

Note

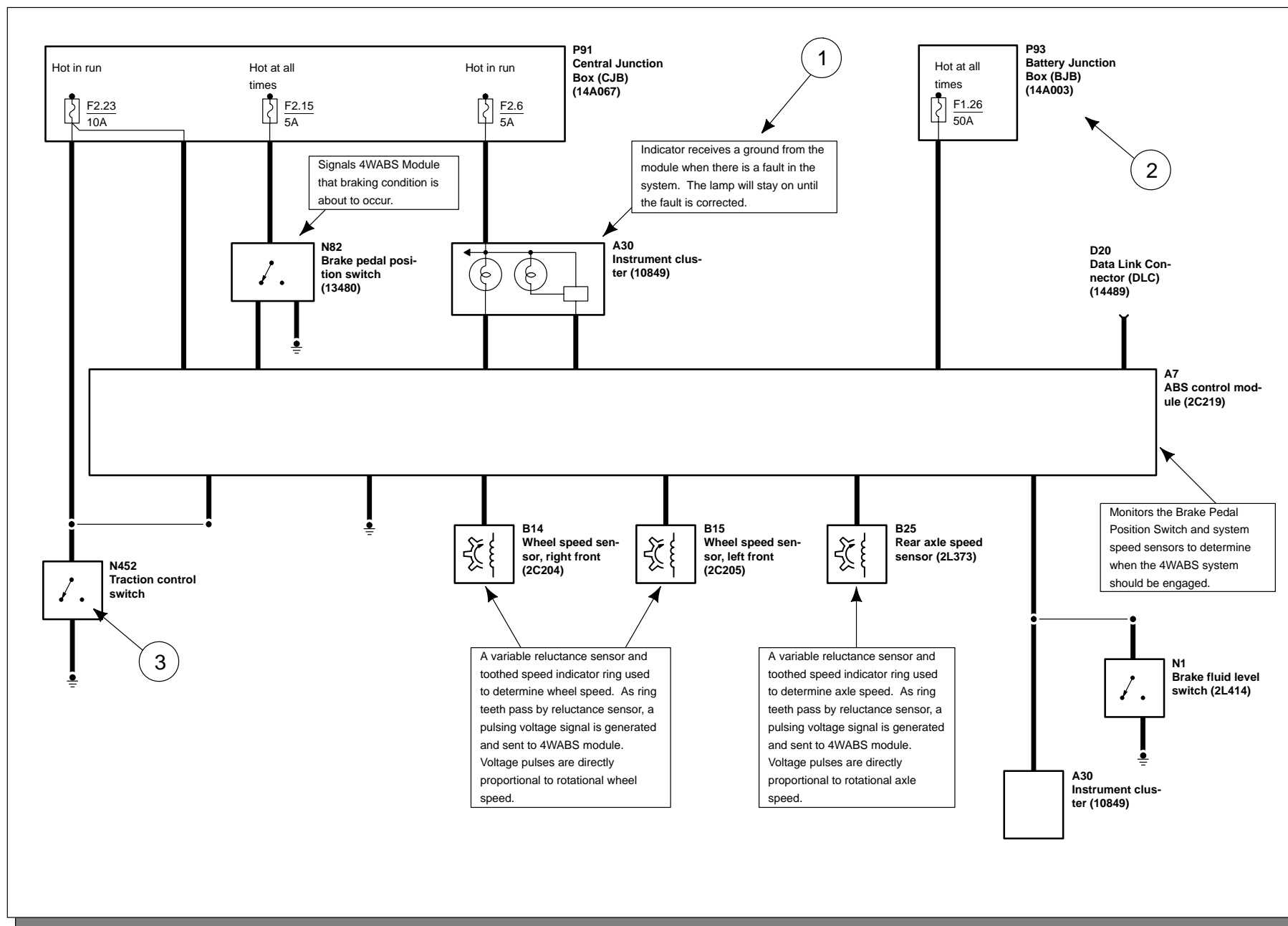
All wiring connections between components are shown exactly as they exist in the vehicles. It is important to realize, however, that no attempt has been made on the schematic to represent components and wiring as they physically appear on the vehicle. For example, a 4-foot length of wire is treated no differently in a schematic from one which is only a few inches long. Furthermore, to aid in understanding electrical (electronic) operation, wiring inside complicated components has been simplified.

Complete Circuit Operation

Each circuit is shown completely and independently in one cell. Other components which are connected to the circuit may not be shown unless they influence the circuit operation.

System Overview

Each major vehicle system includes a complete system overview prior to each set of schematic pages. It is important to realize that this is only a high level overview of the complete system connectivity. It includes component operational information (1), component name and base part number (2), and basic component internals (3). It does not include specific circuit information, connector or pin numbers, splices or grounds. That information is found on the schematic pages.



Current Flow (1)

Each cell normally starts with the component that powers the circuit such as a fuse or the ignition switch. Current flow is shown from the power source at the top of the page to ground at the bottom of the page. In order to concentrate on the essential parts, power supply and ground connections are sometimes simplified by a dashed line in the schematics. A full representation of the power supply of a fuse or the power distribution from a fuse to various components is given in cell 13 “Power Distribution”. Full representation of the ground connections are shown in cell 10 “Grounds”.

Switch Positions (2)

Within the schematic, all switches, sensors and relays are shown “at rest” (as if the Ignition Switch were OFF).

Splices (3)

A dashed line indicates that the splice is not shown completely. A reference is given to the page where the splice appears in full. It is also listed in the Index.

Component Referencing (4)

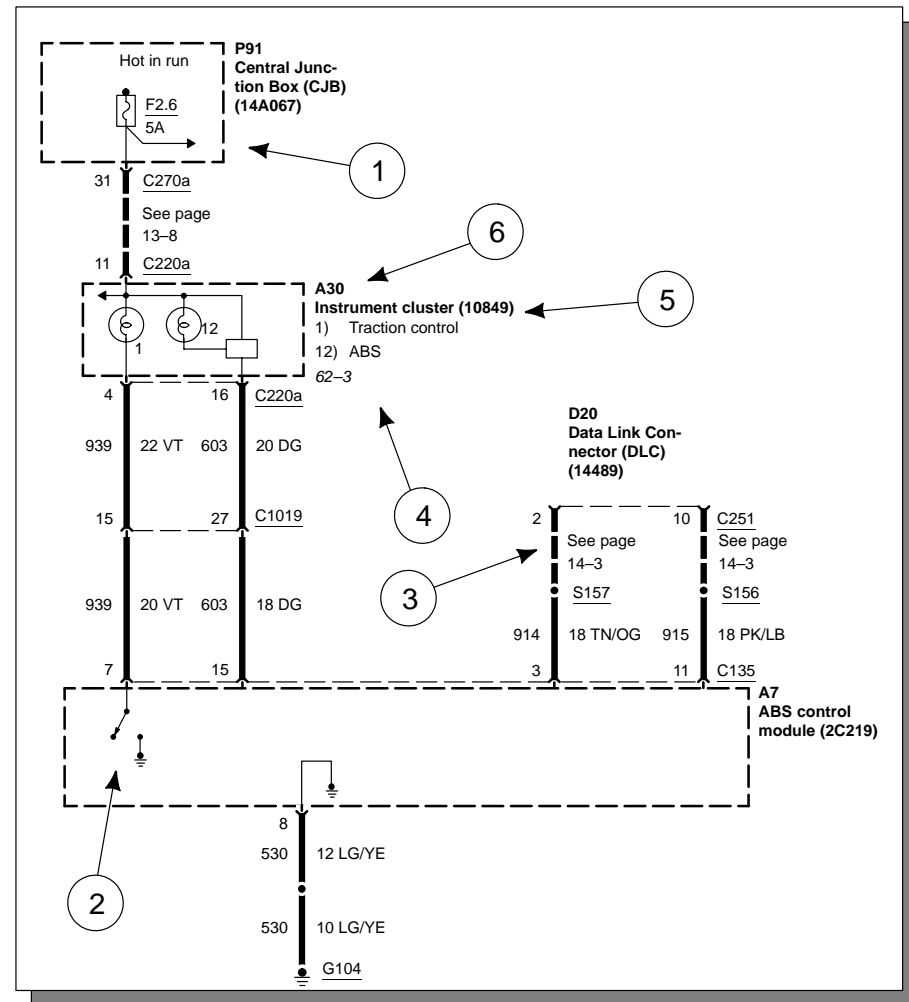
Each component on a schematic has a reference to the component location view for that component. It is located to the right of each component.

Component Names, Notes and Base Part Numbers (5)

Component names are placed on the right hand side of each component. Any notes that describe switch positions or operating conditions follow the name. Descriptions of the internals of the component are also included here. The page where the component appears in full is listed in the Index. The base part number for a component is listed in parentheses next to or under a component. These part numbers will appear any place the component name appears in the publication.

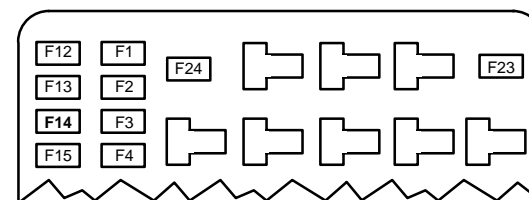
Component Identification Numbers (6)

Each component on each schematic has a component identification number located to the upper right hand side of the component. By finding this number in the Component Location Chart, the Component Location View for that component can easily be found.



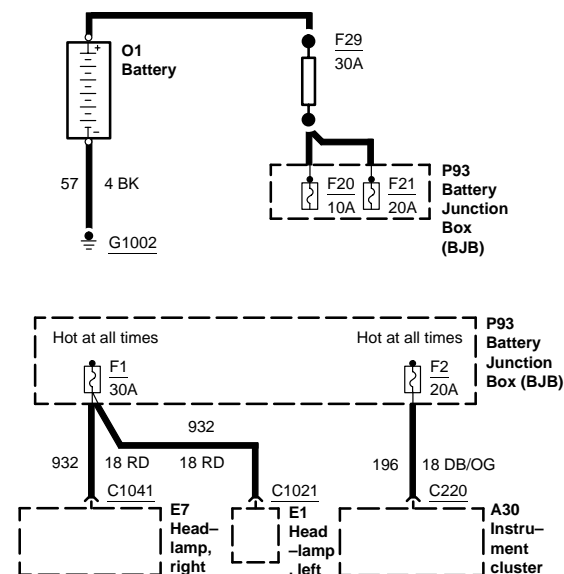
Fuse and Relay Information

Cell 11 “Fuse and Relay Information” contains a view of the fuse-/relay box in which all fuses and relays are identified.



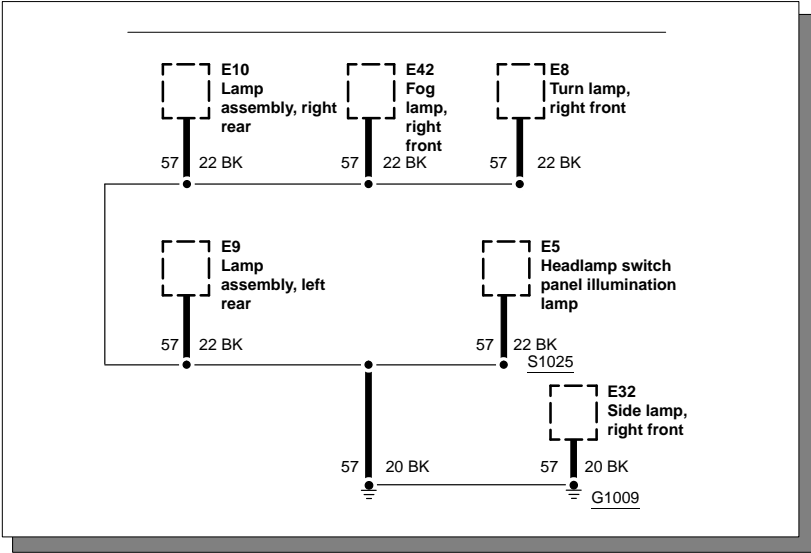
Power Distribution

Cell 13 “Power Distribution” 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

Cell 10 “Grounds” contains the schematics 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 cell schematics as uncluttered as possible.



Component and Connector Information

Cell 152 “Component Location Charts” helps the user find where the various items depicted on the schematic 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.

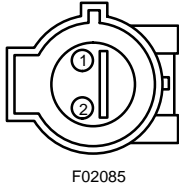
Cell 151 “Component Location Views” show the components and their connecting wires as they can be found on the vehicle.

Cell 150 “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 connector view and below the connector number. The circuit function charts are located below each connector. The wiring harness designations are listed in cell 152 “Component Location Charts”.

C150

12A581

B15
Wheel speed sensor, left front (2C205)

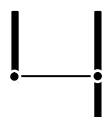


Pin	Circuit	Circuit Function
1	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
2	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

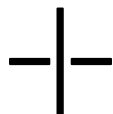
WARNINGS

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

4-1 Symbols



Distributed splice



Crossed wiring without connection



Splice



Removable connection



Ground



Connector



Female connector



Male connector



Entire component



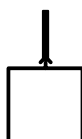
Part of a component



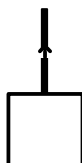
Component case directly attached to metal part of vehicle (ground)



Component with screw terminals



Connector attached to component



Connector attached to component lead (pigtail)



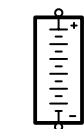
Resistor or heating element



Potentiometer (pressure or temperature)



Potentiometer (outside influence)



Battery



Fuse



Circuit breaker



Heating element, Conductor loop



Ignition coil assembly



Buzzer



Antenna



Solenoid controlled valve
or clutch solenoid



Air bag sliding contact
(14A664)



Permanent magnet,
one-speed-motor



Light emitting diode
(LED)



Diode, current flows in
direction of arrow



Permanent magnet,
two-speed-motor



Capacitor



Transistor



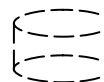
Rotational sensor



Variable capacitor



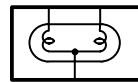
Lamp



Shield



Piezoelectric sensor



Bifilament lamp



Signal horn or speaker



Coil

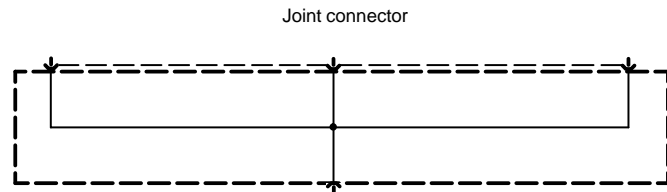


Gauges

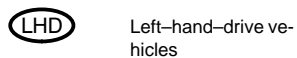
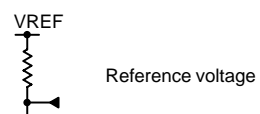
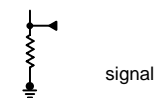


Fusible link

4-3 Symbols



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



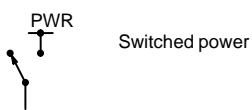
VBATT Battery voltage

VPWR Switched or module voltage

SCP + Standard Corporate Protocol (SCP) data +

SCP - Standard Corporate Protocol (SCP) data -

ISO Data bus ISO 9141 (K-line)

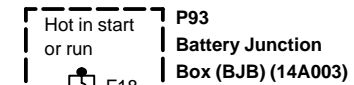
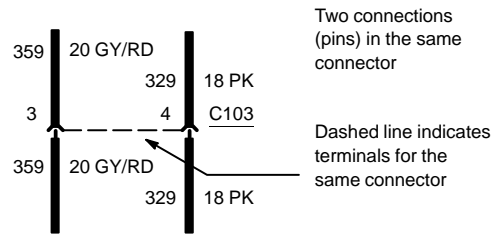


Country code



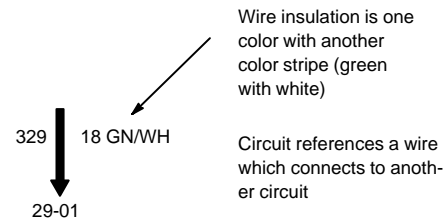
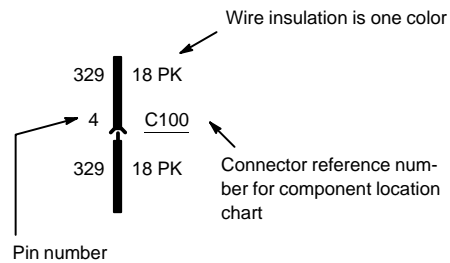
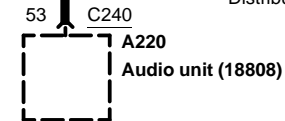
A thick dashed line represents 2 or more wires

A thin dashed line represents a continuation

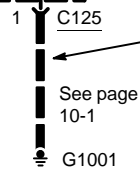
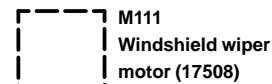
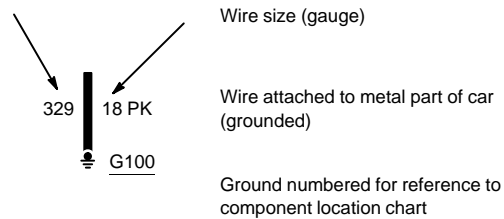


See page 13-1

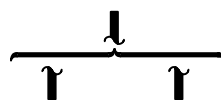
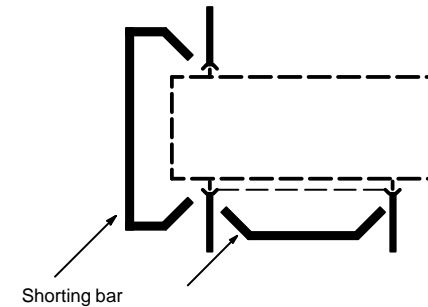
Other circuits which share fuse 18, but are not shown, can be referenced in Power Distribution



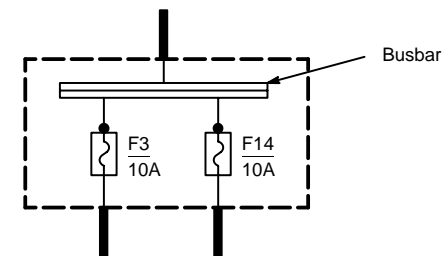
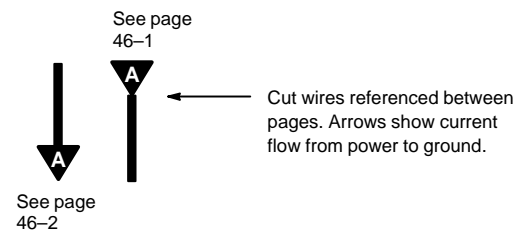
Circuit number



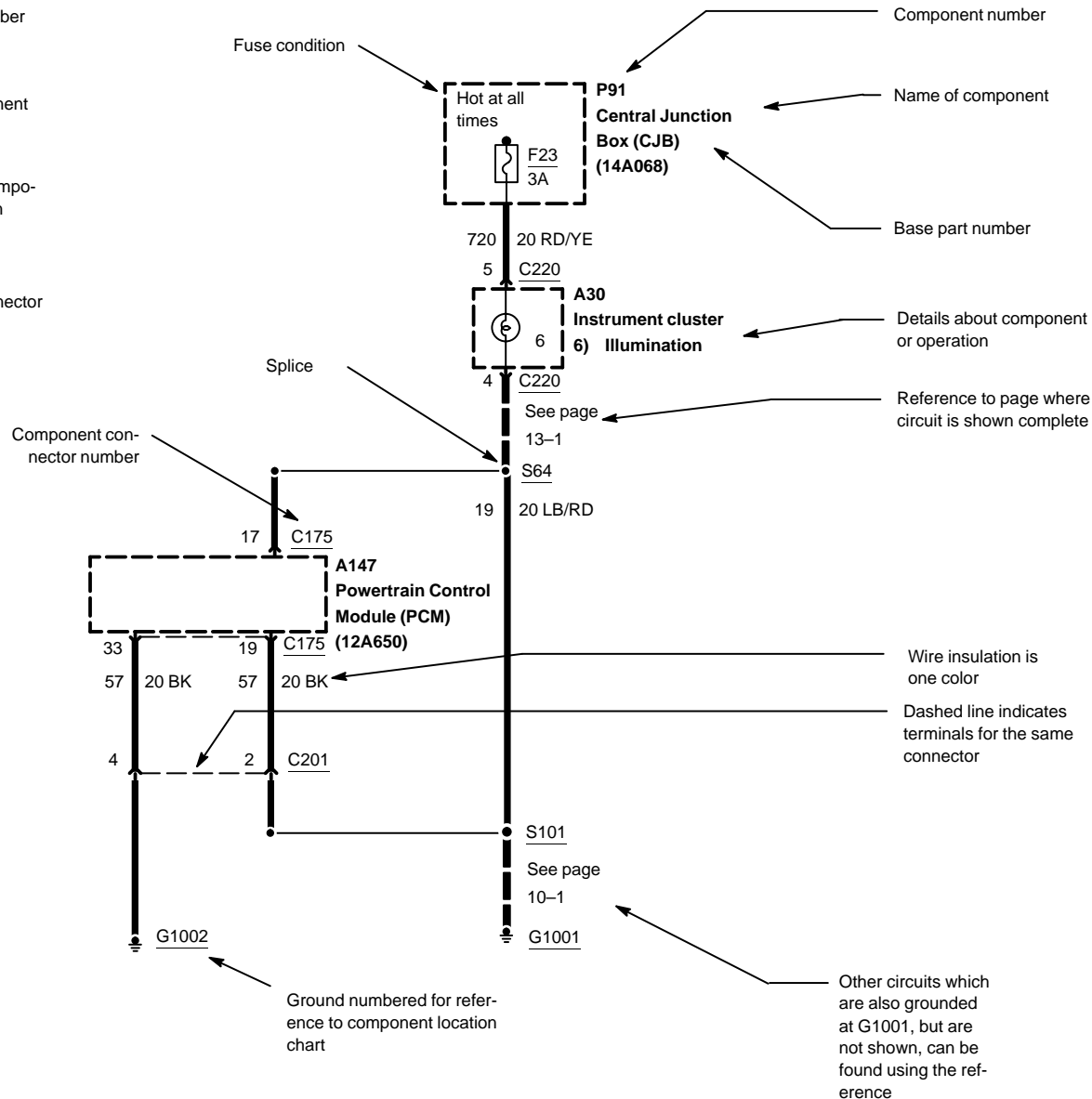
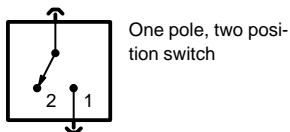
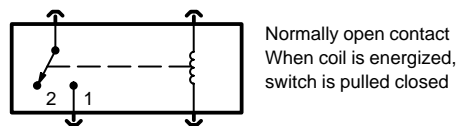
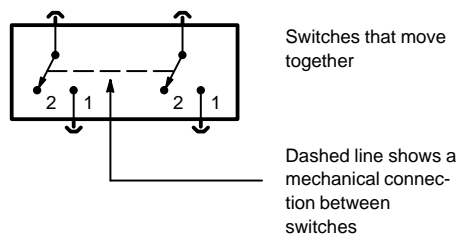
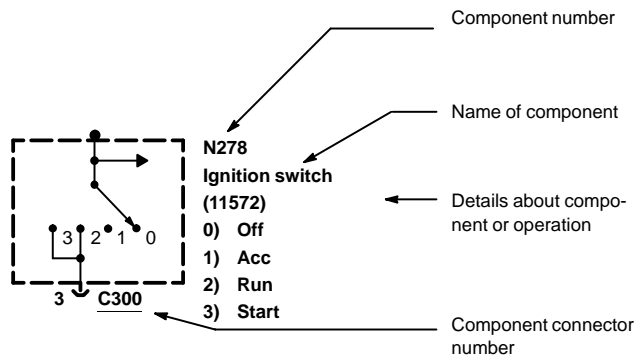
Other circuits which are also grounded at G1001, but are not shown, can be referenced in Grounds



A choice bracket shows wiring differences between models, countries or options



4-5 Symbols



Troubleshooting wiring harness and connector hidden concerns

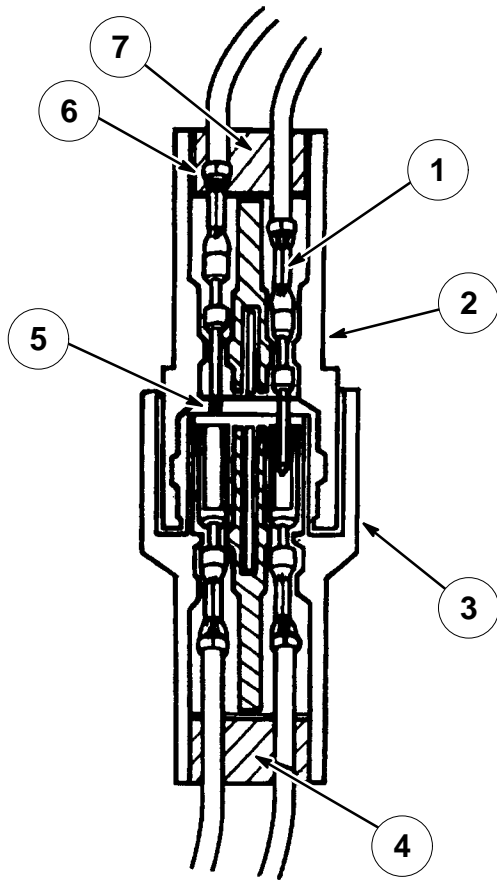
The following illustrations are known examples of wiring harness, splices and connectors that will create intermittent electrical concerns. The concerns are hidden and can only be discovered by a physical evaluation as shown in each illustration.

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

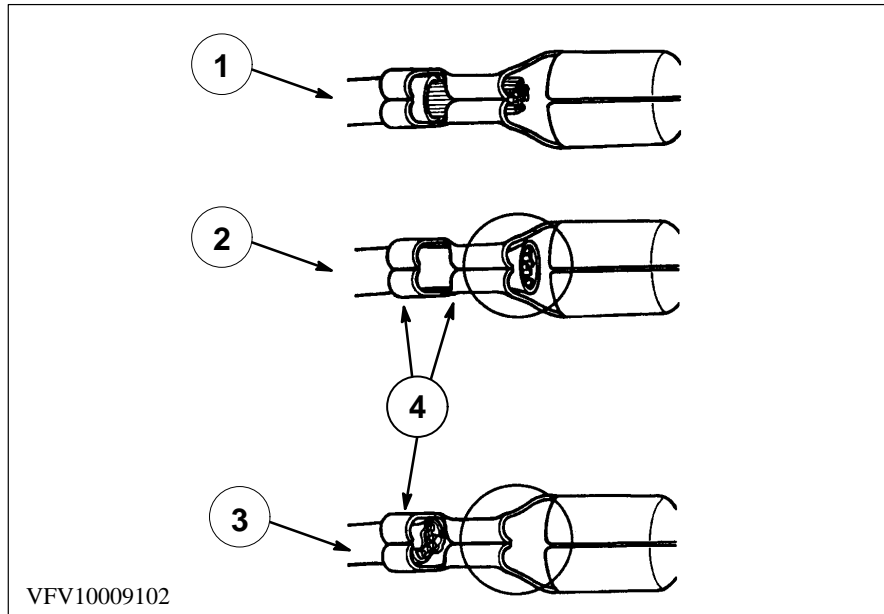
Terminal not properly seated

- 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.

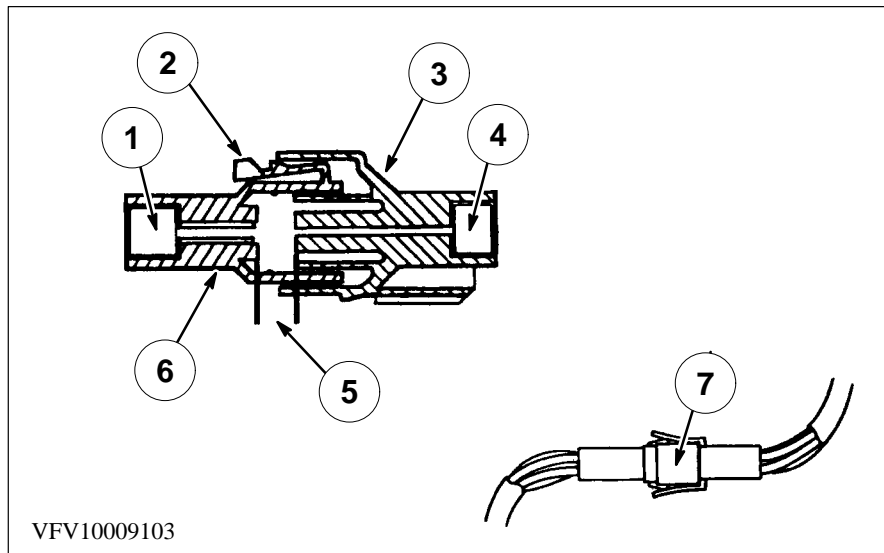


VFV10009101



Defective insulation stripping

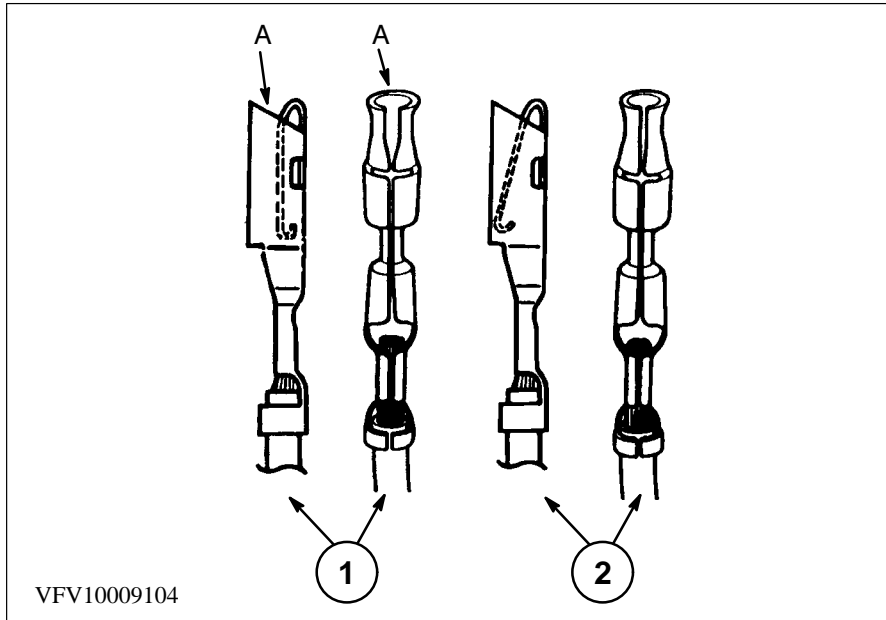
- 1 = Proper crimp
- 2 = Insulation not removed
- 3 = Wire strands missing
- 4 = Intermittent signals through pierced insulation



Partially mated connectors

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

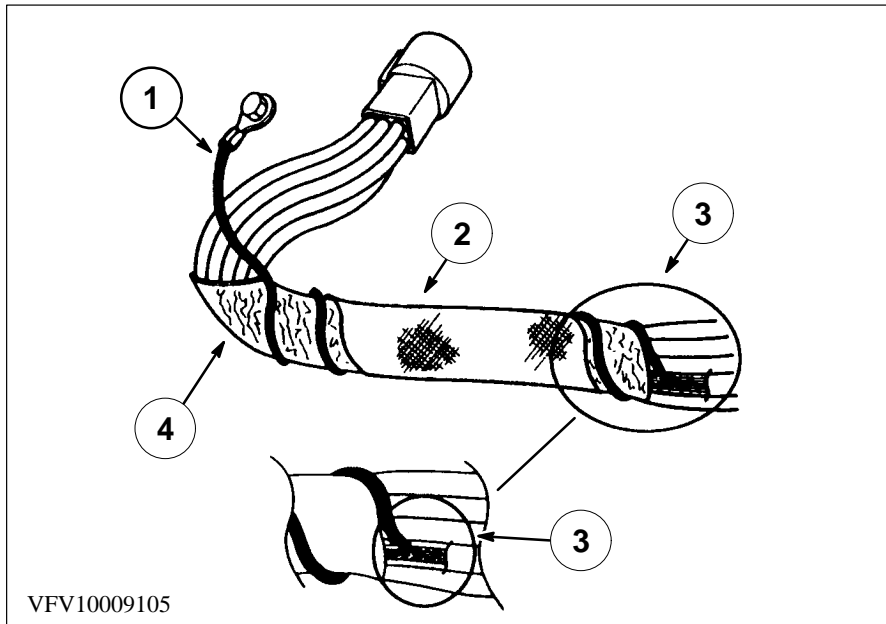
Lock may be displaced into an unlocked position; pull on the connector to verify the lock.



Deformed (enlarged) female terminals

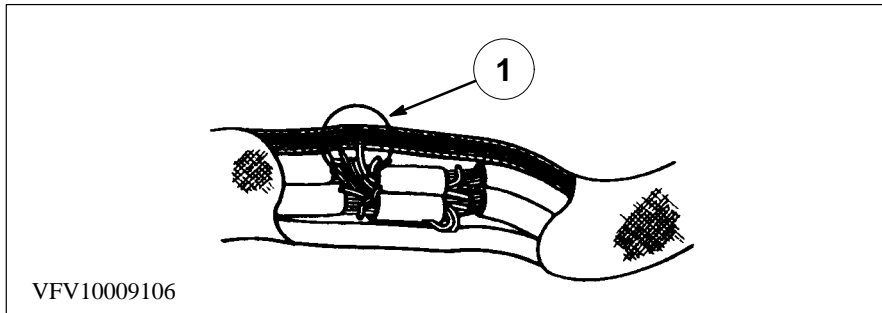
- 1 = Enlarged
- 2 = Normal

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.



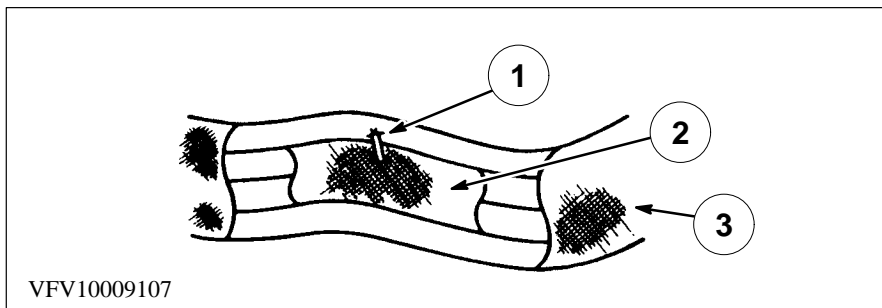
Electrical short inside the harness

- 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

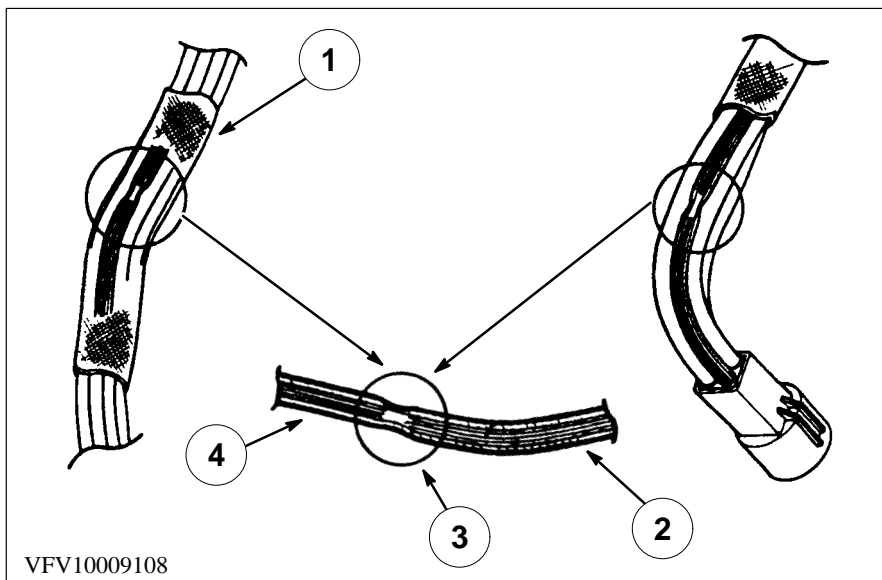


Splice covered

1 = Wire strand

2 = Splice tape

3 = Harness tape

**Broken wire strands in harness**

1 = Wiring harness tape

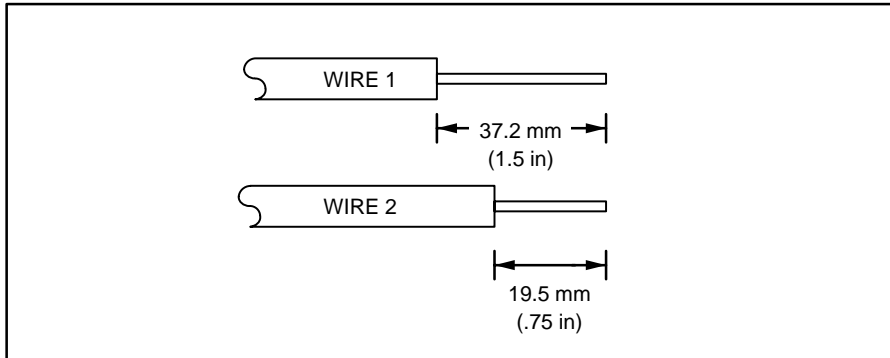
2 = Wiring strand

3 = Broken strands intermittent signal

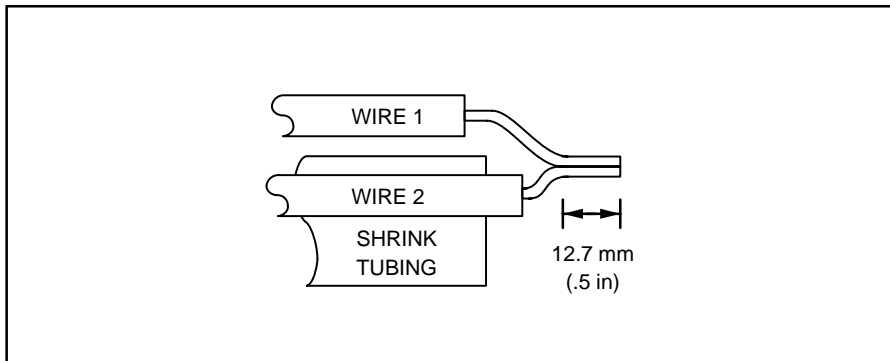
4 = Circuit insulation

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

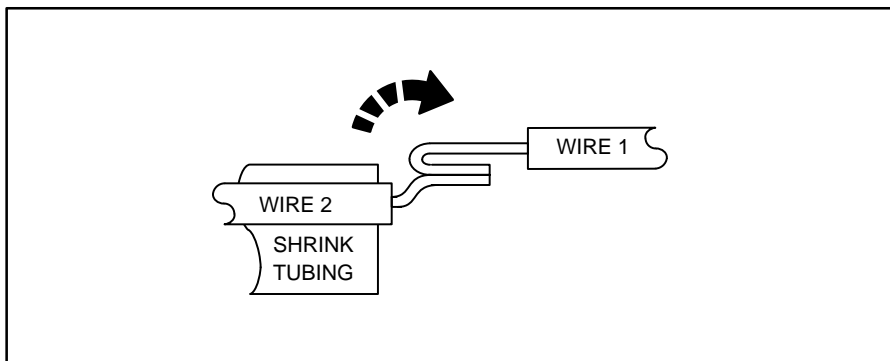
Recommended splicing method



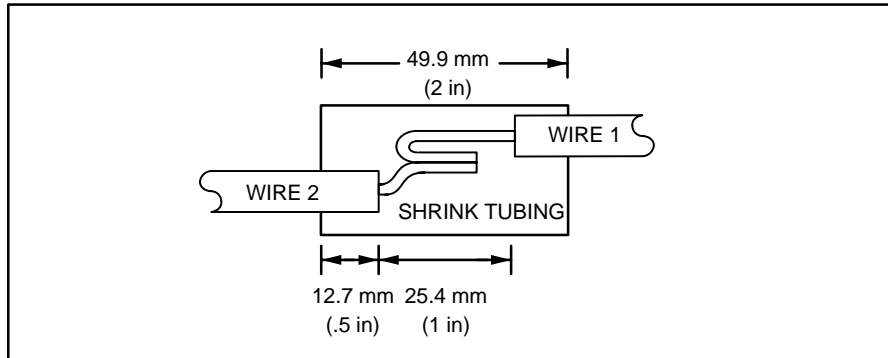
1. Disconnect battery ground cable.
2. Strip wires to appropriate length.



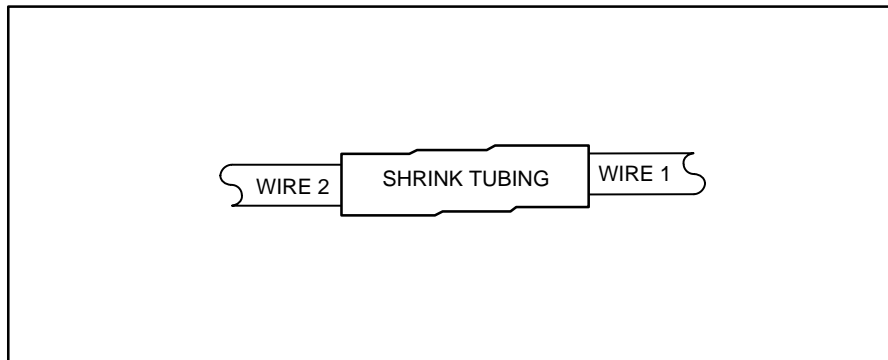
3. Install heat shrink tubing.
4. Twist wires together.
5. Solder wires together.
NOTE: Use rosin core mildly-activated (RMA) solder. Do not use acid core solder.



6. Bend Wire 1 back in a straight line.
NOTE: Wait for solder to cool before moving wires.

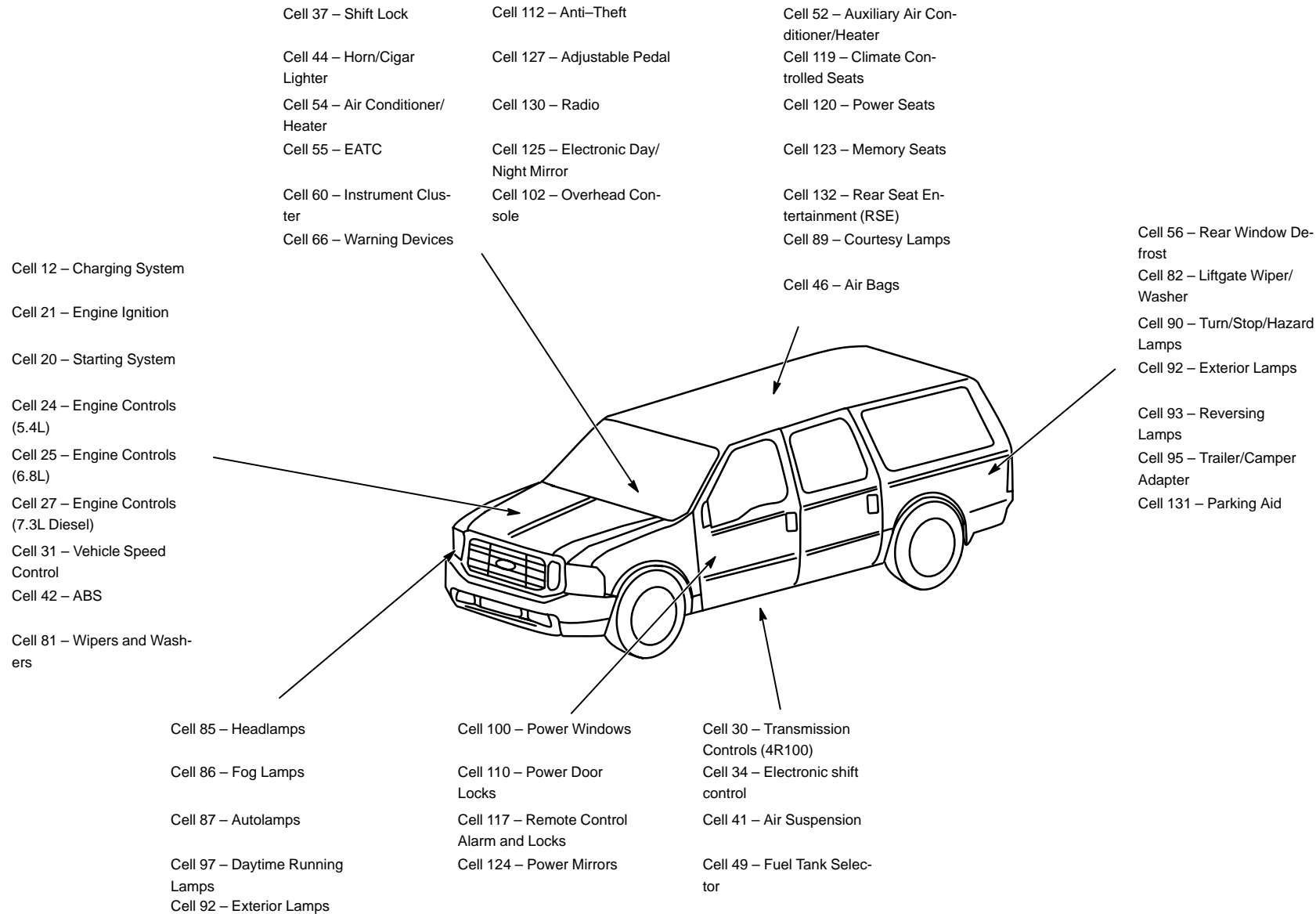


7. Evenly position heat shrink tubing over wire repair.
NOTE: Overlap tubing on both wires.

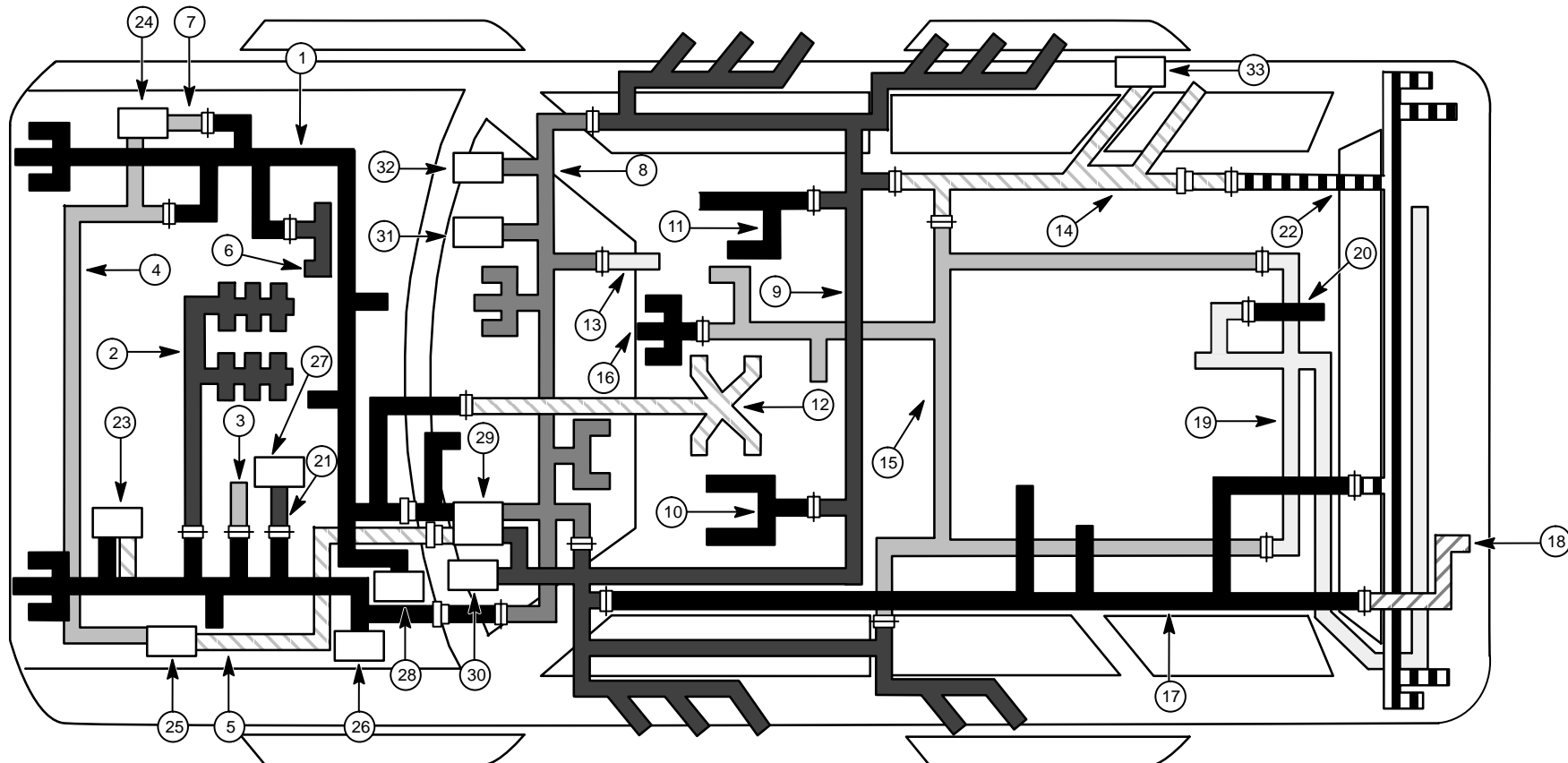



8. Use heat gun to heat the repaired area until adhesive flows out of both ends of heat shrink tubing.
9. Reconnect battery ground cable.

8-1 Systems Overview



Excursion



-  Connector
-  Grommet

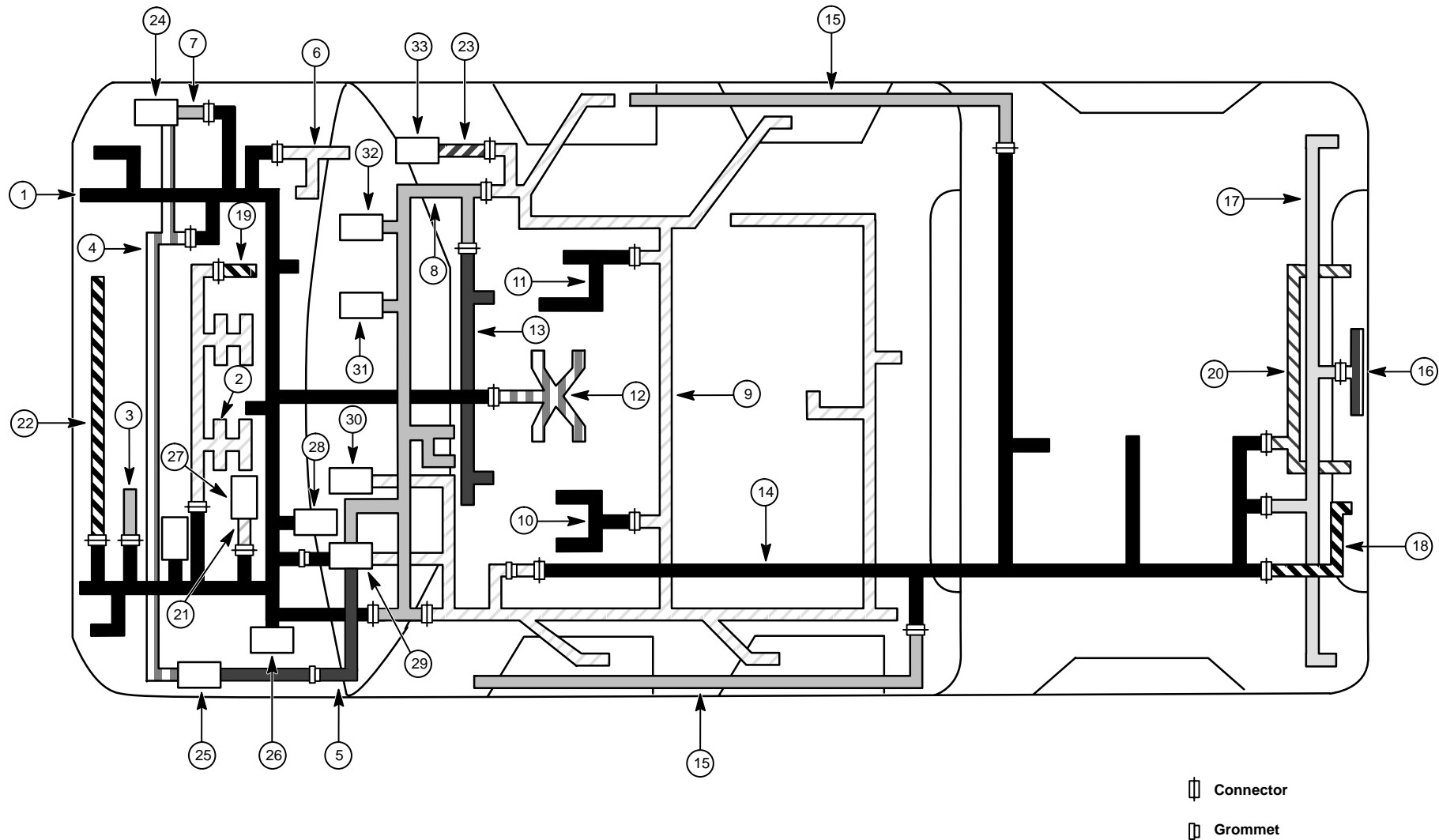
Excursion

Item	Part Number	Description
1	12A581	Wiring harness – Engine control sensor
2	12B637	Wiring harness – Engine control sensor and fuel charge
3	12A690	Wiring harness – Engine Control
4	14B060	Wiring harness – Starter motor relay and battery ground
5	14300	Wiring harness – Battery output
6	14305	Wiring harness – Alternator to battery
7	14B060	Wiring harness – Starter motor relay and battery ground
8	14401	Main wiring harness
9	14A005	Wiring harness – Body Main
10	14A699	Wiring harness – Seat regulator – with memory
	14B084	Wiring harness – Seat regulator – without memory
11	14B084	Wiring harness – Seat regulator
12	15525	Wiring harness – Powertrain Transmission Control Systems
13	14B079	Wiring harness – Center console
14	14A504	Wiring harness – Body Main
15	14335	Wiring harness – Interior illumination
16	14334	Wiring harness – Interior lamps

Item	Part Number	Description
17	14405	Wiring harness – Tail lamps
18	13A576	Wiring harness – Trailer lamp feed
19	14086	Wiring harness – Door warning switch
20	13A625	Wiring harness – High mounted stoplamp
21	13K027	Wiring harness – DTRL kit
22	13A409	Wiring harness – Tail lamps
23	–	ABS control module (2C219)
24	–	Battery (10655)
25	–	Battery II
26	–	Auxiliary relay box 1
27	–	Auxiliary relay box 2
28	–	Powertrain Control Module (PCM) (12A650)
29	–	Central Junction Box (CJB) (14A068)
30	–	Vehicle Security Module (VSM)
31	–	Electronic Automatic Temperature Control (EATC) module (19980)
22	–	Four-wheel drive control module
33	–	Parking Aid Module (PAM) (15K866)

9-3 Wiring Harness Overview

Pickup

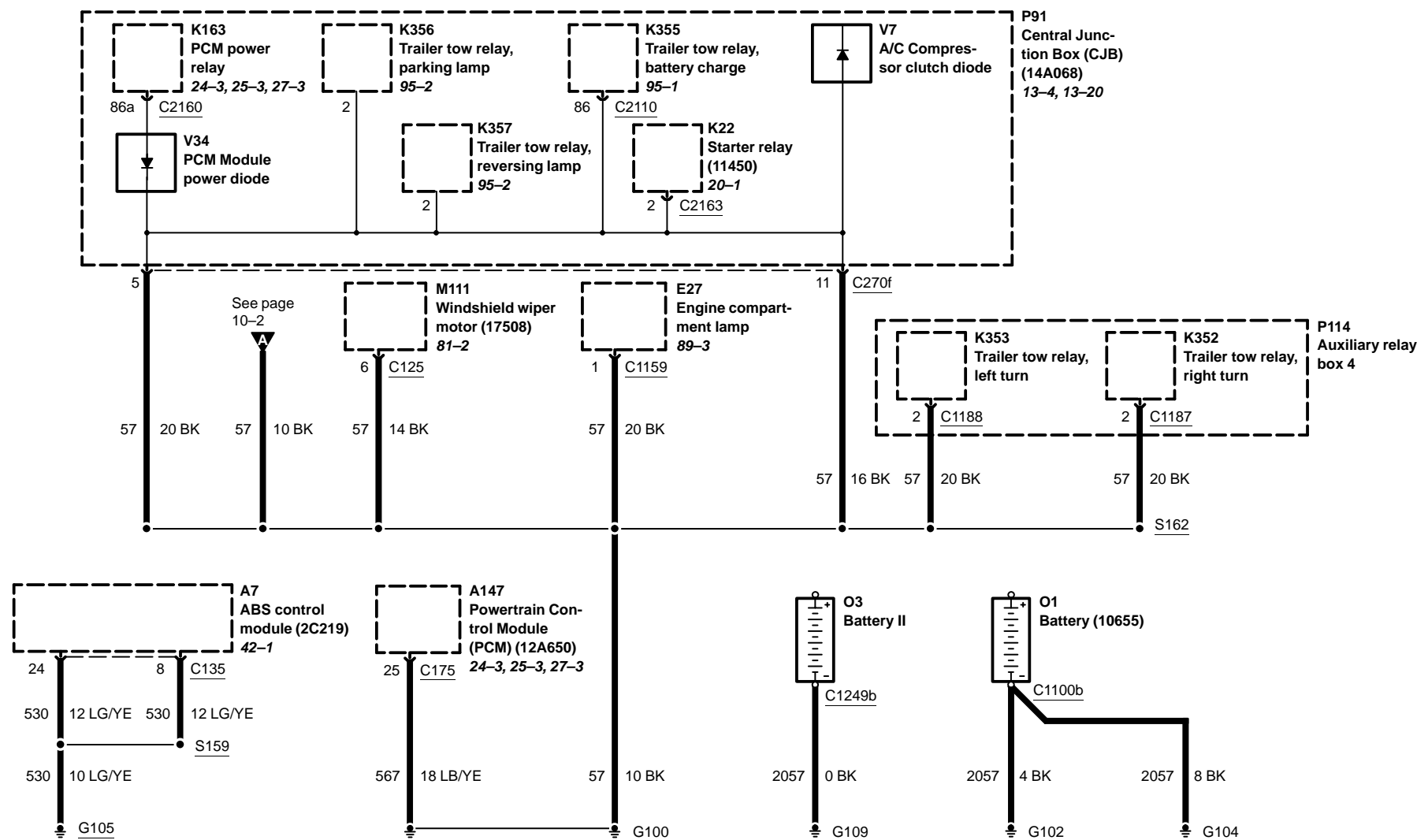


Pickup

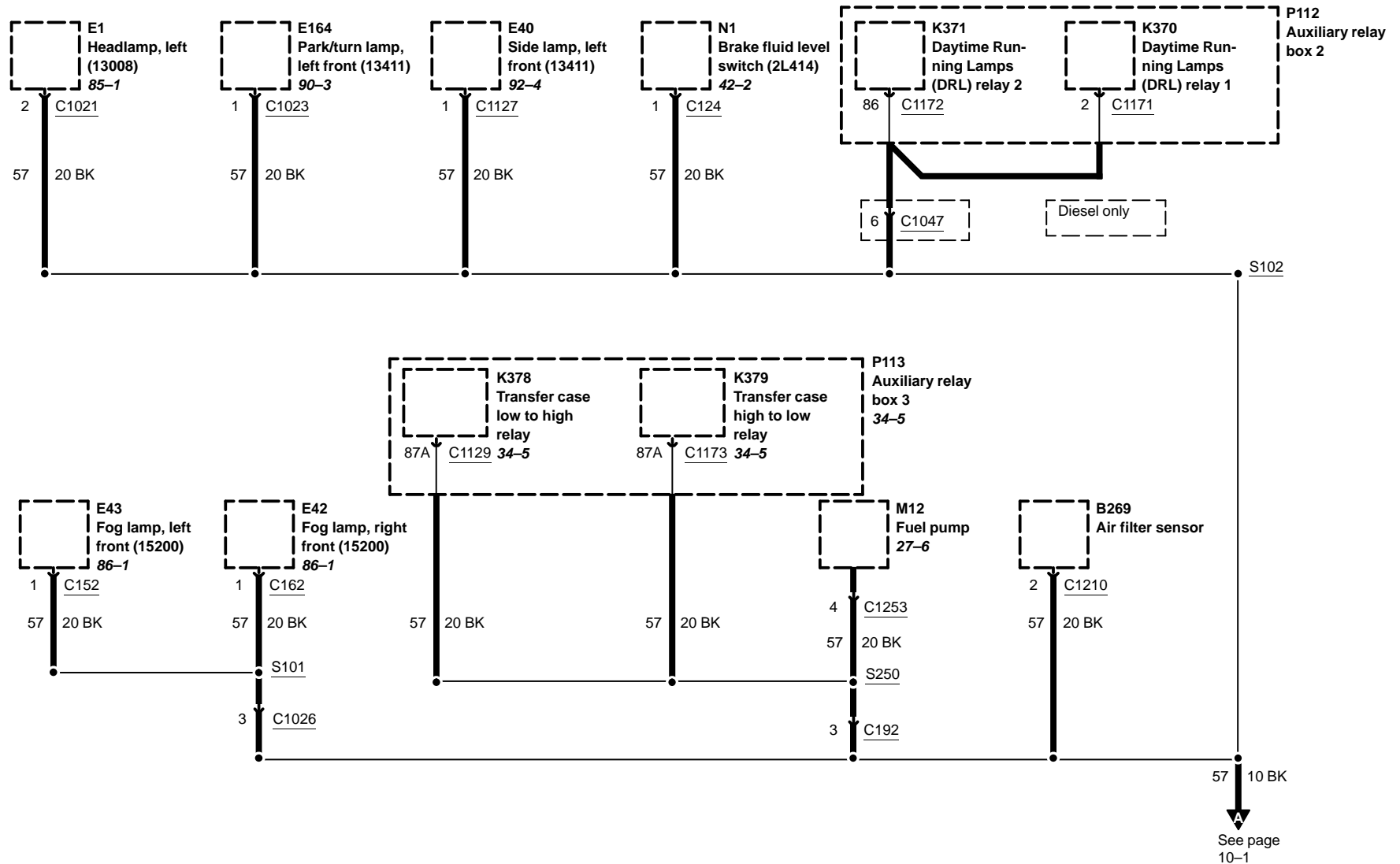
Item	Part Number	Description
1	12A581	Wiring harness – Engine control sensor
2	12B637	Wiring harness – Engine control sensor and fuel charge
3	12A690	Wiring harness – Engine Control
4	14B060	Wiring harness – Starter motor relay and battery ground
5	14300	Wiring harness – Battery output
6	14305	Wiring harness – Alternator/Rectifier system
7	14B060	Wiring harness – Starter motor relay and battery ground
8	14401	Main wiring harness
9	14A005	Wiring harness – Body Main
10	14B084	Wiring harness – Seat regulator
11	14B084	Wiring harness – Seat regulator
12	15525	Wiring harness – Powertrain Transmission Control Systems
13	17C712	Wiring harness – Rear view inside mirror
	15A404	Wiring harness – Marker lamp to switch
14	14405	Wiring harness – Tail lamps
15	19F504	Wiring harness – running board lamps
16	13412	Wiring harness – Rear license plate lamp

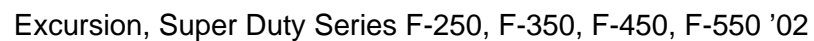
Item	Part Number	Description
17	13A409	Wiring harness – Tail lamps
18	13A576	Wiring harness – Trailer lamp feed
19	14B102	Wiring harness – Cylinder head sensor jumper
20	14N139	Wiring harness – Parking/Reversing Aid
21	13K027	Wiring harness – DTRL kit
22	15A211	Wiring harness – Fog lamp jumper
23	15K867	Wiring harness – Parking aid sensor, front
24	–	Battery (10655)
25	–	Battery II
26	–	Auxiliary relay box 1
27	–	Auxiliary relay box 2
28	–	Powertrain Control Module (PCM) (12A650)
29	–	Central Junction Box (CJB) (14A068)
30	–	Vehicle Security Module (VSM)
31	–	Electronic Automatic Temperature Control (EATC) module (19980)
22	–	Four-wheel drive control module
33	–	Parking Aid Module (PAM) (15K866)

Excursion, G100, G102, G104, G105

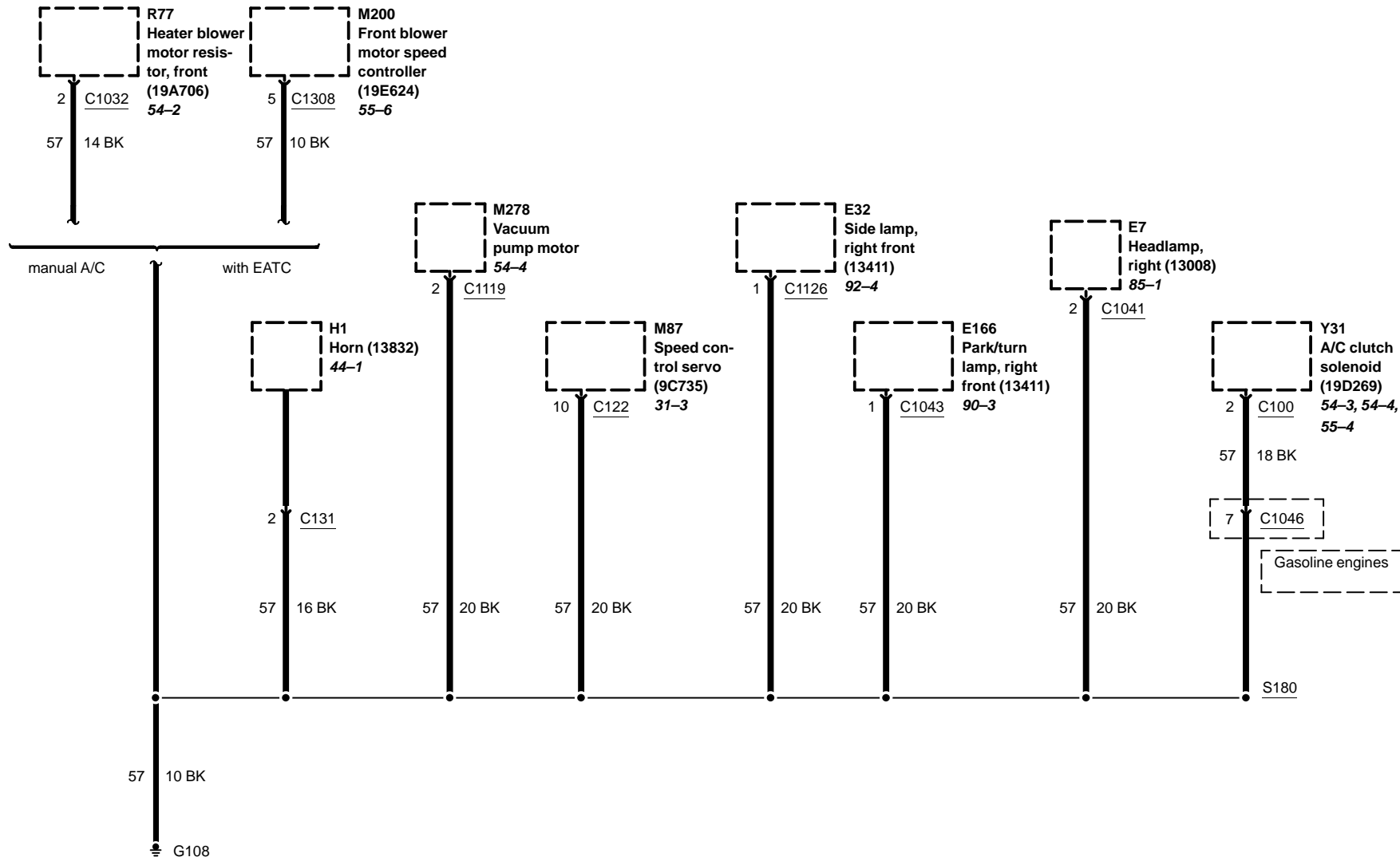


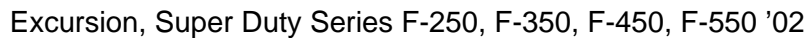
Excursion



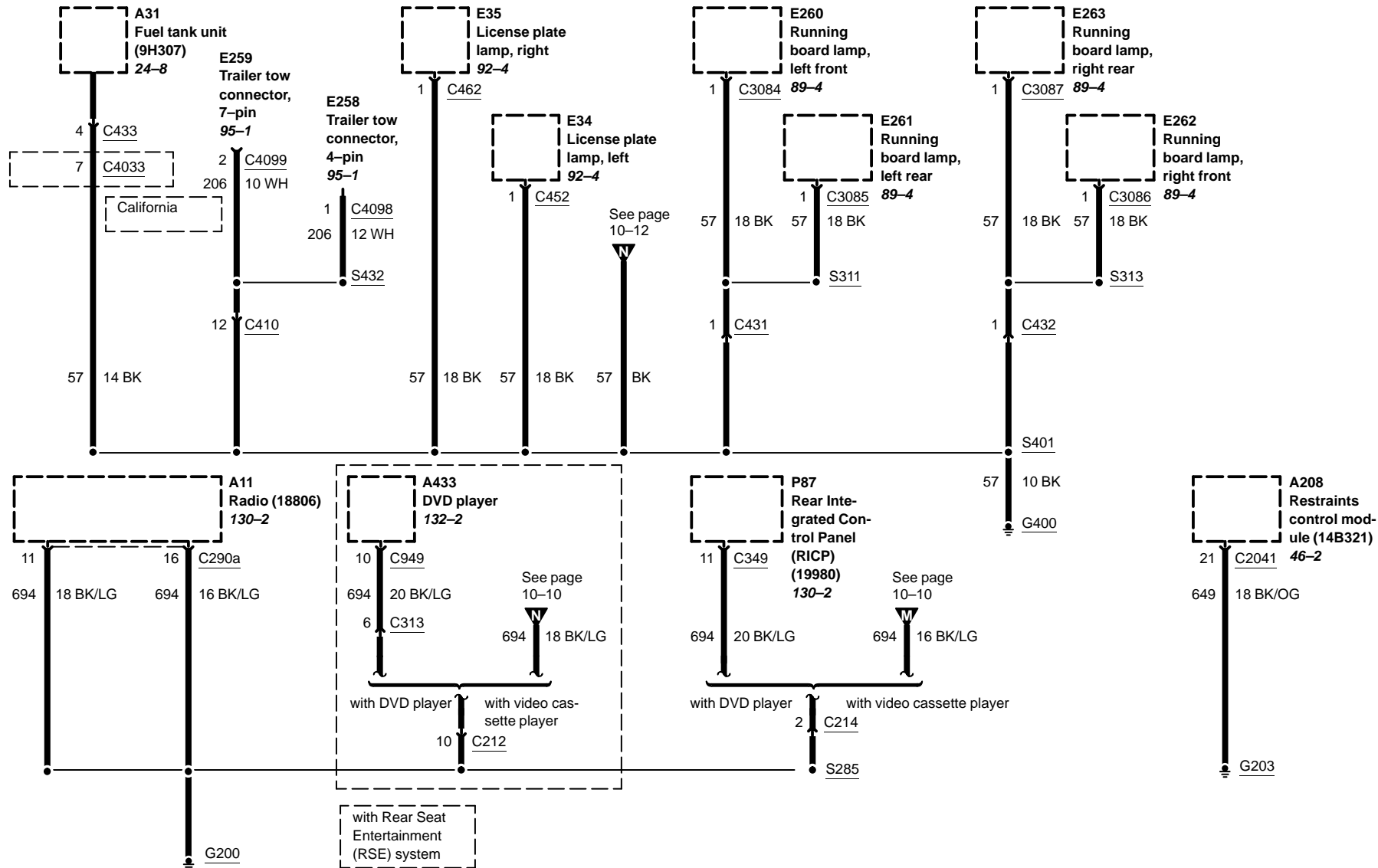


Excursion, G108

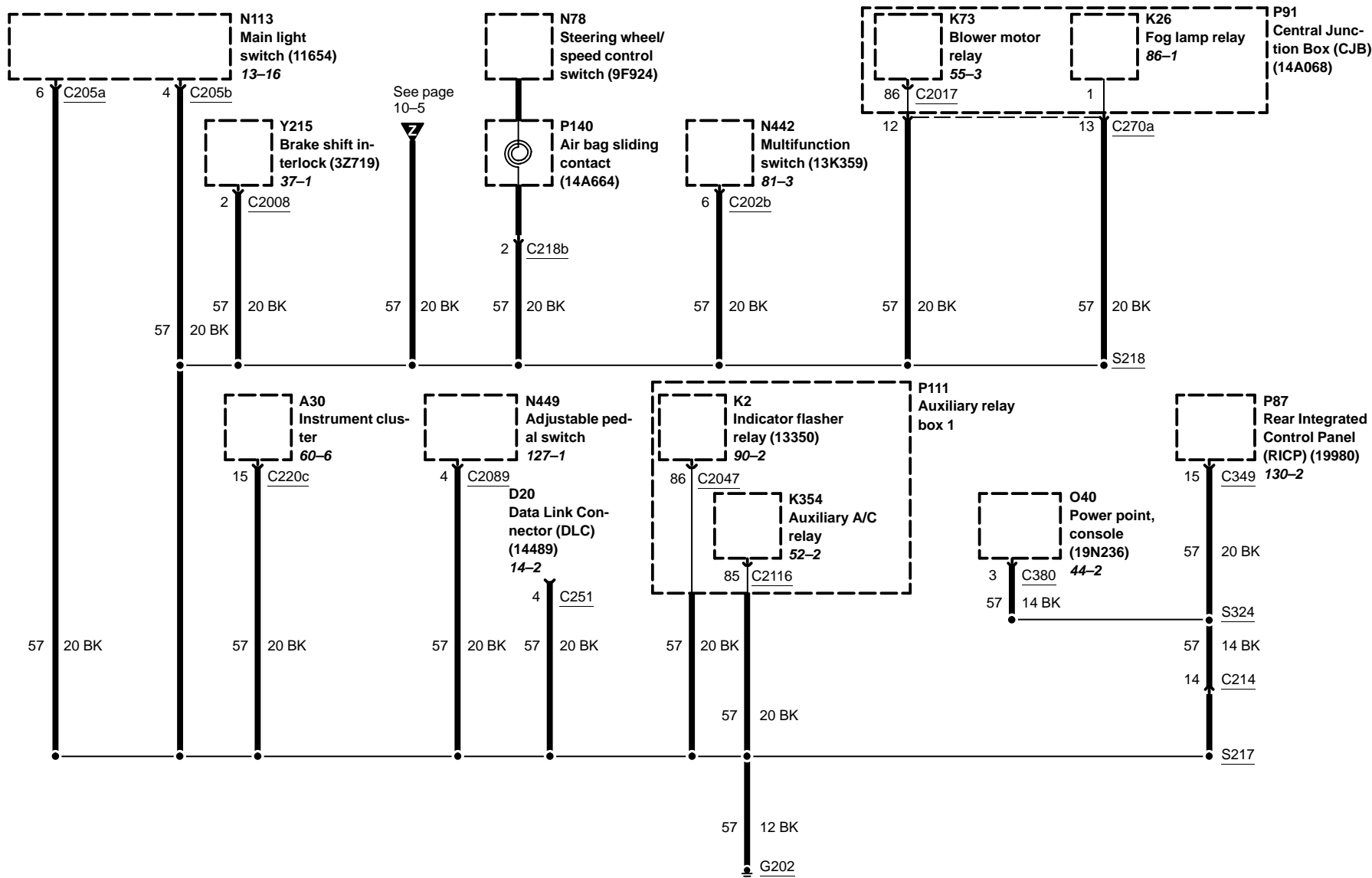




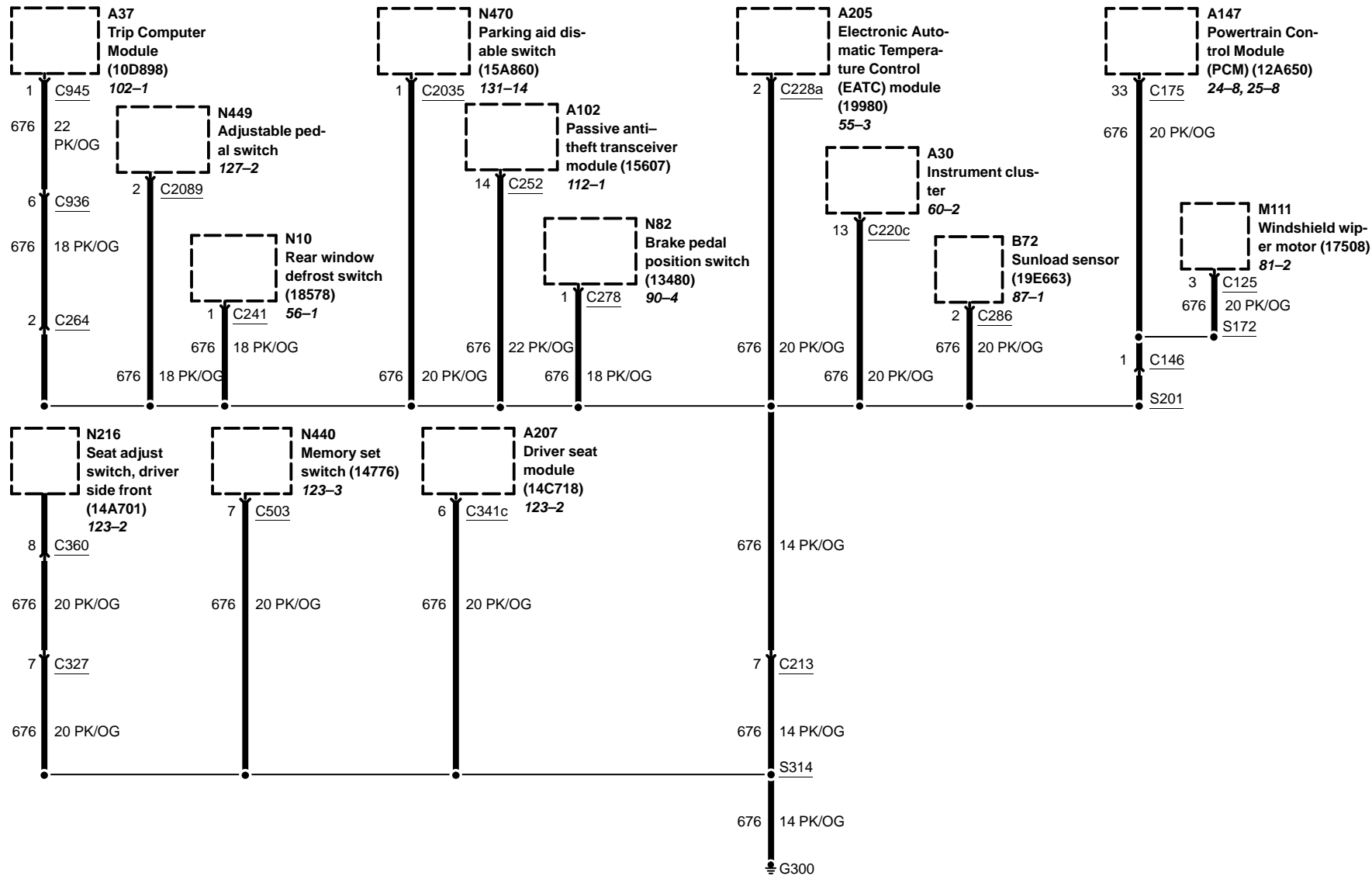
Excursion, G200, G203, G400



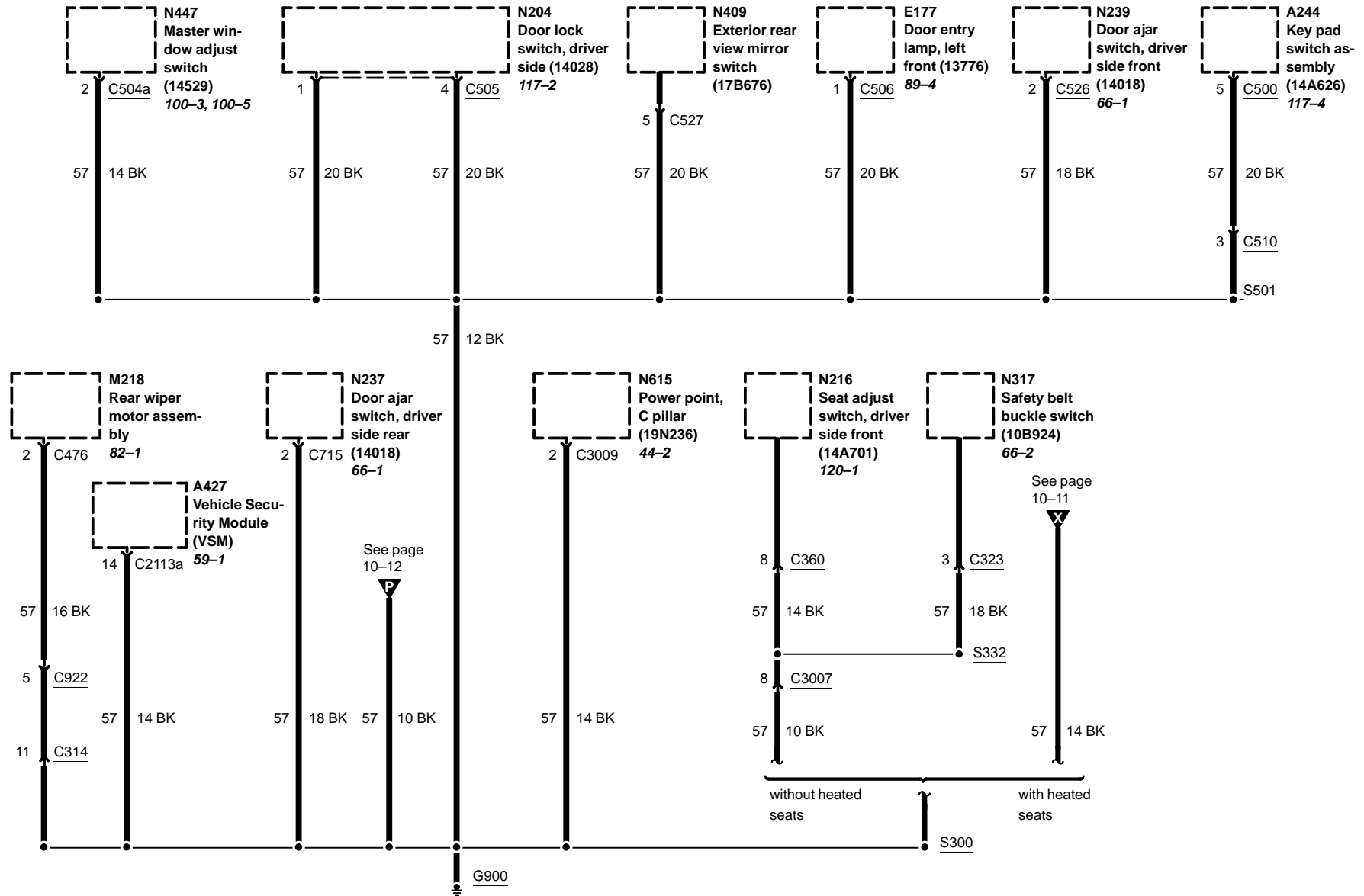
Excursion, G202



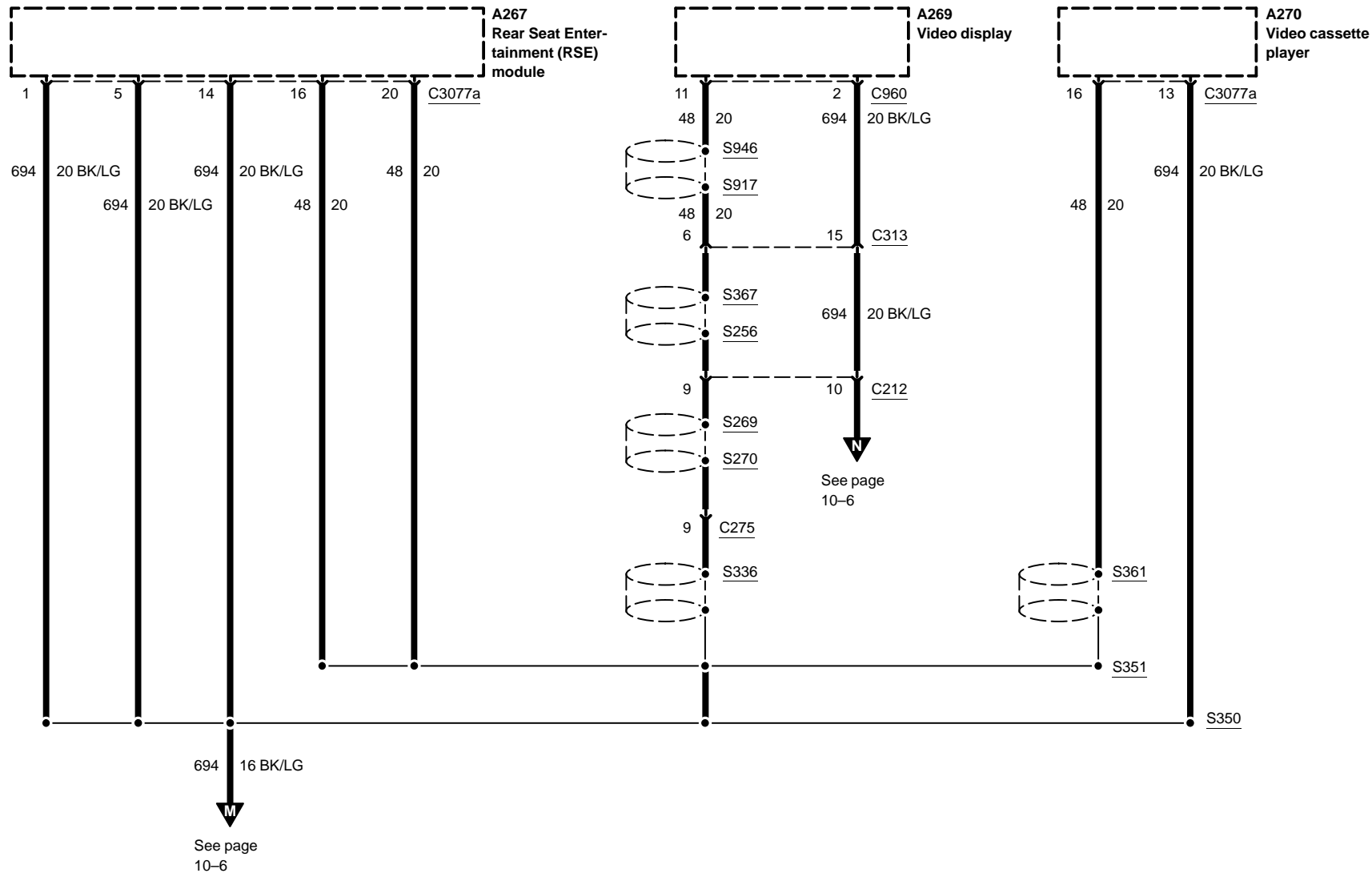
Excursion, G300



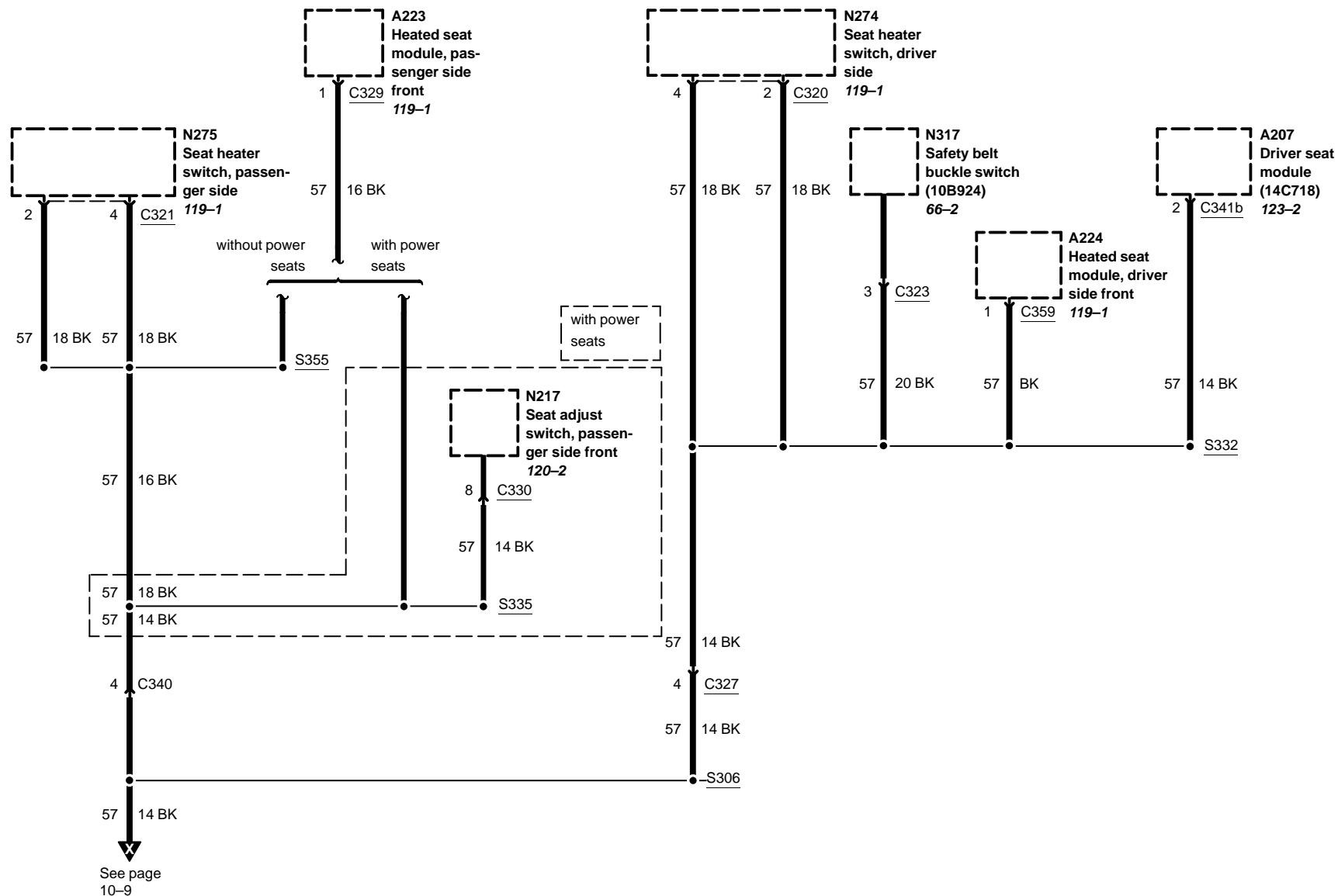
Excursion, Super Duty Series F-250, F-350, F-450, F-550 '02



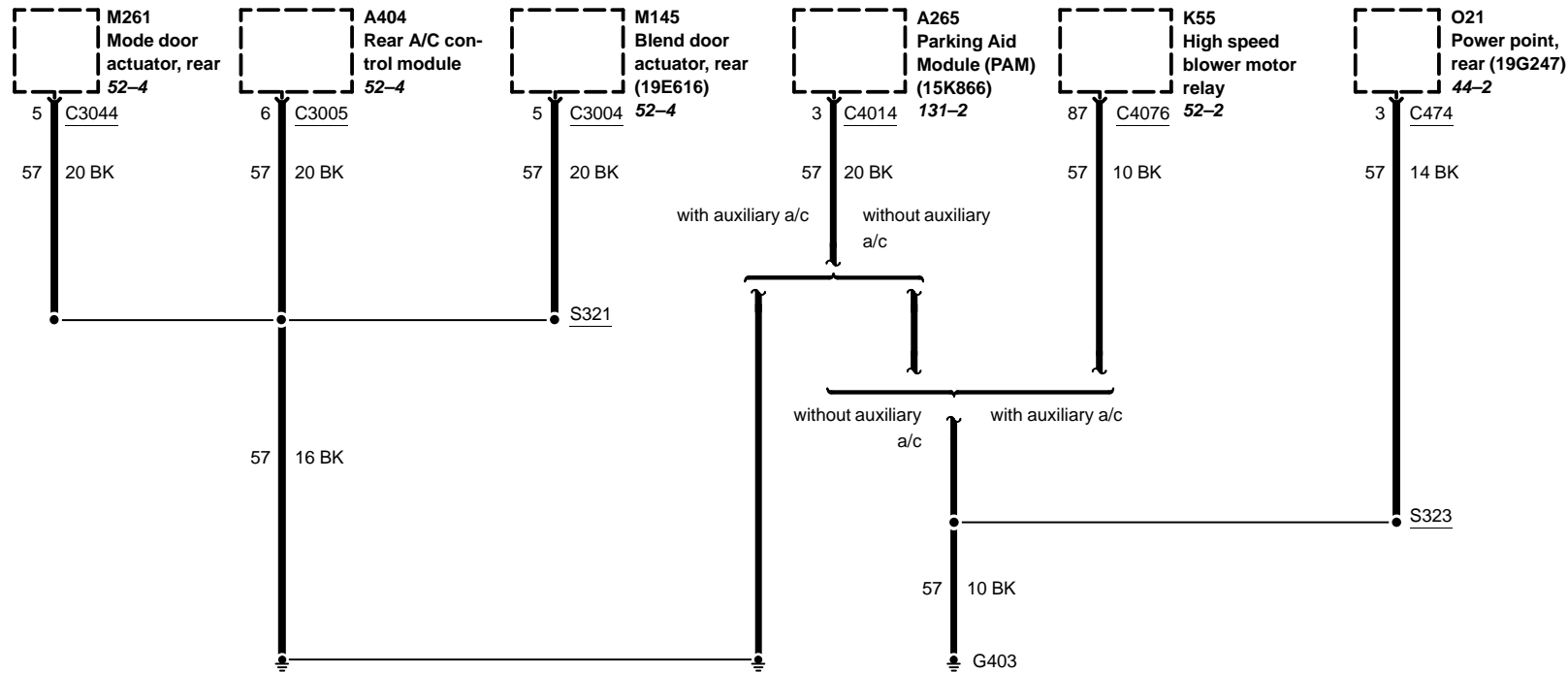
Excursion, with video cassette player



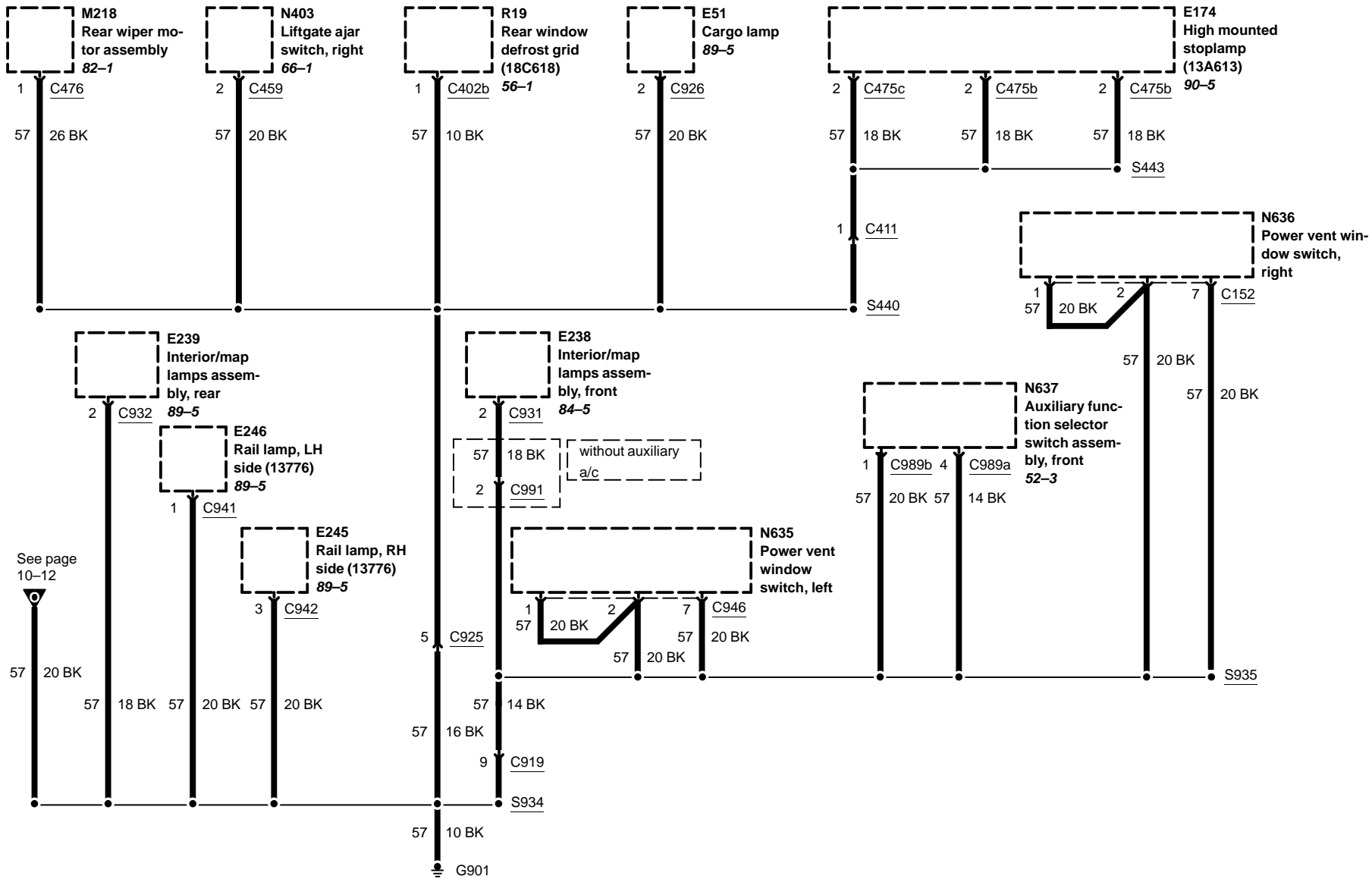
Excursion



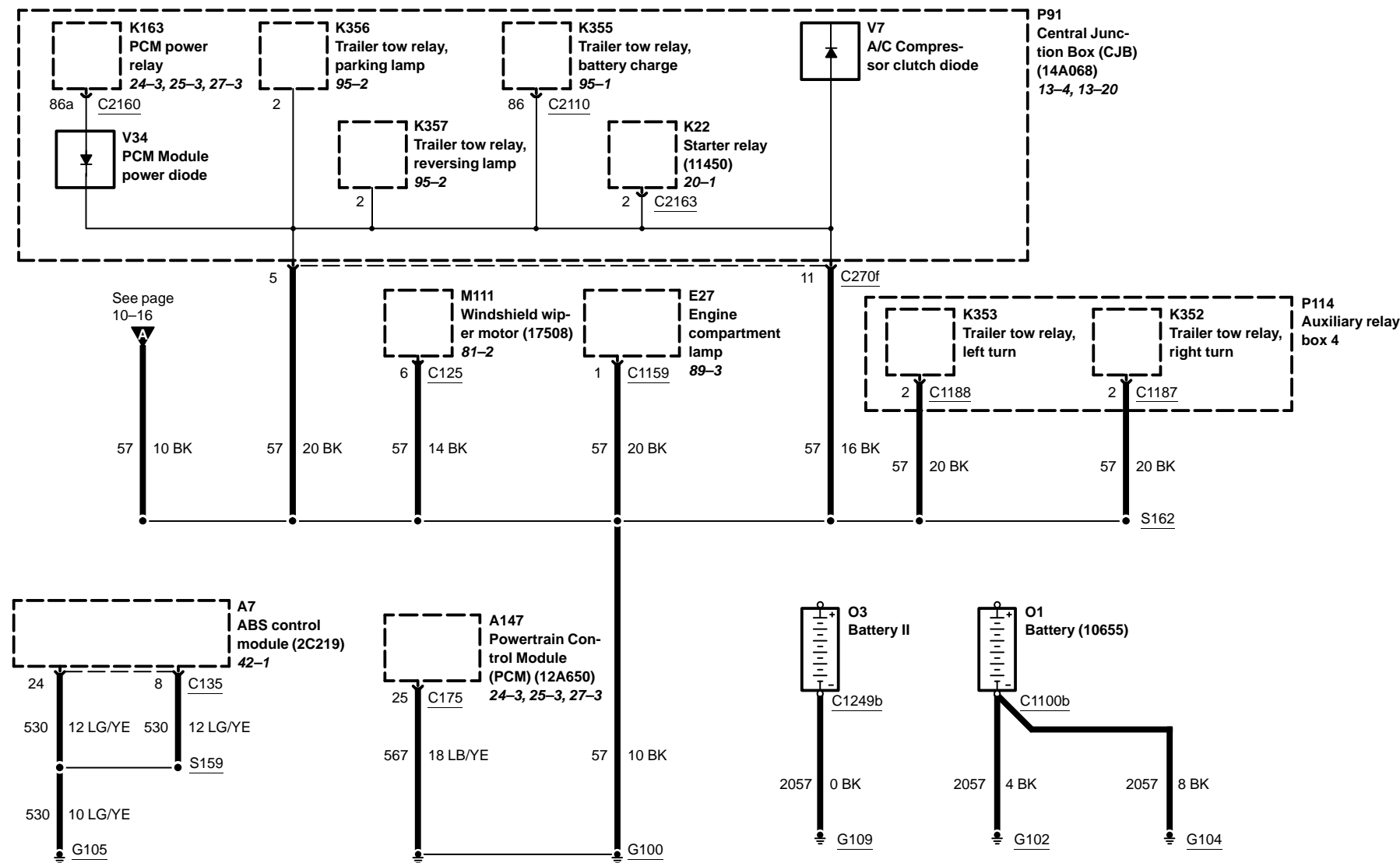
Excursion



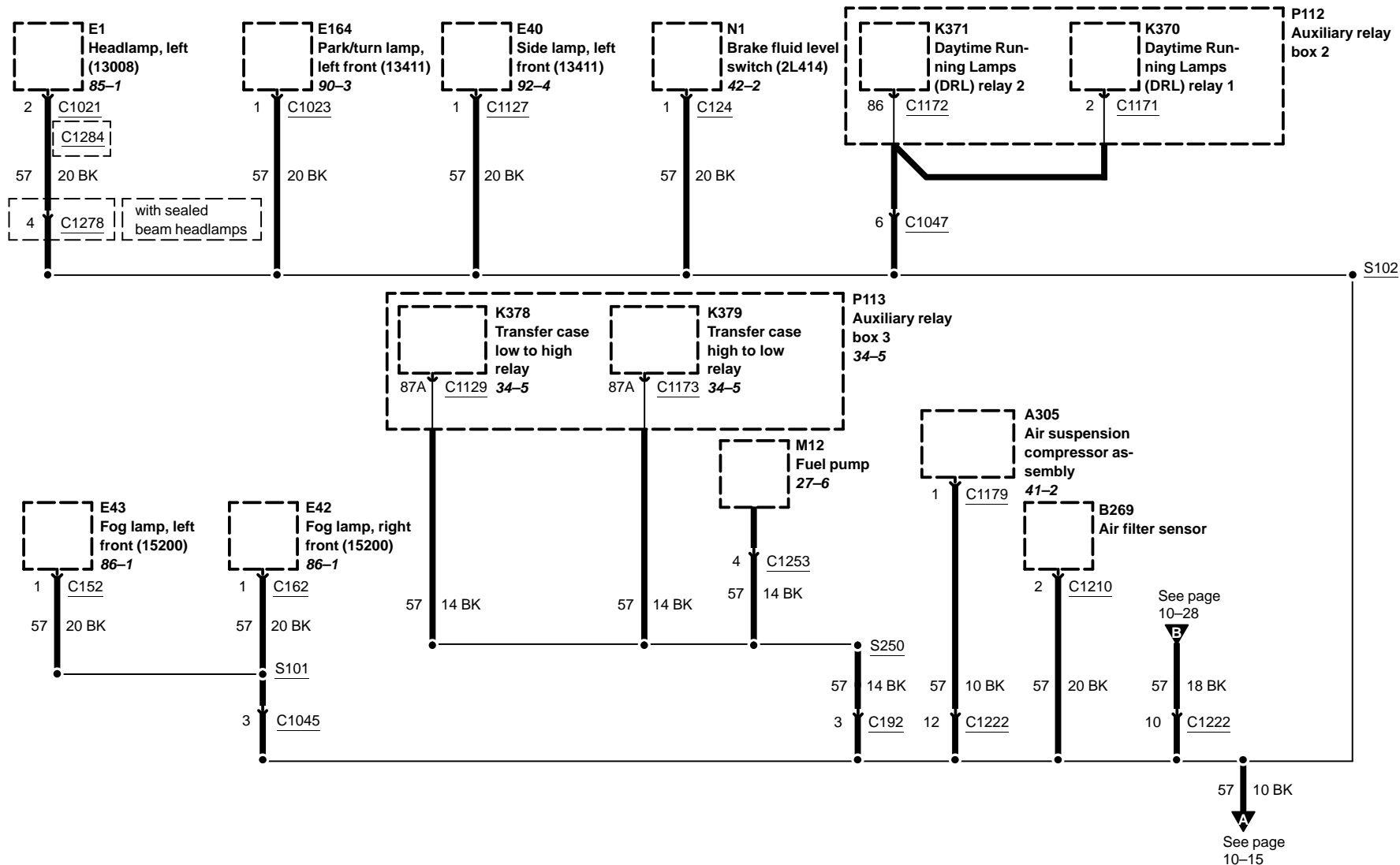
Excursion



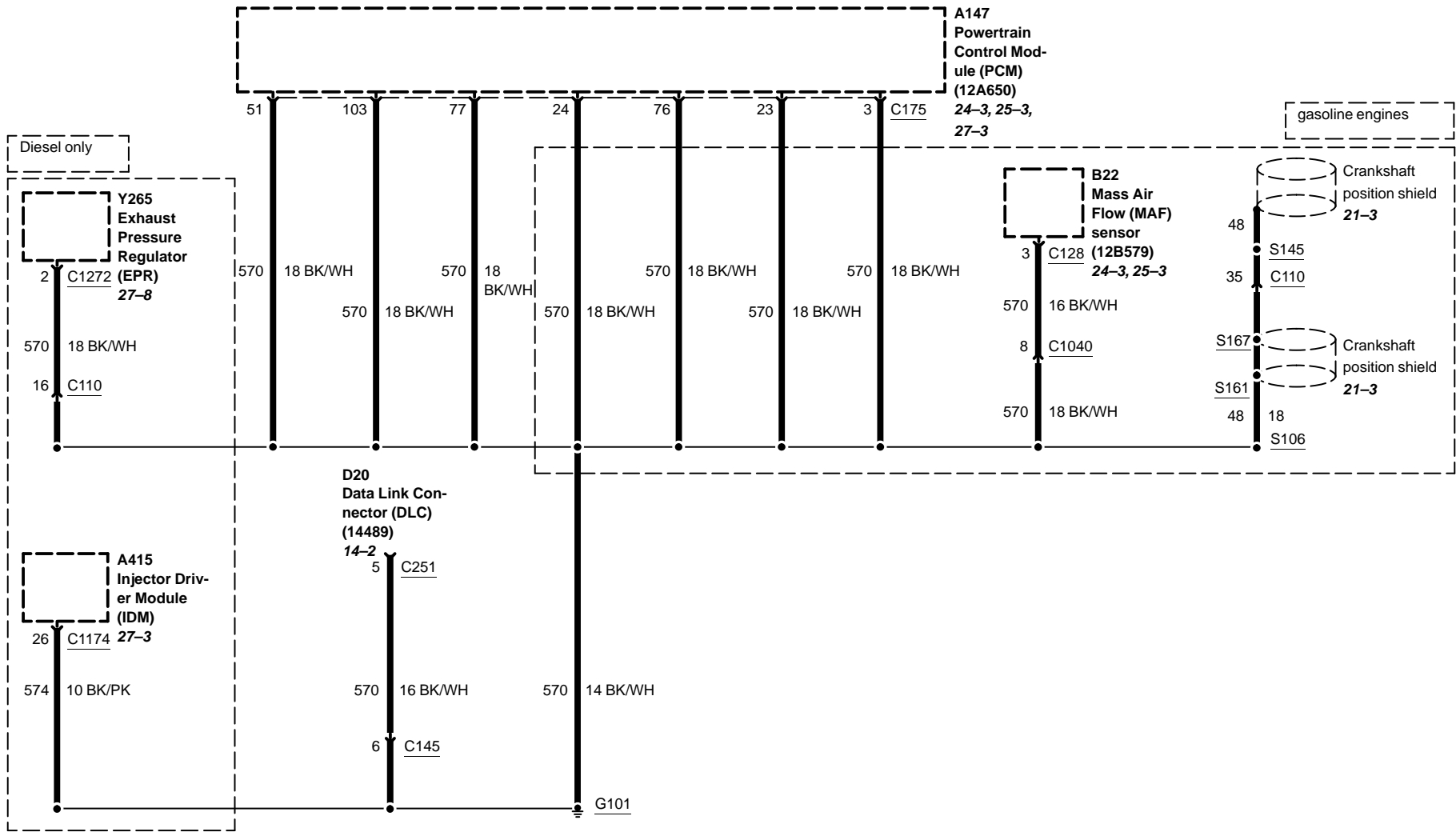
Pickup, G100, G102, G104, G105



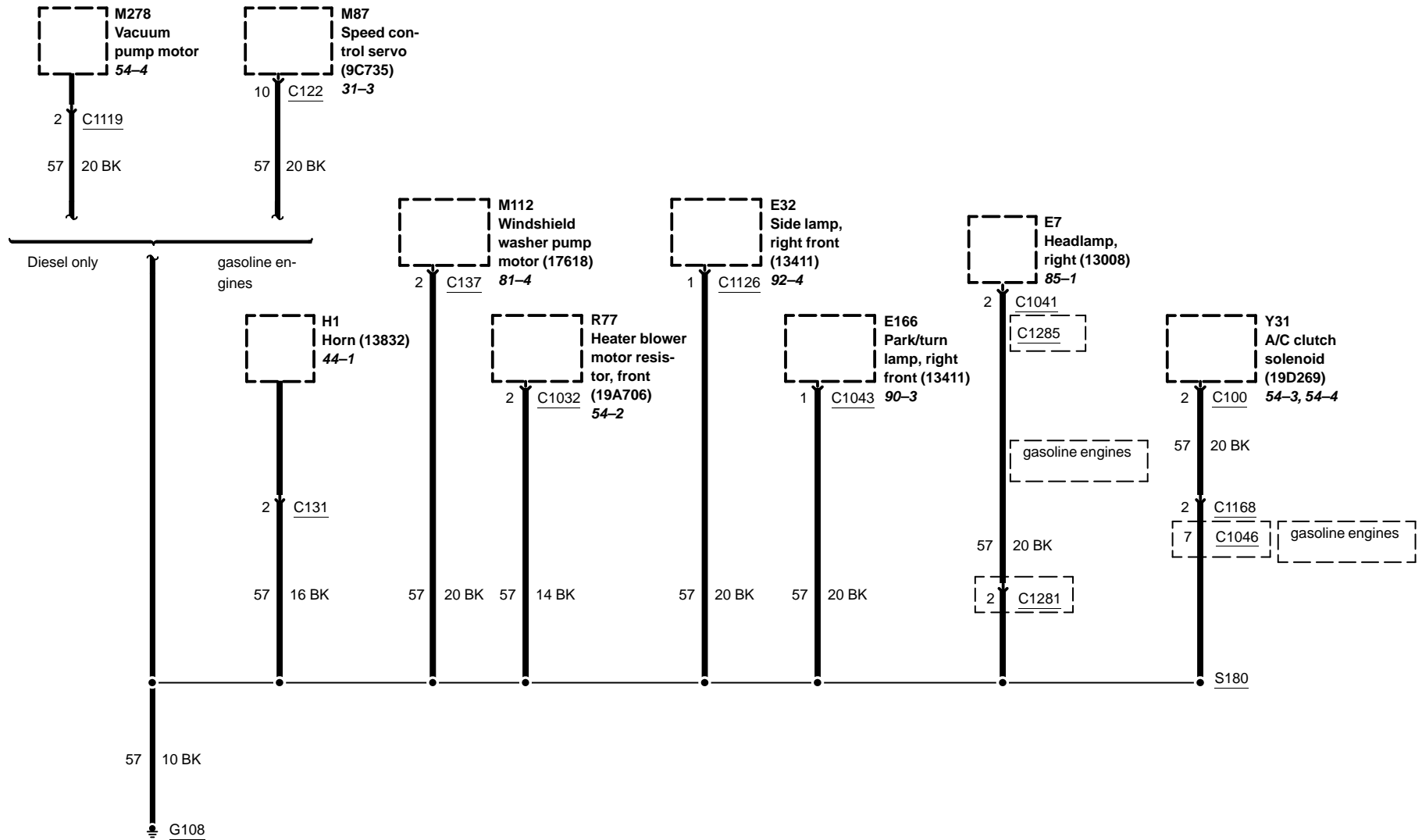
Pickup



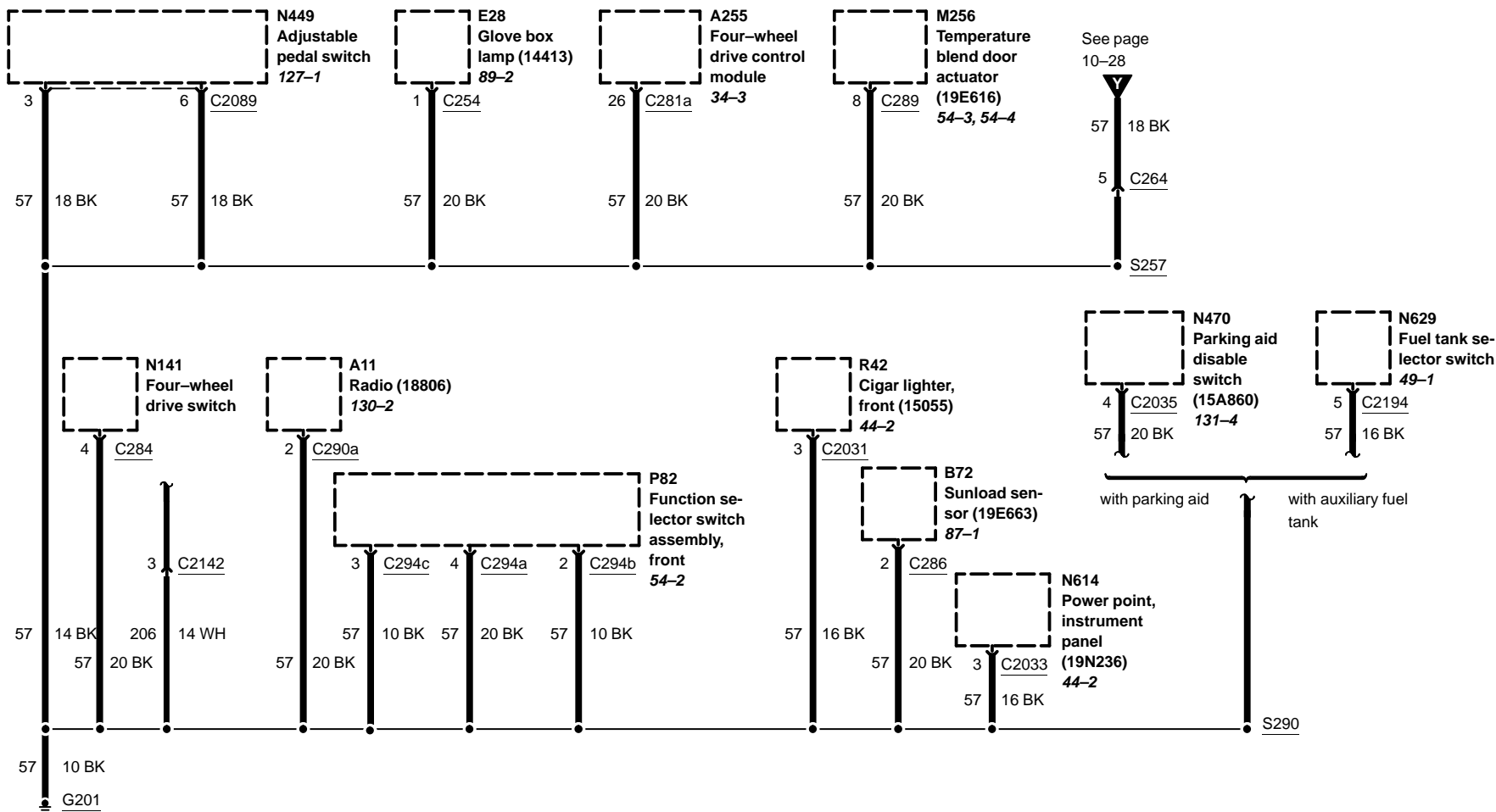
Pickup, G101



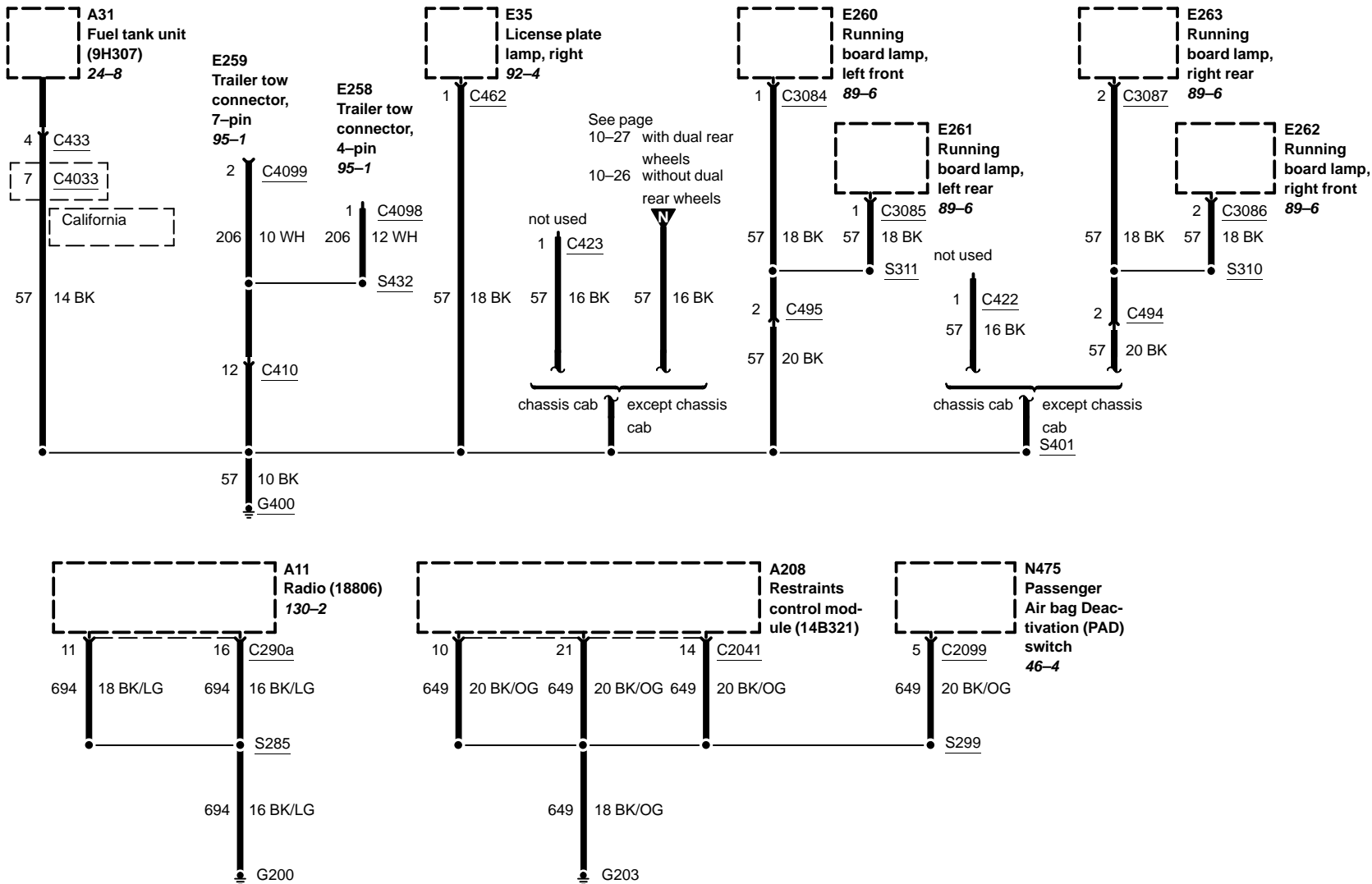
Pickup, G108



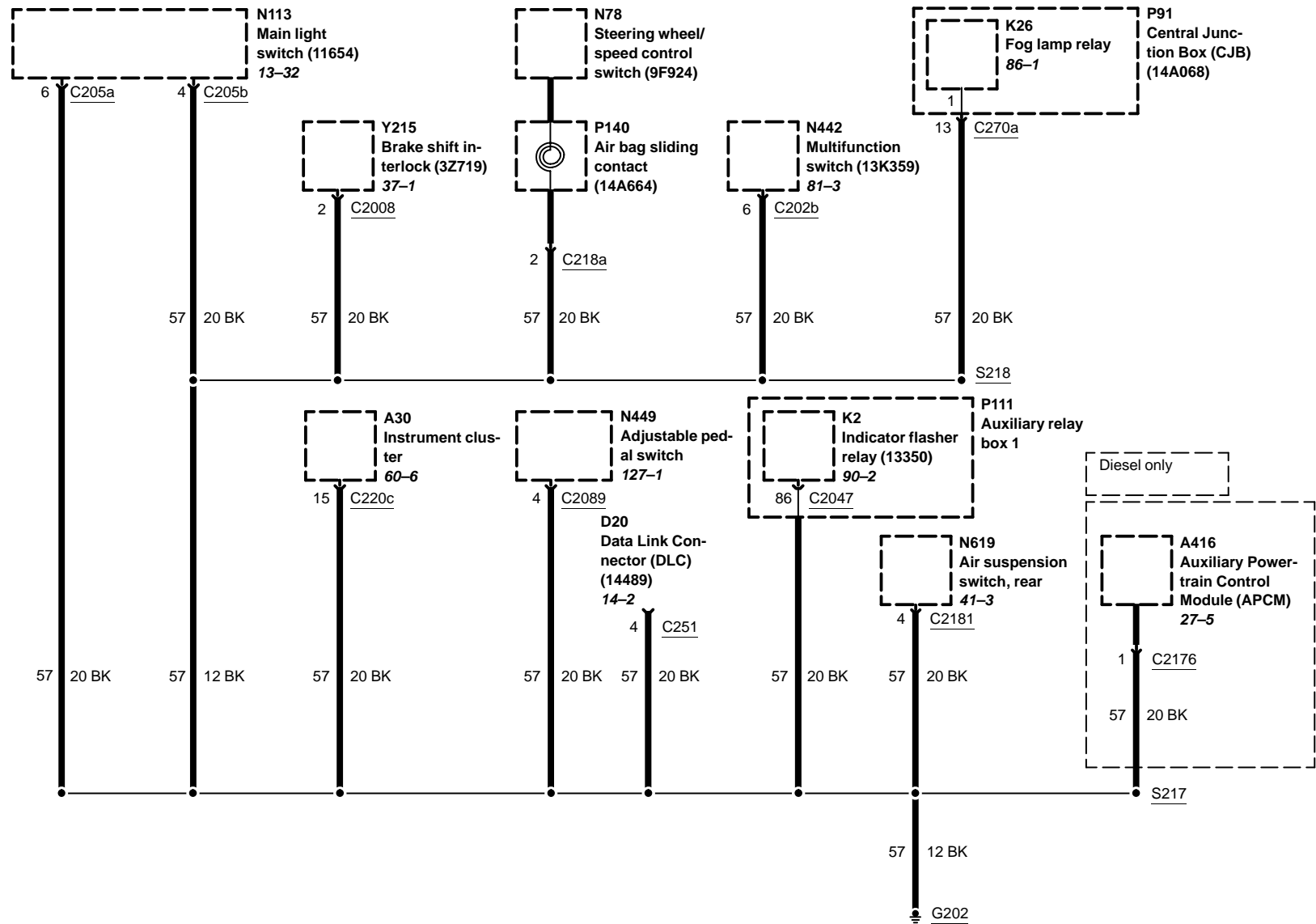
Pickup, G201



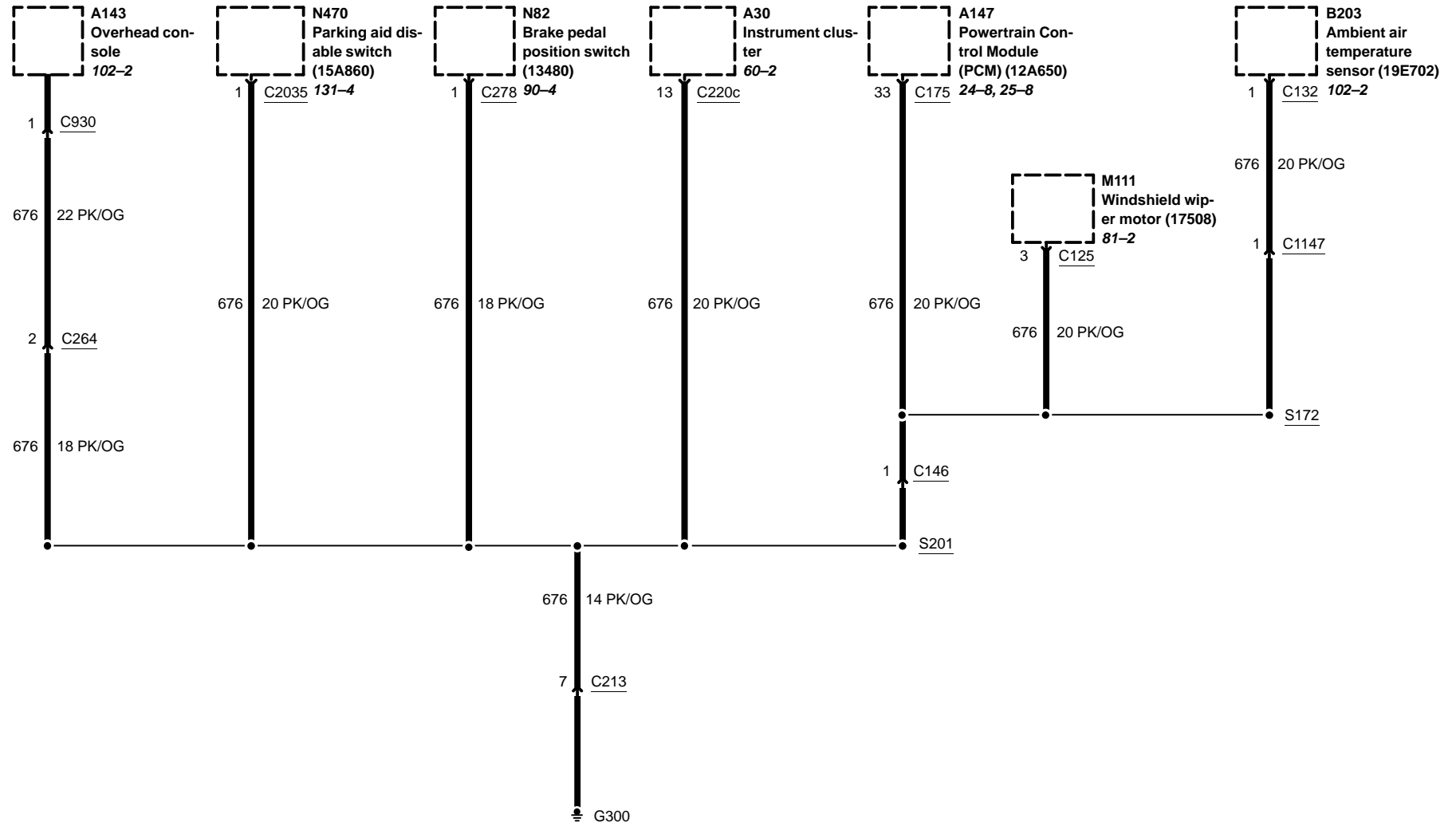
Pickup, G200, G202, G203, G400



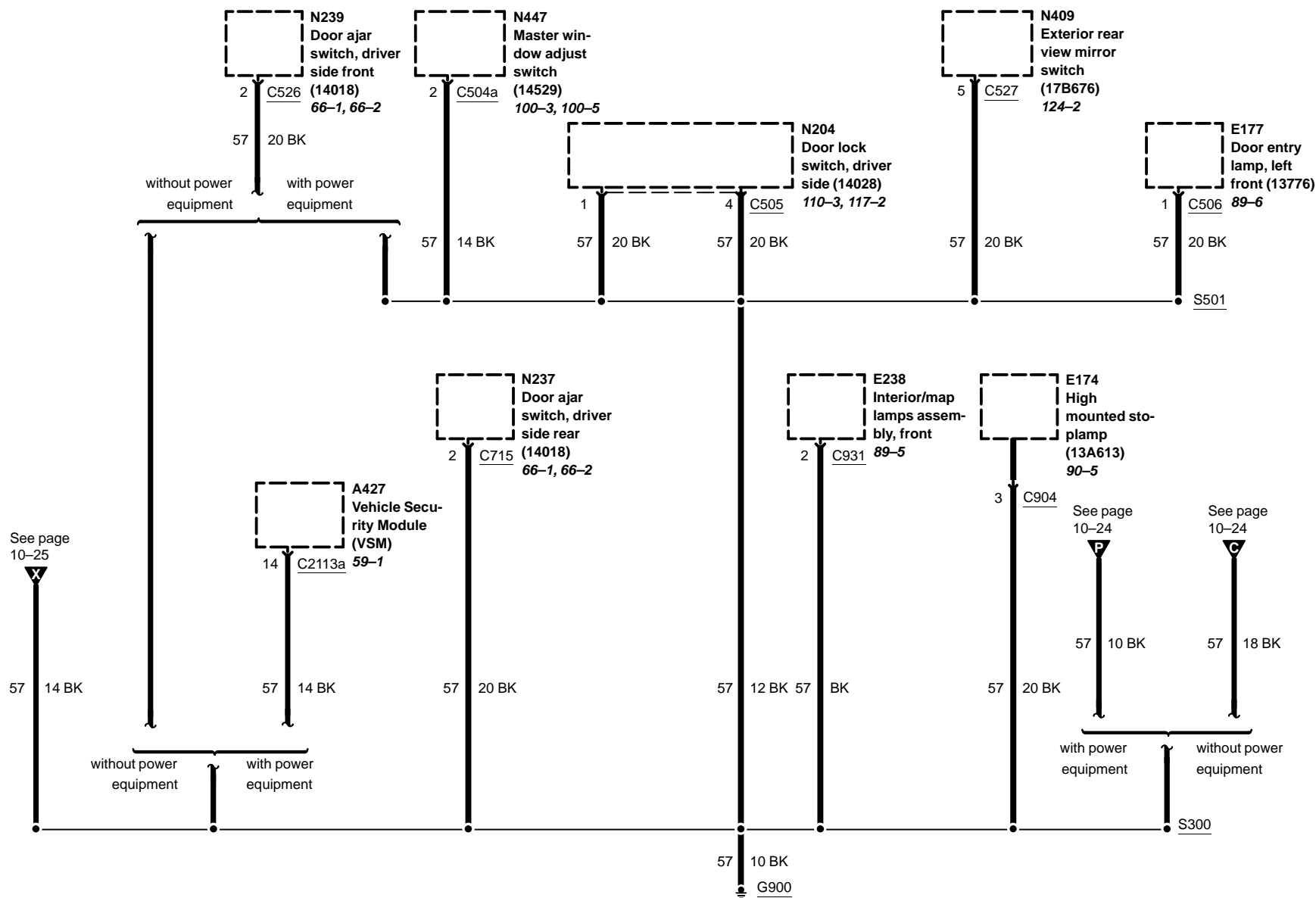
Pickup, G202



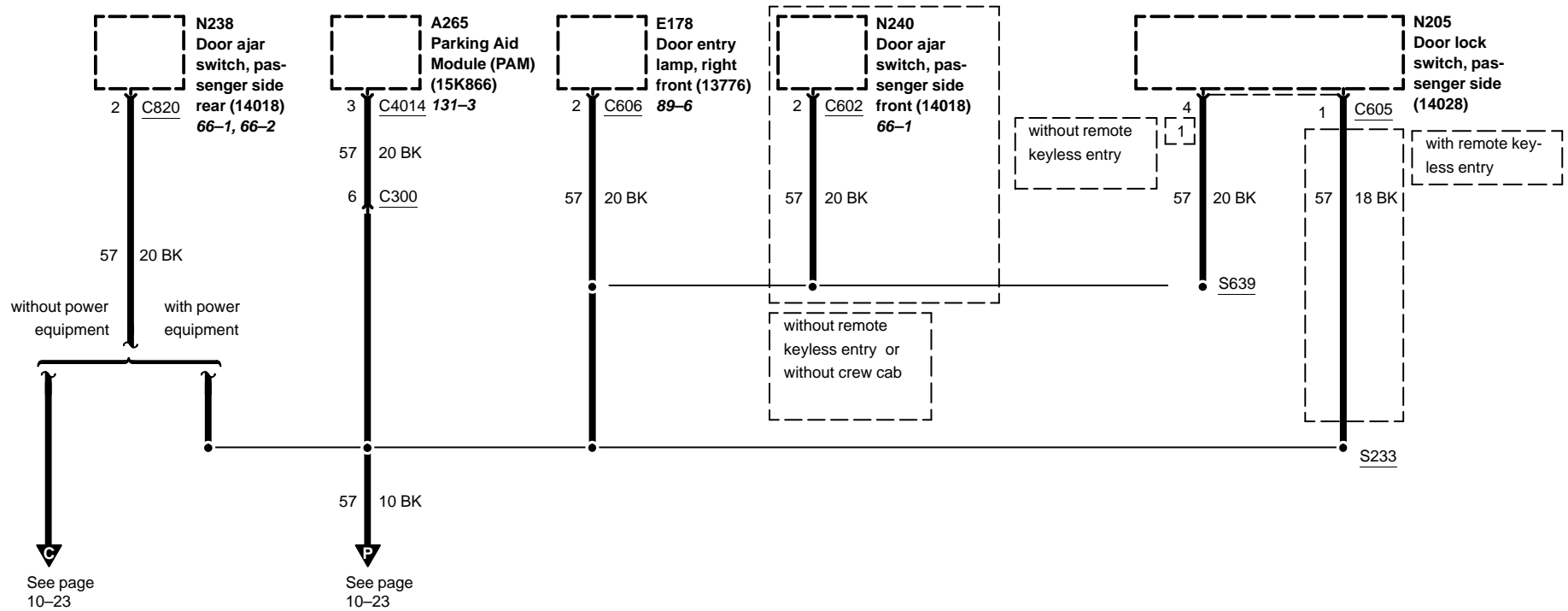
Pickup, G300



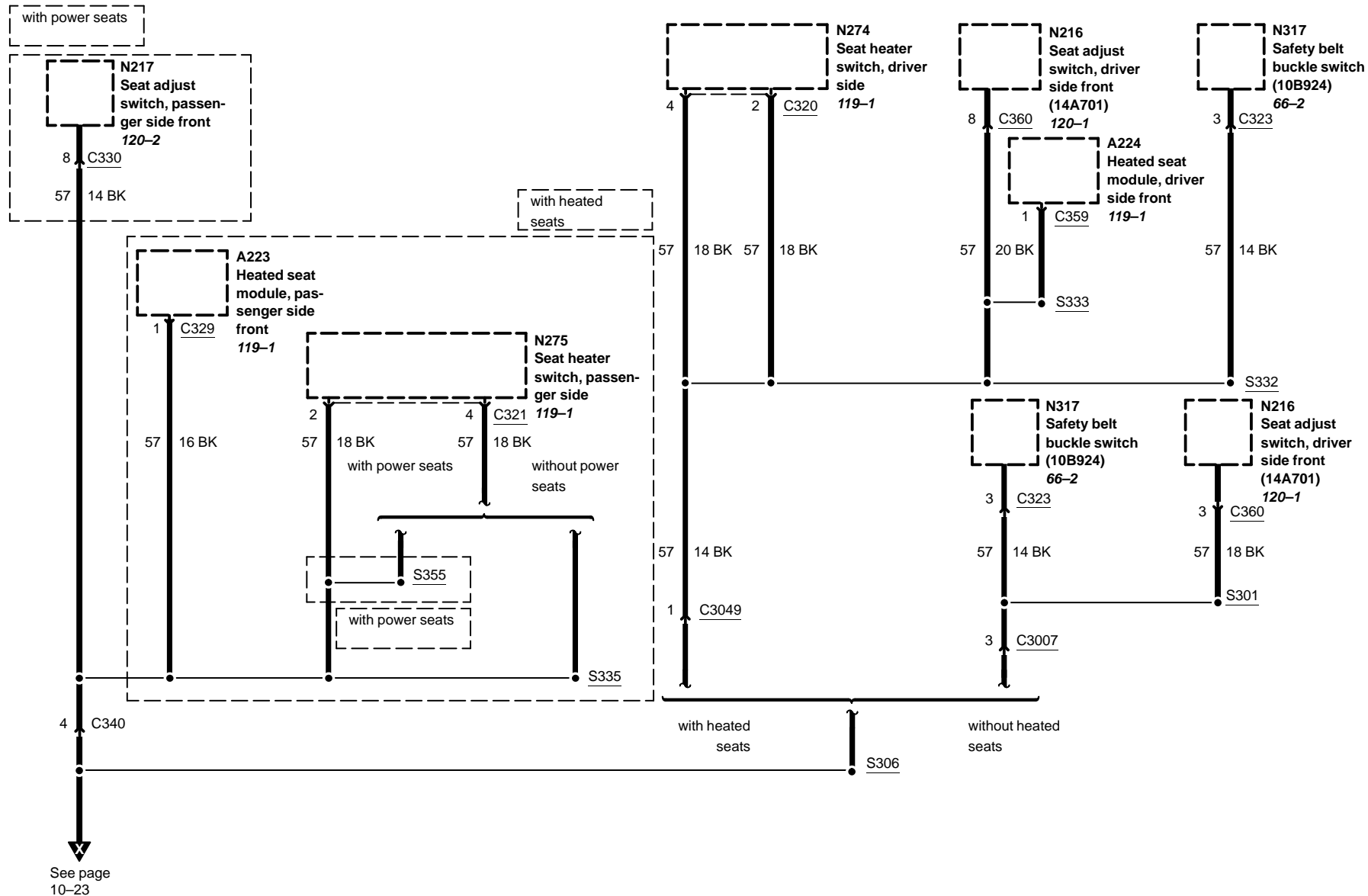
Pickup, G900



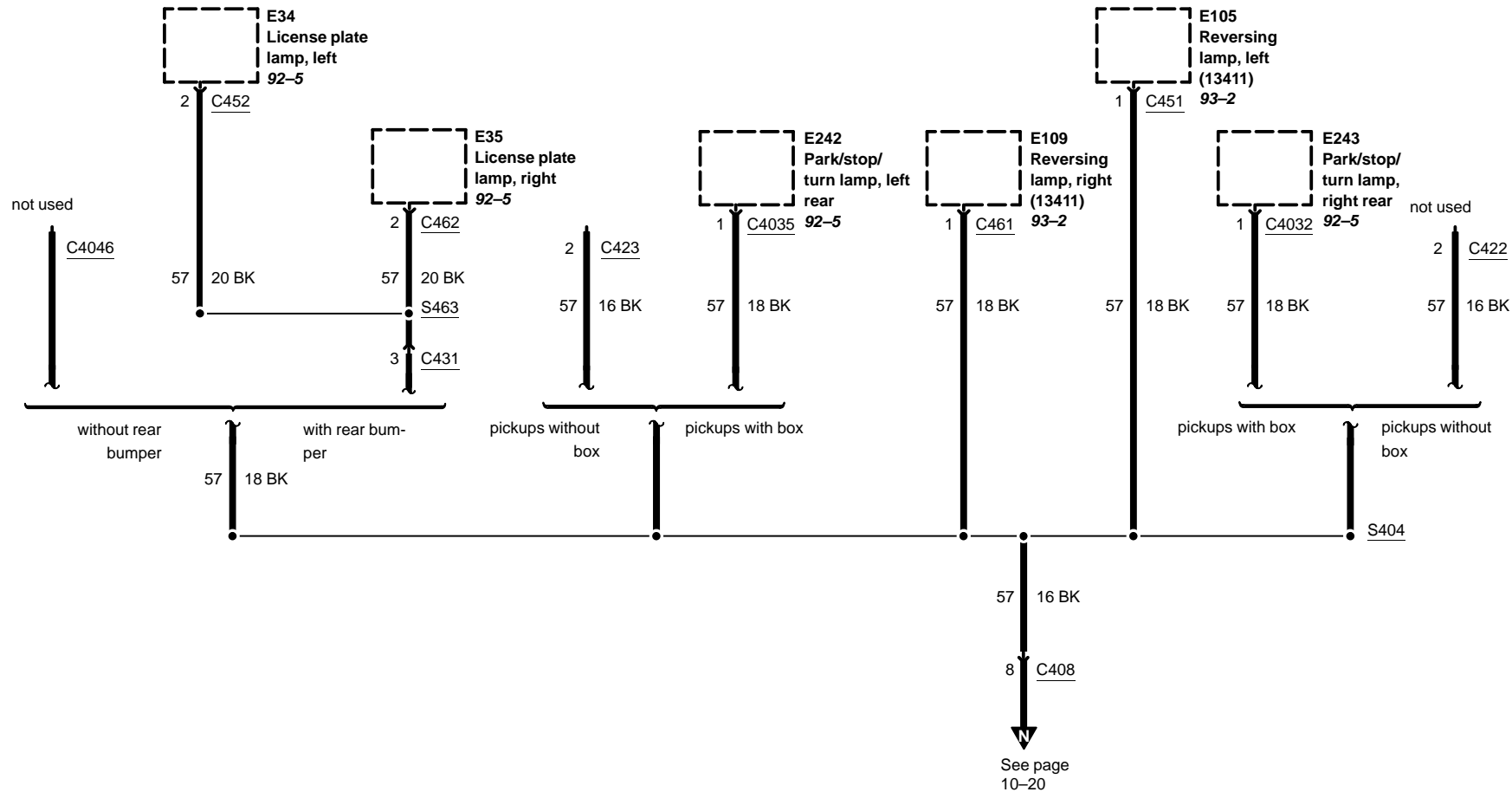
Pickup



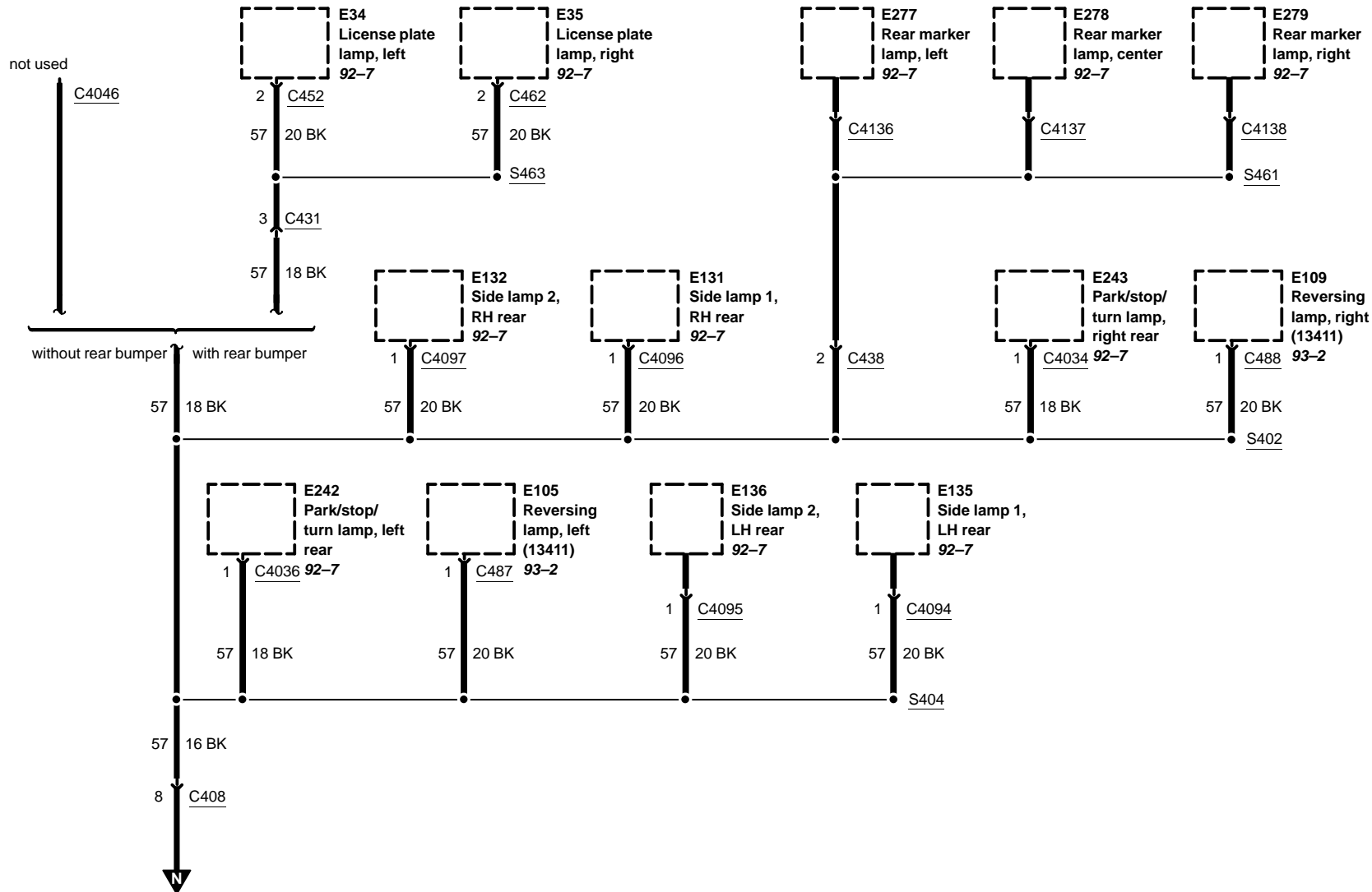
Pickup



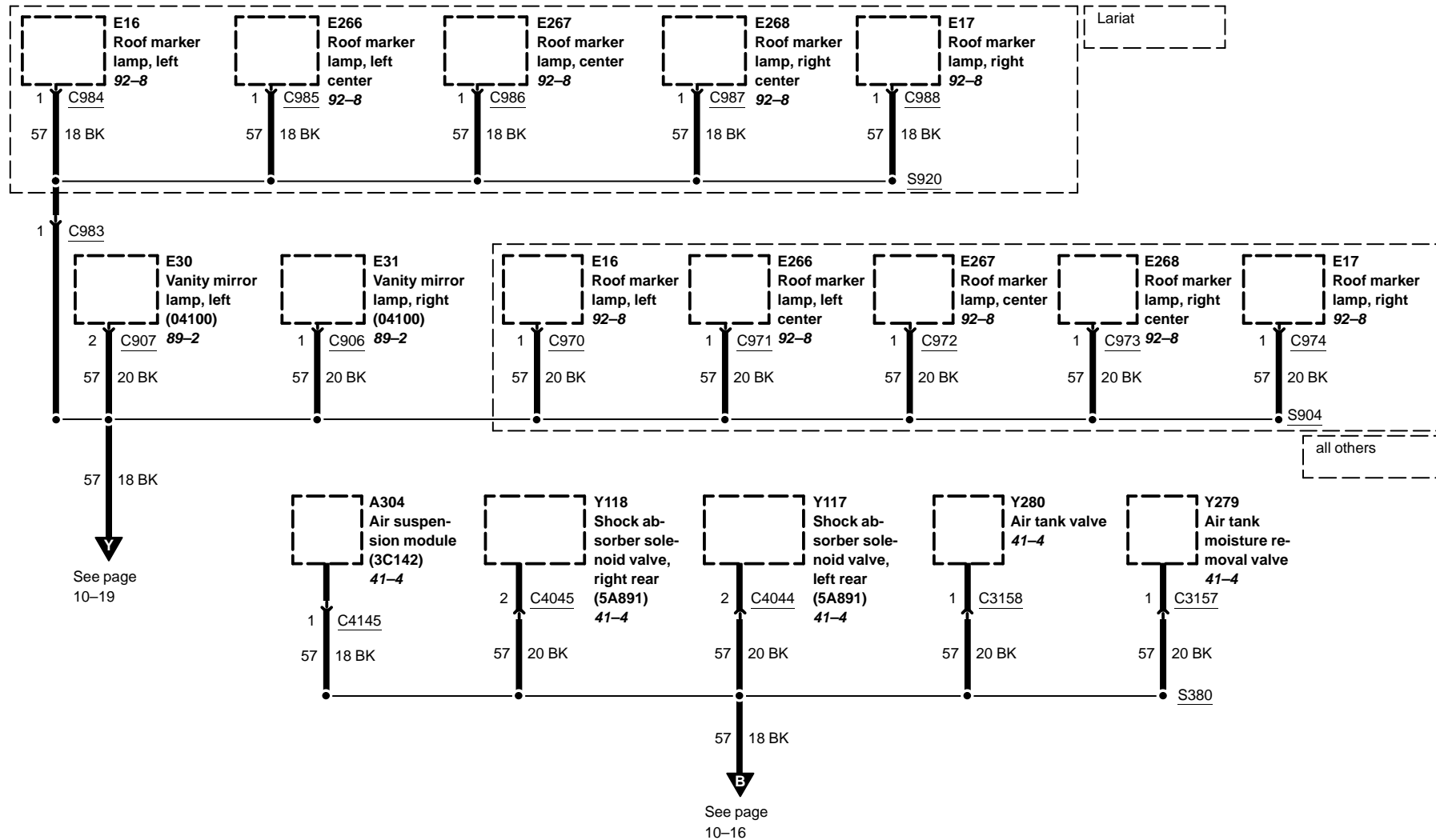
Pickup, without dual rear wheels



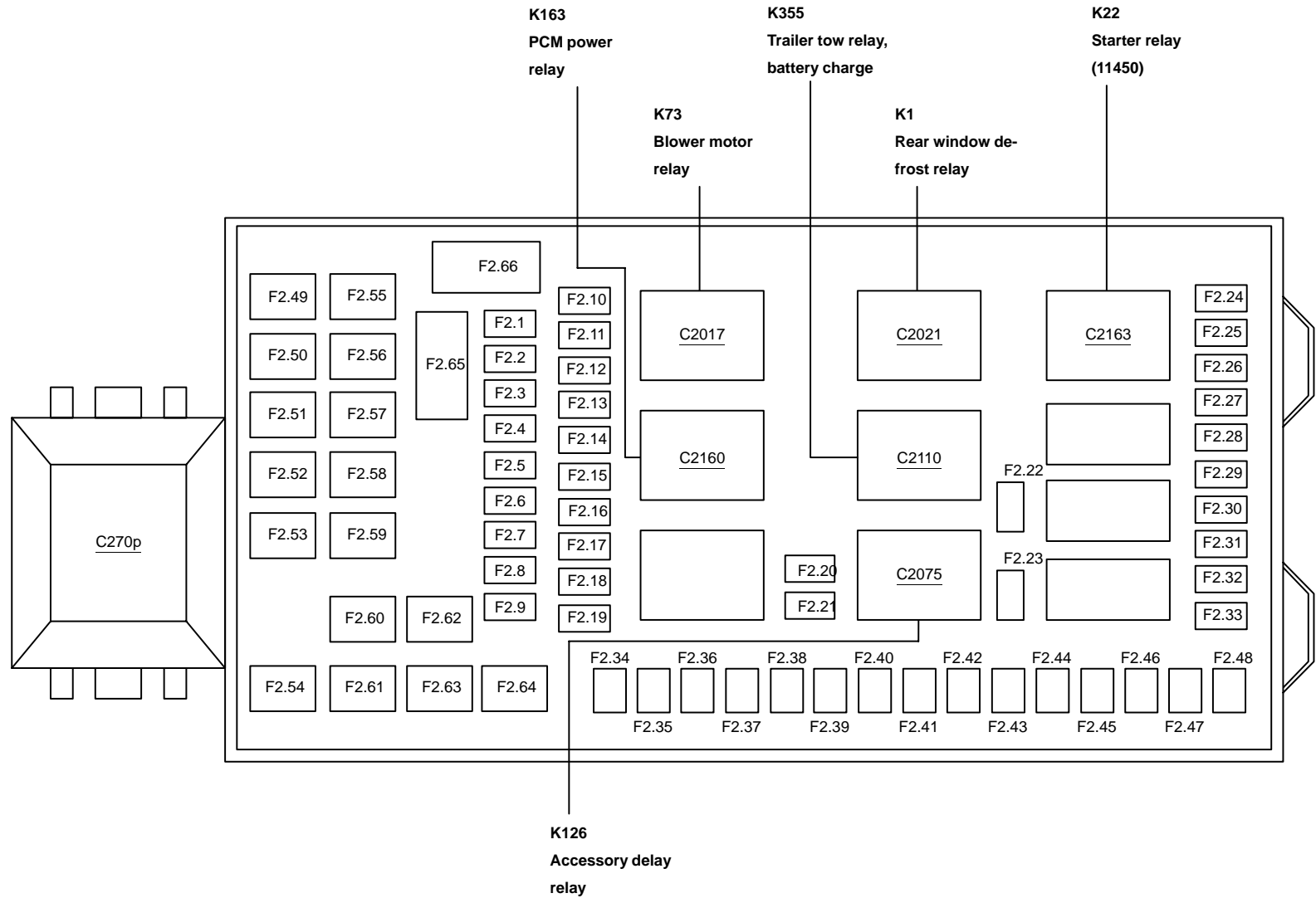
See page
10-20



Pickup



Central Junction Box (CJB) (14A068)



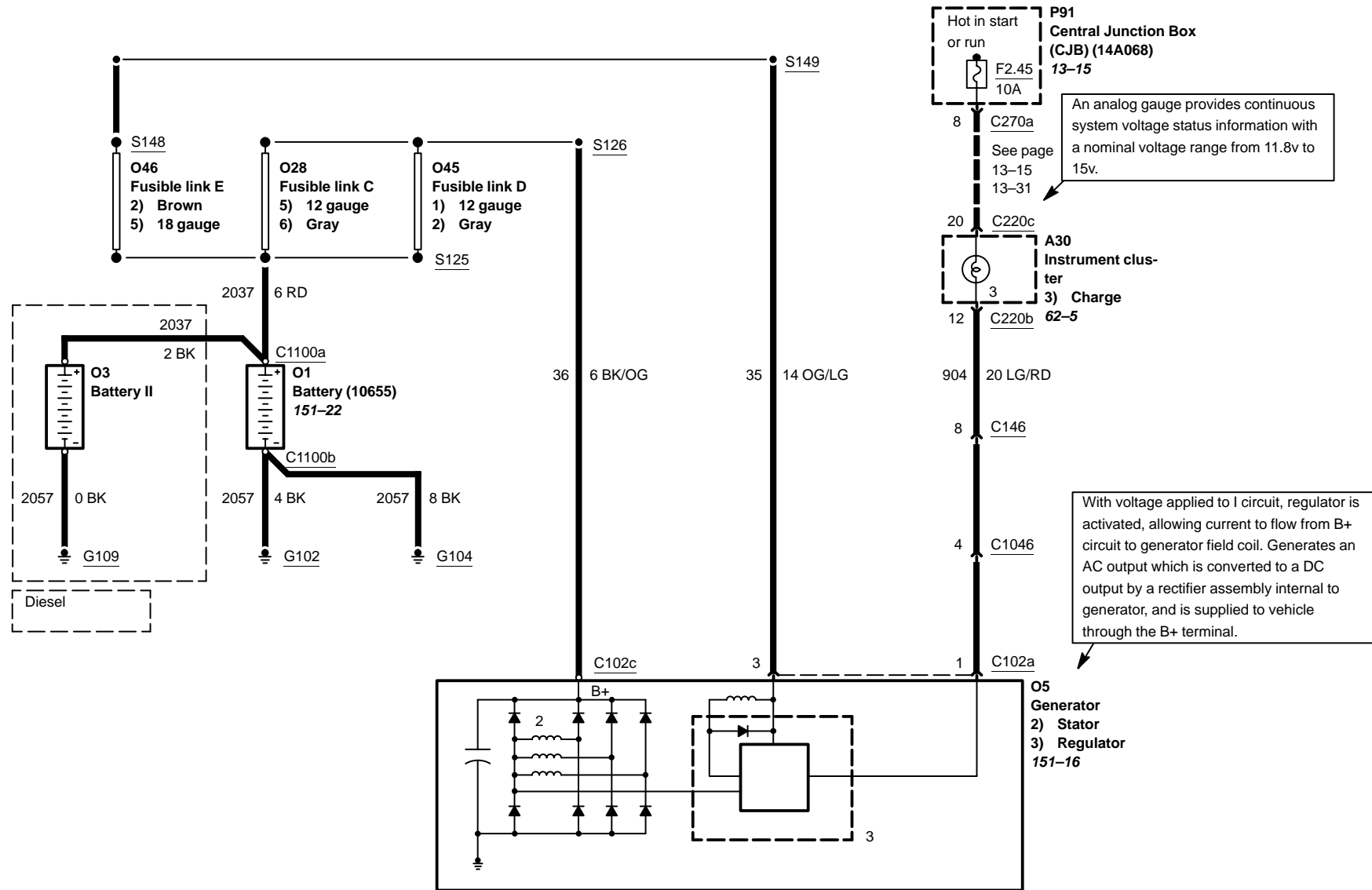
Fuse	Amps	Circuits protected
F2.1	15A	adjustable pedal
F2.2	20A	Power point, console (19N236)
F2.3	20A	Power point, C pillar (19N236)
F2.4	20A	Power point, instrument panel (19N236)
F2.5	20A	Power point, rear (19G247)
F2.6	20A	Turn signal relay, Trailer tow
F2.7	30A	Headlamps, High Beam/Flash-to-Pass
F2.8	–	not used
F2.9	20A	Power mirrors
F2.10	10A	A/C clutch relay
F2.11	20A	Radio (18806)
F2.12	20A	Cigar lighter, front (15055), Data Link Connector (DLC) (14489)
F2.13	10A	Seat adjust switch, driver side front (14A701), Exterior rear view mirror switch (17B676)
F2.14	15A	Rear Integrated Control Panel (RICP) (19980)
F2.15	10A	Driver seat module (14C718)
F2.16	15A	DVD player, Rear Integrated Control Panel (RICP) (19980), Rear Seat Entertainment (RSE) module
F2.17	15A	Exterior lamps, Trailer tow relay, parking lamp
F2.18	20A	Brake pedal position switch (13480), Indicator flasher relay (13350)
F2.19	5A	Vehicle Security Module (VSM)
F2.20	25A	not used
F2.21	25A	Liftgate wiper
F2.22	20A	Fuel injectors, Powertrain Control Module (PCM) (12A650)
F2.23	20A	Heated oxygen sensors (HO2S), A/C clutch relay, Vapor management valve, Automatic transmission module (7G422), EVAP canister vent control solenoid
F2.24	15A	Air Suspension
F2.25	10A	ABS control module (2C219)
F2.26	10A	Air bags

Fuse	Amps	Circuits protected
F2.27	15A	Auxiliary Climate Control, Heated seats, Vacuum pump motor, speed control, Overhead console, Brake shift interlock (3Z719), Electronic Shift On the Fly (ESOF) solenoid, Digital Transmission Range (DTR) sensor (7F293)
F2.28	10A	Climate Control System
F2.29	10A	Customer access 1
F2.30	15A	Headlamps, High Beam/Flash-to-Pass
F2.31	15A	Shift Lock
F2.32	5A	Radio (18806)
F2.33	15A	Wiper/washer
F2.34	10A	Brake pedal position switch (13480), Passive anti-theft transceiver module (15607), Electronic Automatic Temperature Control (EATC) module (19980), Four-wheel drive control module, Brake pressure switch (2B264)
F2.35	10A	Instrument cluster, Interior lamps
F2.36	10A	Powertrain Control Module (PCM) (12A650)
F2.37	15A	Horn
F2.38	20A	Trailer tow
F2.39	–	not used
F2.40	20A	Fuel pump
F2.41	10A	Instrument cluster, Interior lamps
F2.42	15A	Accessory delay, Radio (18806), Power Door Locks
F2.43	10A	fog lamps
F2.44	15A	Anti-theft
F2.45	10A	Passive anti-theft transceiver, Overdrive cancel switch (7G550), Passive anti-theft transceiver module (15607), Accelerator pedal position sensor, Four-wheel drive control module, Instrument cluster – Excursion
		Clutch pedal position switch, Auxiliary Powertrain Control Module (APCM), Accelerator pedal position sensor, Overdrive cancel switch (7G550), Four-wheel drive control module, Instrument cluster – Pickup
F2.46	10A	Headlamp, left (13008), Low beam
F2.47	10A	Headlamp, right (13008), Low beam
F2.48	10A	Rear wiper motor assembly

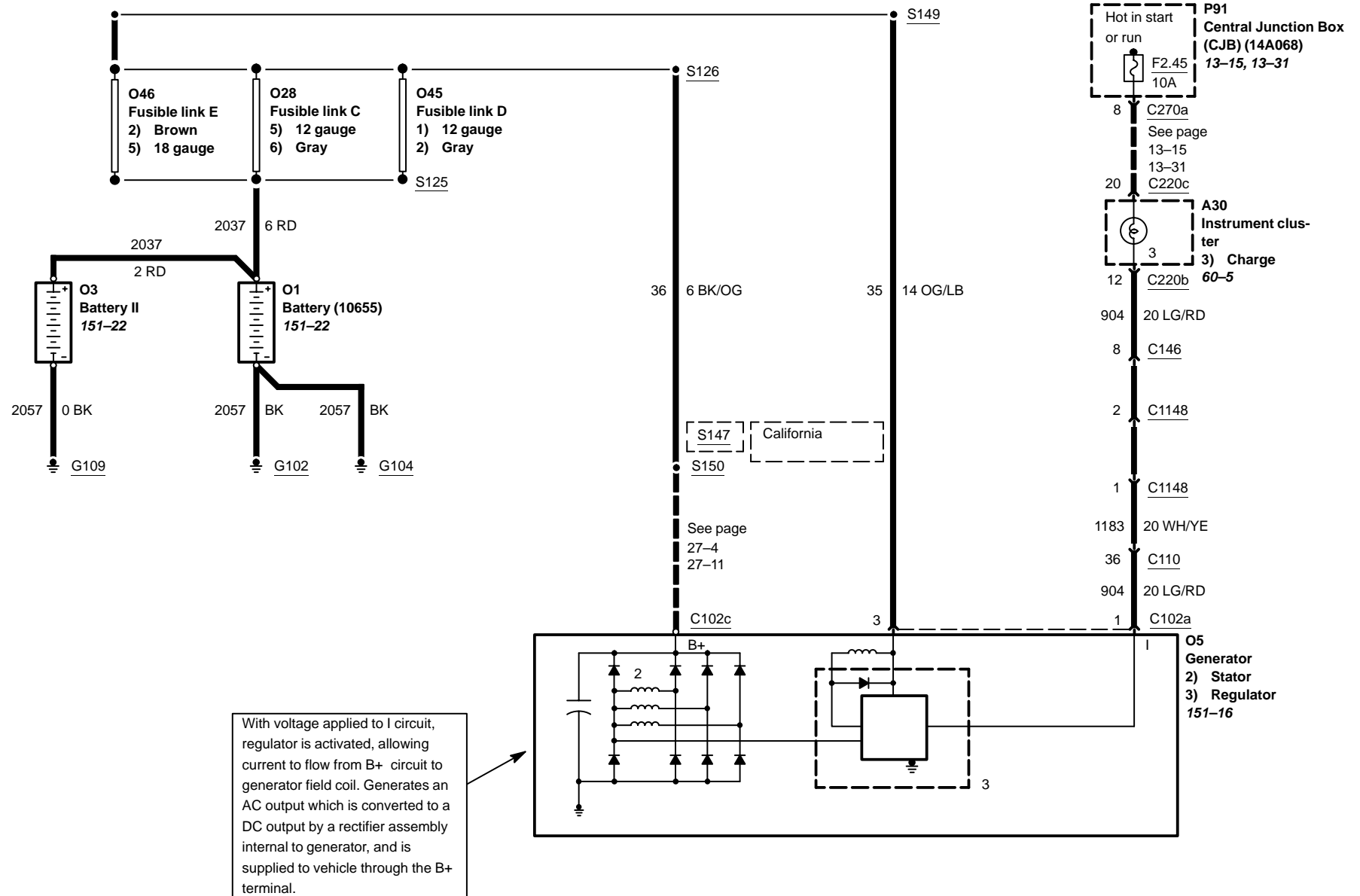
11 -3 Fuse and Relay Information

Fuse	Amps	Circuits protected
F2.49	30A	Electric trailer brakes
F2.50	30A	Vehicle Security Module (VSM), Power Door Locks
F2.51	50A	Ignition switch (11572), Run/Start power circuit
F2.52	40A	Rear window defrost
F2.53	30A	Injector Driver Module (IDM)
F2.54	30A	Windshield wiper motor (17508)
F2.55	40A	Heater blower motor (19805), Auxiliary A/C relay
F2.56	40A	Auxiliary Climate Control
F2.57	30A	Console Panel
F2.58	50A	Ignition switch (11572), Run power circuit
F2.59	30A	Transfer case low to high relay, Transfer case high to low relay
F2.60	30A	Driver seat module (14C718) (with memory), Seat adjust switch, driver side front (14A701) (without memory)
F2.61	30A	Starter motor (11002)
F2.62	30A	Seat adjust switch, passenger side front
F2.63	40A	Trailer tow
F2.64	30A	Ignition switch (11572), Run/Start power circuit
F2.65	30A c.b.	Accessory delay, Power windows
F2.66	60A	ABS control module (2C219)

Gasoline engines

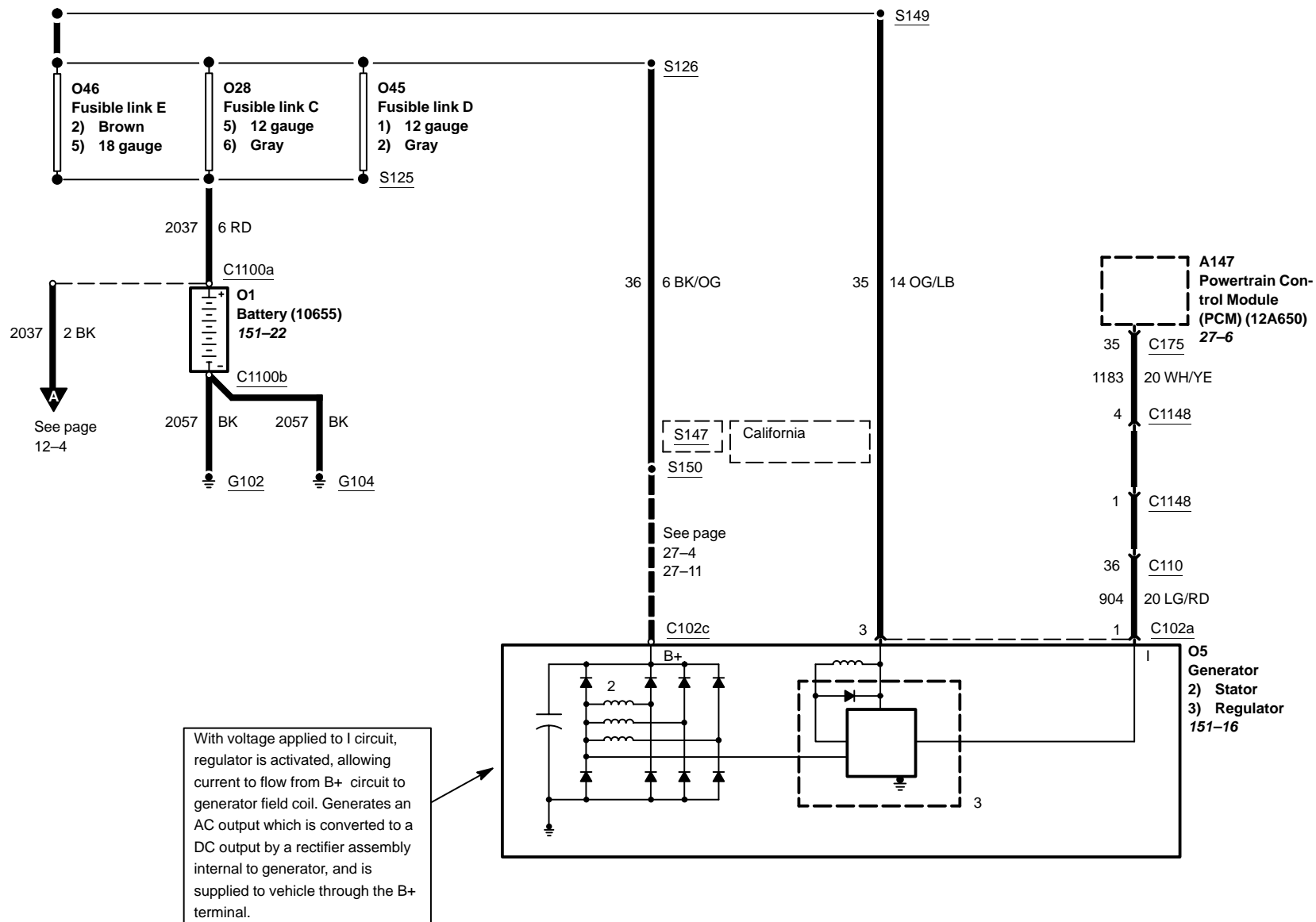


Diesel with single generator

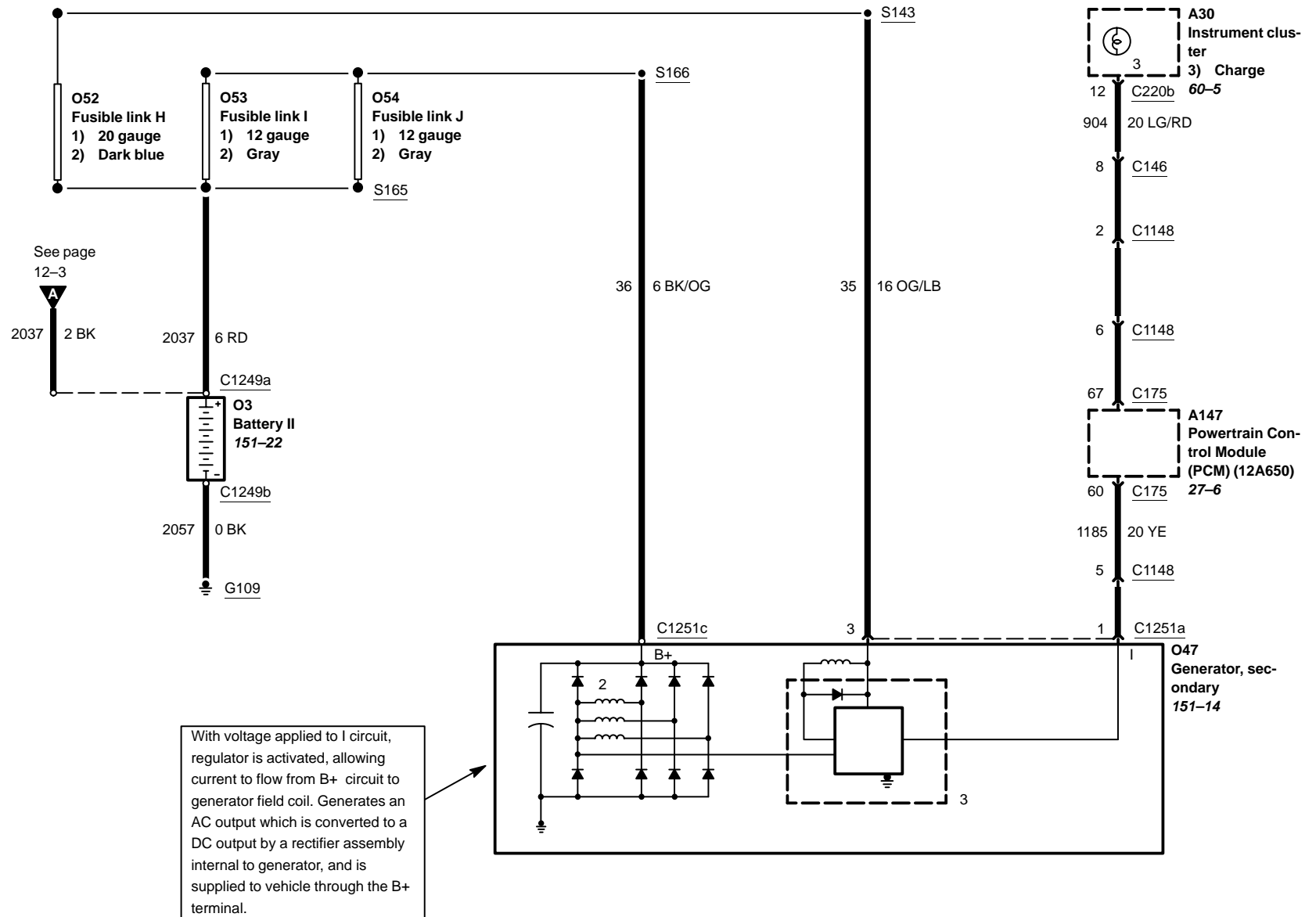


12-3 Charging System

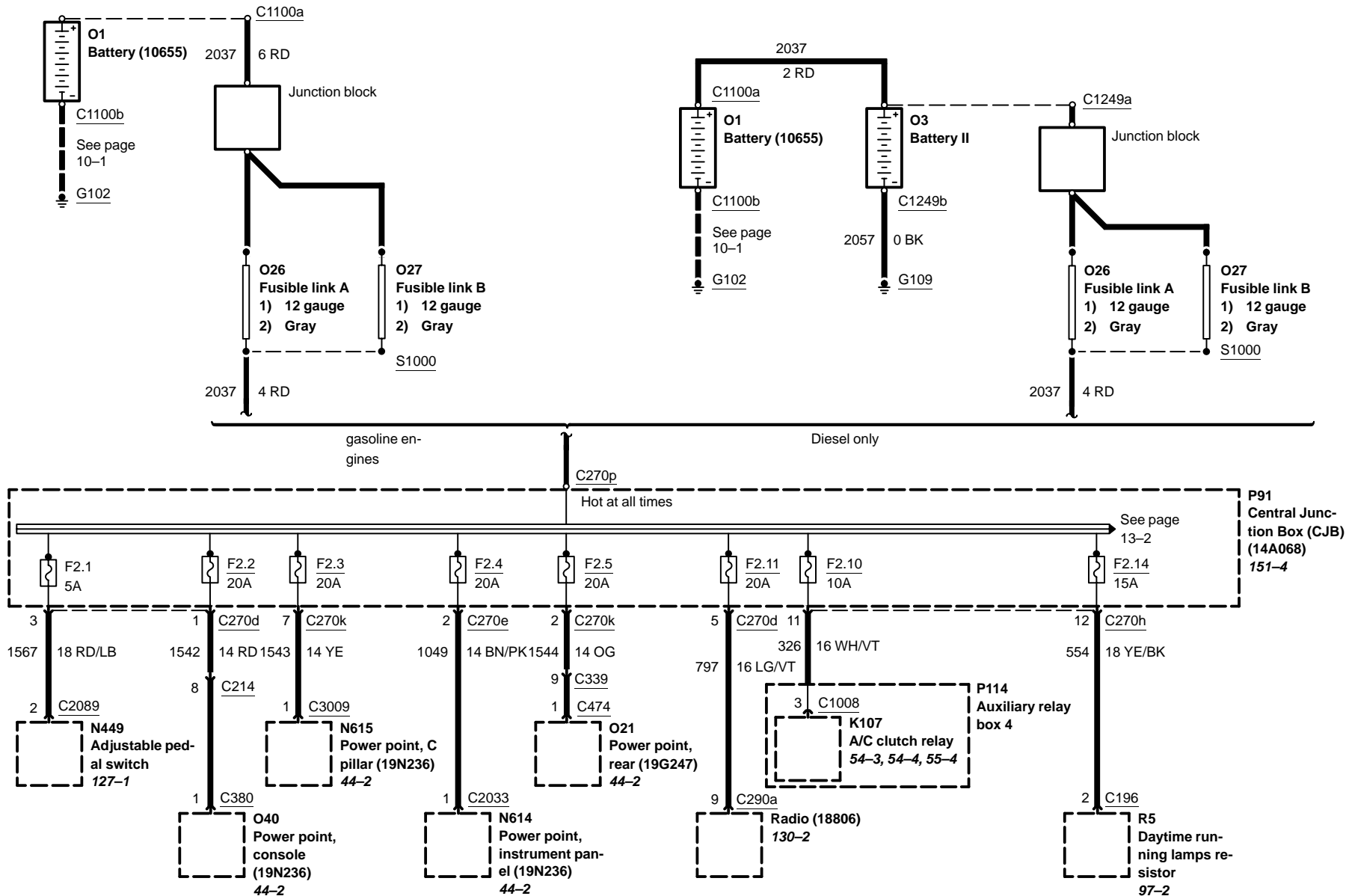
Dual generators



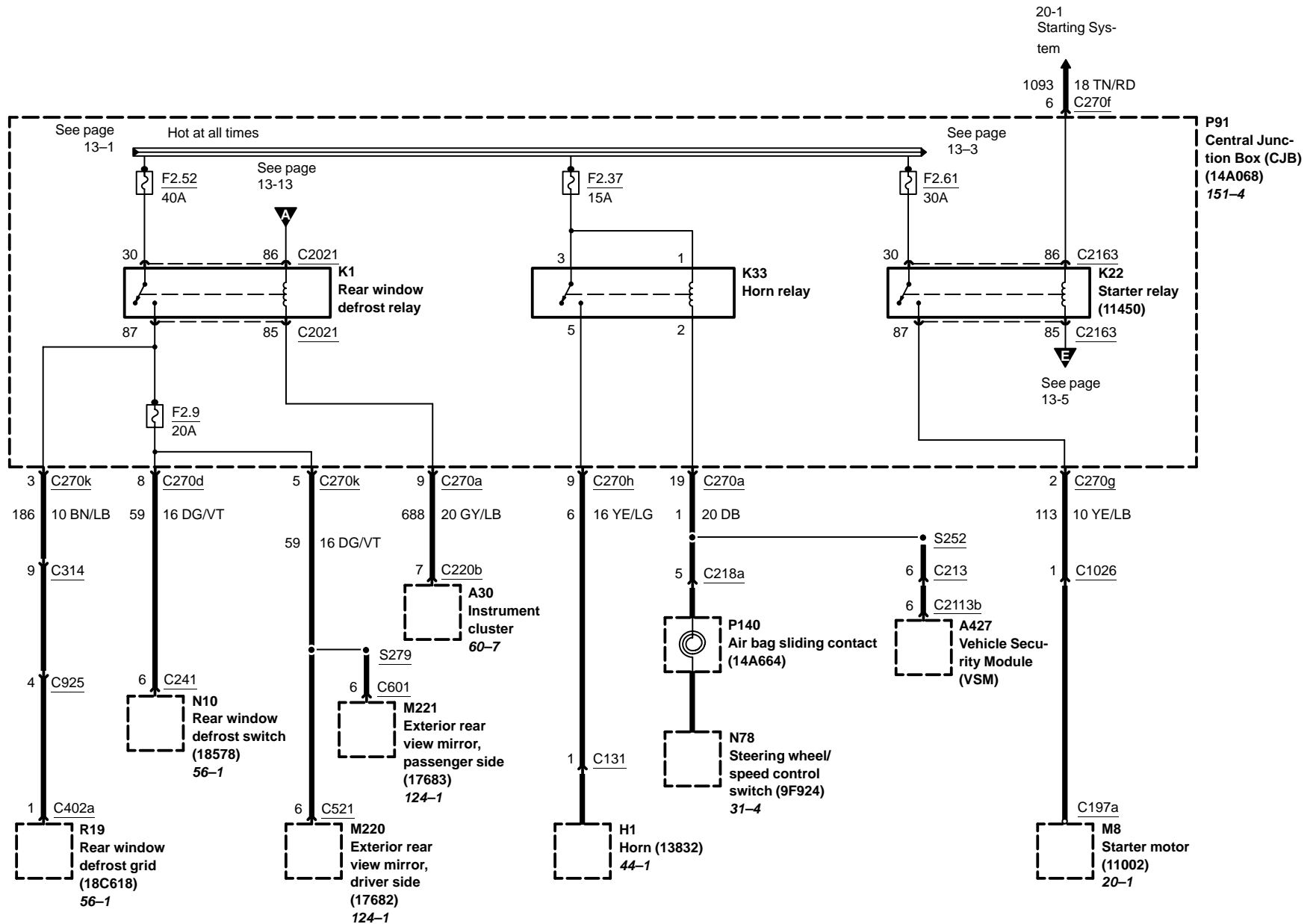
Dual generators



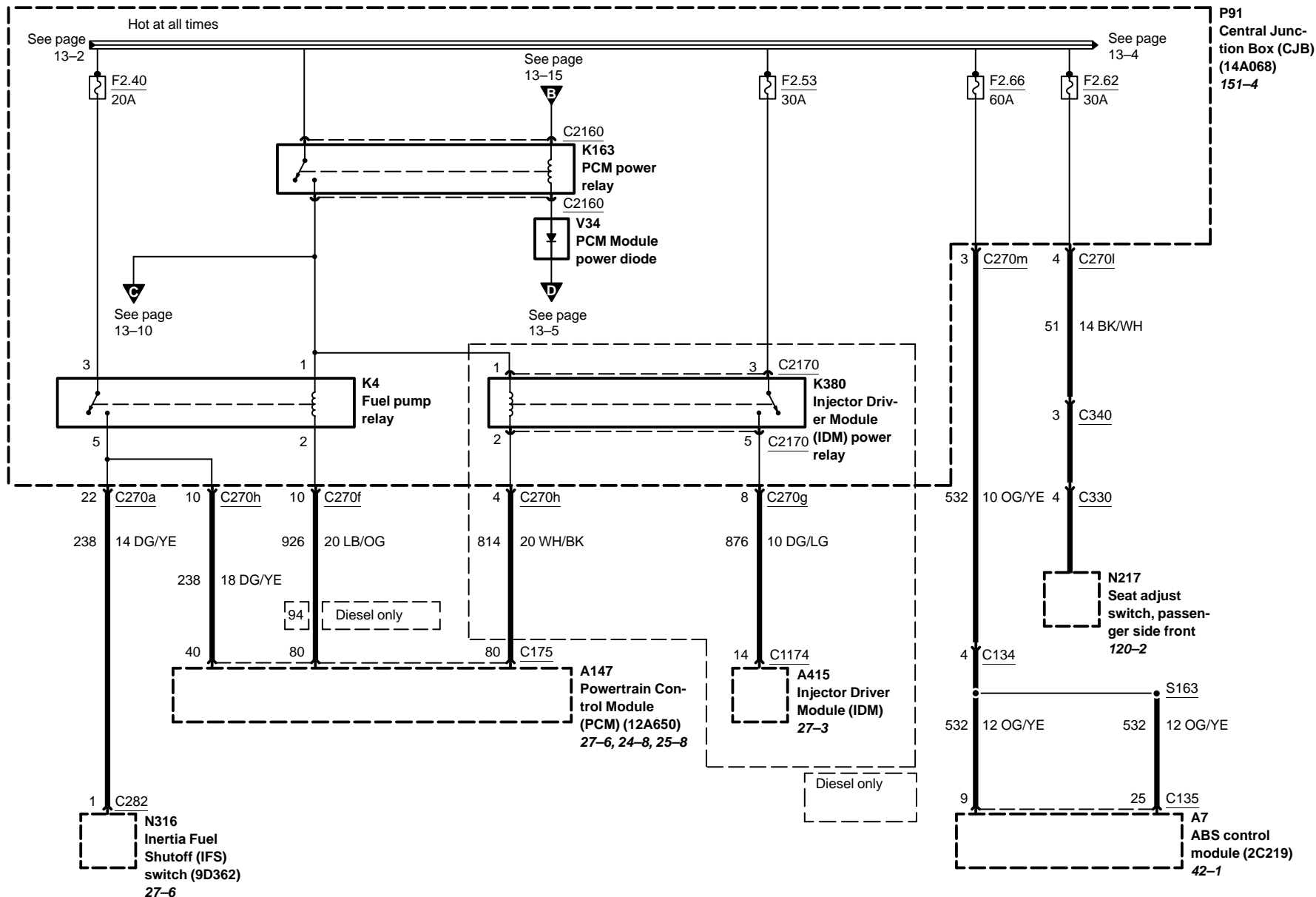
Excursion, F2.1, F2.2, F2.3, F2.4, F2.5, F2.10, F2.11, F2.14



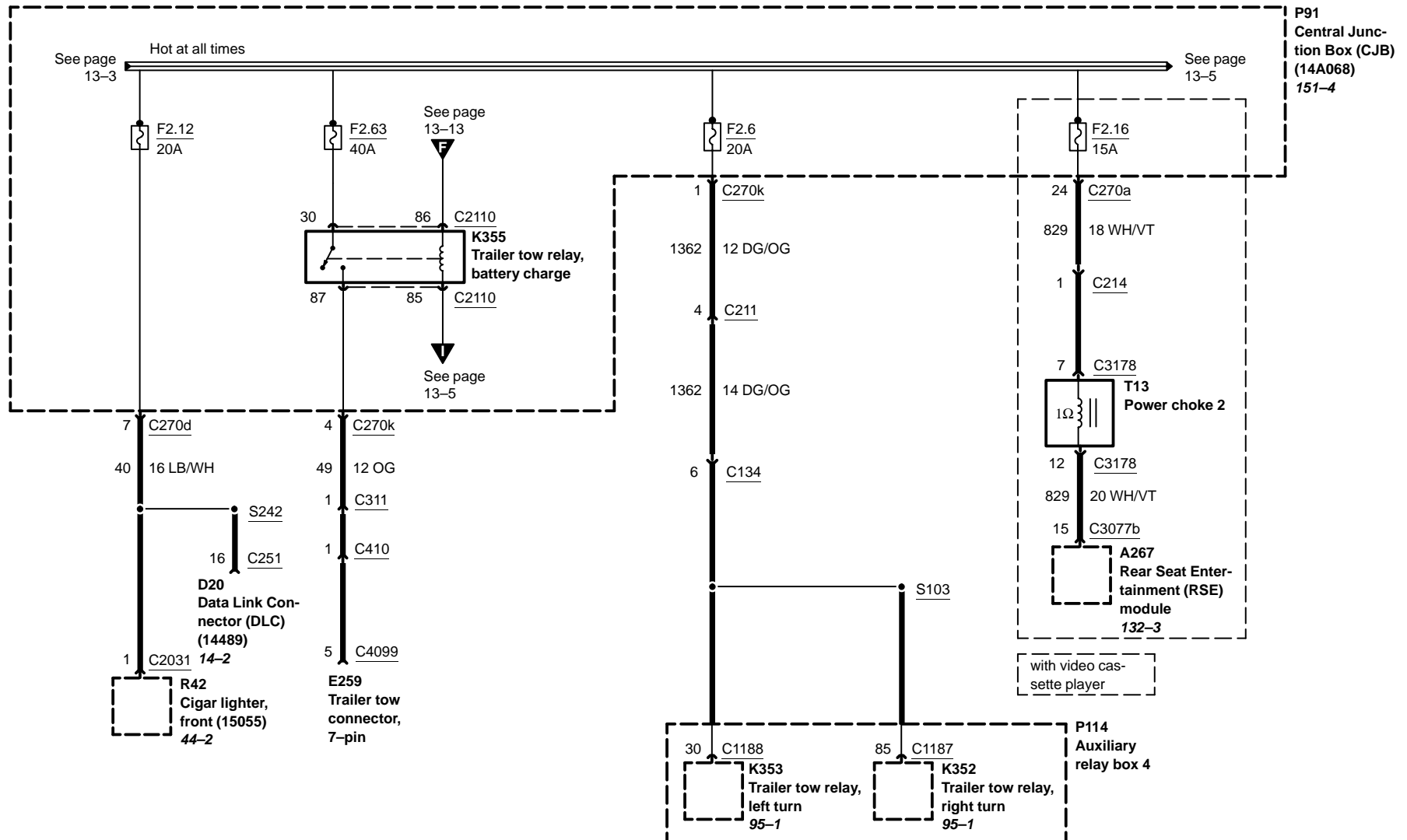
Excursion, F2.9, F2.37, F2.52, F2.61



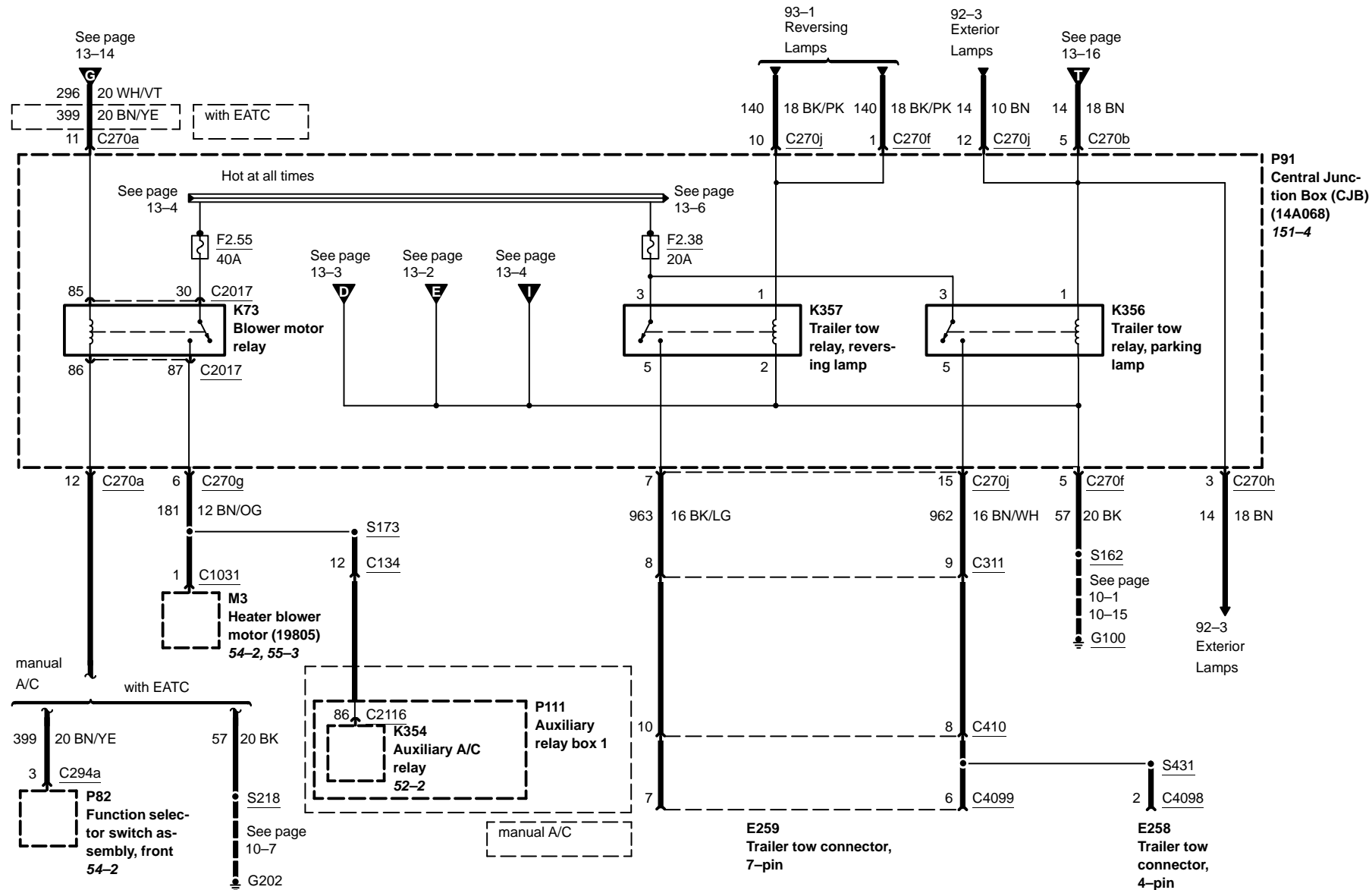
Excursion, F2.40, F2.53, F2.65, F2.66



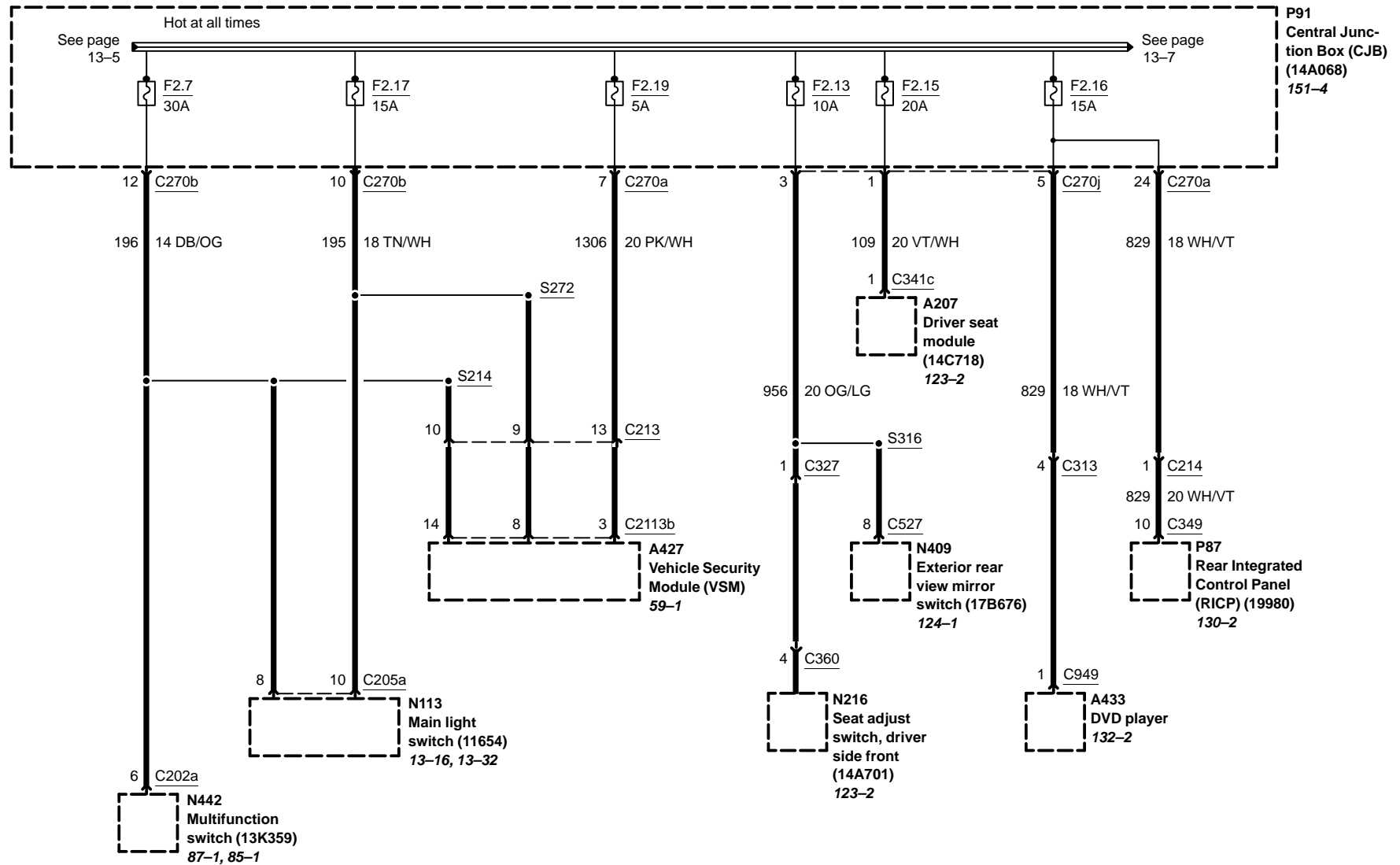
Excursion, F2.6, F2.12, F2.16, F2.63



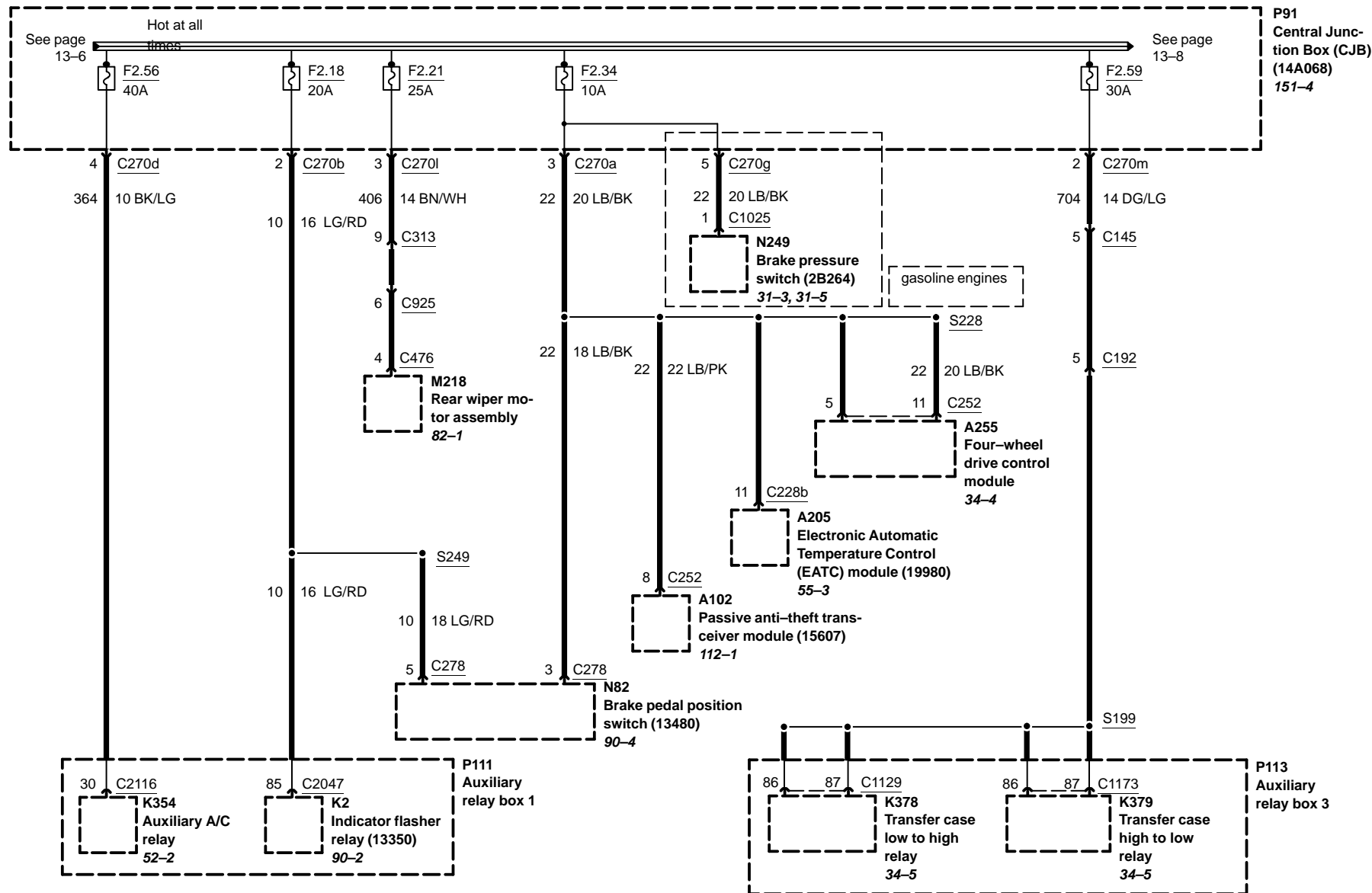
Excursion, F2.38, F2.55



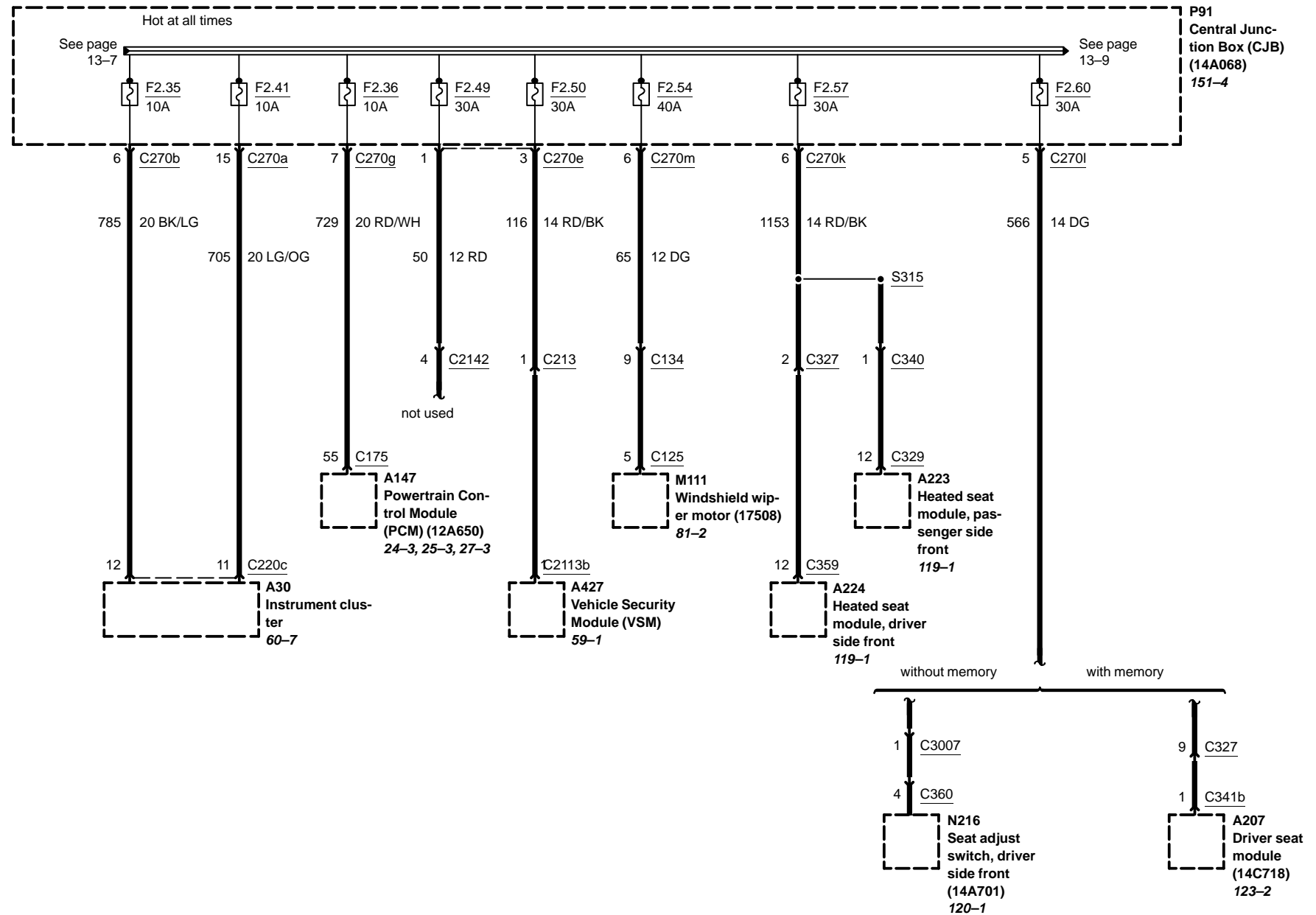
Excursion, F2.7, F2.13, F2.15, F2.16, F2.17, F2.19



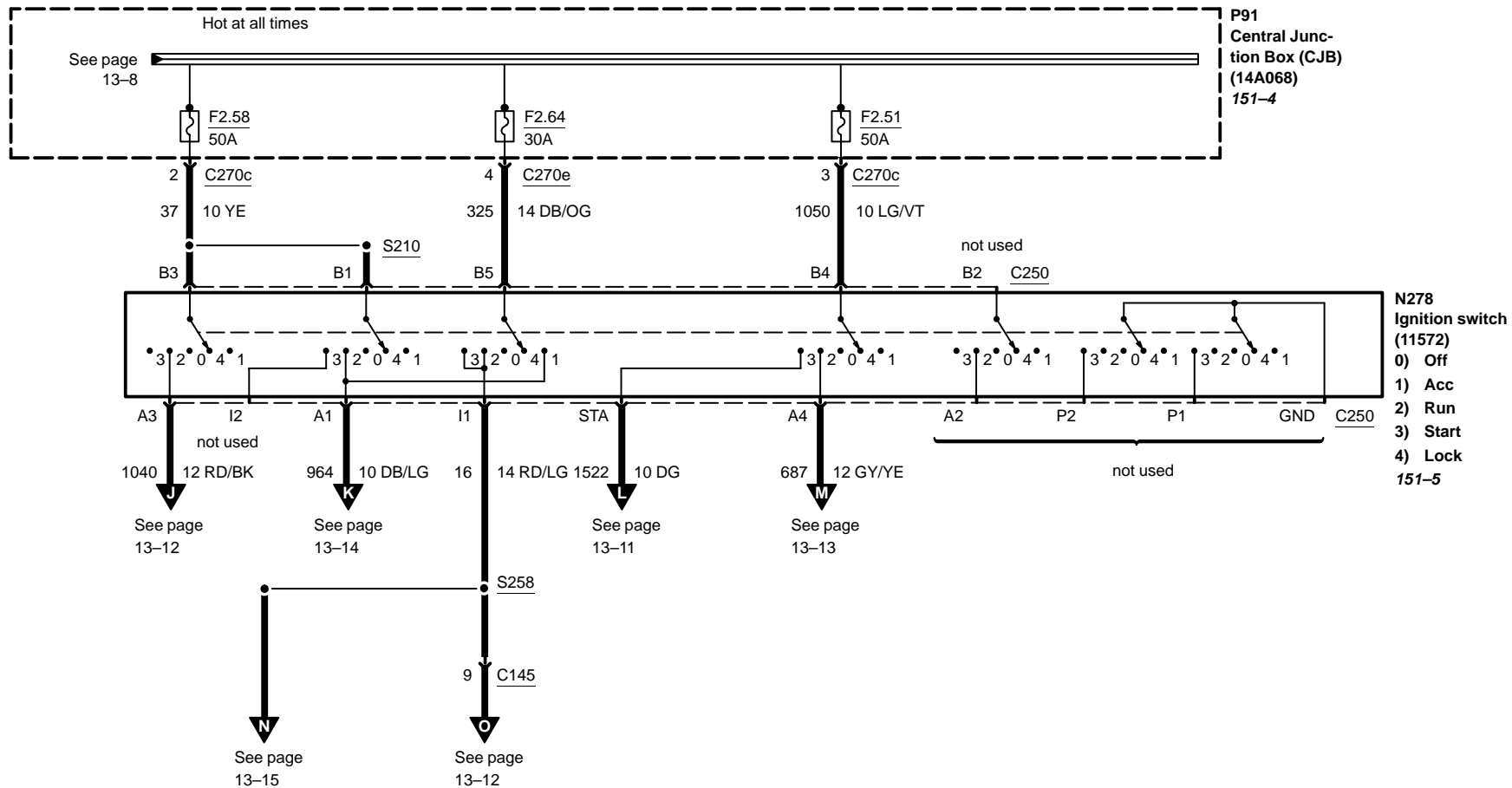
Excursion, F2.18, F2.21, F2.34, F2.56, F2.59



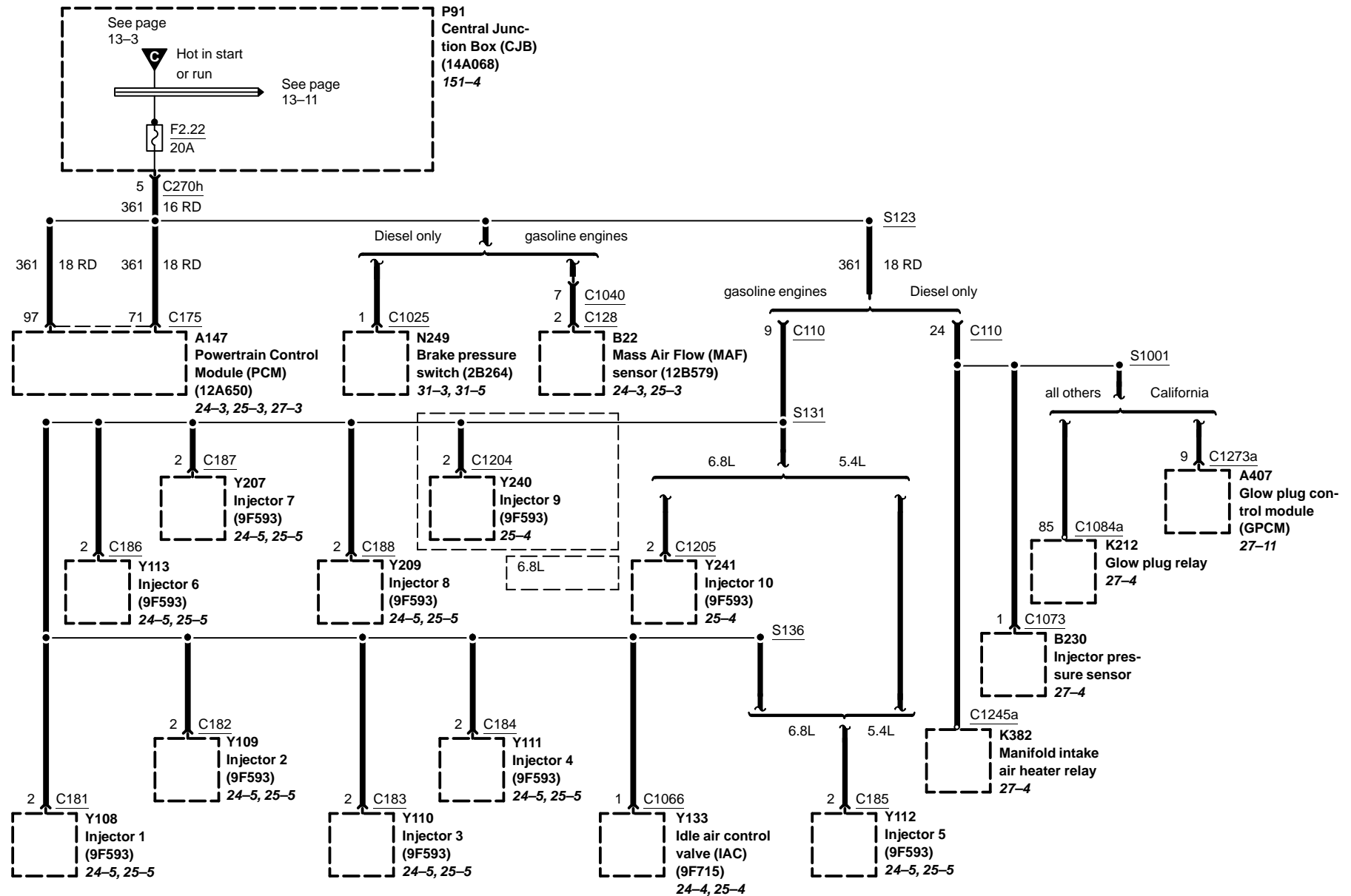
Excursion, F2.35, F2.36, F2.41, F2.49, F2.50, F2.54, F2.57, F2.60



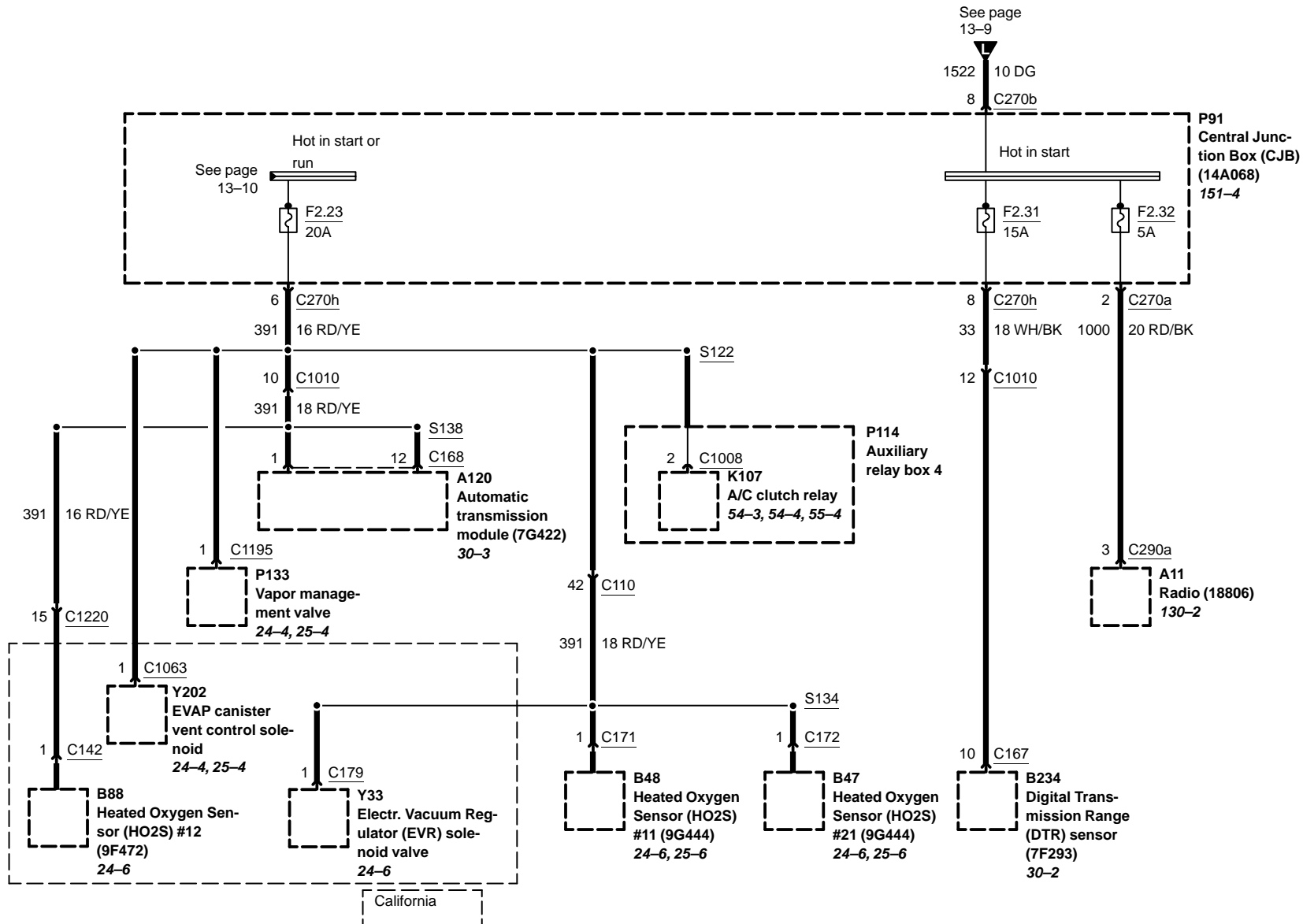
Excursion, F2.51, F2.58, F2.64



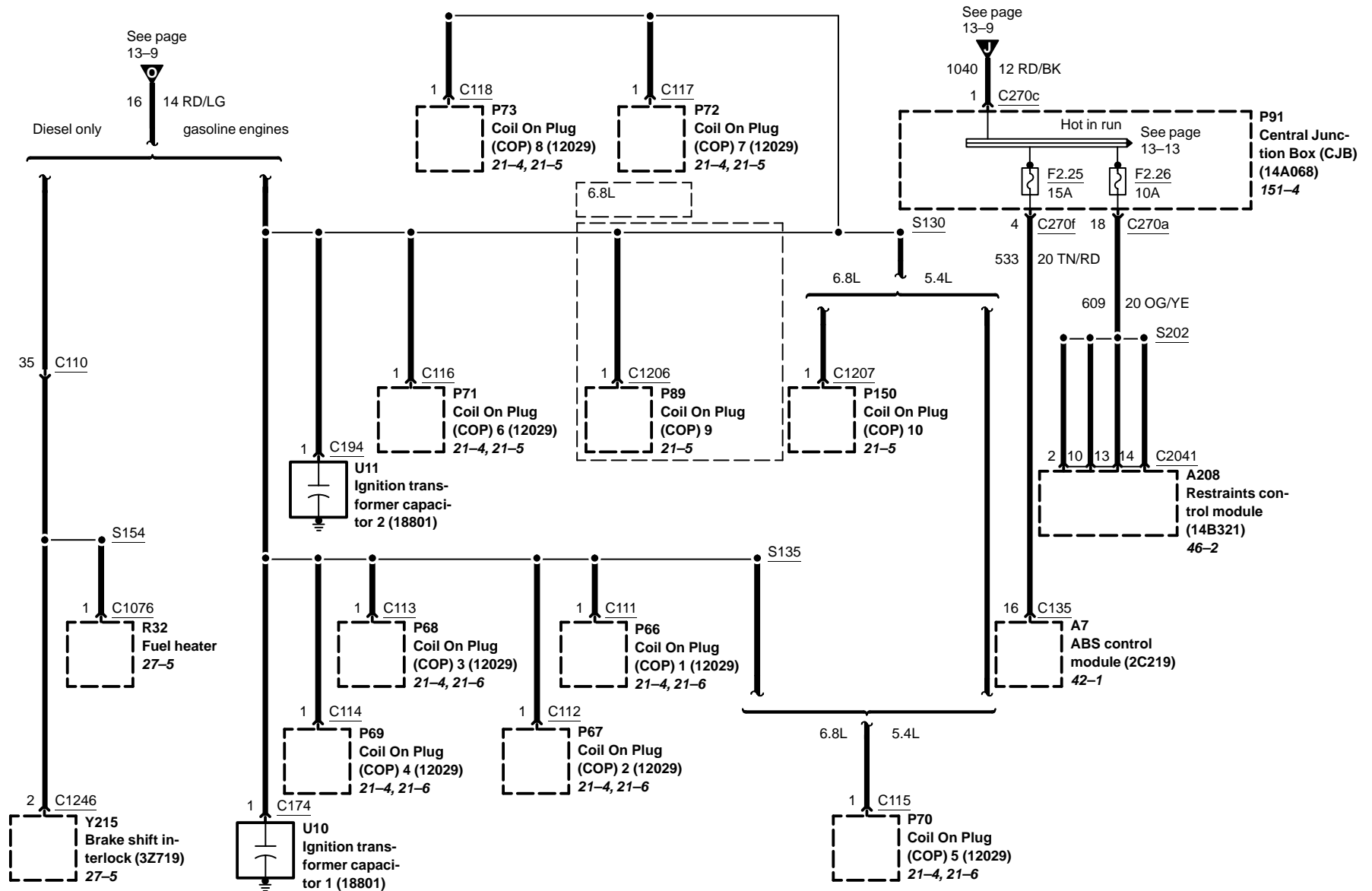
Excursion, F2.22



Excursion, F2.23, F2.31, F2.32

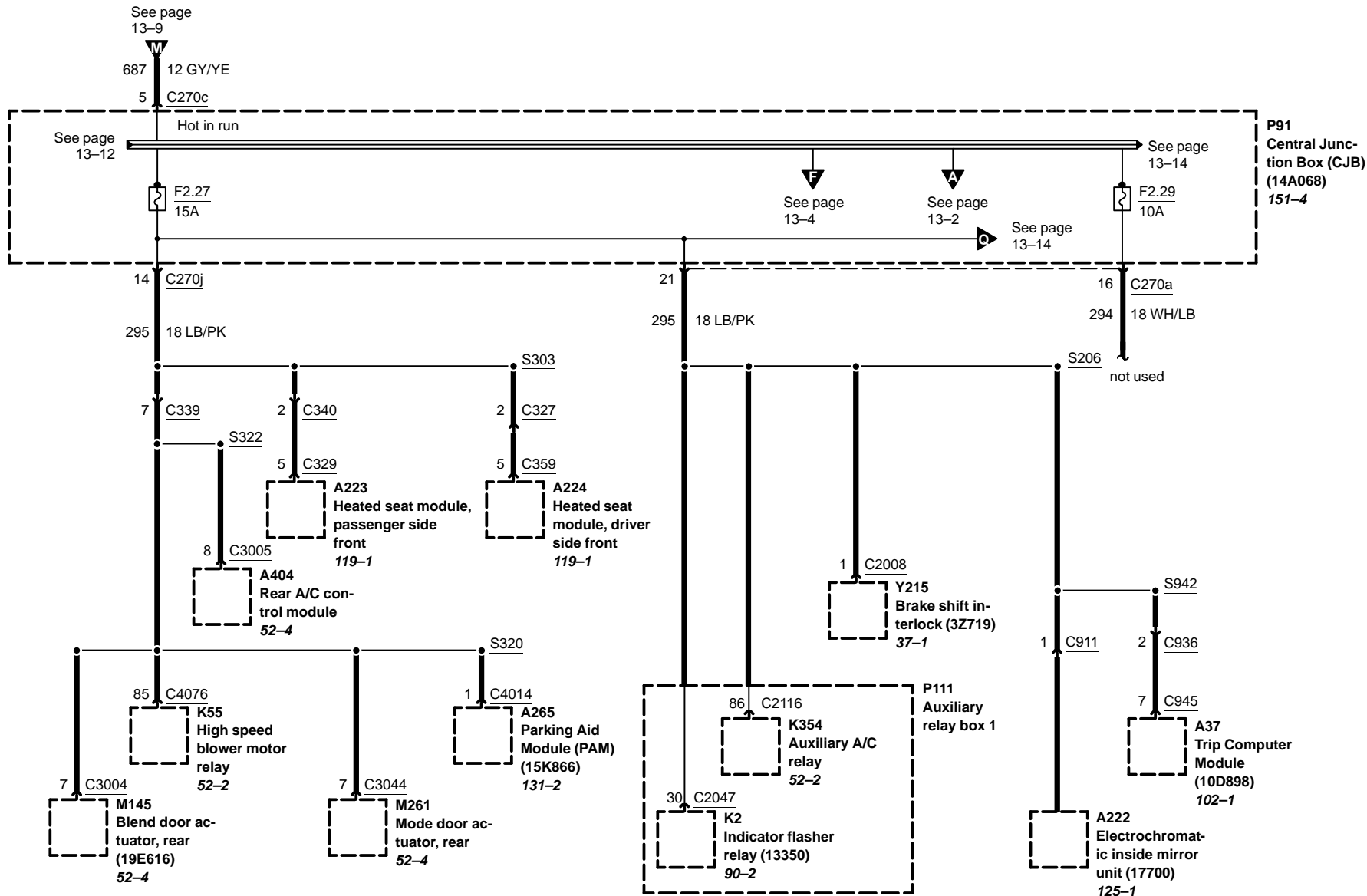


Excursion, F2.25, F2.26

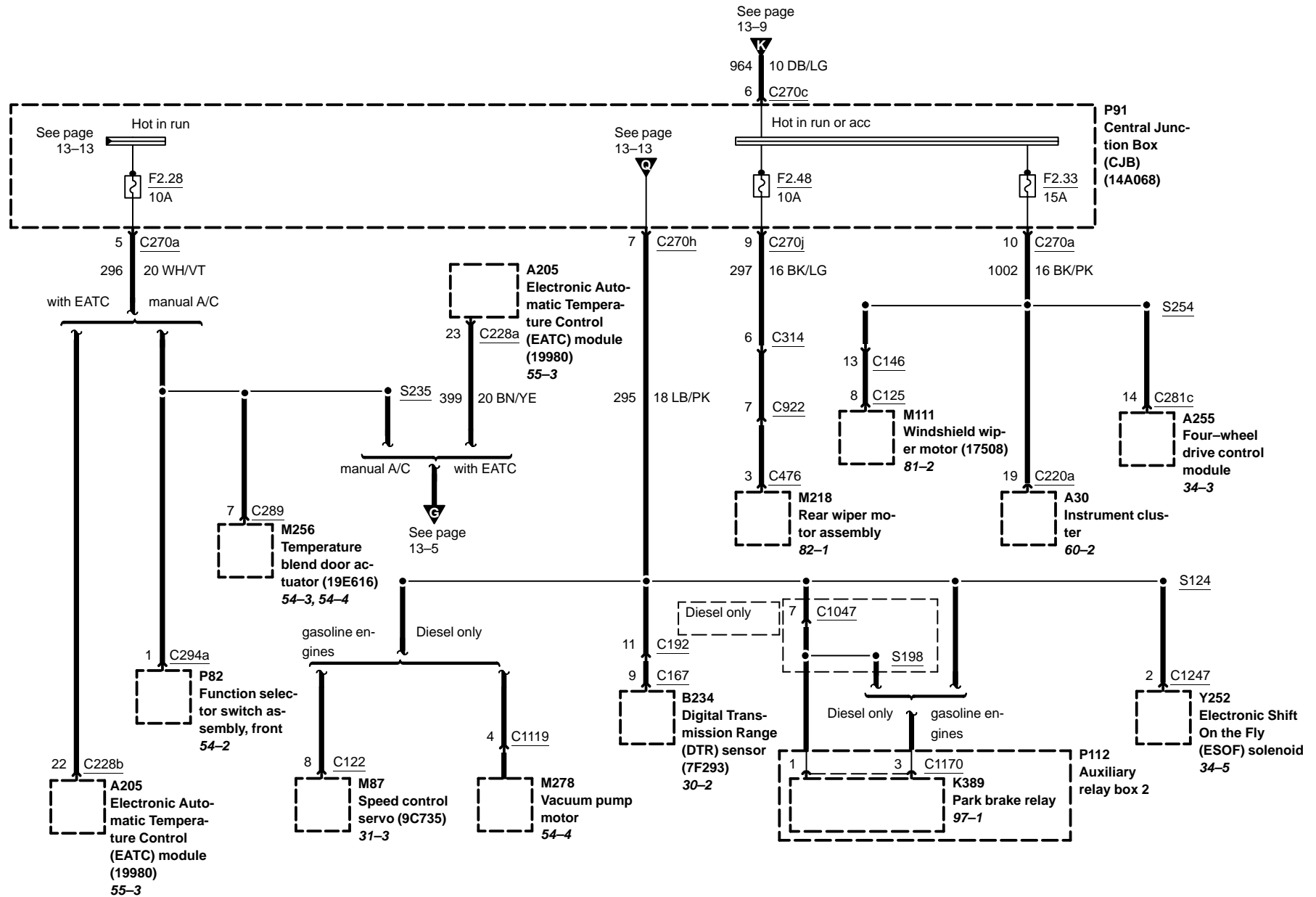


13-13 Power Distribution

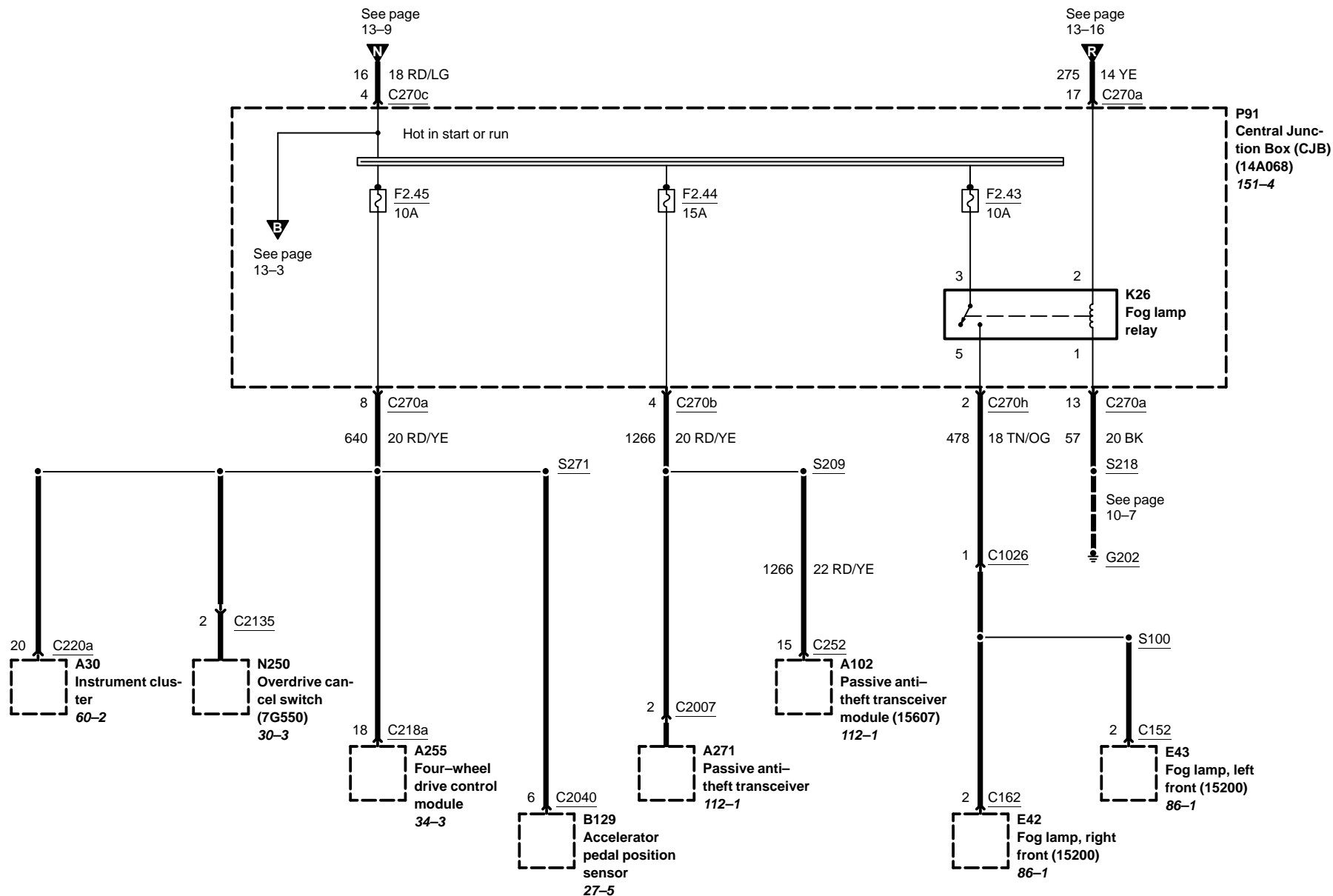
Excursion, F2.27, F2.29



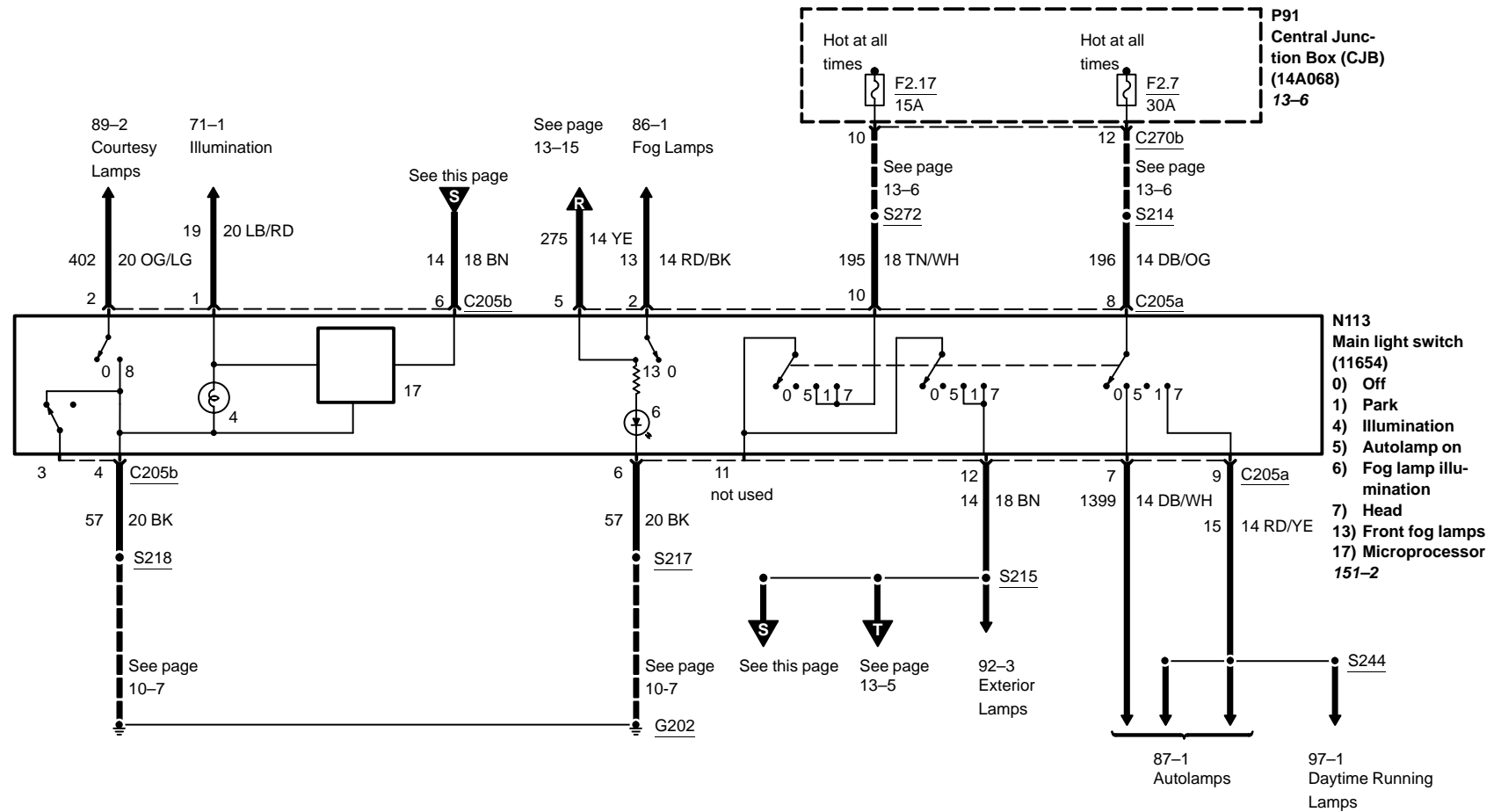
Excursion, F2.28, F2.33, F2.48



Excursion, F2.43, F2.44, F2.45

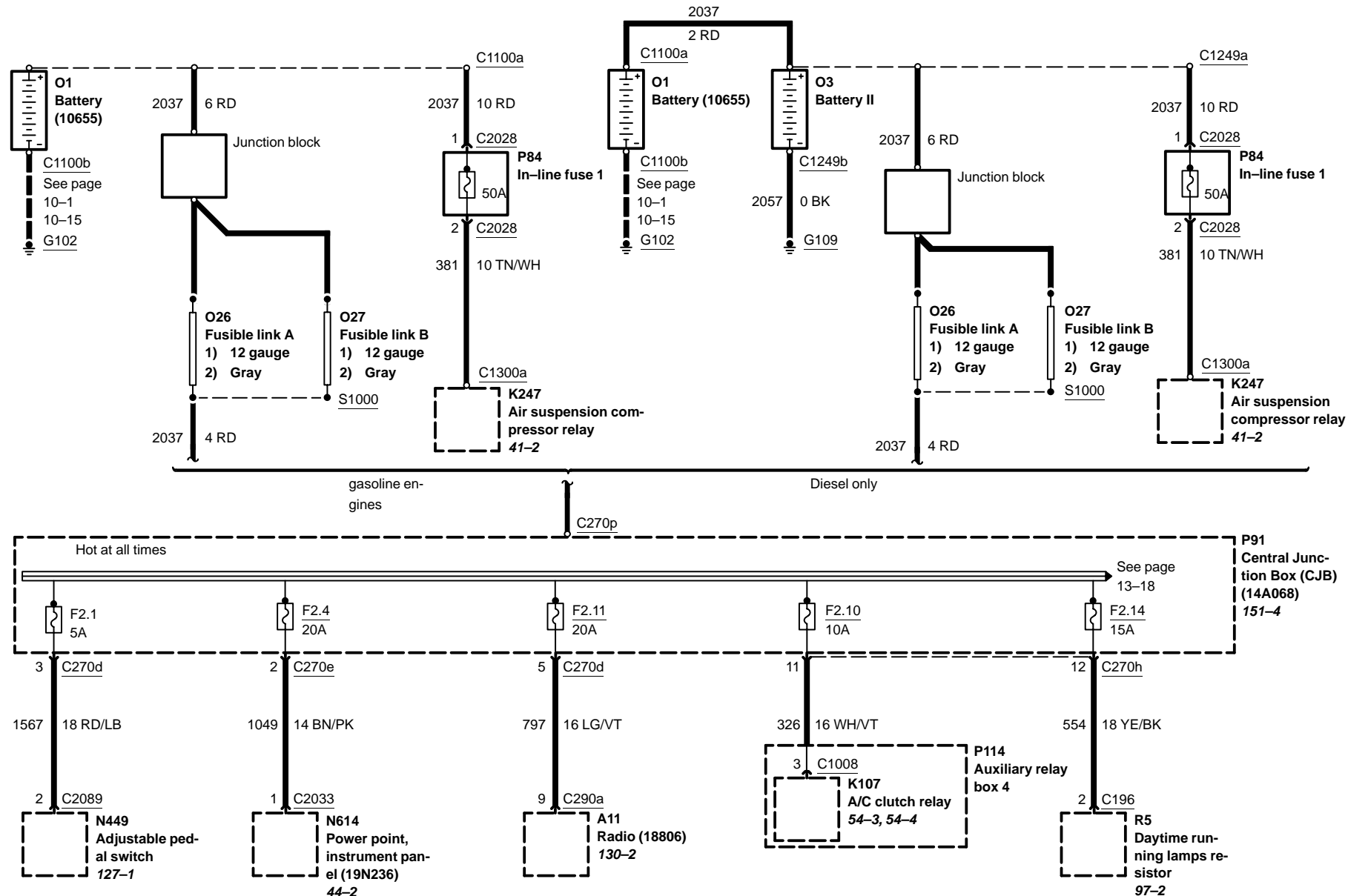


Excursion, F2.7, F2.17

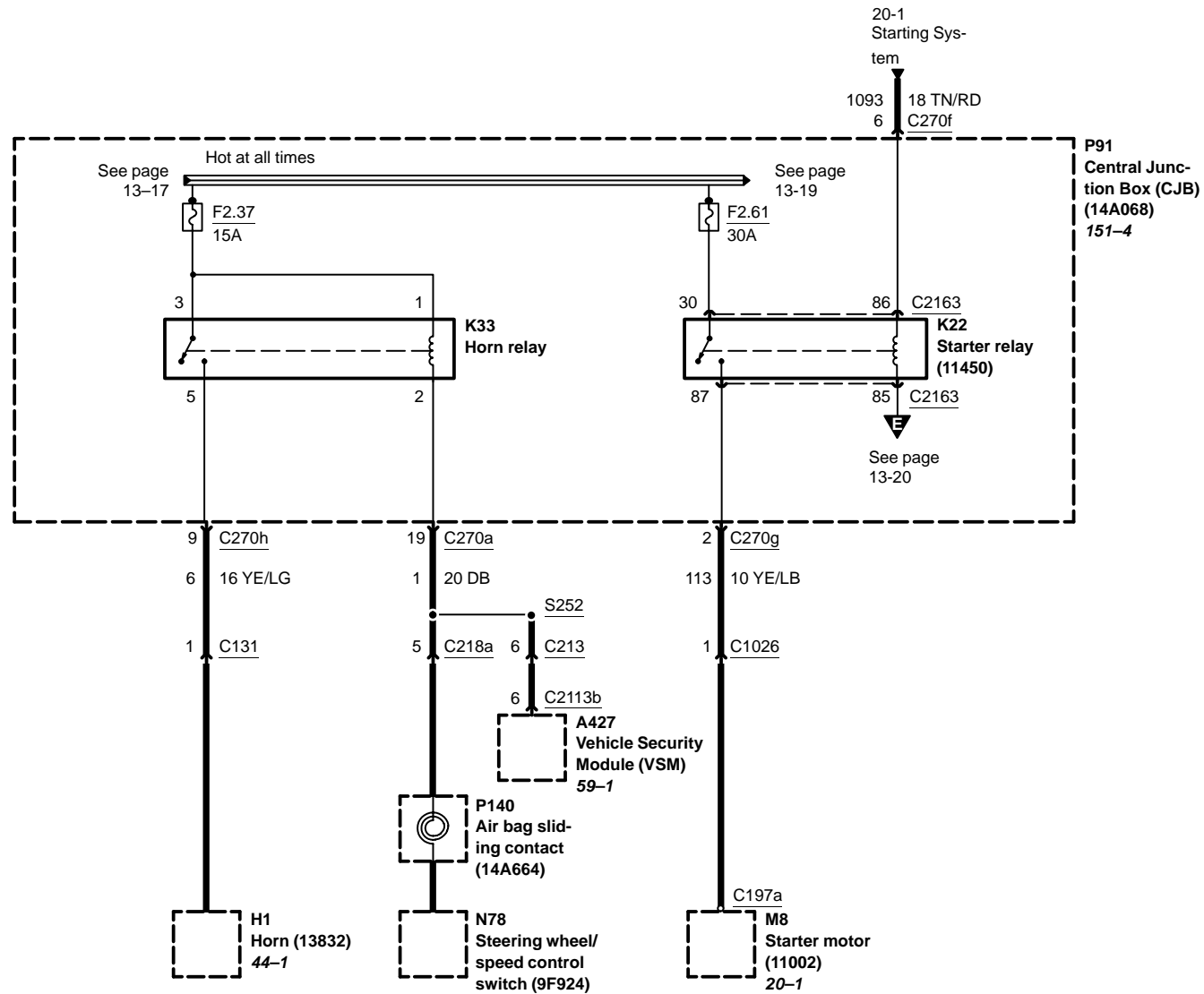


13-17 Power Distribution

Pickup, F2.1, F2.4, F2.10, F2.11, F2.14

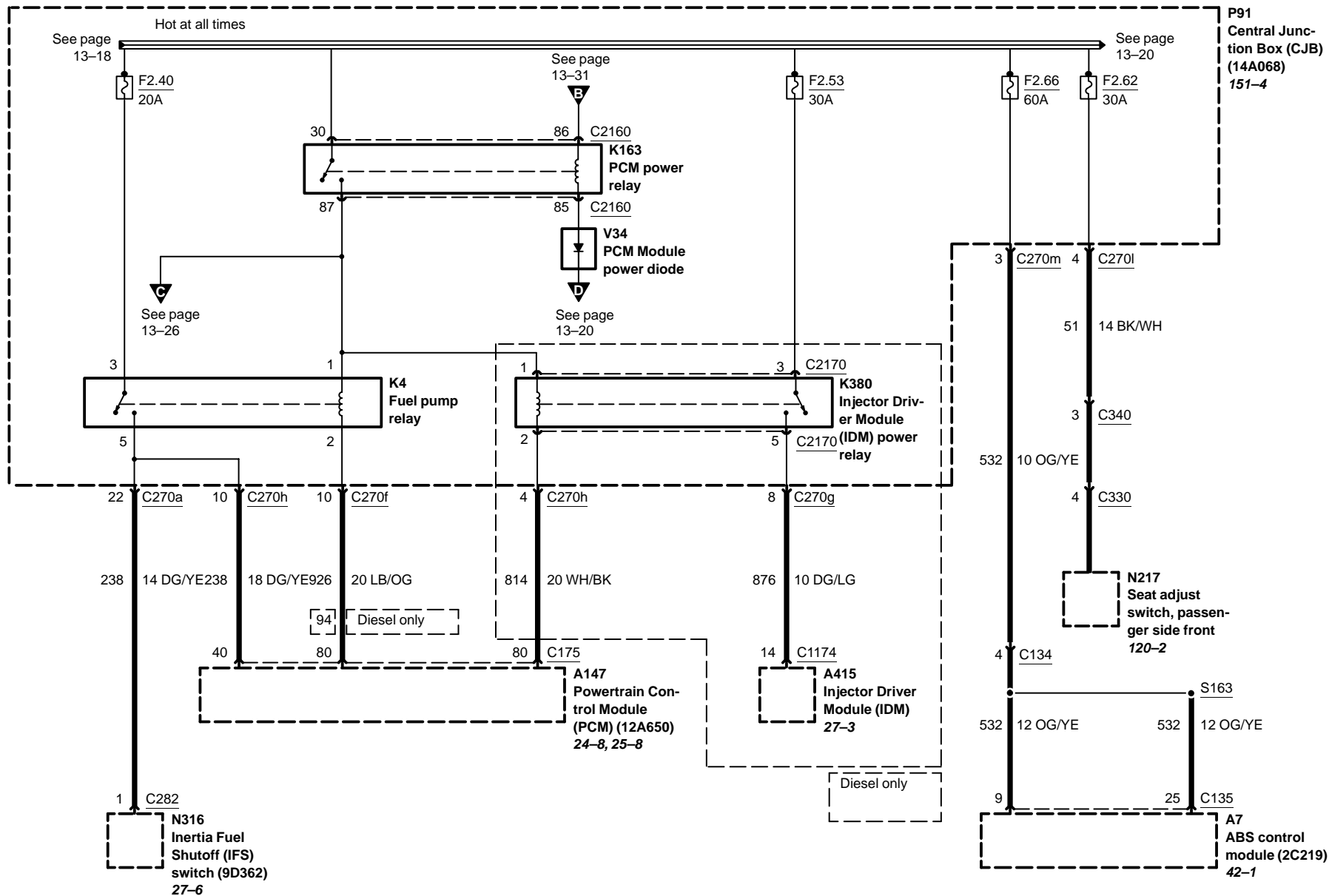


Pickup, F2.37, F2.61

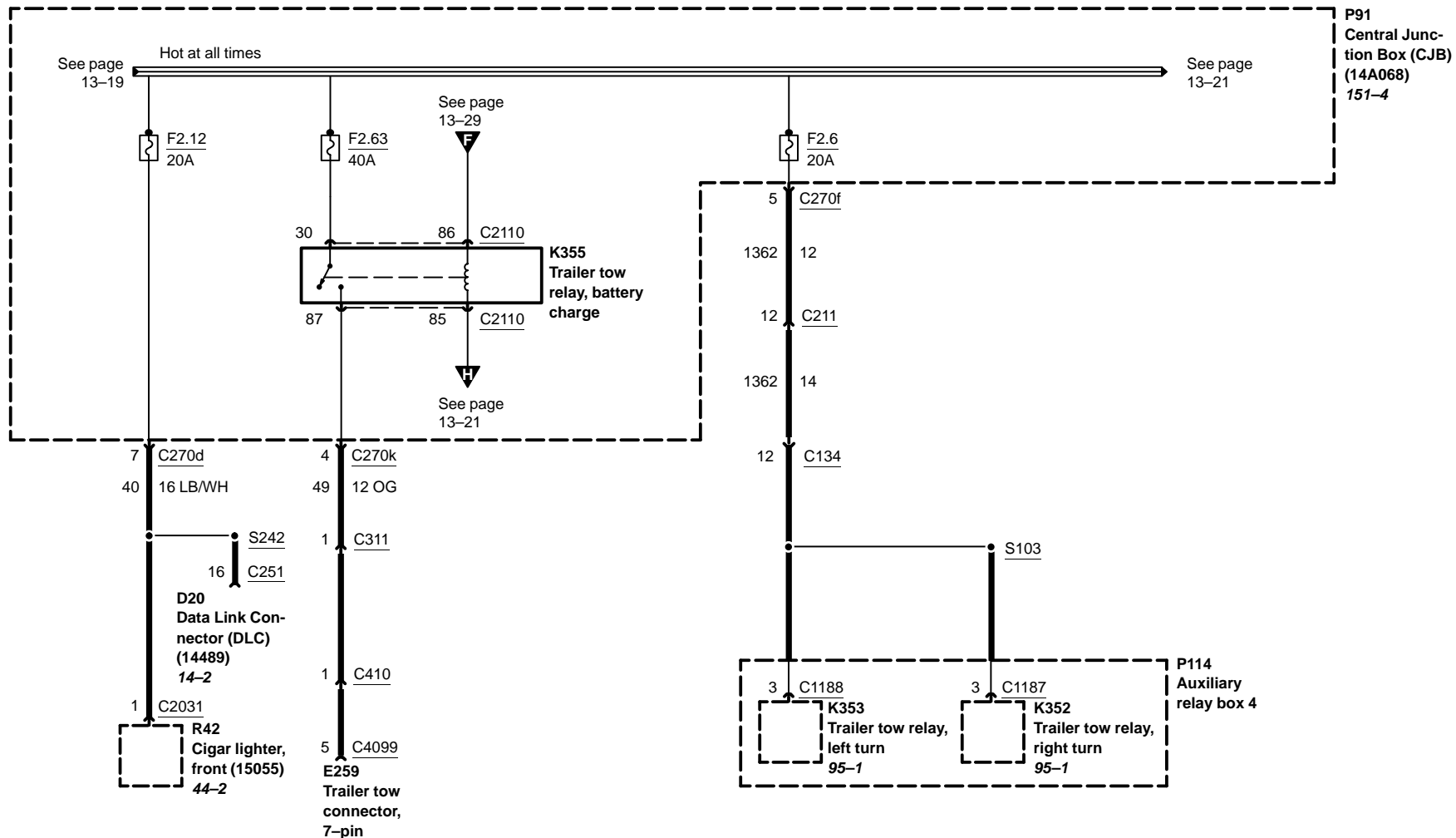


13-19 Power Distribution

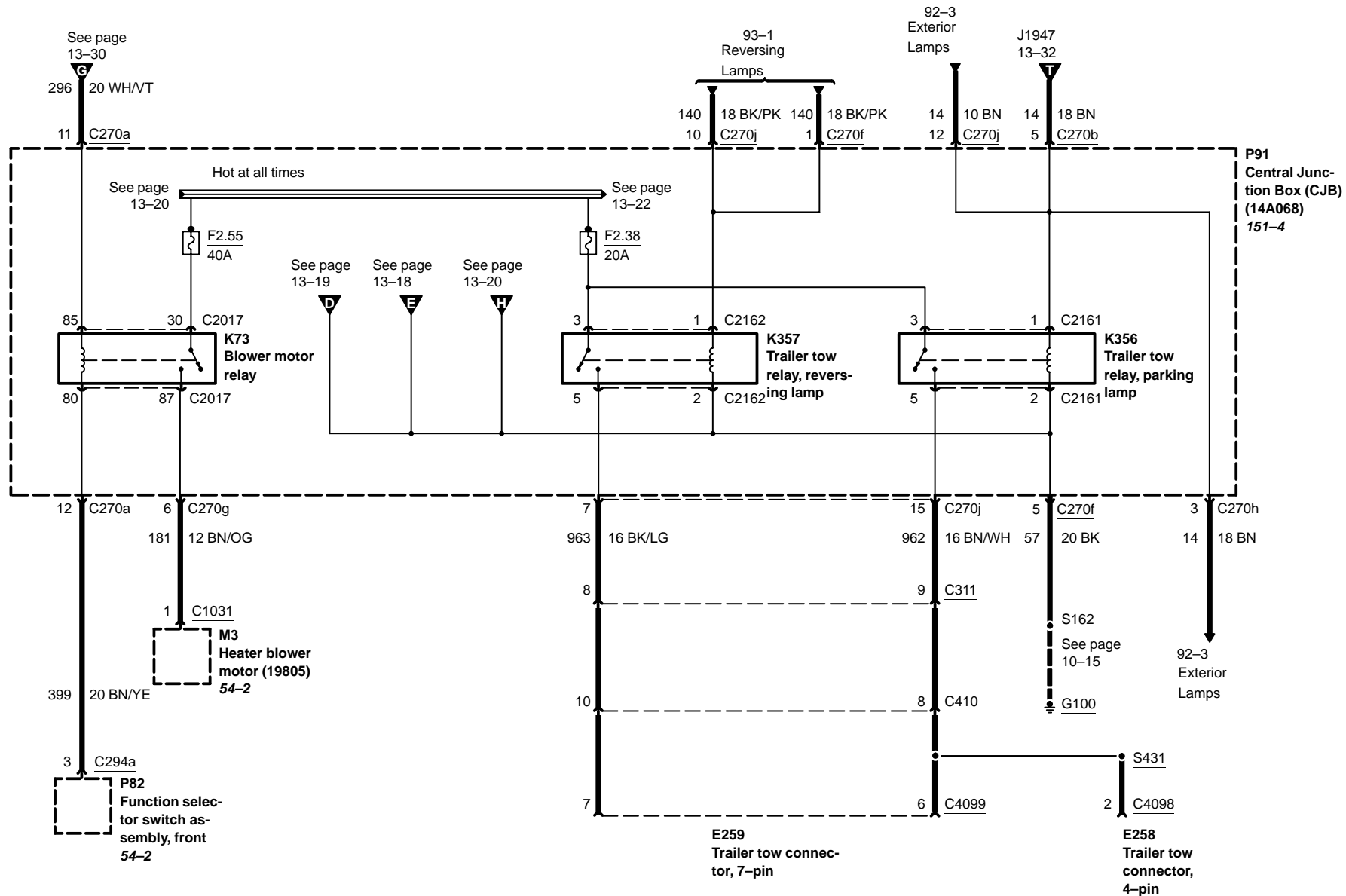
Pickup, F2.40, F2.53, F2.65, F2.66



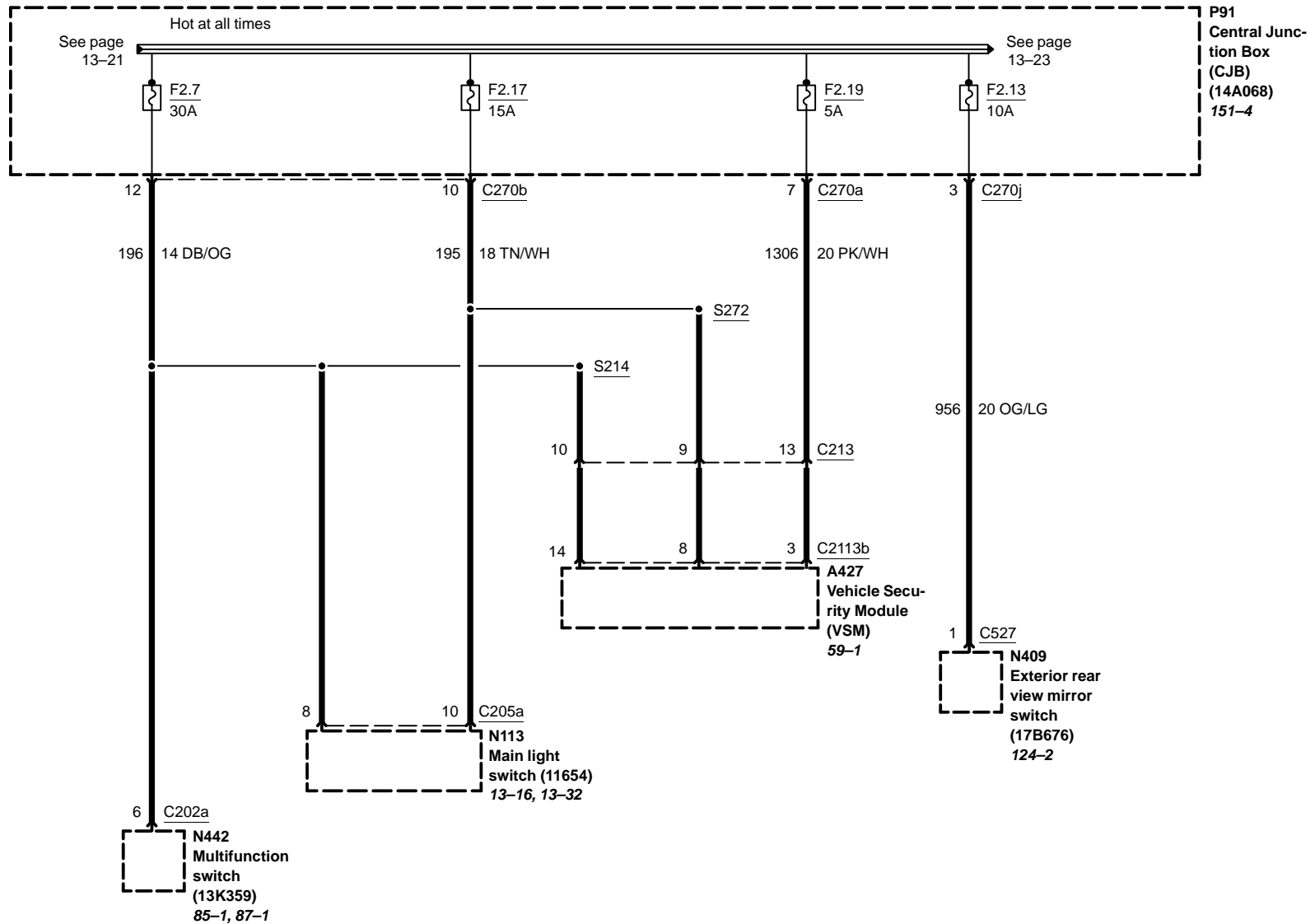
Pickup, F2.6, F2.12, F2.63



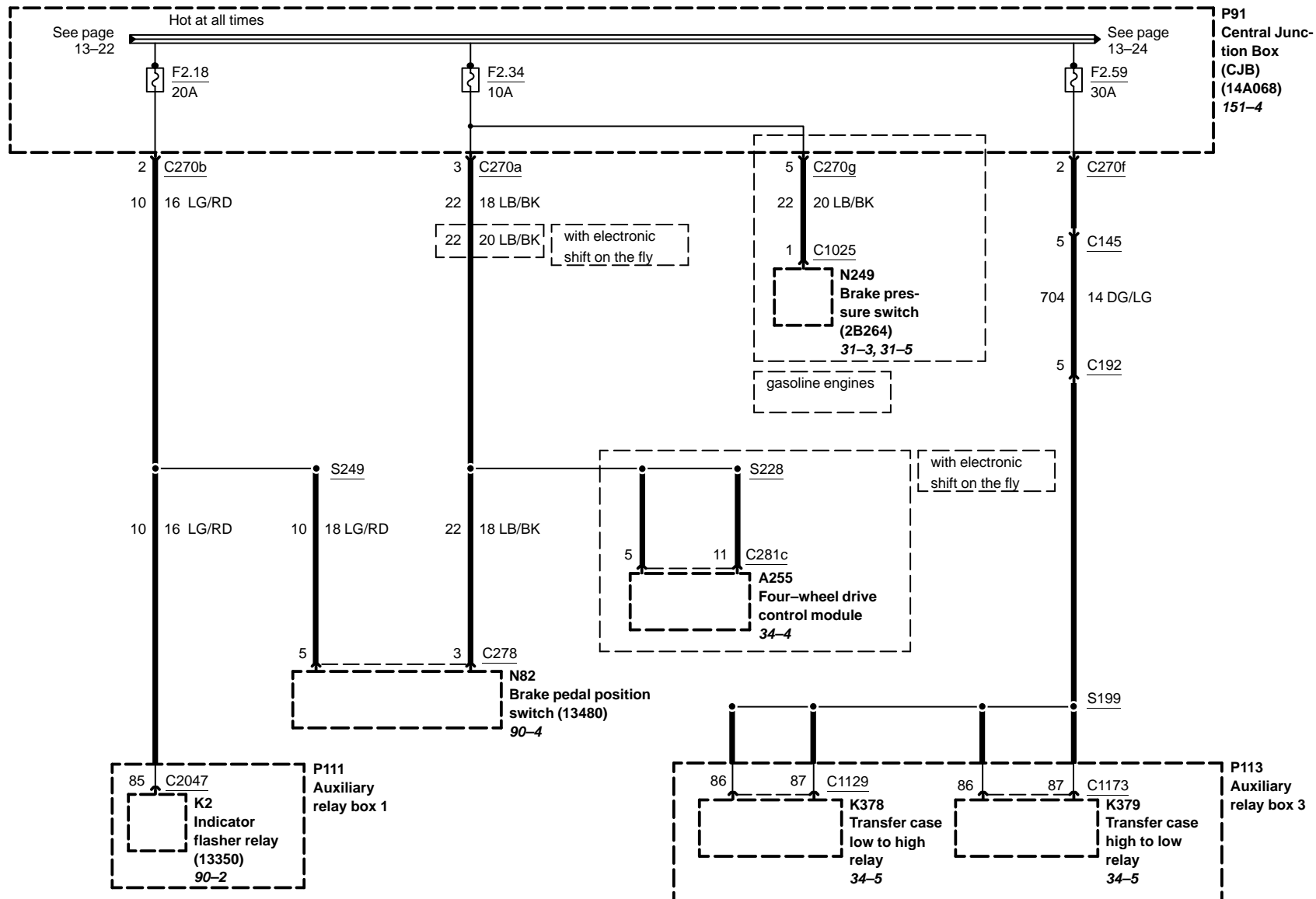
Pickup, F2.38, F2.55



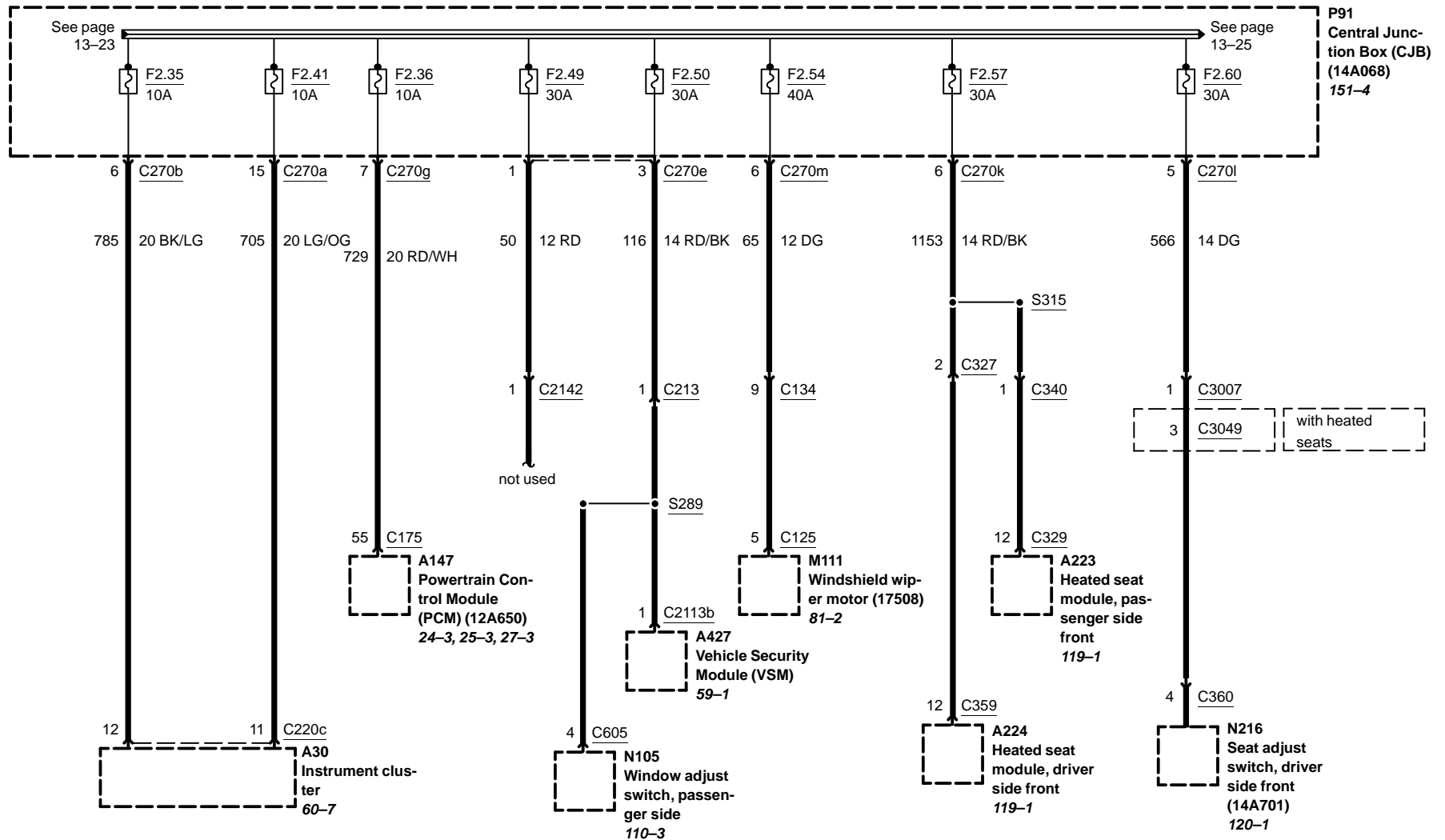
Pickup, F2.7, F2.13, F2.17, F2.19



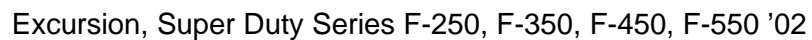
Pickup, F2.18, F2.34, F2.59



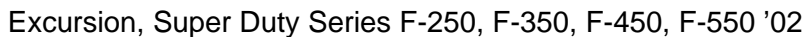
Pickup, F2.35, F2.36, F2.41, F2.49, F2.50, F2.54, F2.57, F2.60



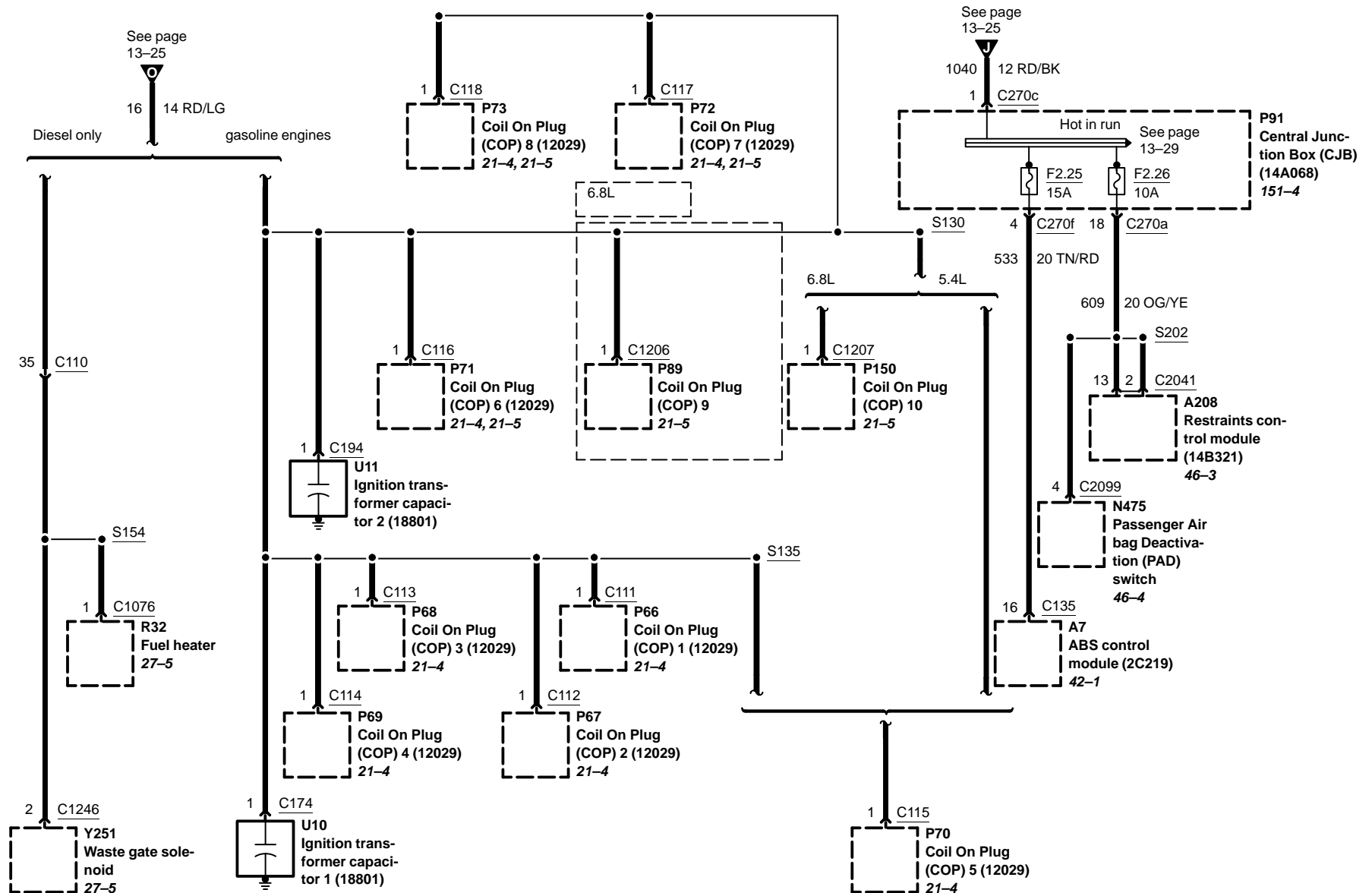
Pickup, F2.51, F2.58, F2.64



Pickup, F2.23, F2.31, F2.32

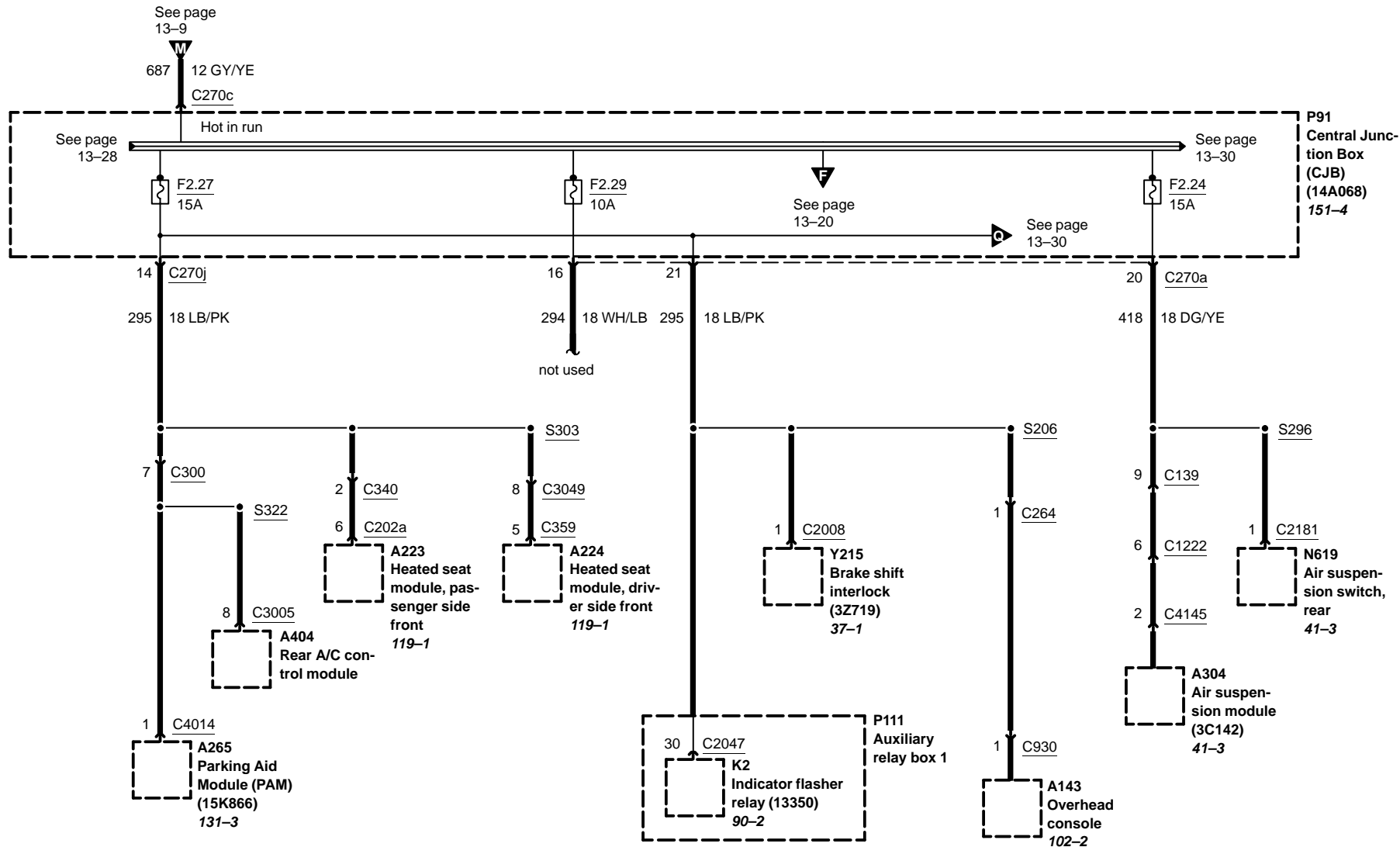


Pickup, F2.25, F2.26

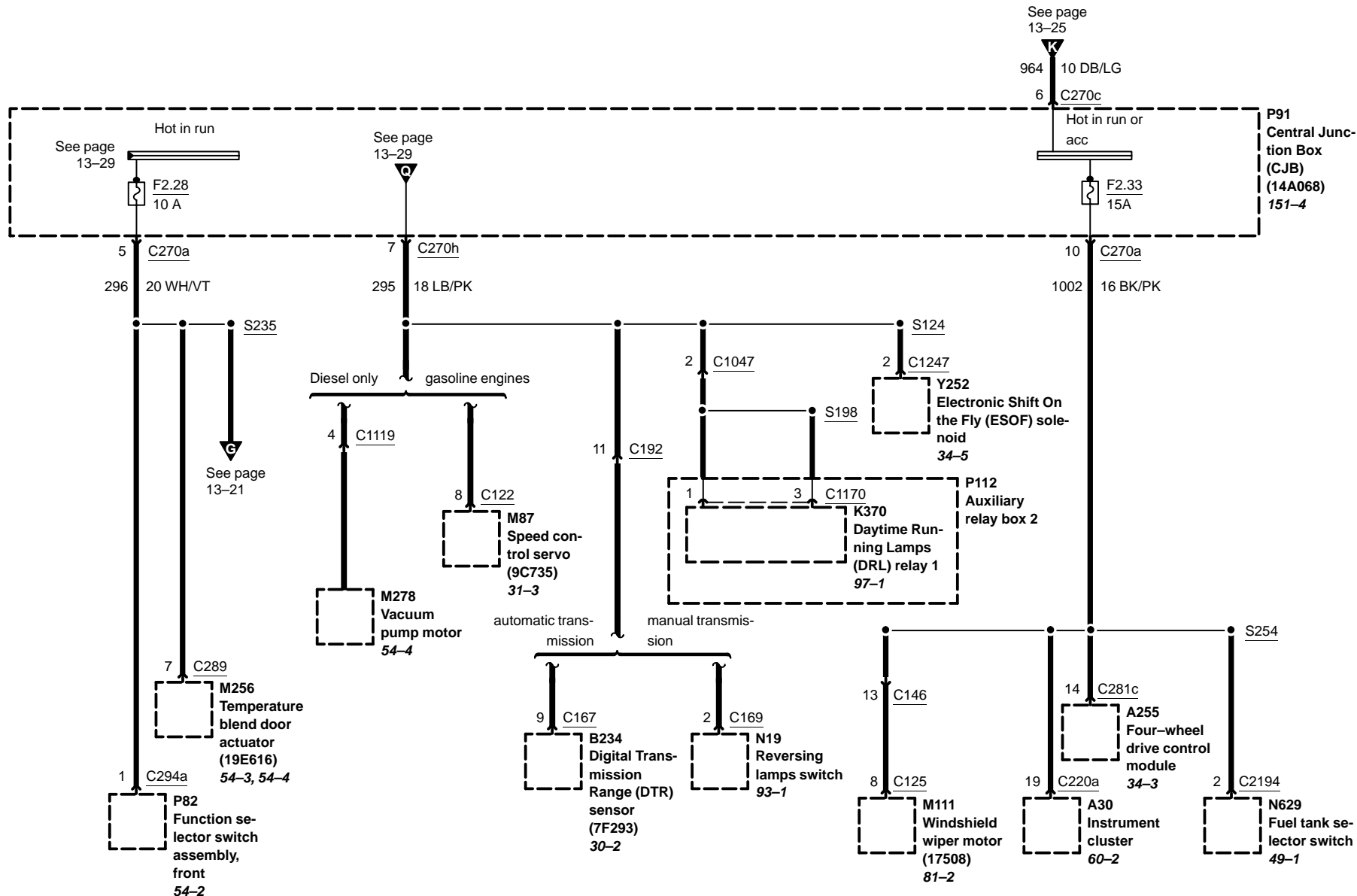


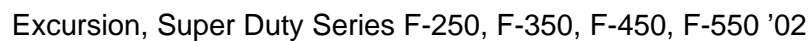
13-29 Power Distribution

Pickup, F2.27, F2.29

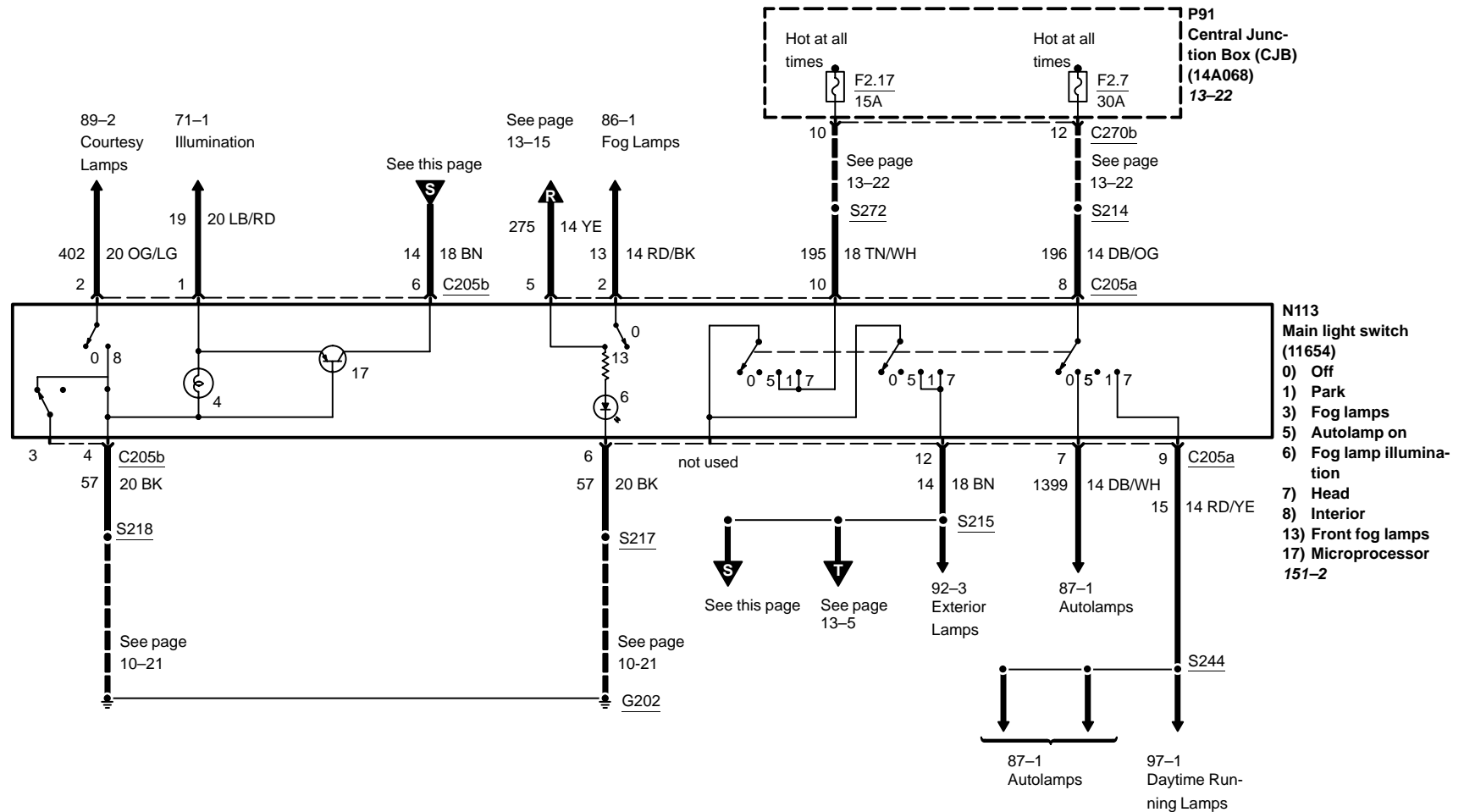


Pickup, F2.28, F2.33, F2.49

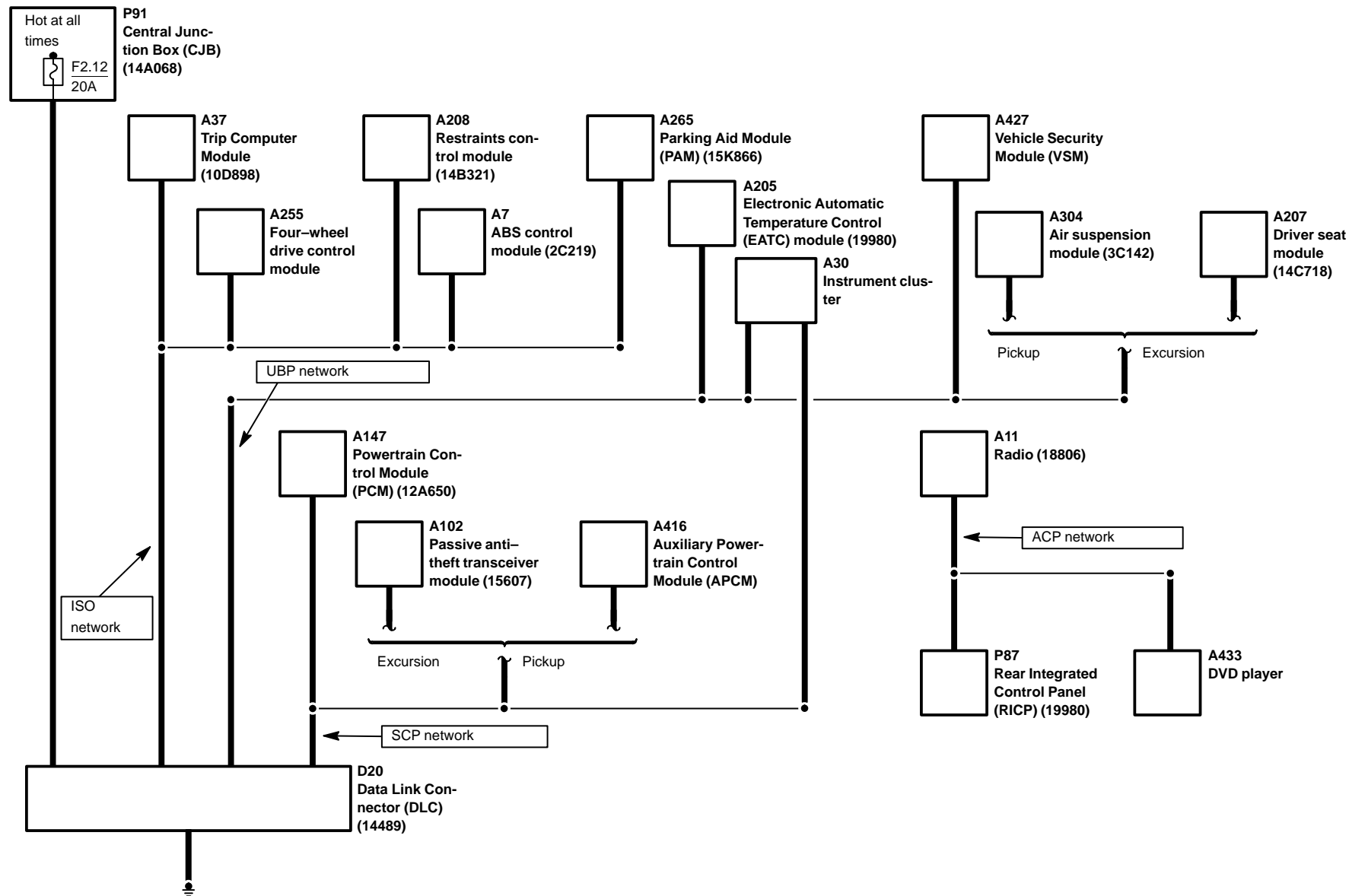




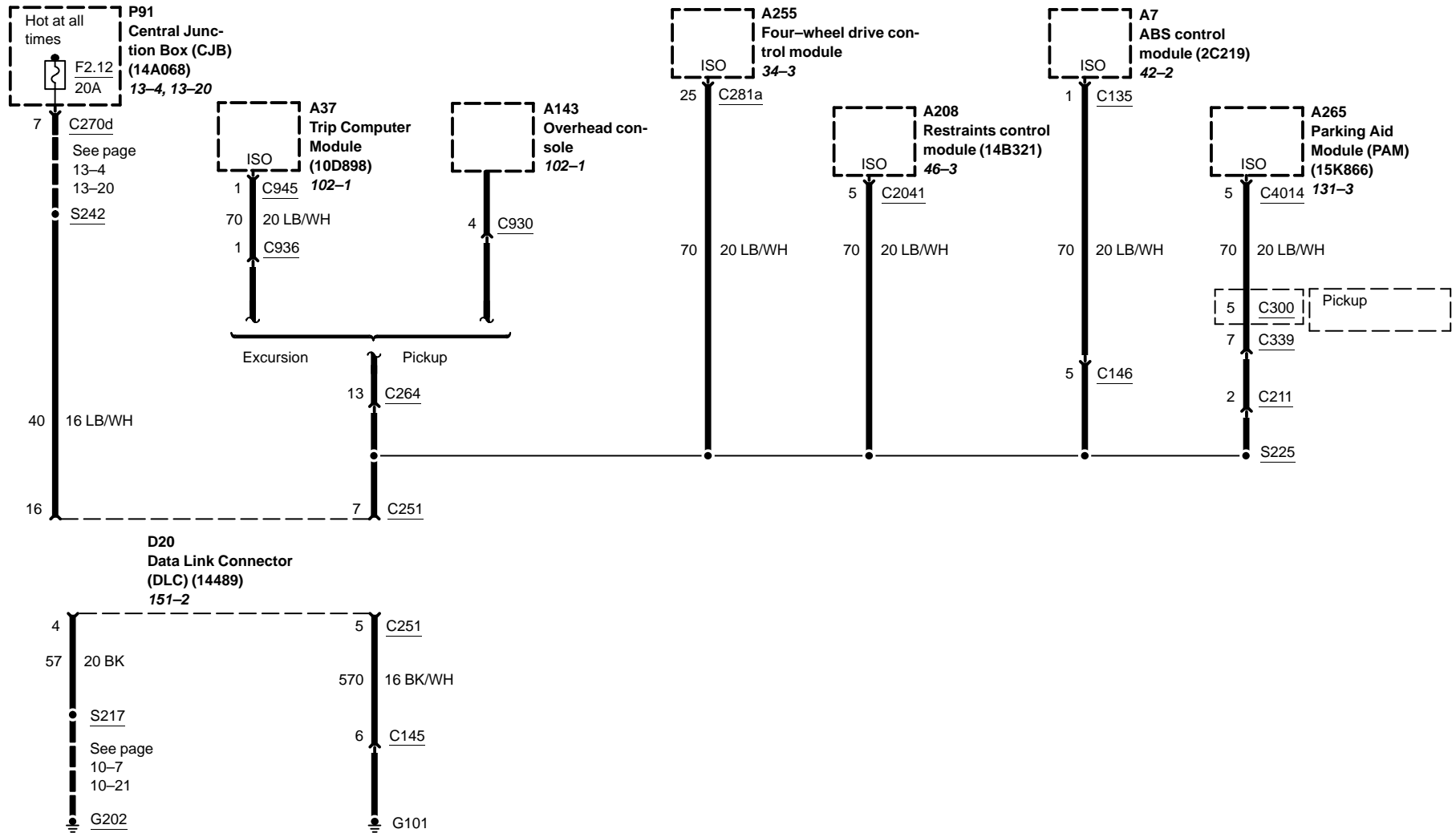
Pickup, F2.7, F2.17



System overview

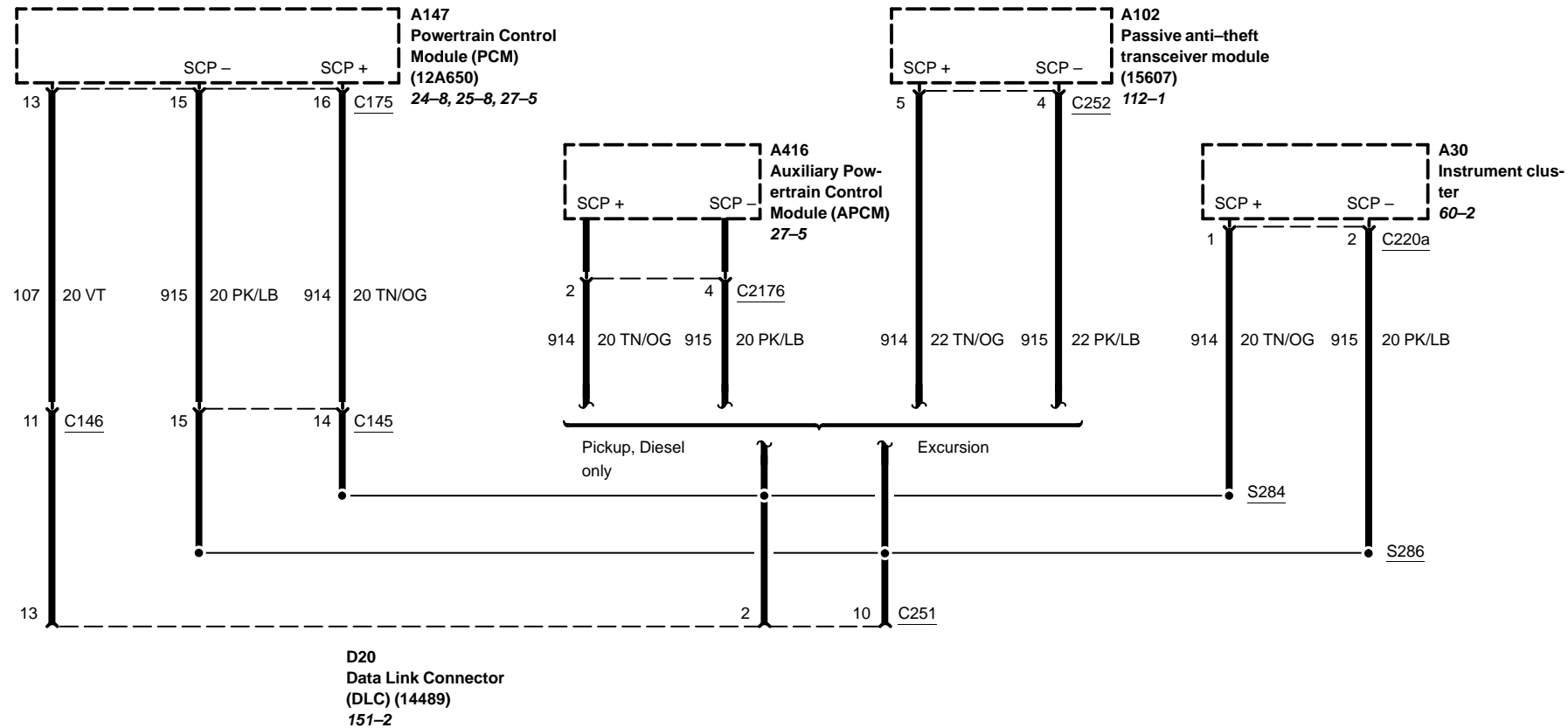


ISO Bus

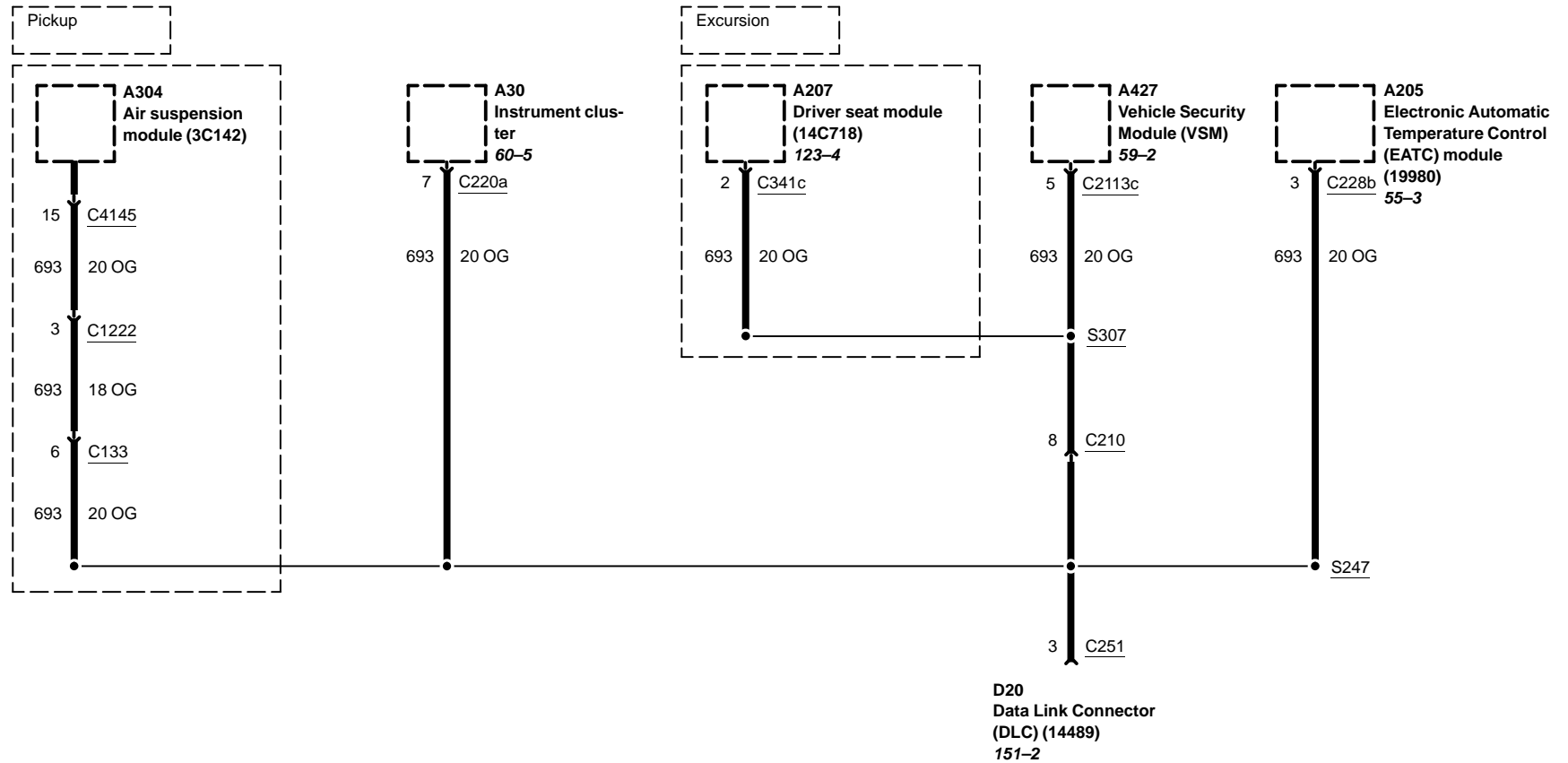


14-3 Module Communications Network

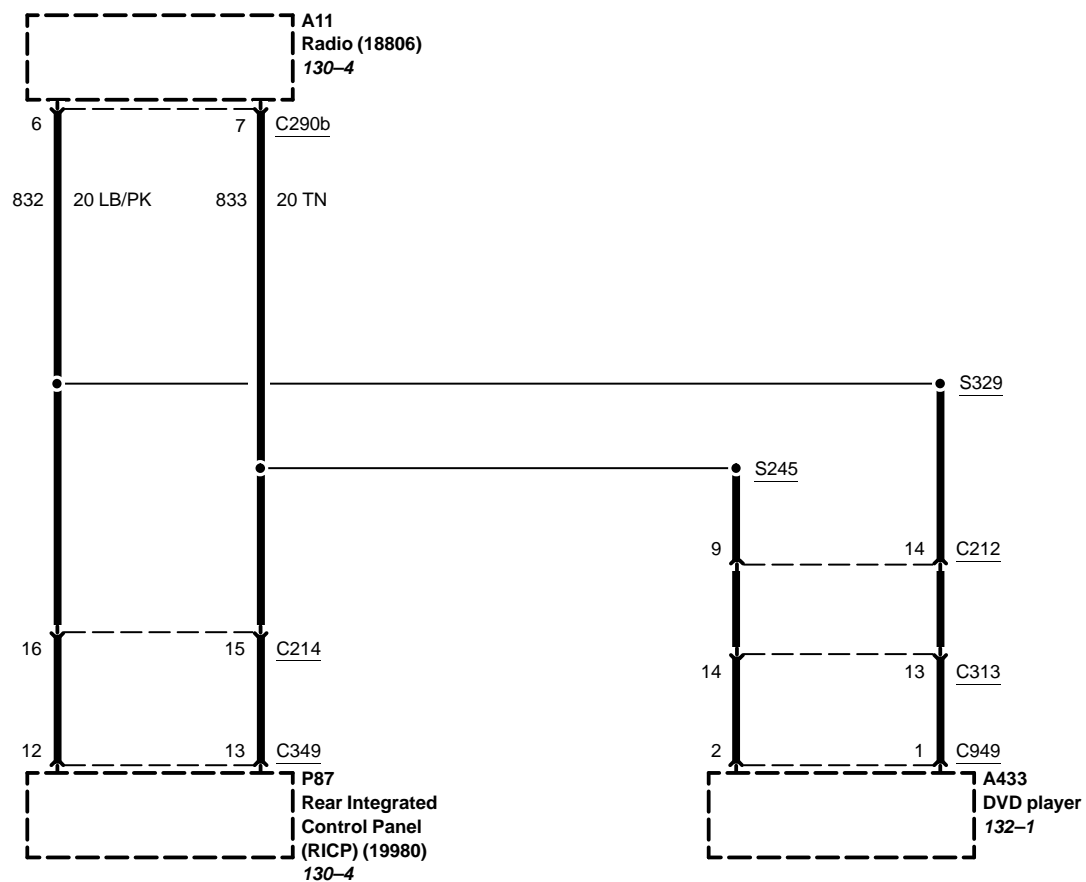
SCP Bus

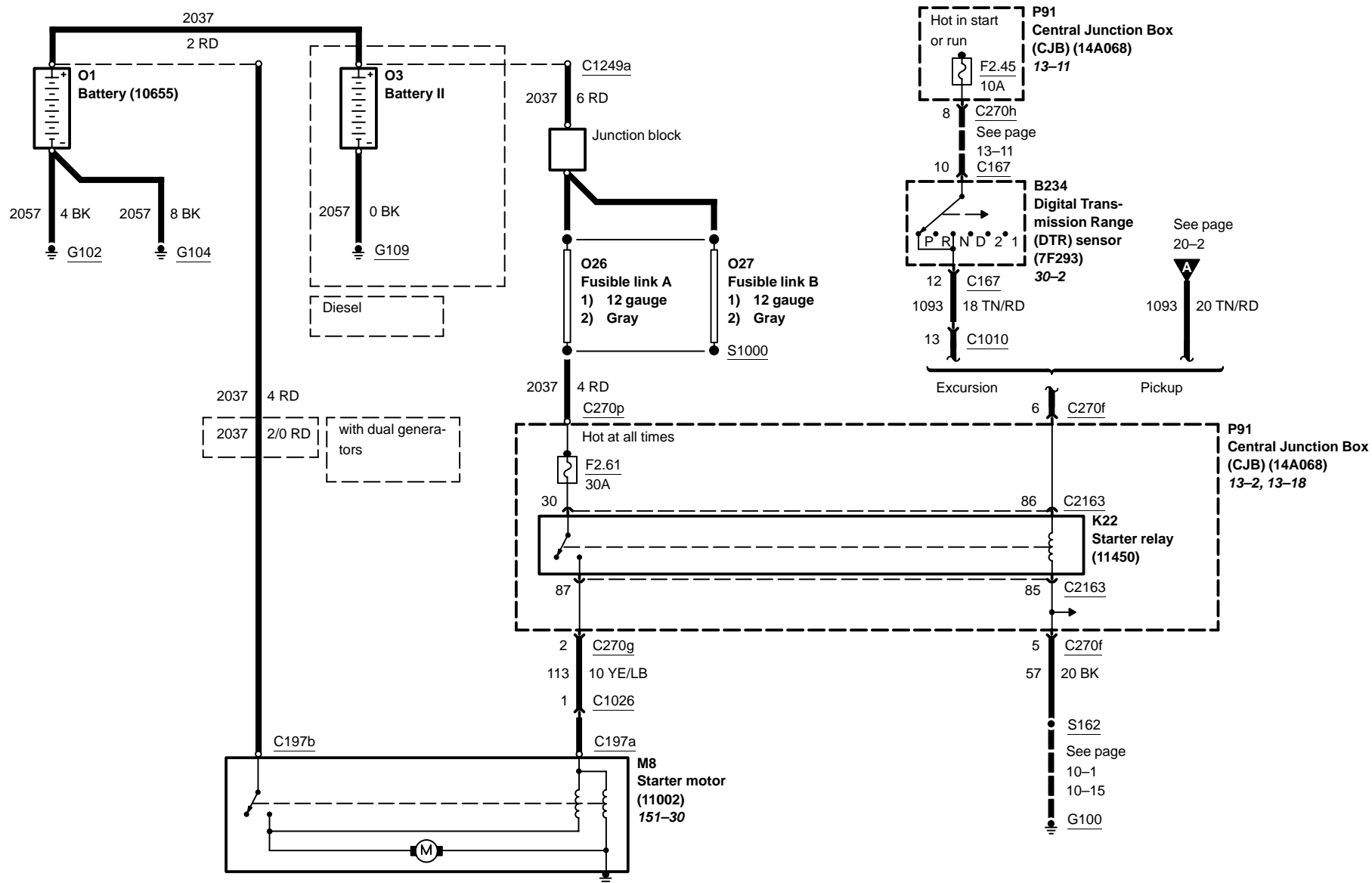


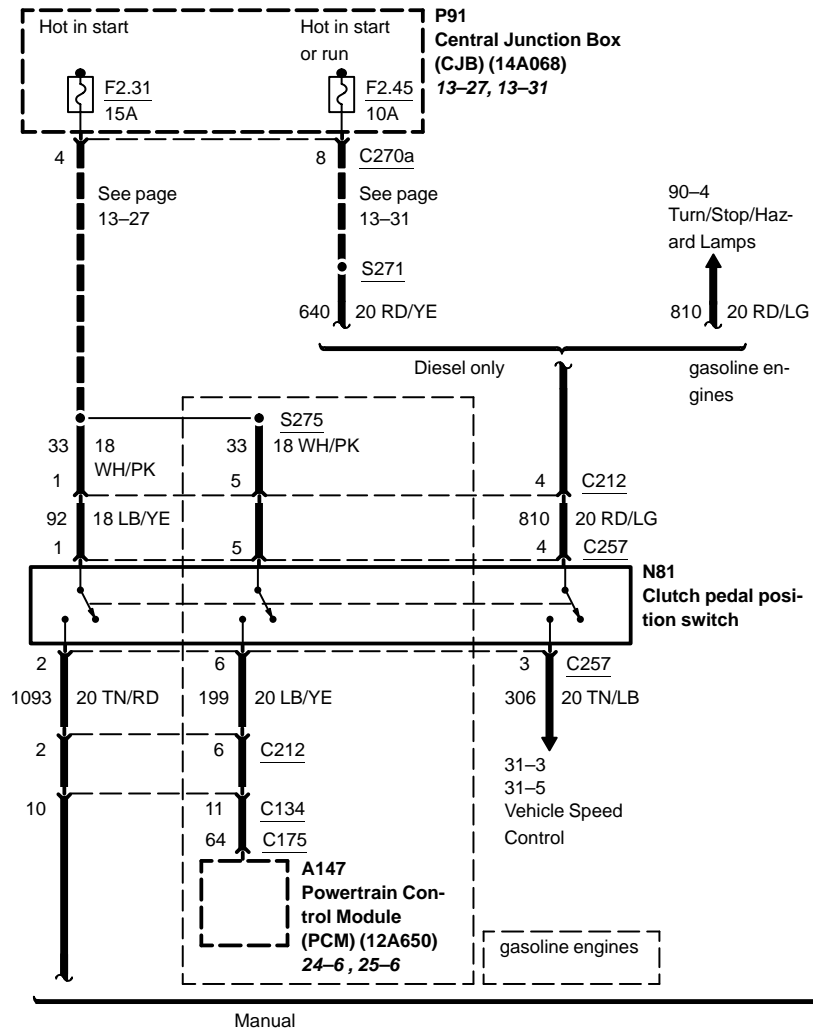
UBP Bus



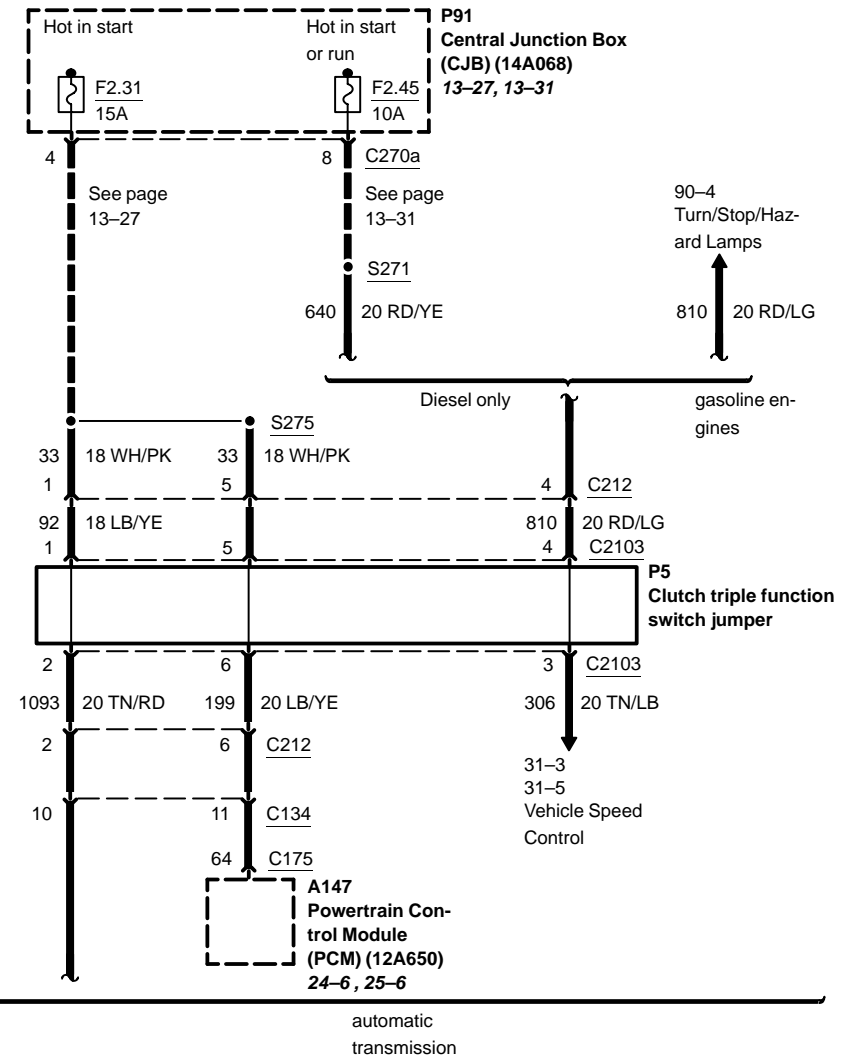
ACP Bus



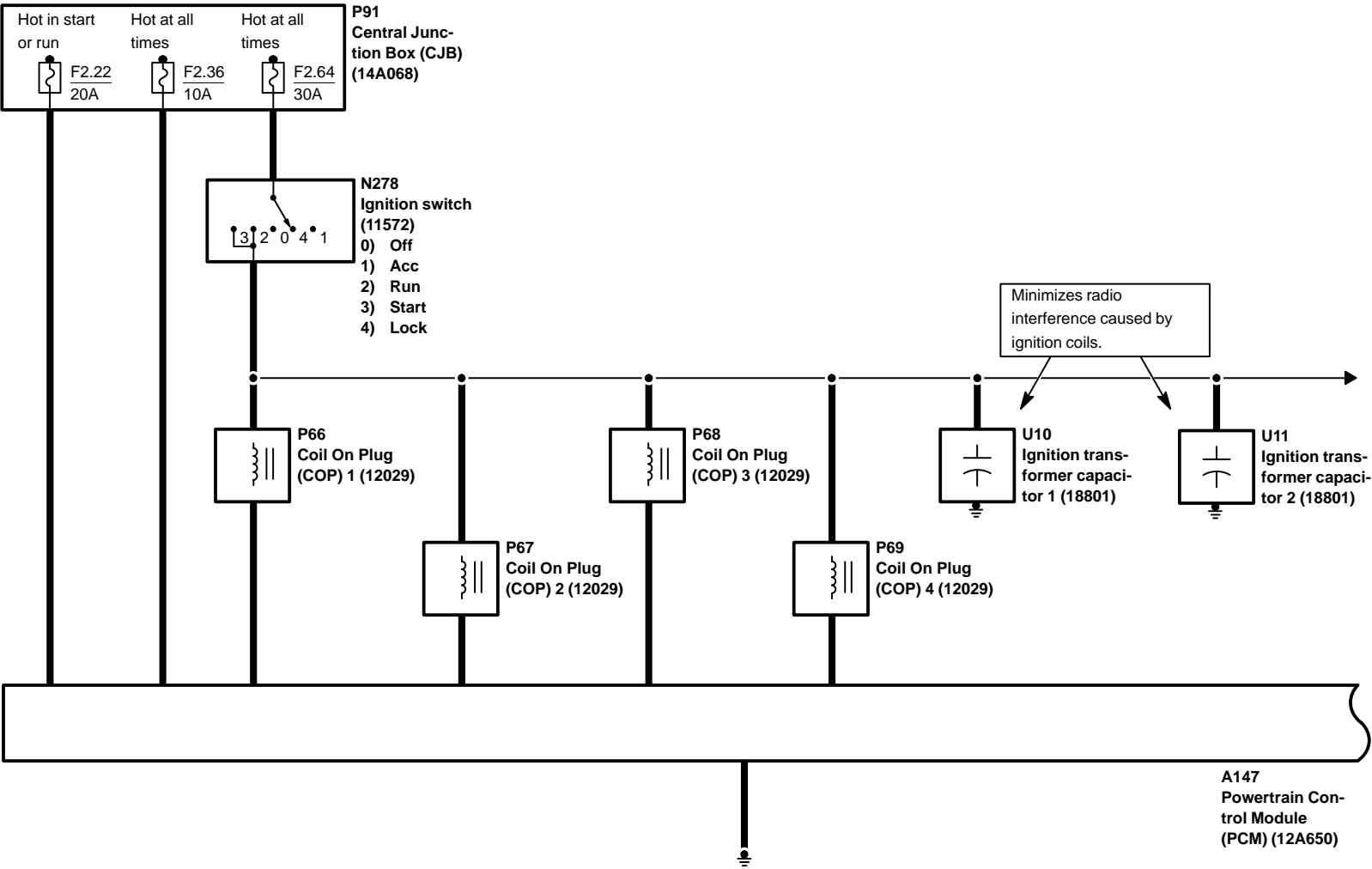




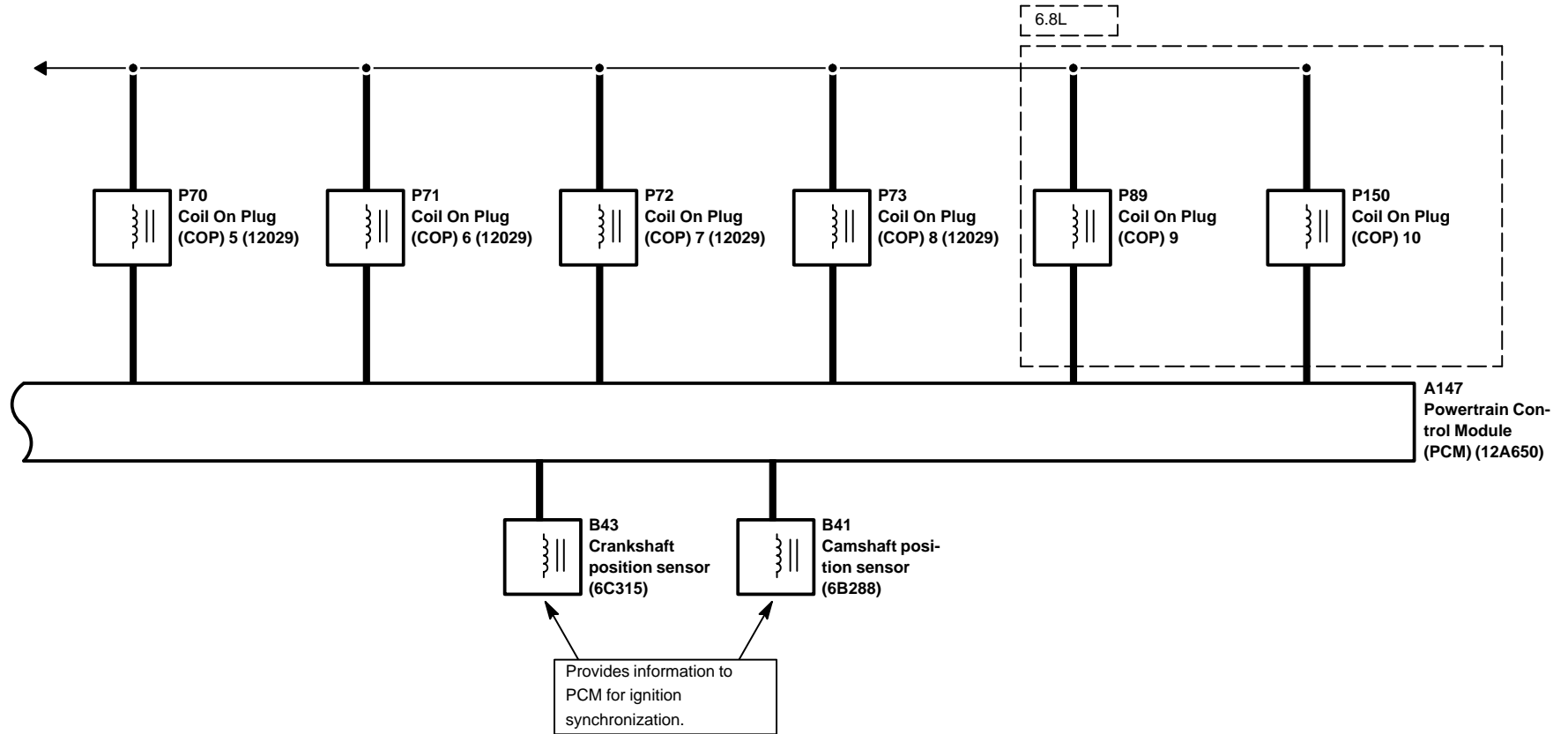
See page 20-1



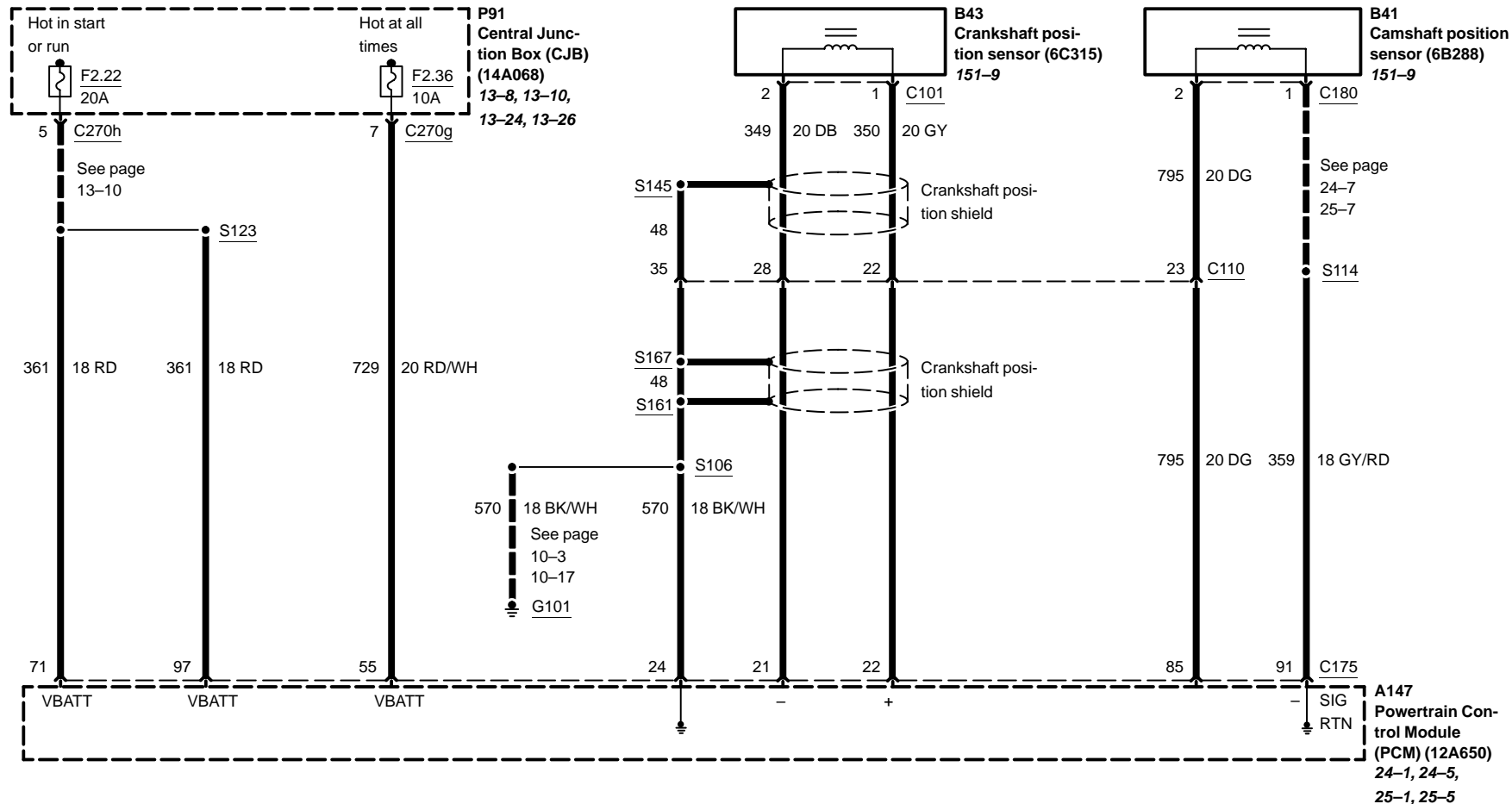
System overview



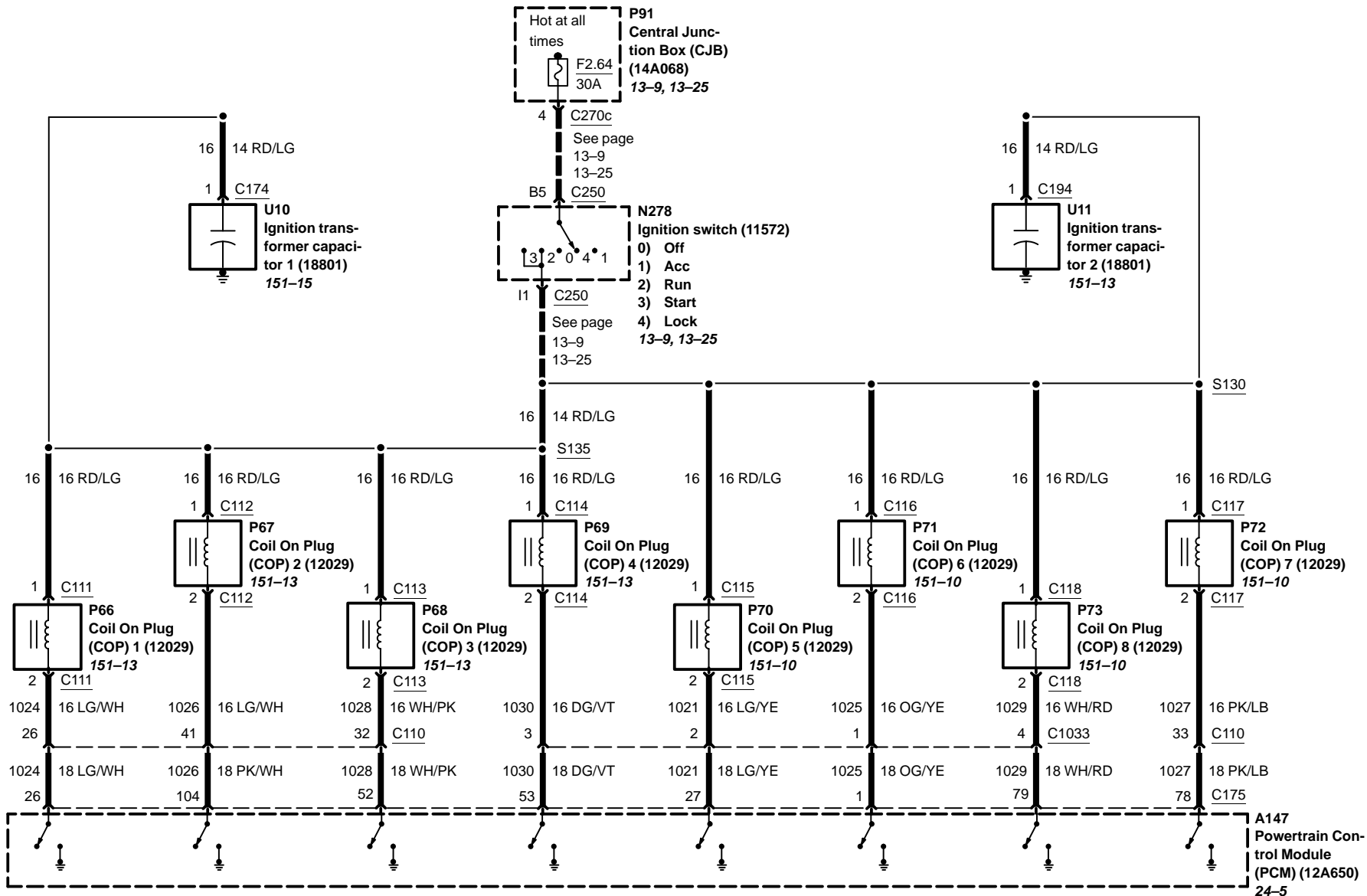
System overview



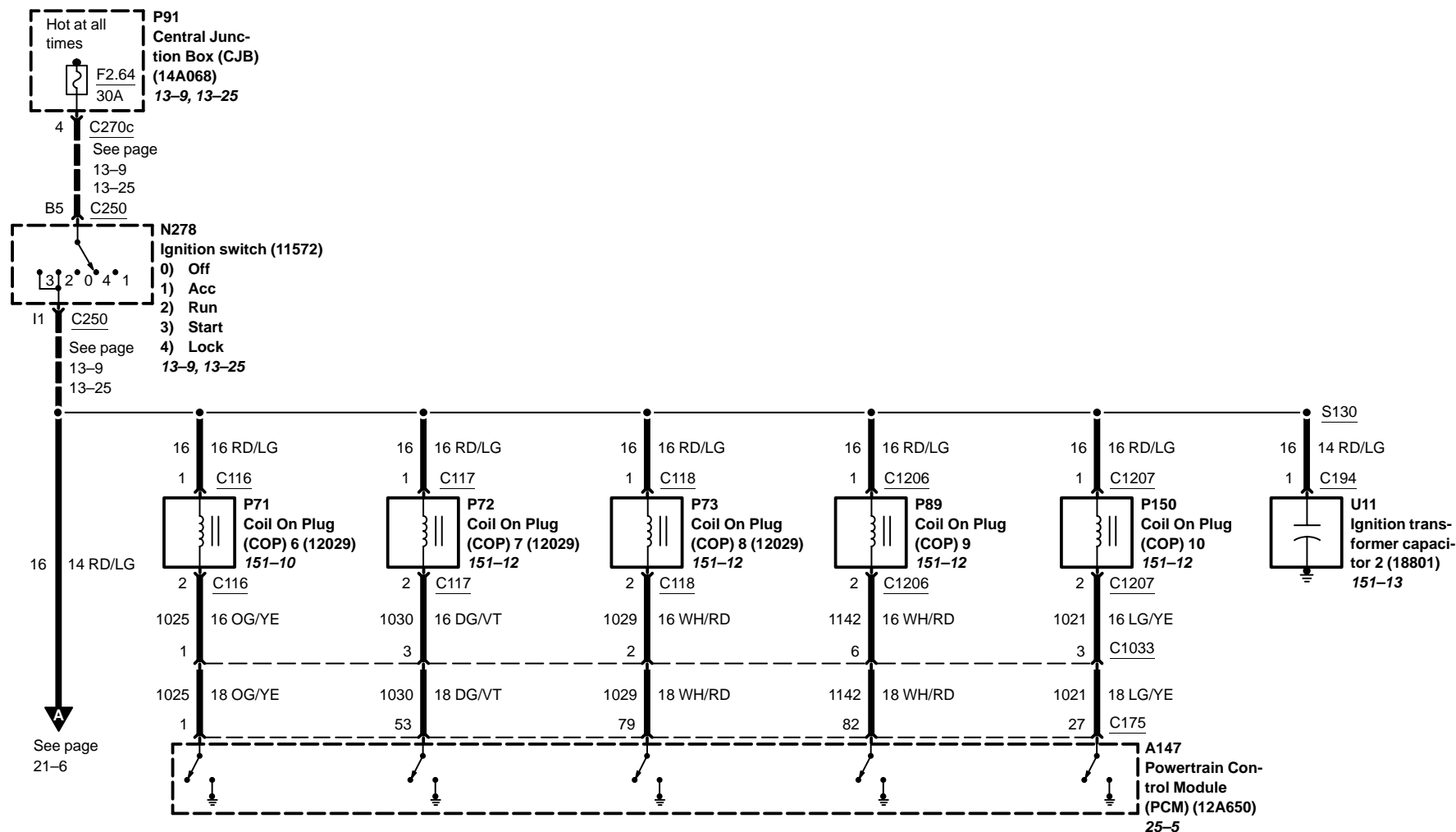
21-3 Engine Ignition



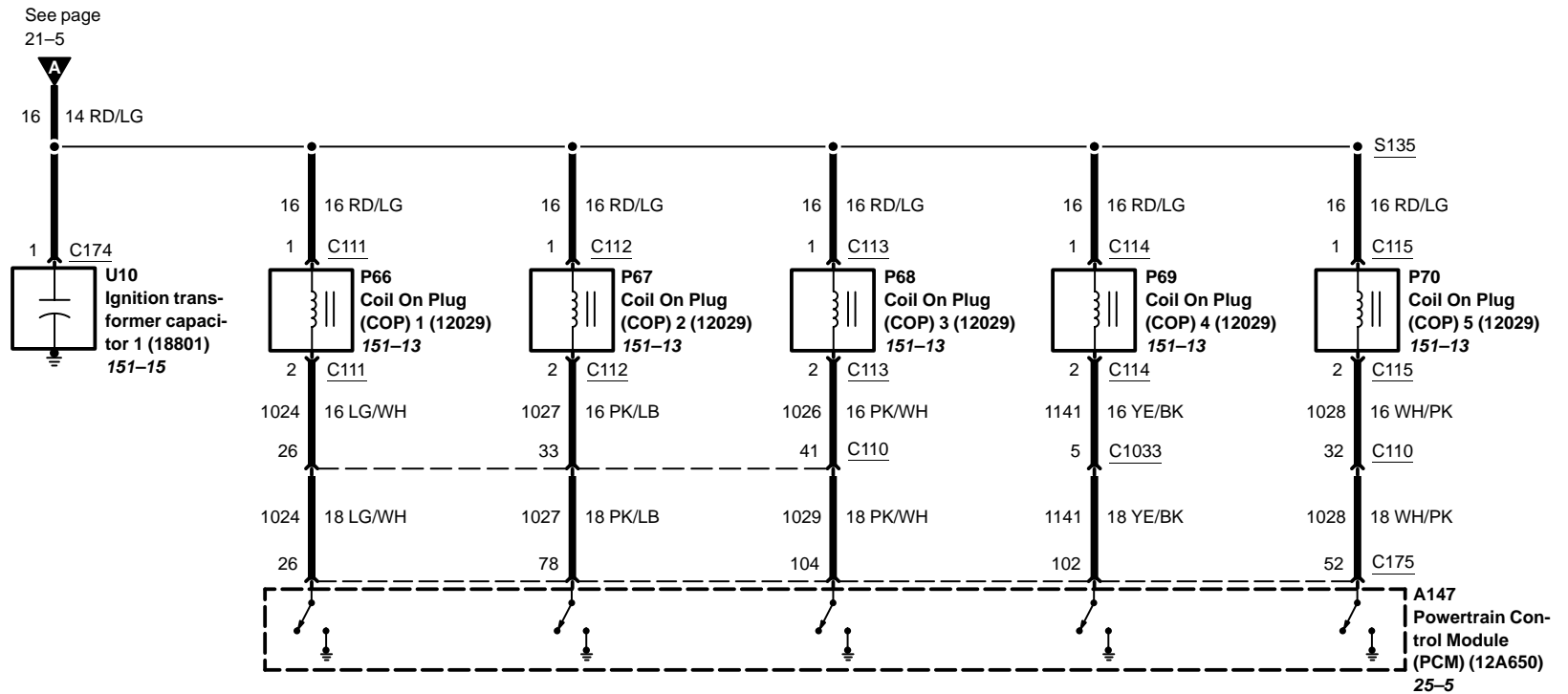
5.4L



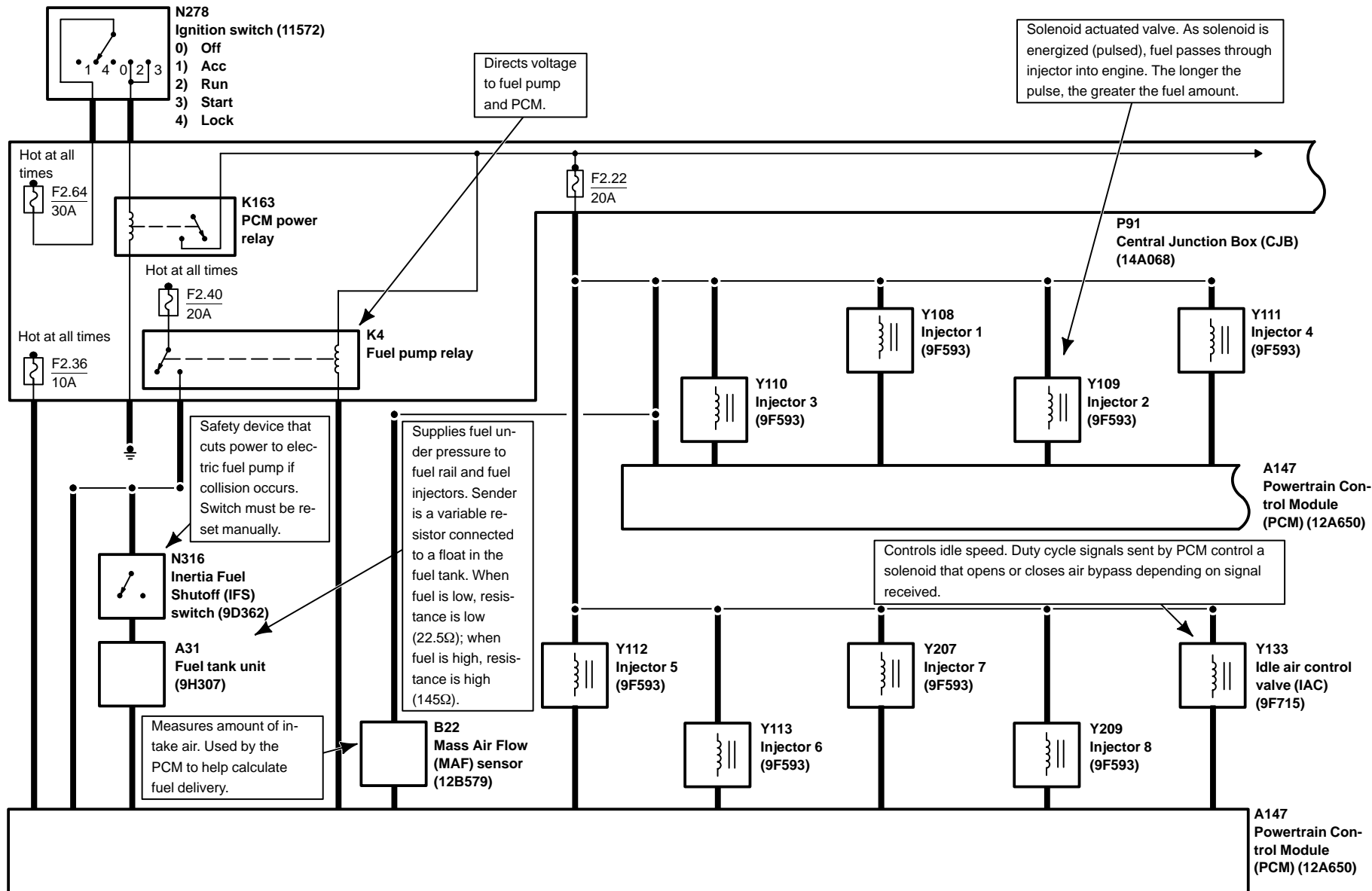
6.8L



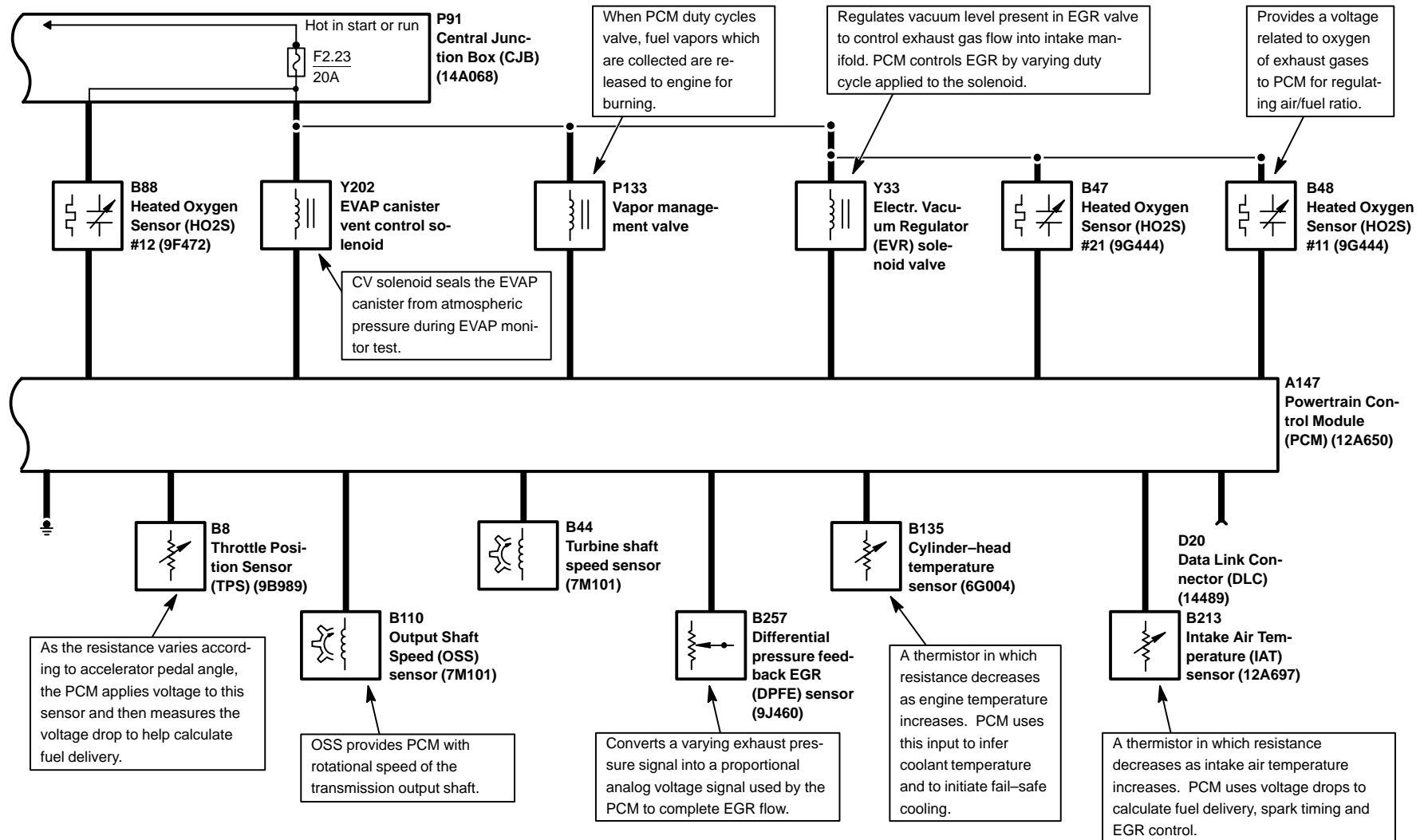
6.8L



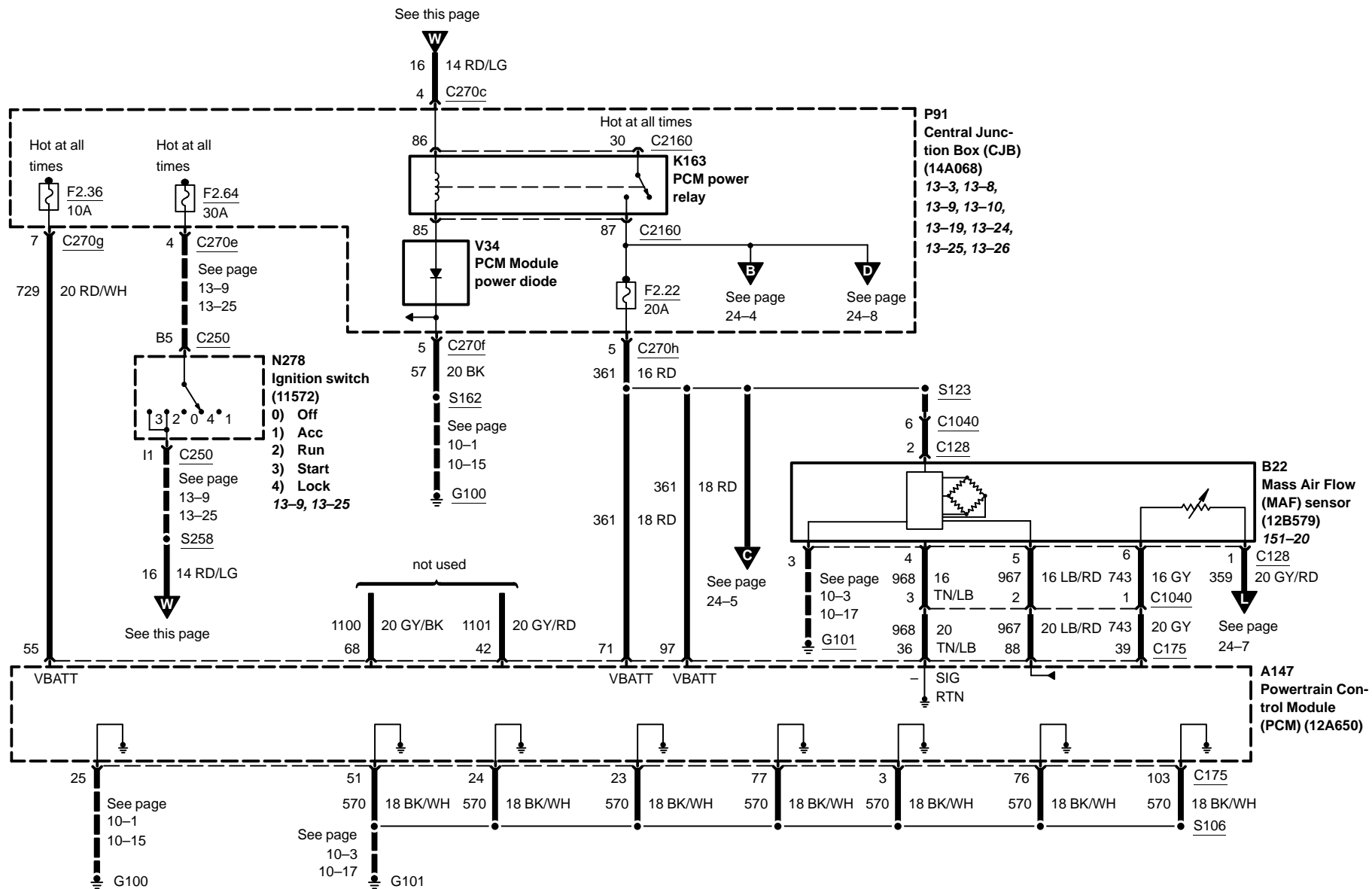
5.4L, System overview



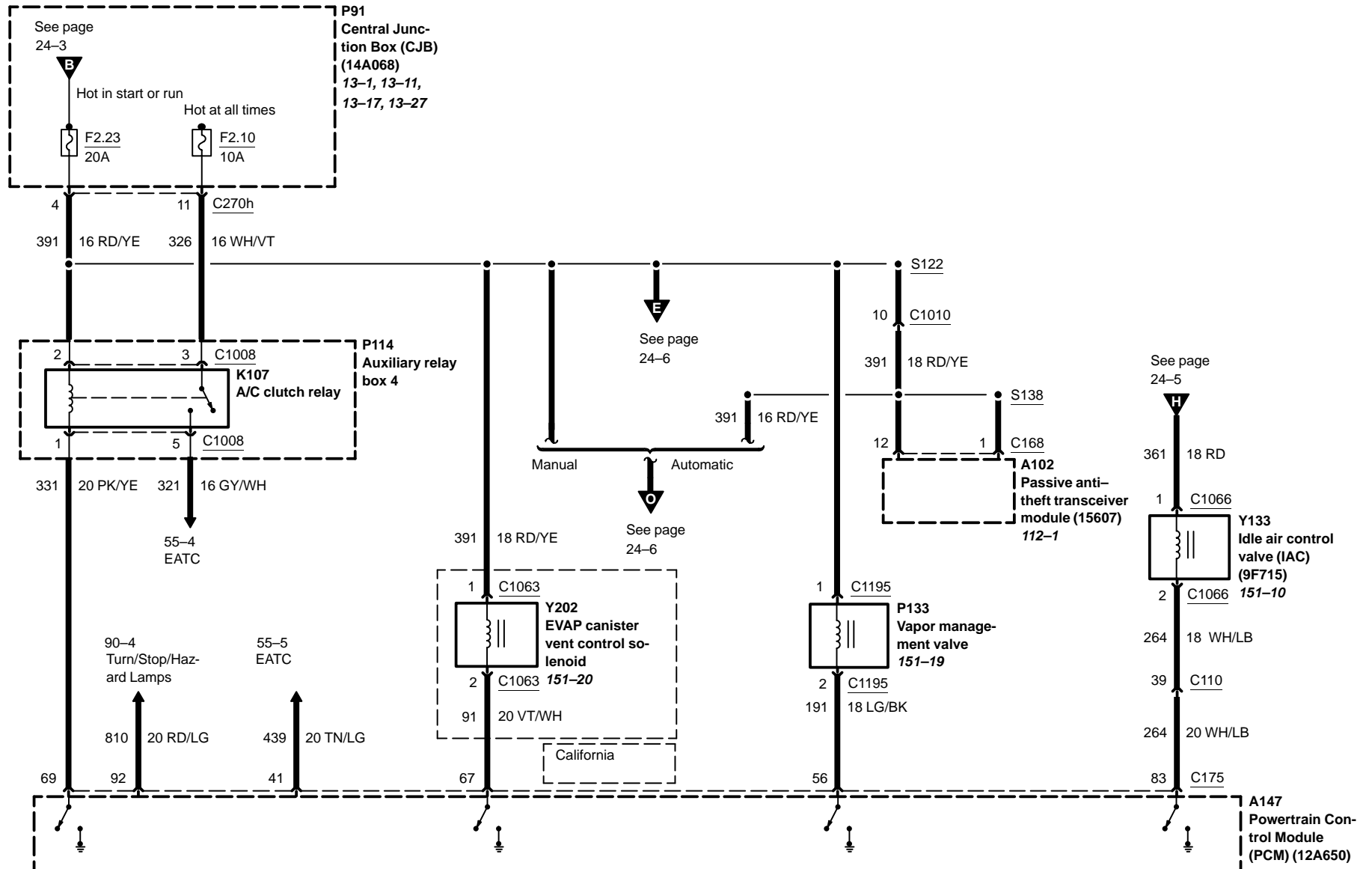
5.4L, System overview



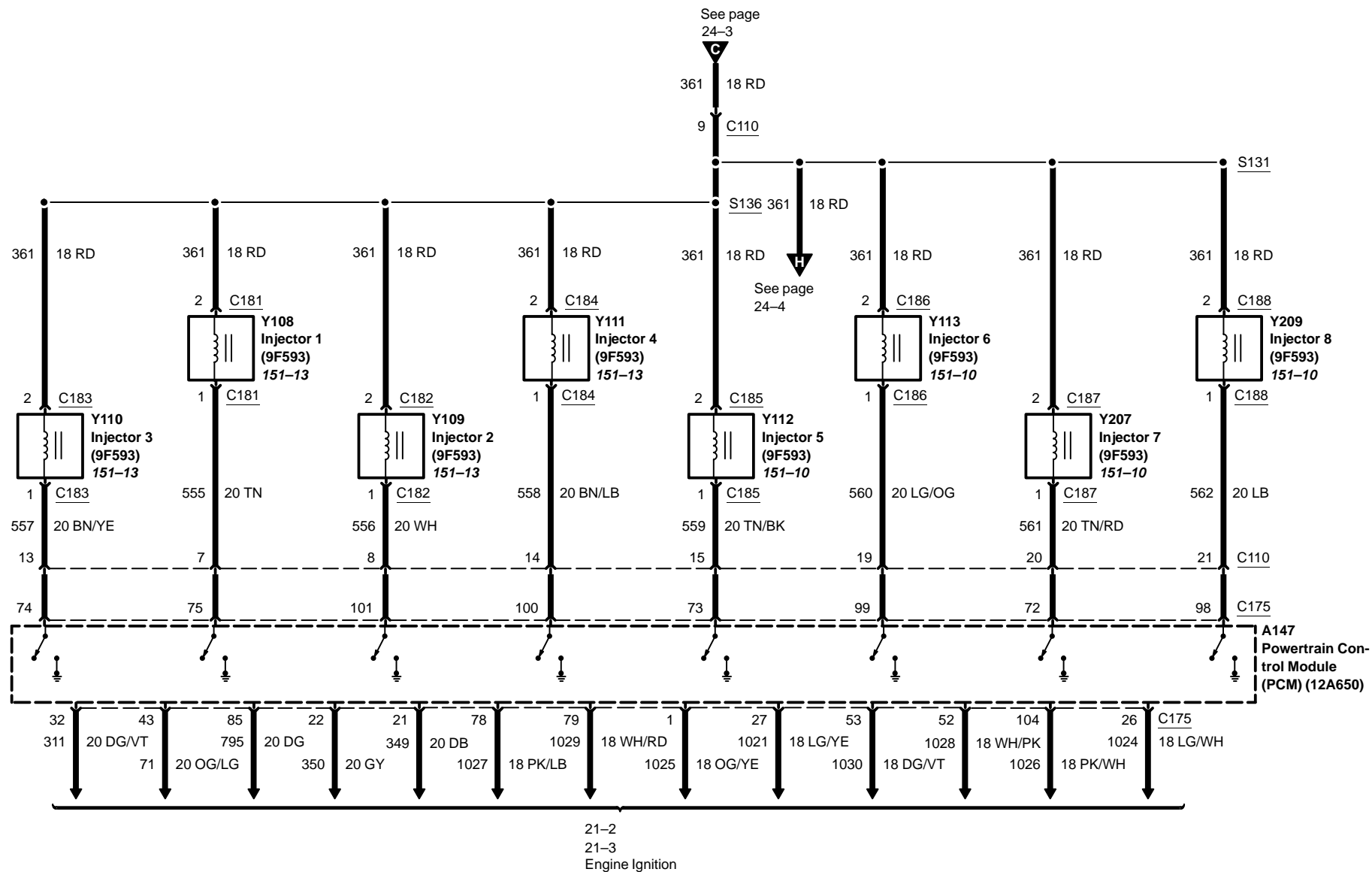
5.4L



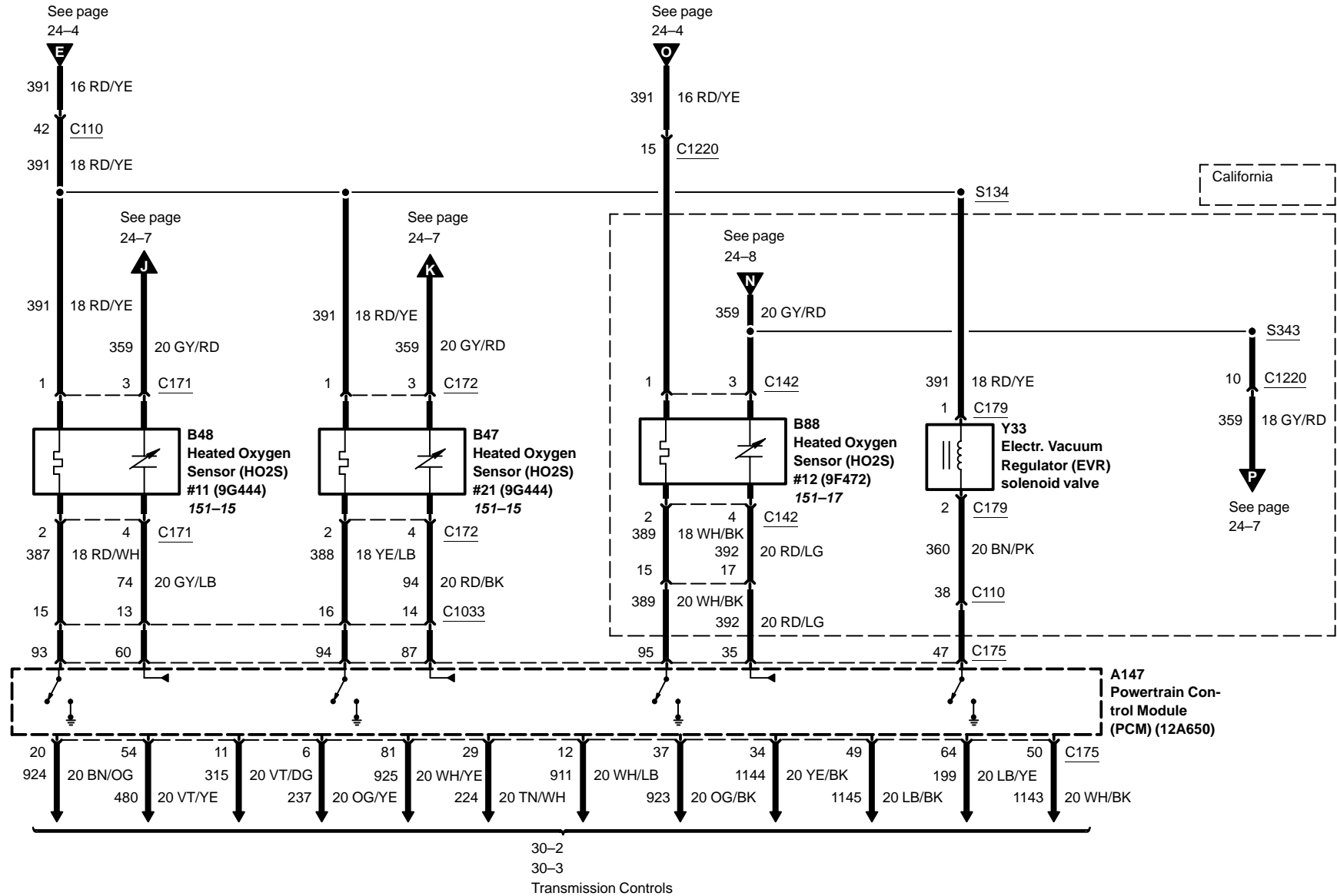
5.4L



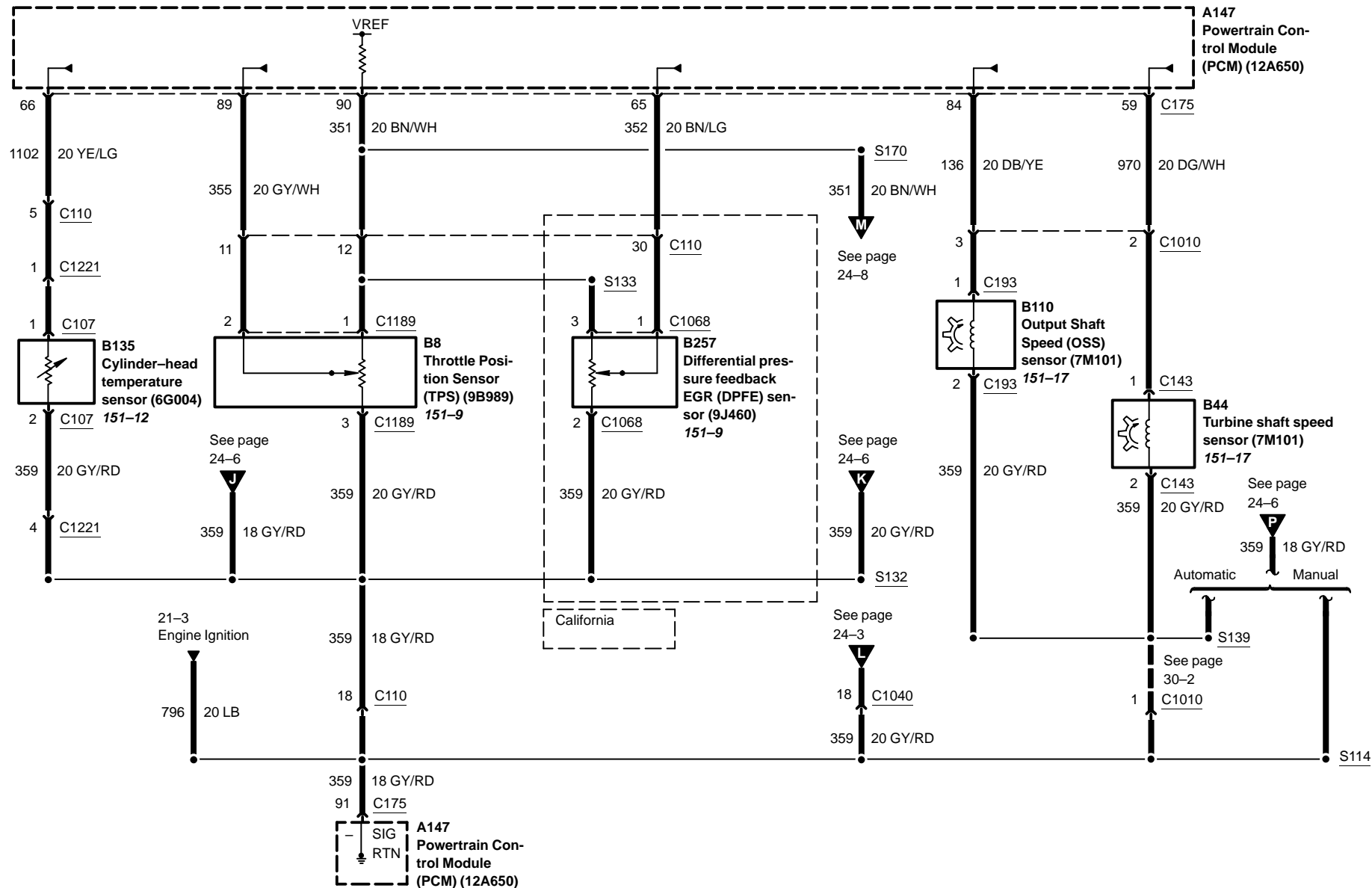
5.4L



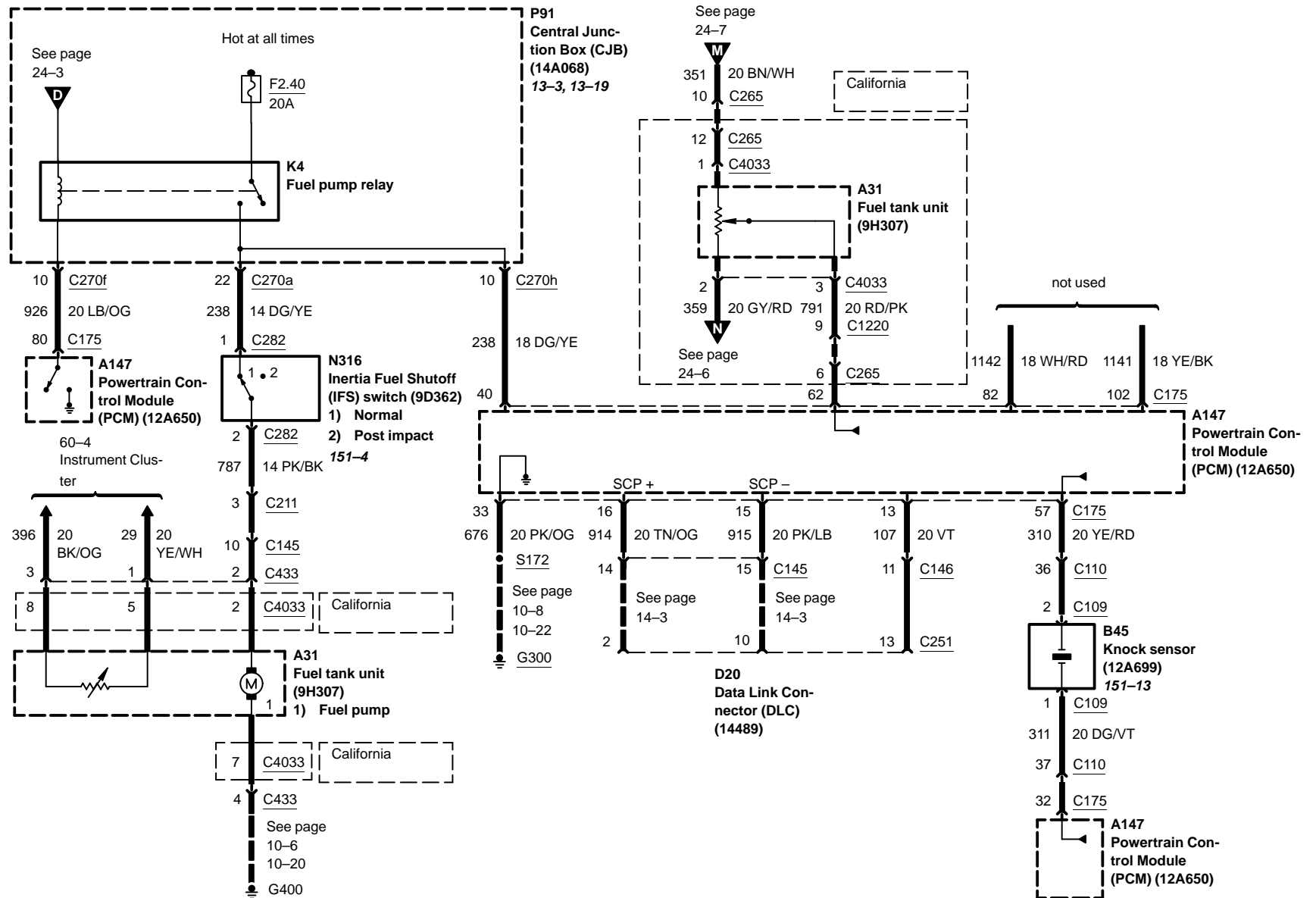
5.4L



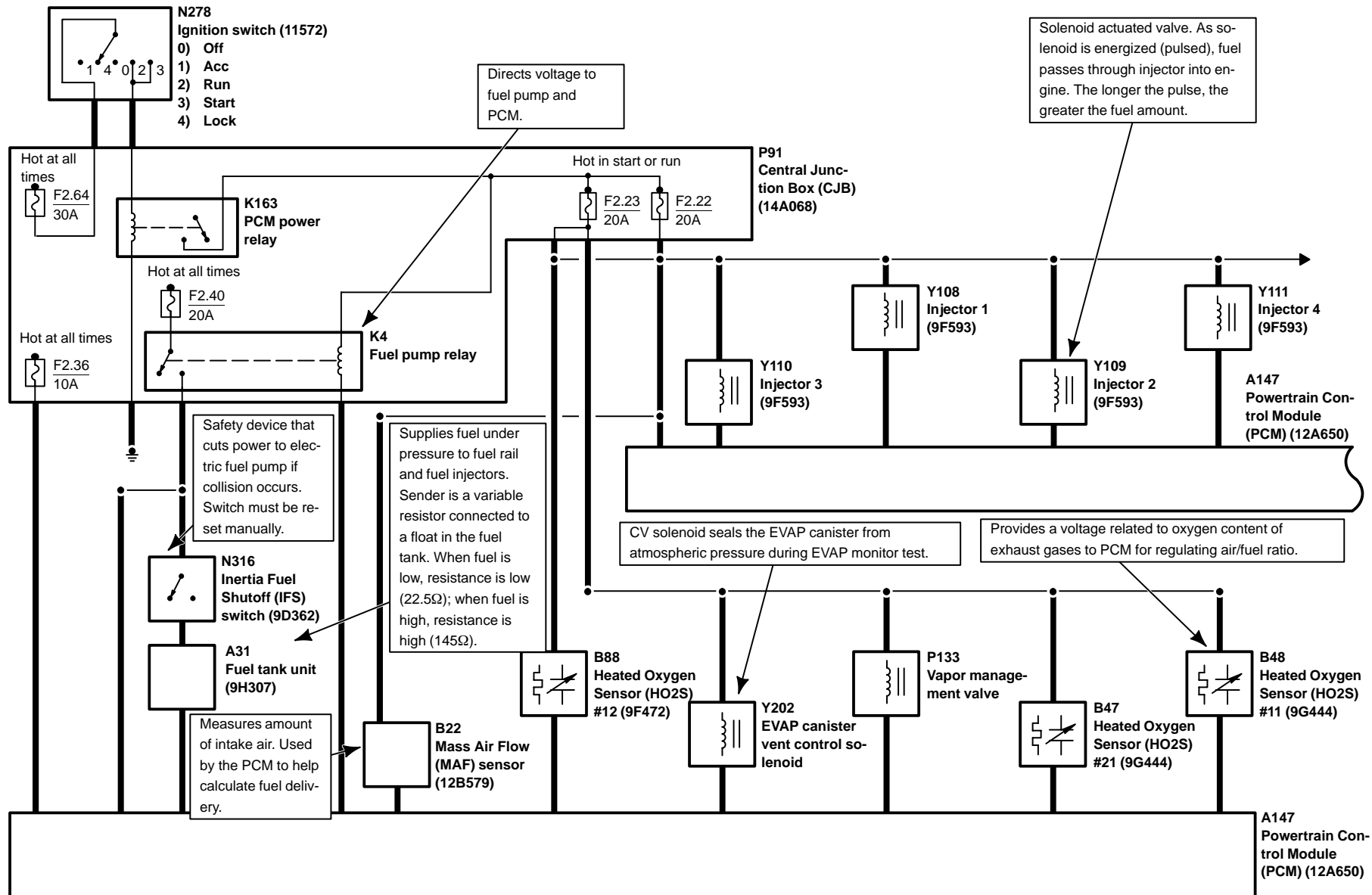
5.4L



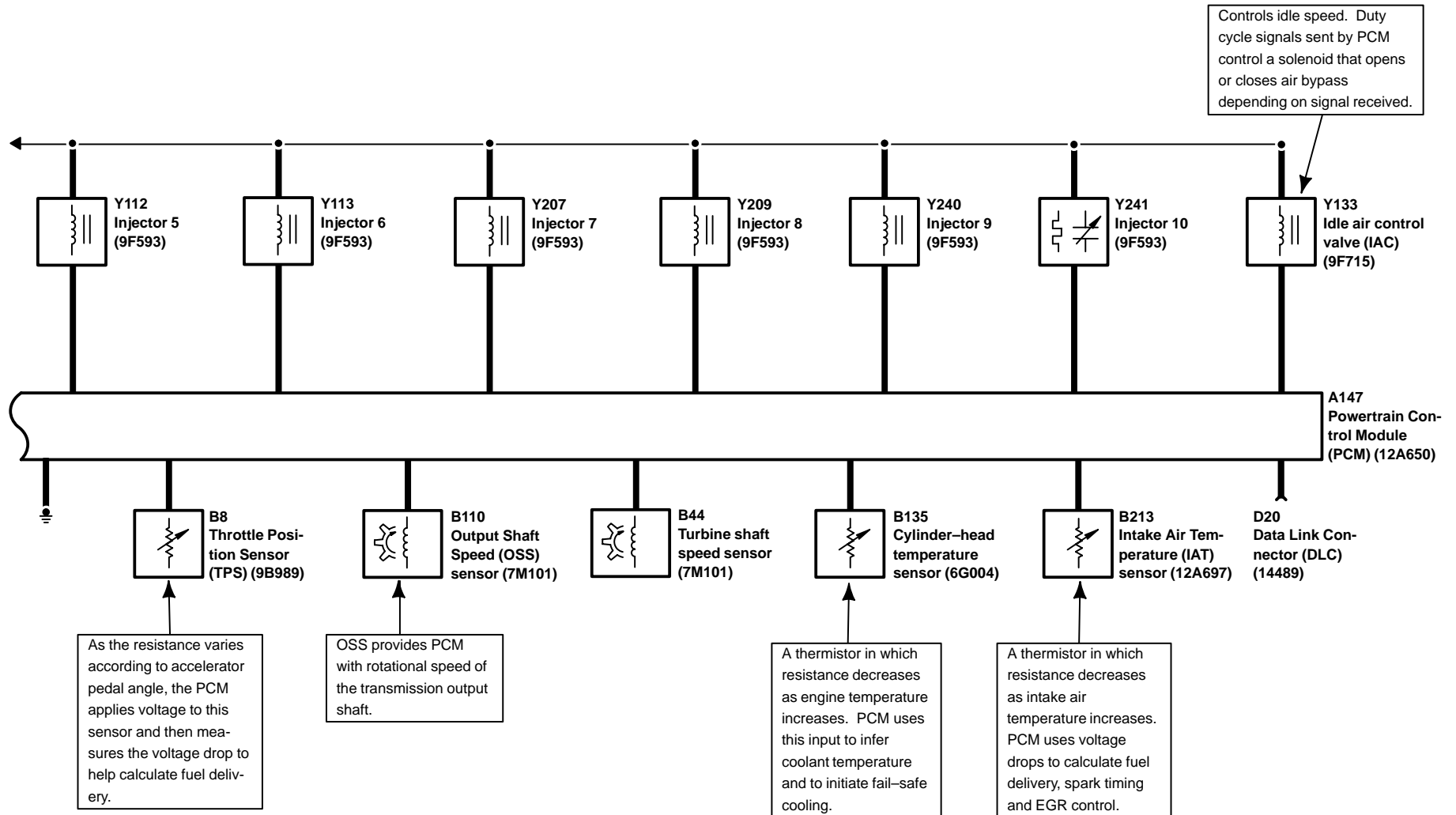
5.4L



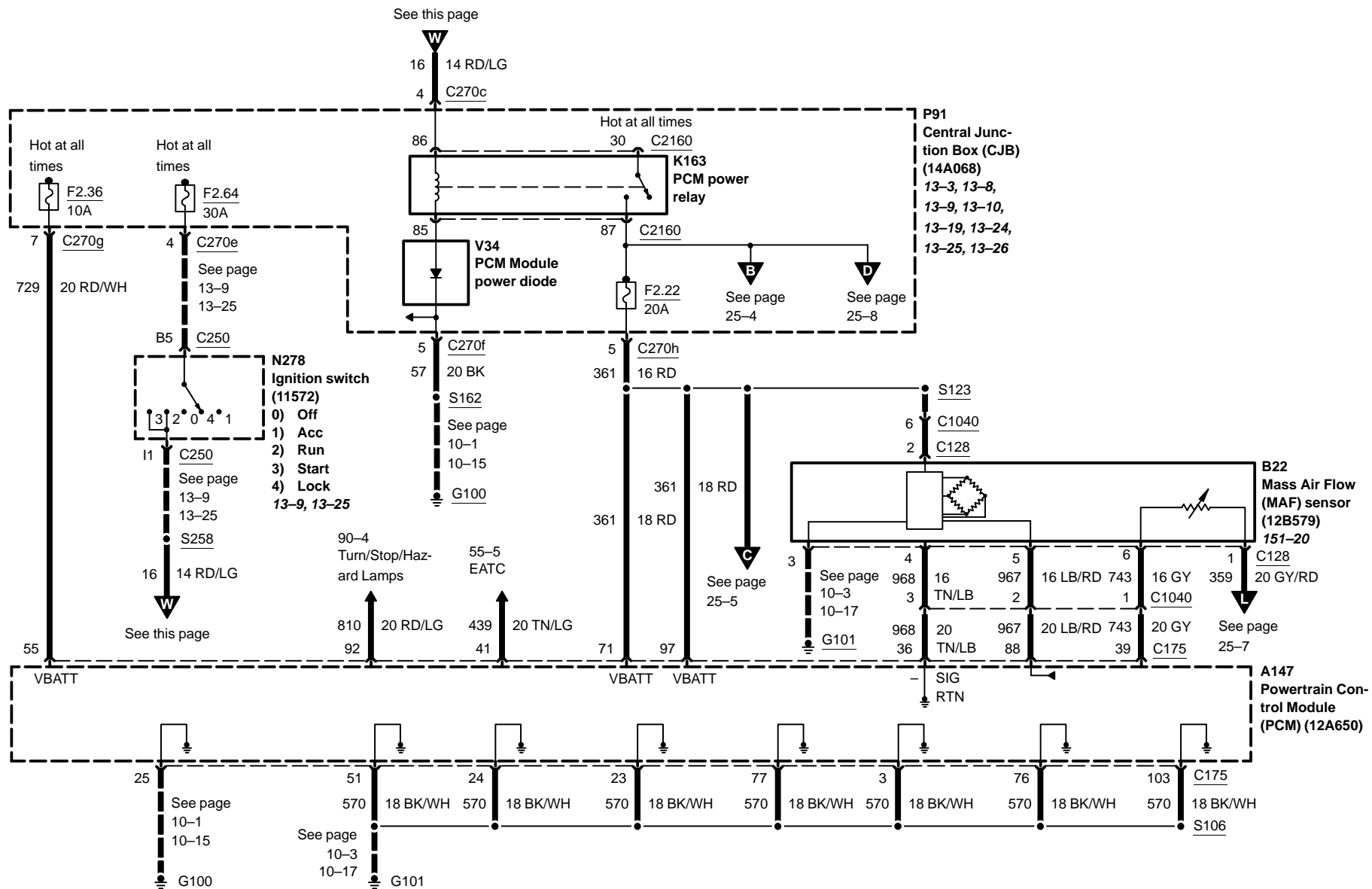
6.8L, System overview



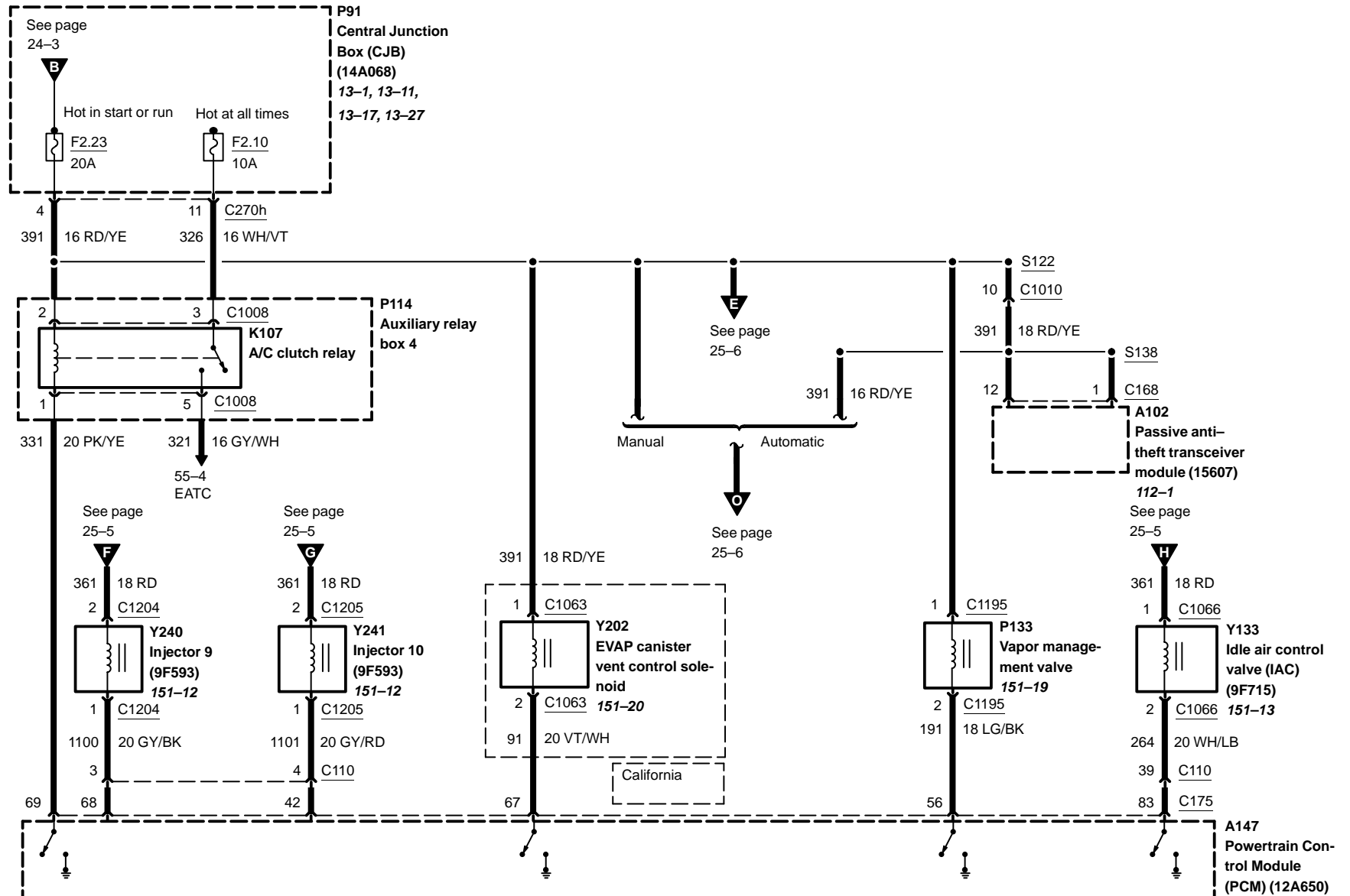
6.8L, System overview



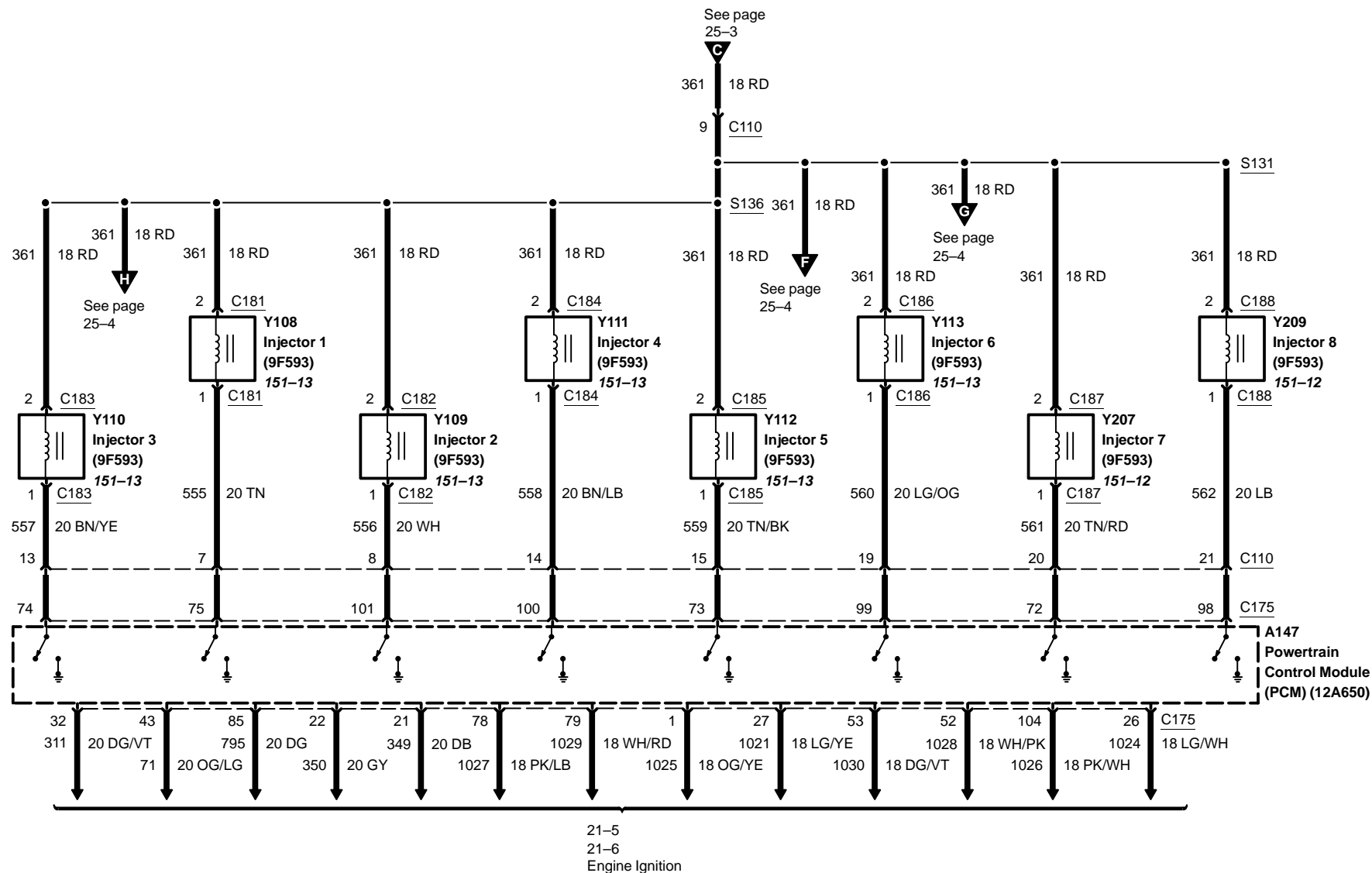
6.8L



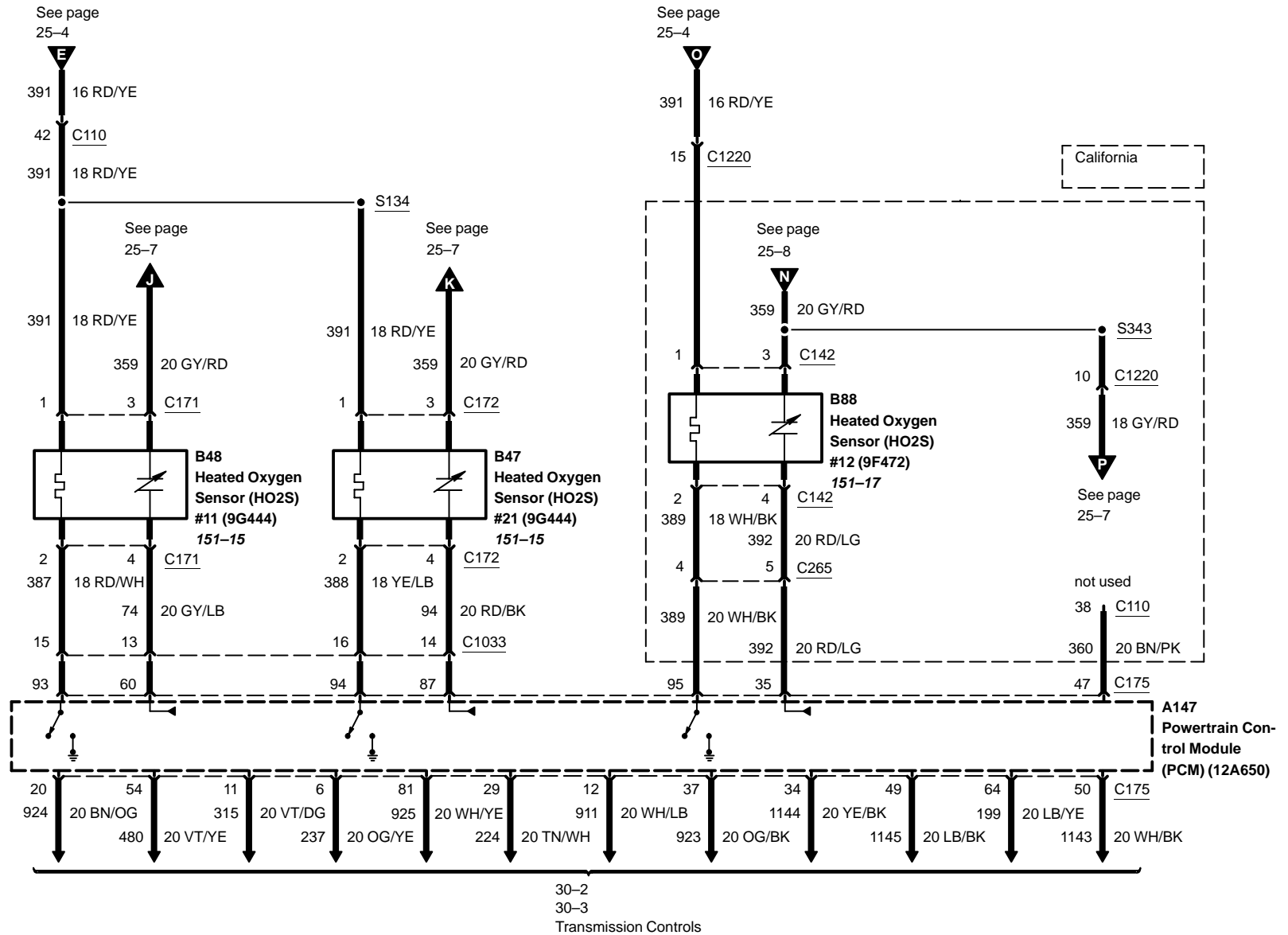
6.8L

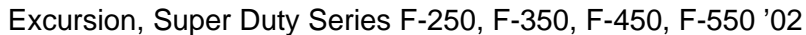


6.8L

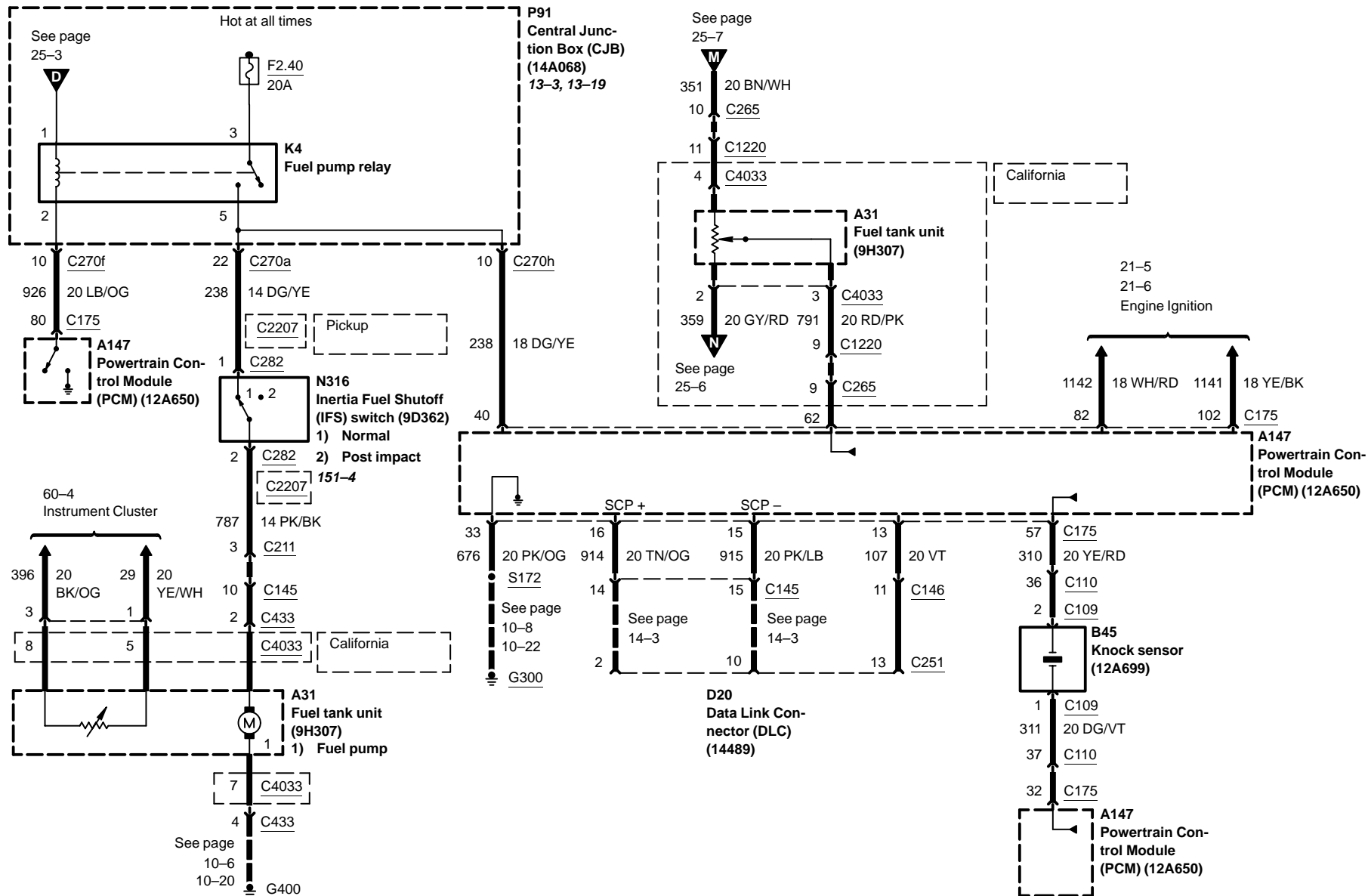


6.8L

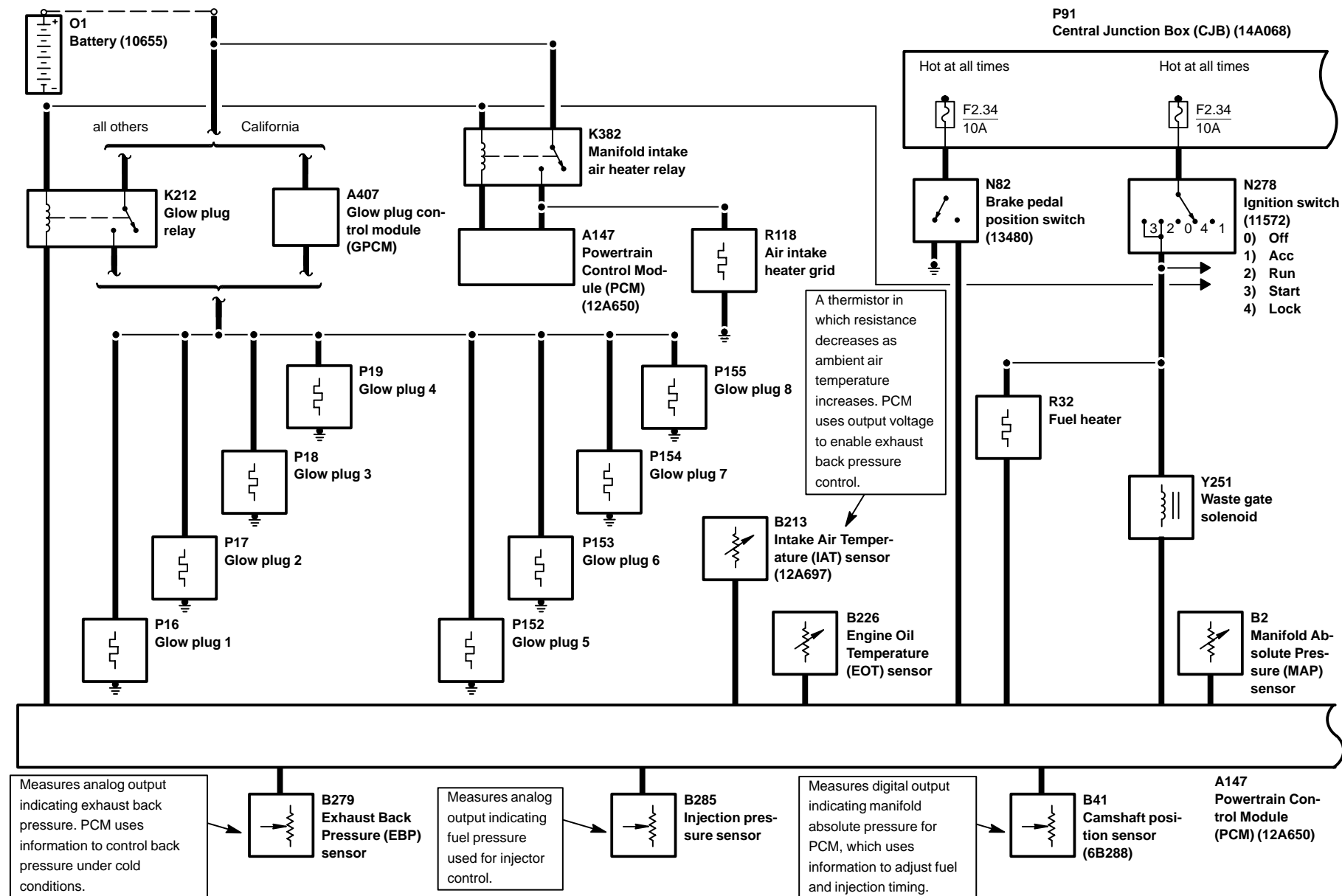




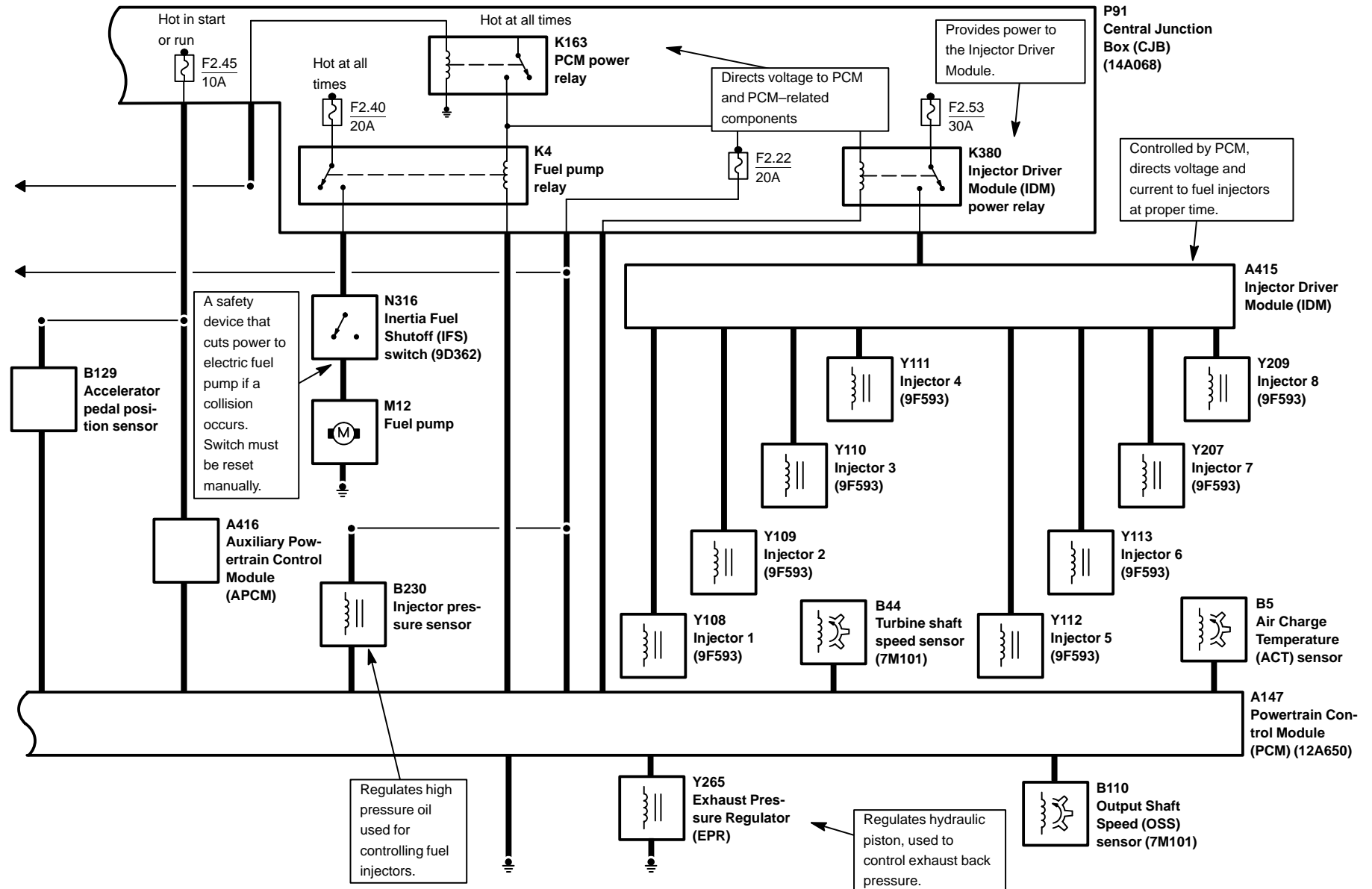
6.8L



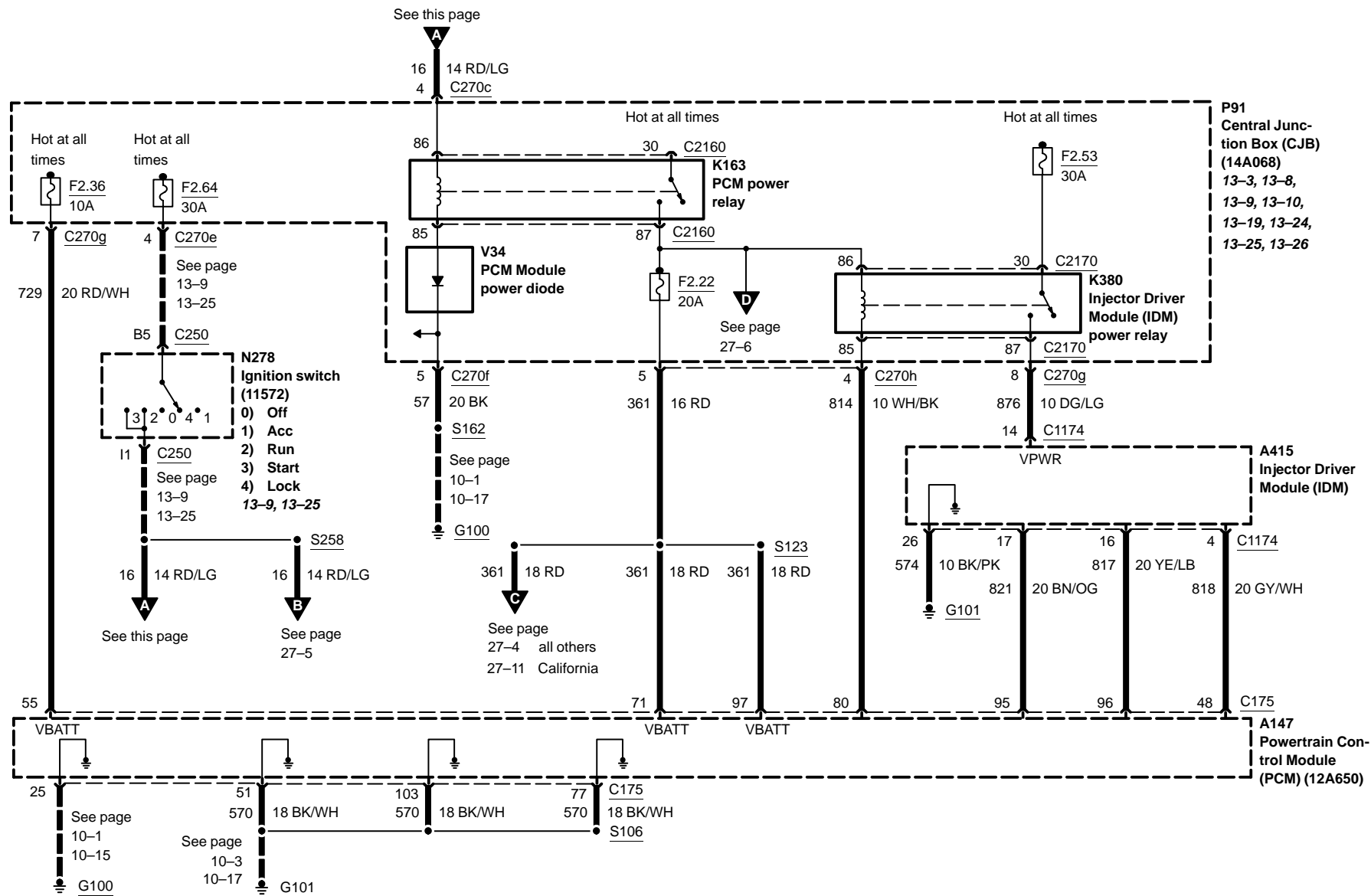
7.3L Diesel, System overview



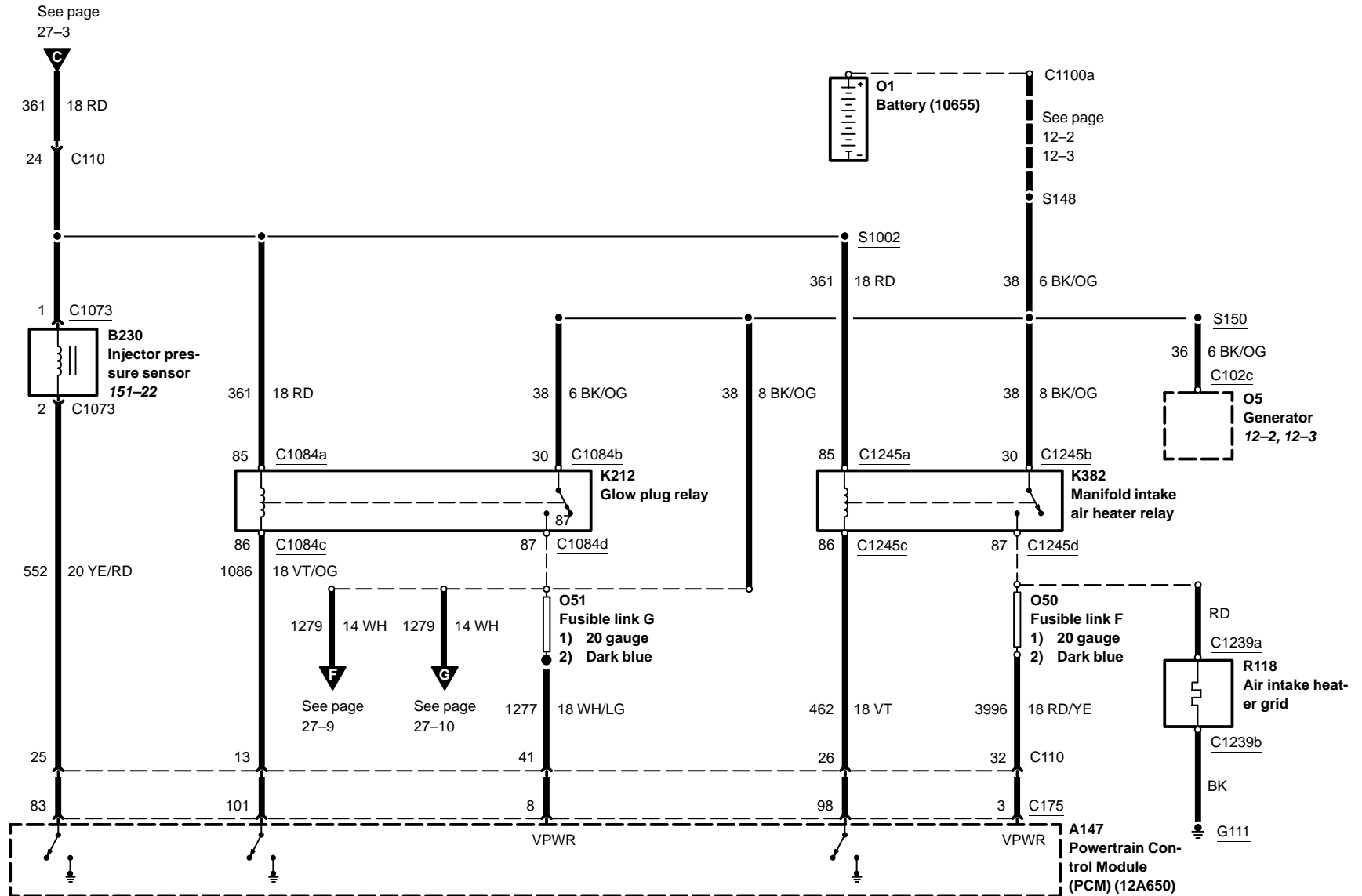
7.3L Diesel, System overview



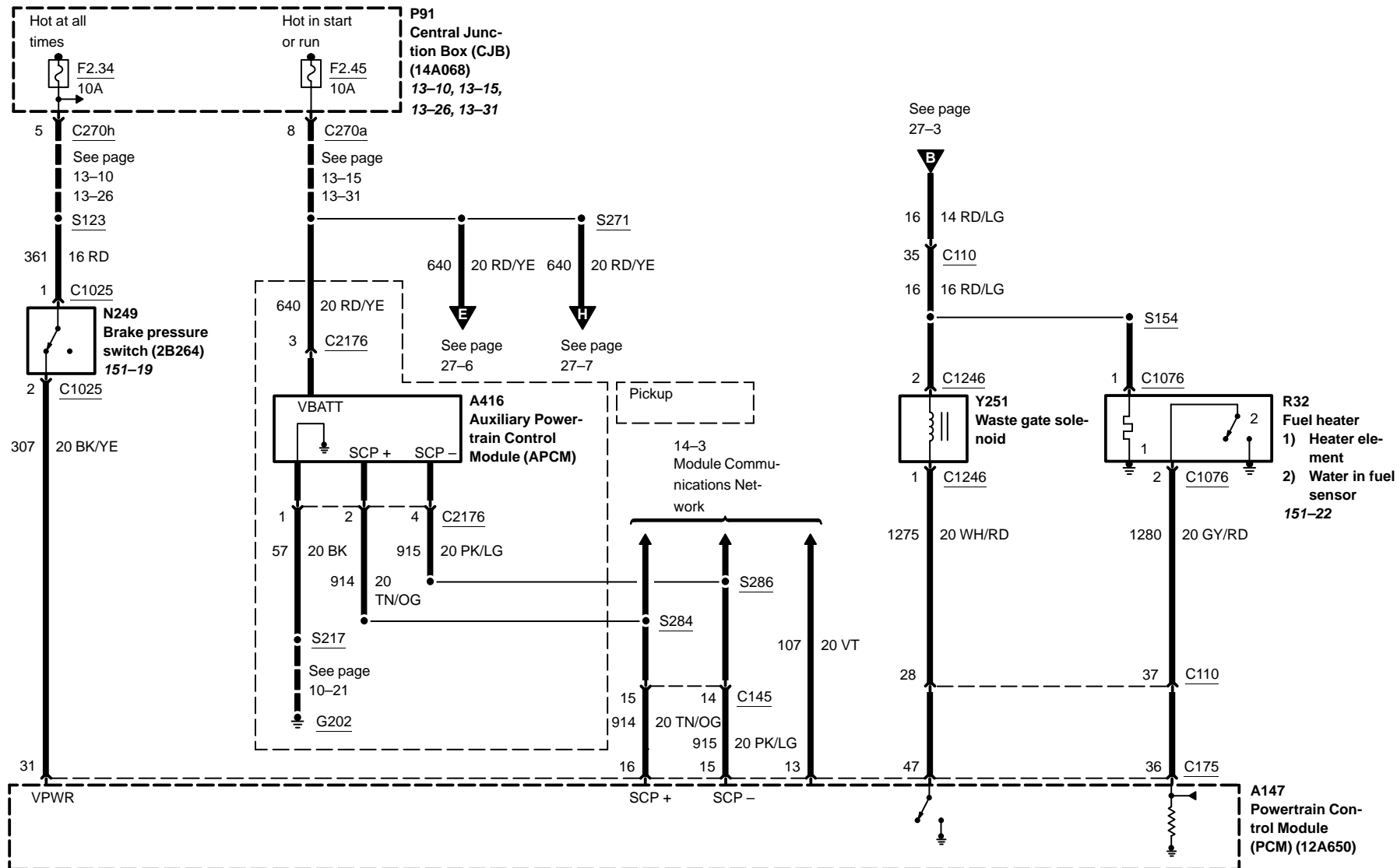
7.3L Diesel



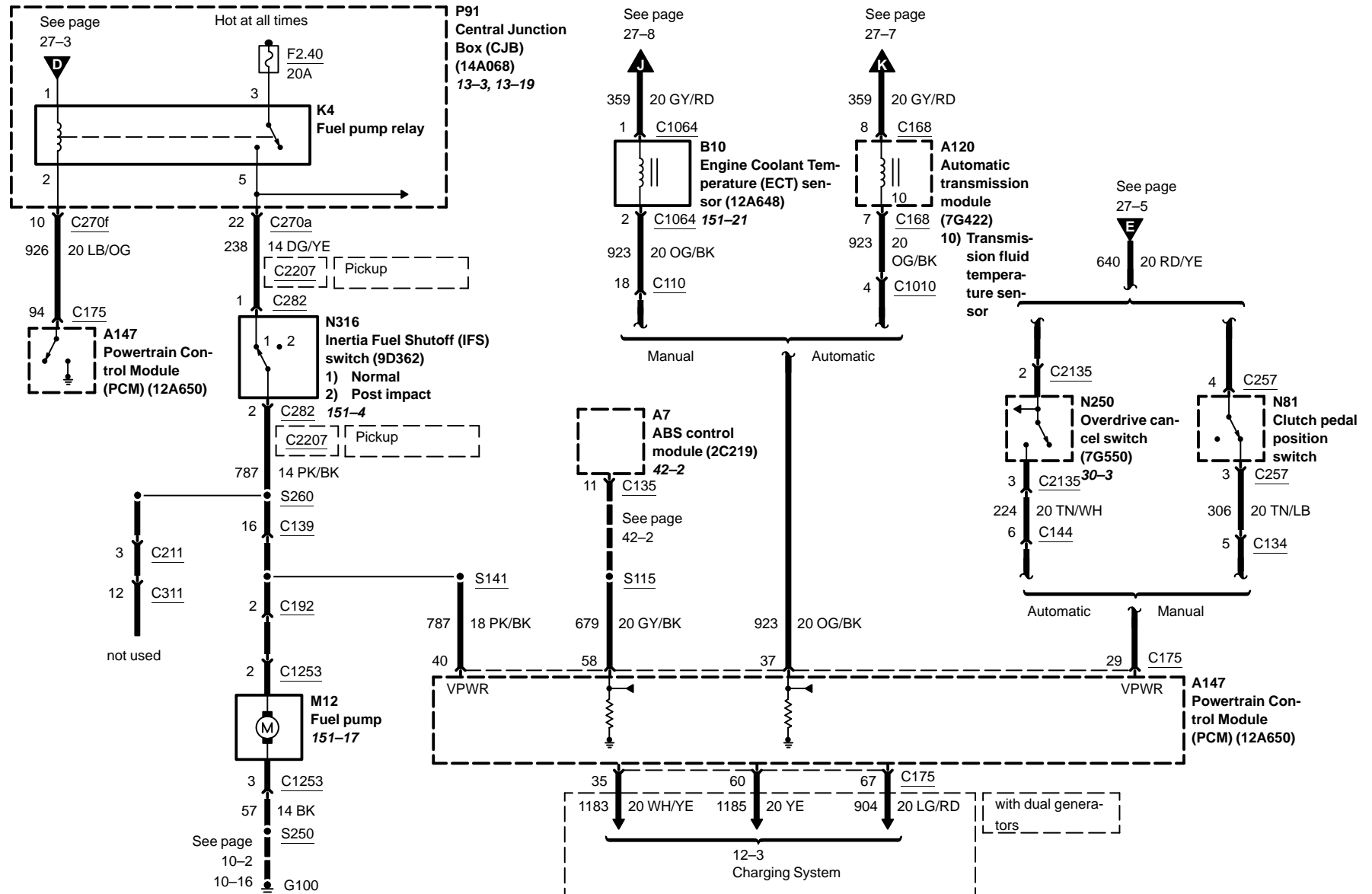
7.3L Diesel



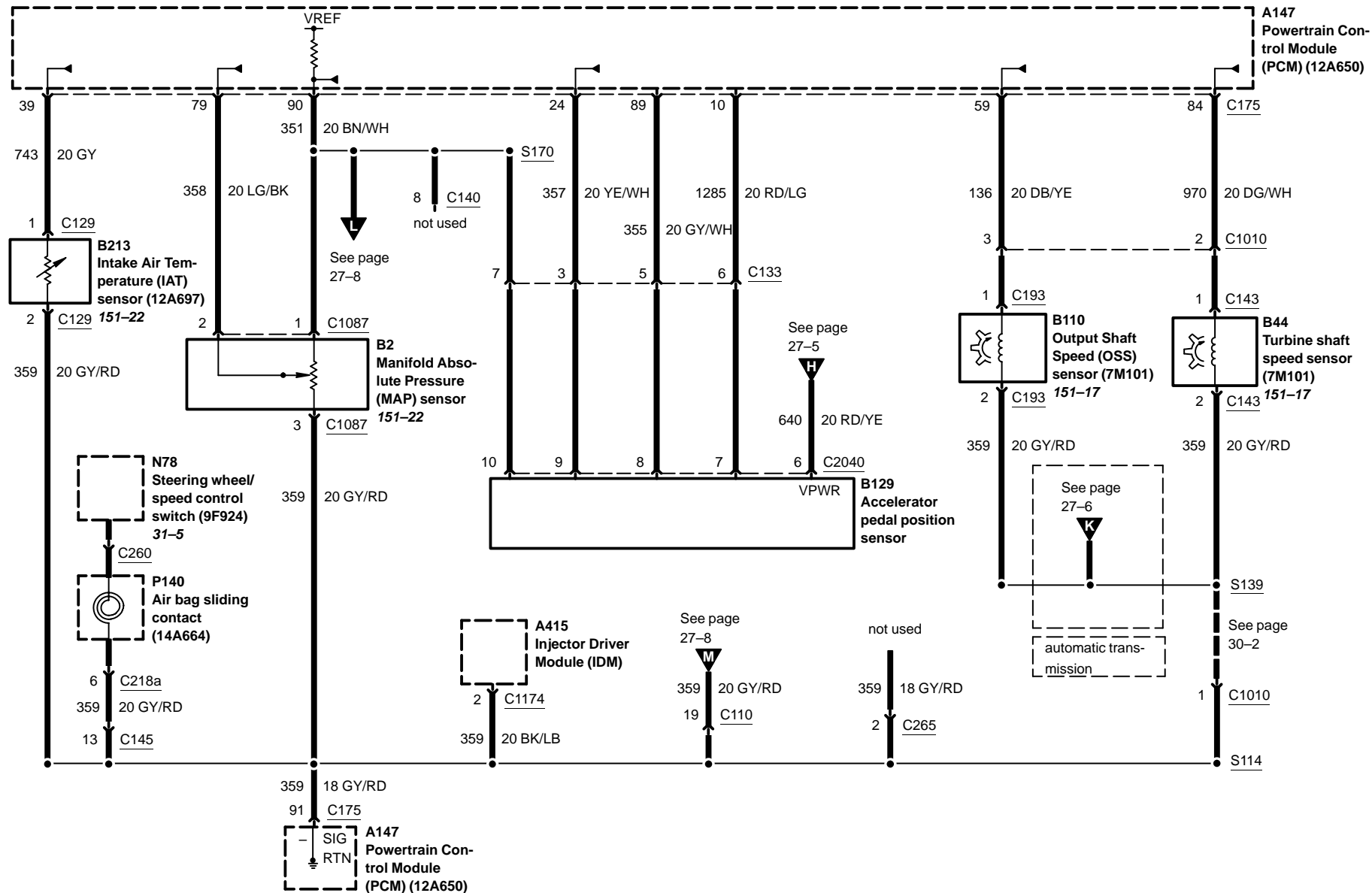
7.3L Diesel



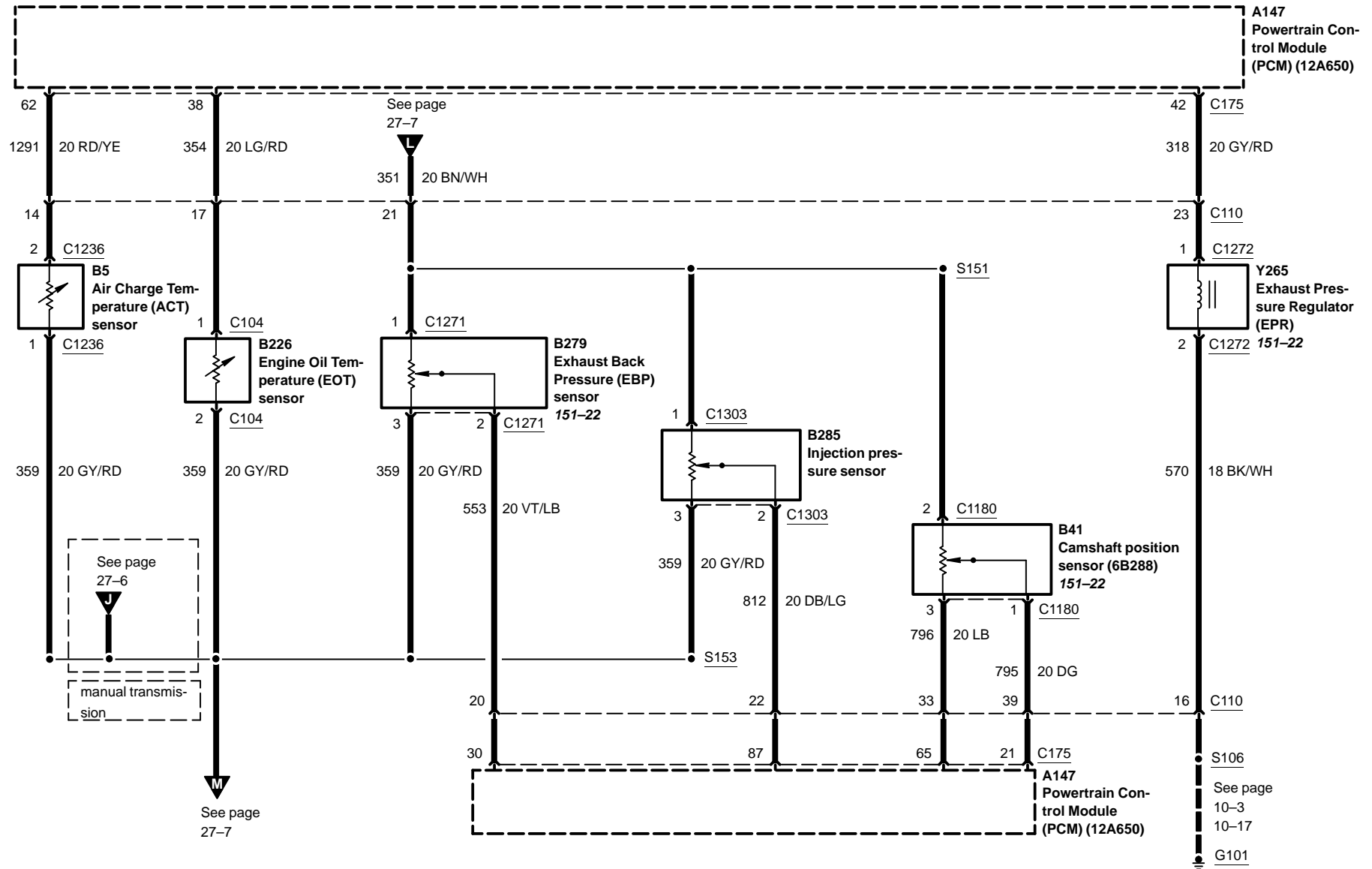
7.3L Diesel



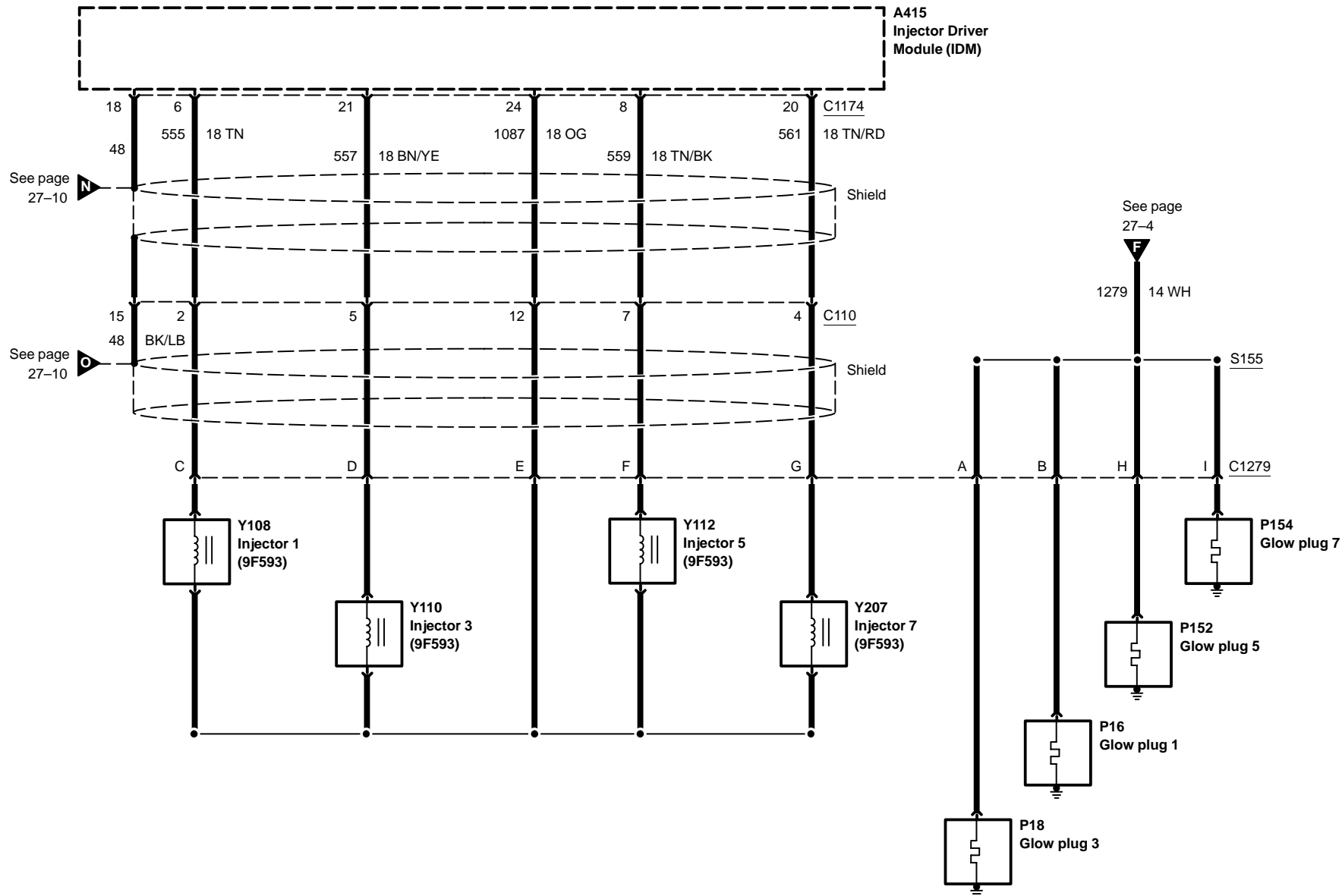
7.3L Diesel



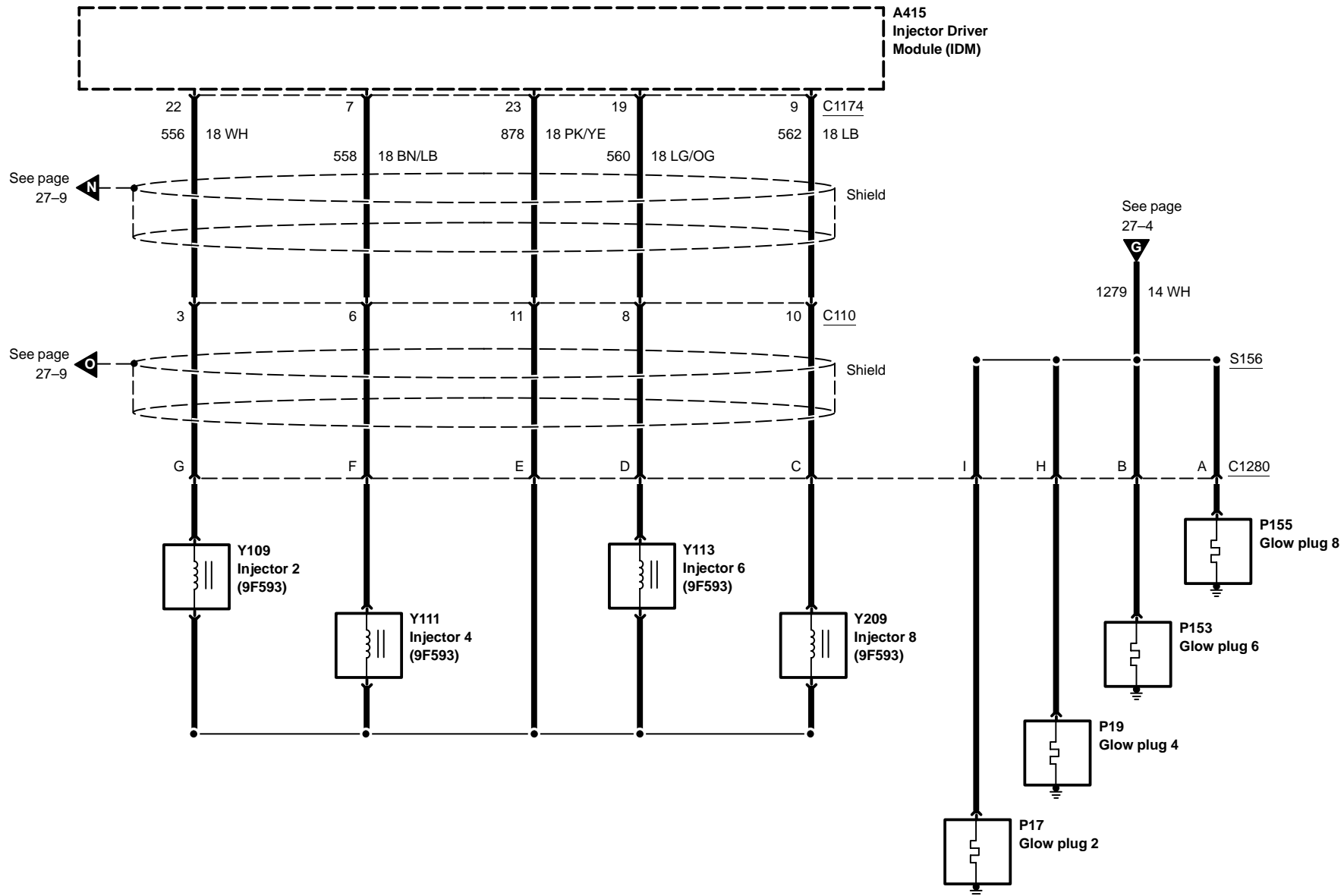
7.3L Diesel



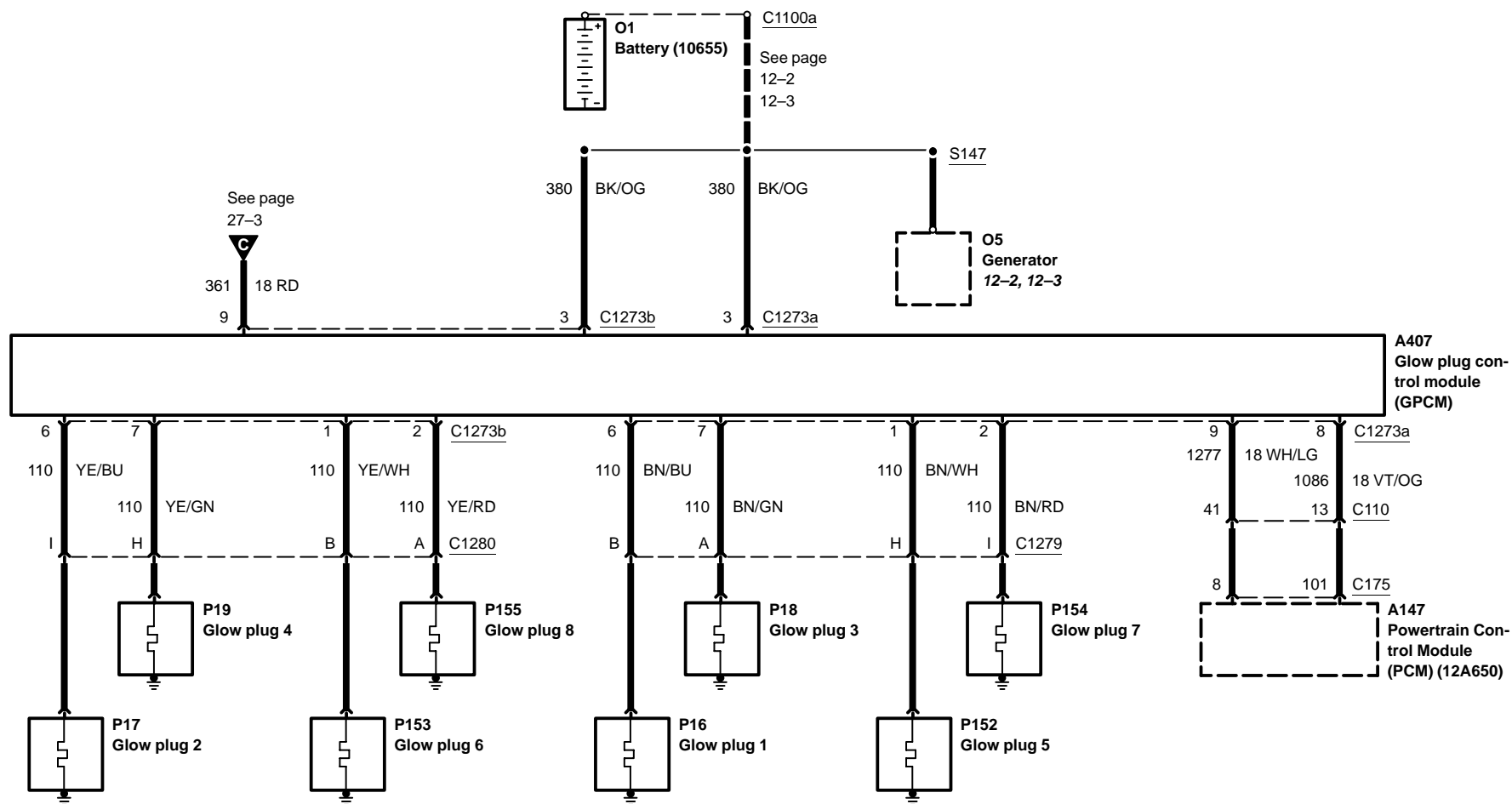
7.3L Diesel



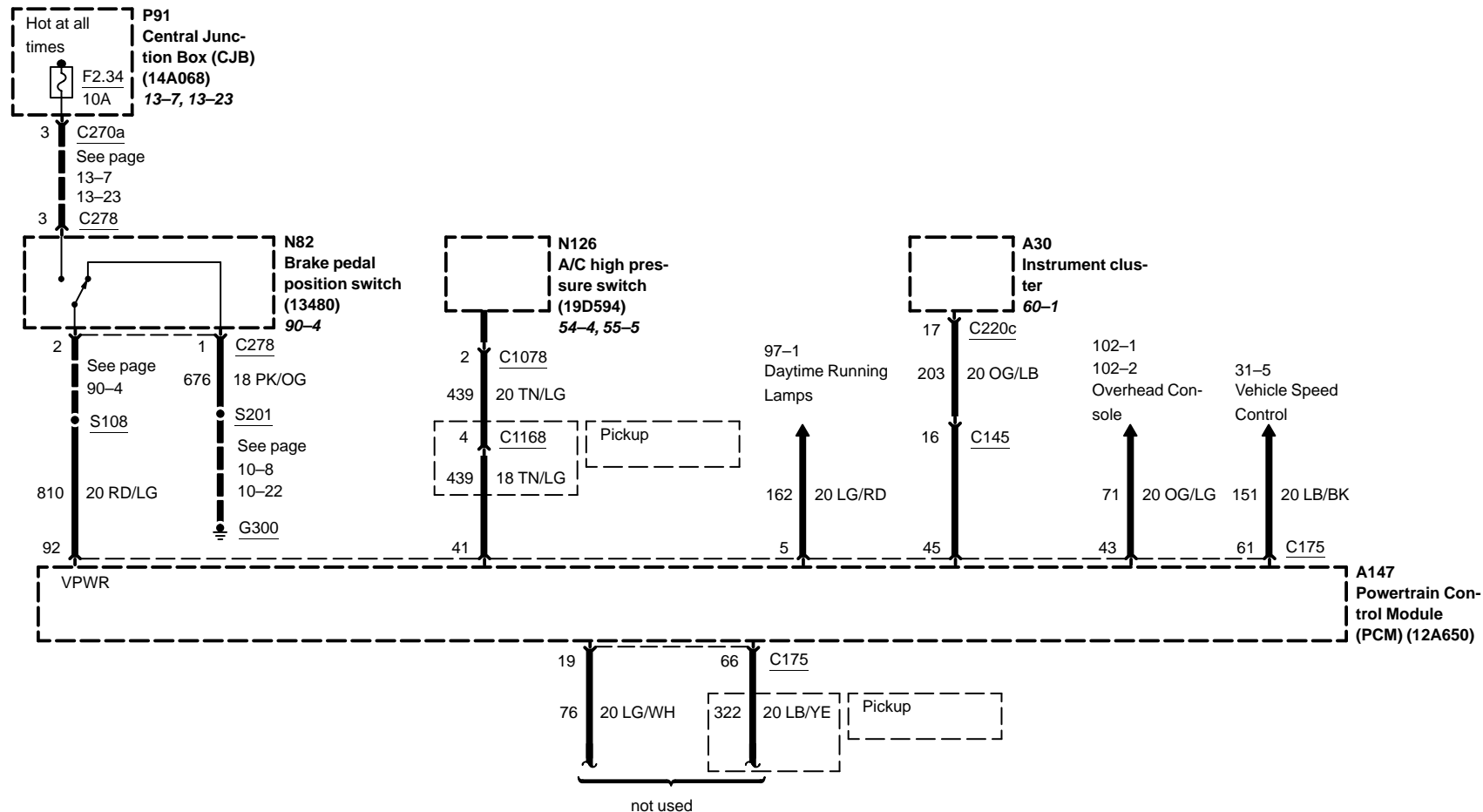
7.3L Diesel



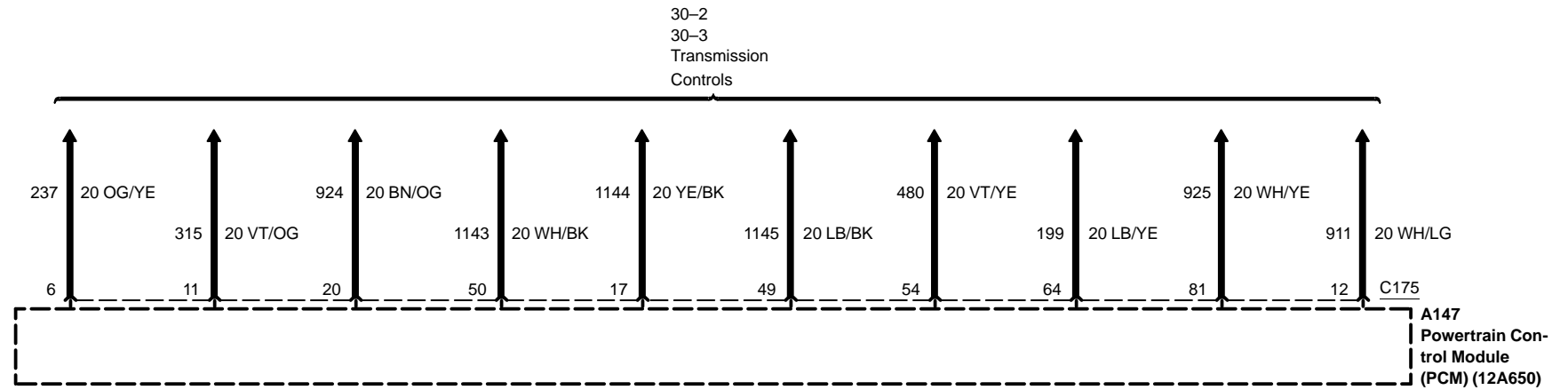
7.3L Diesel, California



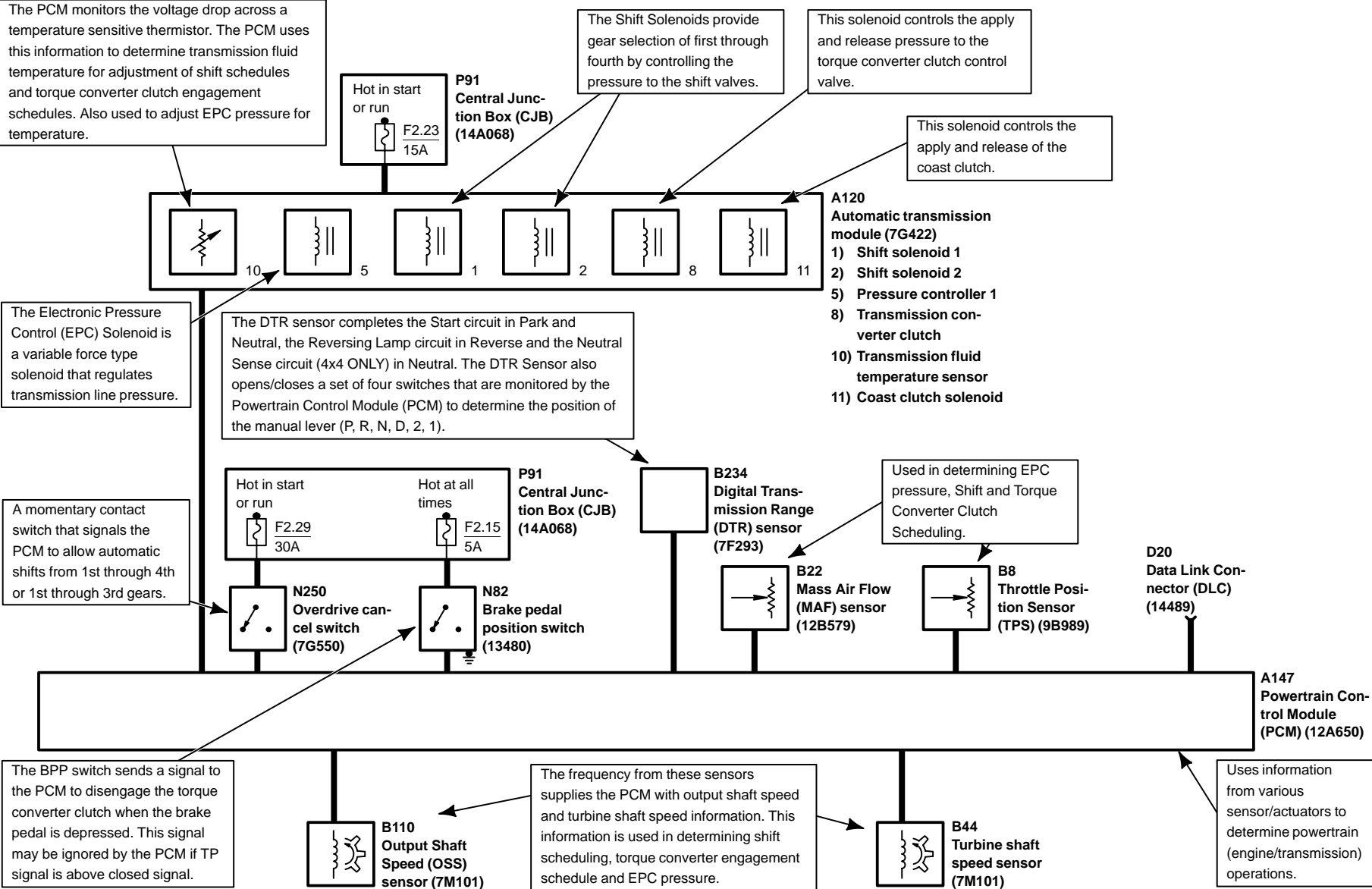
7.3L Diesel

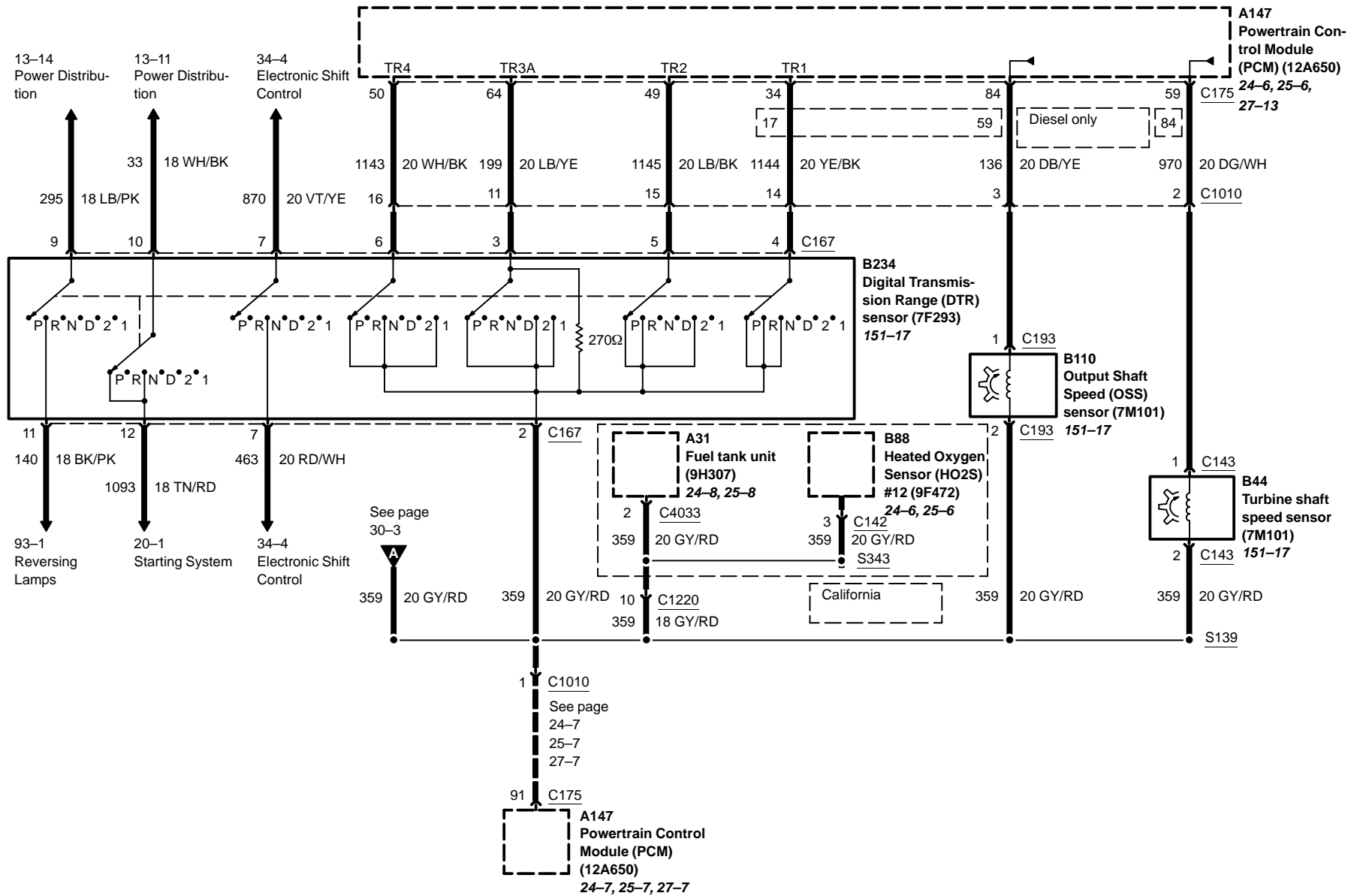


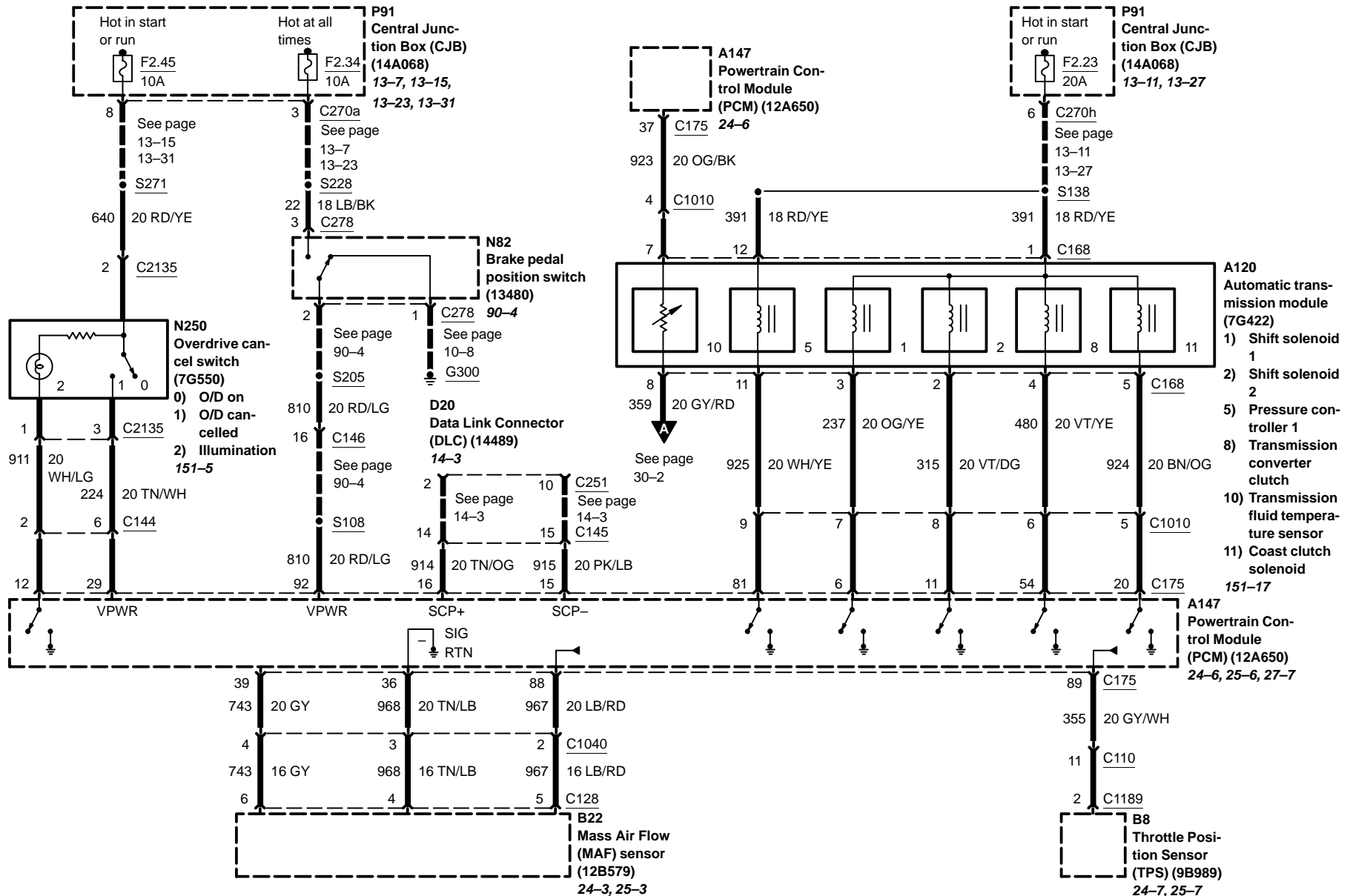
7.3L Diesel, automatic transmission



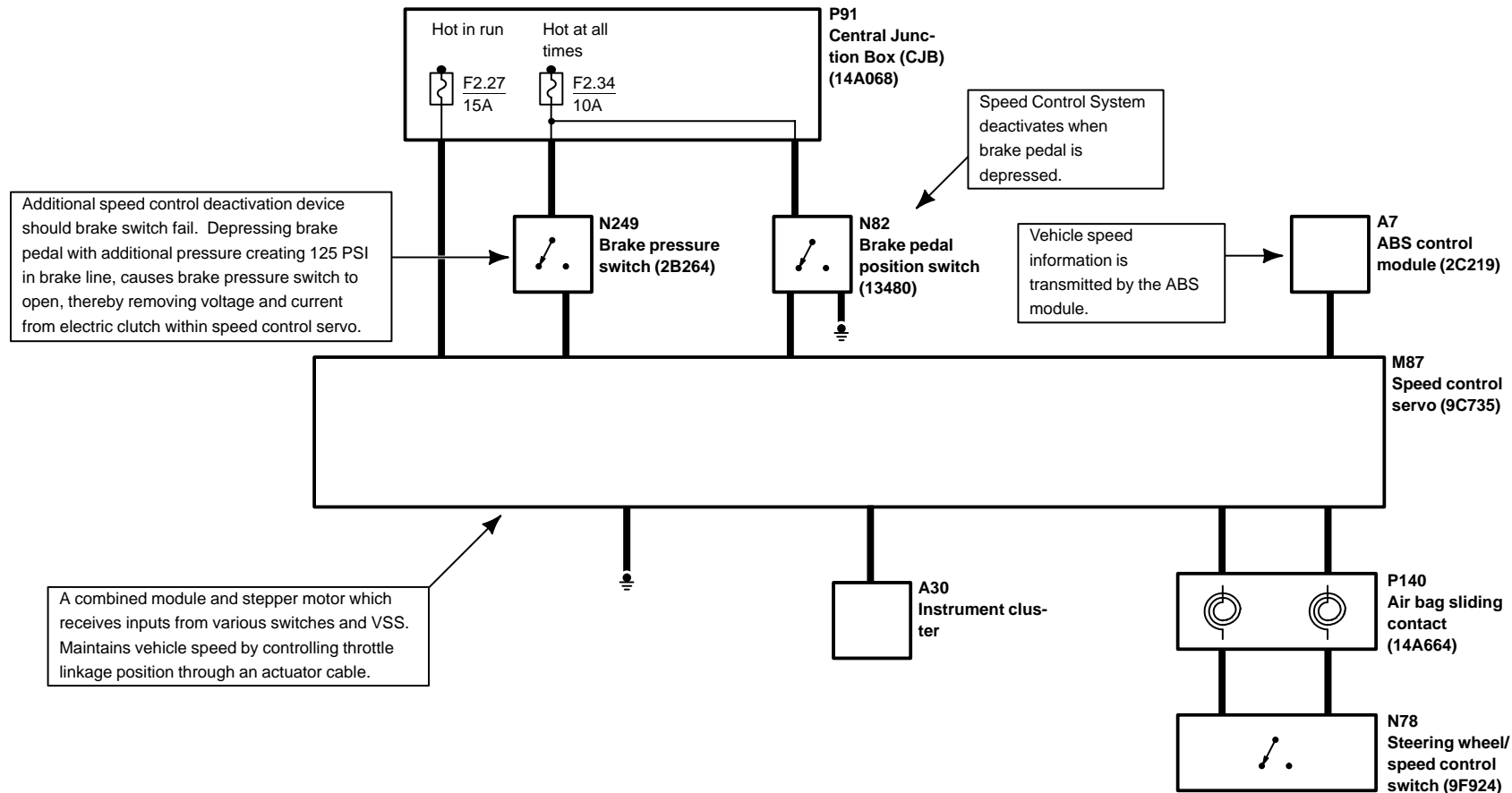
System overview



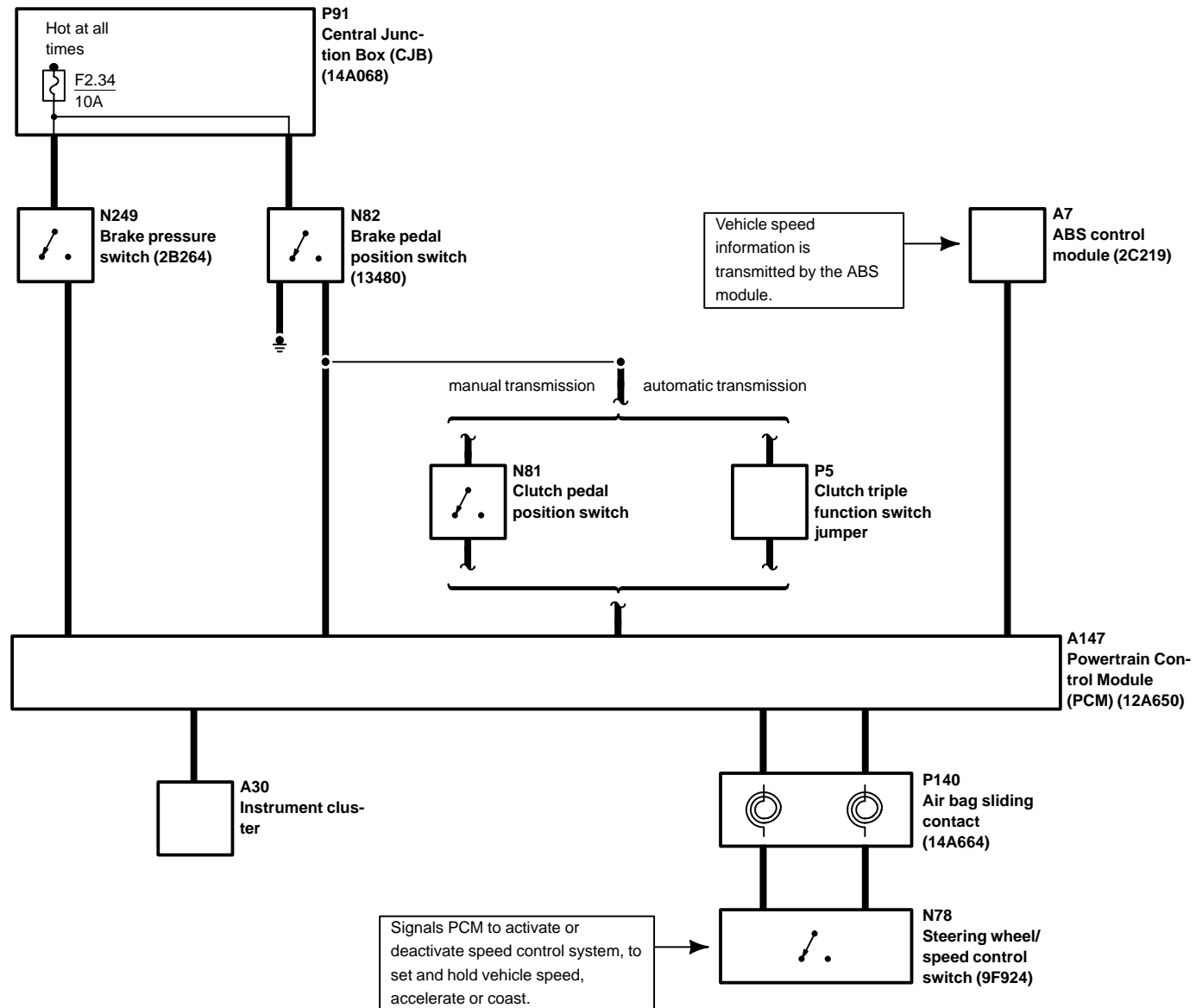




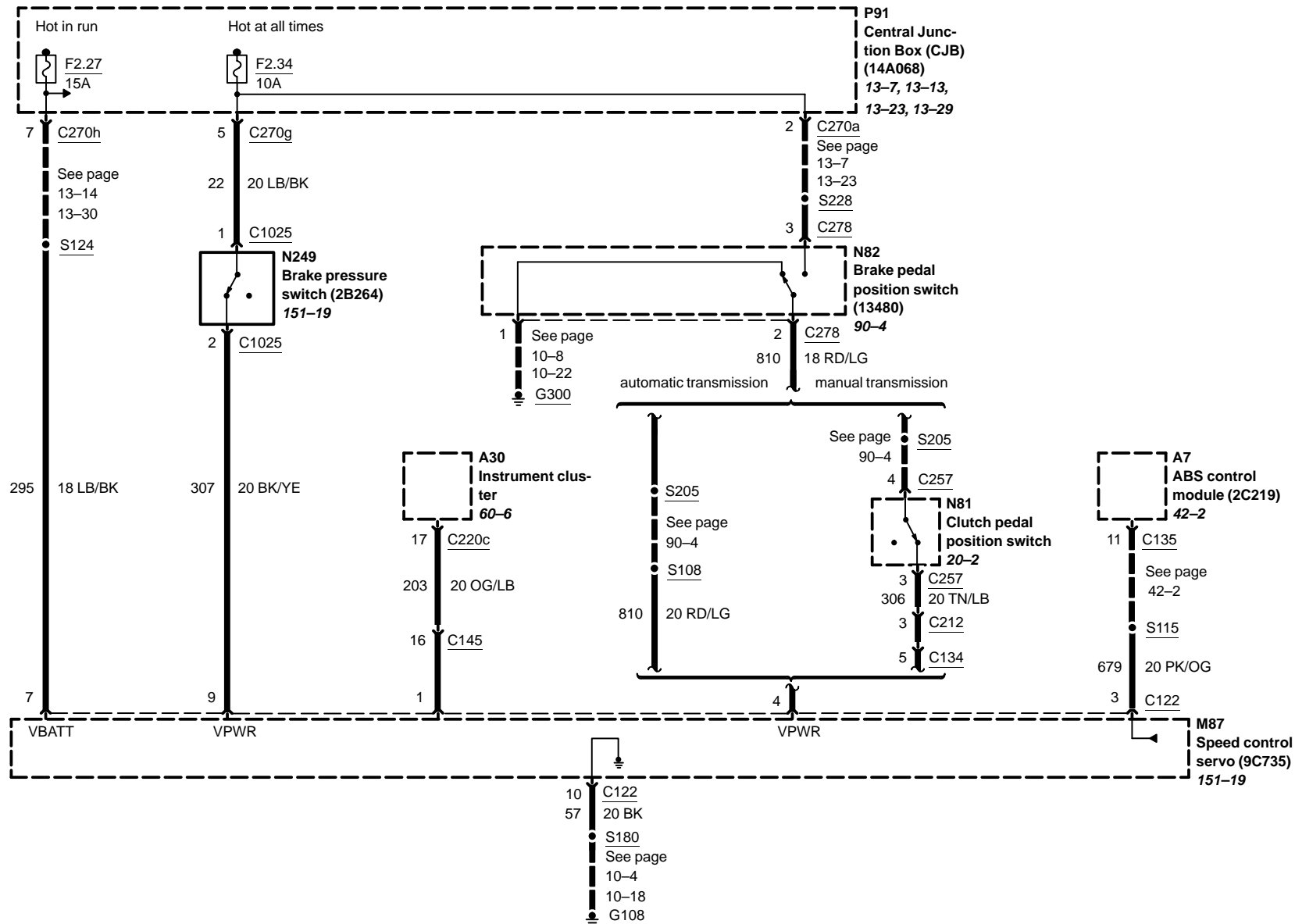
System overview, gasoline engines



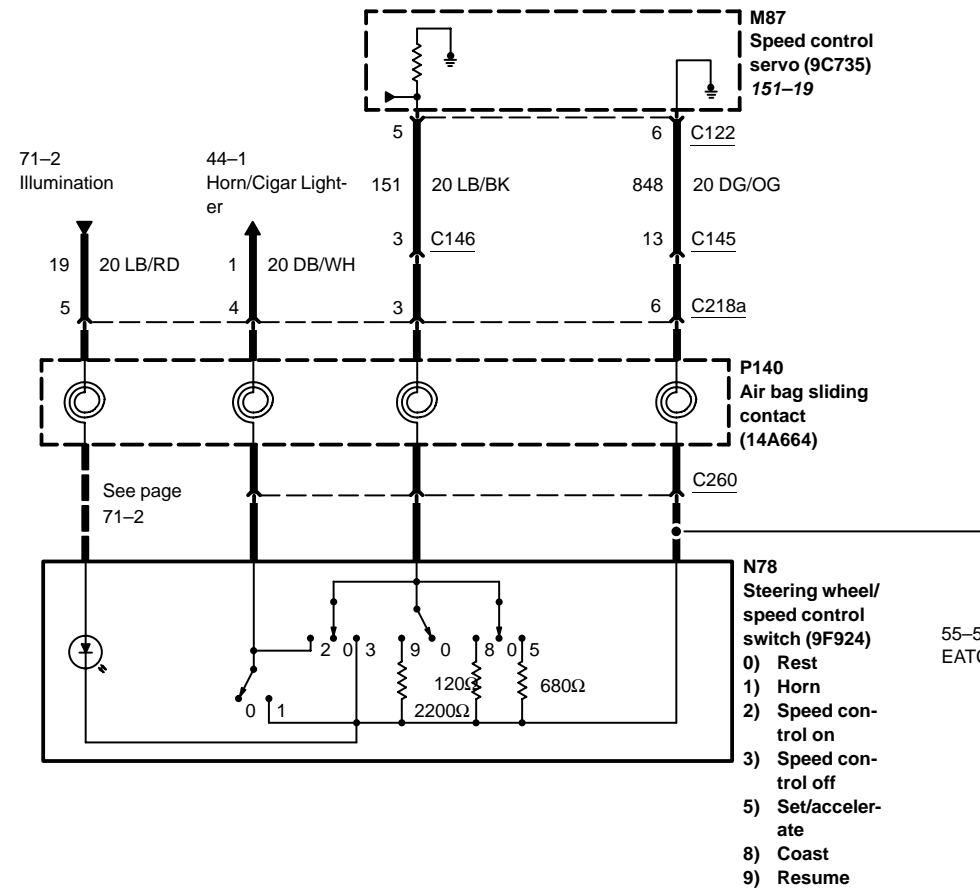
System overview, Diesel only



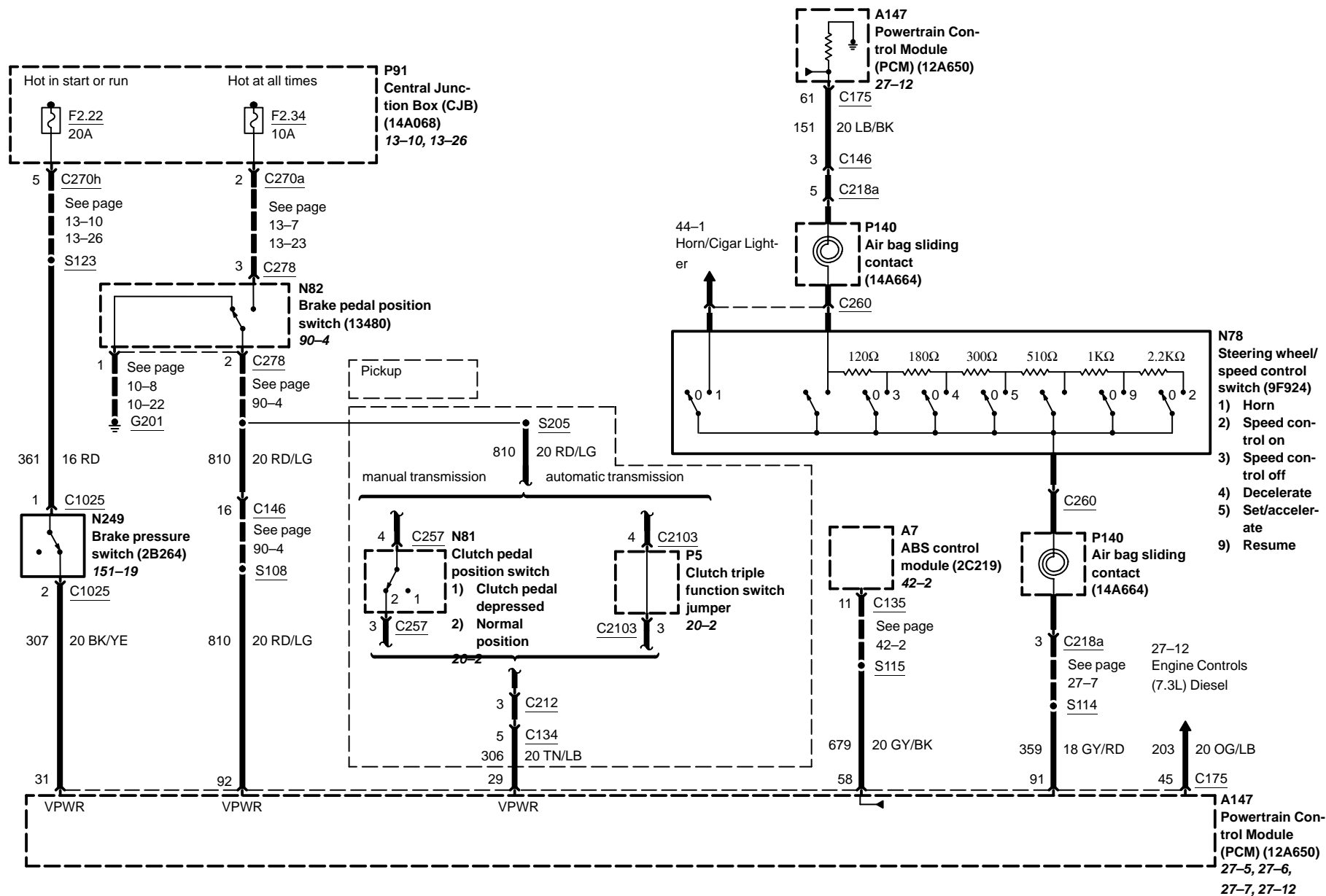
gasoline engines



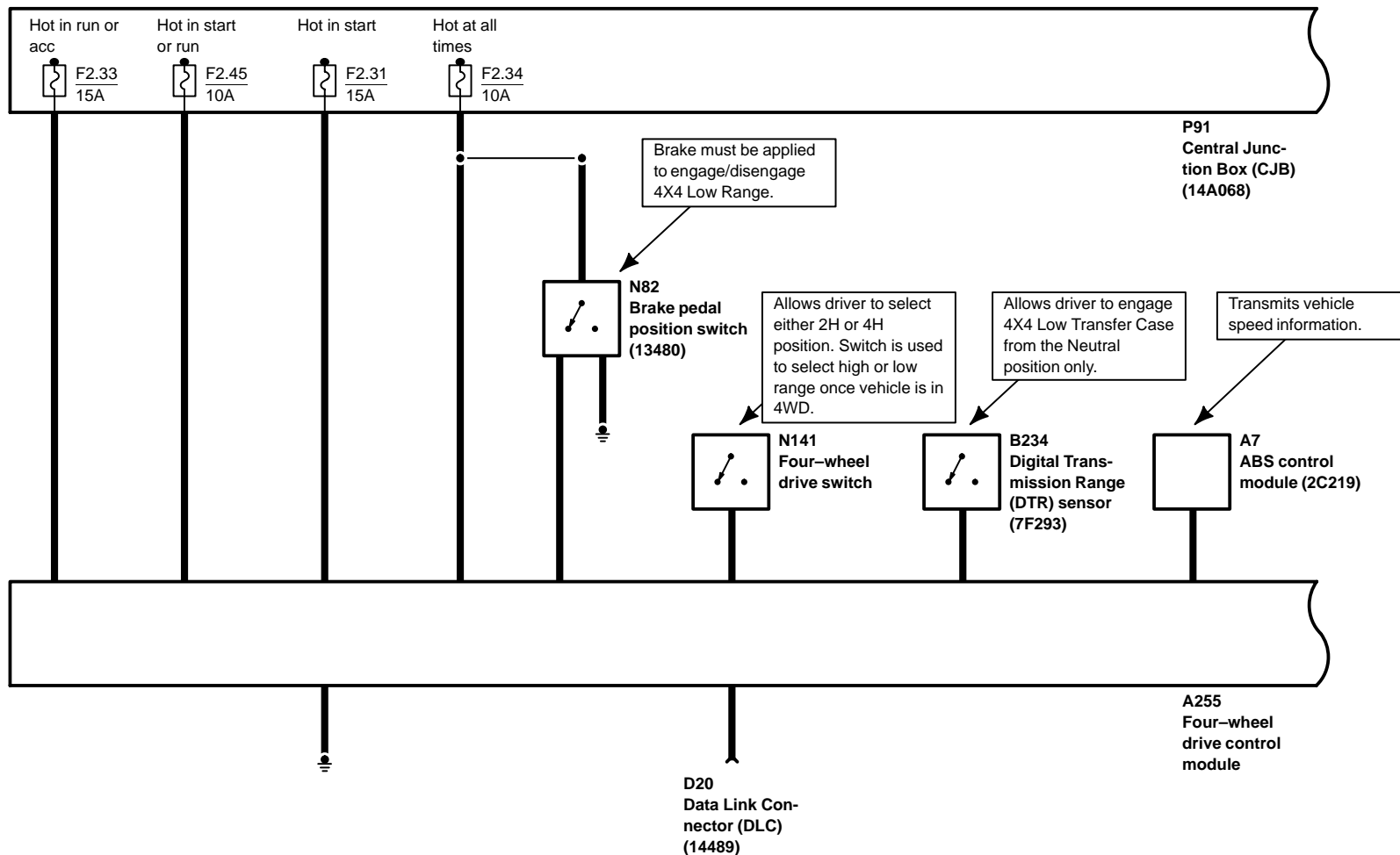
gasoline engines



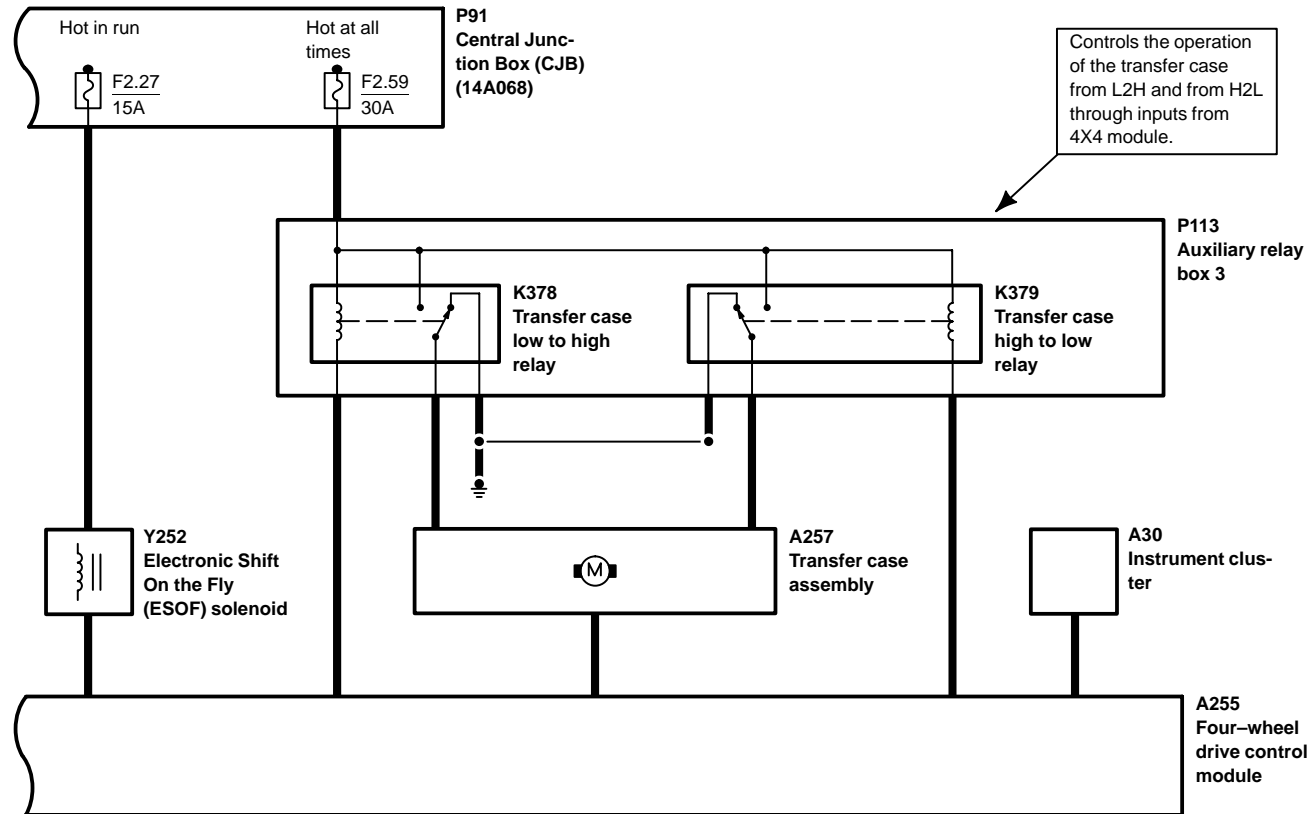
Diesel only

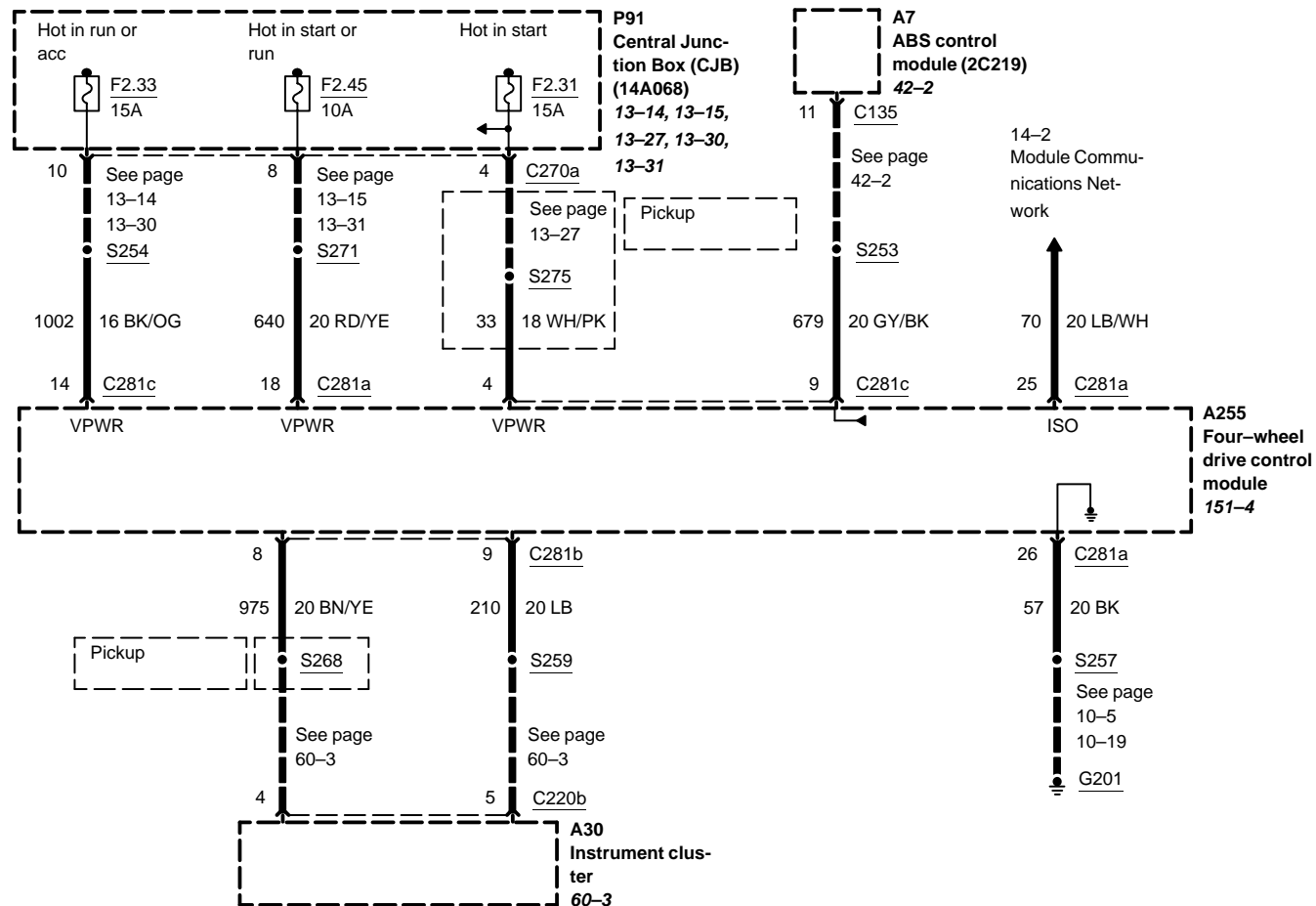


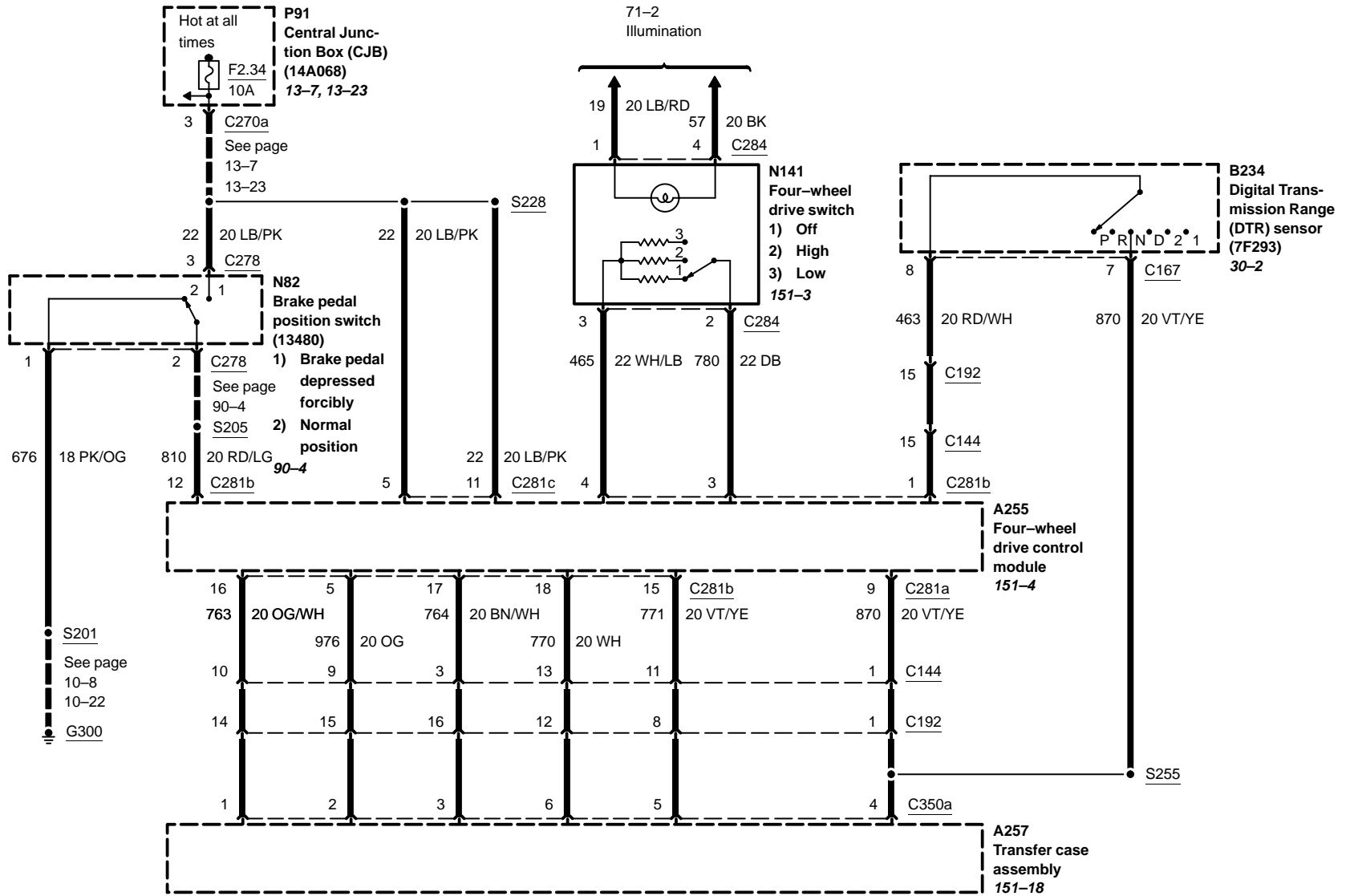
System overview

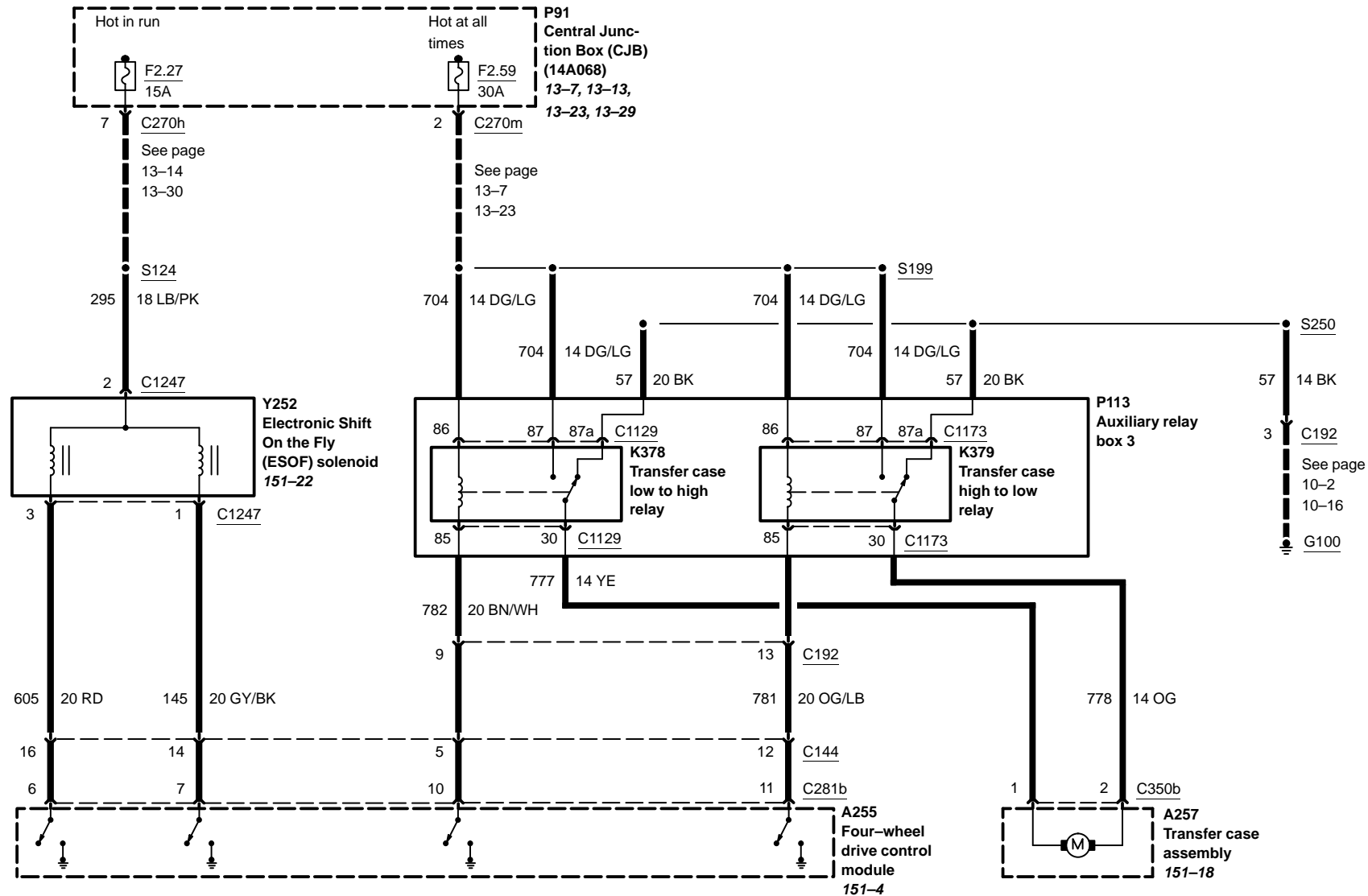


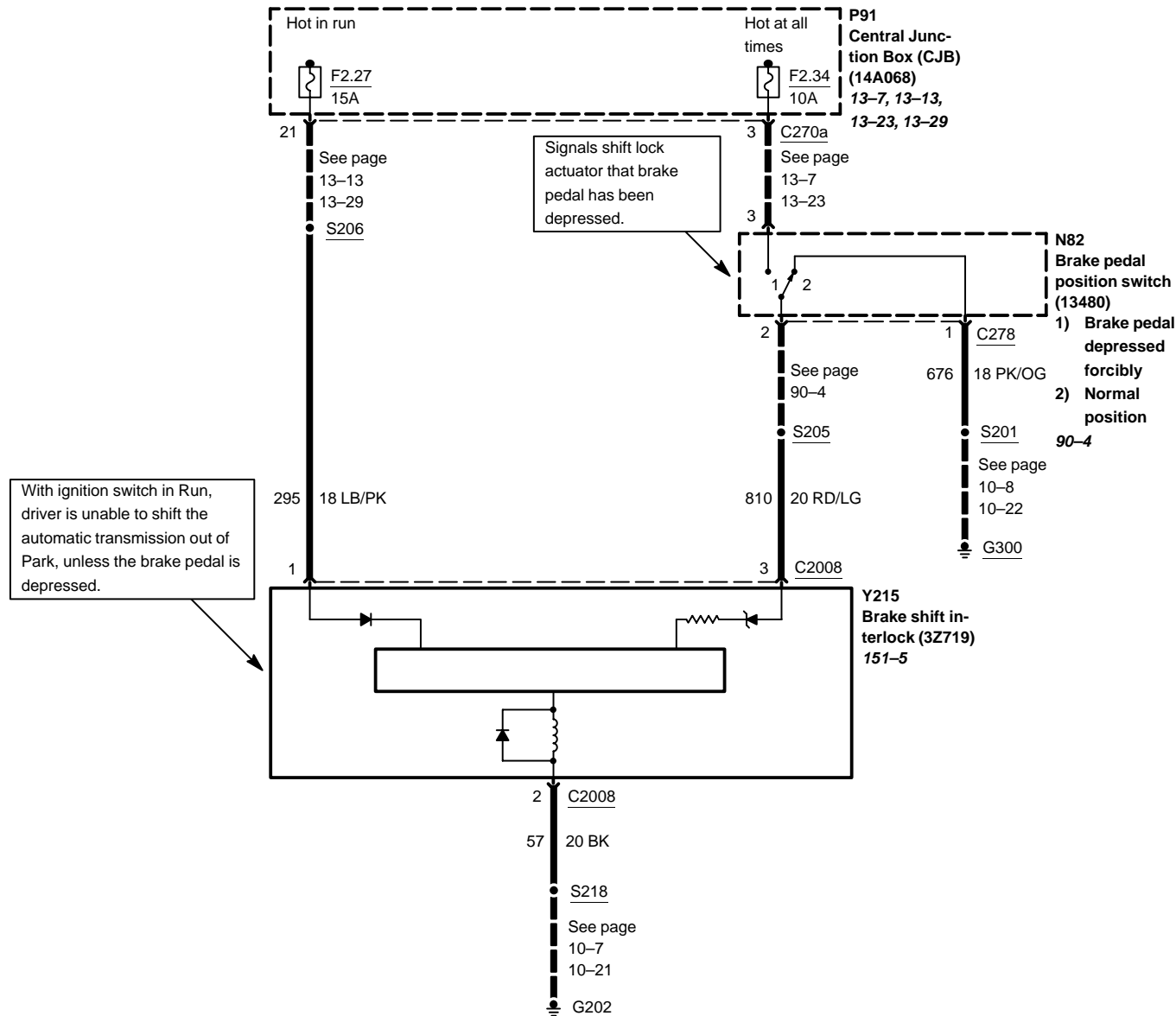
System overview



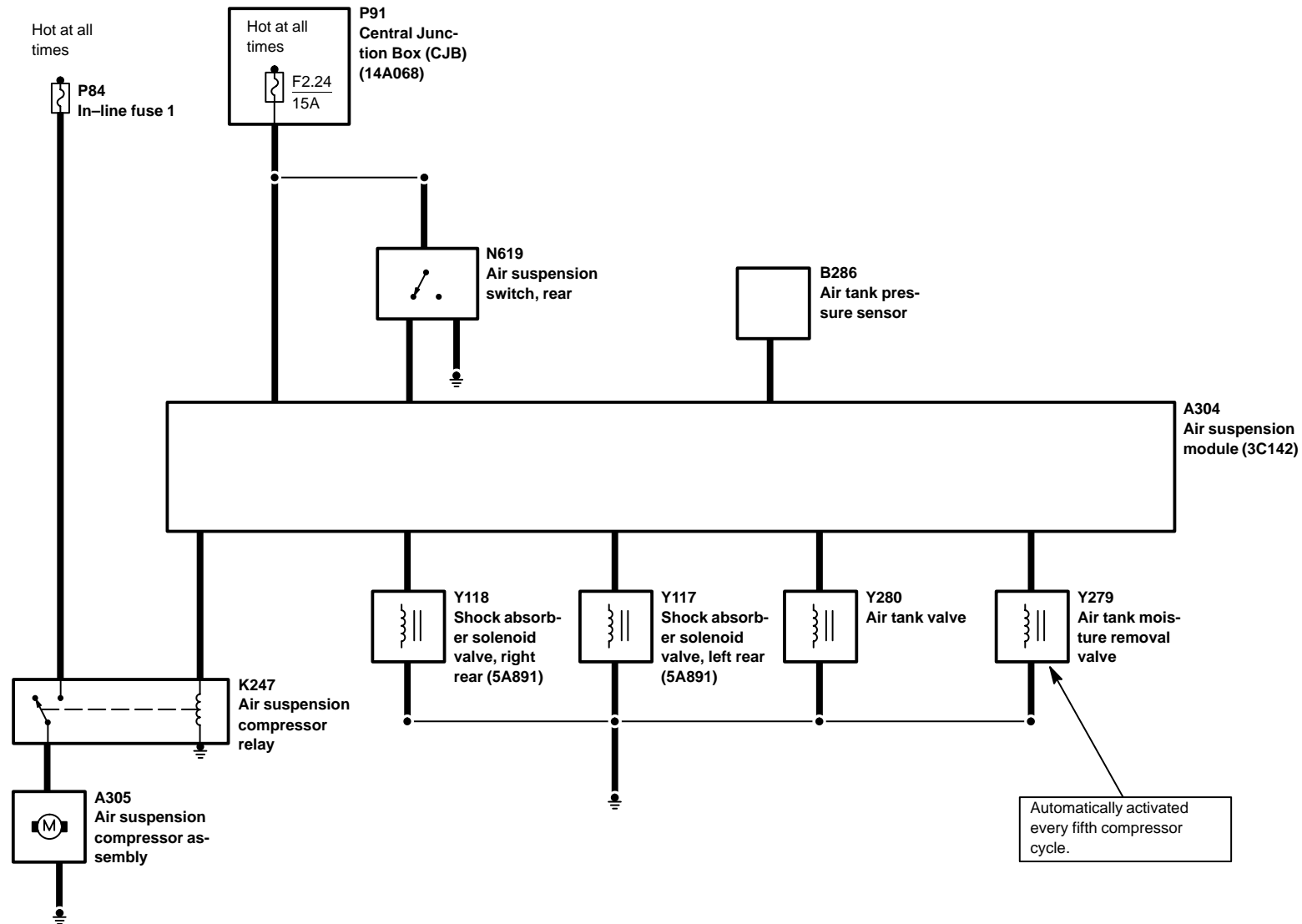




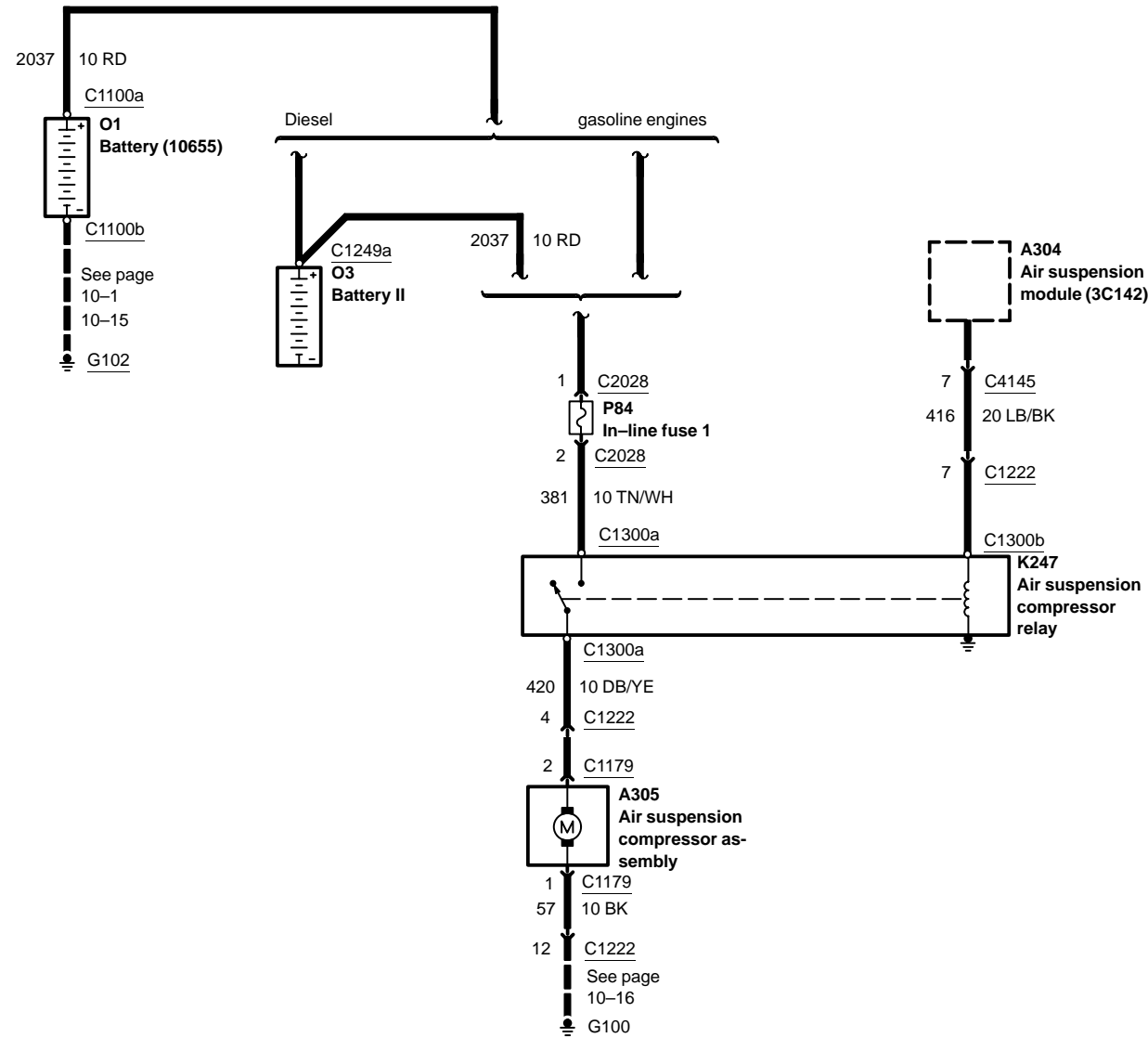




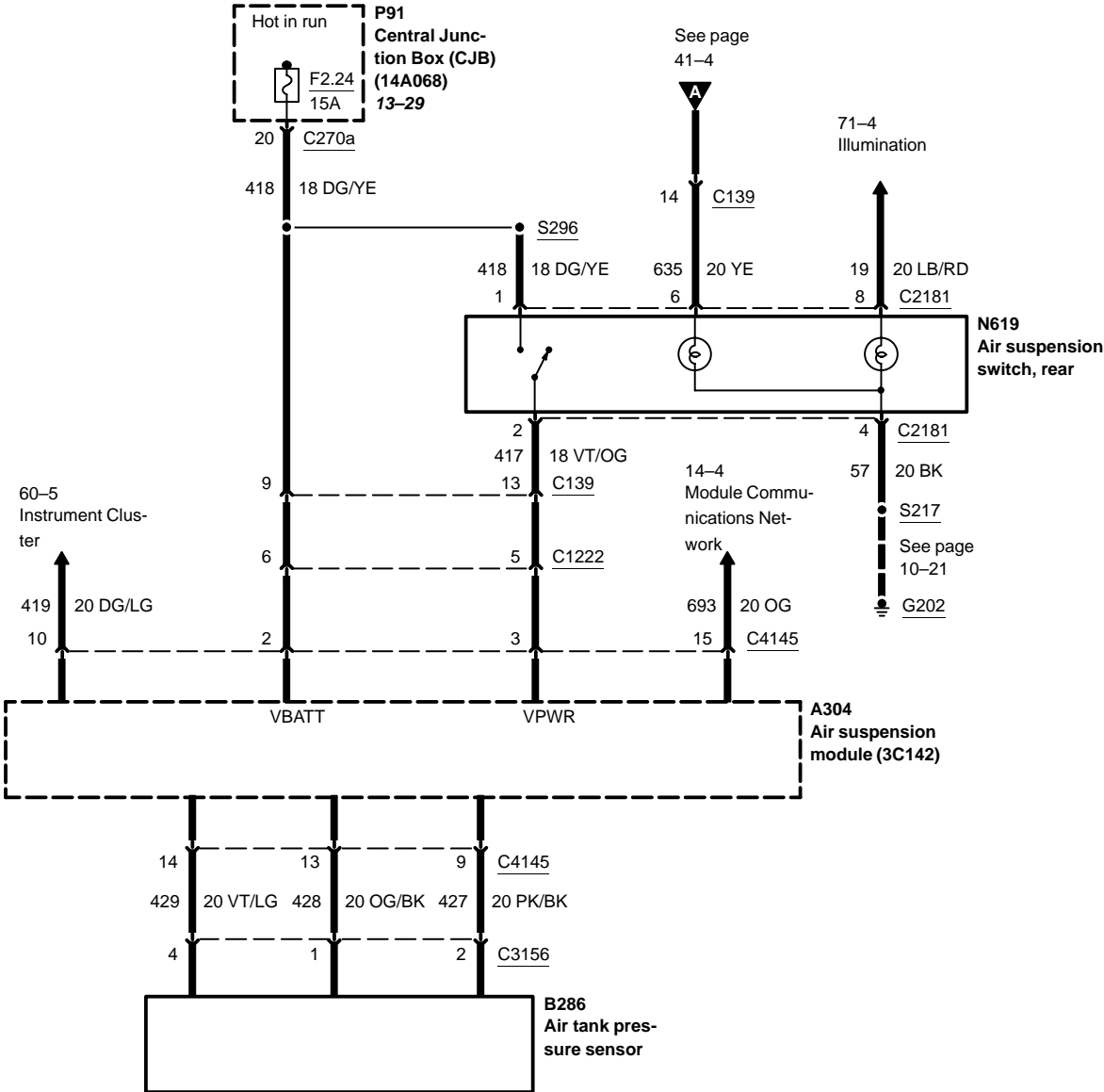
System overview, Pickup



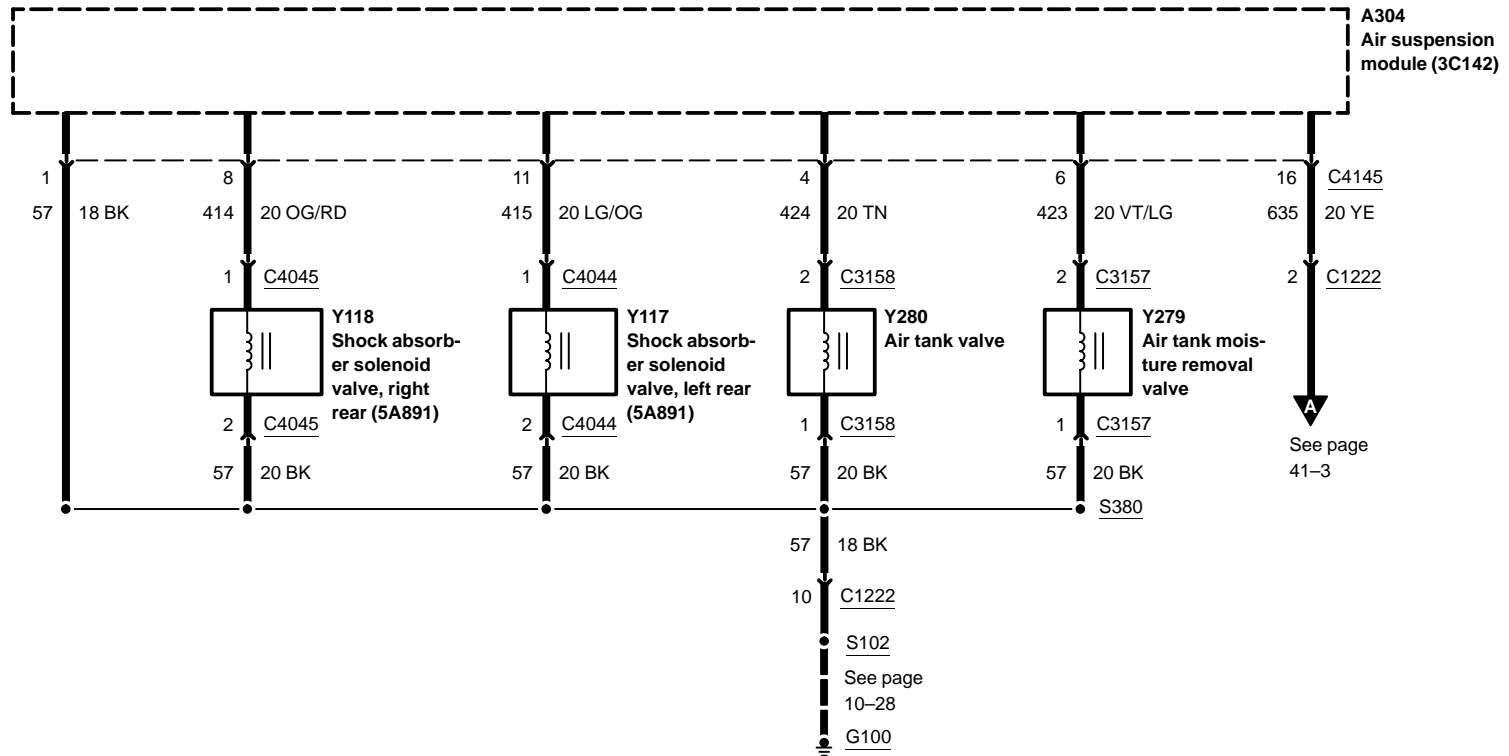
Pickup

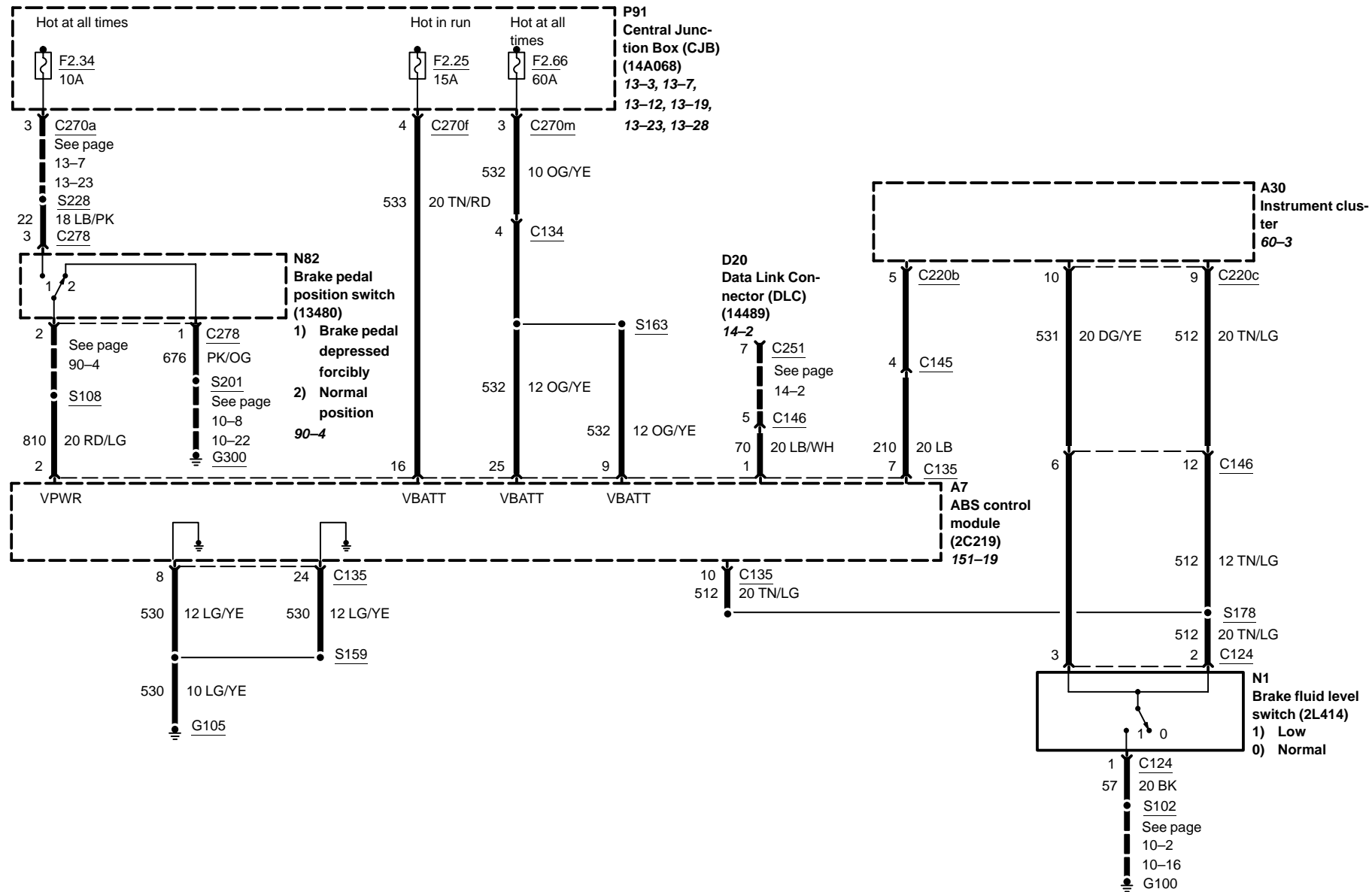


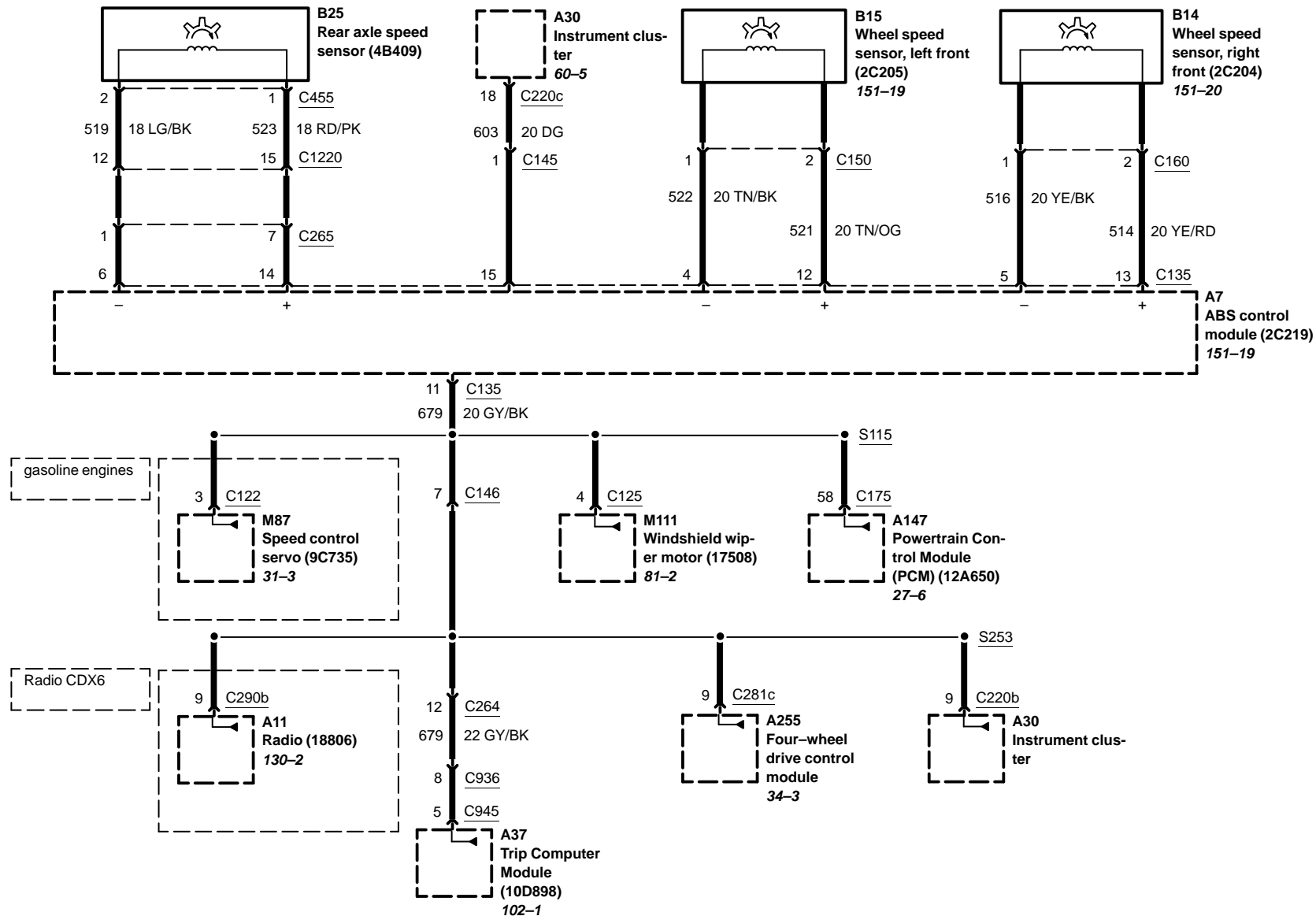
Pickup



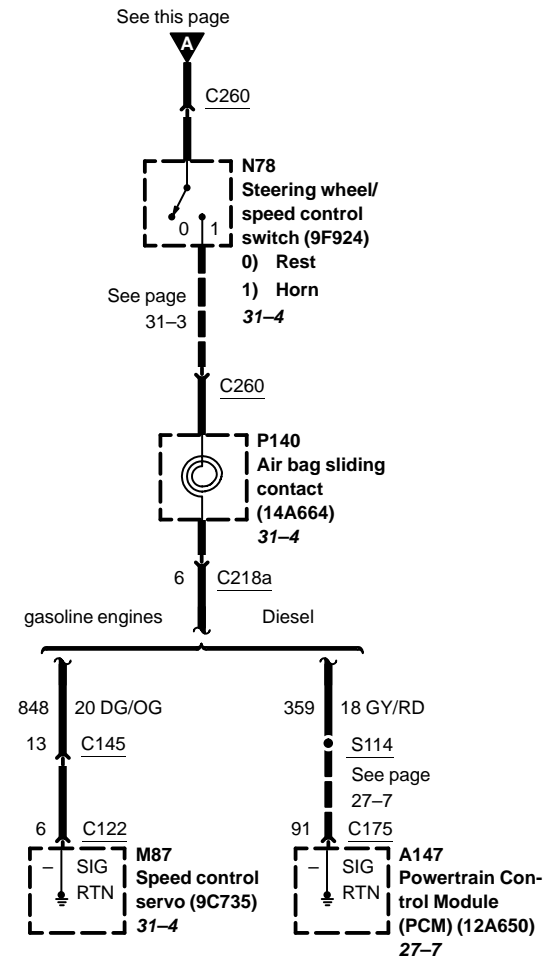
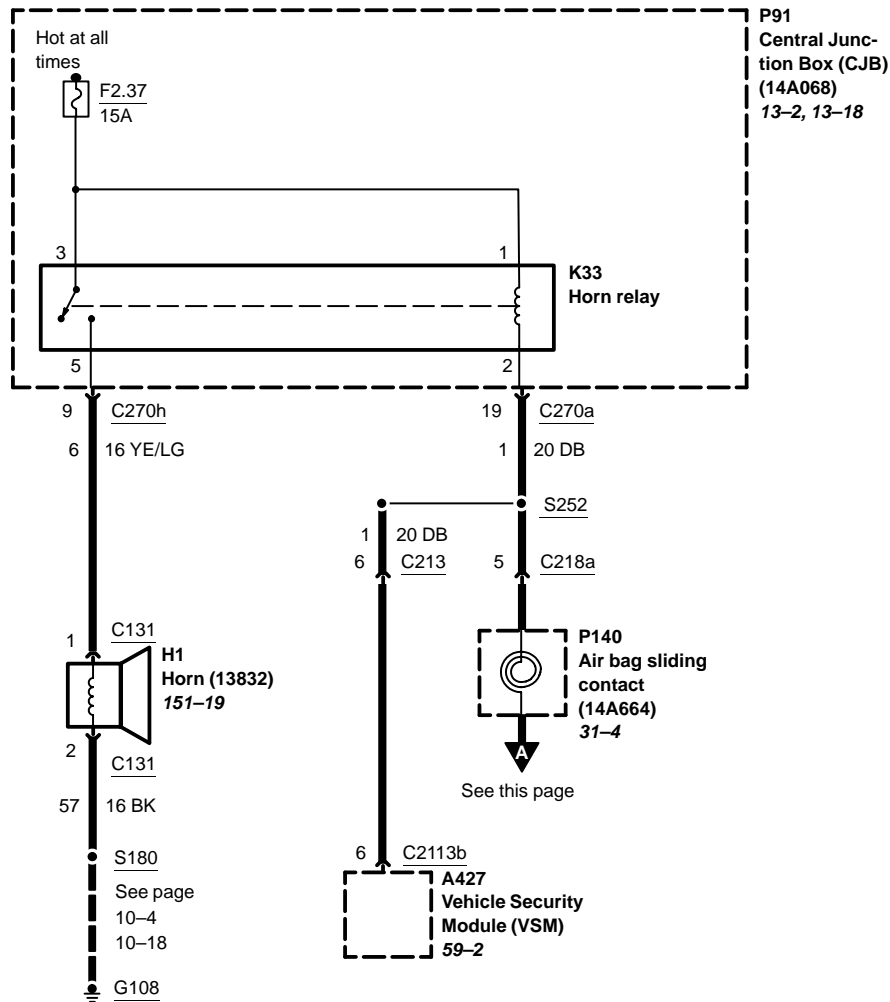
Pickup

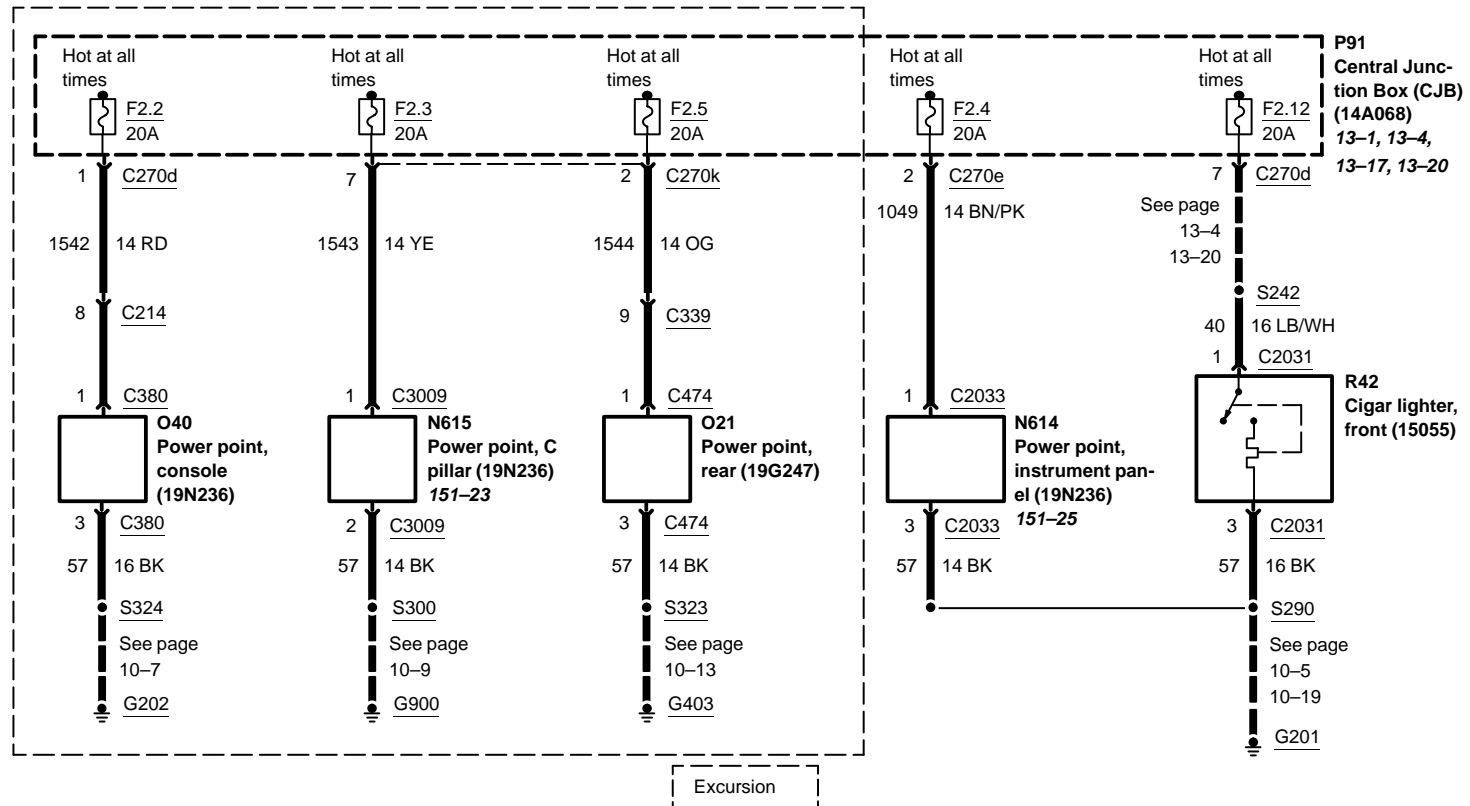




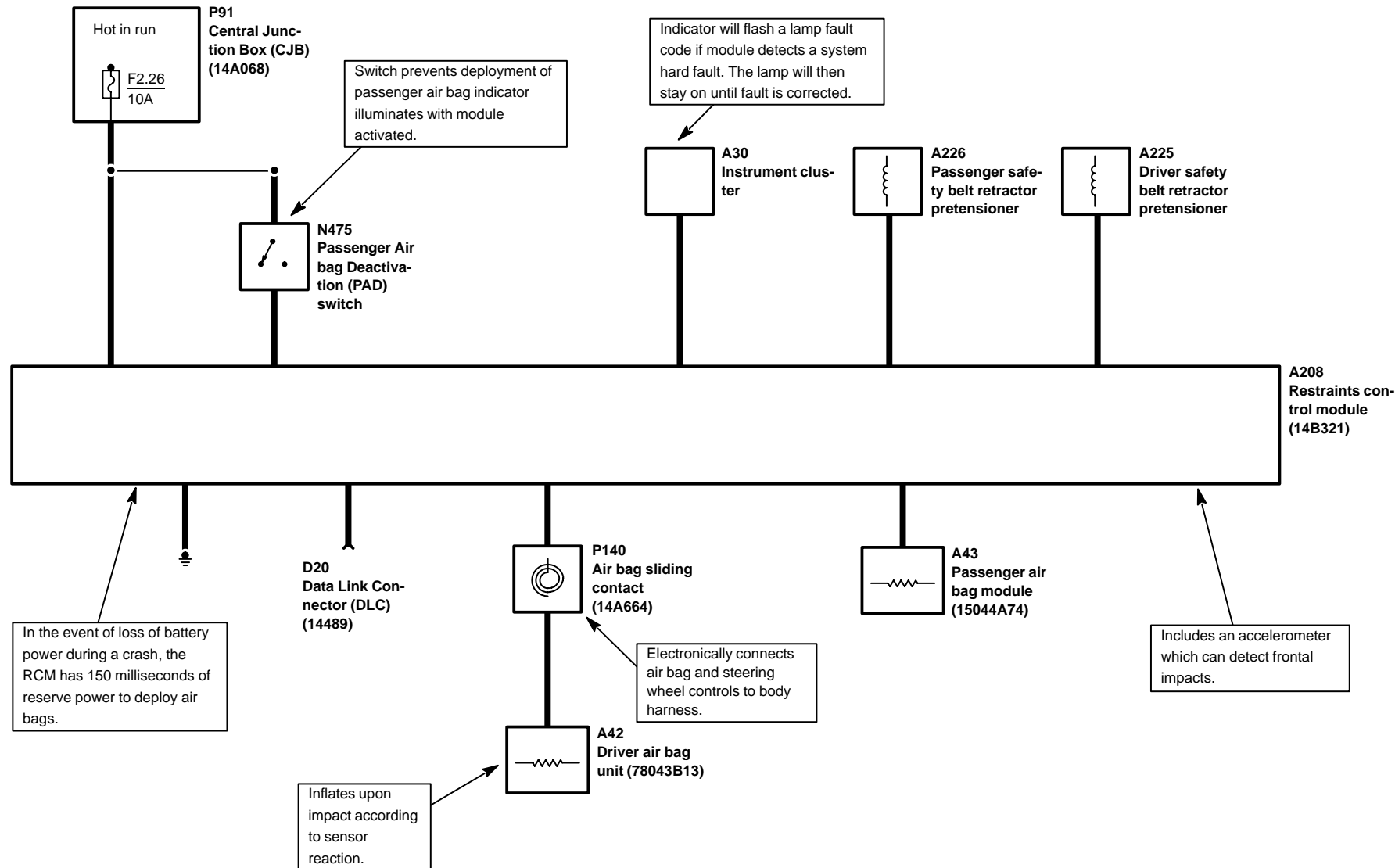


44-1 Horn/Cigar Lighter

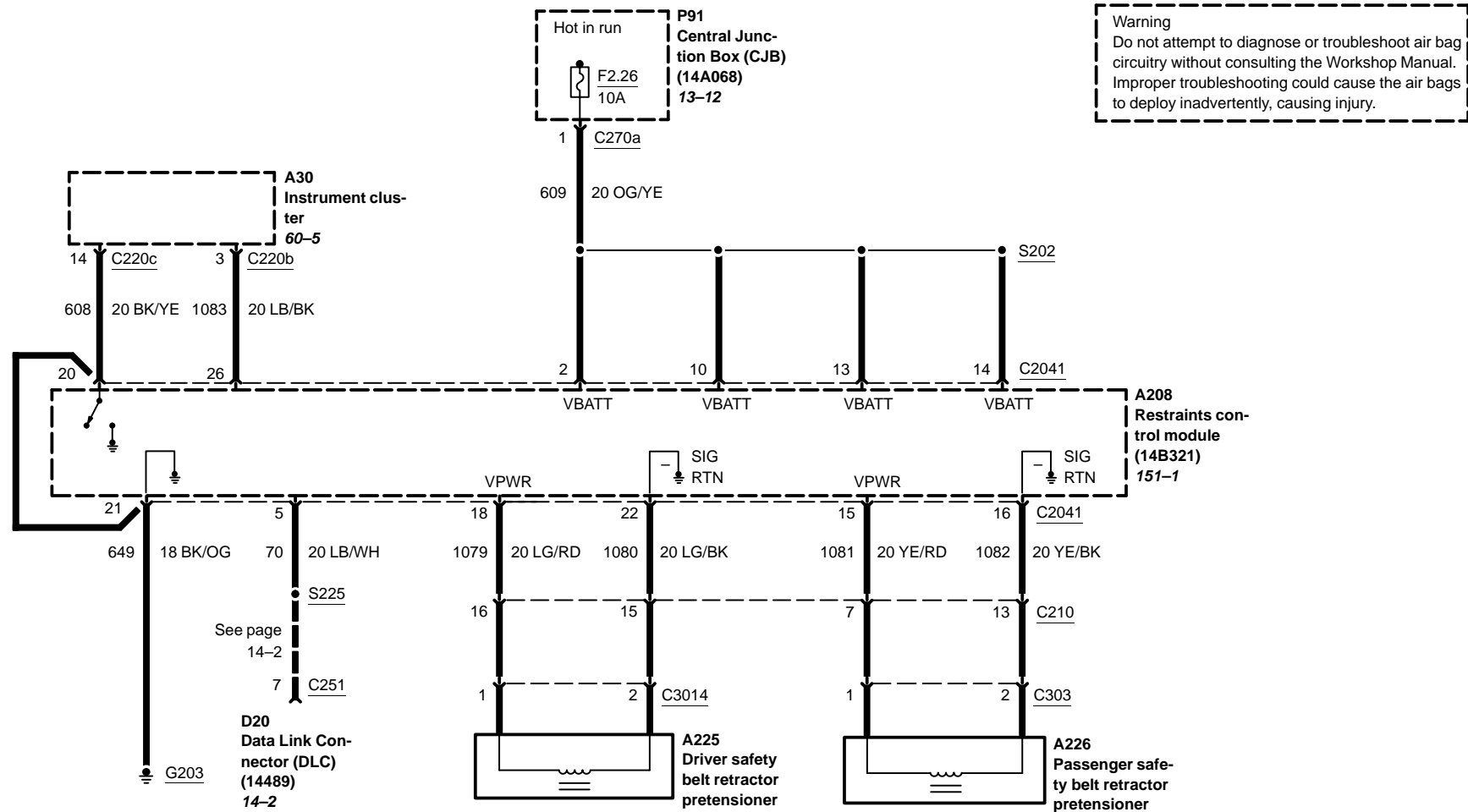




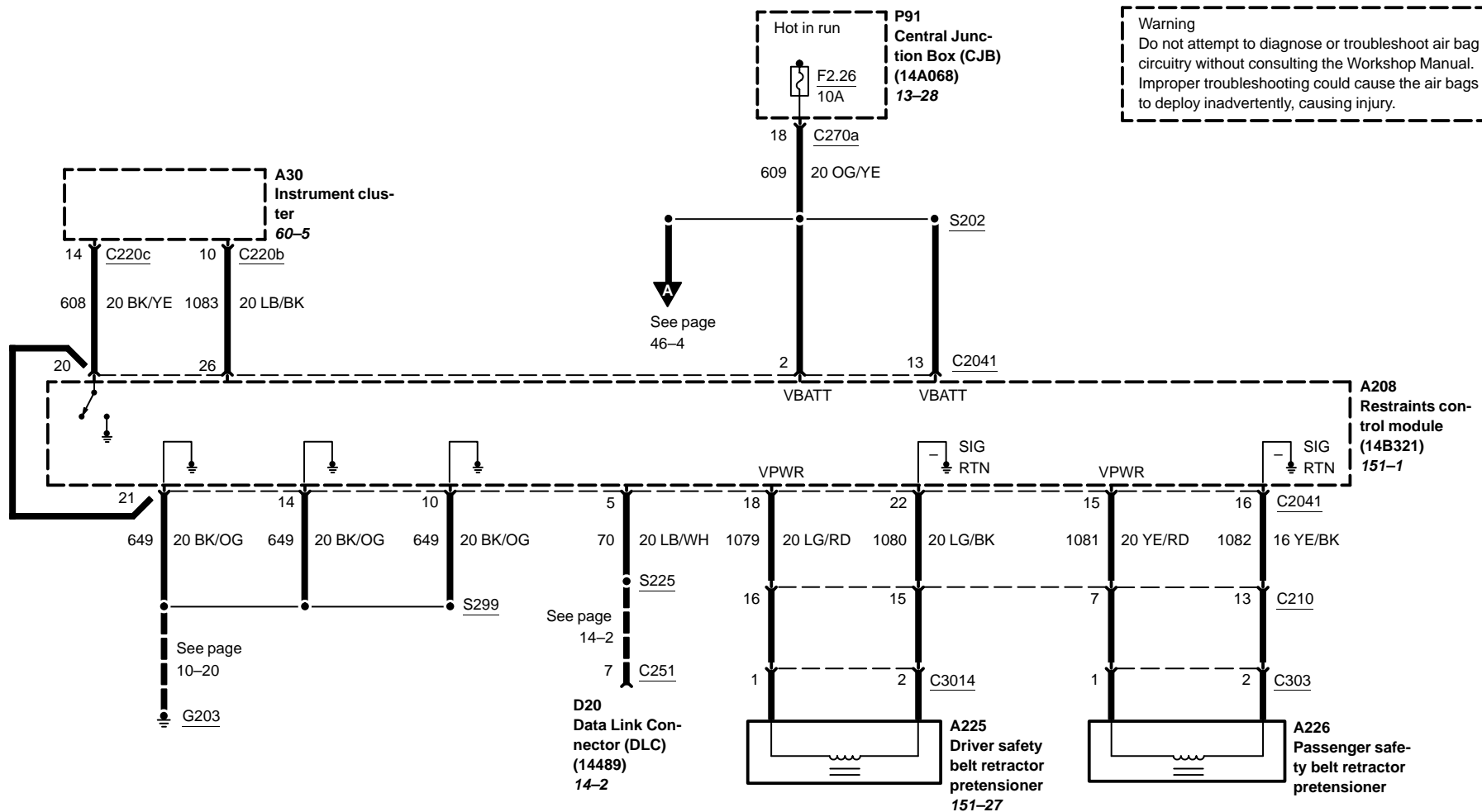
System overview

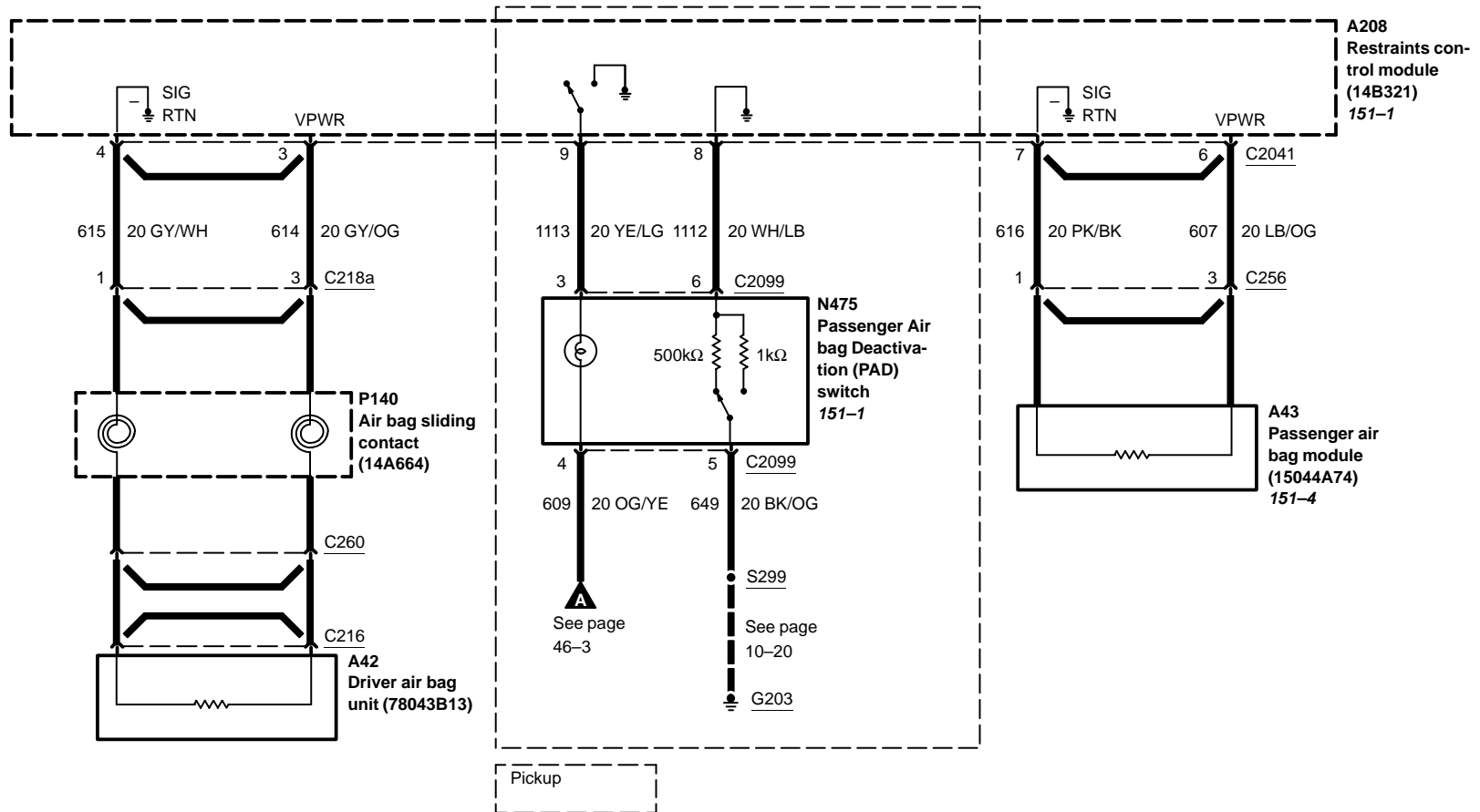


Excursion

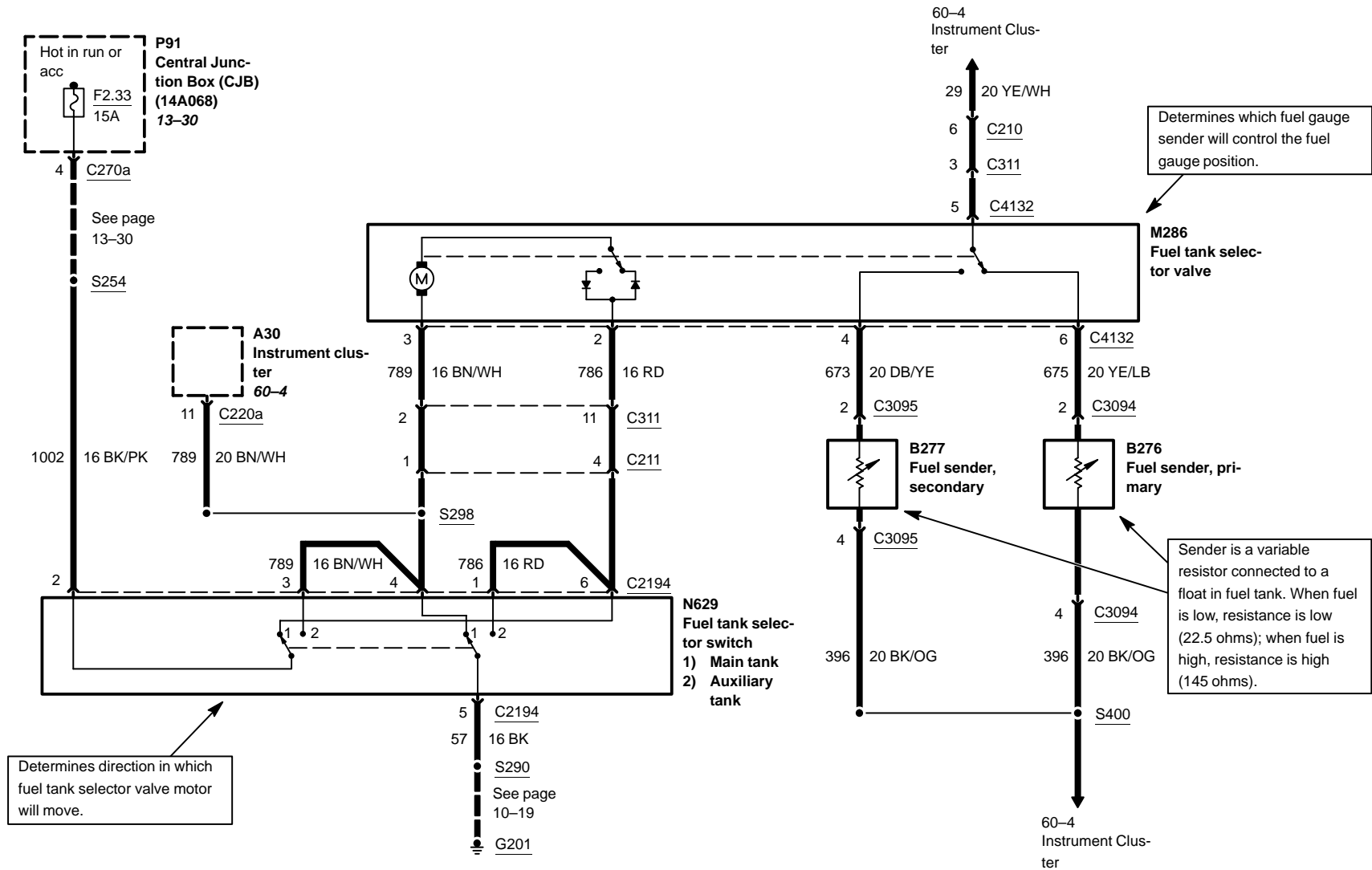


Pickup

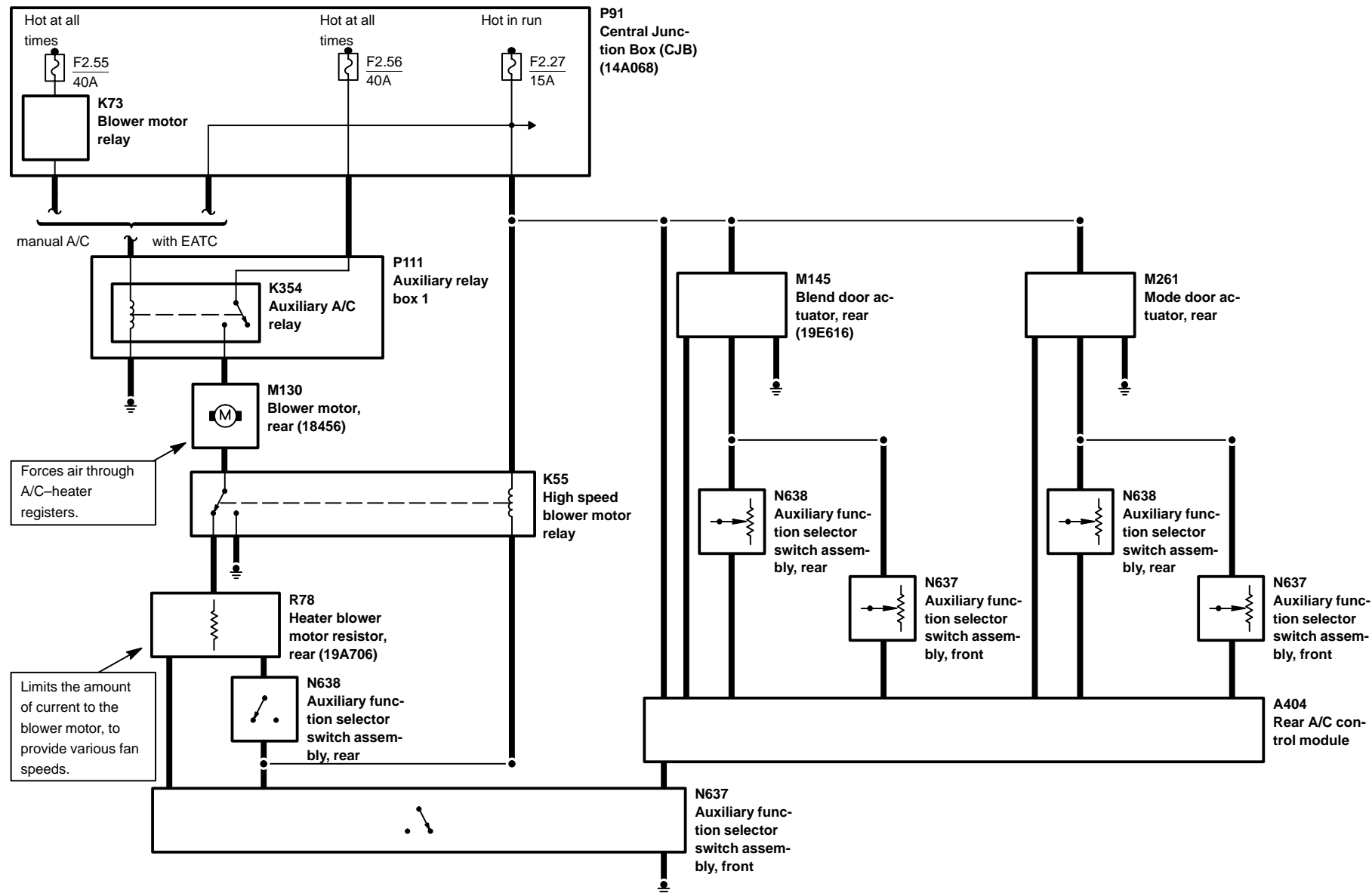


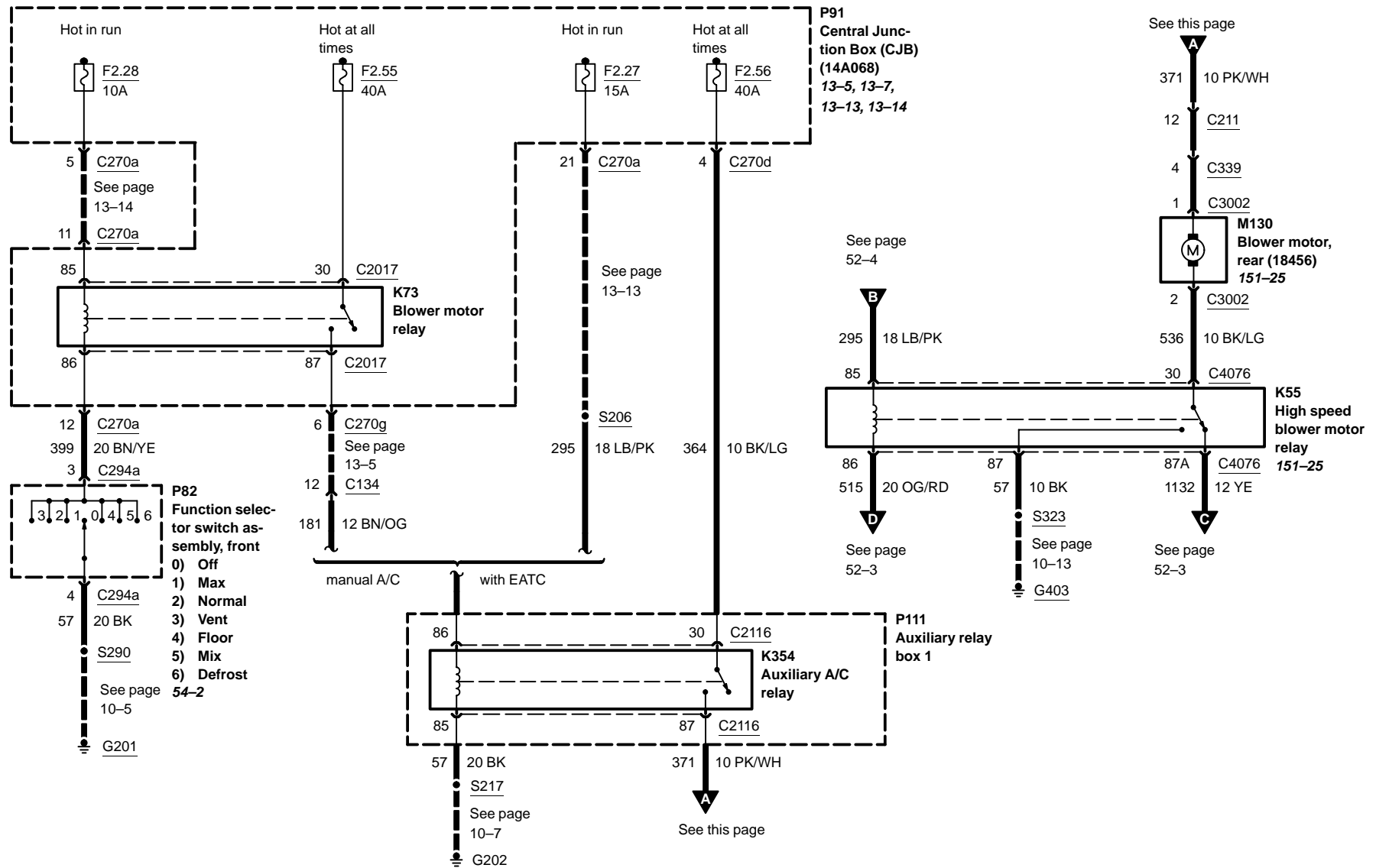


Pickup, Diesel only

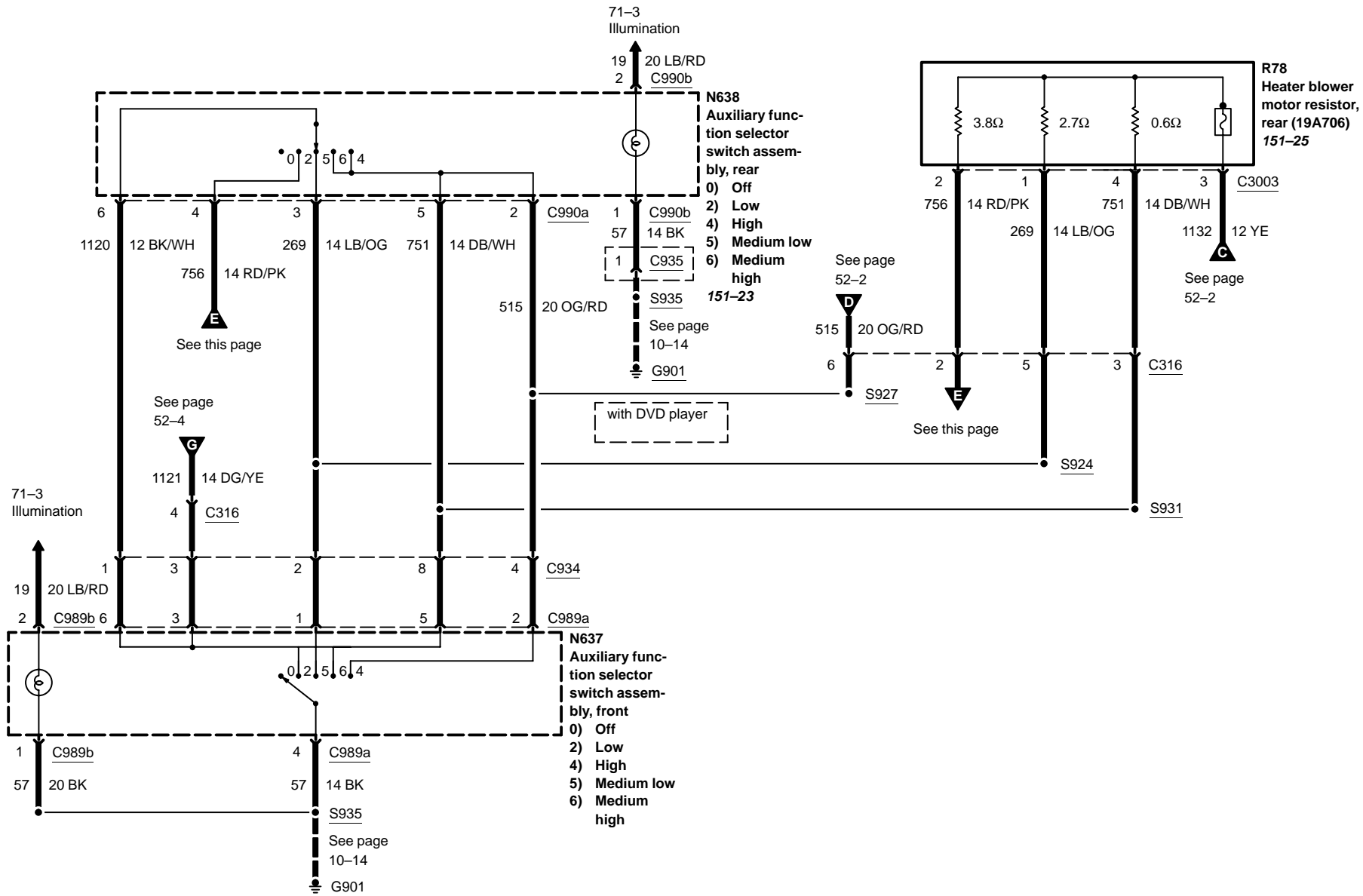


System overview

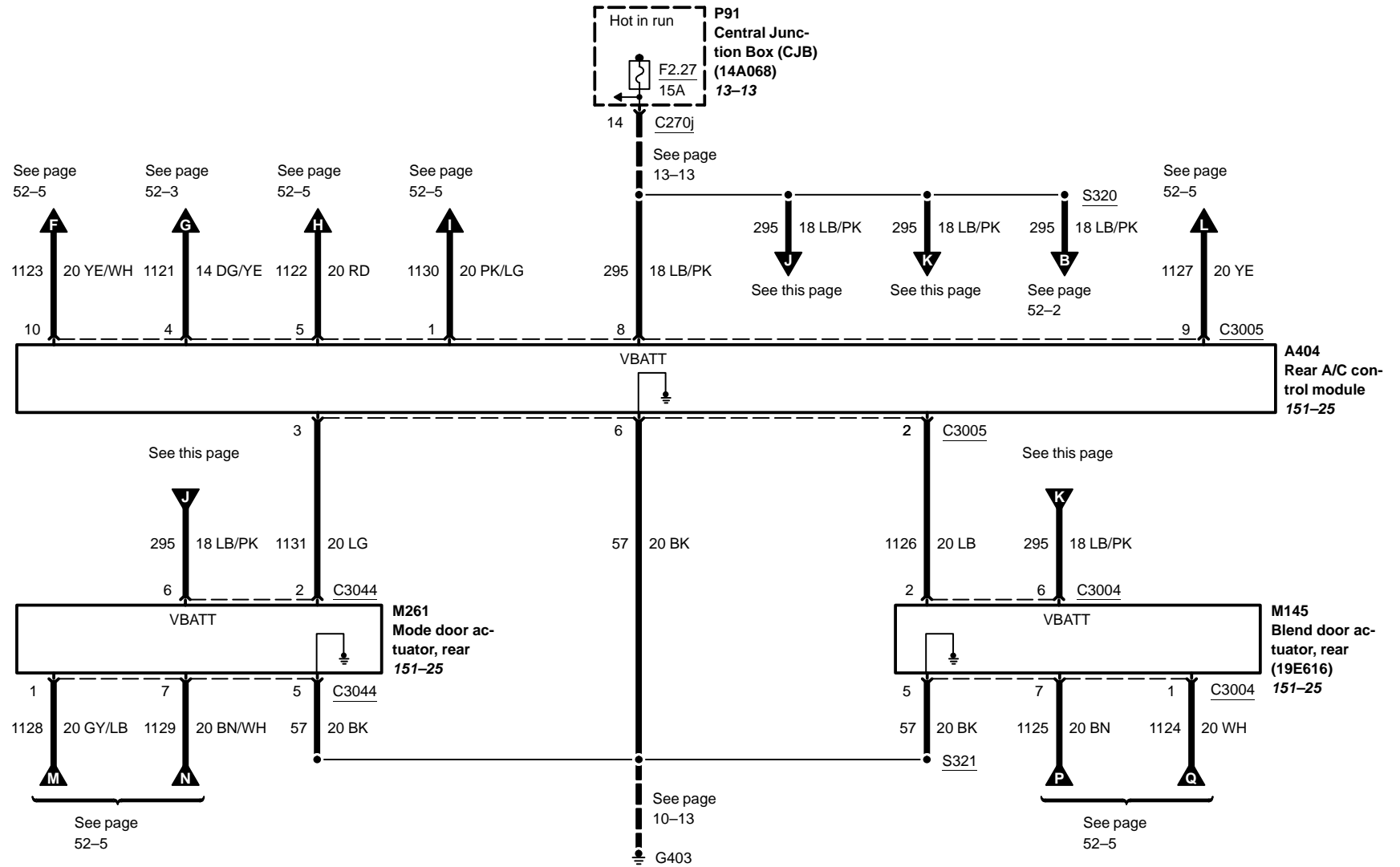




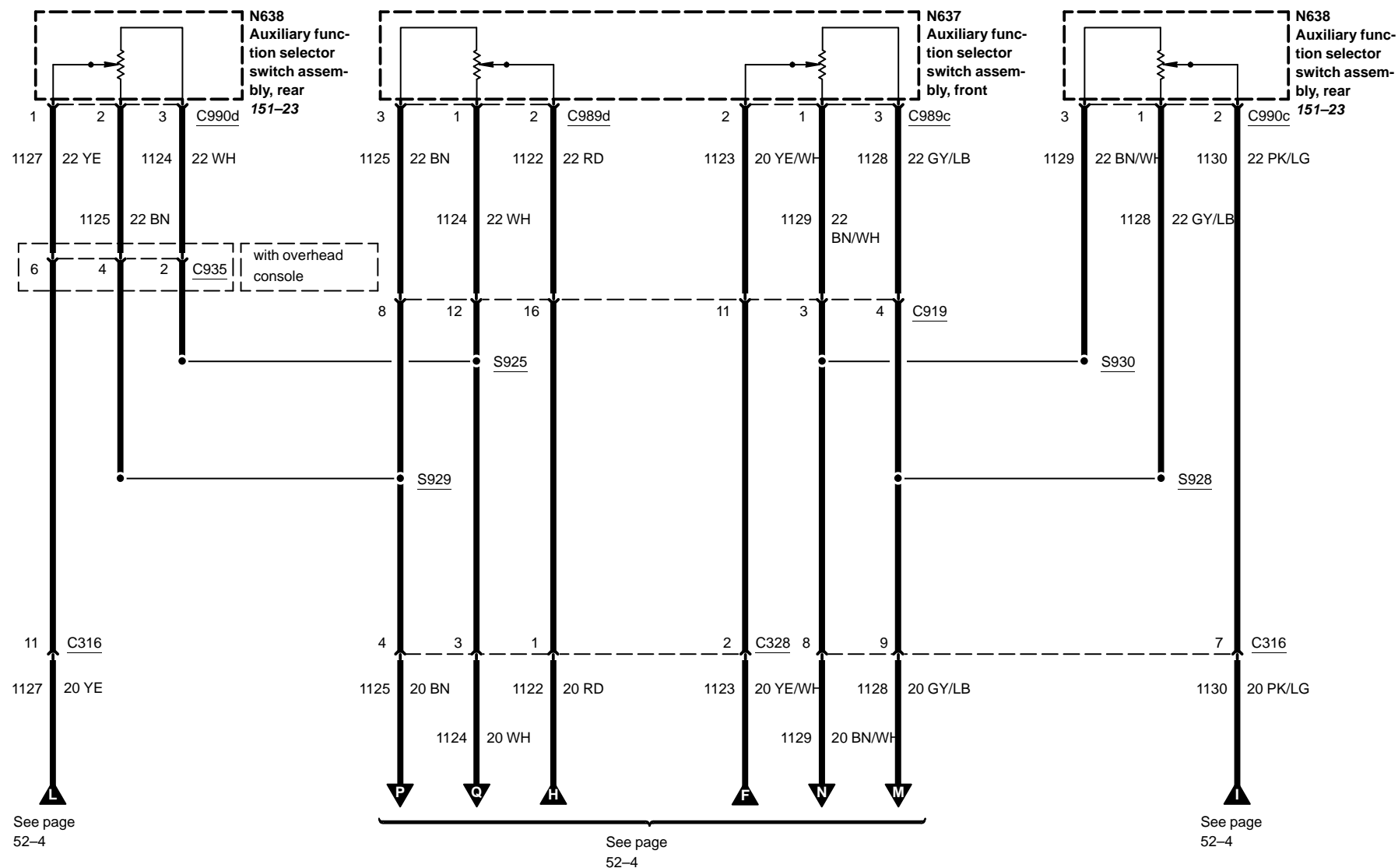
Excursion



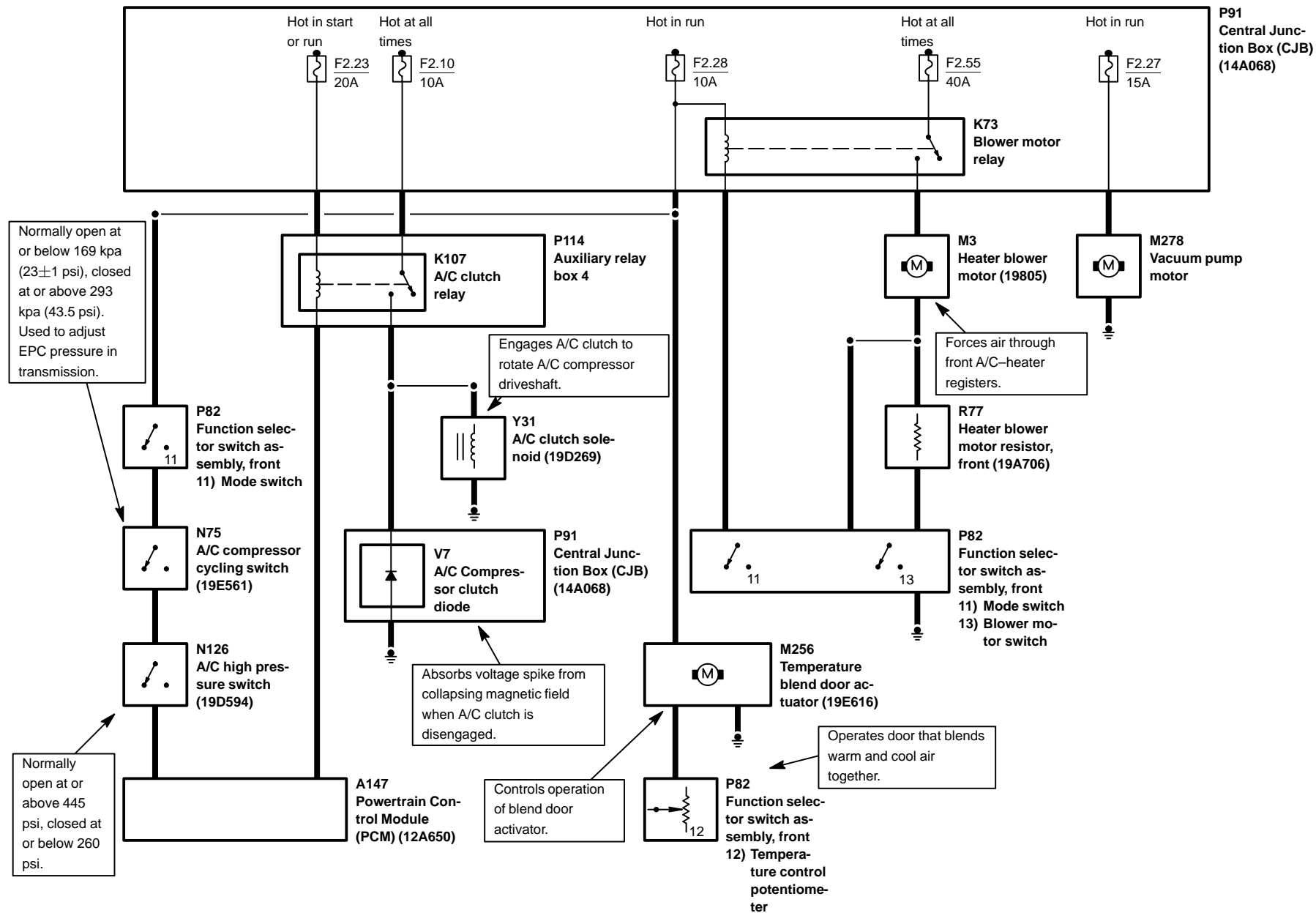
Excursion

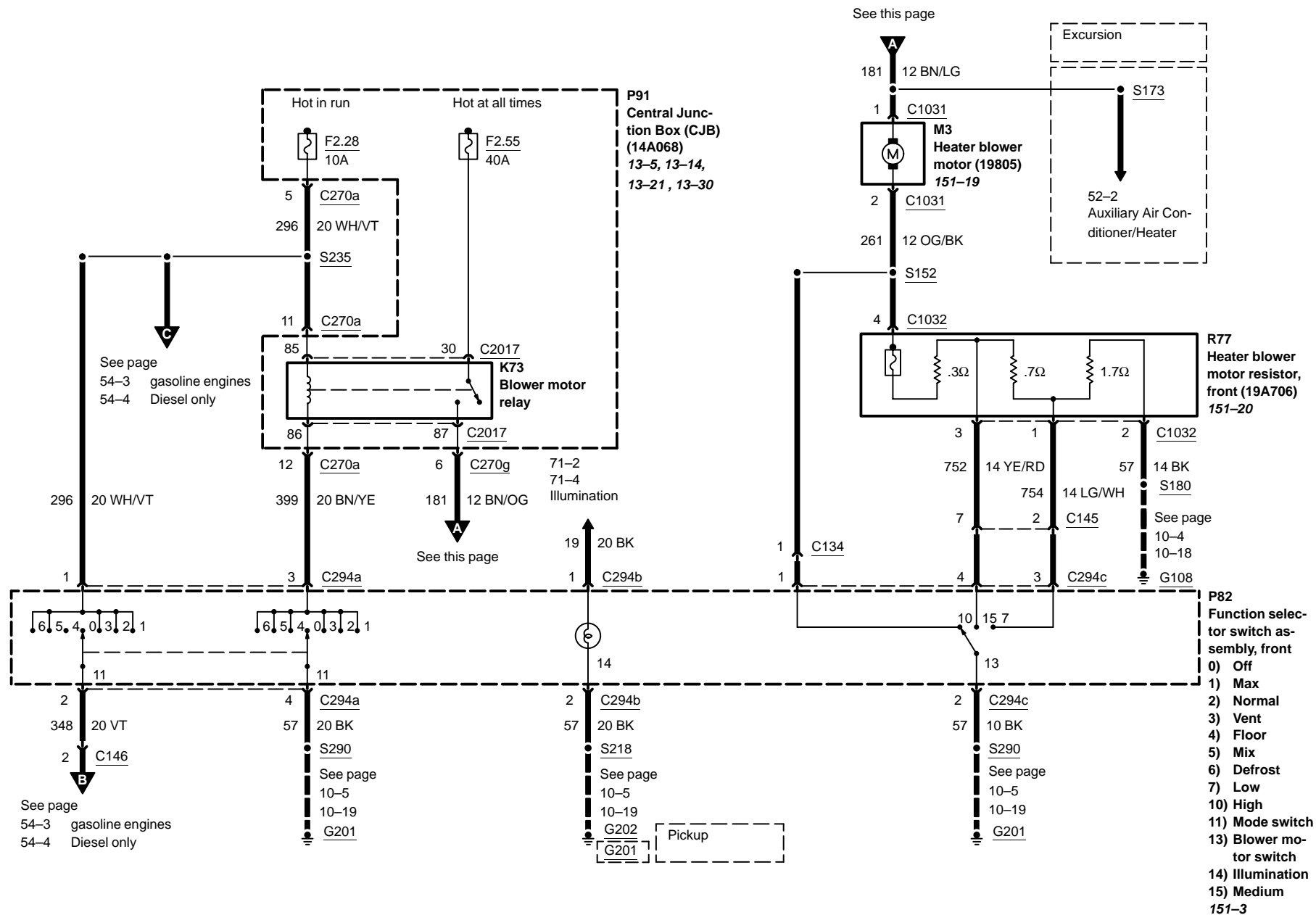


Excursion

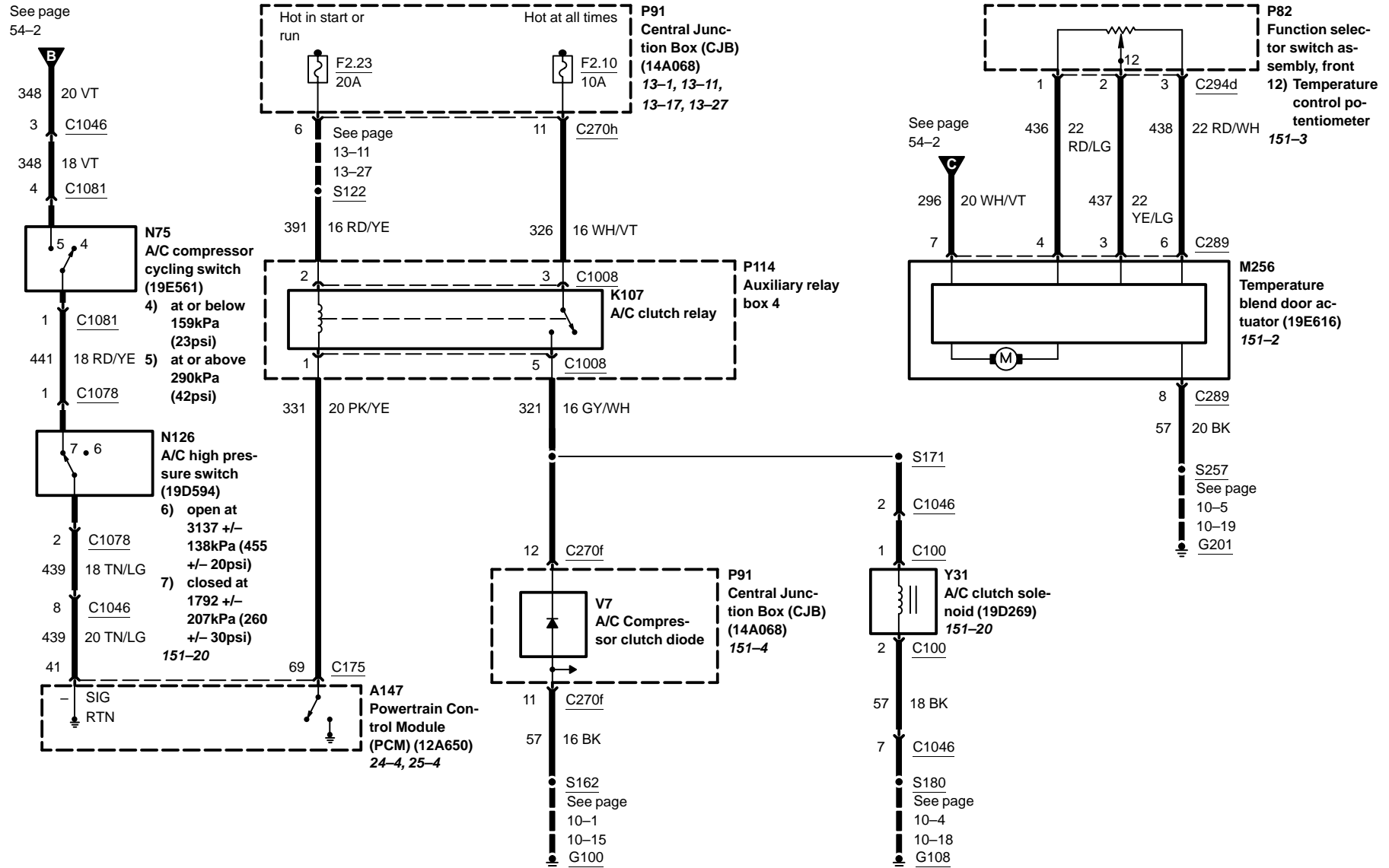


System overview

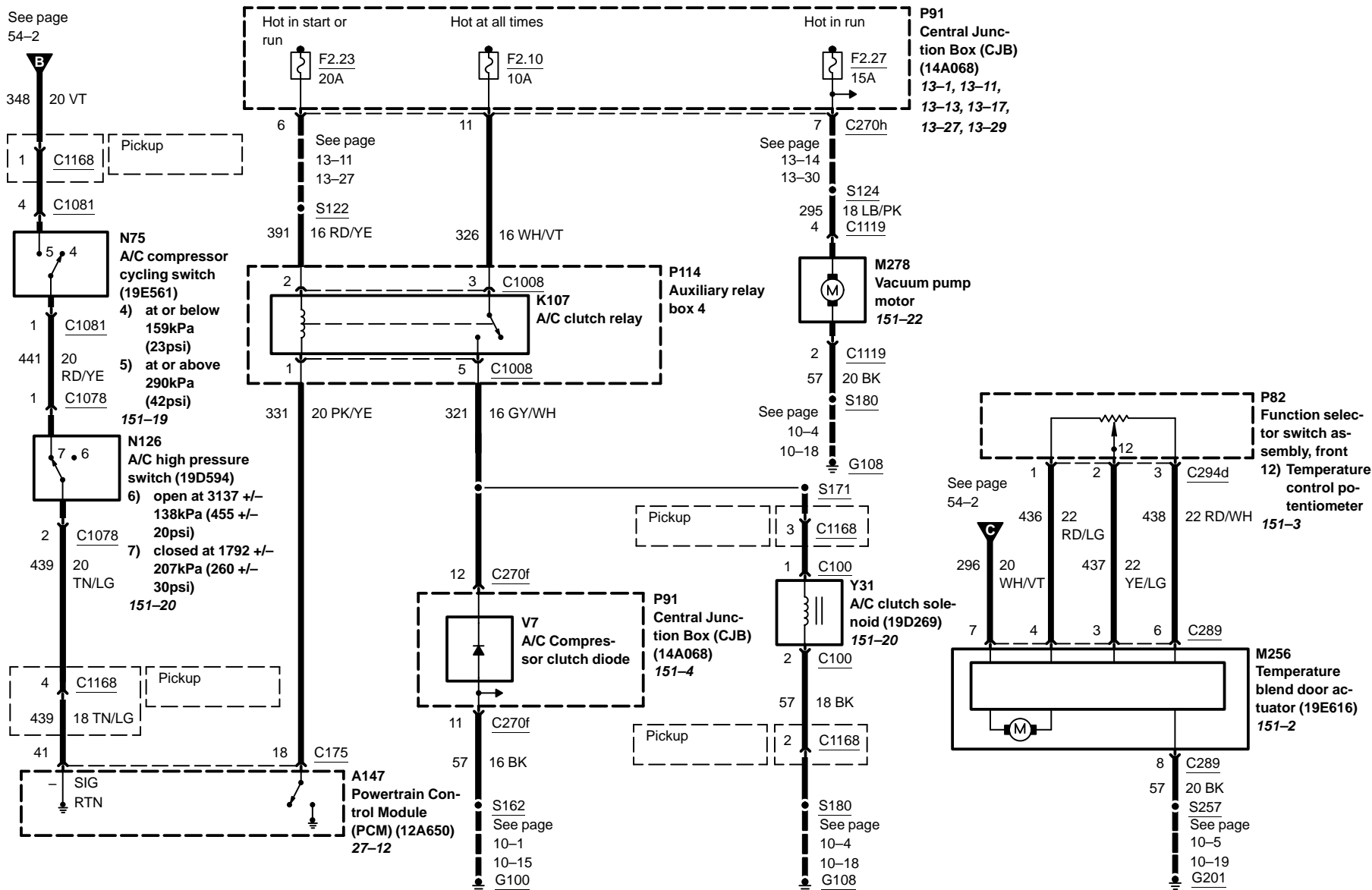




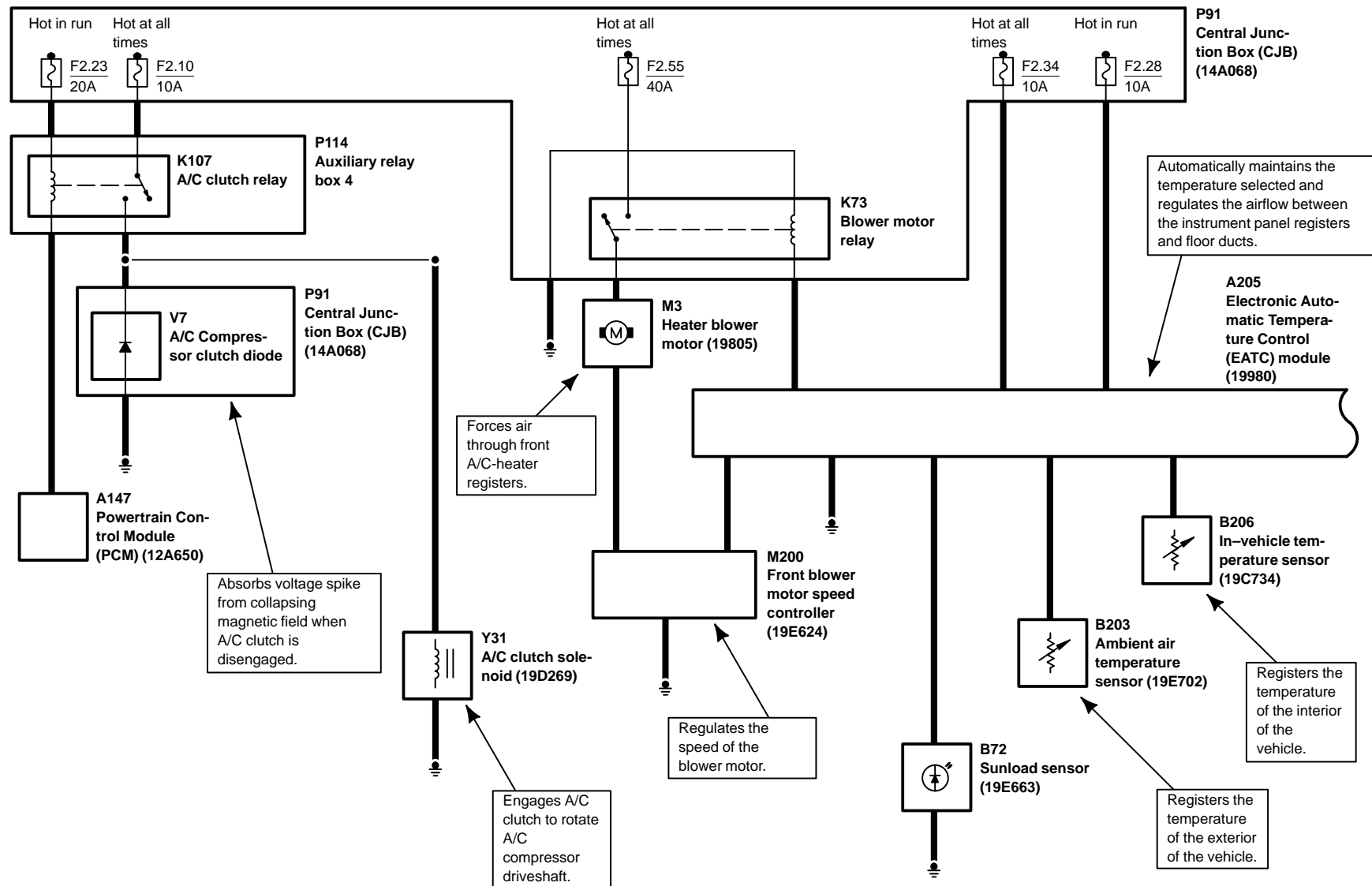
gasoline engines



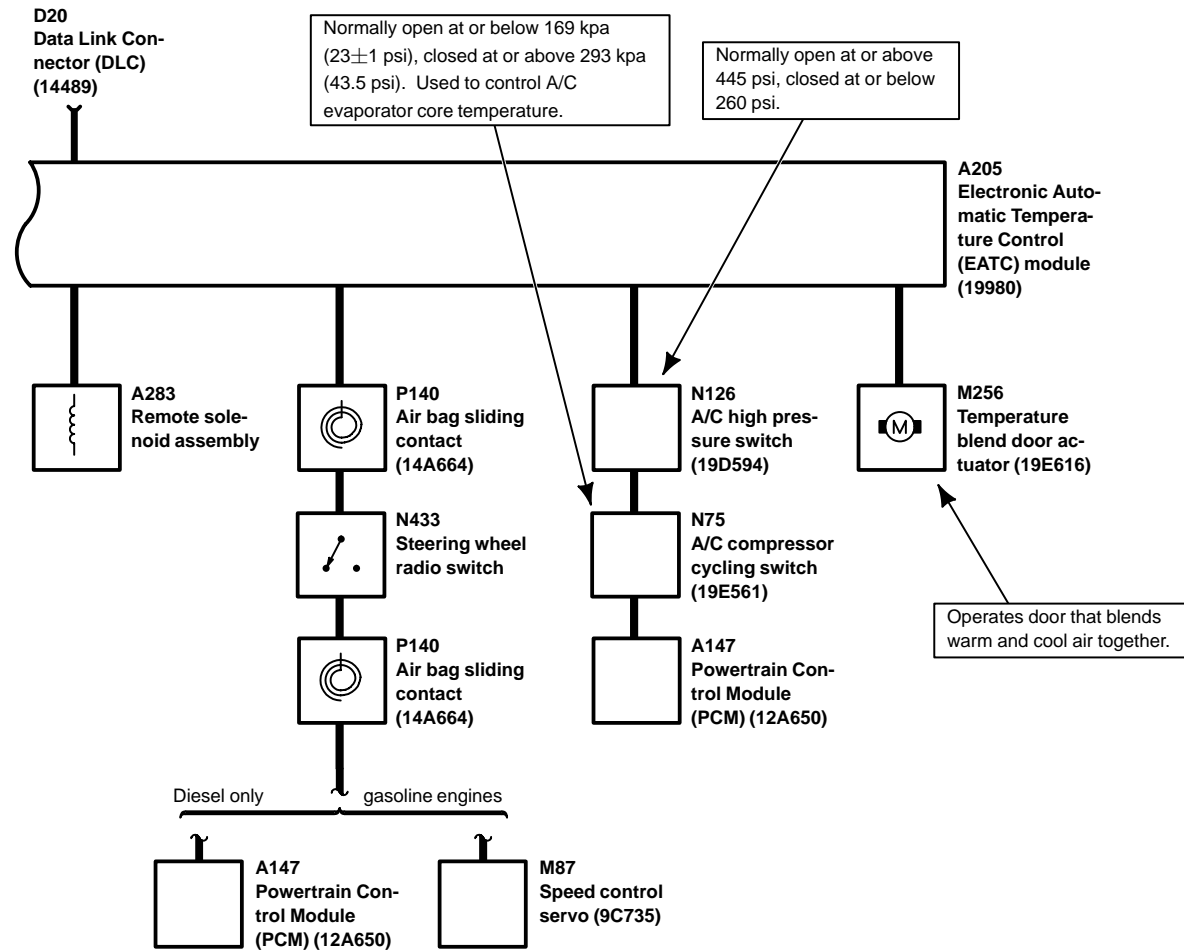
Diesel only

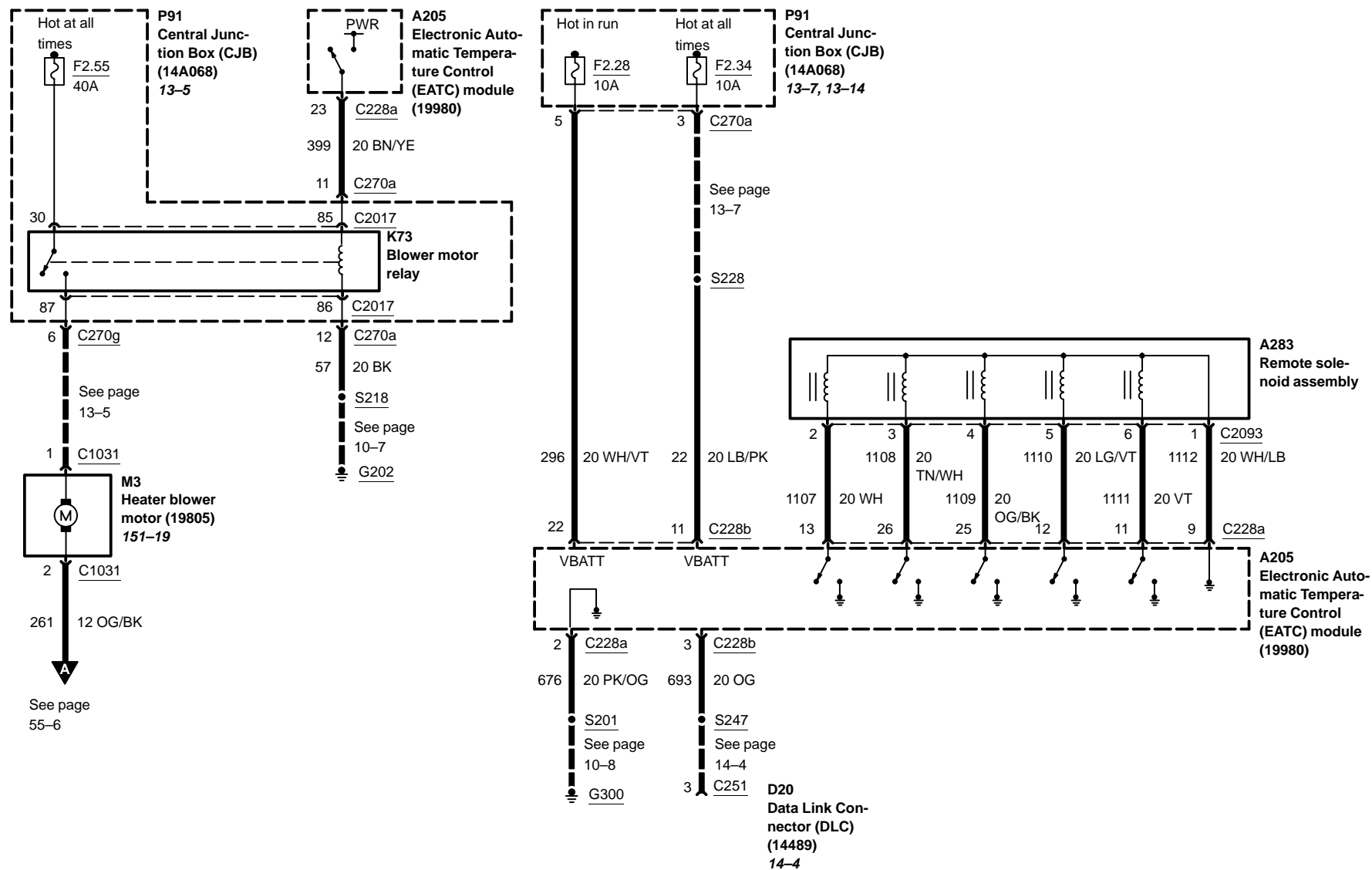


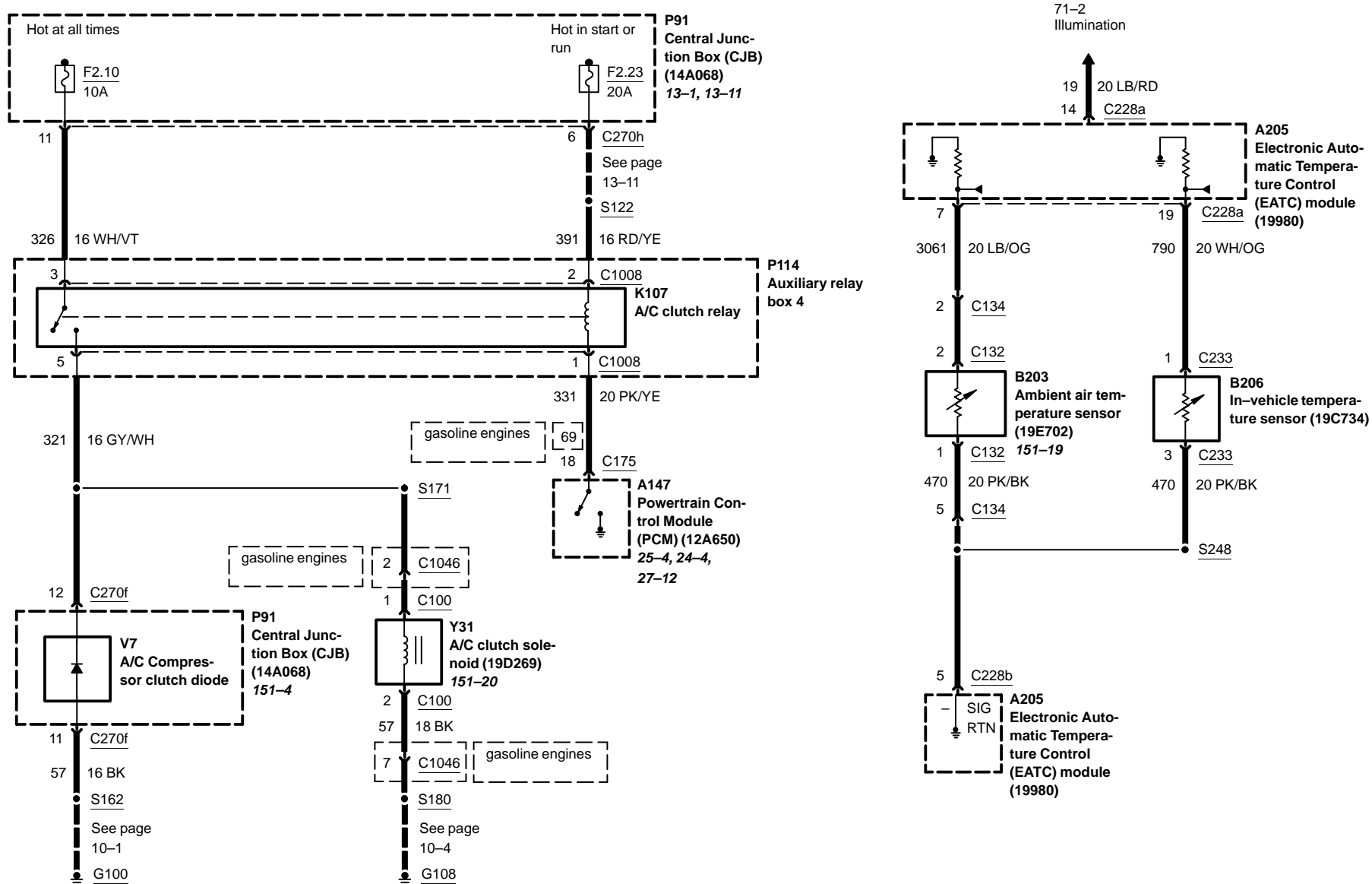
System overview

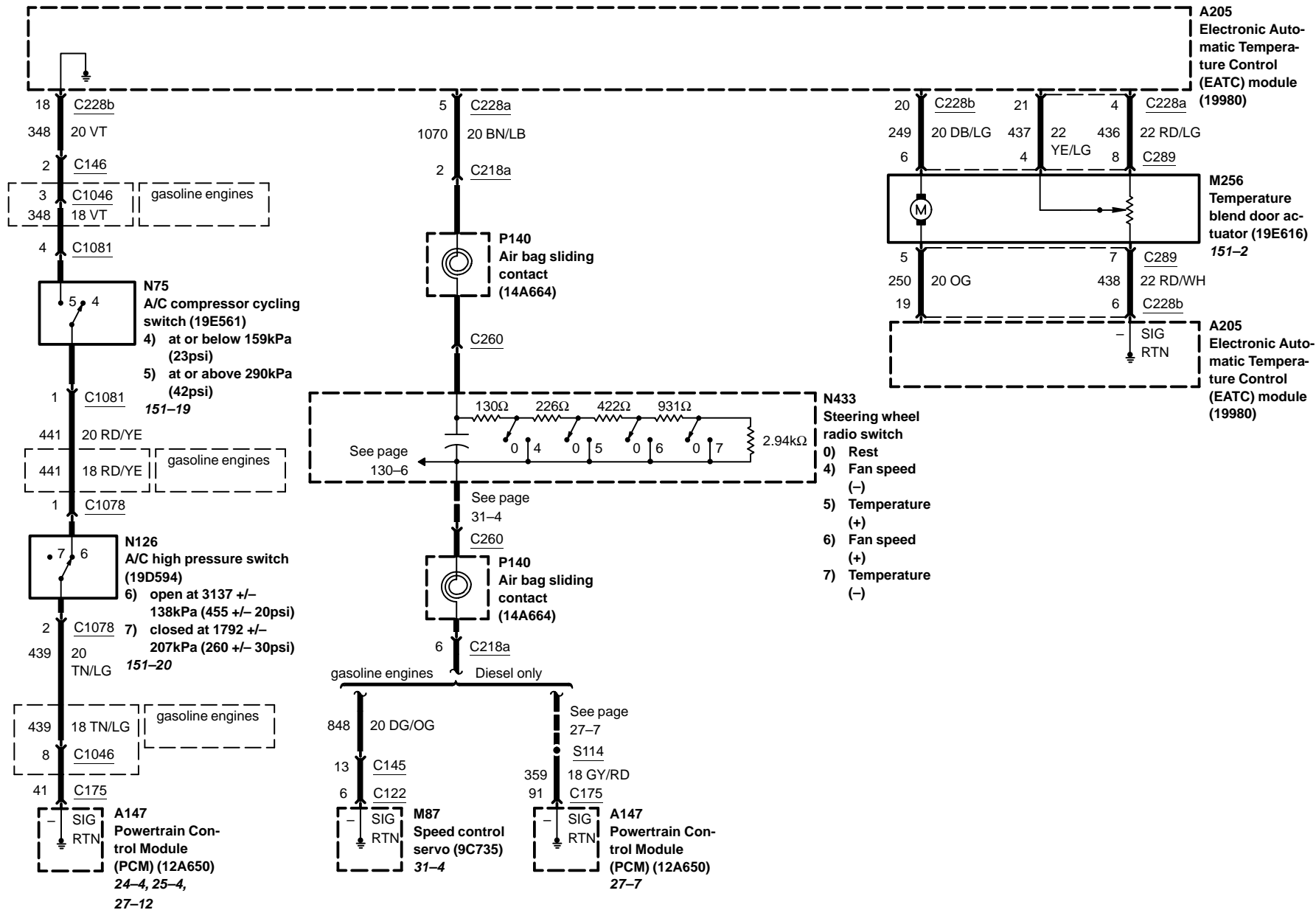


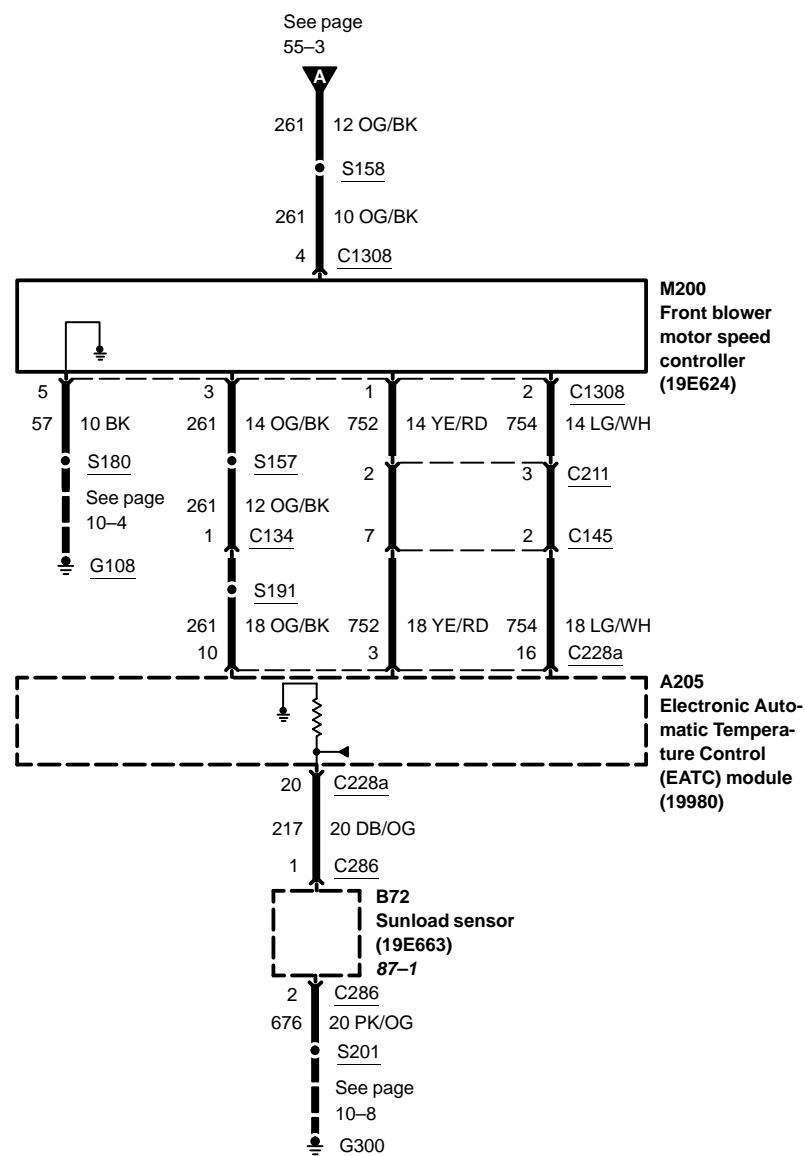
System overview



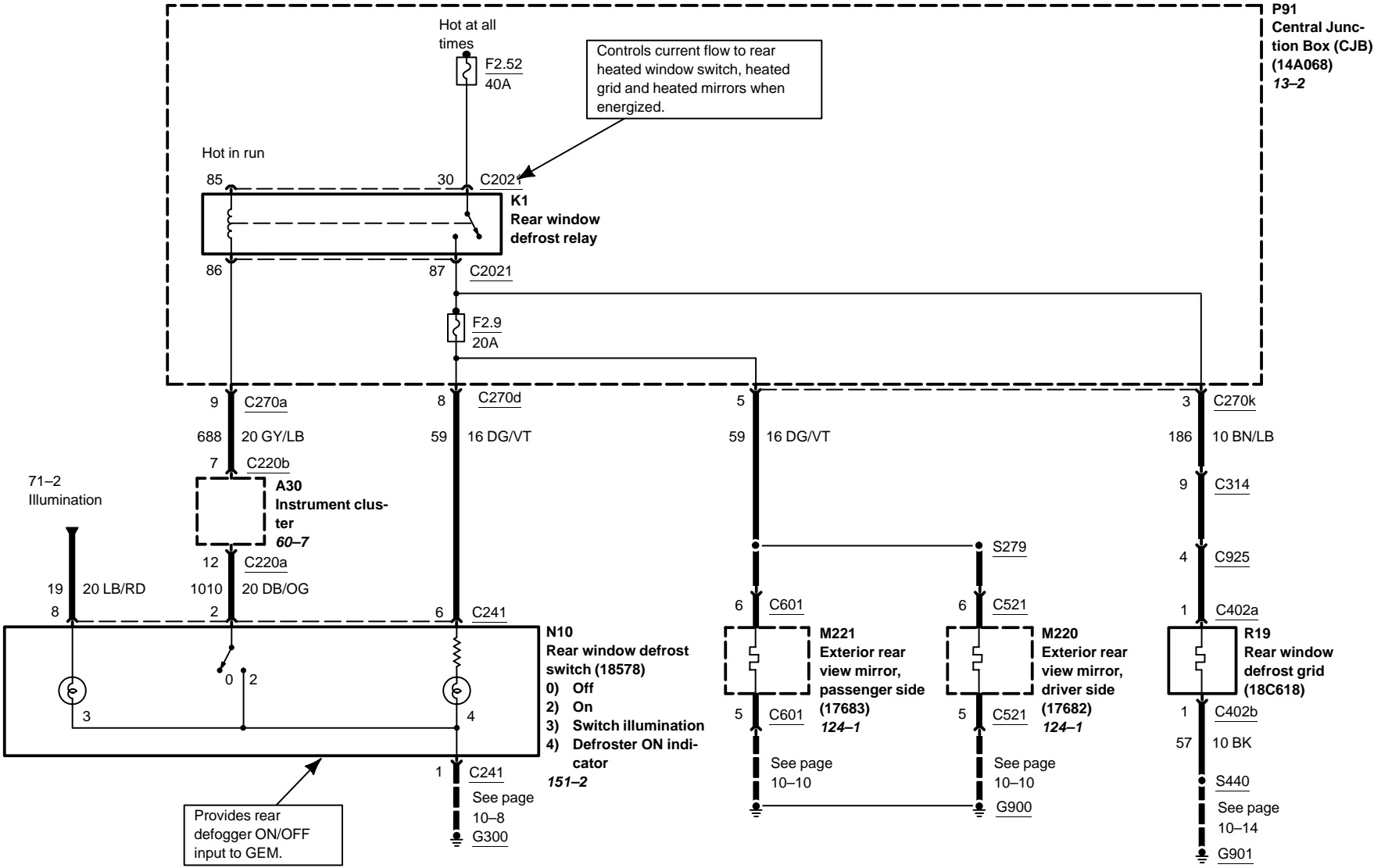


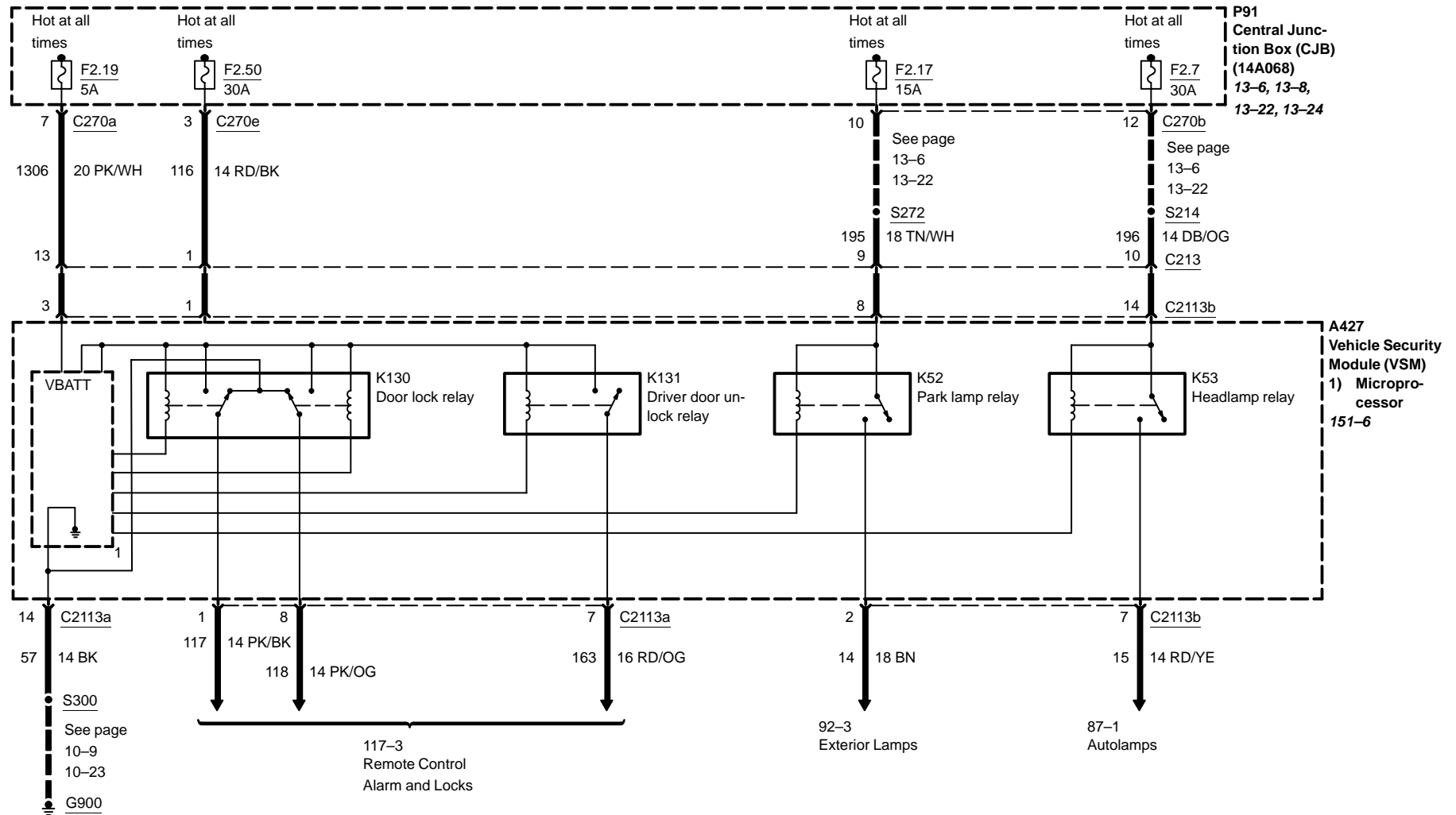


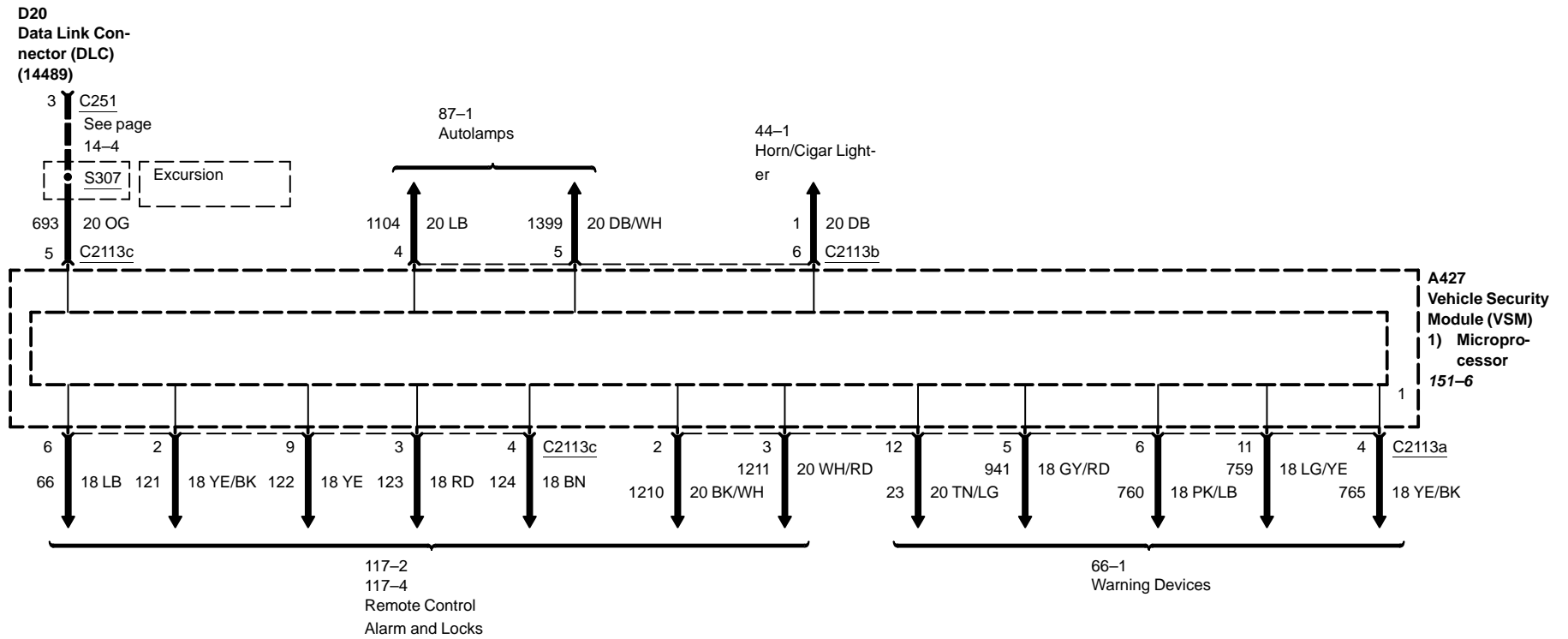




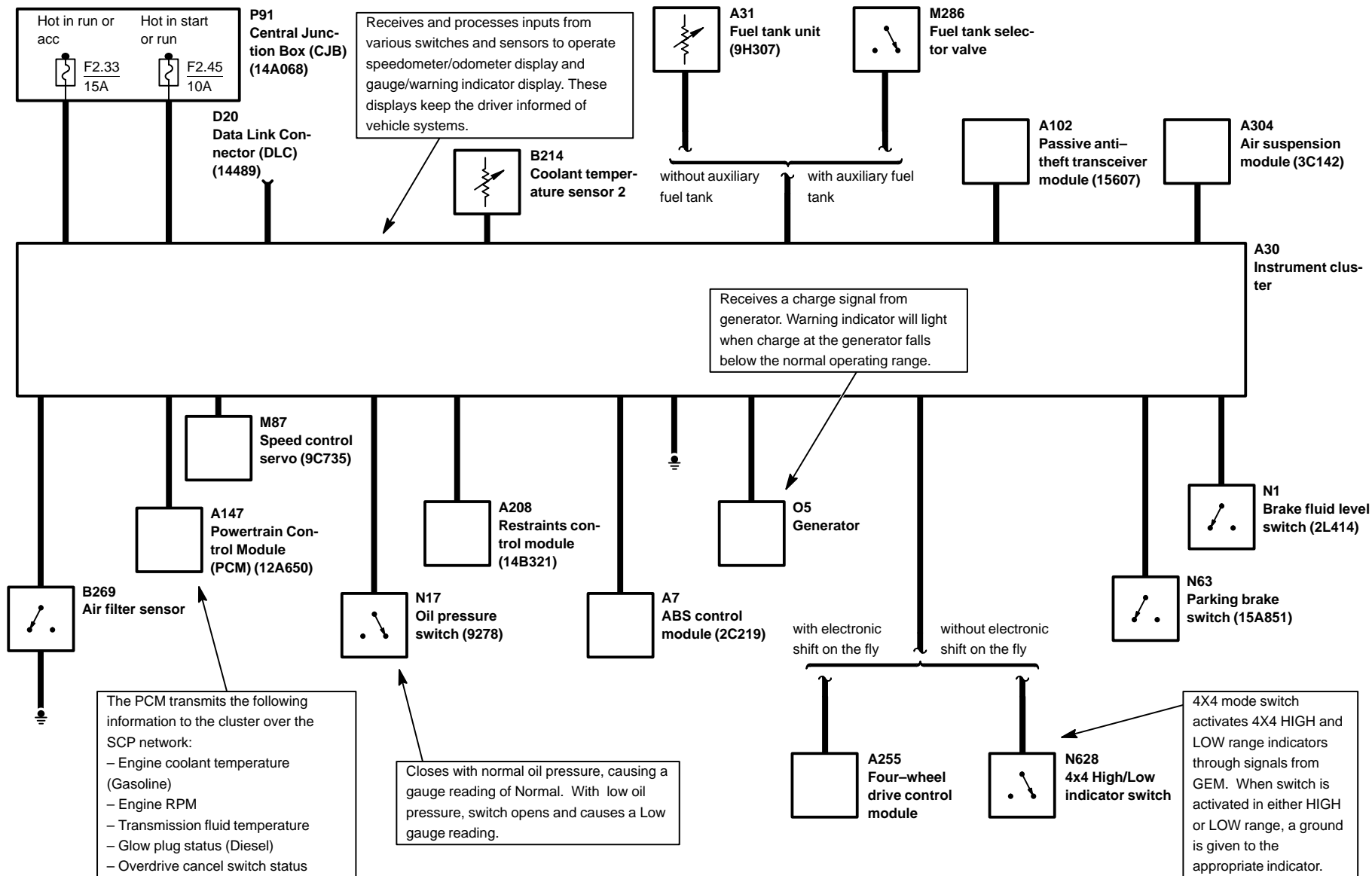
Excursion

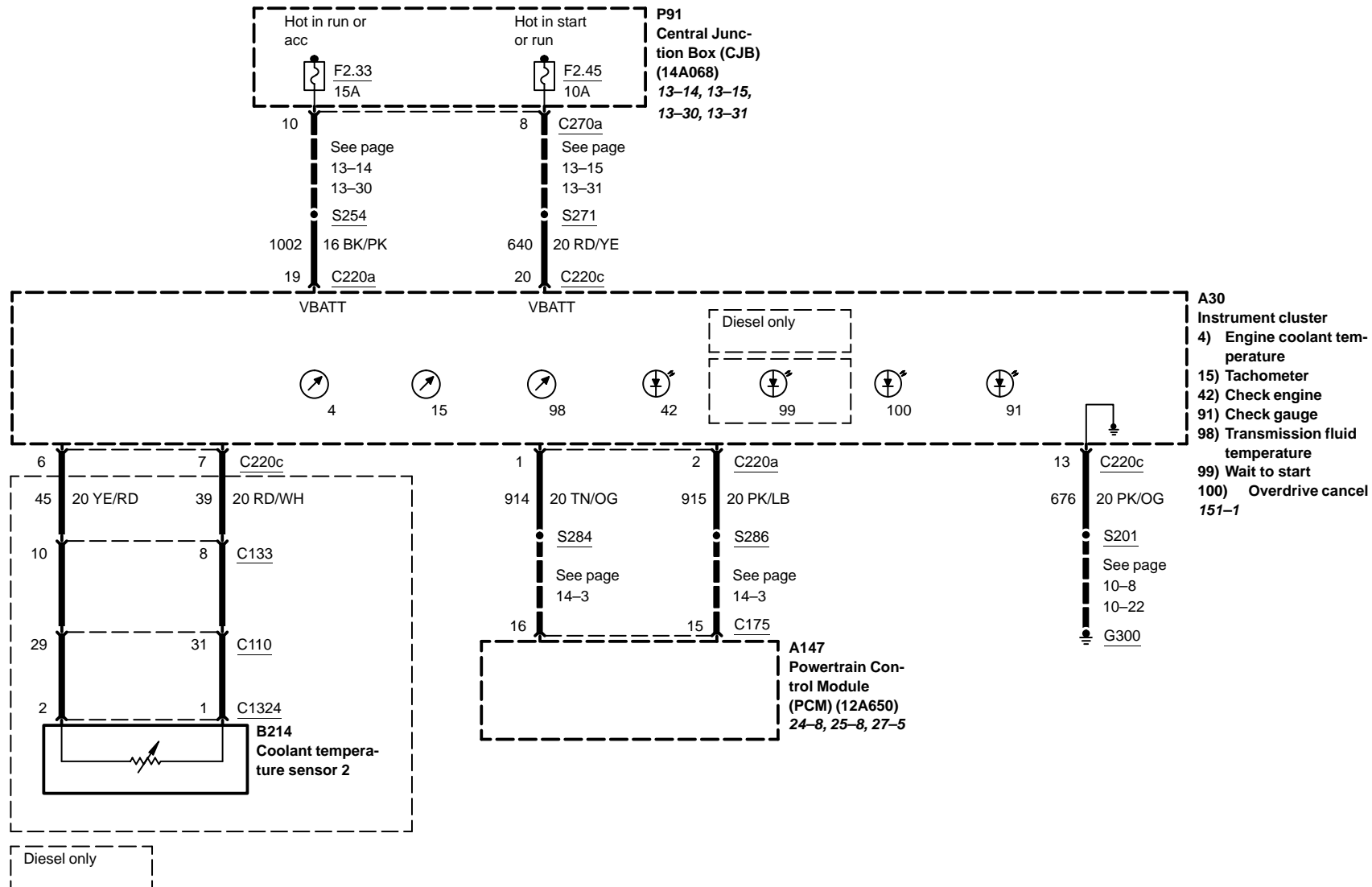


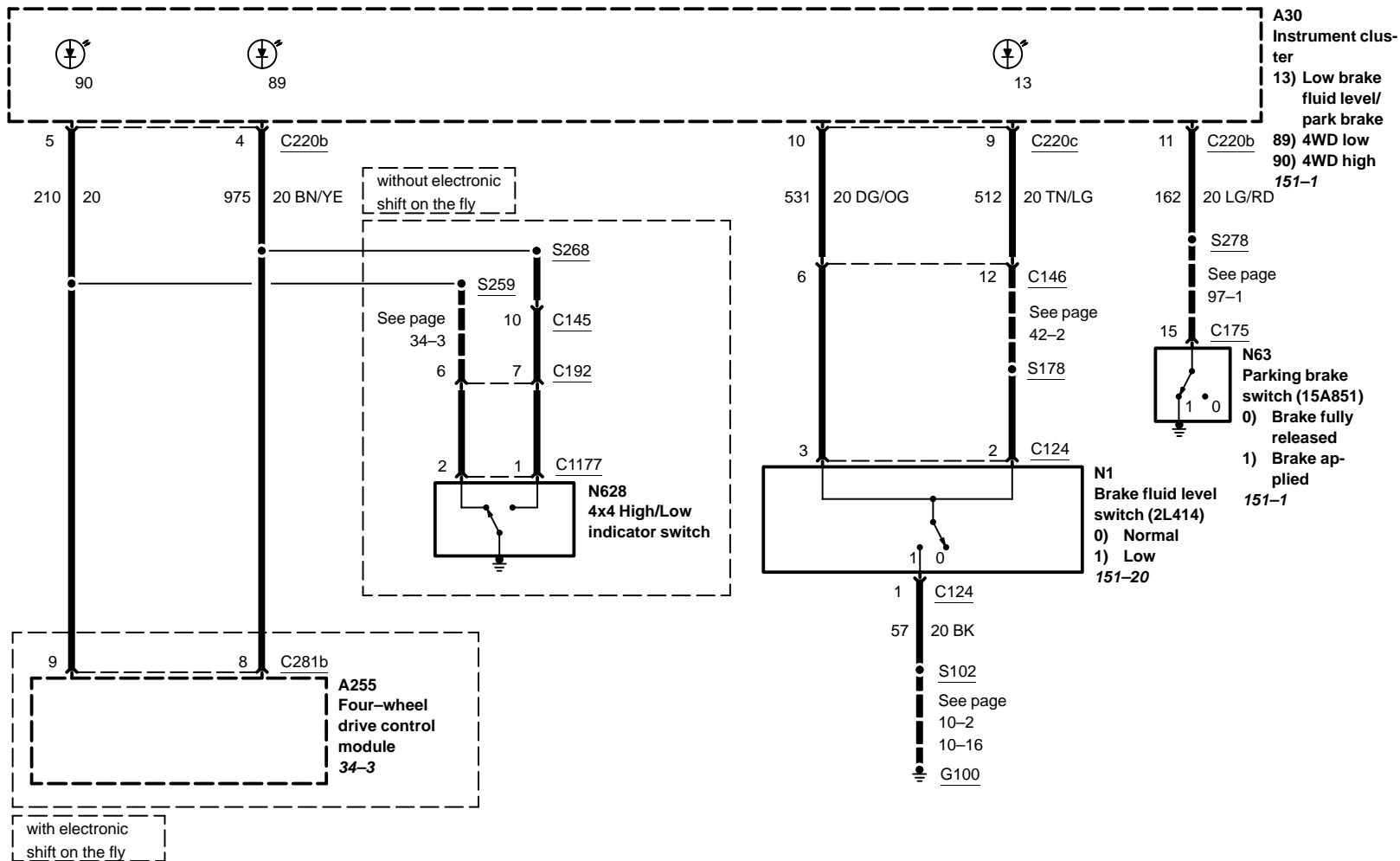


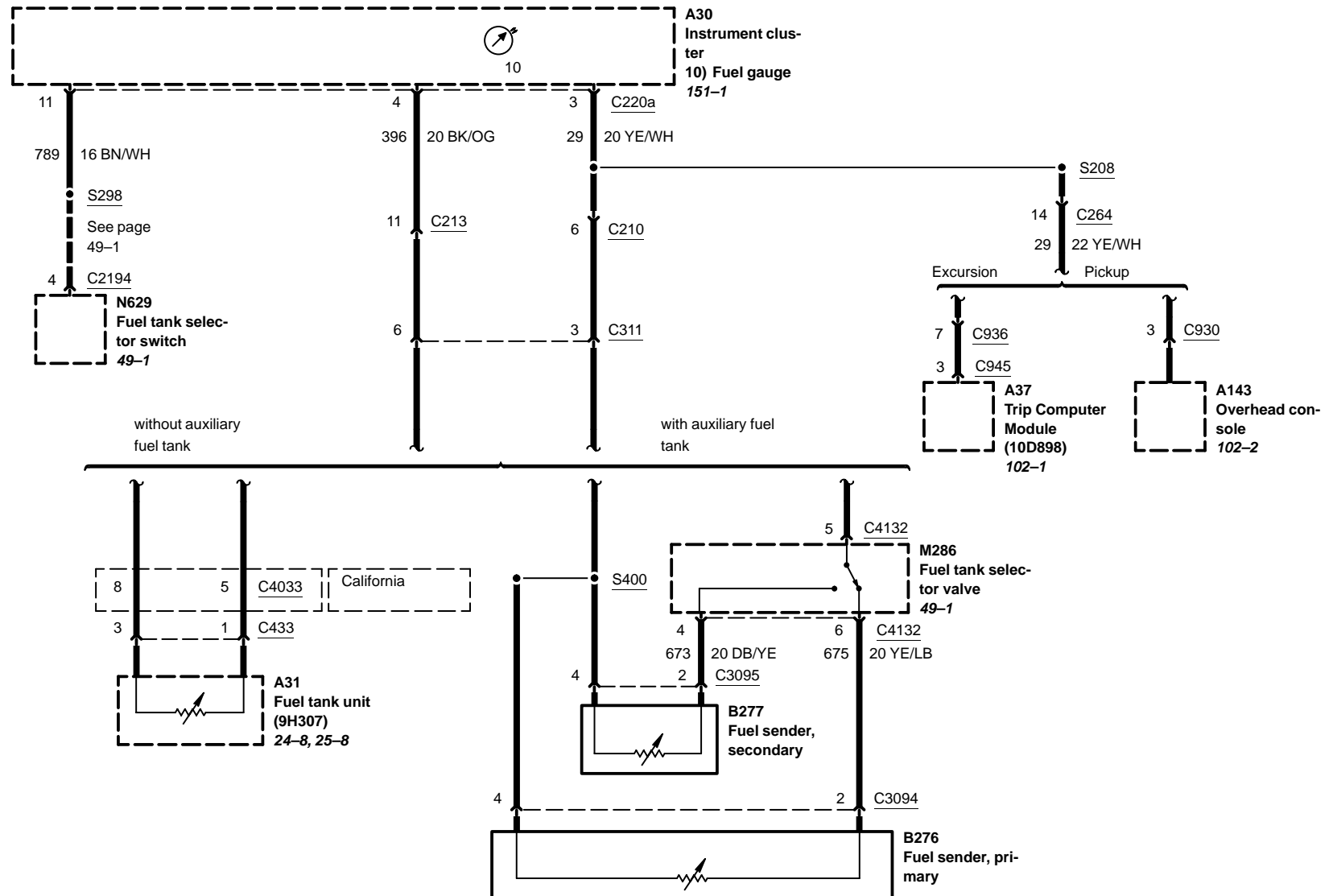


System overview

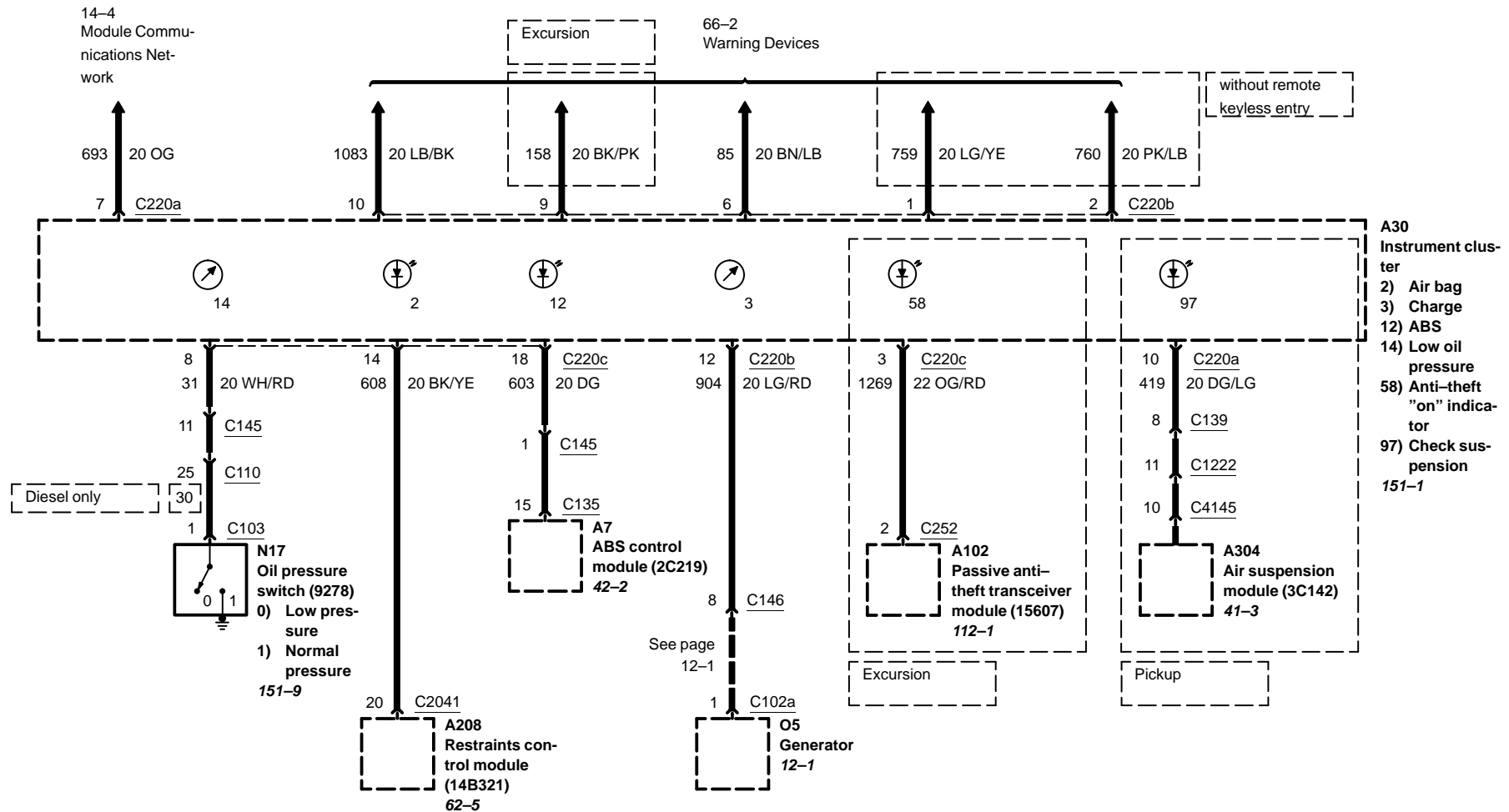


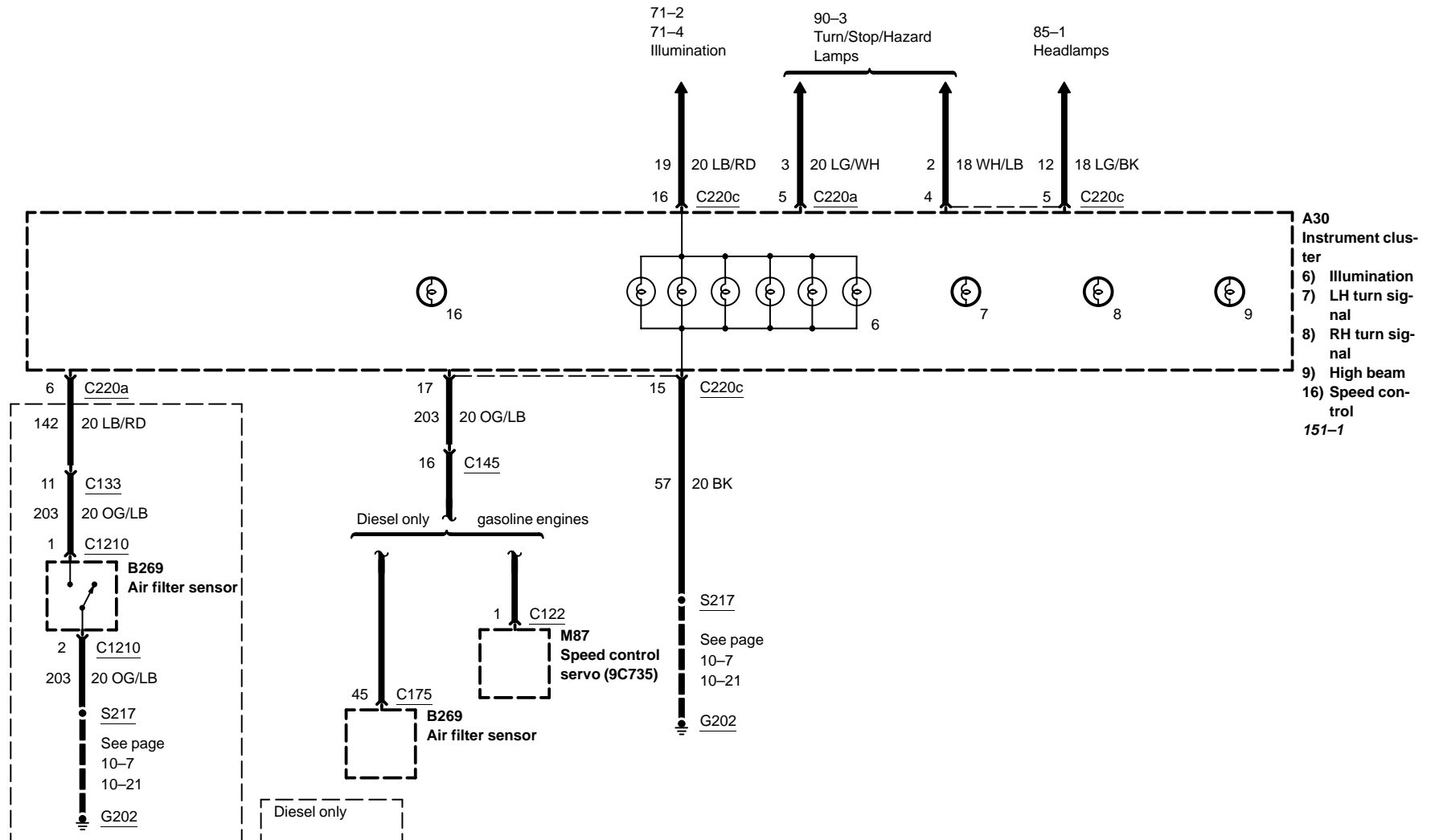


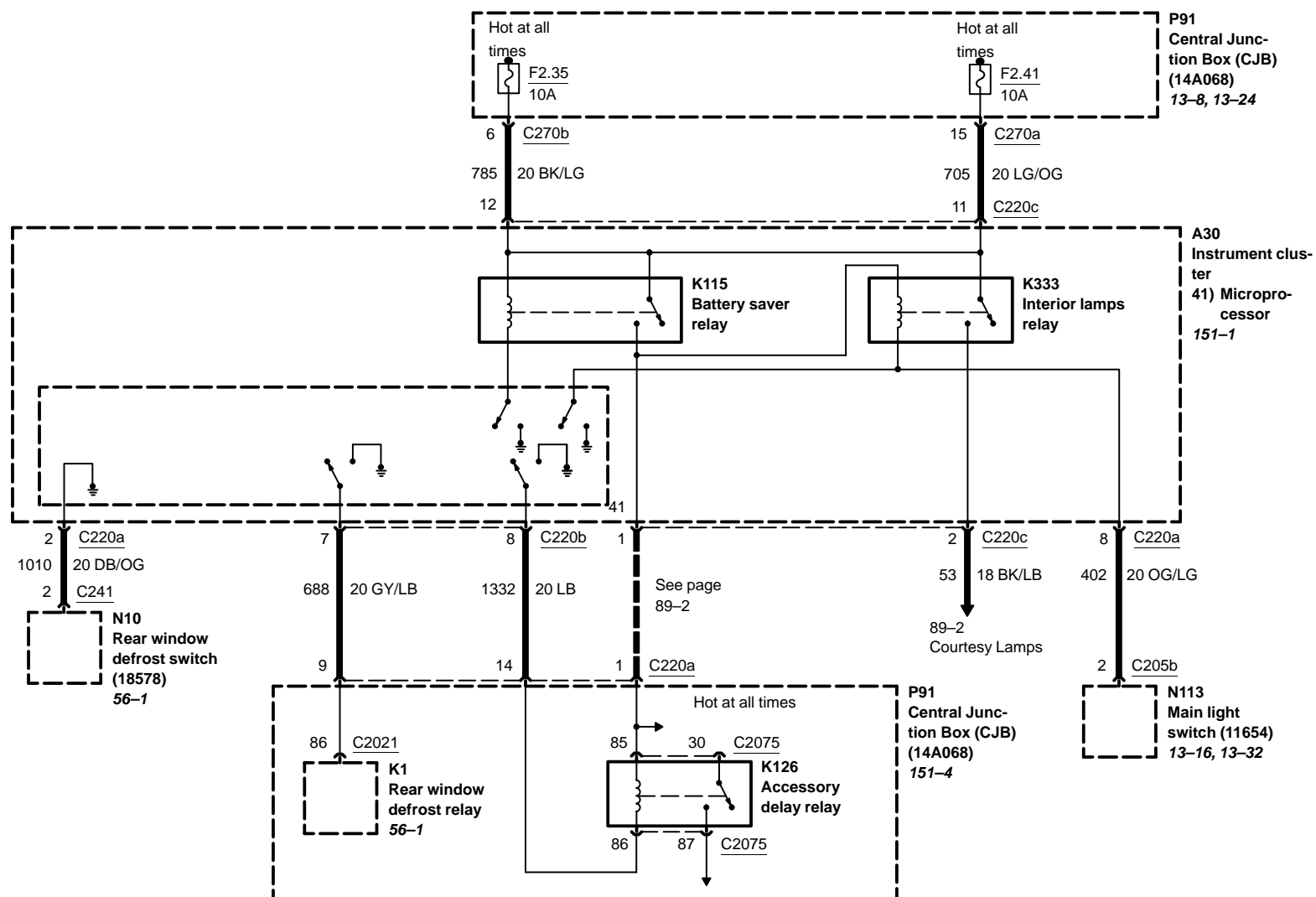


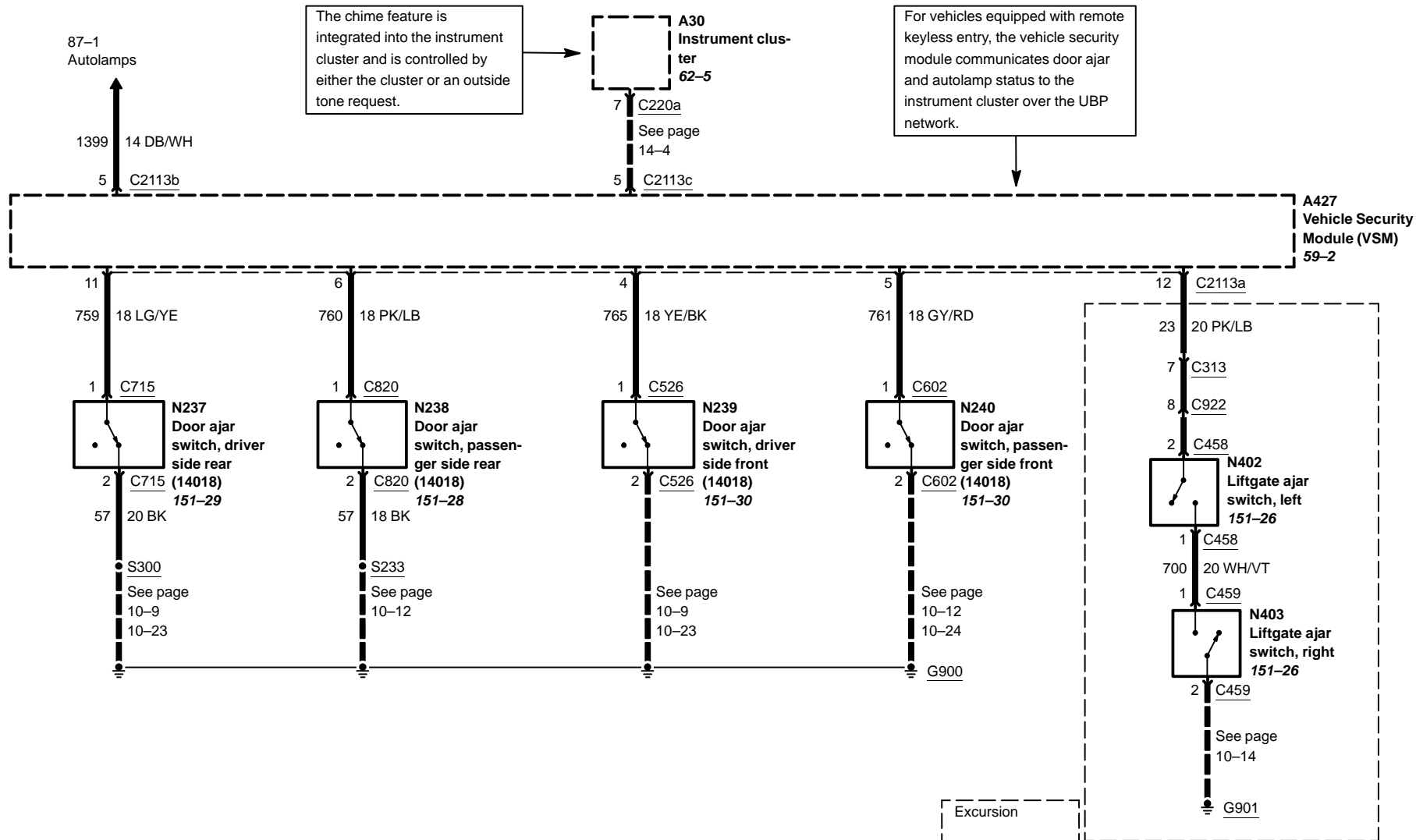


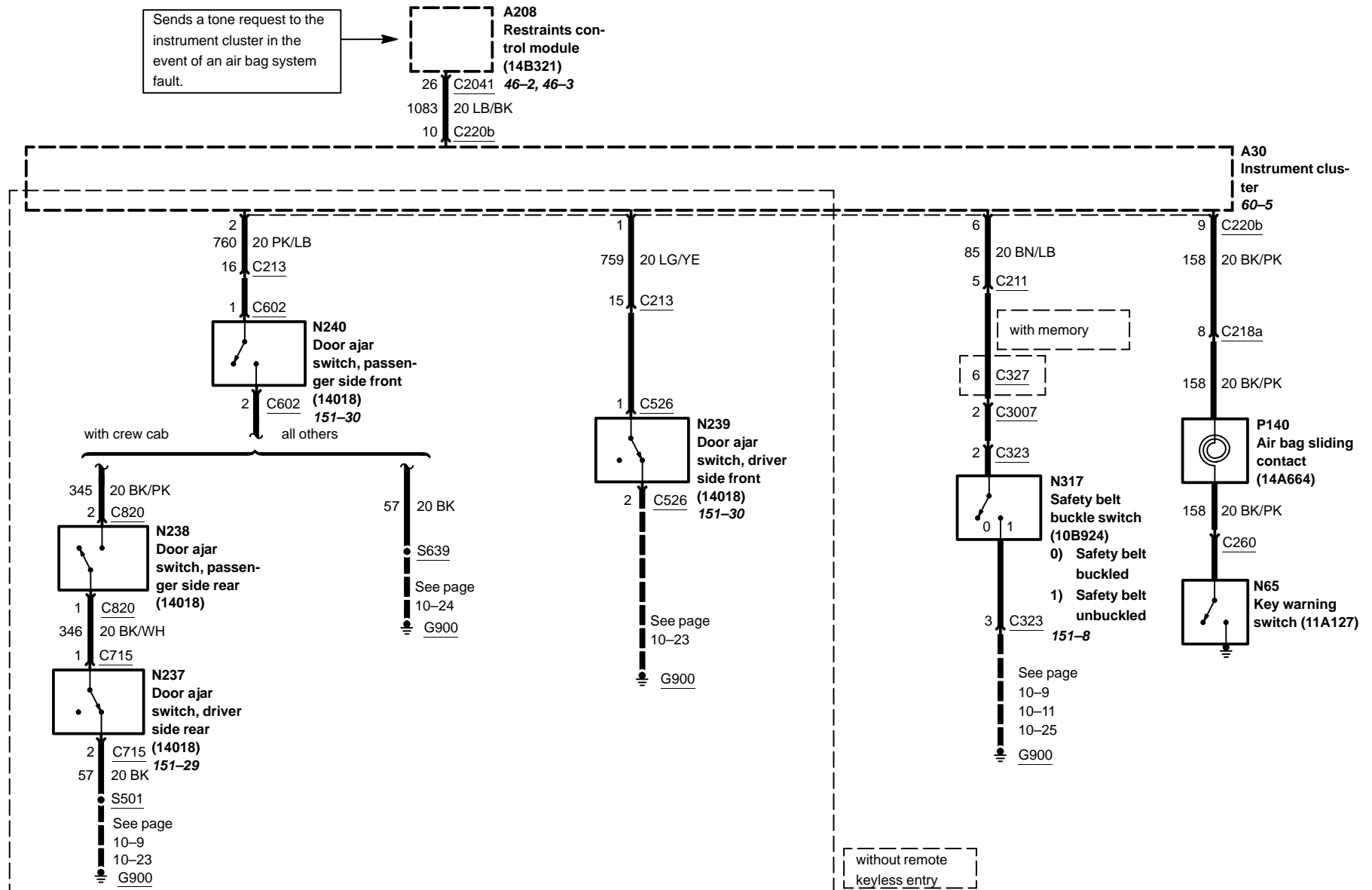
60-5 Instrument Cluster

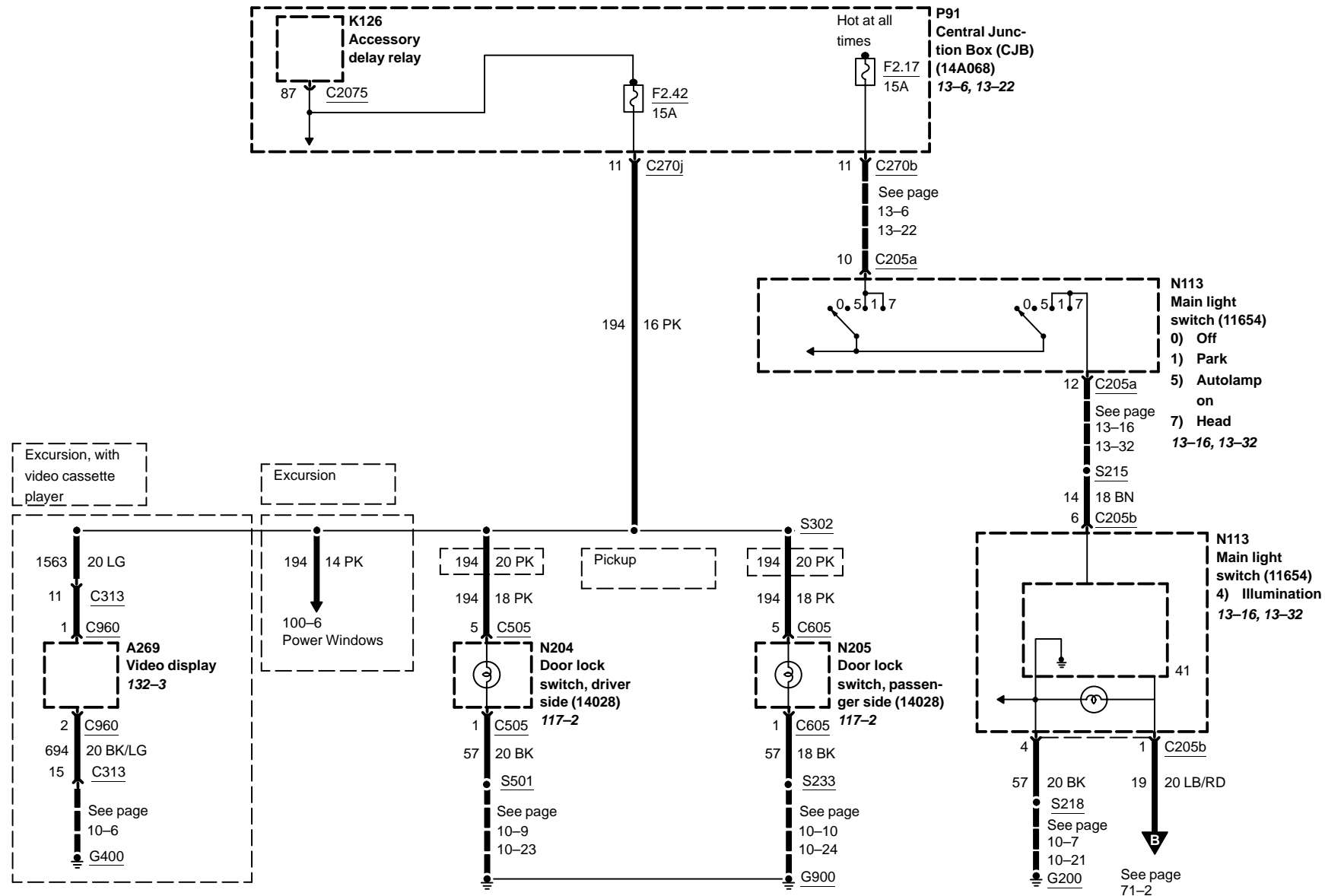




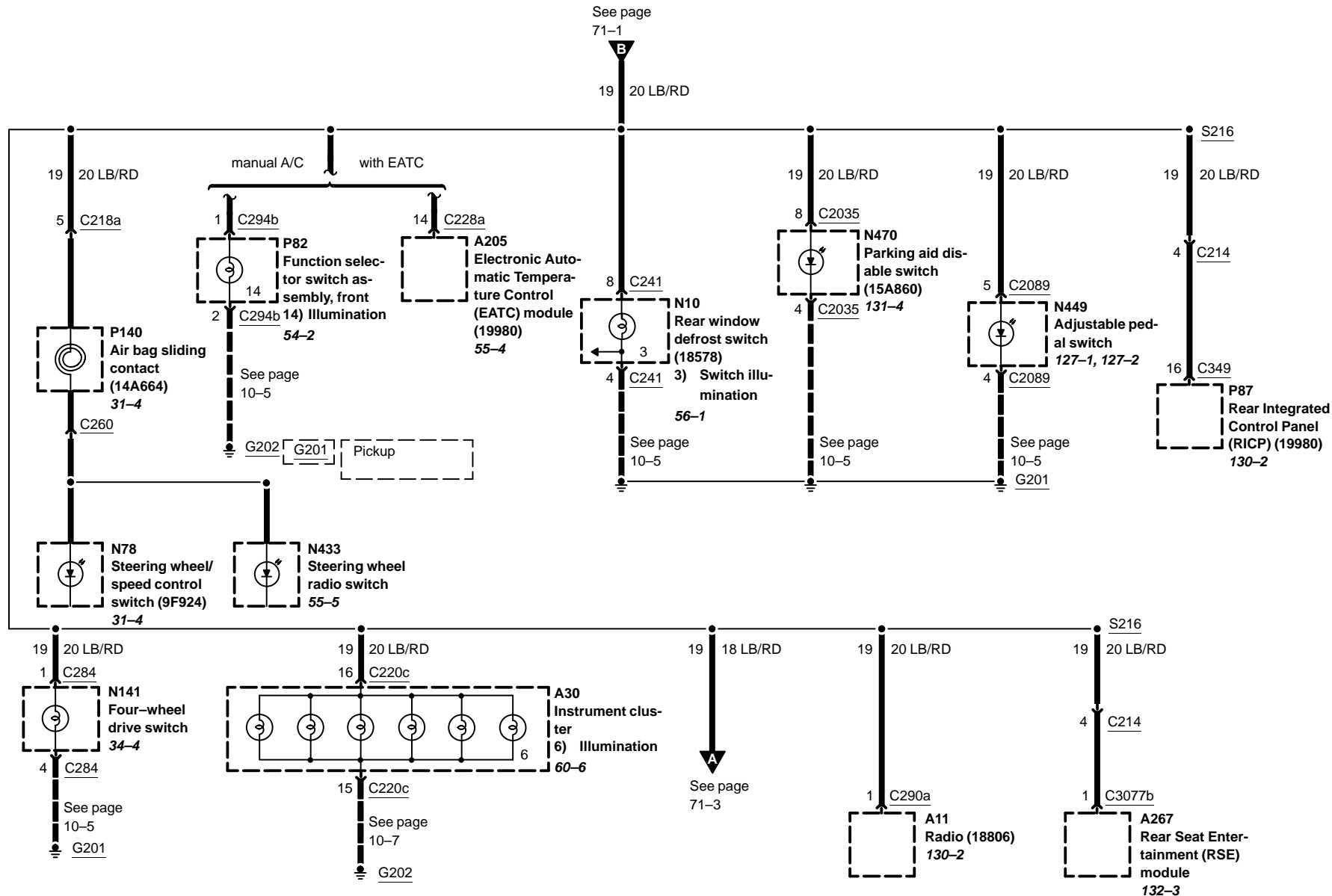




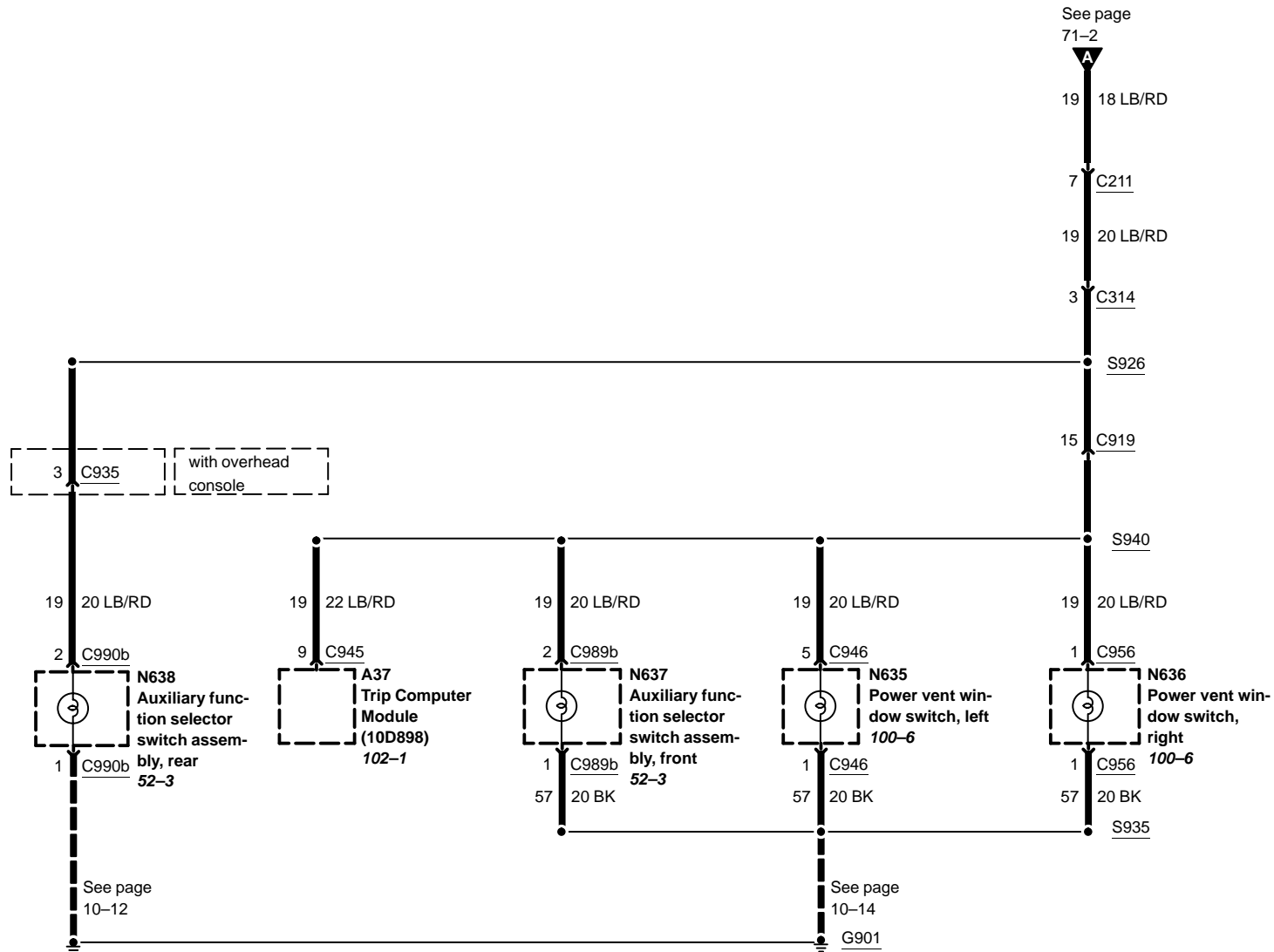




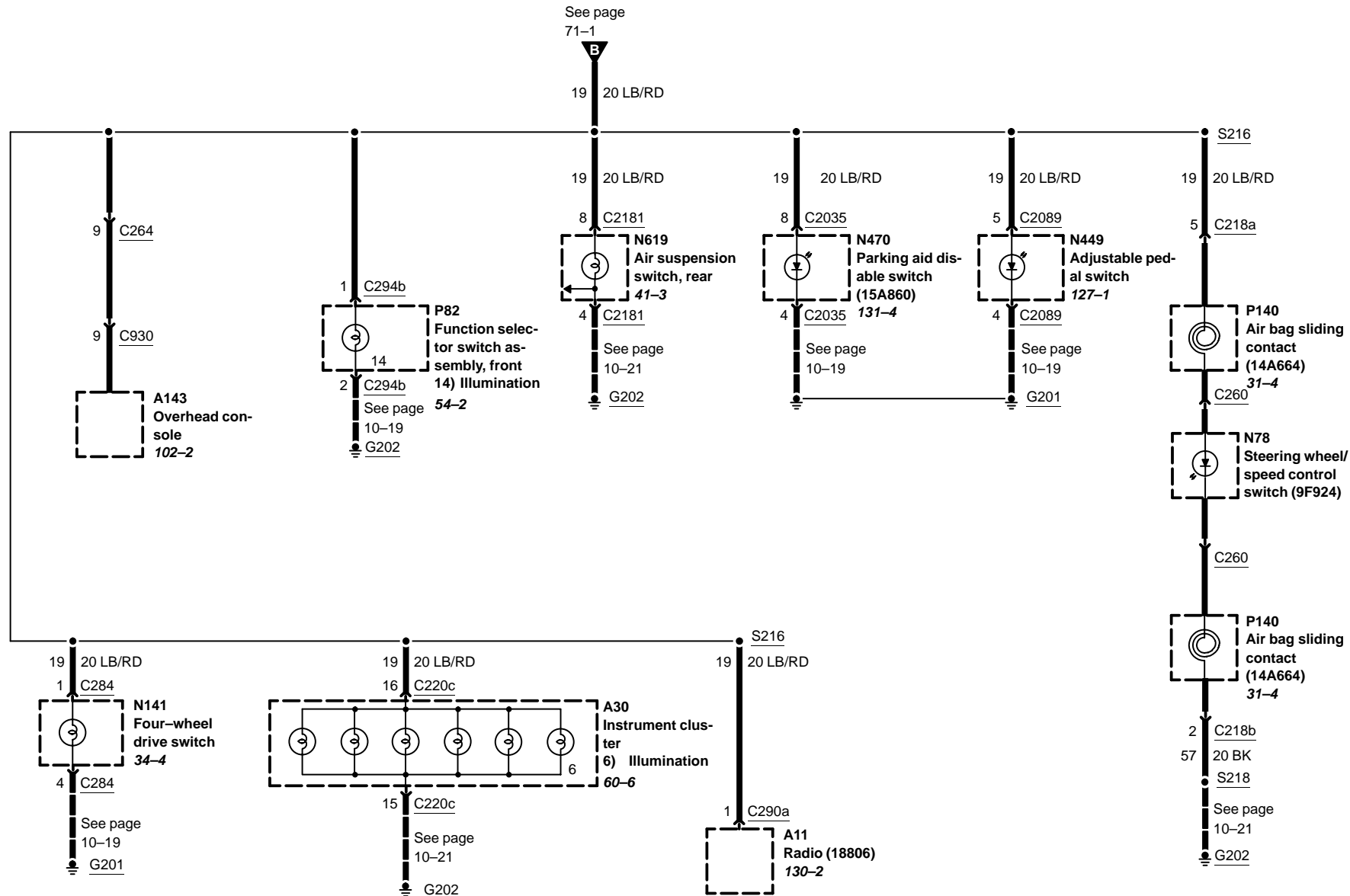
Excursion



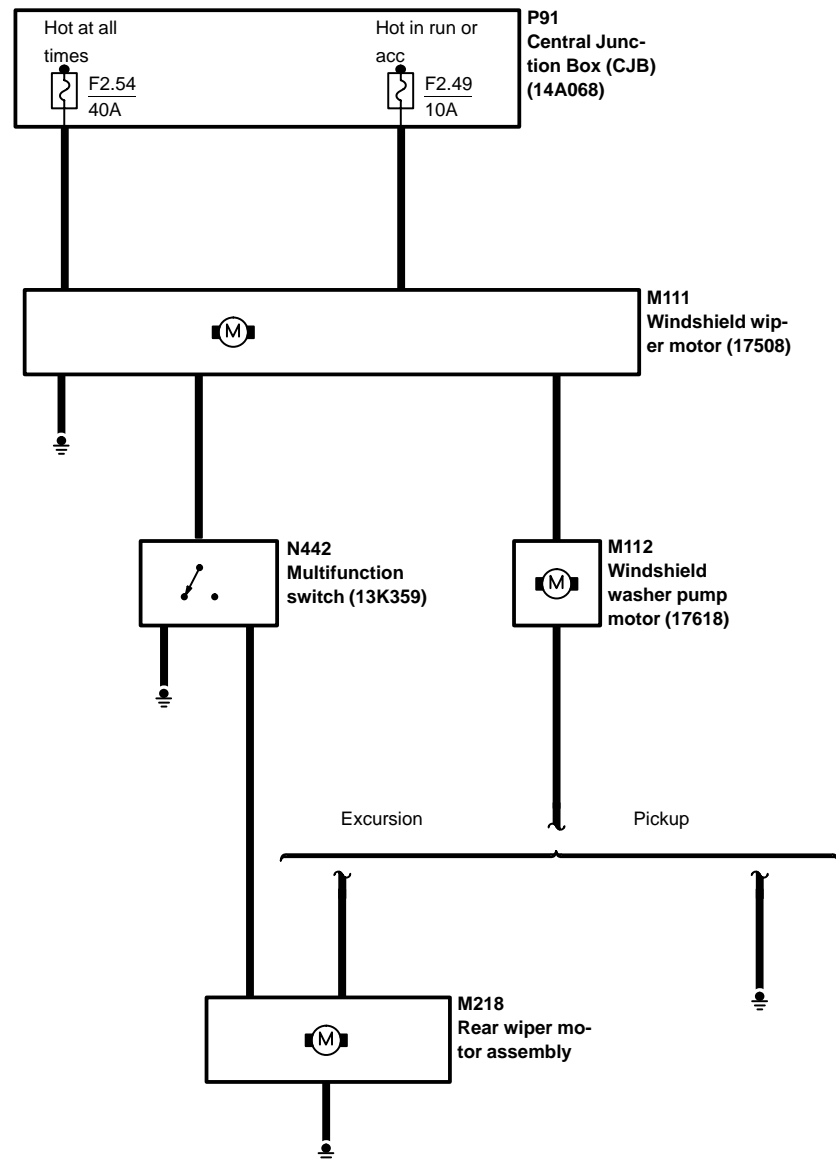
Excursion

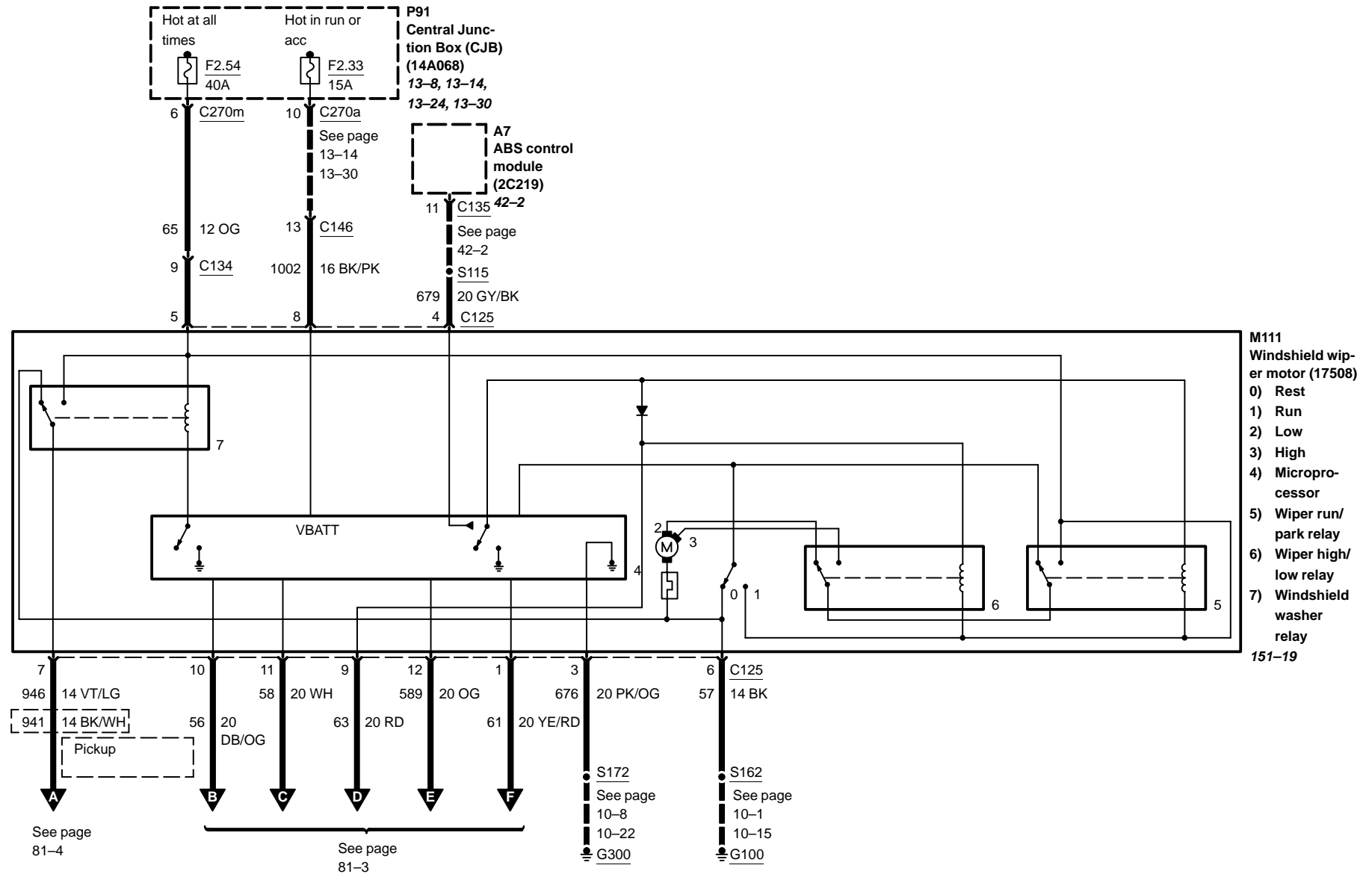


Pickup

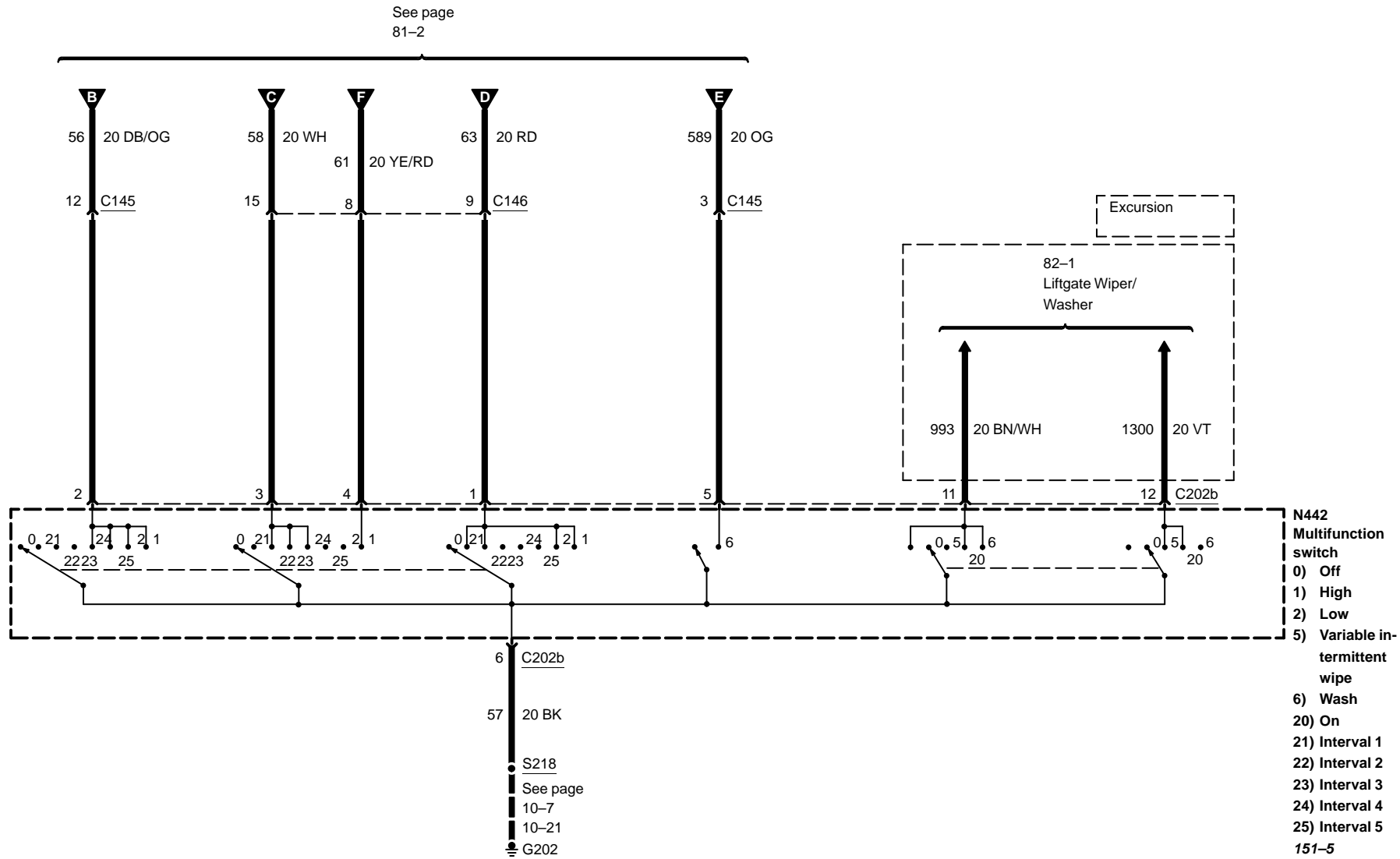


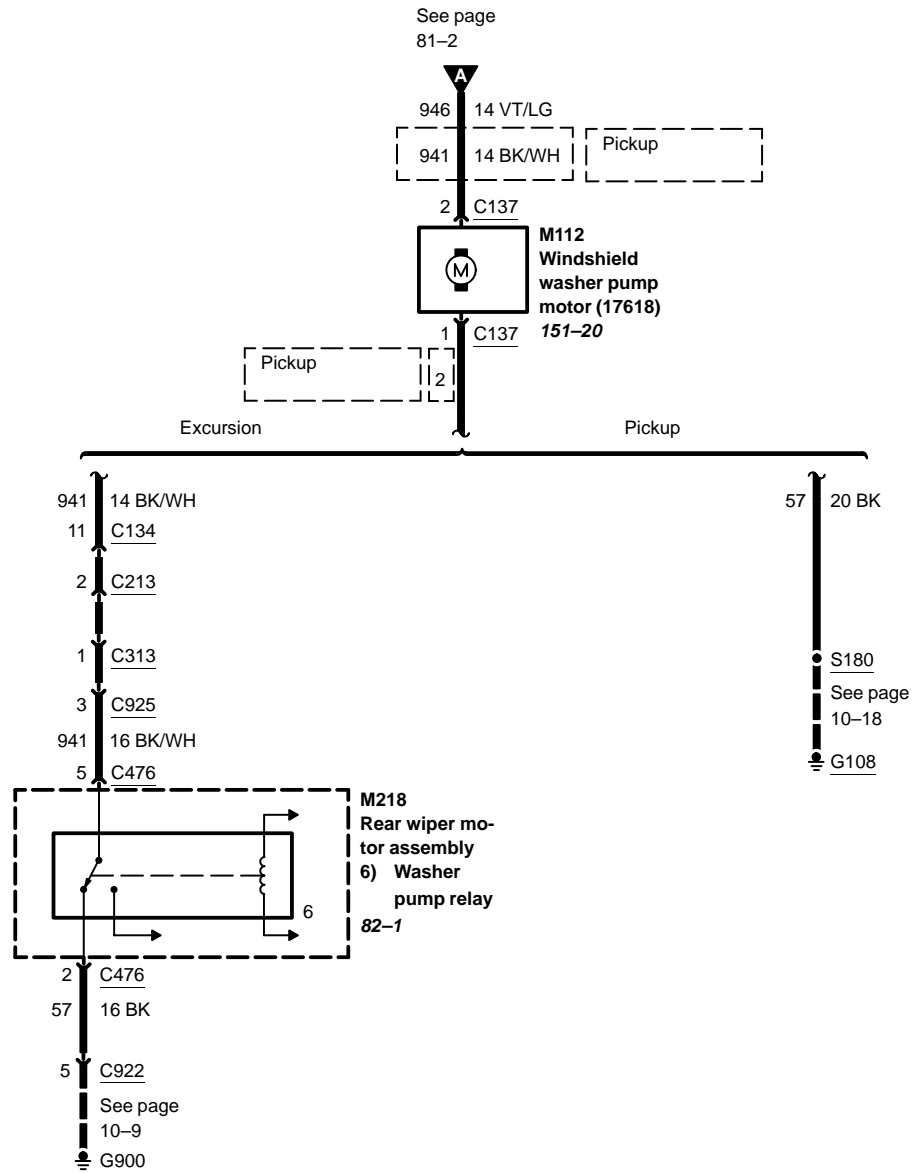
System overview

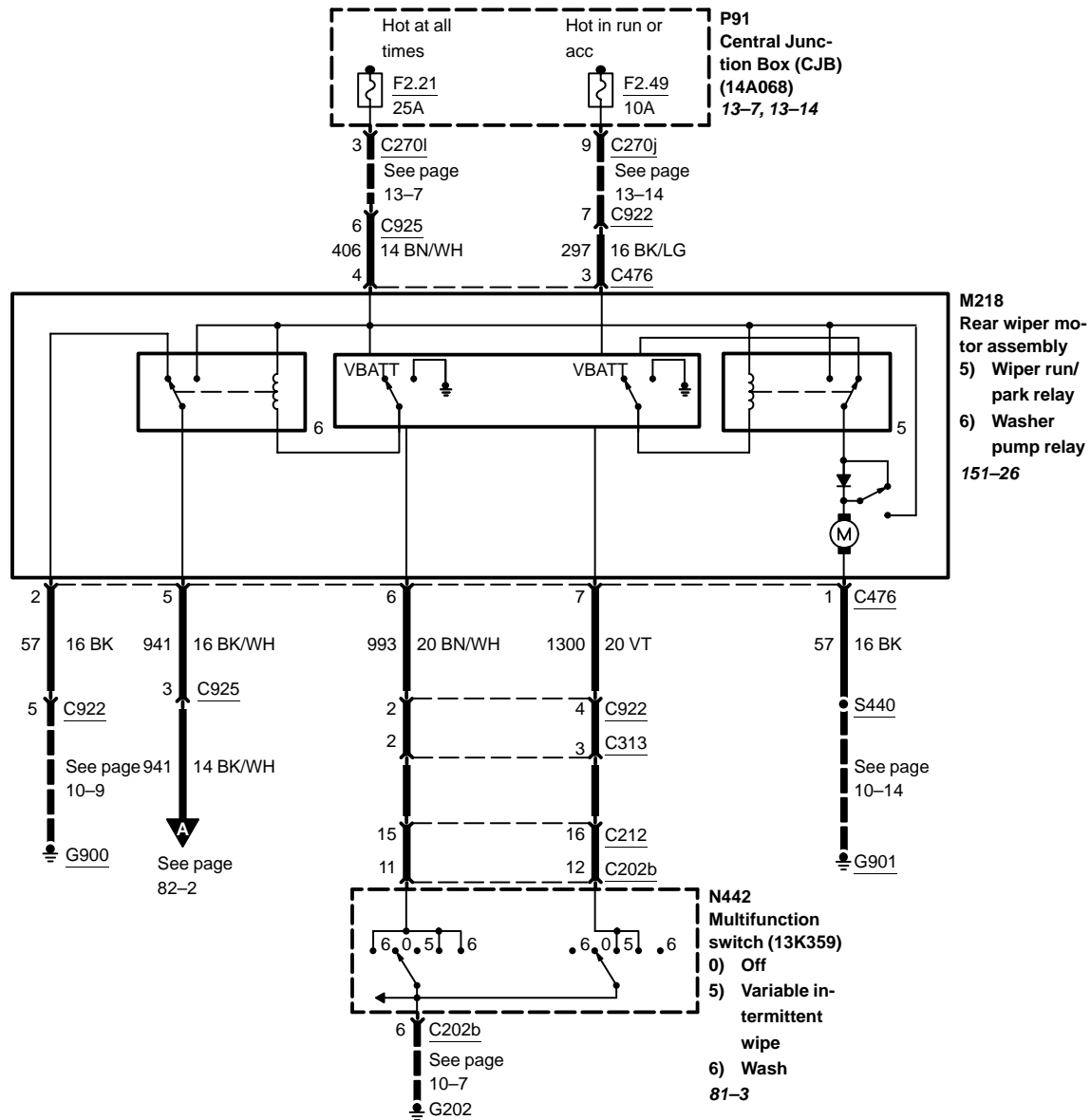


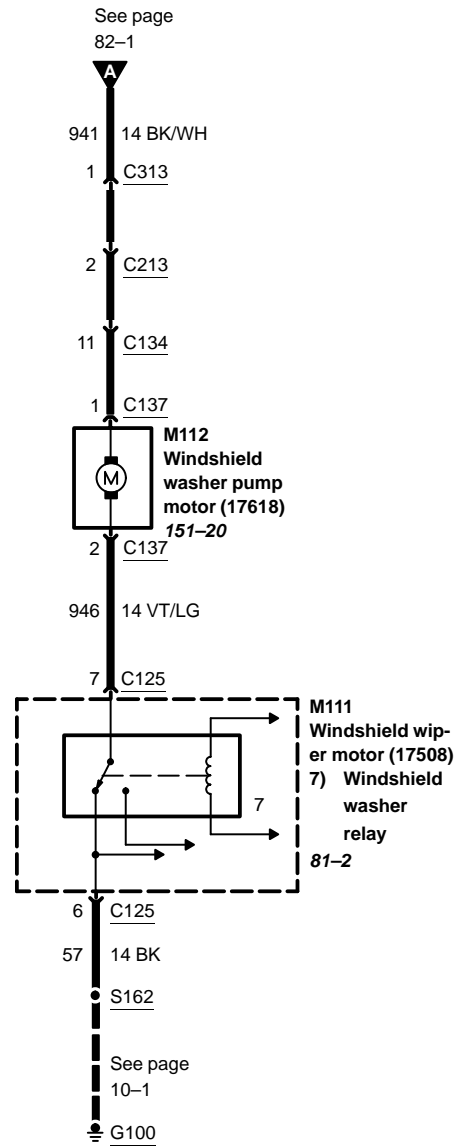


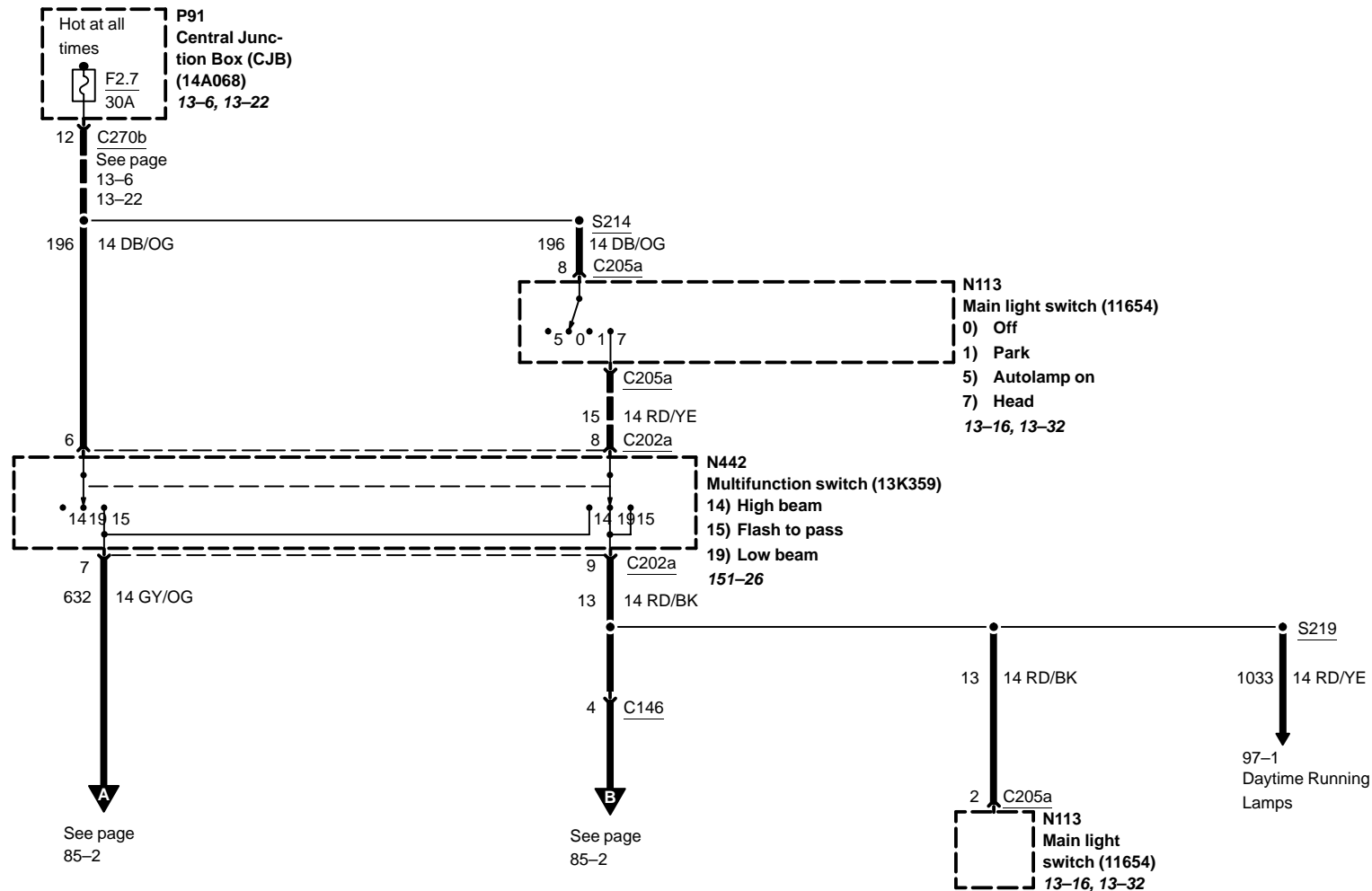
81-3 Wipers and Washers

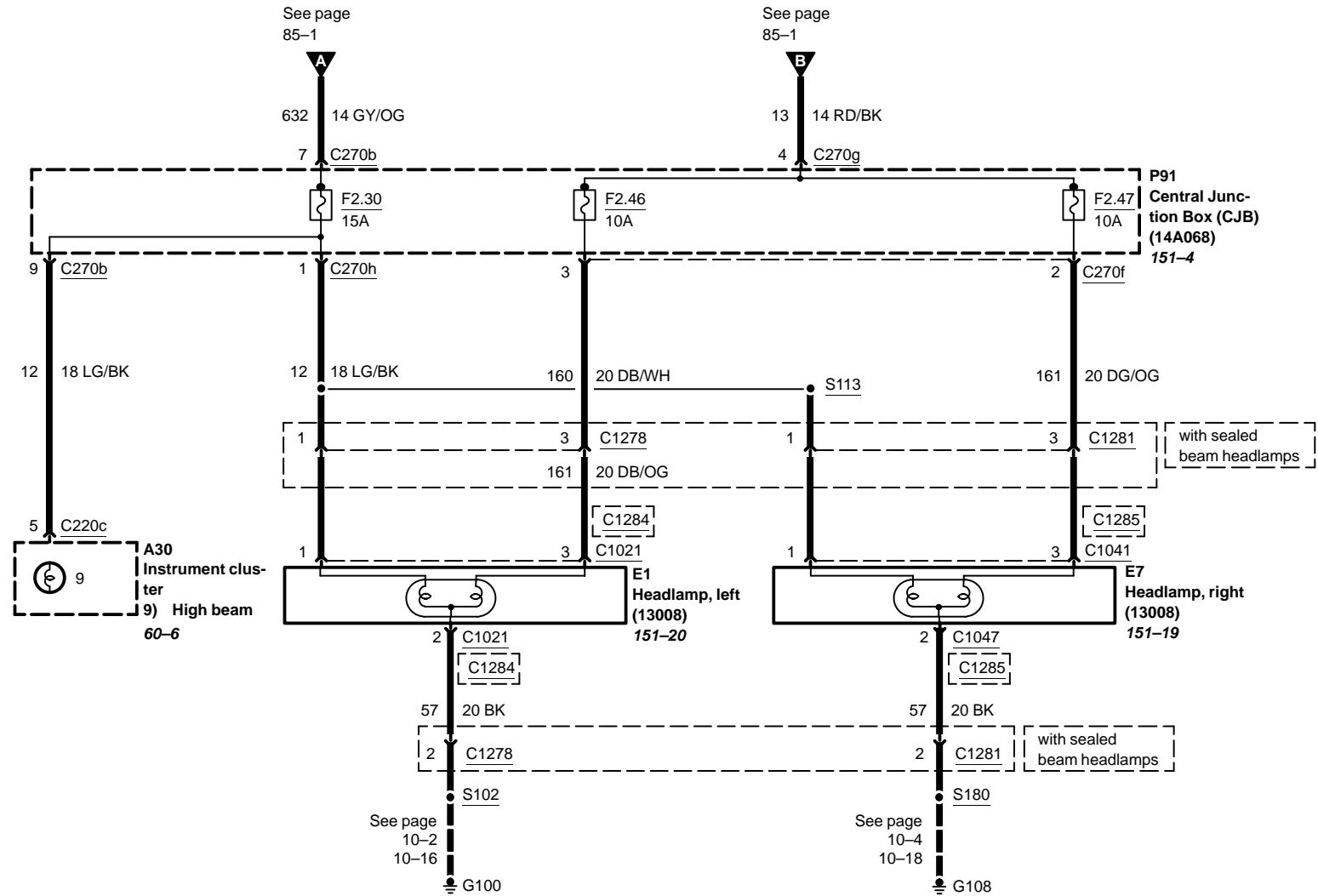


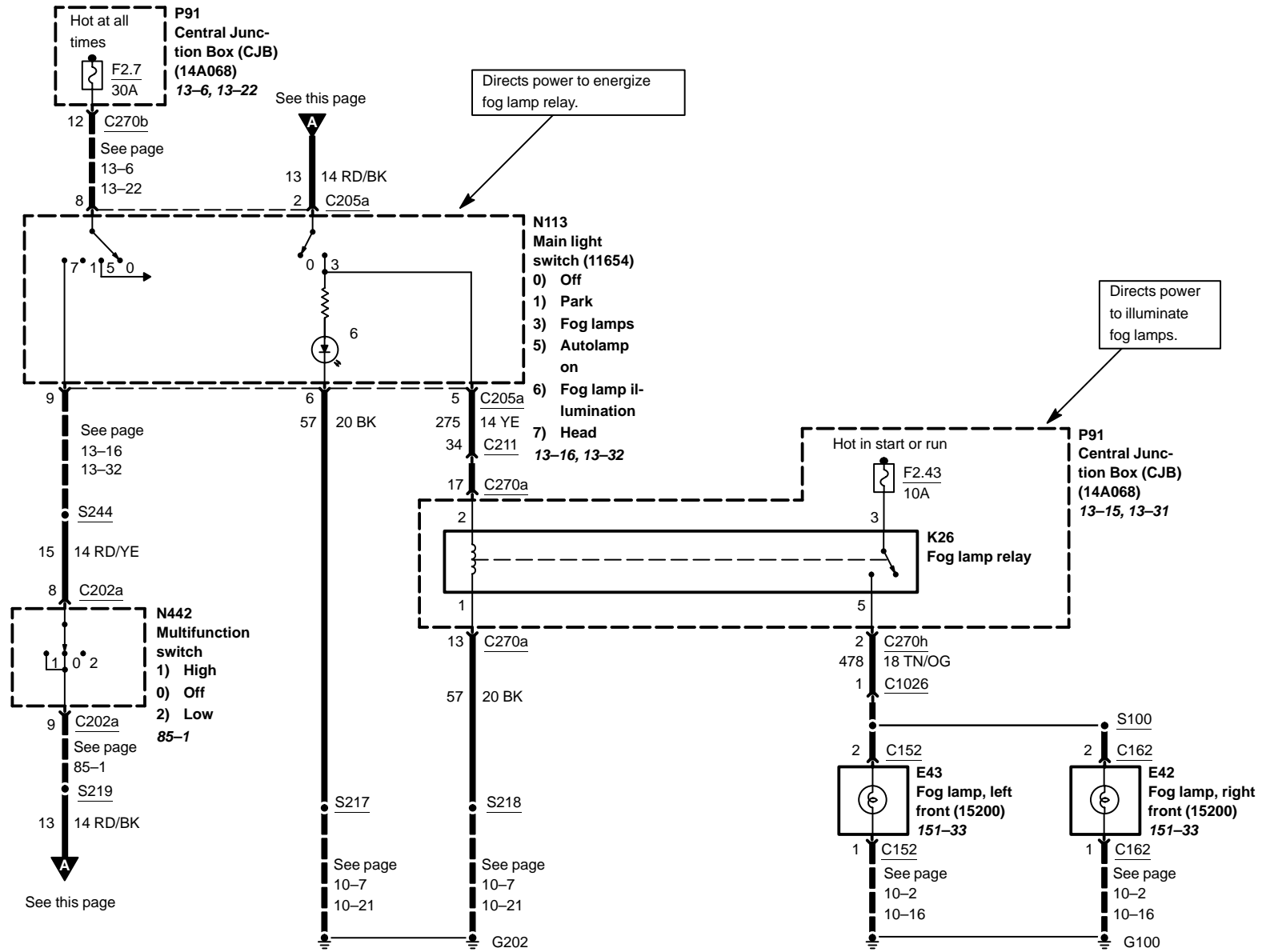


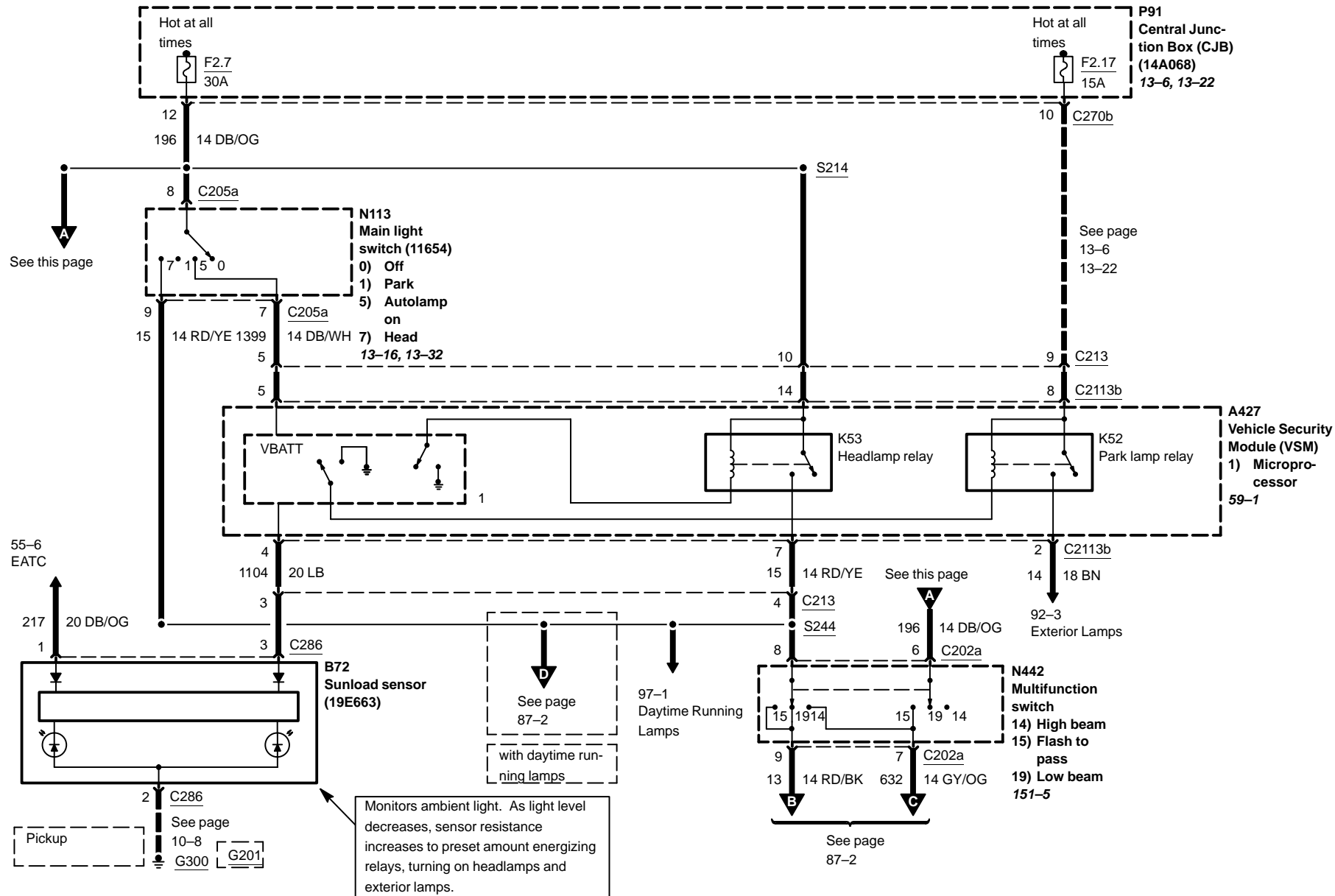


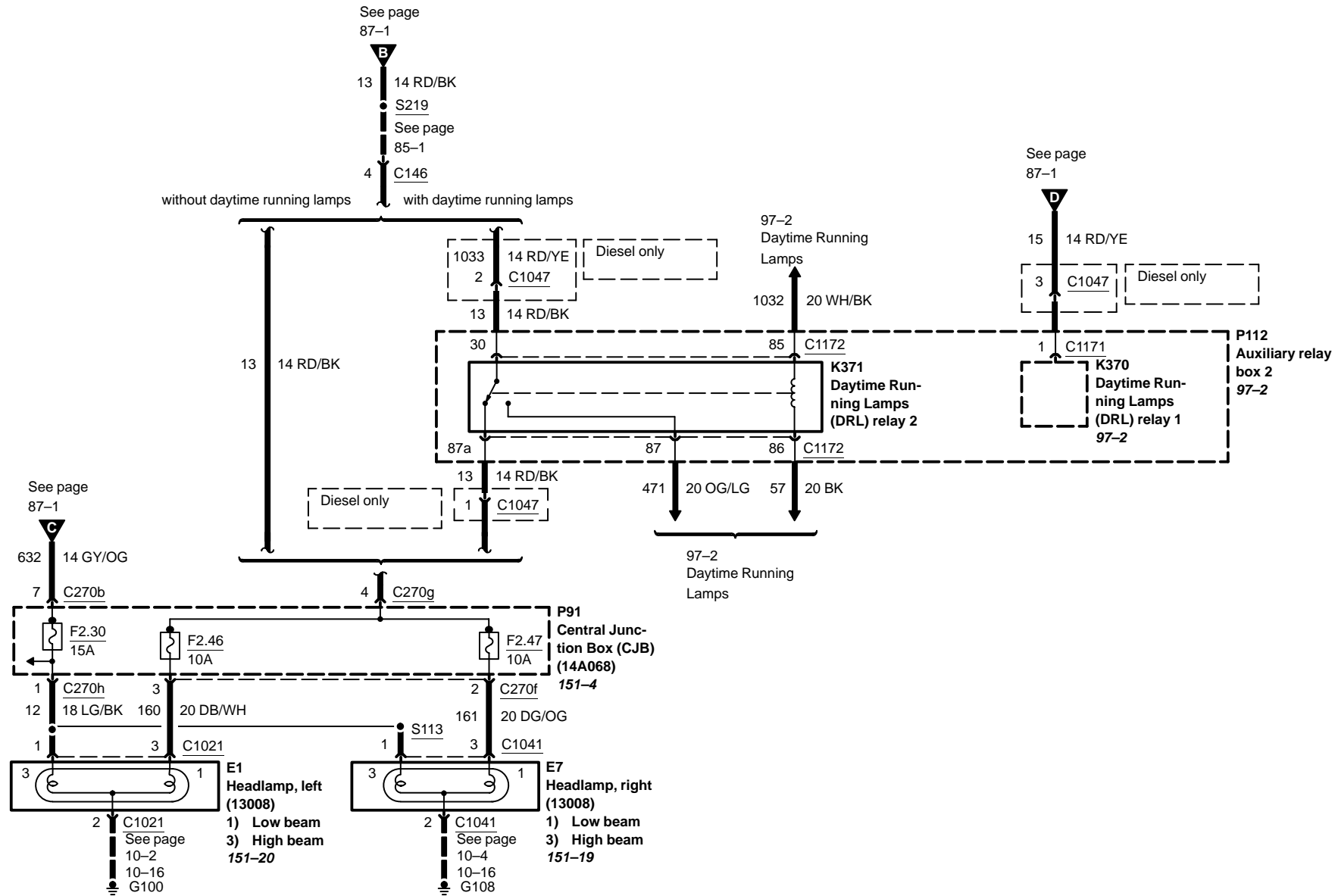




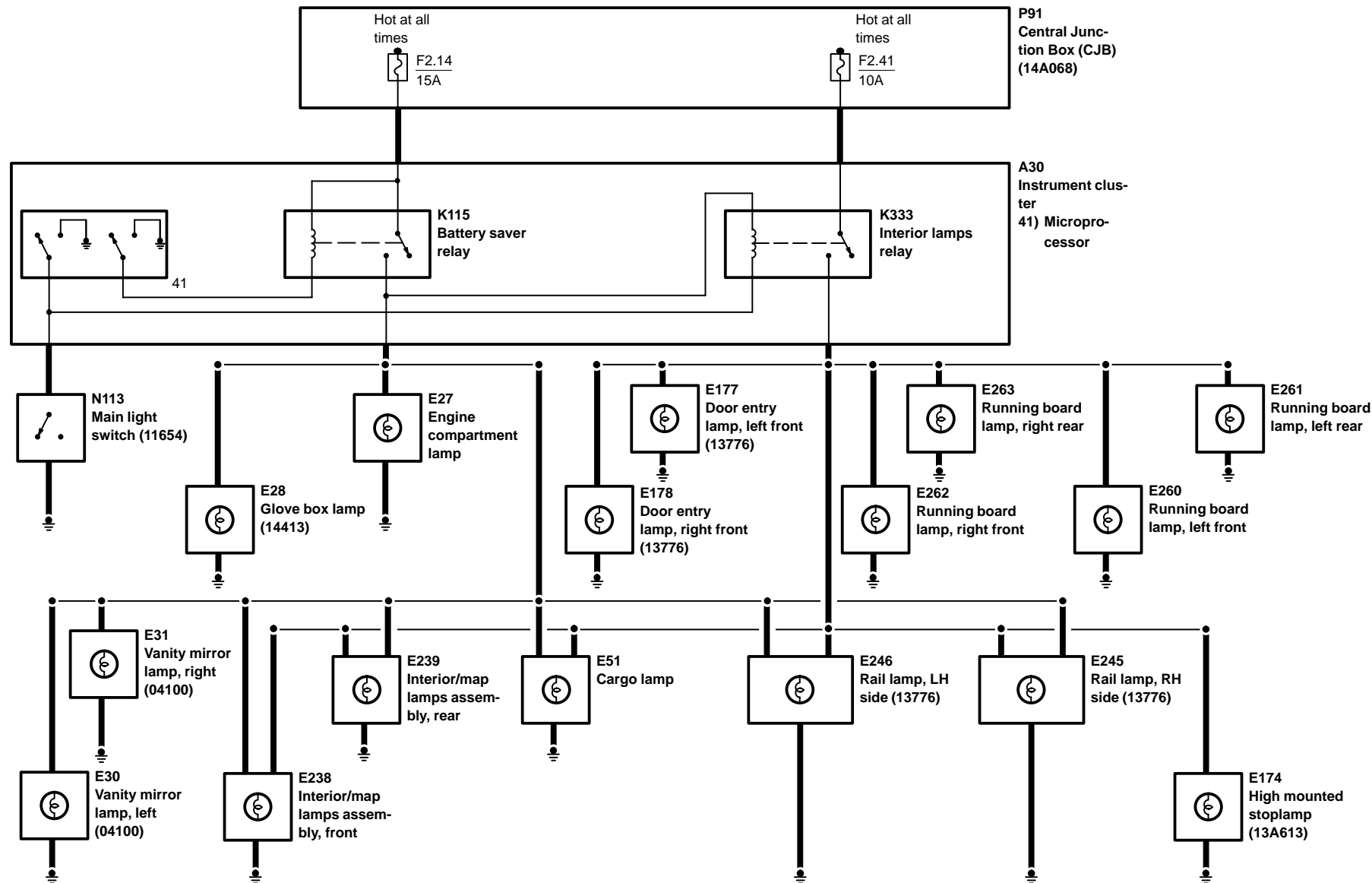


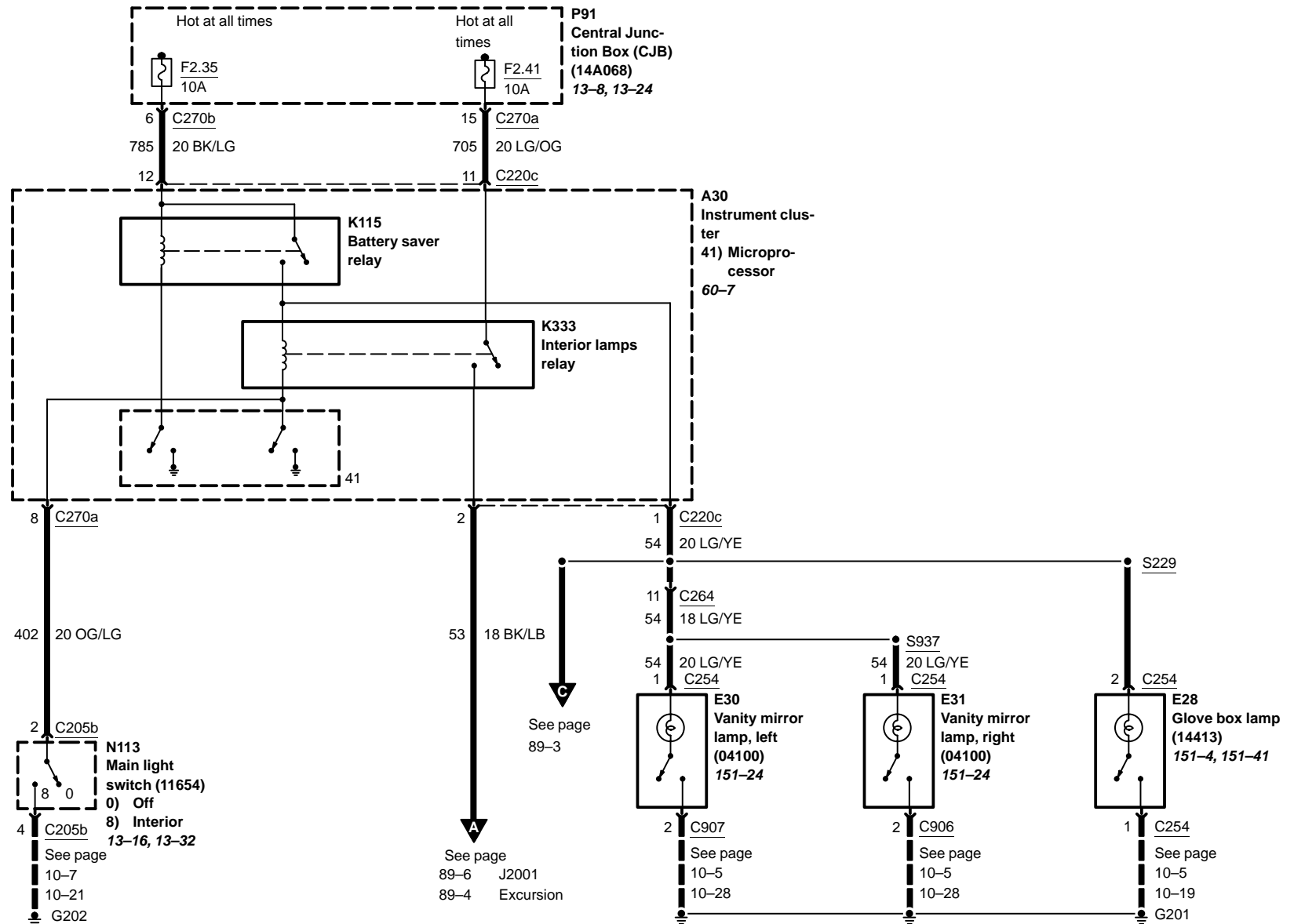


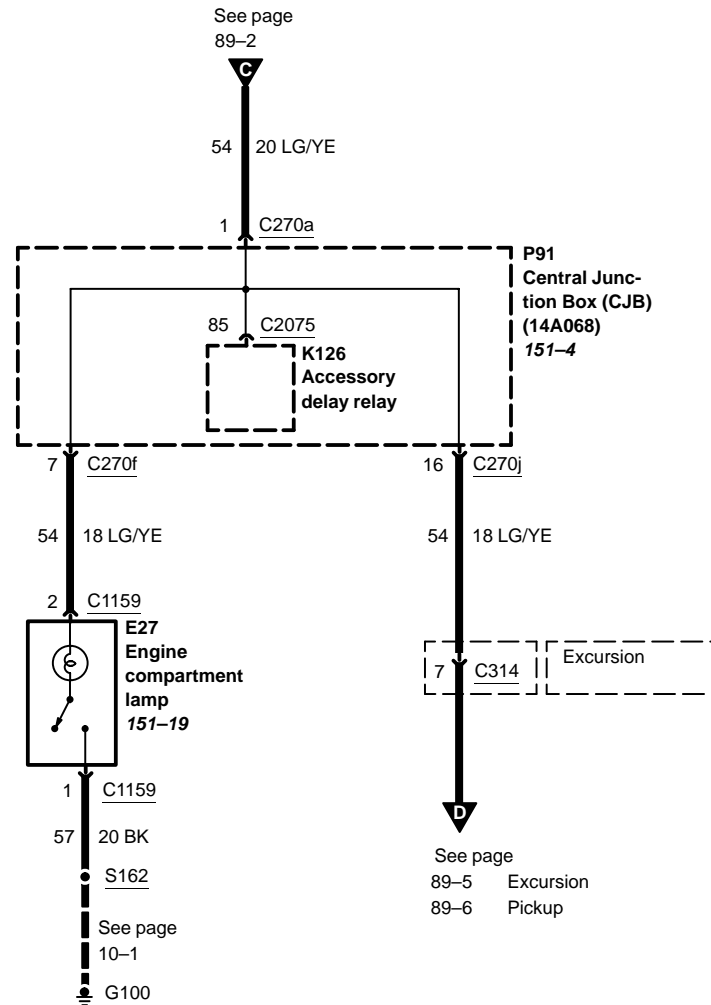




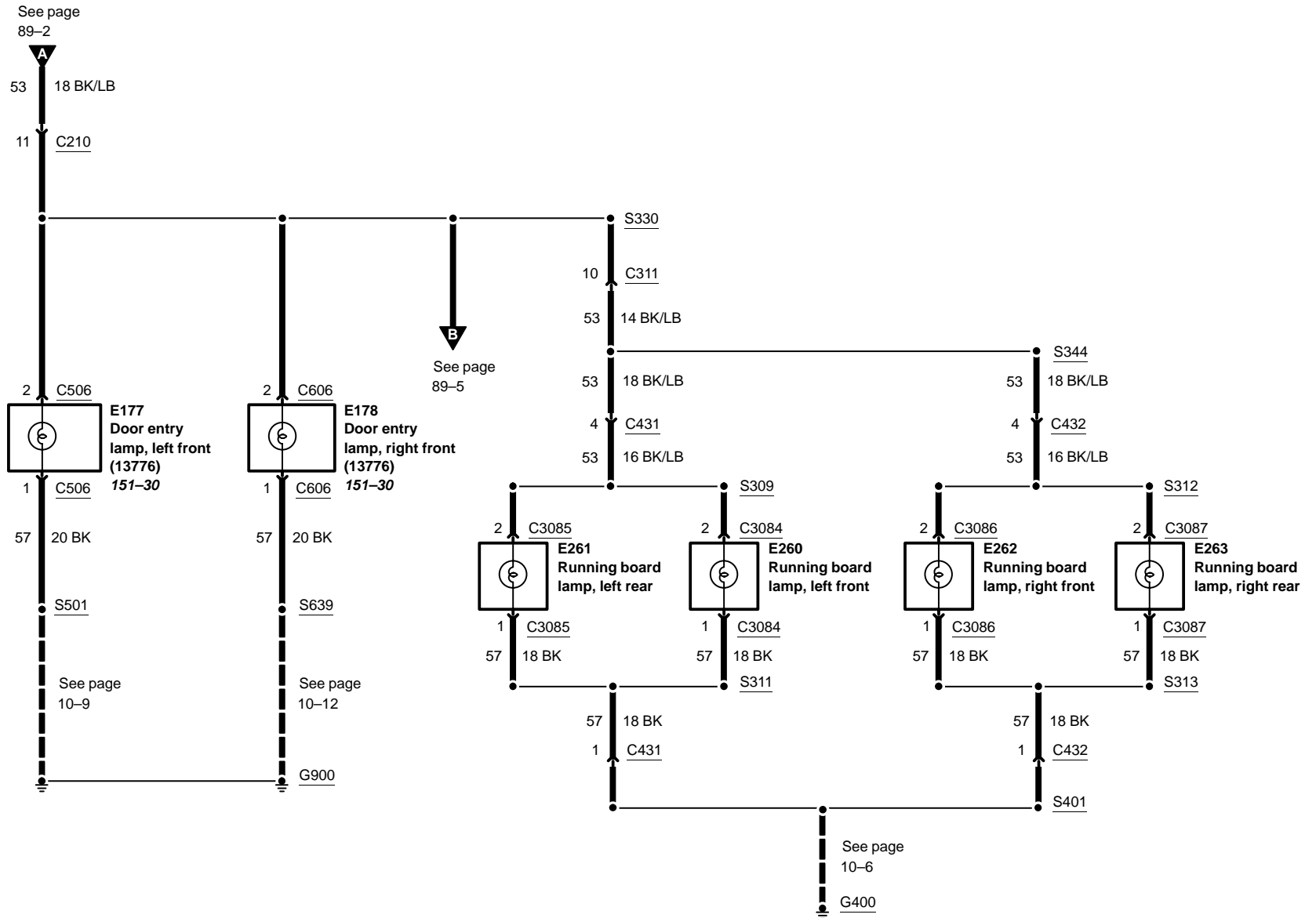
System overview

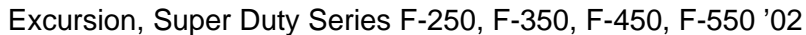




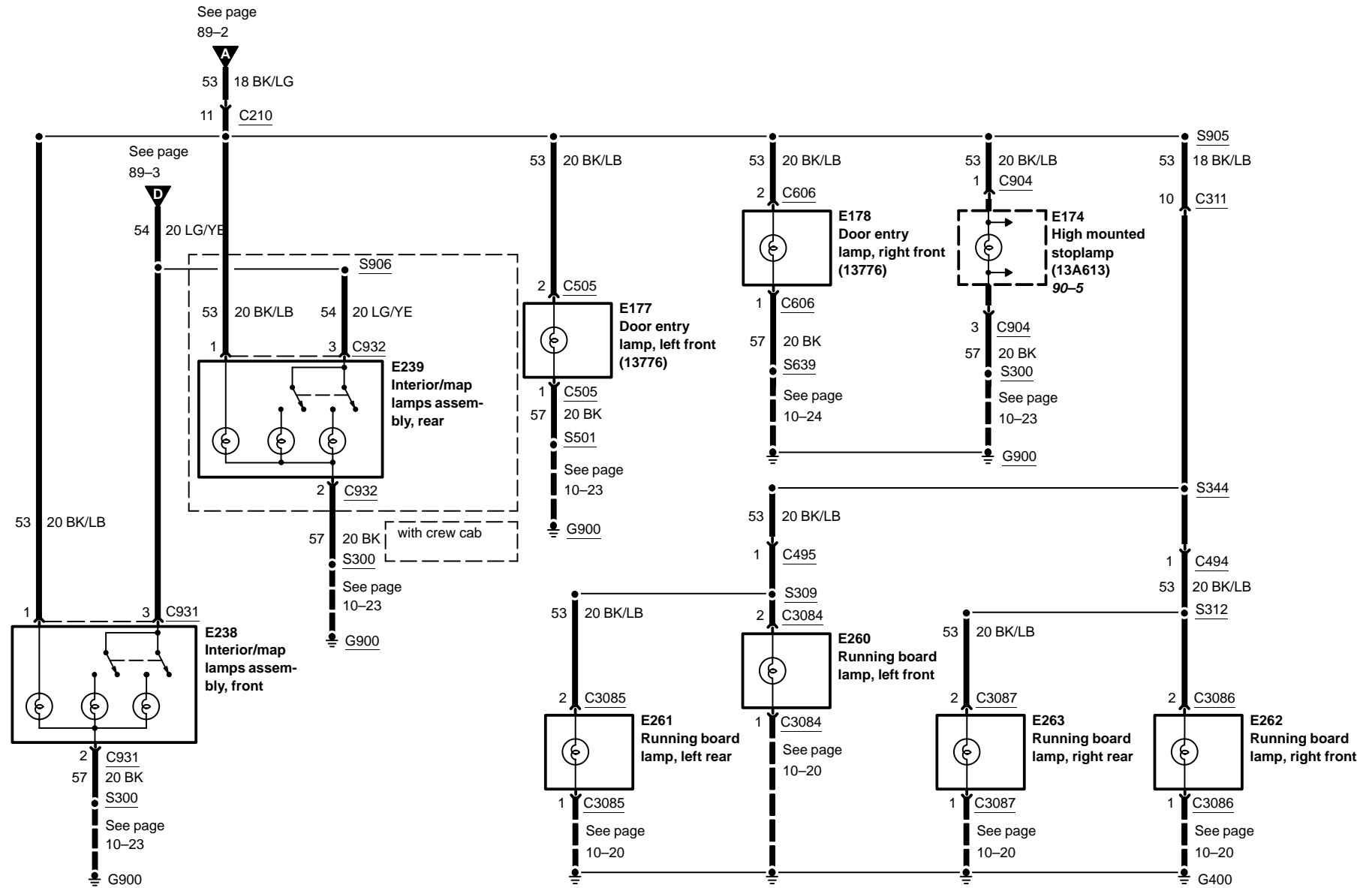


Excursion

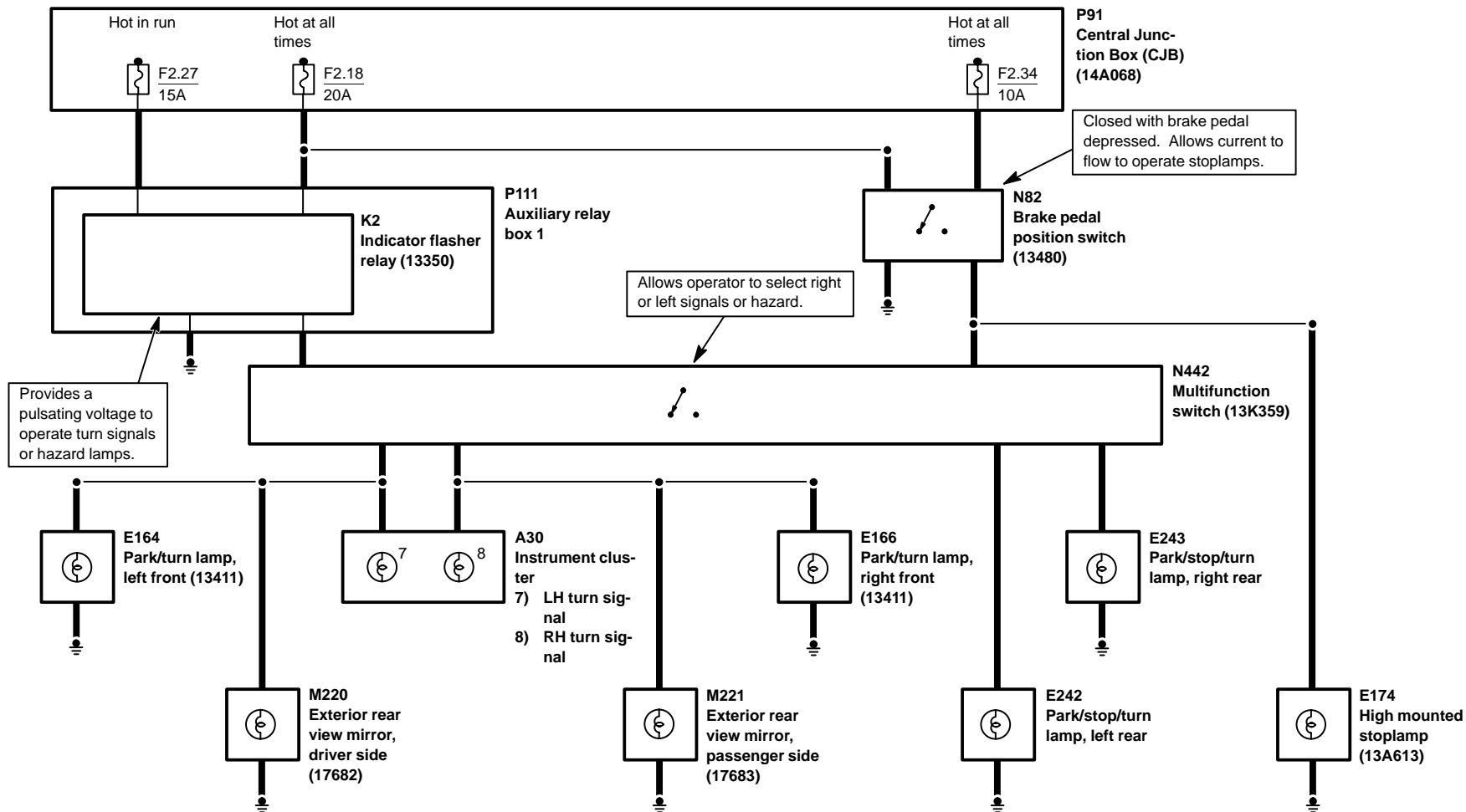


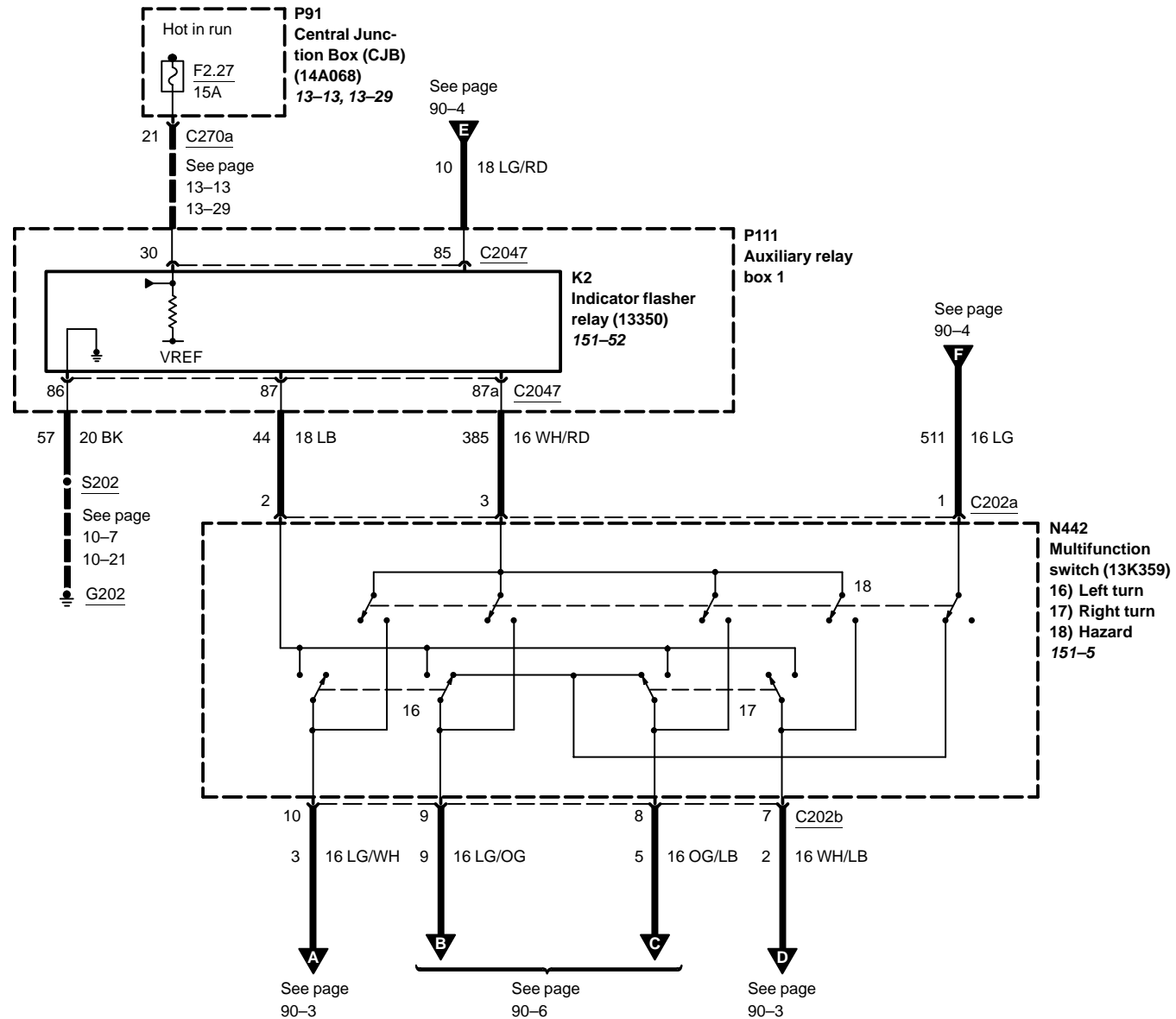


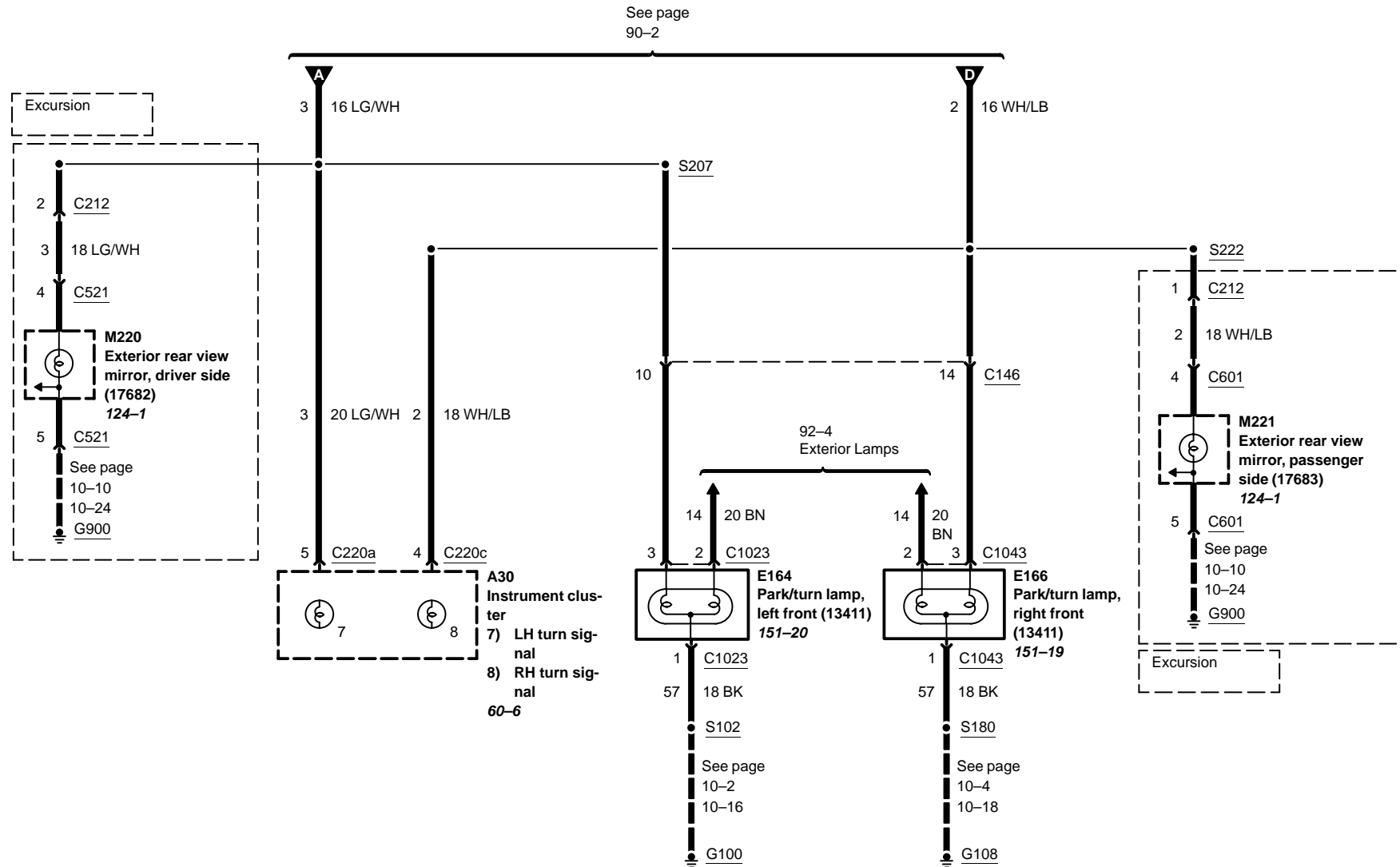
Pickup

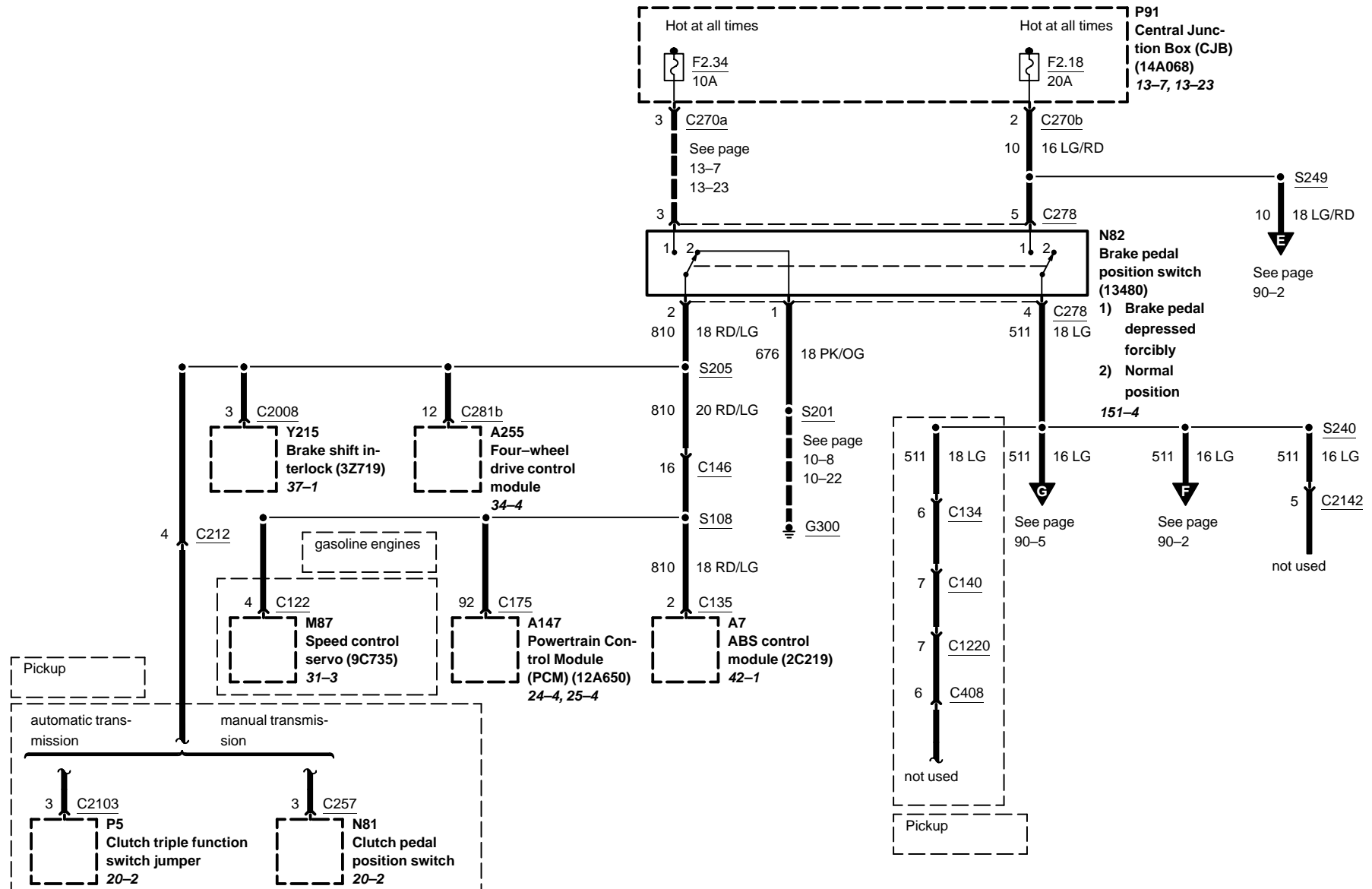


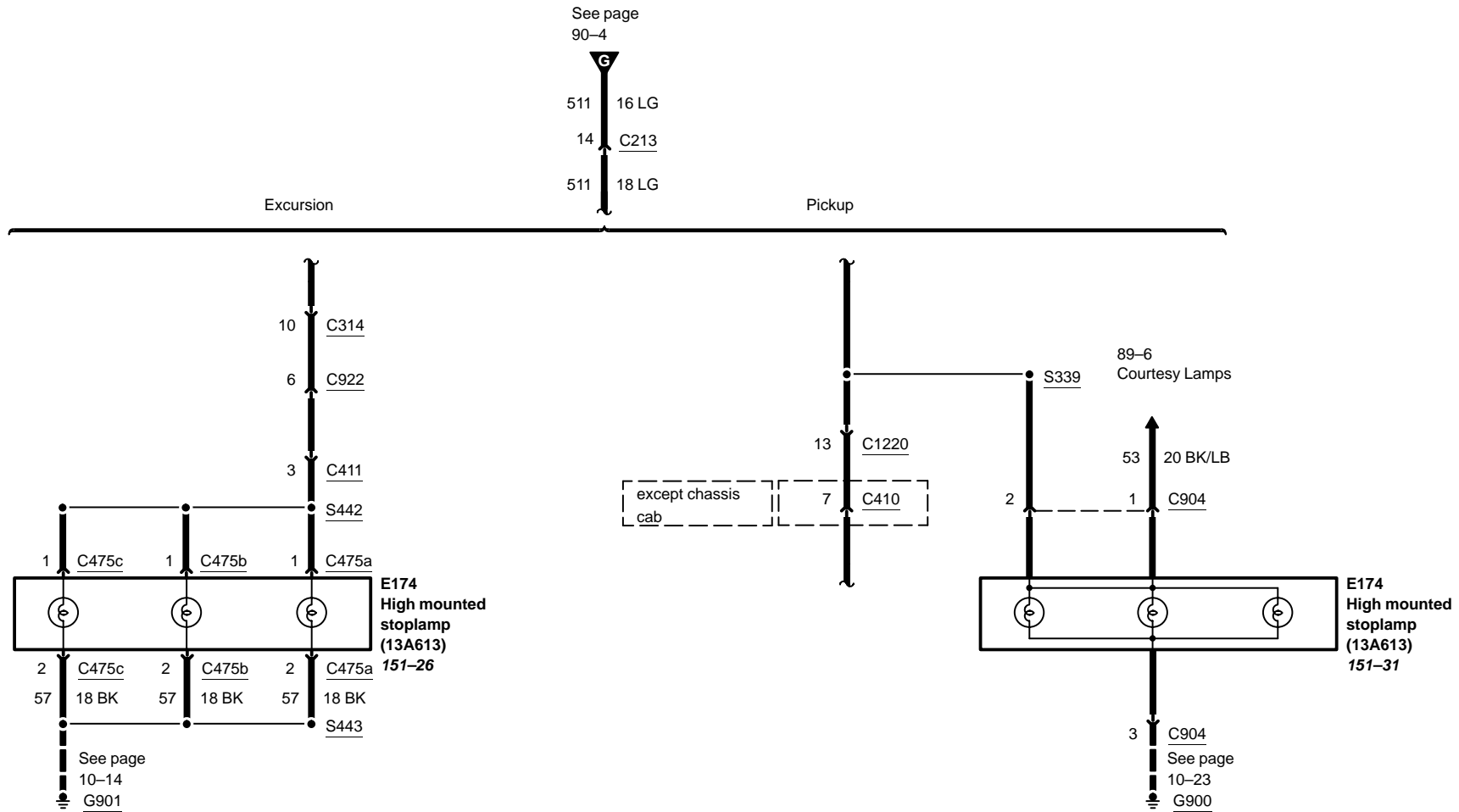
System overview

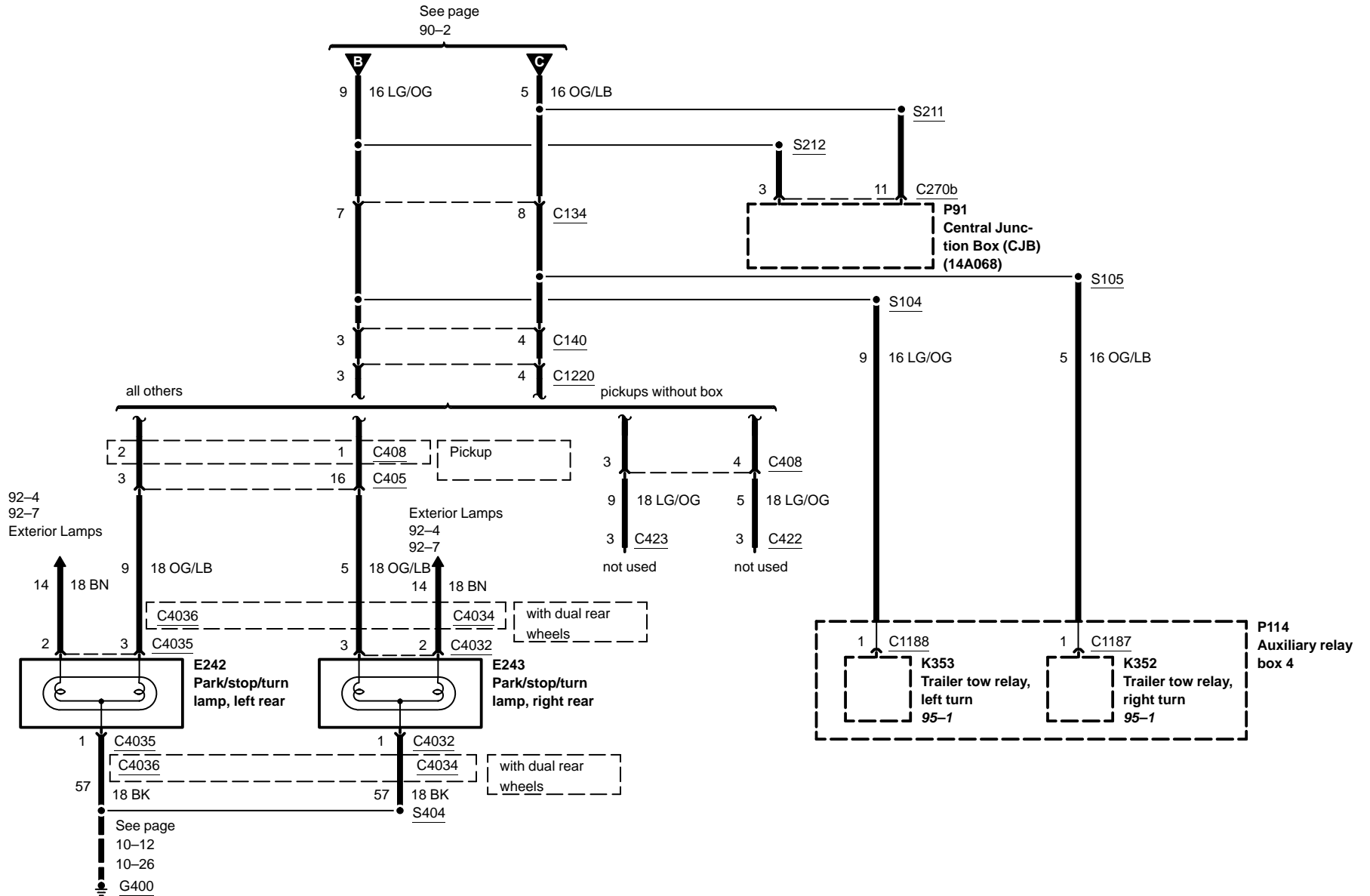




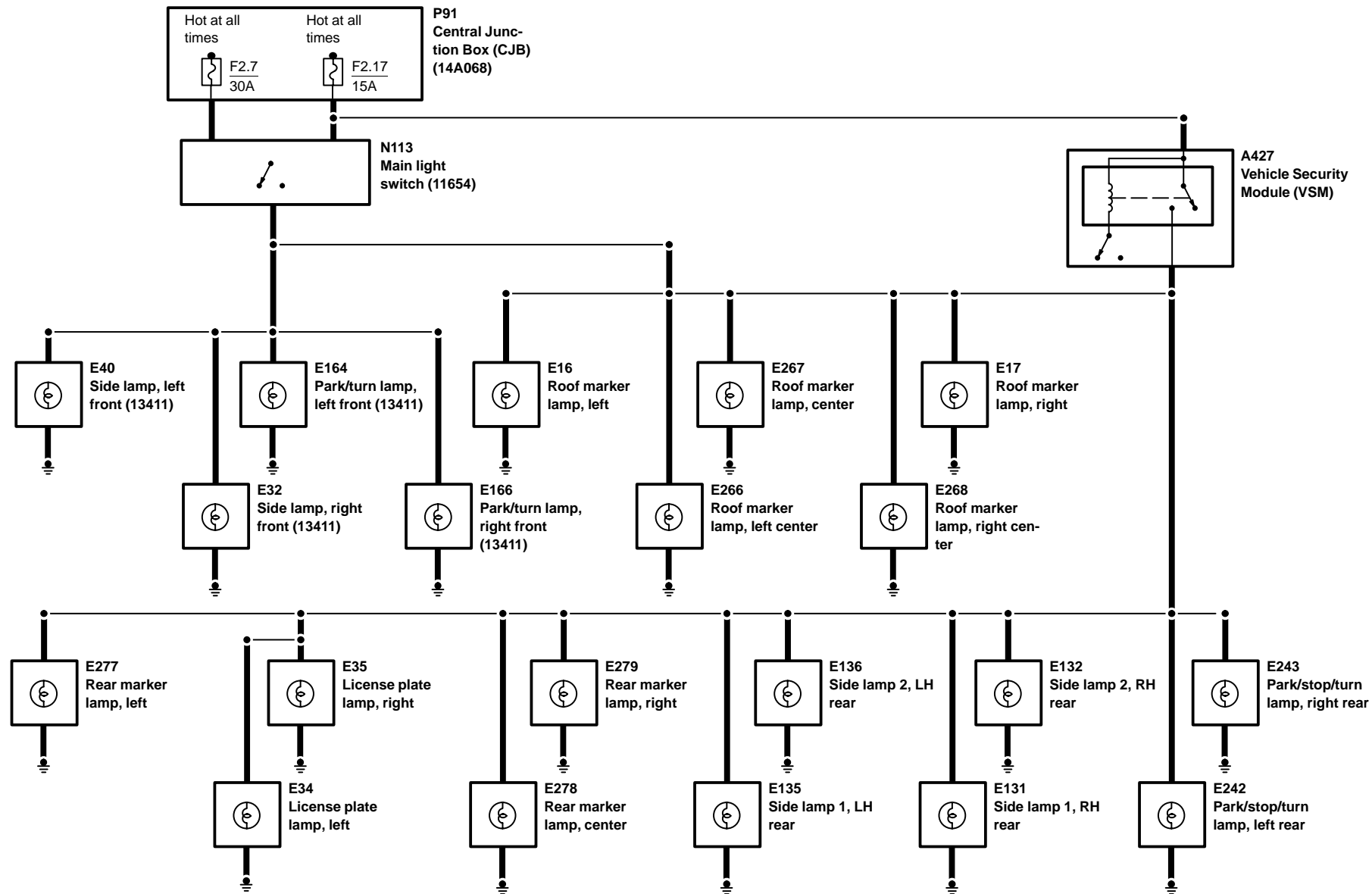




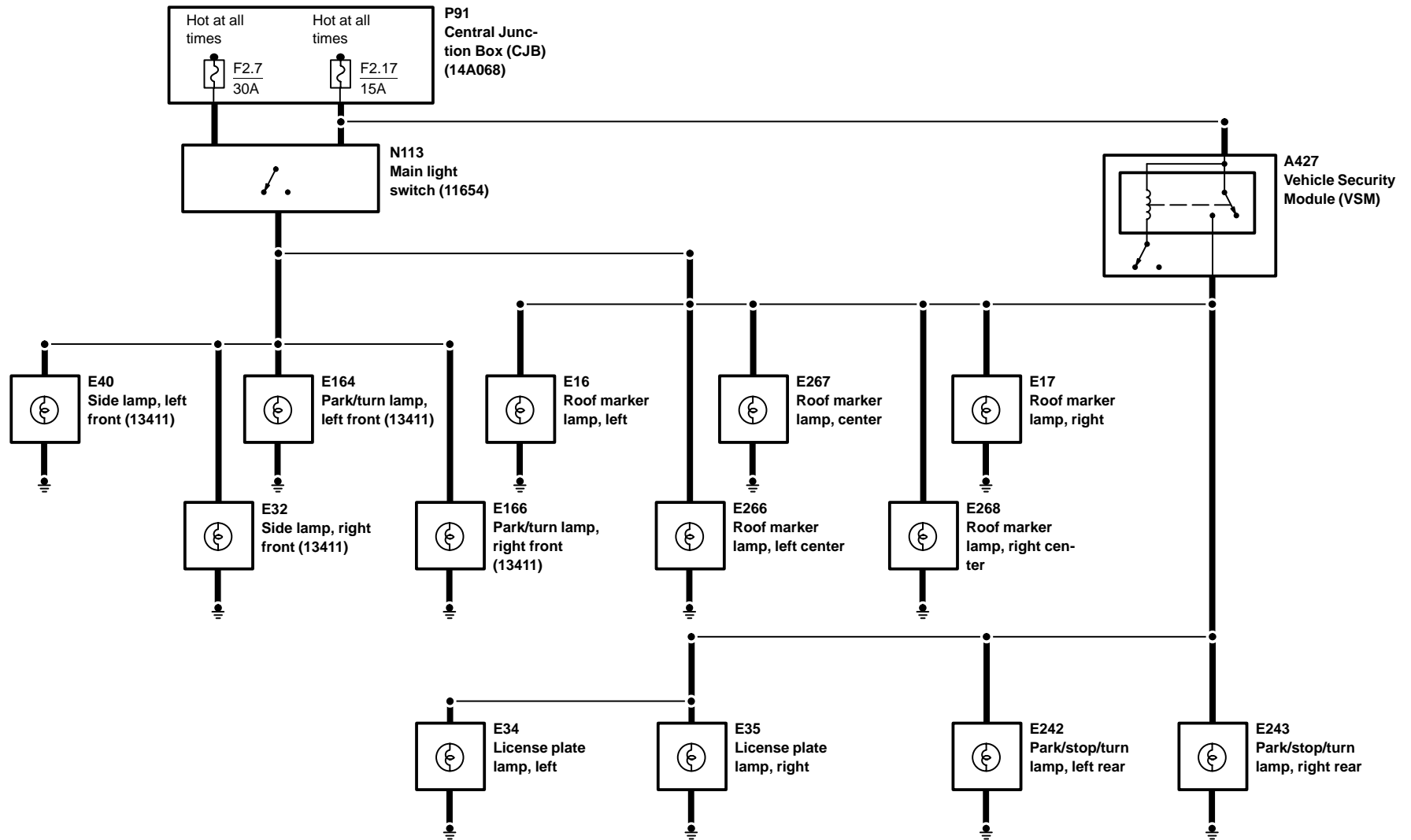


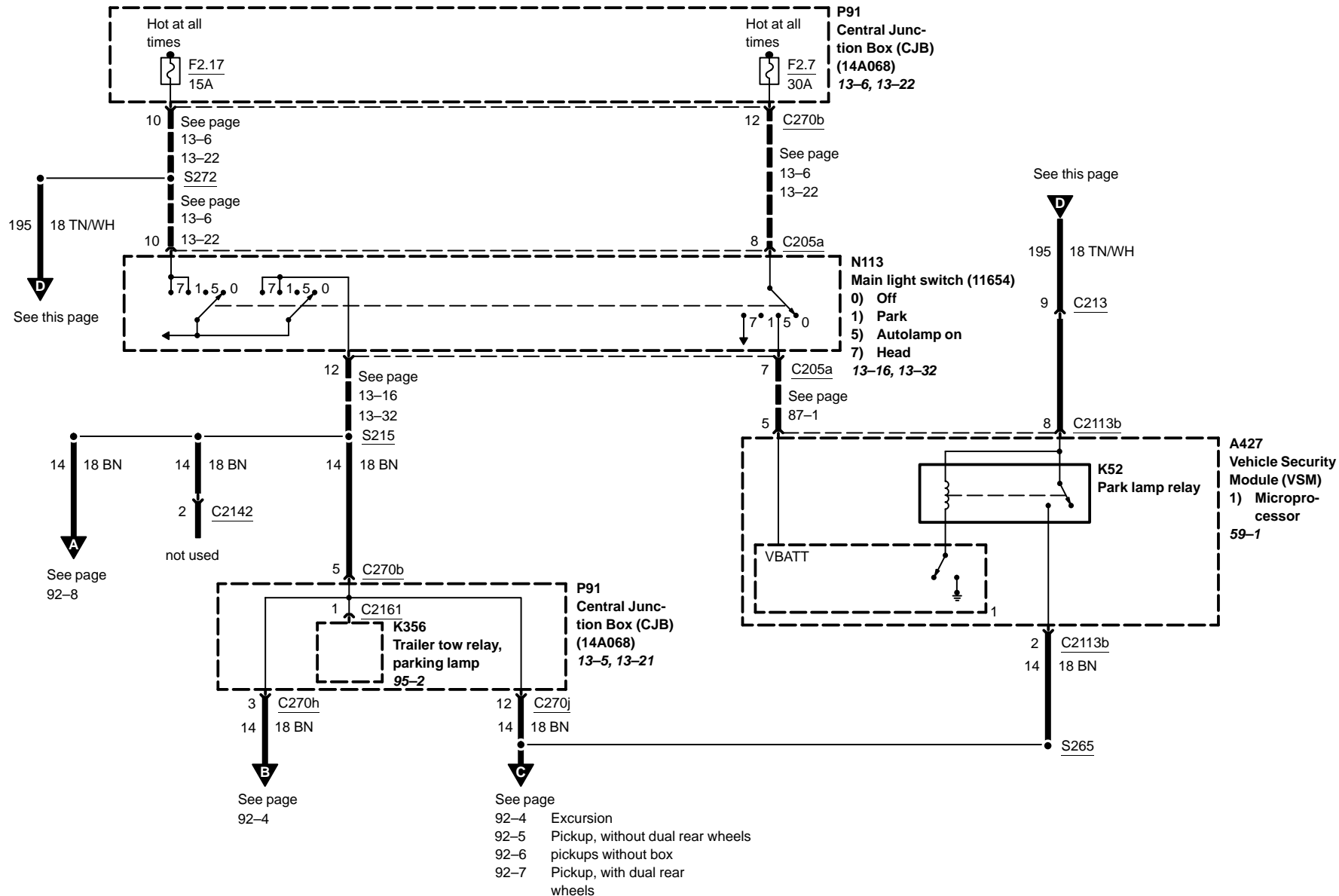


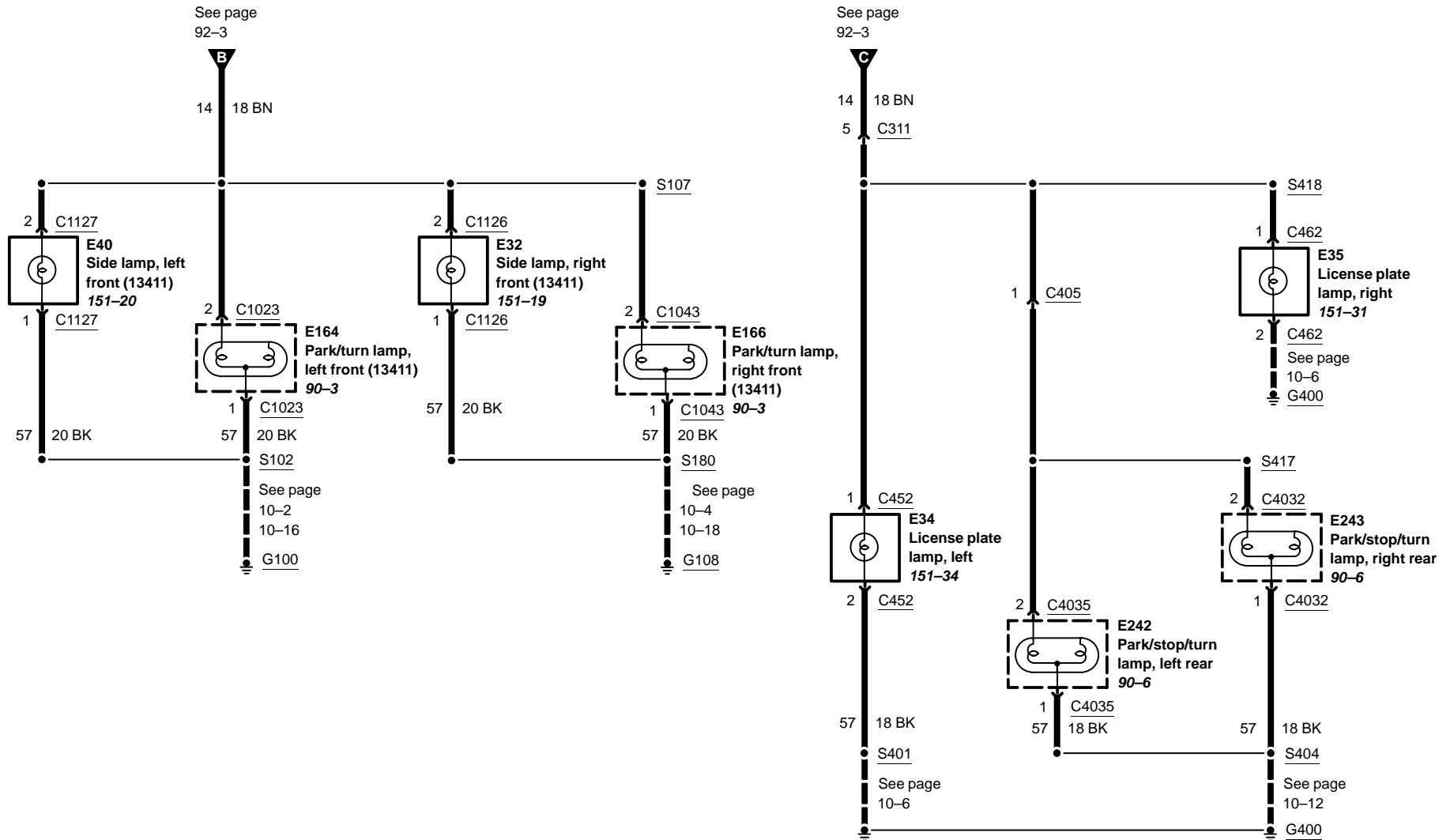
System overview, Pickup, with dual rear wheels



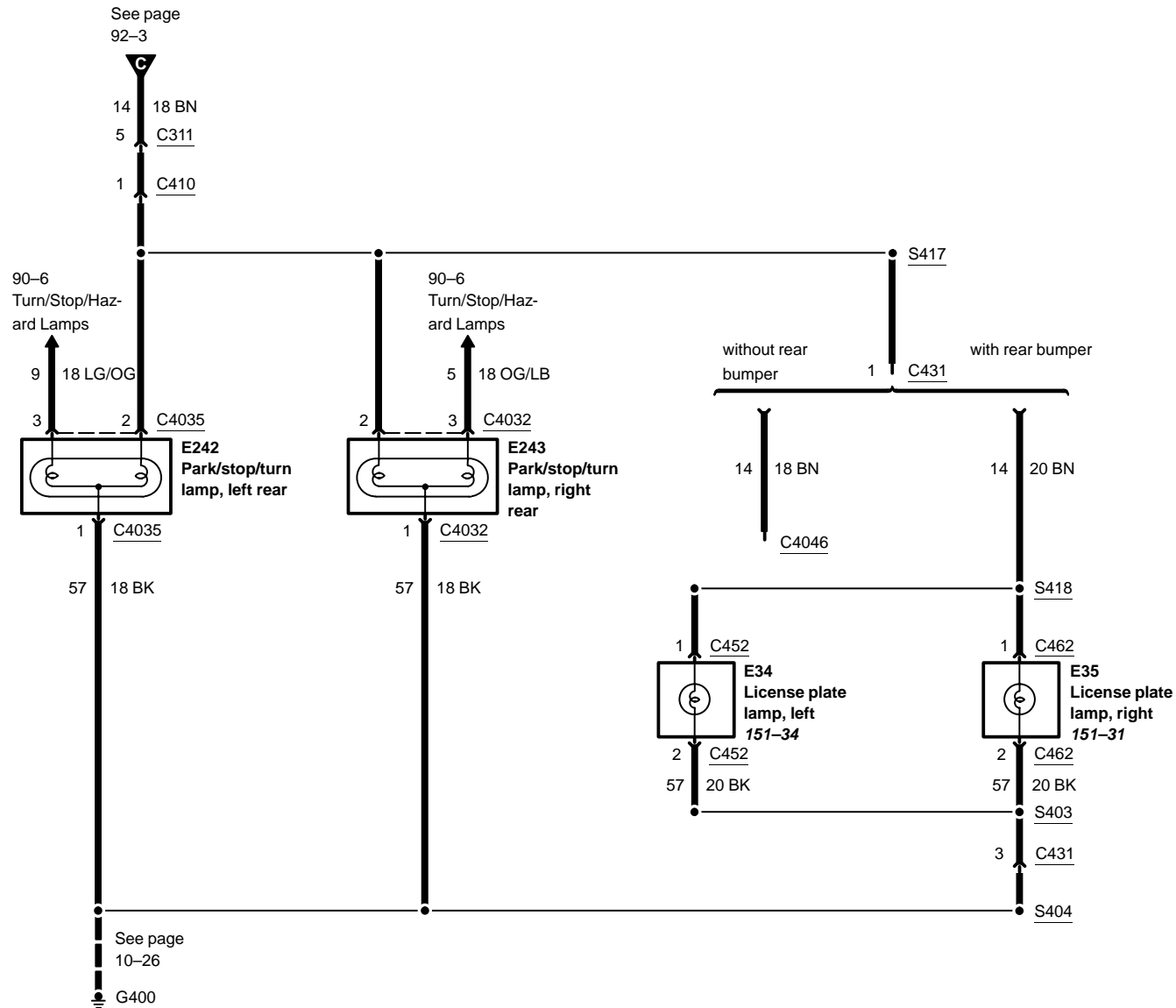
System overview, all others



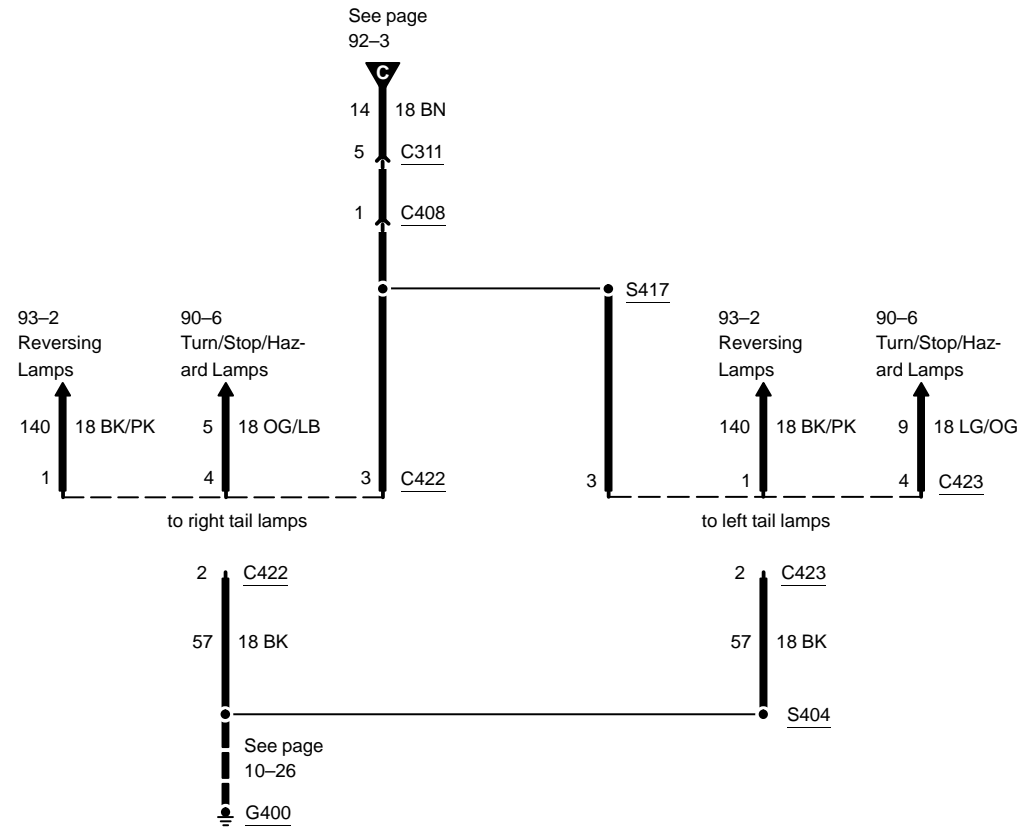




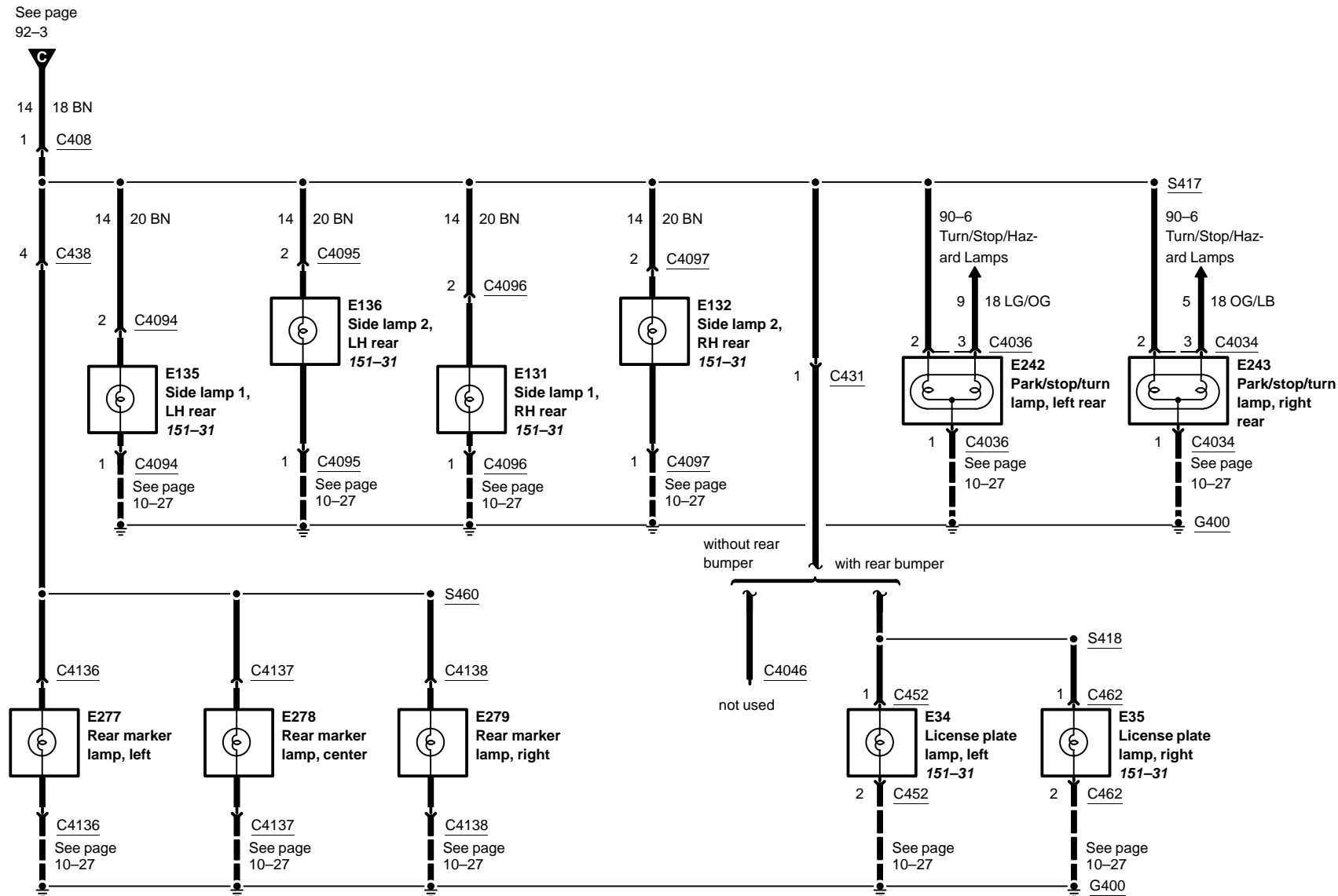
Pickup, without dual rear wheels



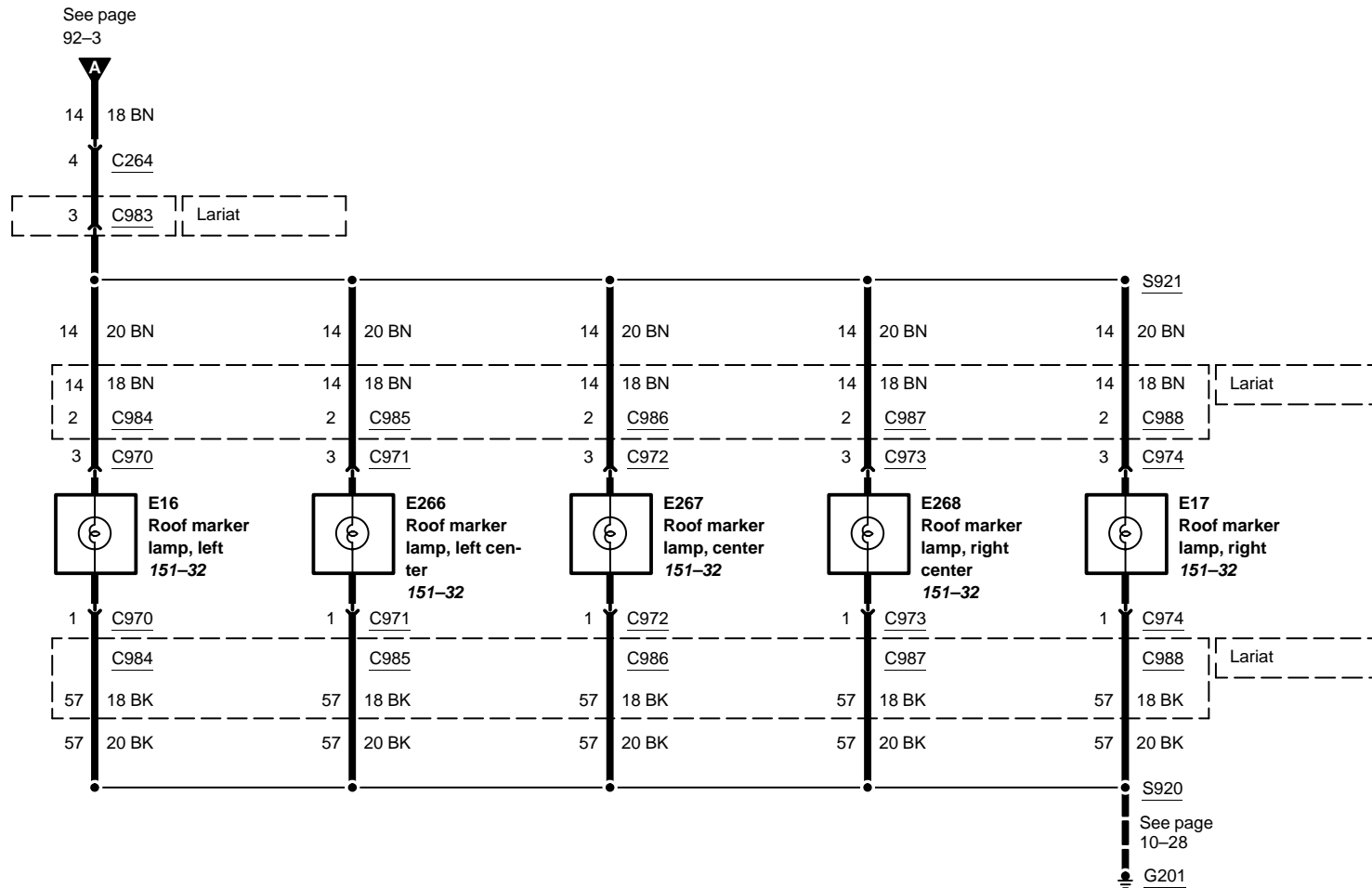
pickups without box

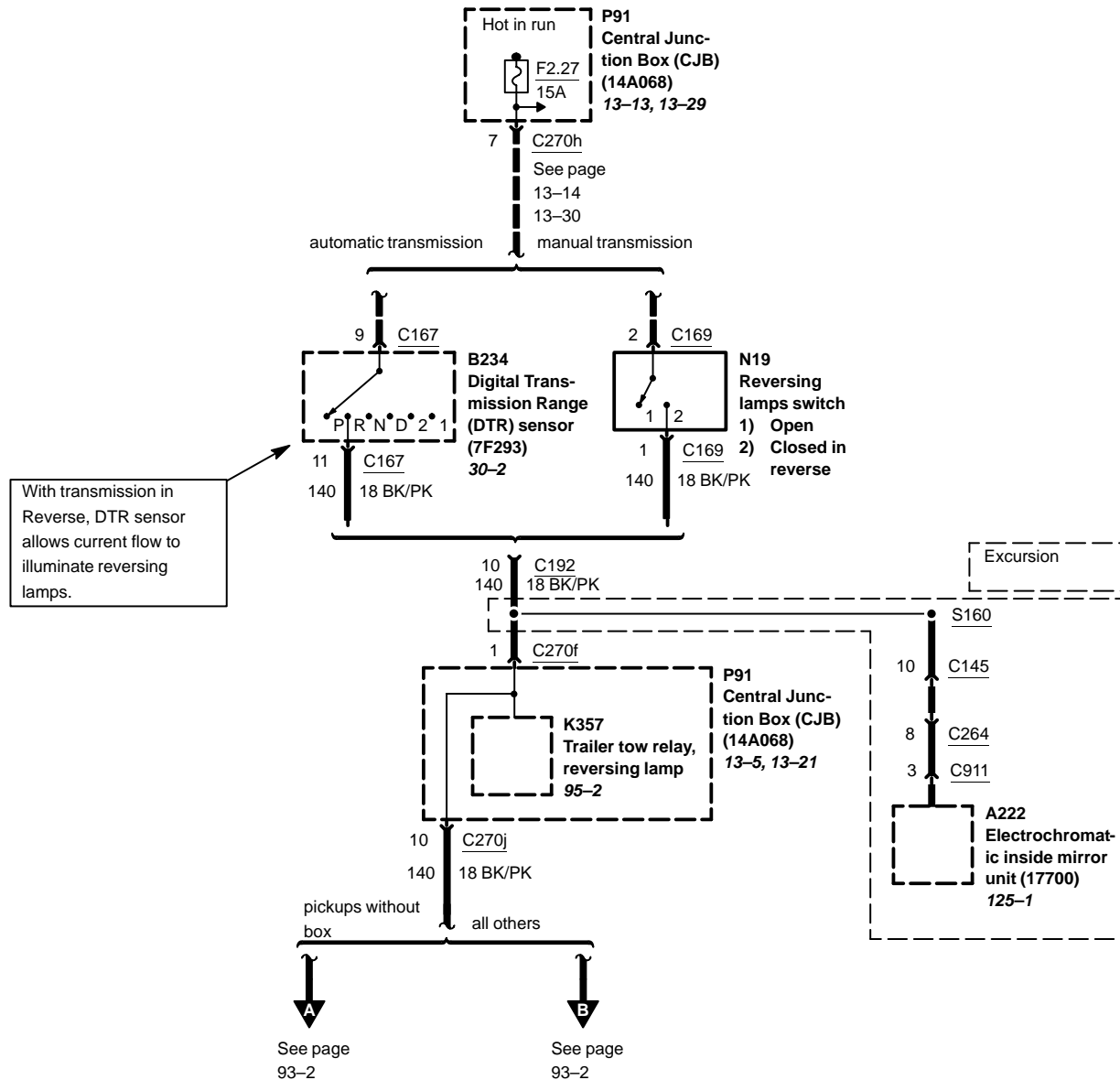


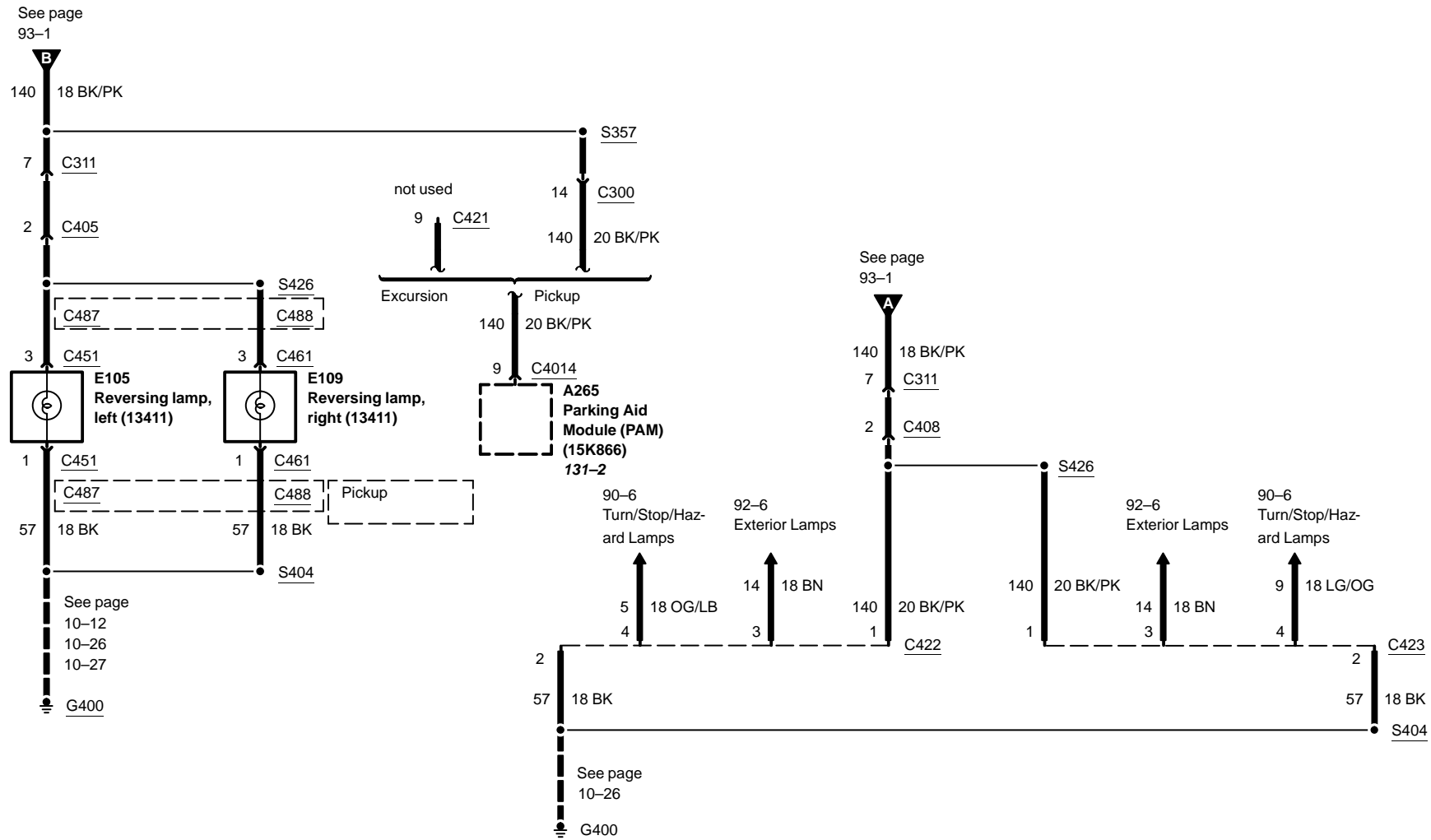
Pickup, with dual rear wheels

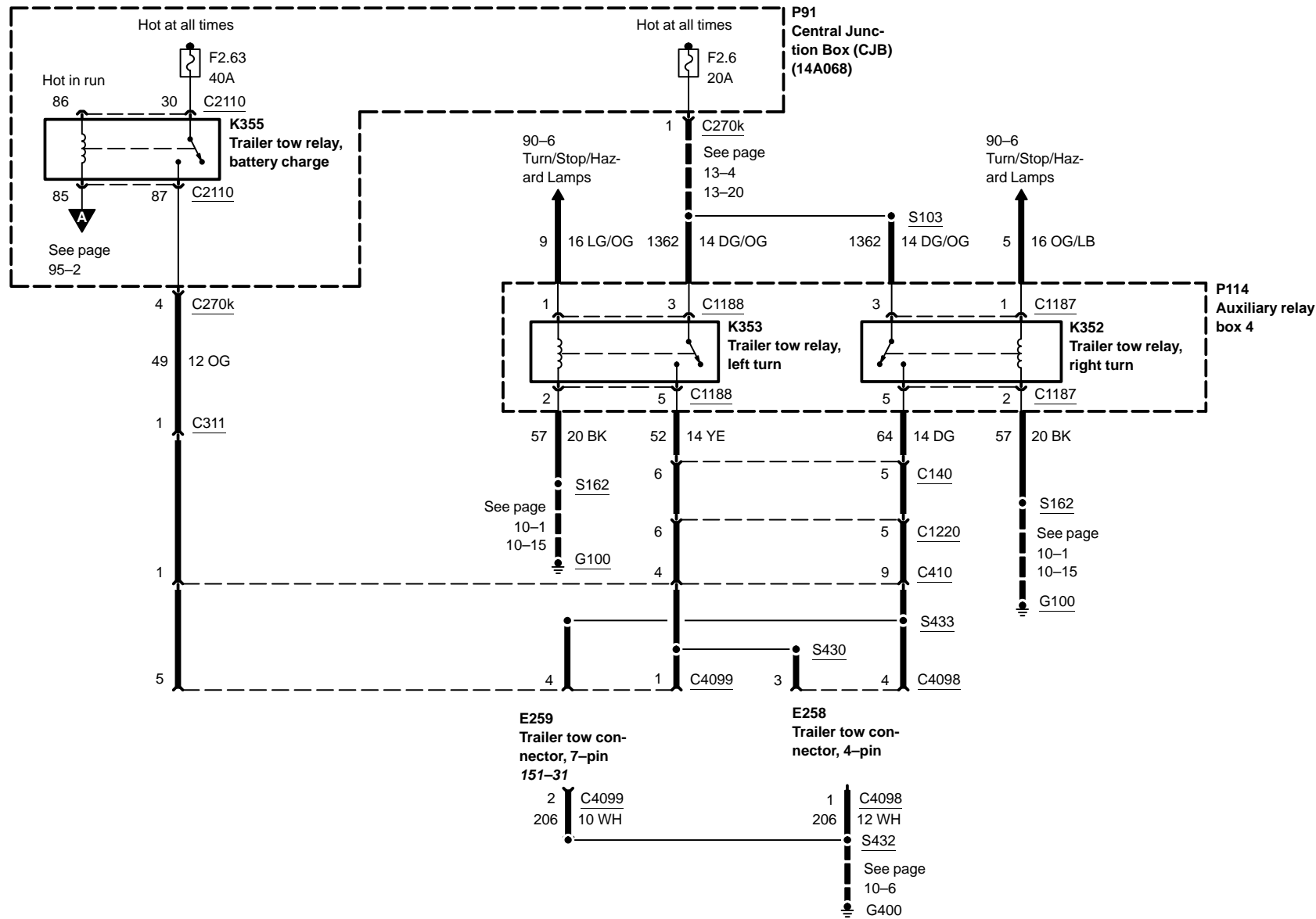


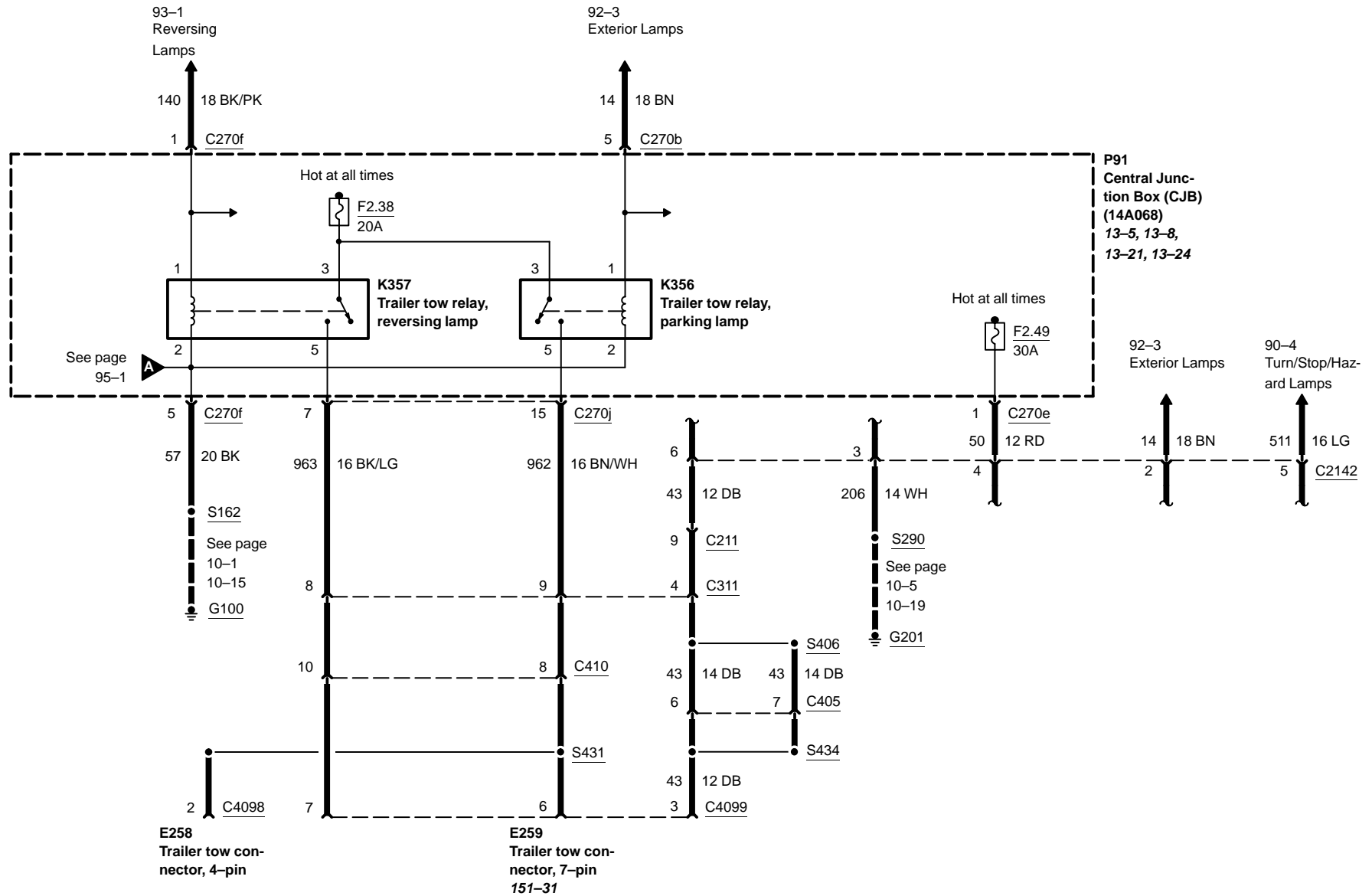
Pickup



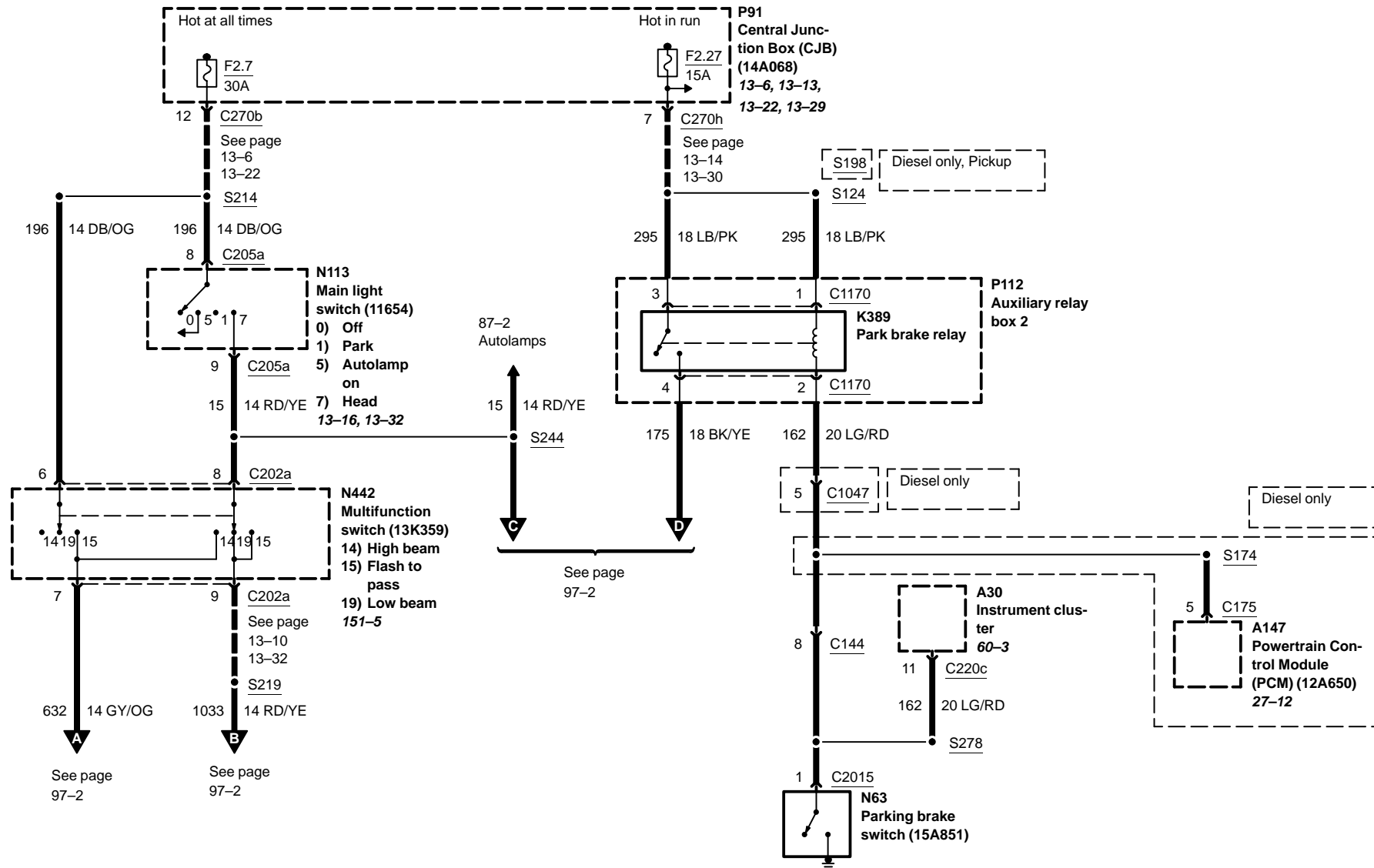


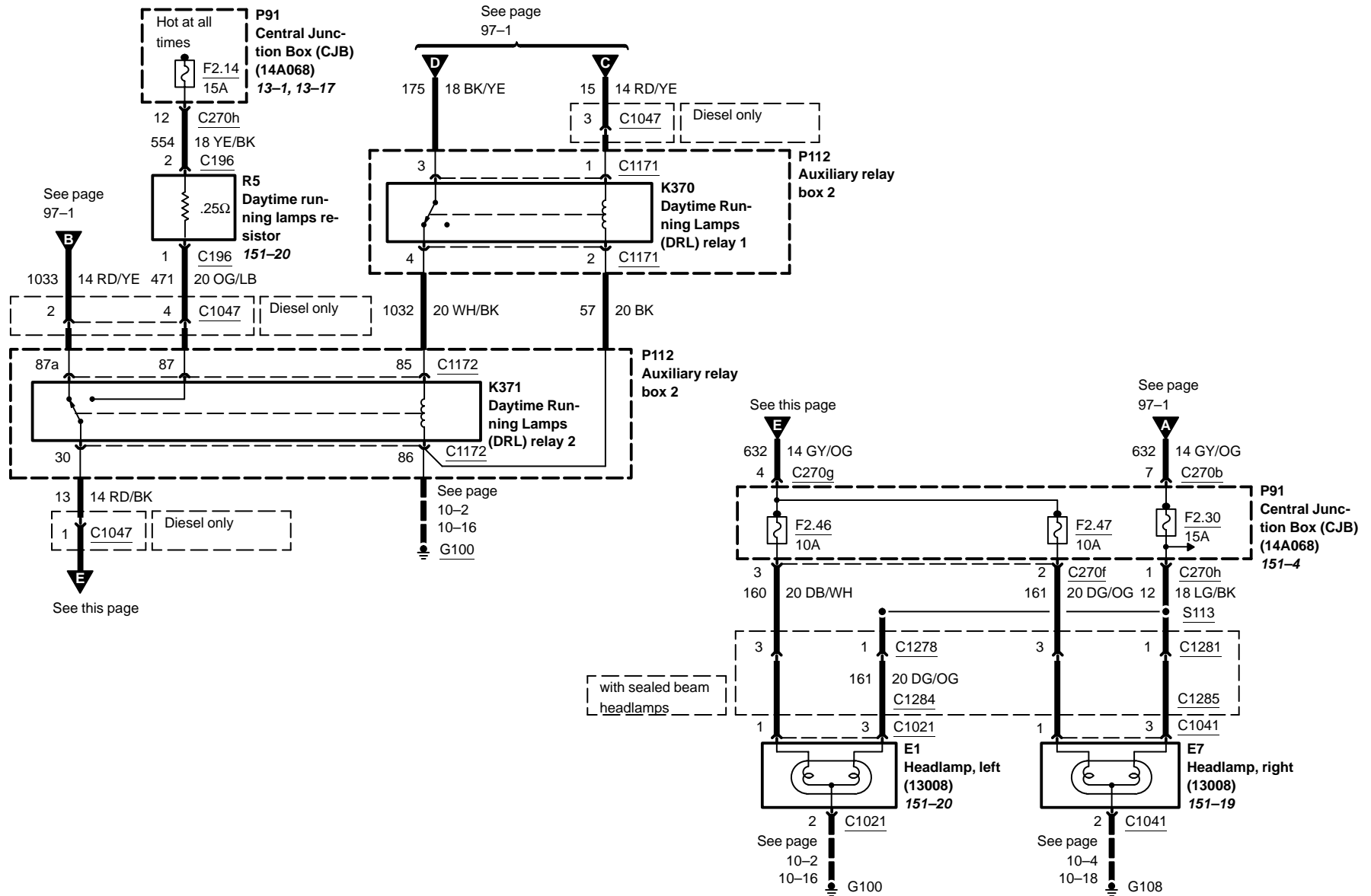




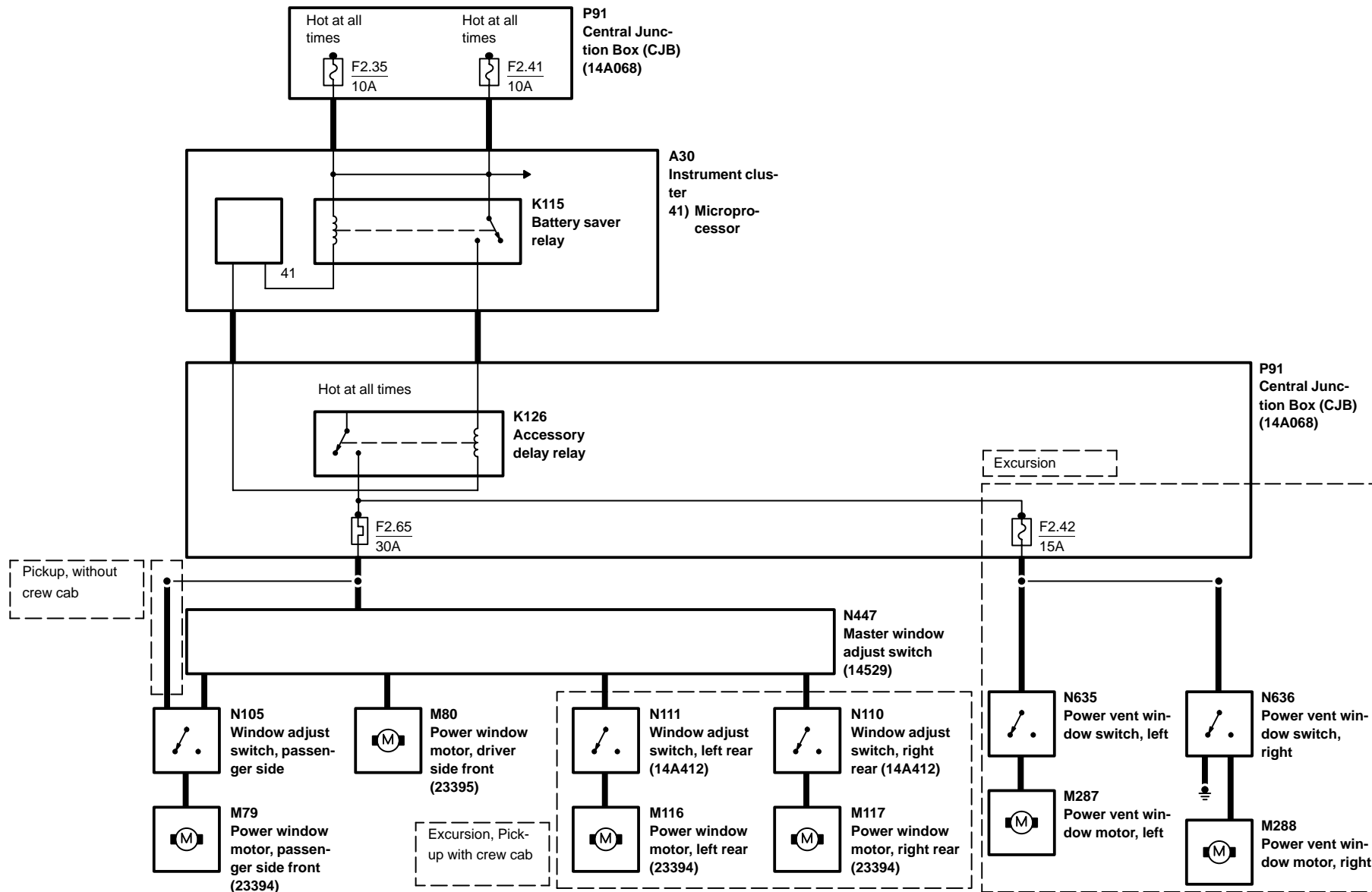


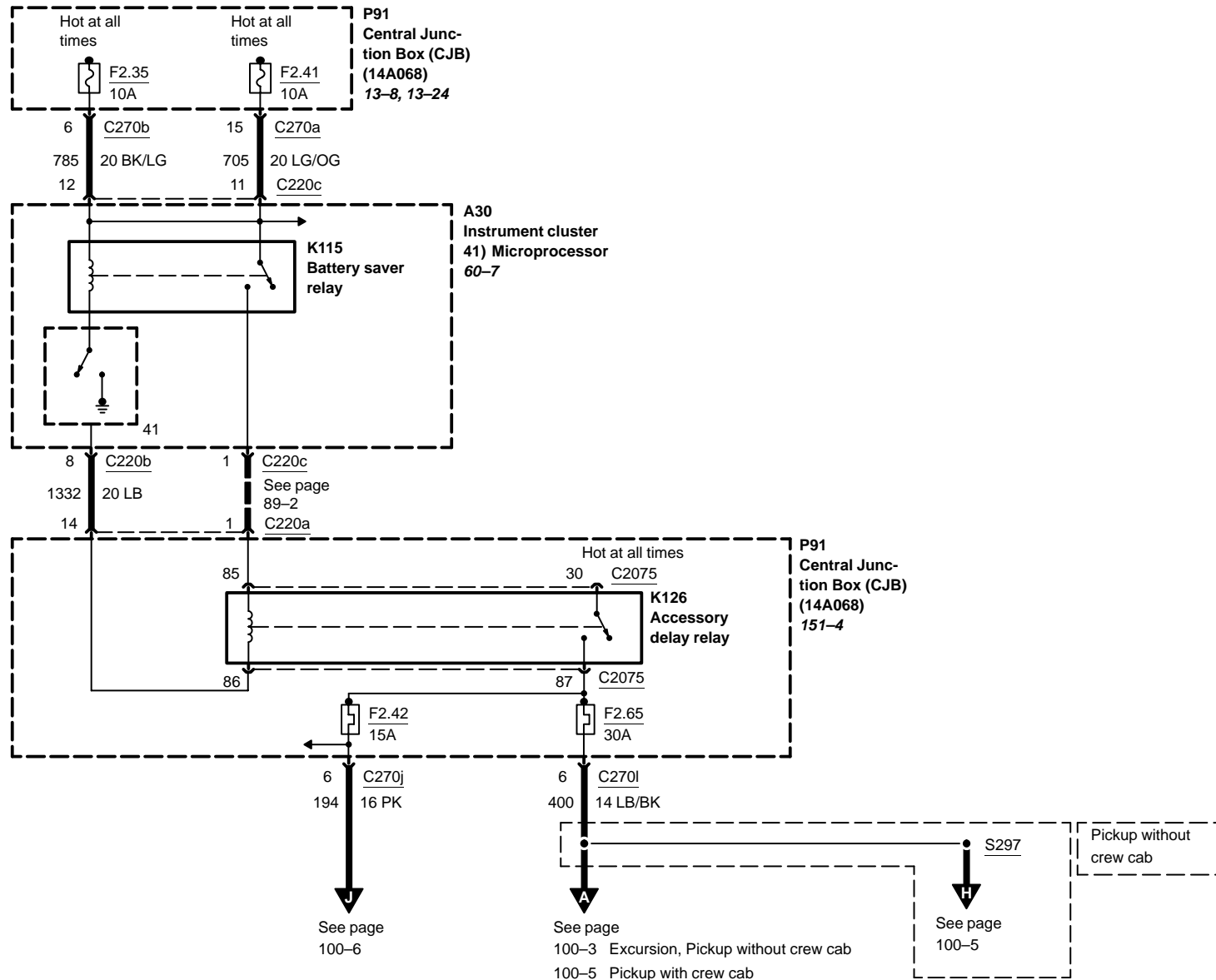
97-1 Daytime Running Lamps



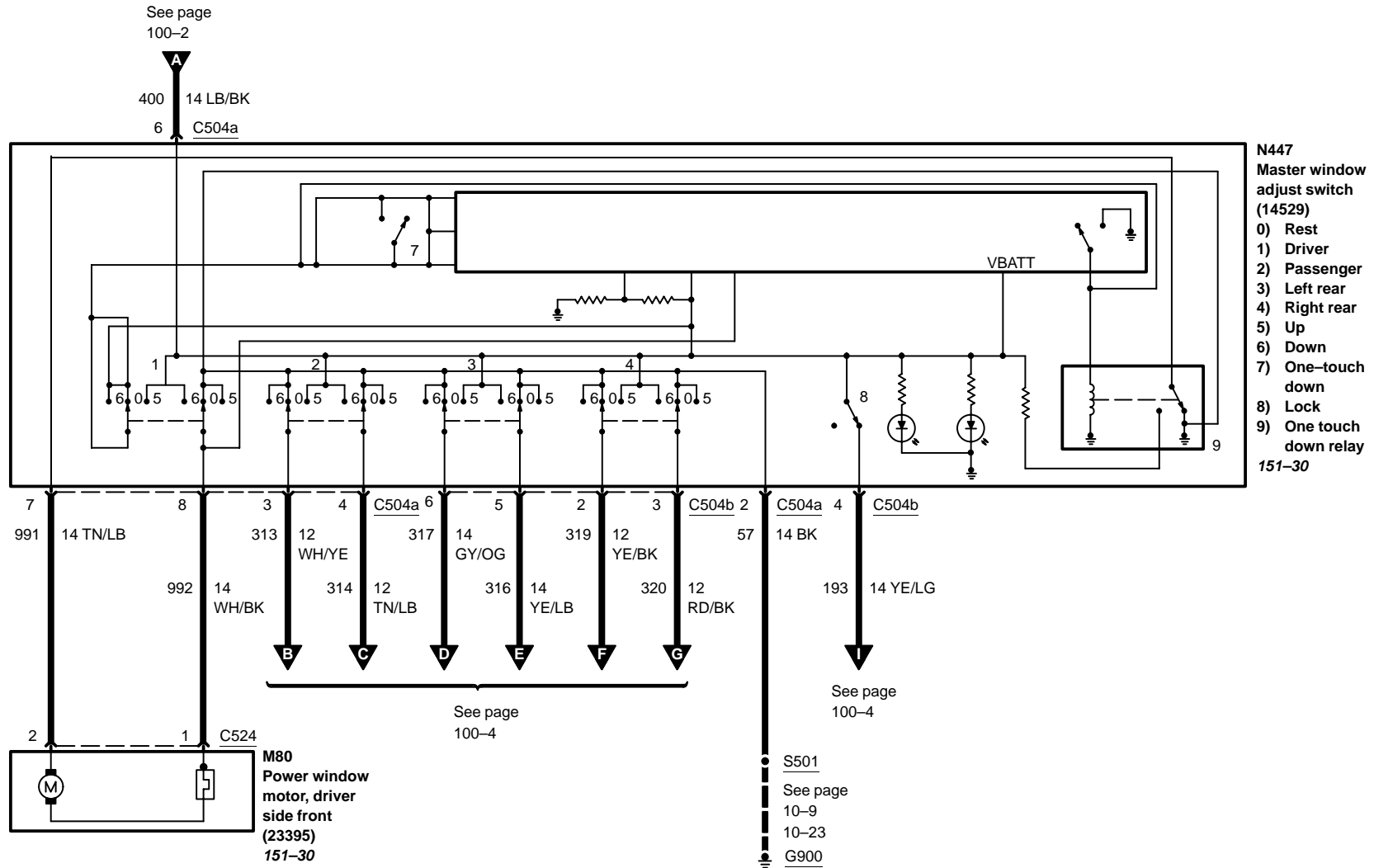


System overview



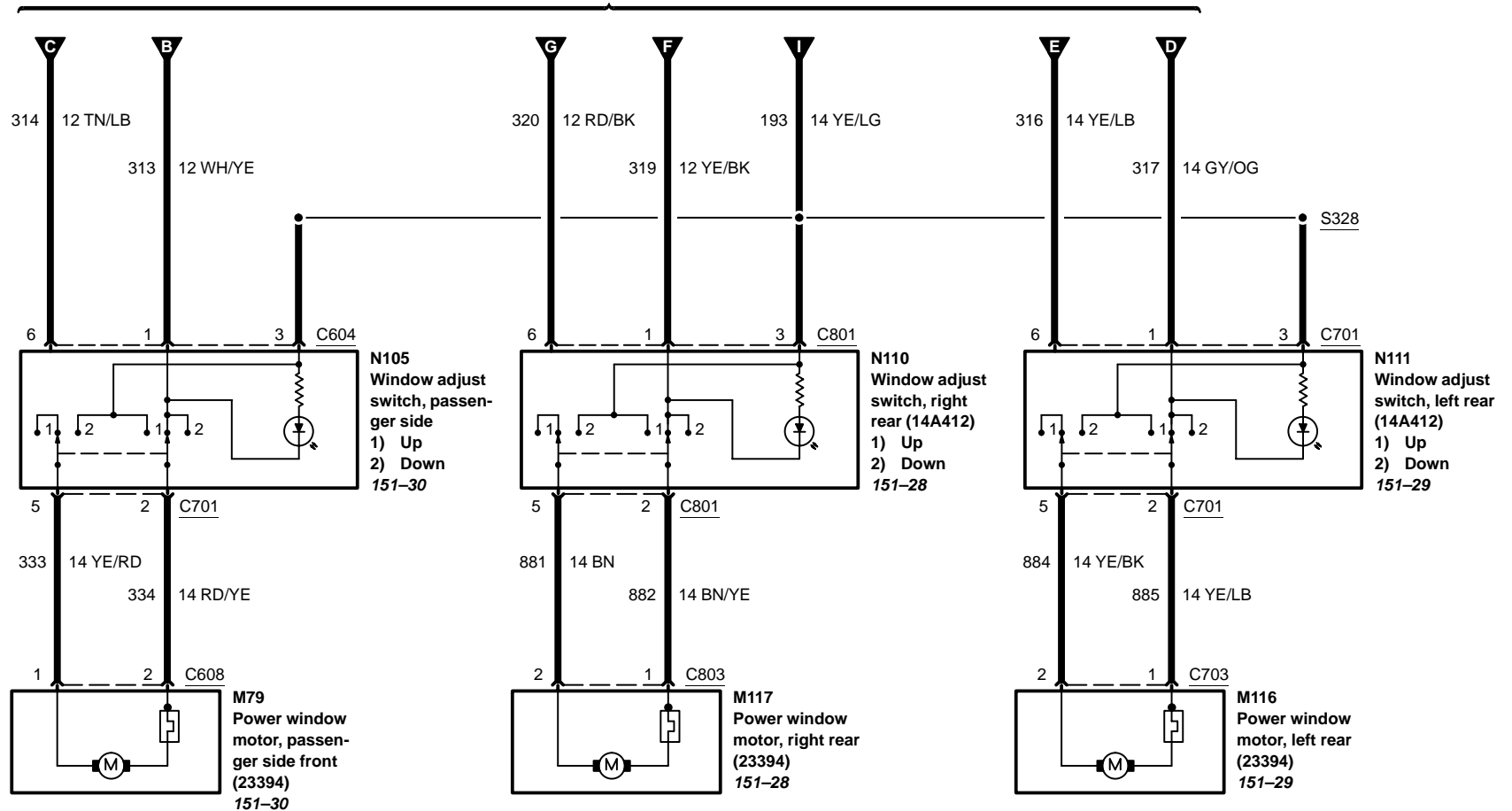


Excursion, Pickup with crew cab

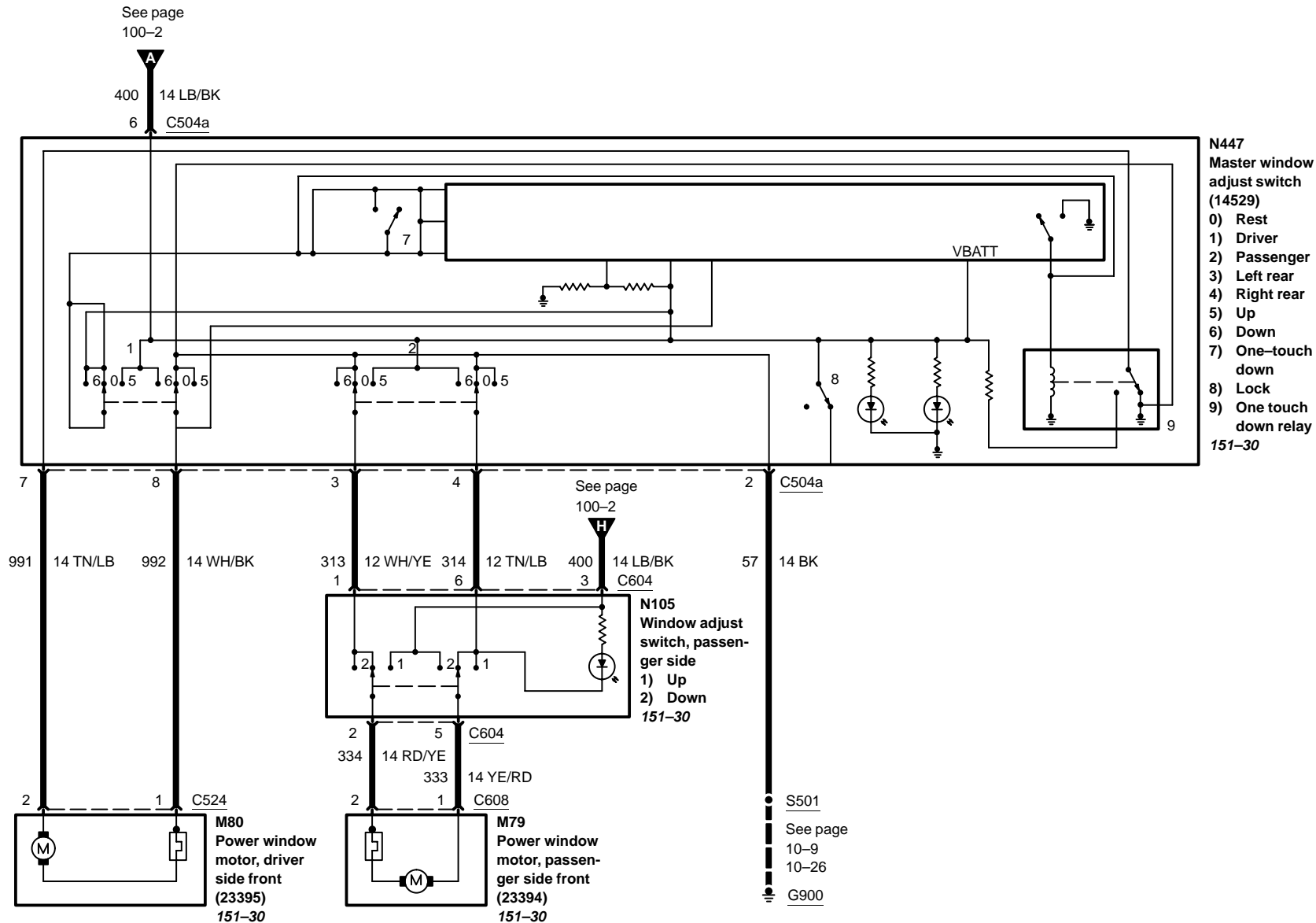


Excursion, Pickup with crew cab

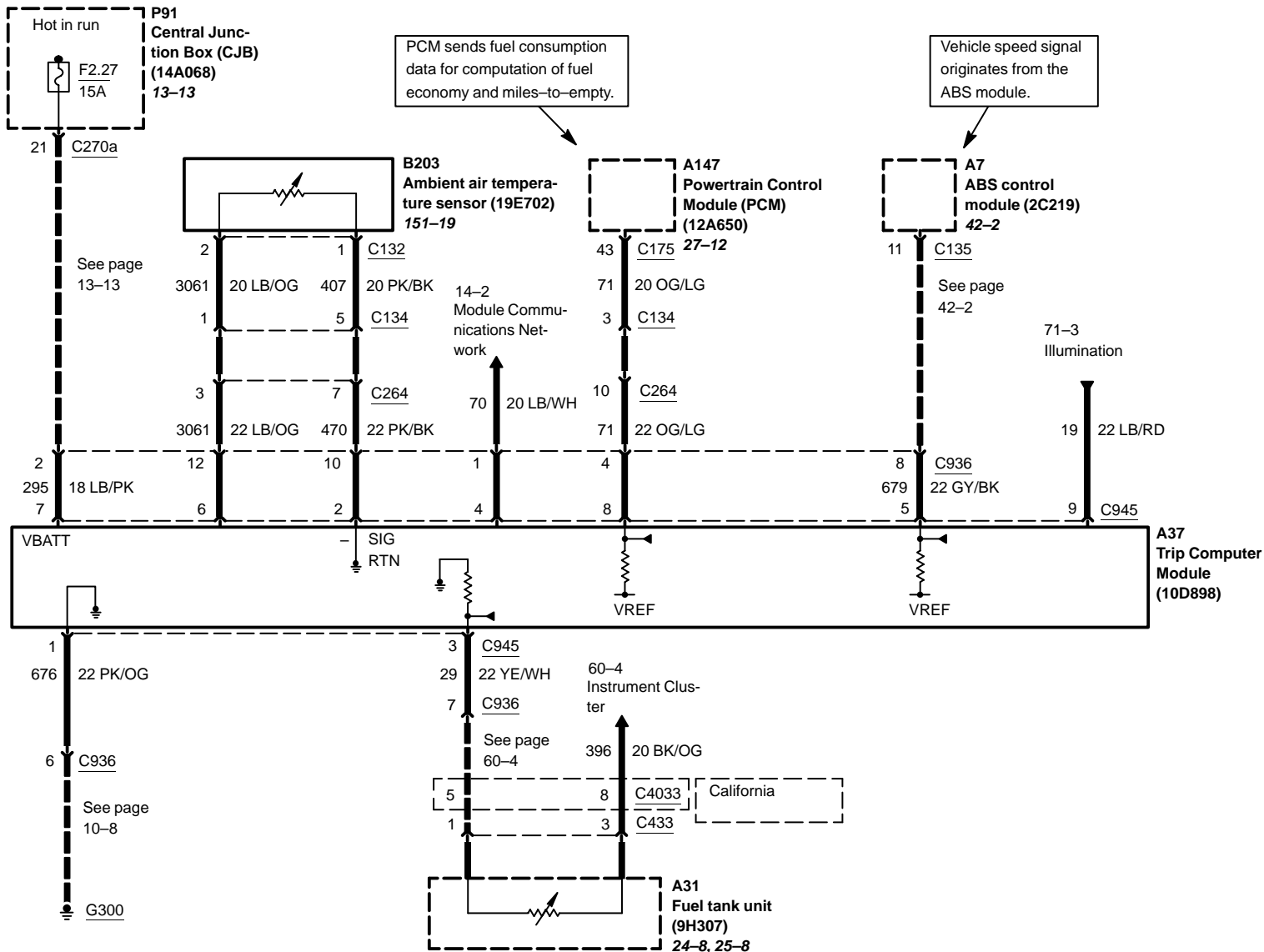
See page
100-3



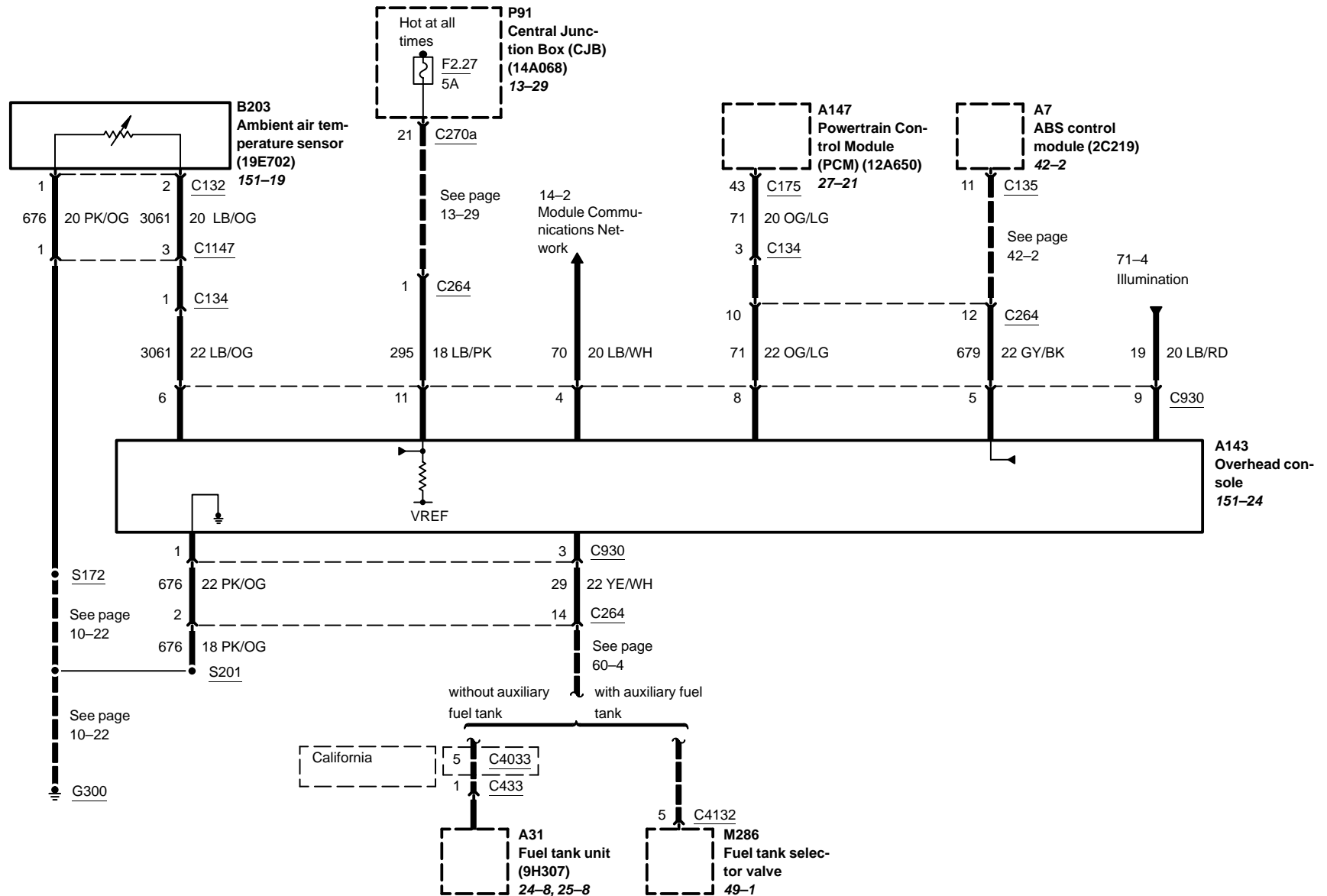
Pickup without crew cab



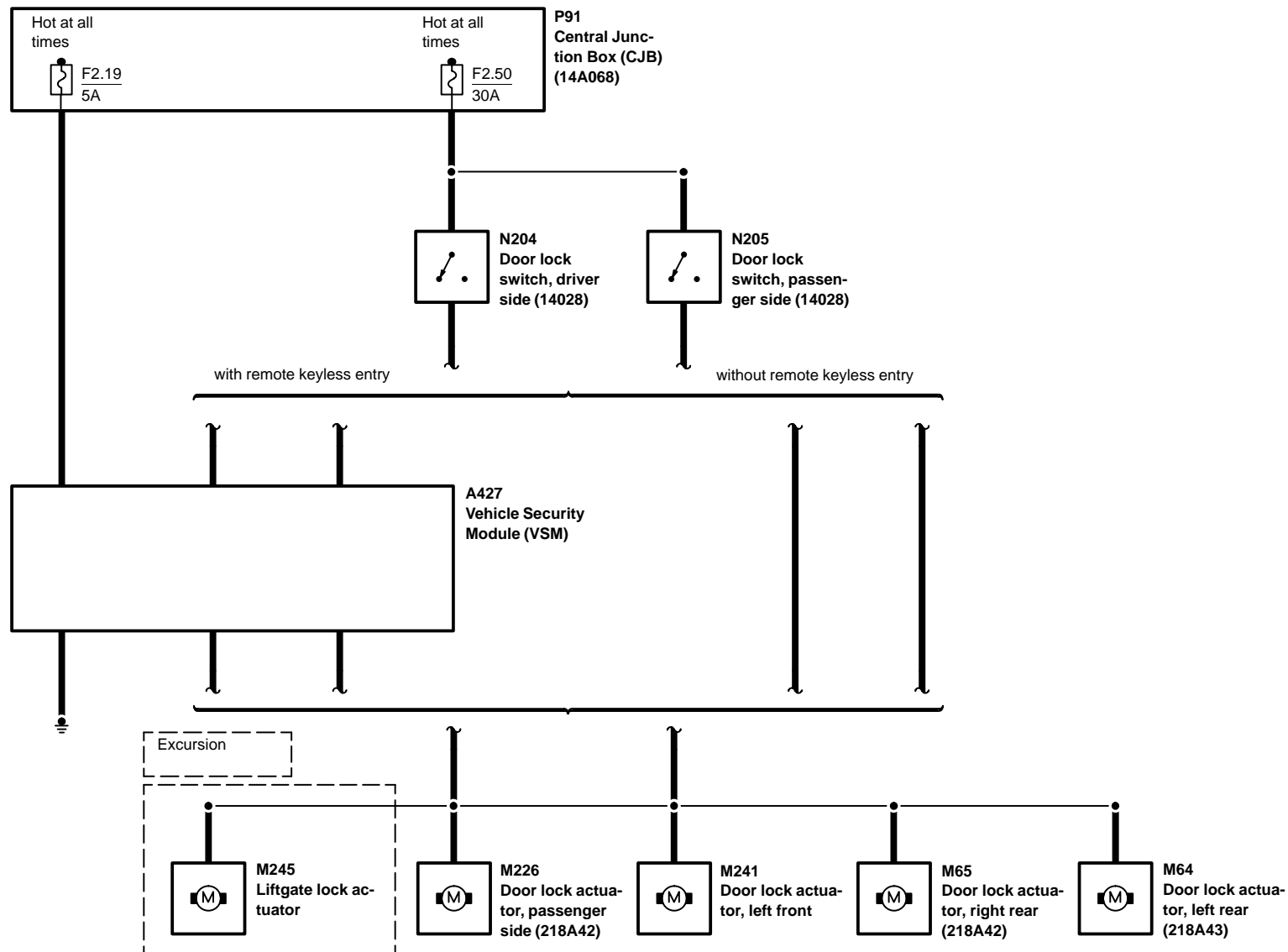
Excursion



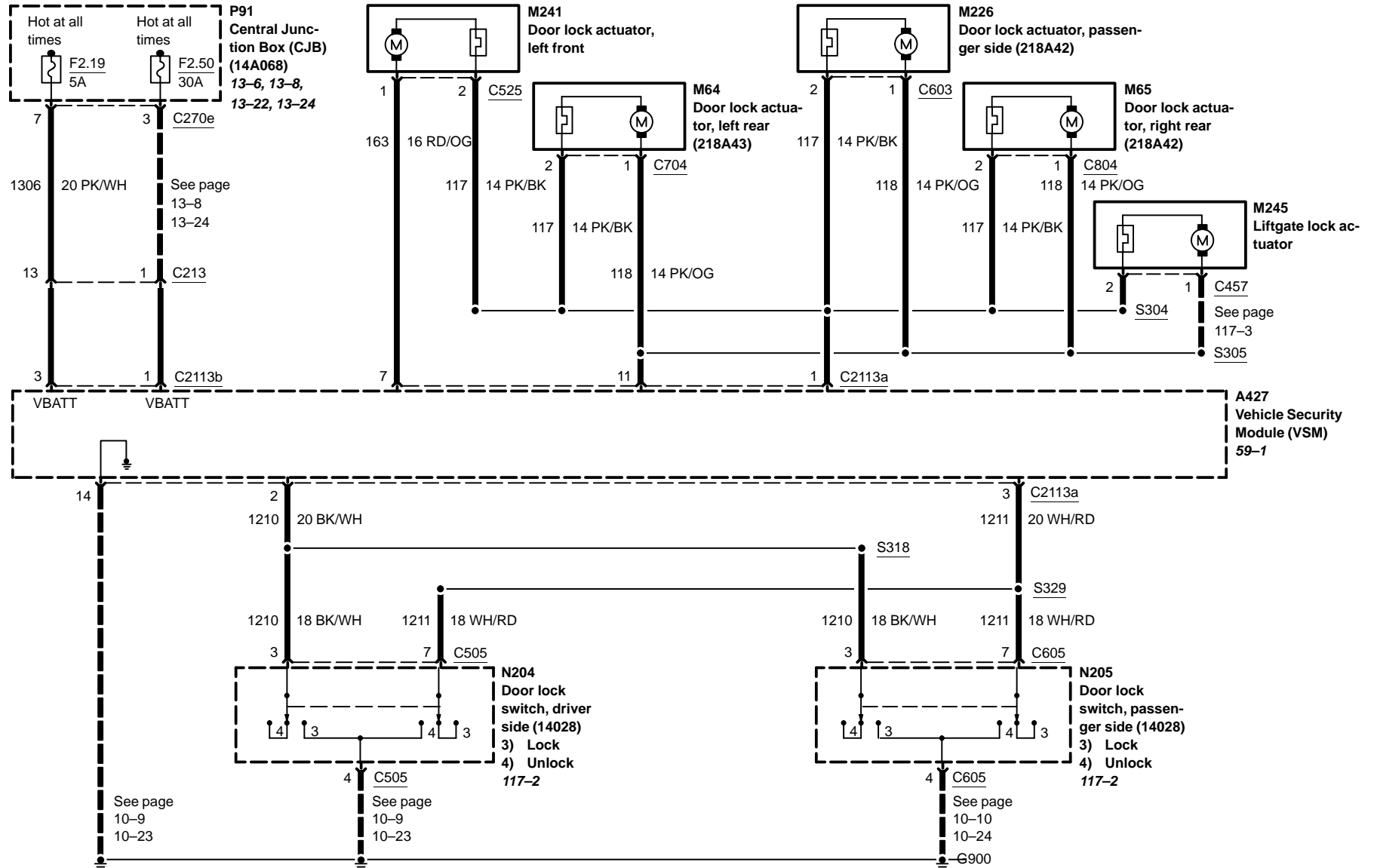
Pickup



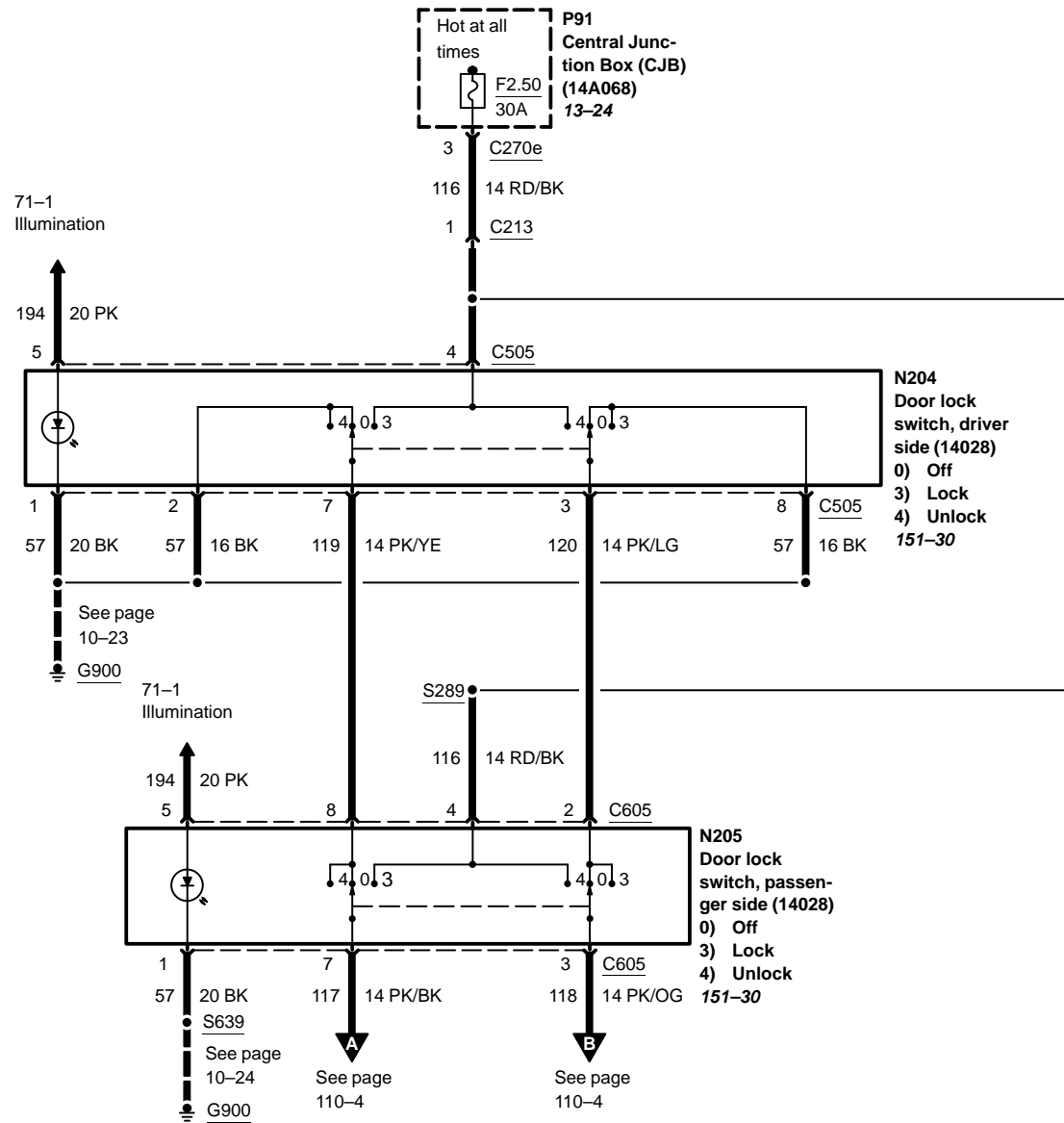
System overview

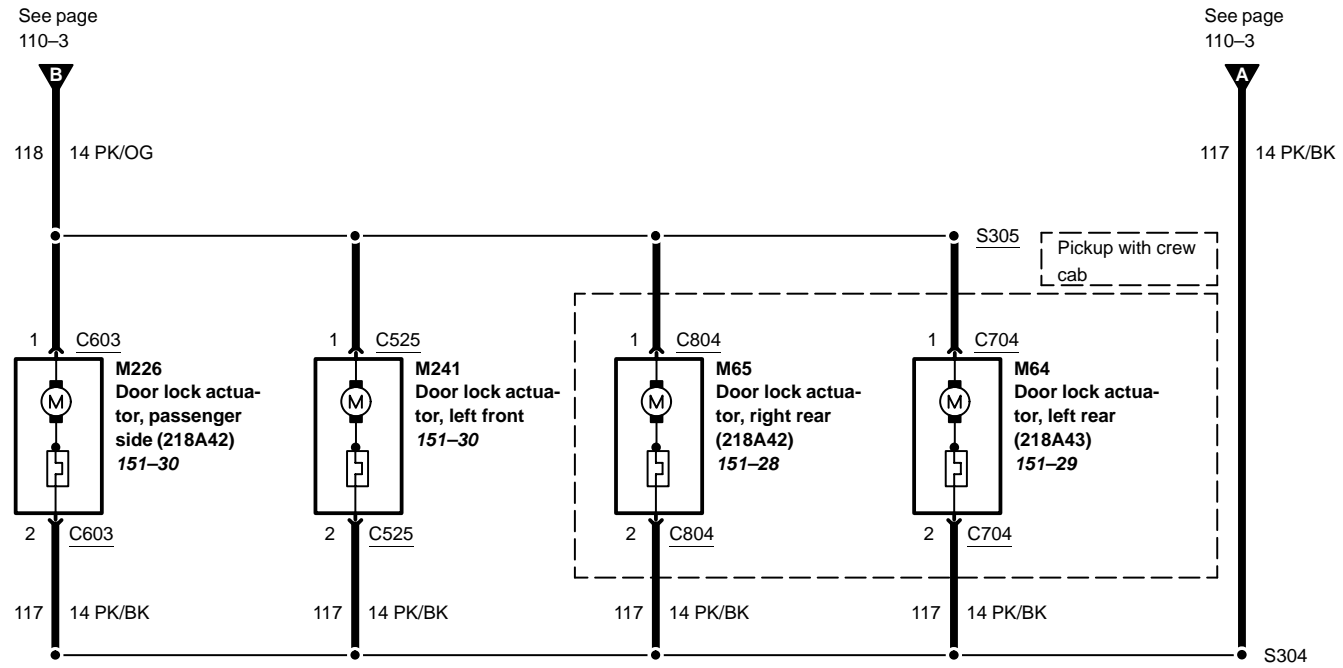


with remote keyless entry

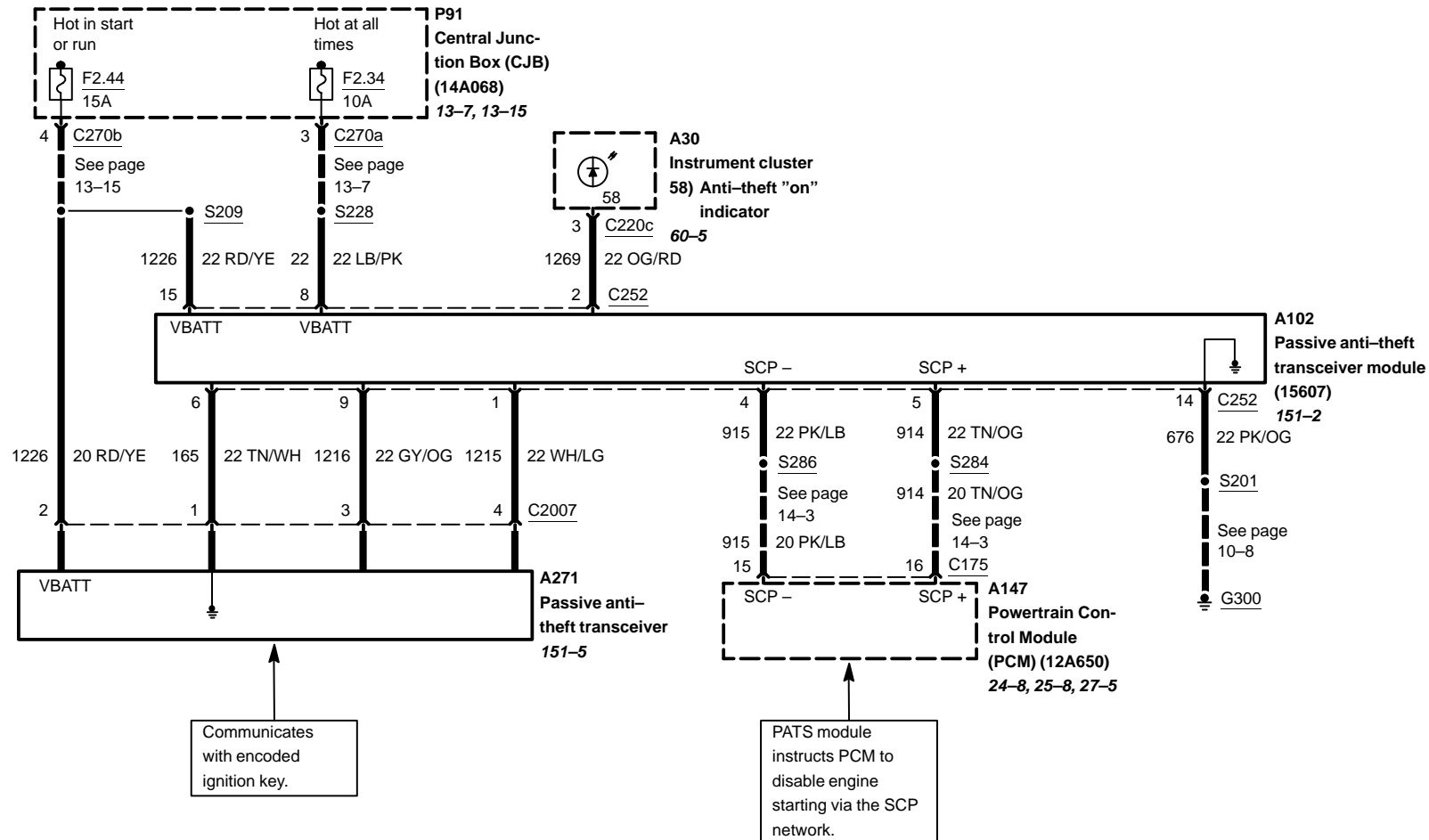


110-3 Power Door Locks

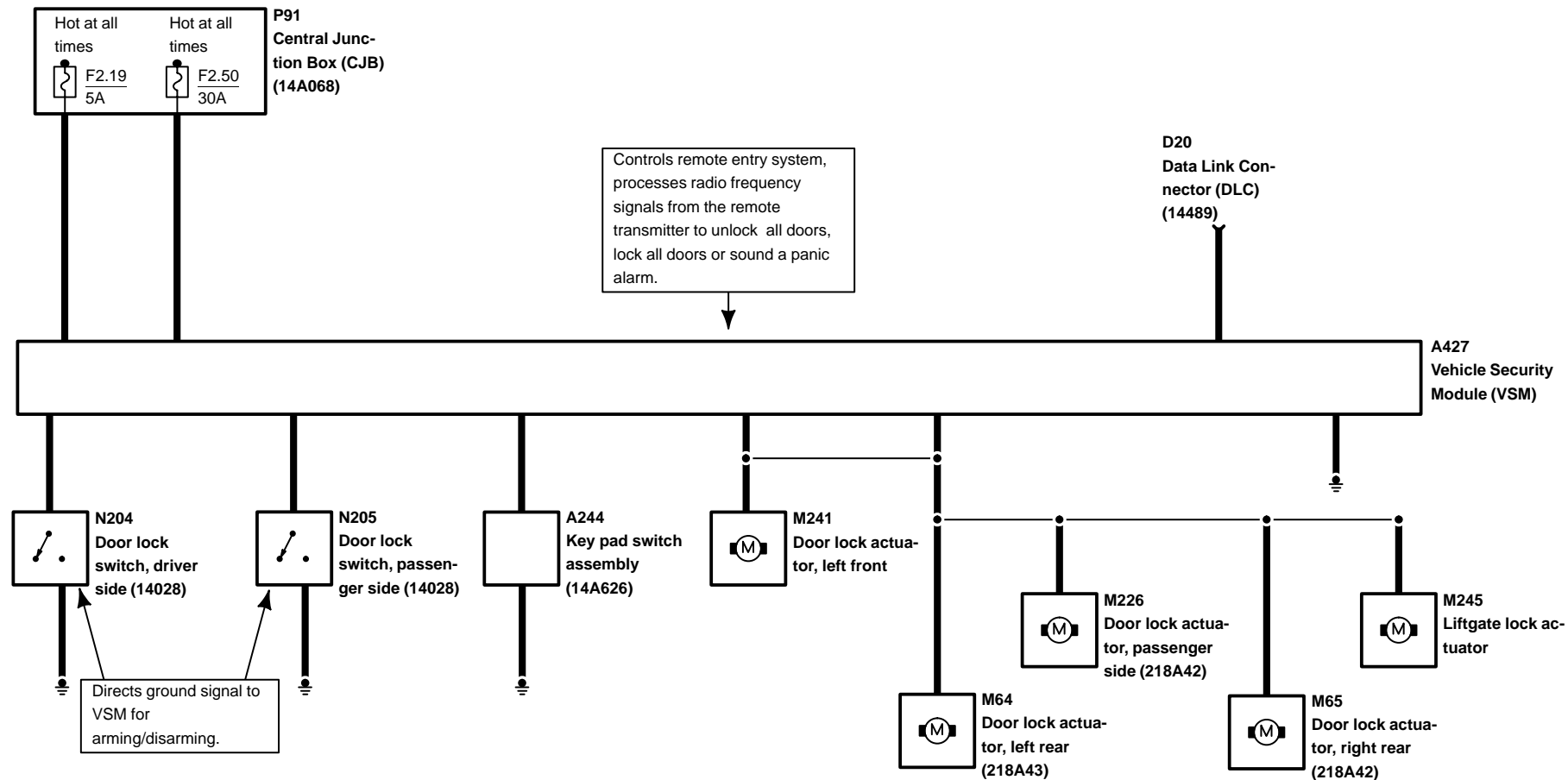


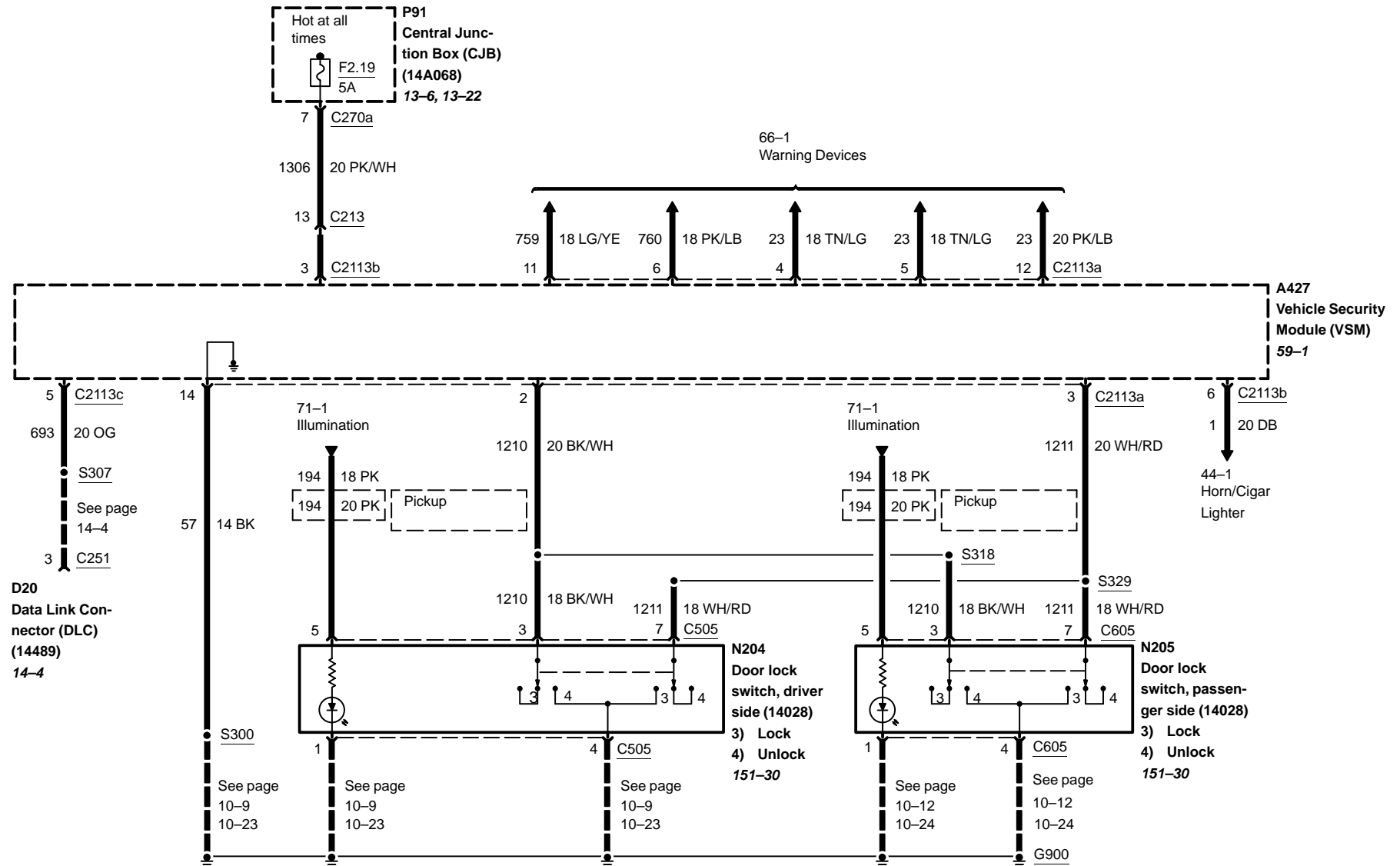


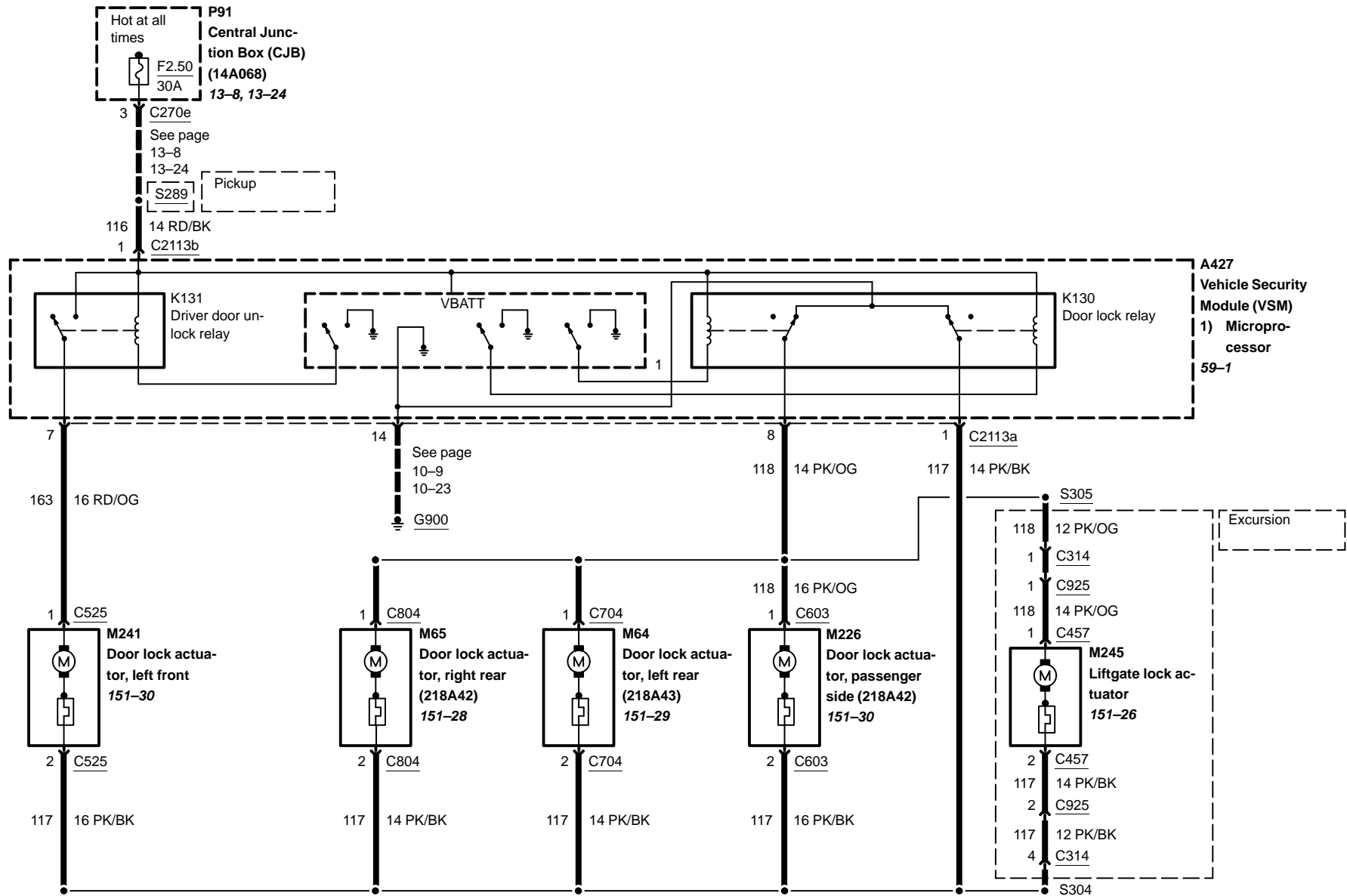
Excursion



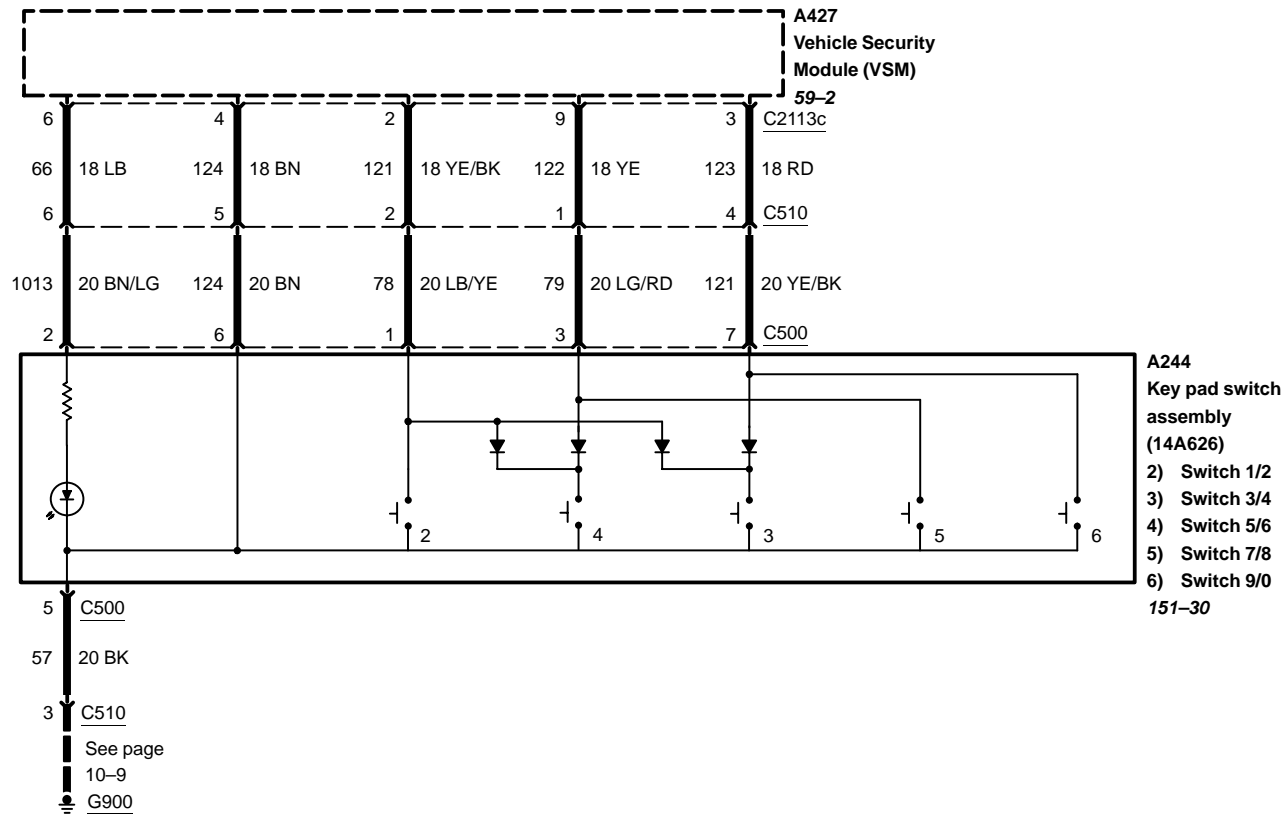
System overview

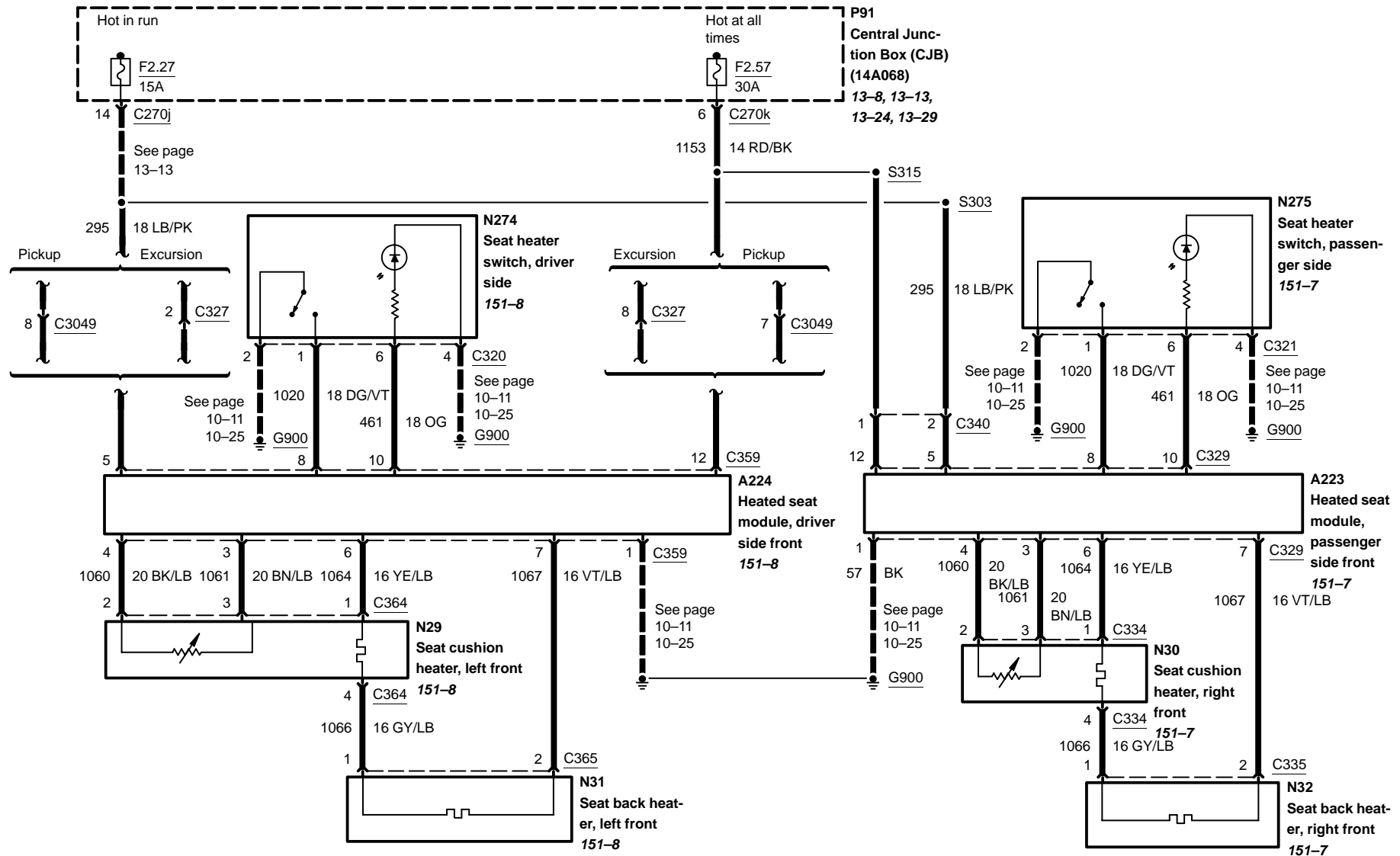




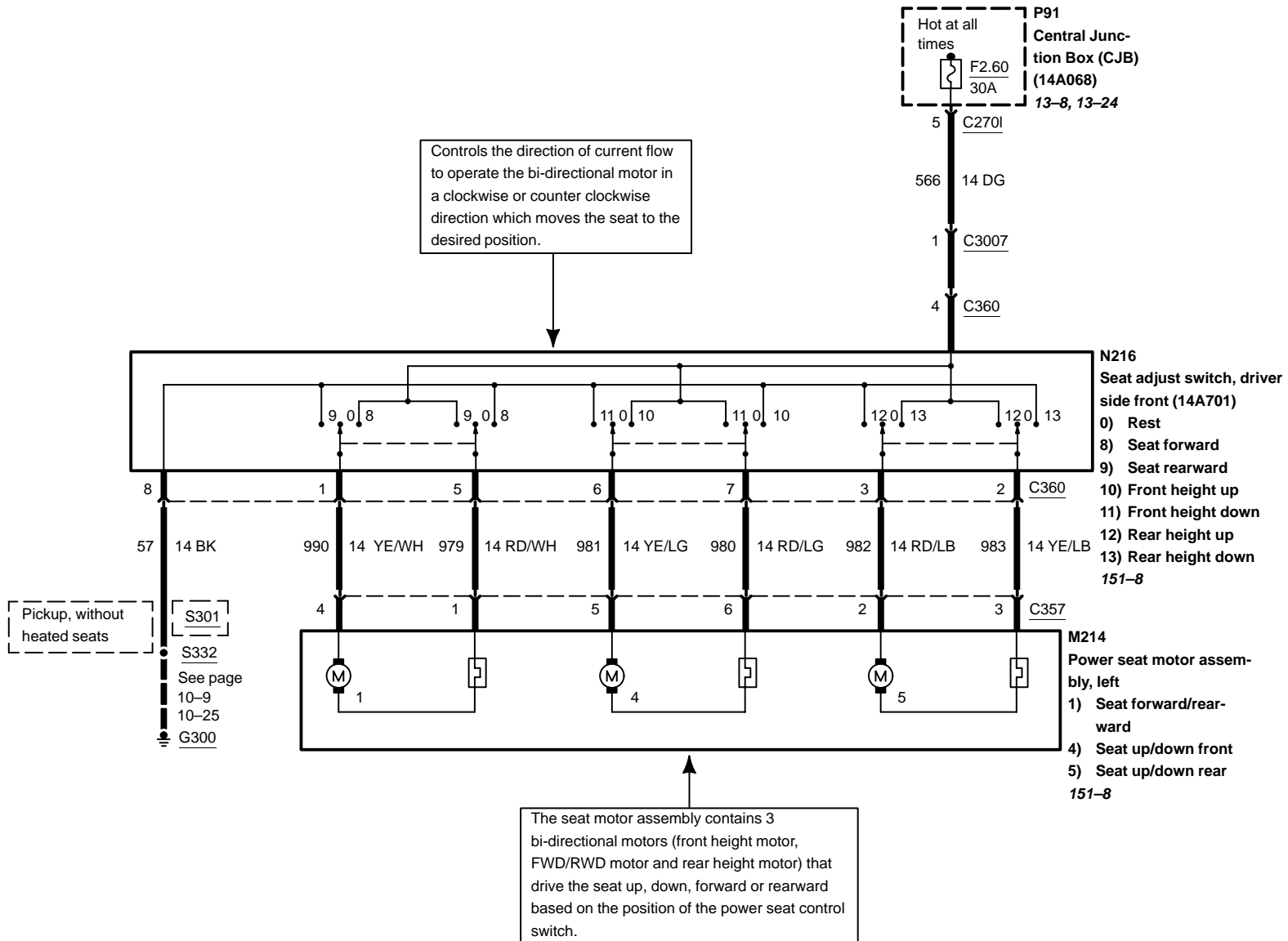


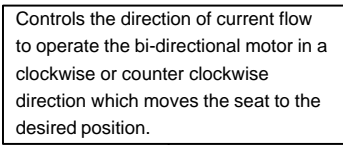
Excursion



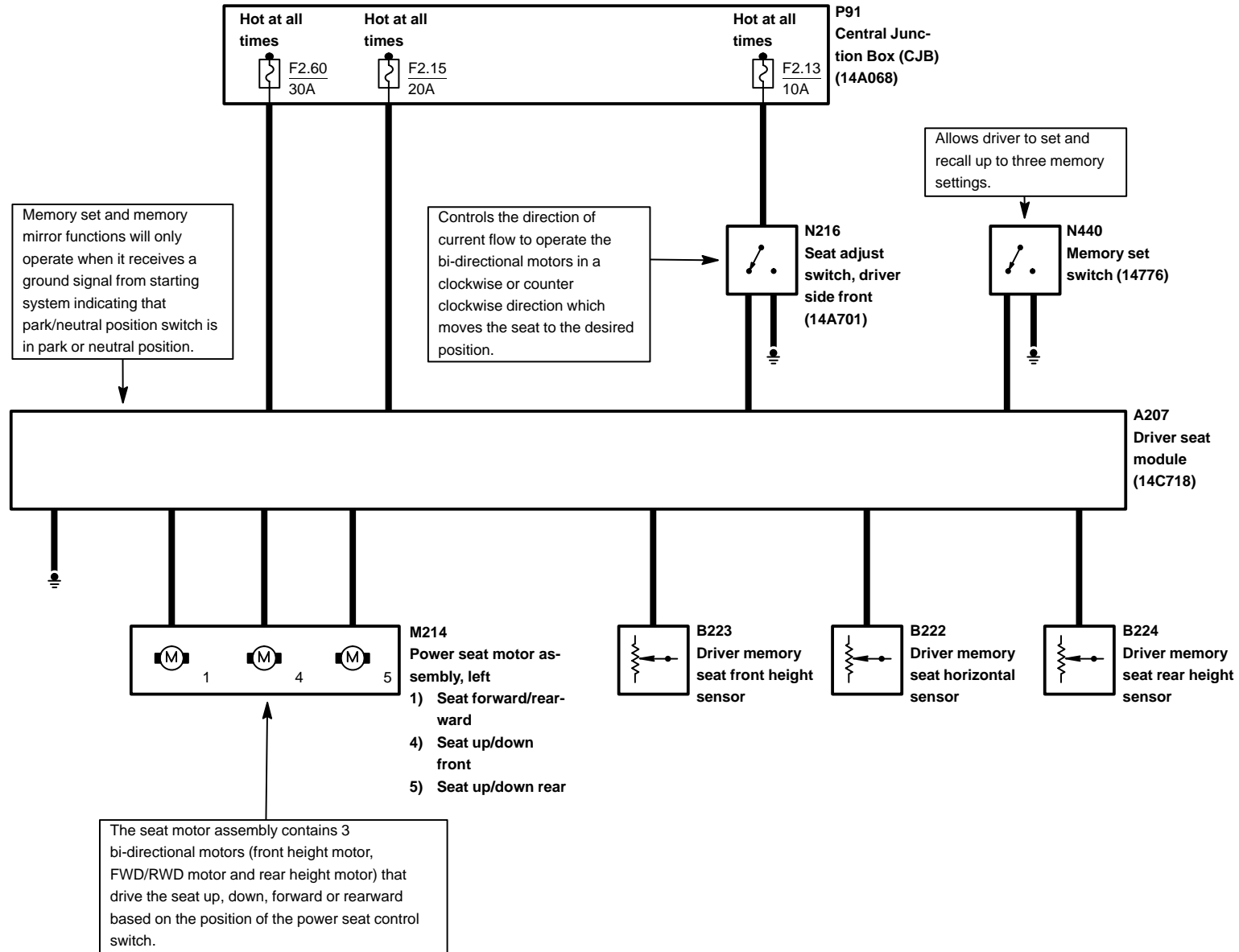


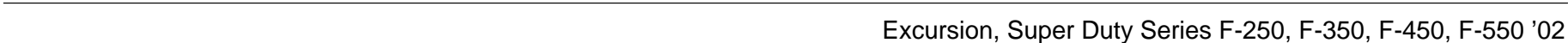
without memory

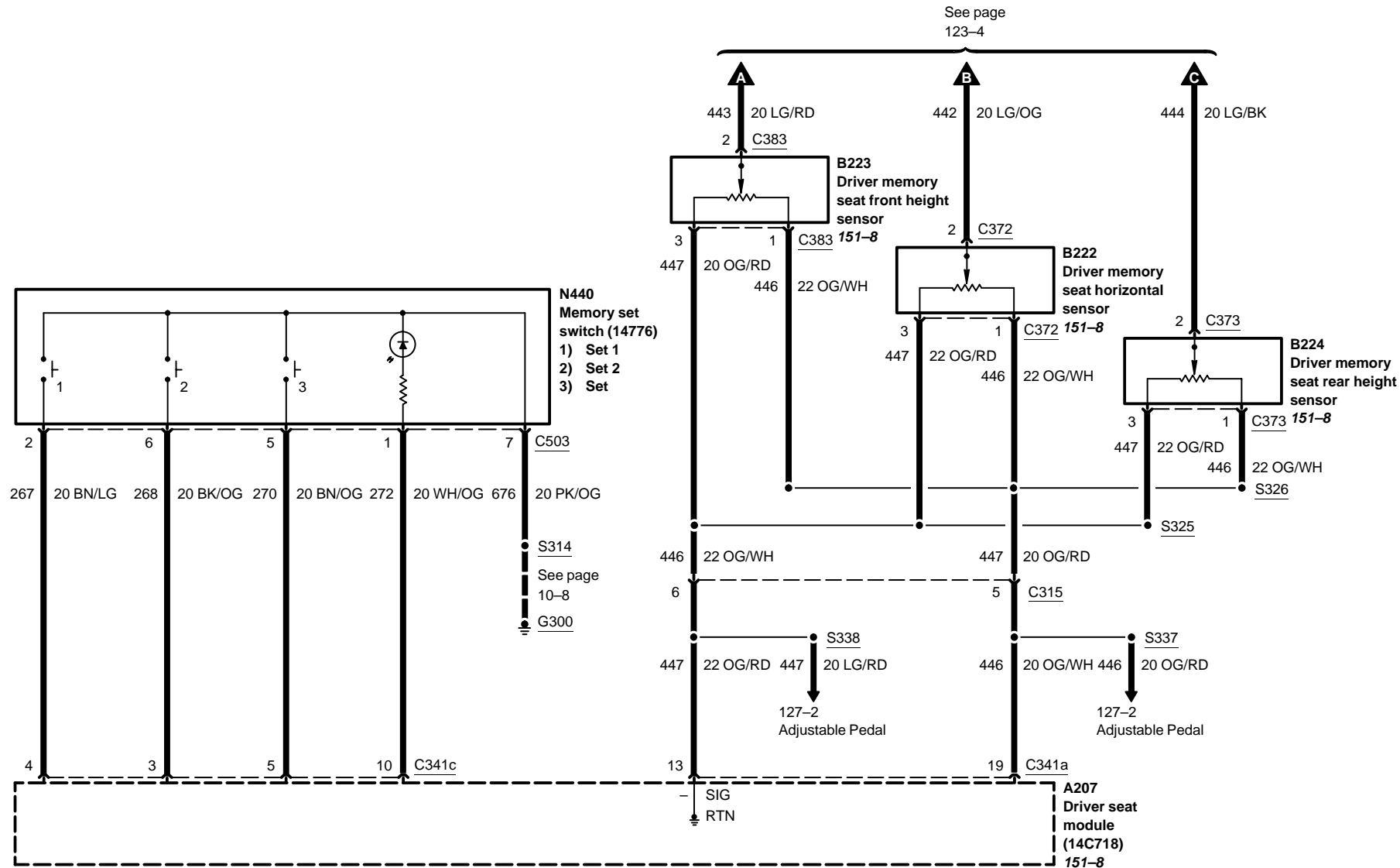




System overview

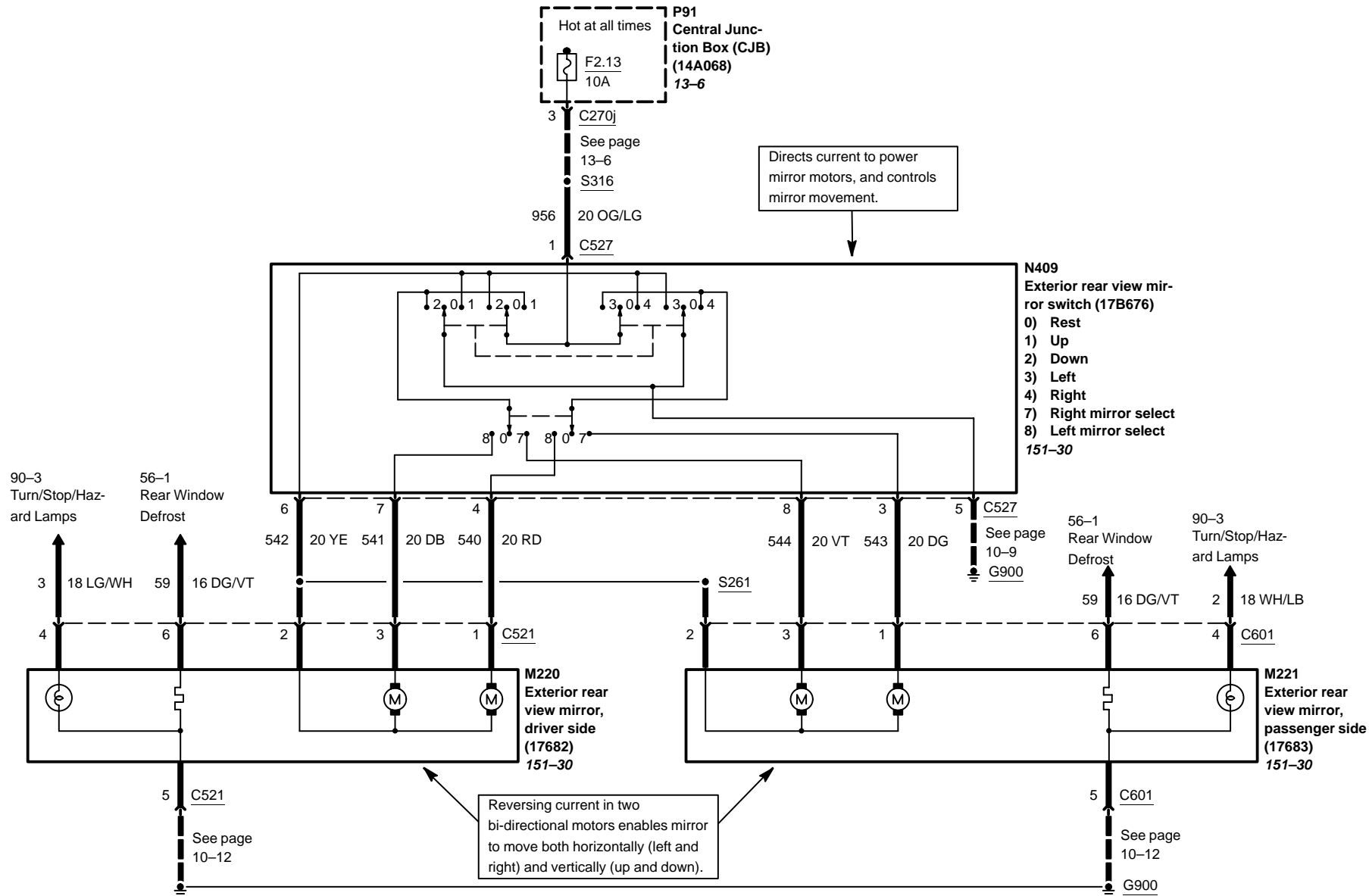




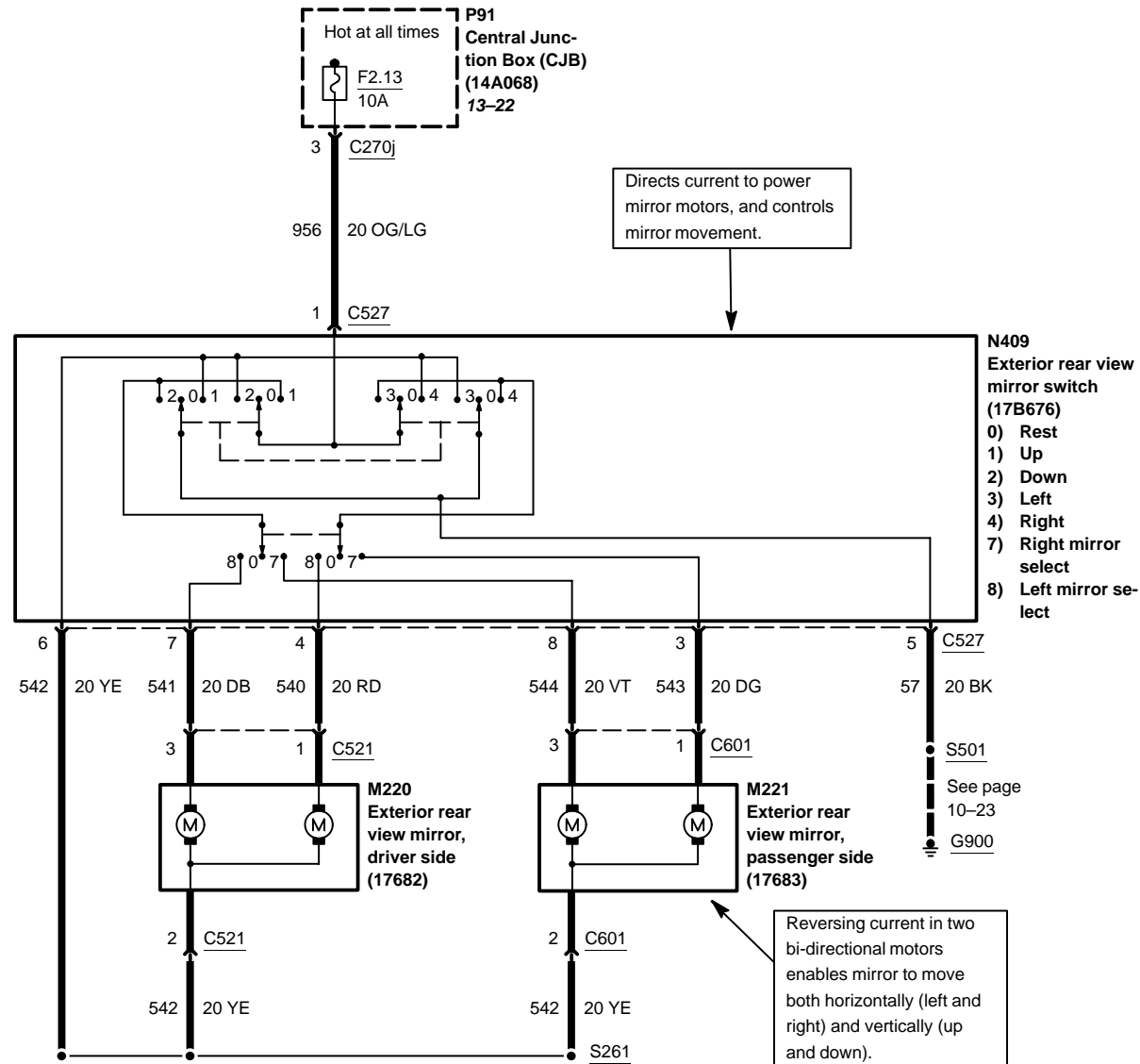


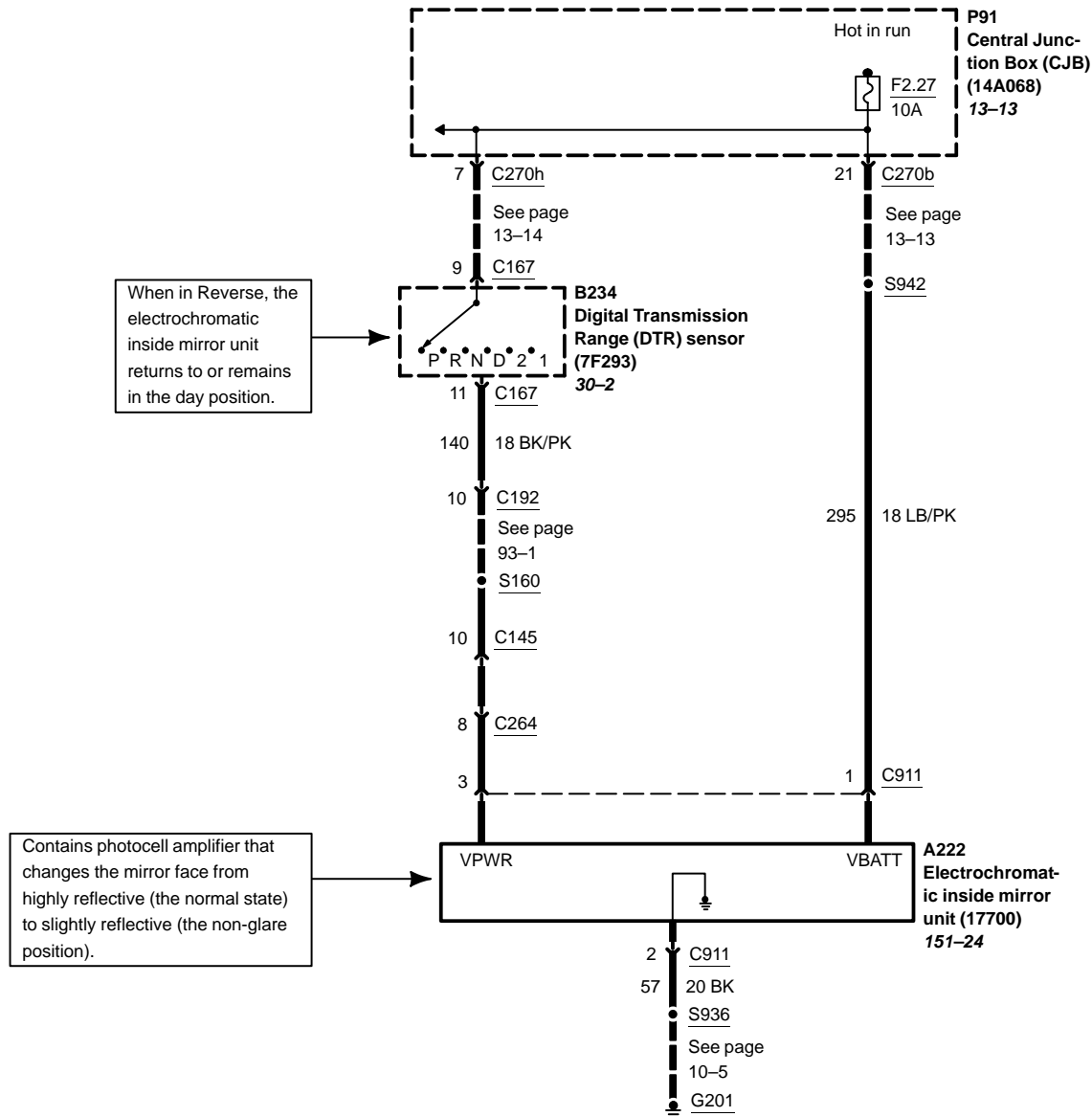


Excursion

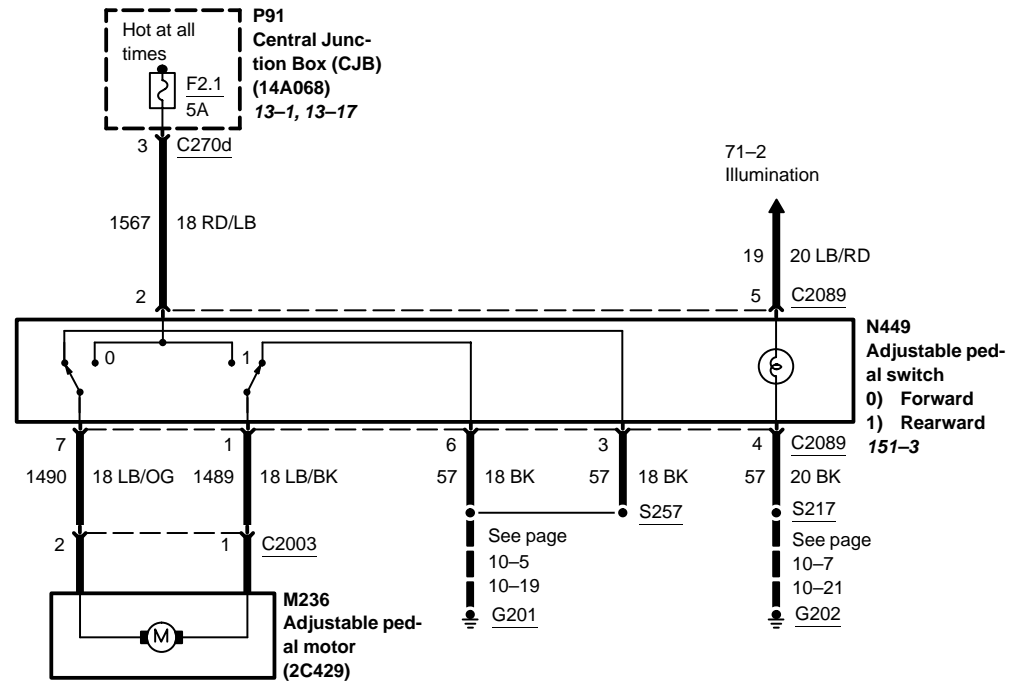


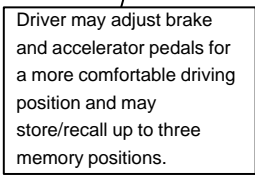
Pickup



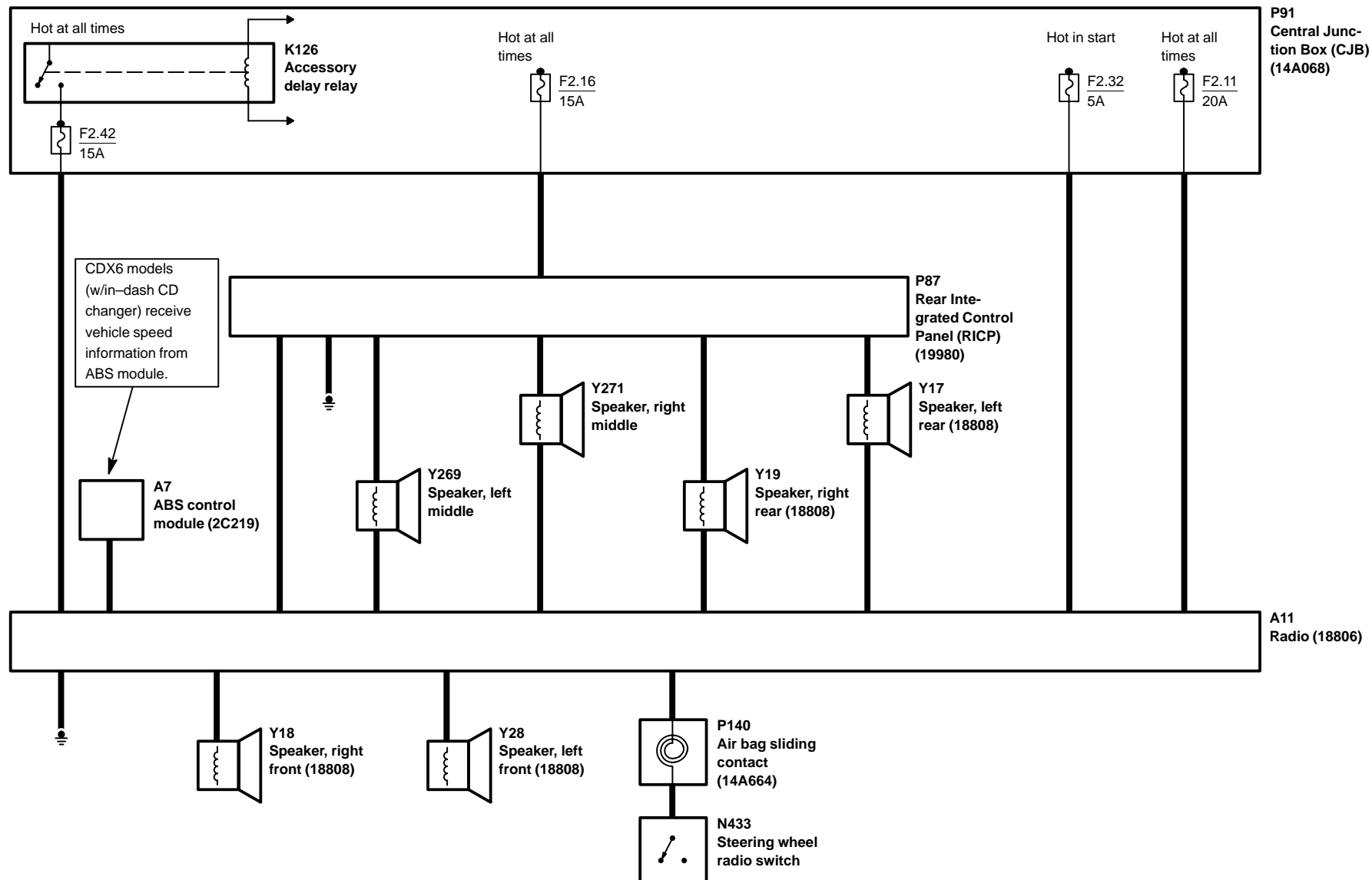


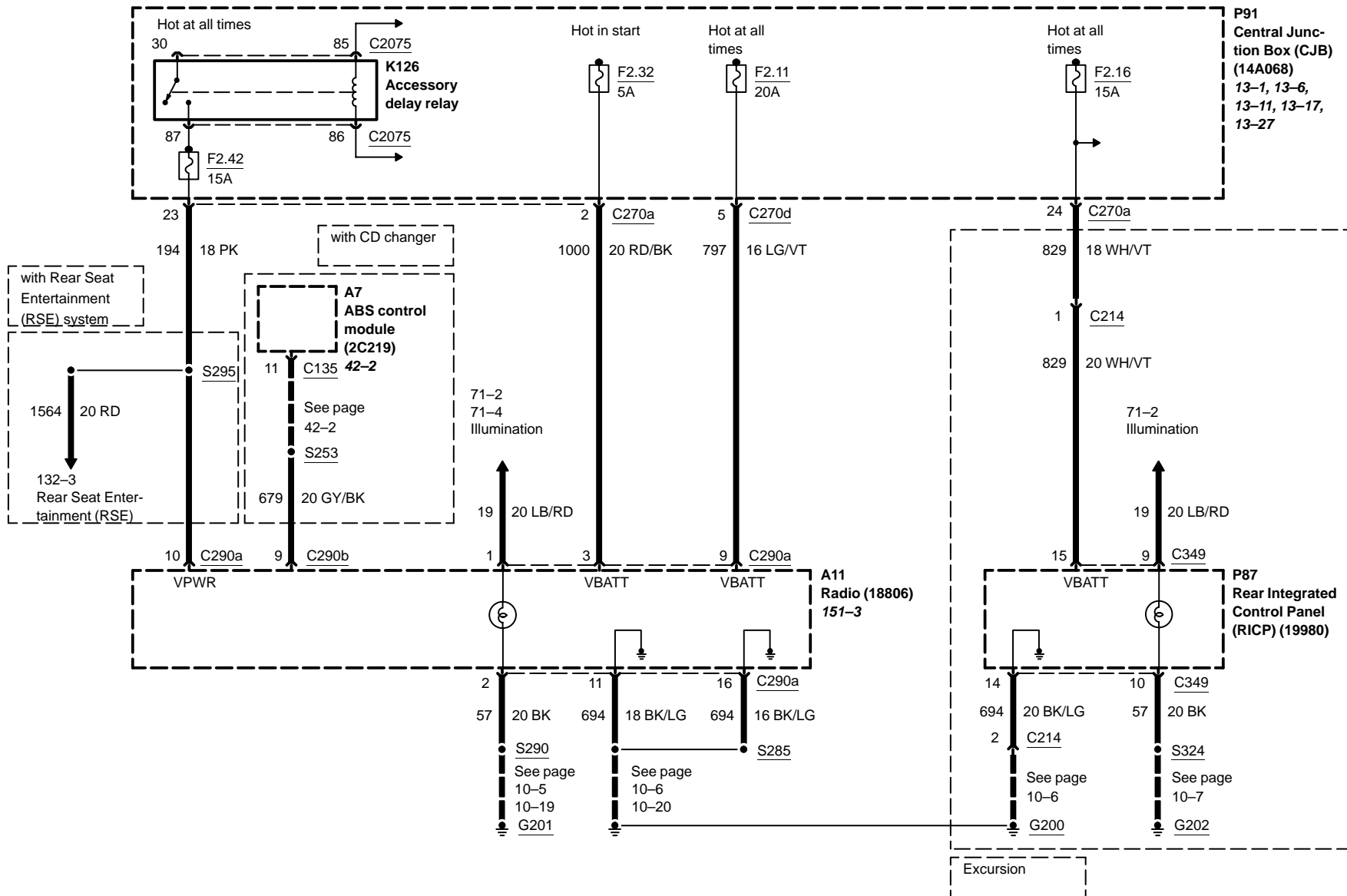
without memory



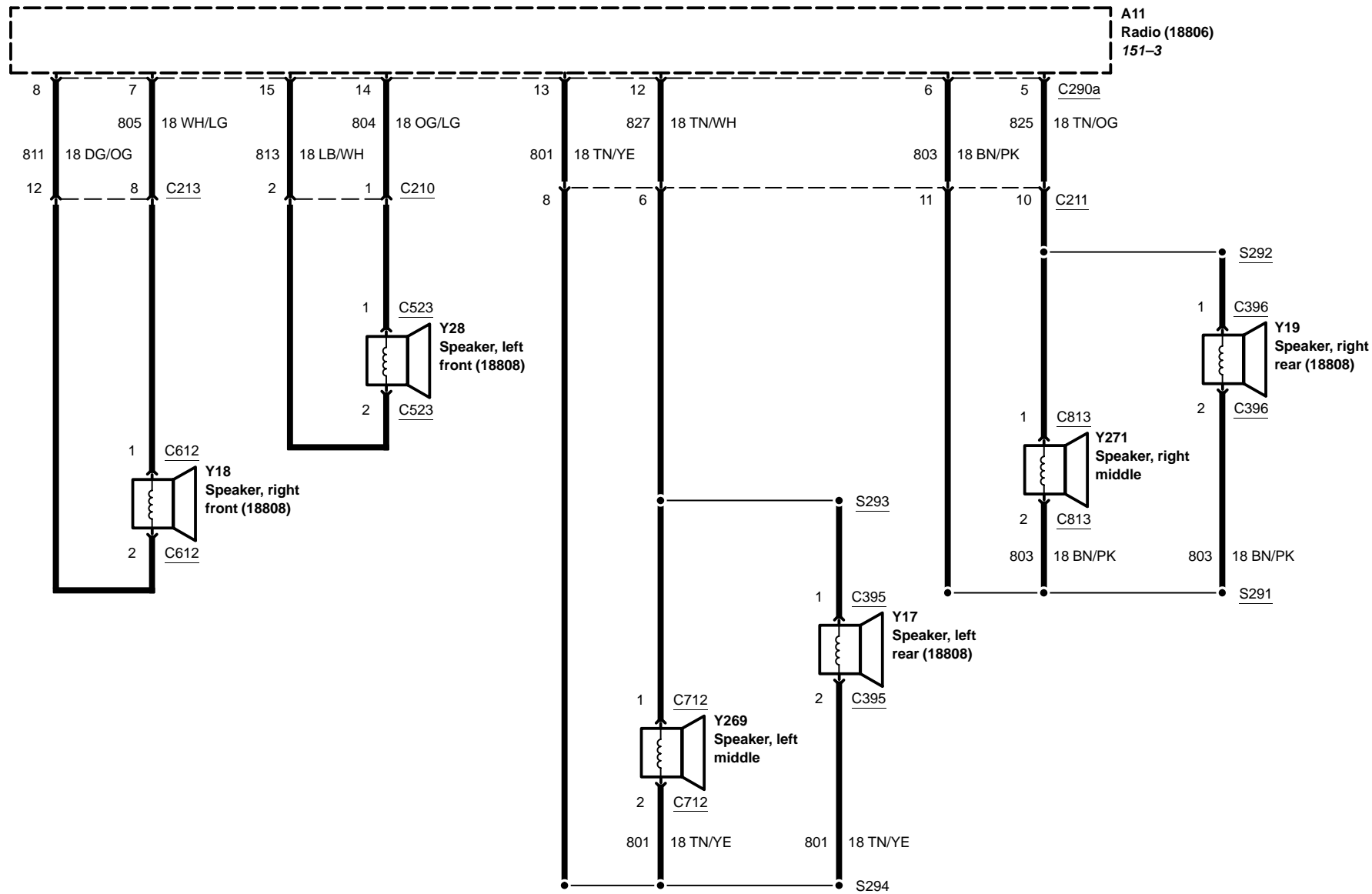


System overview

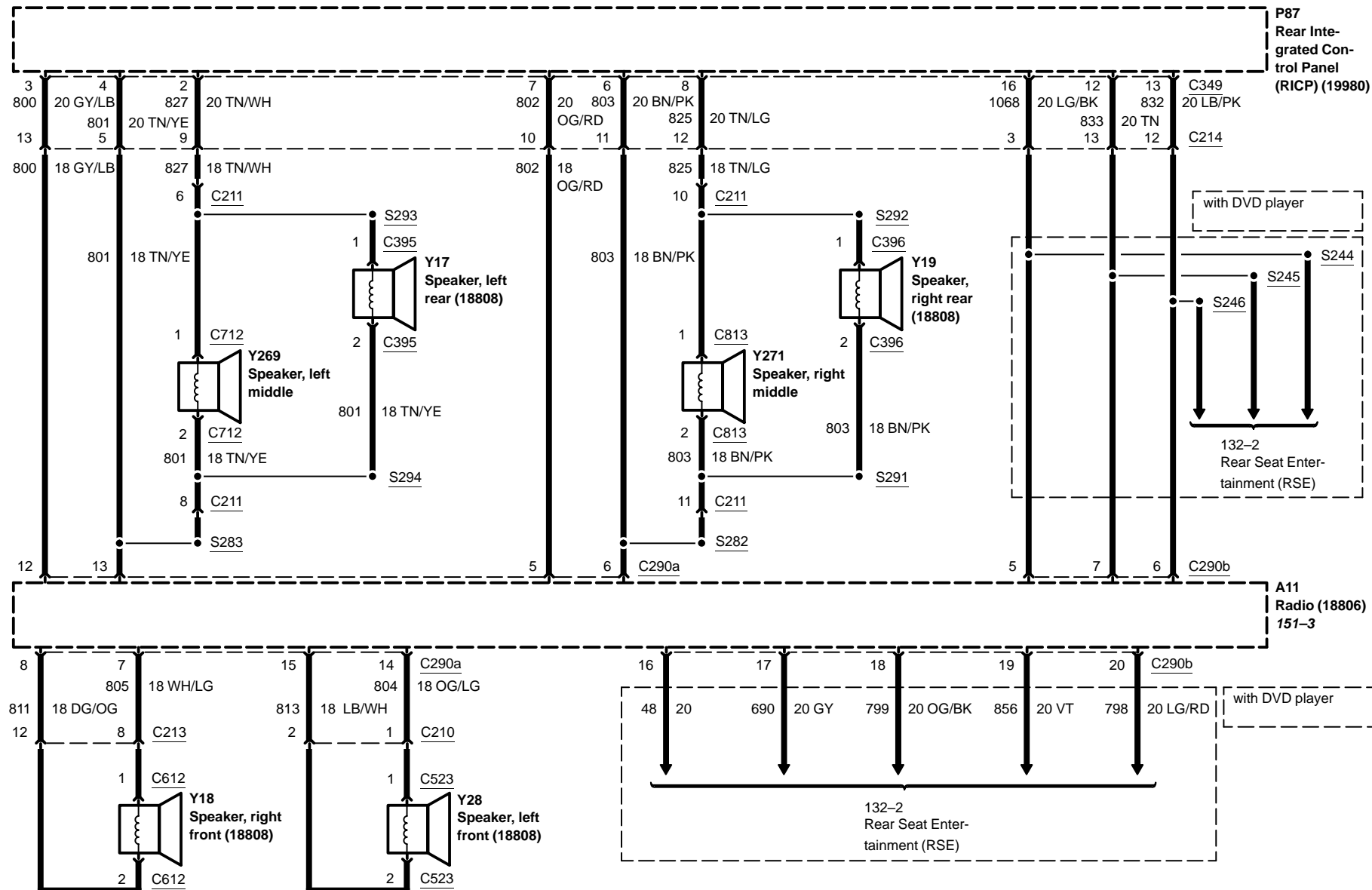




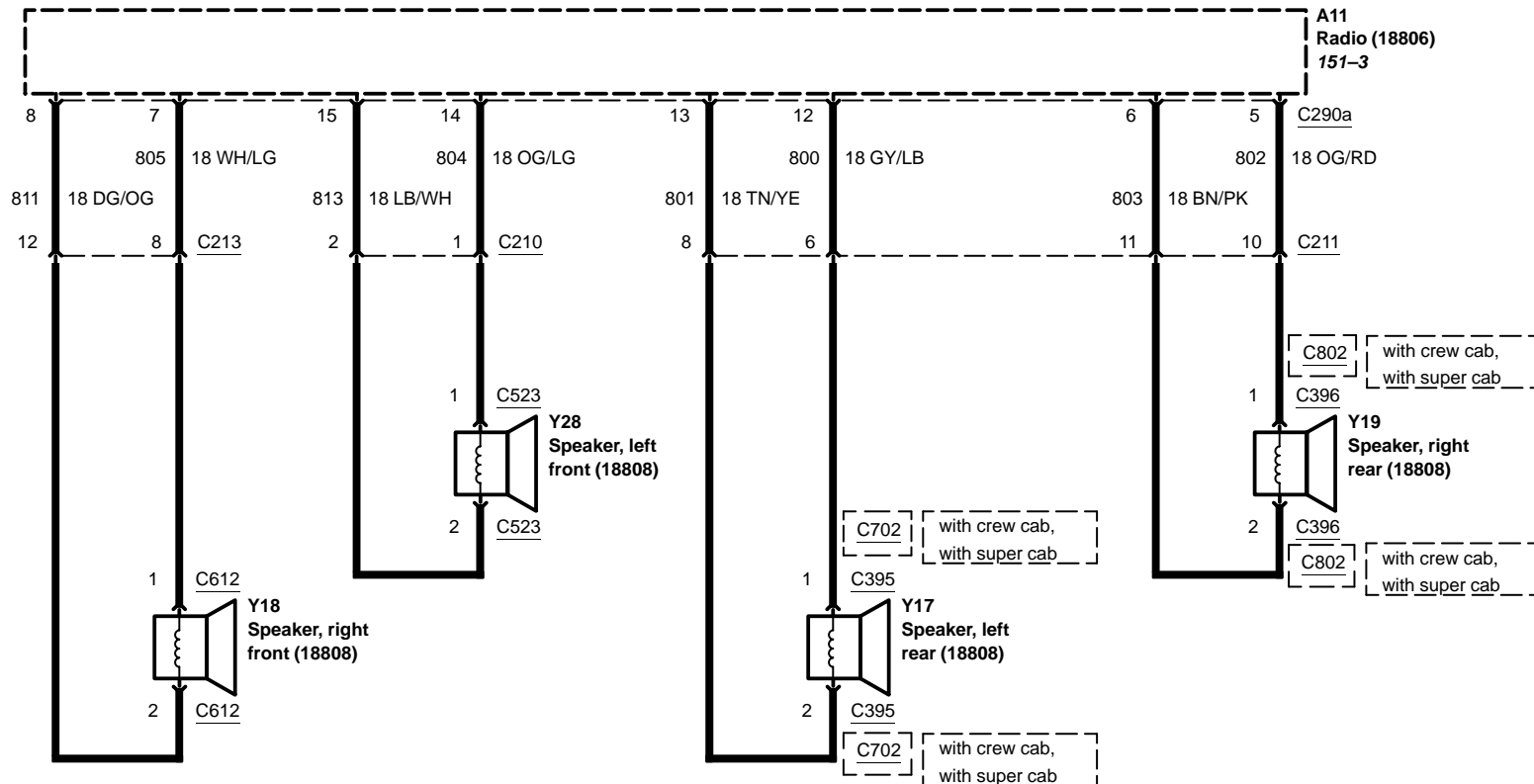
Excursion, base audio

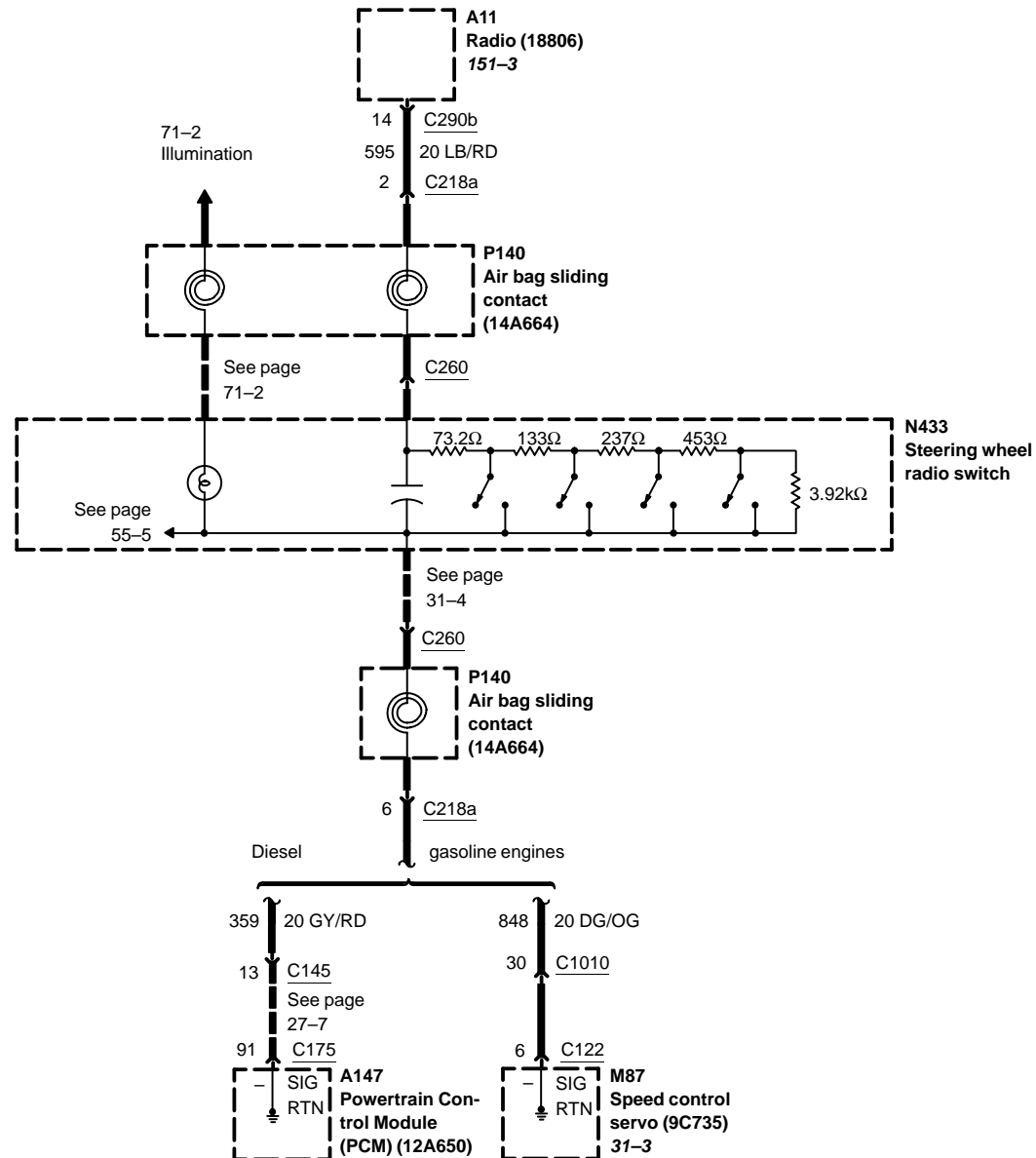


Excursion, Audiophile sound system

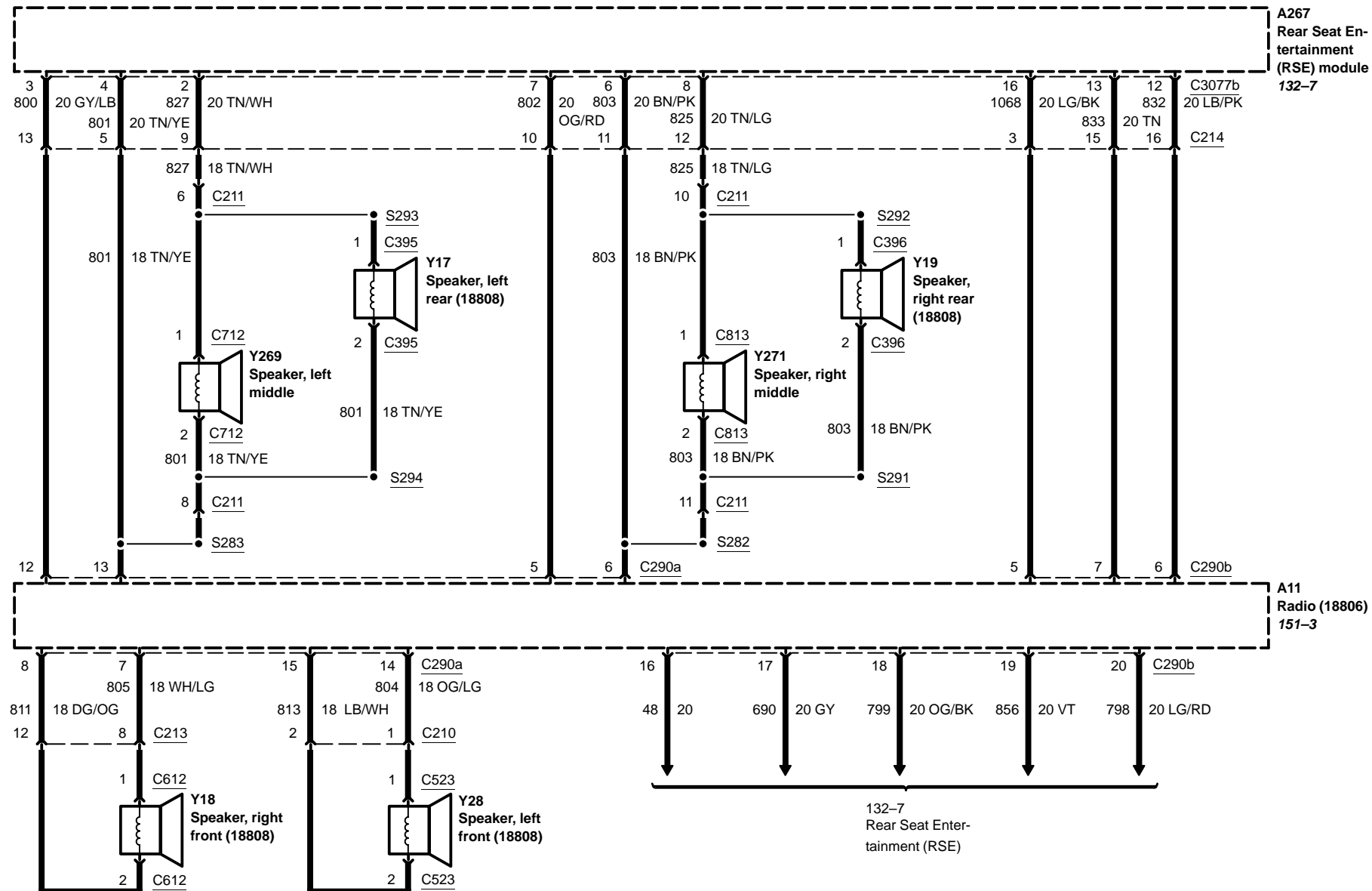


Pickup

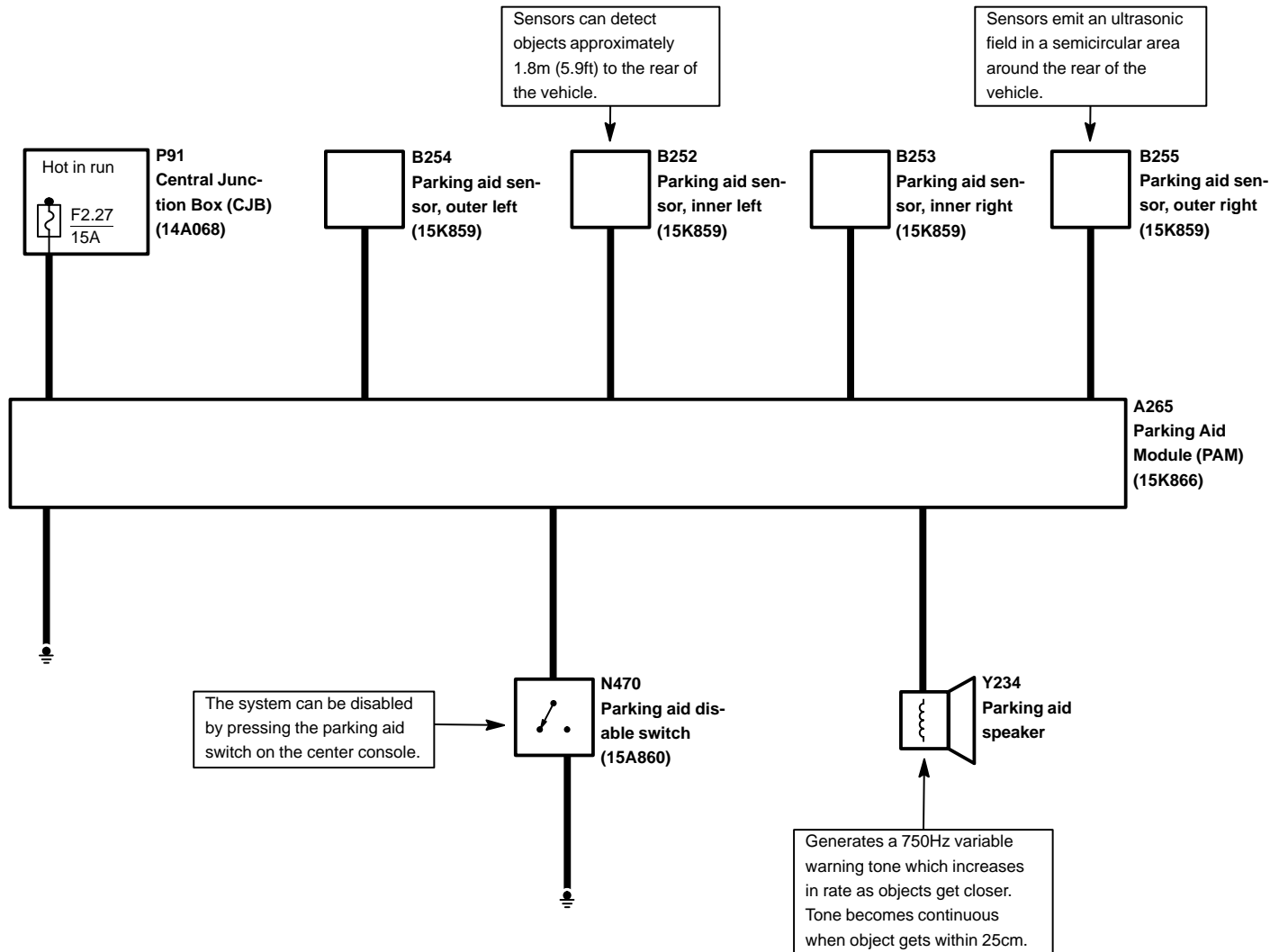




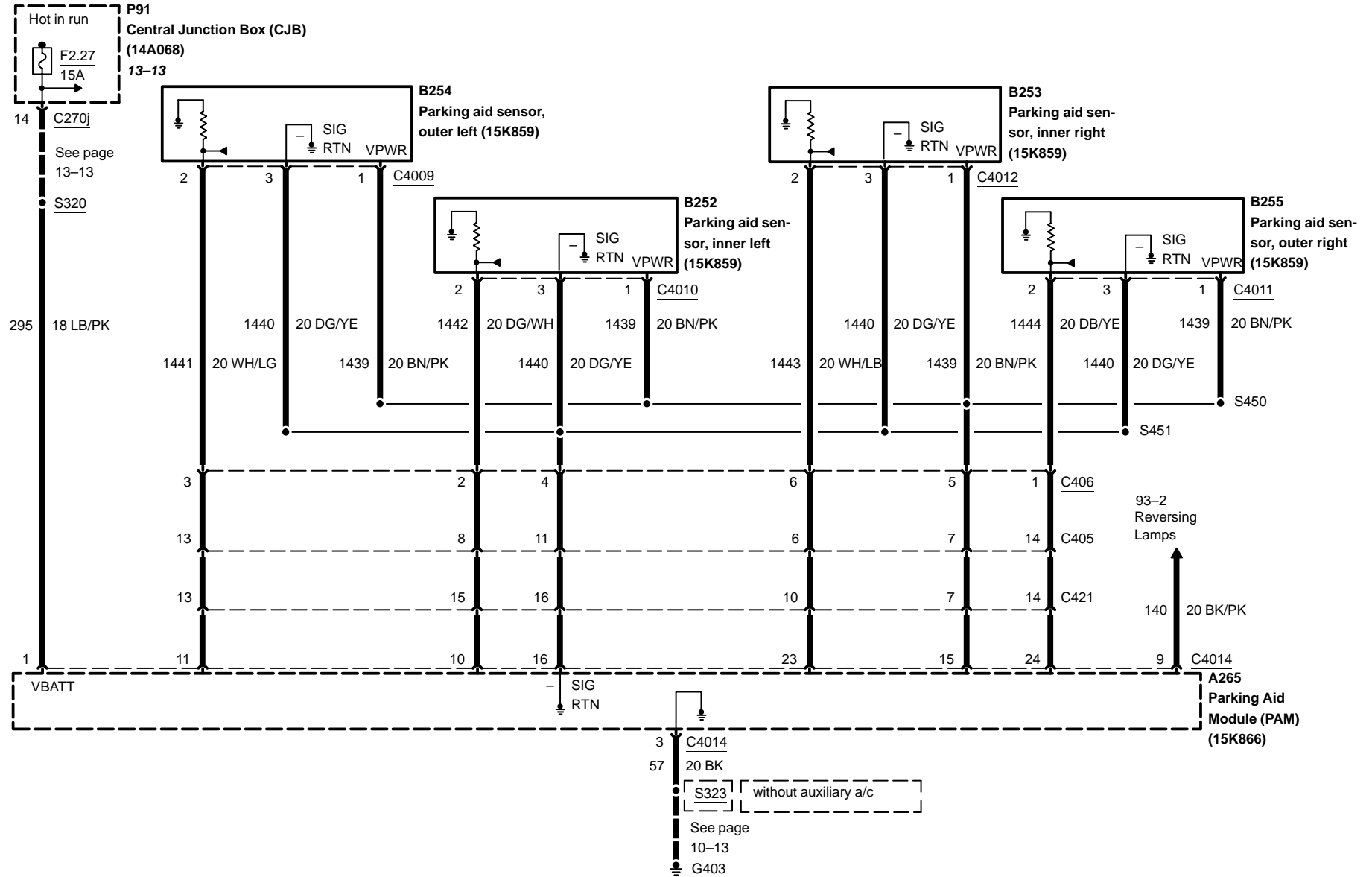
Excursion, Audiophile sound system, with video cassette player



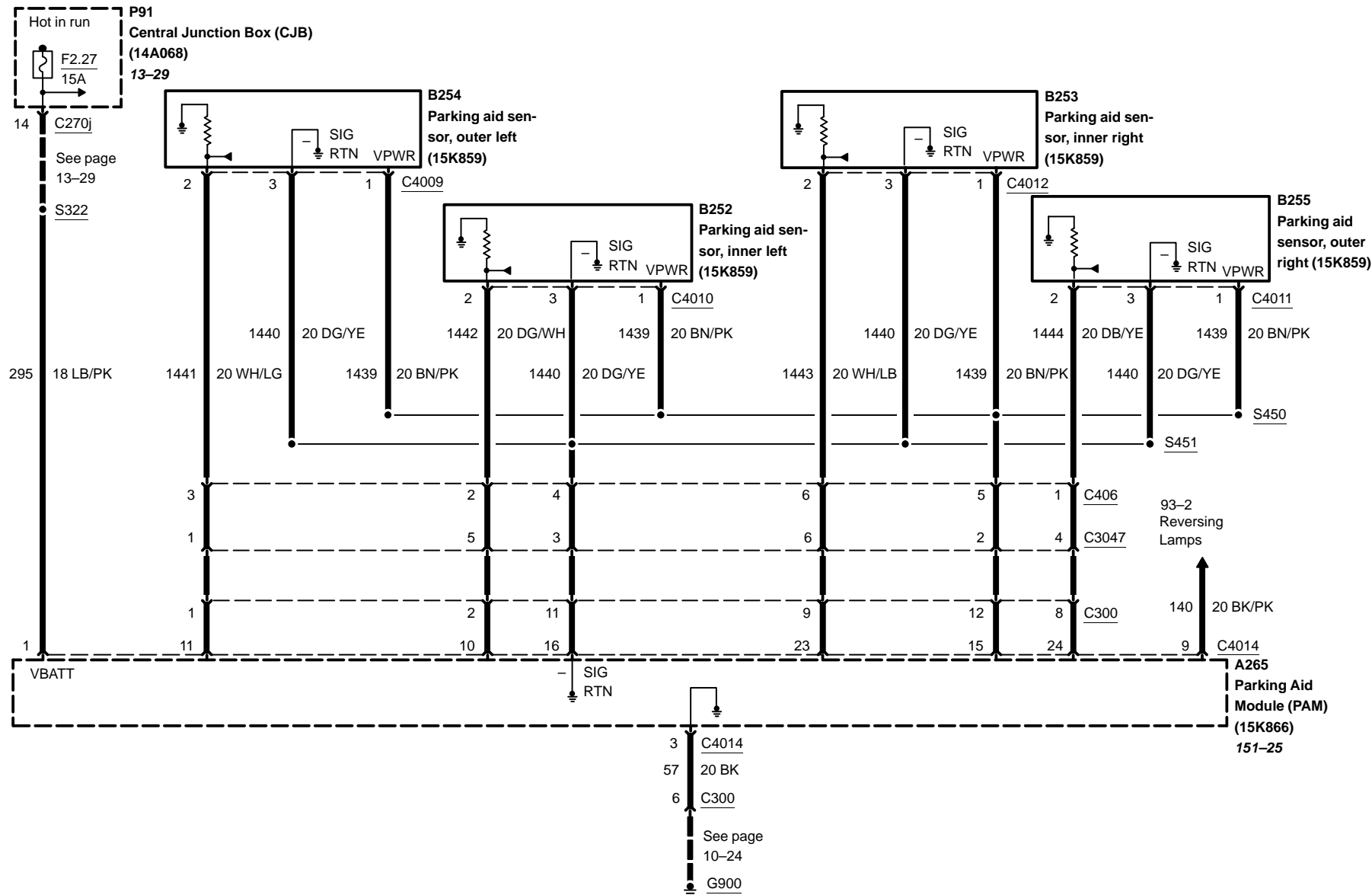
System overview

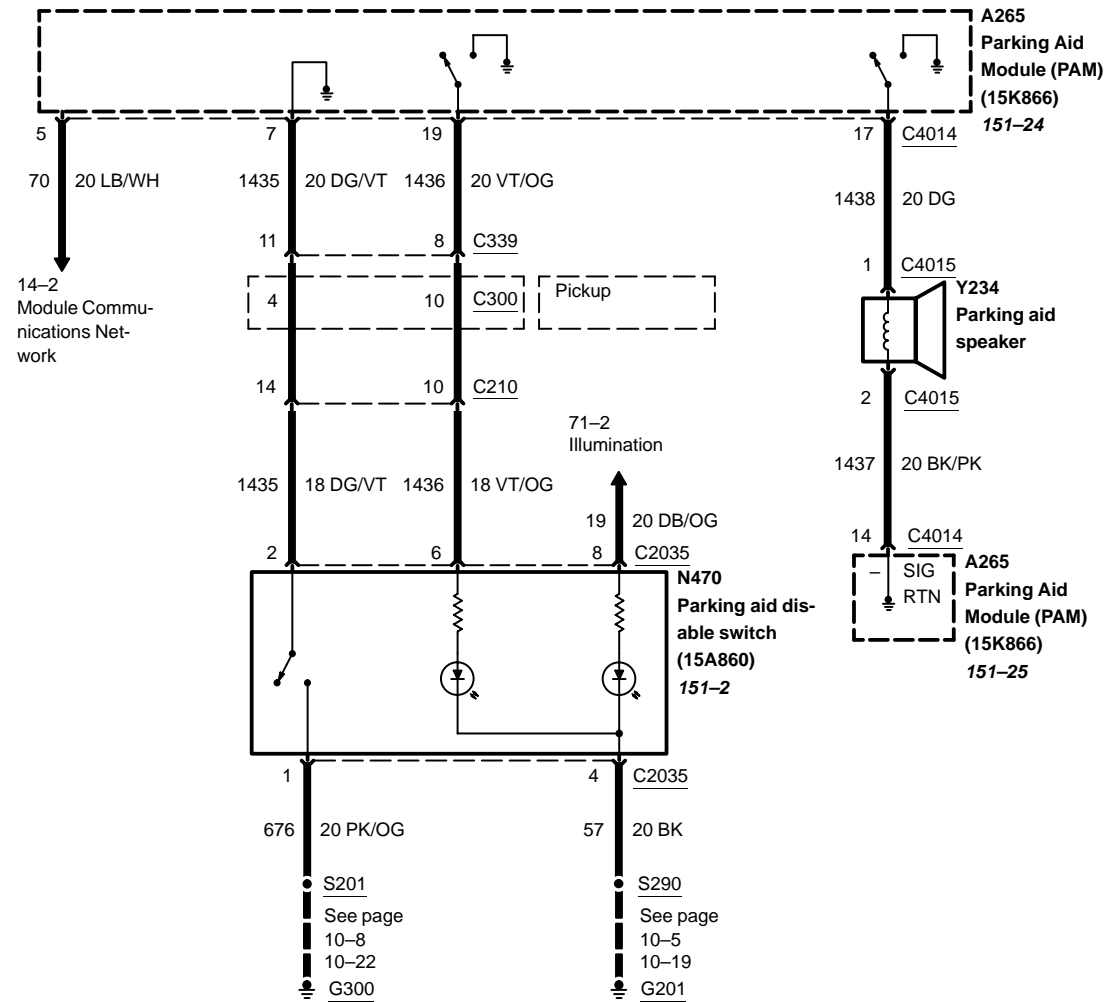


Excursion

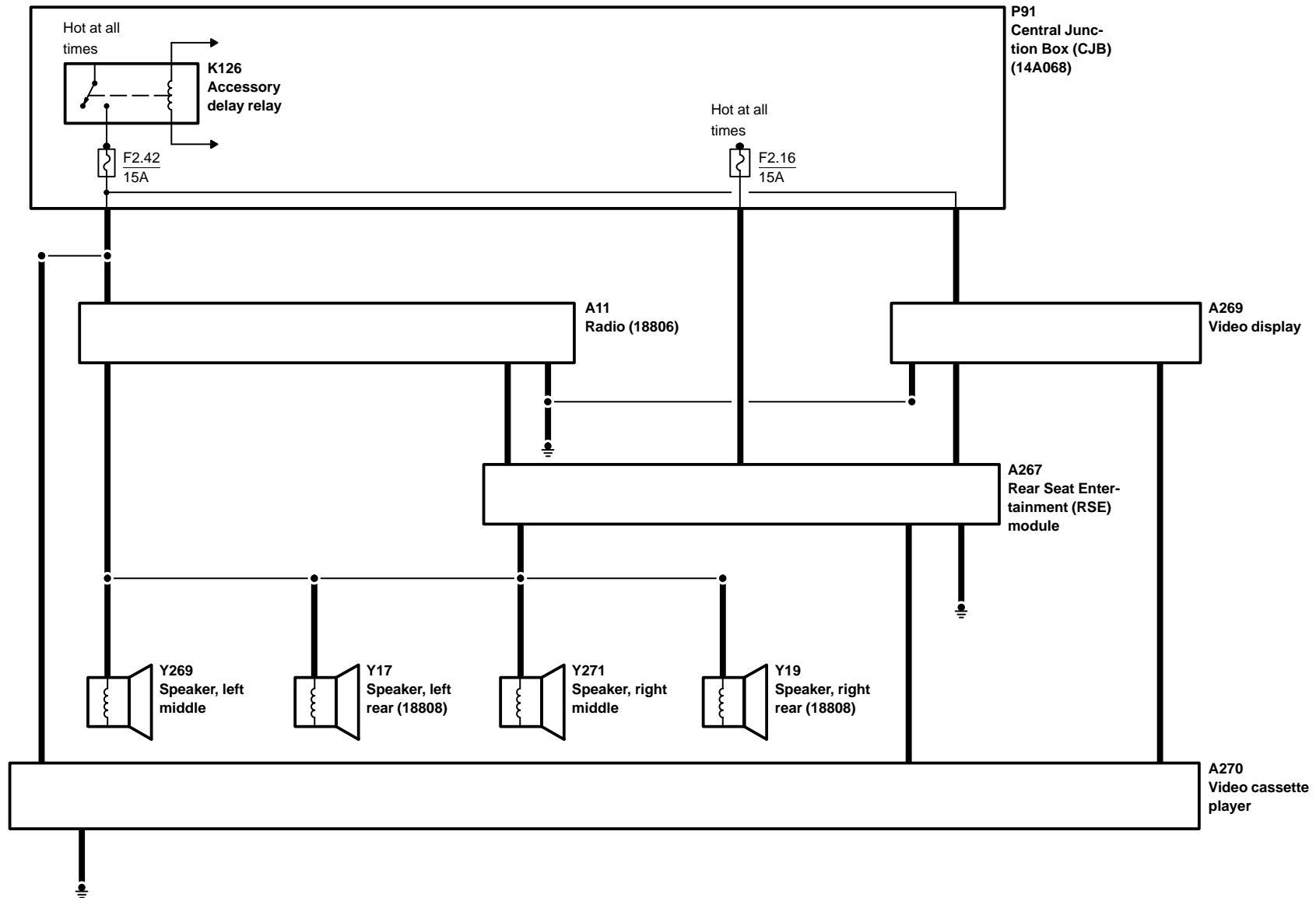


Pickup

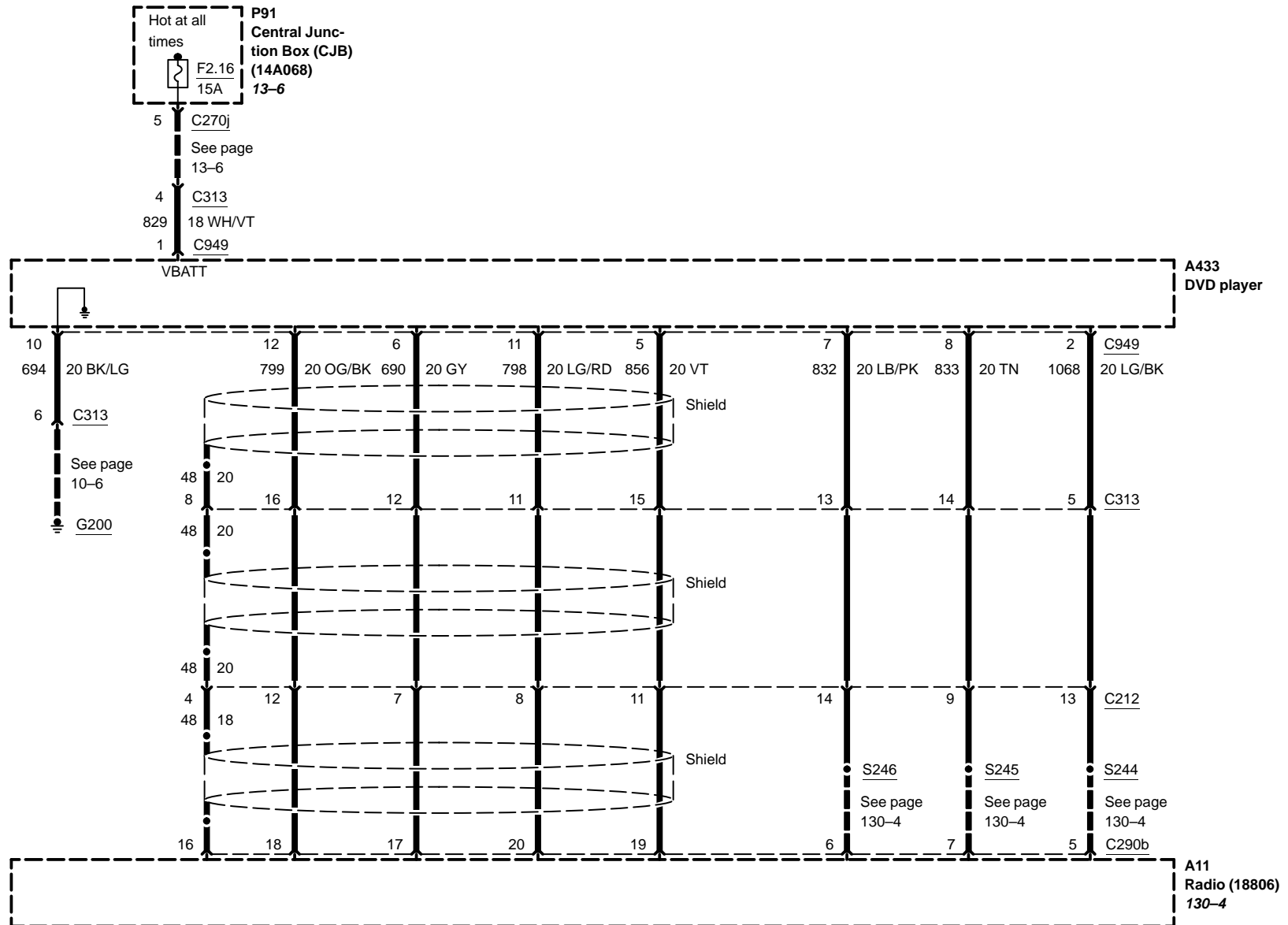




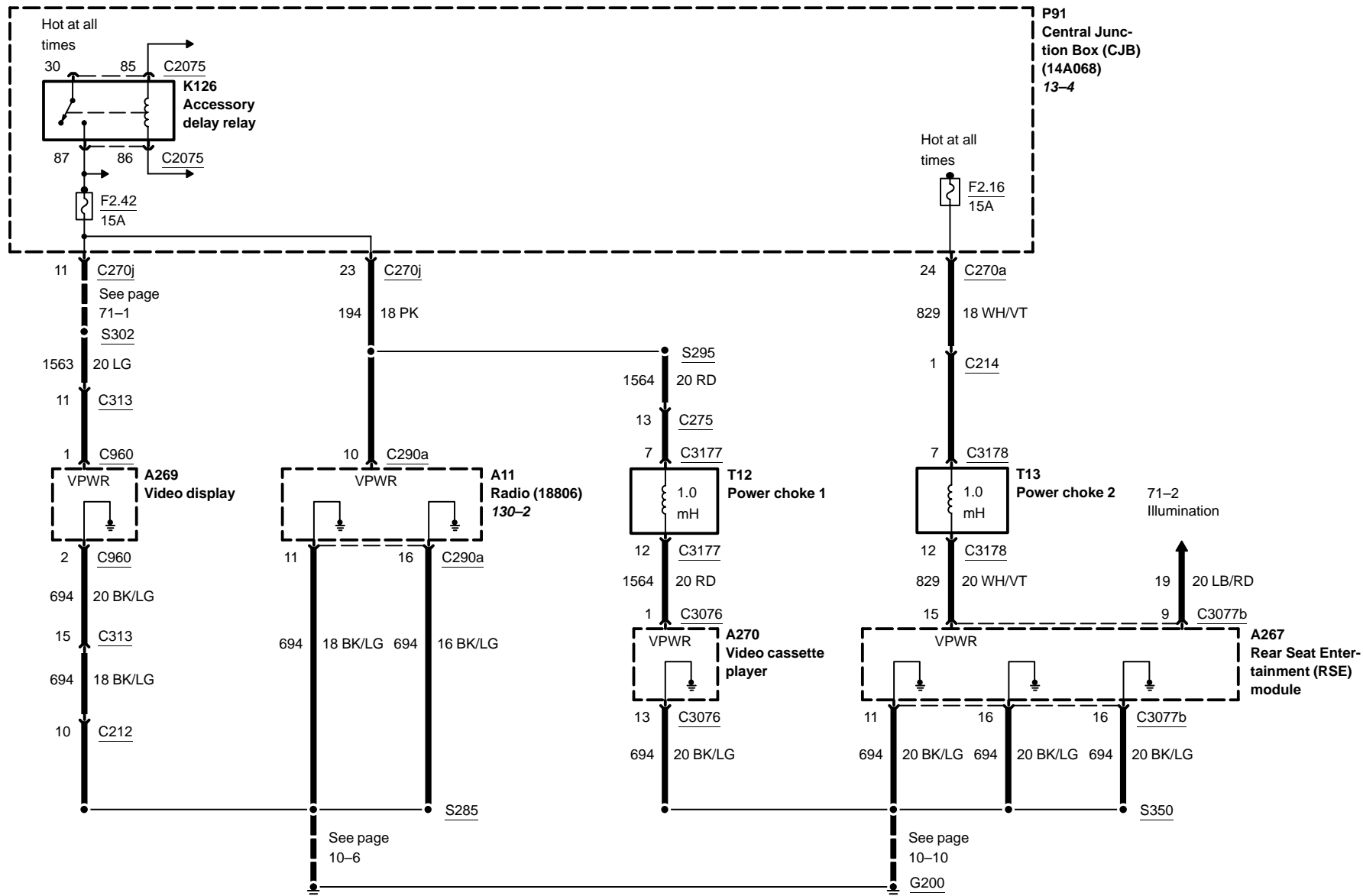
Excursion, with video cassette player, System overview



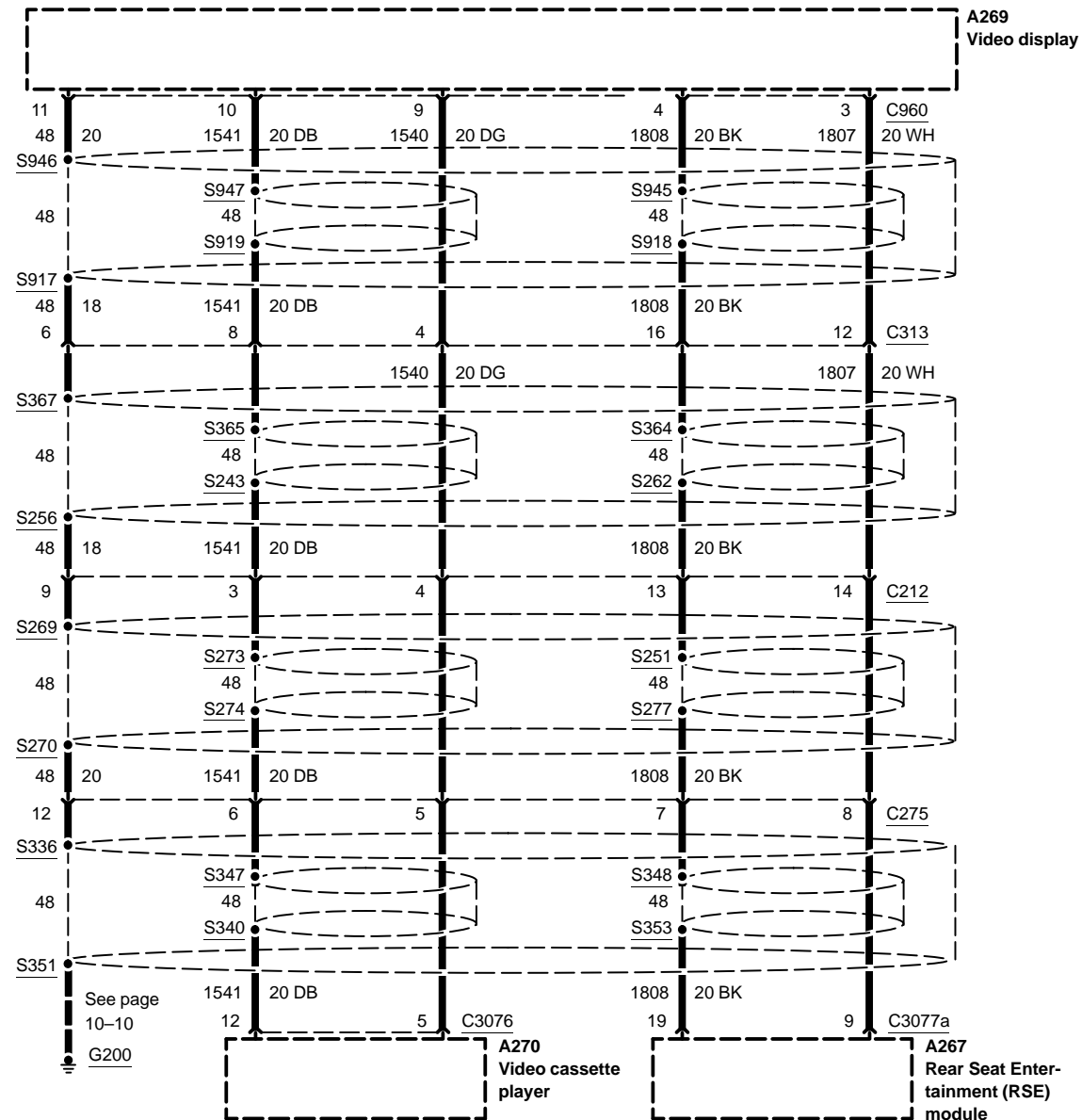
Excursion, with DVD player



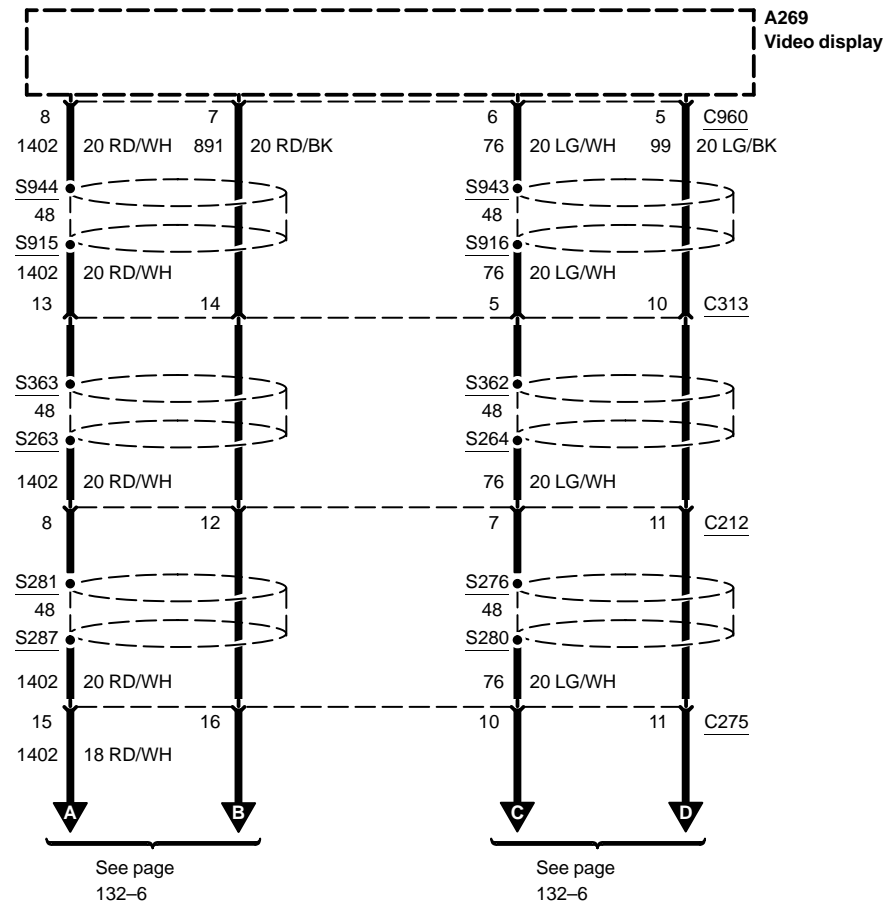
Excursion, with video cassette player



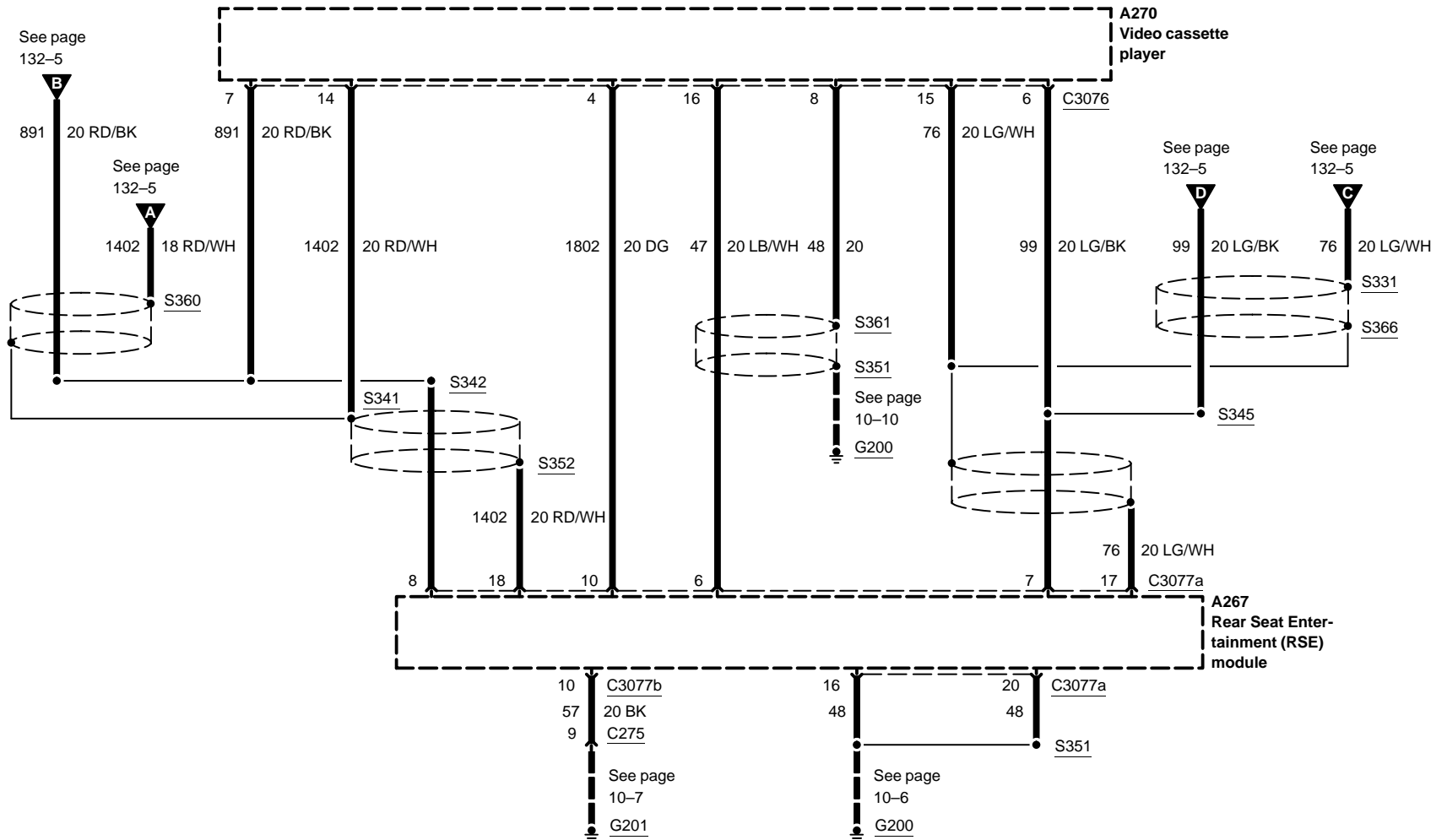
Excursion, with video cassette player



Excursion, with video cassette player

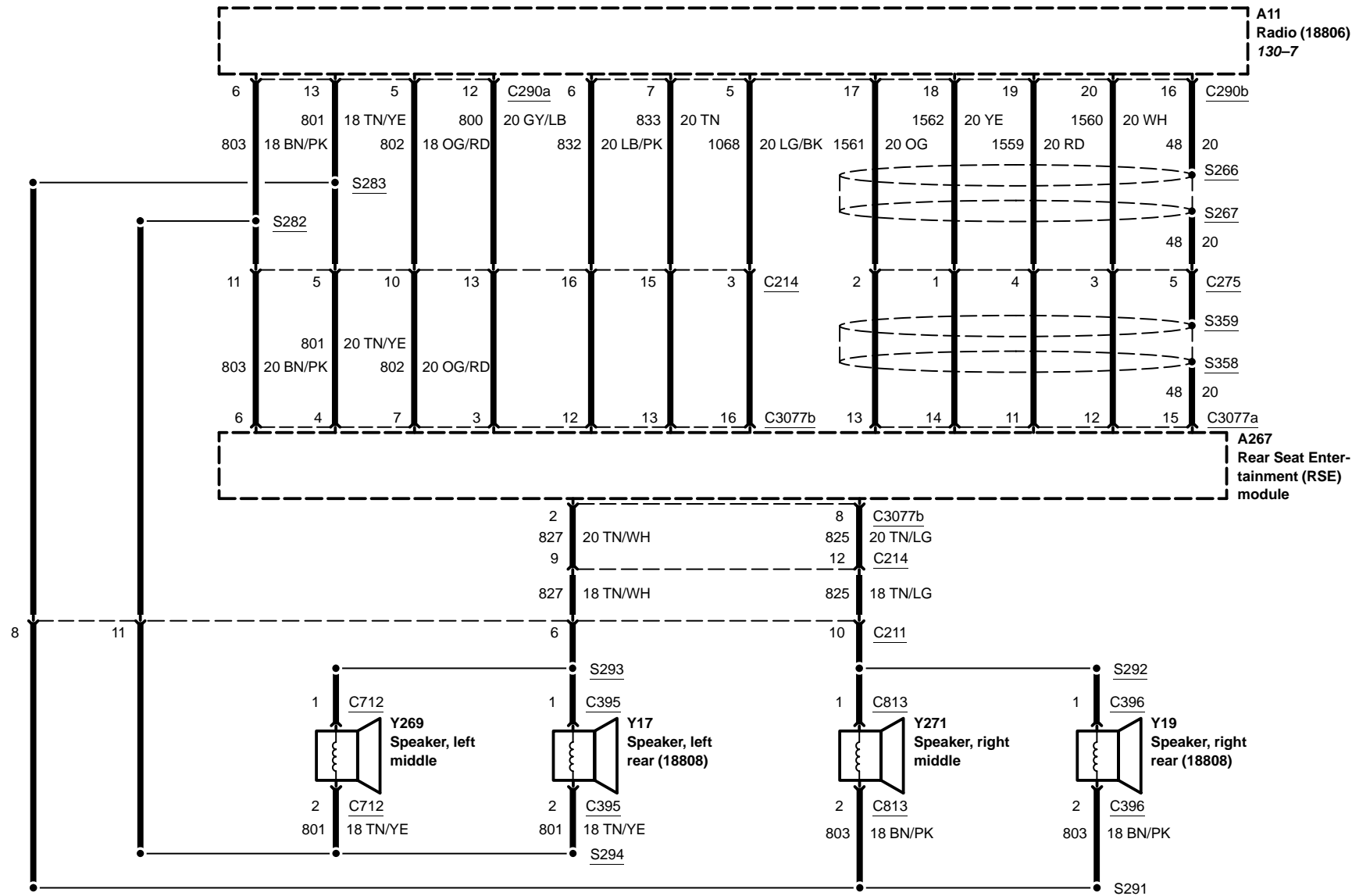


Excursion, with video cassette player



132-7 Rear Seat Entertainment (RSE)

Excursion, with video cassette player

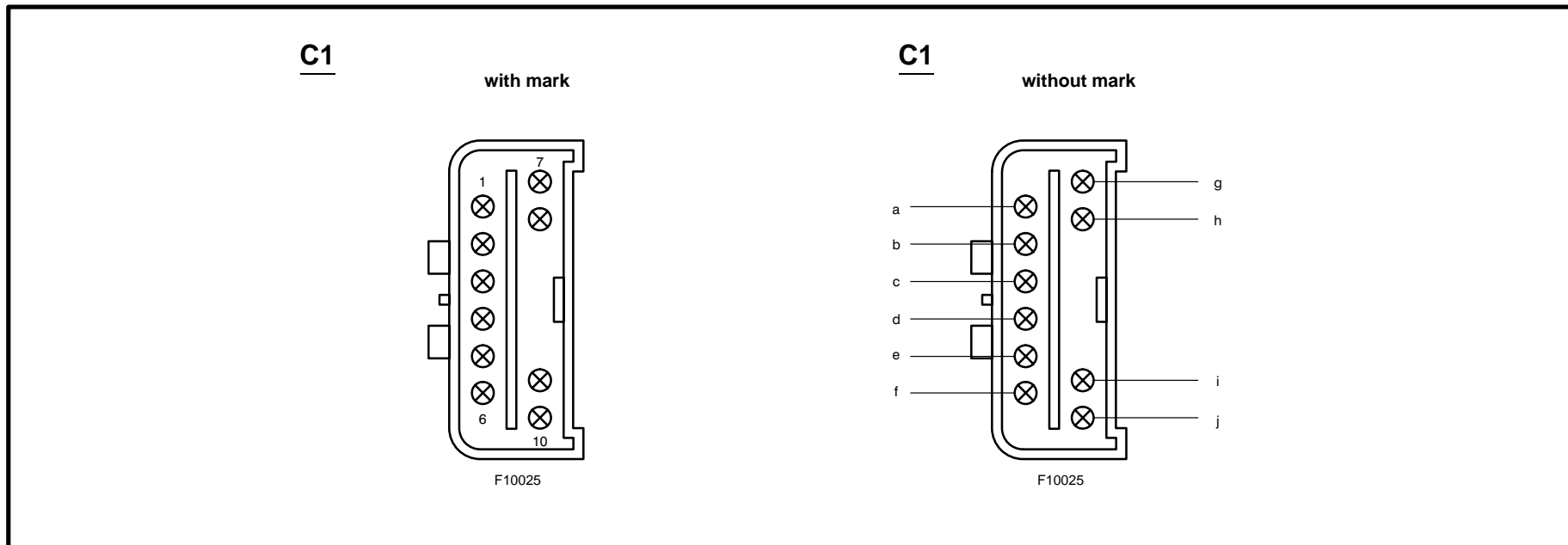


Introduction

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

Testing information for each component includes a schematic, a view of the terminal locations and step-by-step test procedures. Terminal locations are identified by numbers or letters that may be on the component or next to it.

Terminals

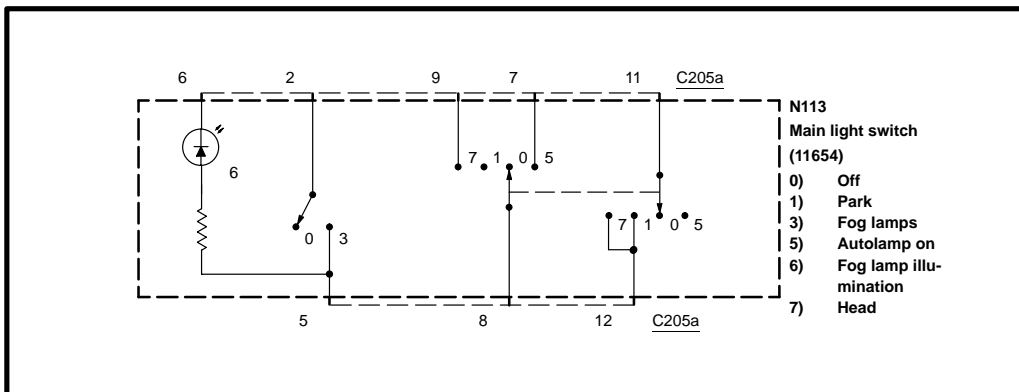


The component connector **MUST BE REMOVED** before testing. To test a single circuit within the component, select that circuit under the column "Circuit to test". If you wish to test the complete component, perform all tests.

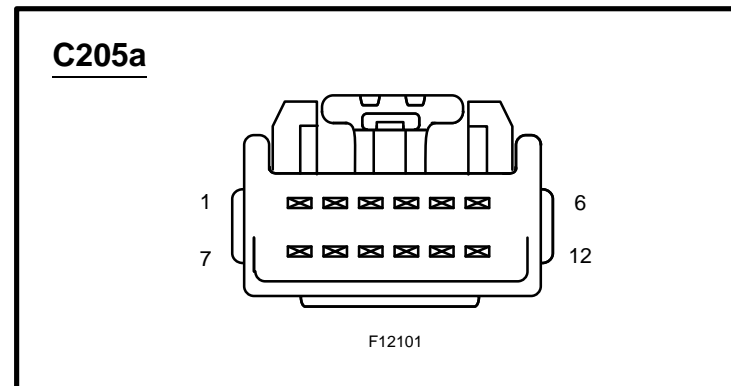
Connect the tester to the terminals shown in the second column and operate the component as shown in the third column.

Headlamp switch, Exterior lamps

Schematic



Terminals

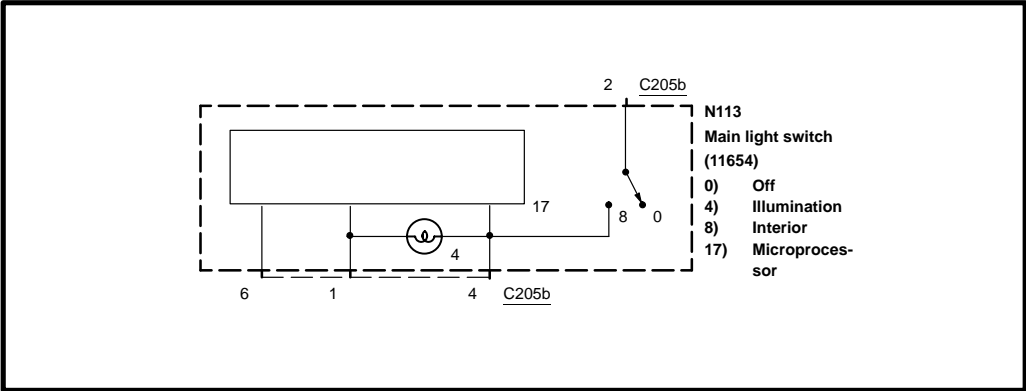


Component testing procedure

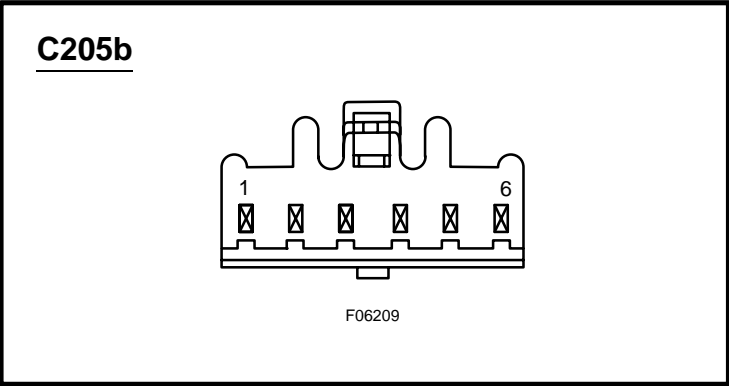
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Headlamp	9 and 8	Off	Open circuit
		Head	Closed circuit
		Park	Open circuit
		Autolamps	Open circuit
Park lamps	11 and 12	Off	Open circuit
		Head	Closed circuit
		Park	Closed circuit
		Autolamps	Open circuit
Autolamps	7 and 8	Off	Open circuit
		Head	Open circuit
		Park	Open circuit
		Autolamps	Closed circuit
Fog lamps	2 and 5	On	Closed circuit
		Off	Open circuit

Headlamp switch, Interior lamps

Schematic



Terminals



Component testing procedure

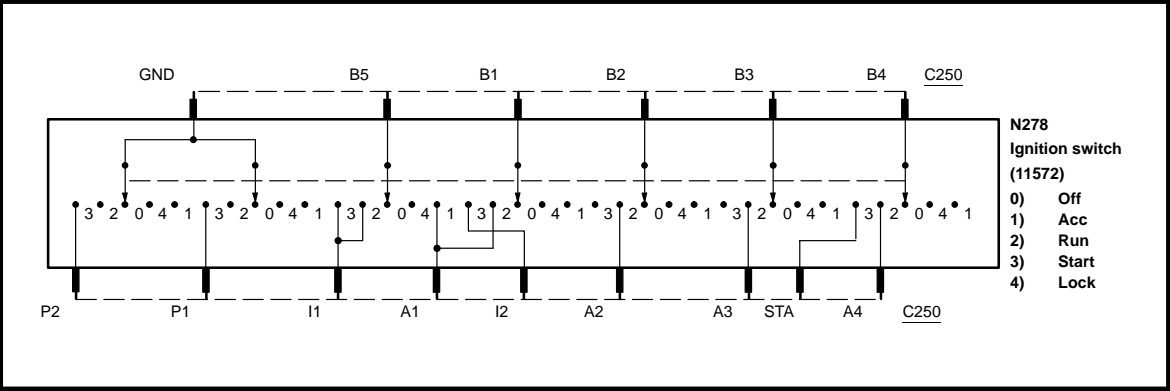
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Interior lamp	2 and 4	On	Open circuit
		Off	Closed circuit

Component testing procedure (voltage applied)

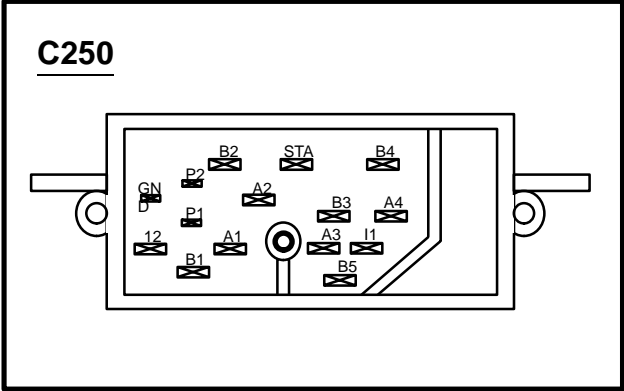
Disconnect the ohmmeter; connect pin 6 using a fused (10A) jumper to 12V DC power and pin 4 to ground. Measure the voltage between pin 1 and pin 4 while rotating the thumbwell from full illumination to no illumination. If the voltage smoothly decreases from near 12 volts to near 0 volts, the illumination dimmer is okay. If not, replace the main light switch.

Ignition switch (11572)

Schematic



Terminals

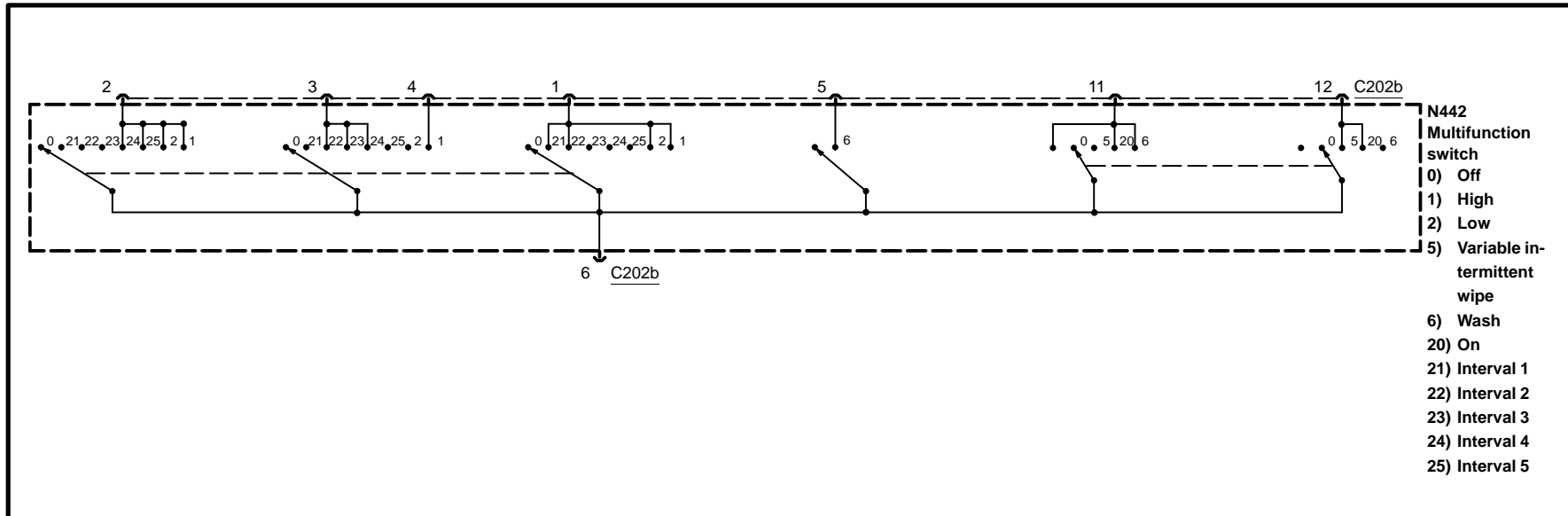


Component testing procedure

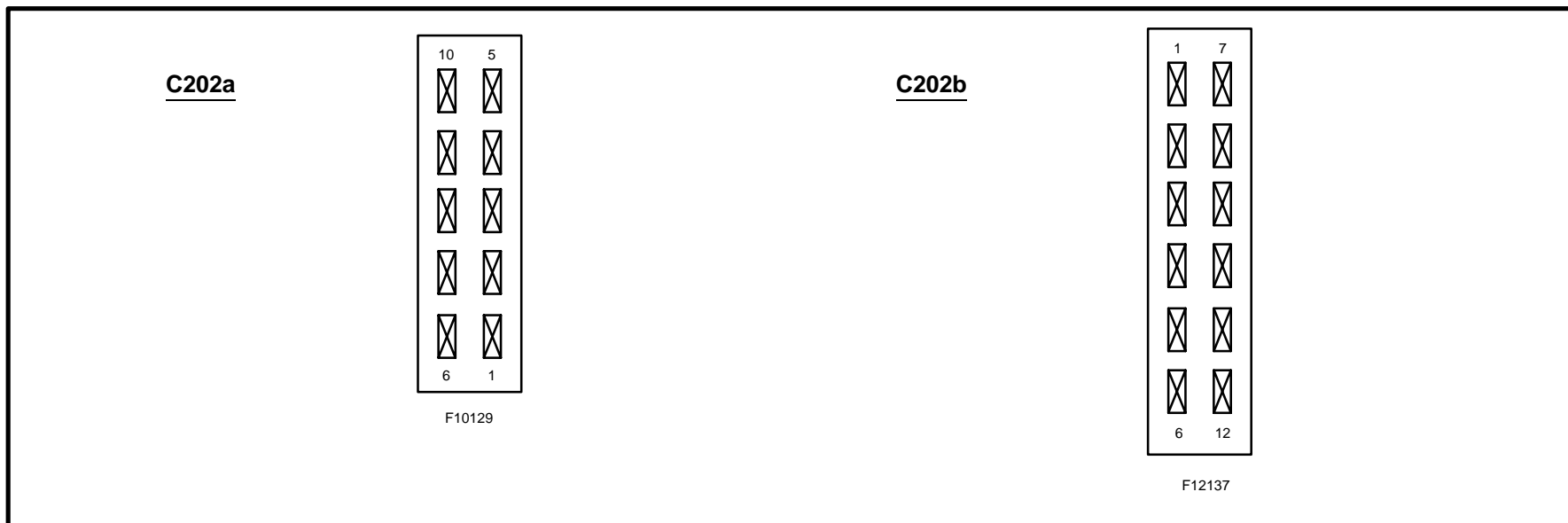
Circuit to test	Connect self-powered test light or ohm-meter to terminals	Move key to these positions	A good switch will indicate
Run power circuit	B2 and A2 B3 and A3 B4 and A4	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Closed circuit
		Start	Open circuit
Run/Start power circuit	B5 and I1	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Closed circuit
		Start	Closed circuit
Run/Acc power circuit	B1 and A1	Off/Lock	Open circuit
		Accessory	Closed circuit
		Run	Closed circuit
		Start	Open circuit
Start power circuit	GND and P2 GND and P1 B1 and I2 B4 and STA	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Open circuit
		Start	Closed circuit

Multifunction Switch, Wiper/Washer Portion

Schematic



Terminals



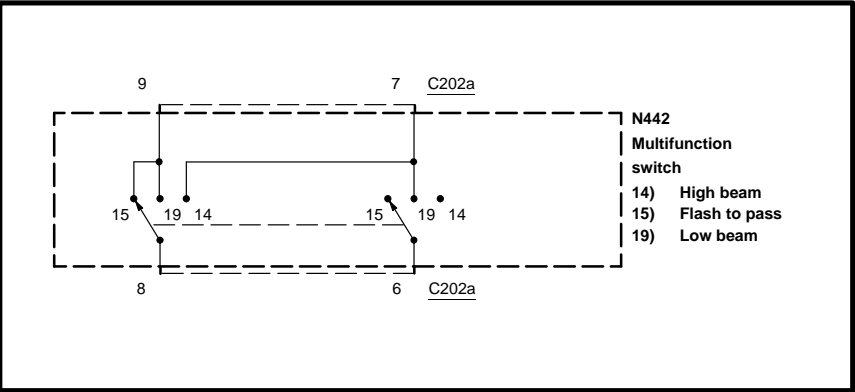
Multifunction Switch, Wiper/Washer Portion (continued)

Component testing procedure

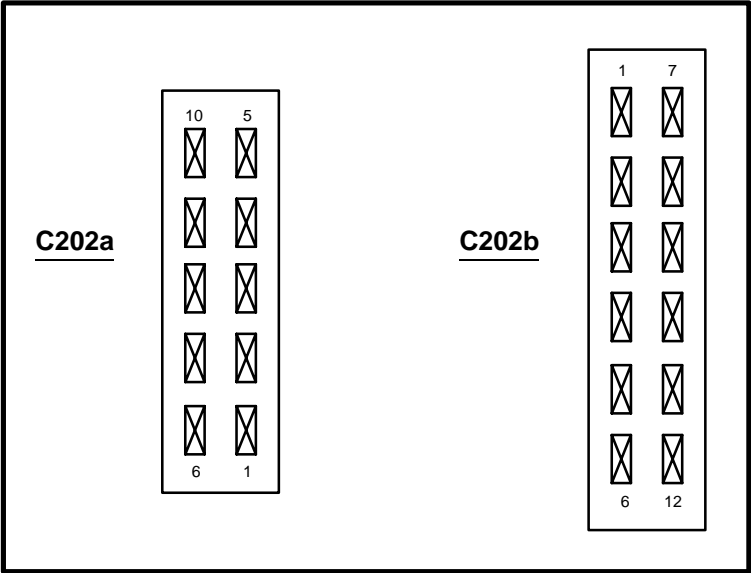
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Rear wiper switch circuit	C202b, 6 and 12	On	Closed circuit
	C202b, 6 and 11		
	C202b, 6 and 12	Intermittent	Closed circuit
Rear washer switch circuit	C202b, 6 and 11	Rear washer On	Closed circuit
	C202b, 6 and 11	Rear washer Off	Open circuit
	C202b, 6 and 12		
Front wiper switch circuit	C202b, 6 and 2	High	Closed circuit
	C202b, 6 and 4		
	C202b, 6 and 1		
	C202b, 6 and 2	Low	Closed circuit
	C202b, 6 and 1		
	C202b, 6 and 1	Off	Open circuit
	C202b, 6 and 2		
	C202b, 6 and 3		
	C202b, 6 and 4		
	C202b, 6 and 1	Intermittent 1	Closed circuit
Front washer switch circuit	C202b, 6 and 1	Intermittent 2	Closed circuit
	C202b, 6 and 3		
	C202b, 6 and 3	Intermittent 3	Closed circuit
	C202b, 6 and 2	Intermittent 4	Closed circuit
	C202b, 6 and 3		
	C202b, 6 and 2	Intermittent 5	Closed circuit
	C202b, 6 and 1		
	C202b, 6 and 5	Front washer On	Closed circuit
		Front washer Off	Open circuit

Multifunction Switch, Lamp Portion (continued)

Schematic



Terminals

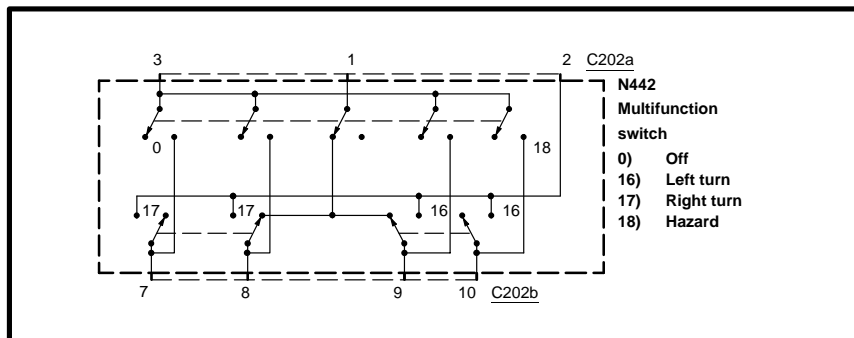


Component testing procedure

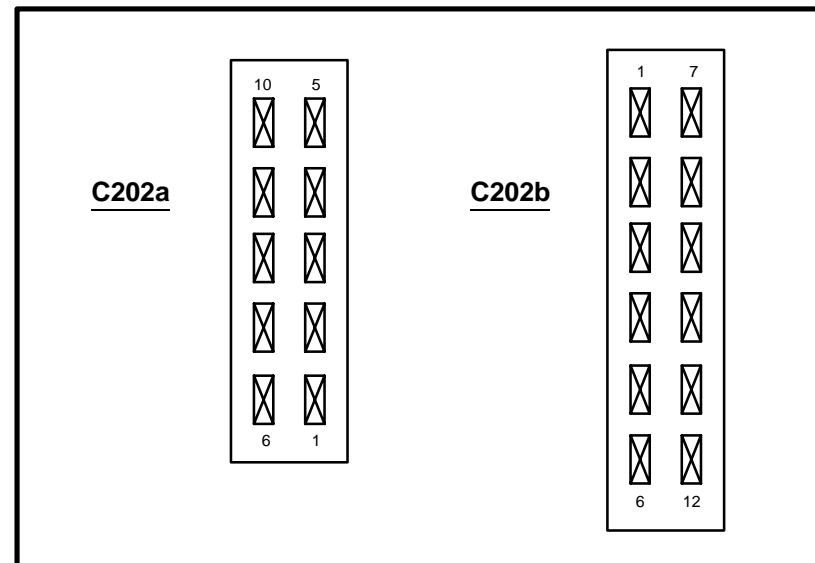
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
High beam	8 and 7	High beam	Closed circuit
		Flash-to-pass	Open circuit
		Low beam	Open circuit
Low beam/Flash-to-pass	8 and 9	High beam	Open circuit
		Flash-to-pass	Closed circuit
		Low beam	Closed circuit
	6 and 7	High beam	Open circuit
		Flash-to-pass	Closed circuit
		Low beam	Open circuit

Multifunction Switch, Turn Portion (continued)

Schematic



Terminals

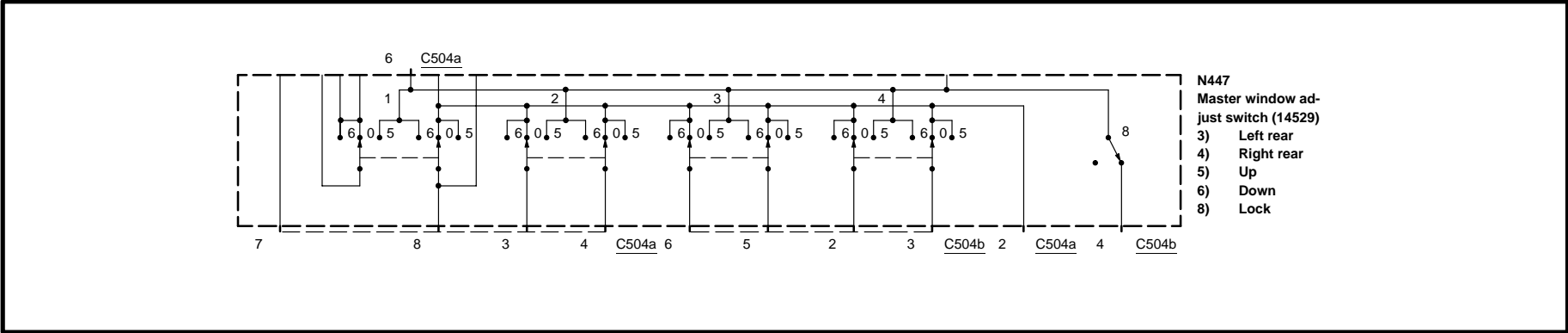


Component testing procedure

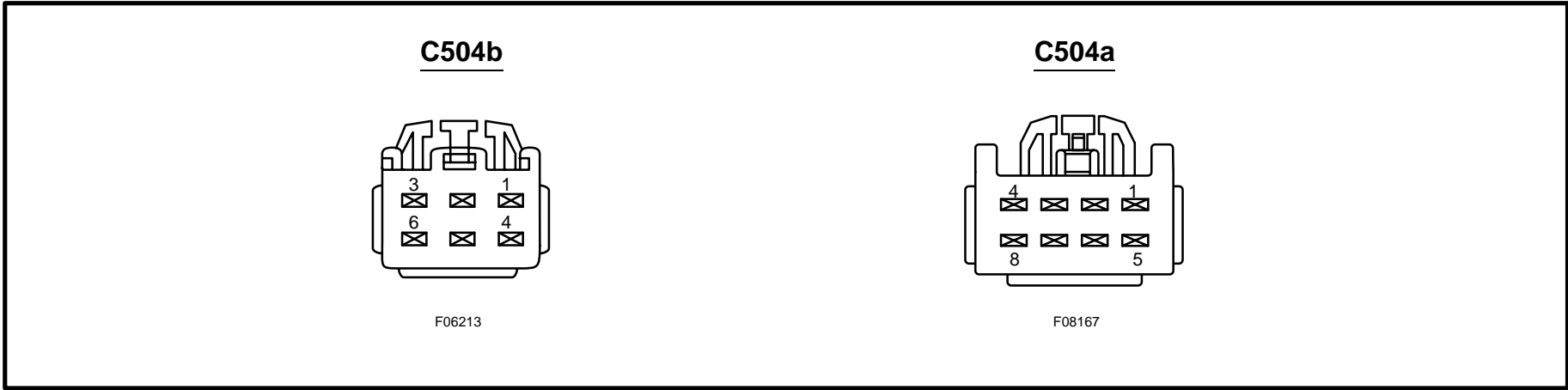
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Turn signal	C202a, 2 and C202b, 10	Left turn	Closed circuit
	C202a, 2 and C202b, 9	Off	Open circuit
	C202a, 2 and C202b, 7	Right turn	Closed circuit
	C202a, 2 and C202b, 8	Off	Open circuit
Hazard	C202a, 3 and C202b, 7	Turn signal switch in neutral, Hazard On	Closed circuit
	C202a, 3 and C202b, 8		
	C202a, 3 and C202b, 9		
	C202a, 3 and C202b, 10		
	C202a, 1 and C202b, 8	Turn signal switch in neutral, Hazard Off	Closed circuit
	C202a, 1 and C202b, 9		

Master window adjust switch (14529)

Schematic



Terminals



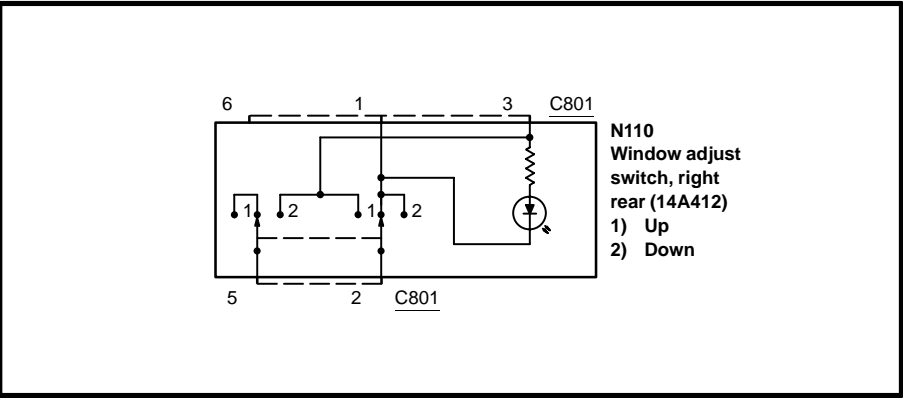
Master window adjust switch (14529) (continued)

Component testing procedure

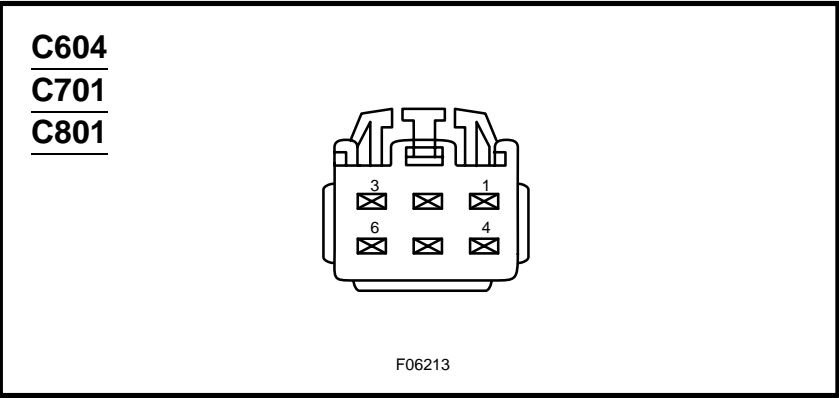
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Power and Ground Checks Before Any Other Tests	C504b, 4, and C504a, 3 C504b, 4, and C504a, 4 C504b, 4, and C504a, 8 C504b, 4, and C504b, 1 C504b, 4, and C504b, 2 C504b, 4, and C504b, 3 C504b, 4, and C504b, 4 C504b, 4, and C504b, 5 C504b, 4, and C504b, 6	All Eight Window Switches (at rest)	Closed circuit
Left front window circuit	C504a, 6 and C504a, 8	Down	Closed circuit
Right front window circuit	C504a, 3 and C504a, 6	Up	Closed circuit
	C504a, 4 and C504a, 6	Down	Closed circuit
Left rear window circuit	C504a, 6 and C504b, 6	Up	Closed circuit
	C504a, 6 and C504b, 5	Down	Closed circuit
Right rear window circuit	C504a, 6 and C504b, 2	Up	Closed circuit
	C504a, 6 and C504b, 3	Down	Closed circuit
	C504a, 6 and C504b, 4	Lock	Open circuit
		Unlock	Closed circuit

Window adjust switch

Schematic



Terminals

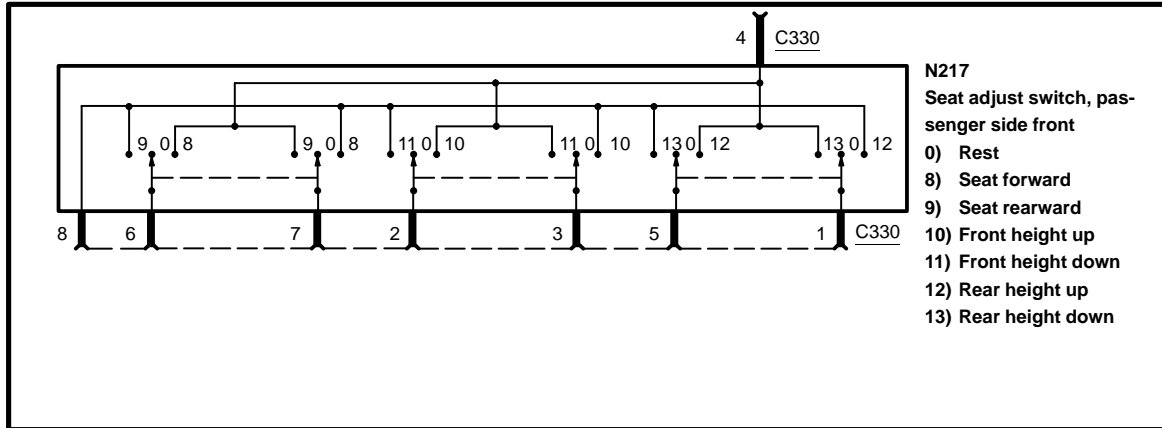


Component testing procedure

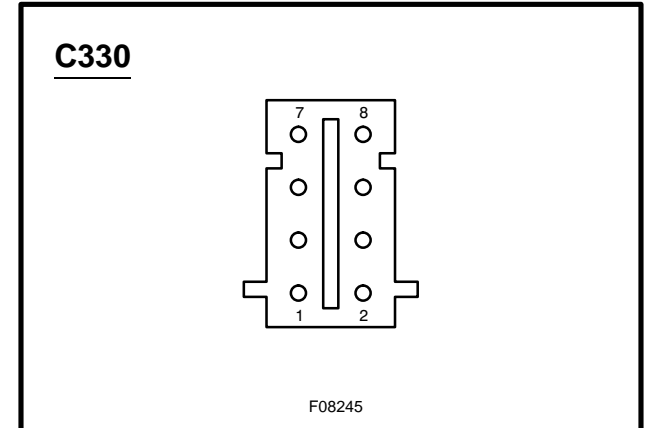
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Up Switch Circuit	3 and 2	Up	Closed circuit
	6 and 5, 1 and 2	Rest	Closed circuit
Down Switch Circuit	3 and 5	Down	Closed circuit
	6 and 5, 1 and 2	Rest	Closed circuit

Seat adjust switch

Schematic



Terminals

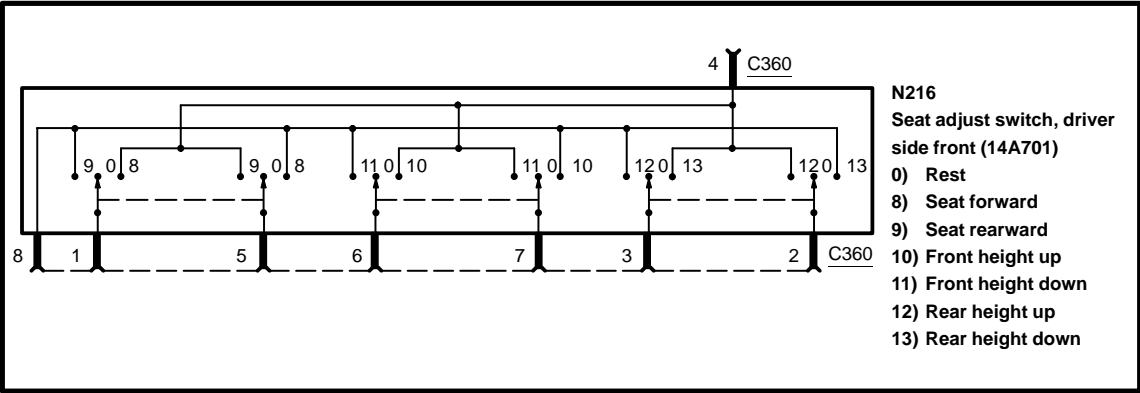


Component testing procedure

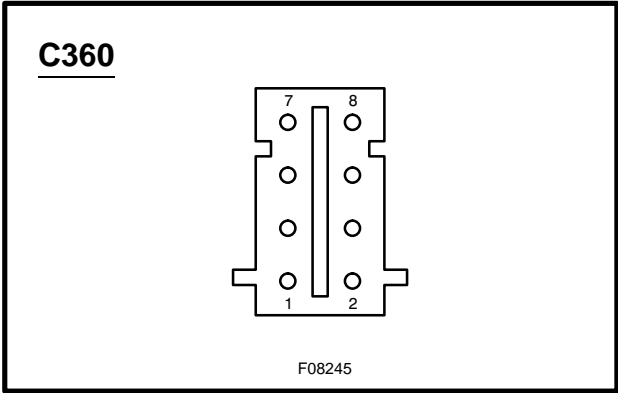
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Forward/Rearward circuit	4 and 7 8 and 5	Forward	Closed circuit
		Rearward	Open circuit
	4 and 6 7 and 8	Forward	Open circuit
		Rearward	Closed circuit
Front up/down circuit	4 and 3 2 and 8	Up	Closed circuit
		Down	Open circuit
	4 and 2 3 and 8	Up	Open circuit
		Down	Closed circuit
Rear up/down circuit	4 and 5 8 and 1	Up	Closed circuit
		Down	Open circuit
	1 and 4 5 and 8	Up	Open circuit
		Down	Closed circuit

Seat adjust switch, with side air bags

Schematic



Terminals

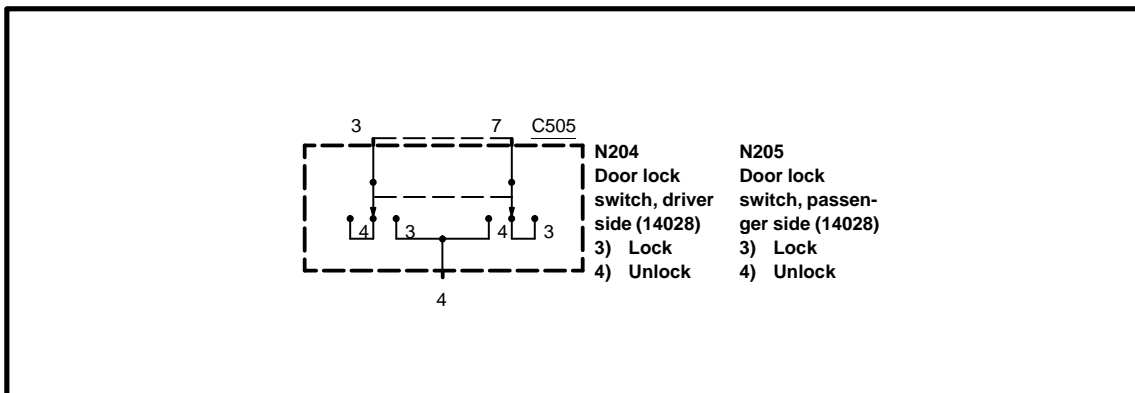


Component testing procedure

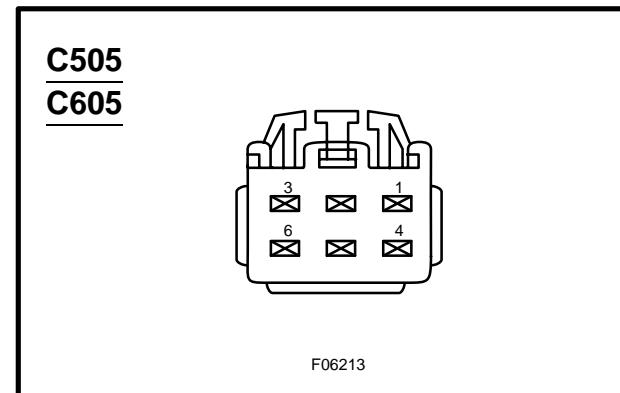
Circuit to test	Connect self-powered test light or ohm-meter to terminals	Move switch to these positions	A good switch will indicate
Forward/Rearward circuit	4 and 1 5 and 8	Forward	Closed circuit
		Rearward	Open circuit
	4 and 5 1 and 8	Forward	Open circuit
		Rearward	Closed circuit
Front up/down circuit	4 and 6 7 and 8	Up	Closed circuit
		Down	Open circuit
	4 and 7 6 and 8	Up	Open circuit
		Down	Closed circuit
Rear up/down circuit	4 and 3 2 and 8	Up	Closed circuit
		Down	Open circuit
	4 and 2 3 and 8	Up	Open circuit
		Down	Closed circuit

Door lock switch, driver side (14028), Door lock switch, passenger side (14028)

Schematic



Terminals

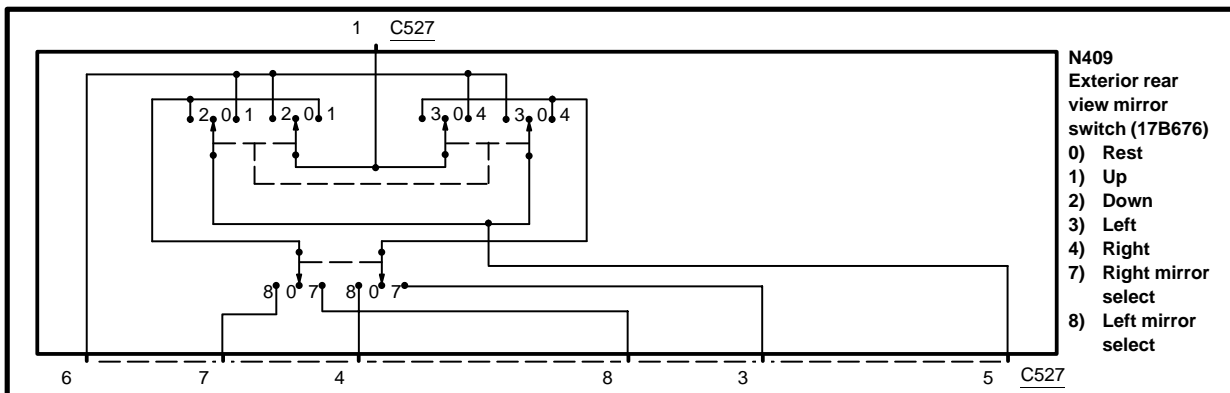


Component testing procedure

Circuit to test	Connect self-powered test light or ohm-meter to terminals	Move switch to these positions	A good switch will indicate
Lock Switch Circuit	7 and 4	Unlock	Closed circuit
		Rest	Open circuit
Unlock Switch Circuit	3 and 4	Lock	Closed circuit
		Rest	Open circuit

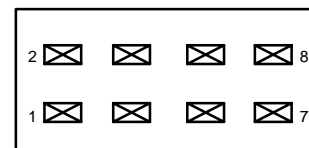
Exterior rear view mirror switch (17B676)

Schematic



Terminals

C527

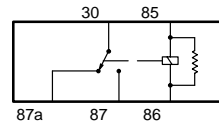


Component testing procedure

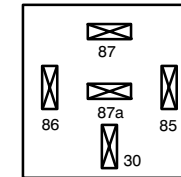
Circuit to test	Connect self-powered test light or ohm-meter to terminals	Move switch to these positions	A good switch will indicate
Left mirror		Selector switch Left	
Up	1 and 7 6 and 5	Up	Closed circuit
Down	1 and 6 7 and 5	Down	Closed circuit
Left	1 and 4 6 and 5	Left	Closed circuit
Right	1 and 6 4 and 5	Right	Closed circuit
Right mirror		Selector switch Right	
Up	1 and 8 6 and 5	Up	Closed circuit
Down	1 and 6 8 and 5	Down	Closed circuit
Left	1 and 3 6 and 5	Left	Closed circuit
Right	1 and 6 3 and 5	Right	Closed circuit

Relay – Mini ISO

Schematic



Terminals



Component testing procedure (no voltage applied)

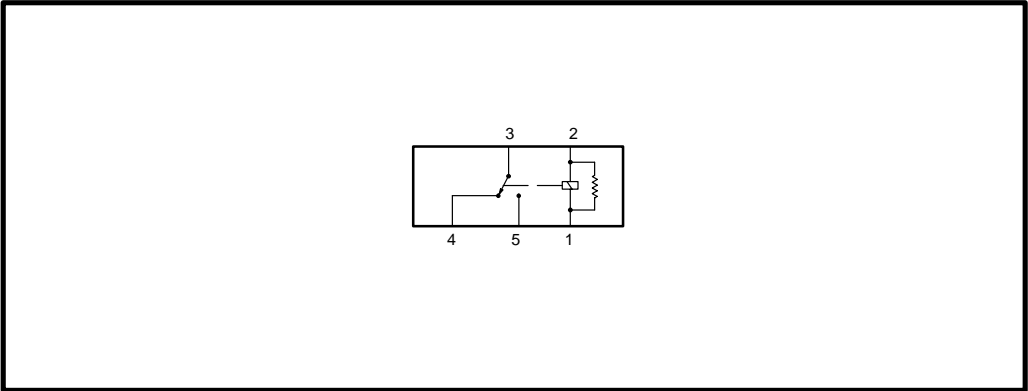
Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	85 and 86	50–100Ω
Contact	30 and 87a	Closed circuit
	30 and 87	Open circuit
Coil – Contact	86 and 30	Open circuit
	86 and 87a	Open circuit
	86 and 87	Open circuit

Component testing procedure (voltage applied)

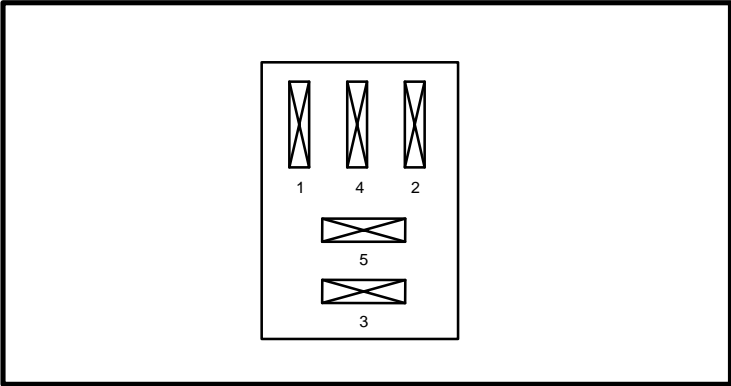
Disconnect the ohmmeter; connect pins 30 and 85 to 12V DC power and pin 86 to ground. Measure voltage between pin 87 and pin 86. If the voltage is 12V, continue with the test. If not, replace the relay. Disconnect power from pin 85 and measure voltage between pin 87a and pin 86. If the voltage is 12V, the relay is okay. If not, replace the relay.

Relay – Micro ISO

Schematic



Terminals



Component testing procedure (no voltage applied)

Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	1 and 2	100–150Ω
Contact	3 and 4	Closed circuit
	3 and 5	Open circuit
Coil – Contact	1 and 3	Open circuit
	1 and 4	Open circuit
	1 and 5	Open circuit

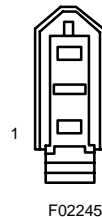
Component testing procedure (voltage applied)

Disconnect the ohmmeter; connect pins 2 and 3 to 12V DC power and pin 1 to ground. Measure voltage between pin 5 and pin 1. If the voltage is 12V, continue with the test. If not, replace the relay. Disconnect power from pin 2 and measure voltage between pin 4 and pin 1. If the voltage is 12V, the relay is okay. If not, replace the relay.

C100

19B573

Y31
A/C clutch solenoid
(19D269)



F02245

Pin	Circuit	Circuit Function
1	231 (GY/WH)	A/C clutch relay, switched output
2	57 (BK)	Ground

C102c

14305

O5
Generator



F01057

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

C101

12B637

B43
Crankshaft position
sensor (6C315)



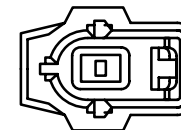
F02371

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

C103

12B637

N17
Oil pressure switch
(9278)



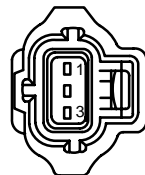
F01016

Pin	Circuit	Circuit Function
1	31 (WH/RD)	Engine oil pressure indicator, control

C102a

14305

O5
Generator



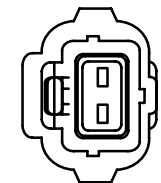
F03247

Pin	Circuit	Circuit Function
1	904 (LG/RD)	Charge (including: ammeter/voltmeter), indicator
2	—	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C104

9D930

B226
Engine Oil Temperature (EOT) sensor



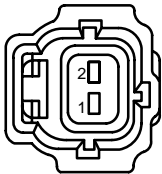
F02015

Pin	Circuit	Circuit function
1	354 (LG/RD)	signal from Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	Sensor signal return (reference/ground)

C107

14B102

B135
Cylinder-head tem-
perature sensor
(6G004)



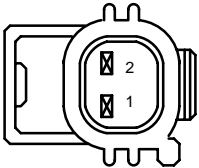
F02111

Pin	Circuit	Circuit Function
1	1102 (YE/LG)	Cylinder-head temperature sensor (6G004), to, Power-train Control Module (PCM) (12A650)
2	359 (GY/RD)	signal, return

C109

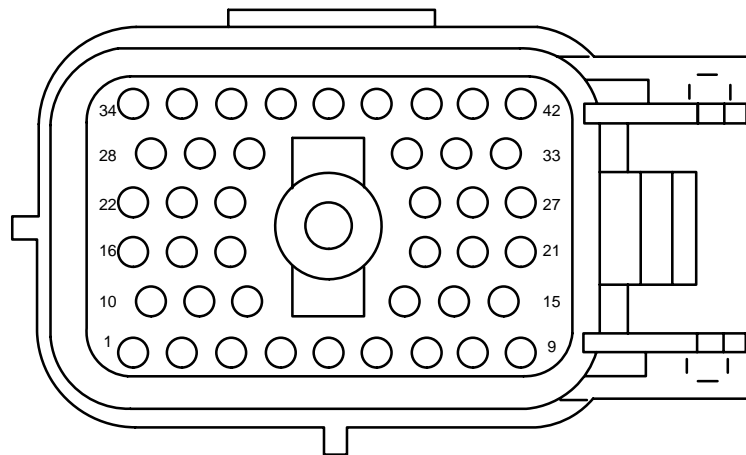
12B637

B45
Knock sensor
(12A699)



F02453

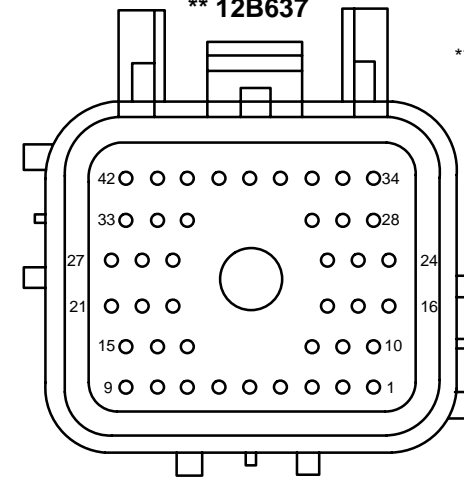
Pin	Circuit	Circuit Function
1	310 (YE/RD)	Sensor signal
2	311 (DG/VT)	Sensor signal

C110**12A581**

(1) –	(15) *48	(29) *45 (YE/RD)
(2) *555 (TN)	**559 (TN/BK)	**796 (LB)
(3) *556 (DG)	(16) *570 (BK/WH)	(30) *31 (WH/RD)
**1100 (GY/BK)	(17) *354 (LG/RD)	(31) *39 (RD/WH)
(4) **561 (TN/RD)	(18) **359 (GY/RD)	(32) *3996 (RD/YE)
**1101 (GY/RD)	(19) *359 (GY/RD)	**1028 (LB)
(5) *557 (BN/YE)	**560 (LG/OG)	(33) *796 (LB)
**1102 (YE/LG)	(20) *553 (VT/LB)	**1027 (PK/LB)
(6) *558 (BN/LB)	**561 (TN/RD)	(34) **16 (RD/LG)
(7) *559 (TN/BK)	(21) *351 (BN/WH)	(35) *16 (RD/LG)
**555 (TN)	**562 (LB)	**48
(8) *560 (LG/OG)	(22) *812 (DB/LG)	(36) *1183 (WH/YE)
**556 (DG)	**350 (GY)	**310 (YE/RD)
(9) **361 (RD)	(23) *318 (GY/RD)	(37) *1280 (GY/RD)
(10) *562 (LB)	**795 (DG)	**311 (DG/VT)
(11) *878 (PK/BK)	(24) *361 (RD)	(38) –
**355 (GY/WH)	(25) *552 (YE/RD)	(39) *795 (DG)
(12) *1087 (OG)	**31 (WH/RD)	**264 (WH/LB)
**351 (BN/WH)	(26) *462 (VT)	(40) –
(13) *1086 (VT/OG)	**1024 (LG/WH)	(41) *1277 (WH/LG)
**557 (BN/YE)	(27) **397 (BK/WH)	**1026 (PK/WH)
(14) *1291 (RD/YE)	(28) *1275 (WH/RD)	(42) **391 (RD/YE)
**558 (BN/LB)	**349 (DB)	

*** 9D930****** 12B637**

* = Diesel only
 ** = gasoline engines
 *** = California



(1) –	(15) *48	(29) *45 (YE/RD)
(2) *555 (TN)	**559 (TN/BK)	**796 (LB)
(3) *556 (DG)	(16) *570 (BK/WH)	(30) *31 (WH/RD)
**1100 (GY/BK)	(17) *354 (LG/RD)	(31) *39 (RD/WH)
***	(18) **359 (GY/RD)	(32) *3996 (RD/YE)
(4) *561 (TN/RD)	(19) *359 (GY/RD)	**1028 (LB)
**1101 (GY/RD)	**560 (LG/OG)	(33) *796 (LB)
***	(20) *553 (VT/LB)	**1027 (PK/LB)
(5) *557 (BN/YE)	**561 (TN/RD)	(34) **16 (RD/LG)
**1102 (YE/LG)	(21) *351 (BN/WH)	(35) *16 (RD/LG)
(6) *558 (BN/LB)	**562 (LB)	**48
(7) *559 (TN/BK)	(22) *812 (DB/LG)	(36) *1183 (WH/YE)
**555 (TN)	**350 (GY)	**310 (YE/RD)
(8) *560 (LG/OG)	(23) *318 (GY/RD)	(37) *1280 (GY/RD)
**556 (WH)	**795 (DG)	**311 (DG/VT)
(9) **361 (RD)	(24) *361 (RD)	(38) –
(10) *562 (LB)	(25) *552 (YE/RD)	(39) *795 (DG)
(11) *878 (PK/BK)	**31 (WH/RD)	**264 (WH/LB)
**355 (GY/WH)	(26) *462 (VT)	(40) –
(12) *1087 (OG)	**1024 (LG/WH)	(41) *1277 (WH/LG)
**351 (BN/WH)	(27) –	**1026 (PK/WH)
(13) *1086 (VT/OG)	(28) *1275 (WH/RD)	(42) **391 (RD/YE)
**557 (BN/YE)	**349 (DB)	
(14) *1291 (RD/YE)		
**558 (BN/LB)		

C111**12B637**

P66
Coil On Plug (COP)
1 (12029)

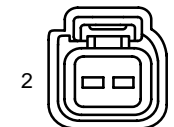


F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1024 (LG/WH)	Switched ground

C114**12B637**

P69
Coil On Plug (COP)
4 (12029)



F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1030 (DG/VT)	Switched ground

C112**12B637**

P67
Coil On Plug (COP)
2 (12029)



F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1027 (PK/LB)	Switched ground

C115**12B637**

P70
Coil On Plug (COP)
5 (12029)



F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1028 (WH/PK)	Switched ground

C113**12B637**

P68
Coil On Plug (COP)
3 (12029)



F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1026 (BK/WH)	Switched ground

C116**12B637**

P71
Coil On Plug (COP)
6 (12029)



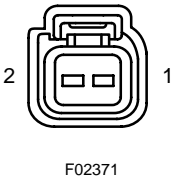
F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1025 (OG/YE)	Switched ground

C117

12B637

P72
Coil On Plug (COP)
7 (12029)

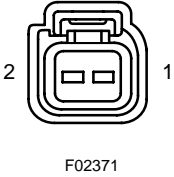


Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1030 (DG/VT)	Licence plate lamps

C118

12B637

P73
Coil On Plug (COP)
8 (12029)

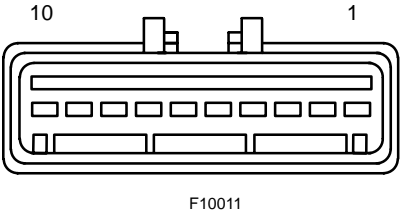


Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1029 (WH/RD)	Switched ground

C122

12A581

M87
Speed control servo
(9C735)

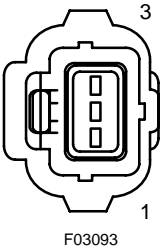


Pin	Circuit	Circuit Function
1	203 (OG/LB)	Cruise set, to antenna, control
2	–	not used
3	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
4	306 (TN/LB)	Brake pedal position switch (13480), input
5	151 (LB/BK)	Speed control switch, input
6	848 (DG/OG)	Speed control switch, Ground
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	–	not used
9	307 (BK/YE)	Brake pressure switch (2B264), input
10	57 (BK)	Ground

C124

12A581

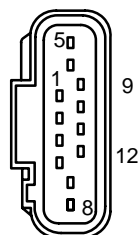
N1
Brake fluid level
switch (2L414)



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

C125**12A581**

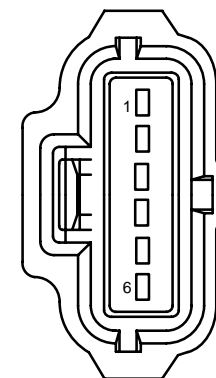
M111
Windshield wiper
motor (17508)



Pin	Circuit	Circuit Function
1	61 (YE/RD)	Wiper motor relay, high/low, input
2	—	not used
3	676 (PK/OG)	logic ground
4	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
5	65 (DG)	Wiper park relay, switched power, input
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)	Wiper switch circuit
10	56 (DG/OG)	Wiper high/low relay, switched power, output, High
11	58 (WH)	Wiper switch circuit
12	589 (OG)	Wiper/washer switch, wiper speed circuit

C128**12A690**

B22
Mass Air Flow
(MAF) sensor
(12B579)

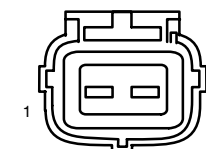


F06077

Pin	Circuit	Circuit function
1	359 (GY/RD)	Sensor signal return (reference/ground), Intake air temperature sensor
2	361 (RD)	fused feed
3	570 (BK/WH)	Ground
4	968 (TN/LB)	Sensor signal return (reference/ground)
5	967 (LB/RD)	monitor
6	743 (GY)	Intake air temperature sensor, signal

C129**9D930**

B213
Intake Air Temperature (IAT) sensor
(12A697)



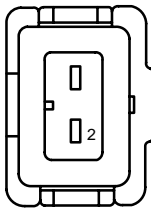
F02099

Pin	Circuit	Circuit function
1	743 (GY)	signal from Powertrain Control Module (PCM) (12A650)
2	359 (GY/RD)	Sensor signal return (reference/ground)

C131

12A581

H1
Horn (13832)



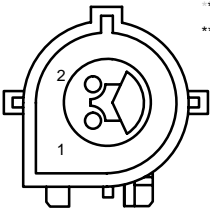
F02089

Pin	Circuit	Circuit Function
1	6 (YE/LG)	Horn relay, switched power, output
2	57 (BK)	Ground

C132

12A581 Excursion
14K073 Pickup

B203
Ambient air temper-
ature sensor
(19E702)



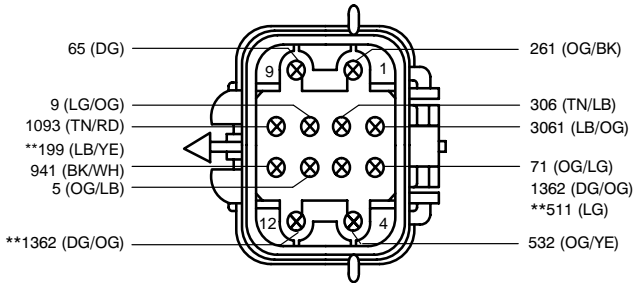
* Excursion
** Federal

F02080

Pin	Circuit	Circuit function
1	407 (PK/BK)	Sensor signal return (reference/ground)
	676 (PK/OG)	Ground
2	3061 (LB/OG)	monitor

C134

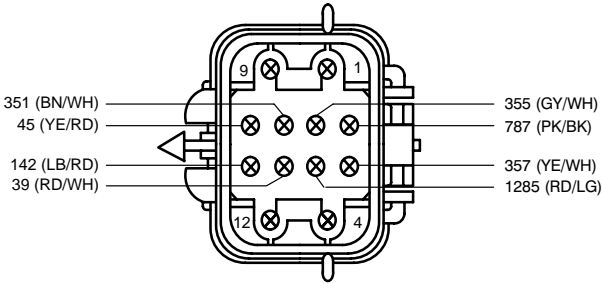
14401



F12060

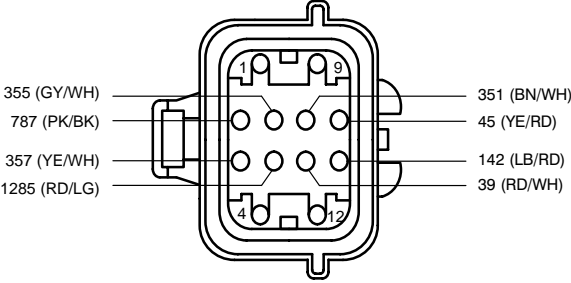
C133

14401



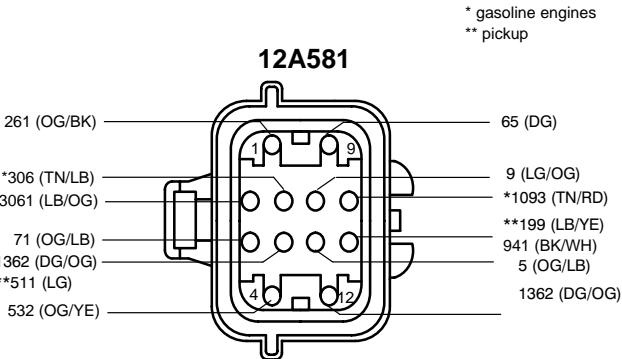
F12060

12A581



F12062

12A581

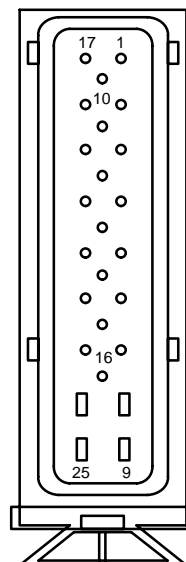


F12062

* gasoline engines
** pickup

C135**12A581**

A7
ABS control module
(2C219)



F25010

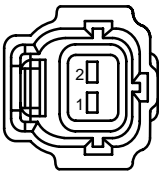
Pin	Circuit	Circuit Function
1	70 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	–	not used
4	522 (TN/BK)	Wheel speed sensor, left front (2C205) –
5	516 (YE/BK)	Wheel speed sensor, right front (2C204) –
6	519 (LG/BK)	Wheel speed sensor, left rear –
7	210 (LB)	Four-wheel drive control module, to, Instrument cluster
8	530 (LG/YE)	Chassis Ground
9	532 (OG/YE)	Voltage supplied at all times (overload protected)
10	512 (TN/LG)	Brake indicator, control
11	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
12	521 (TN/OG)	Wheel speed sensor, left front (2C205) +

Pin	Circuit	Circuit Function
13	514 (YE/RD)	Wheel speed sensor, right front (2C204) +
14	523 (RD/PK)	Wheel speed sensor, right rear +
15	603 (DG)	Anti-lock brake indicator, control
16	533 (TN/RD)	Voltage supplied at all times (overload protected)
17	–	not used
18	–	not used
19	–	not used
20	–	not used
21	–	not used
22	–	not used
23	–	not used
24	530 (LG/YE)	Chassis Ground
25	532 (OG/YE)	Voltage supplied at all times (overload protected)

C137

12A581

M112
Windshield washer
pump motor (17618)

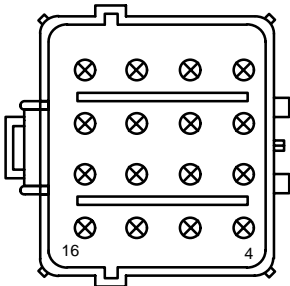


F02091

Pin	Circuit	Circuit Function
1	941 (BK/WH)	Windshield washer pump motor (17618), feed
2	57 (BK)	Ground

C139

12A581



F16087

- (1) **39 (RD/WH)

(2) *351 (BN/WH)

(3) **1285 (RD/LG)

(4) **45 (YE/RD)

(5) **357 (YE/WH)

(6) *693 (OG)
- (7)

(8) 419 (DG/LG)

(9) 418 (DG/YE)

(10) *142 (LB/RD)

(11)
- (12)

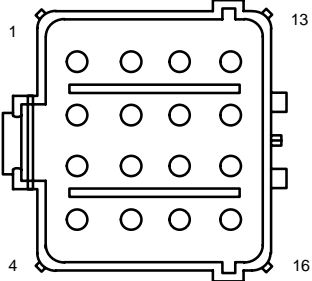
(13) 417 (VT/OG)

(14) 635 (YE)

(15) *355 (GY/WH)

(16) *787 (PK/BK)

14401



F16020

- (1) **39 (RD/WH)

(2) **351 (BN/WH)

(3) **1285 (RD/LG)

(4) **45 (YE/RD)

(5) **357 (YE/WH)

(6) *693 (OG)
- (7)

(8) *419 (DG/LG)

(9) *418 (DG/YE)

(10) **142 (LB/RD)

(11)
- (12)

(13) *417 (VT/OG)

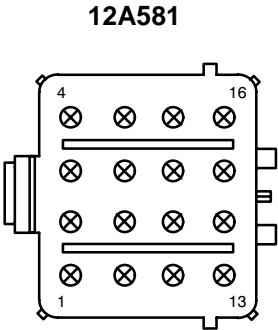
(14) *635 (YE)

(15) **355 (GY/WH)

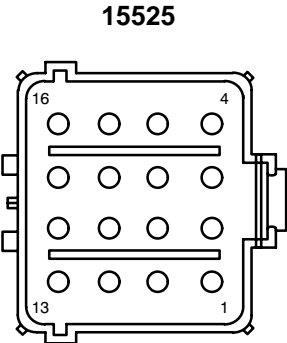
(16) **787 (PK/BK)

* = gasoline en-
gines
** = Diesel only

C140



F16093



F16020

- (1) 523 (RD/PK)

(2) 519 (LG/BK)

(3) 9 (LG/OG)

(4) 5 (OG/LB)

(5) 64 (DG)

(6) 52 (YE)
- (7) 511 (LG)

(8) 351 (BN/WH)

(9) 791 (RD/PK)

(10) 359 (GY/RD)

(11) –

(12) –
- (13) 392 (RD/LG)

(14) 389 (WH/BK)

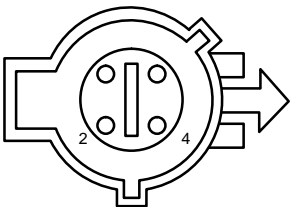
(15) 391 (RD/YE)

(16) –

C142

14405

B88
Heated Oxygen
Sensor (HO2S) #12
(9F472)



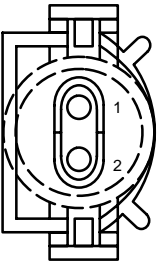
F04251

Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	389 (WH/BK)	Heated Oxygen Sensor (HO2S) #21 (9G444), heater
3	359 (GY/RD)	signal, return
4	392 (RD/LG)	Heated Oxygen Sensor (HO2S) #21 (9G444), input

C143

15525

B44
Turbine shaft speed
sensor (7M101)

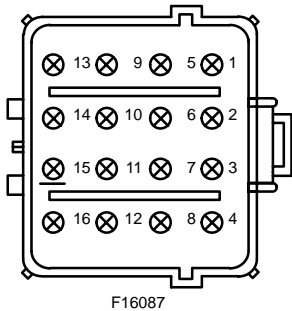


F02031

Pin	Circuit	Circuit Function
1	970 (DG/WH)	Turbine shaft speed sensor (7M101)
2	359 (GY/RD)	signal, return

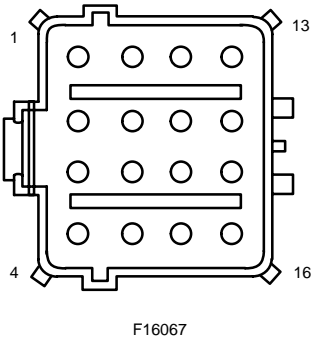
C144

12A581



- | | | |
|------------------|------------------|-------------------|
| (1) 870 (VT/YE) | (7) | (12) 781 (OG/LB) |
| (2) *911 (WH/LG) | (8) 162 (LG/RD) | (13) 770 (WH) |
| (3) 764 (BN/WH) | (9) 976 (OG) | (14) 145 (GY/BK) |
| (4) 15 (RD/YE) | (10) 763 (OG/WH) | (15) *463 (RD/WH) |
| (5) 782 (BN/WH) | (11) 771 (VT/YE) | (16) 605 (RD) |
| (6) *224 (TN/WH) | | |

14401

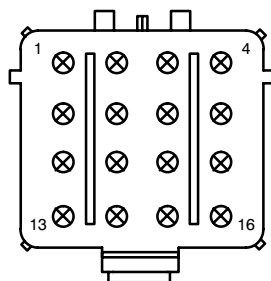


- | | | |
|-----------------|------------------|------------------|
| (1) 870 (VT/YE) | (7) | (12) 781 (OG/LB) |
| (2) 911 (WH/LG) | (8) 162 (LG/RD) | (13) 770 (WH) |
| (3) 764 (BN/WH) | (9) 976 (OG) | (14) 145 (GY/BK) |
| (4) 15 (RD/YE) | (10) 763 (OG/WH) | (15) 463 (RD/WH) |
| (5) 782 (BN/WH) | (11) 771 (VT/YE) | (16) 605 (RD) |
| (6) 224 (TN/WH) | | |

* = Diesel only

C145

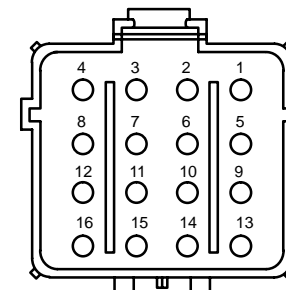
14401



F16093

- | | | |
|-----------------|------------------|------------------|
| (1) 603 (DG) | (7) 752 (YE/RD) | (13) 848 (DG/OG) |
| (2) 754 (LG/WH) | (8) 61 (YE/RD) | (14) 915 (PK/LB) |
| (3) 589 (OG) | (9) 16 (RD/LG) | (15) 914 (TN/OG) |
| (4) 210 (LB) | (10) 975 (BN/YE) | (16) 203 (OG/LB) |
| (5) 704 (DG/LG) | (11) 31 (WH/RD) | |
| (6) 570 (BK/WH) | (12) 56 (DB/OG) | |

12A581



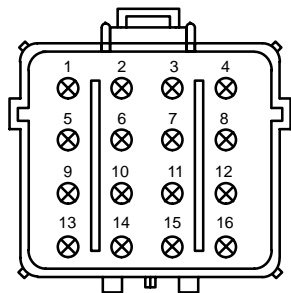
F16089

- | | | |
|-----------------|------------------|-------------------|
| (1) 603 (DG) | (7) 752 (YE/RD) | (13) *848 (DG/OG) |
| (2) 754 (LG/WH) | (8) 61 (YE/RD) | **359 (GY/RD) |
| (3) 589 (OG) | (9) 16 (RD/LG) | (14) 915 (PK/LB) |
| (4) 210 (LB) | (10) 975 (BN/YE) | (15) 914 (TN/OG) |
| (5) 704 (DG/LG) | (11) 31 (WH/RD) | (16) 203 (OG/LB) |
| (6) 570 (BK/WH) | (12) 56 (DB/OG) | |

* = Diesel only
** = gasoline engines

C146

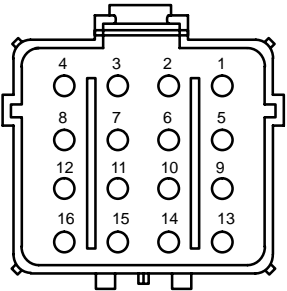
14401



F16087

- | | | |
|-----------------|-----------------|-------------------|
| (1) 676 (PK/OG) | (7) 679 (GY/BK) | (12) 512 (TN/LG) |
| (2) 348 (VT) | (8) 904 (LB/RD) | (13) 1002 (BK/PK) |
| (3) 151 (LB/BK) | (9) 63 (RD) | (14) 2 (WH/LB) |
| (4) 13 (RD/BK) | (10) 3 (LG/WH) | (15) 58 (WH) |
| (5) 70 (LB/WH) | (11) 107 (VT) | (16) 810 (RD/LG) |
| (6) 531 (DG/YE) | | |

12A581



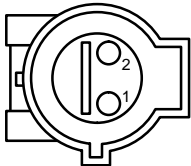
F16089

- | | | |
|------------------|-----------------|-------------------|
| (1) 676 (PK/OG) | (7) 679 (GY/BK) | (12) 512 (TN/LG) |
| (2) 348 (VT) | (8) 904 (LB/RD) | (13) 1002 (BK/PK) |
| (3) 151 (LB/BK) | (9) 63 (RD) | (14) 2 (WH/LB) |
| (4) 1033 (RD/YE) | (10) 3 (LG/WH) | (15) 58 (WH) |
| (5) 70 (LB/WH) | (11) 107 (VT) | (16) 810 (RD/LG) |
| (6) 531 (DG/YE) | | |

C150 (BK)

12A581

B15
Wheel speed sensor, left front (2C205)



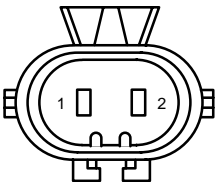
F02085

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

C152

15A211

E43
Fog lamp, left front (15200)



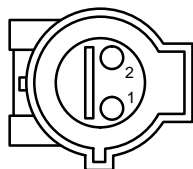
F02245

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C160

12A581

B14
Wheel speed sensor, right front (2C204)



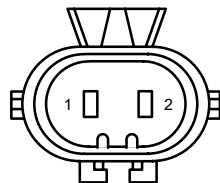
F02085

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

C162

15A211

E42
Fog lamp, right front (15200)



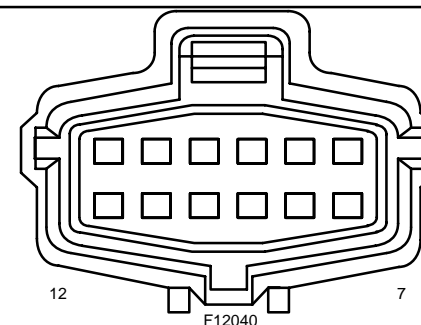
F02245

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	478 (TN/OG)	Fog lamp switch, to front fog lamp

C167

15525

B234
Digital Transmission Range (DTR) sensor (7F293)



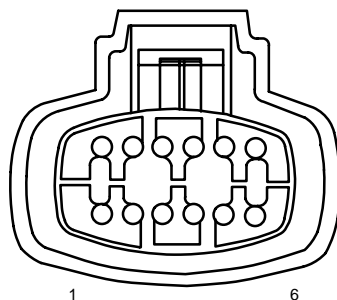
F12040

Pin	Circuit	Circuit Function
1	–	not used
2	359 (GY/RD)	signal, return
3	199 (LB/YE)	Digital Transmission Range (DTR) sensor to Powertrain Control Module (PCM) (12A650)
4	1144 (YE/BK)	Digital Transmission Range (DTR) sensor, TR1
5	1145 (LB/BK)	Digital Transmission Range (DTR) sensor, TR2
6	1143 (WH/BK)	Digital Transmission Range (DTR) sensor, TR4
7	–	not used
8	–	not used
9	295 (LB/PK)	electronic cluster, Accessory, feed
10	33 (WH/PK)	switched power, to starter solenoid
11	140 (BK/PK)	Voltage supplied in reverse
12	1093 (TN/RD)	Power, Hot in Start with Park or Neutral

C168

15525

A120
Automatic transmis-
sion module
(7G422)



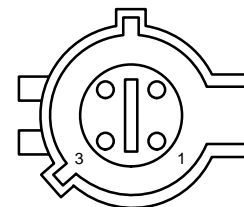
F12139

Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	315 (VT/OG)	Shift solenoid B
3	237 (OG/YE)	Shift solenoid A
4	480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
5	924 (BN/OG)	Powertrain Control Module (PCM) (12A650), to transmis- sion coast clutch solenoid
6	—	not used
7	923 (BN/OG)	Transmission Fluid Temperature (TFT) sensor, input
8	359 (GY/RD)	Voltage supplied in Start and Run (overload protected)
9	—	not used
10	—	not used
11	925 (WH/YE)	Injector pressure sensor, input
12	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C171

12B637

B48
Heated Oxygen
Sensor (HO2S) #11
(9G444)



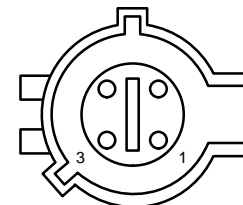
F04082

Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9G444), heater
3	359 (GY/RD)	signal, return
4	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9G444), input

C172

12B637

B47
Heated Oxygen
Sensor (HO2S) #21
(9G444)



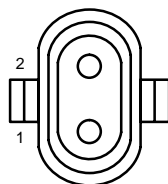
F04082

Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #21 (9G444), heater
3	359 (GY/RD)	signal, return
4	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #21 (9G444), input

C169

15525

N19
Reversing lamps
switch



F02353

Pin	Circuit	Circuit Function
1	140 (BK/PK)	Voltage supplied in reverse
2	295 (LB/PK)	electronic cluster, Accessory, feed

C174 (GY)

12B637

U10
Ignition transformer
capacitor 1 (18801)



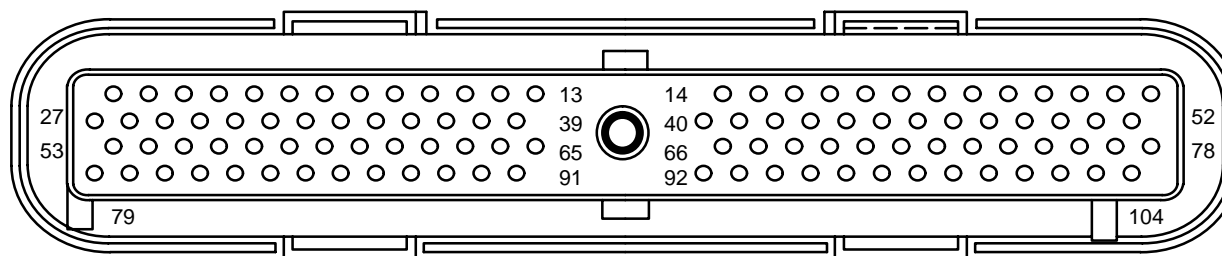
F01031

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

C175 Gasoline engines

12A581

A147
Powertrain Control
Module (PCM)
(12A650)



* with automatic
transmission
** California

F104001

Pin	Circuit	Circuit Function
1	1025 (OG/YE)	Ignition coil, control
2	–	not used
3	570 (BK/WH)	Ground
4	322 (LB/YE)	Customer access 1
5	–	not used
6	237 (OG/YE)*	Shift solenoid A
7	–	not used
8	–	not used
9	–	not used
10	–	not used
11	315 (VT/OG)*	Shift solenoid B
12	911 (WH/LG)*	Transmission Control Indicator Lamp (TCIL)
13	107 (VT)	Module programming signal
14	–	not used
15	915 (PK/LB)	SCP Bus –
16	914 (TN/OG)	SCP Bus +
17	–	not used
18	–	not used
19	–	not used
20	924 (BN/OG)*	Powertrain Control Module (PCM) (12A650), to Electronic Pressure Control (EPC) solenoid
21	349 (DB)	Crankshaft position sensor (6C315) +
22	350 (GY)	Crankshaft position sensor (6C315) –
23	570 (BK/WH)	Ground
24	570 (BK/WH)	Ground
25	567 (LB/YE)	Ground

Pin	Circuit	Circuit Function
26	1024 (LG/WH)	Ignition coil, control
27	1021 (LG/YE)	Ignition coil, control
28	–	not used
29	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch
30	–	not used
31	–	not used
32	311 (DG/VT)	Knock sensor (12A699)
33	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
34	1144 (WH/YE)*	Digital Transmission Range (DTR) sensor TR1
35	392 (RD/LG)**	Heated Oxygen Sensor (HO2S) #21 (9G444), input
36	968 (TN/LB)	Mass Air Flow (MAF) sensor (12B579), signal, return
37	923 (OG/BK)*	Transmission Fluid Temperature (TFT) sensor, input
38	–	not used
39	743 (GY)	Intake Air Temperature (IAT) sensor (12A697), input
40	238 (DG/YE)	Fuel pump relay, switched power, output
41	439 (TN/LG)	A/C pressure switch, signal
42	1101 (GY/RD)	Injector 10 (9F593), control
43	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data output link
44	–	not used
45	–	not used
46	–	not used
47	360 (BN/PK)**	EGR Vacuum Regulator (EVR), control
48	76 (LG/WH)	Customer access 1

150-17 Connector Views

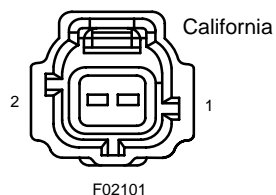
Pin	Circuit	Circuit Function
50	*1143 (DG/YE)	Digital Transmission Range (DTR) sensor TR4
51	570 (BK/WH)	Ground
52	1028 (WH/PK)	Ignition coil, control
53	1030 (DG/VT)	Ignition coil, control
54	*480 (VT/YE)	Torque Converter Clutch (TCC) solenoid
55	719 (RD/WH)	Voltage supplied at all times (overload protected)
56	191 (LG/BK)	Powertrain Control Module (PCM) (12A650), EVAP canister purge valve
57	310 (YE/RD)	Knock sensor (12A699)
58	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
59	*970 (DG/WH)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101)
60	74 (GY/LB)	Heated Oxygen Sensor (HO2S) #11 (9G444), input
61	–	not used
62	791 (RD/PK)**	Fuel tank pressure transducer sensor (9C968)
63	–	not used
64	199 (LB/YE)	Digital Transmission Range (DTR) sensor, to Powertrain Control Module (PCM) (12A650)
65	352 (BN/LG)**	Differential Pressure Feedback EGR (DPFE) sensor, input
66	1102 (YE/LG)	Cylinder-head temperature sensor (6G004), to, Powertrain Control Module (PCM) (12A650)
67	91 (VT/WH)**	Canister vent
68	1100 (GY/BK)	Injector 9 (9F593), control
69	331 (PK/YE)	A/C clutch relay, control
70	–	not used
71	361 (RD)	Voltage supplied in Start and Run (overload protected)
72	561 (TN/RD)	Injector 7, control
73	559 (TN/BK)	Injector 5, control
74	557 (BN/YE)	Injector 3, control
75	555 (TN)	Injector 1, control
76	570 (BK/WH)	Ground

Pin	Circuit	Circuit Function
77	570 (BK/WH)	Ground
78	1027 (PK/LB)	Ignition coil, control
79	1029 (WH/RD)	Ignition coil, control
80	926 (LB/OG)	Fuel pump relay, control
81	*925 (WH/YE)	Injector pressure sensor, input
82	1142 (WH/RD)	Ignition coil, control
83	264 (WH/LB)	Idle air control valve (IAC) (9F715), control
84	136 (DB/YE)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101)
85	795 (DG)	Camshaft position sensor (6B288), to, Powertrain Control Module (PCM) (12A650)
86	–	not used
87	94 (RD/BK)	Heated Oxygen Sensor (HO2S) #12 (9F472), input
88	967 (LB/RD)	Mass Air Flow (MAF) sensor (12B579), output
89	355 (GY/WH)	Throttle Position Sensor (TPS) (9B989), input
90	351 (BN/WH)	Reference, voltage
91	359 (GY/RD)	signal, return
92	810 (RD/LG)	Brake pedal position switch (13480), input
93	387 (RD/WH)	Heated Oxygen Sensor (HO2S) #11 (9G444), heater
94	388 (YE/LB)	Heated Oxygen Sensor (HO2S) #12 (9F472), heater
95	389 (WH/BK)**	Heated Oxygen Sensor (HO2S) #21 (9G444), heater
96	–	not used
97	361 (RD)	Voltage supplied in Start and Run (overload protected)
98	562 (LB)	Injector 8, control
99	560 (LG/OG)	Injector 6, control
100	558 (BN/LG)	Injector 4, control
101	556 (WH)	Injector 2, control
102	1141 (YE/BK)	Ignition coil, control
103	570 (BK/WH)	Ground
104	1026 (PK/WH)	Ignition coil, control

C179

12B637

Y33
Electr. Vacuum Reg-
ulator (EVR) sole-
noid valve

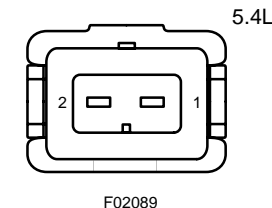
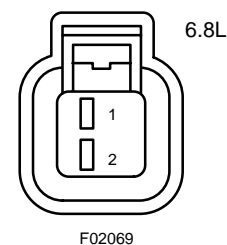


Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	360 (BN/PK)	EGR Vacuum Regulator (EVR), control

C182

12B637

Y109
Injector 2 (9F593)

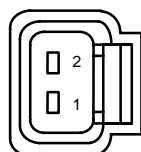


Pin	Circuit	Circuit Function
1	556 (WH)	Injector 2, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C180

12B637

B41
Camshaft position
sensor (6B288)

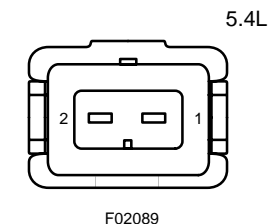
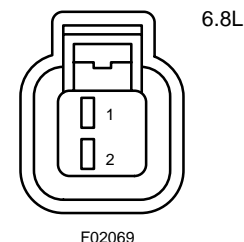


Pin	Circuit	Circuit Function
1	796 (LB)	Camshaft position sensor (6B288), signal, return
2	795 (DG)	Camshaft position sensor (6B288), to, Powertrain Control Module (PCM) (12A650)

C183

12B637

Y110
Injector 3 (9F593)

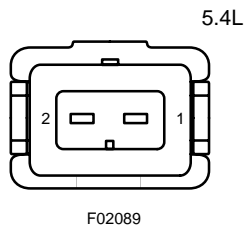
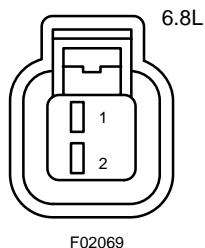


Pin	Circuit	Circuit Function
1	557 (BN/YE)	Injector 3, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C181

12B637

Y108
Injector 1 (9F593)

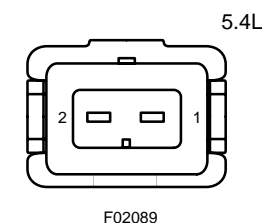
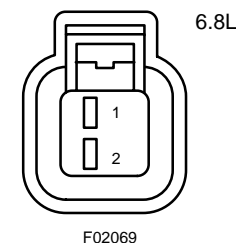


Pin	Circuit	Circuit Function
1	555 (TN)	Injector 1, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C184

12B637

Y111
Injector 4 (9F593)

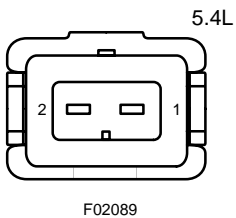
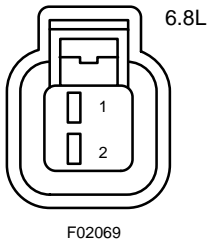


Pin	Circuit	Circuit Function
1	558 (BN/LB)	Injector 4, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C185

12B637

Y112
Injector 5 (9F593)

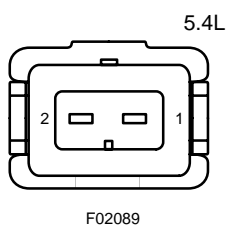
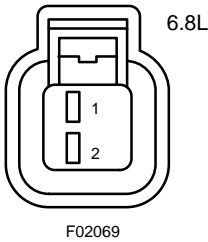


Pin	Circuit	Circuit Function
1	559 (TN/BK)	Injector 5, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C188

12B637

Y209
Injector 8 (9F593)

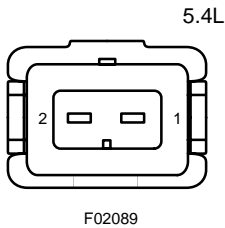
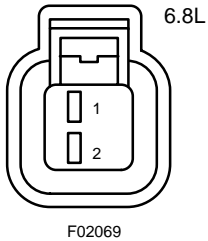


Pin	Circuit	Circuit Function
1	562 (LB)	Injector 8, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C186

12B637

Y113
Injector 6 (9F593)

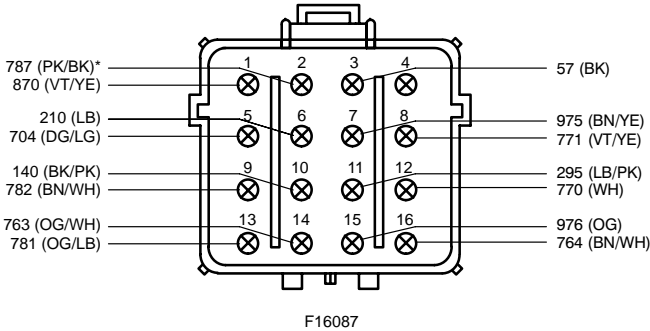


Pin	Circuit	Circuit Function
1	560 (LG/OG)	Injector 6, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C192

15525

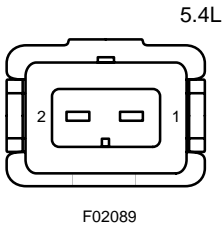
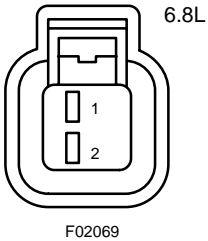
* Diesel only
** automatic transmission



C187

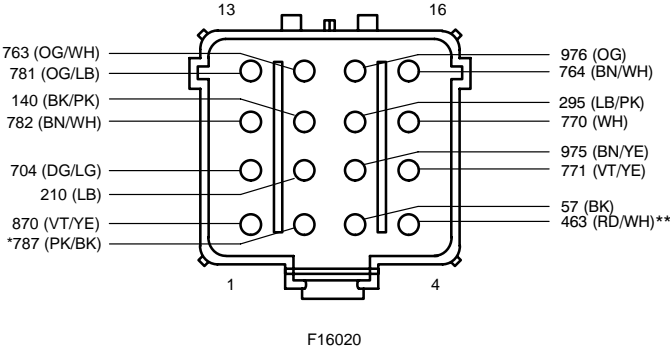
12B637

Y207
Injector 7 (9F593)



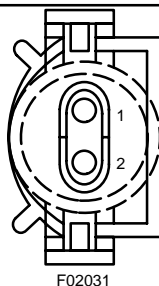
Pin	Circuit	Circuit Function
1	561 (TN/RD)	Injector 7, control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

12A581



C193**15525**

B110
Output Shaft Speed
(OSS) sensor
(7M101)

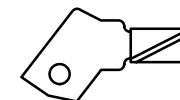


F02031

Pin	Circuit	Circuit Function
1	136 (DB/YE)	Powertrain Control Module (PCM) (12A650) – Output Shaft Speed (OSS) sensor (7M101)
2	359 (GY/RD)	signal, return

C197a**14B060****14300**

M8
Starter motor
(11002)



F01063

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

C194**12B637**

U11
Ignition transformer
capacitor 2 (18801)

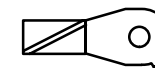


F01031

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

C197b**14300**

M8
Starter motor
(11002)

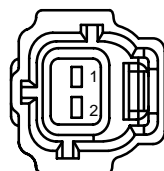


F01061

Pin	Circuit	Circuit Function
1	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)

C196**12A581**

R5
Daytime running
lamps resistor



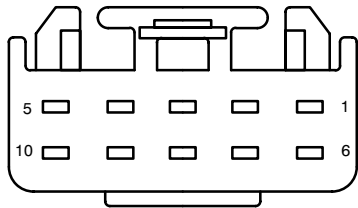
F02101

Pin	Circuit	Circuit Function
1	471 (OG/LG)	Daytime running lamps resistor, to, Headlamp relay
2	554 (YE/BK)	Voltage supplied at all times (overload protected)

C202a

14401

N442
Multifunction switch



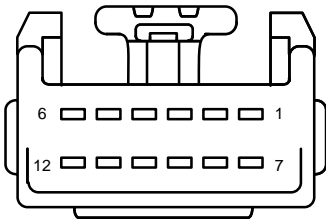
F10042

Pin	Circuit	Circuit Function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	44 (LB)	Turn signal flasher, to turn signal switch
3	385 (WH/RD)	Voltage supplied at all times (overload protected)
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

C202b

14401

N442
Multifunction switch

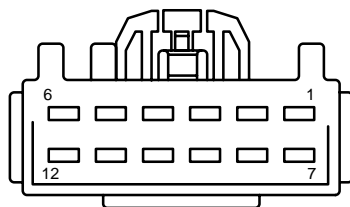


F12075

Pin	Circuit	Circuit Function
1	63 (RD)	Switched ground, to, Windshield wiper motor (17508)
2	56 (DB/OG)	Switched ground, to, Windshield wiper motor (17508)
3	58 (WH)	Switched ground, to, Windshield wiper motor (17508)
4	61 (YE/RD)	Switched ground, to, Windshield wiper motor (17508)
5	589 (OG)	Switched ground, to, Windshield wiper motor (17508)
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	993 (BN/WH)	Switched ground, to, Rear wiper motor assembly
12	1300 (VT)	Switched ground, to, Rear wiper motor assembly

C205a**14401**

N113
Main light switch
(11654)

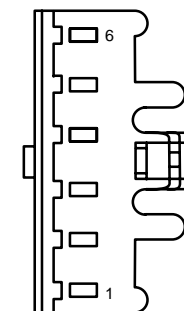


F12107

Pin	Circuit	Circuit Function
1	–	not used
2	13 (RD/BK)	Power, Hot with Low Beams on
3	–	not used
4	–	not used
5	275 (YE)	Blower motor relay, control
6	57 (BK)	Ground
7	1399 (DB/WH)	autolamps, On
8	196 (DB/OG)	Voltage supplied at all times (overload protected)
9	15 (RD/YE)	Power, Hot with Headlamps on
10	195 (TN/WH)	Park lamp relay – fused feed
11	–	not used
12	14 (BN)	Power, Exterior lamps

C205b**14401**

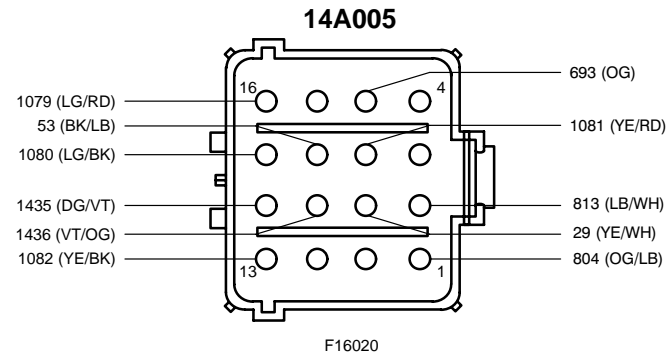
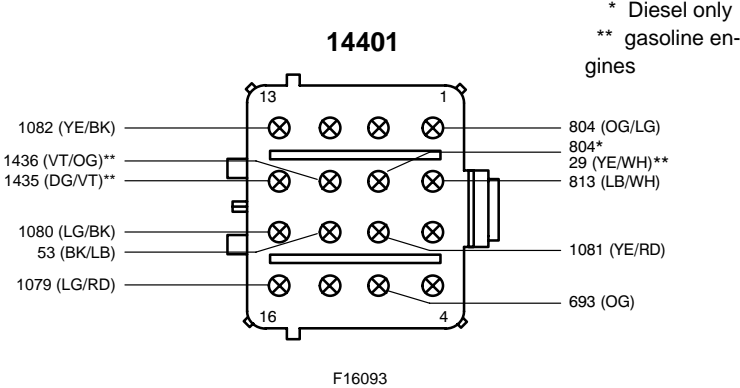
N113
Main light switch
(11654)



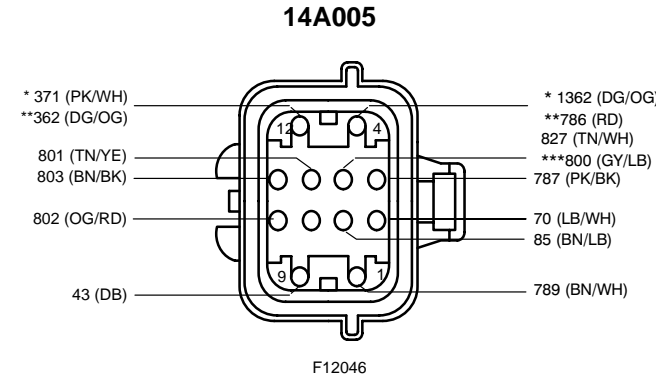
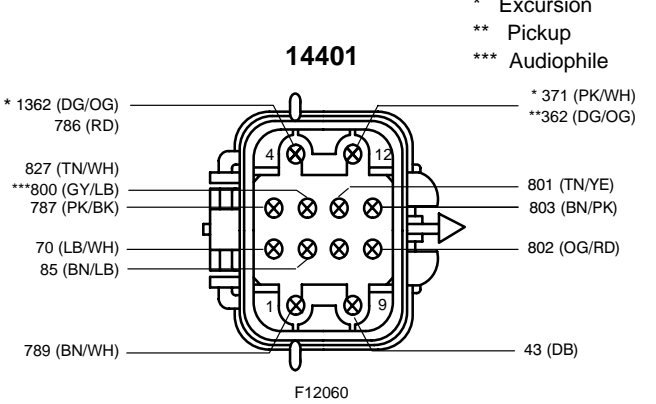
F06209

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Voltage supplied at all times (overload protected)
2	402 (OG/LG)	Interior lamp relay, feed
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	14 (BN)	Power, Exterior lamps

C210

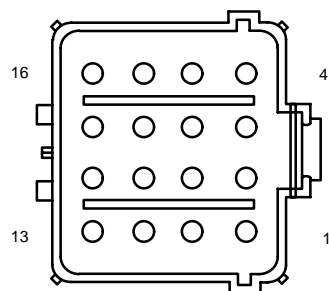


C211



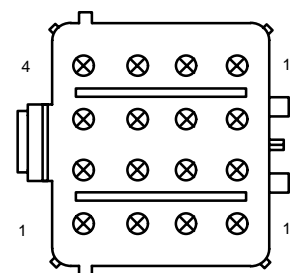
C212

14401



F16034

14A005



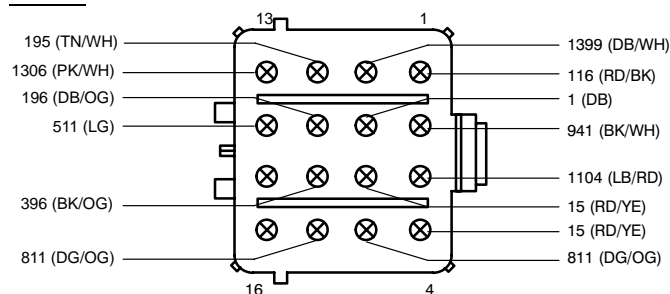
F16036

- * Pickup
- ** W/Video Cassette Player
- *** W/DVD Player
- **** Diesel Pickup

- | | | |
|---|--------------------------------------|-------------------------------------|
| (1) 2 (WH/LB)
*92 (LB/YE)
*33 (WH/PK) | (6) *199 (LB/YE)
**447 (OG/RD) | (12) *891 (RD/BK)
***799 (OG/BK) |
| (2) 3 (LG/WH)
*1093 (TN/RD) | (7) **76 (LGWH)
***690 (GY) | (13) **1808 (BK)
***1068 (LG/BK) |
| (3) *306 (TN/LB)
**1541 (DB) | (8) **1402 (RD/WH)
***798 (LG/RD) | (14) **1807 (WH)
***832 (LB/PK) |
| (4) *810 (RD/LG)
**1540 (DG)
***48
****640 (RD/YE) | (9) **48
***833 (TN) | (15) 993 (BN/WH) |
| (5) *33 (WH/PK)
**48
***446 (OG/WH) | (10) 694 (BK/LG) | (16) 1300 (VT) |
| | (11) **99 (LG/BK)
***856 (VT) | |

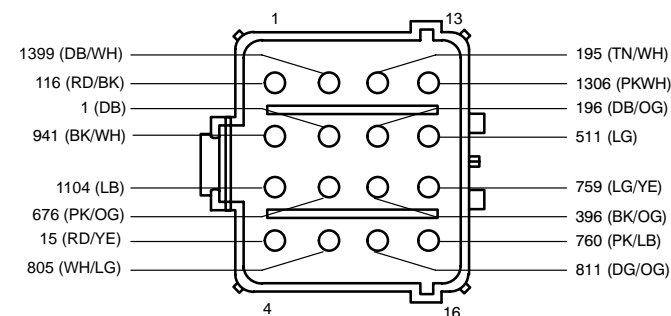
C213

14A005



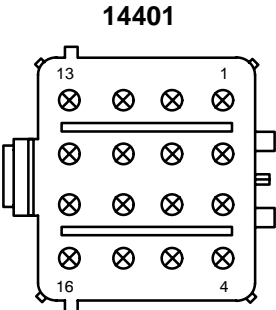
F16093

14401



F16020

C214



F16036

- (1) 829 (WH/VT)

(2) 694 (BJ/LG)

(3) 1068 (LG/BK)

(4) 19 (LB/RD)

(5) 48801 (TN/YE)

(6)
- (7)

(8) 1542 (RD)

(9) 827 (TN/WH)

(10) 802 (OG/RD)

(11) 803 (BN/PK)
- (12) 825 (TN/LG)

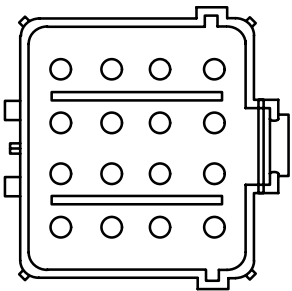
(13) 800 (GY/LB)

(14) 57 (BK)

(15) 833 (TN)

(16) 832 (LB/PK)

14B079

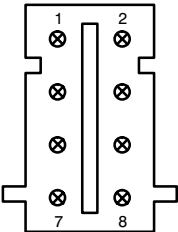


F16034

C218a

14401

P140
Air bag sliding con-
tact (14A664)



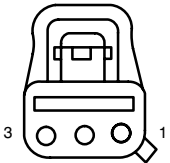
F08245

Pin	Circuit	Circuit Function
1	–	not used
2	595 (LB/RD)	Auxiliary audio controls, steering wheel
3	151 (LB/BK)	Speed control switch, input
4	1 (DB)	Horn relay, control
5	19 (LB/RD)	Voltage supplied at all times (overload protected)
6	848 (DG/OG)	Speed control switch, Ground
7	57 (BK)	Ground
8	158 (BK/PK)	Key warning switch (11A127), input

C218b (BN)

14401

P140
Air bag sliding con-
tact (14A664)

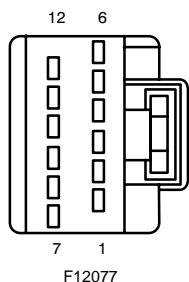


Pin	Circuit	Circuit Function
1	615 (GY/WH)	Driver air bag, return
2	–	not used
3	614 (GY/OG)	Driver air bag, feed, monitor

C220a

14401

A30
Instrument cluster

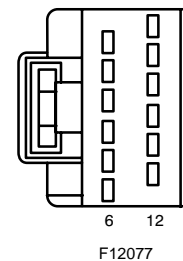


No.	Circuit	Circuit function
1	914 (TN/OG)	SCP Bus +
2	915 (PK/LB)	SCP Bus –
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	396 (BK/OG)	Fuel sender, logic ground
5	3 (LG/WH)	Turn lamps, feed, left front
6	–	not used
7	693 (OG)	Voltage supplied at all times (overload protected)
8	402 (OG/LG)	Interior lamp relay, feed
9	–	not used
10	419 (DG/LG)	Air suspension module (3C142), to, Instrumentation and Warning System
11	789 (BN/WH)	Fuel Tank Selector, indicator
12	–	not used

C220b

14401

A30
Instrument cluster

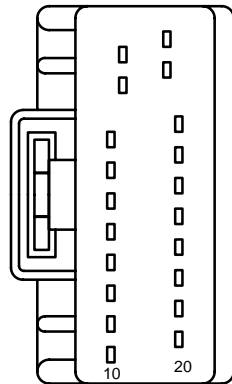


Pin	Circuit	Circuit Function
1	759 (LG/YE)	Door ajar switch, left rear
2	760 (PK/LB)	Door ajar switch, right rear
3	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
4	975 (BU/YE)	Four-wheel drive control module, to, Transfer case assembly
5	210 (LB)	Four-wheel drive control module, to, Instrument cluster
6	85 (BN/LB)	Safety belt buckle switch (10B924), input
7	–	not used
8	1332 (LB)	Accessory delay relay, Terminal number
9	158 (BK/PK)	Key warning switch (11A127), input
10	1083 (LB/BK)	Air bag, tone driver
11	162 (LG/RD)	Parking brake switch (15A851)
12	904 (LG/RD)	Generator/Battery indicator, control

C220c

14401

A30
Instrument cluster



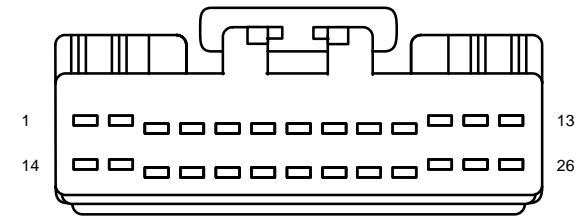
F20020

Pin	Circuit	Circuit Function
1	54 (LG/YE)	Voltage supplied at all times (overload protected)
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	–	not used
4	2 (WH/LB)	Turn lamps, feed, right front
5	12 (LG/BK)	Switched, Ground
6	–	not used
7	–	not used
8	31 (WH/RD)	Engine oil pressure indicator, control
9	512 (TN/LG)	Brake indicator, control
10	531 (DG/YE)	Brake fluid level switch (2L414), signal
11	705 (DG/OG)	Battery saver relay, switched power
12	785 (BK/LG)	Voltage supplied at all times (overload protected)
13	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
14	608 (BK/YE)	Air bag indicator, control
15	57 (BK)	Ground
16	19 (LB/RD)	Voltage supplied at all times (overload protected)
17	203 (OG/LB)	Cruise set, indicator, control
18	603 (DG)	Anti-lock brake indicator, control
19	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
20	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)

C228a

14401

A205
Electronic Automatic
Temperature Control
(EATC) module
(19980)

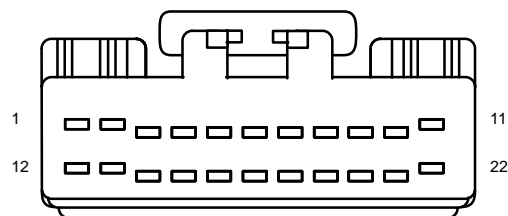


F26015

Pin	Circuit	Circuit function
1	–	not used
2	676 (PK/OG)	logic ground
3	752 (YE/RD)	Blower motor speed controller, Signal return
4	436 (RD/LG)	Blend door actuator, position sense +
5	1070 (BN/LB)	to heater/A/C controls, in steering wheel
6	–	not used
7	3061 (LB/OG)	Temperature, with anti-theft/central locking module +
8	–	not used
9	1112 (WH/LB)	Remote solenoid assembly, common
10	261 (OG/BK)	Blower motor, High
11	1111 (VT)	Remote solenoid assembly
12	1110 (LG/VT)	Remote solenoid assembly
13	1107 (WH)	Remote solenoid assembly
14	19 (LB/RD)	Illumination dimmer
15	–	not used
16	754 (LG/WH)	Temperature, with anti-theft/central locking module +
17	–	not used
18	–	not used
19	790 (WH/OG)	Temperature, with anti-theft/central locking module +
20	217 (DB/OG)	Sunload sensor (19E663), signal
21	437 (YE/LG)	Blend door actuator, position sense, monitor
22	–	not used
23	399 (BN/YE)	Blower motor relay, control
24	–	not used
25	1109 (OG/BK)	Remote solenoid assembly
26	1108 (TN.WH)	Remote solenoid assembly

C228b**14401**

A205
Electronic Automatic
Temperature Control
(EATC) module
(19980)

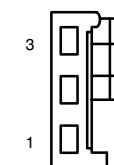


F22017

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 (reference/ground)
6	438 (RD/WH)	Blend door actuator, signal –
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)	logic ground, Pressure
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)

C233**14401**

B206
In-vehicle tempera-
ture sensor
(19C734)

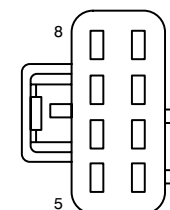


F03032

Pin	Circuit	Circuit function
1	790 (WH/OG)	signal from Electronic Automatic Temperature Control (EATC) module (19980)
2	–	not used
3	470 (PK/BK)	Sensor signal return (reference/ground)

C241**14401**

N10
Rear window defrost
switch (18578)



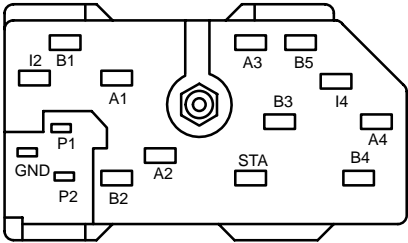
F08187

Pin	Circuit	Circuit Function
1	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
2	1010 (DB/OG)	Rear window defrost switch (18578), input
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	59 (DG/VT)	Fused rear window defrost relay, switched power
7	–	not used
8	19 (LB/RD)	Switch illumination

C250

14401

N278
Ignition switch
(11572)



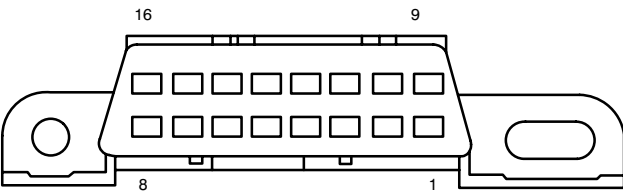
F15014

Pin	Circuit	Circuit Function
A1	964 (DB/LG)	fused feed, Accessory
A2	–	not used
A3	1040 (RD/BK)	Voltage in Run (overload protected)
A4	687 (GY/YE)	Voltage in Run (overload protected)
B1	37 (YE)	Voltage supplied at all times (overload protected)
B2	–	not used
B3	37 (YE)	Voltage supplied at all times (overload protected)
B4	1050 (LG/VT)	Voltage supplied at all times (overload protected)
B5	325 (DB/OG)	Starter relay (11450), control
L1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
I2	–	not used
P1	–	not used
P2	–	not used
STA	1522 (DG)	Voltage supplied in Start (overload protected)
GND	–	not used

C251

14401

D20
Data Link Connector
(DLC) (14489)



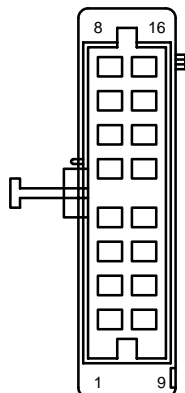
F16121

Pin	Circuit	Circuit Function
1	–	not used
2	914 (TN/OG)	SCP Bus +
3	693 (OG)	UBP Diagnostics
4	57 (BK)	Ground
5	570 (BK/WH)	Ground
6	–	not used
7	70 (LB/WH)	ISO Bus
8	–	not used
9	–	not used
10	915 (PK/LB)	SCP Bus
11	–	not used
12	–	not used
13	107 (VT)	Module programming signal
14	–	not used
15	–	not used
16	40 (LB/WH)	Cigar lighter, feed

C252

14401

A102
Passive anti-theft
transceiver module
(15607)



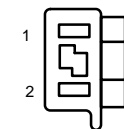
F16017

Pin	Circuit	Circuit function
1	1215 (WH/LG)	TX signal
2	1269 (OG/RD)	Anti-Theft indicator
3	—	not used
4	915 (PK/LB)	Standard Corporate Protocol (SCP) data —
5	914 (PK/LB)	Standard Corporate Protocol (SCP) data +
6	165 (TN/WH)	TX —
7	—	not used
8	22 (LB/BK)	Voltage supplied at all times (overload protected)
9	1216 (GY/OG)	RX signal
10	—	not used
11	—	not used
12	—	not used
13	—	not used
14	676 (PK/OG)	Ground
15	1266 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
16	—	not used

C254

14401

E28
Glove box lamp
(14413)



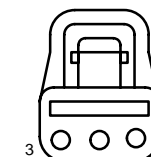
F02071

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	54 (LG/YE)	Voltage supplied at all times (overload protected)

C256

14401

A43
Passenger air bag
module (15044A74)



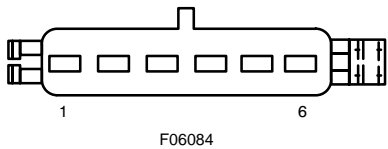
F03035

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

C257

14A005

P5
Clutch triple function
switch jumper

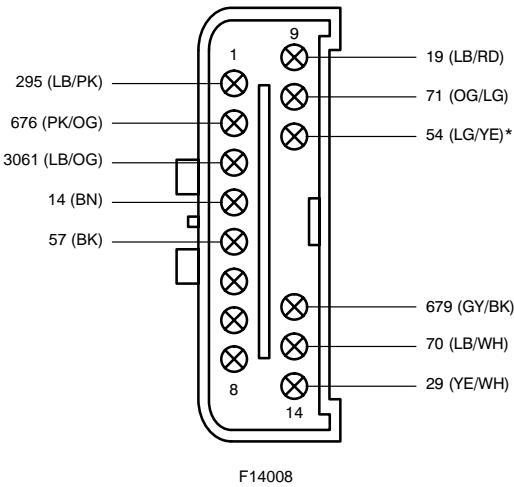


Pin	Circuit	Circuit Function
1	33 (WH/PK)	switched power, to starter solenoid
2	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
3	306 (TN/LB)	Brake pedal position switch (13480), input
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	640 (RD/YE)	Voltage supplied in Start and Run (overload protected) Diesel only
5	33 (WH/PK)	switched power, to starter solenoid
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)

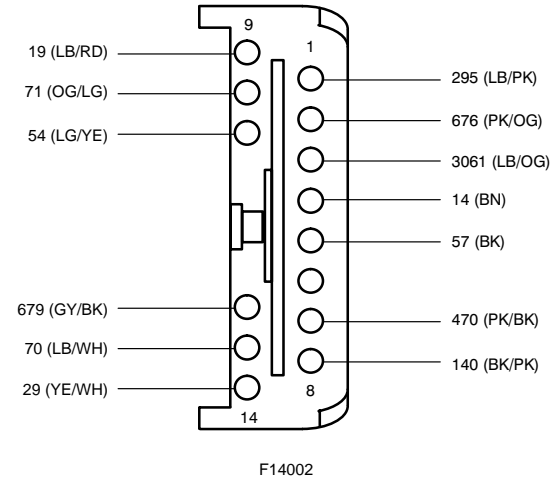
C264

* gasoline engines

14401

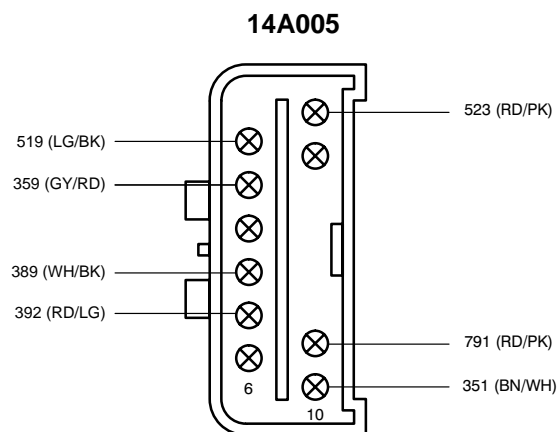


17C712

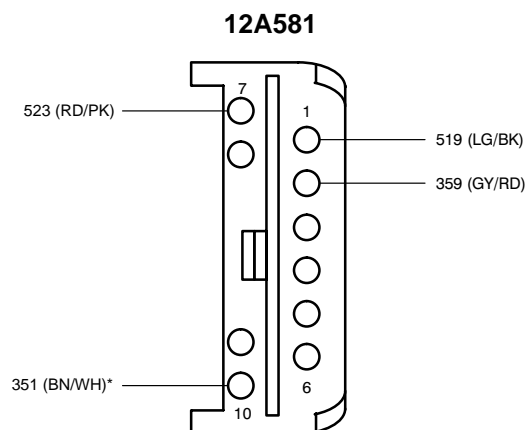


C265

* gasoline engines



F10025

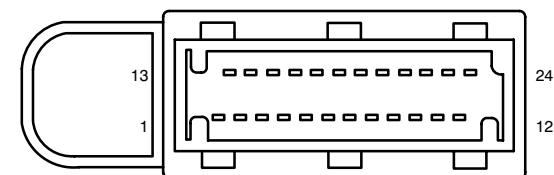


F10009

C270a

14401

P91
Central Junction
Box (CJB) (14A068)



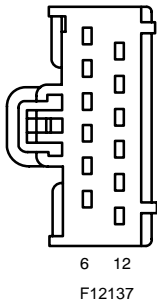
F32003

Pin	Circuit	Circuit Function
1	54 (LG/YE)	Voltage supplied at all times (overload protected)
2	1000 (RD/BK)	Voltage supplied in Start (overload protected)
3	221 (OG/WH)	Switched, Ground
4	33 (WH/PK)	switched power, to starter solenoid
5	—	not used
6	296 (WH/VT)	Voltage supplied in Start and Run (overload protected)
7	1306 (PK/WH)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
8	640 (RD/YE)	Power (Start or Run)
9	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	296 (WH/VT)	Voltage supplied in Start and Run (overload protected)
12	399 (BN/YE)	Blower motor relay, control
13	57 (BK)	Ground
14	1332 (LB)	Accessory delay relay, control
15	705 (LG/OG)	Battery saver relay, switched power
16	294 (WH/LB)	Voltage supplied in Start and Run (overload protected)
17	275 (YE)	Blower motor relay, control
18	609 (OG/YE)	Voltage supplied at all times (overload protected)
19	1 (DB)	Horn relay, control
20	418 (DG/YE)	Voltage supplied at all times (overload protected)
21	295 (LB/PK)	electronic cluster, Accessory, feed
22	238 (DG/YE)	Fuel pump relay, switched power, output
23	194 (PK)	Window safety relay, switched output
24	829 (WH/VT)	Voltage supplied at all times (overload protected)

C270b

14401

P91
Central Junction
Box (CJB) (14A068)

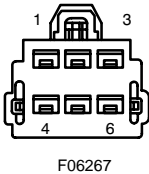


Pin	Circuit	Circuit Function
1	–	not used
2	10 (LG/RD)	Voltage supplied at all times (overload protected)
3	9 (LG/OG)	Turn lamps, feed, left rear
4	–	not used
5	14 (BN)	Power, Exterior lamps
6	785 (BK/LG)	Voltage supplied at all times (overload protected)
7	632 (GY/OG)	Power, Hot with High Beams on
8	1522 (DG)	Voltage supplied at all times (overload protected)
9	12 (LG/BK)	Power, Hot with High Beams on
10	195 (TN/WH)	Park lamp relay – fused feed
11	5 (OG/LB)	Turn lamps, feed, right rear
12	196 (DB/OG)	Voltage supplied at all times (overload protected)

C270c

14401

P91
Central Junction
Box (CJB) (14A068)

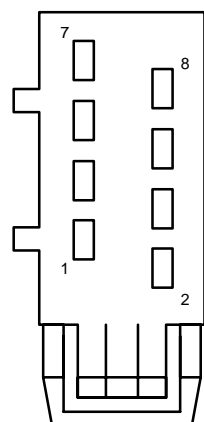


Pin	Circuit	Circuit Function
1	1050 (LG/VT)	Voltage supplied at all times (overload protected)
2	37 (YE)	Voltage supplied at all times (overload protected)
3	1040 (RD/BK)	Voltage in Run (overload protected)
4	964 (DB/LG)	fused feed, Accessory
5	687 (GY/YE)	Voltage in Run (overload protected)
6	16 (RD/LG)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

C270d

14401

P91
Central Junction
Box (CJB) (14A068)



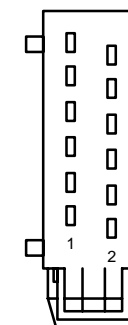
F08112

Pin	Circuit	Circuit Function
1	1542 (RD)	Voltage supplied at all times (overload protected)
2	—	not used
3	1567 (RD/LB)	Voltage supplied at all times (overload protected), to, Adjustable pedal switch
4	364 (BK/LG)	Voltage supplied at all times (overload protected), to, Auxiliary A/C relay
5	797 (LG/VT)	Voltage supplied at all times (overload protected)
6	—	not used
7	40 (LB/WH)	Cigar lighter, feed
8	59 (DG/VT)	fused feed, to, Rear window defrost switch (18578)

C270f

12A581

P91
Central Junction
Box (CJB) (14A068)



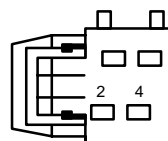
F12056

Pin	Circuit	Circuit Function
1	140 (BK/PK)	Voltage supplied in reverse
2	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)
4	533 (TN/RD)	Voltage supplied at all times (overload protected)
5	57 (BK)	Ground
6	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
7	54 (LG/YE)	Voltage supplied at all times (overload protected)
8	—	not used
9	—	not used
10	926 (LB/OG)	Fuel pump relay, control
11	57 (BK)	Ground
12	321 (GY/WH)	A/C clutch relay, switched output

C270e

14401

P91
Central Junction Box (CJB)
(14A068)



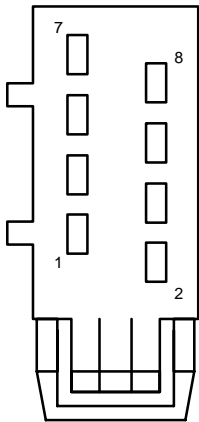
F04140

Pin	Circuit	Circuit Function
1	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
2	1049 (BN/PK)	Voltage supplied at all times (overload protected)
3	116 (RD/BK)	Voltage supplied at all times (overload protected), to, Vehicle Security Module (VSM)
4	325 (DB/OG)	Starter relay (11450), control

C270g

12A581

P91
Central Junction
Box (CJB) (14A068)



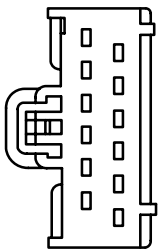
F08112

Pin	Circuit	Circuit Function
1	—	not used
2	113 (YE/LB)	Starter motor (11002), to, Starter relay (11450)
3	—	not used
4	13 (RD/BK)	Power, Hot with Low Beams on
5	22 (LB/BK)	Brake feed
6	181 (BN/OG)	Voltage supplied at all times (overload protected)
7	729 (RD/WH)	Voltage supplied at all times (overload protected)
8	—	not used

C270h

12A581

P91
Central Junction
Box (CJB) (14A068)



F12137

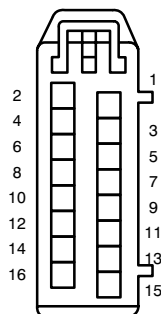
* automatic
transmission
** Diesel only
*** gasoline en-
gines

Pin	Circuit	Circuit Function
1	12 (LG/BK)	Power, Hot with High Beams on
2	478 (TN/OG)	Fog lamp switch, to rear fog lamp
3	14 (BN)	Power, Exterior lamps
4	814** (WH/BK)	Injector Driver Module (IDM) power relay, control
5	361 (RD)	Voltage supplied in Start and Run (overload protected)
6	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	33 (WH/PK)*	switched power, to starter solenoid
9	6 (YE/LG)	Horn relay, switched power, output
10	238 (DG/YE)***	Fuel pump relay, switched power, output
11	326 (WH/VT)	Central Junction Box (CJB) (14A068), to, Ignition relay
12	554 (YE/BK)	Voltage supplied at all times (overload protected)

C270j

14A005

P91
Central Junction
Box (CJB) (14A068)



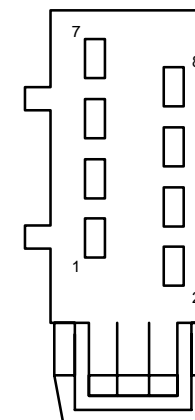
F16099

Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
5	—	not used
6	5 (OG/LB)	Turn lamps, feed, right rear
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps
8	9 (LG/OG)	Turn lamps, feed, left rear
9	—	not used
10	140 (BK/PK)	Voltage supplied in reverse
11	194 (PK)	Window safety relay, switched output
12	14 (BN)	Power, Exterior lamps
13	—	not used
14	295 (LB/PK)	electronic cluster, Accessory, feed
15	962 (BN/WH)	Trailer tow relay, switched output
16	54 (LG/YE)	Voltage supplied at all times (overload protected)

C270k

14A005

P91
Central Junction
Box (CJB) (14A068)



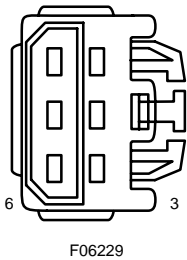
F08112

Pin	Circuit	Circuit Function
1	—	not used
2	1544 (OG)	Voltage supplied at all times (overload protected), to, Power point, rear (19G247)
3	186 (BN/LB)	Rear defrost
4	49 (OG)	Voltage in Run (overload protected)
5	59 (OG/VT)	Heated rear window
6	1153 (RD/BK)	Voltage supplied at all times (overload protected)
7	1543 (YE)	Voltage supplied at all times (overload protected), to, Power point, C pillar (19N236)
8	—	not used

C270I

14A005

P91
Central Junction
Box (CJB) (14A068)

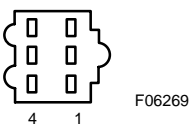


Pin	Circuit	Circuit Function
1	–	not used
2	64 (DG)	Turn lamps, feed, right rear
3	52 (YE)	Turn lamps, feed, left rear
4	400 (LB/BK)	Accessory relay, switched power, output
5	566 (DG)	Voltage supplied at all times (overload protected)
6	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start, Generic Electronic Module (GEM) (14B205)

C270m

14401

P91
Central Junction Box (CJB) (14A068)



Pin	Circuit	Circuit Function
1	–	not used
2	704 (DG/LG)	Voltage supplied at all times (overload protected)
3	532 (OG/YE)	Voltage supplied at all times (overload protected)
4	–	not used
5	–	not used
6	65 (DG)	Voltage supplied at all times (overload protected), to, Windshield wiper motor (17508)

C270p

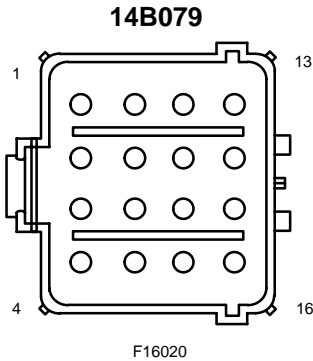
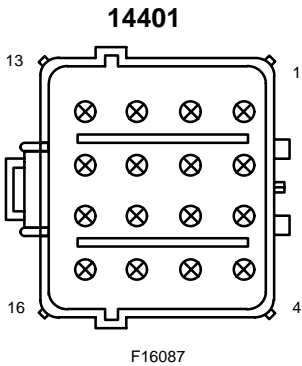
14300

P91
Central Junction
Box (CJB) (14A068)



Pin	Circuit	Circuit function
1	2037 (RD)	Battery Power

C275

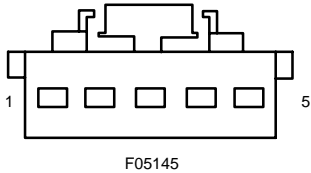


- | | | |
|---------------|-----------------|-------------------|
| (1) 1562 (YE) | (7) 1808 (BK) | (12) 48 |
| (2) 1561 (OG) | (8) 1807 (WH) | (13) 1564 (RD) |
| (3) 1560 (WH) | (9) 57 (BK) | (14) 1540 (DG) |
| (4) 1559 (RD) | (10) 76 (LG/WH) | (15) 1402 (RD/WH) |
| (5) 48 | (11) 99 (LG/BK) | (16) 891 (RD/BK) |
| (6) 1541 (DB) | | |

C278

14401

N82
Brake pedal position
switch (13480)

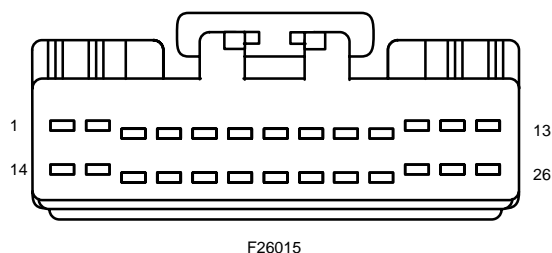


Pin	Circuit	Circuit Function
1	676 (PK/OG)	Ground
2	810 (RD/LG)	Brake pedal position switch (13480), input
3	22 (LB/BK)	Voltage supplied at all times (overload protected)
4	511 (LG)	Brake pedal position switch (13480), to stoplamps
5	10 (LG/RD)	Voltage supplied at all times (overload protected)

C281a

14401

A255
Four-wheel drive
control module

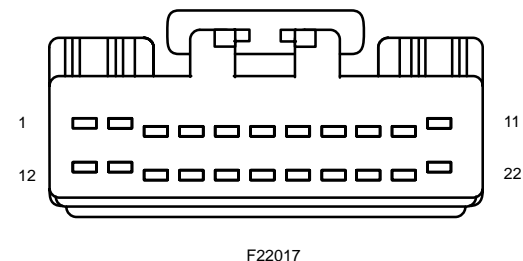


Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	—	not used
7	—	not used
8	—	not used
9	870 (VT/YE)	Voltage supplied in reverse
10	—	not used
11	—	not used
12	—	not used
13	—	not used
14	—	not used
15	—	not used
16	—	not used
17	—	not used
18	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
19	—	not used
20	—	not used
21	—	not used
22	—	not used
23	—	not used
24	—	not used
25	70 (LB/WH)	ISO Bus
26	57 (BK)	Ground

C281b

14401

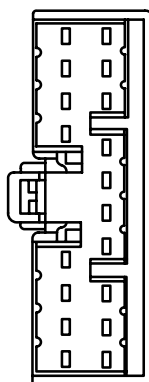
A255
Four-wheel drive
control module



Pin	Circuit	Circuit Function
1	463 (RD/WH)	Neutral, switch sense, input
2	—	not used
3	780 (DB)	Four-wheel drive control module, to, Four-wheel drive switch
4	465 (WH/LB)	ESOF, Reference voltage
5	976 (OG)	Shift solenoid
6	605 (RD)	Voltage supplied at all times (not overload protected)
7	145 (GY/BK)	Shift solenoid
8	975 (BN/YE)	Four-wheel drive control module, to, Transfer case assembly
9	210 (LB)	Four-wheel drive control module, to, Instrument cluster
10	782 (BN/WH)	Transfer case low to high relay, control
11	781 (OG/LB)	Transfer case high to low relay, control
12	810 (RD/LG)	Brake pedal position switch (13480), input
13	—	not used
14	—	not used
15	771 (VT/YE)	Motor position 5
16	763 (OG/WH)	Motor position 2
17	764 (BN/WH)	Motor position 3
18	770 (WH)	Motor position 4
19	—	not used
20	—	not used
21	—	not used
22	—	not used

C281c**14401**

A255
Four-wheel drive
control module

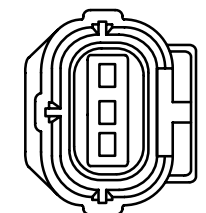


F18021

Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	—	not used
4	33 (WH/PK)	Voltage supplied in Start (overload protected)
5	22 (LB/BK)	Voltage supplied at all times (overload protected)
6	—	not used
7	—	not used
8	—	not used
9	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
10	—	not used
11	22 (LB/BK)	Voltage supplied at all times (overload protected)
12	—	not used
13	—	not used
14	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
15	—	not used
16	—	not used
17	—	not used
18	—	not used

C282 (GY)**14401**

N316
Inertia Fuel Shutoff
(IFS) switch
(9D362)



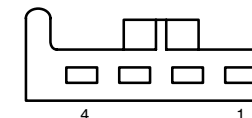
F03130

Excursion

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

C284**14401**

N141
Four-wheel drive
switch

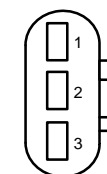


F04027

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Voltage supplied at all times (overload protected)
2	780 (DB)	Four-wheel drive control module, to, Four-wheel drive switch
3	465 (WH/LB)	Four-wheel drive control module, to, Four-wheel drive switch
4	57 (BK)	Ground

C286**14401**

B72
Sunload sensor
(19E663)



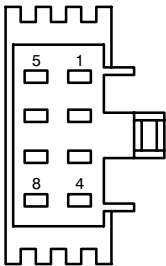
F03197

Pin	Circuit	Circuit Function
1	217 (DB/OG)	signal to Electronic Automatic Temperature Control (EATC) module (19980)
2	57 (BK)	Ground
3	1104 (LB)	signal to Vehicle Security Module (VSM)

C289

14401

M256
Temperature blend
door actuator
(19E616)



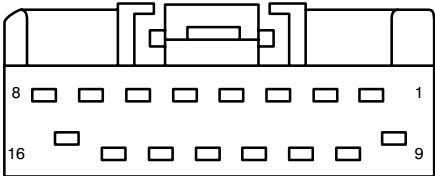
F08059

Pin	Circuit	Circuit Function
1	–	not used, with EATC
	436 (RD/LG)	Air temperature door variable resistor –, manual A/C
2	–	not used, with EATC
	437 (YE/LG)	Air temperature door variable resistor, wiper, manual A/C
3	–	not used
4	437 (YE/LG)	Air temperature door variable resistor, wiper, with EATC
	–	not used, manual A/C
5	250 (OG)	Blend door actuator, CCW, with EATC
	57 (BK)	Ground, manual A/C
6	249 (DB/LG)	Blend door actuator, CW, with EATC
	296 (WH/VT)	Voltage, hot in run only, manual A/C
7	438 (RD/WH)	Air temperature door variable resistor, +
8	436 (RD/LG)	Air temperature door variable resistor, –, with EATC
	–	not used, manual A/C

C290a

14401

A11
Radio (18806)

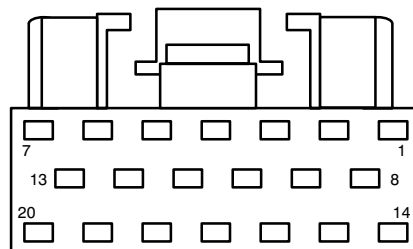


F16071

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Illumination
2	57 (BK)	Ground
3	1000 (RD/BK)	Voltage supplied in Start (overload protected)
4	–	not used
5	802 (OG/RD)	Speaker, right rear (18808) +
6	803 (BN/PK)	Speaker, right rear (18808) –
7	805 (WH/LG)	Speaker, right front (18808) +
8	811 (DG/OG)	Speaker, right front (18808) –
9	797 (LG/VT)	Voltage supplied at all times (overload protected)
10	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
11	694 (BK/LG)	Ground
12	800 (GY/LB)	Speaker, left rear (18808) +
13	801 (TN/YE)	Speaker, left rear (18808) –
14	804 (OG/LG)	Speaker, left front (18808) +
15	813 (LB/WH)	Speaker, left front (18808) –
16	694 (BK/LG)	Ground

C290b**14401**

A11
Radio (18806)

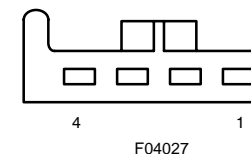


F20023

Pin	Circuit	Circuit function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	1068 (LG/BK)	Audio System ON (ASYSON)
6	832 (LB/PK)	Audio corporate protocol (A)
7	833 (TN)	Audio corporate protocol B
8	—	not used
9	679 (GY/BK)	Vehicle Speed Sensor (VSS)
10	—	not used
11	—	not used
12	—	not used
13	—	not used
14	595 (LB/RD)	Auxiliary audio controls, steering wheel
15	—	not used
16	48	Drain wire
17	690 (GY)	Audio signal positive Right to Video System
18	799 (OG/BK)	Audio signal negative Right to Video System
19	856 (VT)	Audio signal positive Left to Video System
20	798 (LG/RD)	Audio signal negative Left to Video System

C294a**14401**

P82
Function selector
switch assembly,
front

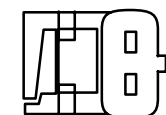


F04027

Pin	Circuit	Circuit Function
1	296 (WH/VT)	Fused accessory relay, switched power, output
2	348 (VT)	A/C demand signal
3	399 (BN/YE)	Blower motor relay, control
4	57 (BK)	Ground

C294b**14401**

P82
Function selector
switch assembly,
front

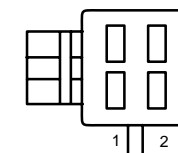


F02243

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C294c**14401**

P82
Function selector
switch assembly,
front



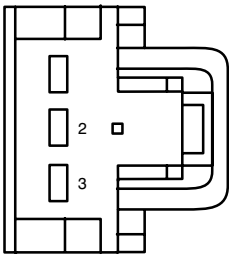
F04193

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

C294d

14401

P82
Function selector
switch assembly,
front



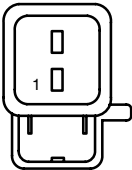
F03165

Pin	Circuit	Circuit Function
1	436 (RD/LG)	Air temperature door variable resistor +
2	437 (YE/LG)	Air temperature door variable resistor, wiper
3	438 (RD/WH)	Air temperature door variable resistor –

C303

14A005

A226
Passenger safety
belt retractor preten-
sioner

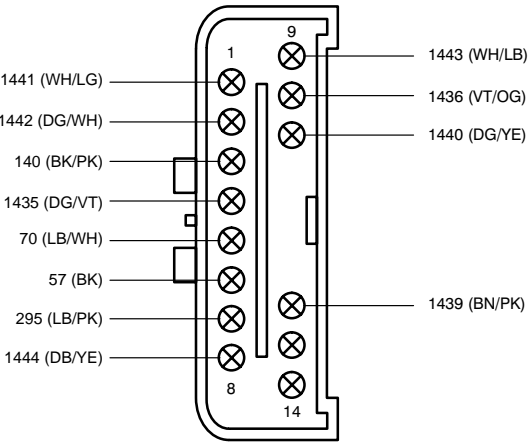


F02042

Pin	Circuit	Circuit Function
1	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
2	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return

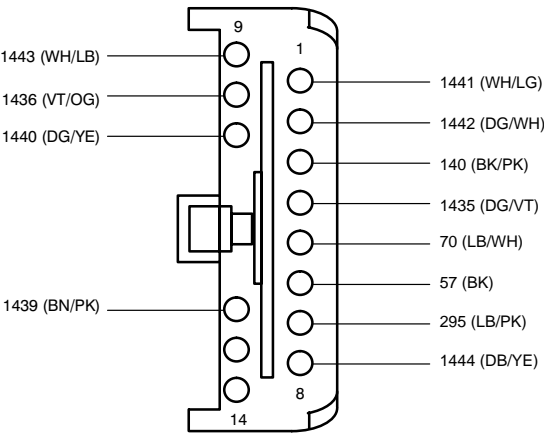
C300

14A005



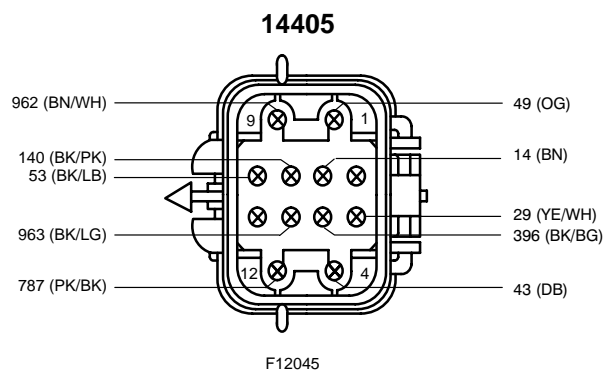
F14008

15K867

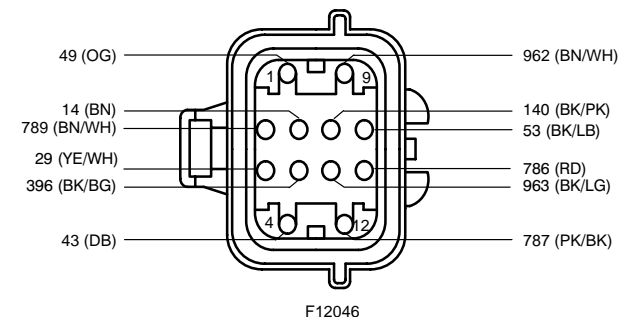


F14002

C311

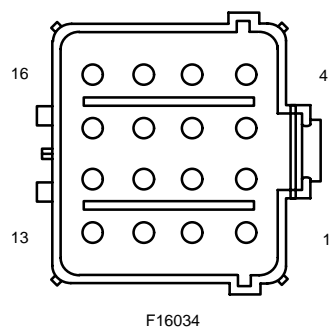


14A005

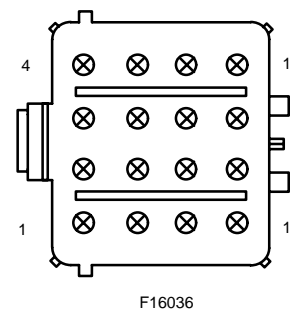


C313

14335



14A005

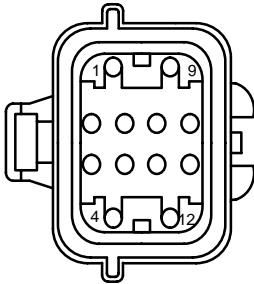


* W/Video Cassette Player

- | | | |
|------------------|------------------|------------------|
| (1) 941 (BK/WH) | (7) 23 (TN/LG) | (13) 832 (LB/PK) |
| (2) 993 (BN/WH) | (8) 48 | *1402 (RD/WH) |
| (3) 1300 (VT) | *1541 (DB) | (14) 833 (TN) |
| (4) 829 (WH/VT) | (9) 406 (BN/WH) | *891 (RD/PK) |
| *1540 (DG) | (10) *99 (LG/BK) | (15) 856 (VT) |
| (5) 1068 (LG/PK) | (11) 798 (LG/RD) | *694 (BK/LG) |
| *76 (LG/WH) | *1563 (LG) | (16) 799 (OG/BK) |
| (6) 694 (BK/LG) | (12) 690 (GY) | *1808 (BK) |
| *48 | *1563 (LG) | |

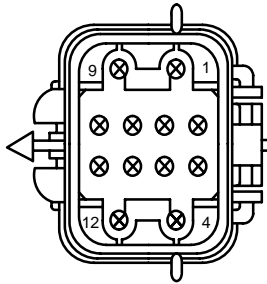
C314

14335



F12062

14A005

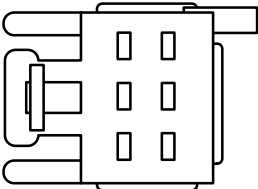


F12060

- | | | |
|-----------------|-----------------|-----------------|
| (1) 118 (PK/OG) | (5) 53 (BK/LB) | (9) 186 (BN/LB) |
| (2) | (6) 297 (BK/LB) | (10) 511 (LG) |
| (3) 19 (LB/RD) | (7) 54 (LG/YE) | (11) 57 (BK) |
| (4) 117 (PK/BK) | (8) | (12) 194 (PK) |

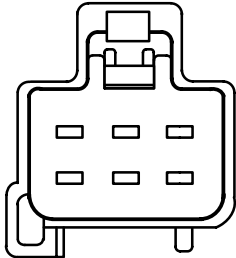
C315

14A699



F06167

14B122

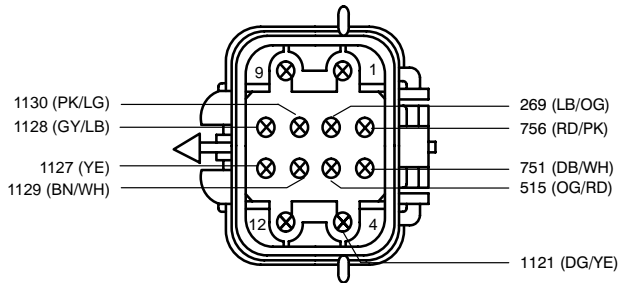


F06249

- | | |
|-----------------|-----------------|
| (1) 443 (LG/RD) | (4) - |
| (2) 442 (LG/OG) | (5) 446 (OG/WH) |
| (3) 444 (LG/BK) | (6) 447 (OG/RD) |

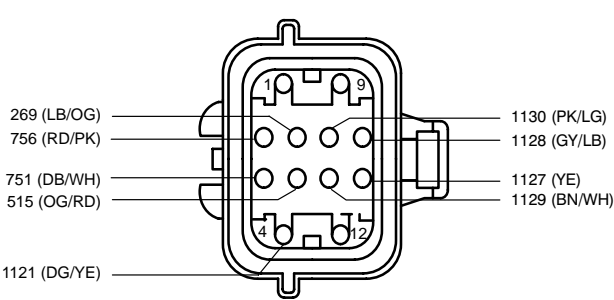
C316

14A504



F12060

14A504

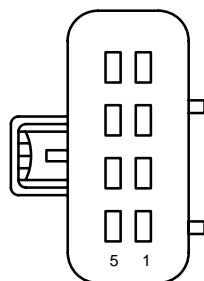


F12046

C320

14A699

N274
Seat heater switch,
driver side



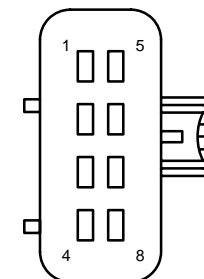
F08060

Pin	Circuit	Circuit Function
1	1020 (DG/VT)	Heated seat module, driver side front
2	57 (BK)	Ground
3	—	not used
4	57 (BK)	Ground
5	—	not used
6	461 (OG)	Switch illumination
7	—	not used
8	—	not used

C321

14B084

N275
Seat heater switch,
passenger side



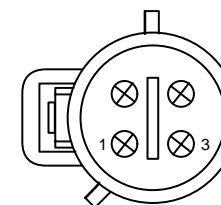
F08110

Pin	Circuit	Circuit Function
1	1020 (DG/VT)	Safety belt assembly, left
2	57 (BK)	Ground
3	—	not used
4	57 (BK)	Ground
5	—	not used
6	461 (OG)	Switch illumination
7	—	not used
8	—	not used

C323

14B084

N317
Safety belt buckle
switch (10B924)

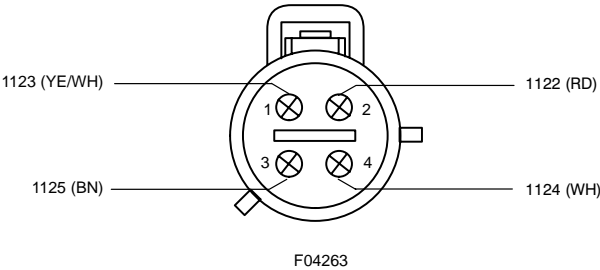


F04269

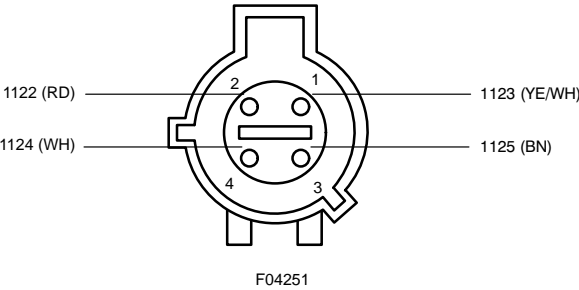
Pin	Circuit	Circuit Function
1	—	not used
2	85 (BN/LB)	Safety belt buckle switch (10B924), input
3	57 (BK)	Ground
4	—	not used

C328

14A504



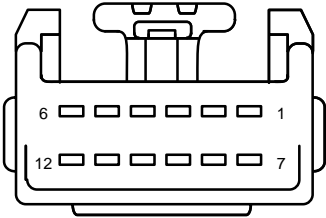
14335



C329

14B084

A223
Heated seat module, passenger side front

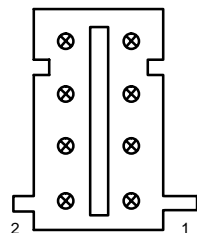


Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
5	295 (LB/PK)	electronic cluster, Accessory, feed
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, passenger side, heater, return
8	1020 (DG/VT)	Climate controlled seat module
9	—	not used
10	461 (OG)	Electronic Automatic Temperature Control (EATC) module (19980), to, Heated seat module, driver side front
11	—	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

C330

14B084

N217
Seat adjust switch,
passenger side front



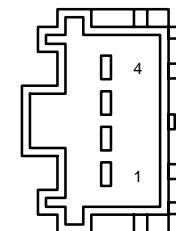
F08245

Pin	Circuit	Circuit Function
1	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
2	989 (RD/LG)	Seat adjust switch, to, front, Tilt, Seat motor
3	988 (YE/LG)	Seat adjust switch, to, front, Tilt, Seat motor
4	51 (BK/WH)	Multifunction switch, Voltage: Ignition switch in Start, Generic Electronic Module (GEM) (14B205)
5	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
6	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor
7	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
8	57 (BK)	Ground

C334

14B084

N30
Seat cushion heater,
right front



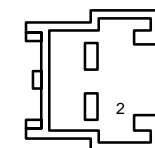
F04139

Pin	Circuit	Circuit Function
1	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
2	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, passenger side, Sensor, return
4	1066 (GY/LB)	Seat back heater, passenger side, feed

C335

14B084

N32
Seat back heater,
right front

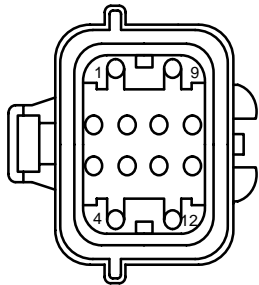


F02077

Pin	Circuit	Circuit Function
1	1066 (GY/LB)	Seat back heater, passenger side, feed
2	1067 (VT/LB)	Seat back heater, passenger side, heater, return

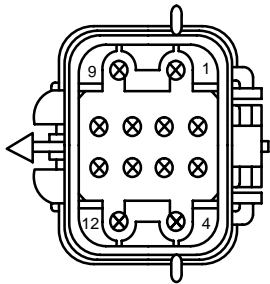
C339

14A504



F12046

14A005

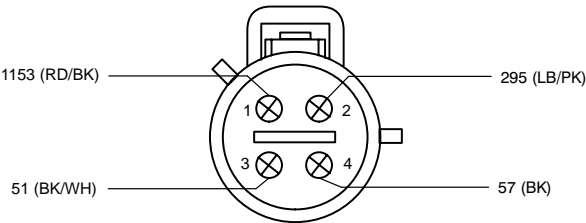


F12060

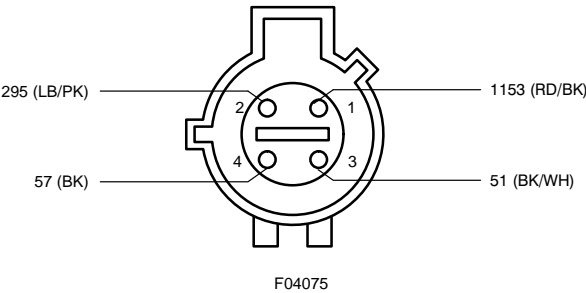
- | | | |
|-----------------|------------------|-------------------|
| (1) | (5) | (9) 1544 (OG) |
| (2) | (6) | (10) 70 (LB/WH) |
| (3) | (7) 295 (LB/PK) | (11) 1435 (DG/VT) |
| (4) 371 (PK/WH) | (8) 1436 (VT/OG) | (12) |

C340

14A005

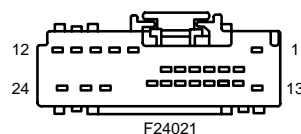


14B084



C341a**14A699**

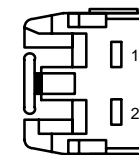
A207
Driver seat module (14C718)



Pin	Circuit	Circuit Function
1	1469 (RD/LB)	Driver seat module (14C718), to, Power seat motor assembly, left
2	–	not used
3	1467 (GY/YE)	Power seat switch, left, to, Driver seat module (14C718)
4	1468 (GY/LB)	Power seat switch, left, to, Driver seat module (14C718)
5	442 (LG/OG)	Seat position sensor – horizontal sense
6	443 (LG/RD)	Driver seat module (14C718), to, Power seat motor assembly, left
7	1463 (RD/YE)	Power seat switch, left, to, Driver seat module (14C718)
8	–	not used
9	1474 (RD/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
10	1489 (LB/BK)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
11	1471 (RD/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
12	1490 (LB/OG)	Driver seat module (14C718), to, Adjustable pedal motor (2C429)
13	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)
14	1465 (GY/WH)	Power seat switch, left, to, Driver seat module (14C718)
15	1466 (GY/OG)	Power seat switch, left, to, Driver seat module (14C718)
16	1464 (YE)	Power seat switch, left, to, Driver seat module (14C718)
17	444 (LG/BK)	Driver seat module (14C718), to, Power seat motor assembly, left
18	–	not used
19	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
20	–	not used
21	–	not used
22	1472 (YE/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
23	1473 (YE/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
24	1470 (YE/LB)	Driver seat module (14C718), to, Power seat motor assembly, left

C341b**14A699**

A207
Driver seat module (14C718)

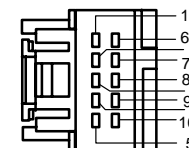


F02032

Pin	Circuit	Circuit Function
1	566 (DG)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C341c**14A005**

A207
Driver seat module (14C718)



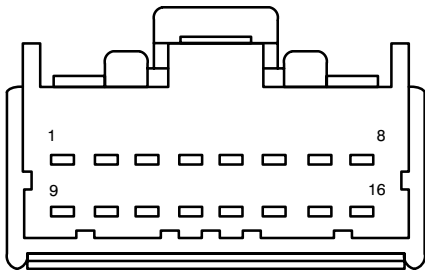
F10135

Pin	Circuit	Circuit Function
1	109 (VT/WH)	Voltage supplied at all times (overload protected)
2	693 (OG)	A/C demand signal
3	268 (BK/OG)	Memory set switch (14776)
4	267 (BN/LG)	Memory set switch (14776)
5	270 (BN/OG)	Memory set switch (14776)
6	676 (PK/OG)	logic ground
7	1491 (LB/YE)	Accelerator pedal position sensor monitor
8	1493 (PK/BK)	Adjustable pedal switch input
9	1492 (LB/RD)	Adjustable pedal switch input
10	272 (WH/OG)	Memory set switch (14776), Switch illumination

C349

14A079

P87
Rear Integrated
Control Panel
(RICP) (19980)



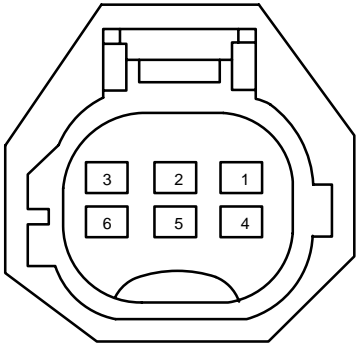
F16118

Pin	Circuit	Circuit function
1	825 (TN/LG)	Speaker, right rear (18808) +
2	802 (OG/RD)	Speaker, right rear (18808) +
3	803 (BN/PK)	Speaker, right rear (18808) –
4	–	not used
5	801 (TN/YE)	Speaker, left rear (18808) –
6	800 (GY/LB)	Speaker, left rear (18808) +
7	827 (TN/WH)	Speaker, left rear (18808) +
8	–	not used
9	1068 (LG/BK)	Audio System ON (ASYSON)
10	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
11	694 (BK/LG)	Ground
12	832 (LB/PK)	Audio corporate protocol A
13	833 (TN)	Audio corporate protocol B
14	–	not used
15	57 (BK)	Ground
16	19 (LB/RD)	Voltage supplied at all times (overload protected)

C350a

15525

A257
Transfer case as-
sembly



F06271

Pin	Circuit	Circuit Function
1	763 (OG/WH)	Motor position 2
2	976 (OG)	in On/Off
3	764 (BN/WH)	Motor position 3
4	870 (VT/YE)	Voltage supplied in reverse
5	771 (VT/YE)	Motor position 5
6	770 (WH)	Motor position 4

C350b

15525

A257
Transfer case as-
sembly



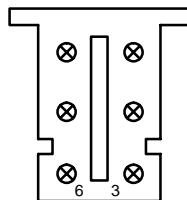
F02455

Pin	Circuit	Circuit Function
1	777 (YE)	Four-wheel drive control module, to, Transfer case as- sembly
2	778 (OG)	Four-wheel drive control module, to, Transfer case as- sembly

C357

14A699

M214
Power seat motor
assembly, left



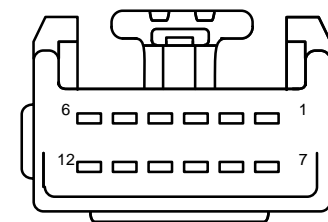
F06138

Pin	Circuit	Circuit Function
1	1472 (YE/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
2	1474 (RD/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
3	1473 (YE/LG)	Driver seat module (14C718), to, Power seat motor assembly, left
4	1471 (RD/WH)	Driver seat module (14C718), to, Power seat motor assembly, left
5	1470 (YE/LB)	Driver seat module (14C718), to, Power seat motor assembly, left
6	1469 (RD/LB)	Driver seat module (14C718), to, Power seat motor assembly, left

C359

14A699

A224
Heated seat module,
driver side front



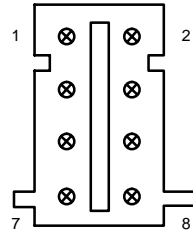
F12075

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1060 (BK/LB)	Seat cushion heater, passenger side, Sensor, return
5	295 (LB/PK)	electronic cluster, Accessory, feed
6	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
7	1067 (VT/LB)	Seat back heater, driver side, heater, return
8	1020 (DG/VT)	Climate controlled seat module
9	—	not used
10	461 (OG)	Electronic Automatic Temperature Control (EATC) module (19980), to, Heated seat module, passenger side front
11	—	not used
12	1153 (RD/BK)	Voltage supplied at all times (overload protected)

C360

14A699

N216
Seat adjust switch,
driver side front
(14A701)



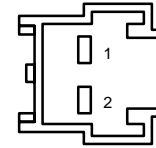
F08245

Pin	Circuit	Circuit Function
1	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
2	1466 (GY/OG)	Power seat switch, left, to, Driver seat module (14C718)
3	956 (OG/LG)	Voltage supplied at all times (overload protected)
4	1468 (GY/LB)	Power seat switch, left, to, Driver seat module (14C718)
5	1465 (GY/WH)	Power seat switch, left, to, Driver seat module (14C718)
6	1463 (RD/YE)	Power seat switch, left, to, Driver seat module (14C718)
7	1467 (GY/YE)	Power seat switch, left, to, Driver seat module (14C718)
8	1464 (YE)	Power seat switch, left, to, Driver seat module (14C718)

C365

14A699

N31
Seat back heater,
left front



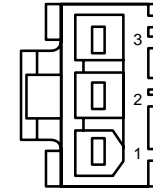
F02077

Pin	Circuit	Circuit Function
1	1066 (GY/LB)	Seat back heater, driver side, feed
2	1067 (VT/LB)	Seat back heater, driver side, heater, return

C372

14B122

B222
Driver memory seat
horizontal sensor



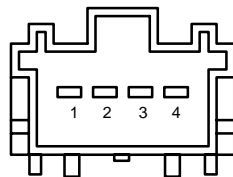
F03111

Pin	Circuit	Circuit Function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	442 (LG/OG)	Seat position sensor – horizontal sense
3	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)

C364

14A699

N29
Seat cushion heater,
left front



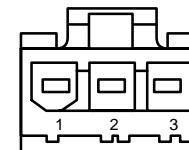
F04139

Pin	Circuit	Circuit Function
1	1064 (YE/LB)	Seat cushion heater, driver side, heater, feed
2	1060 (BK/LB)	Seat cushion heater, driver side, Sensor, feed
3	1061 (BN/LB)	Seat cushion heater, driver side, Sensor, return
4	1066 (GY/LB)	Seat back heater, driver side, feed

C373

14B122

B224
Driver memory seat
rear height sensor



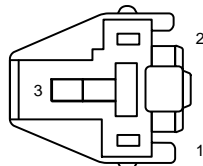
F03111

Pin	Circuit	Circuit Function
1	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)
2	444 (LG/BK)	Driver seat module (14C718), to, Power seat motor assembly, left
3	447 (OG/RD)	Sensor, feed, from, Driver seat module (14C718)

C380

14B079

O40
Power point, con-
sole (19N236)



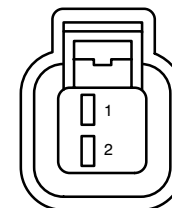
F02389

Pin	Circuit	Circuit Function
1	1544	Voltage supplied at all times (overload protected)
2	—	not used
3	57 (BK)	Ground

C396

14A005

Y19
Speaker, right rear
(18808)



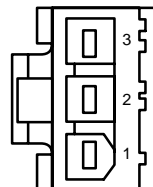
F02069

Pin	Circuit	Circuit function
1	802 (OG/RD)	Audio signal negative
2	803 (BN/BK)	Audio signal positive

C383

14B122

B223
Driver memory seat
front height sensor



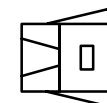
F03111

Pin	Circuit	Circuit Function
1	447 (OG/RD)	Sensor, return, from, Driver seat module (14C718)
2	443 (LG/RD)	Driver seat module (14C718), to, Power seat motor as- sembly, left
3	446 (OG/WH)	Sensor, feed, from, Driver seat module (14C718)

C402a

14086

R19
Rear window defrost
grid (18C618)



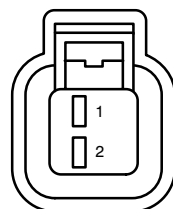
F01012

Pin	Circuit	Circuit function
1	186 (BN/RD)	Rear window defrost

C395

14A005

Y17
Speaker, left rear
(18808)



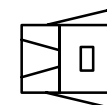
F02069

Pin	Circuit	Circuit function
1	800 (GY/LB)	Audio signal negative
2	801 (TN/YE)	Audio signal positive

C402b

14086

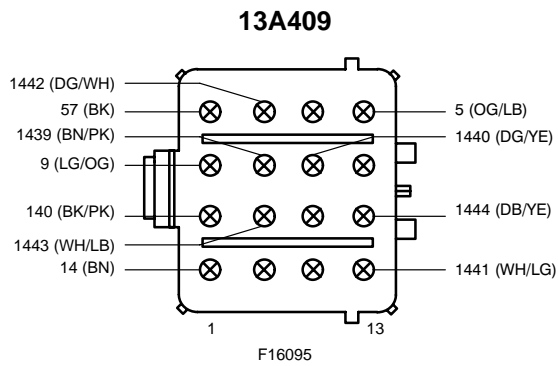
R19
Rear window defrost
grid (18C618)



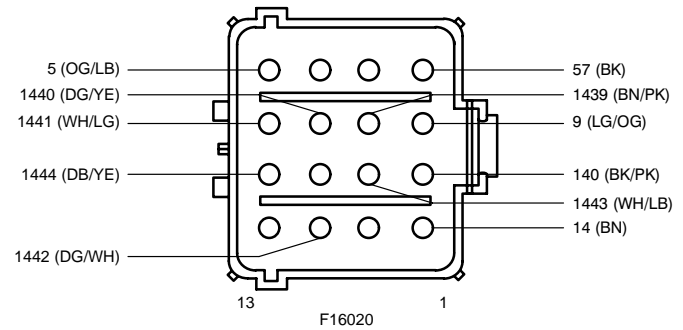
F01012

Pin	Circuit	Circuit function
1	57 (BK)	Ground

C405

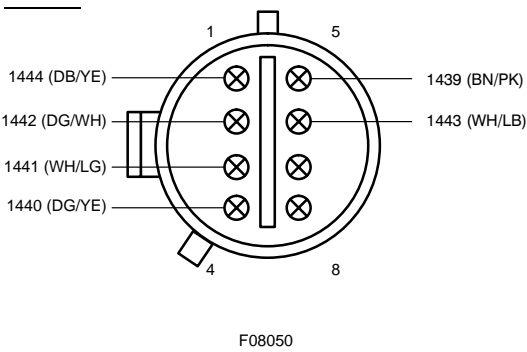


14405

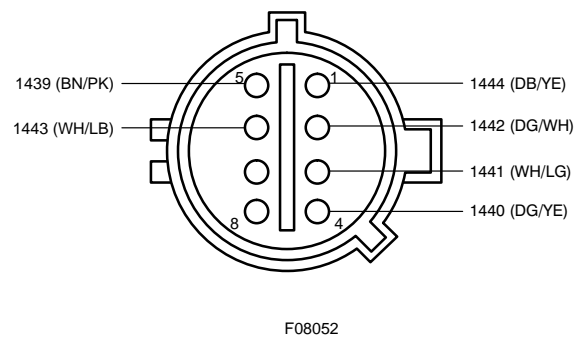
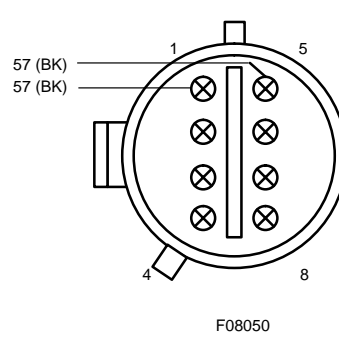


C406

14N139

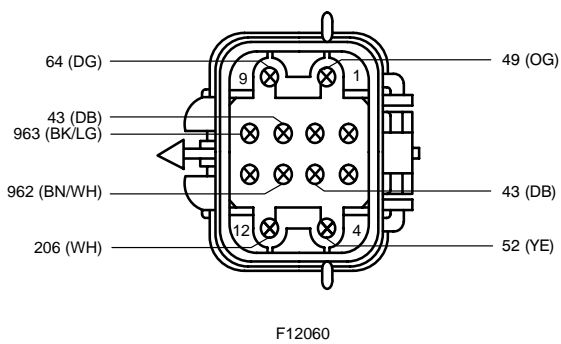


14405

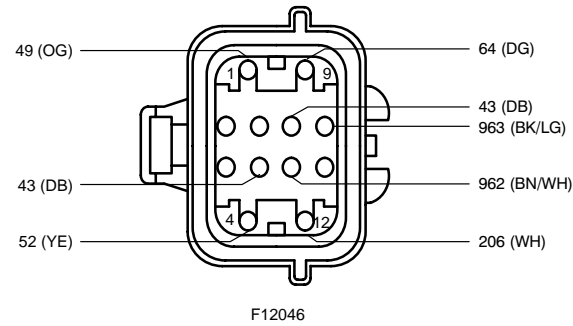


C410

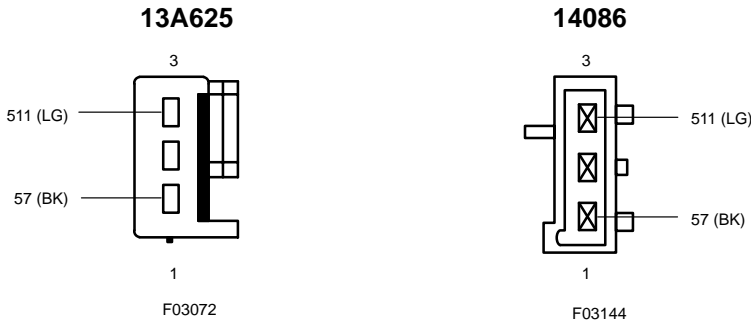
13A576



14405

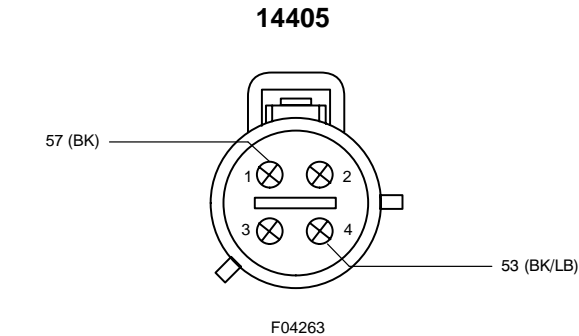


C411

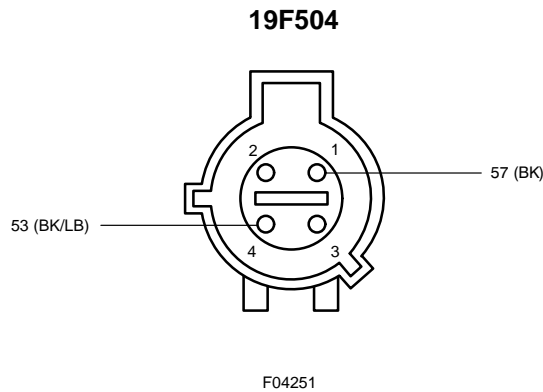
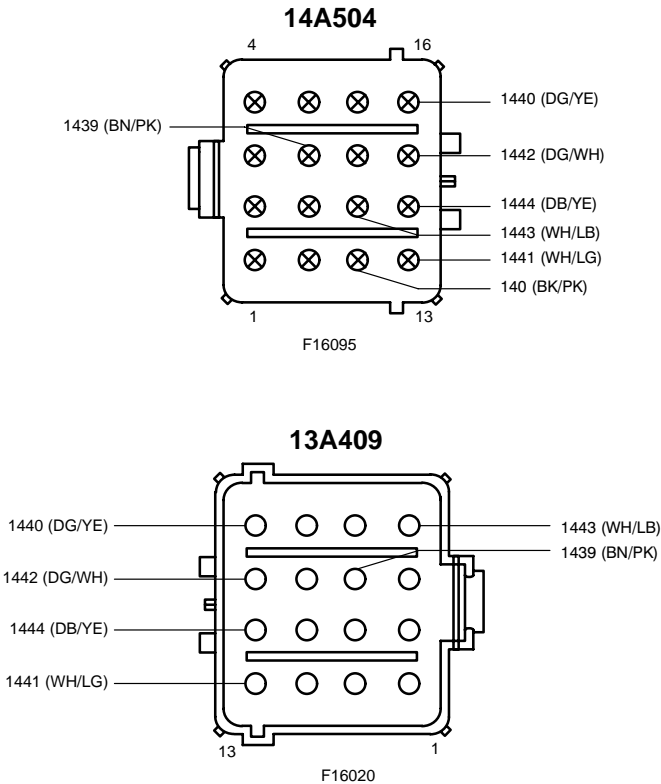


C431

@Excursion



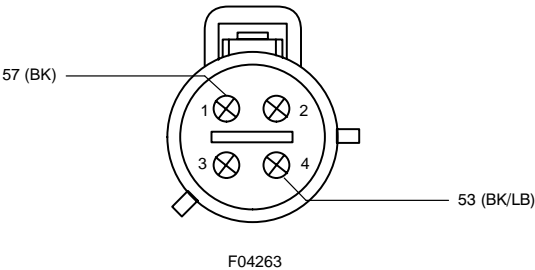
C421



C432

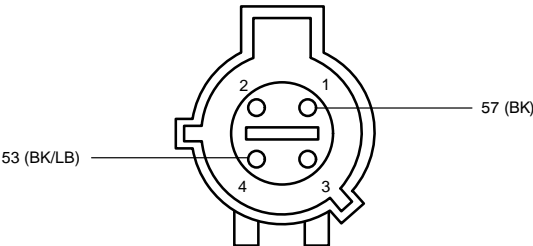
@Excursion

14405



F04263

19F504



F04251

C433

Federal

14405

A31
Fuel tank unit
(9H307)

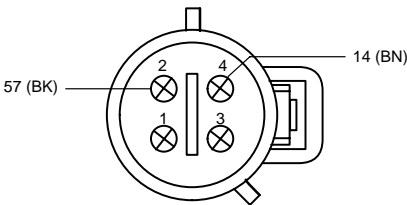


F04251

Pin	Circuit	Circuit function
1	29 (YE/WH)	Fuel pump/fuel gauge sender
2	787 (PK/BK)	Fuel pump, Power
3	57 (BK)	Ground
4	396 (BK/OG)	Fuel sender, logic ground

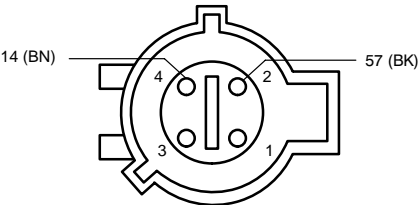
C438

15245



F04309

13A409

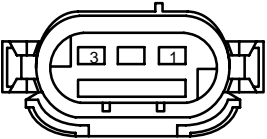


F04251

C451 (GY)

13A409

E105
Reversing lamp, left
(13411)



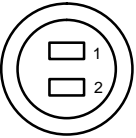
F03099

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	140 (BK/PK)	Voltage supplied in reverse

C452

14A005 Excursion
14A005 Pickup

E34
License plate lamp,
left



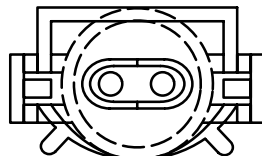
F02086

Pin	Circuit	Circuit function
1	14 (BN)	Power, Key pad button 3/4
2	57 (BK)	Ground

C455

14405

B25
Rear axle speed
sensor (4B409)



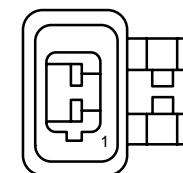
F02031

Pin	Circuit	Circuit Function
1	523 (RD/PK)	Wheel speed sensor, right rear +
2	519 (LG/BK)	Wheel speed sensor, left rear -

C459

14A583

N403
Liftgate ajar switch,
right



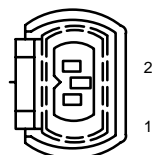
F02117

Pin	Circuit	Circuit Function
1	23 (TN/LG)	Anti-theft, switch sense
2	57 (BK)	Ground

C457

14086

M245
Liftgate lock actua-
tor



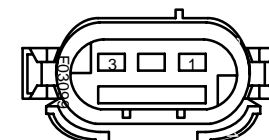
F02116

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

C461 (GY)

13A409

E109
Reversing lamp,
right (13411)



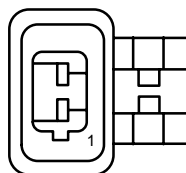
F03099

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	-	not used
3	140 (BK/PK)	Voltage supplied in reverse

C458

14A583

N402
Liftgate ajar switch,
left



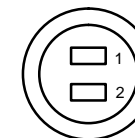
F02117

Pin	Circuit	Circuit Function
1	23 (TN/LG)	Anti-theft, switch sense
2	57 (BK)	Ground

C462

14A005 Excursion 14A005 Pickup

E35
License plate lamp,
right



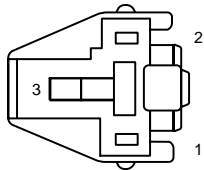
F02086

Pin	Circuit	Circuit function
1	14 (BN)	Power, Key pad button 3/4
2	57 (BK)	Ground

C474

14A504

O21
Power point, rear
(19G247)



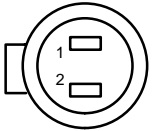
F02389

Pin	Circuit	Circuit Function
1	1544	Voltage supplied at all times (overload protected)
2	—	not used
3	57 (BK)	Ground

C475a

13A625

E174
High mounted stop-
lamp (13A613)



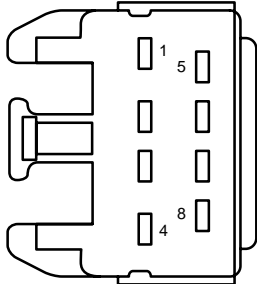
F02237

Pin	Circuit	Circuit Function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C476

14086

M218
Rear wiper motor
assembly



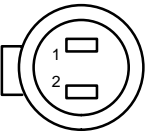
F08137

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	57 (BK)	Ground
3	297 (BK/LG)	Voltage in Run or Accessory (overload protected)
4	406 (BN/WH)	Voltage supplied at all times (overload protected)
5	941 (BK/WH)	Rear washer switch circuit
6	993 (BN/WH)	Switched ground
7	1300 (VT)	Switched ground
8	—	not used

C475b

13A625

E174
High mounted stop-
lamp (13A613)



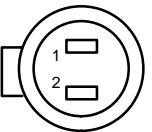
F02237

Pin	Circuit	Circuit Function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C475c

13A625

E174
High mounted stop-
lamp (13A613)



F02237

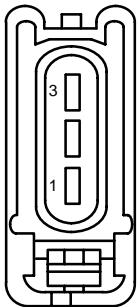
Pin	Circuit	Circuit Function
1	511 (LG)	Brake pedal position switch (13480), to stoplamps
2	57 (BK)	Ground

C487

13A409

E105
Reversing lamp, left
(13411)

with dual rear wheels



F03148

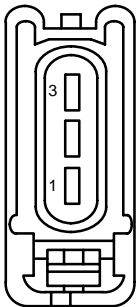
Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	140 (BK/PK)	Voltage supplied in reverse

C488

13A409

E109
Reversing lamp, right
(13411)

with dual rear wheels

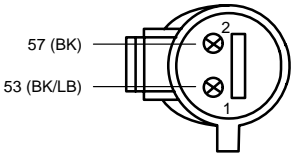


F03148

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	140 (BK/PK)	Ground

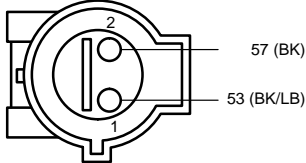
C494

14405



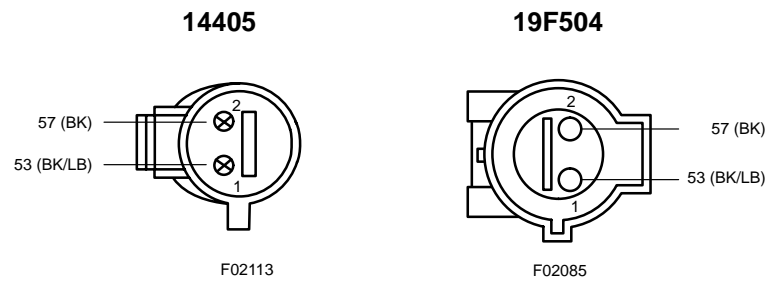
F02113

19F504



F02085

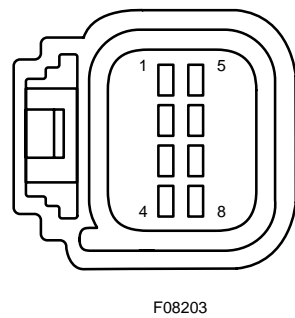
C495



C500

14A631

A244
Key pad switch as-
sembly (14A626)

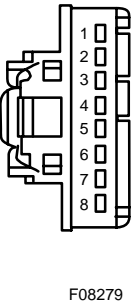


Pin	Circuit	Circuit Function
1	78 (LB/YE)	Key pad button 1/2, Key pad button 5/6
2	1013 (BN/LG)	Illumination
3	79 (LG/RD)	Key pad button 5/6
4	—	not used
5	57 (BK)	Ground
6	124 (BN)	Key pad common
7	121 (YE/BK)	Key pad button 5/6, Key pad button 9/0
8	—	not used

C503

14A005

N440
Memory set switch
(14776)

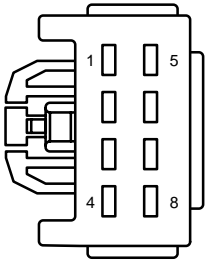


Pin	Circuit	Circuit Function
1	272 (WH/OG)	Memory set switch (14776), Illumination, input
2	267 (BN/LG)	Memory seat switch, position, (1)
3	—	not used
4	—	not used
5	270 (BN/OG)	Memory set switch (14776)
6	268 (BK/OG)	Memory seat switch, position (2)
7	676 (PK/OG)	Ground
8	—	not used

C504a

14A005

N447
Master window ad-
just switch (14529)



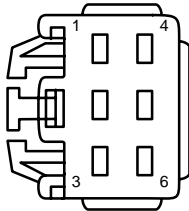
F08167

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

C504b

14A005

N447
Master window ad-
just switch (14529)



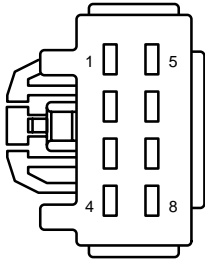
F06213

Pin	Circuit	Circuit Function
1	–	not used
2	319 (YE/BK)	Window switch, feed, left rear, Down
3	320 (RD/BK)	Window switch, feed, right rear, Down
4	193 (YE/LG)	Window safety relay, switched output
5	316 (YE/LB)	Window switch, feed, left rear, Up
6	317 (GY/OG)	Window switch, feed, left rear, Down

C505

14A005

N204
Door lock switch,
driver side (14028)



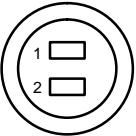
F08165

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	1210 (BK/WH)	Unlock, Circuit
4	57 (BK)	Ground
5	194 (PK)	Switch illumination
6	—	not used
7	1211 (WH/RD)	Lock, Circuit
8	—	not used

C506

14A005

E177
Door entry lamp, left
front (13776)

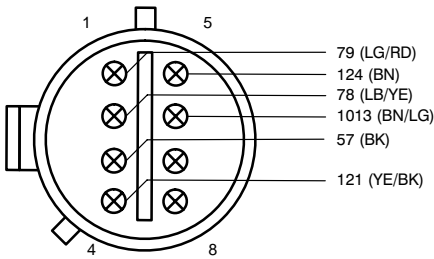


F02086

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

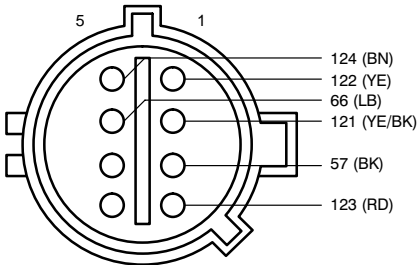
C510

14A631



F08049

14A005

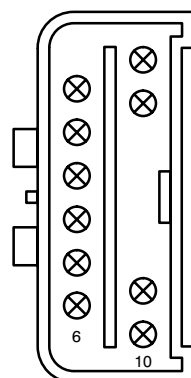


F08048

C521

14A005

M220
Exterior rear view
mirror, driver side
(17682)



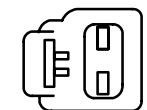
F10025

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	—	not used
5	—	not used
6	—	not used
7	—	not used
8	—	not used
9	—	not used
10	—	not used

C524

14A005

M80
Power window mo-
tor, driver side front
(23395)



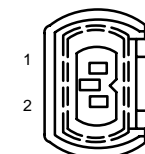
F02457

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

C525

14A005

M241
Door lock actuator,
left front



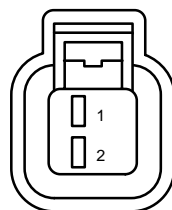
F02116

Pin	Circuit	Circuit Function
1	163 (RD/OG)	Driver door unlock relay, switched power
2	117 (PK/BK)	Door lock, output

C523

14A005

Y28
Speaker, left front
(18808)



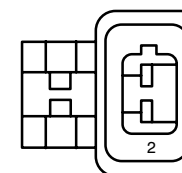
F02069

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

C526

14A005

N239
Door ajar switch,
driver side front
(14018)



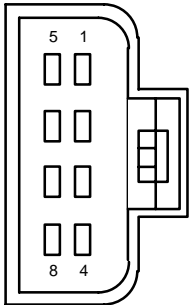
F02117

Pin	Circuit	Circuit Function
1	765 (YE/BK)	Anti-theft, switch sense
2	57 (BK)	Ground

C527

14A005

N409
Exterior rear view
mirror switch
(17B676)



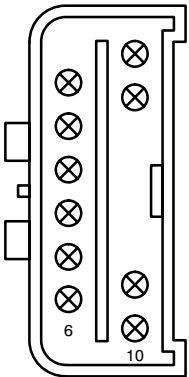
F08177

Pin	Circuit	Circuit Function
1	956 (VT/LG)	Rear window wiper/washer switch, output
2	–	not used
3	543 (DG)	Voltage supplied at all times (overload protected)
4	540 (RD)	Right/Left mirror movement
5	57 (BK)	Ground
6	542 (YE)	Mirror motor, feed
7	541 (DB)	Up/Down mirror movement
8	544 (VT)	Up/Down mirror movement

C601

14A005

M221
Exterior rear view
mirror, passenger
side (17683)



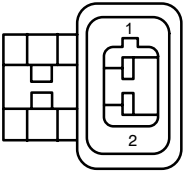
F10025

Pin	Circuit	Circuit Function
1	543 (DG)	Voltage supplied at all times (overload protected)
2	542 (YE)	Mirror motor, feed
3	544 (VT)	Up/Down mirror movement
4	2 (WH/LB)	Turn signal
5	57 (BK)	Defrost, Turn signal, Ground
6	59 (DG/VT)	Defrost
7	–	not used
8	–	not used
9	–	not used
10	–	not used

C602

14A005

N240
Door ajar switch,
passenger side front
(14018)



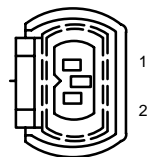
F02117

Pin	Circuit	Circuit Function
1	761 (GY/RD) 760 (PK/LB)	switch sense, with remote keyless entry switch sense, without remote keyless entry
2	57 (BK) 345 (BK/PK)	Ground switch sense, with crew cab, without remote keyless entry

C603

14A005

M226
Door lock actuator,
passenger side
(218A42)



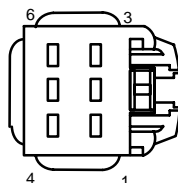
F02116

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

C604

14A005

N105
Window adjust
switch, passenger
side



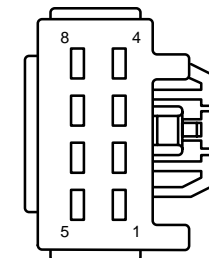
F06148

Pin	Circuit	Circuit Function
1	313 (WH/YE)	Window switch, feed, right front, Up
2	334 (RD/YE)	Window motor, feed, Down
3	193 (YE/LG)	Window safety relay, switched output
4	—	not used
5	333 (YE/RD)	Window motor, feed, Up
6	314 (TN/LB)	Window switch, feed, right front, Down

C605

14A005

N205
Door lock switch,
passenger side
(14028)



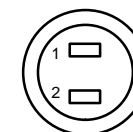
F08193

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	—	not used
3	1210 (BK/WH)	Unlock, Circuit
4	57 (BK)	Ground
5	194 (PK)	Switch illumination
6	—	not used
7	1211 (WH/RD)	Lock, Circuit
8	—	not used

C606

14A005

E178
Door entry lamp,
right front (13776)



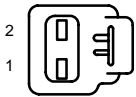
F02063

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

C608

14A005

M79
Power window motor, passenger side front (23394)



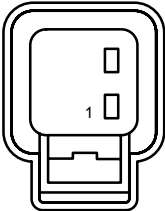
F02457

Pin	Circuit	Circuit Function
1	333 (YE/RD)	Window motor, feed, Headlamp jumper
2	334 (RD/YE)	Window motor, feed, Down

C612 (PK)

14A005

Y18
Speaker, right front (18808)



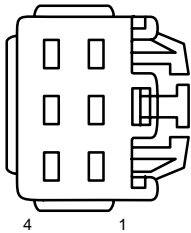
F02337

Pin	Circuit	Circuit Function
1	805 (WH/LG)	Speaker, right front (18808) +
2	811 (DG/OG)	Speaker, right front (18808) -

C701

14A005

N111
Window adjust switch, left rear (14A412)



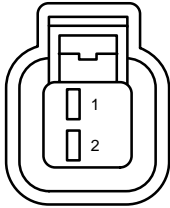
F06213

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

C702

14A005

Y17
Speaker, left rear (18808)



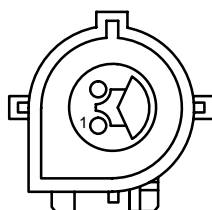
F02069

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

C703

14A005

M116
Power window motor, left rear (23394)



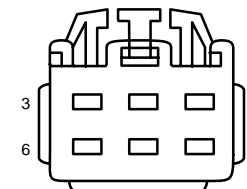
F02080

Pin	Circuit	Circuit Function
1	884 (YE/BK)	Window switch, to, Window motor, left rear
2	885 (YE/LB)	Window switch, to, Window motor, left rear

C801

14A005

N110
Window adjust switch, right rear (14A412)



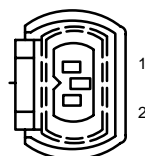
F06213

Pin	Circuit	Circuit Function
1	319 (YE/BK)	Window switch, feed, right rear, Up
2	882 (BN/YE)	Window switch, to, Window motor, right rear
3	193 (YE/LG)	Switch illumination
4	—	not used
5	881 (BN)	Window switch, to, Window motor, right rear
6	320 (RD/BK)	Window switch, feed, right rear, Down

C704

14A005

M64
Door lock actuator, left rear (218A43)



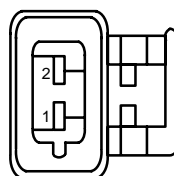
F02116

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

C715

14A005

N237
Door ajar switch, driver side rear (14018)



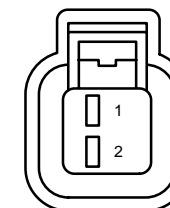
F02379

Pin	Circuit	Circuit Function
1	346 (BK/WH) 759 (LG/YE)	switch sense, without remote keyless entry, switch sense, with remote keyless entry
2	57 (BK)	Ground

C802

14A005

Y19
Speaker, right rear (18808)



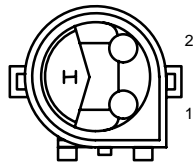
F02069

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

C803

14A005

M117
Power window motor, right rear (23394)



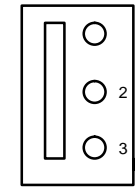
F02004

Pin	Circuit	Circuit Function
1	881 (BN)	Window switch, to, Window motor, right rear
2	882 (BN/YE)	Window switch, to, Window motor, right rear

C904

14A005

E174
High mounted stop-lamp (13A613)



F03081

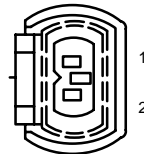
Pickup

Pin	Circuit	Circuit Function
1	63 (BK/LB)	Cargo space lamp
2	511 (LG)	Brake pedal position switch (13480), to stoplamps
3	57 (BK)	Ground

C804

14A005

M65
Door lock actuator, right rear (218A42)



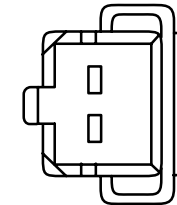
F02116

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

C906

17C712

E31
Vanity mirror lamp, right (04100)



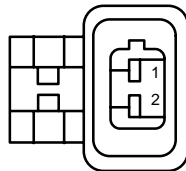
F02217

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	54 (LG/YE)	Voltage supplied at all times (overload protected)

C820

14A005

N238
Door ajar switch, passenger side rear (14018)



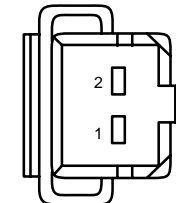
F02117

Pin	Circuit	Circuit Function
1	346 (BK/WH) 760 (PK/LB)	switch sense, without remote keyless entry switch sense, with remote keyless entry
2	57 (BK) 345 (BK/PK)	Ground, with remote keyless entry switch sense, without remote keyless entry

C907

17C712

E30
Vanity mirror lamp, left (04100)



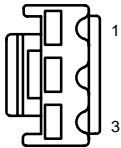
F02217

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	54 (LG/YE)	Voltage supplied at all times (overload protected)

C911

17C712

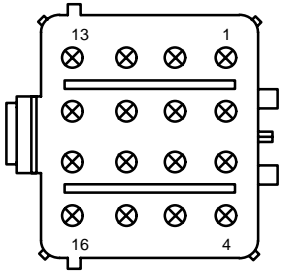
A222
Electrochromatic in-
side mirror unit
(17700)



Pin	Circuit	Circuit Function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	57 (BK)	Ground
3	140 (BK/PK)	Voltage supplied in reverse

C919

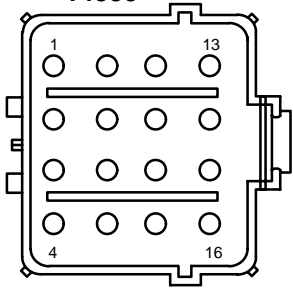
14334



F16036

- | | | |
|------------------|-------------------|-------------------|
| (1) 1158 (YE/LB) | (7) 53 (BK/LB) | (12) 1124 (WH) |
| (2) | (8) 1125 (BN) | (13) 1156 (YE/RD) |
| (3) 1129 (BN/WH) | (9) 57 (BK) | (14) |
| (4) 1128 (GY/LB) | (10) 1157 (WH/RD) | (15) 19 (LB/RD) |
| (5) 54 (LG/YE) | (11) 1123 (YE/WH) | (16) 1122 (RD) |
| (6) | | |

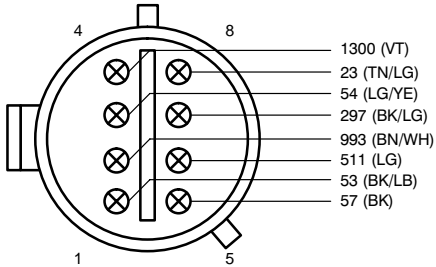
14335



F16089

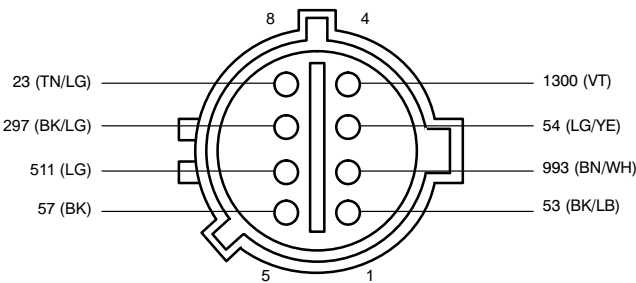
C922

14086



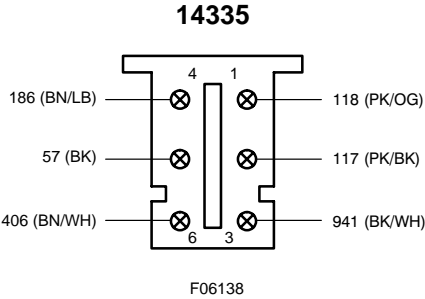
F08050

14335

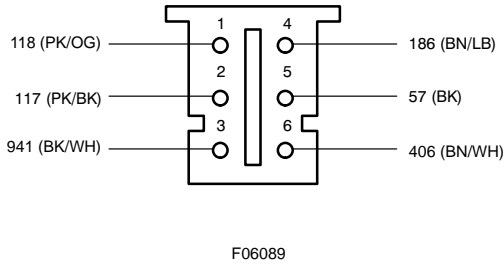


F08052

C925



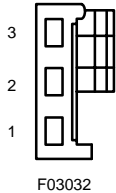
14086



C926

14086

E51
Cargo lamp

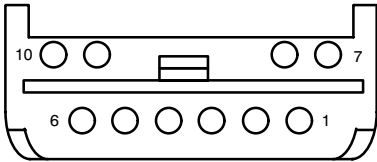


Pin	Circuit	Circuit Function
1	54 (BK)	Interior lamp relay, switched power, output
2	57 (LG/YE)	Voltage supplied at all times (overload protected)
3	53 (BK/LB)	Ground

C930

17C712

A143
Overhead console

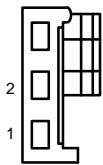


Pin	Circuit	Circuit Function
1	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
2	–	not used
3	29 (YE/WH)	Fuel pump/fuel gauge sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS) +
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	295 (LB/PK)	electronic cluster, Accessory, feed
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data out-put link
9	19 (LB/RD)	Voltage supplied at all times (overload protected)
10	–	not used

C931

14334

N238
Door ajar switch,
passenger side rear
(14018)



F03032

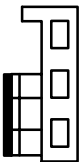
Excursion

Pin	Circuit	Circuit Function
1	53 (BK/LB)	Interior lamp relay, switched power, output
2	57 (LG/YE)	Voltage supplied at all times (overload protected)
3	54 (BK)	Ground

C932

14335/14A005

E239
Interior/map lamps
assembly, rear



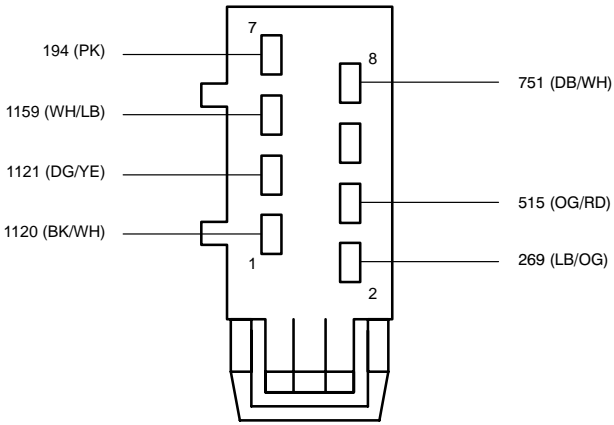
F03135

Excursion

Pin	Circuit	Circuit Function
1	53 (BK/LB)	Interior lamp relay, switched power, output
2	57 (BK)	Ground
3	54 (LG/YE)	Voltage supplied at all times (overload protected)

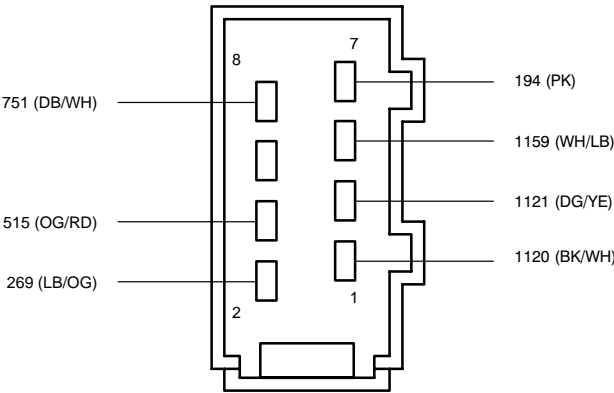
C934

14334



F08112

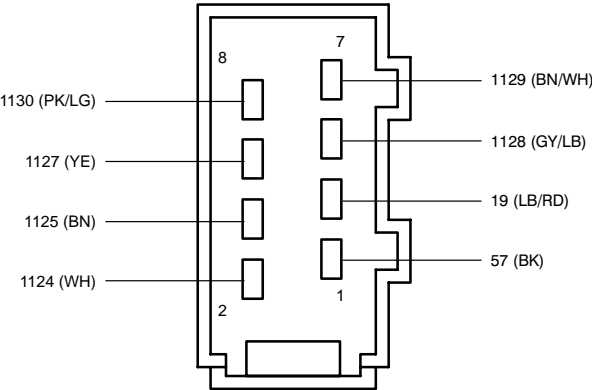
14335



F08114

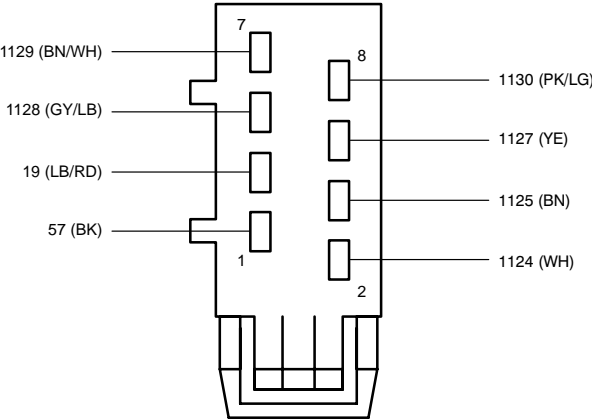
C935

14334



F08114

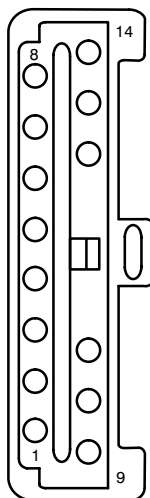
14335



F08112

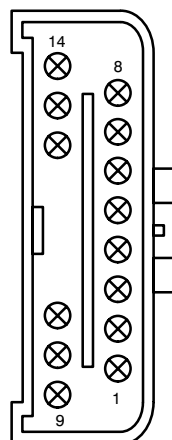
C936

14334



F14015

17C712



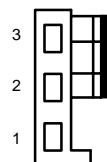
F14008

- | | | |
|-----------------|------------------|-------------------|
| (1) 70 (LB/WH) | (6) 676 (PK/OG) | (11) |
| (2) 295 (LB/PK) | (7) 29 (YE/WH) | (12) 3061 (LB/OG) |
| (3) | (8) 679 (GY/BK) | (13) |
| (4) 71 (OG/LG) | (9) | (14) |
| (5) | (10) 470 (PK/BK) | |

C941

14335

E246
Rail lamp, LH side
(13776)



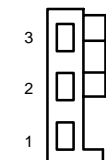
F03135

Pin	Circuit	Circuit Function
1	54 (LG/YE)	Voltage supplied at all times (overload protected)
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	57 (BK)	Ground

C942

14335

E245
Rail lamp, RH side
(13776)



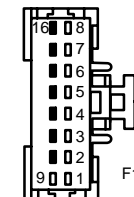
F03135

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	53 (BK/LB)	Interior lamp relay, switched power, output
3	54 (LG/YE)	Voltage supplied at all times (overload protected)

C945

14334

A37
Trip Computer Mod-
ule (10D898)



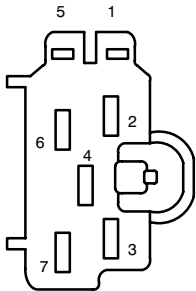
F16137

Pin	Circuit	Circuit Function
1	676 (PK/OG)	Ground
2	470 (PK/BK)	Sensor signal return (reference/ground), Temperature
3	29 (YE/WH)	Fuel tank sender
4	70 (LB/WH)	ISO Bus
5	679 (GY/BK)	Vehicle Speed Sensor (VSS)
6	3061 (LB/OG)	Ambient air temperature sensor (19E702), signal
7	295 (LB/PK)	Voltage, hot in run only
8	71 (OG/LG)	Powertrain Control Module (PCM) (12A650) – Data out-put link
9	19 (LB/RD)	Instrument illumination
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used
15	–	not used
16	–	not used

C946

14334

N635
Power vent window
switch, left



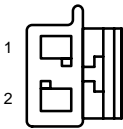
F07044

Pin	Circuit	Circuit Function
1	57 (BK)	Illumination, Ground
2	57 (BK)	Diesel
3	1156 (YE/RD)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/YE)	Illumination
6	1156 (YE/RD)	Window motor
7	57 (BK)	Ground

C947

14335

M287
Power vent window
motor, left



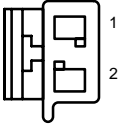
F02265

Pin	Circuit	Circuit Function
1	1159	Window switch
2	1158	Window switch

C948

14335

M288
Power vent window
motor, right



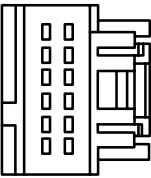
F02265

Pin	Circuit	Circuit Function
1	1156	Window switch
2	1157	Window switch

C949

14335

A433
DVD player



7 1

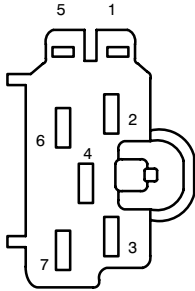
F12139

Pin	Circuit	Circuit Function
1	829 (WH/VT)	Rear Integrated Control Panel (RICP) (19980), feed
2	1068 (LG/BK)	Audio System ON (ASYSON)
3	19 (LB/RD)	Voltage supplied at all times (overload protected)
4	–	not used
5	856 (VT)	Radio (18806), to CD changer, Left +
6	690 (GY)	Radio (18806), to CD changer, Right +
7	832 (LB/PK)	Audio corporate protocol A
8	833 (TN)	Audio corporate protocol B
9	–	not used
10	694 (BK/LG)	Ground
11	798 (LG/RD)	Radio (18806), to CD changer, Left –
12	799 (OG/BK)	Radio (18806), to CD changer, Right –

C956

14334

N636
Power vent window
switch, right



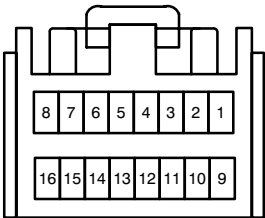
F07044

Pin	Circuit	Circuit Function
1	57 (BK)	Illumination, Ground
2	57 (BK)	not used
3	1158 (YE/LB)	Window motor
4	194 (PK)	Fused accessory relay
5	19 (LB/YE)	Illumination
6	1159 (WH/LB)	Window motor
7	57 (BK)	Ground

C960

14335

A269
Video display



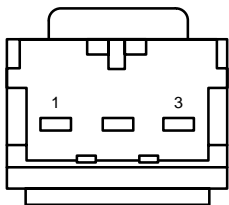
F16103

Pin	Circuit	Circuit Function
1	1563 (LG)	Accessory delay
2	694 (BK/LG)	Ground
3	1807 (WH)	VCP video +
4	1808 (BK)	VCP video Drain wire
5	99 (LG/BK)	Audio signal positive, Left
6	76 (LG/WH)	Blue, Drain wire, Left
7	891 (RD/BK)	Audio signal positive, Right
8	1402 (RD/WH)	Audio signal negative, Drain wire, Right
9	1540 (DG)	VCP IR data +
10	1541 (DB)	VCP IR data -
11	48	VCP video, Drain wire
12	-	not used
13	-	not used
14	-	not used
15	-	not used
16	-	not used

C970

15A404
17C712

E16
Roof marker lamp,
left



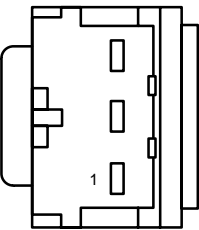
F03235

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

C971

15A404
17C712

E266
Roof marker lamp,
left center



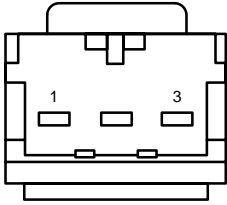
F03235

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

C972

15A404
17C712

E267
Roof marker lamp,
center



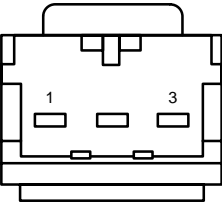
F03235

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

C973

15A404
17C712

E268
Roof marker lamp,
right center



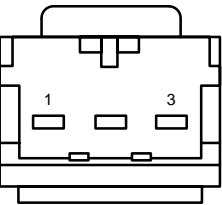
F03235

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

C974

15A404
17C712

E17
Roof marker lamp,
right



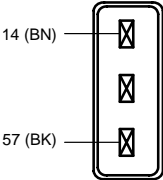
F03235

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

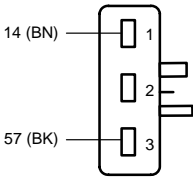
C983

15B484

17C712



F03079

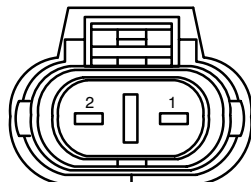


F03105.1

C984

15B484

E16
Roof marker lamp,
left



F02443

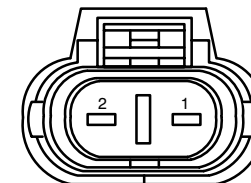
Lariat

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

C987

15B484

E268
Roof marker lamp,
right center



F02443

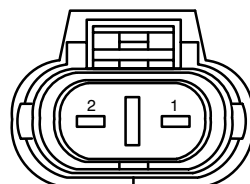
Lariat

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

C985

15B484

E266
Roof marker lamp,
left center



F02443

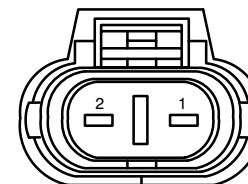
Lariat

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

C988

15B484

E17
Roof marker lamp,
right



F02443

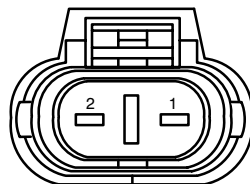
Lariat

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

C986

15B484

E267
Roof marker lamp,
center



F02443

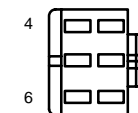
Lariat

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

C989a

14334

N637
Auxiliary function selector switch assembly,
front



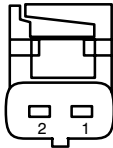
F06273

Pin	Circuit	Circuit Function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	515 (OG/RD)	Resistor, Blower motor, High
3	1121 (DG/YE)	Switched ground
4	57 (BK)	Ground
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	1120 (BK/WH)	Off

C989b

14334

N637
Auxiliary function
selector switch as-
sembly, front



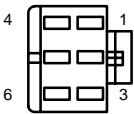
F02243

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Switch illumination
2	57 (BK)	Illumination Ground

C990a

14335

N638
Auxiliary function selector switch assem-
bly, rear



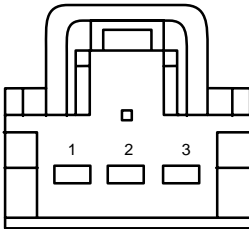
F06273

Pin	Circuit	Circuit Function
1	–	not used
2	515 (OG/RD)	Resistor, Blower motor, High
3	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
4	756 (RD/PK)	Heater blower motor resistor, rear (19A706)
5	751 (DB/WH)	Heater blower motor resistor, rear (19A706)
6	1120 (BK/WH)	Ground

C989c

14334

N637
Auxiliary function
selector switch as-
sembly, front



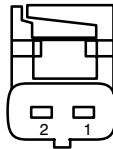
F03165

Pin	Circuit	Circuit Function
1	1129 (BN/WH)	Signal Ground
2	1123 (YE/WH)	position sense
3	1128 (GY/LB)	signal +

C990b

14335

N638
Auxiliary function
selector switch as-
sembly, rear



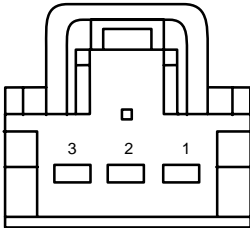
F02243

Pin	Circuit	Circuit Function
1	19 (LB/RD)	Switch illumination
2	57 (BK)	Illumination Ground

C989d

14334

N637
Auxiliary function
selector switch as-
sembly, front



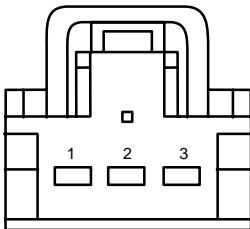
F03165

Pin	Circuit	Circuit Function
1	1125 (BN)	Signal Ground
2	1127 (YE)	position sense
3	1124 (WH)	signal +

C990c

14334/14335

N638
Auxiliary function
selector switch as-
sembly, rear



F03165

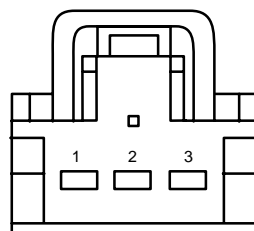
Pin	Circuit	Circuit Function
1	1129 (BN/WH)	Signal Ground
2	1130 (PK/LG)	position sense
3	1128 (GY/LB)	signal +

C990d

14334/14335

N638

Auxiliary function
selector switch as-
sembly, rear

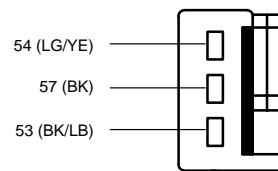


F03165

Pin	Circuit	Circuit Function
1	1125 (BN)	Signal Ground
2	1127 (YE)	position sense
3	1124 (WH)	signal +

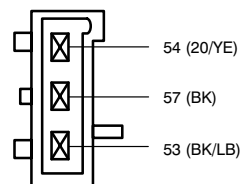
C991

13A718



F03072

14335



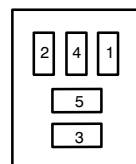
F03144

C1008

12A581

K107

A/C clutch relay

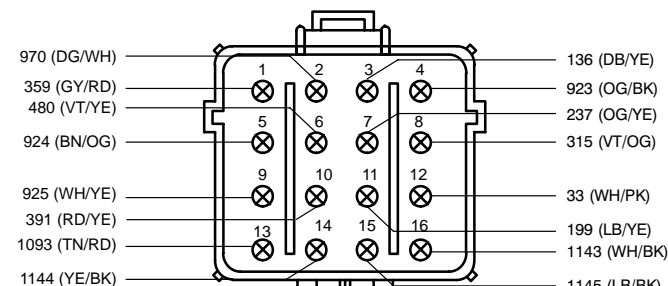


F05064

Pin	Circuit	Circuit Function
1	331 (PK/YE)	A/C clutch relay, control
2	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	326 (WH/VT)	Voltage supplied at all times (overload protected)
4	–	not used
5	321 (GY/WH)	A/C clutch relay, switched output

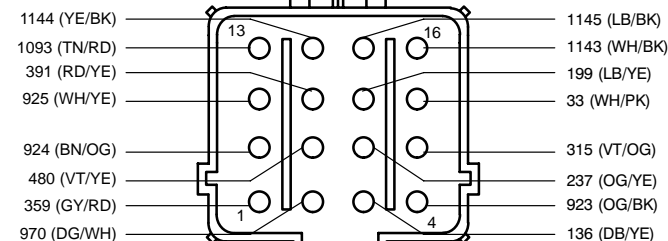
C1010

15525



F16087

12A581



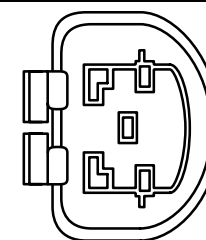
F16020

C1021

12A581

E1

Headlamp, left
(13008)



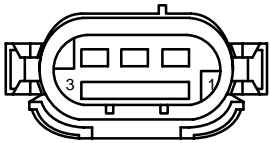
F03169

Pin	Circuit	Circuit Function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	160 (DB/WH)	Headlamp, left (13008), (Low beam lamp feed)

C1023

12A581

E164
Park/turn lamp, left
front (13411)



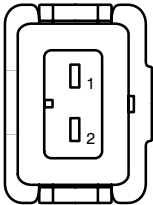
F03099

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	14 (BN)	Power, Exterior lamps
3	3 (LG/WH)	Turn lamps, feed, left front

C1025

12A581

N249
Brake pressure
switch (2B264)



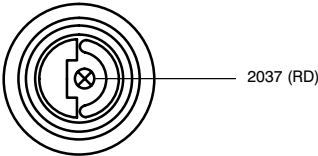
F02089

Pin	Circuit	Circuit Function
1	22 (LB/BK)	Brake feed
2	307 (BK/YE)	Brake pressure switch (2B264), input

C1026

14B060

14300



F01018

12A581

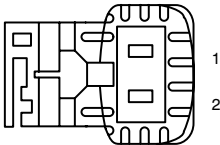


F01131

C1031

12A581

M3
Heater blower motor
(19805)



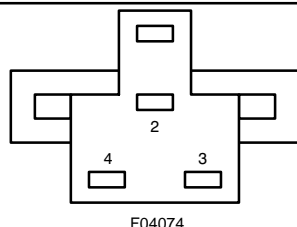
F02329

Pin	Circuit	Circuit Function
1	181 (BN/OG)	Voltage supplied at all times (overload protected)
2	261 (OG/BK)	Blower motor, to switch – High

C1032

12A581

R77
Heater blower motor
resistor, front
(19A706)

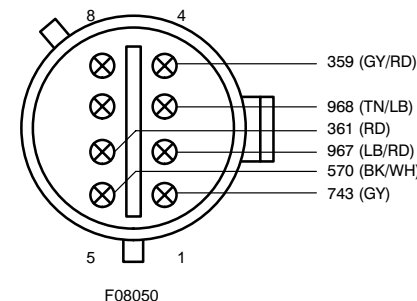


F04074

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 – High

C1040

12A581

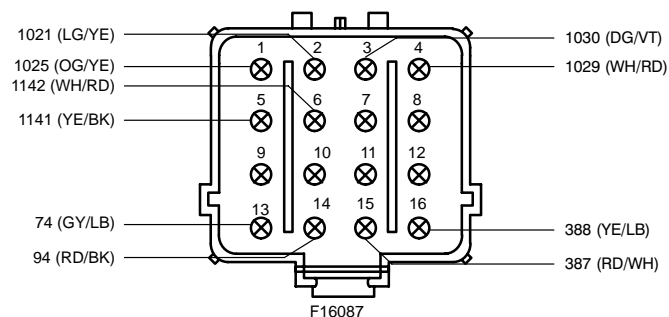


F08050

C1033

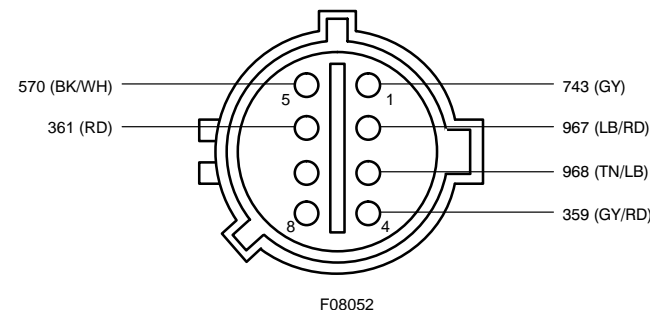
12A581

* = except California



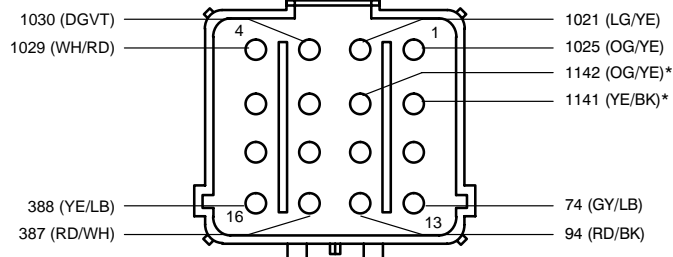
F16087

12A690



F08052

12B637

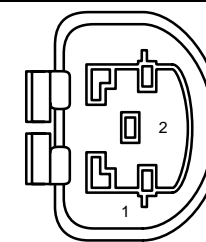


F16020

C1041

12A581

E7
Headlamp, right
(13008)



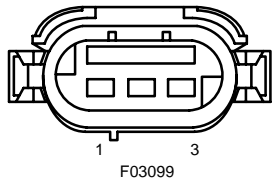
F03169

Pin	Circuit	Circuit Function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	1056 (DB/LG)	Headlamp, right (13008) – fused feed

C1043

12A581

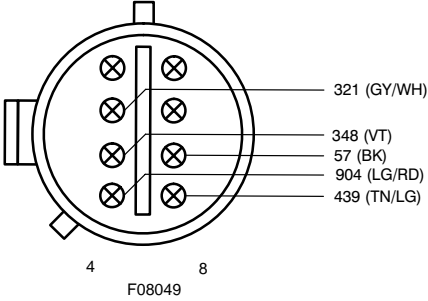
E166
Park/turn lamp, right
front (13411)



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

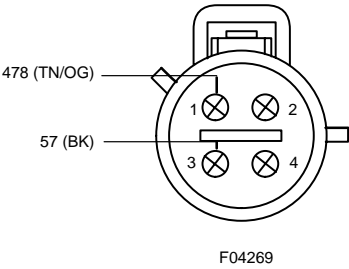
C1046

14305

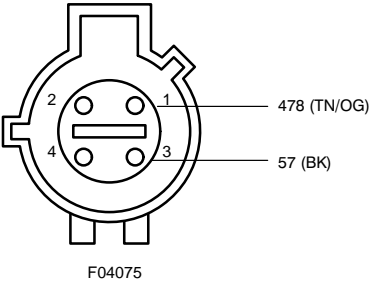


C1045

15A211

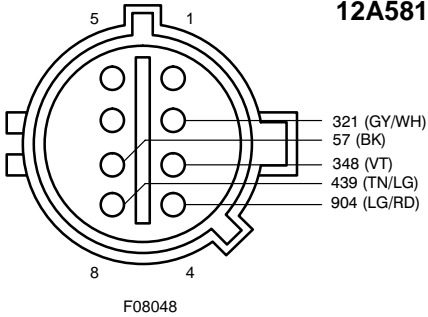


12A581

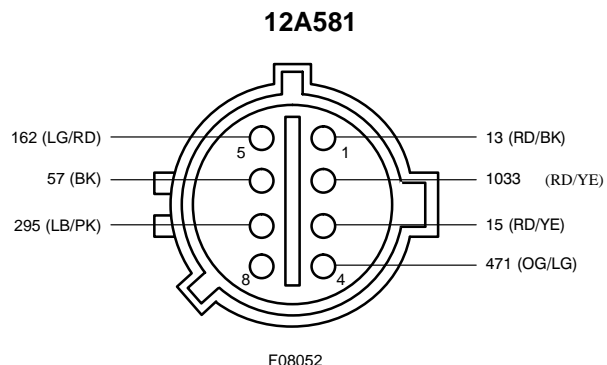
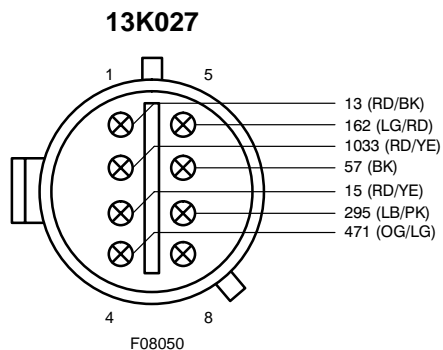


12A581

12A581



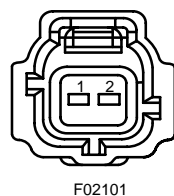
C1047



C1063

12A581

Y202
EVAP canister vent
control solenoid

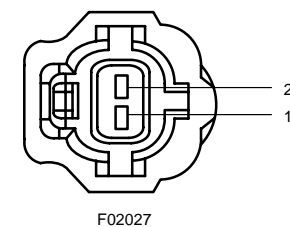


Pin	Circuit	Circuit Function
1	391 (RD/YE)	Power (Start or Run)
2	91 (VT/WH)	Switched ground

C1064

9D930

B10
Engine Coolant
Temperature (ECT)
sensor (12A648)

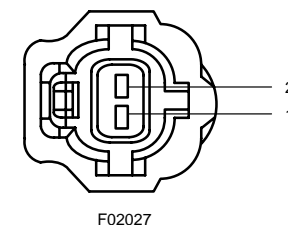


Pin	Circuit	Circuit Function
1	359 (GY/RD0)	Sensor signal return (reference/ground)
2	923 (OG/BK)	signal +

C1066

12B637

Y133
Idle air control valve
(IAC) (9F715)

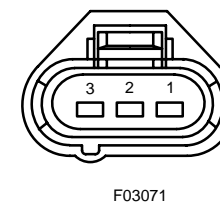


Pin	Circuit	Circuit Function
1	361 (RD)	PCM power relay, fused feed
2	264 (WH/LB)	Switched ground

C1068

12B637

B257
Differential pressure
feedback EGR
(DPFE) sensor
(9J460)

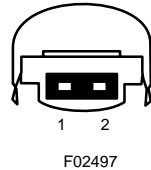


Pin	Circuit	Circuit Function
1	352 (BN/LG)	signal, Out
2	359 (GY/RD)	Sensor signal return (reference/ground)
3	351 (BN/WH)	Reference voltage

C1073

9D930

B230
Injector pressure
sensor



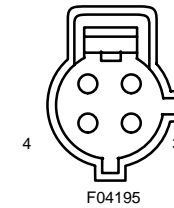
F02497

Pin	Circuit	Circuit Function
1	361 (RD)	PCM power relay, fused feed
2	552 (YE/RD)	Switched ground

C1081

19B573

N75
A/C compressor
cycling switch
(19E561)



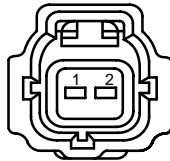
F04195

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

C1076

9D930

R32
Fuel heater



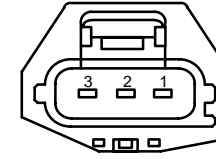
F02111

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Fuel heater, Power
2	1280 (GY/RD)	Water-in-fuel sensor

C1087

12A581

B2
Manifold Absolute
Pressure (MAP)
sensor



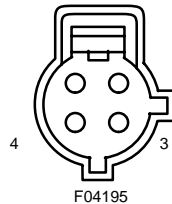
F03124

Pin	Circuit	Circuit Function
1	351 (BN/WH)	Reference, voltage
2	358 (LG/BK)	Manifold Absolute Pressure (MAP) sensor, to, Power-train Control Module (PCM) (12A650)
3	359 (GY/RD)	signal, return

C1078

19B573

N126
A/C high pressure
switch (19D594)



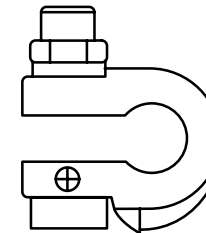
F04195

Pin	Circuit	Circuit Function
1	570 (BK/WH)	Ground
2	–	not used
3	441 (RD/YE)	A/C pressure switch, to A/C cycling switch
4	–	not used

C1100a

14300

O1
Battery (10655)



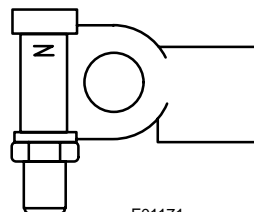
F01169

Pin	Circuit	Circuit Function
1	2037 (RD)	Battery Power

C1100b

14301

O1
Battery (10655)



F01171

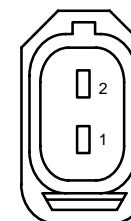
Pin	Circuit	Circuit Function
1	2057 (BK)	Ground

7.3L Diesel

C1126

12A581

E32
Side lamp, right
front (13411)



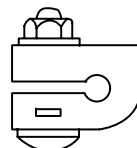
F02108

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

C1100b

14301

O1
Battery (10655)



F01127

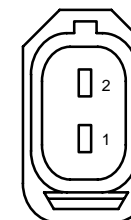
Pin	Circuit	Circuit Function
1	2057 (BK)	Ground

gasoline engines

C1127

12A581

E40
Side lamp, left front
(13411)



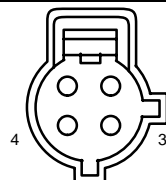
F02108

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

C1119

12A581

M278
Vacuum pump mo-
tor



F04195

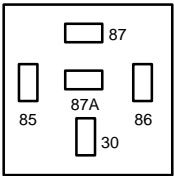
Pin	Circuit	Circuit Function
1	—	not used
2	57 (BK)	Ground
3	—	not used
4	295 (LB/PK)	Voltage, hot in run only

Diesel
only

C1129

15525

K378
Transfer case low to
high relay

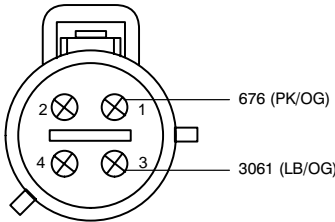


F05129

Pin	Circuit	Circuit Function
1	704 (DG/LG)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground
3	704 (DG/LG)	Voltage supplied at all times (overload protected)
4	777 (YE)	Four-wheel drive control module, to, Transfer case assembly
5	782 (BN/WH)	Switched ground

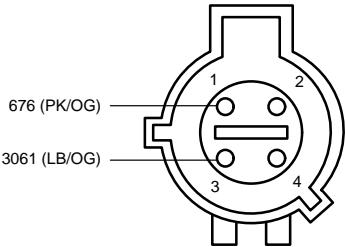
C1147

12A581



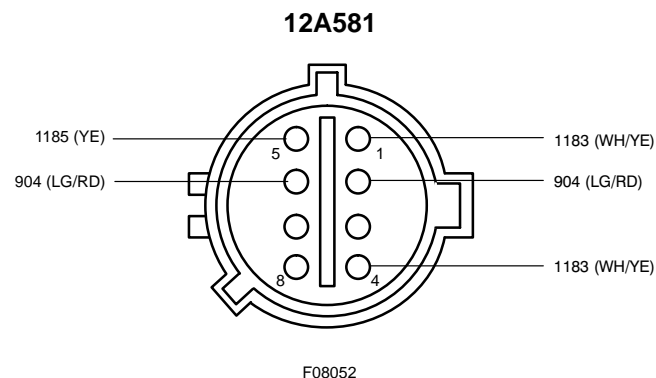
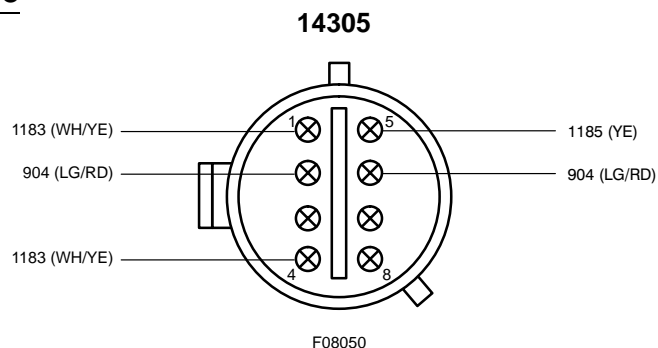
F04263

14K073



F04082

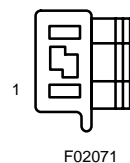
C1148



C1159

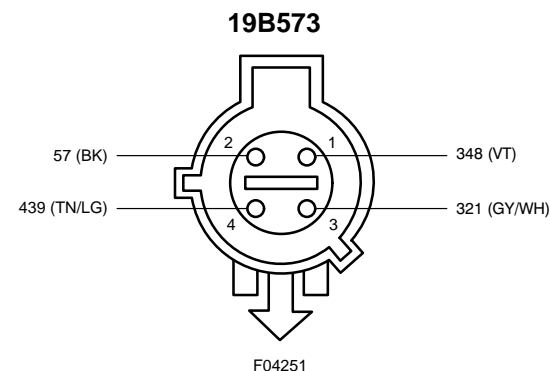
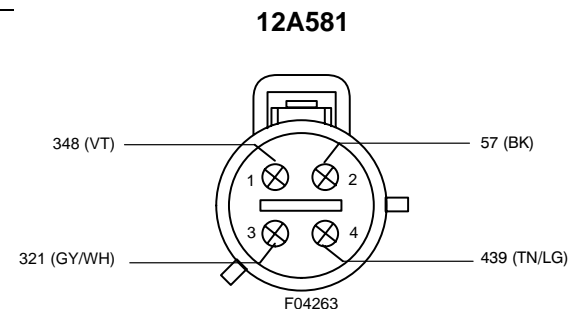
12A581

E27
Engine compartment lamp



Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	54 (LG/YE)	Voltage supplied at all times (overload protected)

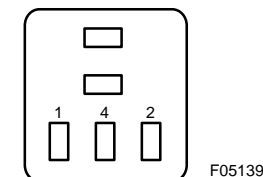
C1168



C1170

13K027

K389
Park brake relay

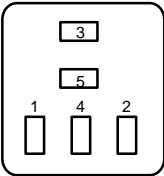


Pin	Circuit	Circuit Function
1	15 (RD/YE)	Power, Hot with Headlamps on
2	57 (BK)	Ground
3	175 (BK/YE)	Voltage supplied at all times (overload protected)
4	1032 (WH/BK)	Trailer tow relay, feed
5	—	not used

C1171

13K027

K370
Daytime Running
Lamps (DRL) relay
1



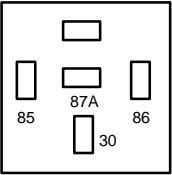
F05139

Pin	Circuit	Circuit Function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	162 (LG/RD)	Parking brake switch (15A851)
3	295 (LB/PK)	electronic cluster, Accessory, feed
4	175 (BK/YE)	Voltage supplied at all times (overload protected)
5	–	not used

C1172

13K027

K370
Daytime Running
Lamps (DRL) relay
1



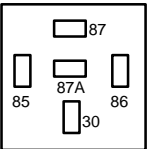
F05129

Pin	Circuit	Circuit Function
30	13 (RD/BK)	fused feed
85	1032 (YE)	Blower motor, feed
86	57 (BK)	Ground
87	471 (OG/LB)	Dropping resistor
87A	1033 (BN)	Blower motor, return

C1173

15525

K379
Transfer case high
to low relay

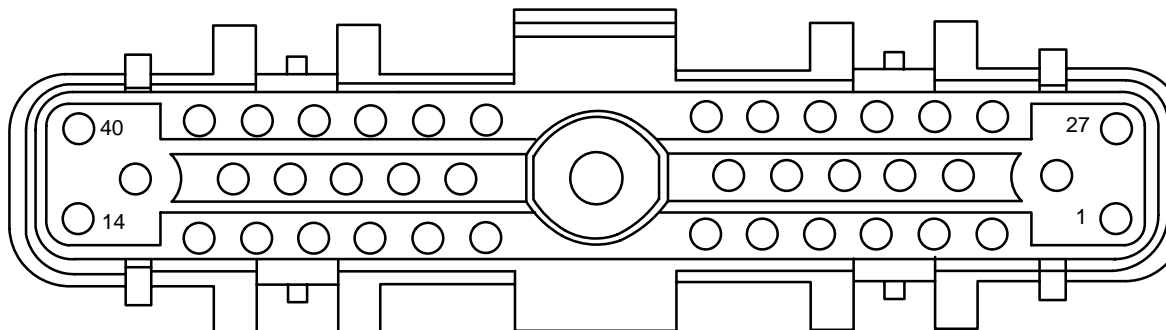


F05051

Pin	Circuit	Circuit Function
86	704 (DG/LG)	Voltage supplied at all times (overload protected)
87A	57 (BK)	Ground
87	704 (DG/LG)	Voltage supplied at all times (overload protected)
30	778 (OG)	Four-wheel drive control module, to, Transfer case assembly
85	781 OG/LB)	Switched ground

C1174**12A581**

A415
Injector Driver Mod-
ule (IDM)



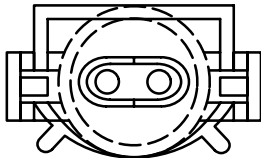
Pin	Circuit	Circuit Function
1	–	not used
2	359 (GY/RD)	signal, return
3	–	not used
4	818 (GY/WH)	signal, Fused battery feed
5	–	not used
6	555 (TN)	Injector 1, control
7	558 (BN/LB)	Injector 4, control
8	559 (TN/BK)	Injector 5, control
9	562 (LB)	Injector 8, control
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	876 (DG/LG)	Power, from, Injector Driver Module (IDM) power relay
15	–	not used
16	817 (YE/LB)	cylinder identification, signal, input
17	821 (BN/OG)	fuel delivery command, signal, input
18	48	Shield
19	560 (LG/OG)	Injector 6, control
20	561 (TN/RD)	Injector 7, control

Pin	Circuit	Circuit Function
21	557 (BN/YE)	Injector 3, control
22	556 (WH)	Injector 2, control
23	878 (PK/YE)	Fuel injectors, LH side, feed
24	1087 (OG)	Fuel injectors, RH side, feed
25	–	not used
26	574 (BK/PK)	Ground
27	–	not used
28	–	not used
29	–	not used
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	–	not used
40	–	not used

C1177

15525

N628
4x4 High/Low indi-
cator switch



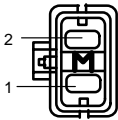
F02031

Pin	Circuit	Circuit Function
1	975 (BN/YE)	Four-wheel drive control module, to, Transfer case as- sembly
2	210 (LB)	Four-wheel drive control module, to, Instrument cluster

C1179

12614

A305
Air suspension com-
pressor assembly



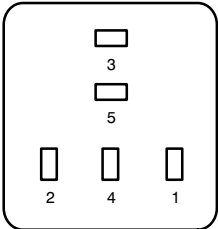
F02499

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	420 (DB/YE)	Fused accessory relay

C1187

12A581

K352
Trailer tow relay,
right turn



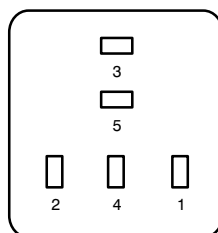
F05139

Pin	Circuit	Circuit Function
1	5 (OG/LB)	Relay, control
2	57 (BK)	Ground
3	–	Voltage supplied at all times (overload protected)
4	–	not used
5	64 (DG)	Wire insulation is one color, Turn signal

C1188

12A581

K353
Trailer tow relay, left
turn



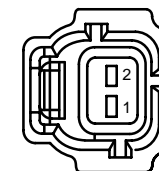
F05139

Pin	Circuit	Circuit Function
1	9 (LG/OG)	Relay, control
2	57 (BK)	Ground
3	—	Voltage supplied at all times (overload protected)
4	—	not used
5	52 (YE)	Trailer lamp socket, Turn signal

C1195

12A581

P133
Vapor management
valve



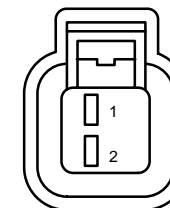
F02105

Pin	Circuit	Circuit Function
1	391 (RD/YE)	Voltage supplied in Start and Run (overload protected)
2	191 (LG/BK)	Powertrain Control Module (PCM) (12A650), EVAP canister purge valve

C1204

12B637

Y240
Injector 9 (9F593)



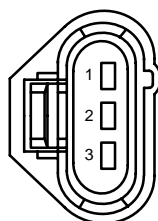
F02069

Pin	Circuit	Circuit Function
1	1100 (GY/BK)	control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C1189

12B637

B8
Throttle Position
Sensor (TPS)
(9B989)



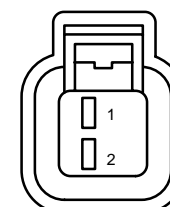
F03175

Pin	Circuit	Circuit Function
1	351 (BN/WH)	Reference voltage
2	355 (GY/WH)	position sense
3	359 (GY/RD)	Sensor signal return (reference/ground)

C1205

12B637

Y241
Injector 10 (9F593)



F02069

Pin	Circuit	Circuit Function
1	1101 (GY/RD)	control
2	361 (RD)	Voltage supplied in Start and Run (overload protected)

C1206

12B637

P89
Coil On Plug (COP)
9



F02371

Pin	Circuit	Circuit Function
1	16 (RD/LG)	Voltage supplied in Start and Run (overload protected)
2	1142 (WH/RD)	control

C1207

12B637

P150
Coil On Plug (COP)
10



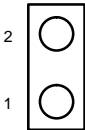
F02371

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 (12029), control

C1210

12A581

B269
Air filter sensor

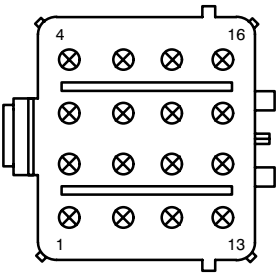


F02501

Pin	Circuit	Circuit Function
1	142 (LB/RD)	to Instrument cluster
2	57 (BK)	Ground

C1220

14405

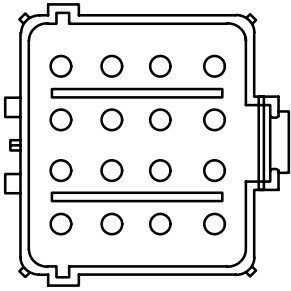


F16093

- (1) 523 (RD/PK)
- (2) 519 (LG/BK)
- (3) 9 (LG/OG)
- (4) 5 (OG/LB)
- (5) 64 (DG)
- (6) 52 (YE)

- (7) 511 (LG)
- (8) 351 (BN/WH)
- (9) 791 (RD/PK)
- (10) 359 (GY/RD)
- (11) –
- (12) –

15525

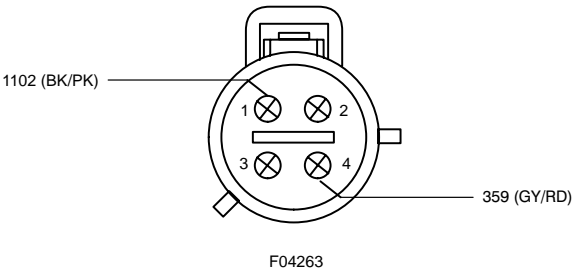


F16020

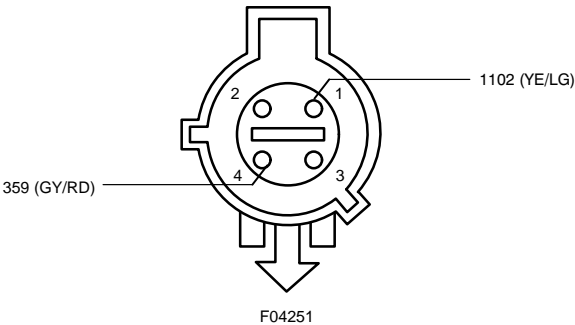
- (13) 392 (RD/LG)
- (14) 389 (WH/BK)
- (15) 391 (RD/YE)
- (16) –

C1221

14B102

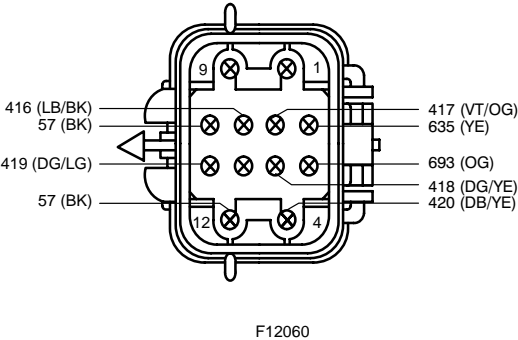


12B637

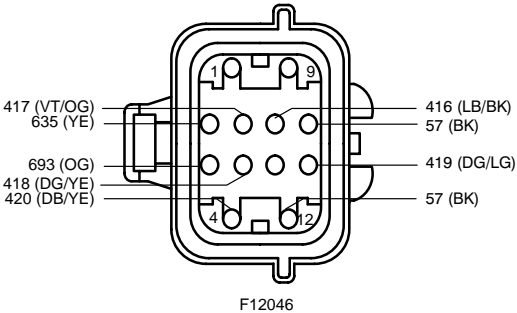


C1222

12614



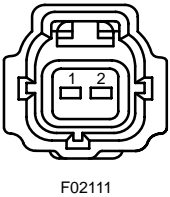
12A581



C1236

90930

B5
Air Charge Temperature (ACT) sensor

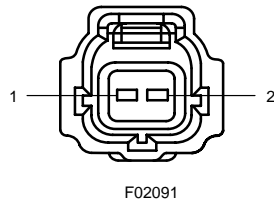


Pin	Circuit	Circuit Function
1	359 (GY/RD)	Sensor signal return (reference/ground)
2	1291 (RD/YE)	signal from Powertrain Control Module (PCM) (12A650)

C1246

90930

Y251
Waste gate solenoid

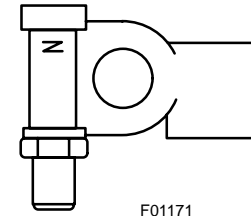


Pin	Circuit	Circuit Function
1	1275 (WH/RD)	Switched ground
2	16 (RD/LG)	Fuel heater, Power

C1249b

14301

O3
Battery II

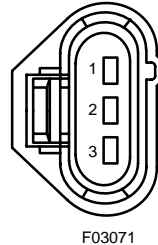


Pin	Circuit	Circuit Function
1	2057 (BK)	Ground

C1247

12A581

Y252
Electronic Shift On
the Fly (ESOF) sole-
noid

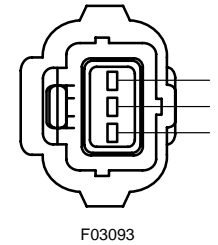


Pin	Circuit	Circuit Function
1	605 (RD)	Voltage supplied at all times (not overload protected)
2	295 (LB/PK)	electronic cluster, Accessory, feed
3	145 (GY/BK)	Shift solenoid

C1251a

14305

O47
Generator, second-
ary

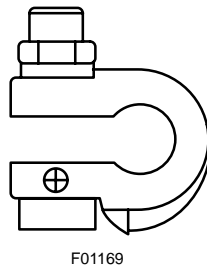


Pin	Circuit	Circuit Function
1	1185 (YE)	Charge (including: ammeter/voltmeter) indicator
2	—	not used
3	35 (OG/LB)	Voltage supplied at all times (overload protected)

C1249a

14B060

O3
Battery II

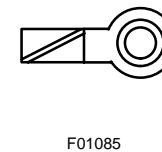


Pin	Circuit	Circuit Function
1	2037 (RD)	Battery Power

C1251c

14305

O47
Generator, second-
ary

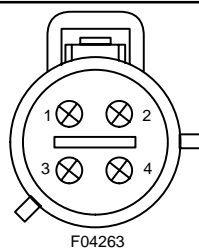


Pin	Circuit	Circuit Function
1	36 (YE/WH)	Voltage supplied at all times (overload protected)

C1253

15525

M12
Fuel pump



Pin	Circuit	Circuit Function
1	787 (PK/BK)	Fuel pump, Power
2	—	not used
3	—	not used
4	57 (BK)	Ground

C1271

90930

B279
Exhaust Back Pres-
sure (EBP) sensor

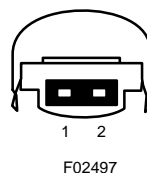


Pin	Circuit	Circuit Function
1	351 (BN/WH)	Reference voltage
2	553 (VT/LB)	position sense
3	359 (GY/RD)	Sensor signal return (reference/ground)

C1272

90930

Y265
Exhaust Pressure
Regulator (EPR)

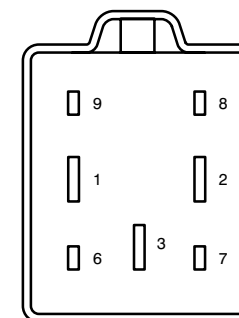


Pin	Circuit	Circuit Function
1	318 (GY/RD)	Switched power from Powertrain Control Module (PCM) (12A650)
2	570 (BK/WH)	Ground

C1273a (GN)

9D930

A407
Glow plug control
module (GPCM)

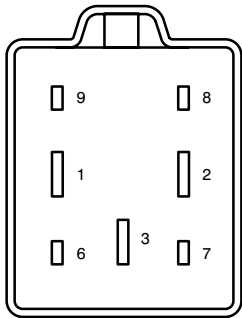


Pin	Circuit	Circuit Function
1	110 (BN/WH)	Glow plug 5, control
2	110 (BN/RD)	Glow plug 7, control
3	380 (BK/OG)	Battery Power
4	—	not used
5	—	not used
6	110 (BN/BU)	Glow plug 1, control
7	110 (BN/GN)	Glow plug 3, control
8	1086 (VT/OG)	Powertrain Control Module (PCM) (12A650)
9	1277 (WH/LG)	Powertrain Control Module (PCM) (12A650)

C1273b (BK)

9D930

A407
Glow plug control
module (GPCM)

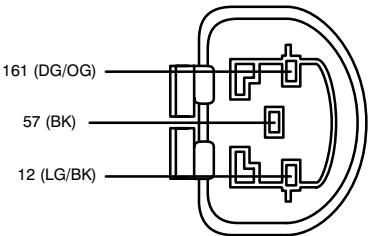


F07101

Pin	Circuit	Circuit Function
1	110 (YE/WH)	Glow plug 6, control
2	110 (YE/RD)	Glow plug 8, control
3	380 (BK/OG)	Battery Power
4	—	not used
5	—	not used
6	110 (YE/BU)	Glow plug 2, control
7	110 (YE/GN)	Glow plug 4, control
8	—	not used
9	361 (RD)	PCM power relay, fused feed

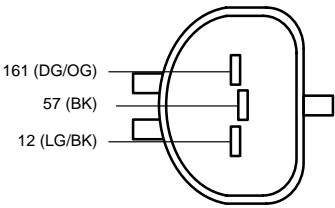
C1281

12A581



F03169

13A006

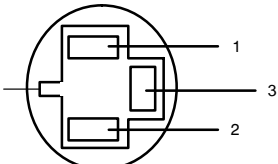


F03065

C1284

13A006

E1
Headlamp, left
(13008)

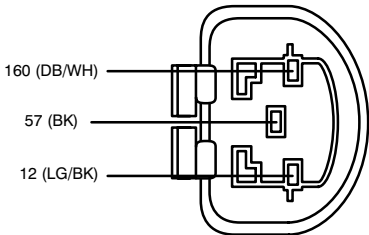


F03291

Pin	Circuit	Circuit Function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, left (13008), (Low beam lamp feed)

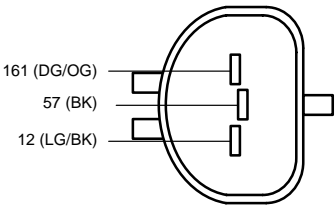
C1278

12A581



F03169

13A006

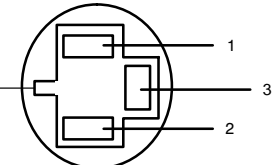


F03289

C1285

13A006

E7
Headlamp, right
(13008)



F03041

Pin	Circuit	Circuit Function
1	12 (LG/BK)	High beam
2	57 (BK)	Ground
3	161 (DG/OG)	Headlamp, right (13008), (Low beam lamp feed)

C1300a**12A581**

K247
Air suspension com-
pressor relay

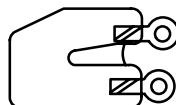


F01133

Pin	Circuit	Circuit Function
1	416 (LB/BK)	Shock absorber solenoid valve, right rear (5A891)

C1300b**12A581**

K247
Air suspension com-
pressor relay

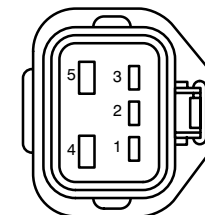


F02459

Pin	Circuit	Circuit Function
1	381 (TN/WH)	Fused battery feed
2	420 (DB/YE)	Air suspension module (3C142), to, Air suspension compressor relay, signal

C1308**19D605**

M200
Front blower motor
speed controller
(19E624)



F05089

Pin	Circuit	Circuit Function
1	752 (YE/RD)	Blower switch speed control, to resistor
2	754 (LG/WH)	Blower switch speed control, to resistor
3	261 (OG/BK)	Blower motor, to switch – High
4	261 (OG/BK)	Blower motor, to switch – High
5	57 (BK)	Ground

C1303**90930**

B285
Injection pressure
sensor

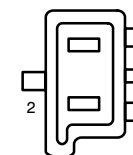


F03120

Pin	Circuit	Circuit Function
1	351 (BN/WH)	Reference voltage
2	812 (DB/LG)	Pressure, monitor
3	359 (GY/RD)	Sensor signal return (reference/ground)

C2003**14401**

M236
Adjustable pedal
motor (2C429)



F02201

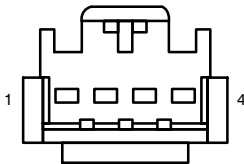
without memory

Pin	Circuit	Circuit Function
1	1489 (LB/BK)	Adjustable pedal switch
2	1490 (LB/OG)	Adjustable pedal switch

C2007

14401

A271
Passive anti-theft
transceiver



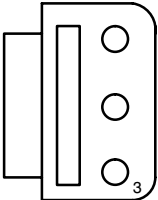
F04257

Pin	Circuit	Circuit function
1	165 (TN/WH)	TX, –
2	1266 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	1216 (GY/OG)	RX, signal
4	1215 (WH/LG)	TX, signal

C2008

14401

Y215
Brake shift interlock
(3Z719)



F03080

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

C2015

14401

N63
Parking brake
switch (15A851)

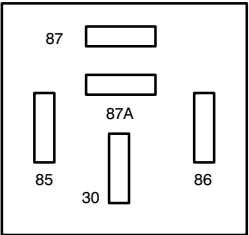


F01075

Pin	Circuit	Circuit Function
1	162 (LG/RD)	Switched ground

C2017

K73
Blower motor relay



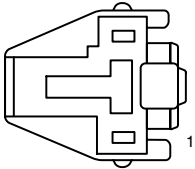
F05129

Pin	Circuit	Circuit Function
30	–	Voltage supplied at all times (overload protected)
85	399 (BN/YE)	Switched power
86	57 (BK)	Ground
87	181 (BN/OG)	Blower motor feed
87A	–	not used

C2031

14401

R42
Cigar lighter, front
(15055)

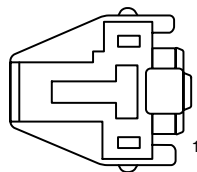


F02389

Pin	Circuit	Circuit Function
1	40 (LB/WH)	Cigar lighter, feed
2	57 (BK)	Ground

C2033**14401**

N614
Power point, instru-
ment panel
(19N236)

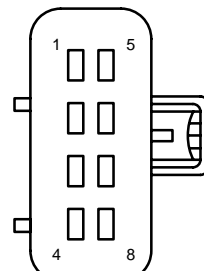


F02389

Pin	Circuit	Circuit Function
1	1049 (BN/PK)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C2035**14401**

N470
Parking aid disable
switch (15A860)

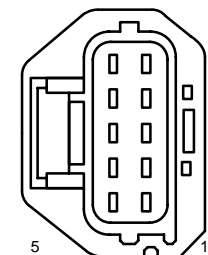


F08110

Pin	Circuit	Circuit Function
1	676 (PK/OG)	Vehicle Speed Sensor (VSS) –
2	1435 (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)	Voltage supplied at all times (overload protected)

C2040**14401**

B129
Accelerator pedal
position sensor



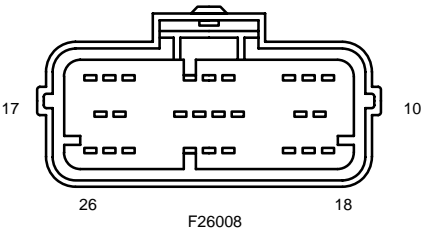
F10105

Pin	Circuit	Circuit Function
1	–	not used
2	–	not used
3	–	not used
4	–	not used
5	–	not used
6	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
7	1285 (RD/LG)	position sense
8	355 (GY/WH)	Throttle Position Sensor (TPS) (9B989), input
9	357 (YE/WH)	Powertrain Control Module (PCM) (12A650), to, Generic Electronic Module (GEM) (14B205)
10	351 (BN/WH)	Reference, voltage

C2041

14401

A208
Restraints control
module (14B321)

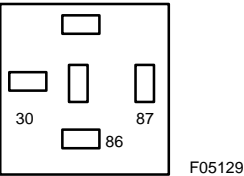


Pin	Circuit	Circuit Function
1	–	not used
2	609 (OG/YE)	Voltage supplied at all times (overload protected)
3	614 (GY/OG)	Driver air bag, feed, monitor
4	615 (GY/WH)	Driver air bag, return
5	70 (LB/WH)	ISO Bus
6	607 (LB/OG)	Passenger air bag, feed, monitor
7	616 (PK/BK)	Passenger air bag, return
8	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input
9	1113 (YE/LG)	Passenger Air bag Deactivation (PAD) switch, indicator, control
10	649 (BK/OG)	Air bag, dedicated ground
11	–	not used
12	–	not used
13	609 (OG/YE)	Voltage supplied at all times (overload protected)
14	649 (BK/OG)	Air bag, dedicated ground
15	1081 (YE/RD)	Passenger safety belt retractor pretensioner, feed
16	1082 (YE/BK)	Passenger safety belt retractor pretensioner, return
17	–	not used
18	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
19	–	not used
20	608 (BK/YE)	Air bag indicator, control
21	649 (BK/OG)	Air bag, dedicated ground
22	1080 (LG/BK)	Driver safety belt retractor pretensioner, return
23	–	not used
21	–	not used
22	–	not used
23	1083 (LB/BK)	Air bag, tone driver

C2047

14401

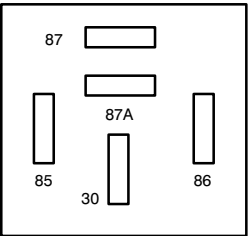
K2
Indicator flasher
relay (13350)



Pin	Circuit	Circuit Function
30	295 (LB/PK)	electronic cluster, Accessory, feed
85	10 (LG/RD)	Voltage supplied at all times (overload protected)
87A	385 (WH/RD)	Voltage supplied at all times (overload protected)
87	44 (LB)	Turn signal flasher, to turn signal switch
86	57 (BK)	Ground

C2075

K126
Accessory delay
relay

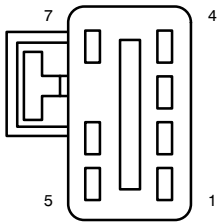


Pin	Circuit	Circuit Function
30	–	Battery Power
85	54 (LG/YE)	Fused accessory relay
86	1332 (LB)	control
87	400 (LB/BK)	fused feed
87A	–	not used

C2089 J1900 without memory

14401

N449
Adjustable pedal
switch



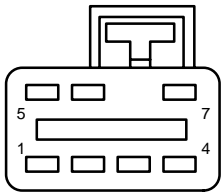
F07055

Pin	Circuit	Circuit Function
1	1489 (LB/BK)	Adjustable pedal motor (2C429)
2	1567 (RD/LB)	Voltage supplied at all times (overload protected)
3	57 (BK)	Ground
4	57 (BK)	Ground, Illumination
5	19 (LB/RD)	Switch illumination
6	57 (BK)	Ground
7	1490 (LB/OG)	Adjustable pedal motor (2C429)

C2089 with memory

14401

N449
Adjustable pedal
switch



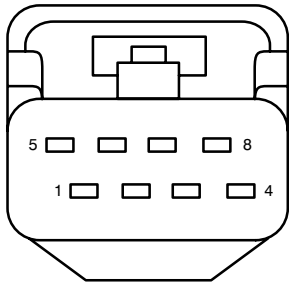
F07085

Pin	Circuit	Circuit function
1	1493 (PK/BK)	Motor position, Forward
2	676 (BK/LB)	Ground
3	–	not used
4	57 (BK)	Ground, Illumination
5	19 (LB/RD)	Switch illumination
6	–	Ground
7	1492 (LB/RD)	Motor position, Rearward

C2093

14401

A283
Remote solenoid
assembly



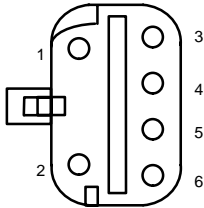
F08159

Pin	Circuit	Circuit Function
1	112 (PK/YE)	common
2	1107 (WH)	Solenoid #1, control
3	1108 (TN/WH)	Solenoid #2, control
4	1109 (OG/BK)	Solenoid #3, control
5	1110 (LG/VT)	Solenoid #4, control
6	1111 (VT)	Solenoid #5, control
7	–	not used
8	–	not used

C2099

14401

N475
Passenger Air bag
Deactivation (PAD)
switch



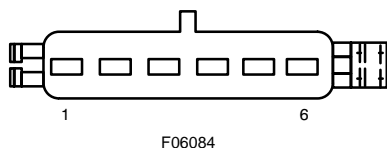
F06052

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 at all times (overload protected)
5	649 (BK/OG)	Vehicle identification
6	1112 (WH/LB)	Passenger Air bag Deactivation (PAD) switch, input

C2103

14A005

P5
Clutch triple function
switch jumper

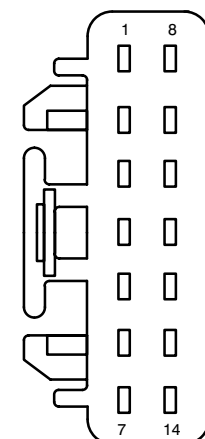


Pin	Circuit	Circuit Function
1	33 (WH/PK)	switched power, to starter solenoid
2	1093 (TN/RD)	Power, Hot in Start with Park or Neutral
3	306 (TN/LB)	Brake pedal position switch (13480), input
4	810 (RD/LG)	Brake pedal position switch (13480), input – gasoline engines
	640 (RD/YE)	Voltage supplied in Start and Run (overload protected) Diesel only
5	33 (WH/PK)	switched power, to starter solenoid
6	199 (LB/YE)	Clutch pedal position switch, to, Powertrain Control Module (PCM) (12A650)

C2113a

14A005

A427
Vehicle Security
Module (VSM)

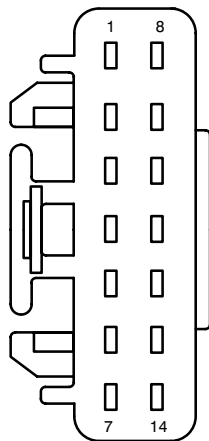


Pin	Circuit	Circuit Function
1	117 (PK/BK)	Door lock, output
2	1210 (BK/WH)	Door unlock, logic ground
3	1211 (WH/RD)	Door lock, logic ground
4	765 (YE/BK)	Door ajar switch, driver side front (14018)
5	761 (GY/RD)	Door ajar switch, passenger side front (14018)
6	760 (PK/LB)	Door ajar switch, right rear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

C2113b

14A005

A427
Vehicle Security
Module (VSM)



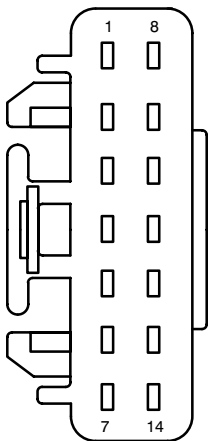
F14013

Pin	Circuit	Circuit Function
1	116 (RD/BK)	Driver Door Module
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)	switched power, autolamps, On
6	1 (DB)	Horn relay, control
7	15 (RD/YE)	Headlamp relay, feed
8	195 (TN/WH)	Park lamp relay – fused feed
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)

C2113c

14A005

A427
Vehicle Security
Module (VSM)

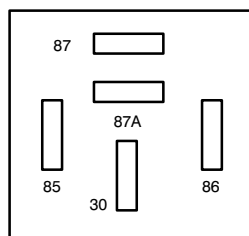


F14013

Pin	Circuit	Circuit Function
1	–	not used
2	121 (YE/BK)	Key pad button 1/2
3	123 (RD)	Key pad button 3/4
4	124 (BN)	Key pad common
5	693 (OG)	Voltage supplied at all times (overload protected)
6	66 (LB)	Key pad illumination
7	–	not used
8	–	not used
9	122 (YE)	Key pad button 7/8
10	–	not used
11	–	not used
12	–	not used
13	–	not used
14	–	not used

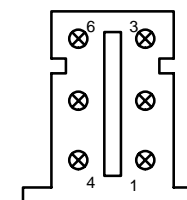
C2116**14401**

K354
Auxiliary A/C relay



F05129

Pin	Circuit	Circuit Function
30	364 (BK/LG)	Voltage supplied at all times (overload protected)
85	56 (BK)	Ground
86	181 (BN/OG) 295 (LB/PK)	Voltage in Run (overload protected)
87	371 (LB/PK)	Blower motor, rear, feed
87A	—	not used

C2142**14401**

F06138

Pin	Circuit	Circuit Function
1	—	not used
2	14 (BN)	Power, Exterior lamps
3	206 (WH)	Trailer tow connector (15A416), Ground
4	50 (RD)	Central Junction Box (CJB) (14A068), Start, to, Ignition switch (11572)
5	511 (LG)	Brake pedal position switch (13480), to stoplamps
6	43 (DB)	Electric trailer brakes

C2135**14401**

N250
Overdrive cancel
switch (7G550)



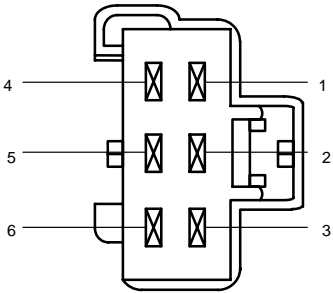
F03245

Pin	Circuit	Circuit Function
1	911 (WH/LG)	Transmission Control Indicator Lamp (TCIL)
2	640 (RD/YE)	Voltage supplied in Start and Run (overload protected)
3	224 (TN/WH)	Powertrain Control Module (PCM) (12A650), to transmission overdrive cancel switch

C2159

14401

M236
Adjustable pedal
motor (2C429)



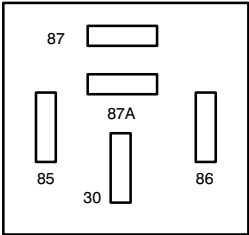
F06112

with memory

Pin	Circuit	Circuit Function
1	446 (OG/WH)	Sensor signal return (reference/ground)
2	1491 (LB/YE)	position sense
3	447 (OG/RD)	Reference voltage
4	–	not used
5	1490 (LB/OG)	Fwd/Rwd motor
6	1489 (LB/BK)	Fwd/Rwd motor

C2160

K163
PCM power relay

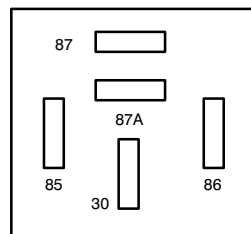


F05129

Pin	Circuit	Circuit Function
30	–	Battery Power
85	–	Ground
86	16 (RD/LG)	Voltage, ignition switch in Start or Run (overload protected electronic module)
87	–	fused feed
87A	–	not used

C2163

K22
Starter relay (11450)

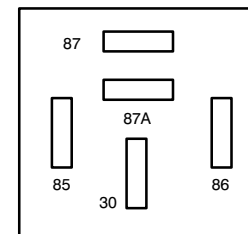


F05129

Pin	Circuit	Circuit Function
30	2037 (RD)	Fused battery feed
85	57 (BK)	Ground
86	1093 (TN/RD)	Voltage supplied with park/neutral
87	113 (YE/LB)	to starter solenoid
87A	—	not used

C2170

K380
Injector Driver Mod-
ule (IDM) power
relay



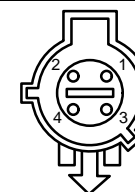
F05129

Pin	Circuit	Circuit Function
30	—	Voltage supplied at all times (overload protected)
85	814 (WH/BK)	Switched ground
86	—	PCM power relay, fused feed
87	876 (DG/LG)	feed
87A	—	not used

C2176

14401

A416
Auxiliary Powertrain
Control Module
(APCM)



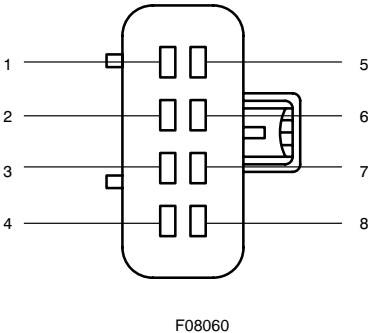
F04251

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	914 (TN/OG)	Standard Corporate Protocol (SCP) data +
3	640 (RD/YE)	Voltage, ignition switch in Start or Run (overload protected electronic module)
4	915 (PK/LG)	Standard Corporate Protocol (SCP) data —

C2181

14401

N619
Air suspension
switch, rear

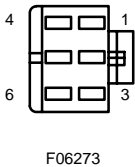


Pin	Circuit	Circuit Function
1	418 (DG/YE)	Battery voltage, hot in Run only
2	417 (VT/OG)	switched power
3	–	not used
4	57 (BK)	Ground
5	–	not used
6	635 (YE)	indicator, Illumination
7	–	not used
8	19 (LB/RD)	Switch illumination

C2194

14401

N629
Fuel tank selector
switch

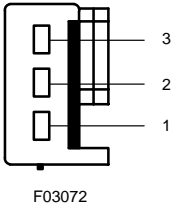


Pin	Circuit	Circuit Function
1	786 (RD)	Fuel tank selector valve
2	1002 (BK/PK)	Voltage in Run or Accessory (overload protected)
3	789 (BN/WH)	Fuel tank selector valve
4	789 (BN/WH)	Fuel tank selector valve
5	57 (BK)	Ground
6	786 (RD)	Fuel tank selector valve

C2207

14401

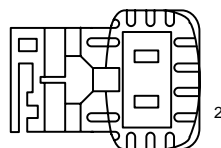
N316
Inertia Fuel Shutoff
(IFS) switch
(9D362)



Pin	Circuit	Circuit Function
1	238 (DG/YE)	to Fuel pump relay
2	784 (PK/BK)	to Fuel tank unit (9H307)
3	–	not used

C3002**14A504**

M130
Blower motor, rear
(18456)

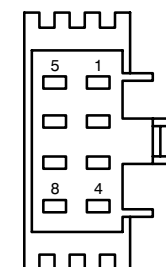


F02329

Pin	Circuit	Circuit Function
1	371 (PK/WH)	Blower motor relay, switched output
2	536 (BK/LG)	Blower motor relay, Blower motor

C3004**14A504**

M145
Blend door actuator,
rear (19E616)

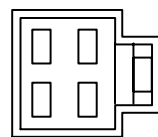


F08059

Pin	Circuit	Circuit Function
1	1124 (WH)	Temperature blend door actuator (19E616), feed
2	1126 (LB)	Rear A/C control module, signal
3	—	not used
4	—	not used
5	57 (BK)	Ground
6	295 (LB/PK)	electronic cluster, Accessory, feed
7	1125 (BN)	Temperature blend door actuator (19E616), return
8	—	not used

C3003**14A504**

R78
Heater blower motor
resistor, rear
(19A706)



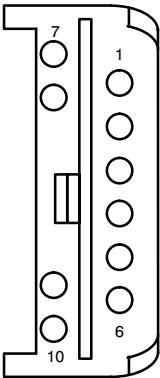
F04249

Pin	Circuit	Circuit Function
1	269 (LB/OG)	Heater blower motor (19805), to, Heater blower switch
2	756 (RD/PK)	Auxiliary Air Conditioner/Heater, control
3	1132 (YE)	Blower motor, feed
4	751 (DB/WH)	Auxiliary Air Conditioner/Heater, control

C3005

14A504

A404
Rear A/C control
module



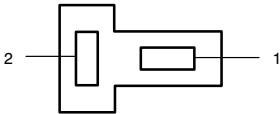
F10009

Pin	Circuit	Circuit Function
1	1130 (PK/LG)	Mode door actuator, rear, position sense
2	1126 (LB)	Blend door actuator, control
3	1131 (LG)	Mode door actuator, rear, control
4	1121 (DG/YE)	Switched ground
5	1122 (RD)	Blend door actuator, position sense
6	57 (BK)	Ground
7	–	not used
8	295 (LB/PK)	electronic cluster, (voltage applied), feed
9	1127 (YE)	Blend door actuator, position sense
10	1123 (YE/WH)	Mode actuator, position sense

C3009

14A005

N615
Power point, C pillar
(19N236)



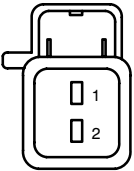
F02287

Pin	Circuit	Circuit Function
1	1543 (YE)	Voltage supplied at all times (overload protected)
2	57 (BK)	Ground

C3014

14A005

A225
Driver safety belt re-
tractor pretensioner



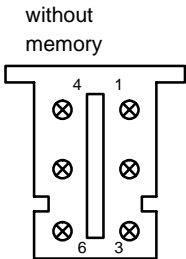
F02042

Pin	Circuit	Circuit Function
1	1079 (LG/RD)	Driver safety belt retractor pretensioner, feed
2	1080 (LG/BK)	Driver safety belt retractor pretensioner, return

C3015

14B084

M215
Power seat motor
assembly, right



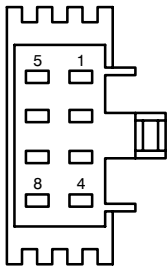
F06138

Pin	Circuit	Circuit Function
1	989 (RD/LG)	Seat adjust switch, to, rear, Tilt, Seat motor
2	988 (YE/LG)	Seat adjust switch, to, rear, Tilt, Seat motor
3	986 (YE/WH)	Seat adjust switch, to, Passenger seat horizontal motor
4	984 (YE/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
5	985 (RD/LB)	Seat adjust switch, to, rear, Tilt, Seat motor
6	987 (RD/WH)	Seat adjust switch, to, Passenger seat horizontal motor

C3044

14A504

M261
Mode door actuator,
rear

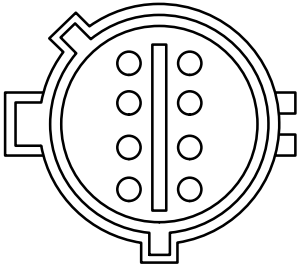


F08059

Pin	Circuit	Circuit Function
1	1128 (GY/LB)	signal, +
2	1131 (LG)	Rear A/C control module, signal
3	–	not used
4	–	not used
5	57 (BK)	Ground
6	295 (LB/PK)	electronic cluster, Accessory, feed
7	1129 (BN/WH)	Signal return
8	–	not used

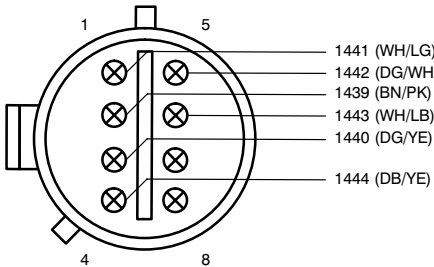
C3047

jumper



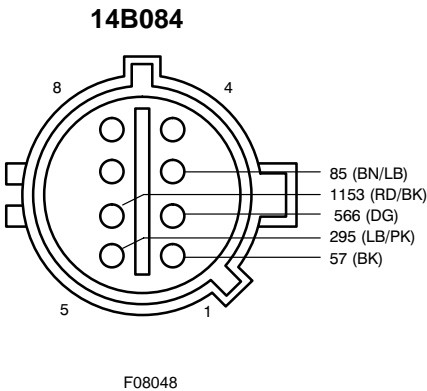
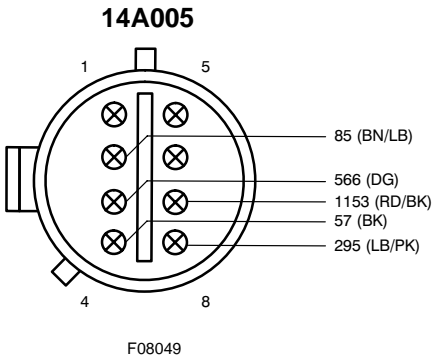
F08048

14A005



F08049

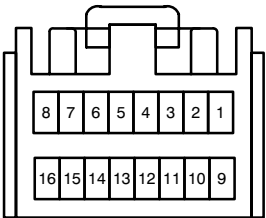
C3049



C3076

14B079

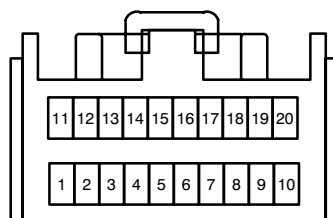
A270
Video cassette play-
er



Pin	Circuit	Circuit Function
1	1564 (RD)	Accessory delay
2	–	not used
3	–	not used
4	1802 (DG)	audio Switch illumination
5	1540 (DG)	VCP IR data +
6	99 (LG/BK)	Audio signal positive, Left
7	891 (RD/BK)	Audio signal positive, Right
8	47 LB/WH)	VCP video +
9	–	not used
10	–	not used
11	–	not used
12	1541 (DB)	VCP IR data –
13	694 (BK/LG)	Ground
14	1402 (RD/WH)	Audio signal negative, Drain wire, Right
15	76 (LG/WH)	Audio signal negative, Drain wire, Left
16	48	VCP video Drain wire

C3077a**14B079**

A267
Rear Seat Entertainment
(RSE) module

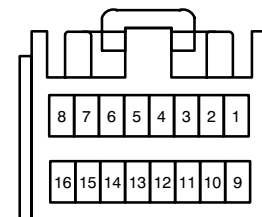


F20039

Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	47 (LB/WH)	VCP video + input
7	99 (LG/BK)	Audio signal positive, Left
8	891 (RD/BK)	Audio signal positive, Right
9	1807 (WH)	VCP video + output
10	1802 (DG)	Rear Seat Entertainment (RSE) module
11	1559 (RD)	Audio signal positive, Left
12	1560 (WH)	Audio signal negative, Left
13	1561 (OG)	Audio signal positive, Right
14	1562 (YE)	Audio signal negative, Right
15	48	audio Drain wire
16	48	VCP Drain wire
17	76 (LG/WH)	Audio signal negative, Drain wire, Left
18	1402 (RD)	Audio signal negative, Drain wire, Right
19	1808 (BK)	VCP, video, — output
20	48	Drain wire

C3077b**14B079**

A267
Rear Seat Entertainment
(RSE) module



F16103

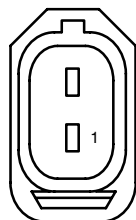
Pin	Circuit	Circuit Function
1	694 (BK/LG)	Power ground
2	827 (TN/WH)	Speaker, left rear (18808) + output
3	800 (GY/LB)	Speaker, left rear (18808) +
4	801 (TN/YE)	Speaker, left rear (18808) —
5	694 (BK/LG)	without power locks
6	803 (BN/PK)	Speaker, right rear (18808) —
7	802 (OG/RD)	Speaker, right rear (18808) +
8	825 (TN/LG)	Speaker, right rear (18808) + output
9	19 (LB/RD)	Illumination +
10	57 (BK)	Illumination —
11	—	not used
12	832 LB/PK)	Audio corporate protocol (A)
13	833 (TN)	Audio corporate protocol (B)
14	694 (BK/LG)	Power ground
15	829 (WH/VT)	Battery voltage
16	1068 (LG/BK)	Audio System ON (ASYSON)

150-117 Connector Views

C3084

19F504

E260
Running board
lamp, left front



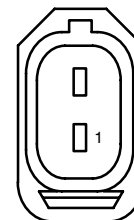
F02108

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

C3087

19F504

E263
Running board
lamp, right rear



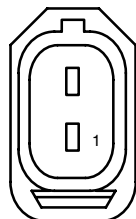
F02108

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

C3085

19F504

E261
Running board
lamp, left rear



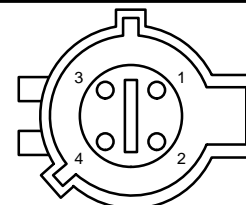
F02108

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

C3094

14405

B276
Fuel sender, primary



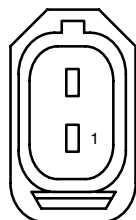
F04082

Pin	Circuit	Circuit Function
1	—	not used
2	675 (YE/LB)	Sensor signal return (reference/ground)
3	—	not used
4	396 (BK/OG)	Reference voltage

C3086

19F504

E262
Running board
lamp, right front



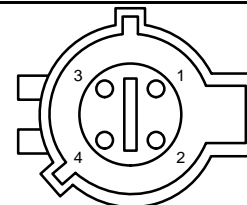
F02108

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

C3095

14405

B277
Fuel sender, sec-
ondary



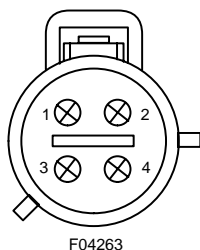
F04082

Pin	Circuit	Circuit Function
1	—	not used
2	673 (DB/YE)	Sensor signal return (reference/ground)
3	—	not used
4	396 (BK/OG)	Reference voltage

C3156

12614

B286
Air tank pressure
sensor



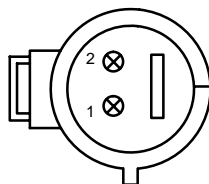
F04263

Pin	Circuit	Circuit Function
1	428 (OG/BK)	Sensor signal +
2	427 (PK/BK)	Sensor signal
3	—	not used
4	429 (VT/LG)	Sensor signal return (reference/ground)

C3157

12614

Y279
Air tank moisture re-
moval valve



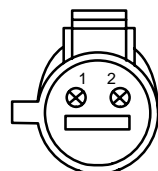
F02072

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	423 (VT/LG)	switched power

C3158

12614

Y280
Air tank valve



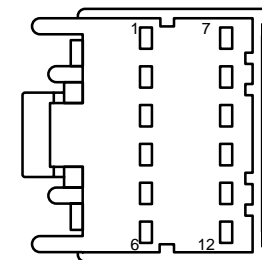
F02373

Pin	Circuit	Circuit Function
1	57 (BK)	Ground
2	424 (TN)	switched power

C3177

14B079

T12
Power choke 1



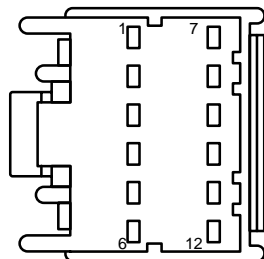
F12103

Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	—	not used
7	1564 (RD)	Coil, switched power
8	—	not used
9	—	not used
10	—	not used
11	—	not used
12	1564 (RD)	Video cassette player

C3178

14B079

T13
Power choke 2



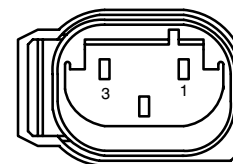
F12103

Pin	Circuit	Circuit Function
1	—	not used
2	—	not used
3	—	not used
4	—	not used
5	—	not used
6	—	not used
7	829 (WH/VT)	Coil, switched power
8	—	not used
9	—	not used
10	—	not used
11	—	not used
12	829 (WH/VT)	Rear Seat Entertainment (RSE) module

C4010

14N139

B252
Parking aid sensor,
inner left (15K859)



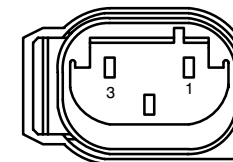
F03110

Pin	Circuit	Circuit Function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4011

14N139

B255
Parking aid sensor,
outer right (15K859)



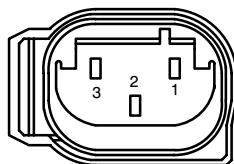
F03110

Pin	Circuit	Circuit Function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4009

14N139

B254
Parking aid sensor,
outer left (15K859)



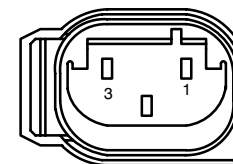
F03110

Pin	Circuit	Circuit Function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4012

14N139

B253
Parking aid sensor,
inner right (15K859)

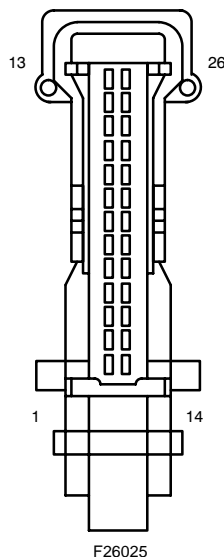


F03110

Pin	Circuit	Circuit Function
1	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
2	1443 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
3	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return

C4014**14A504**

A265
Parking Aid Module
(PAM) (15K866)



F26025

Pin	Circuit	Circuit Function
1	295 (LB/PK)	electronic cluster, Accessory, feed
2	—	not used
3	57 (BK)	Ground
4	—	not used
5	70 (LB/WH)	ISO Bus
6	—	not used
7	1435 (DG/VT)	On/Off signal
8	—	not used
9	140 (BK/PK)	Voltage supplied in reverse
10	1442 (DG/WH)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer right (15K859), input
11	1441 (WH/LG)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner right (15K859), input
12	—	not used
13	—	not used
14	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker —

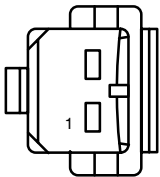
Pin	Circuit	Circuit Function
15	1439 (BN/PK)	Parking Aid Module (PAM) (15K866), Sensor, Power
16	1440 (DG/YE)	Parking Aid Module (PAM) (15K866), Sensor, return
17	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
18	—	not used
19	1436 (VT/OG)	On/Off signal, Light emitting diode (LED), control
20	—	not used
21	—	not used
22	—	not used
23	1443 (WH/LB)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, inner left (15K859), input
24	1444 (DB/YE)	Parking Aid Module (PAM) (15K866), to, Parking aid sensor, outer left (15K859), input
25	—	not used
26	—	not used

150-121 Connector Views

C4015

14A504

Y234
Parking aid speaker



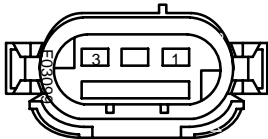
F02233

Pin	Circuit	Circuit Function
1	1438 (DG)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker +
2	1437 (BK/PK)	Parking Aid Module (PAM) (15K866), to, Parking aid speaker –

C4032

13A409

E243
Park/stop/turn lamp,
right rear



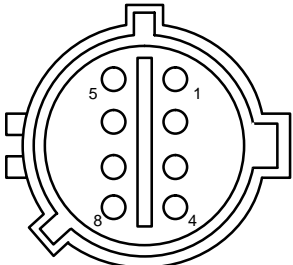
F03099

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

C4033

14405

A31
Fuel tank unit
(9H307)



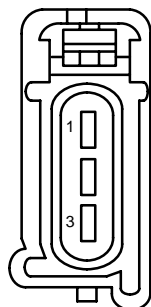
F08052

Pin	Circuit	Circuit Function
1	–	not used
2	359 (GY/RD)	signal, return
3	791 (RD/PK)	Fuel tank pressure transducer sensor (9C968)
4	351 (BN/WH)	Reference, voltage
5	29 (YE/WH)	Fuel pump/fuel gauge sender
6	57 (BK)	Ground
7	787 (PK/BK)	Fuel pump, Power
8	396 (BK/OG)	Fuel sender, logic ground

C4034

13A409

E243
Park/stop/turn lamp,
right rear



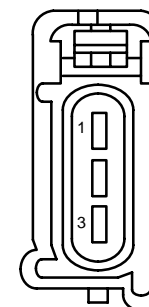
F03217

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

C4036

13A409

E242
Park/stop/turn lamp,
left rear



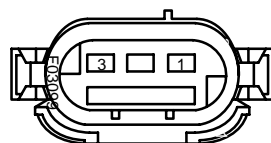
F03217

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

C4035

13A409

E242
Park/stop/turn lamp,
left rear



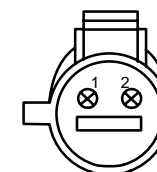
F03099

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

C4044

12614

Y117
Shock absorber so-
lenoid valve, left
rear (5A891)



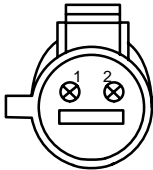
F02373

Pin	Circuit	Circuit Function
1	415 (LG/OG)	switched power
2	57 (BK)	Ground

C4045

12614

Y118
Shock absorber solenoid valve, right rear (5A891)



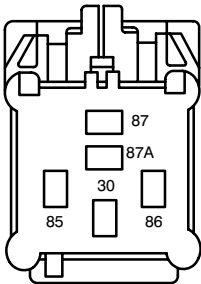
F02373

Pin	Circuit	Circuit Function
1	414 (OG/RD)	switched power
2	57 (BK)	Ground

C4076

14A504

K55
High speed blower motor relay



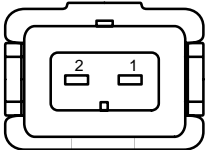
F05062

Pin	Circuit	Circuit Function
30	536 (BK/LG)	Blower motor relay, Blower motor
85	295 (LB/PK)	electronic cluster, Accessory, feed
86	515 (OG/RD)	Resistor, Blower motor, High
87	57 (BK)	Ground
87a	1132 (YE)	Trailer tow relay, feed

C4094

13A409

E135
Side lamp 1, LH rear



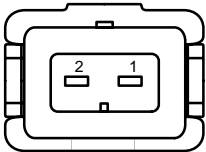
F02089

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

C4095

13A409

E136
Side lamp 2, LH rear



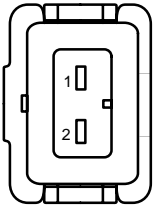
F02089

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

C4096

13A409

E131
Side lamp 1, RH rear



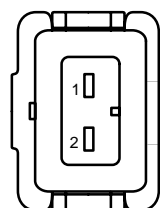
F02089

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

C4097

13A409

E132
Side lamp 2, RH
rear



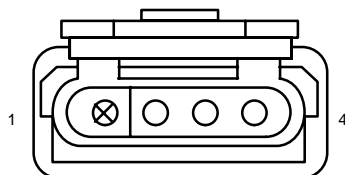
F02089

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

C4098

13A576

E258
Trailer tow connec-
tor, 4-pin



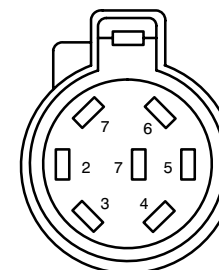
F04211

Pin	Circuit	Circuit Function
1	206 (WH)	Trailer tow connector (15A416), Ground
2	962 (BN/WH)	Trailer tow relay, switched output
3	52 (YE)	Turn lamps, feed, left rear
4	64 (DG)	Turn lamps, feed, right rear

C4099

13A576

E259
Trailer tow connec-
tor, 7-pin



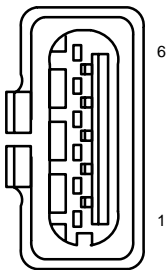
F07074

Pin	Circuit	Circuit Function
1	52 (YE)	Turn lamps, feed, left rear
2	206 (WH)	Trailer tow connector (15A416), Ground
3	43 (DB)	Electric trailer brakes
4	64 (DG)	Turn lamps, feed, right rear
5	49 (OG)	Voltage in Run (overload protected)
6	962 (BN/WH)	Trailer tow relay, switched output
7	963 (BK/LG)	Trailer tow connector (15A416), Reversing lamps

C4132

14401

M286
Fuel tank selector
valve



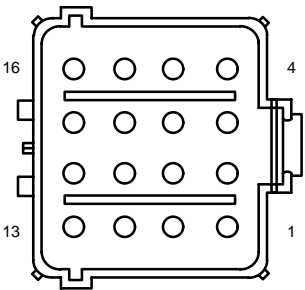
F06117

Pin	Circuit	Circuit function
1	–	not used
2	786 (RD)	Fuel tank selector switch
3	789 (BN/WH)	Fuel tank selector switch
4	673 (DB/YE)	Fuel sender, secondary
5	29 (YE/WH)	Reference voltage, from, Instrument cluster
6	675 (YE/LB)	Fuel sender, primary

C4145

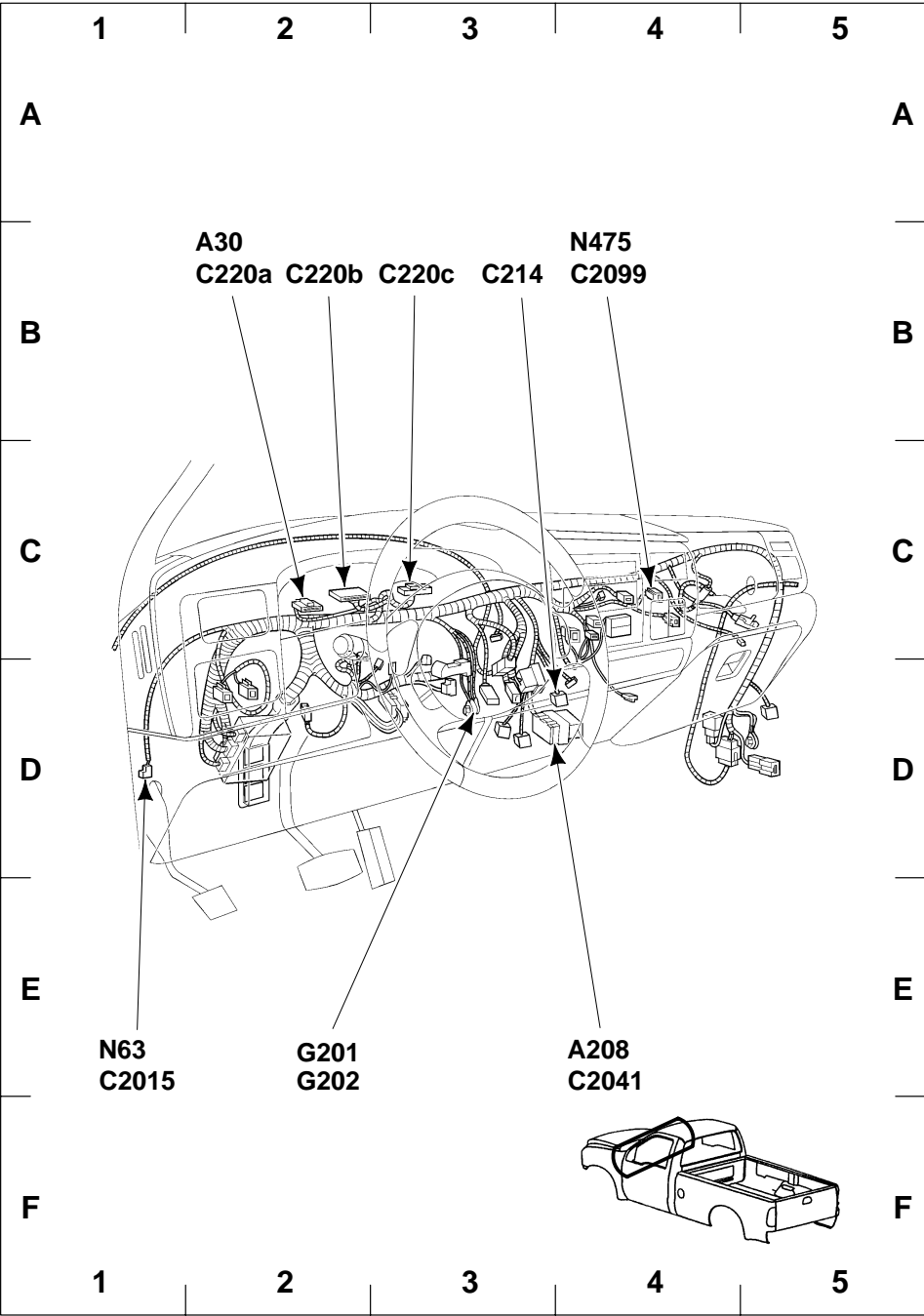
12614

A304
Air suspension mod-
ule (3C142)



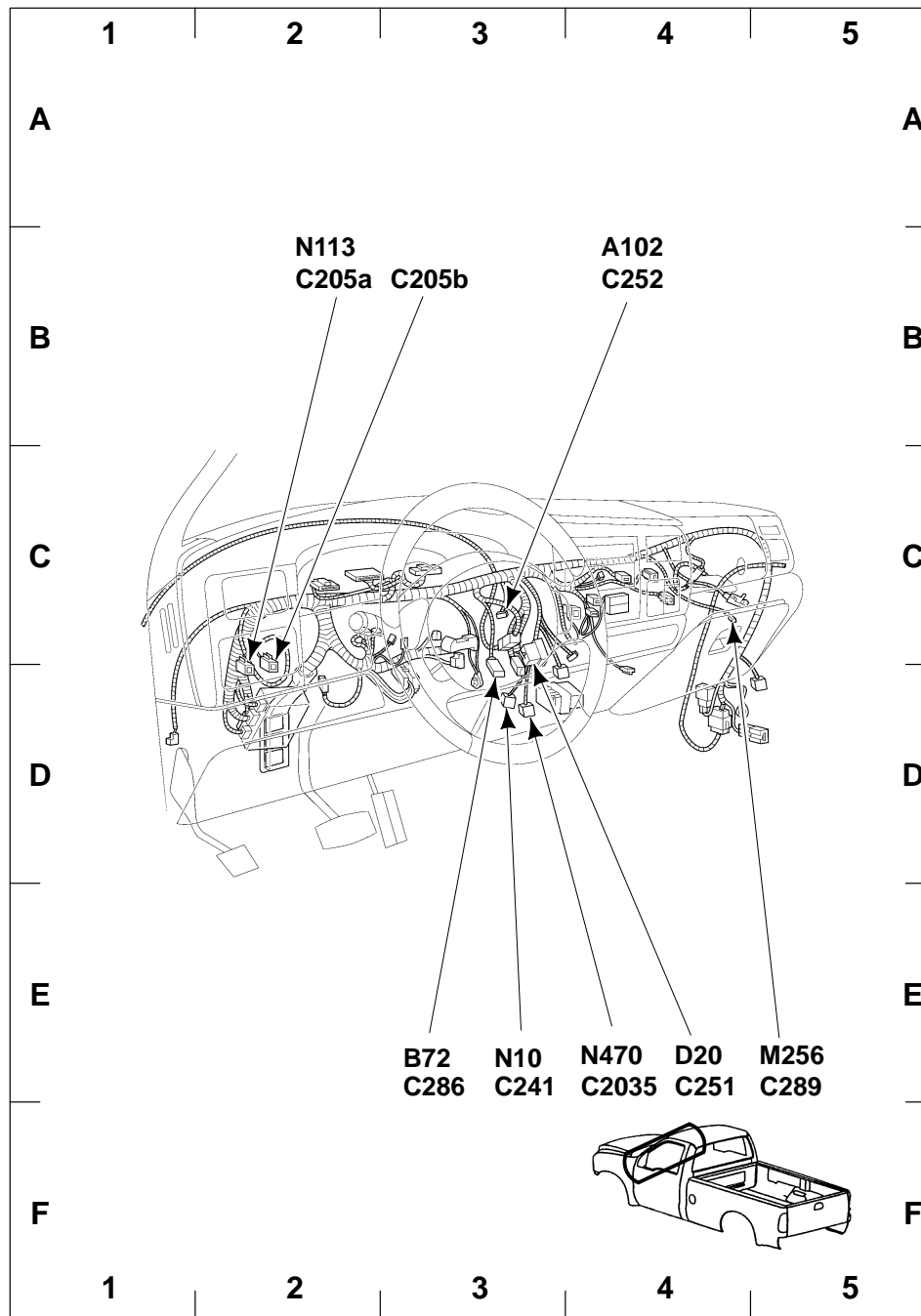
F16020

Pin	Circuit	Circuit function
1	57 (BK)	Ground
2	418 (DG/YE)	Battery voltage, hot in Run only
3	417 (VT/OG)	Air suspension switch, rear, On/Off signal
4	424 (TN)	Air tank valve, control
5	–	not used
6	423 (VT/LG)	Air tank moisture removal valve, control
7	416 (LB/BK)	Air suspension compressor relay, control
8	414 (OG/RD)	Shock absorber solenoid valve, right rear (5A891), control
9	427 (PK/BK)	Air tank pressure sensor, monitor
10	419 (DG/LG)	Air Suspension, indicator
11	415 (LG/OG)	Shock absorber solenoid valve, left rear (5A891), Auto-lamp relay
12	–	not used
13	428 (OG/BK)	Battery voltage, to, Air tank pressure sensor
14	429 (VT/LG)	Sensor signal return (reference/ground)
15	693 (OG)	UBP Diagnostics
16	635 (YE)	Air Suspension, switch, indicator

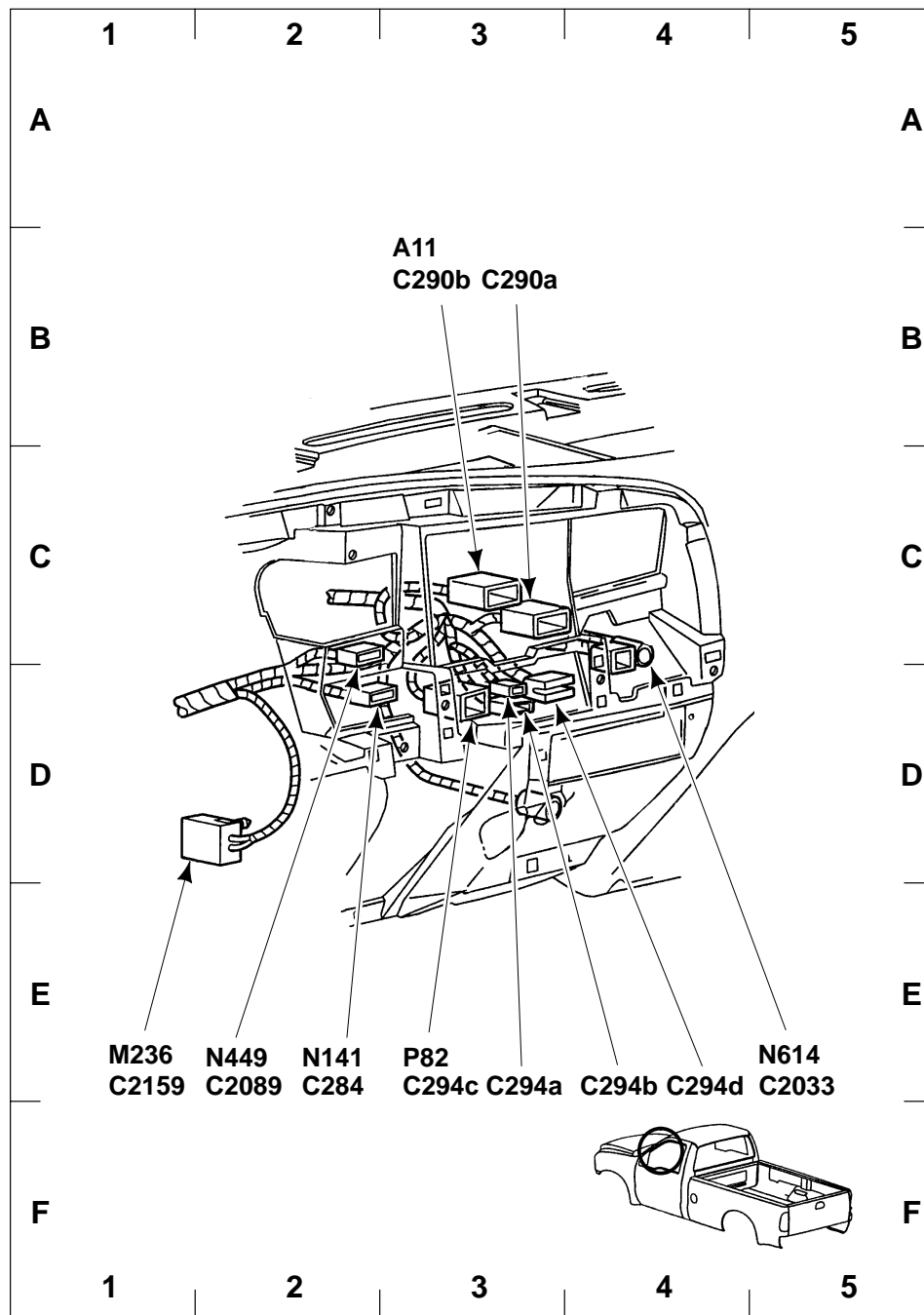


dash panel

A30	. Instrument cluster	.....	B 2
A208	Restraints control module (14B321)	.....	E 4
C214	.....	.....	B 3
C220a	.....	.....	B 2
C220b	.....	.....	B 2
C220c	.....	.....	B 3
C2015	.....	.....	E 1
C2041	.....	.....	E 4
C2099	.....	.....	B 4
G201	.....	.....	E 2
G202	.....	.....	E 2
N63	. Parking brake switch (15A851)	.....	E 1
N475	Passenger Air bag Deactivation (PAD) switch	.....	B 4

**dash panel**

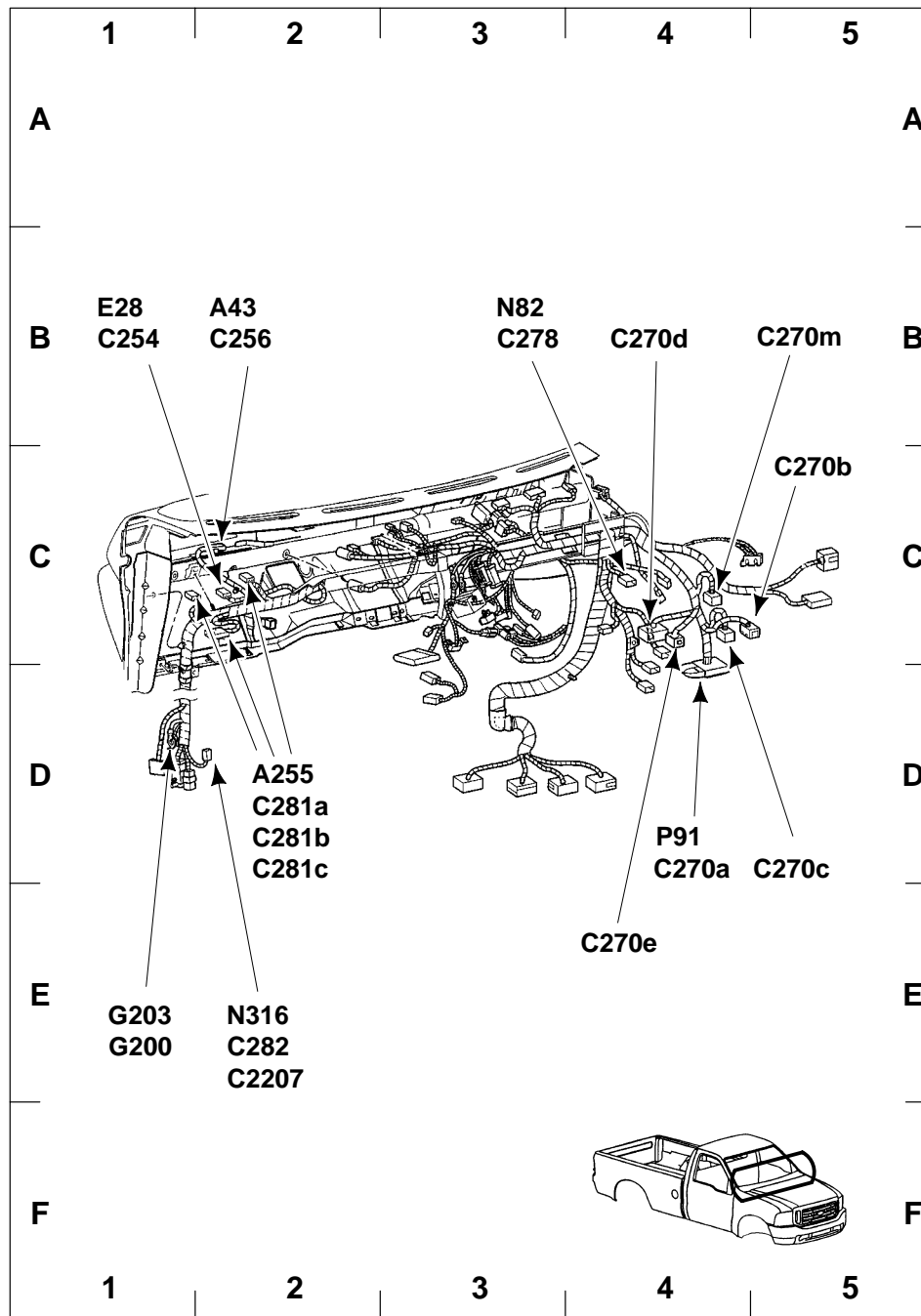
A102	Passive anti-theft transceiver module (15607)	B 4
B72	Sunload sensor (19E663)	E 3
C205a		B 2
C205b		B 3
C241		E 3
C251		E 4
C252		B 4
C286		E 3
C289		E 5
C2035		E 4
D20	Data Link Connector (DLC) (14489)	E 4
M256	Temperature blend door actuator (19E616)	E 5
N10	Rear window defrost switch (18578)	E 3
N113	Main light switch (11654)	B 2
N470	Parking aid disable switch (15A860)	E 4



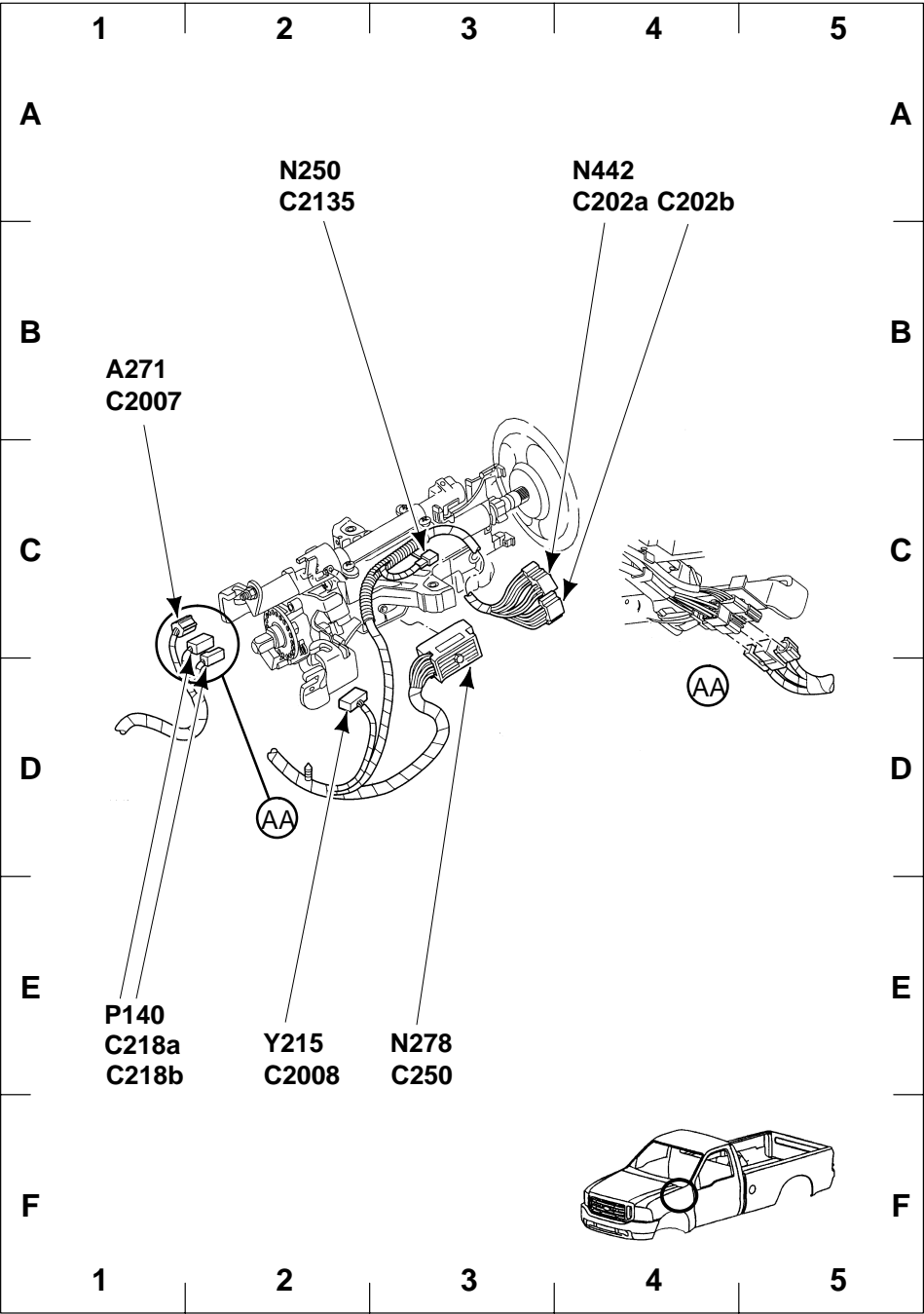
dash panel, center

A11 . Radio (18806)	B 3
C284	E 2
C290a	B 3
C290b	B 3
C294a	E 3
C294b	E 4
C294c	E 3
C294d	E 4
C2033	E 5
C2089	E 2
C2159	E 1
M236 Adjustable pedal motor (2C429)	E 1
N141 Four-wheel drive switch	E 2
N449 Adjustable pedal switch	E 2
N614 Power point, instrument panel (19N236)	E 5
P82 .. Function selector switch assembly, front	E 3

behind dash panel, RH side

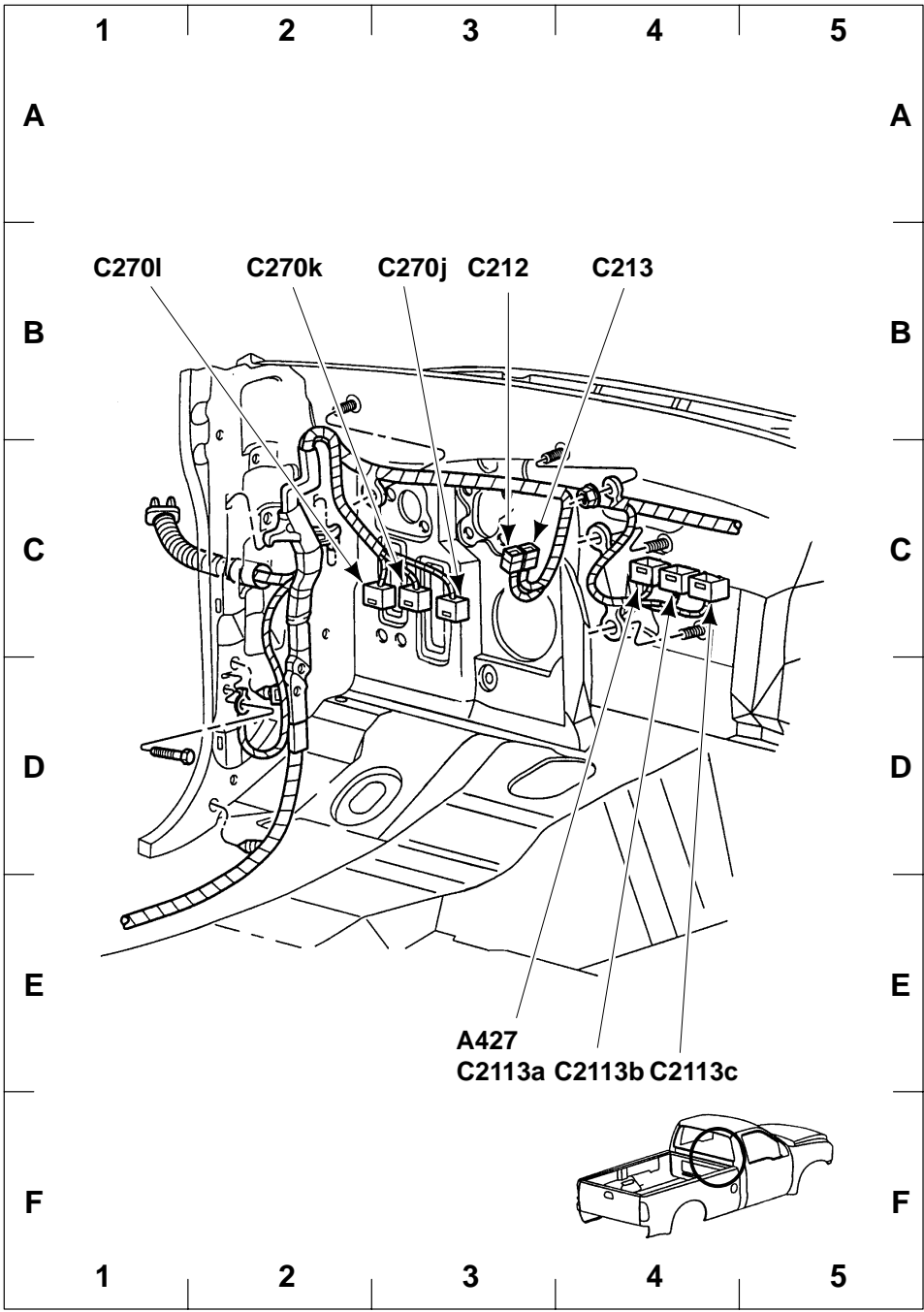


A43 . Passenger air bag module (15044A74)	B 2
A255 . Four-wheel drive control module	D 2
C254	B 1
C256	B 2
C270a	D 4
C270b	C 5
C270c	D 5
C270d	B 4
C270e	E 4
C270m	B 5
C278	B 3
C281a	D 2
C281b	D 2
C281c	D 2
C282	E 2
C2207	E 2
E28 . . Glove box lamp (14413)	B 1
G200	E 1
G203	E 1
N82 . Brake pedal position switch (13480)	B 3
N316 . Inertia Fuel Shutoff (IFS) switch (9D362)	E 2
P91 . Central Junction Box (CJB) (14A068)	D 4



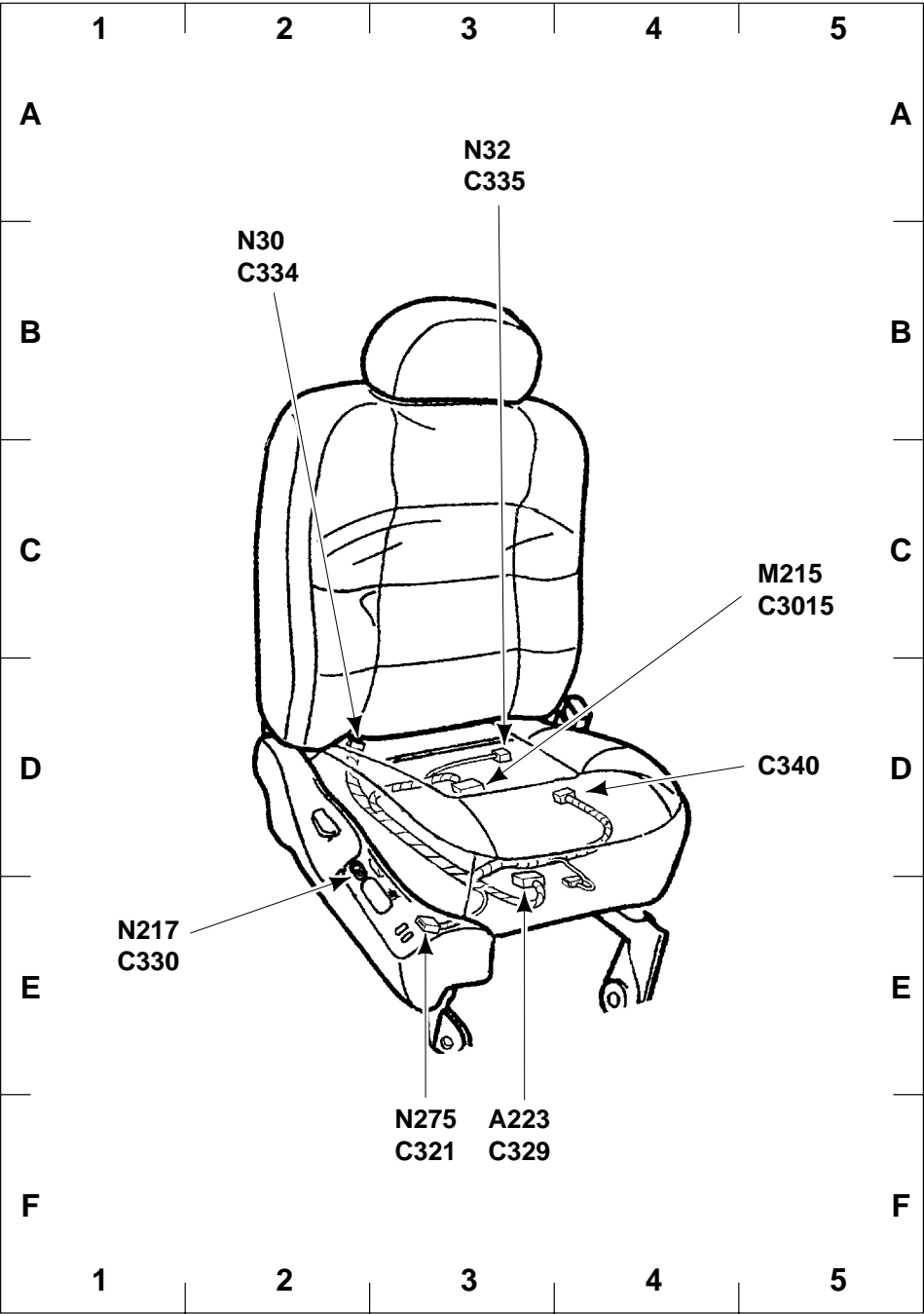
on steering column

A271	Passive anti-theft transceiver	B 1
C202a		A 4
C202b		A 4
C218a		E 1
C218b		E 1
C250		E 3
C2007		B 1
C2008		E 2
C2135		A 2
N250	Overdrive cancel switch (7G550)	A 2
N278	Ignition switch (11572)	E 3
N442	Multifunction switch (13K359)	A 4
P140	Air bag sliding contact (14A664)	E 1
Y215	Brake shift interlock (3Z719)	E 2



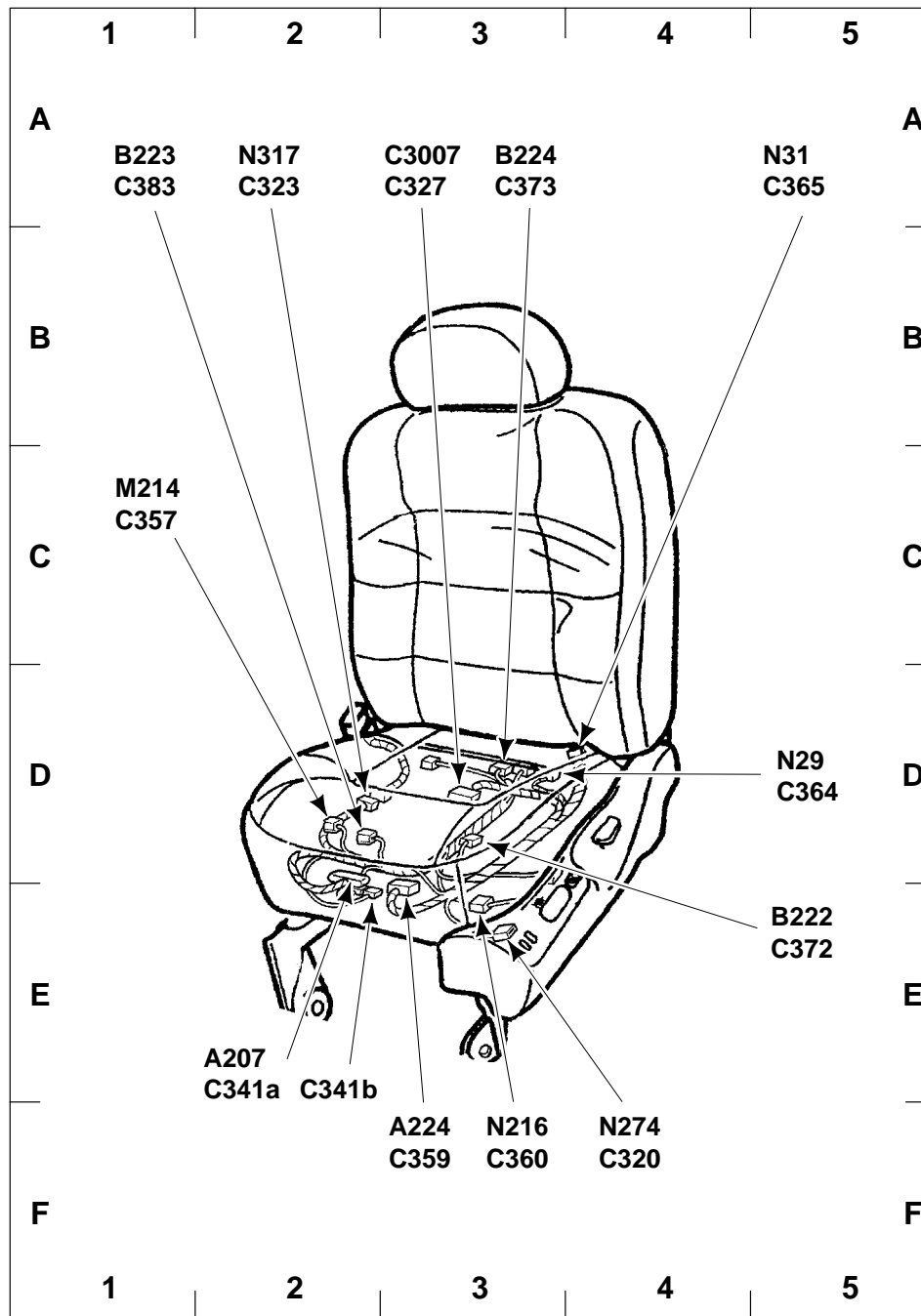
under dash panel, LH side

A427	Vehicle Security Module (VSM)	E 3
C212		B 3
C213		B 4
C270j		B 3
C270k		B 2
C270l		B 1
C2113a		E 3
C2113b		E 4
C2113c		E 4

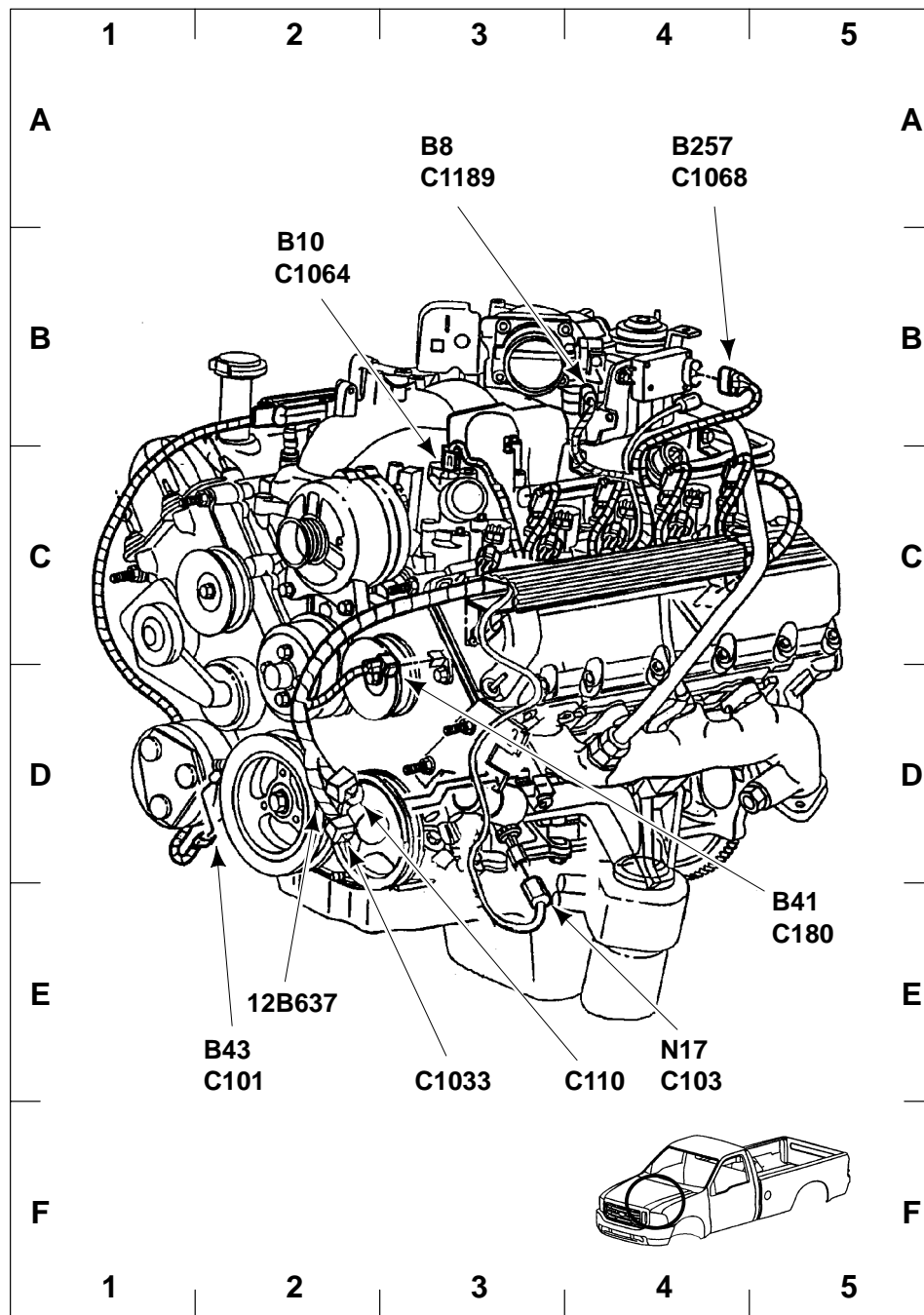


passenger seat

A223	Heated seat module, passenger side front	F 3
C321		F 3
C329		F 3
C330		E 1
C334		B 2
C335		A 3
C340		D 5
C3015		C 5
M215	Power seat motor assembly, right	C 5
N30	Seat cushion heater, right front	B 2
N32	Seat back heater, right front	A 3
N217	Seat adjust switch, passenger side front	E 1
N275	Seat heater switch, passenger side	F 3



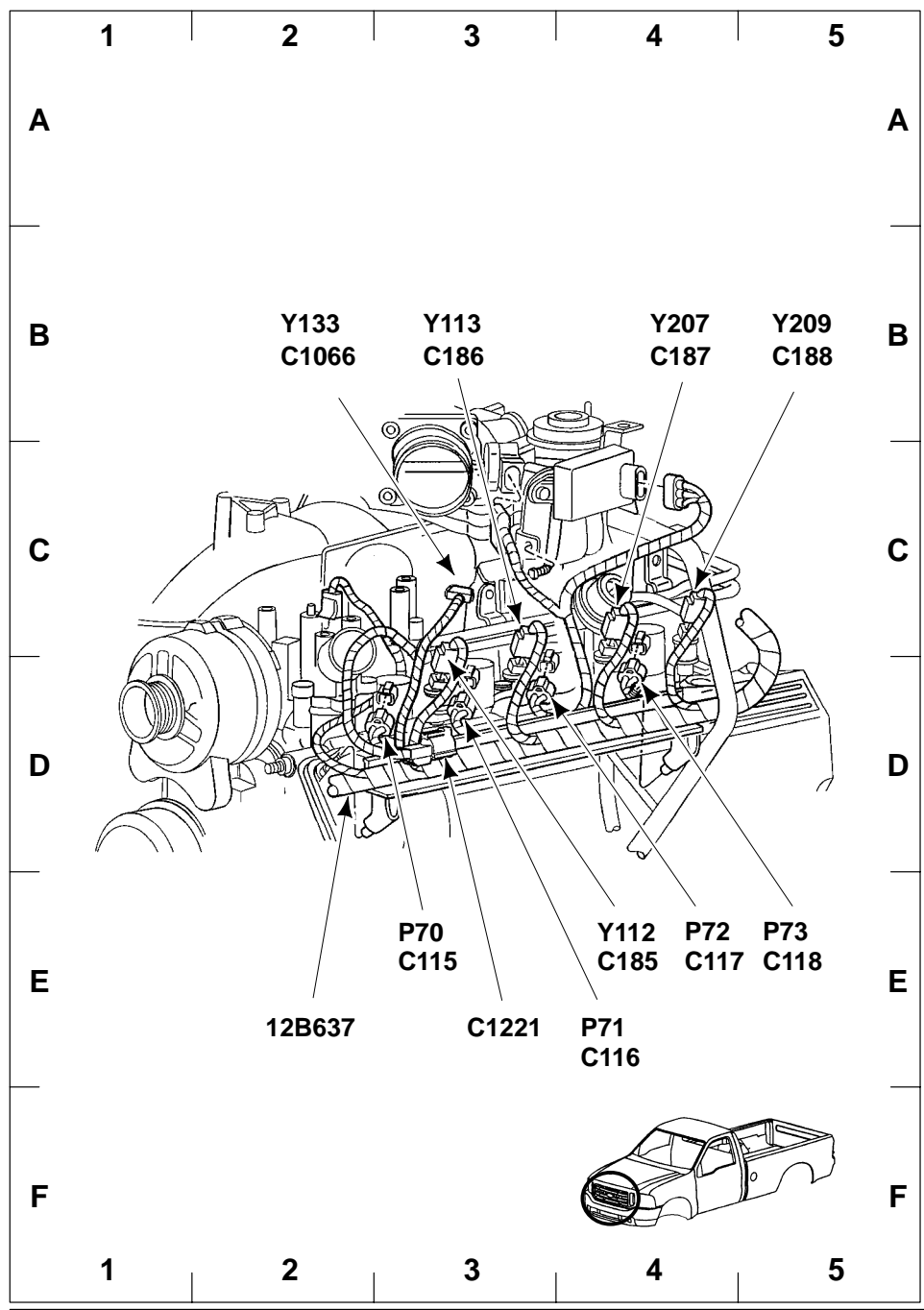
A207	Driver seat module (14C718)	E 2
A224	Heated seat module, driver side front	F 3
B222	Driver memory seat horizontal sensor	E 5
B223	Driver memory seat front height sensor	A 1
B224	Driver memory seat rear height sensor	A 3
C320		F 4
C323		A 2
C327		A 3
C341a		E 2
C341b		E 2
C357		C 1
C360		F 3
C365		A 5
C372		E 5
C373		A 3
C383		A 1
C359		F 3
C3007		A 3
M214	Power seat motor assembly, left	C 1
N31	Seat back heater, left front	A 5
N216	Seat adjust switch, driver side front (14A701)	F 3
N274	Seat heater switch, driver side	F 4
N317	Safety belt buckle switch (10B924)	A 2



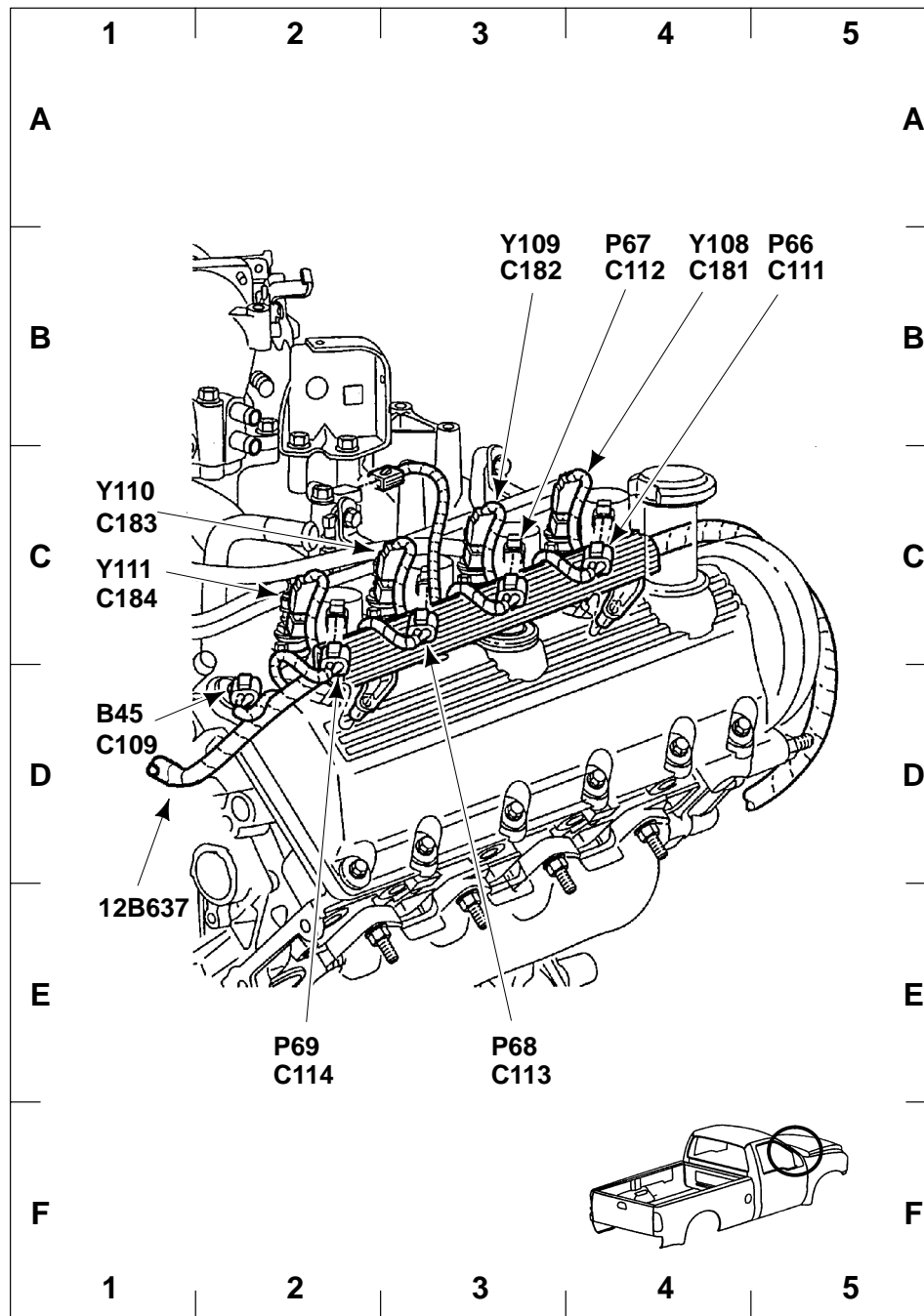
5.4L engine, front

12B637	.....	E 2
B8 ... Throttle Position Sensor (TPS) (9B989)	.....	A 3
B10 .. Engine Coolant Temperature (ECT) sensor (12A648)	....	B 2
B41 .. Camshaft position sensor (6B288)	.....	E 5
B43 .. Crankshaft position sensor (6C315)	.....	E 2
B257 . Differential pressure feedback EGR (DPFE) sensor (9J460)	.....	A 4
C101	.....	E 2
C103	.....	E 4
C110	.....	E 4
C180	.....	E 5
C1033	.....	E 3
C1064	.....	B 2
C1068	.....	A 4
C1189	.....	A 3
N17 . Oil pressure switch (9278)	.....	E 4

5.4L engine, LH side

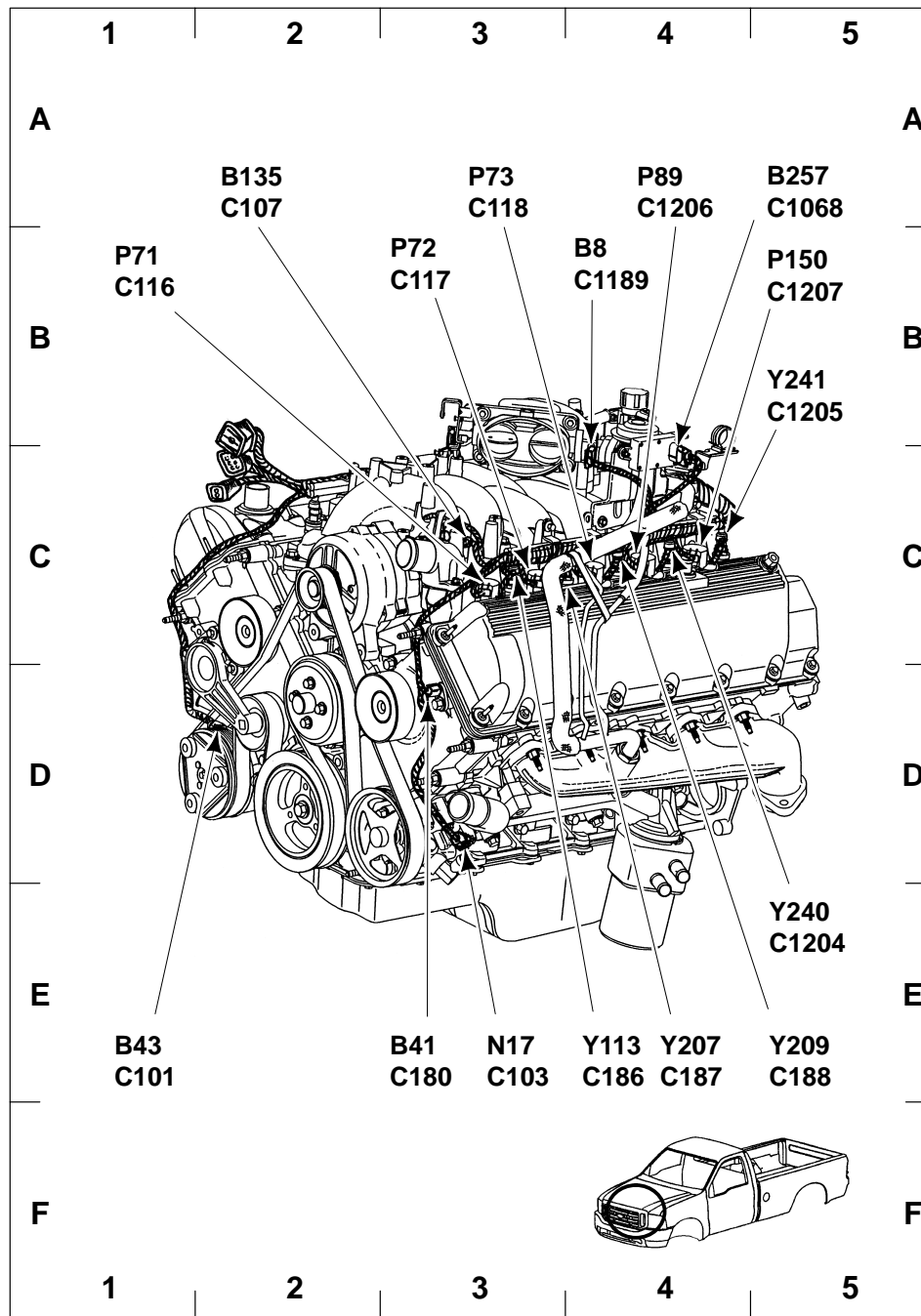


12B637	E 2
C115	E 3
C116	E 4
C117	E 4
C118	E 5
C185	E 4
C186	B 3
C187	B 4
C188	B 5
C1066	B 2
C1221	E 3
P70 .. Coil On Plug (COP) 5 (12029)	E 3
P71 .. Coil On Plug (COP) 6 (12029)	E 4
P72 .. Coil On Plug (COP) 7 (12029)	E 4
P73 .. Coil On Plug (COP) 8 (12029)	E 5
Y112 Injector 5 (9F593)	E 4
Y113 Injector 6 (9F593)	B 3
Y133 Idle air control valve (IAC) (9F715)	B 2
Y207 Injector 7 (9F593)	B 4
Y209 Injector 8 (9F593)	B 5



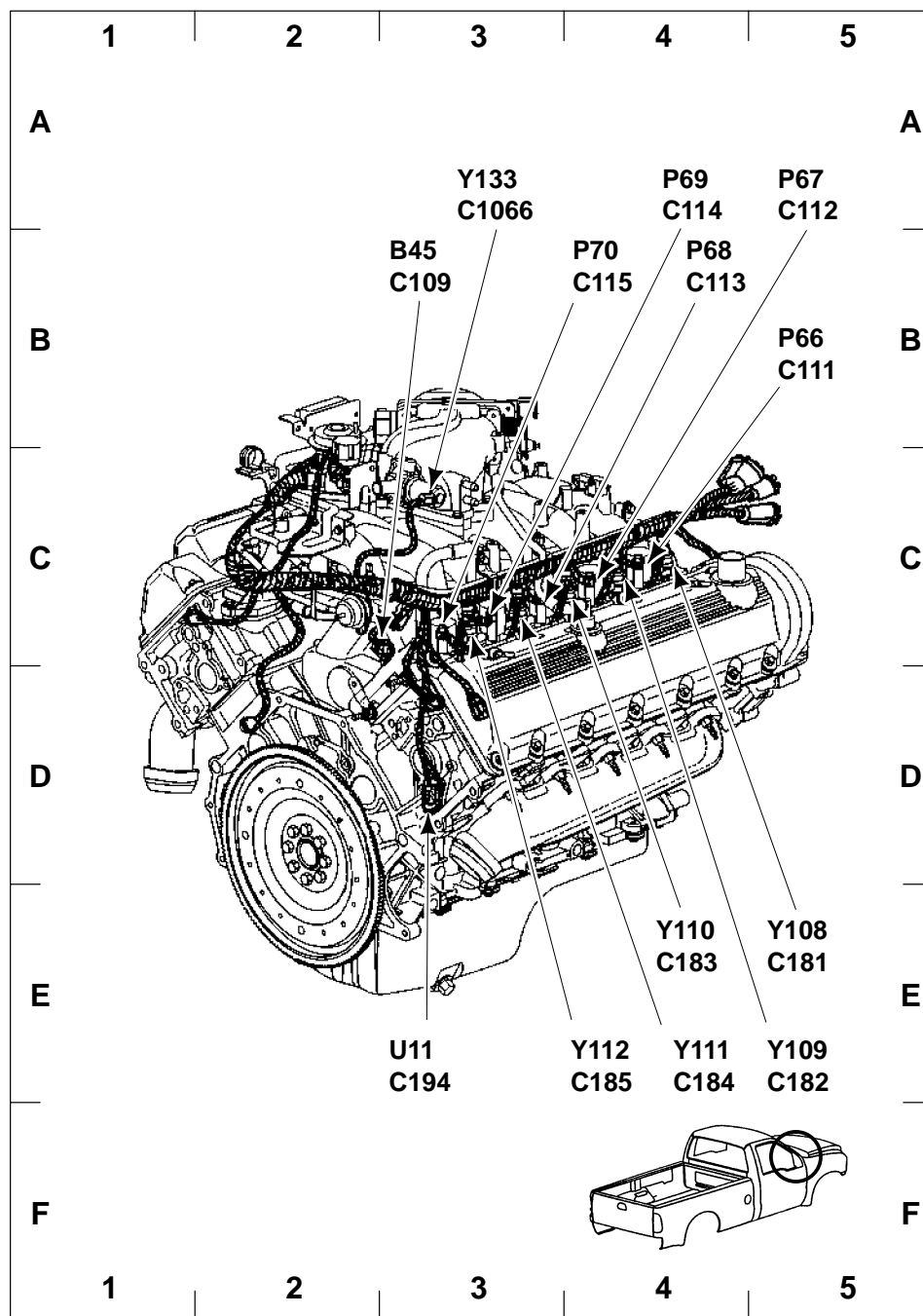
5.4L engine, RH side

12B637	E 1
B45 .. Knock sensor (12A699)	D 1
C109	D 1
C111	B 5
C112	B 4
C113	E 3
C114	E 2
C181	B 4
C182	B 3
C183	C 1
C184	C 1
P66 .. Coil On Plug (COP) 1 (12029)	B 5
P67 .. Coil On Plug (COP) 2 (12029)	B 4
P68 .. Coil On Plug (COP) 3 (12029)	E 3
P69 .. Coil On Plug (COP) 4 (12029)	E 2
Y108 .. Injector 1 (9F593)	B 4
Y109 .. Injector 2 (9F593)	B 3
Y110 .. Injector 3 (9F593)	C 1
Y111 .. Injector 4 (9F593)	C 1



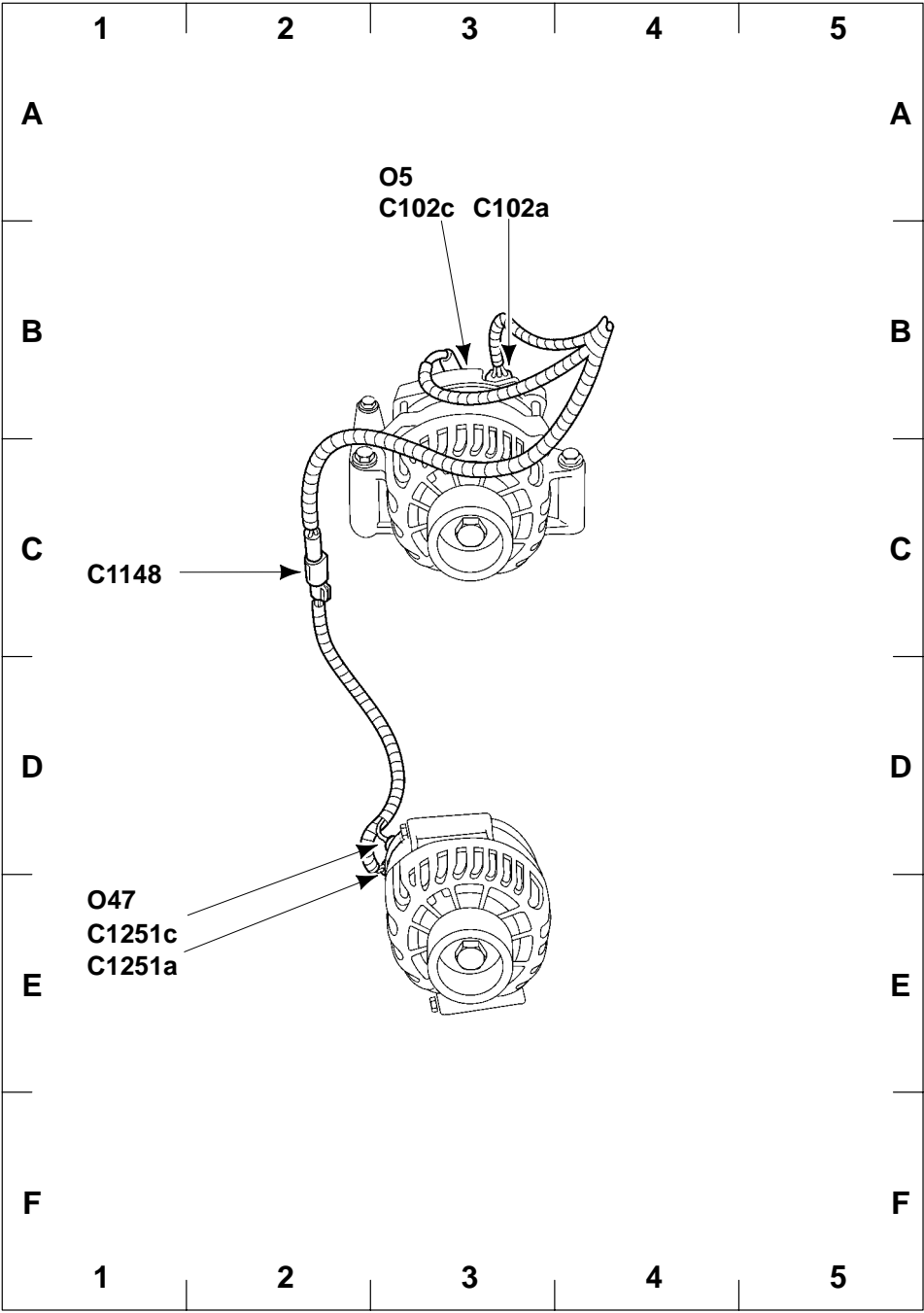
6.8L engine front

B8 . . . Throttle Position Sensor (TPS) (9B989)	B 4
B41 . . Camshaft position sensor (6B288)	E 3
B43 . . Crankshaft position sensor (6C315)	E 1
B135 . Cylinder-head temperature sensor (6G004)	A 2
B257 . Differential pressure feedback EGR (DPFE) sensor (9J460)	A 5
C101	E 1
C103	E 3
C107	A 2
C116	B 1
C117	B 3
C118	A 3
C180	E 3
C186	E 4
C187	E 4
C188	E 5
C1068	A 5
C1189	B 4
C1204	E 5
C1205	B 5
C1206	A 4
C1207	B 5
N17 . . Oil pressure switch (9278)	E 3
P71 . . Coil On Plug (COP) 6 (12029)	B 1
P72 . . Coil On Plug (COP) 7 (12029)	B 3
P73 . . Coil On Plug (COP) 8 (12029)	A 3
P89 . . Coil On Plug (COP) 9	A 4
P150 . Coil On Plug (COP) 10	B 5
Y113 . Injector 6 (9F593)	E 4
Y207 . Injector 7 (9F593)	E 4
Y209 . Injector 8 (9F593)	E 5
Y240 . Injector 9 (9F593)	E 5
Y241 . Injector 10 (9F593)	B 5



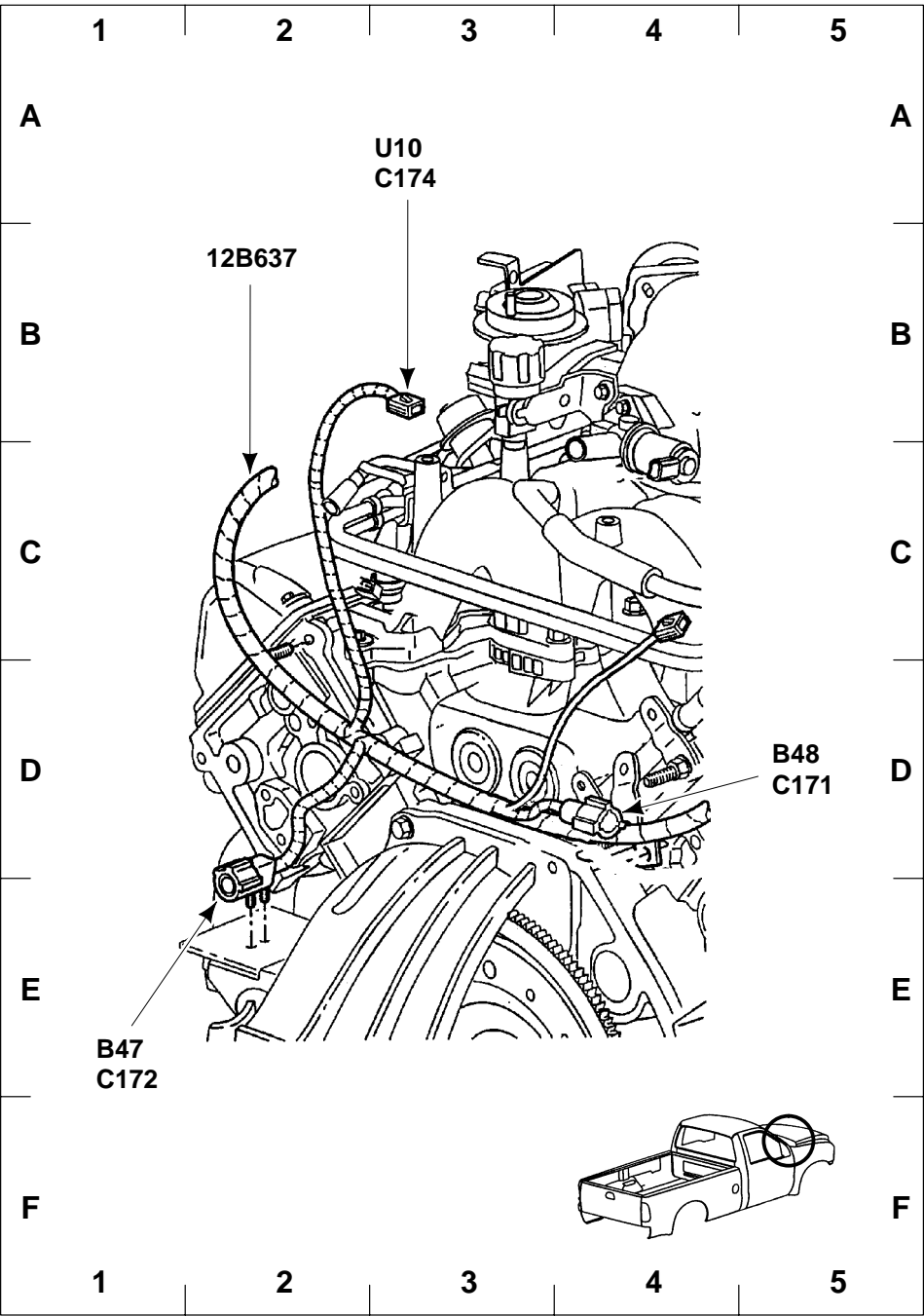
6.8L, engine, rear

B45 . . . Knock sensor (12A699)	B 3
C109	B 3
C111	B 5
C112	A 5
C113	B 4
C114	A 4
C115	B 4
C181	E 5
C182	E 5
C183	E 4
C184	E 4
C185	E 4
C194	E 3
C1066	A 3
P66 . . . Coil On Plug (COP) 1 (12029)	B 5
P67 . . . Coil On Plug (COP) 2 (12029)	A 5
P68 . . . Coil On Plug (COP) 3 (12029)	B 4
P69 . . . Coil On Plug (COP) 4 (12029)	A 4
P70 . . . Coil On Plug (COP) 5 (12029)	B 4
U11 . . . Ignition transformer capacitor 2 (18801)	E 3
Y108 . . . Injector 1 (9F593)	E 5
Y109 . . . Injector 2 (9F593)	E 5
Y110 . . . Injector 3 (9F593)	E 4
Y111 . . . Injector 4 (9F593)	E 4
Y112 . . . Injector 5 (9F593)	E 4
Y133 . . . Idle air control valve (IAC) (9F715)	A 3



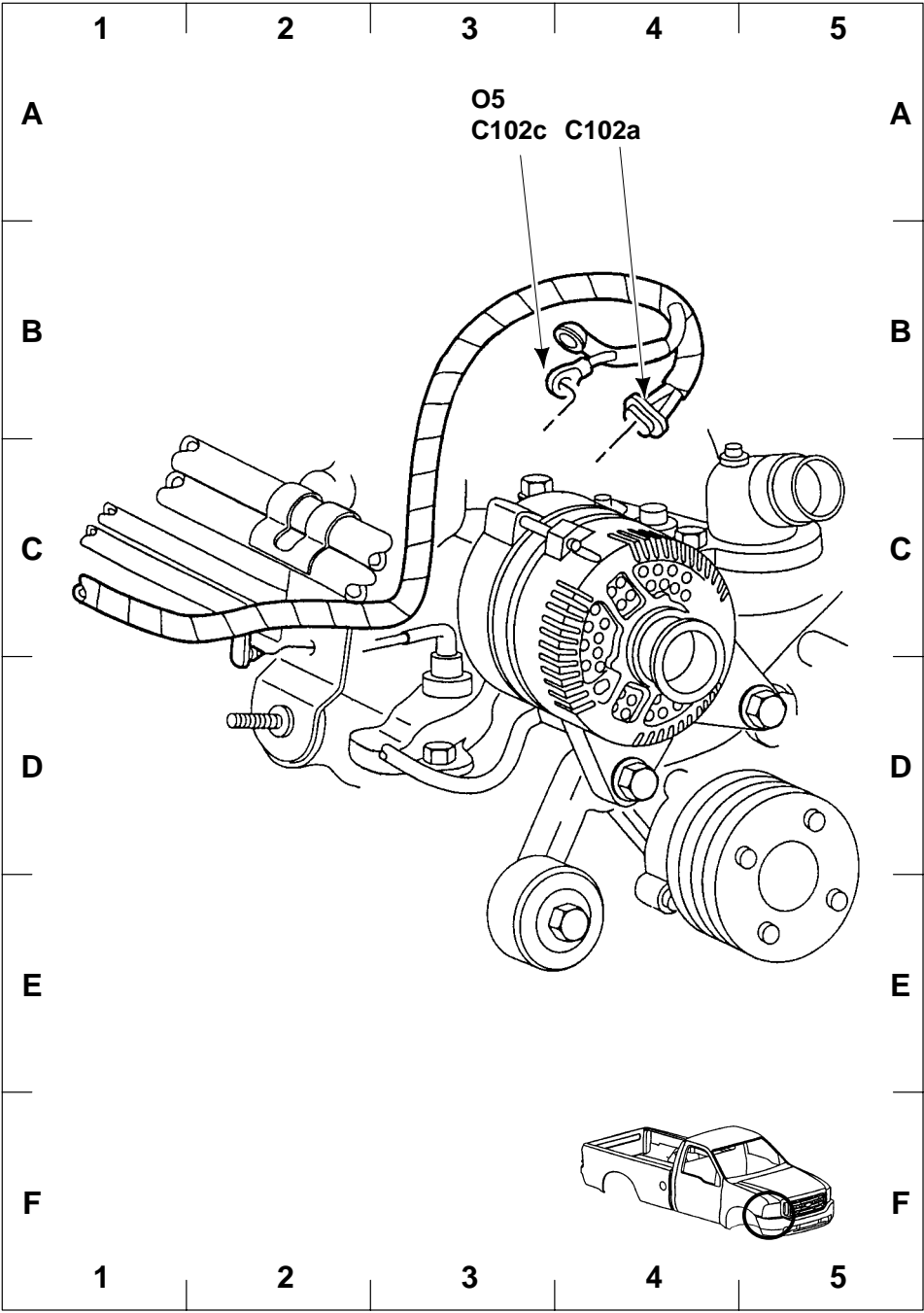
engine compartment

C102c	A 3
C102a	A 3
C1148	C 1
C1251a	E 1
C1251c	E 1
O5 .. Generator	A 3
O47 .. Generator, secondary	E 1



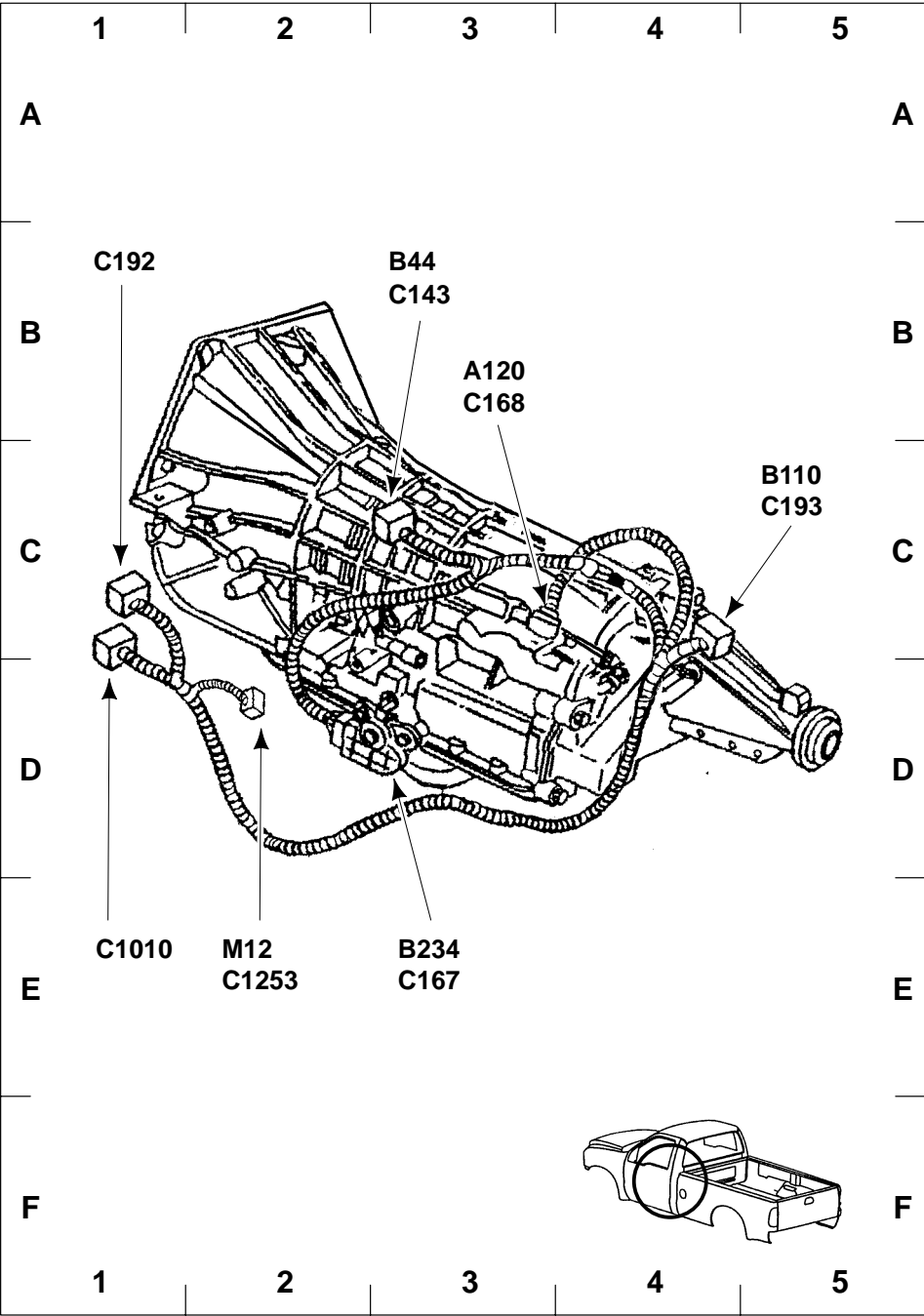
5.4L and 6.8L engine, rear

12B637	.....	B 2
B47 .. Heated Oxygen Sensor (HO2S) #21 (9G444)	.....	E 1
B48 .. Heated Oxygen Sensor (HO2S) #11 (9G444)	.....	D 5
C171	.....	D 5
C172	.....	E 1
C174	.....	A 3
U10 . Ignition transformer capacitor 1 (18801)	.....	A 3



engine compartment

C102a	A 4
C102c	A 3
O5 .. Generator	A 3

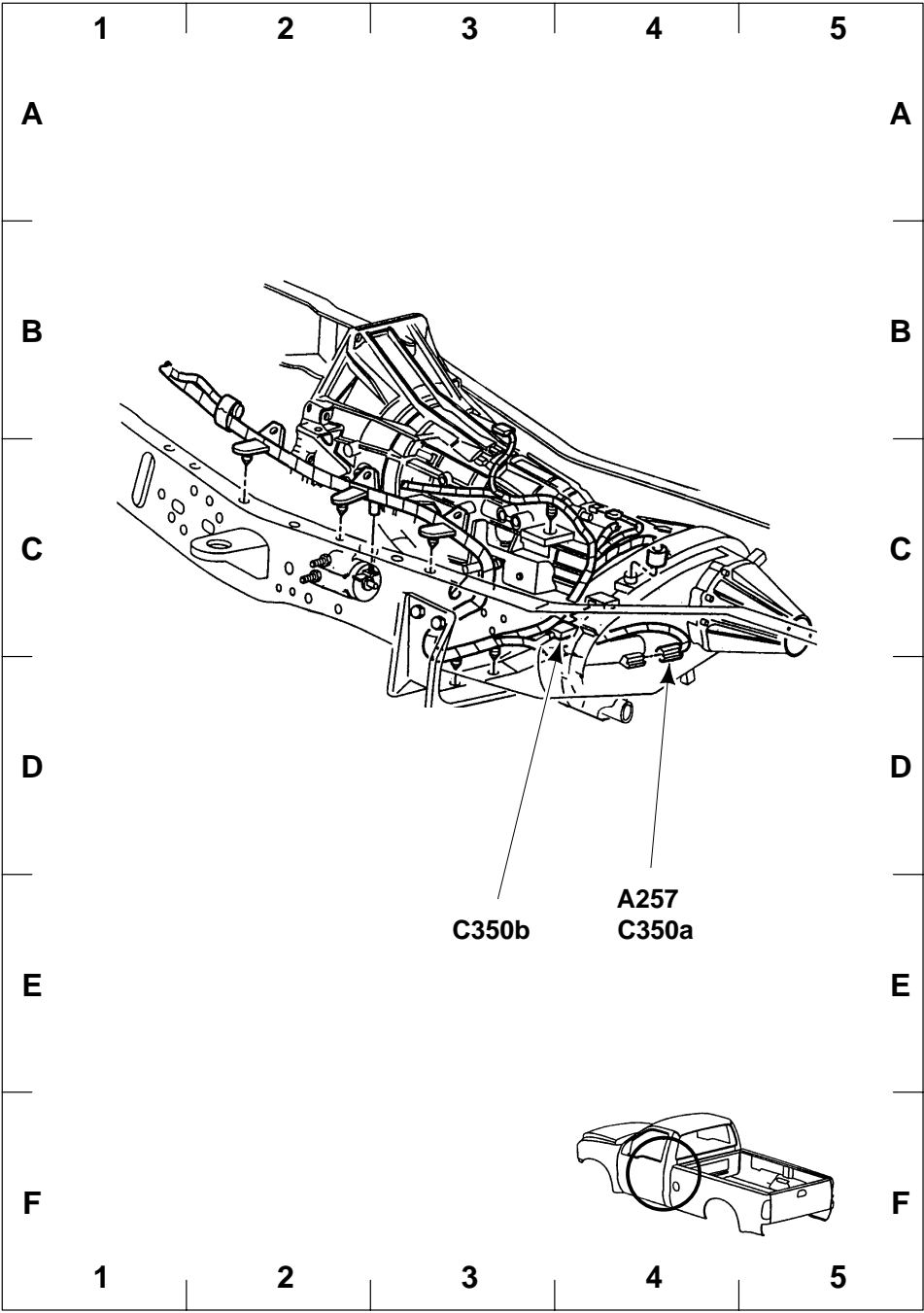


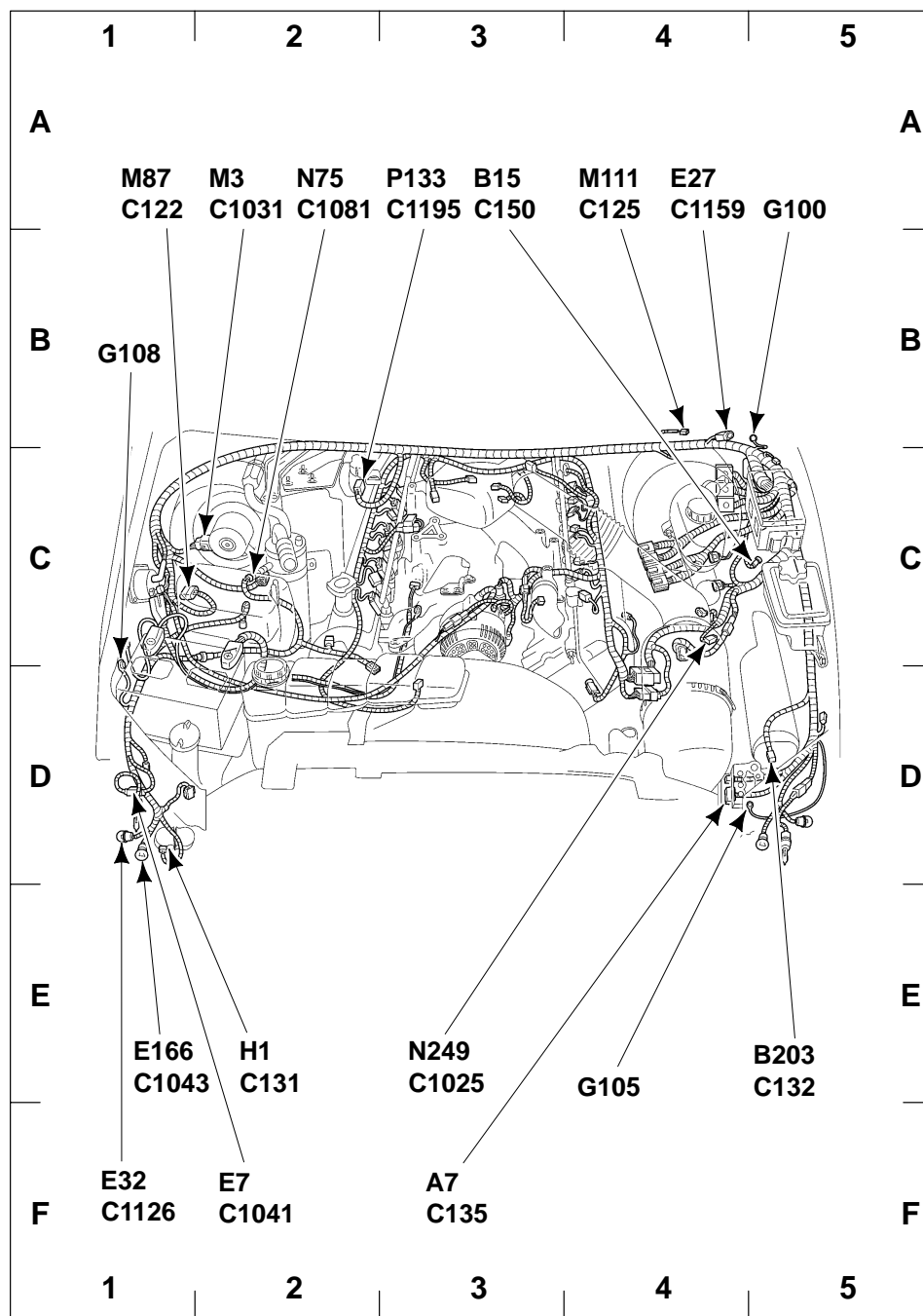
4X2 automatic transmission

A120	Automatic transmission module (7G422)	B 3
B44	Turbine shaft speed sensor (7M101)	B 3
B110	Output Shaft Speed (OSS) sensor (7M101)	C 5
B234	Digital Transmission Range (DTR) sensor (7F293)	E 3
C143		B 3
C167		E 3
C168		B 3
C192		B 1
C193		C 5
C1010		E 1
C1253		E 2
M12	Fuel pump	E 2

4X4 automatic transmission

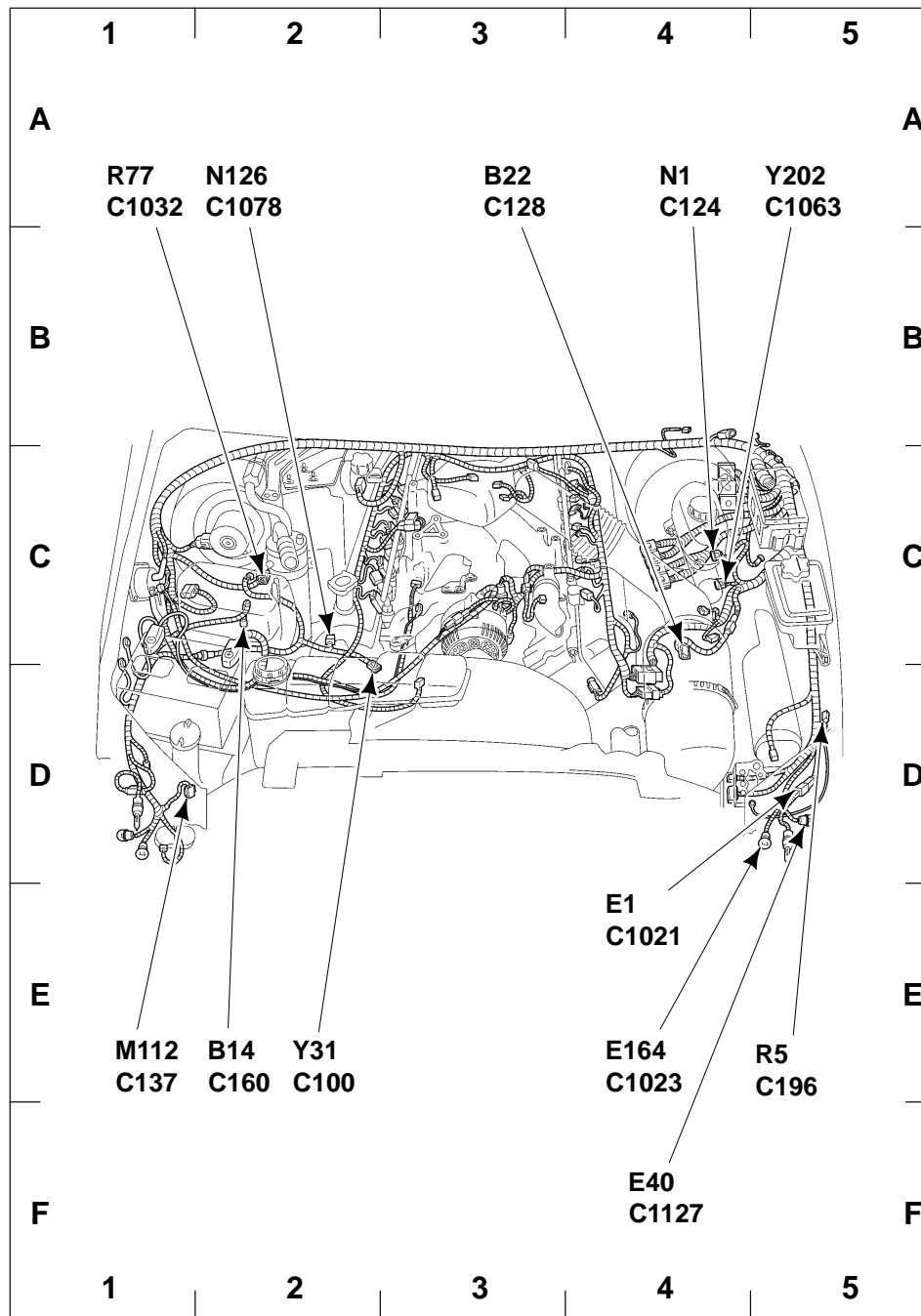
A257	Transfer case assembly	E 4
C350a		E 4
C350b		E 3





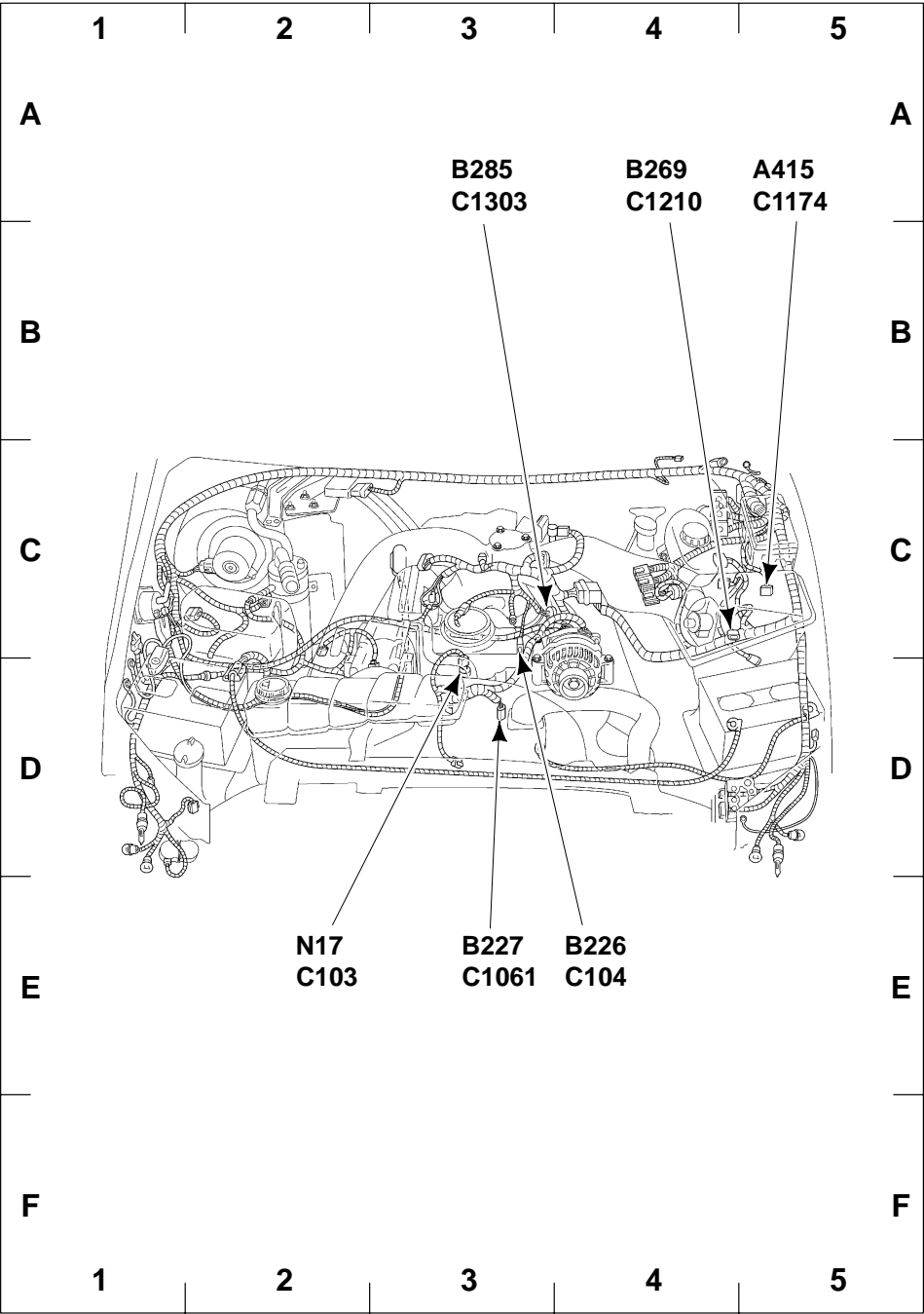
engine compartment

A7	.. ABS control module (2C219)	.. F 3
B15	.. Wheel speed sensor, left front (2C205)	.. A 3
B203	.. Ambient air temperature sensor (19E702)	.. E 5
C122	.. ..	.. A 1
C125	.. ..	.. A 4
C131	.. ..	.. E 2
C132	.. ..	.. E 5
C135	.. ..	.. F 3
C150	.. ..	.. A 3
C1025	.. ..	.. E 3
C1031	.. ..	.. A 2
C1041	.. ..	.. F 2
C1043	.. ..	.. E 1
C1081	.. ..	.. A 2
C1126	.. ..	.. F 1
C1159	.. ..	.. A 4
C1195	.. ..	.. A 3
E7	.. Headlamp, right (13008)	.. F 2
E27	.. Engine compartment lamp	.. A 4
E32	.. Side lamp, right front (13411)	.. F 1
E166	.. Park/turn lamp, right front (13411)	.. E 1
G100	.. ..	.. A 5
G105	.. ..	.. E 4
G108	.. ..	.. B 1
H1	.. Horn (13832)	.. E 2
M3	.. Heater blower motor (19805)	.. A 2
M87	.. Speed control servo (9C735)	.. A 1
M111	.. Windshield wiper motor (17508)	.. A 4
N75	.. A/C compressor cycling switch (19E561)	.. A 2
N249	.. Brake pressure switch (2B264)	.. E 3
P133	.. Vapor management valve	.. A 3



engine compartment

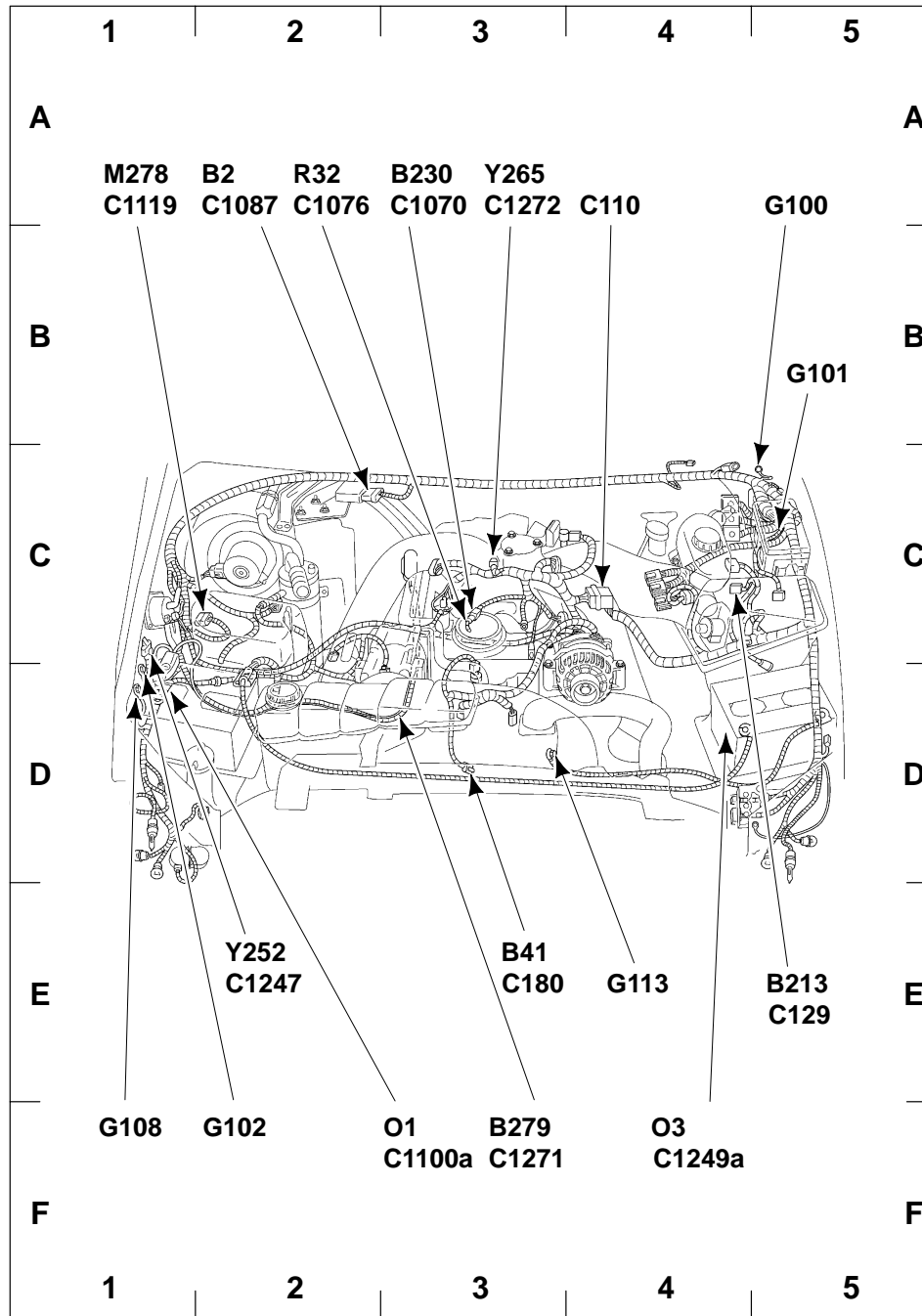
B14 ..	Wheel speed sensor, right front (2C204)	E 2
B22 ..	Mass Air Flow (MAF) sensor (12B579)	A 3
C100 ..		E 2
C124 ..		A 4
C128 ..		A 3
C137 ..		E 1
C160 ..		E 2
C196 ..		E 5
C1021 ..		E 4
C1023 ..		E 4
C1032 ..		A 1
C1063 ..		A 5
C1078 ..		A 2
C1127 ..		F 4
E1 ..	Headlamp, left (13008)	E 4
E40 ..	Side lamp, left front (13411)	F 4
E164 ..	Park/turn lamp, left front (13411)	E 4
M112 ..	Windshield washer pump motor (17618)	E 1
N1 ..	Brake fluid level switch (2L414)	A 4
N126 ..	A/C high pressure switch (19D594)	A 2
R5 ..	Daytime running lamps resistor	E 5
R77 ..	Heater blower motor resistor, front (19A706)	A 1
Y31 ..	A/C clutch solenoid (19D269)	E 2
Y202 ..	EVAP canister vent control solenoid	A 5



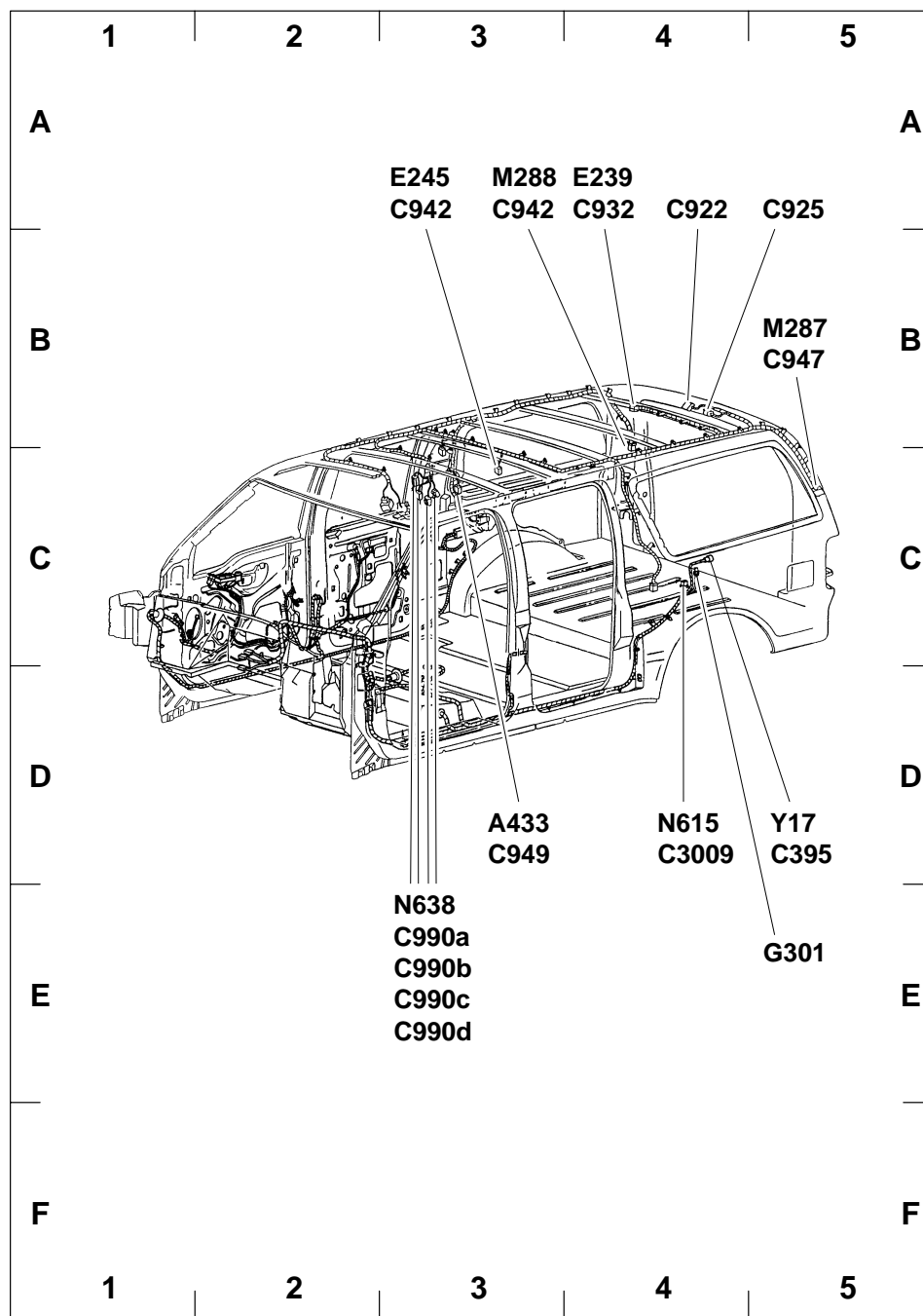
engine compartment, 7.3L Diesel

A415	Injector Driver Module (IDM)	A 5
B226	Engine Oil Temperature (EOT) sensor	E 4
B227	Engine Coolant Temperature (ECT) sender	E 3
B269	Air filter sensor	A 4
B285	Injection pressure sensor	A 3
C103		E 2
C104		E 4
C1061		E 3
C1174		A 5
C1210		A 4
C1303		A 3
N17	Oil pressure switch (9278)	E 2

engine compartment, 7.3L Diesel

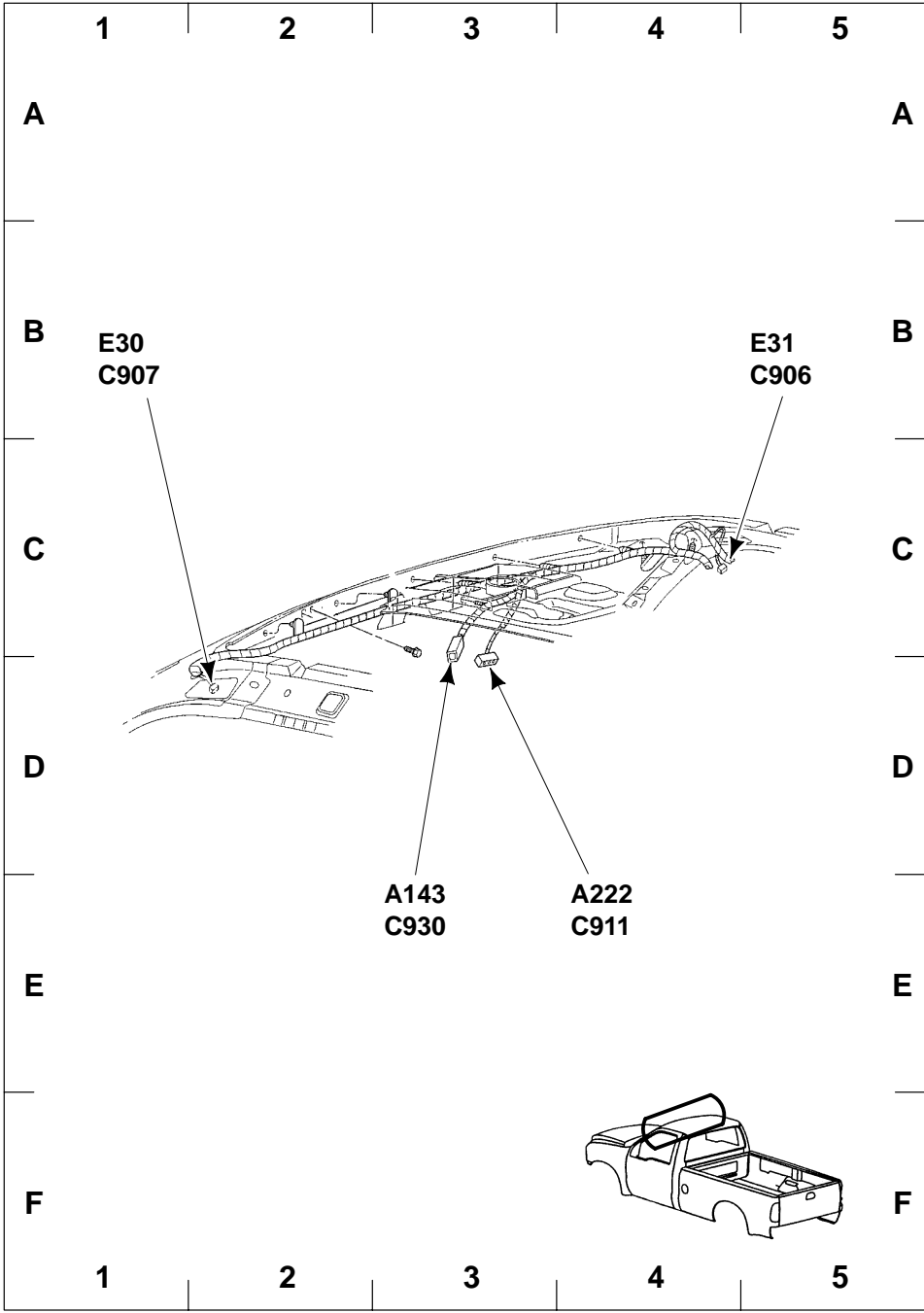


B2 . . .	Manifold Absolute Pressure (MAP) sensor	A 2
B41 . .	Camshaft position sensor (6B288)	E 3
B213 .	Intake Air Temperature (IAT) sensor (12A697)	E 5
B230 .	Injector pressure sensor	A 3
B279 .	Exhaust Back Pressure (EBP) sensor	F 3
C110 .	. . . . .	A 4
C129 .	. . . . .	E 5
C180 .	. . . . .	E 3
C1070 .	. . . . .	A 3
C1076 .	. . . . .	A 2
C1087 .	. . . . .	A 2
C1100a .	. . . . .	F 3
C1119 .	. . . . .	A 1
C1247 .	. . . . .	E 2
C1249a .	. . . . .	F 4
C1271 .	. . . . .	F 3
C1272 .	. . . . .	A 3
G100 .	. . . . .	A 5
G101 .	. . . . .	B 5
G102 .	. . . . .	F 2
G108 .	. . . . .	F 1
G113 .	. . . . .	E 4
M278	Vacuum pump motor	A 1
O1 . .	Battery (10655)	F 3
O3 . .	Battery II	F 4
R32 . .	Fuel heater	A 2
Y252	Electronic Shift On the Fly (ESOF) solenoid	E 2
Y265	Exhaust Pressure Regulator (EPR)	A 3



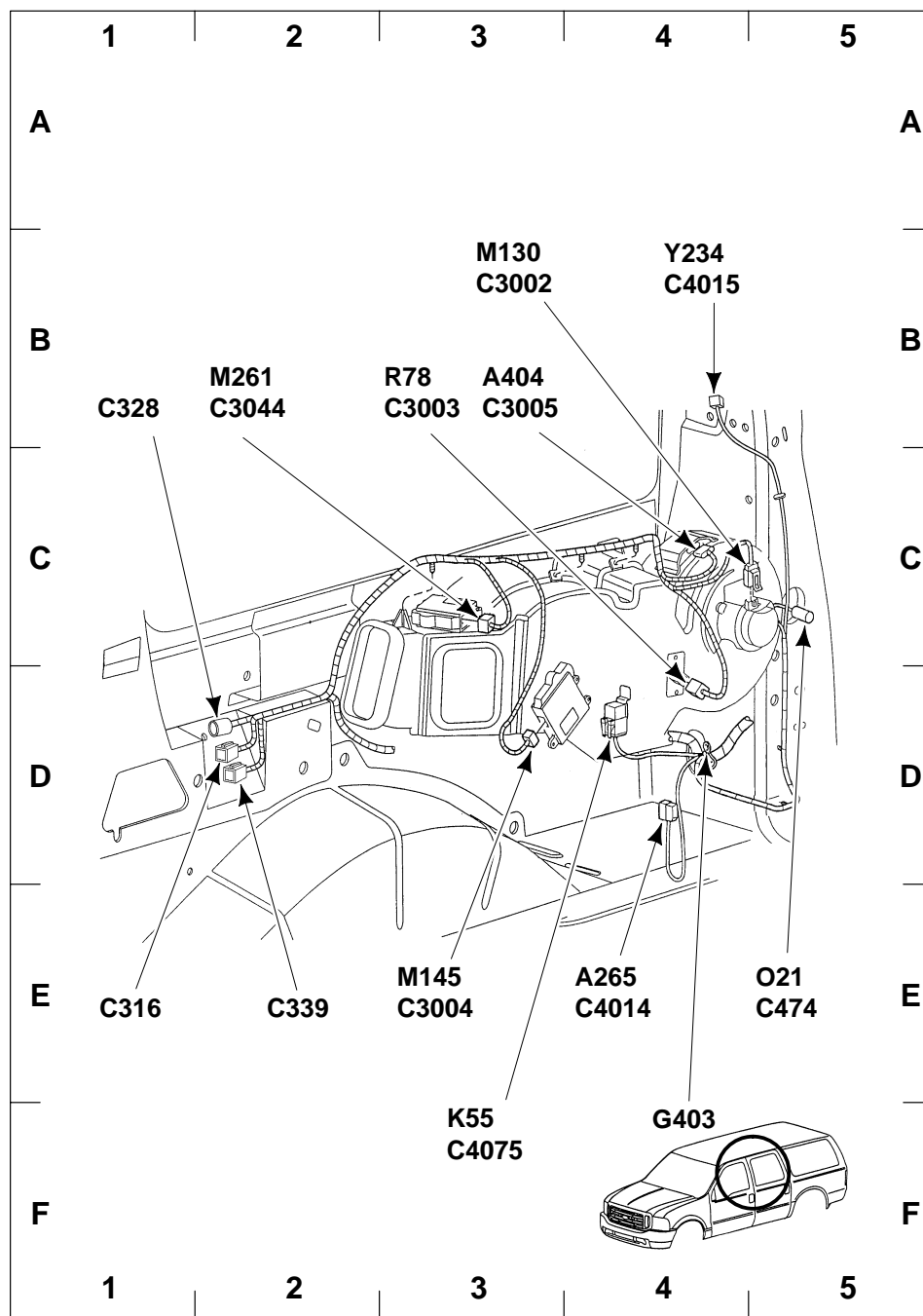
Vehicle interior

A433	DVD player	D 3
C395		D 5
C922		A 4
C925		A 5
C932		A 4
C942		A 3
C942		A 3
C947		B 5
C949		D 3
C990b		E 3
C990a		E 3
C990c		E 3
C990d		E 3
C3009		D 4
E239	Interior/map lamps assembly, rear	A 4
E245	Rail lamp, RH side (13776)	A 3
G301		E 5
M287	Power vent window motor, left	B 5
M288	Power vent window motor, right	A 3
N615	Power point, C pillar (19N236)	D 4
N638	Auxiliary function selector switch assembly, rear	E 3
Y17	Speaker, left rear (18808)	D 5



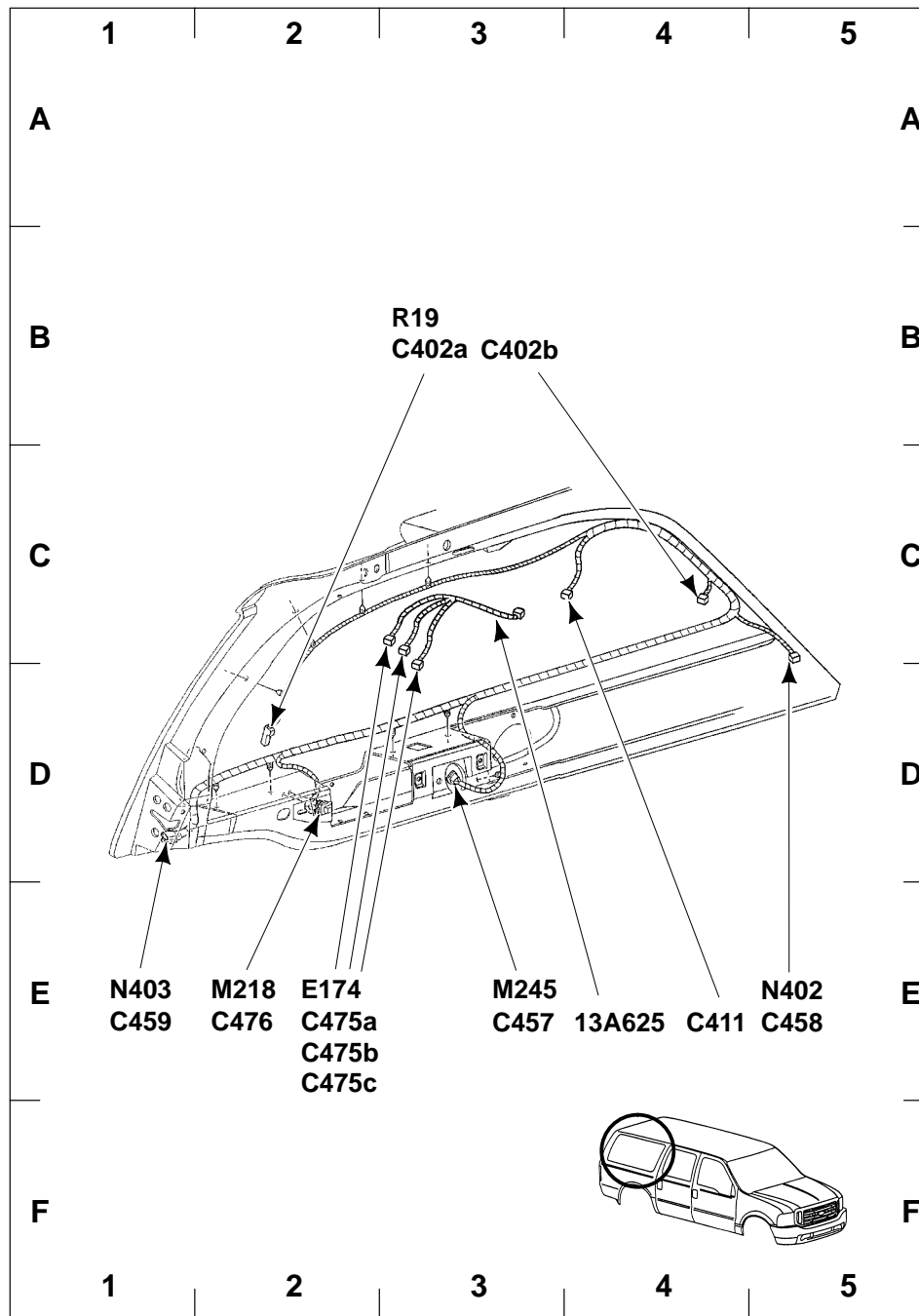
in roof panel

A143	Overhead console	E 3
A222	Electrochromatic inside mirror unit (17700)	E 4
C906		B 5
C907		B 1
C911		E 4
C930		E 3
E30	Vanity mirror lamp, left (04100)	B 1
E31	Vanity mirror lamp, right (04100)	B 5



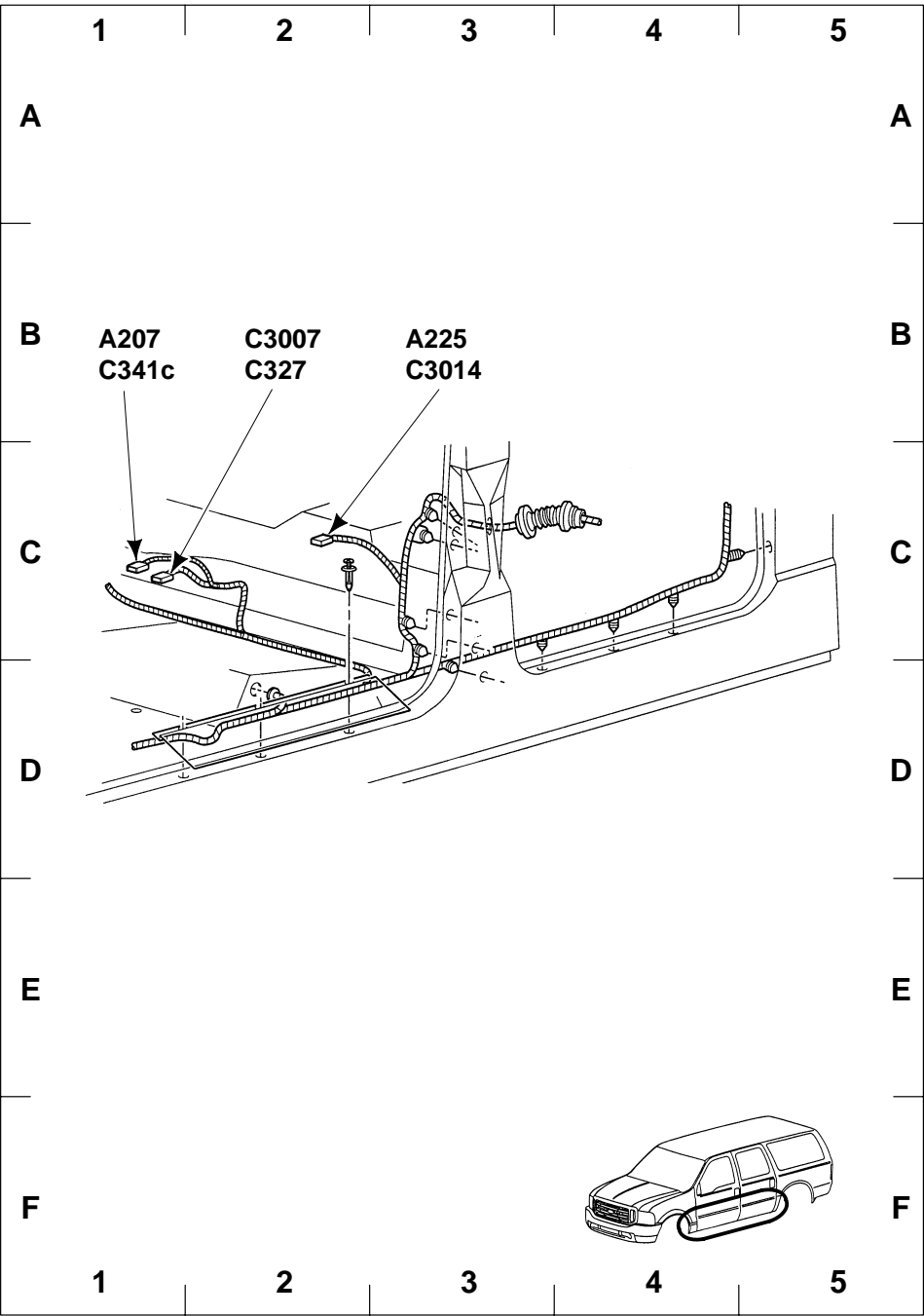
Vehicle interior, RH side, after C-pillar

A265	Parking Aid Module (PAM) (15K866)	E 4
A404	Rear A/C control module	B 3
C316		E 1
C328		B 1
C339		E 2
C474		E 5
C3002		B 3
C3003		B 3
C3004		E 3
C3005		B 3
C3044		B 2
C4014		E 4
C4015		B 4
C4075		F 3
G403		F 4
K55	High speed blower motor relay	F 3
M130	Blower motor, rear (18456)	B 3
M145	Blend door actuator, rear (19E616)	E 3
M261	Mode door actuator, rear	B 2
O21	Power point, rear (19G247)	E 5
R78	Heater blower motor resistor, rear (19A706)	B 3
Y234	Parking aid speaker	B 4



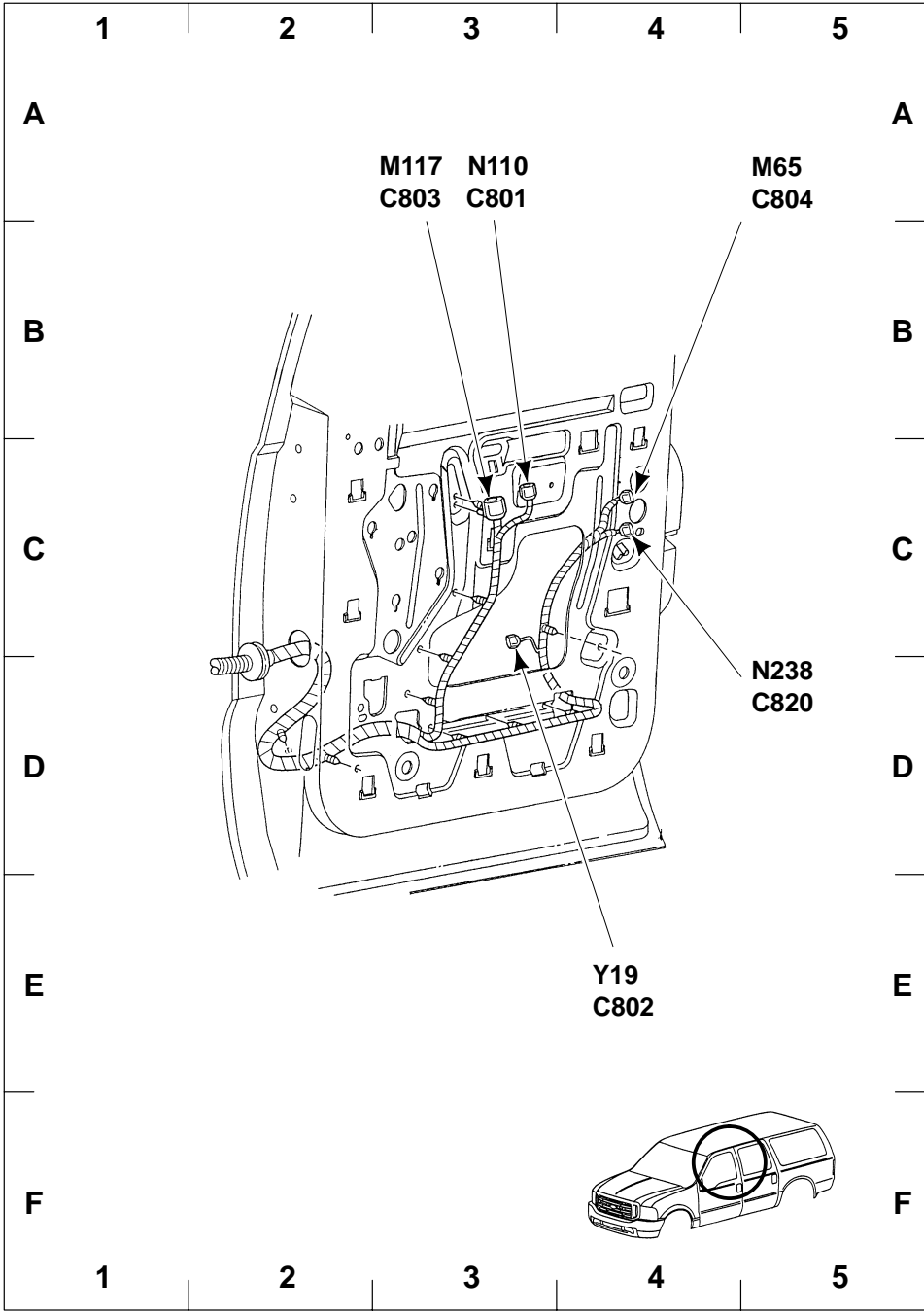
in liftgate

13A625	.....	E 4
C402b	.....	B 3
C402a	.....	B 3
C411	.....	E 4
C457	.....	E 3
C458	.....	E 5
C459	.....	E 1
C475a	.....	E 2
C475b	.....	E 2
C475c	.....	E 2
C476	.....	E 2
E174	High mounted stoplamp (13A613)	E 2
M218	Rear wiper motor assembly	E 2
M245	Liftgate lock actuator	E 3
N402	Liftgate ajar switch, left	E 5
N403	Liftgate ajar switch, right	E 1
R19	Rear window defrost grid (18C618)	B 3



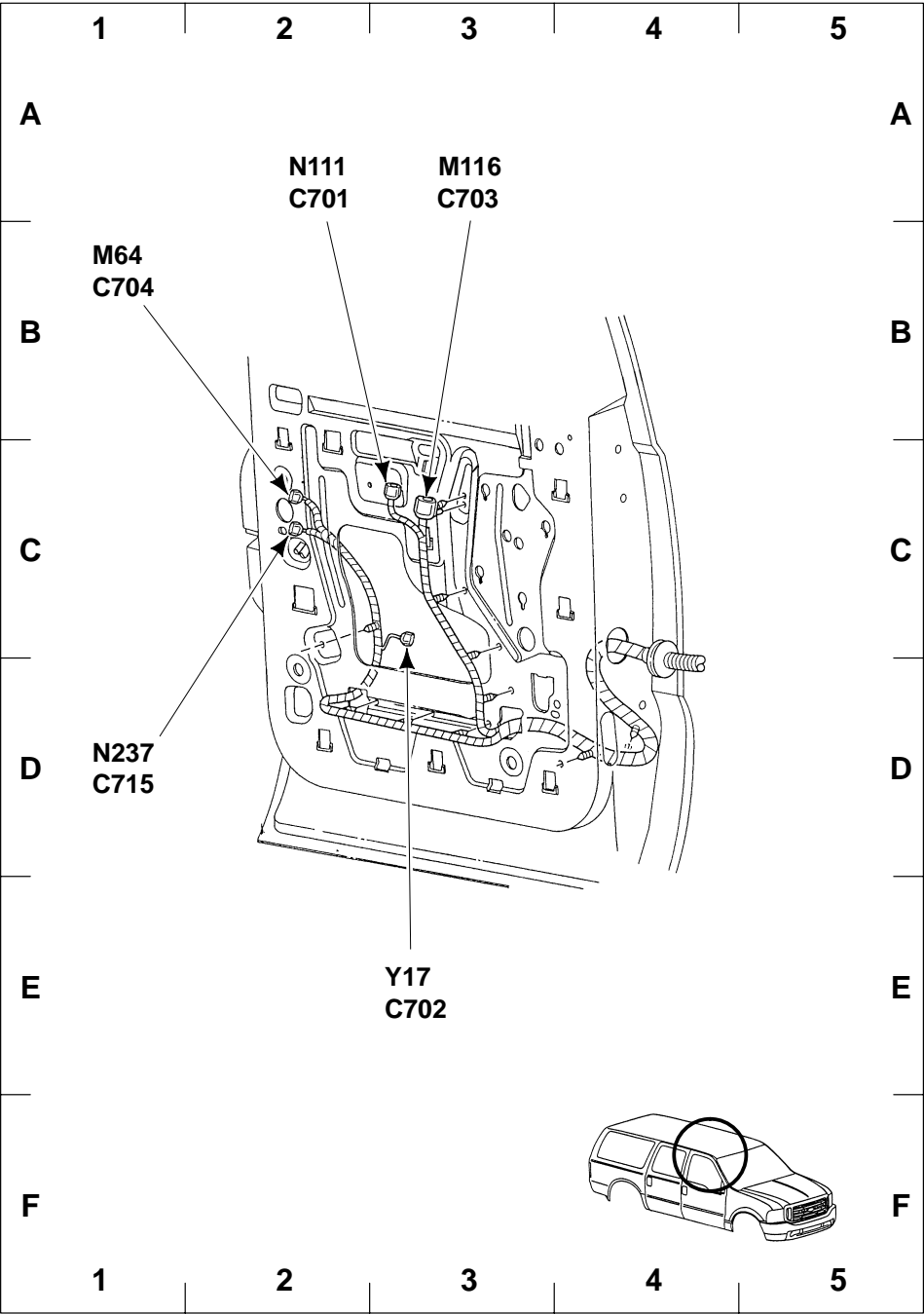
vehicle floor, LH side

A207	Driver seat module (14C718)	B 1
A225	Driver safety belt retractor pretensioner	B 3
C327		B 2
C341c		B 1
C3007		B 2
C3014		B 3



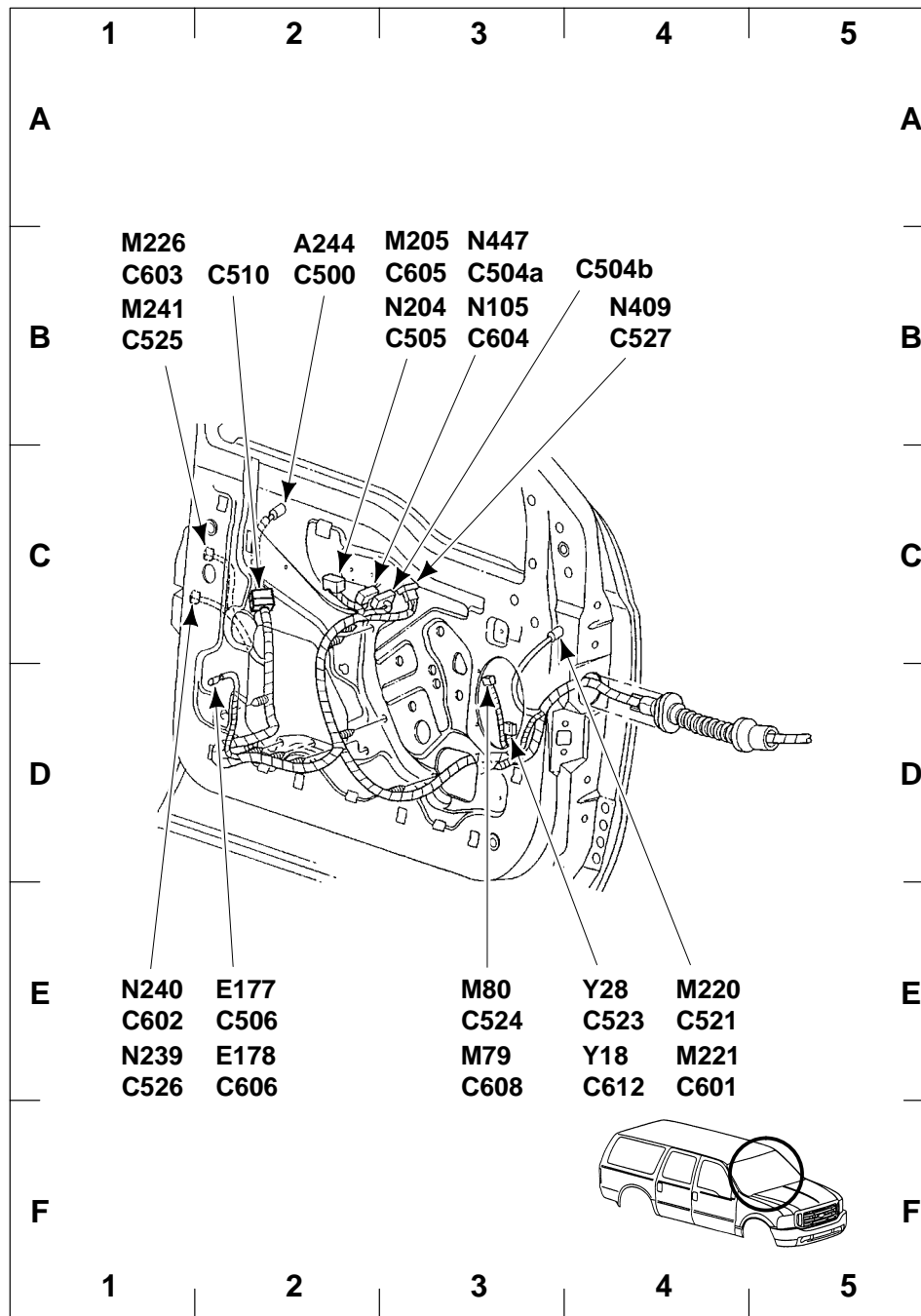
in RH rear door

C801	.....	A 3
C802	.....	E 4
C803	.....	A 3
C804	.....	A 5
C820	.....	D 5
M65	Door lock actuator, right rear (218A42)	A 5
M117	Power window motor, right rear (23394)	A 3
N110	Window adjust switch, right rear (14A412)	A 3
N238	Door ajar switch, passenger side rear (14018)	D 5
Y19	Speaker, right rear (18808)	E 4



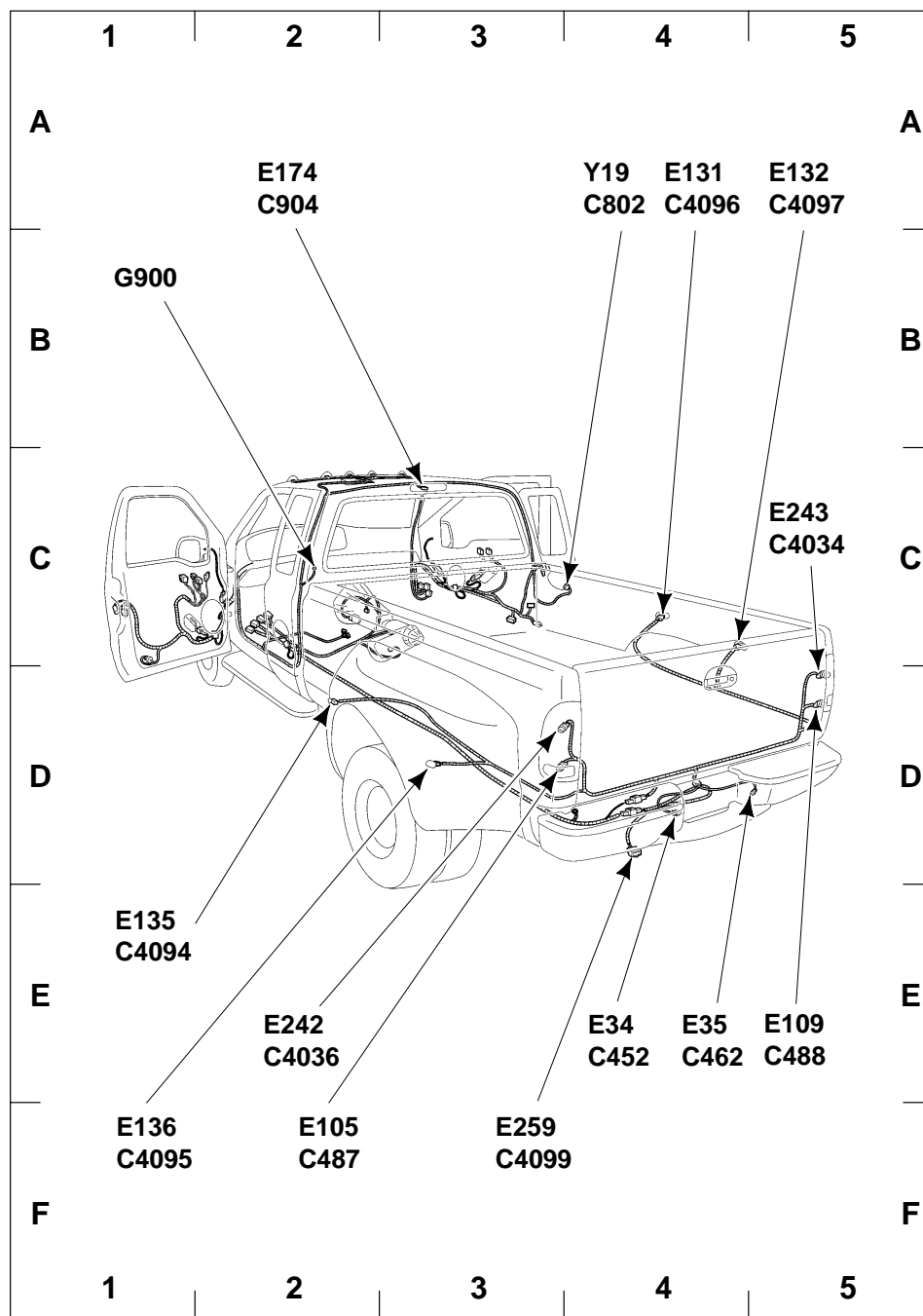
in LH rear door

C701	.....	A 2
C702	.....	E 3
C703	.....	A 3
C704	.....	B 1
C715	.....	D 1
M64	Door lock actuator, left rear (218A43)	B 1
M116	Power window motor, left rear (23394)	A 3
N111	Window adjust switch, left rear (14A412)	A 2
N237	Door ajar switch, driver side rear (14018)	D 1
Y17	Speaker, left rear (18808)	E 3



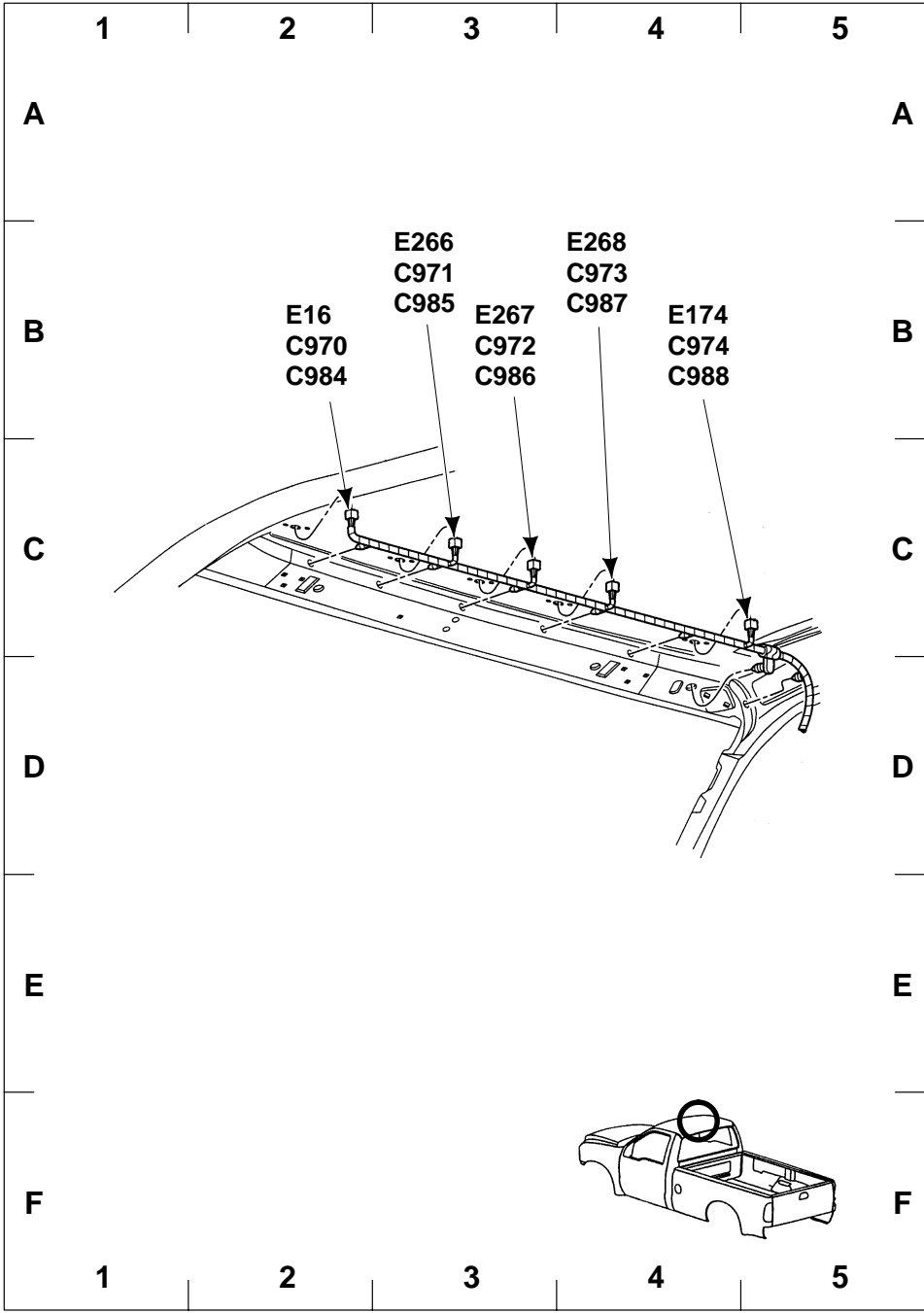
Front door, Driver side shown, passenger side similar

A244 . Key pad switch assembly (14A626)	B 2
C500	B 2
C504a	B 3
C504b	B 4
C505	B 3
C506	E 2
C510	B 2
C521	E 4
C523	E 4
C524	E 3
C525	B 1
C526	E 1
C527	B 4
C601	E 4
C602	E 1
C603	B 1
C604	B 3
C605	B 3
C606	E 2
C608	E 3
C612	E 4
E177 . Door entry lamp, left front (13776)	E 2
E178 . Door entry lamp, right front (13776)	E 2
M79 . Power window motor, passenger side front (23394)	E 3
M80 . Power window motor, driver side front (23395)	E 3
M205 . Door lock actuator assembly, passenger side	B 3
M220 . Exterior rear view mirror, driver side (17682)	E 4
M221 . Exterior rear view mirror, passenger side (17683)	E 4
M226 . Door lock actuator, passenger side (218A42)	B 1
M241 . Door lock actuator, left front	B 1
N105 . Window adjust switch, passenger side	B 3
N204 . Door lock switch, driver side (14028)	B 3
N239 . Door ajar switch, driver side front (14018)	E 1
N240 . Door ajar switch, passenger side front (14018)	E 1
N409 . Exterior rear view mirror switch (17B676)	B 4
N447 . Master window adjust switch (14529)	B 3
Y18 . Speaker, right front (18808)	E 4
Y28 . Speaker, left front (18808)	E 4



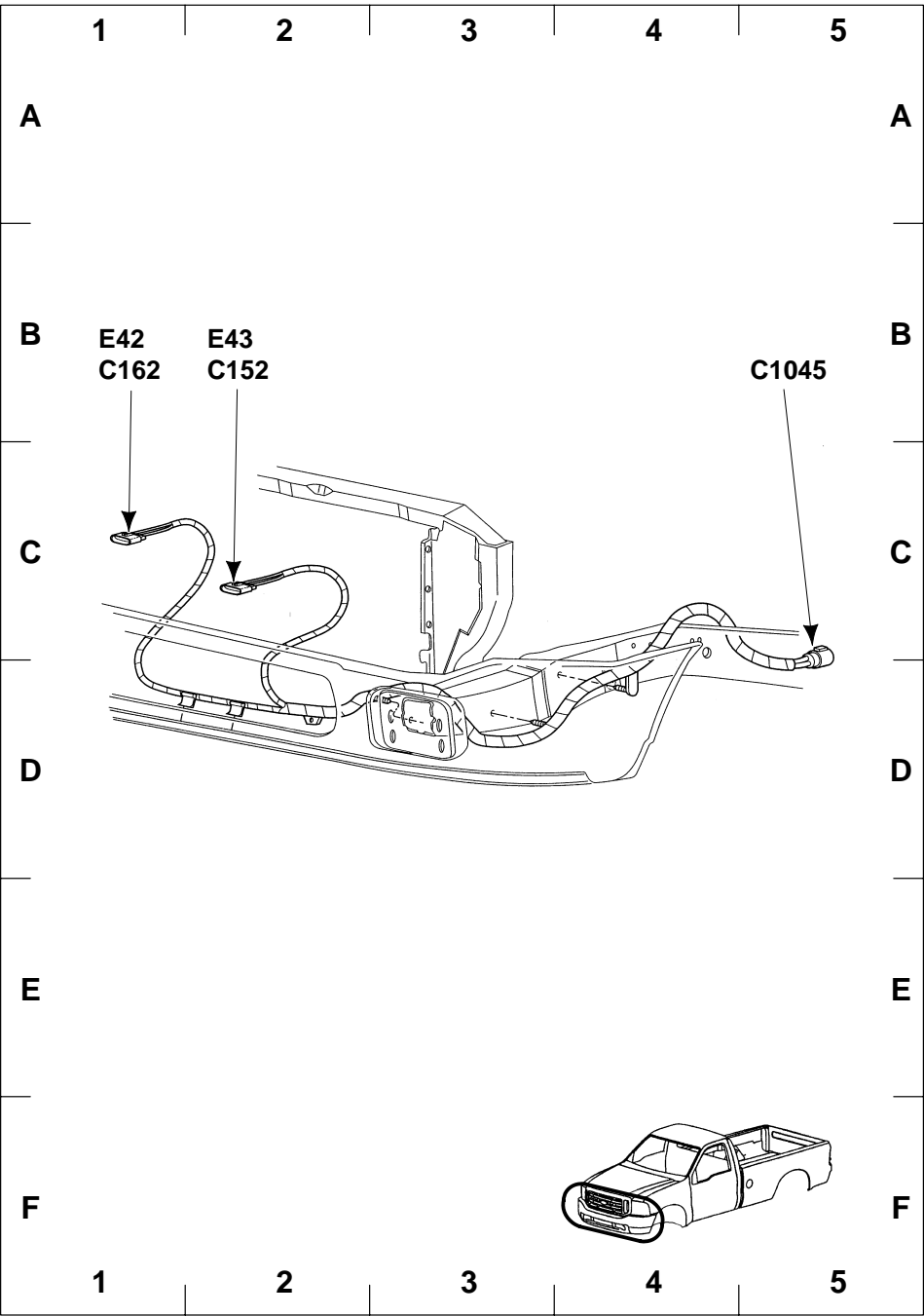
Vehicle rear end

C452	.....	E 4
C462	.....	E 4
C487	.....	F 2
C488	.....	E 5
C802	.....	A 4
C904	.....	A 2
C4034	.....	C 5
C4036	.....	E 2
C4094	.....	E 1
C4095	.....	F 1
C4096	.....	A 4
C4097	.....	A 5
C4099	.....	F 3
E34	.. License plate lamp, left	E 4
E35	.. License plate lamp, right	E 4
E105	.. Reversing lamp, left (13411)	F 2
E109	.. Reversing lamp, right (13411)	E 5
E131	.. Side lamp 1, RH rear	A 4
E132	.. Side lamp 2, RH rear	A 5
E135	.. Side lamp 1, LH rear	E 1
E136	.. Side lamp 2, LH rear	F 1
E174	.. High mounted stoplamp (13A613)	A 2
E242	.. Park/stop/turn lamp, left rear	E 2
E243	.. Park/stop/turn lamp, right rear	C 5
E259	.. Trailer tow connector, 7-pin	F 3
G900	.....	B 1
Y19	.. Speaker, right rear (18808)	A 4



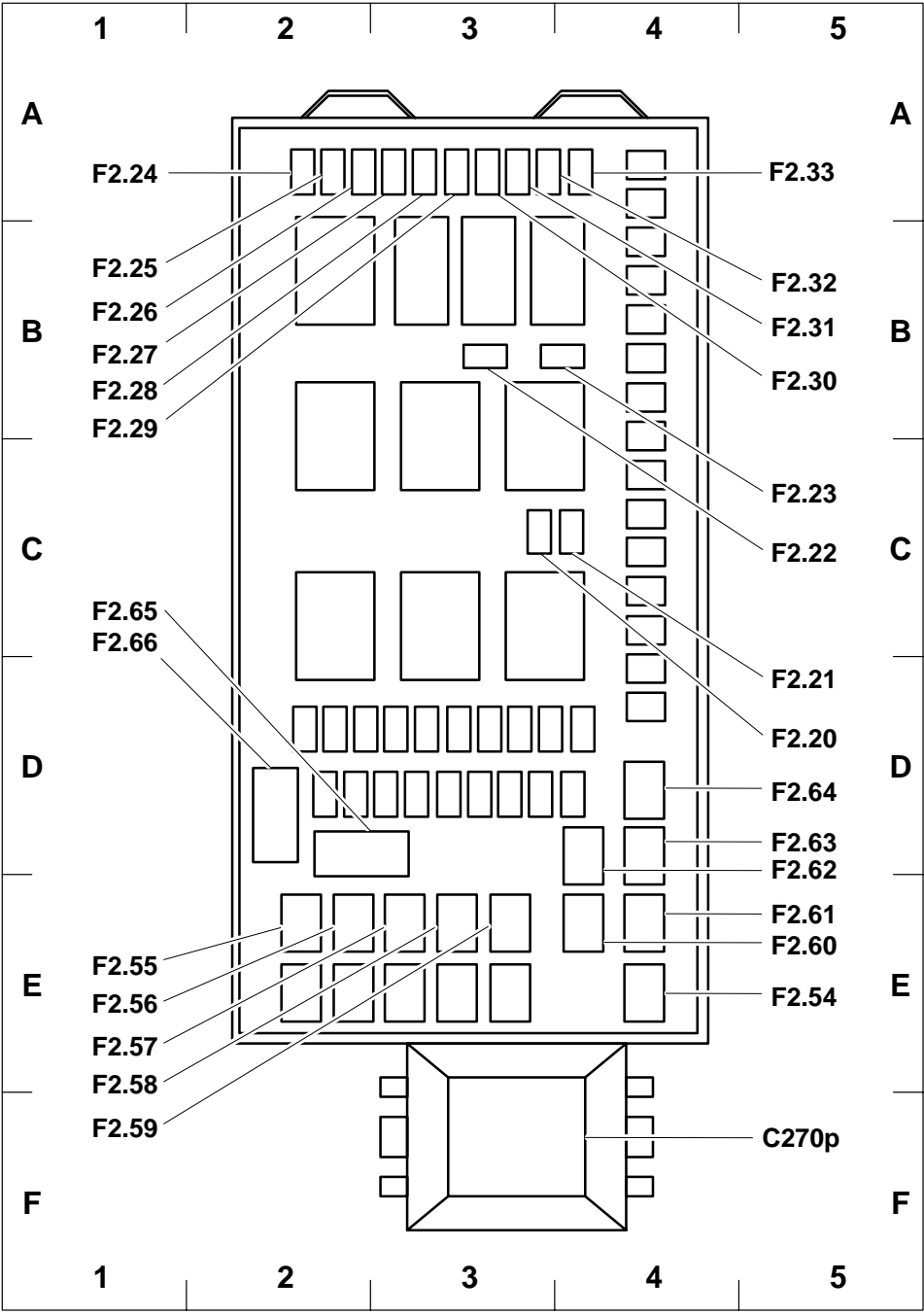
In roof

C970	.....	B 2
C971	.....	B 3
C972	.....	B 3
C973	.....	B 4
C974	.....	B 4
C984	.....	B 2
C985	.....	B 3
C986	.....	B 3
C987	.....	B 4
C988	.....	B 4
E16	.. Roof marker lamp, left	B 2
E174	.. High mounted stoplamp (13A613)	B 4
E266	.. Roof marker lamp, left center	B 3
E267	.. Roof marker lamp, center	B 3
E268	.. Roof marker lamp, right center	B 4



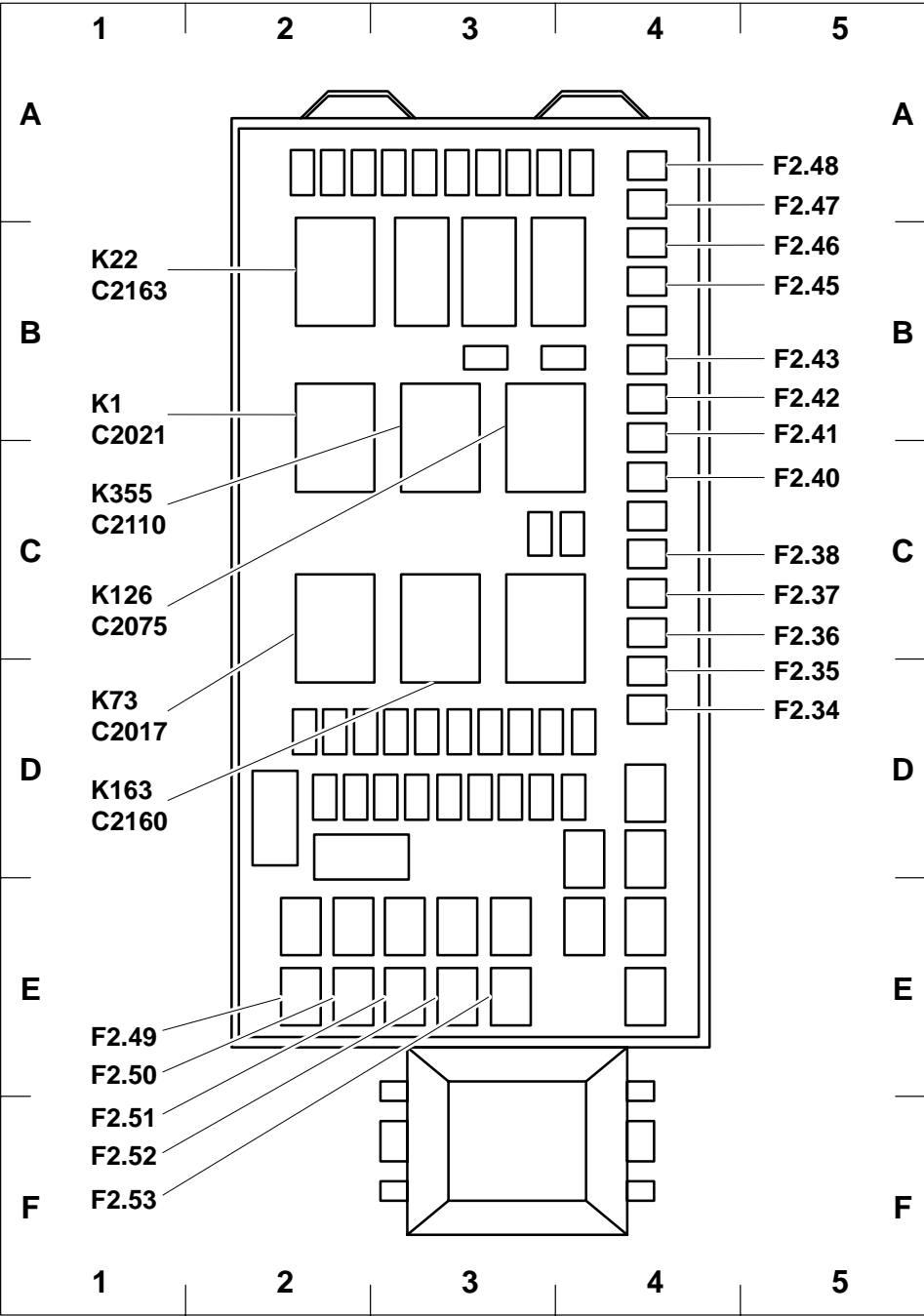
front of vehicle

C152	B 2
C162	B 1
C1045	B 5
E42 .. Fog lamp, right front (15200)	B 1
E43 .. Fog lamp, left front (15200)	B 2



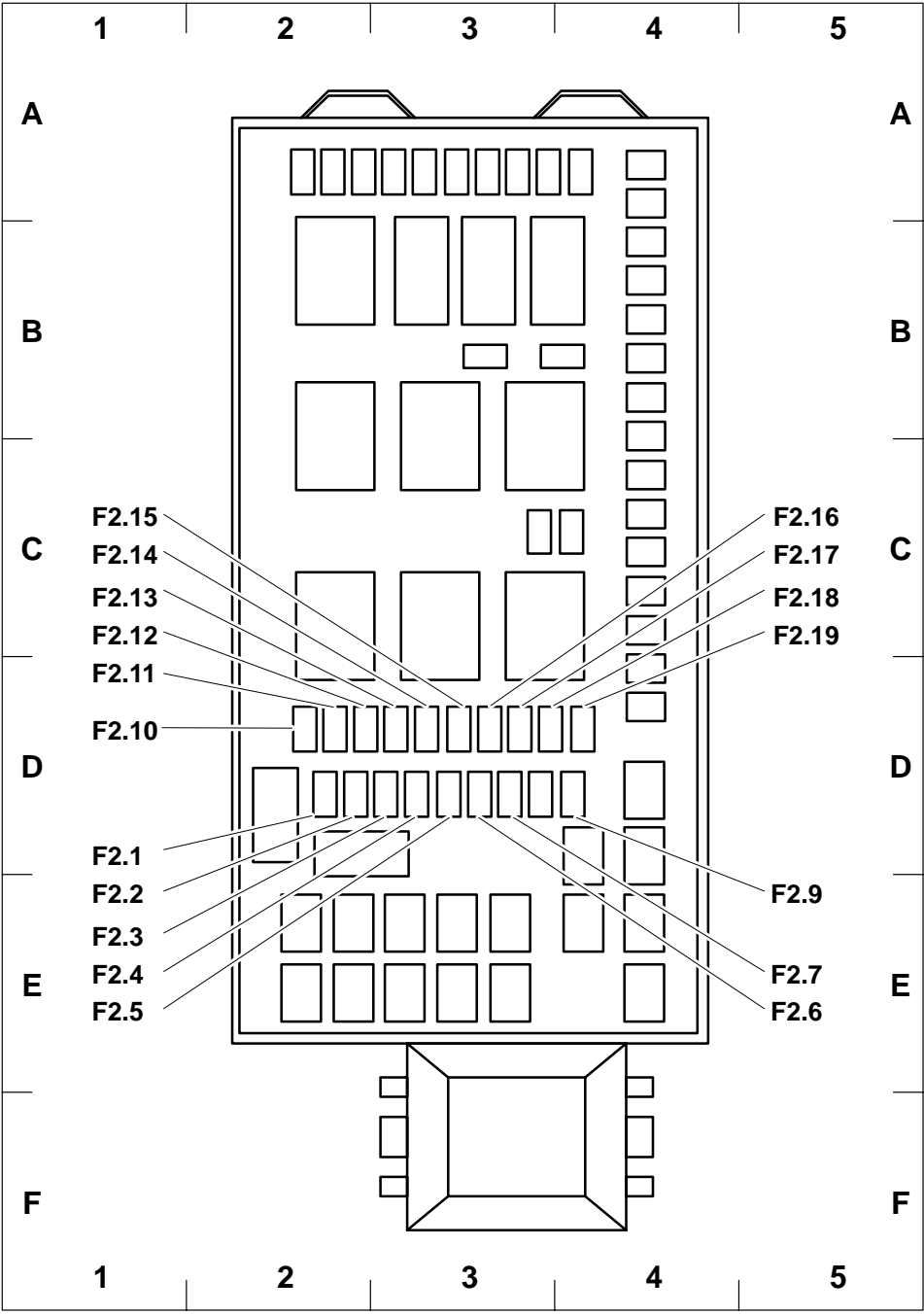
Central Junction Box (CJB) (14A068)

C270p	.....	F 5
F2.20	.....	D 5
F2.21	.....	D 5
F2.22	.....	C 5
F2.23	.....	C 5
F2.24	.....	A 1
F2.25	.....	B 1
F2.26	.....	B 1
F2.27	.....	B 1
F2.28	.....	B 1
F2.29	.....	B 1
F2.30	.....	B 5
F2.31	.....	B 5
F2.32	.....	B 5
F2.33	.....	A 5
F2.54	.....	E 5
F2.55	.....	E 1
F2.56	.....	E 1
F2.57	.....	E 1
F2.58	.....	E 1
F2.59	.....	F 1
F2.60	.....	E 5
F2.61	.....	E 5
F2.62	.....	D 5
F2.63	.....	D 5
F2.64	.....	D 5
F2.65	.....	C 1
F2.66	.....	C 1



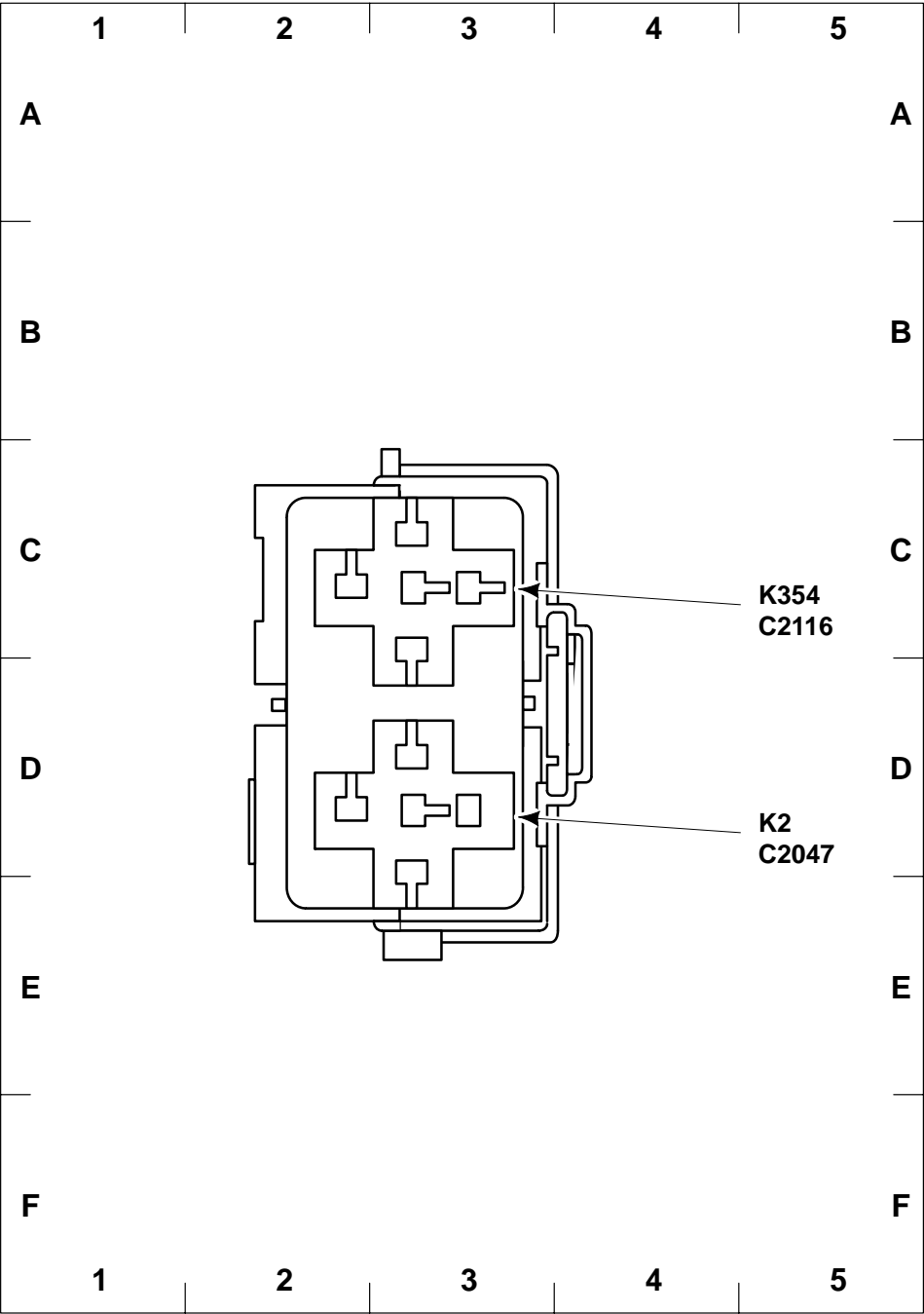
Central Junction Box (CJB) (14A068)

C2017	.....	D 1
C2021	.....	B 1
C2075	.....	C 1
C2110	.....	C 1
C2160	.....	D 1
C2163	.....	B 1
F2.34	.....	D 5
F2.35	.....	D 5
F2.36	.....	C 5
F2.37	.....	C 5
F2.38	.....	C 5
F2.40	.....	C 5
F2.41	.....	B 5
F2.42	.....	B 5
F2.43	.....	B 5
F2.45	.....	B 5
F2.46	.....	B 5
F2.47	.....	A 5
F2.48	.....	A 5
F2.49	.....	E 1
F2.50	.....	E 1
F2.51	.....	F 1
F2.52	.....	F 1
F2.53	.....	F 1
K1	.. Rear window defrost relay	B 1
K22	.. Starter relay (11450)	B 1
K73	.. Blower motor relay	D 1
K126	.. Accessory delay relay	C 1
K163	.. PCM power relay	D 1
K355	.. Trailer tow relay, battery charge	C 1



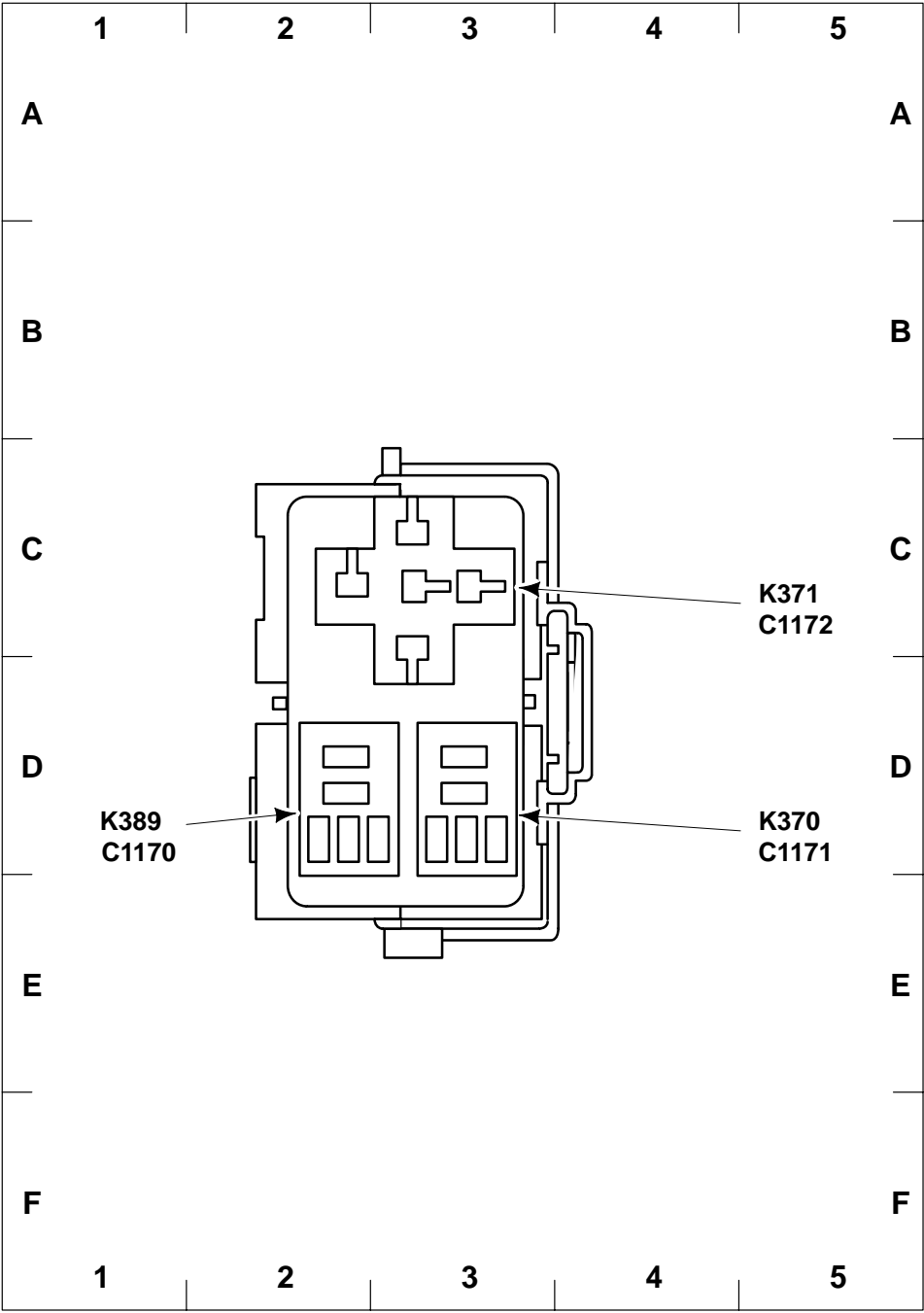
Central Junction Box (CJB) (14A068)

F2.1	.....	D 1
F2.2	.....	E 1
F2.3	.....	E 1
F2.4	.....	E 1
F2.5	.....	E 1
F2.6	.....	E 5
F2.7	.....	E 5
F2.9	.....	E 5
F2.10	.....	D 1
F2.11	.....	D 1
F2.12	.....	C 1
F2.13	.....	C 1
F2.14	.....	C 1
F2.15	.....	C 1
F2.16	.....	C 5
F2.17	.....	C 5
F2.18	.....	C 5
F2.19	.....	C 5



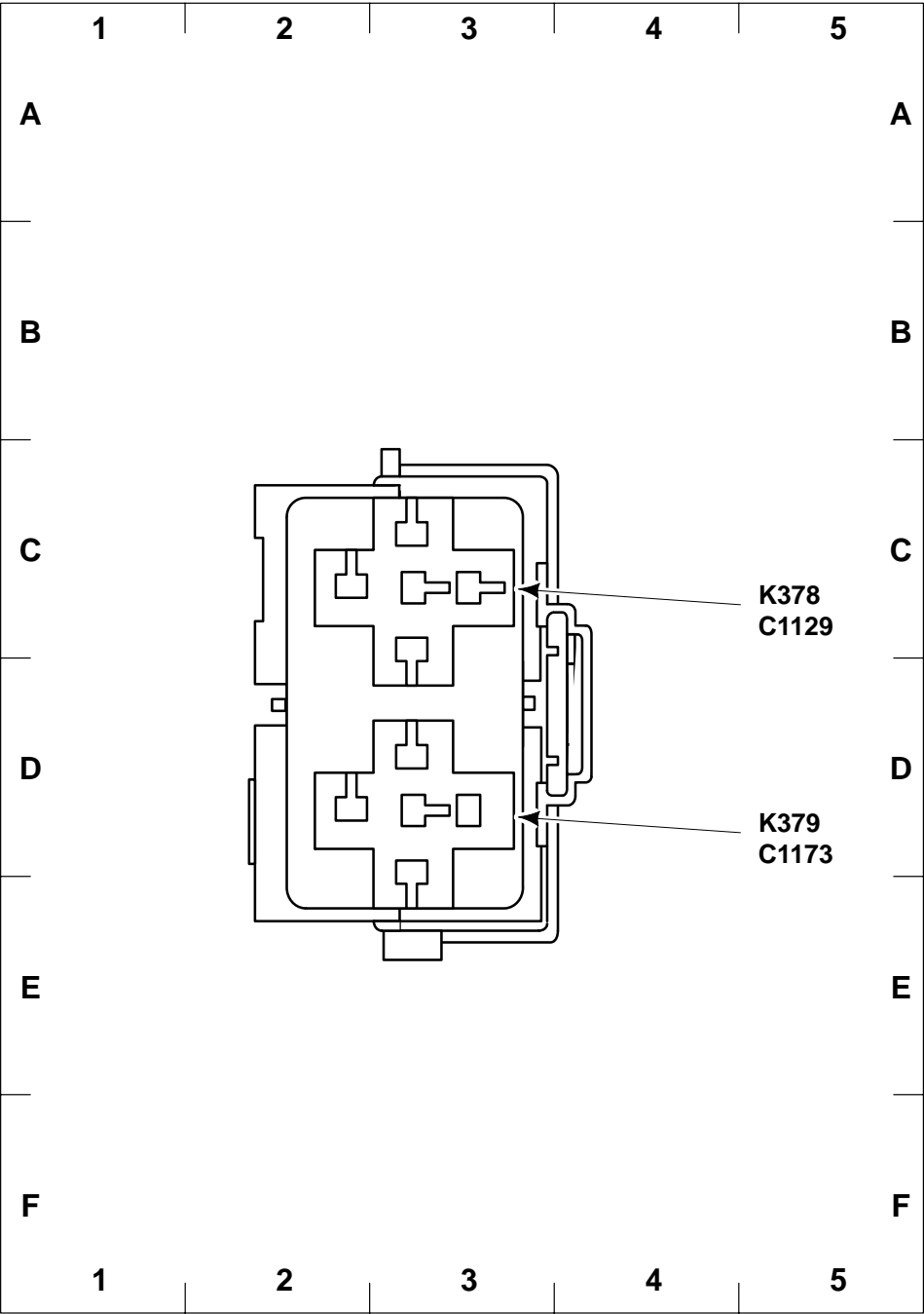
Auxiliary relay box 1

C2047	D 5
C2116	C 5
K2 .. Indicator flasher relay (13350)	D 5
K354 Auxiliary A/C relay	C 5



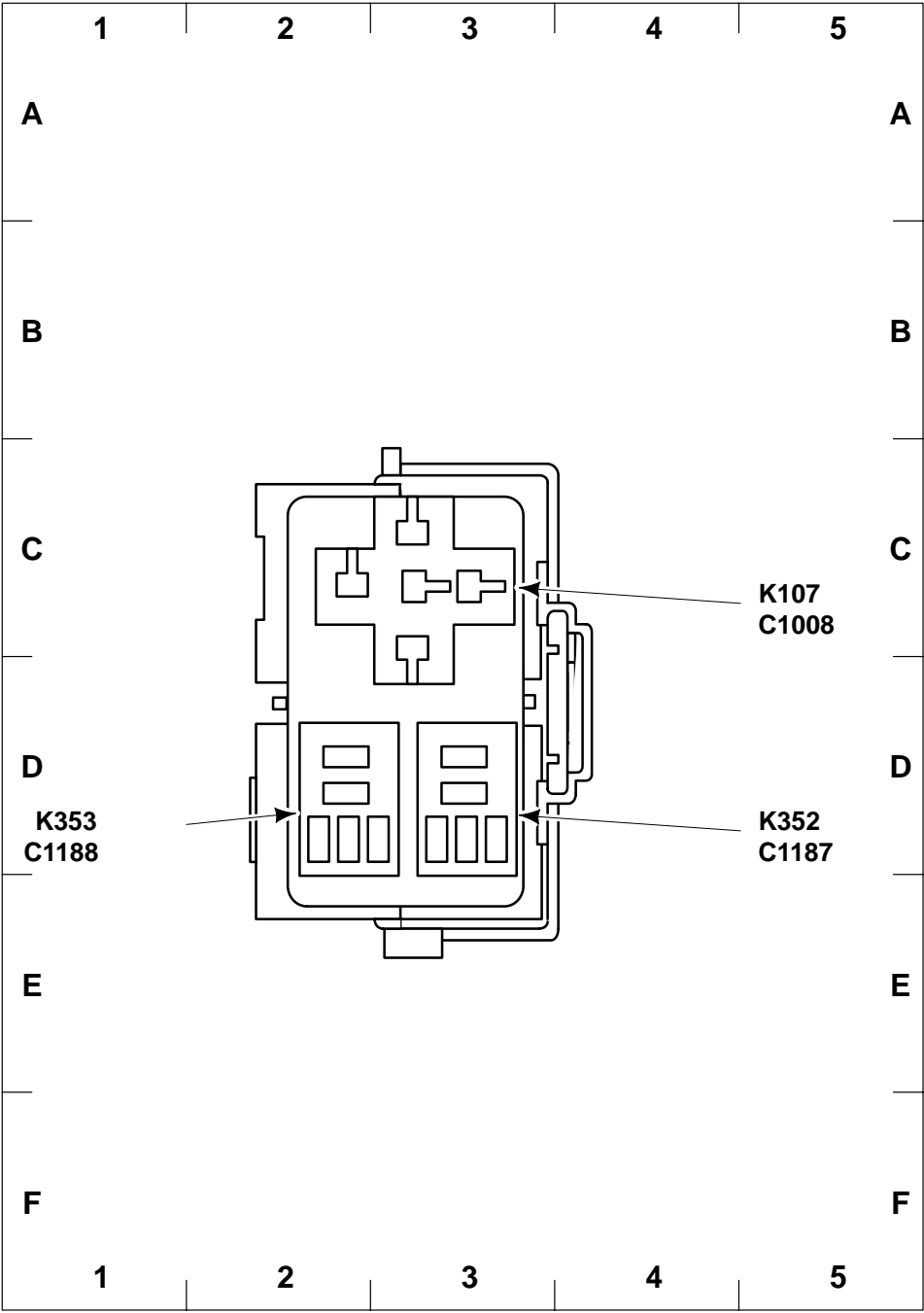
Auxiliary relay box 2

C1170	.....	D 1
C1171	.....	D 5
C1172	.....	C 5
K370	Daytime Running Lamps (DRL) relay 1	..... D 5
K371	Daytime Running Lamps (DRL) relay 2	..... C 5
K389	Park brake relay	..... D 1



Auxiliary relay box 3

C1129	.....	C 5
C1173	.....	D 5
K378	Transfer case low to high relay	C 5
K379	Transfer case high to low relay	D 5



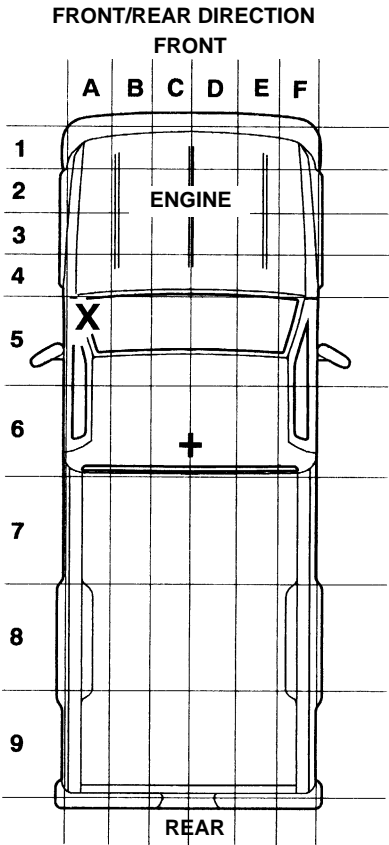
Auxiliary relay box 4

C1008	.....	C 5
C1187	.....	D 5
C1188	.....	D 1
K107	A/C clutch relay	C 5
K352	Trailer tow relay, right turn	D 5
K353	Trailer tow relay, left turn	D 1

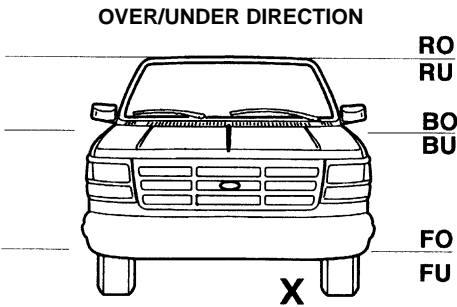
VEHICLE REPAIR LOCATION CODES

TO PINPOINT THE ACTUAL VEHICLE LOCATION OF A REPAIR, THE VEHICLE REPAIR LOCATION CODE IS REQUIRED. FOR EXAMPLE, AN “X” HAS BEEN PLACED IN THE QUADRANT OF THE VEHICLE DIAGRAMS INDICATING THE LOCATION OF THE REPAIR. SEE DIAGRAMS.

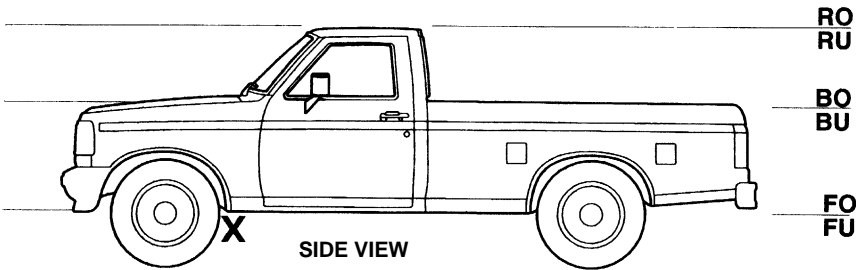
LOCATION CODE, FOR THE EXAMPLE: A5/FU – (UNDER THE FLOOR OF DRIVER’S LEFT FOOT.)



+ CENTER OF VEHICLE



- R = ROOF LINE
RO = ROOF OVER
RU = ROOF UNDER
B = BELT LINE
BO = BELT OVER
BU = BELT UNDER
F = FLOOR PAN
FO = FLOOR OVER
FU = FLOOR UNDER



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FCS-12254-02