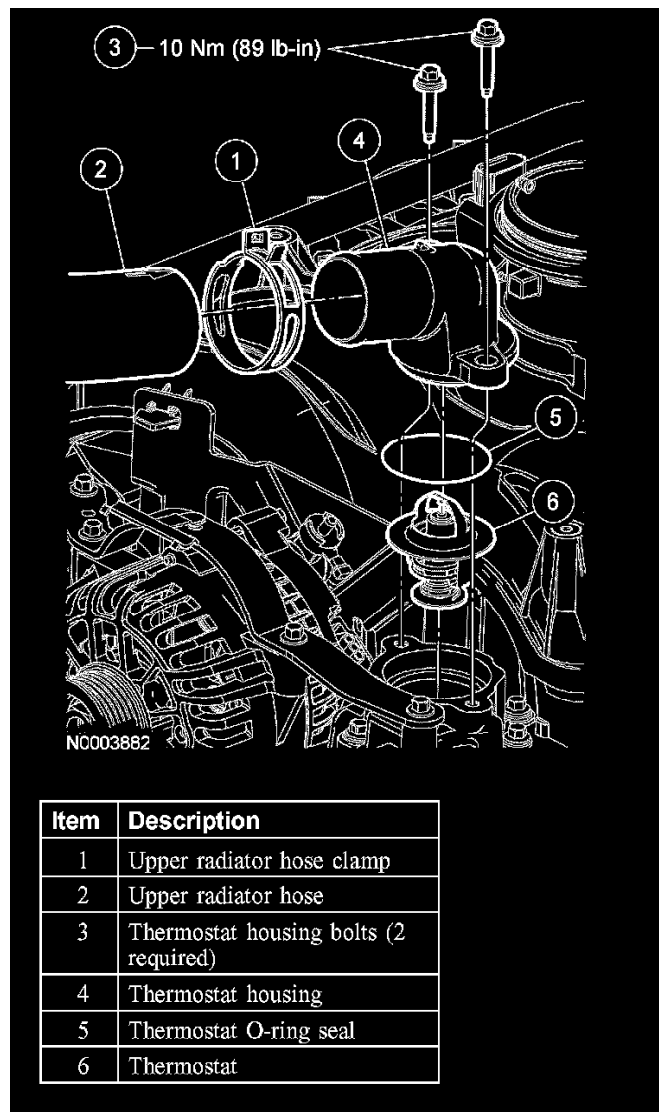
Thermostat Housing, Engine Cooling

Thermostat - Exploded View



Thermostat, Engine Cooling

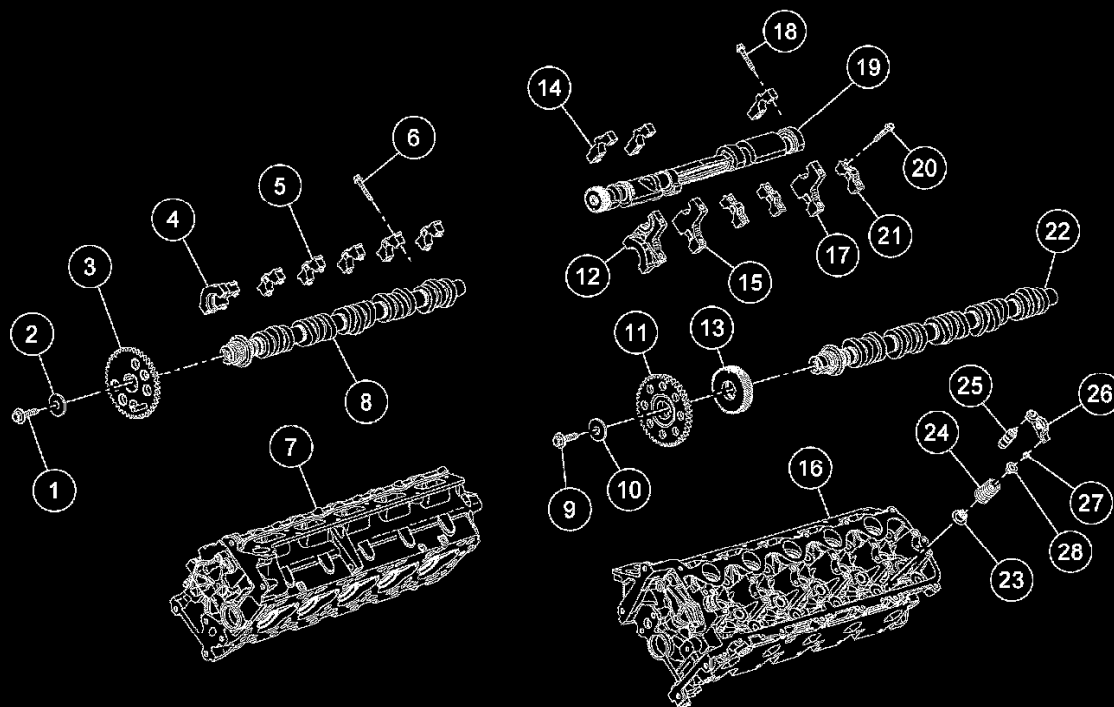
Thermostat - Exploded View



Timing Components

Valve Train Components - Exploded View

Valve Train Components — Exploded View



N0013603

Item	Description
1	RH camshaft sprocket bolt
2	RH camshaft sprocket washer
3	RH camshaft sprocket
4	RH front camshaft bearing cap
5	RH camshaft bearing cap (5 required)
6	RH camshaft bearing cap bolt (12 required)
7	RH cylinder head
8	RH camshaft
9	LH camshaft sprocket bolt
10	LH camshaft sprocket washer
11	LH camshaft sprocket
12	LH camshaft front bearing cap
13	Balance shaft drive gear

(Continued)

Item	Description
14	Balance shaft bearing cap (3 required)
15	LH camshaft bearing cap
16	LH cylinder head
17	LH camshaft bearing cap
18	Balance shaft bearing cap bolt (6 required)
19	Balance shaft
20	LH camshaft bearing cap bolt (12 required)
21	LH camshaft bearing cap (3 required)
22	LH camshaft
23	Valve seal (30 required)
24	Valve spring (30 required)
25	Hydraulic lash adjuster (30 required)

(Continued)

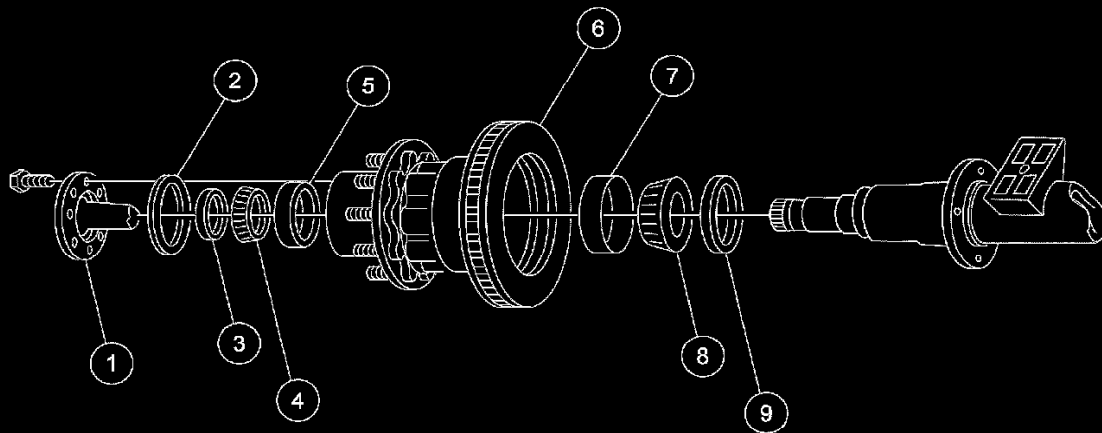
Valve Train Components - Exploded View

Item	Description
26	Camshaft roller follower (30 required)
27	Valve spring retainer key (60 required)
28	Valve spring retainer (30 required)

Valve Train Components - Exploded View

Full Floating Axle - Dana
Wheel Hubs and Bearings

F-350



N0031663

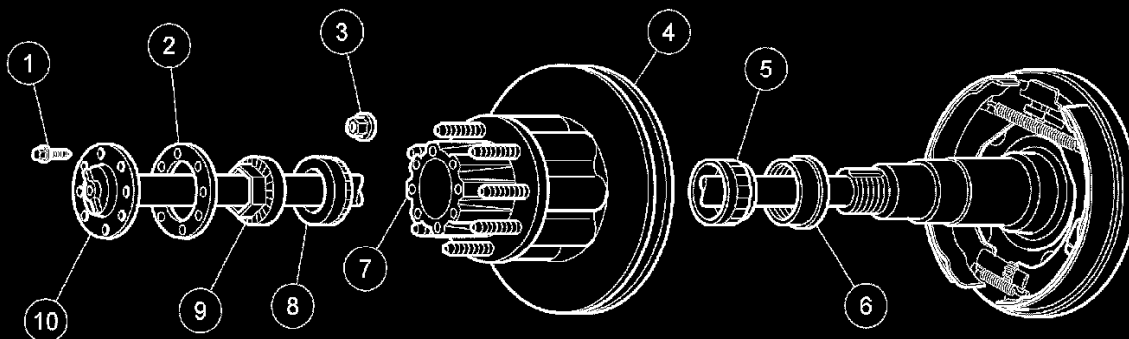
Item	Description
1	Axle shaft
2	O-ring
3	Hub nut
4	Outer rear wheel bearing
5	Rear wheel bearing outer cup

Item	Description
6	Rear hub and rotor assembly
7	Rear wheel bearing inner cup
8	Inner rear wheel bearing
9	Rear hub seal

(Continued)

F-350

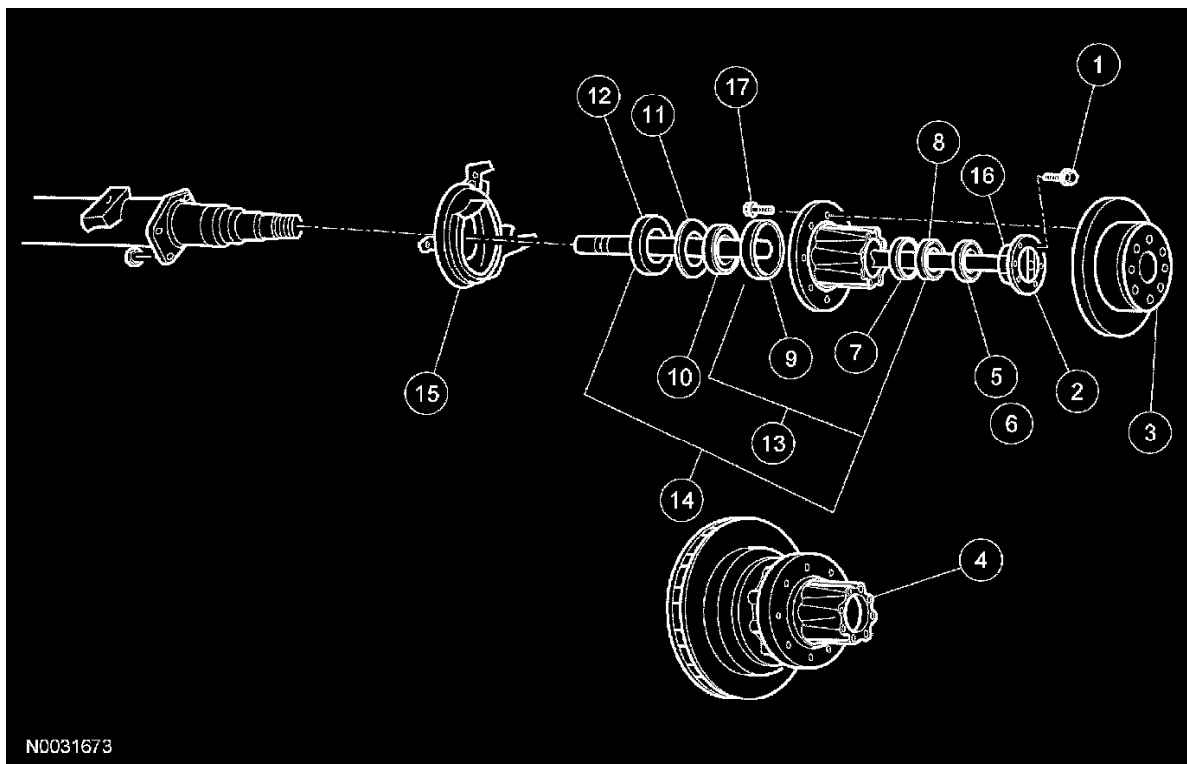
F-450 and F-550

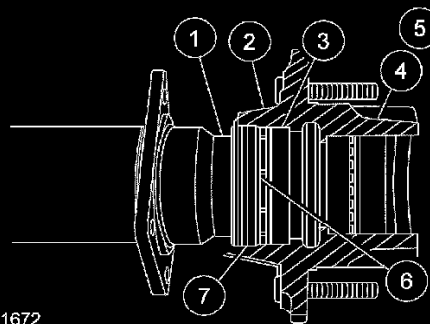


N0031664

F-450 and F-550 (Part 1)

Item	Description
1	Axle shaft bolt
2	Rear axle shaft gasket
3	Wheel nut
4	Brake disc
5	Inner rear wheel bearing
6	Hub seal
7	Rear hub (includes bearing cups)
8	Outer rear wheel bearing
9	Hub nut
10	Axle shaft

F-450 and F-550 (Part 2)**Full Floating Axle - Ford**
Wheel Hubs and Bearings



Item	Description
1	Spindle (part of axle)
2	Hub
3	Inner bearing
4	Hub nut (RH)
5	Hub nut (LH)
6	Slinger
7	Hub seal

Item	Description
1	Axle shaft bolts
2	Axle shaft
3	Rotor (SRW)
4	Hub and rotor (DRW)
5	Hub nut (RH)
6	Hub nut (LH)
7	Outer bearing cup
8	Outer cone and roller
9	Inner bearing cup

(Continued)

Item	Description
10	Inner bearing
11	Slinger
12	Hub seal
13	Rear hub assembly (with cups)
14	Rear hub assembly (complete)
15	Parking brake assembly
16	O-ring
17	Wheel studs

C100 (BK)
14305
12B637
 A/C clutch field
 coil (18D748)

Pin	Circuit	Circuit function
1	321 (GY/WH)	A/C clutch relay, switched output
2	57 (BK)	Ground

C100

C101 (BK)
12B637
 Crankshaft
 position sensor
 (6C315)

Gasoline engines

6.0L Diesel

Pin	Circuit	Circuit function
1	**350 (GY)	Crankshaft position sensor (6C315) -
	*349 (DB)	Crankshaft position sensor (6C315) +
2	*350 (GY)	Crankshaft position sensor (6C315) -
	**349 (DB)	Crankshaft position sensor (6C315) +

* 6.0L

** others

C101



C102c
14306
12B637
Generator

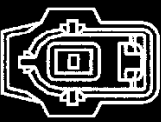


6.0L

Pin	Circuit	Circuit function
1	36 (YEMH)	Voltage supplied at all times (overload protected)
*1	1119 (RD)	Voltage supplied at all times (overload protected)

C102c

C103 (BK)
12B637
Oil pressure switch (30Z79)



FEMALE

Pin	Circuit	Circuit function
1	1308 (BN/OG)	Engine oil pressure indicator, control

C103

C104
12B637
 Engine Oil Temperature (EOT) sensor

Gas (BN)

FEMALE

Diesel (GY)

FEMALE

*6.0L

Pin	Circuit	Circuit function
1	263 (YE/LB)	Engine Oil Temperature (EOT) sensor, signal
*1	359 (GY/RD)	Signal return
2	359 (GY/RD)	Signal return
*2	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal

C104

C106 (BN)
12B637
 Heated Positive Crankcase Ventilation (PCV) element

MALE

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	1276 (WH/OG)	Heated Positive Crankcase Ventilation (PCV) element, control

C106

C107 (WH)

14B102

Cylinder head temperature sensor (6B004)



FEMALE

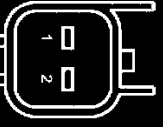
Pin	Circuit	Circuit function
1	1102 (YE/LG)	Cylinder head temperature sensor signal
2	359 (GY/RD)	Signal return

C107

C108 (BK)

12B637

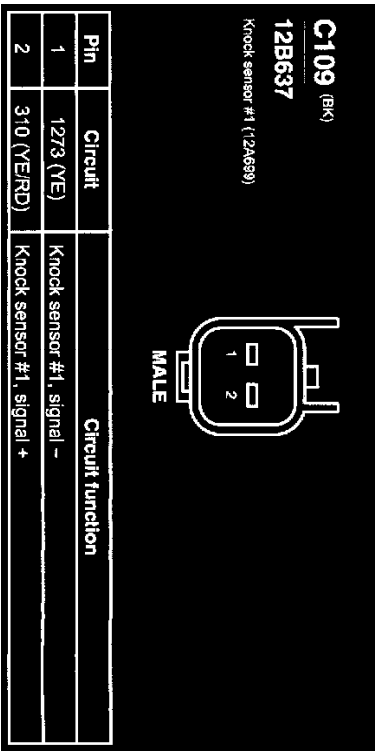
Knock sensor #2 (12A699)



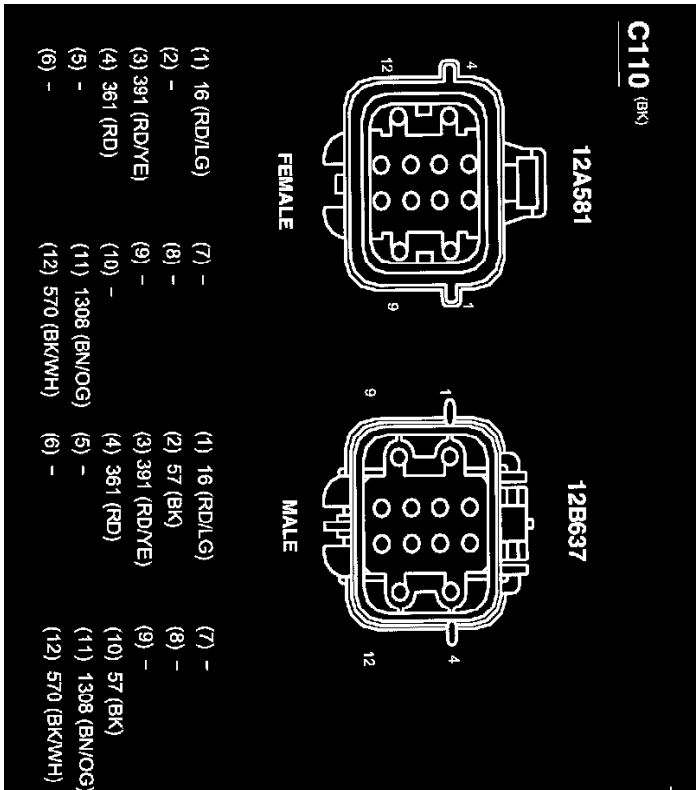
MALE

Pin	Circuit	Circuit function
1	1274 (DG/WH)	Knock sensor #2, signal -
2	311 (DG/VT)	Knock sensor #2, signal +

C108

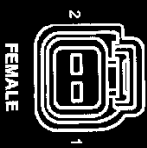


C109



C110

C111 (BK)
12B637
Coil On Plug (COP) 1 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1024 (LG/WH)	Coil On Plug (COP) 1 control

C111

C112 (BK)
12B637
Coil On Plug (COP) 2 (12A366)



FEMALE

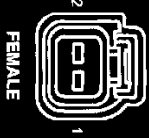
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1026 (PK/WH)	Coil On Plug (COP) 2 control

C112

C113 (BK)

12B637

Coil On Plug (COP) 3 (12A386)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1028 (WH/PK)	Coil On Plug (COP) 3 control

C113

C114 (BK)

12B637

Coil On Plug (COP) 4 (12A386)

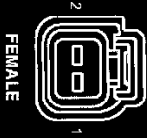


FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1030 (DGNV)	Coil On Plug (COP) 4 control

C114

C115 (BK)
12B637
Coil On Plug (COP) 5 (12A386)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1021 (LG/YE)	Coil On Plug (COP) 5 control

C115

C116 (BK)
12B637
Coil On Plug (COP) 6 (12A386)

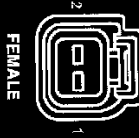


FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1025 (OG/YE)	Coil On Plug (COP) 6 control

C116

C117 (BK)
12B637
Coil On Plug (COP) 7 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1027 (PK/LB)	Coil On Plug (COP) 7 control

C117

C118 (BK)
12B637
Coil On Plug (COP) 8 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1029 (WH/RD)	Coil On Plug (COP) 8 control

C118

C124 (BK)		
12A581		
Brake fluid level switch (2L414)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	512 (TN/LG)	Brake fluid level switch (2L414), return
3	531 (DG/YE)	Brake fluid level switch (2L414), signal

C124

C125 (BK)		
12A581		
Windshield wiper motor (17D538)		
		
FEMALE		
Pin	Circuit	Circuit function
1	61 (YE/RD)	Front wiper switch circuit H
2	-	not used
3	676 (PK/OG)	Ground
4	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
5	65 (DG)	Voltage supplied at all times (overload protected)
6	57 (BK)	Ground
7	941 (BK/WH)	Windshield washer pump motor (17618), feed
8	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
9	63 (RD)	Front wiper switch circuit A
10	56 (DB/OG)	Front wiper switch circuit C
11	58 (WH)	Front wiper switch circuit B
12	589 (OG)	Front washer switch circuit W

C125

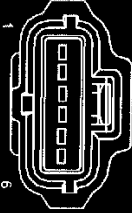
C128 (BK)

Mass Air Flow (MAF) sensor (13480)

12B637
Gasoline



12A581
Diesel



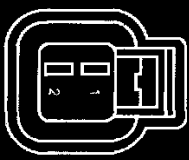
Pin	Circuit	Circuit function
1	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal
	*369 (GY/RD)	Signal return
2	359 (GY/RD)	Signal return
	*361 (RD)	PCM power relay, switched power
3	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
	*570 (BK/WH)	Ground
4	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579), signal, return
5	570 (BK/WH)	Ground
	*967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
6	361 (RD)	PCM power relay, switched power
	*743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal

* Diesel

C128

C131 (BK)

12A581
Horn (13632)



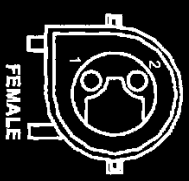
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	6 (YELG)	Horn relay, switched power, output

C131

C132 (BK)

14K073

Ambient air temperature sensor (19E702)



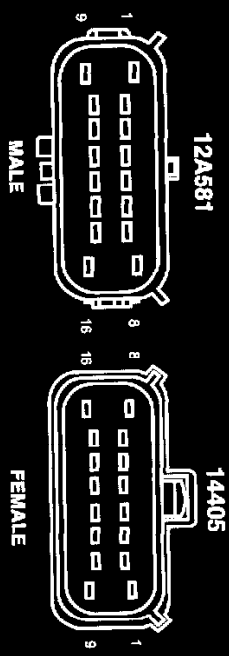
FEMALE

Pin	Circuit	Circuit function
1	470 (PK/BK)	Sensor signal return
2	3061 (LB/OG)	Ambient air temperature sensor (19E702) signal

C132

C133 (GY)

* Gas only



12A581

14405

FEMALE

FEMALE

(1) 52 (YE)

(2) 140 (BK/PK)

(3) 3074 (BK/OG)

(4) 1703 (RD/LG)

(5) 1706 (WH/BK)

(6) 926 (LB/OG)

(7) 2022 (BN/OG)

(8) 5 (OG/LB)

(9) 84 (DG)

(10) 791 (RD/PK)

(11) * 523 (RD/PK)

(12) * 519 (LG/BK)

(13) 1702 (GY/LB)

(14) 391 (RD/YE)

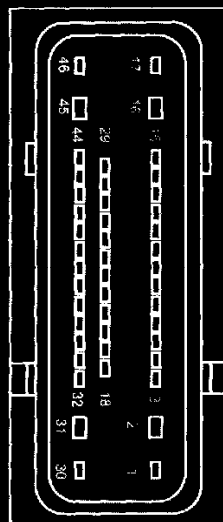
(15) 91 (VT/MH)

(16) 9 (LG/OG)

C133

C135 (BK)**12A581**

ABS control module (2C219)

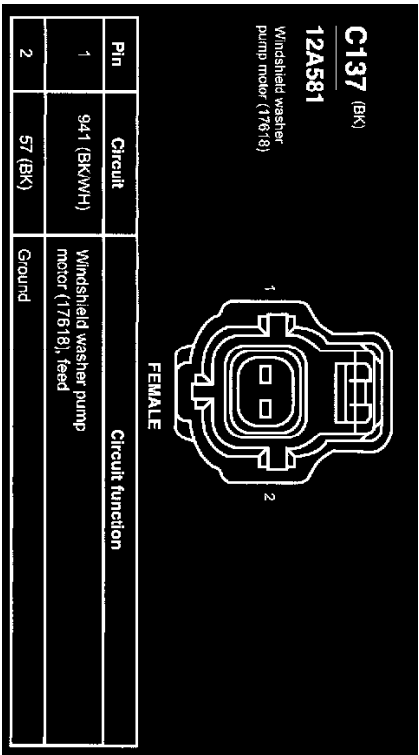


FEMALE

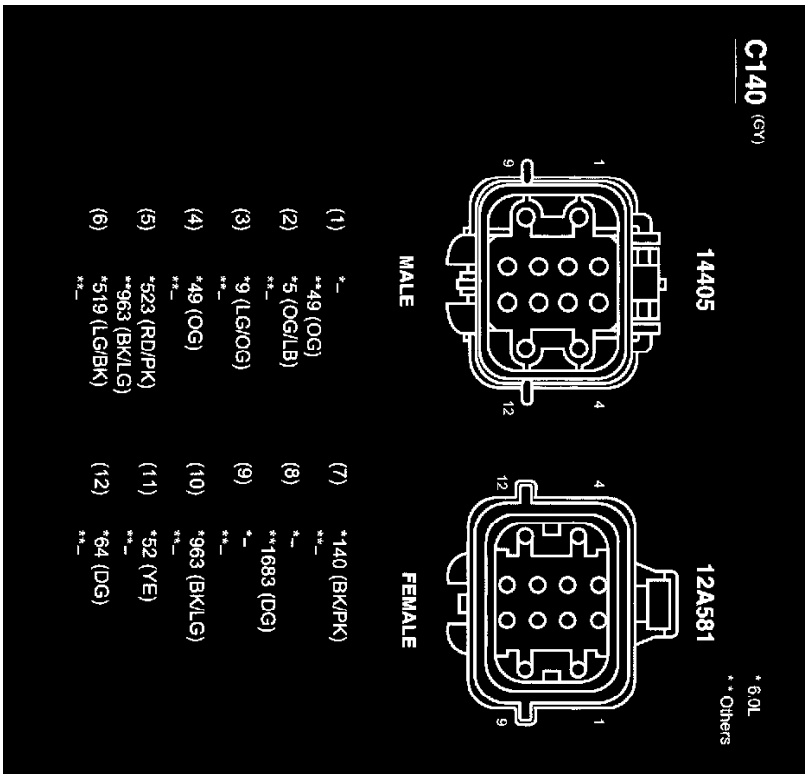
Pin	Circuit	Circuit Function
1	-	not used
2	534 (YE/LG)	Voltage supplied at all times (overload protected)
3	1908 (WH)	High speed CAN +
4	-	not used
5	-	not used
6	-	not used
7	-	not used
8	-	not used
9	-	not used
10	-	not used
11	-	not used
12	621 (TN/OG)	Wheel speed sensor, left front (2C205) +
13	522 (TN/BK)	Wheel speed sensor, left front (2C205) -
14	-	not used
15	-	not used
16	530 (LG/YE)	Chassis Ground
17	-	not used
18	1509 (BK)	High speed CAN -
19	-	not used
20	-	not used
21	678 (GY/BK)	Vehicle Speed Sensor (VSS), signal
22	-	not used
23	-	not used

Pin	Circuit	Circuit Function
24	-	not used
25	-	not used
26	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
27	516 (YE/BK)	Wheel speed sensor, right front (2C204) -
28	-	not used
29	-	not used
30	-	not used
31	532 (OG/YE)	Voltage supplied at all times (overload protected)
32	533 (TN/RD)	Voltage in Run (overload protected)
33	-	not used
34	-	not used
35	-	not used
36	-	not used
37	-	not used
38	-	not used
39	-	not used
40	-	not used
41	519 (LG/BK)	Rear axle speed sensor (4B409) -
42	523 (RD/PK)	Rear axle speed sensor (4B409) +
43	-	not used
44	-	not used
45	530 (LG/YE)	Chassis Ground
46	-	not used

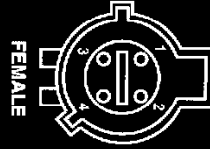
C135



C137



C140

C141 (BU)**15525**Heated Oxygen
Sensor (HO2S)
#22 (9G444)

Pin	Circuit	Circuit function
1	390 (NV/E)	Heated Oxygen Sensor (HO2S) #22 (9G444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	393 (VT/LG)	Heated Oxygen Sensor (HO2S) #22 (9G444), input
4	1704 (VT/LG)	Signal return

C141

C142 (BU)**15525**Heated Oxygen Sensor
(HO2S) #12 (9G444)

Pin	Circuit	Circuit function
1	389 (WH/BK)	Heated Oxygen Sensor (HO2S) #12 (9G444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12 (9G444), input
4	1704 (VT/LG)	Signal return

C142

C145 (GY)

- * 6.0L
- ** others
- *** without daytime running lamps
- **** with manual transmission diesel
- + with EATC

14401

MALE

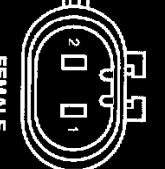
12A581

FEMALE

(1)	16 (RD/LG)	(18)	3011 (BK/OG)	(1)	16 (RD/LG)	(18)	3011 (BK/OG)
(2)	787 (PK/BK)	(19)	3835 (YE/WH)	(2)	*787 (PK/BK)	(19)	3835 (YE/WH)
(3)	15 (RD/YE)	(20)	9 (LG/OG)	** -	** -	(20)	9 (LG/OG)
(4)	-	(21)	5 (OG/LB)	(3)	15 (RD/YE)	(21)	5 (OG/LB)
(5)	1040 (RD/BK)	(22)	142 (LB/RD)	*** -	*** -	(22)	*142 (LB/RD)
(6)	13 (RD/BK)	(23)	640 (RD/YE)	(4)	-	(23)	***640 (RD/YE)
(7)	-	(24)	-	(5)	1040 (RD/BK)	(24)	-
(8)	-	(25)	-	(6)	***13 (RD/BK)	(25)	-
(9)	463 (RD/WH)	(26)	-	** 1033 (RD/YE)	-	(26)	-
(10)	1002 (BK/PK)	(27)	1886 (GY)	(7)	-	(27)	-
(11)	-	(28)	182 (LG/RD)	(8)	-	(28)	-
(12)	3014 (BK/WH)	(29)	140 (BK/PK)	(9)	463 (RD/WH)	(29)	**1886 (GY)
(13)	3010 (TN)	(30)	1308 (BN/OG)	(10)	1002 (BK/PK)	(30)	-
(14)	356 (DB/LG)	(31)	296 (WH/VT)	(11)	-	(31)	***182 (LG/RD)
(15)	3061 (LB/OG)	+ 57 (BK)	3012 (WH)	(12)	3014 (BK/WH)	(32)	140 (BK/PK)
***	-	(32)	3013 (GY/BK)	(13)	3010 (TN)	(33)	1308 (BN/OG)
(16)	133 (BK)	(33)	3013 (GY/BK)	(14)	*356 (DB/LG)	(34)	296 (WH/VT)
(17)	3015 (WH/RD)	(34)	+ 470 (PK/BK)	(15)	3061 (LB/OG)	(35)	3012 (WH)
		*** -			*** -		3013 (GY/BK)
				(16)	133 (BK)	(34)	470 (PK/BK)
				(17)	3015 (WH/RD)		*** -

C150 (BK)		
12A581		
Wheel speed sensor, left front (2C205)		
		
FEMALE		
Pin	Circuit	Circuit function
1	521 (TN/OG)	Wheel speed sensor, left front (2C205) +
2	522 (TN/BK)	Wheel speed sensor, left front (2C205) -

C150

C152 (BK)		
15A211		
Fog lamp, left front (15200)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp relay, output, to fog lamps

C152

C160 (BK)
12A581
Wheel speed sensor, right front (2C204)

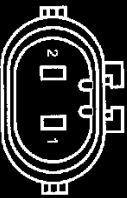


FEMALE

Pin	Circuit	Circuit function
1	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
2	516 (YE/BK)	Wheel speed sensor, right front (2C204) -

C160

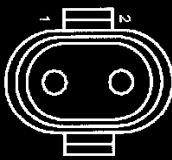
C162 (BK)
15A211
Fog lamp, right front (1S200)



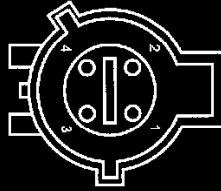
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp relay, output, to fog lamps

C162

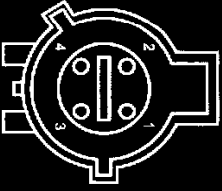
C169 (WH) 15525 Reversing lamps switch			
Pin	Circuit	Circuit function	
1	324 (YEL.G)	Reversing lamp relay control	
2	57 (BK)	Ground	

C169

C171 (BK) 12B637 Heated Oxygen Sensor (HO2S) #11 (9F-472)					
			FEMALE		
Pin	Circuit	Circuit function			
1	391 (RD/YE)	PCM power relay, switched power			
2	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9F-472), heater			
3	359 (GY/RD)	Signal return			
4	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9F-472), input			

C171

C172 (BK)
12B637
Heated Oxygen Sensor
(HO2S) #21 (9F472)



FEMALE

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21 (9F472), heater
3	359 (GY/RD)	Signal return
4	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21 (9F472), input

C172

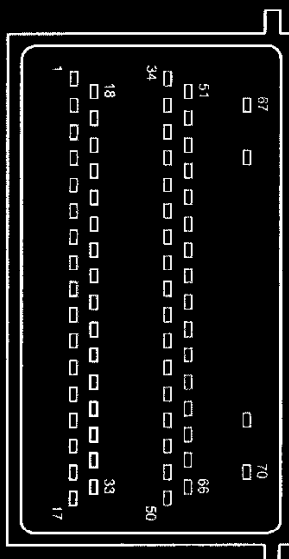
C174 (GY)
12B637
Ignition transformer
capacitor 1 (18801)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C174

C175a (BK)
12B837Powertrain Control Module
(PCM) (AAA1001)
5.4L
6.8L

Pin	Circuit	Circuit function
1	19 (LG/BK)	Vapor management valve, control
2	**1276 (WH/OG)	Heated Positive Crankcase Ventilation (PCV) element, control
3	331 (PY/YE)	A/C clutch relay, control
4	439 (TN/LG)	A/C pressure switch, signal
5	48	Drain wire - shield
6	-	not used
7	-	not used
8	**1442 (WH/RD)	Coil On Plug (COP) 10, control
9	1029 (WH/RD)	Coil On Plug (COP) 8, control
10	1021 (LG/YE)	Coil On Plug (COP) 5, control
11	1026 (PK/WH)	Coil On Plug (COP) 2, control
12	1028 (WH/PK)	Coil On Plug (COP) 3, control
13	**1441 (YE/BK)	Coil On Plug (COP) 9, control
14	1030 (DG/YT)	Coil On Plug (COP) 4, control
15	1025 (OG/YE)	Coil On Plug (COP) 6, control
16	1027 (PK/LB)	Coil On Plug (COP) 7, control
17	1024 (LG/WH)	Coil On Plug (COP) 1, control
18	-	not used
19	225 (BK/YE)	Fuel rail temperature sensor signal
20	-	not used

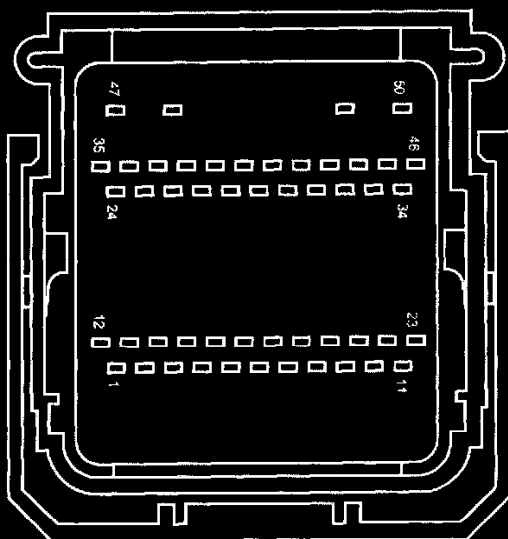
Pin	Circuit	Circuit function
21	-	not used
22	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal
23	-	not used
24	-	not used
25	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
26	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579), signal, return
27	*263 (YE/LB)	Engine Oil Temperature (EOT) sensor, signal
28	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9F472), input
29	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21 (9F472), input
30	1274 (DG/WH)	Knock sensor #2, signal -
31	311 (DG/YT)	Knock sensor #2, signal +
32	1289 (OG/LG)	Fuel rail pressure sensor signal
33	-	not used
34	1835 (DB/YE)	Electronic Throttle Control (ETC) motor +/-
35	556 (WH)	Fuel injector 2, control
36	558 (BN/LB)	Fuel injector 4, control
37	560 (LG/OG)	Fuel injector 6, control
38	562 (LB)	Fuel injector 8, control
39	**1101 (GY/RD)	Fuel injector 10 (9F593), control
40	-	not used

C175a (Part 1)

Pin	Circuit	Circuit function
41	1102 (YE/LG)	Cylinder head temperature sensor signal
42	-	not used
43	*373 (WH/RD)	Charge Motion Control Valve (CMCV) monitor
44	*365 (OG)	Camshaft position sensor 2 (6B288), signal
45	282 (DB/OG)	Camshaft position sensor 1 (6B288), signal
46	350 (GY)	Crankshaft position sensor (6C315) -
47	349 (DB)	Crankshaft position sensor (6C315) +
48	1273 (YE)	Knock sensor #1, signal -
49	310 (YE/RD)	Knock sensor #1, signal +
50	*367 (BN)	Charge Motion Control Valve (CMCV) control
51	1830 (RD/LG)	Electronic Throttle Control (ETC) motor -/+
52	555 (TN)	Fuel Injector 1 (9F593), control
53	557 (BN/YE)	Fuel Injector 3 (9F593), control
54	559 (TN/BK)	Fuel Injector 5 (9F593), control
55	561 (TN/RD)	Fuel Injector 7 (9F593), control

Pin	Circuit	Circuit function
56	**1100 (GY/BK)	Fuel Injector 9 (9F593), control
57	3073 (RD/WH)	Fuel rail temperature sensor reference voltage
58	359 (GY/RD)	Signal return
59	1946 (OG/LB)	Throttle Position Sensor (TPS) (9F991), signal return
60	357 (YE/WH)	Throttle Position Sensor (TPS) (9F991), signal 2
61	355 (GY/WH)	Throttle Position sensor (TPS) (9F991), signal 1
62	-	not used
63	-	not used
64	**1022 (DB/YE)	Intake Manifold Tuning Valve (IMTV), control
65	307 (BK/YE)	Brake pressure switch (2B264), input
66	1945 (VT/WH)	Throttle Position Sensor (TPS) (9F991), reference voltage
67	*641 (VT/LB)	Variable camshaft timing (VCT) solenoid 1 (6B297), control
68	*642 (OG/OG)	Variable camshaft timing (VCT) solenoid 2 (6B297), control
69	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9F472), heater
70	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21 (9F472), heater

C175a (Part 2)

C175b (BK)**12A581**Powertrain
Control Module
(PCM) 12A580

FEMALE

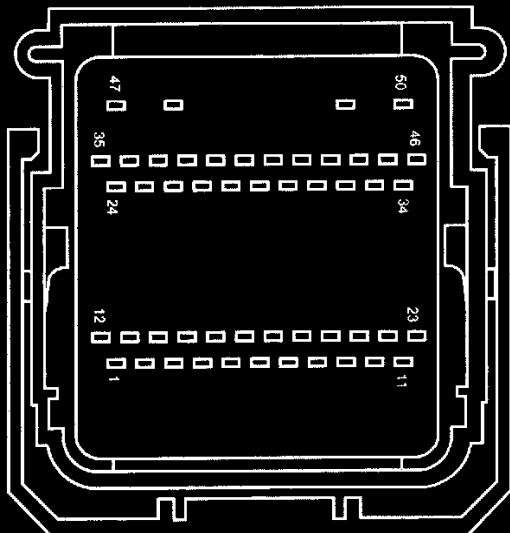
Pin	Circuit	Circuit function
1	239 (WH/OG)	Vehicle speed signal
2	329 (PK)	Starter relay control
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C052), signal
4	3013 (GY/BK)	Accelerator pedal position sensor 3, power
5	3835 (YE/WH)	Accelerator pedal position sensor 1, signal
6	3011 (BK/OG)	Signal return
7	2246 (OG/YE)	Power take-off RPM control signal
8	810 (RD/LG)	Brake pedal position switch (13480), input
9	2243 (OG/WH)	Power take off engage signal
10	567 (LB/YE)	Ground
11	1908 (WH)	High speed CAN +
12	926 (LB/OG)	Fuel pump driver module control signal
13	91 (VT/WH)	EVAP canister vent control solenoid, control

Pin	Circuit	Circuit function
14	1702 (GY/LB)	Heated Oxygen Sensor (HO2S) #13 (9G444), input
15	-	not used
16	3010 (TN)	Voltage reference
17	3012 (WH)	Accelerator pedal position sensor 2, signal
18	3014 (BK/WH)	Accelerator pedal position sensor 3, return
19	151 (LB/BK)	Speed control switch input
20	1886 (GY)	Vehicle Emergency Messaging System (VEMS) airbag activation signal
21	2022 (BN/OG)	Fuel pump driver module return
22	463 (RD/WH)	Automatic transmission neutral signal
23	1909 (BK)	High speed CAN -
24	324 (YE/LG)	Reversing lamps relay control
25	76 (LG/WH)	Tachometer output

*Automatic transmission
**Manual transmission

Pin	Circuit	Circuit function
26	2242 (OG)	Power take-off
27	* 224 (TN/WH)	Tow/haul switch signal
28	3015 (WH/RD)	Accelerator pedal position sensor 3, signal
29	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
30	133 (BK)	Speed control switch return
31	-	not used
32	**306 (TN/LB)	Clutch pedal deactivation switch signal
33	-	not used
34	**92 (LB/YE)	Clutch pedal starter interlock switch signal
35	361 (RD)	PCM power relay, switched power
36	361 (RD)	PCM power relay, switched power
37	-	not used
38	1706 (WH/BK)	Heated Oxygen Sensor (HO2S) #13 (9G444), return
39	-	not used
40	3074 (BK/OG)	Fuel tank pressure transducer sensor, voltage reference
41	1703 (RD/LG)	Signal return
42	2244 (OG/LB)	Power take-off status
43	-	not used
44	107 (VT)	Flash EE prom module programming signal (FEPS)
45	1683 (DG)	Voltage supplied at all times (overload protected)
46	1146 (LG/RD)	Transmission range, park signal
47	570 (BK/WH)	Ground
48	570 (BK/WH)	Ground
49	570 (BK/WH)	Ground
50	570 (BK/WH)	Ground

C175b (Part 2)

C175c (BK)**15525**Powertrain Control
Module (PCM)
(12A650)*Automatic transmission
**with Carbon Management
System (CMS)

Pin	Circuit	Circuit function
1	*237 (OG/YE)	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control
2	*315 (VT/OG)	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
3	*136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103), signal
4	*134 (GY/OG)	Intermediate Shaft Speed (ISs) sensor (7M101), signal
5	-	not used
6	-	not used
7	-	not used
8	-	not used
9	-	not used
10	*971 (PK/BK)	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
11	*236 (BK/LG)	Shift Solenoid Pressure Control D (SSPC-D) (7J136), control
12	*125 (DB/WH)	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control

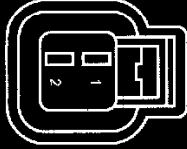
Pin	Circuit	Circuit function
13	*924 (BN/OG)	Torque Converter Clutch (TCC) solenoid (7J136), control
14	-	not used
15	*970 (DG/WH)	Turbine Shaft Speed (TSS) sensor (7H103), signal
16	-	not used
17	-	not used
18	-	not used
19	*199 (LB/YE)	Transmission range sensor assembly (TR-P) (7H557) signal
20	-	not used
21	-	not used
22	-	not used
23	*480 (VT/YE)	Pressure Control (PC-A) solenoid (7G383), control
24	**392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12 (9G444), input
25	**393 (VT/LG)	Heated Oxygen Sensor (HO2S) #22 (9G444), input

C175c (Part 1)

C175c (Part 2)



C182 (GY)
12B637
Fuel Injector 2 (9F593)

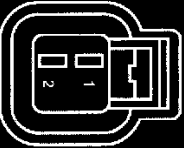


FEMALE

Pin	Circuit	Circuit function
1	556 (WH)	Fuel injector 2, control
2	391 (RD/YE)	PCM power relay, switched power

C182

C183 (GY)
12B637
Fuel Injector 3 (9F593)

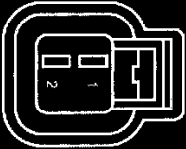


FEMALE

Pin	Circuit	Circuit function
1	557 (BN/YE)	Fuel injector 3, control
2	391 (RD/YE)	PCM power relay, switched power

C183

C184 (3Y)
12B637
Fuel injector 4 (9F593)

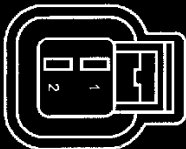


FEMALE

Pin	Circuit	Circuit function
1	558 (BN/LB)	Fuel injector 4, control
2	391 (RD/YE)	PCM power relay, switched power

C184

C185 (3Y)
12B637
Fuel injector 5 (9F593)

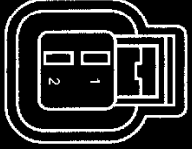


FEMALE

Pin	Circuit	Circuit function
1	559 (TN/BK)	Fuel injector 5, control
2	391 (RD/YE)	PCM power relay, switched power

C185

C186 (GY)
12B637
Fuel injector 6 (9F593)

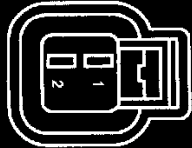


FEMALE

Pin	Circuit	Circuit function
1	560 (LG/OG)	Fuel injector 6, control
2	391 (RD/YE)	PCM power relay, switched power

C186

C187 (GY)
12B637
Fuel injector 7 (9F593)

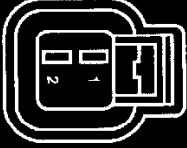


FEMALE

Pin	Circuit	Circuit function
1	561 (TN/RD)	Fuel injector 7, control
2	391 (RD/YE)	PCM power relay, switched power

C187

C188 (GY)
12B637
 Fuel Injector 8 (9F553)

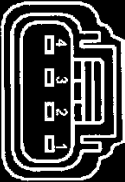


FEMALE

Pin	Circuit	Circuit function
1	562 (LB)	Fuel Injector 8, control
2	391 (RD/YE)	PCM power relay, switched power

C188

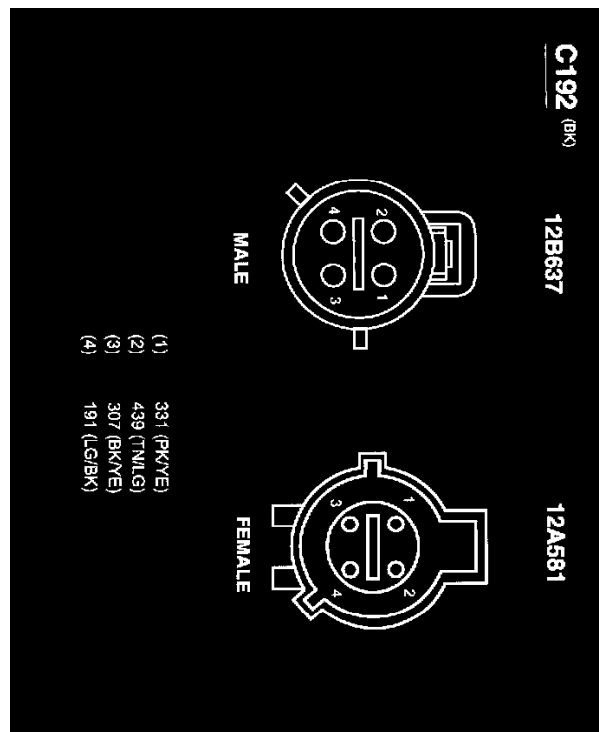
C191 (BK)
12B637
 Intake Manifold
 Tuning Valve
 (IMTV)



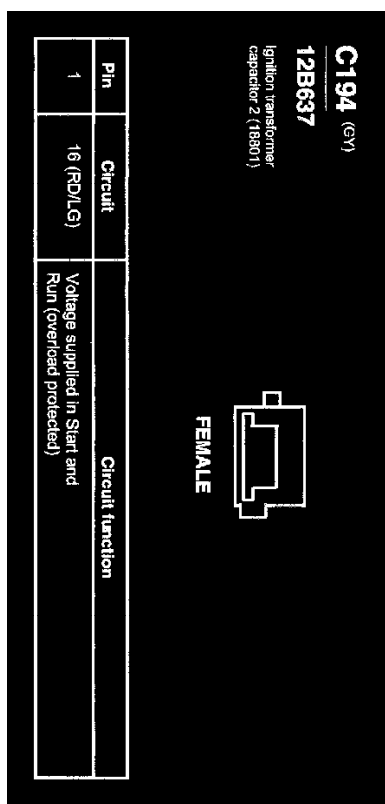
FEMALE

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, switched power
2	670 (BK/WH)	Ground
3	1022 (DB/YE)	Intake Manifold Tuning Valve (IMTV), control
4	-	not used

C191

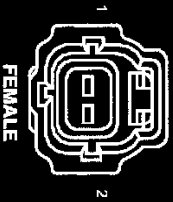


C192



C194

C196 (BK)
12A581
Daytime
running lamps
resistor



FEMALE

Pin	Circuit	Circuit function
1	471 (OG/LG)	Daytime Running Lamps resistor, to Daytime Running Lamps (DRL) relay 3
2	554 (YE/BK)	Voltage supplied at all times (overhead protected)

C196

C197a
14B060
14300
Starter motor (1100Z)



Pin	Circuit	Circuit function
1	113 (YE/LB)	Starter relay (1450), switched power, output

C197a

C197b

14B060

14300

Starter motor (11002)



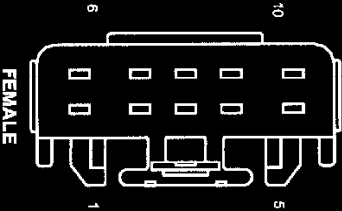
Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C197b

C202a (GY)

14401

Multifunction switch

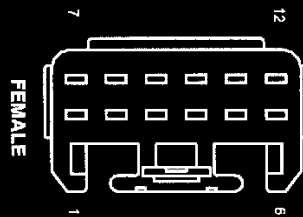


Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Indicator flasher relay (13350), turn signal output
3	385 (WH/RD)	Indicator flasher relay (13350), hazard, output
4	-	not used
5	-	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	-	not used

C202a

C202b (GY)**14401**

Multifunction switch

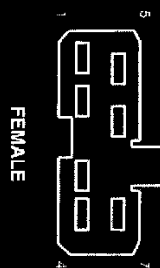


Pin	Circuit	Circuit function
1	63 (RD)	Front wiper switch circuit A
2	56 (DB/OG)	Front wiper switch circuit C
3	58 (WH)	Front wiper switch circuit B
4	61 (YE/RD)	Front wiper switch circuit H
5	589 (OG)	Front washer switch circuit W
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	-	not used
12	-	not used

C202b

C203 (BK)**14401**

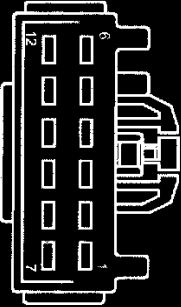
Power sliding rear window switch



Pin	Circuit	Circuit function
1	405 (VT/LB)	Rear window adjust switch to window motor
2	400 (LB/BK)	Accessory delay relay, switched output
3	57 (BK)	Ground
4	57 (BK)	Ground
5	19 (LB/RD)	Instrument illumination, feed
6	57 (BK)	Ground
7	404 (VT/LG)	Rear window adjust switch to window motor

C203

C205a (GY)
14401
 Main light switch
 (11654)

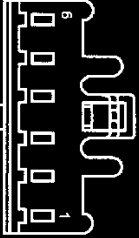


with auto lamps
 with fog lamps

Pin	Circuit	Circuit function
1	-	not used
2	**14 (BN)	Power, exterior lamps
3	-	not used
4	-	not used
5	**275 (YE)	Fog lamp relay, feed
6	**57 (BK)	Ground
7	*1399 (DB/WH)	Voltage supplied with autolamps on
8	196 (DB/OG)	Voltage supplied at all times (overload protected)
9	15 (RD/YE)	Power, Hd with Headlamps on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	-	not used
12	14 (BN)	Power, exterior lamps

C205a

C205b (BK)
14401
 Main light switch
 (11654)

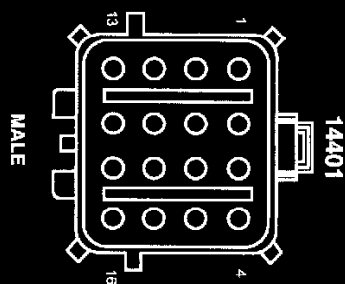


Pin	Circuit	Circuit function
1	19 (LB/RD)	Instrument illumination, feed
2	402 (OG/LG)	Interior lamps control
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	14 (BN)	Power, Exterior lamps

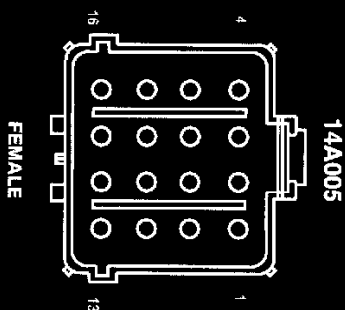
C205b

C210 (BK)

* with power sliding rear window
 ** with power mirrors



(1)	802 (OG/RD)
(2)	803 (BN/PK)
(3)	85 (BN/LB)
(4)	-
(5)	811 (DG/OG)
(6)	805 (WH/LG)
(7)	-
(8)	**2 (WH/LB)
(9)	-
(10)	*405 (VT/LB)
(11)	-
(12)	-
(13)	-
(14)	*404 (VT/LG)
(15)	-
(16)	-

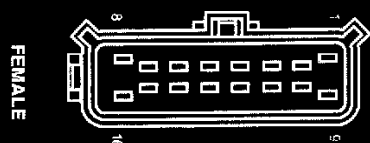
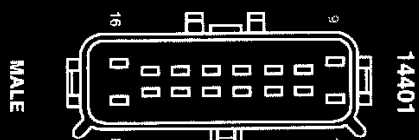


(1)	802 (OG/RD)
(2)	803 (BN/PK)
(3)	85 (BN/LB)
(4)	-
(5)	811 (DG/OG)
(6)	805 (WH/LG)
(7)	-
(8)	**2 (WH/LB)
(9)	-
(10)	*405 (VT/LB)
(11)	-
(12)	-
(13)	-
(14)	*404 (VT/LG)
(15)	-
(16)	-

C210

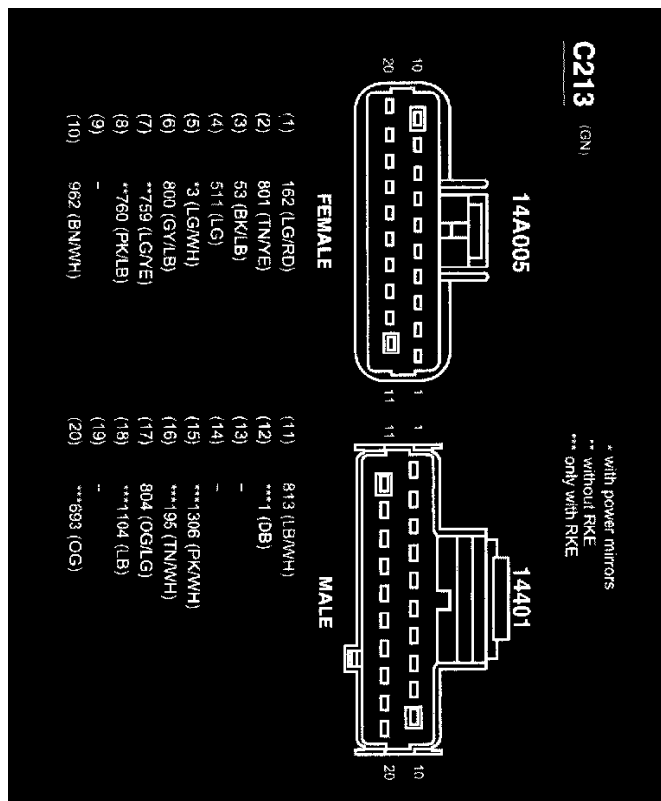
C211 (BK)

* with auxiliary fuel tank
 ** with rear parking aid

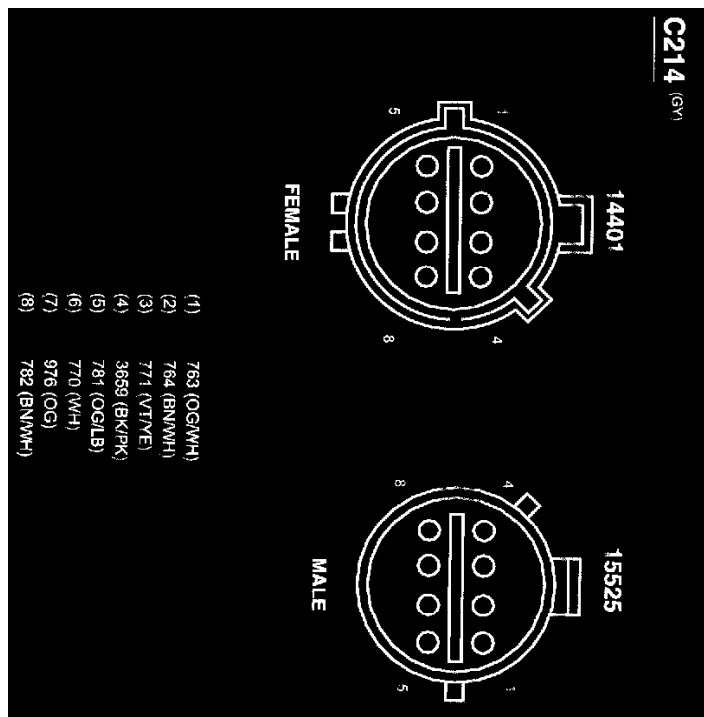


(1)	43 (DB)
(2)	14 (BN)
(3)	53 (BK/LB)
(4)	*786 (RD)
(5)	29 (VE/WH)
(6)	511 (LG)
(7)	*789 (BN/WH)
(8)	386 (BK/OG)
(9)	787 (PK/BK)
(10)	43 (DB)
(11)	*675 (TE/LB)
(12)	**1439 (BN/PK)
(13)	-
(14)	**1440 (DG/YE)
(15)	**1441 (WH/LG)
(16)	**1442 (DG/WH)
(17)	-
(18)	**1443 (WH/LB)
(19)	-
(20)	**1444 (DB/YE)
(21)	982 (BN/WH)

C211



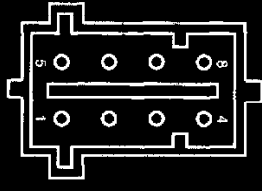
C213



C214

C218a (GY)
14401
Air bag sliding
contact (14A864)

* with steering wheel controls

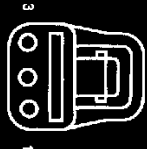


FEMALE

Pin	Circuit	Circuit function
1	158 (BK/PK)	Key warning switch (11A127), input
2	133 (BK)	Speed control switch return
3	1 (DB)	Horn relay, control
4	*595 (LB/RD)	Auxiliary audio controls, steering wheel
5	57 (BK)	Ground
6	*19 (LB/RD)	Instrument illumination, feed
7	151 (LB/BK)	Speed control switch, input
8	*1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal

C218a

C218b (BK)
14401
Air bag sliding
contact (14A864)



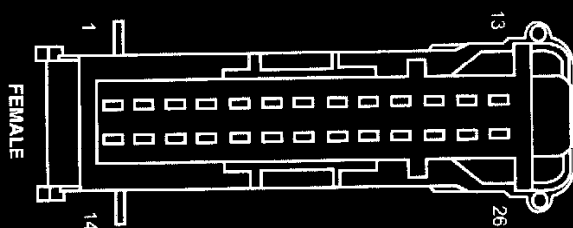
FEMALE

Pin	Circuit	Circuit function
1	615 (GY/WH)	Driver air bag, return
2	-	not used
3	614 (GY/OG)	Driver air bag, feed, monitor

C218b

C220a (BK)**14401**

Instrument Cluster



*with message center

**with compass

***with dual tanks

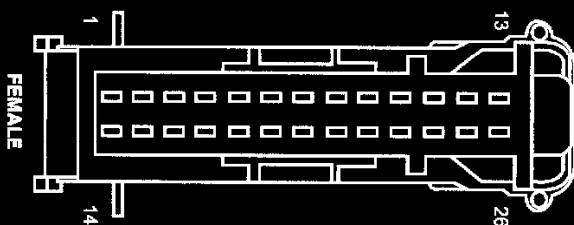
Pin	Circuit	Circuit function
1	3 (LG/WH)	Turn lamps, feed, left front
2	12 (LG/BK)	Power, not with high beams on
3	2 (WH/LB)	Turn lamps, feed, right front
4	-	not used
5	***789 (BN/WH)	Fuel tank selector valve +/-
6	1083 (LB/PK)	Air bag, tone driver
7	-	not used
8	-	not used
9	-	not used
10	57 (BK)	Ground
11	-	not used
12	19 (LB/RD)	Instrument illumination, feed
13	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)

Pin	Circuit	Circuit function
14	608 (BK/YE)	Air bag indicator, control
15	904 (LG/RD)	Generator/Battery indicator, control
16	-	not used
17	-	not used
18	**703 (WH/OG)	Compass data -
19	**702 (WH/BK)	Compass data +
20	*1411 (GY/OG)	Message center switch input
21	*143 (LB/YE)	Message center switch, power
22	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
23	-	not used
24	158 (BK/PK)	Key warning switch (11A127), input
25	54 (LG/YE)	Battery saver relay, switched output
26	705 (LG/OG)	Voltage supplied at all times (overload protected)

C220a

C220b (BL)**14401**

Instrument Cluster

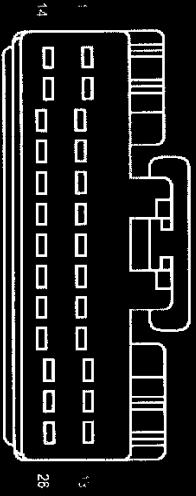


* with RKE
 ** Diesel with dual tanks

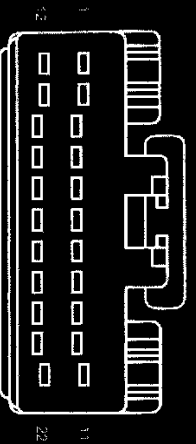
Pin	Circuit	Circuit function
1	531 (DG/YE)	Brake fluid level switch (2L414), signal
2	-	not used
3	85 (BN/LB)	Safety belt buckle switch (10B924), input
4	1332 (LB)	Accessory delay relay, control
5	-	not used
6	1909 (BK)	High speed CAN -
7	1908 (WH)	High speed CAN +
8	396 (BK/OG)	Fuel sender, return
9	**675 (YE/LB)	Reference voltage
10	29 (YE/WH)	Fuel pump/fuel gauge, signal
11	693 (OG)	UBP Diagnostics
12	676 (PK/OG)	Ground
13	785 (BK/LG)	Voltage supplied at all times (overload protected)

Pin	Circuit	Circuit function
14	512 (TN/LG)	Brake fluid level switch (2L414), return
15	1308 (BN/OG)	Engine oil pressure indicator, control
16	-	not used
17	142 (LB/RD)	Air filter sensor signal, input - Diesel only
18	162 (LG/RD)	Parking brake switch, input
19	3049 (BK/LG)	Voltage supplied at all times (overload protected)
20	-	not used
21	210 (LB)	Four-wheel drive High indicator, control
22	975 (BN/YE)	Four-wheel drive Low indicator, control
23	760 (PK/LB)	* Door ajar switch, right rear, signal Door ajar switch, right front, right rear, left rear, signal
24	759 (LG/YE)	* Door ajar switch, left rear, signal Door ajar switch, left front, signal
25	402 (OG/LG)	Interior lamps control
26	53 (BK/LB)	Interior lamps relay, switched output

C220b

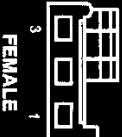
C228a (OV)		
14401		
Electronic Automatic Temperature Control (EATC) module (1998-)		
		
Pin	Circuit	Circuit function
1	-	not used
2	676 (PK/OG)	Ground
3	752 (YE/RD)	Blower motor speed controller, Signal return
4	436 (RD/LG)	Air temperature door variable resistor +
5	1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal
6	-	not used
7	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
8	-	not used
9	1106 (LG/WH)	Remote solenoid assembly, common
10	261 (OG/BK)	Blower motor, High
11	1111 (VT)	Remote solenoid #5, control
12	1110 (LG/VT)	Remote solenoid #4, control
13	1107 (WH)	Remote solenoid #1, control
14	19 (LB/RD)	Instrument illumination, feed
15	-	not used
16	754 (LG/WH)	Blower motor speed controller, command
17	-	not used
18	-	not used
19	790 (WH/OG)	In-vehicle temperature sensor (19C734) +
20	217 (DB/OG)	Temperature blend door actuator, control, signal
21	437 (YE/LG)	Blend door actuator, position sense, monitor
22	-	not used
23	369 (BN/YE)	Blower motor relay, feed
24	-	not used
25	1109 (OG/BK)	Remote solenoid #3, control
26	1108 (TN/WH)	Remote solenoid #2, control

C228a

C228b (OV)		
14401		
Electronic Automatic Temperature Control (EATC) module (1998-)		
		
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	693 (OG)	UBP Diagnostics
4	-	not used
5	470 (PK/BK)	Sensor signal return
6	438 (RD/WH)	Air temperature door variable resistor -
7	-	not used
8	-	not used
9	-	not used
10	-	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used
17	-	not used
18	348 (VT)	A/C demand signal
19	250 (OG)	Blend door actuator -
20	249 (DB/LG)	Blend door actuator +
21	-	not used
22	296 (WH/VT)	Voltage in Run (overload protected)

C228b

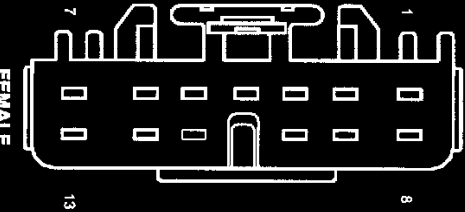
C233 (GY)
14401
In-vehicle
temperature sensor
(19C734)



Pin	Circuit	Circuit function
1	790 (WH/OG)	In-vehicle temperature sensor (19C734) +
2	-	not used
3	470 (PK/BK)	Sensor signal return

C233

C250 (GY)
14401
Ignition Switch

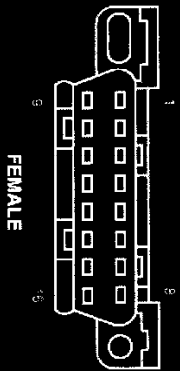


Pin	Circuit	Circuit function
1	16 (RDL/G)	Voltage supplied in Start and Run (overload protected)
2	325 (DB/OG)	Voltage supplied at all times (overload protected)
3	964 (DB/LG)	Voltage supplied in Accessory or Run (overload protected)
4	-	not used
5	1522 (DG)	Voltage supplied in Start (overload protected)
6	-	not used
7	37 (YE)	Voltage supplied at all times (overload protected)
8	687 (GY/YE)	Voltage supplied in Run (overload protected)
9	1050 (LS/VT)	Voltage supplied at all times (overload protected)
10	-	not used
11	-	not used
12	37 (YE)	Voltage supplied at all times (overload protected)
13	1040 (RD/BK)	Voltage supplied in Run (overload protected)

C250

C251 (BK)
14401

Data Link Connector
(DLC) (14499)



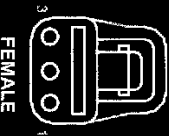
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	693 (OG)	UBP Diagnostics
4	57 (BK)	Ground
5	570 (BK/WH)	Ground
6	1908 (WH)	High speed CAN +
7	70 (LB/WH)	ISO Bus
8	-	not used
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	107 (VT)	Flash EE prom module programming signal (FEPS)
14	1909 (BK)	High speed CAN -
15	-	not used
16	40 (LB/WH)	Voltage supplied at all times (overload protected)

C251

C256 (BK)

14401

Passenger air bag
module (1504A/4)

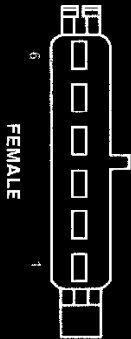


Pin	Circuit	Circuit function
1	616 (PK/BK)	Passenger air bag, return
2	-	not used
3	607 (LB/OG)	Passenger air bag, feed, monitor

C256

C257 (GV)
12A581
Clutch pedal
position switch

*Diesel

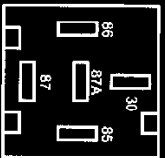


FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	570 (BK/WH) *640 (RD/YE) (overload protected)	Ground Voltage supplied in Start and Run (overload protected)
4	306 (TN/LB)	Clutch pedal deactivation switch signal
5	92 (LB/YE)	Clutch pedal starter interlock switch signal
6	570 (BK/WH)	Ground

C257

C258
14401
Upfilter
relay



FEMALE

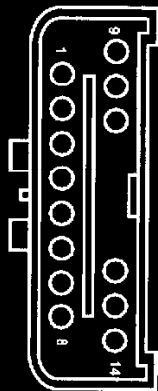
Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (overload protected)
85	-	Voltage in Run (overload protected)
86	-	Ground
87	-	Switched output, voltage in run
87A	-	not used

C258

C264 (BK)

*With Marker Lamps
**With Roof opening panel
***With Electromechanic mirror

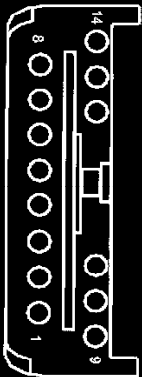
14401



MALE

- (1) - **53 (BK/LB)
- (2) ***676 (PK/OG) (9) **19 (LB/RD)
- (3) - ***640 (RD/YE) (10)
- (4) **14 (BN) (11) 54 (LGYE)
- (5) 57 (BK) (12) ***140 (BK/PK)
- (6) - ***703 (WH/OG) (13)
- (7) **400 (LB/BK) (14) ***702 (WH/BK)

17C712/15A404



FEMALE

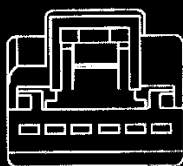
- (1) - (8) **53 (BK/LB)
- (2) ***676 (PK/OG) (9) **19 (LB/RD)
- (3) - ***640 (RD/YE) (10)
- (4) **14 (BN) (11) 54 (LGYE)
- (5) 57 (BK) (12) ***140 (BK/PK)
- (6) - ***703 (WH/OG) (13)
- (7) **400 (LB/BK) (14) ***702 (WH/BK)

C264

C265 (GY)

14401

Message Center Switch



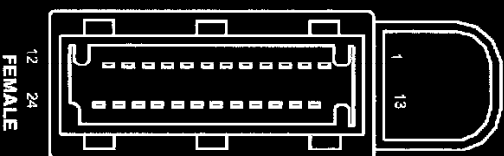
FEMALE

Pin	Circuit	Circuit function
1	19 (LB/RD)	Instrument illumination, feed
2	143 (LB/YE)	Message center switch, power
3	1411 (GY/OG)	Message center switch input
4	57 (BK)	Ground
5	-	not used
6	-	not used

C265

C270a (BK)**14401**Control Junction
Box (CJB)
(144007)

* with Remote Keyless Entry



Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched output
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	-	not used
5	298 (VT/OG)	Voltage in Run (overload protected)
6	-	not used
7	*1306 (PK/WH)	Voltage supplied at all times (overload protected)
8	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
9	-	not used
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	57 (BK)	Ground
12	295 (LB/PK)	Voltage in Run (overload protected)

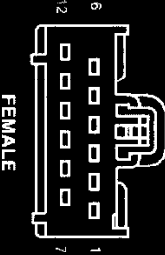
Pin	Circuit	Circuit function
13	12 (LG/BK)	Power, Hot with High Beams on
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Voltage supplied at all times (overload protected)
16	294 (WH/LB)	Voltage in Run (overload protected)
17	275 (YE)	Fog lamp relay, control
18	609 (OG/YE)	Voltage in Run (overload protected)
19	1 (DB)	Horn relay, control
20	296 (WH/VT)	Voltage in Run (overload protected)
21	295 (LB/PK)	Voltage in Run (overload protected)
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Accessory delay relay, switched output
24	-	not used

C270a

C270b (GY)

14401

Central Junction
Box (CJB)
(14A067)



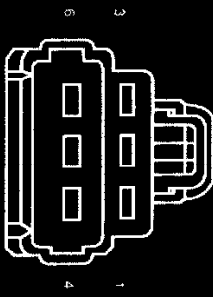
Pin	Circuit	Circuit function
1	1792 (PK)	Voltage supplied at all times (overload protected)
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	-	not used
4	-	not used
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied in Start (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	-	not used
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270b

C270c (BK)

14401

Central Junction
Box (CJB)
(14A067)



Pin	Circuit	Circuit function
1	1040 (RD/BK)	Voltage supplied in Run (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1050 (LG/NT)	Voltage supplied at all times (overload protected)
4	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
5	687 (GY/YE)	Voltage supplied in Run (overload protected)
6	964 (DB/LG)	Voltage supplied in Accessory and Run (overload protected)

C270c

C270d (CV)
14401
Central Junction
Box (CJB)
(14A067)

* with Adjustable pedals
** with Power sliding window or
roof opening panel

FEMALE

Pin	Circuit	Circuit function
1	3049 (BK/LG)	Voltage supplied at all times (overload protected)
2	-	not used
3	*1667 (RD/LB)	Voltage supplied at all times (overload protected)
4	-	not used
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	**400 (LB/BK)	Accessory delay relay, switched output
7	40 (LB/WH)	Voltage supplied at all times (overload protected)
8	19 (LB/RD)	Instrument illumination, feed

C270d

C270e (BK)
14401
Central Junction
Box (CJB)
(14A067)

FEMALE

Pin	Circuit	Circuit function
1	50 (RD)	Voltage supplied at all times (overload protected)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected)
4	325 (DB/OG)	Voltage supplied at all times (overload protected)

C270e

C270f (BK)
12A581
Central Junction
Box (CJB)
(14A067)

*Diesel
**Gas
***with Under hood lamp

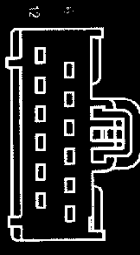
Pin	Circuit	Circuit function
1	-	not used
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	-	not used
5	*57 (BK)	Ground
6	**570 (BK/WH)	Ground
7	33 (WH/PK)	Voltage supplied in Start (overload protected)
8	***54 (LG/YE)	Battery saver relay, switched output
9	324 (YE/LG)	Reversing lamps relay, control
10	329 (PK)	Starter relay, control
11	570 (BK/WH)	Ground
12	*926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270f

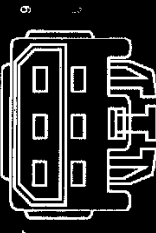
C270g (BK)
12A581
Central Junction
Box (CJB)
(14A067)

Pin	Circuit	Circuit function
1	140 (BK/PK)	Reversing lamps relay, switched output
2	113 (YE/LB)	Starter relay (11450) switched power, output
3	-	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	-	not used
6	49 (OG)	Trailer tow battery charge relay, switched output
7	-	not used
8	-	not used

C270g

C270h (BK)		
12A581		
Central Junction Box (CJB) (14A067)		
		
*With Fog lamps **With Diesel, DRL or ESOF		
Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	*478 (TN/OG)	Fog lamp relay, output, to fog lamps
3	14 (BN)	Power, Exterior lamps
4	-	not used
5	361 (RD)	PCM power relay, switched power
6	391 (RD/YE)	PCM power relay, switched power
7	**295 (LB/PK)	Voltage supplied in Run (overload protected)
8	33 (WH/PK)	Voltage supplied in Start (overload protected)
9	6 (YE/LG)	Horn relay, switched power, output
10	-	not used
11	-	not used
12	-	not used

C270h

C270I (GY)		
14A005		
Central Junction Box (CJB) (14A067)		
		
*With Heated seats **With Passenger power seats		
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	*1153 (RD/BK)	Voltage supplied at all times (overload protected)
4	**51 (BK/WH)	Voltage supplied at all times (overload protected)
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory delay relay, switched output

C270I

C270j (BK)

*with Power equipment

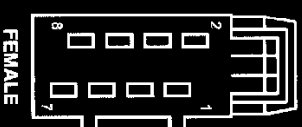
14A005

Central Junction
Box (CJB)
(14A087)

FEMALE

Pin	Circuit	Circuit function
1	—	not used
2	—	not used
3	*956 (OG/LG)	Voltage supplied at all times (overload protected)
4	—	not used
5	—	not used
6	—	not used
7	*59 (DG/MT)	HTD mirror relay, switched output
8	—	not used
9	—	not used
10	*295 (LB/PK)	Voltage supplied in Run (overload protected)
11	*194 (PK)	Accessory delay relay, switched output
12	*14 (BN)	Power, Exterior lamps
13	—	not used
14	*295 (LB/PK)	Voltage supplied in Run (overload protected)
15	962 (BN/MH)	Trailer tow relay, parking lamp, switched output
16	54 (LG/YE)	Battery saver relay, switched output

C270j

C270k (NA)			
14A303			
Central Junction Box (CJB) (14A087)			
Pin	Circuit	Circuit function	
1	-	not used	
2	1447 (RD)	Voltage supplied at all times (overload protected)	
3	-	not used	
4	1717 (VT/OG)	Voltage supplied in Start and Run (overload protected)	
5	19 (LB/RD)	Instrument illumination, feed	
6	1445 (RD/LG)	Voltage supplied at all times (overload protected)	
7	1446 (RD/LB)	Voltage supplied at all times (overload protected)	
8	1448 (OG/RD)	Voltage supplied at all times (overload protected)	

C270k

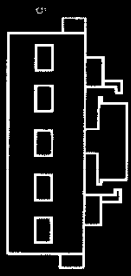
C270p
12A581
Central function
Box (CLB)
(14A0B7)



Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

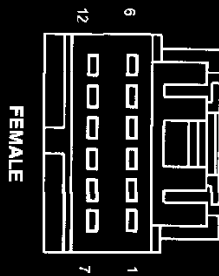
C270p

C278 (TN)
14401
Brake pedal
position switch
(13480)

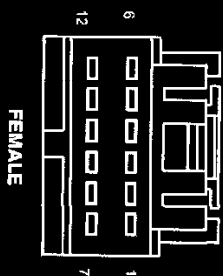


Pin	Circuit	Circuit function
1	10 (LG/RD)	Voltage supplied at all times (overload protected)
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	810 (RD/LG)	Brake pedal position switch (13480), input
5	676 (PK/OG)	Ground

C278

C281a (BK)**14401**Four-wheel
drive control
module
(148489)

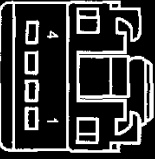
Pin	Circuit	Circuit function
1	1306 (PK/WH)	Voltage supplied at all times (overload protected)
2	1306 (PK/WH)	Voltage supplied at all times (overload protected)
3	57 (BK)	Ground
4	810 (RD/LG)	Brake pedal position switch (13480), input
5	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
6	1002 (BK/PK)	Voltage supplied in Run or Accessory (overload protected)
7	976 (OG)	Power to encoder
8	3659 (BK/PK)	Encoder, Ground, return
9	771 (VT/YE)	Motor position 5
10	764 (BN/WH)	Motor position 3
11	770 (WH)	Motor position 4
12	763 (OG/WH)	Motor position 2

C281a**C281b (GY)****14401**Four-wheel
drive control
module
(148485)

Pin	Circuit	Circuit function
1	145 (GY/BK)	Electronic Shift On the Fly (ESOF) solenoid, 4X4, control
2	780 (DB)	Four-wheel drive switch, position signal
3	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
4	463 (RD/WH)	Four-wheel drive control module neutral switch sense
5	782 (BN/WH)	Transfer case low to high relay, control
6	781 (OG/LB)	Transfer case high to low relay, control
7	605 (RD)	Electronic Shift On the Fly (ESOF) solenoid, 4X2, control
8	-	not used
9	465 (WH/LB)	Four-wheel drive switch, signal return
10	70 (LB/WH)	ISO Bus
11	975 (BN/YE)	Four-wheel drive Low indicator, control
12	210 (LB)	Four-wheel drive High indicator, control

C281b

C284 (BK)
14401
Four-wheel drive switch



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	465 (WH/LB)	Four-wheel drive switch, signal return
3	780 (DB)	Four-wheel drive switch, position signal
4	19 (LB/RD)	Instrument illumination, feed

C284

C286 (BK)
14401
Sunload sensor (13A01B)



FEMALE

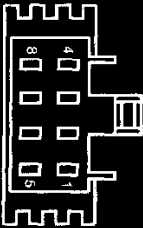
Pin	Circuit	Circuit function
A	*217 (DB/OG)	Sunload sensor, signal
B	**57 (BK)	Ground
C	*676 (PK/OG) 1104 (LB)	Sunload sensor, signal

* with EATC
** without EATC

C286

C289 (WH)
14401

Temperature
blend door
actuator
(1986-15)



FEMALE

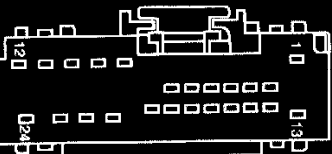
* with manual A/C
** with EATC

Pin	Circuit	Circuit function
1	**437 (VE/LG)	Temperature blend door actuator, control, signal
2	-	not used
3	*437 (YE/LG)	Temperature blend door actuator, control, signal
4	** -	not used
	*436 (RD/LG)	Air temperature door variable resistor +
5	**436 (RD/LG)	Air temperature door variable resistor +
6	438 (RD/WH)	Air temperature door variable resistor -
7	**249 (DB/LG)	Blend door actuator +
	*296 (WH/VT)	Voltage in Run (overload protected)
8	**250 (OG)	Blend door actuator -
	*57 (BK)	Ground

C289

C290a (GY)
14401

Radio (18806)

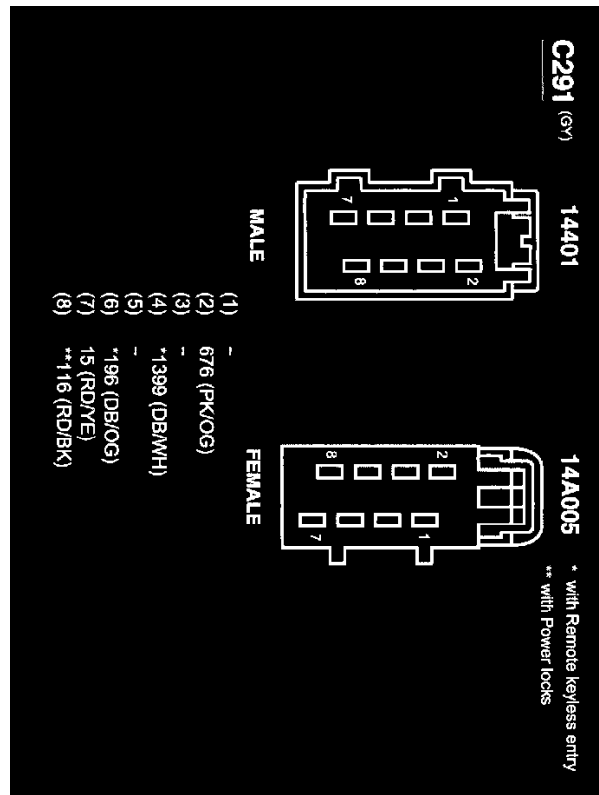


FEMALE

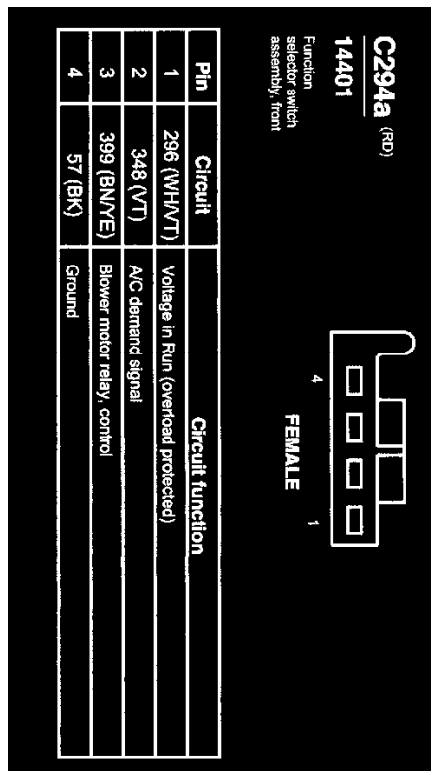
* with steering wheel radio controls

Pin	Circuit	Circuit function
1	797 (LG/VT)	Voltage supplied at all times (overload protected)
2	194 (PK)	Accessory delay relay, switched output
3	19 (LB/RD)	Instrument illumination, feed
4	57 (BK)	Ground
5	-	not used
6	-	not used
7	-	not used
8	804 (OG/LG)	Speaker, left front (18808) +
9	800 (GY/LB)	Rear Integrated Control Panel (RICP) (19980) +
10	802 (OG/RD)	Rear Integrated Control Panel (RICP) (19980) +
11	805 (WH/LG)	Speaker, right front (18808) +
12	811 (DG/OG)	Speaker, right front (18808) -
13	694 (BK/LG)	Ground
14	679 (GY/BK)	Vehicle speed sensor (VSS), signal
15	1000 (RD/BK)	Voltage supplied in Start (overload protected)
16	-	not used
17	-	not used
18	*595 (LB/RD)	Auxiliary audio controls, steering wheel
19	-	not used
20	-	not used
21	813 (LB/WH)	Speaker, left front (18808) -
22	801 (TN/YE)	Speaker, left rear (18808) -
23	803 (BN/PK)	Speaker, right rear (18808) -
24	-	not used

C290a



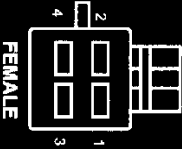
C291



C294a

C294b (BK)		
14401		
Function selector switch assembly, front		
		
Pin	Circuit	Circuit function
1	19 (LB/RD)	Instrument illumination, feed
2	57 (BK)	Ground

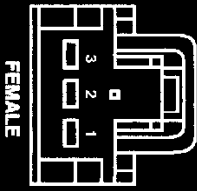
C294b

C294c (BK)		
14401		
Function selector switch assembly		
		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	261 (OG/BK)	Blower motor, to switch - High
3	752 (YE/RD)	Blower motor, speed control, low
4	754 (LG/WH)	Blower switch speed control, to resistor

C294c

C294d (WH)
14401

Function selector switch assembly, front

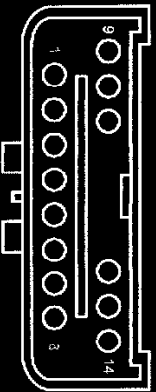


Pin	Circuit	Circuit function
1	438 (RD/WH)	Air temperature door variable resistor -
2	437 (YE/LG)	Temperature blend door actuator, control, signal
3	436 (RD/LG)	Air temperature door variable resistor +

C294d

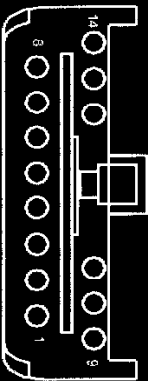
C300 (GY)
14401

Function selector switch assembly, front



15K867

Function selector switch assembly, front



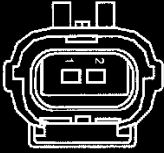
(1)	1441 (WH/LG)	(8)	1444 (DB/YE)
(2)	1442 (DG/WH)	(9)	1443 (WH/LB)
(3)	140 (BK/PK)	(10)	1436 (VT/OG)
(4)	1435 (DG/VT)	(11)	1440 (DG/YE)
(5)	70 (LB/WH)	(12)	1439 (BN/PK)
(6)	57 (BK)	(13)	-
(7)	296 (LB/PK)	(14)	-

C300

C301 (GY)

14687

Power sliding rear window motor
(14A064)



FEMALE

Pin	Circuit	Circuit function
1	404 (VT/LG)	Rear window adjust switch to window motor
2	405 (VT/LB)	Rear window adjust switch to window motor

C301

C312 (GY)

14A005

MALE



14687

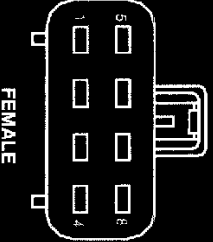
FEMALE



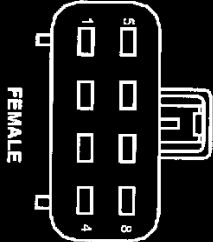
(1) 404 (VT/LG)

(2) 405 (VT/LB)

C312

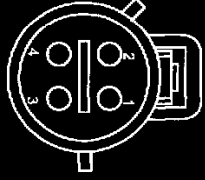
C320 (BN) 14B084 Seat heater switch, driver side			
Pin	Circuit	Circuit function	
1	1064 (YE/LB)	Seat cushion heater, left front, heater, feed	
2	1255 (WH/RD)	Heated seat relay, switched output	
3	-	not used	
4	57 (BK)	Ground	
5	-	not used	
6	-	not used	
7	-	not used	
8	-	not used	

C320

C321 (BN) 14B084 Seat heater switch, passenger side			
Pin	Circuit	Circuit function	
1	1064 (YE/LB)	Seat cushion heater, right front, heater, feed	
2	1255 (WH/RD)	Heated seat relay, switched output	
3	-	not used	
4	57 (BK)	Ground	
5	-	not used	
6	-	not used	
7	-	not used	
8	-	not used	

C321

C323 (GY)
14B084
 Safety belt buckle switch (10B924)

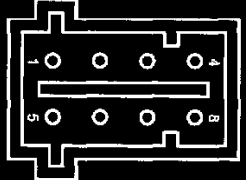


Circuit function

Pin	Circuit	Circuit function
1	85 (BN/LB)	Safety belt buckle switch (10B924), input
2	-	not used
3	-	not used
4	57 (BK)	Ground

C323

C330 (BK)
14B084
 Seat adjust switch passenger side front



Circuit function

Pin	Circuit	Circuit function
1	989 (RD/LG)	Front height motor, Down
2	51 (BK/W/H)	Voltage supplied at all times (overload protected)
3	987 (RD/W/H)	Fwd/Rwd motor, Rearward
4	57 (BK)	Ground
5	984 (YE/LB)	Rear height motor, Up
6	988 (YE/LG)	Front height motor, Up
7	985 (RD/LB)	Rear height motor, Down
8	986 (YE/W/H)	Fwd/Rwd motor, Forward

C330

C334 (BK)
14B084
Seat cushion
heater, right
front



MALE

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Seat back heater, right front, heater, feed
2	-	not used
3	-	not used
4	1064 (YE/LB)	Seat cushion heater, right front, heater, feed

C334

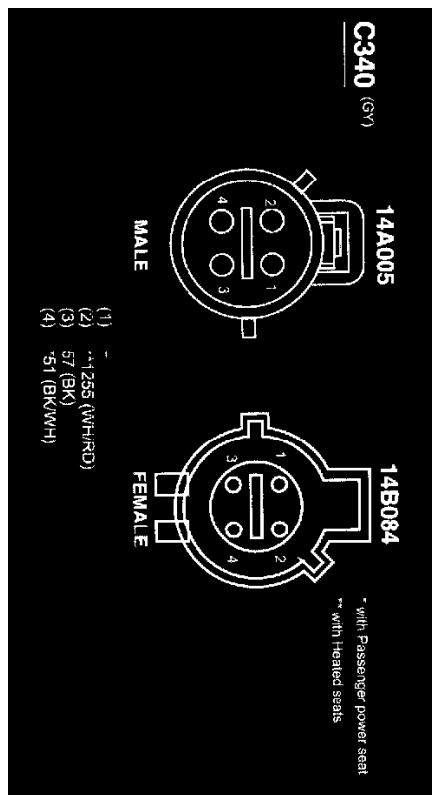
C335 (BK)
14B084
Seat back
heater, right
front



MALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	1066 (GY/LB)	Seat back heater, right front, heater, feed

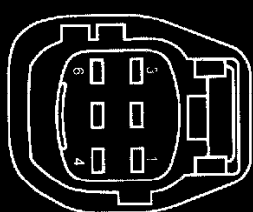
C335



C340

C350a (GY)
15525

*Transfer case assembly



FEMALE

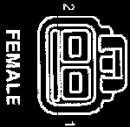
Pin	Circuit	Circuit function
1	763 (OG/WH)	Motor position 2
2	976 (OG)	Power to encoder
3	764 (BN/WH)	Motor position 3
4	3659 (BK/PK)	Encoder, ground, return
5	771 (VT/YE)	Motor position 5
6	770 (WH)	Motor position 4

C350a

C350b (BK)

15525

Transfer case assembly



FEMALE

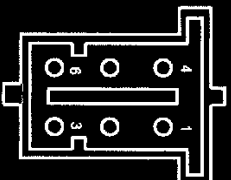
Pin	Circuit	Circuit function
1	778 (OG)	Transfer case High to Low, feed
2	777 (YE)	Transfer case Low to High, feed

C350b

C357 (BN)

14B084

Power seal motor assembly, left



MALE

Pin	Circuit	Circuit function
1	980 (YE/WH)	Fwd/Rwd motor, Forward
2	983 (RD/LG)	Rear height motor, Up
3	982 (YE/LG)	Rear height motor, Down
4	981 (RD/WH)	Fwd/Rwd motor, Forward
5	990 (YE/LB)	Front height motor, Down
6	979 (RD/LB)	Front height motor, Up

C357

C359
14B084
 Heated seat
 relay, driver
 side front

FEMALE

Pin	Circuit	Circuit function
30	1153 (RD/BK)	Voltage supplied at all times (overload protected)
85	295 (LB/PK)	Voltage supplied in Run (overload protected)
86	57 (BK)	Ground
87	1255 (WH/RD)	Heated seat relay, switched output
87a	-	not used

C359

C360 (BK)
14B084
 Seat adjust
 switch, driver
 side front
 (14A701)

MALE

Pin	Circuit	Circuit function
1	990 (YE/LB)	Front height motor, Down
2	983 (RD/LG)	Rear height motor, Up
3	982 (YE/LG)	Rear height motor, Down
4	566 (DG)	Voltage supplied at all times (overload protected)
5	979 (RD/LB)	Front height motor, Up
6	981 (RD/MH)	Fwd/Rwd motor, Forward
7	980 (YE/MH)	Fwd/Rwd motor, Rearward
8	57 (BK)	Ground

C360

C364 (BK)
14B084
 Seat cushion
 heater, left
 front

MALE

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Seat cushion heater, left front, heater, feed
2	-	not used
3	-	not used
4	1064 (YE/LB)	Seat back heater, left front, heater, feed

C364

C365 (BK)
14B084
 Seat back
 heater
 left front

MALE

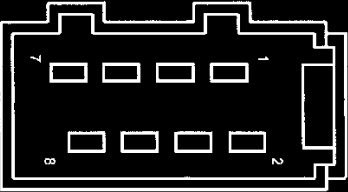
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	1066 (GY/LB)	Seat cushion heater, left front, heater, feed

C365

C369 (TN)

14B084

Seat adjust
switch, driver
848 (OM)
(14A/C1)



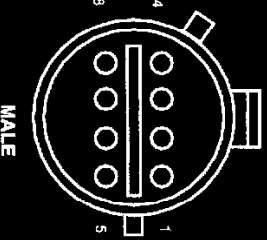
MALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	979 (RD/LB)	Front height motor, Up
3	980 (YE/WH)	Fwd/Rwd motor, Rearward
4	982 (YE/LG)	Rear height motor, Down
5	981 (RD/WH)	Fwd/Rwd motor, Forward
6	983 (RD/LG)	Rear height motor, Up
7	566 (DG)	Voltage supplied at all times (overload protected)
8	990 (YE/LB)	Front height motor, Down

C369

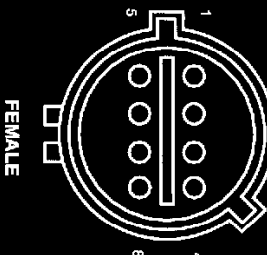
C408 (GY)

13A409



MALE

14A05



FEMALE

(1) 5 (OG/LB)

(2) 9 (LG/OG)

(3) 140 (BK/PK)

(4) 14 (BN)

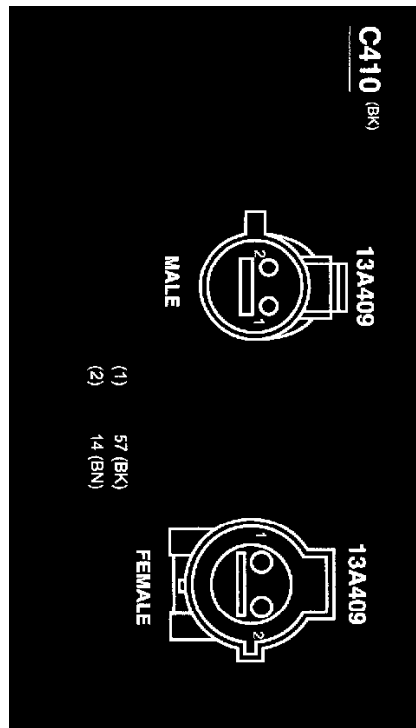
(5) 57 (BK)

(6) 511 (LG)

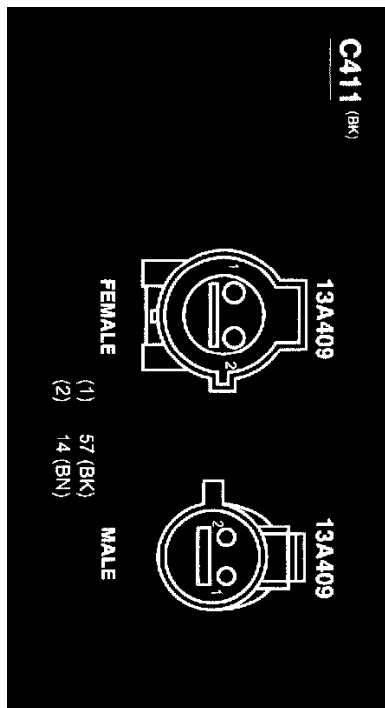
(7) -

(8) -

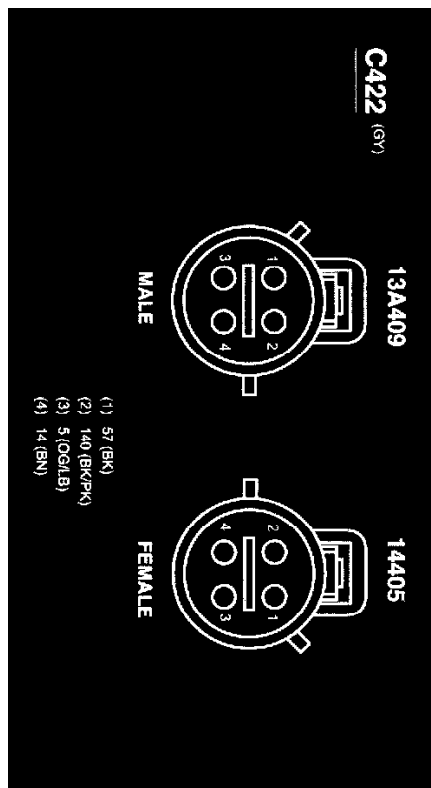
C408



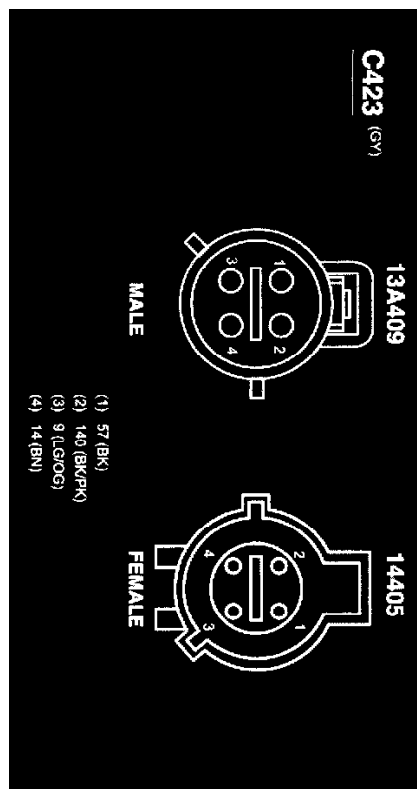
C410



C411



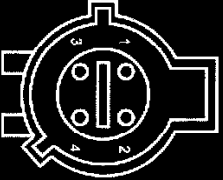
C422



C423

C433 (BK)
14405
Fuel tank unit
(9H307)

Diesel

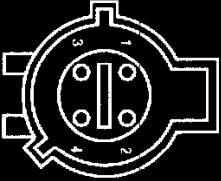


FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	29 (Y/WH)	Fuel sender, signal
3	-	not used
4	396 (BK/OG)	Fuel sender, return

C433

C434 (BK)
14405
Fuel tank unit
(9H307)



FEMALE

Pin	Circuit	Circuit function
1	922 (WH/RD)	Sensor, Power
2	29 (Y/WH)	Fuel sender (9H307), signal
3	886 (WH)	Inertia fuel shutoff switch ground
4	396 (BK/OG)	Fuel sender (9H307), return

C434

C435 (GV)
14405
 Fuel tank pressure transducer (9C052)

FEMALE

Pin	Circuit	Circuit function
1	3074 (BK/OG)	Fuel tank pressure transducer sensor voltage reference
2	1703 (RD/LG)	Signal return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C052), signal

C435

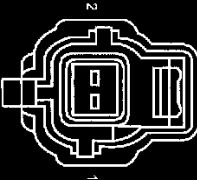
C438 (BK)
14405
13A409
 Rear marker lamp assembly

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps
4	-	not used

C438

C450 (BK)
14405
EVAP
canister vent
control
solenoid



FEMALE

Pin	Circuit	Circuit function
1	1683 (DG)	Voltage supplied at all times (overload protected)
2	91 (VT/MH)	EVAP canister vent control solenoid, control

C450

C451 (GN)
13A409
Reversing
lamp, left
(13411)



FEMALE

Pin	Circuit	Ground	Circuit function
1	57 (BK)	Ground	
2	-	not used	
3	140 (BK/PK)		Reversing lamps relay, switched output

C451

C452 (WH)
13412
 License plate
 lamp, left

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, exterior lamps

C452

C455 (BK)
14405
 Rear axle
 speed sensor
 (4B409)

Pin	Circuit	Circuit function
1	519 (LG/BK)	Rear axle speed sensor (4B409) -
2	523 (RD/PK)	Rear axle speed sensor (4B409) +

C455

C461 (GN)
13A409
Reversing
lamp, right
(13411)



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	140 (BK/PK)	Reversing lamps relay, switched output

C461

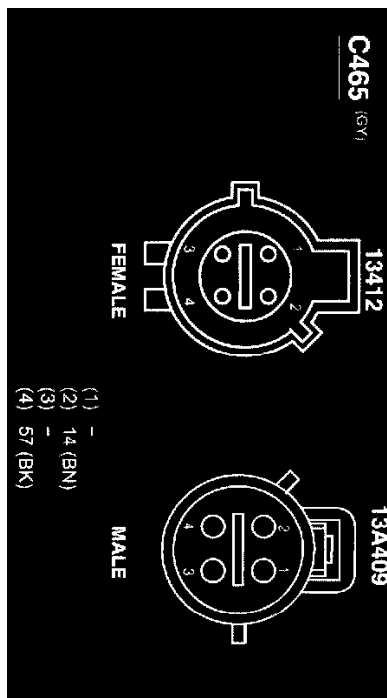
C462 (WH)
13412
License
plate lamp,
right



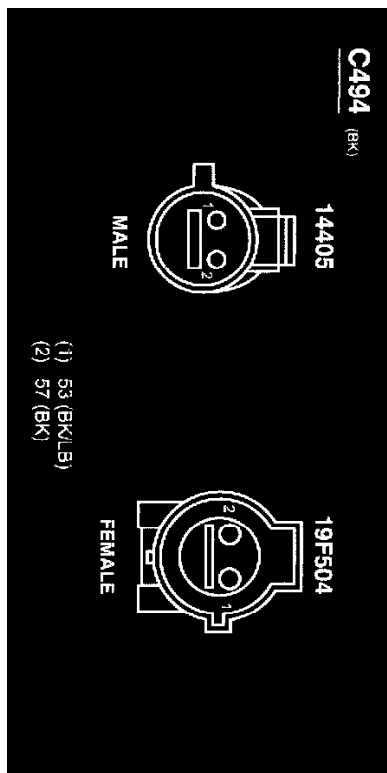
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

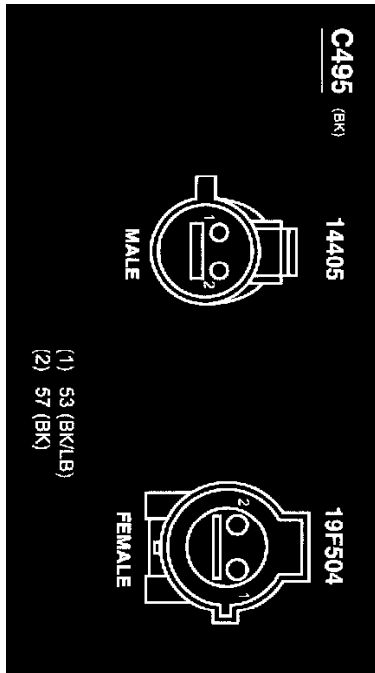
C462



C465



C494



C495

C500 (BK)

14A631

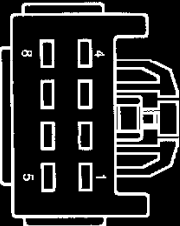
Key pad switch assembly

14A631 FEMALE

Pin	Circuit	Circuit function
1	78 (L/B/YE)	Key pad switch, Circuit A, output
2	1013 (BN/LG)	Illumination
3	79 (LG/RD)	Key pad switch, Circuit B, output
4	-	not used
5	57 (BK)	Ground
6	124 (BN)	Key pad switch, common
7	121 (YE/BK)	Key pad switch, Circuit C, output
8	-	not used

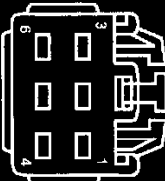
C500

C504a (BU)		
14A005		
Master window adjust switch (14540)		

		
FEMALE		

Pin	Circuit	Circuit function
1	—	not used
2	57 (BK)	Ground
3	313 (WH/YE)	Window switch, feed, right front, Down
4	314 (TN/LB)	Window switch, feed, right front, Up
5	—	not used
6	400 (LB/BK)	Accessory delay relay, switched output
7	991 (TN/LB)	Master window adjust switch (14529), feed, Down
8	992 (WH/BK)	Master window adjust switch (14529), feed, Up

C504a

C504b (GY) 14A005 Master window adjust switch (14540)			
			FEMALE
Pin	Circuit	Circuit function	
1	—	not used	
2	319 (YE/BK)	Window switch, feed, right rear, Down	
3	320 (RD/BK)	Window switch, feed, right rear, Up	
4	193 (YE/LG)	Window lockout, switched output	
5	316 (YE/LB)	Window switch, feed, left rear, Up	
6	317 (GY/OG)	Window switch, feed, left rear, Down	

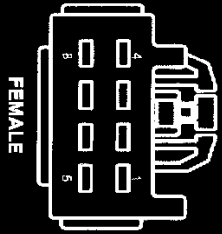
C504b

C505 (GN)

14A005

Door lock switch, driver side (149633)

* with remote keyless entry
** without remote keyless entry



FEMALE

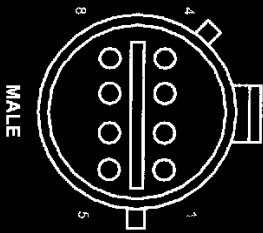
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**57 (BK)	Common
3	*1210 (BK/WH)	Unlock Switch Circuit
	**120 (PK/LG)	Unlock Switch Circuit
4	*57 (BK)	Ground
	***116 (RD/BK)	Voltage supplied at all times (overload protected)
5	*94 (PK)	Switch Illumination
6	-	not used
7	*121* (WH/RD)	Lock Switch Circuit
	**119 (PK/YE)	Lock Switch Circuit
8	**57 (BK)	Ground

C505

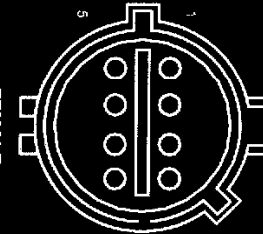
C510 (GY)

14A631

14A005



MALE



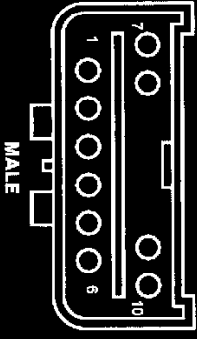
FEMALE

(1) 79 (LG/RD)
(2) 78 (LB/YE)
(3) 57 (BK)
(4) 121 (YE/BK)
(5) 124 (BN)
(6) 1013 (BN/LG)
(7) -
(8) -

(1) 122 (YE)
(2) 121 (YE/BK)
(3) 57 (BK)
(4) 123 (RD)
(5) 124 (BN)
(6) 66 (LB)
(7) -
(8) -

C510

C521 (GY)
14A005
Exterior rear
view mirror,
driver side
(17682)

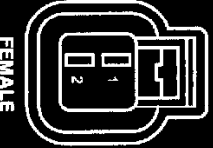


Circuit function

Pin	Circuit	Circuit function
1	540 (RD)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	541 (DB)	Up/Down mirror movement
4	3 (LG/W-H)	Turn lamps, feed, left front
5	57 (BK)	Defrost , Turn signal, Ground
6	59 (DG/VT)	HTD mirror relay, switched output
7	14 (BN)	Power, Exterior lamps
8	-	not used
9	-	not used
10	-	not used

C521

C523 (BK)
14A005
Speaker, left
front (18808)



Circuit function

Pin	Circuit	Circuit function
1	804 (OG/LG)	Speaker, left front (18808) +
2	813 (LB/W-H)	Speaker, left front (18808) -

C523

C524 (BK)
14A005
 Power window
 motor driver
 side front
 (23395)

FEMALE

Pin	Circuit	Circuit function
1	992 (WH/BK)	Master window adjust switch (14529), feed, Up
2	991 (TN/LB)	Master window adjust switch (14529), feed, Down

C524

C525 (GY)
14A005
 Door lock
 actuator left
 front

FEMALE

* with remote keyless entry
 ** without remote keyless entry

Pin	Circuit	Circuit function
1	*163 (RD/OG)	Driver door unlock relay, switched output
	**118 (PK/OG)	Door lock motor (unlock)
2	117 (PK/BK)	Door lock, output

C525

C526 (BK)
14A005

Door ajar switch, driver side front (14010)

* with remote keyless entry
** without remote keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*765 (YE/BK) **759 (LG/YE)	Door ajar switch, left front, signal Door ajar switch, left front, signal

C526

C527 (WH)
14A005

Electric rear view mirror switch (178678)

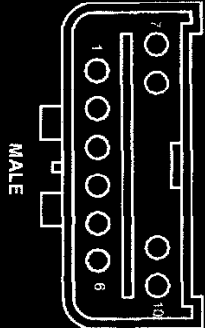
* with remote keyless entry
** without remote keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	544 (VT)	Up/Down mirror movement
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	-	not used
5	541 (DB)	Up/Down mirror movement
6	542 (YE)	Mirror motor, common
7	543 (DG)	Right/Left mirror movement
8	540 (RD)	Right/Left mirror movement

C527

C601 (GY)
14A005
Exterior rear
view mirror,
passenger side
(17683)



MALE

Pin	Circuit	Circuit function
1	543 (DG)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	544 (VT)	Up/Down mirror movement
4	2 (WH/LB)	Turn lamps, feed, right front
5	57 (BK)	Defrost, Turn signal, Ground
6	59 (DGN/VT)	HTD mirror relay, switched output
7	14 (BN)	Power, Exterior lamps
8	-	not used
9	-	not used
10	-	not used

C601

C602 (BK)
14A005
Door ajar
switch,
passenger side
front (14018)



FEMALE

* with remote keyless entry
** without remote keyless entry

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**761 (GY/RD)	Door ajar switch, right front, signal
	**760 (PK/LB)	Door ajar switch, right front, right rear, left rear, signal

C602

C603 (GY)
14A005
Door lock actuator, passenger side (218A42)

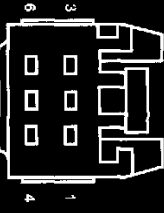


FEMALE

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C603

C604 (GY)
14A005
Window adjust switch, passenger side



FEMALE

* with crew cab

Pin	Circuit	Circuit function
1	313 (WH/YE)	Window switch, feed, right front, Down
2	334 (RD/YE)	Window motor, feed, Down
3	*193 (YE/LG)	Switched power
4	400 (LB/BK)	Accessory delay relay, switched output
5	338 (YE/RD)	Window motor, feed, Up
6	314 (TN/LB)	Window switch, feed, right front, Up

C604

C605 (GN)
14A005

Door lock switch, passenger side (14026)

• with remote keyless entry
• without remote keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**120 (PK/LG)	Unlock Switch Circuit
3	*1210 (BK/WH)	Unlock Switch Circuit
4	**118 (PK/OG)	Unlock Switch Circuit
5	*57 (BK)	Ground
6	**116 (RD/BK)	Voltage supplied at all times (overload protected)
7	194 (PK)	Switch illumination
8	-	not used
9	*1211 (WH/RD)	Lock Switch Circuit
10	**117 (PK/BK)	Lock Switch Circuit
11	**119 (PK/YE)	Lock Switch Circuit

C605

C608 (BK)
14A005

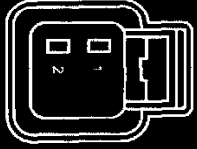
Power window motor, passenger side front (23394)

FEMALE

Pin	Circuit	Circuit function
1	333 (YE/RD)	Window motor, feed, Up
2	334 (RD/YE)	Window motor, feed, Down

C608

C612 (BK)
14A005
Speaker,
right front
(18A0B)

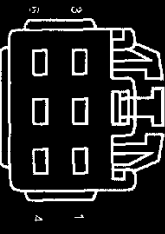


FEMALE

Pin	Circuit	Circuit function
1	805 (WH/LG)	Speaker, right front (18A0B) +
2	811 (DG/OG)	Speaker, right front (18A0B) -

C612

C701 (GY)
14A005
Window adjust
switch, left rear
(14A012)



FEMALE

Pin	Circuit	Circuit function
1	317 (GY/OG)	Window switch, feed, left rear, Down
2	885 (YE/LB)	Window motor, feed, Down
3	193 (YE/LG)	Switched power
4	-	not used
5	884 (YE/BK)	Window motor, feed, Up
6	316 (YE/LB)	Window switch, feed, left rear, Up

C701

C702 (BK)
14A005
 Speaker,
 left rear
 18808

FEMALE

Pin	Circuit	Circuit function
1	800 (G/Y/LB)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) -

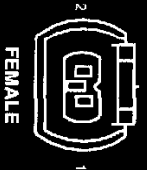
C702

C703 (BK)
14A005
 Power
 window
 motor, left
 1881 (23354)

FEMALE

Pin	Circuit	Circuit function
1	885 (YE/LB)	Window motor, feed, Down
2	884 (YE/BK)	Window motor, feed, Up

C703

C704 (GY)		
14A005		
Door lock actuator, left rear (218443)		
		
FEMALE		
Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C704

C715 (BK)		
14A005		
Door ajar switch, driver side rear (14018)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*759 (LG/YE)	Door ajar switch, left rear, signal
	**760 (PK/LB)	Door ajar switch, right front, right rear, left rear, signal

* with remote keyless entry
** without remote keyless entry

C715

C801 (GY)
14A005
 Window
 adjust switch,
 right rear
 (14A412)

FEMALE

Pin	Circuit	Circuit function
1	319 (YE/BK)	Window switch, feed, right rear, Down
2	882 (BN/YE)	Window motor, feed, Down
3	193 (YEL/G)	Switched power
4	-	not used
5	881 (BN)	Window motor, feed, Up
6	320 (RD/BK)	Window switch, feed, right rear, Up

C801

C802 (BK)
14A005
 Speaker,
 right rear
 (18808)

FEMALE

Pin	Circuit	Circuit function
1	802 (OG/RD)	Speaker, right rear (18808) +
2	803 (BN/PK)	Speaker, right rear (18808) -

C802

C803 (BK)
14A005
Power window
motor, right
rear (23394)



FEMALE

Pin	Circuit	Circuit function
1	882 (BN/YE)	Window motor, feed, Down
2	881 (BN)	Window motor, feed, Up

C803

C804 (GY)
14A005
Door lock
actuator, right
rear (233442)



FEMALE

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C804

C820 (BK)
14A005
 Door ajar switch
 passenger side
 rear (1407B)

* with remote
 keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*760 (PK/LB) 760 (PK/LB)	Door ajar switch, right rear, signal Door ajar switch, right rear, signal

C820

C904 (GY)
14A005
 High
 mounted
 stoplamp
 (134613)

FEMALE

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	57 (BK)	Ground

C904

C906
17C712
Vanity mirror
lamp, right
(04100)

without roof opening panel

FEMALE

with roof opening panel

MALE

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched output
2	57 (BK)	Ground

C906

C907
17C712
Vanity mirror
lamp, left
(04100)

without roof opening panel

FEMALE

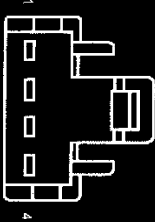
with roof opening panel

MALE

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched output
2	57 (BK)	Ground

C907

C909 (BK)
17C712
Compass
sensor
module



FEMALE

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	703 (WH/OG)	Compass data -
4	702 (WH/BK)	Compass data +

C909

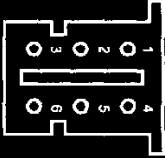
C911 (BK)
17C712
Electrohydraulic
inside mirror unit
(17700)



FEMALE

Pin	Circuit	Circuit function
1	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	57 (BK)	Ground
3	140 (BK/PK)	Reversing lamps relay, switched output
4	-	not used
5	-	not used
6	-	not used
7	-	not used

C911

C921a		
17C712		
Roof opening panel module (502D70)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1173 (TN/RD)	Roof opening panel, Close circuit
2	1174 (WH/RD)	Roof opening panel, Open circuit
3	57 (BK)	Ground
4	400 (LB/BK)	Accessory delay relay, switched output
5	1173 (BN/OG)	Roof opening panel, common
6	-	not used

C921a

C931 (GY)		
14A005		
Interior/map lamps assembly, front		
		
FEMALE		
Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	57 (BK)	Ground
3	54 (LG/YE)	Battery saver relay, switched output

C931

C932 (GY)
14A005
Interior/rear
lamps
assembly,
rear

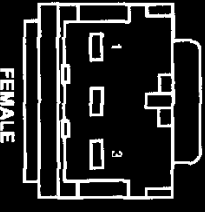


FEMALE

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	57 (BK)	Ground
3	54 (LG/YE)	Battery saver relay, switched output

C932

C970 (BK)
15A404
17C712
Roof marker
lamp, left

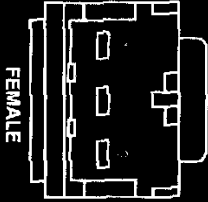


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C970

C971 (BK)
15A404
17C712
 Roof marker
 lamp, left
 center

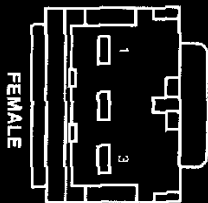


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C971

C972 (BK)
15A404
17C712
 Roof
 marker
 lamp,
 center

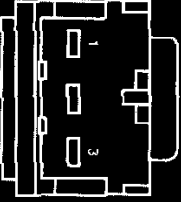


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C972

C973 (BK)
15A404
17C712
 Roof
 marker
 lamp, right
 center

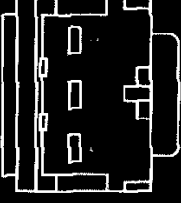


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C973

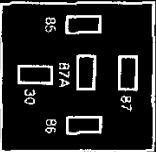
C974 (BK)
15A404
17C712
 Roof
 marker
 lamp, right



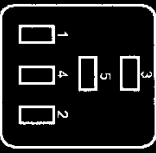
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C974

C1000 12A581 Daytime Running Lamps (DRL) relay 3						
			FEMALE			
Pin	Circuit	Circuit function				
30	13 (RD/BK)	Headlamp circuit (DRL)				
85	57 (BK)	Ground				
86	1032 (WH/BK)	Daytime Running Lamps (DRL) relay 2, switched output				
87	471 (OG/LG)	Daytime running lamps resistor, to Daytime Running Lamps (DRL) relay 3				
87A	1033 (RD/YE)	Daytime Running Lamps (DRL) relay 2, switched output				

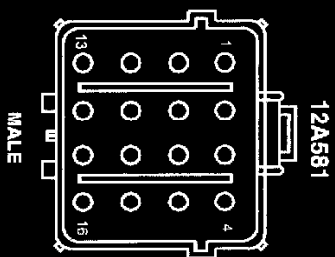
C1000

C1008 12A581 A/C clutch relay						
			FEMALE			
Pin	Circuit	Circuit function				
1	391 (RD/YE)	PCM power relay, switched output				
2	331 (PK/YE)	A/C clutch relay, control				
3	328 (WH/VT)	Voltage supplied at all times (overload protected)				
4	-	not used				
5	321 (GY/WH)	A/C clutch relay, switched output				

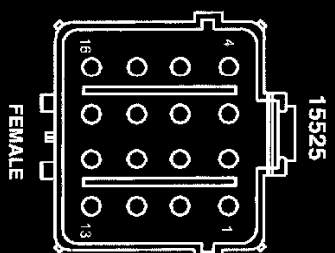
C1008

C1010 (BK)

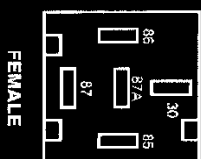
* 6.0L
 ** Gas
 ... 6.0L with Automatic transmission
 + Gas with Manual transmission
 ++ ESOF
 +++ with Manual 4WD



(1)	*653 (DB)
(2)	*359 (GY/RD)
(3)	* + 324 (YE/LG)
(4)	704 (DG/LB)
(5)	*787 (PK/BK)
(6)	-
(7)	-
(8)	-
(9)	-
(10)	-
(11)	57 (BK)
(12)	975 (BN/YE)
(13)	210 (LB)
(14)	**391 (RD/YE)
(15)	*643 (RD)
(16)	***146 (LG/RD)



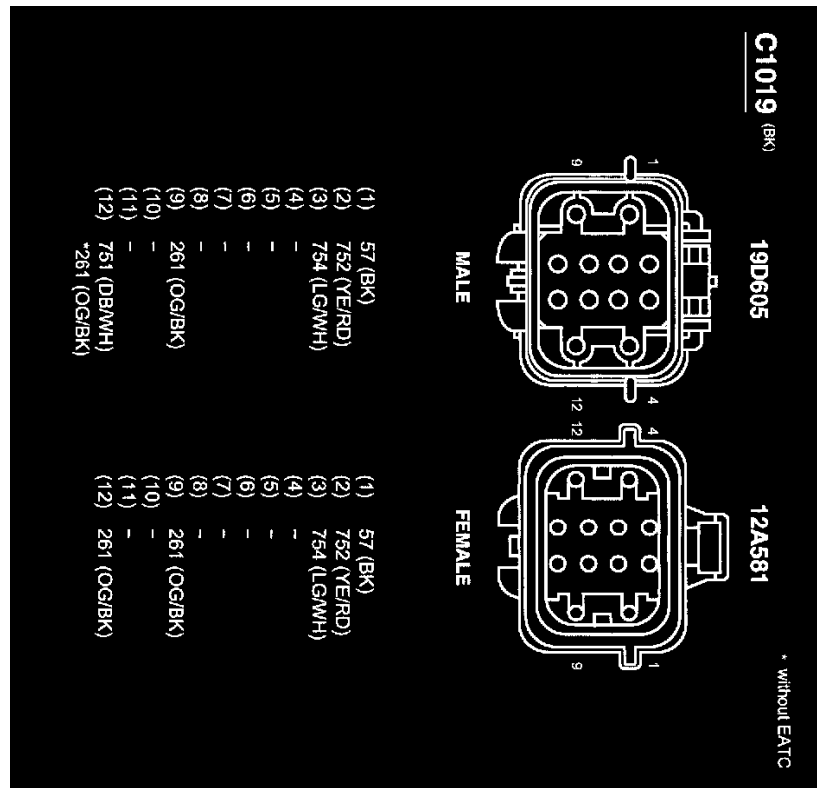
(1)	*653 (DB)
(2)	*359 (GY/RD)
(3)	* + 324 (YE/LG)
(4)	++704 (DG/LB)
(5)	*787 (PK/BK)
(6)	-
(7)	-
(8)	-
(9)	-
(10)	-
(11)	57 (BK)
(12)	+++ 975 (BN/YE)
(13)	+++ 210 (LB)
(14)	**391 (RD/YE)
(15)	*643 (RD)
(16)	***146 (LG/RD)

C1010**C1011****12A581**Blower
motor
relay

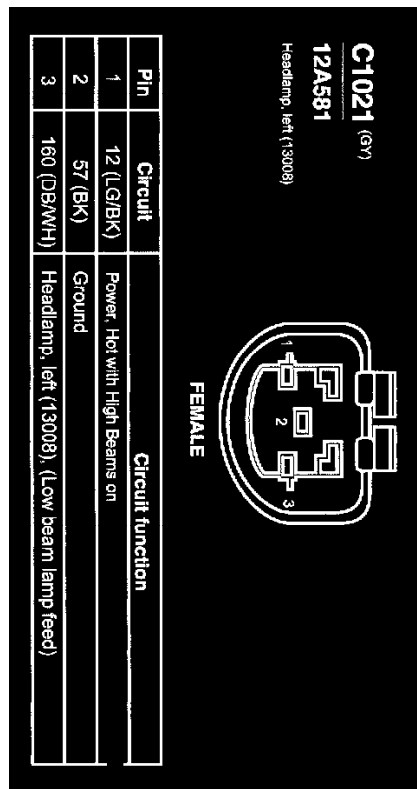
* w/ EATC

Pin	Circuit	Circuit function
30	364 (BK/LG)	Voltage supplied at all times (overload protected)
85	296 (WH/YT)	* Ground
		Voltage in Run (overload protected)
86	399 (BN/YE)	Blower motor relay, control
		* Blower motor relay, feed
87	181 (BN/OG)	Blower motor relay switched power, output
87A	-	not used

C1011



C1019

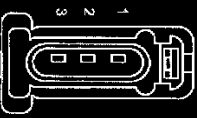


C1021

C1023 (BK)

12A581

Park/turn
lamp, left
front (13411)



FEMALE

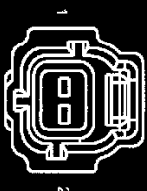
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LGWH)	Turn lamps, feed, left front

C1023

C1025 (BK)

12A581

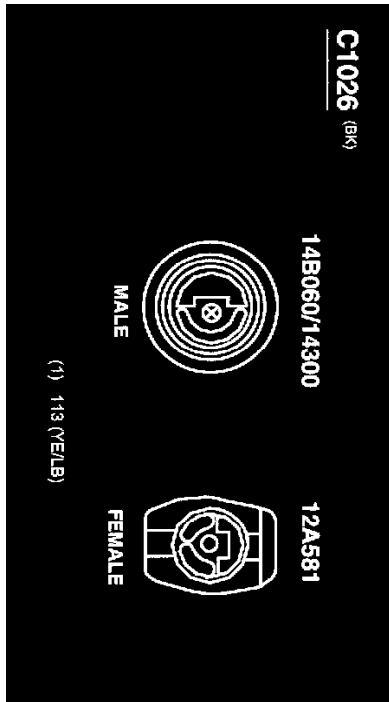
Brake
pressure
switch
(2B264)



FEMALE

Pin	Circuit	Circuit function
1	418 (DG/YE)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C1025



C1026

C1031 (BK)

12A581

Heater
Blower
motor
(19805)

2

1

FEMALE

Pin	Circuit	Circuit function
1	181 (BN/OG)	Blower motor relay, switched output
2	261 (OG/BK)	Blower motor, to switch

C1031

C1032 (WH)
19D605

Heater blower
motor resistor
(19A706)

FEMALE

Pin	Circuit	Circuit function
1	754 (LG/WH)	Blower switch speed control, to resistor
2	57 (BK)	Ground
3	752 (YE/RD)	Blower switch speed control, to resistor
4	261 (OG/BK)	Blower motor, to switch

C1032

C1035
12A581

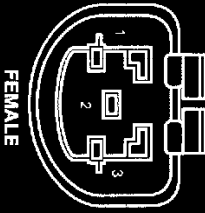
Battery Junction
Box (RJB)
(14A067)

Battery cable +

Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1035

C1041 (GY)
12A581
Headlamp, right (13008)

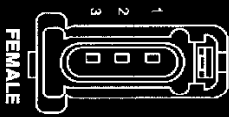


FEMALE

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1041

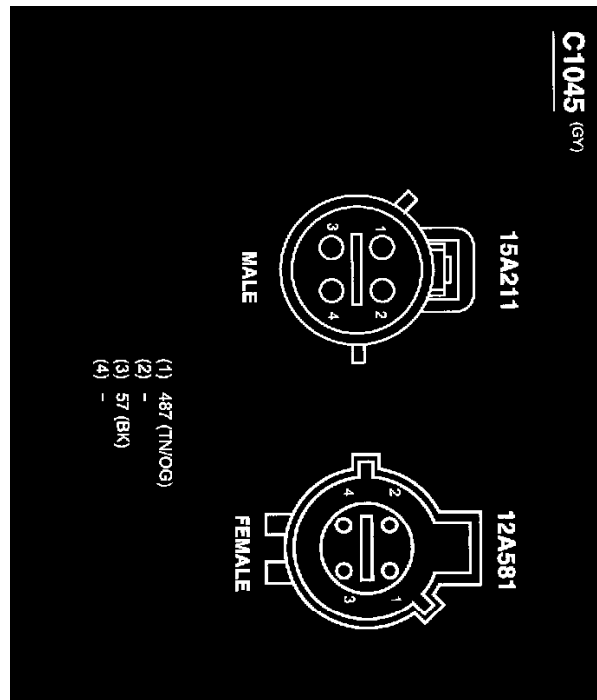
C1043 (BK)
12A581
Park/turn
lamp, right
front (13411)



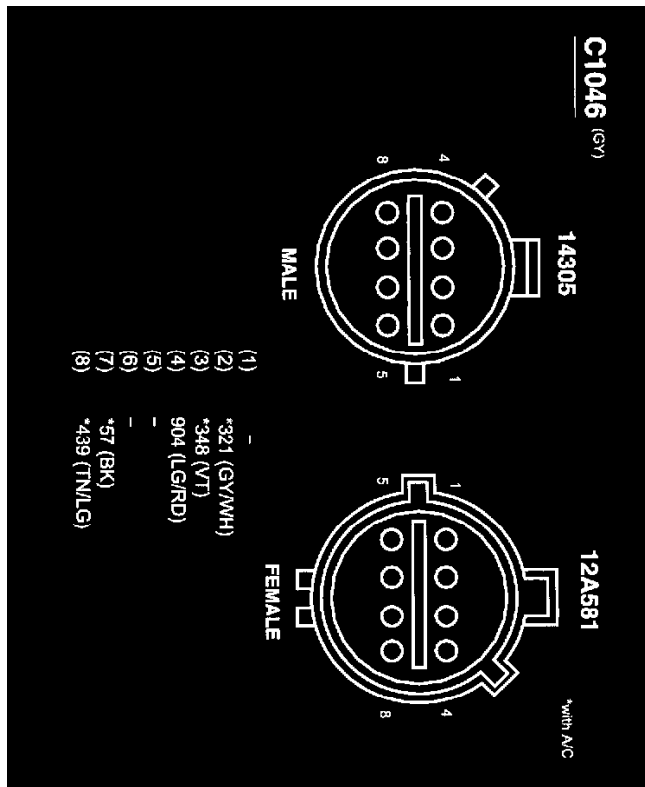
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (3N)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

C1043



C1045



C1046

C1062 (BK)
12B637
Dual
pressure
switch
(19D594)

Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C compressor cycling switch (19E561)
2	347 (BK/YE)	Ground
3	348 (VT)	A/C demand signal
4	439 (TN/LG)	A/C pressure switch, signal

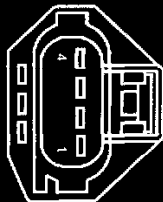
C1062

C1064 (GY)
12B637
Engine Coolant
Temperature
(ECT) sensor
(12A648)

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	3076 (YEW/H)	Reference voltage

C1064

C1073 (BK)
12B637
Injector
Pressure
Sensor (IPS)

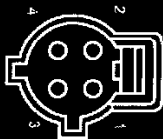


FEMALE

Pin	Circuit	Circuit function
1	1289 (OG/LG)	Fuel rail pressure sensor signal
2	3073 (RD/WH)	Fuel rail pressure sensor reference voltage
3	225 (BK/YE)	Fuel rail temperature sensor signal
4	359 (GY/RD)	Signal return

C1073

C1078 (GY)
14305
A/C high
pressure
switch
(19D564)

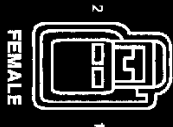


FEMALE

Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	-	not used
3	439 (TN/LG)	A/C pressure switch, signal
4	-	not used

C1078

C1080 (BK)
9F759
Water-
In-Fuel
sensor

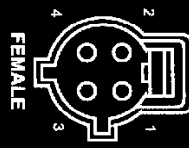


FEMALE

Pin	Circuit	Circuit function
1	643 (RD)	Reference voltage
2	359 (GY/RD)	Signal return

C1080

C1081 (BN)
12A581
14305
19B573
A/C compressor
cycling switch
(19B581)



FEMALE

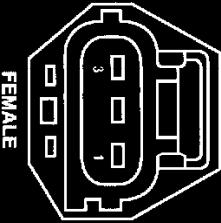
Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	-	not used
3	-	not used
4	348 (VT)	A/C demand signal

C1081

C1087 (BK)

12A581

Manifold Absolute Pressure (MAP) sensor



FEMALE

Pin	Circuit	Circuit function
1	351 (BN/WH)	Reference voltage
2	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor to Powertrain Control Module (PCM) (12A650)
3	359 (GY/RD)	Signal return

C1087

C1100a

14300

14305

14B060

Battery (10655)



12A581

Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1100a

Pin	Circuit	Circuit function
1	2057 (BK)	Ground
	2057 (BK)	Ground

C1100b

Pin	Circuit	Circuit function
1	*371 (PK/WH)	Reference voltage
	**3087 (DG/VT)	Reference voltage
2	136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103) signal
3	*570 (BK/WH)	Ground
	**1704 (VT/LG)	Signal return

C1107

C1119 (OG)
12A581
Vacuum pump motor

Diesel only

FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	57 (BK)	Ground
3	-	not used
4	295 (LB/PK)	Voltage supplied in run (overload protected)

C1119

C1126 (BK)
12A581

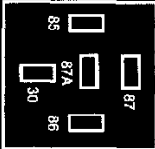
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

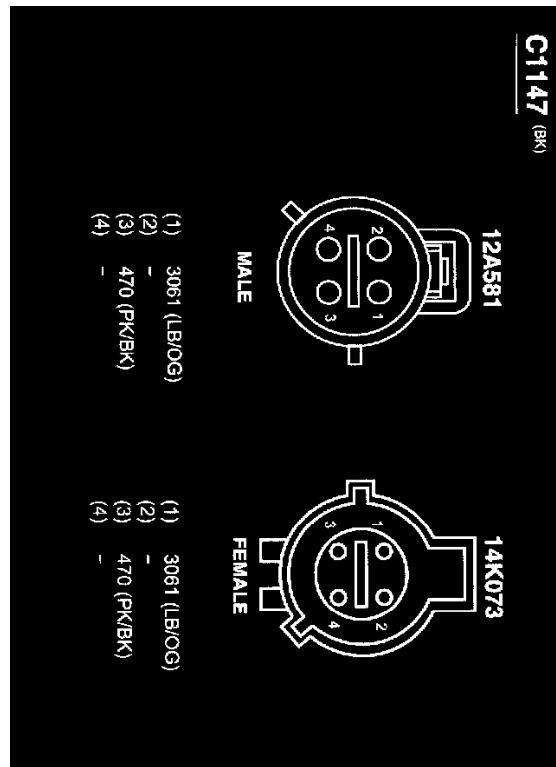
C1126

C1127 BK		
12A581		
Side lamp, left front (13411)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

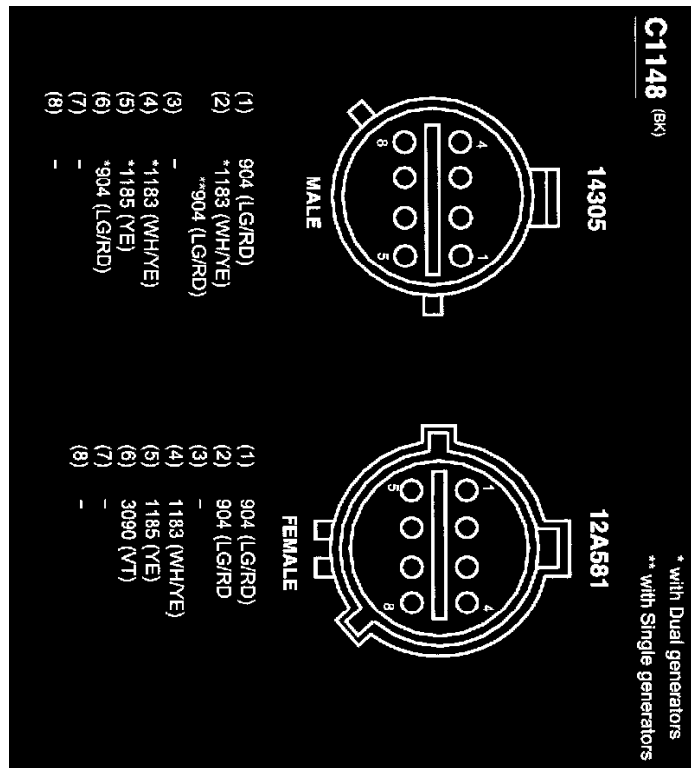
C1127

C1129		
15525		
Transfer case low to high relay		
		
FEMALE		
Pin	Circuit	Circuit function
30	777 (YE)	Transfer case, low to high, feed
85	782 (BN/WHT)	Switched ground
86	704 (DG/LG)	Voltage supplied at all times (overload protected)
87	704 (DG/LG)	Voltage supplied at all times (overload protected)
87A	57 (BK)	Ground

C1129



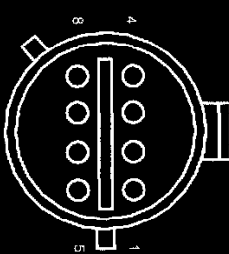
C1147



C1148

C1158 (BK)
12B637
Electronic fan clutch

Diesel only



MALE

Pin	Circuit	Circuit function
1	229 (RD/OG)	Cooling fan speed signal
2	360 (BN/PK)	Signal return
3	—	not used
4	228 (DB)	Switched ground
5	361 (RD)	PCM power relay, switched power
6	352 (BN/LG)	Reference voltage
7	—	not used
8	—	not used

C1158

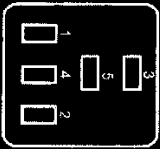
C1159 (GY)
12A581
Engine compartment lamp



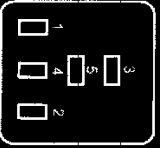
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched output

C1159

C1171		
12A581		
Daytime Running Lamps (DRL) relay 1		
		
FEMALE		
Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage supplied in run (overload protected)
2	162 (LG/RD)	Parking brake switch, input
3	295 (LB/PK)	Voltage supplied in run (overload protected)
4	175 (BK/YE)	Park brake relay, switched output
5	-	not used

C1171

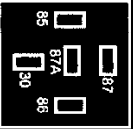
C1172		
12A581		
Daytime Running Lamps (DRL) relay 2		
		
FEMALE		
Pin	Circuit	Circuit function
1	15 (RD/YE)	Power, Hot with Headlamps on
2	57 (BK)	Ground
3	175 (BK/YE)	Park brake relay, switched output
4	1032 (WH/BK)	Daytime Running Lamps (DRL) relay 2, switched output
5	-	not used

C1172

C1173

15525

Transfer case high to low relay



FEMALE

Pin	Circuit	Circuit function
30	778 (OG)	Transfer case, high to low, feed
85	781 (OGLB)	Switched ground
86	704 (DGLG)	Voltage supplied at all times (overload protected)
87	704 (DGLG)	Voltage supplied at all times (overload protected)
87A	57 (BK)	Ground

C1173

C1177 (BK)

15525

4x4 High/Low Indicator switch



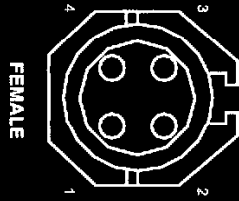
FEMALE

Pin	Circuit	Circuit function
1	210 (LB)	Four-wheel drive High indicator, control
2	975 (BN/YE)	Four-wheel drive Low indicator, control

C1177

C1181 (BK)**12B637**

Fuel Injector 1 (9F5S93)

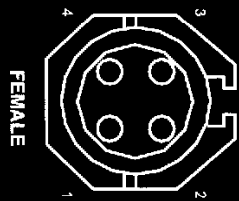


Pin	Circuit	Circuit function
1	4 (WH/BK)	Fuel Injector 1 (9F5S93), open coil, Power
2	3 (LG/MH)	Fuel Injector 1 (9F5S93), open coil, Ground
3	1 (DB)	Fuel injector 1 (9F5S93), close coil, Power
4	2 (WH/LB)	Fuel Injector 1 (9F5S93), close coil, Ground

C1181

C1182 (BK)**12B637**

Fuel Injector 2 (9F5S93)

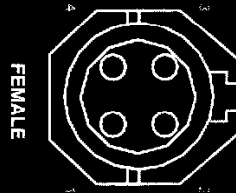


Pin	Circuit	Circuit function
1	20 (WH/LB)	Fuel Injector 2 (9F5S93), open coil, Power
2	19 (LB/RD)	Fuel Injector 2 (9F5S93), open coil, Ground
3	17 (WH)	Fuel injector 2 (9F5S93), close coil, Power
4	18 (OG/YE)	Fuel Injector 2 (9F5S93), close coil, Ground

C1182

C1183 (BK)**12B637**

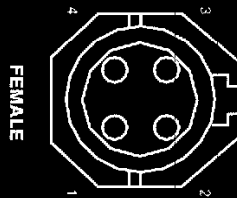
Fuel injector 3 (9F593)



Pin	Circuit	Circuit function
1	28 (BK/PK)	Fuel injector 3 (9F593), open coil, Power
2	27 (OG/LG)	Fuel injector 3 (9F593), open coil, Power
3	25 (DG/VT)	Fuel injector 3 (9F593), close coil, Power
4	26 (WH/VT)	Fuel injector 3 (9F593), close coil, Ground

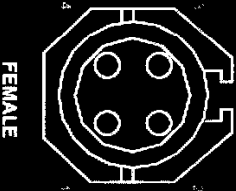
C1183**C1184** (BK)**12B637**

Fuel injector 4 (9F593)

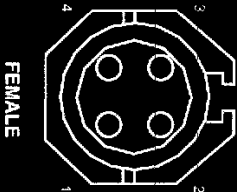


Pin	Circuit	Circuit function
1	33 (W-/PK)	Fuel Injector 4 (9F593), open coil, Power
2	7 (LG/YE)	Fuel Injector 4 (9F593), open coil, Ground
3	5 (OG/LB)	Fuel Injector 4 (9F593), close coil, Power
4	6 (YE/LG)	Fuel Injector 4 (9F593), close coil, Ground

C1184

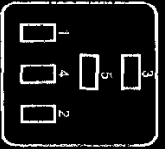
C1185 (BK) 12B637 Fuel injector 5 (9F593)		
		
Pin	Circuit	Circuit function
1	24 (DB/OG)	Fuel injector 5 (9F593), open coil, Power
2	23 (TN/LG)	Fuel injector 5 (9F593), open coil, Ground
3	21 (DG/LG)	Fuel injector 5 (9F593), close coil, Power
4	22 (LB/BK)	Fuel injector 5 (9F593), close coil, Ground

C1185

C1186 (BK) 12B637 Fuel injector 6 (9F593)		
		
Pin	Circuit	Circuit function
1	16 (RD/LG)	Fuel injector 6 (9F593), open coil, Power
2	15 (RD/YE)	Fuel injector 6 (9F593), open coil, Ground
3	13 (RD/BK)	Fuel injector 6 (9F593), close coil, Power
4	14 (BN)	Fuel injector 6 (9F593), close coil, Ground

C1186

C1187
12A581
Trailer tow
relay, right
turn

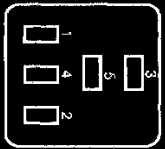


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	5 (OG/LB)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	64 (DG)	Trailer lamp socket, Right turn signal

C1187

C1188
12A581
Trailer tow
relay, left
turn

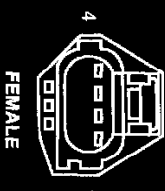


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	9 (LG/OG)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	52 (YE)	Trailer lamp socket, Left turn signal

C1188

C1189 (BK)
12B637
Throttle Position
Sensor (TPS)
(9F991)

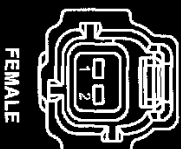


Pin **Circuit** **Circuit function**

1	357 (YE/WH)	Throttle Position Sensor (TPS) (9F991) signal 2
2	1945 (VT/WH)	Throttle Position Sensor (TPS) (9F991) Reference voltage
3	1946 (OG/LB)	Throttle Position Sensor (TPS) (9F991) Signal return
4	355 (GY/WH)	Throttle Position Sensor (TPS) (9F991) signal 1

C1189

C1195 (BK)
12A581
Vapor management valve

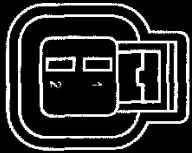


Pin **Circuit** **Circuit function**

1	361 (RD)	PCM power relay, switched power
2	191 (LG/BK)	Vapor management valve, control

C1195

C1204 (GY)
12B637
Fuel injector 8 (9F593)

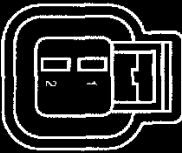


FEMALE

Pin	Circuit	Circuit function
1	1100 (GY/BK)	Fuel injector 9 (9F593), control
2	391 (RD/YE)	PCM power relay, switched power

C1204

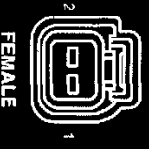
C1205 (GY)
12B637
Fuel injector 10 (9F593)



FEMALE

Pin	Circuit	Circuit function
1	1101 (GY/RD)	Fuel injector 10 (9F593), control
2	391 (RD/YE)	PCM power relay, switched power

C1205

C1206 (BK)		
12B637		
Coil On Plug (COP) 9 (12A366)		
		
FEMALE		
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1141 (YE/BK)	Switched ground

C1206

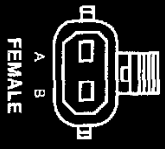
C1207 (BK)		
12B637		
Coil On Plug (COP) 10 (12A366)		
		
FEMALE		
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1142 (WH/RD)	Switched ground

C1207

C1210 (BK)

12A581

Air filter sensor

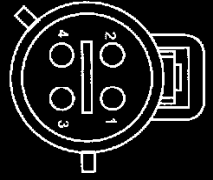


Pin	Circuit	Circuit function
A	57 (BK)	Ground
B	142 (LBRD)	Air filter sensor signal, input

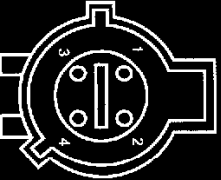
C1210

C1221 (BK)

14B102



12B637



(1) -

(2) 1102 (YELG)

(3) 359 (GY/RD)

(4) -

(1) -

(2) 1102 (YELG)

(3) 359 (GY/RD)

(4) -

C1221

C1235
12A581
 Fuel Injector
 Control Module
 (FICM) power
 relay

Pin	Circuit	Circuit function
1	792 (TTN/YE)	Voltage supplied at all times (overload protected)
2	3098 (RD/YE)	Switched ground
3	876 (DG/LG)	Fuel Injector Control Module (FICM) power relay, switched power, output
5	1523 (DG)	Voltage supplied at all times (overload protected)

C1235

C1236 (GY)
9D930
12B837
 Manifold Air
 Temperature
 (MAT) sensor

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	42 (RD/WH)	Signal from Powertrain Control Module (PCM) (12A650) -

C1236

C1244 (BK)
12B687
Injection
Control
Pressure
(ICP) sensor



FEMALE

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	351 (BN/WH)	Reference voltage
3	812 (DB/LG)	Injection pressure sensor, monitor

C1244

C1247 (BK)
12A581
Electronic
Shift On the
Fly (ESOF)
solenoid



FEMALE

Pin	Circuit	Circuit function
1	145 (GY/BK)	Electronic Shift On the Fly (ESOF) solenoid, 4X4, control
2	295 (LB/PK)	Voltage supplied in Run (overload protected)
3	605 (RD)	Electronic Shift On the Fly (ESOF) solenoid, 4X2, control

C1247

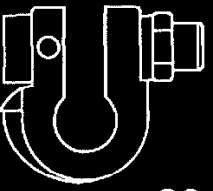
C1249a

14B060

14305

12B637

Battery II

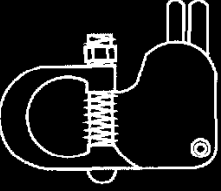


14305

12B637



Diesel



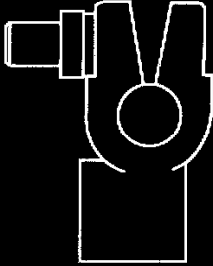
Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1249a

C1249b

14301

Battery II



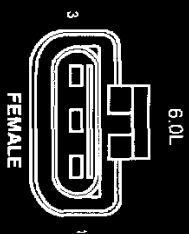
Pin	Circuit	Circuit function
1	2057 (BK)	Ground

C1249b

C1251a (BK)

14305

Generator secondary



Pin	Circuit	Circuit function
1	1185 (YE)	Charge (including: ammeter/voltsmeter) indicator
2	-	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C1251a

C1251c

14305

Generator secondary



Pin	Circuit	Circuit function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

C1251c

C1271 (BK)
12B637
 Exhaust Back
 Pressure
 (EBP) sensor

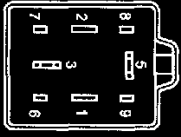


FEMALE

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	351 (BN/WH)	Reference voltage
3	563 (VT/LB)	Position sense

C1271

C1273a (GN)
12B637
 Glow Plug
 Control
 Module
 (GPCM)



FEMALE

Pin	Circuit	Circuit function
1	150 (DGMW)	Glow plug 5, control
2	170 (RD/LB)	Glow plug 7, control
3	38 (BK/OG)	Battery Power
4	-	not used
5	-	not used
6	110 (WH/LG)	Glow plug 1, control
7	130 (RD/LG)	Glow plug 3, control
8	1086 (VT/OG)	Glow plug relay, control
9	1277 (WH/LG)	Glow plug relay, control

C1273a

C1273b (BK)
12B637
 Glow Plug
 Control
 Module
 (3F-PCM)

FEMALE

Pin	Circuit	Circuit function
1	16D (DB/WH)	Glow plug 6, control
2	18G (RD)	Glow plug 8, control
3	38 (BK/OG)	Battery Power
4	-	not used
5	-	not used
6	12G (PK/LG)	Glow plug 2, control
7	14G (BK/PK)	Glow plug 4, control
8	-	not used
9	36I (RD)	PCM power relay, switched power

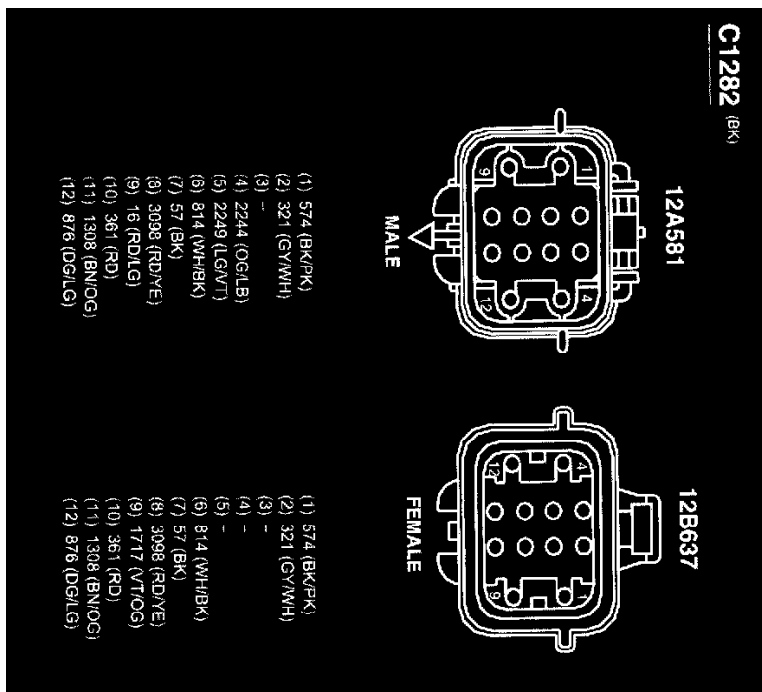
C1273b

C1275 (BK)
12B637
 Camshaft
 Position sensor
 (6B288)

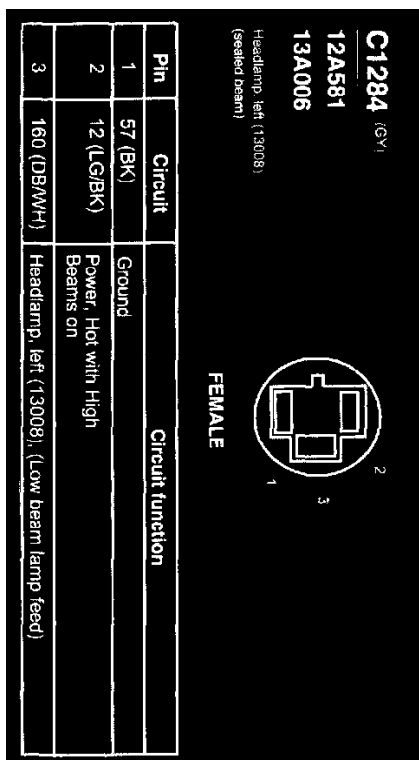
FEMALE

Pin	Circuit	Circuit function
1	5G (RD)	Camshaft position sensor (6B288), Sensor signal +
2	49 (OG)	Camshaft position sensor (6B288), Sensor signal -

C1275



C1282



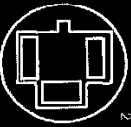
C1284

C1285 (GY)

12A581

13A006

Headlamp, right
(13008) (sealed beam)



FEMALE

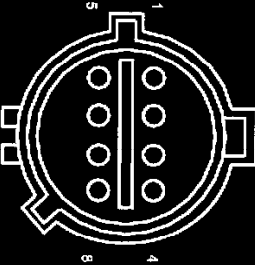
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	12 (LG/BK)	Power Hot with High Beams on
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1285

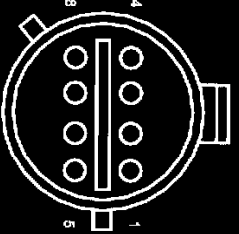
C1298 (BK)

12A581

12B637



FEMALE



MALE

(1) -

(2) 440 (TN/LG)

(3) 347 (BK/YE)

(4) 1183 (WH/YE)

(5) 1185 (YE)

(6) 904 (LG/RD)

(7) 441 (RD/YE)

(8) 439 (TN/LG)

(1) -

(2) 348 (VT)

(3) 347 (BK/YE)

(4) 1183 (WH/YE)

(5) 1185 (YE)

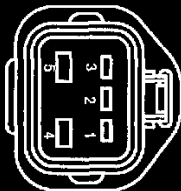
(6) 904 (LG/RD)

(7) 441 (RD/YE)

(8) 439 (TN/LG)

C1298

C1308
19D605
Blower motor
speed
controller
(19E624)

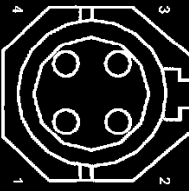


FEMALE

Pin	Circuit	Circuit function
1	752 (Y/ERD)	Blower motor speed controller, Signal return
2	754 (LG/WH)	Blower motor speed controller, Signal return
3	751 (DB/WH)	Blower motor, High
4	261 (OG/BK)	Blower motor speed controller, command
5	57 (BK)	Ground

C1308

C1312 (BK)
12B637
Fuel injector 7 (9F593)

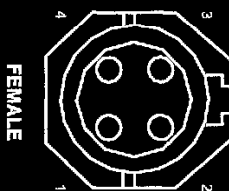


FEMALE

Pin	Circuit	Circuit function
1	12 (LG/BK)	Fuel injector 7 (9F593), open coil, Power
2	11 (TN/YE)	Fuel injector 7 (9F593), open coil, Ground
3	9 (LG/OG)	Fuel injector 7 (9F593), close coil, Power
4	10 (LG/RD)	Fuel injector 7 (9F593), close coil, Ground

C1312

C1313 (BK)
12B637
Fuel injector 8 (9F593)

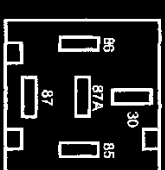


FEMALE

Pin	Circuit	Circuit function
1	32 (RD/LB)	Fuel injector 8 (9F593), open coil, Power
2	31 (WH/RD)	Fuel injector 8 (9F593), open coil, Ground
3	29 (YE/WH)	Fuel injector 8 (9F593), close coil, Power
4	30 (BK/LG)	Fuel injector 8 (9F593), close coil, Ground

C1313

C1329
12A581
Fuel heater relay



FEMALE

Pin	Circuit	Circuit function
30	1044 (WH/YE)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
87	653 (DB)	Fuel heater relay, switched output
87A	-	not used

C1329

C1360 (BK)
9D930
12B637
Injection
Pressure
Regulator
(IPR)



FEMALE

Pin	Circuit	Circuit function
A	361 (RD)	PCM power relay, switched power
B	552 (YE/RD)	Switched ground

C1360

C1366 (BK)
12B637
Camshaft
position sensor
R-I bank
(6B288)



FEMALE

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	282 (DB/OG)	Camshaft position sensor 1 (6B288) control

C1366

C1367
12B637
Camshaft
position sensor
LH Bank
(6B288)

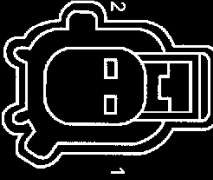


FEMALE

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	365 (OG)	Camshaft position sensor 2 (6B288) control

C1367

C1368
12B637
Electronic
Throttle
Control (ETC)
motor
(9F991)



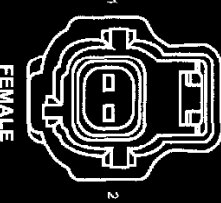
FEMALE

Pin	Circuit	Circuit function
1	1835 (DB/YE)	Electronic Throttle Control (ETC) motor +/-
2	1830 (RD/LG)	Electronic Throttle Control (ETC) motor -/+

C1368

C1369 (BK)
12B637

Variable
Camshaft Timing
(VCT) solenoid 1
(6B297) RH bank



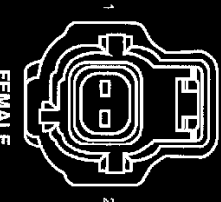
Circuit function

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	641 (VT/LB)	Variable camshaft timing (VCT) solenoid 1 (6B297) control

C1369

C1370 (BK)
12B637

Variable
Camshaft Timing
(VCT) solenoid 2
(6B297) LH bank



Circuit function

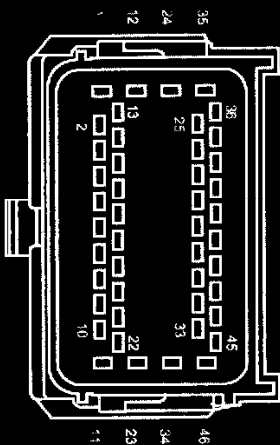
Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	642 (DG/OG)	Variable camshaft timing (VCT) solenoid 2 (6B297) control

C1370

C1381a (BK)

12A581

Powertrain
Control Module
(PCM) (12A550)



FEMALE

Diesel only
* Automatic transmission
** Manual transmission

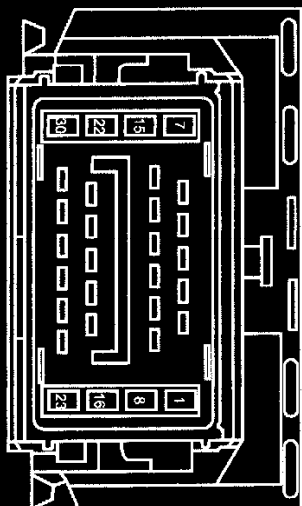
Pin	Circuit	Circuit function
1	76 (LG/WH)	Tachometer output
2	331 (PK/YE)	A/C clutch relay, control
3	463 (RD/WH)	Four wheel drive control module, neutral switch sense
4	329 (PK)	Starter relay, control
5	926 (LB/OG)	Fuel pump relay, control
6	2246 (OG/YE)	Power take-off RPM control signal
7	1857 (YE/WH)	Throttle position sensor feed
8	439 (TN/LG)	A/C pressure switch, signal
9	2248 (NT/LG)	Auto charge protect
10	567 (LB/YE)	Ground
11	570 (BK/WH)	Communication network ground (type 1 ground)
12	2242 (OG)	Power take-off

Pin	Circuit	Circuit function
13	1908 (WH)	High speed CAN +
14	1909 (BK)	High speed CAN -
15	643 (RD)	Water-in-fuel sensor, signal
16	440 (TN/LG)	A/C head pressure sensor
17	162 (LG/RD)	Parking brake switch, input
18	310 (RD/LG)	Brake pedal position switch (13480), input
19	797 (PK/BK)	Fuel pump power
20	3014 (BK/WH)	Accelerator pedal position sensor 3, return
21	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579) signal, return
22	239 (WH/OG)	Vehicle speed signal
23	570 (BK/WH)	Communication network ground (type 1 ground)

C1381a (Part 1)

Pin	Circuit	Circuit function
24	133 (BK)	Speed control switch return
25	3015 (WH/RD)	Accelerator pedal position sensor 3, signal
26	3835 (YE/WH)	Accelerator pedal position sensor 1, signal
27	**92 (LB/YE)	Clutch pedal starter interlock switch, signal
28	307 (BK/YE)	Brake pressure switch, input
29	3013 (GY/BK)	Accelerator pedal position sensor 2, return
30	3090 (VT)	Generator/Battery Indicator, control
31	151 (LB/BK)	Speed control switch input
32	2247 (OG/BK)	Power take off ground
33	359 (GY/RD)	Signal return
34	361 (RD)	PCM power relay, switched power
35	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
36	**224 (TN/WH)	Tow/Haul switch, signal
	**306 (TN/LB)	Clutch pedal deactivation switch, signal
37	3012 (WH)	Accelerator pedal position sensor 2, signal
38	356 (DB/LG)	Barometric pressure sensor feed
39	107 (VT)	Flash EEPROM Module Programming Signal (FEPs)
40	1683 (DG)	Voltage supplied at all times (overload protected)
41	358 (LG/BK)	Manifold absolute pressure
42	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
43	743 (GY)	Intake air temperature (IAT) sensor (12A697), signal
44	2245 (OG/RD)	Power take off voltage reference
45	351 (BN/WH)	Power to engine sensors
46	361 (RD)	PCM power relay, switched power

C1381a (Part 2)

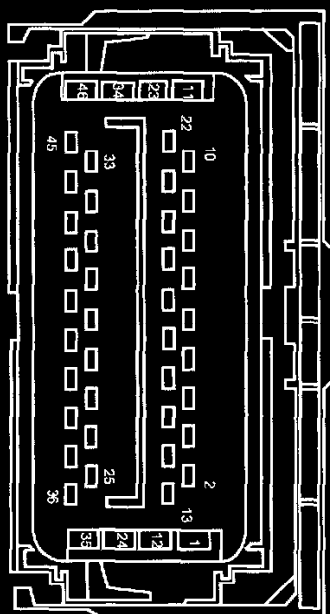
C1381b (BK)**15525**Powertrain
Control Module
(PCM)
(12A650)

FEMALE

Pin	Circuit	Circuit function
1	371 (PK/WH)	Reference voltage
2	480 (VT/YE)	Pressure Control (PC-A) solenoid (7G383), control
3	324 (YE/LG)	Reversing lamps relay, control
4	-	not used
5	1146 (LG/RD)	not used
6	-	not used
7	1876 (YE/WH)	Shift solenoid VPWR
8	-	not used
9	237 (OG/YE)	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control
10	315 (VT/OG)	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
11	971 (PK/BK)	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
12	236 (BK/LG)	Shift Solenoid Pressure Control D (SSPC-D) (7J136), control
13	125 (DB/WH)	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control
14	924 (BN/OG)	Torque Converter Clutch (TCC) solenoid (7J136), control

Pin	Circuit	Circuit function
15	-	not used
16	-	not used
17	-	not used
18	-	not used
19	-	not used
20	-	not used
21	-	not used
22	570 (BK/WH)	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
23	-	not used
24	-	not used
25	199 (LB/YE)	Transmission Range Sensor Assembly (TR-P) (7H557), signal
26	923 (OG/BK)	Transmission Fluid Temperature (TFI) sensor (7H141), signal
27	134 (GY/OG)	Intermediate Shaft Speed (ISS) sensor (7M101), signal
28	136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103), signal
29	970 (DG/WH)	Turbine Shaft Speed (TSS) sensor (7M101), signal
30	1875 (OG/WH)	Signal return

C1381b

C1381c (BK)**12B637**Powertrain
Control Module
(PCM) (12A650)

FEMALE

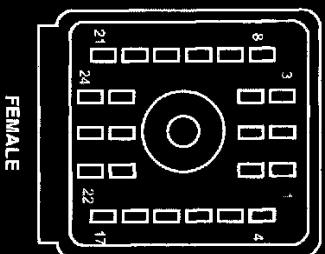
Pin	Circuit	Circuit function
1	11B3 (WH/YE)	Generator/battery charge control
2	552 (YE/RD)	Injection Pressure Regulator (IPR), control
3	10B6 (VT/OG)	Glow Plug System, signal
4	11B5 (YE)	Generator/battery charge control (with dual generators)
5	-	not used
6	229 (RD/OG)	Electronic fan clutch, signal
7	-	not used
8	-	not used
9	-	not used
10	43 (DB)	Variable geometric turbo actuator, control
11	41 (BK/LB)	Variable geometric turbo actuator, common
12	-	not used
13	-	not used
14	228 (DB)	Electronic fan clutch, control
15	-	not used
16	-	not used
17	1277 (WH/LG)	Glow plug control module (GPCM), signal
18	-	not used
19	54 (LG/YE)	Fuel Injector Control Module (FICM), fuel delivery command
20	56 (DB/OG)	Fuel Injector Control Module (FICM), cylinder identification
21	-	not used
22	380 (BN/PK)	Engine cooling fan, Ground

Pin	Circuit	Circuit function
23	33 (WH/PK)	EGR valve actuator, control
24	-	not used
25	359 (GY/RD)	Signal return
26	70 (LB/WH)	CAN Bus 2L
27	553 (VT/LB)	Exhaust Back Pressure (EBP) sensor, signal
28	878 (PK/YE)	Fuel Injector Control Module (FICM), communication
29	812 (DB/LG)	Injection Control Pressure (ICP) sensor, signal
30	349 (DB)	Crankshaft position sensor (6C315) +
31	50 (RD)	Camshaft position sensor (6B288) +
32	3076 (YE/WH)	Coolant temperature sensor, signal
33	34 (LB/OG)	EGR valve actuator, position sense
34	-	not used
35	-	not used
36	351 (BN/WH)	Reference voltage
37	69 (RD/LG)	CAN Bus 2H
38	-	not used
39	-	not used
40	-	not used
41	350 (GY)	Crankshaft position sensor (6C315) -
42	57 (BK)	Ground
43	49 (OG)	Camshaft position sensor (6B288) -
44	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal
45	42 (RD/WH)	Air Charge Temperature (ACT) sensor, signal
46	352 (BN/LG)	Electronic fan clutch, Reference voltage

C1381c

C1385 (BK)
15525
 TorqShift Transmission

* 6.0L
 ** Others

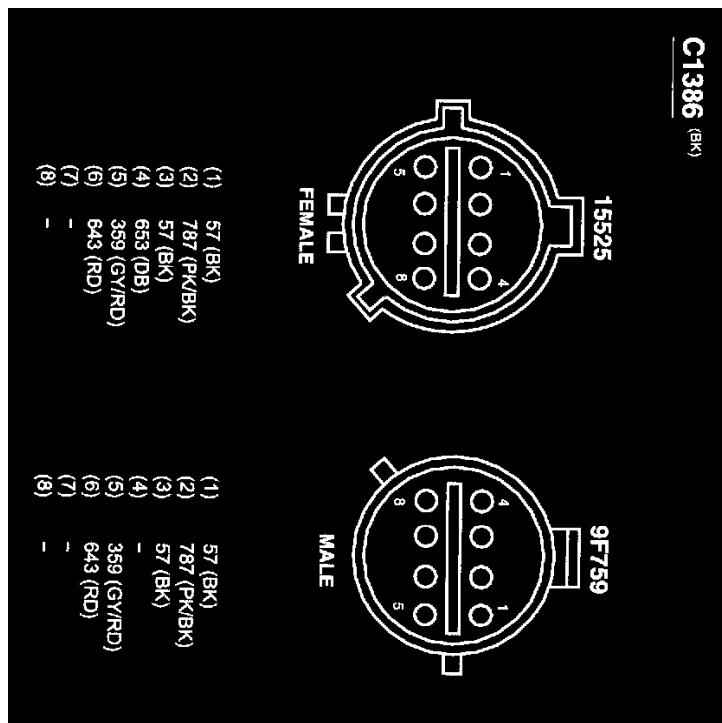


FEMALE

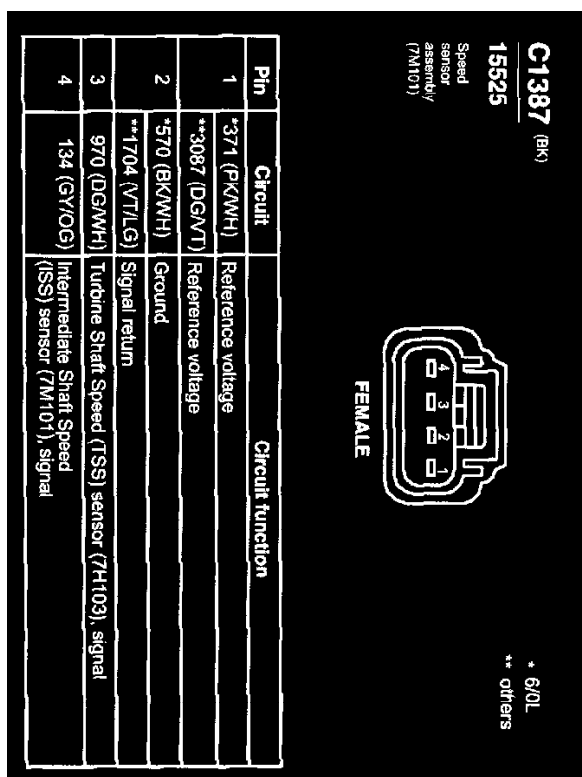
Pin	Circuit	Circuit function
1	125 (DB/WH) (SSPC-E) (7J136), control	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control
2	-	not used
3	315 (VT/OG) B (SSPC-B) (7J136), control	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
4	236 (BK/LG) C (SSPC-C) (7J136), control	Shift Solenoid Pressure Control D (SSPC-C) (7J136), control
5	971 (PK/BK) C (SSPC-C) (7J136), control	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
6	-	not used
7	1876 (YE/WH) Torque Converter Clutch (TCC) solenoid (7J136), control	Shift solenoid VPWR
8	924 (BN/OG) Torque Converter Clutch (TCC) solenoid (7J136), control	Torque Converter Clutch (TCC) solenoid (7J136), control
9	-	not used
10	480 (VT/YE) Pressure Control (PC-A) solenoid (7G383), control	Pressure Control (PC-A) solenoid (7G383), control
11	-	not used
12	237 (OG/YE) Shift Solenoid Pressure Control A (SSPC-A) (7J136), control	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control

Pin	Circuit	Circuit function
13	-	not used
14	-	not used
15	199 (LB/YE) Transmission Range Sensor Assembly (TR-P) (7H557), signal	Transmission Range Sensor Assembly (TR-P) (7H557), signal
16	-	not used
17	*570 (BK/WH) (TR-P) (7H557), Ground	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
18	**1867 (OG) Transmission Range Sensor Assembly (TR-P) (7H557), Ground	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
19	923 (OG/BK) Transmission Fluid Temperature (TFT) sensor (7H141)	Transmission Fluid Temperature (TFT) sensor (7H141)
20	-	not used
21	1876 (YE/WH) Shift solenoid VPWR	Shift solenoid VPWR
22	*371 (PK/WH) Reference voltage	Reference voltage
23	**3087 (DG/V1) Signal return, Transmission Fluid Temperature (TFT) sensor (7H141)	Signal return, Transmission Fluid Temperature (TFT) sensor (7H141)
24	*1704 (VT/LG) not used	not used
25	1876 (YE/WH) Shift solenoid VPWR	Shift solenoid VPWR

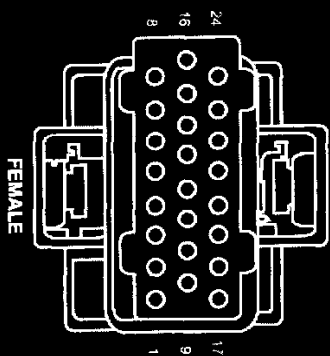
C1385



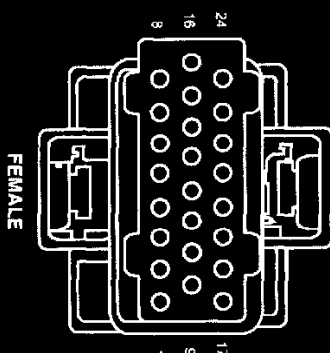
C1386



C1387

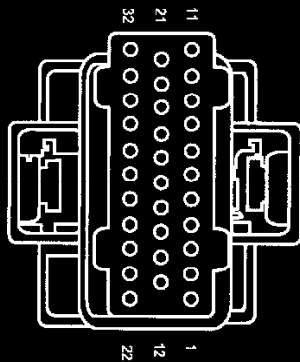
C1388a (BK)**12B637**Fuel Injector
Control Module
(FICM)

Pin	Circuit	Circuit function
1	7 (LG/YE)	Fuel injector 4, open coil, Ground
2	3 (LG/WH)	Fuel injector 1, open coil, Ground
3	11 (TN/YE)	Fuel injector 7, open coil, Ground
4	15 (RD/YE)	Fuel injector 6, open coil, Ground
5	2 (WH/LB)	Fuel injector 1, close coil, Ground
6	6 (YE/LG)	Fuel injector 4, close coil, Ground
7	14 (BN)	Fuel injector 6, close coil, Ground
8	10 (LG/RD)	Fuel injector 7, close coil, Ground
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used
17	12 (LG/BK)	Fuel injector 7, open coil, Power
18	9 (LG/OG)	Fuel injector 7, close coil, Power
19	4 (WH/BK)	Fuel injector 1, open coil, Power
20	1 (DB)	Fuel injector 1, close coil, Power
21	16 (RD/LG)	Fuel injector 6, open coil, Power
22	13 (RD/BK)	Fuel injector 6, close coil, Power
23	33 (WH/PK)	Fuel injector 4, open coil, Power
24	5 (OG/LB)	Fuel injector 4, close coil, Power

C1388a**C1388b** (BK)**12B637**Fuel Injector
Control Module
(FICM)

Pin	Circuit	Circuit function
1	23 (TN/LG)	Fuel injector 5, open coil, Ground
2	19 (LB/RD)	Fuel injector 2, open coil, Ground
3	31 (WH/RD)	Fuel injector 8, open coil, Ground
4	27 (OG/LG)	Fuel injector 3, open coil, Ground
5	22 (LB/BK)	Fuel injector 5, close coil, Ground
6	18 (OG/YE)	Fuel injector 2, close coil, Ground
7	30 (BK/LG)	Fuel injector 8, close coil, Ground
8	26 (WH/VT)	Fuel injector 3, close coil, Ground
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used
17	20 (WH/LB)	Fuel injector 2, open coil, Power
18	17 (WH)	Fuel injector 2, close coil, Power
19	28 (BK/PK)	Fuel injector 3, open coil, Power
20	25 (DG/VT)	Fuel injector 3, close coil, Power
21	24 (DB/OG)	Fuel injector 5, open coil, Power
22	21 (DG/LG)	Fuel injector 5, close coil, Power
23	32 (RD/LB)	Fuel injector 8, open coil, Power
24	29 (YE/WH)	Fuel injector 8, close coil, Power

C1388b

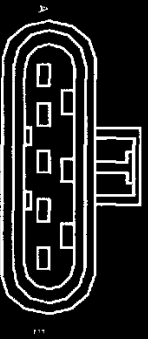
C1388c (BK)**12B637**Fuel Injector
Control Module
(FICM)

FEMALE

Pin	Circuit	Circuit function
1	574 (BK/PK)	Ground
2	574 (BK/PK)	Ground
3	574 (BK/PK)	Ground
4	876 (DG/LG)	Fuel Injector Control Module (FICM) power relay, switched power
5	54 (LG/YE)	CKP-O
6	-	not used
7	1717 (VT/OG)	Voltage supplied in Start and Run (overload protected)
8	814 (WH/BK)	Fuel Injector Control Module (FICM) power relay, switched power, fused feed
9	878 (PK/YE)	Powertrain Control Systems, Communication
10	56 (DB/OG)	CMP-O
11	-	not used
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used

Pin	Circuit	Circuit function
17	-	not used
18	-	not used
19	-	not used
20	-	not used
21	-	not used
22	574 (BK/PK)	Ground
23	876 (DG/LG)	Fuel Injector Control Module (FICM) power relay, switched power
24	876 (DG/LG)	Fuel Injector Control Module (FICM) power relay, switched power
25	876 (DG/LG)	Fuel Injector Control Module (FICM) power relay, switched power
26	574 (BK/PK)	Ground
27	3098 (RD/YE)	Fuel Injector Control Module (FICM) power relay, control
28	-	not used
29	-	not used
30	69 (RD/LG)	CAN Bus 2H
31	70 (LB/WH)	CAN Bus 2L
32	57 (BK)	Ground

C1388c

C1389 (BK) 12B637 EGR valve actuator			 FEMALE	
Pin	Circuit	Circuit function		
A	33 (WH/PK)	EGR valve actuator, control		
B	359 (GY/RD)	Signal return		
C	34 (LB/OG)	EGR valve actuator, position sense		
D	351 (BN/WH)	Reference voltage		
E	361 (RD)	PCM power relay, switched power		

C1389

C1390 (BK) 12B637 Variable geometric turbo actuator			 FEMALE	
Pin	Circuit	Circuit function		
A	41 (BK/LB)	Variable geometric turbo actuator, common		
B	43 (DB)	Variable geometric turbo actuator, control		

C1390

C1392 (GY)

9F759

Fuel pump

Diesel only

FEMALE

Pin	Circuit	Circuit function
1	787 (PK/BK)	Fuel pump relay, switched power
2	57 (BK)	Ground

C1392

C1413 (BK)

12B637

Glow plug bank, left

Diesel only

FEMALE

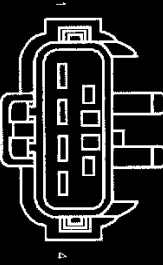
Pin	Circuit	Circuit function
1	120 (PK/LG)	Glow plug 2, control
2	140 (BK/PK)	Glow plug 4, control
3	160 (DB/WH)	Glow plug 6, control
4	180 (RD)	Glow plug 8, control

C1413

C1414 (BK)

12B637

Glow plug bank, right



FEMALE

Pin	Circuit	Circuit function
1	110 (WH/LG)	Glow plug 1, control
2	130 (RD/LG)	Glow plug 3, control
3	150 (DG/WH)	Glow plug 5, control
4	170 (RD/LB)	Glow plug 7, control

C1414

C1444 (BK)

12B637

Charge Motion Control Valve (CMCV)

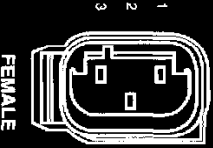


FEMALE

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	570 (BK/WH)	Ground
3	367 (BN)	Charge Motion Control Valve (CMCV) control
4	373 (WH/RD)	Charge Motion Control Valve (CMCV) monitor

C1444

C1445 (BK)
14401
 Brake pressure transducer

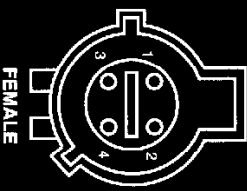


FEMALE

Pin	Circuit	Circuit function
1	3600 (RD/MH)	Brake pressure signal return
2	3601 (WH/PD)	Brake pressure sensor
3	3602 (TV/YE)	High current sense, return

C1445

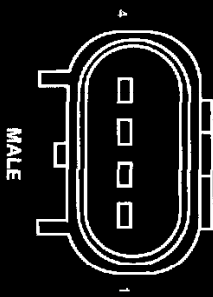
C1446 (BU)
14405
 Heated Oxygen Sensor (HO2S) #13 (9G444)



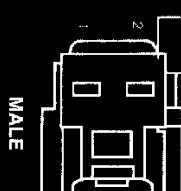
FEMALE

Pin	Circuit	Circuit function
1	1706 (WH/BK)	Heated Oxygen Sensor (HO2S) #13 (9G444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	1702 (GV/LB)	Heated Oxygen Sensor (HO2S) #13 (9G444), input
4	1703 (RD/LG)	Signal return

C1446

C1447 (BK)		
12B637		
Dual knock sensor		
		
Pin	Circuit	Circuit function
1	310 (YE/RED)	Knock sensor #1, signal +
2	1273 (YE)	Knock sensor #1, signal -
3	311 (DGM/T)	Knock sensor #2, signal +
4	1274 (DGM/H)	Knock sensor #2, signal -

C1447

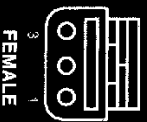
C2003 (GY)		
14401		
Adjustable pedal motor (9G562)		
		
Pin	Circuit	Circuit function
1	1489 (LB/BK)	Adjustable pedal motor +/-
2	1490 (LB/OG)	Adjustable pedal motor +/-

C2003

C2008 (BK)

14401

Brake
shift
interlock



FEMALE

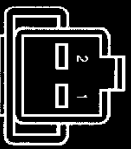
Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage supplied in run (overload protected)
2	57 (BK)	Ground
3	810 (RD/LG)	Brake pedal position switch (13480), input

C2008

C2015 (BK)

14401

14A005
Parking
brake switch
(19A051)



FEMALE

Pin	Circuit	Circuit function
1	162 (LG/RD)	Park brake switch input
2	676 (PK/OG)	Ground

C2015

C2031 (TN)
14401
 Clear lighter,
 (15555)

FEMALE

Pin	Circuit	Circuit function
1	40 (LB/WH)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

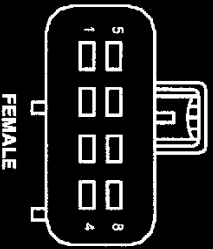
C2031

C2033 (BK)
14401
 Power point,
 instrument
 panel
 (19N236)

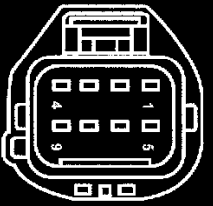
FEMALE

Pin	Circuit	Circuit function
1	1049 (BN/PK)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

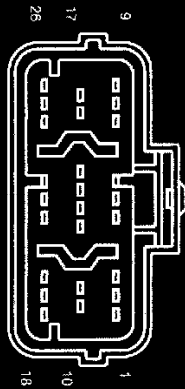
C2033

C2035 (BU)		
14401		
Parking aid disable switch (15A860)		
		
FEMALE		
Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	1436 (DGN/T)	On/Off signal
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
7	-	not used
8	19 (LB/RD)	Instrument illumination, feed

C2035

C2040 (GY)		
14401		
Accelerator pedal position sensor		
		
FEMALE		
Pin	Circuit	Circuit function
1	3011 (BK/OG)	Signal return
2	3836 (YE/WH)	Accelerator pedal position sensor 1, signal
3	3014 (BK/WH)	Accelerator pedal position sensor 3, return
4	-	not used
5	3012 (WH)	Accelerator pedal position sensor 2, signal
6	3013 (GY/BK)	Accelerator pedal position sensor, 3 power
7	3010 (TN)	Voltage reference
8	3015 (WH/RD)	Accelerator pedal position sensor 3, signal

C2040

C2041 (K)**14401**Restraints control
module (148521)**FEMALE**

Pin	Circuit	Circuit function
1	-	not used
2	609 (OG/YE)	Voltage supplied in run (overload protected)
3	614 (GY/OG)	Driver air bag, feed, monitor
4	615 (GY/WH)	Driver air bag, return
5	70 (LB/WH)	ISO Bus
6	607 (LB/OG)	Passenger air bag, feed, monitor
7	616 (PK/BK)	Passenger air bag, return
8	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, signal
9	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
10	-	not used
11	-	not used
12	-	not used
13	608 (OG/YE)	Voltage supplied in run (overload protected)

Pin	Circuit	Circuit function
14	-	not used
15	-	not used
16	-	not used
17	1886 (GY)	Vehicle Emergency Messaging System (VEMS) airbag activation signal
18	-	not used
19	-	not used
20	608 (BK/YE)	Air bag indicator, control
21	649 (BK/OG)	Air bag, dedicated ground
22	-	not used
23	-	not used
24	-	not used
25	-	not used
26	1083 (LB/PK)	Air bag, tone driver

C2041

C2047
14401
Indicator
flasher relay
(13350)

FEMALE

Pin	Circuit	Circuit function
1	44 (LB)	Indicator flasher relay (13350), Turn signal, output
2	295 (LB/PK)	Voltage supplied in run (overload protected)
3	10 (LG/RD)	Voltage supplied at all times (overload protected)
4	385 (WH/RD)	Indicator flasher relay (13350), Hazard, output
5	57 (BK)	Ground

C2047

C2075
14401
Accessory delay relay

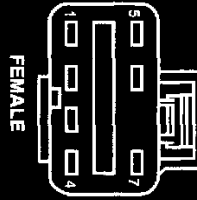
FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	-	Battery saver relay, switched output
86	-	Accessory delay relay, control
87	-	Accessory delay relay, switched output
87A	-	not used

C2075

C2089 (BK)**14401**

Adjustable pedal switch

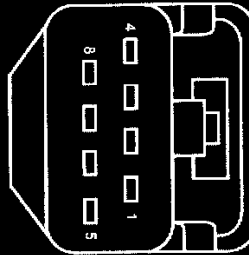


Pin	Circuit	Circuit function
1	1490 (LB/OG)	Adjustable pedal motor +/-
2	1567 (RD/LB)	Voltage supplied at all times (overload protected)
3	57 (BK)	Ground
4	57 (BK)	Ground
5	19 (LB/RD)	Instrument illumination, feed
6	57 (BK)	Ground
7	1489 (LB/BK)	Adjustable pedal motor +/-

C2089

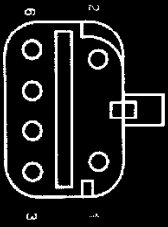
C2093 (BK)**14401**

Remote solenoid assembly

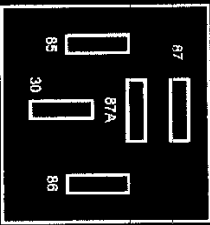


Pin	Circuit	Circuit function
1	1106 (LG/W-H)	Remote solenoid assembly, common
2	1107 (WH)	Remote solenoid #1, control
3	1108 (TN/W-H)	Remote solenoid #2, control
4	1109 (OG/BK)	Remote solenoid #3, control
5	1110 (LG/V-T)	Remote solenoid #4, control
6	1111 (V-T)	Remote solenoid #5, control
7	-	not used
8	-	not used

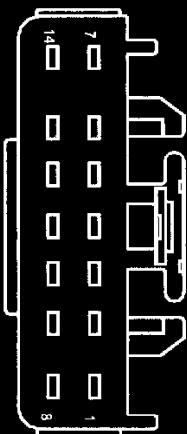
C2093

C2099 (BK)		
14401		
Passenger Air bag Deactivation (PAD) switch		
		
FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	1113 (YEL/G)	Passenger Air bag Deactivation (PAD) switch, indicator, control
4	609 (OG/YE)	Voltage supplied in run (overload protected)
5	649 (BK/OG)	Ground
6	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, signal

C2099

C2110		
14401		
Trailer tow relay, battery charge		
		
FEMALE		
Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	57 (BK)	Ground
86	295 (LB/PK)	Voltage supplied in run (overload protected)
87	49 (OG)	Trailer tow relay, battery charge, switched power, output
87A	-	not used

C2110

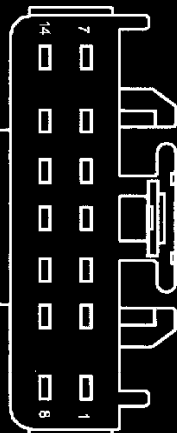
C2113a (GY)**14A005**Vehicle Security
Module (VSM)
(15K602)

FEMALE

* with Crew cab

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock actuator +/-
2	1210 (BK/WH)	Door unlock, logic ground
3	1211 (WH/RD)	Door lock, logic ground
4	765 (YE/BK)	Door ajar switch, left front (14018), signal
5	761 (GY/RD)	Door ajar switch, right front (14018), signal
6	*760 (PK/LB)	Door ajar switch, right rear, signal
7	163 (RD/OG)	Driver door unlock relay, switched power
8	118 (PK/OG)	Door lock actuator +/-
9	-	not used
10	-	not used
11	*759 (LG/YE)	Door ajar switch, left rear, signal
12	-	not used
13	-	not used
14	57 (BK)	Ground

C2113a

C2113b (GN)**14A005**Vehicle Security
Module (VSM)
(15K602)

FEMALE

Pin	Circuit	Circuit function
1	116 (RD/BK)	Voltage supplied at all times (overload protected)
2	14 (BN)	Power, Exterior lamps
3	1306 (PK/WH)	Voltage supplied at all times (overload protected)
4	1104 (LB)	Sunload sensor (19E663), signal
5	1399 (DB/WH)	Voltage supplied with autolamps on
6	1 (DB)	Horn relay, control
7	15 (RD/YE)	Power, Hot with Headlamps on
8	195 (TN/WH)	Voltage supplied at all times (overload protected)
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	196 (DB/OG)	Voltage supplied at all times (overload protected)

C2113b

C2113c (BU)
13A005
Vehicle Security
Module (VSM)
15K5021

FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	121 (YE/BK)	Key pad switch, circuit A, output
3	123 (RD)	Key pad switch, circuit C, output
4	124 (BN)	Key pad switch, common
5	693 (OG)	UBP Diagnostics
6	66 (LB)	Key pad switch, illumination
7	-	not used
8	-	not used
9	122 (YE)	Key pad switch, circuit B, output
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	-	not used

C2113c

C2142a (GV)
14401

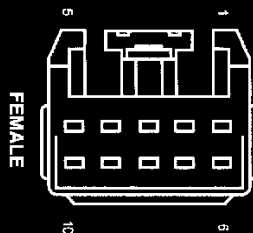
FEMALE

14A348

MALE

(1) 50 (RD)
(2) 511 (LG)
(3) 43 (DB)
(4) 206 (WH)

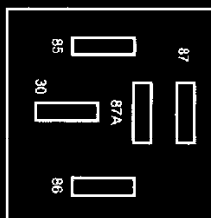
C2142a

C2142b (S)**14401**Trailer Brake Control
(TBC) module

Pin	Circuit	Circuit function
1	1792 (PK)	Voltage supplied at all times (overload protected)
2	-	not used
3	298 (VT/OG)	Voltage supplied in run (overload protected)
4	-	not used
5	-	not used
6	1908 (WH)	High speed CAN +
7	1909 (BK)	High speed CAN -
8	3600 (RD/WH)	Brake pressure signal return
9	3601 (WH/RD)	Brake pressure sensor 5 volt signal
10	3602 (TN/YE)	High current sense return

C2142b**C2160****12A581**

PCM power relay



Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	-	Ground
86	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
87	-	PCM power relay, switched power, output
87A	-	not used

C2160

C2163

12A581

Starter relay

FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (overload protected)
85	33 (WH/PK)	Voltage supplied in Start (overload protected)
86	329 (PK)	Starter relay, control
87	113 (YE/LB)	Starter relay (11450) switched power, output
87A	-	not used

C2163

C2194 (GY)

14401

Fuel tank selector switch (9A050)

FEMALE

Pin	Circuit	Circuit function
1	789 (BN/WH)	Fuel tank selector valve +/-
2	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
3	786 (RD)	Switched ground
4	786 (RD)	Fuel tank selector valve +/-
5	57 (BK)	Ground
6	789 (BN/WH)	Fuel tank selector valve +/-

C2194

C2207 (GY)
14401
Inertia Fuel
Switch (IFS)
(3D362)



FEMALE

Pin	Circuit	Circuit function
1	787 (PK/BK)	Fuel pump, Power
2	238 (DG/YE)	Fuel pump/relay, switched power, output
3	-	not used

C2207

C2255 (BK)
14401
Tow/Haul switch



MALE

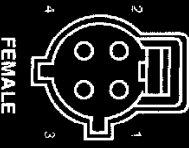
Pin	Circuit	Circuit function
A	-	not used
B	296 (WH/VT)	Voltage supplied in run (overload protected)
C	224 (TN/W/H)	Tow/Haul switch, signal

C2255

C2256 (BK)

14401

Barometric
Absolute
Pressure
(BAP) switch



FEMALE

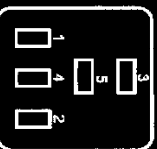
Pin	Circuit	Circuit function
1	3011 (BK/OG)	Signal return
2	3010 (TN)	Reference voltage
3	356 (DB/LG)	Sensor signal
4	-	not used

C2256

C2257

12A581

Reversing lamp relay

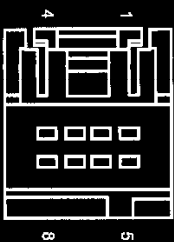


FEMALE

Pin	Circuit	Circuit function
1	-	Reversing lamps relay, control
2	-	Ground
3	-	Voltage supplied at all times (overload protected)
4	-	not used
5	-	Reversing lamps relay, switched output

C2257

Upritter switch

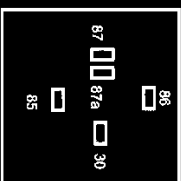


FEMALE

Pin	Circuit	Circuit function
1	156 (GY/OG)	Relay control circuit
2	19 (LB/RD)	Instrument illumination, feed
3	57 (BK)	Ground
4	-	not used
5	155 (GY/RD)	Relay control circuit
6	154 (VT/LG)	Relay control circuit
7	153 (VT/YE)	Relay control circuit
8	296 (WH/VT)	Voltage in Run (overload protected)

C2300

**Upfitter relay
#1**



FEMALE

Pin	Circuit	Circuit function
30	1448 (OG/RD)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	153 (VT/YE)	Relay control circuit
87	1936 (OG/LG)	Voltage supplied when relay energized (overload protected)
87a	-	not used

C2301

C2302
14A303
Upfilter relay #2

FEMALE

Pin	Circuit	Circuit function
30	1445 (RD/LG)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	154 (VT/LG)	Relay control circuit
87	1933 (OG)	Voltage supplied when relay energized (overload protected)
87a	—	not used

C2302

C2303
14A303
Upfilter relay #3

FEMALE

Pin	Circuit	Circuit function
1	155 (GY/RD)	Relay control circuit
2	57 (BK)	Ground
3	1446 (RD/LB)	Voltage supplied at all times (overload protected)
4	—	not used
5	1934 (OG/YE)	Voltage supplied when relay energized (overload protected)

C2303

C2304
14A303
Lift/lower relay #4

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	156 (GY/OG)	Relay control circuit
3	1447 (RD)	Voltage supplied at all times (overload protected)
4	-	not used
5	1935 (OG/LB)	Voltage supplied when relay energized (overload protected)

C2304

C3007 (GY)
14B084

FEMALE

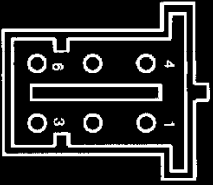
MALE

(1) *586 (DG)
 (2) 85 (BN/LB)
 (3) 57 (BK)
 (4) -

* with power seals

C3007

C3015 (BN)
14B084
Power seat
motor
assembly, right

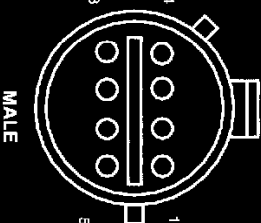


MALE

Pin	Circuit	Circuit function
1	987 (RD/WH)	Fwd/Rwd motor, Rearward
2	985 (RD/LB)	Rear height motor, Down
3	984 (YE/LB)	Rear height motor, Up
4	986 (YE/WH)	Fwd/Rwd motor, Forward
5	988 (YE/LG)	Front height motor, Up
6	989 (RD/LG)	Front height motor, Down

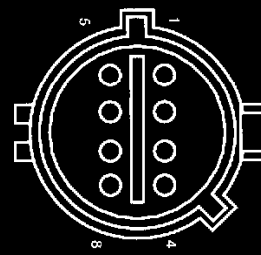
C3015

C3049 (GY)
14A005



MALE

14B084



FEMALE

(1) 12S5 (WH/RD)

(2) 85 (BN/LB)

(3) 566 (DG)

(4) 57 (BK)

(5) 1153 (RD/BK)

(6) 295 (LB/PK)

(7) -

(8) -

C3049

C3084 (BK)
19F504
 Running
 board lamp,
 left front

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3084

C3085 (BK)
19F504
 Running
 board lamp,
 left rear

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3085

C3086 (BK)
19F504
 Running
 board lamp,
 right front

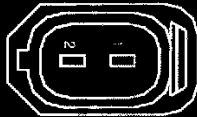


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3086

C3087 (BK)
19F504
 Running
 board lamp,
 left rear

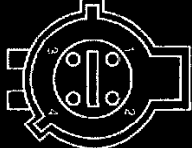


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3087

C3094 (BK)
14405
Fuel
sender
primary

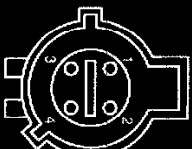


FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	675 (YE/LB)	Reference voltage
3	-	not used
4	396 (BK/OG)	Fuel sender, return

C3094

C3095 (BK)
14405
Fuel
sender
secondary



FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	29 (YE/WH)	Reference voltage
3	-	not used
4	396 (BK/OG)	Fuel sender, return

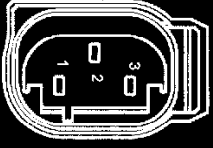
C3095



C4009 (BK)

14N139

Parking aid sensor, outer left (15K859)



FEMALE

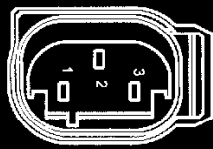
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1441 (WH/LG)	Parking aid sensor, outer left (15K859) signal
3	1440 (DG/YE)	Signal return

C4009

C4010 (BK)

14N139

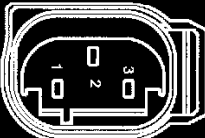
Parking aid sensor, inner left (15K859)



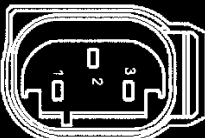
FEMALE

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1442 (DG/WH)	Parking aid sensor, inner left (15K859) signal
3	1440 (DG/YE)	Signal return

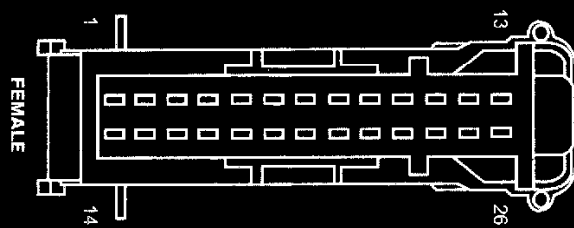
C4010

C4011 (BK)		
14N139		
Parking aid sensor, outer right (15K859)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1444 (DB/YE)	Parking aid sensor, outer right (15K859) signal
3	1440 (DG/YE)	Signal return

C4011

C4012 (BK)		
14N139		
Parking aid sensor, inner right (15K859)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1443 (WH/LB)	Parking aid sensor, inner right (15K859) signal
3	1440 (DG/YE)	Signal return

C4012

C4014 (BK)**15K867**Parking Aid
Module
(PAM)
(15K866)

Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage in Run (overload protected)
2	-	not used
3	57 (BK)	Ground
4	-	not used
5	70 (LB/WH)	ISO Bus
6	-	not used
7	1435 (DGM/T)	On/Off signal
8	-	not used
9	140 (BK/PK)	Reversing lamps relay, switched output
10	1442 (DGM/WH)	Parking aid sensor, inner left (15K859) signal
11	1441 (LGM/WH)	Parking aid sensor, outer left (15K859) signal
12	-	not used
13	-	not used

Pin	Circuit	Circuit function
14	1437 (BK/PK)	Parking aid speaker -
15	1439 (BR/PK)	Reference voltage
16	1440 (DGL/G)	Signal return
17	1438 (DG)	Parking aid speaker +
18	-	not used
19	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
20	-	not used
21	-	not used
22	-	not used
23	1443 (WH/LB)	Parking aid sensor, inner right (15K859) signal
24	1444 (DB/YE)	Parking aid sensor, outer right (15K859) signal
25	-	not used
26	-	not used

C4014

C4015 (WH)
14A504
15K867
Parking
aid
speaker

FEMALE

Pin	Circuit	Circuit function
1	1438 (DG)	Parking aid speaker +
2	1437 (BK/PK)	Parking aid speaker -

C4015

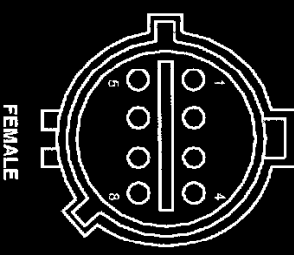
C4032 (BN)
13A409
Park/stop/
turn lamp,
right rear

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right/rear

C4032

C4033 (BK)
14405
Fuel tank unit
(3H307)



FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	1703 (RD/LG)	Signal return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C368) signal
4	3074 (BK/OG)	Fuel tank pressure transducer sensor, reference voltage
5	29 (YE/WH)	Fuel sender, signal
6	866 (WH)	Inertia Fuel Shutoff (IFS) switch, ground
7	922 (WH/RD)	Fuel pump, Power
8	396 (BK/OG)	Fuel sender, return

C4033

C4035 (BN)
13A409
Park/
stop/turn
lamp, left
rear



FEMALE

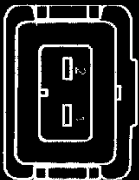
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4035

C4094 (BK)

13A409

Side lamp 1,
LT rear



FEMALE

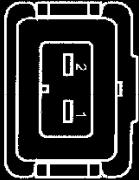
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4094

C4095 (BK)

13A409

Side
lamp 2,
LT rear



FEMALE

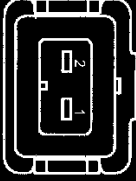
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4095

C4096 (BK)

13A409

Side lamp 1,
RH rear



FEMALE

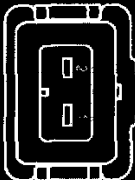
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4096

C4097 (BK)

13A409

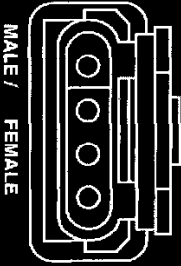
Side lamp 2,
RH rear



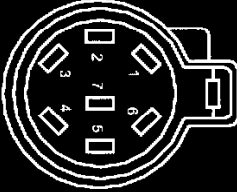
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4097

C4098 (BK)		
14405		
Trailer tow connector, 3-pin		
		
MALE / FEMALE		
Pin	Circuit	Circuit function
1	64 (DG)	Trailer tow relay, right turn, switched power
2	52 (YE)	Trailer tow relay, left turn, switched power
3	962 (BN/WH)	Trailer tow relay, parking lamp, switched power
4	206 (WH)	Ground

C4098

C4099 (BK)		
14405		
Trailer tow connector, 7-pin		
		
FEMALE		
Pin	Circuit	Circuit function
1	52 (YE)	Trailer tow relay, left turn, switched power
2	206 (WH)	Ground
3	43 (DB)	not used
4	64 (DG)	Trailer tow relay, right turn, switched power
5	49 (OG)	Trailer tow relay, battery charge, switched power
6	962 (BN/WH)	Trailer tow relay, parking lamp, switched power
7	963 (BK/LG)	Trailer tow relay, reversing lamp, switched power

C4099

C4132 (GY)
14405
Fuel tank selector valve



FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	786 (RD)	Fuel tank selector valve +/-
3	789 (BN/WH)	Fuel tank selector valve +/-
4	57 (BK)	Ground
5	57 (BK)	Ground
6	57 (BK)	Ground

C4132

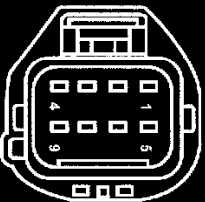
C9013 (BK)
17C712
Overhead Console



FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	-	not used
4	19 (LB/RD)	Instrument illumination feed
5	-	not used
6	-	not used
7	53 (BK/LB)	Interior lamps relay, switched output
8	54 (LG/YE)	Battery saver relay, switched output
9	57 (BK)	Ground
10	1173 (BN/OG)	Roof opening panel, common
11	1174 (WH/RD)	Roof opening panel, Open circuit
12	1175 (TN/RD)	Roof opening panel, Close circuit
13	-	not used
14	-	not used
15	-	not used
16	-	not used

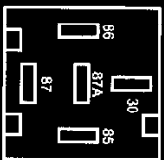
C9013

C2040 (GV)		
14401		
Accelerator pedal position sensor		
		
FEMALE		
Pin	Circuit	Circuit function
1	3011 (BK/OG)	Signal return
2	3835 (YE/WH)	Accelerator pedal position sensor 1, signal
3	3014 (BK/WH)	Accelerator pedal position sensor 3, return
4	-	not used
5	3012 (WH)	Accelerator pedal position sensor 2, signal
6	3013 (GY/BK)	Accelerator pedal position sensor, 3 power
7	3010 (TN)	Voltage reference
8	3015 (WH/RD)	Accelerator pedal position sensor 3, signal

C2040

System Diagram

Upfitter Relays

C258		
14401		
Upfitter relay		
		
FEMALE		
Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (overload protected)
85	-	Voltage in Run (overload protected)
86	-	Ground
87	-	Switched output, voltage in run
87A	-	not used

C258

C2301
14A303
Upfilter relay #1

FEMALE

Pin	Circuit	Circuit function
30	1448 (OG/RD)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	153 (VT/YE)	Relay control circuit
87	1936 (OG/LG)	Voltage supplied when relay energized (overload protected)
87a	-	not used

C2301

C2302
14A303
Upfilter relay #2

FEMALE

Pin	Circuit	Circuit function
30	1445 (RD/LG)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	154 (VT/LG)	Relay control circuit
87	1933 (OG)	Voltage supplied when relay energized (overload protected)
87a	-	not used

C2302

C2303

14A303

Upfitter relay #3

241

5

3

FEMALE

Pin	Circuit	Circuit function
1	155 (GY/RD)	Relay control circuit
2	57 (BK)	Ground
3	1446 (RD/LB)	Voltage supplied at all times (overload protected)
4	-	not used
5	1934 (OG/YE)	Voltage supplied when relay energized (overload protected)

C2303

C2304

14A303

Upfitter relay #4

241

5

3

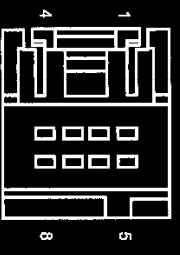
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	156 (GY/OG)	Relay control circuit
3	1447 (RD)	Voltage supplied at all times (overload protected)
4	-	not used
5	1935 (OG/LB)	Voltage supplied when relay energized (overload protected)

C2304

Upfitter Switch

C2300 (GV)
14A303
Uprifter switch

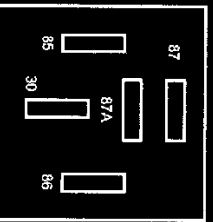


FEMALE

Pin	Circuit	Circuit function
1	156 (GV/OG)	Relay control circuit
2	19 (LB/RD)	Instrument illumination, feed
3	57 (BK)	Ground
4	-	not used
5	155 (GV/RD)	Relay control circuit
6	154 (VT/LG)	Relay control circuit
7	153 (VT/YE)	Relay control circuit
8	296 (WH/VT)	Voltage in Run (overload protected)

C2300

C2075
14401
Accessory delay relay

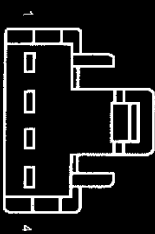


FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	-	Battery saver relay, switched output
86	-	Accessory delay relay, control
87	-	Accessory delay relay, switched output
87A	-	not used

C2075

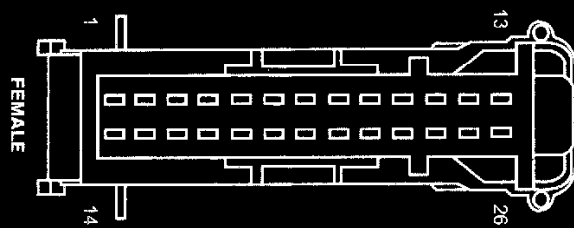
C909 (BK)
17C712
Compass
sensor
module



FEMALE

Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	703 (WH/OG)	Compass data -
4	702 (WH/BK)	Compass data +

C909

C4014 (BK)**15K867**Parking Aid
Module
(PAM)
(15K866)

Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage in Run (overload protected)
2	-	not used
3	57 (BK)	Ground
4	-	not used
5	70 (LB/WH)	ISO Bus
6	-	not used
7	1435 (DGM/T)	On/Off signal
8	-	not used
9	140 (BK/PK)	Reversing lamps relay, switched output
10	1442 (DGM/WH)	Parking aid sensor, inner left (15K859) signal
11	1441 (LGM/WH)	Parking aid sensor, outer left (15K859) signal
12	-	not used
13	-	not used

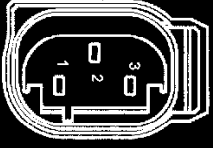
Pin	Circuit	Circuit function
14	1437 (BK/PK)	Parking aid speaker -
15	1439 (BR/PK)	Reference voltage
16	1440 (DGL/G)	Signal return
17	1438 (DG)	Parking aid speaker +
18	-	not used
19	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
20	-	not used
21	-	not used
22	-	not used
23	1443 (WH/LB)	Parking aid sensor, inner right (15K859) signal
24	1444 (DB/YE)	Parking aid sensor, outer right (15K859) signal
25	-	not used
26	-	not used

C4014

C4009 (BK)

14N139

Parking aid sensor, outer left (15K859)



FEMALE

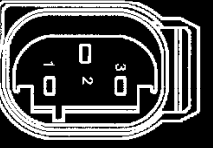
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1441 (WH/LG)	Parking aid sensor, outer left (15K859) signal
3	1440 (DG/YE)	Signal return

C4009

C4011 (BK)

14N139

Parking aid sensor, outer right (15K859)



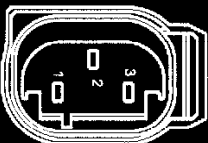
FEMALE

Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1444 (DB/YE)	Parking aid sensor, outer right (15K859) signal
3	1440 (DG/YE)	Signal return

C4011

C4010 (BK)		
14N139		
Parking aid sensor, inner left (15K859)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1442 (DG/WH)	Parking aid sensor, inner left (15K859) signal
3	1440 (DG/YE)	Signal return

C4010

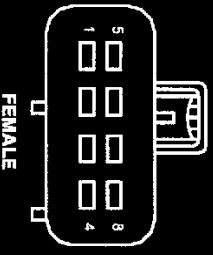
C4012 (BK)		
14N139		
Parking aid sensor, inner right (15K859)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1439 (BN/PK)	Reference voltage
2	1443 (WH/LB)	Parking aid sensor, inner right (15K859) signal
3	1440 (DG/YE)	Signal return

C4012

C2035 (BU)

14401

Parking aid
disable switch
(15A860)



FEMALE

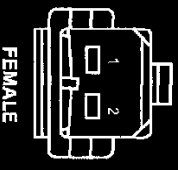
Pin	Circuit	Circuit function
1	676 (PK/OG)	Ground
2	1436 (DG/VT)	On/Off signal
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
7	-	not used
8	19 (LB/RD)	Instrument illumination, feed

C2035

C4015 (WH)

14A504
15K867

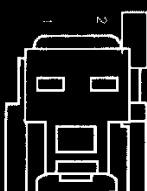
Parking aid
speaker



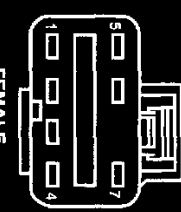
FEMALE

Pin	Circuit	Circuit function
1	1438 (DG)	Parking aid speaker +
2	1437 (BK/PK)	Parking aid speaker -

C4015

C2003 (GY) 14401 Adjustable pedal motor (93662)		
		
MALE		
Pin	Circuit	Circuit function
1	1489 (LB/BK)	Adjustable pedal motor +/-
2	1490 (LB/OG)	Adjustable pedal motor +/-

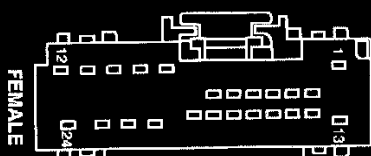
C2003

C2089 (BK) 14401 Adjustable pedal switch		
		
FEMALE		
Pin	Circuit	Circuit function
1	1490 (LB/OG)	Adjustable pedal motor +/-
2	1567 (RD/LB)	Voltage supplied at all times (overload protected)
3	57 (BK)	Ground
4	57 (BK)	Ground
5	19 (LB/RD)	Instrument illumination, feed
6	57 (BK)	Ground
7	1489 (LB/BK)	Adjustable pedal motor +/-

C2089

Radio (1 880 6)

* with steering wheel radio controls



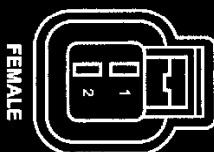
FEMALE

Pin	Circuit	Circuit function
1	797 (LG/NT)	Voltage supplied at all times (overload protected)
2	194 (PK)	Accessory delay relay, switched output
3	19 (LB/RD)	Instrument illumination, feed
4	57 (BK)	Ground
5	-	not used
6	-	not used
7	-	not used
8	804 (OG/LG)	Speaker, left front (18808) +
9	800 (GY/LB)	Rear Integrated Control Panel (RICP) (19980) +
10	802 (OG/RD)	Rear Integrated Control Panel (RICP) (19980) +
11	805 (WH/LG)	Speaker, right front (18808) +
12	811 (DG/OG)	Speaker, right front (18808) -
13	694 (BK/LG)	Ground
14	679 (GY/BK)	Vehicle speed sensor (VSS), signal
15	1000 (RD/BK)	Voltage supplied in Start (overload protected)
16	-	not used
17	-	not used
18	*596 (LB/RD)	Auxiliary audio controls, steering wheel
19	-	not used
20	-	not used
21	813 (LB/MH)	Speaker, left front (18808) -
22	801 (TN/YE)	Speaker, left rear (18808) -
23	803 (BN/PK)	Speaker, right rear (18808) -
24	-	not used

C290a

C802 (BK)
14A005

**Speaker,
right rear
(18803)**



FEMALE

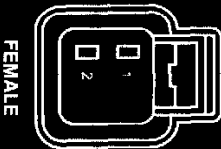
Pin	Circuit	Circuit function
1	802 (OG/RD)	Speaker, right rear (18008) +
2	803 (BN/PK)	Speaker, right rear (18008) -

C802

C612 (BK)

14A005

Speaker,
right front
(18808)



FEMALE

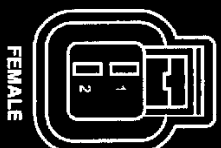
Pin	Circuit	Circuit function
1	805 (W-H/LG)	Speaker, right front (18808) +
2	811 (DG/OG)	Speaker, right front (18808) -

C612

C523 (BK)

14A005

Speaker, left
front (18808)

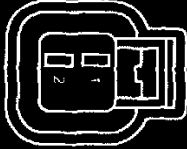


FEMALE

Pin	Circuit	Circuit function
1	804 (OG/LG)	Speaker, left front (18808) +
2	813 (LB/WH)	Speaker, left front (18808) -

C523

C702 (BK)
14A005
Speaker, left rear
18808

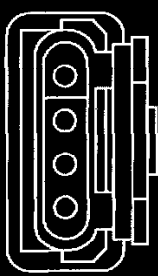


FEMALE

Pin	Circuit	Circuit function
1	800 (GY/LB)	Speaker, left rear (18808) +
2	801 (TN/YE)	Speaker, left rear (18808) -

C702

C4098 (BK)
14A05
Trailer tow connector, 1-3rd



MALE / FEMALE

Pin	Circuit	Circuit function
1	64 (DG)	Trailer tow relay, right turn, switched power
2	52 (YE)	Trailer tow relay, left turn, switched power
3	962 (BN/VH)	Trailer tow relay, parking lamp, switched power
4	206 (WH)	Ground

C4098

C4099 (BK)
14405
 Trailer tow connector, 7-pin

FEMALE

Pin	Circuit	Circuit function
1	52 (YE)	Trailer tow relay, left turn, switched power
2	206 (WH)	Ground
3	43 (DB)	not used
4	64 (DG)	Trailer tow relay, right turn, switched power
5	49 (OG)	Trailer tow relay, battery charge, switched power
6	962 (BN/WH)	Trailer tow relay, parking lamp, switched power
7	963 (BK/LG)	Trailer tow relay, reversing lamp, switched power

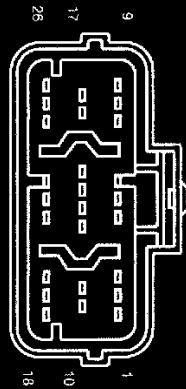
C4099

C256 (BK)
14401
 Passenger air bag module (15044A74)

FEMALE

Pin	Circuit	Circuit function
1	616 (PK/BK)	Passenger air bag, return
2	—	not used
3	607 (LB/OG)	Passenger air bag, feed, monitor

C256

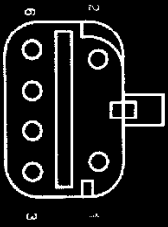
C2041 (K)**14401**Restraints control
module (148521)**FEMALE**

Pin	Circuit	Circuit function
1	-	not used
2	609 (OG/YE)	Voltage supplied in run (overload protected)
3	614 (GY/OG)	Driver air bag, feed, monitor
4	615 (GY/WH)	Driver air bag, return
5	70 (LB/WH)	ISO Bus
6	607 (LB/OG)	Passenger air bag, feed, monitor
7	616 (PK/BK)	Passenger air bag, return
8	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, signal
9	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
10	-	not used
11	-	not used
12	-	not used
13	608 (OG/YE)	Voltage supplied in run (overload protected)

Pin	Circuit	Circuit function
14	-	not used
15	-	not used
16	-	not used
17	1886 (GY)	Vehicle Emergency Messaging System (VEMS) airbag activation signal
18	-	not used
19	-	not used
20	608 (BK/YE)	Air bag indicator, control
21	649 (BK/OG)	Air bag, dedicated ground
22	-	not used
23	-	not used
24	-	not used
25	-	not used
26	1083 (LB/PK)	Air bag, tone driver

C2041

C2099 (BK)
14401
Passenger Air
bag
Deactivation
(PAD) switch

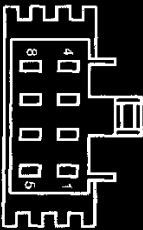


FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
4	609 (OG/YE)	Voltage supplied in run (overload protected)
5	649 (BK/OG)	Ground
6	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, signal

C2099

C289 (WH)
14401
Temperature
blend door
actuator
(19E51B)



FEMALE

* with manual A/C
** with EATC

Pin	Circuit	Circuit function
1	**437 (YE/LG)	Temperature blend door actuator, control, signal
2	-	not used
3	*437 (YE/LG)	Temperature blend door actuator, control, signal
4	**-	not used
5	*436 (RD/LG)	Air temperature door variable resistor +
6	438 (RD/WH)	Air temperature door variable resistor -
7	**249 (DB/LG)	Blend door actuator +
8	**250 (OG)	Voltage in Run (overload protected)
	**57 (BK)	Blend door actuator -
		Ground

C289

C128 (BK)

Mass Air Flow (MAF) sensor (13480)

12B637

Gasoline

12A581

Diesel

Pin	Circuit	Circuit function
1	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal
	*369 (GY/RD)	Signal return
2	359 (GY/RD)	Signal return
	*361 (RD)	PCM power relay, switched power
3	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
	*570 (BK/WH)	Ground
4	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579), signal, return
5	570 (BK/WH)	Ground
	*967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
6	361 (RD)	PCM power relay, switched power
	*743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal

C128

C102a

14305

12B637

Generator

Pin	Circuit	Circuit function
1	904 (LG/RD)	Generator/Battery indicator, control
2	*4 (WH/BK)	Generator regulator "S" terminal to generator "S" terminal
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C102a

C102b
14305
Generator



(GV)

14B060 6.8L/5.4L

FEMALE



FEMALE

Pin	Circuit	Circuit function
1	4 (WH/BK)	Generator regulator "S" terminal to generator "S" terminal

C102b

C102c
14305
Generator



12B637

6.0L



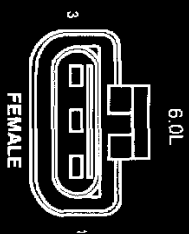
Pin	Circuit	Circuit function
1	36 (Y/WH)	Voltage supplied at all times (overload protected)
*1	1119 (RD)	Voltage supplied at all times (overload protected)

C102c

C1251a (BK)

14305

Generator secondary



Pin	Circuit	Circuit function
1	1185 (YE)	Charge (including: ammeter/voltmeter) indicator
2	-	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C1251a

C1251c

14305

Generator secondary



Pin	Circuit	Circuit function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

C1251c

C132 (BK)

14K073

Ambient air
temperature
sensor (19E702)



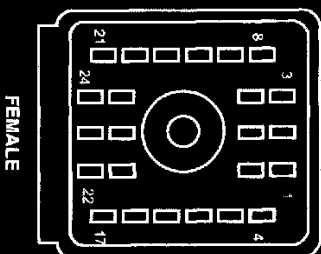
FEMALE

Pin	Circuit	Circuit function
1	470 (PK/BK)	Sensor signal return
2	3061 (LB/OG)	Ambient air temperature sensor (19E702) signal

C132

C1385 (BK)
15525
 TorqShift Transmission

* 6.0L
 ** Others



FEMALE

Pin	Circuit	Circuit function
1	125 (DB/WH) (SSPC-E) (7J136), control	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control
2	-	not used
3	315 (VT/OG) B (SSPC-B) (7J136), control	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
4	236 (BK/LG) C (SSPC-C) (7J136), control	Shift Solenoid Pressure Control D (SSPC-C) (7J136), control
5	971 (PK/BK) C (SSPC-C) (7J136), control	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
6	-	not used
7	1876 (YE/WH) Torque Converter Clutch (TCC) solenoid (7J136), control	Shift solenoid VPWR
8	924 (BN/OG) Torque Converter Clutch (TCC) solenoid (7J136), control	Torque Converter Clutch (TCC) solenoid (7J136), control
9	-	not used
10	480 (VT/YE) Pressure Control (PC-A) solenoid (7G383), control	Pressure Control (PC-A) solenoid (7G383), control
11	-	not used
12	237 (OG/YE) Shift Solenoid Pressure Control A (SSPC-A) (7J136), control	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control

Pin	Circuit	Circuit function
13	-	not used
14	-	not used
15	199 (LB/YE) Transmission Range Sensor Assembly (TR-P) (7H557), signal	Transmission Range Sensor Assembly (TR-P) (7H557), signal
16	-	not used
17	*570 (BK/WH) (TR-P) (7H557), Ground	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
18	**1867 (OG) Transmission Range Sensor Assembly (TR-P) (7H557), Ground	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
19	923 (OG/BK) Transmission Fluid Temperature (TFT) sensor (7H141)	Transmission Fluid Temperature (TFT) sensor (7H141)
20	-	not used
21	1876 (YE/WH) Shift solenoid VPWR	Shift solenoid VPWR
22	*371 (PK/WH) Reference voltage	Reference voltage
23	**3087 (DG/V1) Signal return, Transmission Fluid Temperature (TFT) sensor (7H141)	Signal return, Transmission Fluid Temperature (TFT) sensor (7H141)
24	**1704 (VT/LG) not used	not used
25	1876 (YE/WH) Shift solenoid VPWR	Shift solenoid VPWR

C1385

C2255 (BK)

14401

Tow/Haul switch



A
C
MALE

Pin	Circuit	Circuit function
A	-	not used
B	296 (WH/VT)	Voltage supplied in run (overload protected)
C	224 (TN/WHT)	Tow/Haul switch, signal

C2255

C2008 (BK)

14401

Brake
shift
interlock



3
1
FEMALE

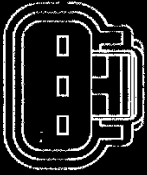
Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage supplied in run (overload protected)
2	57 (BK)	Ground
3	810 (RD/LG)	Brake pedal position switch (13480), input

C2008

C1107 (BK)
15525
Output Shaft Speed (OSS) sensor (7H103)

*Diesel
**Gas

FEMALE



Pin	Circuit	Circuit function
1	*371 (PK/WH) **3087 (DG/VT)	Reference voltage Reference voltage
2	136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103), signal
3	*570 (BK/WH) **1704 (VT/LG)	Ground Signal return

C1107

C1387 (BK)
15525
Speed sensor assembly (7M101)

* 6/0L
** others

FEMALE



Pin	Circuit	Circuit function
1	*371 (PK/WH) **3087 (DG/VT)	Reference voltage Reference voltage
2	*570 (BK/WH) **1704 (VT/LG)	Ground Signal return
3	970 (DG/WH)	Turbine Shaft Speed (TSS) sensor (7H103), signal
4	134 (GY/OG)	Intermediate Shaft Speed (ISS) sensor (7M101), signal

C1387

C2033 (BK)
14401
Power point,
instrument
panel
(19M236)

FEMALE

Pin	Circuit	Circuit function
1	1049 (BN/PK)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

C2033

C451 (GN)
13A409
Reversing
lamp, left
(13411)

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	140 (BK/PK)	Reversing lamps relay, switched output

C451

C461 (GN)
13A409
 Reversing lamp, right
 (13411)

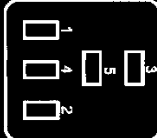


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	140 (BK/PK)	Reversing lamps relay, switched output

C461

C2257
12A581
 Reversing lamp relay

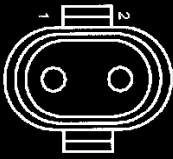


FEMALE

Pin	Circuit	Circuit function
1	-	Reversing lamps relay, control
2	-	Ground
3	-	Voltage supplied at all times (overload protected)
4	-	not used
5	-	Reversing lamps relay, switched output

C2257

C169 (WH)
15525
Reversing lamps
switch

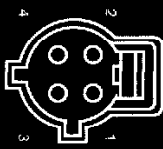


FEMALE

Pin	Circuit	Circuit function
1	324 (YELG)	Reversing lamp relay control
2	57 (BK)	Ground

C169

C2256 (BK)
14401
Barometric
Absolute
Pressure
(BAP) switch



FEMALE

Pin	Circuit	Circuit function
1	3011 (BK/OG)	Signal return
2	3010 (TN)	Reference voltage
3	356 (DB/LG)	Sensor signal
4	-	not used

C2256

C1100a
14300
14305
14B060
Battery (10665)





Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1100a

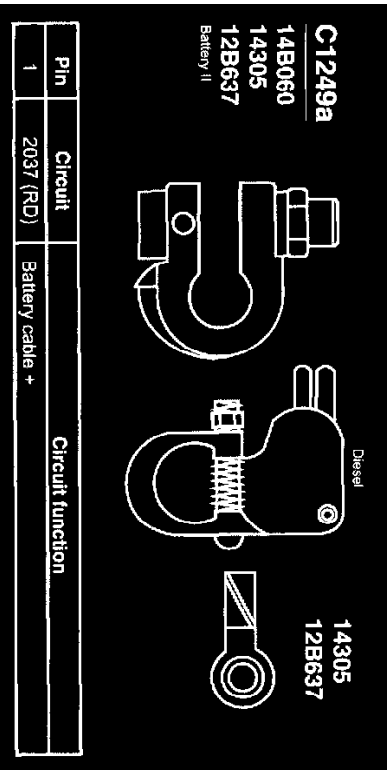
C1100b
14301
14B060
Battery (10655)



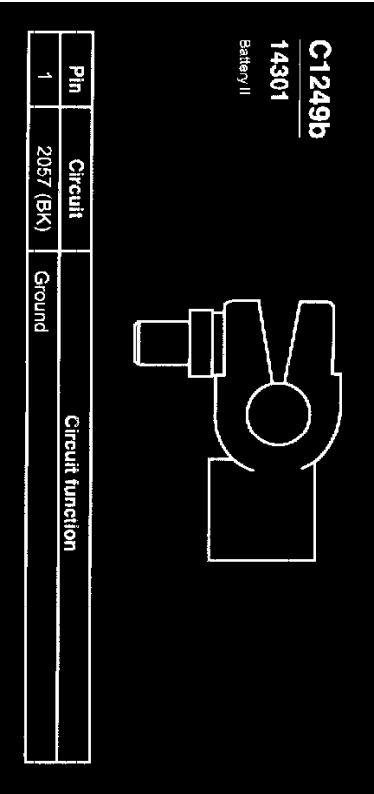


Pin	Circuit	Circuit function
1	2057 (BK)	Ground
	2057 (BK)	Ground

C1100b



C1249a



C1249b

C1031 (BK)
12A581

H-sealer
blower
motor
(19805)

FEMALE

Pin	Circuit	Circuit function
1	181 (BN/OG)	Blower motor relay, switched output
2	261 (OG/BK)	Blower motor, to switch

C1031

C1011
12A581

Blower
motor
relay

FEMALE

* w/ EATC

Pin	Circuit	Circuit function
30	364 (BK/LG)	Voltage supplied at all times (overload protected)
85	296 (WH/VT)	* Ground Voltage in Run (overload protected)
86	399 (BN/YE)	Blower motor relay, control * Blower motor relay, feed
87	181 (BN/OG)	Blower motor relay switched power, output
87A	-	not used

C1011

C1032 (WH)
19D605
Heater blower
motor resistor
(19A706)

FEMALE

Pin	Circuit	Circuit function
1	754 (LG/WH)	Blower switch speed control, to resistor
2	57 (BK)	Ground
3	752 (YE/RD)	Blower switch speed control, to resistor
4	261 (OG/BK)	Blower motor, to switch

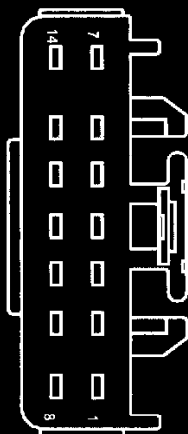
C1032

C1308
19D605
Blower motor
speed
controller
(19B624)

FEMALE

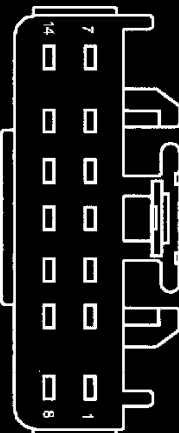
Pin	Circuit	Circuit function
1	752 (YE/RD)	Blower motor speed controller, Signal return
2	754 (LG/WH)	Blower motor speed controller, Signal return
3	751 (DB/WH)	Blower motor, High
4	261 (OG/BK)	Blower motor speed controller, command
5	57 (BK)	Ground

C1308

C2113a (GY)**14A005**Vehicle Security
Module (VSM)
(15K602)

* with Crew cab

Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock actuator +/-
2	1210 (BK/WH)	Door unlock, logic ground
3	1211 (WH/RD)	Door lock, logic ground
4	765 (YE/BK)	Door ajar switch, left front (14018), signal
5	761 (GY/RD)	Door ajar switch, right front (14018), signal
6	*760 (PK/LB)	Door ajar switch, right rear, signal
7	163 (RD/OG)	Driver door unlock relay, switched power
8	118 (PK/OG)	Door lock actuator +/-
9	-	not used
10	-	not used
11	*759 (LG/YE)	Door ajar switch, left rear, signal
12	-	not used
13	-	not used
14	57 (BK)	Ground

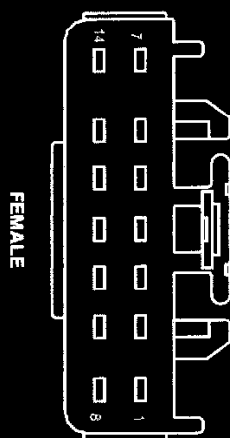
C2113a**C2113b** (GN)**14A005**Vehicle Security
Module (VSM)
(15K602)

Pin	Circuit	Circuit function
1	116 (RD/BK)	Voltage supplied at all times (overload protected)
2	14 (BN)	Power, Exterior lamps
3	1306 (PK/WH)	Voltage supplied at all times (overload protected)
4	1104 (LB)	Sunload sensor (19E663), signal
5	1399 (DB/WH)	Voltage supplied with autolamps on
6	1 (DB)	Horn relay, control
7	15 (RD/YE)	Power, Hot with Headlamps on
8	195 (TN/WH)	Voltage supplied at all times (overload protected)
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	196 (DB/OG)	Voltage supplied at all times (overload protected)

C2113b

13A005

Vehicle Security
Module (VSM)
(15K602)



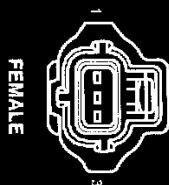
Pin	Circuit	Circuit function
1	-	not used
2	121 (YE/BK)	Key pad switch, circuit A, output
3	123 (RD)	Key pad switch, circuit C, output
4	124 (BN)	Key pad switch, common
5	693 (OG)	UBP Diagnostics
6	66 (LB)	Key pad switch, illumination
7	-	not used
8	-	not used
9	122 (YE)	Key pad switch, circuit B, output
10	-	not used
11	-	not used
12	-	not used
13	-	not used
14	-	not used

C2113c

C124 (BK)

12A581

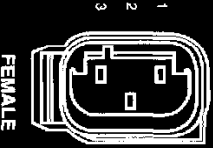
Brake fluid level
switch (2L414)



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	512 (TN/LG)	Brake fluid level switch (2L414), return
3	531 (DG/YE)	Brake fluid level switch (2L414), signal

C124

C1445 (BK)
14401
 Brake pressure transducer



FEMALE

Pin	Circuit	Circuit function
1	3600 (RD/MH)	Brake pressure signal return
2	3601 (WH/PD)	Brake pressure sensor
3	3602 (TN/YE)	High current sense, return

C1445

C4032 (BN)
13A409
 Park/stop/turn lamp, right rear



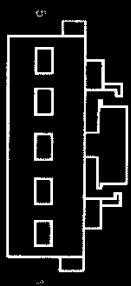
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OG/LB)	Turn lamps, feed, right rear

C4032

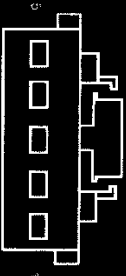
C4035 (BN)		
13A409		
Park/ stop/turn lamp, left rear		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4035

C278 (TN)		
14401		
Brake pedal position switch (13480)		
		
FEMALE		
Pin	Circuit	Circuit function
1	10 (LG/RD)	Voltage supplied at all times (overload protected)
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	810 (RD/LG)	Brake pedal position switch (13480), input
5	676 (PK/OG)	Ground

C278

C278 (TN)
14401
Brake pedal position switch (13480)

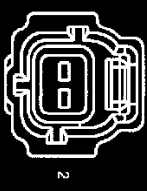


FEMALE

Pin	Circuit	Circuit function
1	10 (LG/RD)	Voltage supplied at all times (overload protected)
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	810 (RD/LG)	Brake pedal position switch (13480), input
5	676 (PK/OG)	Ground

C278

C1025 (BK)
12A581
Brake pressure switch (2B264)

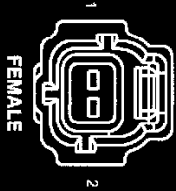


FEMALE

Pin	Circuit	Circuit function
1	418 (DG/YE)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C1025

C1025 (BK)
12A581
 Brake pressure switch (2B264)

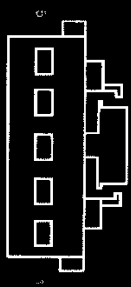


FEMALE

Pin	Circuit	Circuit function
1	418 (DG/YE)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C1025

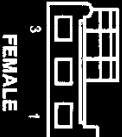
C278 (TN)
14401
 Brake pedal position switch (13480)



FEMALE

Pin	Circuit	Circuit function
1	10 (LG/RD)	Voltage supplied at all times (overload protected)
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	810 (RD/LG)	Brake pedal position switch (13480), input
5	676 (PK/OG)	Ground

C278

C233 (GY)		
14401		
In-vehicle temperature sensor (19C734)		
		
Pin	Circuit	Circuit function
1	790 (WH/OG)	In-vehicle temperature sensor (19C734) +
2	-	not used
3	470 (PK/BK)	Sensor signal return

C233

C1366 (BK)		
12B637		
Camshaft position sensor RH bank (6B286)		
		
Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	282 (DB/OG)	Camshaft position sensor 1 (6B286) control

C1366

C1367 (BK)
12B637
Camshaft
position sensor
LH Bank
(6B288)

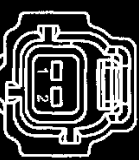


FEMALE

Pin	Circuit	Circuit function
1	359 (GY/RD)	Signal return
2	365 (OG)	Camshaft position sensor 2 (6B288) control

C1367

C1195 (BK)
12A581
Vapor management valve

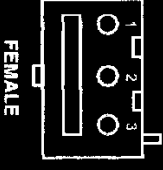


FEMALE

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, switched power
2	191 (LG/BK)	Vapor management valve, control

C1195

C904 (GY)
14A005
 High
 mounted
 stoplamp
 (13A613)



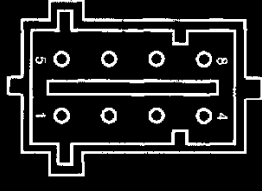
FEMALE

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	57 (BK)	Ground

C904

C218a (GY)
14401
 Air bag sliding
 contact (14A58A)

* with steering wheel controls



FEMALE

Pin	Circuit	Circuit function
1	158 (BK/PK)	Key warning switch (11A127), input
2	133 (BK)	Speed control switch return
3	1 (DB)	Horn relay, control
4	*595 (LB/RD)	Auxiliary audio controls, steering wheel
5	57 (BK)	Ground
6	19 (LB/RD)	Instrument illumination, feed
7	151 (LB/BK)	Speed control switch, input
8	*1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal

C218a

C218b (BK)
14401
 Air bag sliding
 contact (14A564)

FEMALE

Pin	Circuit	Circuit function
1	615 (GY/WH)	Driver air bag, return
2	-	not used
3	614 (GY/OG)	Driver air bag, feed, monitor

C218b

C257 (GY)
12A581
 Clutch pedal
 position switch

FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	570 (BK/WH)	Ground
	*640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
4	305 (TN/LB)	Clutch pedal deactivation switch signal
5	92 (LB/YE)	Clutch pedal starter interlock switch signal
6	570 (BK/WH)	Ground

*Diesel

C257



C100 (BK)

14305

12B637

A/C clutch field
coil (1RD748)



FEMALE

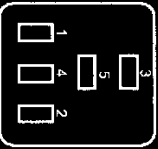
Pin	Circuit	Circuit function
1	321 (GY/WH)	A/C clutch relay, switched output
2	57 (BK)	Ground

C100

C1008

12A581

A/C
clutch
relay



FEMALE

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched output
2	331 (PK/YE)	A/C clutch relay, control
3	326 (WH/VT)	Voltage supplied at all times (overload protected)
4	-	not used
5	321 (GY/WH)	A/C clutch relay, switched output

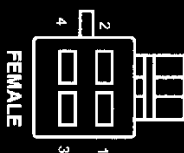
C1008

C9013 (BK)**17C712**

Overhead Console



Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	-	not used
4	19 (LB/RD)	Instrument illumination feed
5	-	not used
6	-	not used
7	53 (BK/LB)	Interior lamps relay, switched output
8	54 (LG/YE)	Battery saver relay, switched output
9	57 (BK)	Ground
10	1173 (BN/OG)	Roof opening panel, common
11	1174 (WH/RD)	Roof opening panel, Open circuit
12	1175 (TN/RD)	Roof opening panel, Close circuit
13	-	not used
14	-	not used
15	-	not used
16	-	not used

C9013**C294c (BK)****14401**Function
selector switch
assembly

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	261 (OG/BK)	Blower motor, to switch - High
3	752 (YE/RD)	Blower motor, speed control, low
4	754 (LG/WH)	Blower switch speed control, to resistor

C294c

C294a (RD)

14401

Function
selector switch
assembly, front

4
1
FEMALE

Pin	Circuit	Circuit function
1	296 (WH/VT)	Voltage in Run (overload protected)
2	348 (VT)	A/C demand signal
3	399 (BN/YE)	Blower motor relay, control
4	57 (BK)	Ground

C294a

C294b (BK)

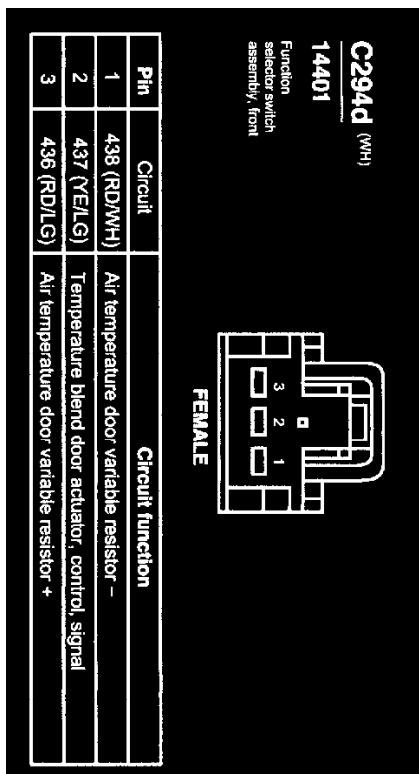
14401

Function
selector switch
assembly, front

2
1
FEMALE

Pin	Circuit	Circuit function
1	19 (LS/RD)	Instrument illumination, feed
2	57 (BK)	Ground

C294b



C294d

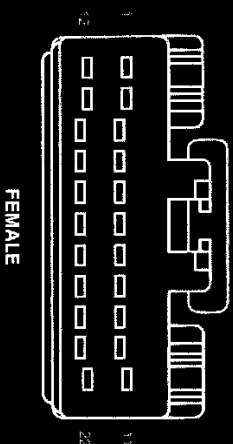
C228a (GY) 14401 Electronic Automatic Temperature Control (EATC) module (19990)		
 FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	676 (PK/OG)	Ground
3	752 (YE/RD)	Blower motor speed controller, Signal return
4	436 (RD/LG)	Air temperature door variable resistor +
5	1070 (BN/LB)	Audio/climate control switch, Climate Control System, signal
6	-	not used
7	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
8	-	not used
9	1106 (LG/WH)	Remote solenoid assembly, common
10	261 (OG/BK)	Blower motor, High
11	1111 (VT)	Remote solenoid #5, control
12	1110 (LG/VT)	Remote solenoid #4, control
13	1107 (WH)	Remote solenoid #1, control
14	19 (LB/RD)	Instrument illumination, feed
15	-	not used
16	754 (LG/WH)	Blower motor speed controller, command
17	-	not used
18	-	not used
19	790 (WH/OG)	In-vehicle temperature sensor (19C734) +
20	217 (DB/OG)	Temperature blend door actuator, control, signal
21	437 (YE/LG)	Blend door actuator, position sense, monitor
22	-	not used
23	399 (BN/YE)	Blower motor relay, feed
24	-	not used
25	1109 (OG/BK)	Remote solenoid #3, control
26	1108 (TN/WH)	Remote solenoid #2, control

C228a

C228b (GY)

14401

Electronic Automatic
Temperature Control
(EATC) module
(19980)



Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	693 (OG)	UBP Diagnostics
4	-	not used
5	470 (PK/BK)	Sensor signal return
6	438 (RD/W/H)	Air temperature door variable resistor -
7	-	not used
8	-	not used
9	-	not used
10	-	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used
17	-	not used
18	348 (VT)	A/C demand signal
19	250 (OG)	Blend door actuator -
20	249 (DBL/G)	Blend door actuator +
21	-	not used
22	296 (WH/V/T)	Voltage in Run (overload protected)

C228b

C931 (GY)

14A005

Interior/map
lamps
assembly,
front



Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	57 (BK)	Ground
3	54 (LG/YE)	Battery saver relay, switched output

C931

C932 (GY)
14A005
Interior/rear
lamps
assembly,
rear

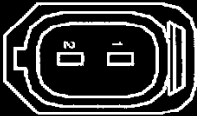


FEMALE

Pin	Circuit	Circuit function
1	53 (BK/LB)	Interior lamps relay, switched output
2	57 (BK)	Ground
3	54 (LG/YE)	Battery saver relay, switched output

C932

C3084 (BK)
19F504
Running
board lamp,
left front



FEMALE

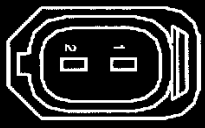
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output

C3084

C3085 (BK)

19F504

Running
board lamp,
left rear



FEMALE

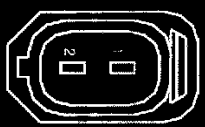
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3085

C3087 (BK)

19F504

Running
board lamp,
left rear



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3087

C3086 (BK)
19F504

Running
board lamp,
right foot



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamps relay, switched output

C3086

C101 (BK)
12B637

Crankshaft
position sensor
(6C315)

Gasoline engines



FEMALE

6.0L Diesel



FEMALE

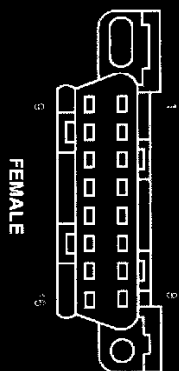
Pin	Circuit	Circuit function
1	**350 (GY)	Crankshaft position sensor (6C315) -
	*349 (DB)	Crankshaft position sensor (6C315) +
2	*350 (GY)	Crankshaft position sensor (6C315) -
	**349 (DB)	Crankshaft position sensor (6C315) +

* 6.0L

** others

C101

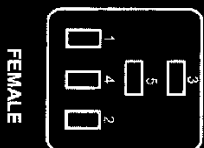
C251 (BK)
14401
Data Link Connector
(DLC) (14499)



Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	693 (OG)	UBP Diagnostics
4	57 (BK)	Ground
5	570 (BK/WH)	Ground
6	1908 (WH)	High speed CAN +
7	70 (LB/WH)	ISO Bus
8	-	not used
9	-	not used
10	-	not used
11	-	not used
12	-	not used
13	107 (VT)	Flash EE prom module programming signal (FEPS)
14	1909 (BK)	High speed CAN -
15	-	not used
16	40 (LB/WH)	Voltage supplied at all times (overload protected)

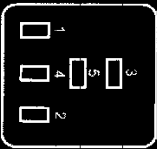
C251

C1171
12A581
Daytime
Running Lamps
(DRL) relay 1

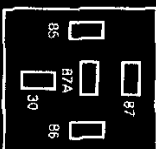


Pin	Circuit	Circuit function
1	295 (LB/PK)	Voltage supplied in run (overload protected)
2	162 (LG/RD)	Parking brake switch, input
3	295 (LB/PK)	Voltage supplied in run (overload protected)
4	175 (BK/YE)	Park brake relay, switched output
5	-	not used

C1171

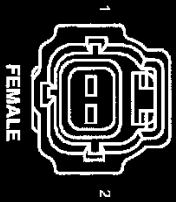
C1172		
12A581		
Daytime Running Lamps (DRL) relay 2		
		
FEMALE		
Pin	Circuit	Circuit function
1	15 (RD/YE)	Power, Hot with Headlamps on
2	57 (BK)	Ground
3	175 (BK/YE)	Park brake relay, switched output
4	1032 (WH/BK)	Daytime Running Lamps (DRL) relay 2, switched output
5	-	not used

C1172

C1000		
12A581		
Daytime Running Lamps (DRL) relay 3		
		
FEMALE		
Pin	Circuit	Circuit function
30	13 (RD/BK)	Headlamp circuit (DRL)
85	57 (BK)	Ground
86	1032 (WH/BK)	Daytime Running Lamps (DRL) relay 2, switched output
87	471 (OG/LG)	Daytime running lamps resistor, to Daytime Running Lamps (DRL) relay 3
87A	1033 (RD/YE)	Daytime Running Lamps (DRL) relay 2, switched output

C1000

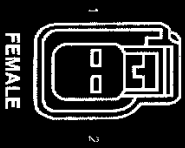
C196 (BK)
12A581
Daytime
running lamps
resistor



Pin	Circuit	Circuit function
1	471 (OG/LG)	Daytime Running Lamps (DRL) relay 3
2	554 (YE/BK)	Voltage supplied at all times (overhead protected)

C196

C455 (BK)
14A05
Rear axle
speed sensor
(4B409)

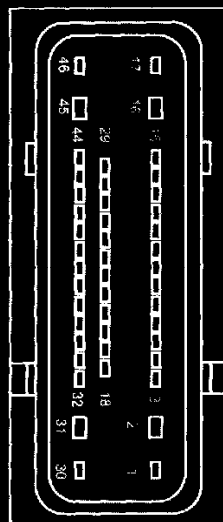


Pin	Circuit	Circuit function
1	519 (LG/BK)	Rear axle speed sensor (4B409) -
2	523 (RD/PK)	Rear axle speed sensor (4B409) +

C455

C135 (BK)**12A581**

ABS control module (2C219)



FEMALE

Pin	Circuit	Circuit Function
1	-	not used
2	534 (YE/LG)	Voltage supplied at all times (overload protected)
3	1908 (WH)	High speed CAN +
4	-	not used
5	-	not used
6	-	not used
7	-	not used
8	-	not used
9	-	not used
10	-	not used
11	-	not used
12	621 (TN/OG)	Wheel speed sensor, left front (2C205) +
13	522 (TN/BK)	Wheel speed sensor, left front (2C205) -
14	-	not used
15	-	not used
16	530 (LG/YE)	Chassis Ground
17	-	not used
18	1509 (BK)	High speed CAN -
19	-	not used
20	-	not used
21	678 (GY/BK)	Vehicle Speed Sensor (VSS), signal
22	-	not used
23	-	not used

Pin	Circuit	Circuit Function
24	-	not used
25	-	not used
26	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
27	516 (YE/BK)	Wheel speed sensor, right front (2C204) -
28	-	not used
29	-	not used
30	-	not used
31	532 (OG/YE)	Voltage supplied at all times (overload protected)
32	533 (TN/RD)	Voltage in Run (overload protected)
33	-	not used
34	-	not used
35	-	not used
36	-	not used
37	-	not used
38	-	not used
39	-	not used
40	-	not used
41	519 (LG/BK)	Rear axle speed sensor (4B409) -
42	523 (RD/PK)	Rear axle speed sensor (4B409) +
43	-	not used
44	-	not used
45	530 (LG/YE)	Chassis Ground
46	-	not used

C135

C174 (GY)

12B637

Ignition transformer
capacitor 1 (18801)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C174

C194 (GY)

12B637

Ignition transformer
capacitor 2 (18801)



FEMALE

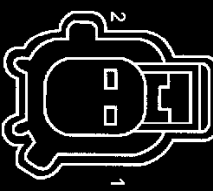
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C194

C1368 (BX)

12B837

Electronic
Throttle
Control (ETC)
motor
(9F991)

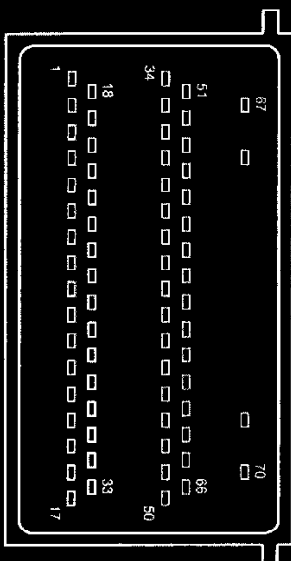


FEMALE

Pin	Circuit	Circuit function
1	1835 (DB/YE)	Electronic Throttle Control (ETC) motor +/-
2	1830 (RD/LG)	Electronic Throttle Control (ETC) motor -/+

C1368

C175a (BK)
12B837

 Powertrain Control Module
 (PCM) (AAA1001)
 5.4L
 6.8L


Pin	Circuit	Circuit function
1	19 (LG/BK)	Vapor management valve, control
2	**1276 (WH/OG)	Heated Positive Crankcase Ventilation (PCV) element, control
3	331 (PY/YE)	A/C clutch relay, control
4	439 (TN/LG)	A/C pressure switch, signal
5	48	Drain wire - shield
6	-	not used
7	-	not used
8	**1442 (WH/RD)	Coil On Plug (COP) 10, control
9	1029 (WH/RD)	Coil On Plug (COP) 8, control
10	1021 (LG/YE)	Coil On Plug (COP) 5, control
11	1026 (PK/WH)	Coil On Plug (COP) 2, control
12	1028 (WH/PK)	Coil On Plug (COP) 3, control
13	**1441 (YE/BK)	Coil On Plug (COP) 9, control
14	1030 (DG/YT)	Coil On Plug (COP) 4, control
15	1025 (OG/YE)	Coil On Plug (COP) 6, control
16	1027 (PK/LB)	Coil On Plug (COP) 7, control
17	1024 (LG/WH)	Coil On Plug (COP) 1, control
18	-	not used
19	225 (BK/YE)	Fuel rail temperature sensor signal
20	-	not used

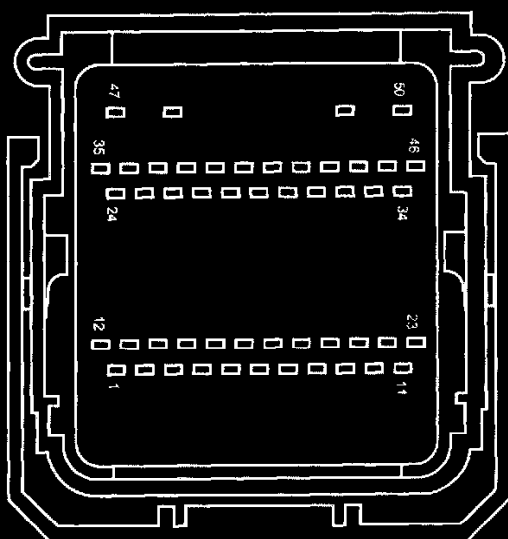
Pin	Circuit	Circuit function
21	-	not used
22	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), signal
23	-	not used
24	-	not used
25	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
26	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579), signal, return
27	*263 (YE/LB)	Engine Oil Temperature (EOT) sensor, signal
28	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9F472), input
29	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21 (9F472), input
30	1274 (DG/WH)	Knock sensor #2, signal -
31	311 (DG/YT)	Knock sensor #2, signal +
32	1289 (OG/LG)	Fuel rail pressure sensor signal
33	-	not used
34	1835 (DB/YE)	Electronic Throttle Control (ETC) motor +/-
35	556 (WH)	Fuel injector 2, control
36	558 (BN/LB)	Fuel injector 4, control
37	560 (LG/OG)	Fuel injector 6, control
38	562 (LB)	Fuel injector 8, control
39	**1101 (GY/RD)	Fuel injector 10 (9F593), control
40	-	not used

C175a (Part 1)

Pin	Circuit	Circuit function
41	1102 (YE/LG)	Cylinder head temperature sensor signal
42	-	not used
43	*373 (WH/RD)	Charge Motion Control Valve (CMCV) monitor
44	*365 (OG)	Camshaft position sensor 2 (6B288), signal
45	282 (DB/OG)	Camshaft position sensor 1 (6B288), signal
46	350 (GY)	Crankshaft position sensor (6C315) -
47	349 (DB)	Crankshaft position sensor (6C315) +
48	1273 (YE)	Knock sensor #1, signal -
49	310 (YE/RD)	Knock sensor #1, signal +
50	*367 (BN)	Charge Motion Control Valve (CMCV) control
51	1830 (RD/LG)	Electronic Throttle Control (ETC) motor -/+
52	555 (TN)	Fuel Injector 1 (9F593), control
53	557 (BN/YE)	Fuel Injector 3 (9F593), control
54	559 (TN/BK)	Fuel Injector 5 (9F593), control
55	561 (TN/RD)	Fuel Injector 7 (9F593), control

Pin	Circuit	Circuit function
56	**1100 (GY/BK)	Fuel Injector 9 (9F593), control
57	3073 (RD/WH)	Fuel rail temperature sensor reference voltage
58	359 (GY/RD)	Signal return
59	1946 (OG/LB)	Throttle Position Sensor (TPS) (9F991), signal return
60	357 (YE/WH)	Throttle Position Sensor (TPS) (9F991), signal 2
61	355 (GY/WH)	Throttle Position sensor (TPS) (9F991), signal 1
62	-	not used
63	-	not used
64	**1022 (DB/YE)	Intake Manifold Tuning Valve (IMTV) control
65	307 (BK/YE)	Brake pressure switch (2B264), input
66	1945 (VT/WH)	Throttle Position Sensor (TPS) (9F991), reference voltage
67	*641 (VT/LB)	Variable camshaft timing (VCT) solenoid 1 (6B297), control
68	*642 (OG/OG)	Variable camshaft timing (VCT) solenoid 2 (6B297), control
69	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9F472), heater
70	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21 (9F472), heater

C175a (Part 2)

C175b (BK)**12A581**Powertrain
Control Module
(PCM) 12A580*Automatic transmission
**Manual transmission

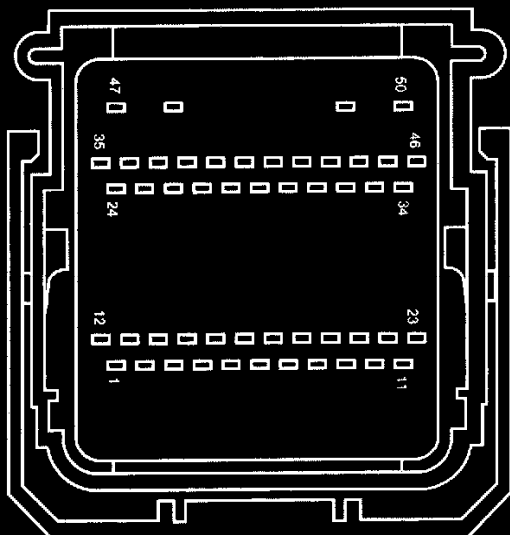
Pin	Circuit	Circuit function
1	239 (WH/OG)	Vehicle speed signal
2	329 (PK)	Starter relay control
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C052), signal
4	3013 (GY/BK)	Accelerator pedal position sensor 3, power
5	3835 (YE/WH)	Accelerator pedal position sensor 1, signal
6	3011 (BK/OG)	Signal return
7	2246 (OG/YE)	Power take-off RPM control signal
8	810 (RD/LG)	Brake pedal position switch (13480), input
9	2243 (OG/WH)	Power take off engage signal
10	567 (LB/YE)	Ground
11	1908 (WH)	High speed CAN +
12	926 (LB/OG)	Fuel pump driver module control signal
13	91 (VT/WH)	EVAP canister vent control solenoid, control

Pin	Circuit	Circuit function
14	1702 (GY/LB)	Heated Oxygen Sensor (HO2S) #13 (9G444), input
15	-	not used
16	3010 (TN)	Voltage reference
17	3012 (WH)	Accelerator pedal position sensor 2, signal
18	3014 (BK/WH)	Accelerator pedal position sensor 3, return
19	151 (LB/BK)	Speed control switch input
20	1886 (GY)	Vehicle Emergency Messaging System (VEMS) airbag activation signal
21	2022 (BN/OG)	Fuel pump driver module return
22	463 (RD/WH)	Automatic transmission neutral signal
23	1909 (BK)	High speed CAN -
24	324 (YE/LG)	Reversing lamps relay control
25	76 (LG/WH)	Tachometer output

C175b (Part 1)

Pin	Circuit	Circuit function
26	2242 (OG)	Power take-off
27	* 224 (TN/W/H)	Tow/haul switch signal
28	3015 (W/H/RD)	Accelerator pedal position sensor 3, signal
29	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
30	133 (BK)	Speed control switch return
31	-	not used
32	**306 (TN/LB)	Clutch pedal deactivation switch signal
33	-	not used
34	**92 (LB/YE)	Clutch pedal starter interlock switch signal
35	361 (RD)	PCM power relay, switched power
36	361 (RD)	PCM power relay, switched power
37	-	not used
38	1706 (W/H/BK)	Heated Oxygen Sensor (HO2S) #13 (9G444), return
39	-	not used
40	3074 (BK/OG)	Fuel tank pressure transducer sensor, voltage reference
41	1703 (RD/LG)	Signal return
42	2244 (OG/LB)	Power take-off status
43	-	not used
44	107 (VT)	Flash EE prom module programming signal (FEPS)
45	1683 (DG)	Voltage supplied at all times (overload protected)
46	1146 (LG/RD)	Transmission range, park signal
47	570 (BK/WH)	Ground
48	570 (BK/WH)	Ground
49	570 (BK/WH)	Ground
50	570 (BK/WH)	Ground

C175b (Part 2)

C175c (BK)**15525**Powertrain Control
Module (PCM)
(12A650)*Automatic transmission
**with Carbon Management
System (CMS)

Pin	Circuit	Circuit function
1	*237 (OG/YE)	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control
2	*315 (VT/OG)	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
3	*136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103), signal
4	*134 (GY/OG)	Intermediate Shaft Speed (ISs) sensor (7M101), signal
5	-	not used
6	-	not used
7	-	not used
8	-	not used
9	-	not used
10	*971 (PK/BK)	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
11	*236 (BK/LG)	Shift Solenoid Pressure Control D (SSPC-D) (7J136), control
12	*125 (DB/WH)	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control

FEMALE

Pin	Circuit	Circuit function
13	*924 (BN/OG)	Torque Converter Clutch (TCC) solenoid (7J136), control
14	-	not used
15	*970 (DG/WH)	Turbine Shaft Speed (TSS) sensor (7H103), signal
16	-	not used
17	-	not used
18	-	not used
19	*199 (LB/YE)	Transmission range sensor assembly (TR-P) (7H557) signal
20	-	not used
21	-	not used
22	-	not used
23	*480 (VT/YE)	Pressure Control (PC-A) solenoid (7G383), control
24	**392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12 (9G444), input
25	**393 (VT/LG)	Heated Oxygen Sensor (HO2S) #22 (9G444), input

C175c (Part 1)

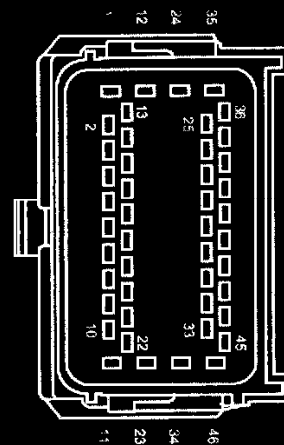
Pin	Circuit	Circuit function
26	-	not used
27	-	not used
28	-	not used
29	*923 (OG/BK)	Transmission Fluid Temperature (TFT) sensor (7H141), signal
30	-	not used
31	-	not used
32	-	not used
33	-	not used
34	-	not used
35	-	not used
36	-	not used
37	-	not used
38	-	not used
39	*3087 (DG/MT)	Reference voltage, Transmission Range Sensor Assembly (TR-P) (7H141)
40	-	not used
41	1704 (VT/LG)	Signal return
42	-	not used
43	-	not used
44	-	not used
45	-	not used
46	-	not used
47	**389 (WH/BK)	Heated Oxygen Sensor (HO2S) #12 (9G444), heater
48	**390 (TN/YE)	Heated Oxygen Sensor (HO2S) #22 (9G444), heater
49	*1876 (YE/WH)	Shift solenoid VPWR
50	*1867 (OG)	Transmission Range Sensor Assembly (TR-P) (7H557), Ground

C175c (Part 2)

C1381a (BK)

12A581

Powertrain
Control Module
(PCM) (12A550)



Diesel only
* Automatic transmission
** Manual transmission

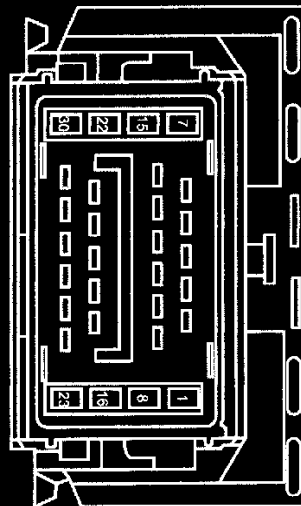
Pin	Circuit	Circuit function
1	76 (LG/WH)	Tachometer output
2	331 (PK/YE)	A/C clutch relay, control
3	463 (RD/WH)	Four wheel drive control module, neutral switch sense
4	329 (PK)	Starter relay, control
5	926 (LB/OG)	Fuel pump relay, control
6	2246 (OG/YE)	Power take-off RPM control signal
7	1857 (YE/WH)	Throttle position sensor feed
8	439 (TN/LG)	A/C pressure switch, signal
9	2248 (NT/LG)	Auto charge protect
10	567 (LB/YE)	Ground
11	570 (BK/WH)	Communication network ground (type 1 ground)
12	2242 (OG)	Power take-off

Pin	Circuit	Circuit function
13	1908 (WH)	High speed CAN +
14	1909 (BK)	High speed CAN -
15	643 (RD)	Water-in-fuel sensor, signal
16	440 (TN/LG)	A/C head pressure sensor
17	162 (LG/RD)	Parking brake switch, input
18	310 (RD/LG)	Brake pedal position switch (13480), input
19	797 (PK/BK)	Fuel pump power
20	3014 (BK/WH)	Accelerator pedal position sensor 3, return
21	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579) signal, return
22	239 (WH/OG)	Vehicle speed signal
23	570 (BK/WH)	Communication network ground (type 1 ground)

C1381a (Part 1)

Pin	Circuit	Circuit function
24	133 (BK)	Speed control switch return
25	3015 (WH/RD)	Accelerator pedal position sensor 3, signal
26	3835 (YE/WH)	Accelerator pedal position sensor 1, signal
27	**92 (LB/YE)	Clutch pedal starter interlock switch, signal
28	307 (BK/YE)	Brake pressure switch, input
29	3013 (GY/BK)	Accelerator pedal position sensor 2, return
30	3090 (VT)	Generator/Battery Indicator, control
31	151 (LB/BK)	Speed control switch input
32	2247 (OG/BK)	Power take off ground
33	359 (GY/RD)	Signal return
34	361 (RD)	PCM power relay, switched power
35	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
36	*224 (TN/WH)	Tow/Haul switch, signal
	**306 (TN/LB)	Clutch pedal deactivation switch, signal
37	3012 (WH)	Accelerator pedal position sensor 2, signal
38	356 (DB/LG)	Barometric pressure sensor feed
39	107 (VT)	Flash EEPROM Module Programming Signal (FEPS)
40	1683 (DG)	Voltage supplied at all times (overload protected)
41	358 (LG/BK)	Manifold absolute pressure
42	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), signal
43	743 (GY)	Intake air temperature (IAT) sensor (12A697), signal
44	2245 (OG/RD)	Power take off voltage reference
45	351 (BN/WH)	Power to engine sensors
46	361 (RD)	PCM power relay, switched power

C1381a (Part 2)

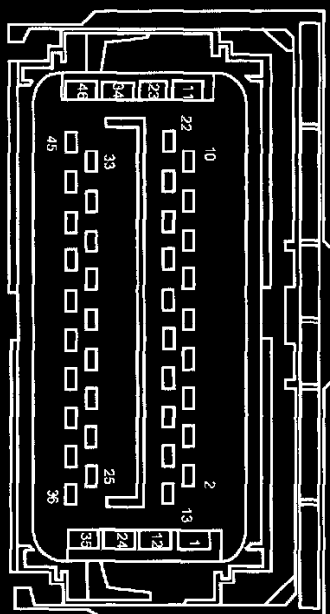
C1381b (BK)**15525**Powertrain
Control Module
(PCM)
(12A650)

FEMALE

Pin	Circuit	Circuit function
1	371 (PK/WH)	Reference voltage
2	480 (VT/YE)	Pressure Control (PC-A) solenoid (7G383), control
3	324 (YE/LG)	Reversing lamps relay, control
4	-	not used
5	1146 (LG/RD)	not used
6	-	not used
7	1876 (YE/WH)	Shift solenoid VPWR
8	-	not used
9	237 (OG/YE)	Shift Solenoid Pressure Control A (SSPC-A) (7J136), control
10	315 (VT/OG)	Shift Solenoid Pressure Control B (SSPC-B) (7J136), control
11	971 (PK/BK)	Shift Solenoid Pressure Control C (SSPC-C) (7J136), control
12	236 (BK/LG)	Shift Solenoid Pressure Control D (SSPC-D) (7J136), control
13	125 (DB/WH)	Shift Solenoid Pressure Control E (SSPC-E) (7J136), control
14	924 (BN/OG)	Torque Converter Clutch (TCC) solenoid (7J136), control

Pin	Circuit	Circuit function
15	-	not used
16	-	not used
17	-	not used
18	-	not used
19	-	not used
20	-	not used
21	-	not used
22	570 (BK/WH)	Transmission Range Sensor Assembly (TR-P) (7H557), Ground
23	-	not used
24	-	not used
25	199 (LB/YE)	Transmission Range Sensor Assembly (TR-P) (7H557), signal
26	923 (OG/BK)	Transmission Fluid Temperature (TFI) sensor (7H141), signal
27	134 (GY/OG)	Intermediate Shaft Speed (ISS) sensor (7M101), signal
28	136 (DB/YE)	Output Shaft Speed (OSS) sensor (7H103), signal
29	970 (DG/WH)	Turbine Shaft Speed (TSS) sensor (7M101), signal
30	1875 (OG/WH)	Signal return

C1381b

C1381c (BK)**12B637**Powertrain
Control Module
(PCM) (12A650)

FEMALE

Pin	Circuit	Circuit function
1	11B3 (WH/YE)	Generator/battery charge control
2	552 (YE/RD)	Injection Pressure Regulator (IPR), control
3	10B6 (VT/OG)	Glow Plug System, signal
4	11B5 (YE)	Generator/battery charge control (with dual generators)
5	-	not used
6	229 (RD/OG)	Electronic fan clutch, signal
7	-	not used
8	-	not used
9	-	not used
10	43 (DB)	Variable geometric turbo actuator, control
11	41 (BK/LB)	Variable geometric turbo actuator, common
12	-	not used
13	-	not used
14	228 (DB)	Electronic fan clutch, control
15	-	not used
16	-	not used
17	1277 (WH/LG)	Glow plug control module (GPCM), signal
18	-	not used
19	54 (LG/YE)	Fuel Injector Control Module (FICM), fuel delivery command
20	56 (DB/OG)	Fuel Injector Control Module (FICM), cylinder identification
21	-	not used
22	380 (BN/PK)	Engine cooling fan, Ground

Pin	Circuit	Circuit function
23	33 (WH/PK)	EGR valve actuator, control
24	-	not used
25	359 (GY/RD)	Signal return
26	70 (LB/WH)	CAN Bus 2L
27	553 (VT/LB)	Exhaust Back Pressure (EBP) sensor, signal
28	878 (PK/YE)	Fuel Injector Control Module (FICM), communication
29	812 (DB/LG)	Injection Control Pressure (ICP) sensor, signal
30	349 (DB)	Crankshaft position sensor (6C315) +
31	50 (RD)	Camshaft position sensor (6B288) +
32	3076 (YEM/WH)	Coolant temperature sensor, signal
33	34 (LB/OG)	EGR valve actuator, position sense
34	-	not used
35	-	not used
36	351 (BN/WH)	Reference voltage
37	69 (RD/LG)	CAN Bus 2H
38	-	not used
39	-	not used
40	-	not used
41	350 (GY)	Crankshaft position sensor (6C315) -
42	57 (BK)	Ground
43	49 (OG)	Camshaft position sensor (6B288) -
44	354 (LG/RD)	Engine Oil Temperature (EOT) sensor, signal
45	42 (RD/WH)	Air Charge Temperature (ACT) sensor, signal
46	352 (BN/LG)	Electronic fan clutch, Reference voltage

C1381c

C107 (WH)
14B102
Cylinder head temperature sensor (6G004)



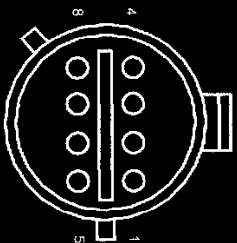
FEMALE

Pin	Circuit	Circuit function
1	1102 (YE/LG)	Cylinder head temperature sensor signal
2	359 (GY/RD)	Signal return

C107

C1158 (BK)
12B637
Electronic fan clutch

Diesel only



MALE

Pin	Circuit	Circuit function
1	229 (RD/OG)	Cooling fan speed signal
2	360 (BN/PK)	Signal return
3	-	not used
4	228 (DB)	Switched ground
5	361 (RD)	PCM power relay, switched power
6	352 (BN/LG)	Reference voltage
7	-	not used
8	-	not used

C1158

C152 (BK)
15A211
Fog lamp, left
front (15200)

FEMALE

Pin	Circuit	Circuit function
1	57 (BK) Ground	
2	478 (TNOG) Fog lamp relay, output, to fog lamps	

C152

C162 (BK)
15A211
Fog lamp, right
front (15200)

FEMALE

Pin	Circuit	Circuit function
1	57 (BK) Ground	
2	478 (TNOG) Fog lamp relay, output, to fog lamps	

C162

C1329
12A581
Fuel heater
relay

FEMALE

Pin	Circuit	Circuit function
30	1044 (WH/YE)	Voltage supplied at all times (overload protected)
85	57 (BK)	Ground
86	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
87	653 (DB)	Fuel heater relay, switched output
87A	-	not used

C1329

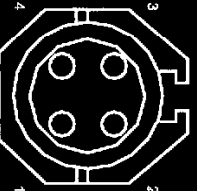
C181 (GV)
12B637
Fuel injector 1 (9F5031)

FEMALE

Pin	Circuit	Circuit function
1	555 (TN)	Fuel injector 1, control
2	391 (RD/YE)	PCM power relay, switched power

C181

C1181 (BK)
12B637
Fuel Injector 1 (9F593)

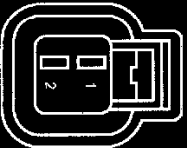


FEMALE

Pin	Circuit	Circuit function
1	4 (WH/BK)	Fuel injector 1 (9F593), open coil, Power
2	3 (LG/WH)	Fuel injector 1 (9F593), open coil, Ground
3	1 (DB)	Fuel injector 1 (9F593), close coil, Power
4	2 (WH/LB)	Fuel injector 1 (9F593), close coil, Ground

C1181

C182 (GY)
12B637
Fuel Injector 2 (9F593)



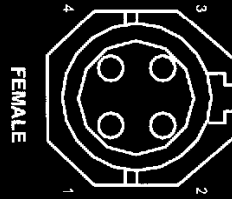
FEMALE

Pin	Circuit	Circuit function
1	556 (WH)	Fuel Injector 2, control
2	391 (RD/YE)	PCM power relay, switched power

C182

C1182 (BK)**12B637**

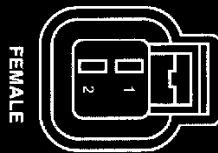
Fuel Injector 2 (9F593)



Pin	Circuit	Circuit function
1	20 (WH/LB)	Fuel Injector 2 (9F593), open coil, Power
2	19 (LB/RD)	Fuel Injector 2 (9F593), open coil, Ground
3	17 (WH)	Fuel Injector 2 (9F593), close coil, Power
4	18 (OG/YE)	Fuel Injector 2 (9F593), close coil, Ground

C1182**C1183** (GY)**12B637**

Fuel Injector 3 (9F593)

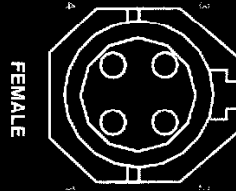


Pin	Circuit	Circuit function
1	557 (BN/YE)	Fuel Injector 3, control
2	391 (RD/YE)	PCM power relay, switched power

C1183

C1183 (BK)**12B637**

Fuel injector 3 (9F593)

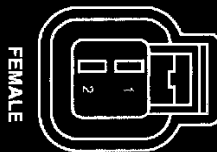


FEMALE

Pin	Circuit	Circuit function
1	28 (BK/PK)	Fuel injector 3 (9F593), open coil, Power
2	27 (OG/LG)	Fuel injector 3 (9F593), open coil, Power
3	25 (DG/VT)	Fuel injector 3 (9F593), close coil, Power
4	26 (WH/VT)	Fuel injector 3 (9F593), close coil, Ground

C1183**C184** (GY)**12B637**

Fuel injector 4 (9F593)

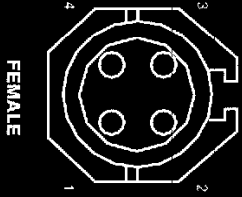


FEMALE

Pin	Circuit	Circuit function
1	558 (BN/LB)	Fuel Injector 4, control
2	391 (RD/YE)	PCM power relay, switched power

C184

C1184 (BK)
12B637
 Fuel injector 4 (9F593)

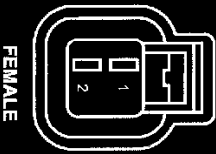


FEMALE

Pin	Circuit	Circuit function
1	33 (WH/PK)	Fuel Injector 4 (9F593), open coil, Power
2	7 (LG/YE)	Fuel Injector 4 (9F593), open coil, Ground
3	5 (OG/LB)	Fuel Injector 4 (9F593), close coil, Power
4	6 (YEL/G)	Fuel Injector 4 (9F593), close coil, Ground

C1184

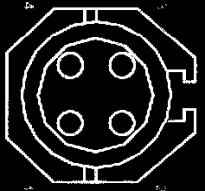
C185 (GY)
12B637
 Fuel injector 5 (9F593)



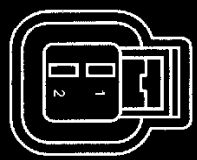
FEMALE

Pin	Circuit	Circuit function
1	569 (TN/BK)	Fuel injector 5, control
2	391 (RD/YE)	PCM power relay, switched power

C185

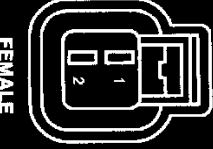
C1185 (BK) 12B637 Fuel injector 5 (9F593)		
		
FEMALE		
Pin	Circuit	Circuit function
1	24 (DB/OG)	Fuel injector 5 (9F593), open coil, Power
2	23 (TN/LG)	Fuel injector 5 (9F593), open coil, Ground
3	21 (DG/LG)	Fuel injector 5 (9F593), close coil, Power
4	22 (LB/BK)	Fuel injector 5 (9F593), close coil, Ground

C1185

C1186 (GY) 12B637 Fuel injector 6 (9F593)		
		
FEMALE		
Pin	Circuit	Circuit function
1	560 (LG/OG)	Fuel injector 6, control
2	391 (RD/YE)	PCM power relay, switched power

C1186

C187 (GY)
12B637
 Fuel injector 7 (9F593)

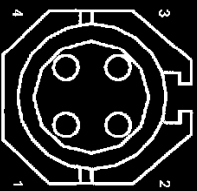


FEMALE

Pin	Circuit	Circuit function
1	561 (TN/RD)	Fuel injector 7, control
2	391 (RD/YE)	PCM power relay, switched power

C187

C1312 (BK)
12B637
 Fuel injector 7 (9F593)

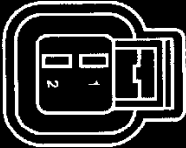


FEMALE

Pin	Circuit	Circuit function
1	12 (LG/BK)	Fuel injector 7 (9F593), open coil, Power
2	11 (TN/YE)	Fuel injector 7 (9F593), open coil, Ground
3	9 (LG/OG)	Fuel injector 7 (9F593), close coil, Power
4	10 (LG/RD)	Fuel injector 7 (9F593), close coil, Ground

C1312

C188 (GY)
12B637
Fuel Injector 8 (9F593)

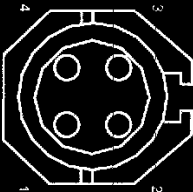


FEMALE

Pin	Circuit	Circuit function
1	562 (LB)	Fuel Injector 8, control
2	391 (RD/YE)	PCM power relay, switched power

C188

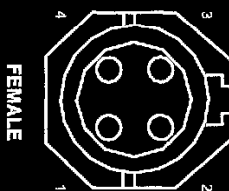
C1186 (BK)
12B637
Fuel Injector 8 (9F593)



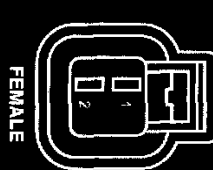
FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Fuel Injector 6 (9F593), open coil, Power
2	15 (RD/YE)	Fuel Injector 6 (9F593), open coil, Ground
3	13 (RD/BK)	Fuel Injector 6 (9F593), close coil, Power
4	14 (BN)	Fuel Injector 6 (9F593), close coil, Ground

C1186

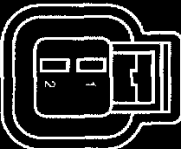
C1313 (BK)		
12B637		
Fuel injector 8 (9F593)		
		
FEMALE		
Pin	Circuit	Circuit function
1	32 (RD/LB)	Fuel injector 8 (9F593), open coil, Power
2	31 (WH/RD)	Fuel injector 8 (9F593), open coil, Ground
3	29 (YE/WH)	Fuel injector 8 (9F593), close coil, Power
4	30 (BK/LG)	Fuel injector 8 (9F593), close coil, Ground

C1313

C1204 (GY)		
12B637		
Fuel injector 9 (9F593)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1100 (GY/BK)	Fuel injector 9 (9F593), control
2	391 (RD/YE)	PCM power relay, switched power

C1204

C1205 (GY)
12B637
Fuel injector 10 (9F593)



FEMALE

Pin	Circuit	Circuit function
1	1101 (GY/RD)	Fuel injector 10 (9F593), control
2	391 (RD/YE)	PCM power relay, switched power

C1205

C1360 (BK)
9D930
12B637
Injection Pressure Regulator (IPR)



FEMALE

Pin	Circuit	Circuit function
A	361 (RD)	PCM power relay, switched power
B	552 (YE/RD)	Switched ground

C1360

C435 (GY)
14405
Fuel tank pressure transducer (9C052)

FEMALE

Pin	Circuit	Circuit function
1	3074 (BK/OG)	Fuel tank pressure transducer sensor voltage reference
2	1703 (RD/LG)	Signal return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C052), signal

C435

C1073 (BK)
12B637
Injector Pressure Sensor (IFS)

FEMALE

Pin	Circuit	Circuit function
1	1289 (OG/LG)	Fuel rail pressure sensor signal
2	3073 (RD/WH)	Fuel rail pressure sensor reference voltage
3	225 (BK/YE)	Fuel rail temperature sensor signal
4	359 (GY/RD)	Signal return

C1073

C1392 (GY)
9F759
 Fuel pump

Diesel only

FEMALE

Pin	Circuit	Circuit function
1	787 (PK/BK)	Fuel pump relay, switched power
2	57 (BK)	Ground

C1392

C3239 (BK)
14405
 Fuel pump driver module (94507)

Gasoline

FEMALE

Pin	Circuit	Circuit function
1	2022 (BN/OG)	Fuel pump driver module return
2	866 (WH)	Inertia fuel shut off switch ground
3	57 (BK)	Ground
4	922 (WH/RO)	Fuel pump driver module to fuel pump motor
5	787 (PK/BK)	Fuel pump, Power
6	928 (I BK/OG)	Fuel pump driver module control signal

C3239

C2194 (GY)
14401
 Fuel tank selector switch (9A050)

FEMALE

Pin	Circuit	Circuit function
1	789 (BN/WH)	Fuel tank selector valve +/-
2	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
3	786 (RD)	Switched ground
4	786 (RD)	Fuel tank selector valve +/-
5	57 (BK)	Ground
6	789 (BN/WH)	Fuel tank selector valve +/-

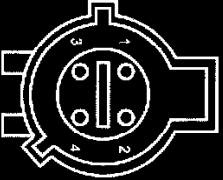
C2194

C4132 (GY)
14405
 Fuel tank selector valve

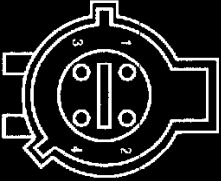
FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	786 (RD)	Fuel tank selector valve +/-
3	789 (BN/WH)	Fuel tank selector valve +/-
4	57 (BK)	Ground
5	57 (BK)	Ground
6	57 (BK)	Ground

C4132

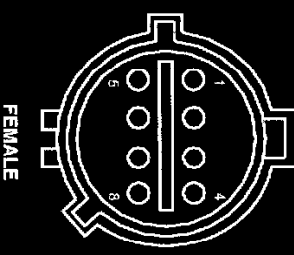
C433 (BK)			Diesel
14405			Fuel tank unit (9H307)
			
			FEMALE
Pin	Circuit	Circuit function	
1	-	not used	
2	29 (YEM/H)	Fuel sender, signal	
3	-	not used	
4	396 (BK/OG)	Fuel sender, return	

C433

C434 (BK)			
14405			Fuel tank unit (9H307)
			
			FEMALE
Pin	Circuit	Circuit function	
1	922 (WH/RD)	Sensor, Power	
2	29 (YEM/H)	Fuel sender (9H307), signal	
3	886 (WH)	Inertia fuel shutoff switch ground	
4	396 (BK/OG)	Fuel sender (9H307), return	

C434

C4033 (BK)
14405
Fuel tank unit
(9F307)



FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	1703 (RD/LG)	Signal return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C368) signal
4	3074 (BK/OG)	Fuel tank pressure transducer sensor, reference voltage
5	29 (YE/WH)	Fuel sender, signal
6	866 (WH)	Inertia Fuel Shutoff (IFS) switch, ground
7	922 (WH/RD)	Fuel pump, Power
8	396 (BK/OG)	Fuel sender, return

C4033

C1035
12A581
Battery Junction
Box (RJB)
(14A067)

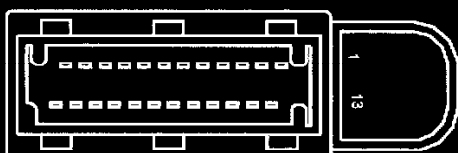


Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1035

C270a (BK)**14401**Control Junction
Box (CJB)
(144007)

* with Remote Keyless Entry

12 24
FEMALE

Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched output
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	-	not used
5	298 (VT/OG)	Voltage in Run (overload protected)
6	-	not used
7	*1306 (PK/WH)	Voltage supplied at all times (overload protected)
8	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
9	-	not used
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	57 (BK)	Ground
12	295 (LB/PK)	Voltage in Run (overload protected)

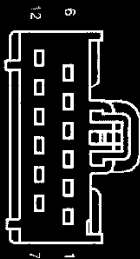
Pin	Circuit	Circuit function
13	12 (LG/BK)	Power, Hot with High Beams on
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Voltage supplied at all times (overload protected)
16	294 (WH/LB)	Voltage in Run (overload protected)
17	275 (YE)	Fog lamp relay, control
18	609 (OG/YE)	Voltage in Run (overload protected)
19	1 (DB)	Horn relay, control
20	296 (WH/VT)	Voltage in Run (overload protected)
21	295 (LB/PK)	Voltage in Run (overload protected)
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Accessory delay relay, switched output
24	-	not used

C270a

C270b (GY)

14401

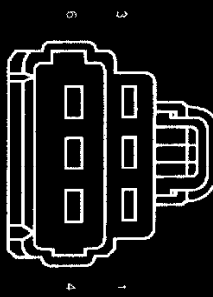
Central Junction
Box (CJB)
(14A067)



FEMALE

Pin	Circuit	Circuit function
1	1792 (PK)	Voltage supplied at all times (overload protected)
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	-	not used
4	-	not used
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied in Start (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	-	not used
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270b

C270c (BK) 14401 Central Junction Box (CJB) (14A067)				
Pin	Circuit	Circuit function		
1	1040 (RD/BK)	Voltage supplied in Run (overload protected)		
2	37 (YE)	Voltage supplied at all times (overload protected)		
3	1050 (LG/NT)	Voltage supplied at all times (overload protected)		
4	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)		
5	687 (GY/YE)	Voltage supplied in Run (overload protected)		
6	964 (DB/LG)	Voltage supplied in Accessory and Run (overload protected)		

C270c

C270d (CV)
14401
 Central Junction
 Box (CJB)
 (144067)

* with Adjustable pedals
 ** with Power sliding window or
 roof opening panel

Pin	Circuit	Circuit function
1	3049 (BK/LG)	Voltage supplied at all times (overload protected)
2	-	not used
3	*1667 (RD/LB)	Voltage supplied at all times (overload protected)
4	-	not used
5	797 (LG/V)	Voltage supplied at all times (overload protected)
6	**400 (LB/BK)	Accessory delay relay, switched output
7	40 (LB/WH)	Voltage supplied at all times (overload protected)
8	19 (LB/RD)	Instrument illumination, feed

C270d

C270e (BK)
14401
 Central Junction
 Box (CJB)
 (144067)

Pin	Circuit	Circuit function
1	50 (RD)	Voltage supplied at all times (overload protected)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected)
4	325 (DB/OG)	Voltage supplied at all times (overload protected)

C270e

C270f (BK)
12A581
Central Junction
Box (CJB)
(14A067)

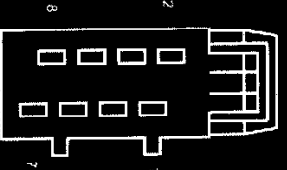


*Diesel
**Gas
***with Under hood lamp

Pin	Circuit	Circuit function
1	-	not used
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	-	not used
5	*57 (BK)	Ground
	**570 (BK/WH)	
6	33 (WH/PK)	Voltage supplied in Start (overload protected)
7	***54 (LG/YE)	Battery saver relay, switched output
8	324 (YE/LG)	Reversing lamps relay, control
9	329 (PK)	Starter relay, control
10	570 (BK/WH)	Ground
	*926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270f

C270g (BK)
12A581
Central Junction
Box (CJB)
(14A067)



Pin	Circuit	Circuit function
1	140 (BK/PK)	Reversing lamps relay, switched output
2	113 (YE/LB)	Starter relay (11450) switched power, output
3	-	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	-	not used
6	49 (OG)	Trailer tow battery charge relay, switched output
7	-	not used
8	-	not used

C270g

C270h (BK)
12A581
Central Junction Box (CJB) (14A067)

FEMALE

*with Fog lamps
**with Diesel, DRL or ESOF

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	*4/78 (TN/OG)	Fog lamp relay, output, to fog lamps
3	14 (BN)	Power, Exterior lamps
4	-	not used
5	361 (RD)	PCM power relay, switched power
6	391 (RD/YE)	PCM power relay, switched power
7	**295 (LB/PK)	Voltage supplied in Run (overload protected)
8	33 (WH/PK)	Voltage supplied in Start (overload protected)
9	6 (YE/LG)	Horn relay, switched power, output
10	-	not used
11	-	not used
12	-	not used

C270h

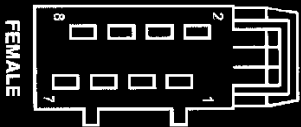
C270j (BK)
14A005
Central Junction Box (CJB) (14A067)

FEMALE

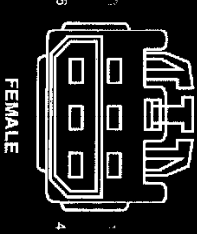
*with Power equipment

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	*956 (OG/LG)	Voltage supplied at all times (overload protected)
4	-	not used
5	-	not used
6	-	not used
7	*59 (DGM/T)	HTD mirror relay, switched output
8	-	not used
9	-	not used
10	*295 (LB/PK)	Voltage supplied in Run (overload protected)
11	*194 (PK)	Accessory delay relay, switched output
12	*14 (BN)	Power, Exterior lamps
13	-	not used
14	*295 (LB/PK)	Voltage supplied in Run (overload protected)
15	962 (BN/W/H)	Trailer tow relay, parking lamp, switched output
16	54 (LG/YE)	Battery saver relay, switched output

C270j

C270k (NA)		
14A303		
Central Junction Box (CJB) (14A067)		
		
FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	1447 (RD)	Voltage supplied at all times (overload protected)
3	-	not used
4	1717 (VT/OG)	Voltage supplied in Start and Run (overload protected)
5	19 (LB/RD)	Instrument illumination, feed
6	1445 (RD/LG)	Voltage supplied at all times (overload protected)
7	1446 (RD/LB)	Voltage supplied at all times (overload protected)
8	1448 (OG/RD)	Voltage supplied at all times (overload protected)

C270k

C270I (GV)		
14A005		
Central Junction Box (CJB) (14A067)		
		
FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	**1153 (RD/BK)	Voltage supplied at all times (overload protected)
4	**51 (BK/WH)	Voltage supplied at all times (overload protected)
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory delay relay, switched output

*with Heated seats
**with Passenger power seats

C270I

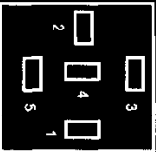
C270p
12A581
Central Junction
Box (CJB)
(14A087)



Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C270p

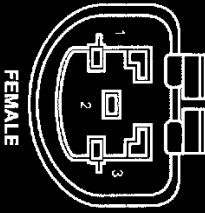
C2047
14401
Indicator
flasher relay
(13350)



Pin	Circuit	Circuit function
1	44 (LB)	Indicator flasher relay (13350), Turn signal, output
2	295 (LB/PK)	Voltage supplied in run (overload protected)
3	10 (LG/RD)	Voltage supplied at all times (overload protected)
4	385 (WH/RD)	Indicator flasher relay (13350), Hazard, output
5	57 (BK)	Ground

C2047

C1041 (GV)
12A581
Headlamp, right (13008)

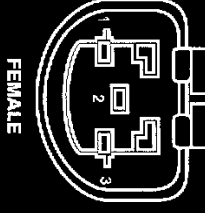


FEMALE

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1041

C1021 (GV)
12A581
Headlamp, left (13008)



FEMALE

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1021

C1284 (GY)

12A581

13A006

Headlamp, left (13008)
(sealed beam)

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	12 (LG/BK)	Power, Hot with High Beams on
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1284

C1285 (GY)

12A581

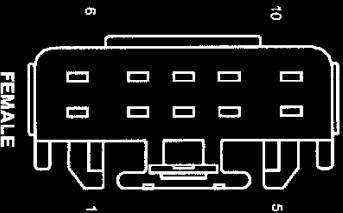
13A006

Headlamp, right
(13008) (sealed beam)

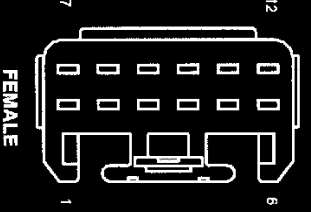
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	12 (LG/BK)	Power, Hot with High Beams on
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1285

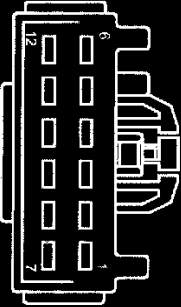
C202a (GY) 14401 Multifunction switch		
		
Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Indicator flasher relay (13350), turn signal output
3	385 (WH/RD)	Indicator flasher relay (13350), hazard, output
4	-	not used
5	-	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	-	not used

C202a

C202b (GY) 14401 Multifunction switch		
		
Pin	Circuit	Circuit function
1	63 (RD)	Front wiper switch circuit A
2	56 (DB/OG)	Front wiper switch circuit C
3	58 (WH)	Front wiper switch circuit B
4	61 (YE/RD)	Front wiper switch circuit H
5	589 (OG)	Front washer switch circuit W
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	-	not used
12	-	not used

C202b

C205a (GY)
14401
 Main light switch
 (11654)

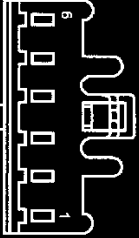


with auto lamps
 with fog lamps

Pin	Circuit	Circuit function
1	-	not used
2	**14 (BN)	Power, exterior lamps
3	-	not used
4	-	not used
5	**275 (YE)	Fog lamp relay, feed
6	**57 (BK)	Ground
7	*1399 (DB/WH)	Voltage supplied with autolamps on
8	196 (DB/OG)	Voltage supplied at all times (overload protected)
9	15 (RD/YE)	Power, Hd with Headlamps on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	-	not used
12	14 (BN)	Power, exterior lamps

C205a

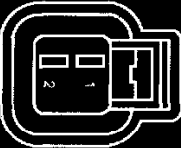
C205b (BK)
14401
 Main light switch
 (11654)



Pin	Circuit	Circuit function
1	19 (LB/RD)	Instrument illumination, feed
2	402 (OG/LG)	Interior lamps control
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	14 (BN)	Power, Exterior lamps

C205b

C131 (BK)
12A581
Horn (13832)



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	6 (YELG)	Horn relay, switched power, output

C131

C111 (BK)
12B637
Coil On Plug (COP) 1 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1024 (LG/WH)	Coil On Plug (COP) 1 control

C111

C112 (BK)
12B637
Coil On Plug (COP) 2 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1026 (PK/WH)	Coil On Plug (COP) 2 control

C112

C113 (BK)
12B637
Coil On Plug (COP) 3 (12A366)

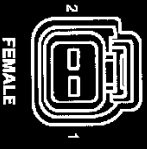


FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1028 (WH/PK)	Coil On Plug (COP) 3 control

C113

C114 (BK)
12B637
 Coil On Plug (COP) 4 (12A386)

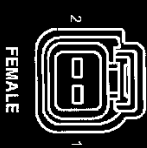


FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1030 (DGNV)	Coil On Plug (COP) 4 control

C114

C115 (BK)
12B637
 Coil On Plug (COP) 5 (12A386)



FEMALE

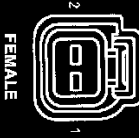
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1021 (LG/YE)	Coil On Plug (COP) 5 control

C115

C116 (BK)

12B637

Coil On Plug (COP) 6 (12A366)



FEMALE

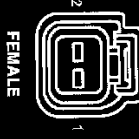
Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1025 (OG/YE)	Coil On Plug (COP) 6 control

C116

C117 (BK)

12B637

Coil On Plug (COP) 7 (12A366)

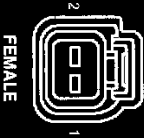


FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1027 (PK/LB)	Coil On Plug (COP) 7 control

C117

C118 (BK)
12B637
 Coil On Plug (COP) 8 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1029 (WH/RD)	Coil On Plug (COP) 8 control

C118

C1206 (BK)
12B637
 Coil On Plug (COP) 9 (12A366)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1141 (YE/BK)	Switched ground

C1206

C1207 (BK)
12B637
 Coil On Plug (COP) 12 (12A365)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1142 (WH/RD)	Switched ground

C1207

C174 (GY)
12B637
 Ignition transformer capacitor 1 (1880)



FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C174

C194 (GY)
12B637
Ignition transformer
capacitor 2 (18901)

FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)

C194

C250 (GY)
14401
Ignition Switch

FEMALE

Pin	Circuit	Circuit function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	325 (DB/OG)	Voltage supplied at all times (overload protected)
3	964 (DB/LG)	Voltage supplied in Accessory or Run (overload protected)
4	-	not used
5	1522 (DG)	Voltage supplied in Start (overload protected)
6	-	not used
7	37 (YE)	Voltage supplied at all times (overload protected)
8	667 (GY/YE)	Voltage supplied in Run (overload protected)
9	1060 (LGN/T)	Voltage supplied at all times (overload protected)
10	-	not used
11	-	not used
12	37 (YE)	Voltage supplied at all times (overload protected)
13	1040 (RD/BK)	Voltage supplied in Run (overload protected)

C250

C2207 (GV)

14401

Inertia Fuel
Switch (IFS)
(3D362)



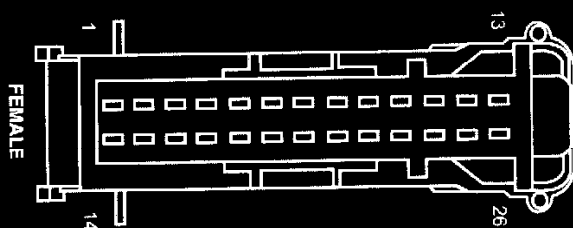
FEMALE

Pin	Circuit	Circuit function
1	787 (PK/BK)	Fuel pump, Power
2	238 (DG/YE)	Fuel pump relay, switched power, output
3	-	not used

C2207

C220a (BK)**14401**

Instrument Cluster



*with message center

**with compass

***with dual tanks

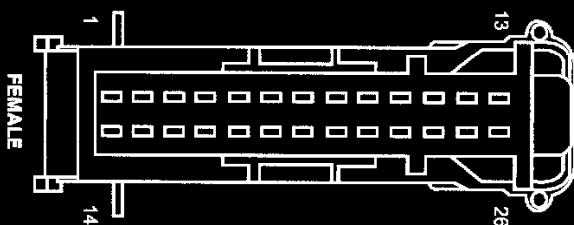
Pin	Circuit	Circuit function
1	3 (LG/WH)	Turn lamps, feed, left front
2	12 (LG/BK)	Power, not with high beams on
3	2 (WH/LB)	Turn lamps, feed, right front
4	-	not used
5	***789 (BN/WH)	Fuel tank selector valve +/-
6	1083 (LB/PK)	Air bag, tone driver
7	-	not used
8	-	not used
9	-	not used
10	57 (BK)	Ground
11	-	not used
12	19 (LB/RD)	Instrument illumination, feed
13	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)

Pin	Circuit	Circuit function
14	608 (BK/YE)	Air bag indicator, control
15	904 (LG/RD)	Generator/Battery indicator, control
16	-	not used
17	-	not used
18	**703 (WH/OG)	Compass data -
19	**702 (WH/BK)	Compass data +
20	*1411 (GY/OG)	Message center switch input
21	*143 (LB/YE)	Message center switch, power
22	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
23	-	not used
24	158 (BK/PK)	Key warning switch (11A127), input
25	54 (LG/YE)	Battery saver relay, switched output
26	705 (LG/OG)	Voltage supplied at all times (overload protected)

C220a

C220b (BL)**14401**

Instrument Cluster

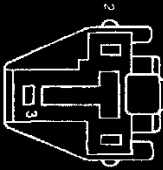


* with RKE
 ** Diesel with dual tanks

Pin	Circuit	Circuit function
1	531 (DG/YE)	Brake fluid level switch (2L414), signal
2	-	not used
3	85 (BN/LB)	Safety belt buckle switch (10B924), input
4	1332 (LB)	Accessory delay relay, control
5	-	not used
6	1909 (BK)	High speed CAN -
7	1908 (WH)	High speed CAN +
8	396 (BK/OG)	Fuel sender, return
9	**675 (YE/LB)	Reference voltage
10	29 (YE/WH)	Fuel pump/fuel gauge, signal
11	693 (OG)	UBP Diagnostics
12	676 (PK/OG)	Ground
13	785 (BK/LG)	Voltage supplied at all times (overload protected)

Pin	Circuit	Circuit function
14	512 (TN/LG)	Brake fluid level switch (2L414), return
15	1308 (BN/OG)	Engine oil pressure indicator, control
16	-	not used
17	142 (LB/RD)	Air filter sensor signal, input - Diesel only
18	162 (LG/RD)	Parking brake switch, input
19	3049 (BK/LG)	Voltage supplied at all times (overload protected)
20	-	not used
21	210 (LB)	Four-wheel drive High indicator, control
22	975 (BN/YE)	Four-wheel drive Low indicator, control
23	760 (PK/LB)	* Door ajar switch, right rear, signal Door ajar switch, right front, right rear, left rear, signal
24	759 (LG/YE)	* Door ajar switch, left rear, signal Door ajar switch, left front, signal
25	402 (OG/LG)	Interior lamps control
26	53 (BK/LB)	Interior lamps relay, switched output

C220b

C2031 (TN)		
14401		
Cigar lighter, (15555)		
		
FEMALE		
Pin	Circuit	Circuit function
1	40 (LB/WH)	Voltage supplied at all times (overload protected)
2	-	not used
3	57 (BK)	Ground

C2031

C526 (BK)		
14A005		
Door ajar switch, driver side front (14016)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*765 (YE/BK)	Door ajar switch, left front, signal
	**759 (LG/YE)	Door ajar switch, left front, signal

* with remote keyless entry
** without remote keyless entry

C526

C602 (BK)

14A005

Door ajar switch, passenger side front (14018)

* with remote keyless entry

** without remote keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**761 (GY/RD)	Door ajar switch, right front, signal
	**760 (PK/LB)	Door ajar switch, right front, right rear, left rear, signal

C602

C715 (BK)

14A005

Door ajar switch, driver side rear (14018)

* with remote keyless entry

** without remote keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*759 (LG/YE)	Door ajar switch, left rear, signal
	**760 (PK/LB)	Door ajar switch, right front, right rear, left rear, signal

C715

C820 (BK)
14A005
 Door ajar switch
 passenger side
 rear (1401B)

* with remote
 keyless entry

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	*760 (PK/LB) 760 (PK/LB)	Door ajar switch, right rear, signal Door ajar switch, right rear, left rear, signal

C820

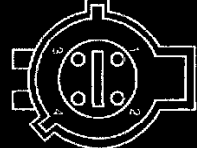
C265 (GY)
14401
 Message Center Switch

FEMALE

Pin	Circuit	Circuit function
1	19 (LB/RD)	Instrument illumination, feed
2	143 (LB/YE)	Message center switch, power
3	1411 (GY/OG)	Message center switch input
4	57 (BK)	Ground
5	-	not used
6	-	not used

C265

C3094 (BK)
14405
Fuel
sender
primary

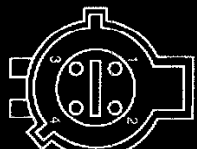


FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	675 (YE/LB)	Reference voltage
3	-	not used
4	396 (BK/OG)	Fuel sender, return

C3094

C3095 (BK)
14405
Fuel
sender
secondary



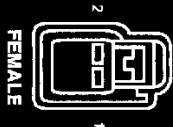
FEMALE

Pin	Circuit	Circuit function
1	-	not used
2	29 (YE/WH)	Reference voltage
3	-	not used
4	396 (BK/OG)	Fuel sender, return

C3095

C1080 (BK)
9F759

Water-
In-
Fuel
sensor

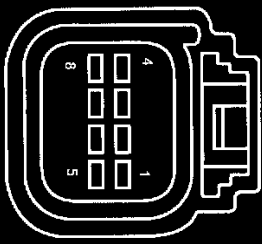


Pin	Circuit	Circuit function
1	643 (RD)	Reference voltage
2	359 (GY/RD)	Signal return

C1080

C500 (BK)
14A631

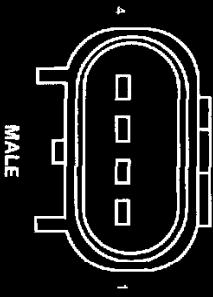
Key pad
switch
assembly



Pin	Circuit	Circuit function
1	78 (LB/YE)	Key pad switch, Circuit A, output
2	1013 (BN/LG)	Illumination
3	79 (LG/RD)	Key pad switch, Circuit B, output
4	-	not used
5	57 (BK)	Ground
6	124 (BN)	Key pad switch, common
7	121 (YE/BK)	Key pad switch, Circuit C, output
8	-	not used

C500

C1447 (BK)
12B637
Dual knock sensor

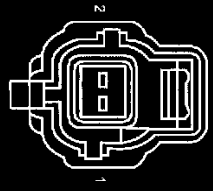


Circuit function

Pin	Circuit	Circuit function
1	310 (YE/RED)	Knock sensor #1, signal +
2	1273 (YE)	Knock sensor #1, signal -
3	311 (DGM/T)	Knock sensor #2, signal +
4	1274 (DGM/W)	Knock sensor #2, signal -

C1447

C450 (BK)
14405
EVAP canister vent control solenoid



Circuit function

Pin	Circuit	Circuit function
1	1683 (DG)	Voltage supplied at all times (overload protected)
2	91 (VT/W)	EVAP canister vent control solenoid, control

C450

C452 (WH)
13412
License plate
lamp, left



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, exterior lamps

C452

C462 (WH)
13412
License
plate lamp,
right



Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C462

C2160
12A581
 PCM power relay

FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	-	Ground
86	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
87	-	PCM power relay, switched power, output
87A	-	not used

C2160

C1087 (Bx)
12A581
 Manifold Absolute Pressure (MAP) sensor

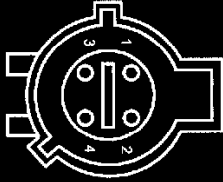
FEMALE

Pin	Circuit	Circuit function
1	351 (BN/WH)	Reference voltage
2	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to Powertrain Control Module (PCM) (12A050)
3	359 (GY/RD)	Signal return

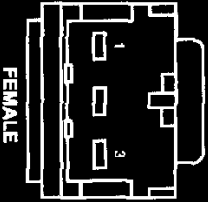
C1087

C1127 (BK) 12A581 Side lamp, left front (13411)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

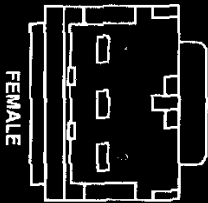
C1127

C438 (BK) 14405 13A409 Rear marker lamp assembly		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps
4	-	not used

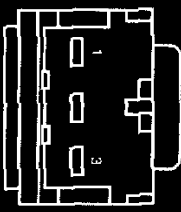
C438

C970 (BK)		
15A404		
17C712		
Roof marker lamp, left		
		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C970

C971 (BK)		
15A404		
17C712		
Roof marker lamp, left center		
		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C971

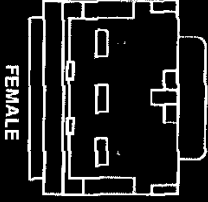
C972 (BK)		
15A404		
17C712		
Roof marker lamp, center		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C972

C973 (BK)		
15A404		
17C712		
Roof marker lamp, right center		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C973

C974 (BK)
15A404
17C712
 Roof
 marker
 lamp, right

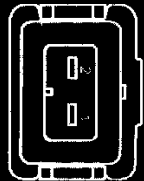


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	-	not used
3	14 (BN)	Power, Exterior lamps

C974

C4094 (BK)
13A409
 Side lamp 1,
 LH rear

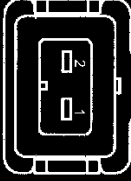


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4094

C4096 (BK)
13A409
 Side lamp 1,
 RH rear

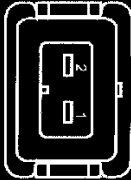


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4096

C4095 (BK)
13A409
 Side
 lamp 2,
 LH rear

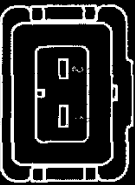


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4095

C4097 (BK)
13A409
Side lamp 2,
RH rear



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps

C4097

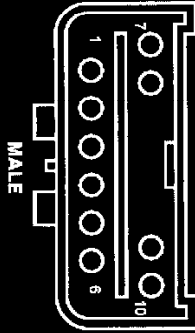
C911 (BK)
17C712
Electrochromatic
inside mirror unit
(V700)



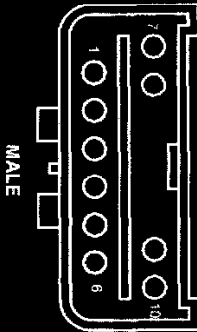
FEMALE

Pin	Circuit	Circuit function
1	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	57 (BK)	Ground
3	140 (BK/PK)	Reversing lamps relay, switched output
4	-	not used
5	-	not used
6	-	not used
7	-	not used

C911

C521 (GV)**14A005**Exterior rear
view mirror,
driver side
(17682)

Pin	Circuit	Circuit function
1	540 (RD)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	541 (DB)	Up/Down mirror movement
4	3 (LG/W-H)	Turn lamps, feed, left front
5	57 (BK)	Defrost , Turn signal, Ground
6	59 (DG/VT)	HTD mirror relay, switched output
7	14 (BN)	Power, Exterior lamps
8	-	not used
9	-	not used
10	-	not used

C521**C601 (GV)****14A005**Exterior rear
view mirror,
passenger side
(17683)

Pin	Circuit	Circuit function
1	543 (DG)	Right/Left mirror movement
2	542 (YE)	Mirror motor, feed
3	544 (VT)	Up/Down mirror movement
4	2 (WH/LB)	Turn lamps, feed, right front
5	57 (BK)	Defrost , Turn signal, Ground
6	59 (DG/VT)	HTD mirror relay, switched output
7	14 (BN)	Power, Exterior lamps
8	-	not used
9	-	not used
10	-	not used

C601

C527 (WH)
14A005
 Exterior Rear
 View Mirror
 Switch
 (1788/8)

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	544 (VT)	Up/Down mirror movement
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	-	not used
5	541 (DB)	Up/Down mirror movement
6	542 (YE)	Mirror motor, common
7	543 (DG)	Right/Left mirror movement
8	540 (RD)	Right/Left mirror movement

C527

C110 (BK)
12A581

FEMALE

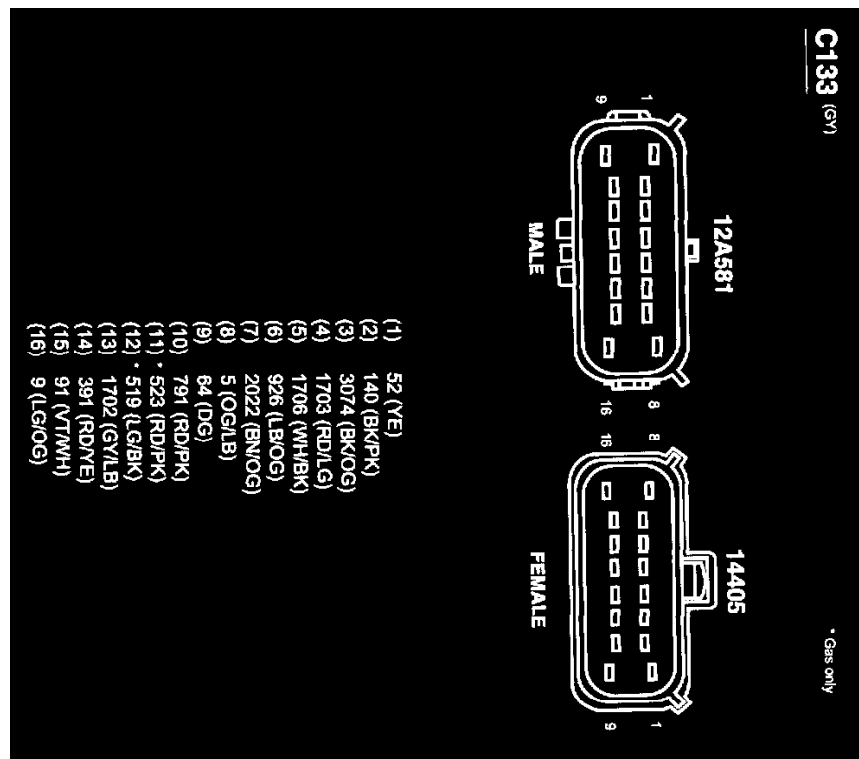
(1) 16 (RD/LG) (7) -
 (2) - (8) -
 (3) 391 (RD/YE) (9) -
 (4) 361 (RD) (10) -
 (5) - (11) 1308 (BN/OG)
 (6) - (12) 570 (BK/WH)

12B637

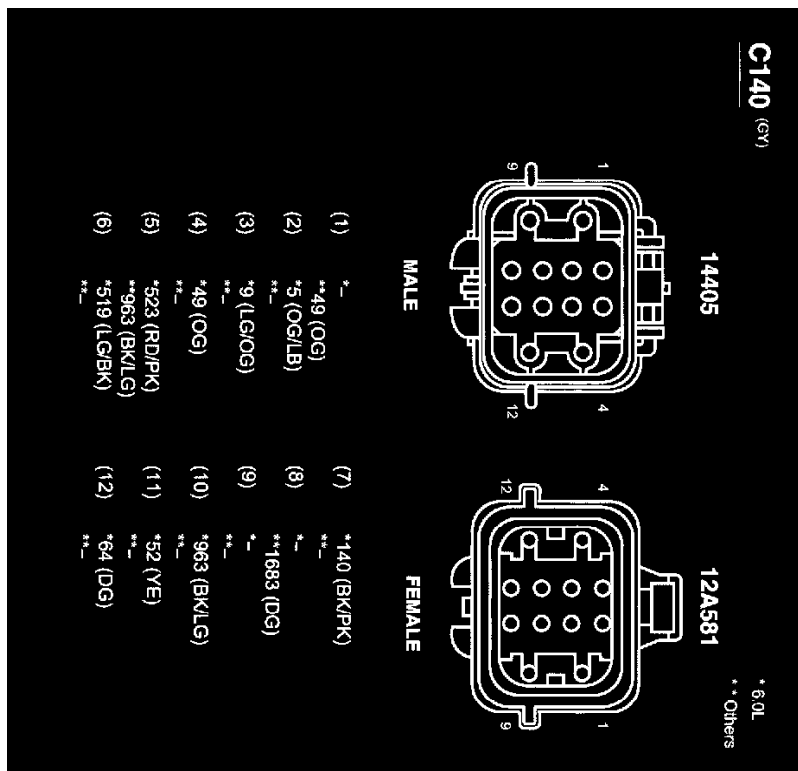
MALE

(1) 16 (RD/LG) (7) -
 (2) 57 (BK) (8) -
 (3) 391 (RD/YE) (9) -
 (4) 361 (RD) (10) 57 (BK)
 (5) - (11) 1308 (BN/OG)
 (6) - (12) 570 (BK/WH)

C110



C133



C140

C145 (GY)

- * 6.0L
- ** others
- *** without daytime running lamps
- **** with manual transmission diesel
- + with EATC

14401

MALE

12A581

FEMALE

(1) 16 (RD/LG)	(18) 3011 (BK/OG)	(1) 16 (RD/LG)	(18) 3011 (BK/OG)
(2) 787 (PK/BK)	(19) 3835 (YE/WH)	(2) 787 (PK/BK)	(19) 3835 (YE/WH)
(3) 15 (RD/YE)	(20) 9 (LG/OG)	(3) 15 (RD/YE)	(20) 9 (LG/OG)
(4) 1040 (RD/BK)	(21) 5 (OG/LB)	(4) 1040 (RD/BK)	(21) 5 (OG/LB)
(5) 142 (LB/RD)	(22) 640 (RD/YE)	(5) 142 (LB/RD)	(22) 640 (RD/YE)
(6) 13 (RD/BK)	(23) 640 (RD/YE)	(6) 13 (RD/BK)	(23) 640 (RD/YE)
(7) 463 (RD/WH)	(24) 1033 (RD/YE)	(7) 463 (RD/WH)	(24) 1033 (RD/YE)
(8) 1002 (BK/PK)	(25) 1886 (GY)	(8) 1002 (BK/PK)	(25) 1886 (GY)
(9) 3014 (BK/WH)	(26) 140 (BK/PK)	(9) 3014 (BK/WH)	(26) 140 (BK/PK)
(10) 3010 (TN)	(27) 1308 (BN/OG)	(10) 3010 (TN)	(27) 1308 (BN/OG)
(11) 356 (DB/LG)	(28) 296 (WH/VT)	(11) 356 (DB/LG)	(28) 296 (WH/VT)
(12) 3061 (LB/OG)	(29) 3012 (WH)	(12) 3061 (LB/OG)	(29) 3012 (WH)
(13) 133 (BK)	(30) 3013 (GY/BK)	(13) 133 (BK)	(30) 3013 (GY/BK)
(14) 3015 (WH/RD)	(31) 470 (PK/BK)	(14) 3015 (WH/RD)	(31) 470 (PK/BK)
(15) 133 (BK)	(32) 3013 (GY/BK)	(15) 133 (BK)	(32) 3013 (GY/BK)
(16) 3015 (WH/RD)	(33) 470 (PK/BK)	(16) 3015 (WH/RD)	(33) 470 (PK/BK)
(17) 133 (BK)	(34) 470 (PK/BK)	(17) 133 (BK)	(34) 470 (PK/BK)

C145

C146 (BK)

* without daytime running lamps
** with ESOF

14401

MALE

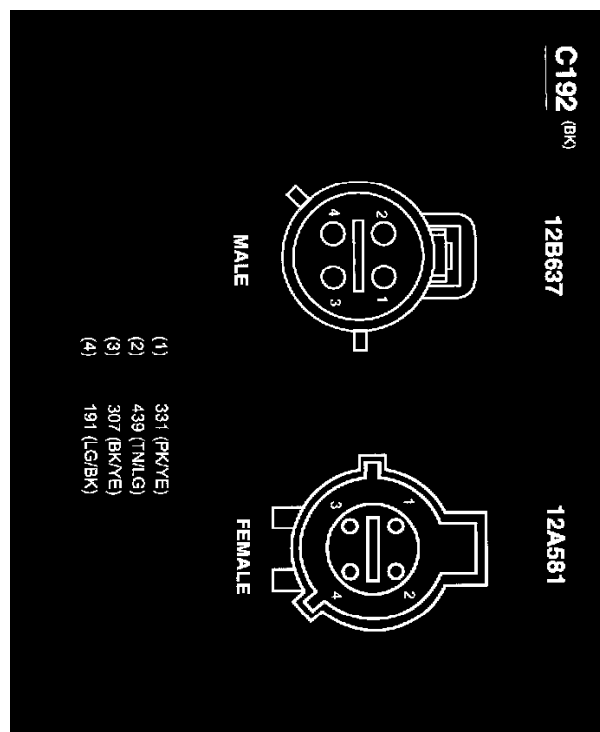
(1) -	(18) 810 (RD/LG)
(2) 752 (YE/RD)	(19) 58 (WH)
(3) 754 (LG/WH)	(20) 107 (VT)
(4) -	(21) 904 (LG/RD)
(5) -	(22) 679 (GY/BK)
(6) -	(23) 151 (LB/BK)
(7) 570 (BK/WH)	(24) 399 (BN/YE)
(8) 261 (OG/BK)	(25) 676 (PK/OG)
(9) 61 (YE/RD)	(26) 512 (TN/LG)
(10) **605 (RD)	(27) 531 (DG/YE)
(11) **145 (GY/BK)	(28) -
(12) -	(29) 3 (LG/WH)
(13) 56 (DB/OG)	(30) 2 (WH/LB)
(14) 210 (LB)	(31) 63 (RD)
(15) 589 (OG)	(32) 975 (BN/YE)
(16) 224 (TN/WH)	(33) 1908 (WH)
(17) 348 (VT)	(34) 1909 (BK)

12A581

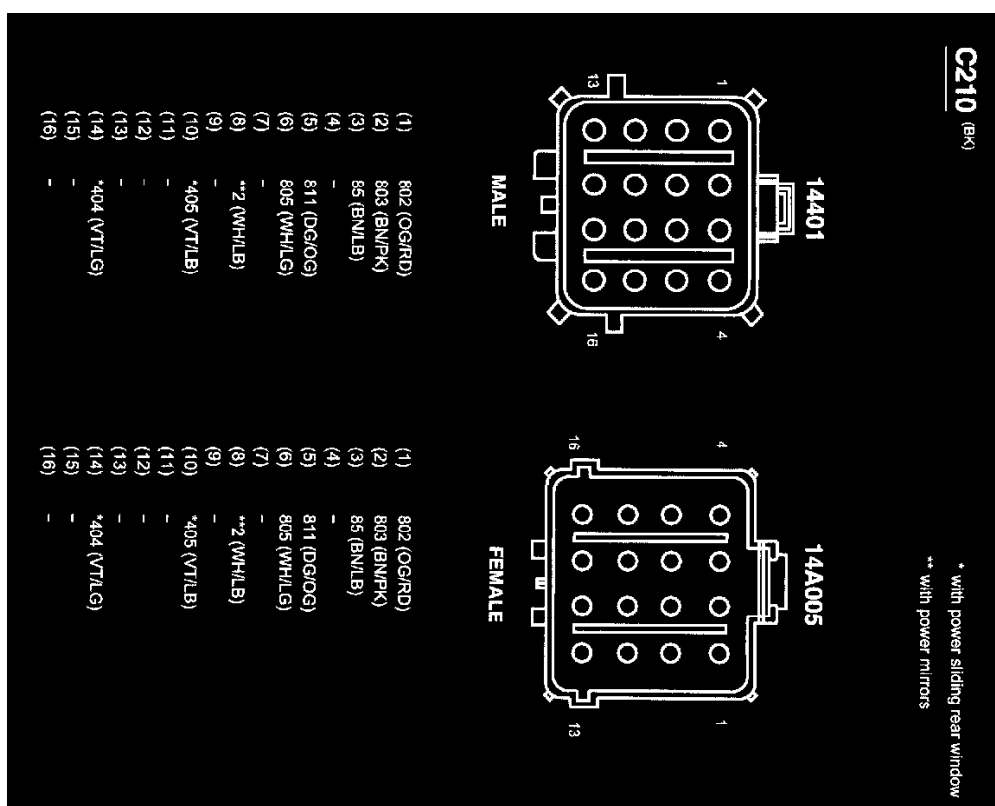
FEMALE

(1) -	(18) 810 (RD/LG)
(2) 752 (YE/RD)	(19) 58 (WH)
(3) 754 (LG/WH)	(20) 107 (VT)
(4) -	(21) 904 (LG/RD)
(5) -	(22) 679 (GY/BK)
(6) -	(23) 151 (LB/BK)
(7) 570 (BK/WH)	(24) 399 (BN/YE)
(8) 261 (OG/BK)	(25) 676 (PK/OG)
(9) 61 (YE/RD)	(26) 512 (TN/LG)
(10) **605 (RD)	(27) 531 (DG/YE)
(11) **145 (GY/BK)	(28) -
(12) -	(29) 3 (LG/WH)
(13) 56 (DB/OG)	(30) 2 (WH/LB)
(14) 210 (LB)	(31) 63 (RD)
(15) 589 (OG)	(32) 975 (BN/YE)
(16) 224 (TN/WH)	(33) 1908 (WH)
(17) 348 (VT)	(34) 1909 (BK)

C146



C192



C210

C211 (BK)

14401

MALE

14405

FEMALE

* with auxiliary fuel tank
** with rear parking aid

(1)	43 (DB)
(2)	14 (BN)
(3)	53 (BK/LB)
(4)	**786 (RD)
(5)	29 (YE/WH)
(6)	511 (LG)
(7)	**789 (BN/WH)
(8)	396 (BK/OG)
(9)	797 (PK/BK)
(10)	43 (DB)
(11)	*675 (YE/LB)
(12)	**1439 (BN/PK)
(13)	-
(14)	**1440 (DG/YE)
(15)	-
(16)	**1441 (WH/LG)
(17)	-
(18)	**1442 (DG/WH)
(19)	-
(20)	**1443 (WH/LB)
(21)	-
(22)	**1444 (DB/YE)
(23)	-
(24)	962 (BN/WH)

C211

C213 (GN)

14A005

FEMALE

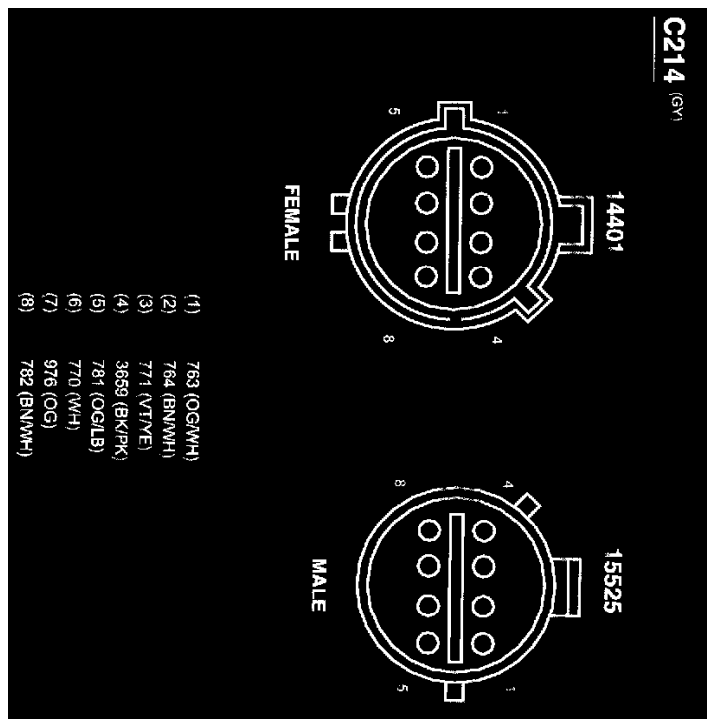
14401

MALE

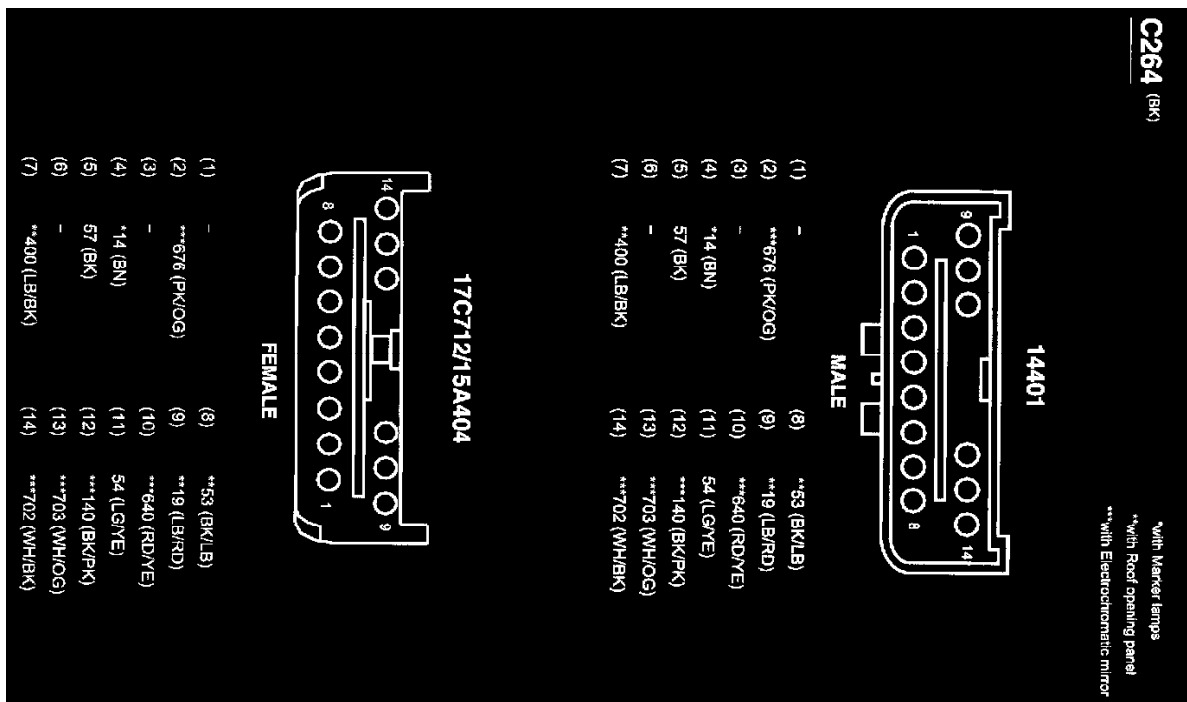
* with power mirrors
** without RKE
*** only with RKE

(1)	162 (LG/RD)	(11)	813 (LB/WH)
(2)	801 (TN/YE)	(12)	***1 (DB)
(3)	53 (BK/LB)	(13)	-
(4)	511 (LG)	(14)	-
(5)	*3 (LG/WH)	(15)	***1306 (PK/WH)
(6)	800 (GY/LB)	(16)	***195 (TN/WH)
(7)	**759 (LG/YE)	(17)	804 (OG/LG)
(8)	**760 (PK/LB)	(18)	***1104 (LB)
(9)	-	(19)	-
(10)	962 (BN/WH)	(20)	**693 (OG)

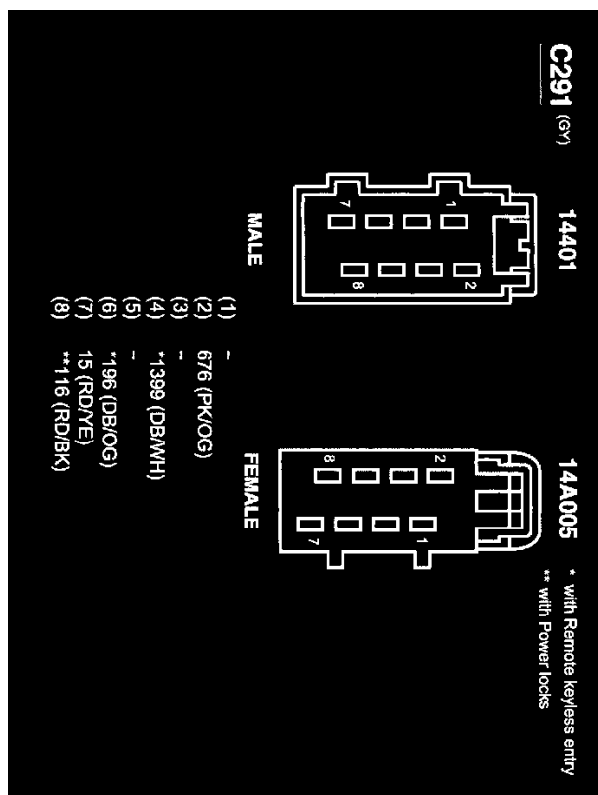
C213



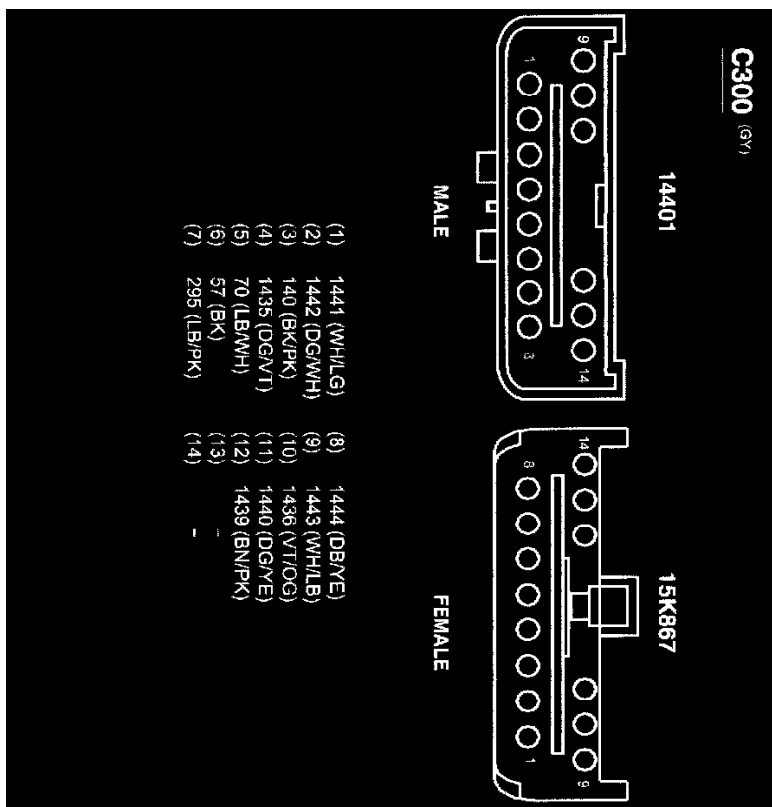
C214



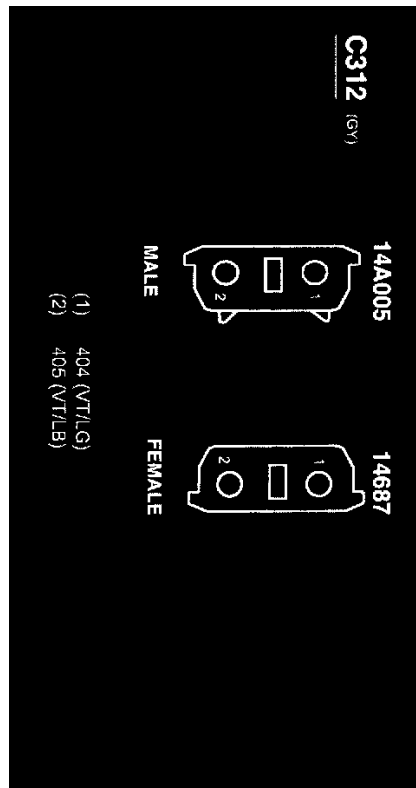
C264



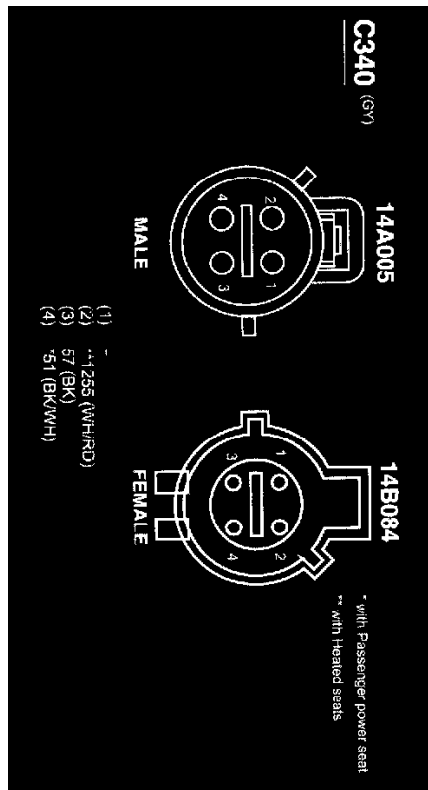
C291



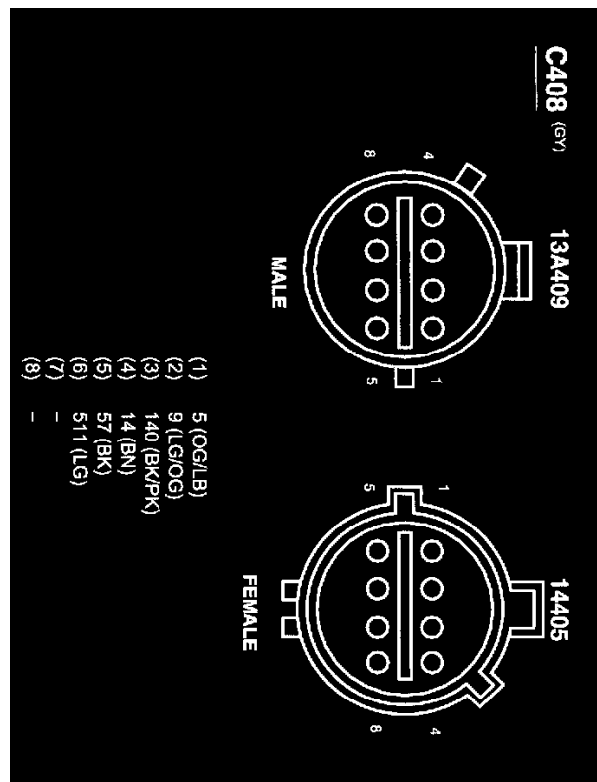
C300



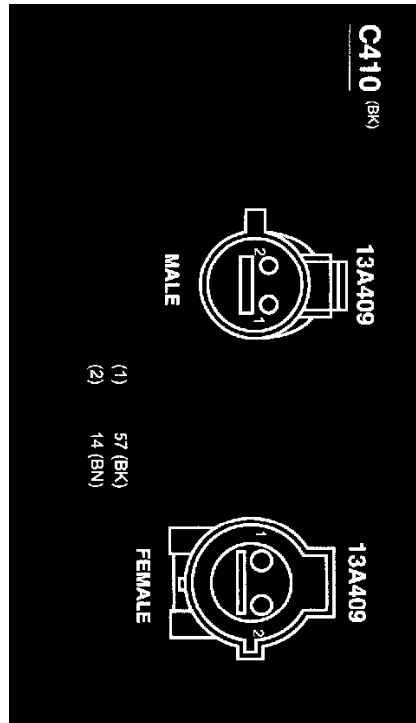
C312



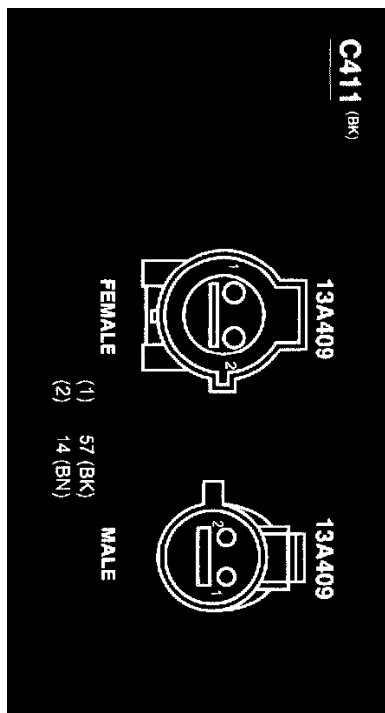
C340



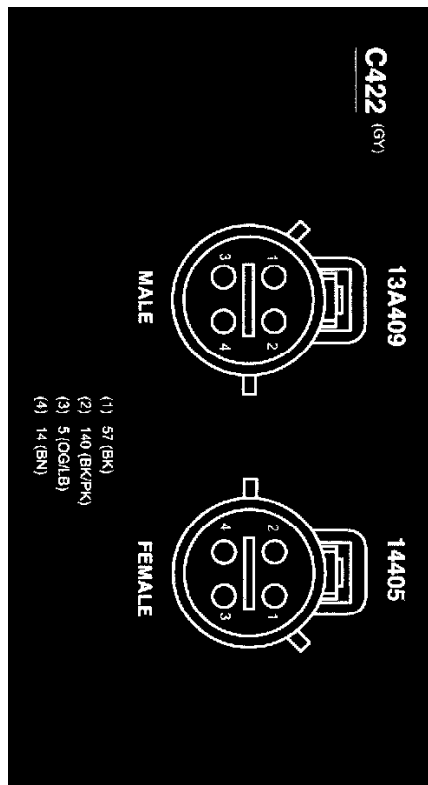
C408



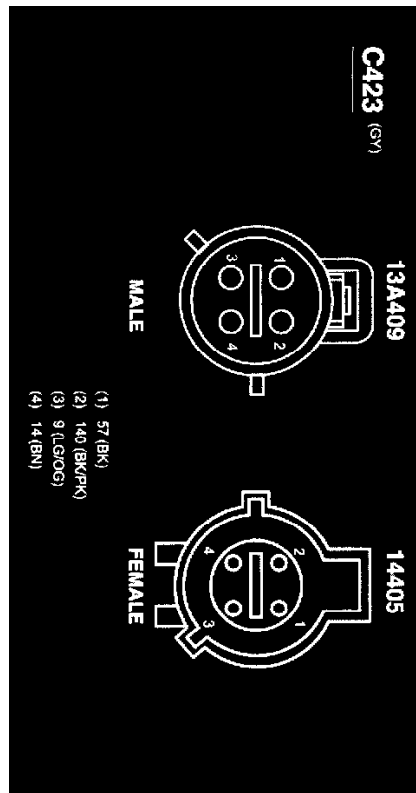
C410



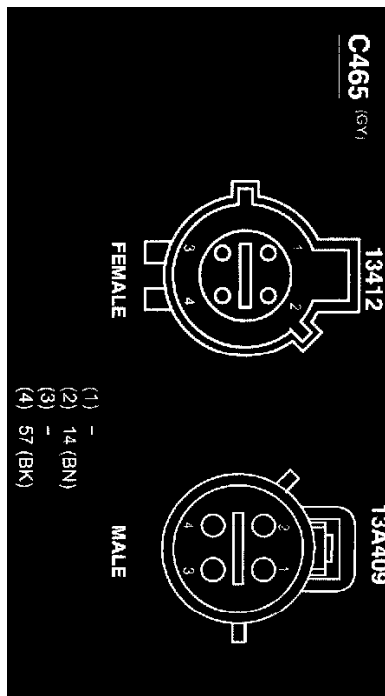
C411



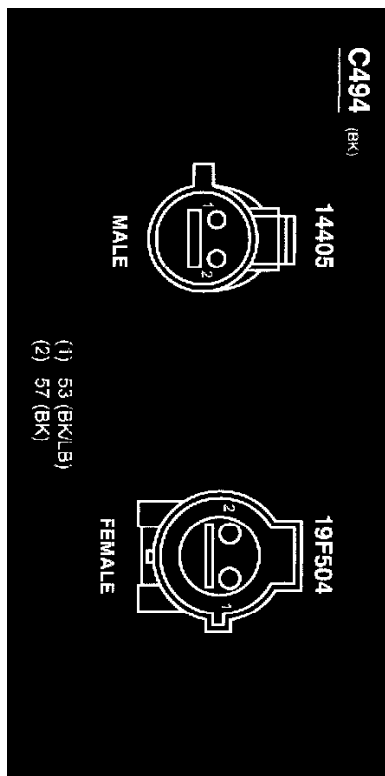
C422



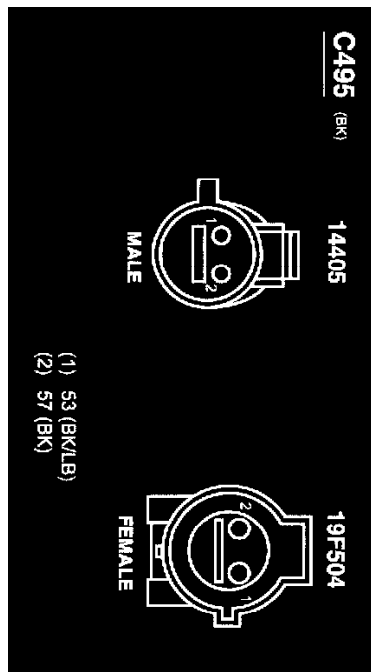
C423



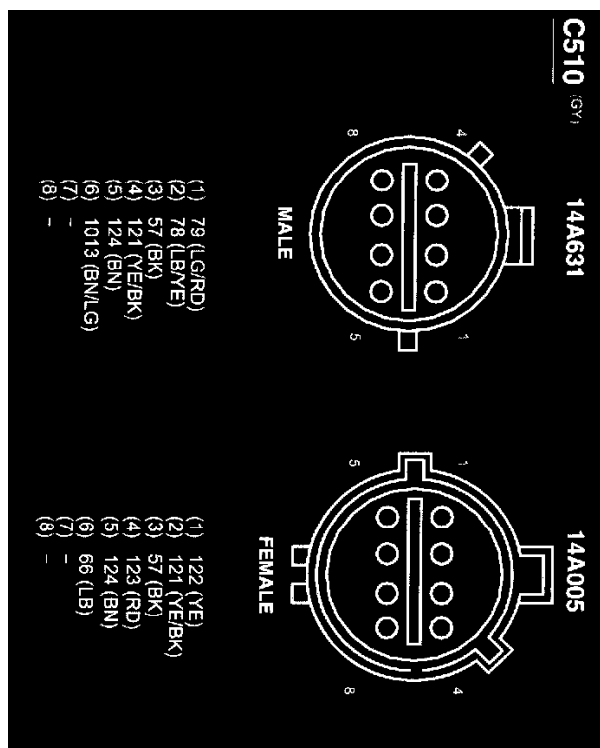
C465



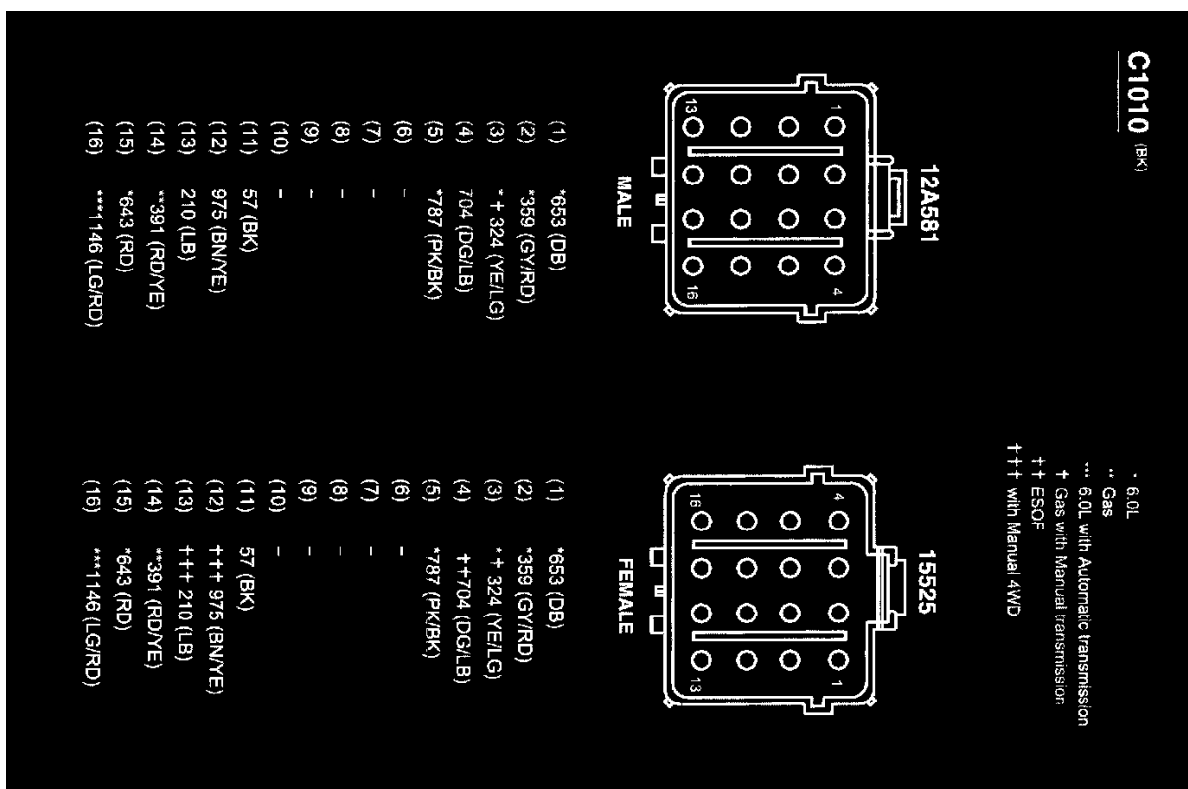
C494



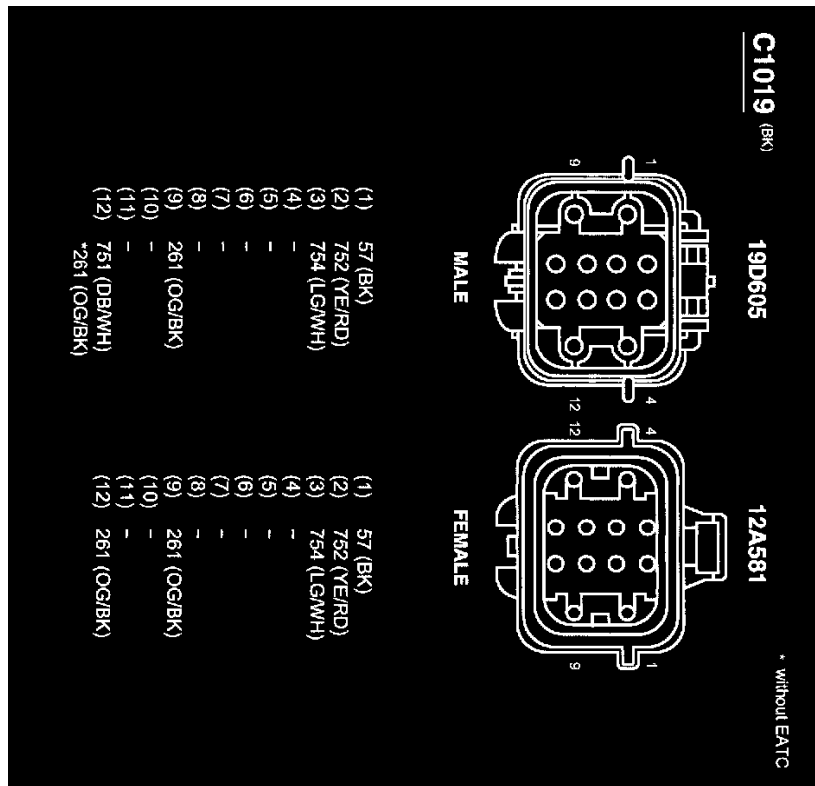
C495



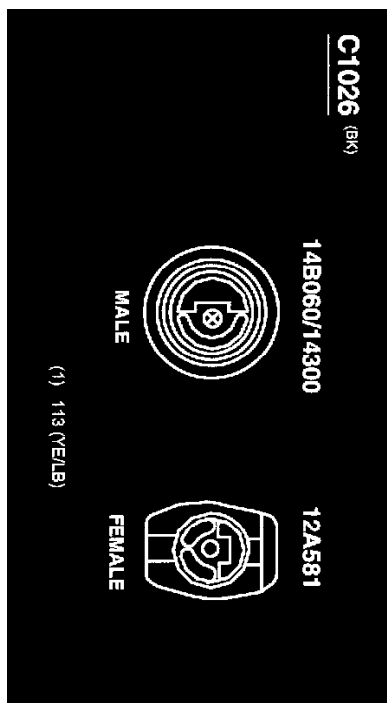
C510



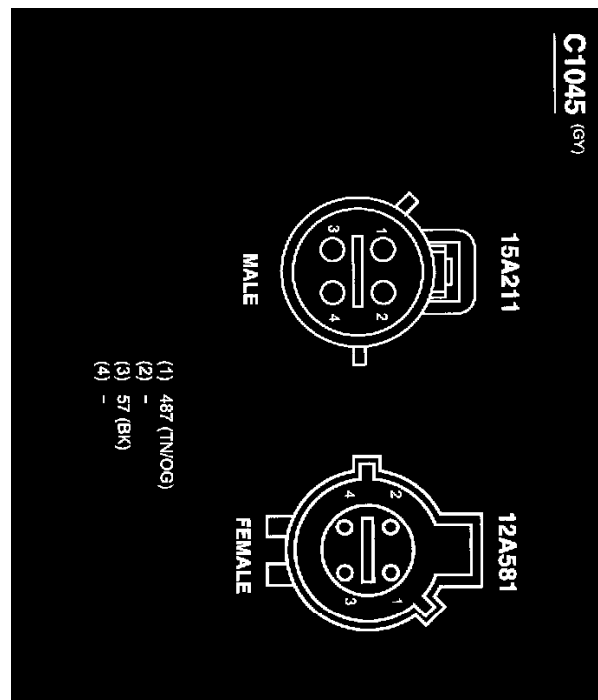
C1010



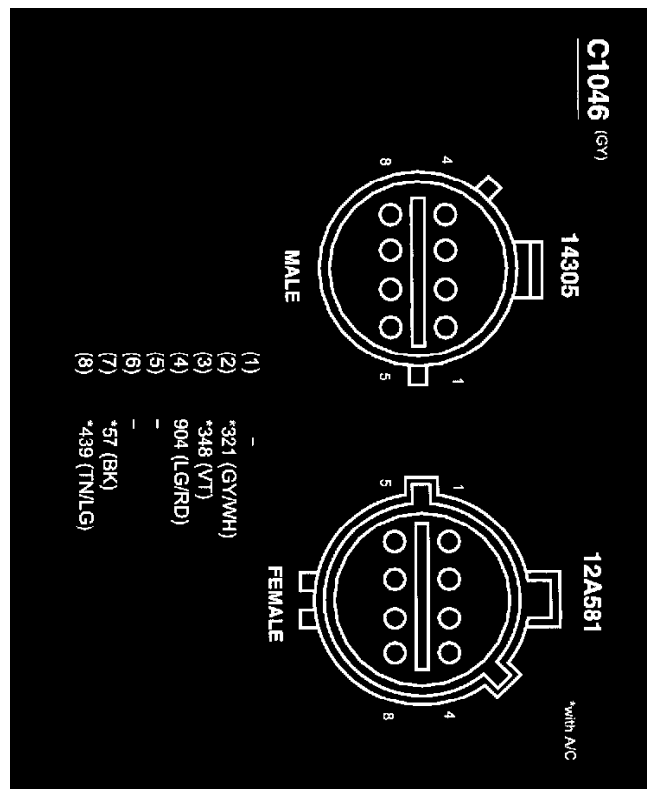
C1019



C1026



C1045



C1046

C1126 (BK)
12A581

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps

C1126

C1147 (BK)
12A581

MALE

14K073

FEMALE

(1) 3061 (LB/G)

(2) -

(3) 470 (PK/BK)

(4) -

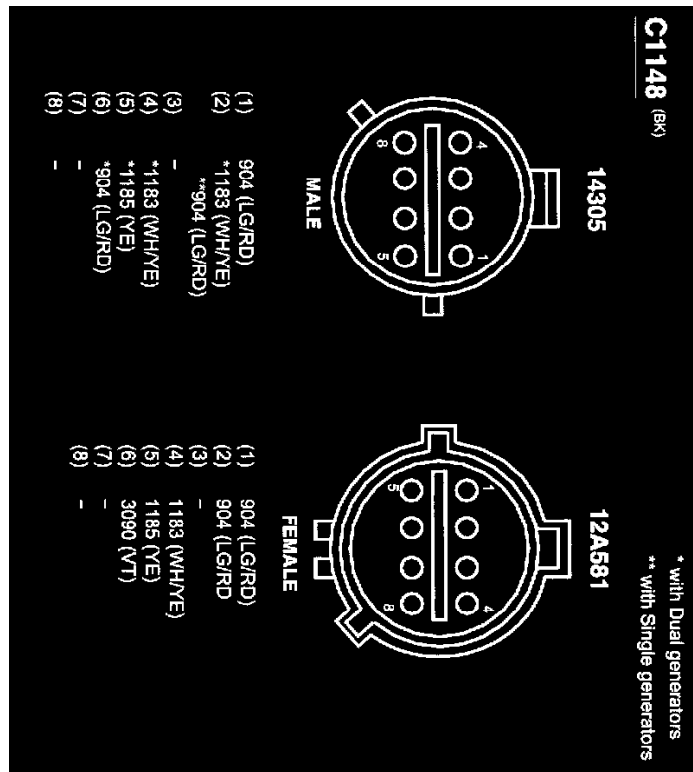
(1) 3061 (LB/G)

(2) -

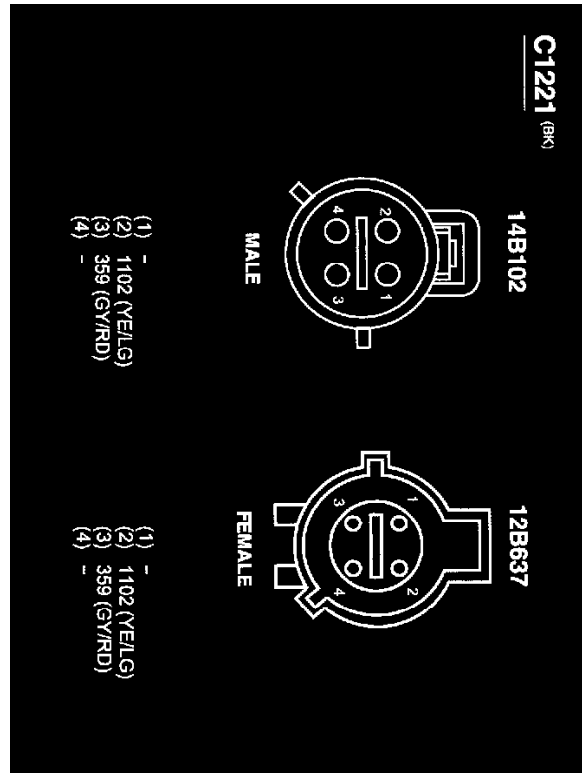
(3) 470 (PK/BK)

(4) -

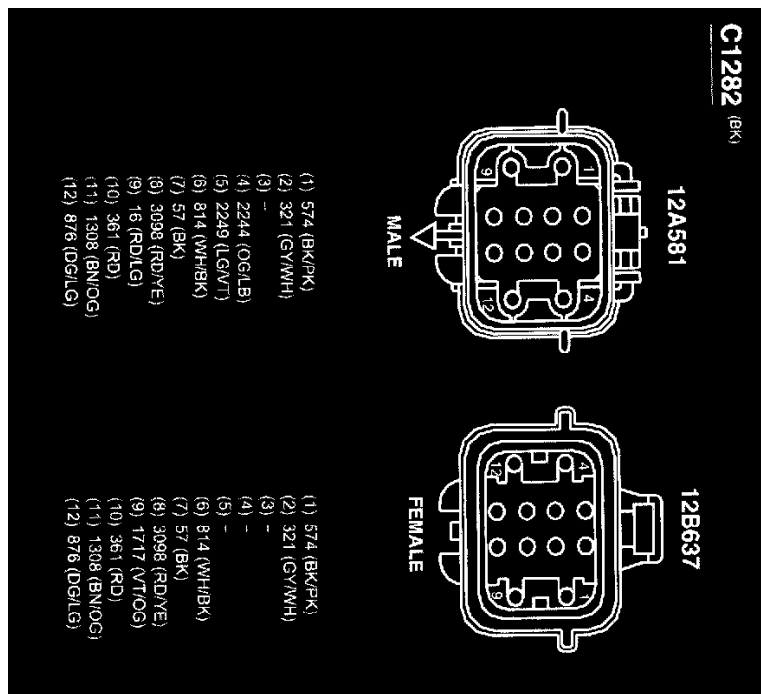
C1147



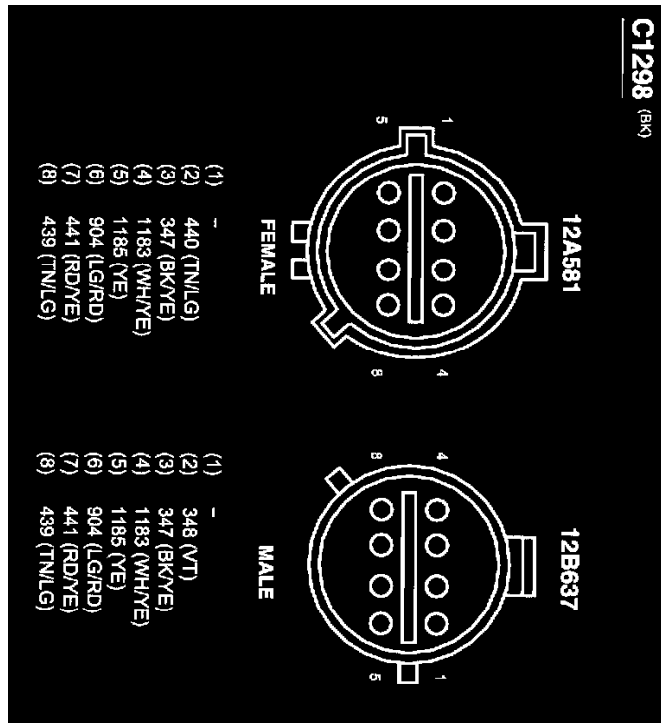
C1148



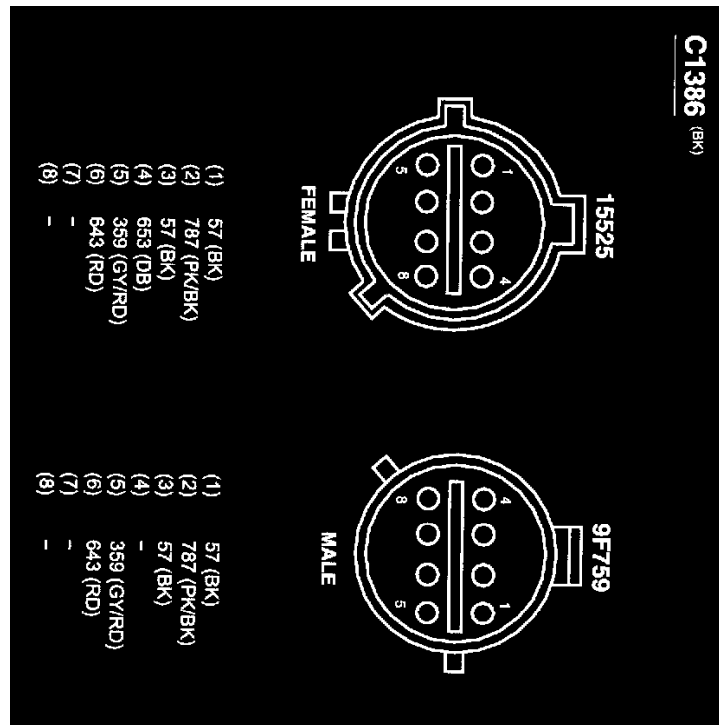
C1221



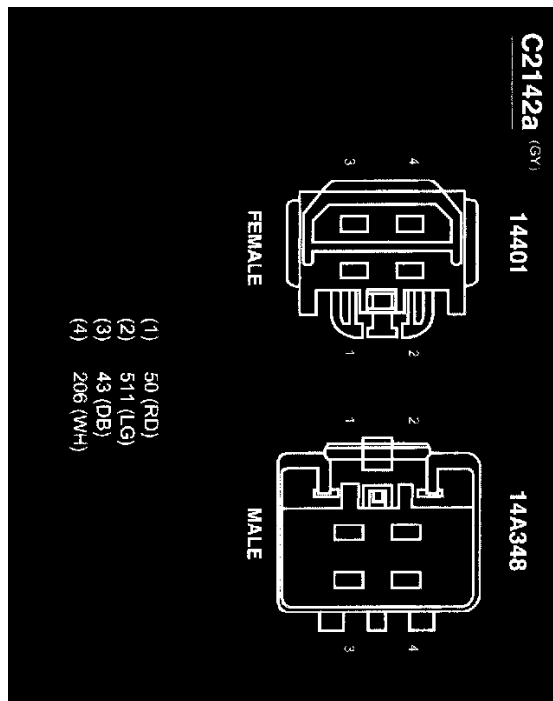
C1282



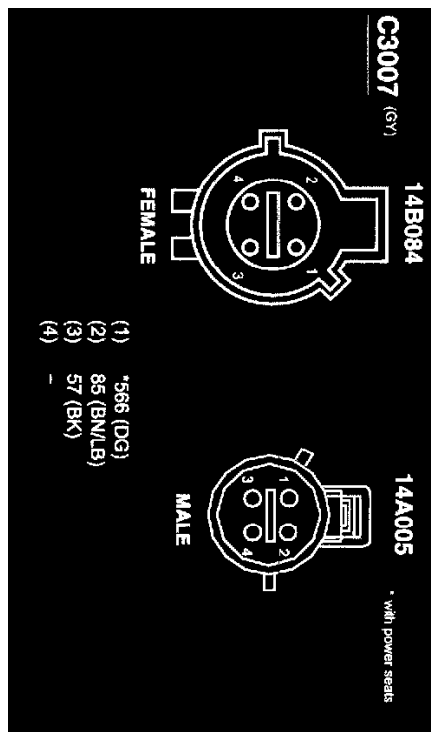
C1298



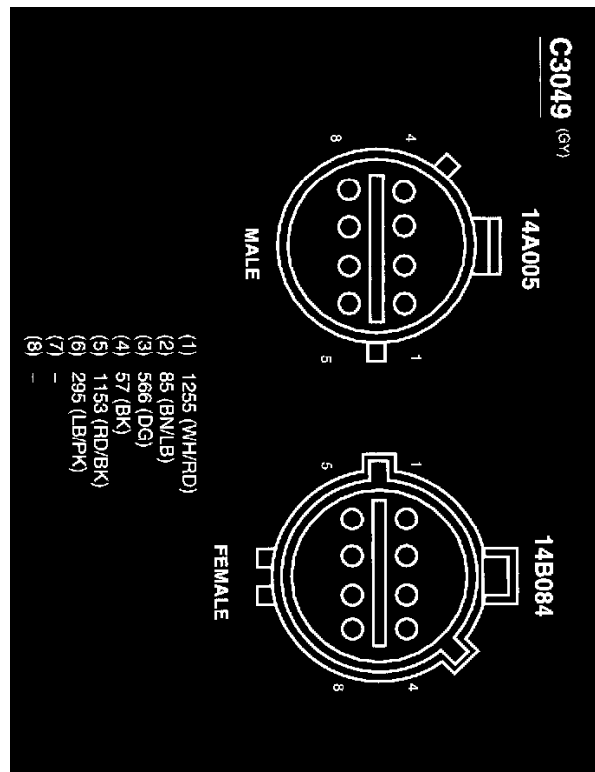
C1386



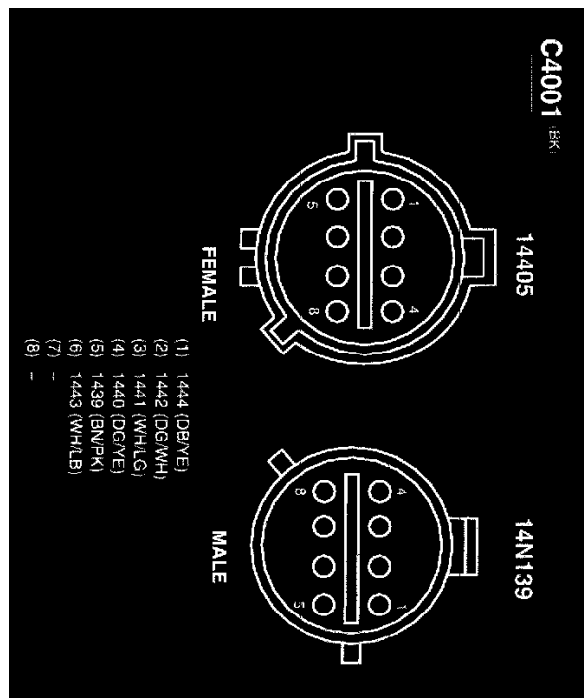
C2142a



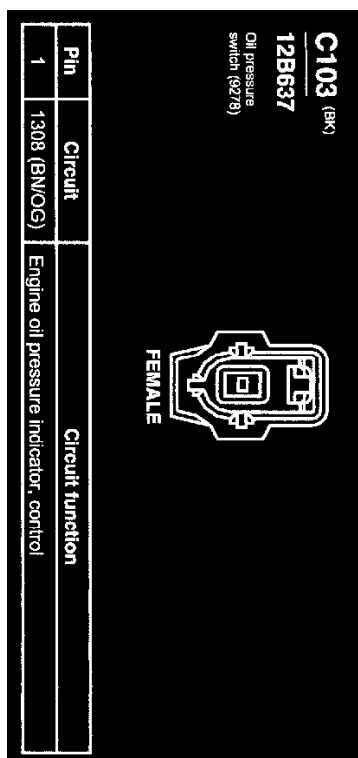
C3007



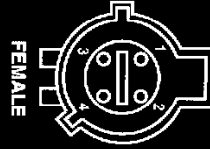
C3049



C4001



C103

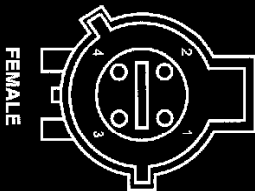
C141 (BU)**15525**Heated Oxygen
Sensor (HO2S)
#22 (9G444)

Pin	Circuit	Circuit function
1	390 (NV/E)	Heated Oxygen Sensor (HO2S) #22 (9G444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	393 (VT/LG)	Heated Oxygen Sensor (HO2S) #22 (9G444), input
4	1704 (VT/LG)	Signal return

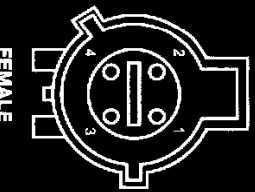
C141**C142 (BU)****15525**Heated Oxygen Sensor
(HO2S) #12 (9G444)

Pin	Circuit	Circuit function
1	389 (WH/BK)	Heated Oxygen Sensor (HO2S) #12 (9G444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	392 (RD/LG)	Heated Oxygen Sensor (HO2S) #12 (9G444), input
4	1704 (VT/LG)	Signal return

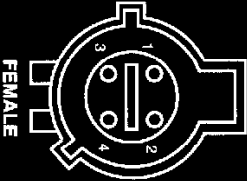
C142

C171 (BK) 12B637 Heated Oxygen Sensor (HO2S) #1 (9F-472)		
		
FEMALE		
Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	397 (RD/W/H)	Heated Oxygen Sensor (HO2S) #1 (9F-472), heater
3	359 (GY/RD)	Signal return
4	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #1 (9F-472), input

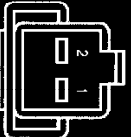
C171

C172 (BK) 12B637 Heated Oxygen Sensor (HO2S) #2 (9F-472)		
		
FEMALE		
Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	398 (YE/LB)	Heated Oxygen Sensor (HO2S) #2 (9F-472), heater
3	359 (GY/RD)	Signal return
4	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #2 (9F-472), input

C172

C1446 (BU)		
14405		
Heated Oxygen Sensor (HO2S) #13 (BG444)		
		
FEMALE		
Pin	Circuit	Circuit function
1	1708 (WH/BK)	Heated Oxygen Sensor (HO2S) #13 (BG444), heater
2	391 (RD/YE)	PCM power relay, switched power
3	1702 (GY/LB)	Heated Oxygen Sensor (HO2S) #13 (BG444), input
4	1703 (FD/LG)	Signal return

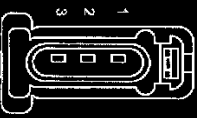
C1446

C2015 (BK)		
14401		
14A005		
Parking brake switch (19A851)		
		
FEMALE		
Pin	Circuit	Circuit function
1	162 (LG/RD)	Park brake switch input
2	676 (PK/OG)	Ground

C2015

C1023 (BK)
12A581

Park/turn
lamp, left
front (13411)



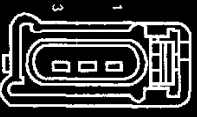
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LGM/H)	Turn lamps, feed, left front

C1023

C4032 (BN)
13A409

Park/stop/
turn lamp,
right rear



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OGLB)	Turn lamps, feed, right rear

C4032

C4035 (BN)
13A409
 Park/
 stop/lum
 lamp, left
 rear

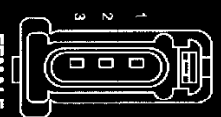


FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4035

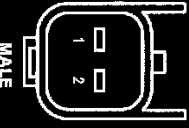
C1043 (BK)
12A581
 Park/lum
 lamp, right
 front (13A111)



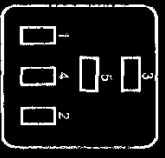
FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

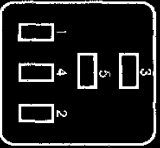
C1043

C106 (BN)		
12B637		
Heated Positive Crankcase Ventilation (PCV) element		
		
MALE		
Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	1276 (WH/OG)	Heated Positive Crankcase Ventilation (PCV) element, control

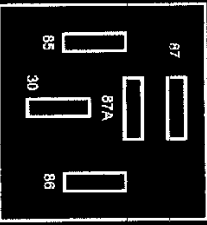
C106

C1187		
12A581		
Trailer tow relay, right turn		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	5 (OG/LB)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	64 (DG)	Trailer lamp socket, Right turn signal

C1187

C1188		
12A581		
Trailer tow relay, left turn		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	9 (LG/OG)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	52 (YE)	Trailer lamp socket, Left turn signal

C1188

C2110		
14401		
Trailer tow relay, battery charge		
		
FEMALE		
Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	57 (BK)	Ground
86	295 (LB/PK)	Voltage supplied in run (overload protected)
87	49 (OG)	Trailer tow relay, battery charge, switched power, output
87A	-	not used

C2110

C525 (GY)
14A005
 Door lock actuator, left front

* with remote keyless entry
 ** without remote keyless entry



Pin	Circuit	Circuit function
1	*163 (RD/OG)	Driver door unlock relay, switched output
	**118 (PK/OG)	Door lock motor (unlock)
2	117 (PK/BK)	Door lock, output

C525

C603 (GY)
14A005
 Door lock actuator, passenger side (218A42)



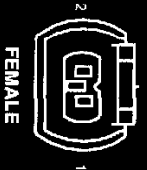
Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C603

C704 (GY)

14A005

Door lock
actuator, left
rear (218A43)



2
1
FEMALE

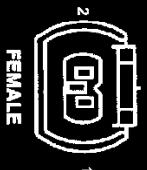
Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C704

C804 (GY)

14A005

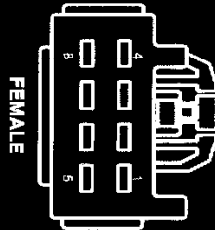
Door lock
actuator, right
rear (218A42)



2
1
FEMALE

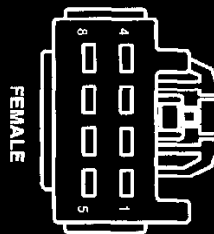
Pin	Circuit	Circuit function
1	117 (PK/BK)	Door lock, output
2	118 (PK/OG)	Door unlock, output

C804

C505 (GN)**14A005**Door lock
switch, driver
side (149633)

* with remote keyless entry
 ** without remote keyless entry

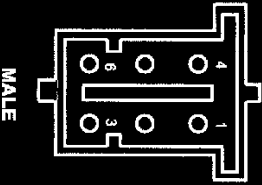
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**57 (BK)	Common
3	*1210 (BK/WH)	Unlock Switch Circuit
	**120 (PK/LG)	Unlock Switch Circuit
4	*57 (BK)	Ground
	**116 (RD/BK)	Voltage supplied at all times (overload protected)
5	*194 (PK)	Switch Illumination
6	-	not used
7	*1211 (WH/RD)	Lock Switch Circuit
	**119 (PK/YE)	Lock Switch Circuit
8	**57 (BK)	Ground

C505**C605 (GN)****14A005**Door lock
switch,
passenger
side (14026)

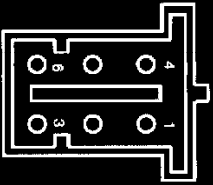
* with remote keyless entry
 ** without remote keyless entry

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	**120 (PK/LG)	Unlock Switch Circuit
3	*1210 (BK/WH)	Unlock Switch Circuit
	**118 (PK/OG)	Unlock Switch Circuit
4	*57 (BK)	Ground
	**116 (RD/BK)	Voltage supplied at all times (overload protected)
5	194 (PK)	Switch Illumination
6	-	not used
7	*1211 (WH/RD)	Lock Switch Circuit
	**117 (PK/BK)	Lock Switch Circuit
8	**119 (PK/YE)	Lock Switch Circuit

C605

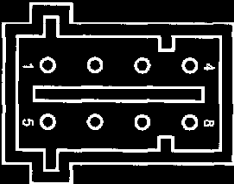
C357 (BN)		
14B084		
Power seat motor assembly, left		
		
MALE		
Pin	Circuit	Circuit function
1	980 (YE/WH)	Fwd/Rwd motor, Forward
2	983 (RD/LG)	Rear height motor, Up
3	982 (YE/LG)	Rear height motor, Down
4	981 (RD/WH)	Fwd/Rwd motor, Forward
5	990 (YE/LB)	Front height motor, Down
6	979 (RD/LB)	Front height motor, Up

C357

C3015 (BN)		
14B084		
Power seat motor assembly, right		
		
MALE		
Pin	Circuit	Circuit function
1	987 (RD/WH)	Fwd/Rwd motor, Rearward
2	985 (RD/LB)	Rear height motor, Down
3	984 (YE/LB)	Rear height motor, Up
4	986 (YE/WH)	Fwd/Rwd motor, Forward
5	988 (YE/LG)	Front height motor, Up
6	989 (RD/LG)	Front height motor, Down

C3015

C330 (BK)
14B084
Seat adjust
switch,
passenger side
front

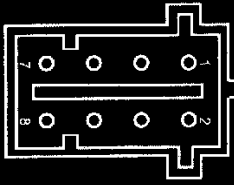


MALE

Pin	Circuit	Circuit function
1	989 (RD/LG)	Front height motor, Down
2	51 (BK/WH)	Voltage supplied at all times (overload protected)
3	987 (RD/WH)	Fwd/Rwd motor, Rearward
4	57 (BK)	Ground
5	984 (YE/LB)	Rear height motor, Up
6	988 (YE/LG)	Front height motor, Up
7	985 (RD/LB)	Rear height motor, Down
8	986 (YE/WH)	Fwd/Rwd motor, Forward

C330

C360 (BK)
14B084
Seat adjust
switch, driver
side front
(14A707)



MALE

Pin	Circuit	Circuit function
1	990 (YE/LB)	Front height motor, Down
2	983 (RD/LG)	Rear height motor, Up
3	982 (YE/LG)	Rear height motor, Down
4	566 (DG)	Voltage supplied at all times (overload protected)
5	979 (RD/LB)	Front height motor, Up
6	981 (RD/WH)	Fwd/Rwd motor, Forward
7	980 (YE/WH)	Fwd/Rwd motor, Rearward
8	57 (BK)	Ground

C360

C369 (TN)
14B084
Seat adjust
switch, driver
848 (OM
(14A701)

MALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	979 (RD/LB)	Front height motor, Up
3	980 (YE/WH)	Fwd/Rwd motor, Rearward
4	982 (YE/LG)	Rear height motor, Down
5	981 (RD/WH)	Fwd/Rwd motor, Forward
6	983 (RD/LG)	Rear height motor, Up
7	566 (DG)	Voltage supplied at all times (overload protected)
8	990 (YE/LB)	Front height motor, Down

C369

C301 (GY)
14687
Power sliding rear
window motor
(14A464)

FEMALE

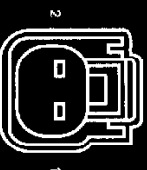
Pin	Circuit	Circuit function
1	404 (VT/LG)	Rear window adjust switch to window motor
2	405 (VT/LB)	Rear window adjust switch to window motor

C301

C524 (BK)

14A005

Power window motor driver side front (23395)



FEMALE

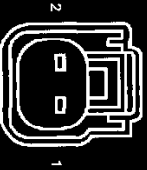
Pin	Circuit	Circuit function
1	992 (WH/BK)	Master window adjust switch (14529), feed, Up
2	991 (TN/LB)	Master window adjust switch (14529), feed, Down

C524

C608 (BK)

14A005

Power window motor passenger side front (23394)



FEMALE

Pin	Circuit	Circuit function
1	333 (YE/RD)	Window motor, feed, Up
2	334 (RD/YE)	Window motor, feed, Down

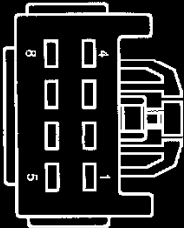
C608

C703 (BK)		
14A005		
Power window motor, left (23394)		
		
FEMALE		
Pin	Circuit	Circuit function
1	885 (YE/LB)	Window motor, feed, Down
2	684 (YE/BK)	Window motor, feed, Up

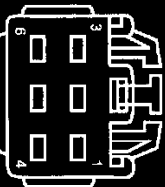
C703

C803 (BK)		
14A005		
Power window motor, right rear (23394)		
		
FEMALE		
Pin	Circuit	Circuit function
1	882 (BN/YE)	Window motor, feed, Down
2	881 (BN)	Window motor, feed, Up

C803

C504a (BU) 14A005 Master window adjust switch (14540)		
		
Pin	Circuit	Circuit function
1	—	not used
2	57 (BK)	Ground
3	313 (WH/YE)	Window switch, feed, right front, Down
4	314 (TN/LB)	Window switch, feed, right front, Up
5	—	not used
6	400 (LB/BK)	Accessory delay relay, switched output
7	991 (TN/LB)	Master window adjust switch (14529), feed, Down
8	992 (WH/BK)	Master window adjust switch (14529), feed, Up

C504a

C504b (GY) 14A005 Master window adjust switch (14540)			 FEMALE
Pin	Circuit	Circuit function	
1	—	not used	
2	319 (YE/BK)	Window switch, feed, right rear, Down	
3	320 (RD/BK)	Window switch, feed, right rear, Up	
4	193 (YE/LG)	Window lockout, switched output	
5	316 (YE/LB)	Window switch, feed, left rear, Up	
6	317 (GY/OG)	Window switch, feed, left rear, Down	

C504b

* with crew cab

C604 (GY)

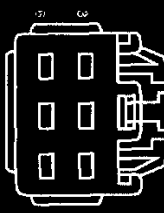
14A005

Window adjust
switch,
passenger side

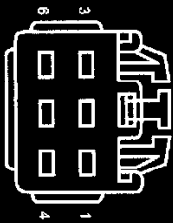
FEMALE

Circuit function		
Pin	Circuit	
1	313 (WH/YE)	Window switch, feed, right front, Down
2	334 (RD/YE)	Window motor, feed, Down
3	*193 (YE/LG)	Switched power
	400 (LB/BK)	Accessory delay relay, switched output
4	-	not used
5	333 (YE/RD)	Window motor, feed, Up
6	314 (TN/LB)	Window switch, feed, right front, Up

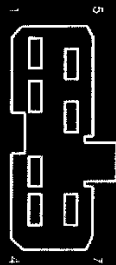
C604

C701 (GY) 14A005 Window adjust switch, left rear (14A412)						
						
			FEMALE			
Pin	Circuit	Circuit function				
1	317 (GY/OG)	Window switch, feed, left rear, Down				
2	885 (YE/LB)	Window motor, feed, Down				
3	193 (YE/LG)	Switched power				
4	-	not used				
5	884 (YE/BK)	Window motor, feed, Up				
6	316 (YE/LB)	Window switch, feed, left rear, Up				

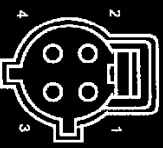
C701

C801 (GY)		
14A005		
Window adjust switch, right rear (14A412)		
		
FEMALE		
Pin	Circuit	Circuit function
1	319 (YE/BK)	Window switch, feed, right rear, Down
2	882 (BN/YE)	Window motor, feed, Down
3	193 (YE/LG)	Switched power
4	-	not used
5	881 (BN)	Window motor, feed, Up
6	320 (RD/BK)	Window switch, feed, right rear, Up

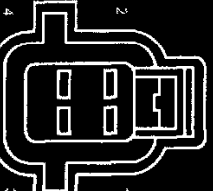
C801

C203 (BK)		
14401		
Power sliding rear window switch		
		
FEMALE		
Pin	Circuit	Circuit function
1	405 (VT/LB)	Rear window adjust switch to window motor
2	400 (LB/BK)	Accessory delay relay, switched output
3	57 (BK)	Ground
4	57 (BK)	Ground
5	19 (LB/RD)	Instrument illumination, feed
6	57 (BK)	Ground
7	404 (VT/LG)	Rear window adjust switch to window motor

C203

C1081 (BN)		
12A581		
14305		
19B573		
A/C compressor cycling switch (19E561)		
		
FEMALE		
Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	-	not used
3	-	not used
4	348 (VT)	A/C demand signal

C1081

C1062 (BK)		
12B637		
Dual pressure switch (19D594)		
		
FEMALE		
Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C compressor cycling switch (19E561)
2	347 (BK/YE)	Ground
3	348 (VT)	A/C demand signal
4	439 (TN/LG)	A/C pressure switch, signal

C1062

C1078 (GY)
14305
A/C high pressure switch
(190594)

FEMALE

Pin	Circuit	Circuit function
1	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
2	-	not used
3	439 (TN/LG)	A/C pressure switch, signal
4	-	not used

C1078

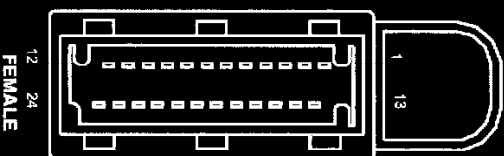
C1035
12A581
Battery Junction Box (R/R)
(14A067)

Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C1035

C270a (BK)**14401**Control Junction
Box (CJB)
(144007)

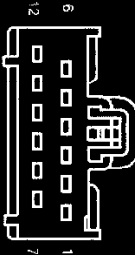
* with Remote Keyless Entry



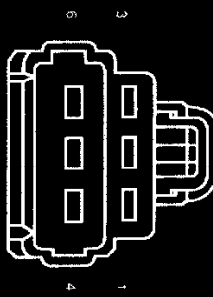
Pin	Circuit	Circuit function
1	54 (LG/YE)	Battery saver relay, switched output
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	-	not used
5	298 (VT/OG)	Voltage in Run (overload protected)
6	-	not used
7	*1306 (PK/WH)	Voltage supplied at all times (overload protected)
8	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
9	-	not used
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	57 (BK)	Ground
12	295 (LB/PK)	Voltage in Run (overload protected)

Pin	Circuit	Circuit function
13	12 (LG/BK)	Power, Hot with High Beams on
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Voltage supplied at all times (overload protected)
16	294 (WH/LB)	Voltage in Run (overload protected)
17	275 (YE)	Fog lamp relay, control
18	609 (OG/YE)	Voltage in Run (overload protected)
19	1 (DB)	Horn relay, control
20	296 (WH/VT)	Voltage in Run (overload protected)
21	295 (LB/PK)	Voltage in Run (overload protected)
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Accessory delay relay, switched output
24	-	not used

C270a

C270b (GY) 14401		Central Junction Box (CJB) (14A067)
		
Pin	Circuit	Circuit function
1	1792 (PK)	Voltage supplied at all times (overload protected)
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	-	not used
4	-	not used
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied in Start (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Voltage supplied at all times (overload protected)
11	-	not used
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270b

C270c (BK) 14401 Central Junction Box (CJB) (14A067)		
		
Pin	Circuit	Circuit function
1	1040 (RD/BK)	Voltage supplied in Run (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1050 (LG/NT)	Voltage supplied at all times (overload protected)
4	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
5	687 (GY/YE)	Voltage supplied in Run (overload protected)
6	964 (DB/LG)	Voltage supplied in Accessory and Run (overload protected)

C270c

C270d (CV)
14401
Central Junction
Box (CJB)
(14A067)

* with Adjustable pedals
** with Power sliding window or
roof opening panel

FEMALE

Pin	Circuit	Circuit function
1	3049 (BK/LG)	Voltage supplied at all times (overload protected)
2	-	not used
3	*1667 (RD/LB)	Voltage supplied at all times (overload protected)
4	-	not used
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	**400 (LB/BK)	Accessory delay relay, switched output
7	40 (LB/WH)	Voltage supplied at all times (overload protected)
8	19 (LB/RD)	Instrument illumination, feed

C270d

C270e (BK)
14401
Central Junction
Box (CJB)
(14A067)

FEMALE

Pin	Circuit	Circuit function
1	50 (RD)	Voltage supplied at all times (overload protected)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected)
4	325 (DB/OG)	Voltage supplied at all times (overload protected)

C270e

C270f (BK)
12A581
Central Junction
Box (CJB)
(14A067)

FEMALE

*Diesel
**Gas
***with Under hood lamp

Pin	Circuit	Circuit function
1	-	not used
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	-	not used
5	*57 (BK)	Ground
6	**570 (BK/WH)	Ground
7	33 (WH/PK)	Voltage supplied in Start (overload protected)
8	***54 (LG/YE)	Battery saver relay, switched output
9	324 (YE/LG)	Reversing lamps relay, control
10	329 (PK)	Starter relay, control
11	570 (BK/WH)	Ground
12	*926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270f

C270g (BK)
12A581
Central Junction
Box (CJB)
(14A067)

FEMALE

Pin	Circuit	Circuit function
1	140 (BK/PK)	Reversing lamps relay, switched output
2	113 (YE/LB)	Starter relay (11450) switched power, output
3	-	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	-	not used
6	49 (OG)	Trailer tow battery charge relay, switched output
7	-	not used
8	-	not used

C270g

C270h (BK)
12A581
Central Junction Box (CJB)
(14A067)

*with Fog lamps
**with Diesel, DRL or ESOF

Pin	Circuit	Circuit function
1	12 (LG/BK)	Power, Hot with High Beams on
2	*478 (TN/OG)	Fog lamp relay, output, to fog lamps
3	14 (BN)	Power, Exterior lamps
4	-	not used
5	361 (RD)	PCM power relay, switched power
6	391 (RD/YE)	PCM power relay, switched power
7	**295 (LB/PK)	Voltage supplied in Run (overload protected)
8	33 (WH/PK)	Voltage supplied in Start (overload protected)
9	6 (YE/LG)	Horn relay, switched power, output
10	-	not used
11	-	not used
12	-	not used

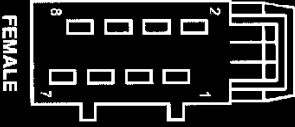
C270h

C270j (BK)
14A005
Central Junction Box (CJB)
(14A067)

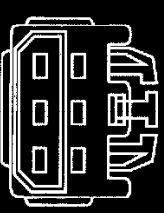
*with Power equipment

Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	*956 (OG/LG)	Voltage supplied at all times (overload protected)
4	-	not used
5	-	not used
6	-	not used
7	*59 (DGM/T)	HTD mirror relay, switched output
8	-	not used
9	-	not used
10	*295 (LB/PK)	Voltage supplied in Run (overload protected)
11	*194 (PK)	Accessory delay relay, switched output
12	*14 (BN)	Power, Exterior lamps
13	-	not used
14	*295 (LB/PK)	Voltage supplied in Run (overload protected)
15	962 (BN/W/H)	Trailer tow relay, parking lamp, switched output
16	54 (LG/YE)	Battery saver relay, switched output

C270j

C270k (NA)		
14A303		
Central Junction Box (CJB) (14A067)		
		
FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	1447 (RD)	Voltage supplied at all times (overload protected)
3	-	not used
4	1717 (VT/OG)	Voltage supplied in Start and Run (overload protected)
5	19 (LB/RD)	Instrument illumination, feed
6	1445 (RD/LG)	Voltage supplied at all times (overload protected)
7	1446 (RD/LB)	Voltage supplied at all times (overload protected)
8	1448 (OG/RD)	Voltage supplied at all times (overload protected)

C270k

C270I (GV)		
14A005		
Central Junction Box (CJB) (14A067)		
		
FEMALE		
Pin	Circuit	Circuit function
1	-	not used
2	-	not used
3	**1153 (RD/BK)	Voltage supplied at all times (overload protected)
4	**51 (BK/WH)	Voltage supplied at all times (overload protected)
5	566 (DG)	Voltage supplied at all times (overload protected)
6	400 (LB/BK)	Accessory delay relay, switched output

*with Heated seats
**with Passenger power seats

C270I

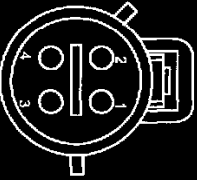
C270p
12A581
Central Junction
Box (CLB)
(14A087)



Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C270p

C323 (GV)
14B084
Safety belt
buckle switch
(10B924)



Pin	Circuit	Circuit function
1	85 (BN/LB)	Safety belt buckle switch (10B924), input
2	-	not used
3	-	not used
4	57 (BK)	Ground

C323

C334 (BK)

14B084

Seat cushion heater, right front



MALE

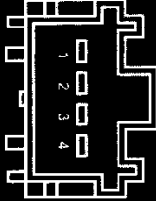
Pin	Circuit	Circuit function
1	1066 (GY/LB)	Seat back heater, right front, heater, feed
2	-	not used
3	-	not used
4	1064 (YE/LB)	Seat cushion heater, right front, heater, feed

C334

C364 (BK)

14B084

Seat cushion heater, left front



MALE

Pin	Circuit	Circuit function
1	1066 (GY/LB)	Seat cushion heater, left front, heater, feed
2	-	not used
3	-	not used
4	1064 (YE/LB)	Seat back heater, left front, heater, feed

C364

C335 (BK)
14B084
Seat back
heater, right
front



MALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	1066 (GY/LB)	Seat back heater, right front, heater, feed

C335

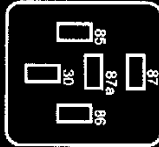
C365 (BK)
14B084
Seat back
heater,
left front



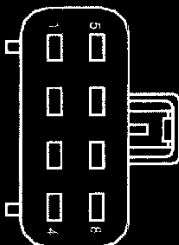
MALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	1066 (GY/LB)	Seat cushion heater, left front, heater, feed

C365

C359**14B084**Heated seat
relay, driver
side front**FEMALE**

Pin	Circuit	Circuit function
30	1153 (RD/BK)	Voltage supplied at all times (overload protected)
85	295 (LB/PK)	Voltage supplied in Run (overload protected)
86	57 (BK)	Ground
87	1255 (WH/RD)	Heated seat relay, switched output
87a	-	not used

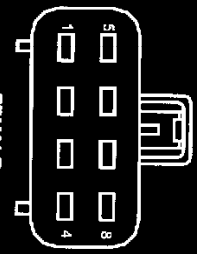
C359**C320 (BN)****14B084**Seat heater
switch, driver
side**FEMALE**

Pin	Circuit	Circuit function
1	1064 (YE/LB)	Seat cushion heater, left front, heater, feed
2	1255 (WH/RD)	Heated seat relay, switched output
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	-	not used
7	-	not used
8	-	not used

C320

C321 (BN)
14B084

Seat heater
switch,
passenger side



FEMALE

Pin	Circuit	Circuit function
1	1084 (YE/LB)	Seat cushion heater, right front, heater, feed
2	1255 (WH/RO)	Heated seat relay, switched output
3	-	not used
4	57 (BK)	Ground
5	-	not used
6	-	not used
7	-	not used
8	-	not used

C321

C286 (BK)
14401

Sunload
sensor
(13A01B)



FEMALE

Pin	Circuit	Circuit function
A	*217 (DB/OG)	Sunload sensor, signal
B	**57 (BK)	Ground
C	*676 (PK/OG) 1104 (LB)	Sunload sensor, signal

* with EATC
** without EATC

C286

C197a
14B060
14300
Starter motor (11002)



Pin	Circuit	Circuit function
1	113 (YEL/B)	Starter relay (11450), switched power, output

C197a

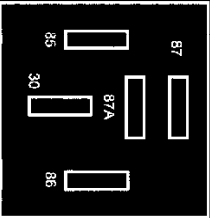
C197b
14B060
14300
Starter motor (11002)



Pin	Circuit	Circuit function
1	2037 (RD)	Battery cable +

C197b

C2163
12A581
Starter relay

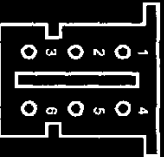


FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (overload protected)
85	33 (WH/PK)	Voltage supplied in Start (overload protected)
86	329 (PK)	Starter relay, control
87	113 (YE/LB)	Starter relay (11450) switched power, output
87A	-	not used

C2163

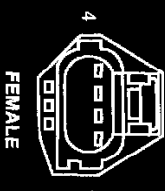
C921a
17C712
Roof opening panel module (502D70)



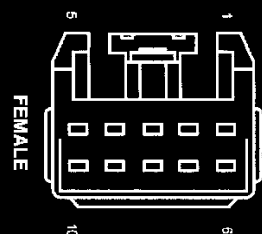
FEMALE

Pin	Circuit	Circuit function
1	1175 (TN/RD)	Roof opening panel, Close circuit
2	1174 (WH/RD)	Roof opening panel, Open circuit
3	57 (BK)	Ground
4	400 (LB/BK)	Accessory delay relay, switched output
5	1173 (BN/OG)	Roof opening panel, common
6	-	not used

C921a

C1189 (BK)		
12B637		
Throttle Position Sensor (TPS) (9F991)		
(9F991)		
		
Pin	Circuit	Circuit function
1	357 (YE/WH)	Throttle Position Sensor (TPS) (9F991) signal 2
2	1945 (VT/WH)	Throttle Position Sensor (TPS) (9F991) Reference voltage
3	1946 (OG/LB)	Throttle Position Sensor (TPS) (9F991) Signal return
4	355 (GY/WH)	Throttle Position Sensor (TPS) (9F991) signal 1

C1189

C2142b (GY)		
14401		
Trailer Brake Control (TBC) module		
		
Pin	Circuit	Circuit function
1	1792 (PK)	Voltage supplied at all times (overload protected)
2	-	not used
3	298 (VT/OG)	Voltage supplied in run (overload protected)
4	-	not used
5	-	not used
6	1908 (WH)	High speed CAN +
7	1909 (BK)	High speed CAN -
8	3600 (RD/WH)	Brake pressure signal return
9	3601 (WH/RD)	Brake pressure sensor 5 volt signal
10	3602 (TN/VE)	High current sense return

C2142b

C1187
12A581
Trailer tow
relay, right
turn

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	5 (OG/LB)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	64 (DG)	Trailer lamp socket, Right turn signal

C1187

C1188
12A581
Trailer tow
relay, left
turn

FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	9 (LG/OG)	Relay, control
3	1362 (DG/OG)	Voltage supplied at all times (overload protected)
4	-	not used
5	52 (YE)	Trailer lamp socket, Left turn signal

C1188

C2110
14401
Trailer tow relay,
battery charge

FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	57 (BK)	Ground
86	295 (LB/PK)	Voltage supplied in run (overload protected)
87	49 (OG)	Trailer tow relay, battery charge, switched power, output
87A	-	not used

C2110

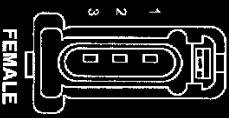
C2110
14401
Trailer tow relay,
battery charge

FEMALE

Pin	Circuit	Circuit function
30	-	Voltage supplied at all times (not overload protected)
85	57 (BK)	Ground
86	295 (LB/PK)	Voltage supplied in run (overload protected)
87	49 (OG)	Trailer tow relay, battery charge, switched power, output
87A	-	not used

C2110

C1023 (BK)
12A581
 Park/turn
 lamp, left
 front (13411)



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LGWH)	Turn lamps, feed, left front

C1023

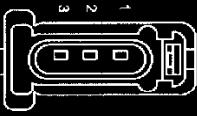
C4032 (BN)
13A409
 Park/stop/
 turn lamp,
 right rear



FEMALE

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	5 (OGLB)	Turn lamps, feed, right rear

C4032

C1043 (BK)		
12A581		
Park/turn lamp, right front (13A11)		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	2 (WH/LB)	Turn lamps, feed, right front

C1043

C4035 (BN)		
13A409		
Park/ stop/turn lamp, left rear		
		
FEMALE		
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	14 (BN)	Power Exterior lamps
3	9 (LG/OG)	Turn lamps, feed, left rear

C4035

C2047
14401
Indicator flasher relay (13350)

FEMALE

Pin	Circuit	Circuit function
1	44 (LB)	Indicator flasher relay (13350), Turn signal, output
2	295 (LB/PK)	Voltage supplied in run (overload protected)
3	10 (LG/RD)	Voltage supplied at all times (overload protected)
4	385 (WH/RD)	Indicator flasher relay (13350), Hazard, output
5	57 (BK)	Ground

C2047

C202a (GV)
14401
Multifunction switch

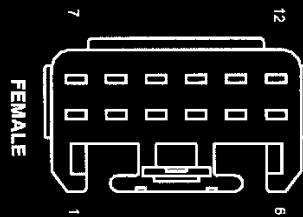
FEMALE

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Indicator flasher relay (13350), turn signal output
3	385 (WH/RD)	Indicator flasher relay (13350), hazard, output
4	-	not used
5	-	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GV/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	-	not used

C202a

C202b (GY)**14401**

Multifunction switch



Pin	Circuit	Circuit function
1	63 (RD)	Front wiper switch circuit A
2	56 (DB/OG)	Front wiper switch circuit C
3	58 (WH)	Front wiper switch circuit B
4	61 (YE/RD)	Front wiper switch circuit H
5	589 (OG)	Front washer switch circuit W
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	-	not used
12	-	not used

C202b**C1159** (GY)**12A581**

Engine compartment lamp



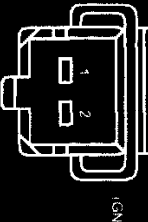
Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	54 (LG/YE)	Battery saver relay, switched output

C1159



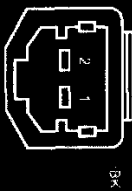
C907
17C712
Vanity mirror
lamp, left
(04100)

without roof opening panel



(GN)

with roof opening panel



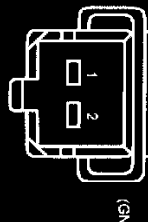
(BK)

Pin	Circuit	Circuit function
1	54 (LGYE)	Battery saver relay, switched output
2	57 (BK)	Ground

C907

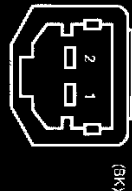
C906
17C712
Vanity mirror
lamp, right
(04100)

without roof opening panel



(GN)

with roof opening panel

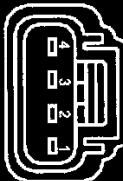


(BK)

Pin	Circuit	Circuit function
1	54 (LGYE)	Battery saver relay, switched output
2	57 (BK)	Ground

C906

C191 (BK)
12B637
 Intake Manifold
 Tuning Valve
 (IMTV)



FEMALE

Pin	Circuit	Circuit function
1	361 (RD)	PCM power relay, switched power
2	670 (BK/WH)	Ground
3	1022 (DB/YE)	Intake Manifold Tuning valve (IMTV) control
4	-	not used

C191

C1444 (BK)
12B637
 Charge Motion
 Control Valve
 (CMCV)



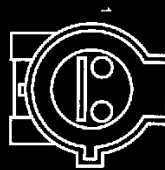
FEMALE

Pin	Circuit	Circuit function
1	391 (RD/YE)	PCM power relay, switched power
2	570 (BK/WH)	Ground
3	367 (BN)	Charge Motion Control Valve (CMCV) control
4	373 (WH/RD)	Charge Motion Control Valve (CMCV) monitor

C1444

C150 (BK) 12A581 Wheel speed sensor, left front (2C205)		
 FEMALE		
Pin	Circuit	Circuit function
1	521 (TN/OG)	Wheel speed sensor, left front (2C205) +
2	522 (TN/BK)	Wheel speed sensor, left front (2C205) -

C150

C160 (BK) 12A581 Wheel speed sensor, right front (2C204)		
 FEMALE		
Pin	Circuit	Circuit function
1	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
2	516 (YE/BK)	Wheel speed sensor, right front (2C204) -

C160

C137 (BK)
12A581
Windshield washer pump motor (17618)

Pin	Circuit	Circuit function
1	941 (BK/WH)	Windshield washer pump motor (17618), feed
2	57 (BK)	Ground

C137

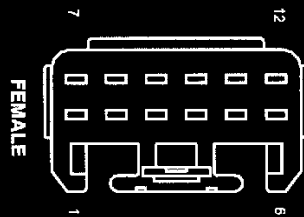
C202a (GY)
14401
Multifunction switch

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Indicator flasher relay (13350), turn signal output
3	385 (WH/RD)	Indicator flasher relay (13350), hazard, output
4	-	not used
5	-	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	-	not used

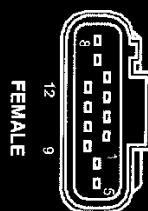
C202a

C202b (GY)**14401**

Multifunction switch



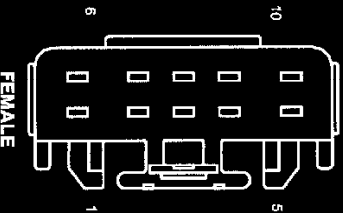
Pin	Circuit	Circuit function
1	63 (RD)	Front wiper switch circuit A
2	56 (DB/OG)	Front wiper switch circuit C
3	58 (WH)	Front wiper switch circuit B
4	61 (YE/RD)	Front wiper switch circuit H
5	589 (OG)	Front washer switch circuit W
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	-	not used
12	-	not used

C202b**C125** (BK)**12A581**Windshield wiper
motor (17D535)

Pin	Circuit	Circuit function
1	61 (YE/RD)	Front wiper switch circuit H
2	-	not used
3	676 (PK/OG)	Ground
4	679 (GY/BK)	Vehicle Speed Sensor (VSS), signal
5	65 (DG)	Voltage supplied at all times (overload protected)
6	57 (BK)	Ground
7	941 (BK/WH)	Windshield washer pump motor (17618), feed
8	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
9	63 (RD)	Front wiper switch circuit A
10	56 (DB/OG)	Front wiper switch circuit C
11	58 (WH)	Front wiper switch circuit B
12	589 (OG)	Front washer switch circuit W

C125

C202a (GY)
14401
Multifunction switch

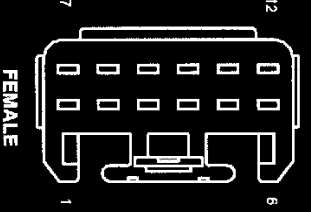


Circuit function

Pin	Circuit	Circuit function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Indicator flasher relay (13350), turn signal output
3	385 (WH/RD)	Indicator flasher relay (13350), hazard, output
4	-	not used
5	-	not used
6	196 (DB/OG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	15 (RD/YE)	Power, Hot with Headlamps on
9	13 (RD/BK)	Power, Hot with Low Beams on
10	-	not used

C202a

C202b (GY)
14401
Multifunction switch



Circuit function

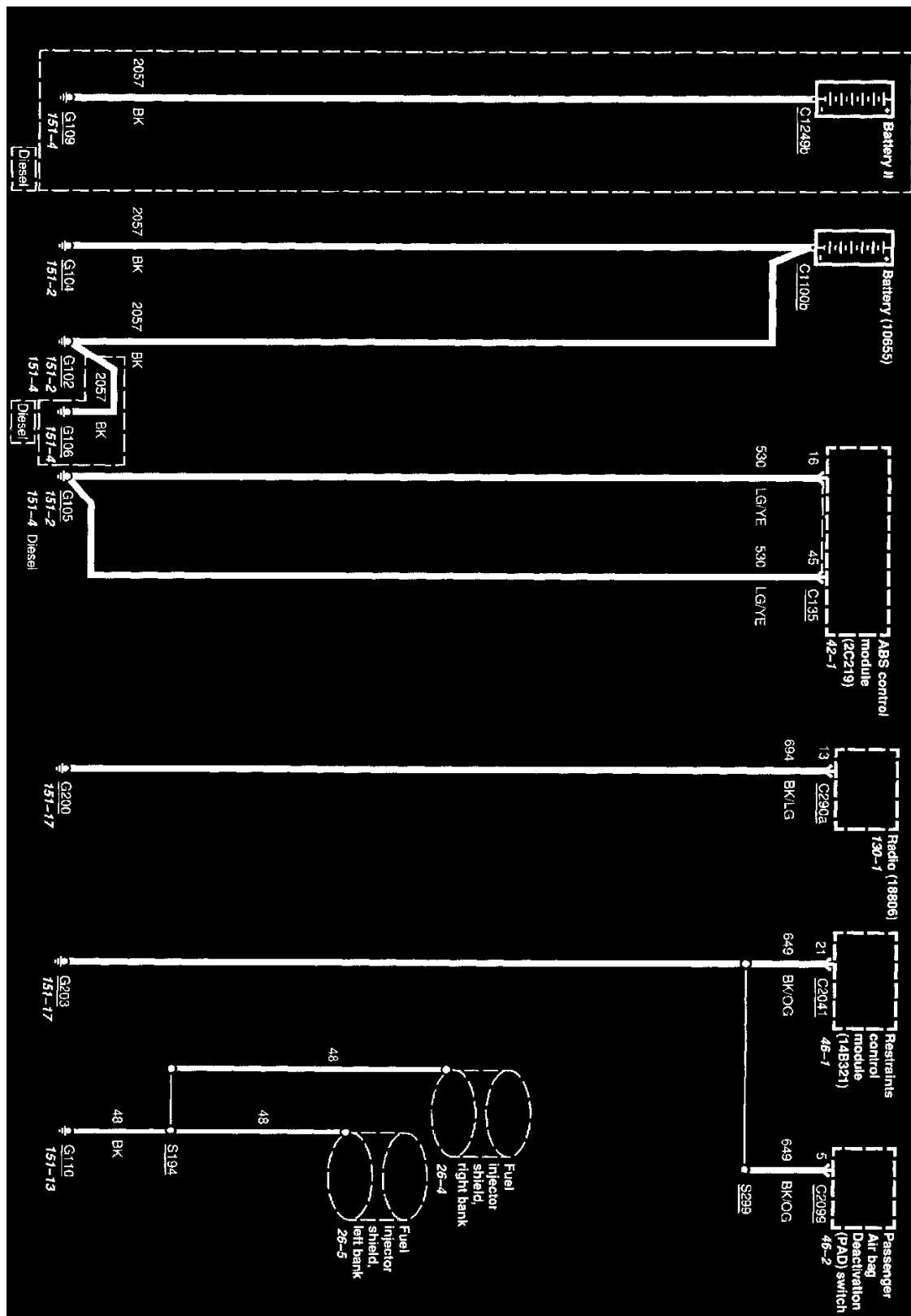
Pin	Circuit	Circuit function
1	63 (RD)	Front wiper switch circuit A
2	56 (DB/OG)	Front wiper switch circuit C
3	58 (WH)	Front wiper switch circuit B
4	61 (YE/RD)	Front wiper switch circuit H
5	589 (OG)	Front washer switch circuit W
6	57 (BK)	Ground
7	2 (WH/LB)	Turn lamps, feed, right front
8	5 (OG/LB)	Turn lamps, feed, right rear
9	9 (LG/OG)	Turn lamps, feed, left rear
10	3 (LG/WH)	Turn lamps, feed, left front
11	-	not used
12	-	not used

C202b

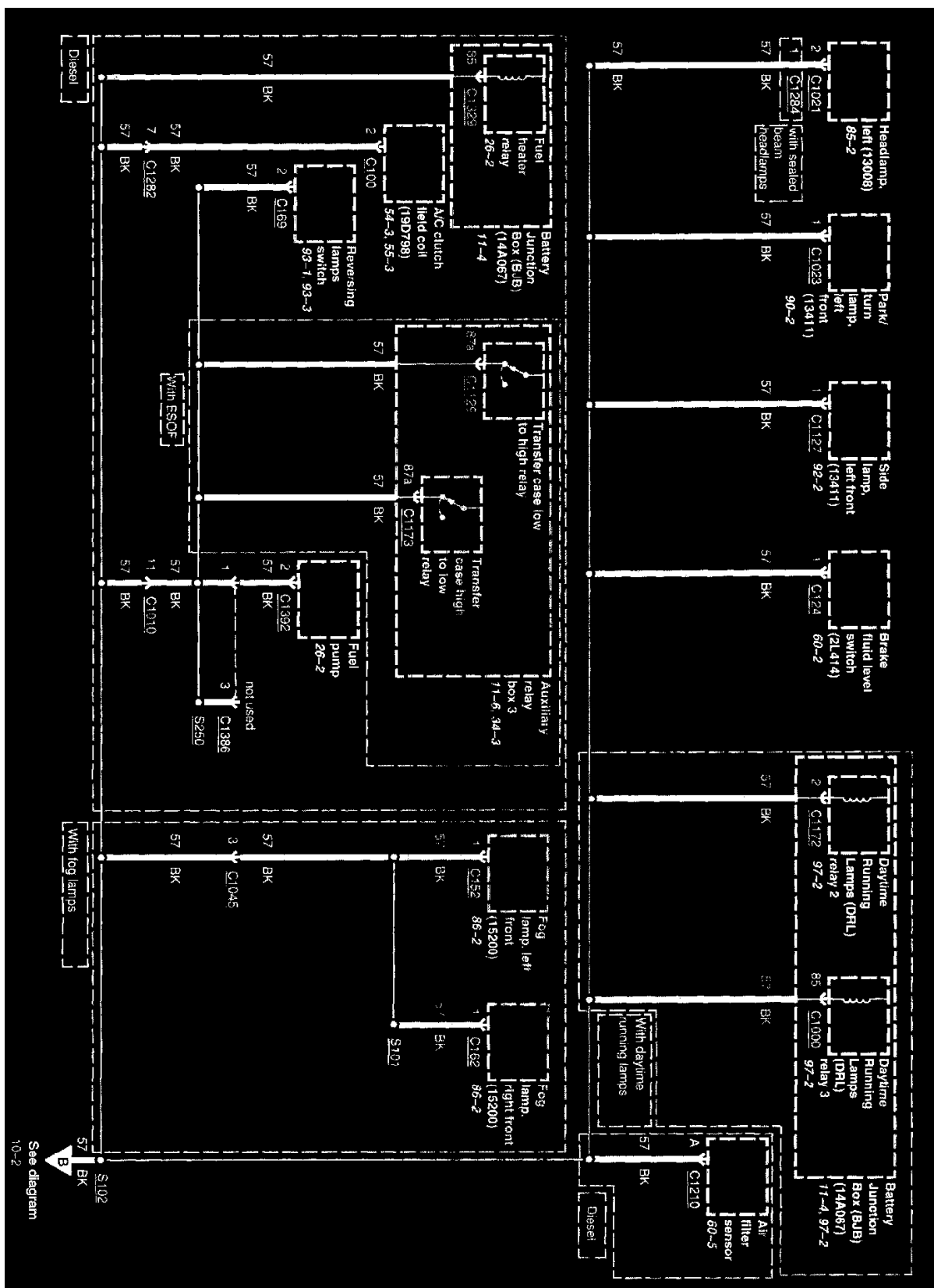
Please Note

Please Note: When selecting diagrams by their ID numbers, some diagram sets may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do NOT apply to the vehicle model selected.

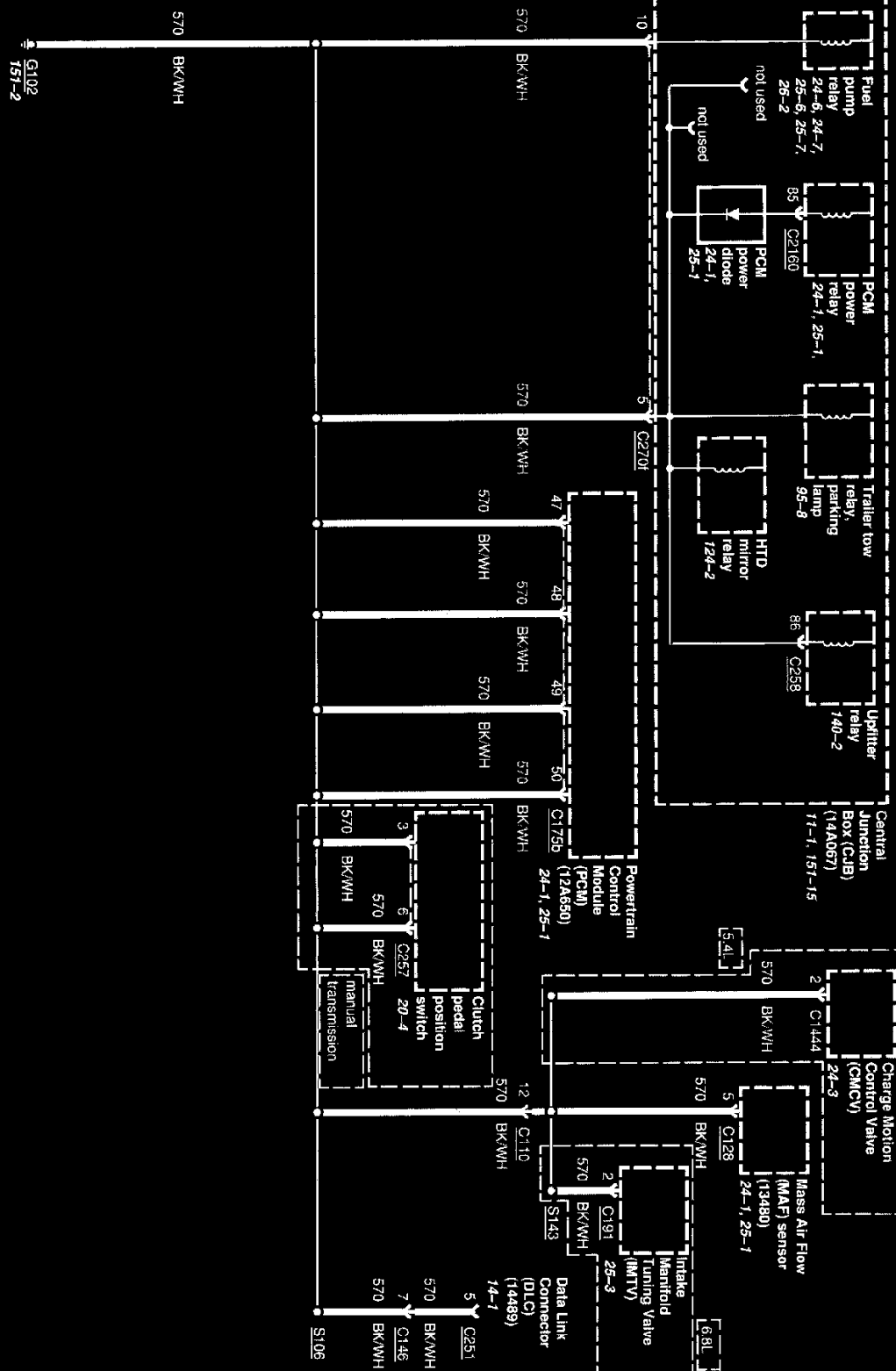
G102, G104, G105, G106, G109, G110, G200, G203



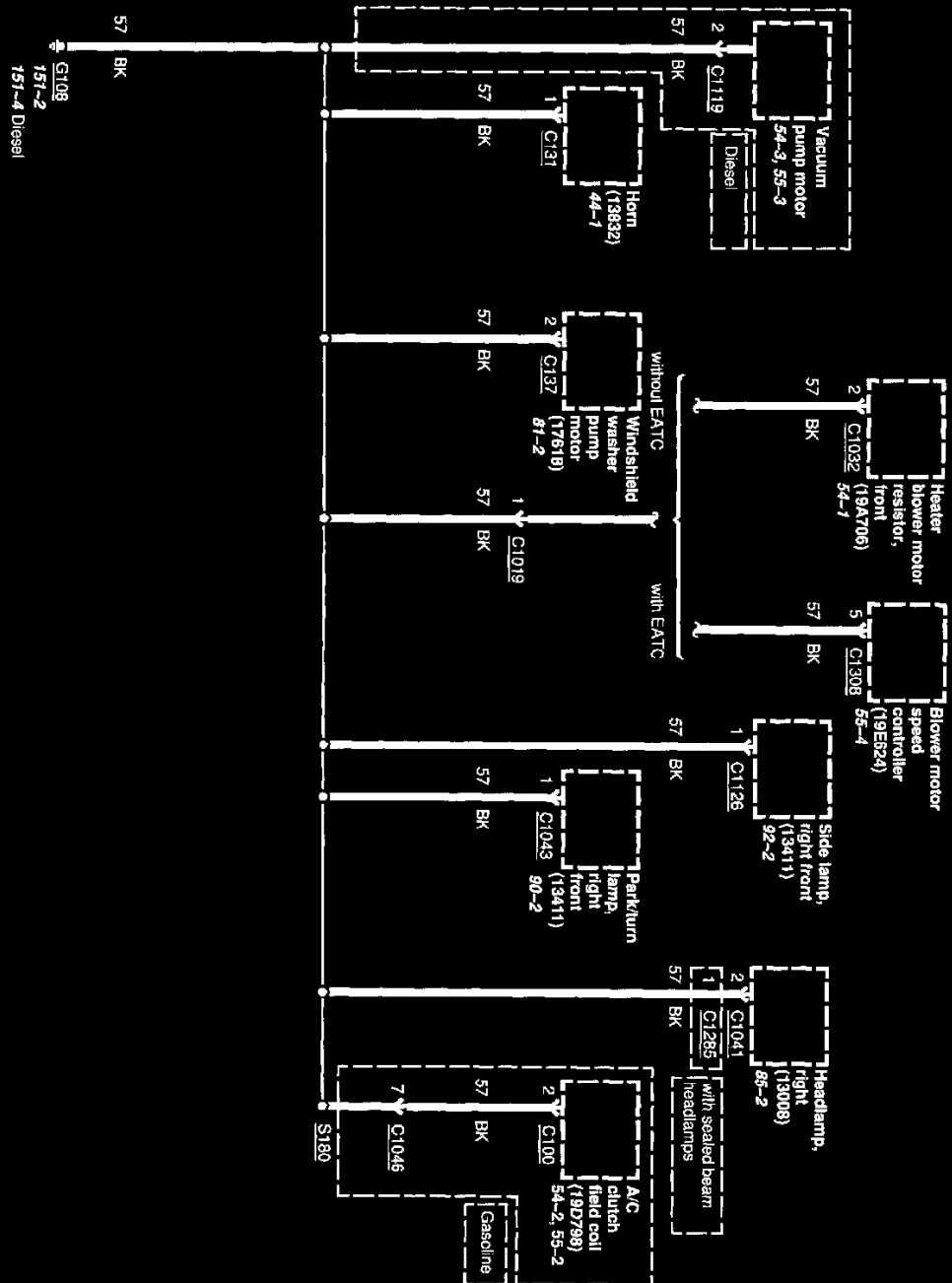




G102; Gasoline



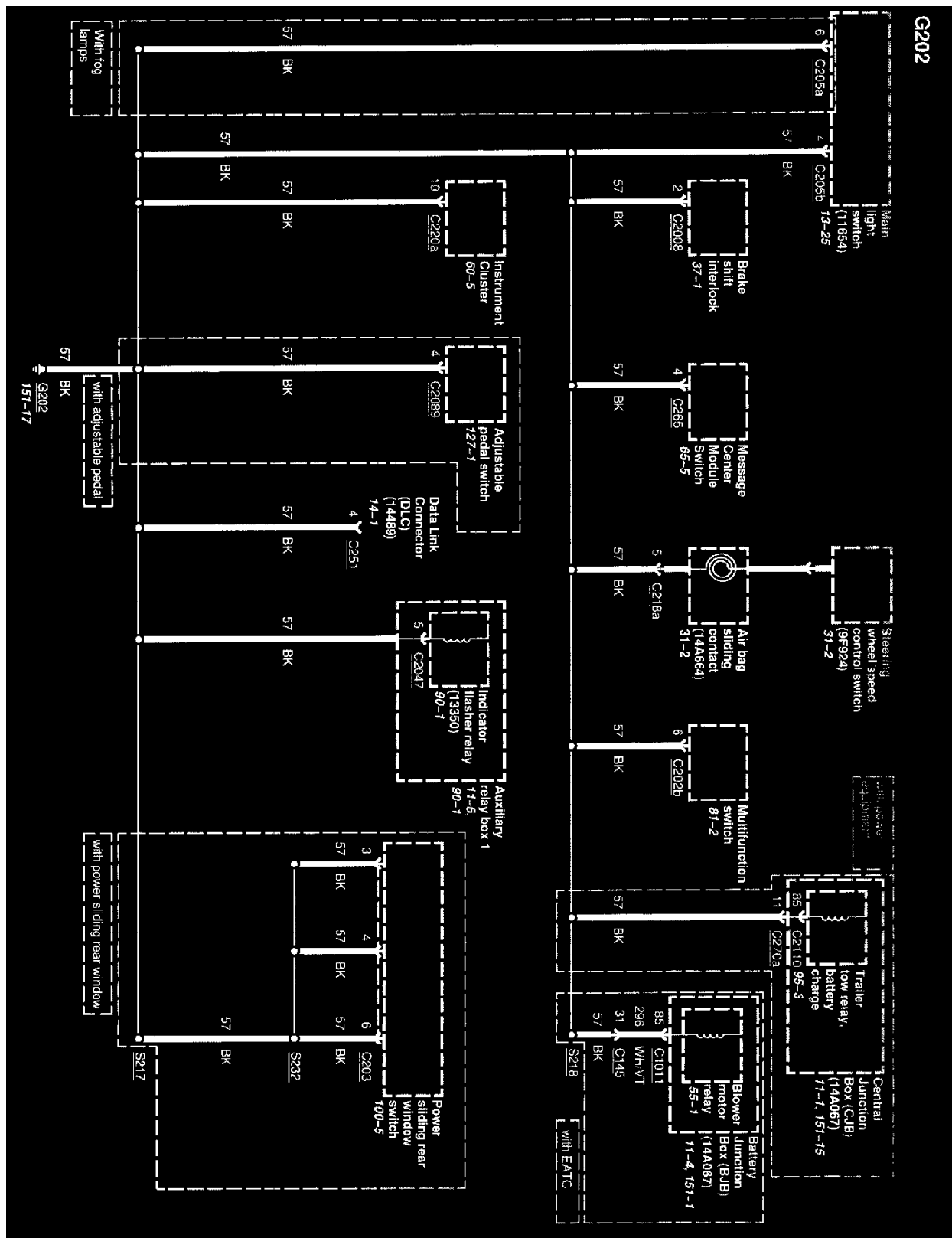
G108



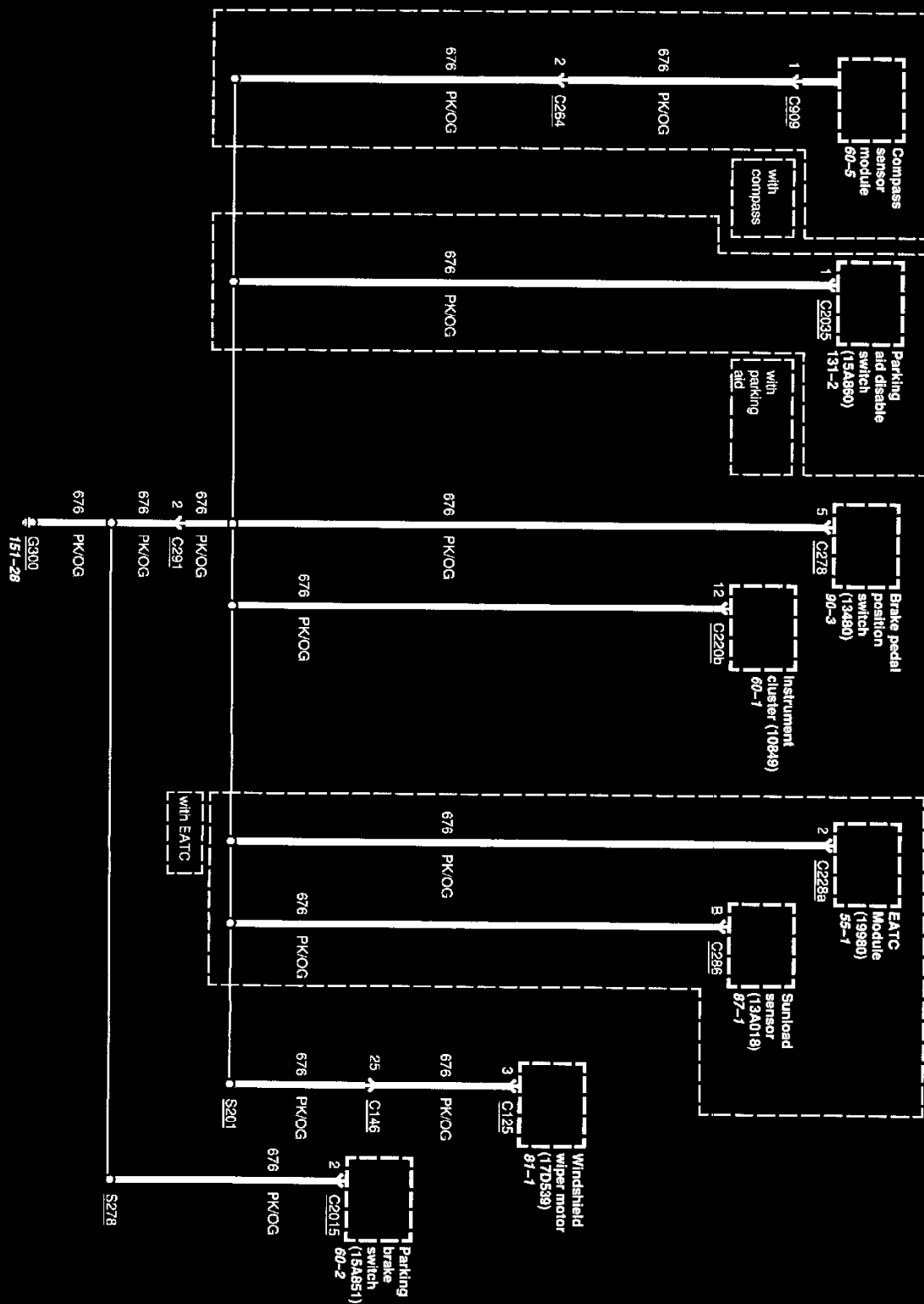


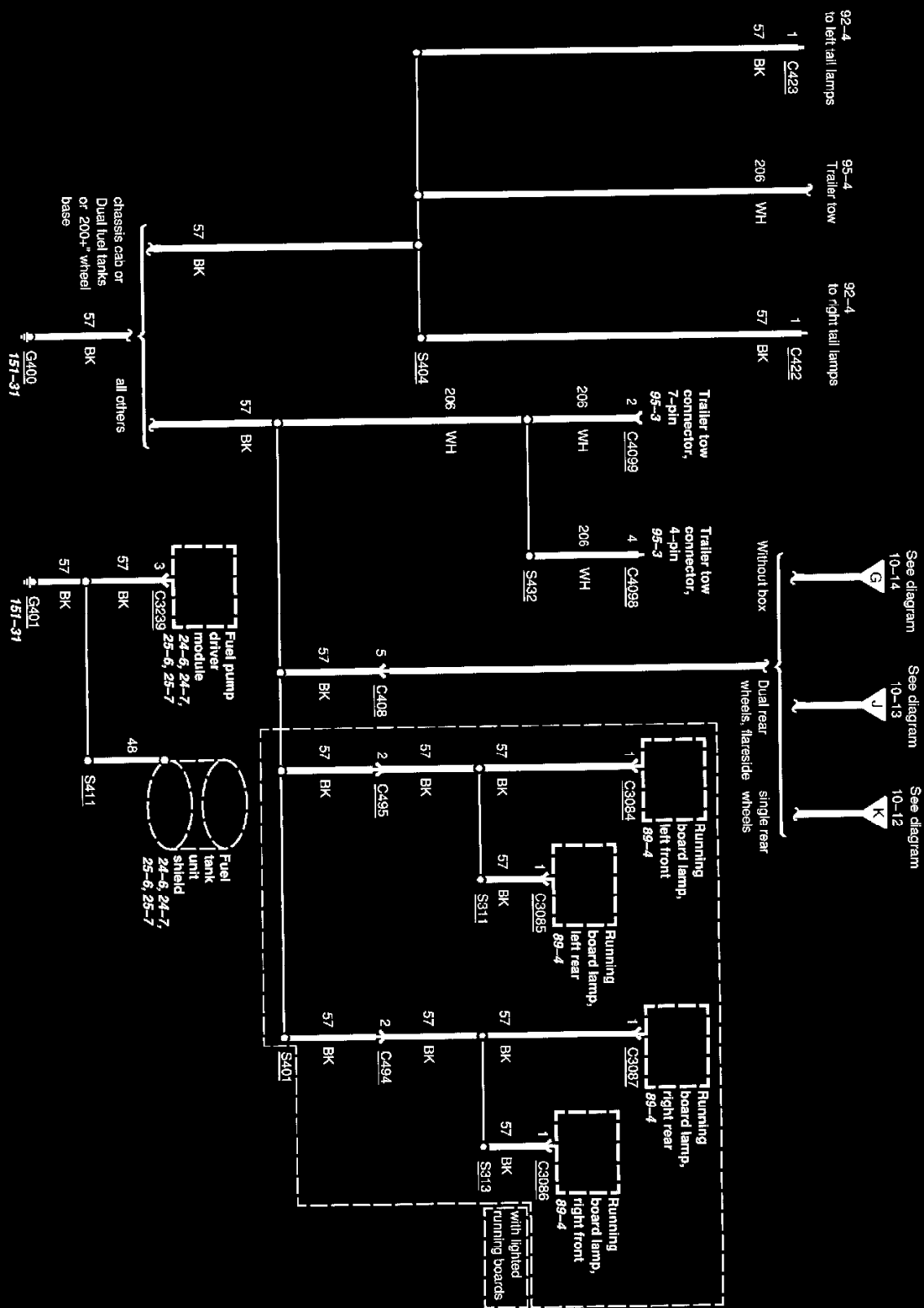


G202

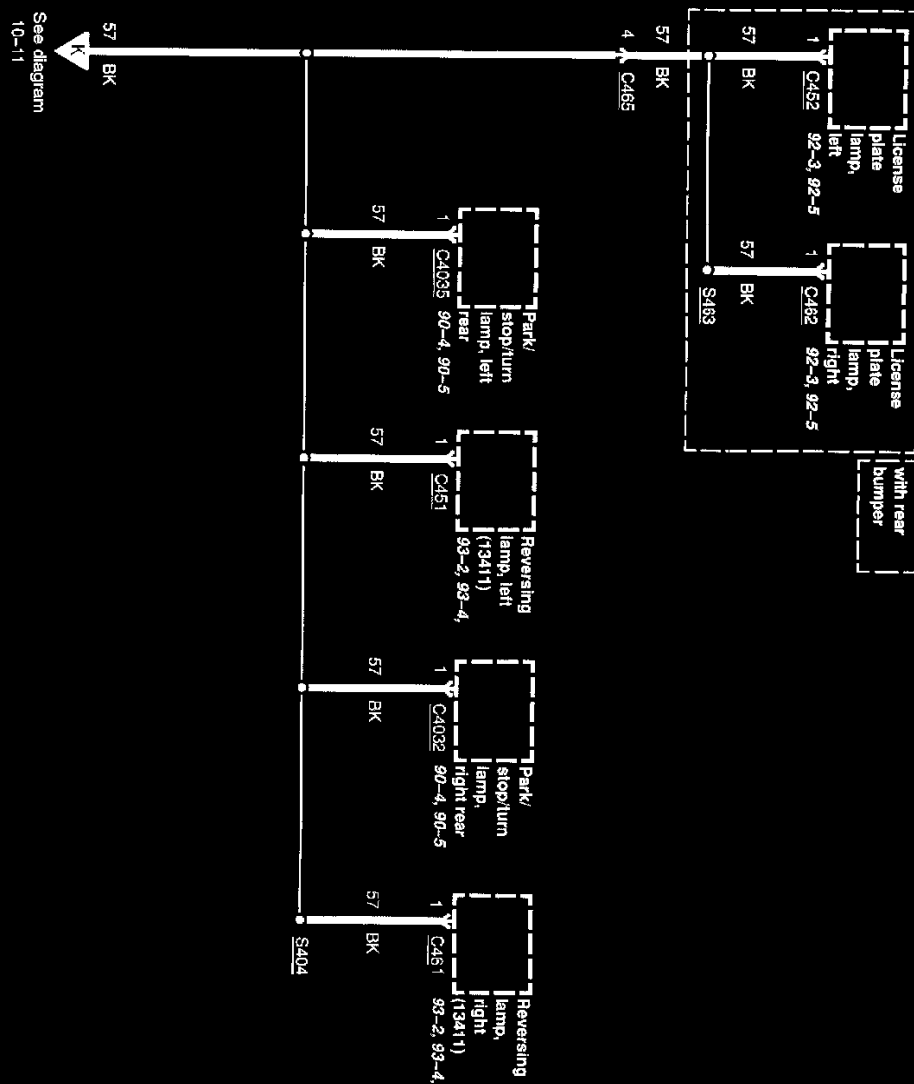


G300

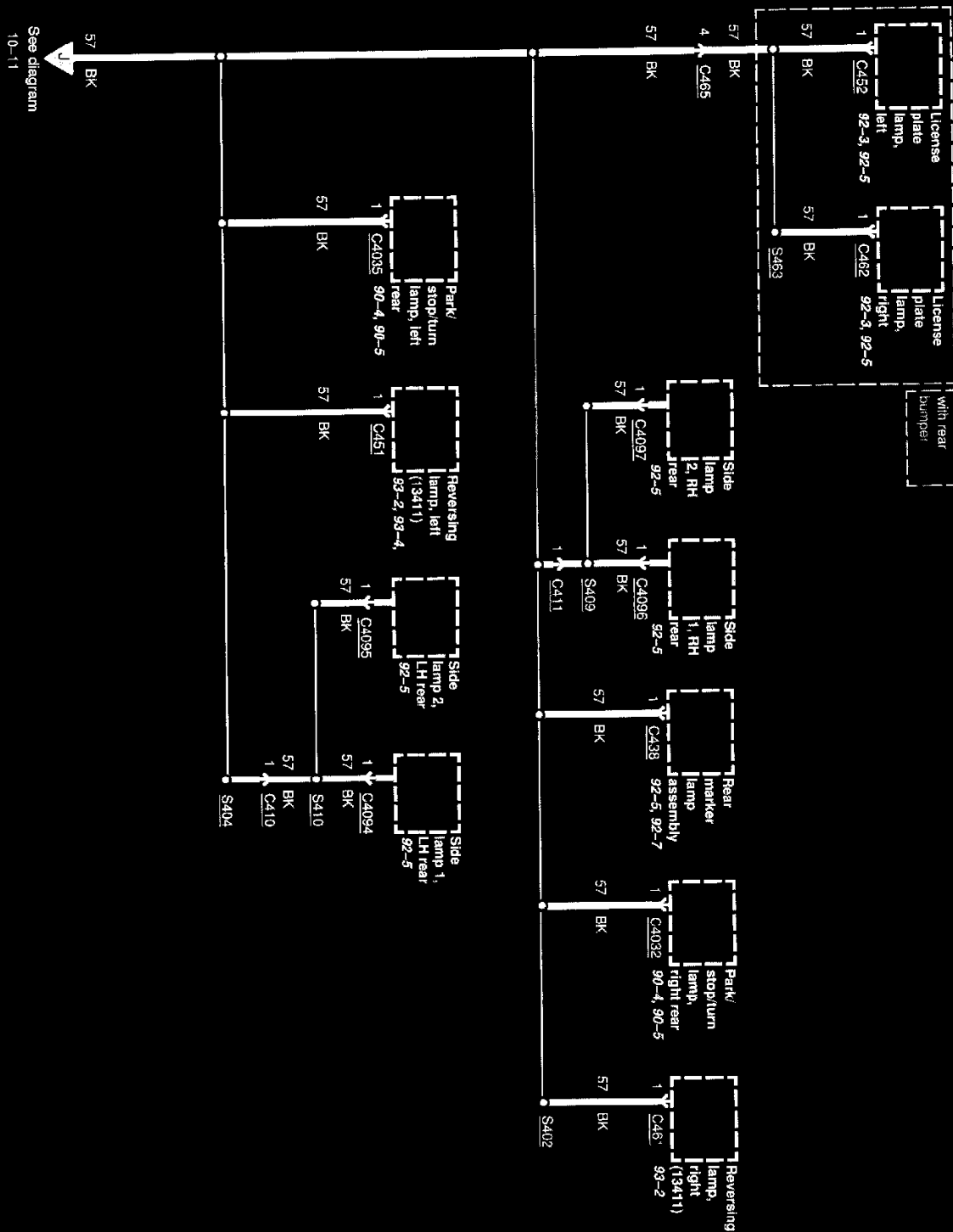


G400, G401

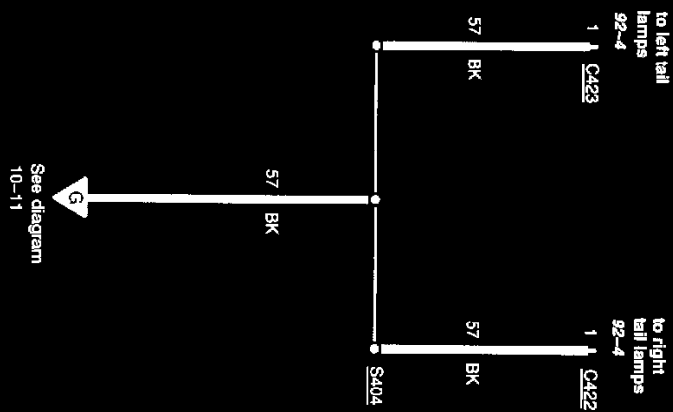
Single rear wheels - G400



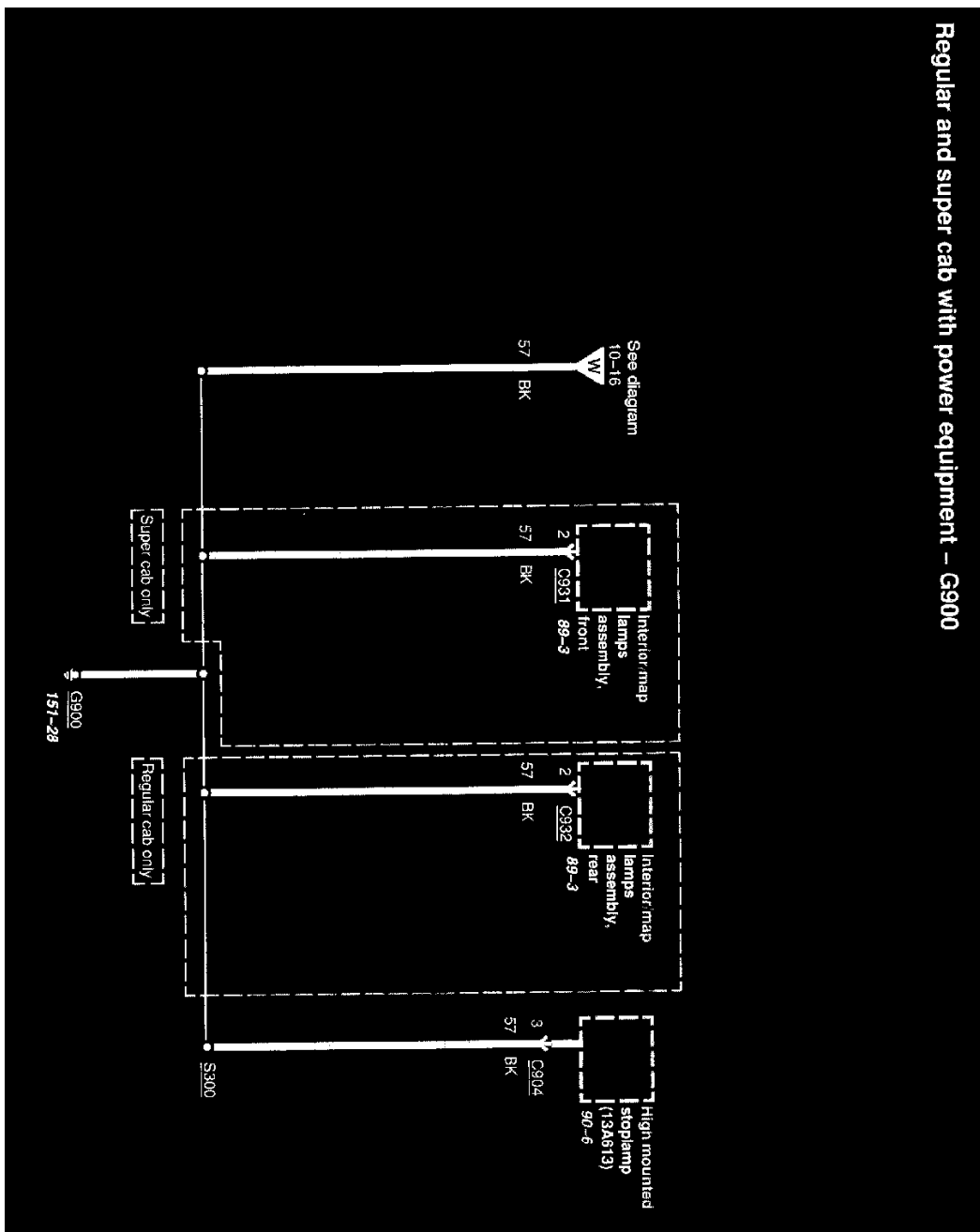
Dual rear wheels, flareside - G400



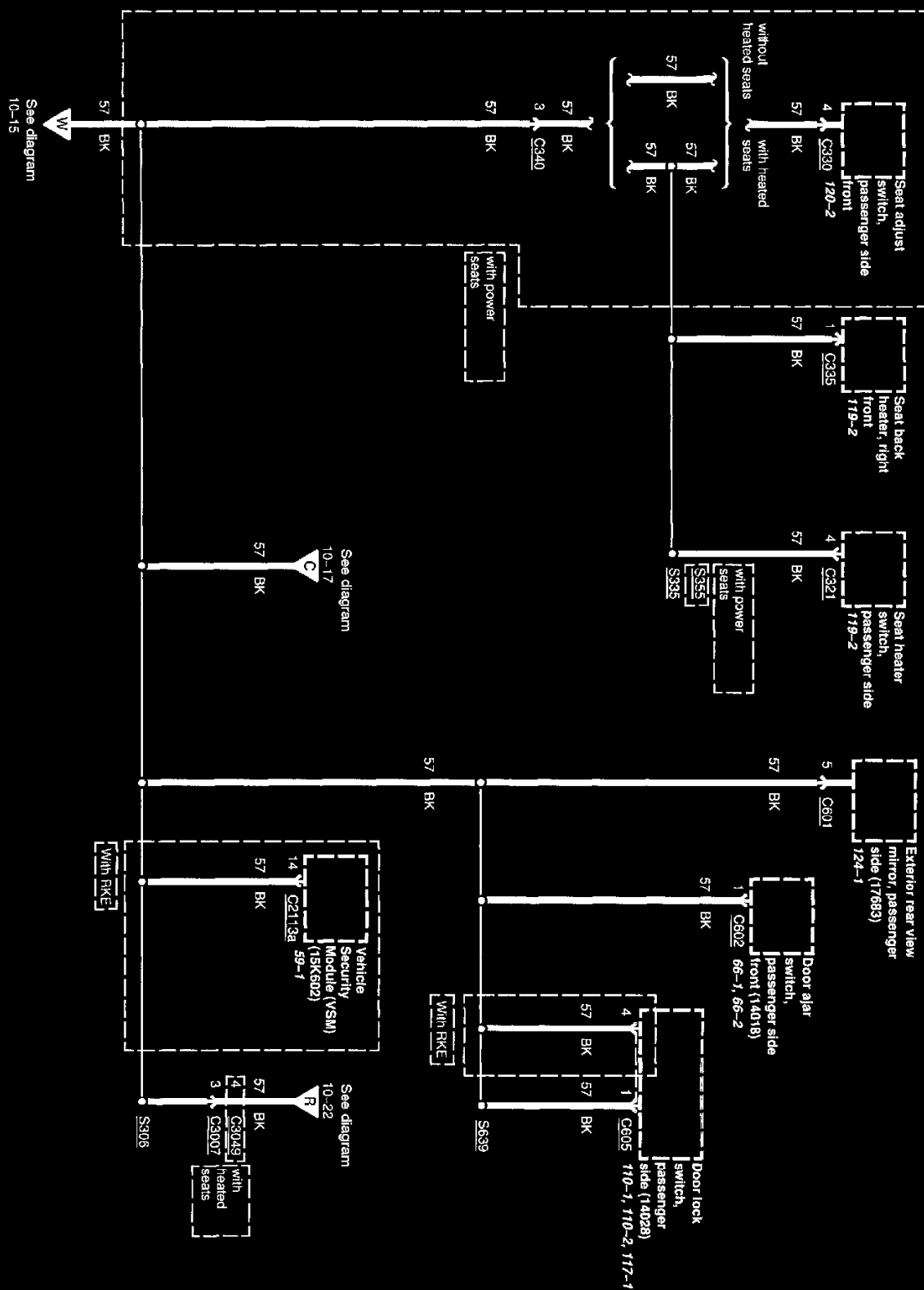
Without box - G400



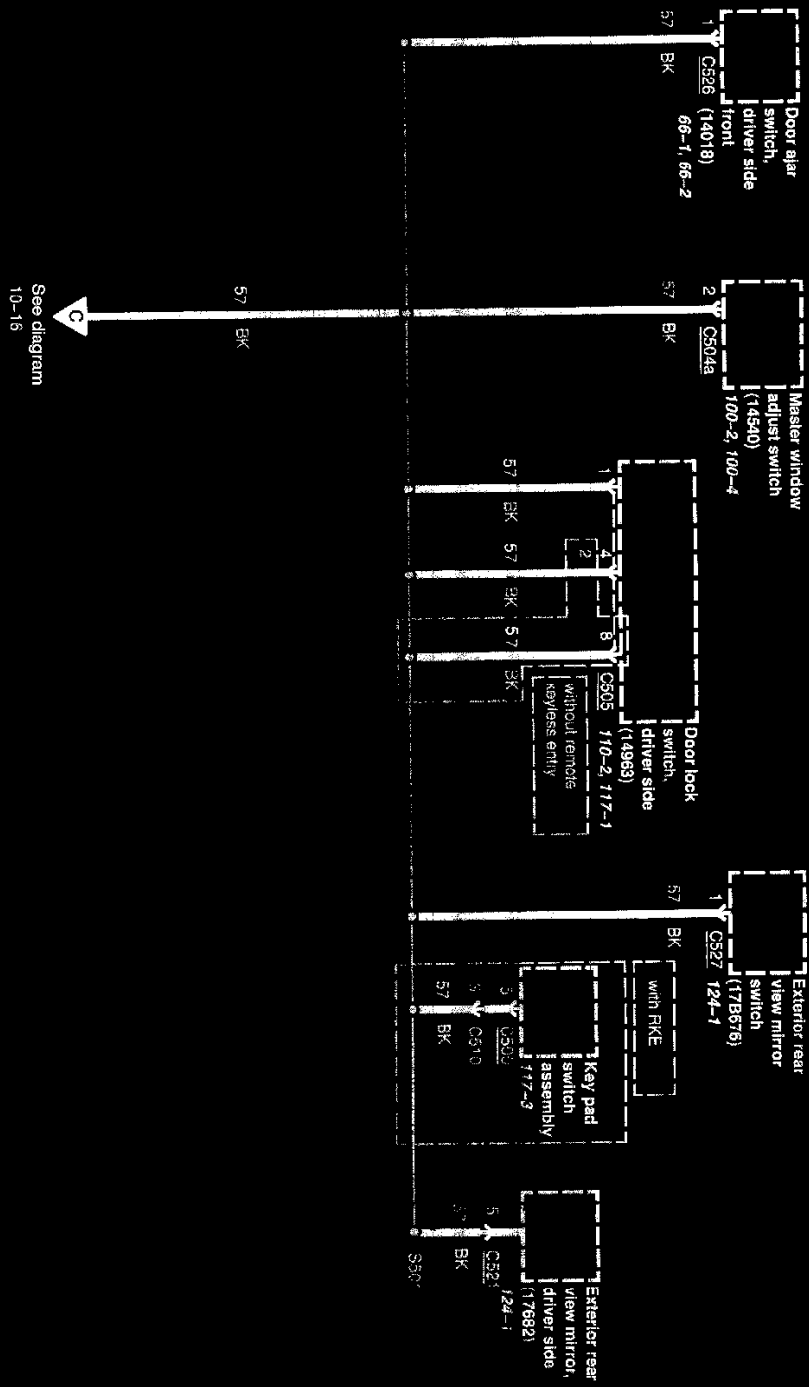
Regular and super cab with power equipment - G900



Regular and super cab with power equipment – G900



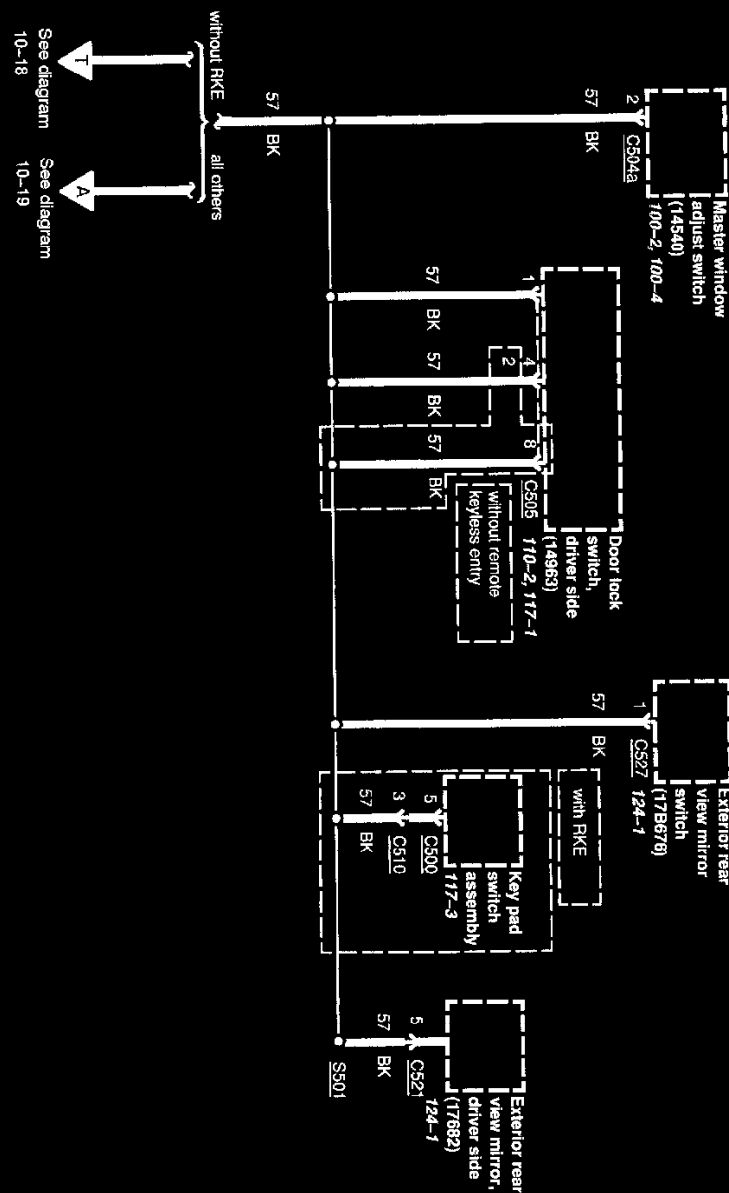
Regular and super cab with power equipment - G900



10-18

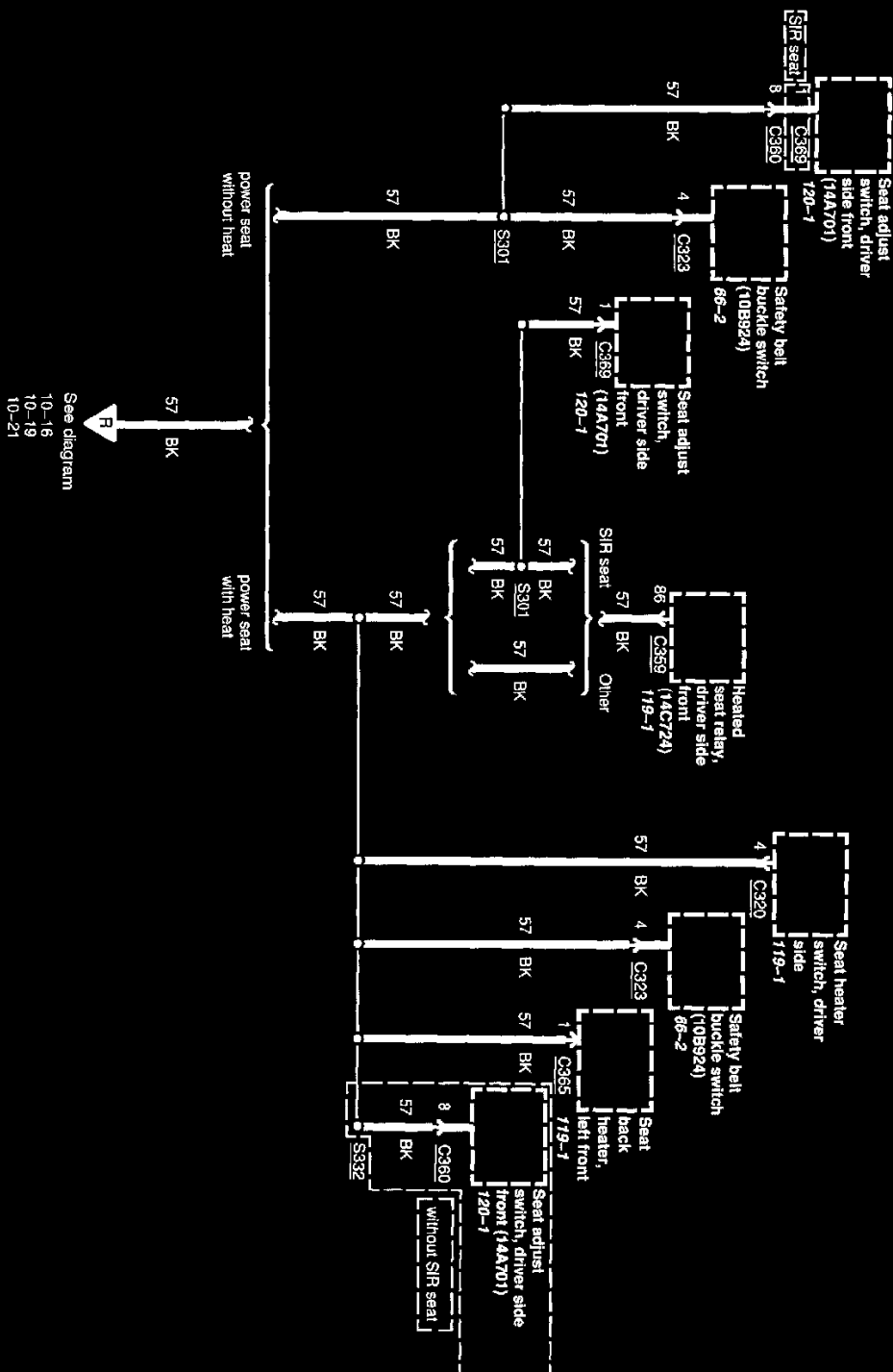
[illegible]

crew cab with power equipment - G900

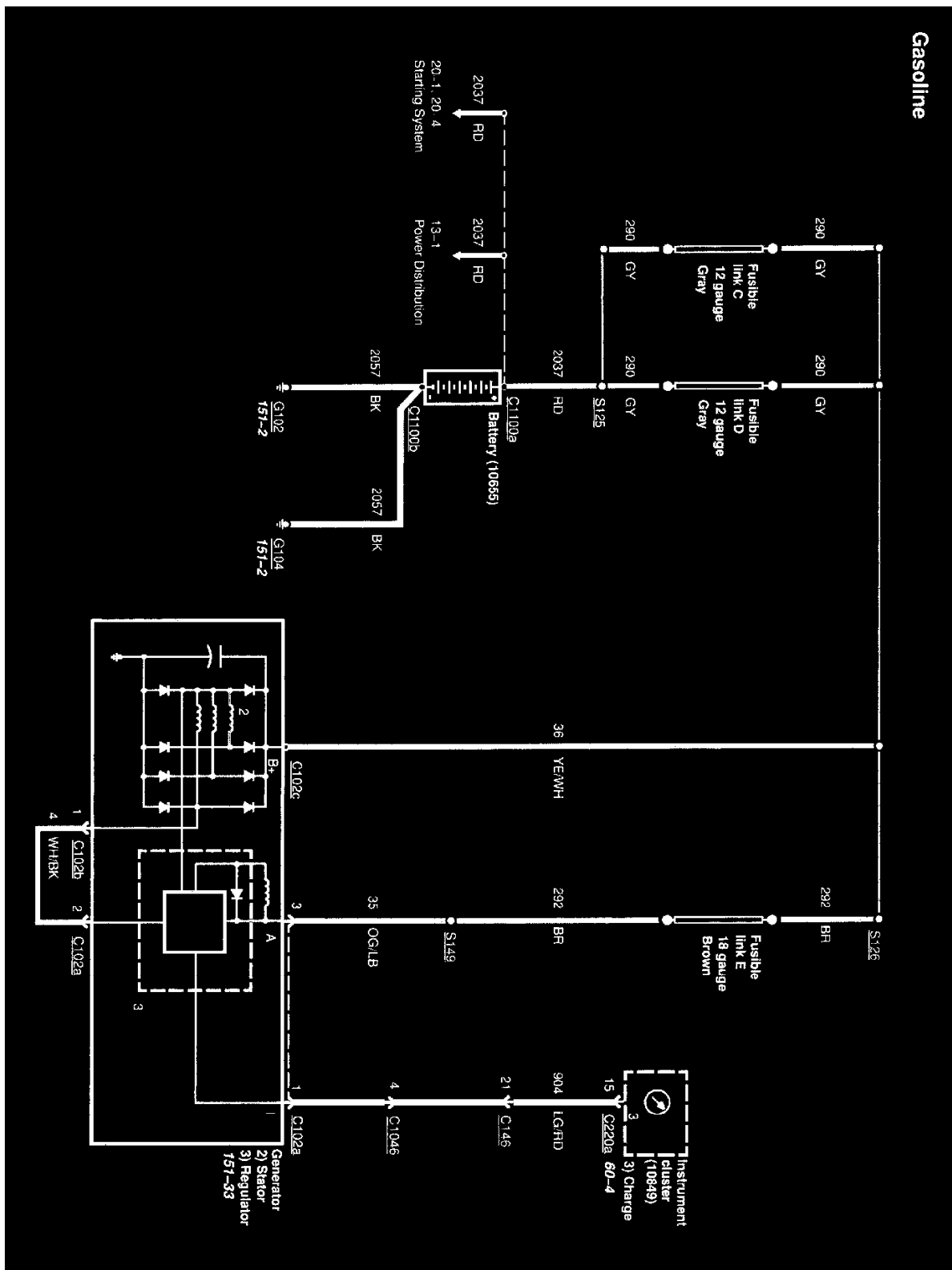


without power equipment – G900

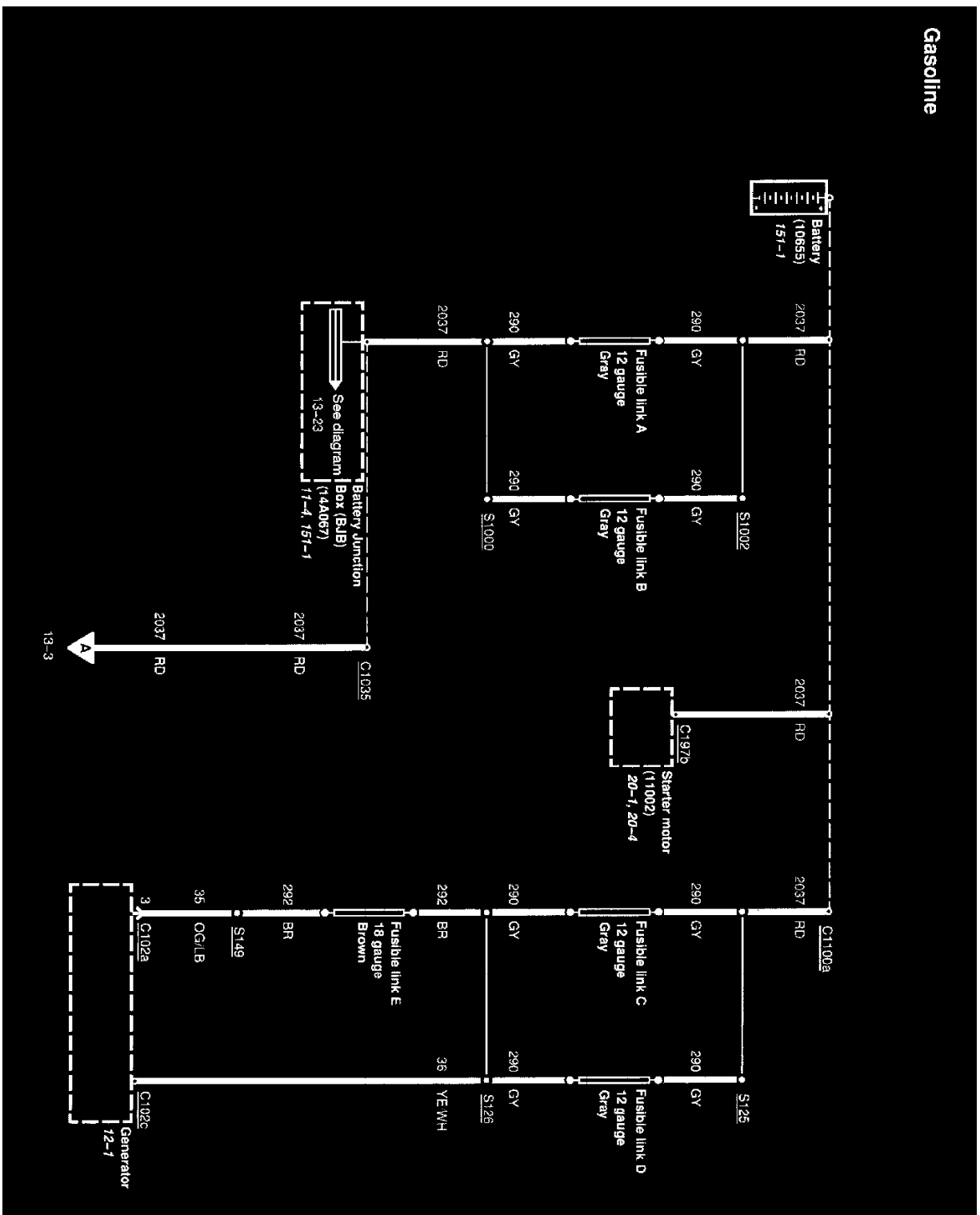
Driver Seat - G900



Gasoline

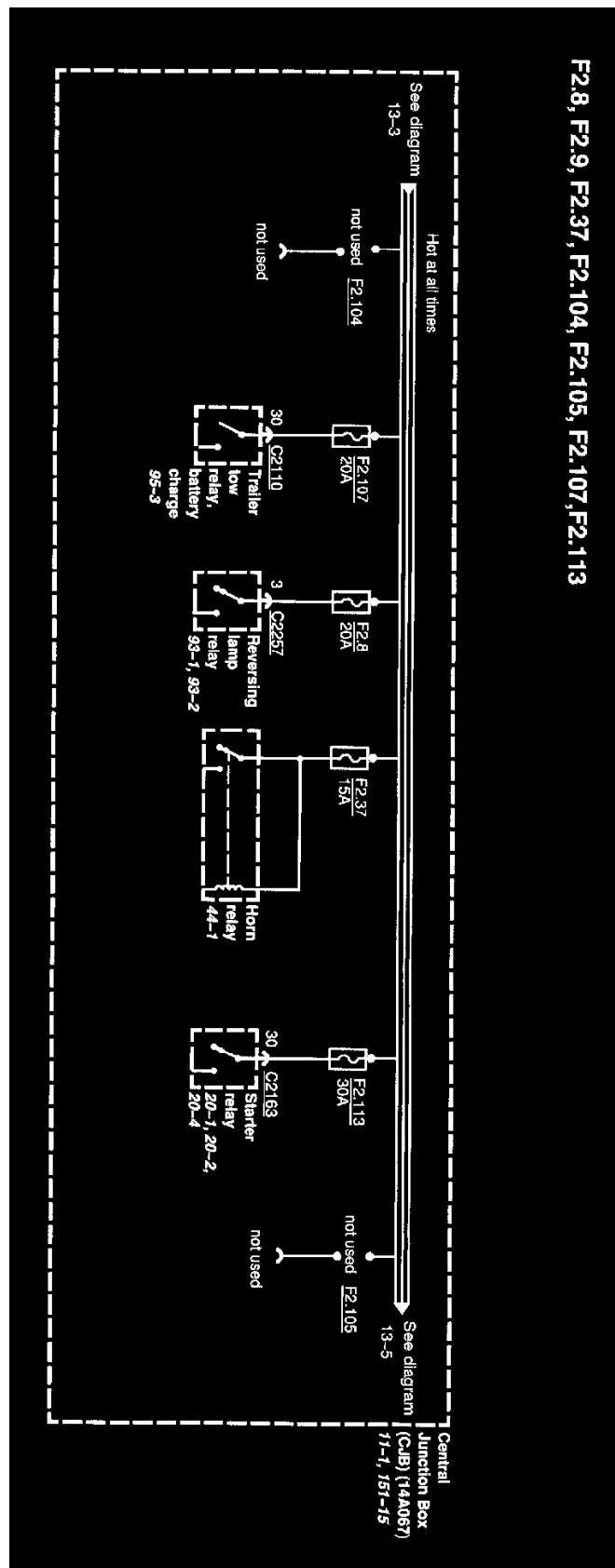


Gasoline

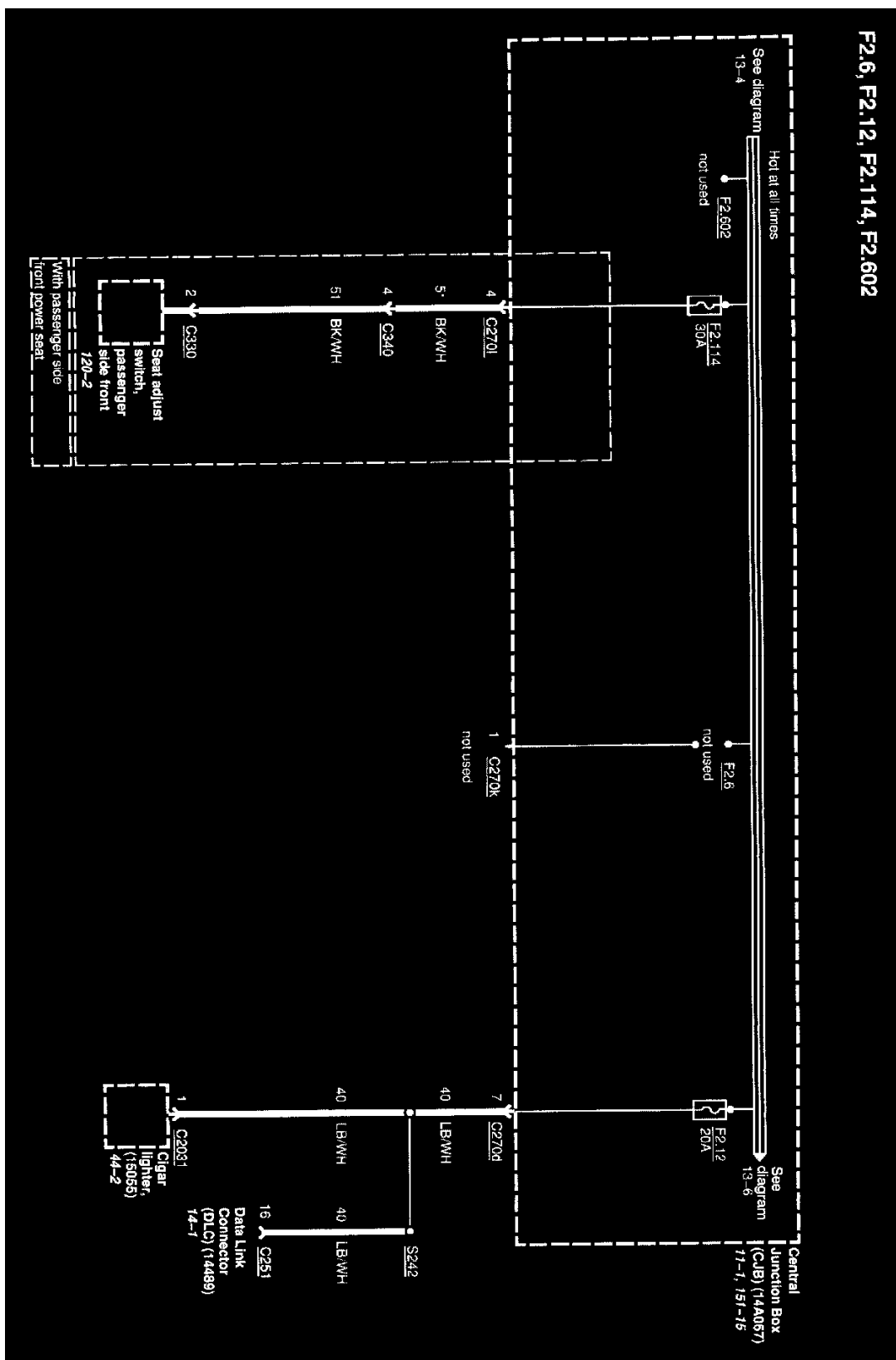


See diagram
13-1 Gasoline
13-2 Diesel
A
2037 RD

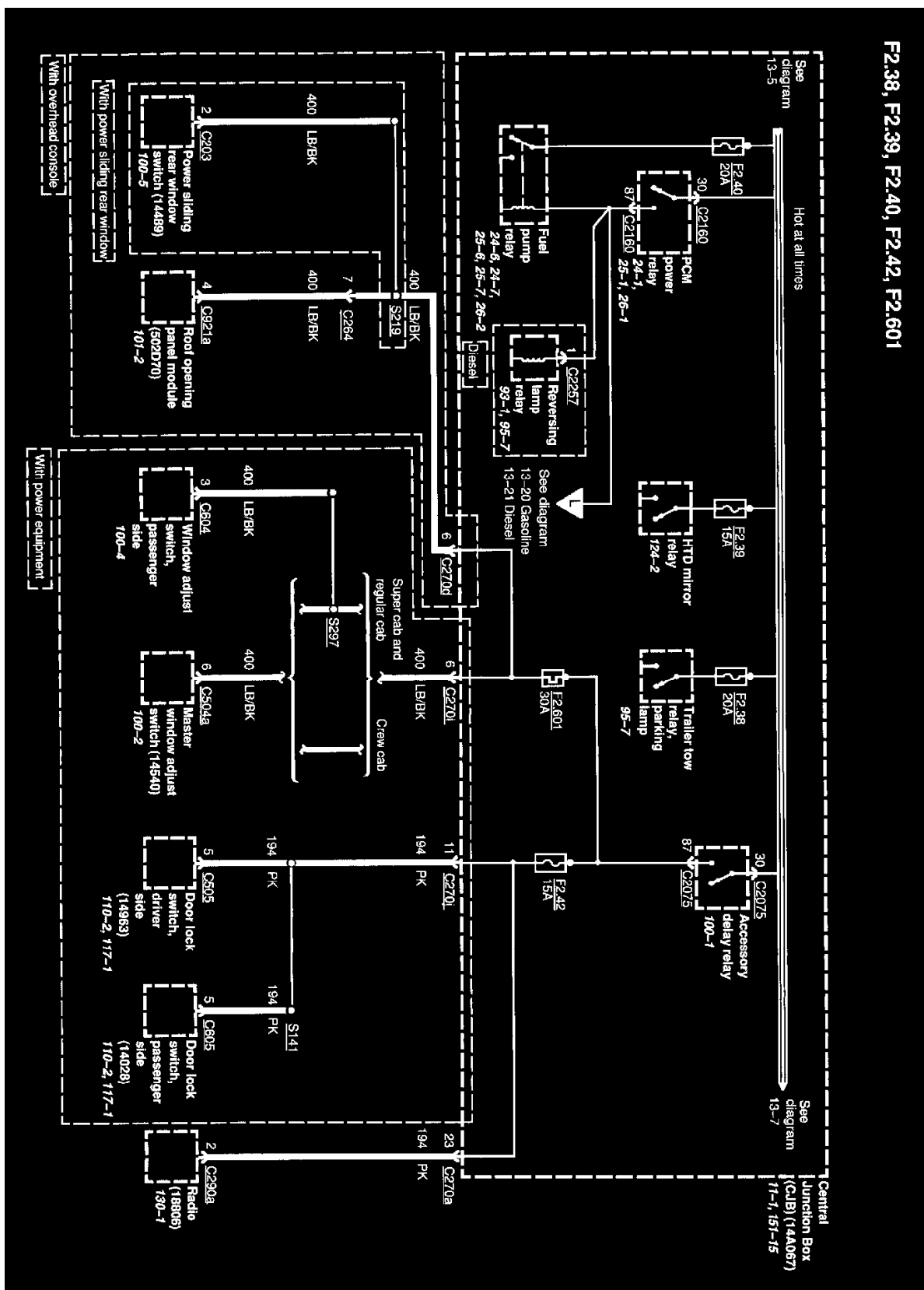


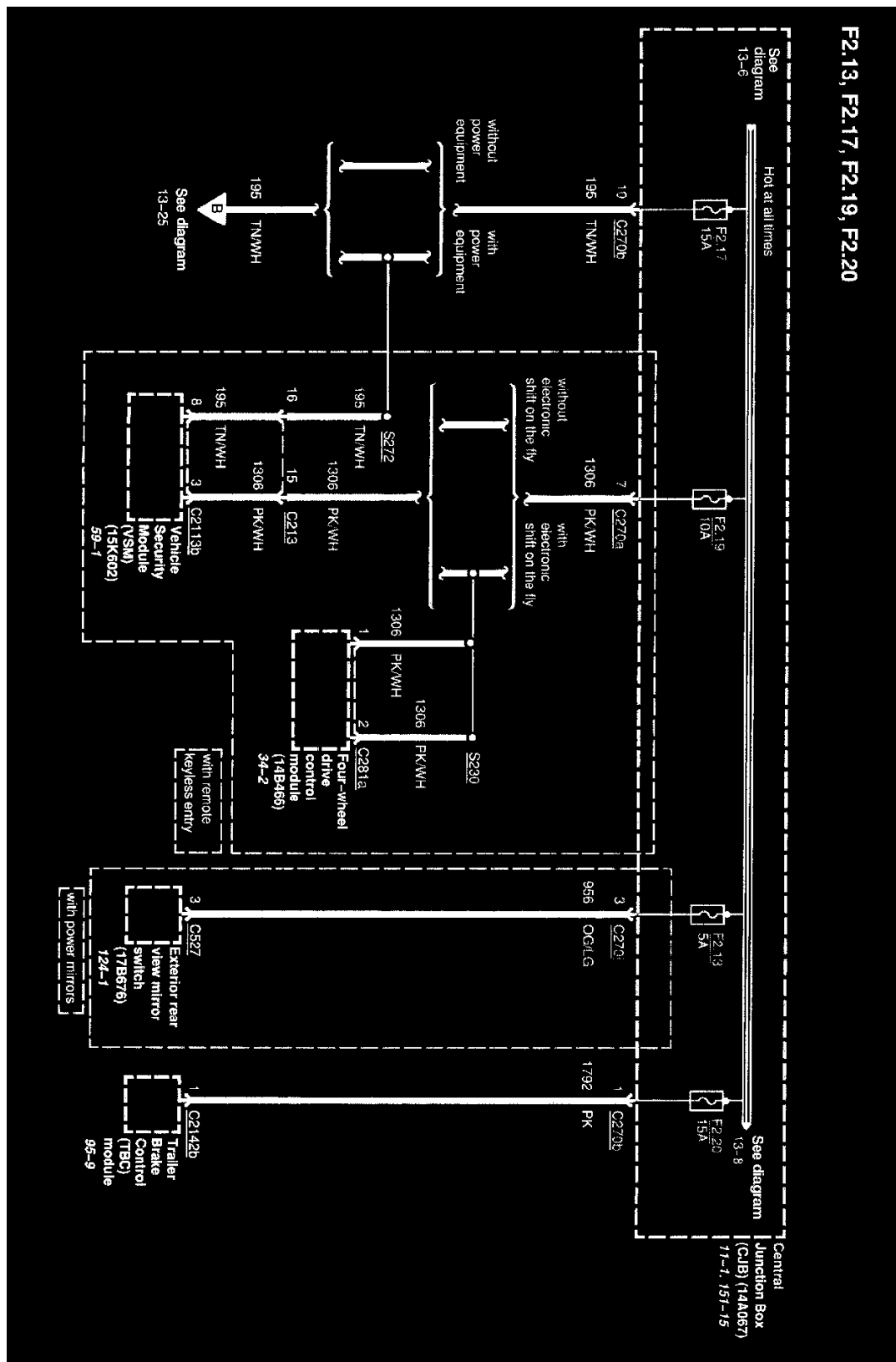
F2.8, F2.9, F2.37, F2.104, F2.105, F2.107, F2.113

F2.6, F2.12, F2.114, F2.602



F2.38, F2.39, F2.40, F2.42, F2.601



F2.13, F2.17, F2.19, F2.20

See dia. 13-7

See dia. 13-10

See diagram

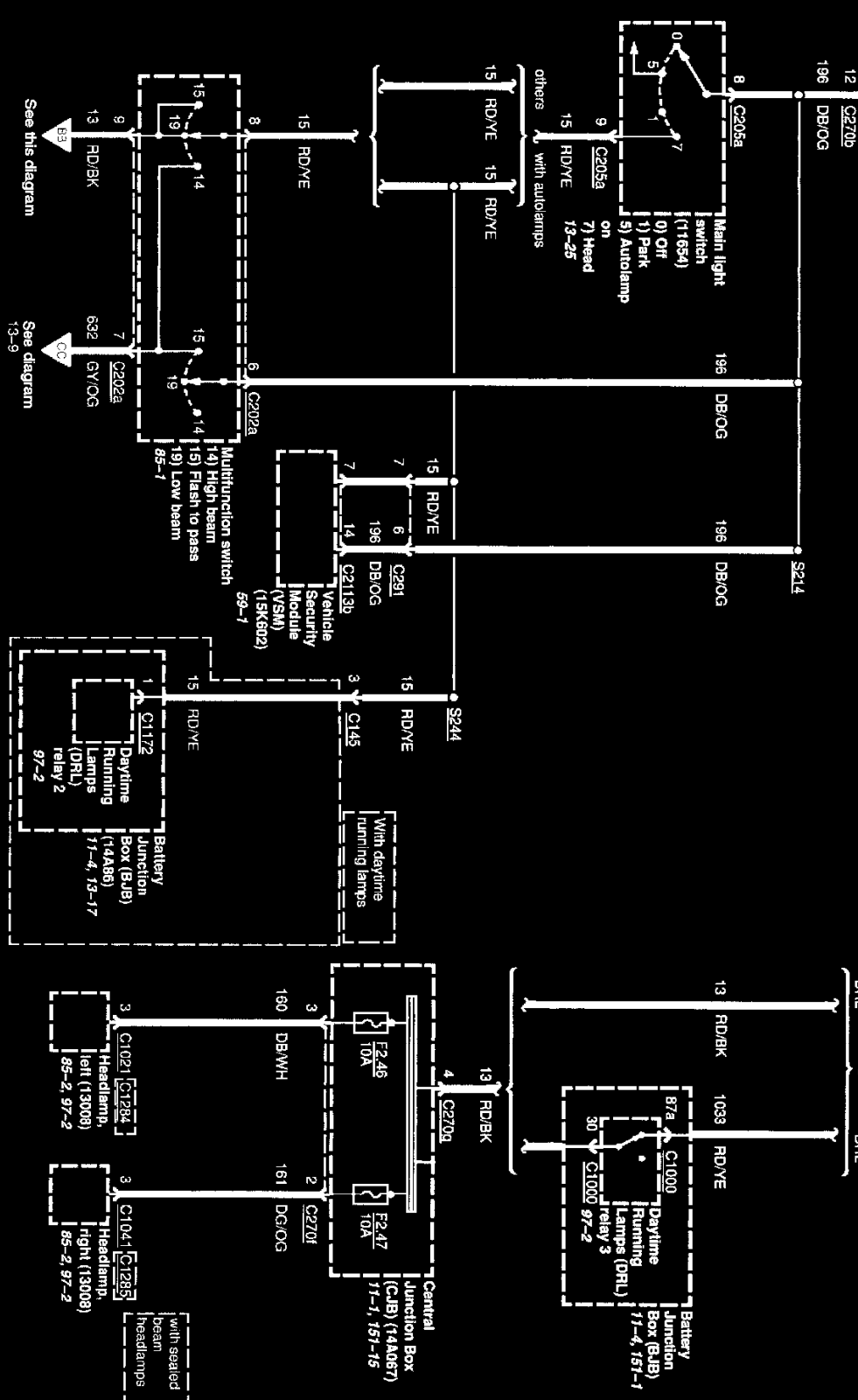
See at all times

See

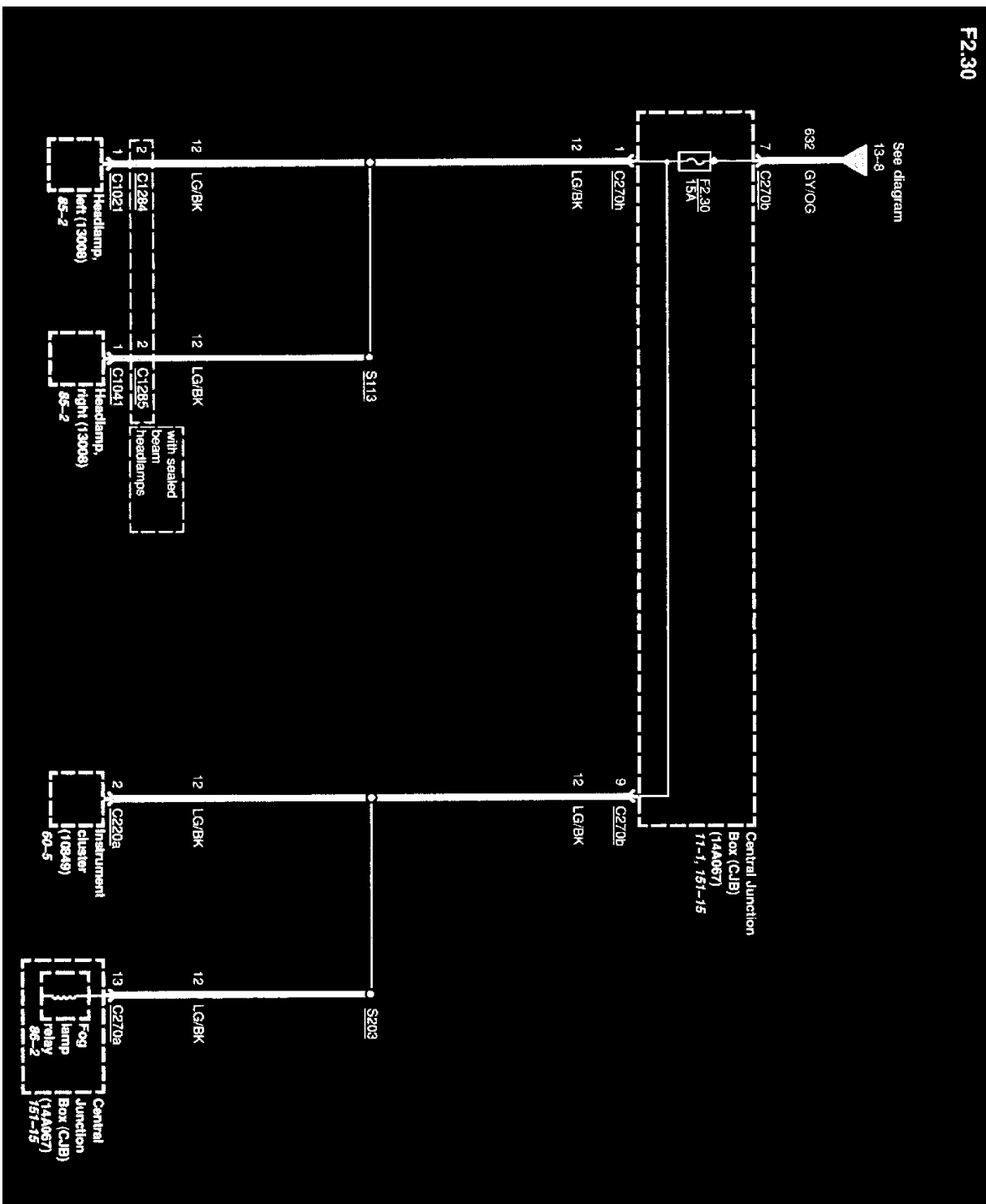
Central Junction Box

(CJB) (14A057)

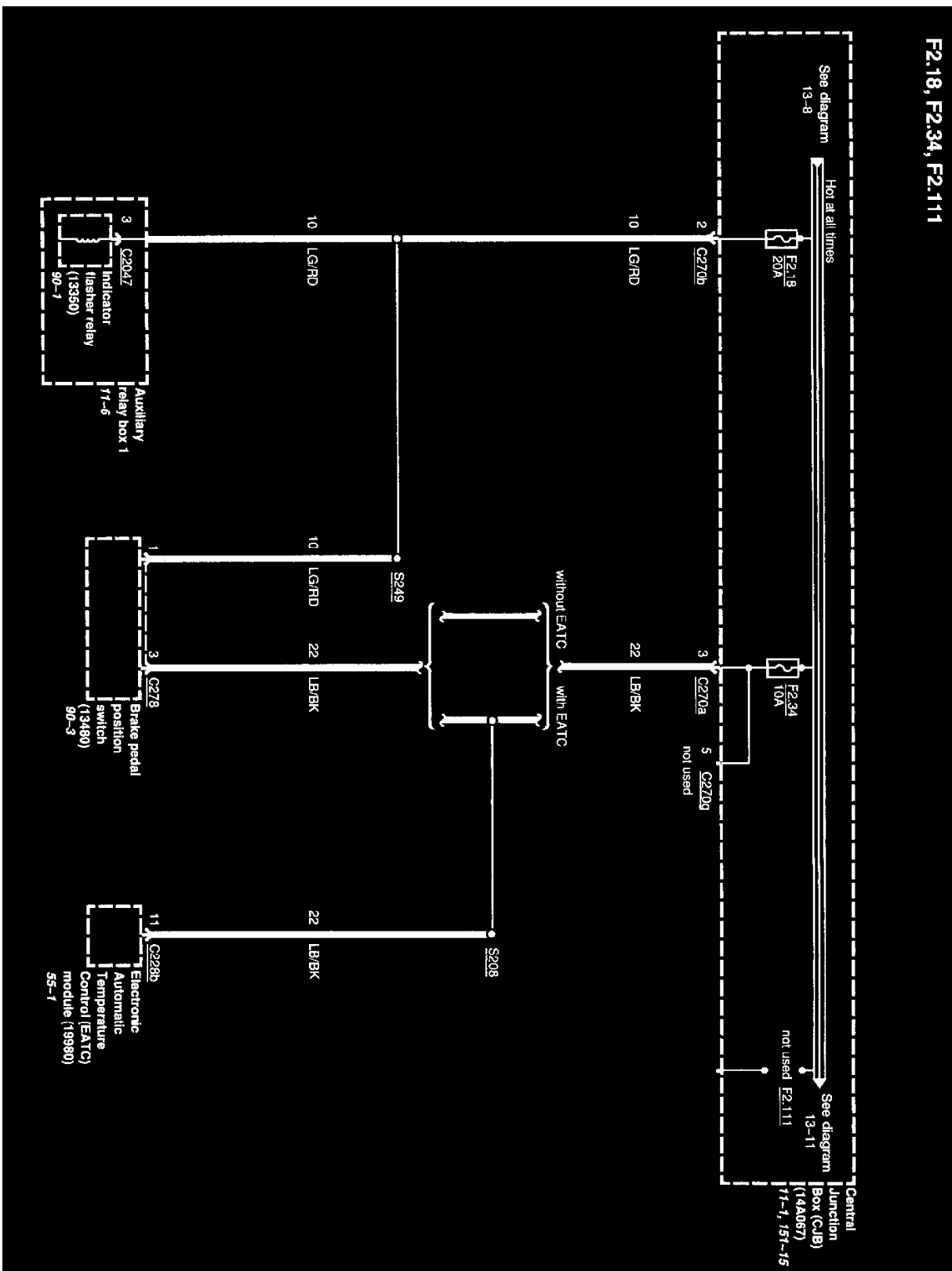
11-4, 151-15



F2.30



F2.18, F2.34, F2.111



F2.14, F2.35, F2.36, F2.41, F2.101, F2.102, F2.106, F2.112



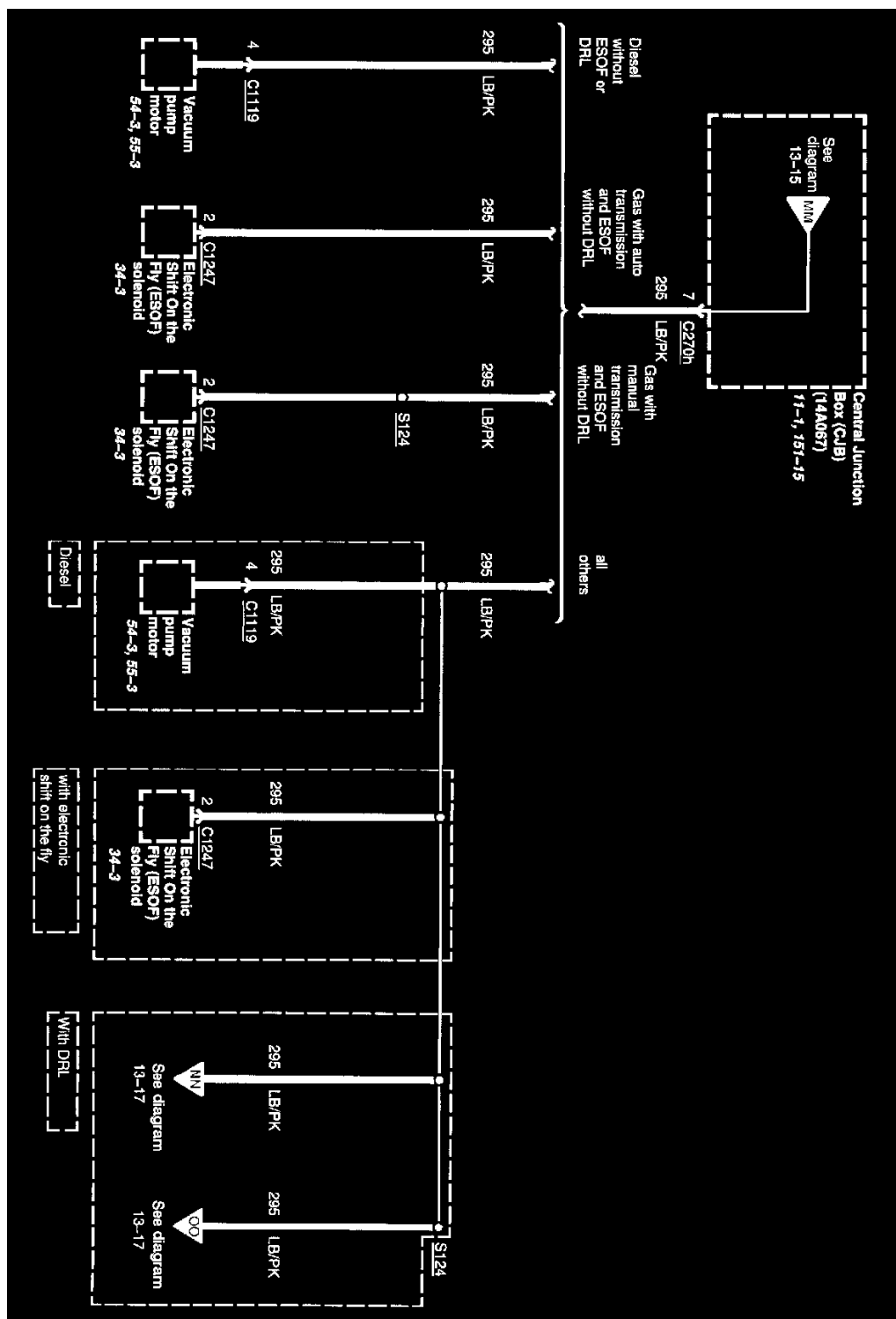
13-13

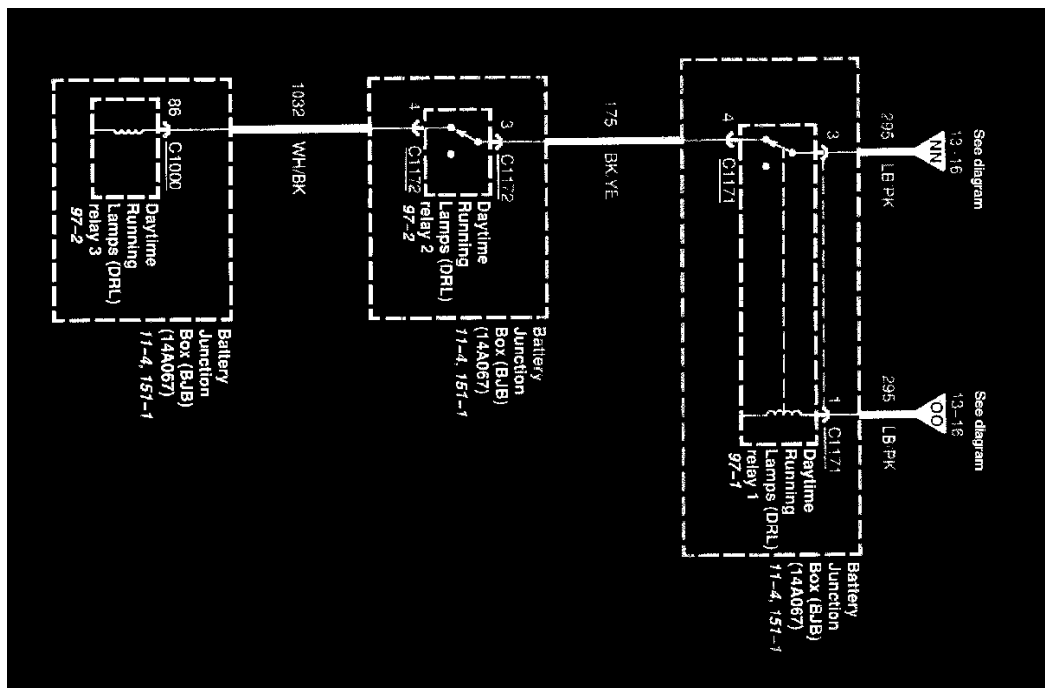
See diagram



See diagram
13-12







13-17

See diagram
13-12



[illegible]

[illegible]





See diagram

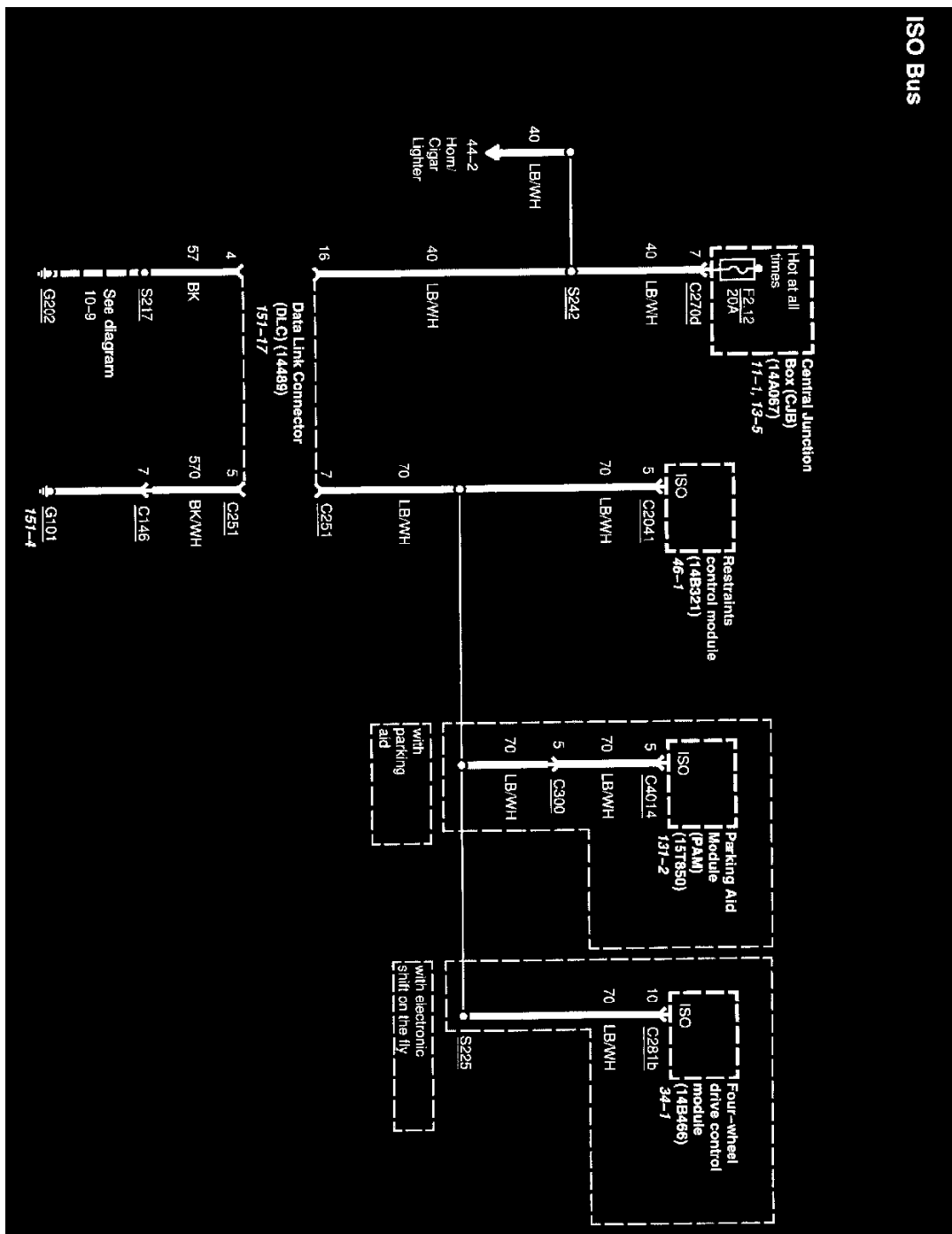


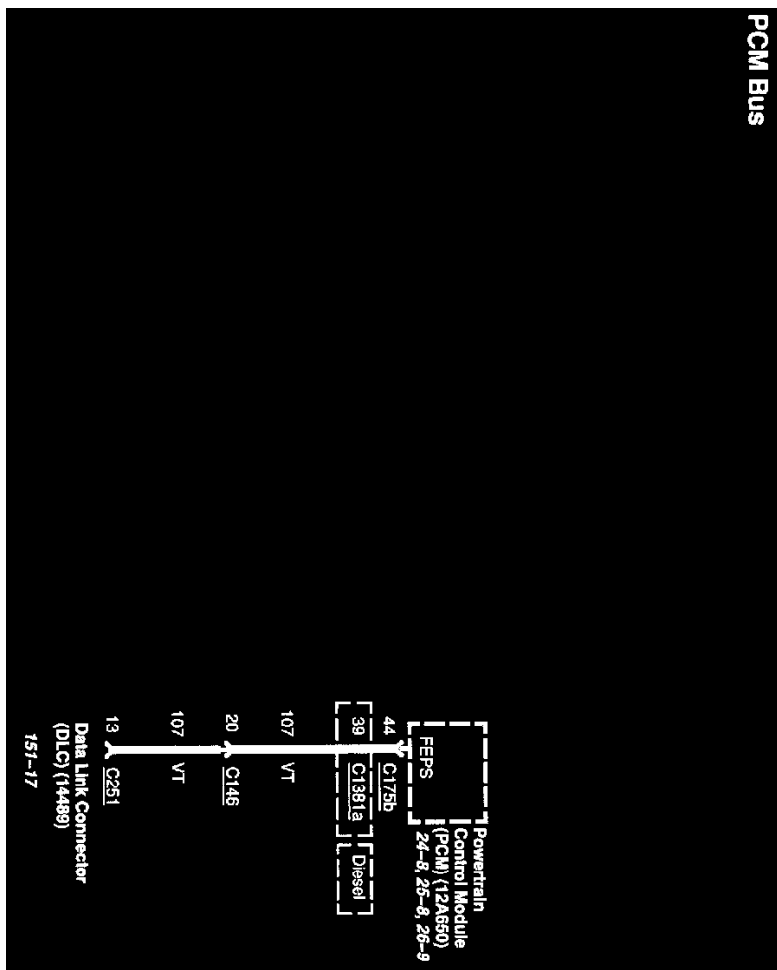


The diagram illustrates the electrical wiring for the Central Junction Box (CJB) of a 140-2 aircraft. It shows the following components and connections:

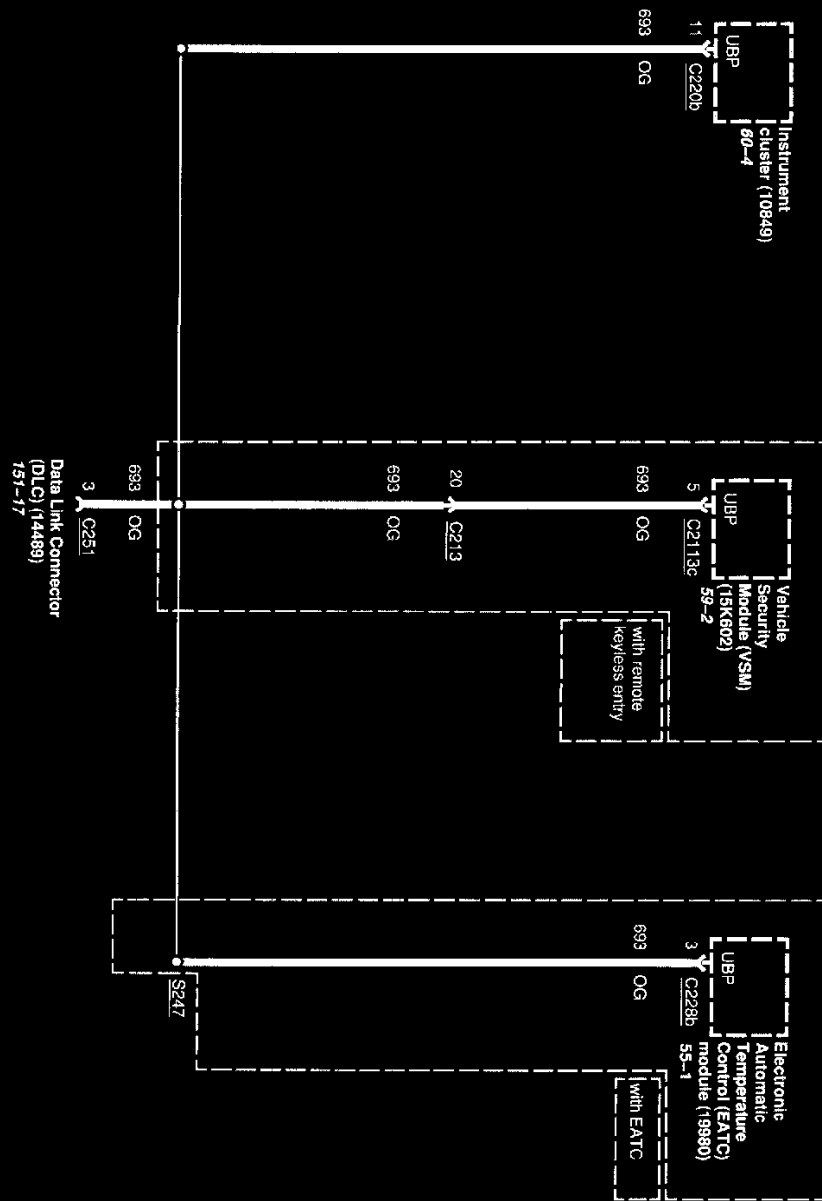
- Main light switch (11654) 13-25**: Connected to terminal 1.
- Illumination**: Connected to terminal 1.
- See diagram 71-1**: Connected to terminal 1.
- See diagram 5216**: Connected to terminal 1.
- LB/RD**: Connected to terminal 19.
- LB/RD**: Connected to terminal 8.
- WHAVT**: Connected to terminal 296.
- Upfitter switch 140-2**: Connected to terminal 8.
- Hot at all times**: Connected to terminal 30.
- Upfitter relay #1 140-2**: Connected to terminal 30.
- Upfitter relay #2 140-2**: Connected to terminal 30.
- Upfitter relay #3 140-2**: Connected to terminal 30.
- Upfitter relay #4 140-2**: Connected to terminal 30.
- Upfitter relay box (14A453) 11-6, 140-2**: Connected to terminal 30.
- Central Junction Box (CJB) (14A067) 11-1, 151-15**: Connected to terminal 30.
- Resistors**: F2.115 (20A), F2.108 (30A), F2.109 (30A), F2.3 (10A), F2.5 (10A).
- Capacitors**: C258, C238, C2301, C2302, C2303, C2304.
- Labels**: "not used" for terminals 8, 6, 4, and 2.

ISO Bus



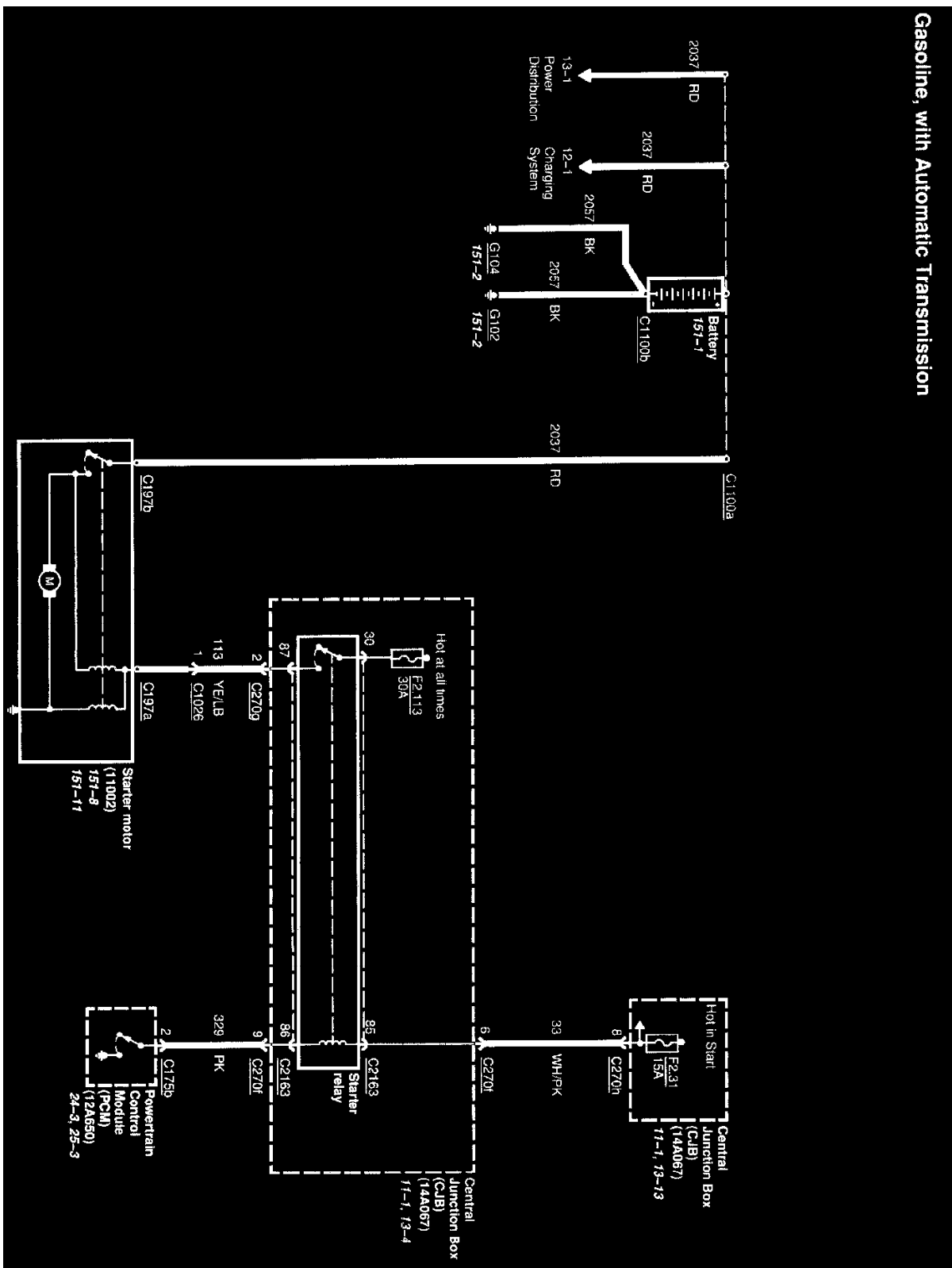


UBP Bus



14-4

Gasoline, with Automatic Transmission



Gasoline, Manual Transmission

2037 RD 2037 RD

13-1 Power Distribution

12-1 Charging System

Battery (1055) 151-1

BK 2057 BK 2057

G102 151-2 G104 151-2

C1100a

RD 2037

C197b

C197a

Starter motor (11002) 151-8 151-10

Hot at all times F2.113 30A

87 2 C270g 113 YE/LB 1 C1026

30 85 86 C2163 Starter relay

9 C270f 329 PK 2 C175b

Hot in Start Central Junction Box (CJB) (14A067) 11-1, 13-13

F2.31 15A

8 C270h 33 WH/PK 6 C270l

Central Junction Box (CJB) (14A067) 11-1, 13-4, 13-22

BT TT

34 92 306 4 C257

32 306 4 C257

34 92 306 4 C257

6 570 3 BK/WH 570 3 BK/WH

1) Clutch pedal deactivate switch

2) Clutch pedal starter interlock switch

151-16

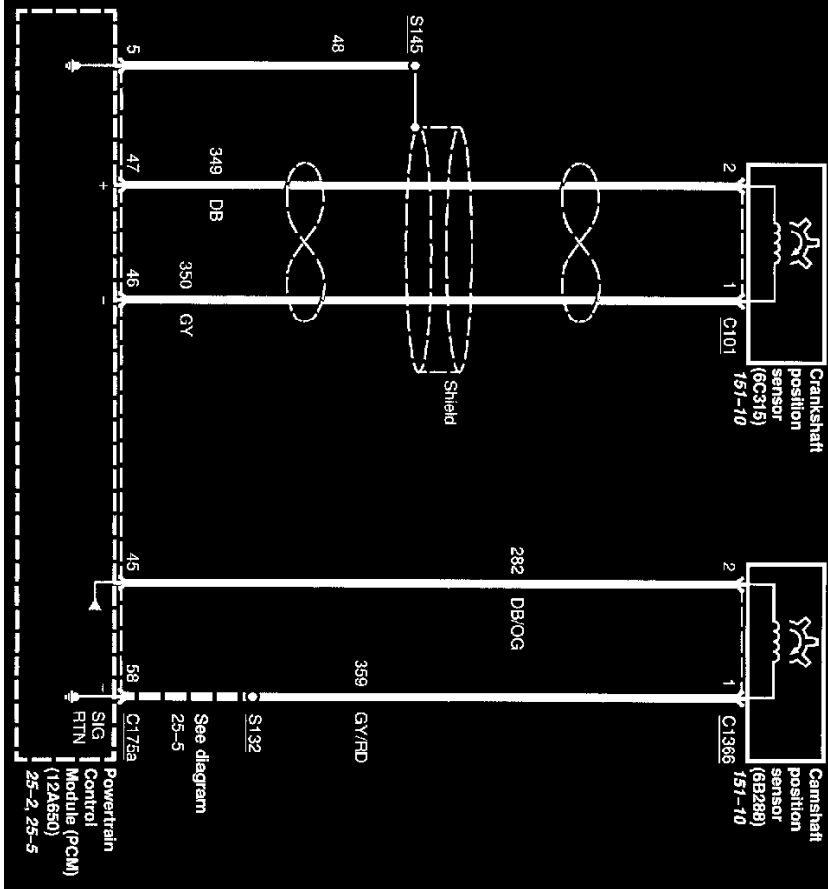
S106

See diagram 10-5

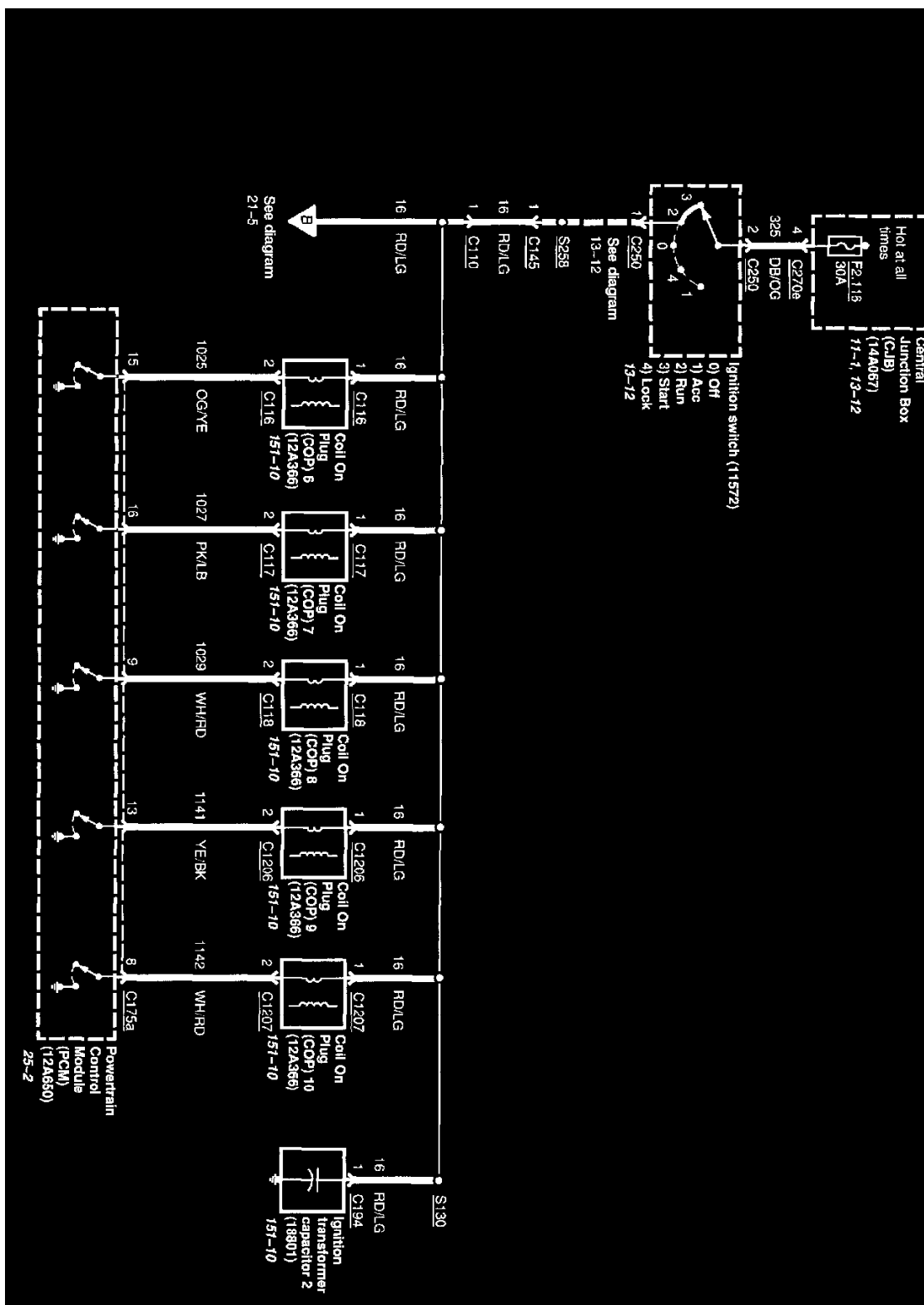
G102

Powertrain Control Module (PCM) (12A650) 24-3, 24-8, 25-3, 25-8

6.8L



6.8L



See diagram
21-4



24-1

Solenoid actuated valve. As solenoid is energized (pulsed), fuel passes through injector into engine. The longer the pulse, the greater the fuel amount.



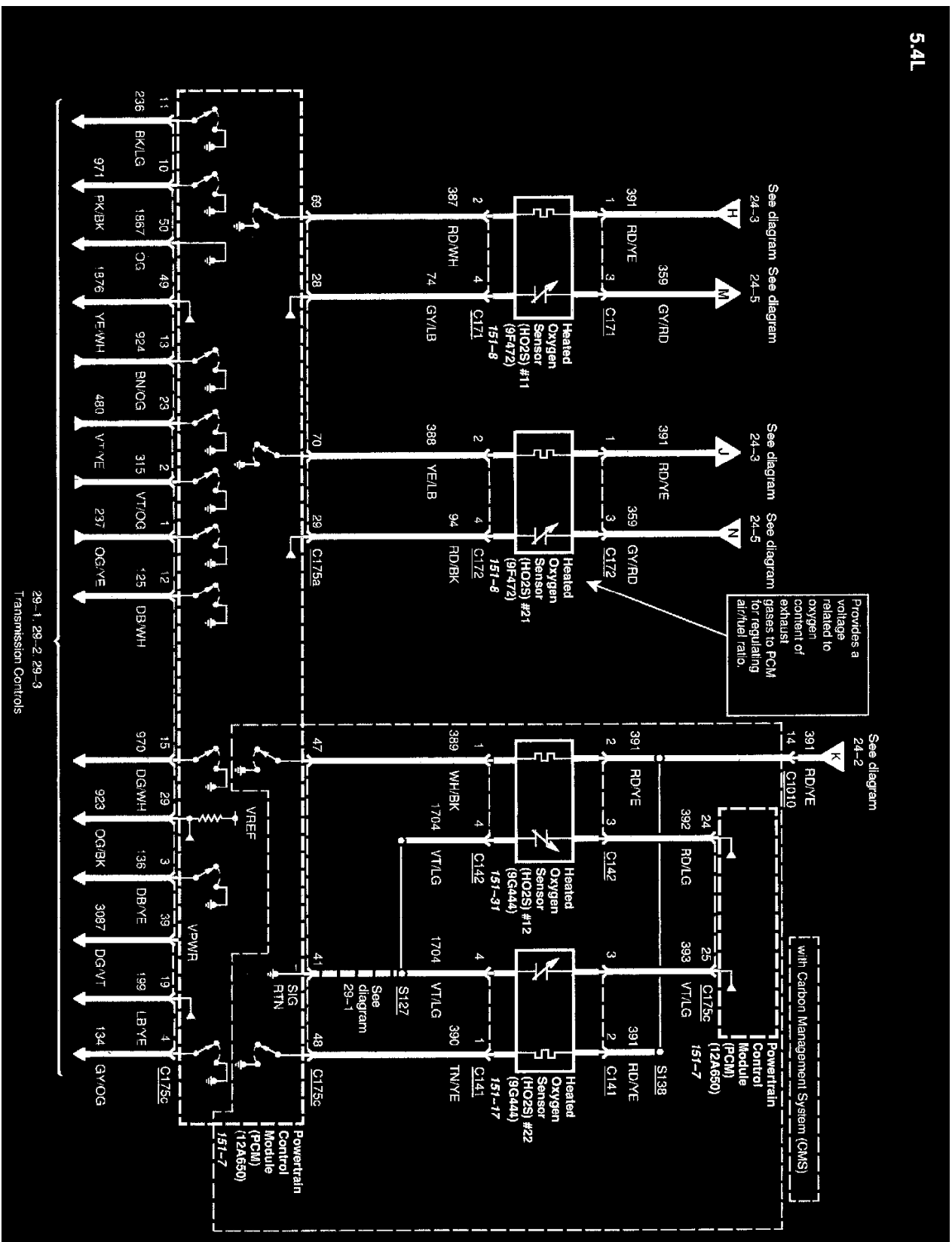
Hot at all times

F1.10
10A

Battery Junction Box
(BJB)
(14A067)
71-4, 13-23



5.4L





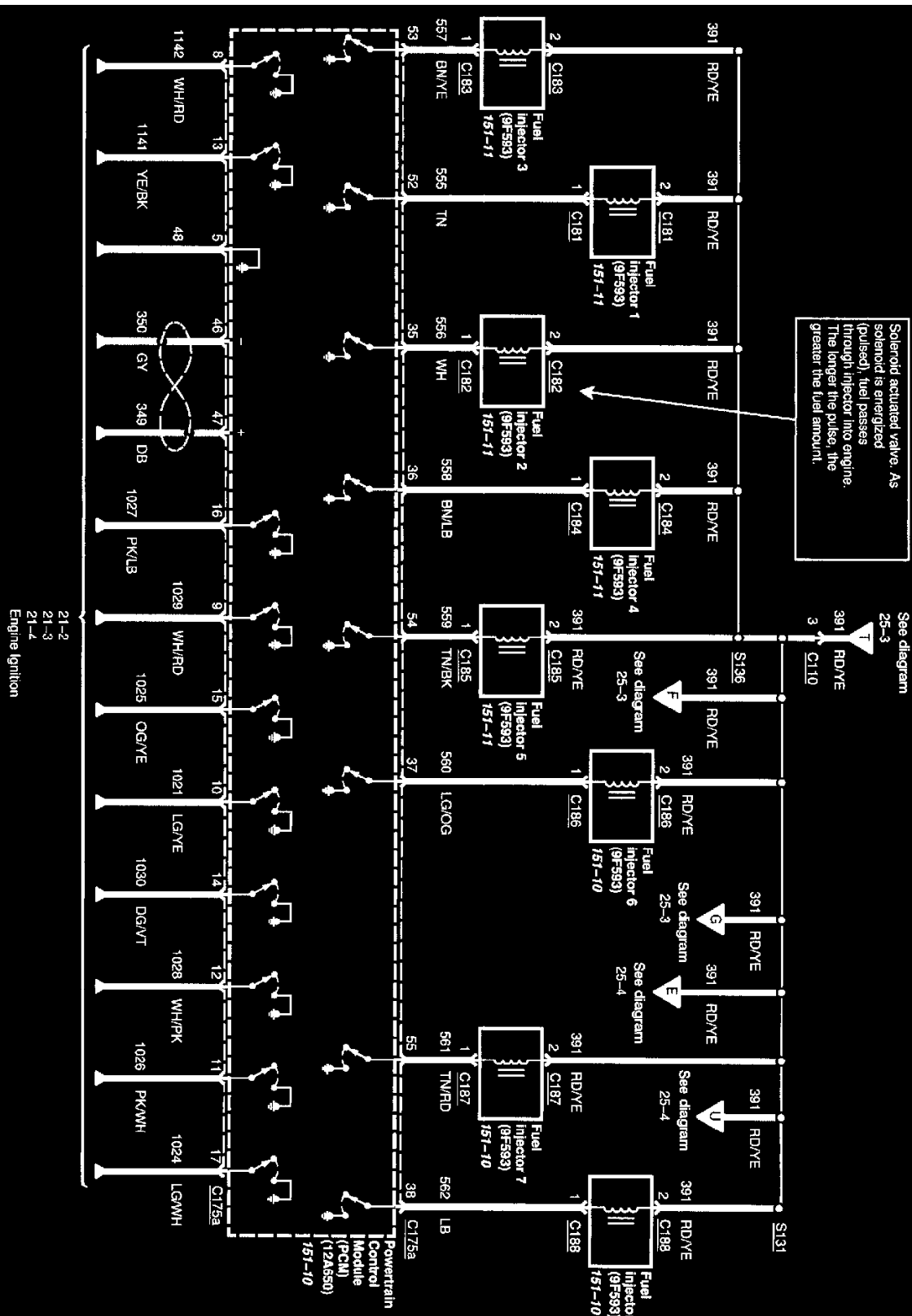
[illegible]

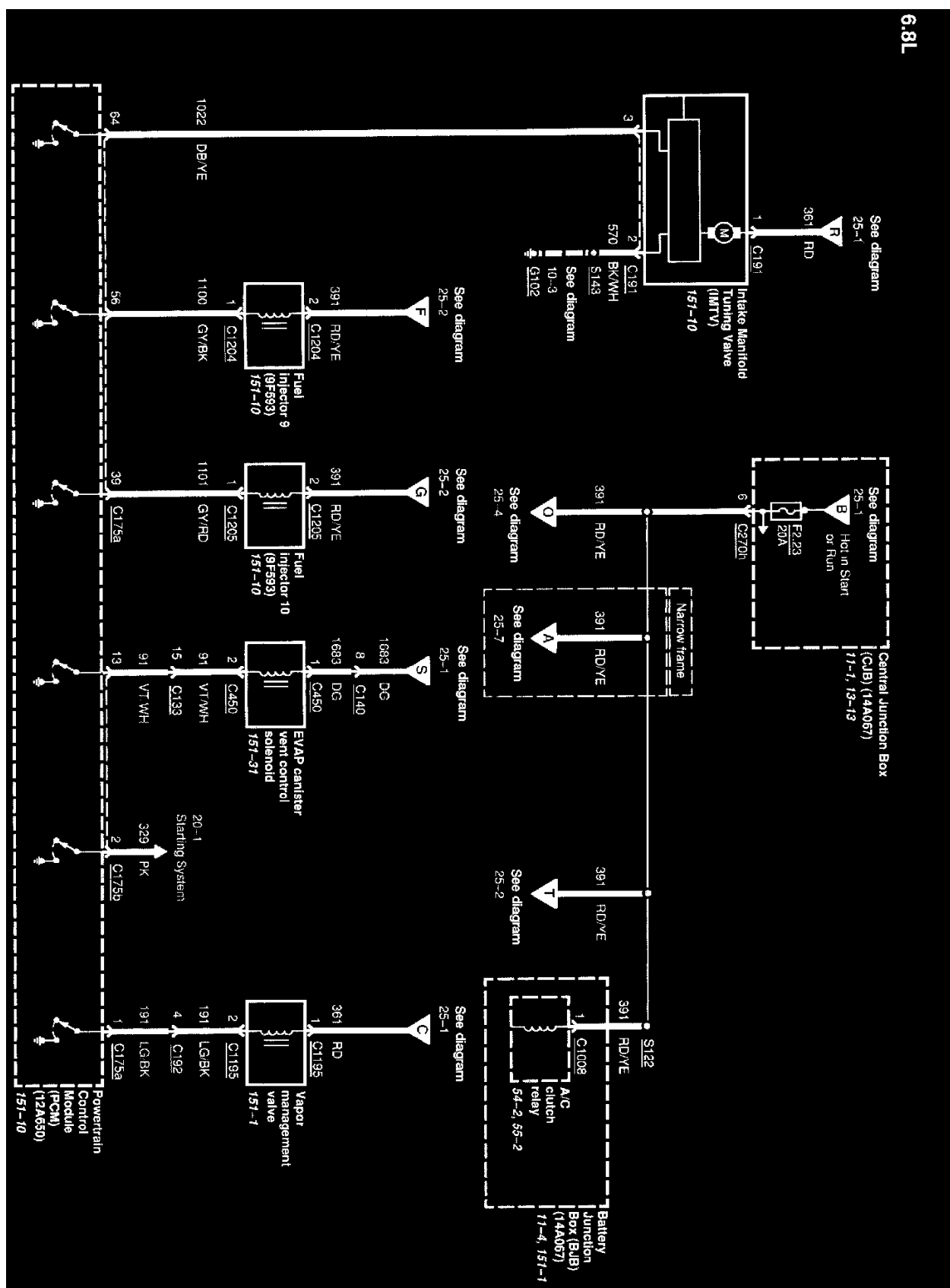
[illegible]

24-8

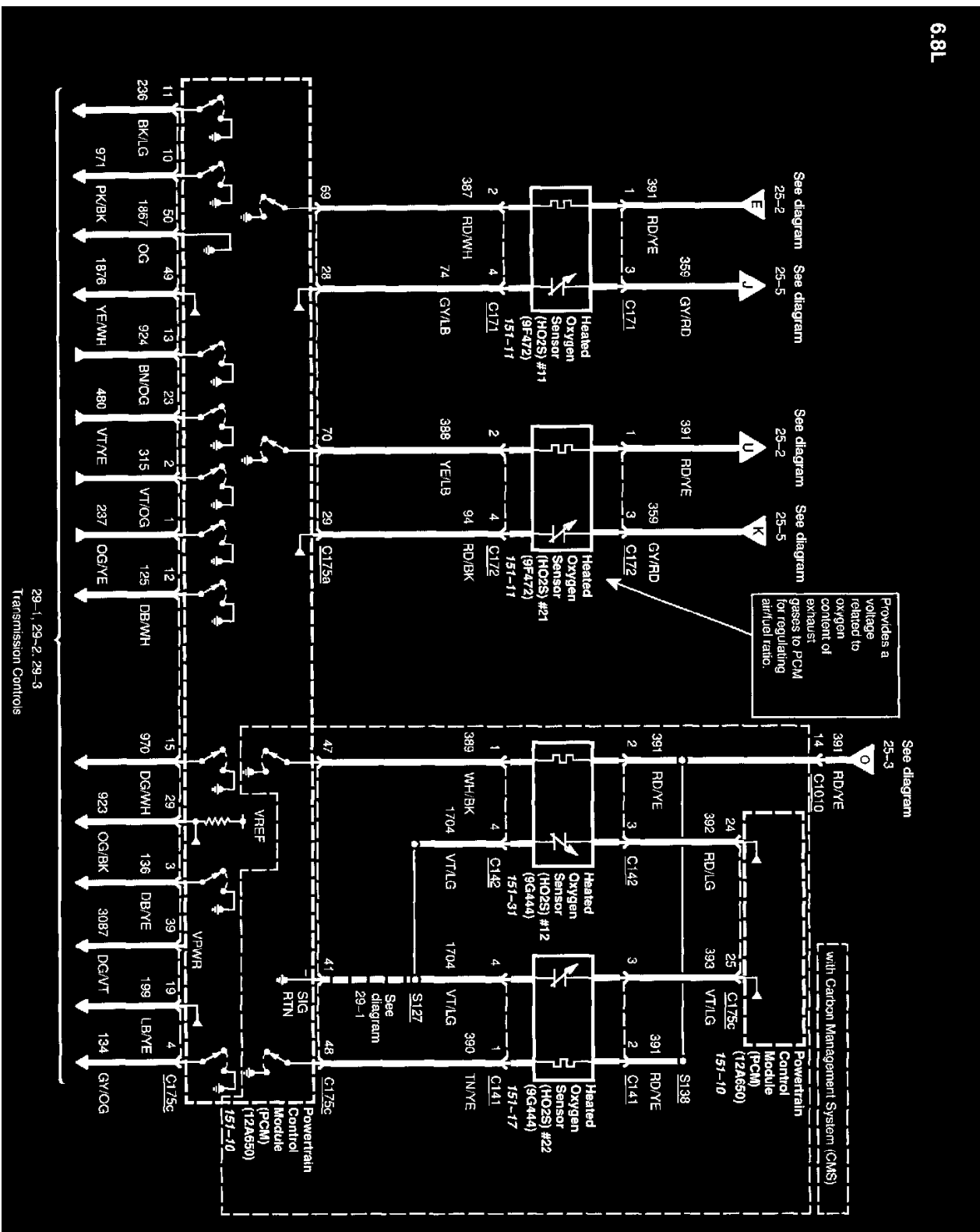


Soleroid actuated valve. As solenoid is energized (pulsed), fuel passes through injector into engine. The longer the pulse, the greater the fuel amount.





6.8L

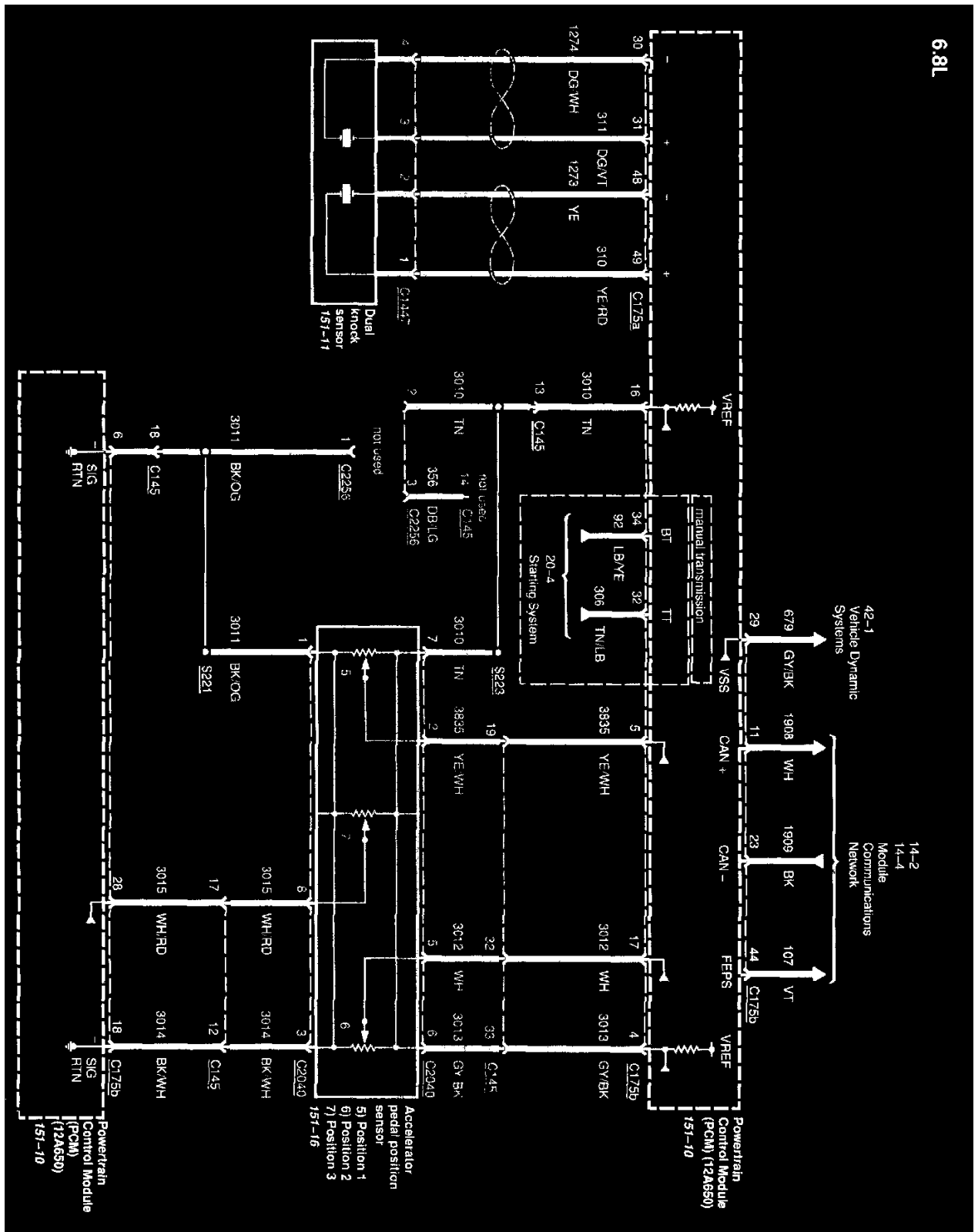




[illegible]

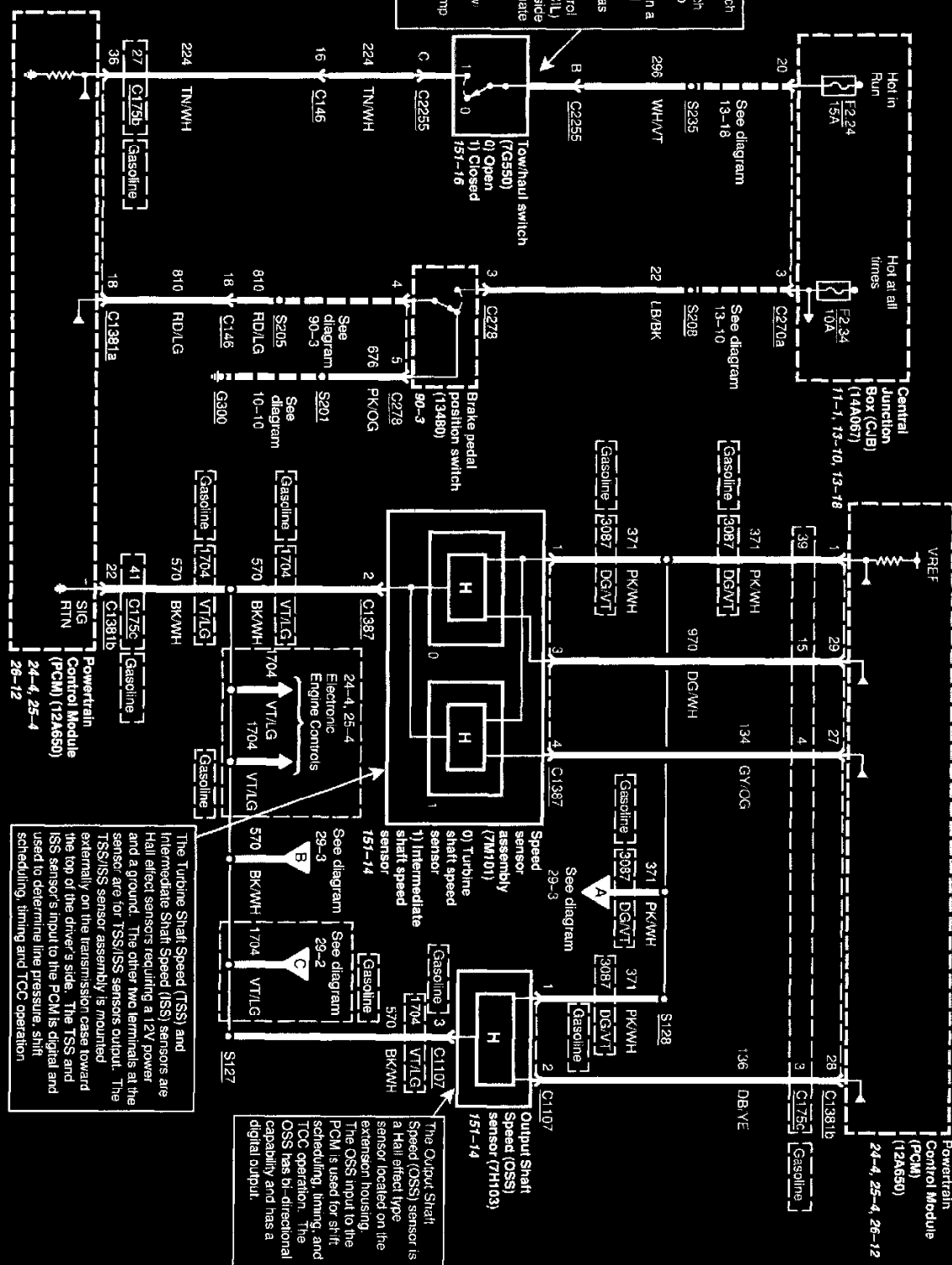
[illegible]

6.8L

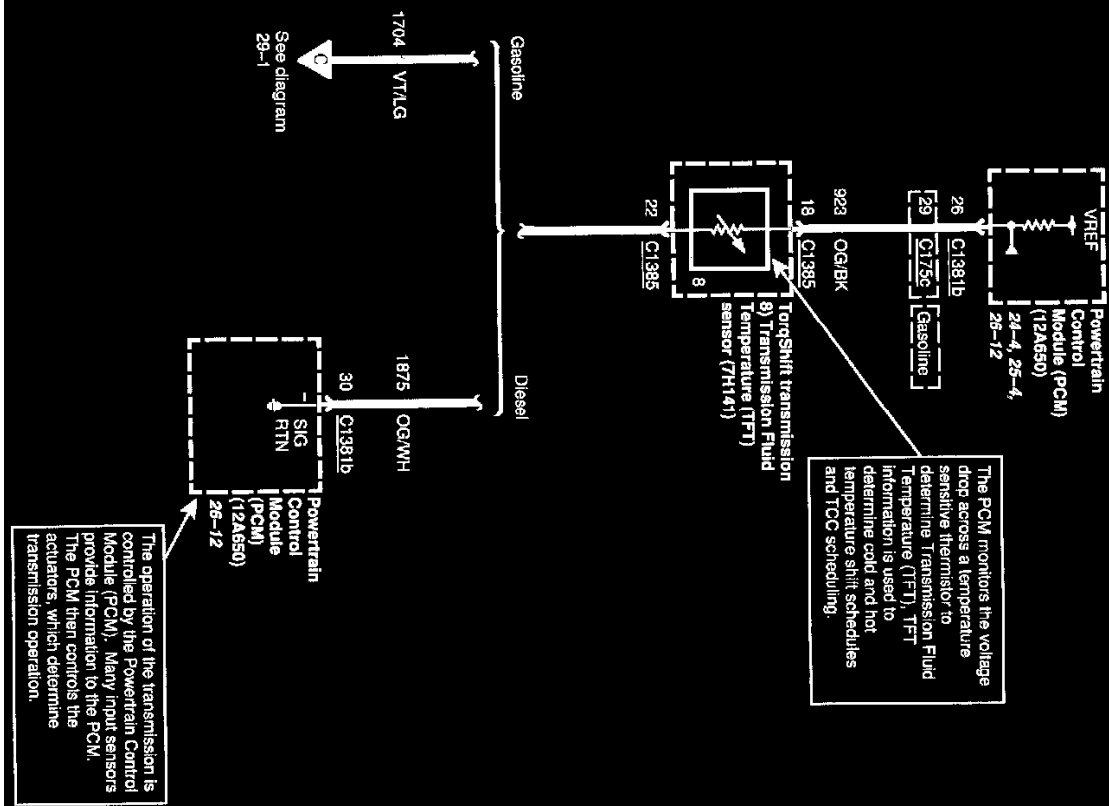


The Tow-Haul switch is a monostable contact switch which provides a signal to the PCM when pressed, resulting in a change in shift and TCC scheduling. When the switch has been pressed, the Transmission Control Indicator Lamp (TCIL) located on the left side of the IP will illuminate. Tow-Haul ON.

When the switch is pressed again, Tow Haul will be deactivated and lamp will turn off.



TorqShift



The intermediate (SSPC-C), low/ (SSPC-E), and overdrive (SSPC-B) clutches are each controlled by a directly proportional Variable Force Shift (VFS) solenoid.

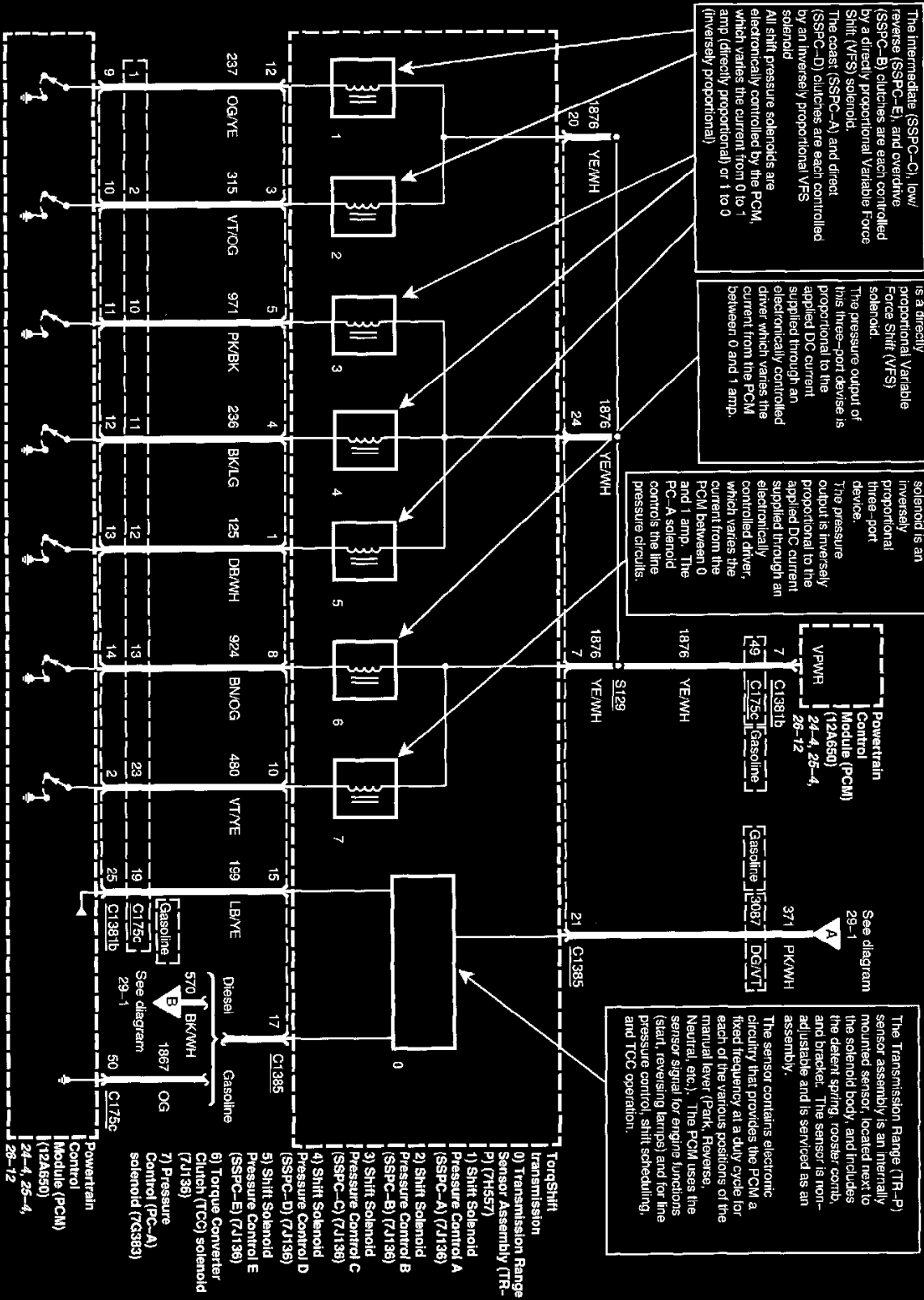
The coast (SSPC-A) and direct (SSPC-D) clutches are each controlled by an inversely proportional VFS solenoid.

All shift pressure solenoids are electronically controlled by the PCM, which varies the current from 0 to 1 amp (directly proportional) or 1 to 0 (inversely proportional).

The Torque Converter Clutch (TCC) solenoid is a directly proportional Variable Force Shift (VFS) solenoid.

The pressure output of this three-port device is proportional to the applied DC current supplied through an electronically controlled driver which varies the current from the PCM between 0 and 1 amp.

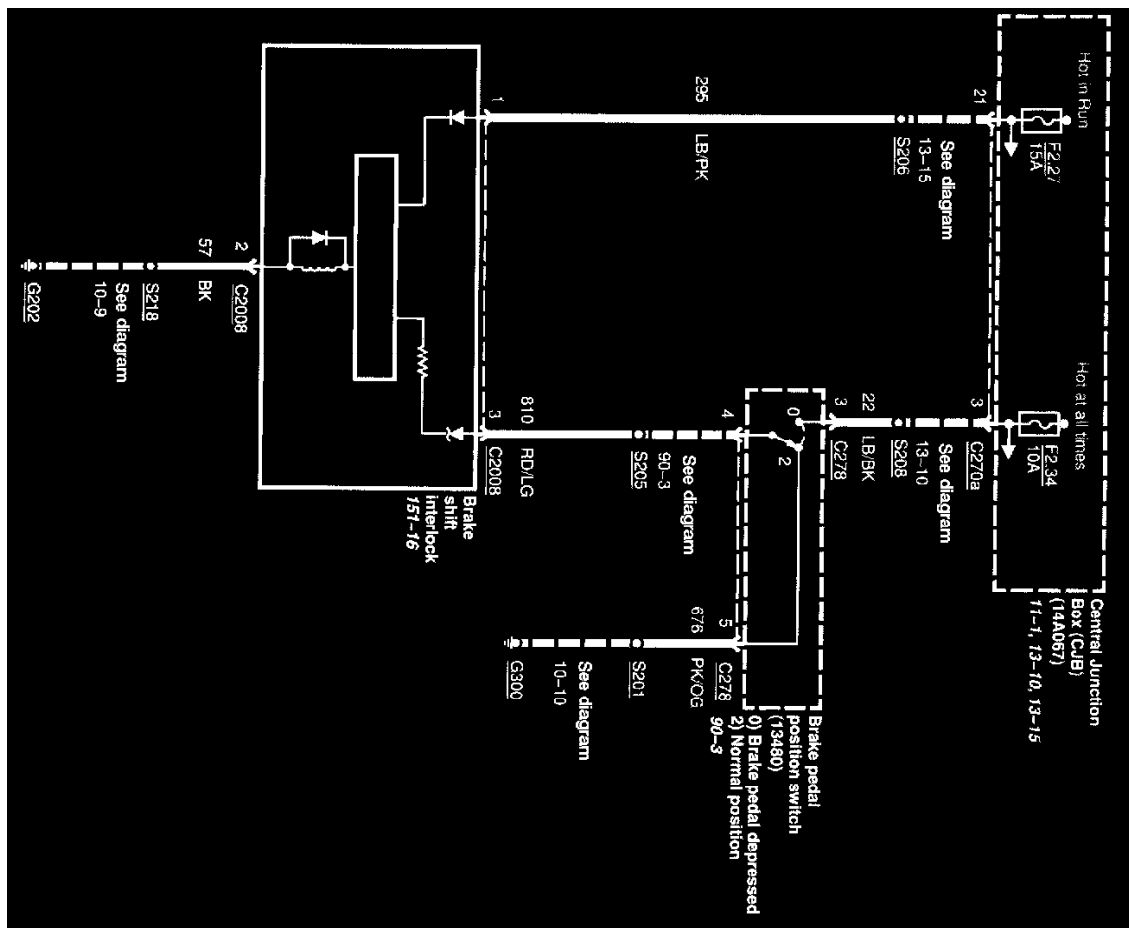
The Pressure Control (PC-A) solenoid is an inversely proportional three-port device. The pressure output is inversely proportional to the applied DC current supplied through an electronically controlled driver, which varies the current from the FCM between 0 and 1 amp. The PC-A solenoid controls the tire pressure circuits.

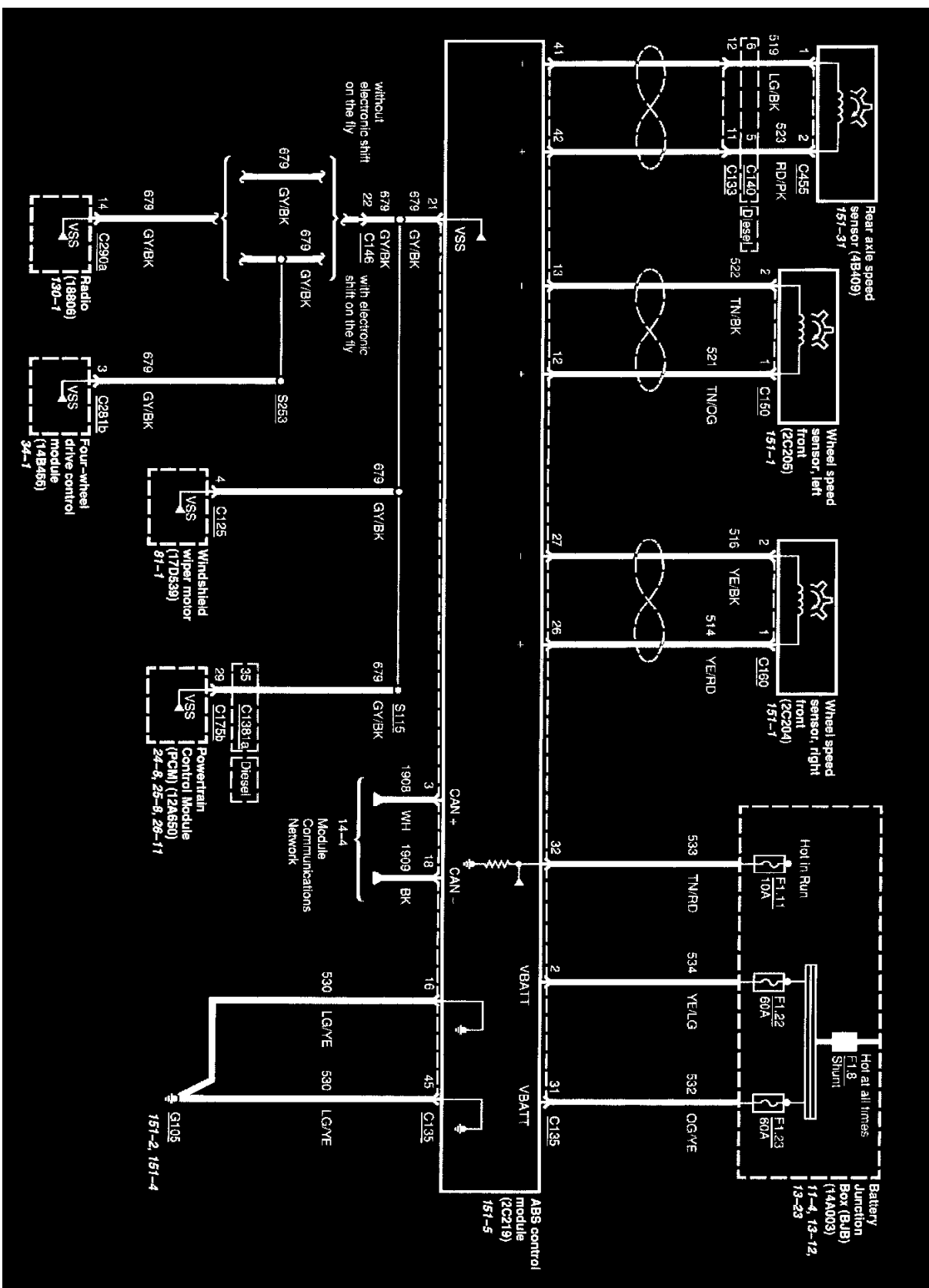


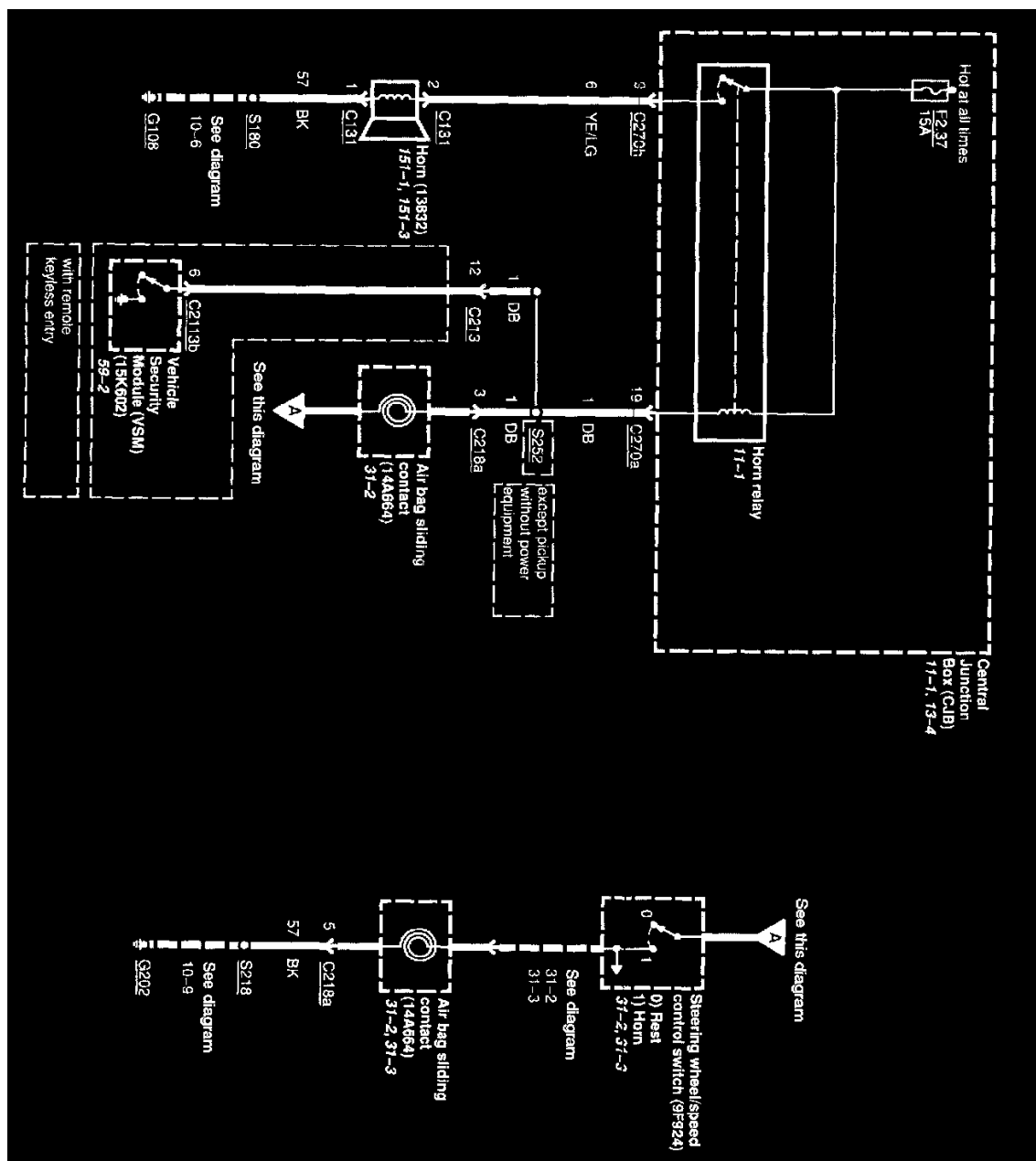
The Transmission Range (TR-P) sensor assembly is an internally mounted sensor, located next to the splenoid body, and includes the detent spring, rooster comb and bracket. The sensor is non-adjustable and is served as an assembly.

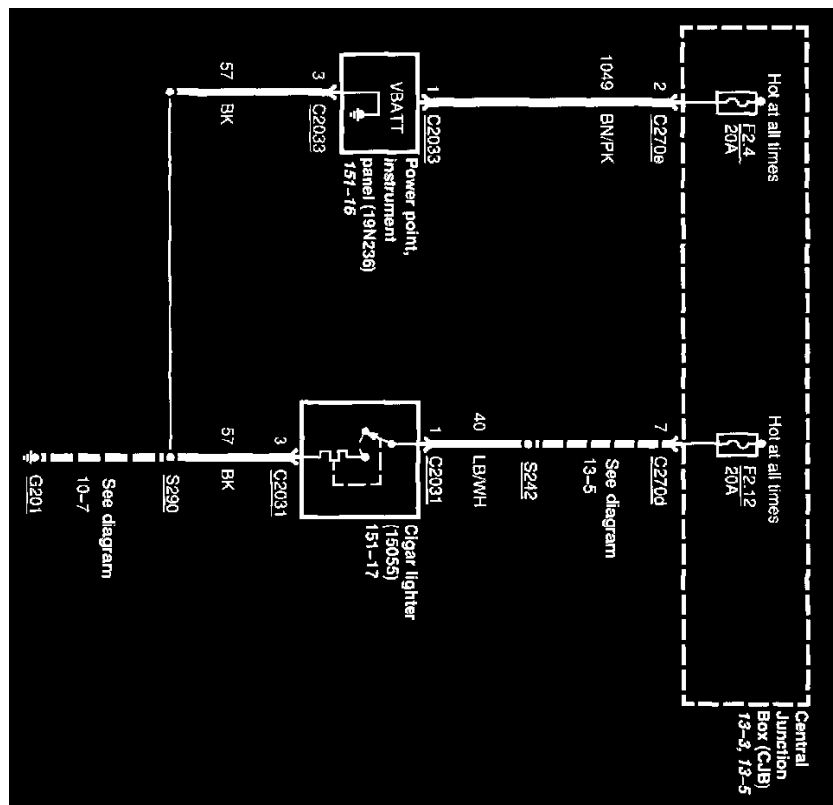
The sensor contains electronic circuitry that provides the PCM a fixed frequency, at a duty cycle for each of the various positions of the manual lever (Park, Reverse, Neutral, etc.). The PCM uses the sensor signal for engine functions (start, reversing lamps) and for line pressure control, shift scheduling, and TCC operation.

[illegible]







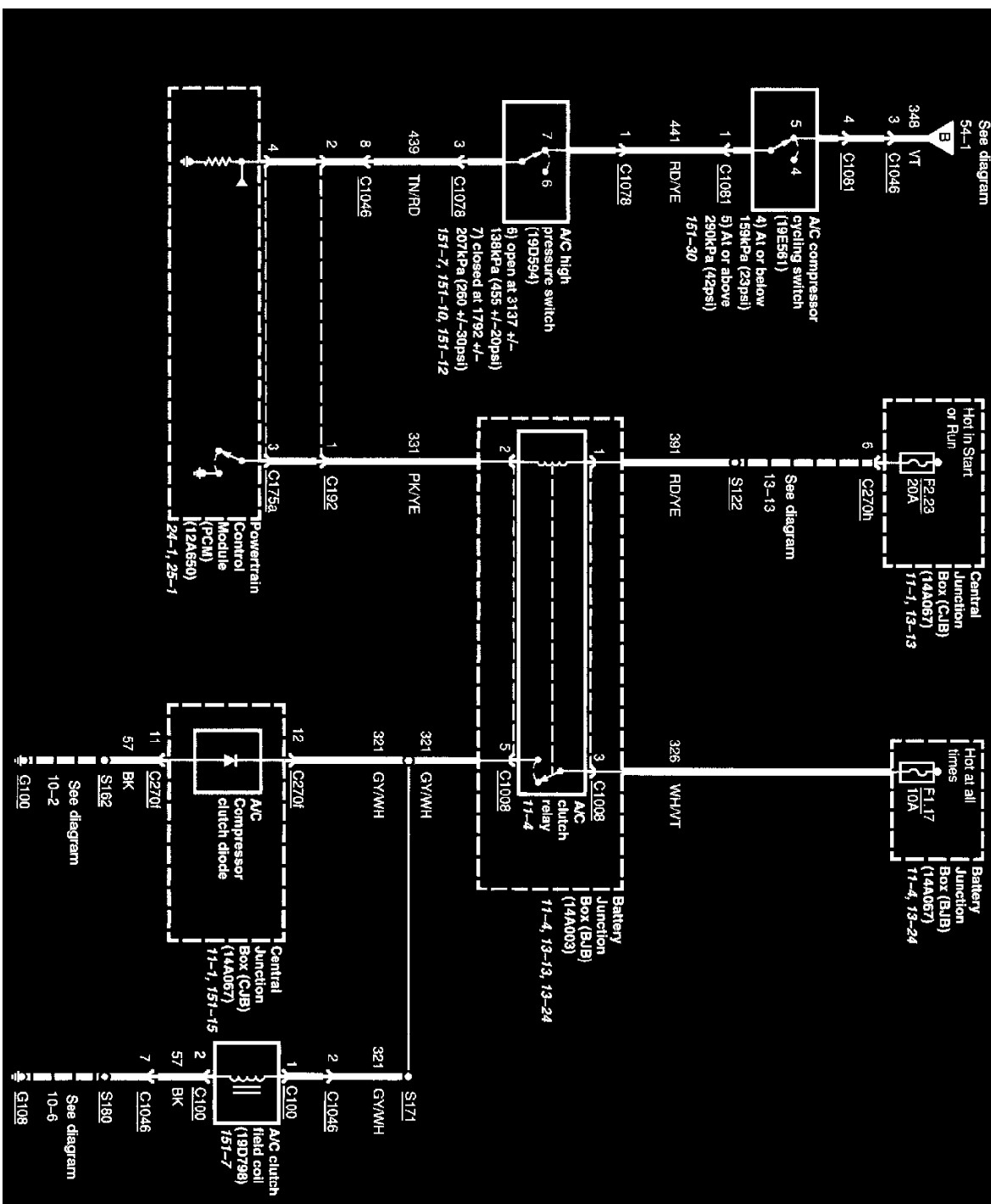


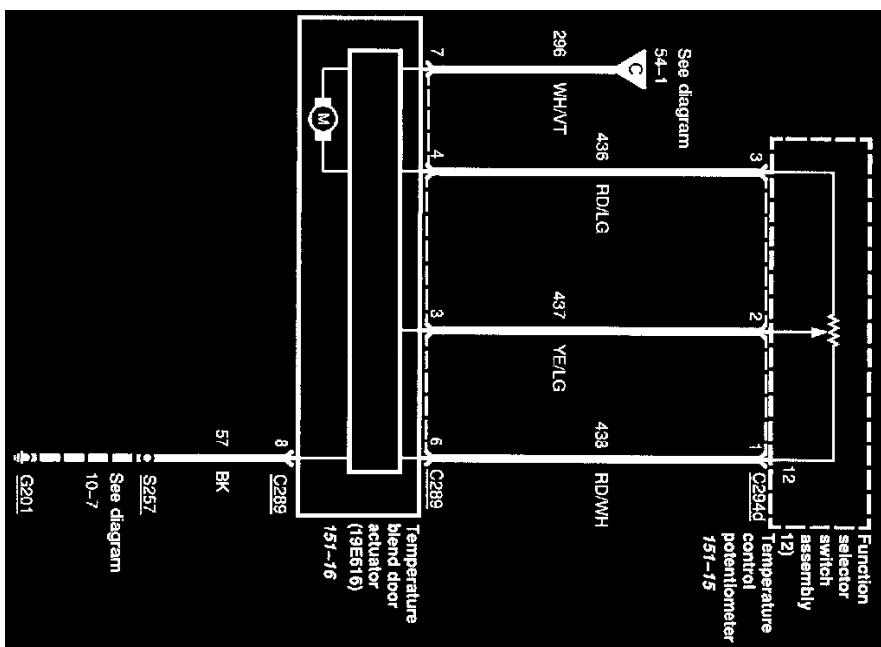






Gasoline

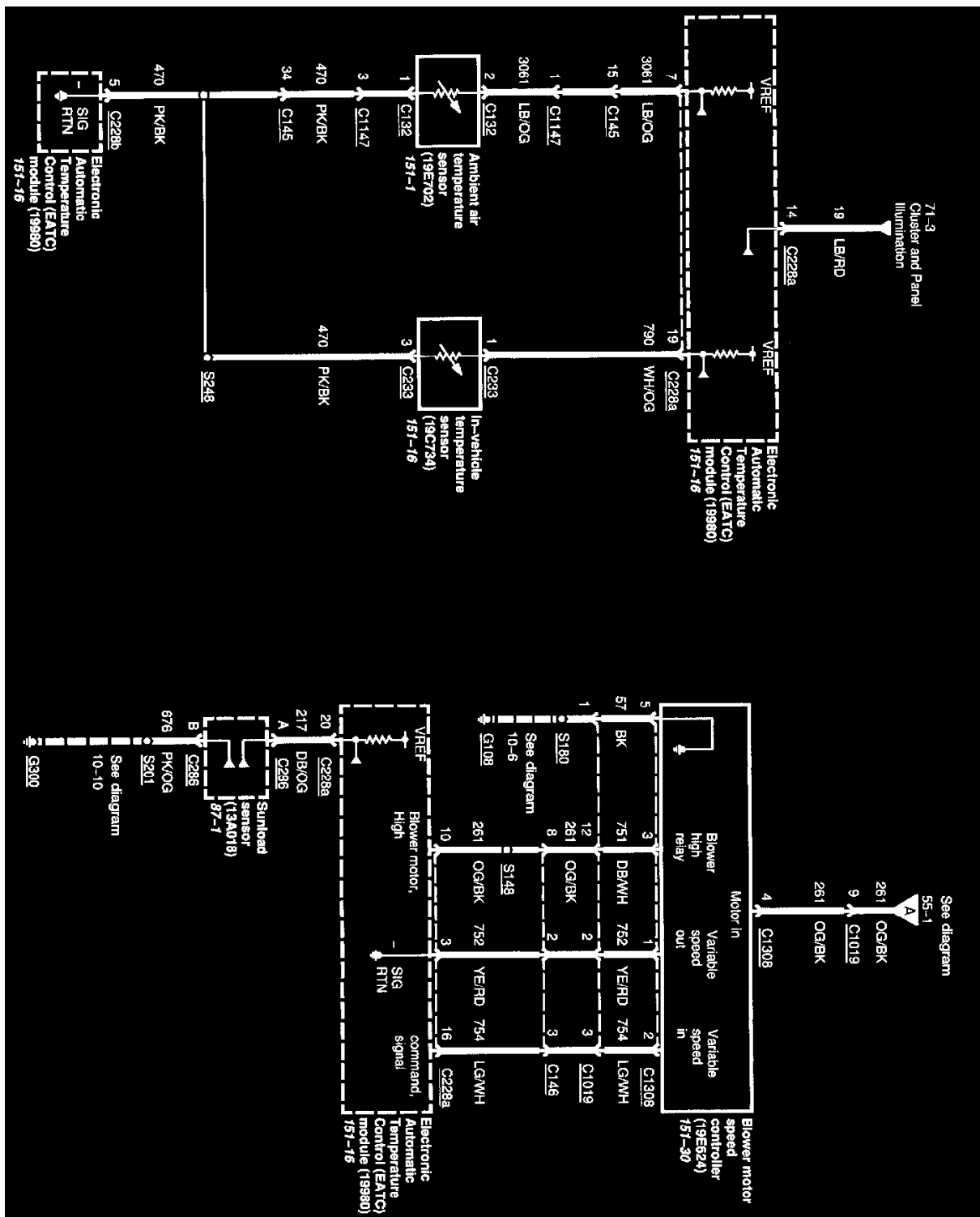


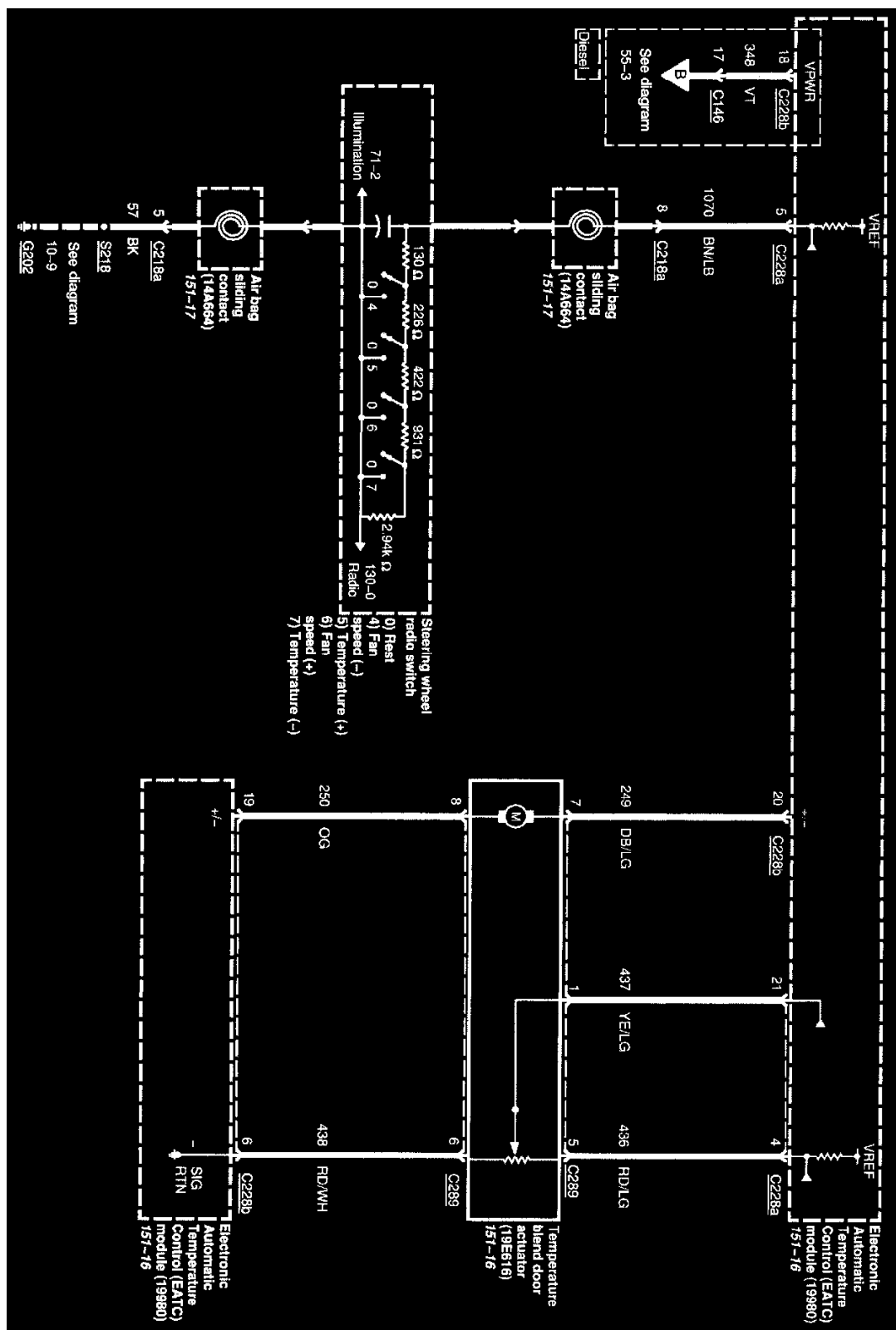


54-4



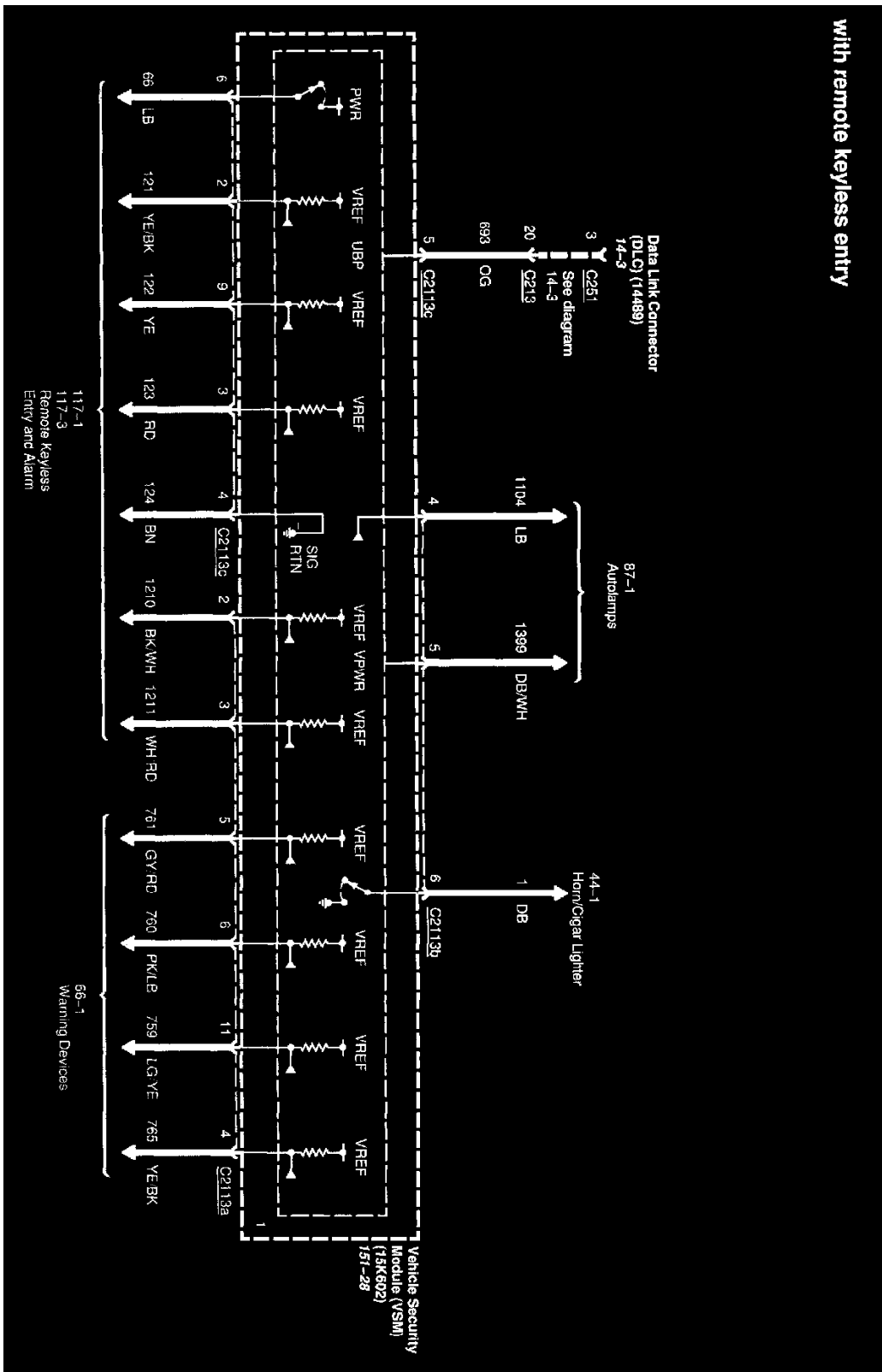
[illegible]







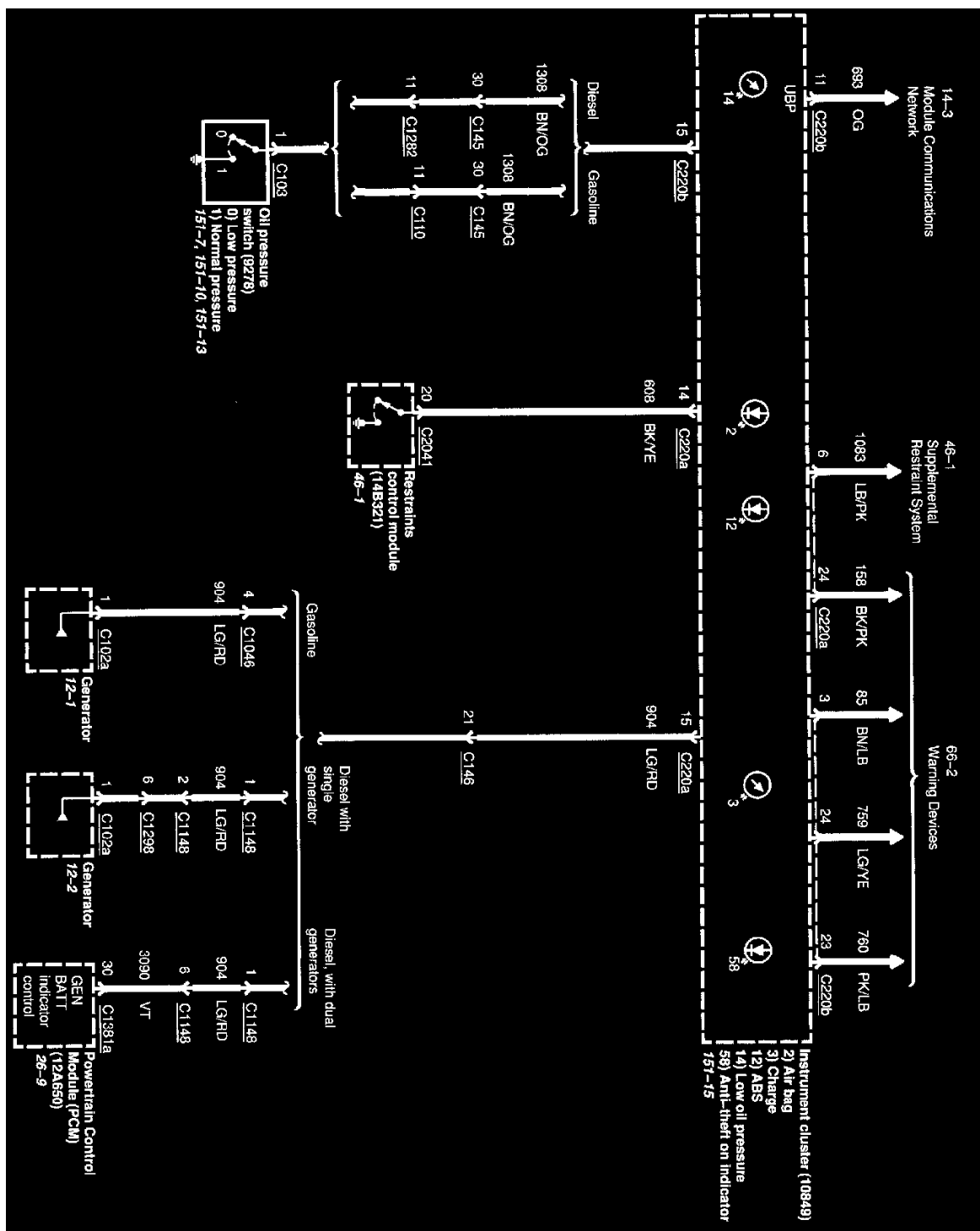
with remote keyless entry





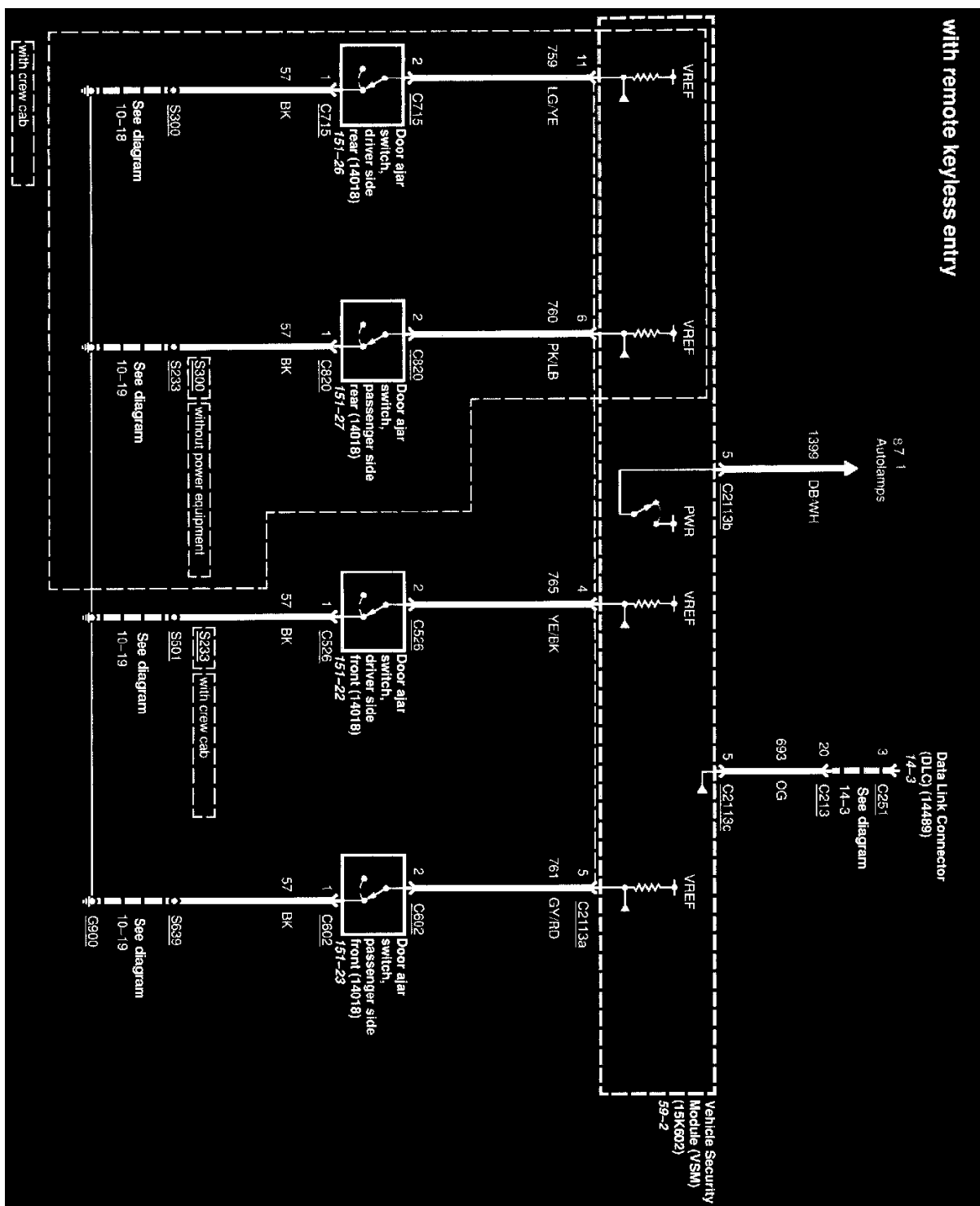








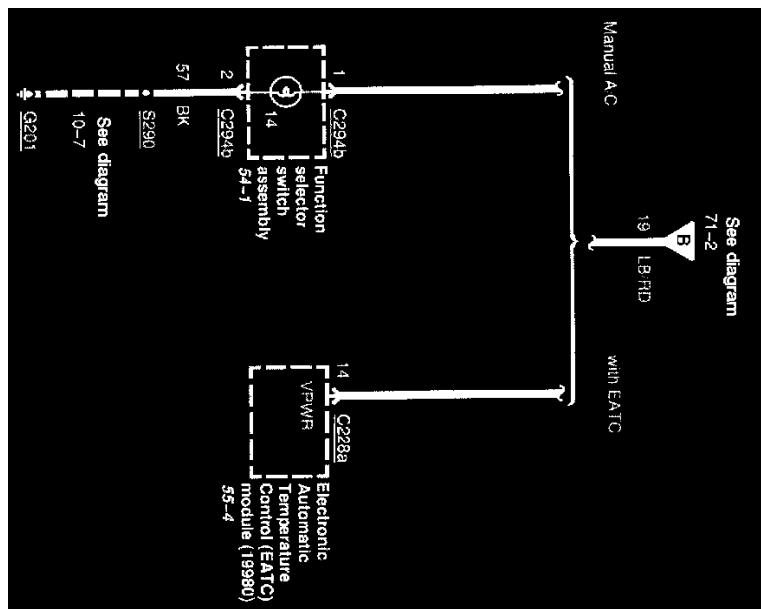




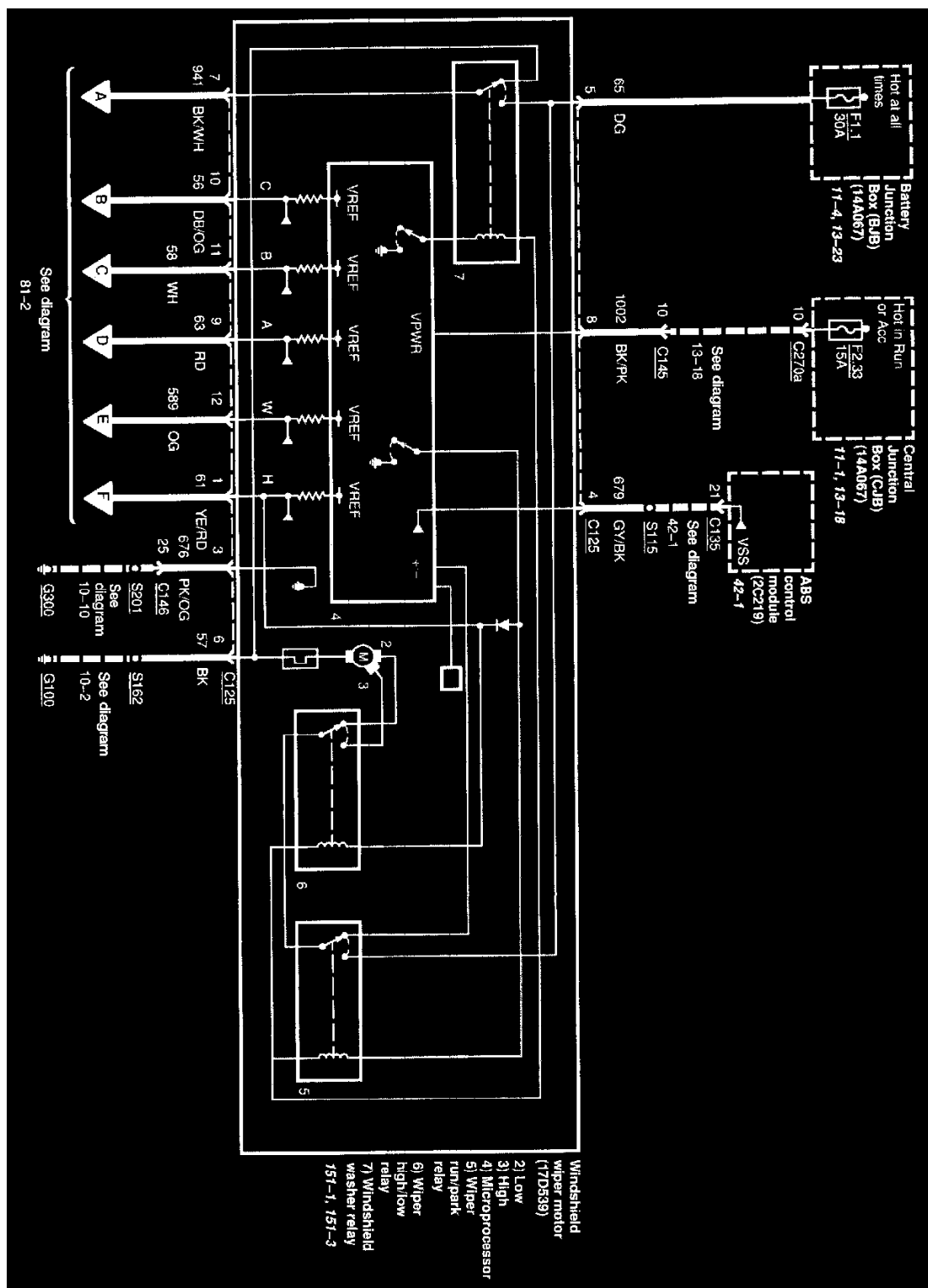




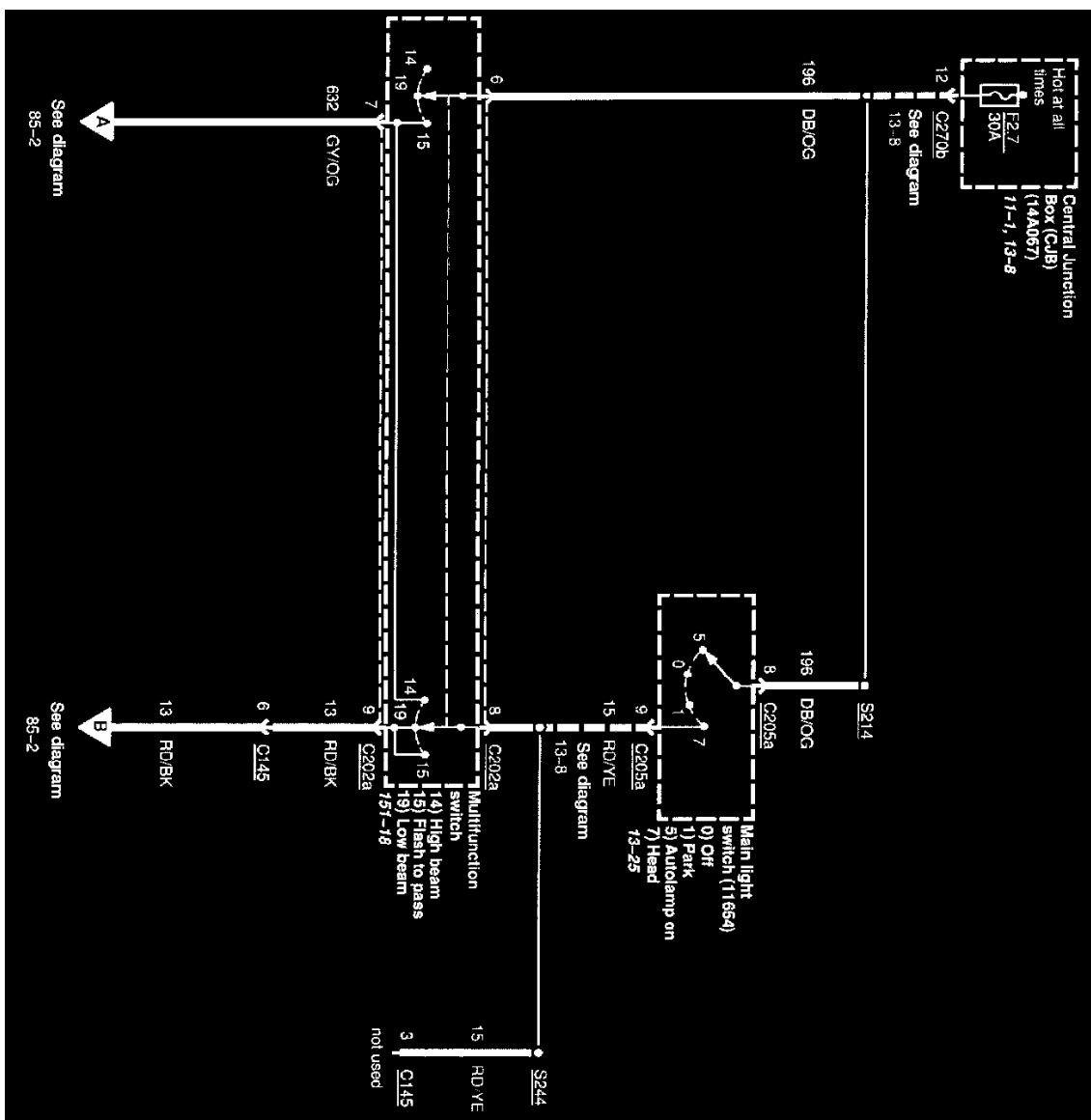


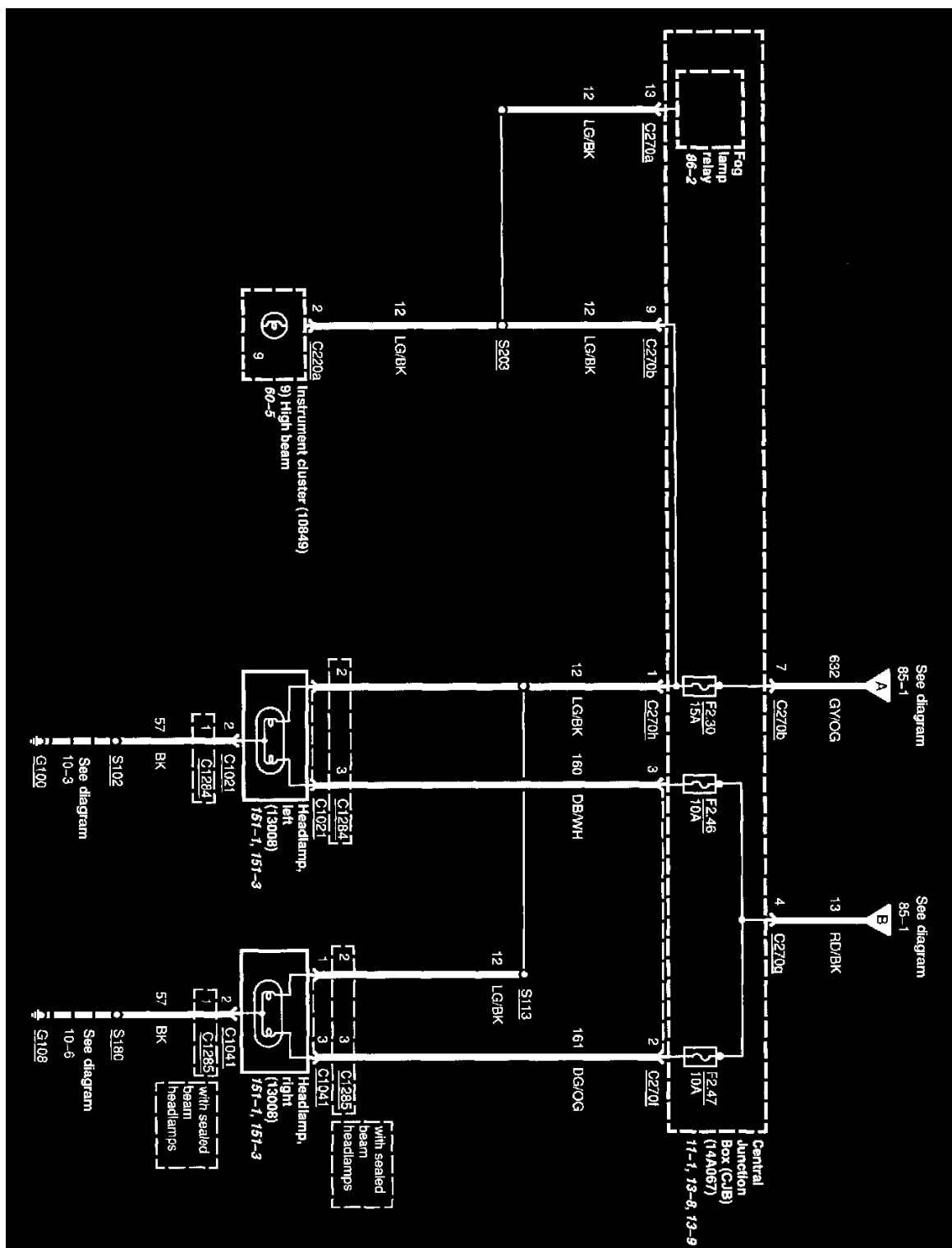


71-3

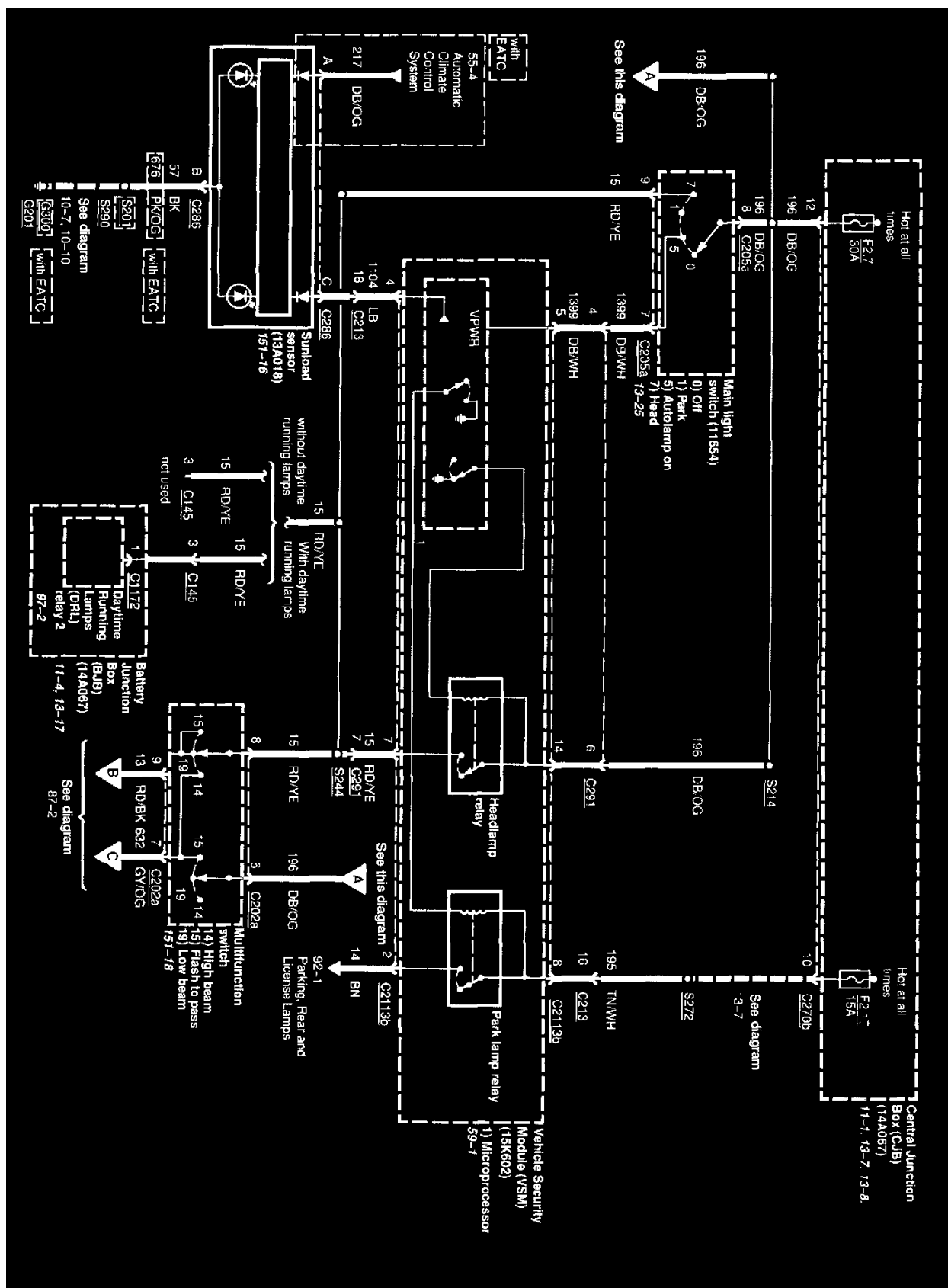




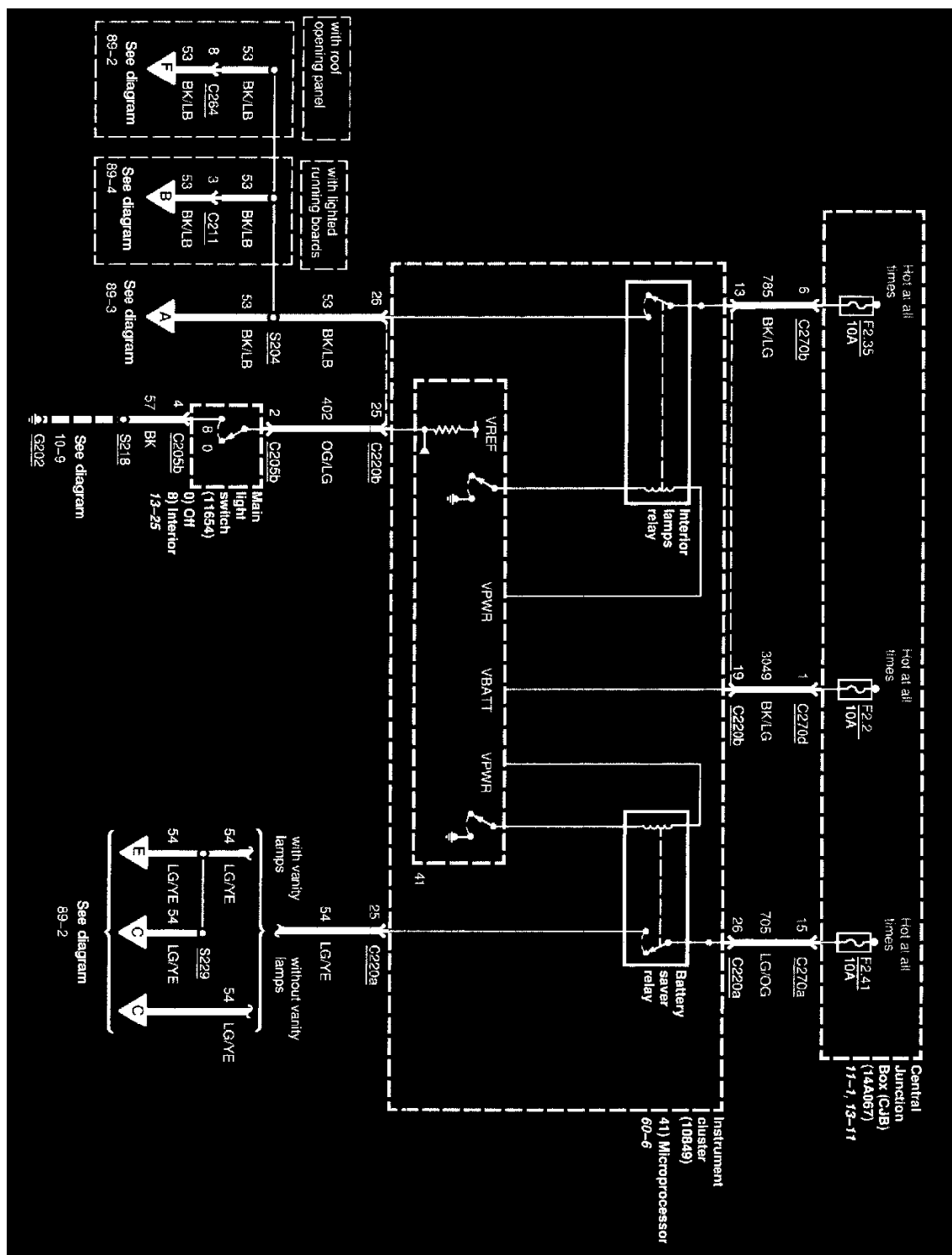


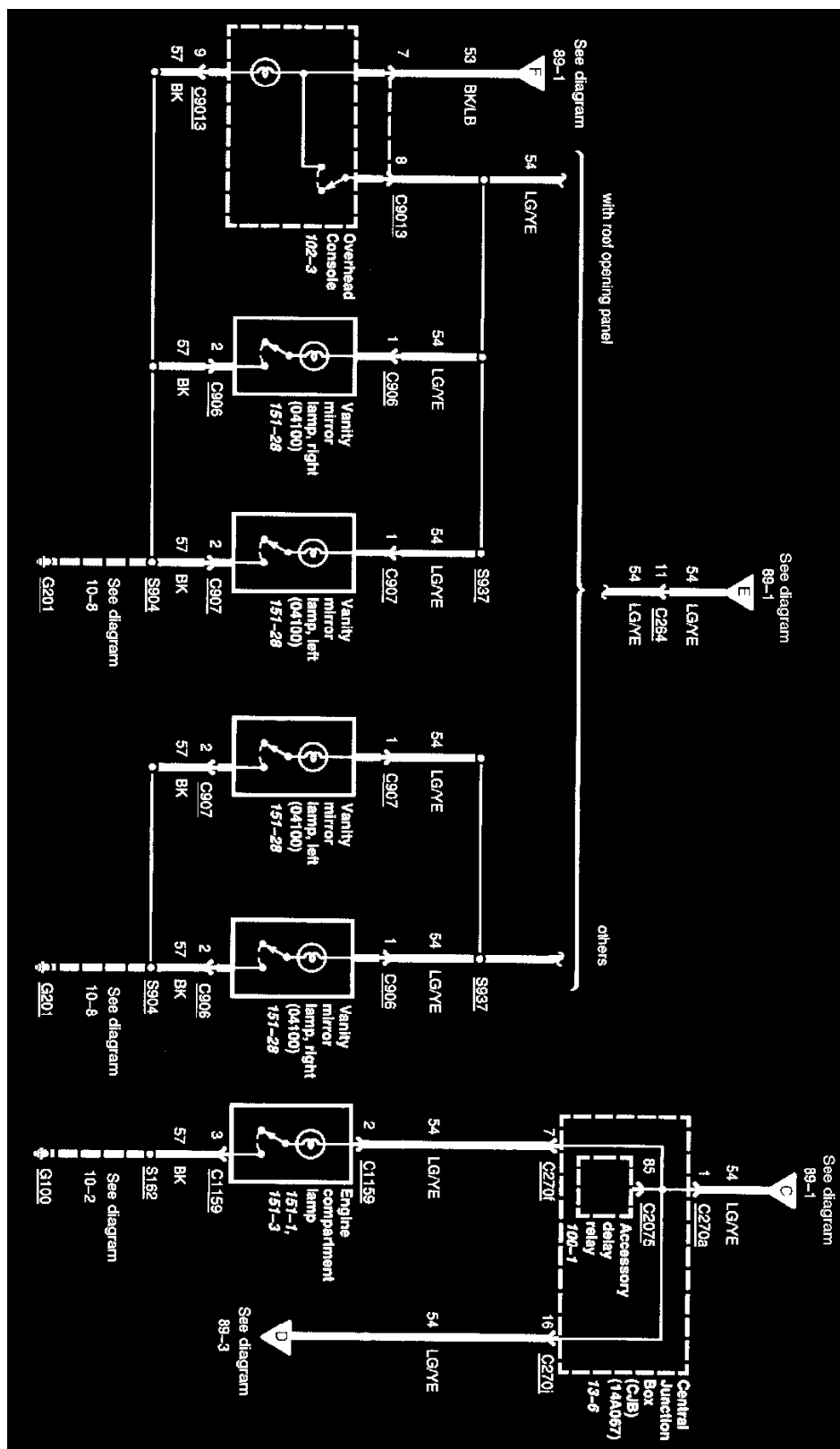




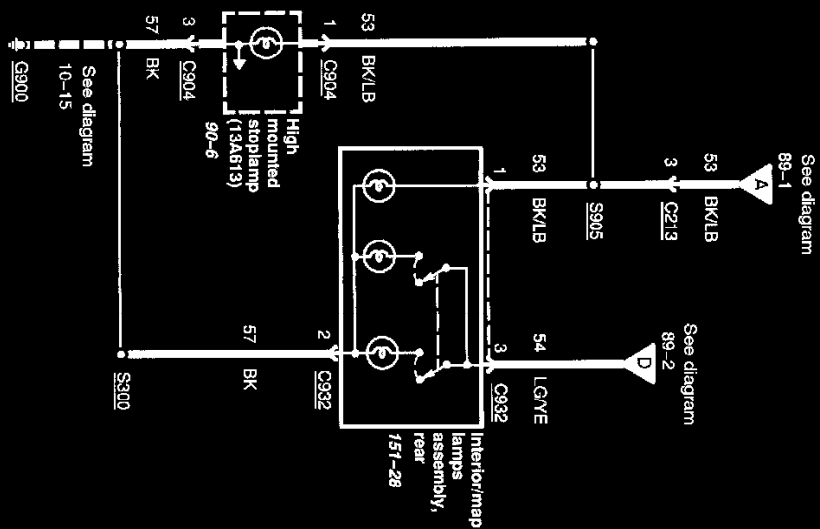




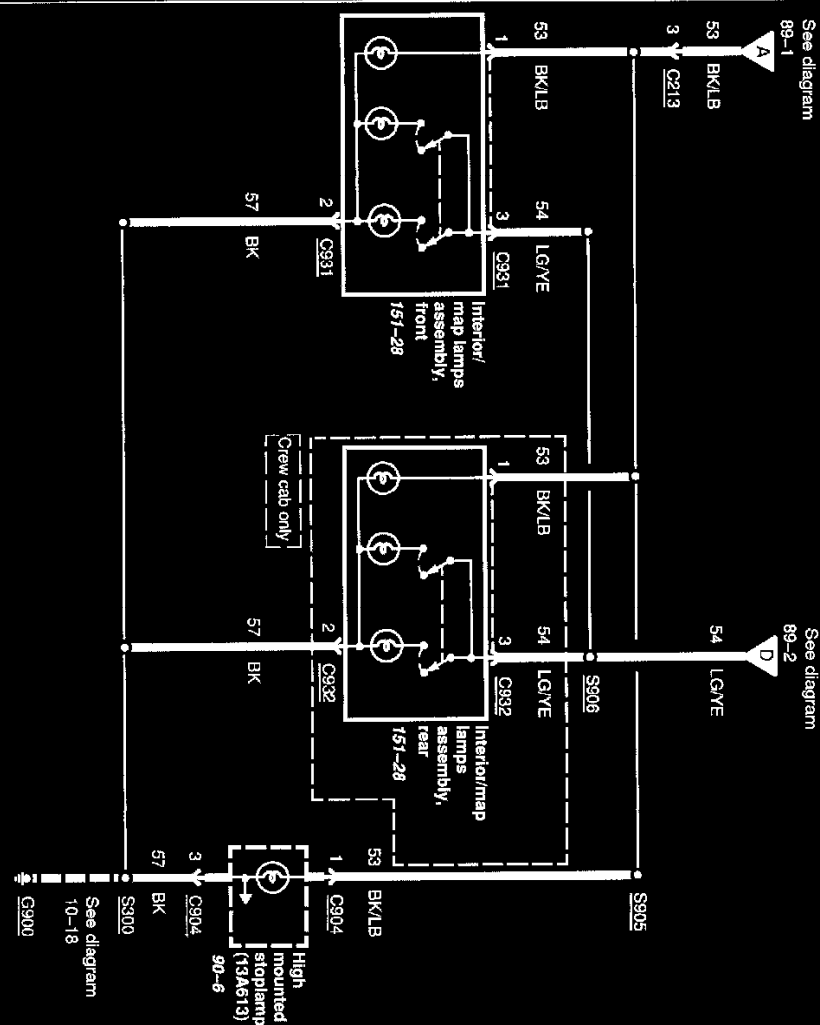


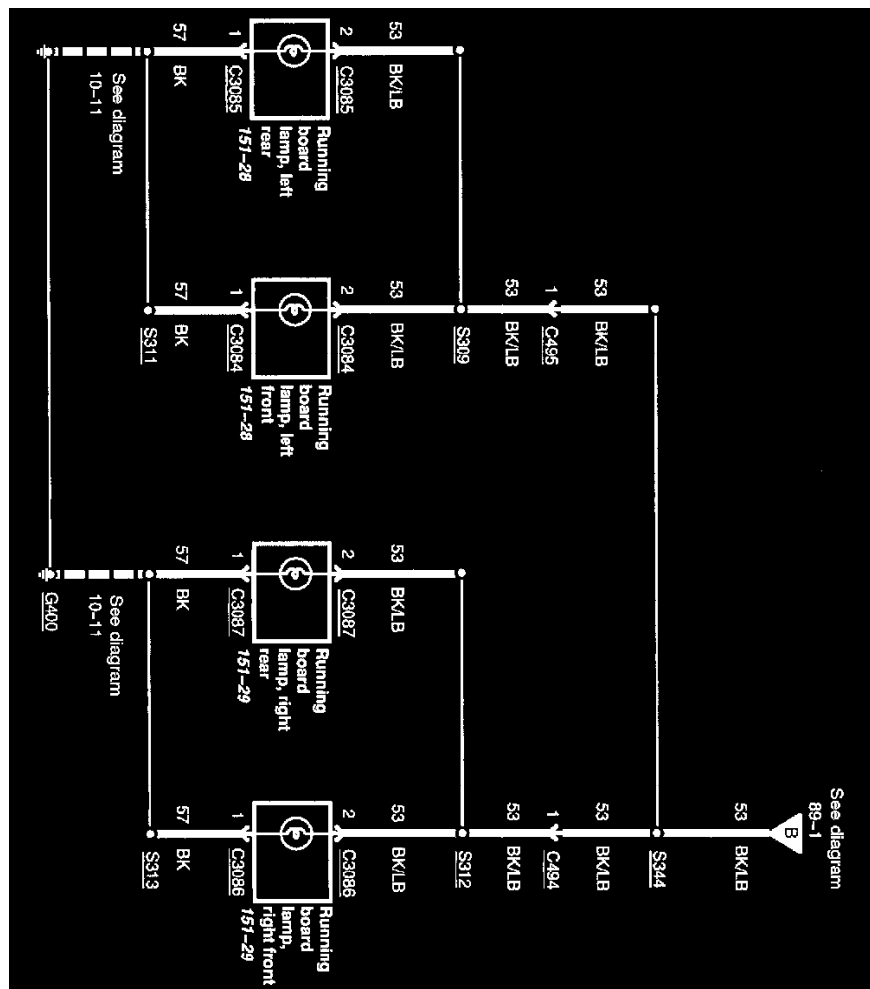


Regular cab

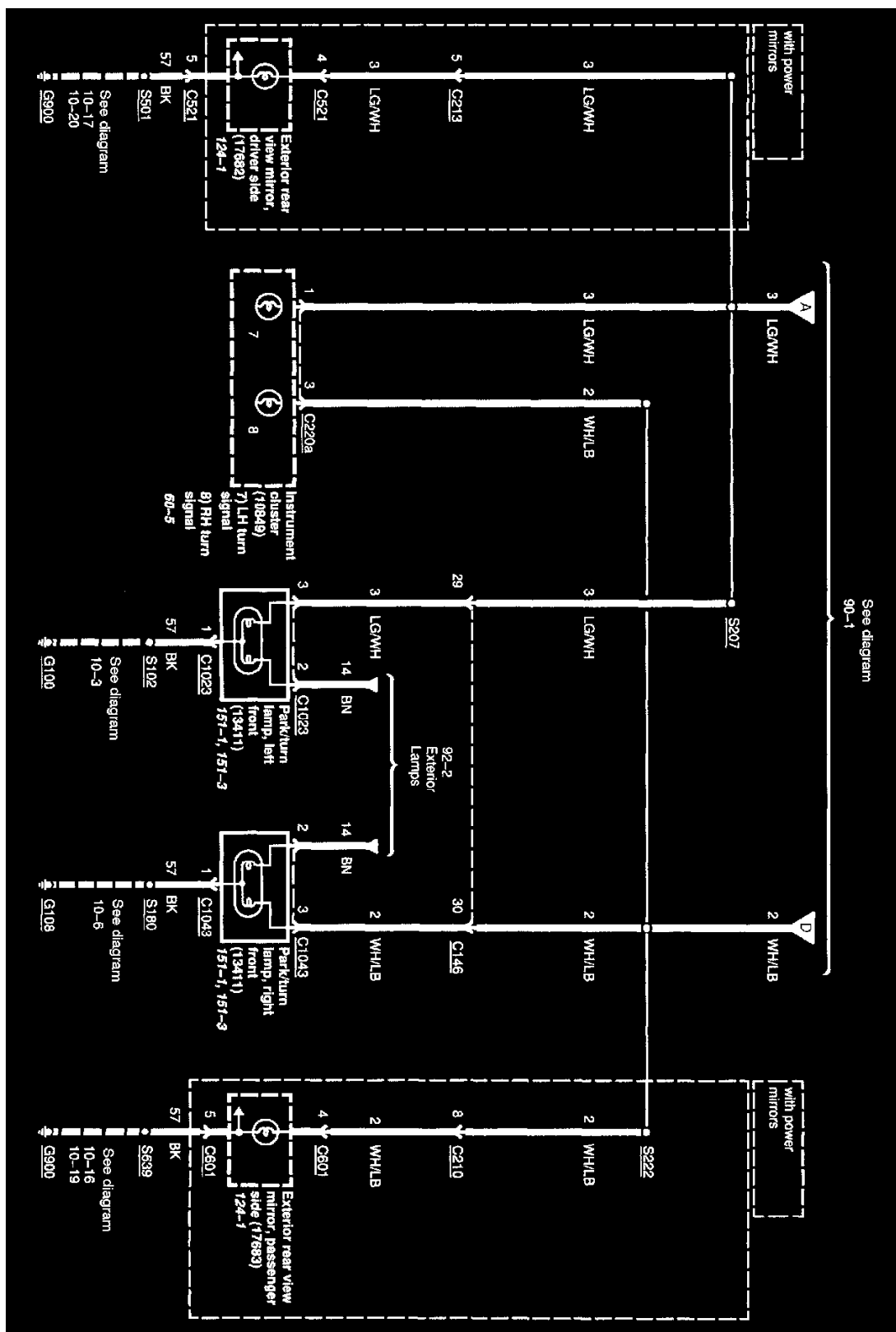


Crew & Super cab



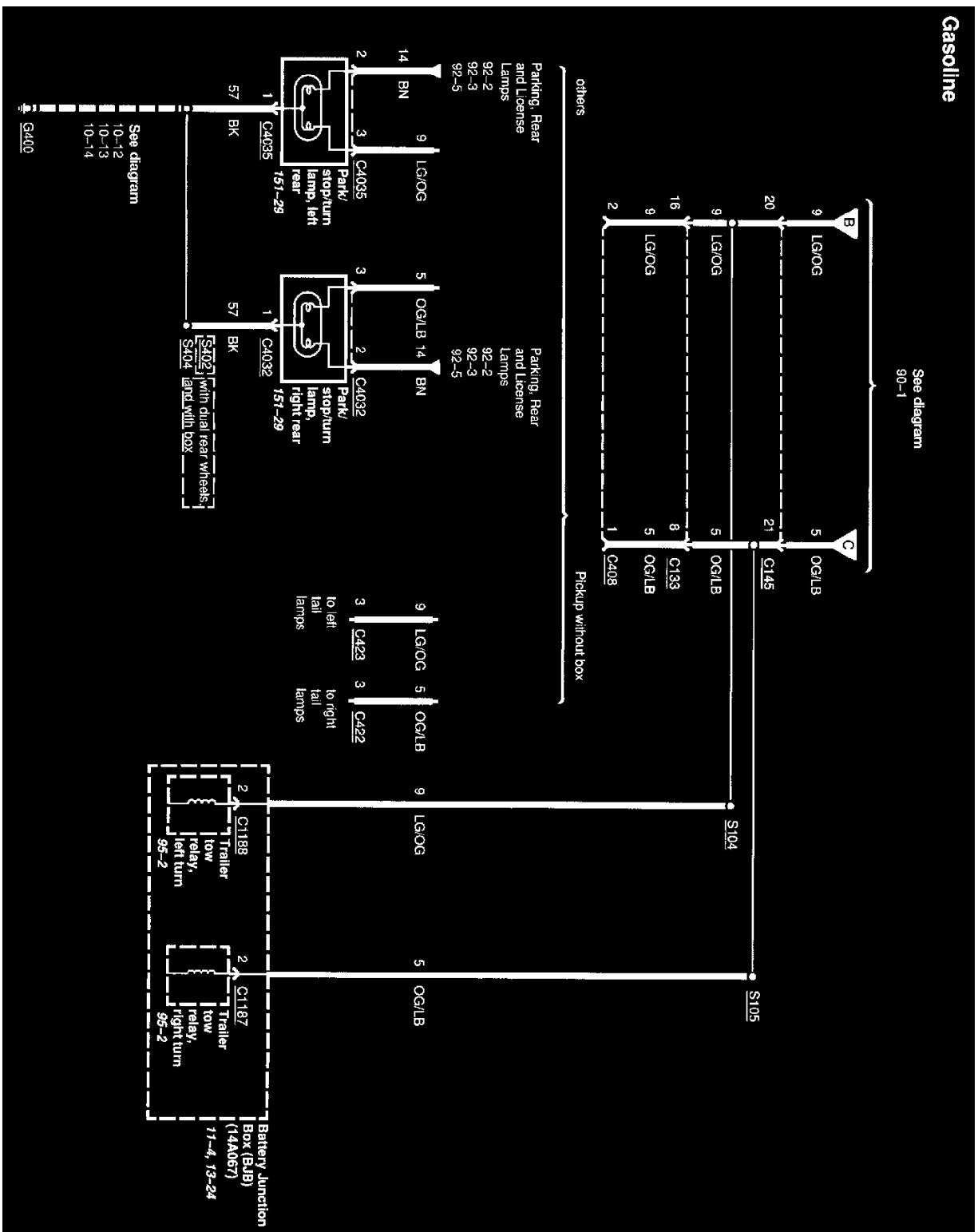


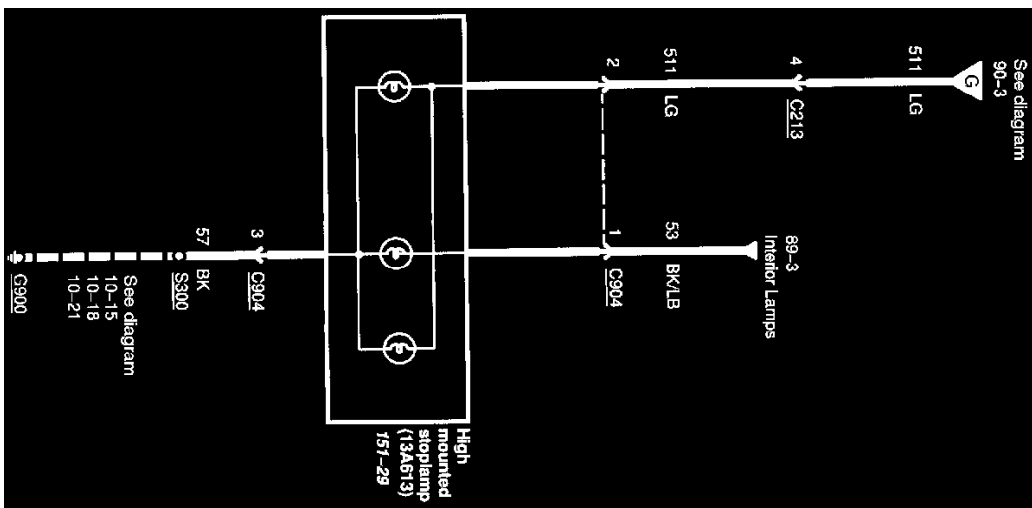




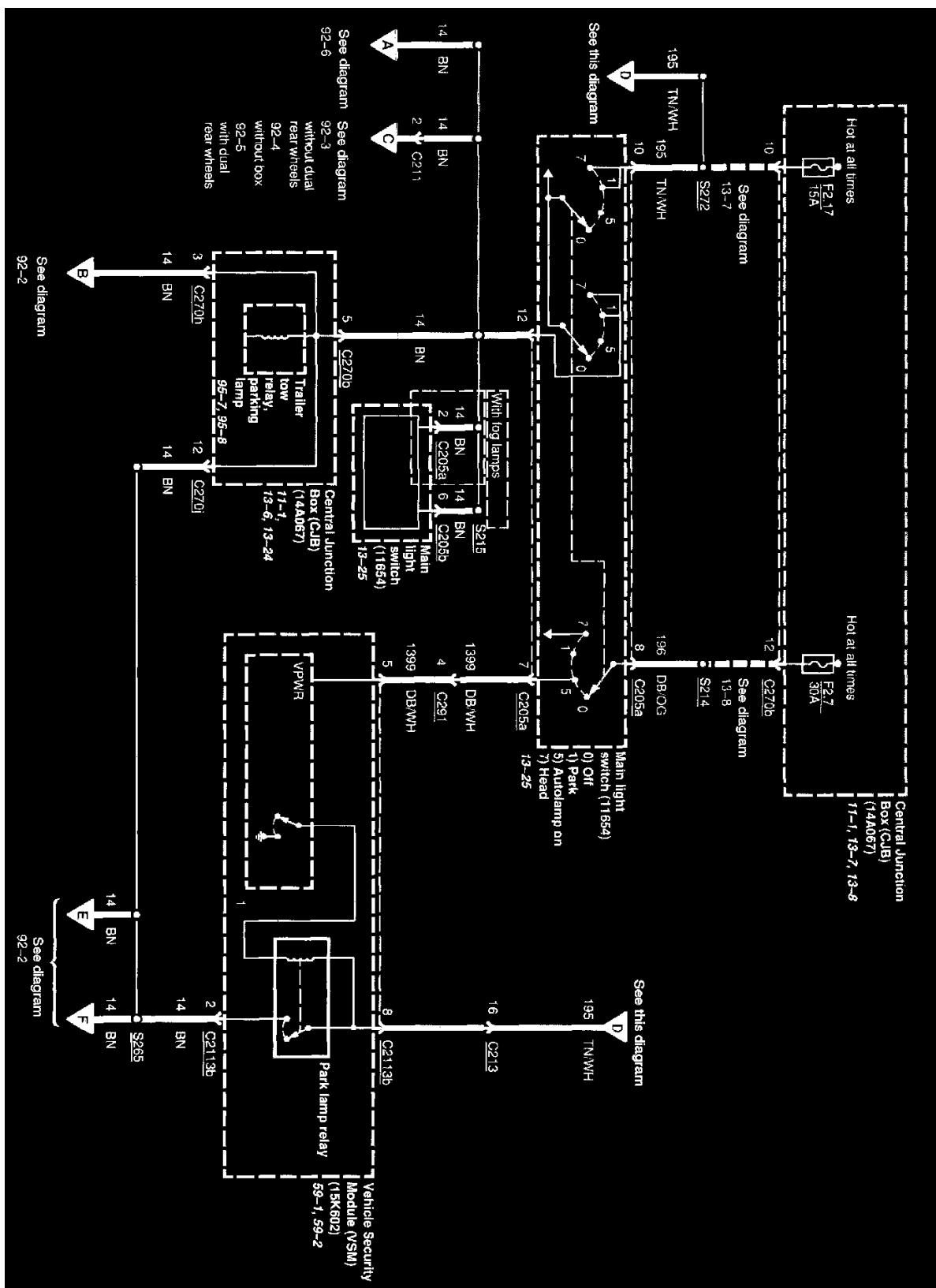


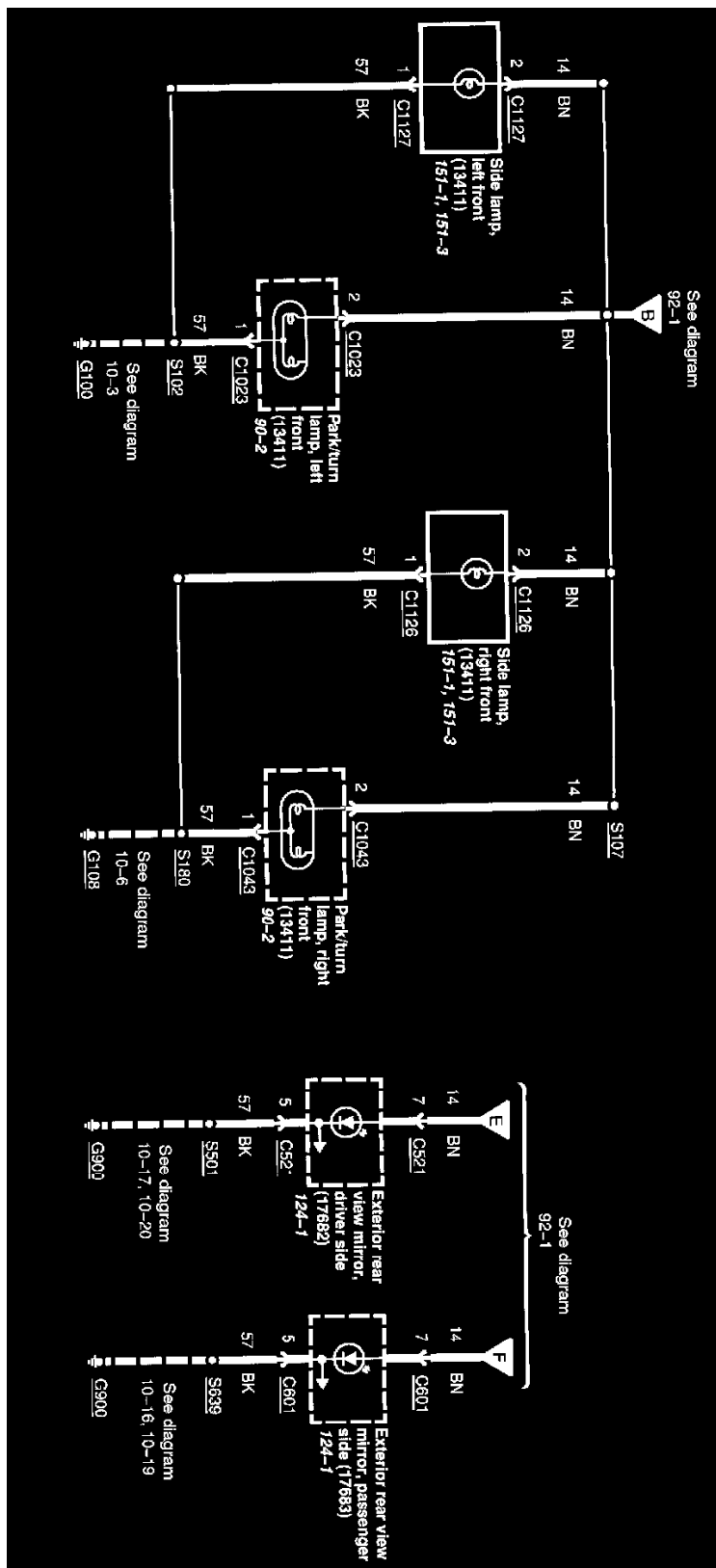
Gasoline





90-6





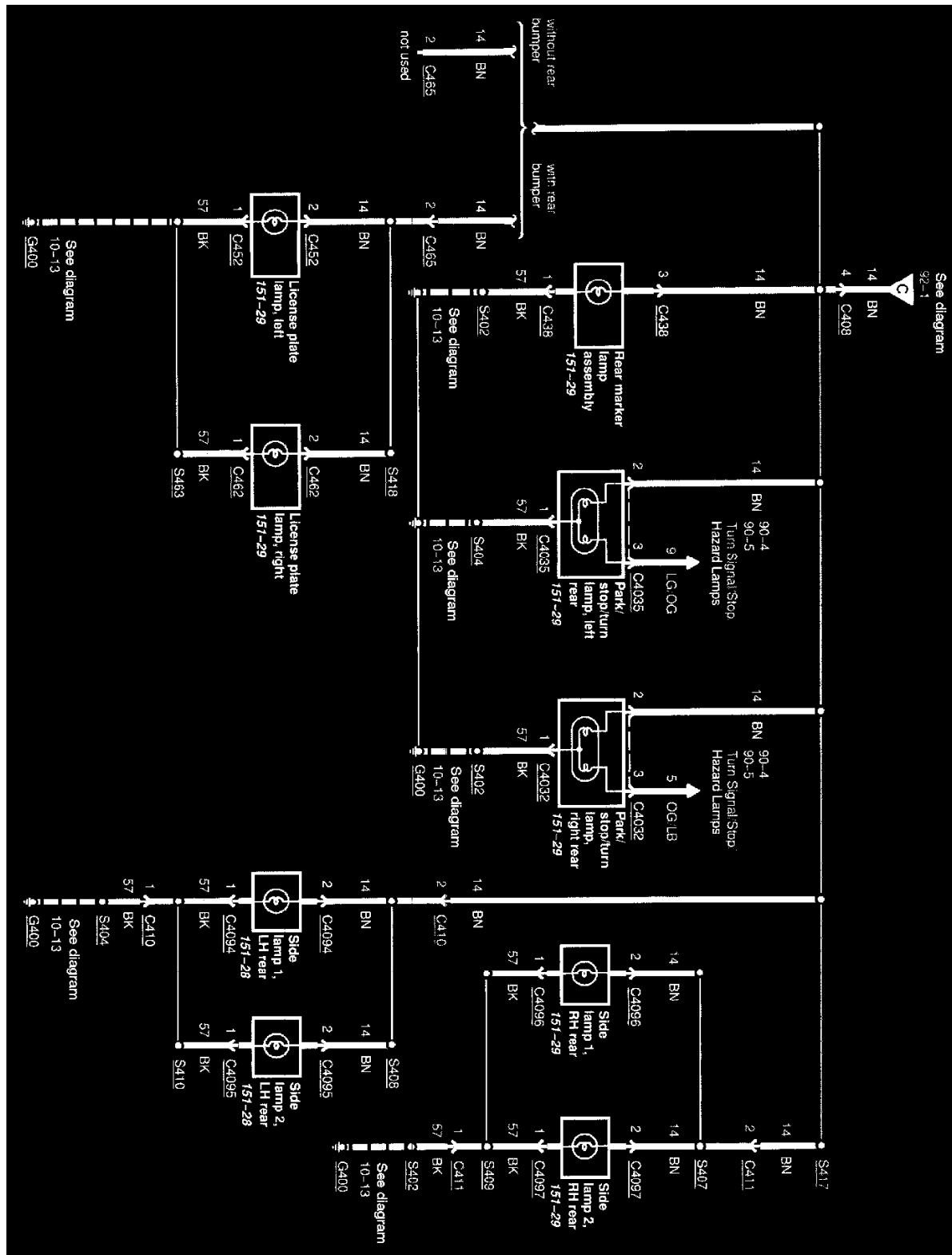
Without dual rear wheels

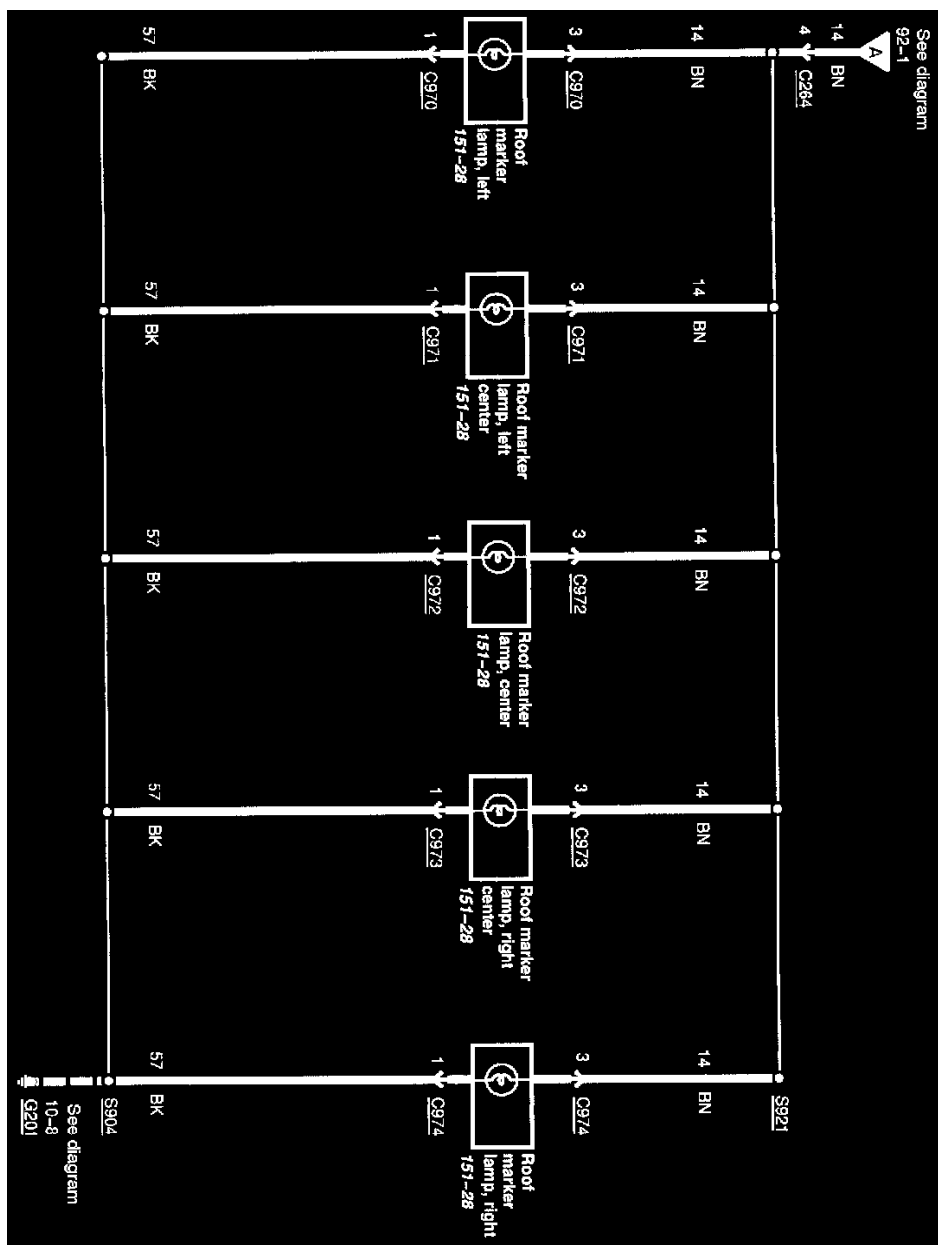
The diagram illustrates a four-way intersection with the following details:

- Northbound Approach:**
 - Signal: C 92-1 (See diagram)
 - Lane 14: BN
 - Lane 14: BN
- Southbound Approach:**
 - Signal: S417
 - Lane 14: BN
 - Lane 14: BN
- Eastbound Approach:**
 - Signal: C422 151-31
 - Lane 140: BK/PK 5 (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 140: OGILB (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 2: 140 (90-2 Reversing Lamps)
 - Lane 3: 140 (90-2 Reversing Lamps)
 - Lane 4: 140 (90-2 Reversing Lamps)
 - to right tail lamps
- Westbound Approach:**
 - Signal: S424
 - Lane 140: BK/PK 9 (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 140: LG/OG (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 2: 140 (90-2 Reversing Lamps)
 - Lane 3: 140 (90-2 Reversing Lamps)
 - Lane 4: 140 (90-2 Reversing Lamps)
 - to left tail lamps
- Intersection Details:**
 - Signal: C423 151-31
 - Lane 140: BK/PK 5 (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 140: OGILB (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 2: 140 (90-2 Reversing Lamps)
 - Lane 3: 140 (90-2 Reversing Lamps)
 - Lane 4: 140 (90-2 Reversing Lamps)
 - to right tail lamps
- Intersection Details:**
 - Signal: S424
 - Lane 140: BK/PK 9 (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 140: LG/OG (90-4 Turn Signal/Stop/Hazard Lamps)
 - Lane 2: 140 (90-2 Reversing Lamps)
 - Lane 3: 140 (90-2 Reversing Lamps)
 - Lane 4: 140 (90-2 Reversing Lamps)
 - to left tail lamps

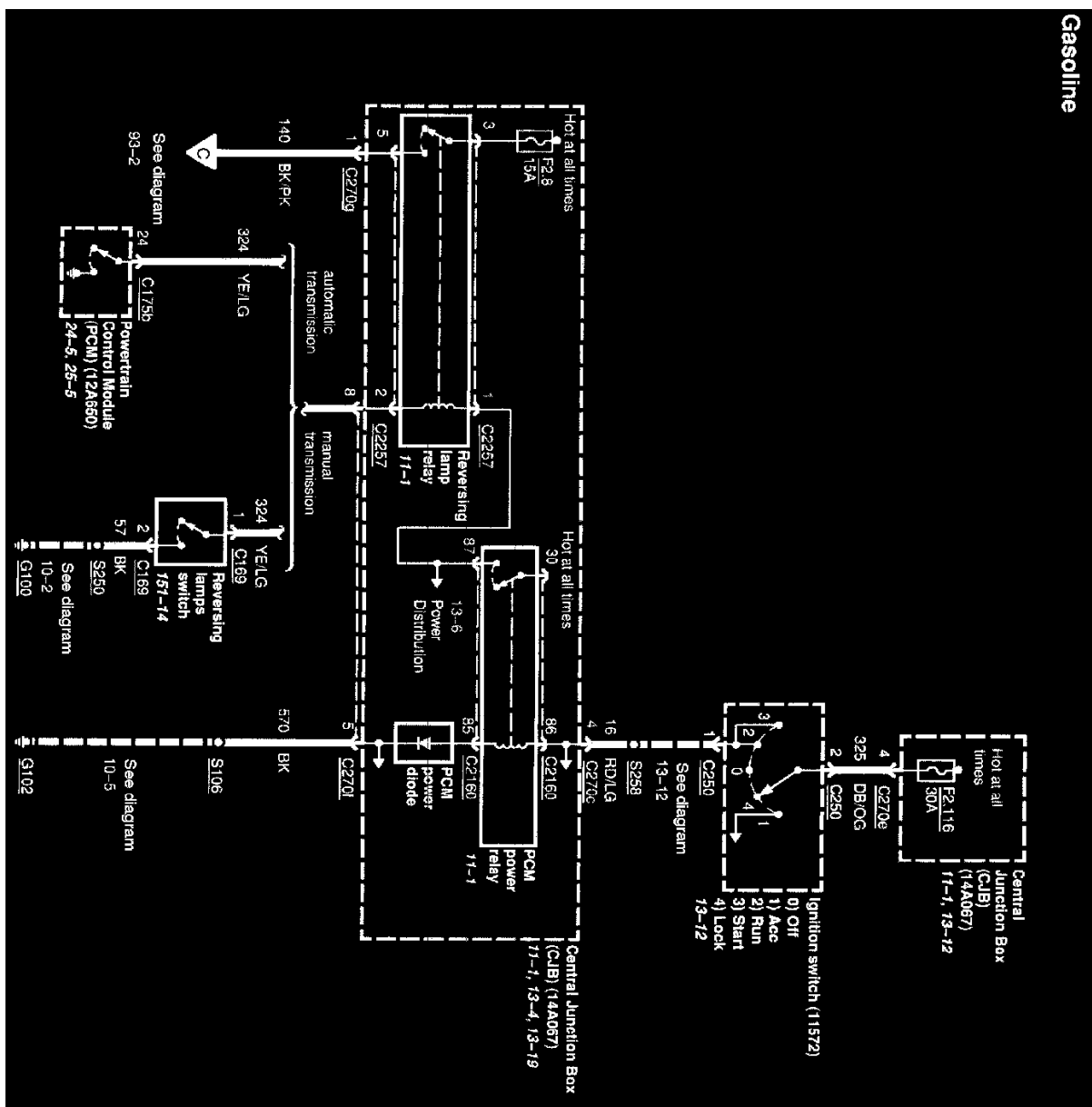
92-4

With dual rear wheels



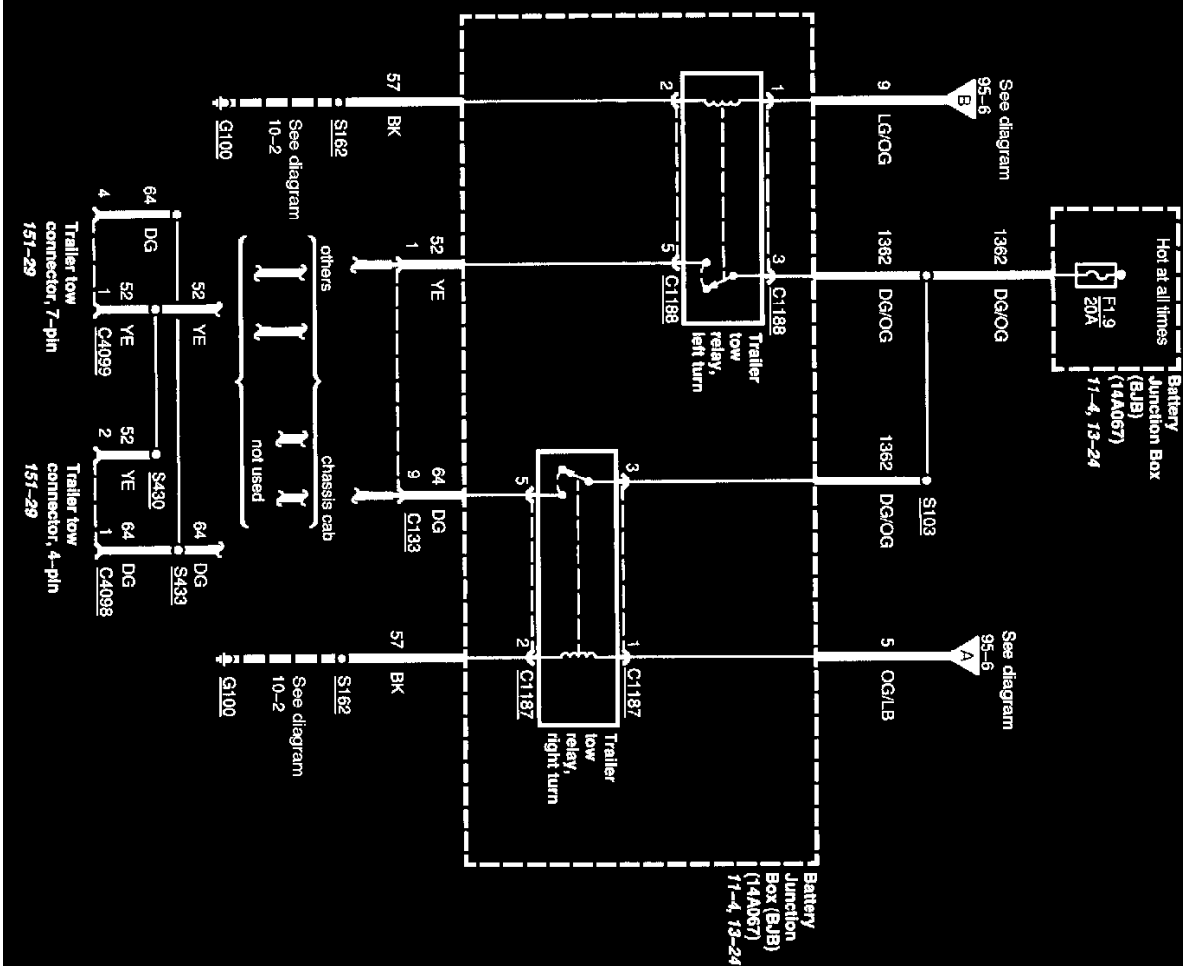


Gasoline



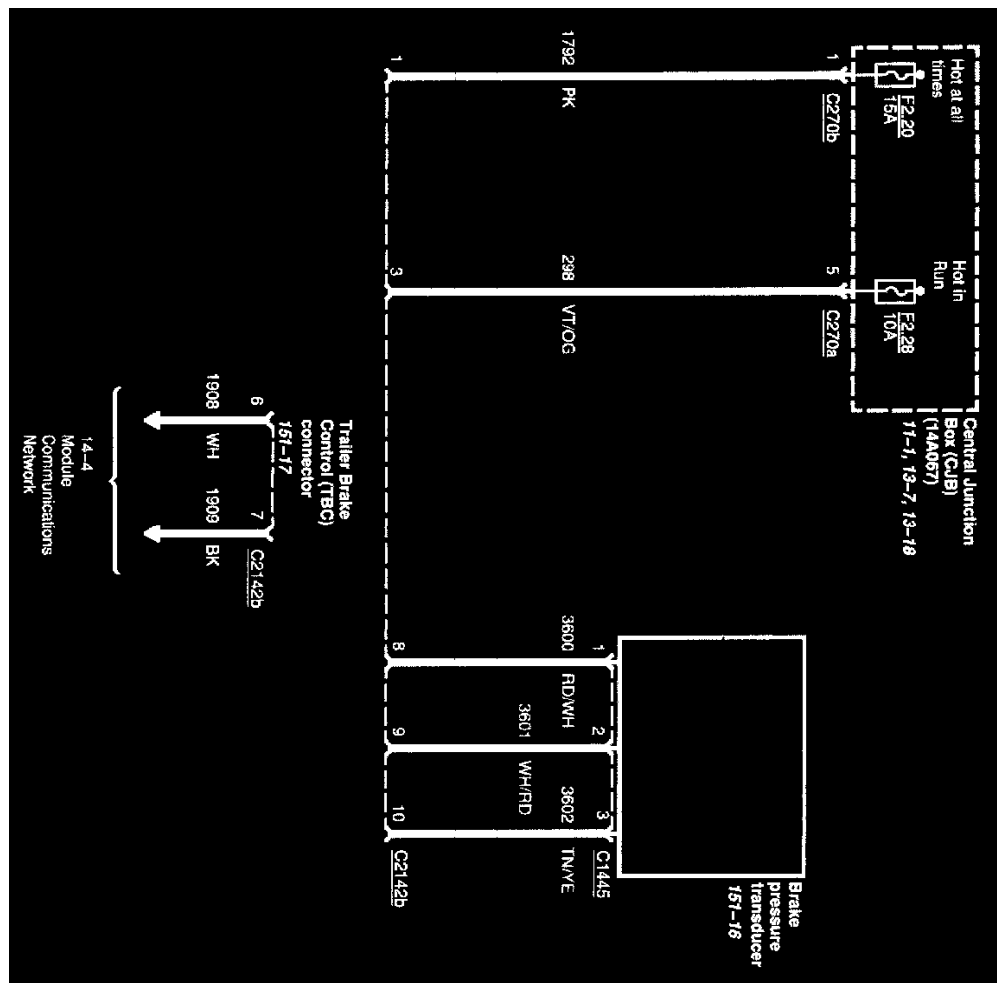
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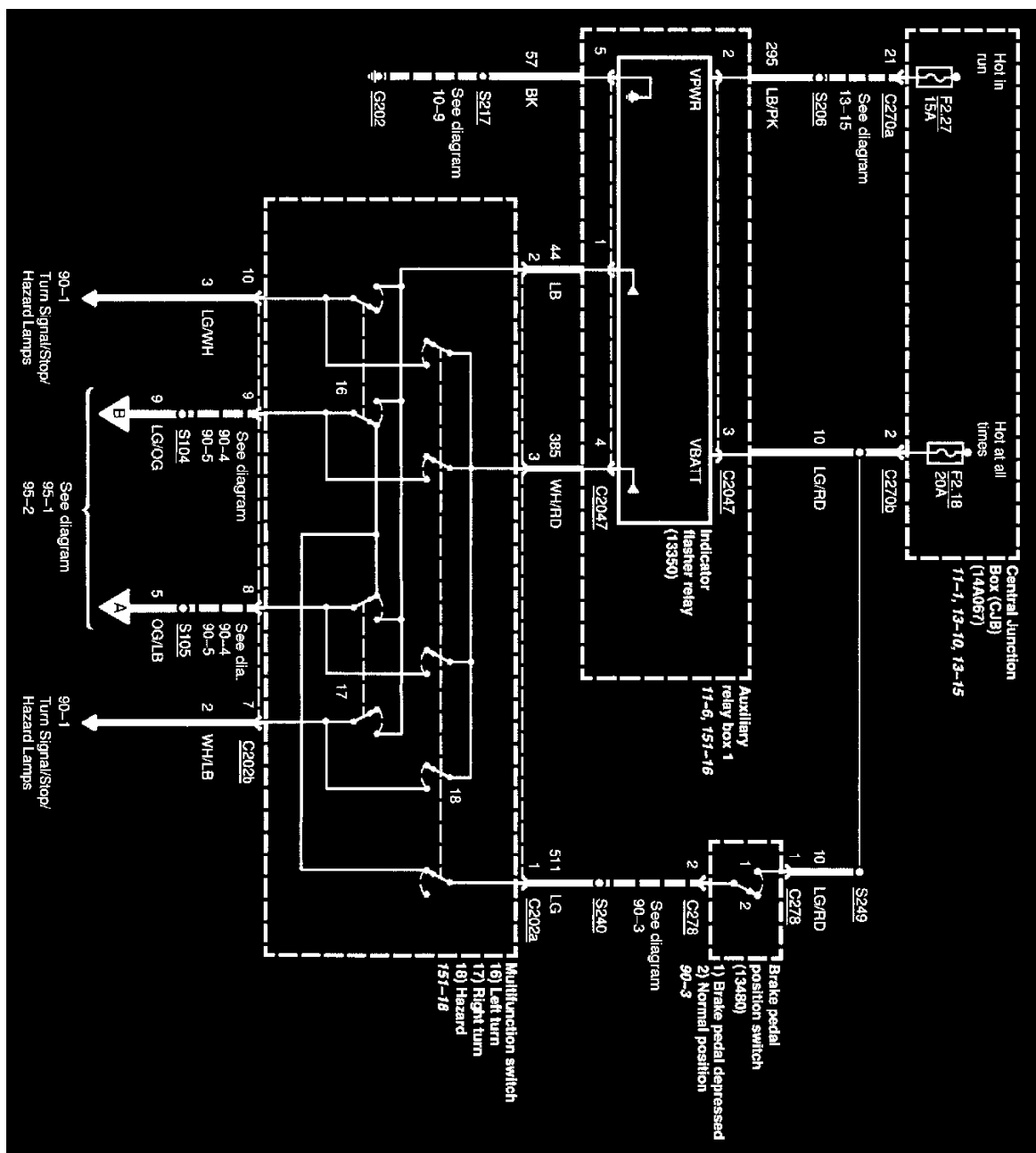
Gasoline



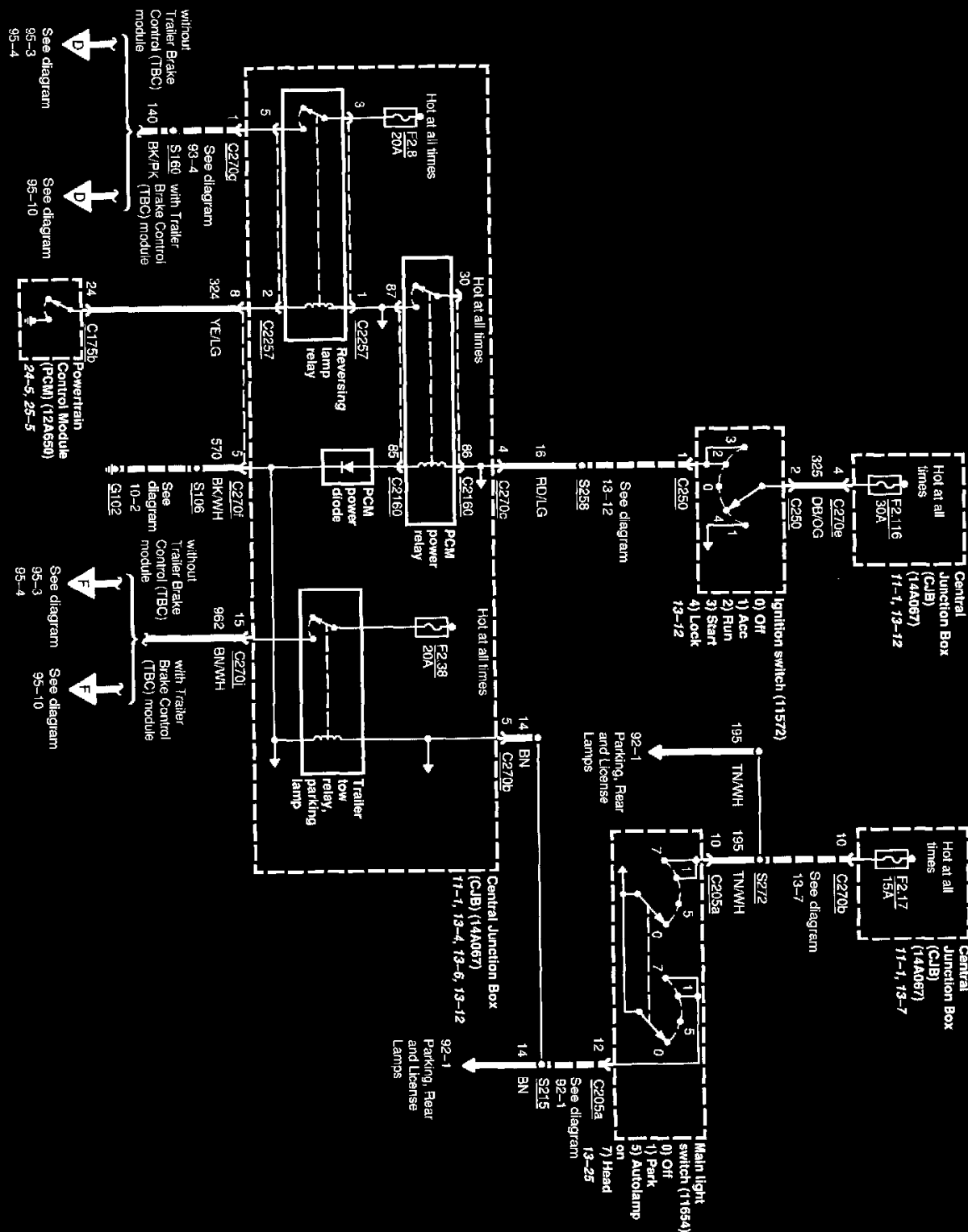


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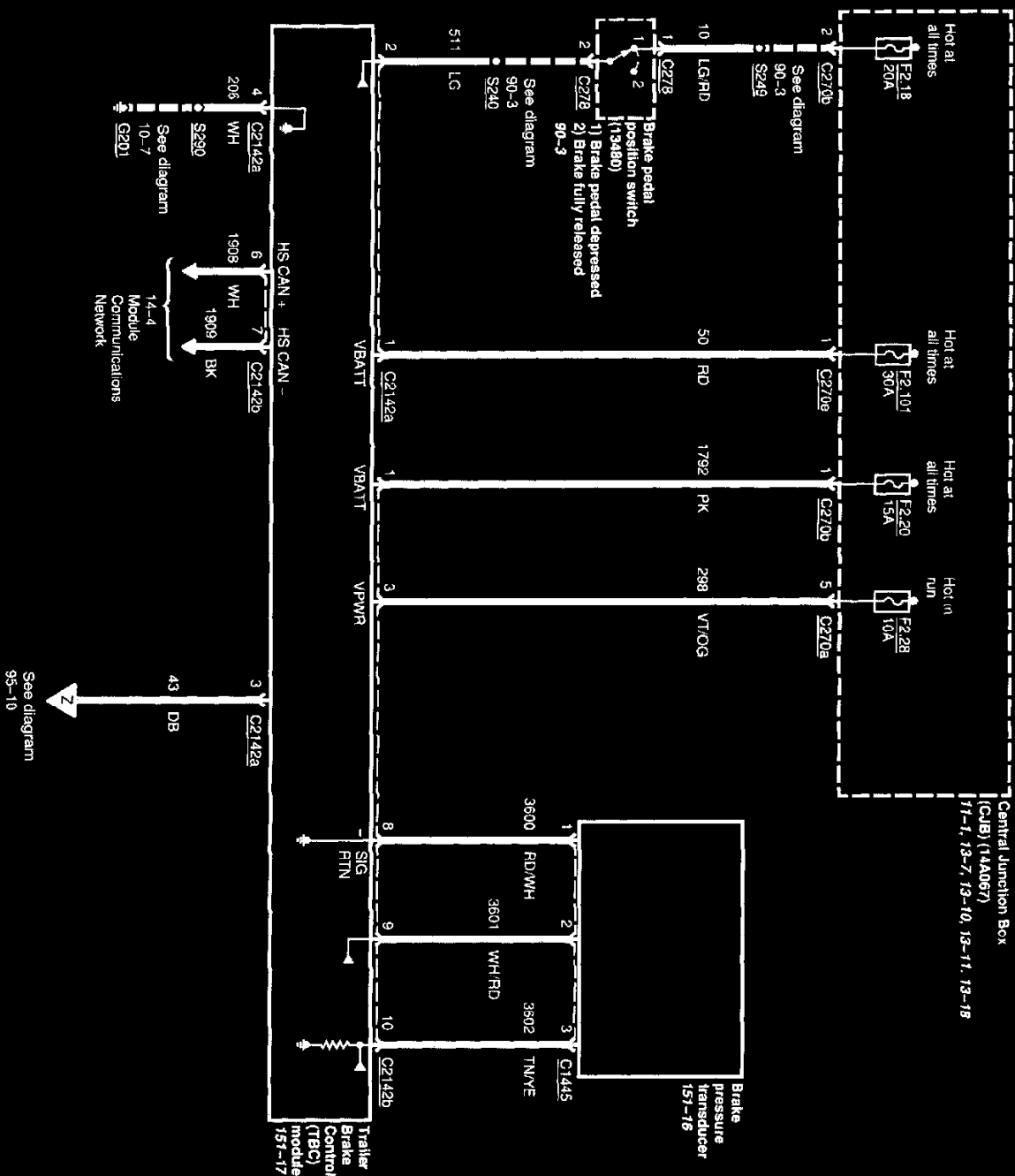




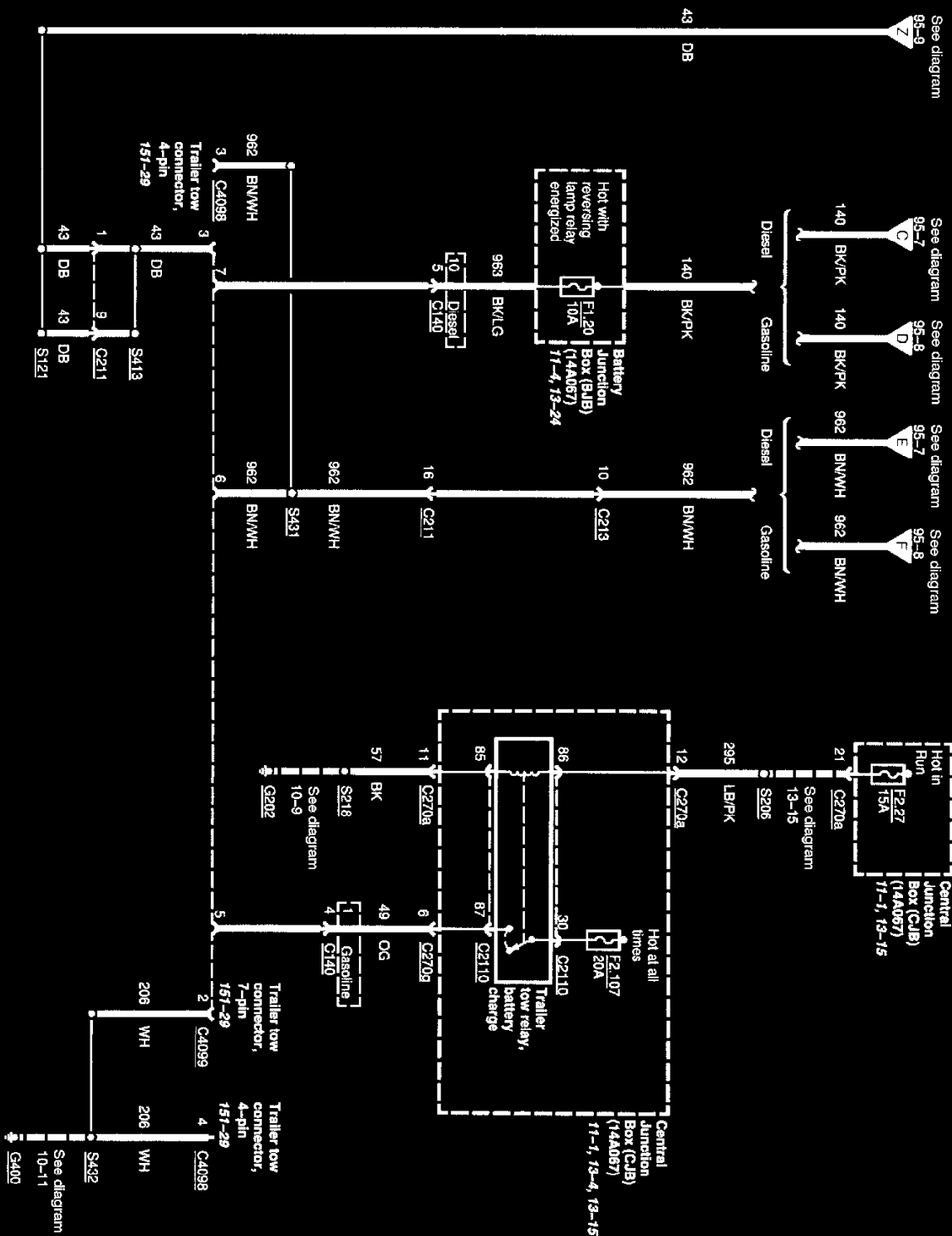
Gasoline

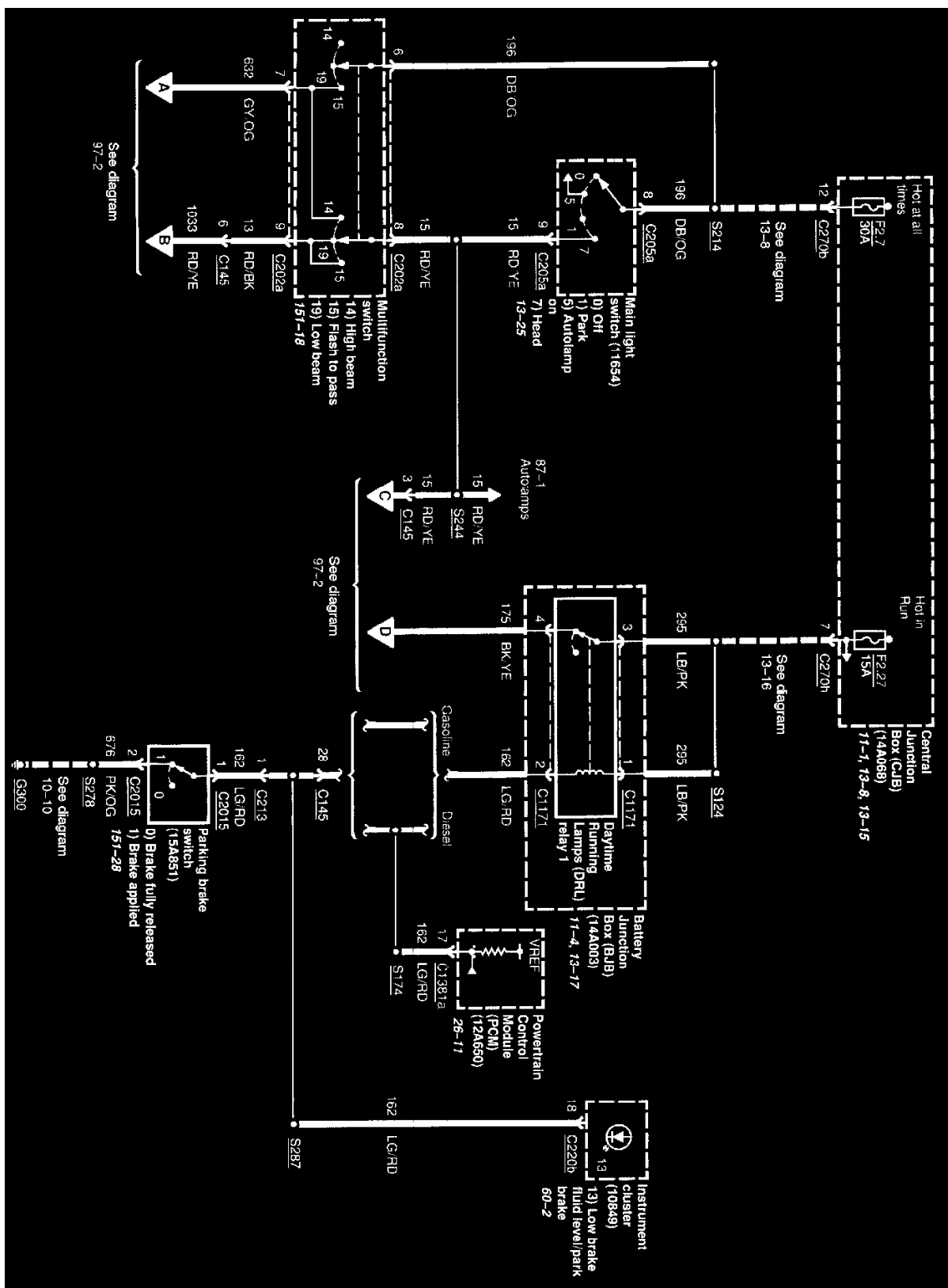


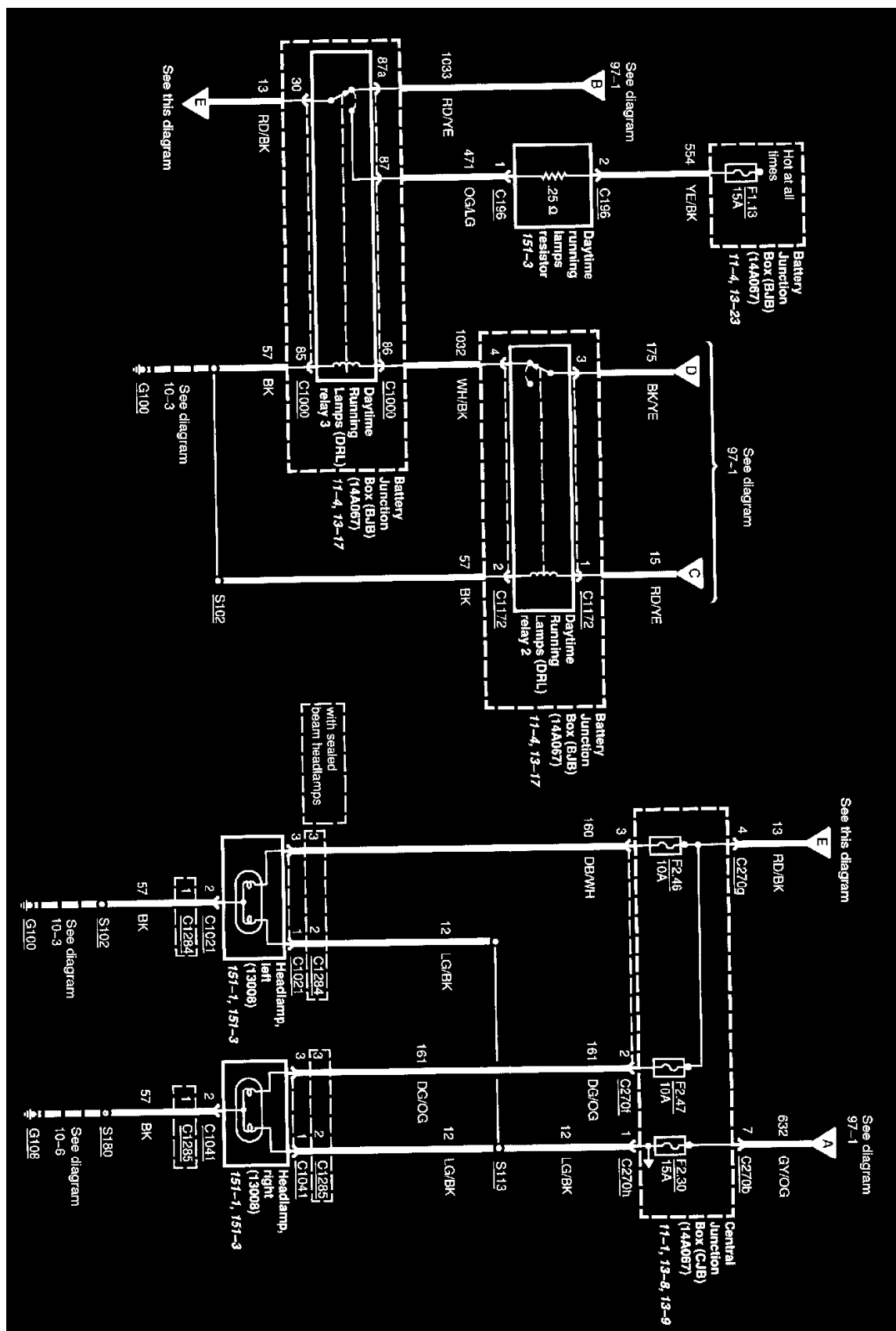
with Trailer Brake Control (TBC) module

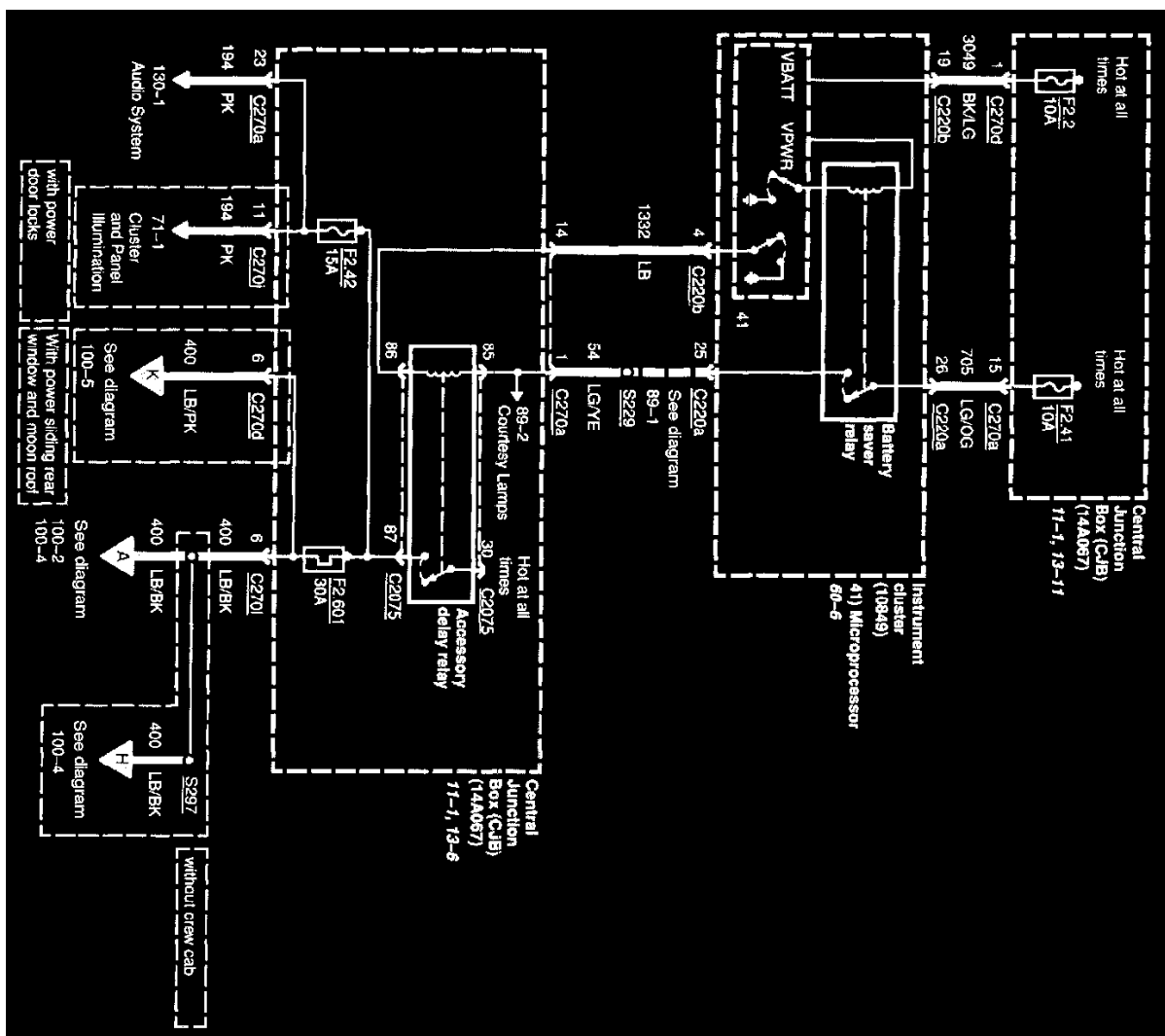


With Trailer Brake Control (TBC) module

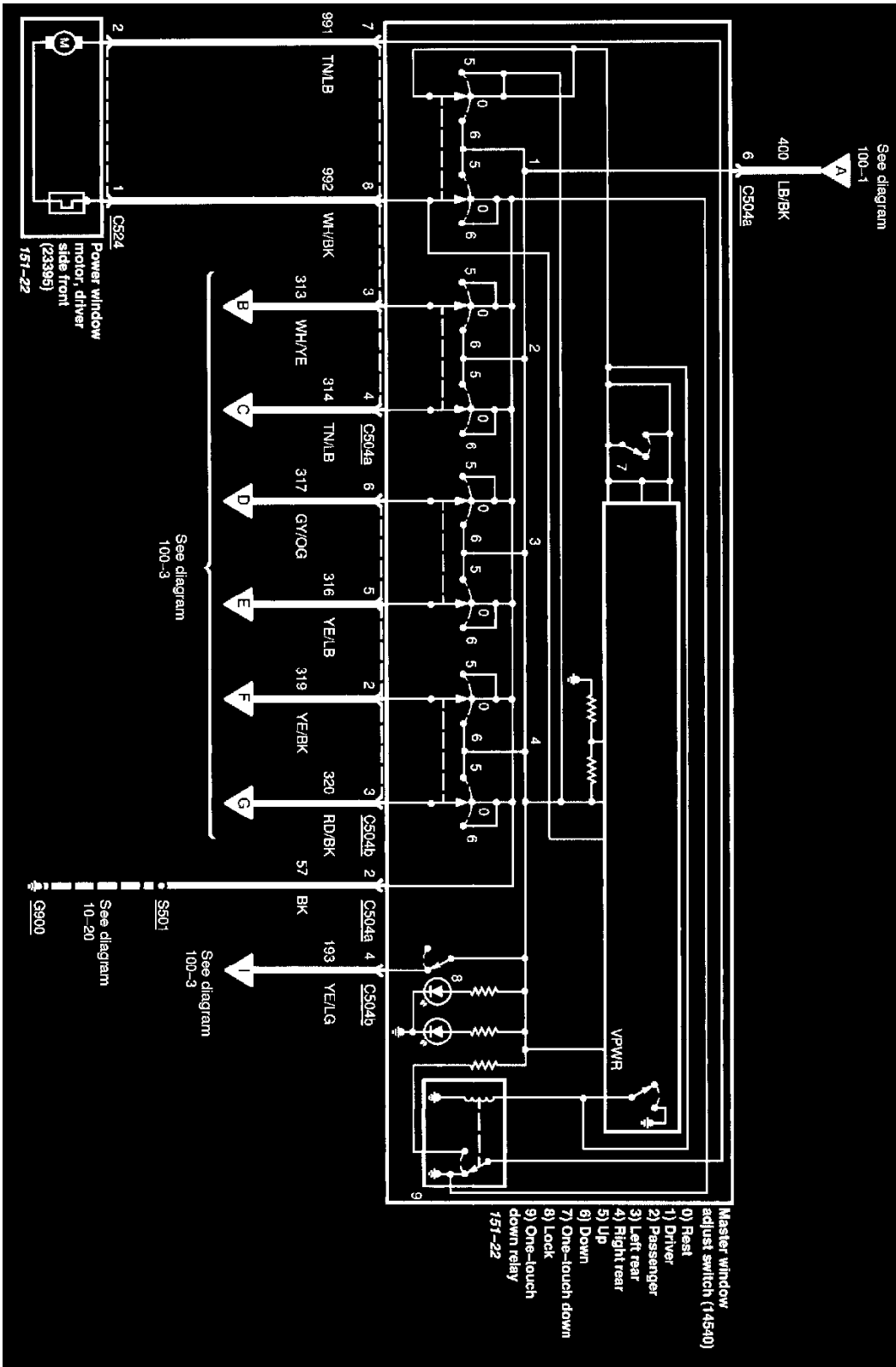




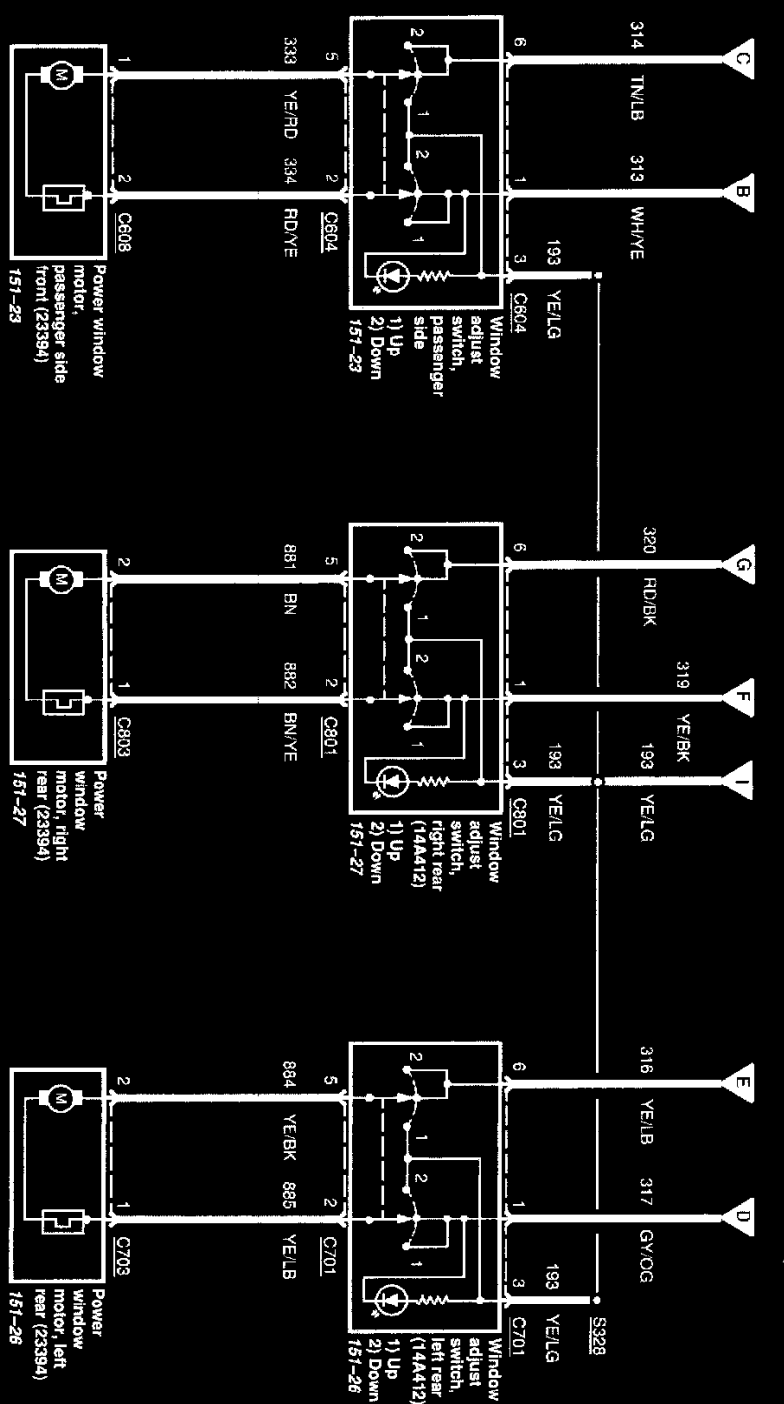




with crew cab

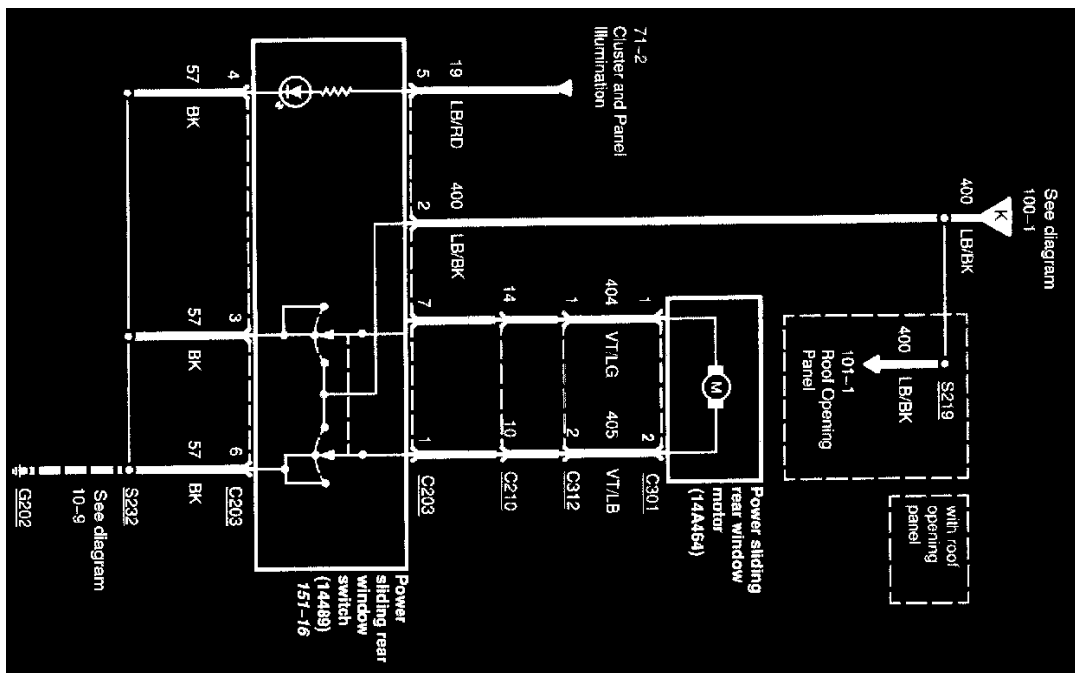


with crew cab

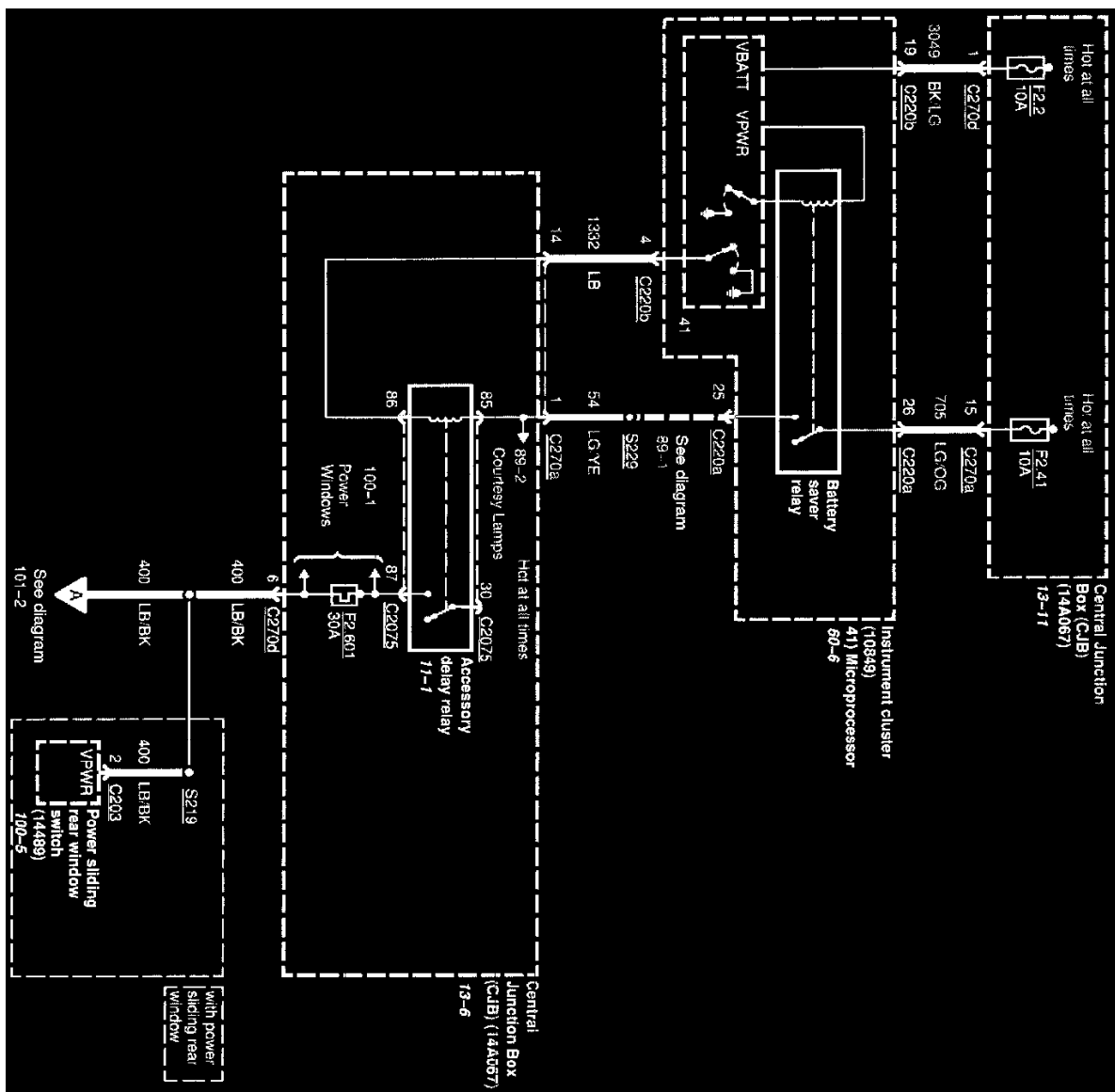
See diagram
100-2

See diagram
100-1

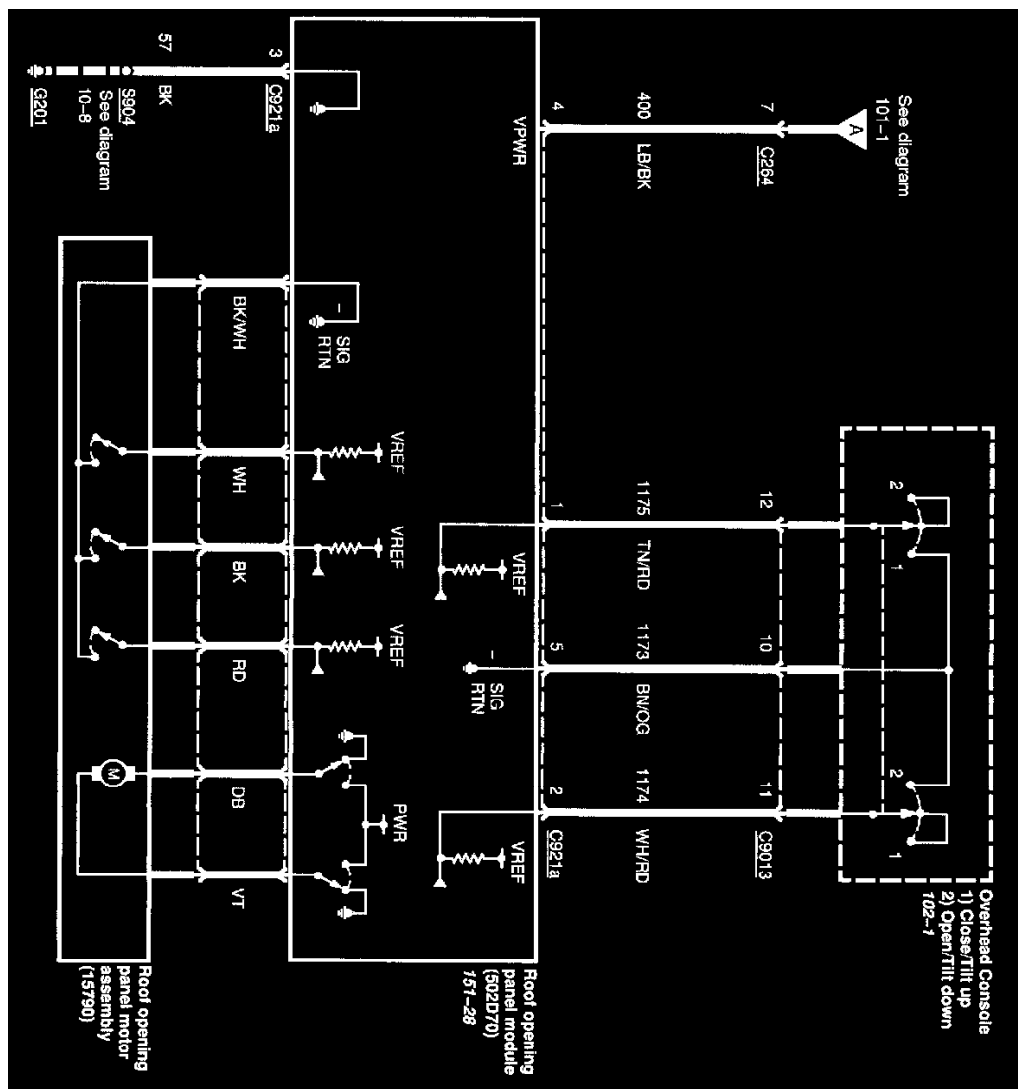




100-5

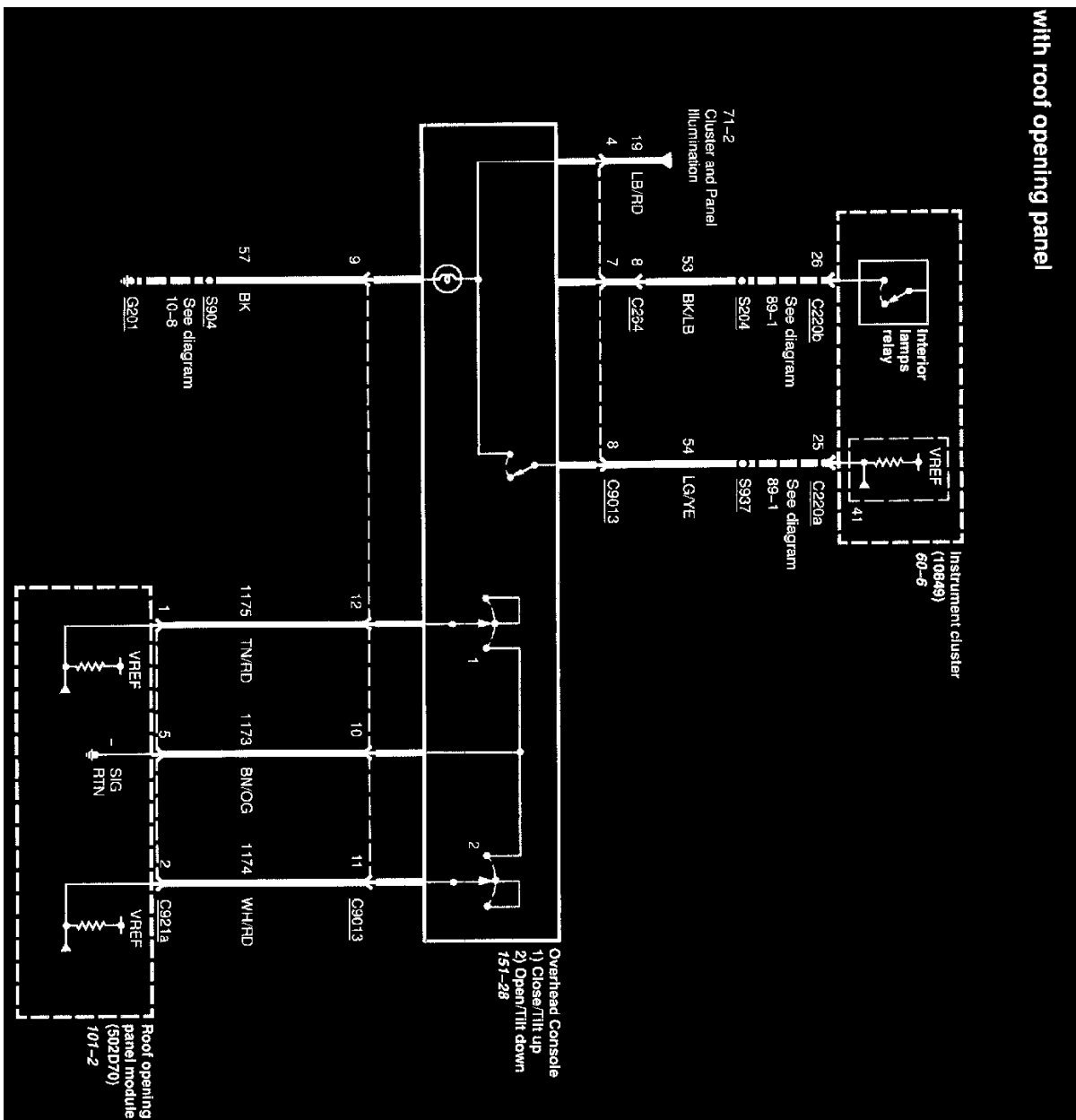


101-1



101-2

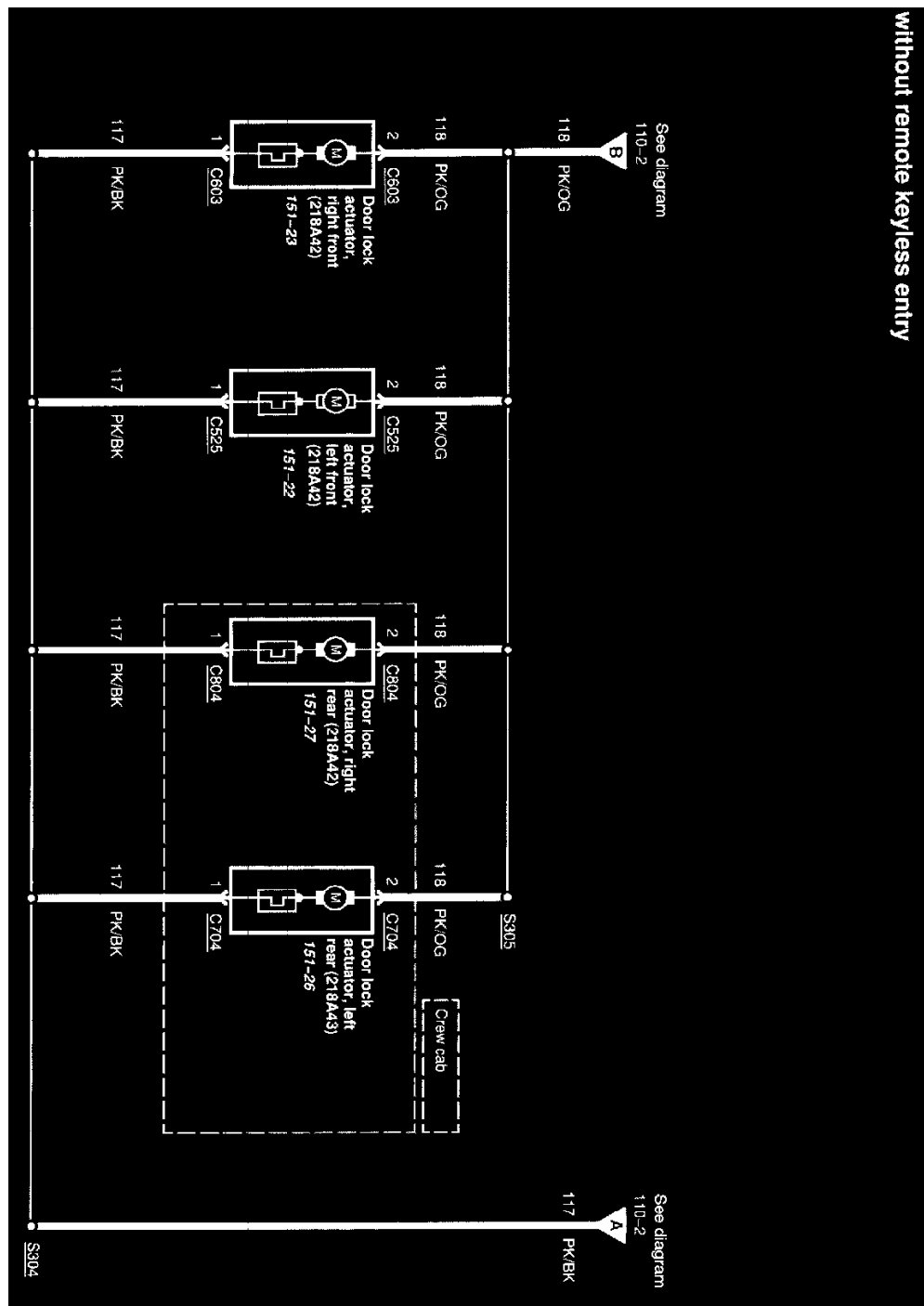
with roof opening panel



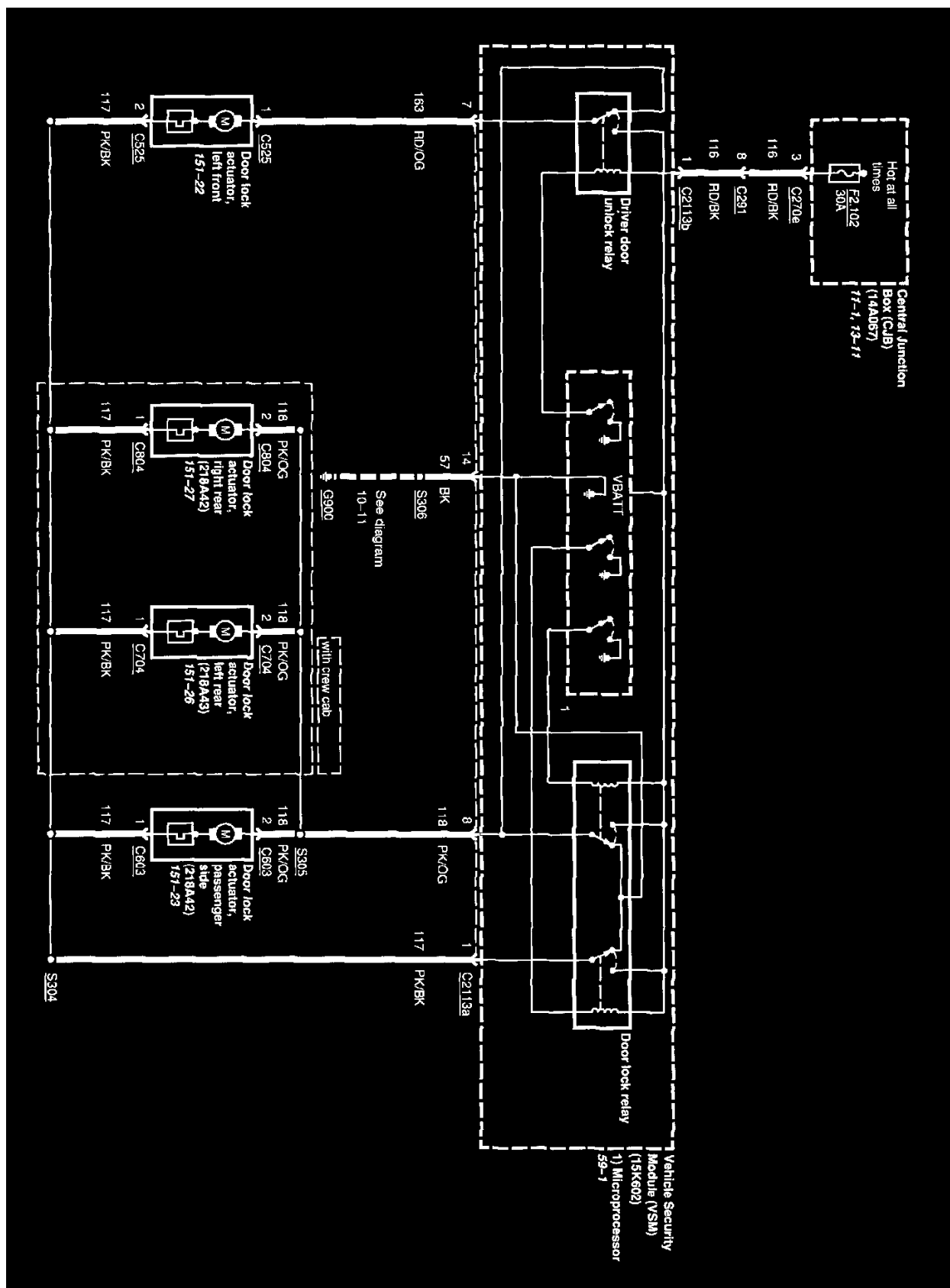


[illegible]

without remote keyless entry

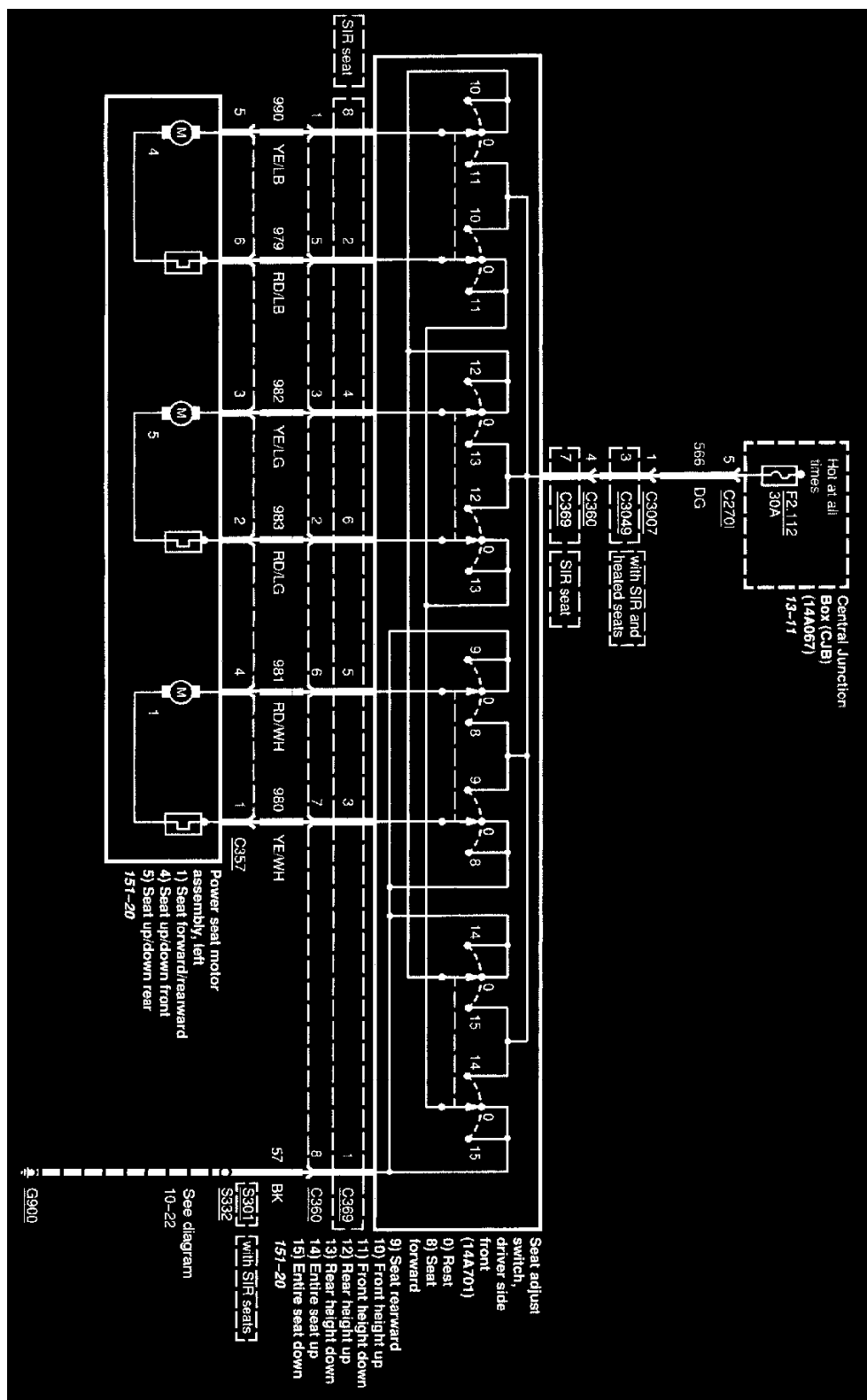




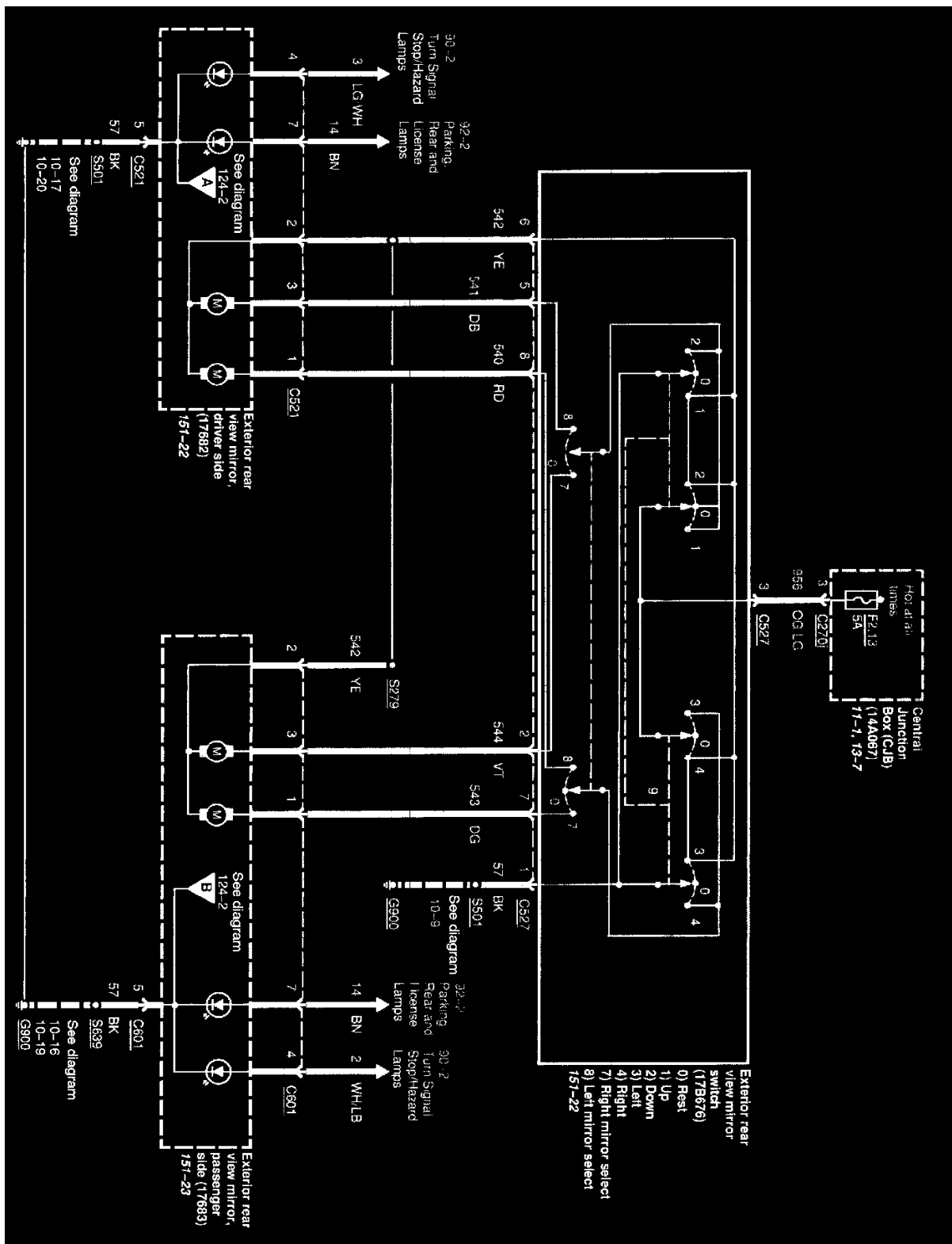






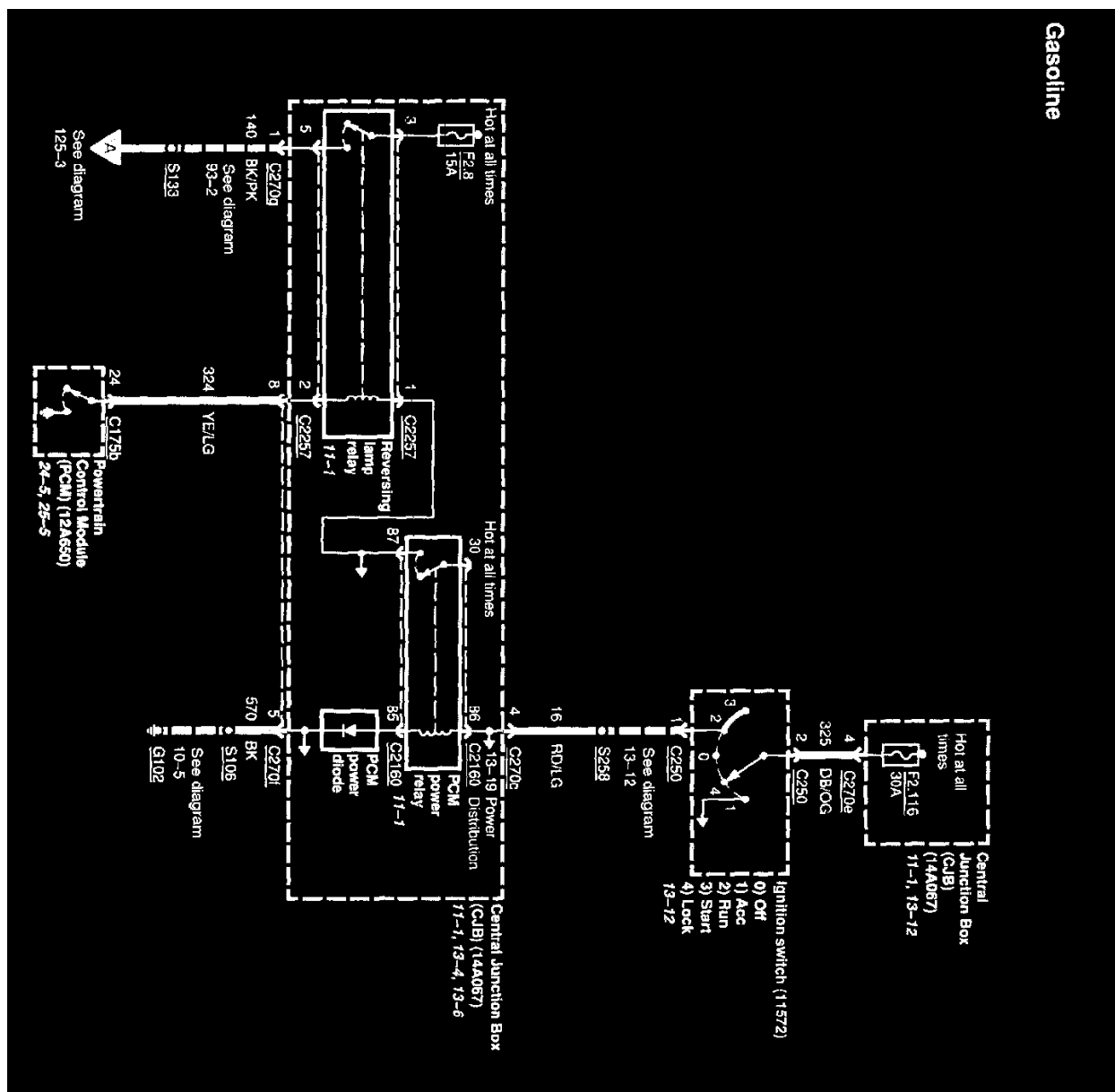








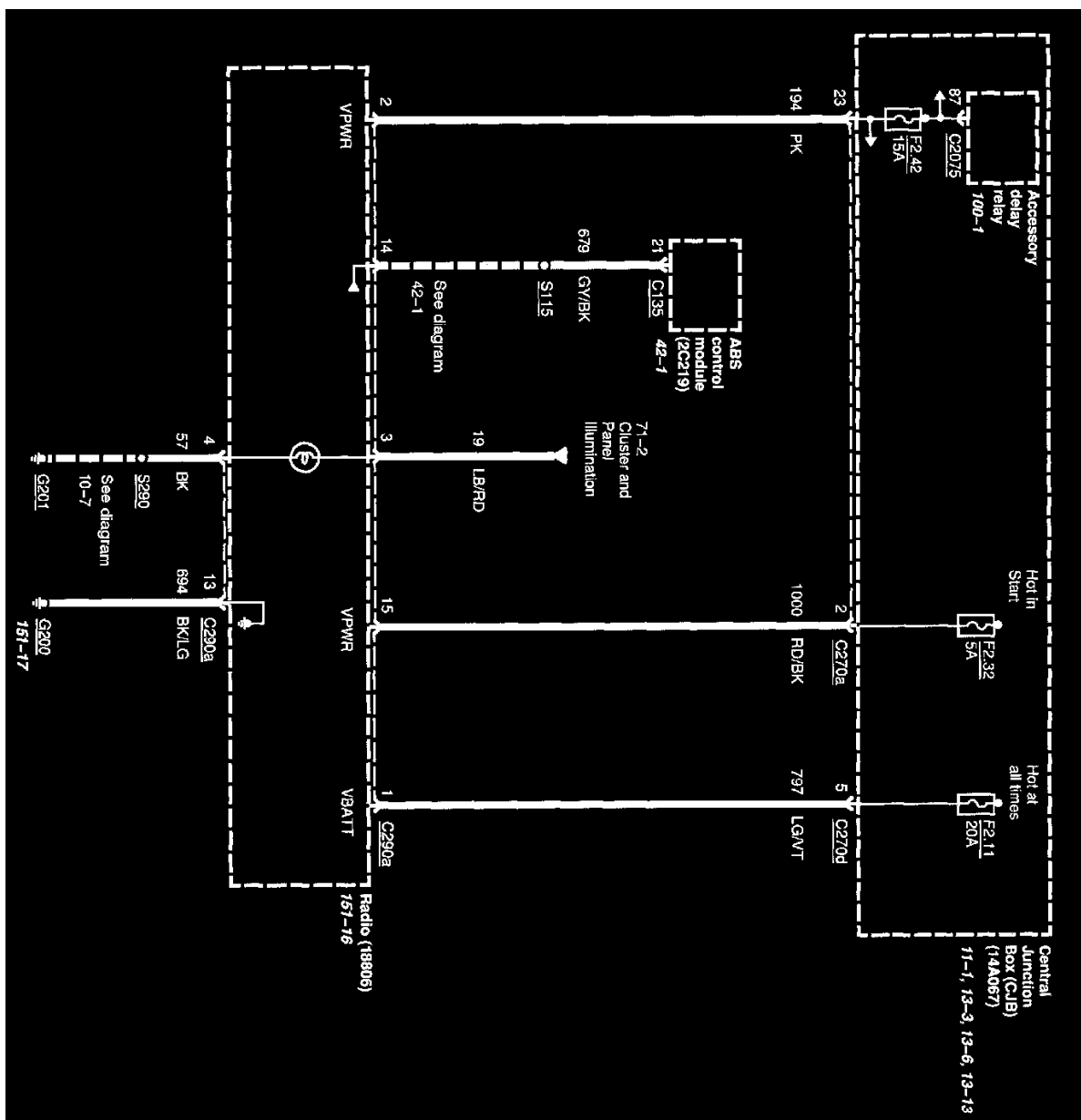
Gasoline

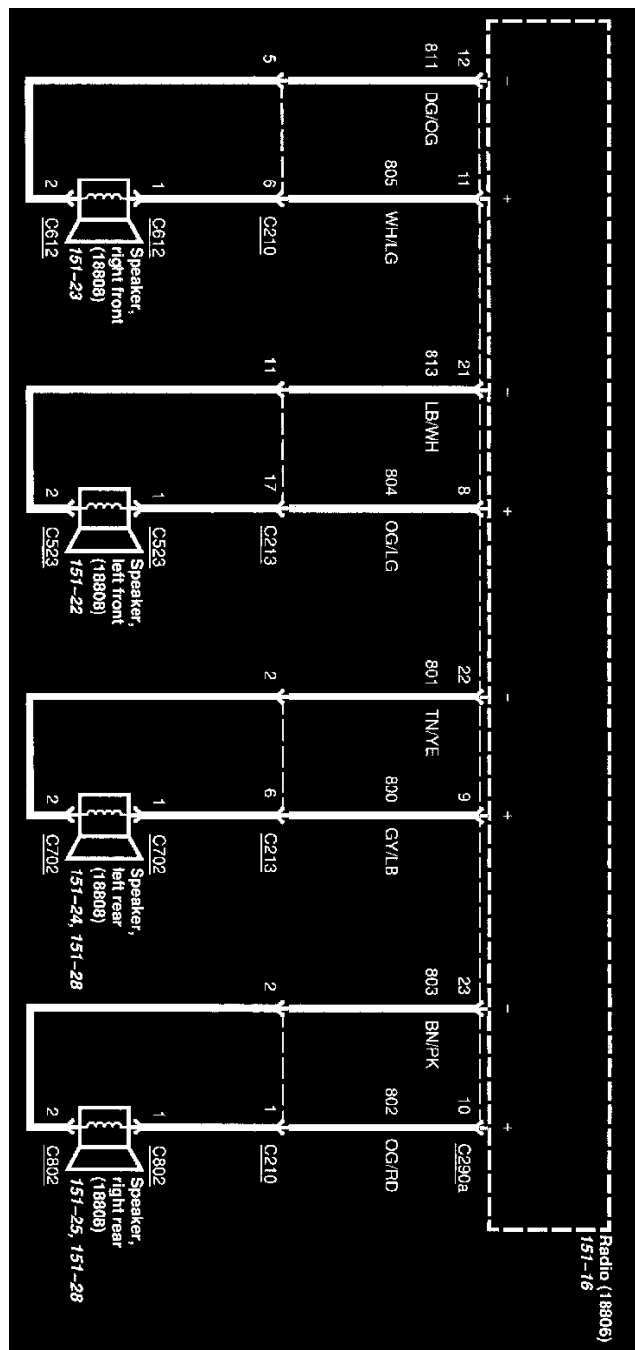


125-1

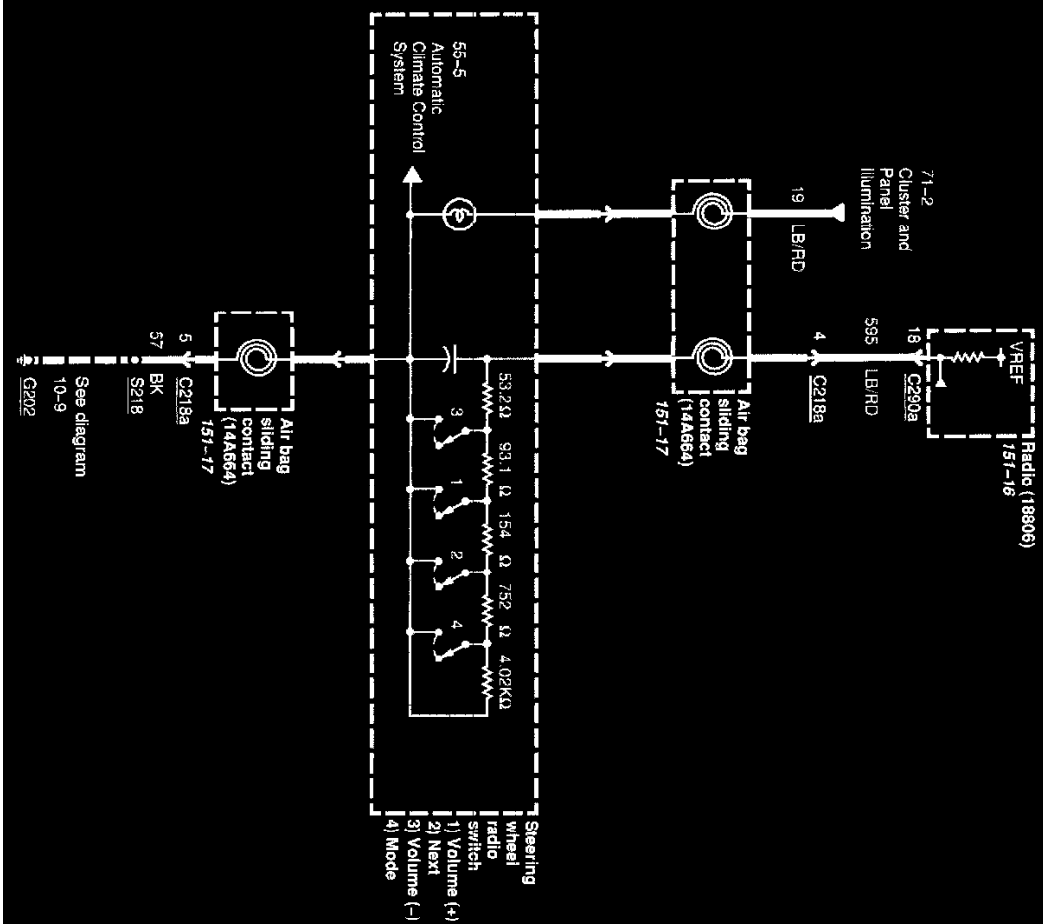


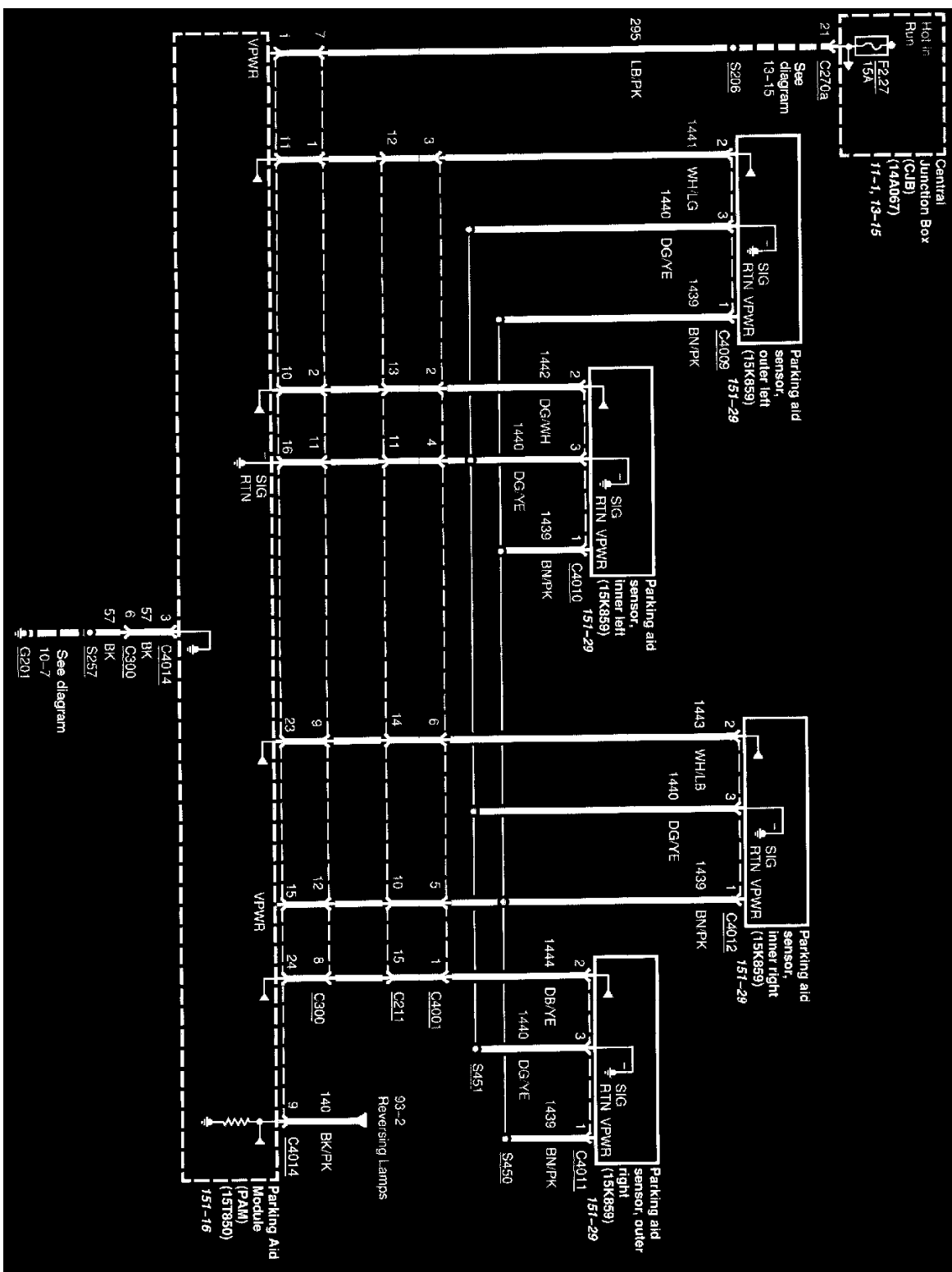


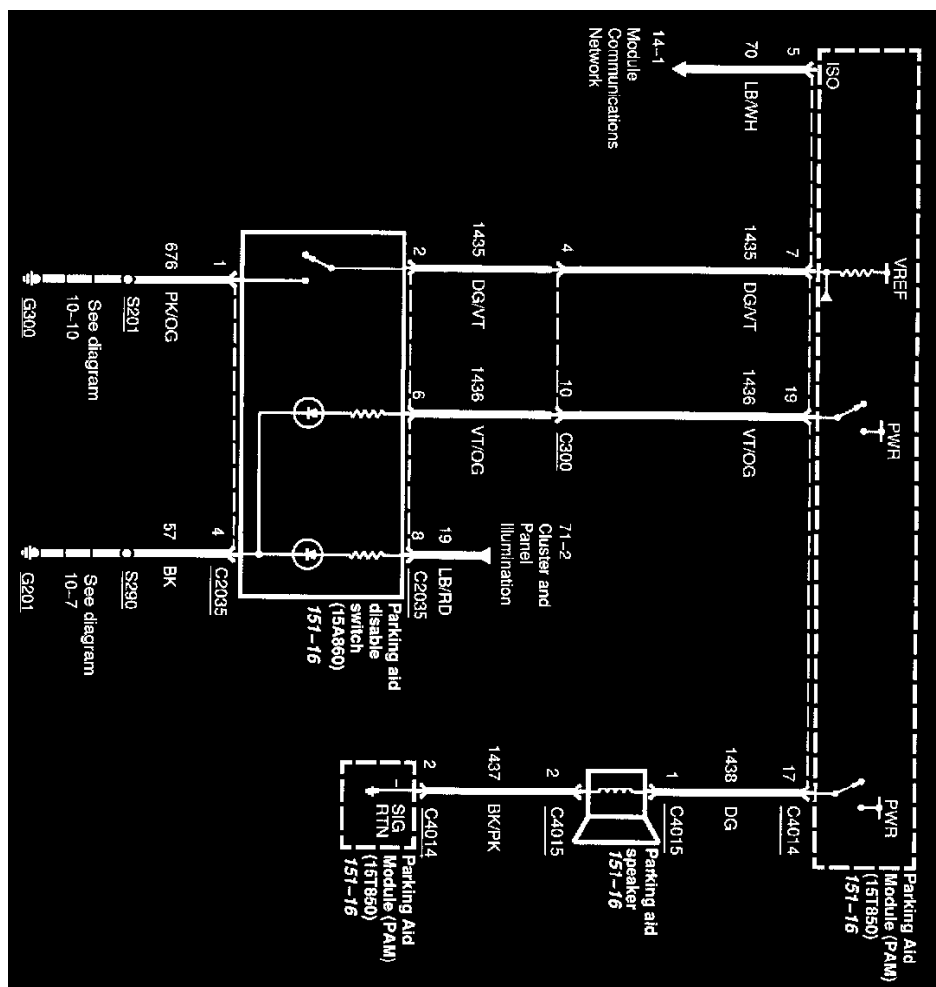




with steering wheel controls





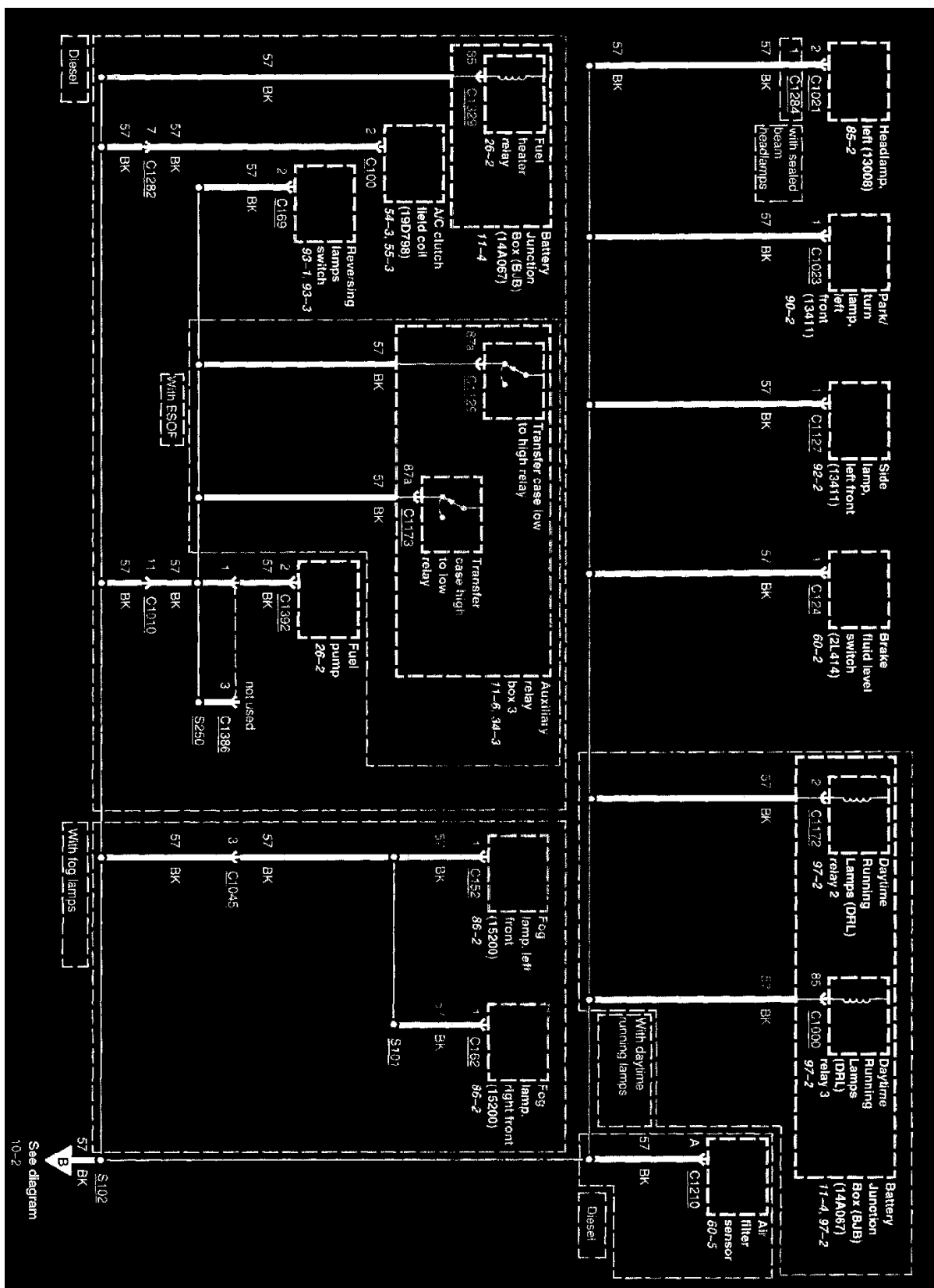






PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





10-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

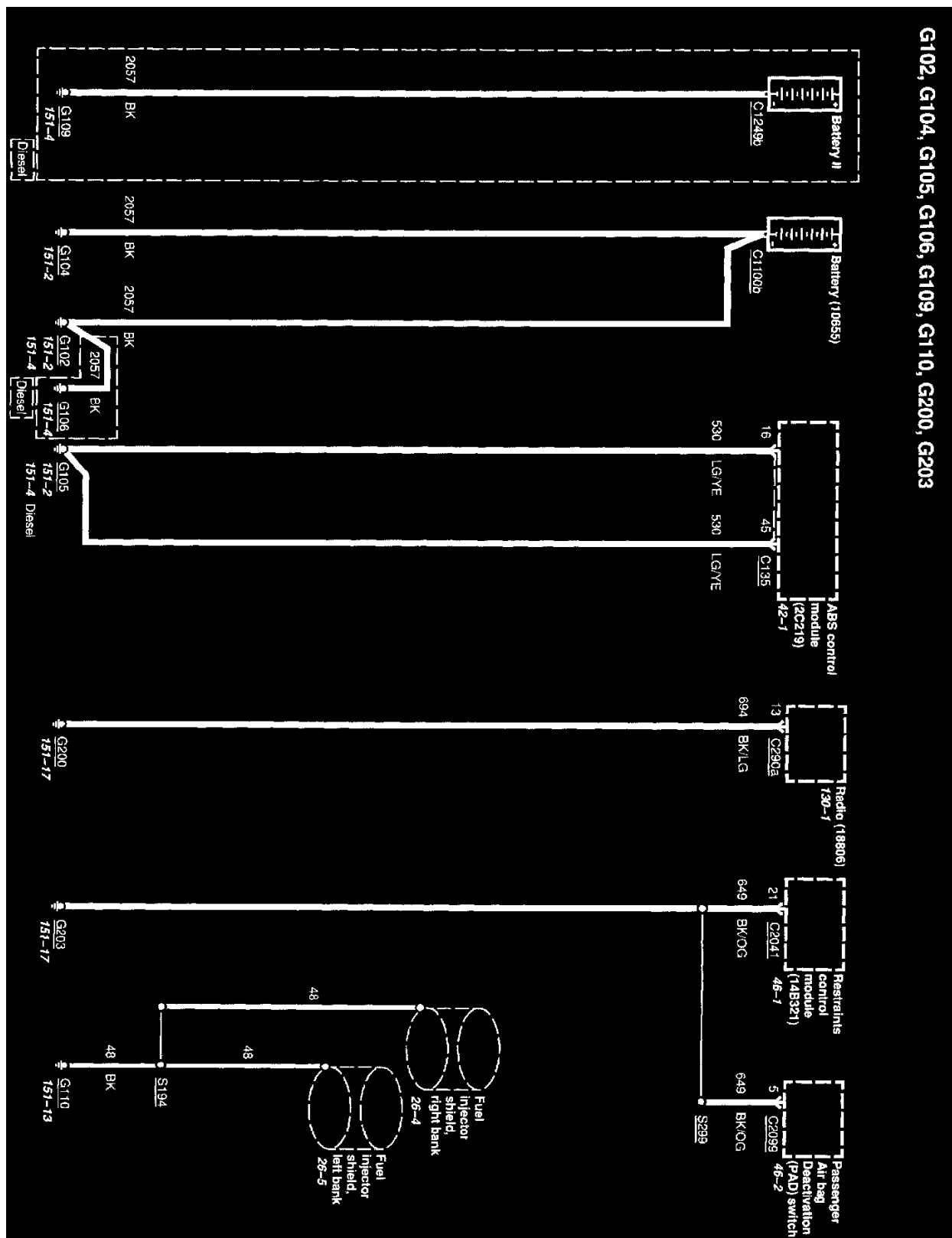
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

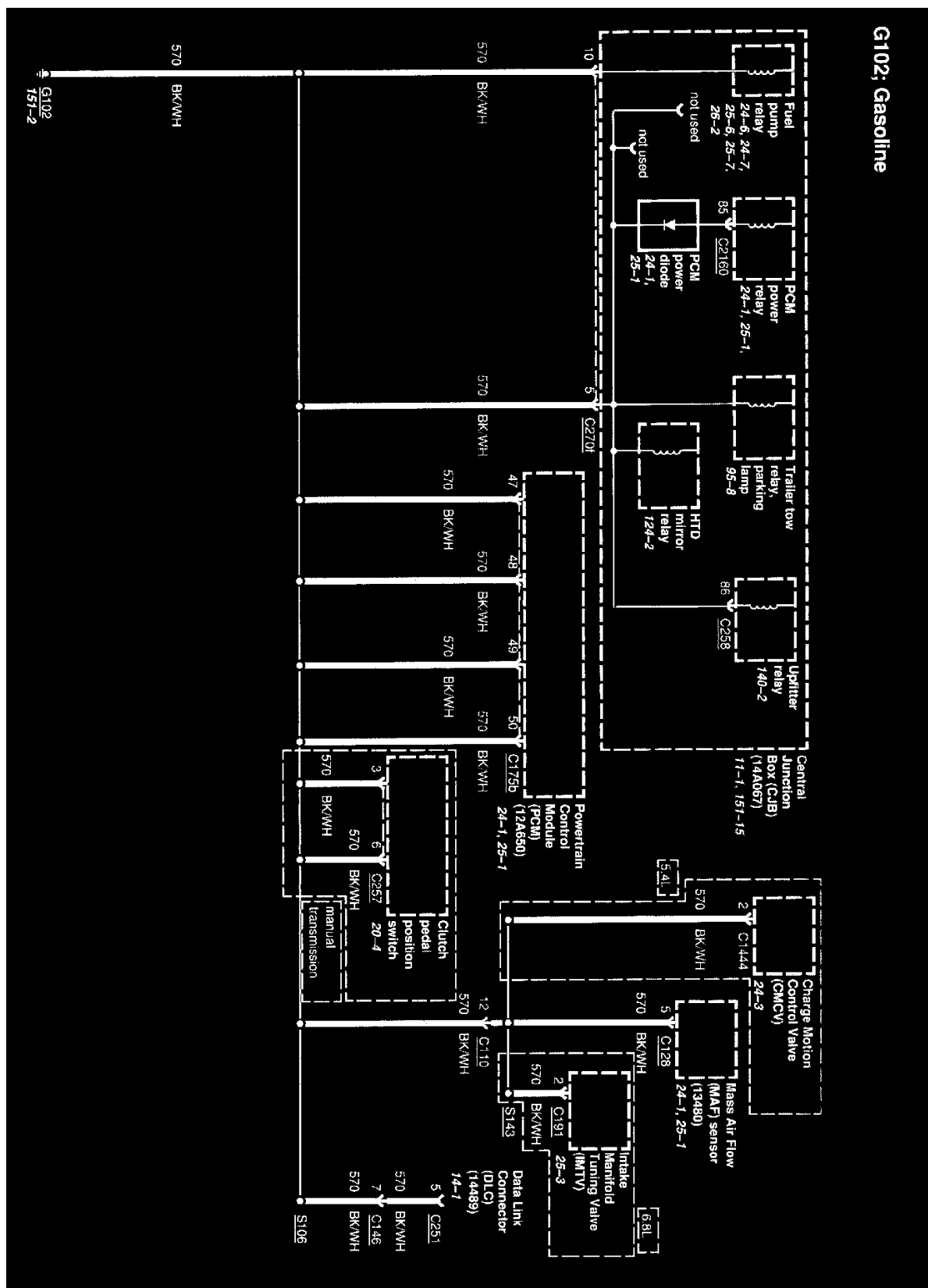
G102

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

not apply to the vehicle model selected.

G102, G104, G105, G106, G109, G110, G200, G203





10-5

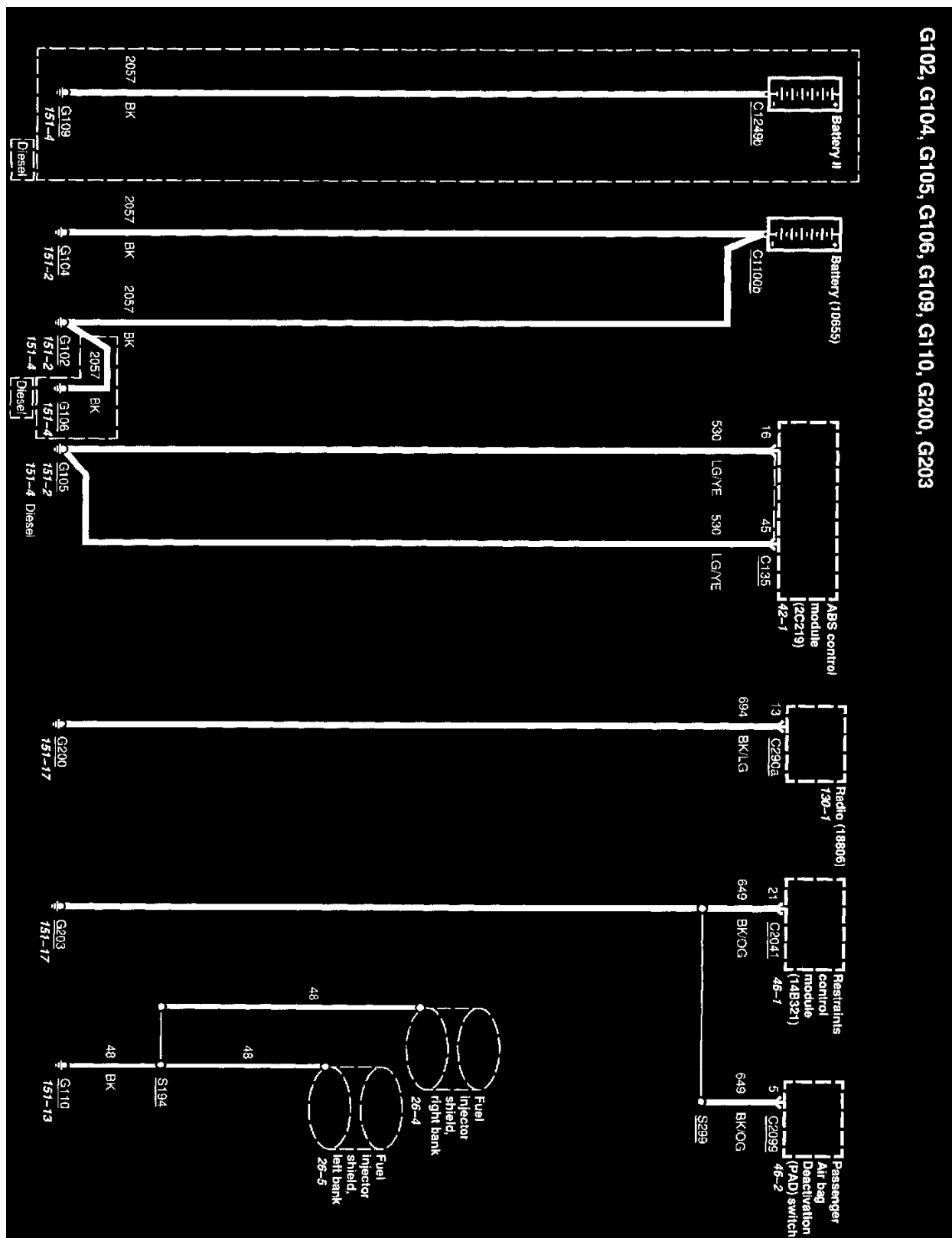
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

G104

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

not apply to the vehicle model selected.



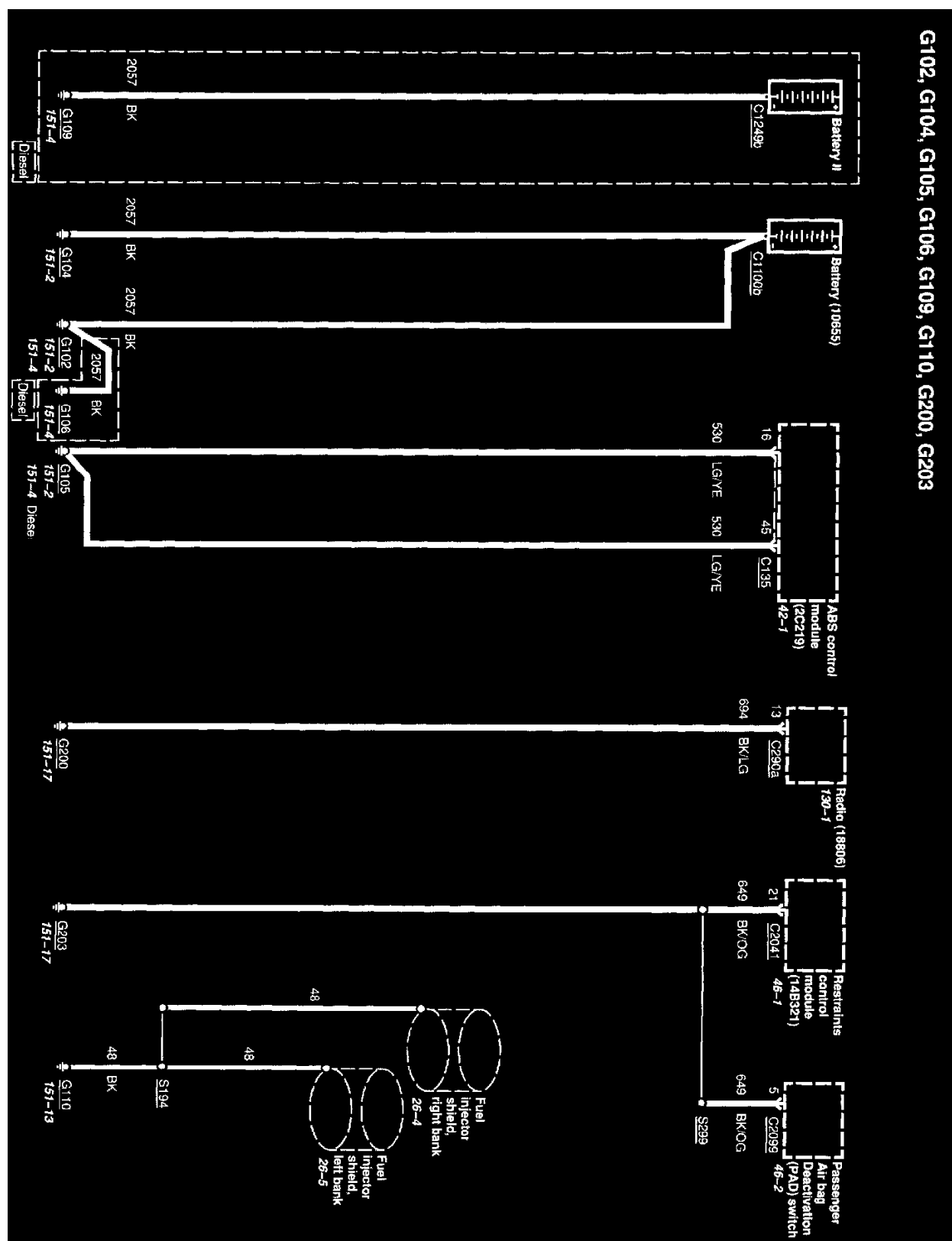
10-1

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G105

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



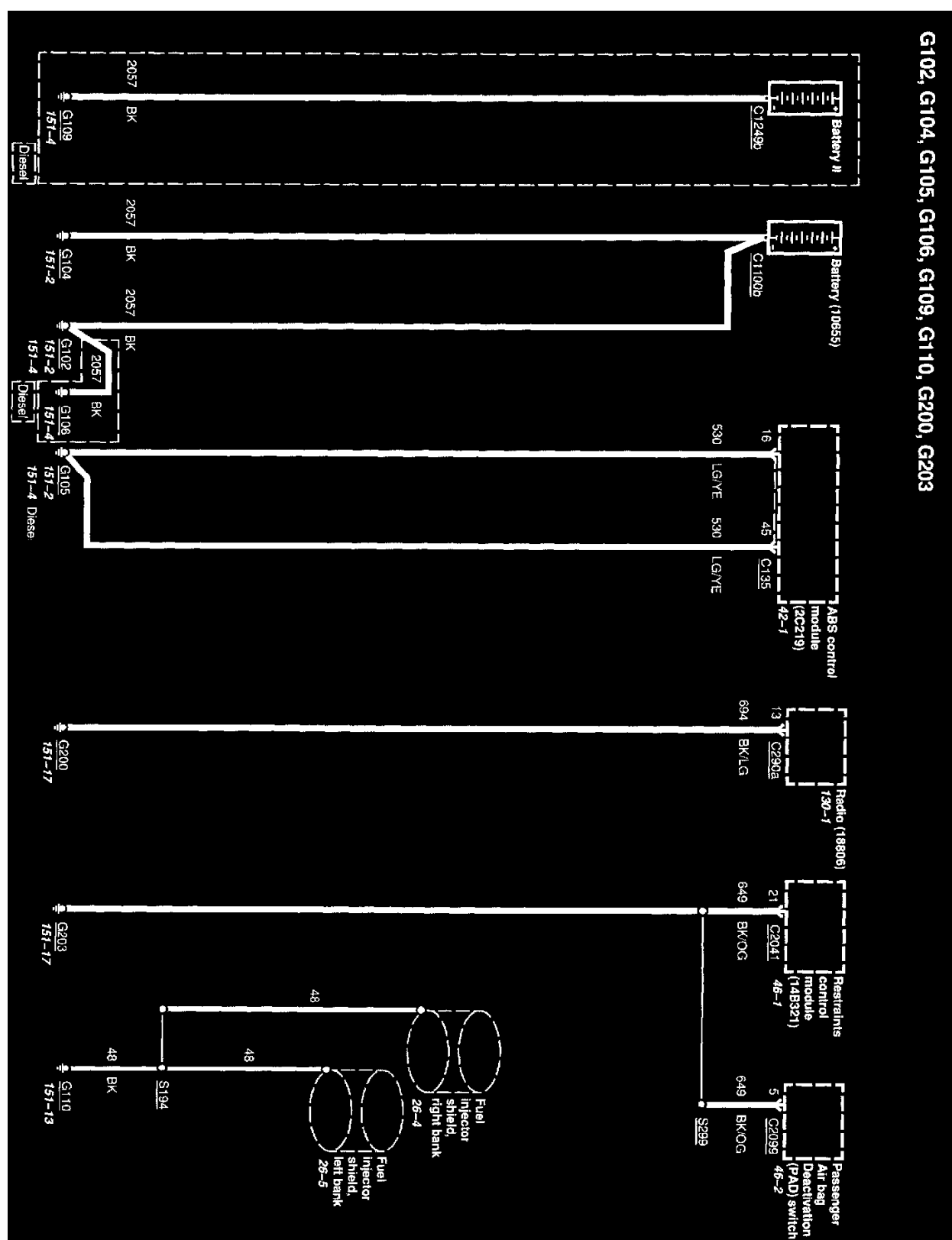
10-1

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G106

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



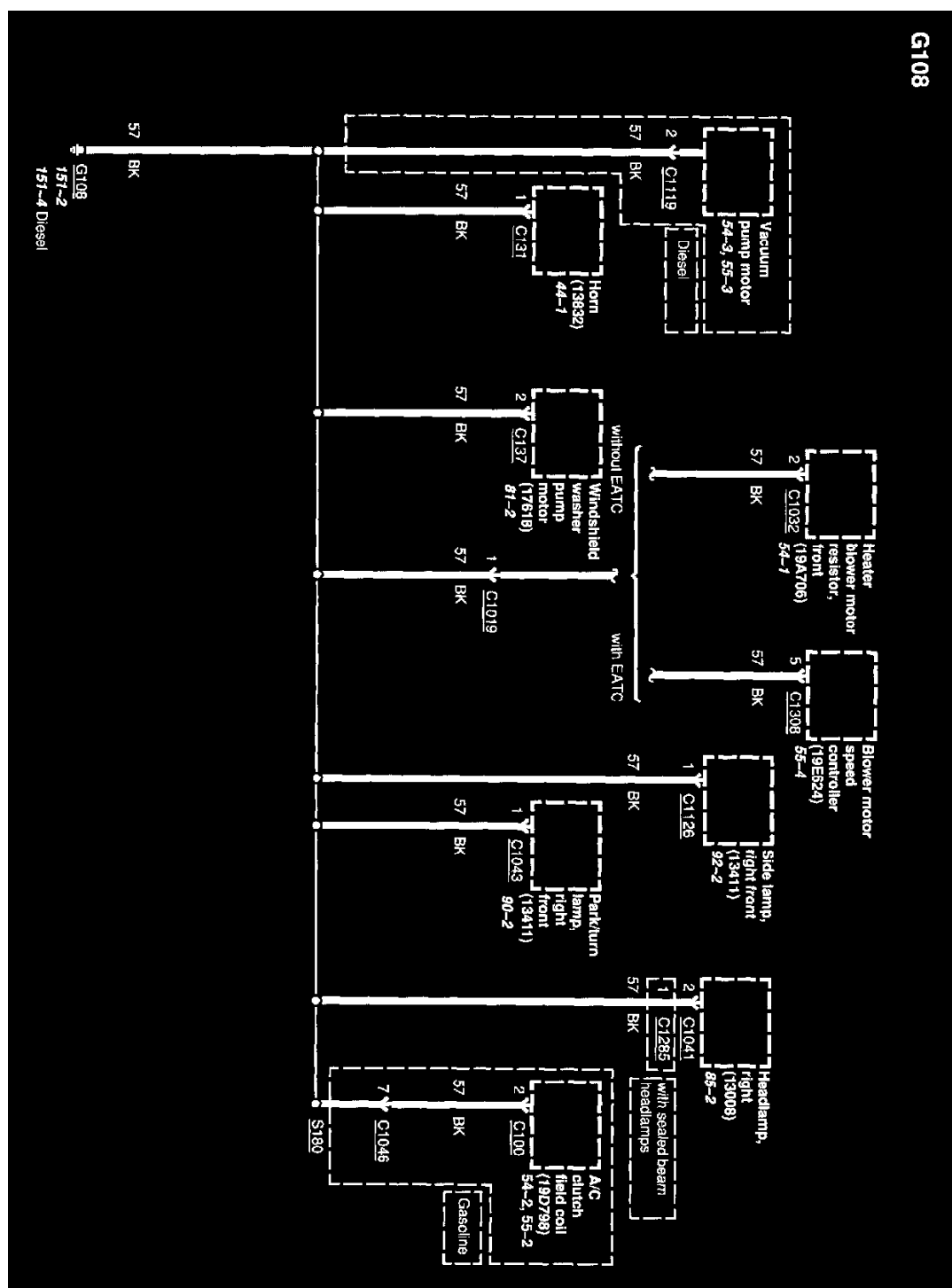
10-1

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G108

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



10-6

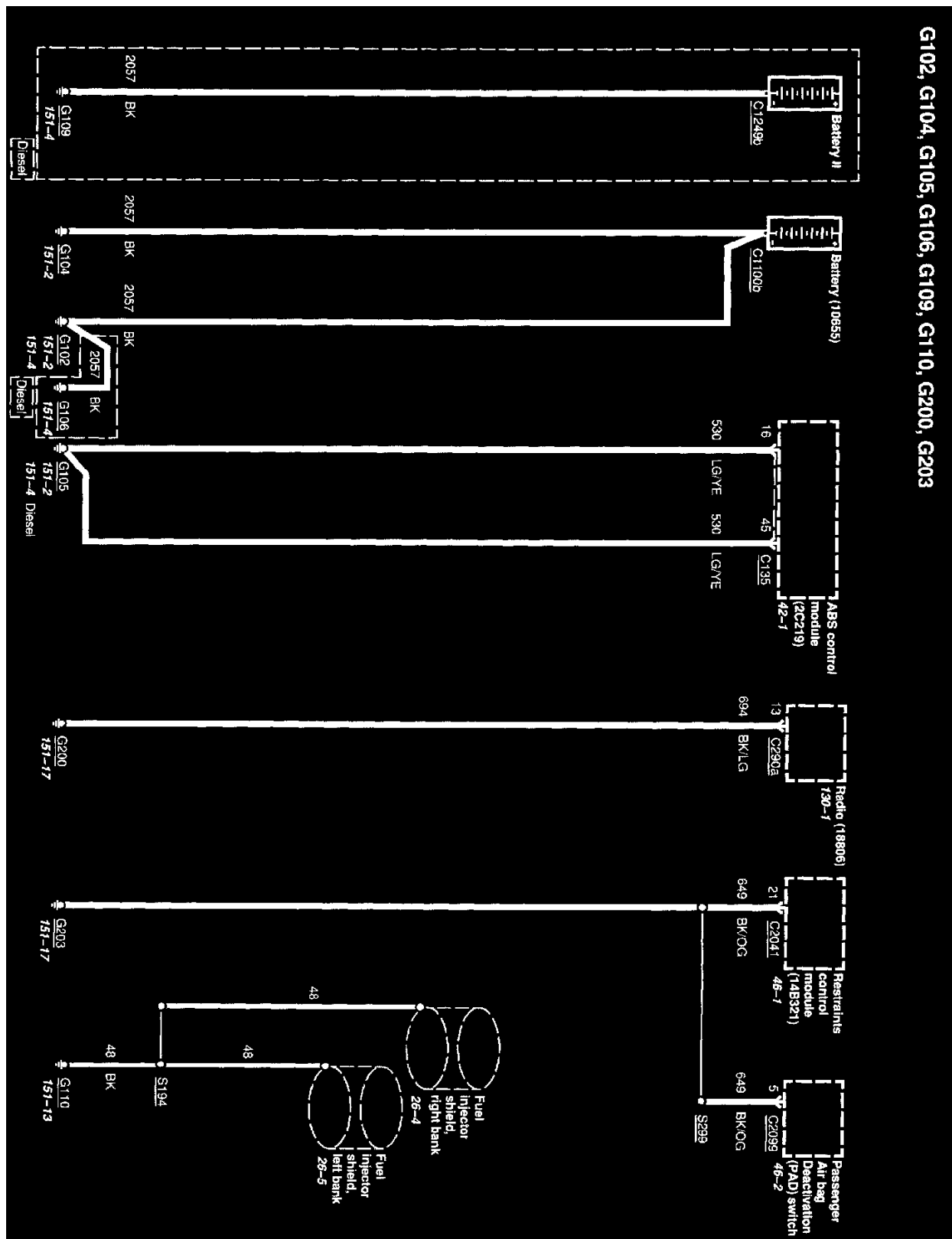
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G109

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

G102, G104, G105, G106, G109, G110, G200, G203



10-1

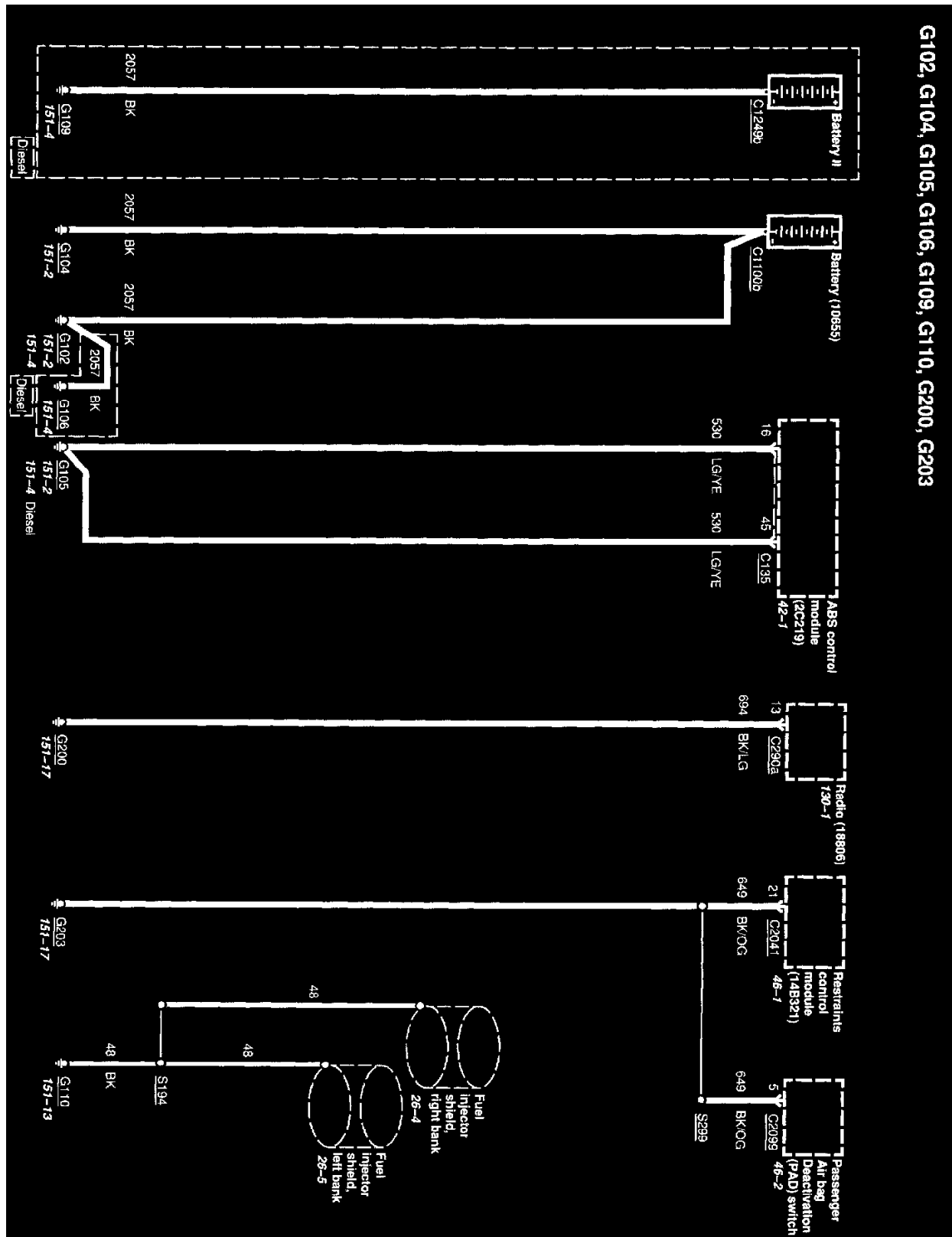
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G110

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

G102, G104, G105, G106, G109, G110, G200, G203



10-1

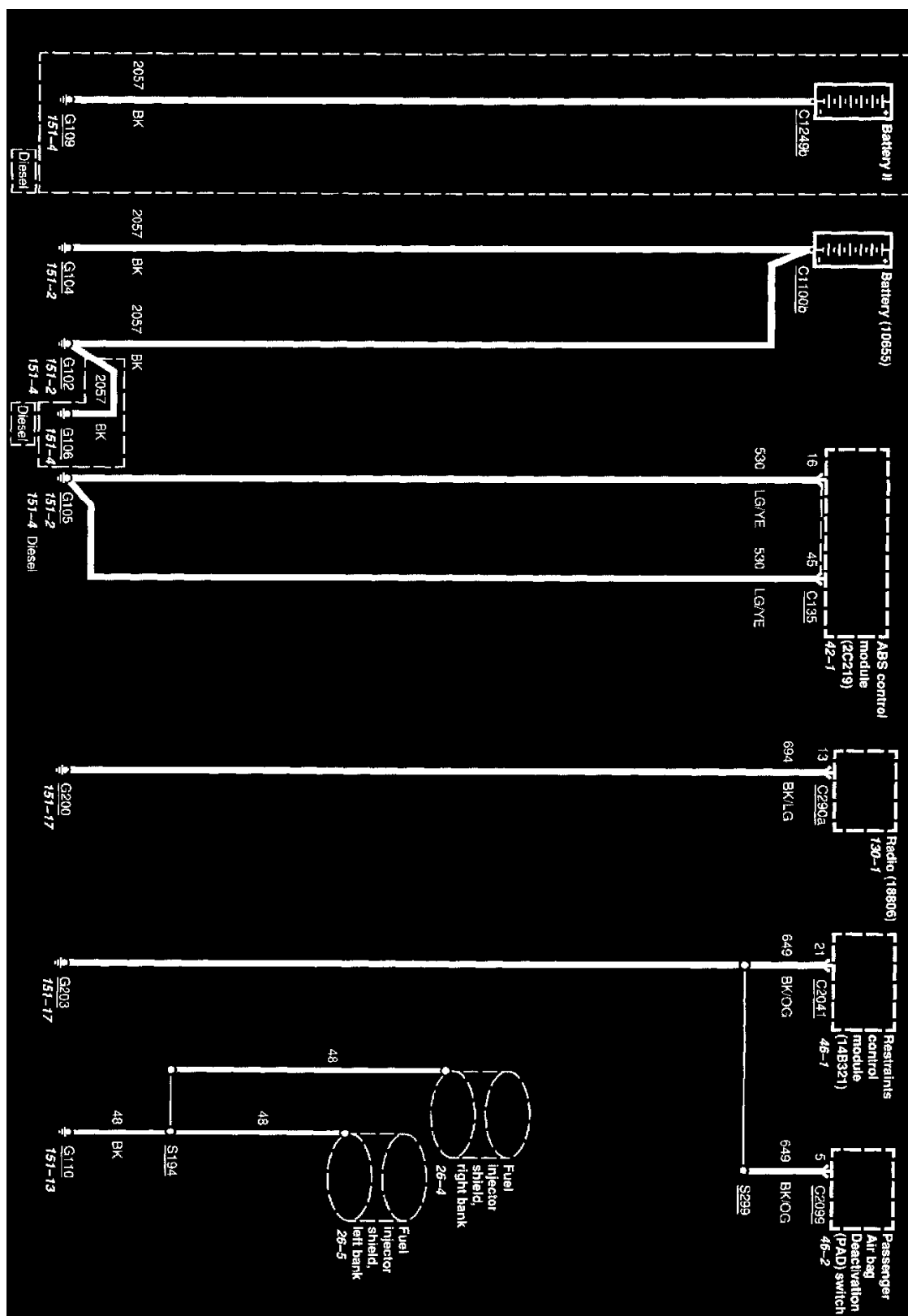
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**.

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

G200

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

G102, G104, G105, G106, G109, G110, G200, G203



10-1

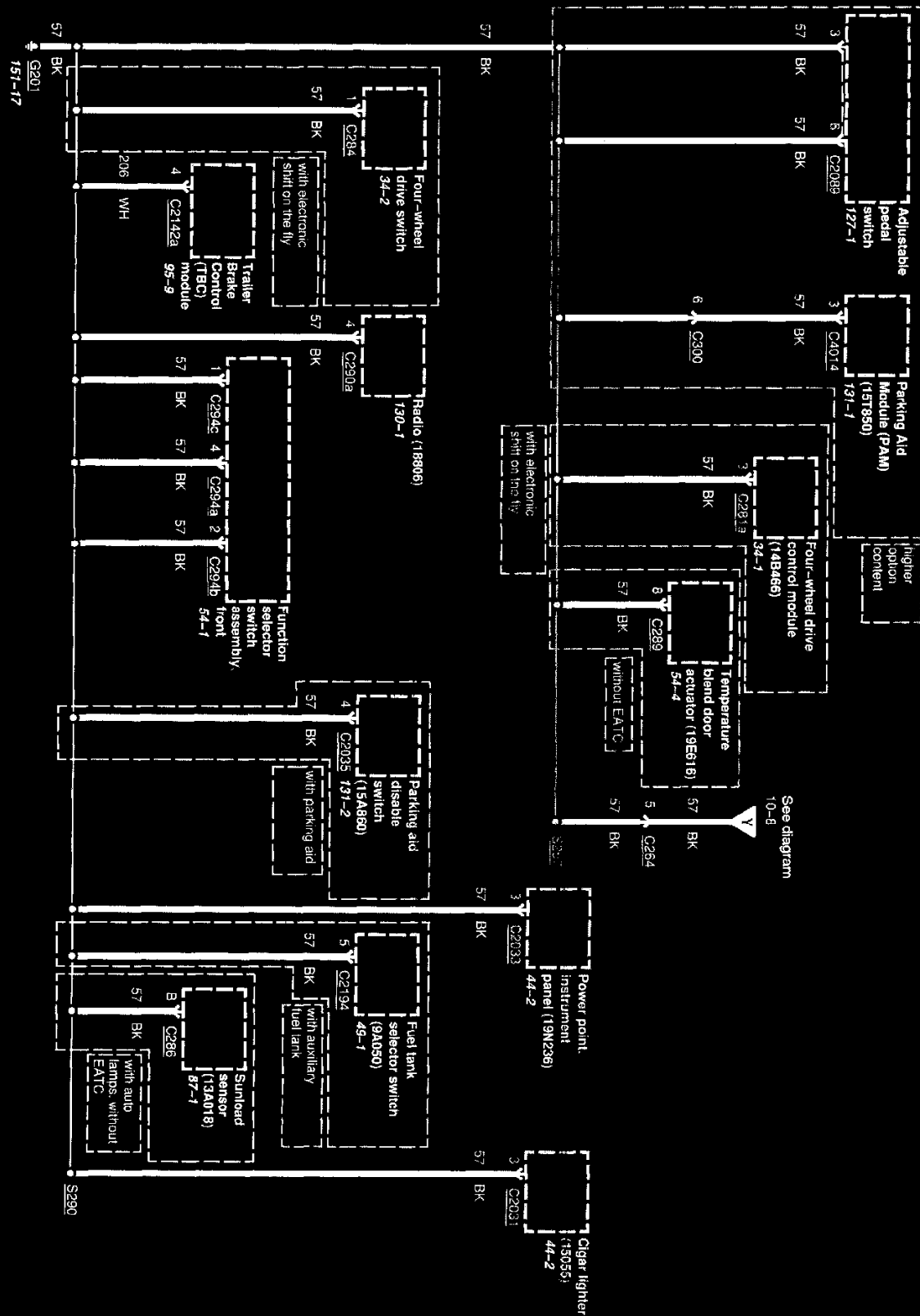
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**.

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

G201

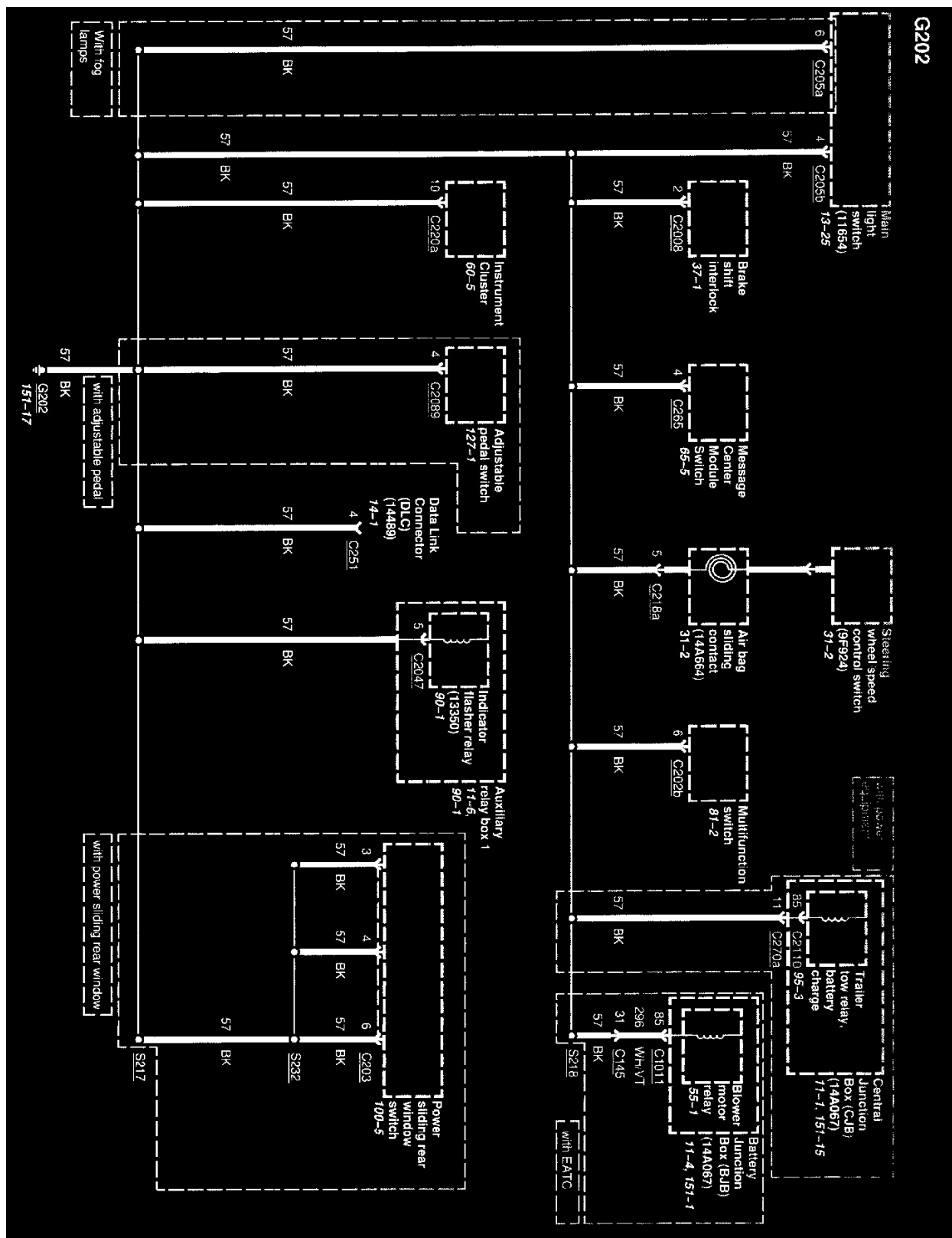
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

G201





PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



10-9

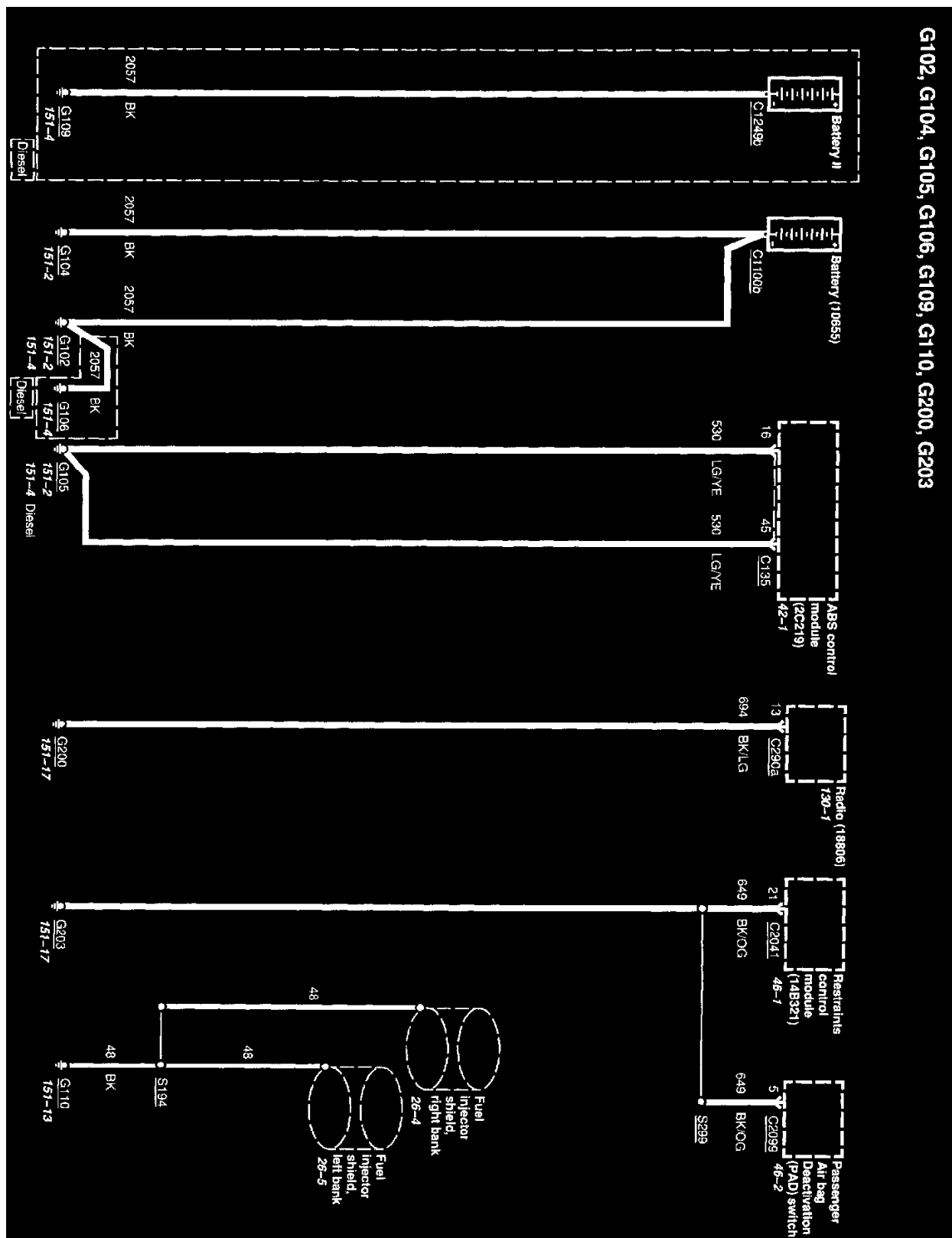
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G203

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

not apply to the vehicle model selected.

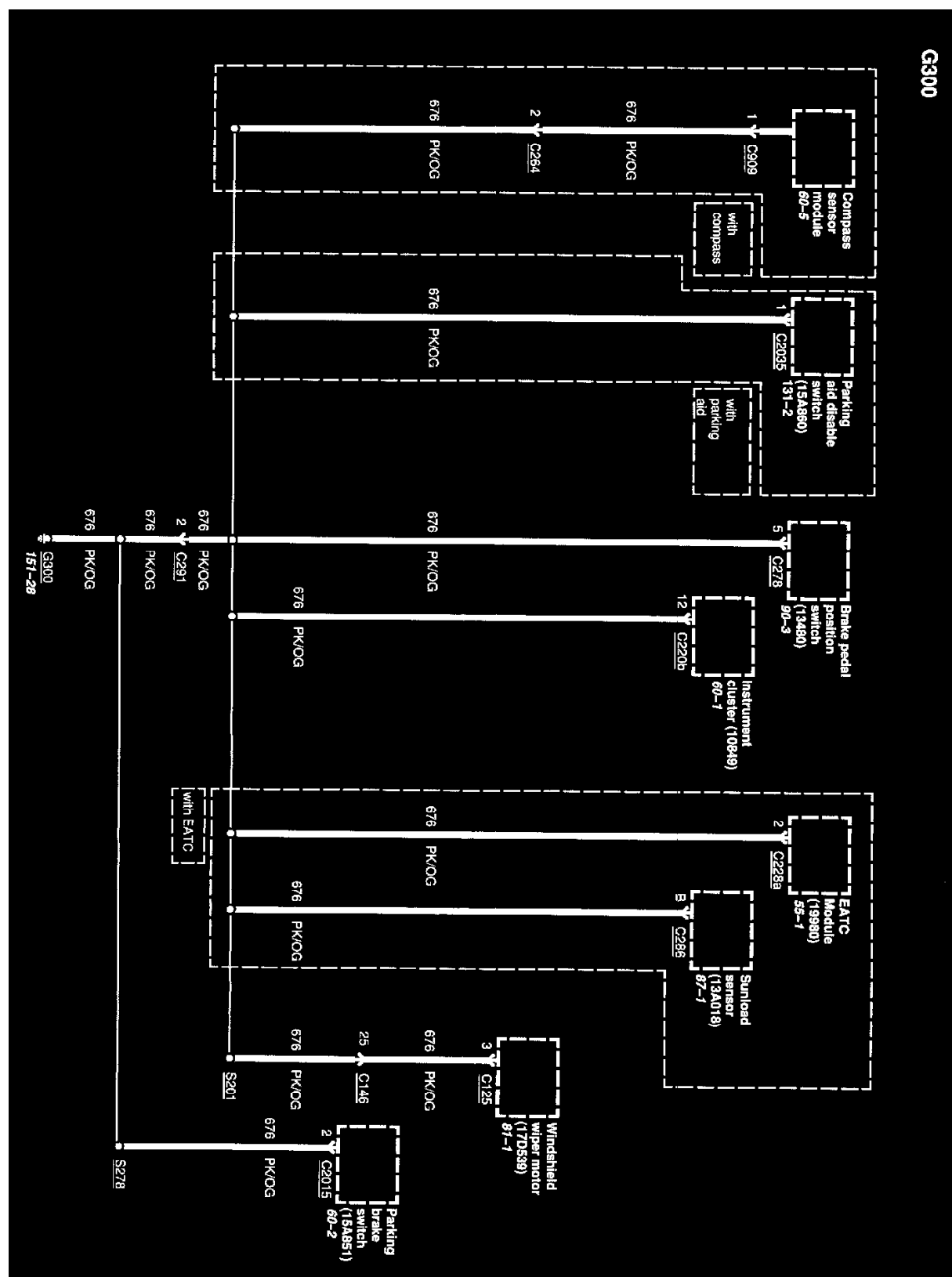


10-1

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



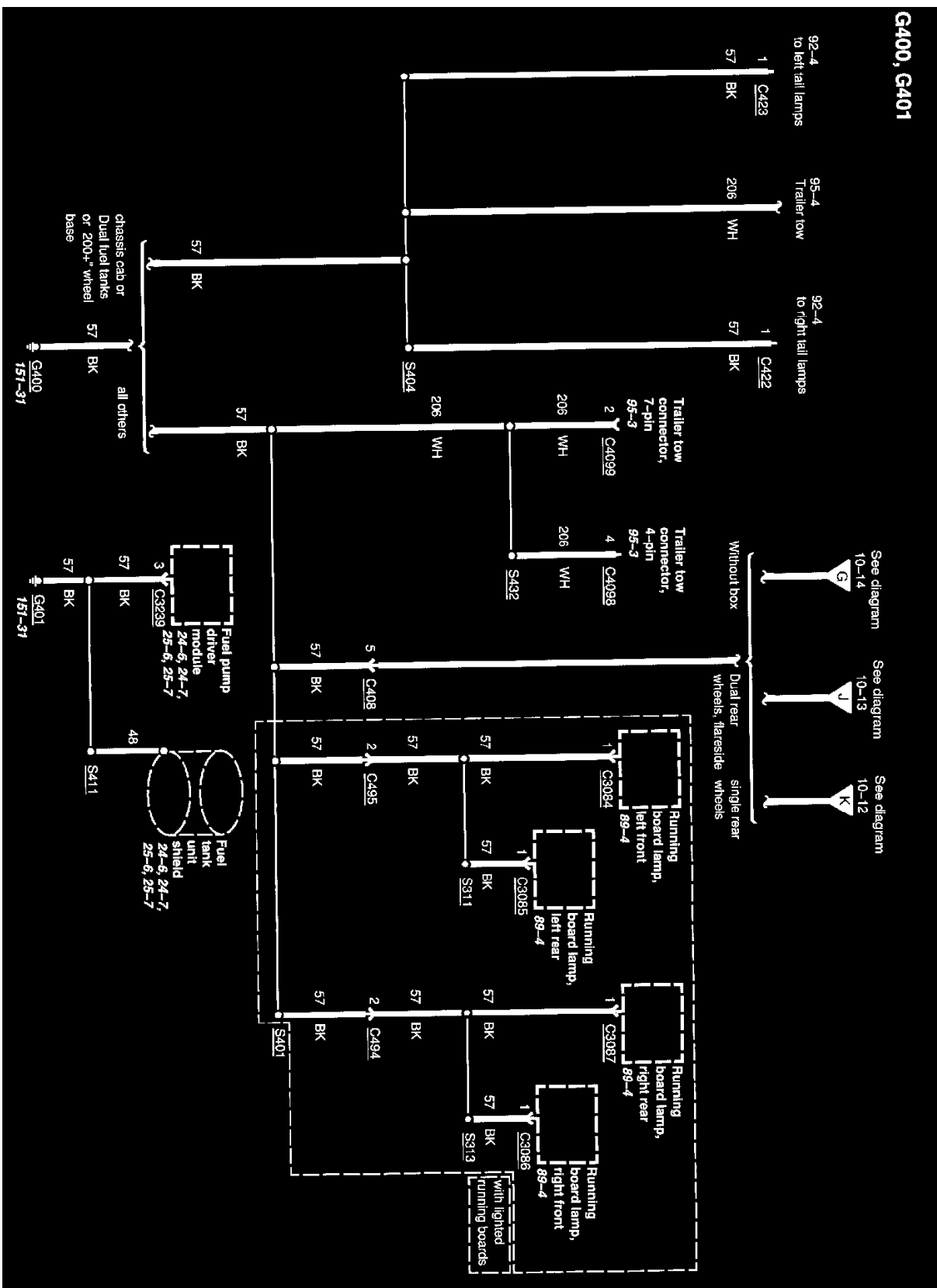
10-10

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

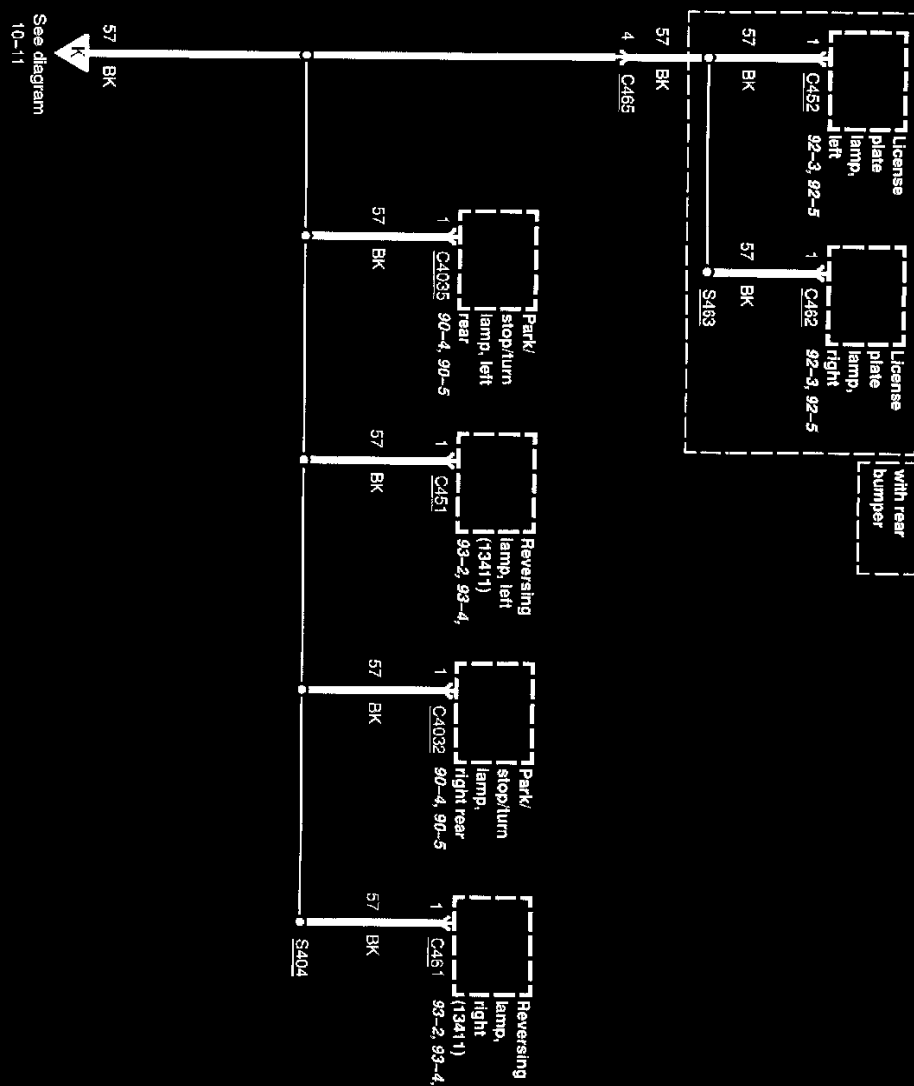
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G400

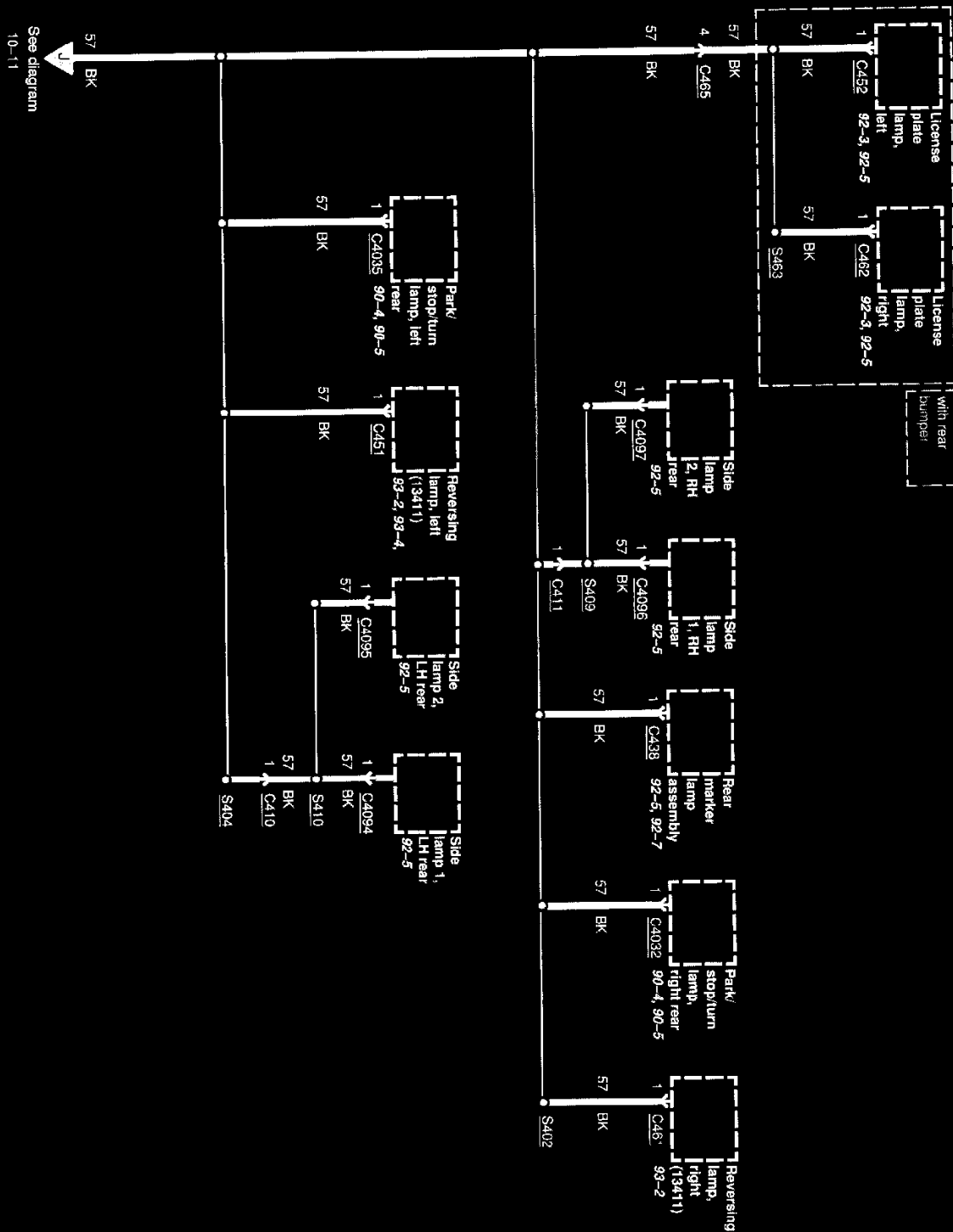
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

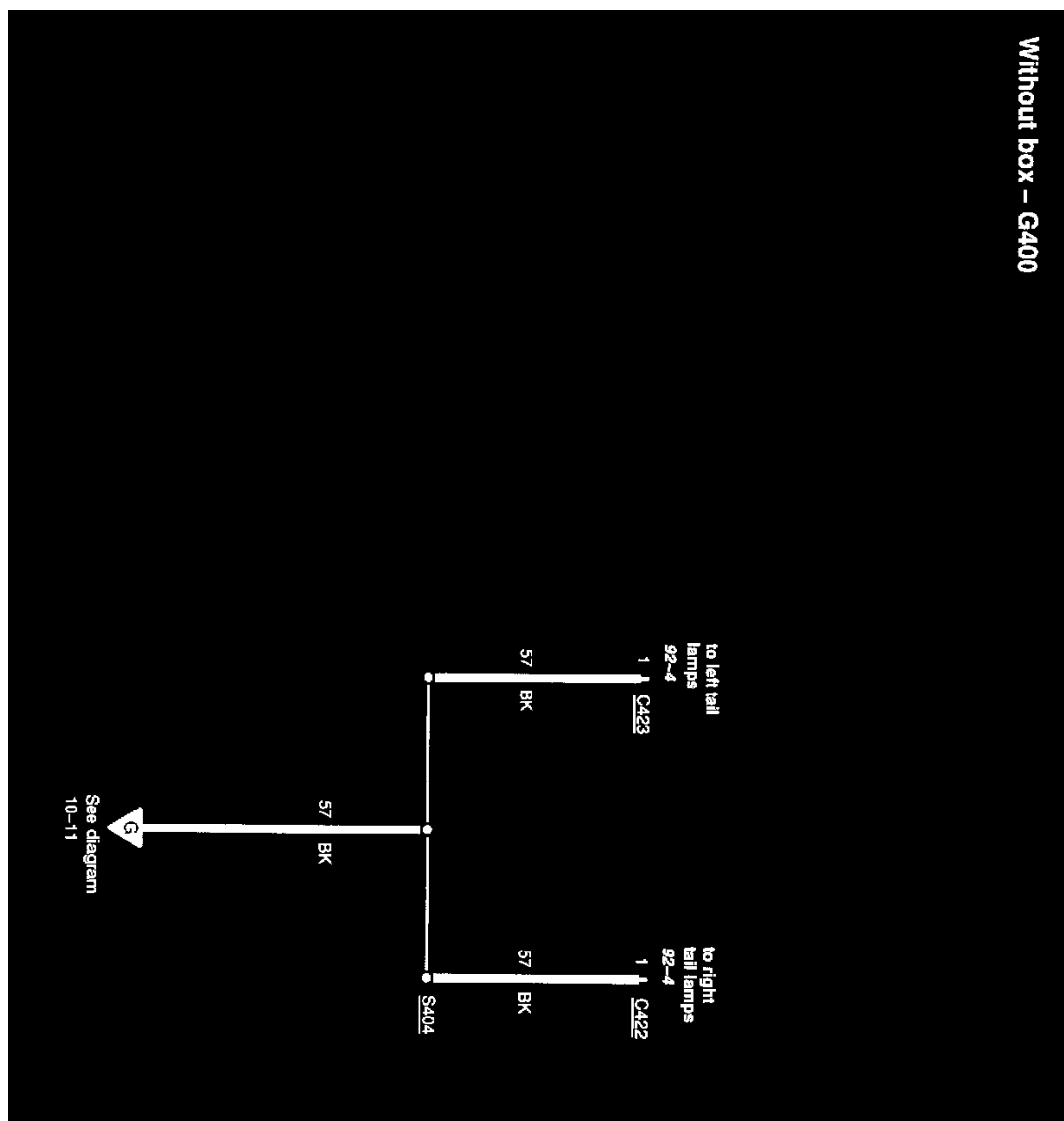


Single rear wheels - G400



Dual rear wheels, flareside - G400





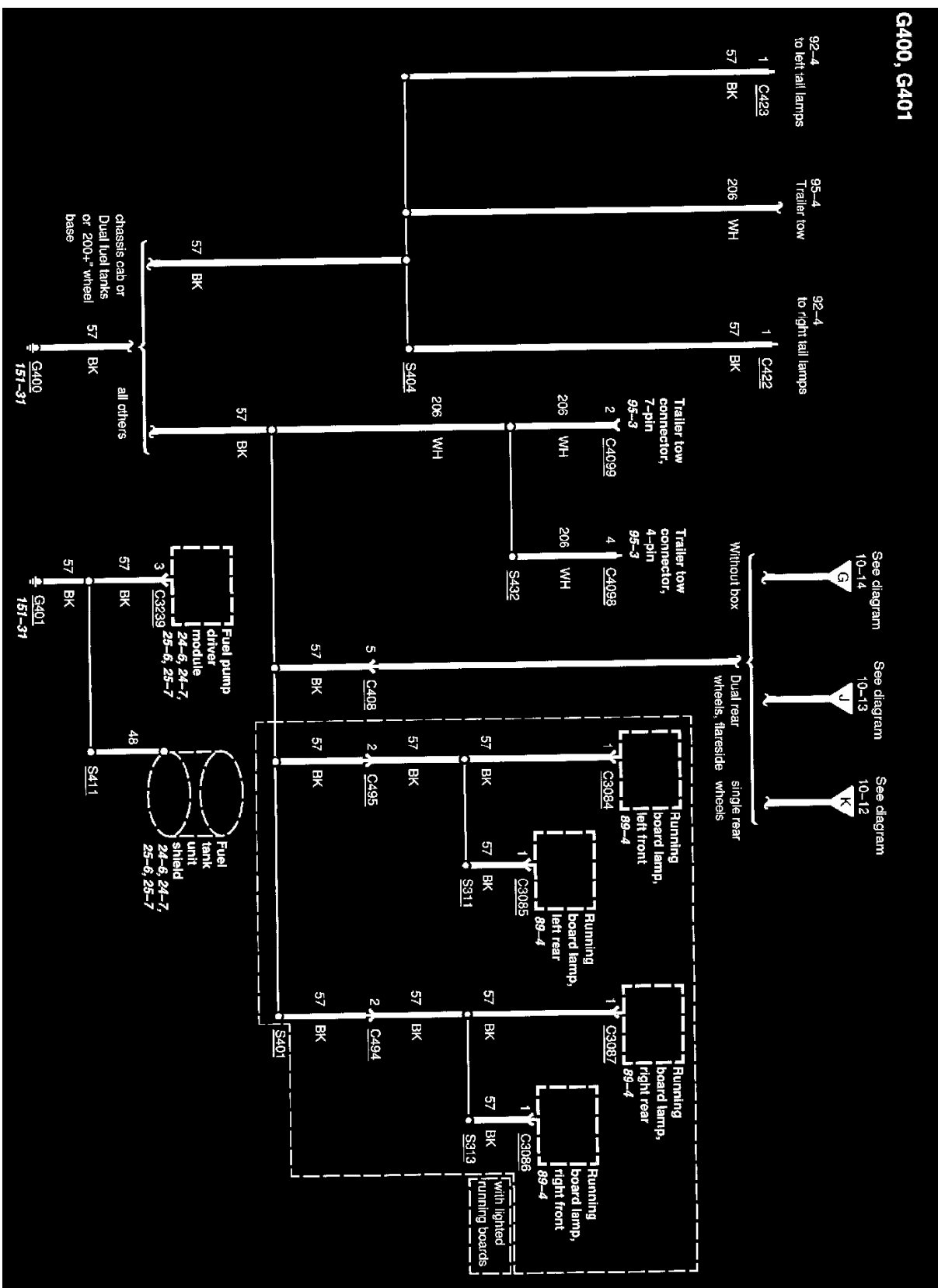
10-14

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

G401

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



10-11

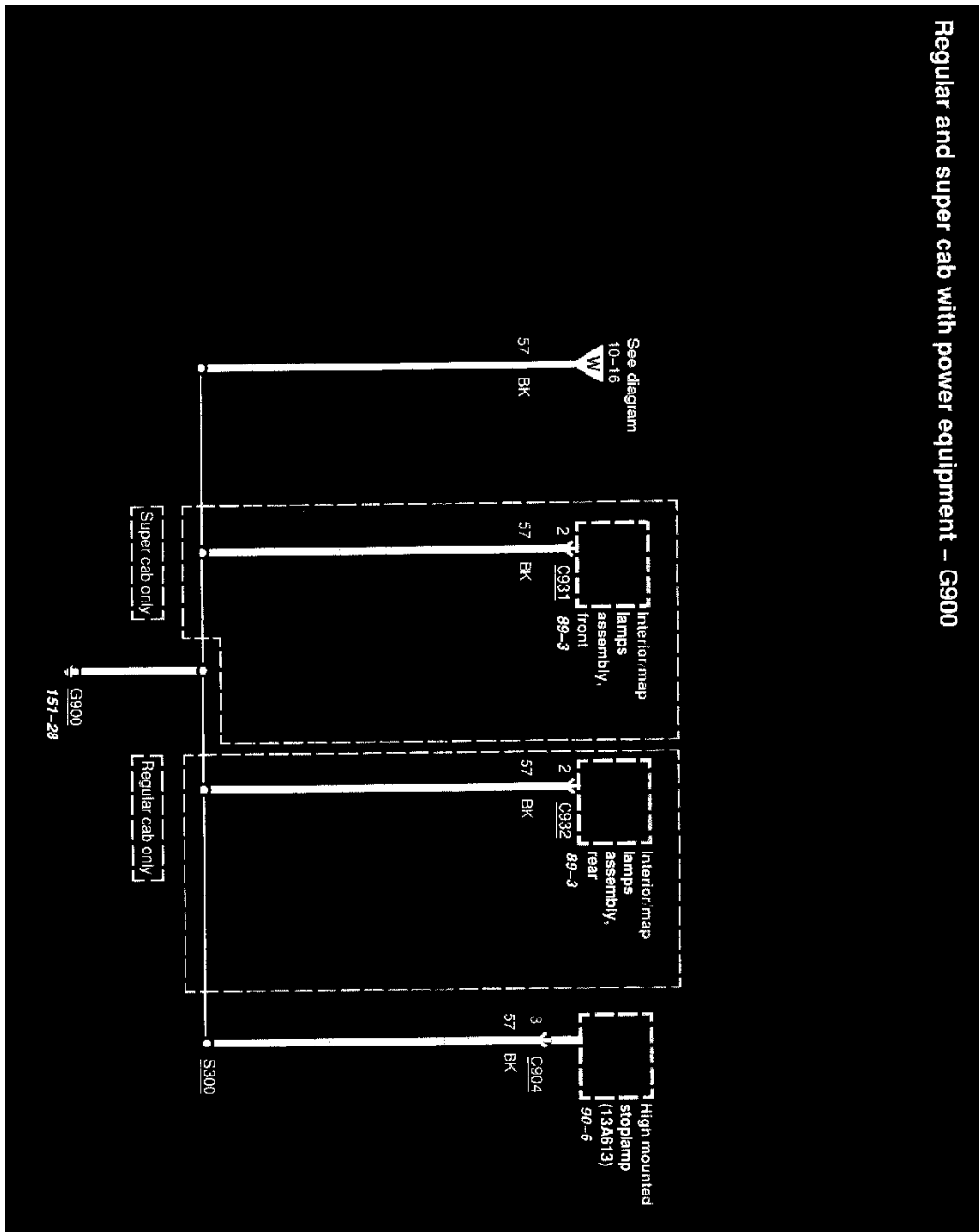
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

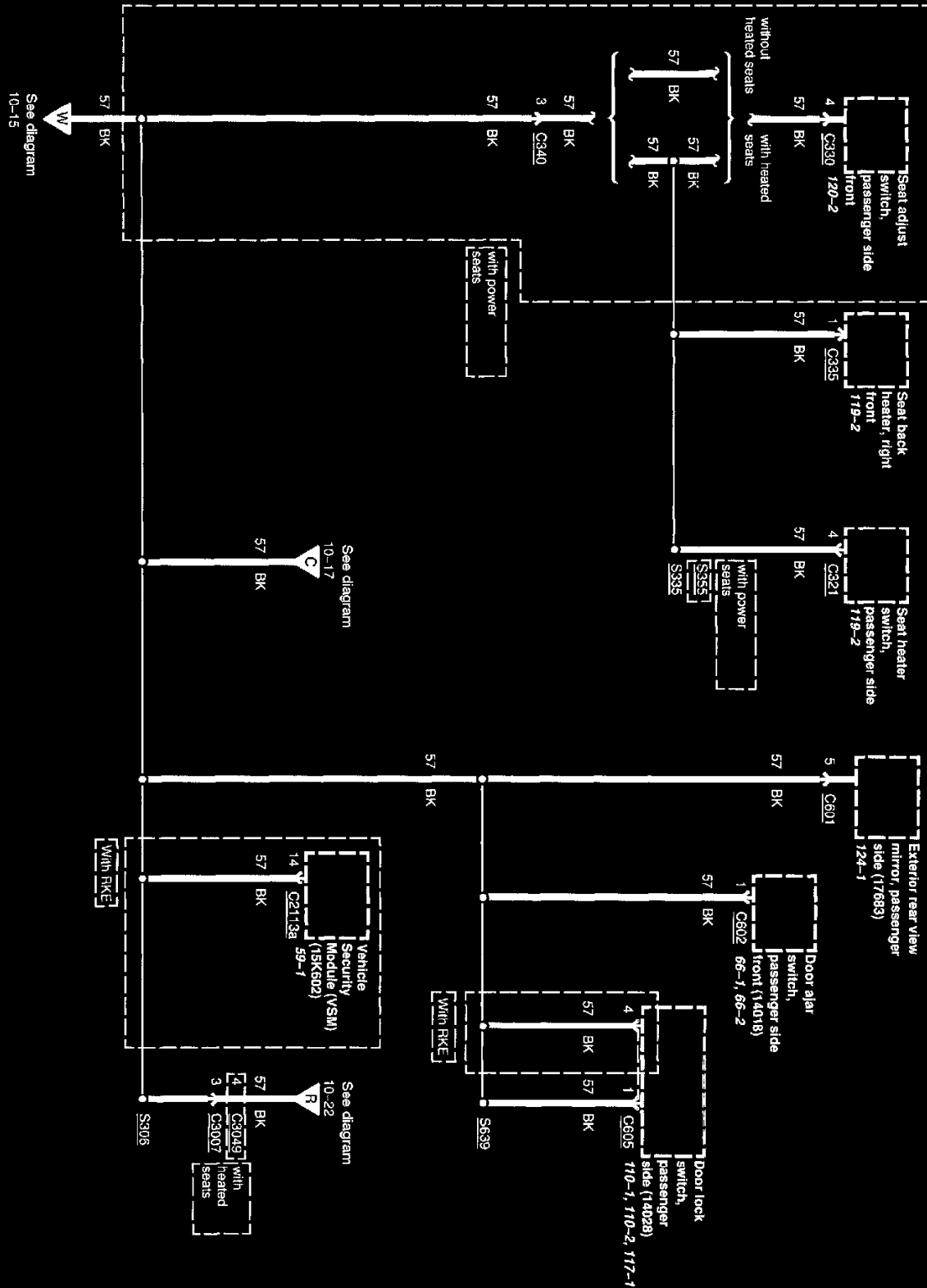
G900

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

not apply to the vehicle model selected.

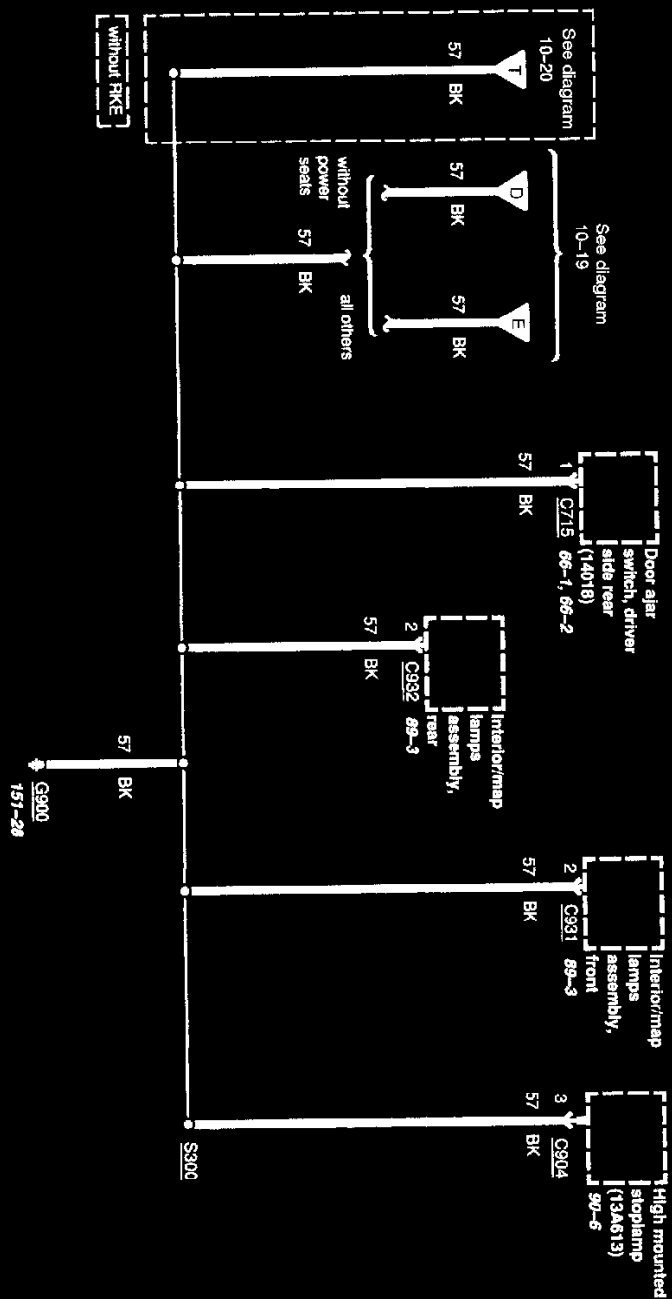


Regular and super cab with power equipment - G900

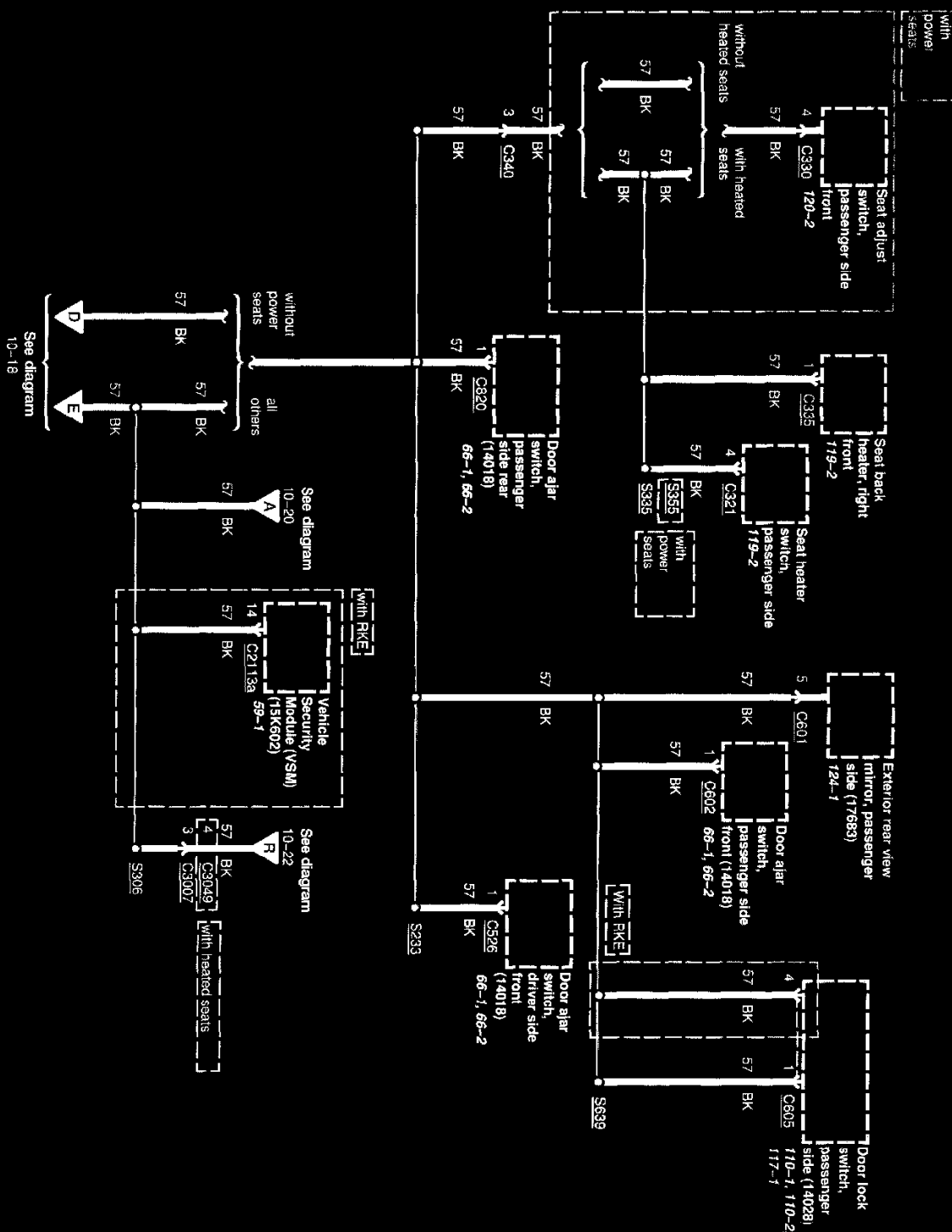


[illegible]

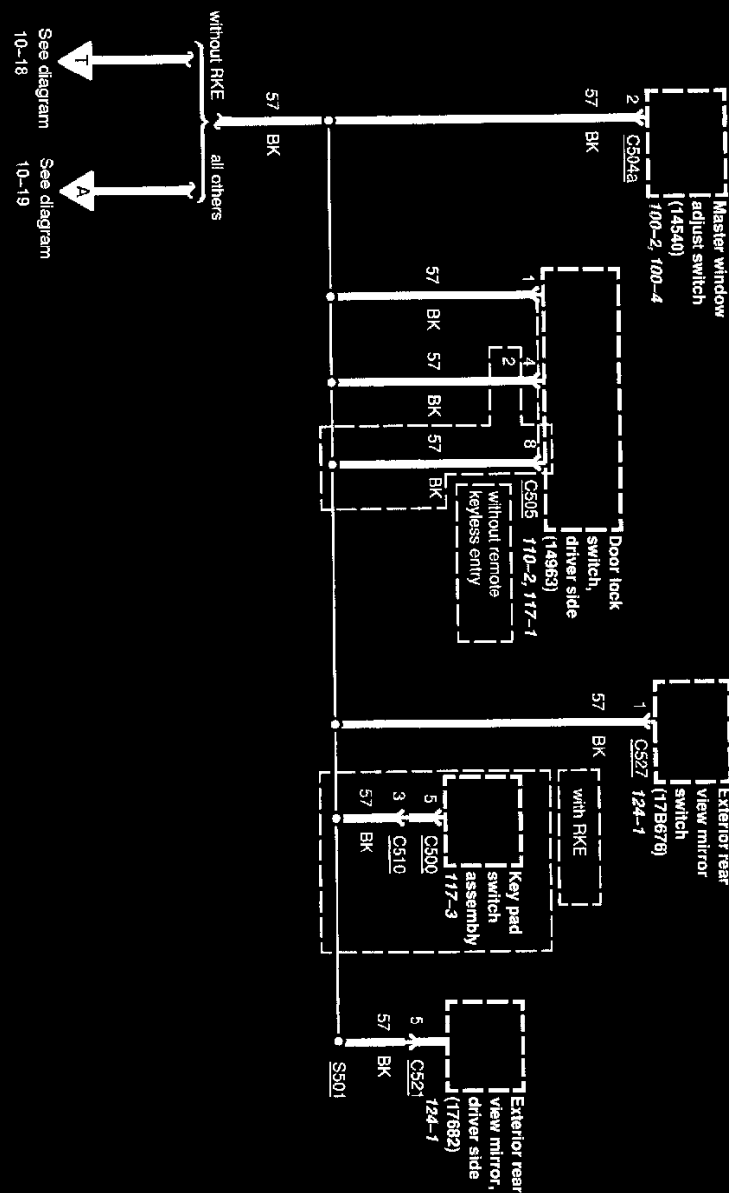
crew cab with power equipment - G900



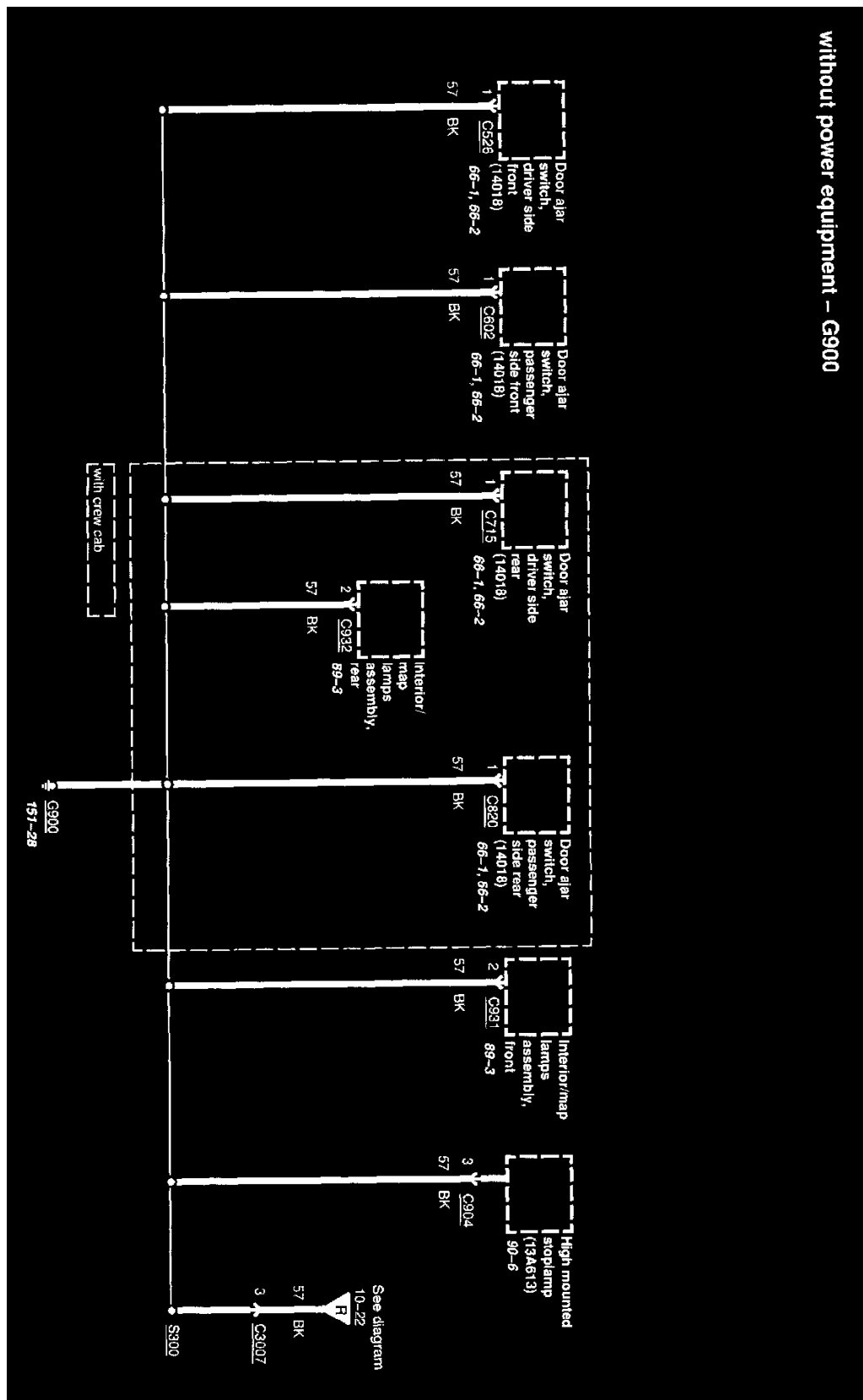
crew cab with power equipment - G900



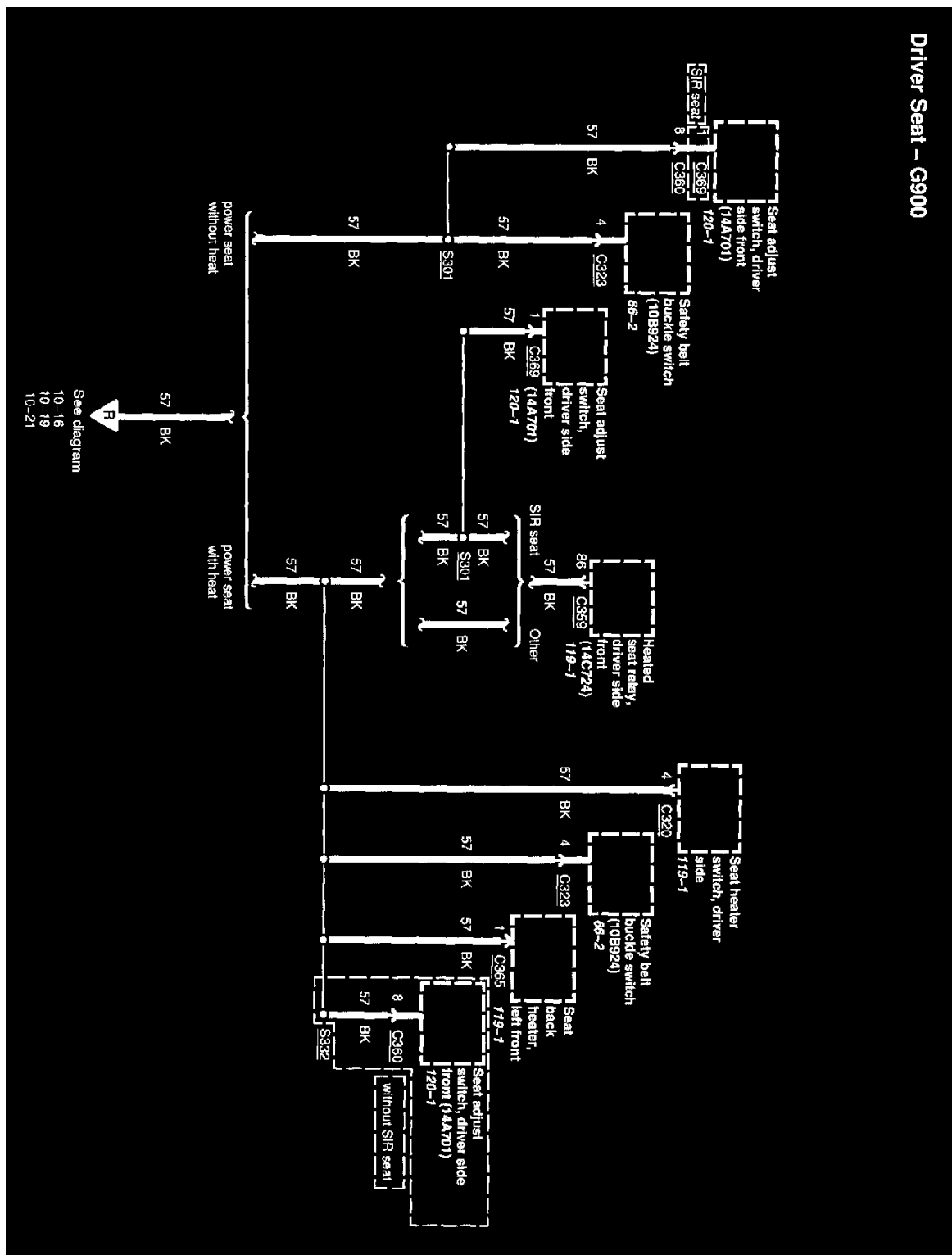
crew cab with power equipment - G900



without power equipment - G900



Driver Seat - G900



10-22

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Wiring Diagram Index

PLEASE NOTE: If a link on the index to a specific diagram listed therein is not provided, that means that the diagram in question does NOT apply to the vehicle model selected.

Battery	13-1, 13-2	F2.4	13-3
F1.1	13-23	F2.5	13-26
F1.2	13-24	F2.6	13-5
F1.3	13-23	F2.7	13-8, 13-25
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F1.5	13-24	F2.9	13-4
F1.6	13-23	F2.10	13-3
F1.7	13-24	F2.11	13-3
F1.8	13-23	F2.12	13-5
F1.9	13-24	F2.13	13-7
F1.10	13-23	F2.14	13-11
F1.11	13-12	F2.15	13-3
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F1.15	13-24	F2.19	13-7
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F1.17	13-24	F2.21	13-3
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F2.1	13-3	F2.27	13-15
F2.2	13-3	F2.28	13-18
F2.3	13-26	F2.29	13-15

Battery - Fuse 2.29

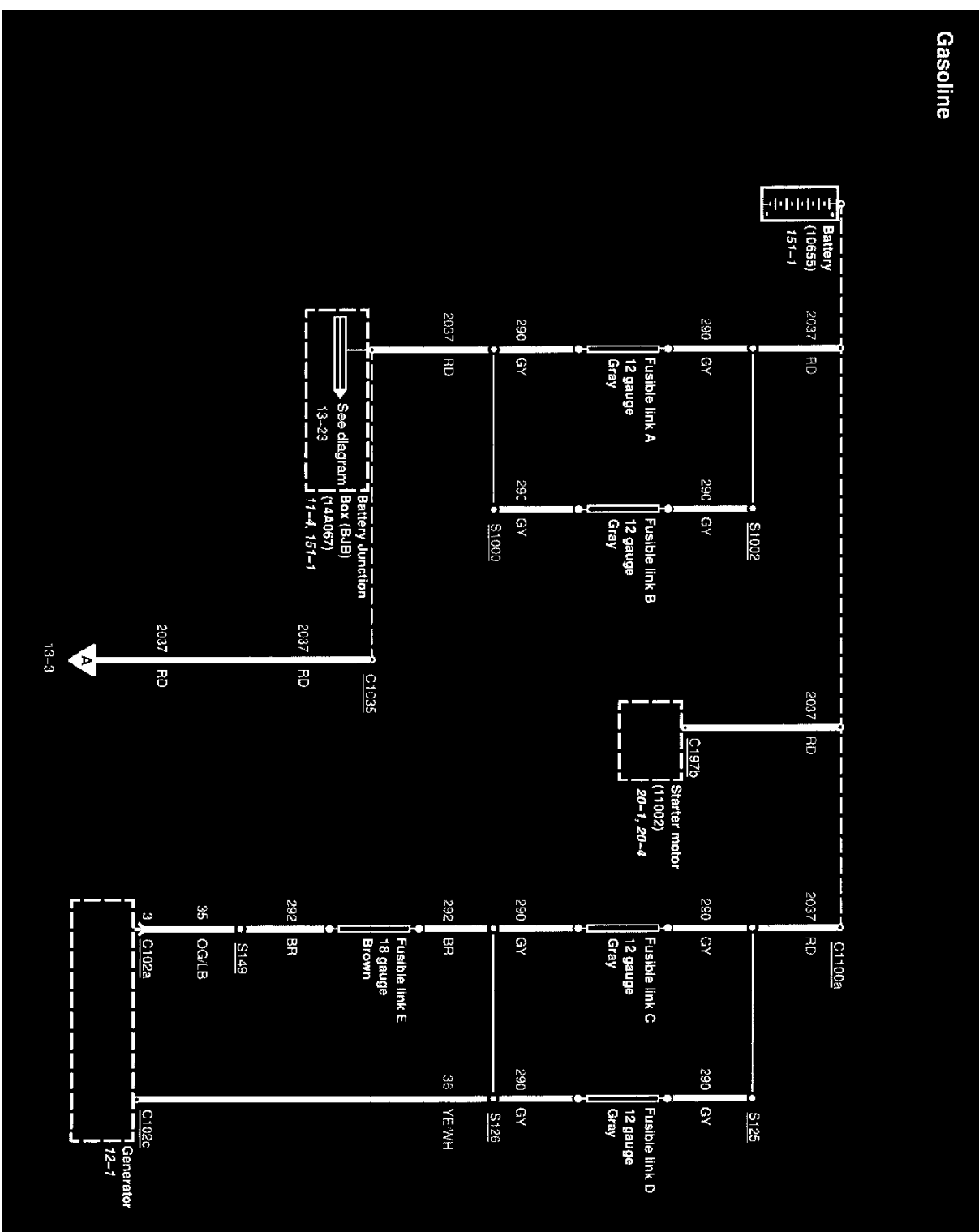
F2.30	13-9	F2.109	13-26
F2.31	13-13	F2.110	13-12
F2.32	13-13	F2.111	13-10
F2.33	13-18	F2.112	13-11
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F2.42	13-6	Fusible Link B	13-1, 13-2
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F2.106	13-11	Main Light Switch	13-25
F2.107	13-4	Microprocessor	13-25
F2.108	13-26		

Fuse 2.30 - Microprocessor

13-1

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

Gasoline



13-1

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-3

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



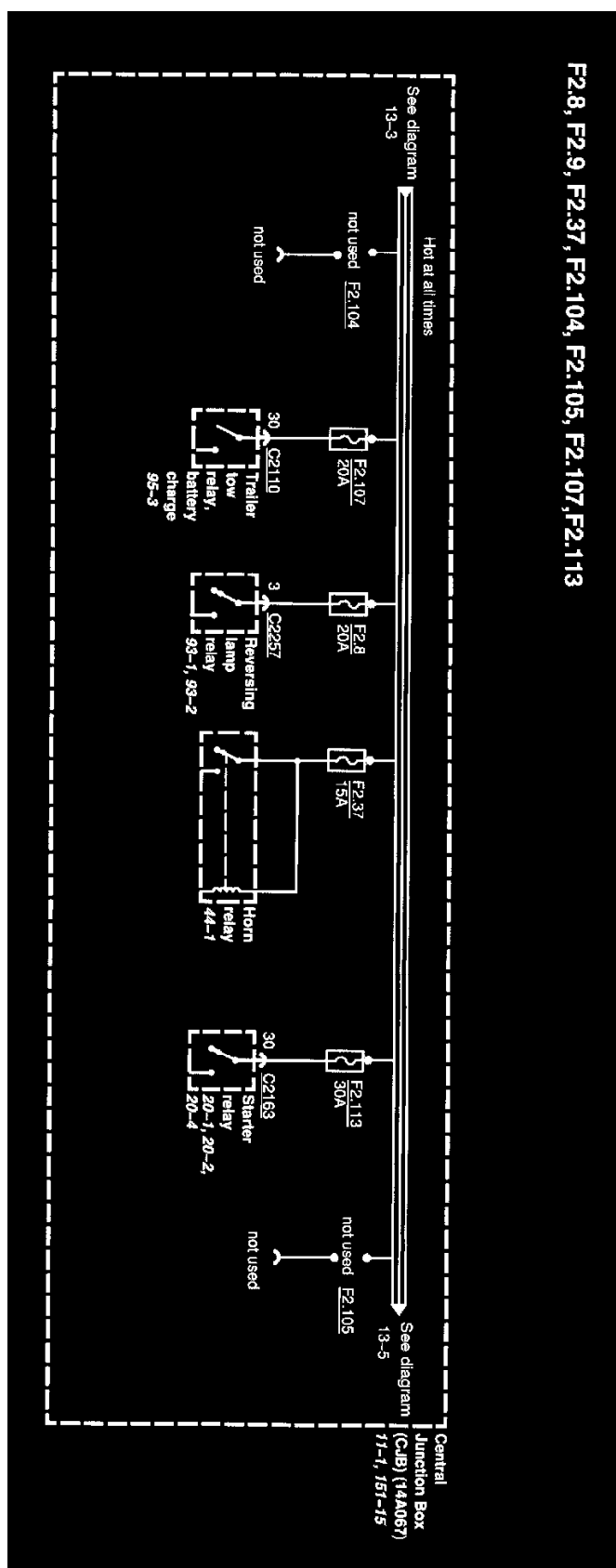
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

See: Components/Component Location Views

13-4

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-5

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-3

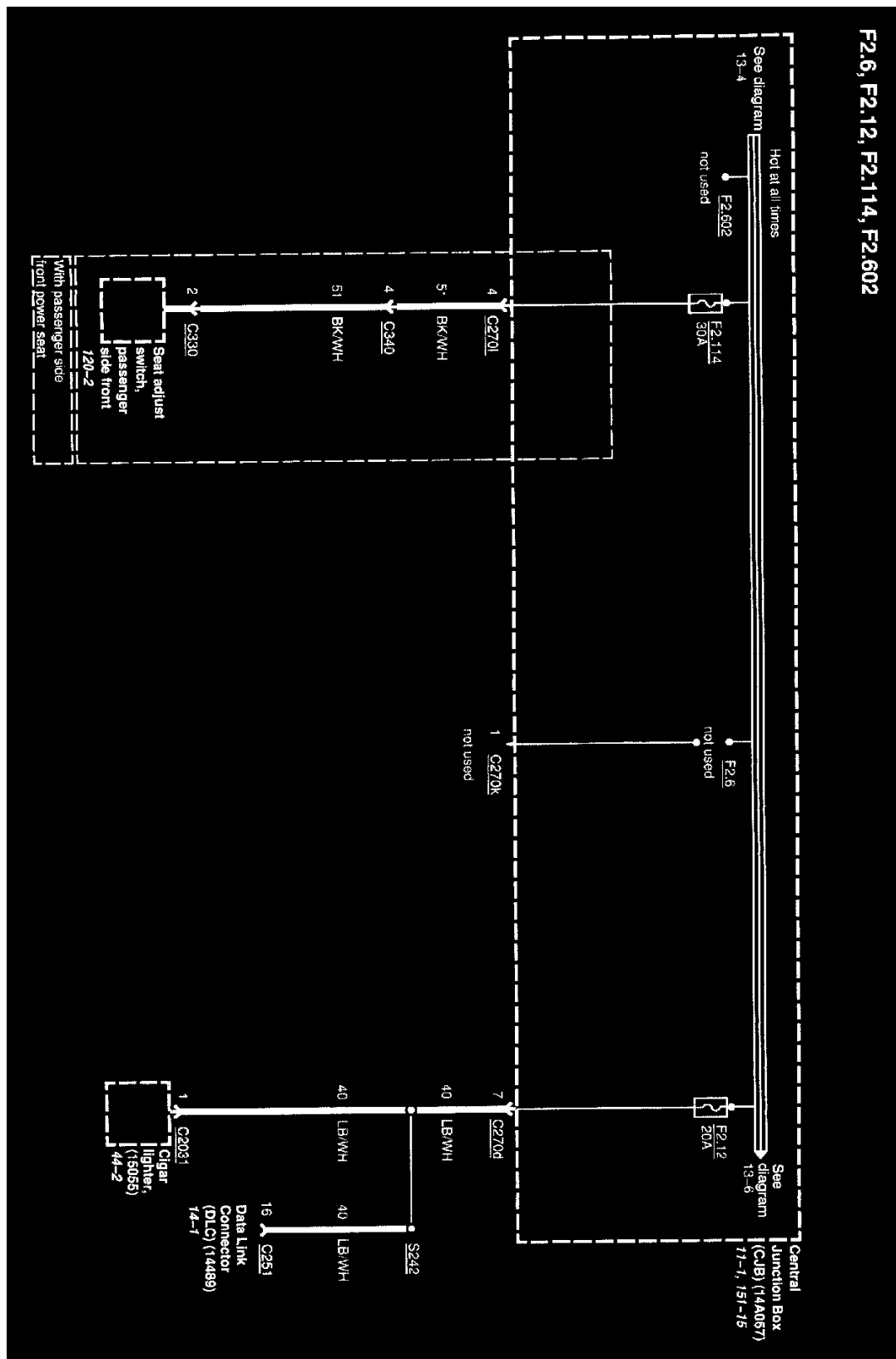
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-5

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

F2.6, F2.12, F2.114, F2.602



13-5

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-6

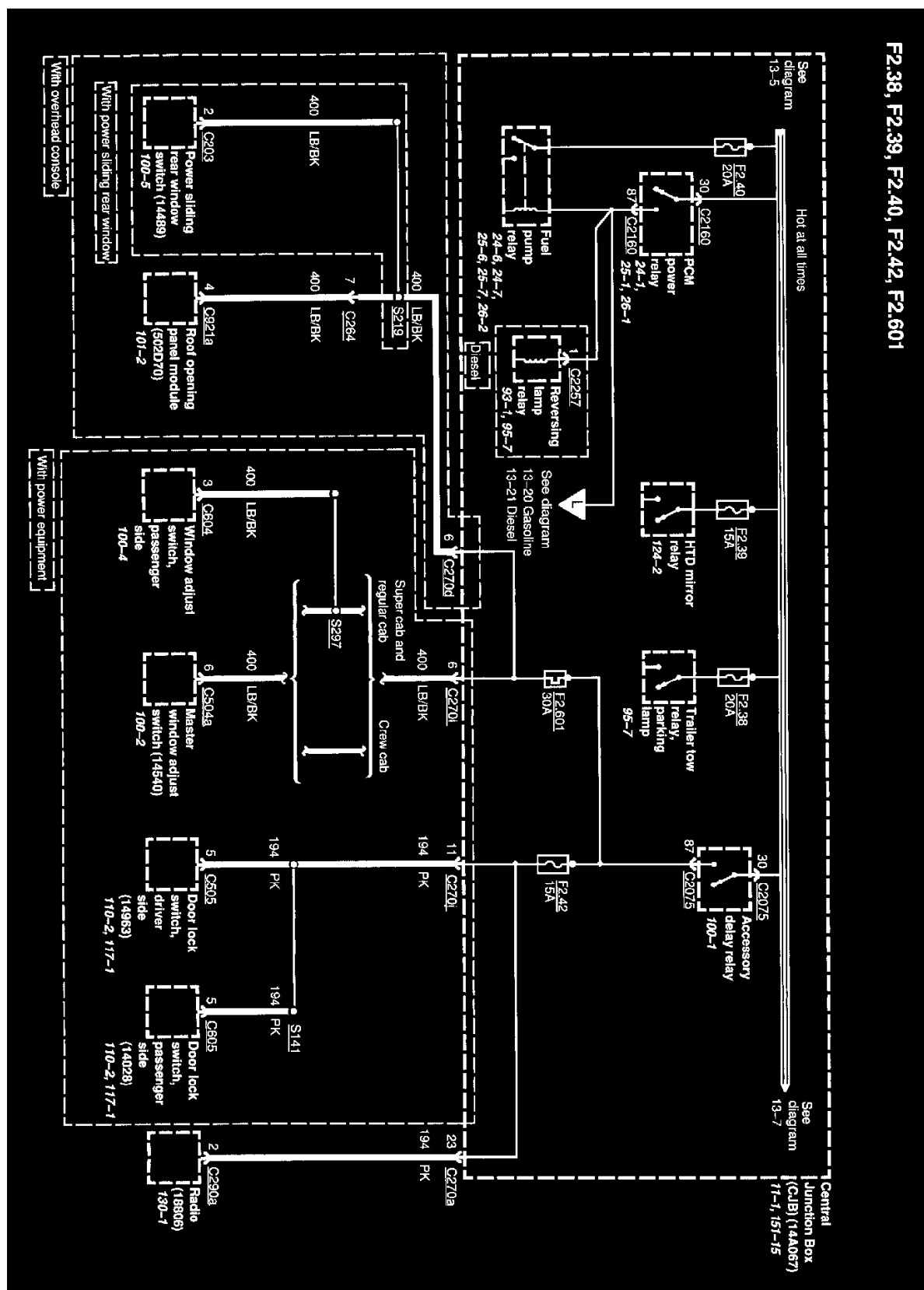
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-4

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

13-6

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



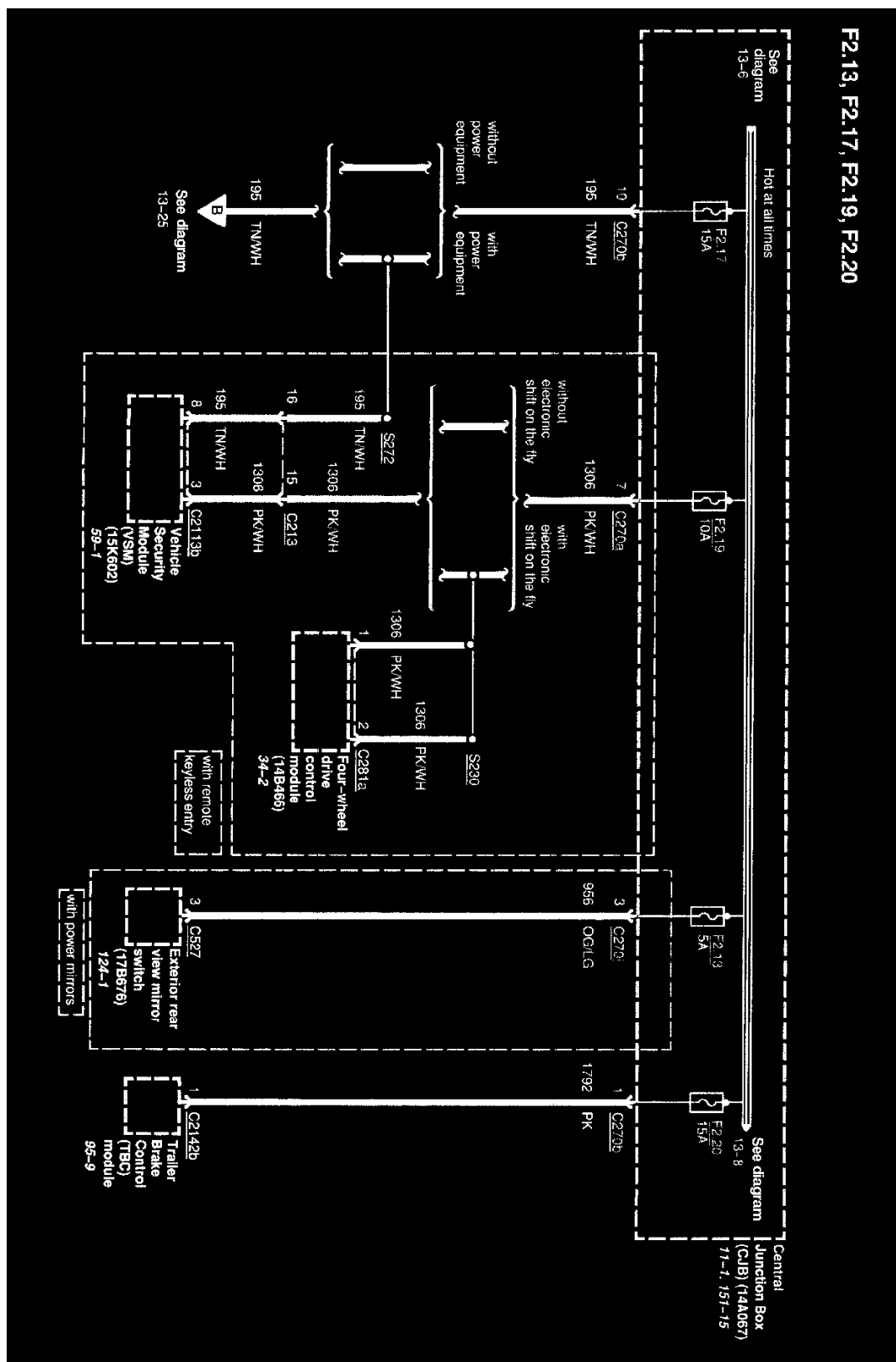
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-5

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-7

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



13-7

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-8

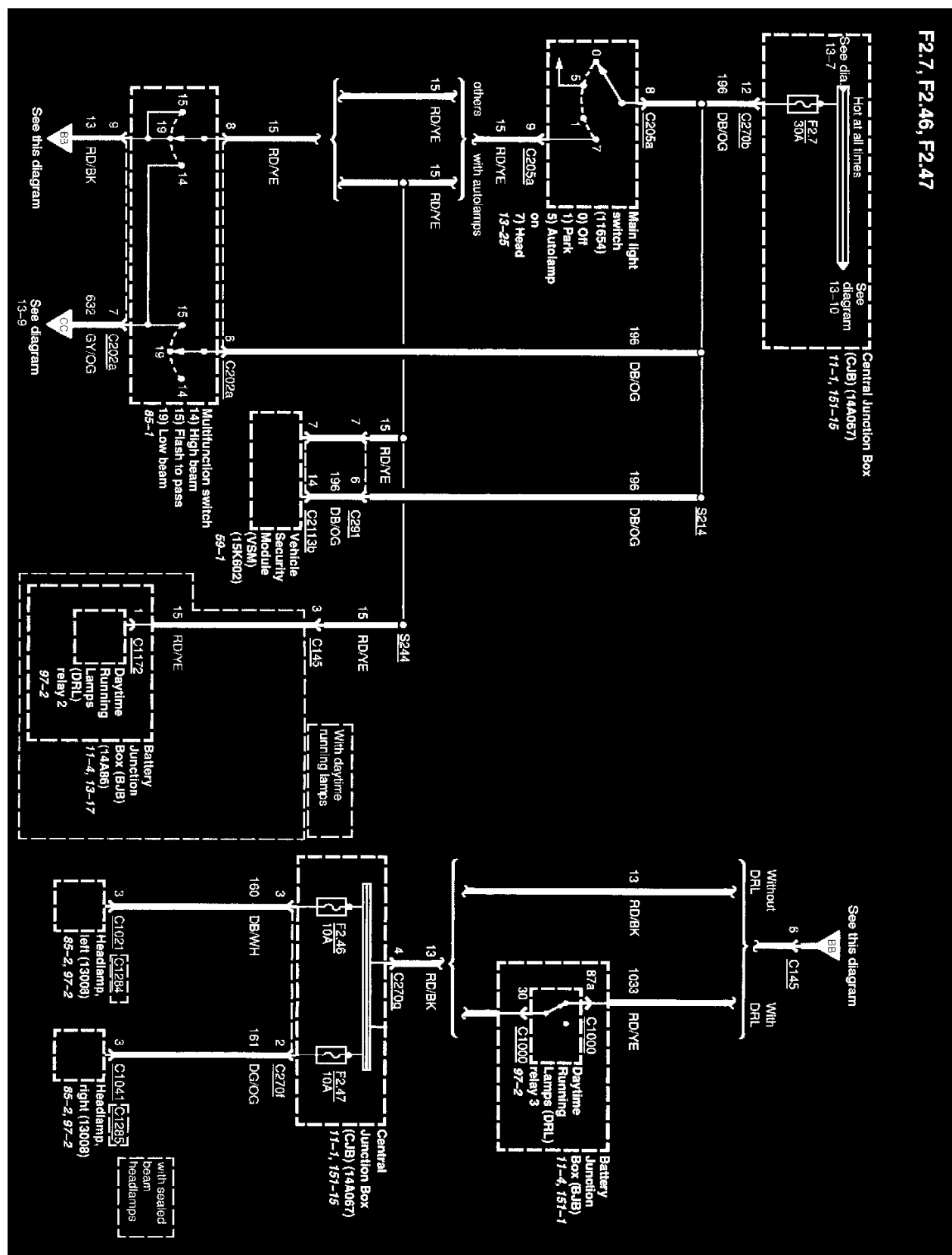
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-6

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

13-8

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



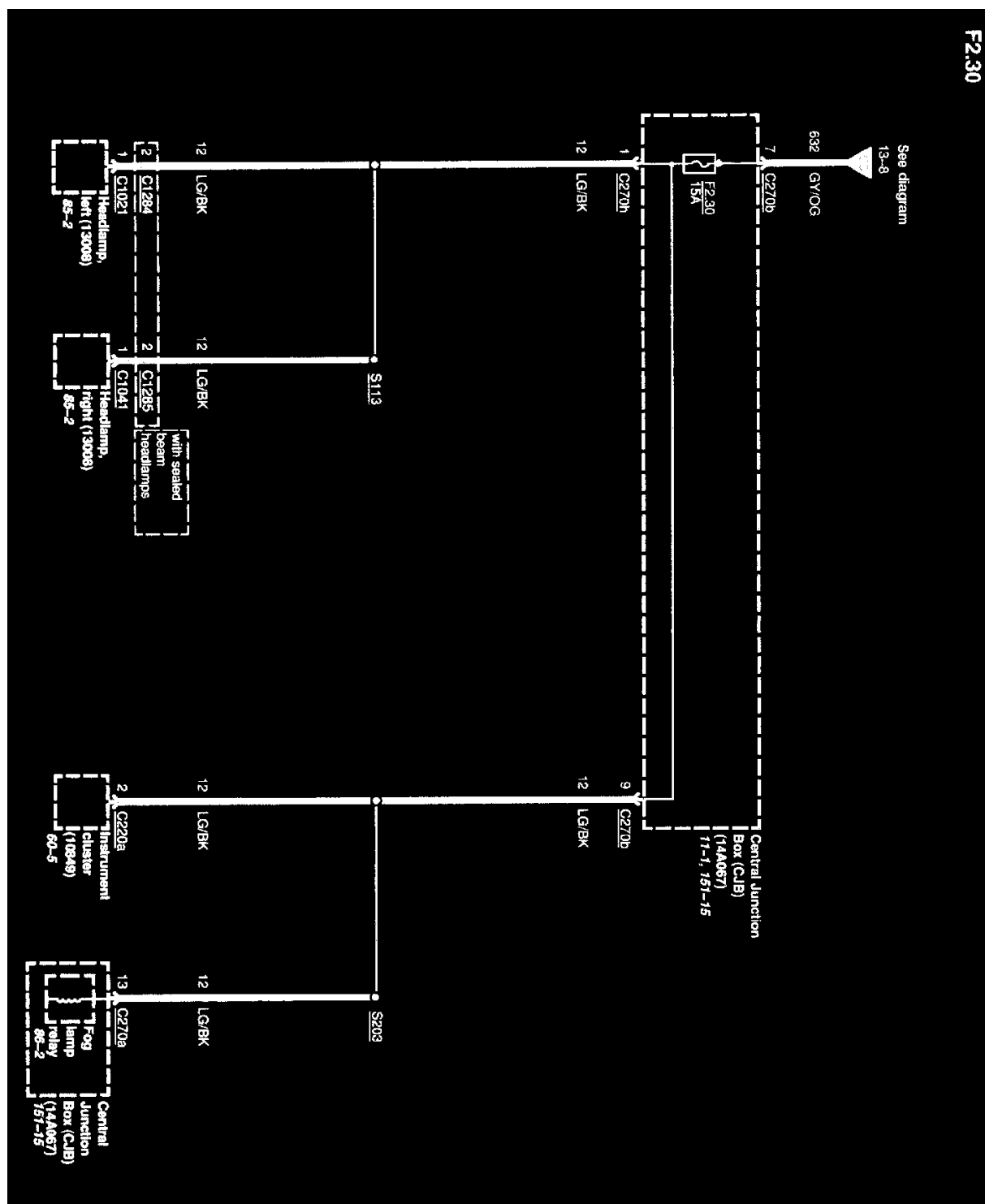
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-7

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-9

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-10

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-8

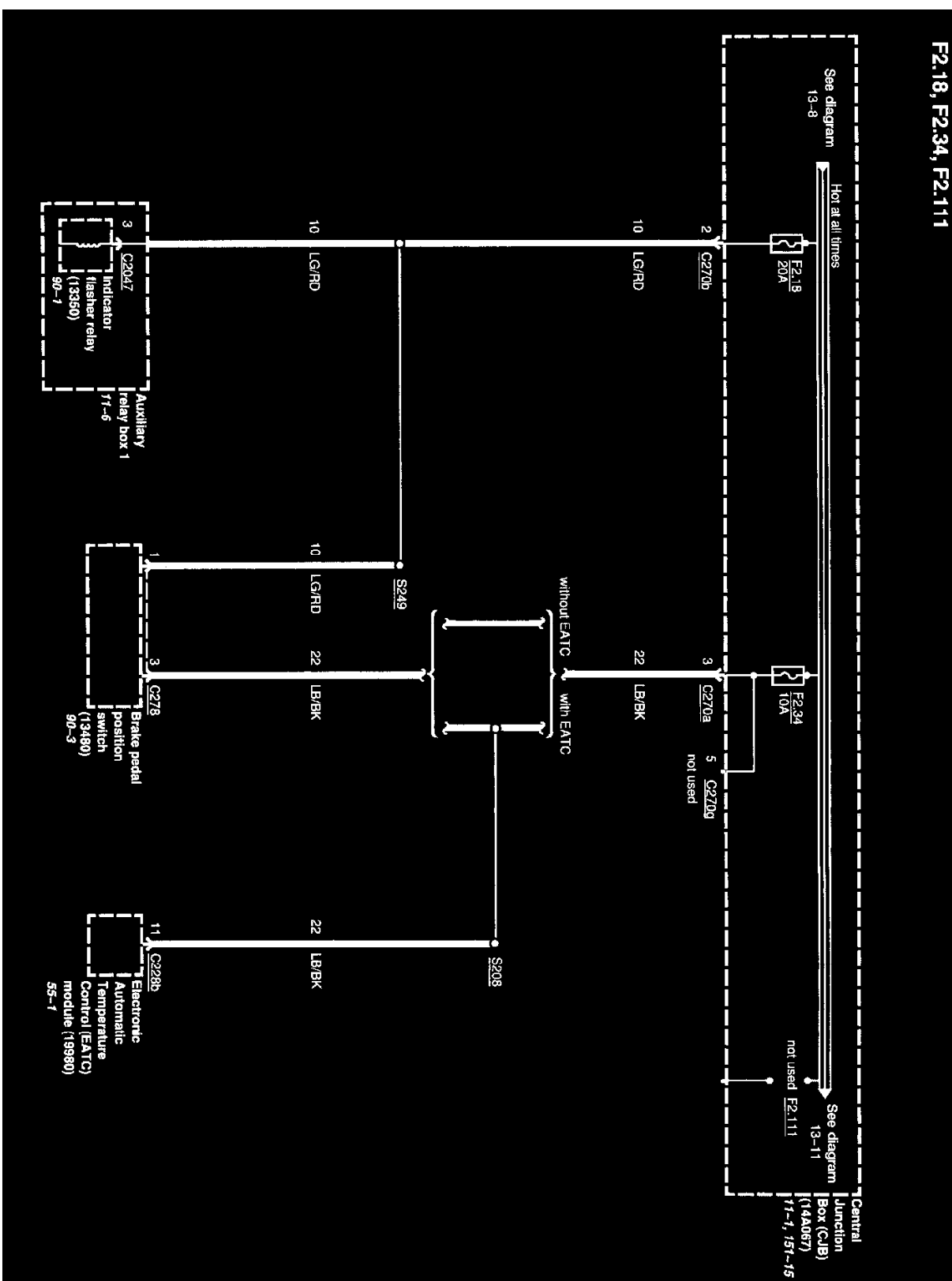
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-10

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

F2.18, F2.34, F2.111



13-10

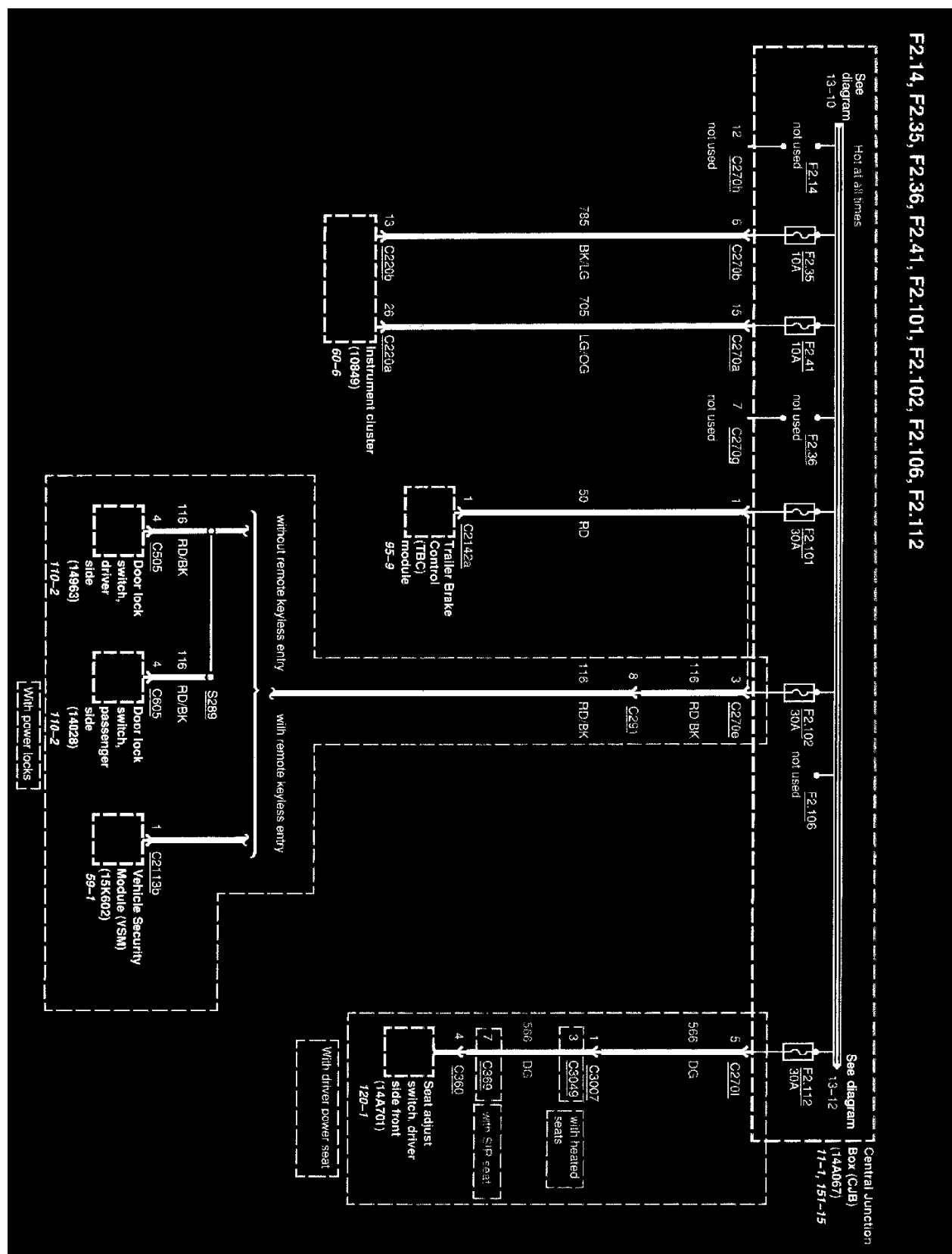
Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-11

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-9

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

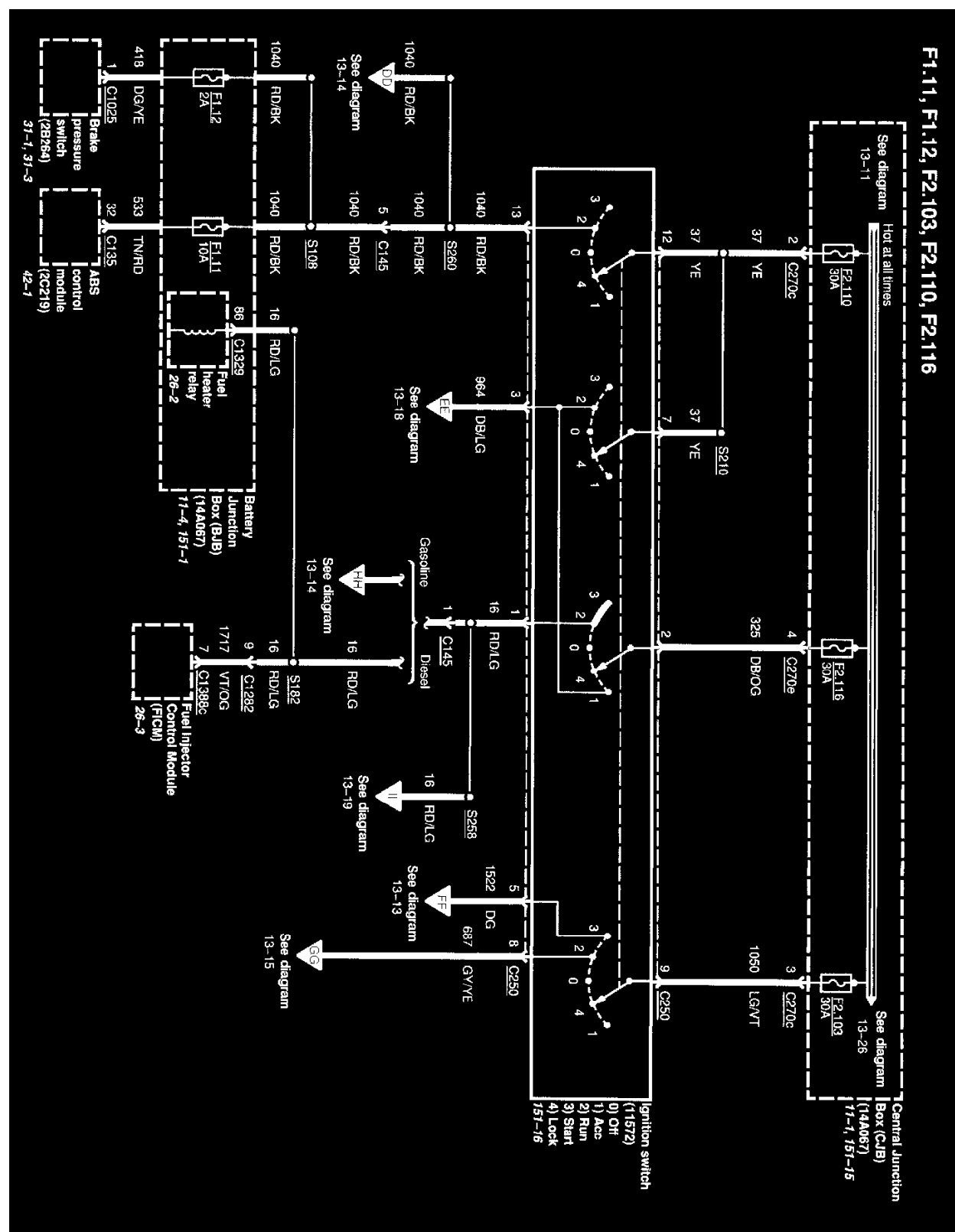
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-12

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-13

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-11

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-13

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

F2.23, F2.31, F2.32

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

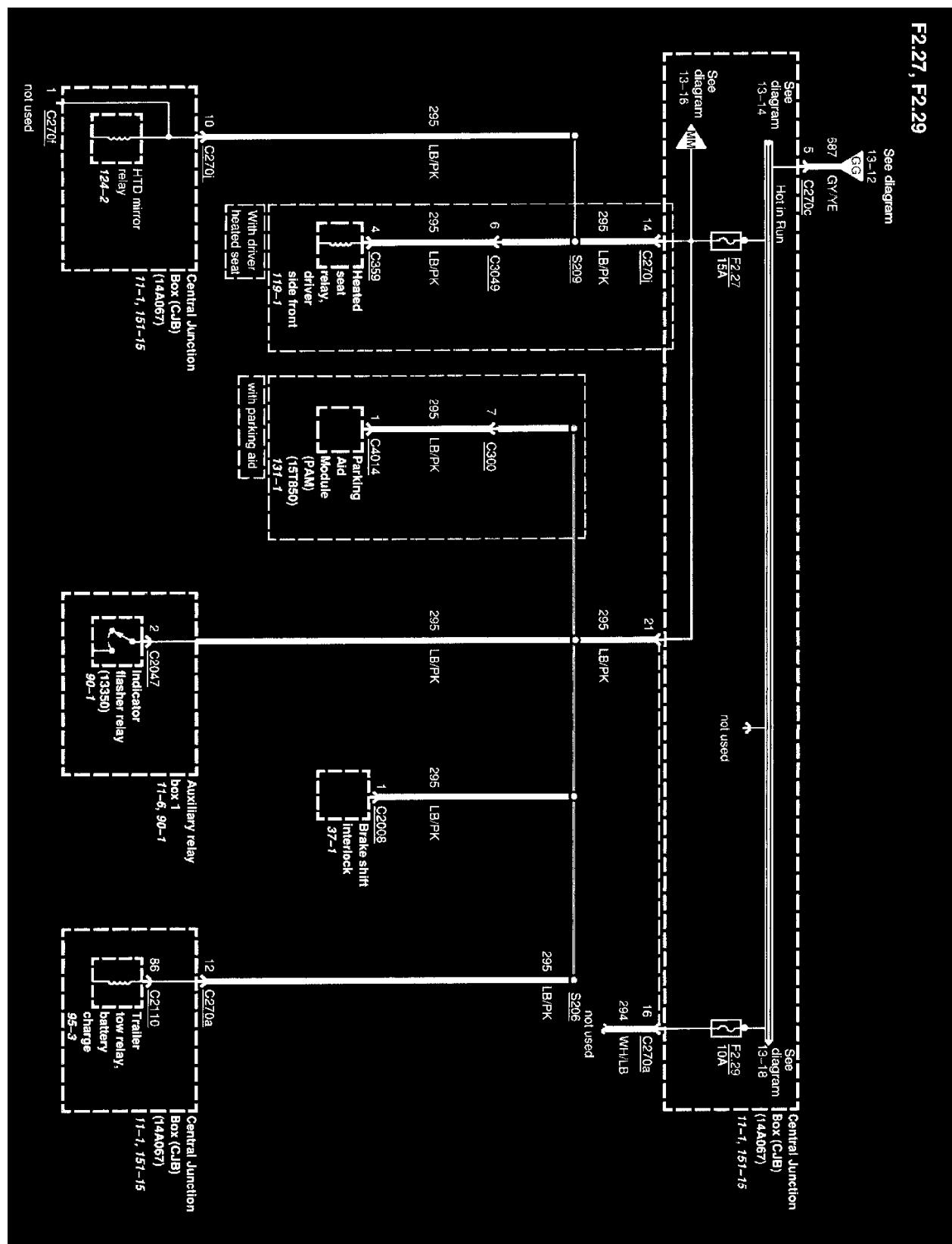
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-13

13-15

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



13-15

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-16

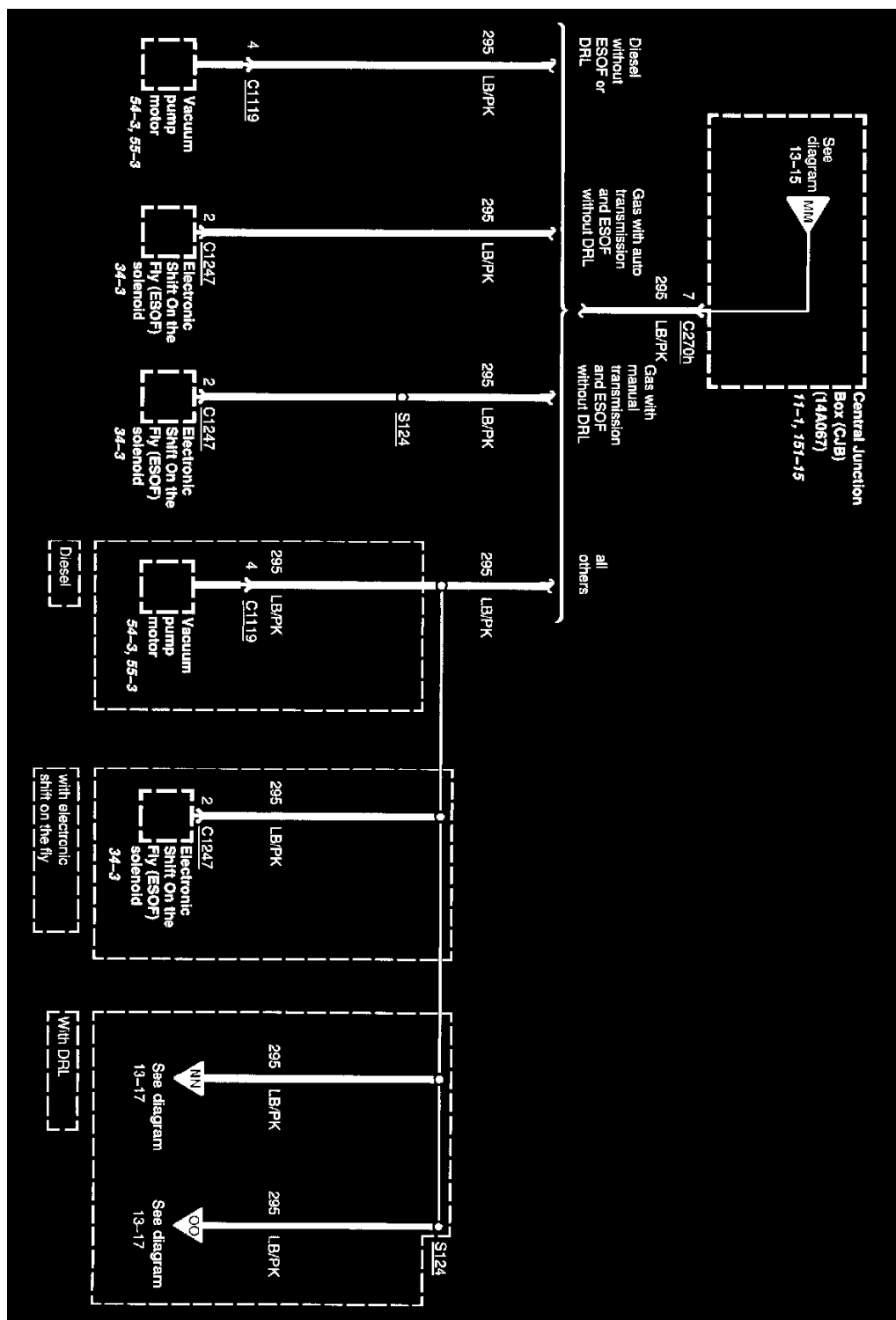
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-14

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-16

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-17

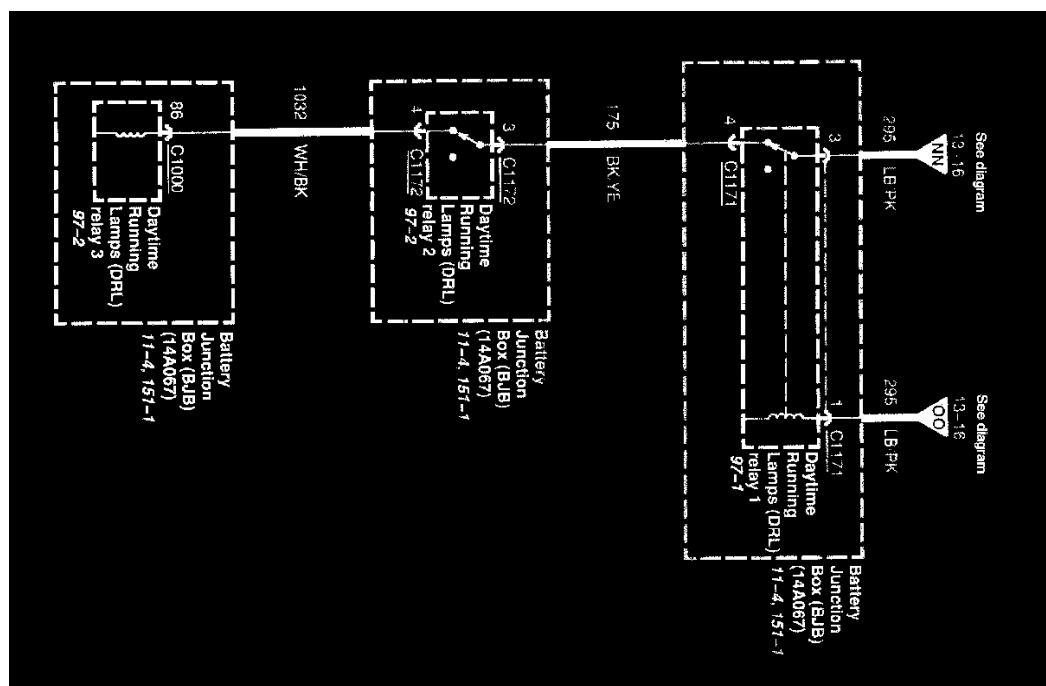
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-15

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-17

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



13-17

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-18

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-16

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-18

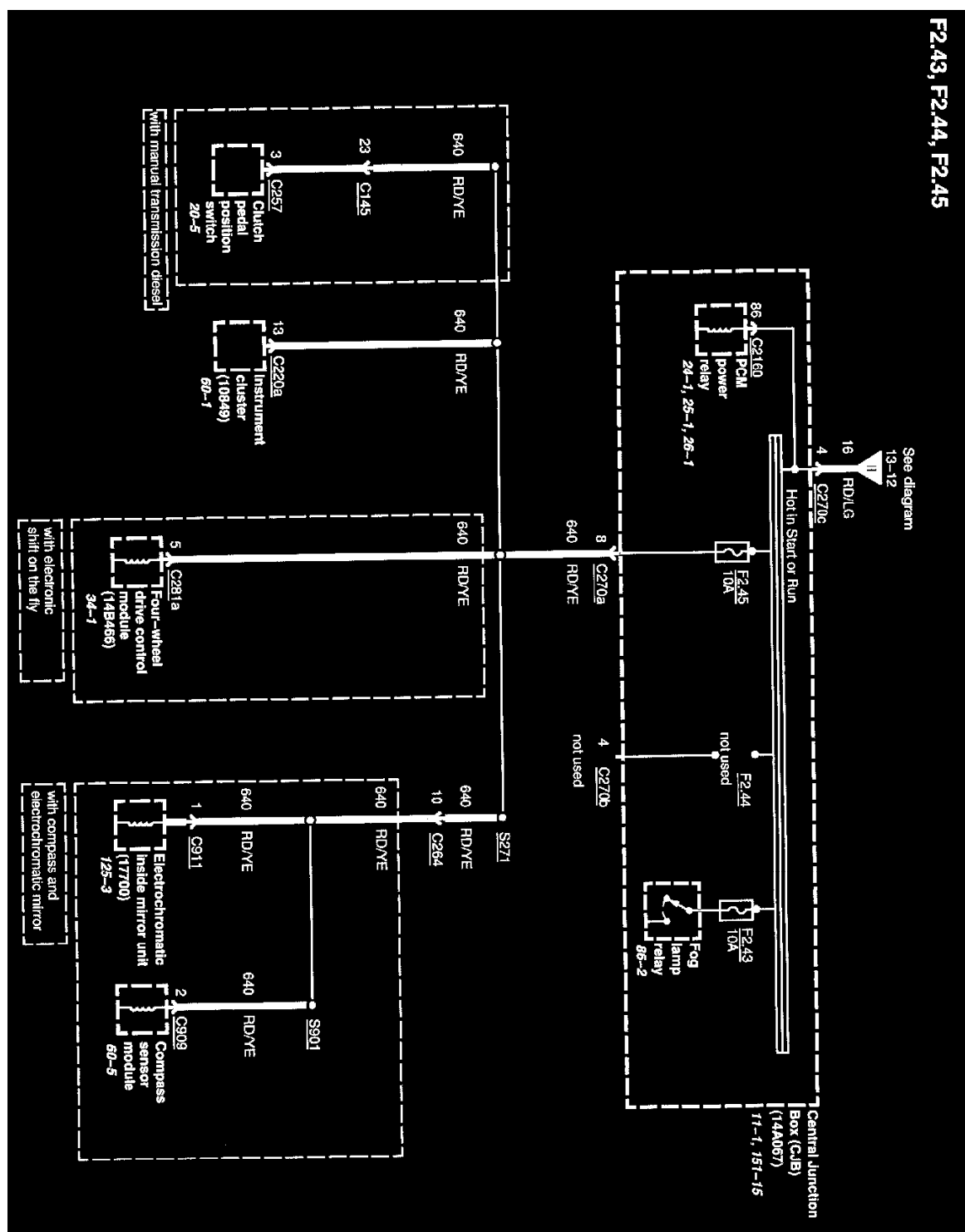
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

F2.24, F2.25, F2.28, F2.33, F2.48

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

See: Components/Component Location Views

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



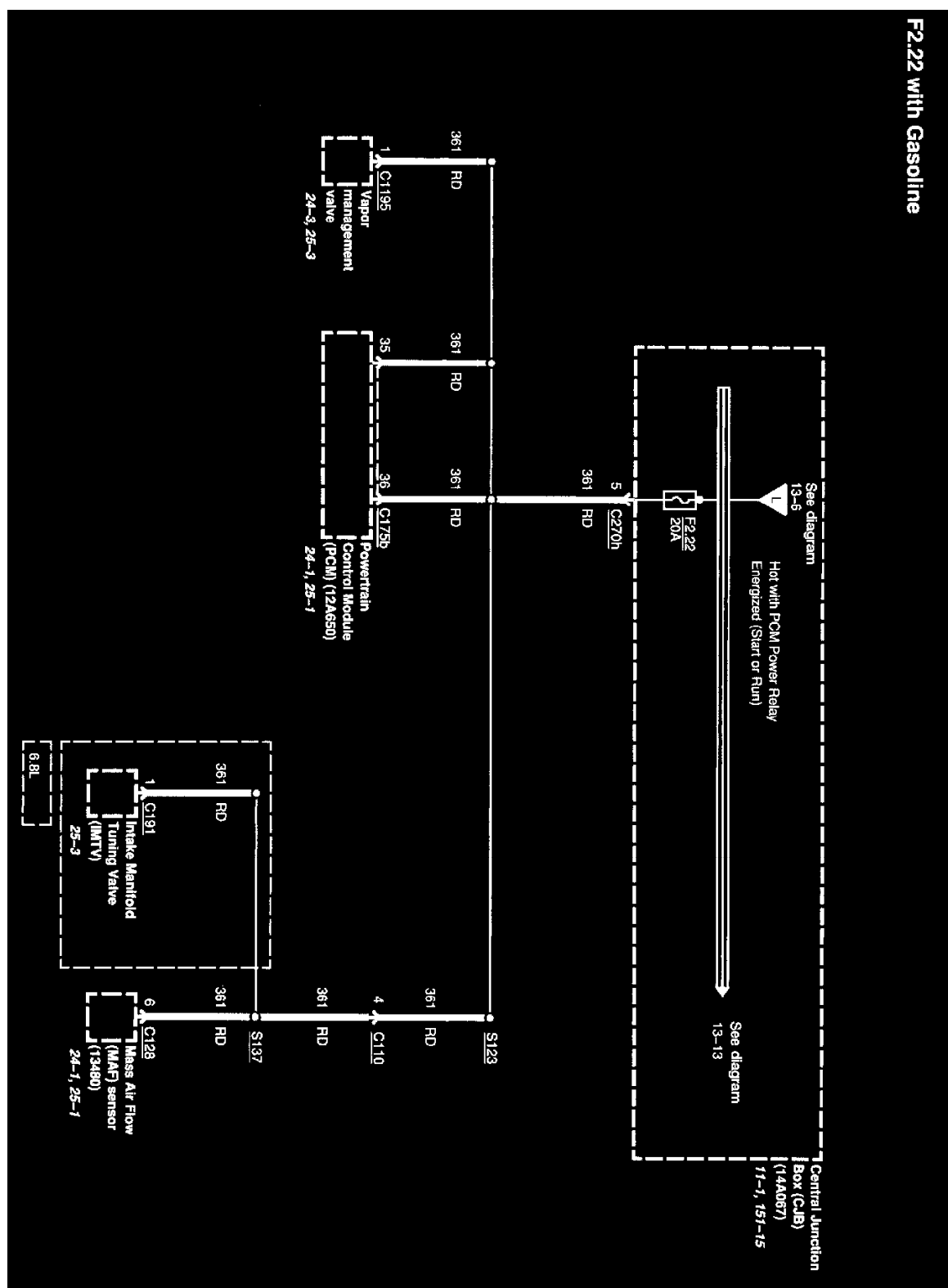
13-19

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-18

Diagrams: Other diagrams referred to by number (See Diagram ###, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

See: Components/Component Location Views

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



13-20

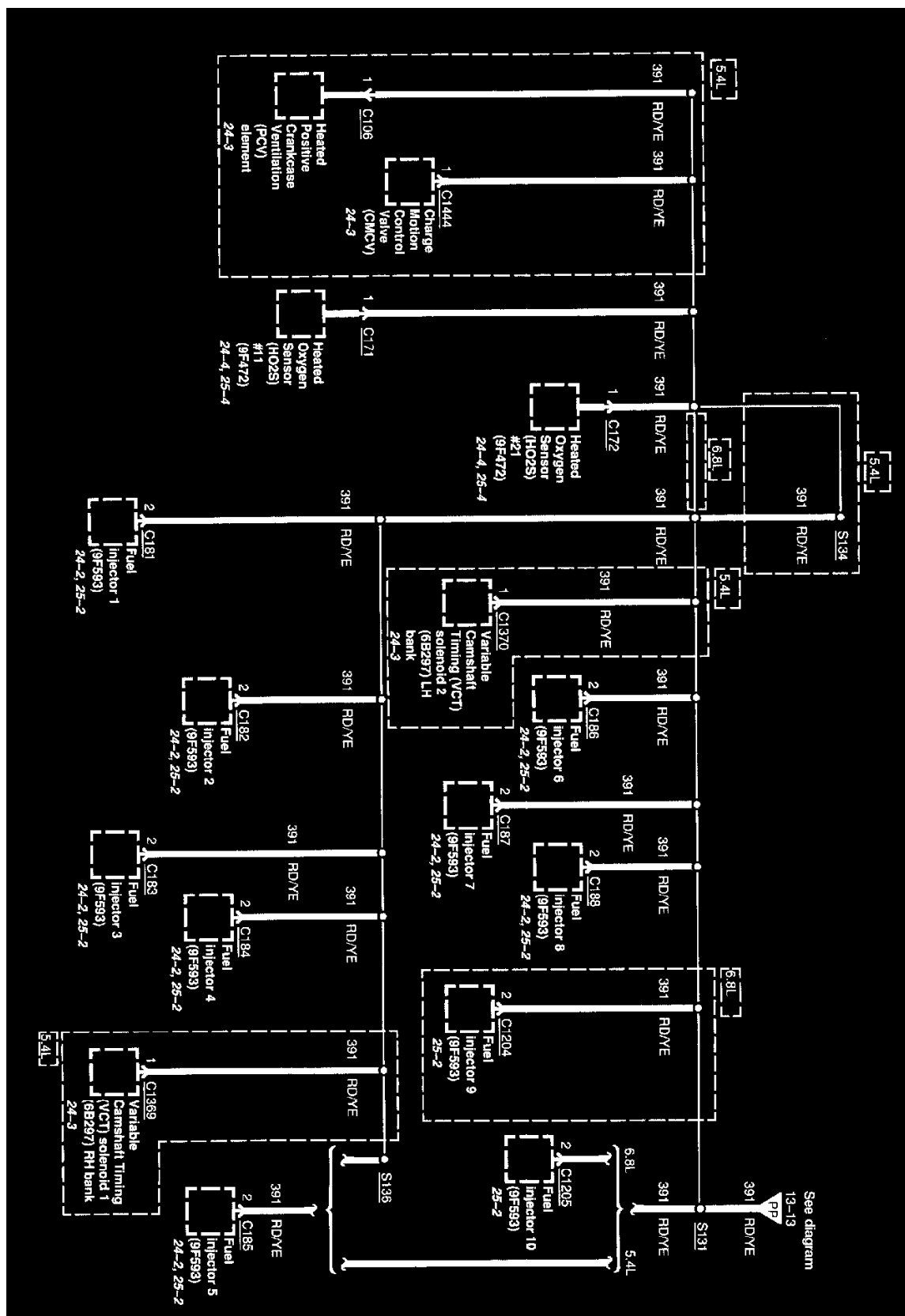
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-19

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-22

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



13-22

Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-23

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-20

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

See: Components/Component Location Views

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Next Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-24

Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-22

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

13-24

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

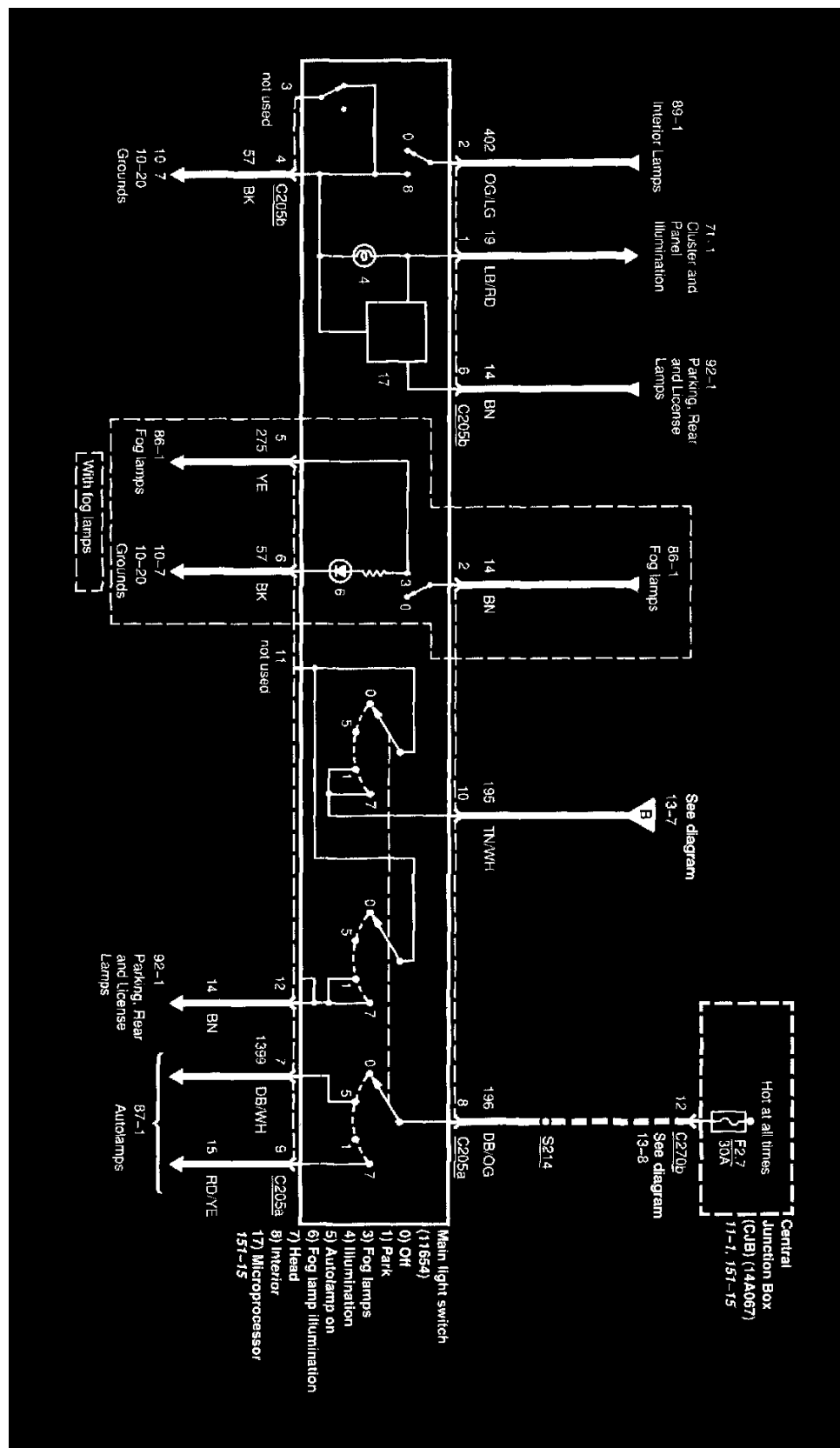


Diagrams: Other diagrams referred to by number (See Diagram ###, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

13-25

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

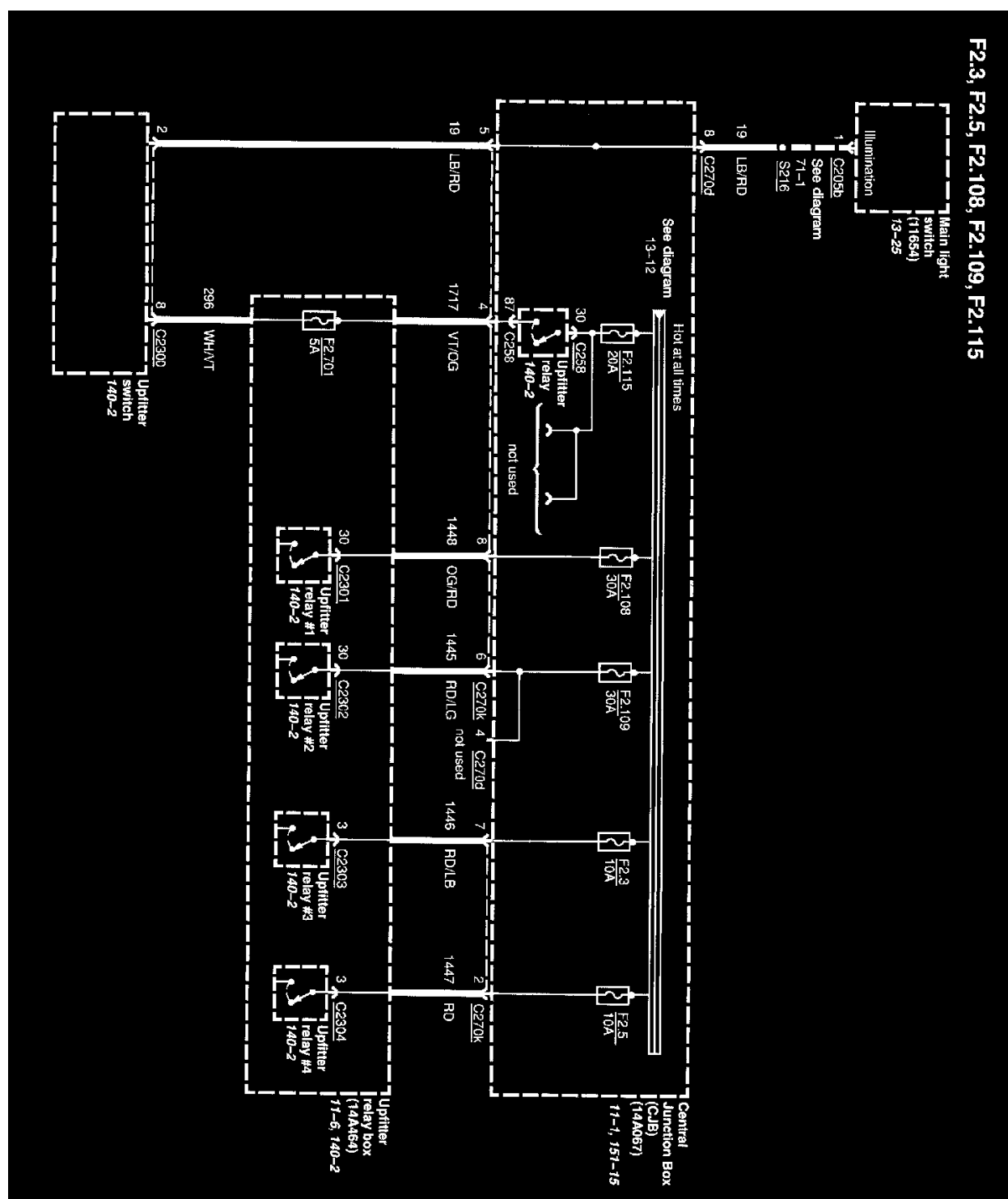


Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-24

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

13-26

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



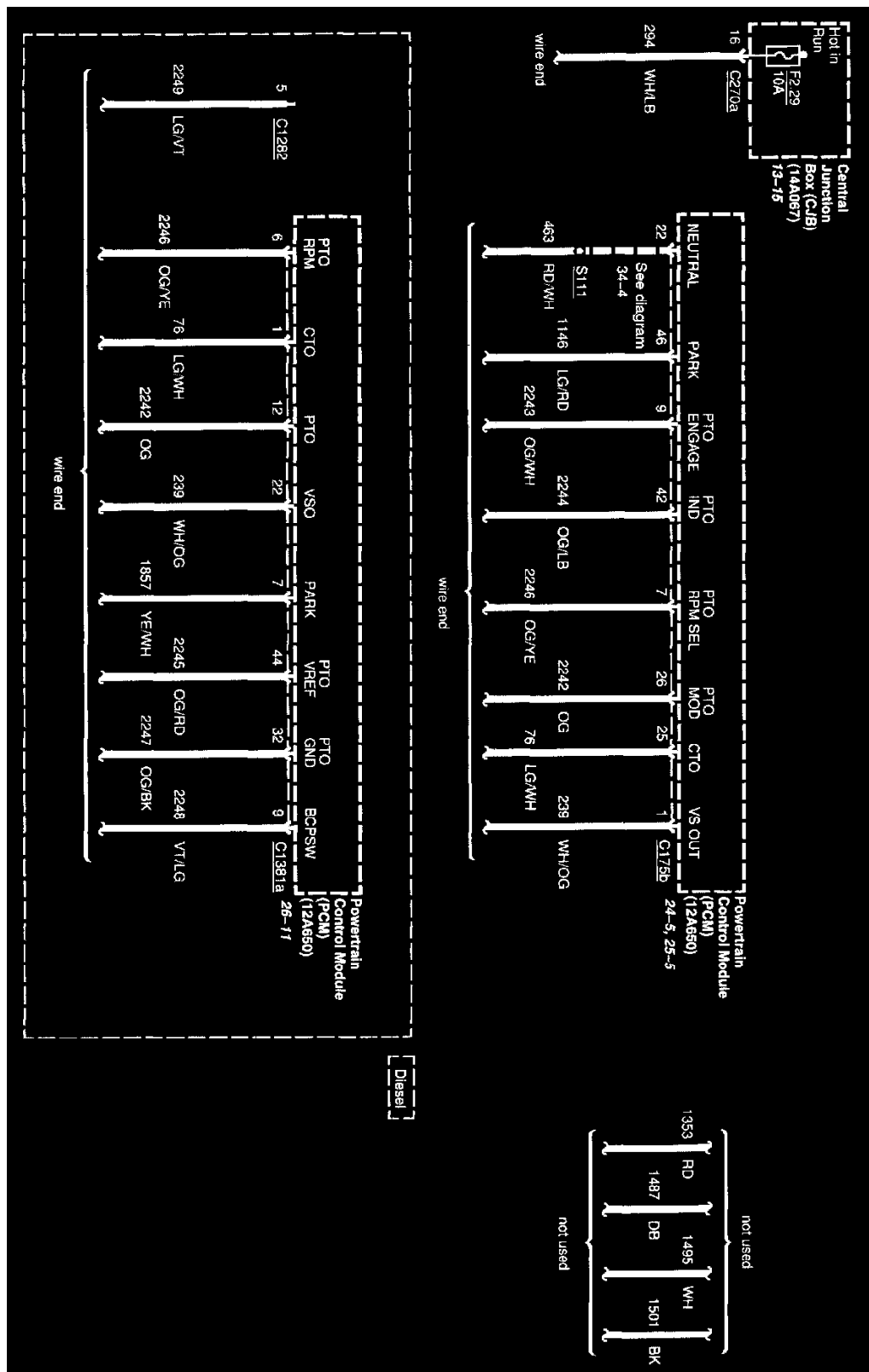
Previous Diagram See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/13-25

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Customer Access

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





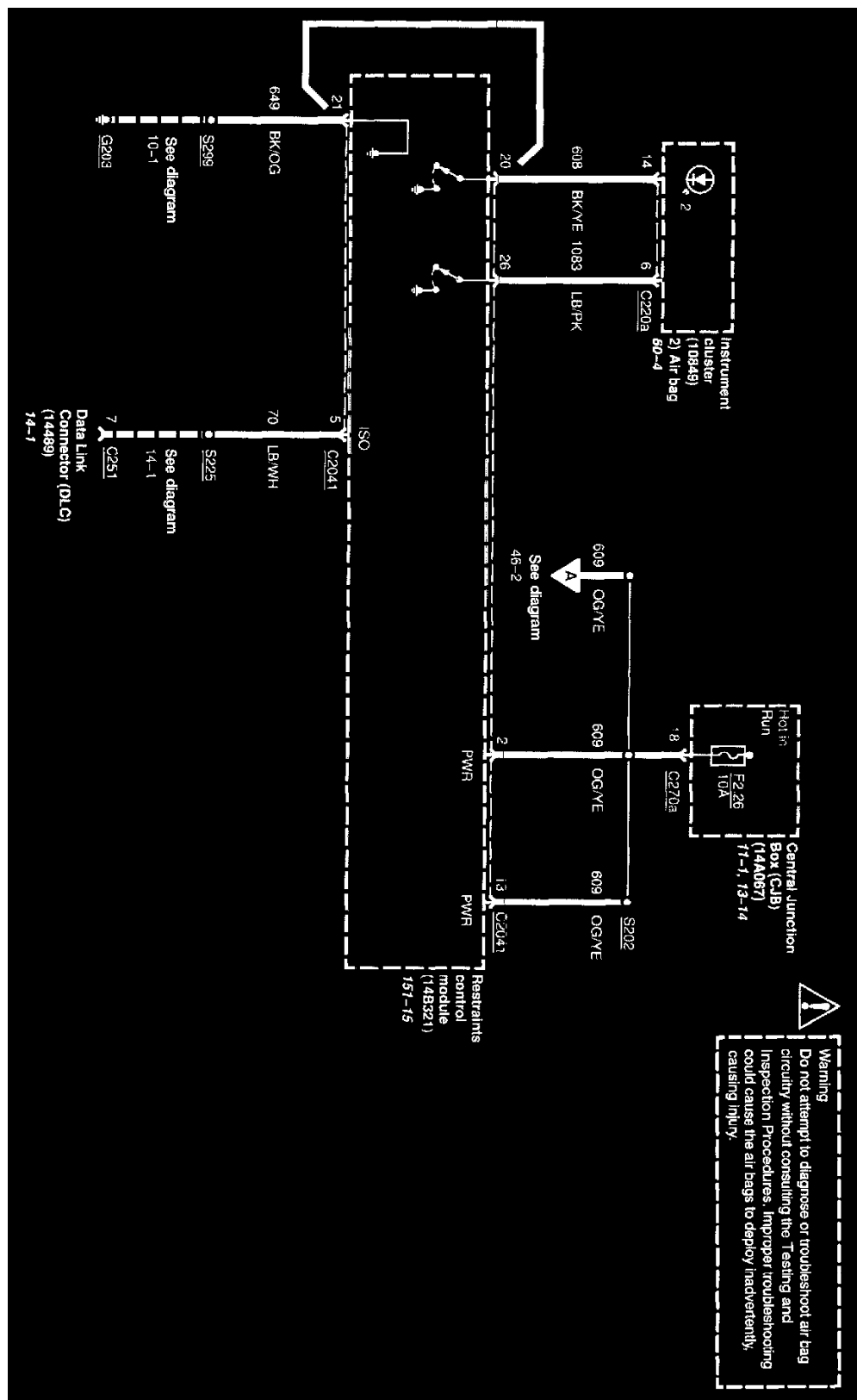
For information regarding diagrams for this component, please refer to Power and Ground Distribution Diagrams. See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/Wiring Diagram Index

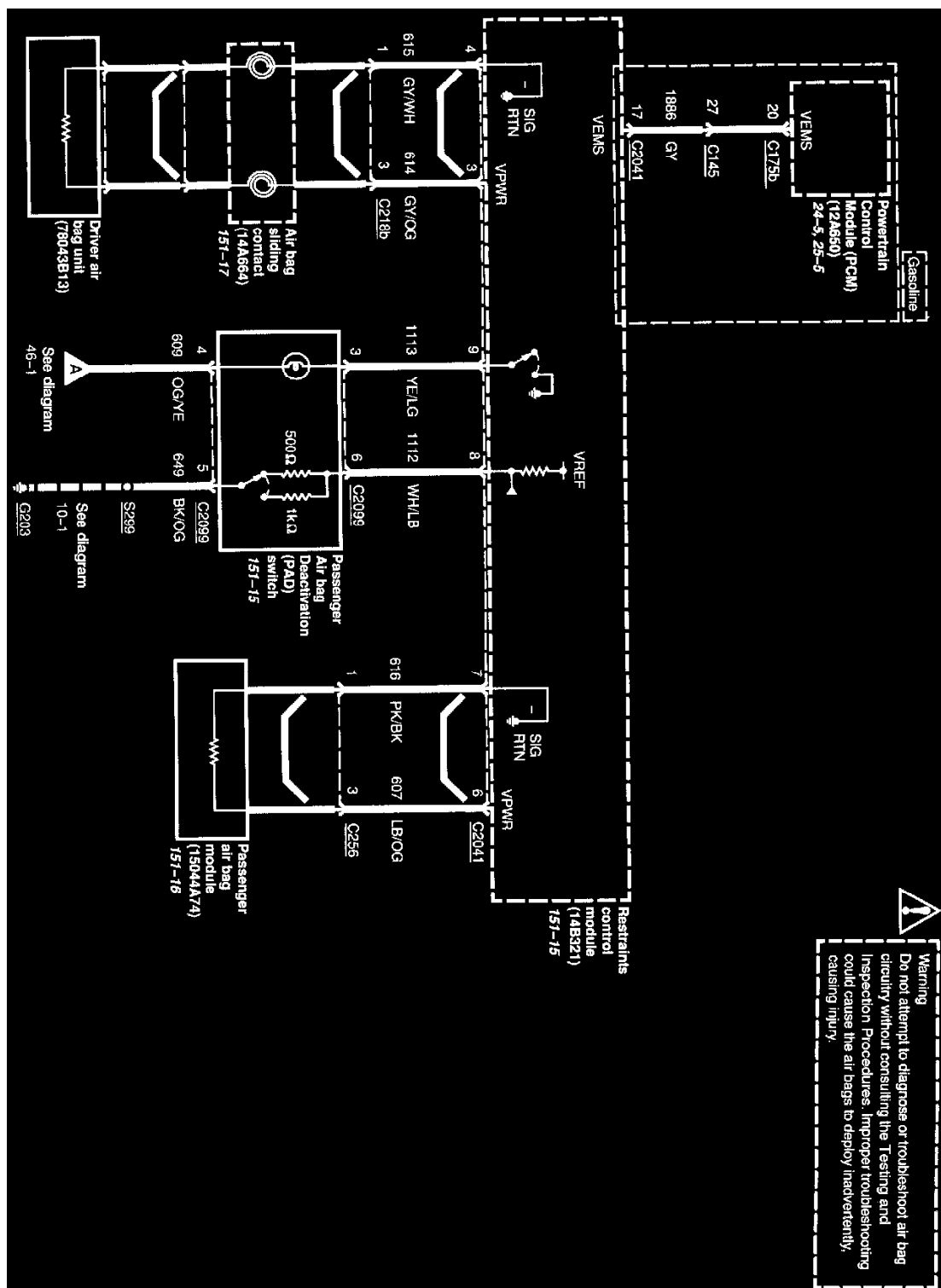
Fuse Block

For information regarding diagrams for this component, please refer to Power and Ground Distribution Diagrams. See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/Wiring Diagram Index

Air Bag Systems

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





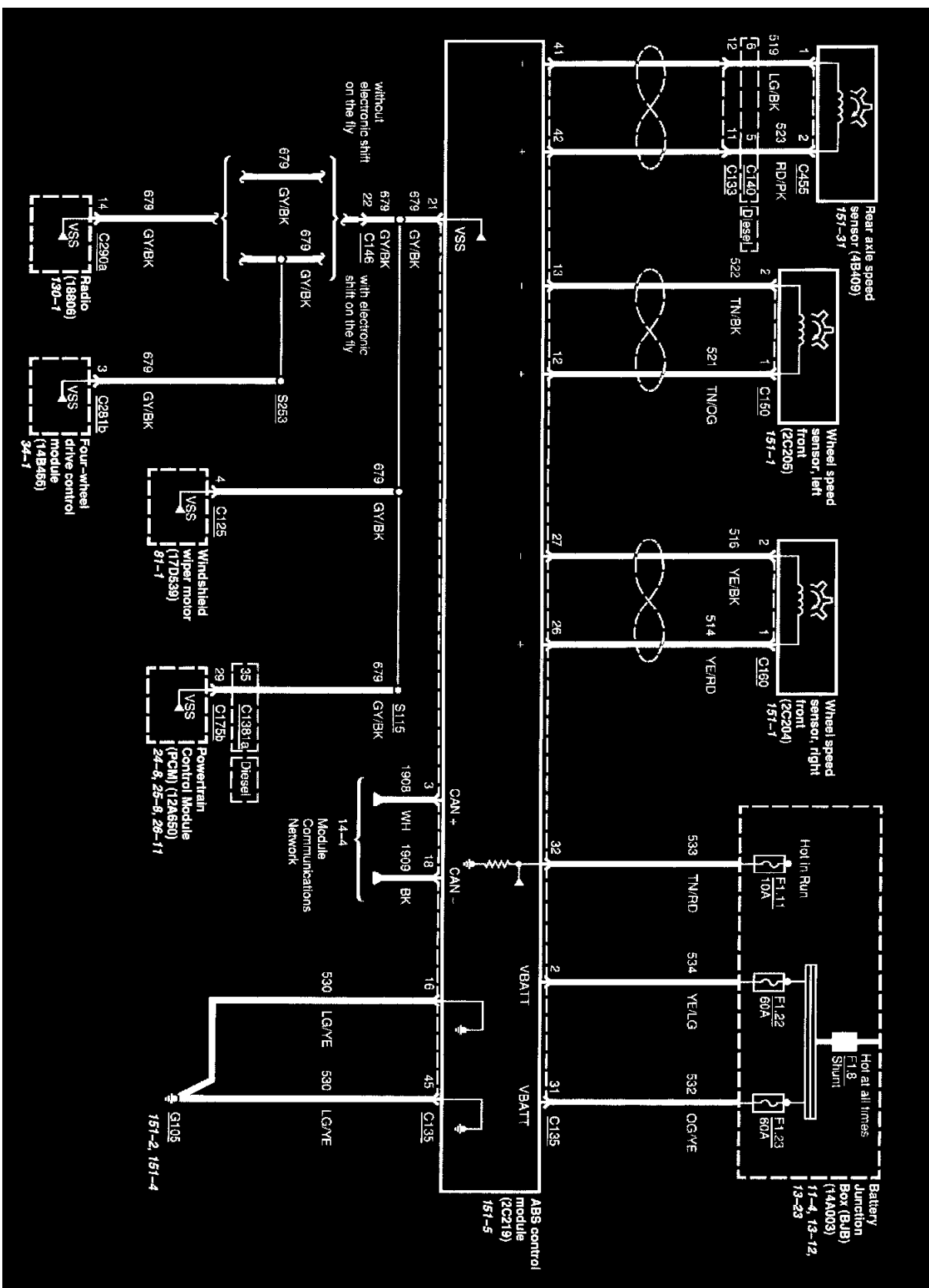
46-2

Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Antilock Brakes / Traction Control Systems

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



42-1

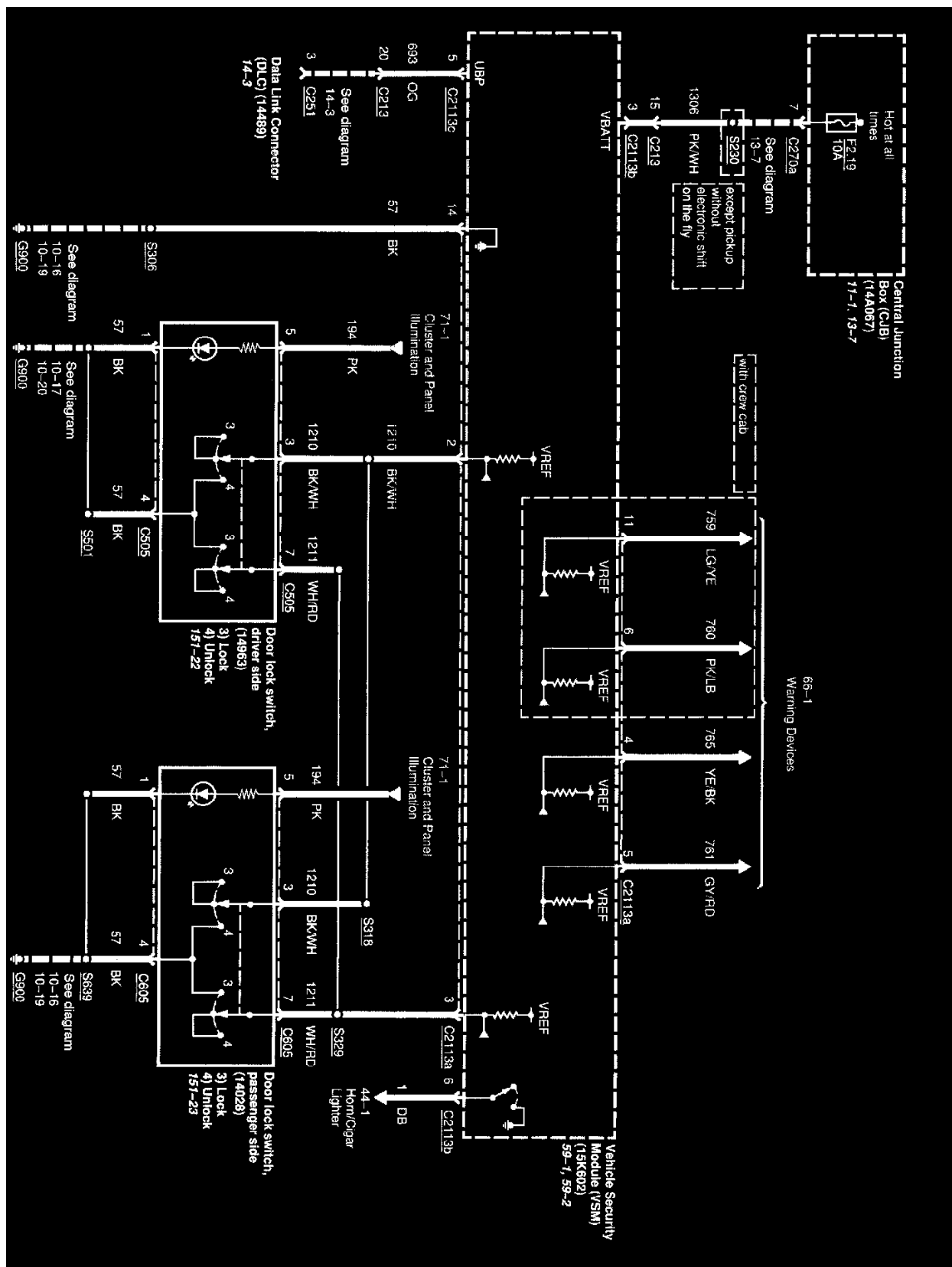
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Antitheft and Alarm Systems

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

not apply to the vehicle model selected.







Overdrive Switch, A/T

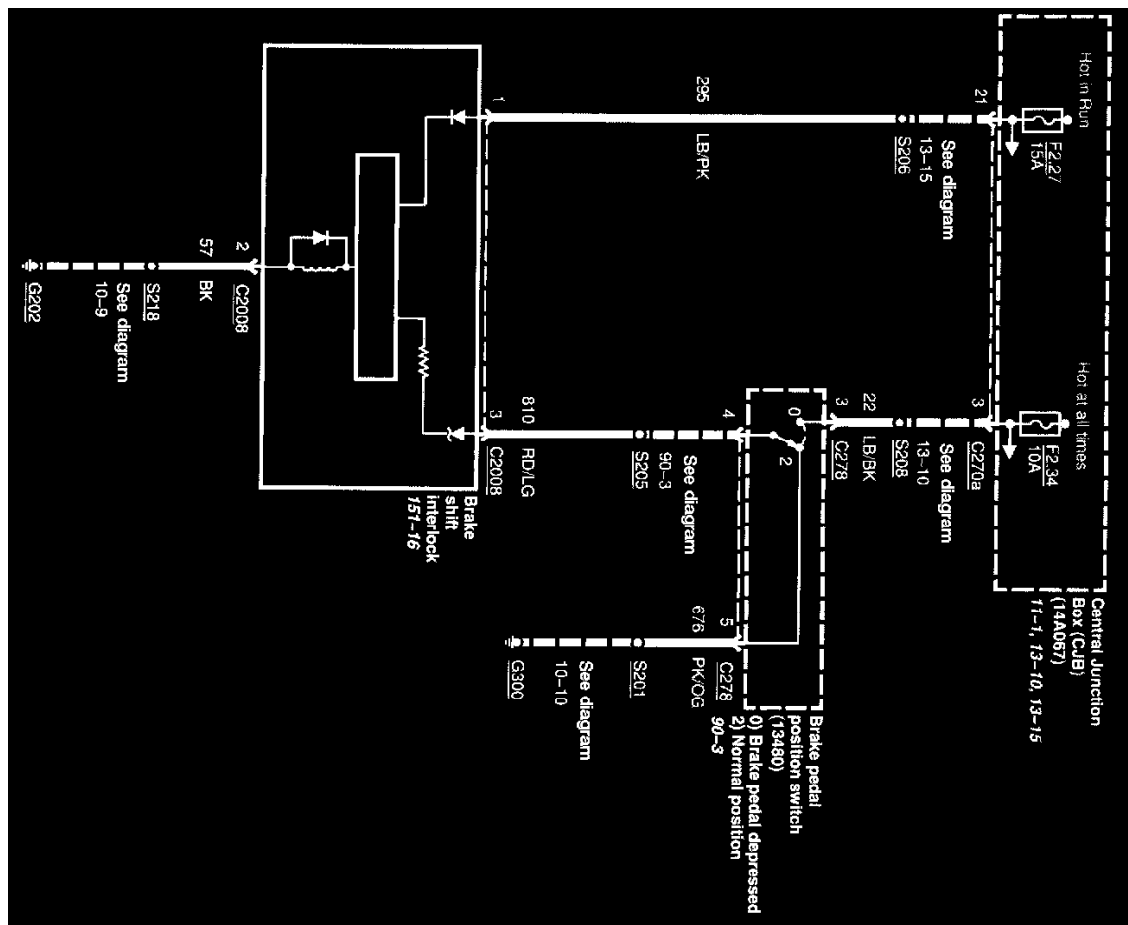
For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Pressure Regulating Solenoid, A/T

For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Shift Interlock, A/T

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



37-1

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Shift Solenoid, A/T

For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Throttle Position Sensor/Switch, A/T

For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Torque Converter Clutch Solenoid

For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Transmission Mode Switch, A/T

For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

Transmission Position Switch/Sensor, A/T

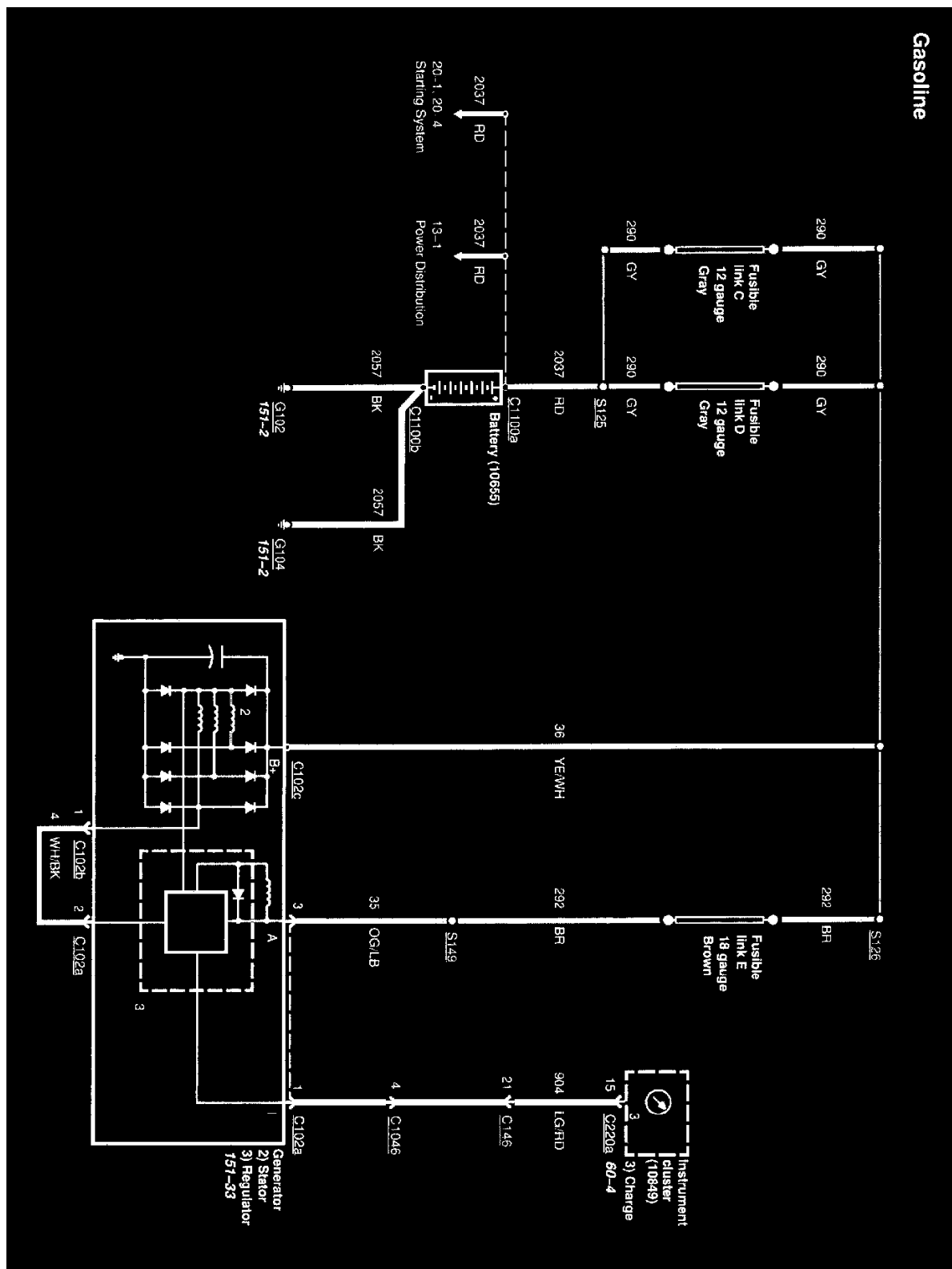
For information regarding diagrams for this component, please refer to Transmission Control Systems Diagrams. See: Electrical Diagrams/Transmission Control Systems/Wiring Diagram Index

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



12-1

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

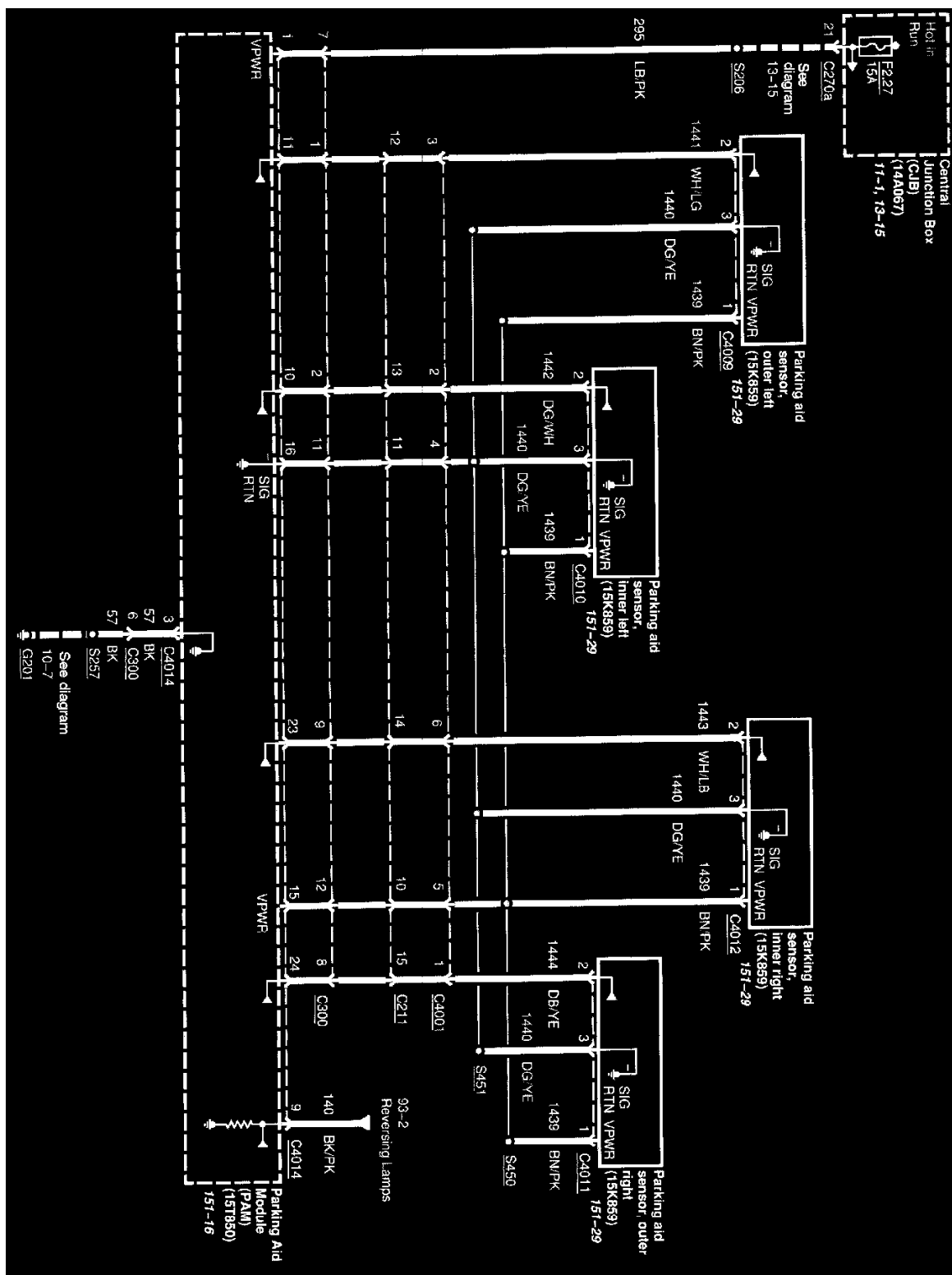
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Alternator

For information regarding diagrams for this component, please refer to Charging System Diagrams. See: Starting and Charging/Charging System/Diagrams/Electrical Diagrams

Collision Avoidance and Parking Assist Systems

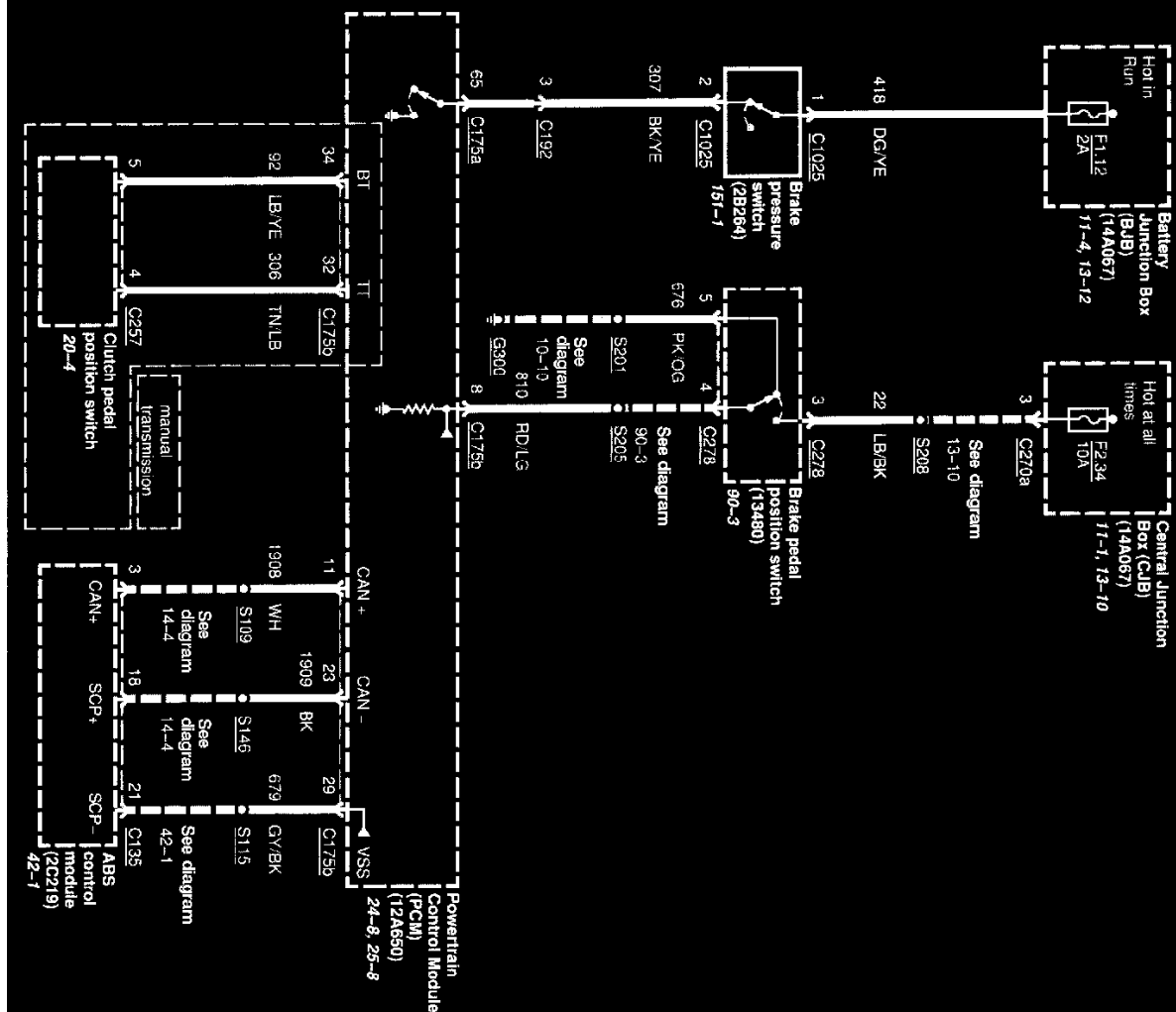
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

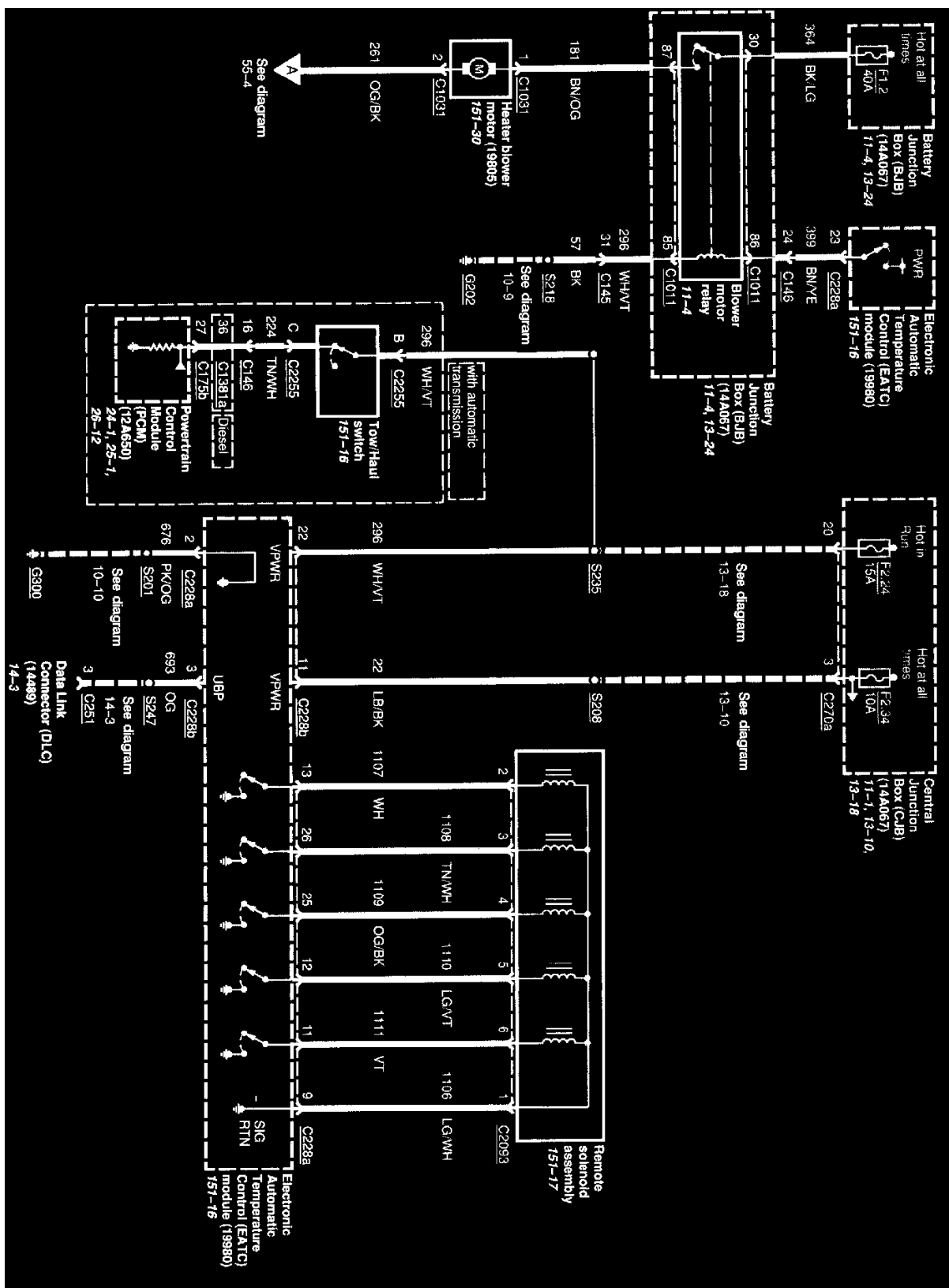
Gasoline



Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Automatic Climate Control System

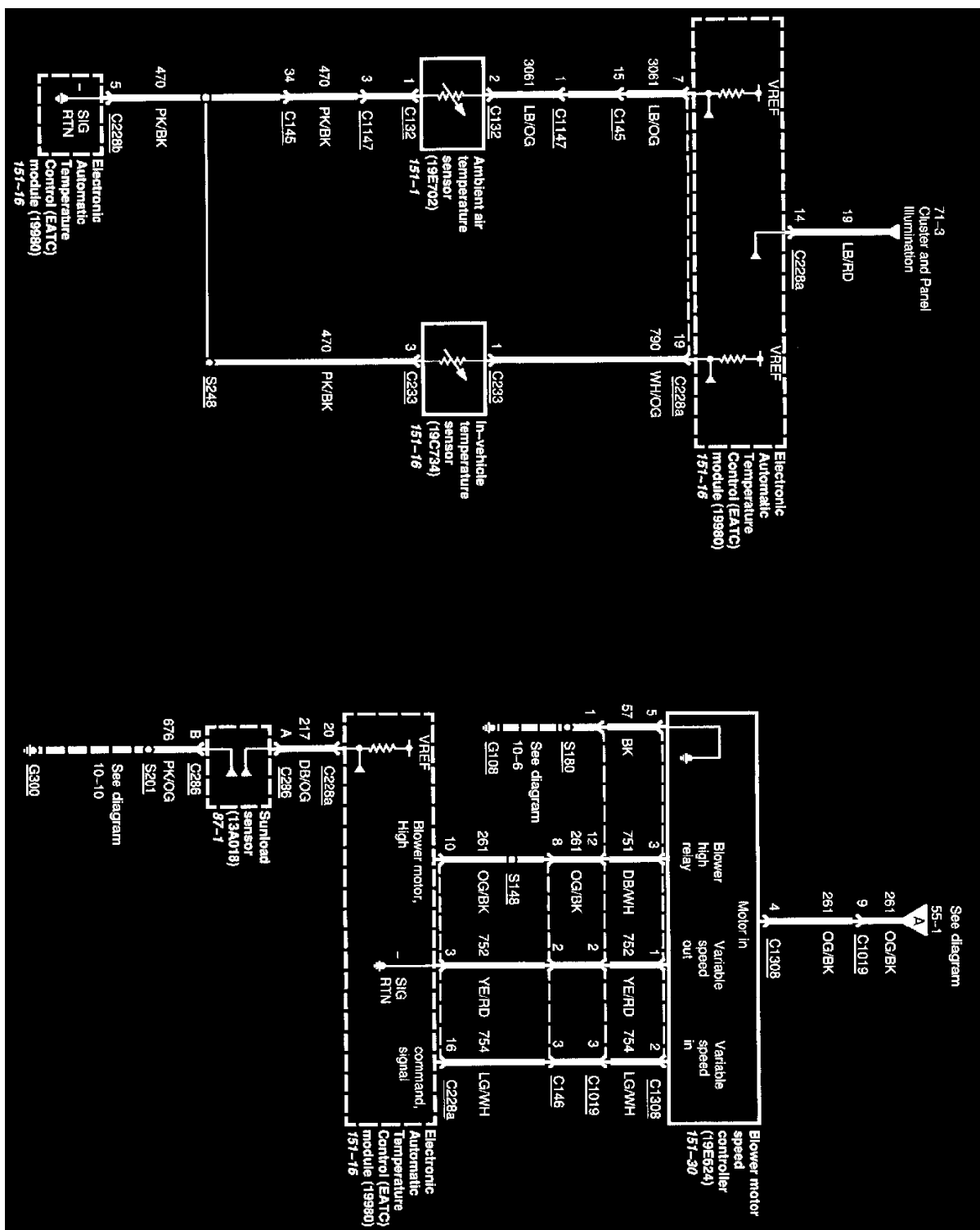
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Gasoline

The diagram illustrates the electrical system for a gasoline engine, featuring the following components and connections:

- Electronic Automatic Temperature Control (EATC) module (19980) 151-16**: Connected to terminals 18 (C228b) and 348 (VT).
- A/C compressor cycling switch (19E581)**: Connected to terminals 17 (C146), 3 (C1046), 4 (C1081), and 5 (A1 or below 159kPa (23psi) 5) A1 or above 250kPa (42psi) 151-30).
- A/C high pressure switch (19D594)**: Connected to terminals 1 (C1078), 7, and 6.
- Hot in Start or Fun**: Connected to terminals 6 (C270h) and 391 (RD/YE).
- Central Junction Box (CJB) (14A067) 71-1, 13-13**: Connected to terminals 1, 2, 3, and 5 (C1008).
- Battery Junction Box (BJB) (14A003) 71-4, 13-13, 13-24**: Connected to terminals 326 (WH/VT) and 321 (GY/WH).
- Hot at all times**: Connected to terminals 11 (E117 10A) and 321 (GY/WH).
- A/C clutch relay (11-4)**: Connected to terminals 1, 2, 3, and 5 (C1008).
- A/C clutch field coil (19D796) 151-7**: Connected to terminals 1 (C100), 2 (C1046), and 57 (BK).
- A/C compressor clutch diode**: Connected to terminals 11 (C270f) and 57 (BK).
- Control Module (PCM) (12A650) 24-1, 25-1**: Connected to terminals 4, 3 (C175a), and 8 (C1046).
- Powertrain**: Connected to terminals 3 (C192) and 331 (PK/YE).
- See diagram**: Indicated for terminals 13-13 and 10-2.





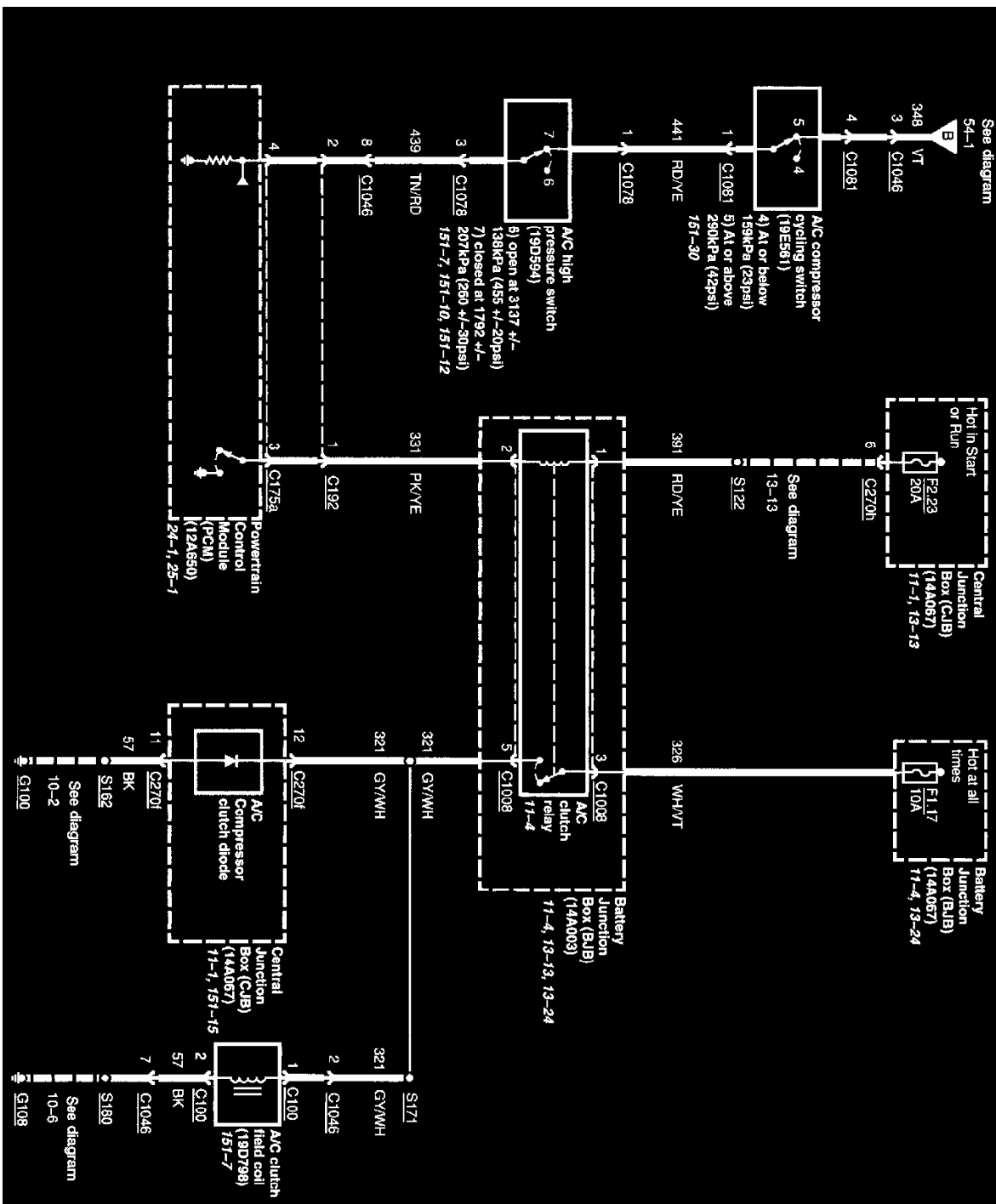
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

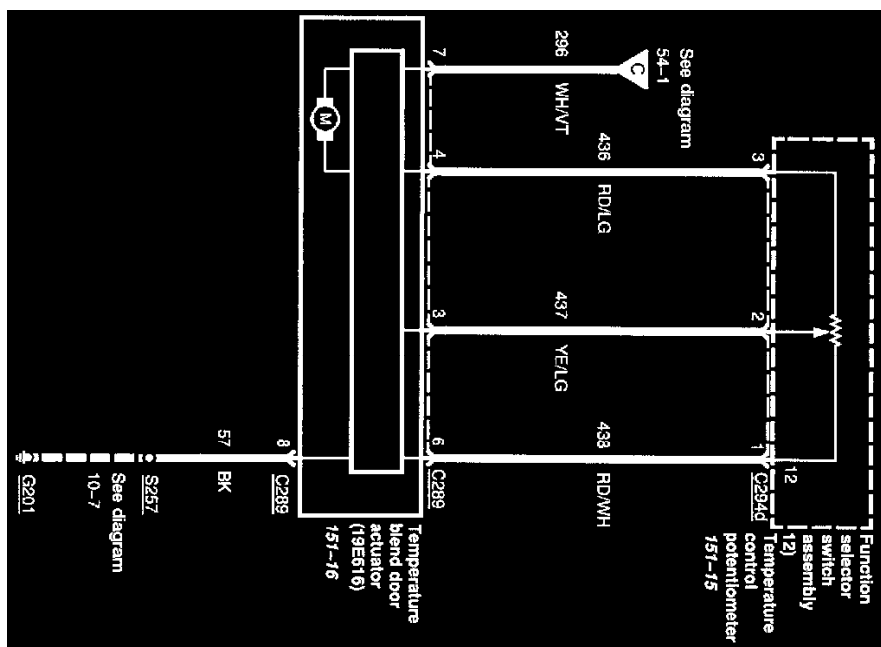
Manual Climate Control System

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Gasoline





54-4

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Blower Motor

For information regarding diagrams for this component, please refer to Heating and Air Conditioning Diagrams. See: Heating and Air Conditioning/Diagrams/Electrical Diagrams

Compressor HVAC

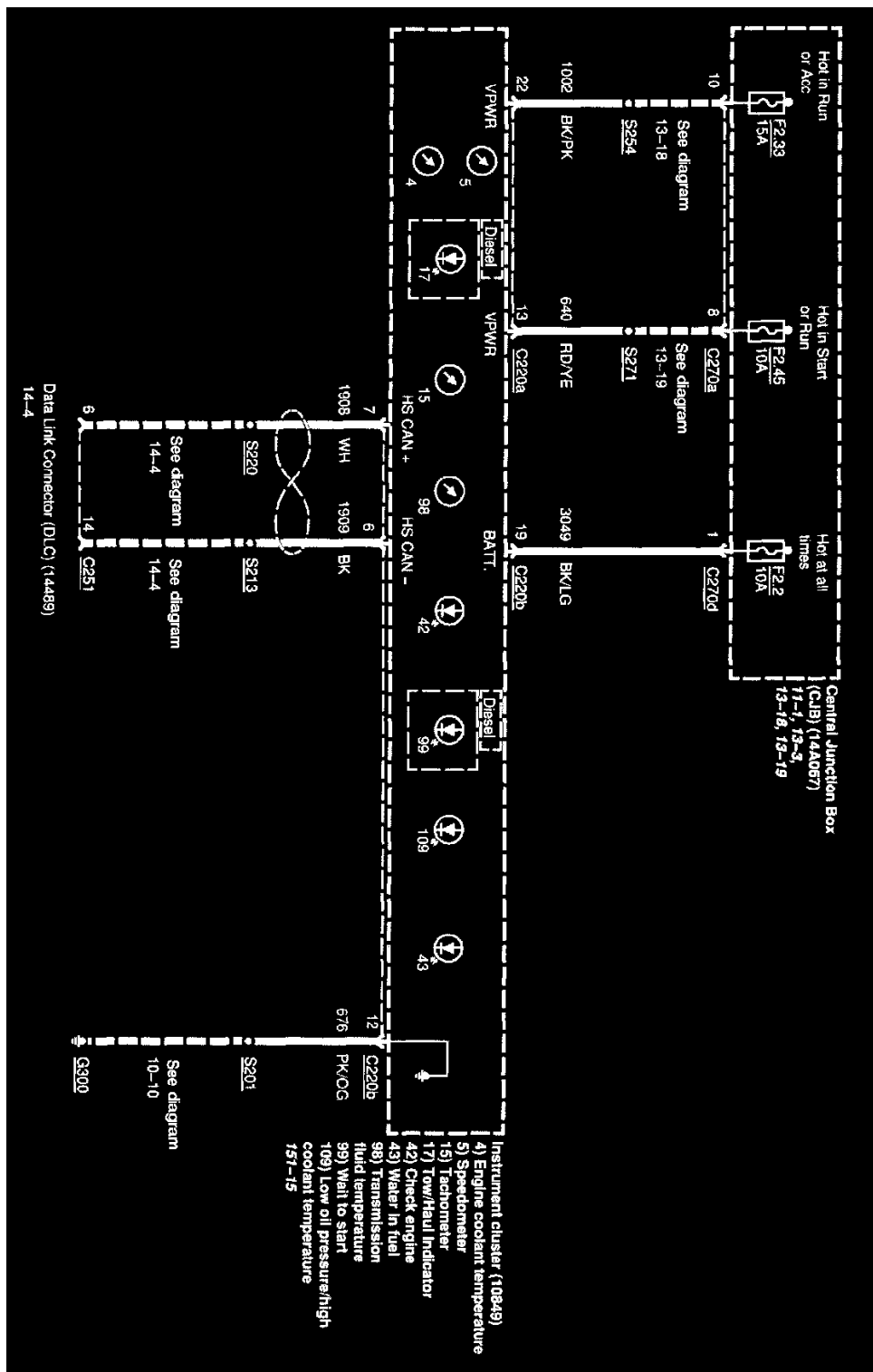
For information regarding diagrams for this component, please refer to Heating and Air Conditioning Diagrams. See: Heating and Air Conditioning/Diagrams/Electrical Diagrams

Control Assembly, HVAC

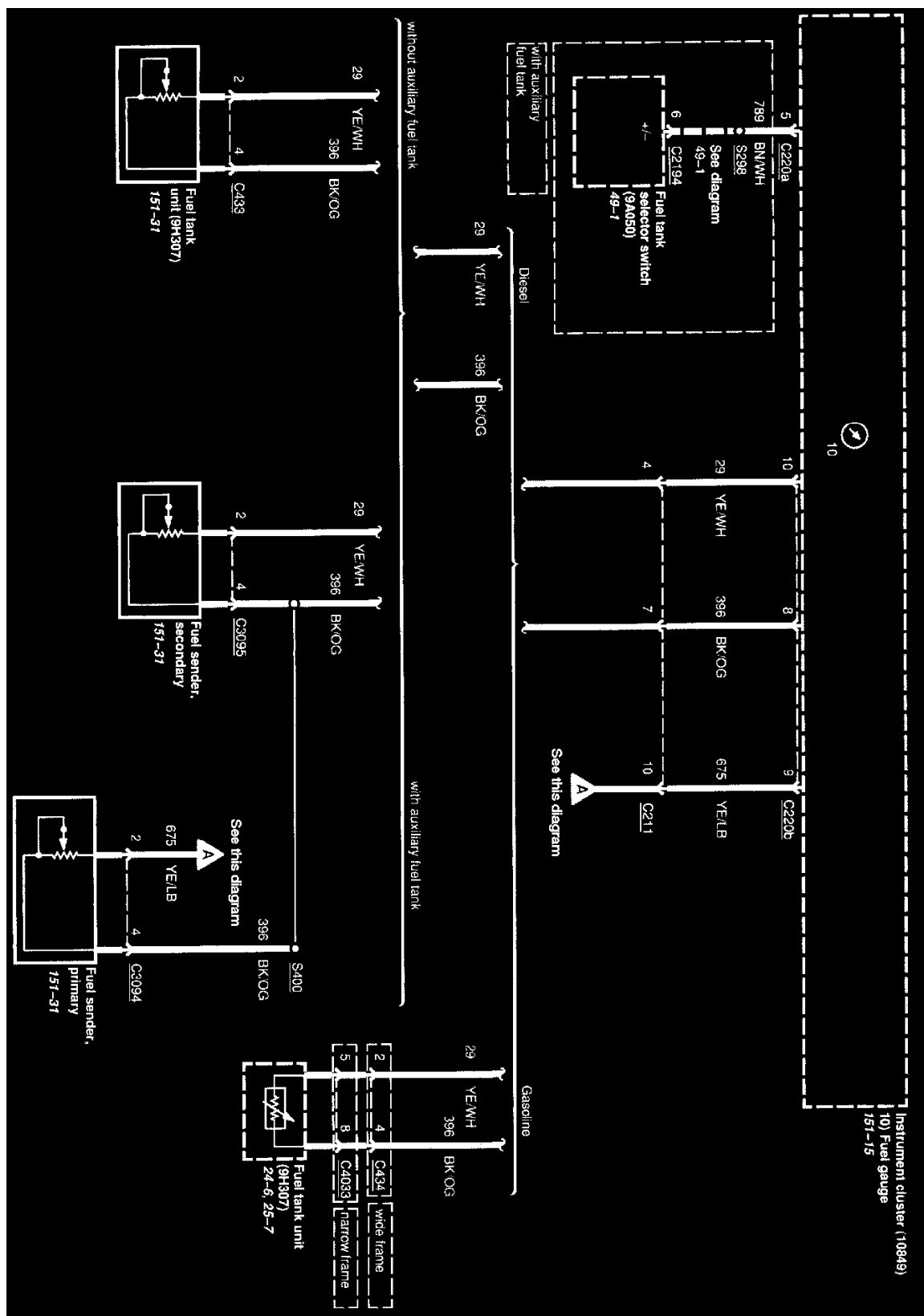
For information regarding diagrams for this component, please refer to Heating and Air Conditioning Diagrams. See: Heating and Air Conditioning/Diagrams/Electrical Diagrams

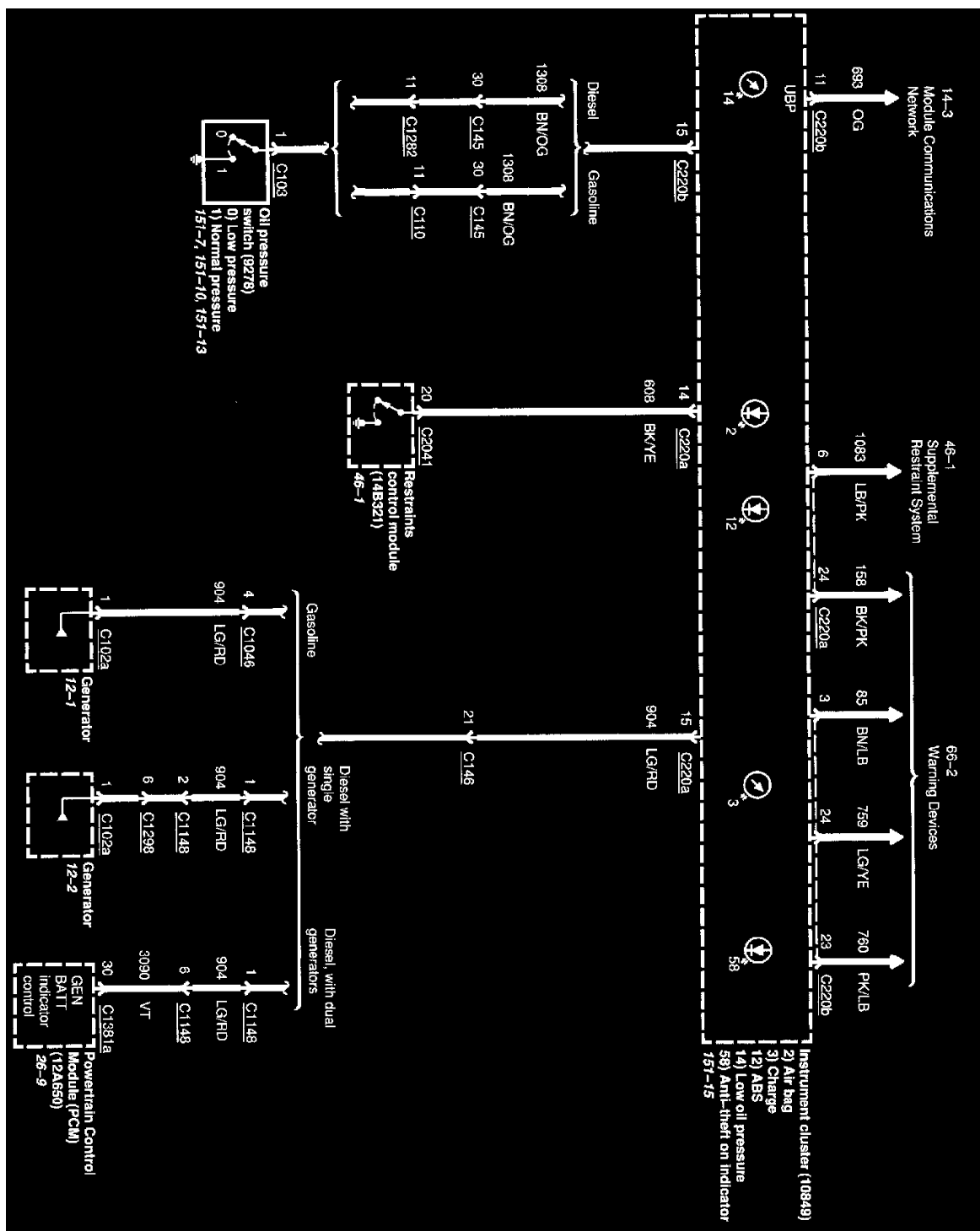
Instrument Cluster

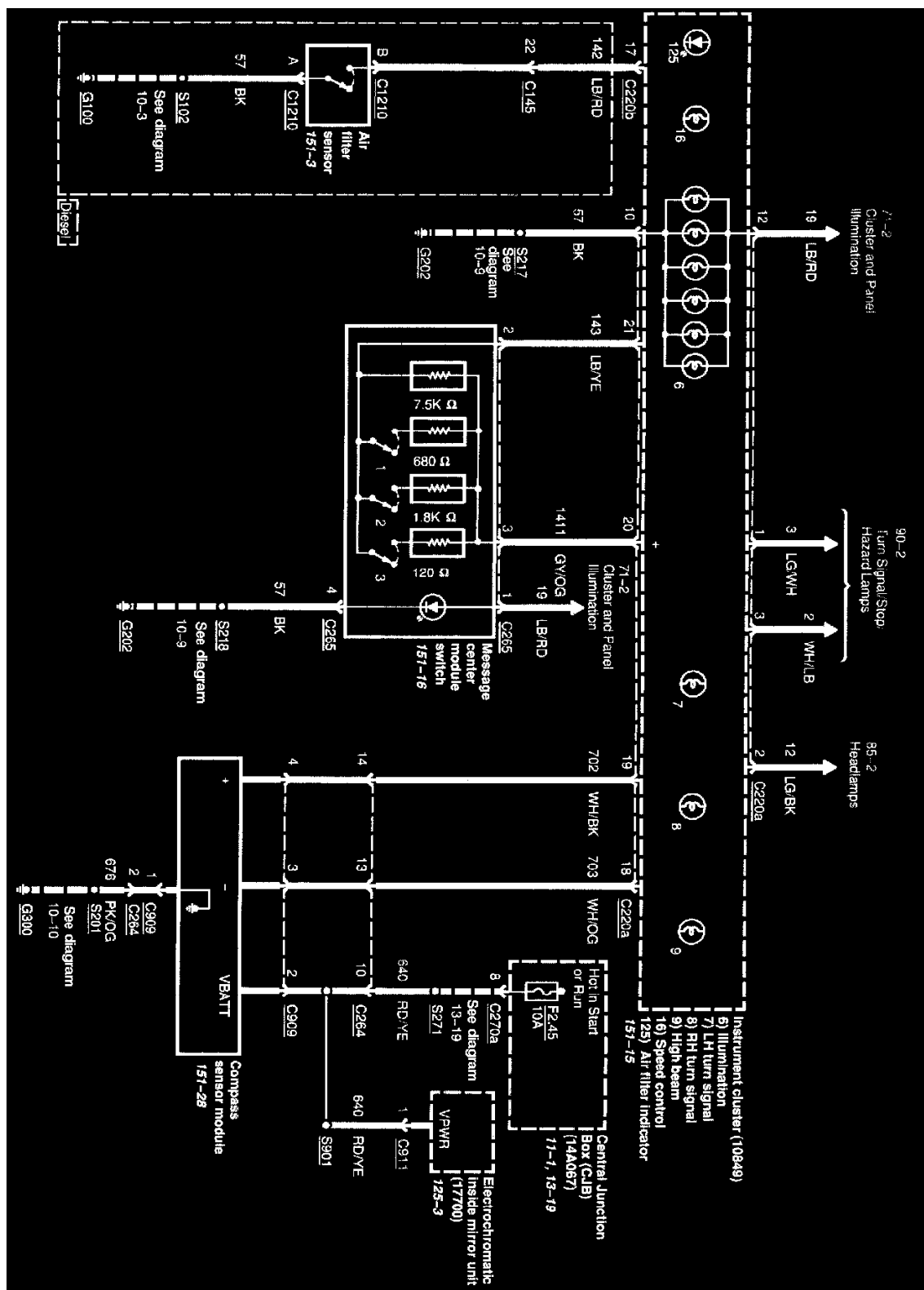
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

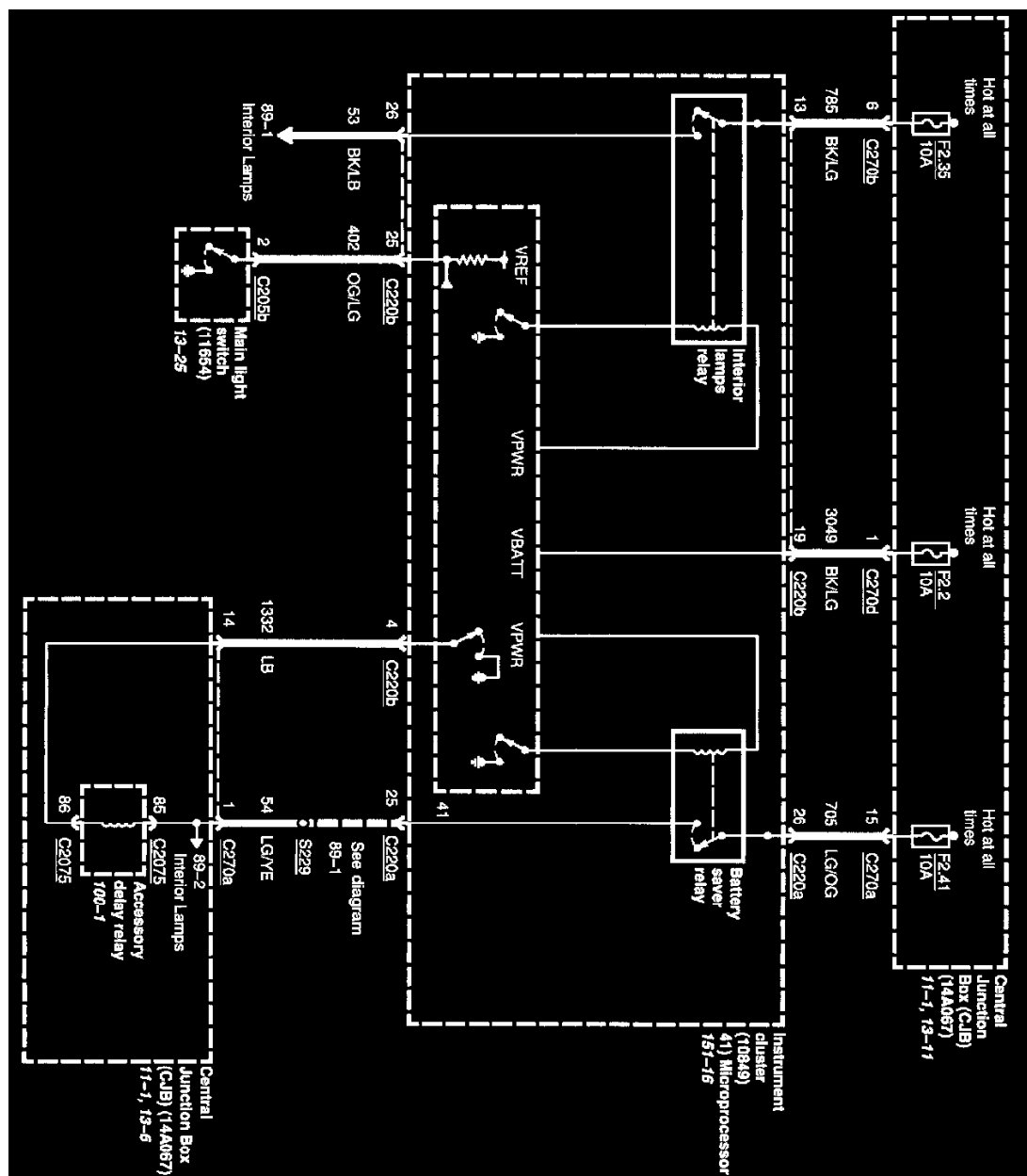












60-6

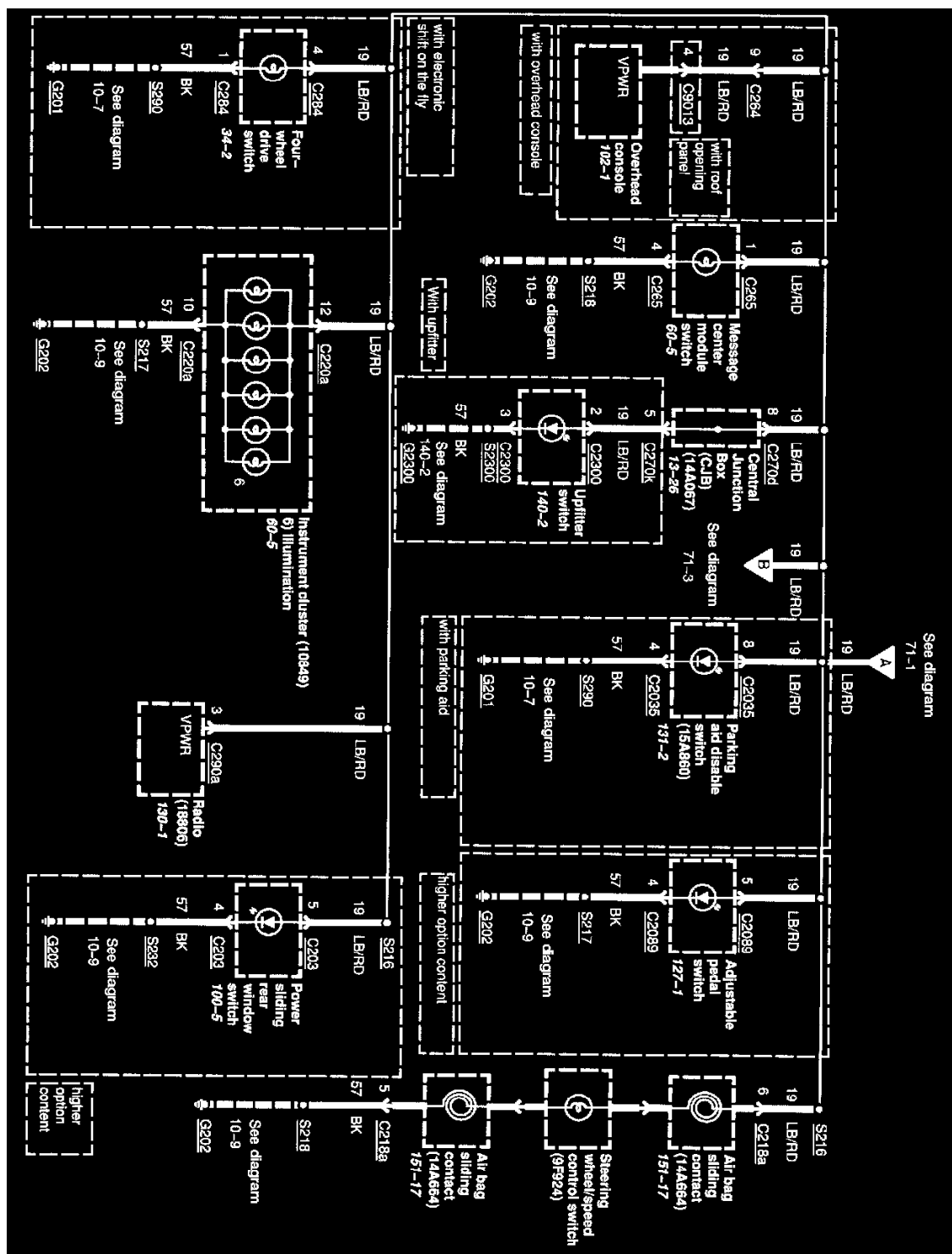
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

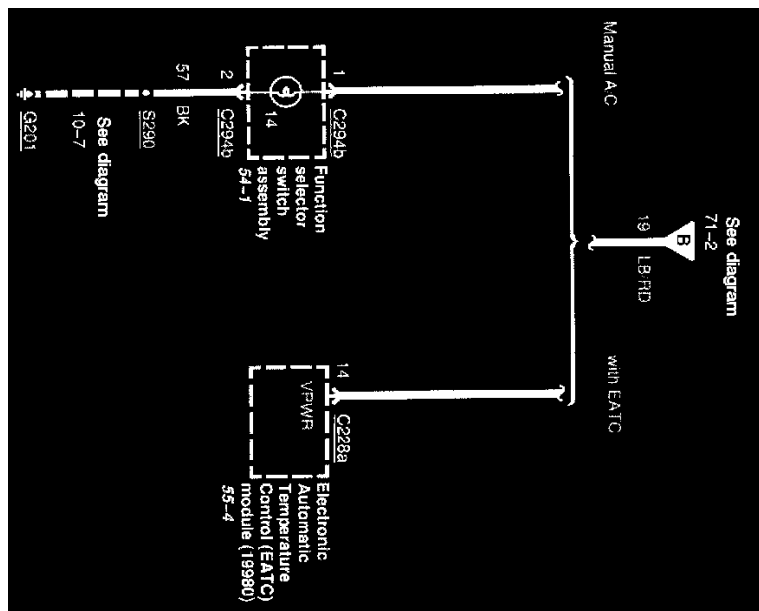
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Instrument Illumination

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.







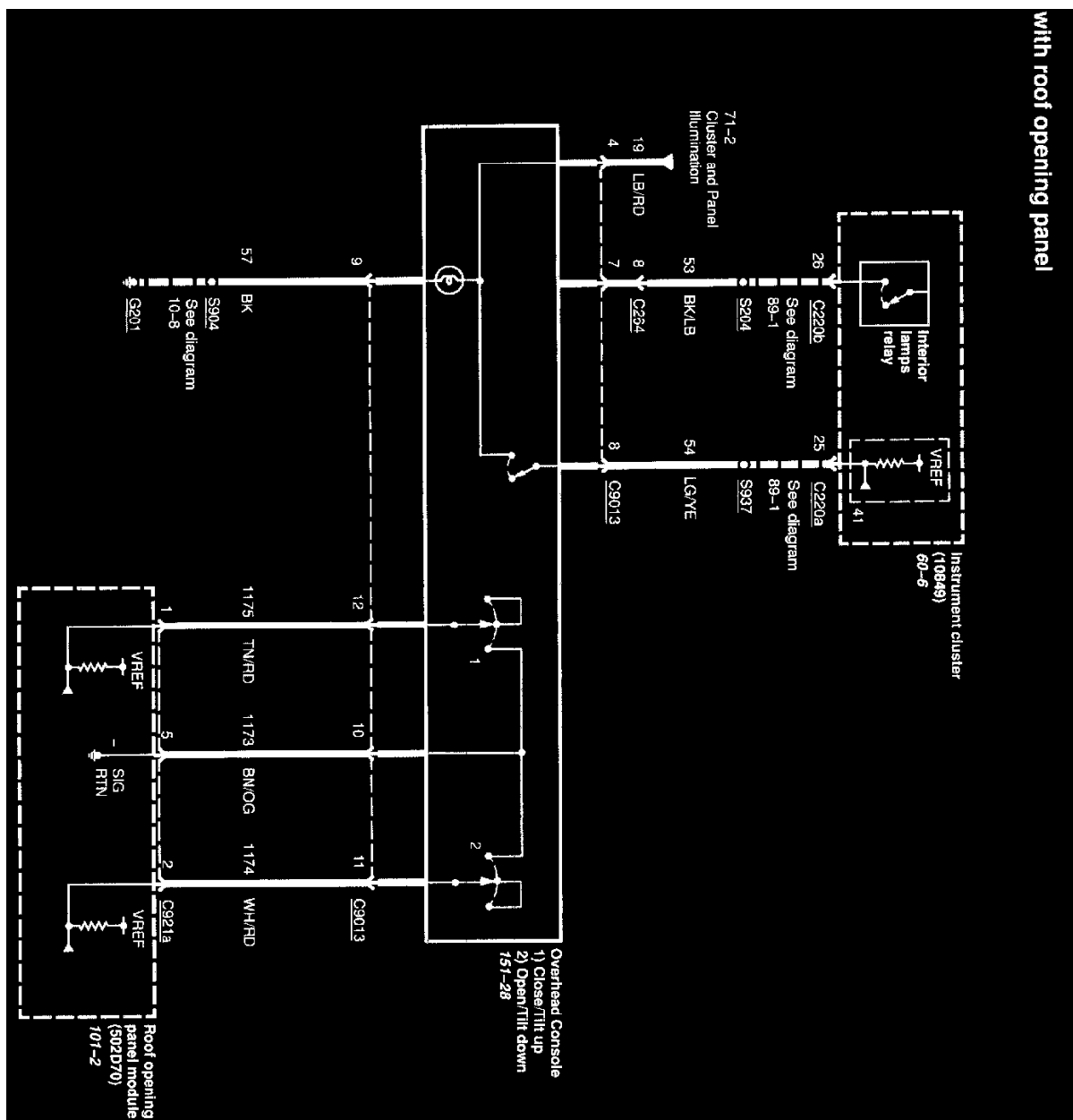
71-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Overhead Console

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



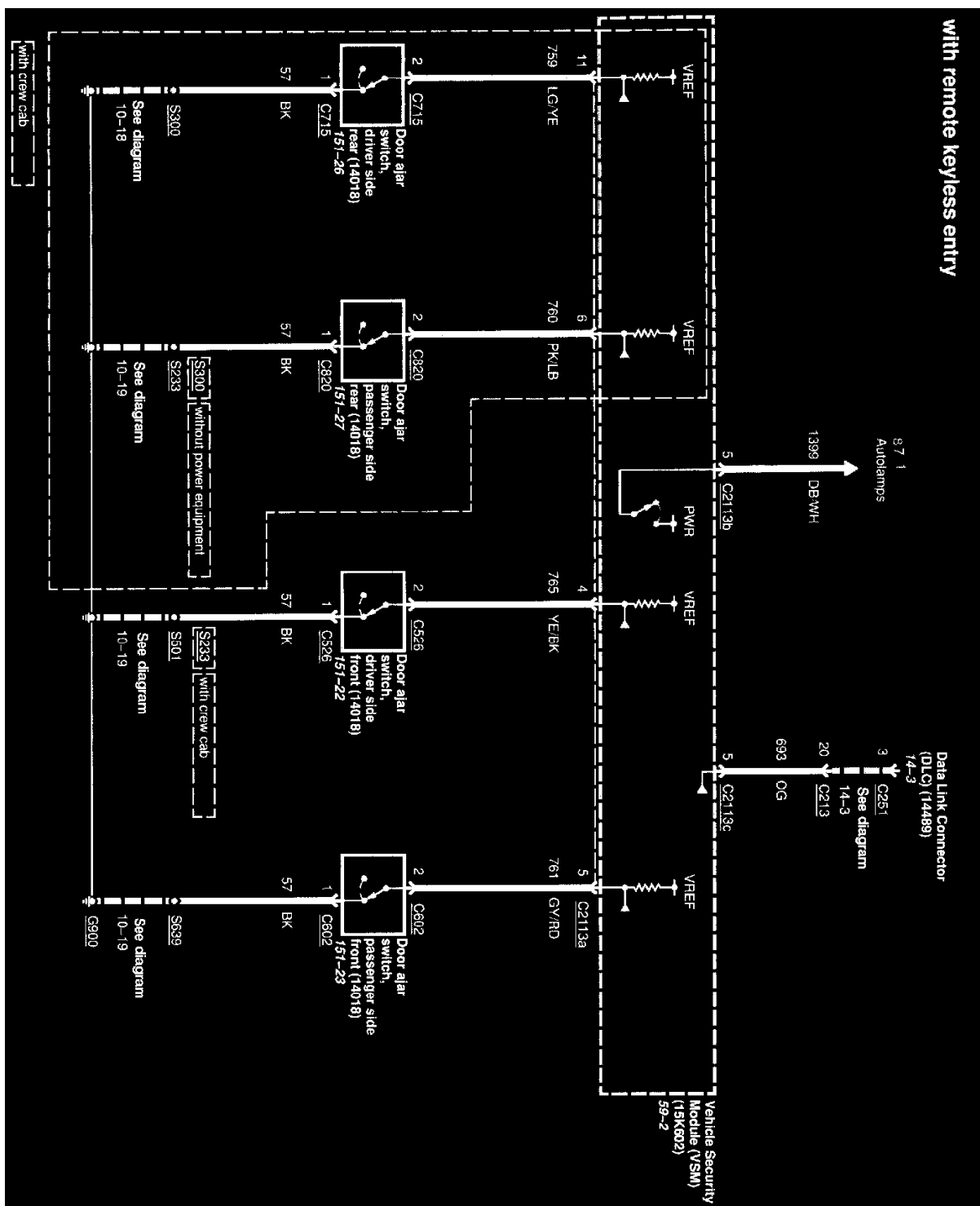
102-1

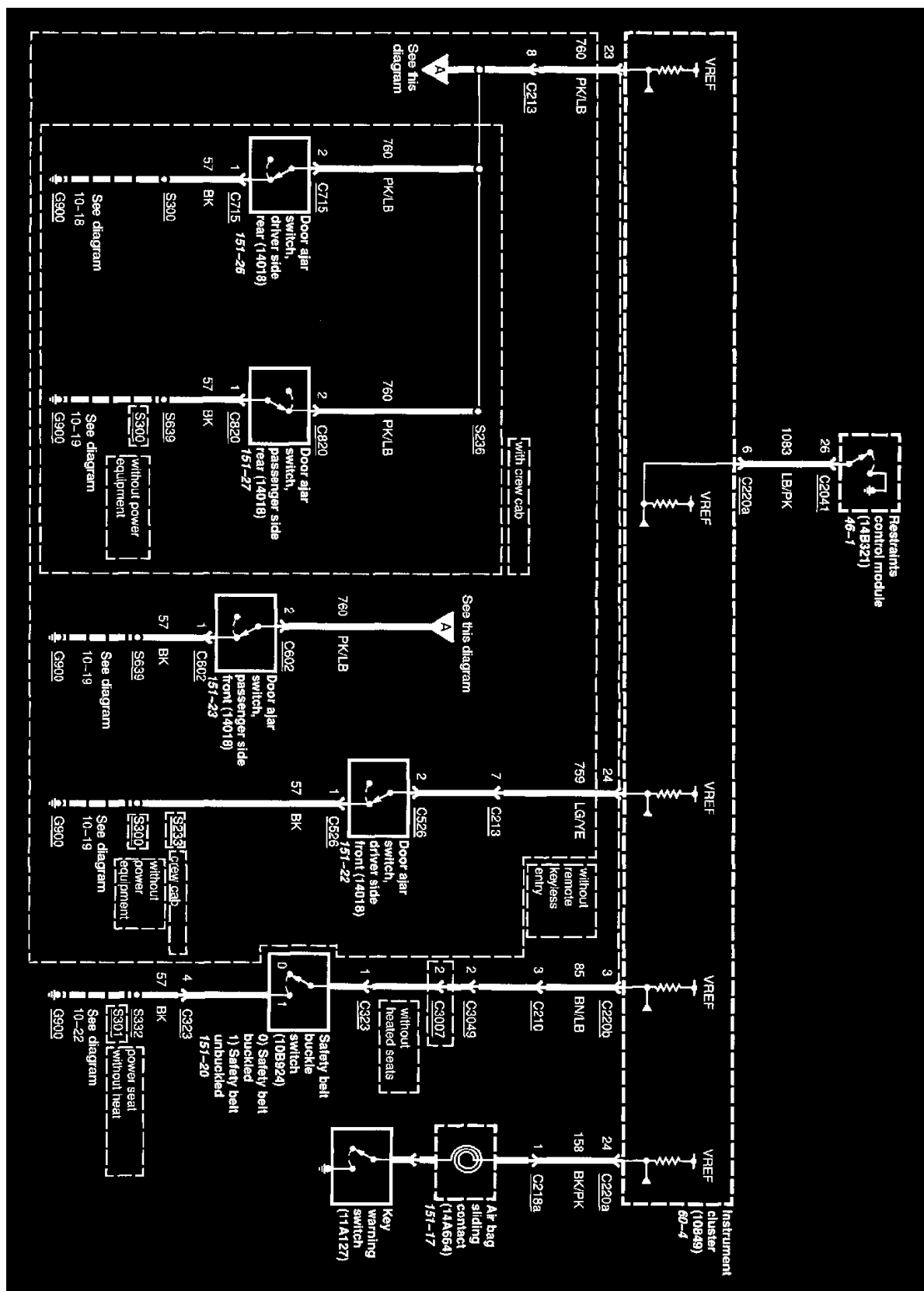
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Warning Devices

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





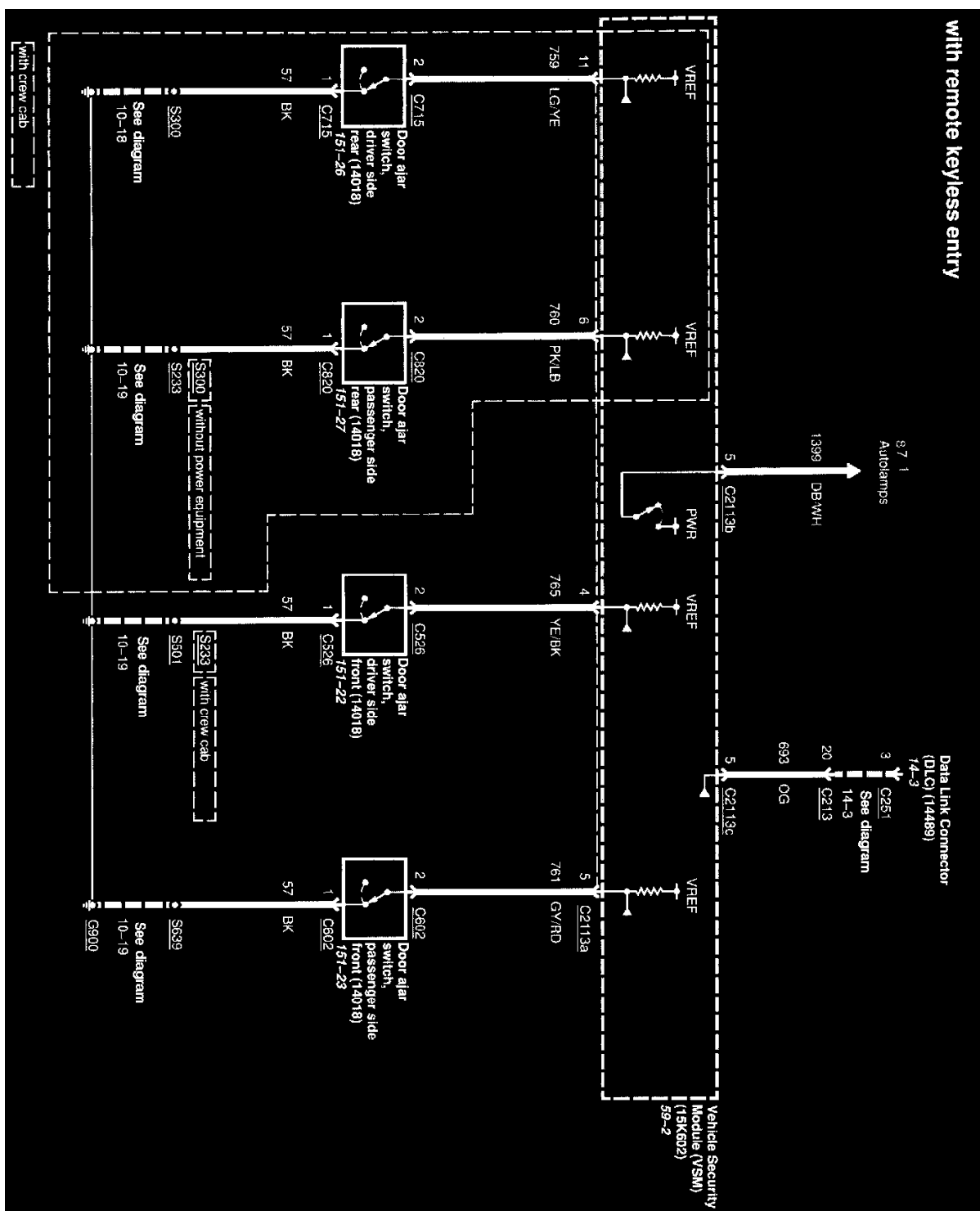
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Audible Warning Device

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

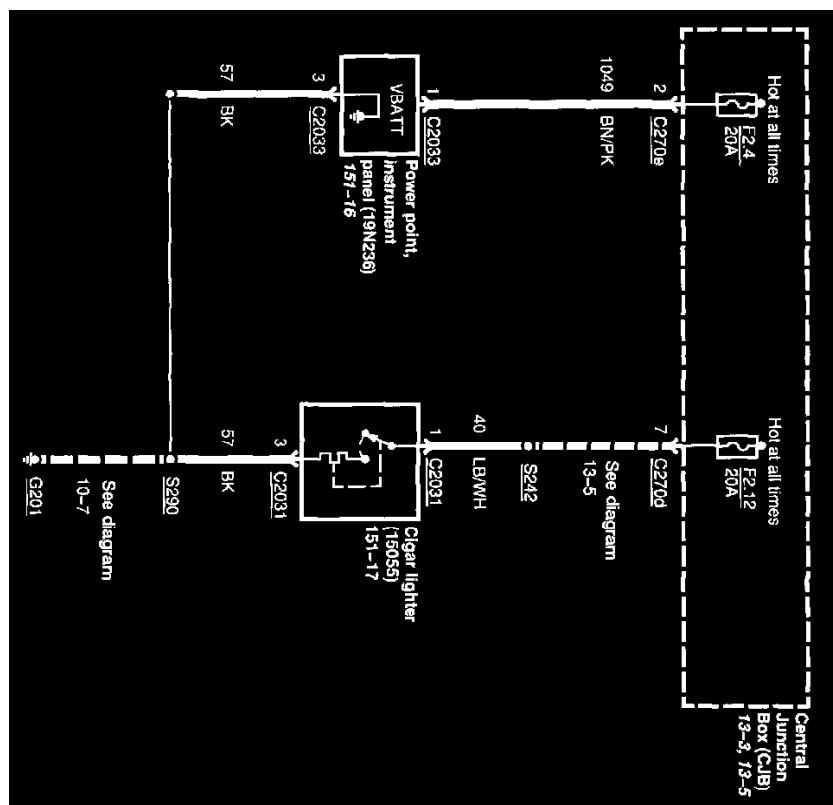
with remote keyless entry





PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

[illegible]



44-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

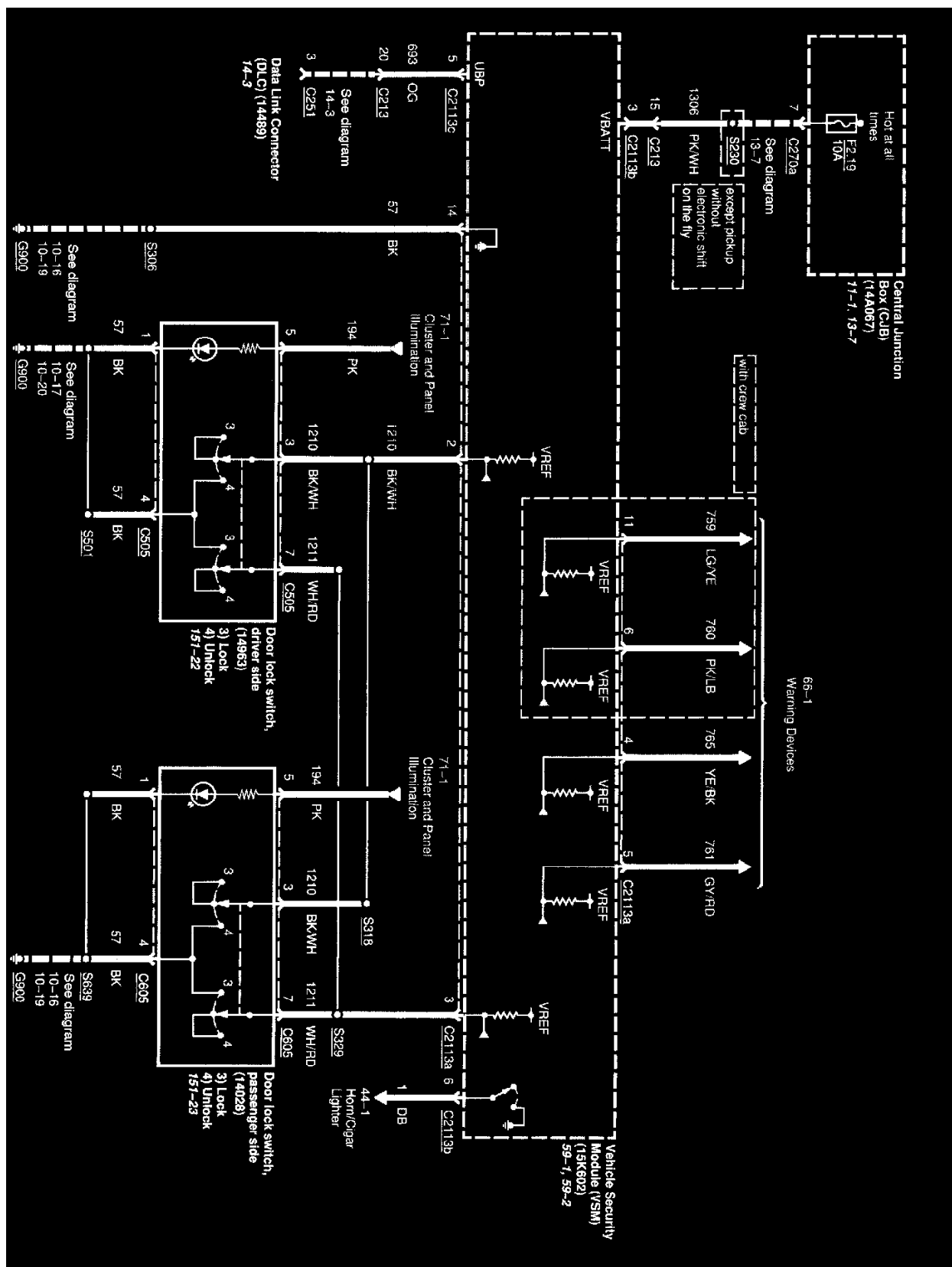
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Driver/Vehicle Information Display

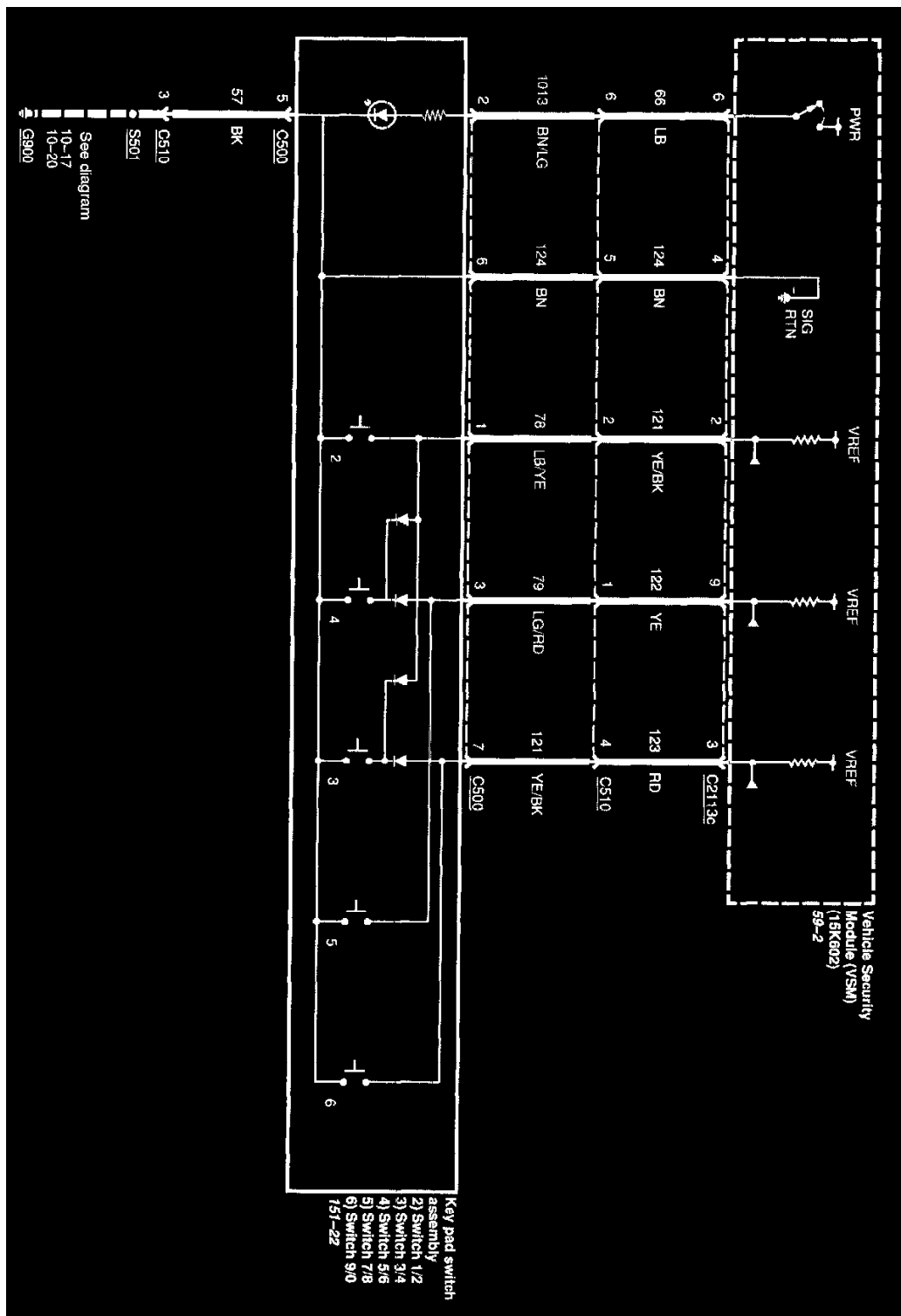
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



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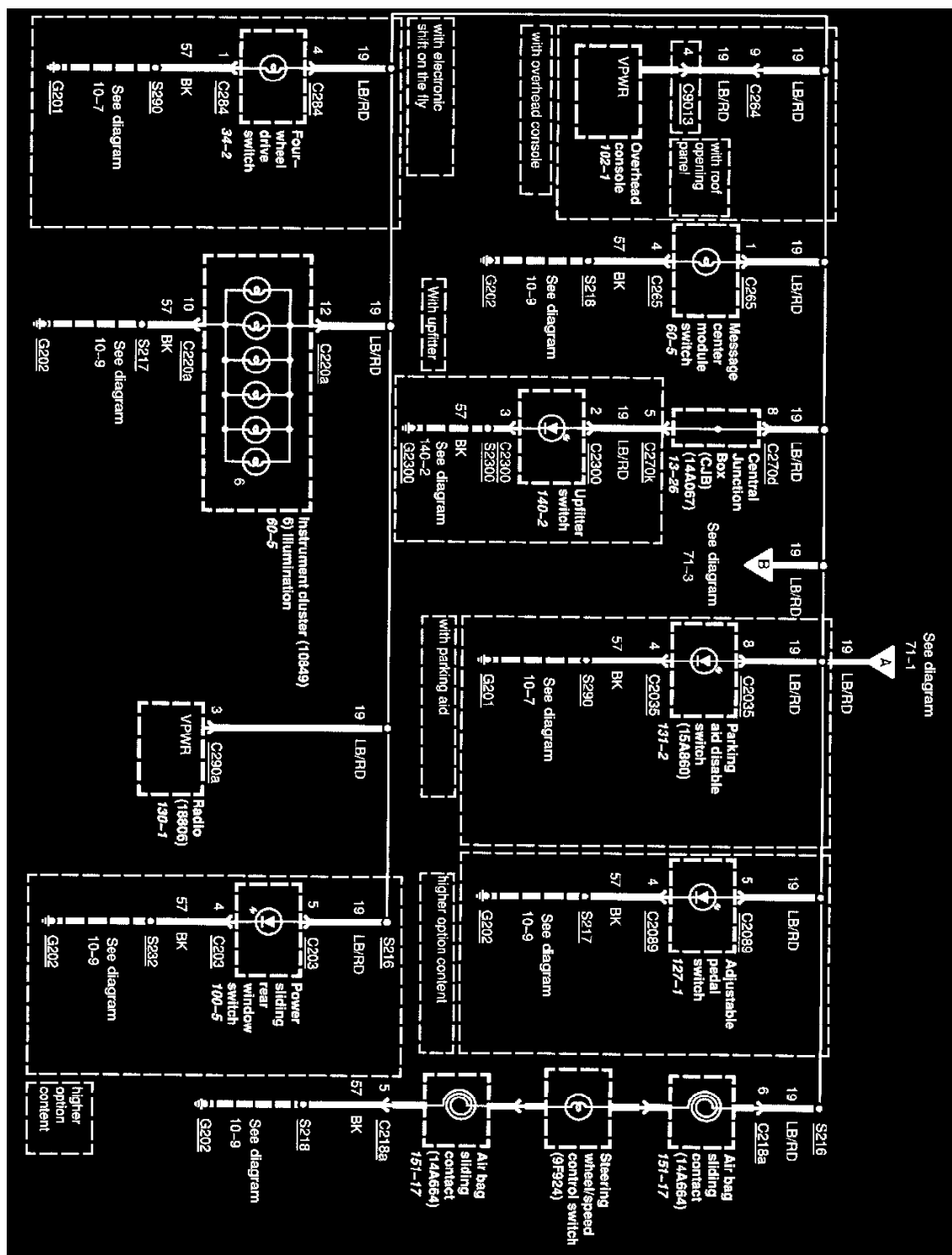
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

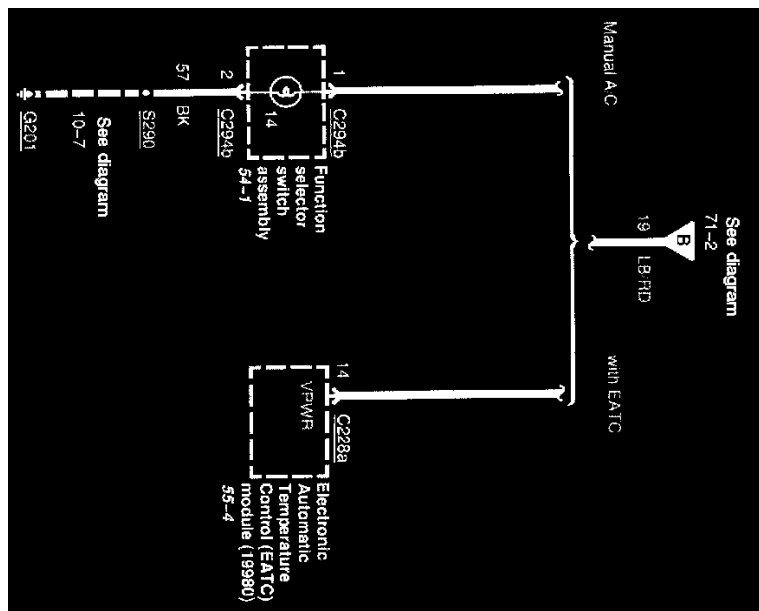
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

System Diagram

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.







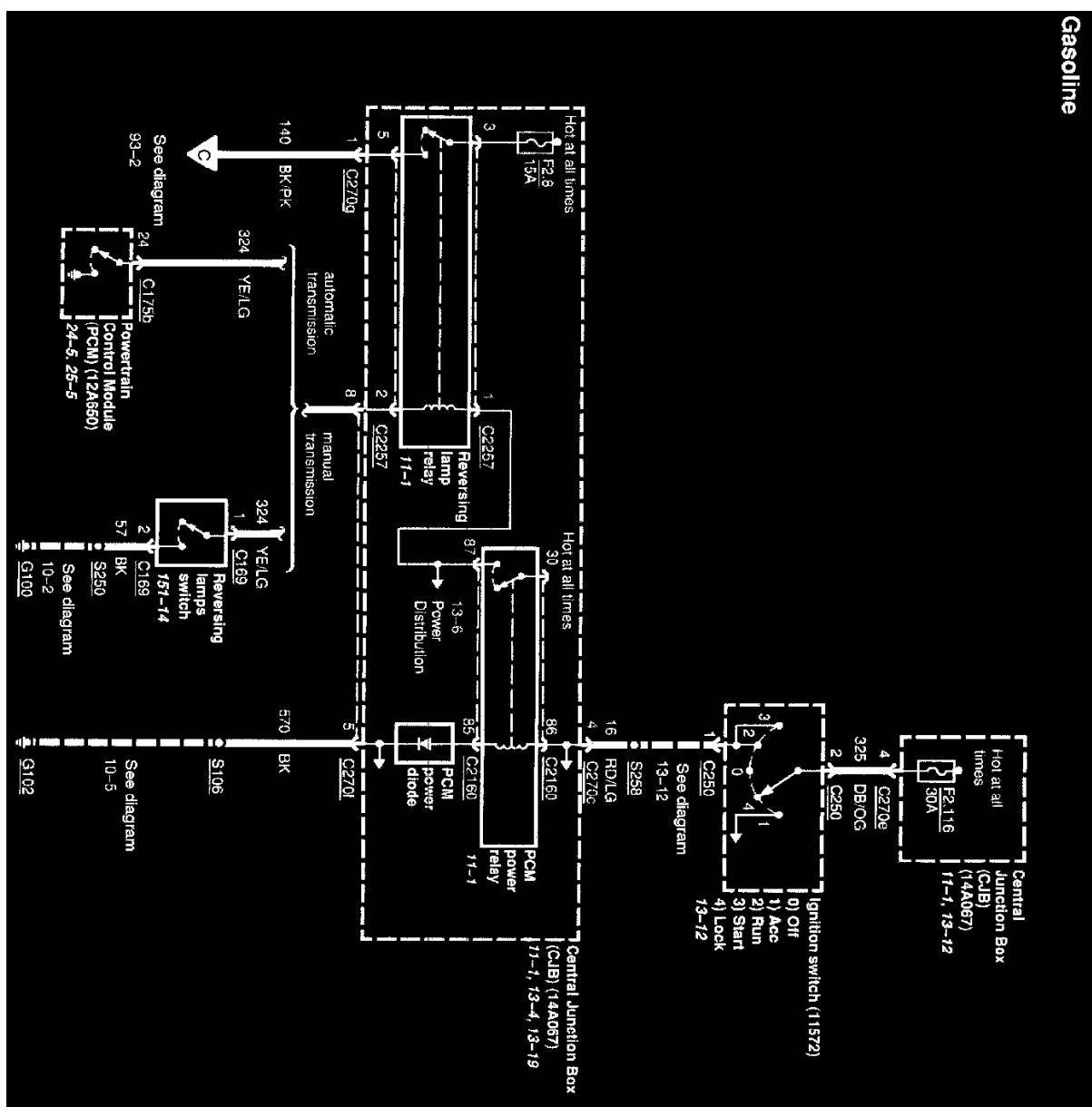
71-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

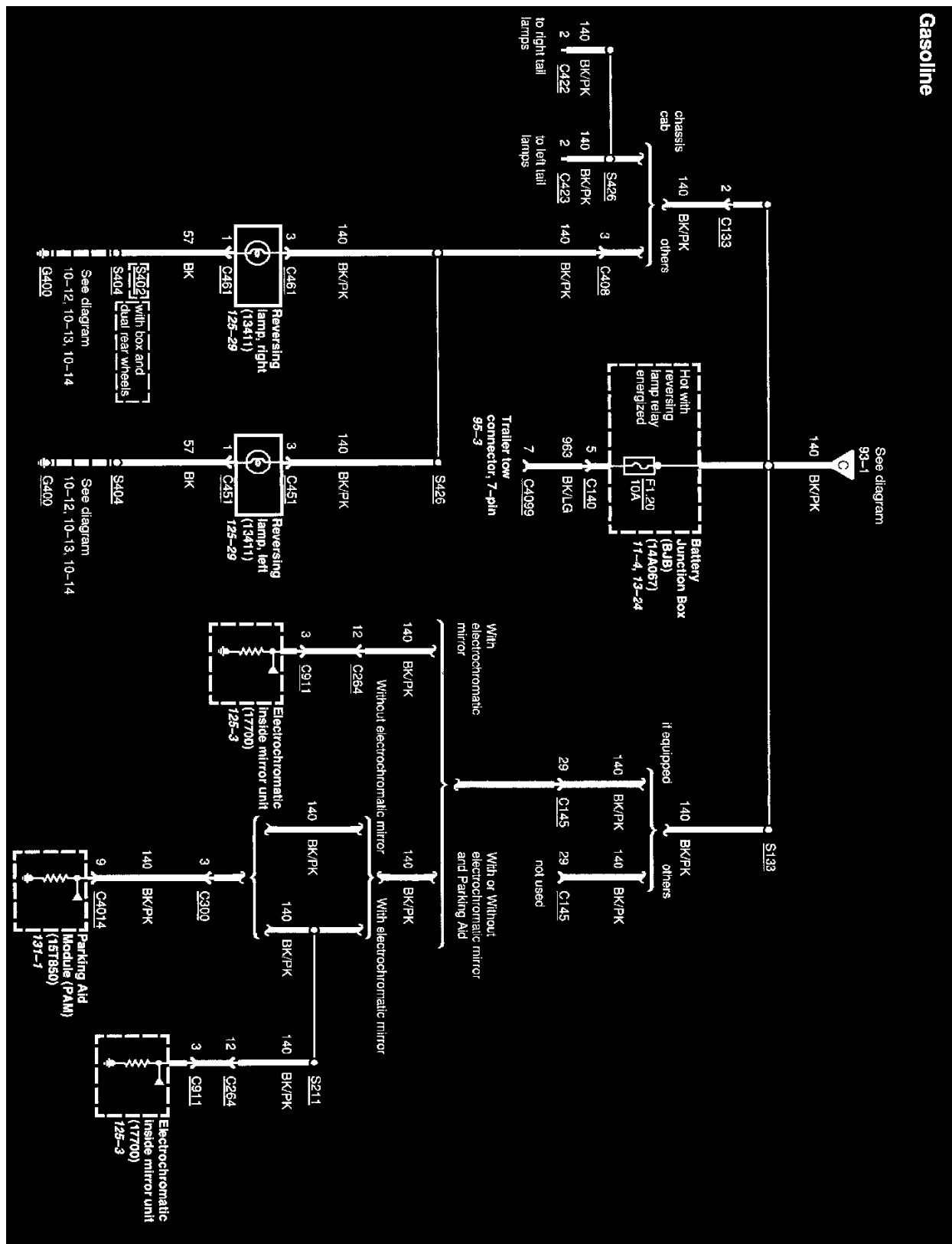
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Backup Lamp

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Gasoline



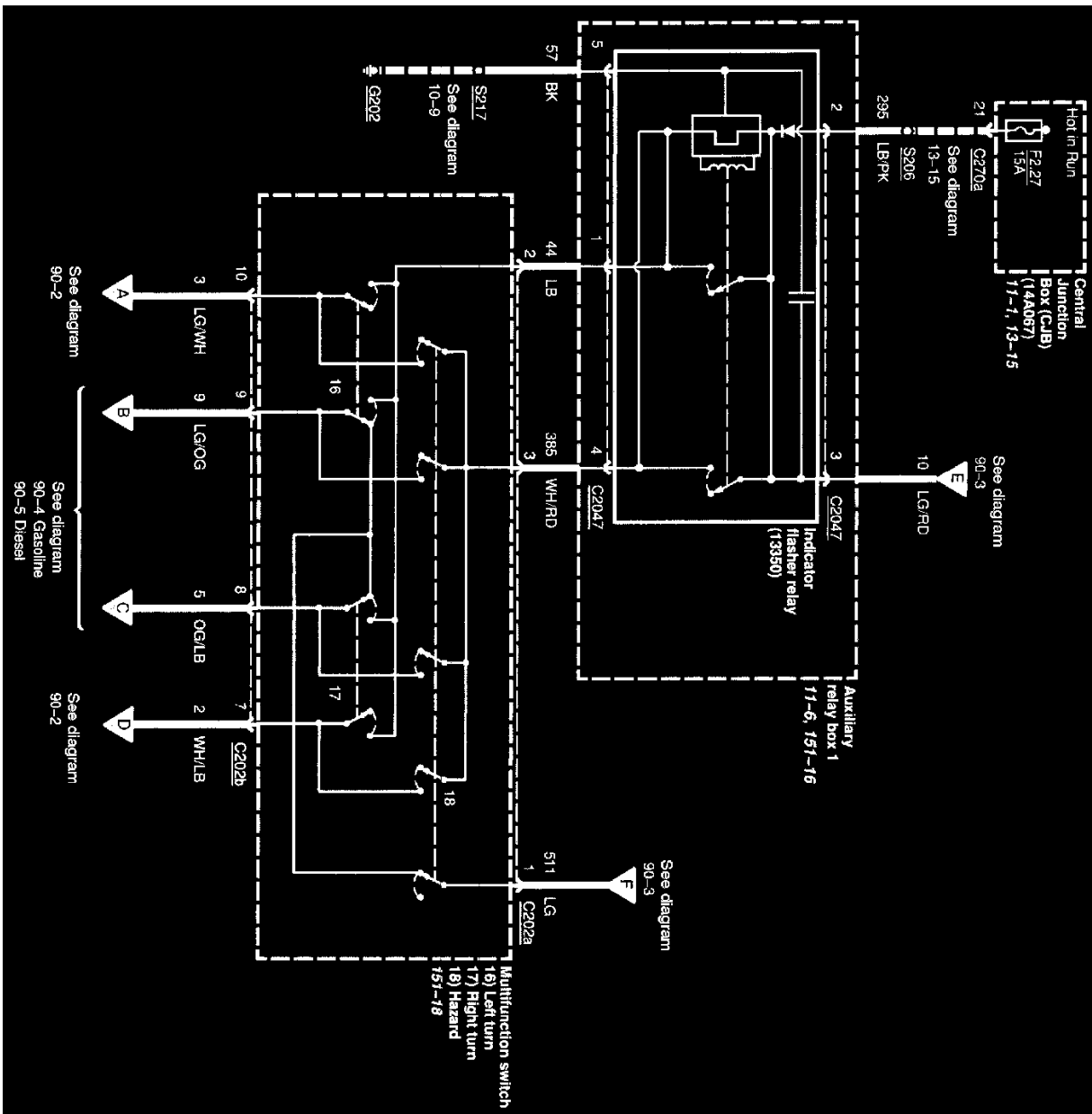
93-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Brake Lamp

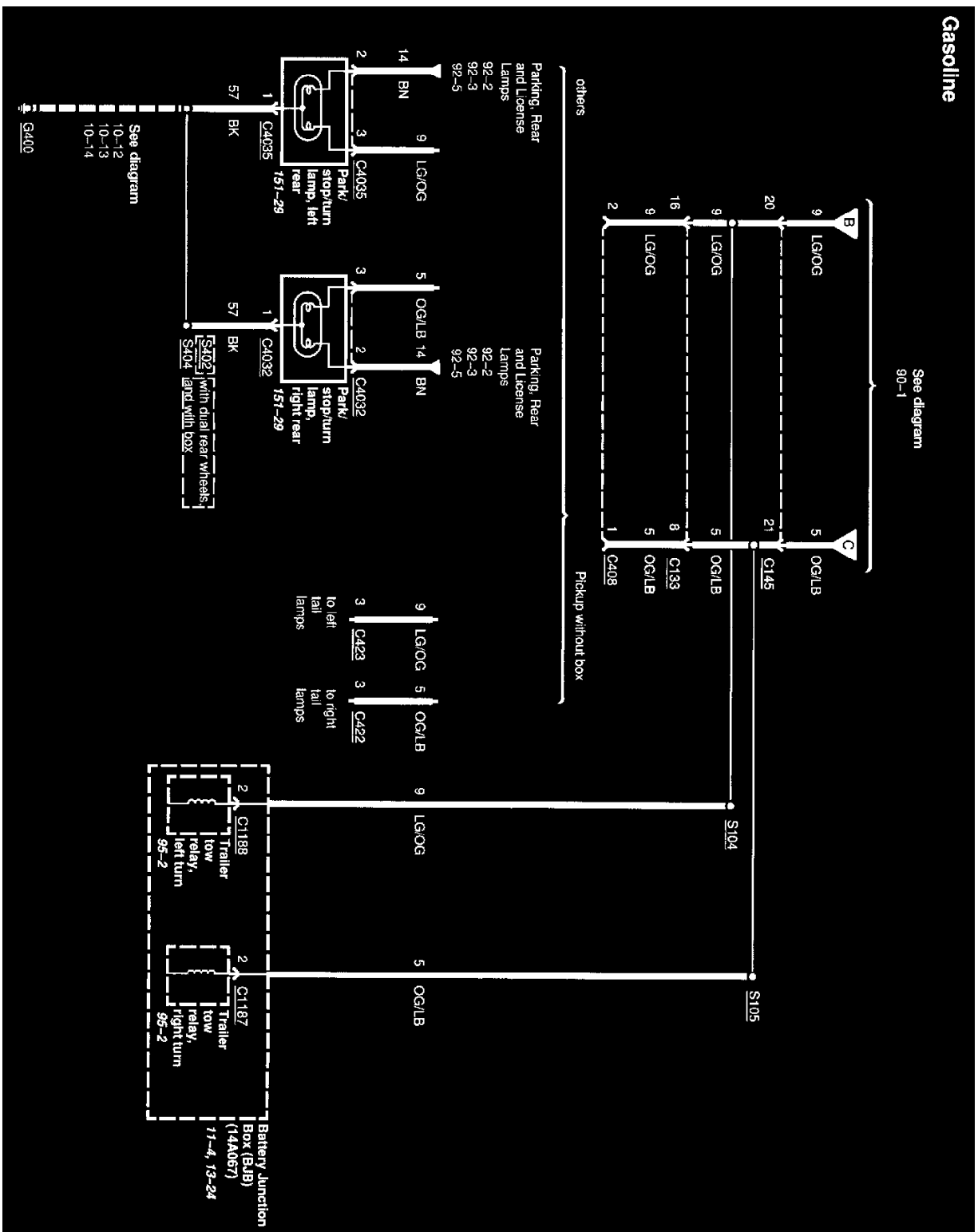
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

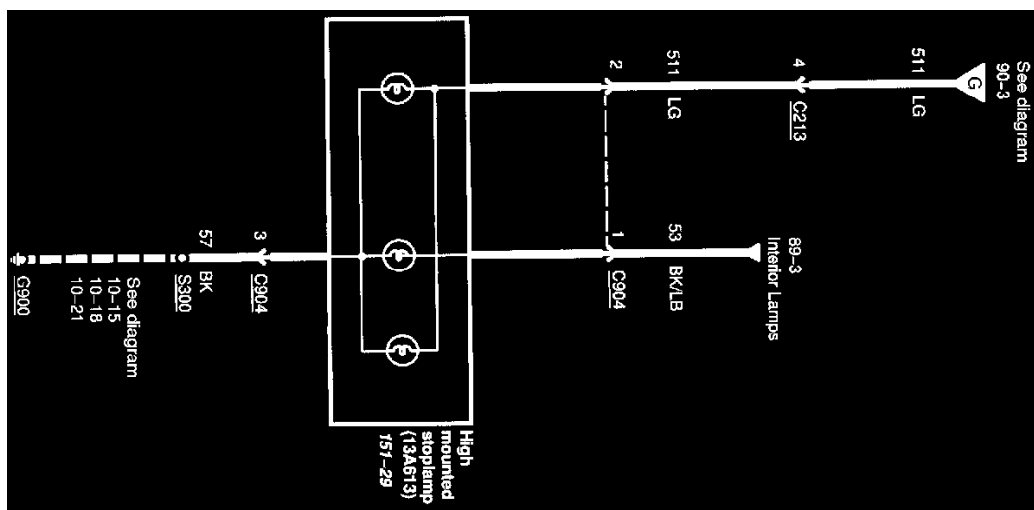






Gasoline





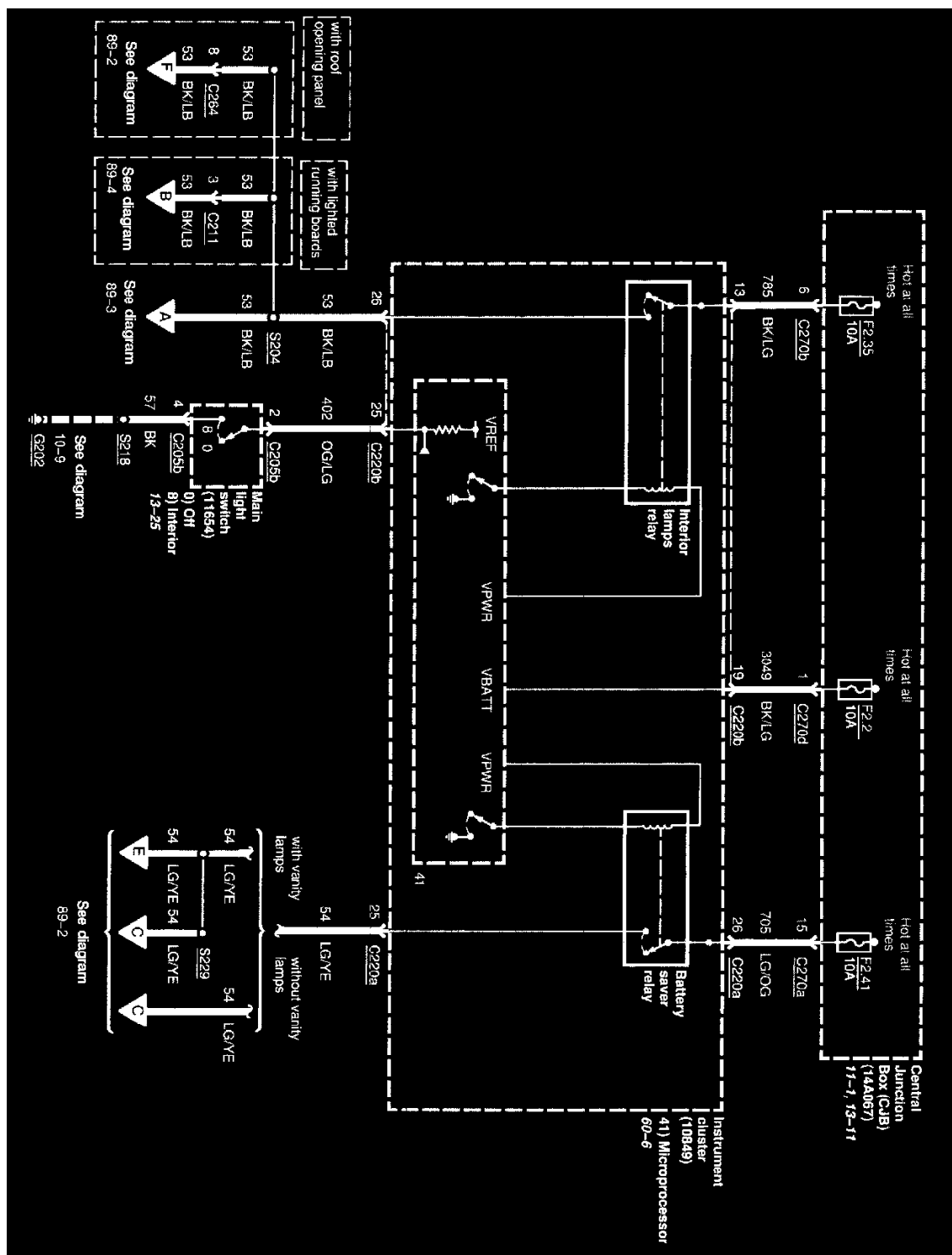
90-6

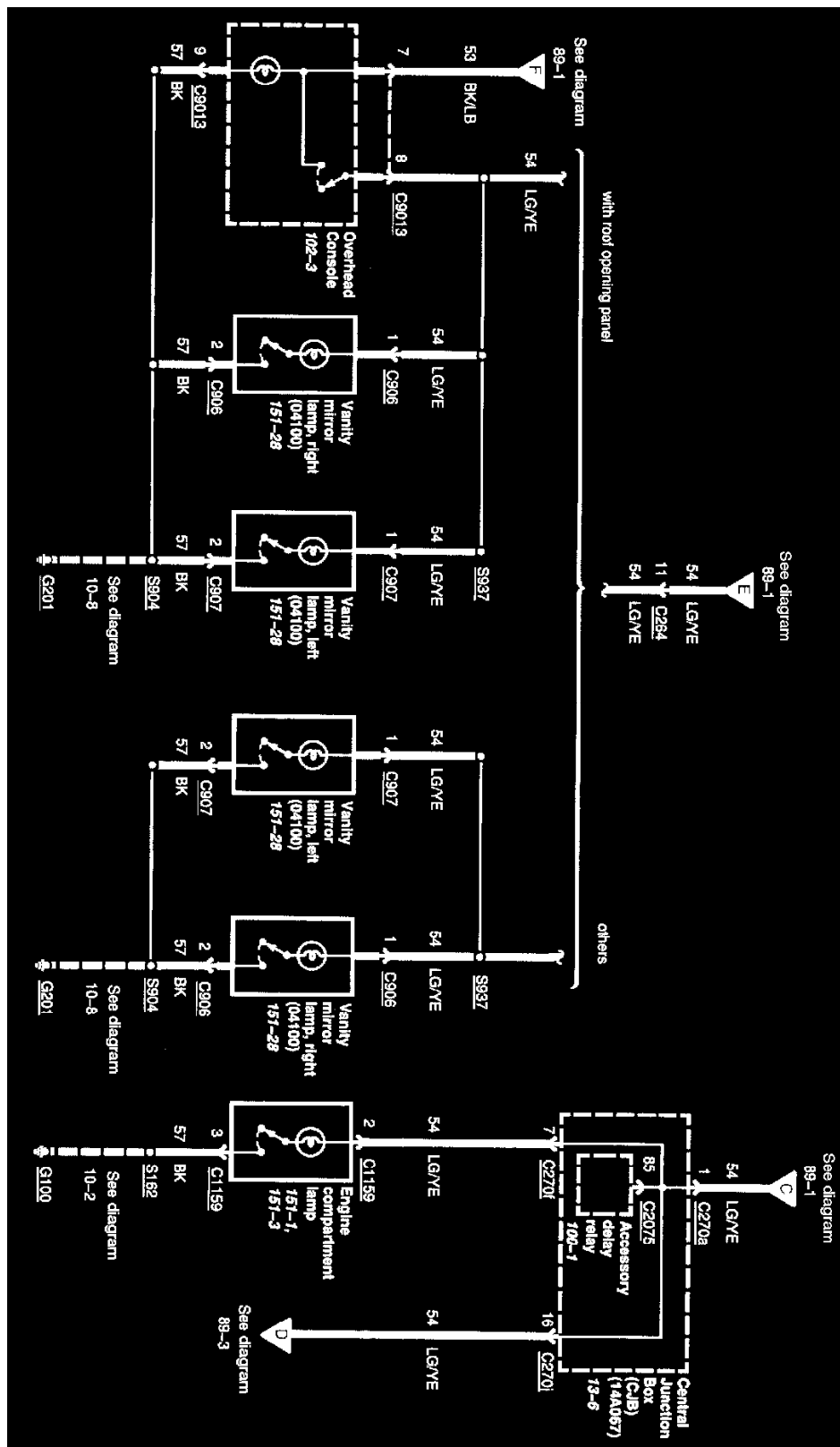
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

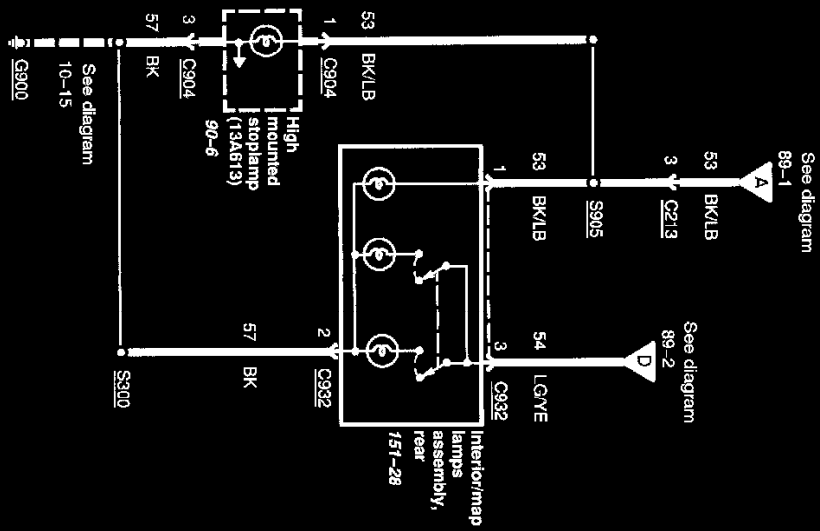
Courtesy Lamp

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

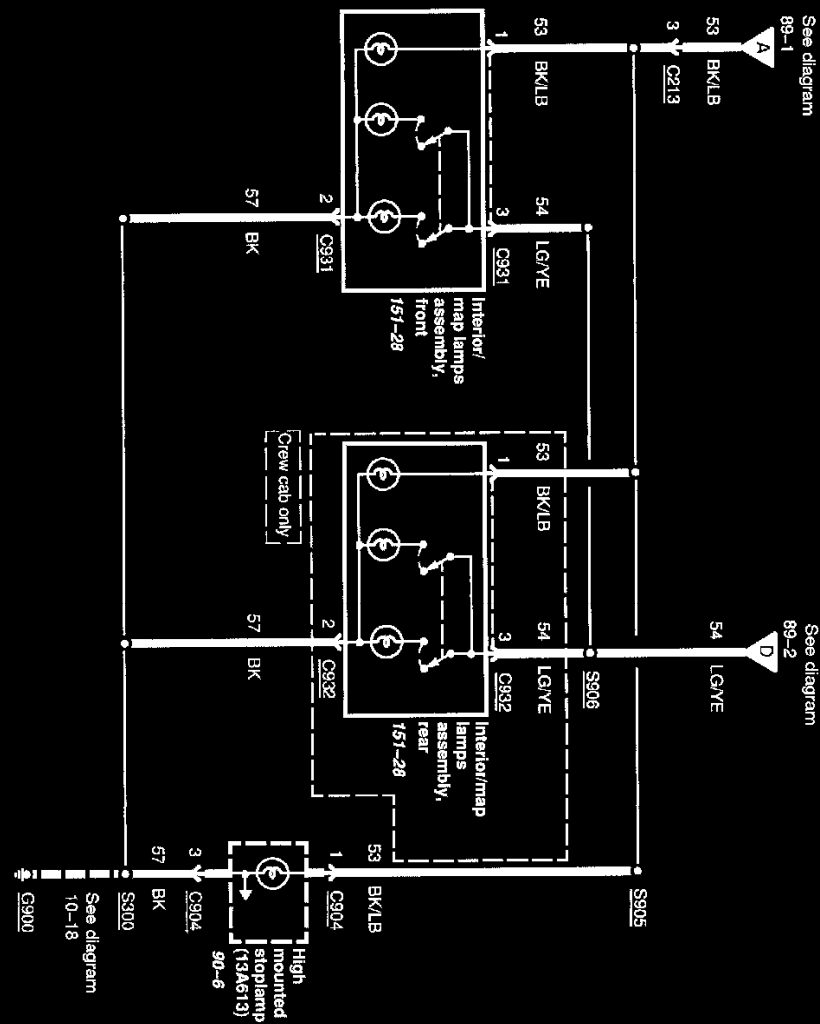


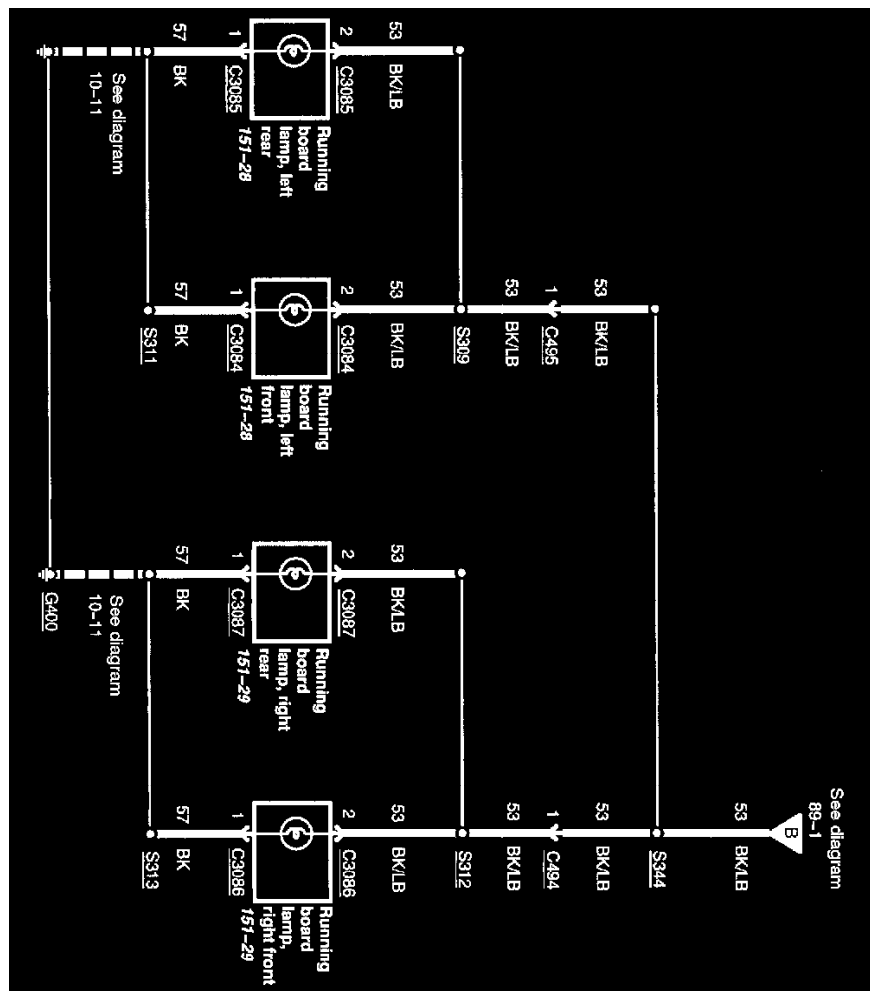


Regular cab



Crew & Super cab





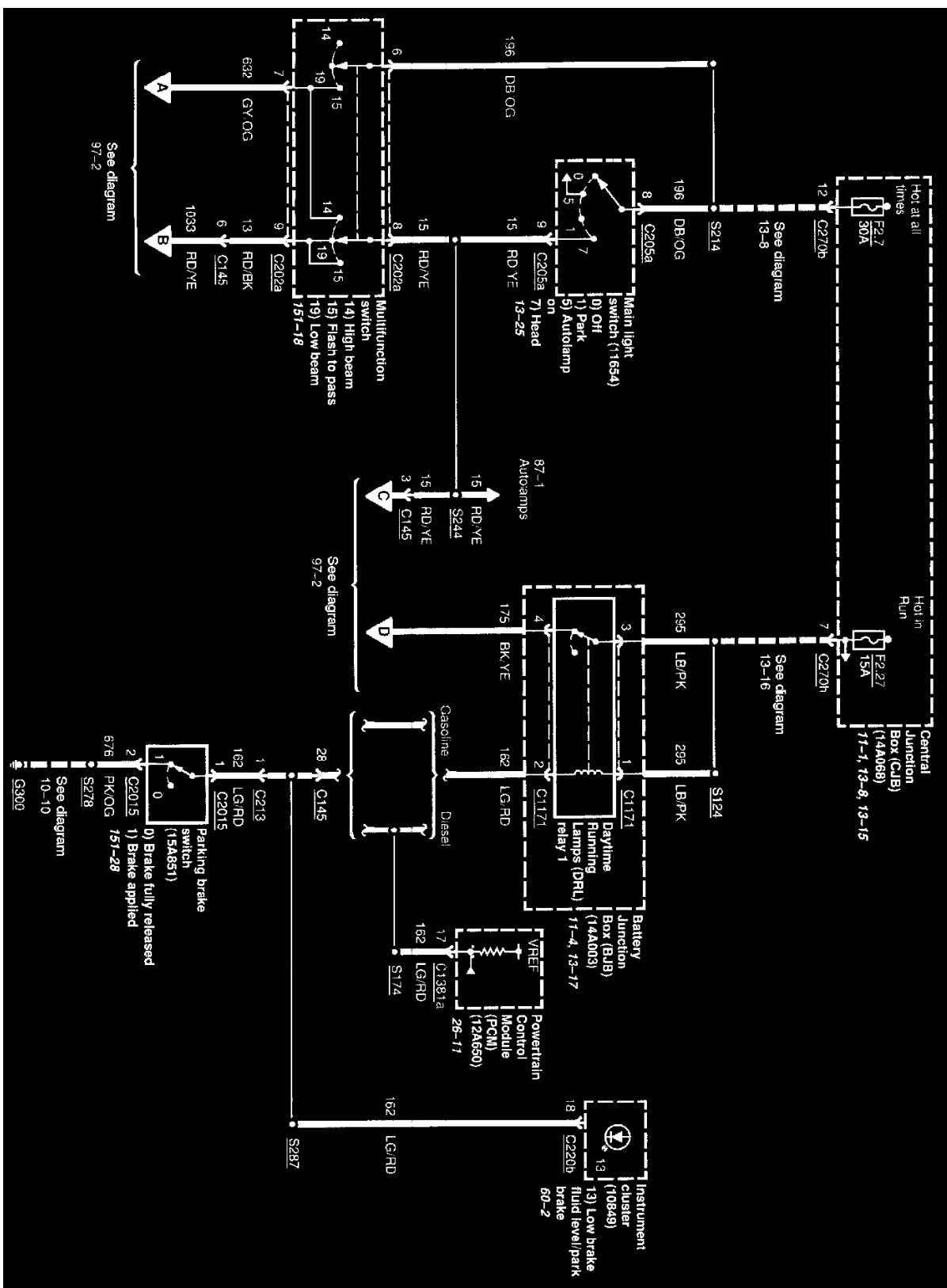
89-4

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Daytime Running Lamp

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





Fog/Driving Lamp

[illegible]

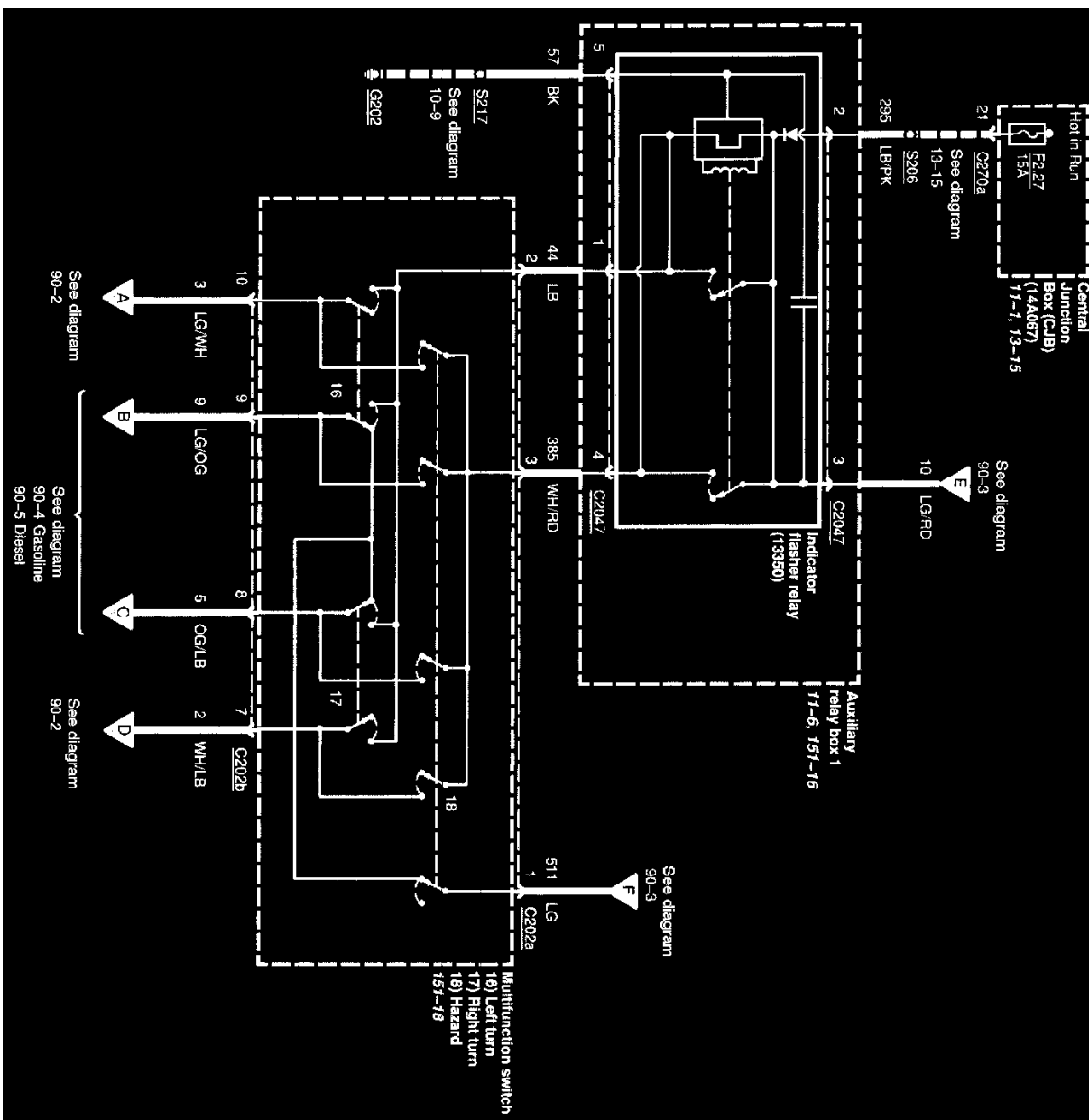
The diagram illustrates the electrical circuit for the fog lamps, controlled by a fog lamp switch. The circuit includes the following components and connections:

- Power Source:** The circuit is powered by a 10A fuse labeled **F2.43**.
- Central Junction Box (CJB) (14A067):** The main distribution point, with terminals **7/1-1, 7/3-19**.
- Fog Lamp Relay:** A relay controlled by the fog lamp switch. It is connected to the CJB and the fog lamps.
- Fog Lamp Switch (151-3):** The control switch, connected to the relay and the fog lamps.
- Fog Lamps:** Two lamps, labeled **Fog lamp, left front (15200)** and **Fog lamp, right front (15200)**, both with part number **151-3**.
- Instrument Cluster (10849):** The switch is also connected to the instrument cluster, specifically to the **9/ High beam 60-5** terminal.
- Wiring Details:**
 - The switch is connected to the instrument cluster via a dashed line labeled **C220a**.
 - The switch is connected to the fog lamps via a solid line labeled **C152**.
 - The fog lamps are connected to the CJB via a solid line labeled **C162**.
 - The CJB is connected to the fog lamp relay via a solid line labeled **C270h**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270g**.
 - The fog lamp relay is connected to the CJB via a solid line labeled **C270i**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270j**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270k**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270l**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270m**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270n**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270o**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270p**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270q**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270r**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270s**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270t**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270u**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270v**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270w**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270x**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270y**.
 - The fog lamp relay is connected to the fog lamps via a solid line labeled **C270z**.

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

Hazard Warning Lamps

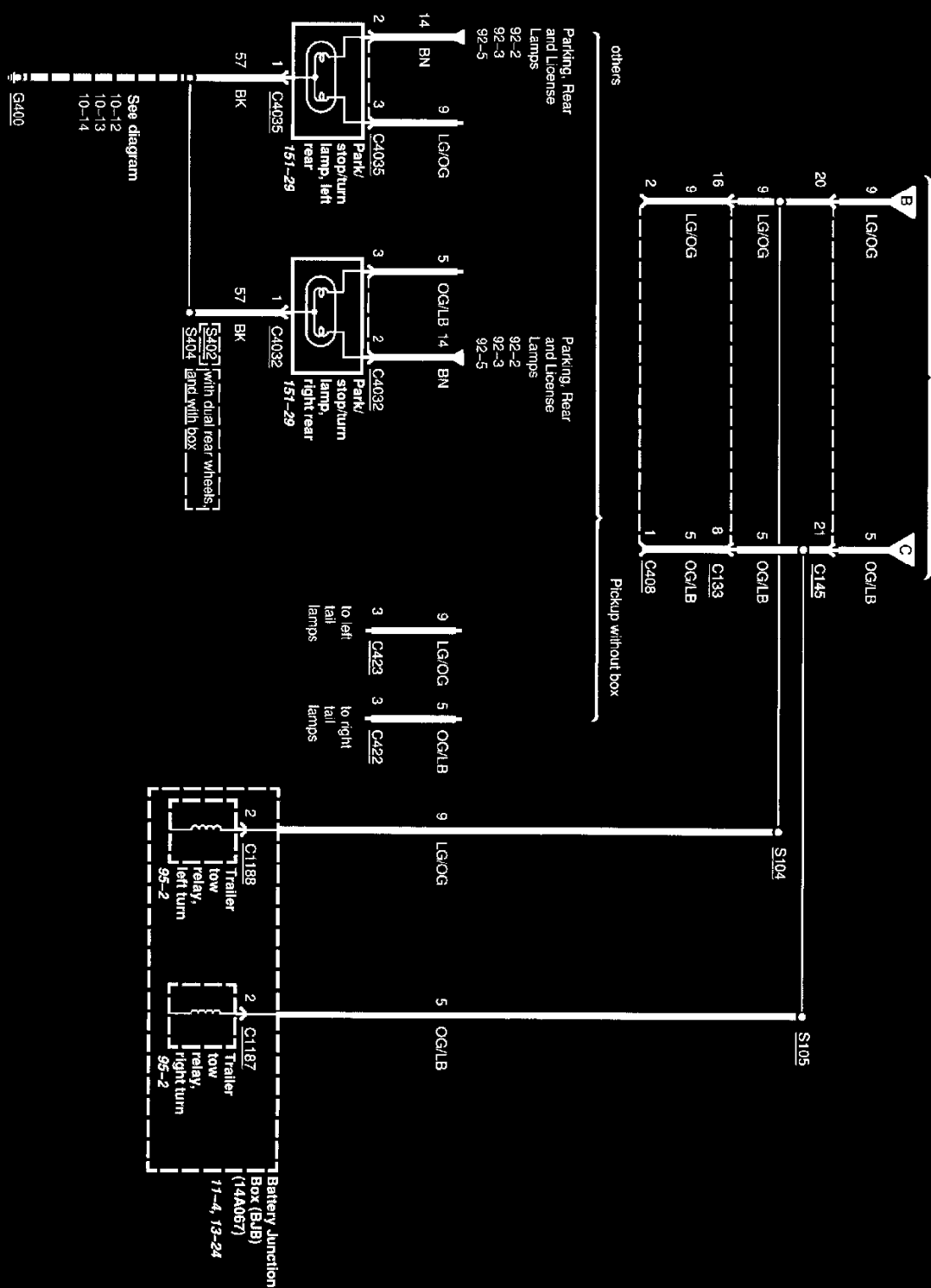
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

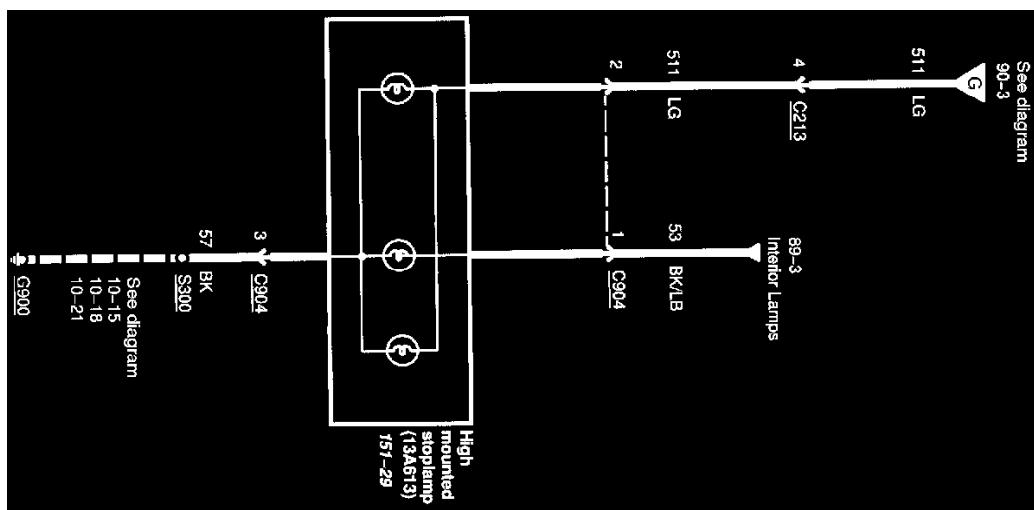






**See diagram
90-1**





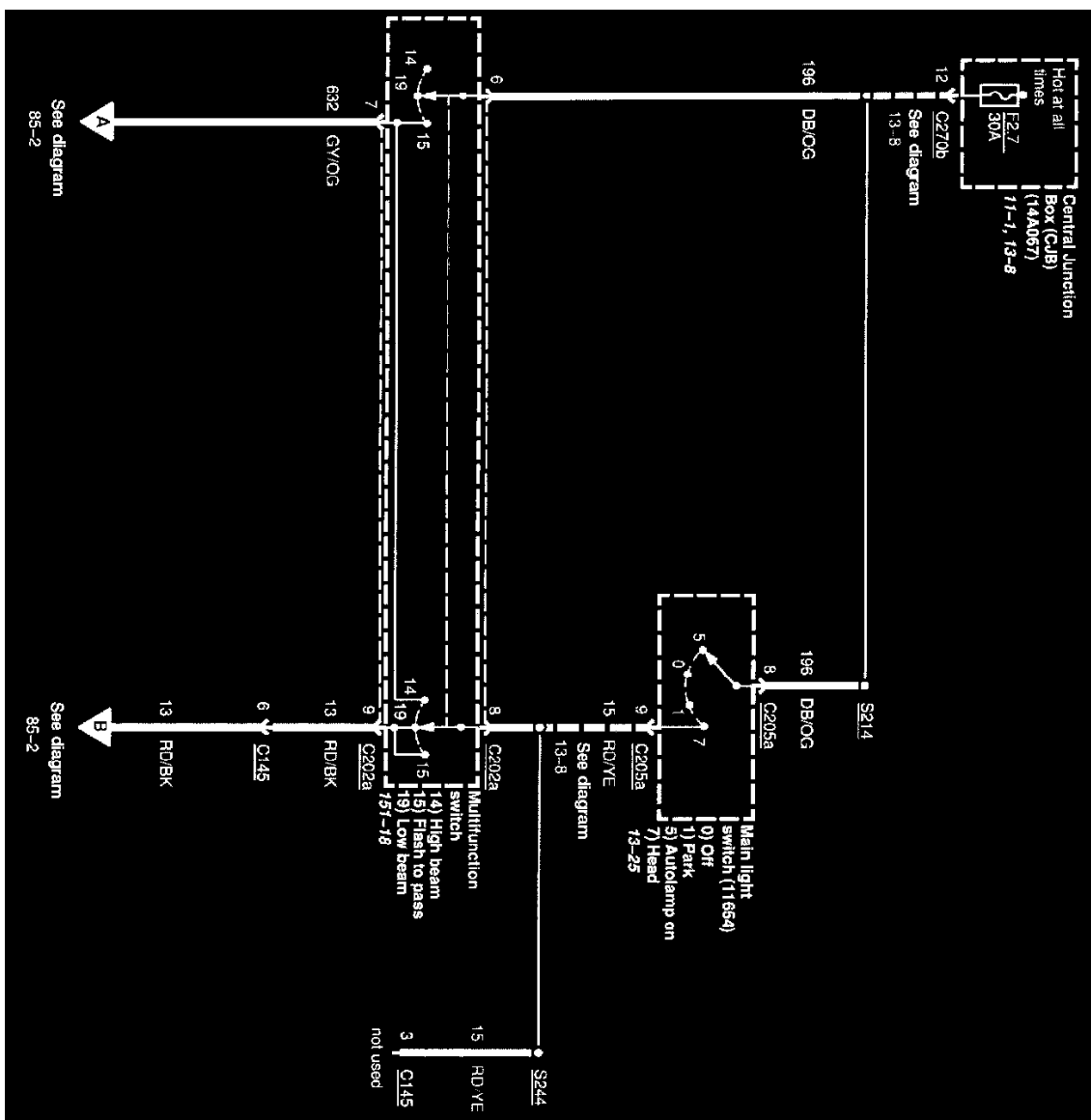
90-6

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

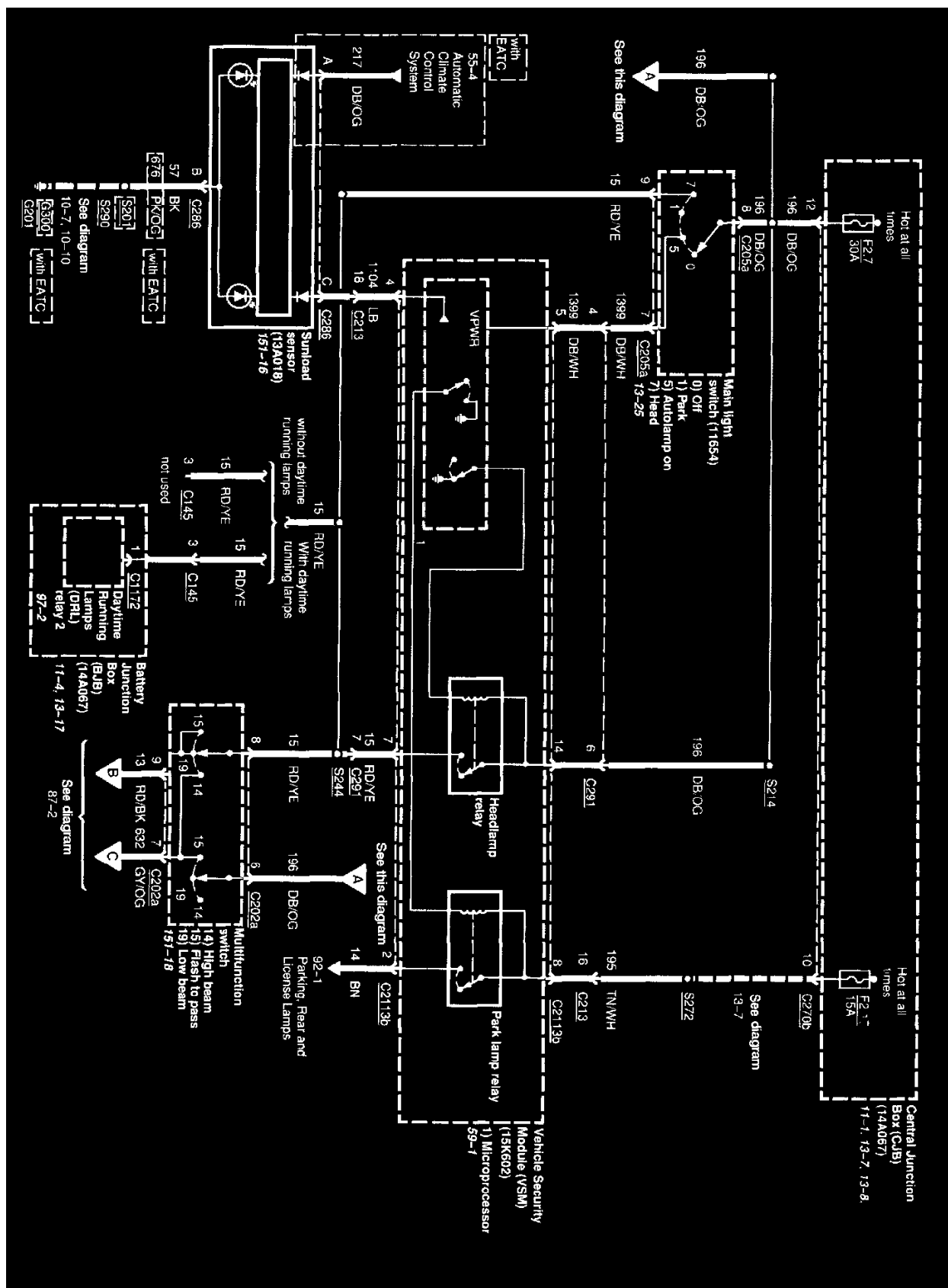
Headlamps

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



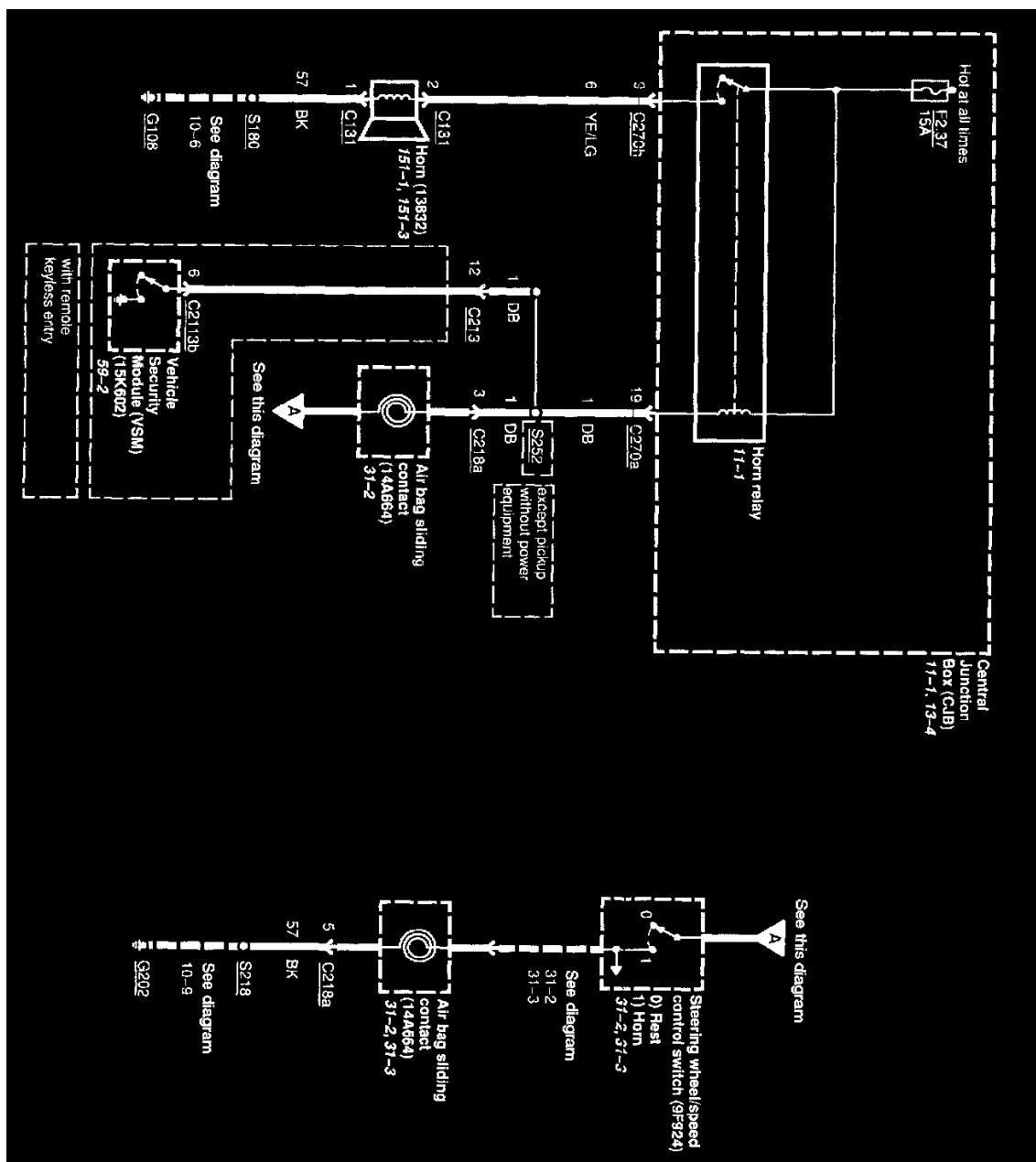


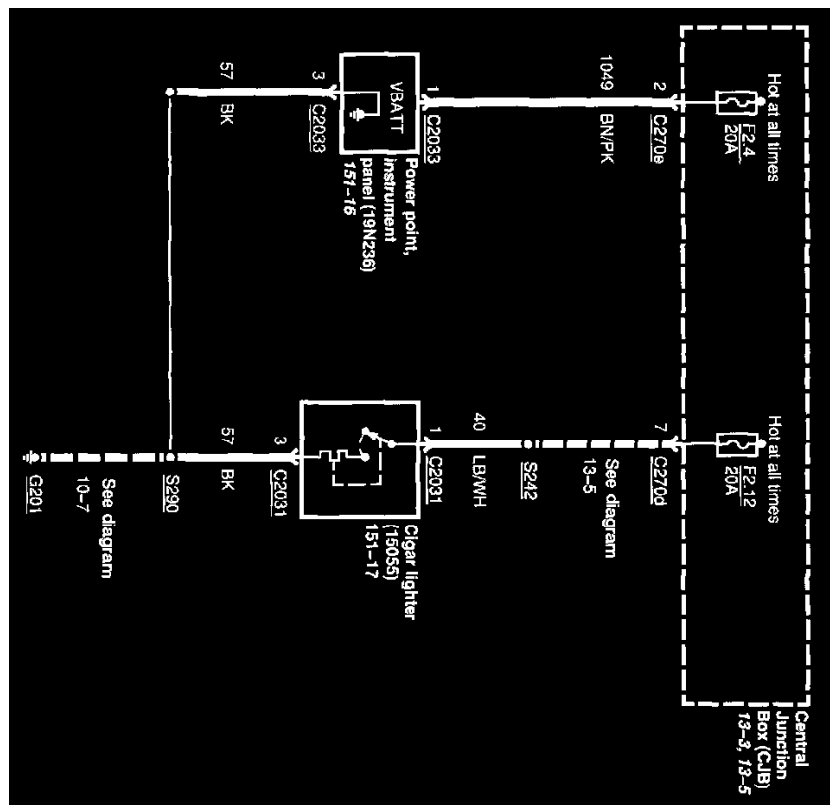
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





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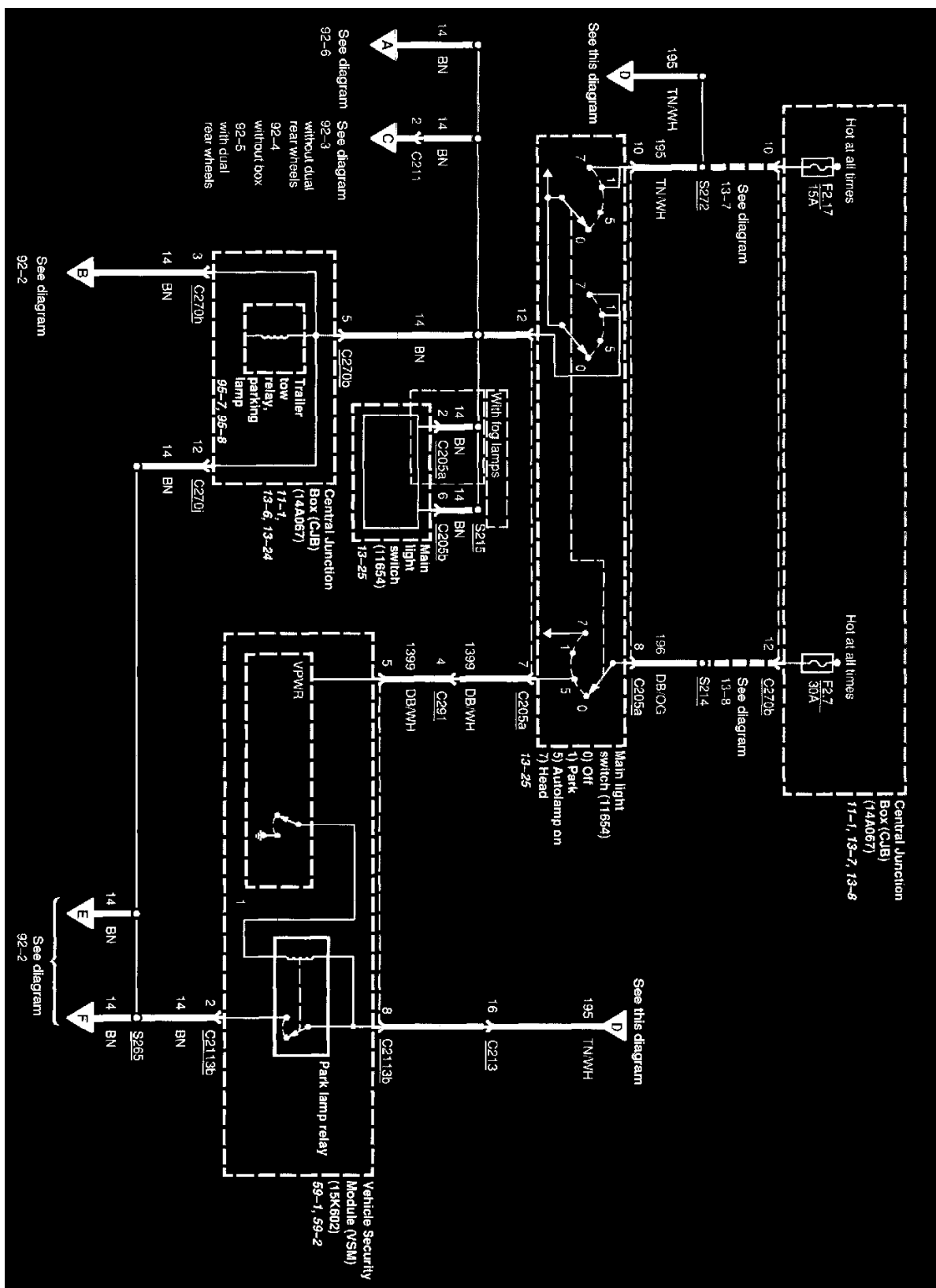
44-2

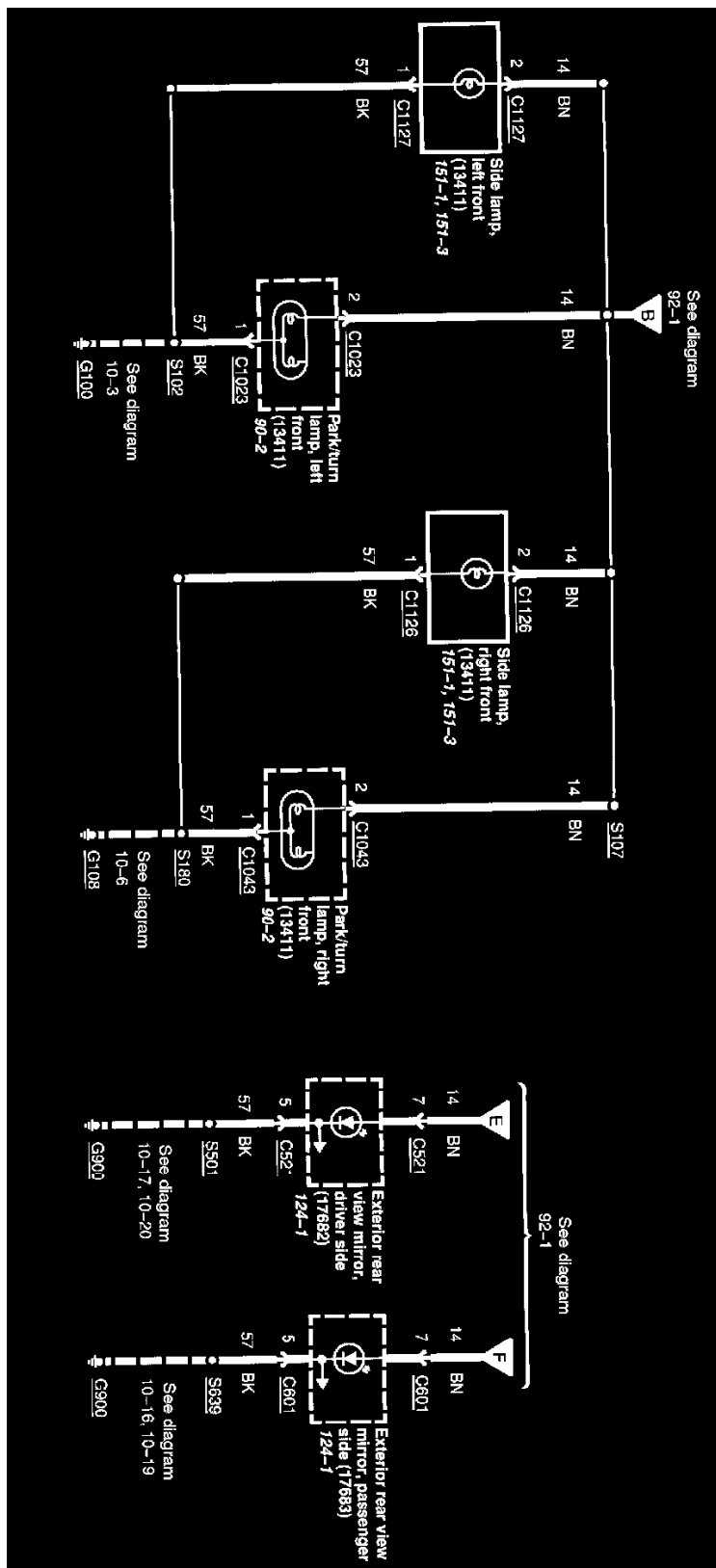
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

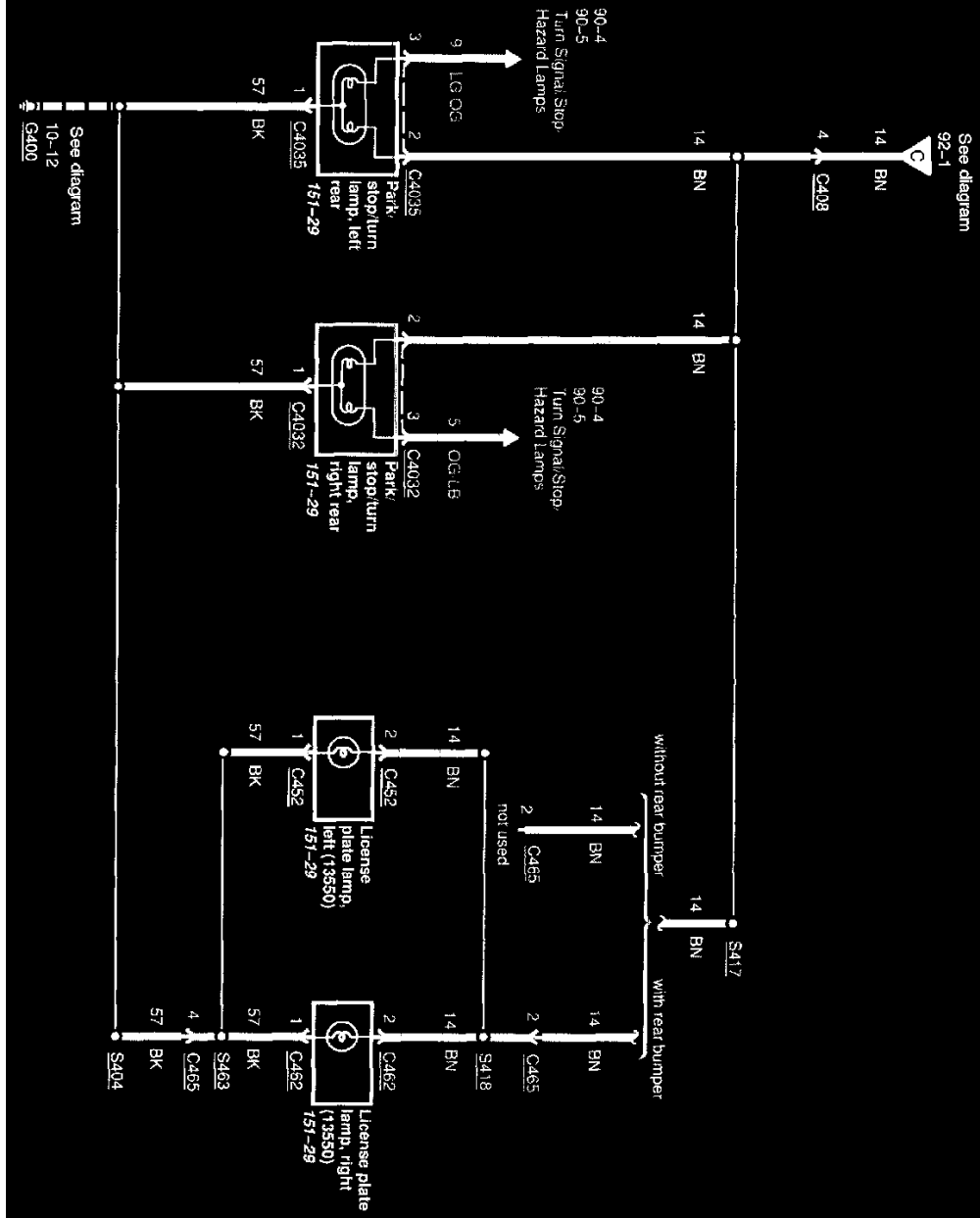
License Plate Lamp

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

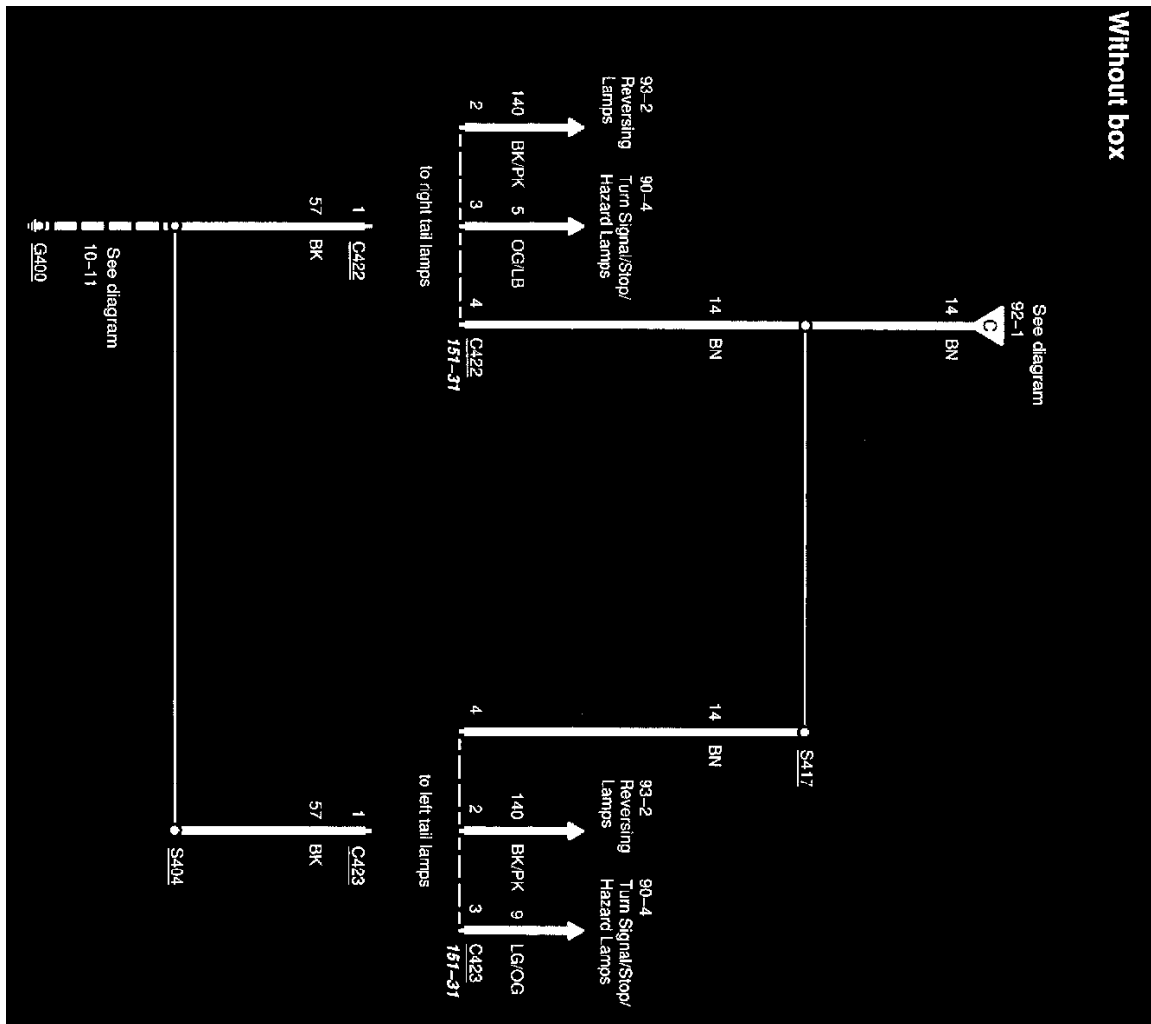




Without dual rear wheels



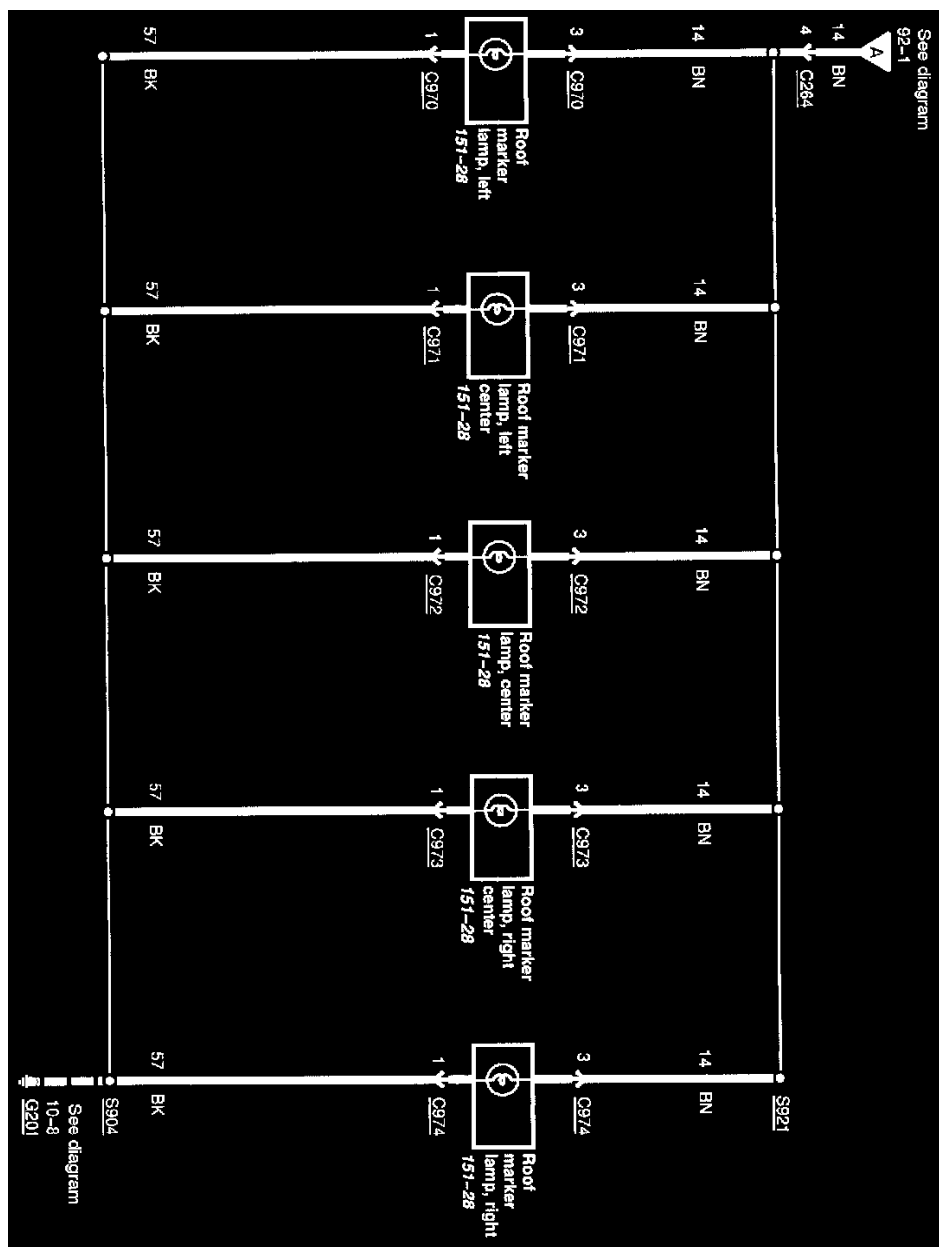
Without box



92-4

See diagram
92-1





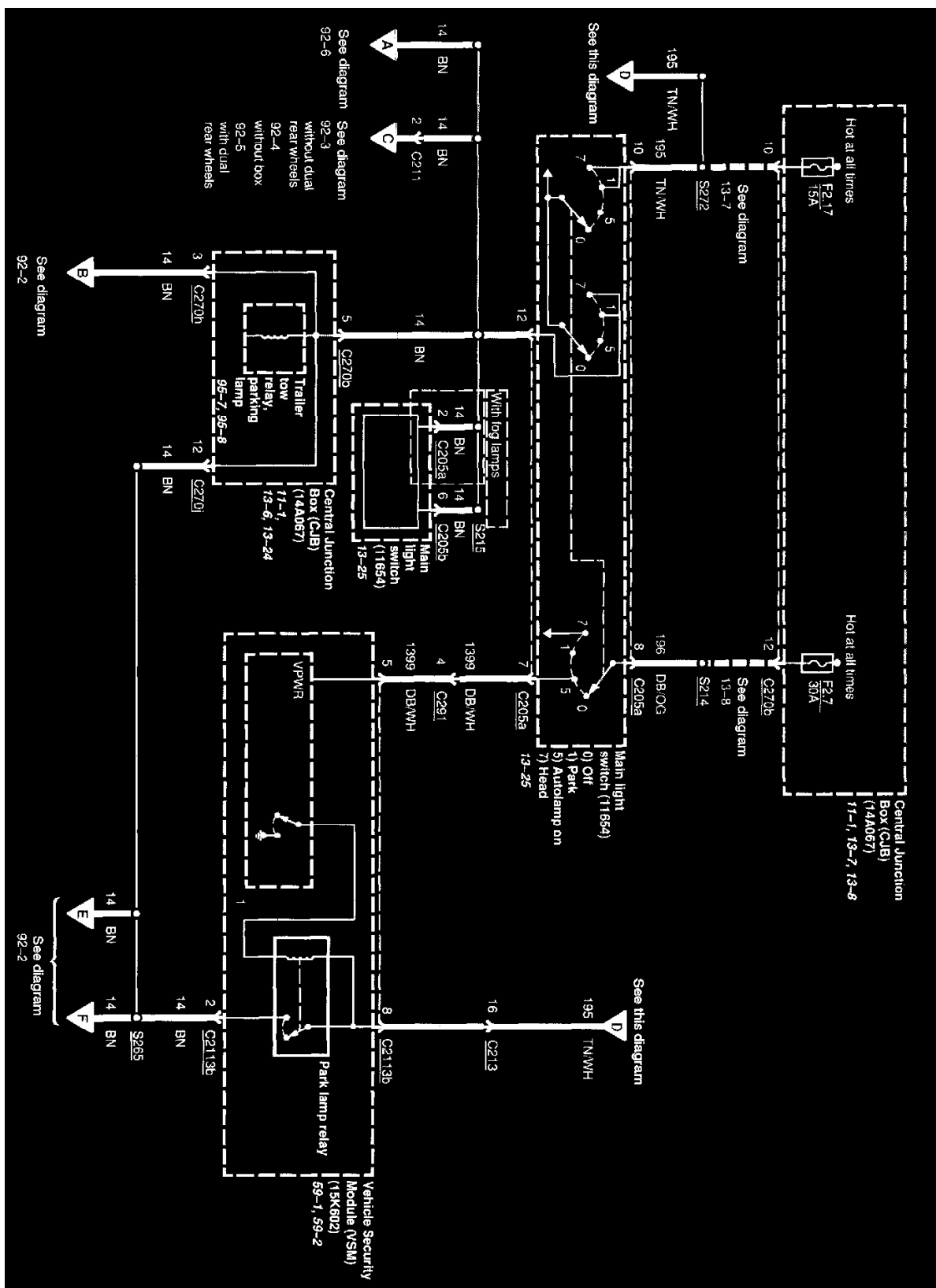
92-6

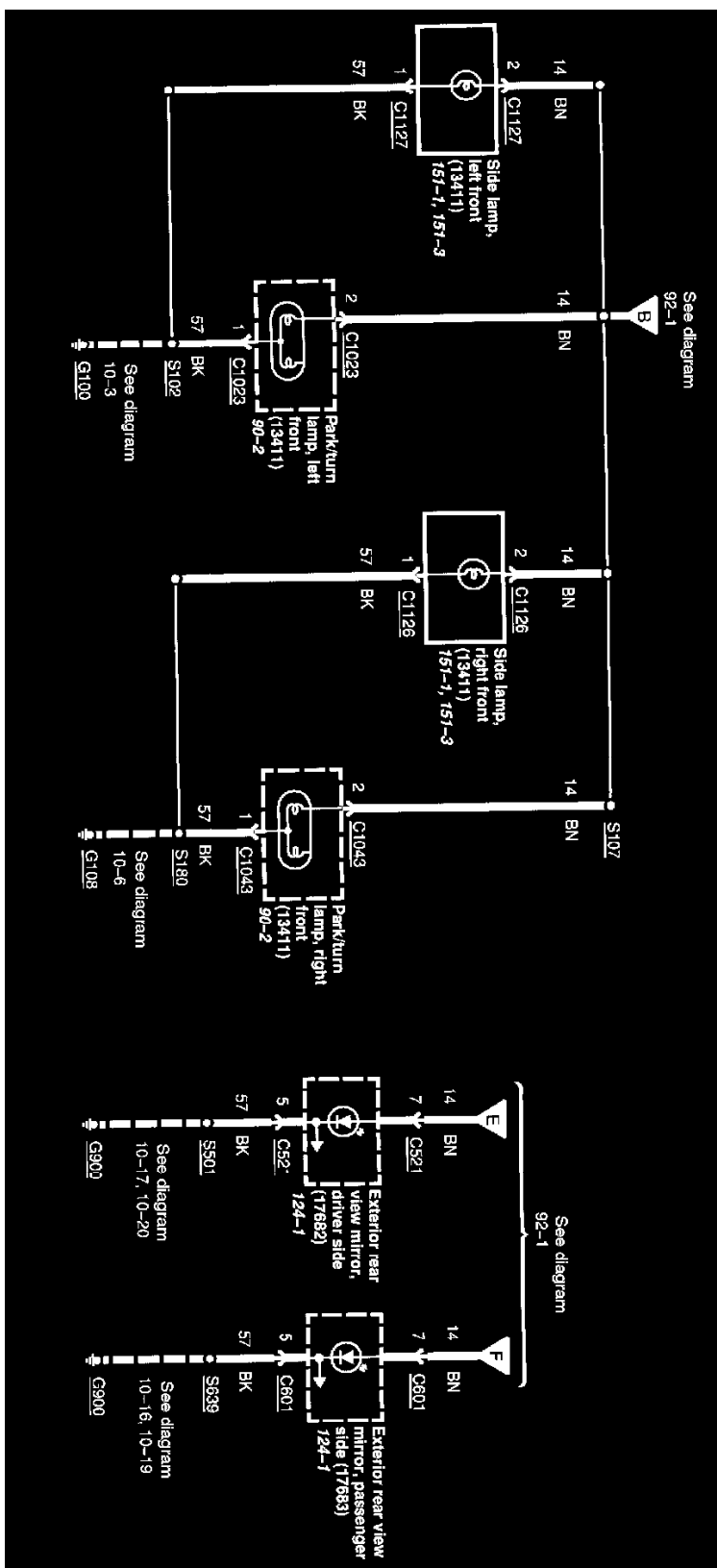
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Parking Lamp

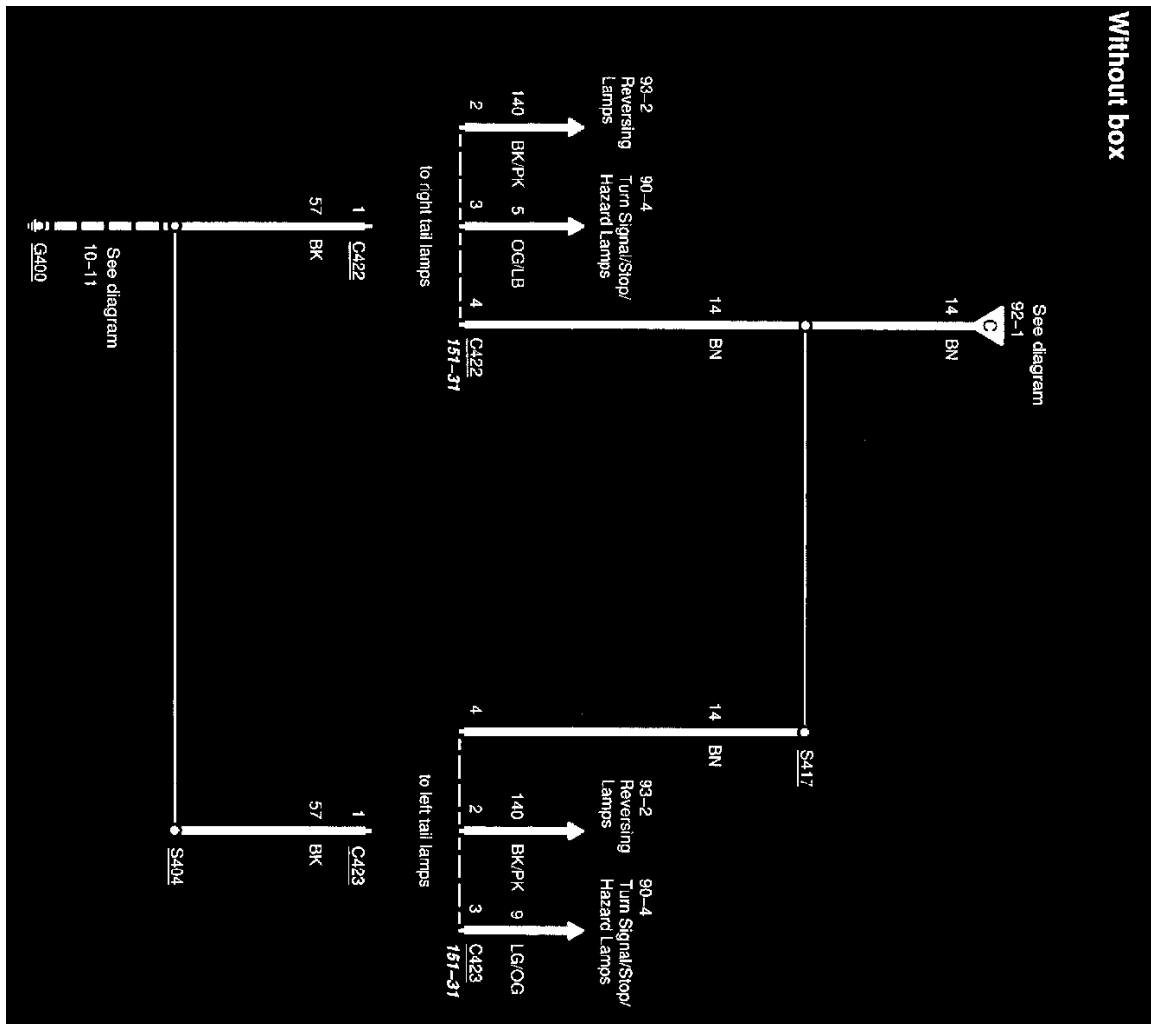
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



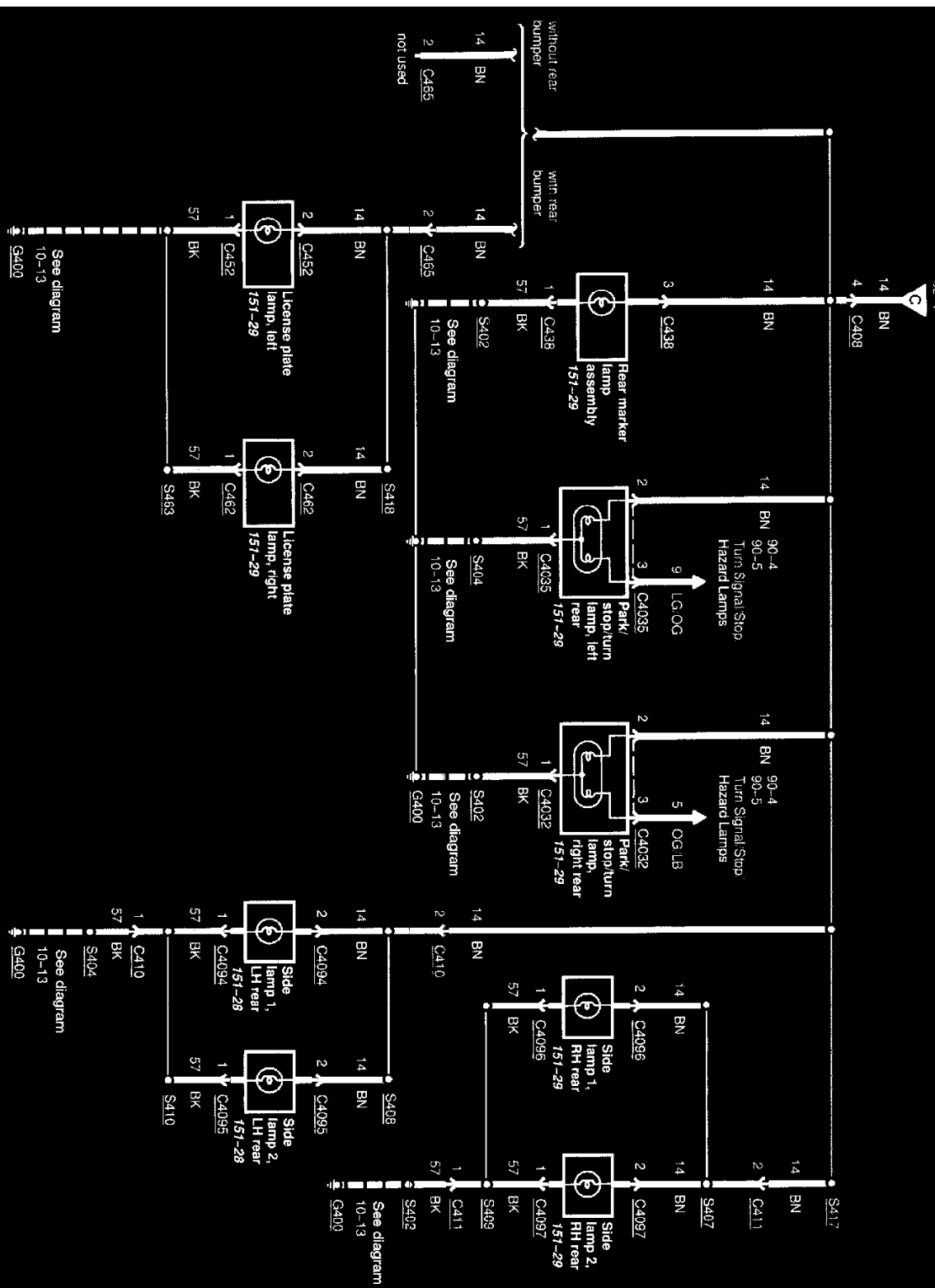


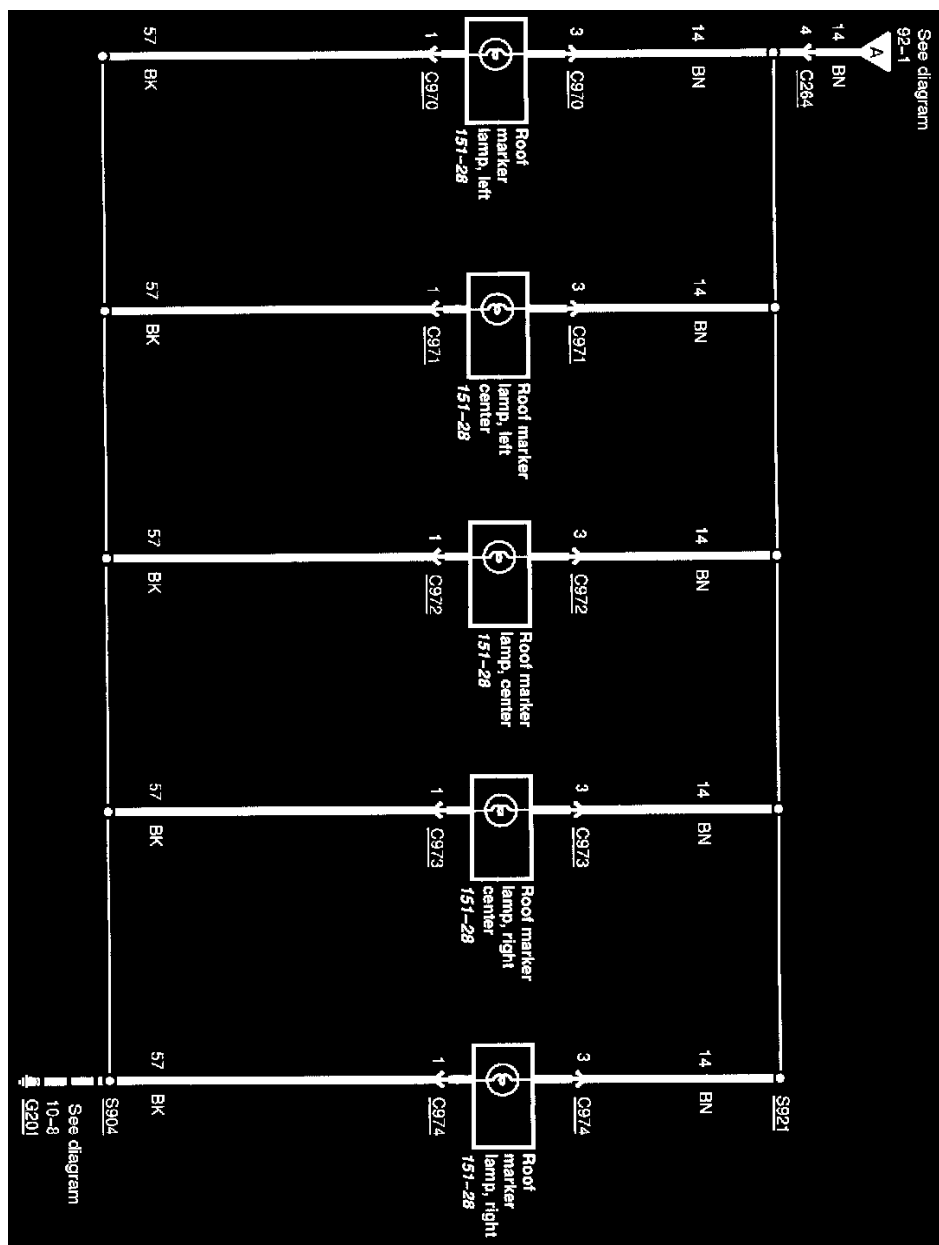
Without dual rear wheels

Without box



See diagram
92-1





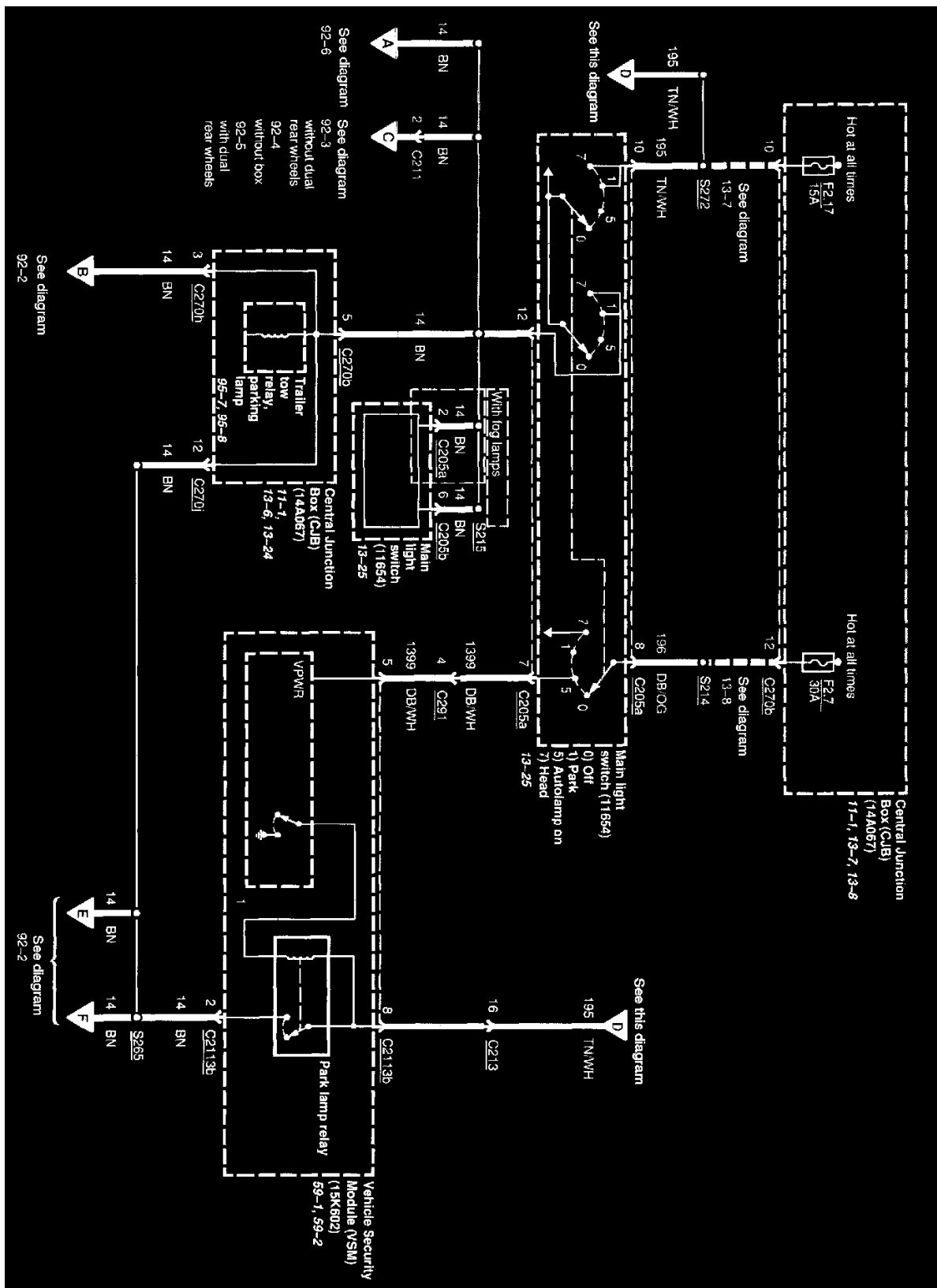
92-6

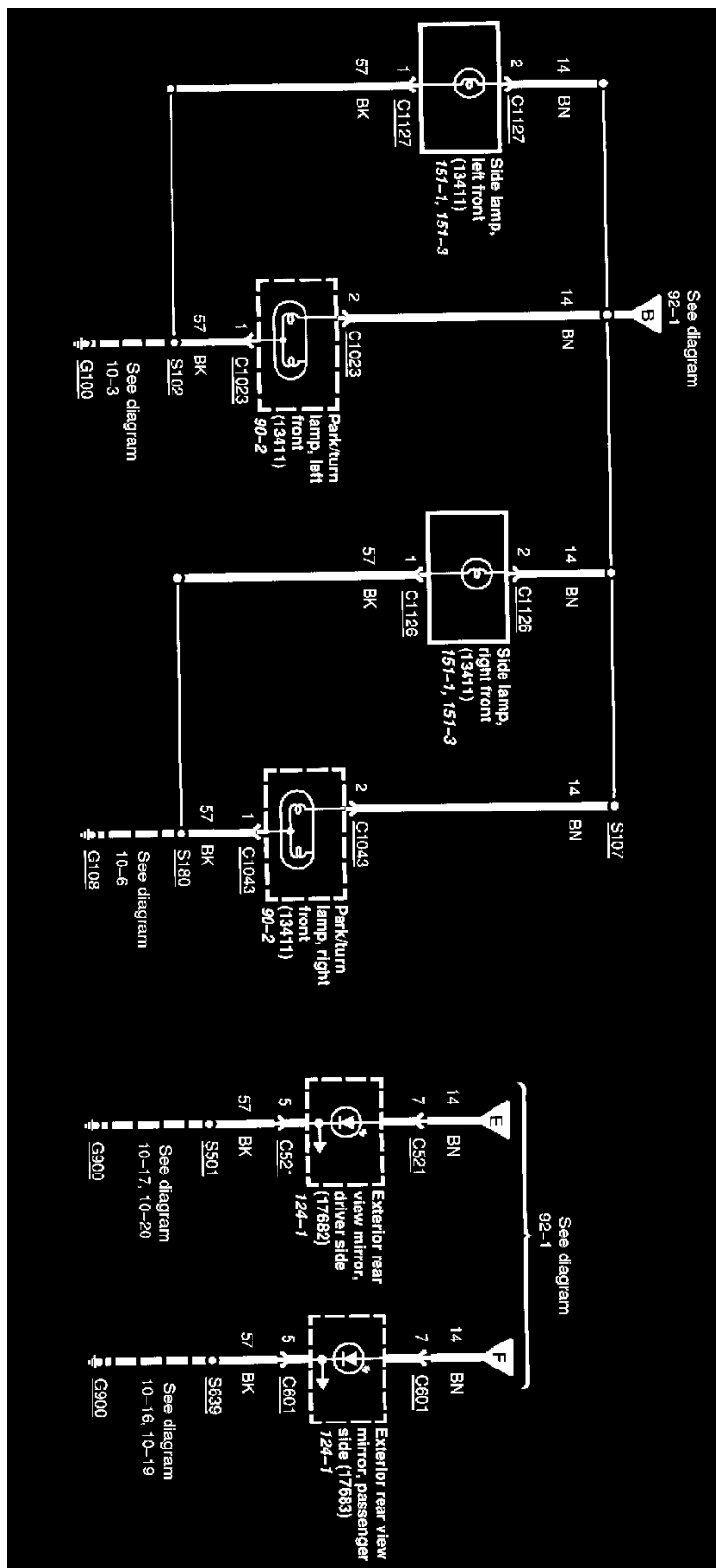
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Tail Lamp

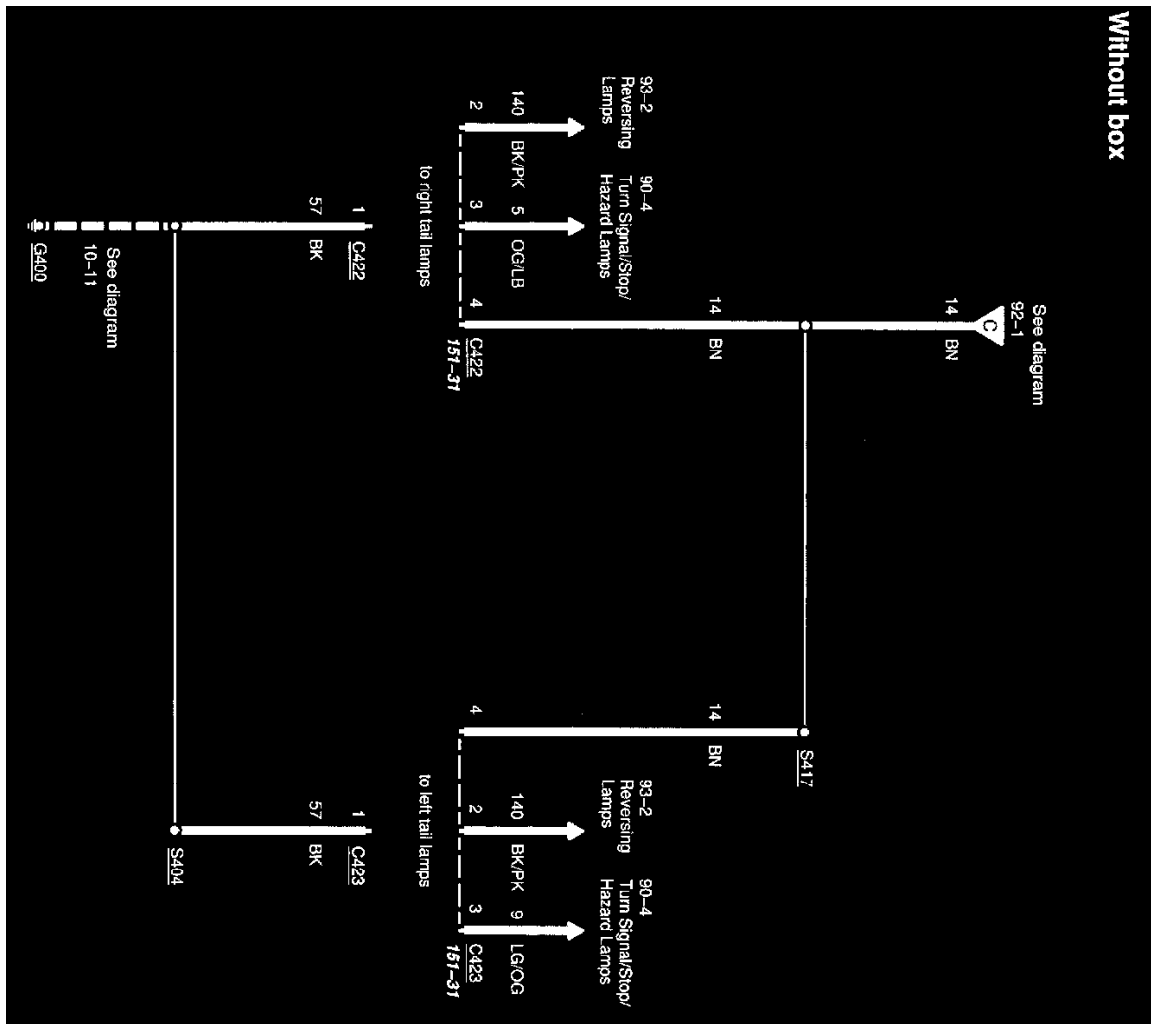
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





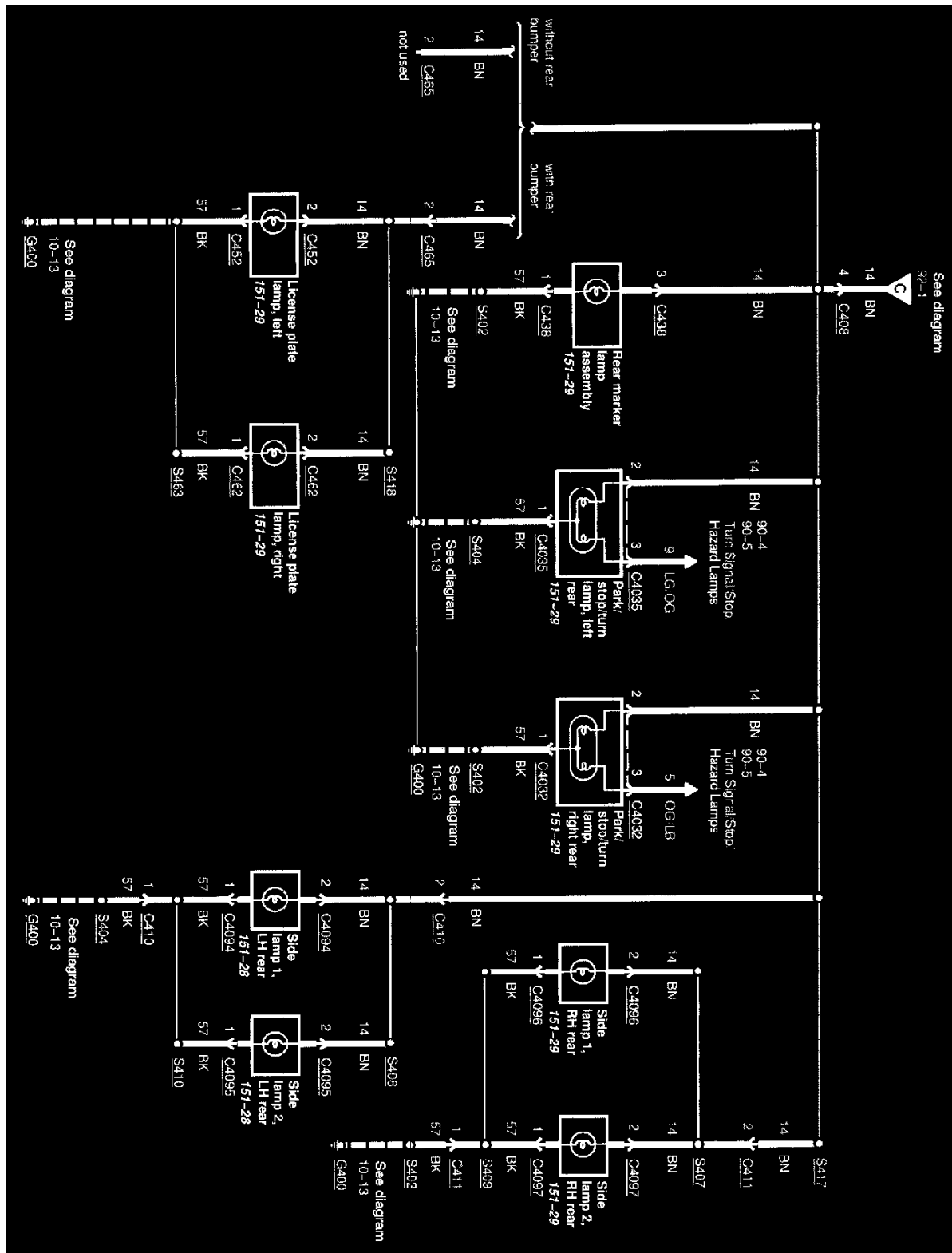
Without dual rear wheels

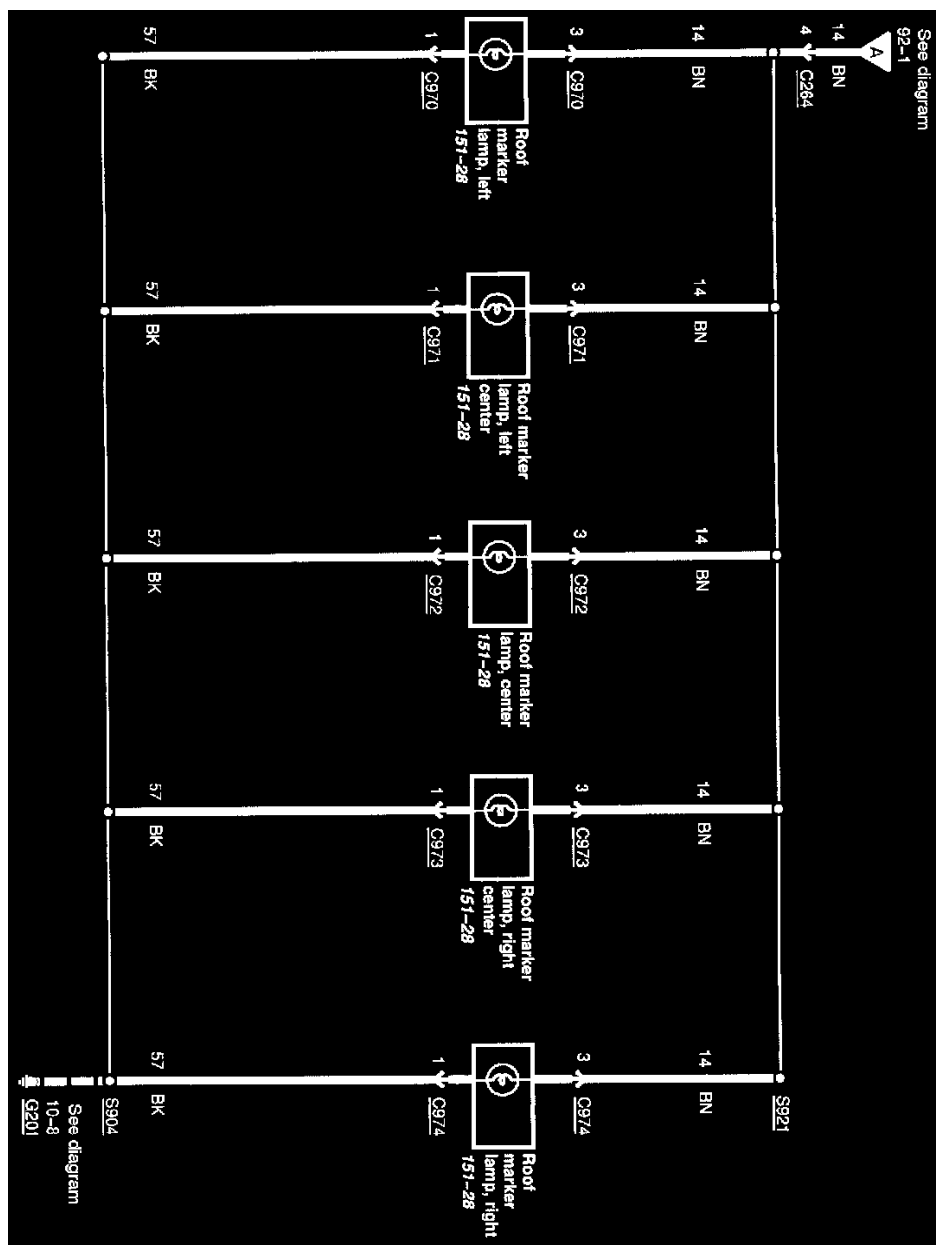
Without box



92-4

With dual rear wheels





92-6

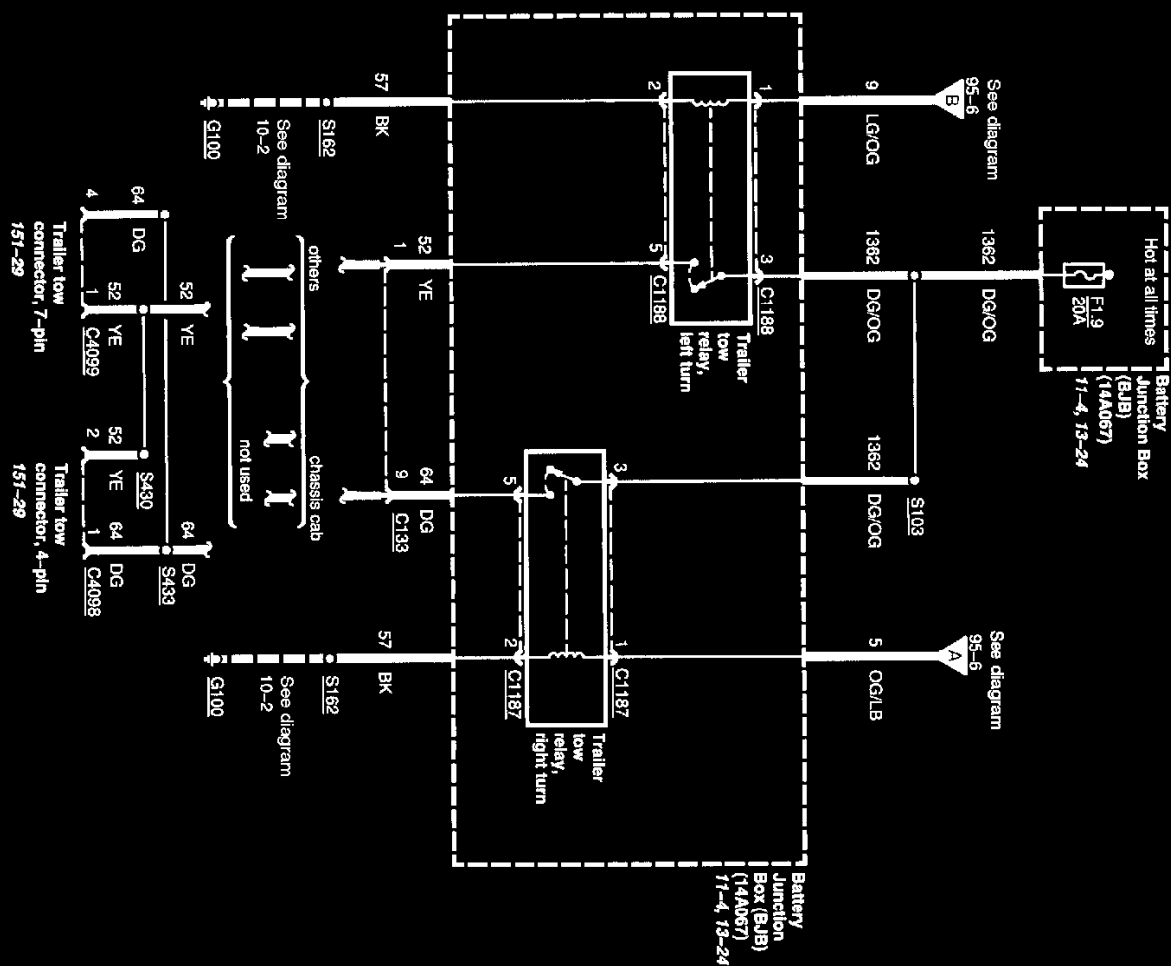
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

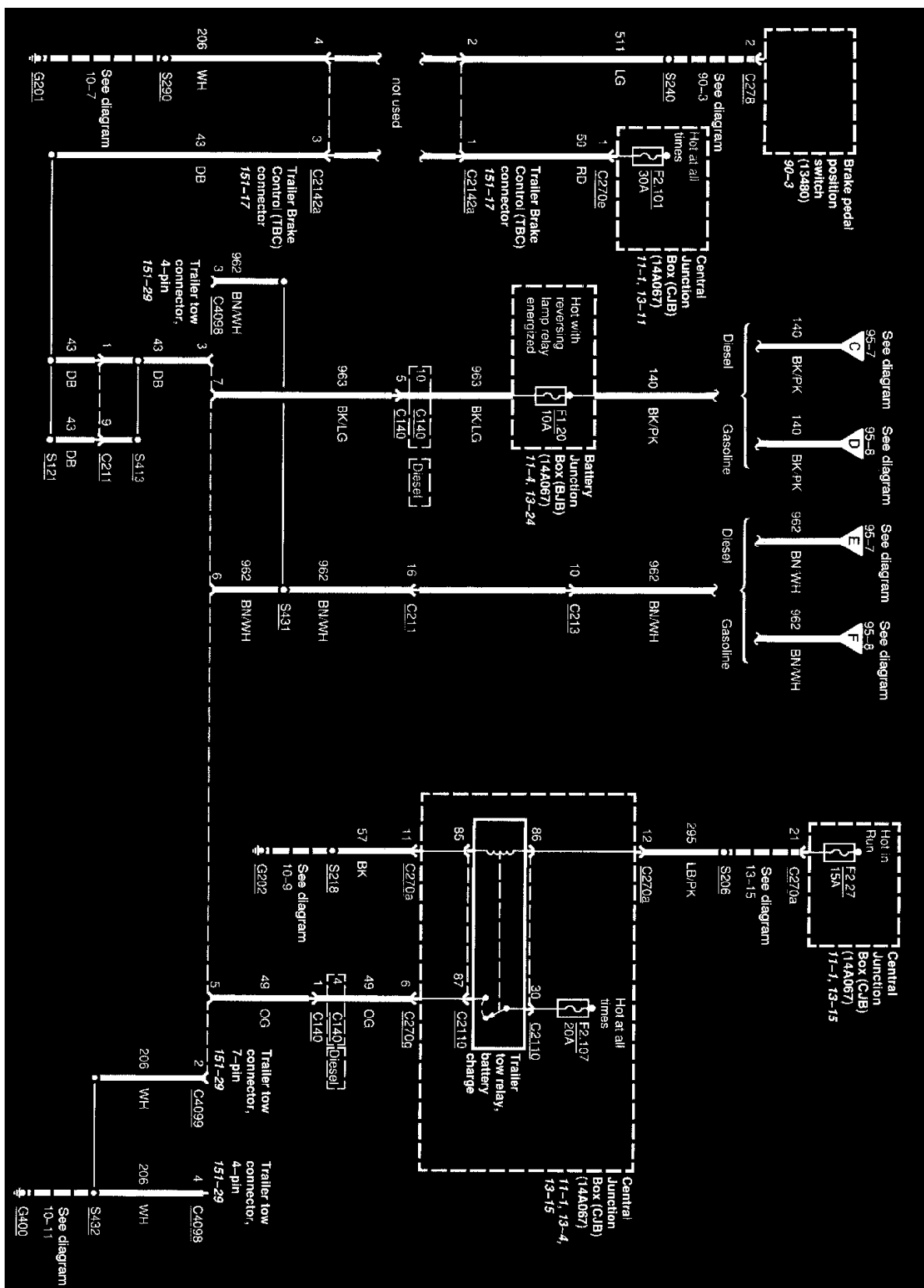
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Trailer Lamps

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

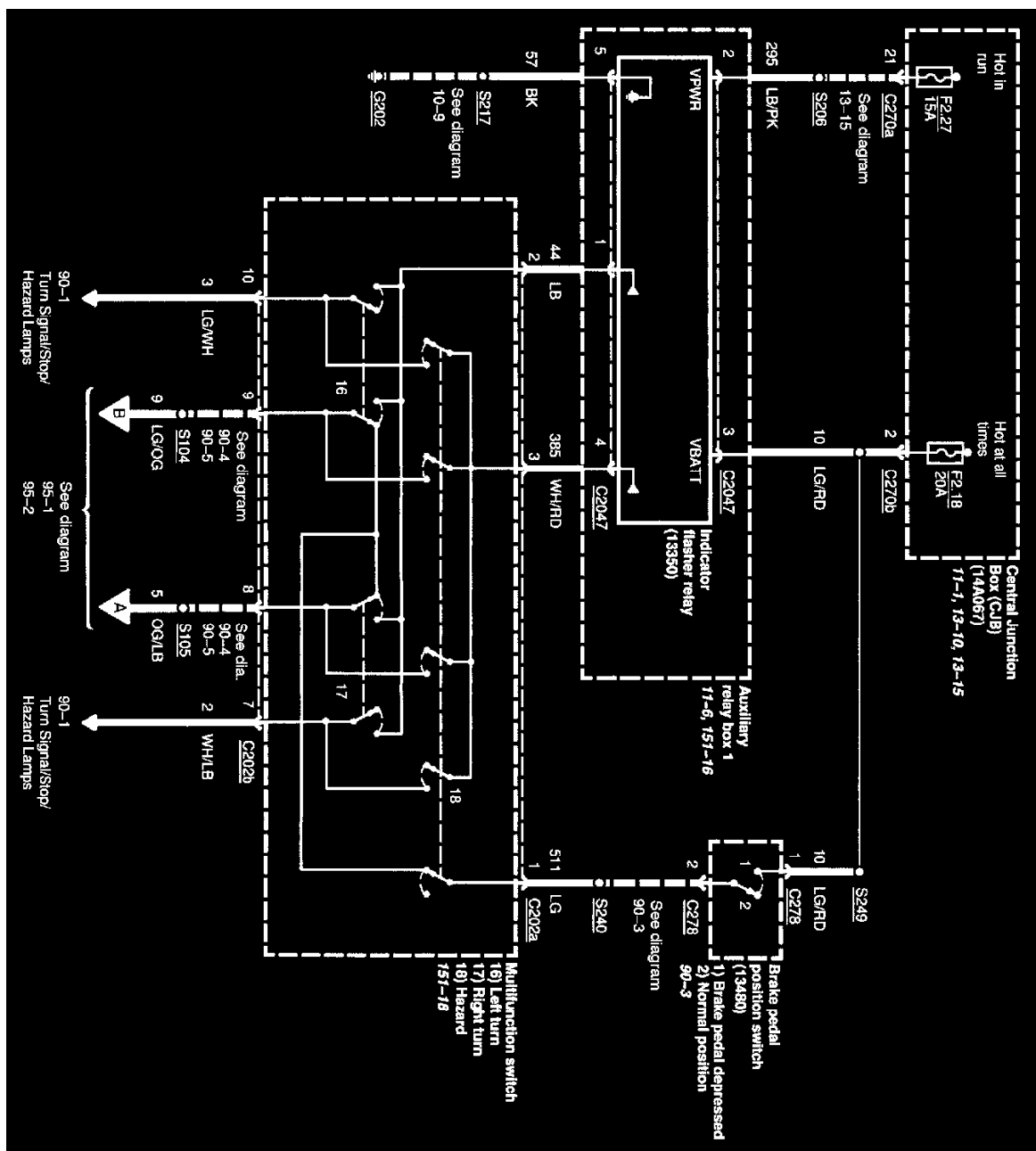
Gasoline





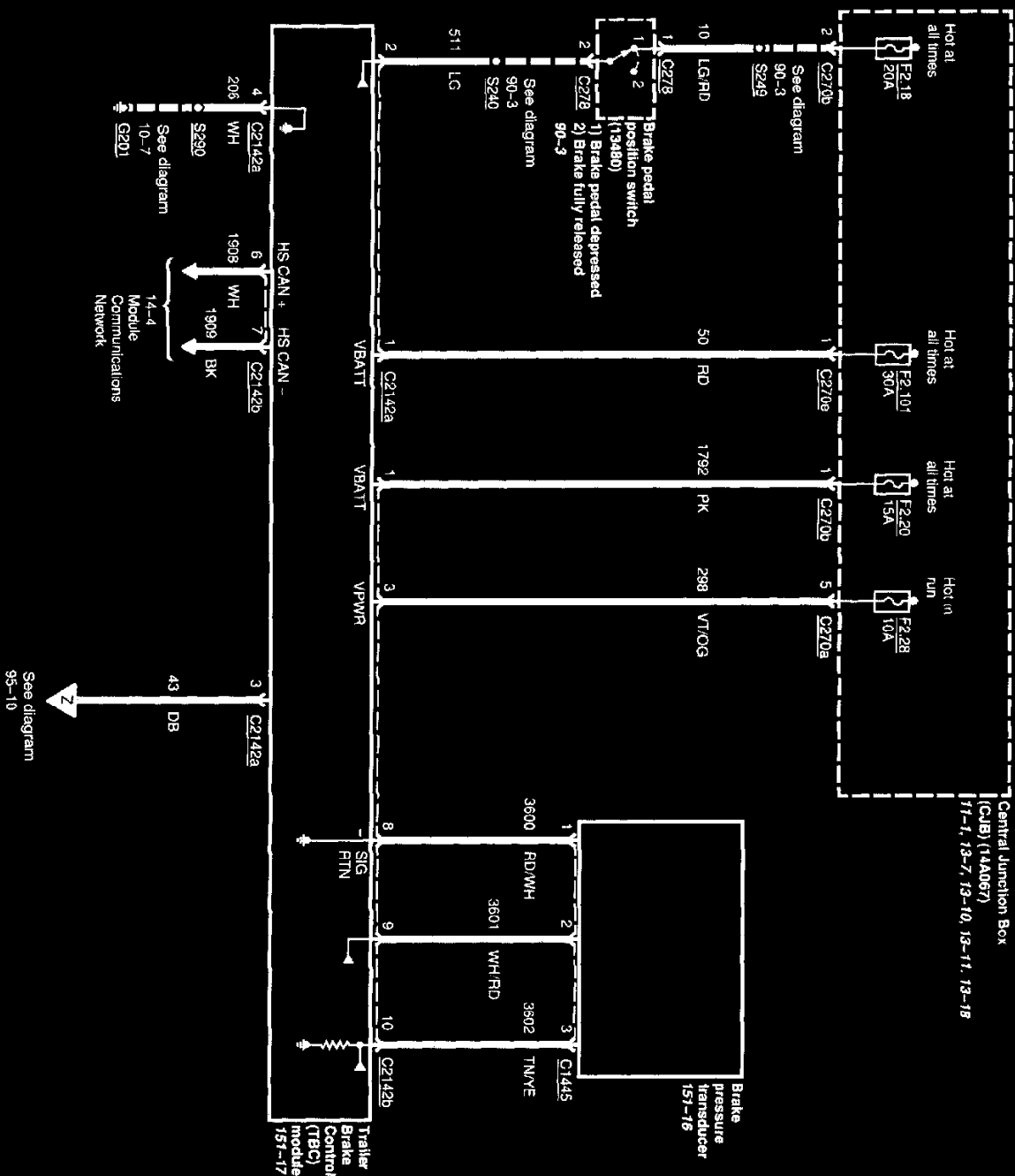
95-4





95-8

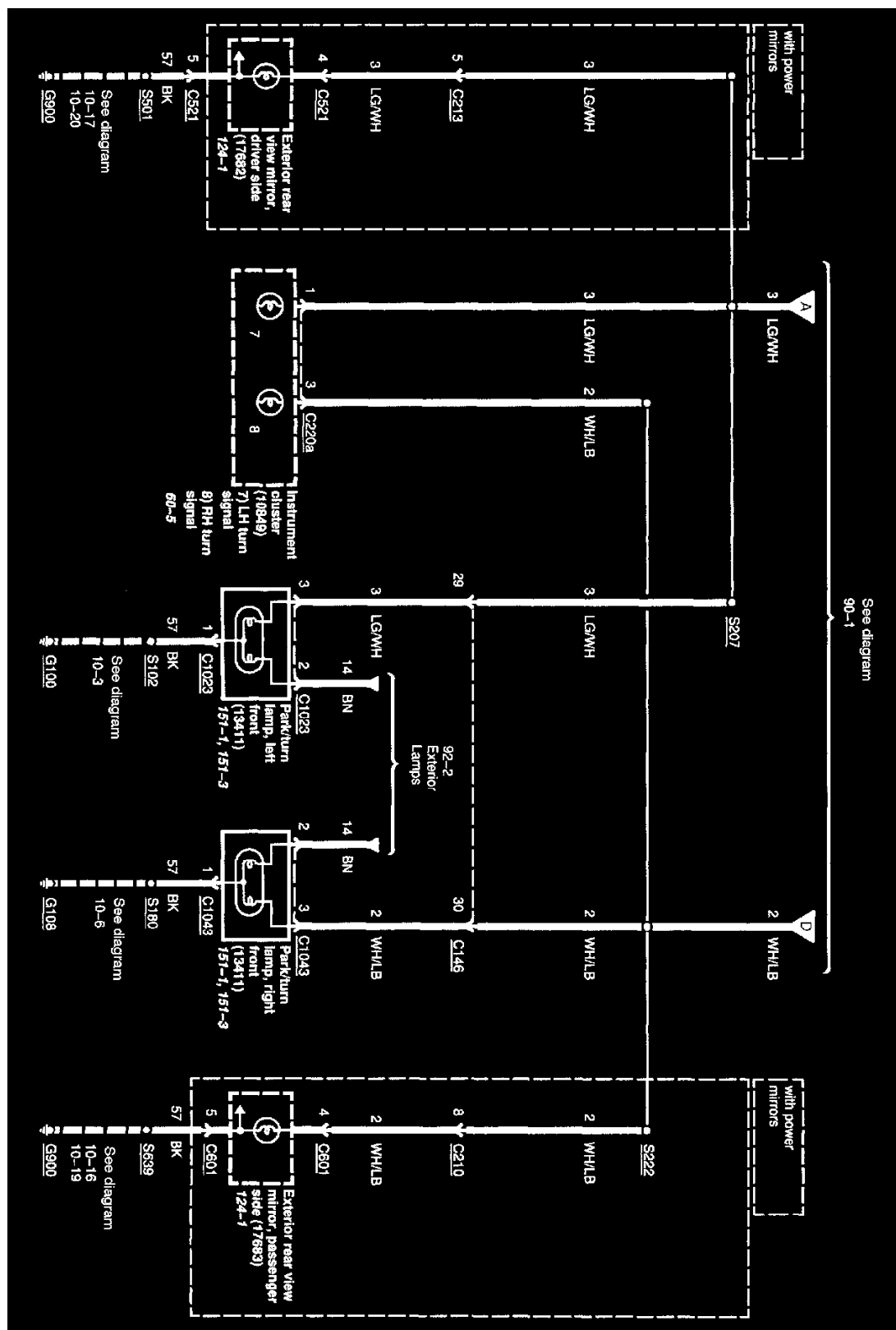
with Trailer Brake Control (TBC) module

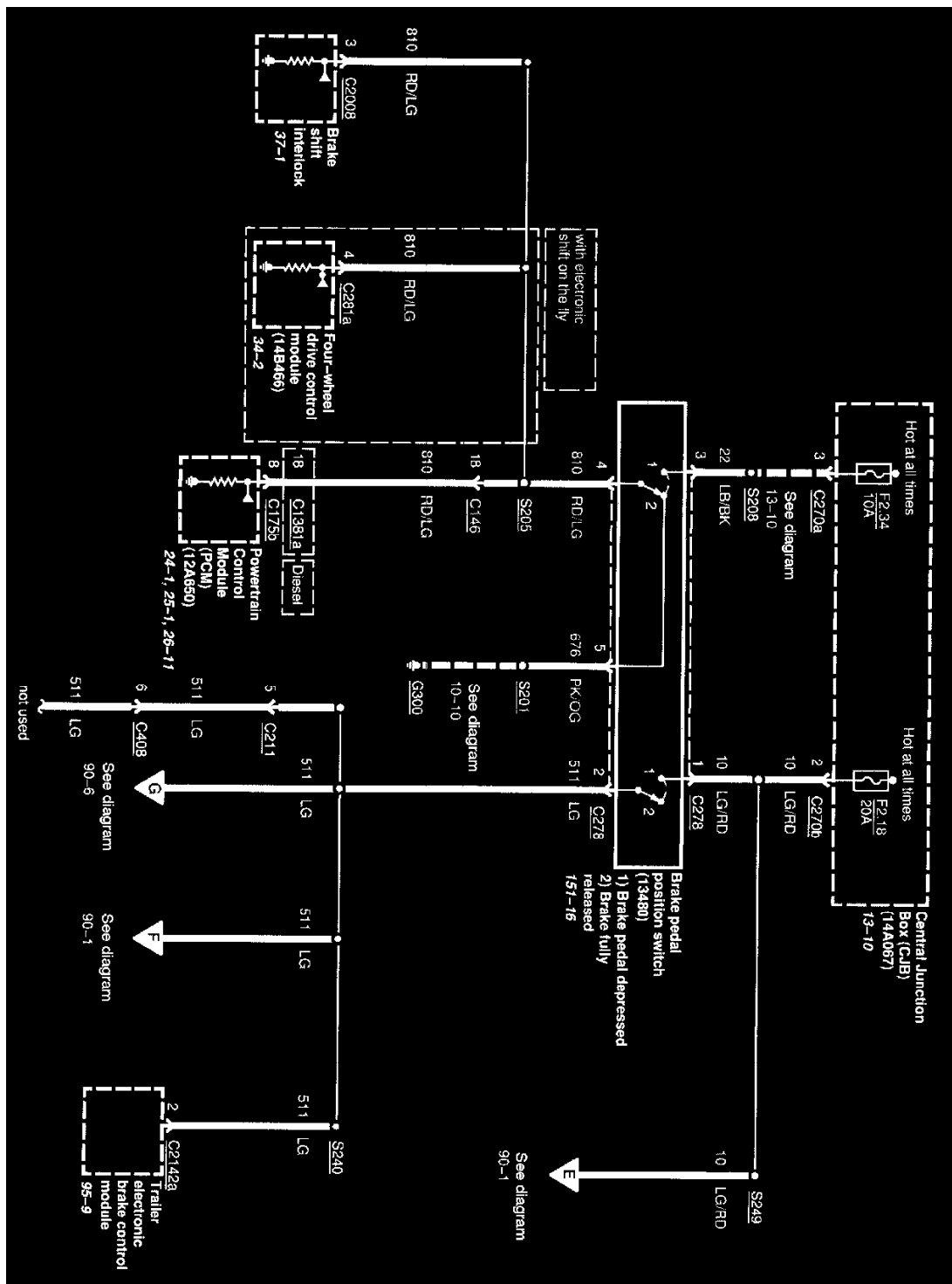


95-10

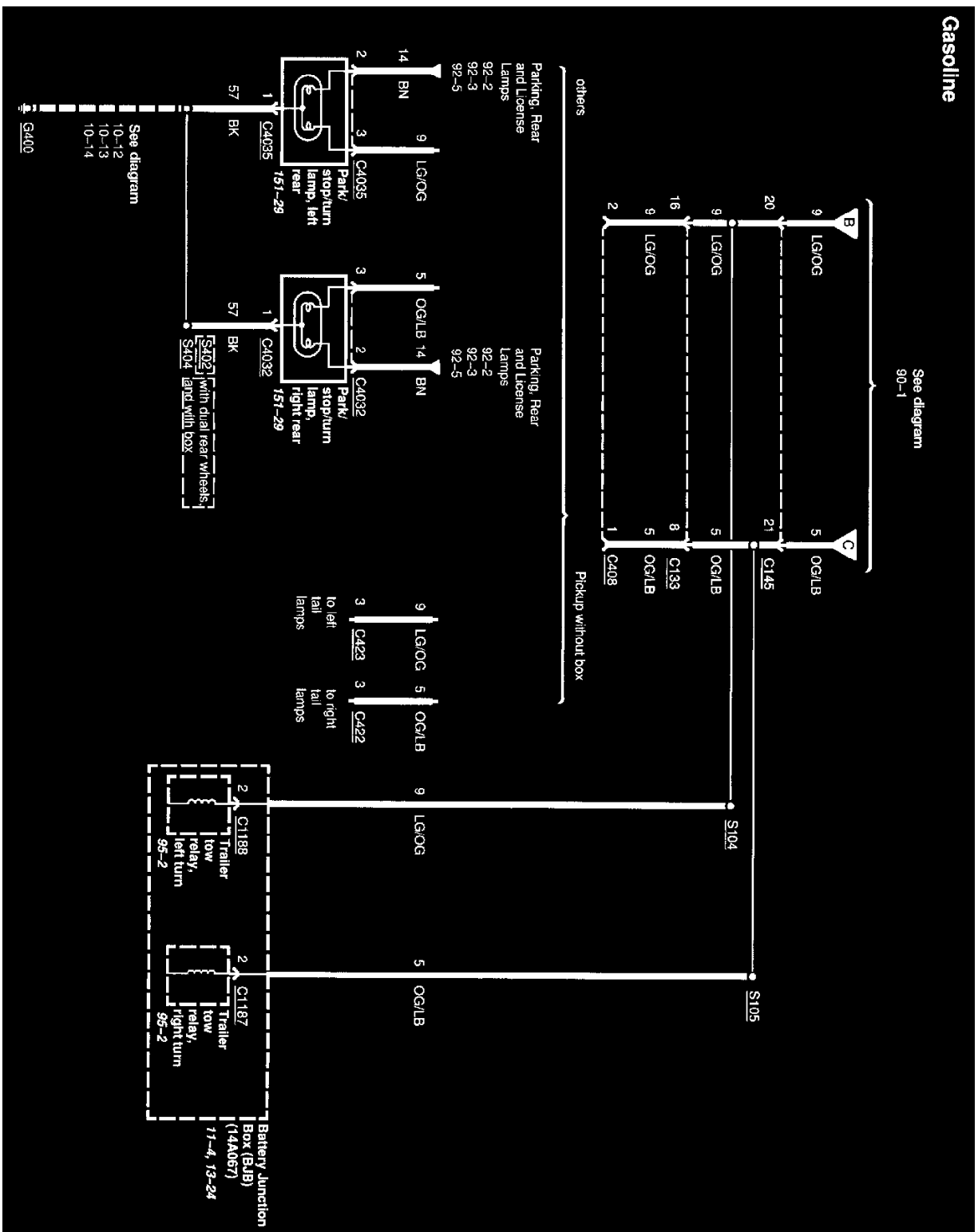
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do

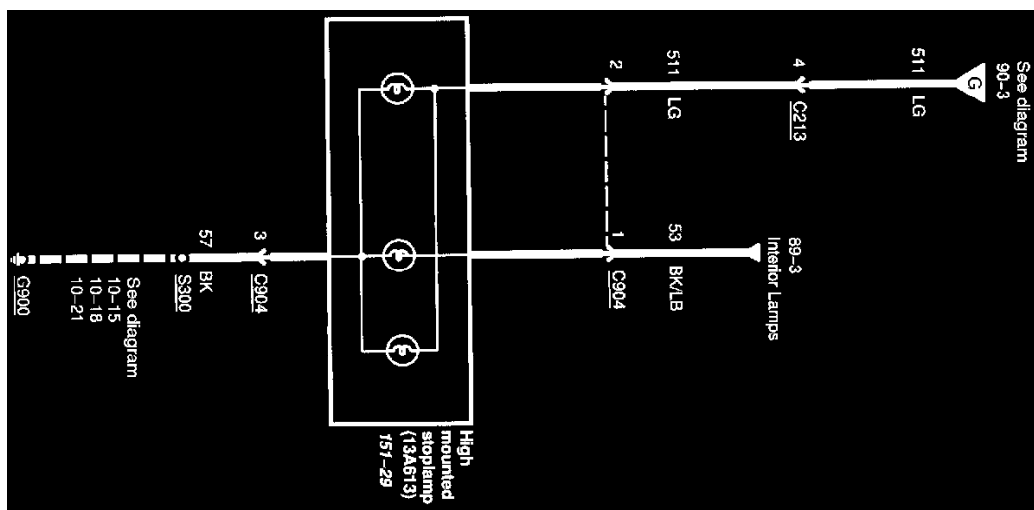
[illegible]





Gasoline





Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Power Mirrors

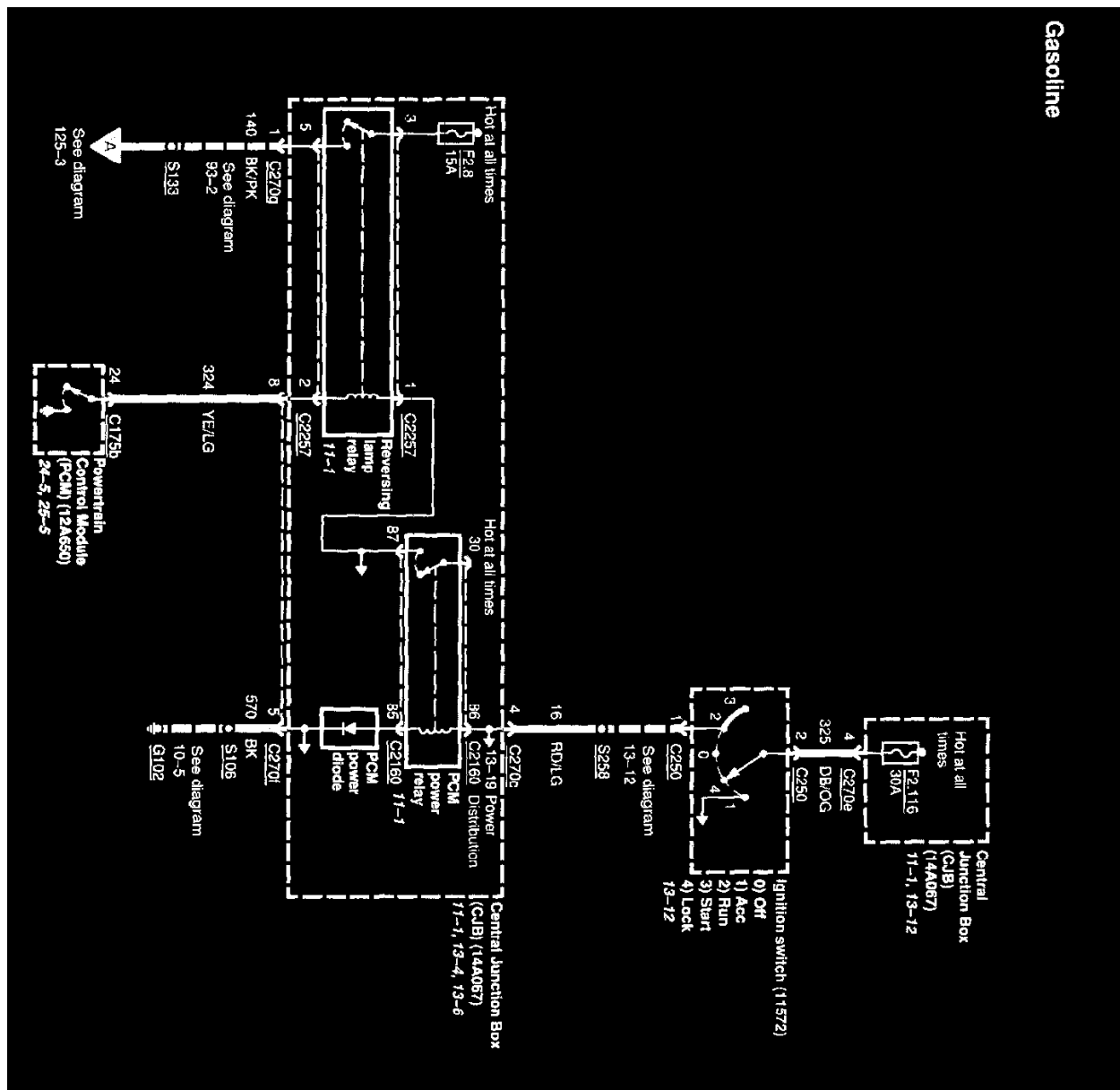
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

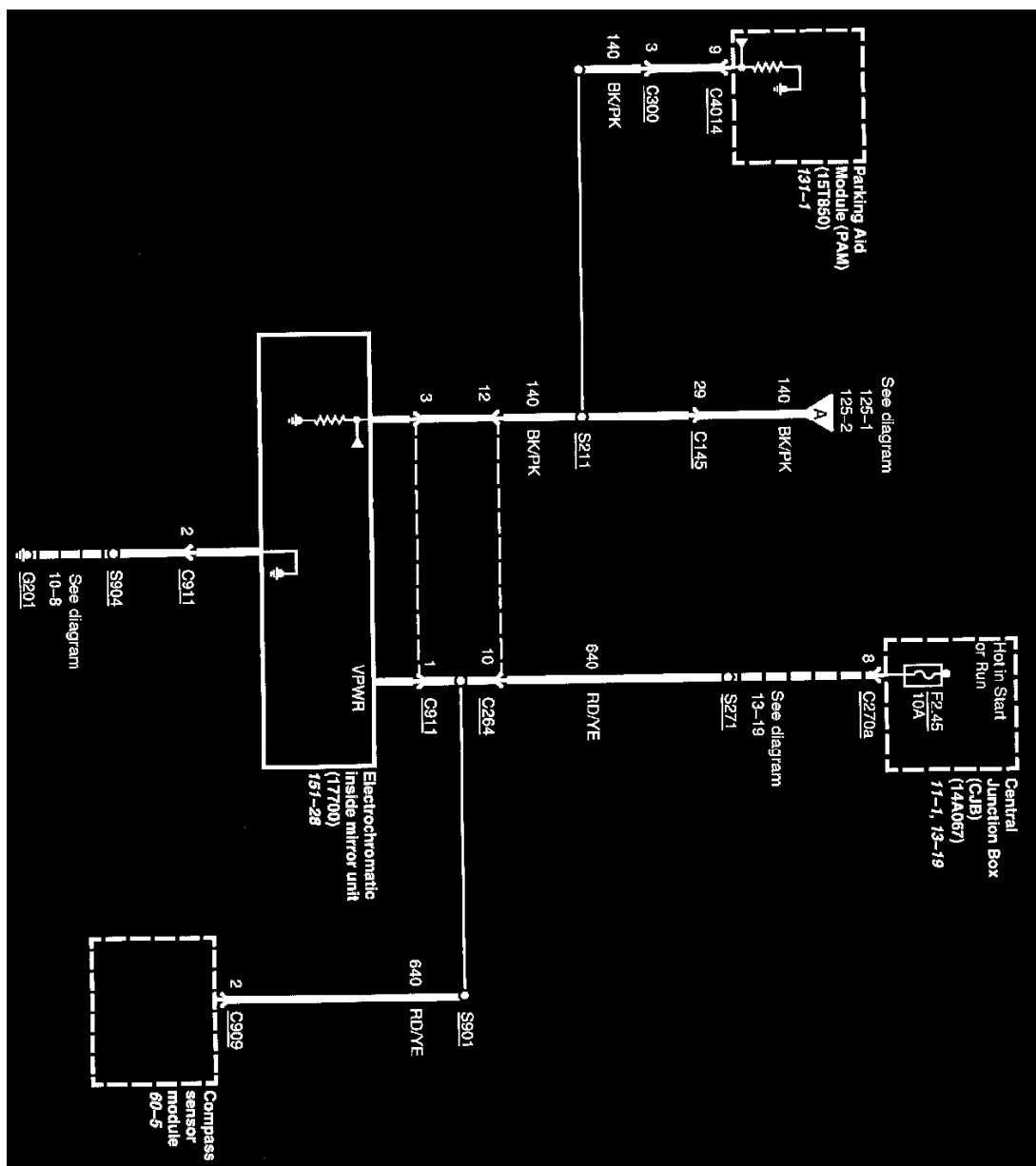




PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

Gasoline





125-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

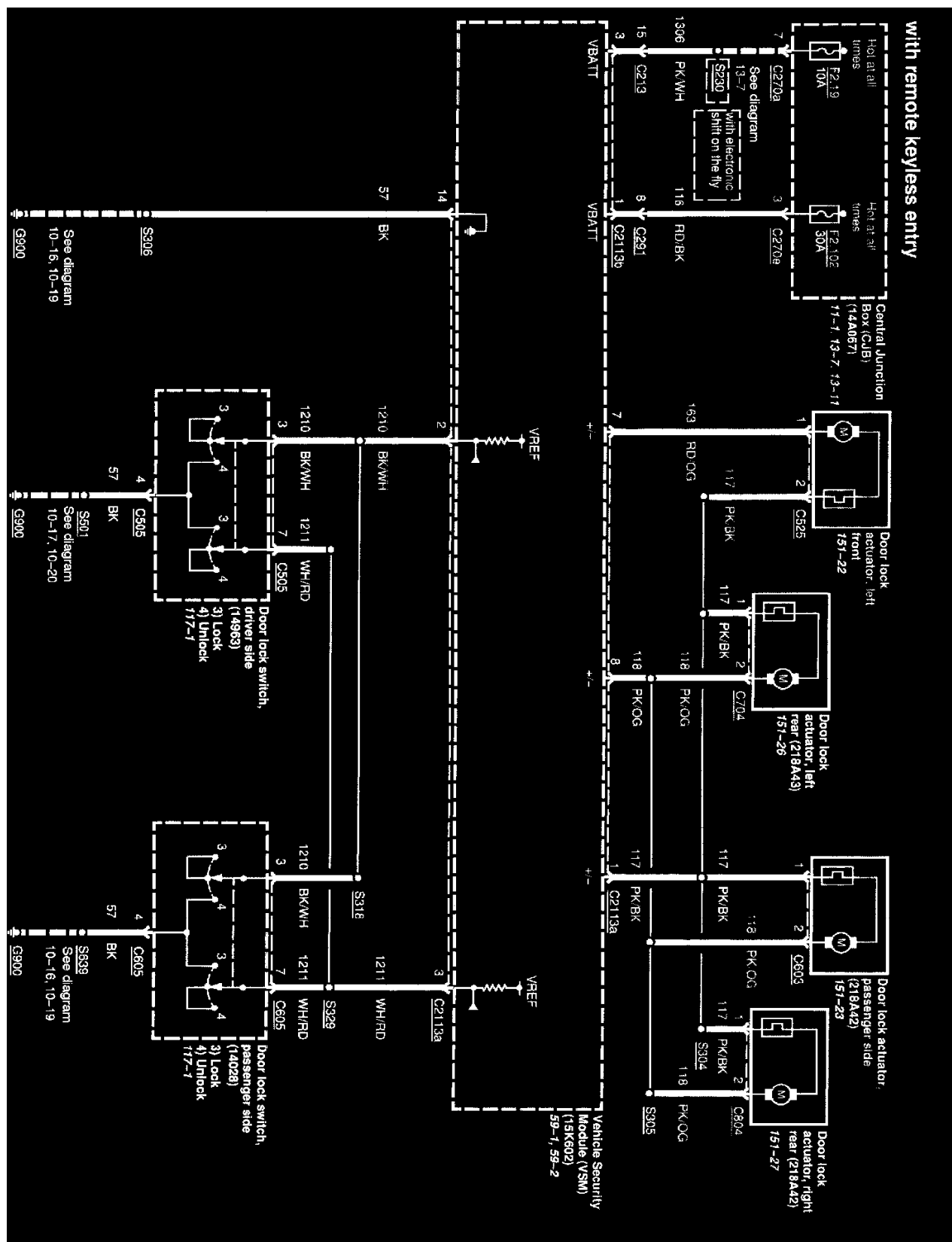
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Pedal Positioning System

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

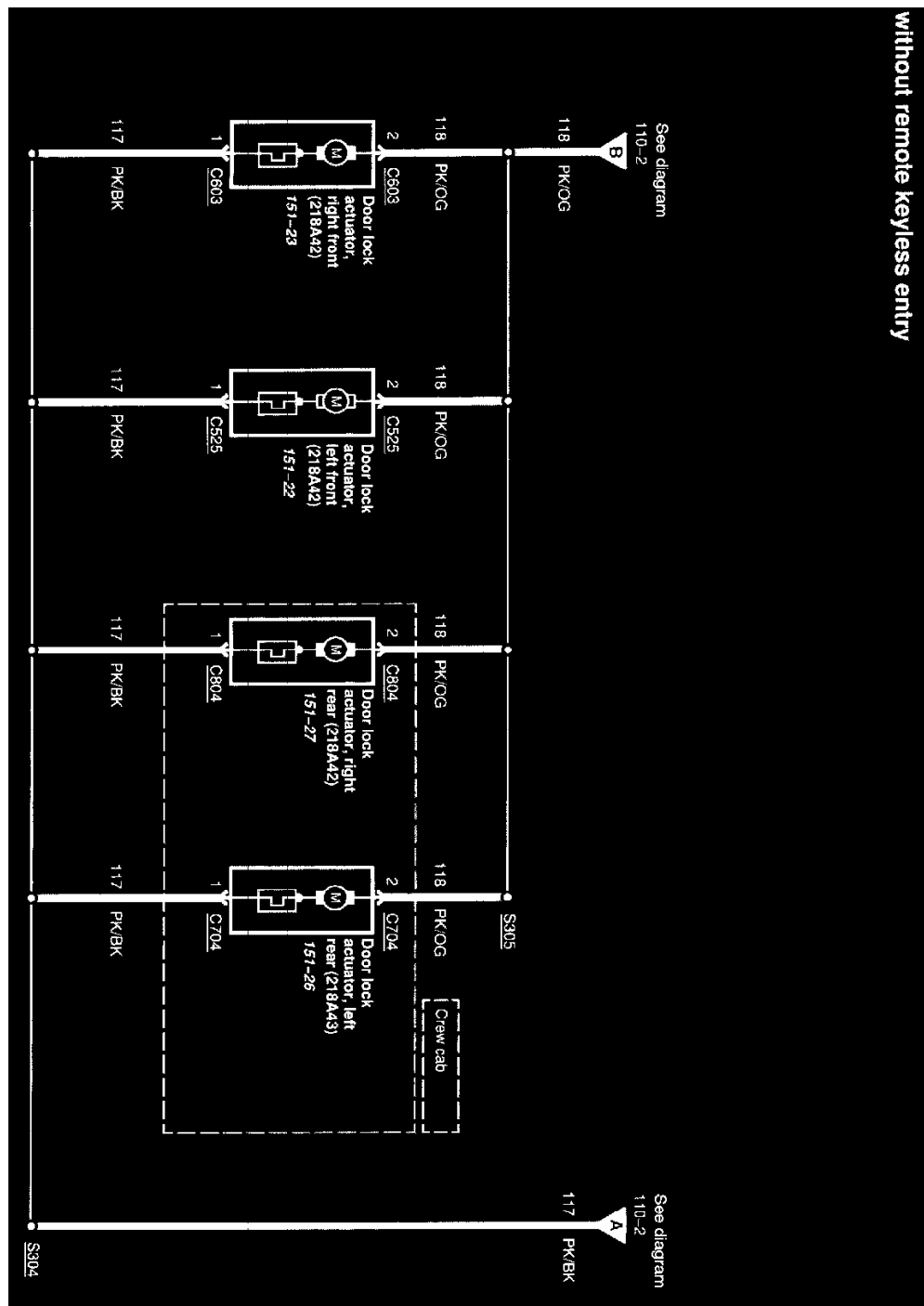


PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



[illegible]

without remote keyless entry



110-3

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Accelerator Pedal Position Sensor	25-8
Cylinder Head Temperature Sensor	25-5
Dual Knock Sensor	25-8
Electronic Throttle Control (ETC) Motor	25-5
EVAP Canister Vent Control Solenoid	25-3
Fuel Injectors	25-2, 25-3
Fuel Pump Driver Module	25-6, 25-7
Fuel Pump Relay	25-6, 25-7
Fuel Tank Pressure Transducer	25-6, 25-7
Fuel Tank Unit	25-6, 25-7
Heated Oxygen Sensors (HO2S)	25-4, 25-7
Inertia Fuel Shutoff (IFS) Switch	25-6, 25-7
Injector Pressure Sensor (IPS)	25-5
Intake Manifold Tuning Valve (IMTV)	25-3
Mass Air Flow (MAF) Sensor	25-1
PCM Power Diode	25-1
PCM Power Relay	25-1
Throttle Position Sensor (TPS)	25-5
Vapor Management Valve	25-3

25-1

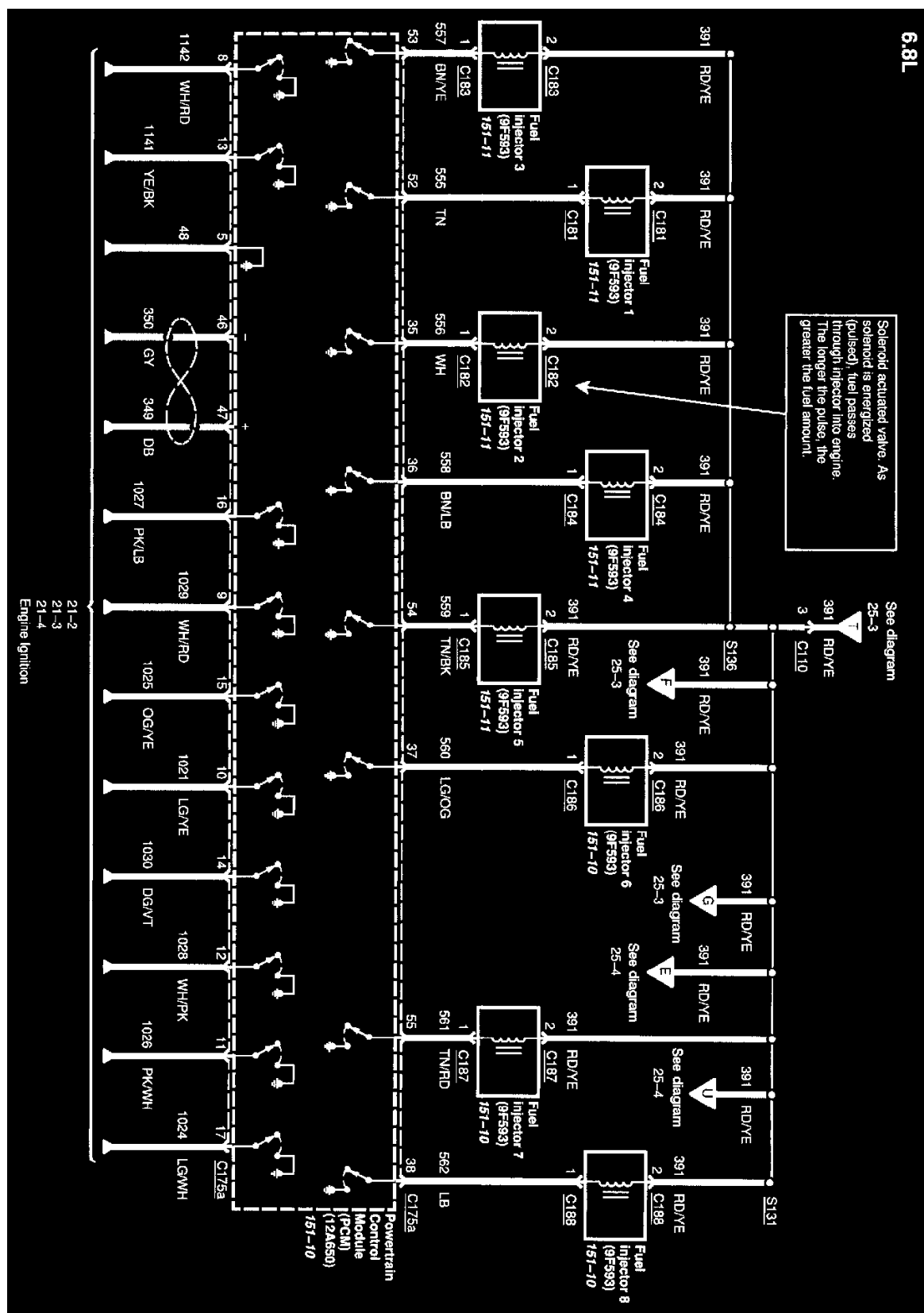
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

25-2

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

25-3

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

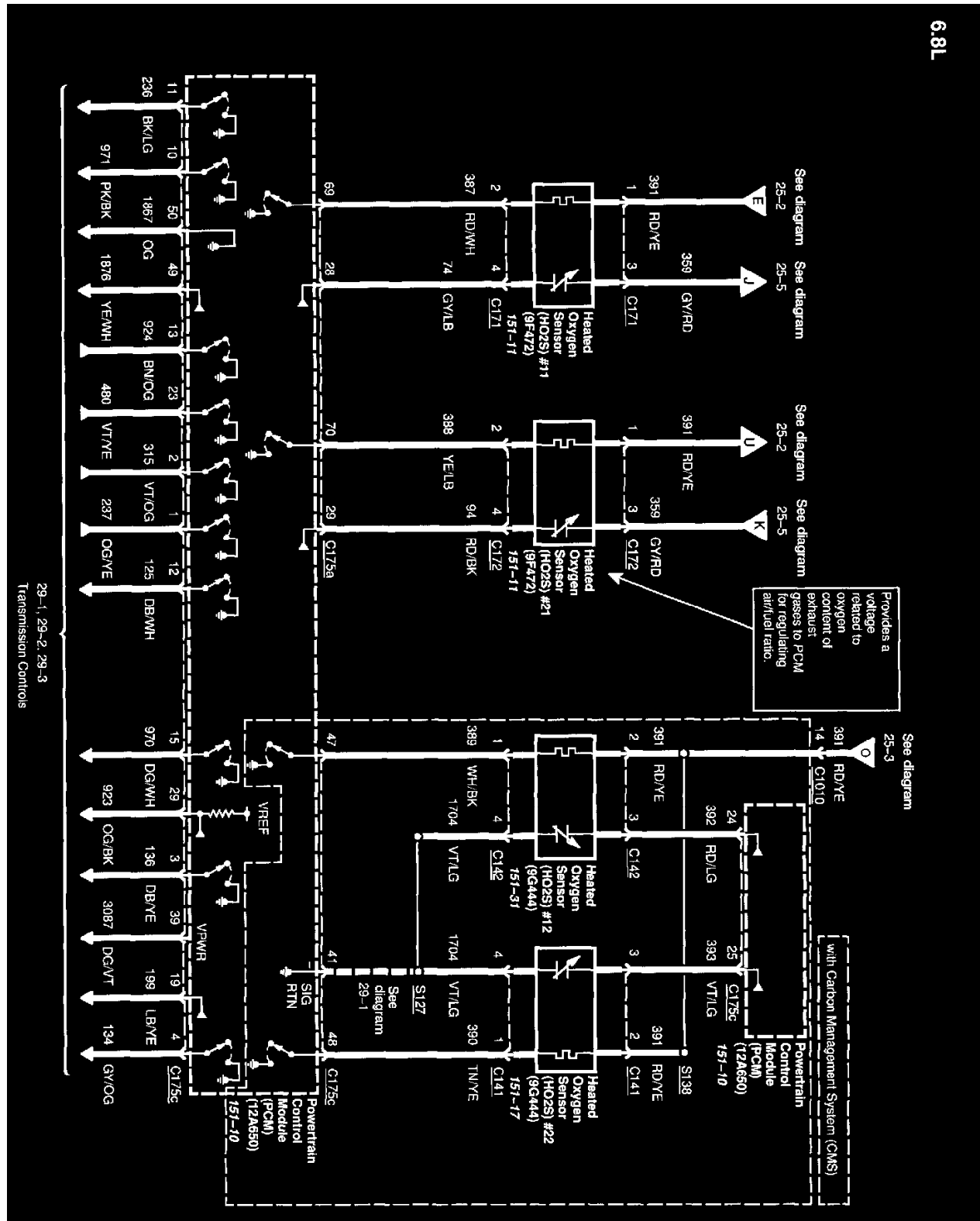
Previous Diagram See: Electrical Diagrams/Powertrain Management/System Diagram/25-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
 See: Components/Component Location Views

25-4

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

25-5

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



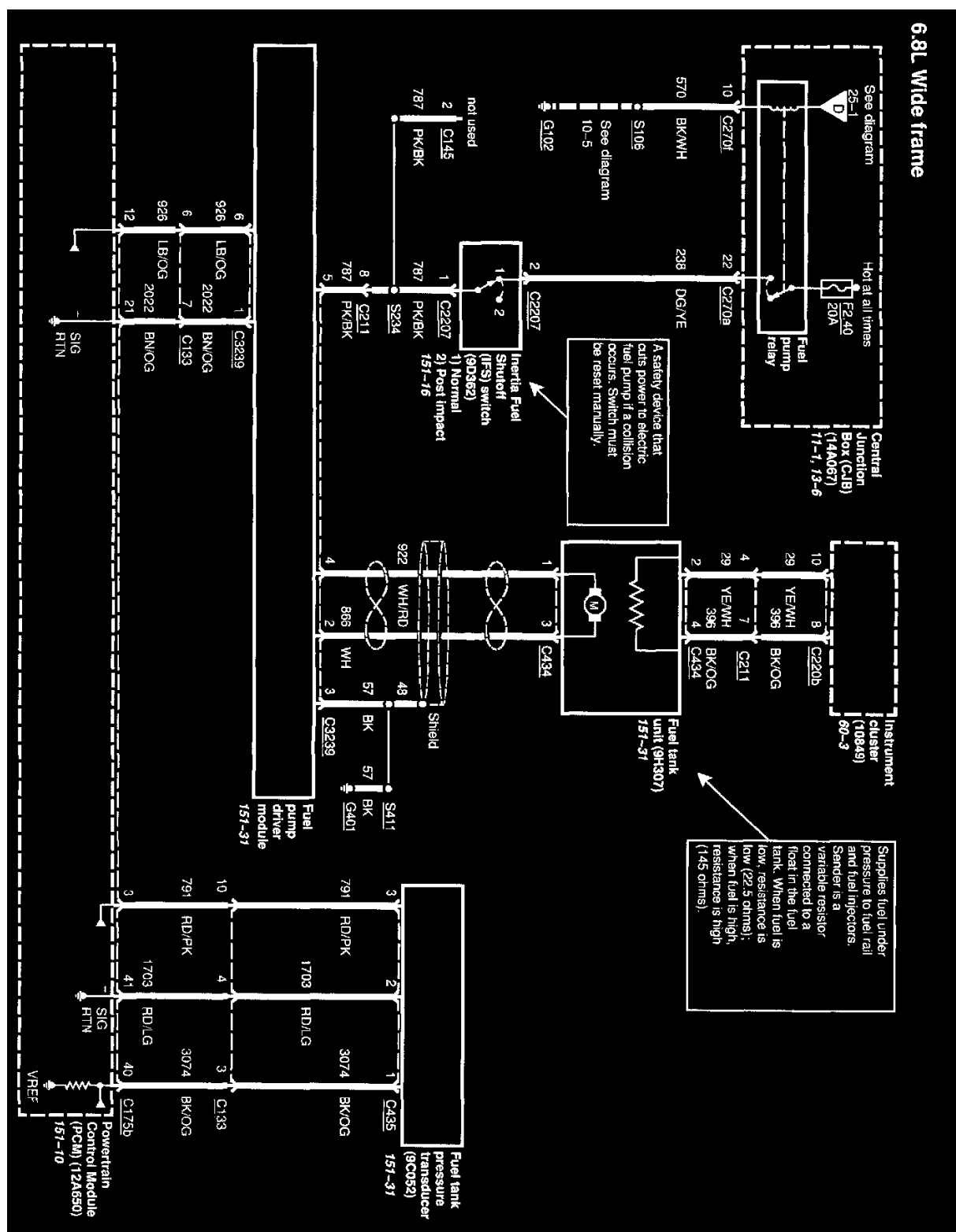
Diagrams: Other diagrams referred to by number (See Diagram ###, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

See: Components/Component Location Views

25-6

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

25-7

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

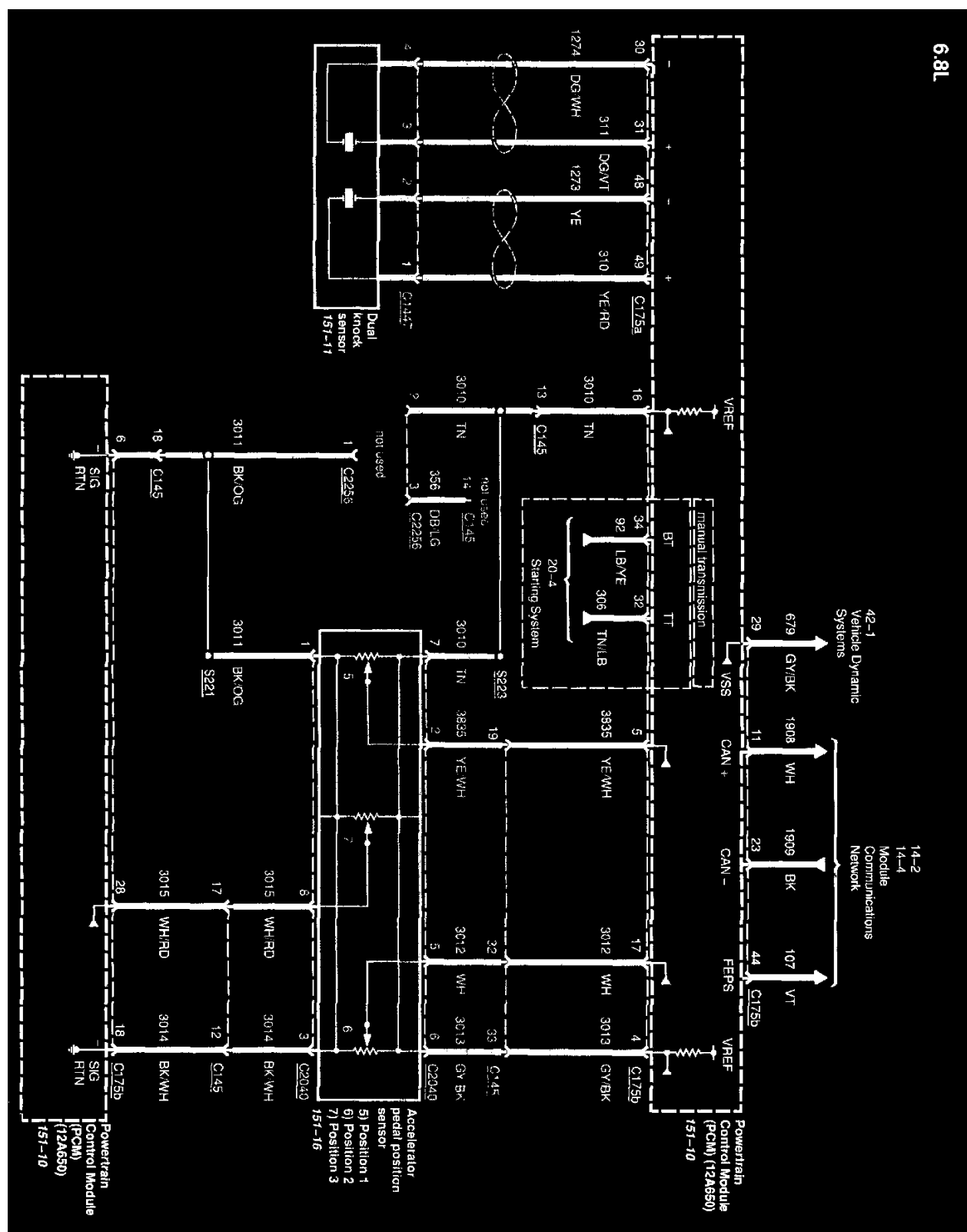


Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

See: Components/Component Location Views

25-8

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

System Diagram

For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Electrical Diagrams/Powertrain Management/System Diagram/Wiring Diagram Index

Data Link Connector

For information regarding diagrams for this component, please refer to Information Bus Diagrams. See: Powertrain Management/Computers and Control Systems/Information Bus/Diagrams/Electrical Diagrams

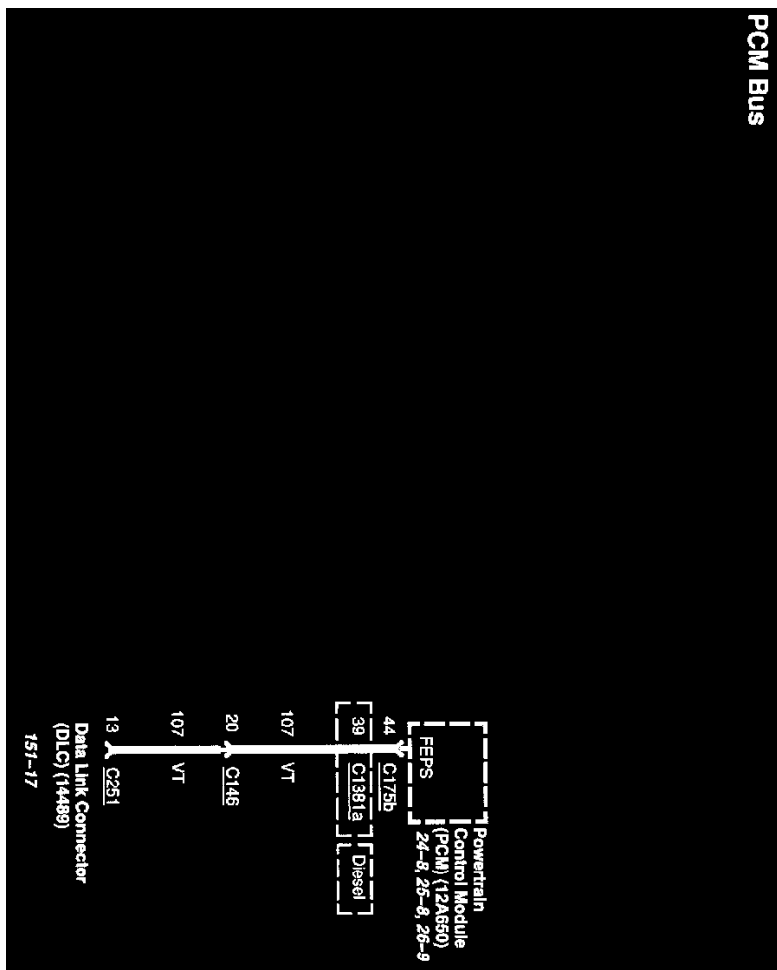
Engine Control Module

For information regarding diagrams for this component, please refer to Powertrain Management Diagrams. See: Electrical Diagrams/Powertrain Management/System Diagram/Wiring Diagram Index

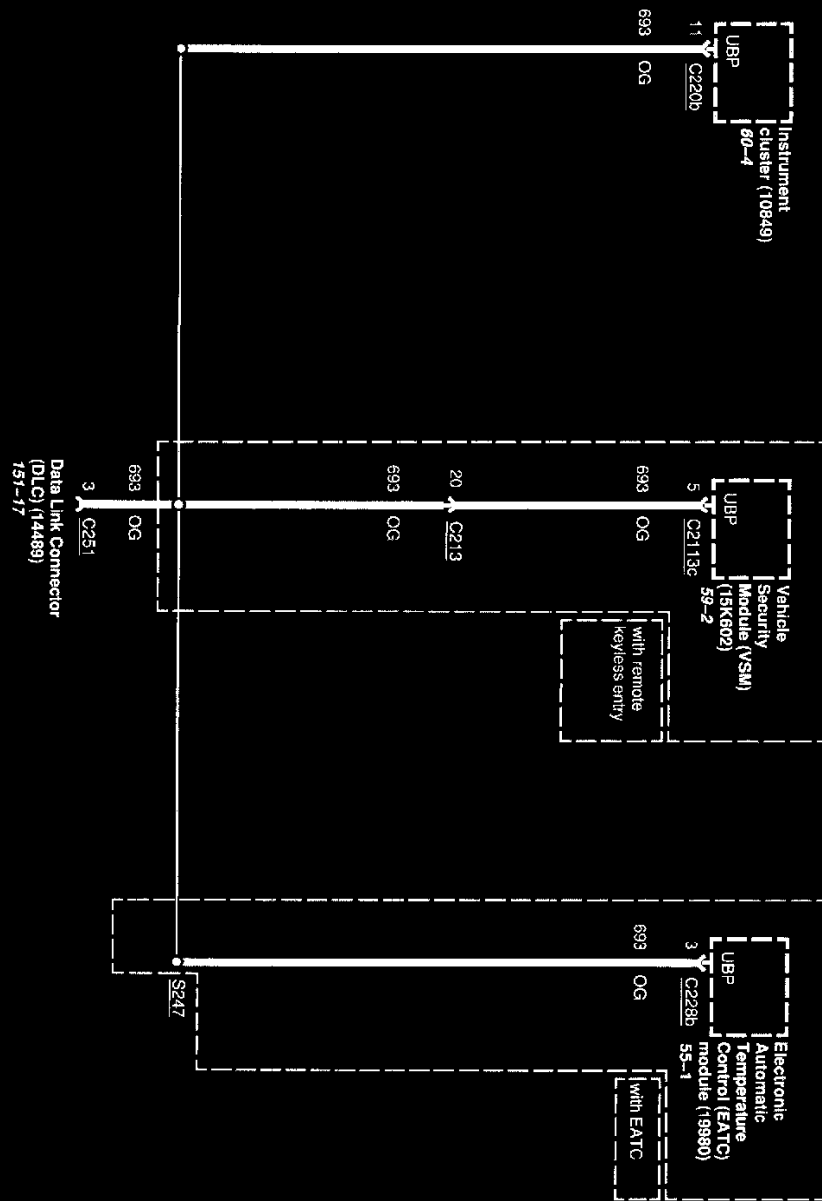
Information Bus

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

[illegible]



UBP Bus



Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

For information regarding diagrams for this system, please refer to Powertrain Management Diagrams. See: Electrical Diagrams/Powertrain Management/System Diagram/Wiring Diagram Index

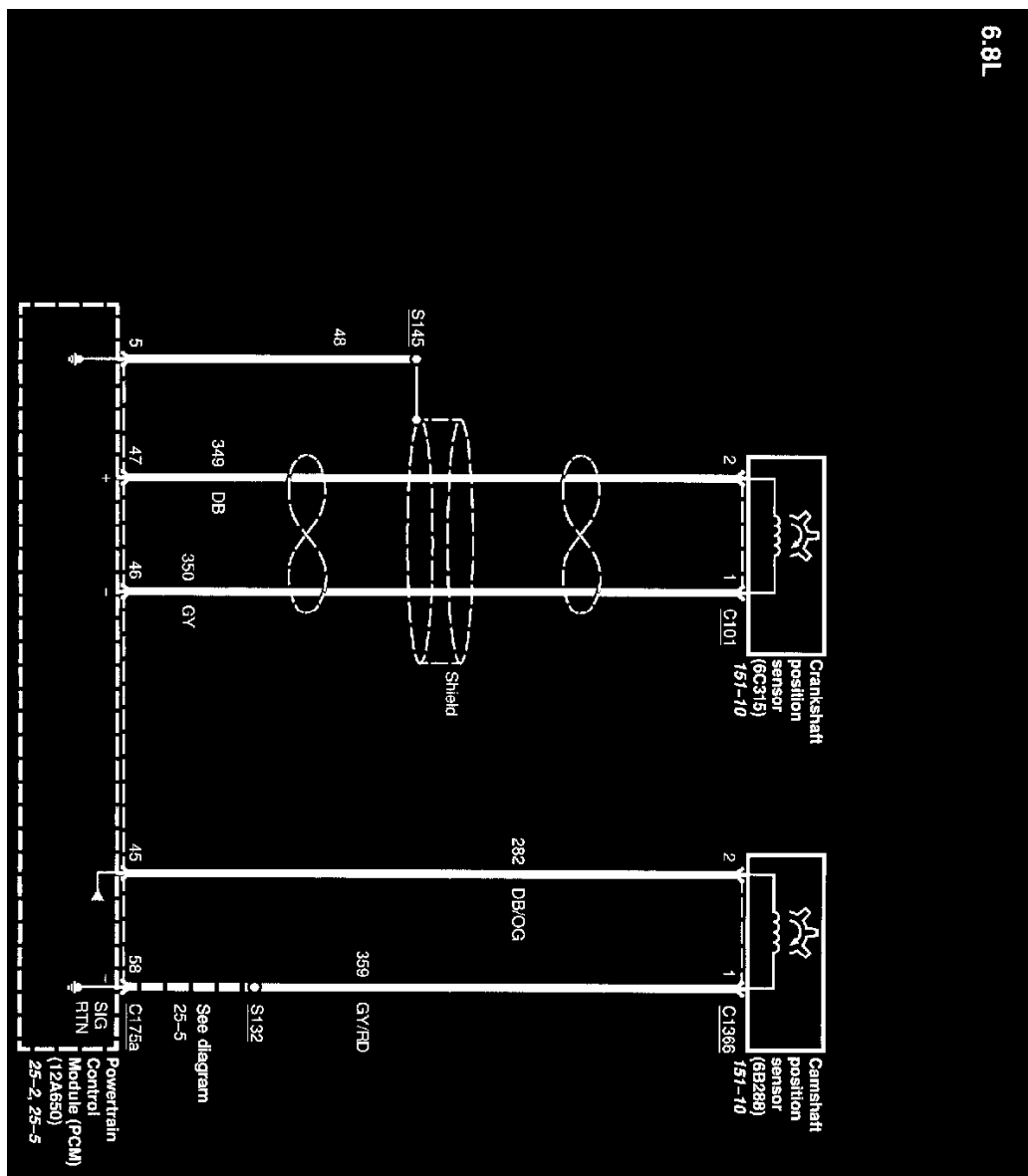
For information regarding diagrams for this system, please refer to Powertrain Management diagrams. See: Electrical Diagrams/Powertrain Management/System Diagram/Wiring Diagram Index

For information regarding diagrams for this component, please refer to Powertrain Management Diagrams. See: Electrical Diagrams/Powertrain Management/System Diagram/Wiring Diagram Index

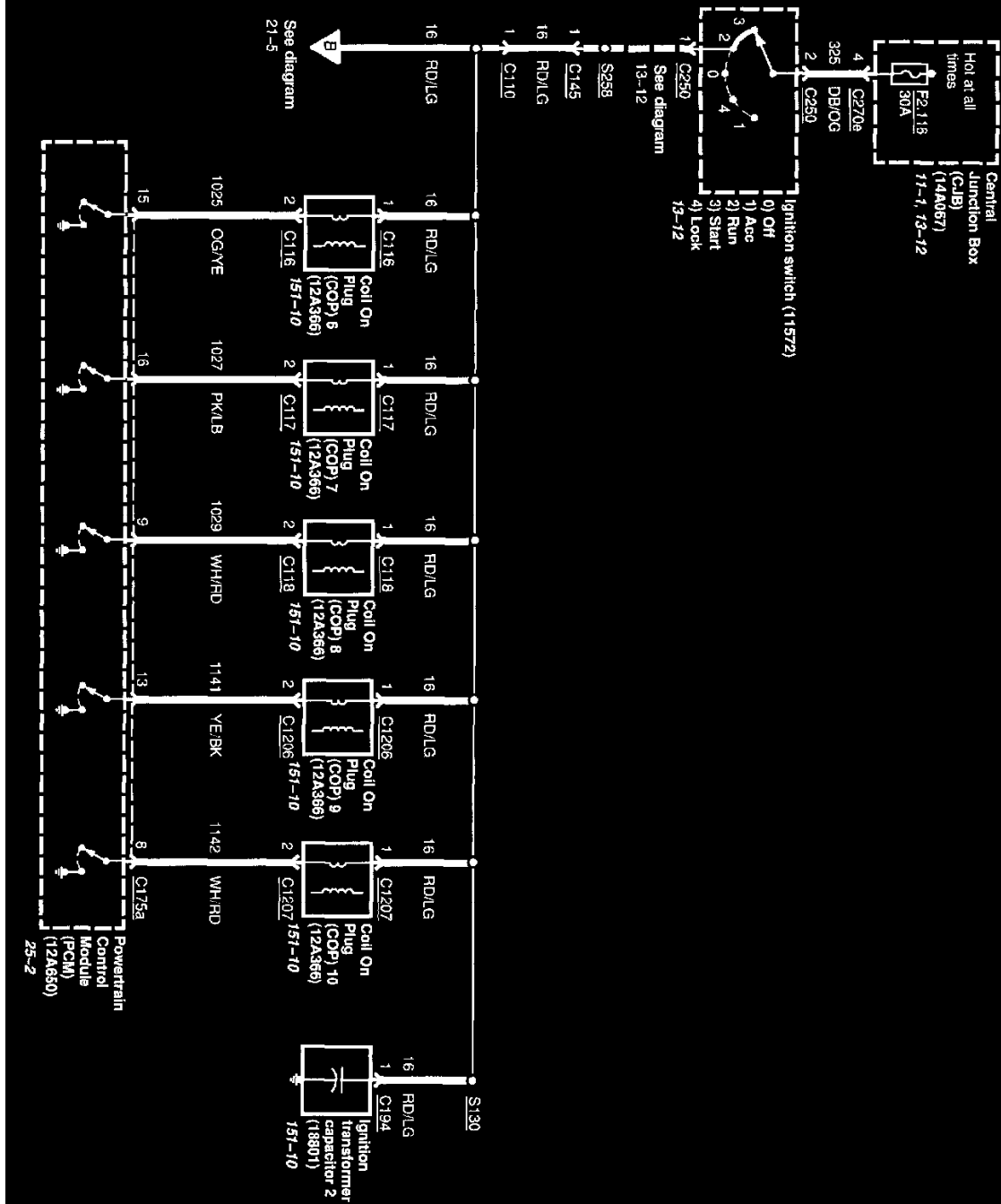
For information regarding diagrams for this component, please refer to Instrument Panel, Gauges and Warning Indicators Diagrams. See: Instrument Panel, Gauges and Warning Indicators/Diagrams/Electrical Diagrams

Ignition System Diagrams

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



6.8L





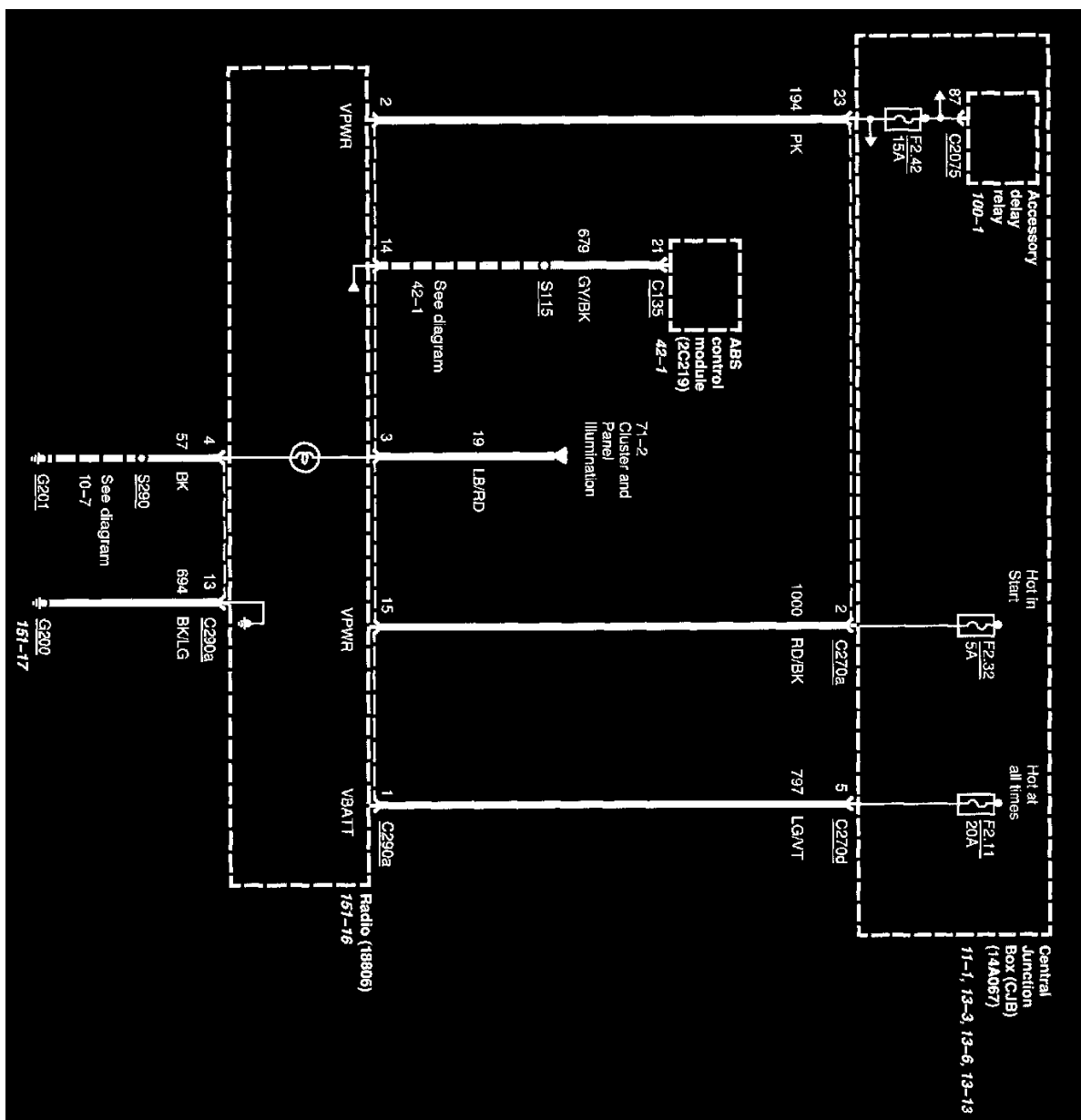
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

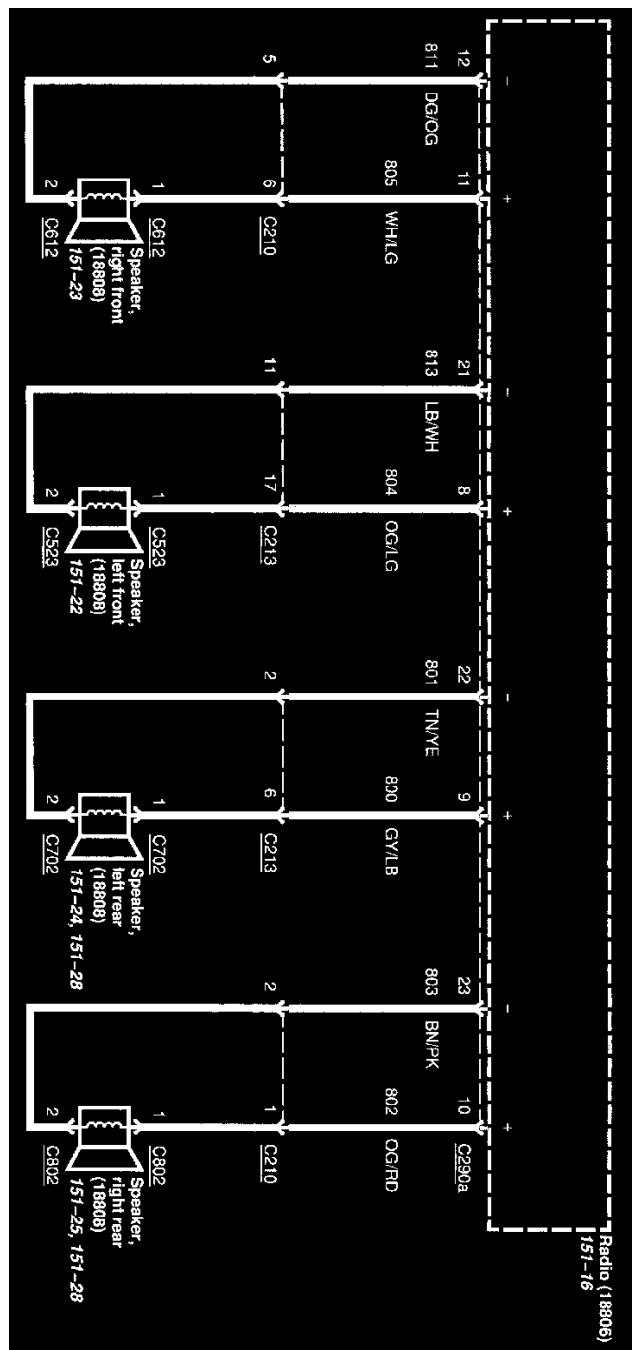
Related Diagrams

Radiator Cooling Fan Motor

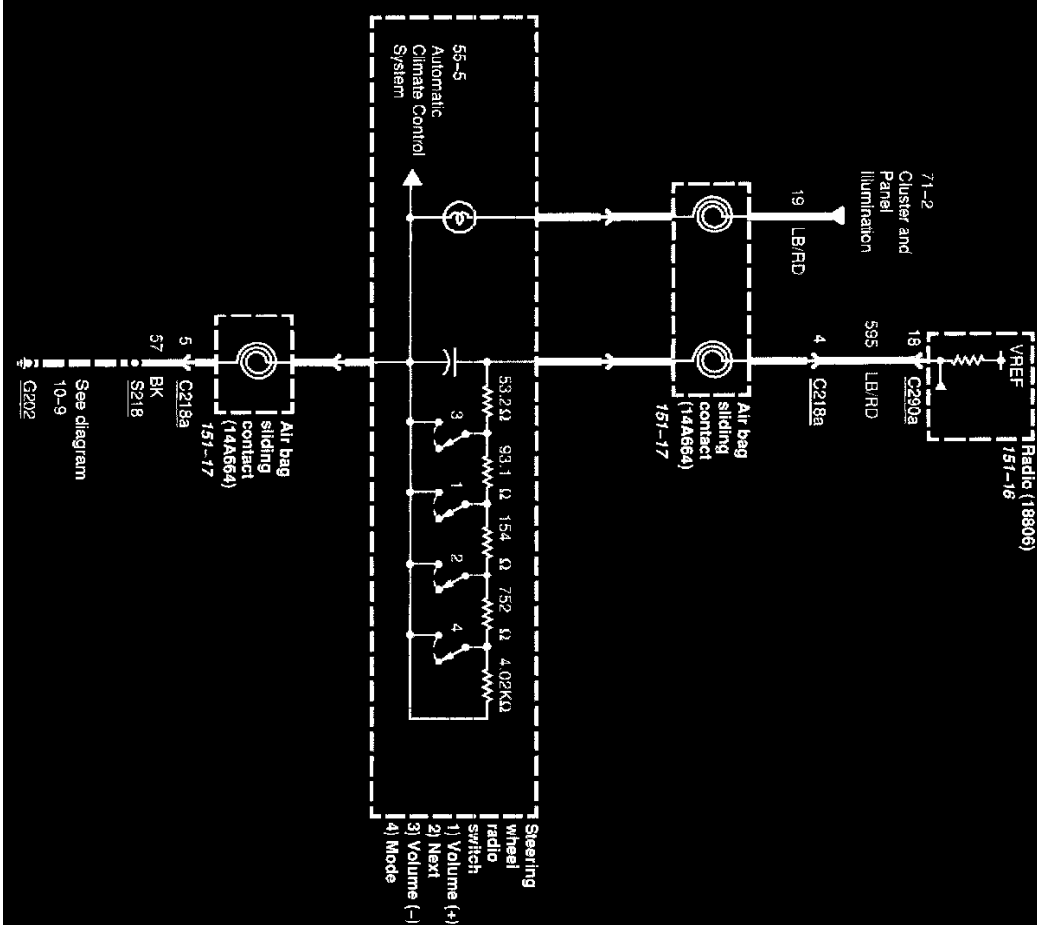
Radio, Stereo, and Compact Disc

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





with steering wheel controls



130-3

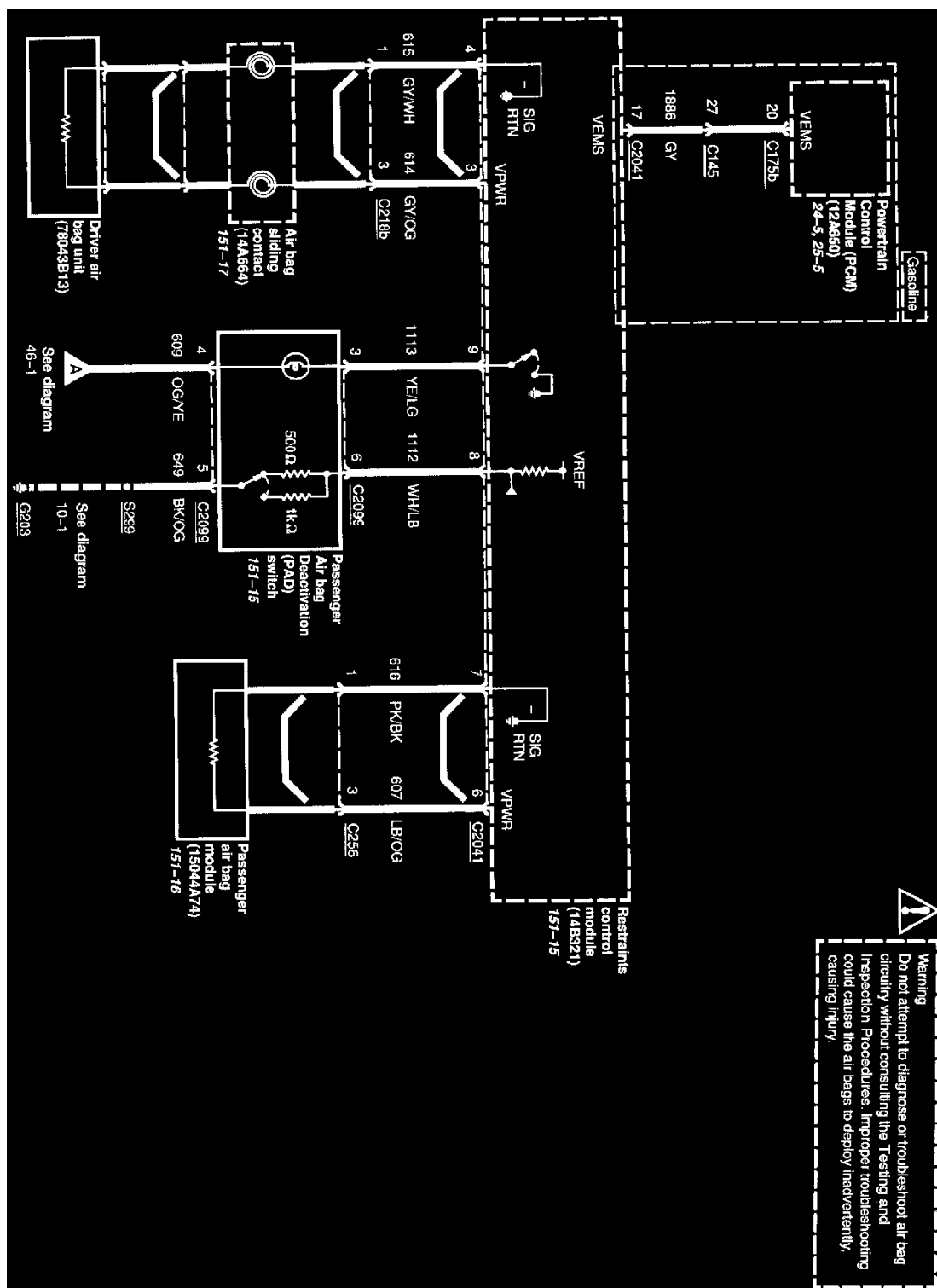
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Seat Belt Systems

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





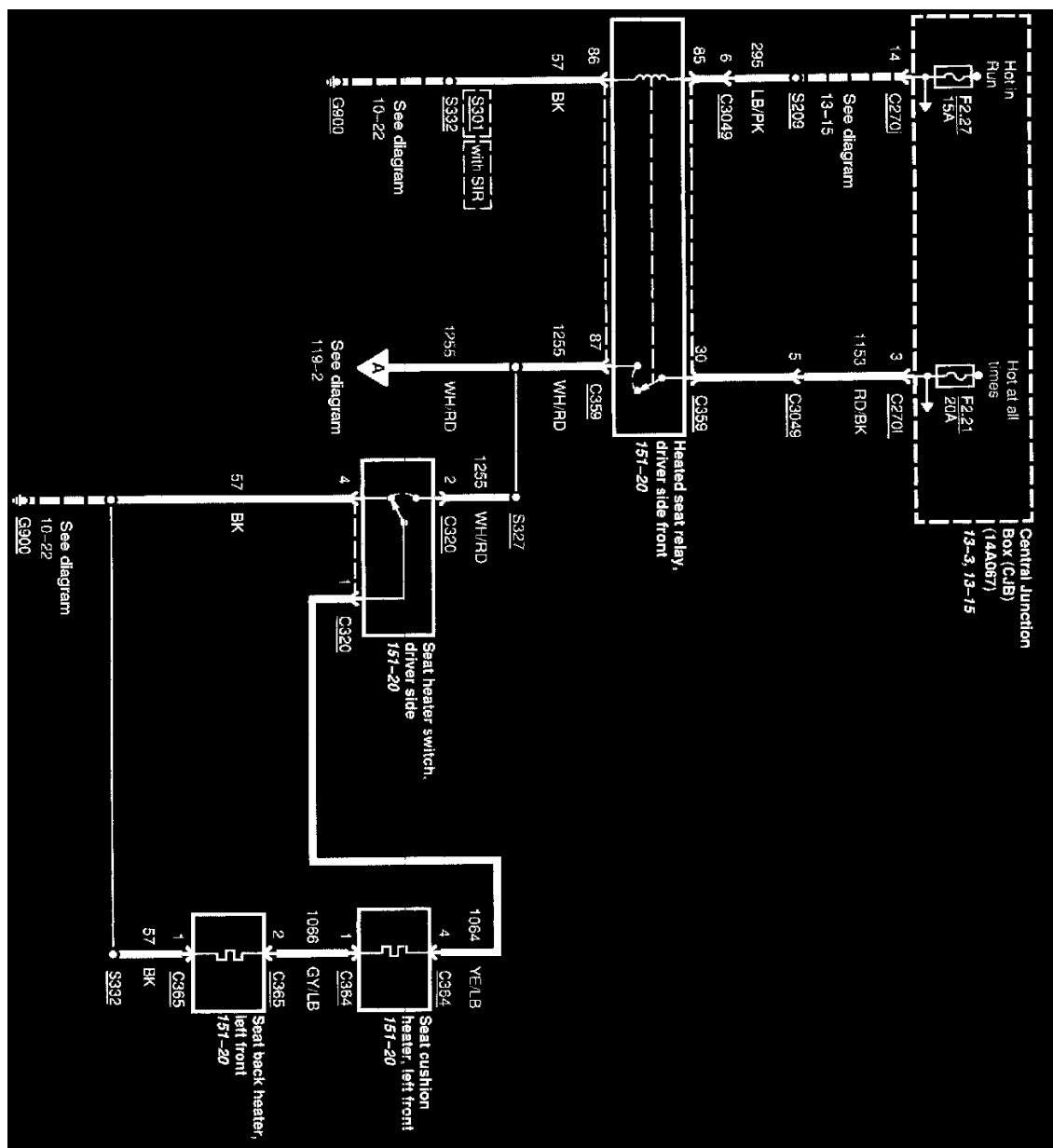
46-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

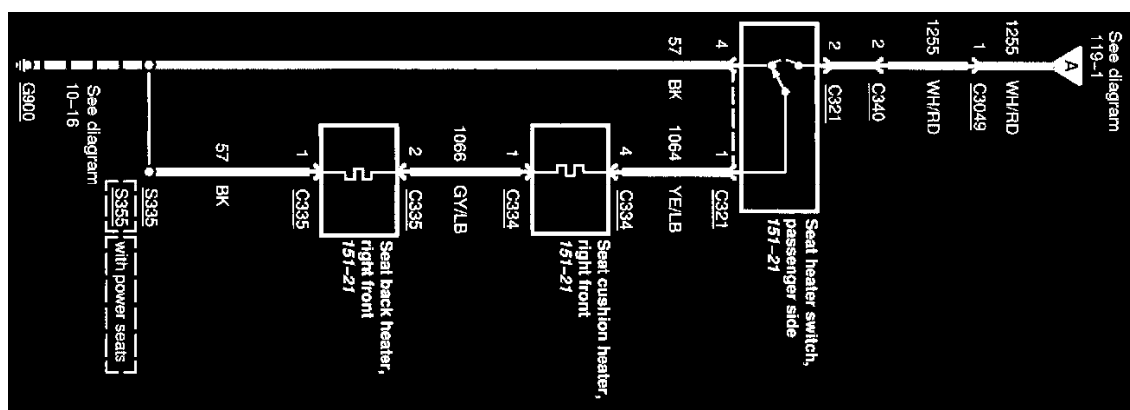
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Climate Controlled Seats

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



119-1



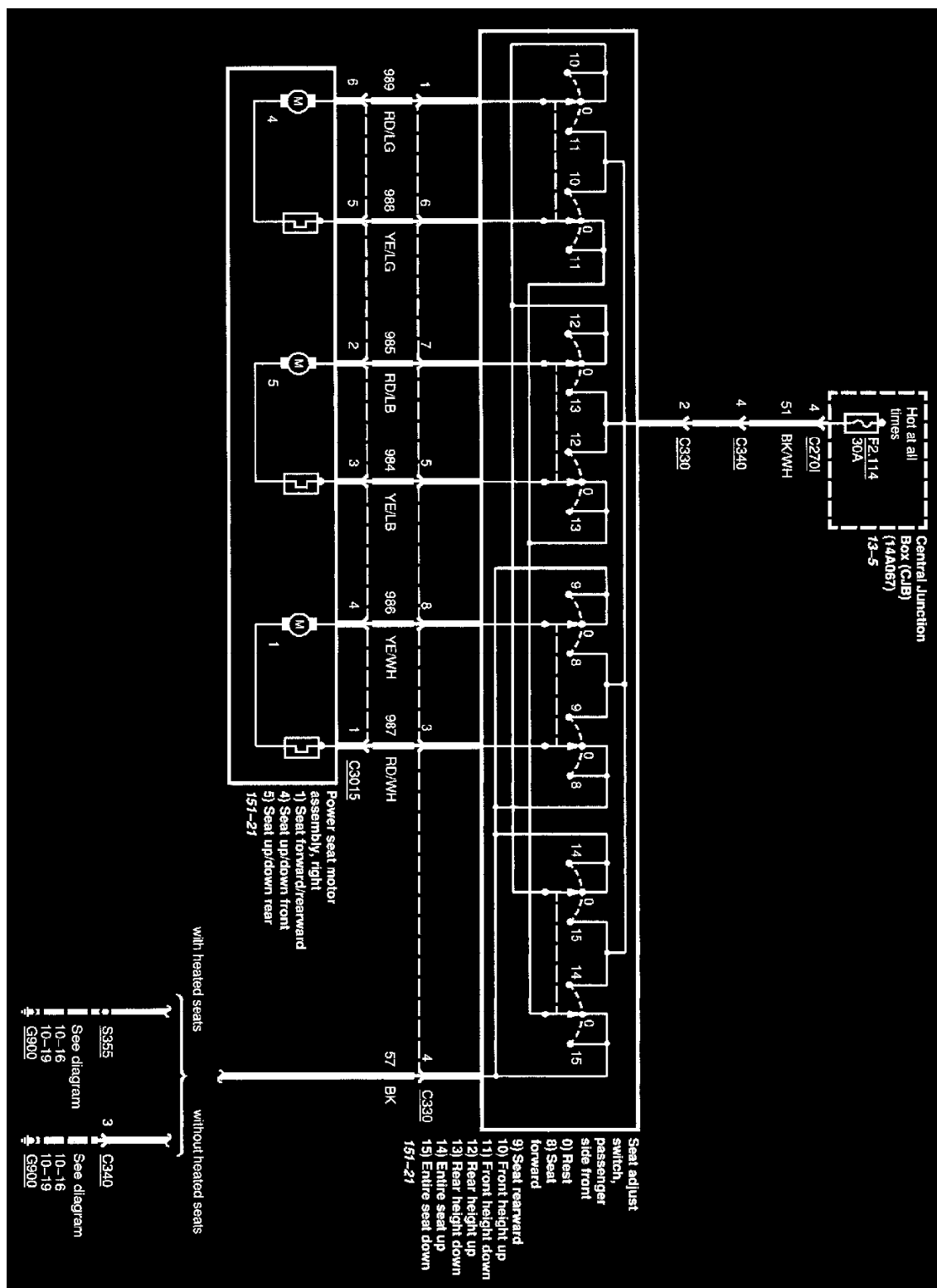
119-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





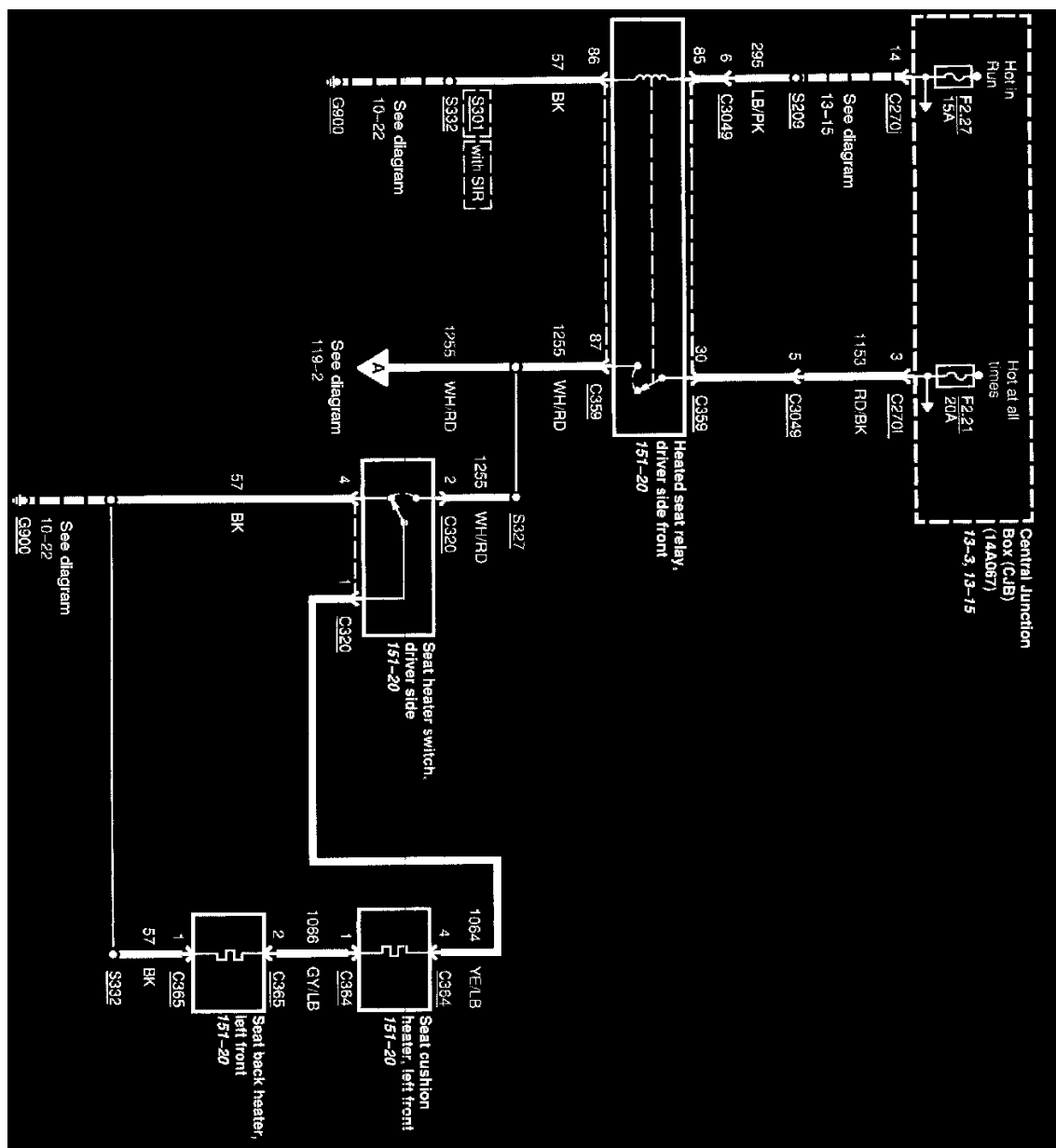
120-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

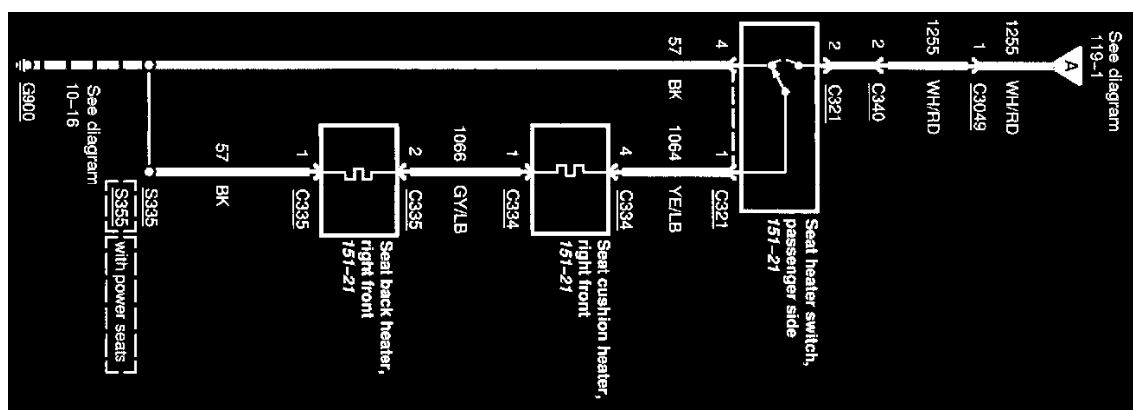
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Seat Heater

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



119-1



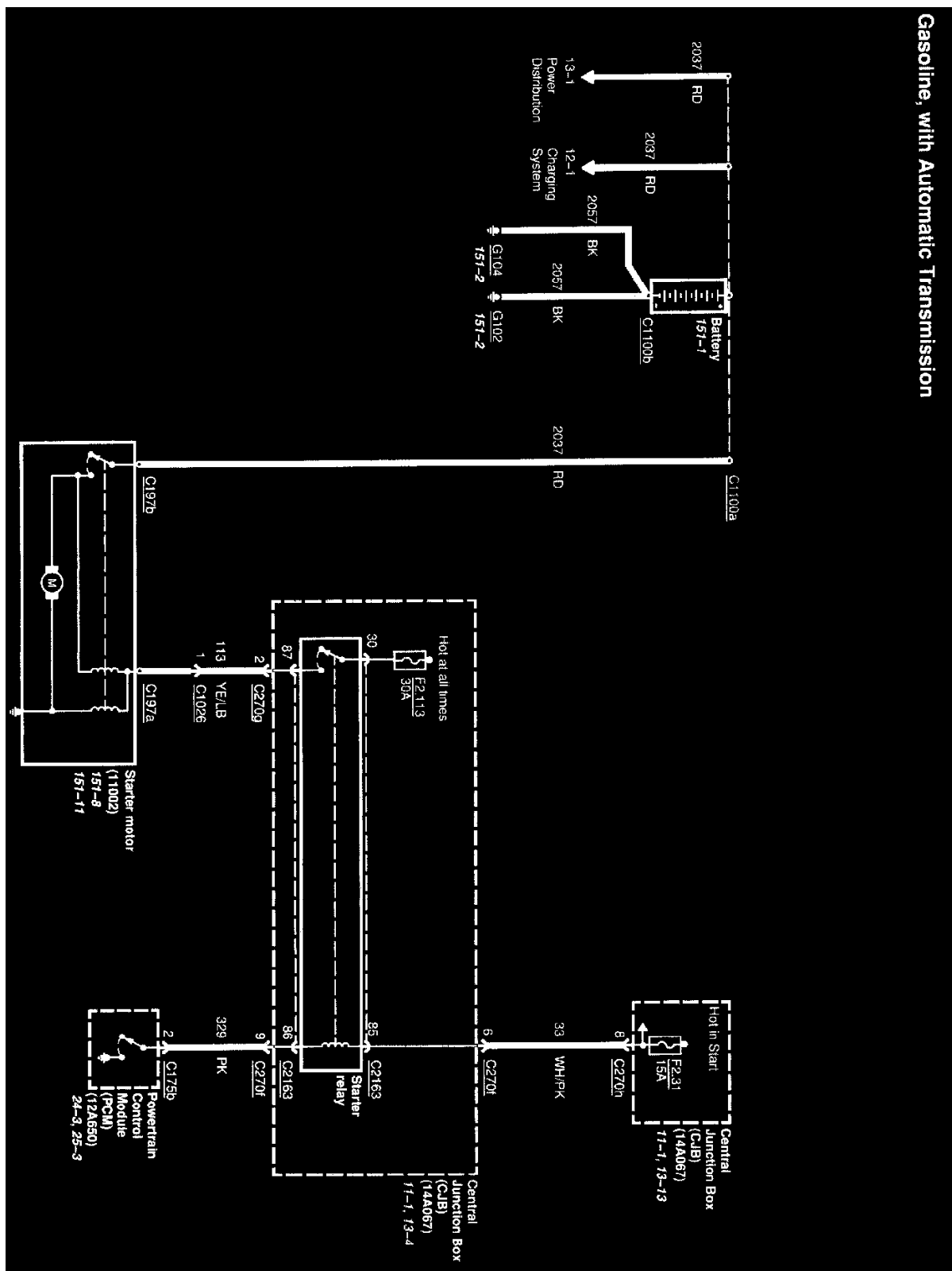
119-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

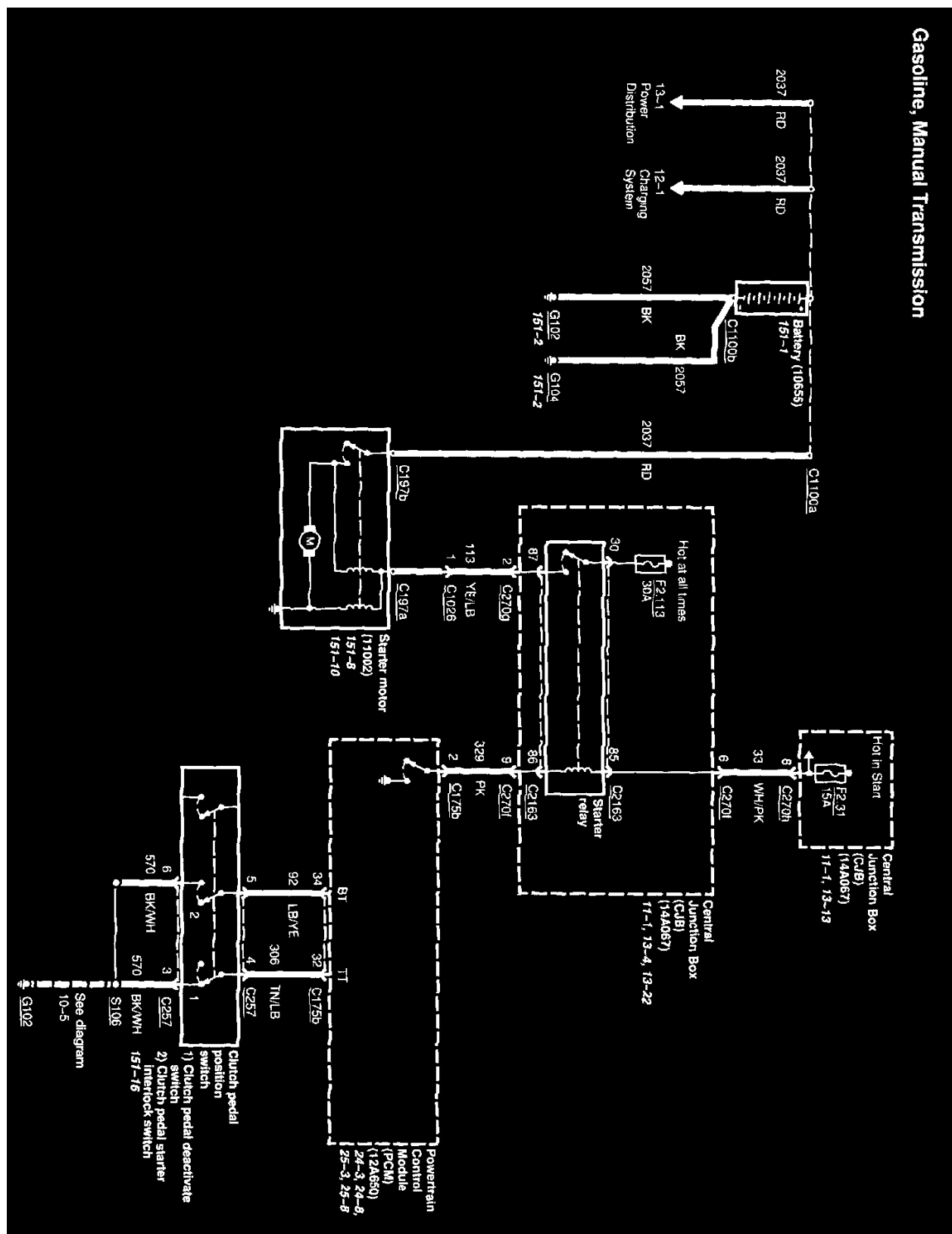
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

System Diagram

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



Gasoline, Manual Transmission



20-4

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

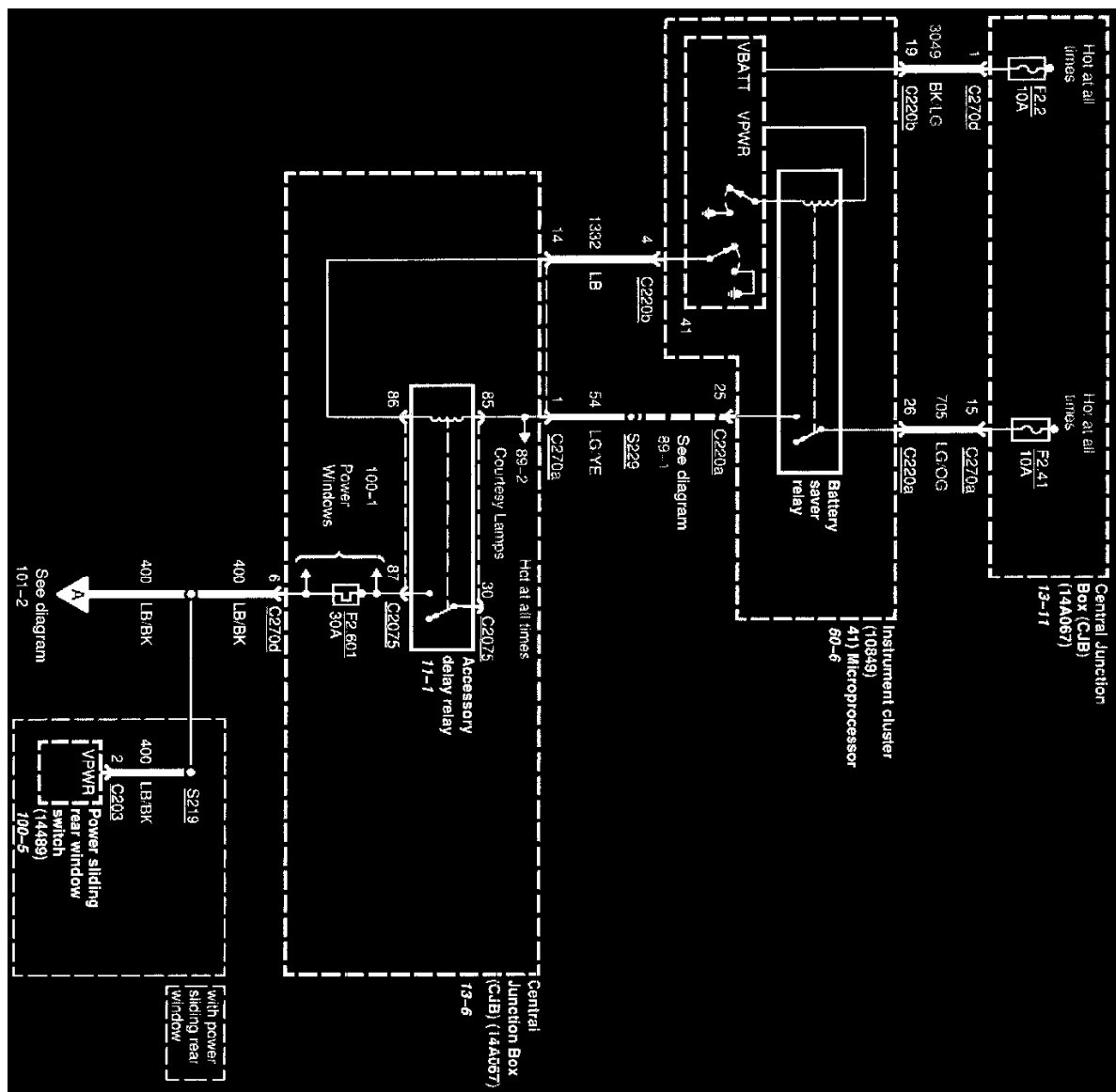
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

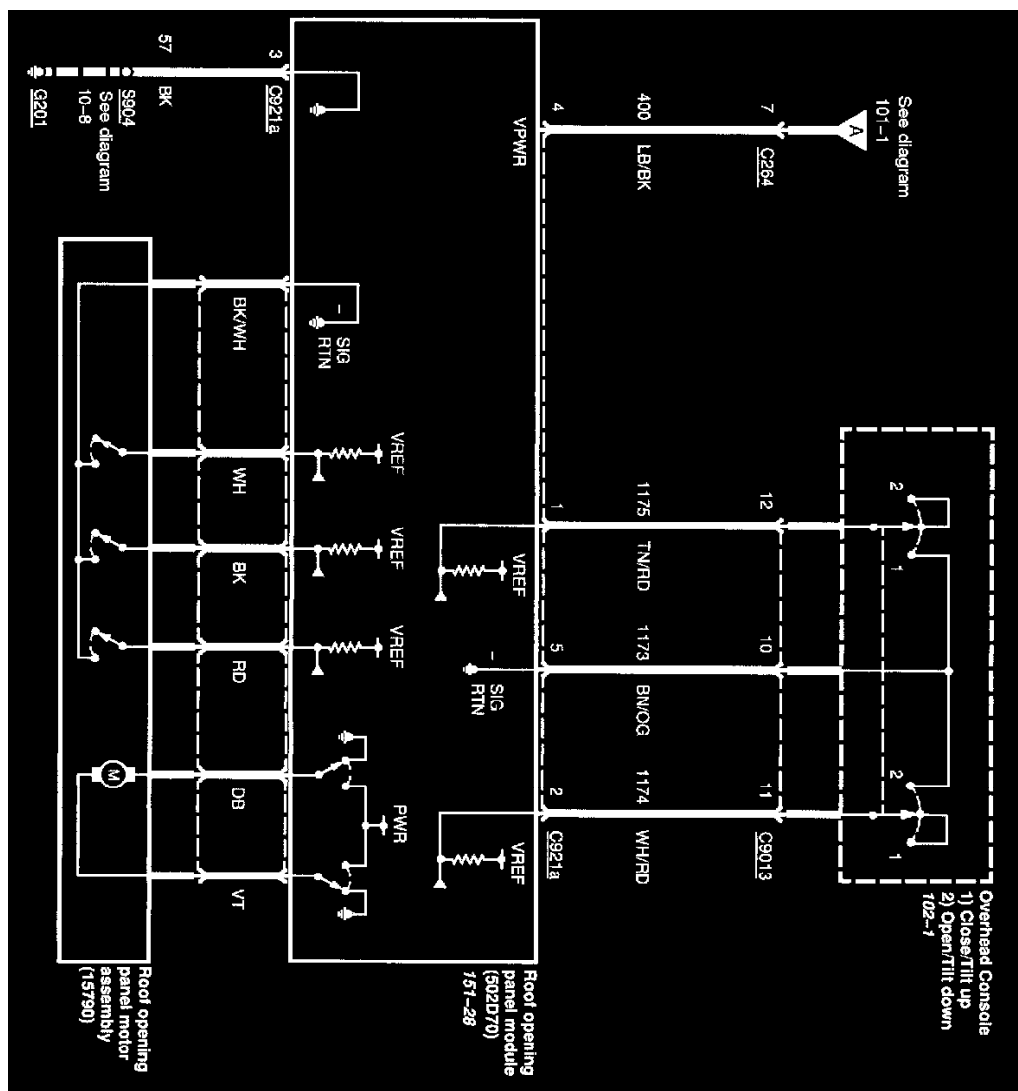
Ignition Switch

For information regarding diagrams for this component, please refer to Power and Ground Distribution Diagrams. See: Electrical Diagrams/Power and Ground Distribution/System Diagram/Power Distribution Diagrams/Wiring Diagram Index

Sunroof / Moonroof

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





101-2

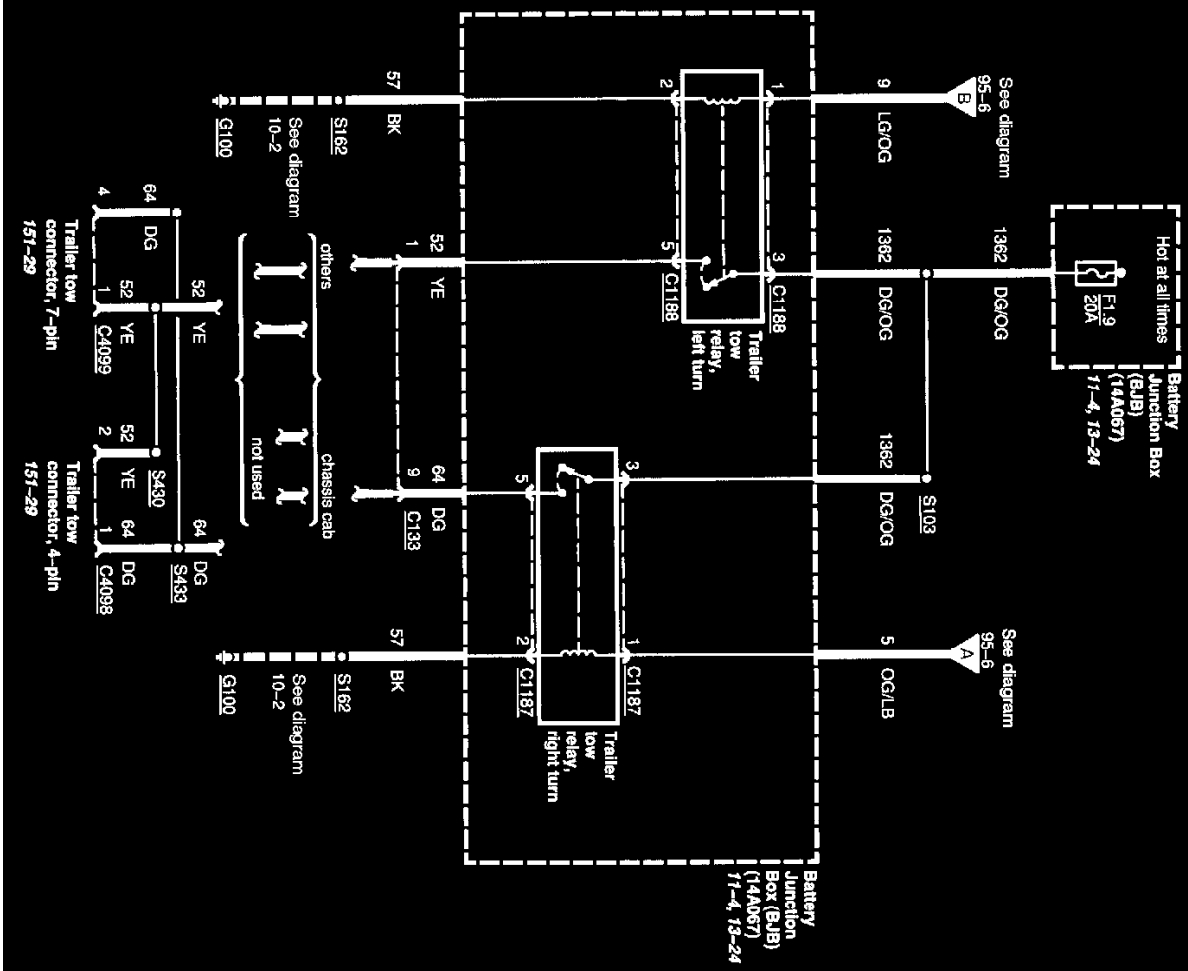
Diagrams: Other diagrams referred to by number (See Diagram #-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

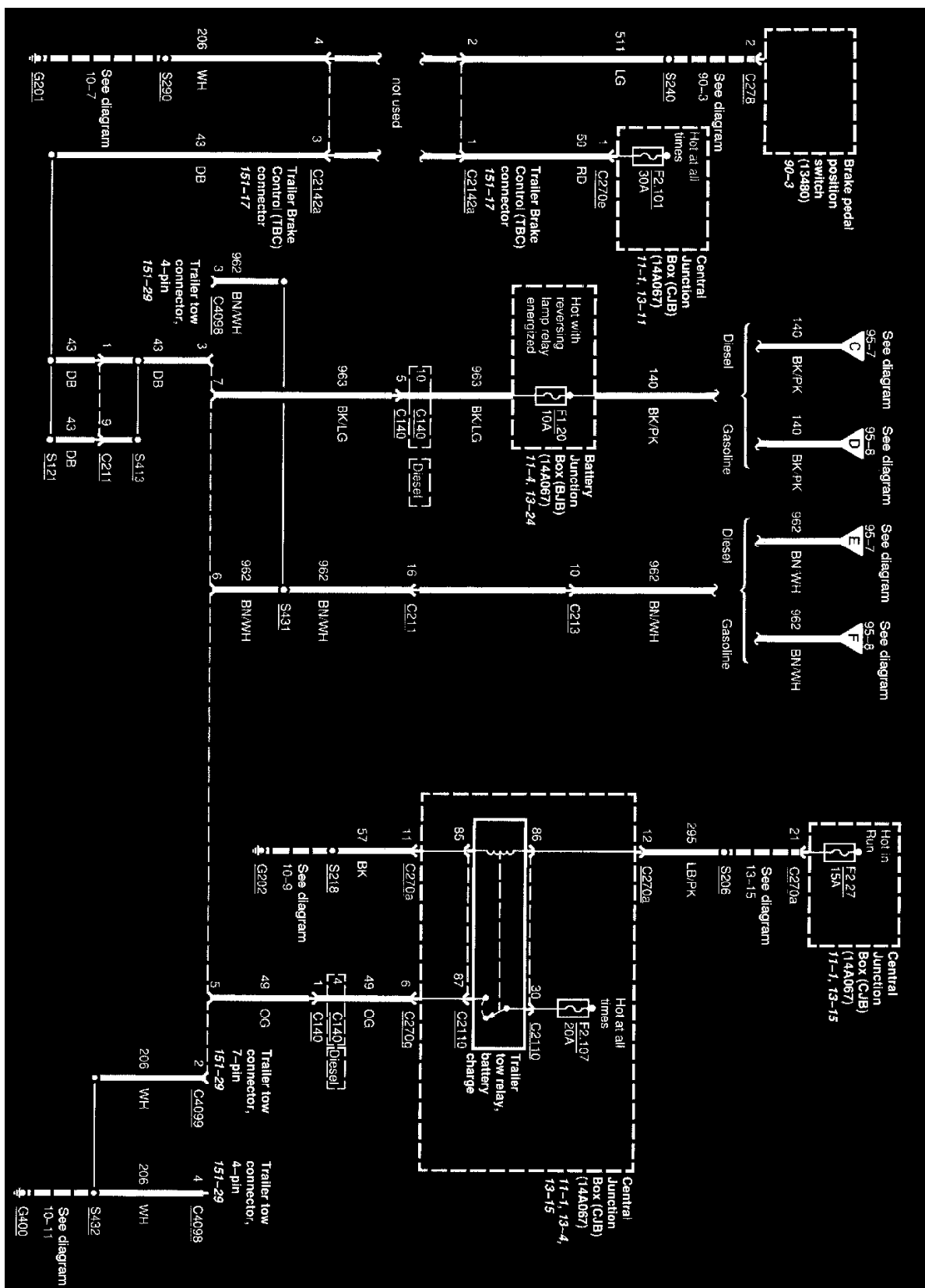
Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Trailer Connector

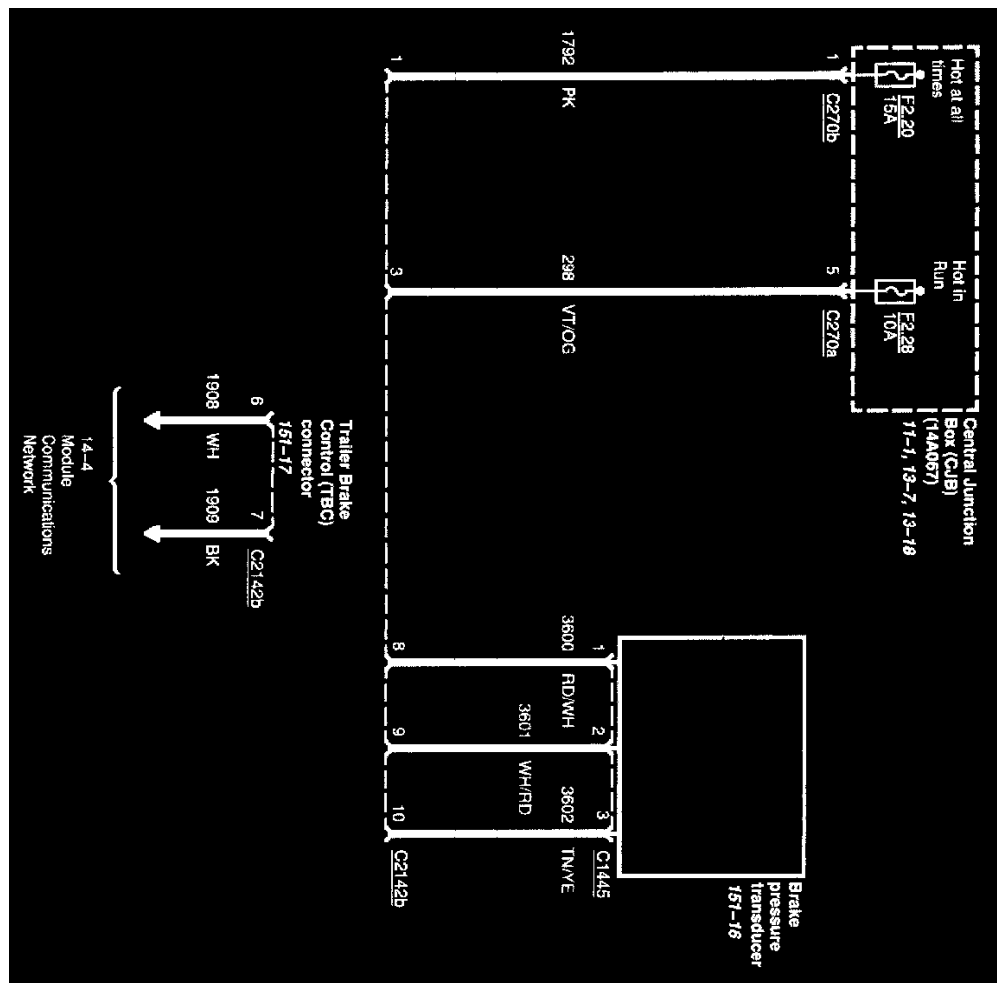
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

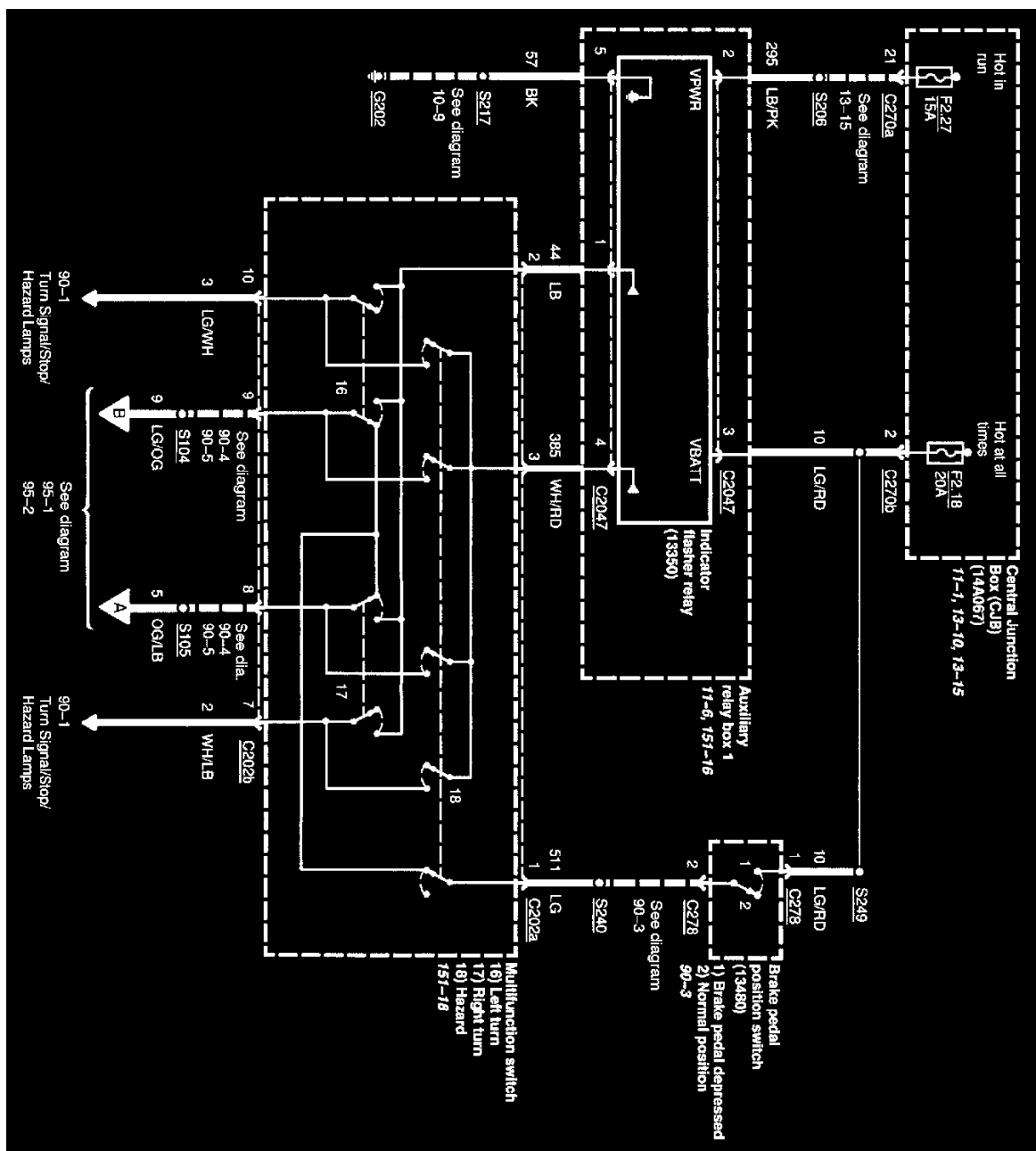
Gasoline





[illegible]





95-8

Central Junction Box
(CJB) (14A067)
11-1, 13-7, 13-10, 13-11, 13-18



[illegible]

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.
See: Components/Component Location Views

Intermediate Shaft Speed Sensor	29-1
Output Shaft Speed (OSS) Sensor	29-1
Pressure Control (PC-A) Solenoid	29-3
Shift Solenoid Pressure Control A (SSPC-A)	29-3
Shift Solenoid Pressure Control B (SSPC-B)	29-3
Shift Solenoid Pressure Control C (SSPC-C)	29-3
Shift Solenoid Pressure Control D (SSPC-D)	29-3
Shift Solenoid Pressure Control E (SSPC-E)	29-3
Speed Sensor Assembly	29-1
Torque Converter Clutch (TCC) Solenoid	29-3
Tow/haul Switch	29-1
Transmission Fluid Temperature (TFT) Sensor	29-2
Transmission Range Sensor Assembly (TRP)	29-3
Turbine Shaft Speed Sensor	29-1

29-1

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

The Tow/Haul switch is a momentary contact switch which provides a signal to the PCM when pressed, resulting in a change in shift and TCC scheduling. When the switch has been pressed, the Transmission Control Indicator Lamp (TCIL) located on the left side of the IP will illuminate. Tow/Haul ON.

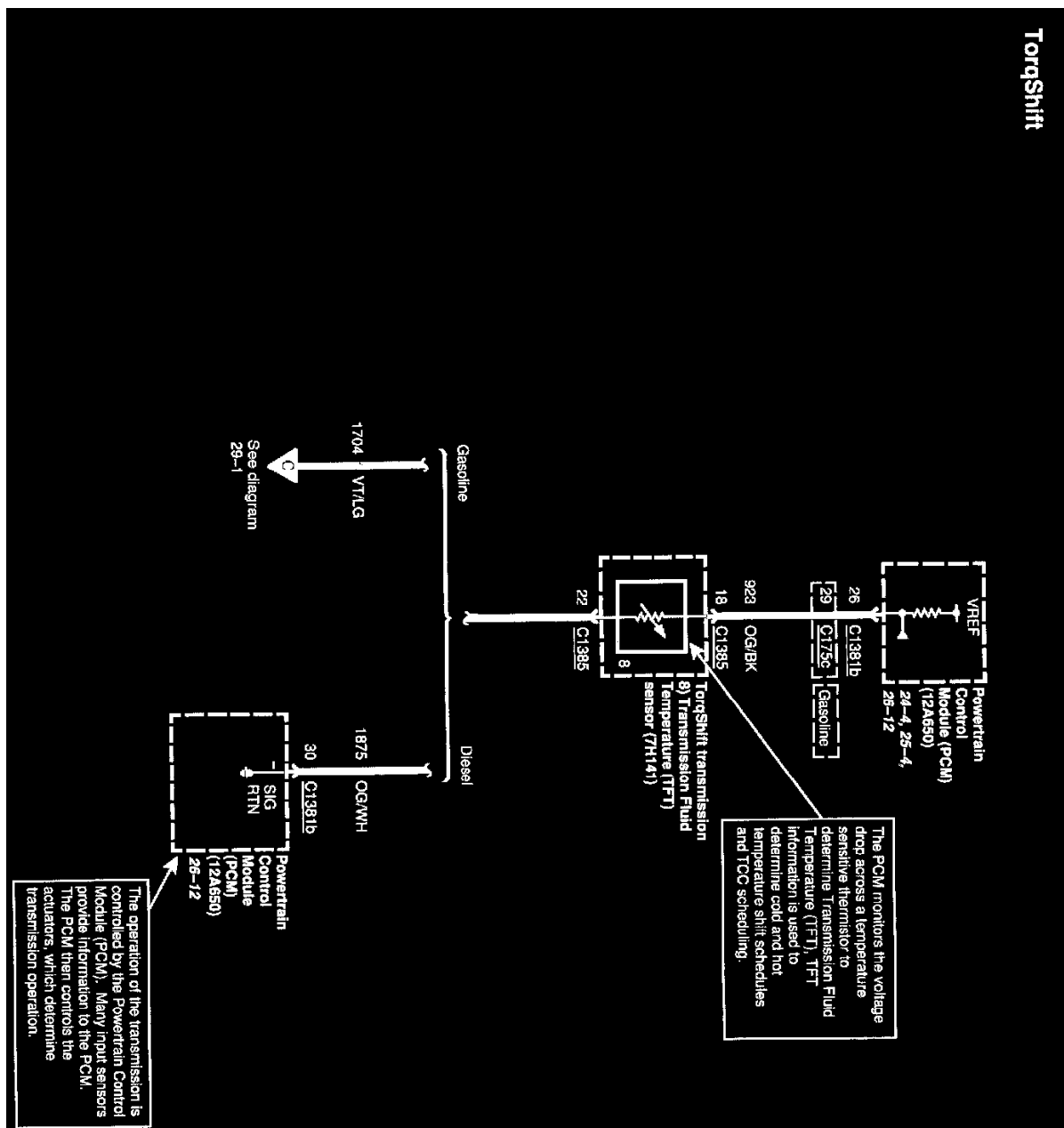
When the switch is pressed again, Tow/Haul will be deactuated and lamp will turn off.



Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**.

29-2

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



29-2

Previous Diagram See: Electrical Diagrams/Transmission Control Systems/29-1

Diagrams: Other diagrams referred to by number (See Diagram ###, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

29-3

PLEA

not apply to the vehicle model selected.

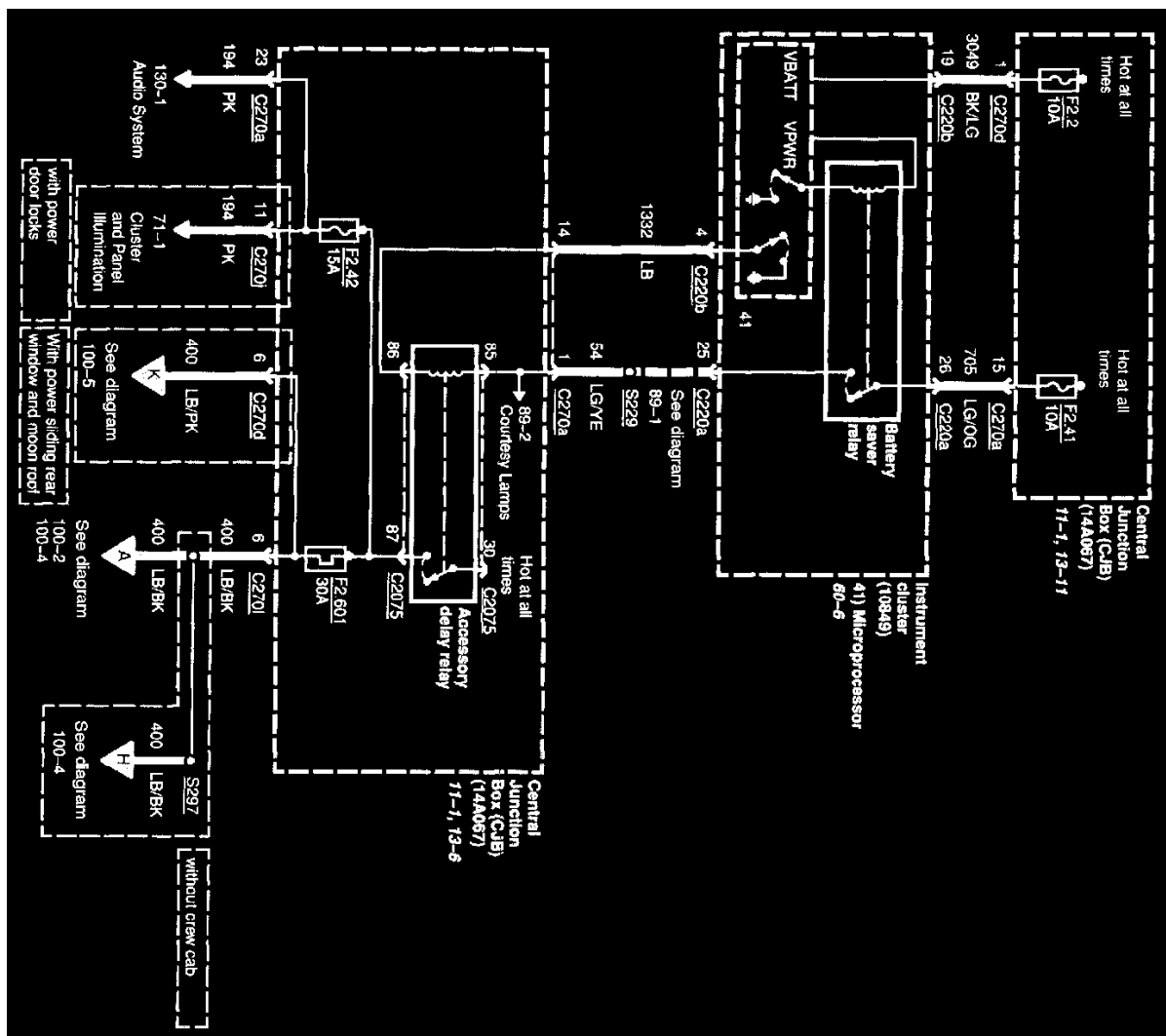


Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

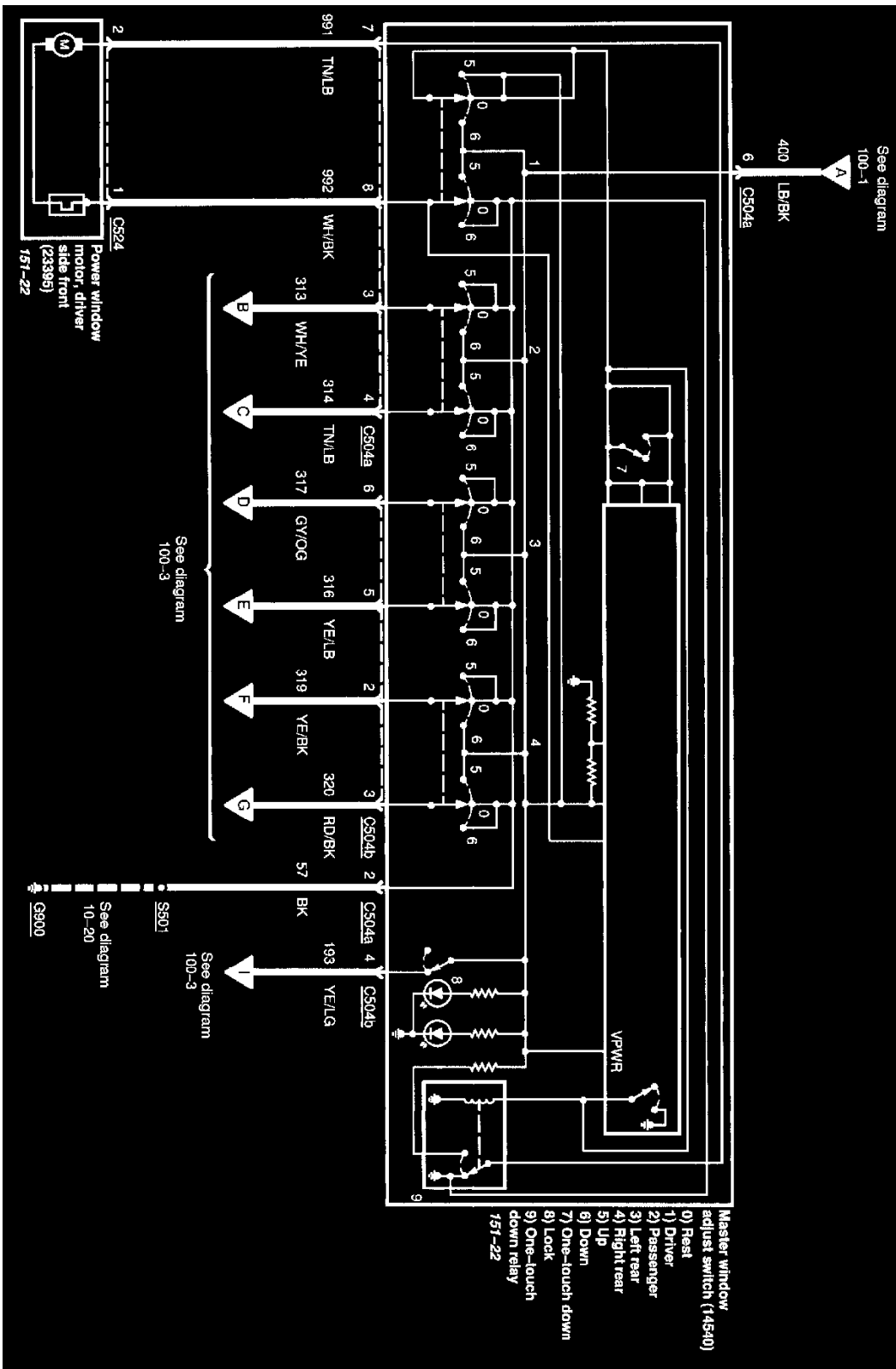
See: Components/Component Location Views

Windows

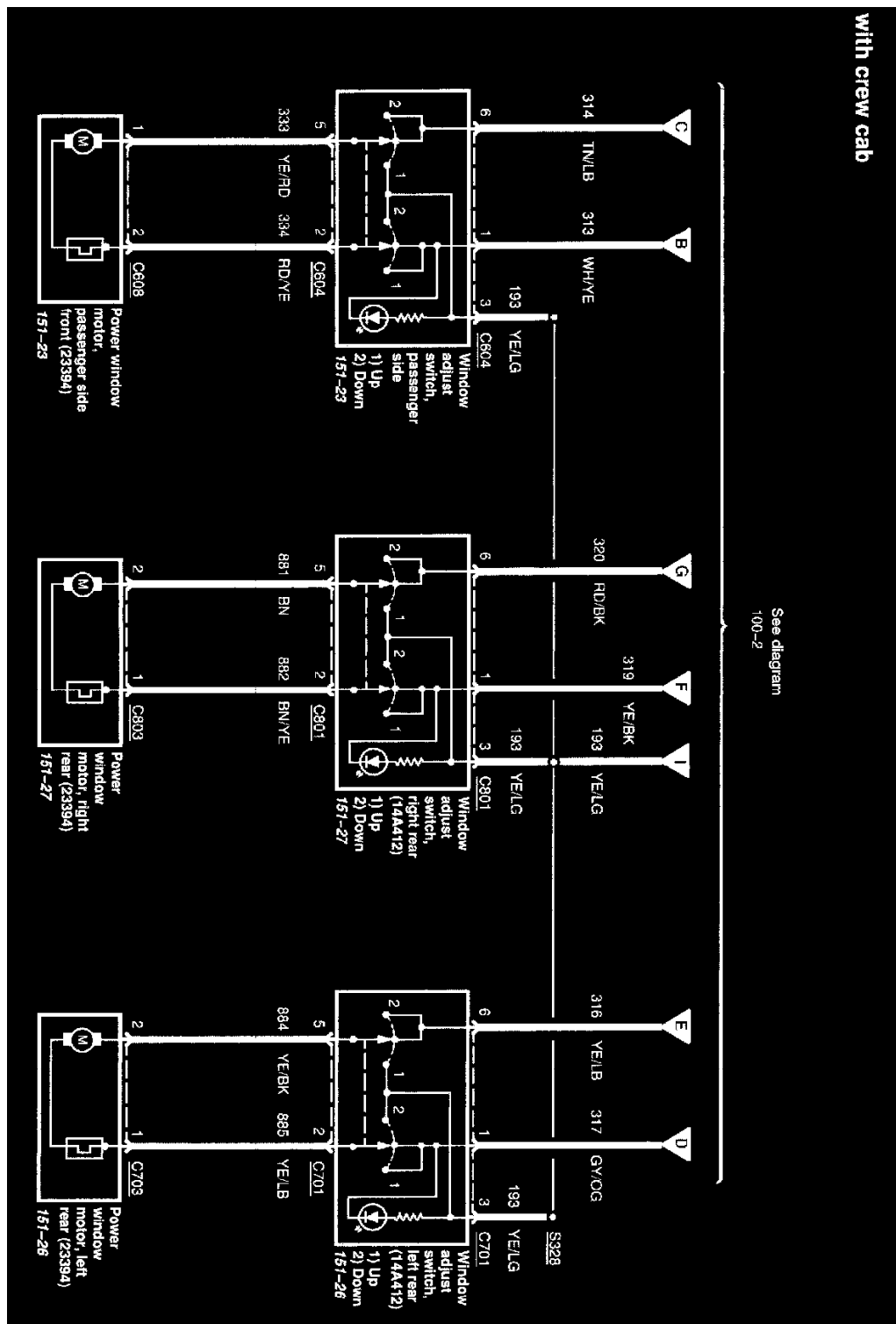
PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.



with crew cab

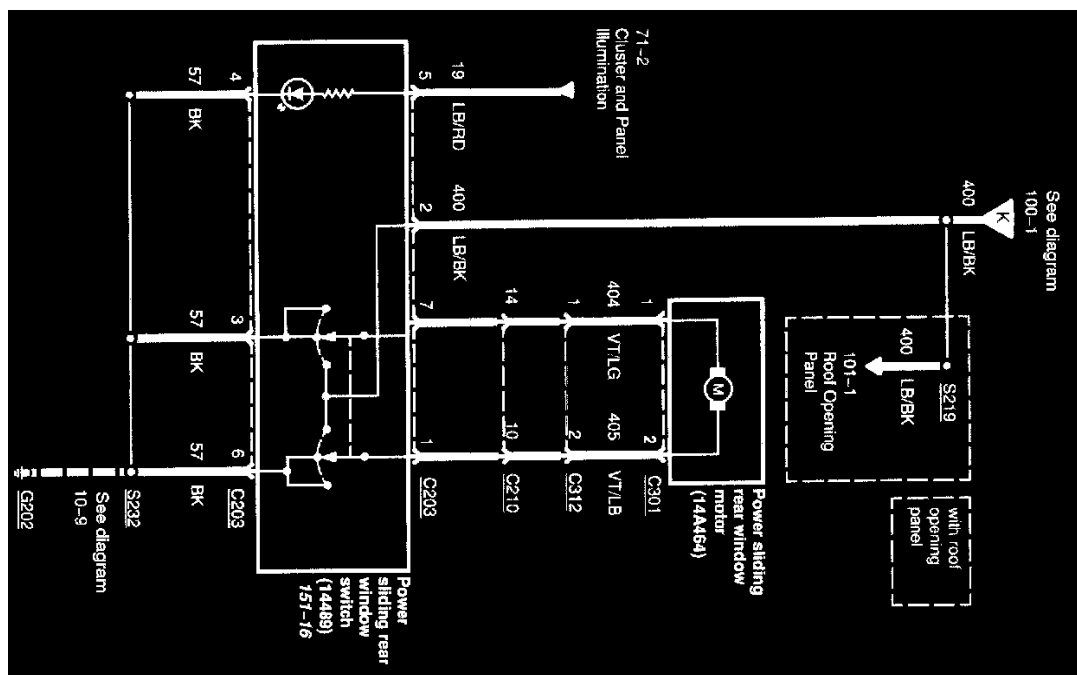


with crew cab



See diagram
100-1





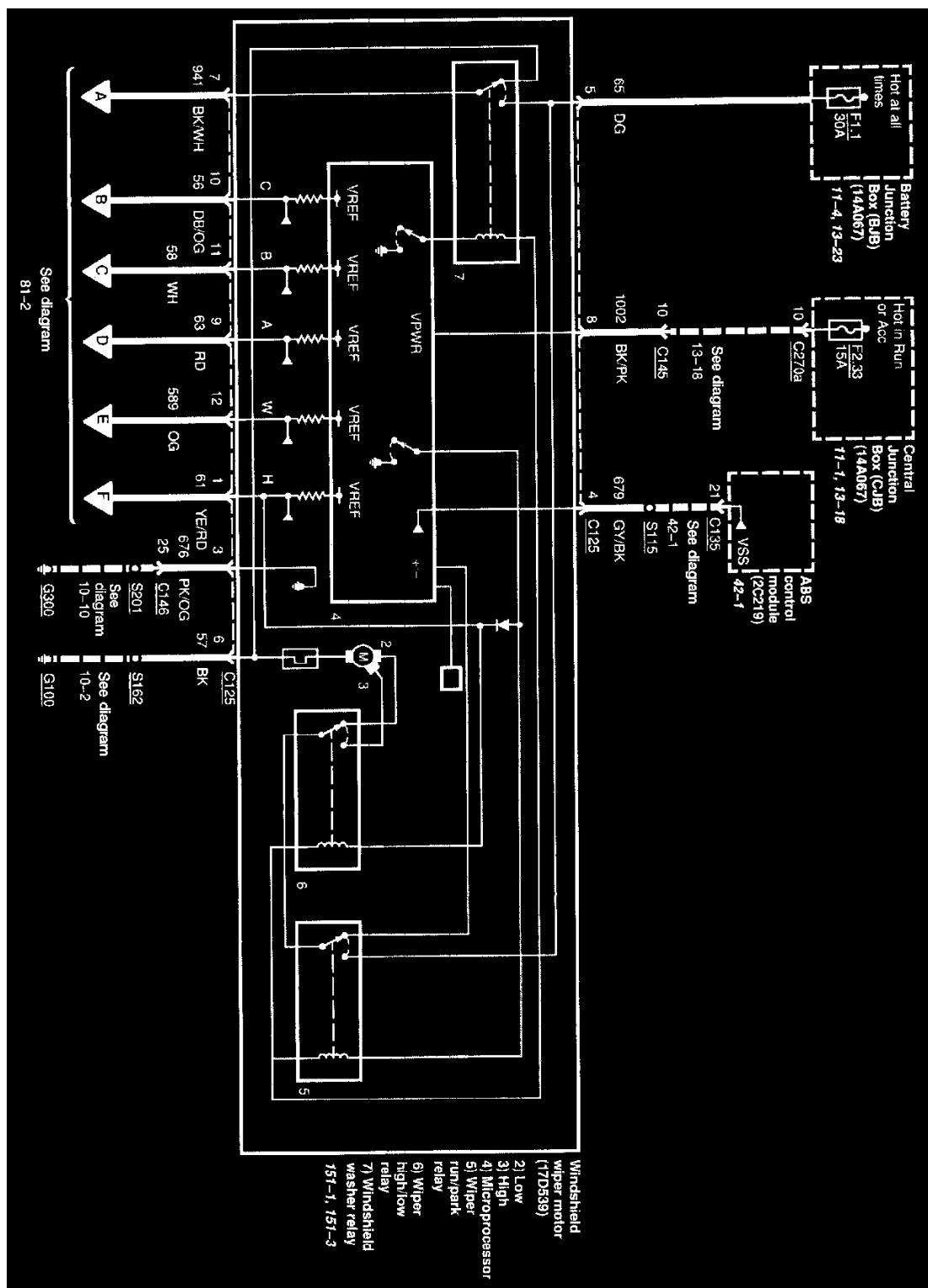
100-5

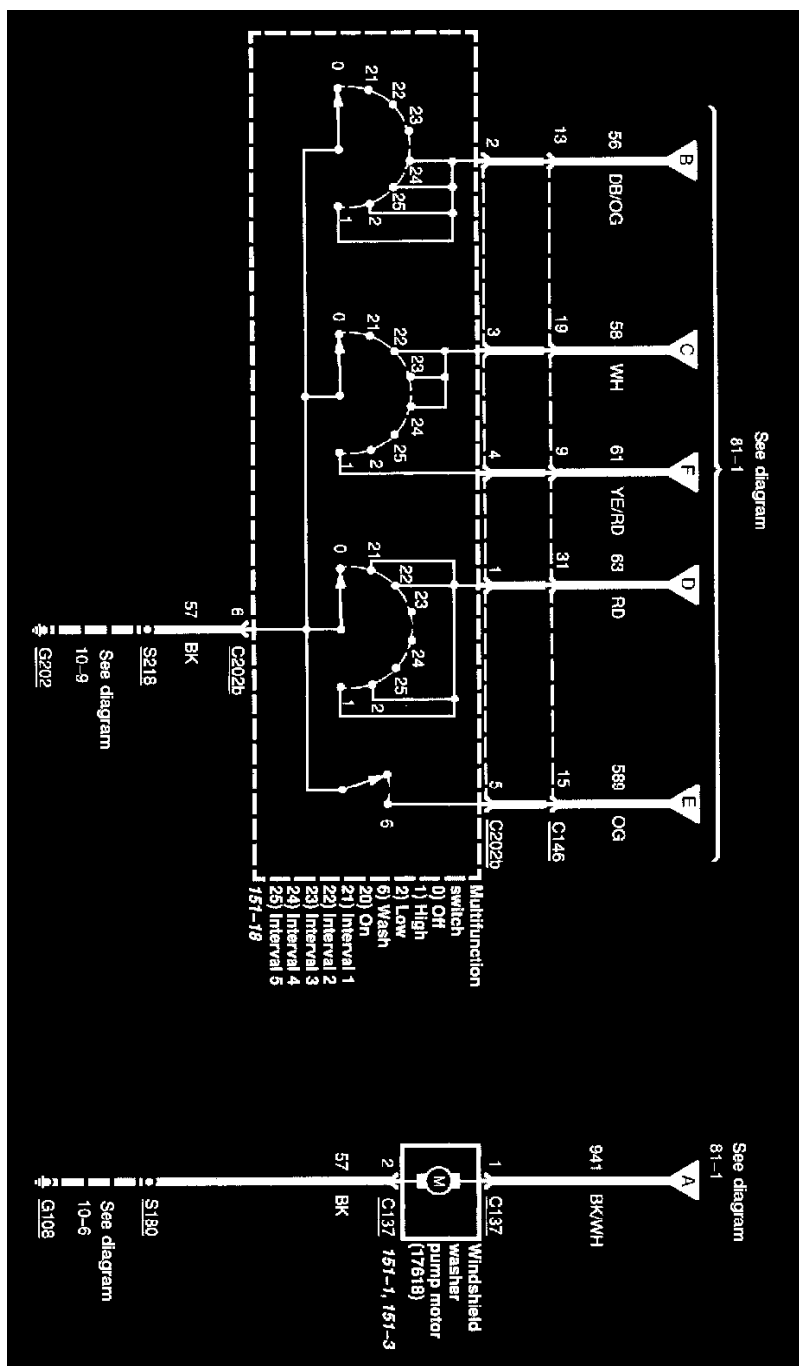
Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Wiper and Washer Systems

PLEASE NOTE: Some diagrams may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.





81-2

Diagrams: Other diagrams referred to by number (See Diagram ##-#, etc.) within these diagrams can be found at **Diagrams By Number**. See: Electrical Diagrams/Diagrams By Number

Locations: Location Views (reference numbers starting with 151-) referred to within these diagrams can be found at **Component Location Views**. See: Components/Component Location Views

Body and Frame

Body Cutaway View

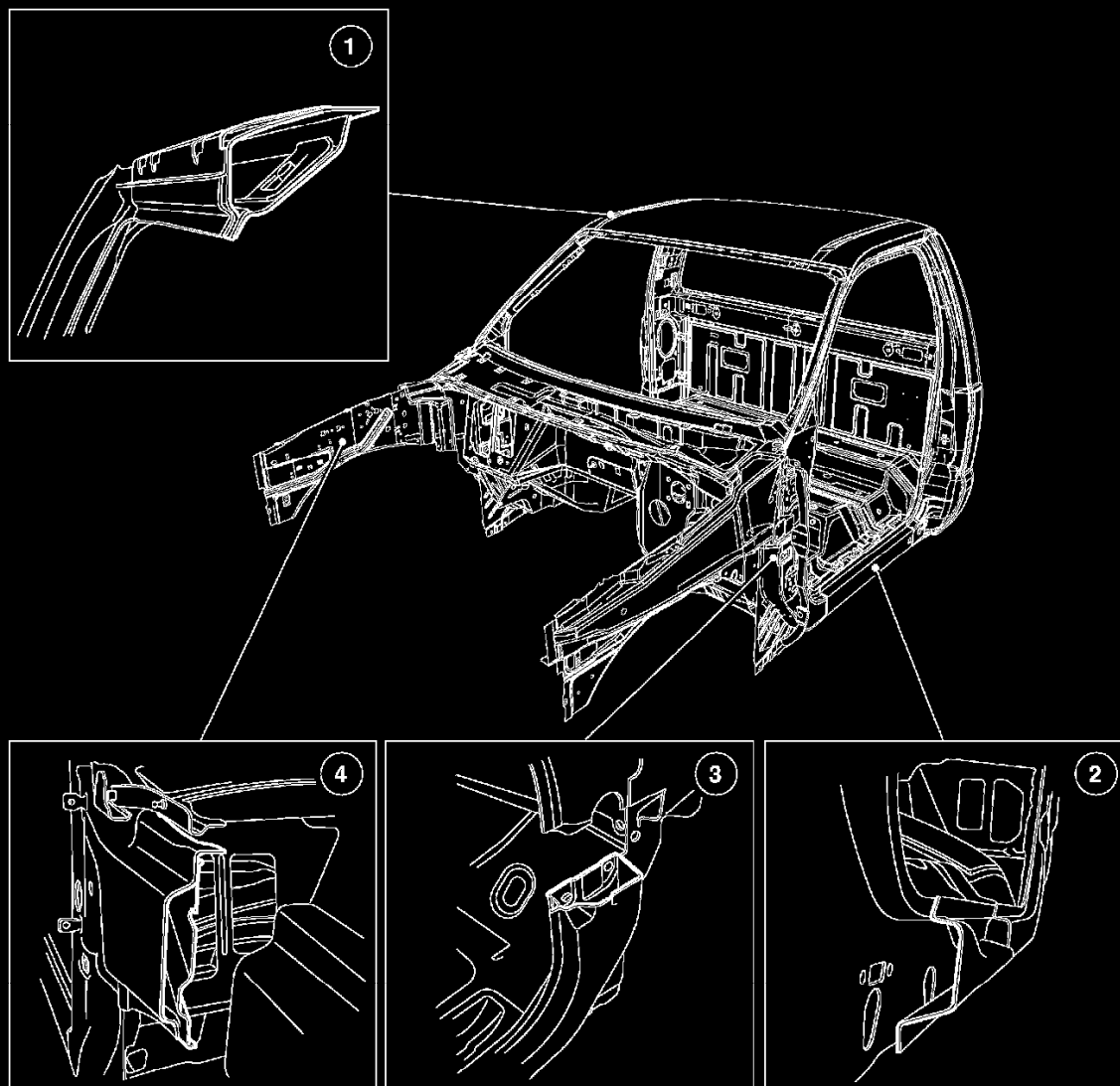
Cutaway View — Front Structure

⚠ CAUTION: Do not heat high-strength steel to straighten.

NOTE: Install a new part if the part has sustained damage resulting in a kink or tear.

NOTE: Cutaway view is accurate in highlighted area. View is intended as a guideline only.

NOTE: Cutaway view does not indicate recommended sectioning area.



A0073028

Item	Description
1	Roof side rail reinforcement cutaway view
2	Body rocker panel cutaway view
3	Front body pillar cutaway view
4	Inner fender reinforcement cutaway view

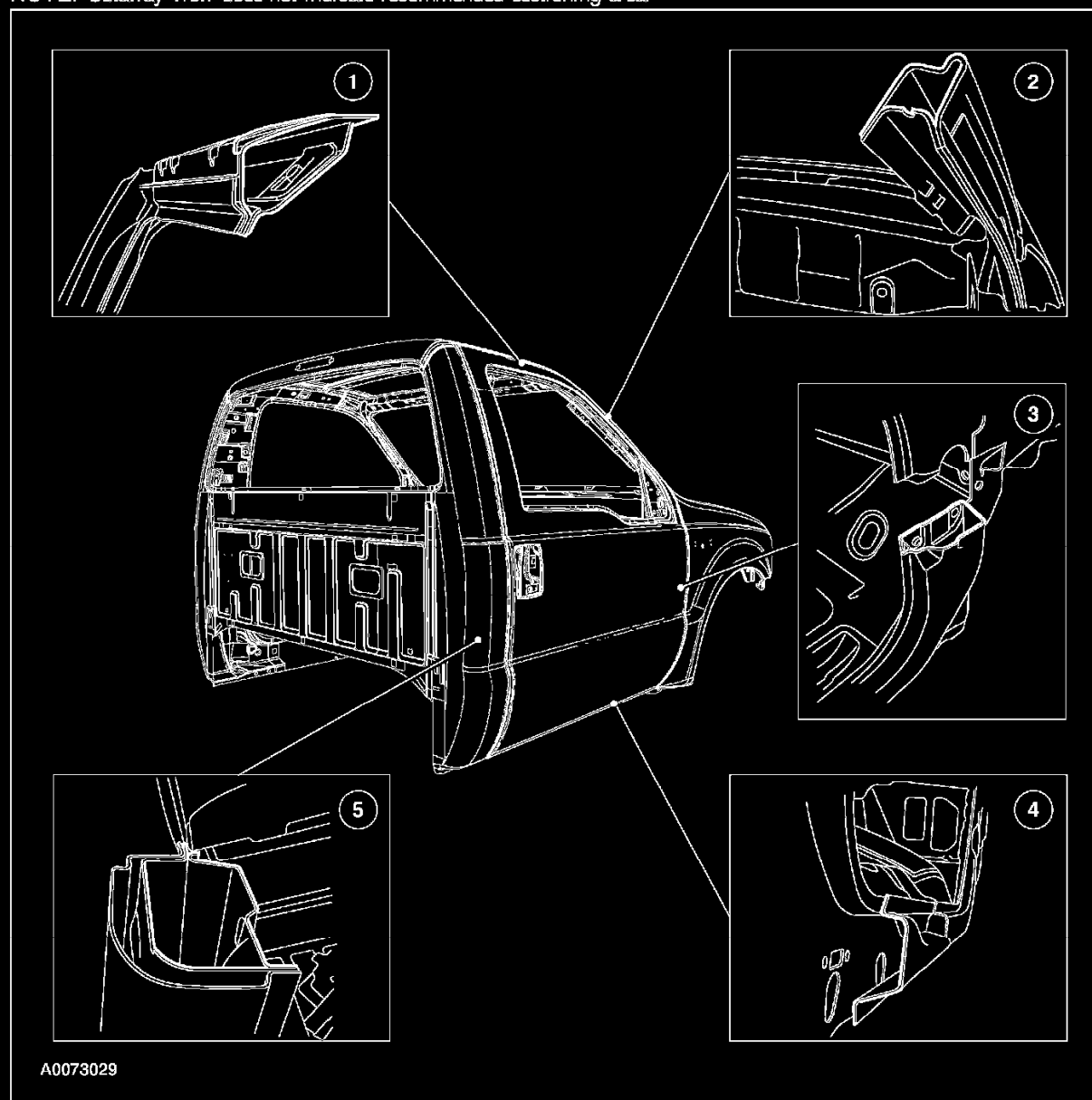
Cutaway View — Regular Cab

⚠ CAUTION: Do not heat high-strength steel to straighten.

NOTE: Install a new part if the part has sustained damage resulting in a kink or tear.

NOTE: Cutaway view is accurate in highlighted area. View is intended as a guideline only.

NOTE: Cutaway view does not indicate recommended sectioning area.



Item	Description
1	Roof line cutaway view
2	Front body pillar reinforcement cutaway view

Item	Description
3	Front body pillar cutaway view
4	Body rocker panel cutaway view
5	Rear cab corner panel cutaway view

Cutaway View - Regular Cab

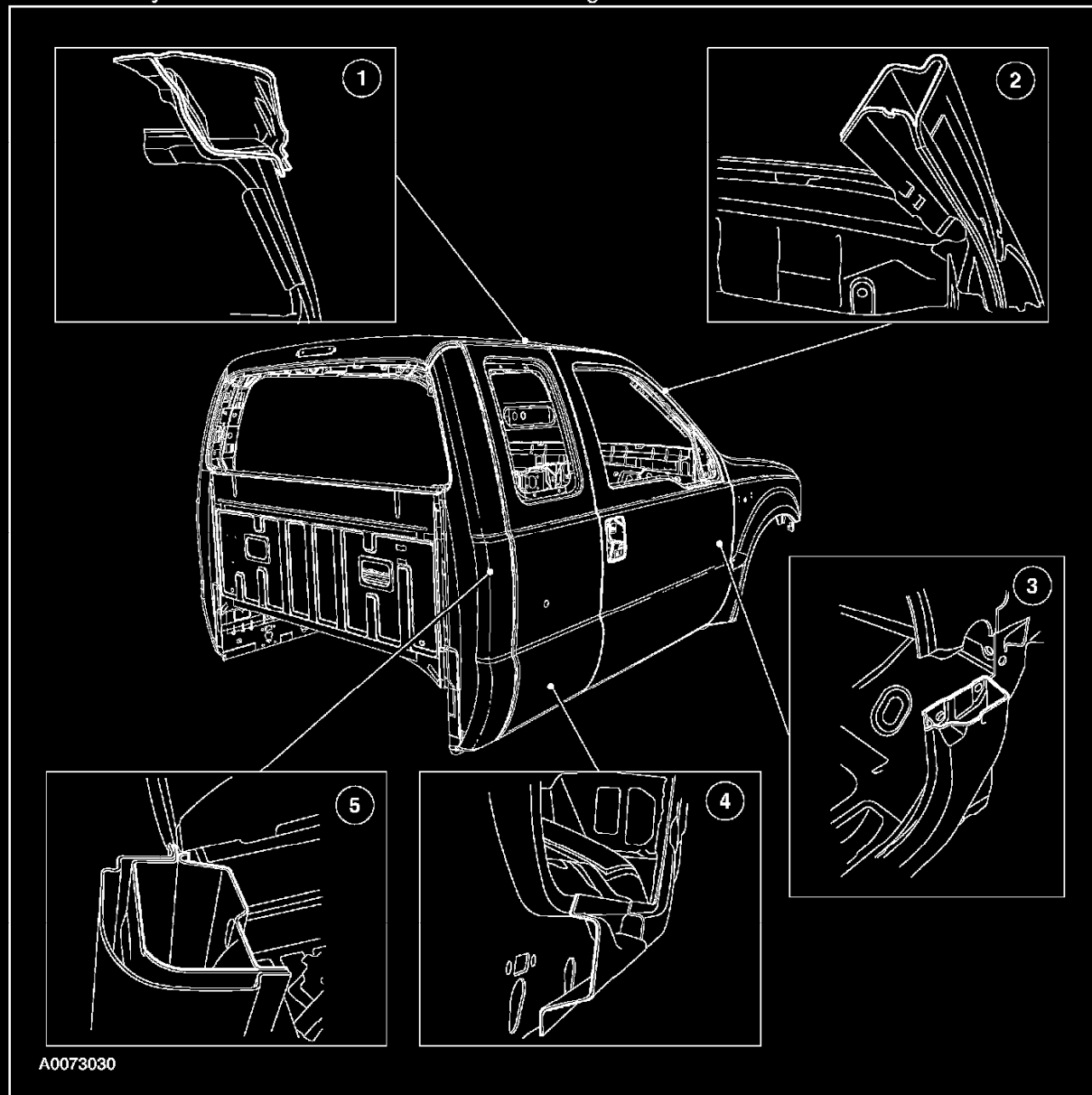
Cutaway View — SuperCab

⚠ CAUTION: Do not heat high-strength steel to straighten.

NOTE: Install a new part if the part has sustained damage resulting in a kink or tear.

NOTE: Cutaway view is accurate in highlighted area. View is intended as a guideline only.

NOTE: Cutaway view does not indicate recommended sectioning area.



Item	Description
1	Roof rail reinforcement cutaway view
2	Front body pillar upper reinforcement cutaway view
3	Front body pillar cutaway view

Item	Description
4	Body rocker panel cutaway view
5	Rear cab corner panel cutaway view

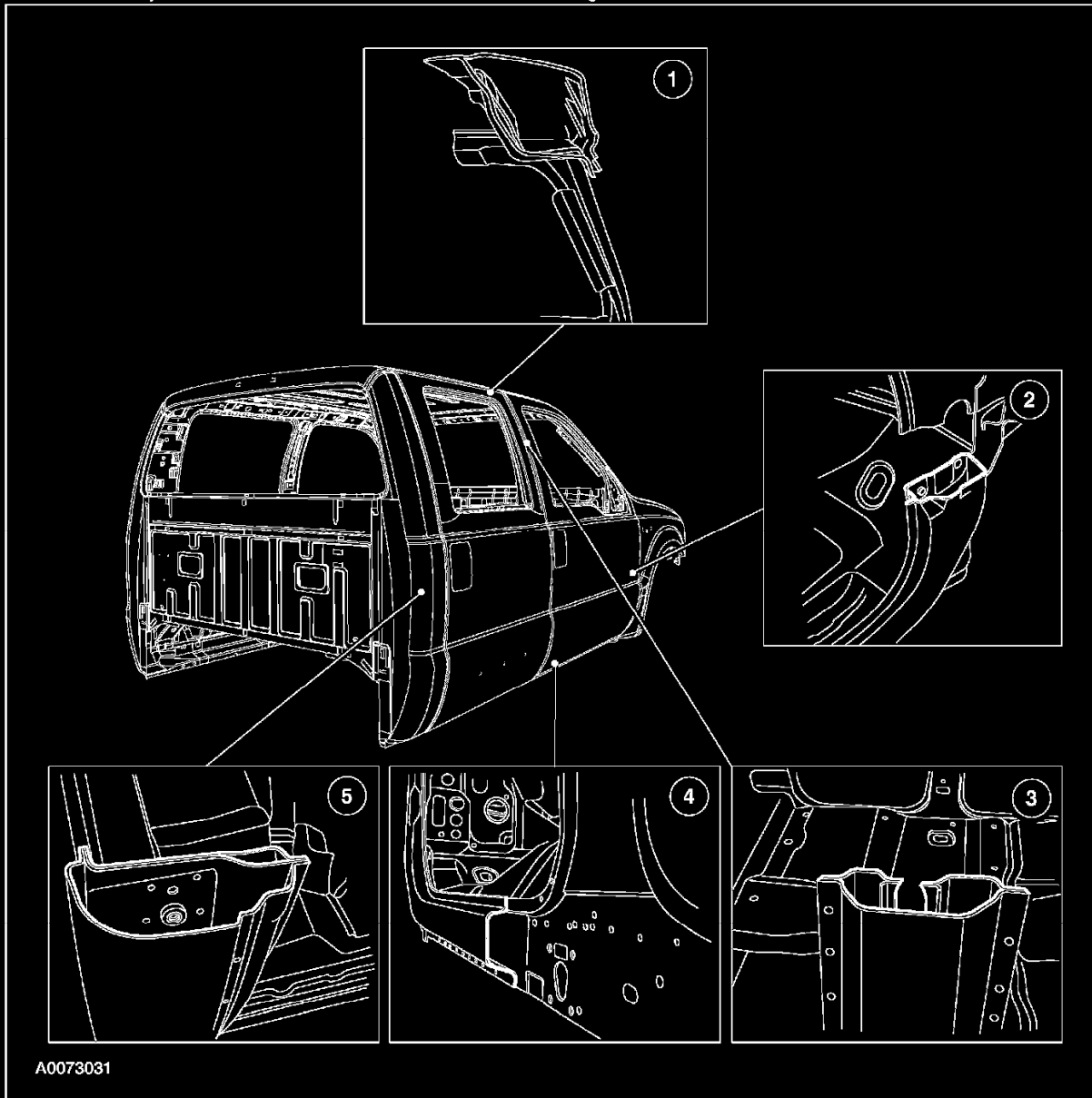
Cutaway View — Crew Cab

⚠ CAUTION: Do not heat high-strength steel to straighten.

NOTE: Install a new part if the part has sustained damage resulting in a kink or tear.

NOTE: Cutaway view is accurate in highlighted area. View is intended as a guideline only.

NOTE: Cutaway view does not indicate recommended sectioning area.



Item	Description
1	Roof rail reinforcement cutaway view
2	Front body pillar cutaway view
3	Center body pillar cutaway view

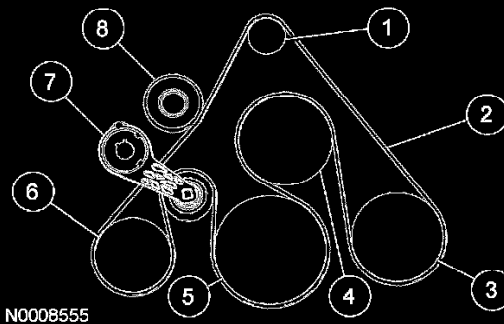
Item	Description
4	Body rocker panel cutaway view
5	Rear cab corner panel cutaway view

Cutaway View - Crew Cab

Accessory Drive

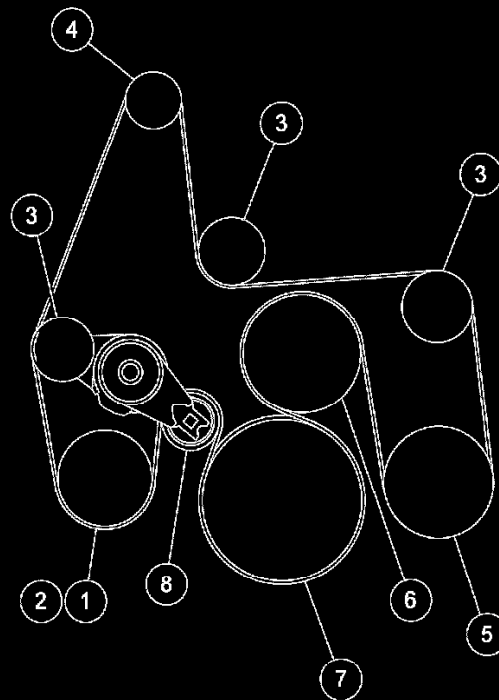
Accessory Drive

Accessory Drive — 5.4L, 6.8L with A/C



Item	Description
1	Generator pulley
2	Accessory drive belt
3	Power steering pump pulley
4	Water pump pulley
5	Crankshaft pulley
6	A/C clutch pulley
7	Drive belt tensioner pulley
8	Belt idler pulley

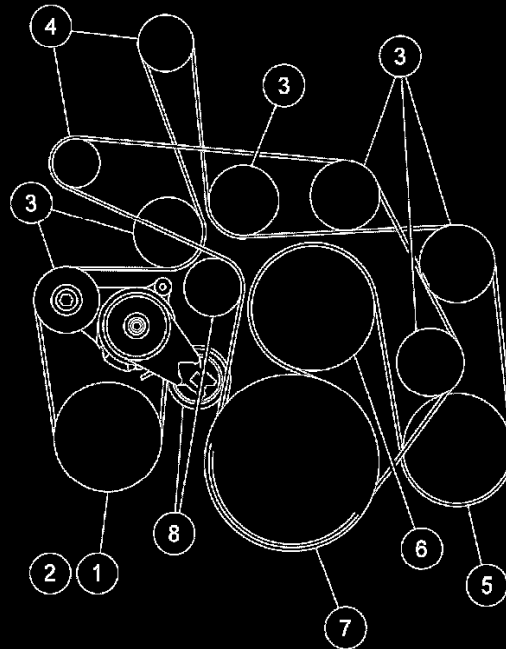
Accessory Drive - 5.4L 6.8L with A/C

Accessory Drive — 6.0L Diesel Engine Single Generator

N0034952

Item	Description
1	A/C clutch pulley
2	Idler pulley (without A/C)
3	Belt idler pulley
4	Generator pulley
5	Power steering pump pulley
6	Water pump pulley
7	Crankshaft pulley
8	Drive belt tensioner

Accessory Drive - (6.0L) Diesel Engine Single Generator

Accessory Drive — 6.0L Diesel Engine Dual Generator

N0034951

Item	Description
1	A/C clutch pulley
2	Idler pulley (without A/C)

(Continued)

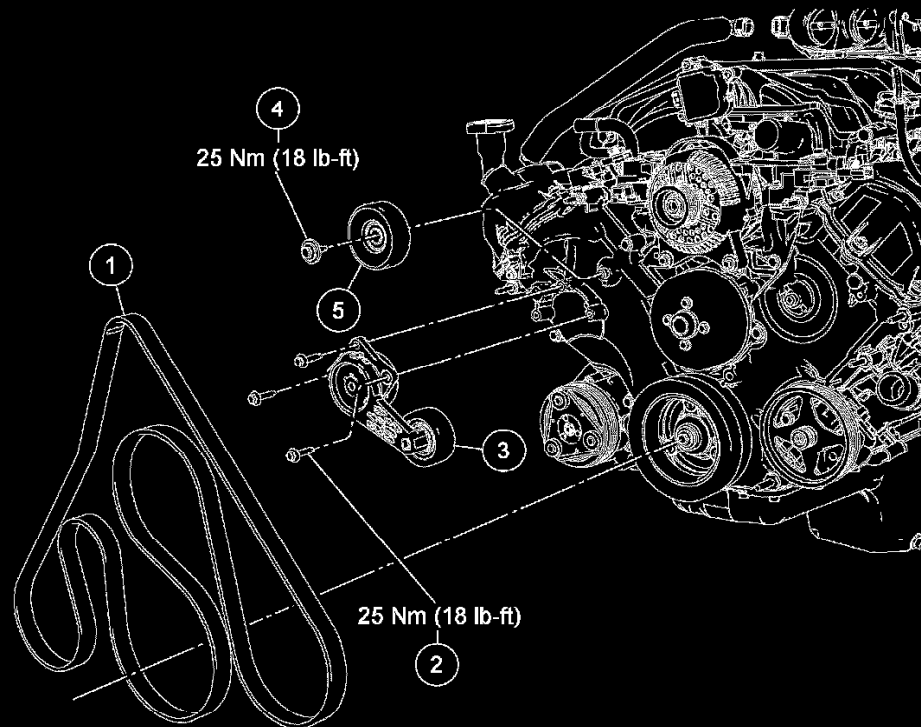
Accessory Drive - (6.0L) Diesel Engine Dual Generator

Item	Description
3	Belt idler pulley
4	Generator pulley
5	Power steering pump pulley
6	Water pump pulley
7	Crankshaft pulley
8	Drive belt tensioner

Accessory Drive - (6.0L) Diesel Engine Dual Generator**Front End Accessory Drive (FEAD) Exploded View**

Front End Accessory Drive (FEAD) Exploded View

Front End Accessory Drive (FEAD) Exploded View — 5.4L, 6.8L



N0010006

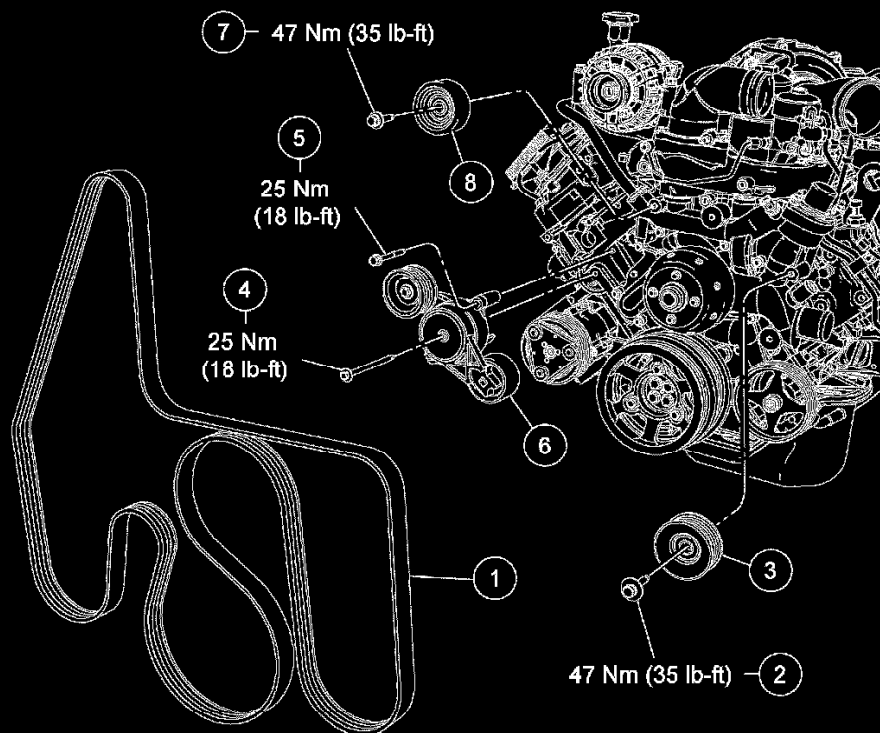
Item	Description
1	Accessory drive belt
2	Belt tensioner bolts (3 required)
3	Belt tensioner

(Continued)

Item	Description
4	Idler pulley bolt
5	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 5.4L 6.8L

Front End Accessory Drive (FEAD) Exploded View — 6.0L Diesel



N0010007

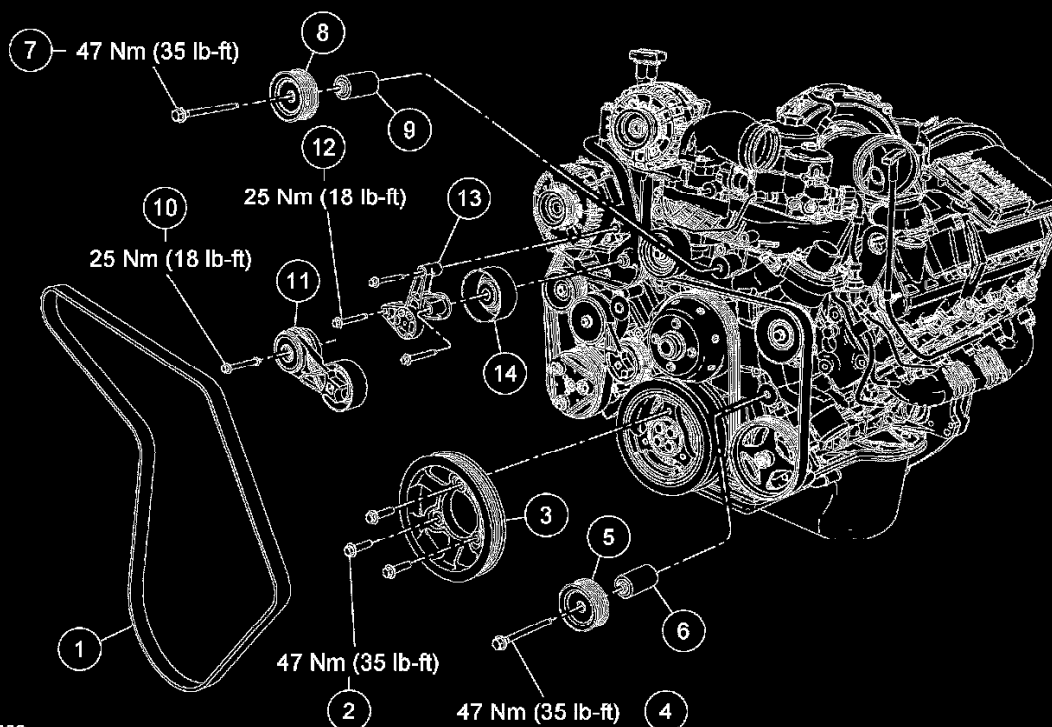
Item	Description
1	Accessory drive belt
2	Idler pulley bolt
3	Idler pulley, grooved
4	Belt tensioner bolt

(Continued)

Item	Description
5	Belt tensioner bolt
6	Belt tensioner assembly
7	Idler pulley bolt
8	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 6.0L Diesel

Front End Accessory Drive (FEAD) Exploded View — 6.0L Diesel With Dual Alternator



N0010008

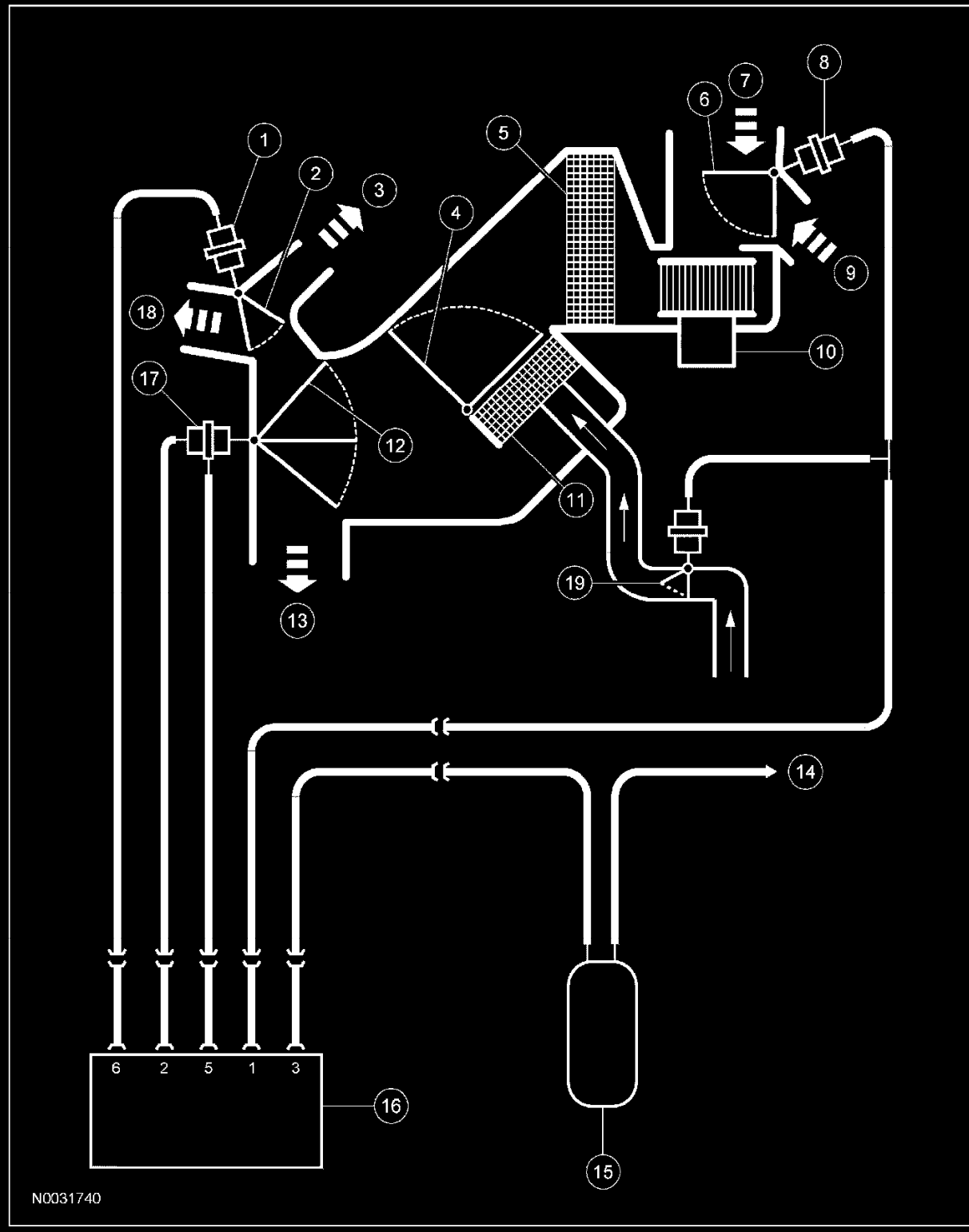
Item	Description
1	Accessory drive belt
2	Crankshaft pulley bolts (3 required)
3	Crankshaft pulley
4	Idler pulley bolt
5	Idler pulley, grooved
6	Idler pulley spacer
7	Idler pulley bolt
8	Idler pulley, grooved

(Continued)

Item	Description
9	Idler pulley spacer
10	Belt tensioner bolt
11	Belt tensioner assembly
12	Drive belt tensioner bracket bolt (3 required)
13	Drive belt tensioner bracket
14	Idler pulley

Front End Accessory Drive (FEAD) Exploded View - 6.0L Diesel With Dual Alternator

Vacuum Schematic—Manual A/C



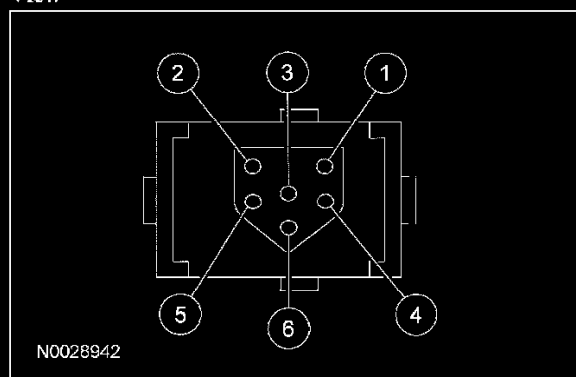
N0031740

Vacuum Schematic-Manual A/C (Part 1)

Item	Description
1	Vacuum control motor — panel/defrost door
2	Panel/defrost door (full vacuum position)
3	Defrost air flow
4	Temperature blend door (full heat position)
5	A/C evaporator core
6	Air inlet duct door (full vacuum position)
7	Outside air inlet
8	Vacuum control motor — air inlet door
9	Recirculated air inlet
10	Blower motor
11	Heater core
12	Panel/floor door (full vacuum position)
13	Floor air flow
14	Vacuum source
15	A/C vacuum reservoir tank and bracket
16	A/C-heater function selector switch
17	Vacuum control motor — panel/floor door
18	Panel vent air flow
19	Heater control valve

Vacuum Schematic-Manual A/c (Part 2)

Function Selector Switch Vacuum Connector End View



Port	Hose Color	Function
1	White	Air Inlet Door
2	Yellow	Panel/Floor Door
3	Black	Vacuum Source
4	—	Not Used
5	Blue	Panel/Floor Door
6	Red	Panel/Defrost Door

Function Selector Switch Vacuum Connector End View

Vacuum Application Chart — Manual A/C

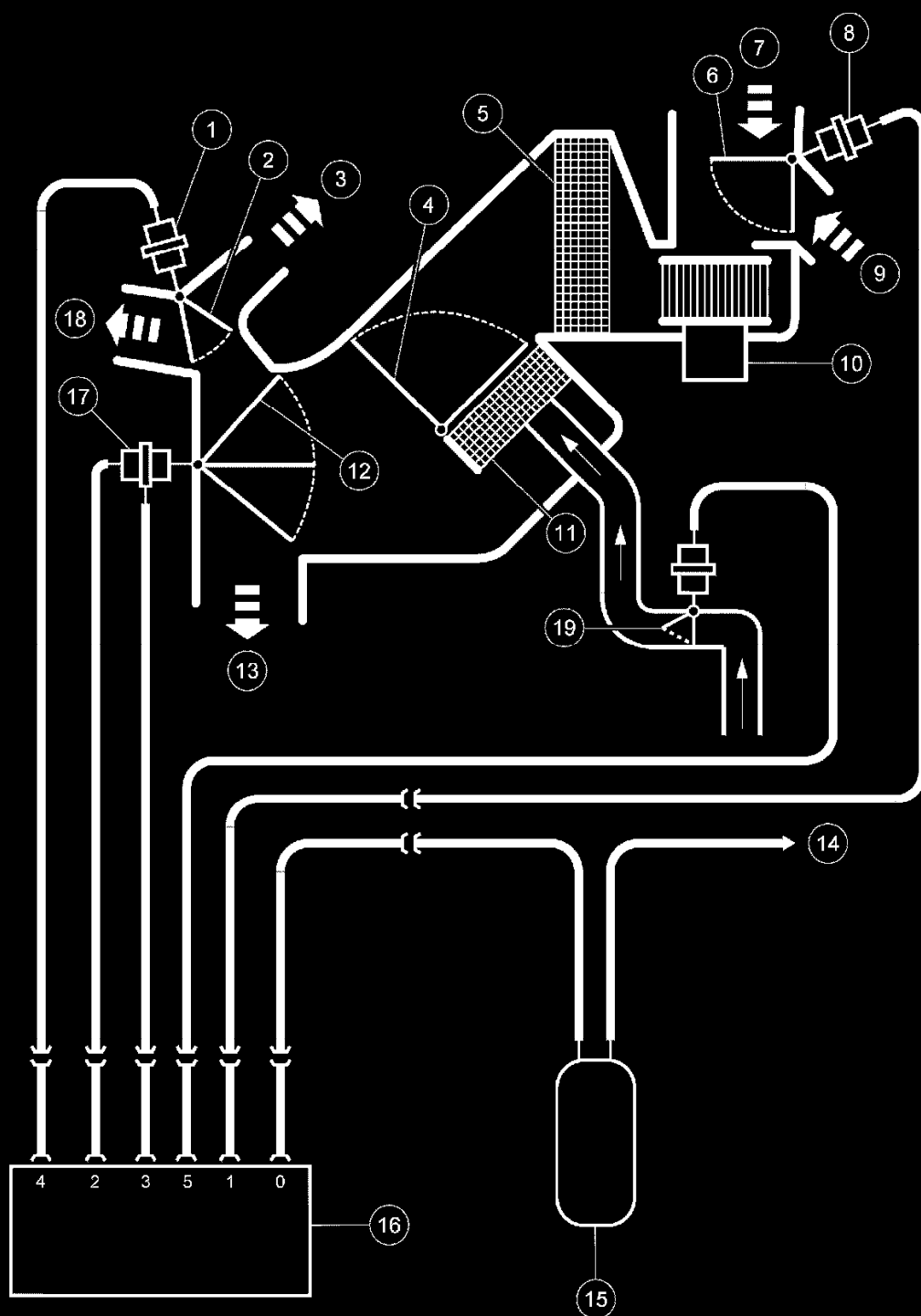
Switch Port	Color	Function	Function Selector Switch Position							
			MAX A/C	A/C	PANEL	OFF	PNL/ FLR	FLOOR	FLR/ DEF	DEF
1	White	Recirc/Fresh and Heater Control Valve	V	NV	NV	V	NV	NV	NV	NV
2	Yellow	Panel/Floor	NV	NV	NV	V	NV	V	NV	NV
3	Black	Vacuum Source	V	V	V	V	V	V	V	V
5	Blue	Panel/Floor	NV	NV	NV	V	V	V	V	NV
6	Red	Panel/Defrost	V	V	V	NV	V	NV	NV	NV

V = Vacuum

NV= No Vacuum

Vacuum Application Chart - Manual A/C

Vacuum Schematic—EATC

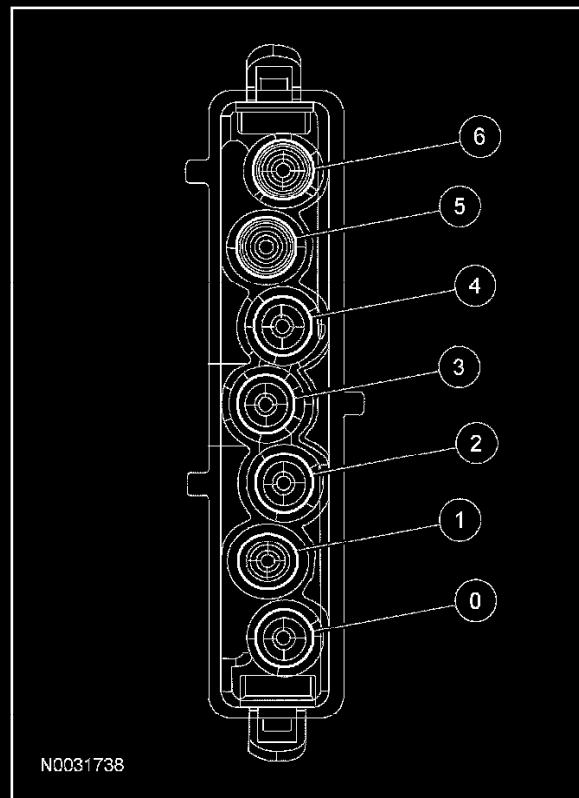


N0031739

Vacuum Schematic-EATC (Part 1)

Item	Description
1	Vacuum control motor — panel/defrost door
2	Panel/defrost door (full vacuum position)
3	Defrost air flow
4	Temperature blend door (full heat position)
5	A/C evaporator core
6	Air inlet duct door (full vacuum position)
7	Outside air inlet
8	Vacuum control motor — air inlet door
9	Recirculated air inlet
10	Blower motor
11	Heater core
12	Panel/floor door (full vacuum position)
13	Floor air flow
14	Vacuum source
15	A/C vacuum reservoir tank and bracket
16	ATC solenoid and manifold
17	Vacuum control motor — panel/floor door
18	Panel vent air flow
19	Heater control valve

Vacuum Schematic-EATC (Part 2)

ATC Solenoid and Manifold Vacuum Connector End View

Port	Hose Color	Function
0	Black	Vacuum Source
1	White	Air Inlet Duct Door
2	Yellow	Panel/Floor Door
3	Blue	Panel/Floor Door
4	Red	Panel/Defrost Door
5	Gray	Heater Control Valve
6	—	Not used

ATC Solenoid And Manifold Vacuum Connector End View**Vacuum Application Chart — EATC**

Port	Color	Function	Manual Override Buttons					
			OFF	PANEL	PNL/FLR	FLR	FLR/DEF	DEF
0	Black	Vacuum Source	V	V	V	V	V	V
1	White	Air Inlet ^a	V	V/NV	V/NV	V/NV	V/NV	NV

Vacuum Application Chart - EATC (Part 1)

Vacuum Application Chart — EATC (Continued)

Port	Color	Function	Manual Override Buttons					
			OFF	PANEL	PNL/FLR	FLR	FLR/DEF	DEF
2	Yellow	Panel/Floor	V	NV	NV	V	NV	NV
3	Blue	Panel/Floor	V	NV	V	V	V	NV
4	Red	Panel/ Defrost	NV	V	V	NV	NV	NV
5	Gray	Heater Control Valve ^b	V	V/NV	V/NV	V/NV	V/NV	V/NV

- a The EATC system may be manually set to enable or disable the recirculation of cabin air by pressing the RECIRCULATION manual override button in all manual override modes except DEFROST.
- b The automatic temperature control solenoid and manifold will supply vacuum and close the heater control valve depending on the EATC module settings and ambient conditions in any setting except OFF.

V = Vacuum

NV= No Vacuum

Vacuum Application Chart - EATC (Part 2)**Component Location Index**

PLEASE NOTE: If a link on the Component Location Index to a View is not provided, that means that the Component and/or View in question does NOT apply to the vehicle model selected.

Components		View 151-*/coordinates	
Location			
4x4 High/Low indicator switch on transfer case, top	14 - D7	Ambient air temperature sensor (19E702) engine compartment, front	1 - E7
A/C clutch field coil (19D798) - 6.0L Diesel engine, front, on A/C compressor	13 - E7	Auxiliary relay box 1 dash panel, center	16 - E4
A/C clutch field coil (19D798) - 6.8L engine, front, on A/C compressor	10 - D1	Auxiliary relay box 3 engine compartment, LH side, rear	1 - A8
A/C clutch field coil (19D798) - 5.4L engine, front, on A/C compressor	7 - D2	Barometric Absolute Pressure (BAP) sensor behind dash panel, LH side, near steering column	17 - F4
A/C clutch relay in Battery Junction Box (BJB)	1 - B8	Battery (10655) engine compartment, RH side	1 - D2
A/C Compressor clutch diode under dash panel, LH side	15 - E4	Battery (10655) - Diesel engine compartment, RH side	3 - D2
A/C compressor cycling switch (19E561) - Diesel engine compartment, RH side	3 - B1	Battery II - Diesel engine compartment, LH side	3 - D7
A/C compressor cycling switch (19E561) engine compartment, RH side	30 - C7	Battery Junction Box (BJB) (14A067) engine compartment, LH side, rear	1 - B8
A/C high pressure switch (19D594) - 5.4L engine, front, RH side	7 - C2	Battery saver relay in Instrument Cluster (not serviceable)	15 - B4
A/C high pressure switch (19D594) - 6.8L engine, front, RH side	10 - C1	Blower motor relay in Battery Junction Box (BJB)	1 - B8
ABS control module (2C219) - Diesel engine compartment, LH side	5 - A7	Blower motor speed controller (19E624) engine compartment, RH side	30 - D7
ABS control module (2C219) engine compartment, LH side	6 - A7	Brake fluid level switch (2L414) - Diesel engine compartment, LH side	5 - A5
Accelerator pedal position sensor on accelerator pedal support	16 - F4	Brake fluid level switch (2L414) engine compartment, LH side	6 - A6
Accessory delay relay in Central Junction Box (CJB)	15 - E4	Brake pedal position switch (13480) on brake pedal support	16 - E7
Adjustable pedal motor (9G662) in LH front footwell	16 - E5	Brake pressure switch (2B264) - Diesel engine compartment, LH side, rear	5 - E4
Adjustable pedal switch dash panel, LH side	16 - D8	Brake pressure switch (2B264) engine compartment, LH side, rear	6 - E4
Air bag sliding contact (14A664) on steering column	17 - F7	Brake pressure transducer engine compartment, LH rear	16 - F5
Air filter sensor - Diesel engine compartment, LH side, on air cleaner housing	3 - D7	Brake shift interlock on steering column	16 - E6
		Camshaft position sensor (6B288) - 6.8L engine, upper, on front of RH cylinder head	10 - C1
		Camshaft position sensor (6B288) - 6.0L Diesel engine, LH side, bottom	12 - F4

Components**Location****View 151-#/coordinates**

Camshaft position sensor LH bank (6B288) - 5.4L engine, upper, on front of LH cylinder head	7 - E7
Camshaft position sensor RH bank (6B288) - 5.4L engine, upper, on front of RH cylinder head	7 - C1
Central Junction Box (CJB) (14A067) under dash panel, LH side	16 - E8
Charge Motion Control Valve (CMCV) - 5.4L engine, rear	8 - D3
Cigar lighter (15055) dash panel, center, bottom	17 - D3
Clutch pedal position switch on clutch pedal support	17 - D8
Coil On Plug (COP) 1 (12A366) - 5.4L engine, top, RH side	8 - D7
Coil On Plug (COP) 1 (12A366) - 6.8L engine, top, RH side	11 - D8
Coil On Plug (COP) 1 (12A366) - 6.8L engine, top, LH side	10 - C7
Coil On Plug (COP) 2 (12A366) - 5.4L engine, top, RH side	8 - D7
Coil On Plug (COP) 2 (12A366) - 6.8L engine, top, RH side	11 - D8
Coil On Plug (COP) 3 (12A366) - 5.4L engine, top, RH side	8 - E7
Coil On Plug (COP) 3 (12A366) - 6.8L engine, top, RH side	11 - E8
Coil On Plug (COP) 4 (12A366) - 5.4L engine, top, RH side	8 - E7
Coil On Plug (COP) 4 (12A366) - 6.8L engine, top, RH side	11 - E8
Coil On Plug (COP) 5 (12A366) - 5.4L engine, LH side	7 - E6
Coil On Plug (COP) 5 (12A366) - 5.4L engine, top, LH side	11 - E8
Coil On Plug (COP) 5 (12A366) - 6.8L engine, top, LH side	11 - E8

Coil On Plug (COP) 6 (12A366) - 6.8L engine, top, LH side	10 - F7
Coil On Plug (COP) 6 (12A366) - 5.4L engine, top, LH side	7 - E7
Coil On Plug (COP) 7 (12A366) - 5.4L engine, top, LH side	7 - D7
Coil On Plug (COP) 7 (12A366) - 6.8L engine, top, LH side	10 - E7
Coil On Plug (COP) 8 (12A366) - 5.4L engine, top, LH side	7 - C7
Coil On Plug (COP) 8 (12A366) - 6.8L engine, top, LH side	10 - E7
Coil On Plug (COP) 9 (12A366) - 6.8L engine, top, LH side	10 - C6
Compass sensor module - roof, LH side, front overhead console	28 - C1
Crankshaft position sensor (6C315) - 5.4L engine, front, behind crankshaft pulley	7 - E3
Crankshaft position sensor (6C315) - 6.0L Diesel engine, RH side, below glow plug bank	13 - E6
Crankshaft position sensor (6C315) - 6.8L engine, front, behind crankshaft pulley	10 - E1
Cylinder head temperature sensor (6G004) - 5.4L engine, top, LH side	8 - F4
Cylinder head temperature sensor (6G004) - 6.8L engine, top, LH side	11 - B7
Data Link Connector (DLC) (14489) under dash panel, LH side	17 - E5
Daytime Running Lamps (DRL) relay 1 in Battery Junction Box (BJB)	1 - B8
Daytime Running Lamps (DRL) relay 2 in Battery Junction Box (BJB)	1 - B8
Daytime Running Lamps (DRL) relay 3 in Battery Junction Box (BJB)	1 - B8
Daytime running lamps resistor - Diesel engine compartment, front, LH side	3 - F5
Door ajar switch, driver side front (14018) in driver door	22 - E2
Door ajar switch, driver side rear (14018) in LH rear door	26 - C2

Electronic Automatic Temperature Control (EATC) module (19980)	16 - A5
dash panel, center	16 - A5
Electronic fan clutch - 6.0L Diesel engine, top, front	12 - E2
Electronic Shift On the Fly (ESOF) solenoid engine compartment, RH side	1 - C2
Electronic Shift On the Fly (ESOF) solenoid engine compartment, RH side	3 - C1
Electronic Shift On the Fly (ESOF) solenoid engine compartment, RH side, rear	30 - C1
Electronic Throttle Control (ETC) motor (9F991) - 6.0L Diesel	
engine, attached to throttle body	13 - B7
Electronic Throttle Control (ETC) motor (9F991) - 6.8L engine, attached to throttle body	10 - A5
Electronic Throttle Control (ETC) motor (9F991) - 5.4L engine, attached to throttle body	8 - C2
Engine compartment lamp engine compartment	6 - A7
Engine compartment lamp - Diesel engine compartment	5 - A6
Engine Coolant Temperature (ECT) sensor (12A648) - 6.0L Diesel	
engine, front, LH side, near thermostat housing	12 - E2
Engine Oil Temperature (EOT) sensor - 5.4L engine, top on oil reservoir	8 - F5
Engine Oil Temperature (EOT) sensor - 6.0L Diesel engine, top on oil reservoir	13 - C7
EVAP canister vent control solenoid vehicle underbody, LH side, by axle	31 - B4
Exhaust Back Pressure (EBP) sensor - 6.0L Diesel engine, near camshaft pulley, LH side	12 - F3
Exterior rear view mirror switch (17B676) in driver door	22 - C7
Exterior rear view mirror, driver side (17682) driver's door (exterior)	22 - B7
Exterior rear view mirror, passenger side (17683) front of passenger door exterior	23 - B2
F1.1 in Battery Junction Box (B1B)	1 - B8

Components		View 151-*/coordinates	
Location			
F1.2 in Battery Junction Box (B1B)	 1 - B8	F2.15 in Central Junction Box (C1B)	 16 - E8
F1.3 in Battery Junction Box (B1B)	 1 - B8	F2.16 in Central Junction Box (C1B)	 16 - E8
F1.4 in Battery Junction Box (B1B)	 1 - B8	F2.17 in Central Junction Box (C1B)	 16 - E8
F1.5 in Battery Junction Box (B1B)	 1 - B8	F2.18 in Central Junction Box (C1B)	 16 - E8
F1.6 in Battery Junction Box (B1B)	 1 - B8	F2.19 in Central Junction Box (C1B)	 16 - E8
F1.7 in Battery Junction Box (B1B)	 1 - B8	F2.20 in Central Junction Box (C1B)	 16 - E8
F1.8 in Battery Junction Box (B1B)	 1 - B8	F2.21 in Central Junction Box (C1B)	 16 - E8
F1.9 in Battery Junction Box (B1B)	 1 - B8	F2.22 in Central Junction Box (C1B)	 16 - E8
F1.10 in Battery Junction Box (B1B)	 1 - B8	F2.23 in Central Junction Box (C1B)	 16 - E8
F1.11 in Battery Junction Box (B1B)	 1 - B8	F2.24 in Central Junction Box (C1B)	 16 - E8
F1.12 in Battery Junction Box (B1B)	 1 - B8	F2.25 in Central Junction Box (C1B)	 16 - E8
F1.13 in Battery Junction Box (B1B)	 1 - B8	F2.26 in Central Junction Box (C1B)	 16 - E8
F1.14 in Battery Junction Box (B1B)	 1 - B8	F2.27 in Central Junction Box (C1B)	 16 - E8
F1.15 in Battery Junction Box (B1B)	 1 - B8	F2.28 in Central Junction Box (C1B)	 16 - E8
F1.16 in Battery Junction Box (B1B)	 1 - B8	F2.29 in Central Junction Box (C1B)	 16 - E8
F1.17 in Battery Junction Box (B1B)	 1 - B8	F2.30 in Central Junction Box (C1B)	 16 - E8
F1.18 in Battery Junction Box (B1B)	 1 - B8	F2.31 in Central Junction Box (C1B)	 16 - E8
F1.19 in Battery Junction Box (B1B)	 1 - B8	F2.32 in Central Junction Box (C1B)	 16 - E8
F1.20 in Battery Junction Box (B1B)	 1 - B8	F2.33 in Central Junction Box (C1B)	 16 - E8
F1.21 in Battery Junction Box (B1B)	 1 - B8	F2.34 in Central Junction Box (C1B)	 16 - E8
F1.22 in Battery Junction Box (B1B)	 1 - B8	F2.35 in Central Junction Box (C1B)	 16 - E8
F1.23 in Battery Junction Box (B1B)	 1 - B8	F2.36 in Central Junction Box (C1B)	 16 - E8
F2.1 in Central Junction Box (C1B)	 16 - E8	F2.37 in Central Junction Box (C1B)	 16 - E8
F2.2 in Central Junction Box (C1B)	 16 - E8	F2.38 in Central Junction Box (C1B)	 16 - E8
F2.3 in Central Junction Box (C1B)	 16 - E8	F2.39 in Central Junction Box (C1B)	 16 - E8
F2.4 in Central Junction Box (C1B)	 16 - E8	F2.40 in Central Junction Box (C1B)	 16 - E8
F2.5 in Central Junction Box (C1B)	 16 - E8	F2.41 in Central Junction Box (C1B)	 16 - E8
F2.6 in Central Junction Box (C1B)	 16 - E8	F2.42 in Central Junction Box (C1B)	 16 - E8
F2.7 in Central Junction Box (C1B)	 16 - E8	F2.43 in Central Junction Box (C1B)	 16 - E8
F2.8 in Central Junction Box (C1B)	 16 - E8	F2.44 in Central Junction Box (C1B)	 16 - E8
F2.9 in Central Junction Box (C1B)	 16 - E8	F2.45 in Central Junction Box (C1B)	 16 - E8
F2.10 in Central Junction Box (C1B)	 16 - E8	F2.46 in Central Junction Box (C1B)	 16 - E8
F2.11 in Central Junction Box (C1B)	 16 - E8	F2.47 in Central Junction Box (C1B)	 16 - E8
F2.12 in Central Junction Box (C1B)	 16 - E8	F2.48 in Central Junction Box (C1B)	 16 - E8
F2.13 in Central Junction Box (C1B)	 16 - E8	F2.101 in Central Junction Box (C1B)	 16 - E8
F2.14 in Central Junction Box (C1B)	 16 - E8	F2.102 in Central Junction Box (C1B)	 16 - E8
		F2.103 in Central Junction Box (C1B)	 16 - E8
		F2.104 in Central Junction Box (C1B)	 16 - E8
		F2.105 in Central Junction Box (C1B)	 16 - E8
		F2.106 in Central Junction Box (C1B)	 16 - E8

F1.2-F2.106

Components**Location****View 151-*/coordinates**

F2.107	in Central Junction Box (CJB)	16 - E8
F2.108	in Central Junction Box (CJB)	16 - E8
F2.109	in Central Junction Box (CJB)	16 - E8
F2.110	in Central Junction Box (CJB)	16 - E8
F2.111	in Central Junction Box (CJB)	16 - E8
F2.112	in Central Junction Box (CJB)	16 - E8
F2.113	in Central Junction Box (CJB)	16 - E8
F2.114	in Central Junction Box (CJB)	16 - E8
F2.115	in Central Junction Box (CJB)	16 - E8
F2.116	in Central Junction Box (CJB)	16 - E8
F2.601	in Central Junction Box (CJB)	16 - E8
F2.602	in Central Junction Box (CJB)	16 - E8
F2.701	in Uplifter Relay Box	16 - E3
Fog lamp relay		
in Central Junction Box (CJB) (not serviceable)		16 - E8
Fog lamp, left front (15200) - Diesel		
front of vehicle, (exterior), LH side		3 - F5
Fog lamp, right front (15200) - Diesel		
front of vehicle, (exterior), RH side		3 - F3
Hour-wheel drive control module (14B466)		
under dash panel, RH side		16 - F3
Four-wheel drive switch		
dash panel, LH side		16 - A7
Fuel heater relay		
in Battery Junction Box (BJB)		1 - B8
Fuel injector 1 (9F593) - 5.4L		
engine, top, RH side		7 - A2
Fuel injector 1 (9F593) - 5.4L		
engine, top, RH side		8 - B7
Fuel injector 1 (9F593) - 6.0L Diesel		
engine, top, RH side		12 - C2
Fuel injector 1 (9F593) - 6.8L		
engine, top, RH side		11 - B7
Fuel injector 10 (9F593) - 6.8L		
engine, top, LH side		10 - B7

Fuel injector 2 (9F593) - 6.8L		
engine, top, RH side		11 - A5
Fuel injector 2 (9F593) - 5.4L		
engine, top, RH side		8 - B7
Fuel injector 2 (9F593) - 6.0L Diesel		
engine, top, LH side		13 - A4
Fuel injector 3 (9F593) - 6.0L Diesel		
engine, top, RH side		13 - F3
Fuel injector 3 (9F593) - 5.4L		
engine, top, RH side		8 - B7
Fuel injector 3 (9F593) - 6.8L		
engine, top, RH side		11 - A4
Fuel injector 4 (9F593) - 5.4L		
engine, top, RH side		8 - A7
Fuel injector 4 (9F593) - 6.0L Diesel		
engine, top, LH side		12 - D7
Fuel injector 4 (9F593) - 6.8L		
engine, top, RH side		11 - A4
Fuel injector 5 (9F593) - 5.4L		
engine, top, LH side		7 - A5
Fuel injector 5 (9F593) - 6.0L Diesel		
engine, top, RH side		13 - F2
Fuel injector 5 (9F593) - 6.8L		
engine, top, RH side		11 - A3
Fuel injector 6 (9F593) - 5.4L		
engine, top, LH side		7 - A5
Fuel injector 6 (9F593) - 6.0L Diesel		
engine, top, LH side		12 - B7
Fuel injector 6 (9F593) - 6.8L		
engine, top, LH side		10 - B3
Fuel injector 7 (9F593) - 5.4L		
engine, top, LH side		7 - B6
Fuel injector 7 (9F593) - 6.0L Diesel		
engine, top, RH side		13 - E2
Fuel injector 7 (9F593) - 6.8L		
engine, top, LH side		10 - B3
Fuel injector 8 (9F593) - 5.4L		
engine, top, LH side		7 - B6
Fuel injector 8 (9F593) - 6.0L Diesel		
engine, top, LH side		13 - D1

Components	Location	View 151-*/coordinates
Fuel injector 8 (9F593) - 6.8L engine, top, LH side		10 - A7
Fuel injector 9 (9F593) - 6.8L engine, top, LH side		10 - B7
Fuel Injector Control Module (FICM) - 6.0L Diesel engine, top, LH side		12 - B8
Fuel Injector Control Module (FICM) power relay - Diesel		3 - B7
in Battery Junction Box (BJB)		32 - A1
Fuel pump		31 - D7
vehicle underbody, LH side, near transmission		16 - E8
Fuel pump driver module		31 - B4
vehicle underbody, LH side		31 - C7
Fuel pump relay		31 - D5
in Central Junction Box (CJB) (not serviceable)		16 - D3
Fuel sender, primary		31 - C2
vehicle underbody, on fuel tank		31 - D6
Fuel sender, secondary		15 - E6
vehicle underbody, on fuel tank		12 - A3
Fuel tank pressure transducer (9C052)		12 - A5
vehicle underbody, LH side, by axle		
Fuel tank selector switch (9A050)		
behind dash panel, center		
Fuel tank selector valve		
vehicle underbody, LH frame rail		
Fuel tank unit		
vehicle underbody, LH side, by axle		
Fuel tank unit (9H307)		
vehicle underbody, LH side		
Function selector switch assembly		
in dash panel		
Generator - 6.0L Diesel engine, RH side, top		
Generator - 6.0L Diesel engine, upper, front		

Generator engine, RH side, top	.....	33 - B1
Generator, secondary engine, lower, front, RH side	.....	33 - D3
Generator, secondary engine, lower, front, RH side	.....	33 - E3
Glow plug bank, left - 6.0L Diesel engine, front, LH side	.....	12 - F8
Glow plug bank, right - 6.0L Diesel engine, front, RH side	.....	13 - D7
Glow plug control module (GPCM) - 6.0L Diesel engine, top, front, on RH valve cover	.....	13 - C7
Headlamp relay	.....	28 - C1
in Vehicle Security Module (VSM) (not serviceable)	.....	1 - D7
Headlamp, left (13008)	.....	1 - F3
front of vehicle, LH side	.....	8 - E3
Headlamp, right (13008)	.....	11 - F3
front of vehicle, RH side	.....	14 - B5
Heated Oxygen Sensor (HO2S) #11 (9F472) - 5.4L engine, rear, RH side	.....	31 - E5
Heated Oxygen Sensor (HO2S) #11 (9F472) - 6.8L engine, rear, RH side	.....	8 - E2
Heated Oxygen Sensor (HO2S) #12 (9G444)	.....	11 - F2
vehicle underbody, RH side, near transmission	.....	10 - D7
Heated Oxygen Sensor (HO2S) #12 (9G444)	.....	14 - E3
vehicle underbody, RH side, near transmission	.....	5.4L
Heated Oxygen Sensor (HO2S) #13 (9G444)	.....	7 - E7
vehicle underbody, LH side, front	.....	
Heated Oxygen Sensor (HO2S) #21 (9F472) - 5.4L engine, rear, LH side	.....	
Heated Oxygen Sensor (HO2S) #21 (9F472) - 6.8L engine, rear, LH side	.....	
Heated Oxygen Sensor (HO2S) #21 (9F472) - 6.8L engine, rear, LH side	.....	
Heated Oxygen Sensor (HO2S) #22 (9G444)	.....	
vehicle underbody, LH side, near transmission	.....	
Heated Positive Crankcase Ventilation (PCV) element - engine, top, LH side	.....	

Components**Location****View 151-*/coordinates**

Heated seat relay, driver side front under driver seat	20 - C2
Heater blower motor (19805)	
engine compartment, RH side, rear	30 - B1
Heater blower motor resistor (19A706)	
engine compartment, RH side, rear	30 - D7
High mounted stoplamp (13A613)	
in roof panel, rear center	28 - A5
High mounted stoplamp (13A613)	
in roof panel, rear center	29 - A3
Horn (13832)	
engine compartment, front, RH side	1 - D1
Horn relay	
in Central Junction Box (CJB) (not serviceable)	16 - E8
HTD mirror relay	
in Central Junction Box (CJB) (not serviceable)	16 - E8
Ignition switch (11572)	
on steering column	16 - E5
Ignition transformer capacitor 1 (18801) - 5.4L	
engine, top	8 - B7
Ignition transformer capacitor 1 (18801) - 6.8L	
engine, top	10 - B1
Ignition transformer capacitor 2 (18801) - 5.4L	
engine, top	7 - B3
Ignition transformer capacitor 2 (18801) - 6.8L	
engine, top, on front of LH valve cover	10 - F3
Indicator flasher relay (13350)	
behind dash panel, center, in auxiliary relay box 1	16 - E4
Inertia Fuel Shutoff (IFS) switch (9D362)	
under dash panel, RH side	16 - D1
Injection Control Pressure (ICP) sensor - 6.0L Diesel	
engine, top, rear	12 - A7
Injection Pressure Regulator (IPR) - 6.0L Diesel	
engine, top, on oil pump	13 - E1
Injector Pressure Sensor (IPS) - 5.4L	
engine, RH side	8 - A2

Injector Pressure Sensor (IPS) - 6.8L	
engine, RH side	10 - A6
Instrument cluster (10849)	
dash panel, LH side	15 - A4
Instrument cluster (10849)	
dash panel, LH side	16 - B7
Intake Air Temperature (IAT) sensor - Diesel	
engine compartment, in intake system	3 - B4
Intake Manifold Tuning Valve (IMTV) - 6.8L	
front of engine, top, center	11 - B6
Interior lamps relay	
in Instrument Cluster (not serviceable)	15 - B4
Interior/map lamps assembly, front	
in roof panel, front, center	28 - A4
Interior/map lamps assembly, rear	
in roof panel, above rear seats	28 - B6
In-vehicle temperature sensor (19C734)	
behind dash panel, LH side, near steering column	16 - E7
Key pad switch assembly	
in driver door	22 - B2
Key warning switch (11A127)	
on steering column	17 - F7
Knock sensor #1 (12A699) - 5.4L	
engine, rear, LH cylinder head	8 - E6
Knock sensor #2 (12A699) - 5.4L	
engine, rear, RH cylinder head	8 - D1
License plate lamp, left (13550)	
vehicle rear end	29 - B2
License plate lamp, right (13550)	
vehicle rear end	29 - B2
Main light switch (11654)	
dash panel, LH side, near steering column	16 - C8
Main light switch (11654)	
dash panel, LH side, near steering column	15 - A2
Manifold Absolute Pressure (MAP) sensor - Diesel	
engine compartment, rear	3 - A3
Manifold Absolute Pressure (MAP) sensor	
engine compartment, rear	30 - B7
Manifold Air Temperature (MAT) sensor - 6.0L Diesel	
engine, LH side	12 - A6

Components**Location View 151-*/coordinates**

Mass Air Flow (MAF) sensor (13480)	
engine compartment, in intake system	1 - A4
Mass Air Flow (MAF) sensor (13480) - Diesel	
engine compartment, in intake system	3 - F4
Master window adjust switch (14540)	
in driver door, top	22 - A6
Message center module switch	
in dash panel, center	16 - B7
Multifunction switch	
on steering column	18 - D7
Multifunction switch	
on steering column	18 - B5
Multi-function switch	
on steering column	16 - B8
Oil pressure switch (9278) - 5.4L	
engine, LH side, lower	7 - F6
Oil pressure switch (9278) - 6.0L Diesel	
engine, LH side, lower	13 - B7
Oil pressure switch (9278) - 6.8L	
engine, LH side, lower	10 - F4
Output Shaft Speed (OSS) sensor (7H103)	
transmission, rear	14 - C6
Overhead console	
in roof panel, front	28 - A3
Park lamp relay	
in Vehicle Security Module (VSM) (not serviceable)	28 - C1
Park/stop/turn lamp, left rear	
vehicle rear end, LH side	29 - A1
Park/stop/turn lamp, right rear	
vehicle rear end, RH side	29 - B3
Park/turn lamp, left front (13411)	
front of vehicle, LH side	1 - E7
Park/turn lamp, right front (13411)	
front of vehicle, RH side	1 - F2
Parking aid disable switch (15A860)	
dash panel, LH side	16 - B5

Parking Aid Module (PAM) (15T850)	
RH A-pillar, behind trim panel	16 - E2
Parking aid sensor, inner left (15K859)	
rear bumper, LH side	29 - F2
Parking aid sensor, inner right (15K859)	
rear bumper, RH side	29 - E3
Parking aid sensor, outer left (15K859)	
rear bumper, LH side	31 - B7
Parking aid sensor, outer left (15K859)	
rear bumper, LH side	29 - E1
Parking aid sensor, outer right (15K859)	
rear bumper, RH side	31 - A5
Parking aid sensor, outer right (15K859)	
rear bumper, RH side	29 - E4
Parking aid speaker	
RH A-pillar, behind trim panel	16 - F2
Parking brake switch (15A851)	
in footwell, driver side	28 - F2
Passenger Air bag Deactivation (PAD) switch	
dash panel, center	15 - B6
Passenger Air bag Deactivation (PAD) switch - Instrument Panel	
dash panel, center	16 - A4
Passenger air bag module (15044A74)	
dash panel, RH side	16 - A2
PCM power diode	
in Central Junction Box (CJB) (not serviceable)	16 - E8
PCM power relay	
in Central Junction Box (CJB)	16 - E8
Power point, instrument panel (19N236)	
dash panel, center, bottom	16 - A3
Power seat motor assembly, left	
under driver seat	20 - F5
Power seat motor assembly, right	
under passenger seat	21 - F6
Power sliding rear window motor (14A464)	
vehicle interior, rear, center	28 - D7
Power sliding rear window switch	
dash panel, center	16 - A7

Components**Location****View 151-*/coordinates**

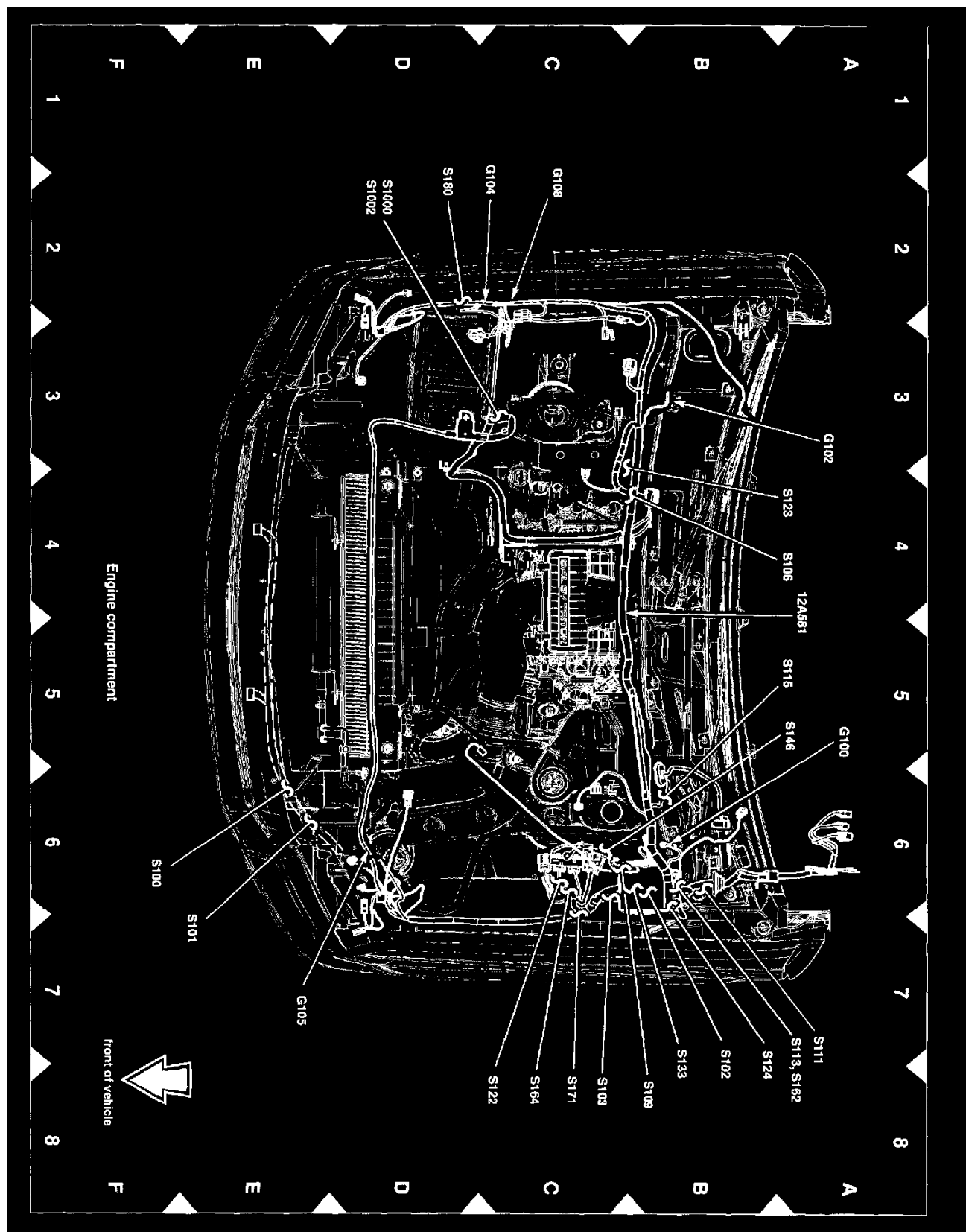
Power window motor, driver side front (23395)	22 - D7
in driver door	
Power window motor, left rear (23394)	26 - C6
in LH rear door	
Power window motor, passenger side front (23394)	23 - D2
in passenger door	
Power window motor, right rear (23394)	27 - C2
in RH rear door	
Powertrain Control Module (PCM) (12A650)	5 - B7
engine compartment, left fender	
Powertrain Control Module (PCM) (12A650)	1 - A3
engine compartment, RH side, rear	
Powertrain Control Module (PCM) (12A650) - 6.8L	11 - A6
engine compartment, RH side, rear	
Powertrain Control Module (PCM) (12A650) - 5.4L	7 - A3
engine compartment, RH side, rear	
Powertrain Control Module (PCM) (12A650) - 6.8L	10 - A3
engine compartment, RH side, rear	
Radio	
dash panel, center	16 - B5
Radio (18806)	
dash panel, center	15 - A5
Rear axle speed sensor (4B409)	31 - B3
on differential	
Rear marker lamp assembly	29 - F3
vehicle rear end, center	
Remote solenoid assembly	17 - E3
dash panel, behind A/C control	
Restraints control module (14B321)	16 - F4
behind dash panel, center	
Restraints control module (14B321)	15 - E6
behind dash panel, center	
Reversing lamp relay	16 - E8
in Central Junction Box (CJB)	
Reversing lamp, left (13411)	29 - B2
vehicle rear end, LH side	

Reversing lamp, right (13411)	29 - F5
vehicle rear end, RH side	
Reversing lamps switch	14 - F3
manual transmission, LH side, rear	
Roof marker lamp, center	28 - A3
roof, front	
Roof marker lamp, left	28 - B4
roof, front	
Roof marker lamp, left center	28 - A3
roof, front	
Roof marker lamp, right	28 - A1
roof, front	
Roof marker lamp, right center	28 - A2
roof, front	
Roof opening panel module (502D70)	28 - A4
in roof panel, above rear seats	
Roof opening panel motor assembly (15790)	28 - B5
in roof panel	
Running board lamp, left front	28 - F4
vehicle exterior, LH side	
Running board lamp, left rear	28 - F7
vehicle exterior, LH side	
Running board lamp, right front	29 - D8
vehicle exterior, RH side	
Running board lamp, right rear	29 - E7
vehicle exterior, RH side	
Safety belt buckle switch (10B924)	20 - D7
seat belt buckle, driver side	
Seat adjust switch, driver side front (14A701)	20 - E6
driver seat, LH side	
Seat adjust switch, passenger side front (14A701)	21 - C3
under passenger seat, RH side	
Seat back heater, left front	20 - E2
driver seat	
Seat back heater, right front	21 - E3
under passenger seat, RH side	
Seat cushion heater, left front	20 - E2
driver seat	
Seat cushion heater, right front	21 - F2
under passenger seat, RH side	

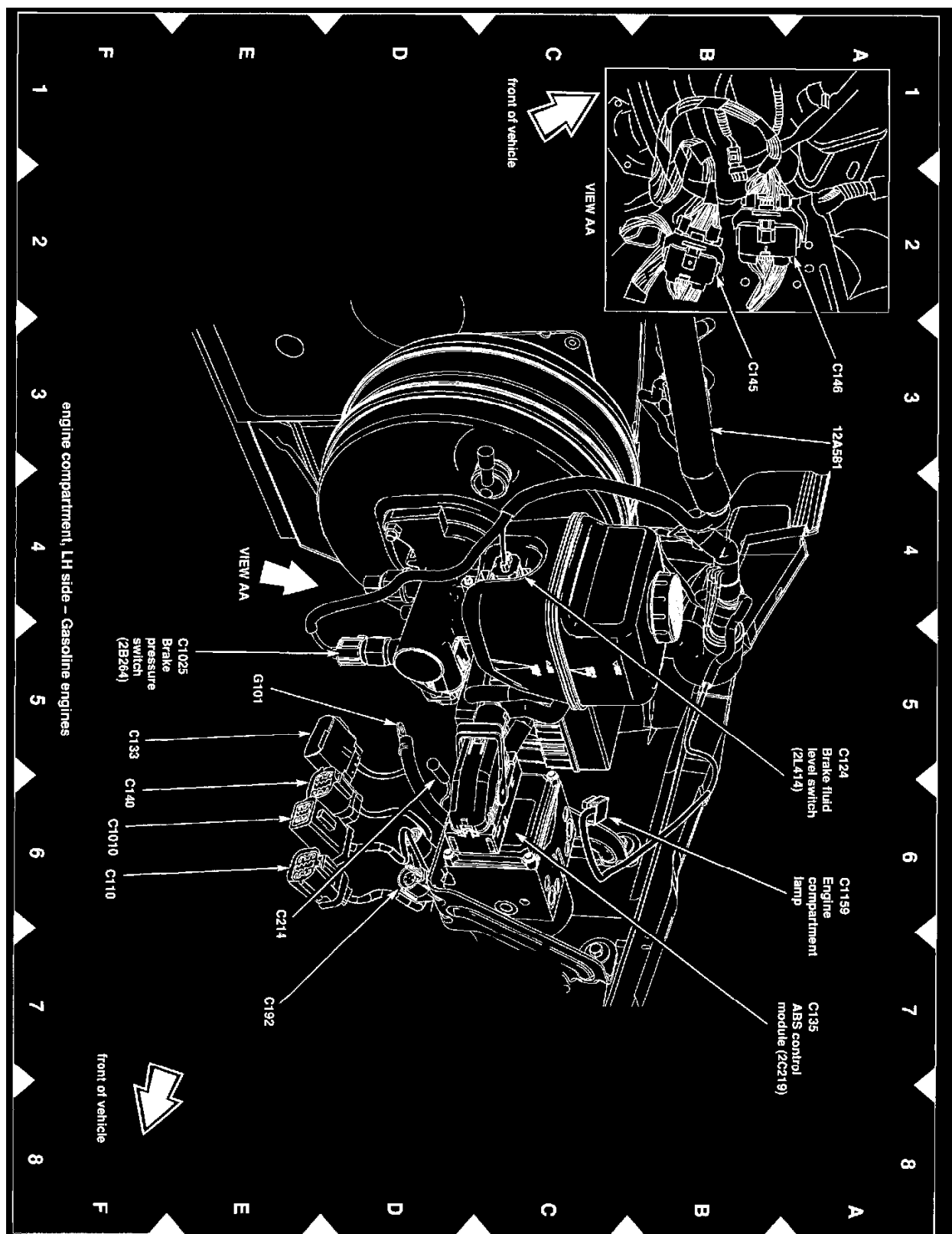
Components	Location	View 151-*/coordinates
Seat heater switch, driver side	driver seat, LH side	20 - E3
Seat heater switch, passenger side	under passenger seat, RH side	21 - D2
Side lamp 1, LH rear	truck bed, left fender, front	28 - B7
Side lamp 1, RH rear	truck bed, right fender, front	29 - E6
Side lamp 2, LH rear	truck bed, left fender, rear	28 - D8
Side lamp 2, RH rear	truck bed, right fender, rear	29 - E6
Side lamp, left front (13411)	front of vehicle, LH side	1 - E7
Side lamp, right front (13411)	front of vehicle, RH side	1 - E1
Speaker, left front (18808)	in driver door	22 - D7
Speaker, left rear (18808)	in LH rear door	28 - E7
Speaker, right rear (18808)	in LH rear door	24 - C6
Speaker, right front (18808)	in passenger door	23 - E2
Speaker, right rear (18808)	in RH rear door	25 - C2
Speaker, right rear (18808)	in RH rear door	28 - A5
Speed sensor assembly (7M101)	transmission, front	14 - B5
Starter motor (11002) - 5.4L	engine, bottom, RH side	8 - E5
Starter relay	in Central Junction Box (CJB)	16 - E8
Steering wheel radio switch	on steering column	15 - B4
Steering wheel/speed control switch (9F924)	on steering column	15 - E2
Sunload sensor (13A018)	dash panel, top	16 - B3
Temperature blend door actuator (19E616)	under dash panel, RH side	16 - D2
Throttle Position Sensor (TPS) (9B989) - 5.4L	throttle body, LH side	8 - A5
Throttle Position Sensor (TPS) (9B989) - 6.8L	throttle body, RH side	10 - A5
TorqShift transmission	vehicle underbody, RH side, on transmission	14 - C7
Tow/haul switch (7G550)	on steering column, LH side	16 - C8
Tow/haul switch (7G550)	on steering column, LH side	18 - B3
Trailer Brake Control (TBC) module	behind dash panel, LH side	17 - D2
Trailer tow connector, 4-pin	vehicle rear end	29 - E3
Trailer tow connector, 7-pin	vehicle rear end	29 - E2
Trailer tow relay, battery charge	in Central Junction Box (CJB)	16 - E8
Trailer tow relay, left turn	in Battery Junction Box (BJB)	1 - B8
Trailer tow relay, parking lamp	in Central Junction Box (CJB) (not serviceable)	16 - E8
Trailer tow relay, right turn	in Battery Junction Box (BJB)	1 - B8
Transfer case assembly	on transfer case	14 - C7
Transfer case assembly	on transfer case	14 - E4
Transfer case high to low relay	in Auxiliary relay box 3	1 - A8
Uplifter relay	in Central Junction Box (CJB)	16 - E8
Uplifter relay #1	in Uplifter relay box	16 - E3

Components	Location	View 151-*/coordinates
Uplifter relay #2	in Uplifter relay box	16 - E3
Uplifter relay #3	in Uplifter relay box	16 - E3
Uplifter relay #4	in Uplifter relay box	16 - E3
Uplifter relay box (14A464)	behind glove box	16 - E3
Uplifter switch	dash panel, center	15 - E6
Vacuum pump motor	engine compartment, RH side	3 - B2
Vacuum pump motor	engine compartment, RH side	3 - B2
Vacuum pump motor	engine compartment, RH side	30 - E4
Vanity mirror lamp, left (04100)	roof, LH side, front	28 - B1
Vanity mirror lamp, right (04100)	roof, RH side, front	28 - A1
Vapor management valve	engine compartment, rear	1 - C2
Variable camshaft timing solenoid #1 RH bank - 5.4L	engine, RH side, front	7 - B1
Variable camshaft timing solenoid #1 RH bank - 5.4L	engine, RH side, front	8 - C7
Variable camshaft timing solenoid #2 LH bank - 5.4L	engine, LH side, front	7 - F3
Variable geometric turbo actuator - 6.0L Diesel	engine, top	12 - A5
Vehicle Security Module (VSM) (15K602)	under dash panel, LH side	28 - C1
Water-in-fuel sensor	vehicle underbody, LH side, near transmission	32 - C2
Wheel speed sensor, left front (2C205)	engine compartment, LH side	1 - A5
Wheel speed sensor, right front (2C204)	engine compartment, RH side	1 - A3
Window adjust switch left rear (14A412)	in LH rear door, top	26 - B3
Window adjust switch, passenger side	in passenger door, top of door trim	23 - A3
Window adjust switch, right rear (14A412)	in RH rear door	27 - C7
Windshield washer pump motor (17618)	engine compartment, RH side	1 - E3
Windshield wiper motor (17D539)	engine compartment, rear	1 - A5

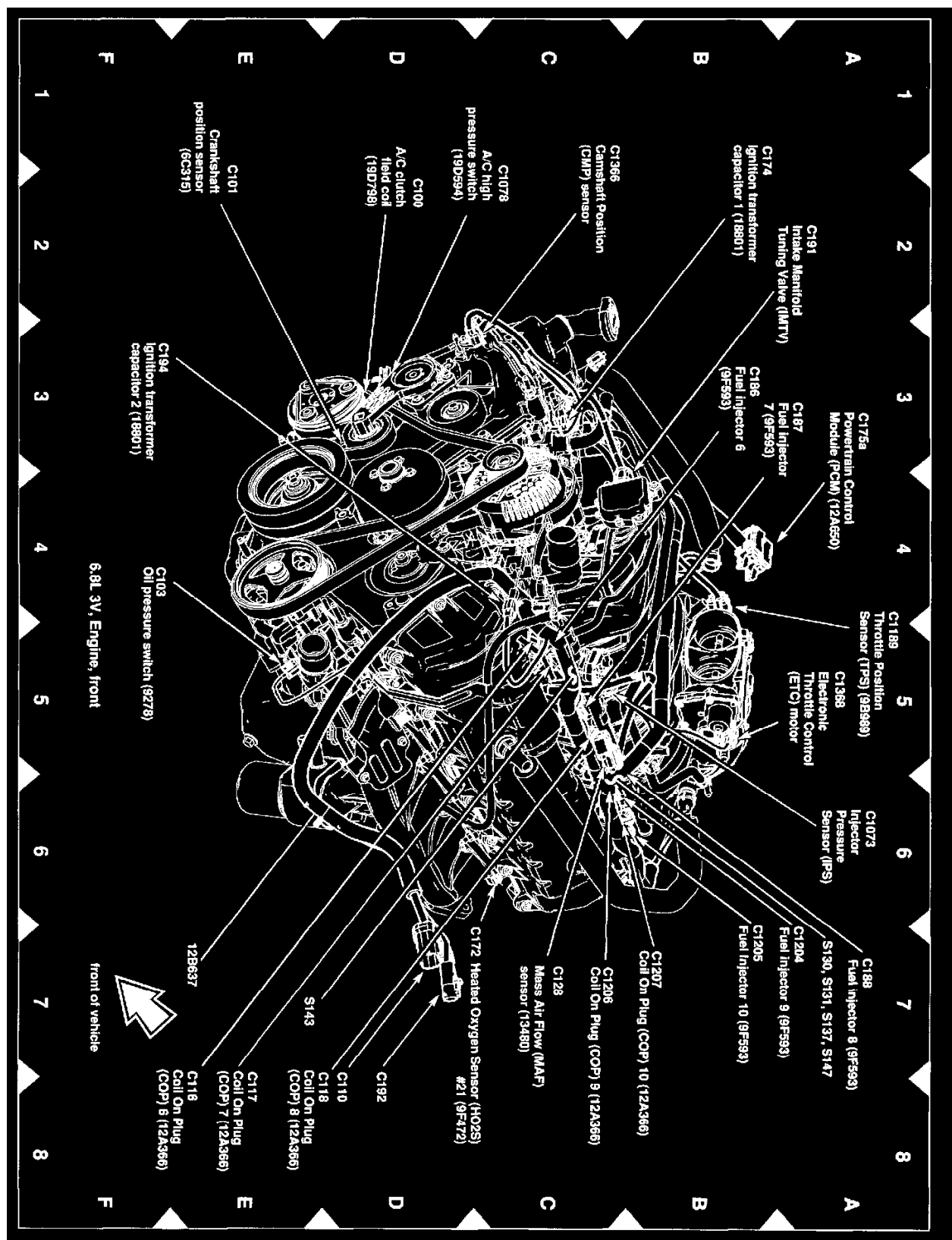




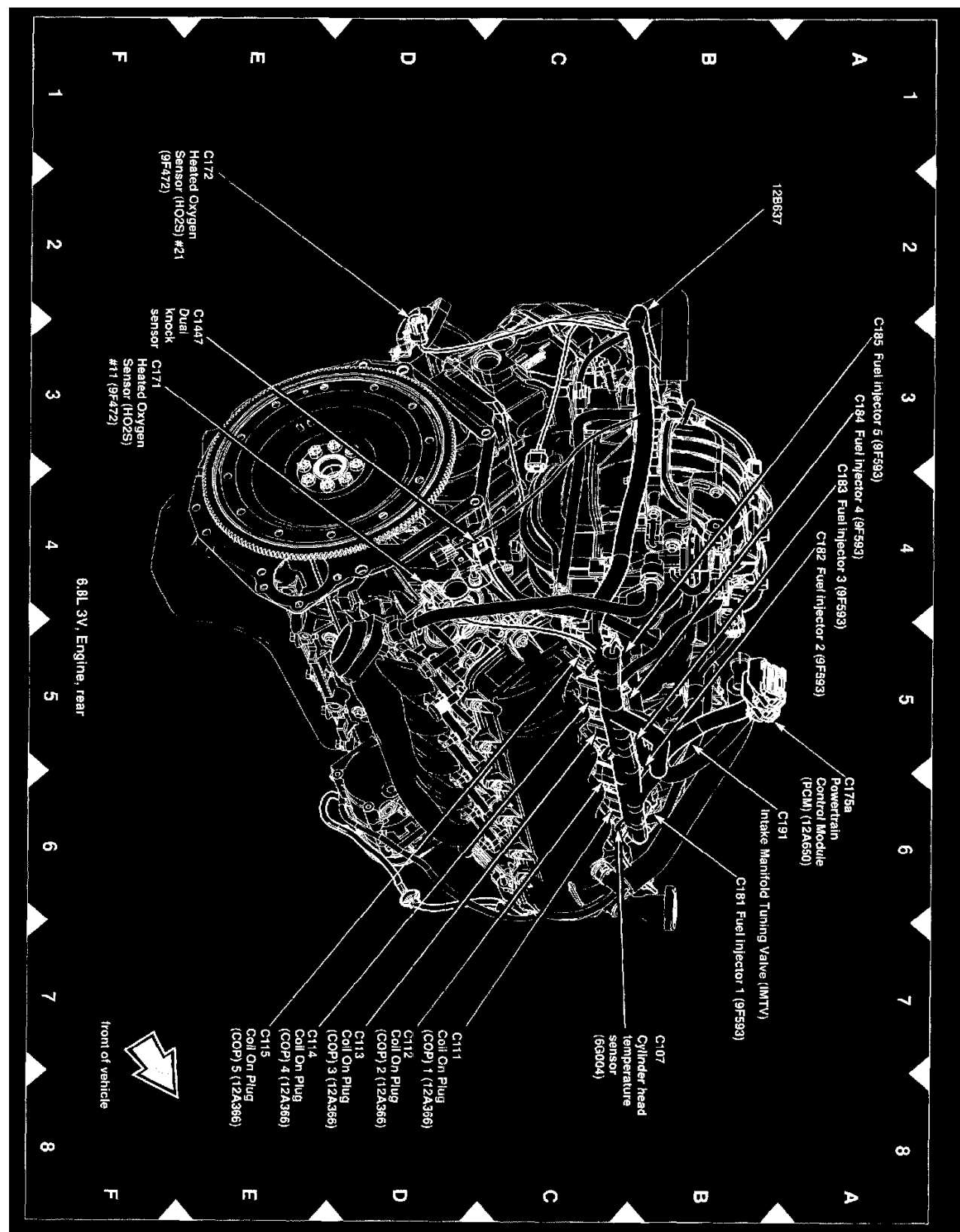
View 151-2 (Engine Compartment)



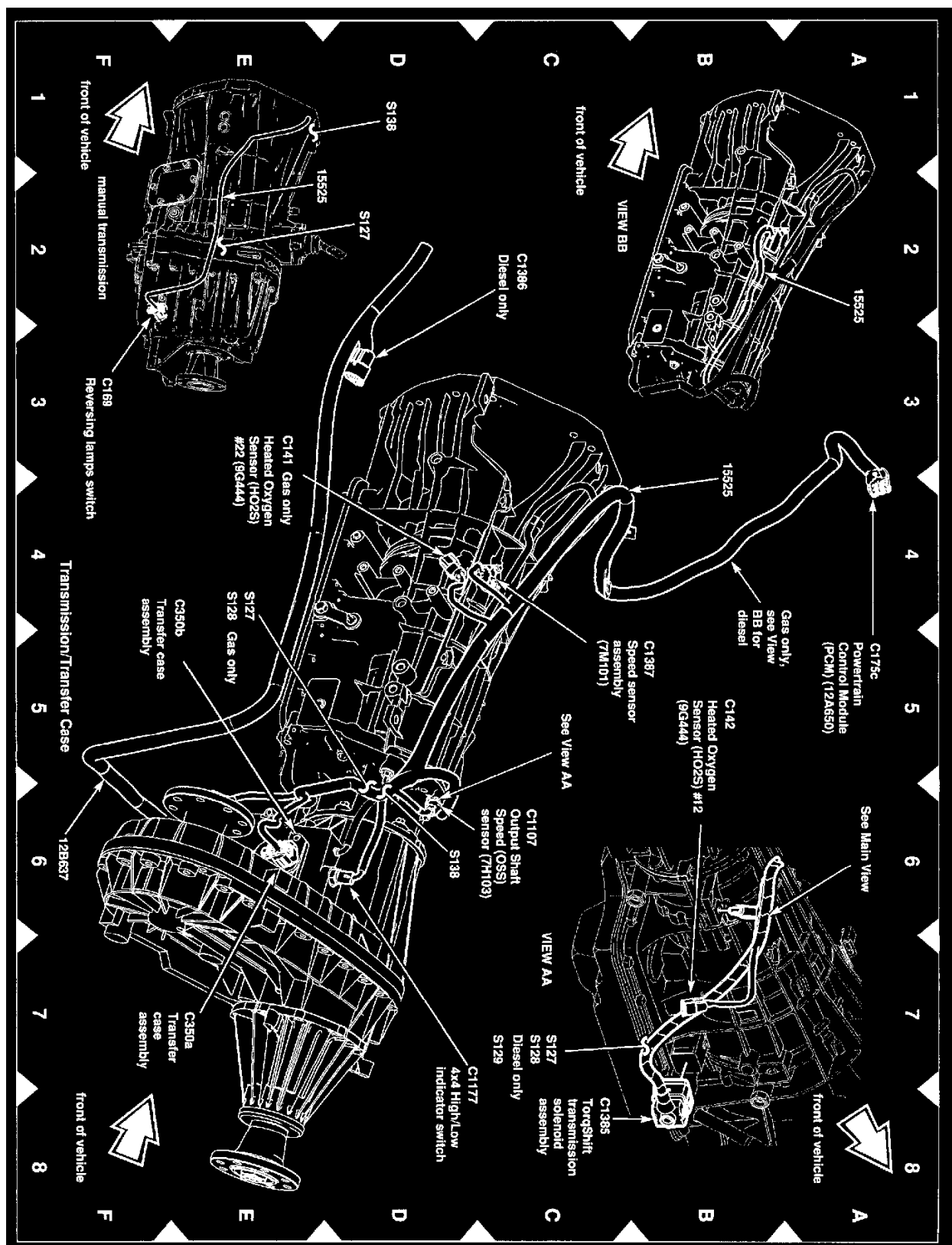
View 151-6 (Engine Compartment, LH Side)



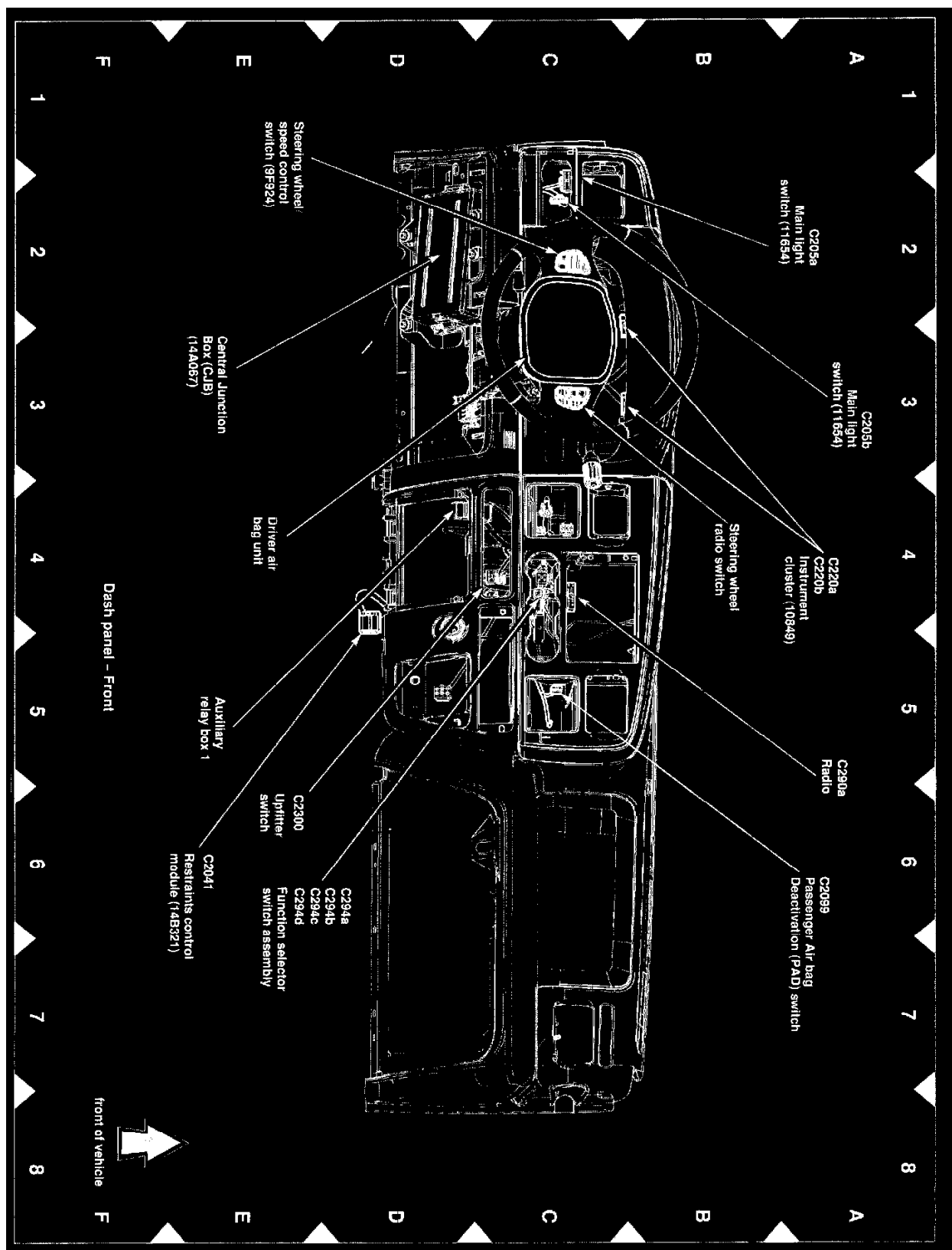
View 151-10 (Engine, Front)



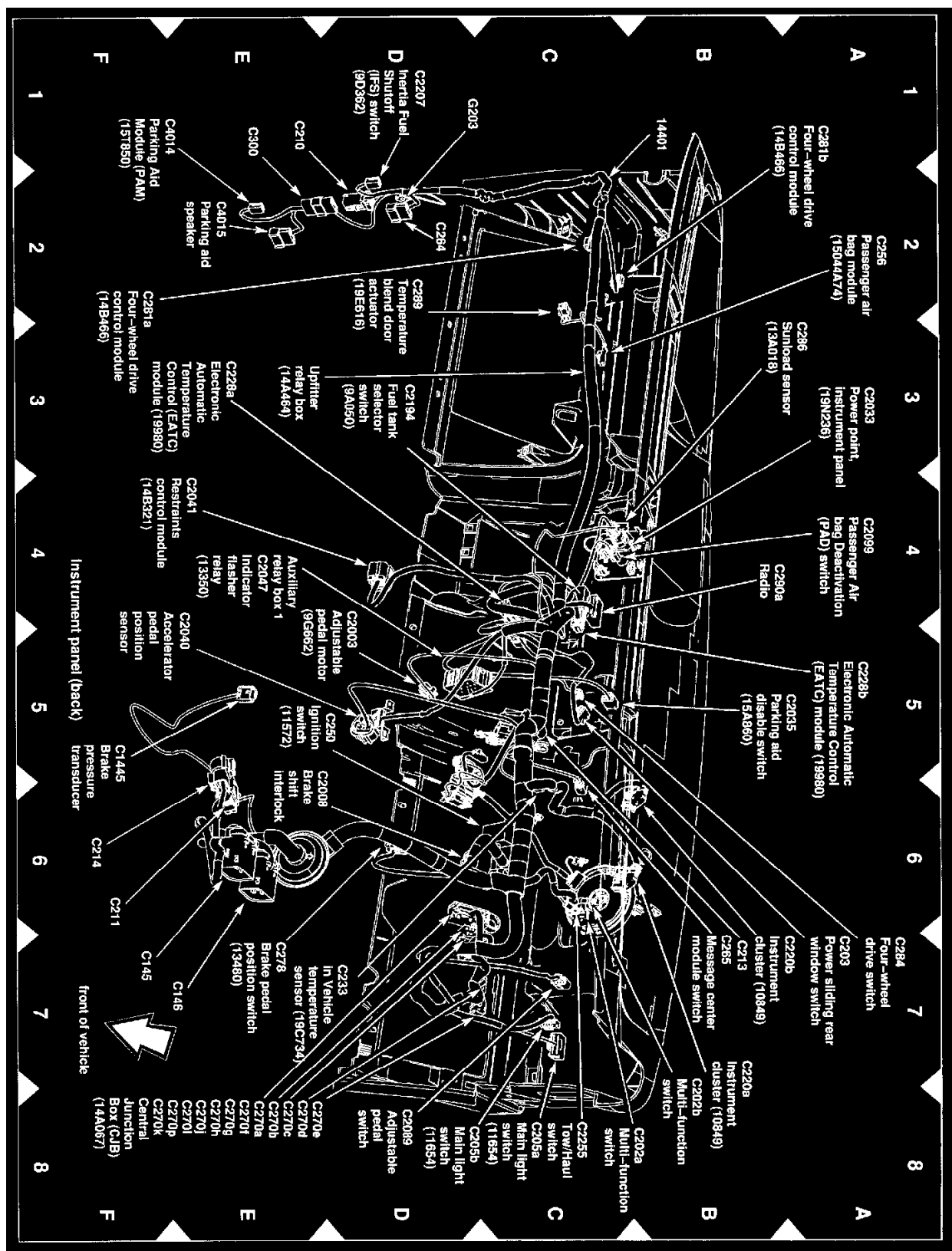
View 151-11 (Engine, Rear)



View 151-14 (Transmission/Transfer Case)



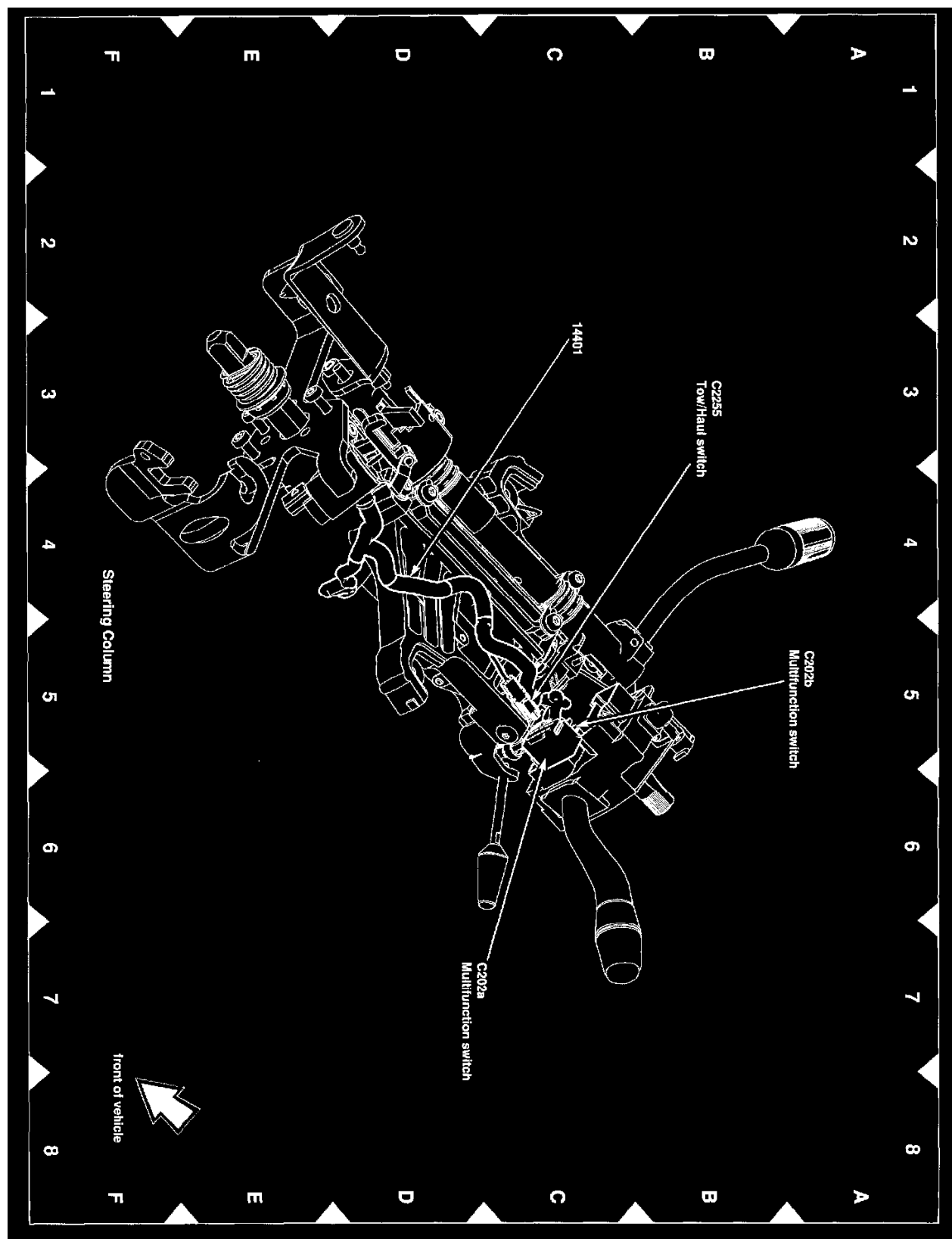
View 151-15 (Dash Panel - Front)



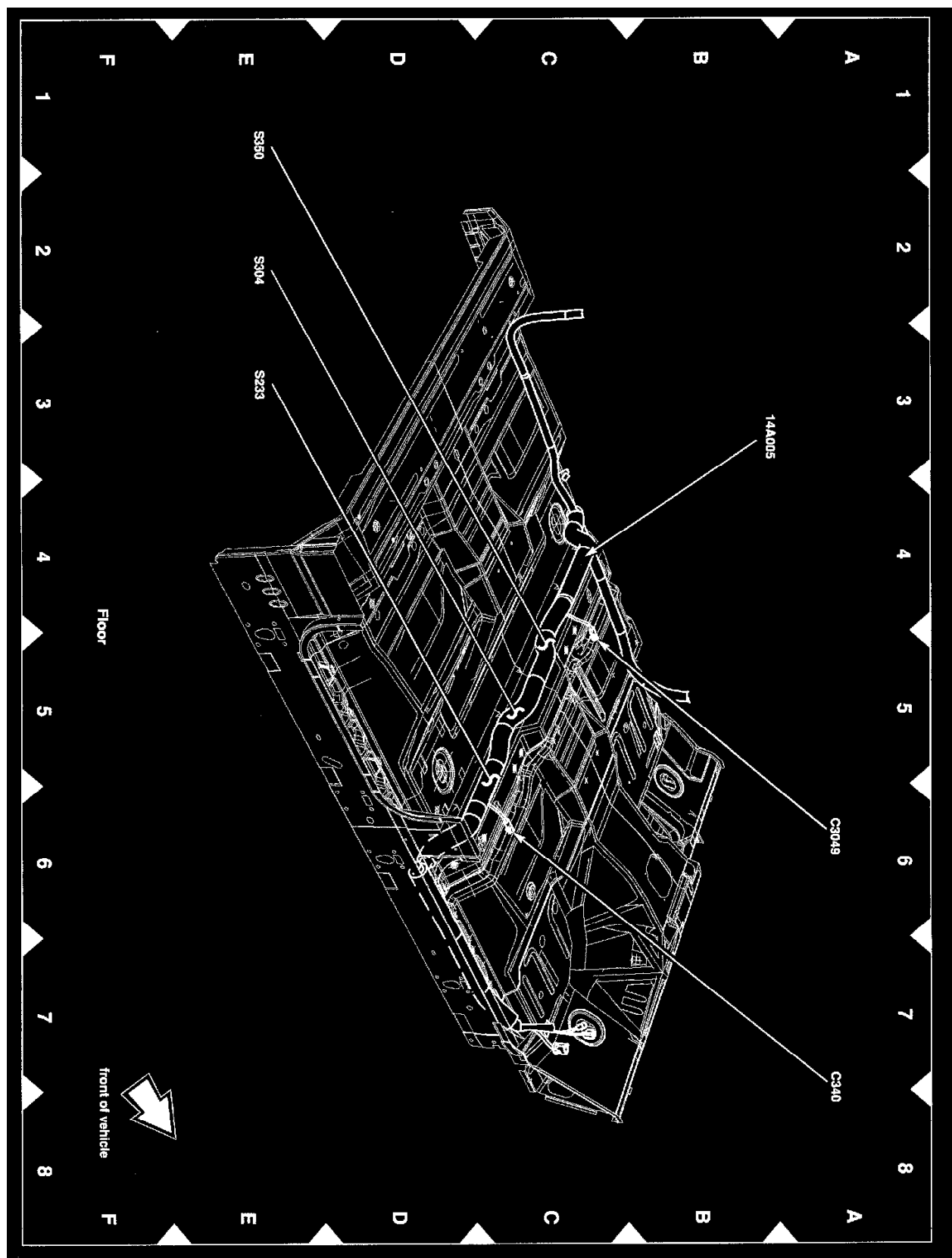
View 151-16 (Instrument Panel (Back))



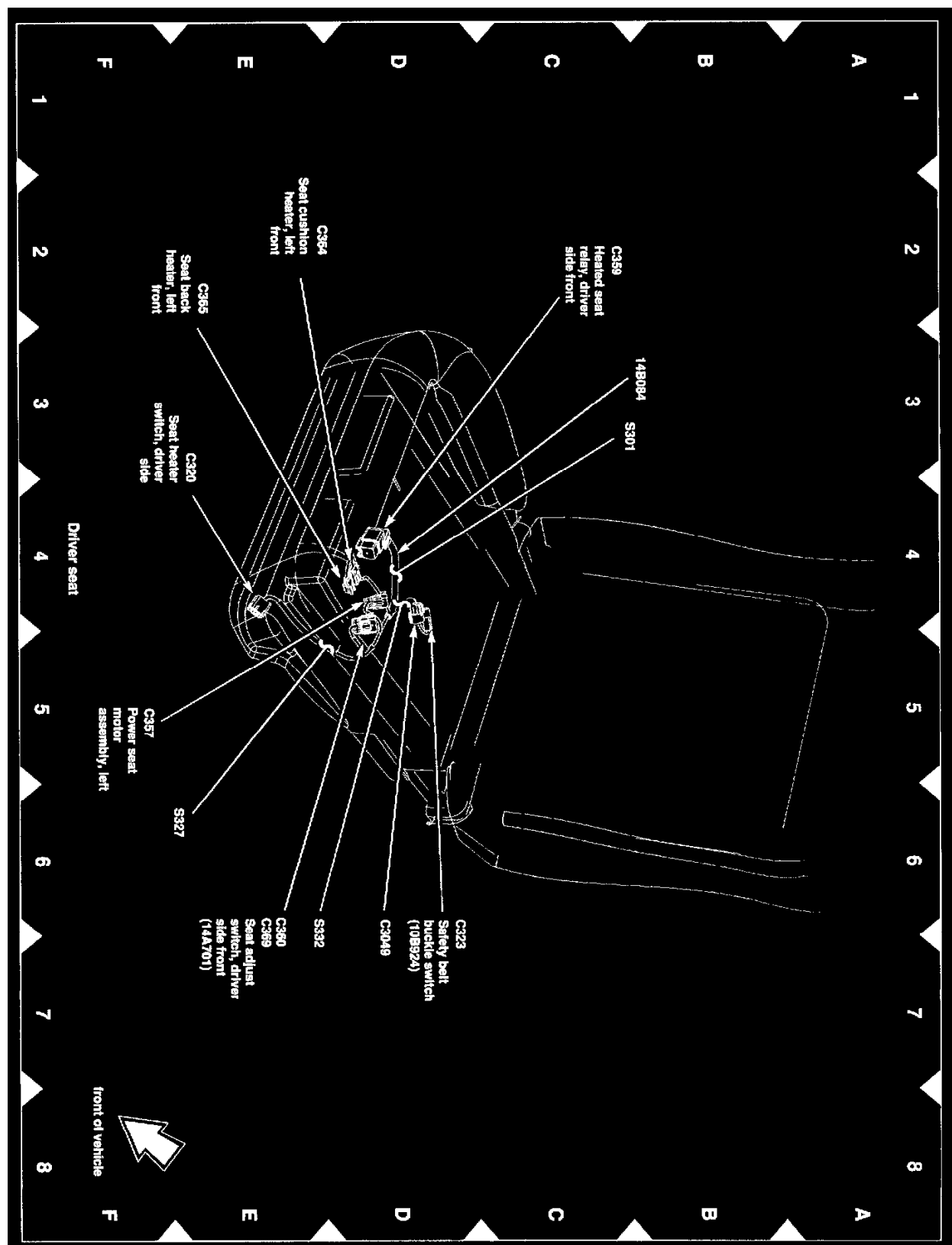
View 151-17 (Instrument Panel (Back))



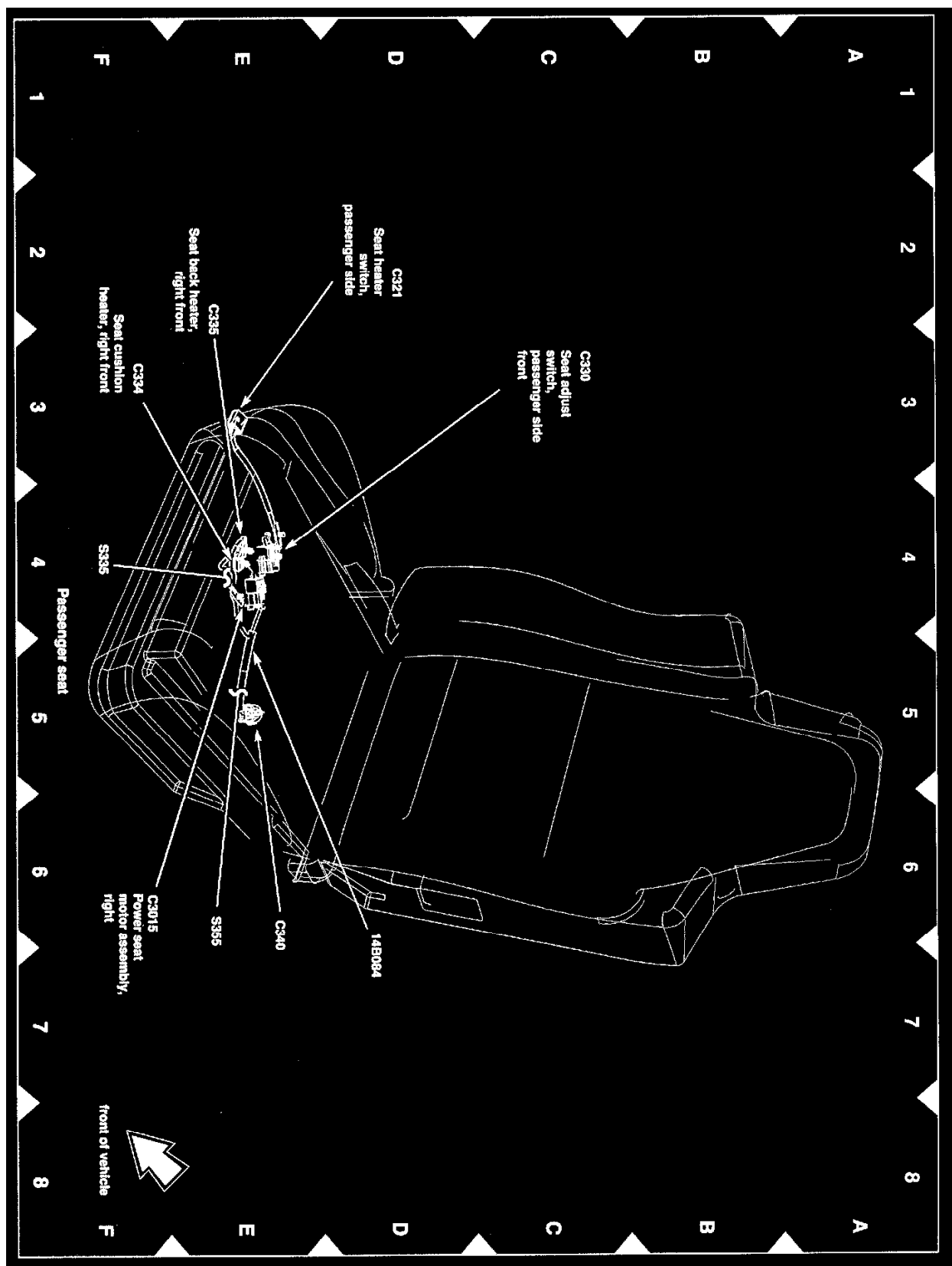
View 151-18 (Steering Column)



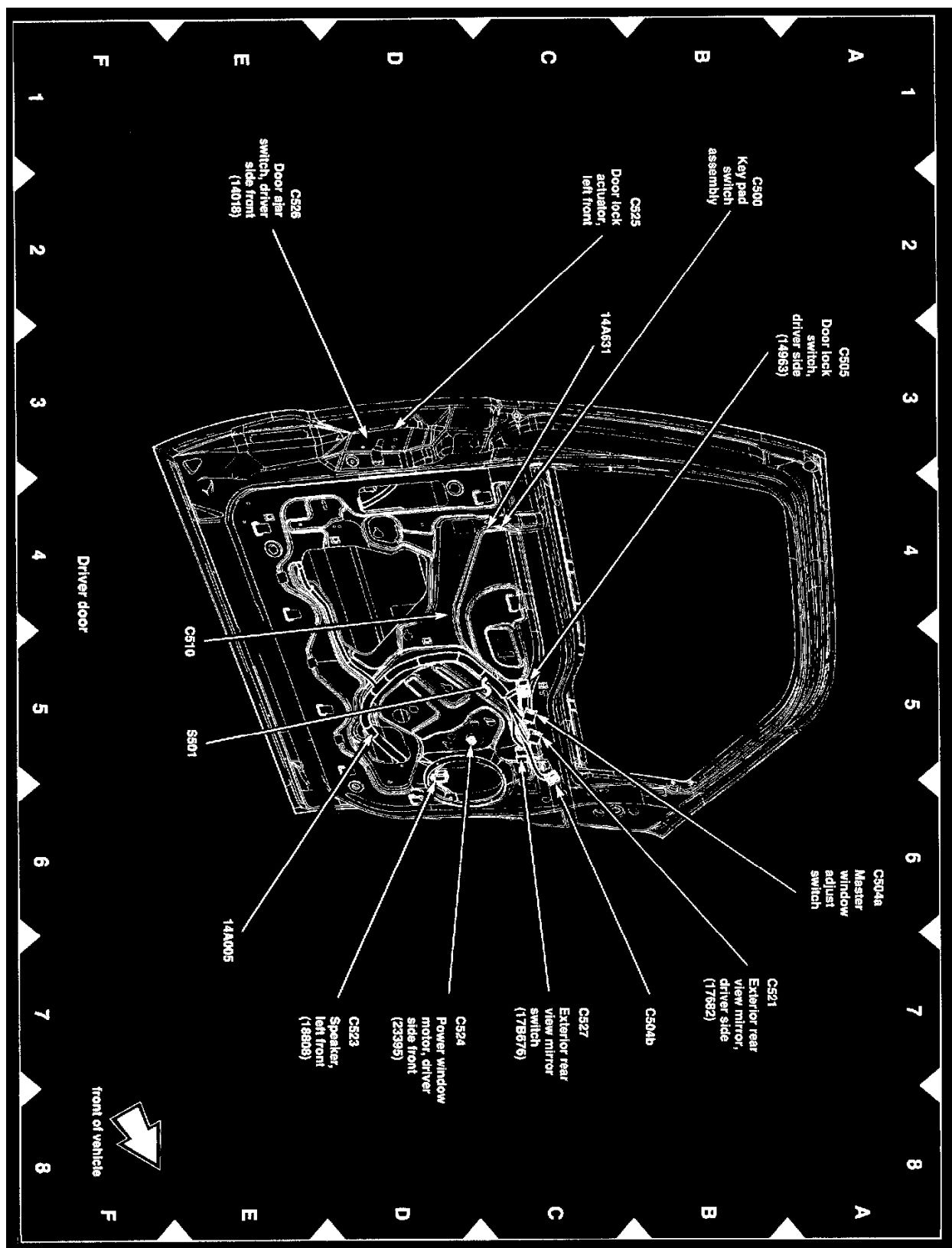
View 151-19 (Floor)



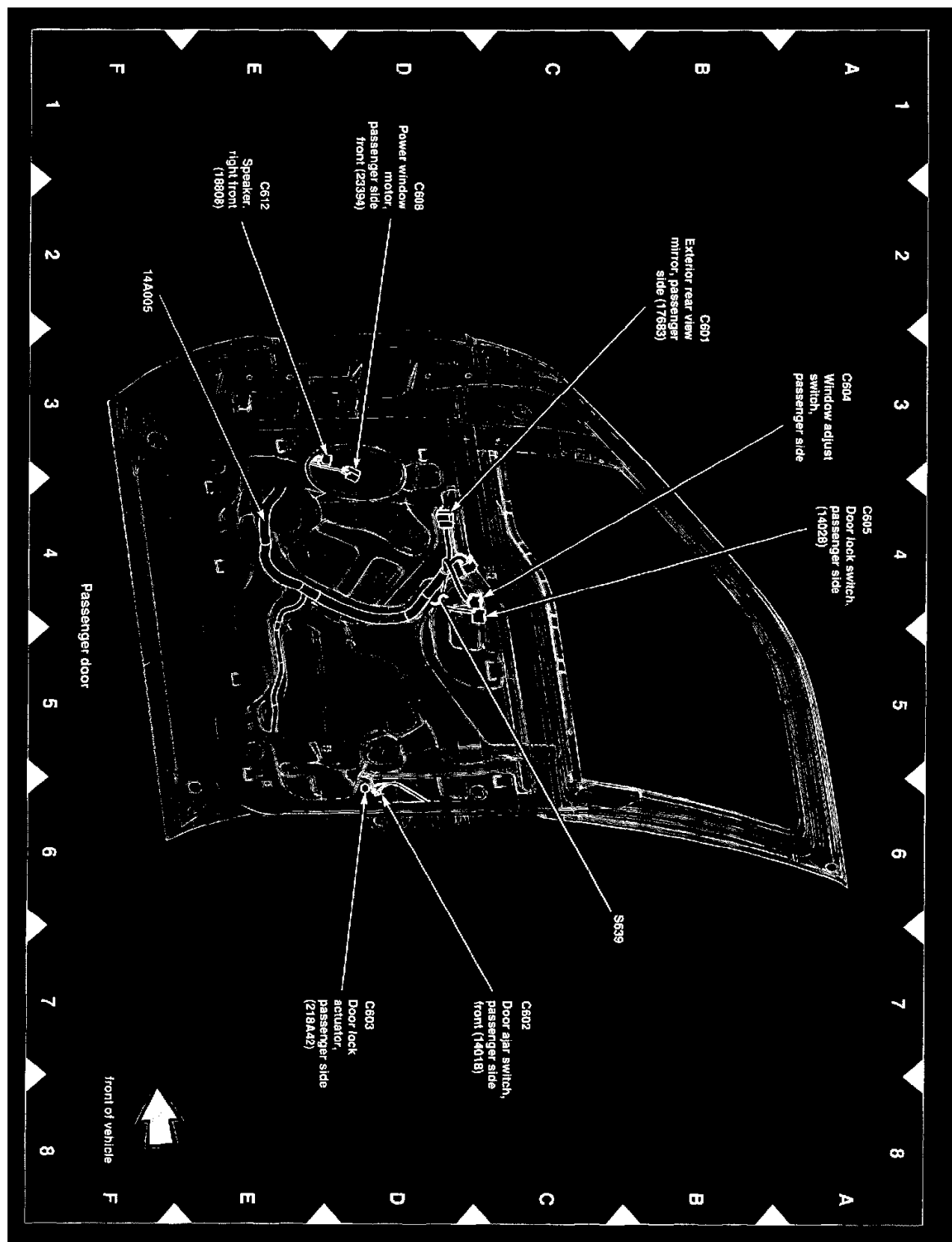
View 151-20 (Driver Seat)



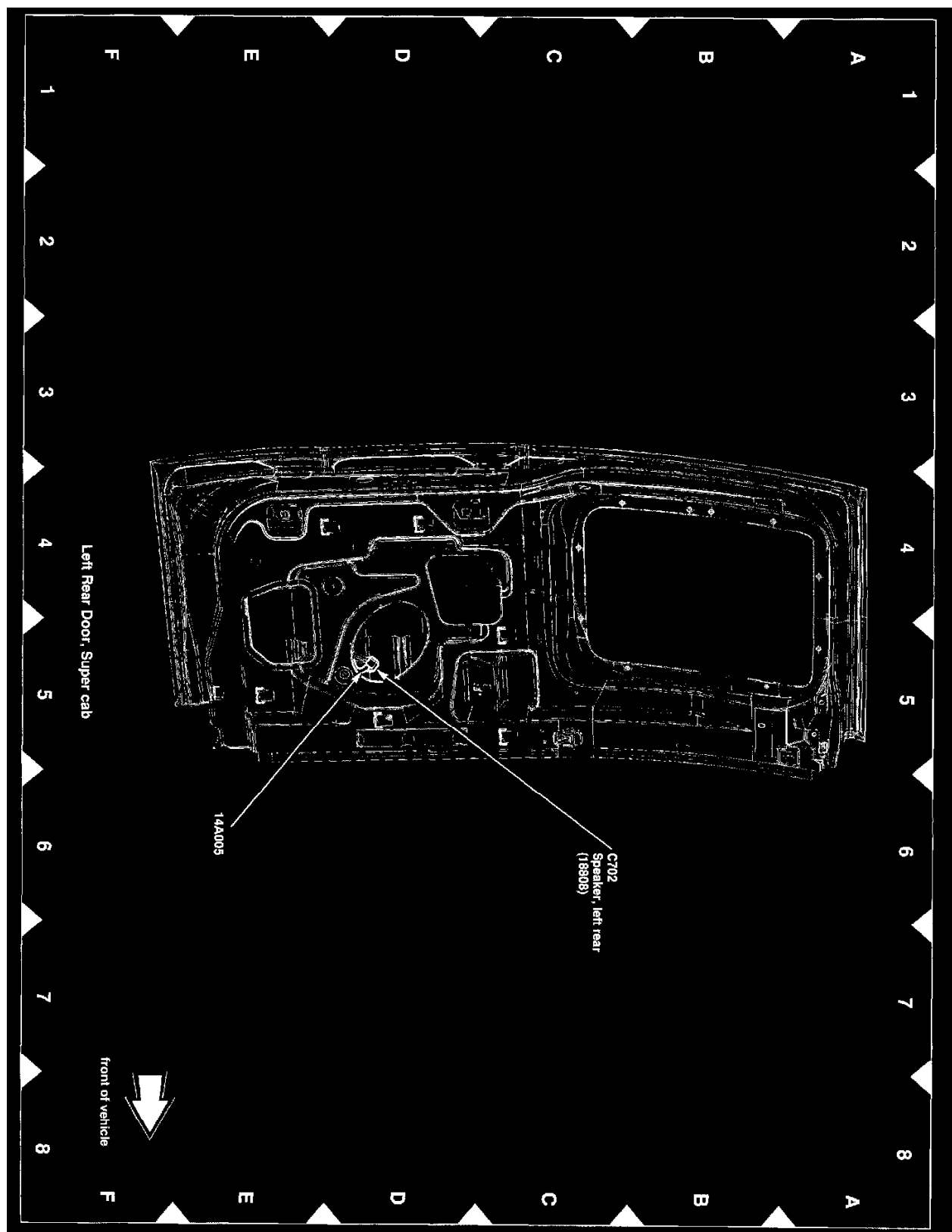
View 151-21 (Passenger Seat)



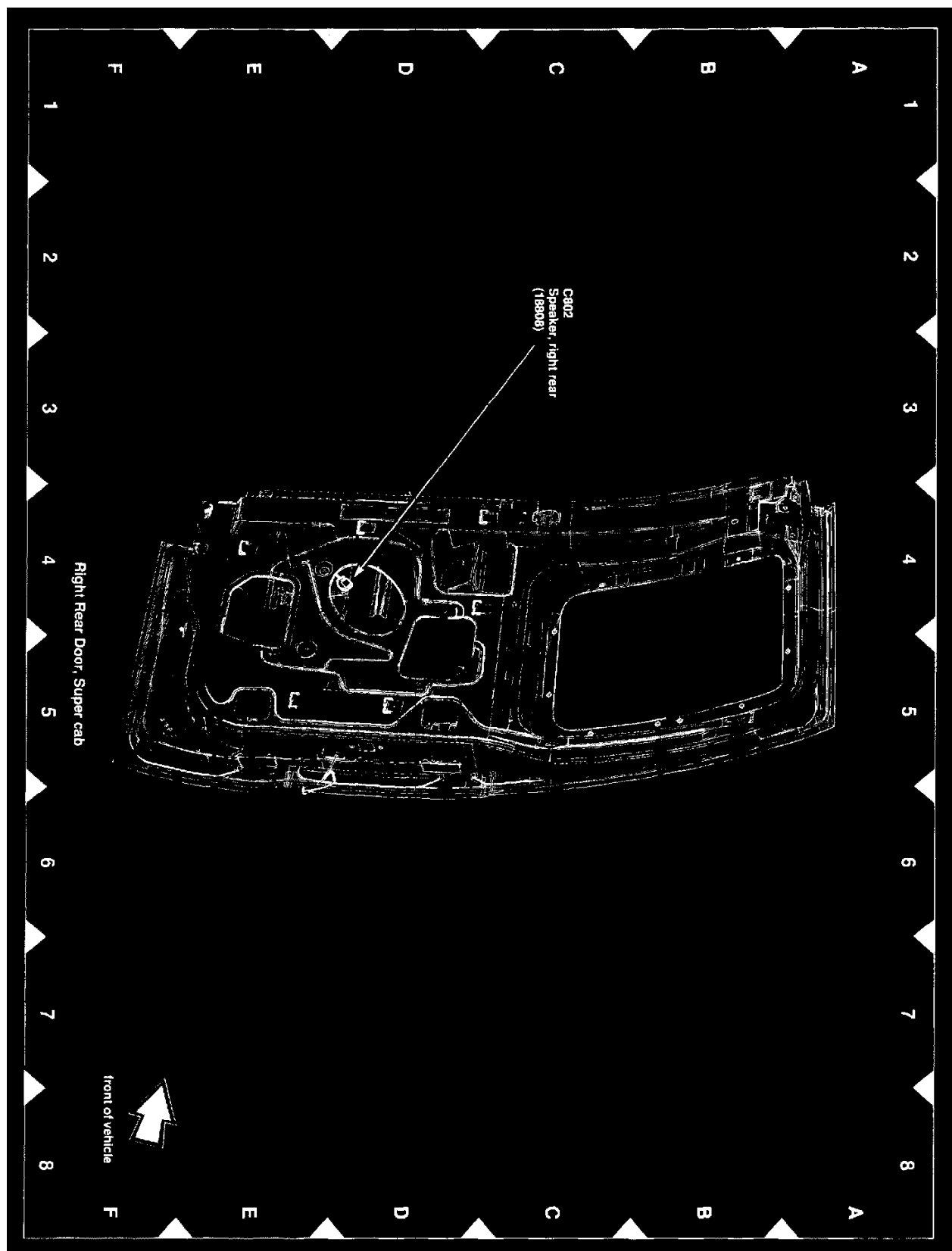
View 151-22 (Driver Door)



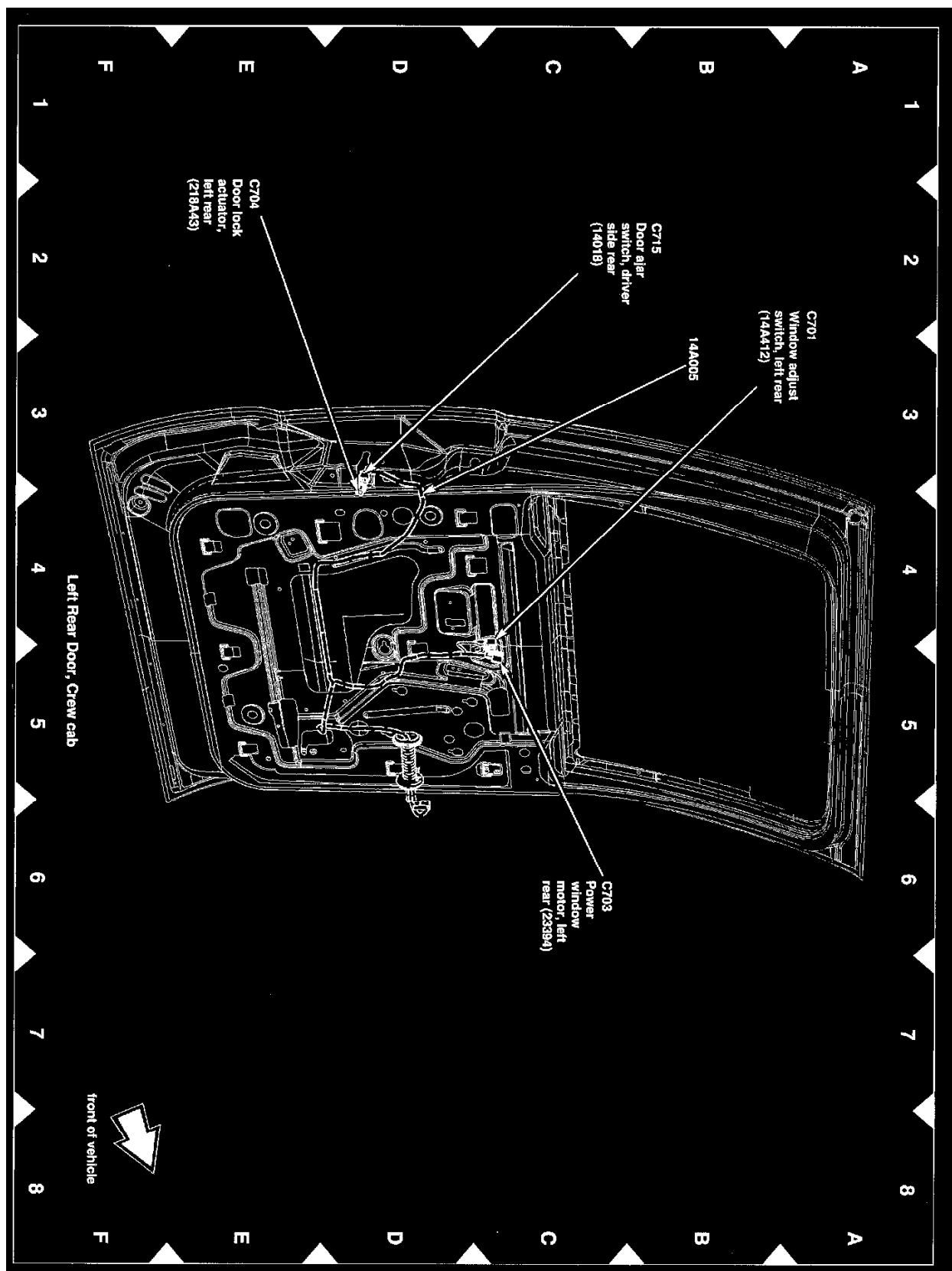
View 151-23 (Passenger Door)



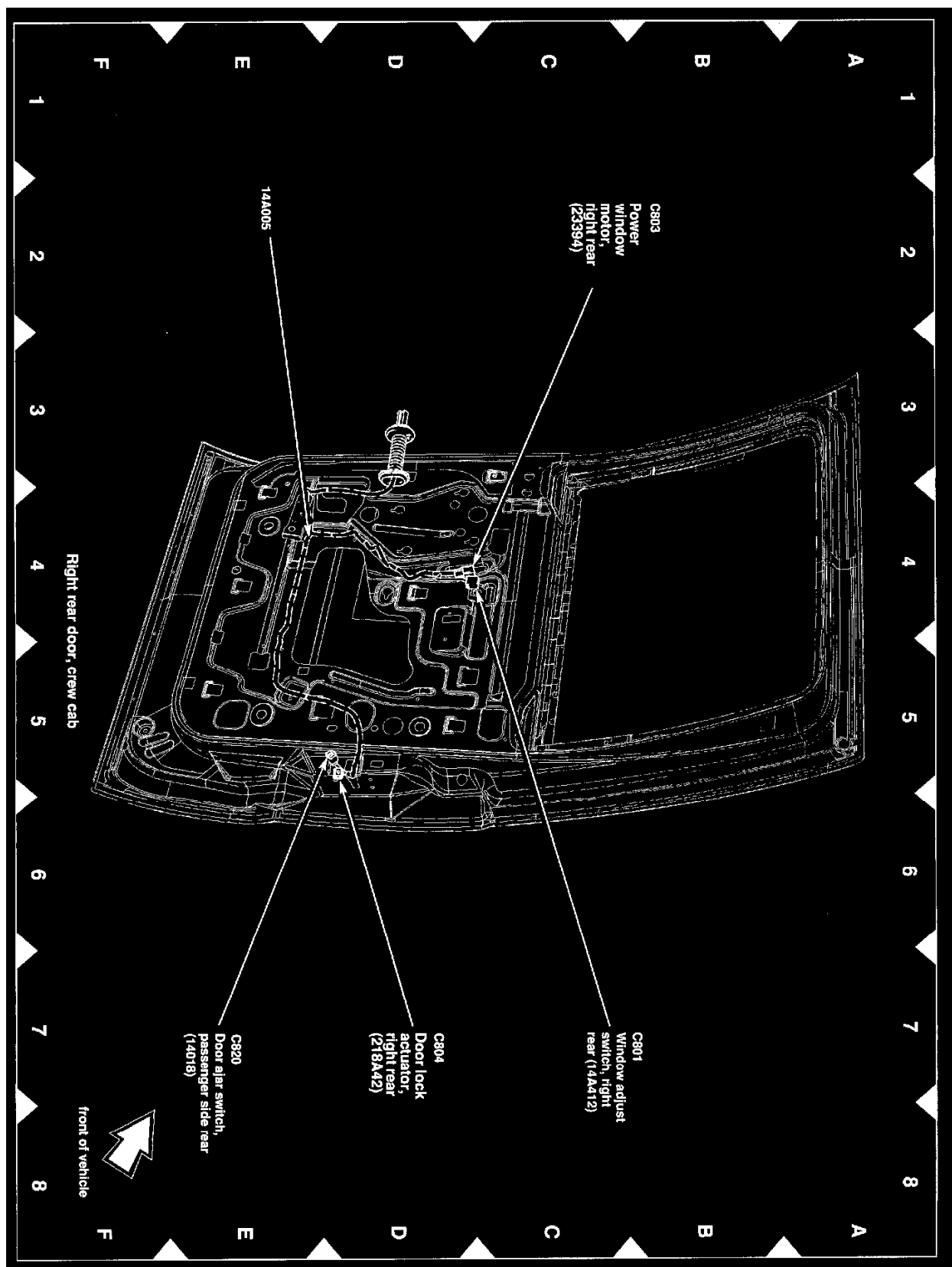
View 151-24 (Left Rear Door, Super Cab)



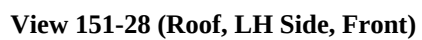
View 151-25 (Right Rear Door, Super Cab)

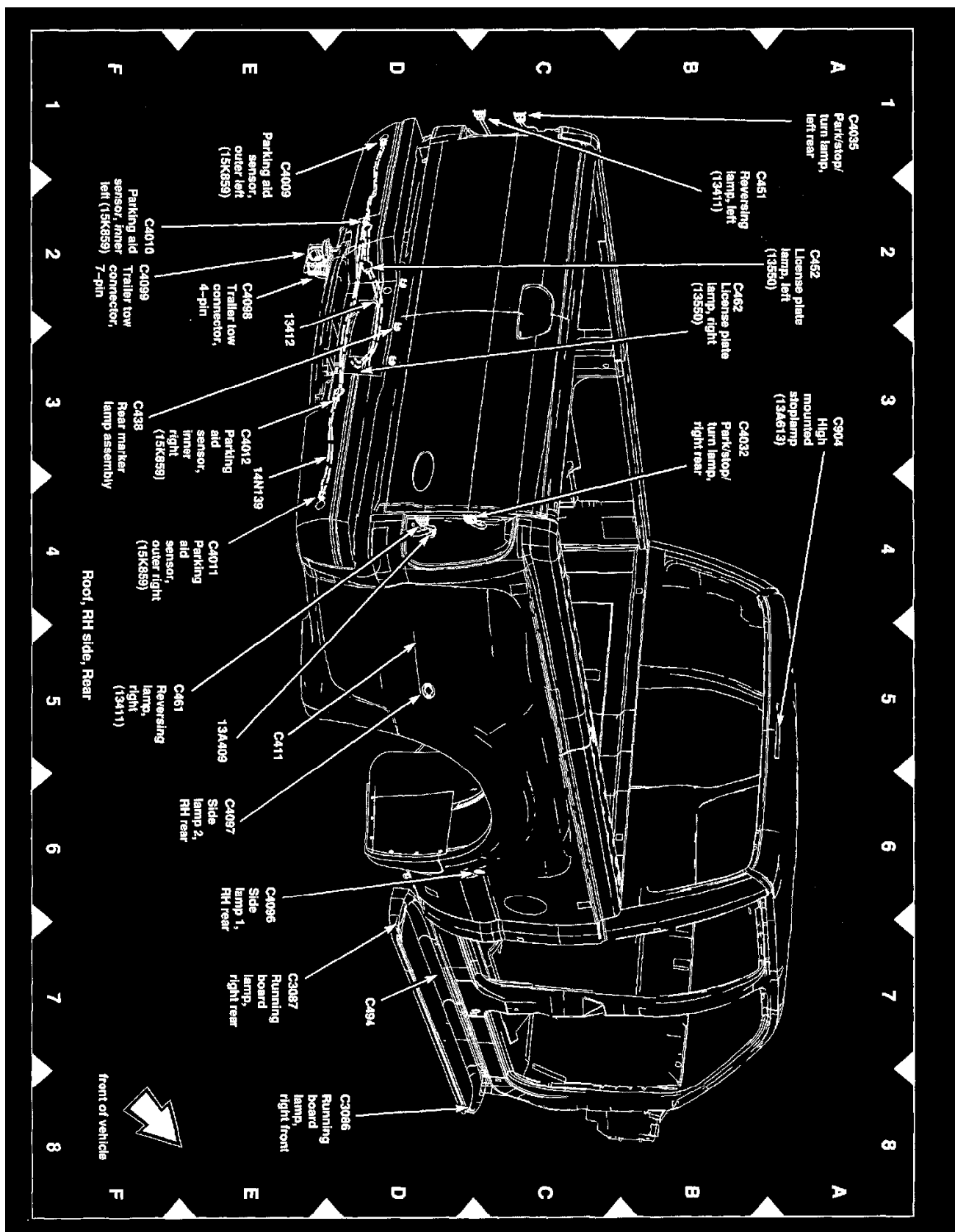


View 151-26 (Left Rear Door, Crew Cab)

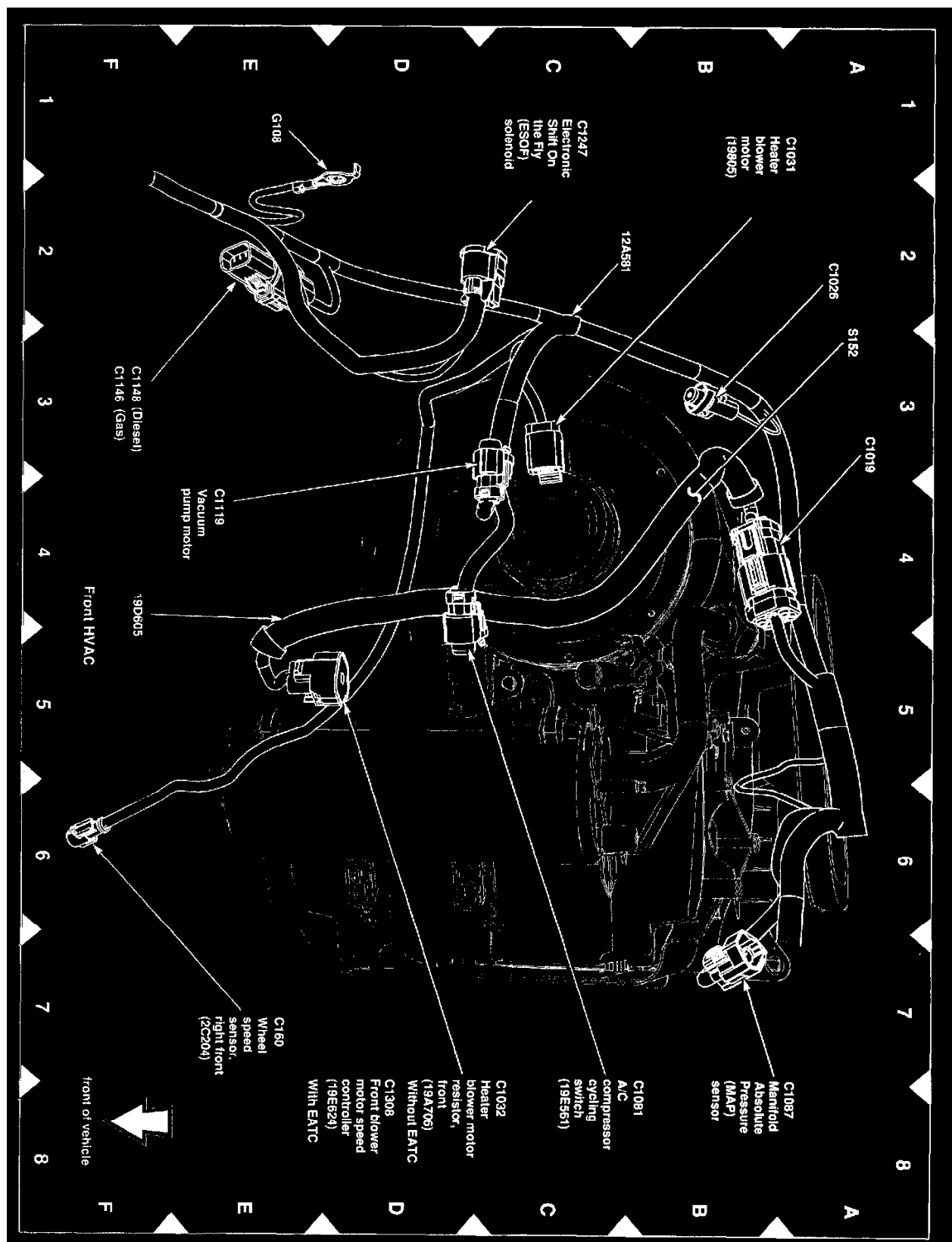


View 151-27 (Right Rear Door, Crew Cab)

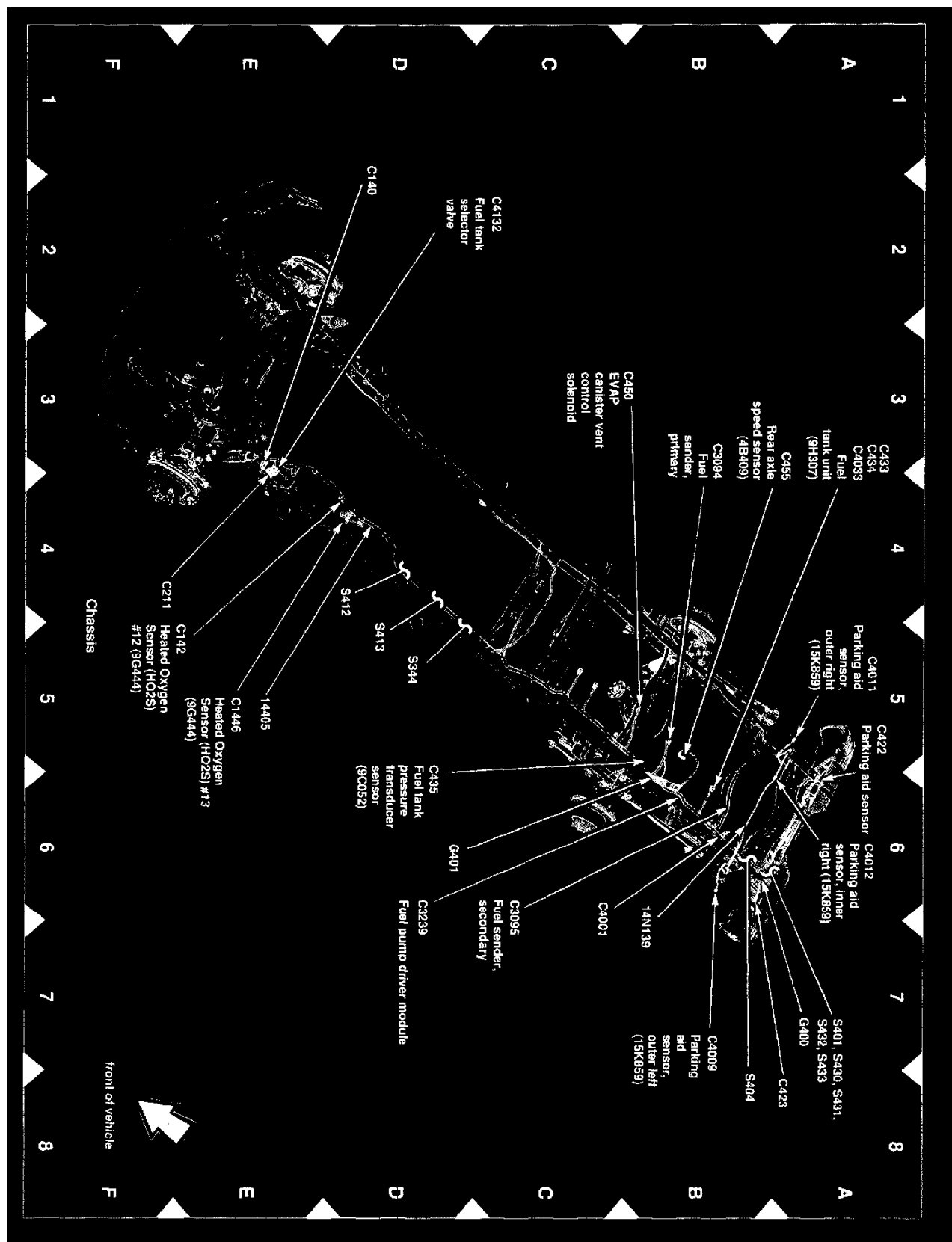




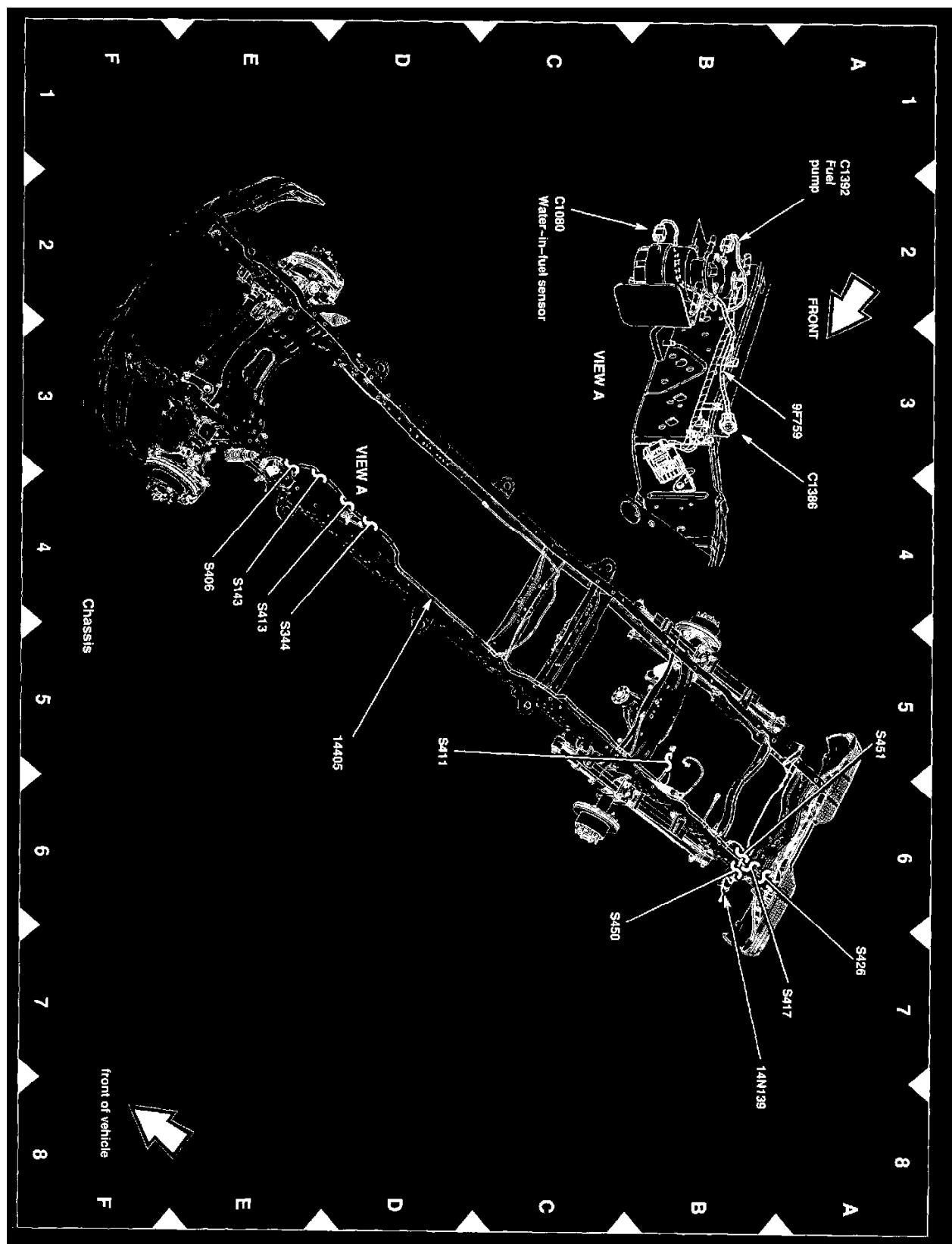
View 151-29 (Roof, RH Side, Rear)



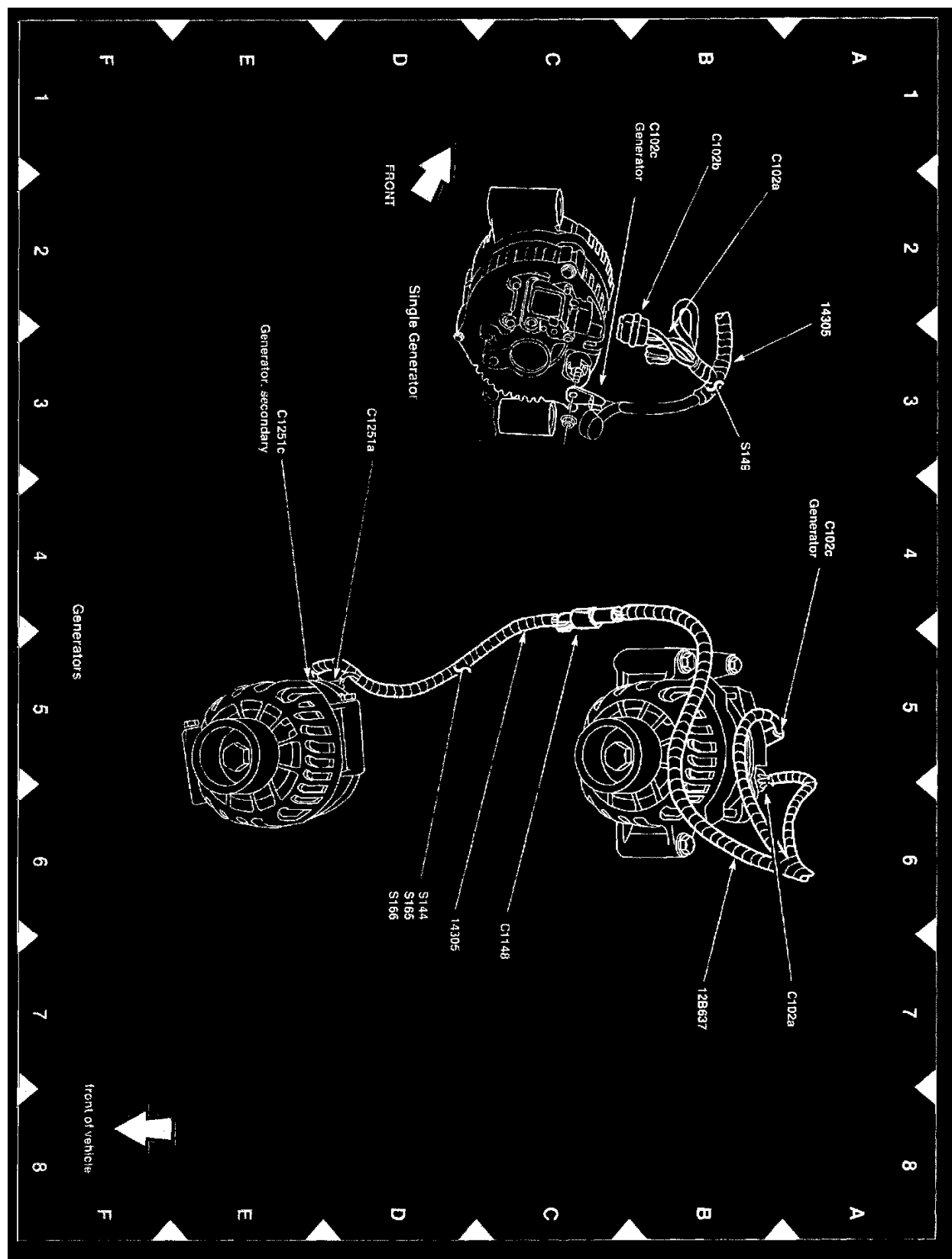
View 151-30 (Front HVAC)



View 151-31 (Chassis)



View 151-32 (Chassis)



View 151-33 (Generators)

Connector Location Index

PLEASE NOTE: If a link on the Connector Location Index to a View is not provided, that means that the Connector and/or View in question does NOT apply to the vehicle model selected.

Connectors		View 151-*/coordinates			
	Location				
C100	engine, front, on A/C compressor - 6.0L Diesel	13 - E7	C116	engine, top, LH side - 5.4L	7 - E7
C100	engine, front, on A/C compressor - 6.8L	10 - D1	C116	engine, top, LH side - 6.8L	10 - E7
C100	engine, front, on A/C compressor - 5.4L	7 - D1	C117	engine, top, LH side - 5.4L	7 - C7
C101	engine, front, behind crankshaft pulley - 5.4L	7 - F3	C117	engine, top, LH side - 6.8L	10 - E7
C101	engine, RH side, below glow plug bank - 6.0L Diesel	13 - E6	C118	engine, top, LH side - 5.4L	7 - C6
C101	engine, front, behind crankshaft pulley - 6.8L	10 - E2	C118	engine, top, LH side - 6.8L	10 - D7
C102a	engine, upper, front	33 - A7	C124	engine compartment, LH side - Diesel	5 - A5
C102a	engine, upper, front	33 - B1	C124	engine compartment, LH side	6 - C7
C102b	engine, upper, front	33 - B1	C125	engine compartment, rear	1 - A5
C102c	engine, RH side, top	33 - B1	C128	engine compartment, in intake system	1 - A4
C102c	engine, RH side, top	33 - A4	C128	engine compartment, in intake system - Diesel	3 - F4
C103	engine, LH side, lower - 6.0L Diesel	13 - B7	C131	engine compartment, front, RH side	1 - D1
C103	engine, LH side, lower - 6.8L	10 - F4	C132	engine compartment, front	1 - E6
C103	engine, LH side, lower - 5.4L	7 - F6	C133	engine compartment, LH side, rear	6 - F6
C104	engine, rear - 5.4L	8 - F4	C135	engine compartment, LH side - Diesel	5 - A7
C104	engine, top on oil reservoir - 5.4L	13 - C7	C135	engine compartment, LH side	6 - A7
C104	engine, top on oil reservoir - 6.0L Diesel	13 - C7	C137	engine compartment, RH side	1 - E3
C106	engine, top, LH side - 5.4L	7 - E7	C140	engine compartment, LH side, rear - Diesel	5 - E5
C107	engine, top, LH side - 5.4L	8 - F3	C140	engine compartment, LH side, rear	6 - F6
C107	engine, top, LH side - 6.8L	11 - B7	C141	vehicle underbody, LH side, rear	
C108	engine, rear, RH cylinder head - 5.4L	8 - D2		transmission	14 - F2
C109	engine, rear, LH cylinder head - 5.4L	8 - E6	C142	vehicle underbody, RH side, rear	
C110	engine compartment, LH side - 5.4L	8 - A3		transmission	14 - B5
C110	engine compartment, LH side - 6.8L	10 - D7	C145	engine compartment, LH side, rear	5 - B3
C111	engine, top, RH side - 5.4L	8 - D7	C145	engine compartment, LH side, rear - Diesel	6 - B3
C111	engine, top, RH side - 6.8L	11 - D7	C146	engine compartment, LH side, rear - Diesel	5 - A3
C112	engine, top, RH side - 5.4L	8 - D7	C146	engine compartment, LH side, rear	6 - B3
C112	engine, top, RH side - 6.8L	11 - D7	C150	engine compartment, LH side	1 - A5
C113	engine, top, RH side - 5.4L	8 - D7	C152	front of vehicle, (exterior), LH side	3 - F5
C113	engine, top, RH side - 6.8L	11 - D7	C160	engine compartment, RH side	30 - E7
C114	engine, top, RH side - 5.4L	8 - E7	C162	front of vehicle, (exterior), RH side - Diesel	3 - F3
C114	engine, top, RH side - 6.8L	11 - E7	C169	on transmission	14 - F3
C115	engine, top, LH side - 5.4L	7 - E6	C171	engine, rear, RH side - 5.4L	8 - E3
C115	engine, top, LH side - 6.8L	11 - E7	C171	engine, rear, RH side - 6.8L	11 - F3
			C172	engine, rear, LH side - 5.4L	8 - D2
			C172	engine, rear, LH side - 6.8L	11 - E1
			C174	engine, rear, LH side - 6.8L	10 - C7
			C174	engine, top - 5.4L	8 - B7
			C174	engine, top - 6.8L	10 - B1
			C175a	engine compartment, RH side, rear	1 - A4

Connectors**Location****View 151-*/coordinates**

C175b	engine compartment, RH side, rear	1 - A4	C214	engine compartment, LH side, rear - Diesel	5 - E5
C175c	engine compartment, RH side, rear	1 - A4	C218a	on steering column	17 - E7
C181	engine, top, RH side - 5.4L	7 - A2	C218b	on steering column	17 - A6
C181	engine, top, RH side - 5.4L	8 - B6	C220a	dash panel, LH side	16 - B8
C181	engine, top, RH side - 6.8L	11 - B6	C220b	dash panel, LH side	16 - B7
C182	engine, top, RH side - 5.4L	8 - B6	C228a	dash panel, center	16 - E3
C182	engine, top, RH side - 6.8L	11 - A4	C228b	dash panel, center	16 - A5
C183	engine, top, RH side - 5.4L	8 - A6	C233	behind dash panel, LH side, near steering column	16 - D7
C183	engine, top, RH side - 6.8L	11 - A3	C250	on steering column	16 - E5
C183	engine, top, RH side - 6.8L	8 - A6	C251	under dash panel, LH side	17 - E5
C184	engine, top, RH side - 5.4L	8 - A6	C256	dash panel, RH side	16 - A2
C184	engine, top, RH side - 6.8L	11 - A3	C257	on clutch pedal support	17 - D8
C185	engine, top, RH side - 5.4L	7 - A5	C258	in Central Junction Box (CJB)	16 - E8
C185	engine, top, RH side - 6.8L	11 - A2	C264	under dash panel, RH side	16 - D2
C186	engine, top, LH side - 6.8L	10 - B3	C265	in dash panel, center	16 - B7
C186	engine, top, LH side - 5.4L	7 - A5	C270a	under dash panel, LH side	16 - E8
C187	engine, top, LH side - 5.4L	7 - B6	C270b	under dash panel, LH side	16 - E8
C187	engine, top, LH side - 6.8L	10 - A3	C270c	under dash panel, LH side	16 - F8
C188	engine, top, LH side - 6.8L	10 - A7	C270d	under dash panel, LH side	16 - E8
C188	engine, top, LH side - 5.4L	7 - B6	C270e	under dash panel, LH side	16 - E8
C191	front of engine, top, center - 6.8L	10 - A2	C270f	under dash panel, LH side	16 - E8
C192	engine compartment, LH side, rear	6 - E7	C270g	under dash panel, LH side	16 - A6
C192	engine compartment, LH side, front - 5.4L	7 - D7	C270h	under dash panel, LH side	16 - A6
C194	engine, top - 5.4L	7 - B3	C270i	under dash panel, LH side	16 - A6
C194	engine, top, on front of LH valve cover - 6.8L	10 - F3	C270j	under dash panel, LH side	16 - A6
C196	engine compartment, front, LH side - Diesel	3 - E5	C270k	under dash panel, LH side	16 - A6
C197a	engine, bottom, RH side - 5.4L	8 - E5	C270l	under dash panel, LH side	16 - A6
C197b	engine, bottom, RH side - 5.4L	8 - E6	C270m	under dash panel, LH side	16 - A6
C202a	on steering column	18 - D7	C270n	on brake pedal support	16 - E7
C202b	on steering column	18 - A5	C278	under dash panel, RH side	16 - F3
C203	dash panel, center	16 - B7	C281a	under dash panel, RH side	16 - A2
C205a	dash panel, LH side, near steering column	16 - C8	C281b	dash panel, LH side	16 - A7
C205b	dash panel, LH side, near steering column	16 - D8	C284	dash panel, LH side	16 - A3
C210	under dash panel, RH side	16 - E2	C286	dash panel, top	16 - D3
C211	engine compartment, LH side, rear	16 - F7	C289	under dash panel, RH side	16 - B5
C213	under dash panel, LH side	16 - B7	C290a	dash panel, center	17 - A5
			C291	under dash panel, LH side	15 - D6
			C294a	in dash panel	15 - D6
			C294b	in dash panel	15 - E6
			C294c	in dash panel	15 - E6
			C294d	in dash panel	15 - E6

C175b-C294d

Connectors**Location View 151-*/coordinates**

C300	behind dash panel, RH side	16 - E1
C301	Rear of cab	28 - E7
C312	vehicle interior, rear	28 - B5
C320	driver seat, LH side	20 - F3
C321	under passenger seat, RH side	21 - D2
C323	seat belt buckle, driver side	20 - D6
C330	under passenger seat, RH side	21 - C3
C334	under passenger seat, RH side	21 - F2
C335	under passenger seat, RH side	21 - E2
C340	under passenger seat, RH side	19 - A7
C350a	on transfer case	14 - C6
C350b	on transfer case	14 - F4
C357	under driver seat	20 - F5
C359	under driver seat	20 - C2
C360	in driver seat	20 - E7
C364	driver seat	20 - E2
C365	driver seat	20 - E2
C369	driver seat, LH side	20 - E6
C408	vehicle rear end	31 - A6
C410	vehicle rear end	28 - B8
C411	vehicle rear end	29 - E5
C422	main chassis side member, vehicle rear end, RH side	31 - A6
C423	main chassis side member, vehicle rear end, LH side	31 - A7
C433	vehicle rear end	31 - D6
C434	vehicle underbody, LH side, by axle	31 - A3
C435	vehicle underbody, LH side, by axle	31 - D5
C438	vehicle rear end, center	29 - F3
C450	vehicle underbody, LH side, by axle	31 - C4
C451	vehicle rear end, LH side	29 - B1
C452	vehicle rear end	29 - B2
C455	on differential	31 - B4
C461	vehicle rear end, RH side	29 - E5
C462	vehicle rear end	29 - B2
C465	vehicle rear end	31 - A6
C494	vehicle underbody	29 - D7
C495	vehicle underbody	28 - E5
C500	in driver door	22 - B1
C504a	in driver door, top	22 - A6
C504b	in driver door, top	22 - B7
C505	in driver door, top	22 - A3
C510	in driver door	22 - F5
C521	driver's door (exterior)	22 - B7
C523	in driver door	22 - D7
C524	in driver door	22 - D7
C525	in driver door	22 - C2
C526	in driver door	22 - E2
C527	in driver door	22 - C7
C601	front of passenger door exterior	23 - B2
C602	in passenger door	23 - C7
C603	in passenger door	23 - D7
C604	in passenger door, top of door trim	23 - A3
C605	in passenger door, top of door trim	23 - A4
C608	in passenger door	23 - D1
C612	in passenger door	23 - E1
C701	in LH rear door, top - Crew cab	26 - A3
C702	in LH rear door - Super cab	24 - C6
C703	in LH rear door	26 - C6
C704	in LH rear door	26 - E2
C715	in LH rear door	26 - B2
C801	in RH rear door	27 - C7
C802	in RH rear door - Super cab	25 - C2
C802	in RH rear door - Crew cab	28 - A5
C803	in RH rear door	27 - B2
C804	in RH rear door	27 - D7
C820	in RH rear door	27 - E7
C904	in roof panel, rear center	29 - A3
C906	roof, RH side, front	28 - B1
C907	roof, LH side, front	28 - B1
C909	overhead console	28 - C1
C911	roof, front center	28 - B1
C921a	in roof panel, above rear seats	28 - A4
C931	in roof panel, front center	28 - A4
C932	in roof panel, above rear seats	28 - A6

Connectors		View 151-*/coordinates		
	Location			
C970	roof, front	28 - A4	C1100a	engine compartment, RH side
C971	roof, front	28 - A3	C1100b	engine compartment, RH side
C972	roof, front	28 - A3	C1107	transmission, rear
C973	roof, front	28 - A2	C1119	engine compartment, RH side
C974	roof, front	28 - A1	C1126	front of vehicle, RH side
C1000	in Battery Junction Box (BJB)	1 - B7	C1127	front of vehicle, LH side
C1008	in Battery Junction Box (BJB)	1 - B7	C1129	in Auxiliary relay box 3
C1010	engine compartment, rear, LH side - Gasoline	6 - F6	C1147	front of vehicle, LH side
C1010	engine compartment, rear, LH side - Diesel	5 - E6	C1148	engine compartment, RH side
C1011	in Battery Junction Box (BJB)	1 - B7	C1158	engine, top, front - 6.0L Diesel
C1019	engine compartment, RH side, rear	30 - A3	C1159	engine compartment - Diesel
C1021	front of vehicle, LH side	1 - D7	C1171	engine compartment
C1023	front of vehicle, LH side	1 - E7	C1172	in Battery Junction Box (BJB)
C1025	engine compartment, LH side, rear - Gasoline	6 - E4	C1173	in Auxiliary relay box 3
C1025	engine compartment, LH side, rear	1 - B7	C1177	on transfer case, top
C1025	engine compartment, LH side - Diesel	5 - E4	C1181	engine, top, RH side - 6.0L Diesel
C1026	engine compartment, RH side, rear	30 - A2	C1182	engine, top, LH side - 6.0L Diesel
C1031	engine compartment, RH side, rear	30 - B1	C1183	engine, top, RH side - 6.0L Diesel
C1032	engine compartment, RH side, rear	30 - D7	C1184	engine, top, LH side - 6.0L Diesel
C1035	Engine compartment, LH side, rear	2 - A6	C1185	engine, top, RH side - 6.0L Diesel
C1035	Engine compartment, LH side, rear - Diesel	3 - A7	C1186	engine, top, LH side - 6.0L Diesel
C1041	front of vehicle, RH side	1 - F3	C1187	in Battery Junction Box (BJB)
C1043	front of vehicle, RH side	1 - F2	C1188	in Battery Junction Box (BJB)
C1045	engine compartment, LH side, front	1 - E7	C1189	throttle body, LH side - 5.4L
C1046	engine compartment, RH side	1 - C1	C1189	throttle body, RH side - 6.8L
C1062	engine, front, near bottom - 6.0L Diesel	13 - D7	C1195	engine compartment, rear
C1064	engine, front, LH side, near thermostat housing - 6.0L Diesel	12 - E2	C1204	engine, top, LH side - 6.8L
C1073	engine, RH side - 5.4L	8 - A2	C1205	engine, top, LH side - 6.8L
C1073	engine, RH side - 6.8L	10 - A6	C1206	engine, top, LH side - 6.8L
C1078	engine, front, RH side - 5.4L	7 - C2	C1207	engine, top, LH side - 6.8L
C1078	engine, front, RH side - 6.8L	10 - C1	C1210	engine compartment, LH side, on air cleaner housing
C1080	vehicle underbody, LH side, near transmission	32 - C2	C1221	engine, top, RH rear - 5.4L
C1081	engine compartment, RH side	30 - C7	C1235	in Battery Junction Box (BJB)
C1087	engine compartment, rear	30 - B7	C1236	engine, LH side
			C1244	engine, top, rear - 6.0L Diesel
			C1247	engine compartment, RH side
			C1249a	engine compartment, LH side - Diesel
			C1249b	engine compartment, LH side - Diesel

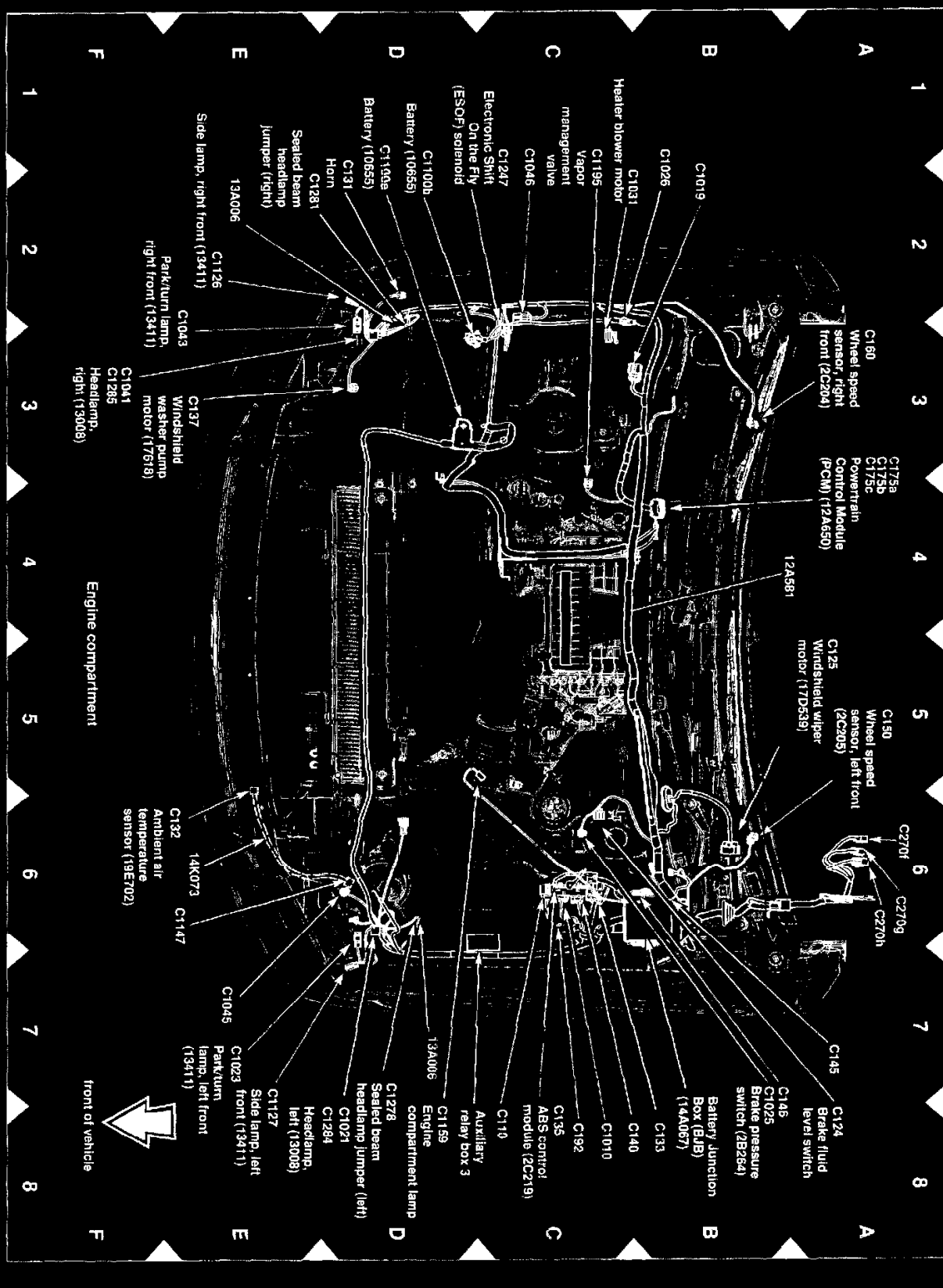
Connectors**Location View 151-*/coordinates**

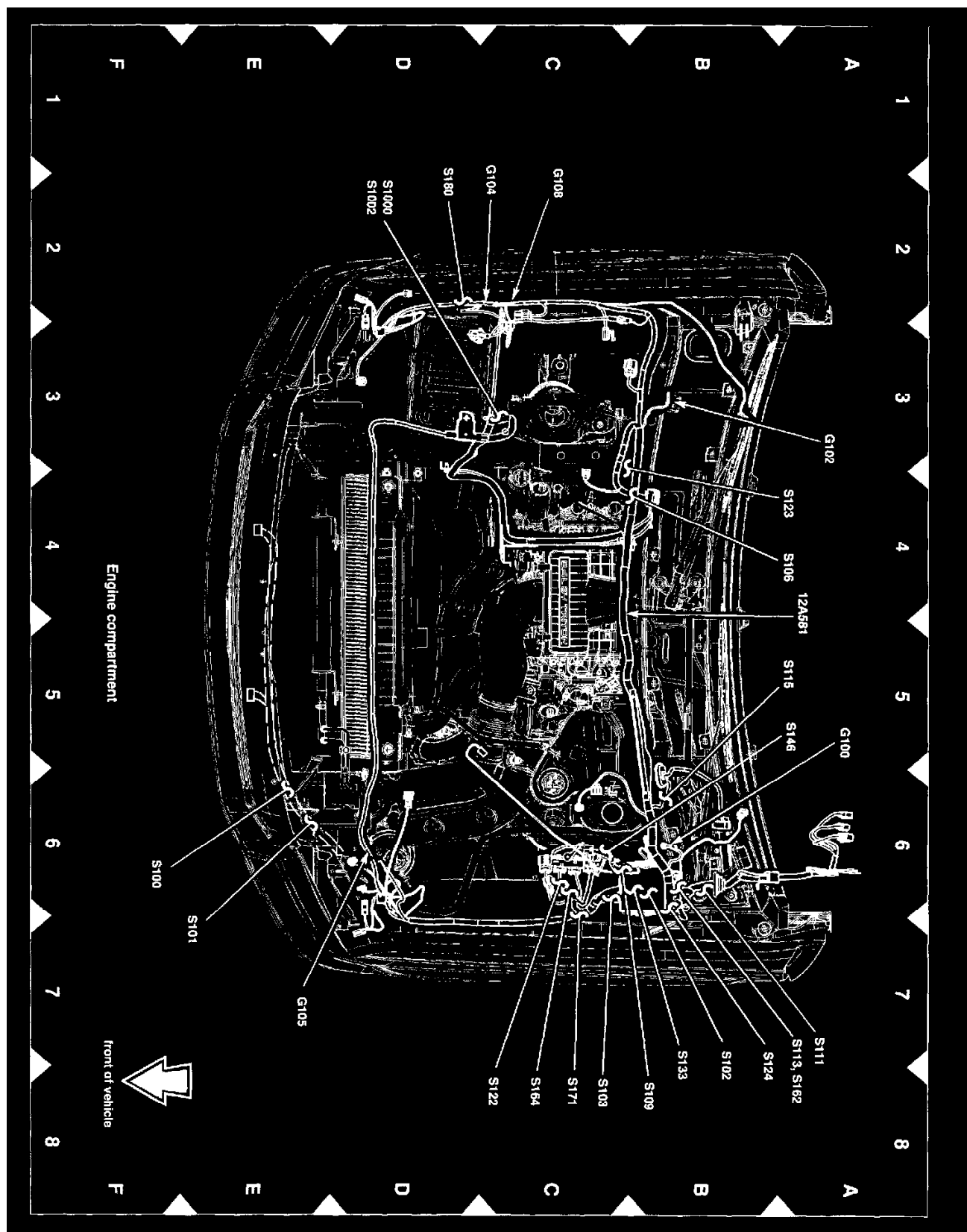
C1251a	engine, upper, front	33 - B1
C1251a	engine, lower, front, RH side - 6.0L with dual generators	33 - D3
C1251c	engine, lower, front, RH side - 6.0L with dual generators	33 - E3
C1251c	engine, upper, front	33 - B1
C1271	engine, near camshaft pulley, LH side - 6.0L Diesel	12 - F3
C1273a	engine, top, front, on RH valve cover - 6.0L Diesel	13 - C7
C1273b	engine, top, front, on RH valve cover - 6.0L Diesel	13 - C7
C1275	engine, LH side, bottom - 6.0L Diesel	13 - C7
C1282	engine compartment, LH side, rear - Diesel	12 - F4
C1284	front of vehicle, LH side	5 - E6
C1285	front of vehicle, RH side	1 - E7
C1298	engine compartment, LH side - Diesel	5 - E5
C1308	engine compartment, RH side	30 - D8
C1312	engine, top, RH side - 6.0L Diesel	13 - E2
C1313	engine, top, LH side - 6.0L Diesel	13 - D1
C1329	in Battery Junction Box (BJB)	1 - B7
C1360	engine, top, on oil pump - 6.0L Diesel	13 - D1
C1366	engine, upper, on front of RH cylinder head - 5.4L	7 - E2
C1366	engine, upper, on front of RH cylinder head - 6.8L	10 - C1
C1367	engine, upper, on front of LH cylinder head - 5.4L	7 - E6
C1368	engine, attached to throttle body - 5.4L	8 - C1
C1368	engine, attached to throttle body - 6.0L Diesel	13 - B7
C1368	engine, attached to throttle body - 6.8L	10 - A5
C1369	engine, RH side, front - 5.4L	7 - A1
C1369	engine, RH side, front - 5.4L	8 - C7
C1370	engine, LH side, front - 5.4L	7 - F3
C1381a	engine compartment, left fender - Diesel	5 - B7

C1381b	engine compartment, left fender - Diesel	5 - B7
C1381c	engine compartment, left fender - Diesel	5 - B7
C1385	vehicle underbody, RH side, on transmission	14 - C7
C1386	vehicle underbody, LH side, near transmission	14 - C2
C1387	transmission, front	14 - B5
C1388a	engine, top, LH side - 6.0L Diesel	12 - B8
C1388b	engine, top, LH side - 6.0L Diesel	12 - B8
C1388c	engine, top, LH side - 6.0L Diesel	12 - C8
C1389	engine, top, near throttle body - 6.0L Diesel	13 - A6
C1390	engine, top - 6.0L Diesel	12 - A5
C1392	vehicle underbody, LH side, near transmission	32 - A1
C1413	engine, front, LH side - 6.0L Diesel	12 - F7
C1414	engine, front, RH side - 6.0L Diesel	13 - D7
C1443	engine, top, RH side, front - 6.0L Diesel	13 - B7
C1444	engine, rear - 5.4L	8 - D2
C1445	engine compartment, LH rear	16 - F5
C1446	vehicle underbody, LH side, front	31 - E6
C1447	engine, RH side, rear - 6.8L	11 - F2
C2003	in LH front footwell	16 - E5
C2008	on steering column	16 - E6
C2015	in footwell, driver side	28 - F1
C2031	dash panel, center, bottom	17 - D3
C2033	dash panel, center, bottom	16 - A3
C2035	dash panel, LH side	16 - B5
C2040	on accelerator pedal support	16 - E4
C2041	behind dash panel, center	15 - E6
C2047	behind dash panel, center, in auxiliary relay box 1	16 - E4
C2075	in Central Junction Box (CJB)	15 - A3
C2089	dash panel, LH side	16 - D8
C2093	dash panel, behind A/C control	17 - E3
C2099	dash panel, center	15 - A6
C2110	in Central Junction Box (CJB)	16 - F7
C2113a	under dash panel, LH side	28 - C1
C2113b	under dash panel, LH side	28 - C1
C2113c	under dash panel, LH side	28 - C1
C2142a	behind dash panel, LH side	17 - D2
C2142b	behind dash panel, center	17 - E3

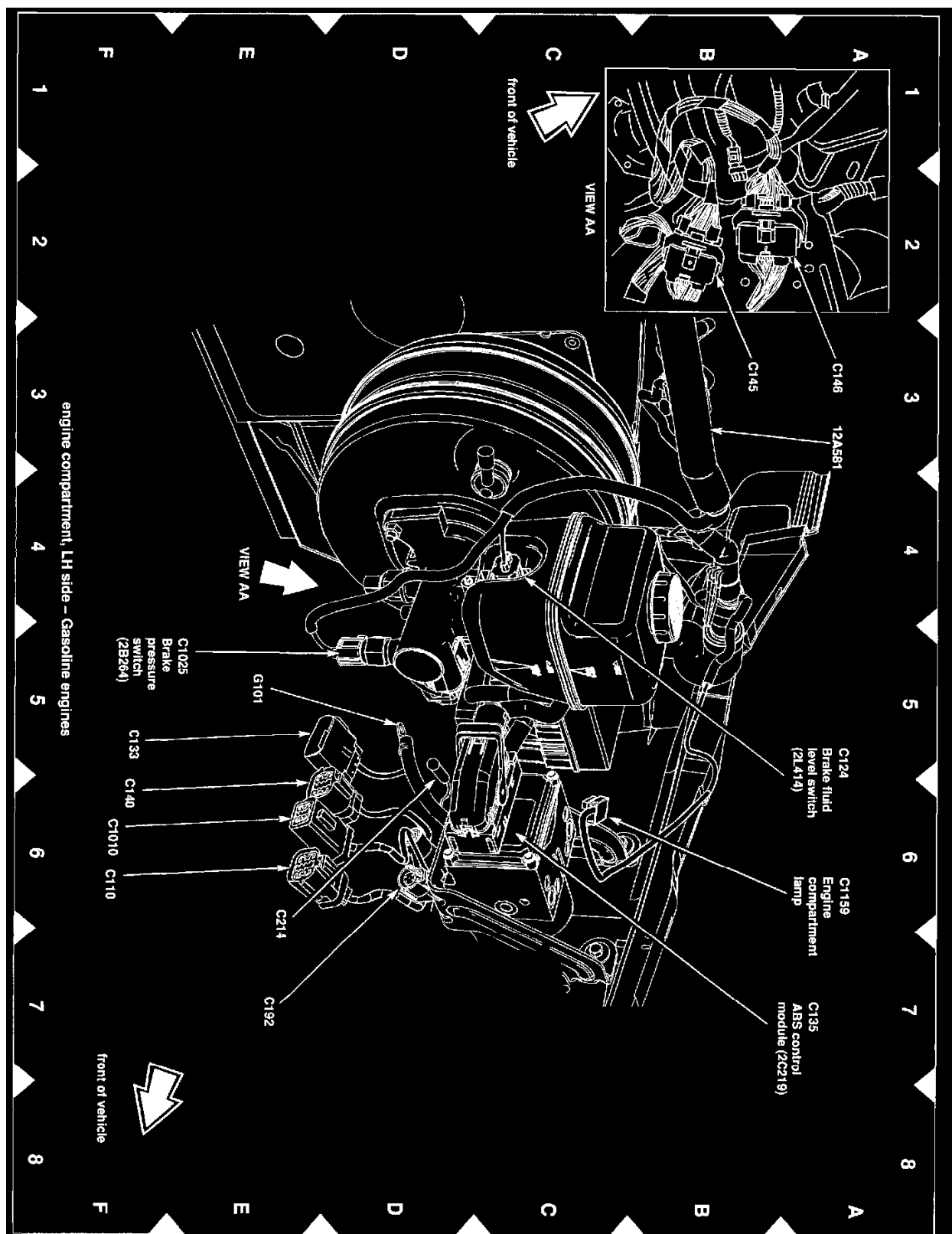
C1251a-C2142b

Connectors		View 151-*/coordinates			
	Location				
C2160	in Central Junction Box (CJB)	16 - F6	C4097	truck bed, right fender, rear	29 - E6
C2163	in Central Junction Box (CJB)	16 - E8	C4098	vehicle rear end	29 - E3
C2194	behind dash panel, center	16 - D3	C4099	vehicle rear end	29 - E2
C2207	under dash panel, RH side	16 - D1	C4132	vehicle underbody, LH frame rail	31 - C2
C2255	on steering column, LH side	18 - B3	C9013	in roof panel, front	28 - A3
C2256	behind dash panel, LH side, near steering column	17 - E4			
C2257	in Central Junction Box (CJB)	15 - A3			
C2300	dash panel, center	15 - E6			
C2301	in Upfitter relay box	16 - E3			
C2302	in Upfitter relay box	16 - E3			
C2303	in Upfitter relay box	16 - E3			
C2304	in Upfitter relay box	16 - E3			
C3007	under driver seat	28 - E5			
C3015	under passenger seat	21 - F6			
C3049	under driver seat	19 - A6			
C3084	vehicle exterior, LH side	28 - F4			
C3085	vehicle exterior, LH side	28 - F7			
C3086	vehicle exterior, RH side	29 - D8			
C3087	vehicle exterior, RH side	29 - E7			
C3094	vehicle underbody, on fuel tank	31 - B3			
C3095	vehicle underbody, on fuel tank	31 - C6			
C3239	vehicle rear end	31 - D6			
C4001	truck bed	31 - C6			
C4009	rear bumper, LH side	29 - E1			
C4010	rear bumper, LH side	29 - F2			
C4011	rear bumper, RH side	29 - E4			
C4012	rear bumper, RH side	29 - E3			
C4014	RH A-pillar, behind trim panel	16 - E2			
C4015	RH A-pillar, behind trim panel	16 - E2			
C4032	vehicle rear end, RH side	29 - B3			
C4033	vehicle underbody, LH side	31 - A4			
C4035	vehicle rear end, LH side	29 - A1			
C4094	truck bed, left fender, front	28 - B7			
C4095	truck bed, left fender, rear	28 - D8			
C4096	truck bed, right fender, front	29 - E6			

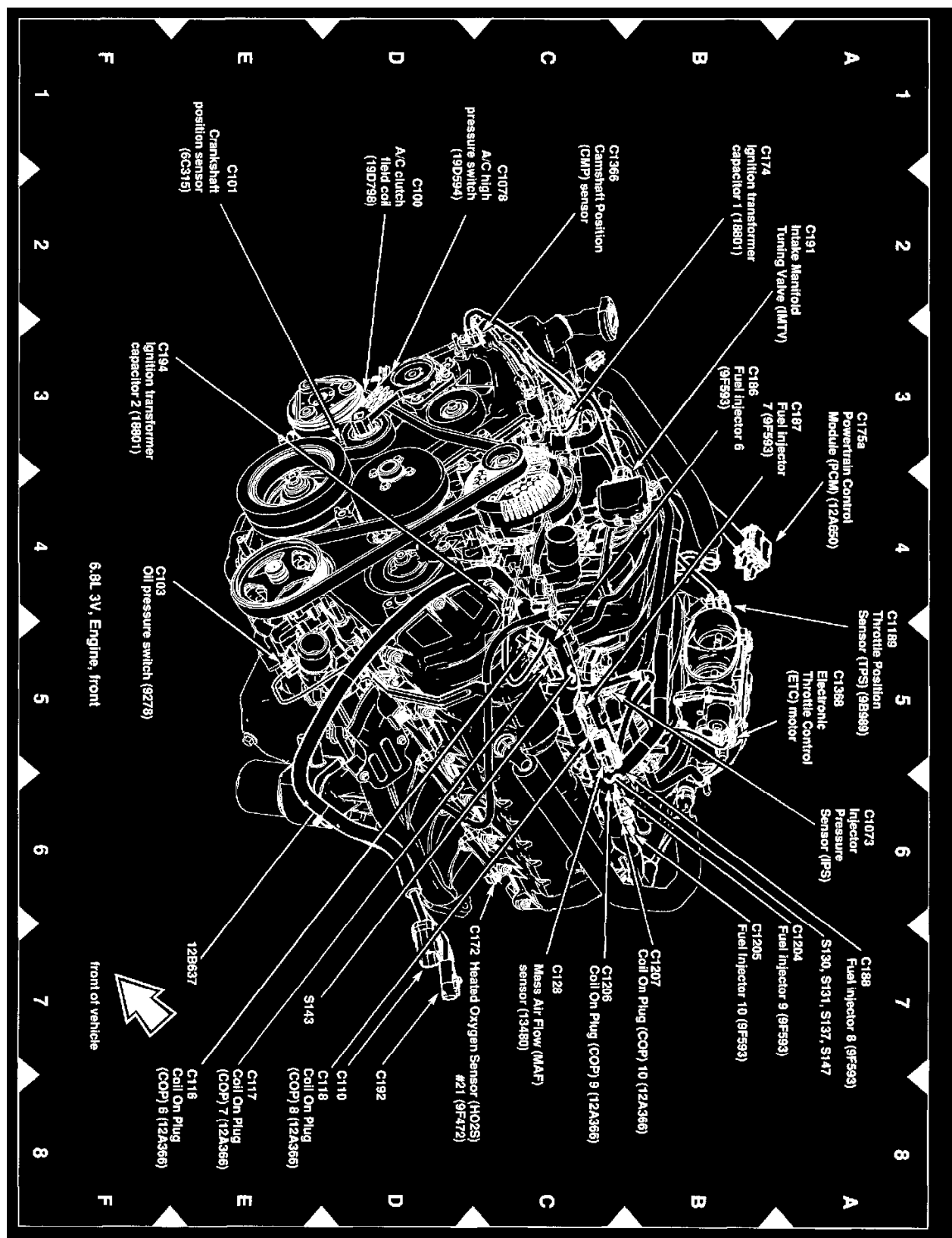




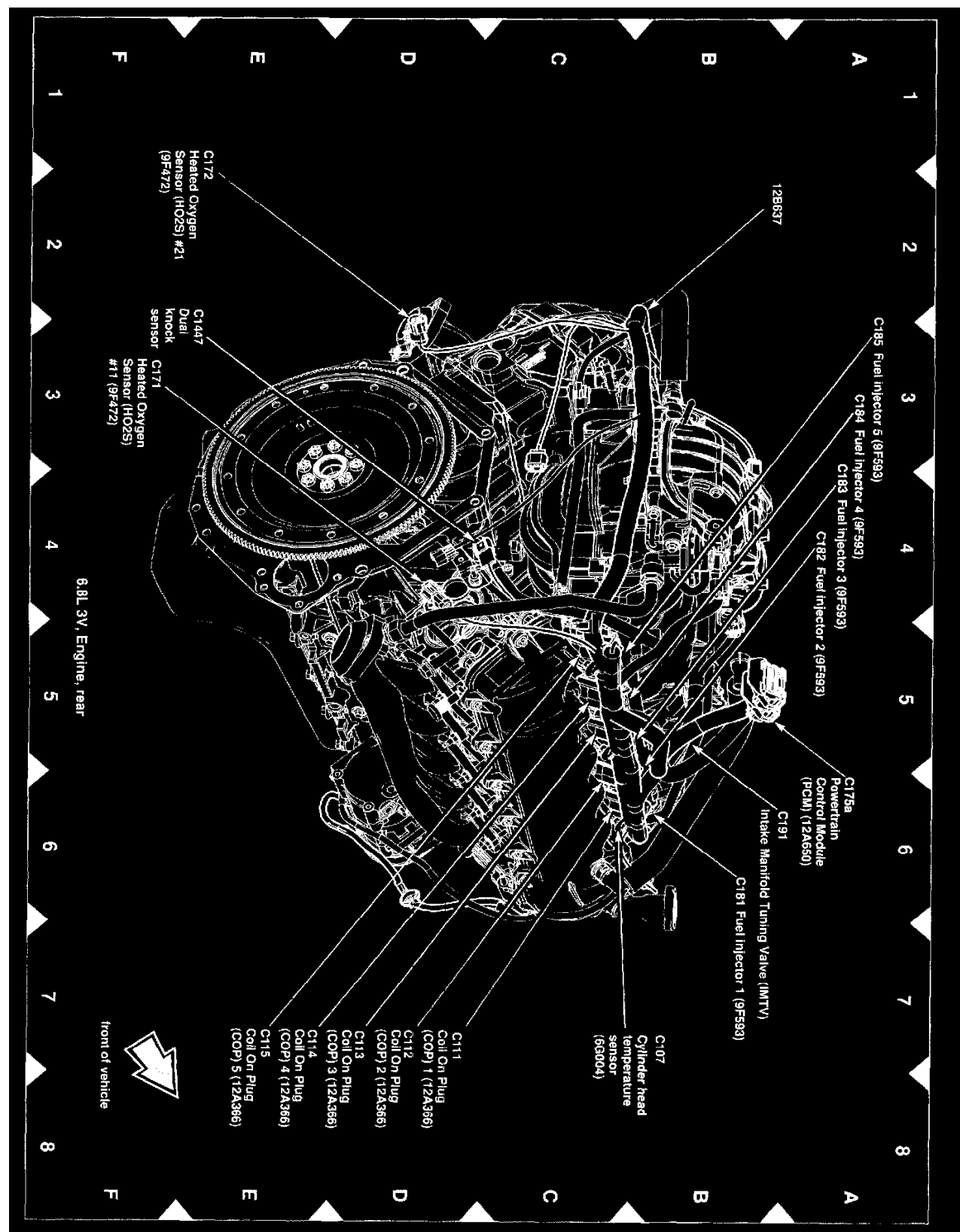
View 151-2 (Engine Compartment)



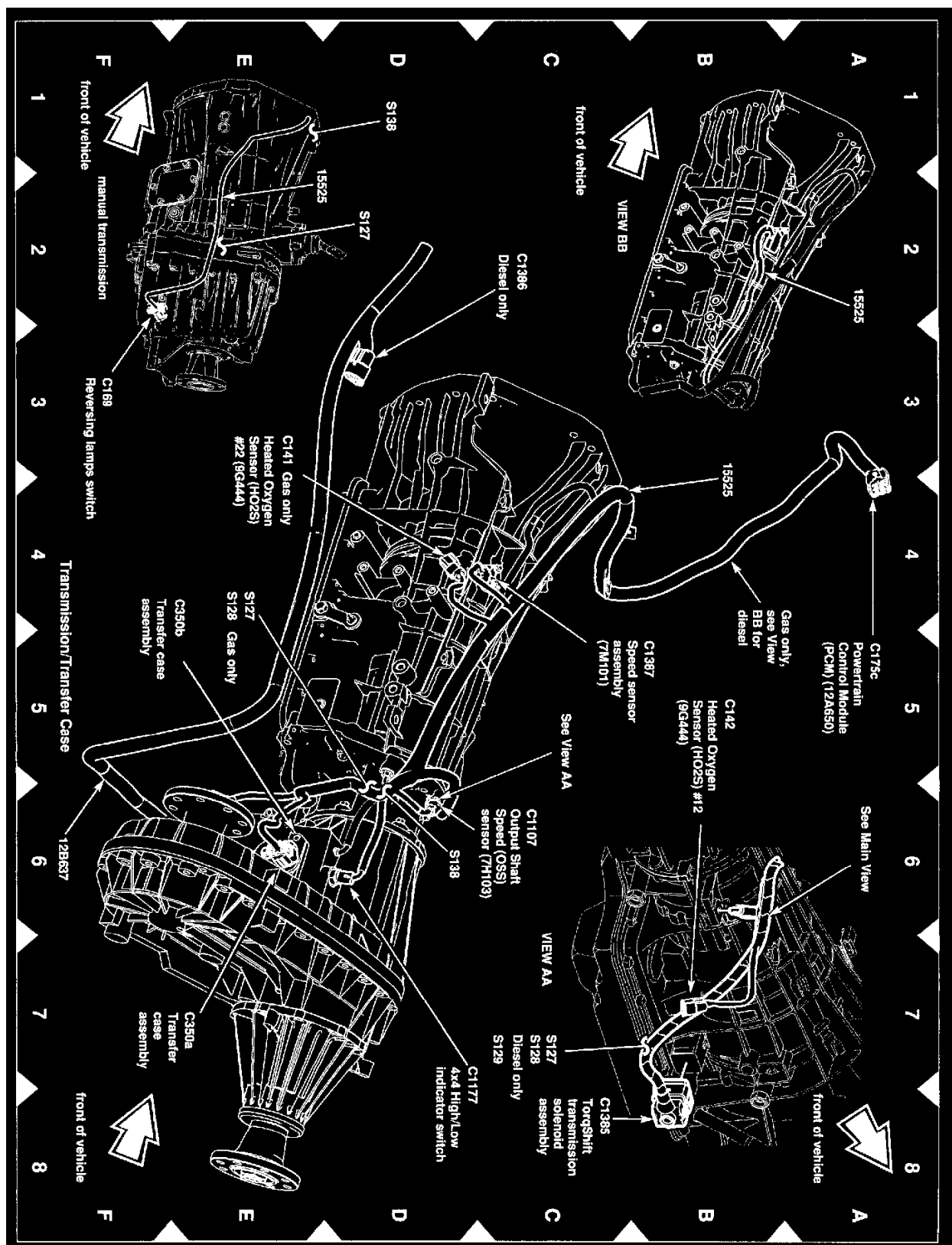
View 151-6 (Engine Compartment, LH Side)



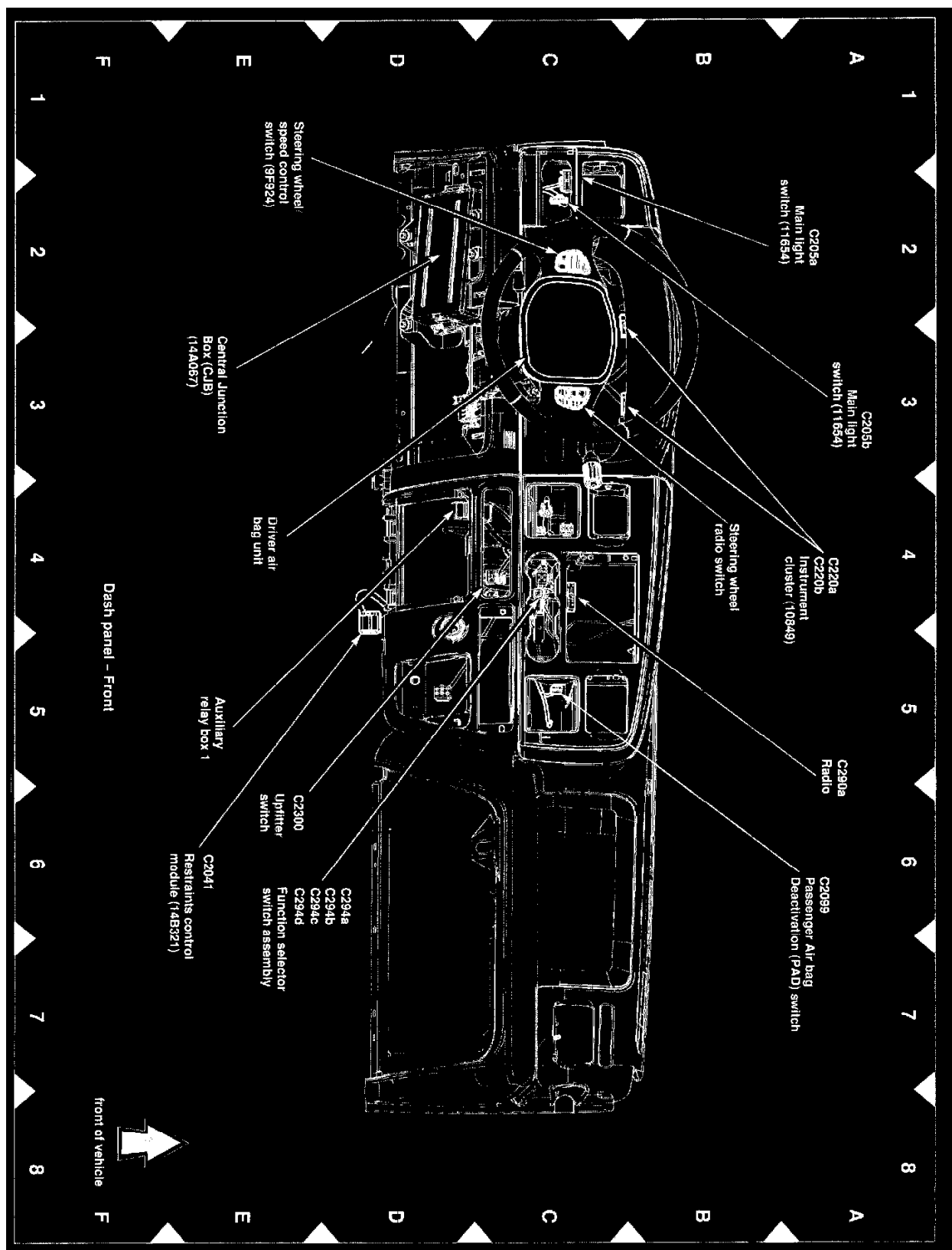
View 151-10 (Engine, Front)



View 151-11 (Engine, Rear)

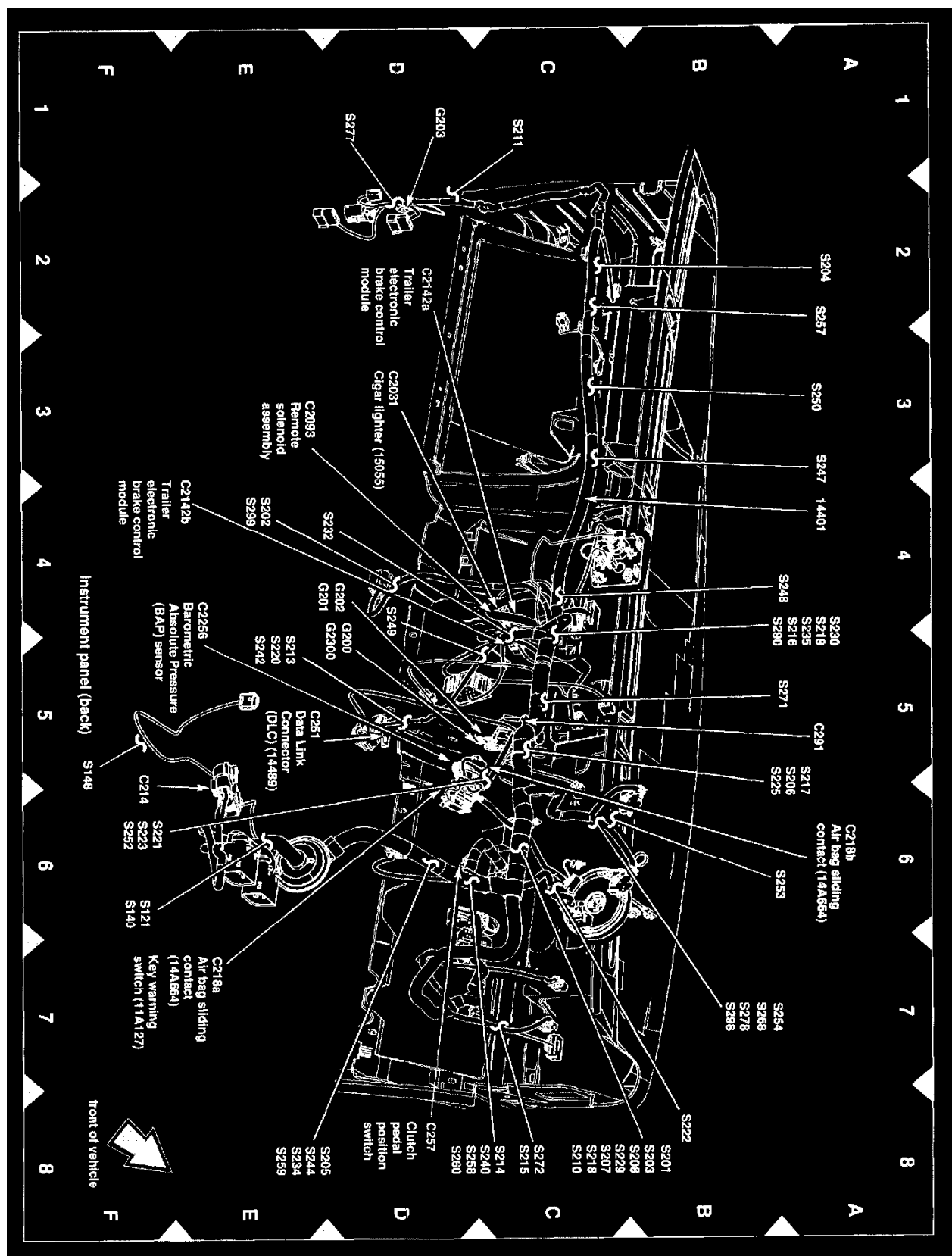


View 151-14 (Transmission/Transfer Case)

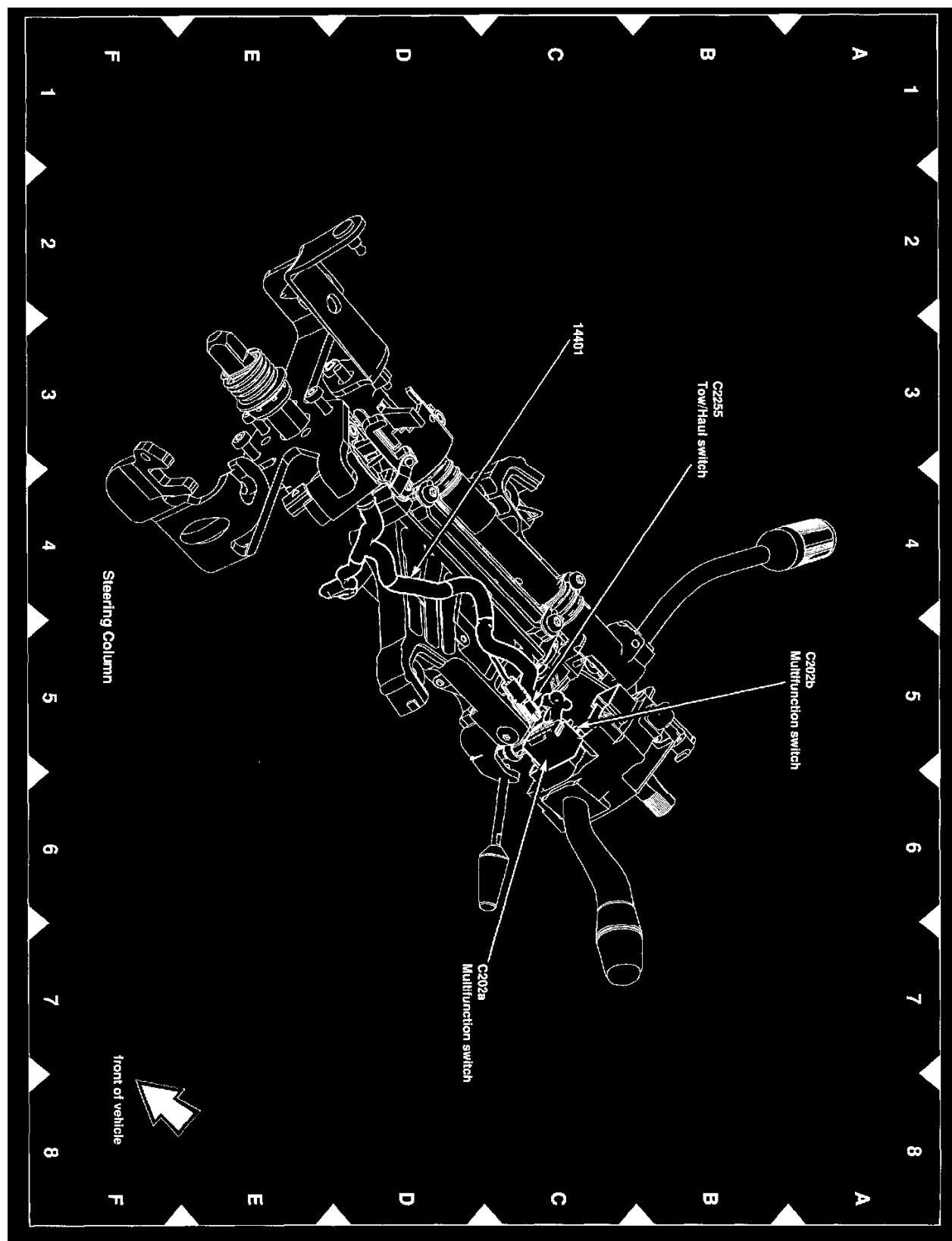


View 151-15 (Dash Panel - Front)

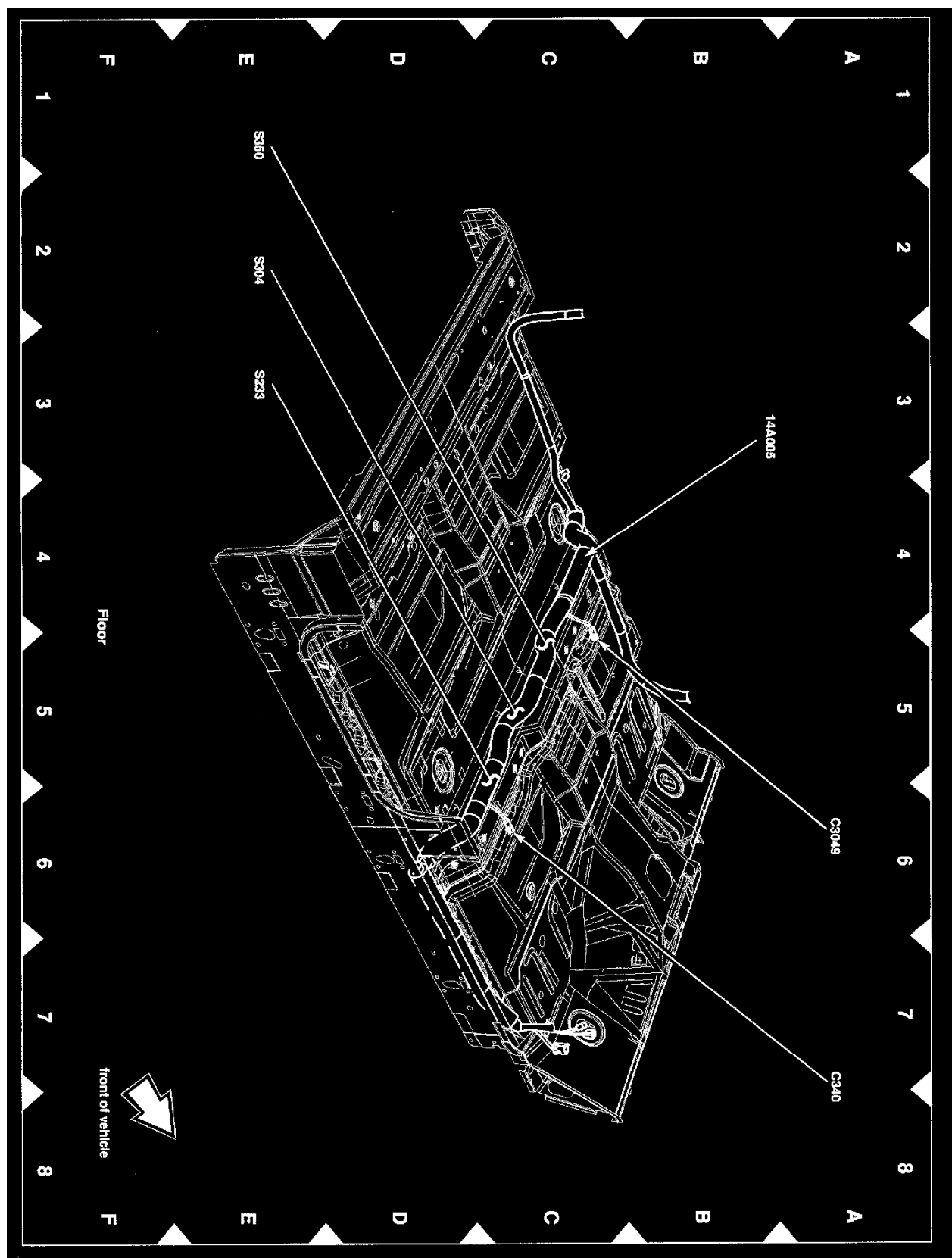




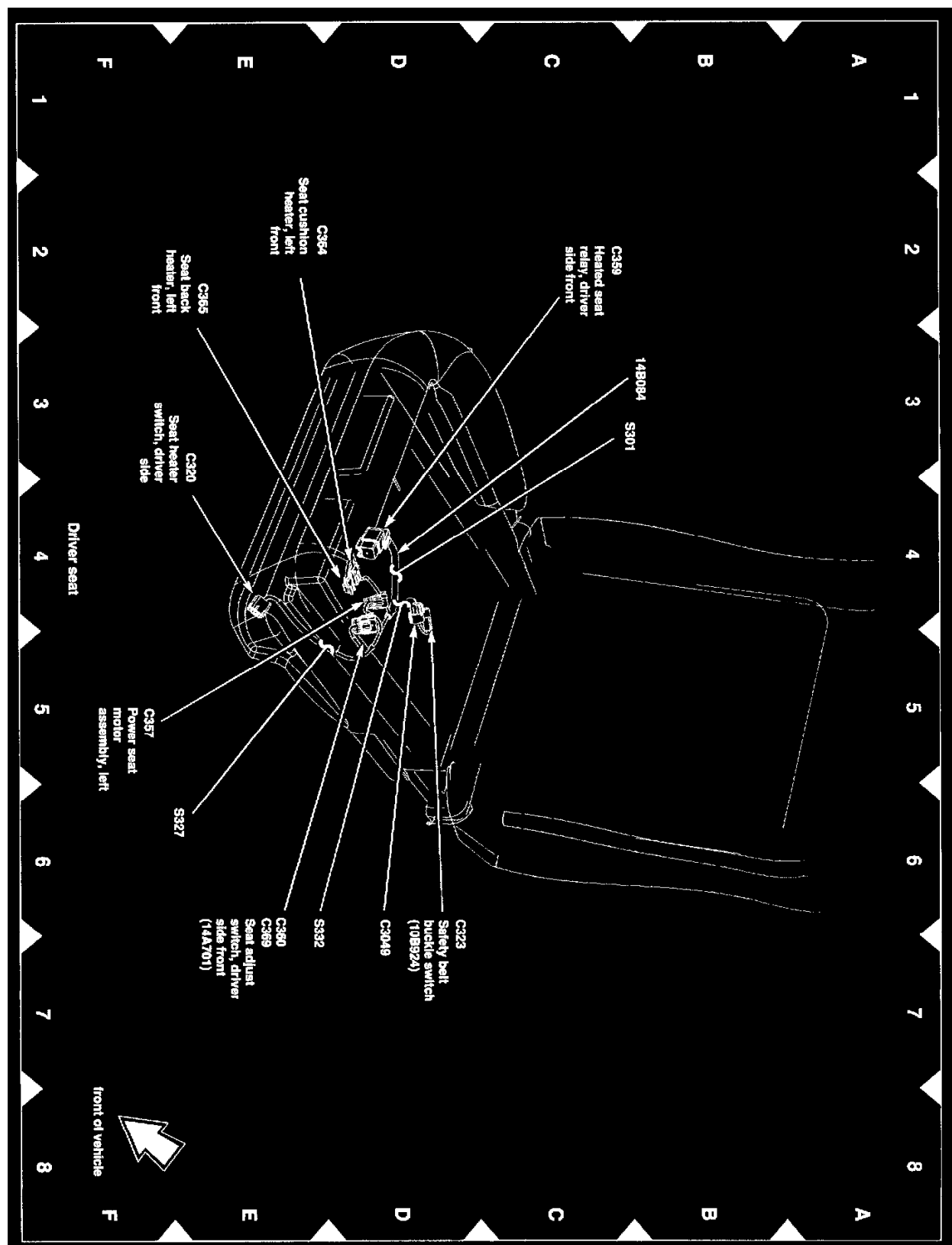
View 151-17 (Instrument Panel (Back))



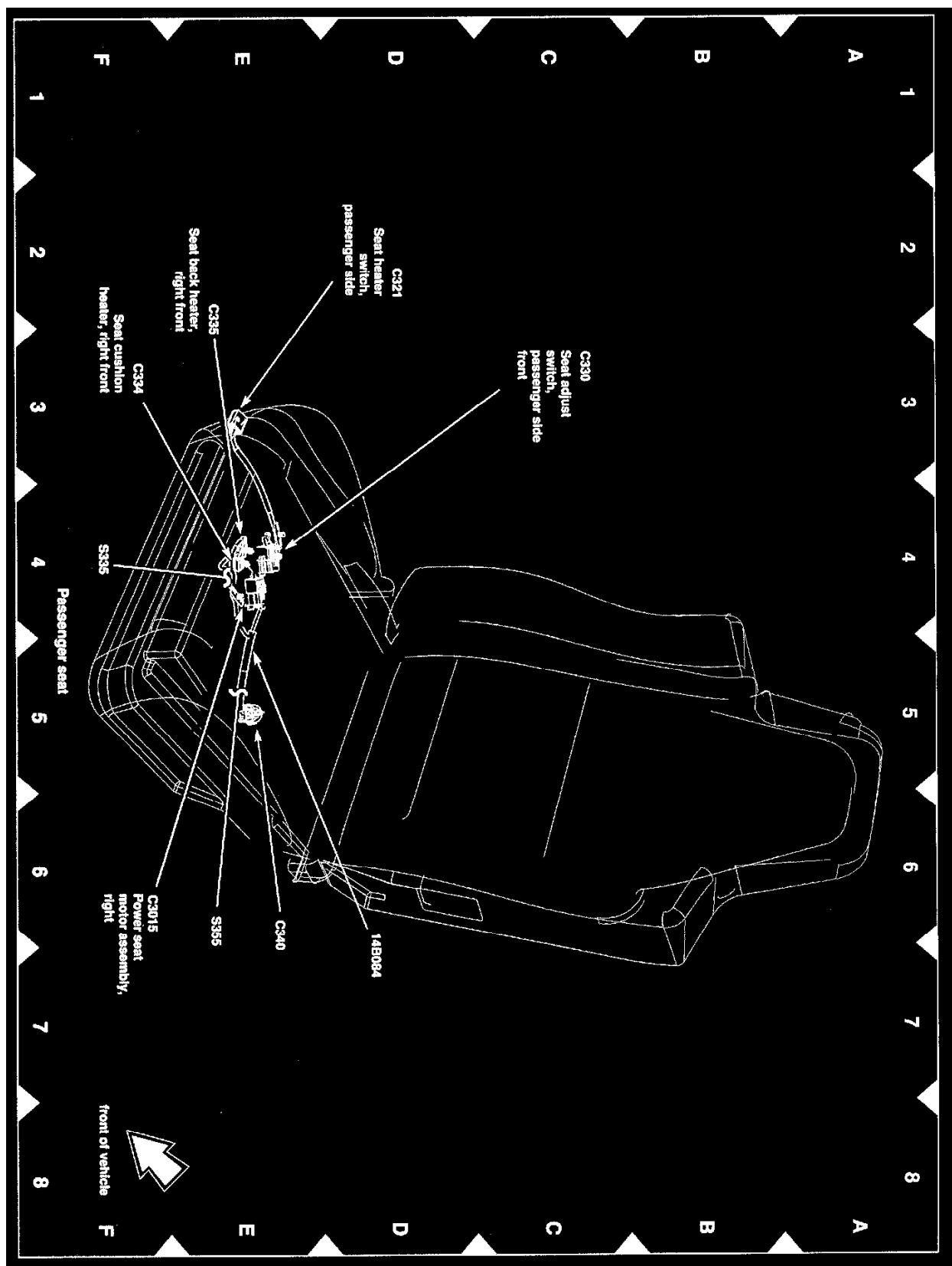
View 151-18 (Steering Column)



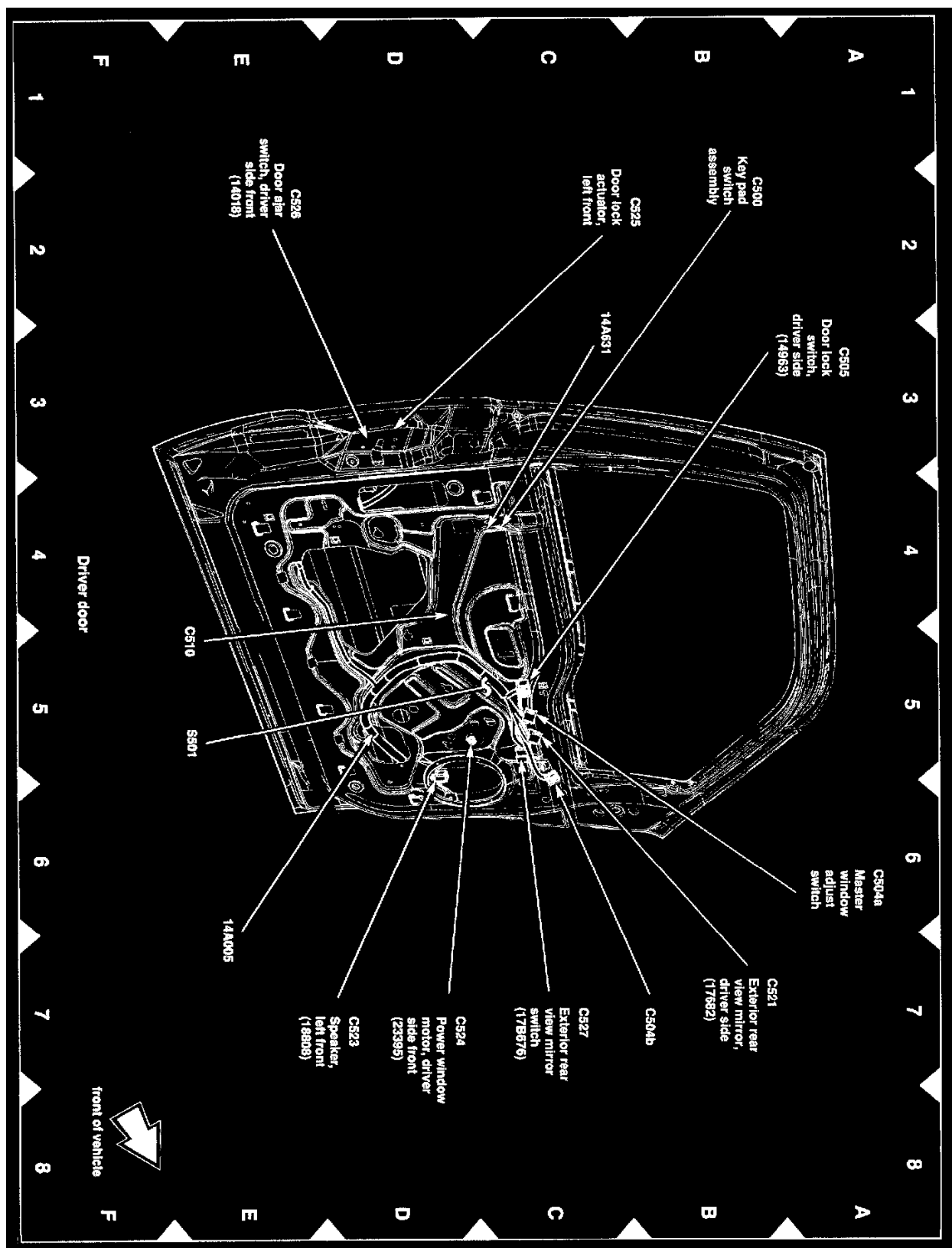
View 151-19 (Floor)



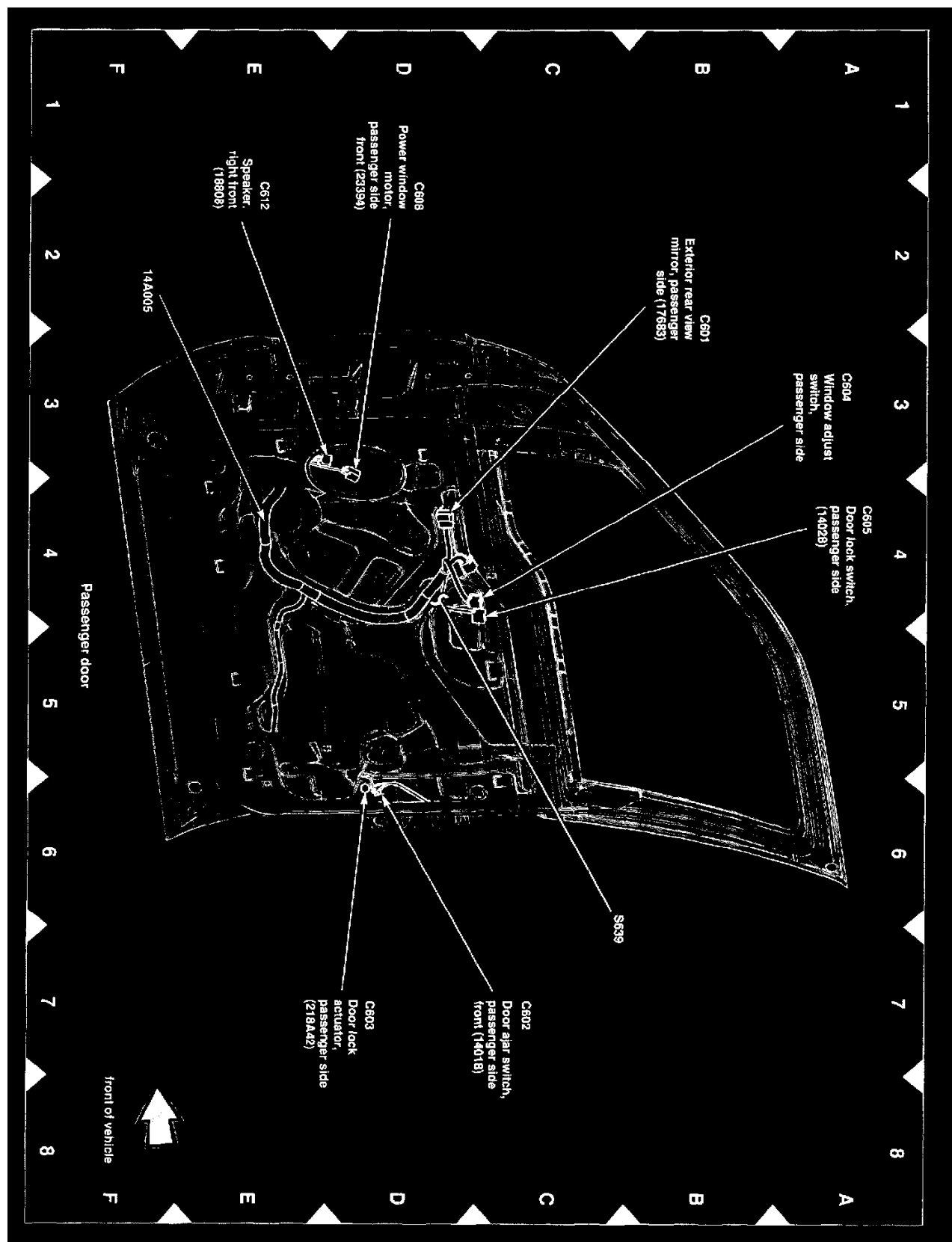
View 151-20 (Driver Seat)



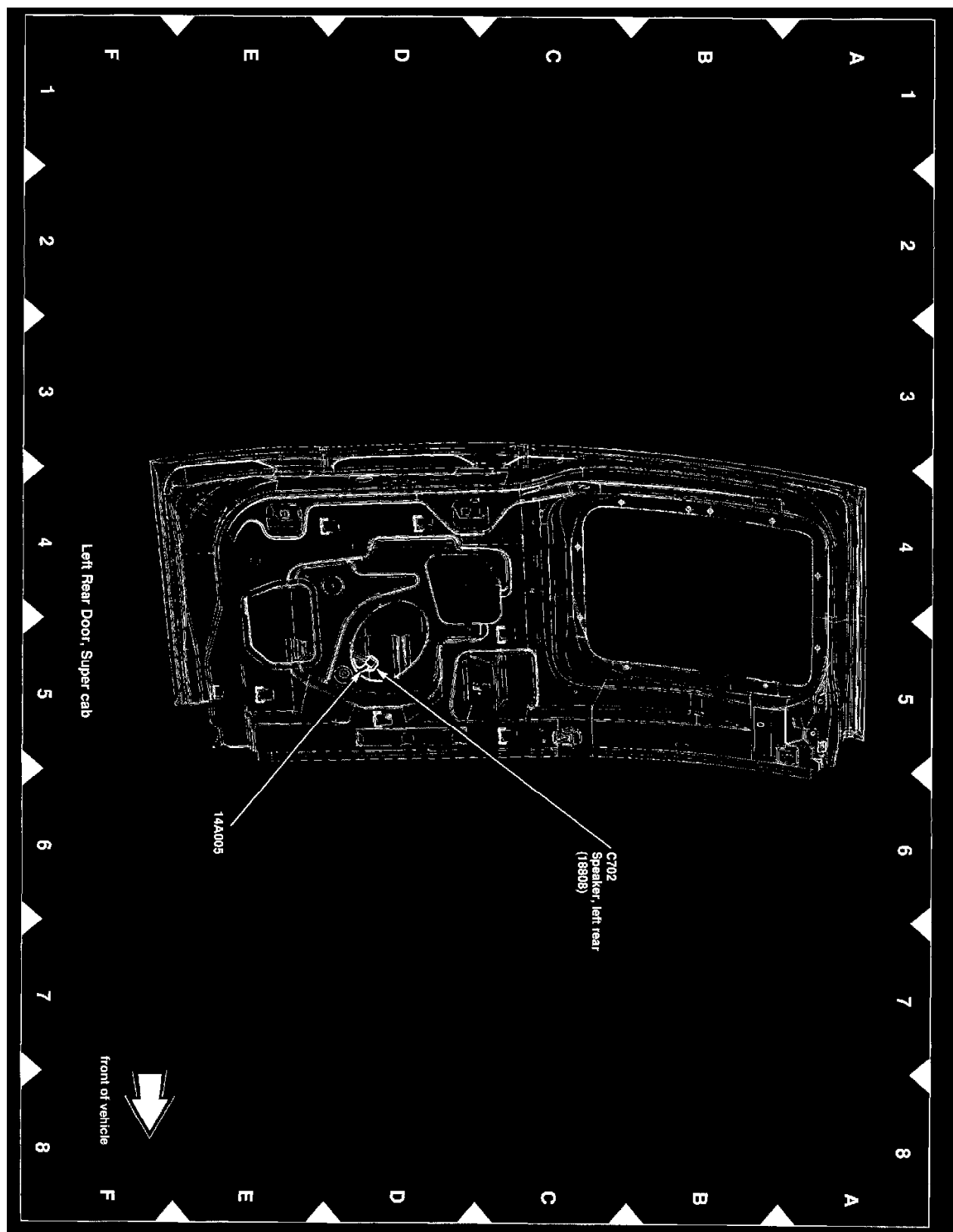
View 151-21 (Passenger Seat)



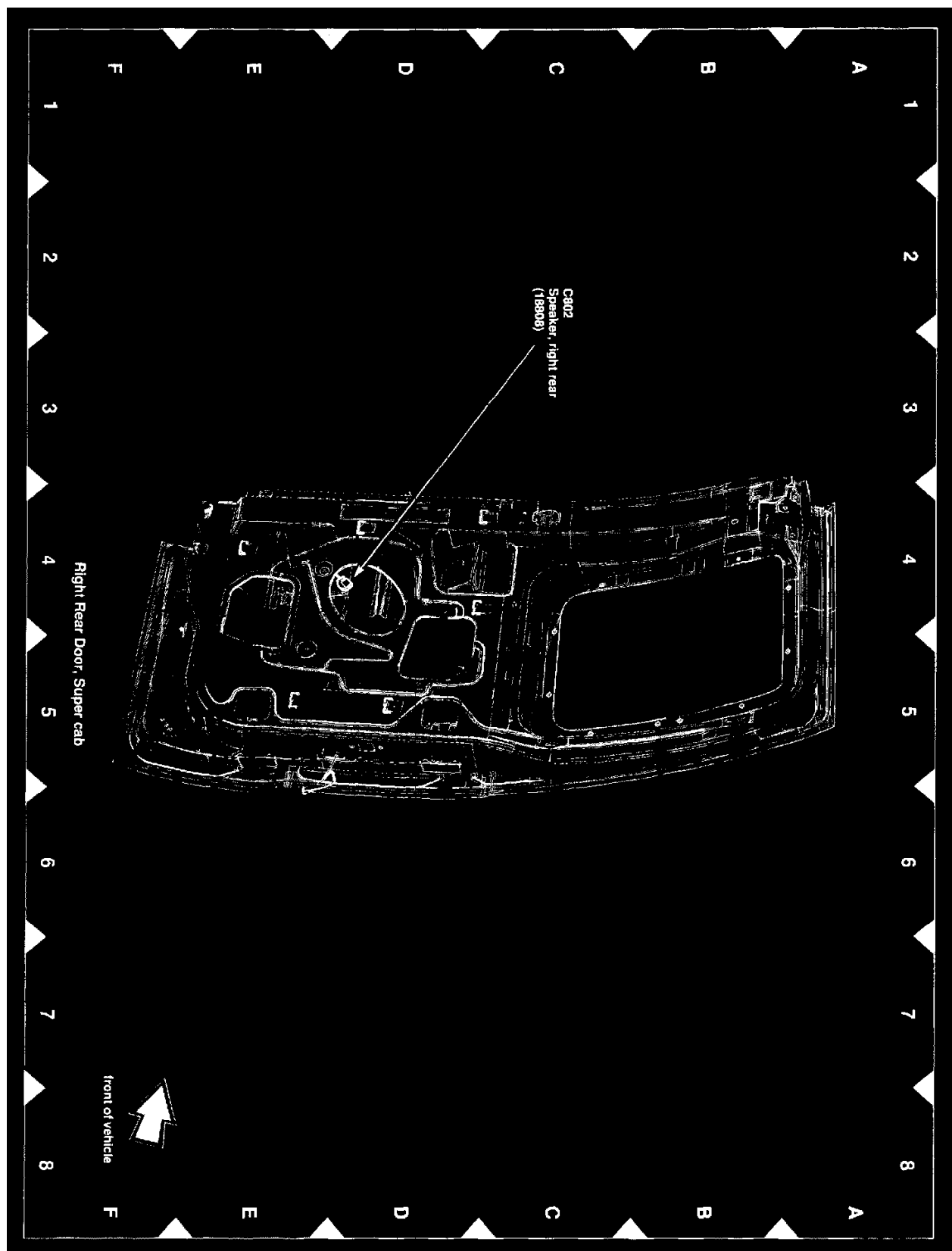
View 151-22 (Driver Door)



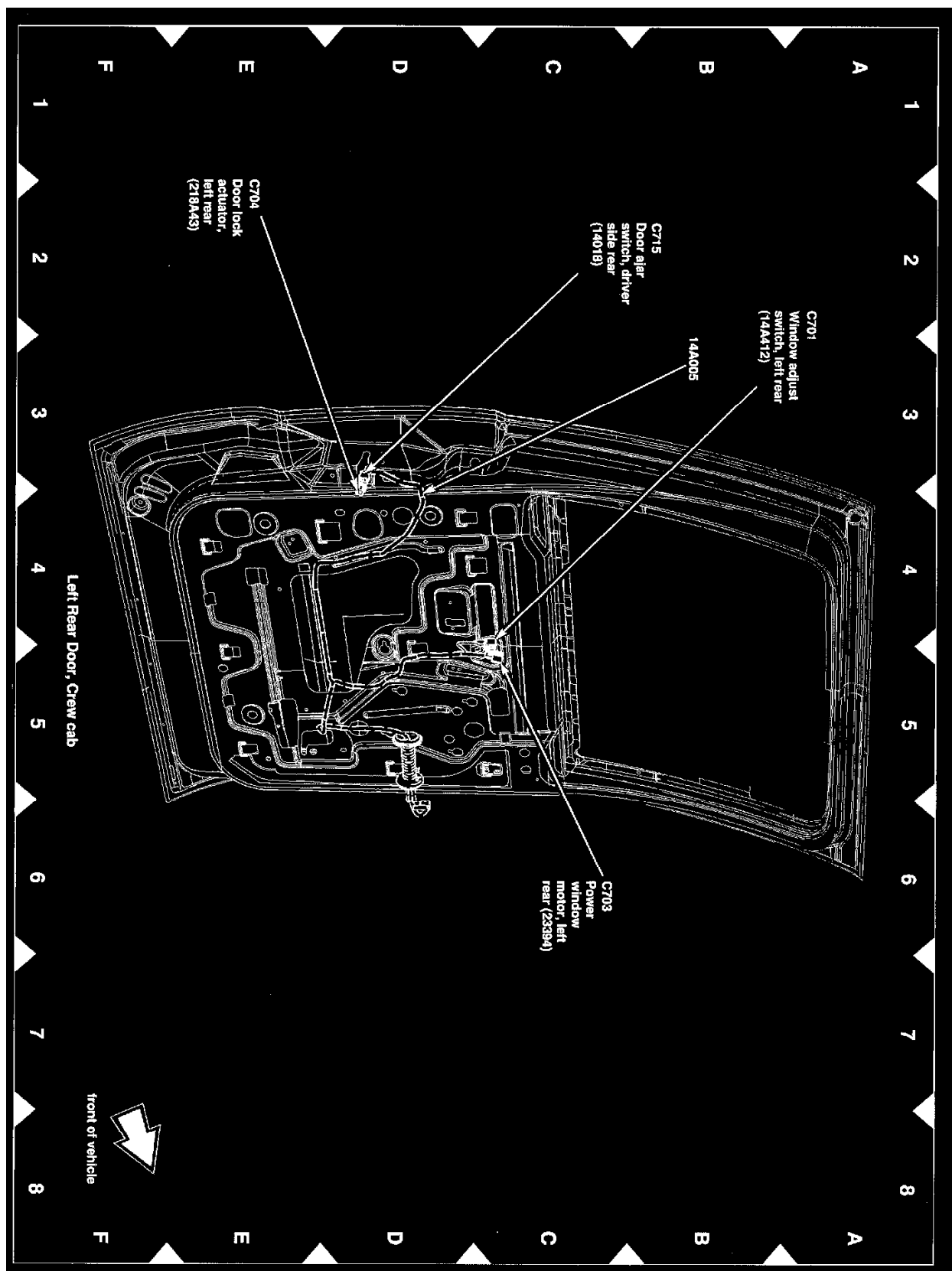
View 151-23 (Passenger Door)



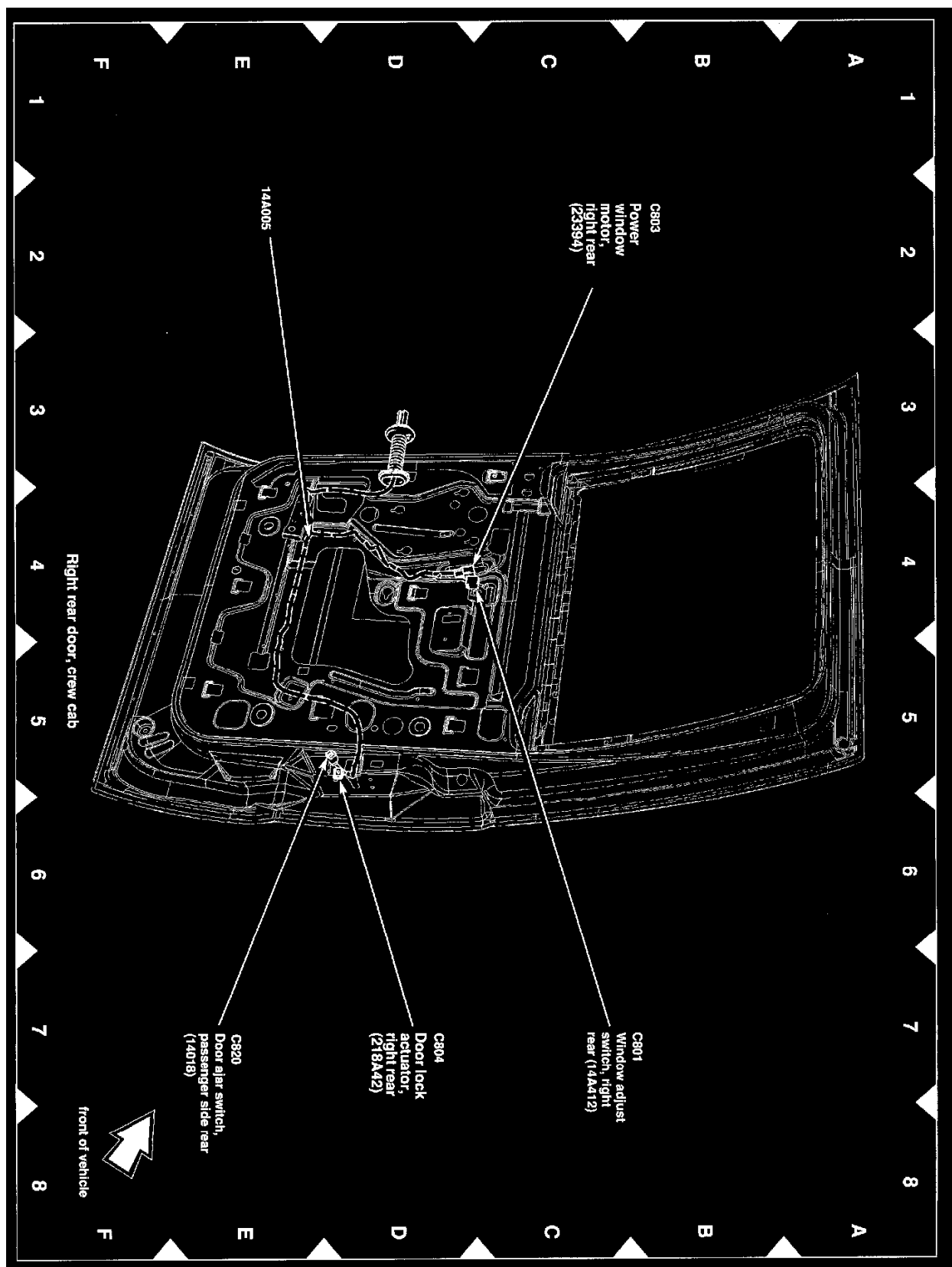
View 151-24 (Left Rear Door, Super Cab)



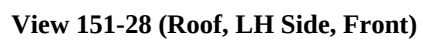
View 151-25 (Right Rear Door, Super Cab)

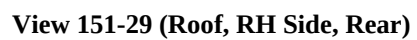


View 151-26 (Left Rear Door, Crew Cab)

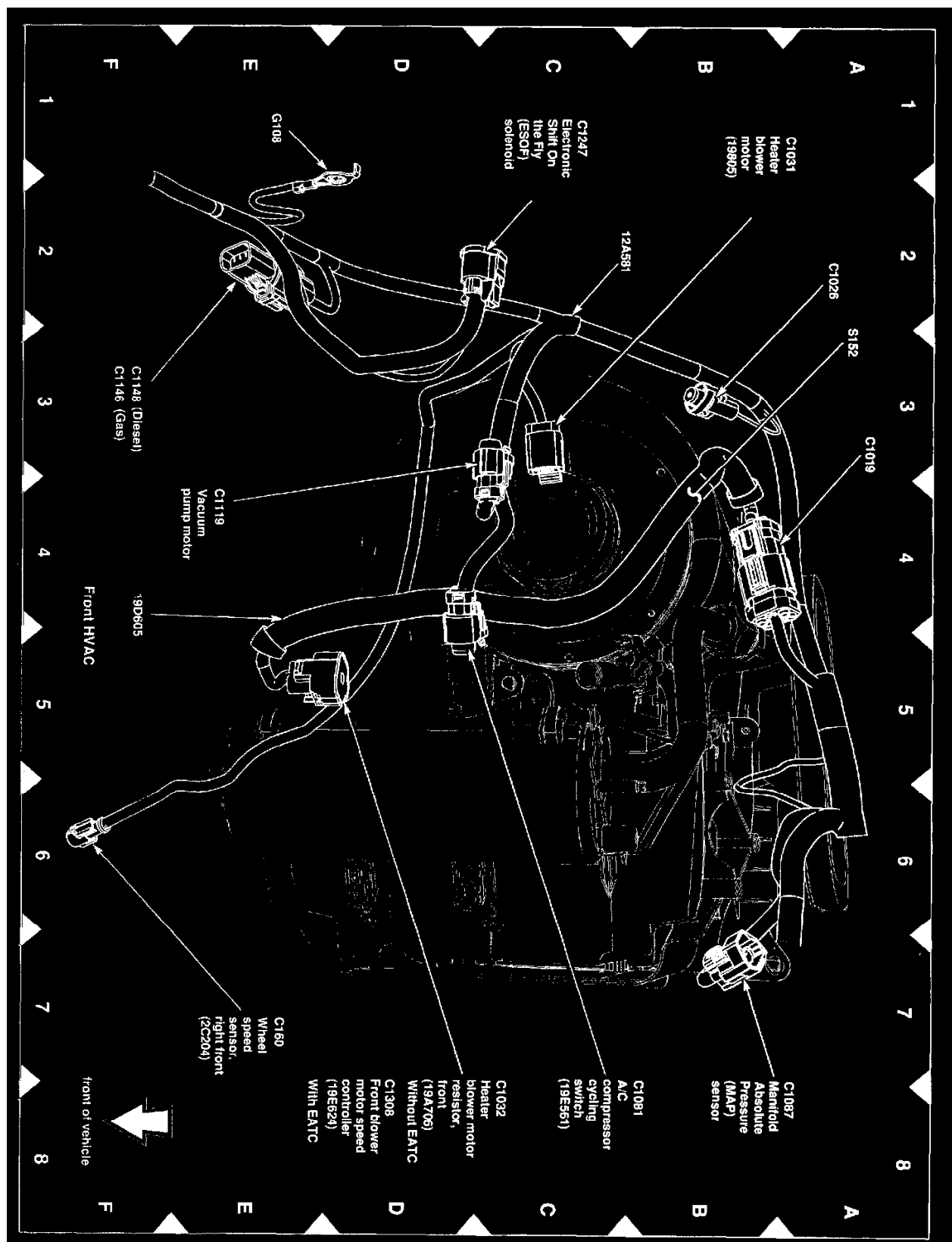


View 151-27 (Right Rear Door, Crew Cab)

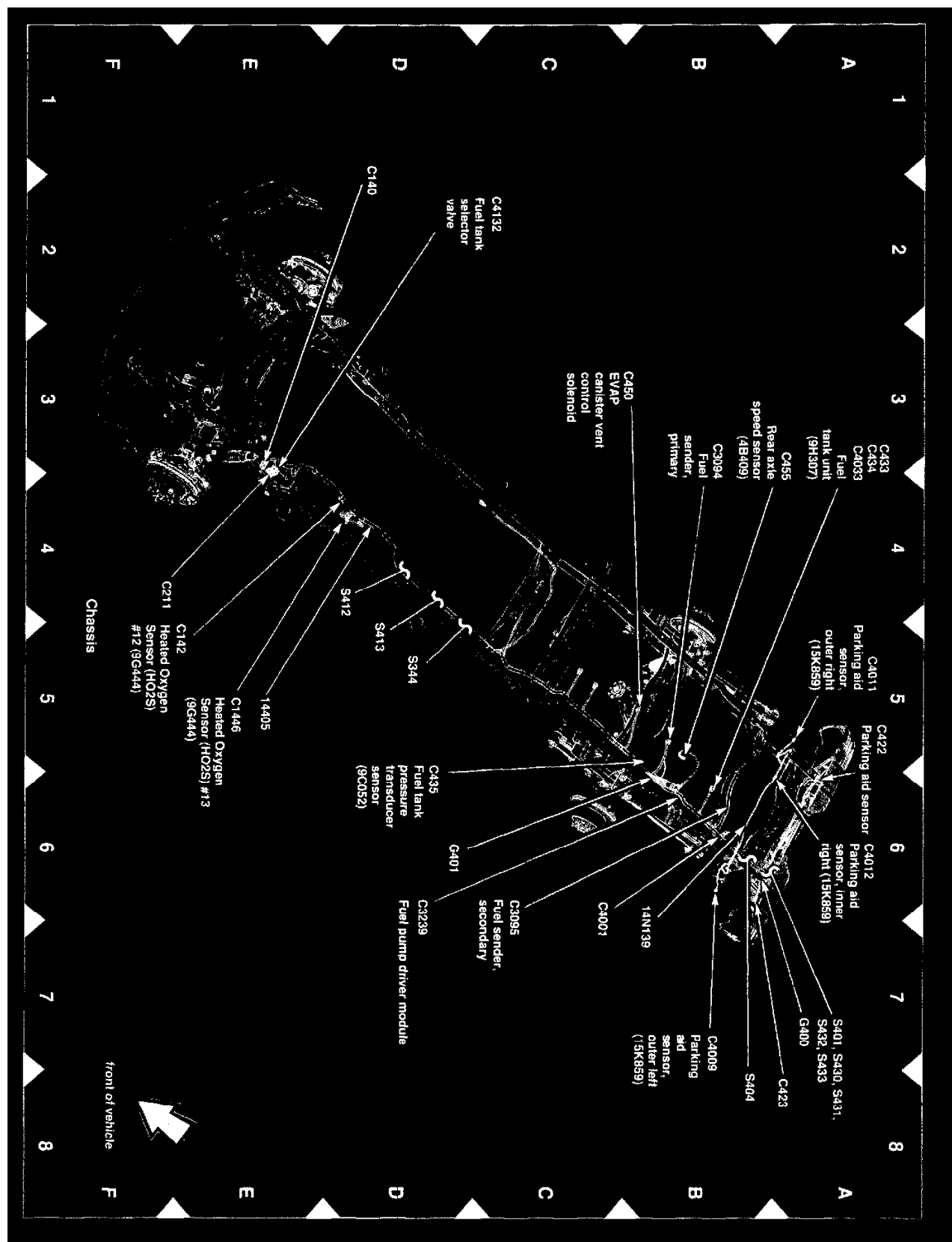




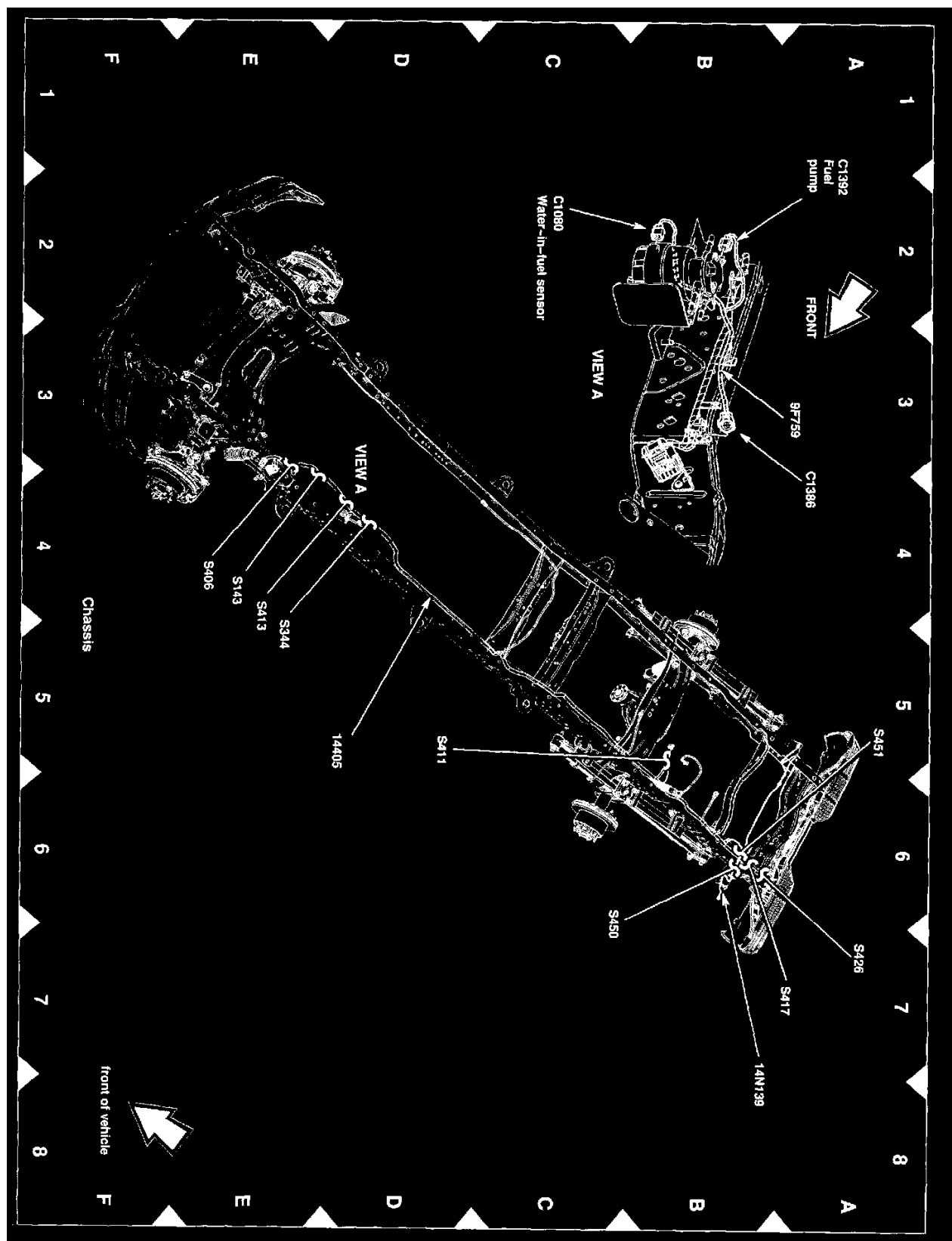
View 151-29 (Roof, RH Side, Rear)



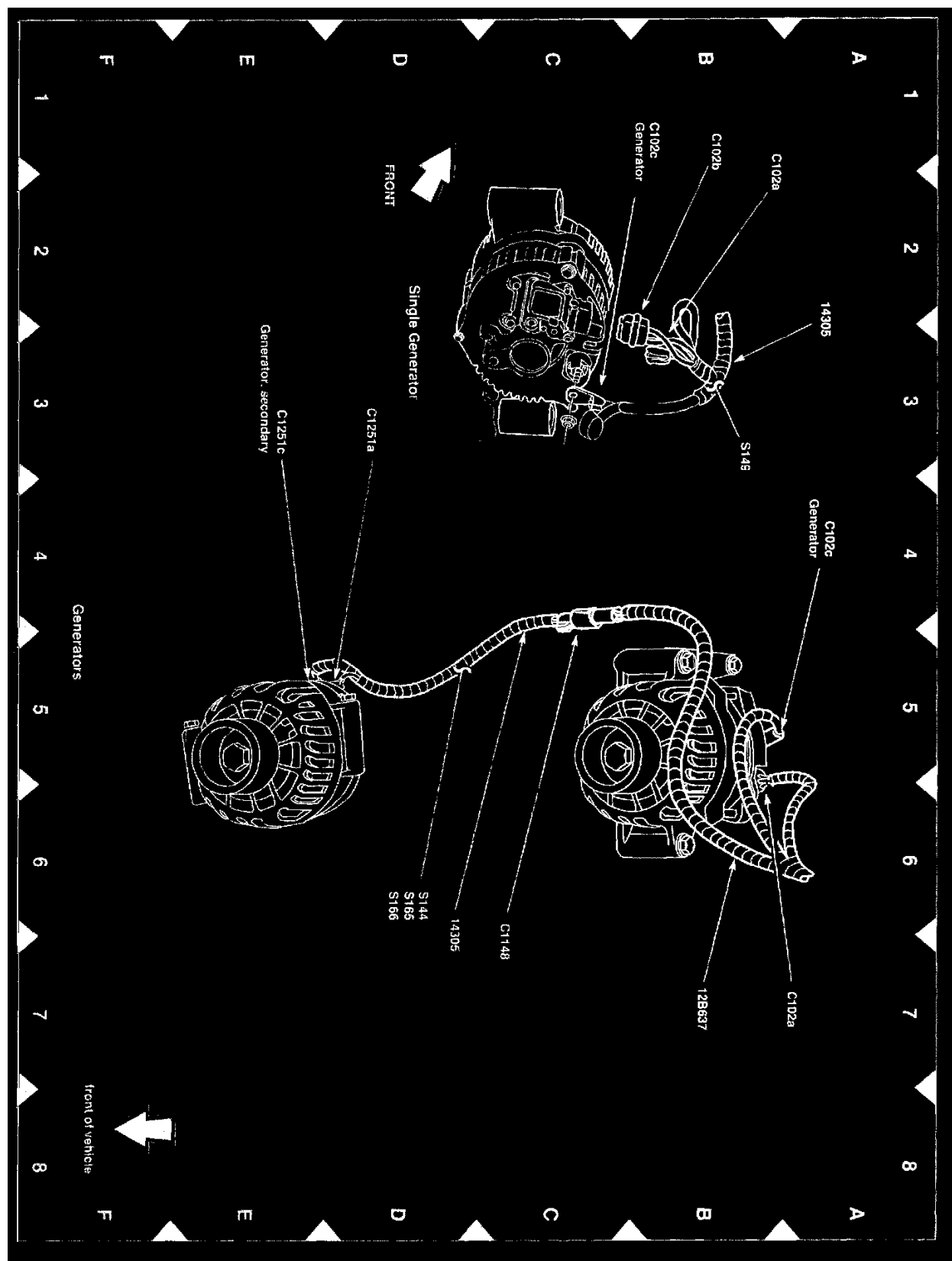
View 151-30 (Front HVAC)



View 151-31 (Chassis)



View 151-32 (Chassis)



View 151-33 (Generators)

Ground Location Index

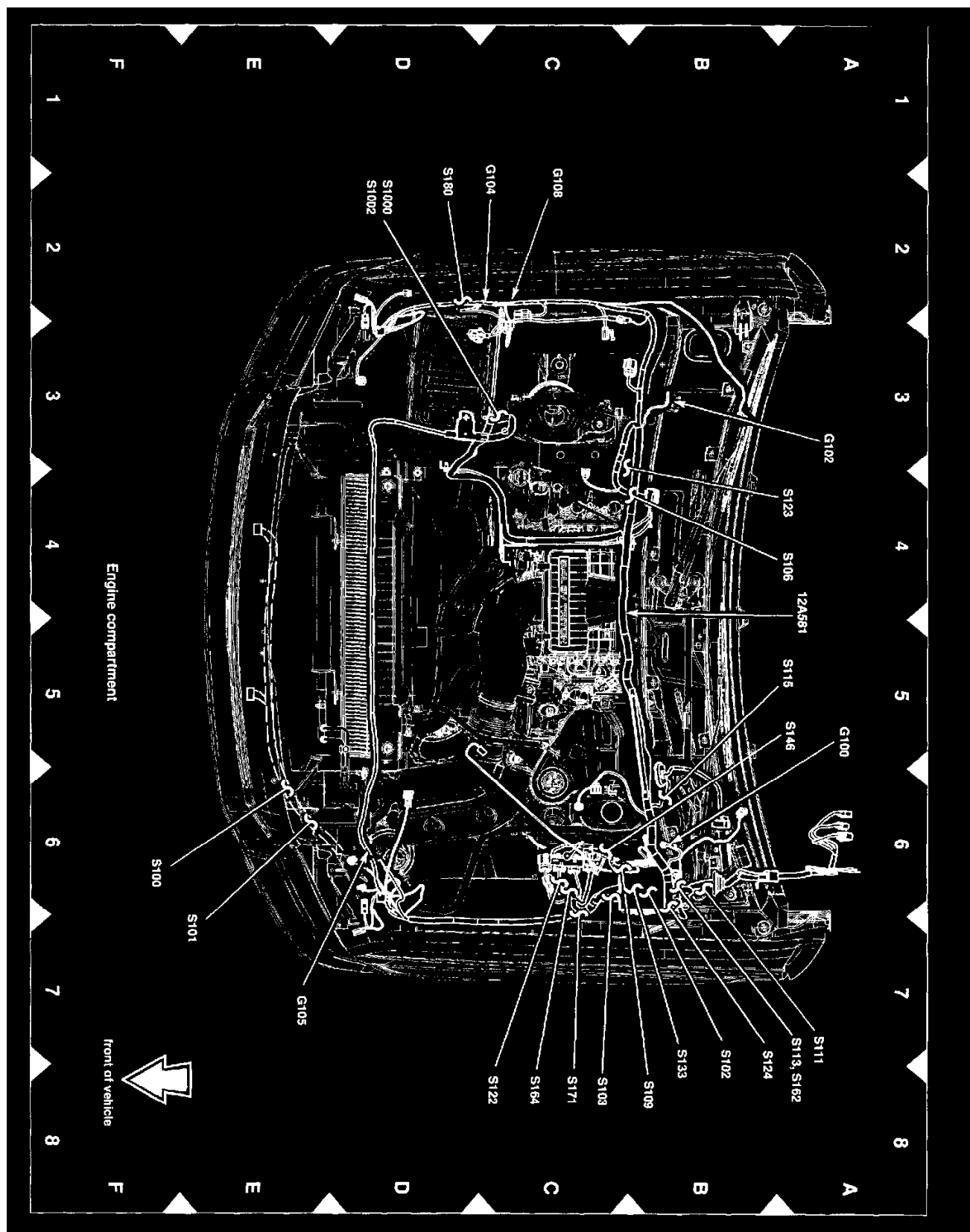
PLEASE NOTE: If a link on the Ground Location Index to a View is not provided, that means that the Ground and/or View in question does NOT apply to the vehicle model selected.

Ground points

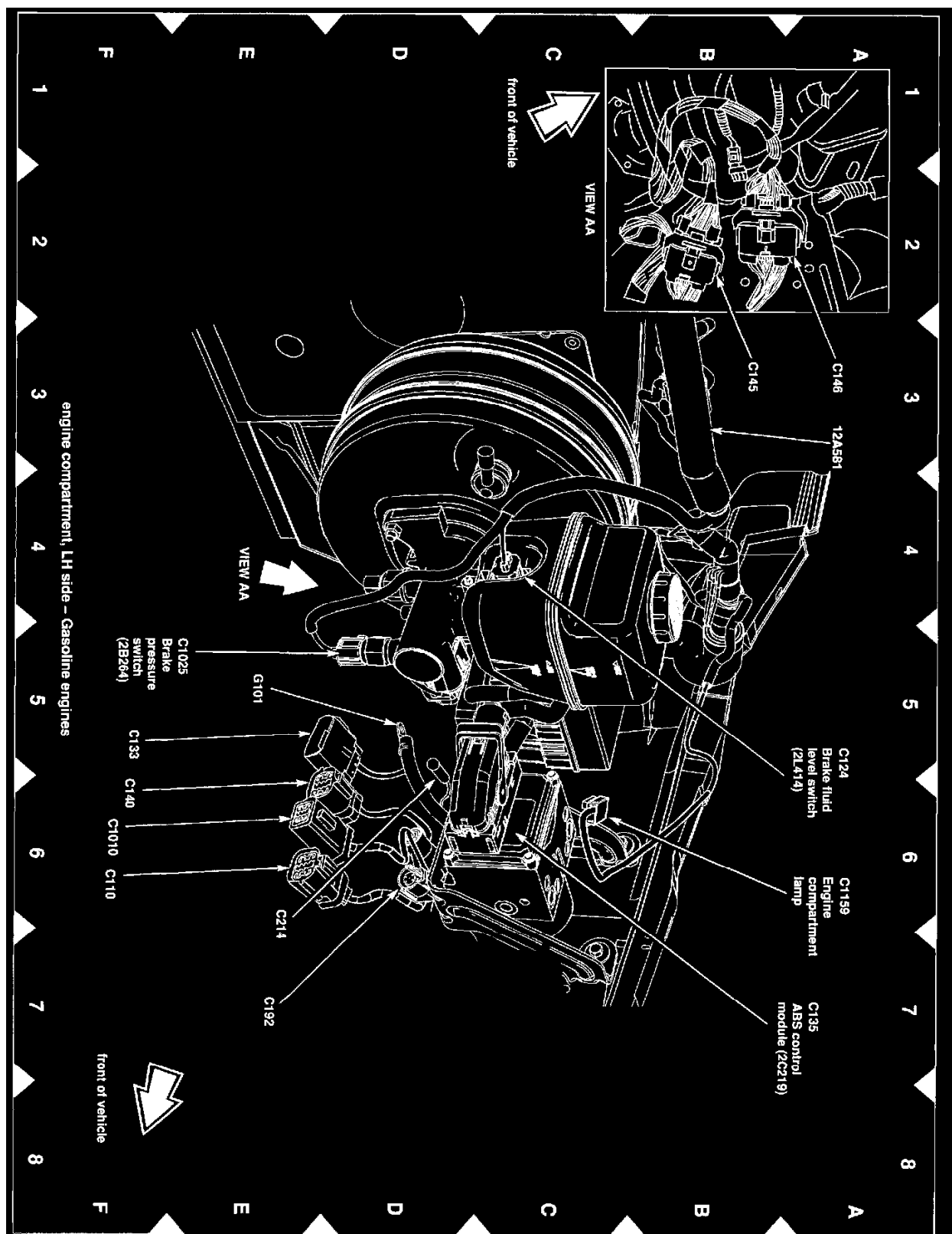
Location		View 151-*/coordinates	
G100	Engine compartment, rear, LH side - Diesel	...	4 - A6
G100	Engine compartment, rear, LH side	.....	2 - A5
G101	Engine compartment, LH side - Diesel	.....	4 - D7
G102	Engine compartment, RH side, rear	.....	2 - A3
G102	Engine, front, RH side - Diesel	.....	4 - F4
G104	Engine compartment, right fender	.....	2 - C2
G104	Engine compartment, right fender - Diesel	....	4 - C2
G105	Engine compartment, front, LH side	.....	2 - E7
G105	Engine compartment, front, LH side - Diesel	...	4 - F6
G106	Engine compartment, RH side, on frame rail - Diesel	.....	4 - F3
G108	Engine compartment, RH side	.....	30 - E1
G108	Engine compartment, RH side	.....	2 - C2
G108	Engine compartment, RH side - Diesel	.....	4 - C2
G109	Engine, LH side - Diesel	.....	4 - F6
G110	Engine, top, rear - 6.0L Diesel	.....	13 - C1
G200	behind dash panel, LH side	.....	17 - E5
G201	behind dash panel, LH side	.....	17 - E4
G202	behind dash panel, LH side	.....	17 - E4
G203	under dash panel, RH side	.....	17 - D1
G300	under dash panel, LH side	.....	28 - F3
G400	Vehicle underbody, rear, chassis side member, LH side	.....	31 - A7
G401	Vehicle underbody, LH side	.....	31 - D6
G900	LH C-Pillar	.....	28 - A7
G2300	Behind dash panel, center	.....	17 - D5

G100-G2300

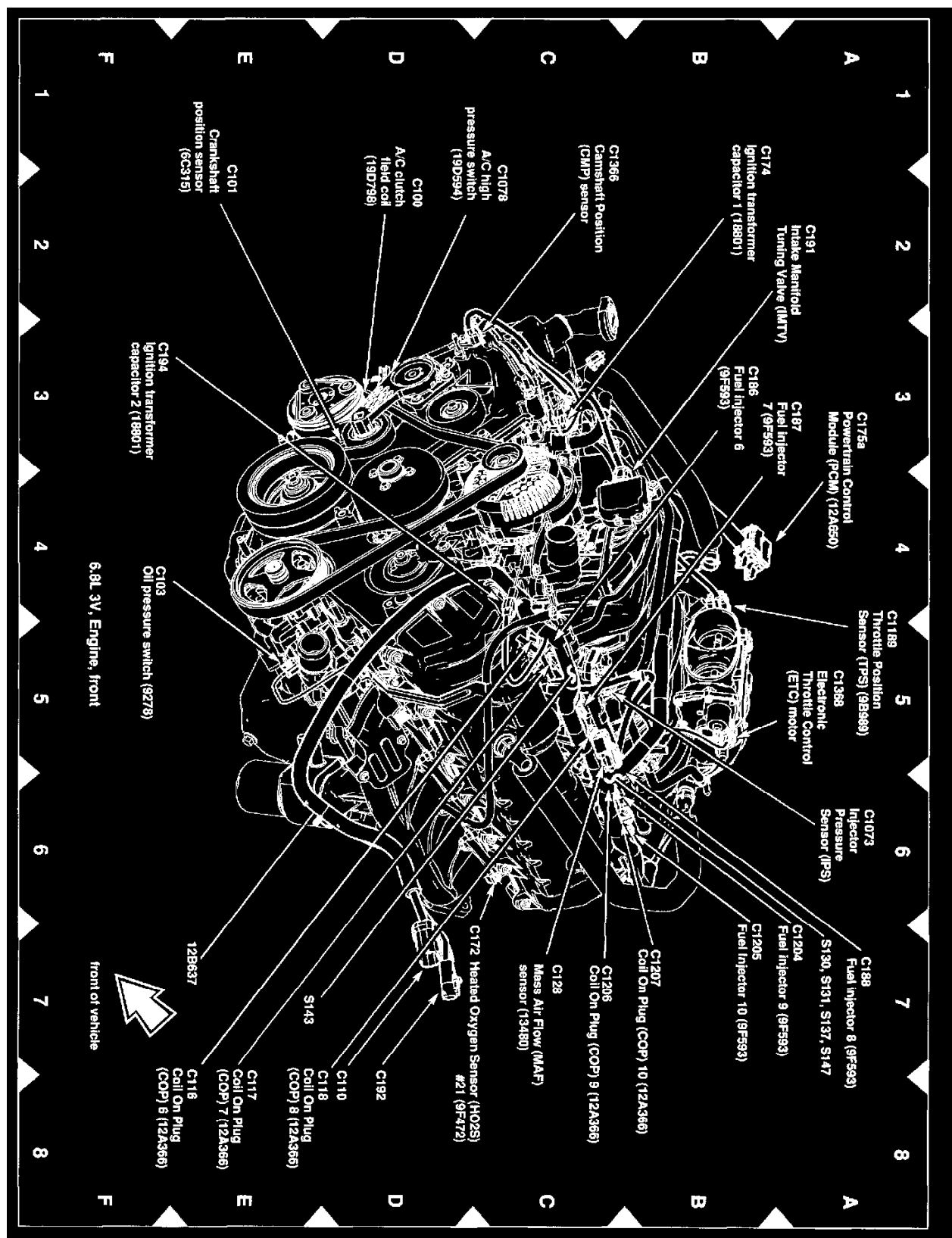




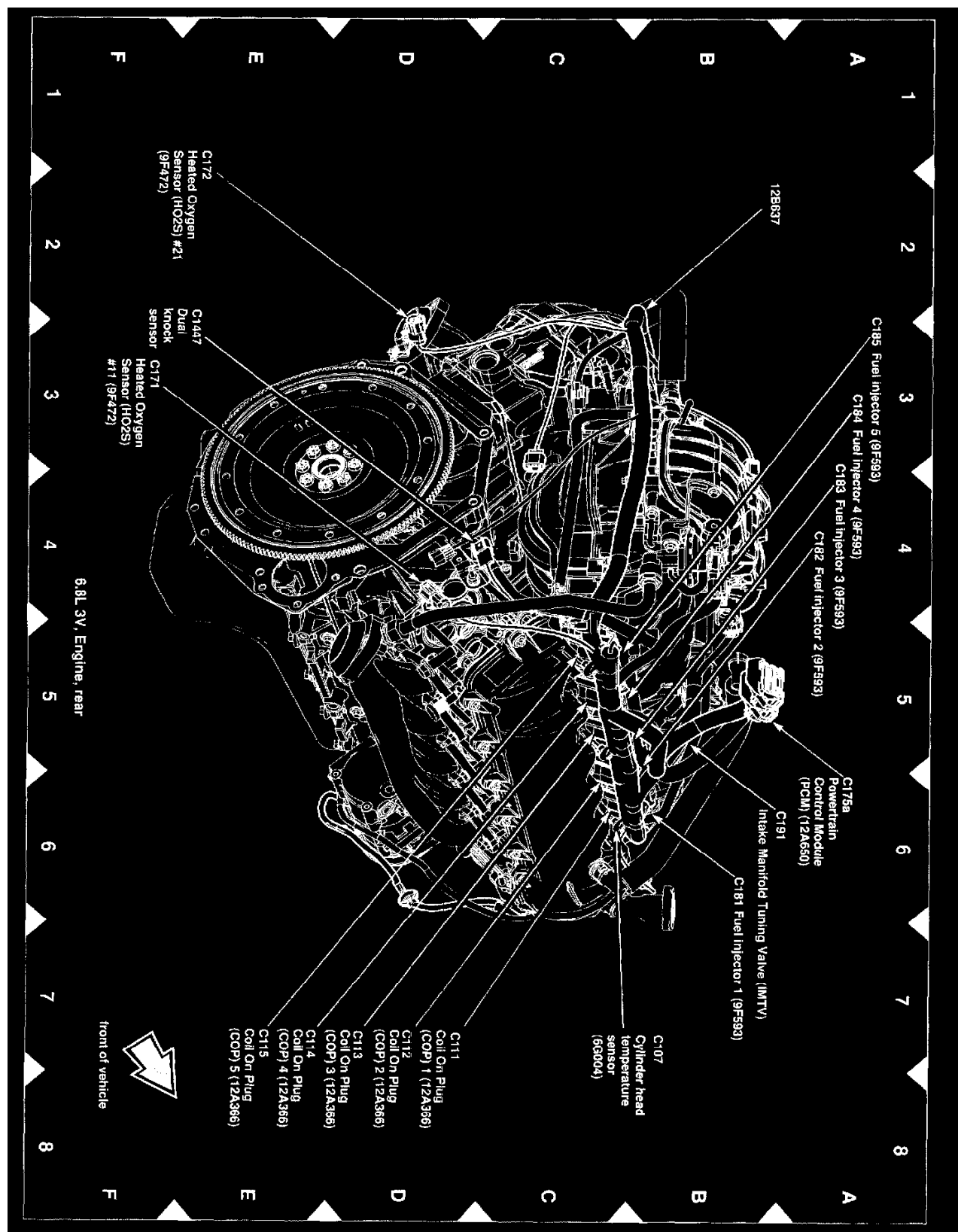
View 151-2 (Engine Compartment)



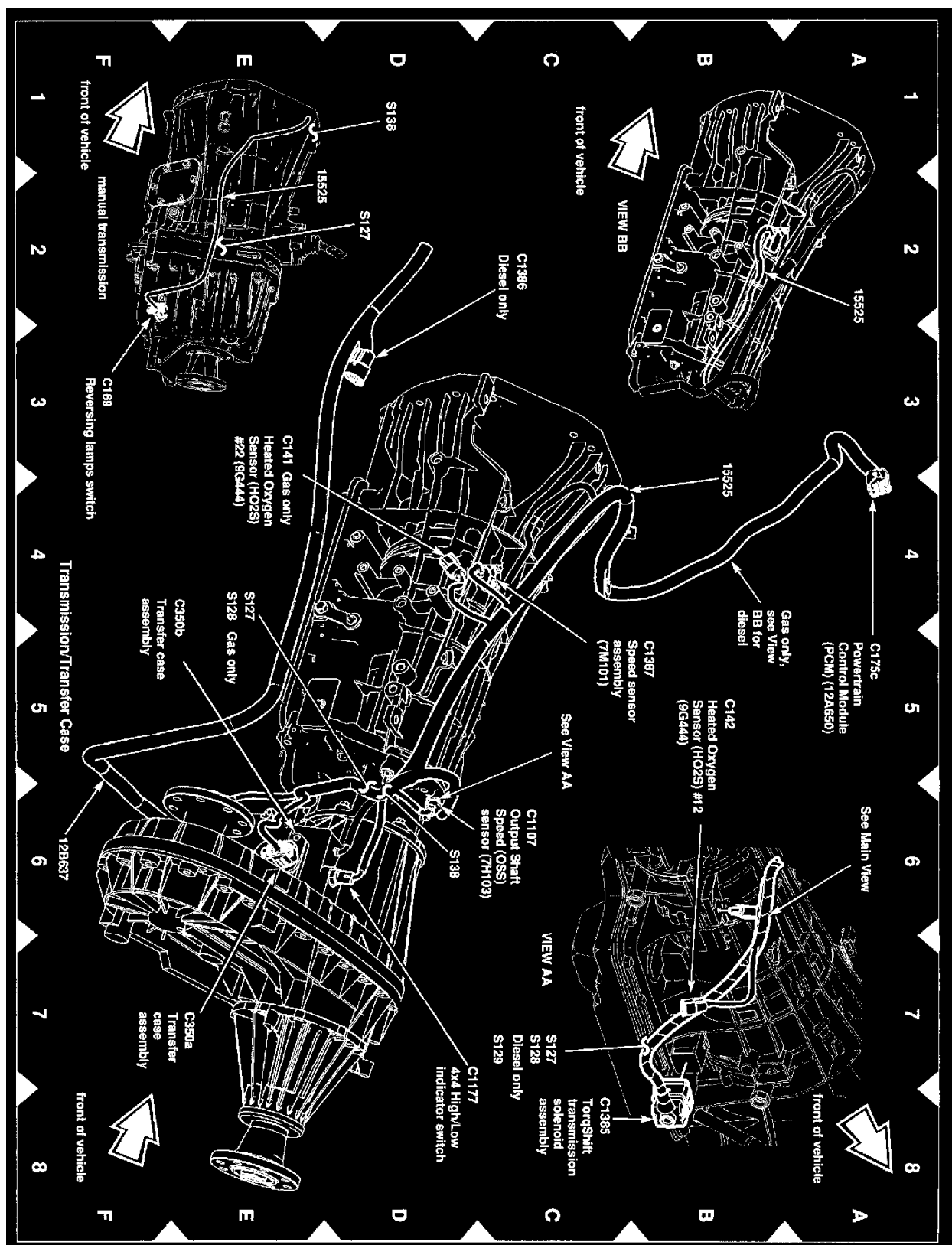
View 151-6 (Engine Compartment, LH Side)



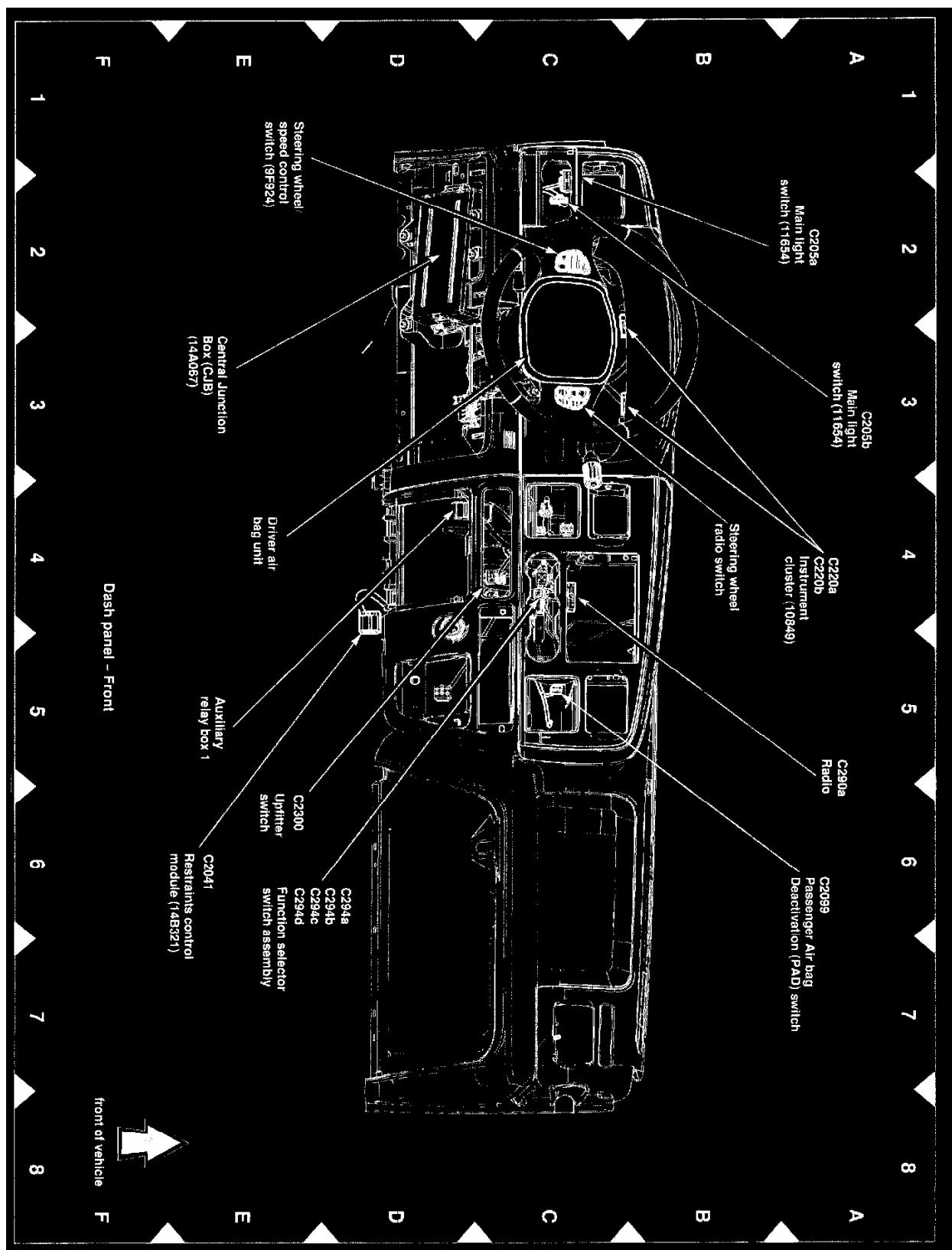
View 151-10 (Engine, Front)



View 151-11 (Engine, Rear)



View 151-14 (Transmission/Transfer Case)

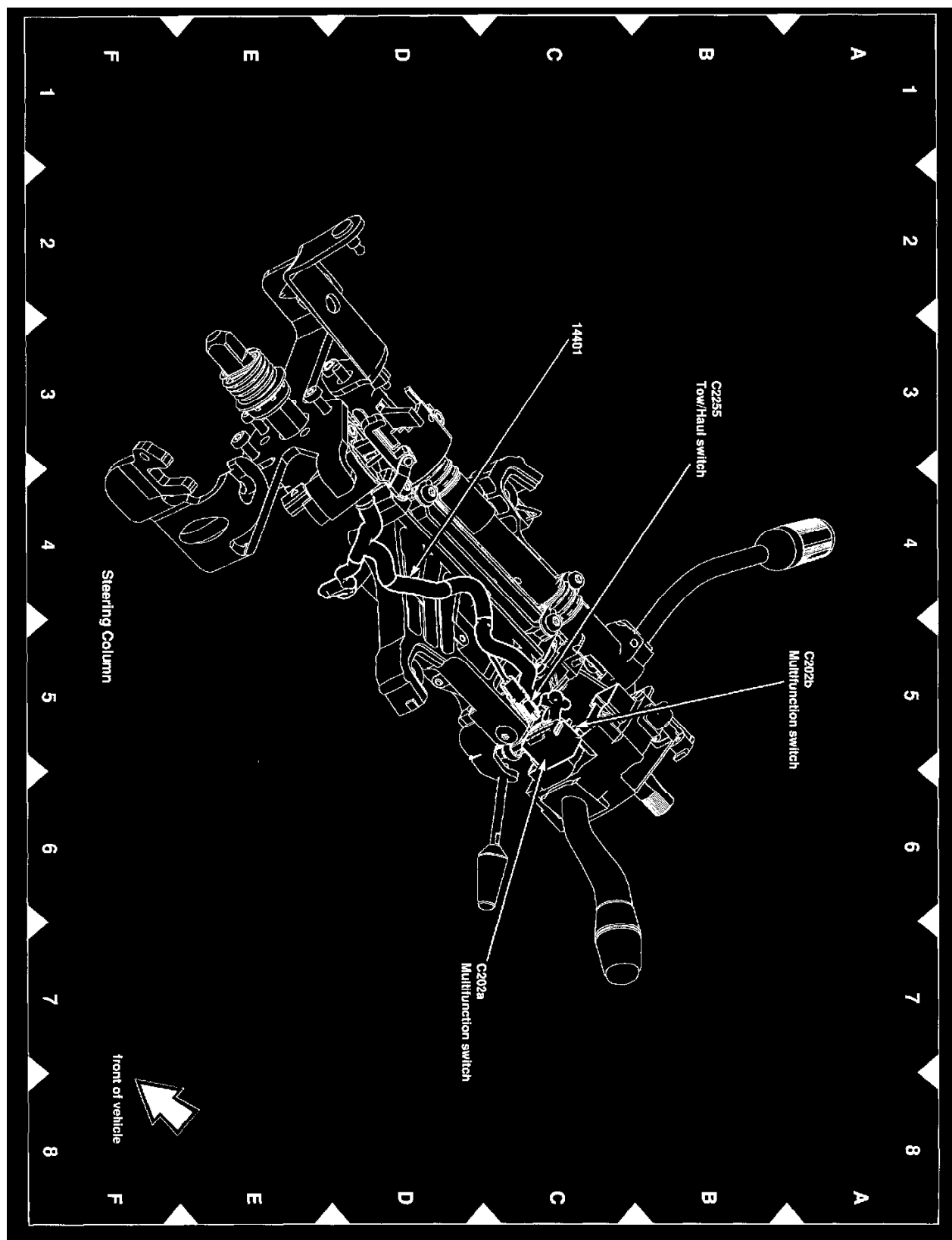


View 151-15 (Dash Panel - Front)

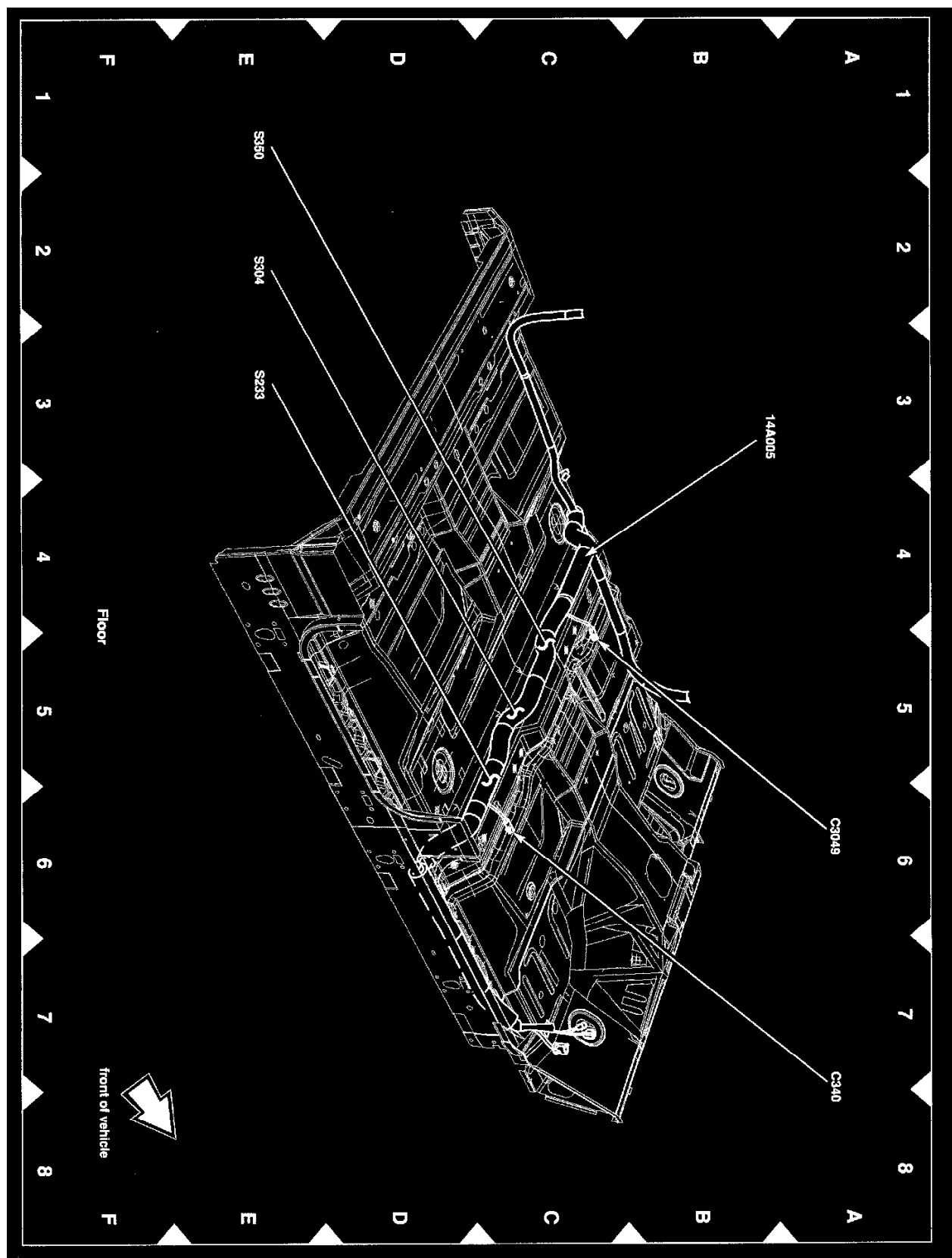




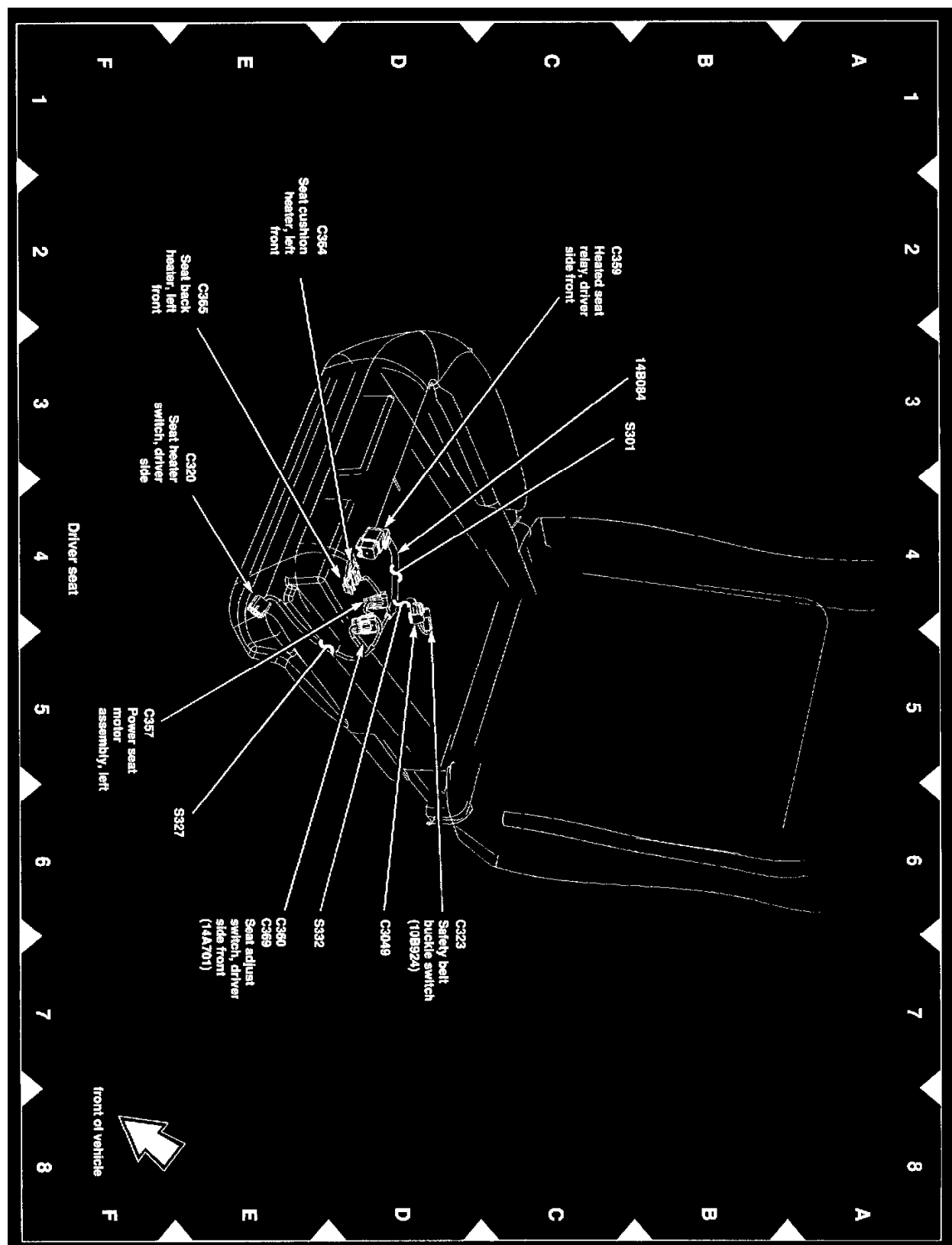
View 151-17 (Instrument Panel (Back))



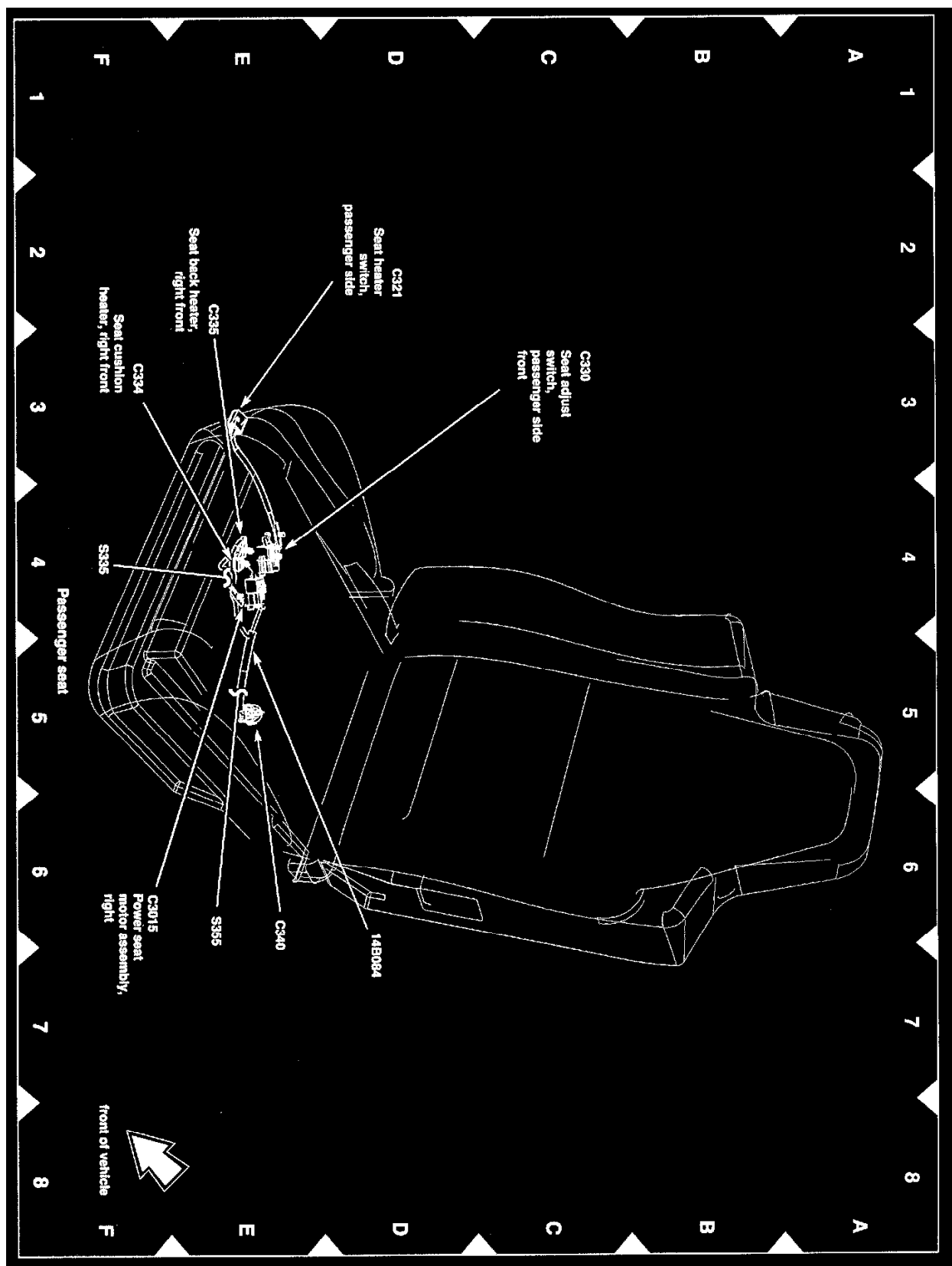
View 151-18 (Steering Column)



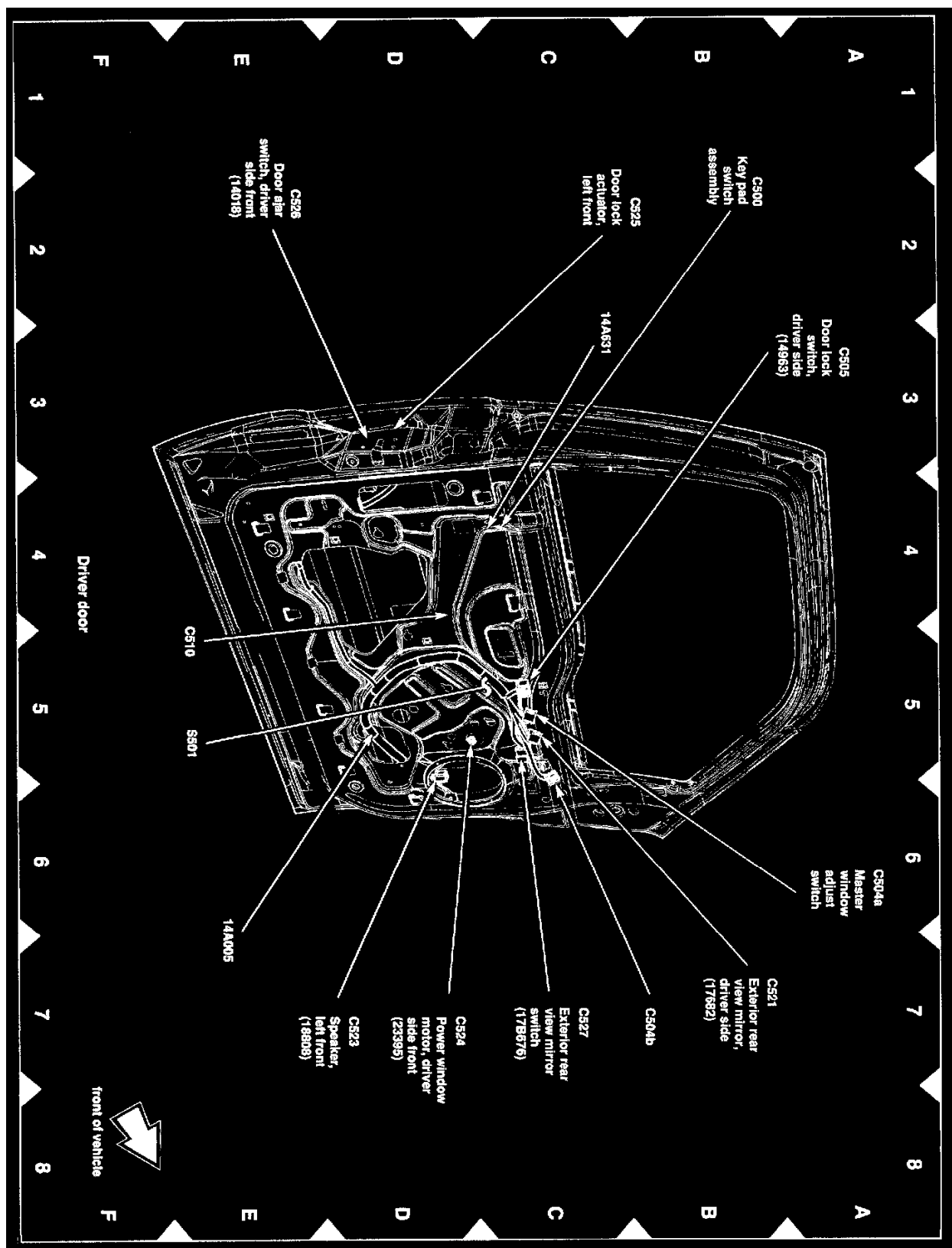
View 151-19 (Floor)



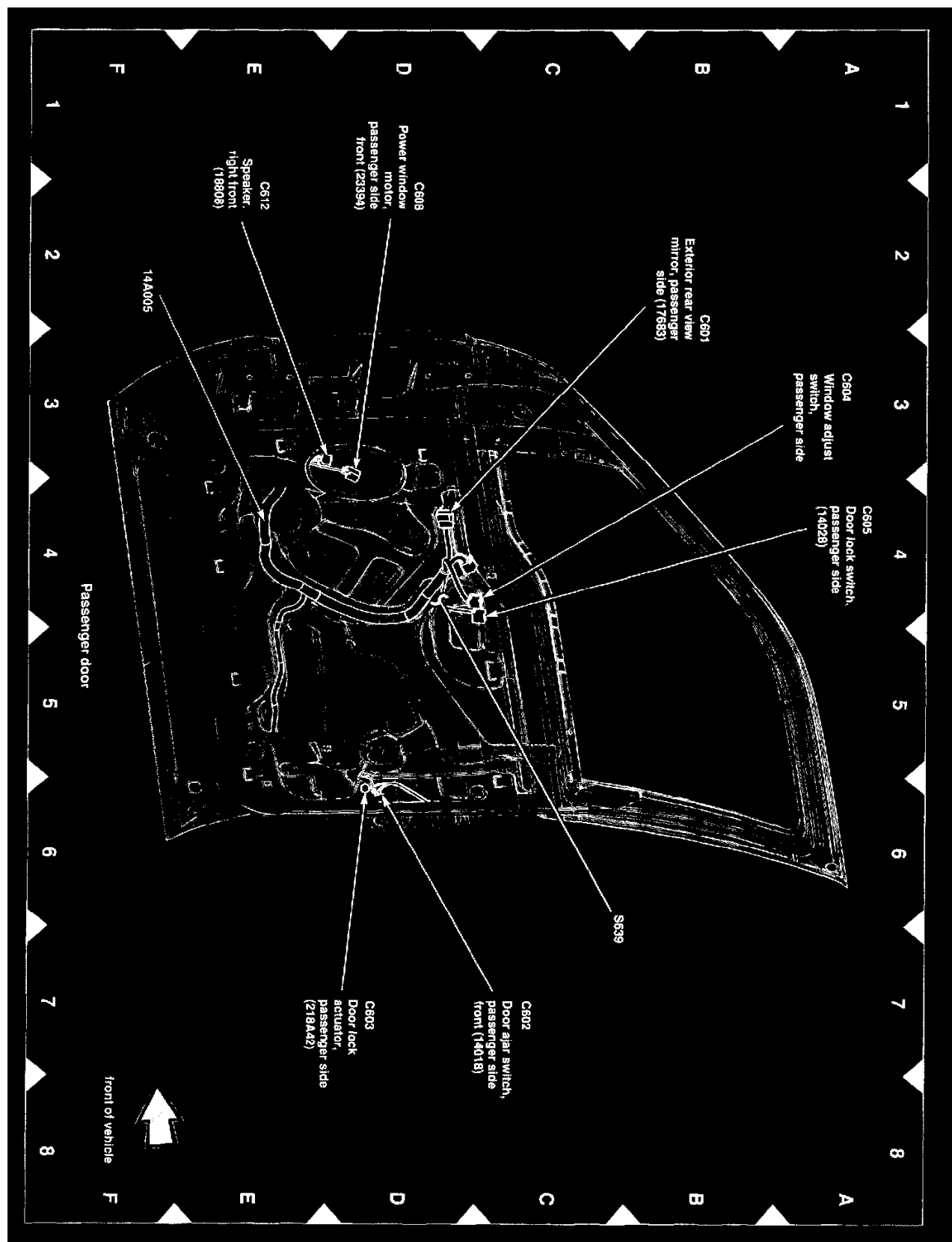
View 151-20 (Driver Seat)



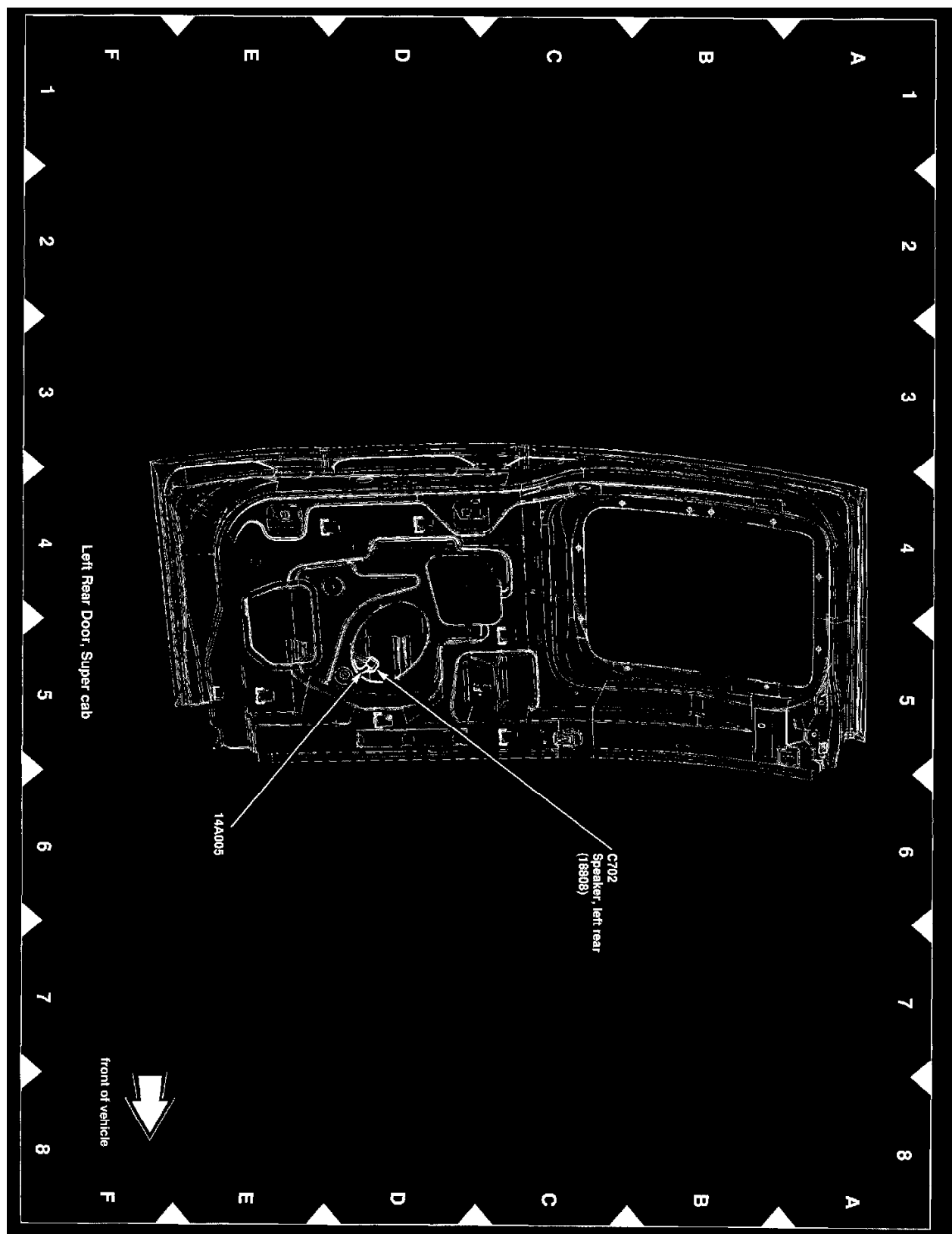
View 151-21 (Passenger Seat)



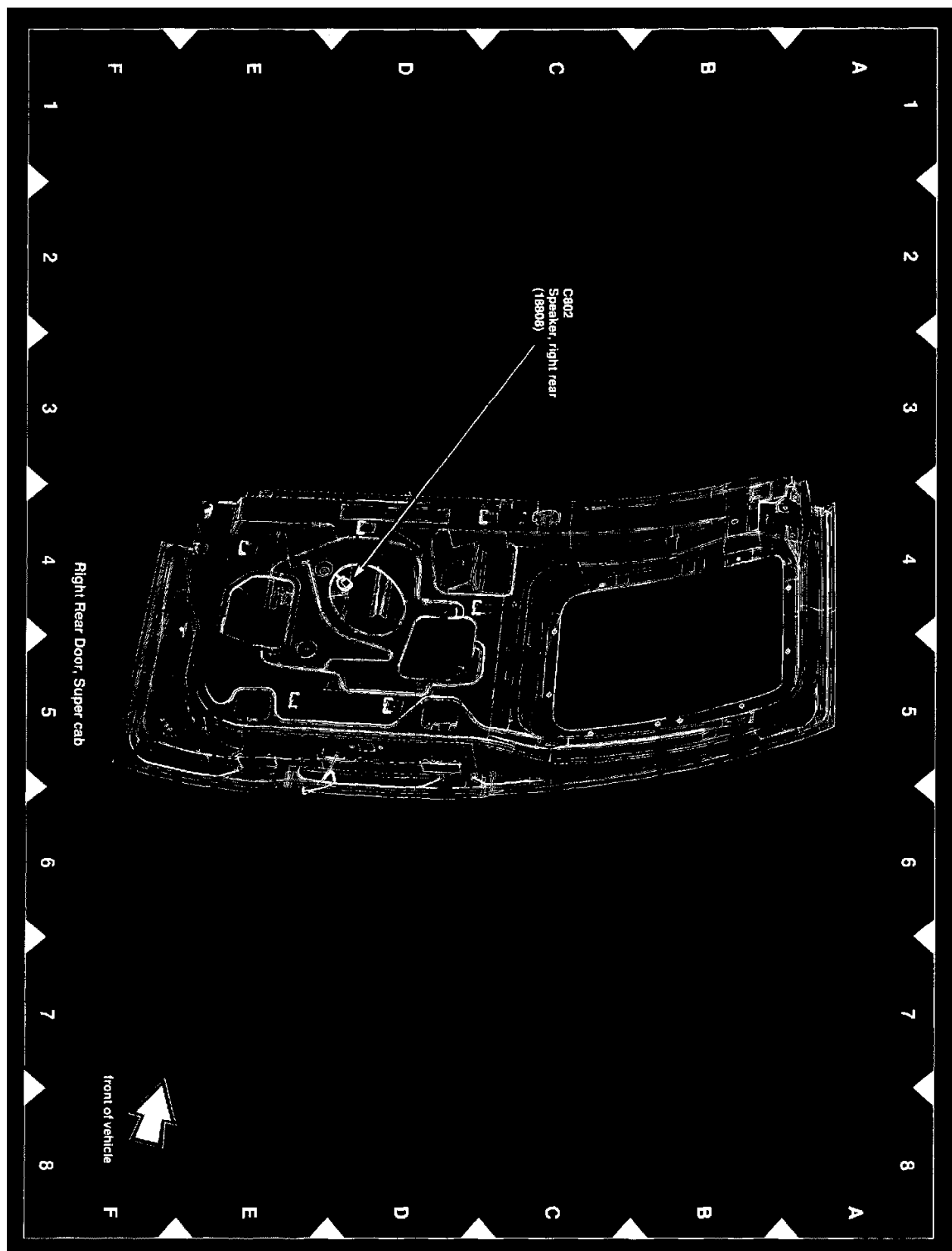
View 151-22 (Driver Door)



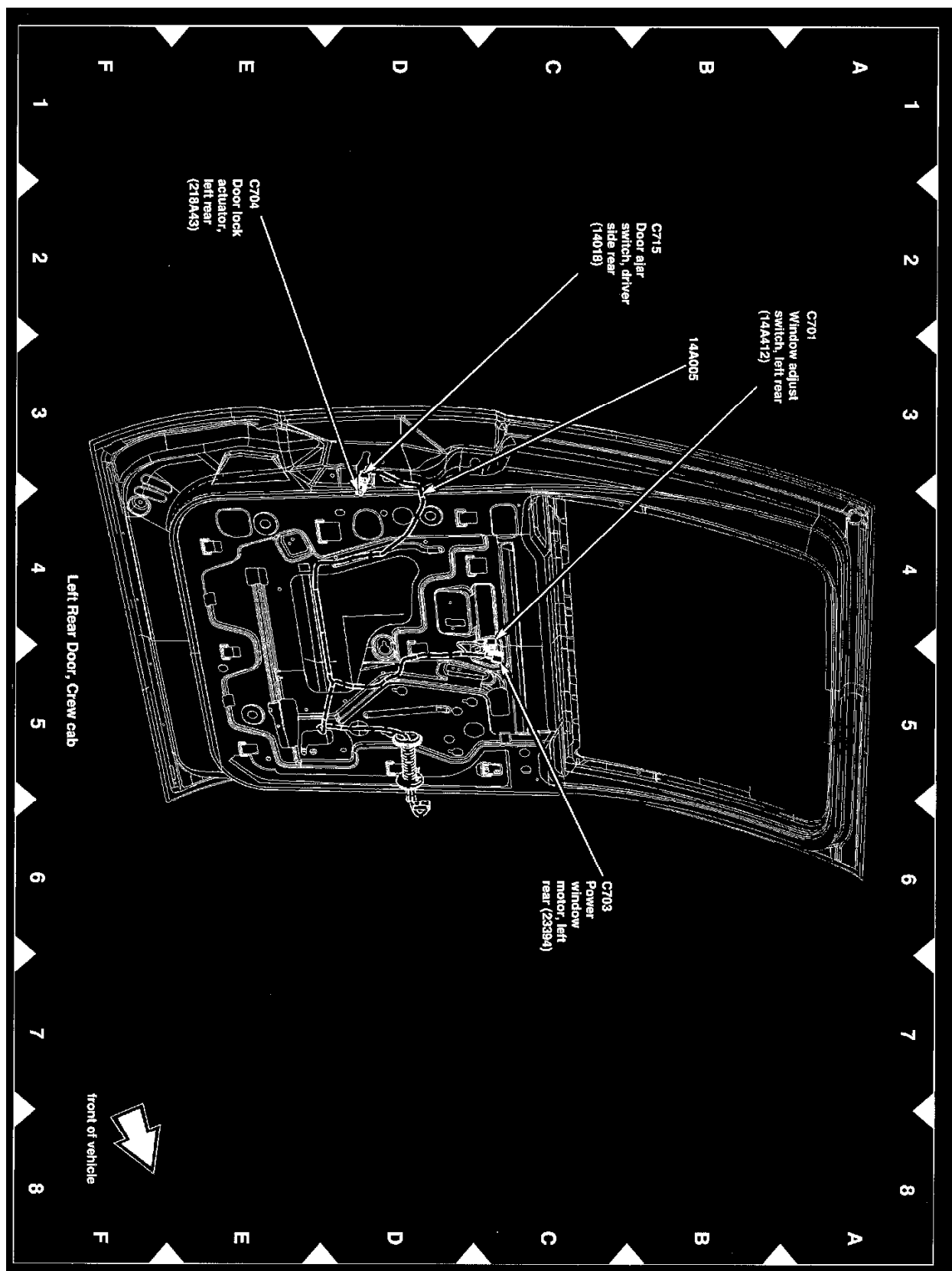
View 151-23 (Passenger Door)



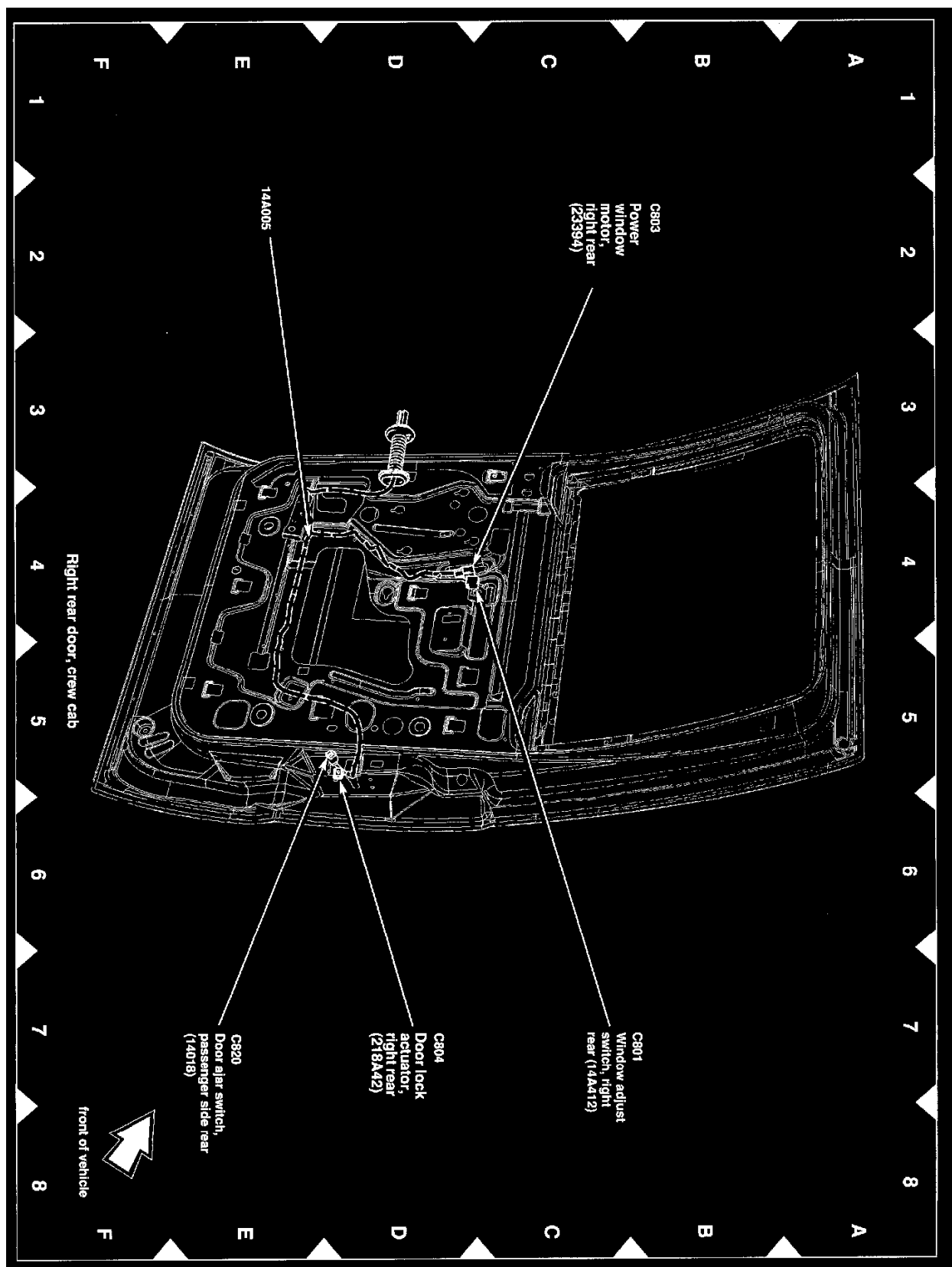
View 151-24 (Left Rear Door, Super Cab)



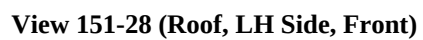
View 151-25 (Right Rear Door, Super Cab)

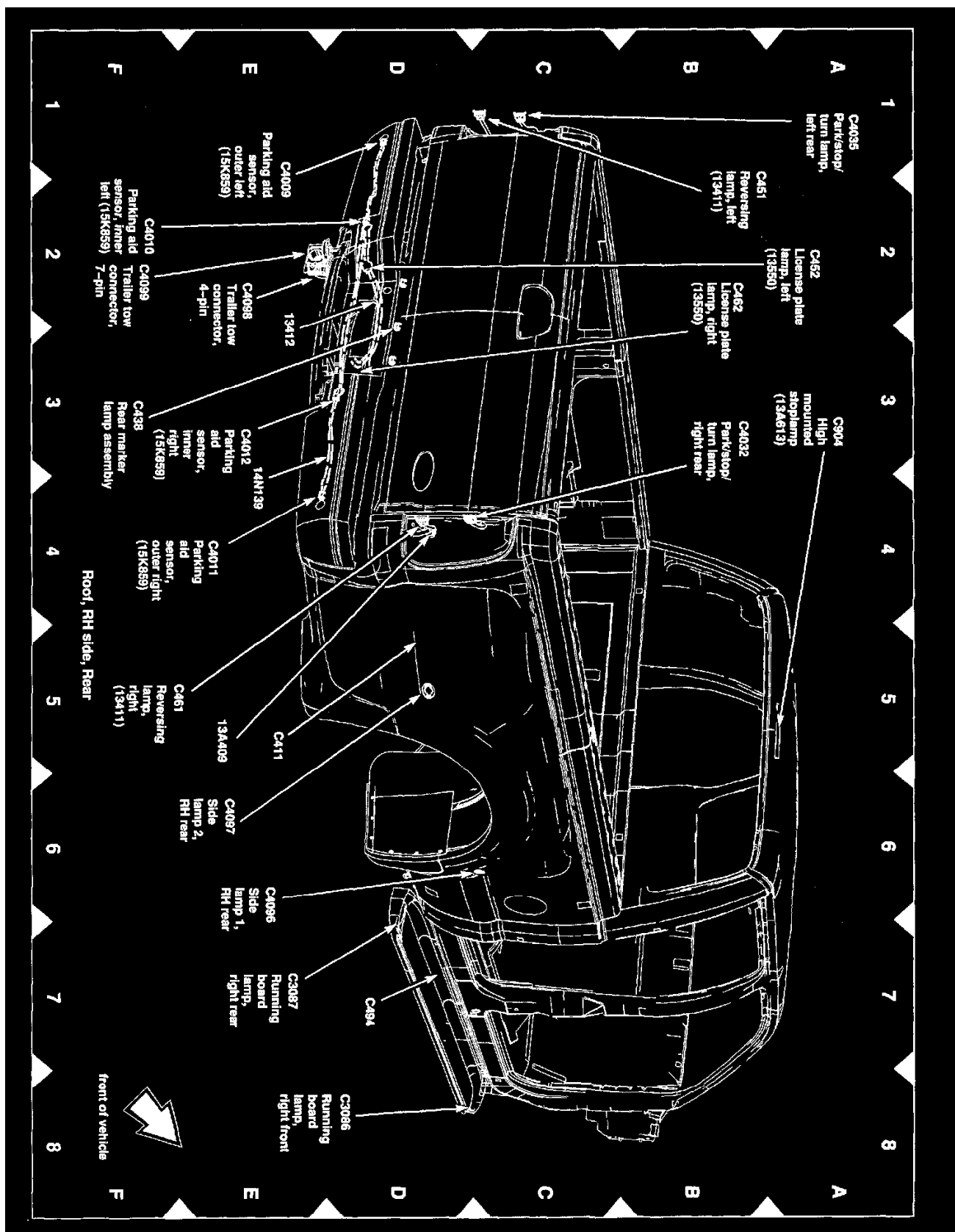


View 151-26 (Left Rear Door, Crew Cab)

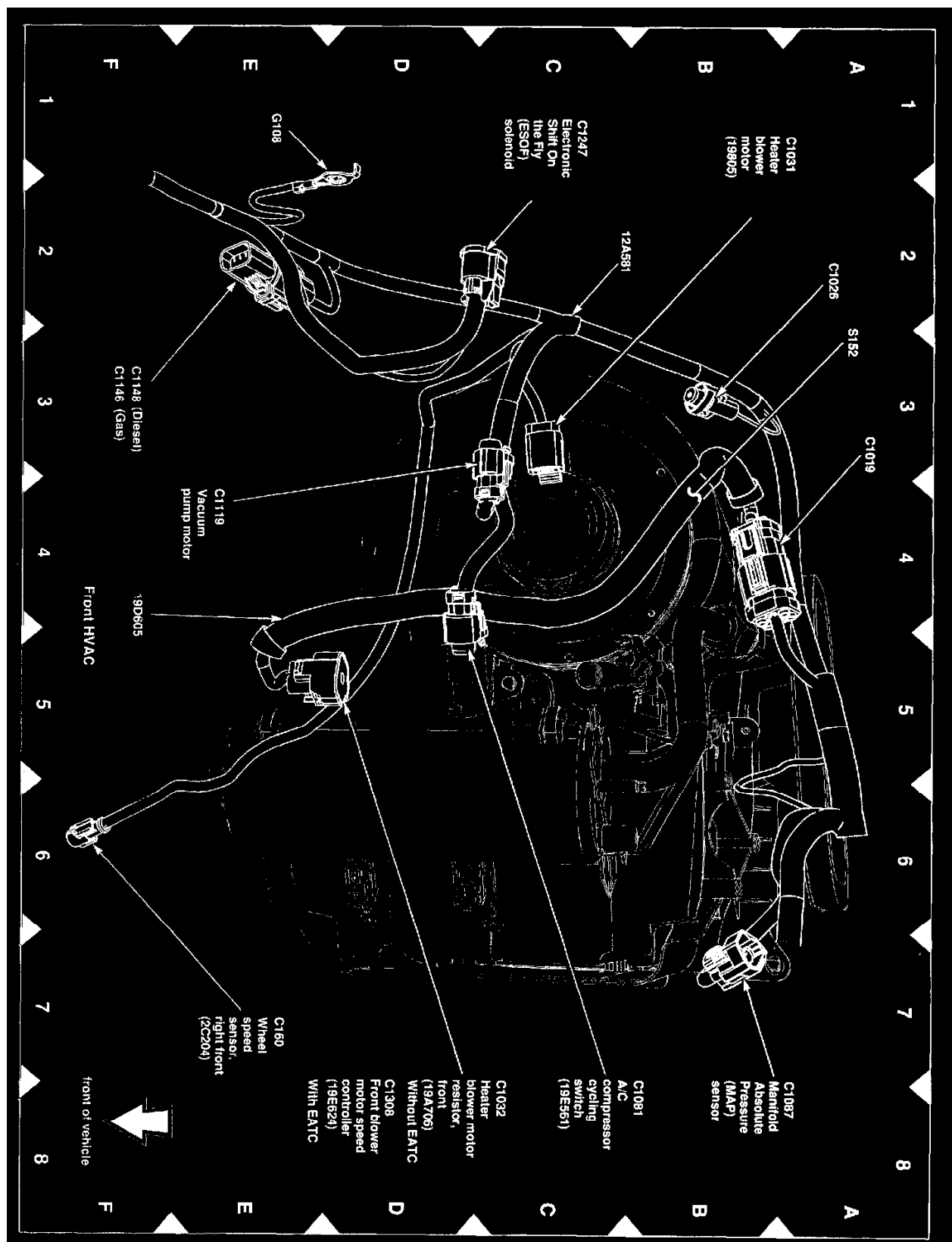


View 151-27 (Right Rear Door, Crew Cab)

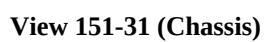




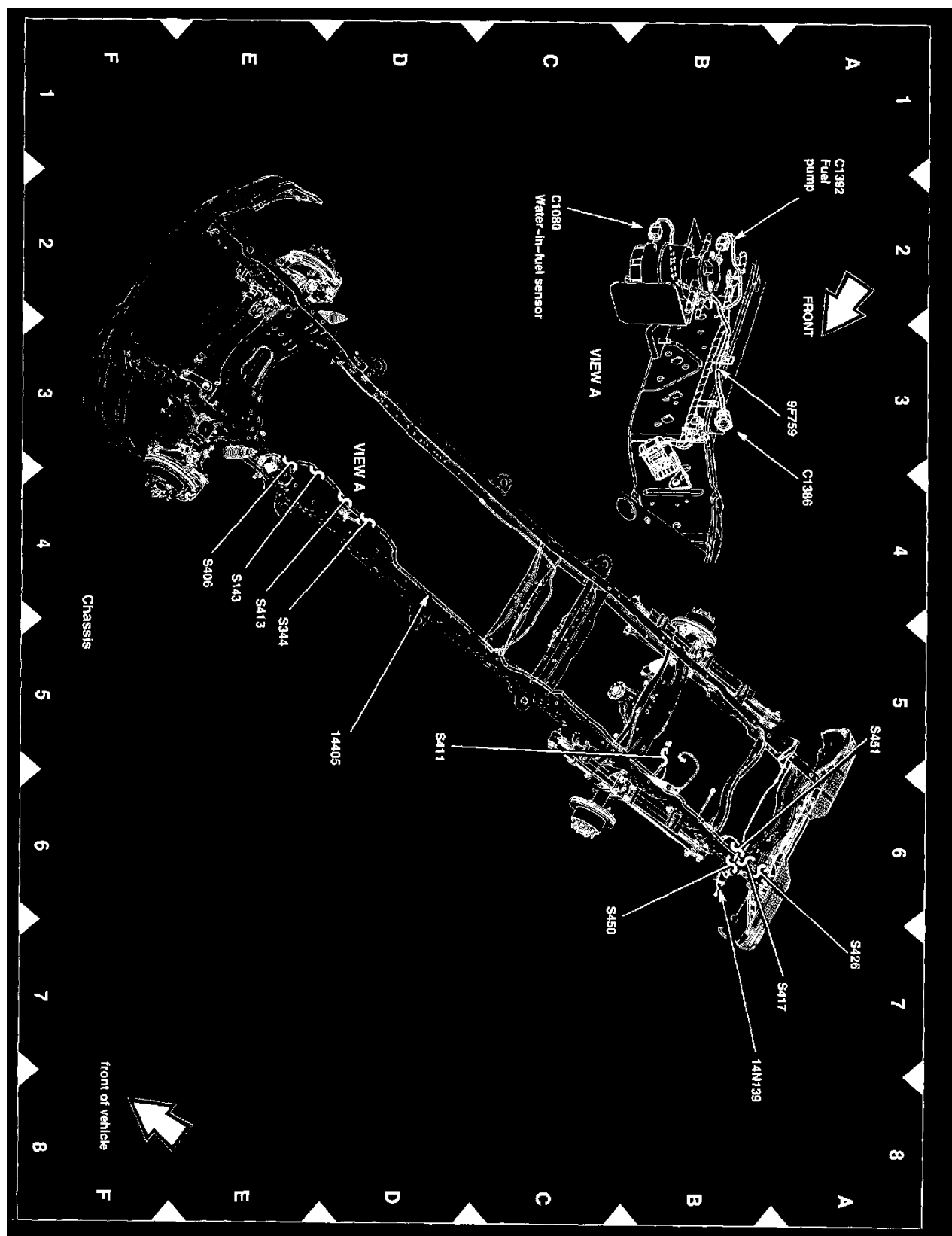
View 151-29 (Roof, RH Side, Rear)



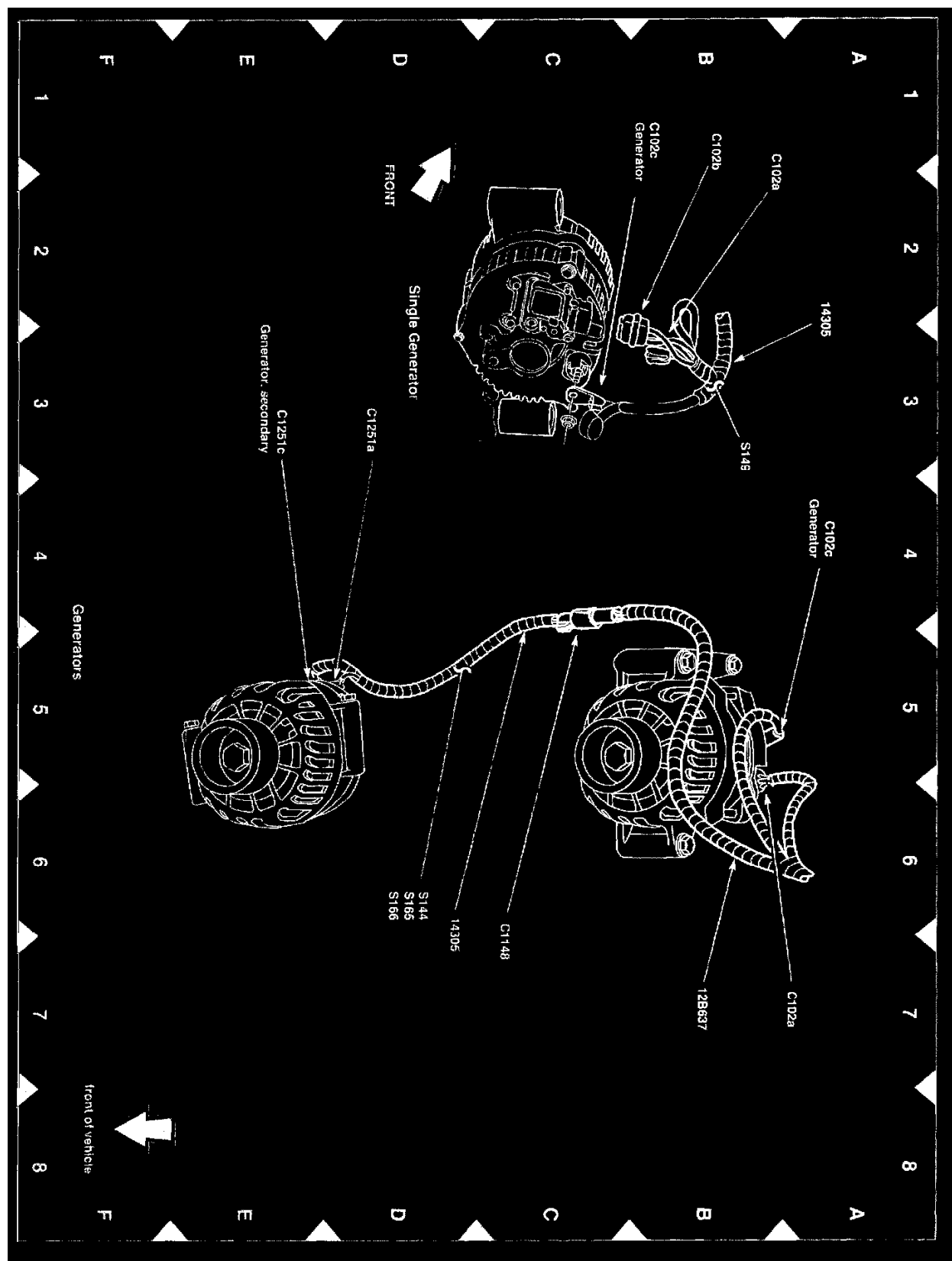
View 151-30 (Front HVAC)



View 151-31 (Chassis)



View 151-32 (Chassis)



View 151-33 (Generators)

Splice Location Index

PLEASE NOTE: If a link on the Splices Location Index to a View is not provided, that means that the Splices and/or View in question does NOT apply to the vehicle model selected.

Splices		View 151-*/coordinates	
Location			
S100 Wiring harness - Fog lamp jumper (15A211) near T/O to C1045	2 - F6	S113 Wiring harness - Engine control sensor (12A581) near T/O to G100 - diesel	4 - A5
S101 Wiring harness - Fog lamp jumper (15A211) near T/O to C1045	2 - E7	S114 Wiring harness - Engine control sensor (12A581) under battery junction box	4 - A5
S102 Wiring harness - Engine control sensor (12A581) under battery junction box	2 - B7	S115 Wiring harness - Engine control sensor (12A581) near T/O to C124	2 - A5
S103 Wiring harness - Engine control sensor (12A581) in T/O to battery junction box	2 - C8	S116 Wiring harness - Engine control sensor (12A581) near T/O to C124 - diesel	4 - A4
S103 Wiring harness - Engine control sensor (12A581) in T/O to battery junction box - diesel	4 - B7	S117 Wiring harness - Engine control sensor (12A581) in T/O to C1381a - diesel	4 - D7
S104 Wiring harness - Engine control sensor (12A581) in T/O to battery junction box - diesel	4 - A6	S118 Wiring harness - Engine control sensor (12A581) in T/O to C1381a - diesel	4 - D7
S105 Wiring harness - Engine control sensor (12A581) under battery junction box - diesel	4 - A6	S119 Wiring harness - Engine control sensor (12A581) in T/O to C1381a - diesel	4 - D7
S106 Wiring harness - Engine control sensor (12A581) in T/O to PCM	2 - B4	S120 Wiring harness - Engine control sensor (12A581) in T/O to battery junction box - diesel	4 - C7
S106 Wiring harness - Engine control sensor (12A581) in T/O to PCM - diesel	4 - D7	S121 Wiring harness - Main (14401) in T/O to C211	17 - F6
S107 Wiring harness - Engine control sensor (12A581) near T/O to G100	4 - A7	S122 Wiring harness - Engine control sensor (12A581) in T/O to C140	2 - C8
S108 Wiring harness - Engine control sensor (12A581) under battery junction box	4 - B5	S123 Wiring harness - Engine control sensor (12A581) near T/O to C1756 - Gasoline	2 - B4
S109 Wiring harness - Engine control sensor (12A581) in T/O to C135	2 - B8	S123 Wiring harness - Engine control sensor (12A581) near T/O C1298 - diesel	4 - D7
S110 Wiring harness - Engine control sensor (12A581) in T/O to C1381a	4 - D7	S124 Wiring harness - Engine control sensor (12A581) near T/O to G100	2 - B8
S111 Wiring harness - Engine control sensor (12A581) near grommet in dash panel	2 - A7	S124 Wiring harness - Engine control sensor (12A581) near T/O to G100 - diesel	4 - A5
S112 Wiring harness - Engine control sensor (12A581) in T/O to C1381a	4 - D7	S125 Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1273a - diesel	13 - D8
S113 Wiring harness - Engine control sensor (12A581) near T/O to G100	2 - A7	S126 Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1273a - diesel	13 - D8
		S127 Wiring harness - Back up lamp switch to rear lamp feed (15525) in T/O to C1385 - Diesel	14 - C7

Splices		View 151-*/coordinates	
	Location		
S127	Wiring harness - Back up lamp switch to rear lamp feed (15525) near T/O to C1107 14 - E4	S140	Wiring harness - Engine control sensor (12A581) in T/O to C135 17 - F6
S127	Wiring harness - Back up lamp switch to rear lamp feed (15525) near T/O to C169 - manual transmission 14 - D2	S141	Wiring harness - Body main (14A005) near T/O to G300 28 - F3
S128	Wiring harness - Back-up lamp switch to rear lamp feed (15525) near T/O to C1107 14 - E4	S142	Wiring harness - Engine control sensor (12A581) in T/O to C135 4 - C7
S128	Wiring harness - Back up lamp switch to rear lamp feed (15525) in T/O to C1385 - Diesel 14 - C7	S143	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C128 - 5.4L 9 - C2
S129	Wiring harness - Back-up lamp switch to rear lamp feed (15525) in T/O to C1385 14 - D7	S144	Wiring harness - Alternator rectifier system (14305) near T/O to C1251a 33 - D6
S130	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1073 . . 10 - A7	S145	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C175a . . . 9 - B6
S131	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1073 . . 10 - A7	S146	Wiring harness - Engine control sensor (12A581) in T/O to C135 2 - A5
S132	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C175a . . . 9 - B6	S147	Wiring harness - Engine control sensor and fuel charge near T/O to C1273a - Diesel . . 13 - D8
S133	Wiring harness - Engine control sensor (12B637) under battery junction box 2 - B7	S147	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1073 . . 10 - A7
S134	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C118 7 - B7	S148	Wiring harness - Main (14401) in T/O to C1445 17 - F6
S135	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C183 9 - D7	S149	Wiring harness - Engine control sensor and fuel charge near T/O to C1273a - Diesel . . 13 - D7
S136	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C113 9 - D7	S149	Wiring harness - Alternator rectifier system (14305) Cable assembly, battery positive . . 33 - B3
S137	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C188 . . . 10 - A7	S152	Wiring harness - A/C extension (19D605) in T/O to C1032 30 - A3
S138	Wiring harness - Back up lamp switch to rear lamp feed (15525) near T/O to C1107 14 - C6	S160	Wiring harness - Engine control sensor (12A581) under battery junction box 4 - A7
S138	Wiring harness - Back up lamp switch to rear lamp feed (15525) near T/O to C350a - with manual transmission, or ESOF 14 - D1	S162	Wiring harness - Engine control sensor (12A581) near T/O to G100 2 - A7
S139	Wiring harness - Engine control sensor (12A581) near T/O to G100 4 - A6	S162	Wiring harness - Engine control sensor (12A581) near T/O to G100 - diesel 4 - A5
		S163	Wiring harness - Back up lamp switch to rear lamp feed (15525) in T/O to auxiliary relay box 3 2 - A6

Splices		View 151 -*/coordinates	
	Location		
S164	Wiring harness - Engine control sensor (12A581) in T/O to C140 2 - C8	S201	Wiring harness - Main (14401) near T/O to instrument cluster 17 - B8
S165	Wiring harness - Alternator rectifier system (14305) near to C1249a 33 - D6	S202	Wiring harness - Main (14401) in T/O to C2041 17 - F4
S166	Wiring harness - Alternator rectifier system (14305) near T/O to C1249a 33 - D6	S203	Wiring harness - Main (14401) near T/O to instrument cluster 17 - B8
S170	Wiring harness - Engine control sensor (12A581) under battery junction box 4 - B5	S204	Wiring harness - Main (14401) near T/O to C2040 17 - A2
S171	Wiring harness - Engine control sensor (12A581) in T/O to battery junction box 2 - C8	S205	Wiring harness - Main (14401) near T/O to C278 17 - E8
S171	Wiring harness - Engine control sensor (12A581) in T/O to battery junction box - diesel 4 - C7	S206	Wiring harness - Main (14401) near T/O to C218b 17 - A5
S174	Wiring harness - Engine control sensor (12A581) near T/O to G100 4 - A6	S207	Wiring harness - Main (14401) near T/O to C250 17 - C8
S180	Wiring harness - Engine control sensor (12A581) near T/O to G108 2 - D2	S208	Wiring harness - Main (14401) near T/O to instrument cluster 17 - B8
S180	Wiring harness - Engine control sensor (12A581) near T/O to G108 4 - D2	S209	Wiring harness - Body main (14A005) in T/O to C270j 28 - E2
S182	Wiring harness - Engine control sensor (12A581) near T/O to G100 4 - A6	S210	Wiring harness - Main (14401) near T/O to C250 17 - C8
S190	Wiring harness - Engine control sensor and fuel charge near T/O to C1064 12 - E3	S211	Wiring harness - Main (14401) near T/O to C264 17 - C1
S192	Wiring harness - Engine control sensor and fuel charge near T/O to C1064 12 - E3	S213	Wiring harness - Main (14401) in T/O to Data Link Connector (DLC) (14489) 17 - E5
S193	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to 1271 12 - F5	S214	Wiring harness - Main (14401) near T/O to C278 17 - C8
S194	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1236 12 - A6	S215	Wiring harness - Main (14401) near T/O to C205a 17 - C8
S195	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1236 12 - A6	S216	Wiring harness - Main (14401) near T/O to C218b 17 - A4
S196	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1236 12 - A6	S217	Wiring harness - Main (14401) near T/O to instrument cluster 17 - A5
S197	Wiring harness - Engine control sensor and fuel charge (12B637) near T/O to C1381c 13 - A2	S218	Wiring harness - Main (14401) near T/O to instrument cluster 17 - C8
		S219	Wiring harness - Main (14401) near T/O to C286 17 - A4
		S220	Wiring harness - Main (14401) in T/O to Data Link Connector (DLC) (14489) 17 - E5
		S221	Wiring harness - Main (14401) near T/O to C2186 17 - F6

Splices	Location	View 151-*/coordinates		
S222	Wiring harness - Main (14401) near T/O to C202a	17 - B8	S252	Wiring harness - Main (14401) near T/O to C218b
S223	Wiring harness - Main (14401) near T/O to C218b	17 - F6	S253	Wiring harness - Main (14401) in T/O to instrument cluster
S225	Wiring harness - Main (14401) near T/O to instrument cluster	17 - A5	S254	Wiring harness - Main (14401) in T/O to instrument cluster
S229	Wiring harness - Main (14401) near T/O to instrument cluster	17 - B8	S257	Wiring harness - Main (14401) near T/O to C289
S230	Wiring harness - Main (14401) near T/O to C2041	17 - A4	S258	Wiring harness - Main (14401) near T/O to C278
S232	Wiring harness - Main (14401) near T/O to auxiliary relay box 1	17 - D4	S259	Wiring harness - Main (14401) near T/O to C278
S233	Wiring harness - Body main (14A005) near grommet, right front door	19 - E3	S260	Wiring harness - Main (14401) near T/O to C278
S234	Wiring harness - Main (14401) near T/O to C278	17 - E8	S265	Wiring harness - Body main (14A005) near T/O to G300
S235	Wiring harness - Main (14401) near T/O to auxiliary relay box 1	17 - A5	S268	Wiring harness - Main (14401) in T/O to instrument cluster
S236	Wiring harness - Body main (14A005) near grommet, right front door	17 - B6	S271	Wiring harness - Main (14401) near T/O to instrument cluster
S240	Wiring harness - Main (14401) near T/O to C278	17 - C8	S272	Wiring harness - Main (14401) near T/O to C205a
S242	Wiring harness - Main (14401) in T/O to Data Link Connector (DLC) (14489)	17 - E5	S277	Wiring harness - Body main (14A005) near G300
S244	Wiring harness - Main (14401) near T/O to C278	17 - E8	S277	Wiring harness - Body main (14A005) near G300
S247	Wiring harness - Main (14401) near T/O to C256	17 - A3	S278	Wiring harness - Body main (14A005) near T/O to C291
S248	Wiring harness - Main (14401) in T/O to C228a, C228b	17 - B4	S279	Wiring harness - Body main (14A005) near T/O to G300
S249	Wiring harness - Main (14401) in T/O to C270d	17 - D4	S287	Wiring harness - Main (14401) near T/O to instrument cluster
S250	Wiring harness - Back up lamp switch to rear lamp feed (15525) near T/O to auxiliary relay box 3	17 - A3	S289	Wiring harness - Body main (14A005) near T/O to G300
			S290	Wiring harness - Main (14401) near T/O to C290a
			S297	Wiring harness - Body main (14A005) near T/O to G300
			S298	Wiring harness - Main (14401) in T/O to instrument cluster

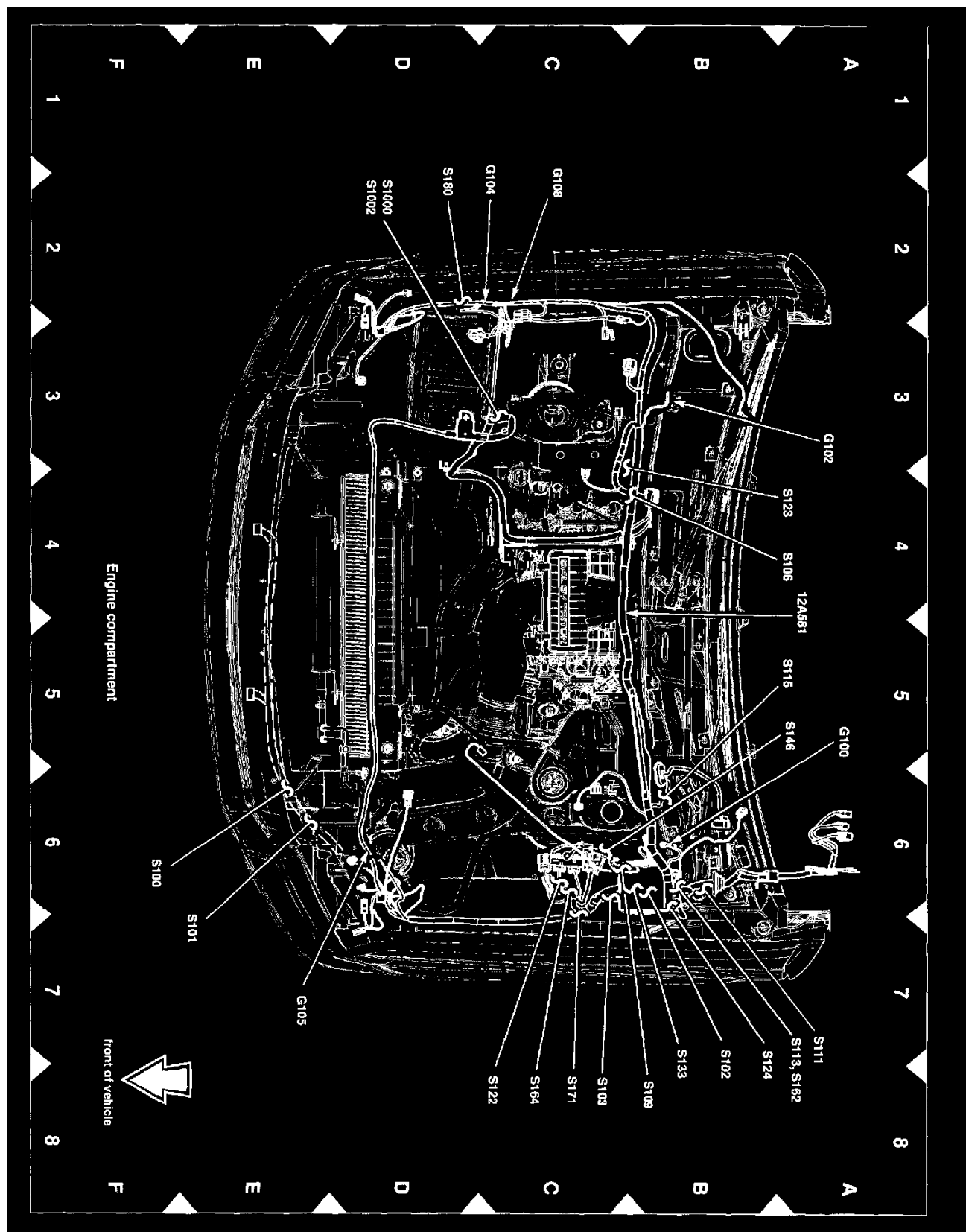
S222-S298

Splices		View 151-*/coordinates			
Location					
S299	Wiring harness - Main (14401) in T/O to C2041	17 - E4	S329	Wiring harness - Body main (14A005) near T/O to G300	28 - F3
S300	Wiring harness - Body main (14A005) near T/O to G900	17 - B7	S332	Wiring harness - Seat regulator (14B084) near T/O to C357	20 - D7
S301	Wiring harness - Passenger, driver seat jumper (14B084) near T/O to C357	20 - C3	S335	Wiring harness - Seat regulator (14B084) near T/O to C334	21 - F4
S304	Wiring harness - Body main (14A005) near T/O to C340 - with heated seats	19 - E2	S344	Wiring harness - Tail lamps (14405) near T/O to C494	31 - D5
S304	Wiring harness - Body main (14A005) near T/O to C802	19 - E2	S355	Wiring harness - Tail lamps (14405) near T/O to C494	32 - E4
S305	Wiring harness - Body main (14A005) near T/O to C3007	28 - F5	S400	Wiring harness - Passenger, driver seat jumper (14B084) near T/O to C334	21 - E6
S305	Wiring harness - Body main (14A005) near T/O to C3049 - with heated seats	28 - F5	S401	Wiring harness - Tail lamps (14405) near T/O to C3095	31 - D5
S306	Wiring harness - Body main (14A005) near T/O to C3007	28 - F5	S402	Wiring harness - Tail lamps (14405) near T/O to G400	31 - A7
S306	Wiring harness - Body main (14A005) near T/O to C3049 - with heated seats	28 - F5	S402	Wiring harness - Rear lamp connector (13A409) near T/O to C4002 - F-450	31 - D5
S309	Wiring harness - Running board lamps (19F504) near T/O to C3084	28 - E4	S404	Wiring harness - Rear lamp connector (13A409) near T/O to C438	31 - D5
S311	Wiring harness - Running board lamps (19F504) near T/O to C3085	28 - E6	S407	Wiring harness - Rear lamp connector (13A409) near T/O to C423	31 - B8
S312	Wiring harness - Running board lamps (19F504) near T/O to C3086	28 - D7	S408	Wiring harness - Rear lamp connector (13A409) near T/O to C411	31 - D5
S313	Wiring harness - Running board lamps (19F504) near T/O to C3087	29 - D7	S409	Wiring harness - Rear lamp connector (13A409) near T/O to C410	31 - D5
S318	Wiring harness - Body main (14A005) near T/O to G300	28 - F3	S410	Wiring harness - Rear lamp connector (13A409) near T/O to C411	31 - D5
S327	Wiring harness - Seat regulator (14B084) near T/O to C320 - with heated seats	20 - E6	S411	Wiring harness - Rear lamp connector (13A409) near T/O to C410	31 - D5
S327	Wiring harness - Seat regulator (14B084) near T/O to C357	20 - E6	S412	Wiring harness - Tail lamps (14405) near T/O to C3239	32 - D5
S328	Wiring harness - Body main (14A005) near T/O to C3007	28 - F5	S413	Wiring harness - Tail lamps (14405) near T/O to C140	31 - D5
S328	Wiring harness - Body main (14A005) near T/O to C3049 - with heated seats	28 - F5	S413	Wiring harness - Tail lamps (14405) near T/O to C140	32 - E4

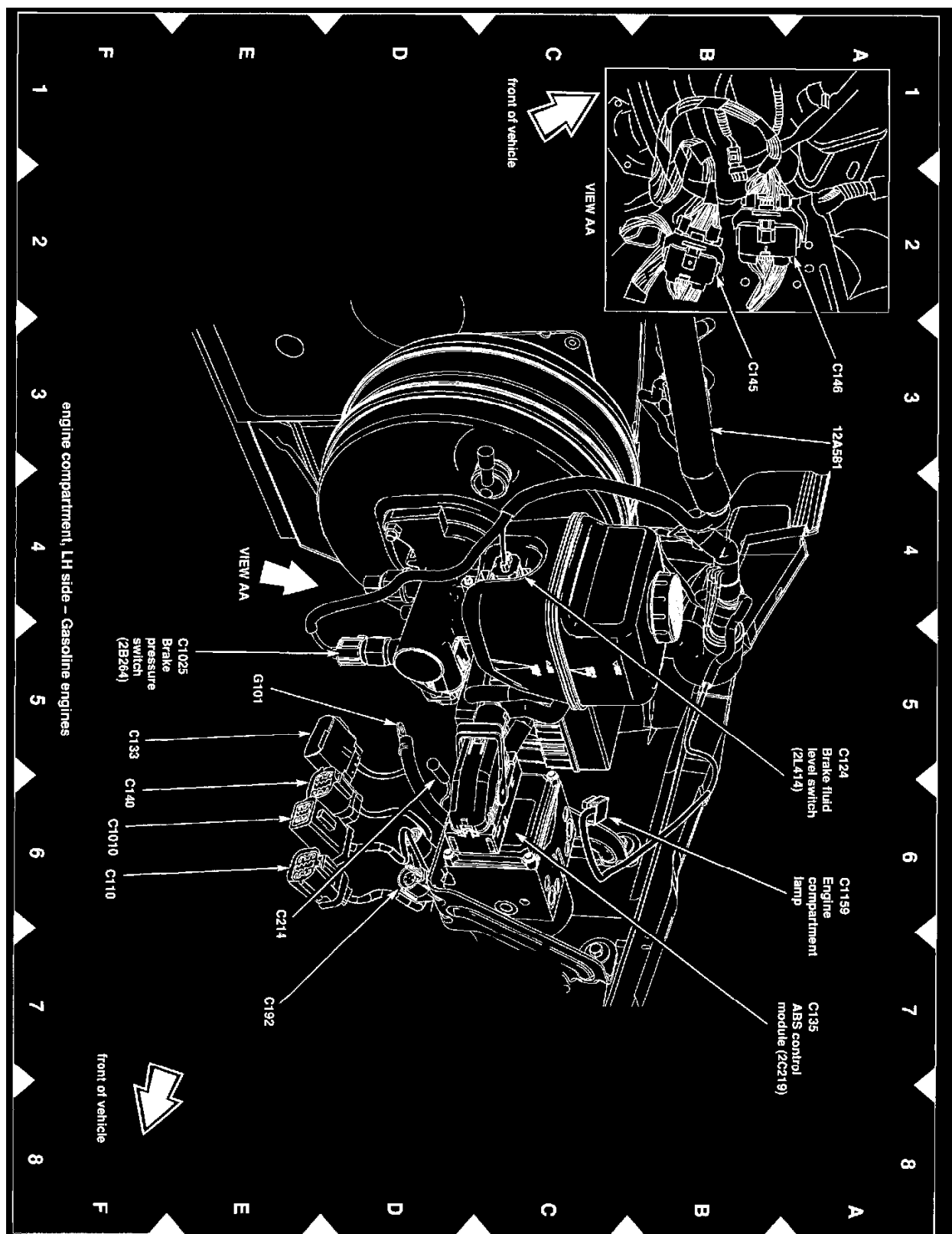
Splices		View 151-*/coordinates	
	Location		
S417	Wiring harness - Rear lamp connector (13A409) near T/O to C408 - with box, with dual rear wheels	S904	Wiring harness - Marker lamps (15A404) near T/O to C973 - with roof marker lamps
S417	Wiring harness - Rear lamp connector (13A409) near T/O to C465 - with box, without dual rear wheels	S904	Wiring harness - Vanity mirror lamp (17C712) near T/O to C974
S417	Wiring harness - Tail lamps (14405) near T/O to C423 - without box	S905	Wiring harness - Body main (14A005) near T/O to C904 - super cab
S417	Wiring harness - Rear lamp connector (13A409) near T/O to C4002 - F-450	S905	Wiring harness - Body main (14A005) near T/O to C932
S418	Wiring harness - Rear license lamps (13412) in T/O to C462	S906	Wiring harness - Body main (14A005) near T/O to C931
S426	Wiring harness - Rear lamp connector (13A409) near T/O to C408	S921	Wiring harness - Overhead console (17C712) near T/O to C972
S426	Wiring harness - Tail lamps (14405) near T/O to C423 - chassis cab	S937	Wiring harness - Vanity mirror lamp (17C712) near T/O to C911
S430	Wiring harness - Trailer lamp feed (14405) near T/O to C4099	S1000	Wiring harness - Engine control sensor (12A581) near C1100a - diesel
S431	Wiring harness - Trailer lamp feed (14405) near T/O to C4099	S1000	Wiring harness - Engine control sensor (12A581) near C1100a
S432	Wiring harness - Trailer lamp feed (14405) near T/O to C4099	S1002	Wiring harness - Engine control sensor (12A581) near C1100a - diesel
S433	Wiring harness - Trailer lamp feed (14405) near T/O to C4099	S1002	Wiring harness - Engine control sensor (12A581) near C1100a
S450	Wiring harness - Backup alarm jumper (14N139) near T/O to C4001	S2300	Wiring harness - Relay feed (14A303) near upfitter relay box
S451	Wiring harness - Backup alarm jumper (14N139) near T/O to C4001		
S463	Wiring harness - Rear license lamps (13412) in T/O to C462		
S501	Wiring harness - Body main (14A005) near T/O to C505		
S639	Wiring harness - Body main (14A005) near T/O to C605		
S901	Wiring harness - Overhead console (17C712) near T/O to C973		

S417-S2300

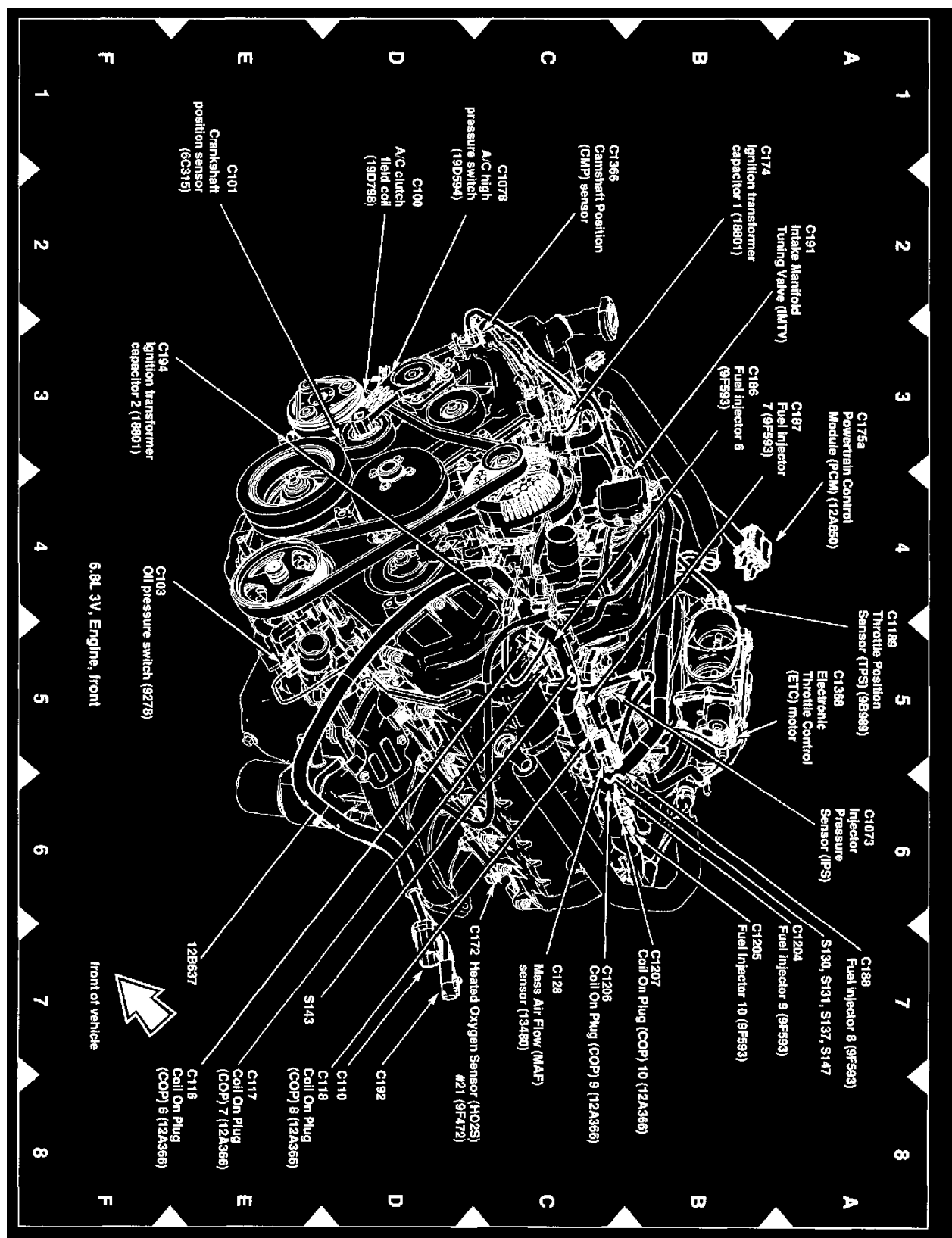




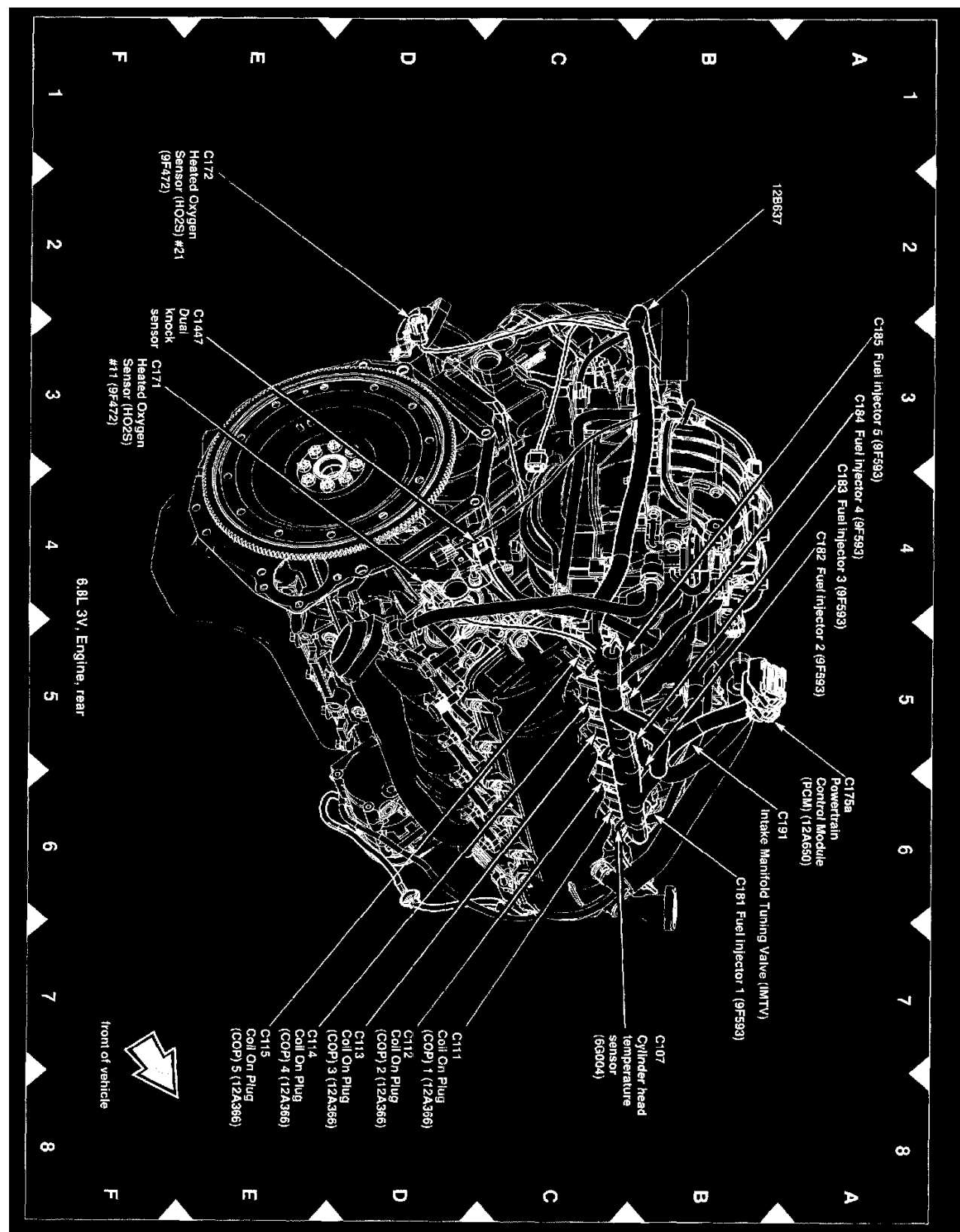
View 151-2 (Engine Compartment)



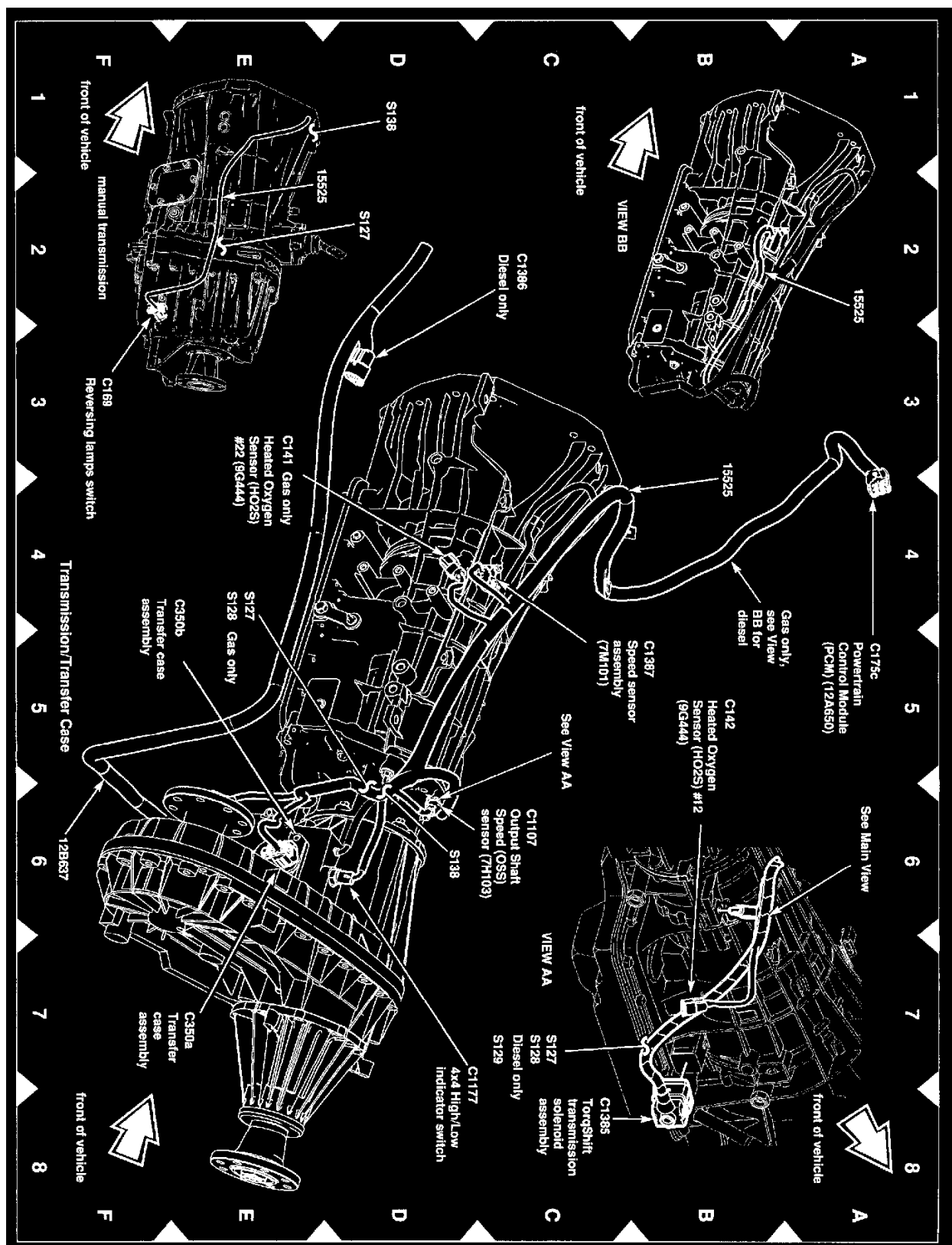
View 151-6 (Engine Compartment, LH Side)



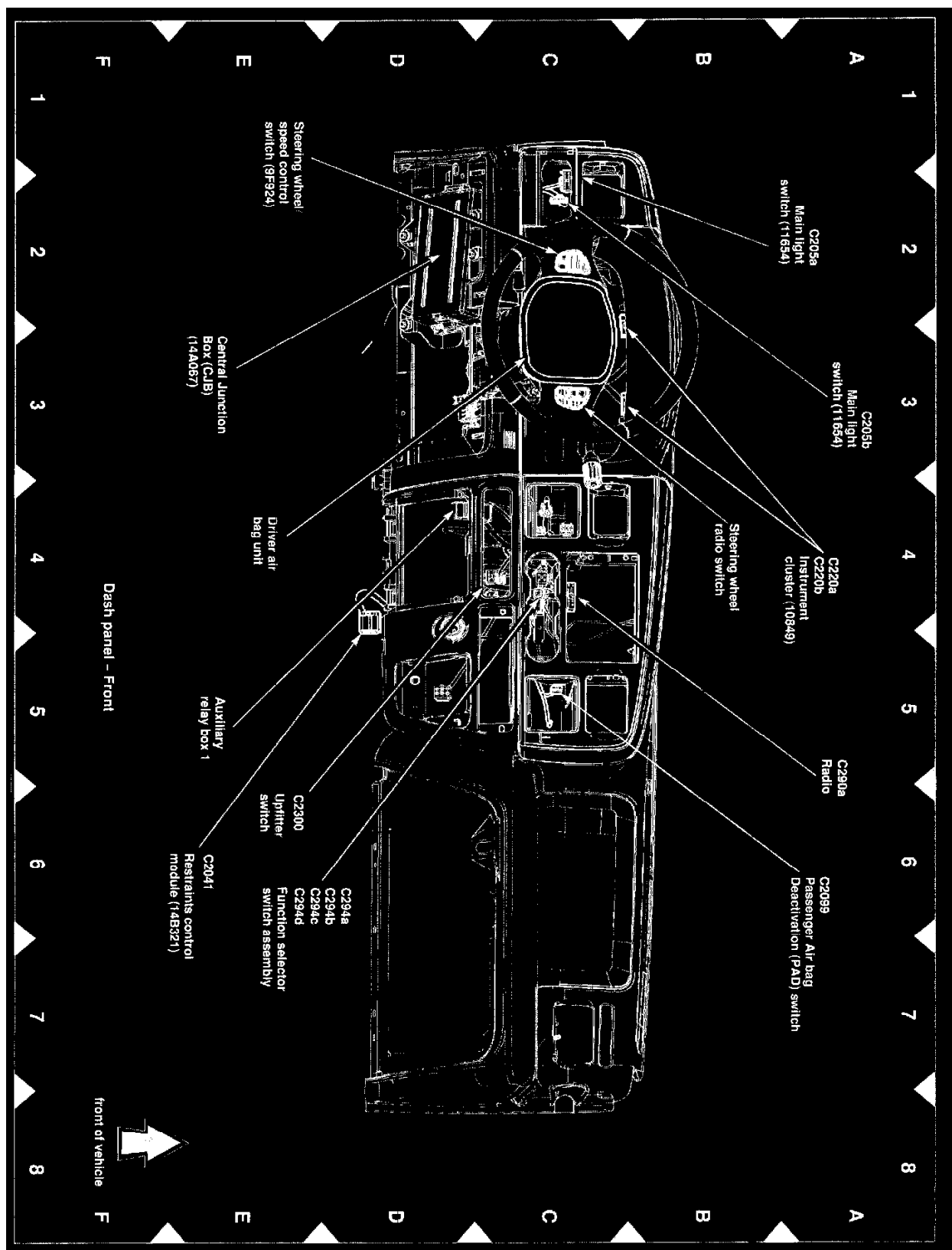
View 151-10 (Engine, Front)



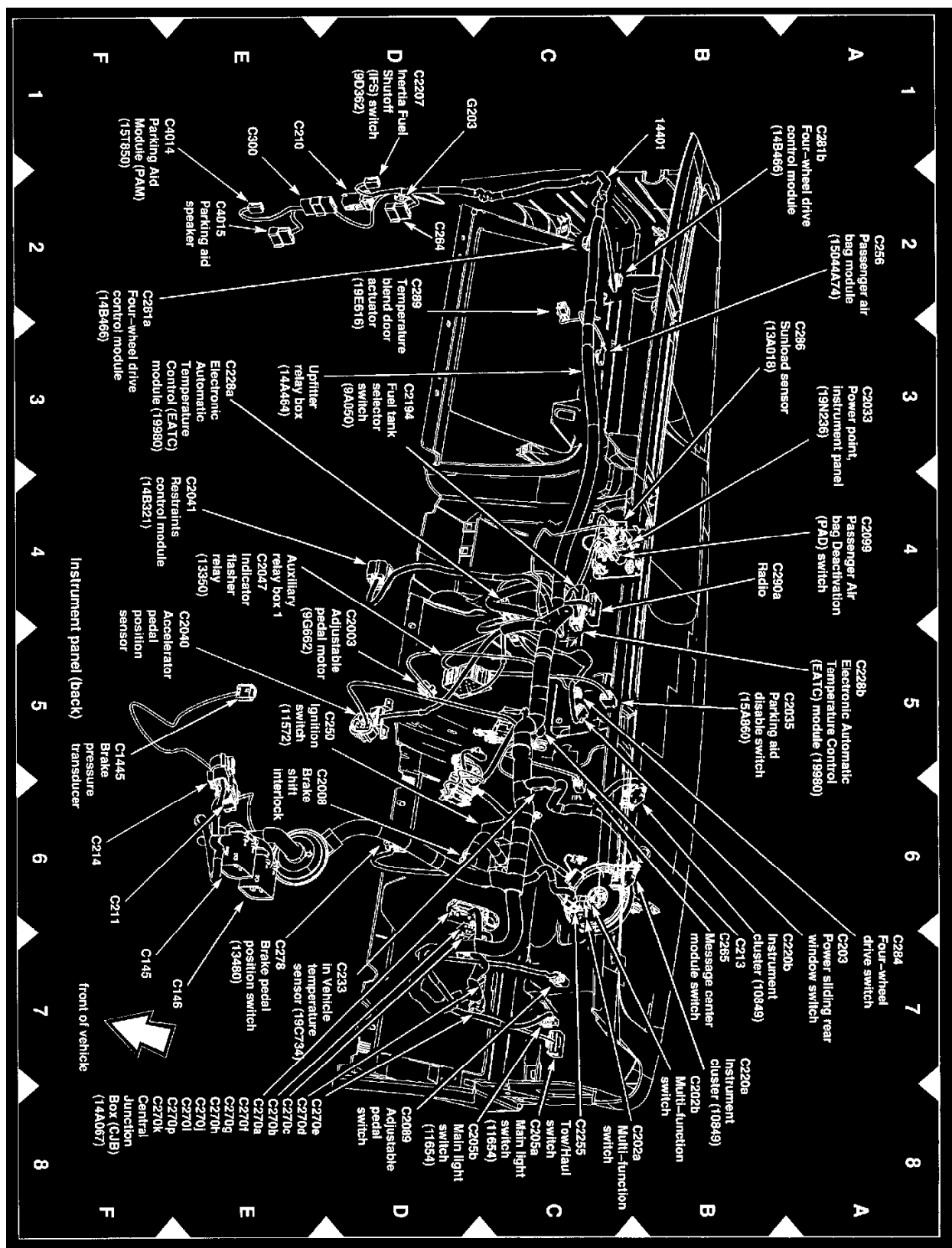
View 151-11 (Engine, Rear)



View 151-14 (Transmission/Transfer Case)



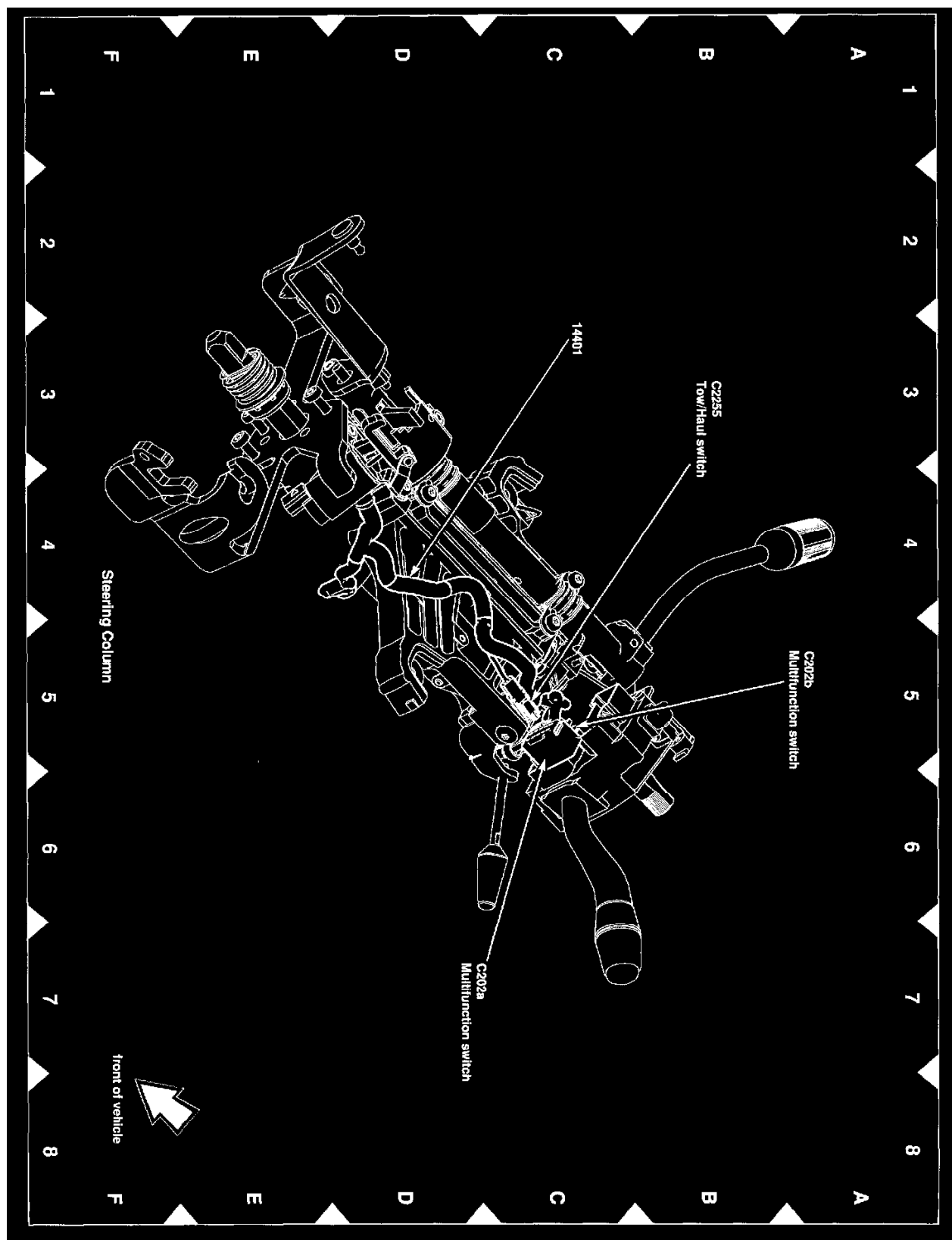
View 151-15 (Dash Panel - Front)



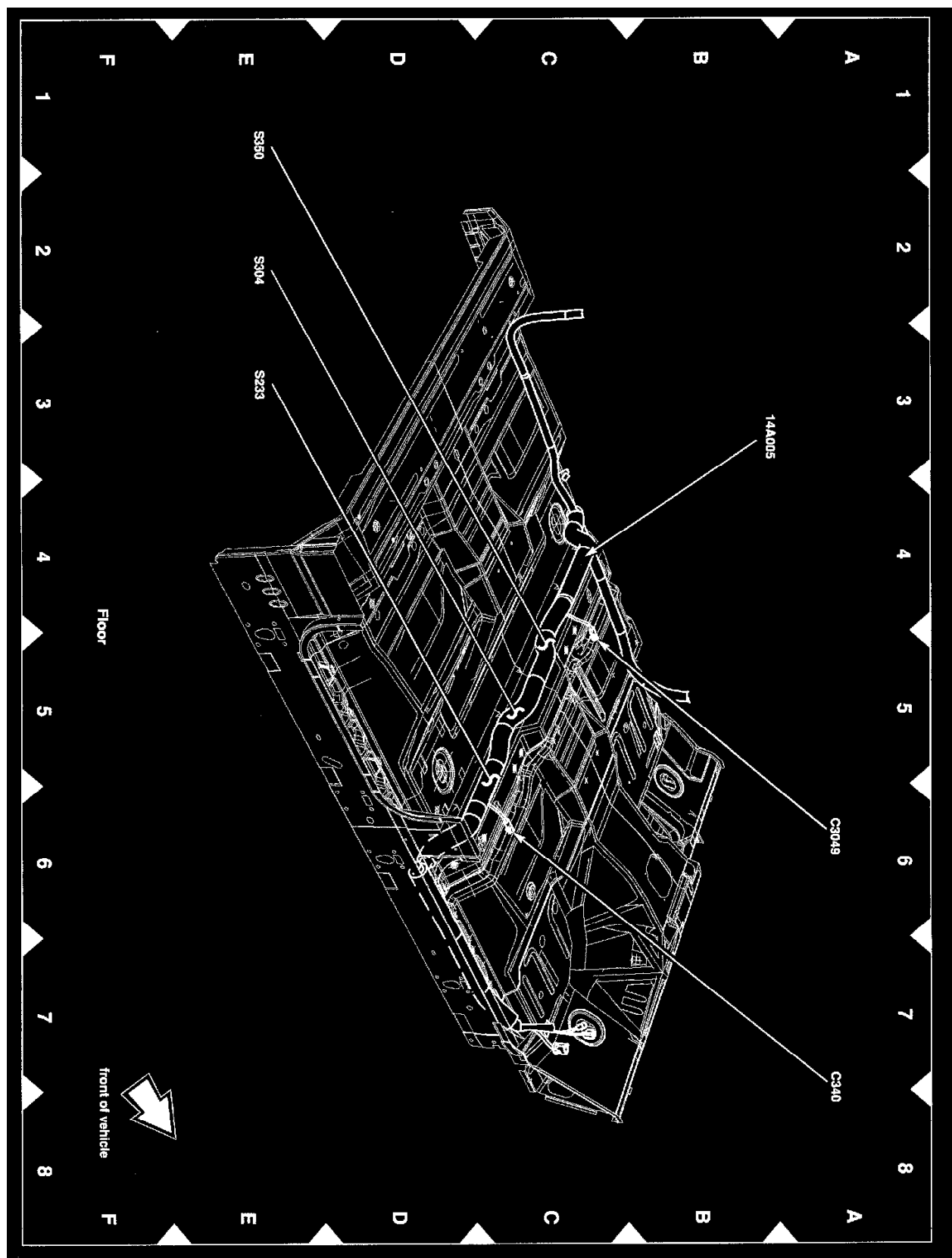
View 151-16 (Instrument Panel (Back))



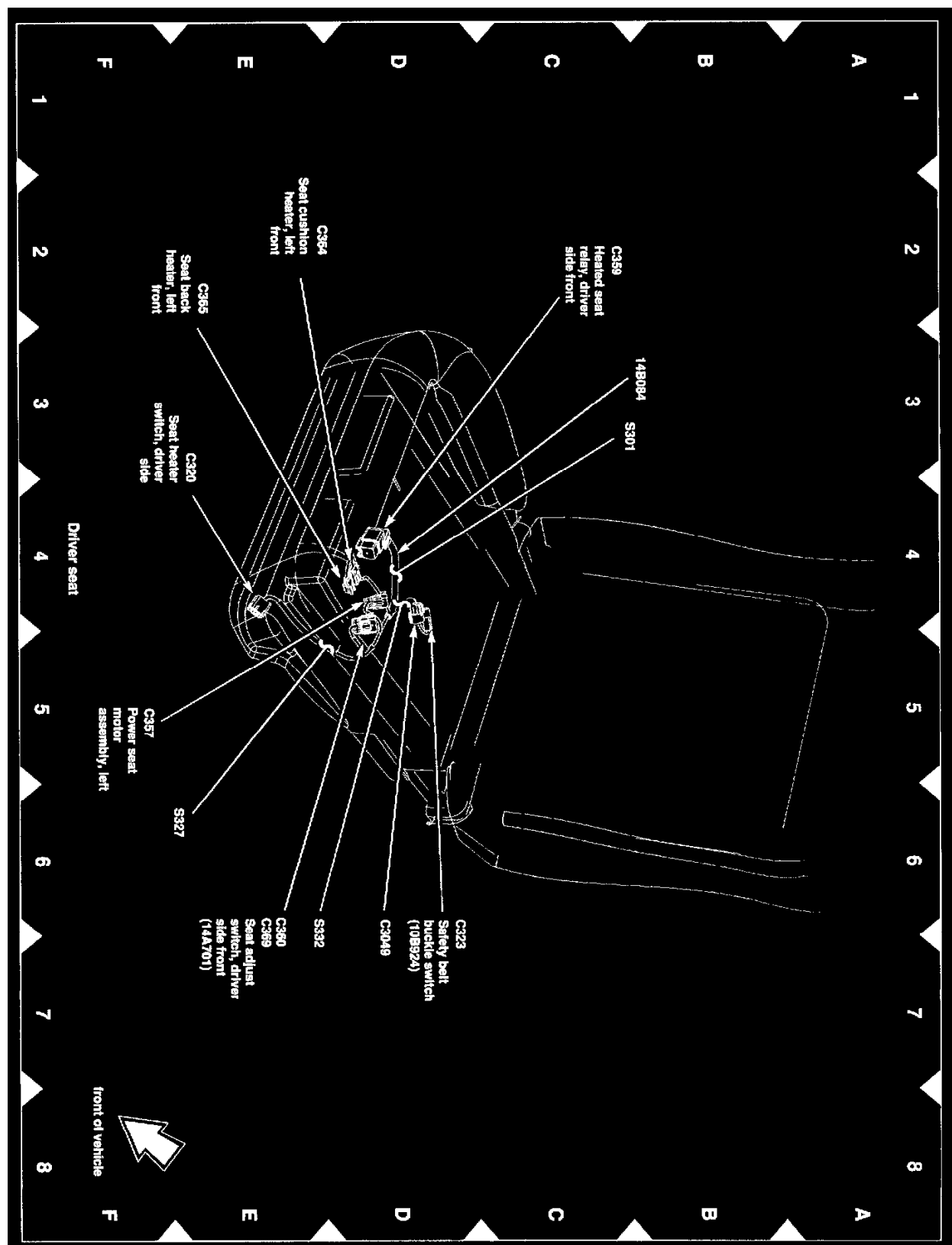
View 151-17 (Instrument Panel (Back))



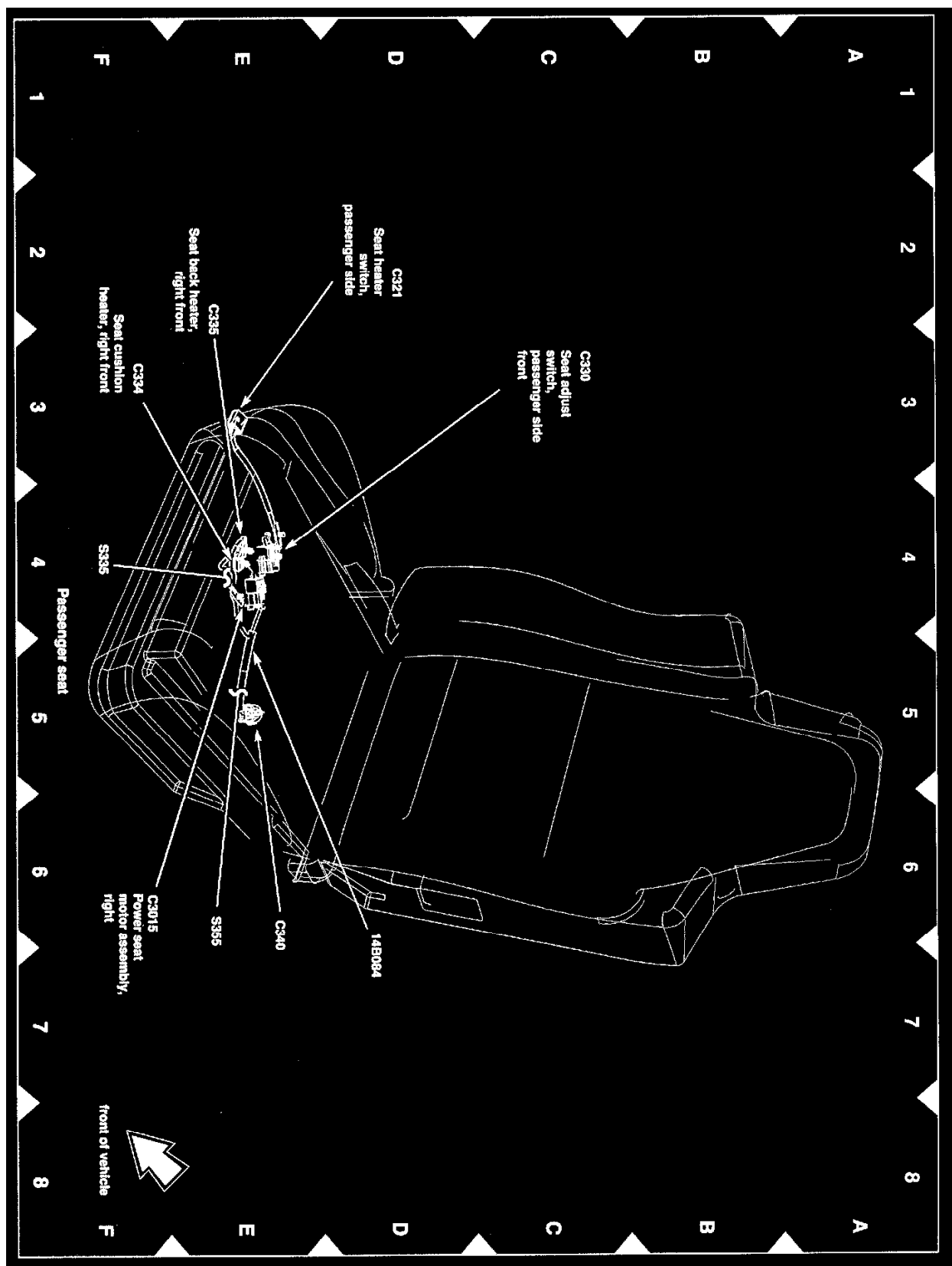
View 151-18 (Steering Column)



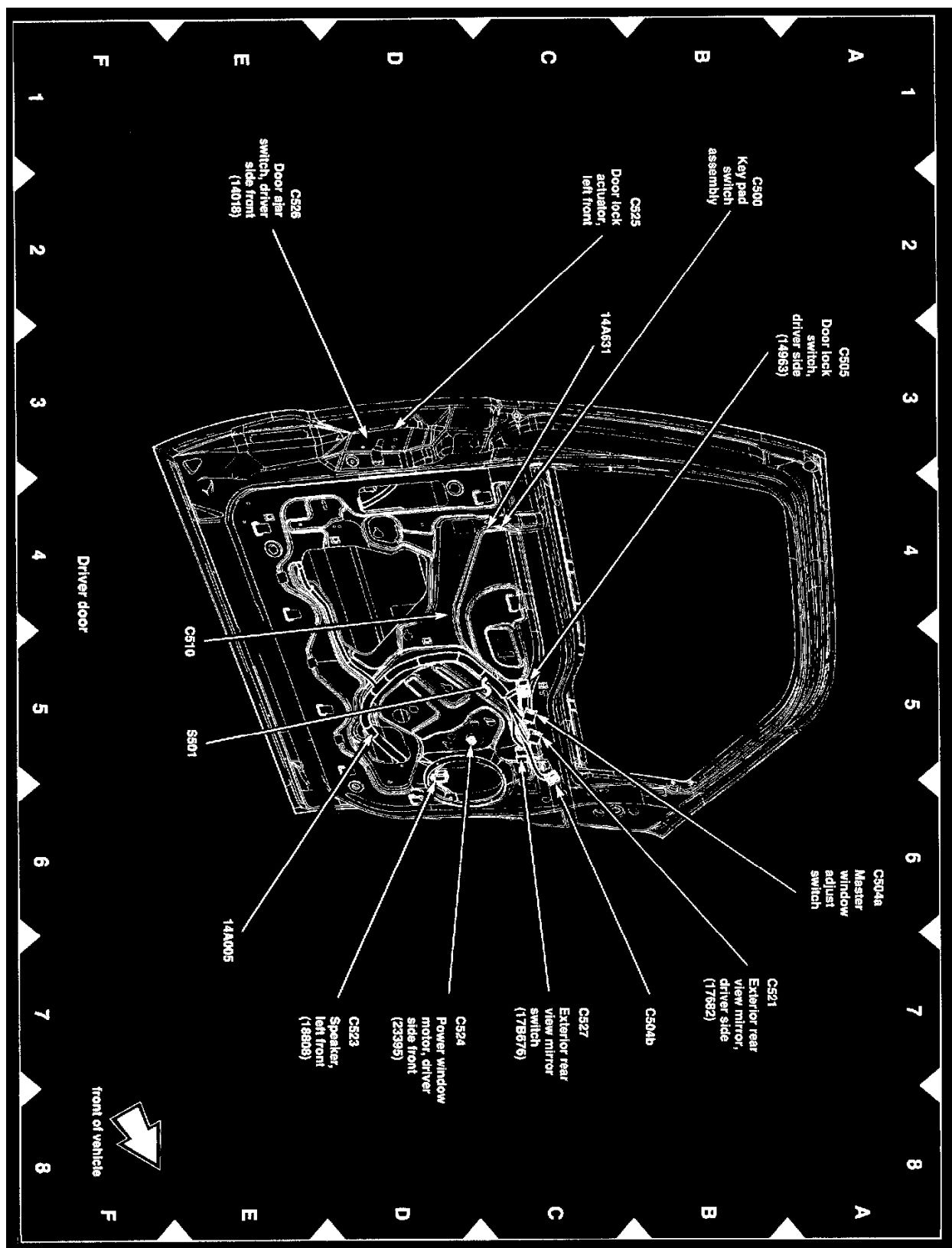
View 151-19 (Floor)



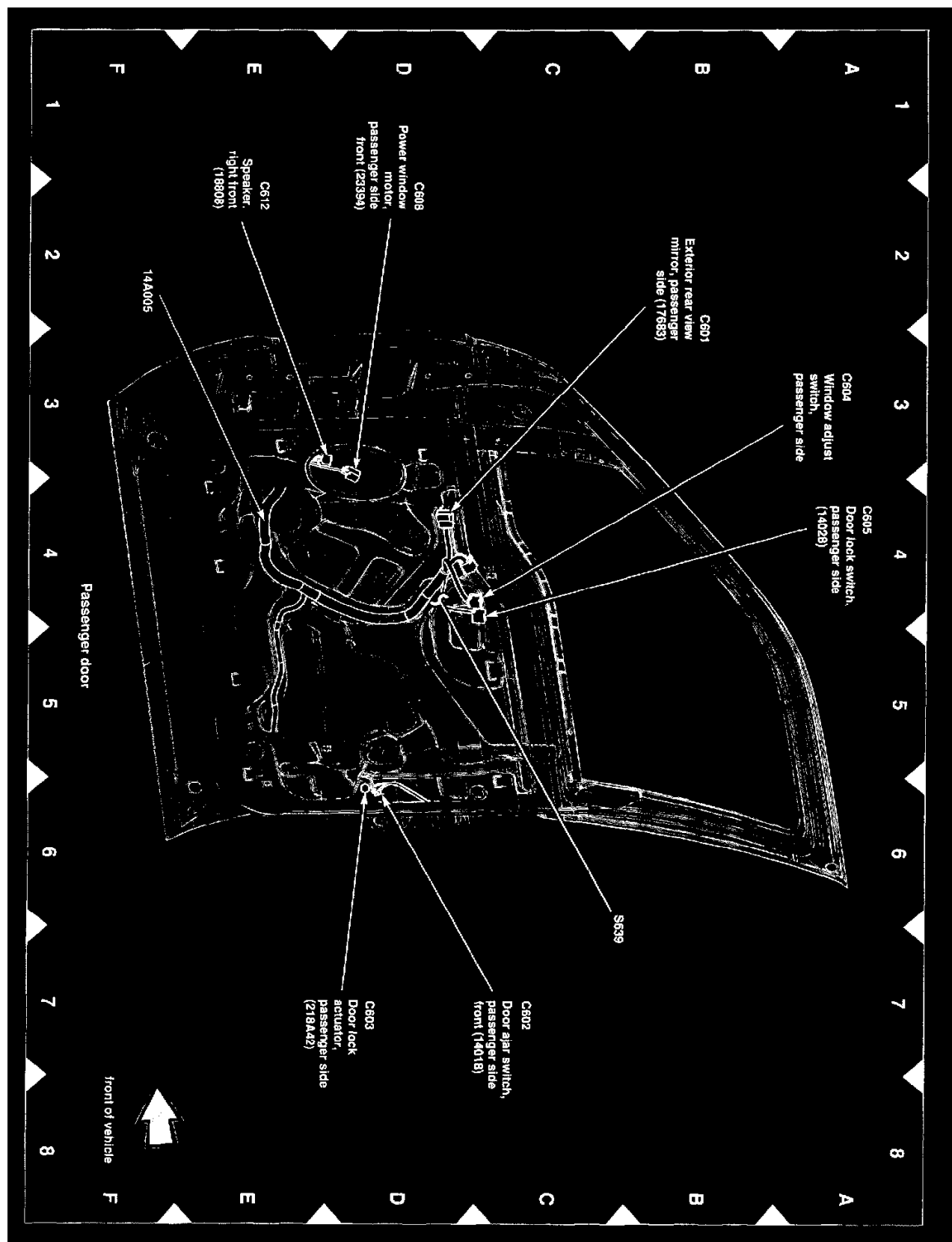
View 151-20 (Driver Seat)



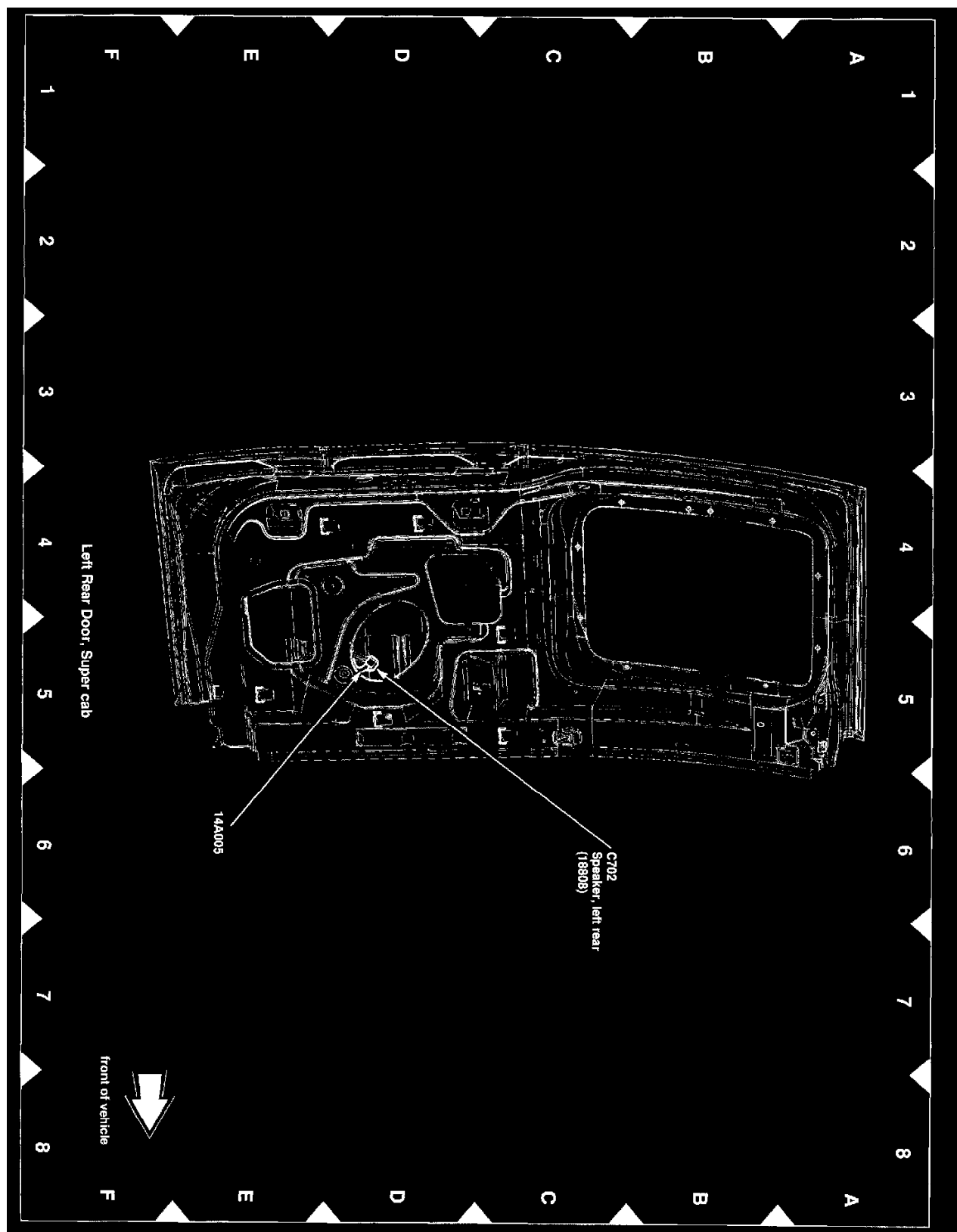
View 151-21 (Passenger Seat)



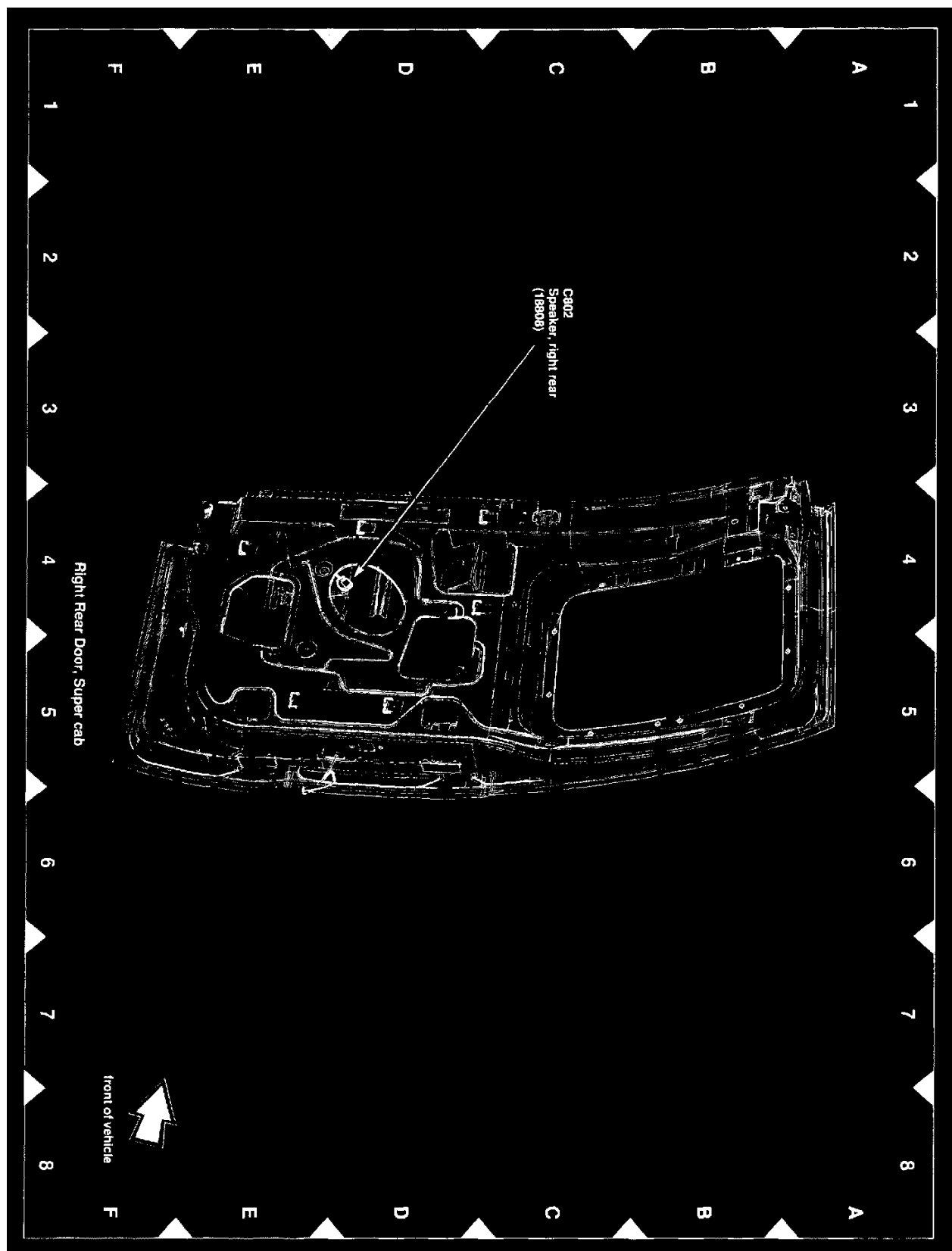
View 151-22 (Driver Door)



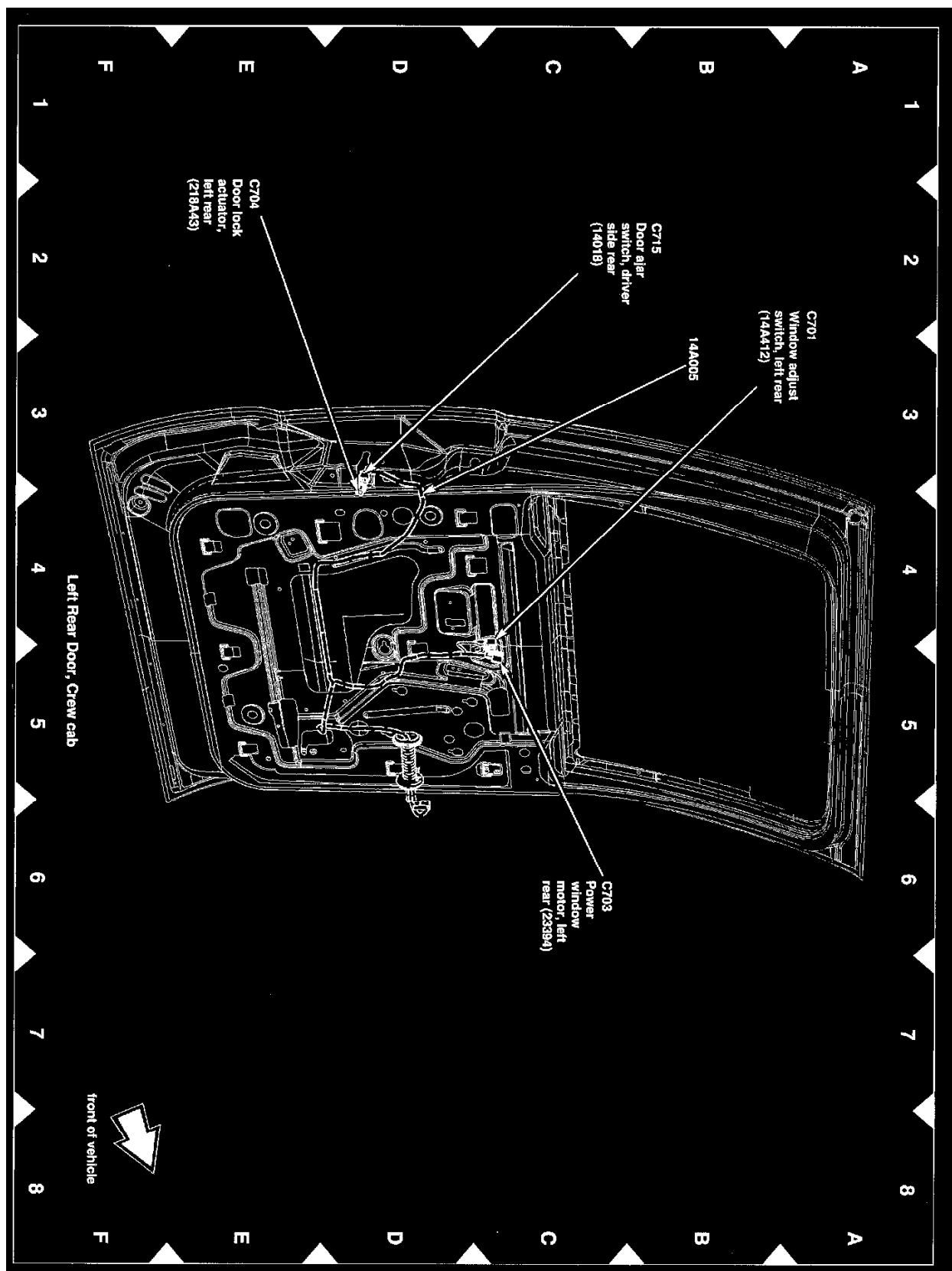
View 151-23 (Passenger Door)



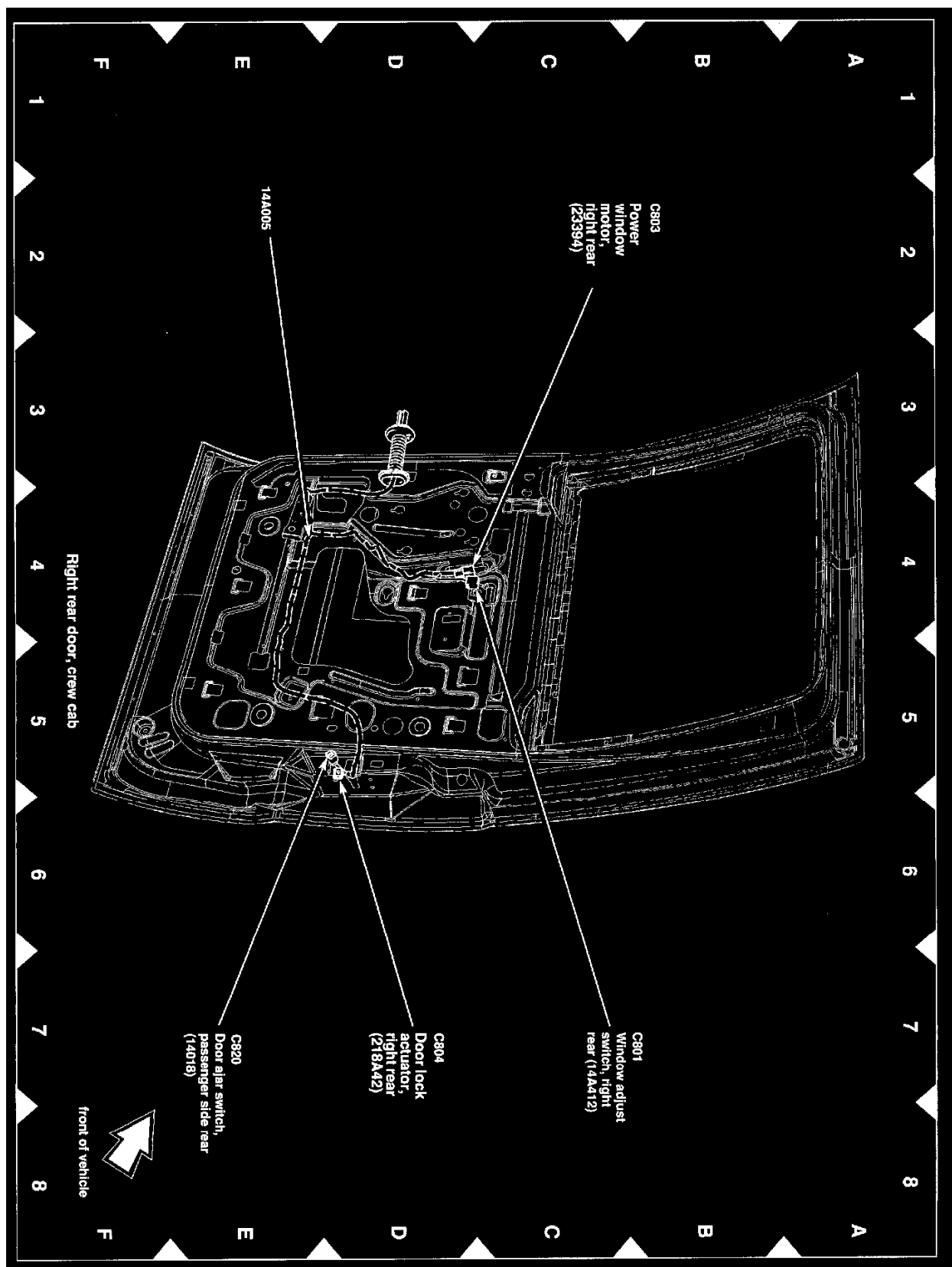
View 151-24 (Left Rear Door, Super Cab)



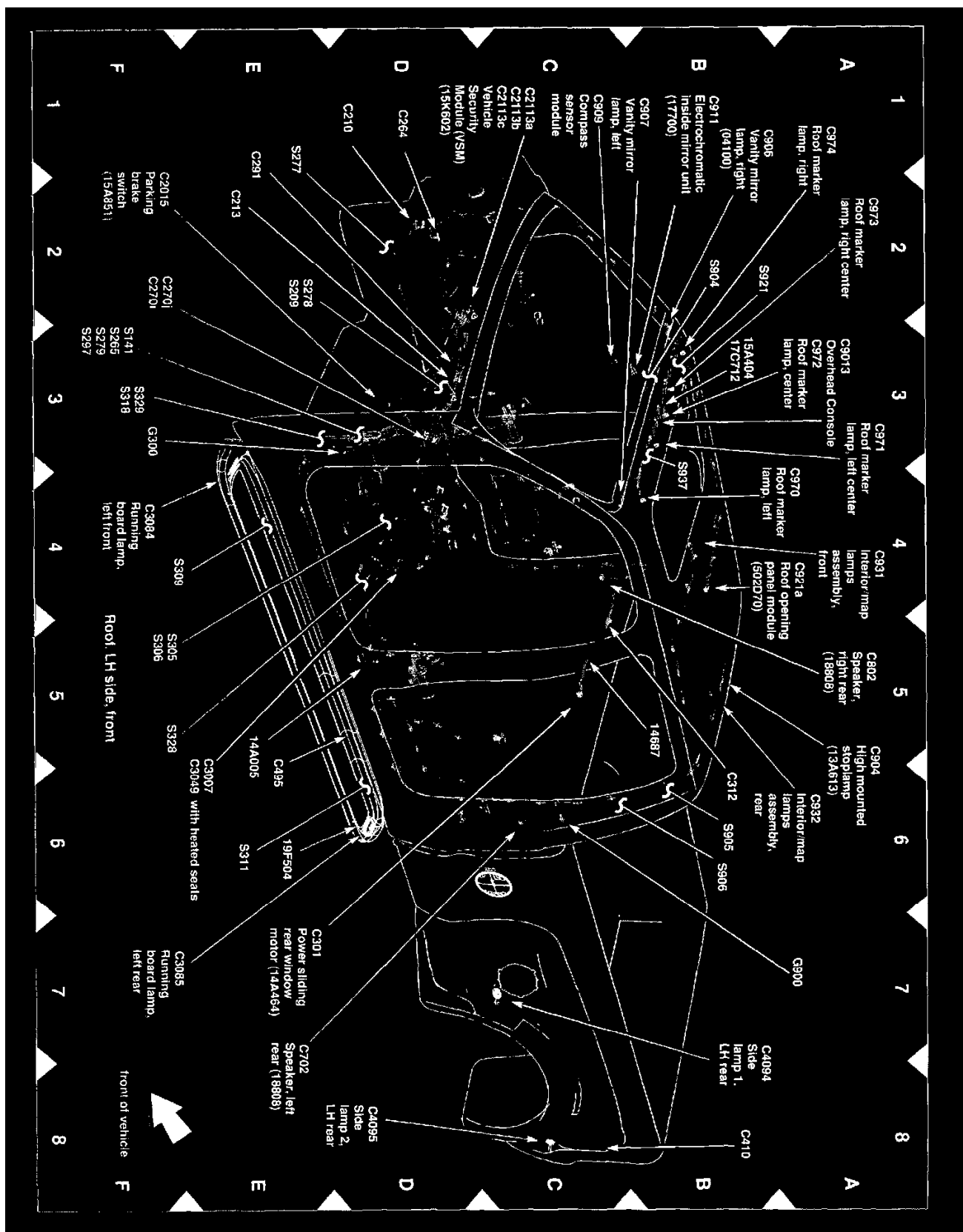
View 151-25 (Right Rear Door, Super Cab)



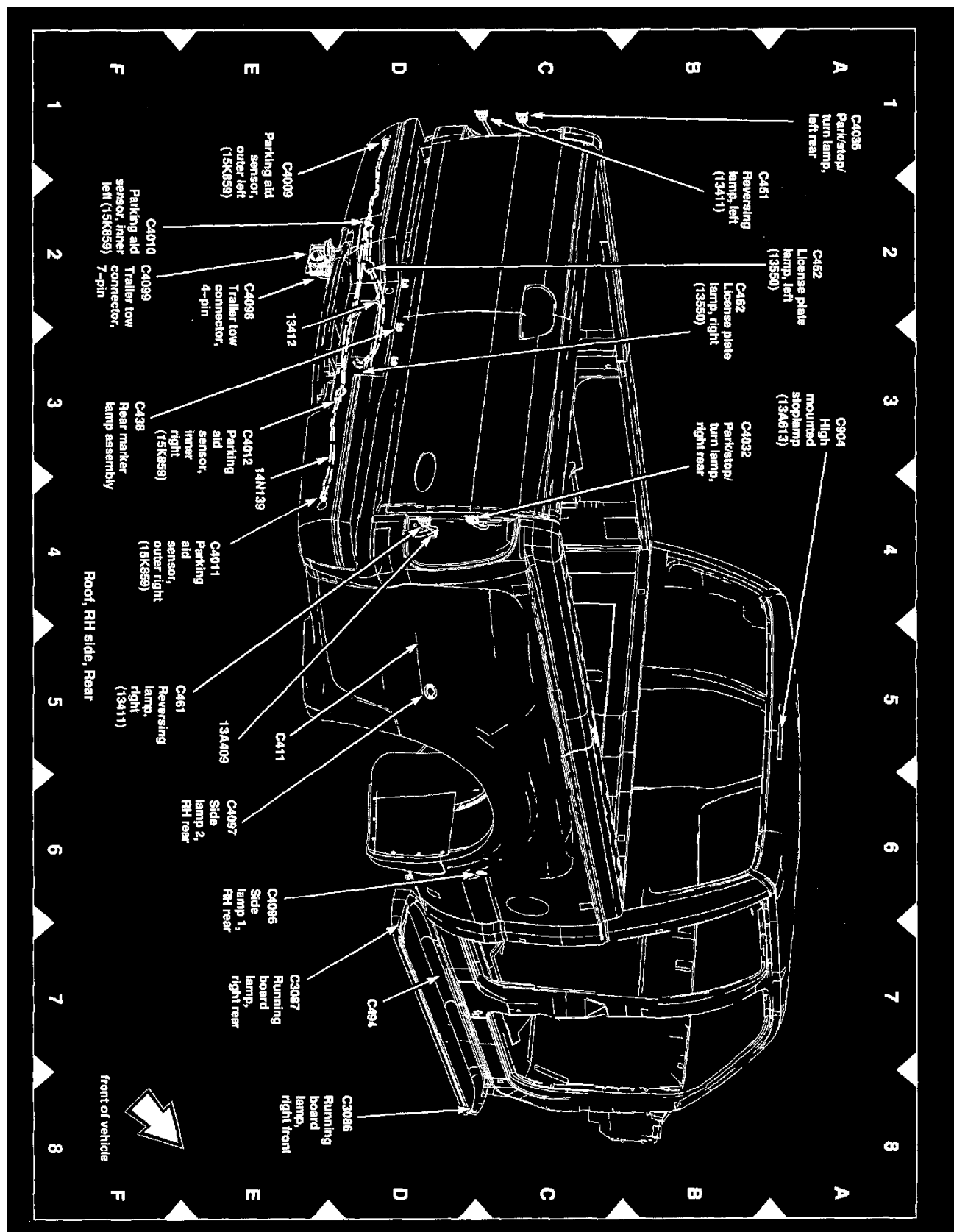
View 151-26 (Left Rear Door, Crew Cab)



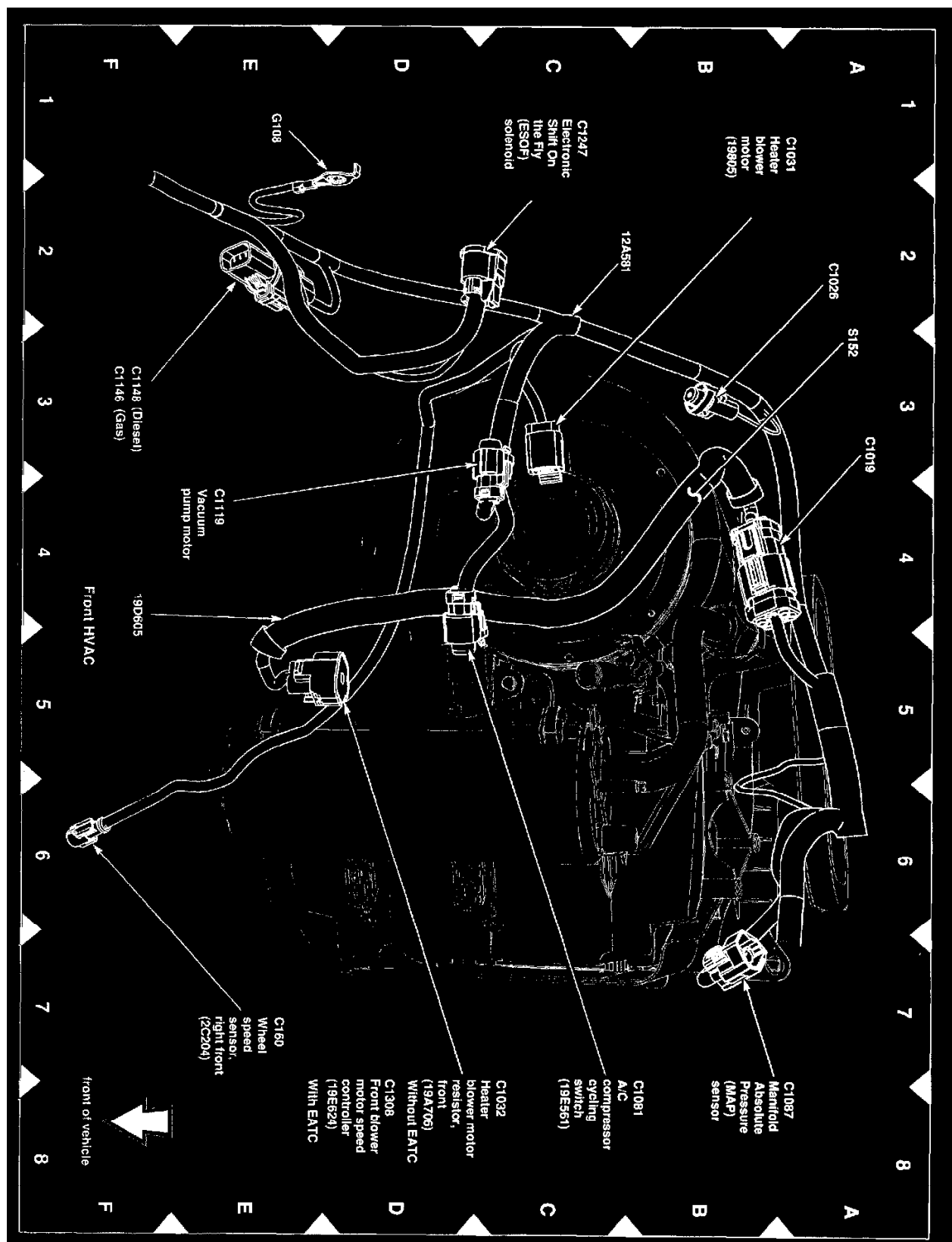
View 151-27 (Right Rear Door, Crew Cab)



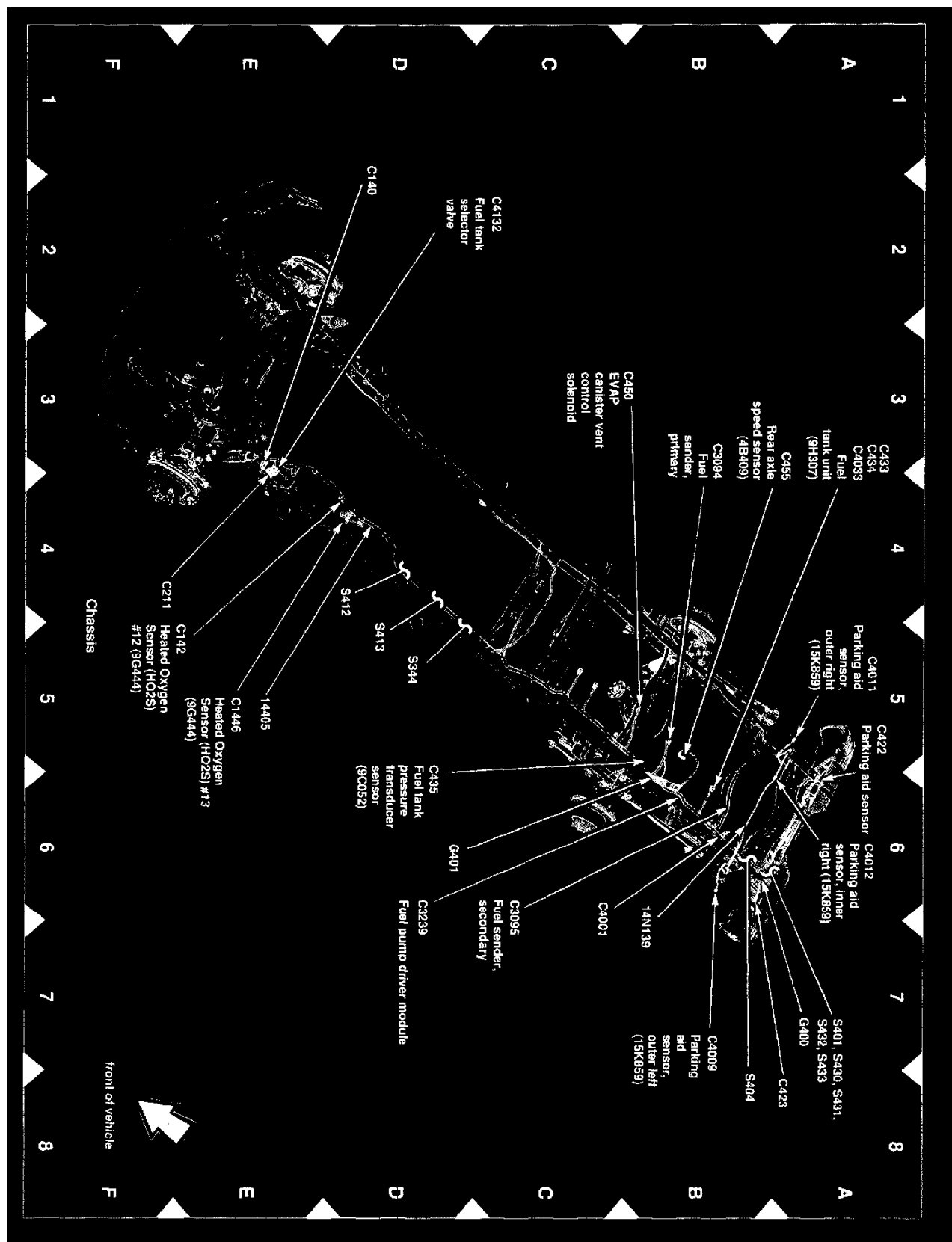
View 151-28 (Roof, LH Side, Front)



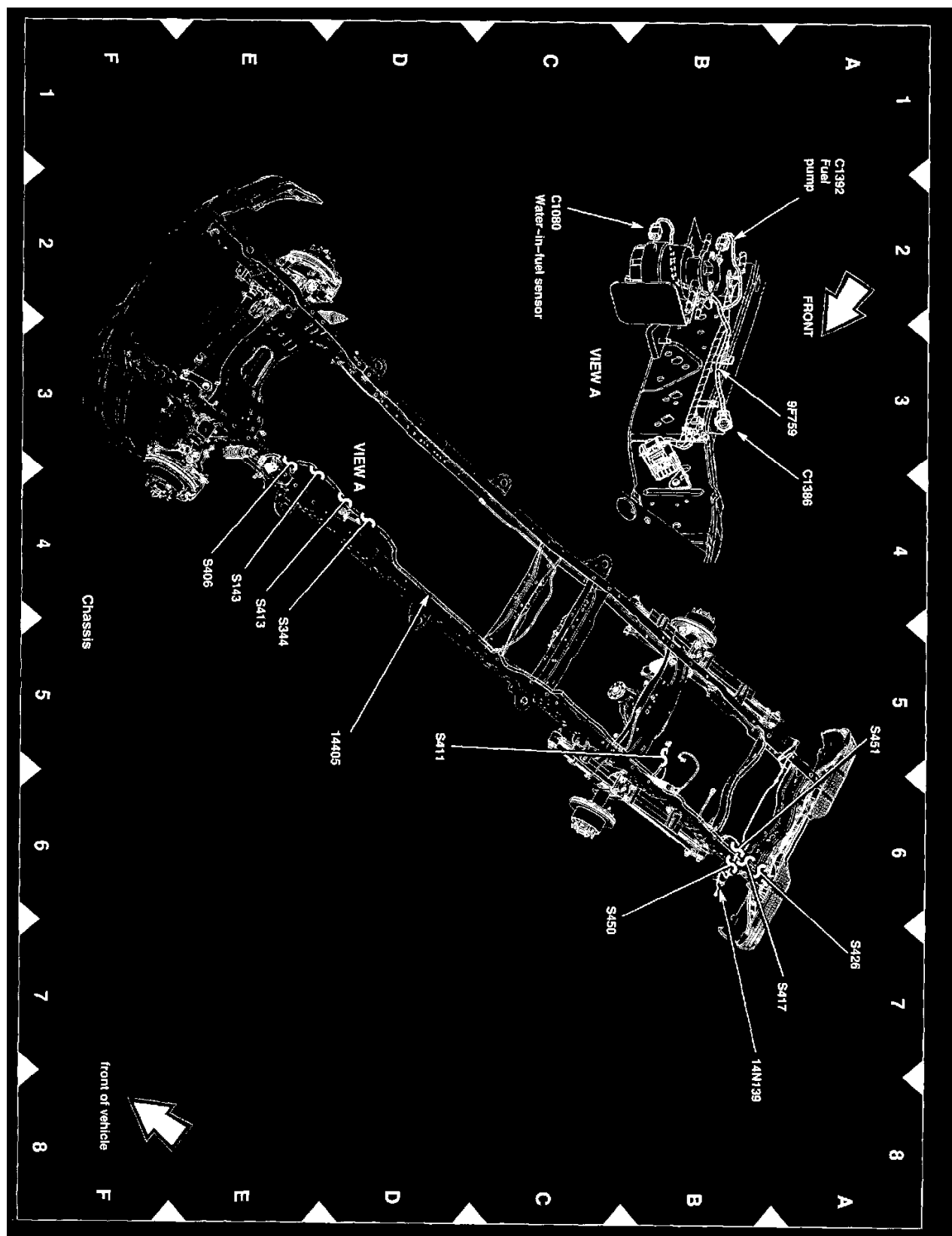
View 151-29 (Roof, RH Side, Rear)



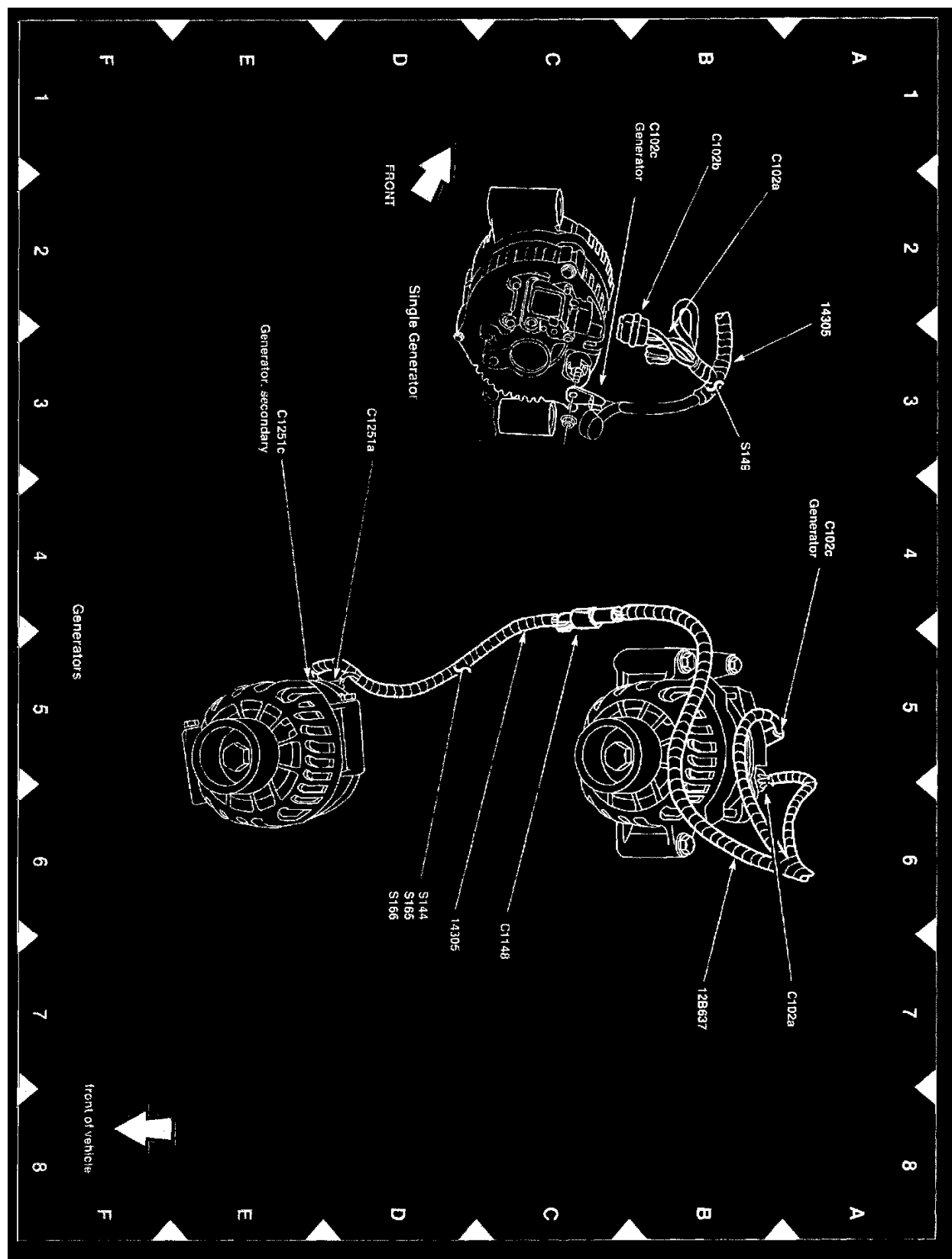
View 151-30 (Front HVAC)



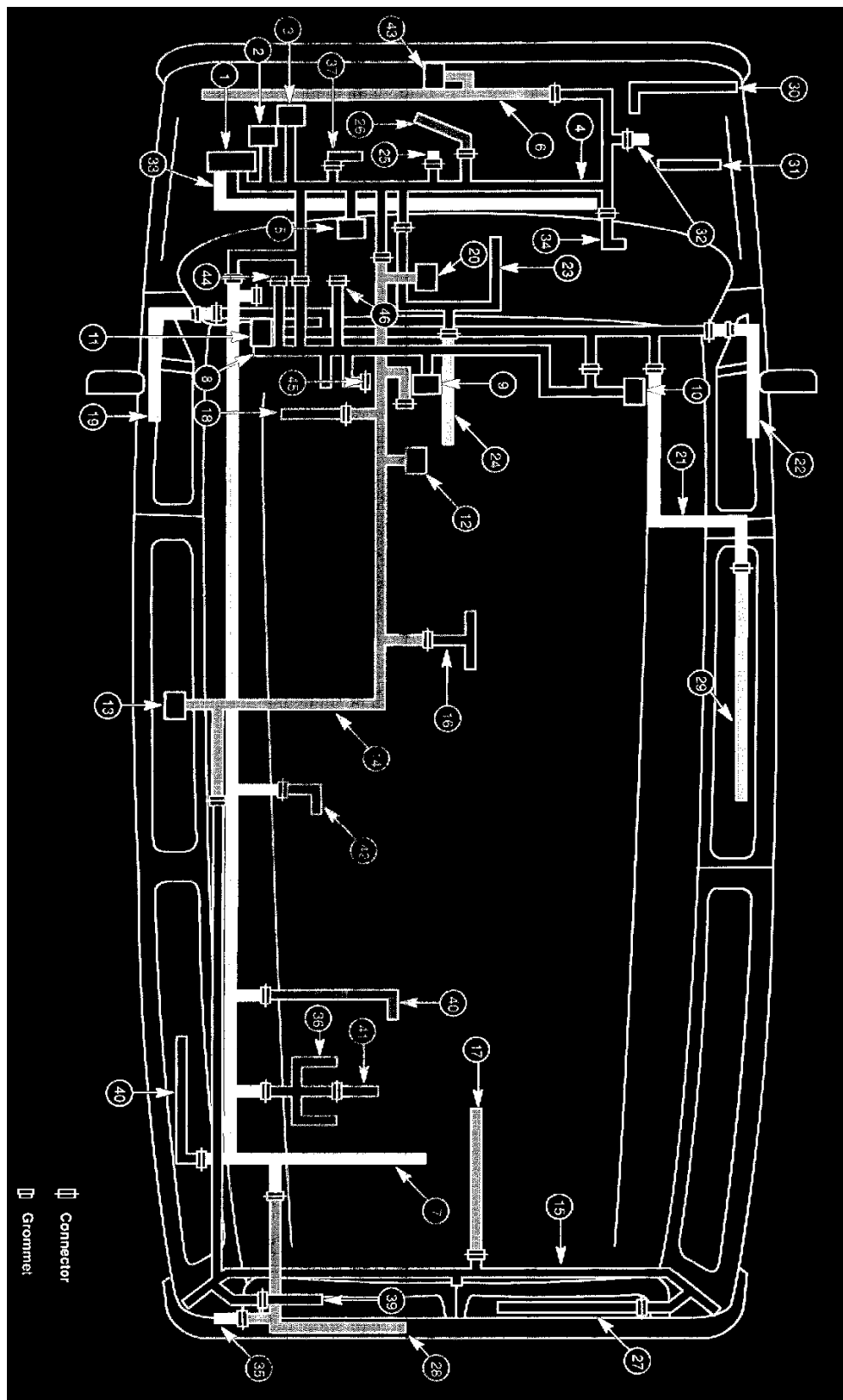
View 151-31 (Chassis)



View 151-32 (Chassis)



View 151-33 (Generators)



Wiring Harness Overview Part 1

Item	Description	Item	Description
1	Wiring harness - Engine control sensor	17	Wiring harness - Tail lamps
2	Wiring harness - Engine control sensor and fuel charge	18	Wiring harness - Trailer lamp feed
3	Wiring harness - Engine control sensor extension	19	Wiring harness - Cylinder head temperature sensor
4	Wiring harness - Starter motor relay and battery ground	20	Wiring harness - Backup alarm jumper
5	Wiring harness - Battery output	21	Wiring harness - Daytime Running Lamps (DRL) relay
6	Wiring harness - Alternator rectifier system	22	Wiring harness - Fog lamp jumper
7	Wiring harness - Starter motor relay and battery ground	23	Wiring harness - Parking aid sensor, front
8	Wiring harness - Main	24	Battery (10655)
9	Wiring harness - Body main	25	Battery II
10	Wiring harness - Passenger, driver seat jumper	26	Auxiliary relay box 1
11	Wiring harness - Passenger, driver seat jumper	27	Auxiliary relay box 2
12	Wiring harness - Backup lamp switch to rear lamp feed	28	Powertrain Control Module (PCM) (12A650)
13	Wiring harness - Overhead console	29	Central Junction Box (CJB) (14A068)
	Wiring harness - Marker lamp to switch	30	Vehicle Security Module (VSM)
14	Wiring harness - Tail lamps	31	Electronic Automatic Temperature Control (EATC) module (19980)
15	Wiring harness - Running board lamps	32	Four-wheel drive control module
16	Wiring harness - Rear license plate lamp	33	Parking Aid Module (PAM) (15K966)

Wiring Harness Overview Part 2

Harness Location Index

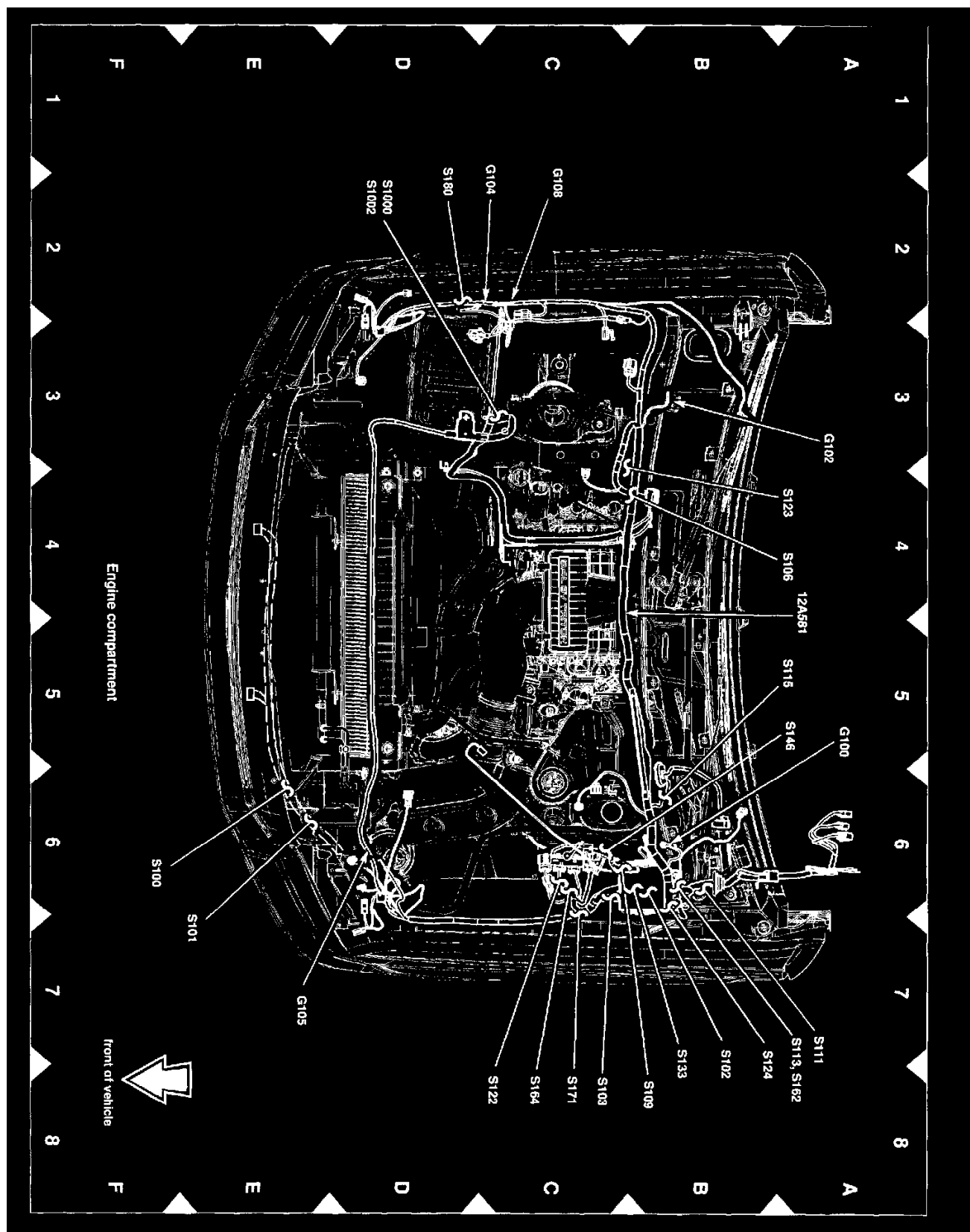
PLEASE NOTE: If a link on the Harness Location Index to a View is not provided, that means that the Harness and/or View in question does NOT apply to the vehicle model selected.

Wiring Harness**Location****View 151.*/coordinates**

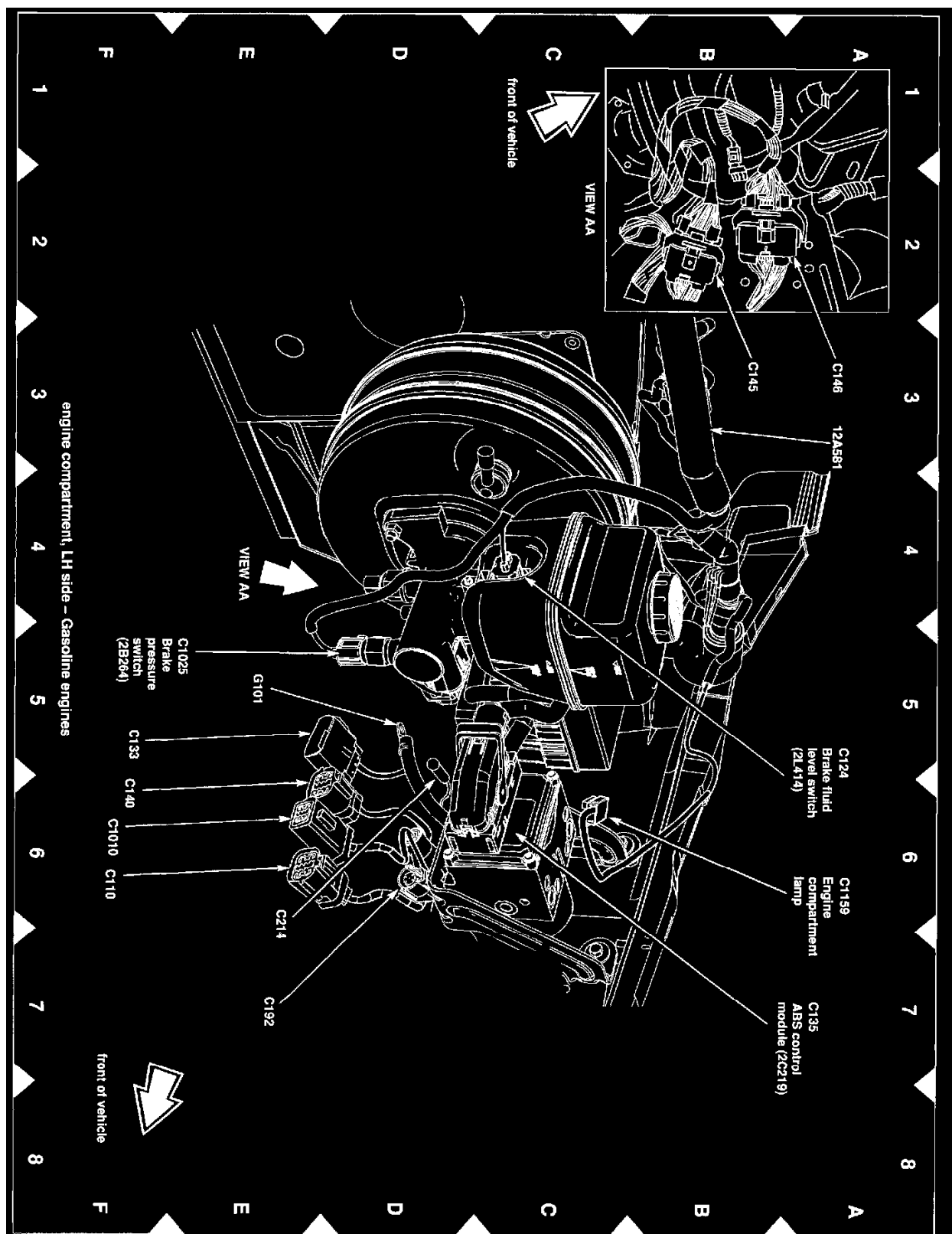
13412	Wiring harness - Rear license lamp	29-	D2
14300	Wiring harness - Battery output	3-	E3
14301	Wiring harness - Junction block to engine ground	3-	C2
14305	Wiring harness - Alternator rectifier system	33-	A2
14305	Wiring harness - Alternator rectifier system	33-	C5
14401	Wiring harness - Main	16-	B1
14401	Wiring harness - Main	17-	A4
14401	Wiring harness - Main	18-	C2
14405	Wiring harness - Tail lamps	31-	E5
14405	Wiring harness - Tail lamps	32-	D5
9F759	Wiring harness - Fuel vapor purge solenoid jumper	32-	A3
14687	Wiring harness - Power sliding rear window jumper	28-	B5
15525	Wiring harness - Back up lamp switch to rear lamp feed	14-	B3
15525	Wiring harness - Back up lamp switch to rear lamp feed	14-	A3
12A581	Wiring harness - Engine control sensor	1-	E3
12A581	Wiring harness - Engine control sensor	3-	B4
12A581	Wiring harness - Engine control sensor	5-	A3
12A581	Wiring harness - Engine control sensor	6-	A3
12A581	Wiring harness - Engine control sensor	30-	C2
12B637	Wiring harness - Engine control sensor and fuel charge	7-	F5
12B637	Wiring harness - Engine control sensor and fuel charge	8-	B2
12B637	Wiring harness - Engine control sensor and fuel charge	9-	B2
12B637	Wiring harness - Engine control sensor and fuel charge	10-	E7
12B637	Wiring harness - Engine control sensor and fuel charge	13-	B4
12B637	Wiring harness - Engine control sensor and fuel charge	33-	B7
13A006	Wiring harness - Headlamp	1-	E2
13A006	Wiring harness - Headlamp	1-	D7
13A409	Wiring harness - Tail lamps	29-	E5
14A005	Wiring harness - Body main	19-	B4
14A005	Wiring harness - Body main	22-	E6
14A005	Wiring harness - Body main	23-	F2
14A005	Wiring harness - Body main	24-	E6
14A005	Wiring harness - Body main	26-	C3
14A005	Wiring harness - Body main	27-	F3
14A005	Wiring harness - Body main	28-	E6
14A631	Wiring harness - Door lock switch	22-	B1
14B060	Wiring harness - Starter motor relay and battery ground	3-	E3
14B084	Wiring harness - Passenger, driver seat jumper	20-	C3
14B084	Wiring harness - Passenger, driver seat jumper	21-	D7
14B102	Wiring harness - Cylinder head temperature sensor	8-	E2
14K073	Wiring harness - Temperature sender extension	1-	E6
14N139	Wiring harness - Backup alarm jumper	29-	E3
14N139	Wiring harness - Backup alarm jumper	31-	B6
14N139	Wiring harness - Backup alarm jumper	32-	B7
15A211	Wiring harness - Fog lamp jumper	3-	E4
15A404	Wiring harness - Marker lamp to switch	28-	A2
17C712	Wiring harness - Overhead console	28-	A2
19D605	Wiring harness - A/C blower motor feed extension	30-	F4
19F504	Wiring harness - running board lamps	28-	E6

13412-19F504

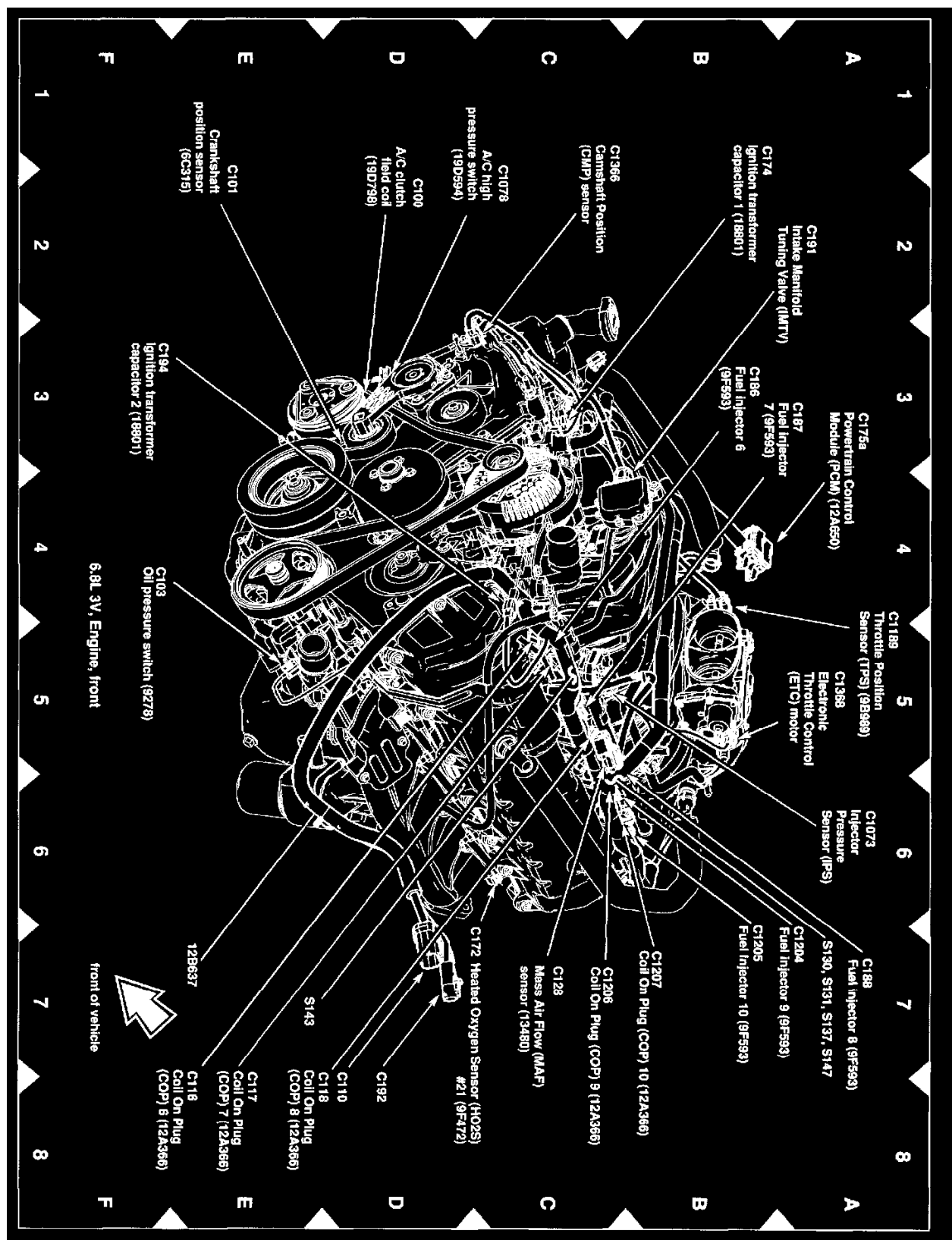




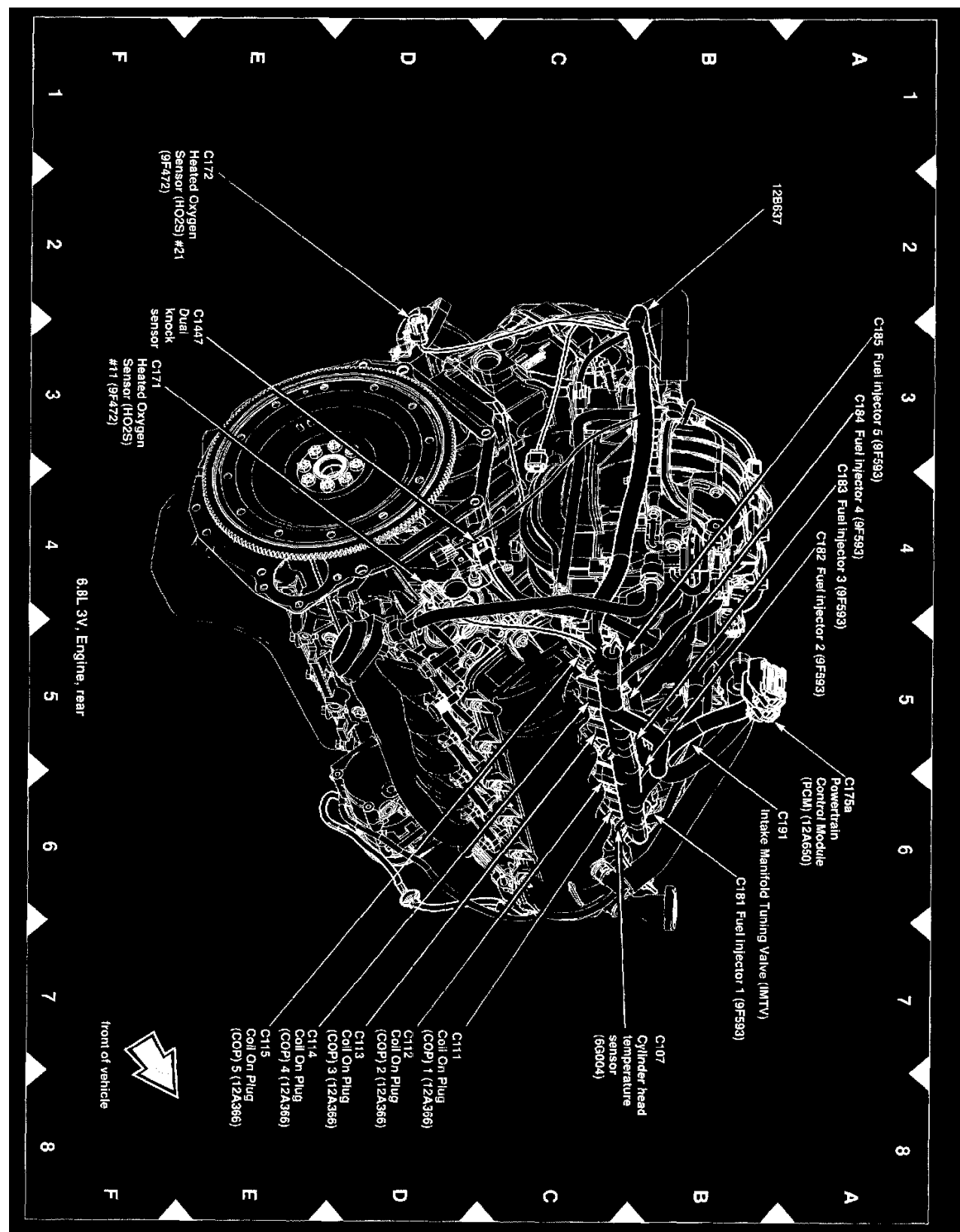
View 151-2 (Engine Compartment)



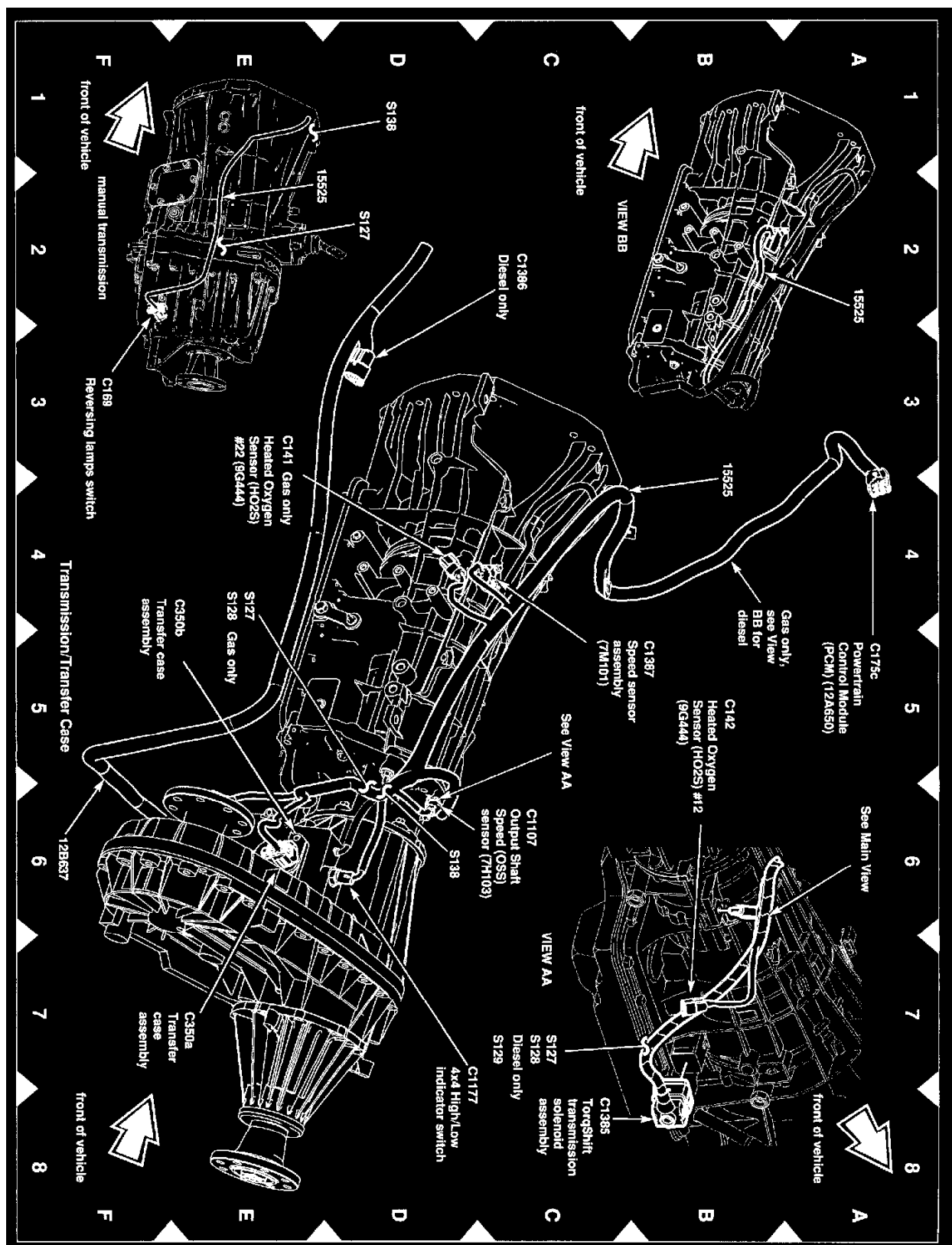
View 151-6 (Engine Compartment, LH Side)



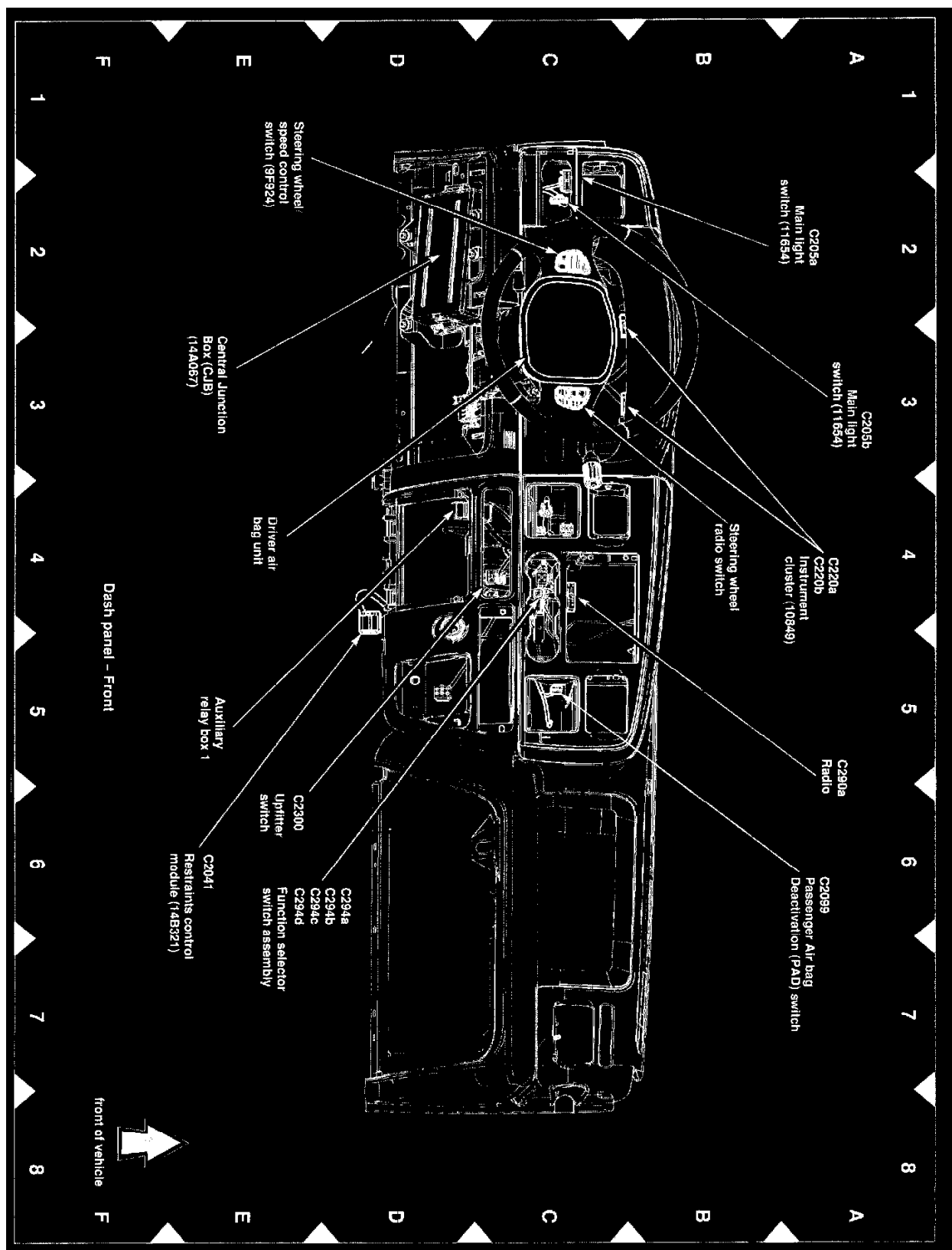
View 151-10 (Engine, Front)



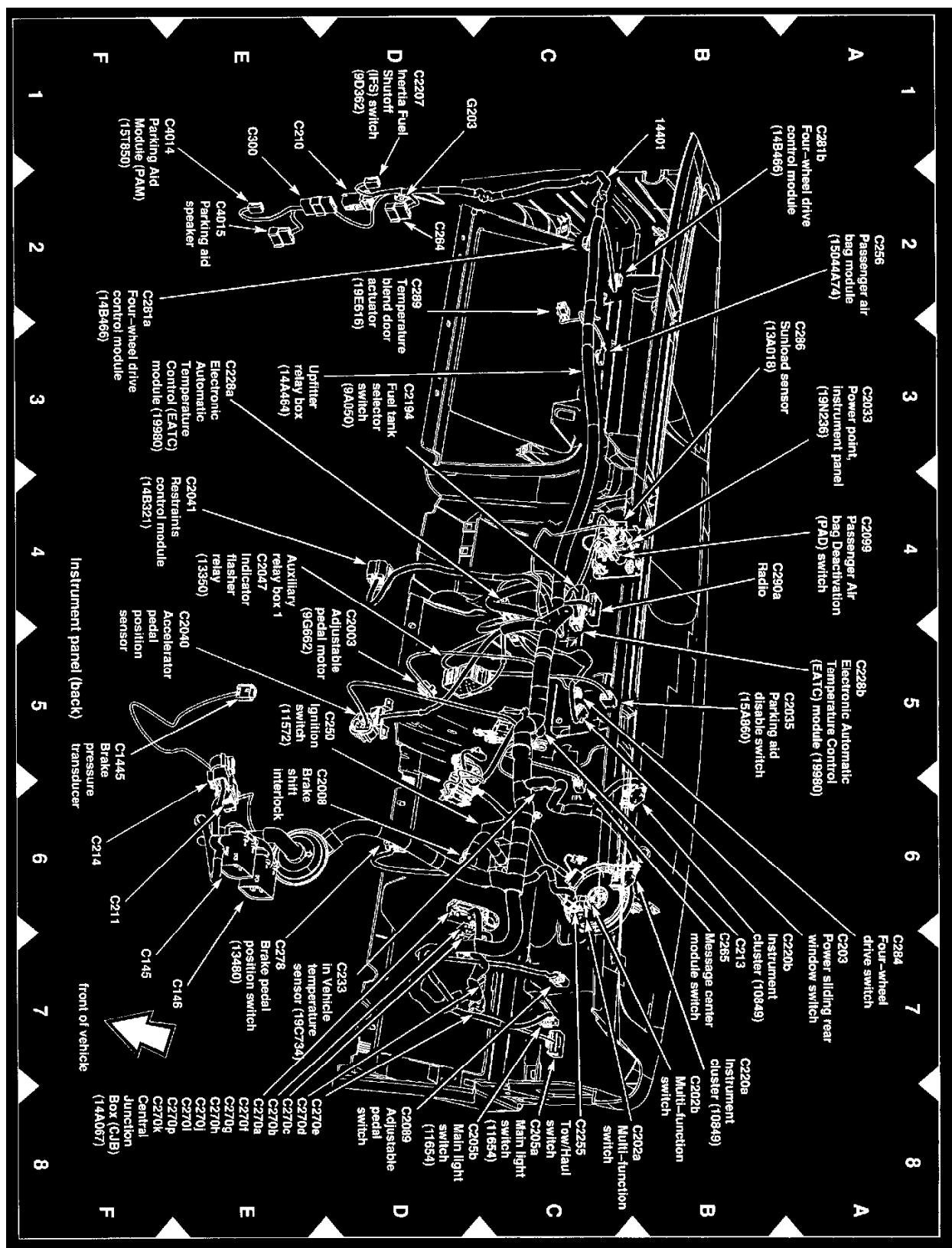
View 151-11 (Engine, Rear)



View 151-14 (Transmission/Transfer Case)



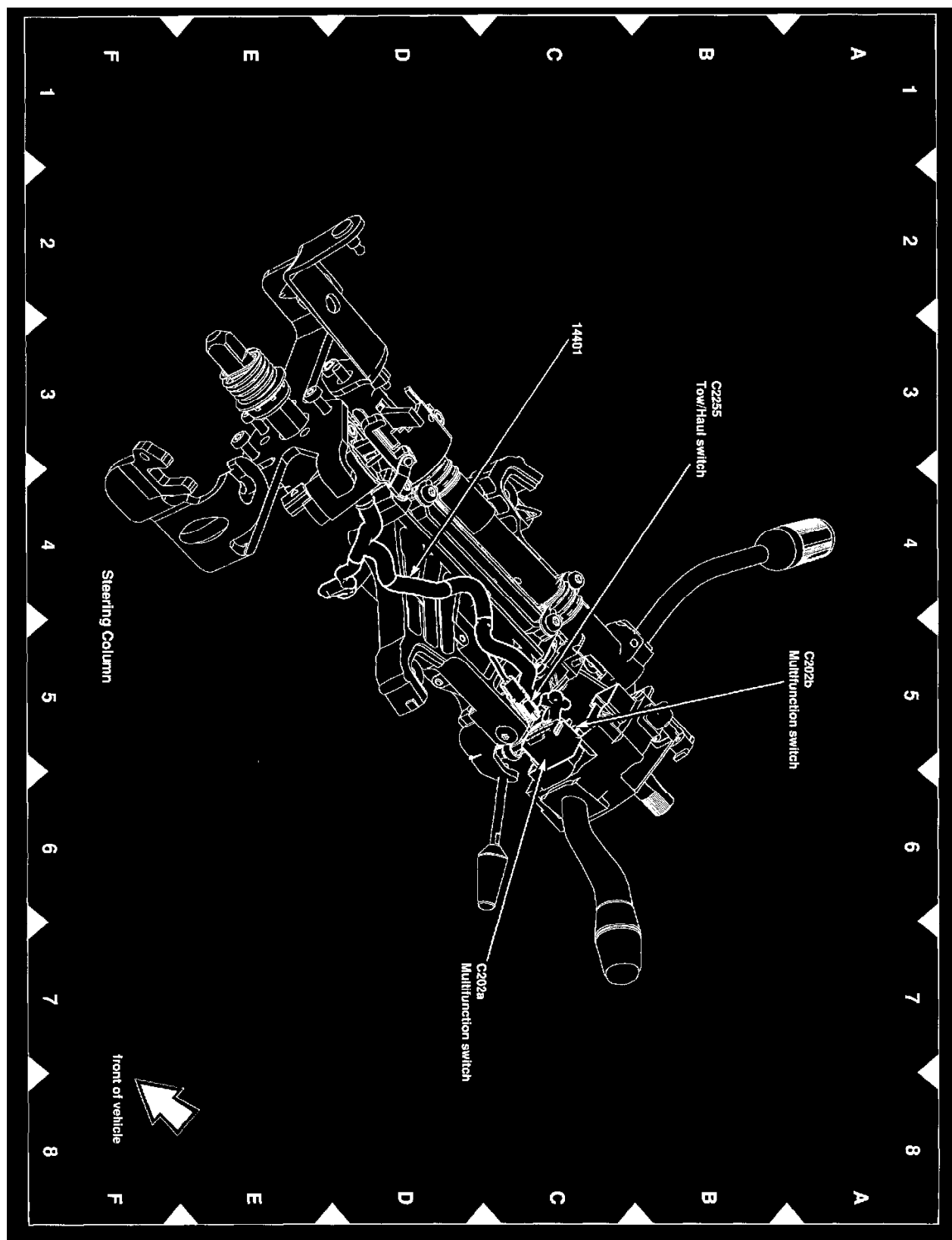
View 151-15 (Dash Panel - Front)



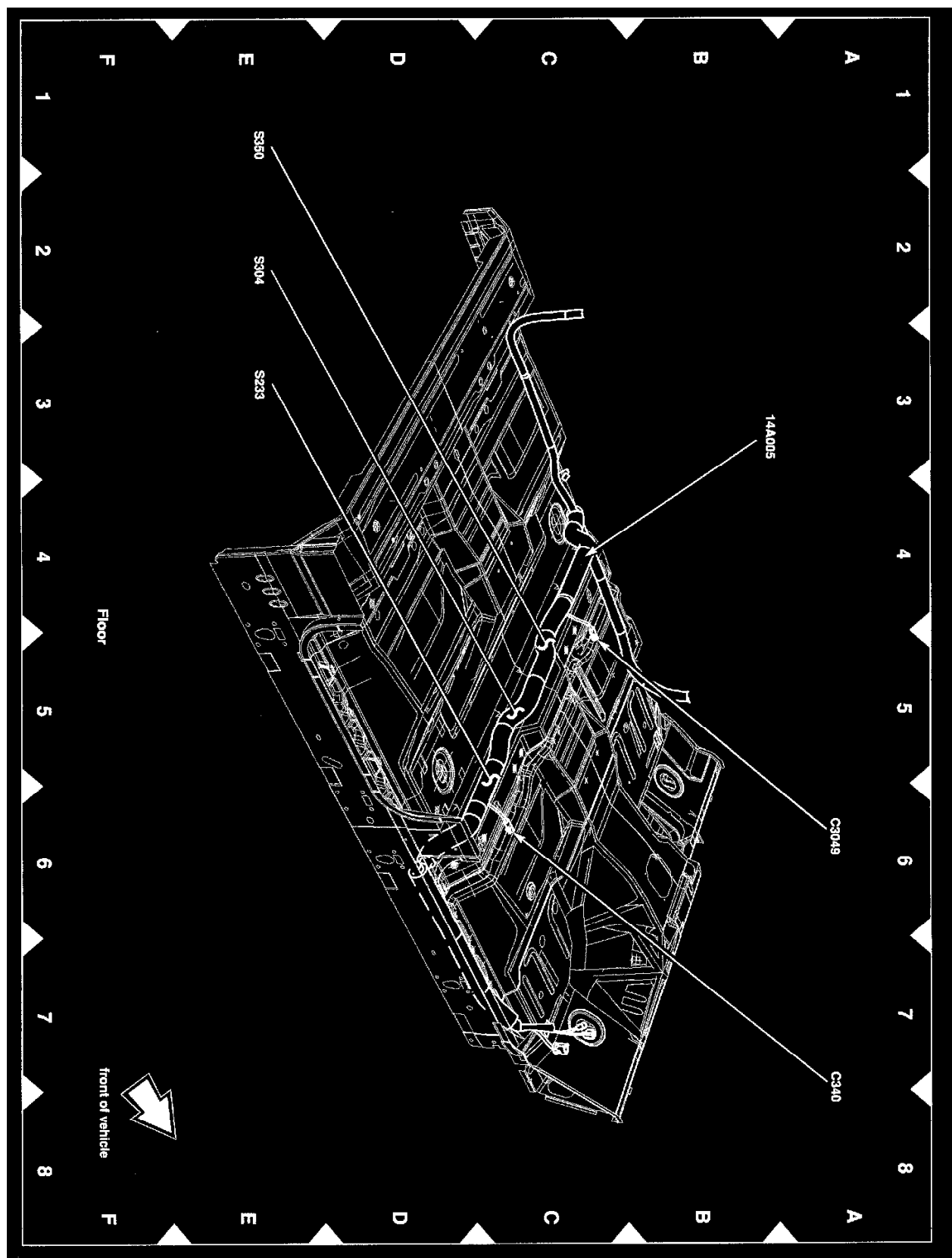
View 151-16 (Instrument Panel (Back))



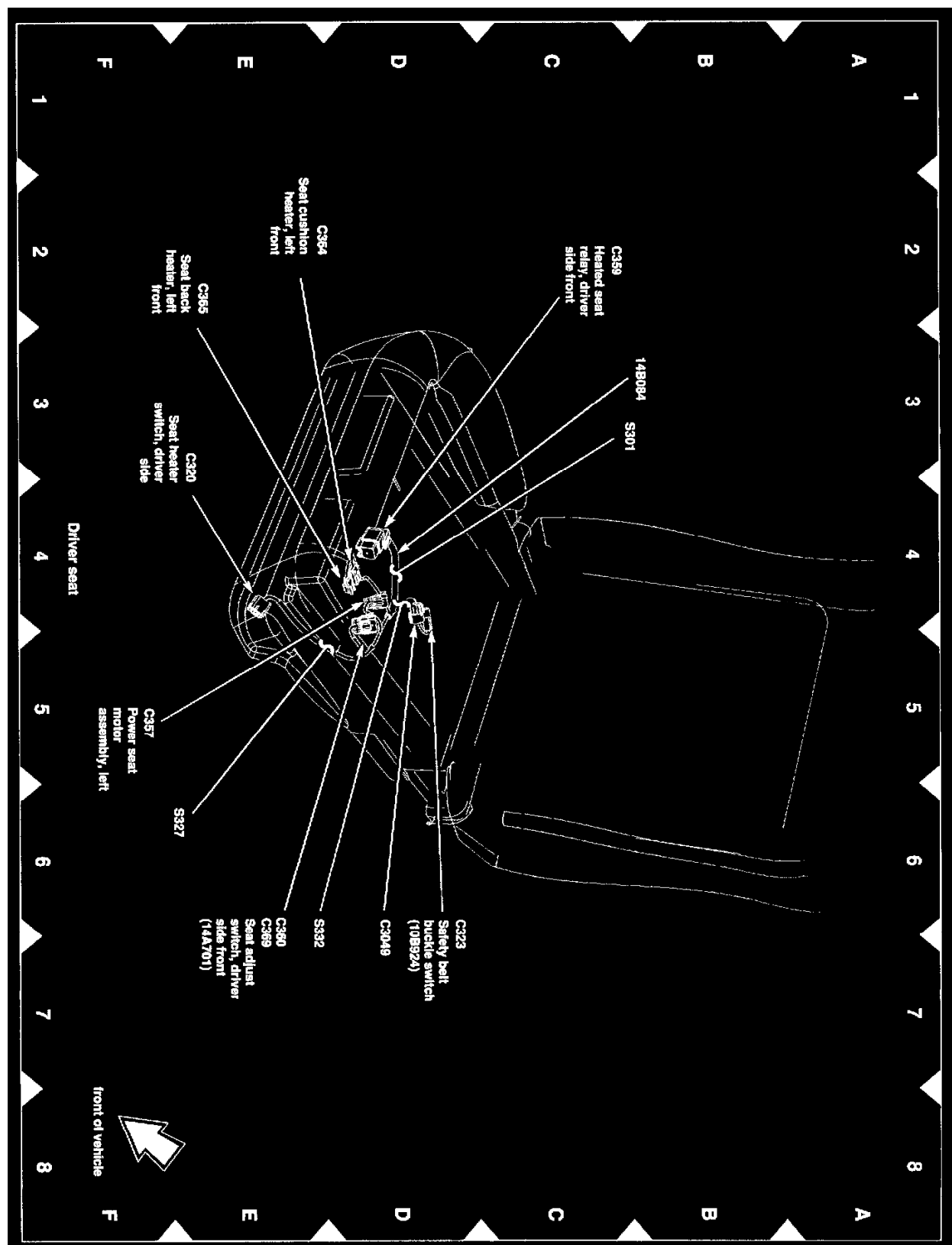
View 151-17 (Instrument Panel (Back))



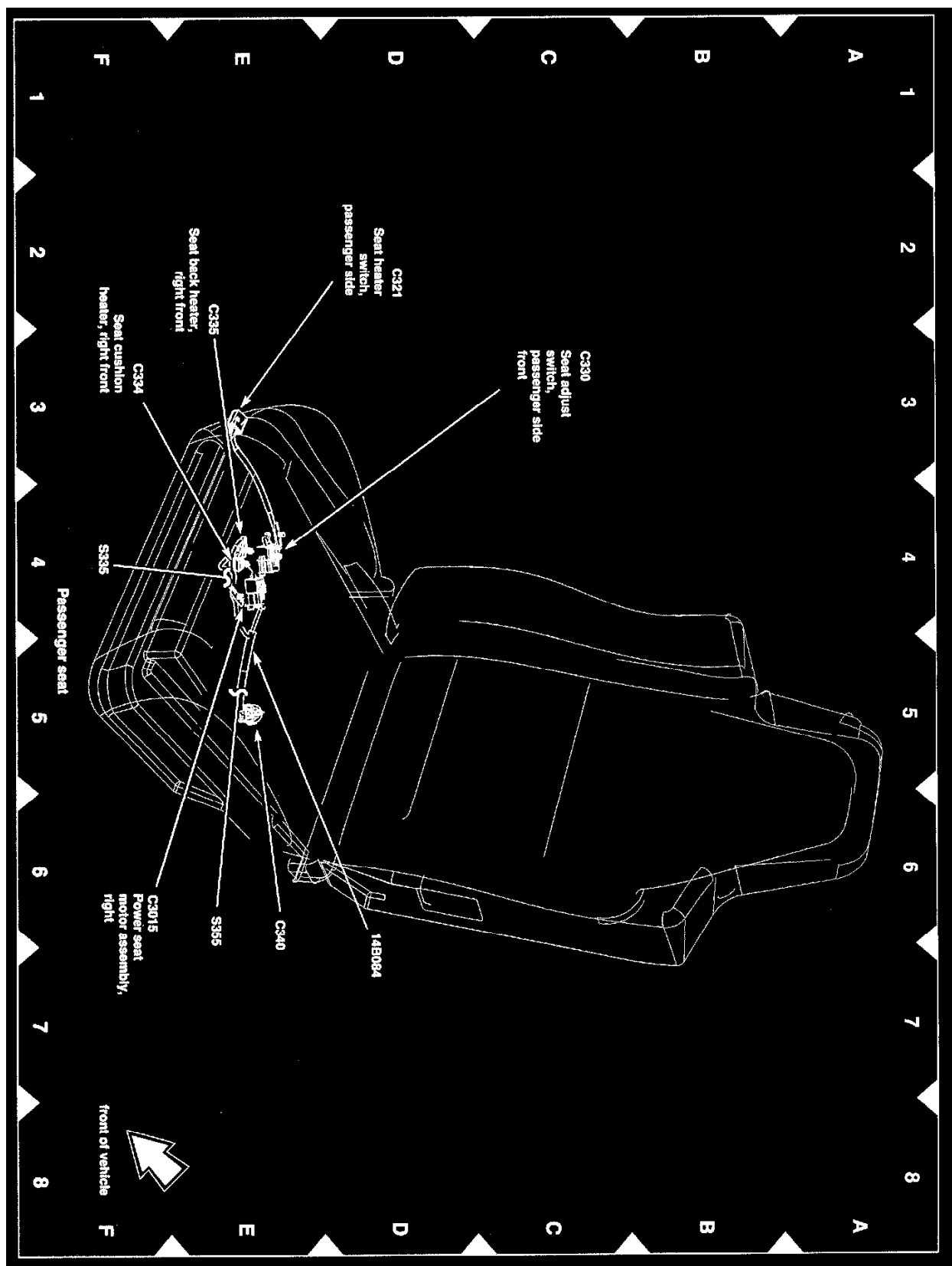
View 151-18 (Steering Column)



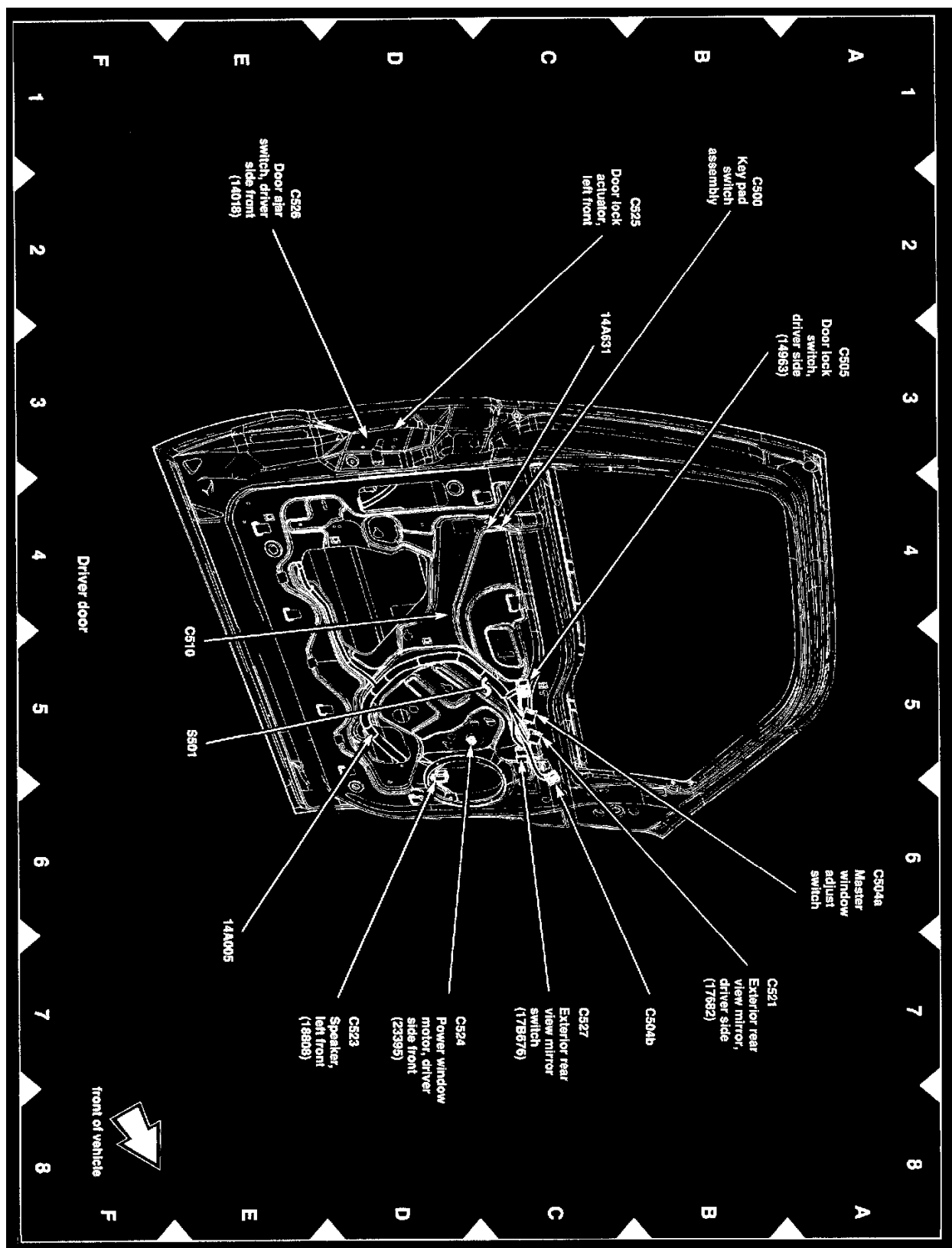
View 151-19 (Floor)



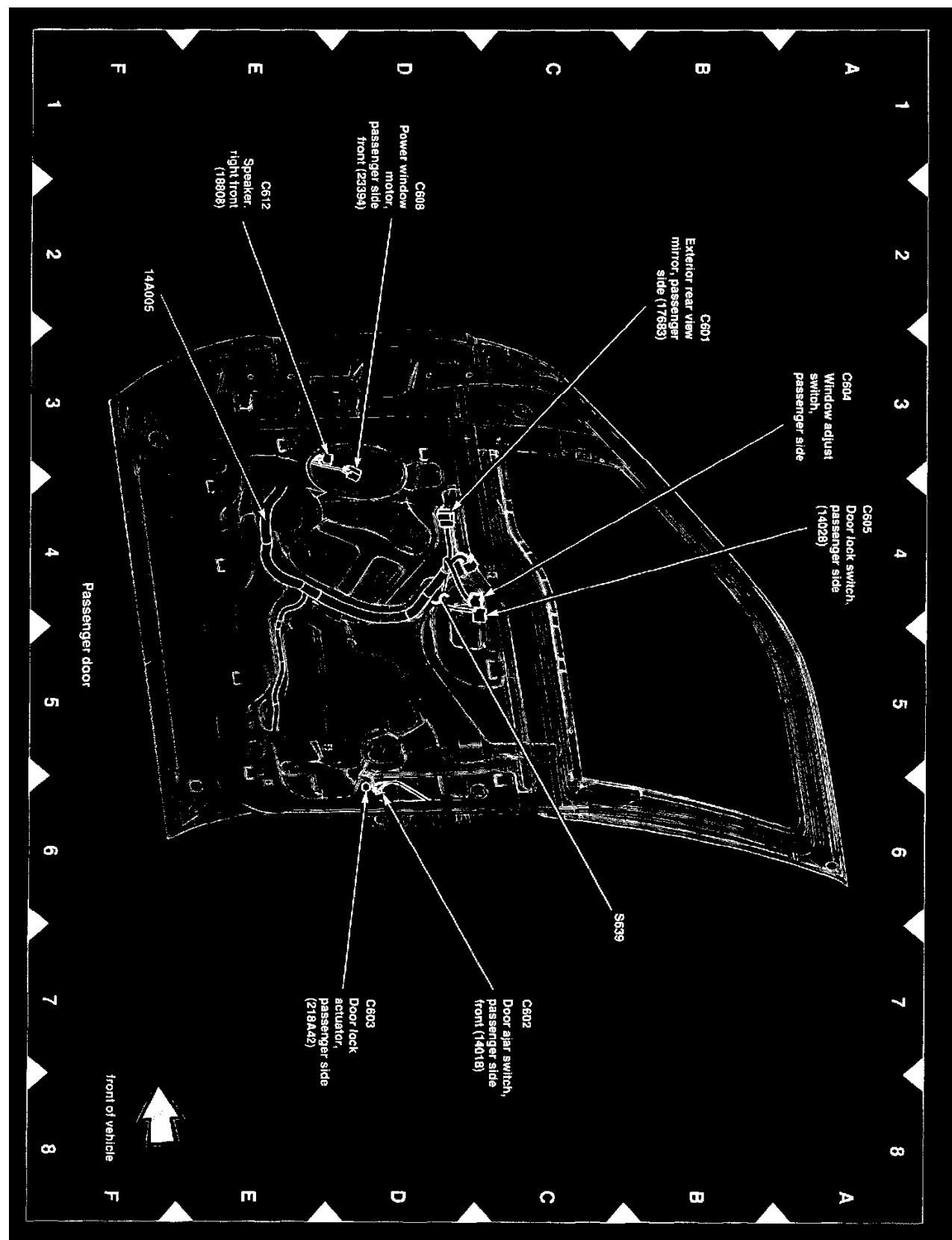
View 151-20 (Driver Seat)



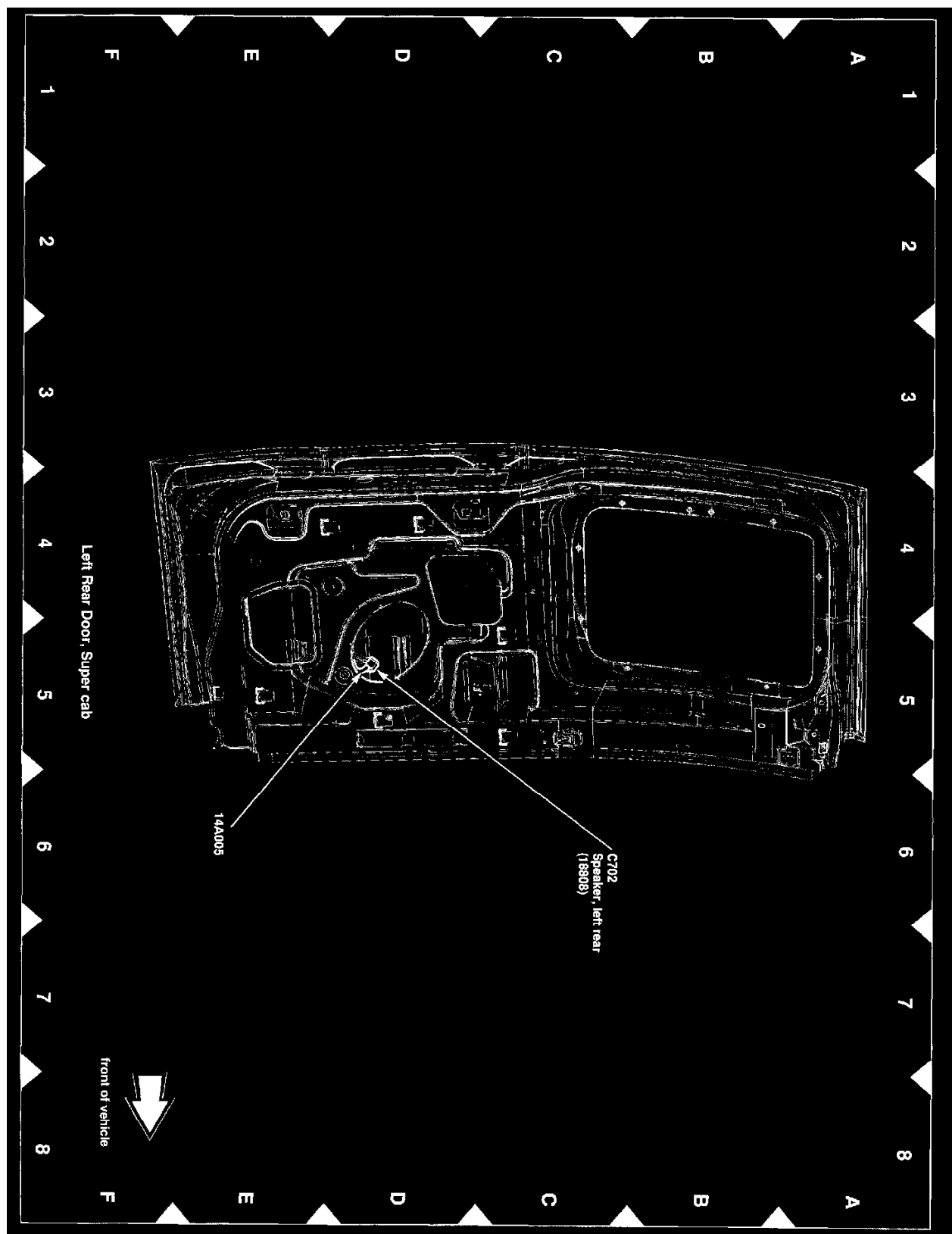
View 151-21 (Passenger Seat)



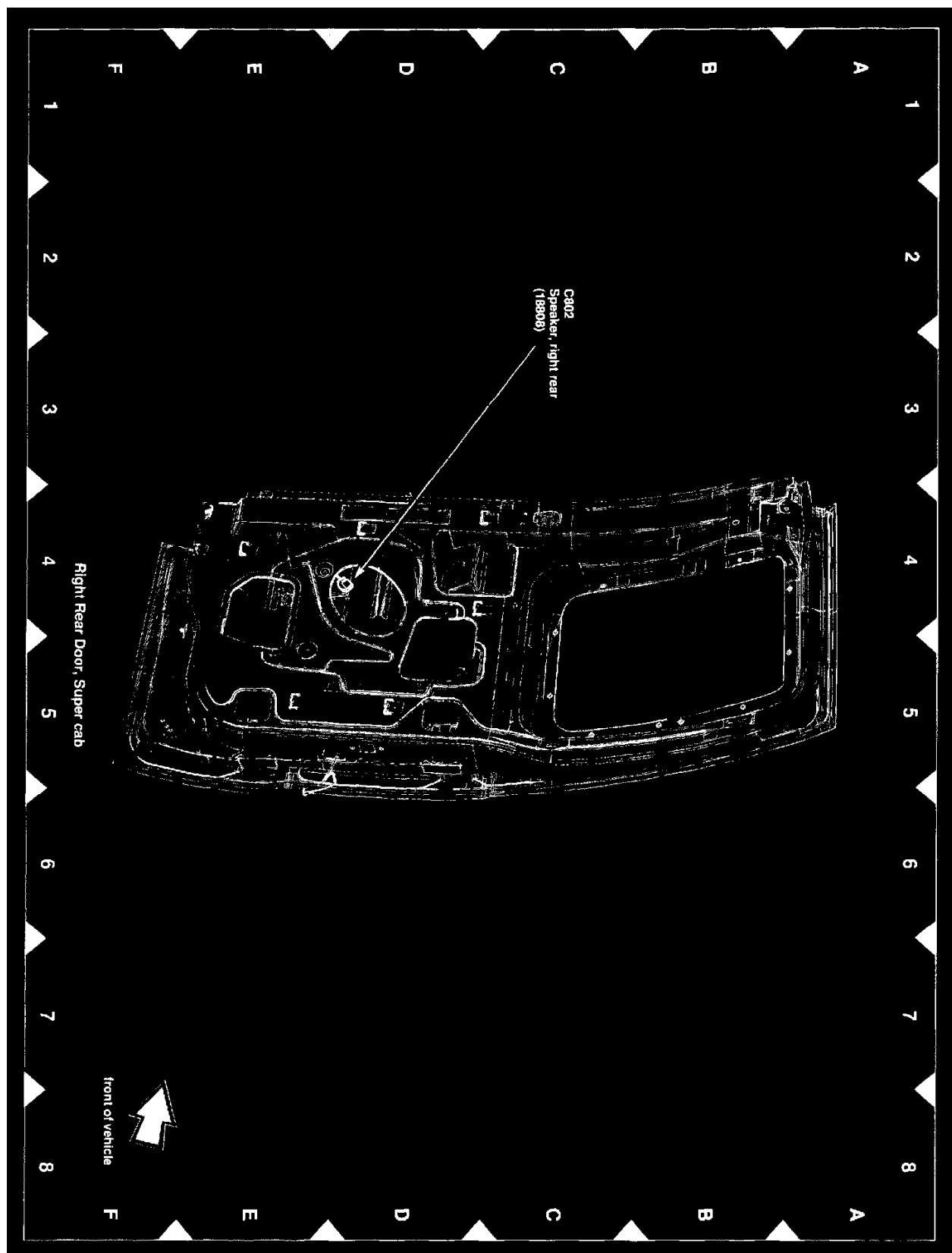
View 151-22 (Driver Door)



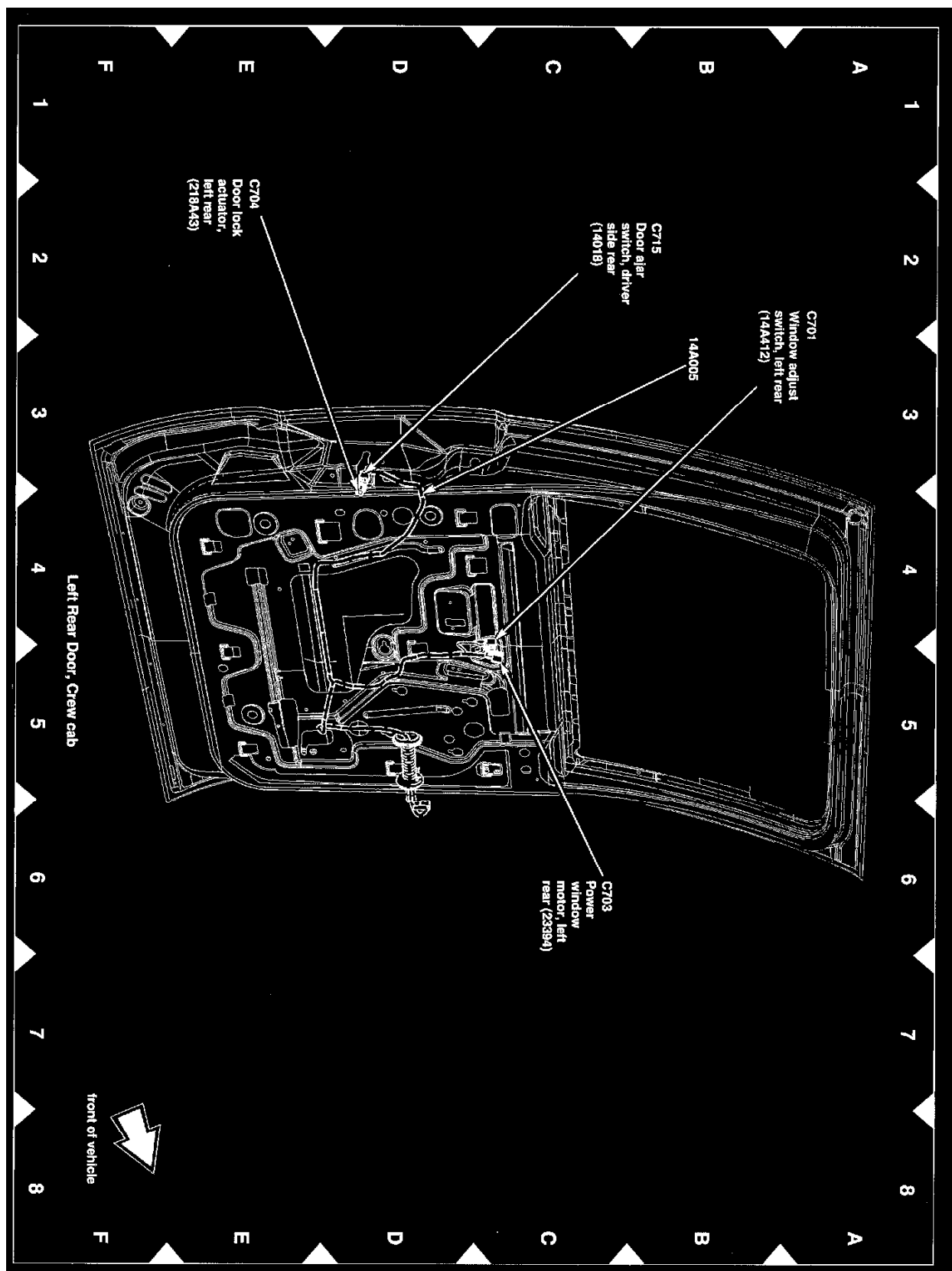
View 151-23 (Passenger Door)



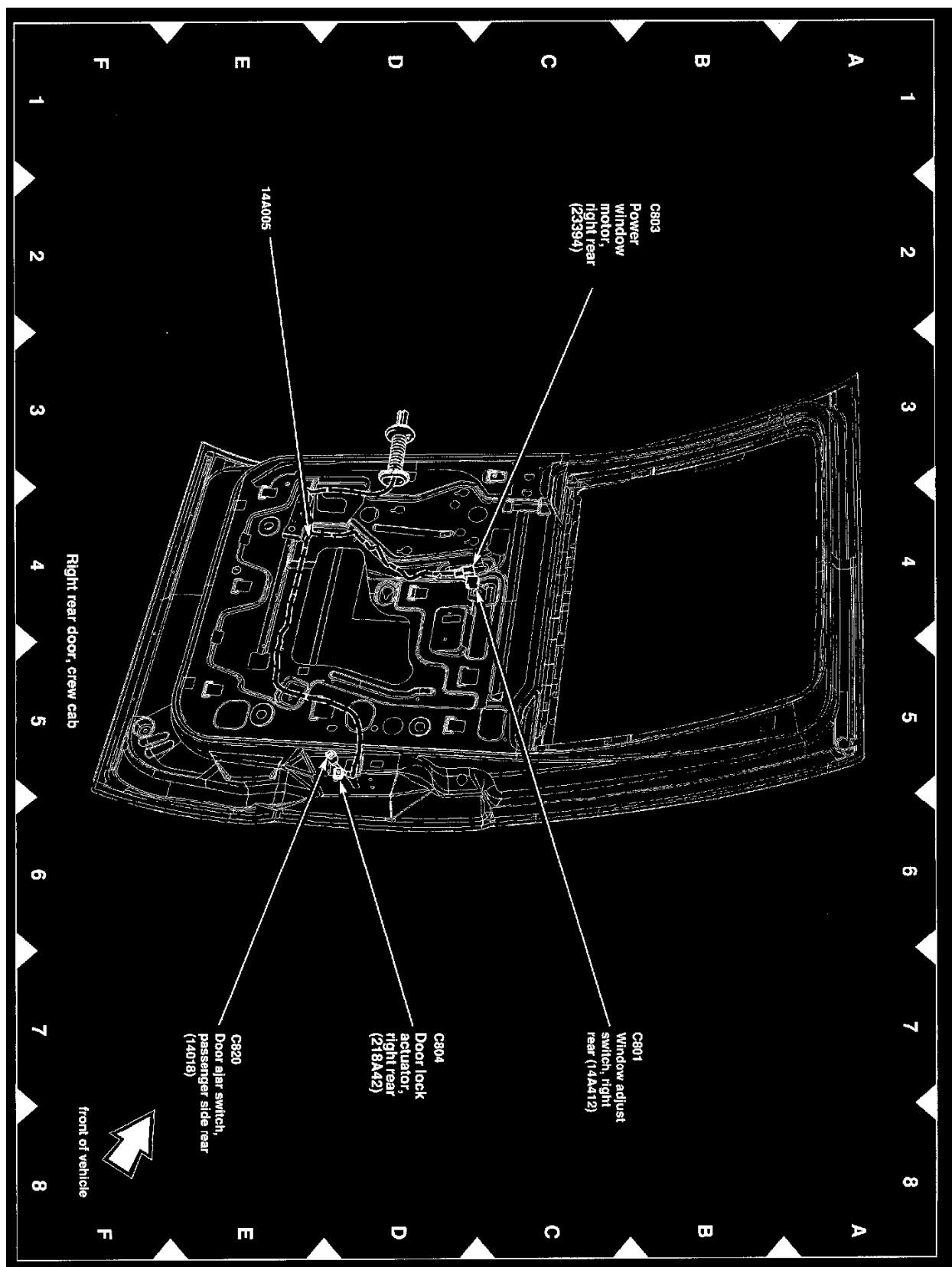
View 151-24 (Left Rear Door, Super Cab)



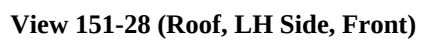
View 151-25 (Right Rear Door, Super Cab)

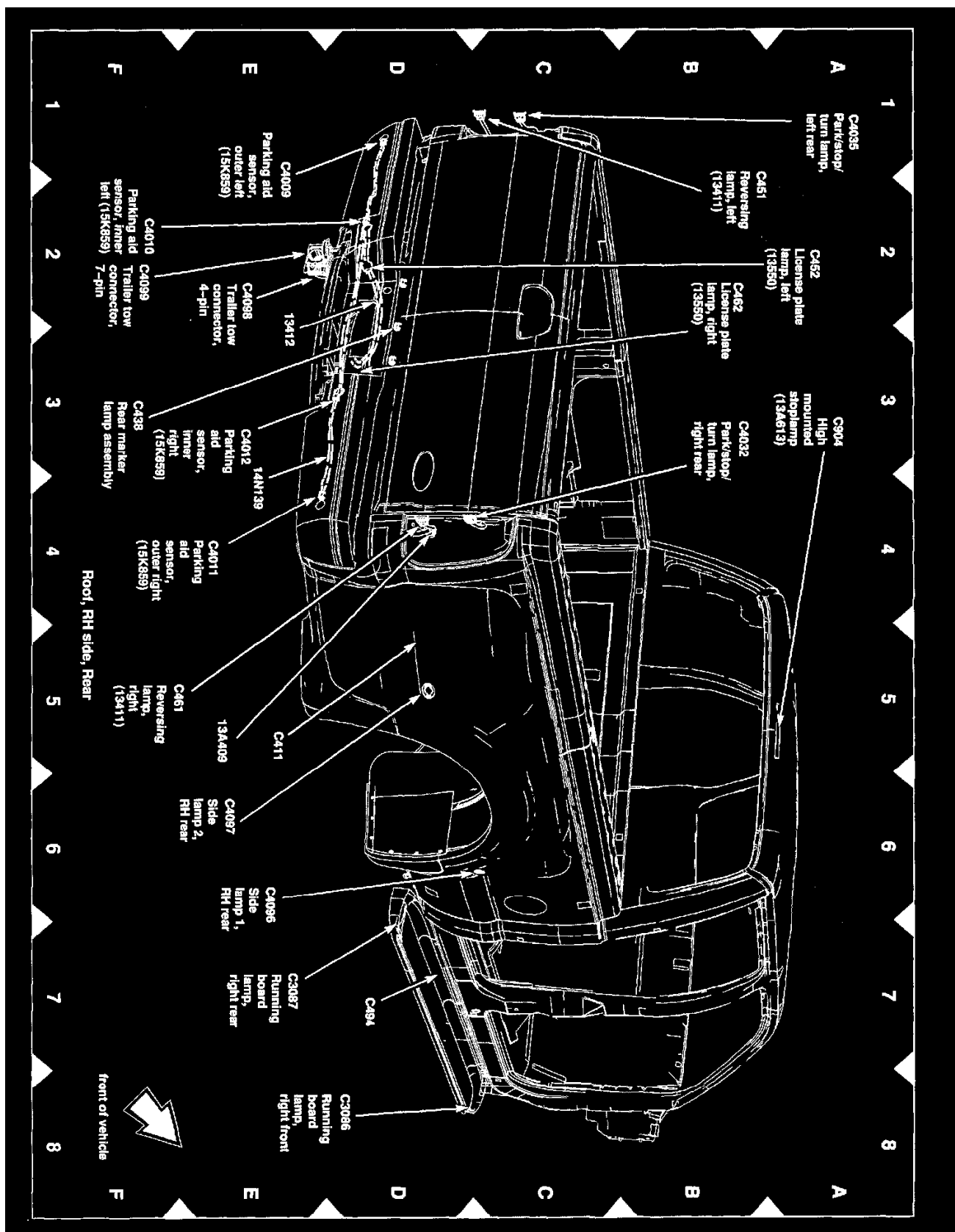


View 151-26 (Left Rear Door, Crew Cab)

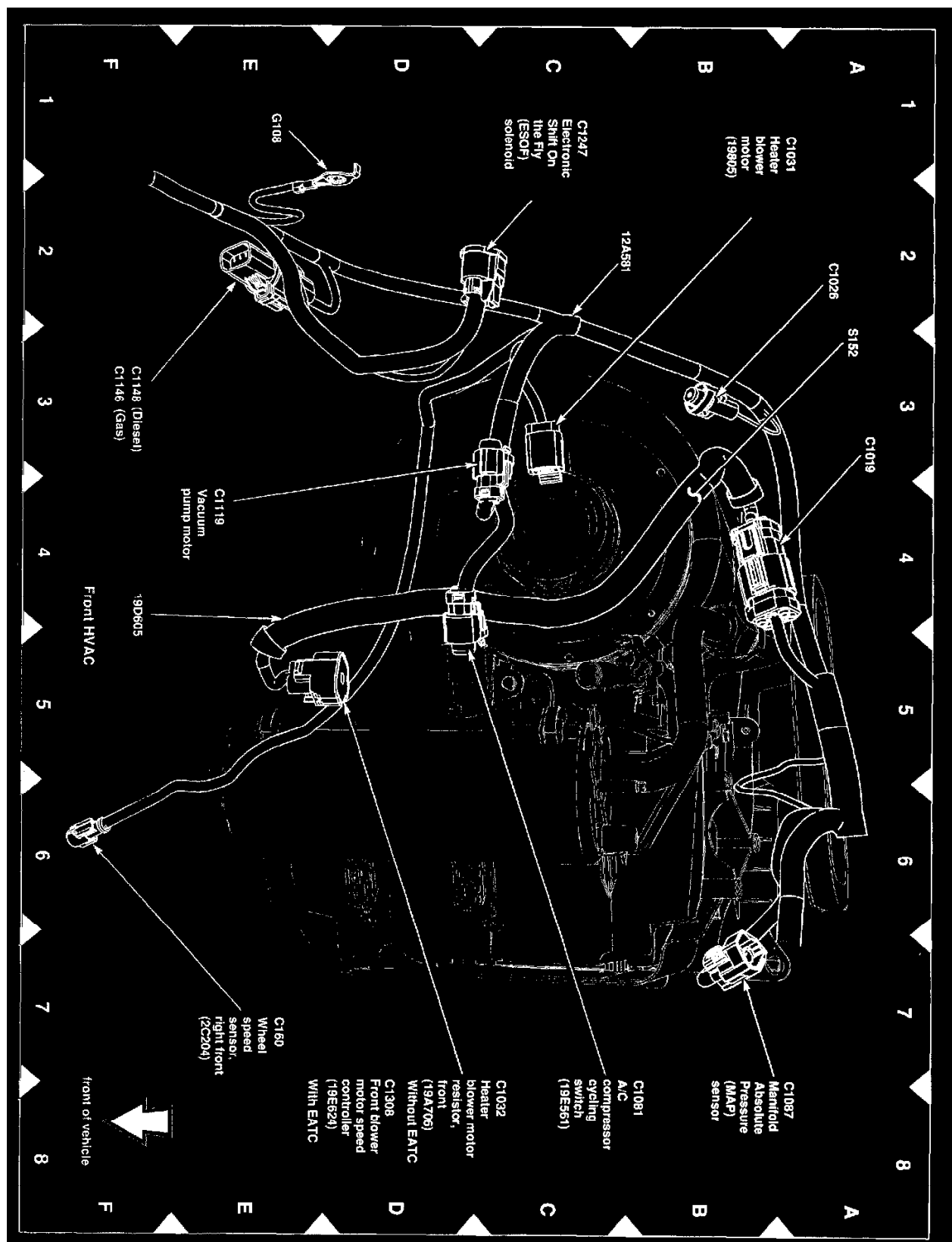


View 151-27 (Right Rear Door, Crew Cab)

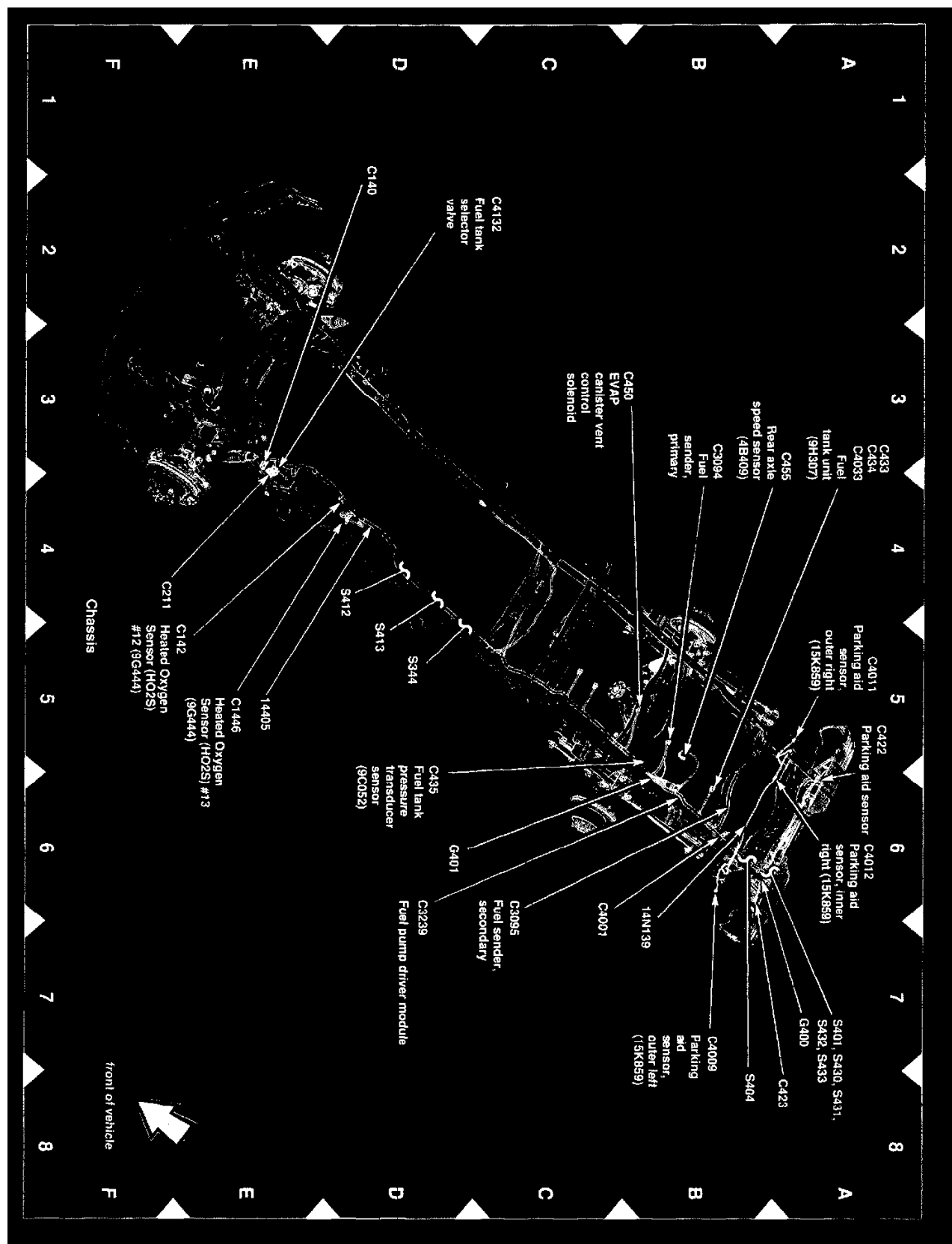




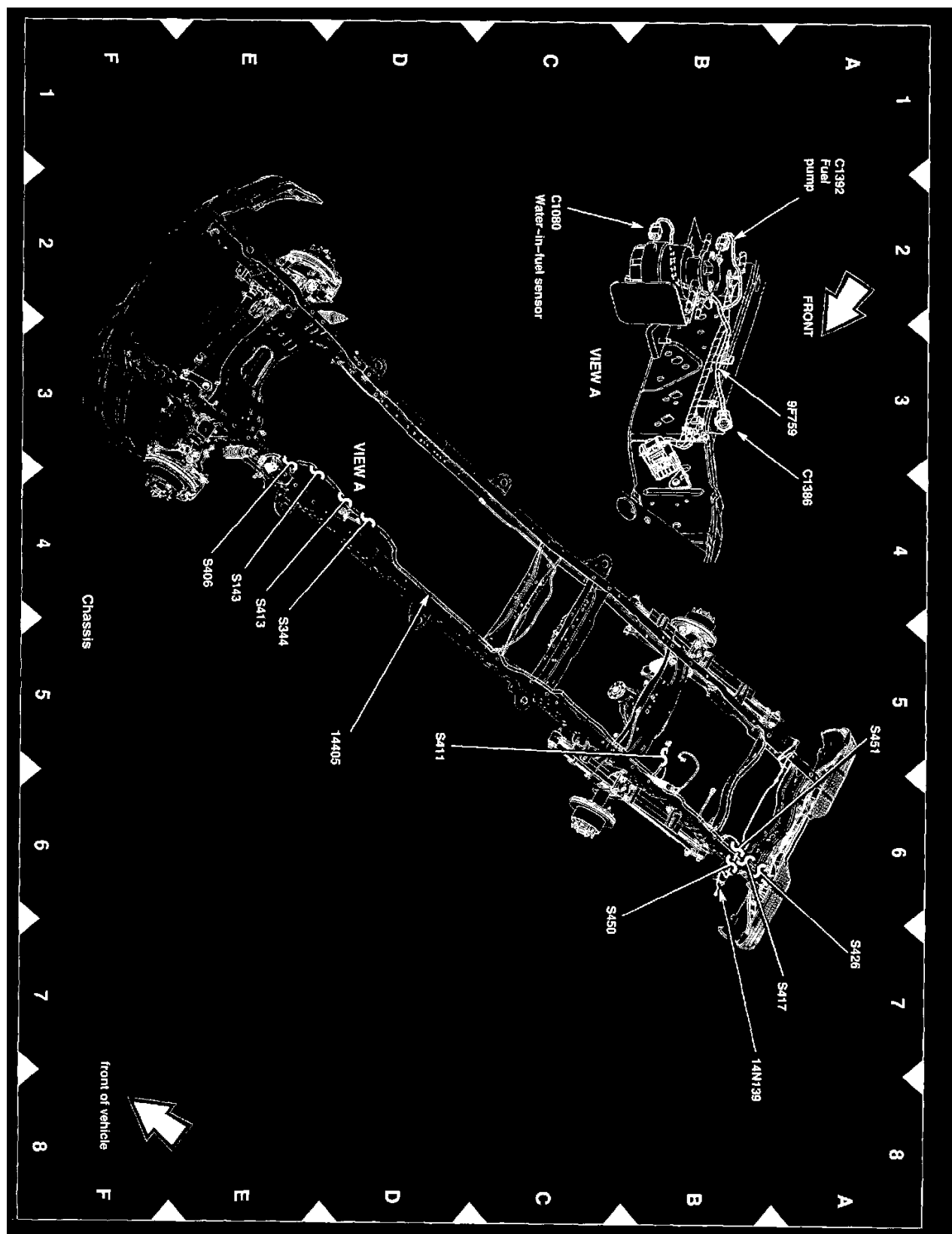
View 151-29 (Roof, RH Side, Rear)



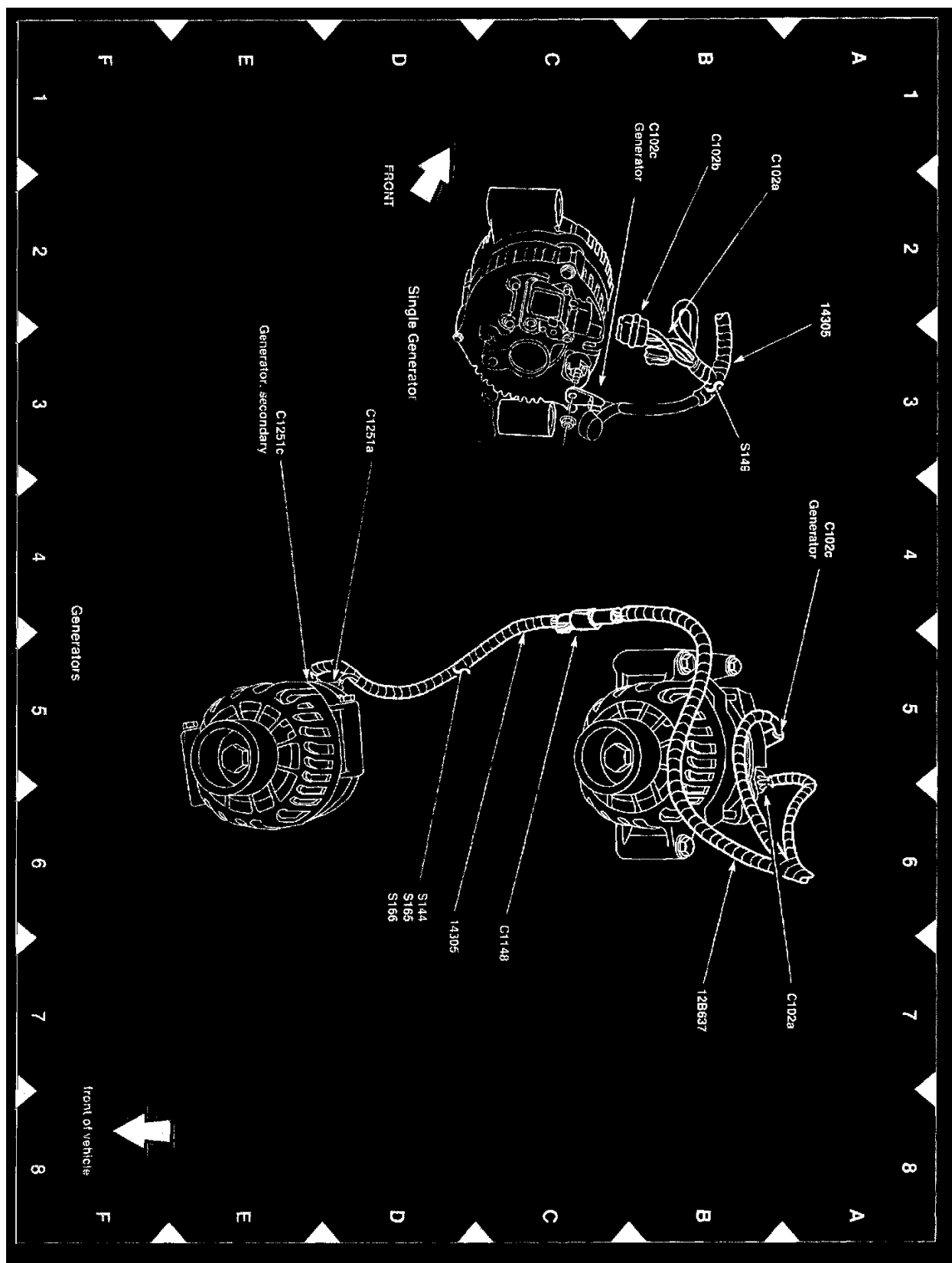
View 151-30 (Front HVAC)



View 151-31 (Chassis)



View 151-32 (Chassis)



View 151-33 (Generators)