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F-350 SUPER DUTY

Diagramas del Sistema Eléctrico



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34-1	Four Wheel Drive Systems	124-1	Power Mirrors
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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 schematics 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 that 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 that are connected to the circuits may not be shown unless they influence the circuit operation.

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. 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 a schematic, all switches, sensors and relays are shown "at rest" (ignition switch OFF).

Splices (3)

Splices directly connecting to the power distribution are best represented on the power distribution schematic in cell 13 "Power Distribution." Splices connected to grounds can be seen completely in cell 10 "Grounds." For all other splices, a reference is given to each off page where that particular splice can be best viewed.

Component Referencing (4)

Components on a schematic have a reference to a component location view or the page where it is shown completely. The reference is located to the right of each component.

Component Names (5)

Component names are placed on the right hand side of each component when possible. Descriptions of the internals of the component are also included when available. The page where the component appears in full is listed in the Index. The base part number for a component is listed in cell 150 "Connector Views."

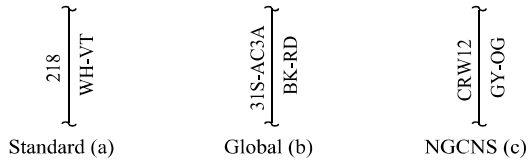
Internal Name and Function Identification Numbers (6)

Some components on each page have internal symbols with an identification number located within it. You can identify the internal symbol or function by finding the corresponding number under the component name.

Circuit Numbering and Wire Identification (7)

Ford Motor Company uses three different circuit numbering conventions: Standard Circuit Numbering System, Global Circuit Numbering System, and New Global Circuit Numbering System (NGCNS). With each, the circuit number (which identifies a specific circuit function) is followed by the wire color.

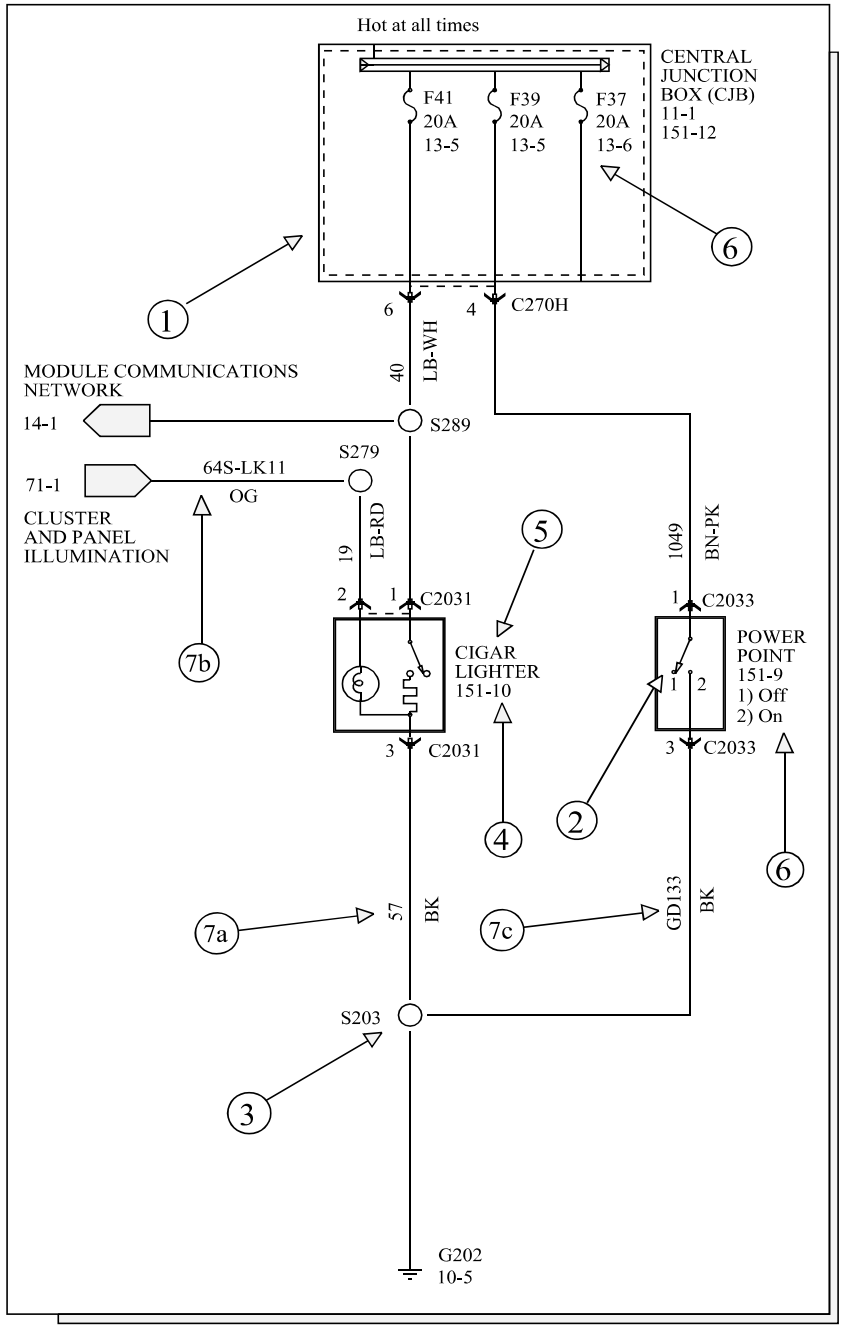
Examples:



Standard (a) Global (b) NGCNS (c)

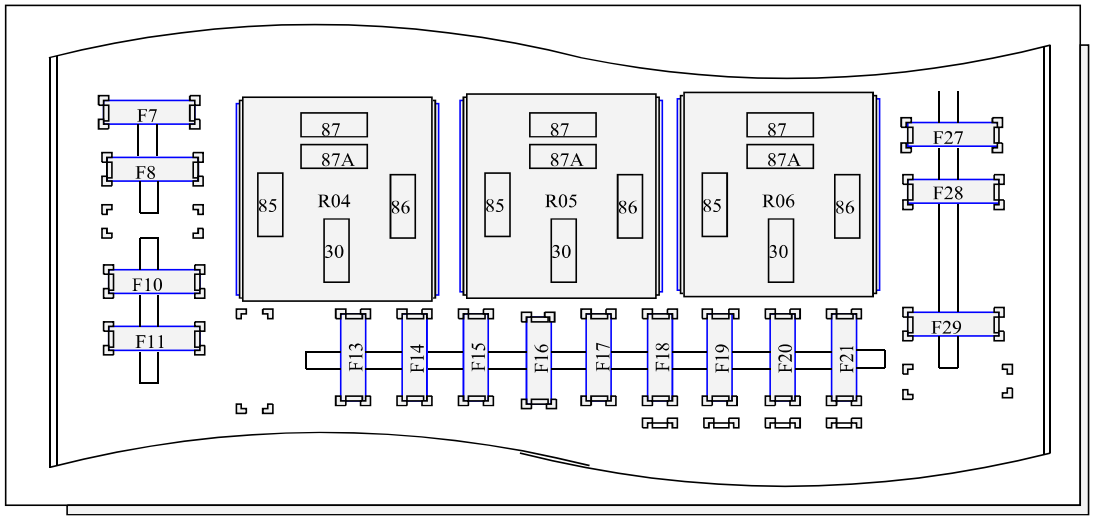
NOTE: Refer to cell 150 "Connector Views" for circuit functions.

The wire identification consists of a basic color and possibly a stripe, and is determined directly from the wire's circuit number. In the schematics, the wire colors are indicated next to the wires. The colors are abbreviated using the international norm IEC 757. The abbreviations are listed in cell 4 "Symbols."



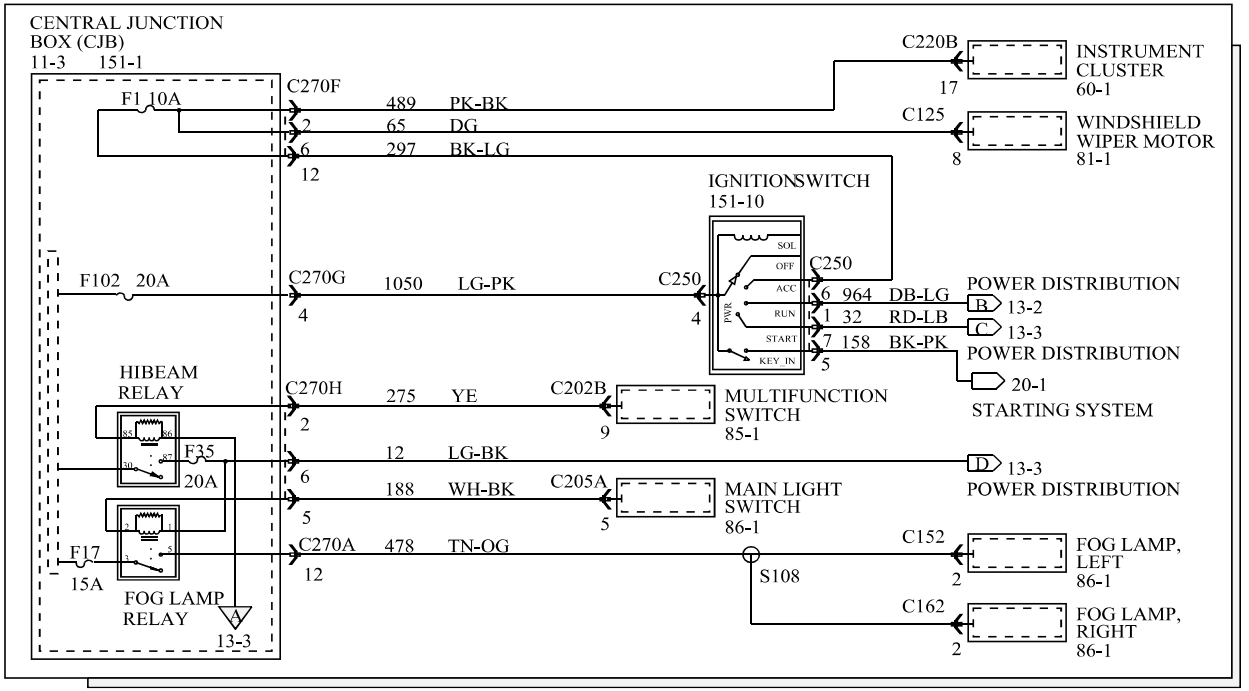
Fuse and Relay Information

Cell 11 "Fuse and Relay Information" contains a view of the fuse/relay box in which fuses and relays are identified, numbered and named. Fuse and relay numbering and naming follow the indication of the fuse panel cover. In addition, for all removable relays, pin positions are added to illustrate proper orientation.



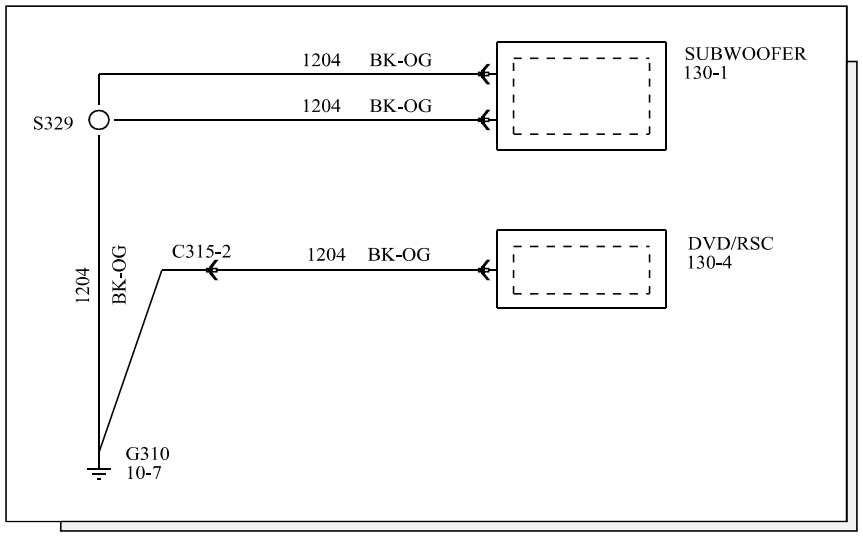
Power Distribution

Cell 13 "Power Distribution" shows the current feed circuits. 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 schematic that shows 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 component 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 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."

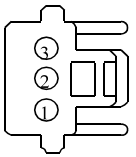
Cell 151 "Component Location Views" shows the components and their connecting wires as they can be found on the vehicle.

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.

C904 (GY)

14290

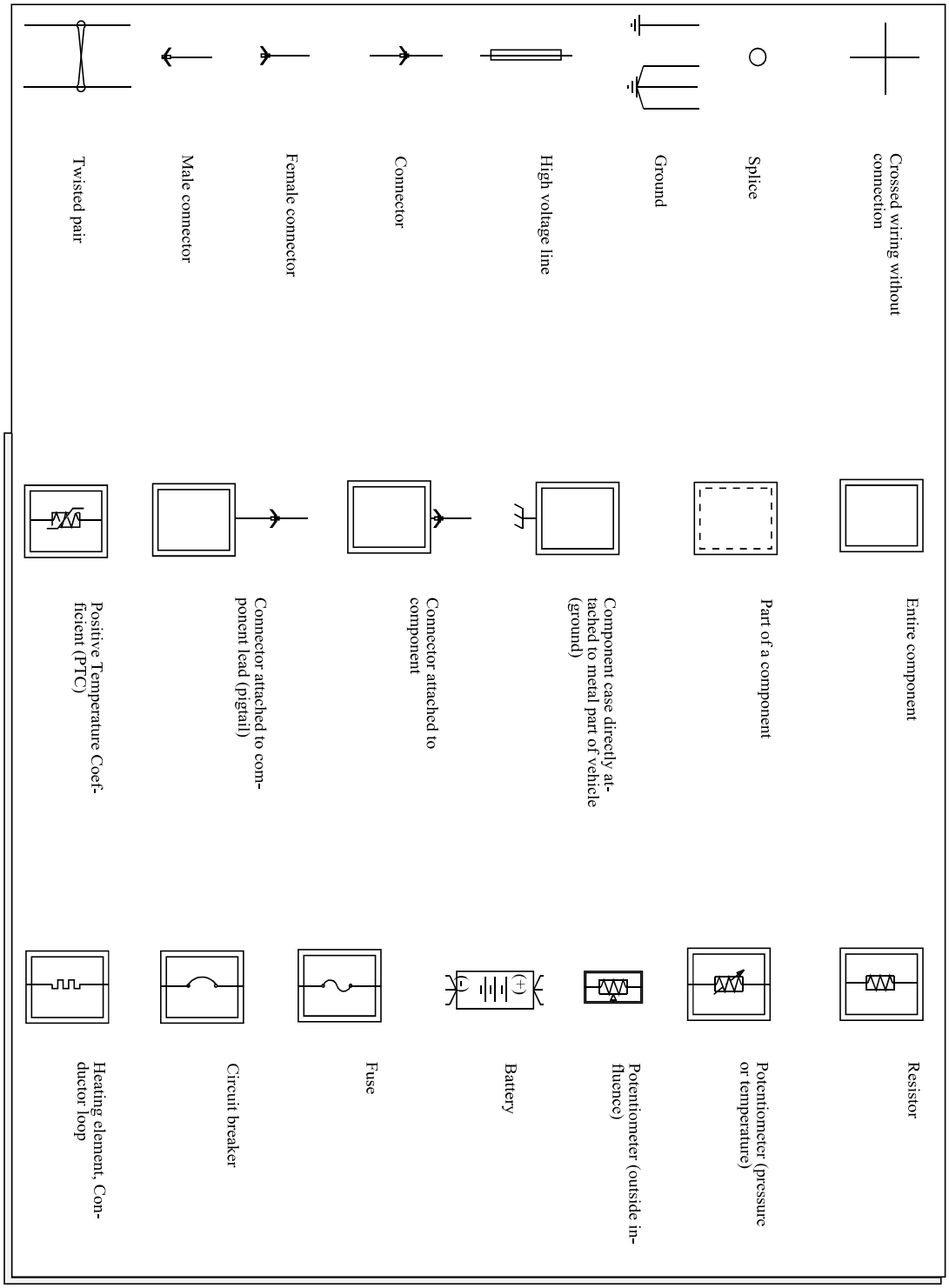
REAR DOME/MAP LAMP(13M614)



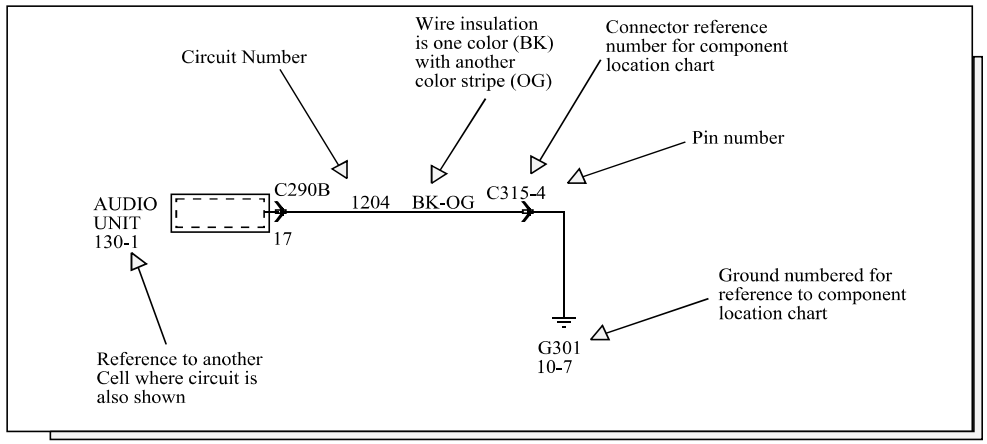
Pin	Circuit	Gauge	Circuit Function	Qualifier
1	53 (BK-LB)	20	Courtesy lamp switch to courtesy lamp	
2	57 (BK)	20	Ground circuit	
3	705 (LG-OG)	20	Battery saver lamp feed	

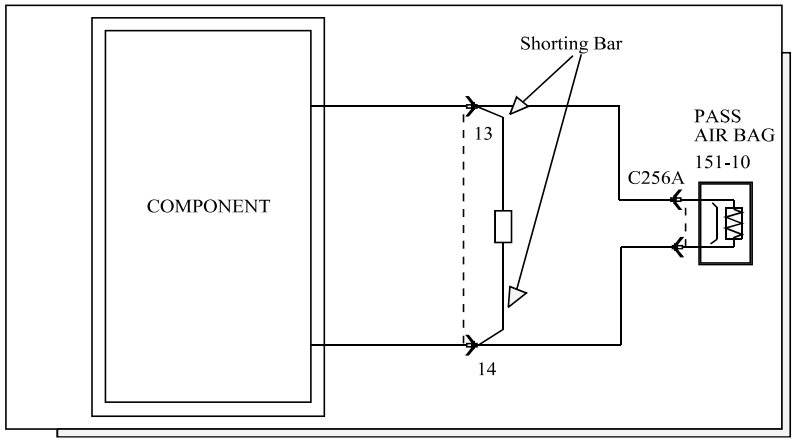
WARNINGS

- 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.

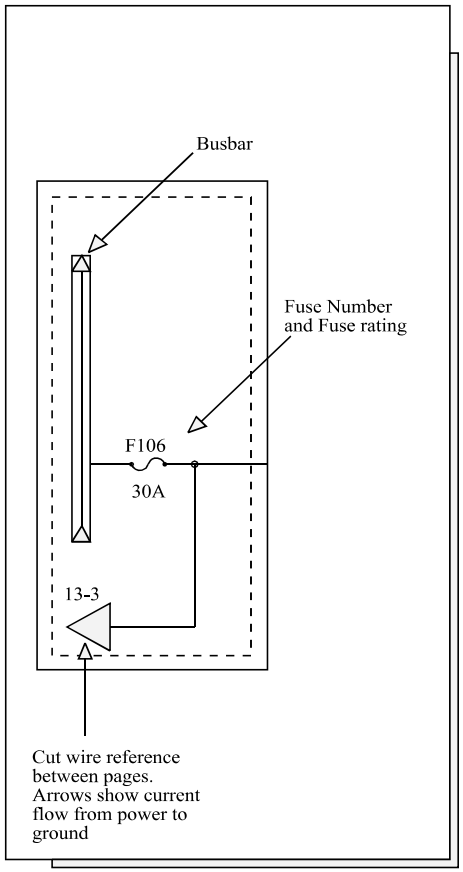

Crossed wiring without connection
Splice
Ground
High voltage line
Connector
Female connector
Male connector
Twisted pair
Entire component
Part of a component
Component case directly attached to metal part of vehicle (ground)
Connector attached to component
Connector attached to component lead (pigtail)
Positive Temperature Coefficient (PTC)
Resistor
Potentiometer (pressure or temperature)
Potentiometer (outside influence)
Battery
Fuse
Circuit breaker
Heating element, Conductor loop

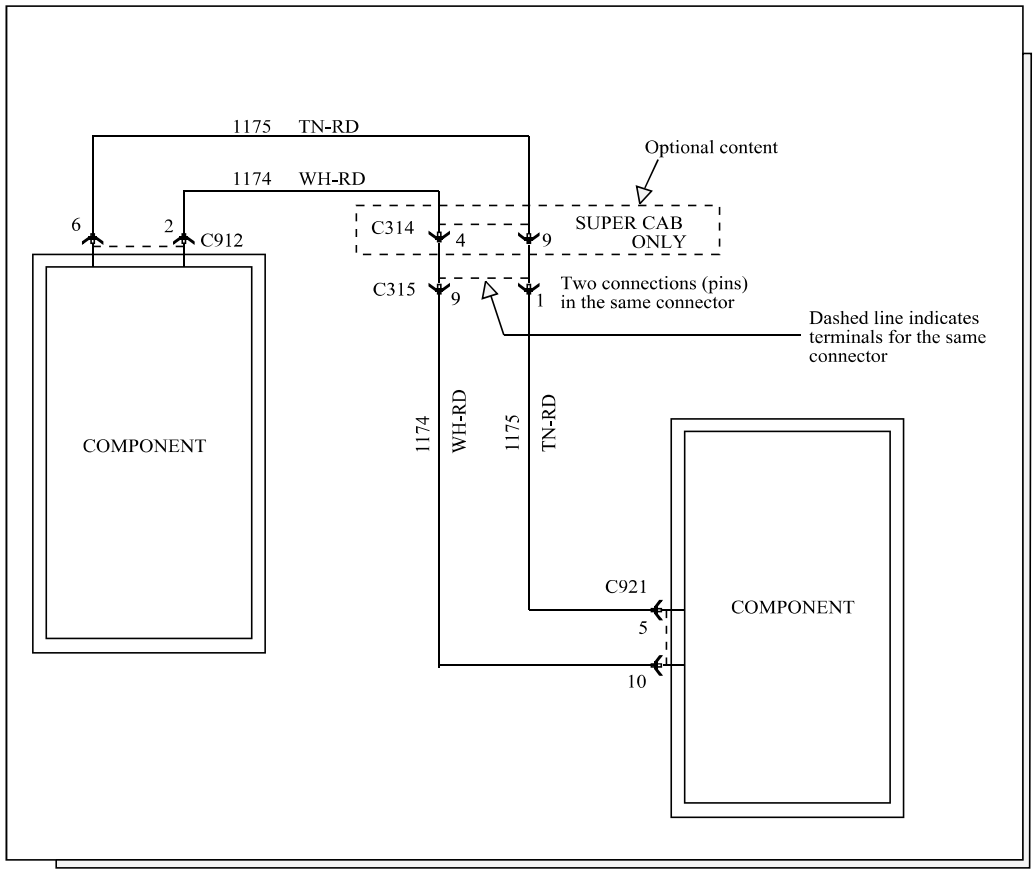
Ignition coil assembly
Solenoid controlled valve or clutch solenoid
Light emitting diode (LED)
Capacitor
Multipole switch
2 1
Piezoelectric sensor
From offpage Reference
To offpage Reference
Hall sensor
Clockspring
Diode, current flows in direction of arrow
Switch
Lamp
Bifilament lamp
Buzzer
Antenna
Permanent magnet, one-speed-motor
M
Permanent magnet, two-speed-motor
M
Rotational sensor
Horn or speaker
Fusible link
Shield
Warning
!

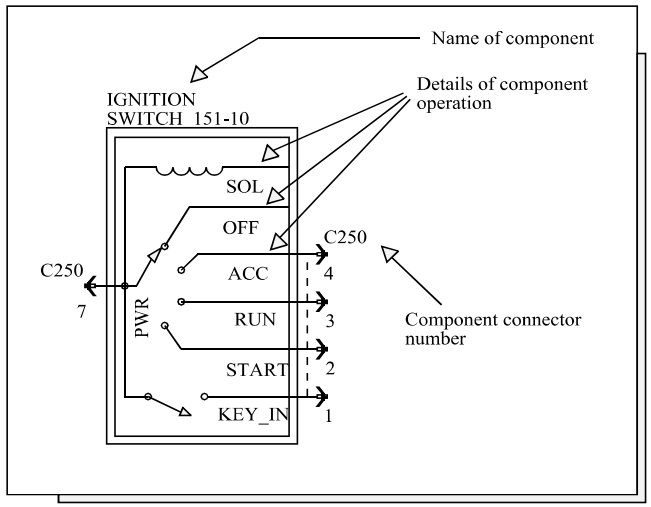


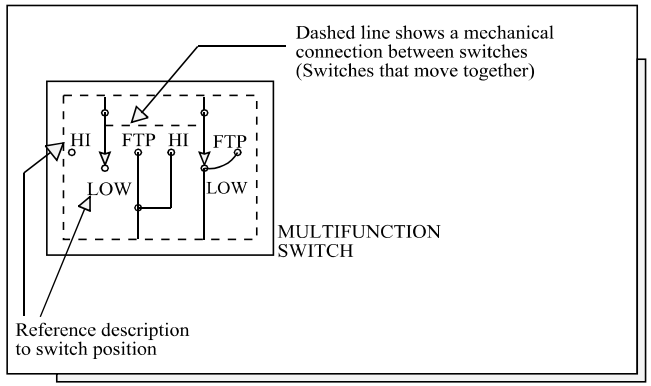


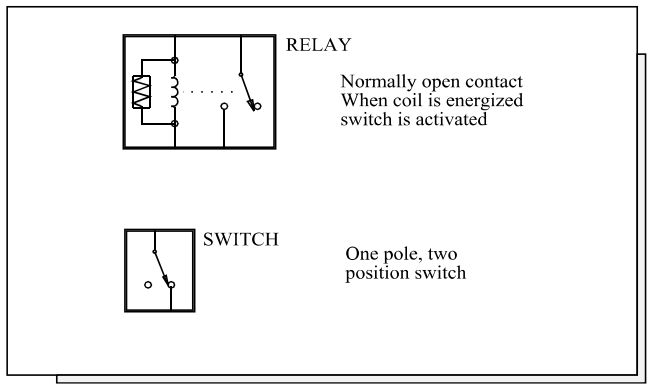
Wire colors	
BK	Black
BN	Brown
BU	Blue
DB	Dark blue
DG	Dark green
GN	Green
GY	Grey
LB	Light blue
LG	Light green
NA	Natural
OG	Orange
PK	Pink
RD	Red
SR	Silver
TN	Tan
VT	Violet
WH	White
YE	Yellow

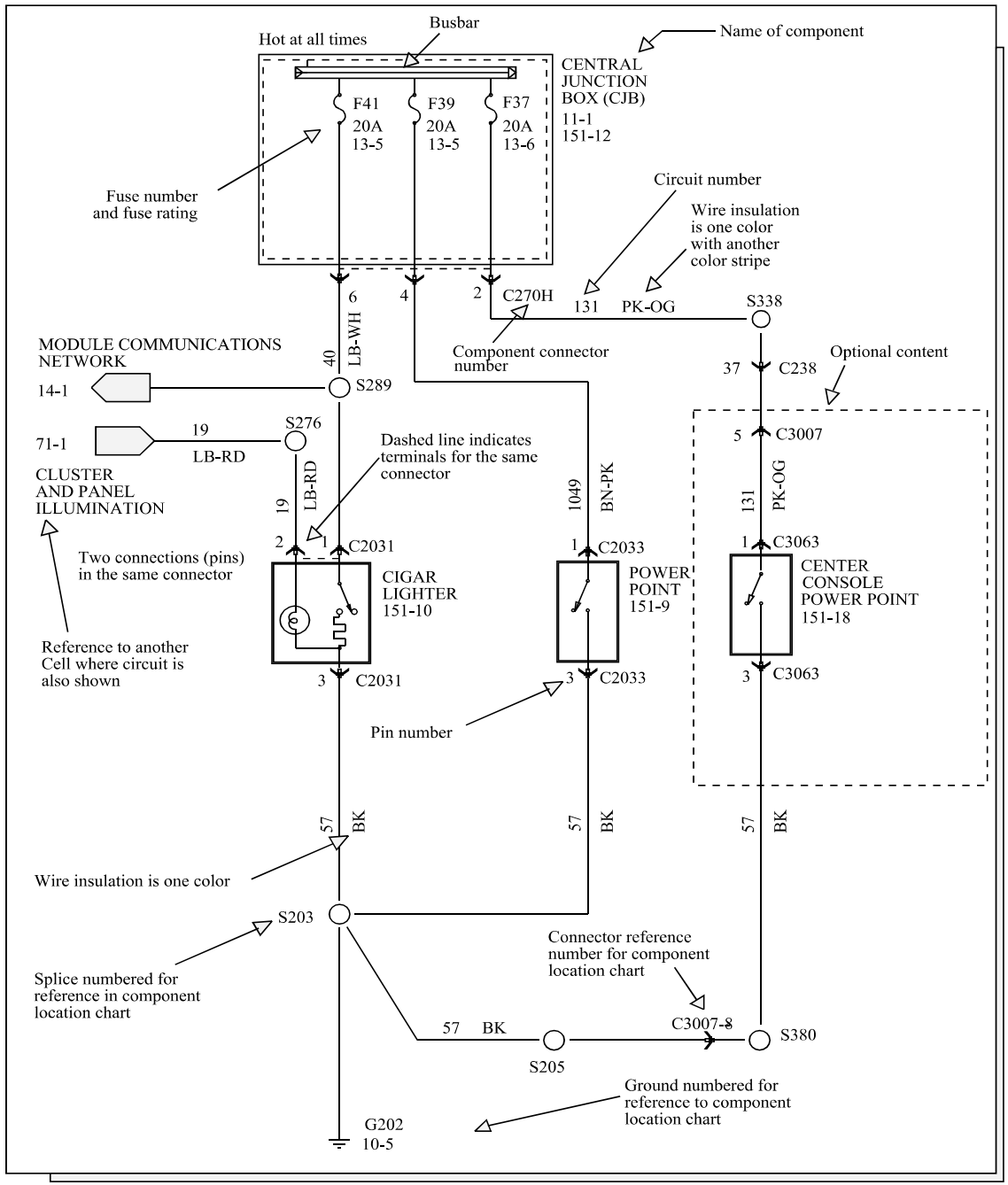





Name of component
IGNITION
SWITCH 151-10
Details of component
operation
SOL
OFF
ACC
RUN
START
KEY_IN
PWR
C250
7
C250
4
3
2
1
Component connector
number


Dashed line shows a mechanical
connection between switches
(Switches that move together)
HI
FTP
HI
FTP
LOW
LOW
MULTIFUNCTION
SWITCH
Reference description
to switch position


RELAY
Normally open contact
When coil is energized
switch is activated
SWITCH
One pole, two
position switch


Busbar
Hot at all times
Name of component
CENTRAL
JUNCTION
BOX (CJB)
11-1
151-12
F41
20A
13-5
F39
20A
13-5
F37
20A
13-6
Fuse number
and fuse rating
Circuit number
Wire insulation
is one color
with another
color stripe
6
4
2
C270H
131
PK-OG
S338
Component connector
number
MODULE COMMUNICATIONS
NETWORK
14-1
40
LB-WH
S289
37
C238
Optional content
71-1
19
LB-RD
S276
Dashed line indicates
terminals for the same
connector
5
C3007
CLUSTER
AND PANEL
ILLUMINATION
19
LB-RD
1049
BN-PK
131
PK-OG
Two connections (pins)
in the same connector
2
1
C2031
1
C2033
1
C3063
CIGAR
LIGHTER
151-10
POWER
POINT
151-9
CENTER
CONSOLE
POWER POINT
151-18
Reference to another
Cell where circuit is
also shown
3
C2031
3
C2033
3
C3063
Pin number
57
BK
57
BK
57
BK
Wire insulation is one color
S203
Connector reference
number for component
location chart
Splice numbered for
reference in component
location chart
57
BK
C3007-8
S380
S205
Ground numbered for
reference to component
location chart
G202
10-5

Each connector, ground, and splice number used in this publication references an area of the vehicle. The chart below describes the different areas of the vehicle, and lists the numbers associated with each.

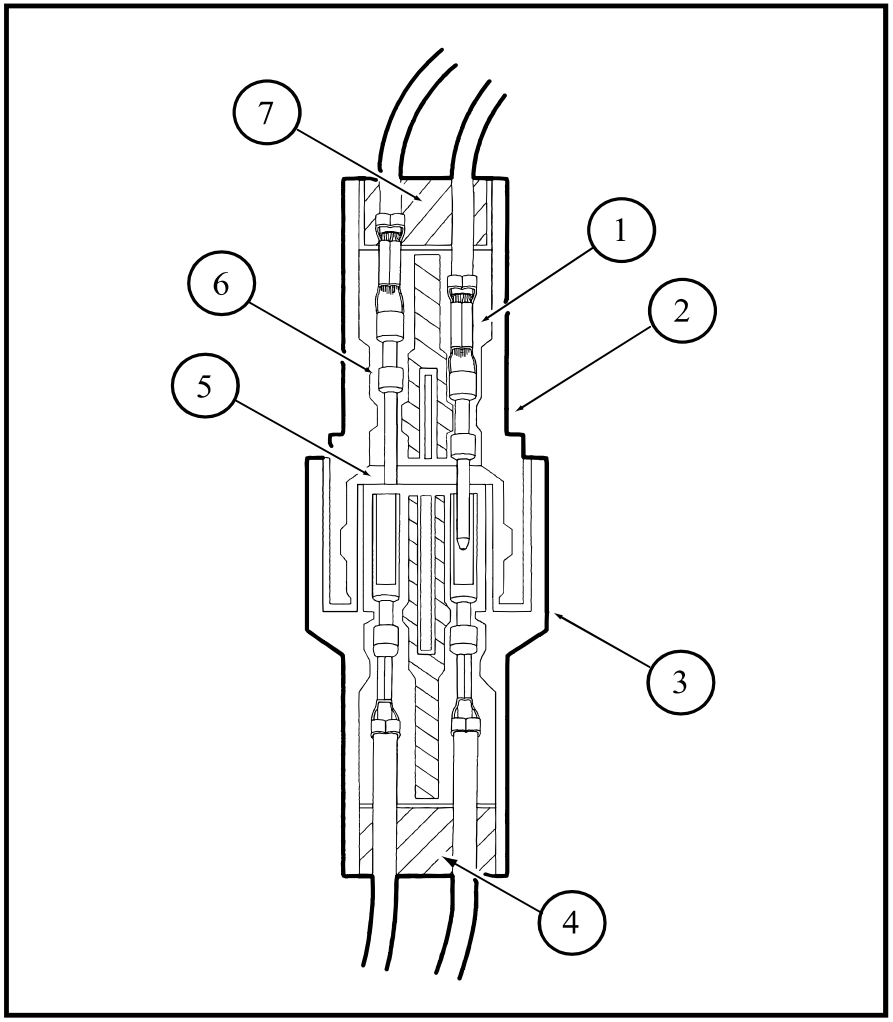
NUMBER	LOCATION
100-199 1000-1999	Engine compartment, powertrain (including transmission and front wheel drive axle/differential)
200-299 2000-2999	Instrument panel and console, steering wheel assembly
300-399 3000-3999	From instrument panel to rear seat, up to, and including, door trim panel
400-499 4000-4999	Behind rear seats to rear bumper, truck bed
500-599	Driver door
600-699	Passenger door, front
700-799	Rear door, left
800-899	Rear door, right
900-999	Above door trim panel and headliner

NOTE: Restraint system terminals should not be removed or repaired. If a restraints terminal requires service, replace the affected harness.

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.

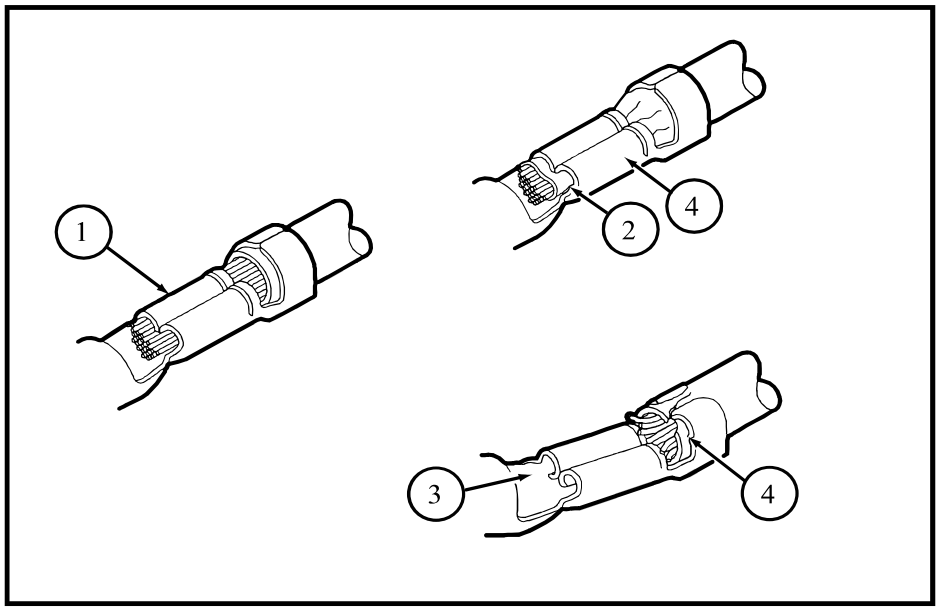
NOTE: Several components, such as the PCM, utilize gold plated terminals in their connections to the wiring harness. If those terminals need to be replaced, they must be replaced with a gold plated terminal.



Terminal not properly seated

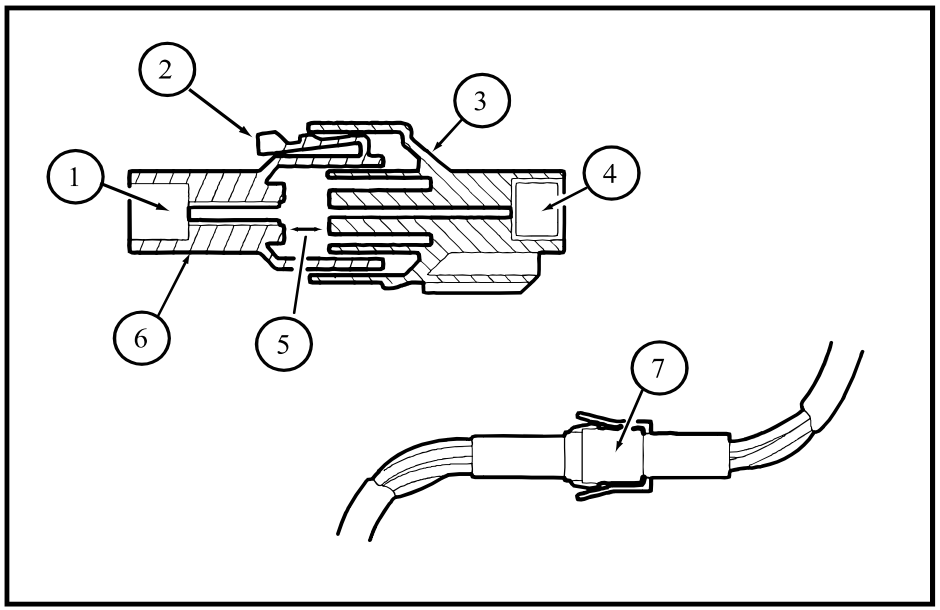
1 = Locked terminal
2 = Male half
3 = Female half
4 = Seal
5 = Intermittent contact
6 = Unlocked terminal (Hidden by wire seal)
7 = Seal

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



Defective insulation stripping

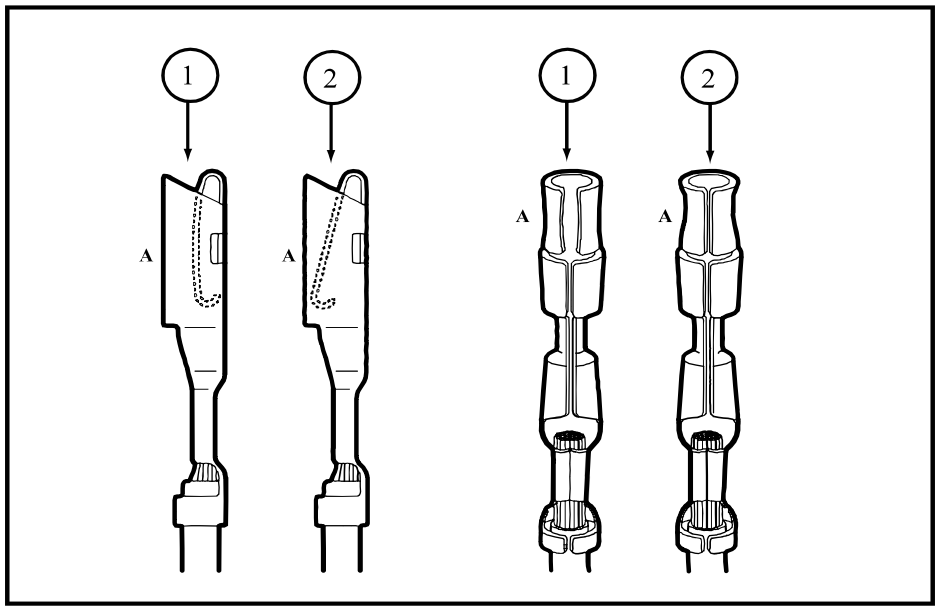
1 = Proper crimp
2 = Insulation not removed
3 = Wire strands missing
4 = Intermittent signals through pierced insulation



Partially mated connectors

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

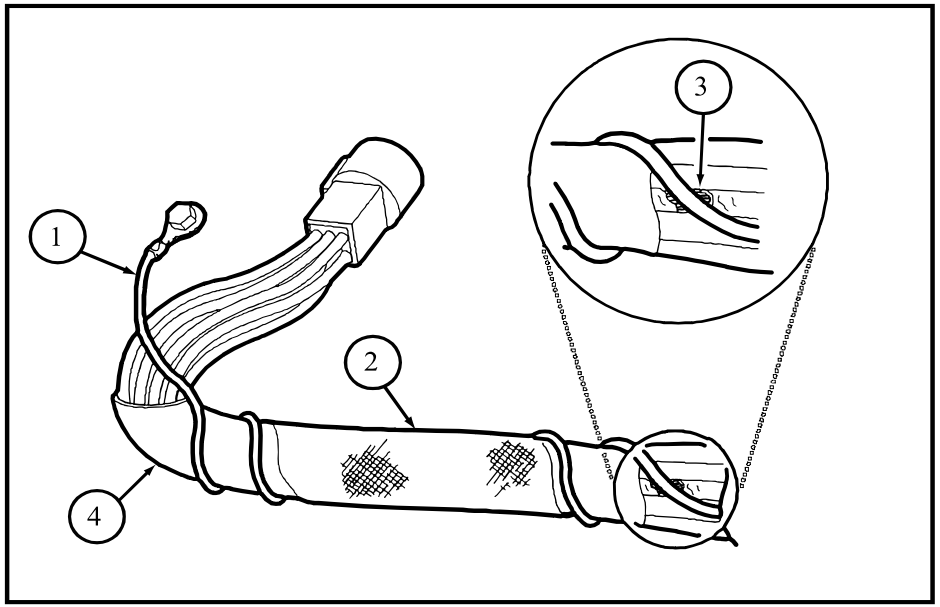
Lock may be displaced into an unlocked position; pull on the connector to verify the lock.



Deformed (enlarged) female terminals

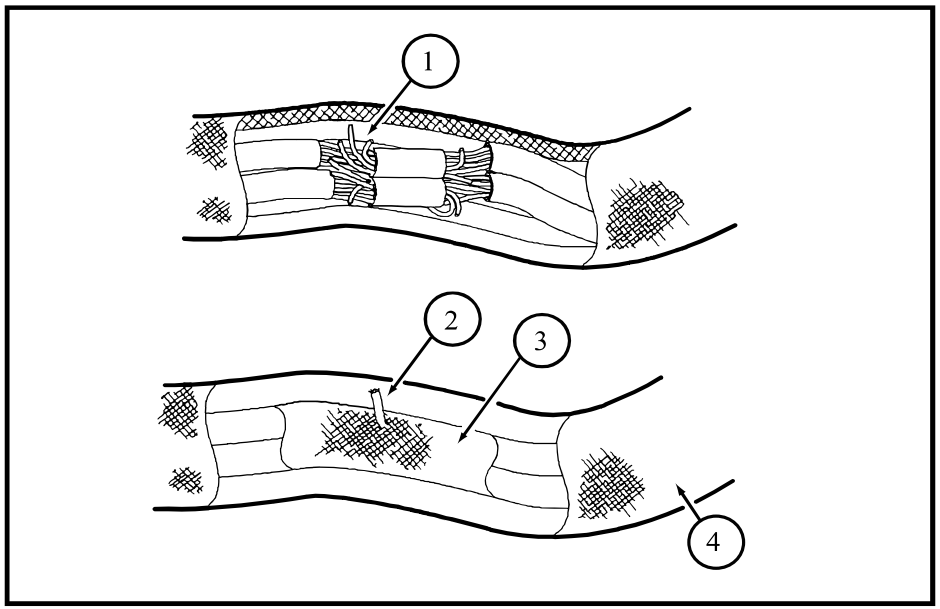
1 = Enlarged
2 = Normal

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



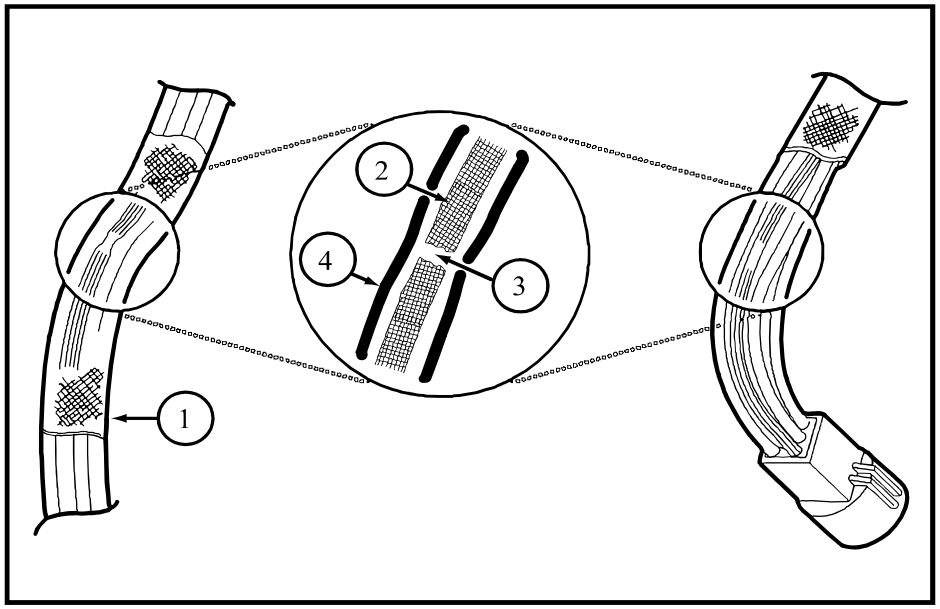
Electrical short within the harness

Splice tape removed

1 = Intermittent short

Splice covered

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

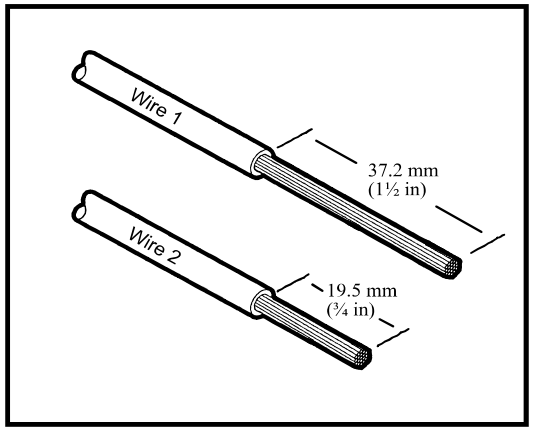


Broken wire strands in harness

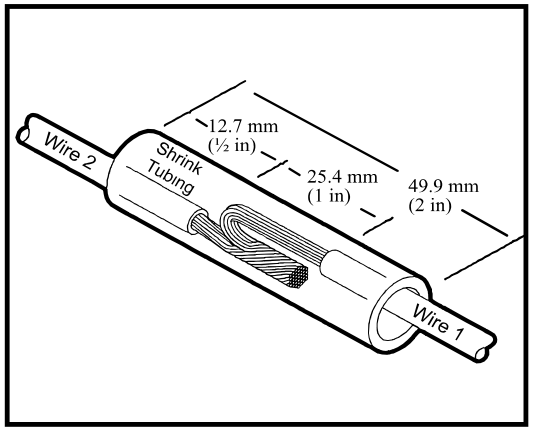
1 = Wiring harness tape
2 = Wiring strand
3 = Broken strands intermittent signal
4 = Circuit insulation

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

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

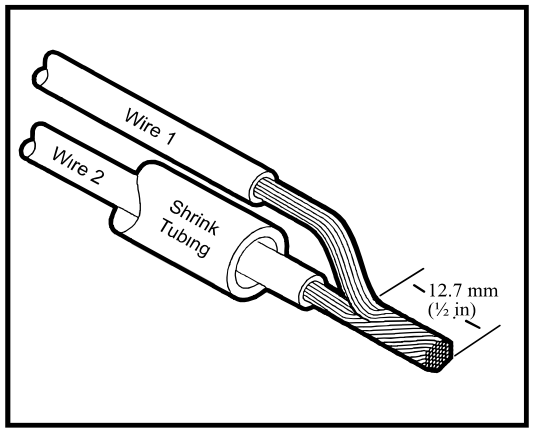


1. Disconnect battery ground cable.
2. Strip wires to appropriate length.



7. Evenly position heat shrink tubing over wire repair.

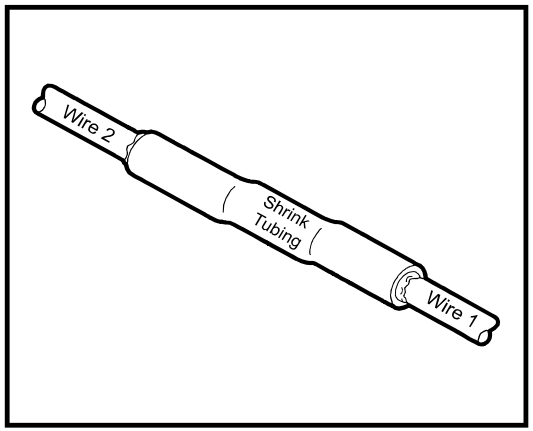
   NOTE: Overlap tubing on both wires.



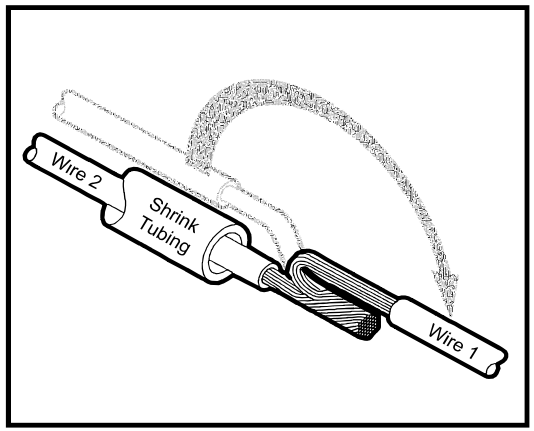
3. Install heat shrink tubing.
4. Twist wires together.
5. Solder wires together.

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

   NOTE: Use heat shrinkable tubes marked with ES-1 (16-22 GA) or ES-2 (10-18 GA) to seal wire splice.



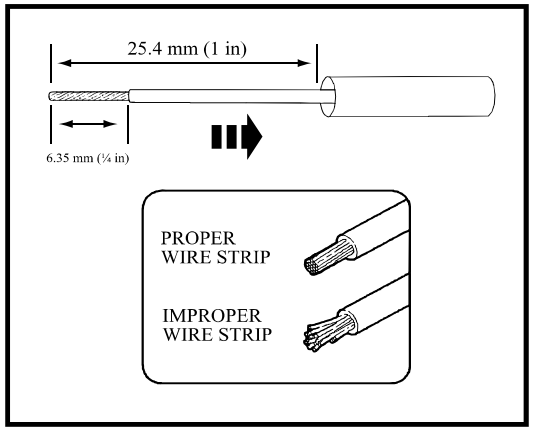
8. Use shielded heat gun to heat the repaired area until adhesive flows out of both ends of heat shrink tubing.
9. Reconnect battery ground cable.



6. Bend wire 1 back in a straight line.

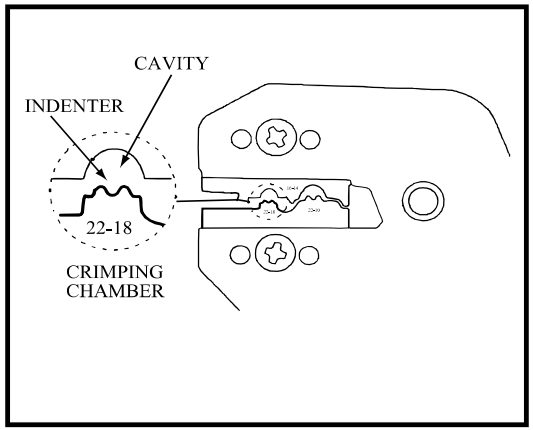
   NOTE: Wait for solder to cool before moving wires.

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



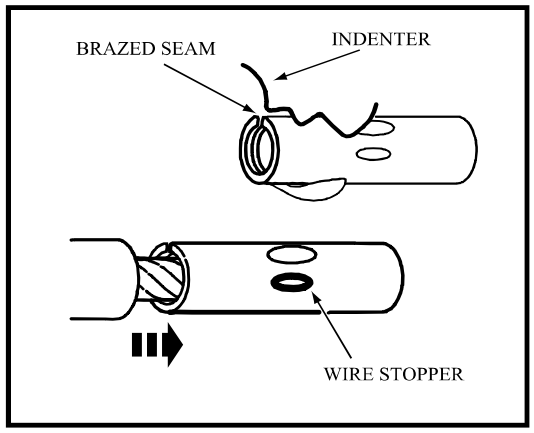
1. Disconnect battery ground cable.
2. Strip 6.35mm (1/4 in) of insulation from each wire end, taking care not to nick or cut wire strands.
3. Install heat shrink tubing.

   NOTE: Use heat shrinkable tubes marked with ES-1 (16-22 GA) or ES-2 (10-18 GA) to seal wire splice.

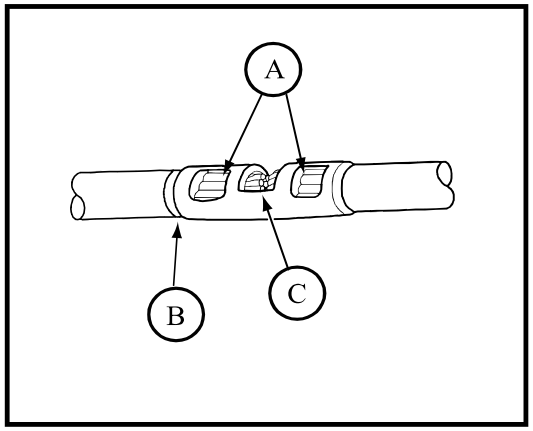


4. Select appropriate wire splice for the wires to be spliced.
5. Identify the appropriate crimping chamber on the Rotunda 164-R5901 Pro-Crimper by matching the wire size on the dies with the wire size stamped on the butt splice.

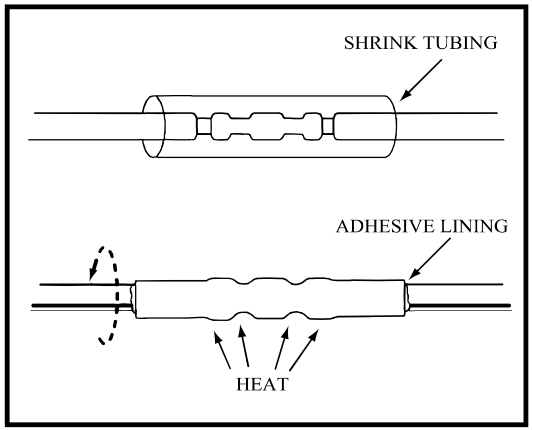
   NOTE: Rotunda 164-R5901 Pro-Crimper is the only tool that can be used with these splices.



6. Center one end of the wire splice in the appropriate crimping chamber.
7. If visible, be sure to place the brazed seam toward the indenter.
8. Insert stripped wire into the barrel.
9. Holding the wire in place, barrel squeeze tool handles appropriate ratchet releases.
10. Repeating steps 5-7, crimp the other half of the splice.



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



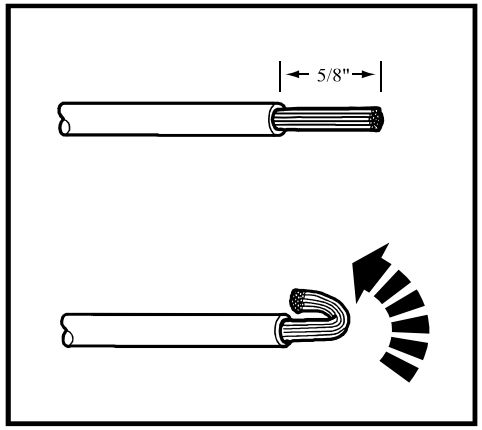
12. Evenly position supplied heat shrink tubing over wire repair.
13. Use shielded heat gun to heat the repaired area until adhesive flows out of both ends of the heat shrink tubing.
14. Reconnect battery ground cable.

This chart is to be used when pigtails or terminals are of different wire gauge than the vehicle harness.

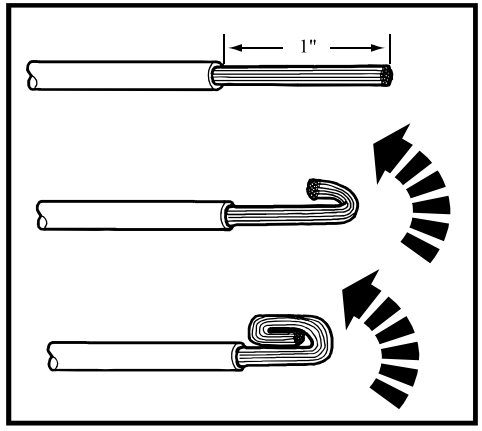
		Wire Gauge Size							
		10	**12**	14	**16**	**18**	**20**	**22**	**24**
Butt Splice as Stamped	**22-18**	Not Recommended	*1/4" strip, cut 9 strands	*1/4" strip, cut 2 strands	1/4" strip, no fold	1/4" strip, no fold	1/4" strip, no fold	5/8" strip, fold 2x dia.	1" strip, fold 3x dia.
	16-14	*1/4" strip, cut 7 strands	1/4" strip, no fold	1/4" strip, no fold	1/4" strip, no fold	5/8" strip, fold 2x dia.	1" strip, fold 3x dia.	1 1/4" strip, fold 4x dia.	Not Recommended
	12-10	1/4" strip, no fold	1/4" strip, no fold	5/8" strip, fold 2x dia.	1" strip, fold 3x dia.	1 1/4" strip, fold 4x dia.	Not Recommended	Not Recommended	Not Recommended

* Pigtail only

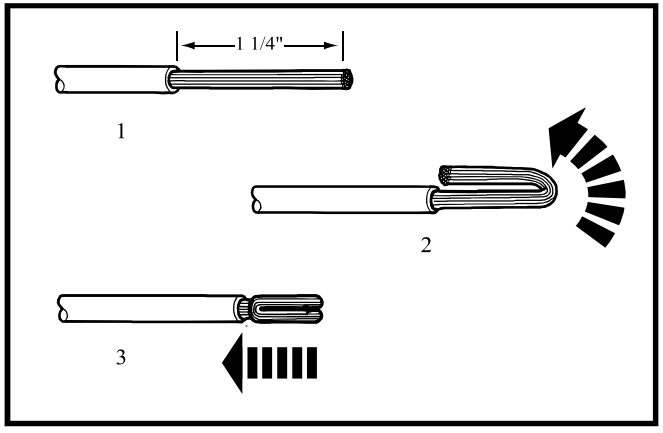
Fold 2x

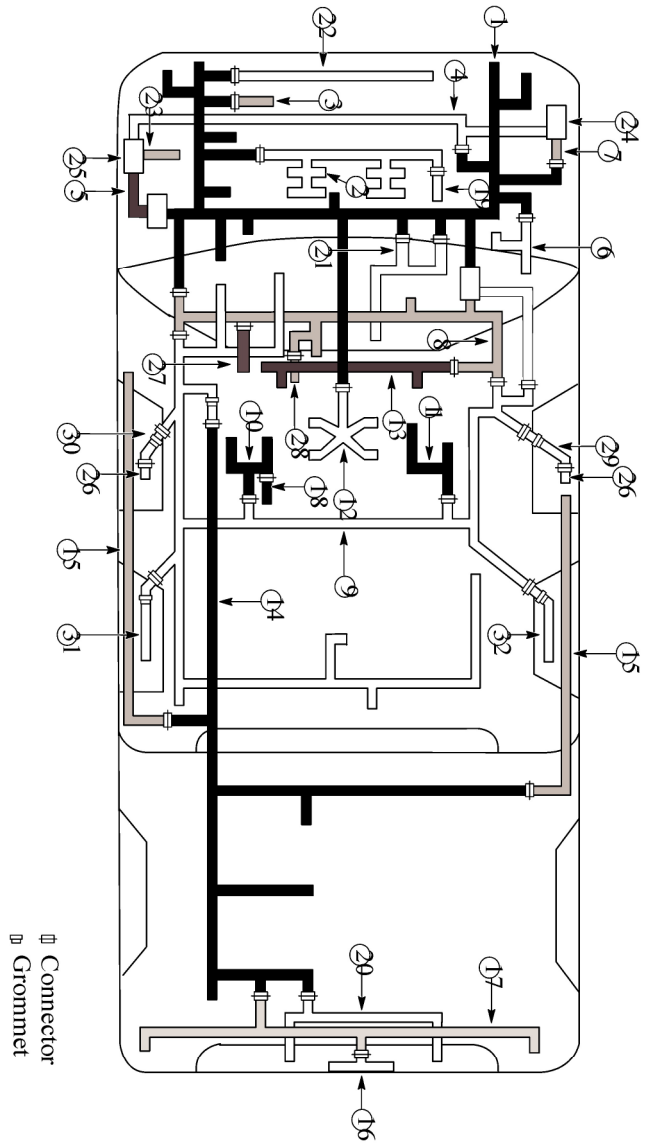


Fold 3x



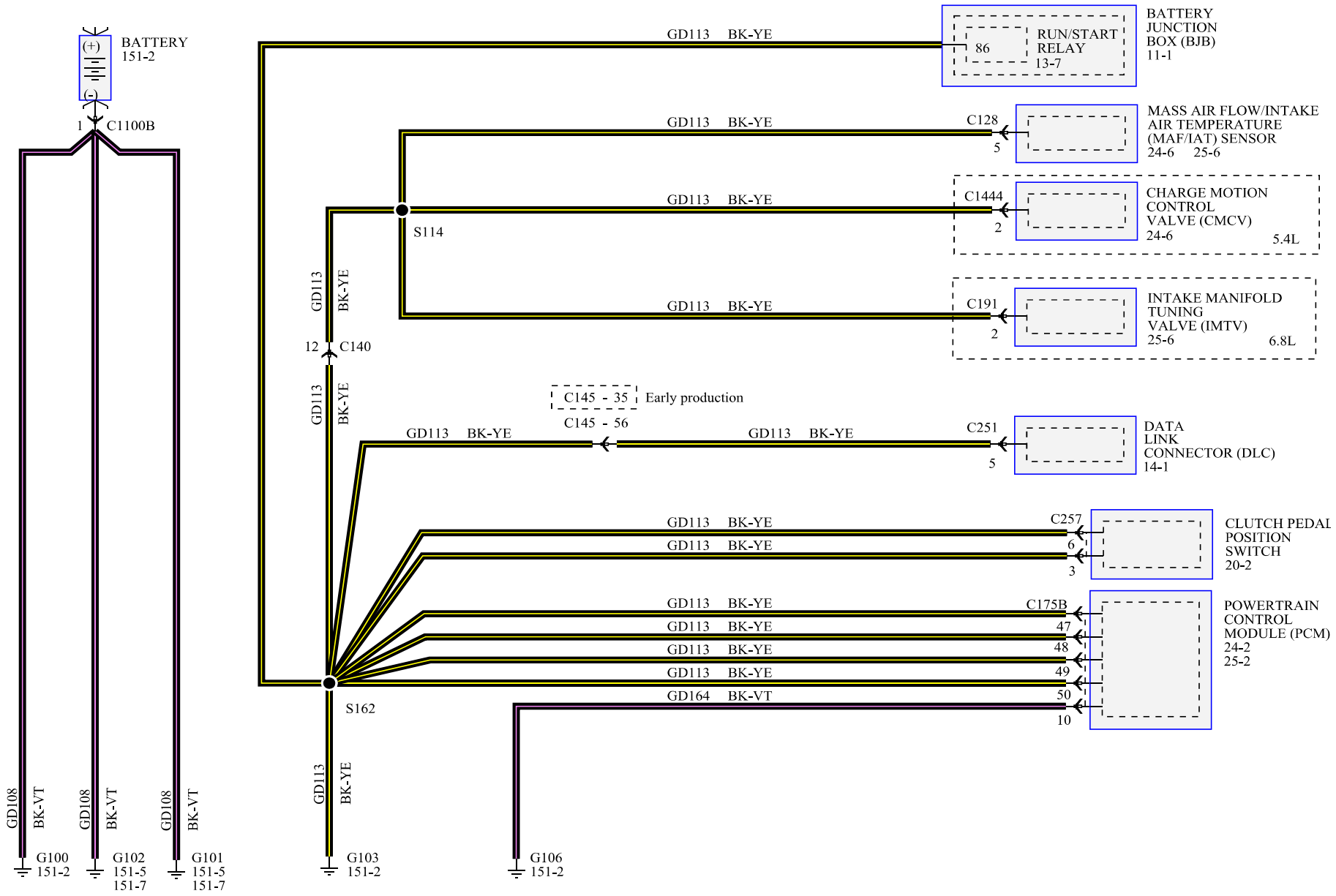
Fold 4x



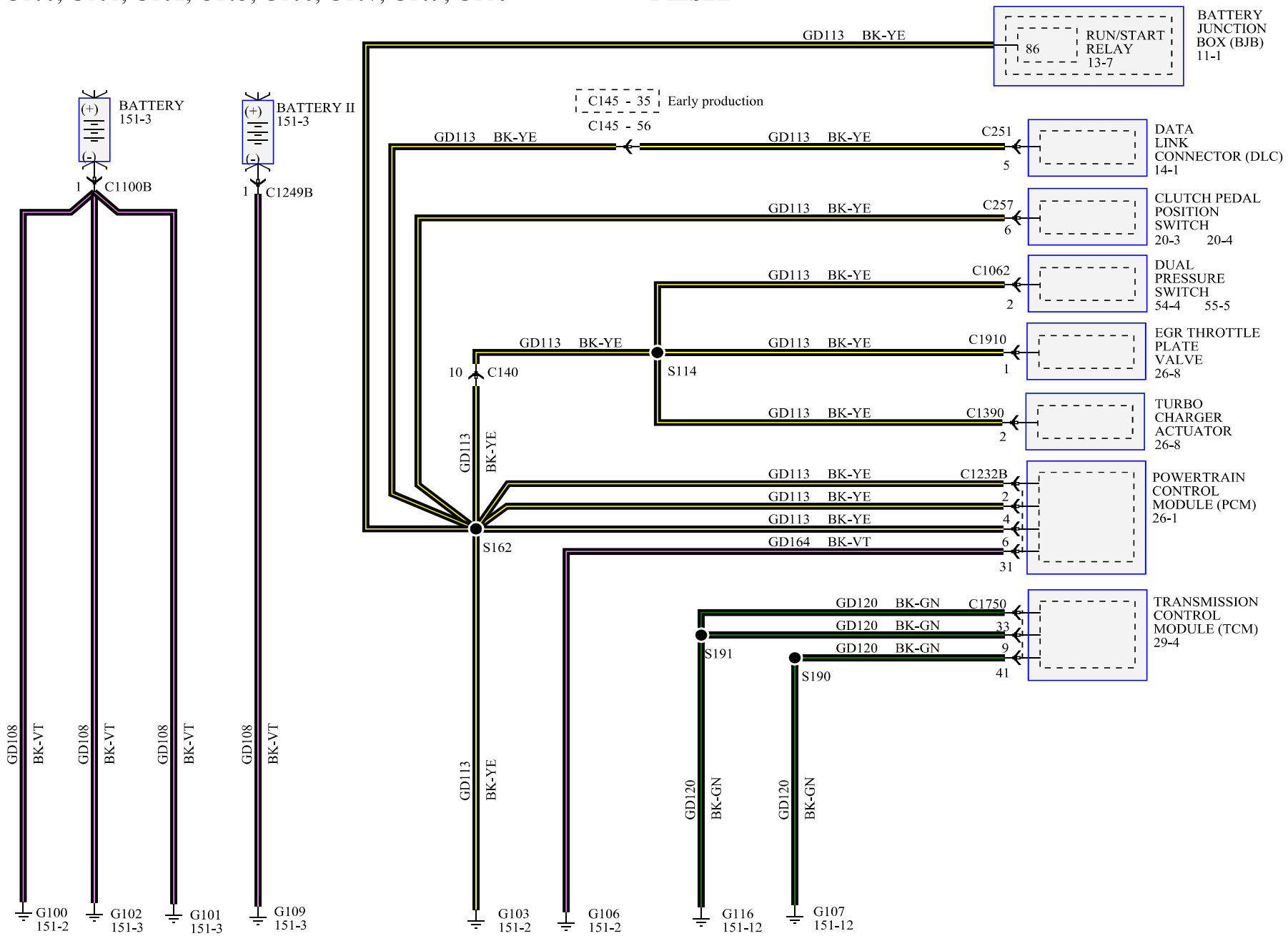

Connector
Grommet

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 sensor extension
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	Wiring harness – Main
9	14A005	Wiring harness – Body main
10	14A699	Wiring harness – Driver seat jumper
11	14B084	Wiring harness – Passenger seat jumper
12	15525	Wiring harness – Backup lamp switch to rear lamp feed
13	17C712/15A404	Wiring harness – Overhead console/Marker lamp to switch
	14334	Wiring harness – Headliner
14	14405	Wiring harness – Tail lamps
15	19F504	Wiring harness – Running board lamps
16	13412	Wiring harness – Rear license plate lamp
17	13A409	Wiring harness – Tail lamps
18	13A576	Wiring harness – Memory seat jumper
19	14B102	Wiring harness – Cylinder head temperature sensor
20	14N139	Wiring harness – Backup alarm jumper
21	15525	Wiring harness – Transmission
22	15A211	Wiring harness – Fog lamp jumper
23	14301	Wiring harness – Battery II ground cable
24	–	Battery (10655)
25	–	Battery II
26	19A123	Wiring harness – Front door speaker
27	14A413	Wiring harness – Power fold relay
28	14A303	Wiring harness – Upfitter relay
29	14630	Wiring harness – Right front door
30	14631	Wiring harness – Left front door
31	14633	Wiring harness – Left rear door
32	14632	Wiring harness – Right rear door

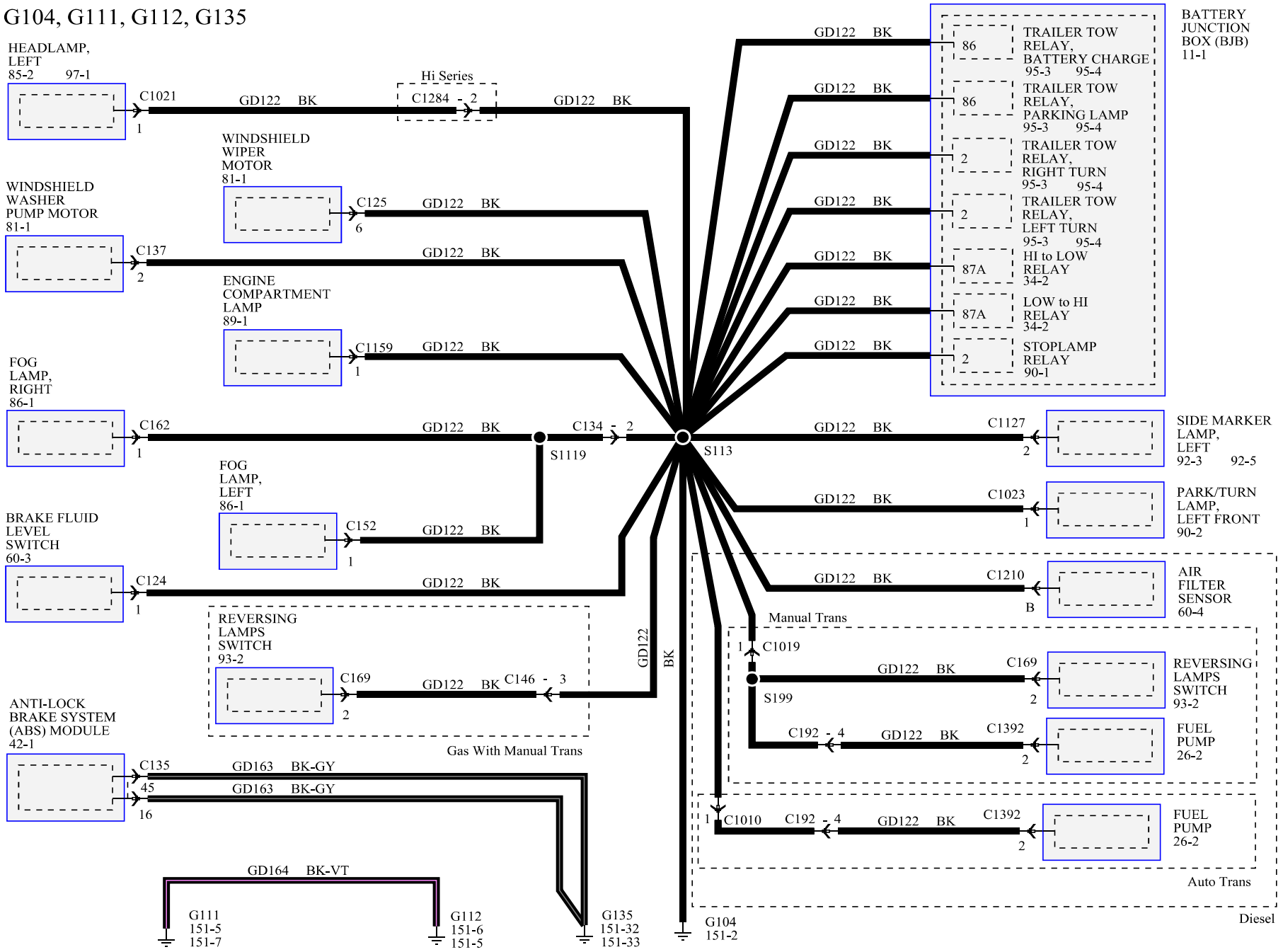
G100, G101, G102, G103, G106 GASOLINE



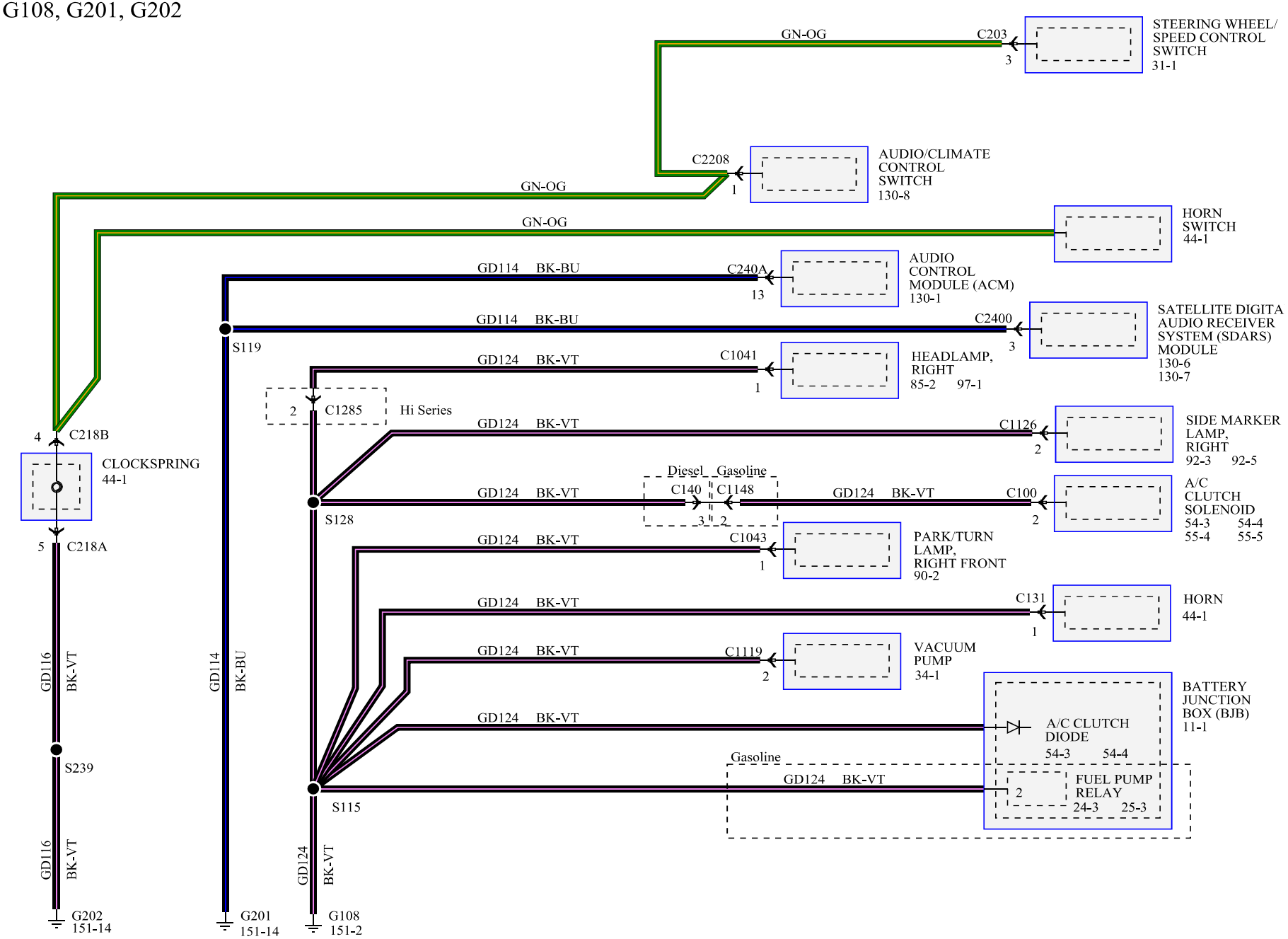
G100, G101, G102, G103, G106, G107, G109, G116 DIESEL



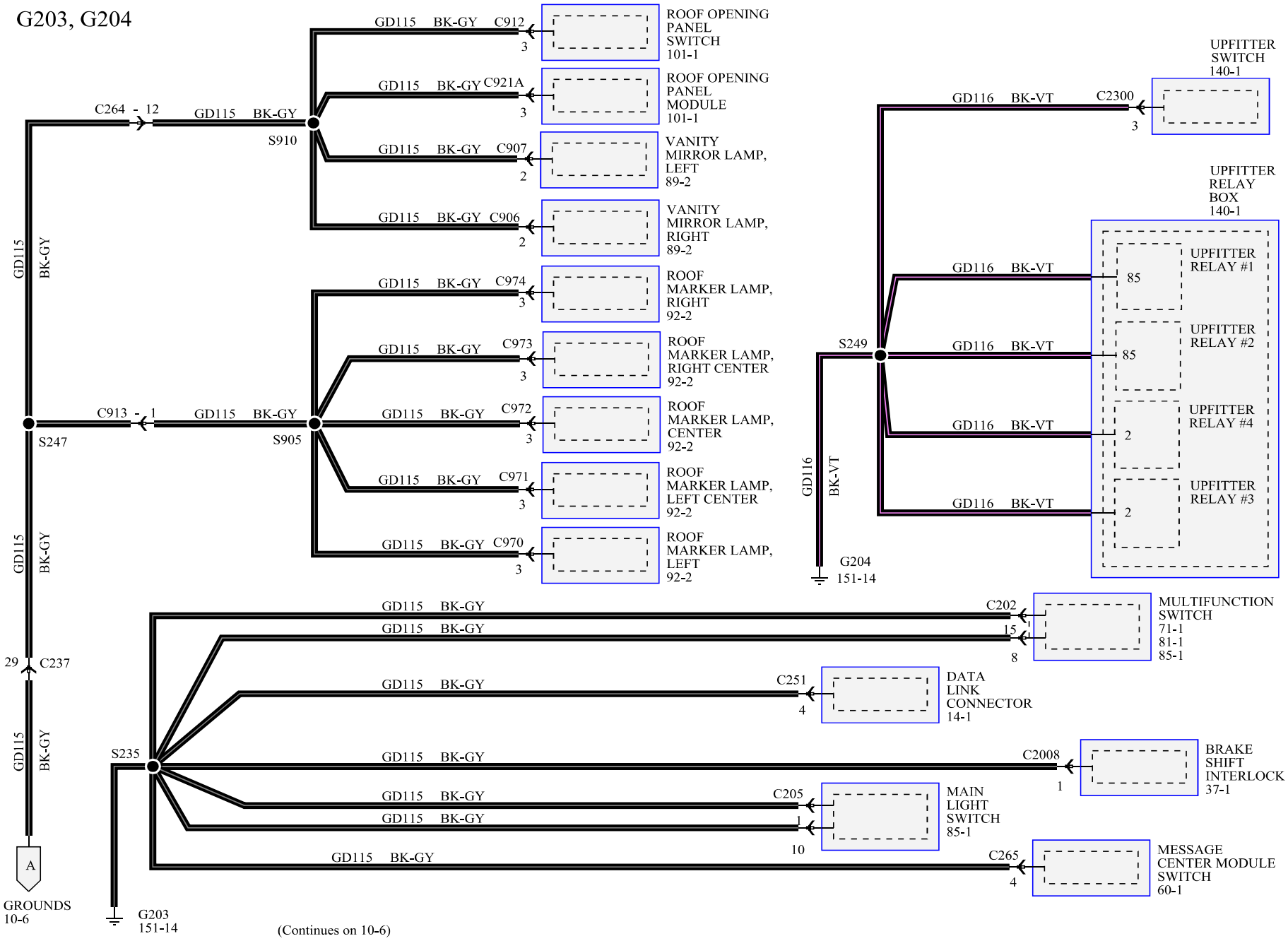
G104, G111, G112, G135



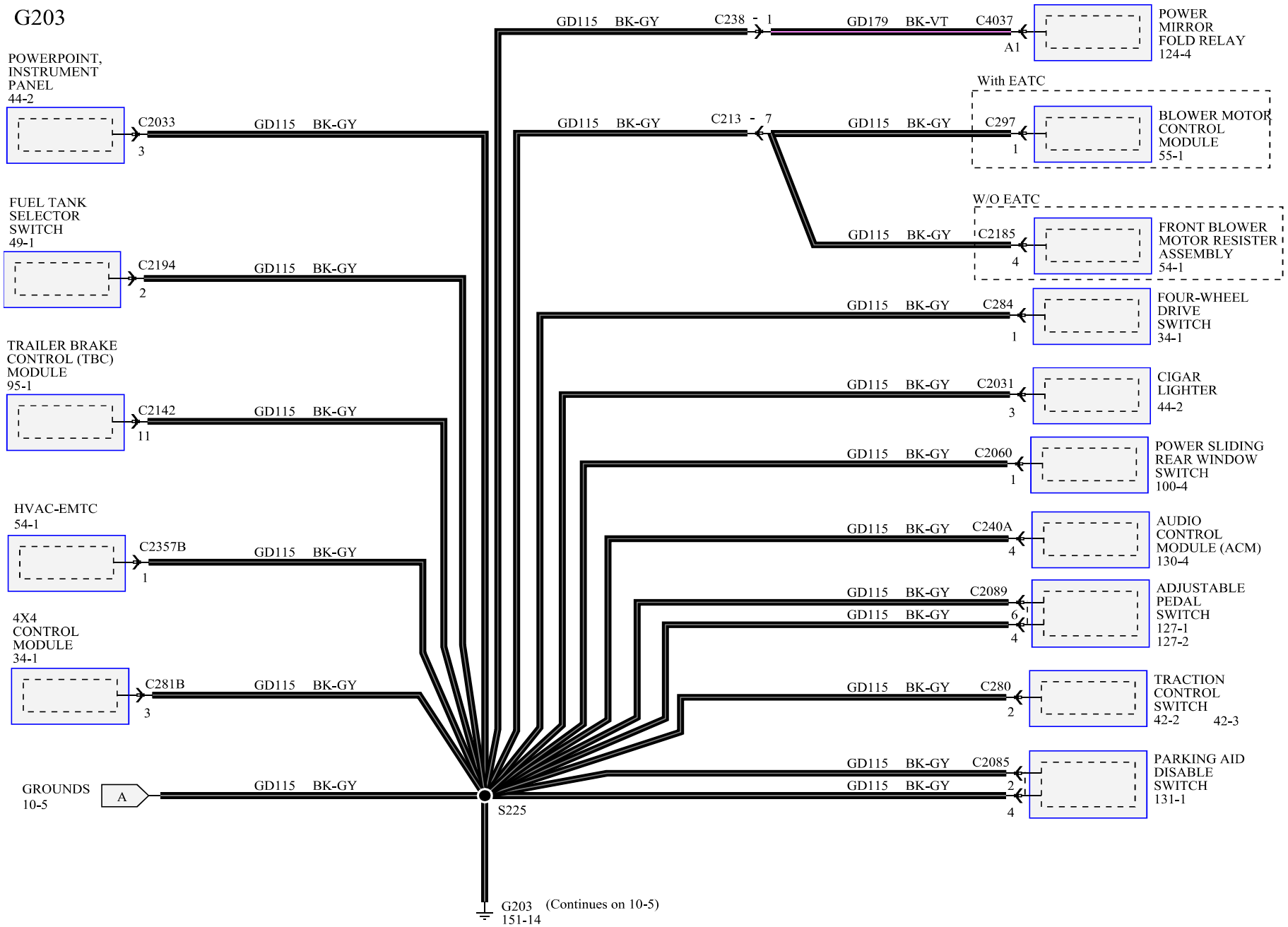
G108, G201, G202



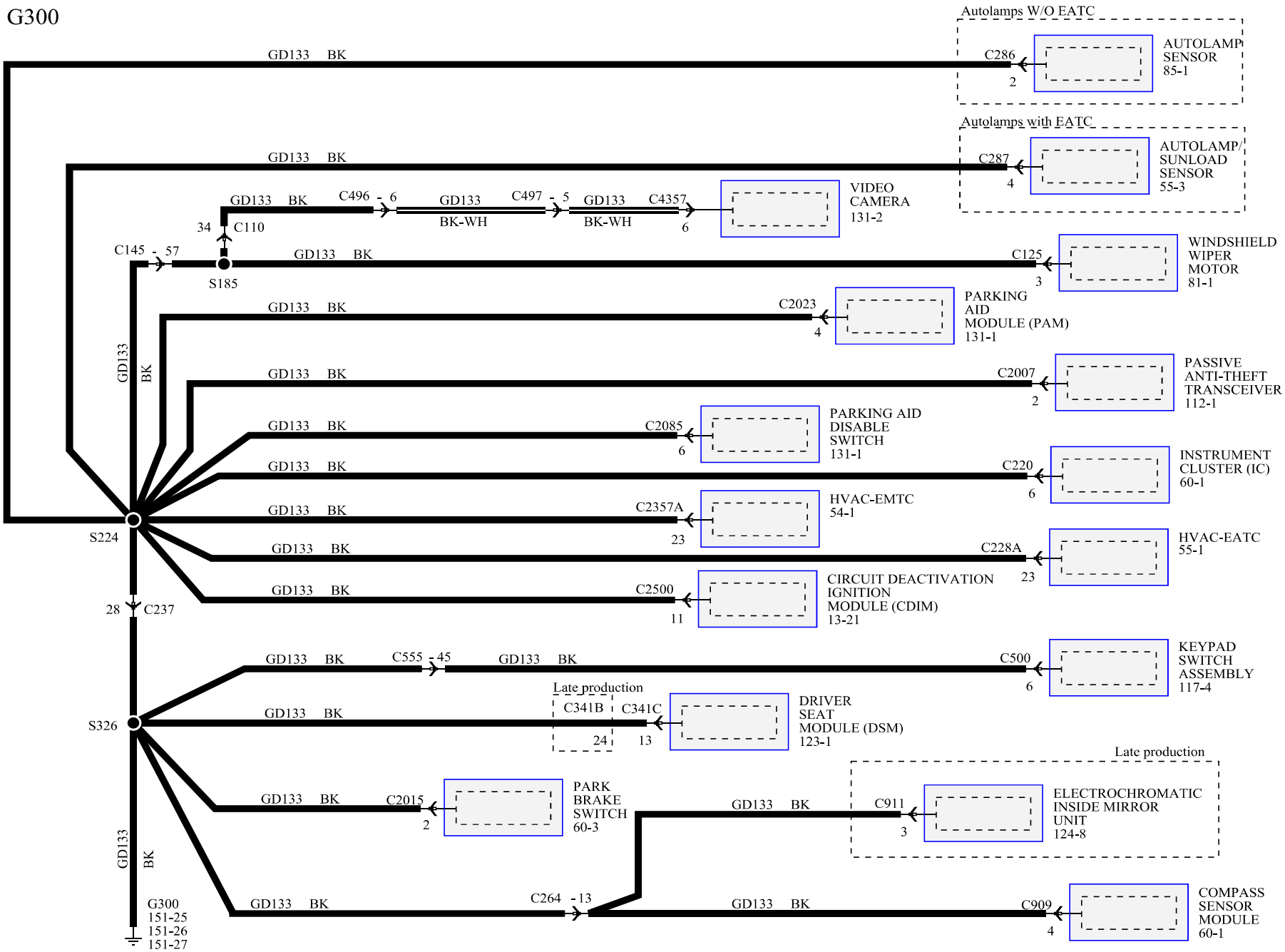
G203, G204


GD115 BK-GY C912
3
ROOF OPENING PANEL SWITCH 101-1
GD115 BK-GY C921A
3
ROOF OPENING PANEL MODULE 101-1
C264 - 12
GD115 BK-GY
S910
GD115 BK-GY C907
2
VANITY MIRROR LAMP, LEFT 89-2
GD115 BK-GY C906
2
VANITY MIRROR LAMP, RIGHT 89-2
GD115 BK-GY C974
3
ROOF MARKER LAMP, RIGHT 92-2
GD115 BK-GY C973
3
ROOF MARKER LAMP, RIGHT CENTER 92-2
C913 - 1
GD115 BK-GY
S247
S905
GD115 BK-GY C972
3
ROOF MARKER LAMP, CENTER 92-2
GD115 BK-GY C971
3
ROOF MARKER LAMP, LEFT CENTER 92-2
GD115 BK-GY C970
3
ROOF MARKER LAMP, LEFT 92-2
GD115 BK-GY
GD115 BK-GY
GD115 BK-GY
29 C237
GD115 BK-GY
A
GROUNDS 10-6
S235
G203 151-14
(Continues on 10-6)
GD116 BK-VT C2300
3
UPFITTER SWITCH 140-1
UPFITTER RELAY BOX 140-1
GD116 BK-VT
85
UPFITTER RELAY #1
GD116 BK-VT
85
UPFITTER RELAY #2
GD116 BK-VT
2
UPFITTER RELAY #4
GD116 BK-VT
2
UPFITTER RELAY #3
S249
GD116 BK-VT
G204 151-14
GD115 BK-GY C202
15
8
MULTIFUNCTION SWITCH 71-1 81-1 85-1
GD115 BK-GY
C251
4
DATA LINK CONNECTOR 14-1
GD115 BK-GY
C2008
1
BRAKE SHIFT INTERLOCK 37-1
GD115 BK-GY
GD115 BK-GY
C205
10
MAIN LIGHT SWITCH 85-1
GD115 BK-GY
C265
4
MESSAGE CENTER MODULE SWITCH 60-1

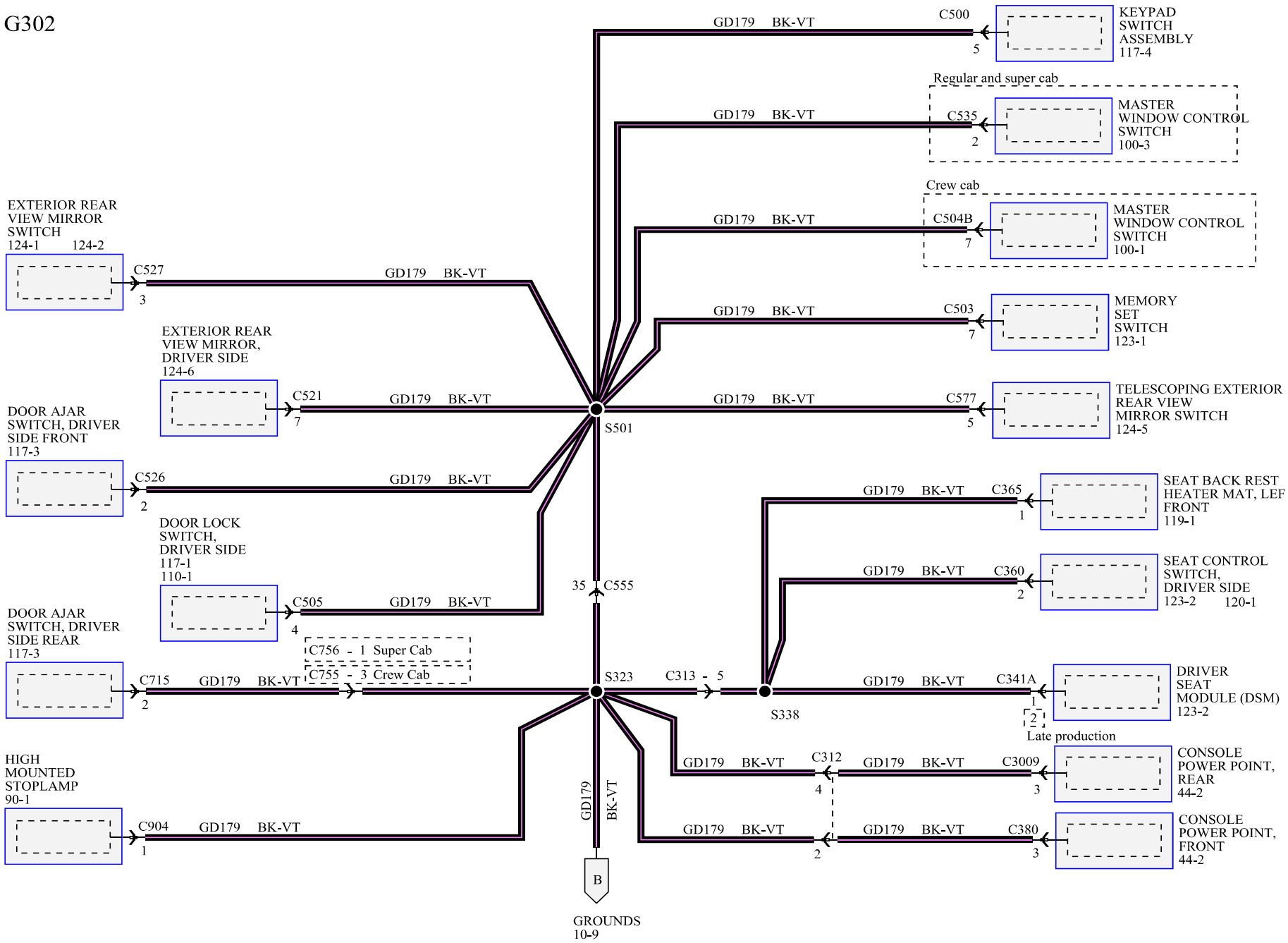
G203


POWERPOINT, INSTRUMENT PANEL 44-2
C2033
3
GD115 BK-GY
FUEL TANK SELECTOR SWITCH 49-1
C2194
2
GD115 BK-GY
TRAILER BRAKE CONTROL (TBC) MODULE 95-1
C2142
11
GD115 BK-GY
HVAC-EMTC 54-1
C2357B
1
GD115 BK-GY
4X4 CONTROL MODULE 34-1
C281B
3
GD115 BK-GY
GROUNDS 10-5
A
GD115 BK-GY
S225
G203 151-14
(Continues on 10-5)
GD115 BK-GY
C238 - 1
GD179 BK-VT
C4037
A1
POWER MIRROR FOLD RELAY 124-4
With EATC
GD115 BK-GY
C213 - 7
GD115 BK-GY
C297
1
BLOWER MOTOR CONTROL MODULE 55-1
W/O EATC
GD115 BK-GY
C2185
4
FRONT BLOWER MOTOR RESISTER ASSEMBLY 54-1
GD115 BK-GY
C284
1
FOUR-WHEEL DRIVE SWITCH 34-1
GD115 BK-GY
C2031
3
CIGAR LIGHTER 44-2
GD115 BK-GY
C2060
1
POWER SLIDING REAR WINDOW SWITCH 100-4
GD115 BK-GY
C240A
4
AUDIO CONTROL MODULE (ACM) 130-4
GD115 BK-GY
C2089
1
GD115 BK-GY
6
GD115 BK-GY
4
ADJUSTABLE PEDAL SWITCH 127-1 127-2
GD115 BK-GY
C280
2
TRACTION CONTROL SWITCH 42-2 42-3
GD115 BK-GY
C2085
2
GD115 BK-GY
4
PARKING AID DISABLE SWITCH 131-1

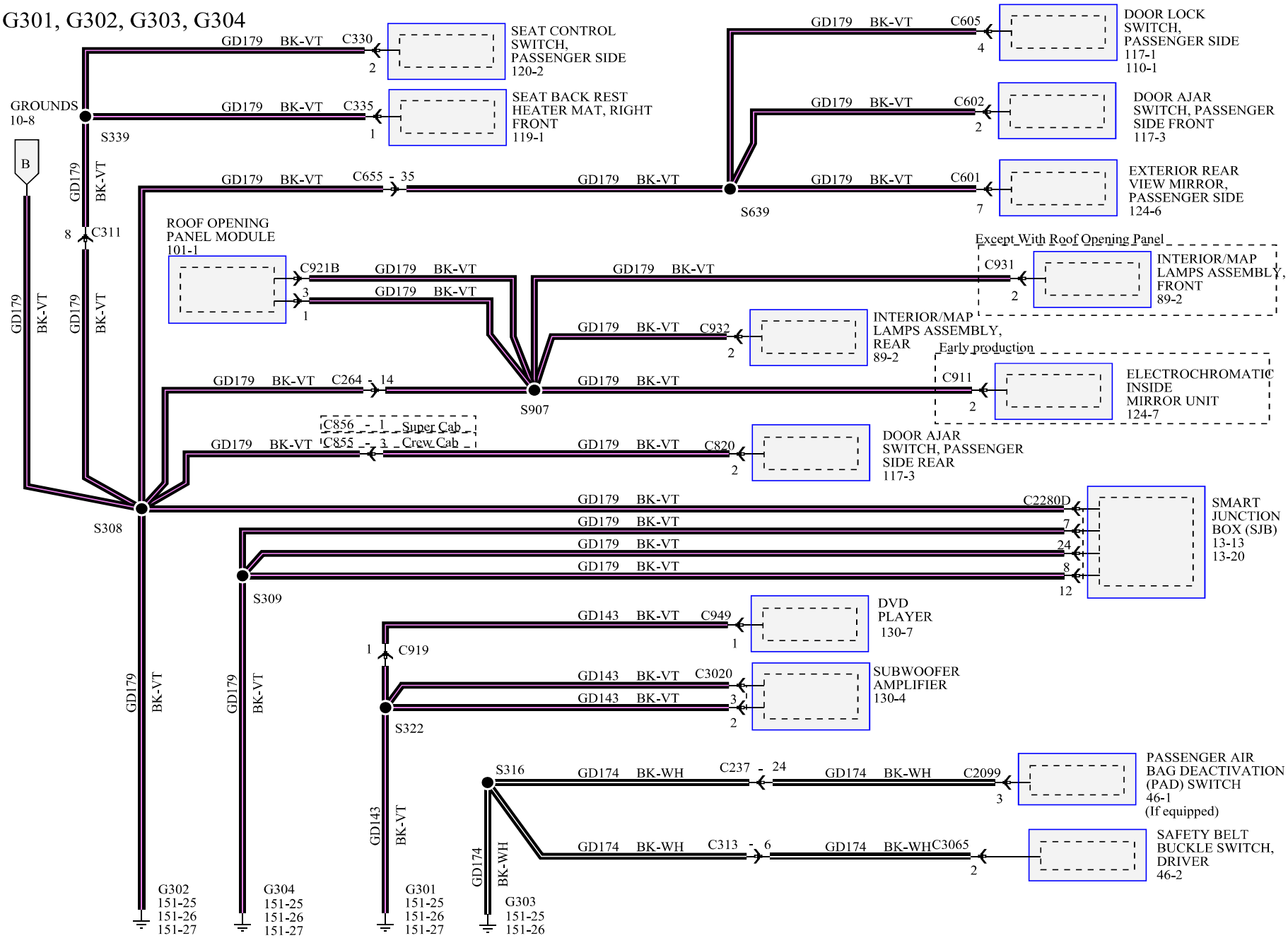
G300


Autolamps W/O EATC
C286
2
AUTOLAMP SENSOR 85-1
Autolamps with EATC
C287
4
AUTOLAMP/SUNLOAD SENSOR 55-3
GD133 BK
C496 - 6
GD133 BK-WH
C497 - 5
GD133 BK-WH
C4357
6
VIDEO CAMERA 131-2
34 C110
C145 - 57
S185
C125
3
WINDSHIELD WIPER MOTOR 81-1
C2023
4
PARKING AID MODULE (PAM) 131-1
C2007
2
PASSIVE ANTI-THEFT TRANSCEIVER 112-1
C2085
6
PARKING AID DISABLE SWITCH 131-1
C220
6
INSTRUMENT CLUSTER (IC) 60-1
C2357A
23
HVAC-EMTC 54-1
C228A
23
HVAC-EATC 55-1
C2500
11
CIRCUIT DEACTIVATION IGNITION MODULE (CDIM) 13-21
S224
28 C237
C555 - 45
C500
6
KEYPAD SWITCH ASSEMBLY 117-4
Late production
C341B
C341C
24
13
DRIVER SEAT MODULE (DSM) 123-1
S326
C2015
2
PARK BRAKE SWITCH 60-3
Late production
C911
3
ELECTROCHROMATIC INSIDE MIRROR UNIT 124-8
C264 - 13
C909
4
COMPASS SENSOR MODULE 60-1
G300
151-25
151-26
151-27

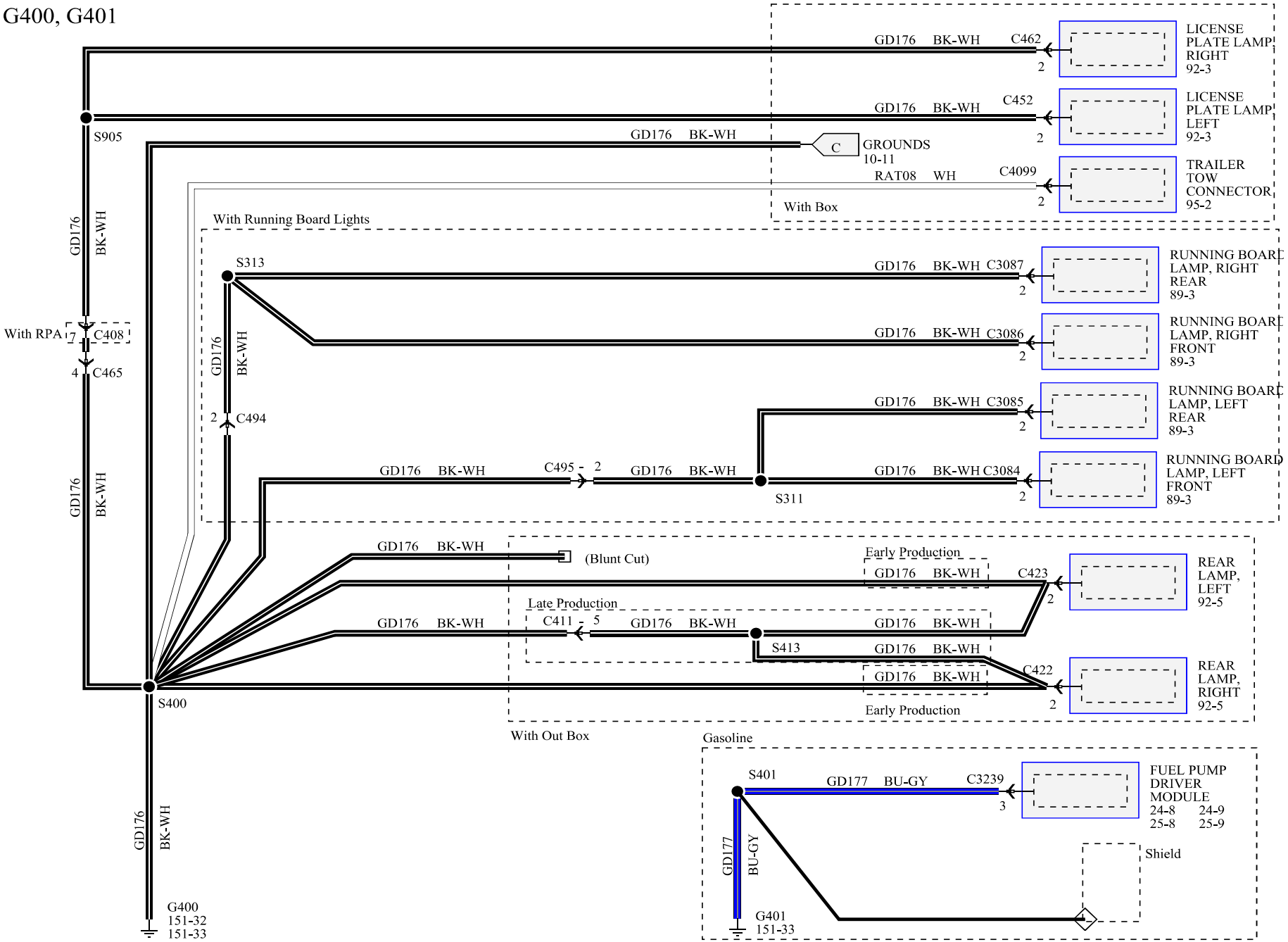
G302


KEYPAD SWITCH ASSEMBLY 117-4
C500
GD179 BK-VT
5
Regular and super cab
MASTER WINDOW CONTROL SWITCH 100-3
C535
GD179 BK-VT
2
Crew cab
MASTER WINDOW CONTROL SWITCH 100-1
C504B
GD179 BK-VT
7
MEMORY SET SWITCH 123-1
C503
GD179 BK-VT
7
TELESCOPING EXTERIOR REAR VIEW MIRROR SWITCH 124-5
C577
GD179 BK-VT
5
EXTERIOR REAR VIEW MIRROR SWITCH 124-1 124-2
C527
GD179 BK-VT
3
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE 124-6
C521
GD179 BK-VT
7
DOOR AJAR SWITCH, DRIVER SIDE FRONT 117-3
C526
GD179 BK-VT
2
DOOR LOCK SWITCH, DRIVER SIDE 117-1 110-1
C505
GD179 BK-VT
4
DOOR AJAR SWITCH, DRIVER SIDE REAR 117-3
C715
GD179 BK-VT
2
HIGH MOUNTED STOPLAMP 90-1
C904
GD179 BK-VT
1
S501
35 C555
C756 - 1 Super Cab
C755 - 3 Crew Cab
S323
C313 - 5
S338
SEAT BACK REST HEATER MAT, LEF FRONT 119-1
C365
GD179 BK-VT
1
SEAT CONTROL SWITCH, DRIVER SIDE 123-2 120-1
C360
GD179 BK-VT
2
DRIVER SEAT MODULE (DSM) 123-2
C341A
GD179 BK-VT
1
2
Late production
CONSOLE POWER POINT, REAR 44-2
C312
C3009
GD179 BK-VT
4
3
CONSOLE POWER POINT, FRONT 44-2
C380
GD179 BK-VT
2
3
GD179
BK-VT
B
GROUNDS 10-9

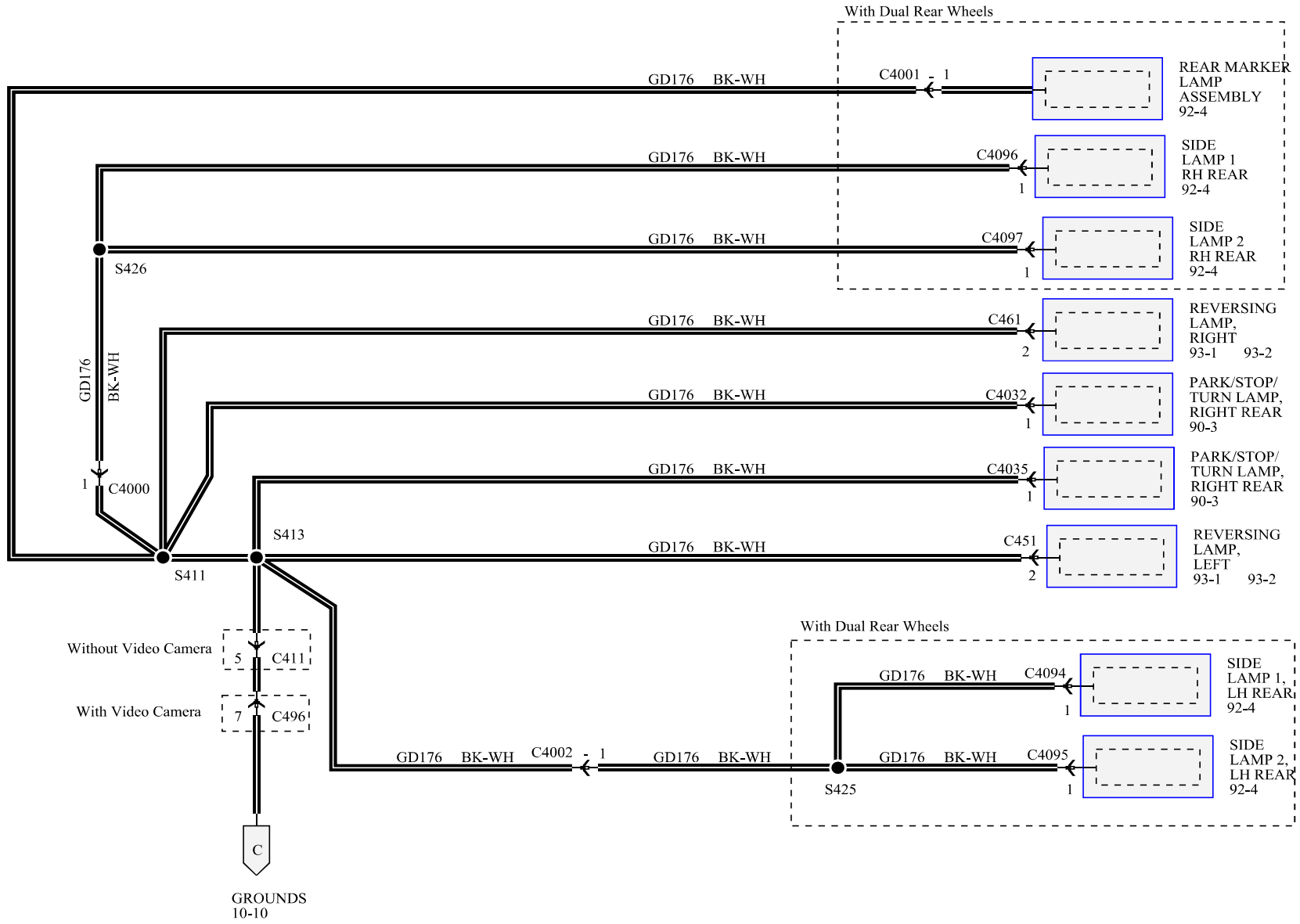
G301, G302, G303, G304



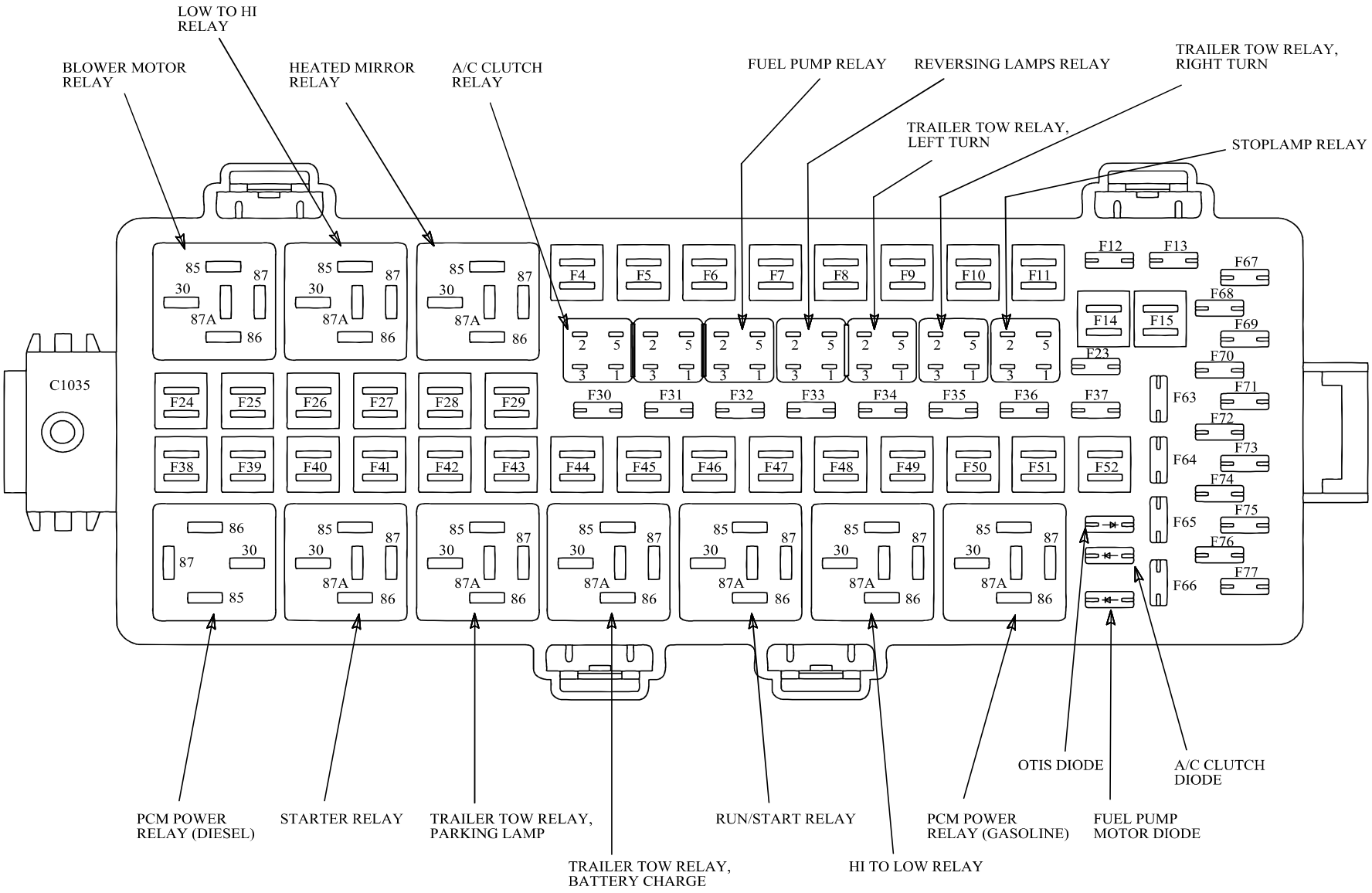
G400, G401


GD176 BK-WH C462 2
LICENSE PLATE LAMP RIGHT 92-3
GD176 BK-WH C452 2
LICENSE PLATE LAMP LEFT 92-3
GD176 BK-WH
C
GROUNDS 10-11
RAT08 WH C4099 2
TRAILER TOW CONNECTOR 95-2
With Box
S905
GD176 BK-WH
With Running Board Lights
S313
GD176 BK-WH C3087 2
RUNNING BOARD LAMP, RIGHT REAR 89-3
GD176 BK-WH C3086 2
RUNNING BOARD LAMP, RIGHT FRONT 89-3
GD176 BK-WH C3085 2
RUNNING BOARD LAMP, LEFT REAR 89-3
GD176 BK-WH C3084 2
RUNNING BOARD LAMP, LEFT FRONT 89-3
With RPA
7 C408
4 C465
2 C494
GD176 BK-WH C495 2 GD176 BK-WH
S311
GD176 BK-WH
(Blunt Cut)
Early Production
GD176 BK-WH C423 2
REAR LAMP, LEFT 92-5
Late Production
C411 5 GD176 BK-WH
GD176 BK-WH
S413
GD176 BK-WH
GD176 BK-WH C422 2
REAR LAMP, RIGHT 92-5
Early Production
S400
With Out Box
Gasoline
S401
GD177 BU-GY C3239 3
FUEL PUMP DRIVER MODULE 24-8 24-9 25-8 25-9
Shield
GD177 BU-GY
G401 151-33
GD176 BK-WH
G400 151-32 151-33

G400; With Box



BATTERY JUNCTION BOX (BJB)



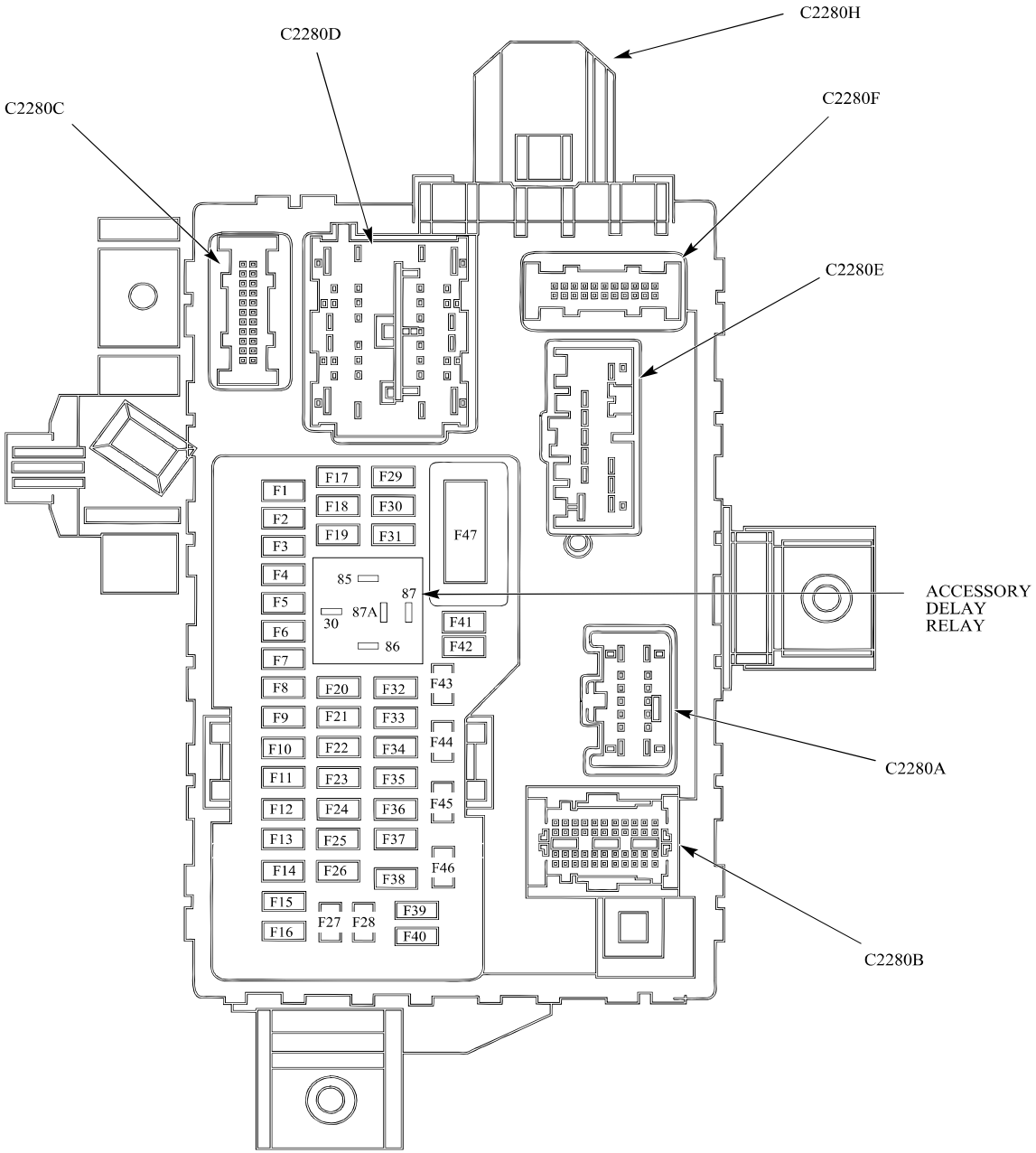
Battery Junction Box (BJB)

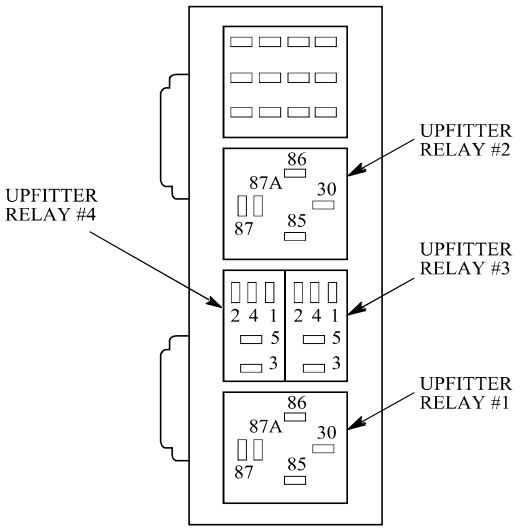
Fuse/Relay Location	Fuse Amp Rating	Battery Junction Box (BJB) Description
F4	--	SPARE
F5	30A *	Trailer Control Brake
F6	40A *	ABS
F7	30A *	Upfitter #1
F8	30A *	Upfitter #2
F9	40A *	ABS(Coil)
F10	20A *	Cigar Lighter
F11	20A *	IP Power Point
F12	15A **	BOO Relay
F13	5A **	BOO Switch, BOO Relay, SJB, PCM, 4x4
F14	--	SPARE
F15	--	SPARE
F23	15A **	Heated Mirrors
F24	40A *	Blower Motor Relay
F25	--	SPARE
F26	30A *	Lo to Hi ESOF Relay
F27	50A *	GPCM (Diesel)
F28	20A *	Heated Mirror Relay
F29	30A *	Passenger Power Seat
F30	10A **	A/C Clutch Relay
F31	15A **	Power Fold Mirror Relay
F32	20A **	Fuel Pump Relay
F33	20A **	Reversing Lamp Relay
F34	25A **	Trailer Stop/Turn Lamps Relay
F35	5A **	ESOF Relay Coils
F36	10A **	PCM K-A (Gas), Canister Vent (Gas), PCM K-A (Diesel)
F37	10A **	TCM K-A (Diesel)
F38	--	SPARE
F39	50A*	PCM (Diesel)

Fuse/Relay Location	Fuse Amp Rating	Battery Junction Box (BJB) Description
F40	30A *	Starter Relay
F41	20A*	Power Point (Front Console)
F42	30A*	Trailer Park Lamp Relay
F43	20A*	Power Point (Rear Console)
F44	30A*	Trailer Battery Charge Relay
F45	30A*	Left Power Seat or Memory Module
F46	40A*	RUN/START Relay
F47	50A*	(Diesel) GPCM2
F48	30A*	Hi to Lo ESOF Relay
F49	30A*	Wiper Motor
F50	30A*	PCM Relay Coil, PCM Relay
F51	--	SPARE
F52	--	SPARE
F63	15A**	TT Backup Lamps
F64	5A**	Mirror Marker lamps
F65	--	SPARE
F66	--	SPARE
F67	--	SPARE
F68	--	SPARE
F69	--	SPARE
F70	10A**	(GAS) VPWR3: Relay Coils (A/C Clutch & B/U Lamp), RCS SW, HPCV (Diesel) VPWR3: Relay Coils (HFCM, A/C Clutch, B/U Lamp), Clutch SW, Fuel Pump Cooler, A/C Pressure SW
F71	5A**	Fuel Pump Relay Coil
F72	15A**	(GAS) VPWR4: Ignition Coils (Diesel) VPWR4: TCM
F73	2A**	Video Camera
F74	20A**	(GAS) VPWR2: HEGO, CMS, MAFS, EVMC, CMCV, IMTV, ESM (DIESEL) VPWR2: Navistar Engine Load
F75	5A**	Back - Up Lamp Relay
F76	20A**	VPWRI: PCM
F77	10A**	ABS Module Logic Power

*Mini fuse **Cartridge fuse

SMART JUNCTION BOX (SJB)





UPFITTER RELAY BOX

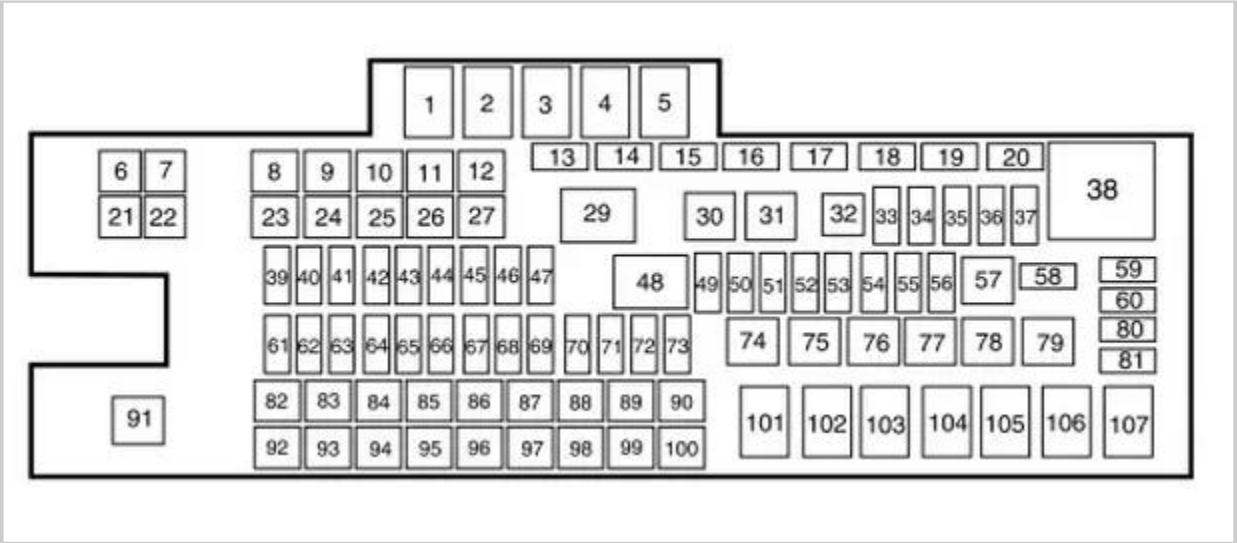
Smart Junction Box (SJB)

Fuse/Relay Location	Fuse Amp Rating	Smart Junction Box Description
1	30A	SPARE
2	15A	SPARE
3	15A	Family Entertainment System
4	30A	SPARE
5	10A	Keypad Illunination, Brake Shift Interlock
6	20A	Turn Signals
7	10A	Left Headlamp (Low Beam)
8	10A	Right Headlamp (Low Beam)
9	15A	Interior Lighting
10	15A	Running Board Lamps, High Mounted Stoplamp, Illumination
11	10	SPARE
12	7.5A	Power Mirror Switch, Driver Seat
13	7.5A	SPARE
14	10A	Upfitter Relay #3 Feed
15	10A	Climate Control Head
16	15A	Upfitter Relay #4 Feed
17	20A	Power Lock Motor Feeds
18	20A	Heated Seat Relay Feed
19	25A	SPARE
20	15A	Adjustable Pedal/Datalink
21	15A	Foglamp Relay Feed, Cornering Lamps
22	15A	Park Lamp Relay Feed
23	15A	High Beam Headlamp Relay Feed
24	20A	Horn Relay Feed
25	10A	Power Telescoping Mirror Switch, Interior Lamps, Underhood and Illumination Visor

Fuse/Relay Location	Fuse Amp Rating	Smart Junction Box Description
26	10A	Cluster
27	20A	Ignition Switch Feed, Passenger Compartment Fuses 28, 4 Compartment Starter Relay Coil #57 (Diesel), Engine Cor Relay Diode (GAS)
28	5A	Audio Control Module (ACM)
29	5A	SPARE
30	5A	SPARE
31	10A	Compass
32	10A	(RCM) Passenger Airbag Deactivation Indicator
33	10A	Trailer Tow Brake Controller, TT Battery Charge Relay C
34	5A	SPARE
35	10A	RPA, AWD
36	5A	PATS Transciever, Cluster Control
37	10A	Climate Control
38	20A	Subwoofer
39	20A	Radio
40	20A	4x4 Module, Satellite Radio Module
41	15A	Radio, Lock Switch Illumination, Rear View Mirror
42	10A	Heated Seat Relay Coil, Upfitter Switch Relay Coils, Heat
43	10A	Fuel tank Switch, 4x4 Module
44	10A	Run Customer Access
45	5A	Front Wiper Logic, Blower Motor Relay Coil
46	7.5A	Electrochromatic Mirror with video
47	30A C.B.	Power Windows Moonroof, Power Sliding Backlight

Ford F-Series F-350 F350 fuse box diagram

Power distribution box



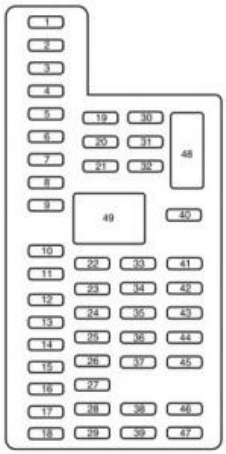
Fuse or relay	Ampere rating [A]	Protected components
1	Relay	Blower motor
2	—	Not used
3	Relay	Urea heaters (diesel engine)
4	—	Not used
5	Relay	Heated mirrors Rear window defroster
6	—	Not used
7	50*	Heated mirrors Rear window defroster
8	30*	Passenger seat
9	30*	Driver seat
10	40*	Trailer tow

11	—	Not used
12	30*	Driver smart window motor
13	—	Not used
14	—	Not used
15	Diode	Fuel pump (diesel engine)
16	—	Not used
17	15**	Heated mirror
18	—	Not used
19	—	Not used
20	—	Not used
21	—	Not used
22	30*	Trailer tow electric brake
23	40*	Blower motor
24	—	Not used
25	30*	Wipers
26	30*	Trailer tow park lamps
27	25*	Urea heaters (diesel engine)
28	—	Buss bar
29	Relay	Trailer tow park lamps
30	Relay	A/C clutch
31	Relay	Wipers
32	—	Not used
33	15**	Vehicle power 1
34	15**	Vehicle power 2 (diesel engine)
	20**	Vehicle power 2 (gas engine)
35	10**	Vehicle power 3
36	15**	Vehicle power 4 (diesel engine)
	20**	Vehicle power 4 (gas engine)
37	10**	Vehicle power 5 (diesel engine)
38	Relay	Electronic control module (diesel engine) Powertrain control module (gas engine)
39	10**	4×4 hub lock
40	15*	4×4 electronic lock
41	—	Not used
42	20**	Rear heated seats

43	—	Not used
44	—	Not used
45	10**	Run/start relay coil
46	10**	Transmission control module keep-alive power (diesel engine)
47	10**	A/C clutch feed
48	Relay	Run/start
49	10**	Rearview camera system
50	10**	Blower motor relay coil
51	—	Not used
52	10**	Electronic control module Powertrain control module, Transmission control module run/start
53	10**	4×4 module
54	10**	Anti-lock brake system run/start
55	10**	Rear window defroster coil
56	20**	Passenger compartment fuse panel run/start feed
57	Relay	Fuel pump
58	—	Not used
59	—	Not used
60	—	Not used
61	—	Not used
62	—	Not used
63	—	Not used
64	—	Not used
65	—	Not used
66	20**	Fuel pump
67	—	Not used
68	10**	Fuel pump relay coil
69	—	Not used
70	10**	Trailer tow backup lamp
71	10**	Canister vent (gas engine)
72	10**	Electronic control module relay coil feed keep-alive power Powertrain control module
73	—	Not used
74	—	Not used
75	—	Not used
76	Relay	Trailer tow backup lamp

77	—	Not used
78	—	Not used
79	—	Not used
80	—	Not used
81	—	Not used
82	20*	Auxiliary power point #2
83	20*	Auxiliary power point #1
84	30*	4×4 shift motor
85	30*	Heated/cooled seats
86	25*	Anti-lock brake system coil feed
87	20*	Auxiliary power point #5
88	20*	Auxiliary power point #6
89	40*	Starter motor
90	25	Trailer tow battery charge
91	—	Not used
92	20*	Auxiliary power point #4
93	20*	Auxiliary power point #3
94	25*	Auxiliary switch #1
95	25*	Auxiliary switch #2
96	50*	Anti-lock brake system pump
97	40*	Inverter
98	—	Not used
99	40*	Instrument panel power inverte
100	—	Not used
101	Relay	Starter
102	—	Not used
103	—	Not used
104	—	Not used
105	—	Not used
106	—	Not used
107	—	Not used
*Cartridge fuses **Mini fuses		

Passenger compartment fuse panel



Ford F-series F-350 fuse box – passenger compartment

Fuse or relay	Ampere rating [A]	Protected components
1	30	Not used (spare)
2	15	Auxiliary switch relay #4
3	30	Passenger smart window motor
4	10	Hood lamp Interior lights
5	20	Moonroof
6	5	Driver seat module
7	7,5	Driver lumbar motor Driver seat switch
8	10	Power mirror switch
9	10	Auxiliary switch relay #3
10	10	Customer access feed Run/accessory relay
11	10	Instrument cluster
12	15	Interior lighting Lighted running board lamps
13	15	Right turn signals and brake lamps
14	15	Left turn signals and brake lamps
15	15	Backup lamps, Trailer tow backup relay High-mounted stop lamps Reverse signal interior mirror
16	10	Right low beam headlamp
17	10	Left low beam headlamp
18	10	Brake shift interlock Keypad illumination Passive anti-theft transceiver Powertrain control module

19	20	Amplifier Subwoofer
20	20	Power door locks
21	10	Brake on/off switch
22	20	Horn
23	15	Not used (spare)
24	15	Diagnostic connector Electronic finish panel Power fold mirror relay Remote keyless entry Steering wheel control module
25	15	Not used (spare)
26	5	Steering wheel control module
27	20	Not used (spare)
28	15	Ignition switch
29	20	GPS module Radio SYNC
30	15	Parking lamp relay Trailer tow parking lamp relay
31	5	Customer access Trailer brake controller (brake signal)
32	15	Auto dimming mirror Driver and passenger door lock switch illumination Driver and passenger smart window motor Moonroof motor Passenger window switch Power inverter Rear heated seat switch illumination Telescoping mirror switch
33	10	Restraint control module
34	10	Heated steering wheel module Rear heated seats module
35	5	Reverse park aid module Select shift switch Trailer brake control module
36	10	Fuel tank select switch
37	10	Positive temperature coefficient heater
38	10	AM/FM base radio
39	15	High beam headlamps
40	10	Parking lamps (in mirrors) Roof marker lamps
41	7,5	Passenger airbag deactivation indicator
42	5	Not used (spare)
43	10	Wiper relay
44	10	Auxiliary switches
45	5	Not used (spare)
46	10	Climate control
47	15	Fog lamps Fog lamp indicator (in switch)
48	30A Circuit breaker	Power rear sliding window switch Power windows switch Moonroof switch
49	Relay	Delayed accessory

WARNING: Terminal and harness assignments for individual connectors will vary depending on vehicle equipment level, model, and market.

manuales digitales JC







El secreto de los Mecánicos Profesionales es la utilización de los Manuales Técnicos.

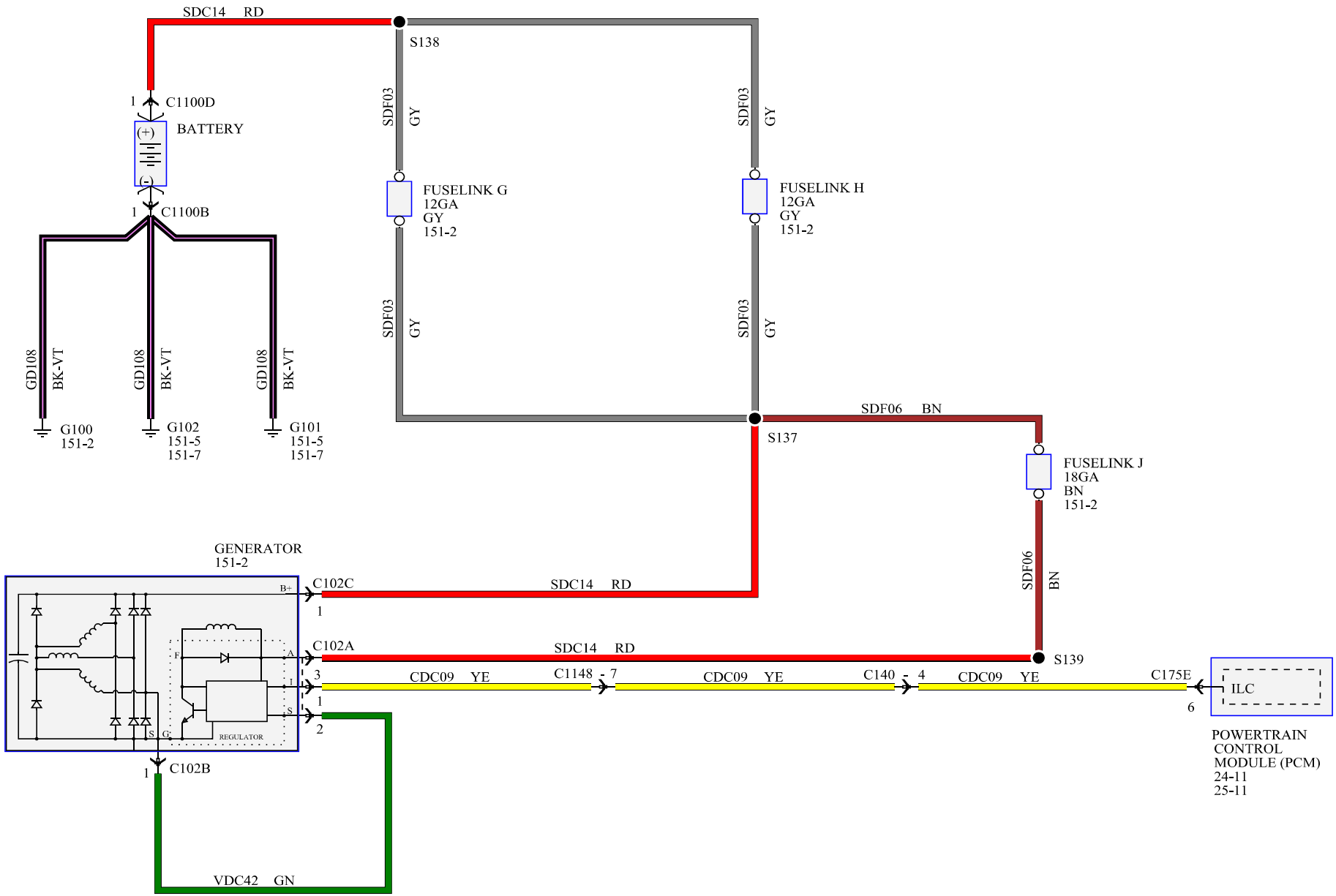




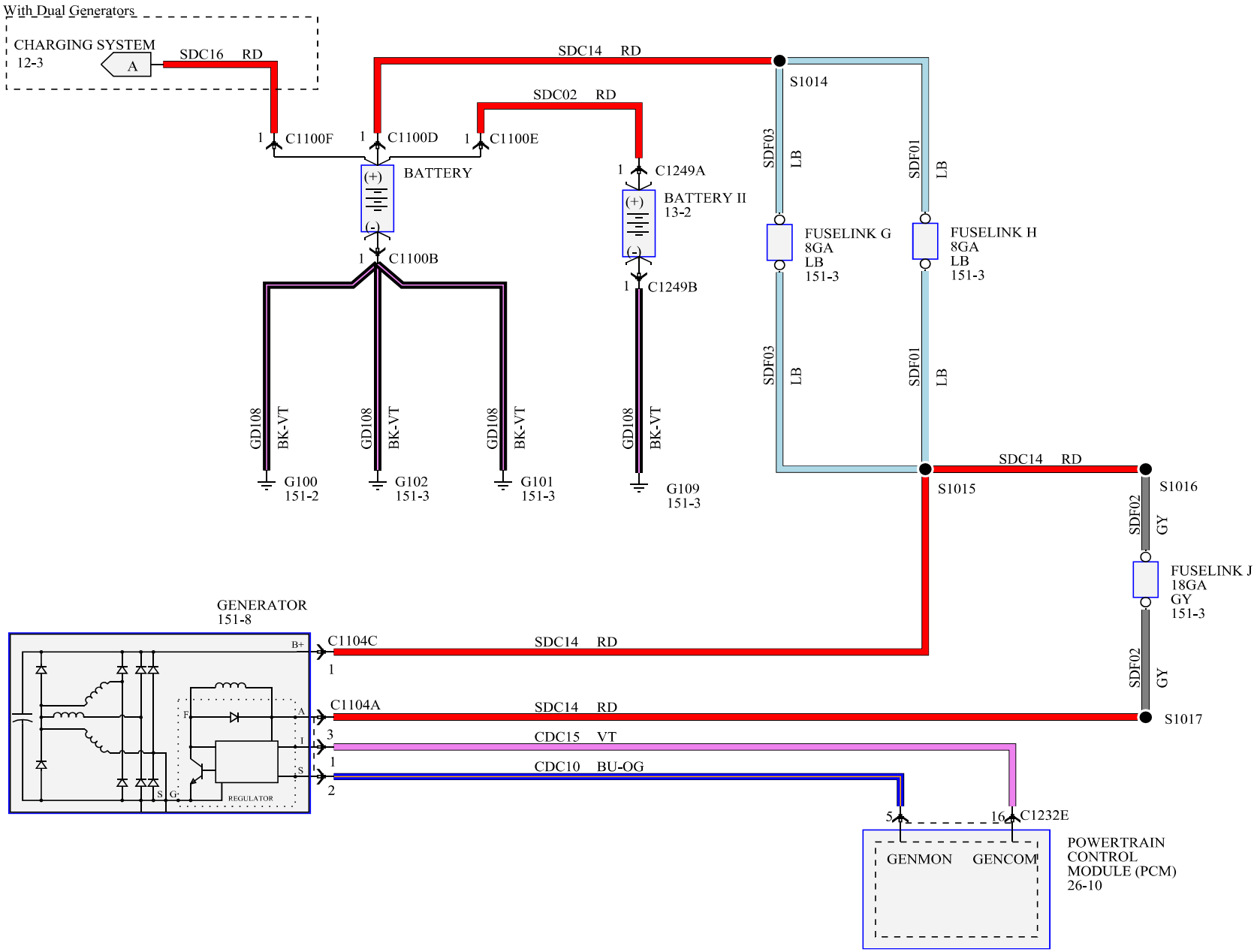


Garantice su trabajo siguiendo las instrucciones de los fabricantes...

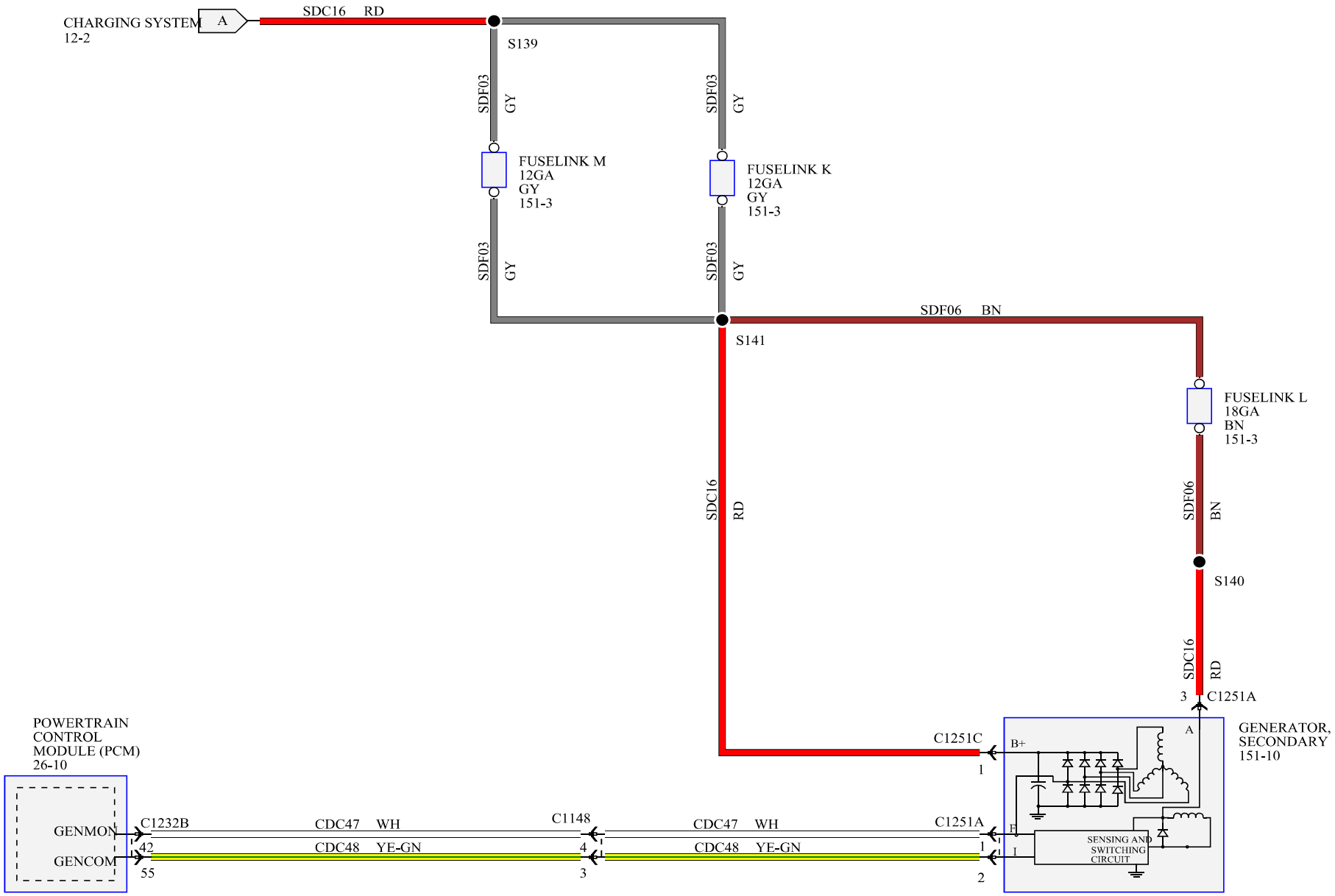
GASOLINE


SDC14 RD
S138
1
C1100D
BATTERY
(+)
(-)
1
C1100B
SDF03 GY
SDF03 GY
FUSELINK G
12GA
GY
151-2
FUSELINK H
12GA
GY
151-2
SDF03 GY
SDF03 GY
GD108 BK-VT
GD108 BK-VT
GD108 BK-VT
G100
151-2
G102
151-5
151-7
G101
151-5
151-7
SDF06 BN
S137
FUSELINK J
18GA
BN
151-2
SDF06 BN
GENERATOR
151-2
B+
C102C
SDC14 RD
1
C102A
SDC14 RD
S139
3
CDC09 YE
C1148
7
CDC09 YE
C140
4
CDC09 YE
C175E
6
ILC
POWERTRAIN
CONTROL
MODULE (PCM)
24-11
25-11
1
2
REGULATOR
1
C102B
VDC42 GN

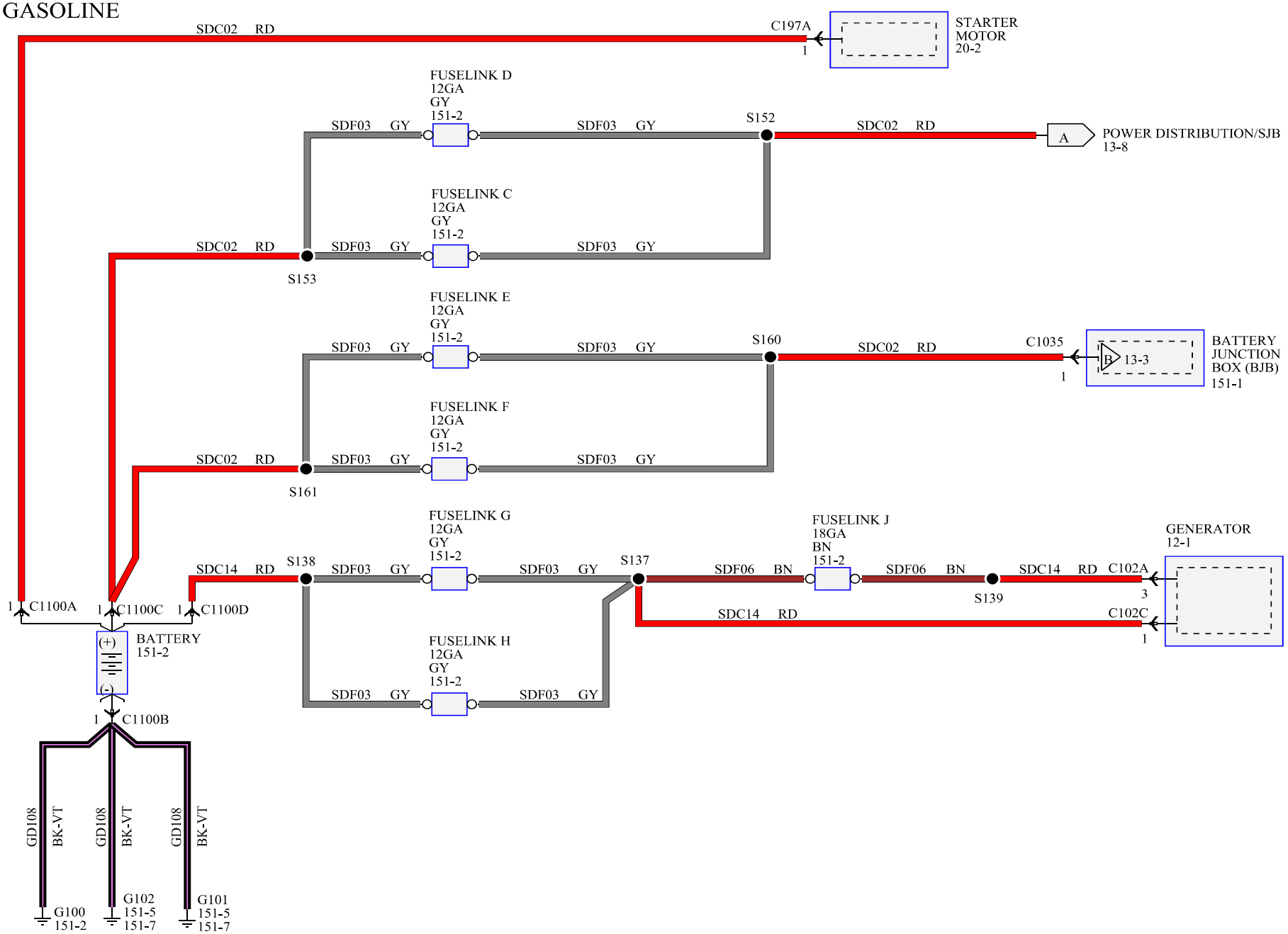
DIESEL


With Dual Generators
CHARGING SYSTEM
12-3
A
SDC16 RD
SDC14 RD
SDC02 RD
C1100F
C1100D
C1100E
BATTERY
(+)
(-)
C1100B
C1249A
BATTERY II
13-2
C1249B
S1014
SDF03 LB
SDF01 LB
FUSELINK G
8GA
LB
151-3
FUSELINK H
8GA
LB
151-3
GD108 BK-VT
G100
151-2
G102
151-3
G101
151-3
G109
151-3
S1015
SDC14 RD
S1016
SDF02 GY
FUSELINK J
18GA
GY
151-3
GENERATOR
151-8
B+
C1104C
C1104A
SDC14 RD
CDC15 VT
CDC10 BU-OG
REGULATOR
S1017
C1232E
GENMON
GENCOM
POWERTRAIN
CONTROL
MODULE (PCM)
26-10

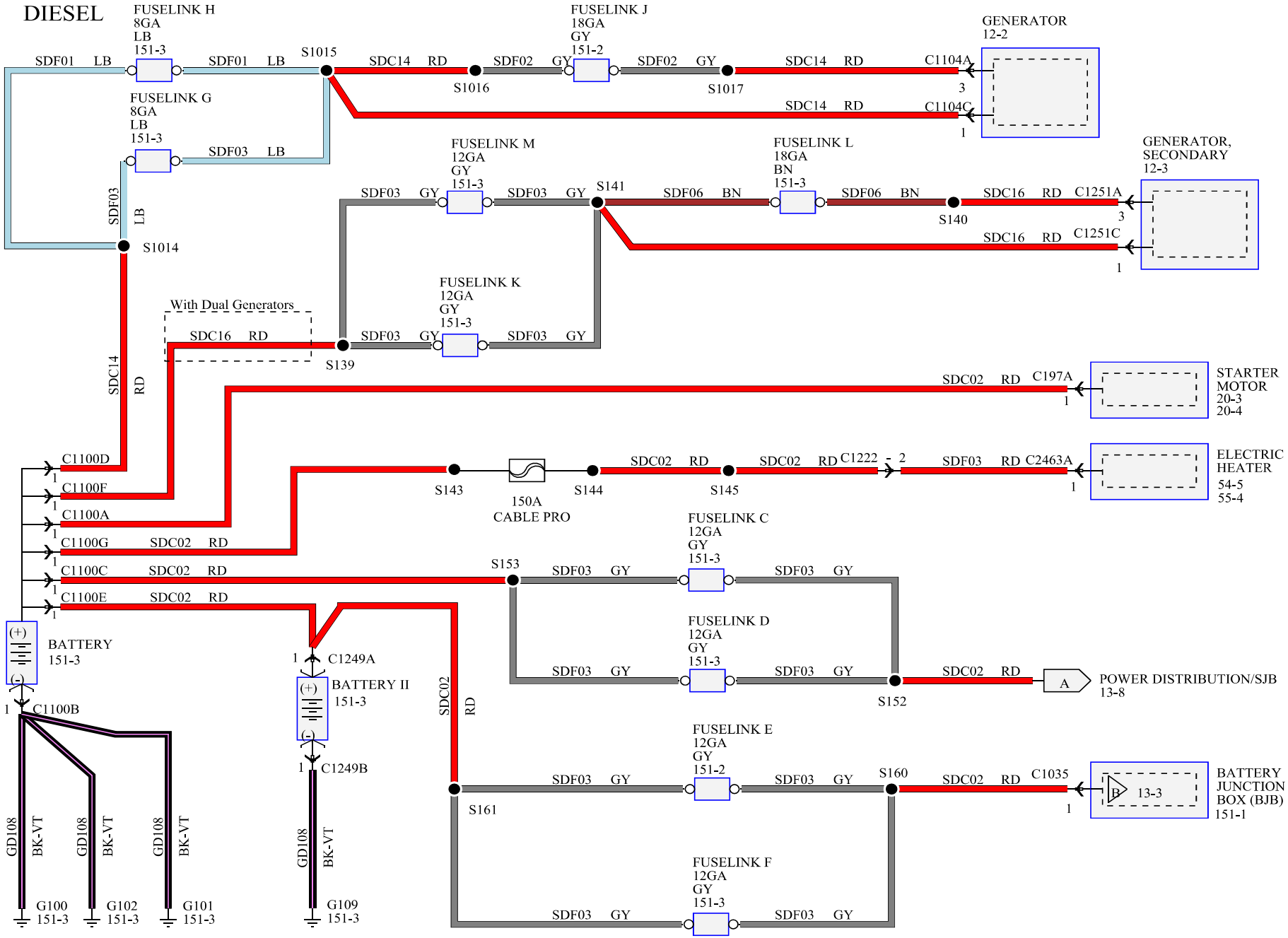
DIESEL, WITH DUAL GENERATORS



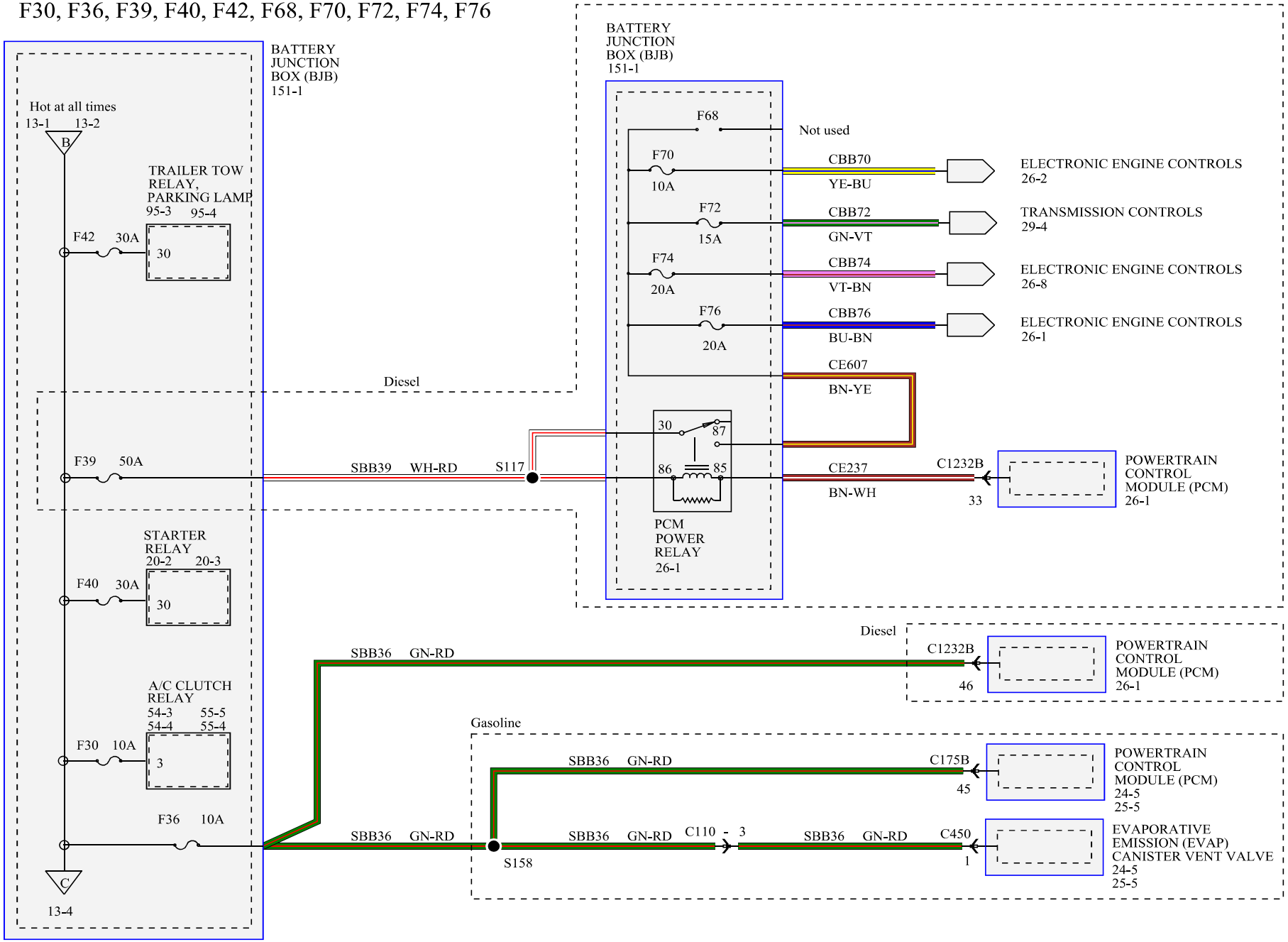
GASOLINE


SDC02 RD
C197A
1
STARTER MOTOR
20-2
FUSELINK D
12GA
GY
151-2
SDF03 GY
SDF03 GY
S152
SDC02 RD
A
POWER DISTRIBUTION/SJB
13-8
FUSELINK C
12GA
GY
151-2
SDC02 RD
SDF03 GY
SDF03 GY
S153
FUSELINK E
12GA
GY
151-2
SDF03 GY
SDF03 GY
S160
SDC02 RD
C1035
1
B
13-3
BATTERY JUNCTION BOX (BJB)
151-1
FUSELINK F
12GA
GY
151-2
SDC02 RD
SDF03 GY
SDF03 GY
S161
FUSELINK G
12GA
GY
151-2
SDC14 RD
S138
SDF03 GY
SDF03 GY
S137
FUSELINK J
18GA
BN
151-2
SDF06 BN
SDF06 BN
S139
SDC14 RD
C102A
3
GENERATOR
12-1
SDC14 RD
C102C
1
1 C1100A
1 C1100C
1 C1100D
(+)
BATTERY
151-2
(-)
1 C1100B
FUSELINK H
12GA
GY
151-2
SDF03 GY
SDF03 GY
GD108
BK-VT
GD108
BK-VT
GD108
BK-VT
G100
151-2
G102
151-5
151-7
G101
151-5
151-7

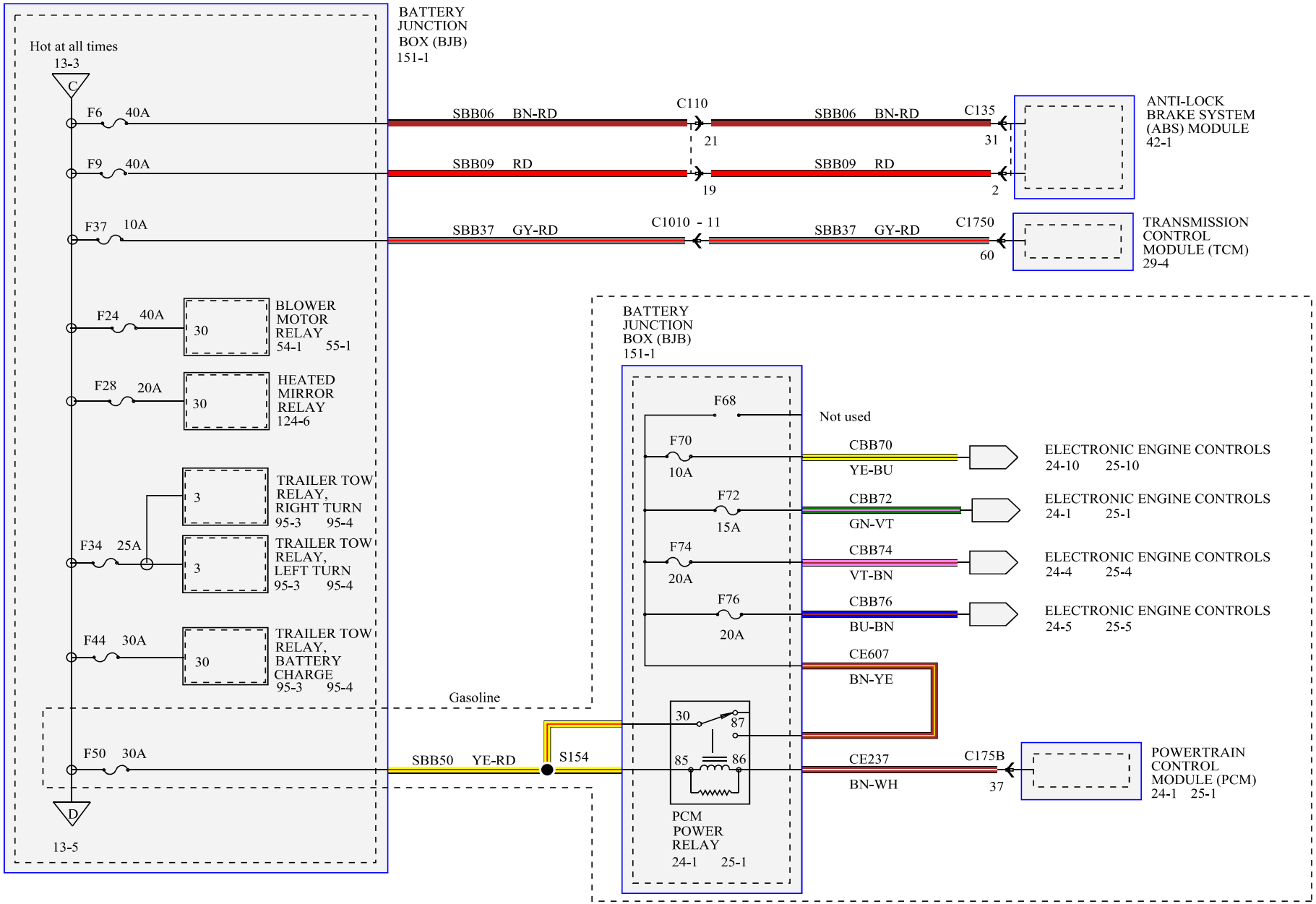
DIESEL


FUSELINK H
8GA
LB
151-3
SDF01 LB
SDF01 LB
S1015
SDC14 RD
S1016
SDF02 GY
FUSELINK J
18GA
GY
151-2
SDF02 GY
S1017
SDC14 RD
C1104A
3
GENERATOR
12-2
SDC14 RD
C1104C
1
FUSELINK G
8GA
LB
151-3
SDF03 LB
SDF03 LB
S1014
FUSELINK M
12GA
GY
151-3
SDF03 GY
SDF03 GY
S141
SDF06 BN
FUSELINK L
18GA
BN
151-3
SDF06 BN
S140
SDC16 RD
C1251A
3
GENERATOR,
SECONDARY
12-3
SDC16 RD
C1251C
1
With Dual Generators
SDC16 RD
S139
FUSELINK K
12GA
GY
151-3
SDF03 GY
SDF03 GY
SDC14 RD
SDC02 RD
C197A
1
STARTER
MOTOR
20-3
20-4
C1100D
C1100F
C1100A
C1100G SDC02 RD
C1100C SDC02 RD
C1100E SDC02 RD
S143
150A
CABLE PRO
S144
SDC02 RD
S145
SDC02 RD
C1222
2
SDF03 RD
C2463A
1
ELECTRIC
HEATER
54-5
55-4
FUSELINK C
12GA
GY
151-3
S153
SDF03 GY
SDF03 GY
FUSELINK D
12GA
GY
151-3
SDF03 GY
SDF03 GY
S152
SDC02 RD
A
POWER DISTRIBUTION/SJB
13-8
BATTERY
151-3
C1100B
C1249A
BATTERY II
151-3
C1249B
SDC02 RD
FUSELINK E
12GA
GY
151-2
SDF03 GY
SDF03 GY
S160
SDC02 RD
C1035
1
B
13-3
BATTERY
JUNCTION
BOX (BJB)
151-1
S161
FUSELINK F
12GA
GY
151-3
SDF03 GY
SDF03 GY
GD108
BK-VT
GD108
BK-VT
GD108
BK-VT
GD108
BK-VT
G100
151-3
G102
151-3
G101
151-3
G109
151-3

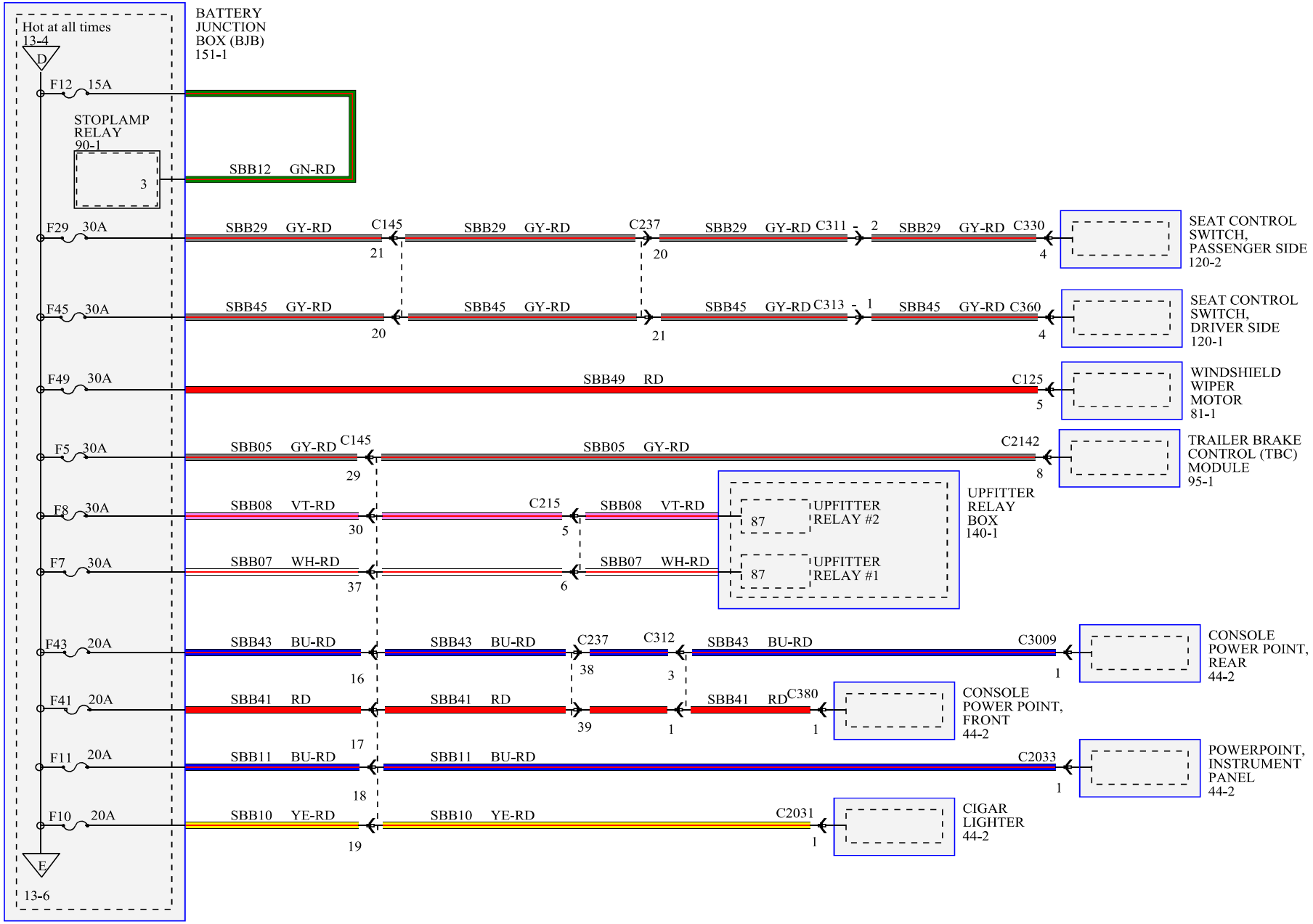
F30, F36, F39, F40, F42, F68, F70, F72, F74, F76



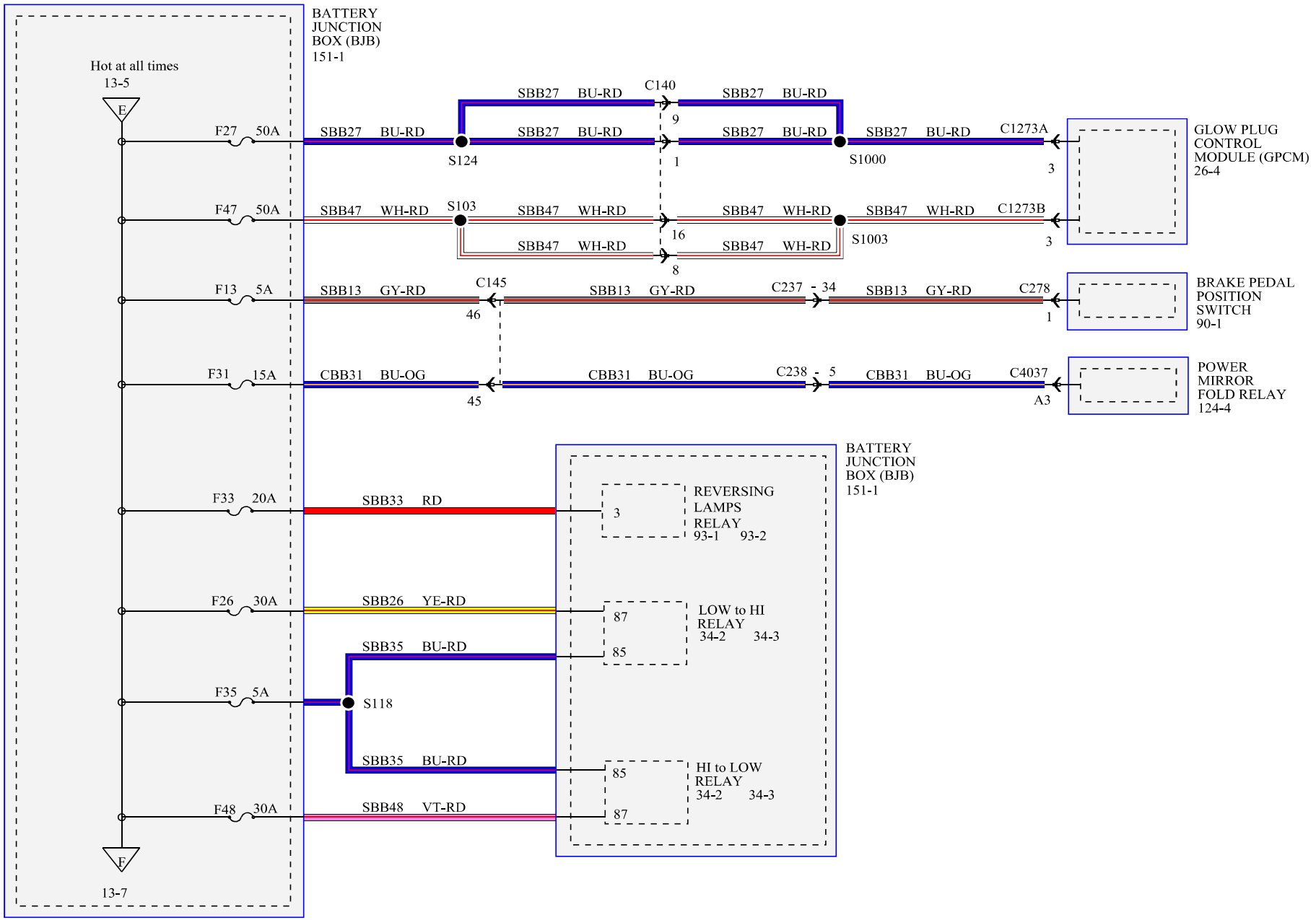
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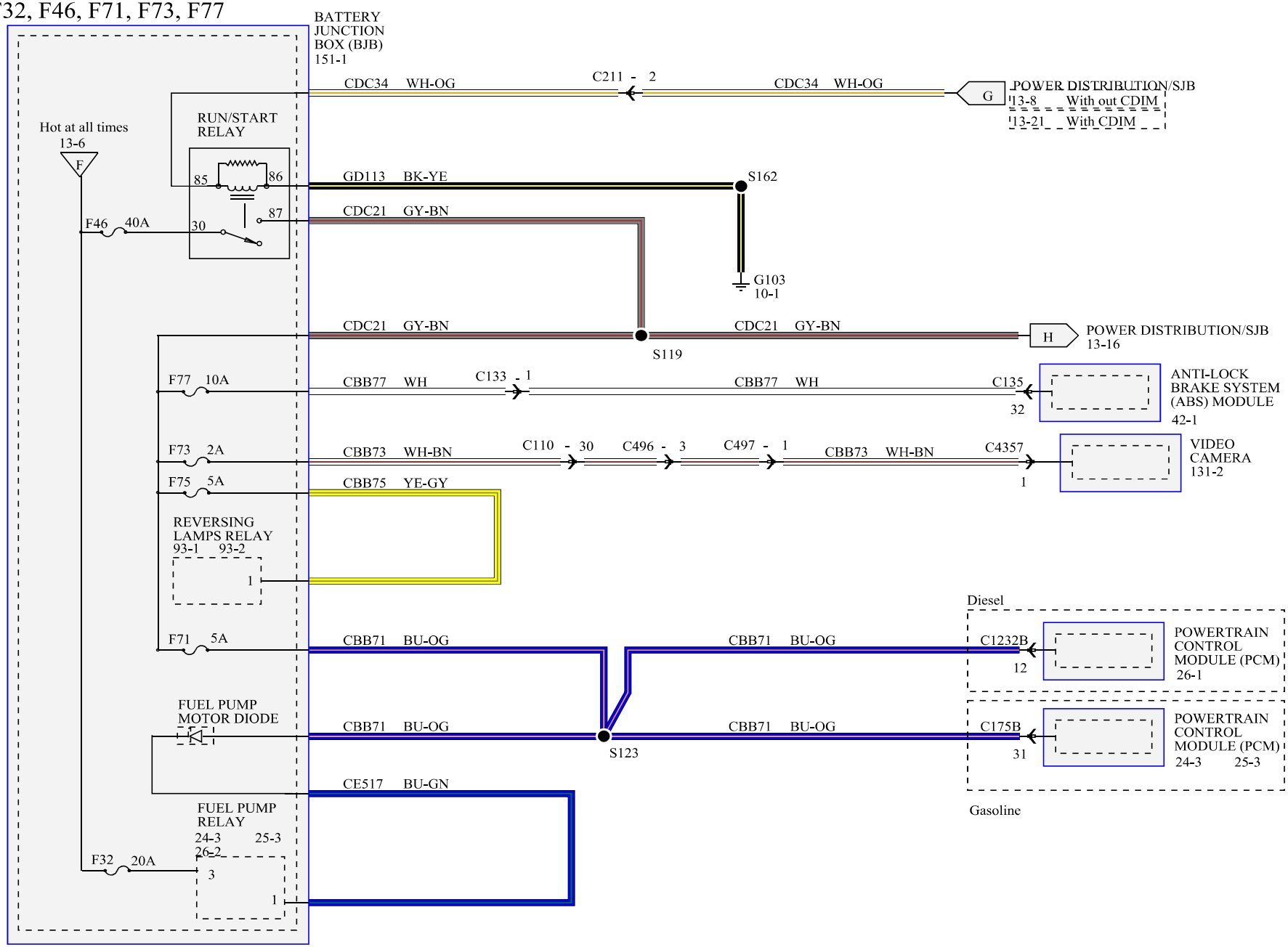
F5, F7, F8, F10, F11, F12, F29, F41, F43, F45, F49



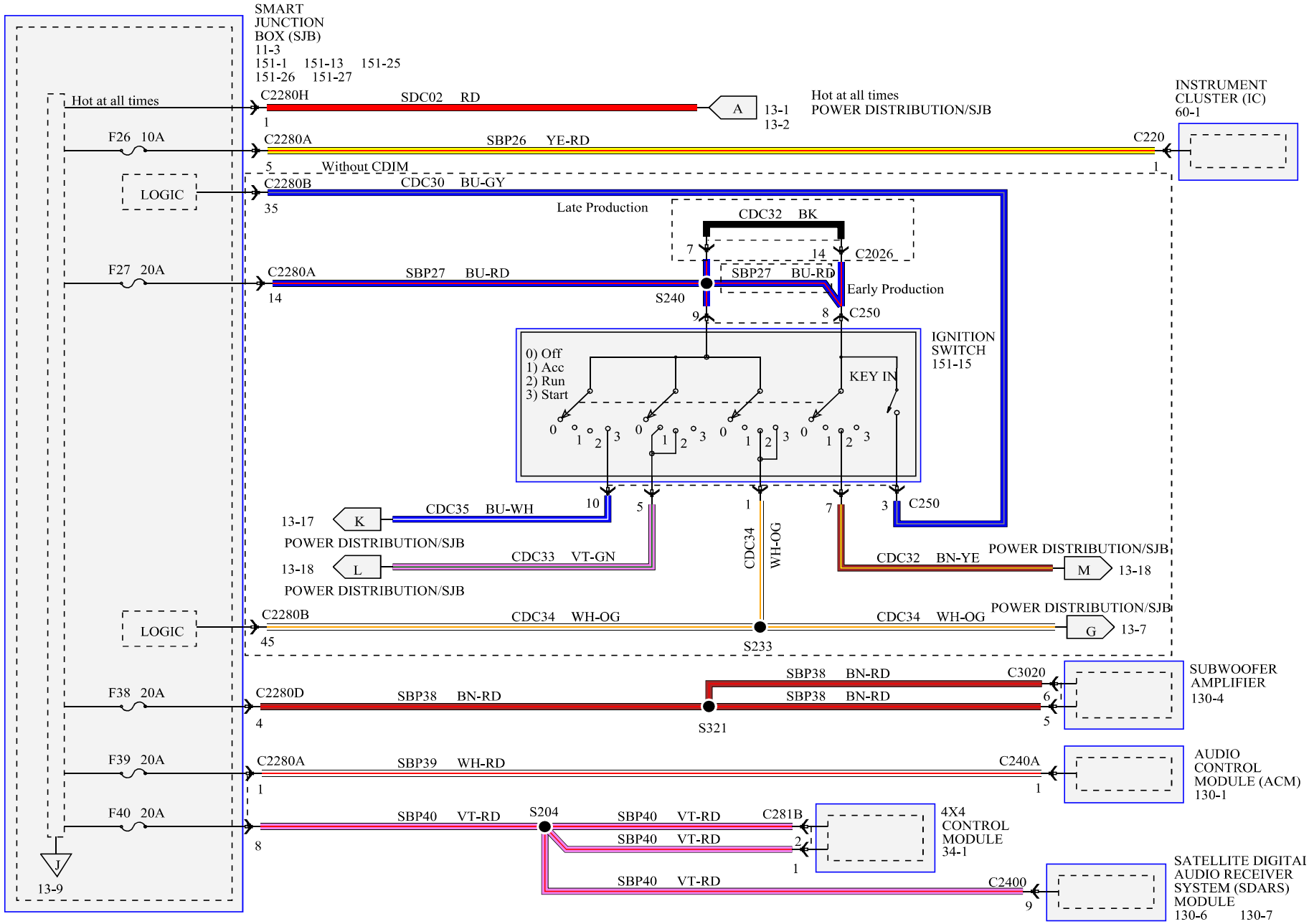
F13, F26, F27, F31, F33, F35, F47, F48



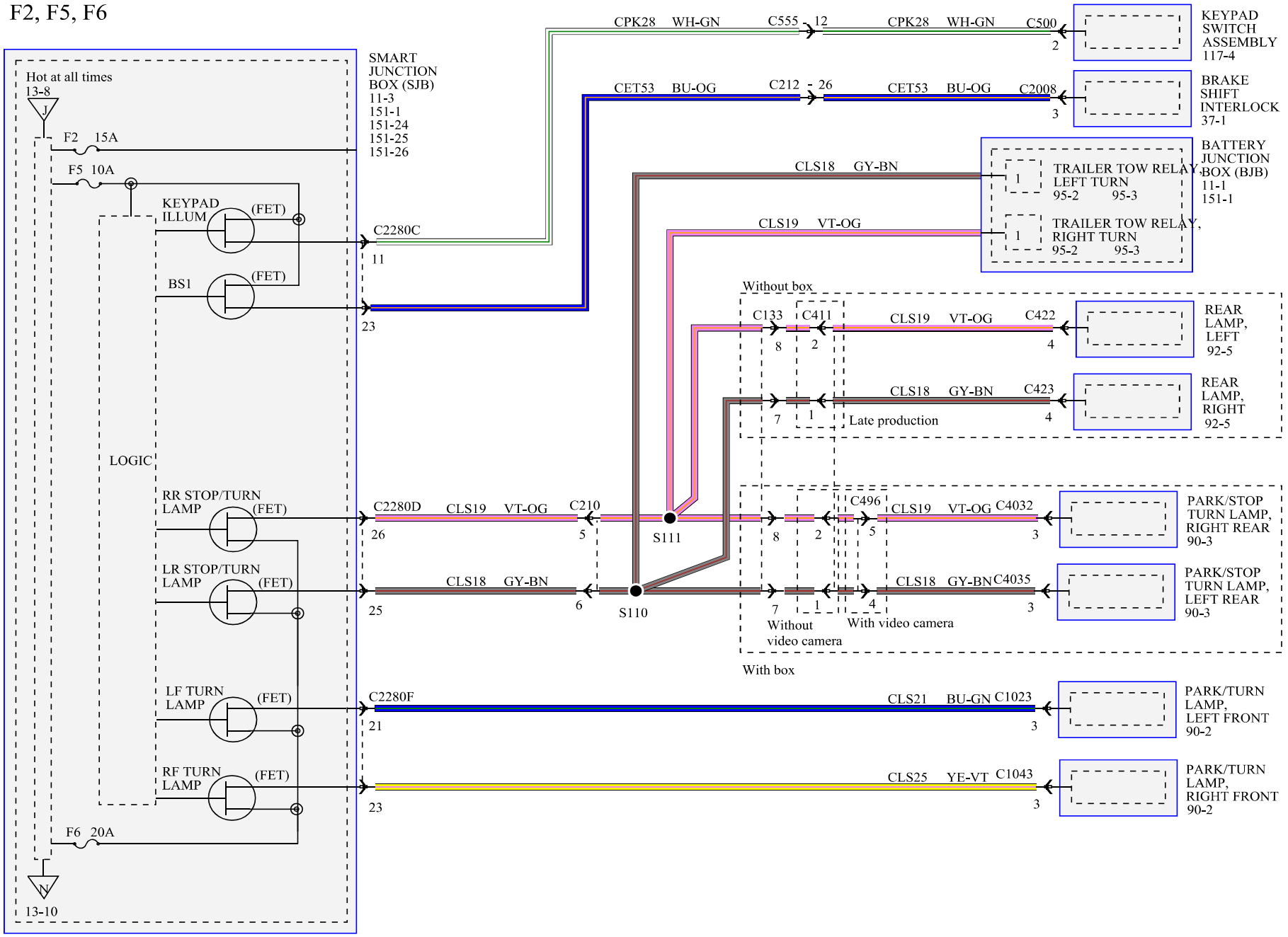
F32, F46, F71, F73, F77



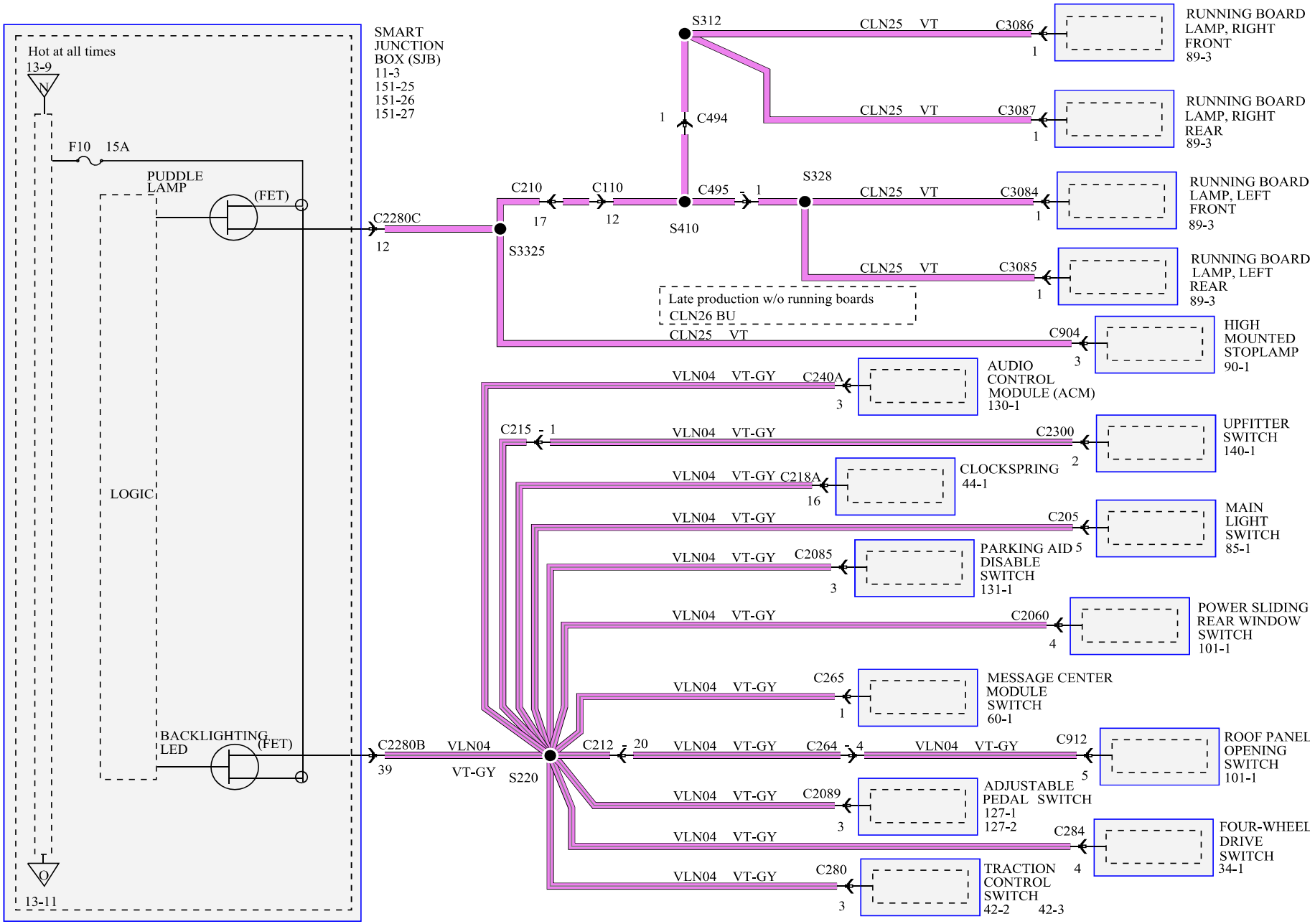
F26, F27 WITHOUT CDIM, F38, F39, F40



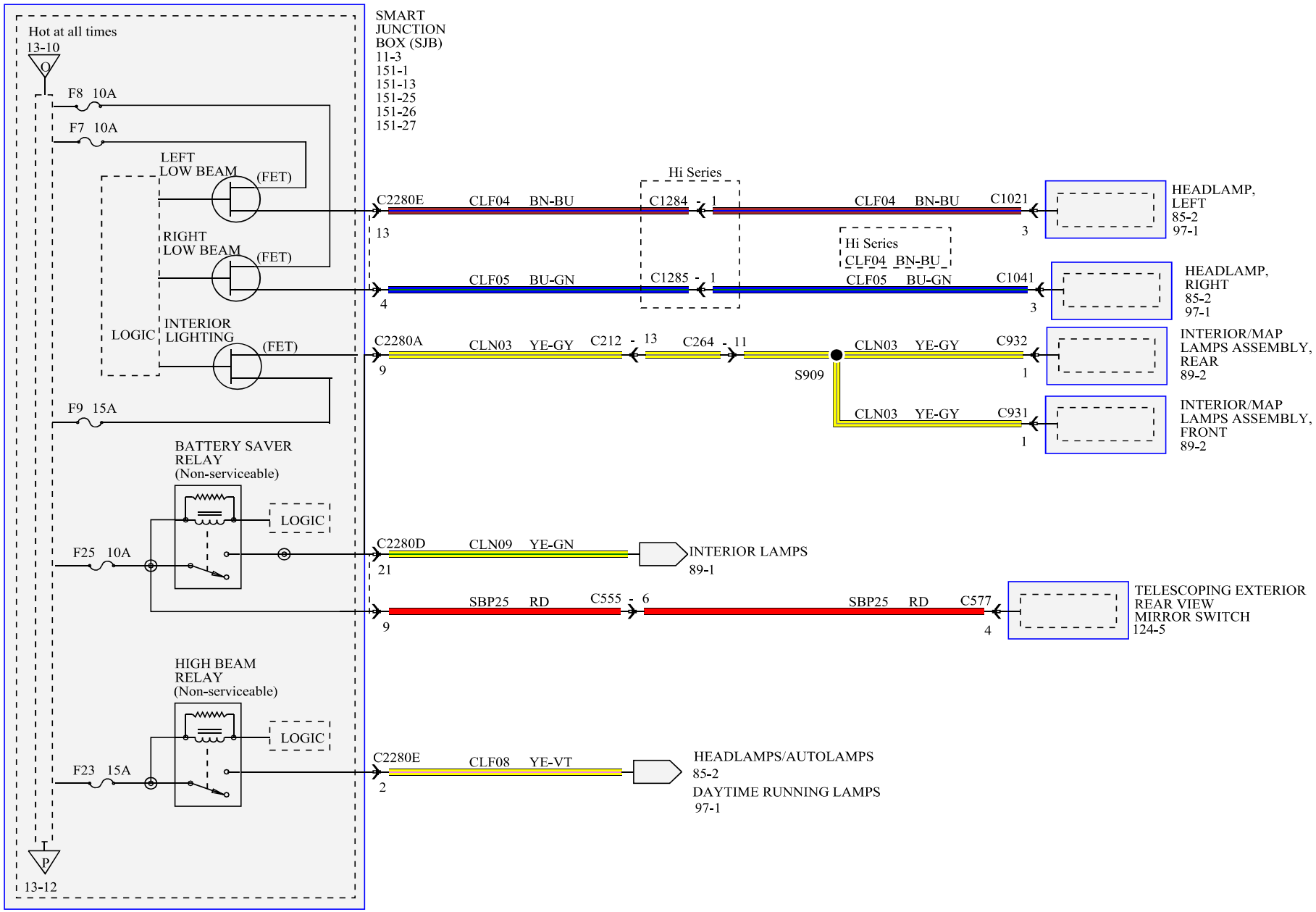
F2, F5, F6


SMART JUNCTION BOX (SJB)
11-3
151-1
151-24
151-25
151-26
Hot at all times
13-8
J
F2 15A
F5 10A
KEYPAD ILLUM
(FET)
BS1
(FET)
LOGIC
RR STOP/TURN LAMP
(FET)
LR STOP/TURN LAMP
(FET)
LF TURN LAMP
(FET)
RF TURN LAMP
(FET)
F6 20A
N
13-10
C2280C
11
23
C2280D
26
25
C2280F
21
23
CPK28 WH-GN
C555
12
CPK28 WH-GN
C500
2
KEYPAD SWITCH ASSEMBLY
117-4
CET53 BU-OG
C212
26
CET53 BU-OG
C2008
3
BRAKE SHIFT INTERLOCK
37-1
CLS18 GY-BN
CLS19 VT-OG
1
TRAILER TOW RELAY, LEFT TURN
95-2 95-3
1
TRAILER TOW RELAY, RIGHT TURN
95-2 95-3
BATTERY JUNCTION BOX (BJB)
11-1
151-1
Without box
C133
8
C411
2
CLS19 VT-OG
C422
4
REAR LAMP, LEFT
92-5
CLS18 GY-BN
C423
4
REAR LAMP, RIGHT
92-5
7
1
Late production
C210
5
S111
S110
6
CLS19 VT-OG
CLS18 GY-BN
C496
8
2
5
4
7
1
Without video camera
With video camera
C4032
3
PARK/STOP TURN LAMP, RIGHT REAR
90-3
C4035
3
PARK/STOP TURN LAMP, LEFT REAR
90-3
With box
CLS21 BU-GN
C1023
3
PARK/TURN LAMP, LEFT FRONT
90-2
CLS25 YE-VT
C1043
3
PARK/TURN LAMP, RIGHT FRONT
90-2

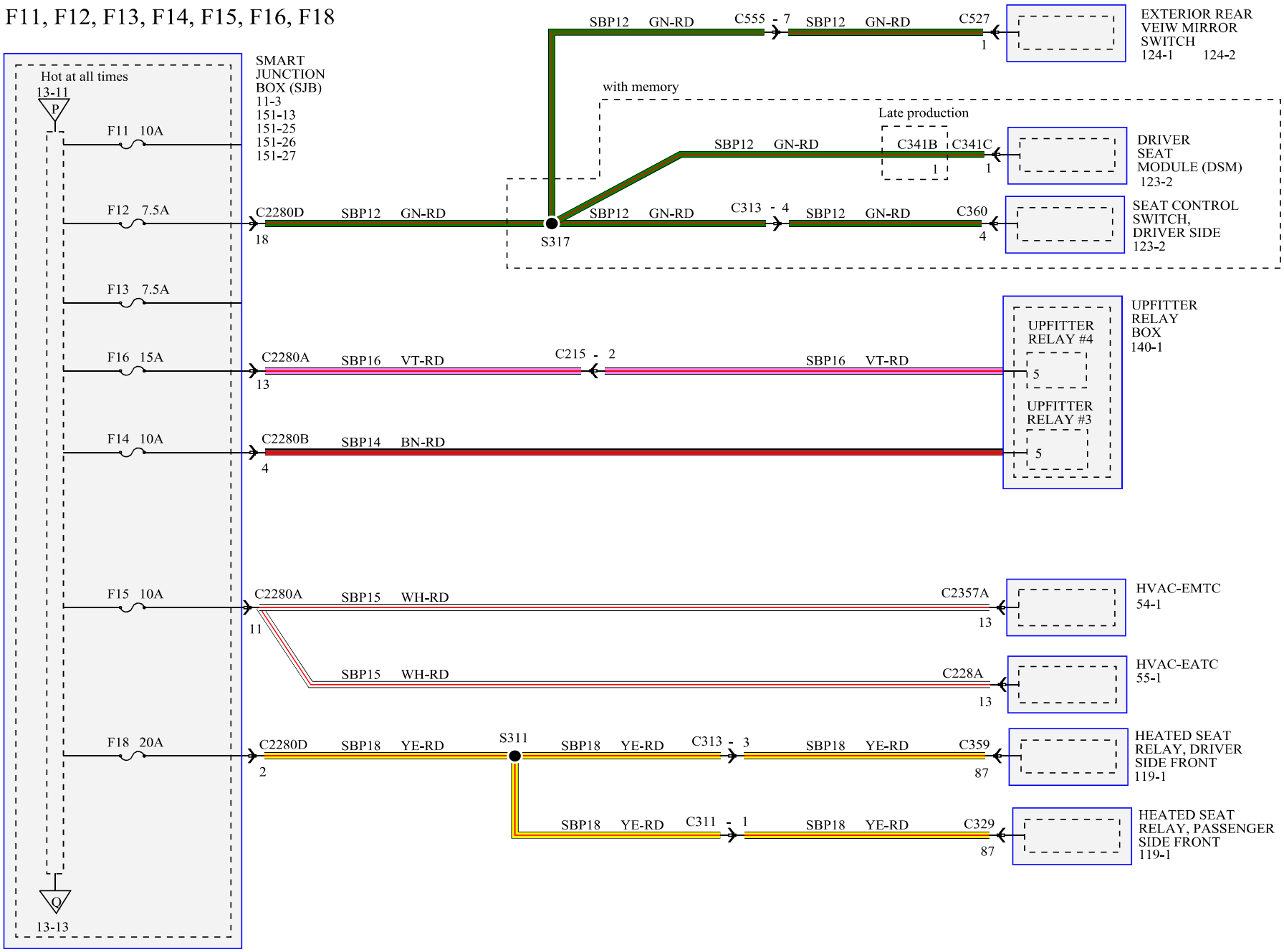
F10


Hot at all times
13-9
F10 15A
PUDDLE LAMP
(FET)
LOGIC
BACKLIGHTING LED
(FET)
13-11
SMART JUNCTION BOX (SJB)
11-3
151-25
151-26
151-27
C2280C
12
C210
17
C110
12
S3325
C494
1
S410
C495
1
S312
S328
CLN25 VT
C3086
1
RUNNING BOARD LAMP, RIGHT FRONT
89-3
CLN25 VT
C3087
1
RUNNING BOARD LAMP, RIGHT REAR
89-3
CLN25 VT
C3084
1
RUNNING BOARD LAMP, LEFT FRONT
89-3
CLN25 VT
C3085
1
RUNNING BOARD LAMP, LEFT REAR
89-3
Late production w/o running boards
CLN26 BU
CLN25 VT
C904
3
HIGH MOUNTED STOPLAMP
90-1
VLN04 VT-GY
C240A
3
AUDIO CONTROL MODULE (ACM)
130-1
C215
1
VLN04 VT-GY
C2300
2
UPFITTER SWITCH
140-1
VLN04 VT-GY
C218A
16
CLOCKSPRING
44-1
VLN04 VT-GY
C205
5
MAIN LIGHT SWITCH
85-1
VLN04 VT-GY
C2085
3
PARKING AID DISABLE SWITCH
131-1
VLN04 VT-GY
C2060
4
POWER SLIDING REAR WINDOW SWITCH
101-1
VLN04 VT-GY
C265
1
MESSAGE CENTER MODULE SWITCH
60-1
C2280B
39
VLN04
VT-GY
S220
C212
20
VLN04 VT-GY
C264
4
VLN04 VT-GY
C912
5
ROOF PANEL OPENING SWITCH
101-1
VLN04 VT-GY
C2089
3
ADJUSTABLE PEDAL SWITCH
127-1
127-2
VLN04 VT-GY
C284
4
FOUR-WHEEL DRIVE SWITCH
34-1
VLN04 VT-GY
C280
3
TRACTION CONTROL SWITCH
42-2
42-3

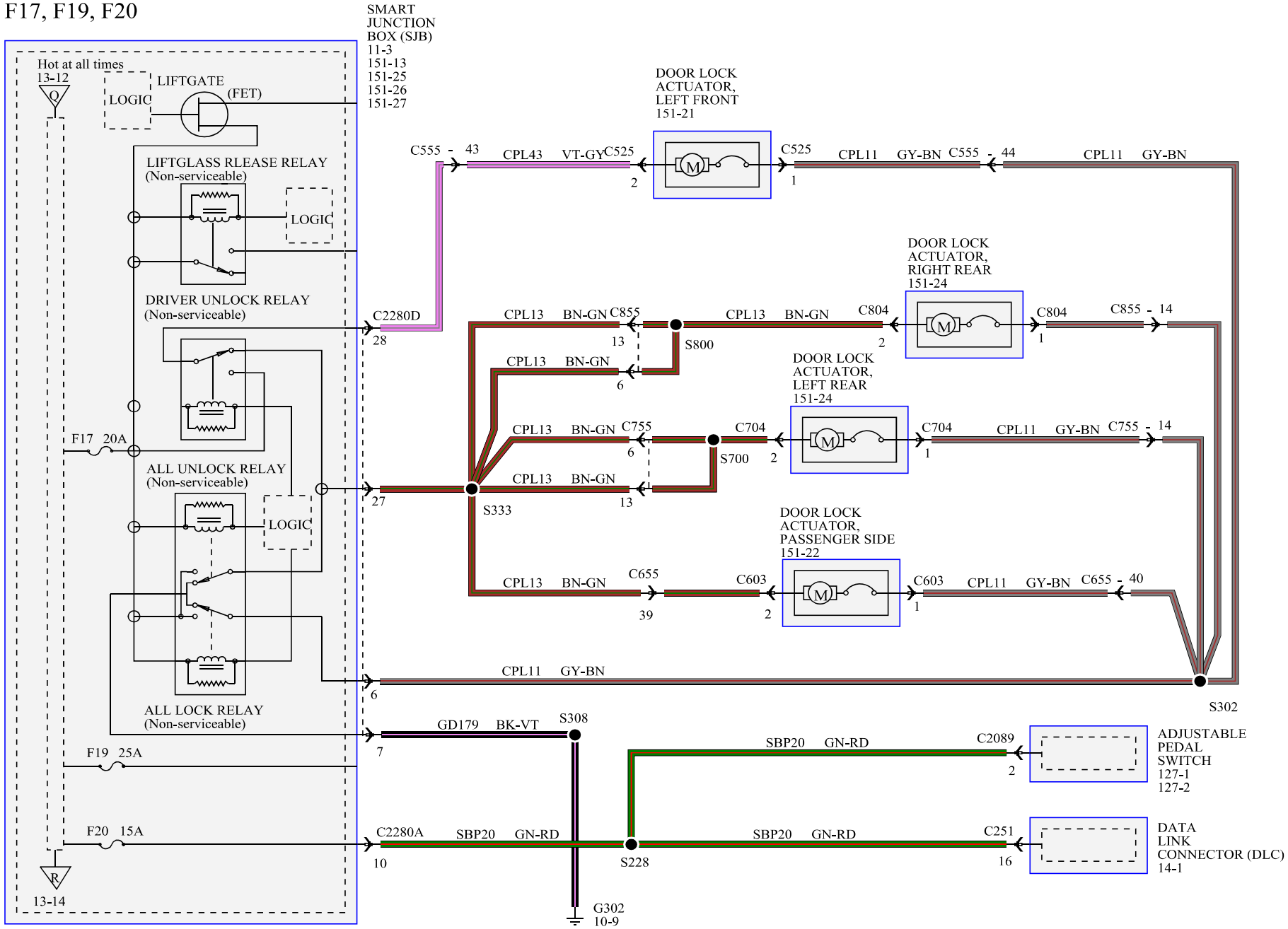
F7, F8, F9, F23, F25



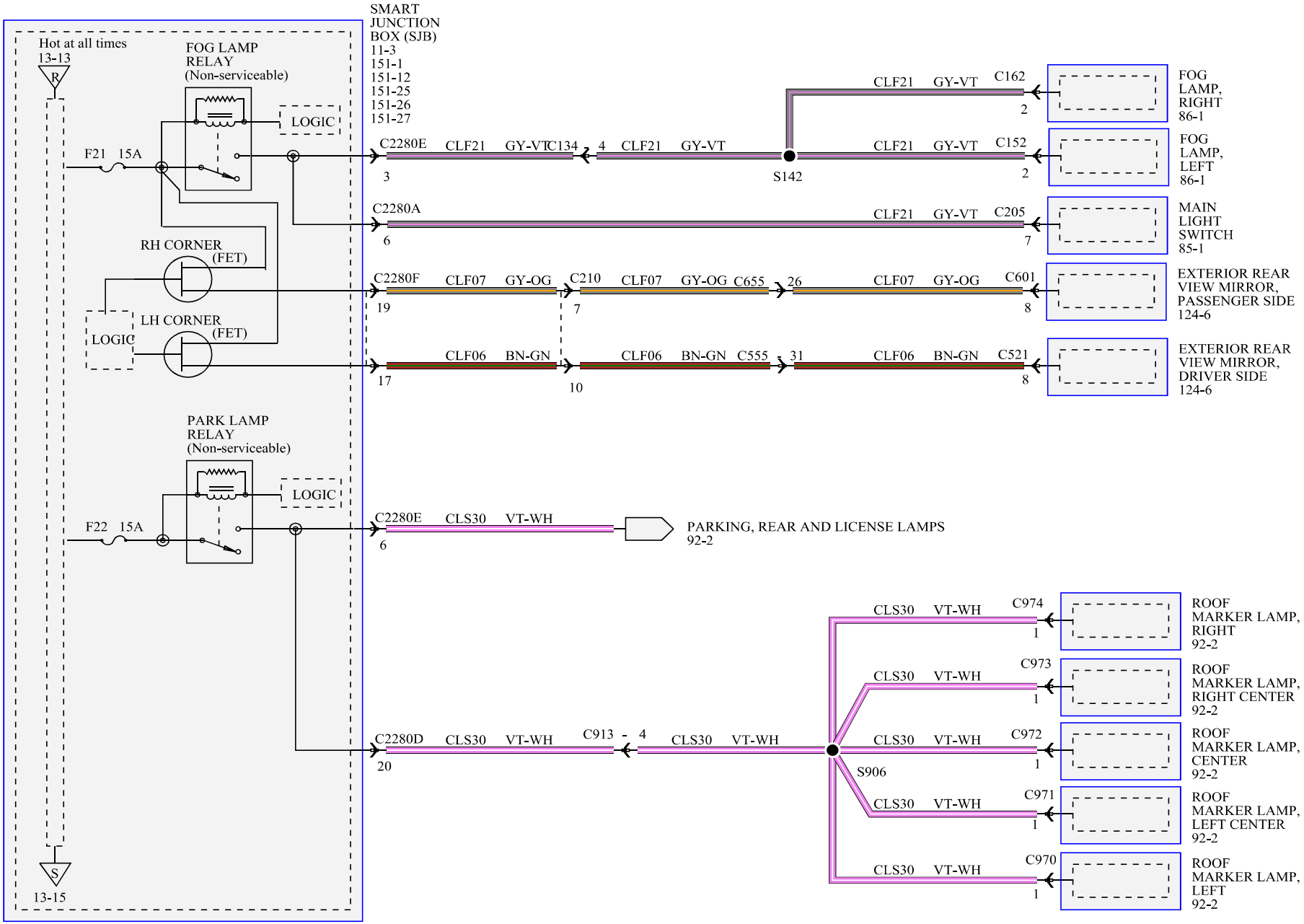
F11, F12, F13, F14, F15, F16, F18



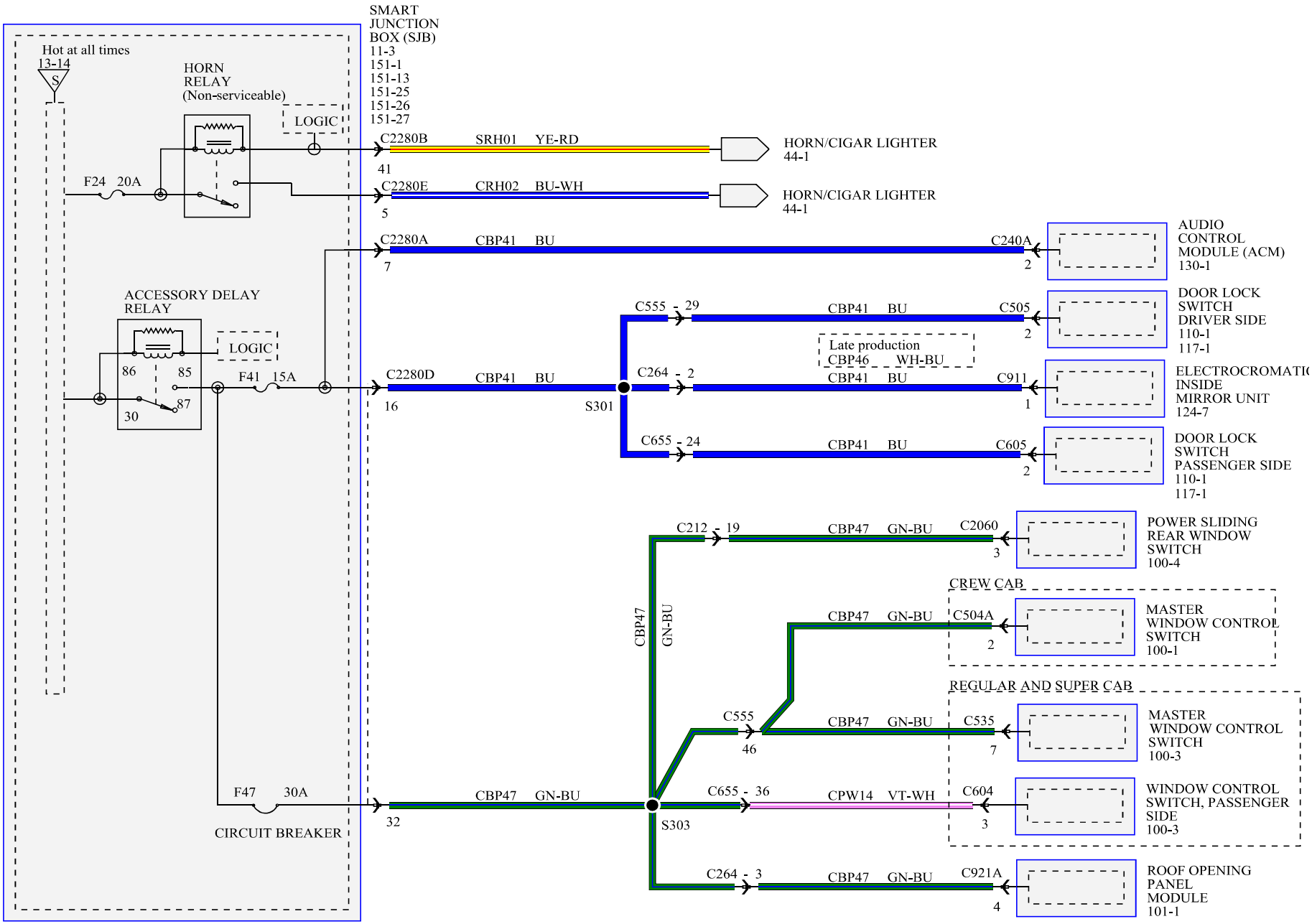
F17, F19, F20


SMART JUNCTION BOX (SJB)
11-3
151-13
151-25
151-26
151-27
Hot at all times
13-12
LIFTGATE
LOGIC
(FET)
LIFTGLASS RLEASE RELAY
(Non-serviceable)
LOGIC
DRIVER UNLOCK RELAY
(Non-serviceable)
F17 20A
ALL UNLOCK RELAY
(Non-serviceable)
LOGIC
ALL LOCK RELAY
(Non-serviceable)
F19 25A
F20 15A
13-14
C2280D
28
27
6
7
10
C2280A
SBP20 GN-RD
GD179 BK-VT
S308
G302
10-9
S228
S333
S800
S700
S302
DOOR LOCK ACTUATOR, LEFT FRONT
151-21
C555 - 43
CPL43 VT-GY
C525
2
1
CPL11 GY-BN
C555 - 44
DOOR LOCK ACTUATOR, RIGHT REAR
151-24
CPL13 BN-GN
C855
13
6
C804
2
1
C855 - 14
DOOR LOCK ACTUATOR, LEFT REAR
151-24
C755
6
C704
2
1
C755 - 14
DOOR LOCK ACTUATOR, PASSENGER SIDE
151-22
C655
39
C603
2
1
C655 - 40
C2089
2
ADJUSTABLE PEDAL SWITCH
127-1
127-2
C251
16
DATA LINK CONNECTOR (DLC)
14-1

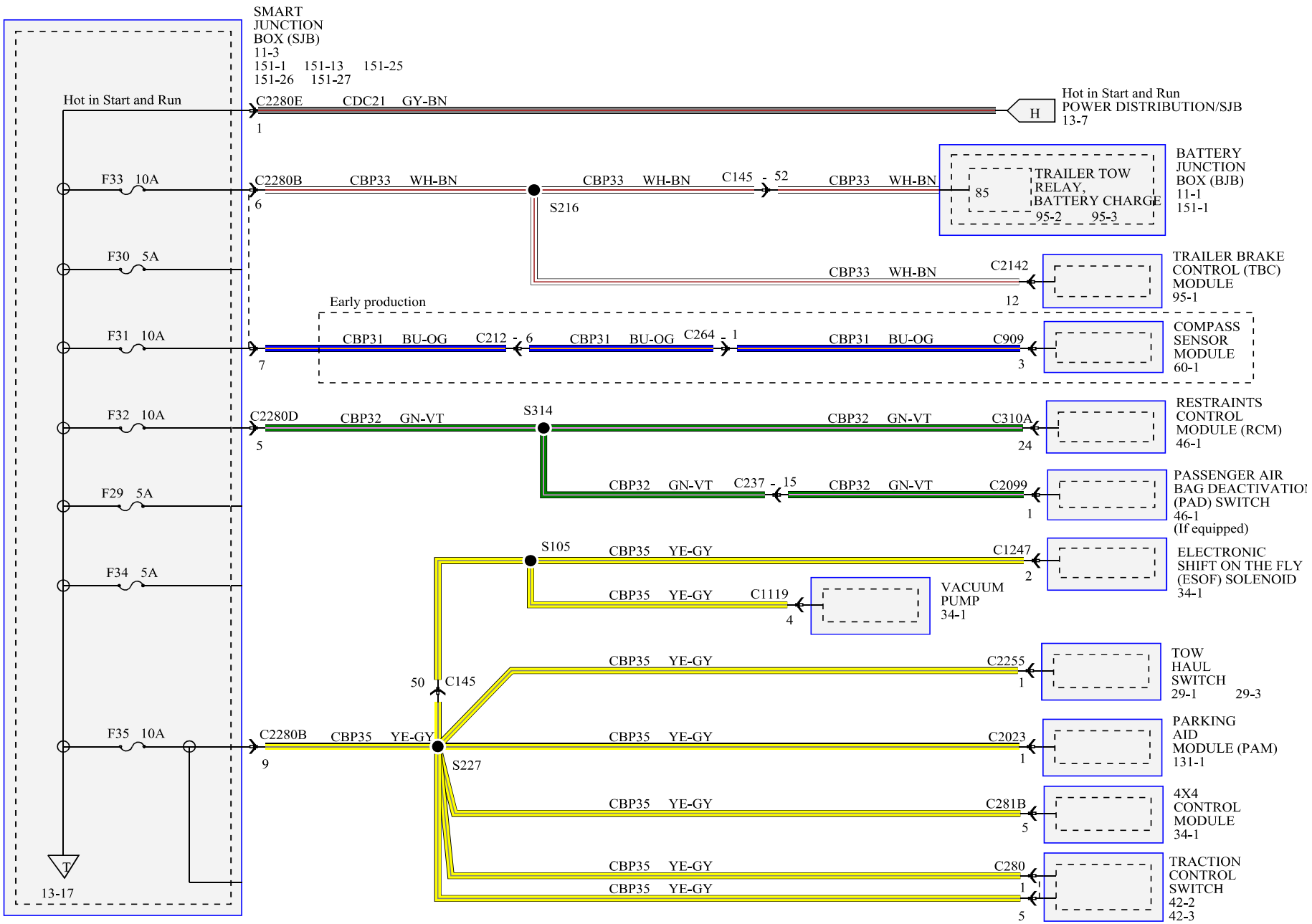
F21, F22


SMART JUNCTION BOX (SJB)
11-3
151-1
151-12
151-25
151-26
151-27
Hot at all times
13-13
R
FOG LAMP RELAY (Non-serviceable)
LOGIC
F21 15A
RH CORNER (FET)
LH CORNER (FET)
LOGIC
PARK LAMP RELAY (Non-serviceable)
LOGIC
F22 15A
S
13-15
C2280E CLF21 GY-VT C134 3 4 CLF21 GY-VT
S142
CLF21 GY-VT C162 2
FOG LAMP, RIGHT 86-1
CLF21 GY-VT C152 2
FOG LAMP, LEFT 86-1
C2280A 6
CLF21 GY-VT C205 7
MAIN LIGHT SWITCH 85-1
C2280F CLF07 GY-OG C210 19 7 CLF07 GY-OG C655 26
CLF07 GY-OG C601 8
EXTERIOR REAR VIEW MIRROR, PASSENGER SIDE 124-6
CLF06 BN-GN 17 10 CLF06 BN-GN C555 31
CLF06 BN-GN C521 8
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE 124-6
C2280E CLS30 VT-WH 6
PARKING, REAR AND LICENSE LAMPS 92-2
C2280D CLS30 VT-WH C913 20 4 CLS30 VT-WH
S906
CLS30 VT-WH C974 1
ROOF MARKER LAMP, RIGHT 92-2
CLS30 VT-WH C973 1
ROOF MARKER LAMP, RIGHT CENTER 92-2
CLS30 VT-WH C972 1
ROOF MARKER LAMP, CENTER 92-2
CLS30 VT-WH C971 1
ROOF MARKER LAMP, LEFT CENTER 92-2
CLS30 VT-WH C970 1
ROOF MARKER LAMP, LEFT 92-2

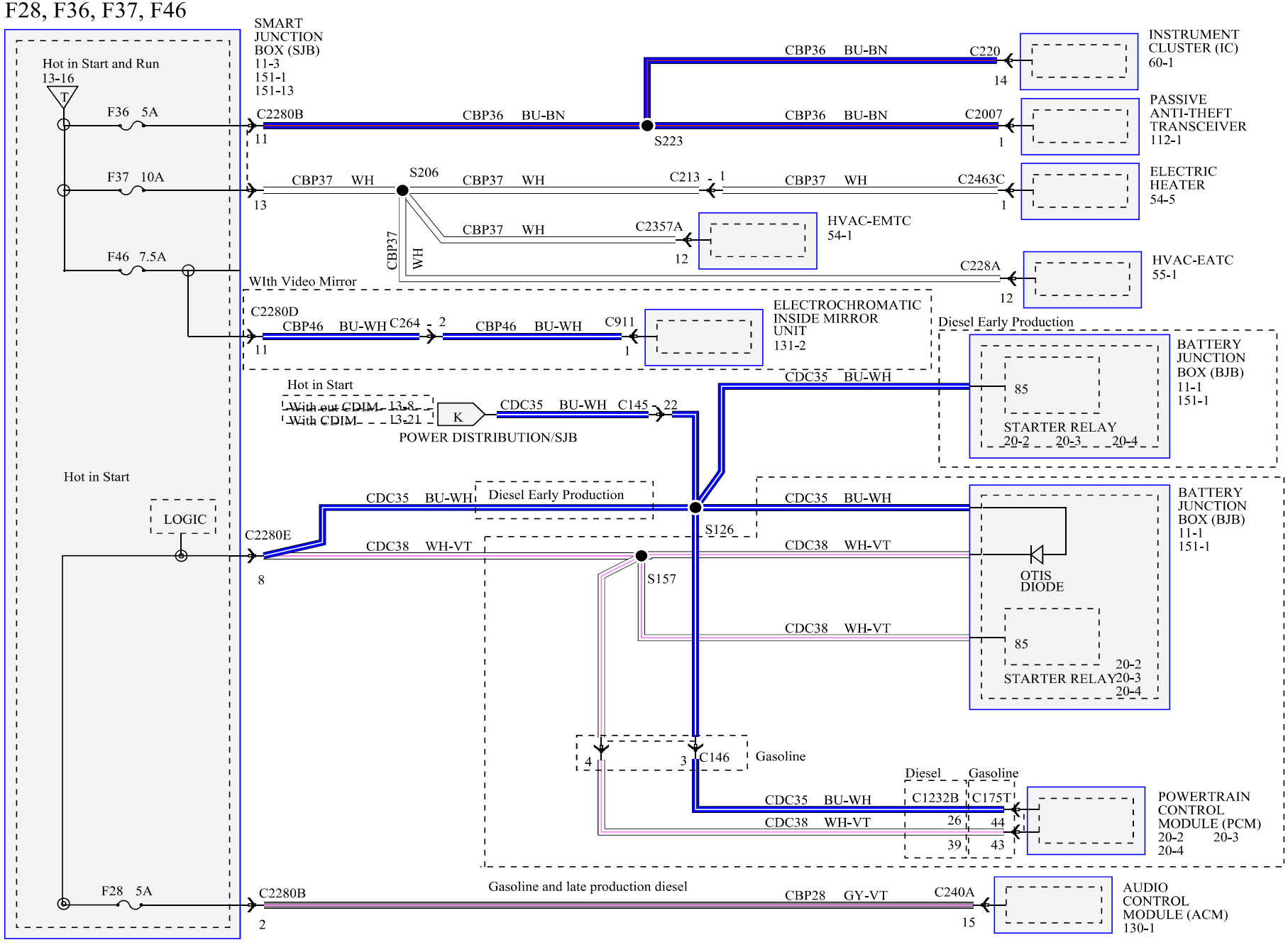
F24, F41, F47 CIRCUIT BREAKER



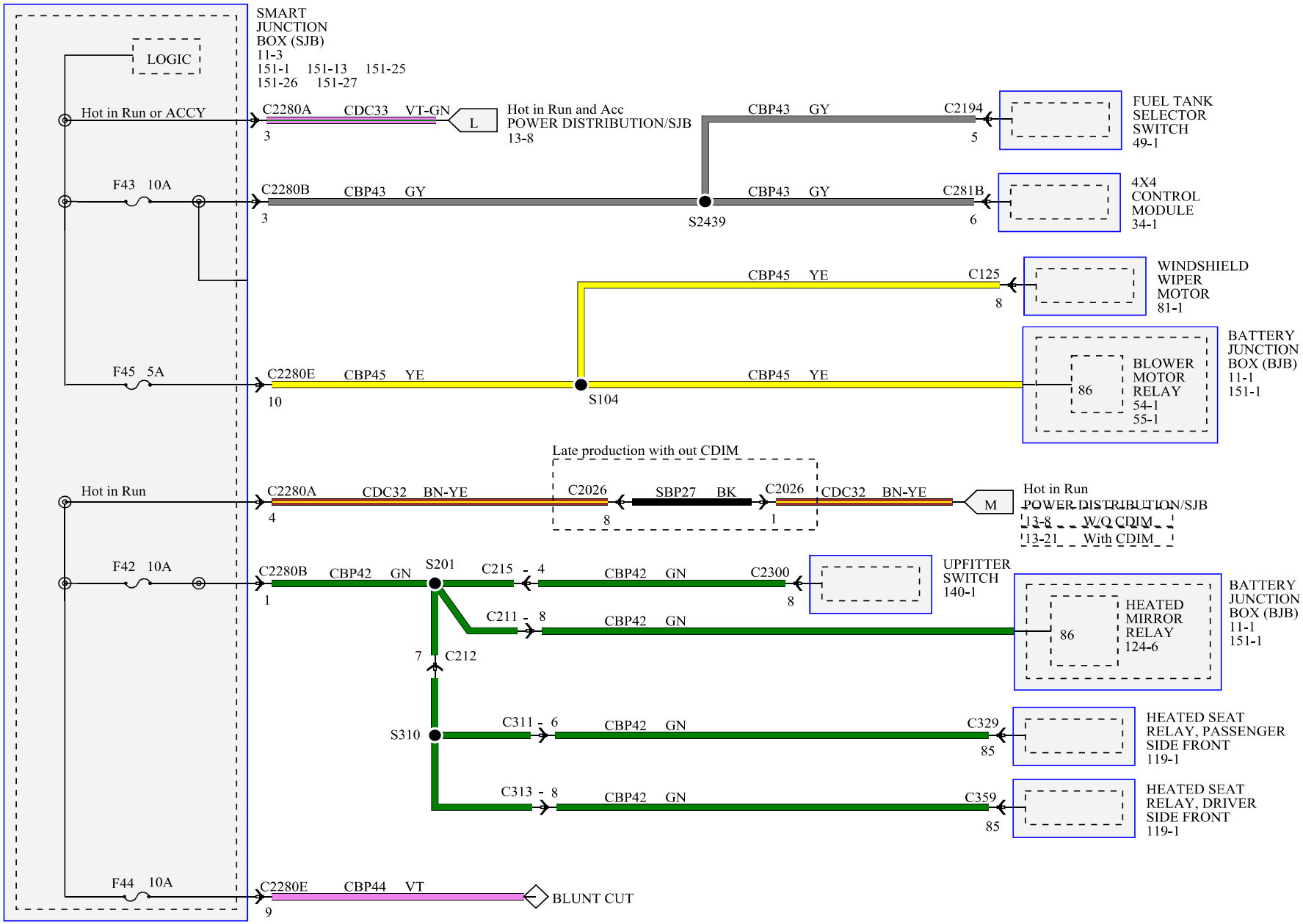
F29, F30, F31, F32, F33, F34, F35

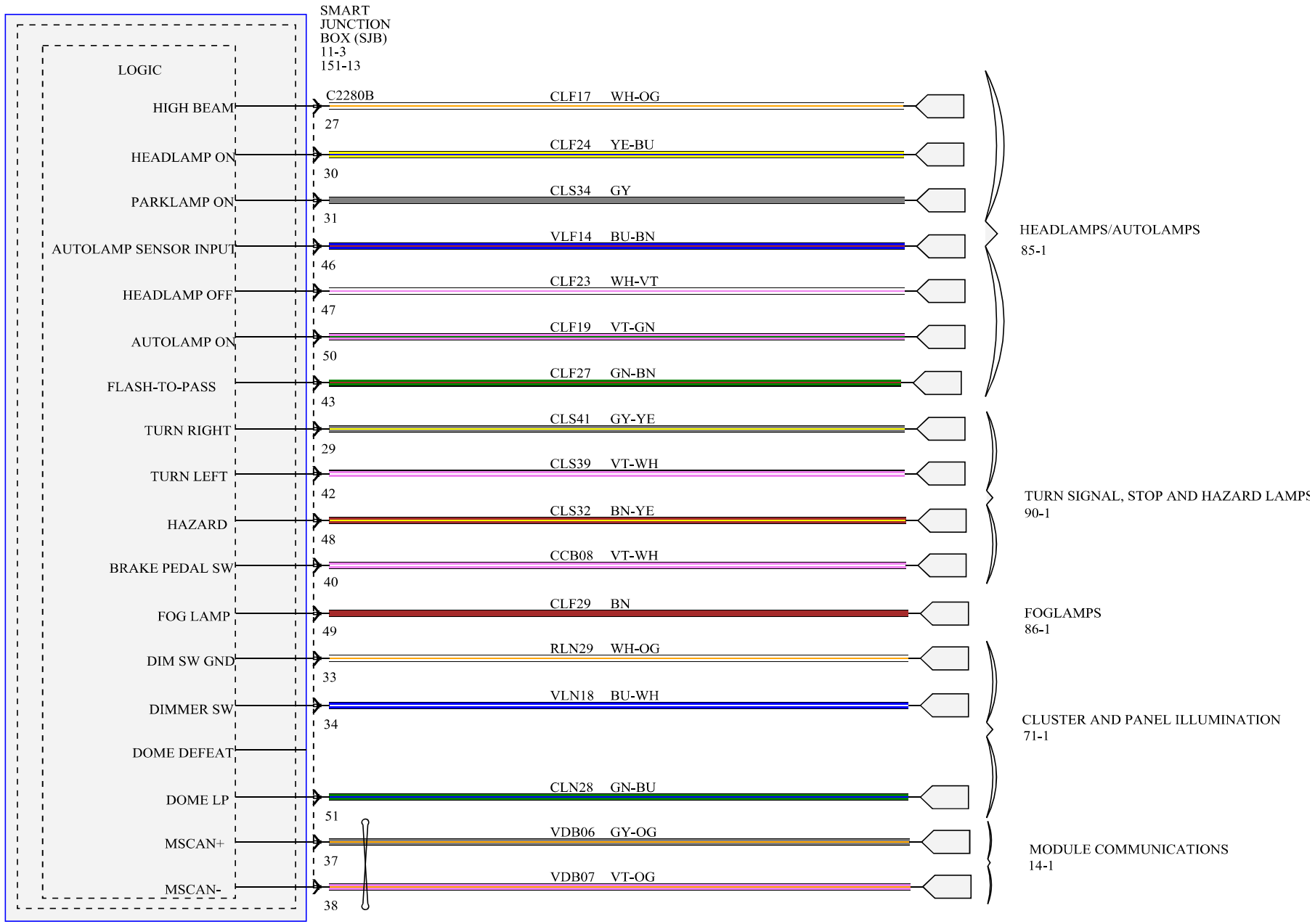


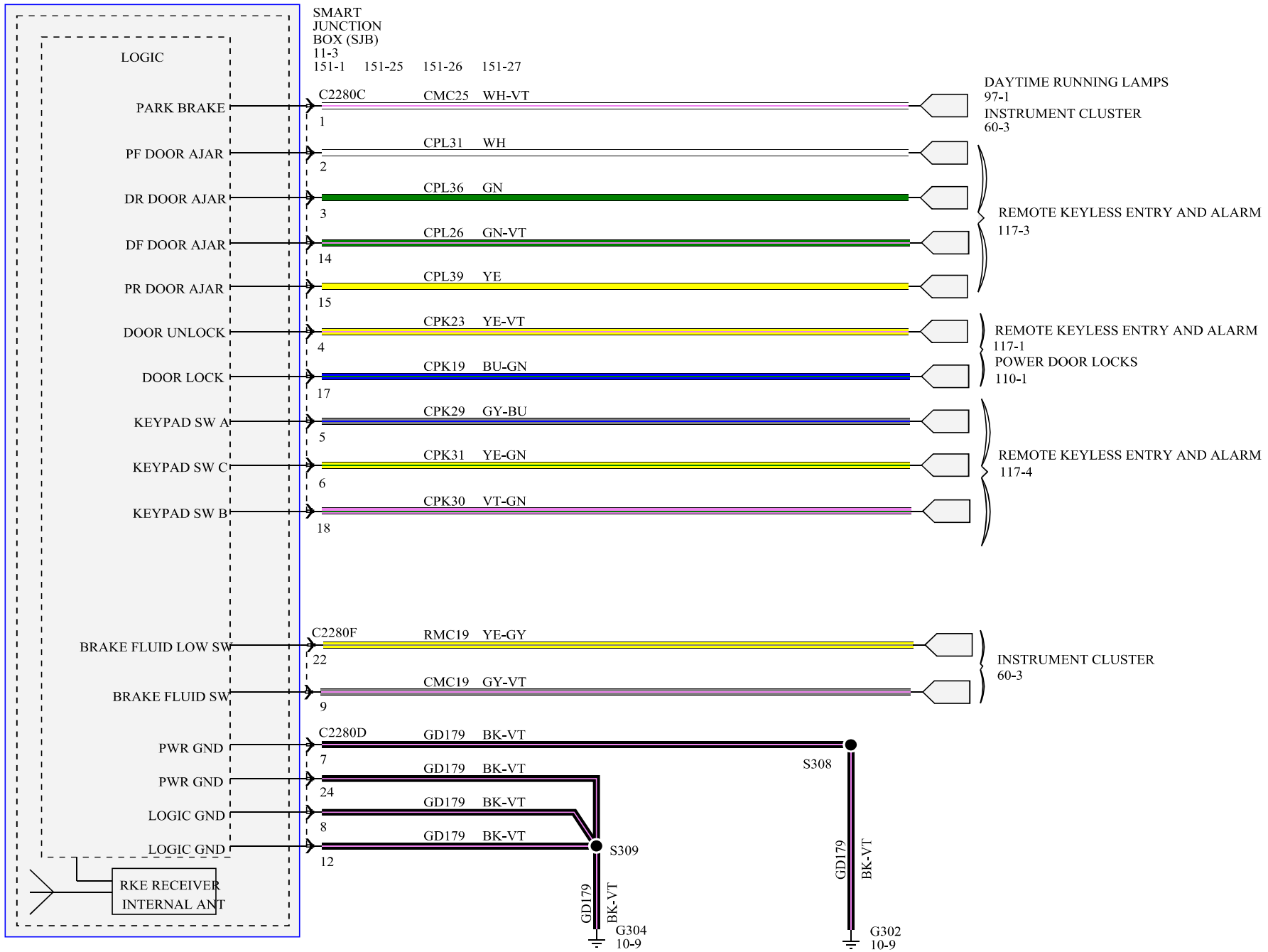
F28, F36, F37, F46



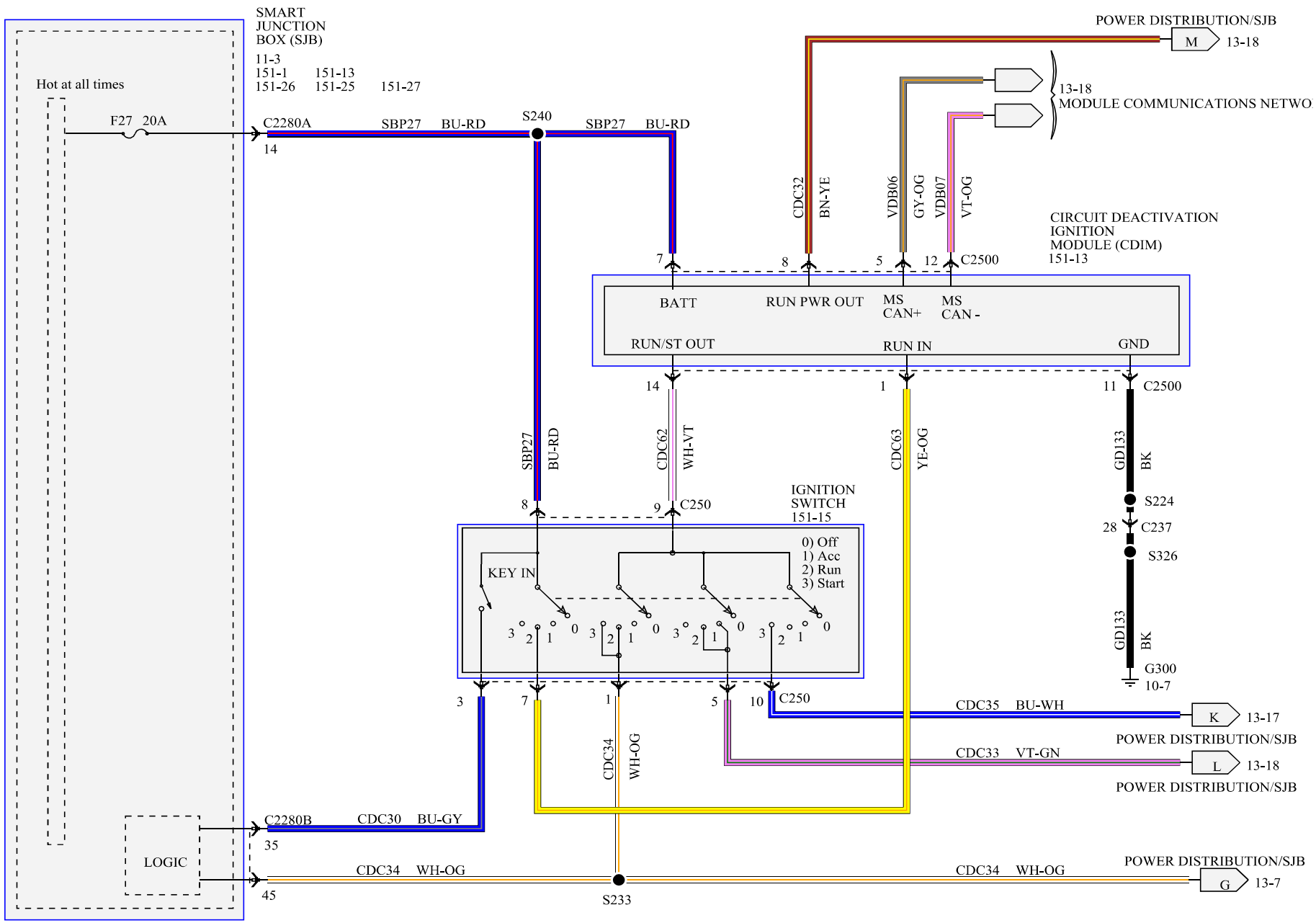
F42, F43, F44, F45

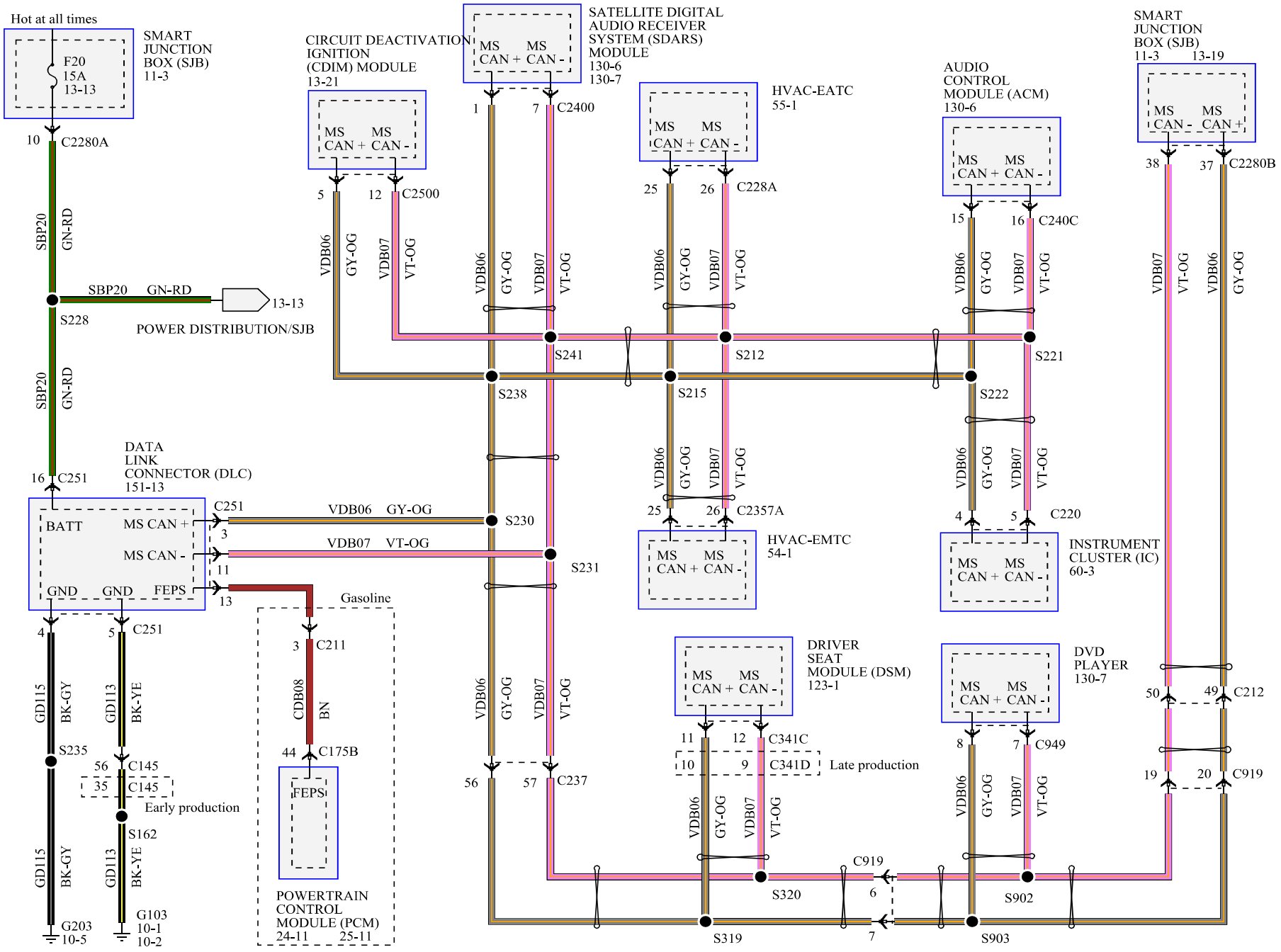


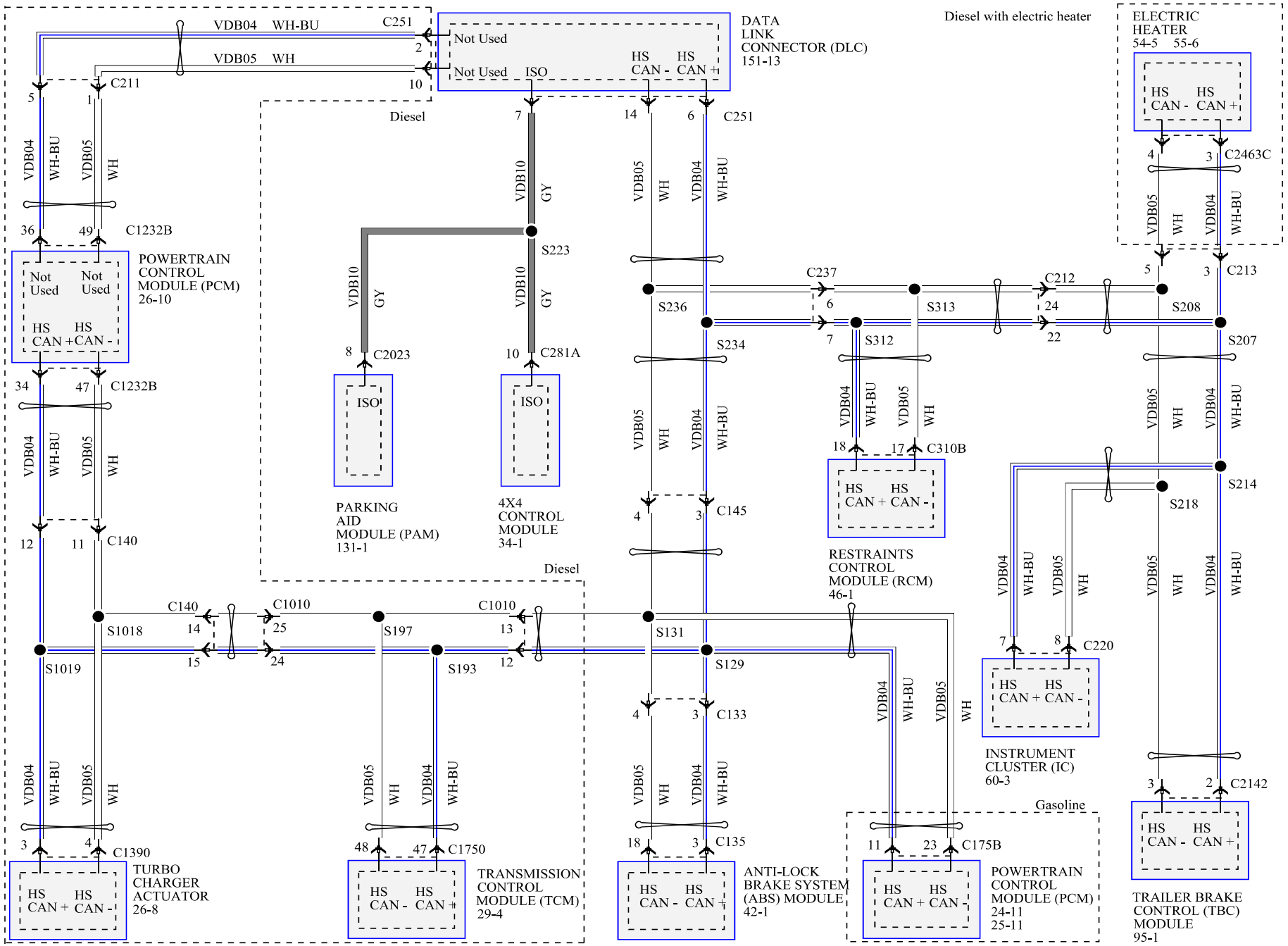

SMART JUNCTION BOX (SJB)
11-3
151-13
LOGIC
HIGH BEAM
HEADLAMP ON
PARKLAMP ON
AUTOLAMP SENSOR INPUT
HEADLAMP OFF
AUTOLAMP ON
FLASH-TO-PASS
TURN RIGHT
TURN LEFT
HAZARD
BRAKE PEDAL SW
FOG LAMP
DIM SW GND
DIMMER SW
DOME DEFEAT
DOME LP
MSCAN+
MSCAN-
C2280B
27
30
31
46
47
50
43
29
42
48
40
49
33
34
51
37
38
CLF17 WH-OG
CLF24 YE-BU
CLS34 GY
VLF14 BU-BN
CLF23 WH-VT
CLF19 VT-GN
CLF27 GN-BN
CLS41 GY-YE
CLS39 VT-WH
CLS32 BN-YE
CCB08 VT-WH
CLF29 BN
RLN29 WH-OG
VLN18 BU-WH
CLN28 GN-BU
VDB06 GY-OG
VDB07 VT-OG
HEADLAMPS/AUTOLAMPS
85-1
TURN SIGNAL, STOP AND HAZARD LAMPS
90-1
FOGLAMPS
86-1
CLUSTER AND PANEL ILLUMINATION
71-1
MODULE COMMUNICATIONS
14-1

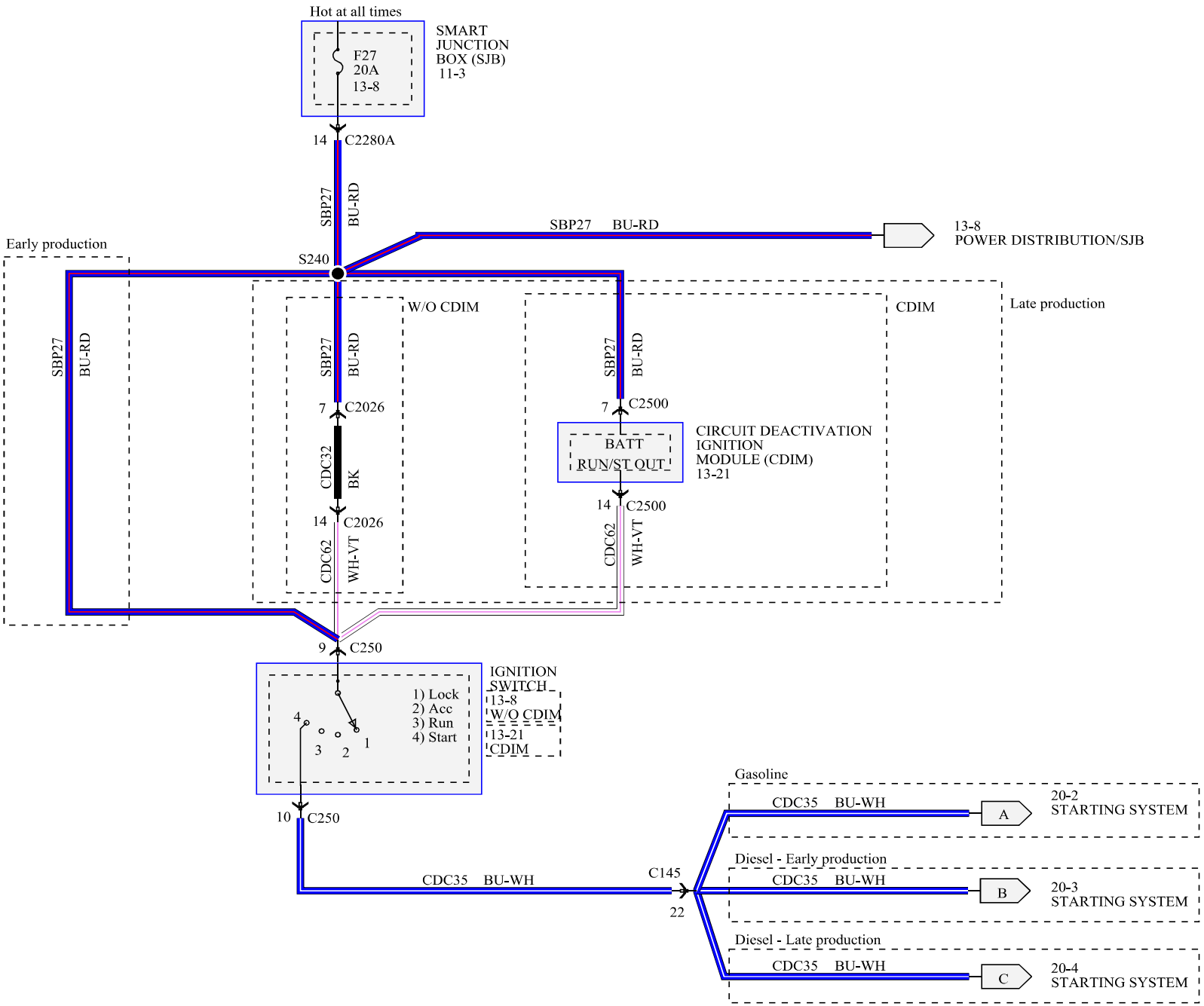

SMART
JUNCTION
BOX (SJB)
11-3
151-1 151-25 151-26 151-27
LOGIC
PARK BRAKE
PF DOOR AJAR
DR DOOR AJAR
DF DOOR AJAR
PR DOOR AJAR
DOOR UNLOCK
DOOR LOCK
KEYPAD SW A
KEYPAD SW C
KEYPAD SW B
BRAKE FLUID LOW SW
BRAKE FLUID SW
PWR GND
PWR GND
LOGIC GND
LOGIC GND
RKE RECEIVER
INTERNAL ANT
C2280C
CMC25 WH-VT
1
CPL31 WH
2
CPL36 GN
3
CPL26 GN-VT
14
CPL39 YE
15
CPK23 YE-VT
4
CPK19 BU-GN
17
CPK29 GY-BU
5
CPK31 YE-GN
6
CPK30 VT-GN
18
C2280F
RMC19 YE-GY
22
CMC19 GY-VT
9
C2280D
GD179 BK-VT
7
GD179 BK-VT
24
GD179 BK-VT
8
GD179 BK-VT
12
S309
GD179 BK-VT
G304
10-9
S308
GD179 BK-VT
G302
10-9
DAYTIME RUNNING LAMPS
97-1
INSTRUMENT CLUSTER
60-3
REMOTE KEYLESS ENTRY AND ALARM
117-3
REMOTE KEYLESS ENTRY AND ALARM
117-1
POWER DOOR LOCKS
110-1
REMOTE KEYLESS ENTRY AND ALARM
117-4
INSTRUMENT CLUSTER
60-3

F27 With CDIM

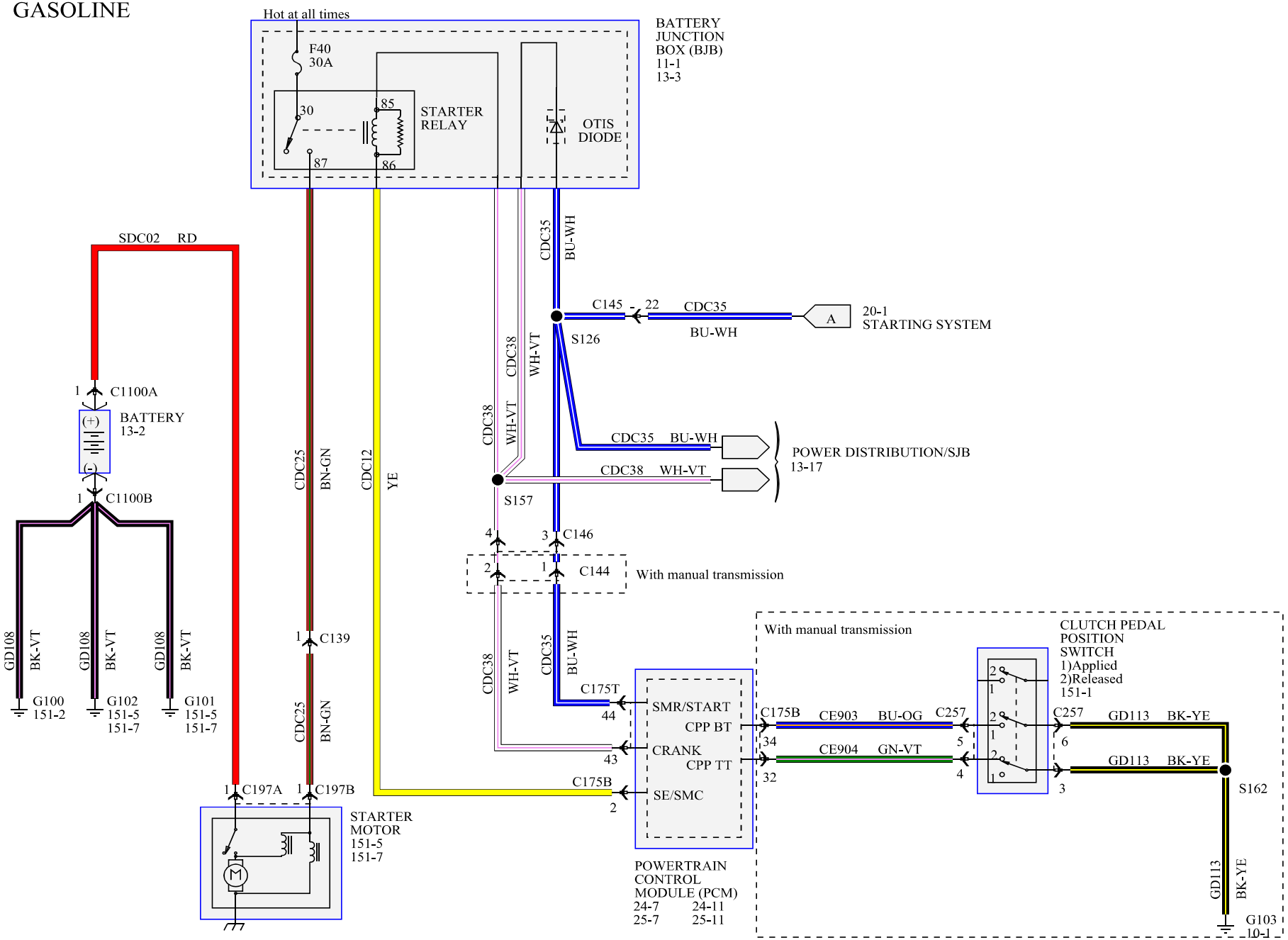



Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F20 15A 13-13
10 C2280A
SBP20 GN-RD
S228
SBP20 GN-RD 13-13
POWER DISTRIBUTION/SJB
SBP20 GN-RD
16 C251
DATA LINK CONNECTOR (DLC) 151-13
BATT
MS CAN +
MS CAN -
GND GND FEPS
C251
3
11
13
VDB06 GY-OG
VDB07 VT-OG
S230
S231
4 5 C251
GD115 BK-GY
GD113 BK-YE
S235
56 C145
35 C145
Early production
S162
G203 10-5
G103 10-1 10-2
Gasoline
3 C211
CDB08 BN
44 C175B
FEPS
POWERTRAIN CONTROL MODULE (PCM) 24-11 25-11
CIRCUIT DEACTIVATION IGNITION (CDIM) MODULE 13-21
MS CAN + MS CAN -
5 12 C2500
VDB06 GY-OG
VDB07 VT-OG
SATELLITE DIGITAL AUDIO RECEIVER SYSTEM (SDARS) MODULE 130-6 130-7
1 7 C2400
S241
S238
HVAC-EATC 55-1
25 26 C228A
S212
S215
25 26 C2357A
HVAC-EMTC 54-1
AUDIO CONTROL MODULE (ACM) 130-6
15 16 C240C
S221
S222
4 5 C220
INSTRUMENT CLUSTER (IC) 60-3
SMART JUNCTION BOX (SJB) 11-3 13-19
38 37 C2280B
VDB07 VT-OG
VDB06 GY-OG
50 49 C212
19 20 C919
DRIVER SEAT MODULE (DSM) 123-1
11 12 C341C
10 9 C341D
Late production
56 57 C237
S319
S320
C919
6
7
S902
S903
DVD PLAYER 130-7
8 7 C949

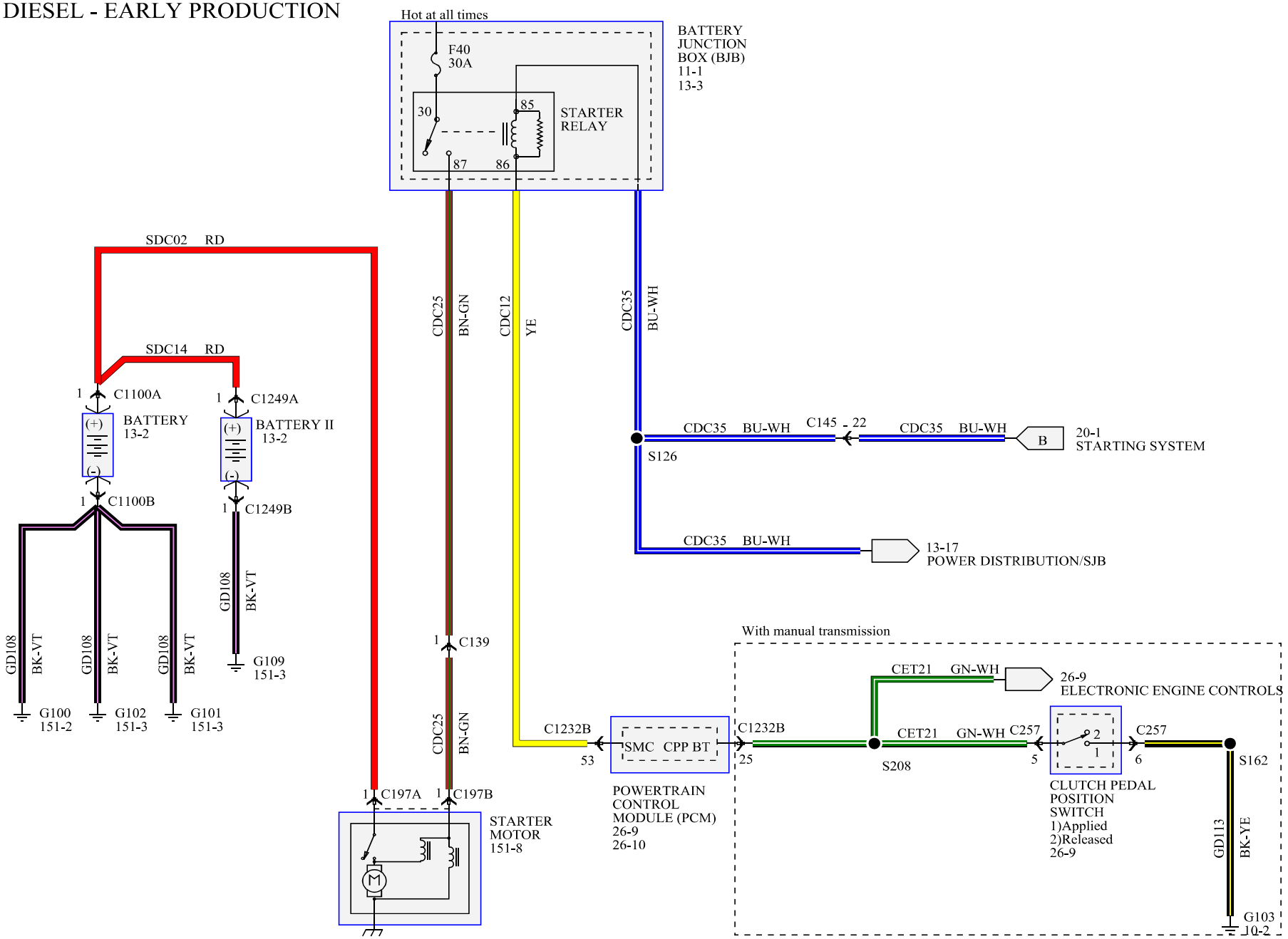

VDB04 WH-BU
VDB05 WH
C251
Not Used
Not Used ISO
HS CAN - HS CAN +
DATA LINK CONNECTOR (DLC) 151-13
Diesel with electric heater
ELECTRIC HEATER 54-5 55-6
C211
Diesel
VDB10 GY
S223
C1232B
POWERTRAIN CONTROL MODULE (PCM) 26-10
Not Used Not Used
HS CAN + HS CAN -
C2023
C281A
ISO
PARKING AID MODULE (PAM) 131-1
4X4 CONTROL MODULE 34-1
S236
S234
C237
S313
C212
S208
S207
C213
C2463C
S312
C310B
RESTRAINTS CONTROL MODULE (RCM) 46-1
C145
C140
S1018
S1019
C1010
S197
S193
S131
S129
S214
S218
C220
INSTRUMENT CLUSTER (IC) 60-3
Gasoline
C133
C135
C175B
POWERTRAIN CONTROL MODULE (PCM) 24-11 25-11
C1390
TURBO CHARGER ACTUATOR 26-8
C1750
TRANSMISSION CONTROL MODULE (TCM) 29-4
ANTI-LOCK BRAKE SYSTEM (ABS) MODULE 42-1
C2142
TRAILER BRAKE CONTROL (TBC) MODULE 95-1


Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F27 20A 13-8
14 C2280A
SBP27 BU-RD
SBP27 BU-RD
13-8 POWER DISTRIBUTION/SJB
Early production
S240
SBP27 BU-RD
W/O CDIM
CDIM
Late production
SBP27 BU-RD
7 C2026
CDC32 BK
14 C2026
CDC62 WH-VT
SBP27 BU-RD
7 C2500
BATT
RUN/ST OUT
CIRCUIT DEACTIVATION IGNITION MODULE (CDIM) 13-21
14 C2500
CDC62 WH-VT
9 C250
IGNITION SWITCH 13-8 W/O CDIM 13-21 CDIM
1) Lock
2) Acc
3) Run
4) Start
4
3
2
1
10 C250
CDC35 BU-WH
C145
22
Gasoline
CDC35 BU-WH
A
20-2 STARTING SYSTEM
Diesel - Early production
CDC35 BU-WH
B
20-3 STARTING SYSTEM
Diesel - Late production
CDC35 BU-WH
C
20-4 STARTING SYSTEM

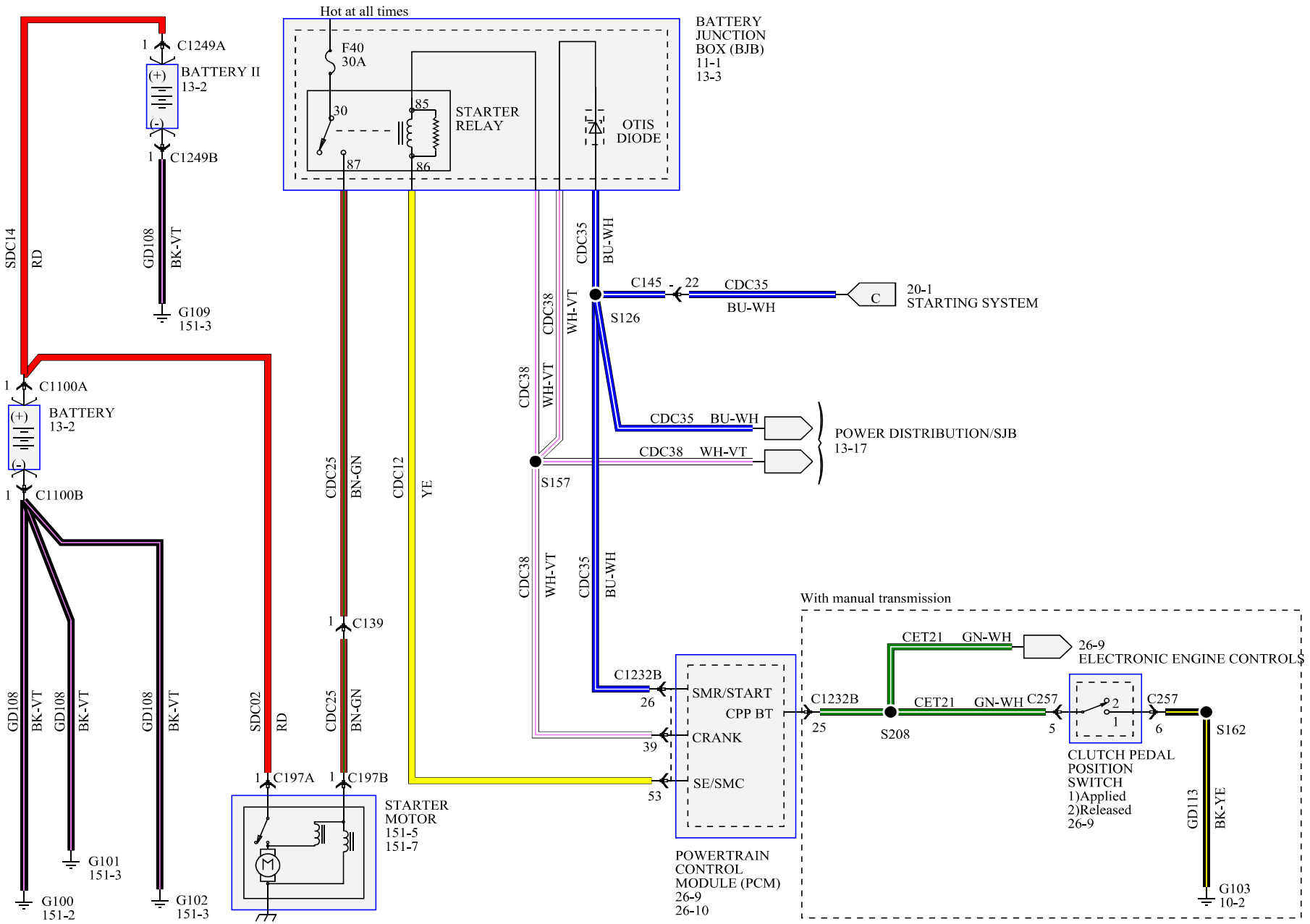
GASOLINE

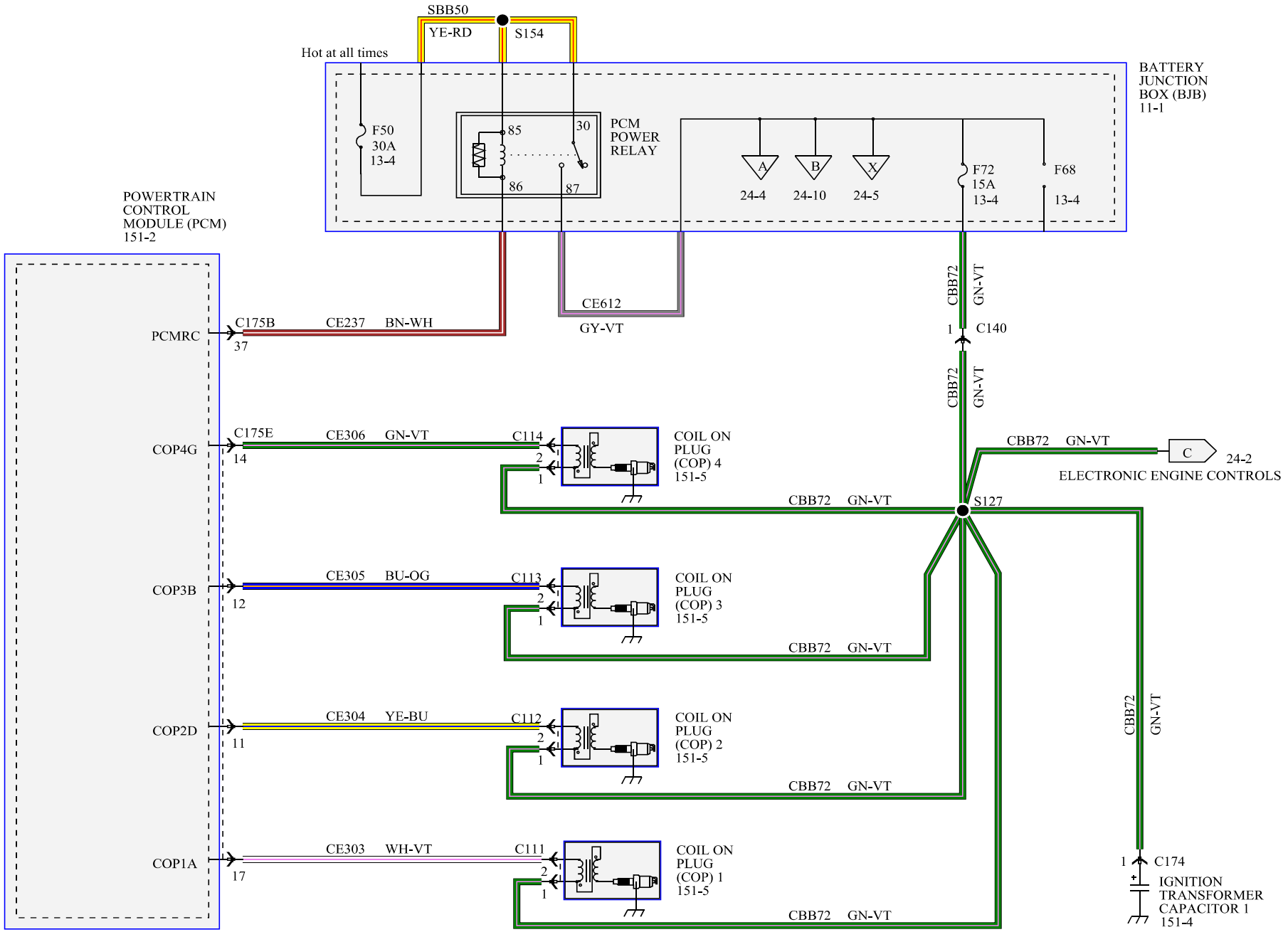

Hot at all times
F40
30A
30
85
STARTER
RELAY
87
86
OTIS
DIODE
BATTERY
JUNCTION
BOX (BJB)
11-1
13-3
SDC02 RD
1 C1100A
(+)
BATTERY
13-2
(-)
1 C1100B
GD108 BK-VT
G100
151-2
GD108 BK-VT
G102
151-5
151-7
GD108 BK-VT
G101
151-5
151-7
CDC25 BN-GN
CDC12 YE
CDC35 BU-WH
CDC38 WH-VT
C145 22 CDC35
BU-WH
A
20-1
STARTING SYSTEM
S126
CDC35 BU-WH
CDC38 WH-VT
POWER DISTRIBUTION/SJB
13-17
S157
4 3 C146
2 1 C144
With manual transmission
1 C139
CDC25 BN-GN
1 C197A 1 C197B
STARTER
MOTOR
151-5
151-7
C175T
44
43
C175B
2
SMR/START
CPP BT
CRANK
CPP TT
SE/SMC
POWERTRAIN
CONTROL
MODULE (PCM)
24-7 24-11
25-7 25-11
With manual transmission
CLUTCH PEDAL
POSITION
SWITCH
1)Applied
2)Released
151-1
C175B CE903 BU-OG C257
34
5
CE904 GN-VT
32
4
C257 GD113 BK-YE
6
GD113 BK-YE
3
S162
GD113 BK-YE
G103
10-1

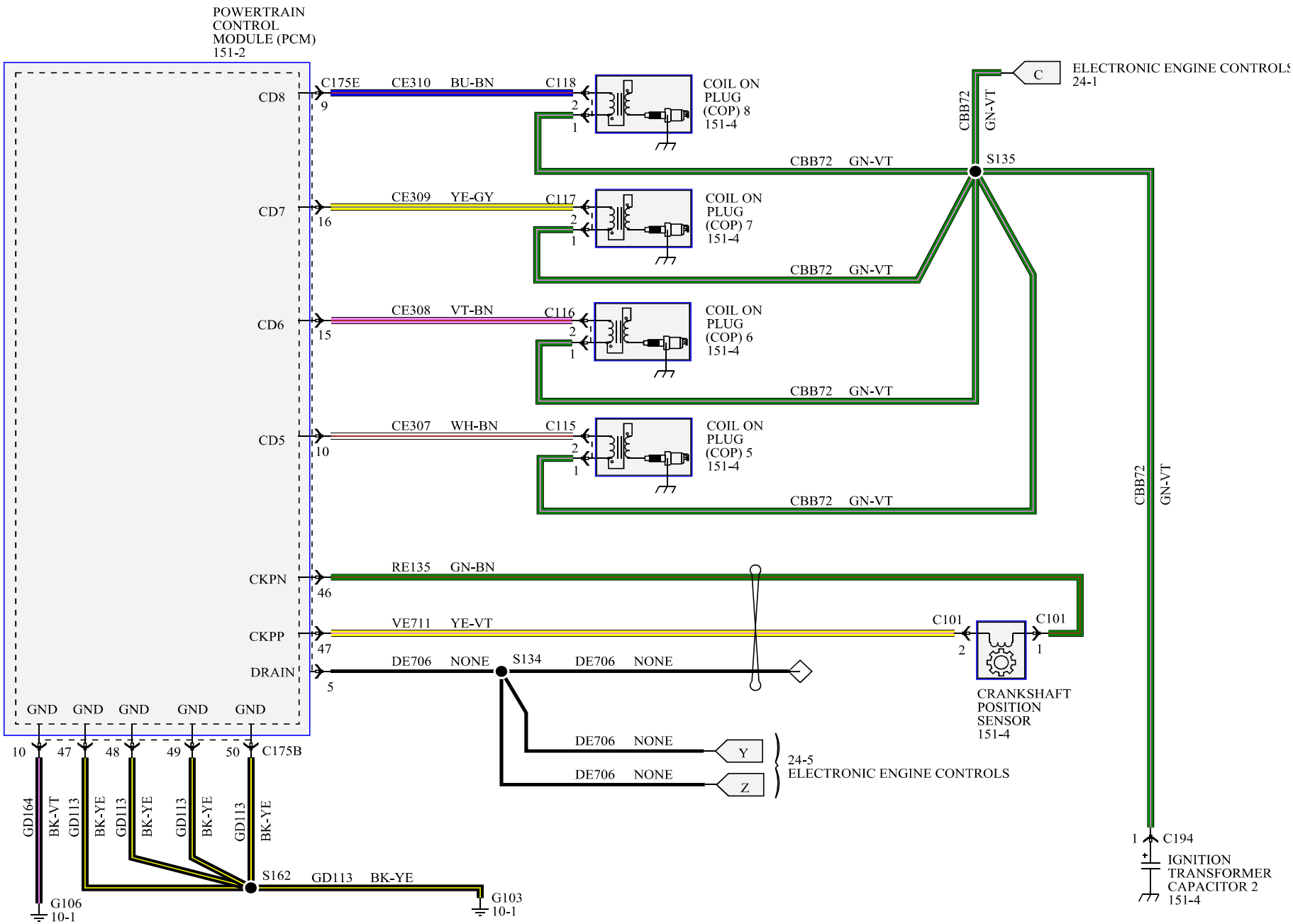
DIESEL - EARLY PRODUCTION

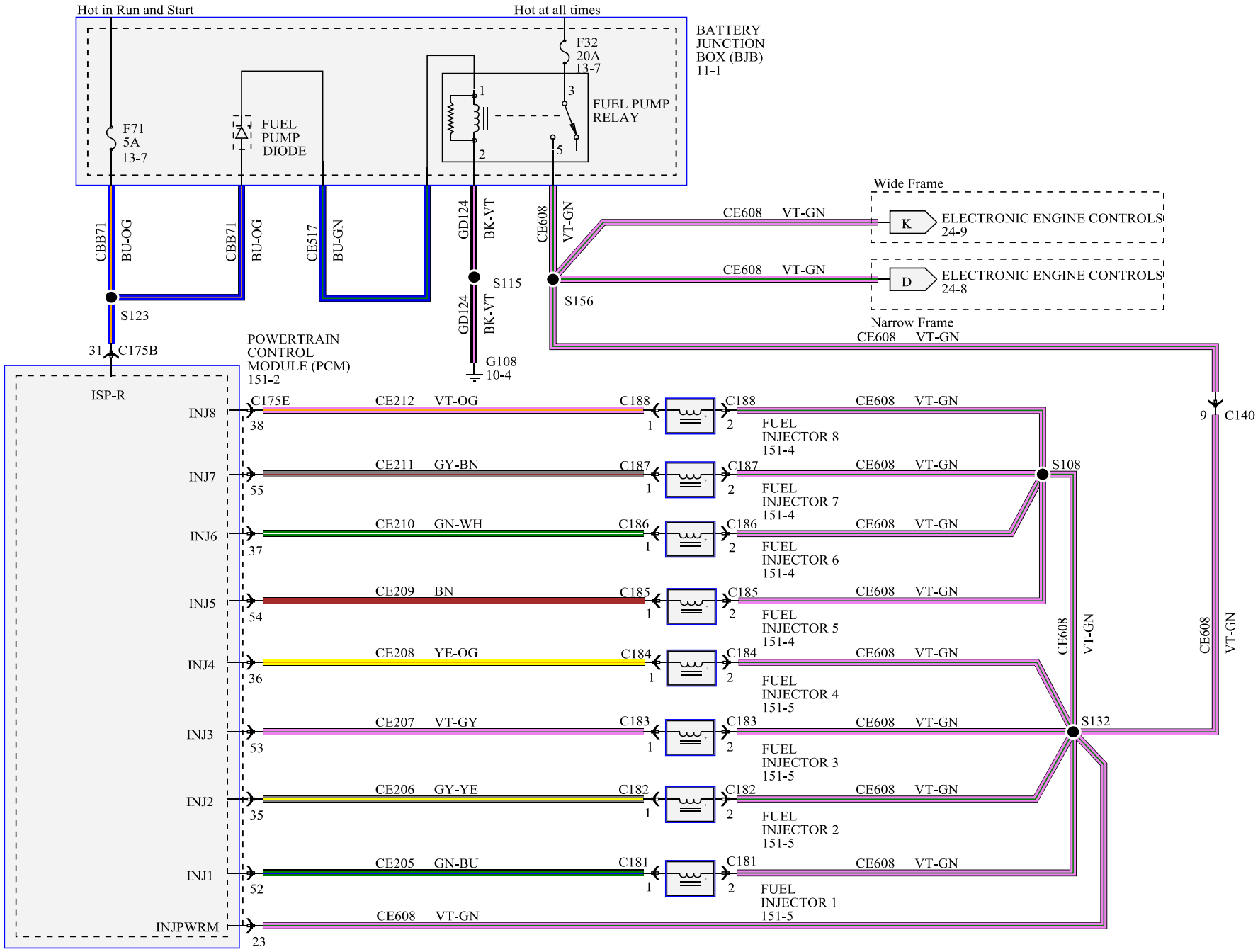


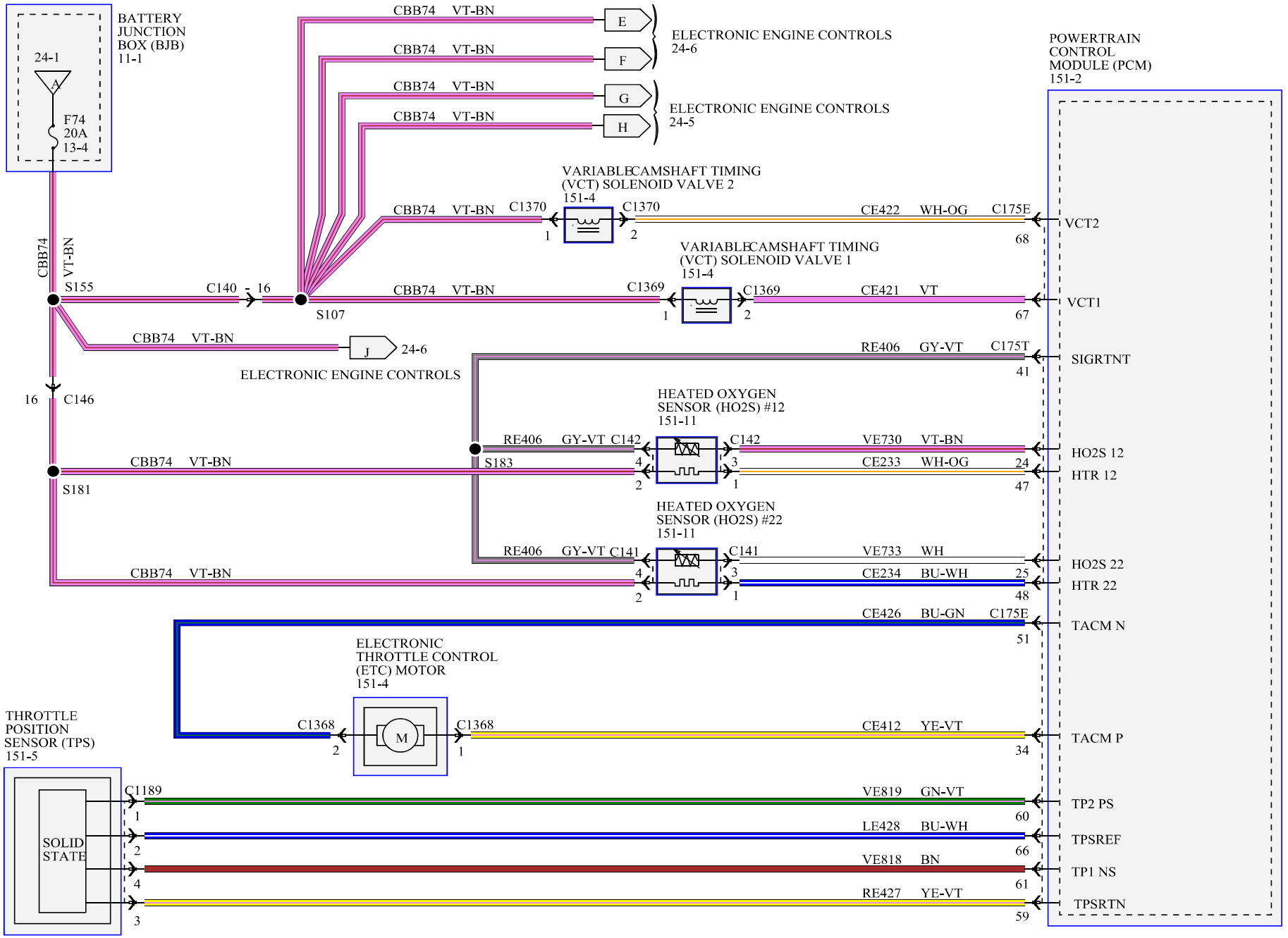
DIESEL - LATE PRODUCTION

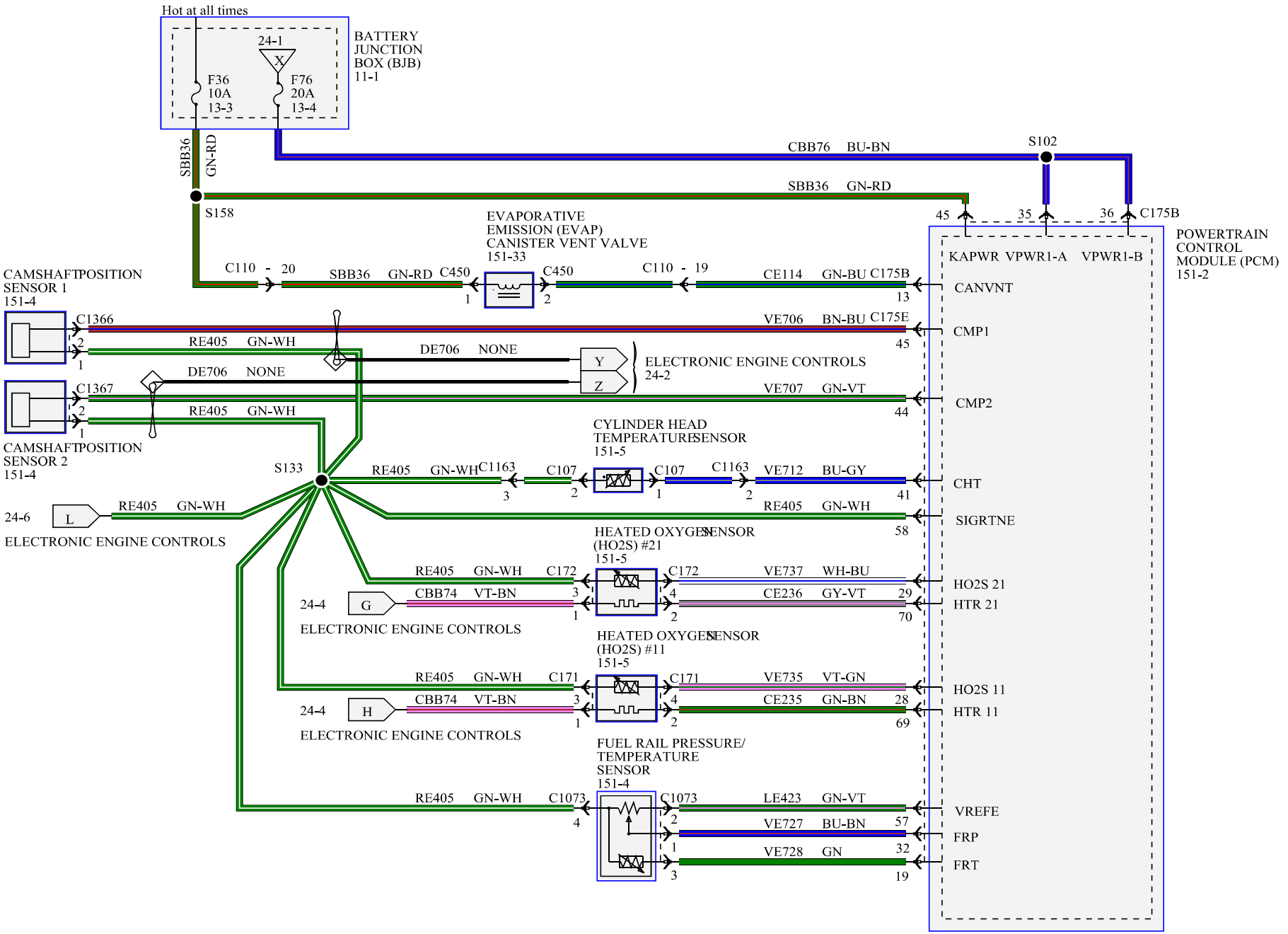


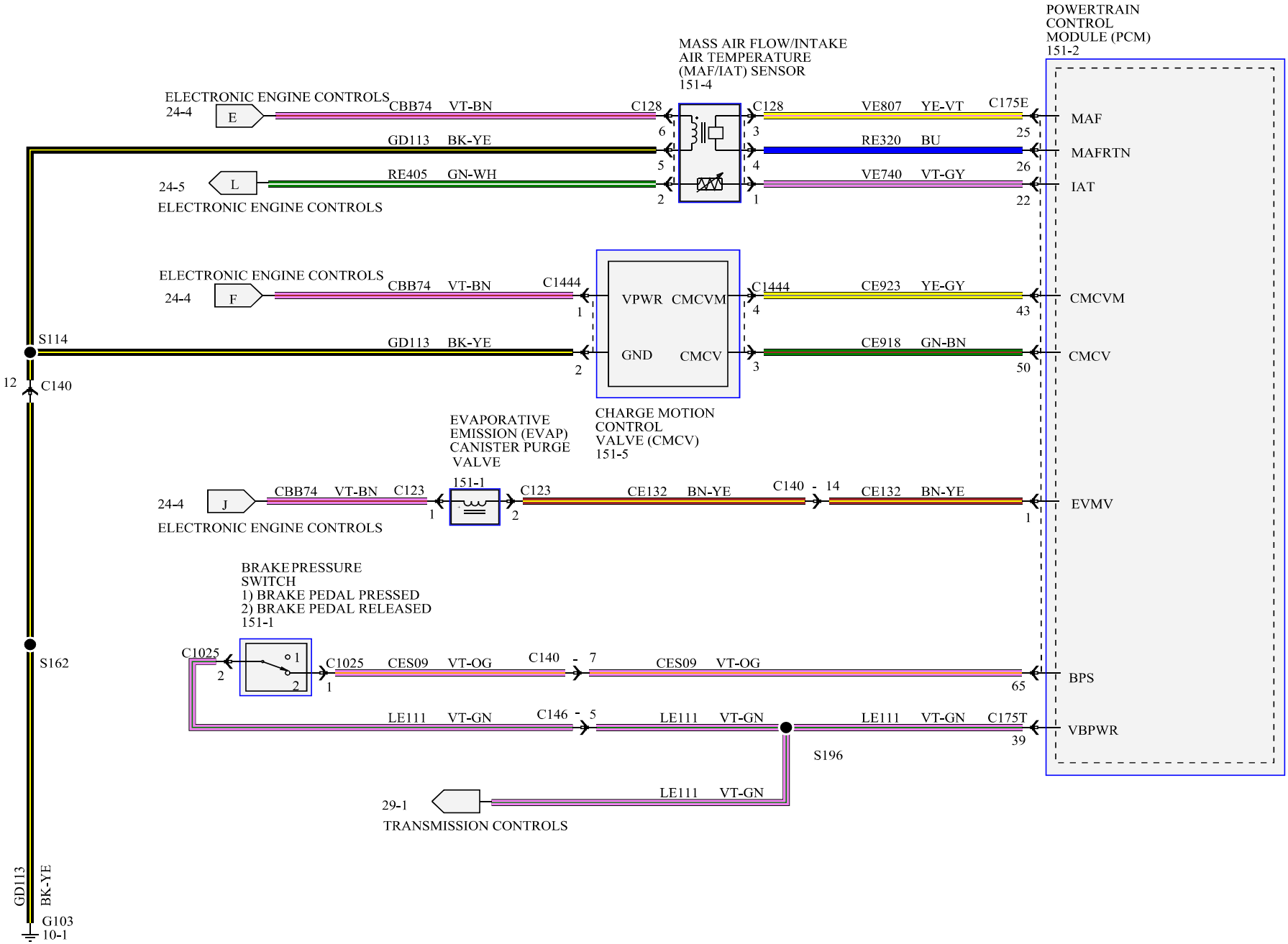

SBB50
YE-RD
S154
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F50 30A 13-4
85
30
86
87
PCM POWER RELAY
A
B
X
24-4
24-10
24-5
F72 15A 13-4
F68
13-4
POWERTRAIN CONTROL MODULE (PCM) 151-2
PCMRC
C175B
37
CE237 BN-WH
CE612
GY-VT
CBB72 GN-VT
1 C140
COP4G
C175E
14
CE306 GN-VT
C114
COIL ON PLUG (COP) 4 151-5
CBB72 GN-VT
C
24-2
ELECTRONIC ENGINE CONTROLS
S127
COP3B
12
CE305 BU-OG
C113
COIL ON PLUG (COP) 3 151-5
COP2D
11
CE304 YE-BU
C112
COIL ON PLUG (COP) 2 151-5
COP1A
17
CE303 WH-VT
C111
COIL ON PLUG (COP) 1 151-5
1 C174
IGNITION TRANSFORMER CAPACITOR 1 151-4

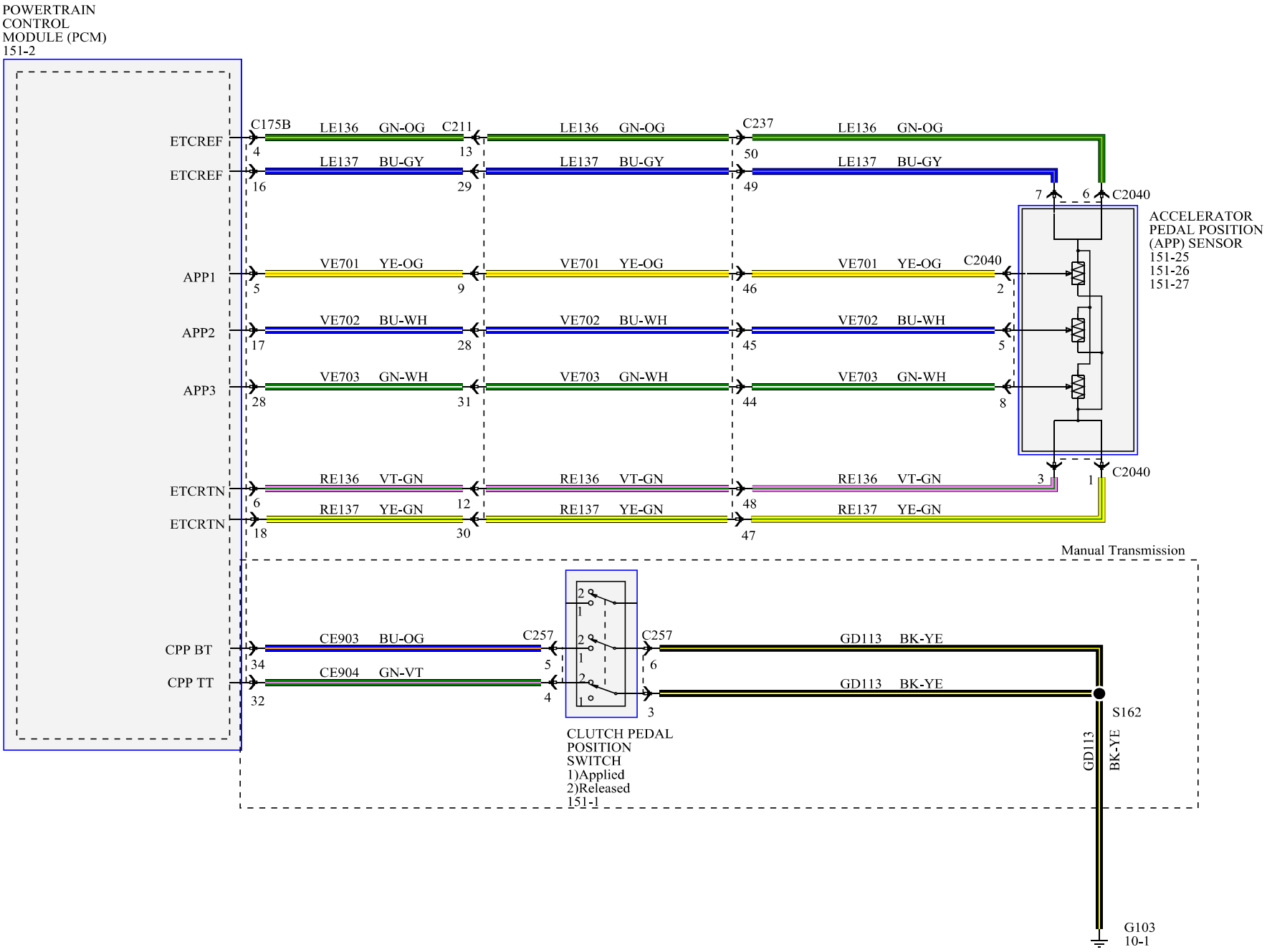

POWERTRAIN CONTROL MODULE (PCM) 151-2
CD8
CD7
CD6
CD5
CKPN
CKPP
DRAIN
C175E
CE310 BU-BN
C118
COIL ON PLUG (COP) 8 151-4
CE309 YE-GY
C117
COIL ON PLUG (COP) 7 151-4
CE308 VT-BN
C116
COIL ON PLUG (COP) 6 151-4
CE307 WH-BN
C115
COIL ON PLUG (COP) 5 151-4
CBB72 GN-VT
C
ELECTRONIC ENGINE CONTROLS 24-1
S135
RE135 GN-BN
VE711 YE-VT
C101
CRANKSHAFT POSITION SENSOR 151-4
DE706 NONE
S134
Y
Z
24-5 ELECTRONIC ENGINE CONTROLS
GND GND GND GND GND
C175B
GD164 BK-VT
GD113 BK-YE
S162
G106 10-1
G103 10-1
C194
IGNITION TRANSFORMER CAPACITOR 2 151-4


Hot in Run and Start
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F32 20A 13-7
F71 5A 13-7
FUEL PUMP DIODE
FUEL PUMP RELAY
CBB71 BU-OG
CBB71 BU-OG
CE517 BU-GN
GD124 BK-VT
CE608 VT-GN
S115
S123
S156
G108 10-4
31 C175B
POWERTRAIN CONTROL MODULE (PCM) 151-2
ISP-R
INJ8
INJ7
INJ6
INJ5
INJ4
INJ3
INJ2
INJ1
INJPWRM
C175E CE212 VT-OG C188
CE211 GY-BN C187
CE210 GN-WH C186
CE209 BN C185
CE208 YE-OG C184
CE207 VT-GY C183
CE206 GY-YE C182
CE205 GN-BU C181
CE608 VT-GN
38
55
37
54
36
53
35
52
23
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FUEL INJECTOR 7 151-4
FUEL INJECTOR 6 151-4
FUEL INJECTOR 5 151-4
FUEL INJECTOR 4 151-5
FUEL INJECTOR 3 151-5
FUEL INJECTOR 2 151-5
FUEL INJECTOR 1 151-5
Wide Frame
K ELECTRONIC ENGINE CONTROLS 24-9
D ELECTRONIC ENGINE CONTROLS 24-8
Narrow Frame
S108
S132
9 C140

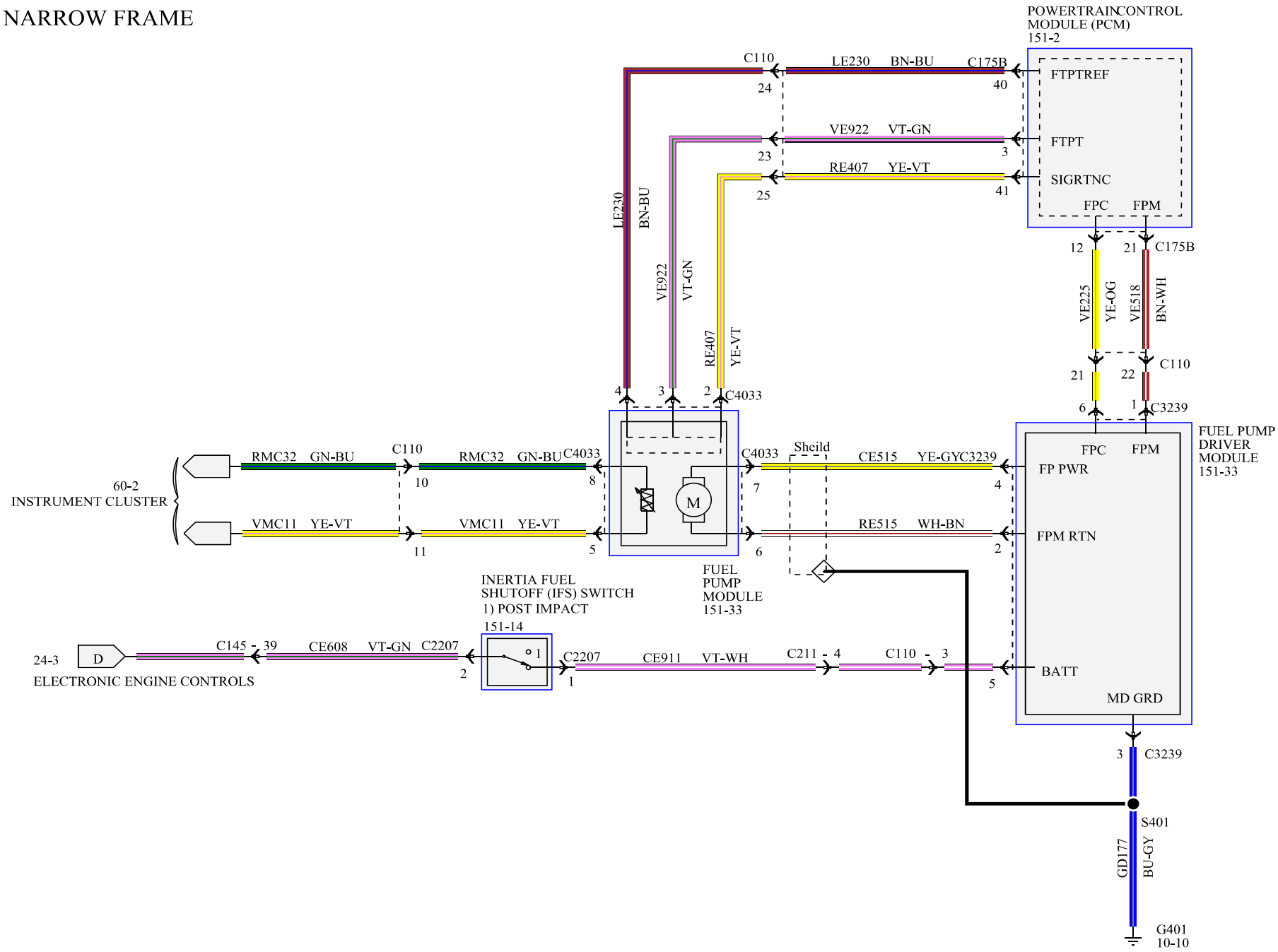

BATTERY JUNCTION BOX (BJB) 11-1
24-1
A
F74 20A 13-4
CBB74 VT-BN
E
F
G
H
ELECTRONIC ENGINE CONTROLS 24-6
ELECTRONIC ENGINE CONTROLS 24-5
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C1370
CE422 WH-OG C175E
68
VCT2
VARIABLECAMSHAFT TIMING (VCT) SOLENOID VALVE 1 151-4
C1369
CE421 VT
67
VCT1
S155
C140 16
S107
J 24-6
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16 C146
RE406 GY-VT C175T
41
SIGRTNT
HEATED OXYGEN SENSOR (HO2S) #12 151-11
RE406 GY-VT C142
C142
VE730 VT-BN
HO2S 12
S183
CE233 WH-OG
24
HTR 12
47
S181
HEATED OXYGEN SENSOR (HO2S) #22 151-11
RE406 GY-VT C141
C141
VE733 WH
HO2S 22
CE234 BU-WH
25
HTR 22
48
CE426 BU-GN C175E
51
TACM N
ELECTRONIC THROTTLE CONTROL (ETC) MOTOR 151-4
C1368
M
CE412 YE-VT
34
TACM P
THROTTLE POSITION SENSOR (TPS) 151-5
SOLID STATE
C1189
VE819 GN-VT
60
TP2 PS
LE428 BU-WH
66
TPSREF
VE818 BN
61
TP1 NS
RE427 YE-VT
59
TPSRTN


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
24-1
X
F36 10A 13-3
F76 20A 13-4
SBB36 GN-RD
CBB76 BU-BN
S102
SBB36 GN-RD
S158
EVAPORATIVE EMISSION (EVAP) CANISTER VENT VALVE 151-33
C110 - 20
SBB36 GN-RD C450
C450
C110 - 19
CE114 GN-BU C175B
45 35 36 C175B
POWERTRAIN CONTROL MODULE (PCM) 151-2
KAPWR VPWR1-A VPWR1-B
CANVNT
CMP1
CMP2
CHT
SIGRTNE
HO2S 21
HTR 21
HO2S 11
HTR 11
VREFE
FRP
FRT
CAMSHAFT POSITION SENSOR 1 151-4
C1366
RE405 GN-WH
DE706 NONE
VE706 BN-BU C175E
45
ELECTRONIC ENGINE CONTROLS 24-2
Y
Z
CAMSHAFT POSITION SENSOR 2 151-4
C1367
DE706 NONE
RE405 GN-WH
VE707 GN-VT
44
CYLINDER HEAD TEMPERATURE SENSOR 151-5
S133
RE405 GN-WH C1163
C107
C107 C1163
VE712 BU-GY
41
24-6
L
RE405 GN-WH
ELECTRONIC ENGINE CONTROLS
RE405 GN-WH
58
HEATED OXYGEN SENSOR (HO2S) #21 151-5
RE405 GN-WH C172
C172
VE737 WH-BU
CBB74 VT-BN
CE236 GY-VT 29
70
24-4
G
ELECTRONIC ENGINE CONTROLS
HEATED OXYGEN SENSOR (HO2S) #11 151-5
RE405 GN-WH C171
C171
VE735 VT-GN
CBB74 VT-BN
CE235 GN-BN 28
69
24-4
H
ELECTRONIC ENGINE CONTROLS
FUEL RAIL PRESSURE/ TEMPERATURE SENSOR 151-4
RE405 GN-WH C1073
C1073
LE423 GN-VT
VE727 BU-BN 57
VE728 GN 32
19

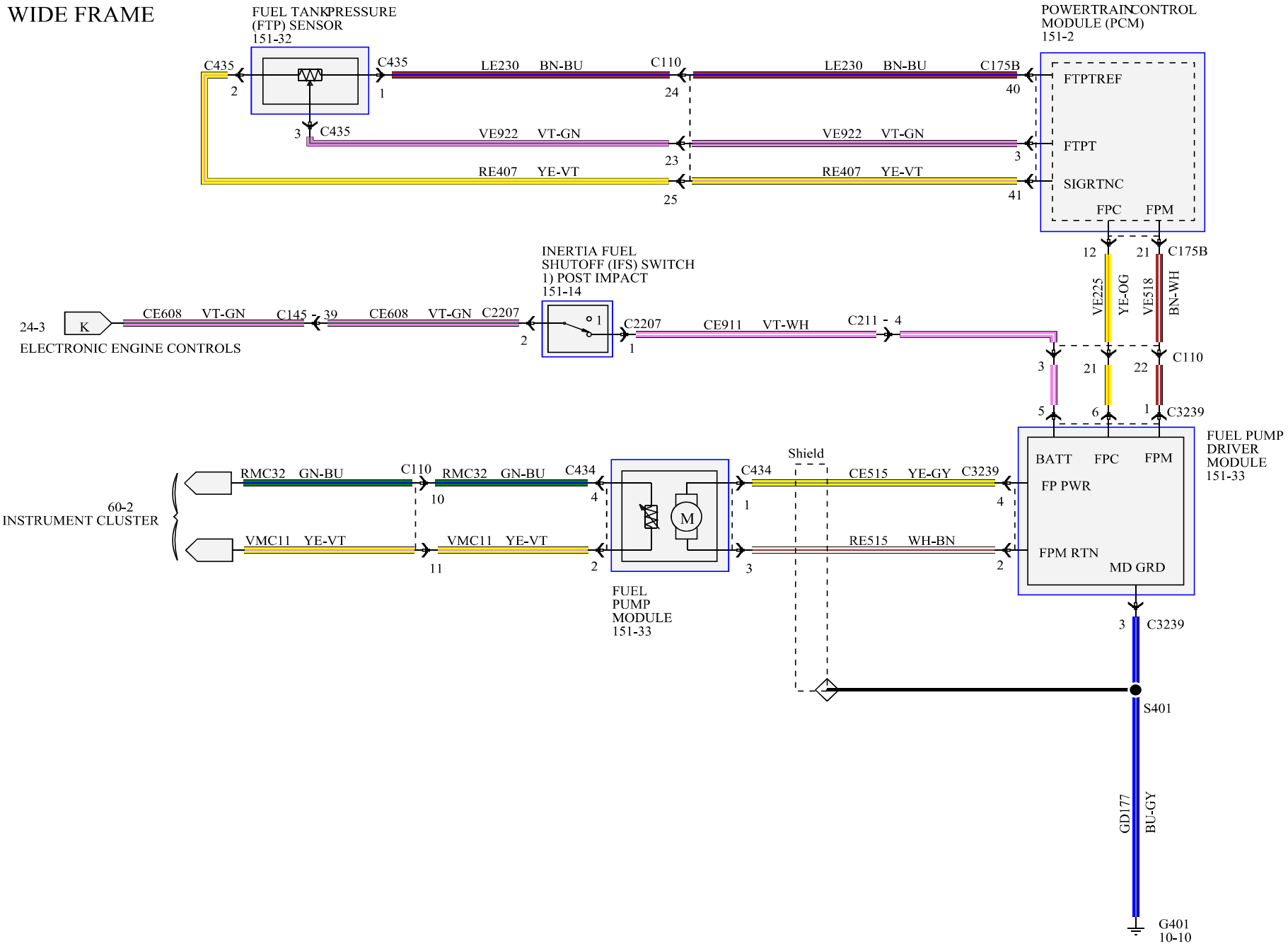

POWERTRAIN CONTROL MODULE (PCM) 151-2
MASS AIR FLOW/INTAKE AIR TEMPERATURE (MAF/IAT) SENSOR 151-4
ELECTRONIC ENGINE CONTROLS
24-4
E
CBB74 VT-BN
C128
6
GD113 BK-YE
5
24-5
L
RE405 GN-WH
2
ELECTRONIC ENGINE CONTROLS
C128
3
VE807 YE-VT
C175E
25
MAF
4
RE320 BU
26
MAFRTN
1
VE740 VT-GY
22
IAT
ELECTRONIC ENGINE CONTROLS
24-4
F
CBB74 VT-BN
C1444
1
VPWR
CMCVM
GND
CMCV
C1444
4
CE923 YE-GY
43
CMCVM
S114
GD113 BK-YE
2
3
CE918 GN-BN
50
CMCV
12
C140
CHARGE MOTION CONTROL VALVE (CMCV) 151-5
EVAPORATIVE EMISSION (EVAP) CANISTER PURGE VALVE 151-1
24-4
J
CBB74 VT-BN
C123
1
2
C123
CE132 BN-YE
C140
14
CE132 BN-YE
1
EVMV
ELECTRONIC ENGINE CONTROLS
BRAKE PRESSURE SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-1
C1025
2
1
2
1
C1025 CES09 VT-OG
C140
7
CES09 VT-OG
65
BPS
S162
LE111 VT-GN
C146
5
LE111 VT-GN
LE111 VT-GN
C175T
39
VBPWR
S196
LE111 VT-GN
29-1
TRANSMISSION CONTROLS
GD113
BK-YE
G103
10-1

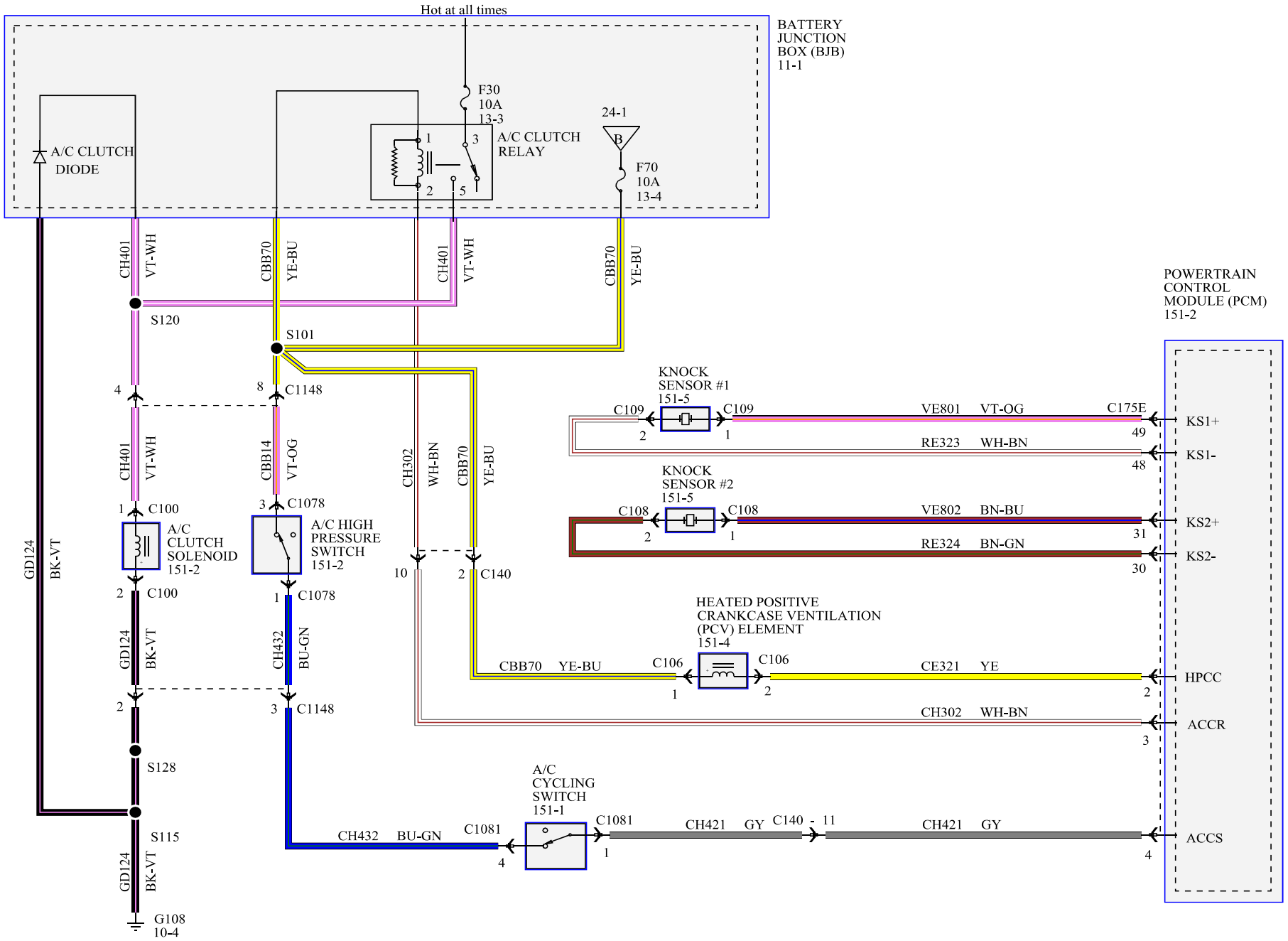

POWERTRAIN CONTROL MODULE (PCM) 151-2
ETCREF
ETCREF
APP1
APP2
APP3
ETCRTN
ETCRTN
CPP BT
CPP TT
C175B
C211
C237
C2040
LE136 GN-OG
LE137 BU-GY
VE701 YE-OG
VE702 BU-WH
VE703 GN-WH
RE136 VT-GN
RE137 YE-GN
CE903 BU-OG
CE904 GN-VT
GD113 BK-YE
ACCELERATOR PEDAL POSITION (APP) SENSOR 151-25 151-26 151-27
Manual Transmission
CLUTCH PEDAL POSITION SWITCH 1)Applied 2)Released 151-1
S162
G103 10-1

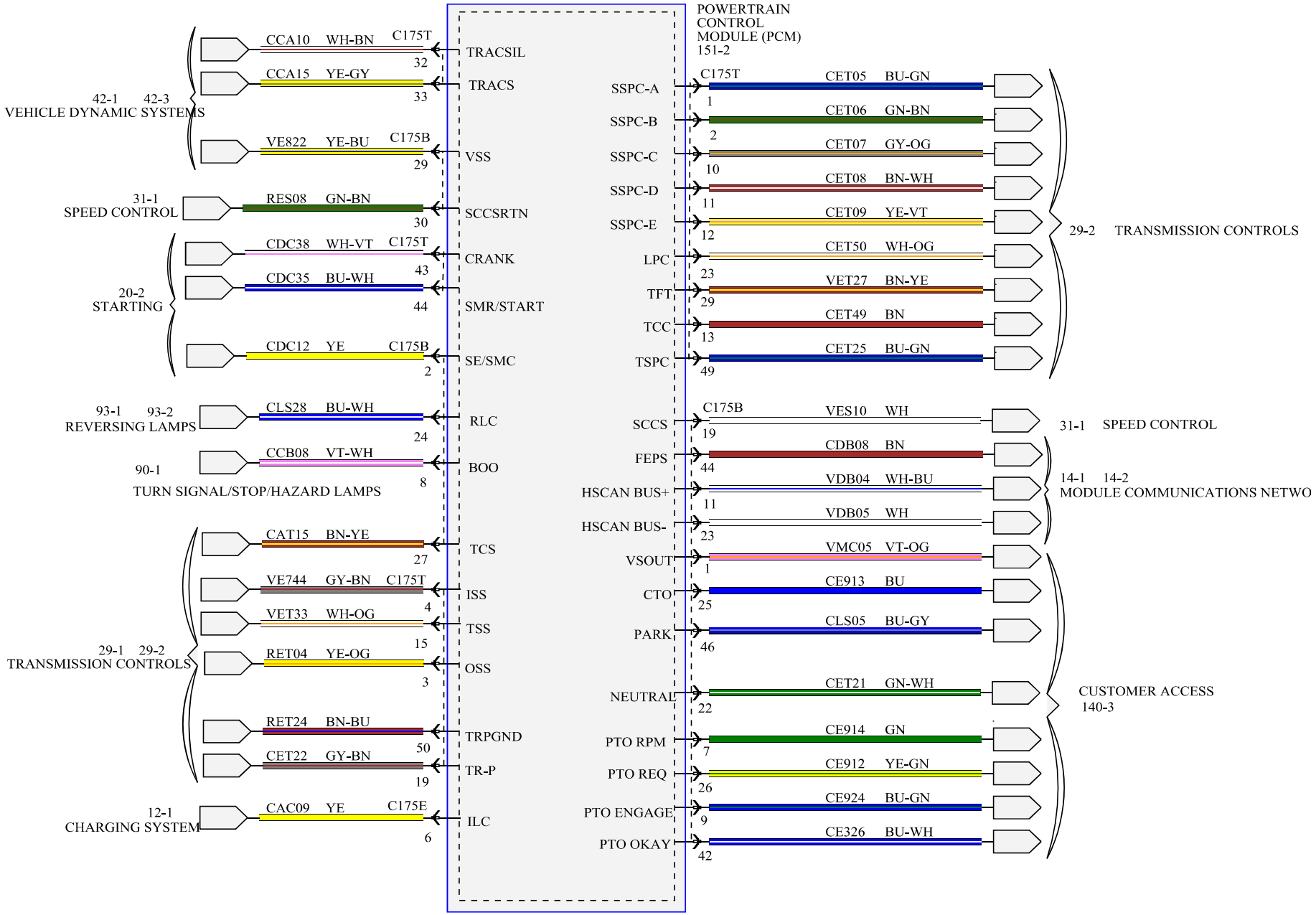
NARROW FRAME

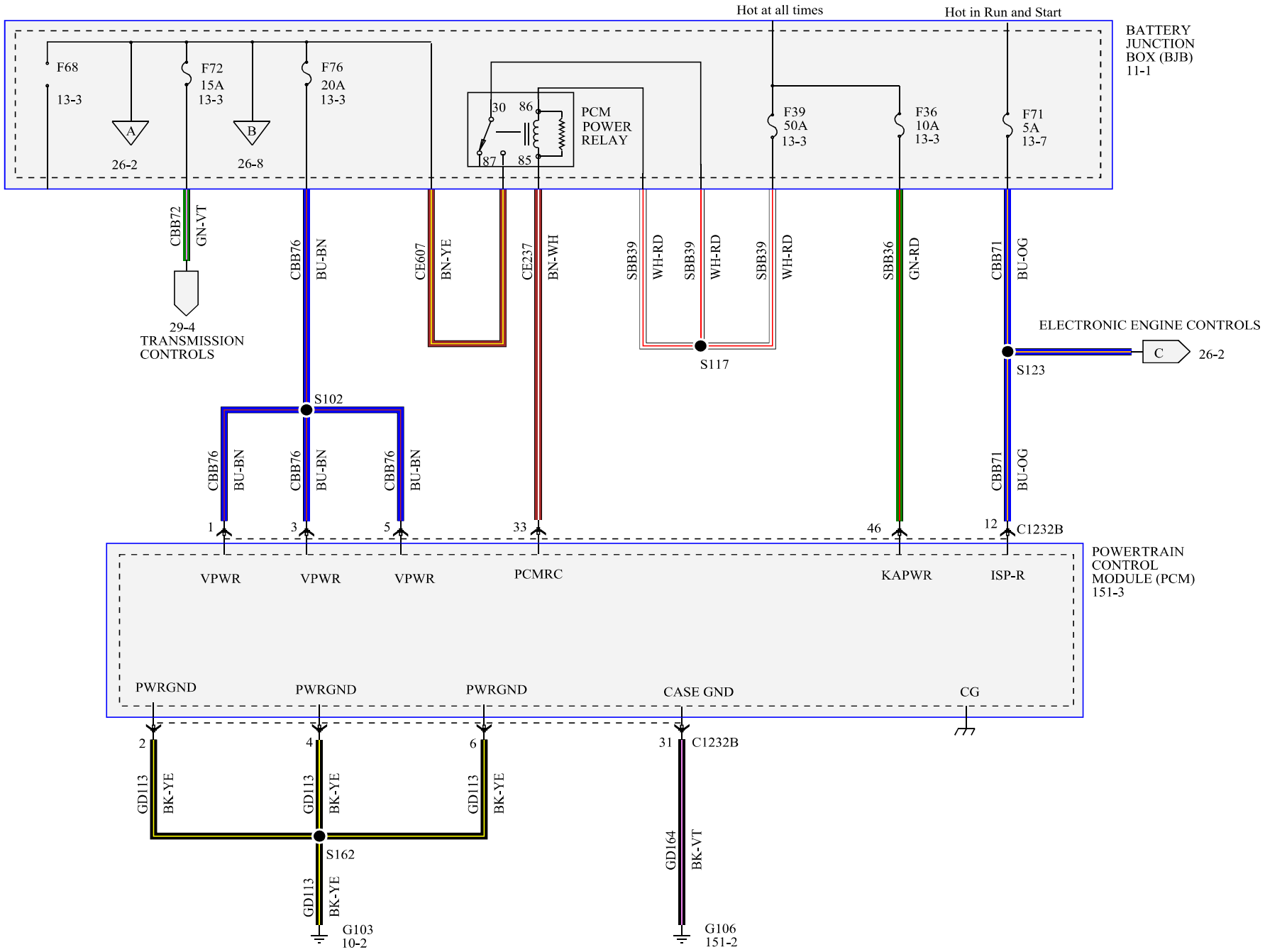


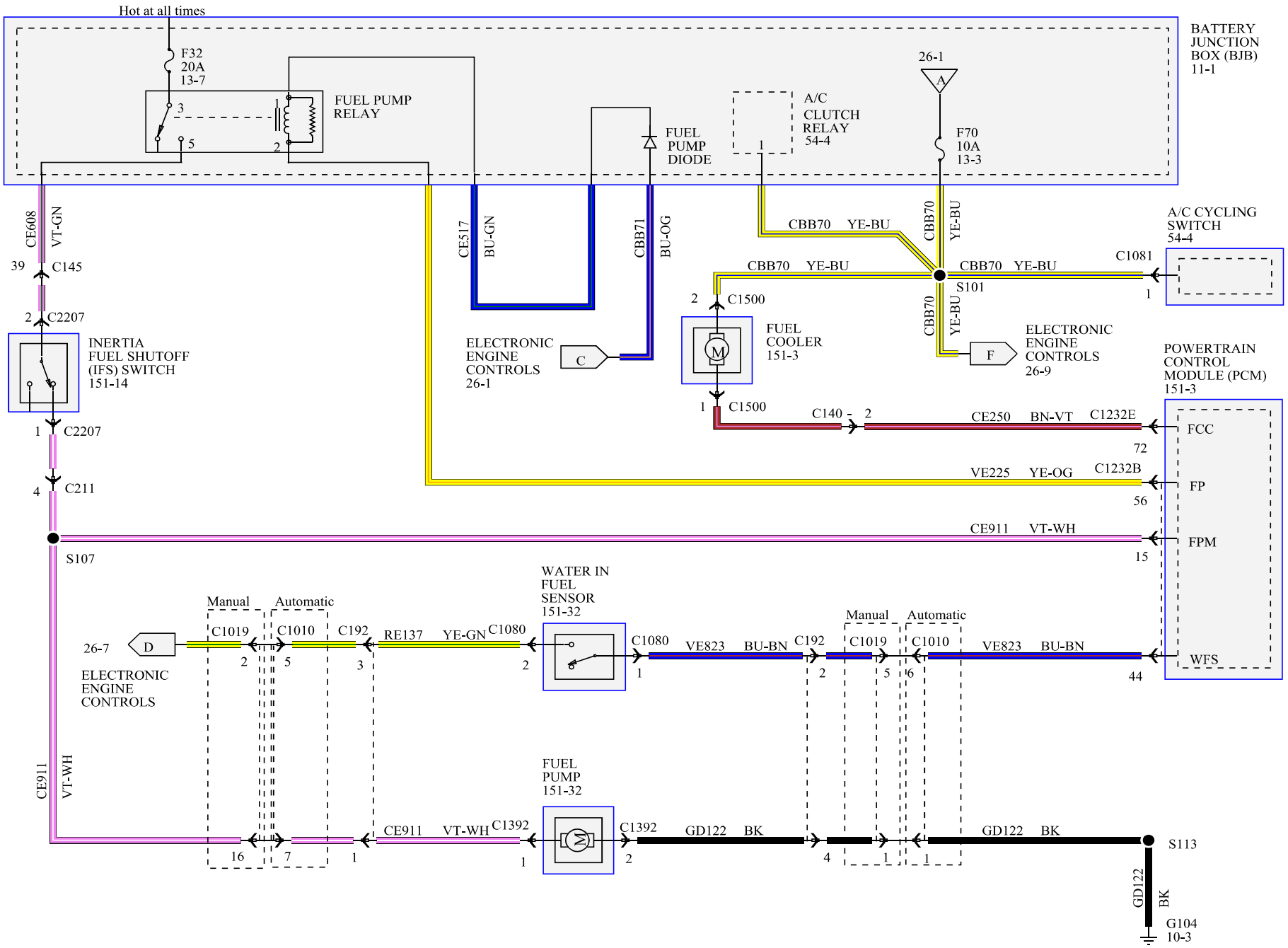
WIDE FRAME

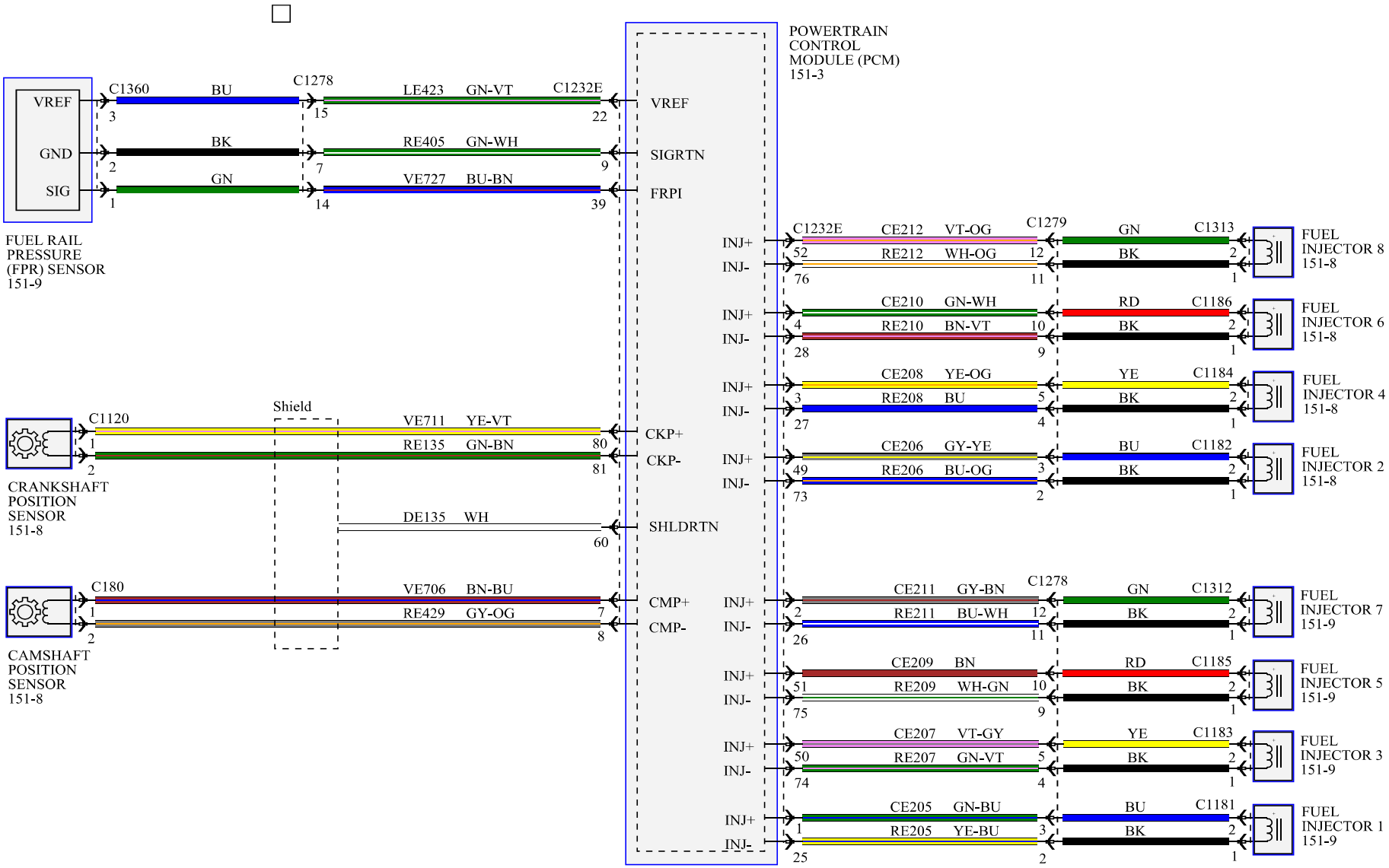

FUEL TANK PRESSURE (FTP) SENSOR 151-32
C435
2
C435
1
LE230 BN-BU
C110
24
LE230 BN-BU
C175B
40
POWERTRAIN CONTROL MODULE (PCM) 151-2
FTPTREF
FTPT
SIGRTNC
FPC
FPM
3
C435
VE922 VT-GN
23
VE922 VT-GN
3
RE407 YE-VT
25
RE407 YE-VT
41
INERTIA FUEL SHUTOFF (IFS) SWITCH 1) POST IMPACT 151-14
24-3
K
ELECTRONIC ENGINE CONTROLS
CE608 VT-GN
C145
39
CE608 VT-GN
C2207
2
1
C2207
1
CE911 VT-WH
C211
4
12
21
C175B
VE225
YE-OG
VE518
BN-WH
3
21
22
C110
5
6
1
C3239
FUEL PUMP DRIVER MODULE 151-33
BATT
FPC
FPM
FP PWR
FPM RTN
MD GRD
Shield
60-2
INSTRUMENT CLUSTER
RMC32 GN-BU
C110
10
RMC32 GN-BU
C434
4
VMC11 YE-VT
11
VMC11 YE-VT
2
M
FUEL PUMP MODULE 151-33
C434
1
CE515 YE-GY
C3239
4
RE515 WH-BN
3
2
3
C3239
S401
GD177
BU-GY
G401
10-10

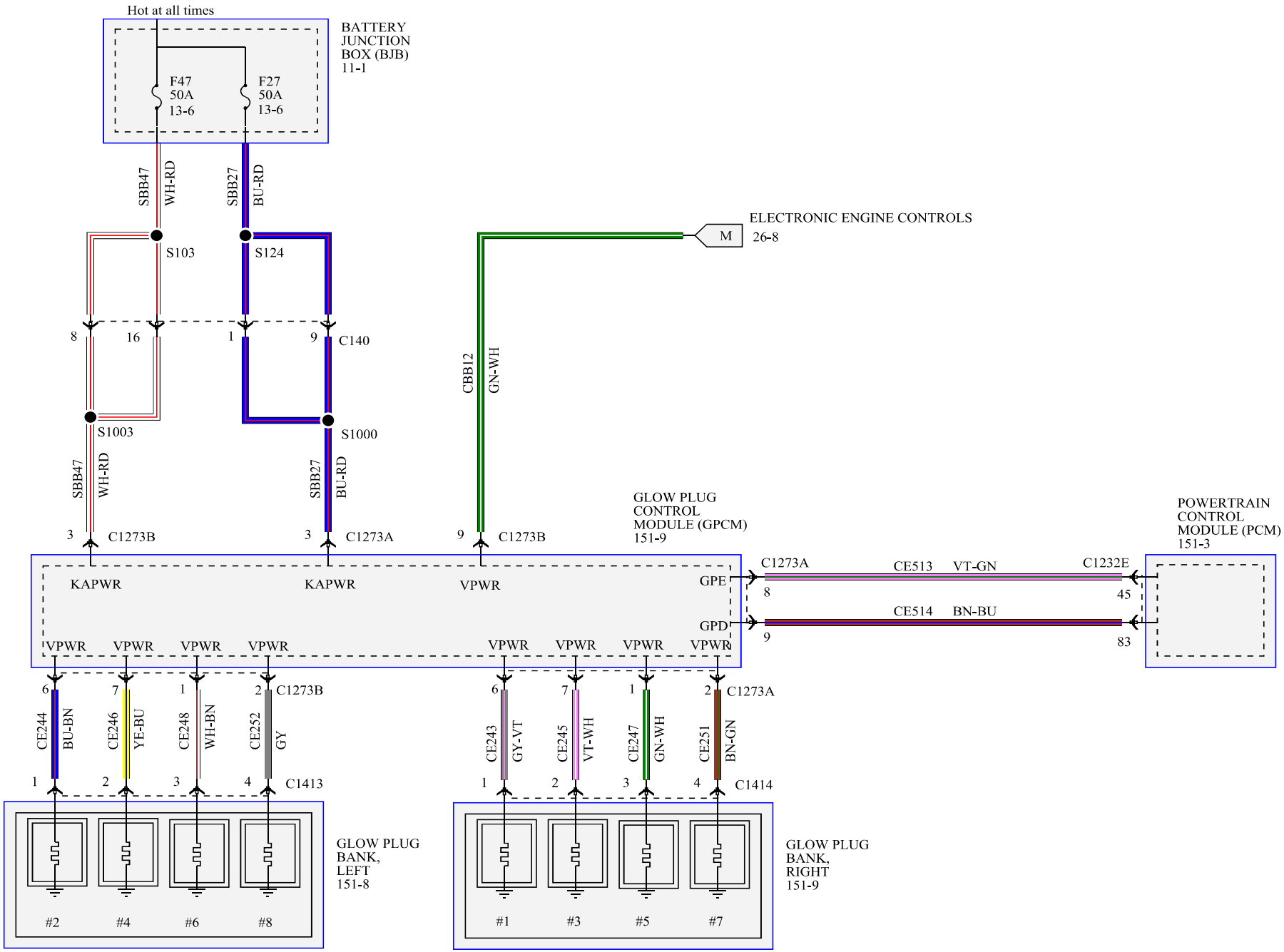

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F30 10A 13-3
A/C CLUTCH RELAY
24-1
F70 10A 13-4
A/C CLUTCH DIODE
CH401 VT-WH
CBB70 YE-BU
S120
S101
C1148
CBB14 VT-OG
CH302 WH-BN
C100
A/C CLUTCH SOLENOID 151-2
C1078
A/C HIGH PRESSURE SWITCH 151-2
C140
GD124 BK-VT
CH432 BU-GN
S128
S115
G108 10-4
KNOCK SENSOR #1 151-5
KNOCK SENSOR #2 151-5
C109
C108
VE801 VT-OG
RE323 WH-BN
VE802 BN-BU
RE324 BN-GN
C175E
HEATED POSITIVE CRANKCASE VENTILATION (PCV) ELEMENT 151-4
C106
CE321 YE
A/C CYCLING SWITCH 151-1
C1081
CH421 GY
C140 - 11
POWERTRAIN CONTROL MODULE (PCM) 151-2
KS1+
KS1-
KS2+
KS2-
HPCC
ACCR
ACCS

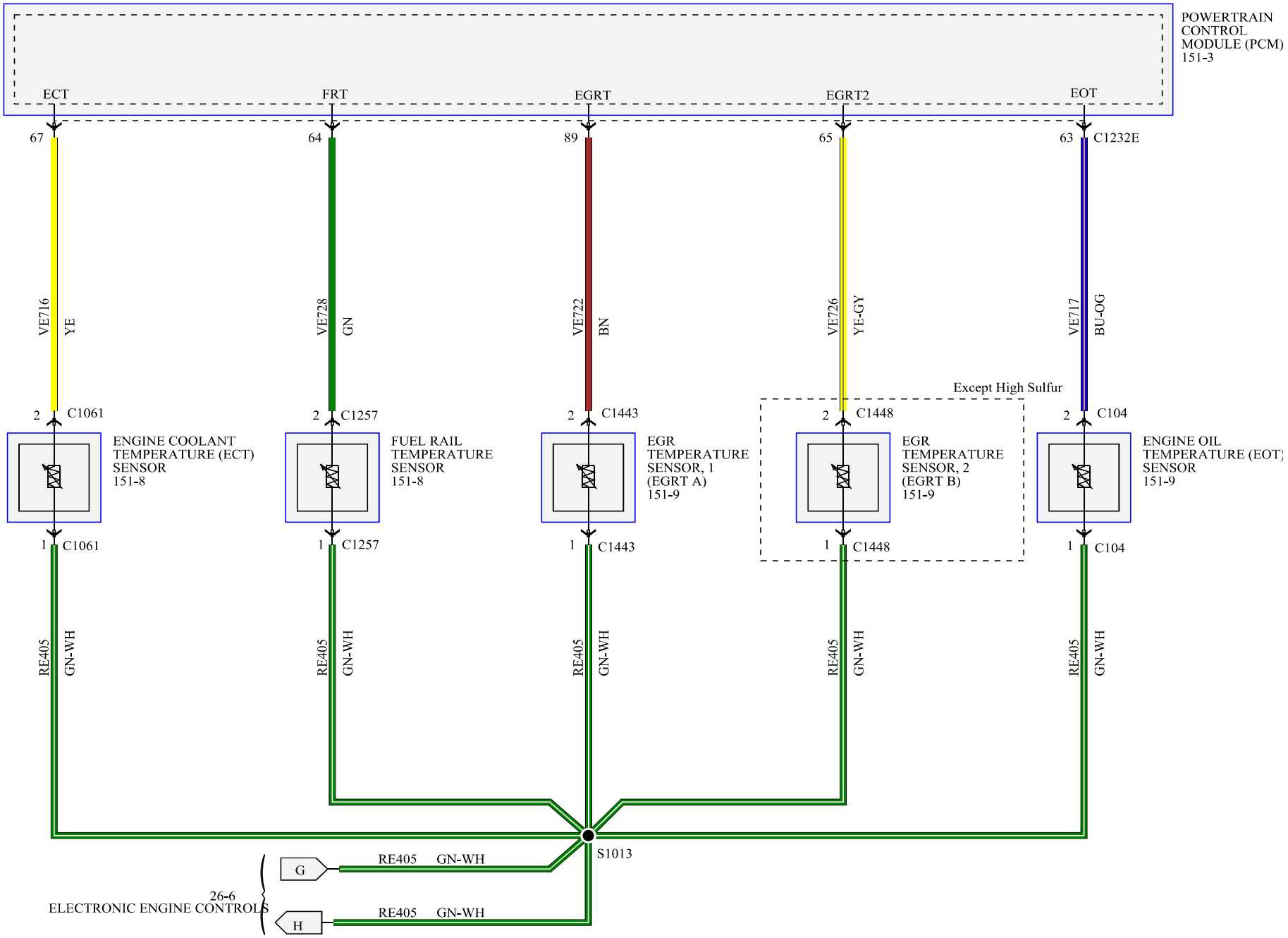

POWERTRAIN CONTROL MODULE (PCM) 151-2
CCA10 WH-BN C175T 32
TRACSIL
CCA15 YE-GY 33
TRACS
42-1 42-3 VEHICLE DYNAMIC SYSTEMS
VE822 YE-BU C175B 29
VSS
31-1 SPEED CONTROL
RES08 GN-BN 30
SCCSRTN
CDC38 WH-VT C175T 43
CRANK
20-2 STARTING
CDC35 BU-WH 44
SMR/START
CDC12 YE C175B 2
SE/SMC
93-1 93-2 REVERSING LAMPS
CLS28 BU-WH 24
RLC
90-1 TURN SIGNAL/STOP/HAZARD LAMPS
CCB08 VT-WH 8
BOO
CAT15 BN-YE 27
TCS
VE744 GY-BN C175T 4
ISS
VET33 WH-OG 15
TSS
29-1 29-2 TRANSMISSION CONTROLS
RET04 YE-OG 3
OSS
RET24 BN-BU 50
TRPGND
CET22 GY-BN 19
TR-P
12-1 CHARGING SYSTEM
CAC09 YE C175E 6
ILC
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
LPC
TFT
TCC
TSPC
C175T
CET05 BU-GN 1
CET06 GN-BN 2
CET07 GY-OG 10
CET08 BN-WH 11
CET09 YE-VT 12
CET50 WH-OG 23
VET27 BN-YE 29
CET49 BN 13
CET25 BU-GN 49
29-2 TRANSMISSION CONTROLS
SCCS
FEPS
HSCAN BUS+
HSCAN BUS-
VSOUT
CTO
PARK
C175B
VES10 WH 19
CDB08 BN 44
VDB04 WH-BU 11
VDB05 WH 23
VMC05 VT-OG 1
CE913 BU 25
CLS05 BU-GY 46
31-1 SPEED CONTROL
14-1 14-2 MODULE COMMUNICATIONS NETWO
NEUTRAL
PTO RPM
PTO REQ
PTO ENGAGE
PTO OKAY
CET21 GN-WH 22
CE914 GN 7
CE912 YE-GN 26
CE924 BU-GN 9
CE326 BU-WH 42
CUSTOMER ACCESS 140-3

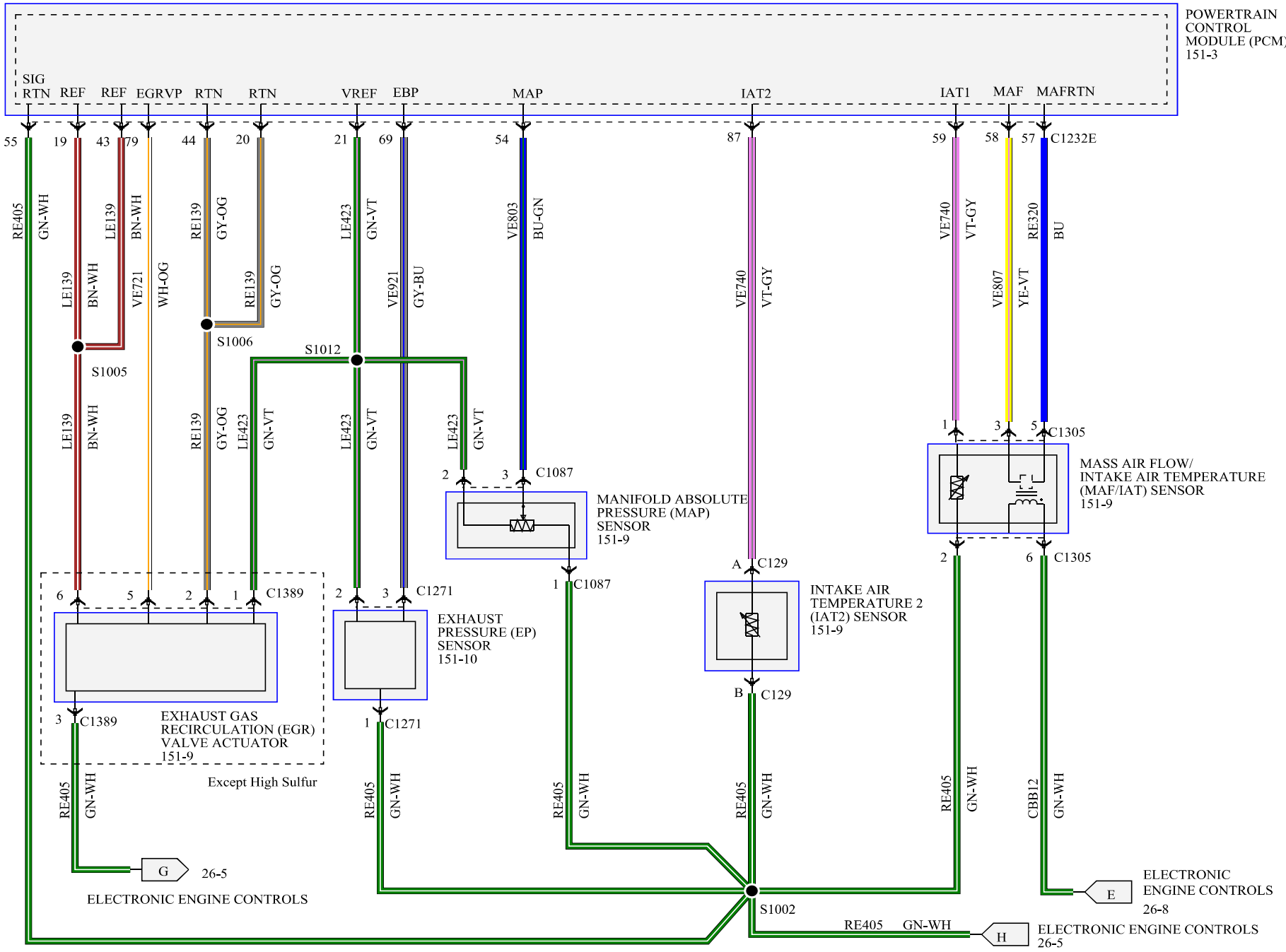

Hot at all times
Hot in Run and Start
BATTERY JUNCTION BOX (BJB) 11-1
F68
13-3
F72 15A 13-3
F76 20A 13-3
A
26-2
B
26-8
30
86
87
85
PCM POWER RELAY
F39 50A 13-3
F36 10A 13-3
F71 5A 13-7
CBB72 GN-VT
29-4 TRANSMISSION CONTROLS
CBB76 BU-BN
CE607 BN-YE
CE237 BN-WH
SBB39 WH-RD
SBB39 WH-RD
SBB39 WH-RD
SBB36 GN-RD
CBB71 BU-OG
ELECTRONIC ENGINE CONTROLS
C
26-2
S117
S123
S102
CBB76 BU-BN
CBB76 BU-BN
CBB76 BU-BN
CBB71 BU-OG
1
3
5
33
46
12
C1232B
VPWR
VPWR
VPWR
PCMRC
KAPWR
ISP-R
POWERTRAIN CONTROL MODULE (PCM) 151-3
PWRGND
PWRGND
PWRGND
CASE GND
CG
2
4
6
31
C1232B
GD113 BK-YE
GD113 BK-YE
GD113 BK-YE
GD164 BK-VT
S162
GD113 BK-YE
G103 10-2
G106 151-2

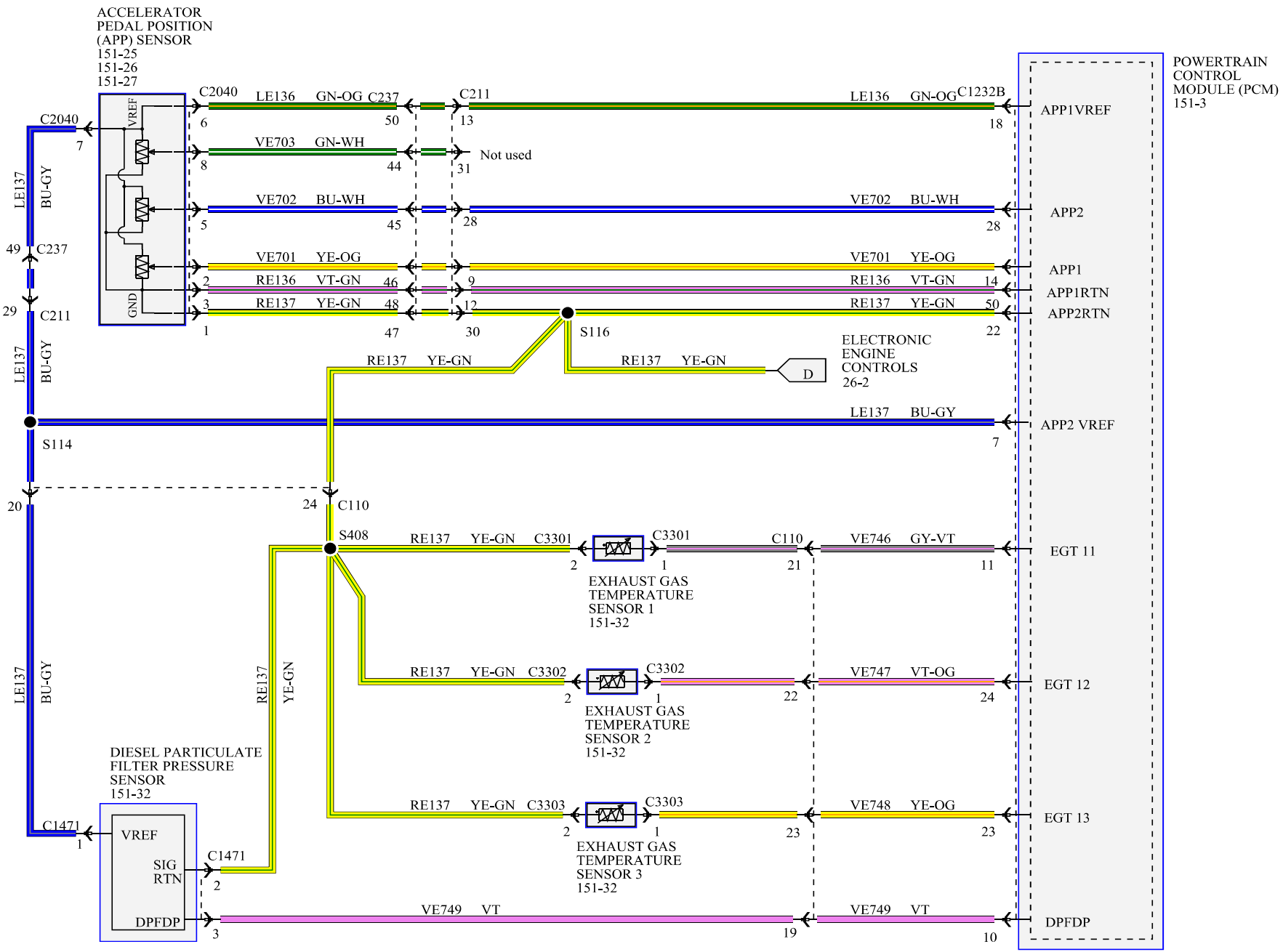

Hot at all times
F32
20A
13-7
FUEL PUMP
RELAY
BATTERY
JUNCTION
BOX (BJB)
11-1
FUEL
PUMP
DIODE
A/C
CLUTCH
RELAY
54-4
26-1
A
F70
10A
13-3
CE608
VT-GN
39
C145
2
C2207
INERTIA
FUEL SHUTOFF
(IFS) SWITCH
151-14
1
C2207
4
C211
CE517
BU-GN
CBB71
BU-OG
ELECTRONIC
ENGINE
CONTROLS
26-1
C
CBB70
YE-BU
A/C CYCLING
SWITCH
54-4
C1081
S101
2
C1500
FUEL
COOLER
151-3
M
1
C1500
C140
2
CE250
BN-VT
C1232E
72
F
ELECTRONIC
ENGINE
CONTROLS
26-9
POWERTRAIN
CONTROL
MODULE (PCM)
151-3
FCC
FP
FPM
WFS
VE225
YE-OG
C1232B
56
CE911
VT-WH
15
S107
WATER IN
FUEL
SENSOR
151-32
Manual
Automatic
26-7
D
C1019
C1010
C192
RE137
YE-GN
C1080
ELECTRONIC
ENGINE
CONTROLS
VE823
BU-BN
44
FUEL
PUMP
151-32
CE911
VT-WH
C1392
GD122
BK
S113
G104
10-3

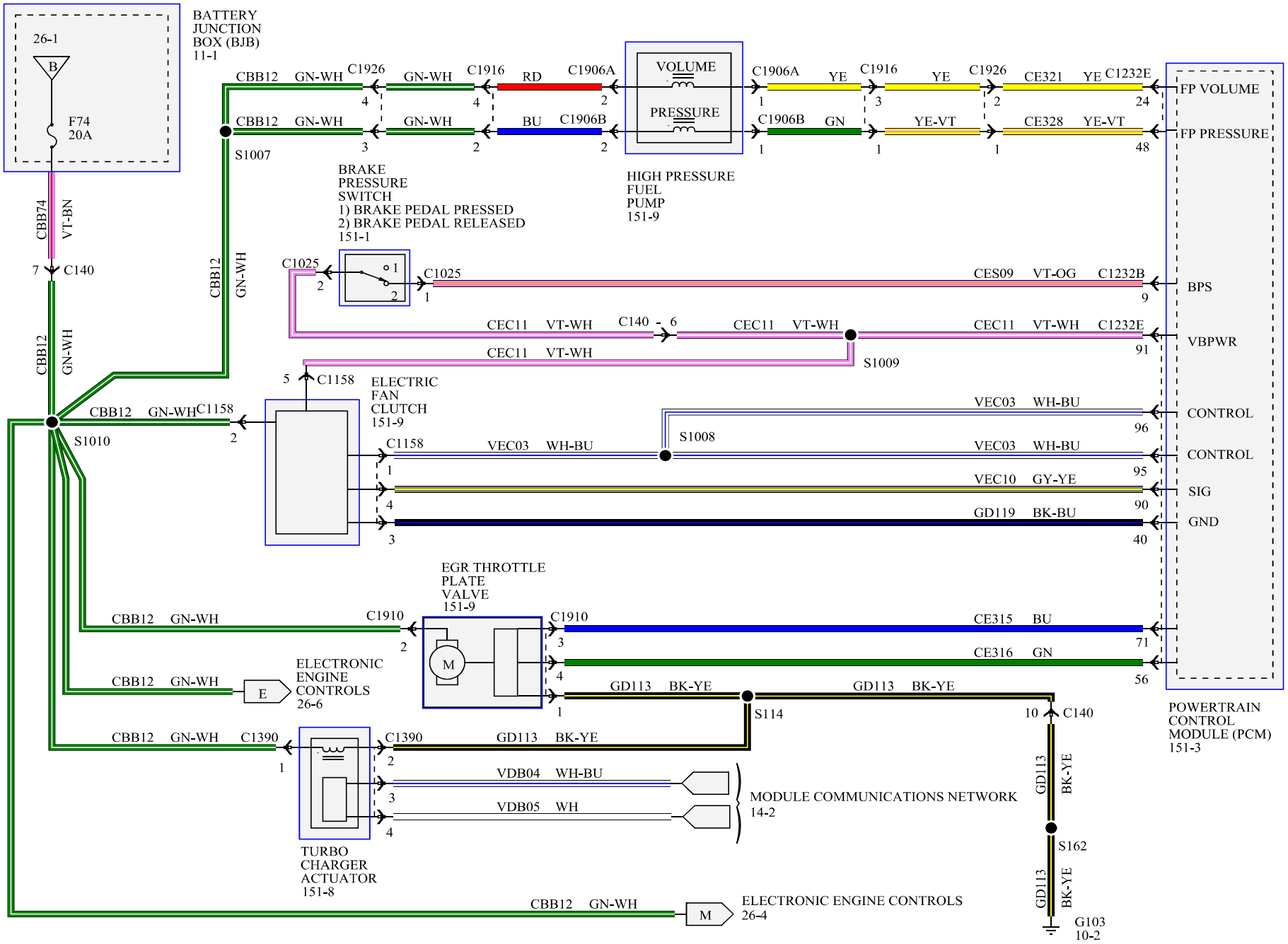

POWERTRAIN CONTROL MODULE (PCM) 151-3
VREF
GND
SIG
FUEL RAIL PRESSURE (FPR) SENSOR 151-9
C1360
BU
C1278
LE423
GN-VT
C1232E
BK
RE405
GN-WH
GN
VE727
BU-BN
VREF
SIGRTN
FRPI
Shield
C1120
VE711
YE-VT
RE135
GN-BN
CRANKSHAFT POSITION SENSOR 151-8
DE135
WH
SHLDRTN
C180
VE706
BN-BU
RE429
GY-OG
CMP+
CMP-
CAMSHAFT POSITION SENSOR 151-8
CKP+
CKP-
INJ+
INJ-
C1279
C1313
C1186
C1184
C1182
C1312
C1185
C1183
C1181
CE212
VT-OG
RE212
WH-OG
CE210
GN-WH
RE210
BN-VT
CE208
YE-OG
RE208
BU
CE206
GY-YE
RE206
BU-OG
CE211
GY-BN
RE211
BU-WH
CE209
BN
RE209
WH-GN
CE207
VT-GY
RE207
GN-VT
CE205
GN-BU
RE205
YE-BU
GN
BK
RD
YE
FUEL INJECTOR 8 151-8
FUEL INJECTOR 6 151-8
FUEL INJECTOR 4 151-8
FUEL INJECTOR 2 151-8
FUEL INJECTOR 7 151-9
FUEL INJECTOR 5 151-9
FUEL INJECTOR 3 151-9
FUEL INJECTOR 1 151-9

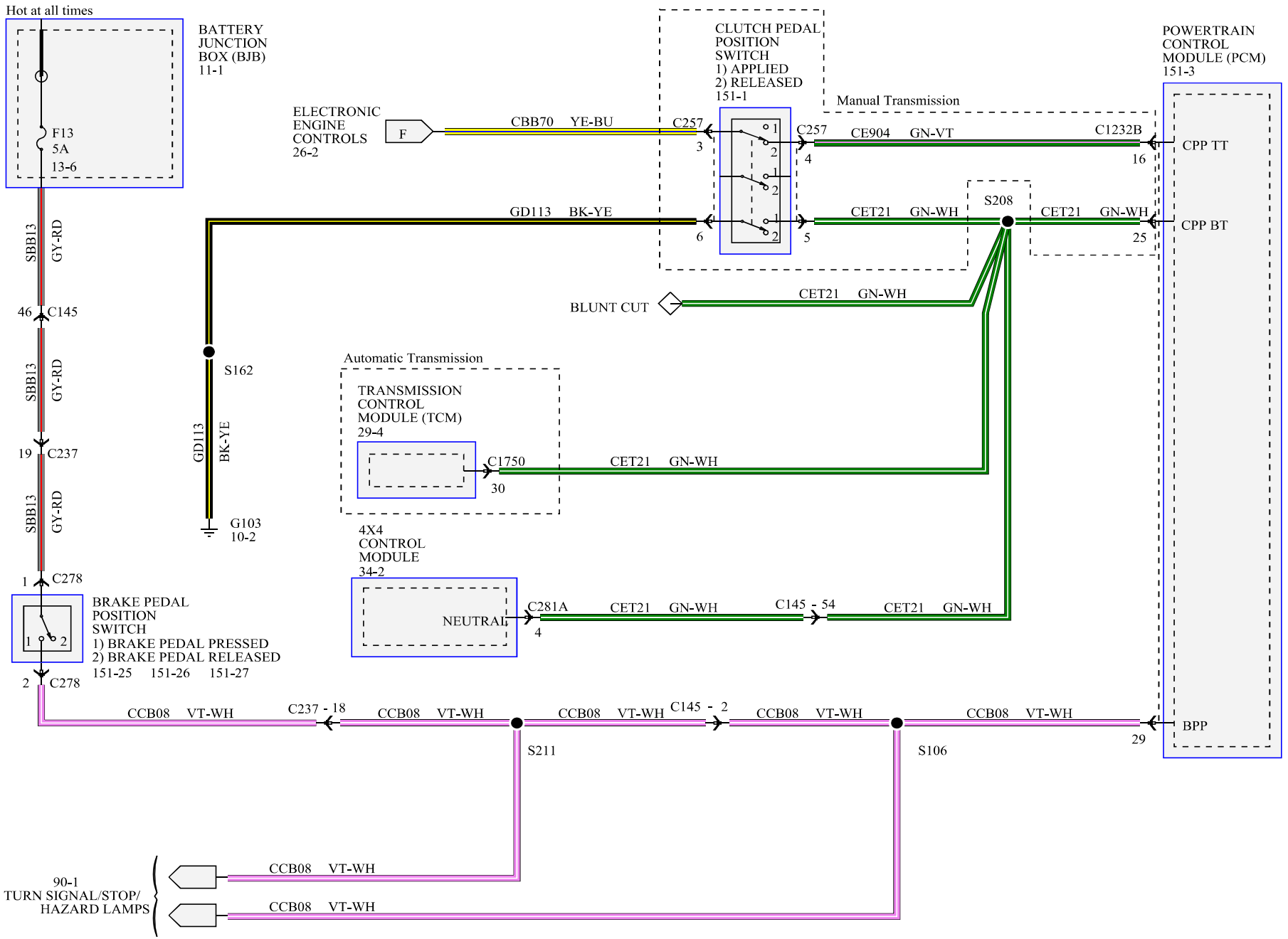

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F47 50A 13-6
F27 50A 13-6
SBB47 WH-RD
SBB27 BU-RD
S103
S124
8
16
1
9
C140
S1003
S1000
SBB47 WH-RD
SBB27 BU-RD
3
C1273B
3
C1273A
CBB12 GN-WH
9
C1273B
ELECTRONIC ENGINE CONTROLS
M
26-8
GLOW PLUG CONTROL MODULE (GPCM) 151-9
KAPWR
KAPWR
VPWR
GPE
GPD
VPWR VPWR VPWR VPWR
VPWR VPWR VPWR VPWR
C1273A
CE513 VT-GN
C1232E
8
45
CE514 BN-BU
9
83
POWERTRAIN CONTROL MODULE (PCM) 151-3
6 7 1 2 C1273B
CE244 BU-BN
CE246 YE-BU
CE248 WH-BN
CE252 GY
1 2 3 4 C1413
6 7 1 2 C1273A
CE243 GY-VT
CE245 VT-WH
CE247 GN-WH
CE251 BN-GN
1 2 3 4 C1414
GLOW PLUG BANK, LEFT 151-8
#2
#4
#6
#8
GLOW PLUG BANK, RIGHT 151-9
#1
#3
#5
#7

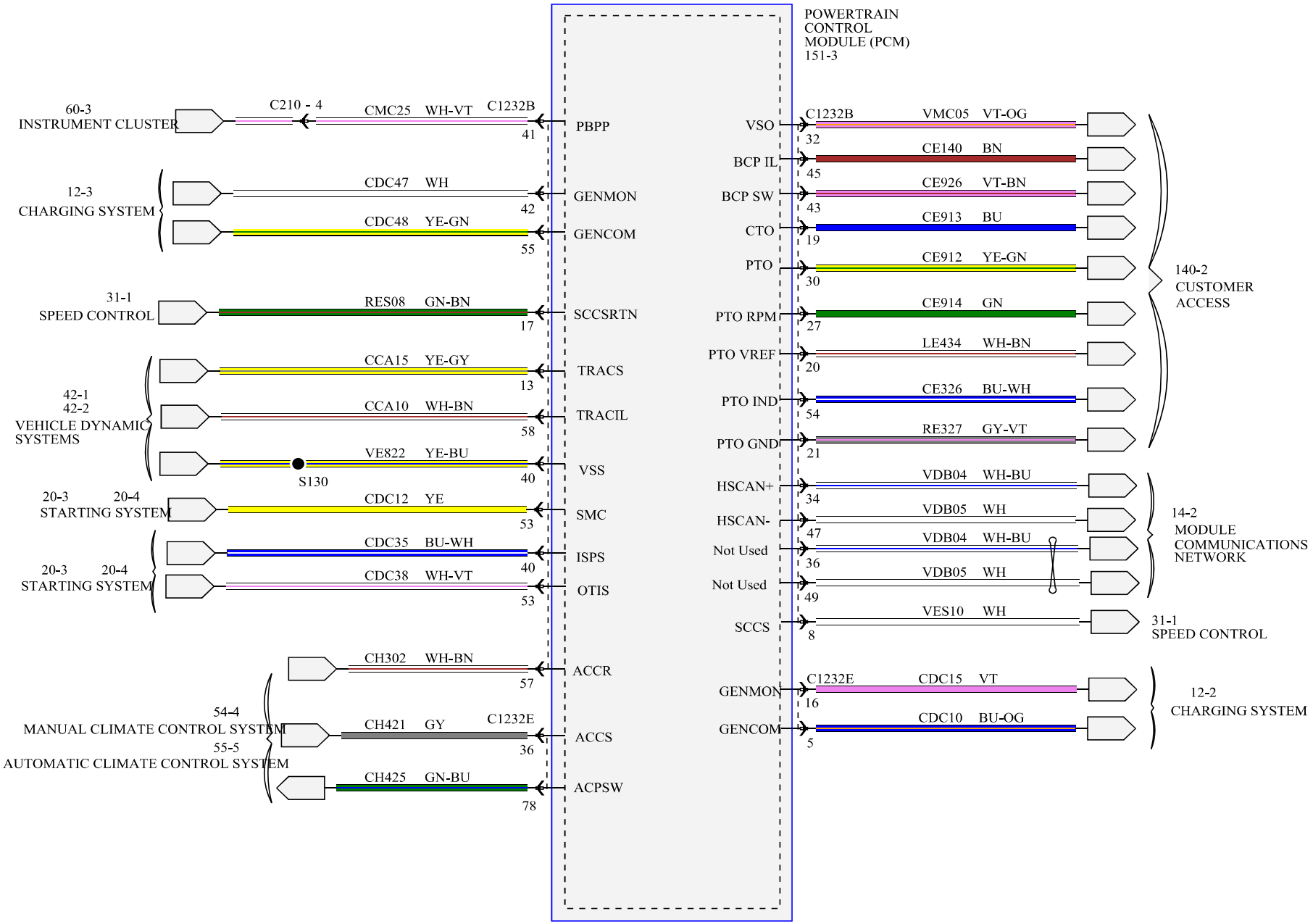

POWERTRAIN CONTROL MODULE (PCM) 151-3
ECT
FRT
EGRT
EGRT2
EOT
67
64
89
65
63
C1232E
VE716 YE
VE728 GN
VE722 BN
VE726 YE-GY
VE717 BU-OG
Except High Sulfur
2 C1061
2 C1257
2 C1443
2 C1448
2 C104
ENGINE COOLANT TEMPERATURE (ECT) SENSOR 151-8
FUEL RAIL TEMPERATURE SENSOR 151-8
EGR TEMPERATURE SENSOR, 1 (EGRT A) 151-9
EGR TEMPERATURE SENSOR, 2 (EGRT B) 151-9
ENGINE OIL TEMPERATURE (EOT) SENSOR 151-9
1 C1061
1 C1257
1 C1443
1 C1448
1 C104
RE405 GN-WH
S1013
G
H
RE405 GN-WH
26-6
ELECTRONIC ENGINE CONTROLS

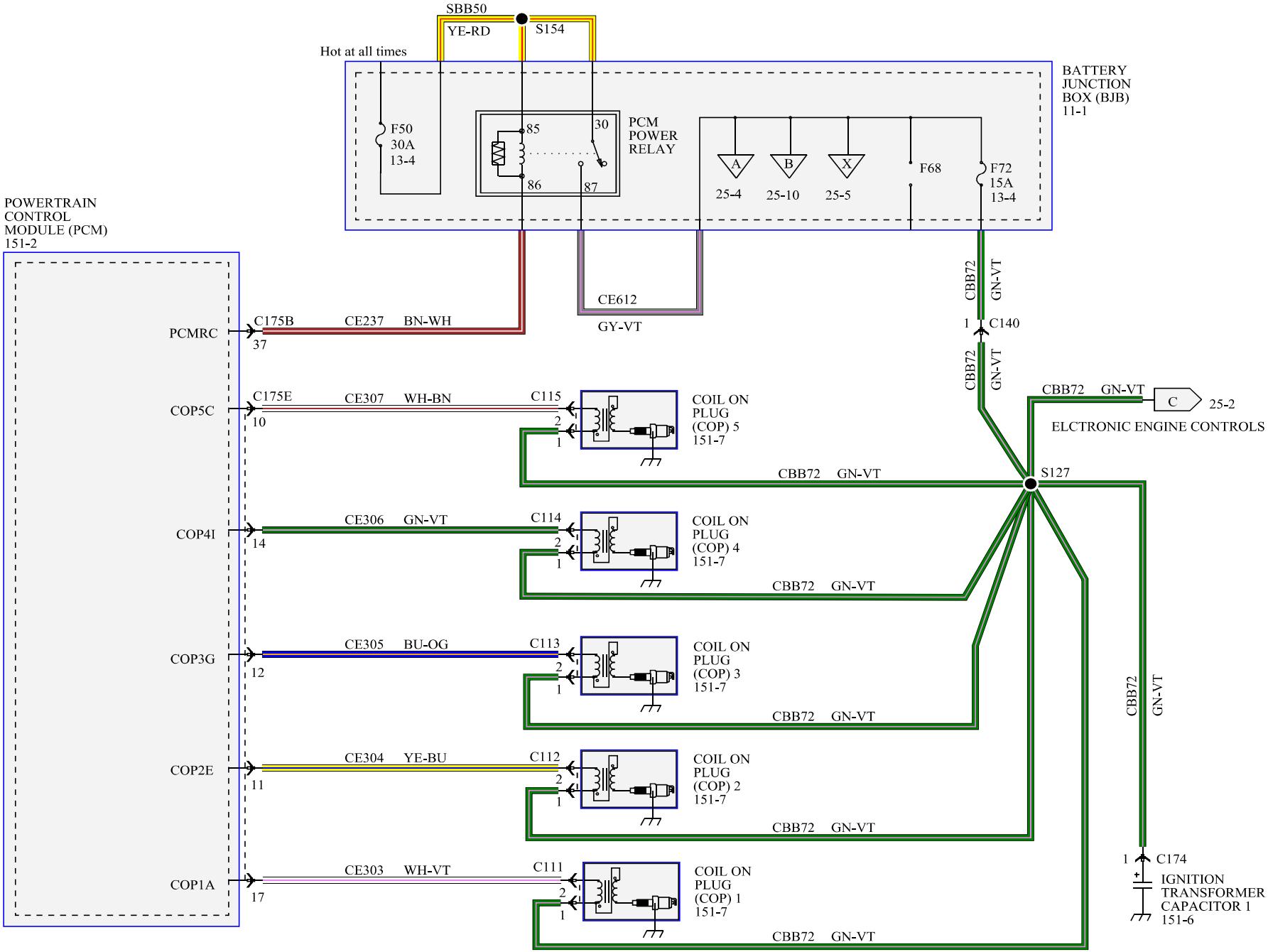

POWERTRAIN CONTROL MODULE (PCM) 151-3
SIG RTN
REF
REF
EGRVP
RTN
RTN
VREF
EBP
MAP
IAT2
IAT1
MAF
MAFRTN
55
19
43
79
44
20
21
69
54
87
59
58
57
C1232E
RE405 GN-WH
LE139 BN-WH
LE139 BN-WH
VE721 WH-OG
RE139 GY-OG
RE139 GY-OG
LE423 GN-VT
VE921 GY-BU
VE803 BU-GN
VE740 VT-GY
VE740 VT-GY
VE807 YE-VT
RE320 BU
S1005
S1006
S1012
LE139 BN-WH
RE139 GY-OG
LE423 GN-VT
LE423 GN-VT
LE423 GN-VT
2
3
C1087
MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR 151-9
1
C1087
A
C129
INTAKE AIR TEMPERATURE 2 (IAT2) SENSOR 151-9
B
C129
1
3
5
C1305
MASS AIR FLOW/ INTAKE AIR TEMPERATURE (MAF/IAT) SENSOR 151-9
2
6
C1305
6
5
2
1
C1389
3
C1389
EXHAUST GAS RECIRCULATION (EGR) VALVE ACTUATOR 151-9
Except High Sulfur
2
3
C1271
1
C1271
EXHAUST PRESSURE (EP) SENSOR 151-10
RE405 GN-WH
RE405 GN-WH
RE405 GN-WH
RE405 GN-WH
RE405 GN-WH
CBB12 GN-WH
G
26-5
ELECTRONIC ENGINE CONTROLS
S1002
RE405 GN-WH
H
ELECTRONIC ENGINE CONTROLS
26-5
E
ELECTRONIC ENGINE CONTROLS
26-8

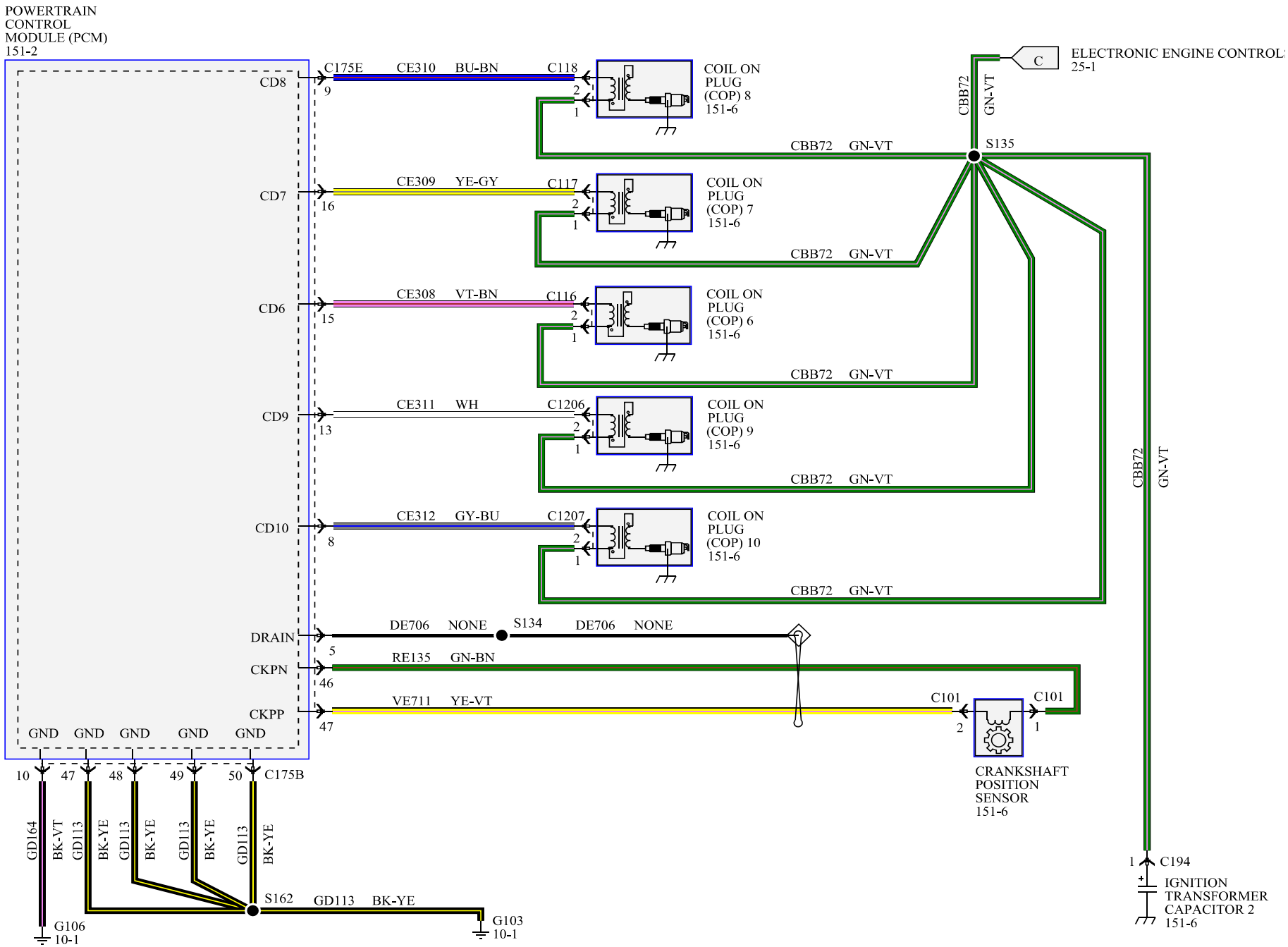

ACCELERATOR PEDAL POSITION (APP) SENSOR 151-25 151-26 151-27
VREF
GND
C2040
LE136 GN-OG C237
C211
LE136 GN-OG C1232B
APP1VREF
VE703 GN-WH
Not used
VE702 BU-WH
APP2
VE701 YE-OG
APP1
RE136 VT-GN
APP1RTN
RE137 YE-GN
APP2RTN
S116
ELECTRONIC ENGINE CONTROLS 26-2
D
LE137 BU-GY
APP2 VREF
S114
C110
S408
RE137 YE-GN C3301
C3301
VE746 GY-VT
EGT 11
EXHAUST GAS TEMPERATURE SENSOR 1 151-32
RE137 YE-GN C3302
C3302
VE747 VT-OG
EGT 12
EXHAUST GAS TEMPERATURE SENSOR 2 151-32
RE137 YE-GN C3303
C3303
VE748 YE-OG
EGT 13
EXHAUST GAS TEMPERATURE SENSOR 3 151-32
DIESEL PARTICULATE FILTER PRESSURE SENSOR 151-32
C1471
VREF
SIG RTN
DPFDP
VE749 VT
DPFDP
POWERTRAIN CONTROL MODULE (PCM) 151-3

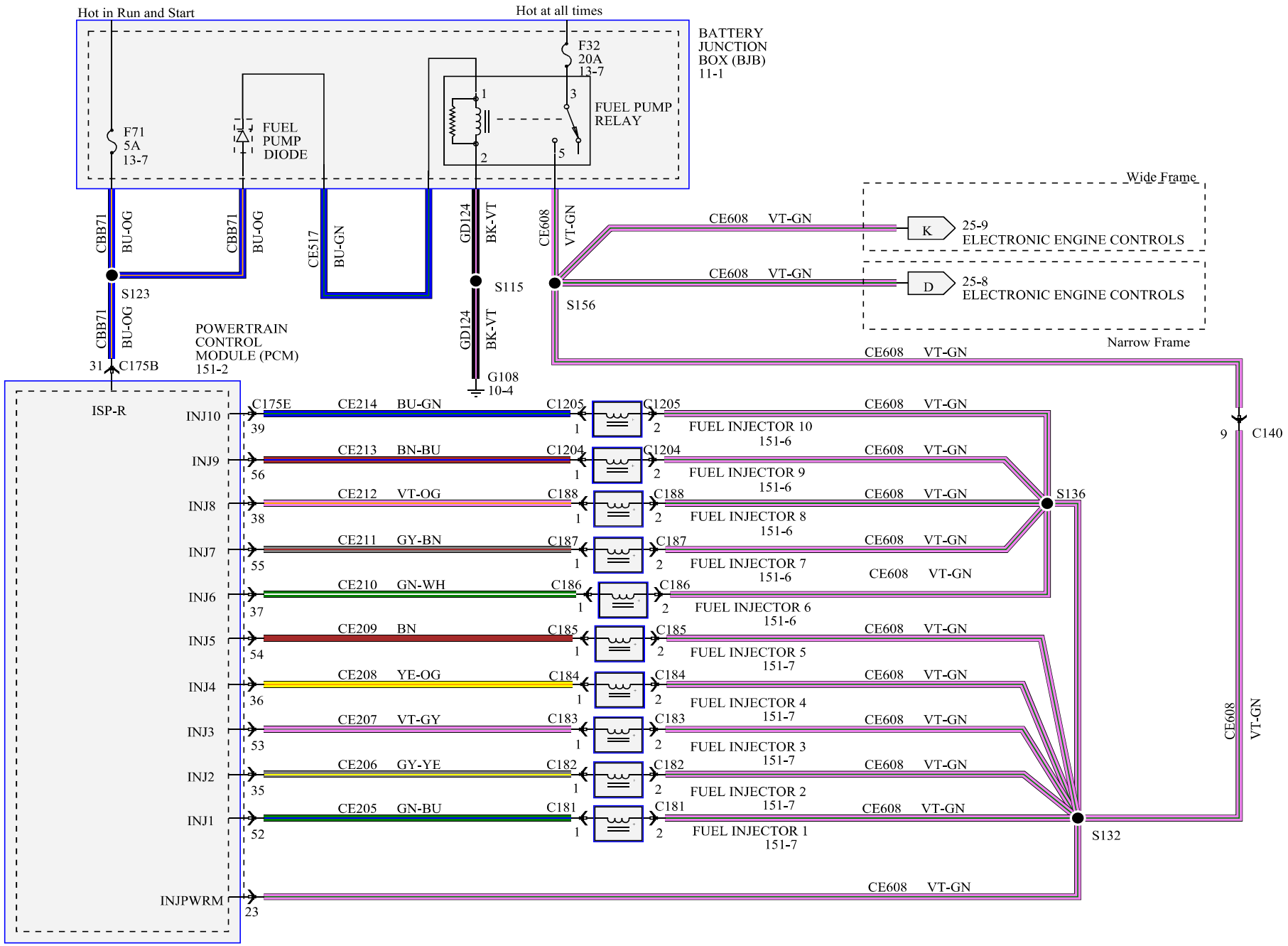

BATTERY JUNCTION BOX (BJB) 11-1
26-1
B
F74
20A
CBB74 VT-BN
7 C140
CBB12 GN-WH
S1007
CBB12 GN-WH C1926 4 GN-WH C1916 4 RD C1906A 2
CBB12 GN-WH 3 GN-WH 2 BU C1906B 2
VOLUME
PRESSURE
HIGH PRESSURE FUEL PUMP 151-9
C1906A YE C1916 3 YE C1926 2 CE321 YE C1232E 24
C1906B GN 1 YE-VT 1 CE328 YE-VT 48
FP VOLUME
FP PRESSURE
BRAKE PRESSURE SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-1
C1025 2 1 2 C1025 1
CES09 VT-OG C1232B 9
BPS
CEC11 VT-WH C140 6 CEC11 VT-WH
CEC11 VT-WH C1232E 91
VBPWR
CEC11 VT-WH
S1009
5 C1158
ELECTRIC FAN CLUTCH 151-9
CBB12 GN-WH C1158 2
S1010
VEC03 WH-BU 96
CONTROL
C1158 1 VEC03 WH-BU S1008 VEC03 WH-BU 95
CONTROL
VEC10 GY-YE 90
SIG
4
GD119 BK-BU 40
GND
3
EGR THROTTLE PLATE VALVE 151-9
CBB12 GN-WH C1910 2
C1910 3 CE315 BU 71
M
CE316 GN 56
CBB12 GN-WH E
ELECTRONIC ENGINE CONTROLS 26-6
4
GD113 BK-YE 1 GD113 BK-YE
S114
10 C140
POWERTRAIN CONTROL MODULE (PCM) 151-3
CBB12 GN-WH C1390 1 C1390 2 GD113 BK-YE
VDB04 WH-BU 3
VDB05 WH 4
MODULE COMMUNICATIONS NETWORK 14-2
GD113 BK-YE
S162
GD113 BK-YE
G103 10-2
TURBO CHARGER ACTUATOR 151-8
CBB12 GN-WH
M
ELECTRONIC ENGINE CONTROLS 26-4

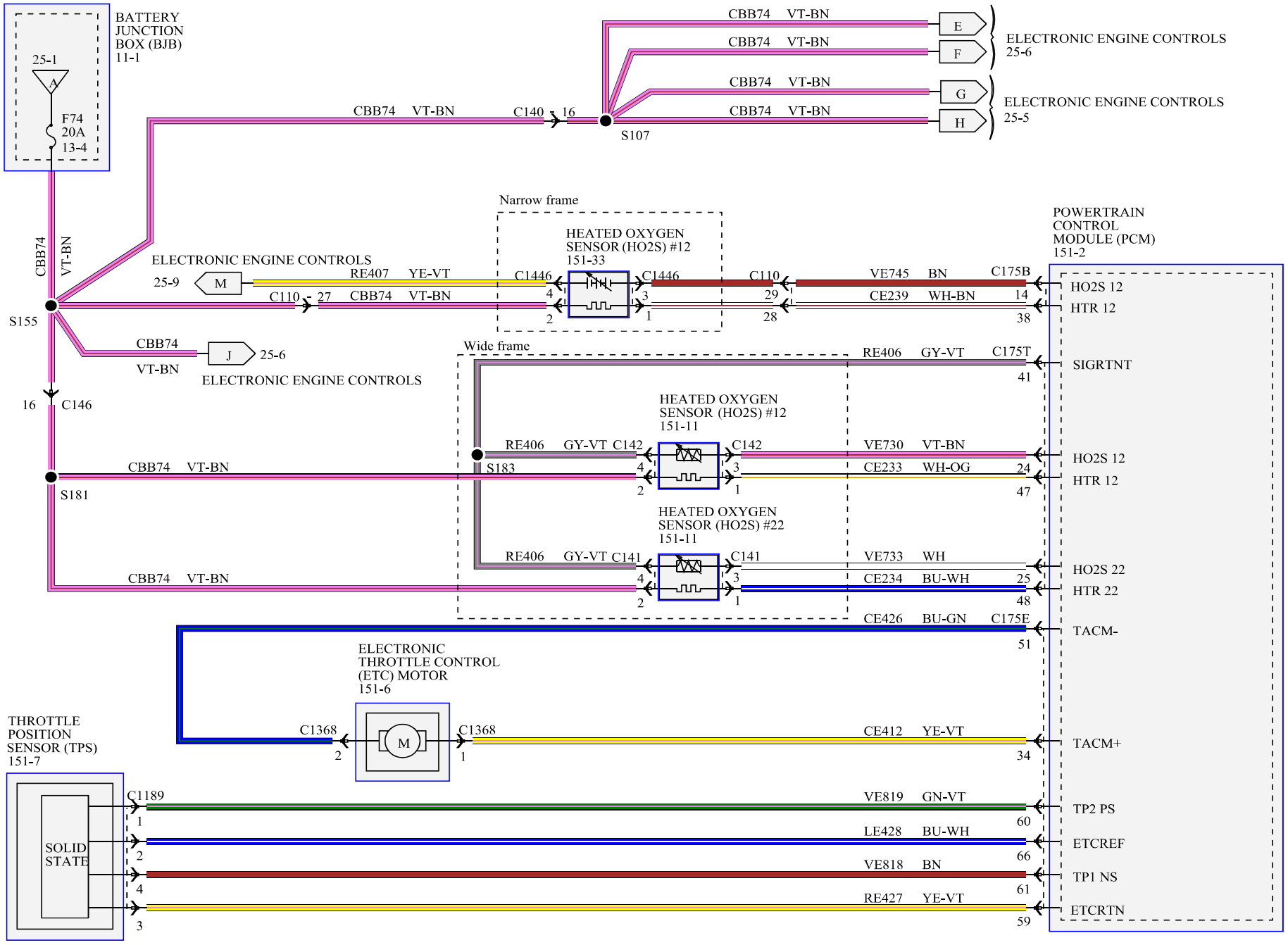

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F13
5A
13-6
SBB13 GY-RD
46 C145
SBB13 GY-RD
19 C237
SBB13 GY-RD
1 C278
BRAKE PEDAL POSITION SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-25 151-26 151-27
2 C278
S162
GD113 BK-YE
G103 10-2
ELECTRONIC ENGINE CONTROLS 26-2
F
CBB70 YE-BU
CLUTCH PEDAL POSITION SWITCH
1) APPLIED
2) RELEASED
151-1
C257
3
C257
4
Manual Transmission
CE904 GN-VT
C1232B
16
POWERTRAIN CONTROL MODULE (PCM) 151-3
CPP TT
GD113 BK-YE
6
5
CET21 GN-WH
S208
CET21 GN-WH
25
CPP BT
BLUNT CUT
CET21 GN-WH
Automatic Transmission
TRANSMISSION CONTROL MODULE (TCM) 29-4
C1750
30
CET21 GN-WH
4X4 CONTROL MODULE 34-2
NEUTRAL
C281A
4
CET21 GN-WH
C145 - 54
CET21 GN-WH
CCB08 VT-WH
C237 - 18
CCB08 VT-WH
CCB08 VT-WH
C145 - 2
CCB08 VT-WH
CCB08 VT-WH
29
BPP
S211
S106
90-1
TURN SIGNAL/STOP/ HAZARD LAMPS
CCB08 VT-WH
CCB08 VT-WH

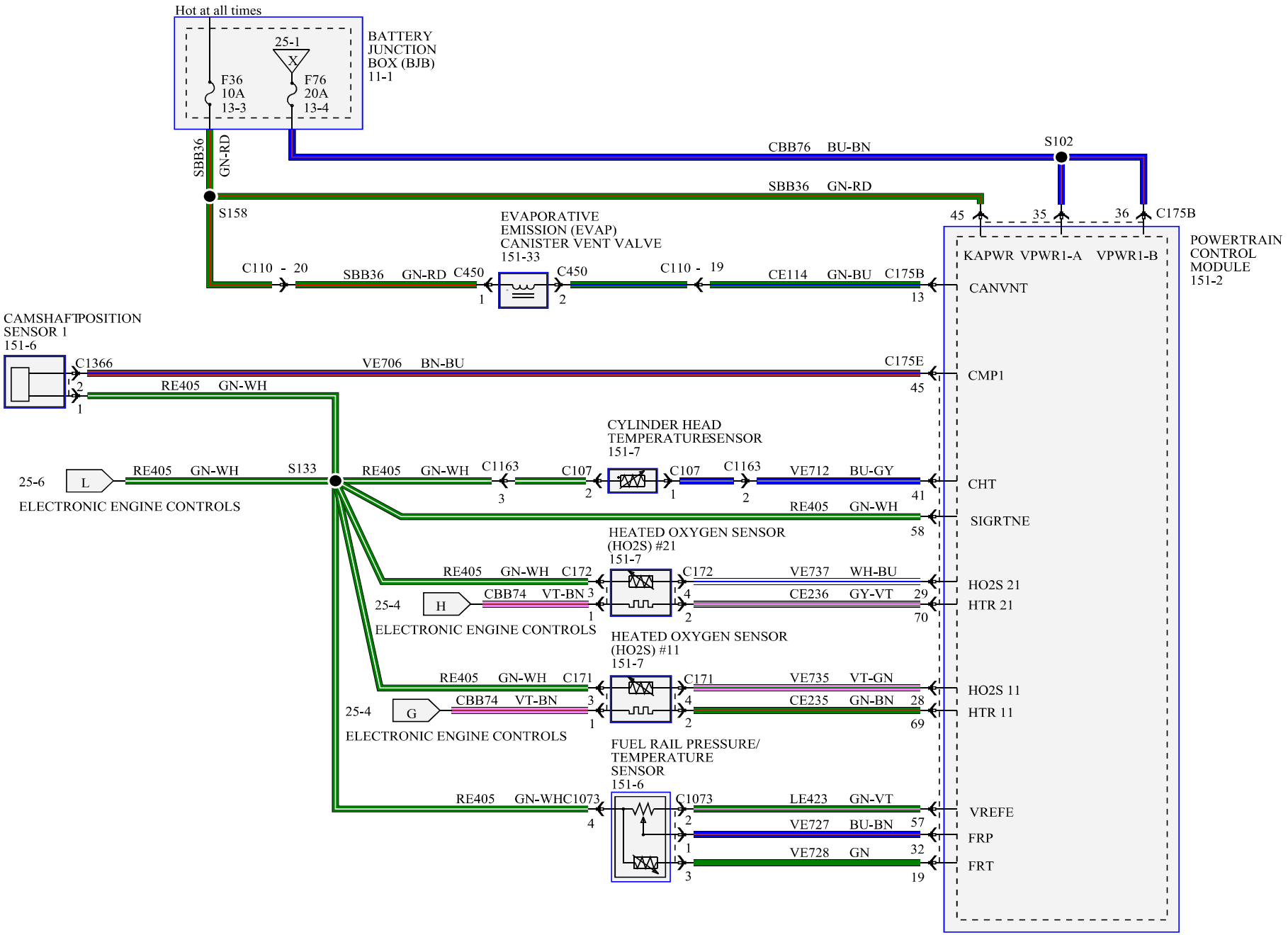

POWERTRAIN CONTROL MODULE (PCM) 151-3
60-3 INSTRUMENT CLUSTER
C210 - 4
CMC25 WH-VT C1232B
41
PBPP
12-3 CHARGING SYSTEM
CDC47 WH
42
GENMON
CDC48 YE-GN
55
GENCOM
31-1 SPEED CONTROL
RES08 GN-BN
17
SCCSRTN
CCA15 YE-GY
13
TRACS
42-1 42-2 VEHICLE DYNAMIC SYSTEMS
CCA10 WH-BN
58
TRACIL
VE822 YE-BU
S130
40
VSS
20-3 20-4 STARTING SYSTEM
CDC12 YE
53
SMC
CDC35 BU-WH
40
ISPS
20-3 20-4 STARTING SYSTEM
CDC38 WH-VT
53
OTIS
CH302 WH-BN
57
ACCR
54-4 MANUAL CLIMATE CONTROL SYSTEM
55-5 AUTOMATIC CLIMATE CONTROL SYSTEM
CH421 GY
C1232E
36
ACCS
CH425 GN-BU
78
ACPSW
VSO
C1232B VMC05 VT-OG
32
BCP IL
CE140 BN
45
BCP SW
CE926 VT-BN
43
CTO
CE913 BU
19
PTO
CE912 YE-GN
30
PTO RPM
CE914 GN
27
PTO VREF
LE434 WH-BN
20
PTO IND
CE326 BU-WH
54
PTO GND
RE327 GY-VT
21
140-2 CUSTOMER ACCESS
HSCAN+
VDB04 WH-BU
34
HSCAN-
VDB05 WH
47
Not Used
VDB04 WH-BU
36
Not Used
VDB05 WH
49
14-2 MODULE COMMUNICATIONS NETWORK
SCCS
VES10 WH
8
31-1 SPEED CONTROL
GENMON
C1232E CDC15 VT
16
GENCOM
CDC10 BU-OG
5
12-2 CHARGING SYSTEM

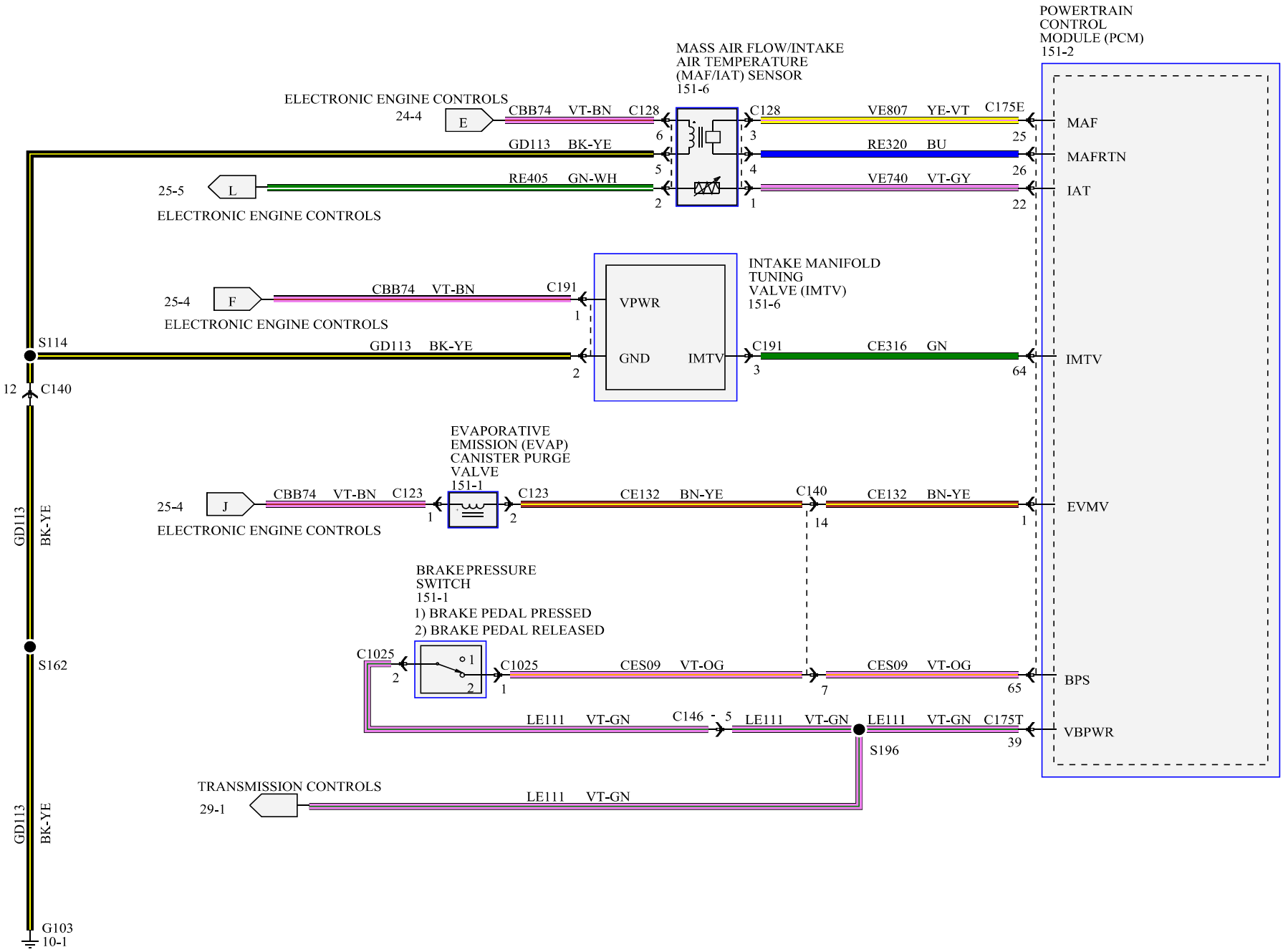

SBB50
YE-RD
S154
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F50 30A 13-4
85
30
86
87
PCM POWER RELAY
A
B
X
25-4
25-10
25-5
F68
F72 15A 13-4
POWERTRAIN CONTROL MODULE (PCM) 151-2
PCMRC
C175B
CE237
BN-WH
37
CE612
GY-VT
CBB72
GN-VT
1
C140
CBB72 GN-VT
C
25-2
ELCTRONIC ENGINE CONTROLS
S127
COP5C
C175E
CE307
WH-BN
10
C115
2
1
COIL ON PLUG (COP) 5 151-7
CBB72 GN-VT
COP4I
CE306
GN-VT
14
C114
COIL ON PLUG (COP) 4 151-7
COP3G
CE305
BU-OG
12
C113
COIL ON PLUG (COP) 3 151-7
COP2E
CE304
YE-BU
11
C112
COIL ON PLUG (COP) 2 151-7
COP1A
CE303
WH-VT
17
C111
COIL ON PLUG (COP) 1 151-7
1
C174
IGNITION TRANSFORMER CAPACITOR 1 151-6

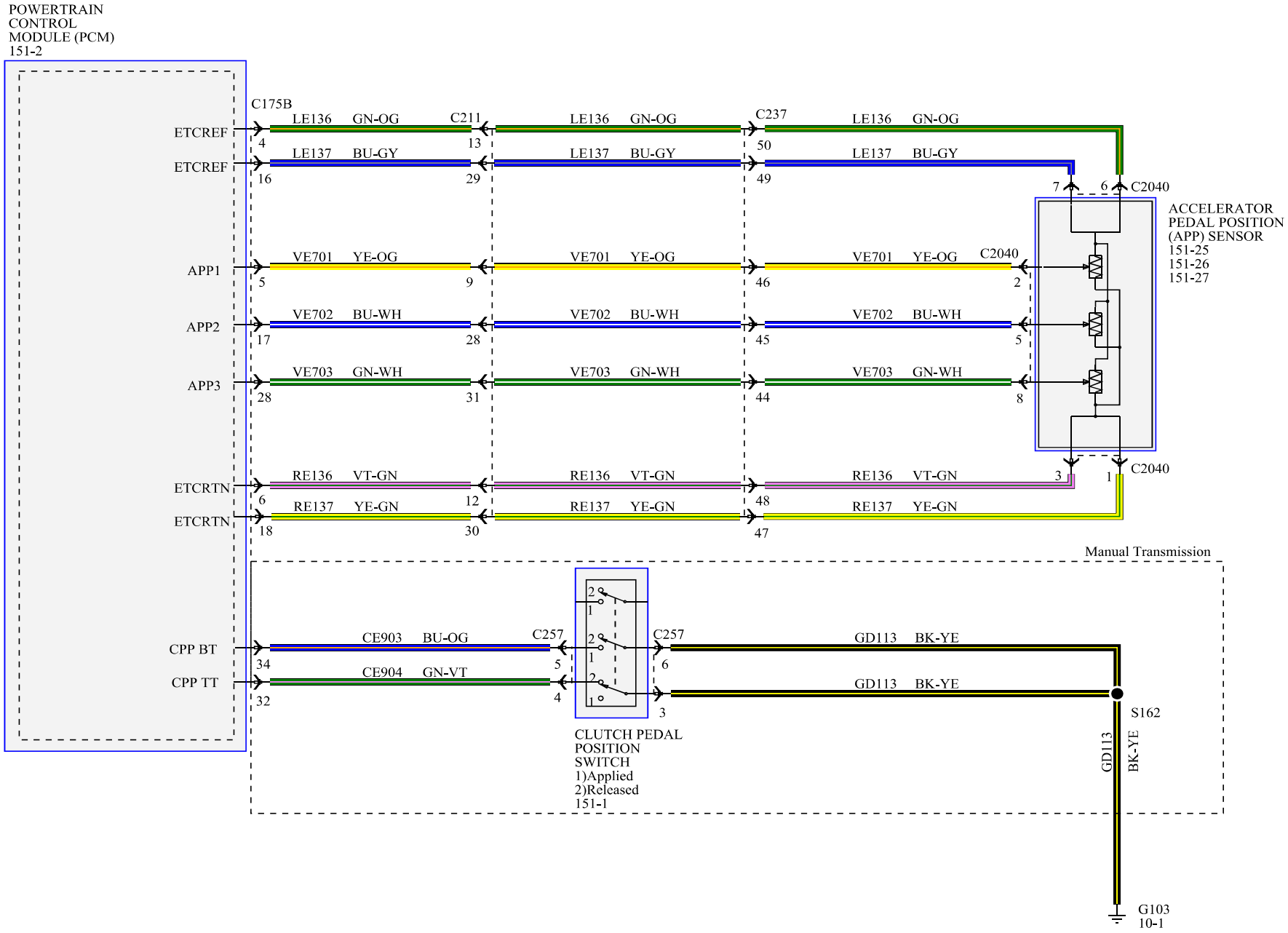

POWERTRAIN CONTROL MODULE (PCM) 151-2
CD8
CD7
CD6
CD9
CD10
DRAIN
CKPN
CKPP
GND GND GND GND GND
C175E CE310 BU-BN C118
9
COIL ON PLUG (COP) 8 151-6
CE309 YE-GY C117
16
COIL ON PLUG (COP) 7 151-6
CE308 VT-BN C116
15
COIL ON PLUG (COP) 6 151-6
CE311 WH C1206
13
COIL ON PLUG (COP) 9 151-6
CE312 GY-BU C1207
8
COIL ON PLUG (COP) 10 151-6
CBB72 GN-VT
C
ELECTRONIC ENGINE CONTROL 25-1
S135
DE706 NONE S134 DE706 NONE
5
RE135 GN-BN
46
VE711 YE-VT
47
C101
CRANKSHAFT POSITION SENSOR 151-6
10 47 48 49 50 C175B
GD164 BK-VT
GD113 BK-YE
GD113 BK-YE
GD113 BK-YE
GD113 BK-YE
S162 GD113 BK-YE
G106 10-1
G103 10-1
C194
IGNITION TRANSFORMER CAPACITOR 2 151-6


Hot in Run and Start
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F71 5A 13-7
FUEL PUMP DIODE
F32 20A 13-7
FUEL PUMP RELAY
CBB71 BU-OG
CE517 BU-GN
GD124 BK-VT
CE608 VT-GN
S123
S115
S156
POWERTRAIN CONTROL MODULE (PCM) 151-2
31 C175B
G108 10-4
Wide Frame
K 25-9 ELECTRONIC ENGINE CONTROLS
D 25-8 ELECTRONIC ENGINE CONTROLS
Narrow Frame
ISP-R
INJ10
INJ9
INJ8
INJ7
INJ6
INJ5
INJ4
INJ3
INJ2
INJ1
INJPWRM
C175E
CE214 BU-GN
CE213 BN-BU
CE212 VT-OG
CE211 GY-BN
CE210 GN-WH
CE209 BN
CE208 YE-OG
CE207 VT-GY
CE206 GY-YE
CE205 GN-BU
C1205
C1204
C188
C187
C186
C185
C184
C183
C182
C181
FUEL INJECTOR 10 151-6
FUEL INJECTOR 9 151-6
FUEL INJECTOR 8 151-6
FUEL INJECTOR 7 151-6
FUEL INJECTOR 6 151-6
FUEL INJECTOR 5 151-7
FUEL INJECTOR 4 151-7
FUEL INJECTOR 3 151-7
FUEL INJECTOR 2 151-7
FUEL INJECTOR 1 151-7
S136
S132
9 C140

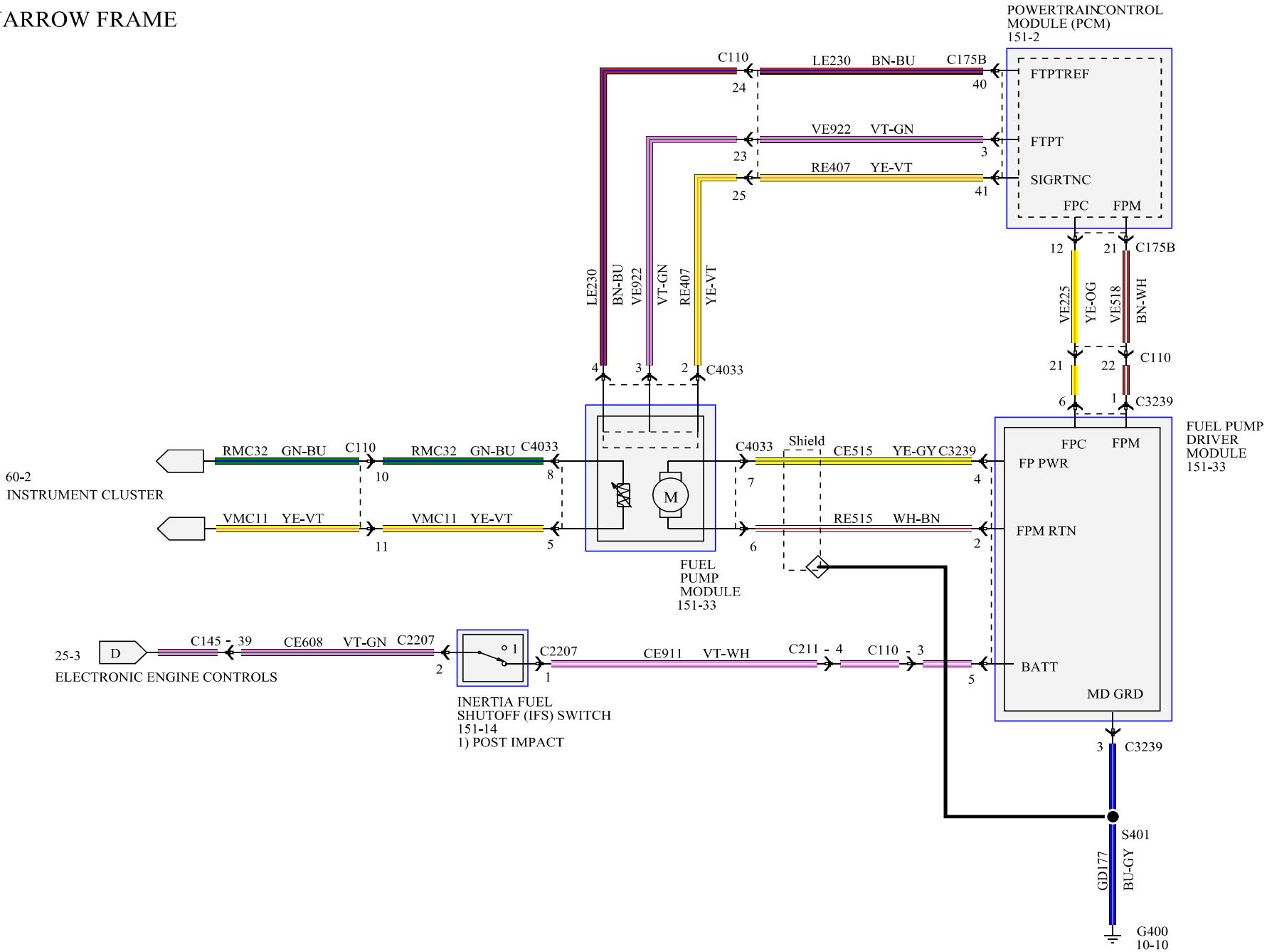

BATTERY JUNCTION BOX (BJB) 11-1
25-1
A
F74 20A 13-4
CBB74 VT-BN
C140 16
S107
CBB74 VT-BN
E
CBB74 VT-BN
F
ELECTRONIC ENGINE CONTROLS 25-6
CBB74 VT-BN
G
CBB74 VT-BN
H
ELECTRONIC ENGINE CONTROLS 25-5
Narrow frame
HEATED OXYGEN SENSOR (HO2S) #12 151-33
POWERTRAIN CONTROL MODULE (PCM) 151-2
ELECTRONIC ENGINE CONTROLS
25-9
M
RE407 YE-VT
C110 27 CBB74 VT-BN
C1446
C110
VE745 BN
C175B
CE239 WH-BN
14
HO2S 12
HTR 12
38
S155
CBB74 VT-BN
CBB74
J
25-6
ELECTRONIC ENGINE CONTROLS
Wide frame
RE406 GY-VT
C175T
41
SIGRTNT
16 C146
HEATED OXYGEN SENSOR (HO2S) #12 151-11
RE406 GY-VT C142
C142
VE730 VT-BN
HO2S 12
S183
CE233 WH-OG
24
HTR 12
CBB74 VT-BN
S181
47
HEATED OXYGEN SENSOR (HO2S) #22 151-11
RE406 GY-VT C141
C141
VE733 WH
HO2S 22
CE234 BU-WH
25
HTR 22
CBB74 VT-BN
48
CE426 BU-GN
C175E
51
TACM-
ELECTRONIC THROTTLE CONTROL (ETC) MOTOR 151-6
THROTTLE POSITION SENSOR (TPS) 151-7
C1368
C1368
CE412 YE-VT
34
TACM+
SOLID STATE
C1189
VE819 GN-VT
60
TP2 PS
LE428 BU-WH
66
ETCREF
VE818 BN
61
TP1 NS
RE427 YE-VT
59
ETCRTN


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
25-1
X
F36 10A 13-3
F76 20A 13-4
SBB36 GN-RD
CBB76 BU-BN
S102
SBB36 GN-RD
S158
EVAPORATIVE EMISSION (EVAP) CANISTER VENT VALVE 151-33
C110 - 20
SBB36 GN-RD C450
C450
C110 - 19
CE114 GN-BU C175B
45 35 36 C175B
POWERTRAIN CONTROL MODULE 151-2
KAPWR VPWR1-A VPWR1-B
CANVNT
CAMSHAFTPOSITION SENSOR 1 151-6
C1366
VE706 BN-BU
C175E
CMP1
RE405 GN-WH
CYLINDER HEAD TEMPERATURESENSOR 151-7
25-6
L
RE405 GN-WH S133
RE405 GN-WH C1163
C107
C107 C1163
VE712 BU-GY
CHT
ELECTRONIC ENGINE CONTROLS
RE405 GN-WH
SIGRTNE
HEATED OXYGEN SENSOR (HO2S) #21 151-7
RE405 GN-WH C172
C172
VE737 WH-BU
HO2S 21
25-4
H
CBB74 VT-BN
CE236 GY-VT
HTR 21
ELECTRONIC ENGINE CONTROLS
HEATED OXYGEN SENSOR (HO2S) #11 151-7
RE405 GN-WH C171
C171
VE735 VT-GN
HO2S 11
25-4
G
CBB74 VT-BN
CE235 GN-BN
HTR 11
ELECTRONIC ENGINE CONTROLS
FUEL RAIL PRESSURE/ TEMPERATURE SENSOR 151-6
RE405 GN-WH C1073
C1073
LE423 GN-VT
VREFE
VE727 BU-BN
FRP
VE728 GN
FRT

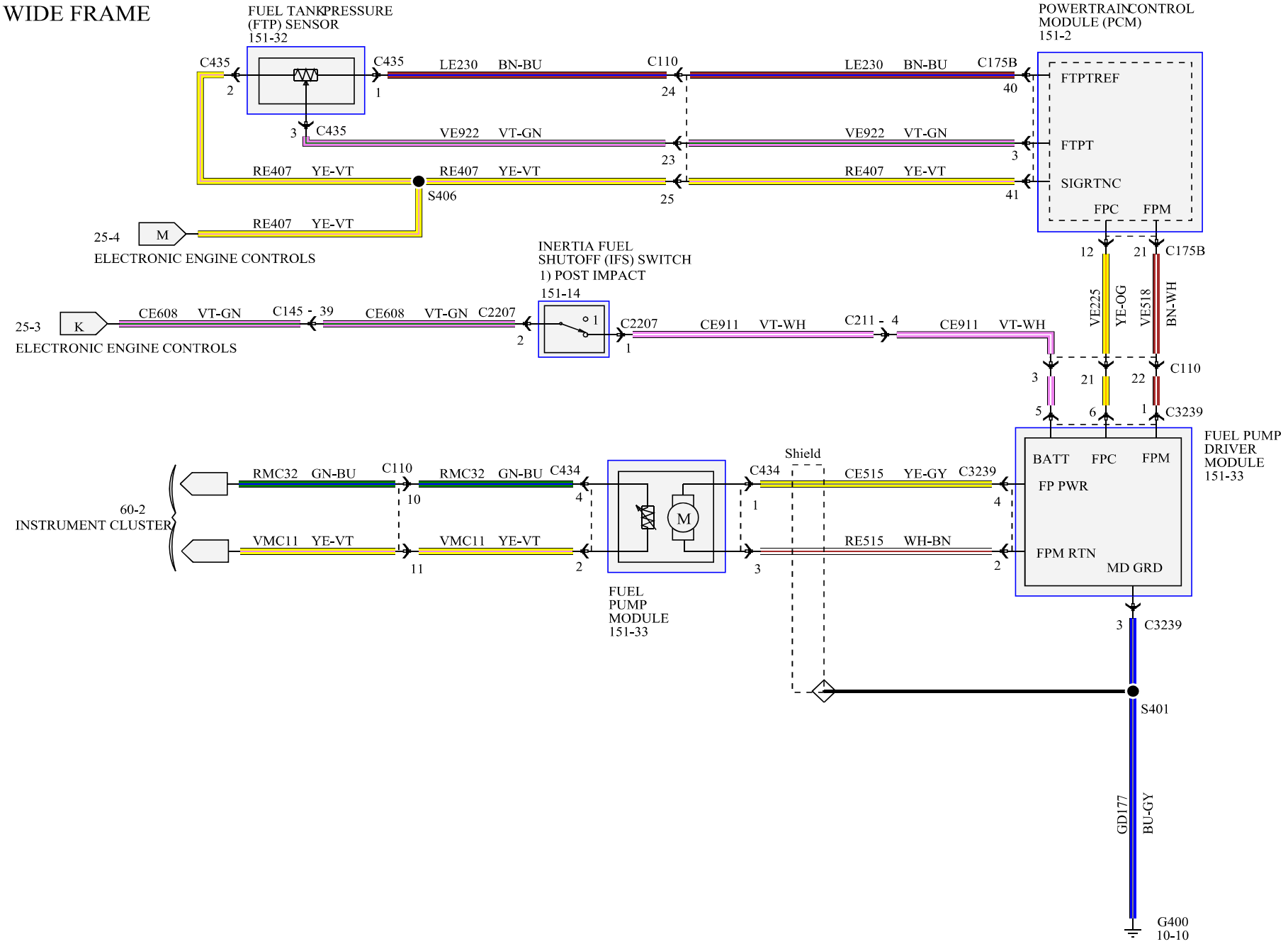

POWERTRAIN CONTROL MODULE (PCM) 151-2
MASS AIR FLOW/INTAKE AIR TEMPERATURE (MAF/IAT) SENSOR 151-6
ELECTRONIC ENGINE CONTROLS
24-4
E
CBB74 VT-BN C128
C128 VE807 YE-VT C175E
MAF
GD113 BK-YE
RE320 BU
MAFRTN
25-5
L
RE405 GN-WH
VE740 VT-GY
IAT
ELECTRONIC ENGINE CONTROLS
INTAKE MANIFOLD TUNING VALVE (IMTV) 151-6
25-4
F
CBB74 VT-BN C191
VPWR
ELECTRONIC ENGINE CONTROLS
S114
GD113 BK-YE
GND
IMTV
C191 CE316 GN
IMTV
12 C140
EVAPORATIVE EMISSION (EVAP) CANISTER PURGE VALVE 151-1
25-4
J
CBB74 VT-BN C123
C123 CE132 BN-YE
C140 CE132 BN-YE
EVMV
ELECTRONIC ENGINE CONTROLS
GD113 BK-YE
BRAKE PRESSURE SWITCH 151-1
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
C1025
C1025 CES09 VT-OG
CES09 VT-OG
BPS
S162
LE111 VT-GN
C146
LE111 VT-GN
LE111 VT-GN C175T
VBPWR
S196
TRANSMISSION CONTROLS
29-1
LE111 VT-GN
GD113 BK-YE
G103
10-1

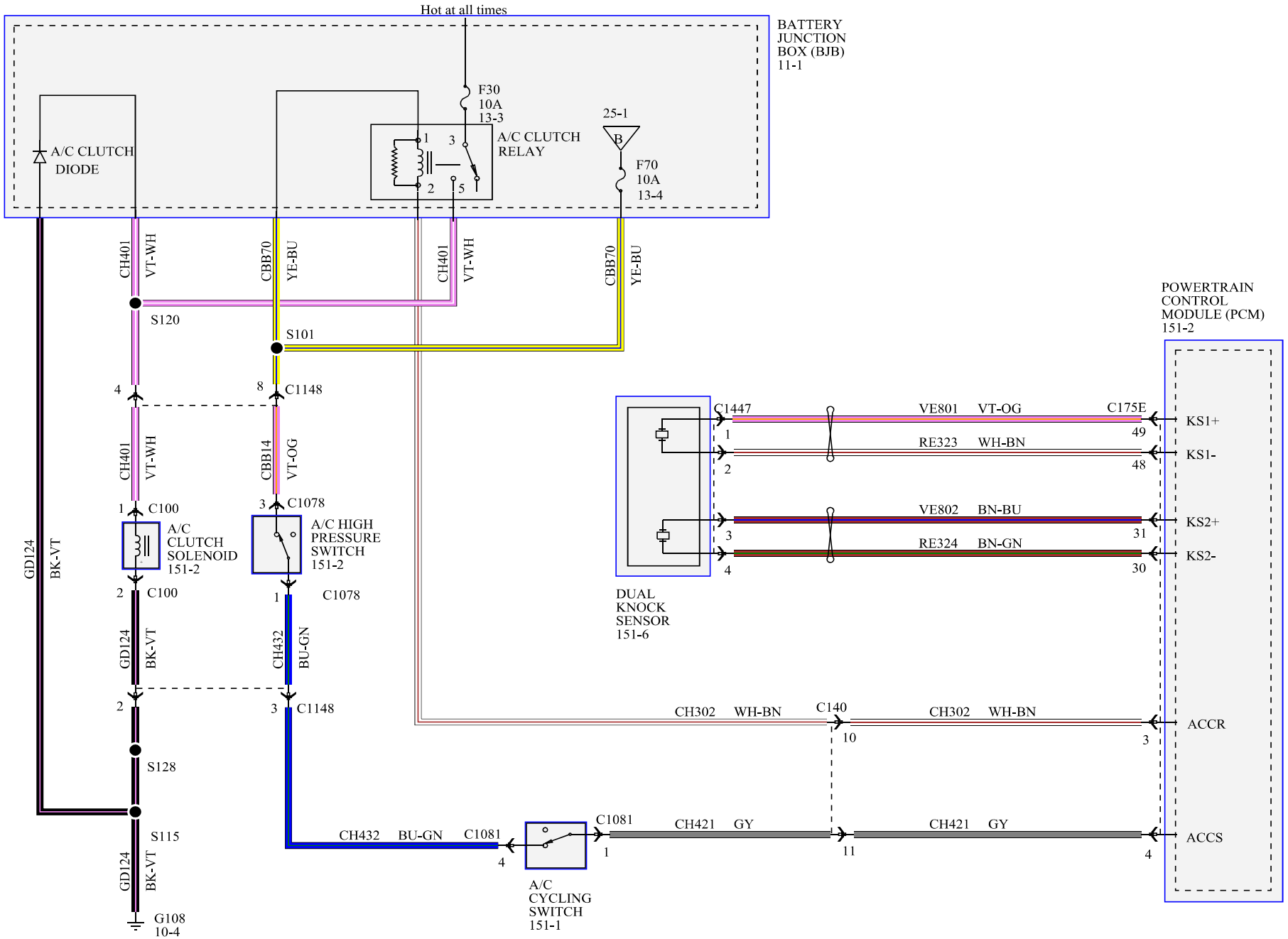

POWERTRAIN CONTROL MODULE (PCM) 151-2
C175B
ETCREF
ETCREF
APP1
APP2
APP3
ETCRTN
ETCRTN
CPP BT
CPP TT
LE136 GN-OG
LE137 BU-GY
VE701 YE-OG
VE702 BU-WH
VE703 GN-WH
RE136 VT-GN
RE137 YE-GN
CE903 BU-OG
CE904 GN-VT
C211
C237
C2040
C257
ACCELERATOR PEDAL POSITION (APP) SENSOR 151-25 151-26 151-27
Manual Transmission
CLUTCH PEDAL POSITION SWITCH 1)Applied 2)Released 151-1
GD113 BK-YE
S162
G103 10-1

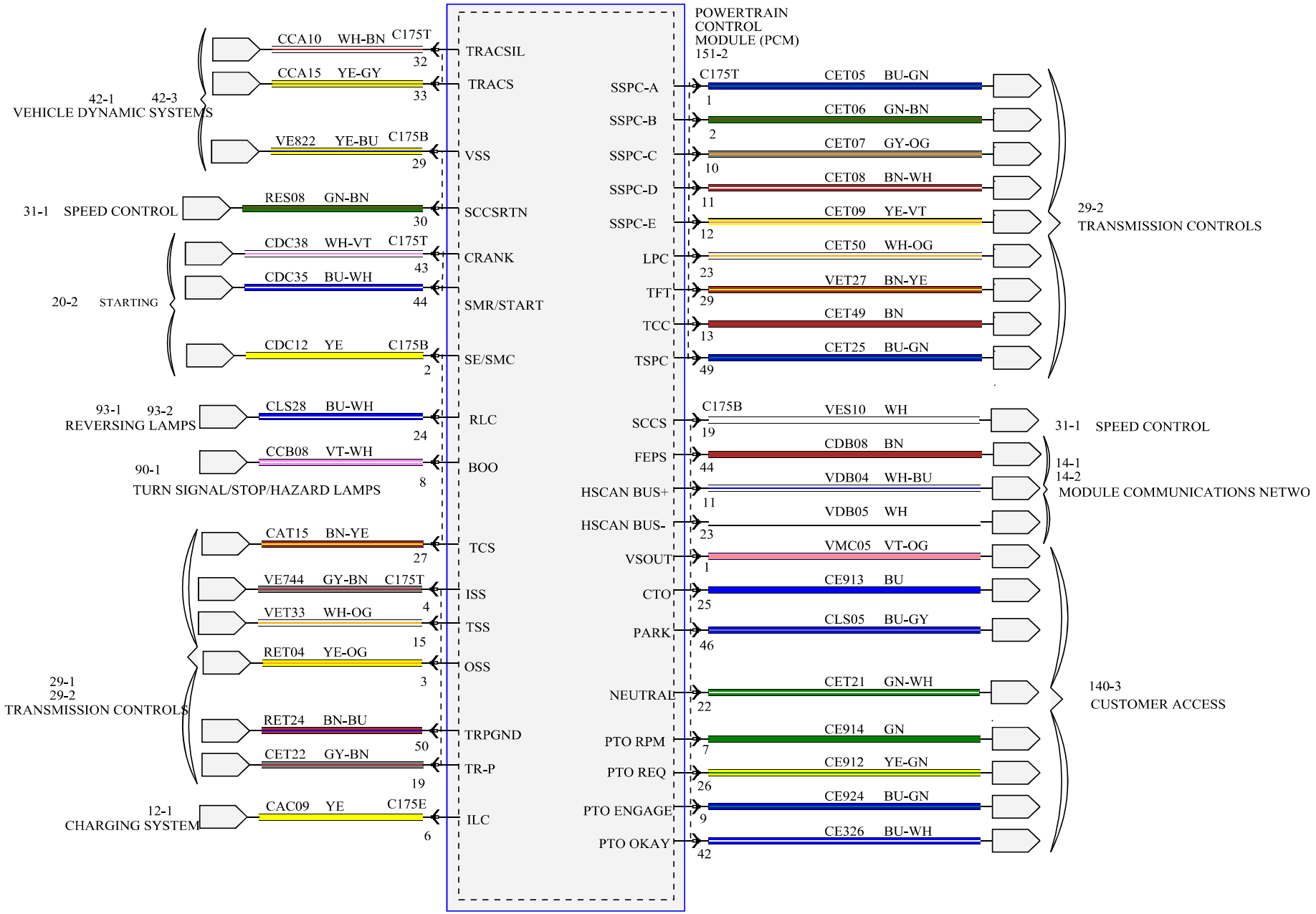
NARROW FRAME



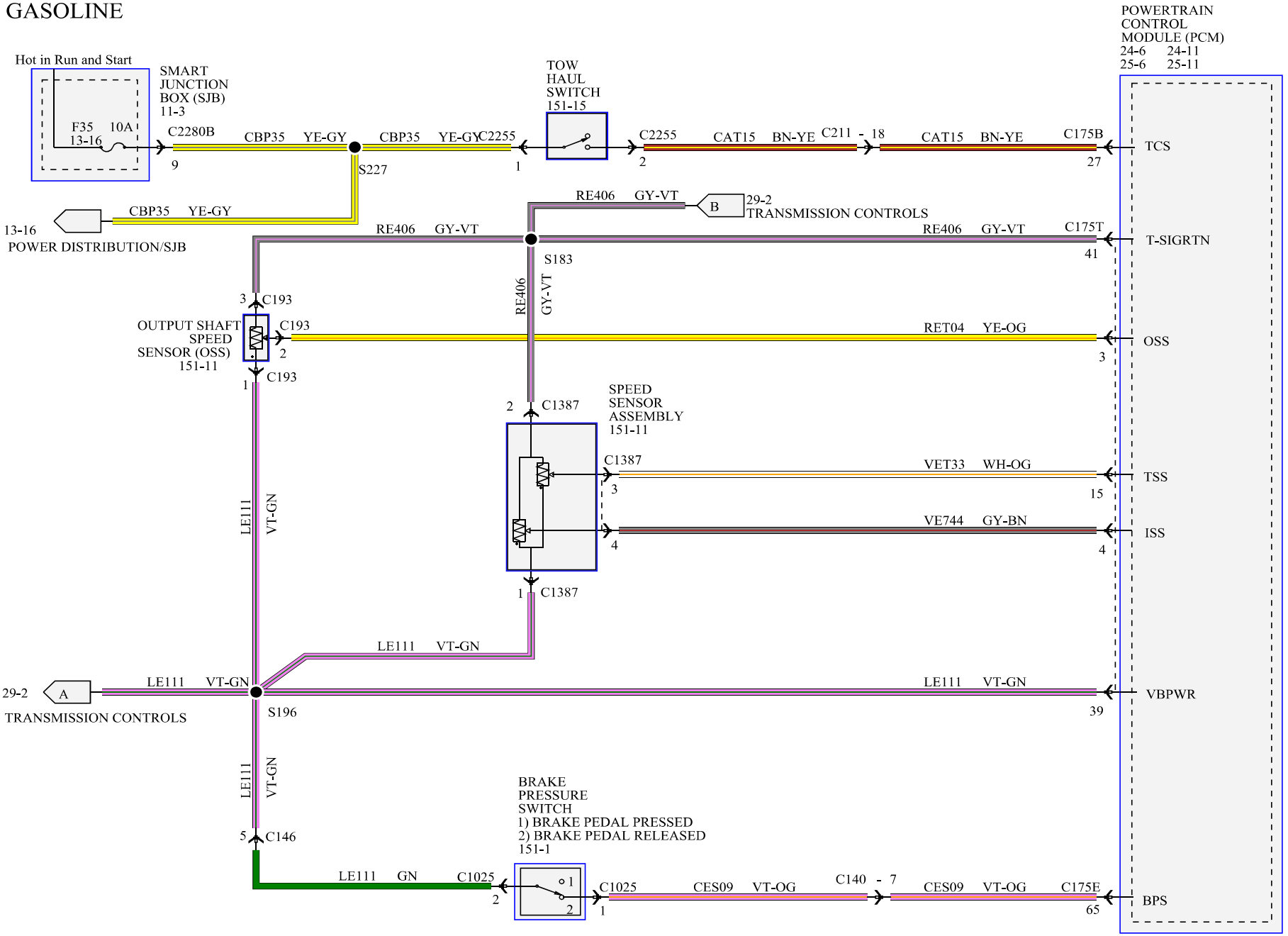
WIDE FRAME


FUEL TANK PRESSURE (FTP) SENSOR 151-32
C435
2
3
1
C435
C435
LE230 BN-BU
C110
24
LE230 BN-BU
C175B
40
POWERTRAIN CONTROL MODULE (PCM) 151-2
FTPTREF
FTPT
SIGRTNC
FPC
FPM
VE922 VT-GN
23
VE922 VT-GN
3
RE407 YE-VT
RE407 YE-VT
25
RE407 YE-VT
41
S406
25-4
M
RE407 YE-VT
ELECTRONIC ENGINE CONTROLS
INERTIA FUEL SHUTOFF (IFS) SWITCH 1) POST IMPACT 151-14
25-3
K
CE608 VT-GN
C145
39
CE608 VT-GN
C2207
2
1
C2207
CE911 VT-WH
C211
4
CE911 VT-WH
ELECTRONIC ENGINE CONTROLS
12
21
C175B
VE225 YE-OG
VE518 BN-WH
3
21
22
C110
5
6
1
C3239
FUEL PUMP DRIVER MODULE 151-33
BATT
FPC
FPM
FP PWR
FPM RTN
MD GRD
Shield
60-2
INSTRUMENT CLUSTER
RMC32 GN-BU
C110
10
RMC32 GN-BU
C434
4
VMC11 YE-VT
11
VMC11 YE-VT
2
M
FUEL PUMP MODULE 151-33
C434
1
CE515 YE-GY
C3239
4
RE515 WH-BN
3
2
3
C3239
S401
GD177
BU-GY
G400
10-10

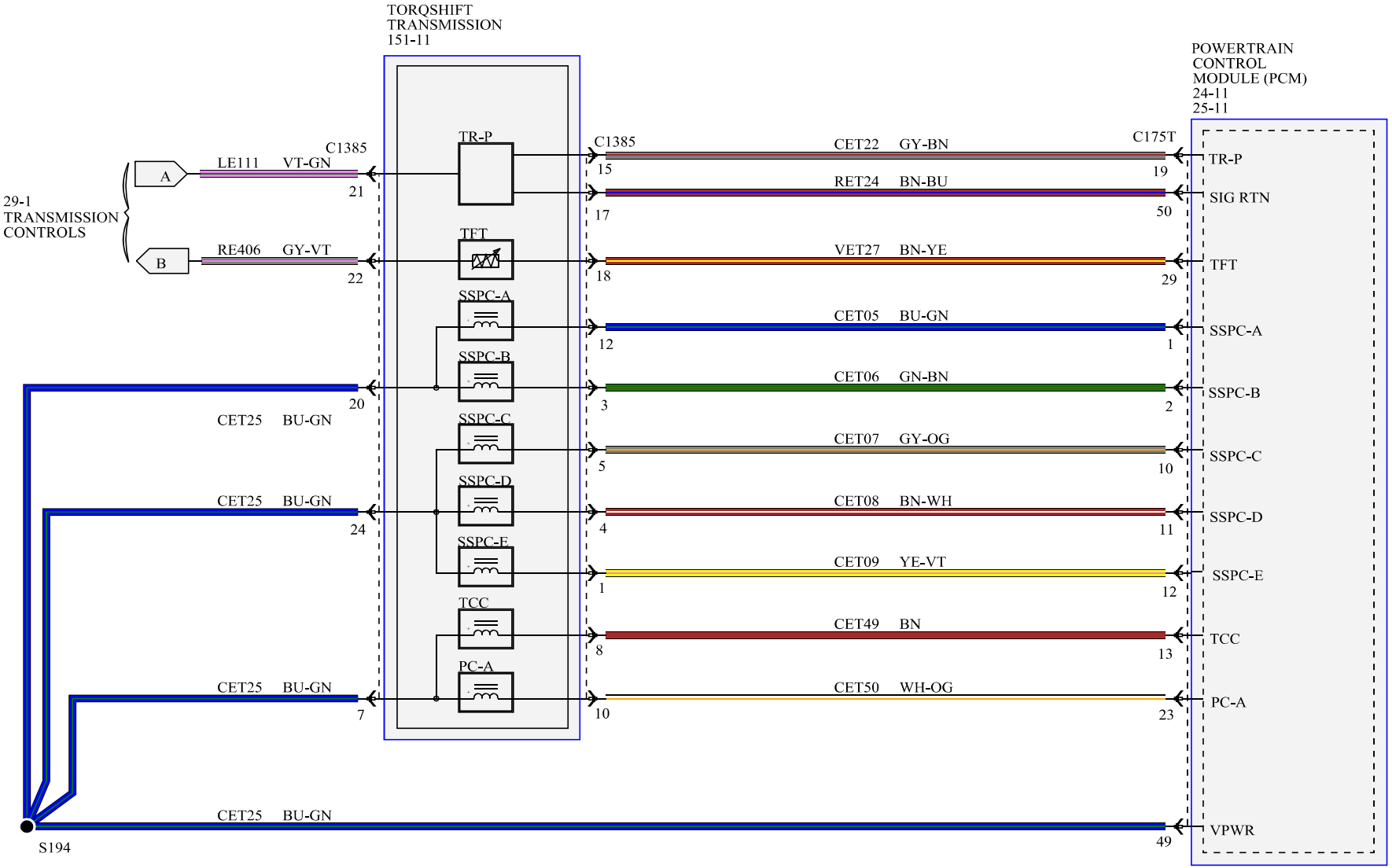

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
A/C CLUTCH DIODE
F30 10A 13-3
A/C CLUTCH RELAY
25-1
F70 10A 13-4
CH401 VT-WH
CBB70 YE-BU
S120
S101
C1148
CBB14 VT-OG
C100
C1078
A/C CLUTCH SOLENOID 151-2
A/C HIGH PRESSURE SWITCH 151-2
GD124 BK-VT
CH432 BU-GN
S128
S115
G108 10-4
DUAL KNOCK SENSOR 151-6
C1447
C175E
VE801 VT-OG
RE323 WH-BN
VE802 BN-BU
RE324 BN-GN
KS1+
KS1-
KS2+
KS2-
POWERTRAIN CONTROL MODULE (PCM) 151-2
CH302 WH-BN
C140
ACCR
A/C CYCLING SWITCH 151-1
C1081
CH421 GY
ACCS


POWERTRAIN CONTROL MODULE (PCM) 151-2
CCA10 WH-BN C175T 32
TRACSIL
CCA15 YE-GY 33
TRACS
42-1 42-3 VEHICLE DYNAMIC SYSTEMS
VE822 YE-BU C175B 29
VSS
31-1 SPEED CONTROL
RES08 GN-BN 30
SCCSRTN
CDC38 WH-VT C175T 43
CRANK
20-2 STARTING
CDC35 BU-WH 44
SMR/START
CDC12 YE C175B 2
SE/SMC
93-1 93-2 REVERSING LAMPS
CLS28 BU-WH 24
RLC
90-1 TURN SIGNAL/STOP/HAZARD LAMPS
CCB08 VT-WH 8
BOO
CAT15 BN-YE 27
TCS
VE744 GY-BN C175T 4
ISS
VET33 WH-OG 15
TSS
RET04 YE-OG 3
OSS
29-1 29-2 TRANSMISSION CONTROLS
RET24 BN-BU 50
TRPGND
CET22 GY-BN 19
TR-P
12-1 CHARGING SYSTEM
CAC09 YE C175E 6
ILC
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
LPC
TFT
TCC
TSPC
C175T
CET05 BU-GN 1
CET06 GN-BN 2
CET07 GY-OG 10
CET08 BN-WH 11
CET09 YE-VT 12
CET50 WH-OG 23
VET27 BN-YE 29
CET49 BN 13
CET25 BU-GN 49
29-2 TRANSMISSION CONTROLS
SCCS
FEPS
HSCAN BUS+
HSCAN BUS-
VSOUT
CTO
PARK
C175B
VES10 WH 19
CDB08 BN 44
VDB04 WH-BU 11
VDB05 WH 23
VMC05 VT-OG 1
CE913 BU 25
CLS05 BU-GY 46
31-1 SPEED CONTROL
14-1 14-2 MODULE COMMUNICATIONS NETWO
NEUTRAL
PTO RPM
PTO REQ
PTO ENGAGE
PTO OKAY
CET21 GN-WH 22
CE914 GN 7
CE912 YE-GN 26
CE924 BU-GN 9
CE326 BU-WH 42
140-3 CUSTOMER ACCESS

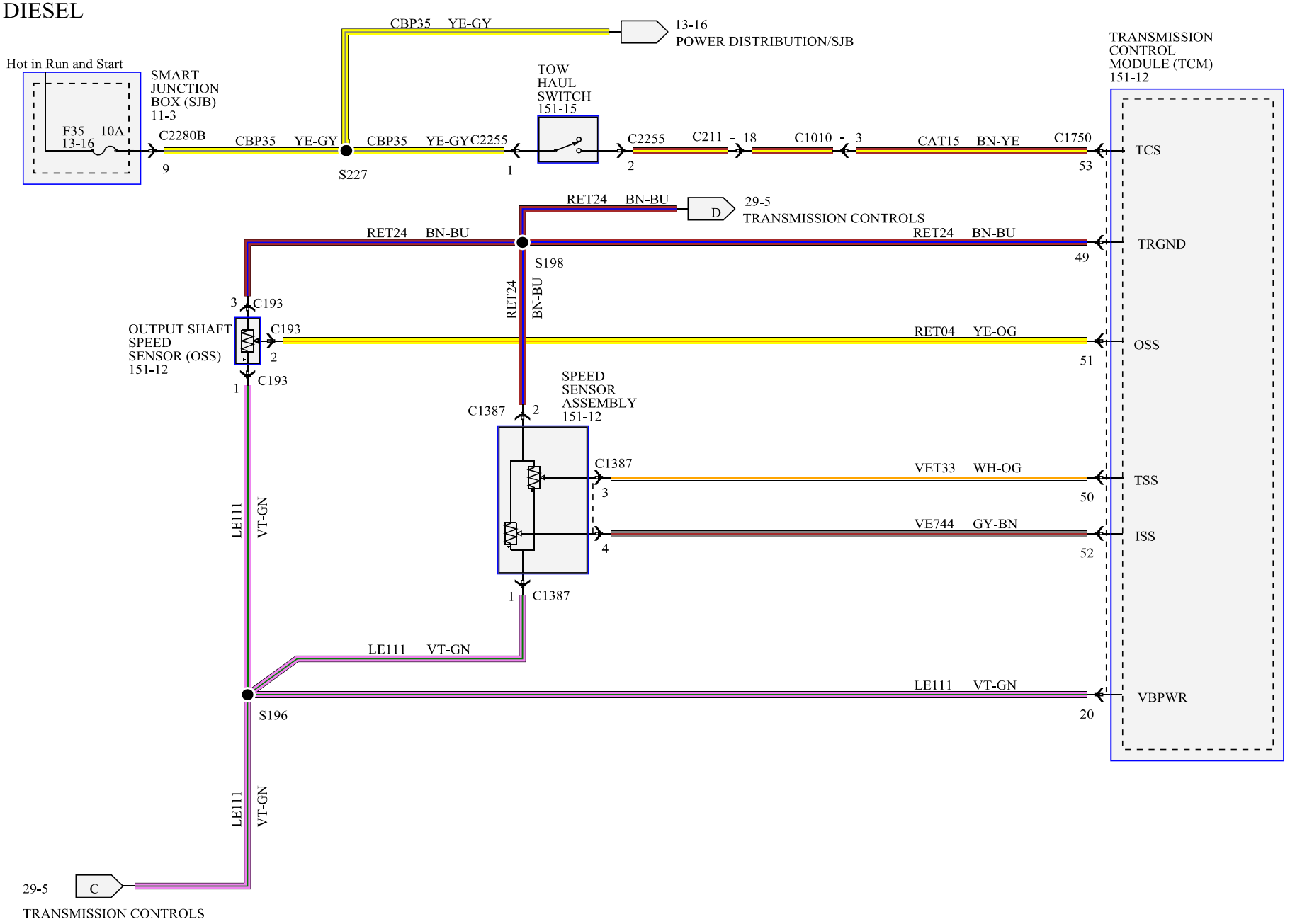
GASOLINE


POWERTRAIN CONTROL MODULE (PCM)
24-6 24-11
25-6 25-11
Hot in Run and Start
SMART JUNCTION BOX (SJB)
11-3
F35 10A
13-16
C2280B
CBP35 YE-GY
CBP35 YE-GY
C2255
TOW HAUL SWITCH
151-15
C2255 CAT15 BN-YE
C211 - 18
CAT15 BN-YE
C175B
TCS
S227
13-16
POWER DISTRIBUTION/SJB
CBP35 YE-GY
RE406 GY-VT
B
29-2
TRANSMISSION CONTROLS
RE406 GY-VT
RE406 GY-VT
C175T
T-SIGRTN
S183
RE406
GY-VT
OUTPUT SHAFT SPEED SENSOR (OSS)
151-11
C193
RET04 YE-OG
OSS
SPEED SENSOR ASSEMBLY
151-11
C1387
VET33 WH-OG
TSS
VE744 GY-BN
ISS
LE111 VT-GN
29-2
A
TRANSMISSION CONTROLS
S196
VBPWR
BRAKE PRESSURE SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-1
C146
LE111 GN
C1025
CES09 VT-OG
C140 - 7
BPS

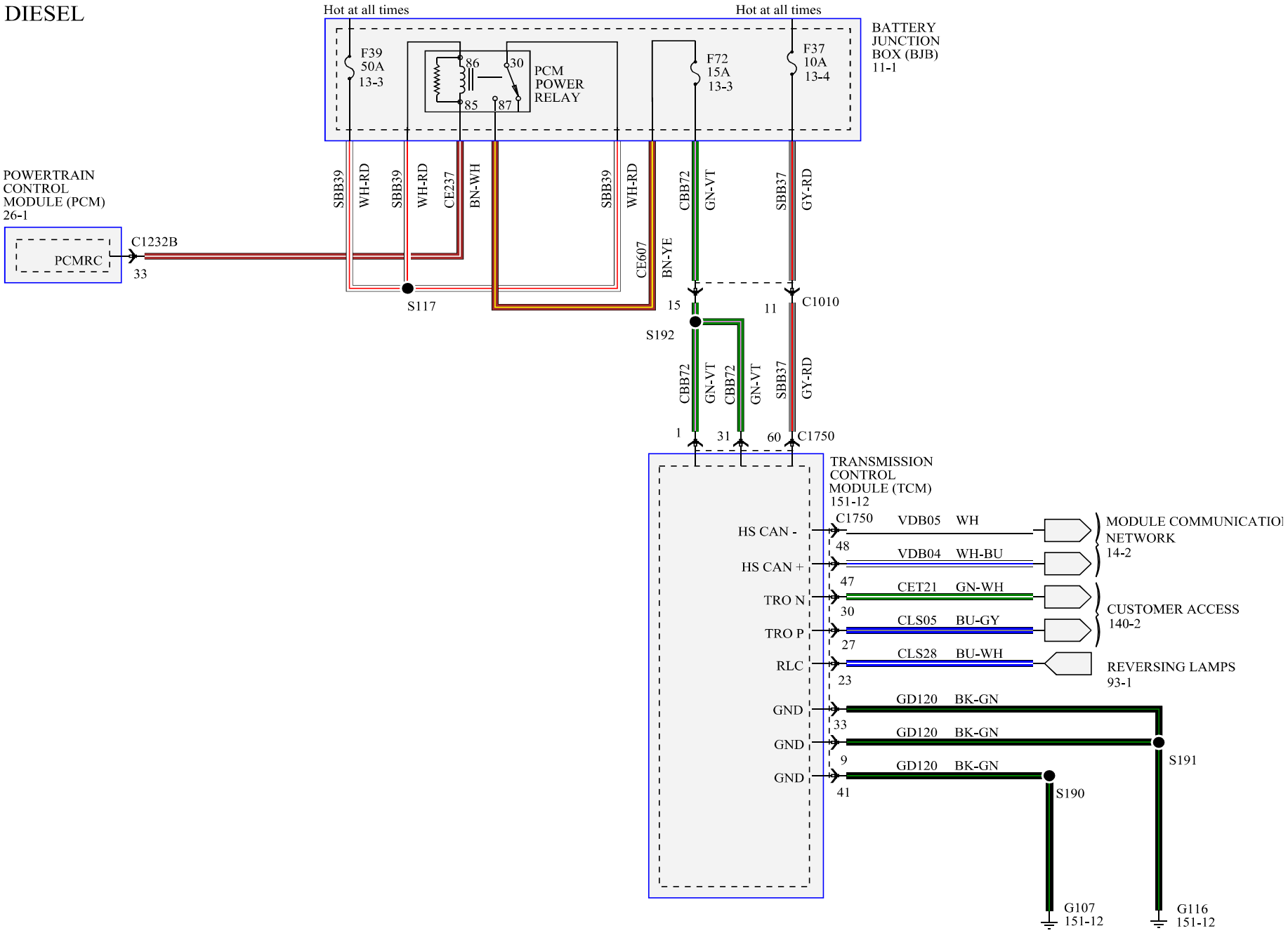
GASOLINE


TORQSHIFT
TRANSMISSION
151-11
POWERTRAIN
CONTROL
MODULE (PCM)
24-11
25-11
29-1
TRANSMISSION
CONTROLS
A
B
LE111 VT-GN
RE406 GY-VT
C1385
21
22
TR-P
TFT
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
TCC
PC-A
CET22 GY-BN
RET24 BN-BU
VET27 BN-YE
CET05 BU-GN
CET06 GN-BN
CET07 GY-OG
CET08 BN-WH
CET09 YE-VT
CET49 BN
CET50 WH-OG
C175T
15
19
17
50
18
29
12
1
3
2
5
10
4
11
1
12
8
13
10
23
TR-P
SIG RTN
TFT
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
TCC
PC-A
VPWR
CET25 BU-GN
20
24
7
49
S194

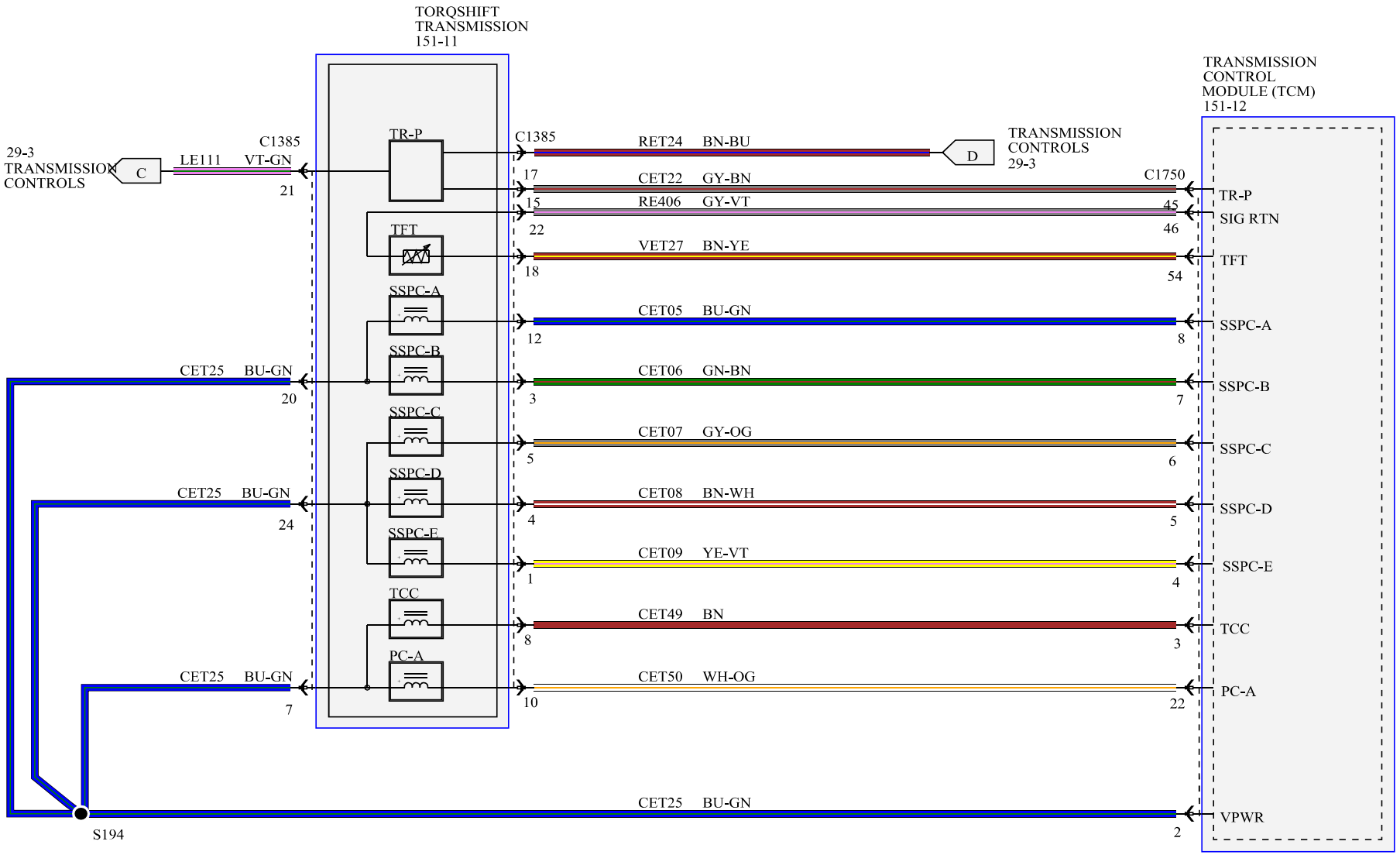
DIESEL

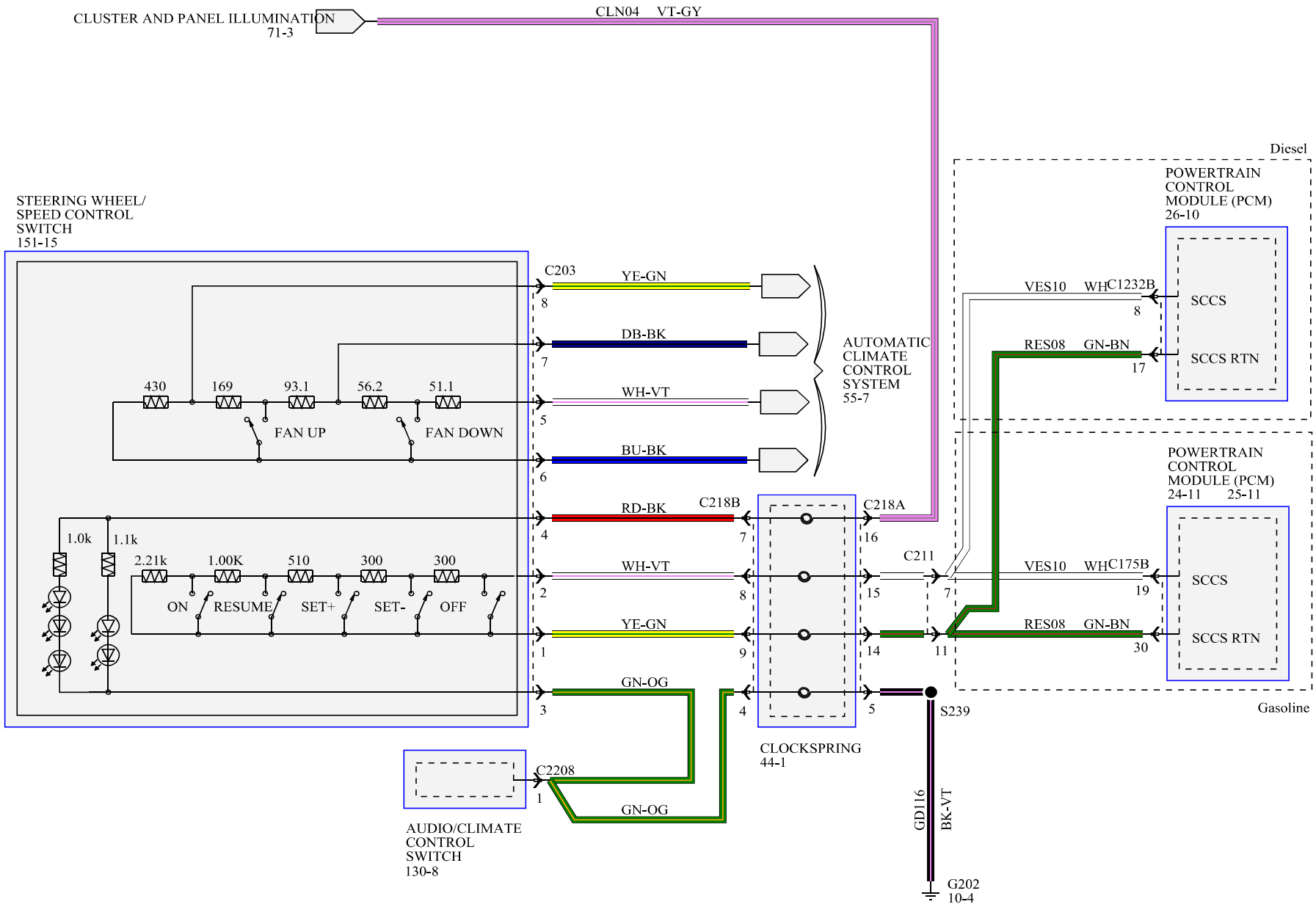

CBP35 YE-GY
13-16
POWER DISTRIBUTION/SJB
TRANSMISSION CONTROL MODULE (TCM) 151-12
Hot in Run and Start
SMART JUNCTION BOX (SJB) 11-3
F35 10A 13-16
C2280B
9
CBP35 YE-GY
S227
CBP35 YE-GY
C2255
TOW HAUL SWITCH 151-15
1
C2255
2
C211 - 18
C1010 - 3
CAT15 BN-YE
C1750
53
TCS
RET24 BN-BU
D
29-5
TRANSMISSION CONTROLS
RET24 BN-BU
RET24 BN-BU
49
TRGND
S198
RET24
BN-BU
3 C193
OUTPUT SHAFT SPEED SENSOR (OSS) 151-12
C193
2
RET04 YE-OG
51
OSS
1 C193
SPEED SENSOR ASSEMBLY 151-12
C1387
2
C1387
VET33 WH-OG
3
50
TSS
VE744 GY-BN
4
52
ISS
1 C1387
LE111 VT-GN
LE111 VT-GN
LE111 VT-GN
20
VBPWR
S196
LE111 VT-GN
29-5
C
TRANSMISSION CONTROLS

DIESEL

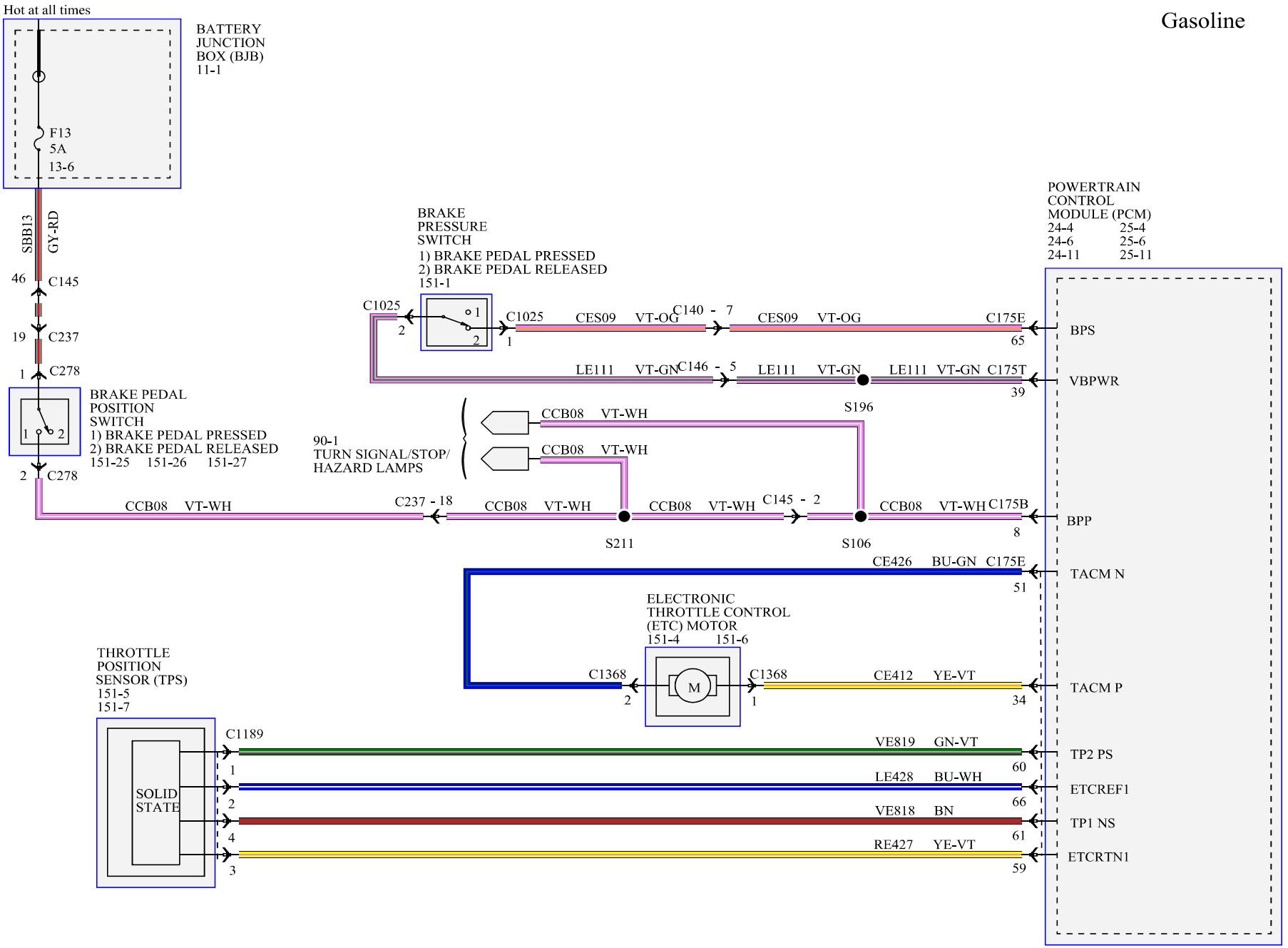

Hot at all times
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F39 50A 13-3
86
30
PCM POWER RELAY
85
87
F72 15A 13-3
F37 10A 13-4
POWERTRAIN CONTROL MODULE (PCM) 26-1
PCMRC
C1232B
33
SBB39
WH-RD
SBB39
WH-RD
CE237
BN-WH
SBB39
WH-RD
CE607
BN-YE
CBB72
GN-VT
SBB37
GY-RD
S117
15
11
C1010
S192
CBB72
GN-VT
CBB72
GN-VT
SBB37
GY-RD
1
31
60
C1750
TRANSMISSION CONTROL MODULE (TCM) 151-12
C1750
HS CAN -
HS CAN +
TRO N
TRO P
RLC
GND
GND
GND
VDB05 WH
VDB04 WH-BU
CET21 GN-WH
CLS05 BU-GY
CLS28 BU-WH
GD120 BK-GN
GD120 BK-GN
GD120 BK-GN
48
47
30
27
23
33
9
41
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CUSTOMER ACCESS 140-2
REVERSING LAMPS 93-1
S191
S190
G107 151-12
G116 151-12

DIESEL

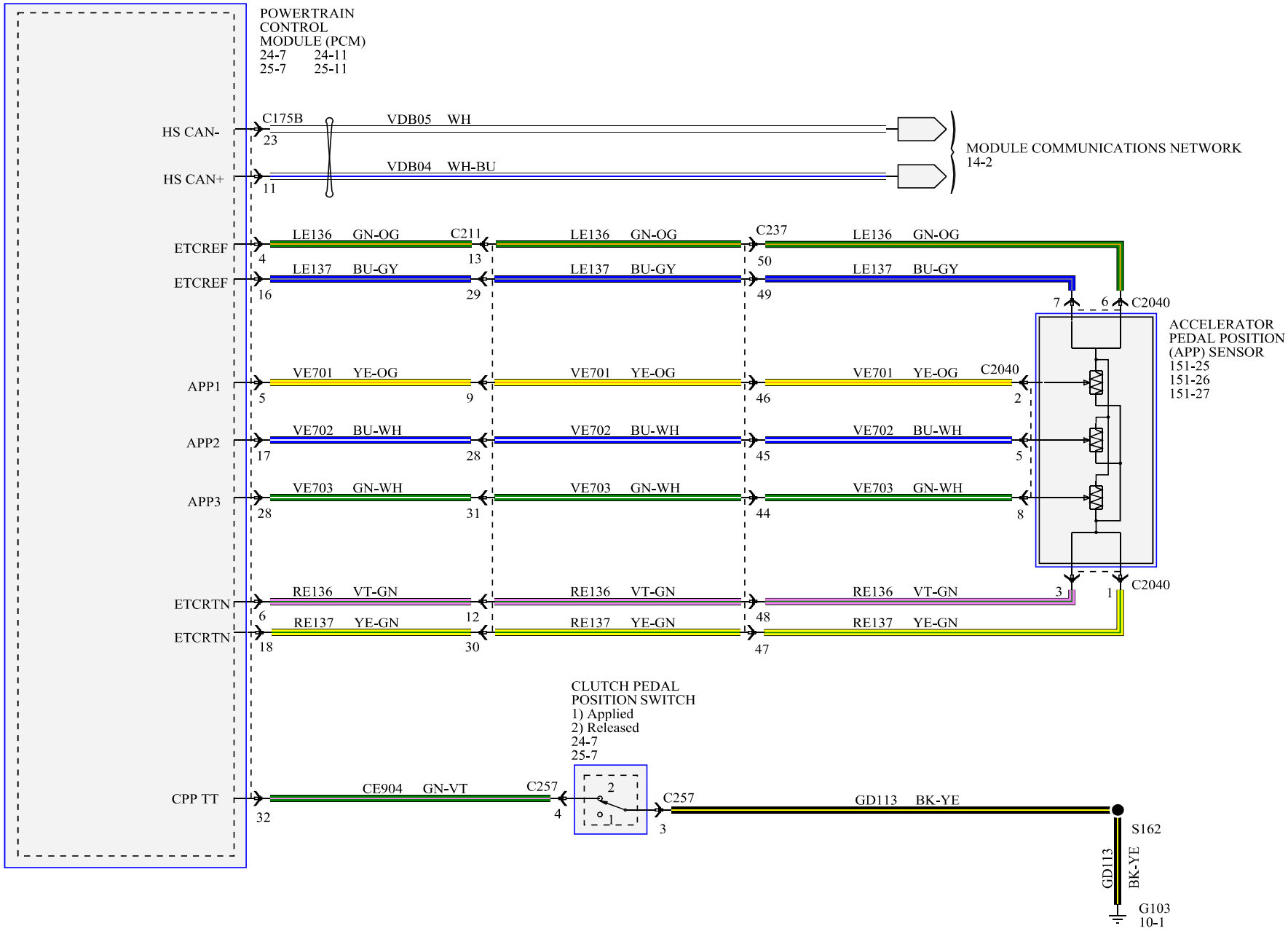

TORQSHIFT
TRANSMISSION
151-11
TRANSMISSION
CONTROL
MODULE (TCM)
151-12
29-3
TRANSMISSION
CONTROLS
C
LE111
VT-GN
C1385
21
TR-P
TFT
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
TCC
PC-A
C1385
17
15
22
18
12
3
5
4
1
8
10
RET24 BN-BU
CET22 GY-BN
RE406 GY-VT
VET27 BN-YE
CET05 BU-GN
CET06 GN-BN
CET07 GY-OG
CET08 BN-WH
CET09 YE-VT
CET49 BN
CET50 WH-OG
D
TRANSMISSION
CONTROLS
29-3
C1750
45
46
54
8
7
6
5
4
3
22
2
TR-P
SIG RTN
TFT
SSPC-A
SSPC-B
SSPC-C
SSPC-D
SSPC-E
TCC
PC-A
VPWR
CET25 BU-GN
20
24
7
S194
CET25 BU-GN


CLUSTER AND PANEL ILLUMINATION
71-3
CLN04 VT-GY
STEERING WHEEL/
SPEED CONTROL
SWITCH
151-15
C203
YE-GN
DB-BK
WH-VT
BU-BK
RD-BK
WH-VT
YE-GN
GN-OG
AUTOMATIC
CLIMATE
CONTROL
SYSTEM
55-7
430
169
93.1
56.2
51.1
FAN UP
FAN DOWN
1.0k
1.1k
2.21k
1.00K
510
300
300
ON
RESUME
SET+
SET-
OFF
C218B
C218A
C211
CLOCKSPRING
44-1
C2208
GN-OG
AUDIO/CLIMATE
CONTROL
SWITCH
130-8
S239
GD116
BK-VT
G202
10-4
Diesel
POWERTRAIN
CONTROL
MODULE (PCM)
26-10
VES10 WH
C1232B
RES08 GN-BN
SCCS
SCCS RTN
POWERTRAIN
CONTROL
MODULE (PCM)
24-11 25-11
VES10 WH
C175B
RES08 GN-BN
SCCS
SCCS RTN
Gasoline

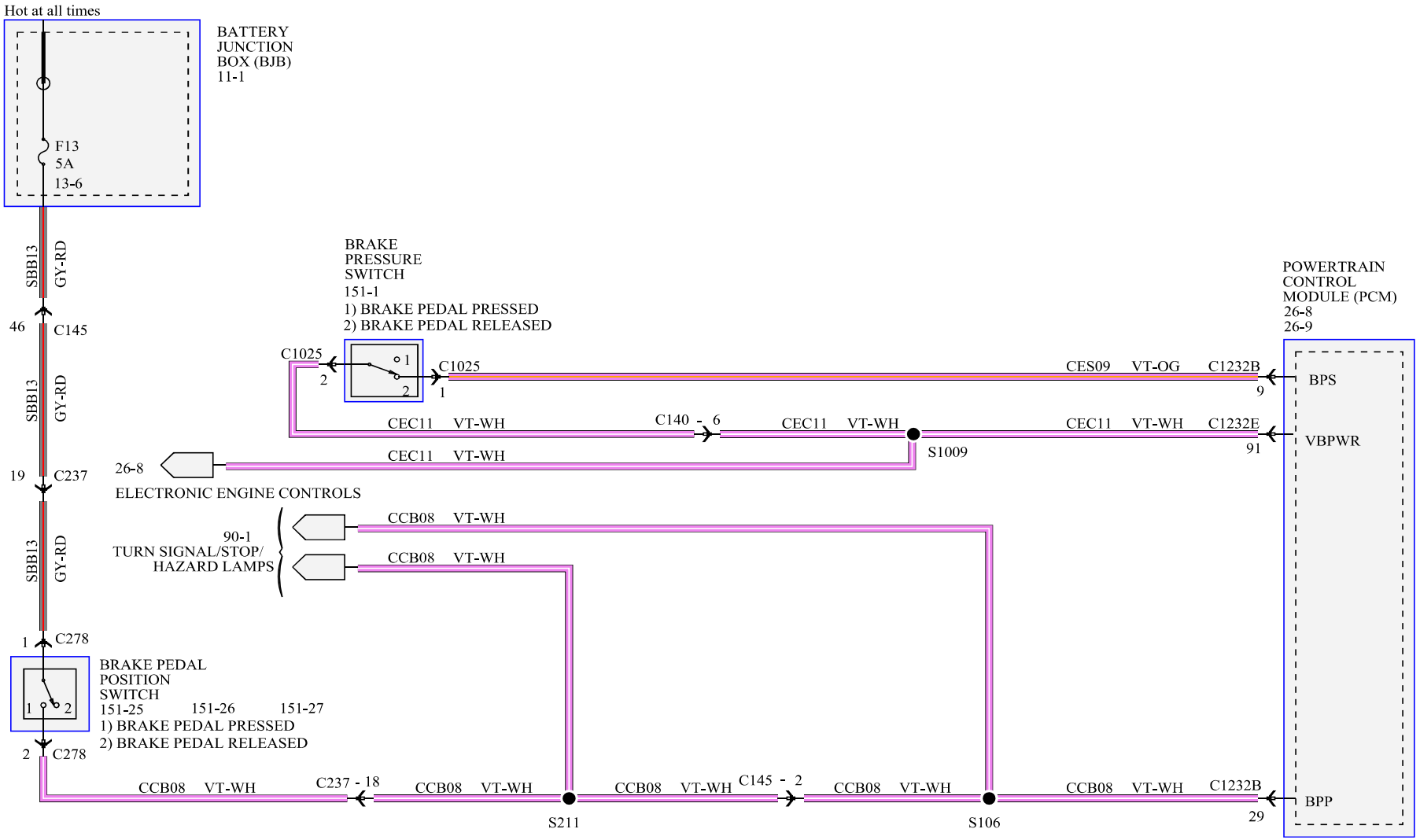
Gasoline


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F13
5A
13-6
SBB13
GY-RD
46
C145
19
C237
1
C278
BRAKE PEDAL POSITION SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-25 151-26 151-27
2
C278
BRAKE PRESSURE SWITCH
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
151-1
C1025
2
1
C1025 CES09 VT-OG
C140 - 7
CES09 VT-OG C175E
65
LE111 VT-GN
C146 - 5
LE111 VT-GN LE111 VT-GN C175T
39
90-1
TURN SIGNAL/STOP/
HAZARD LAMPS
CCB08 VT-WH
CCB08 VT-WH
S196
CCB08 VT-WH
C237 - 18
CCB08 VT-WH
CCB08 VT-WH
C145 - 2
CCB08 VT-WH C175B
8
S211
S106
POWERTRAIN CONTROL MODULE (PCM)
24-4 25-4
24-6 25-6
24-11 25-11
BPS
VBPWR
BPP
CE426 BU-GN C175E
51
TACM N
ELECTRONIC THROTTLE CONTROL (ETC) MOTOR
151-4 151-6
C1368
2
M
1
C1368 CE412 YE-VT
34
TACM P
THROTTLE POSITION SENSOR (TPS)
151-5
151-7
SOLID STATE
C1189
1
2
4
3
VE819 GN-VT
60
TP2 PS
LE428 BU-WH
66
ETCREF1
VE818 BN
61
TP1 NS
RE427 YE-VT
59
ETCRTN1

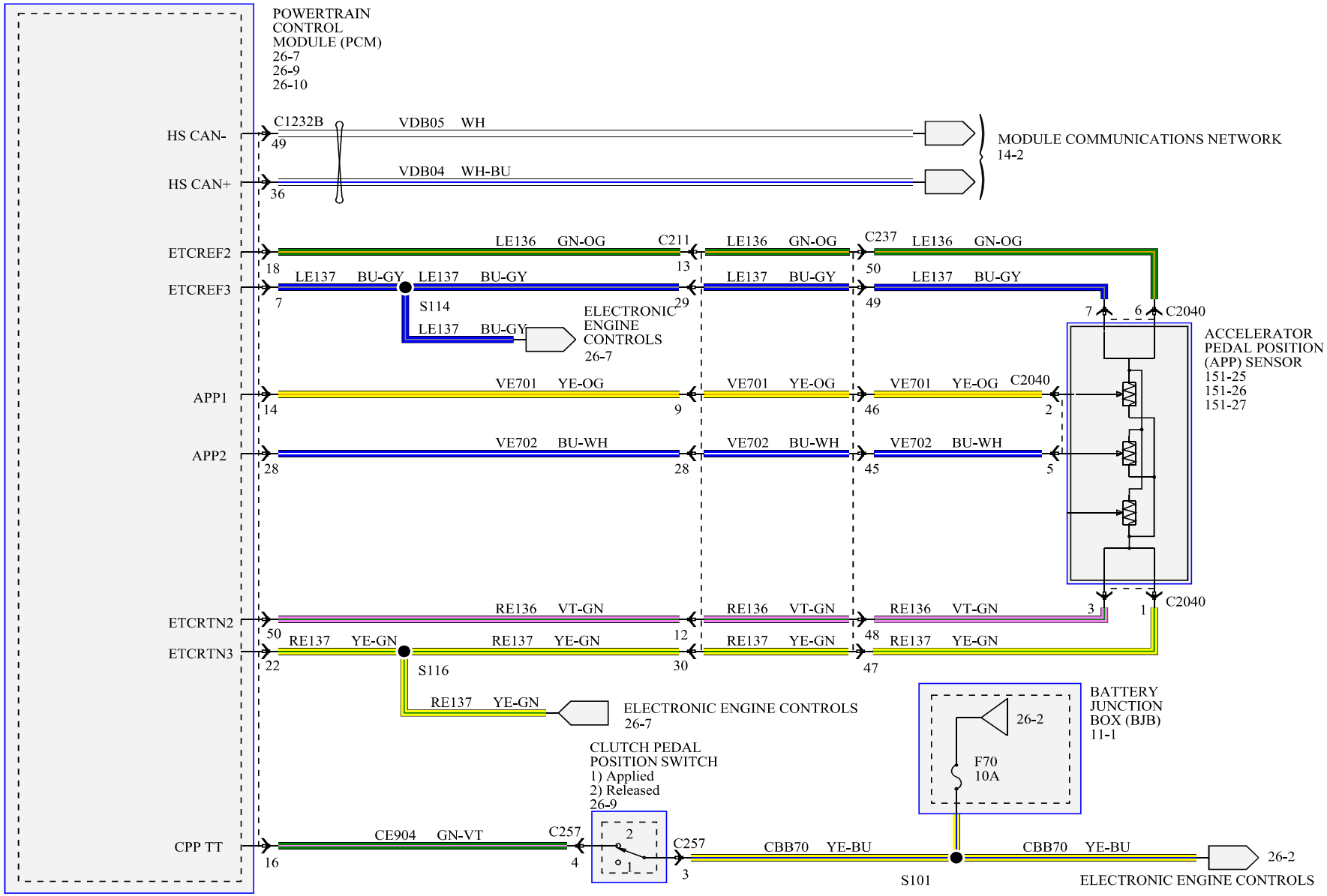
Gasoline

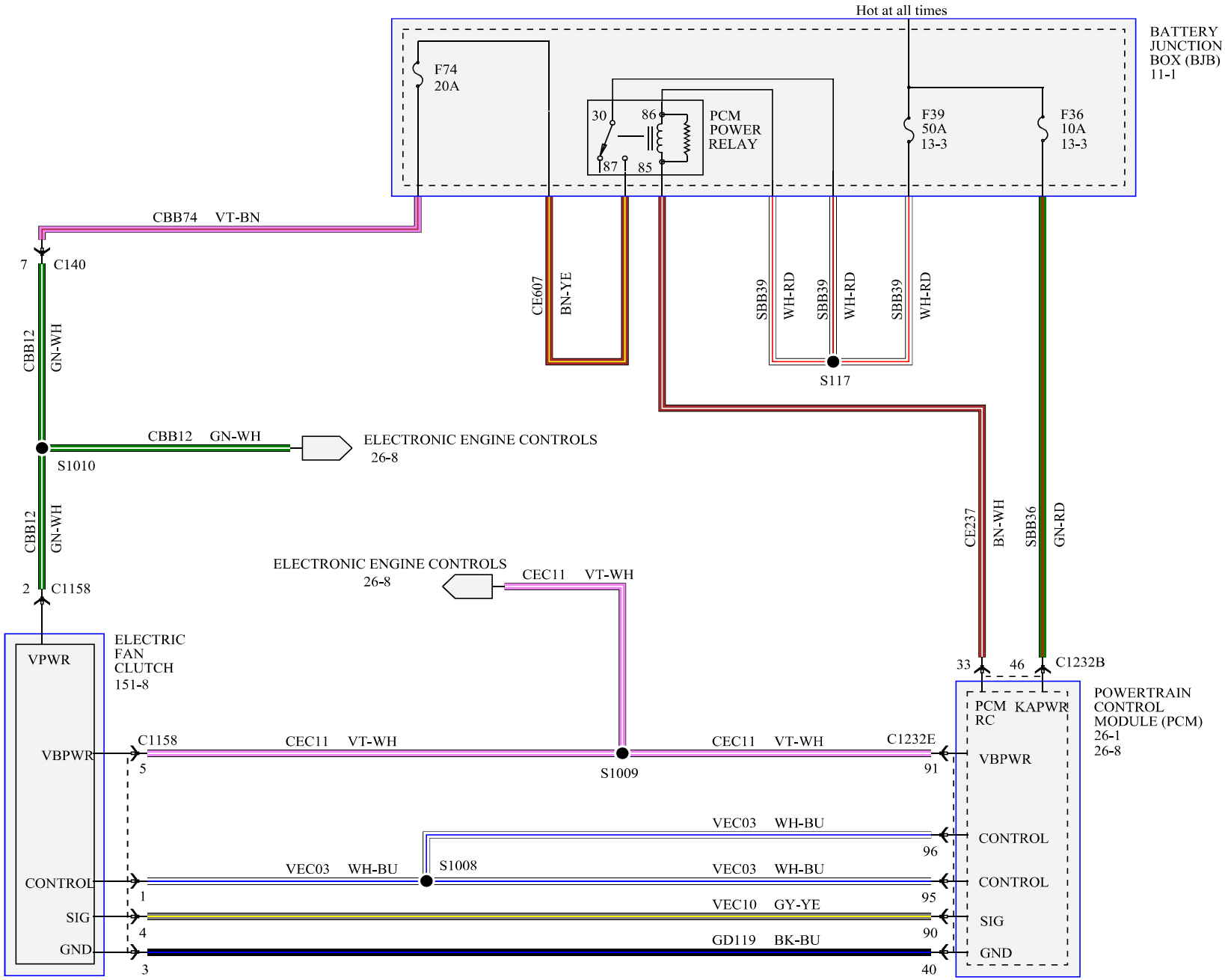

POWERTRAIN CONTROL MODULE (PCM)
24-7 24-11
25-7 25-11
HS CAN-
HS CAN+
C175B
23
11
VDB05 WH
VDB04 WH-BU
MODULE COMMUNICATIONS NETWORK
14-2
ETCREF
ETCREF
LE136 GN-OG
LE137 BU-GY
C211
C237
4
16
13
29
50
49
7
6
C2040
ACCELERATOR PEDAL POSITION (APP) SENSOR
151-25
151-26
151-27
APP1
APP2
APP3
VE701 YE-OG
VE702 BU-WH
VE703 GN-WH
5
17
28
9
28
31
46
45
44
2
5
8
ETCRTN
ETCRTN
RE136 VT-GN
RE137 YE-GN
6
18
12
30
48
47
3
1
CLUTCH PEDAL POSITION SWITCH
1) Applied
2) Released
24-7
25-7
CPP TT
CE904 GN-VT
C257
32
4
2
1
3
GD113 BK-YE
S162
GD113
BK-YE
G103
10-1

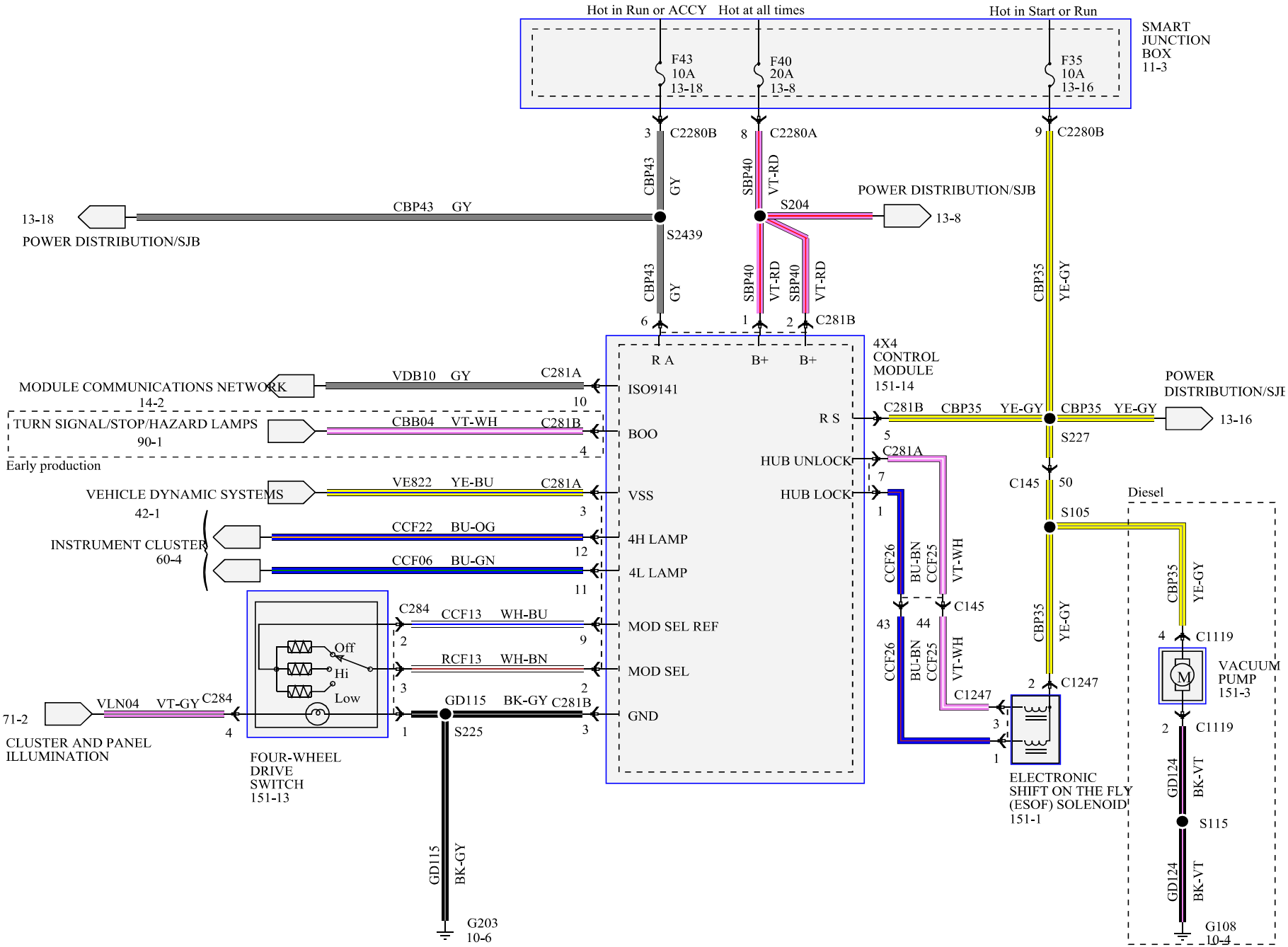
Diesel


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F13
5A
13-6
SBB13 GY-RD
46 C145
SBB13 GY-RD
19 C237
SBB13 GY-RD
1 C278
2 C278
BRAKE PEDAL POSITION SWITCH
151-25 151-26 151-27
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
BRAKE PRESSURE SWITCH
151-1
1) BRAKE PEDAL PRESSED
2) BRAKE PEDAL RELEASED
C1025
C1025
CES09 VT-OG C1232B
9
BPS
CEC11 VT-WH
C140 - 6
CEC11 VT-WH
CEC11 VT-WH C1232E
91
VBPWR
S1009
CEC11 VT-WH
26-8
ELECTRONIC ENGINE CONTROLS
90-1
TURN SIGNAL/STOP/ HAZARD LAMPS
CCB08 VT-WH
CCB08 VT-WH
CCB08 VT-WH
C237 - 18
CCB08 VT-WH
CCB08 VT-WH
C145 - 2
CCB08 VT-WH
CCB08 VT-WH C1232B
29
BPP
S211
S106
POWERTRAIN CONTROL MODULE (PCM) 26-8 26-9

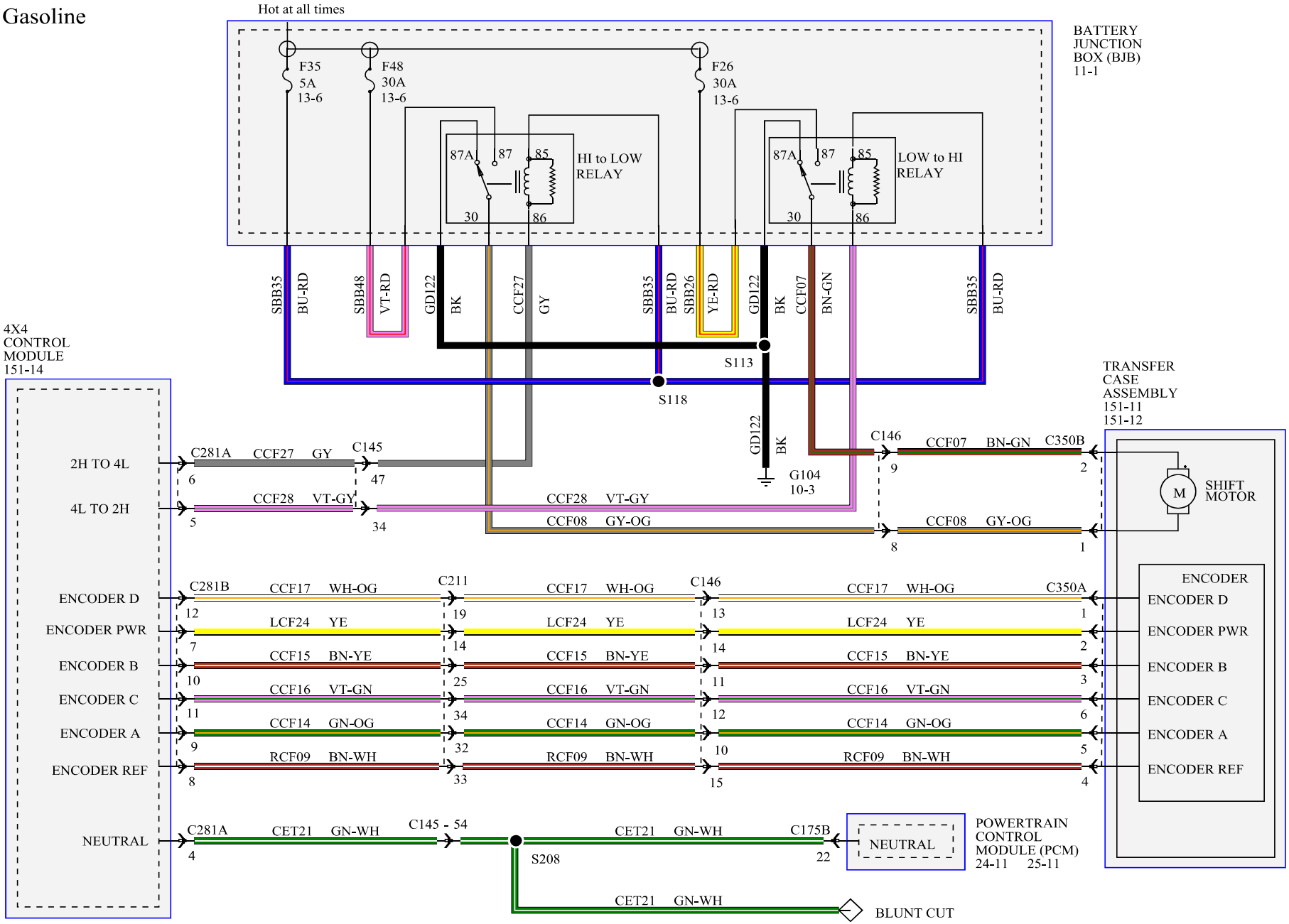
Diesel


POWERTRAIN CONTROL MODULE (PCM)
26-7
26-9
26-10
HS CAN-
HS CAN+
C1232B
49
36
VDB05 WH
VDB04 WH-BU
MODULE COMMUNICATIONS NETWORK
14-2
ETCREF2
ETCREF3
18
7
LE136 GN-OG
LE137 BU-GY
C211
13
29
C237
50
49
S114
ELECTRONIC ENGINE CONTROLS
26-7
C2040
7
6
ACCELERATOR PEDAL POSITION (APP) SENSOR
151-25
151-26
151-27
APP1
APP2
14
28
VE701 YE-OG
VE702 BU-WH
9
28
46
45
2
5
ETCRTN2
ETCRTN3
50
22
RE136 VT-GN
RE137 YE-GN
12
30
48
47
3
1
S116
ELECTRONIC ENGINE CONTROLS
26-7
BATTERY JUNCTION BOX (BJB)
11-1
26-2
F70
10A
CLUTCH PEDAL POSITION SWITCH
1) Applied
2) Released
26-9
CPP TT
16
CE904 GN-VT
C257
4
2
1
3
CBB70 YE-BU
S101
26-2
ELECTRONIC ENGINE CONTROLS

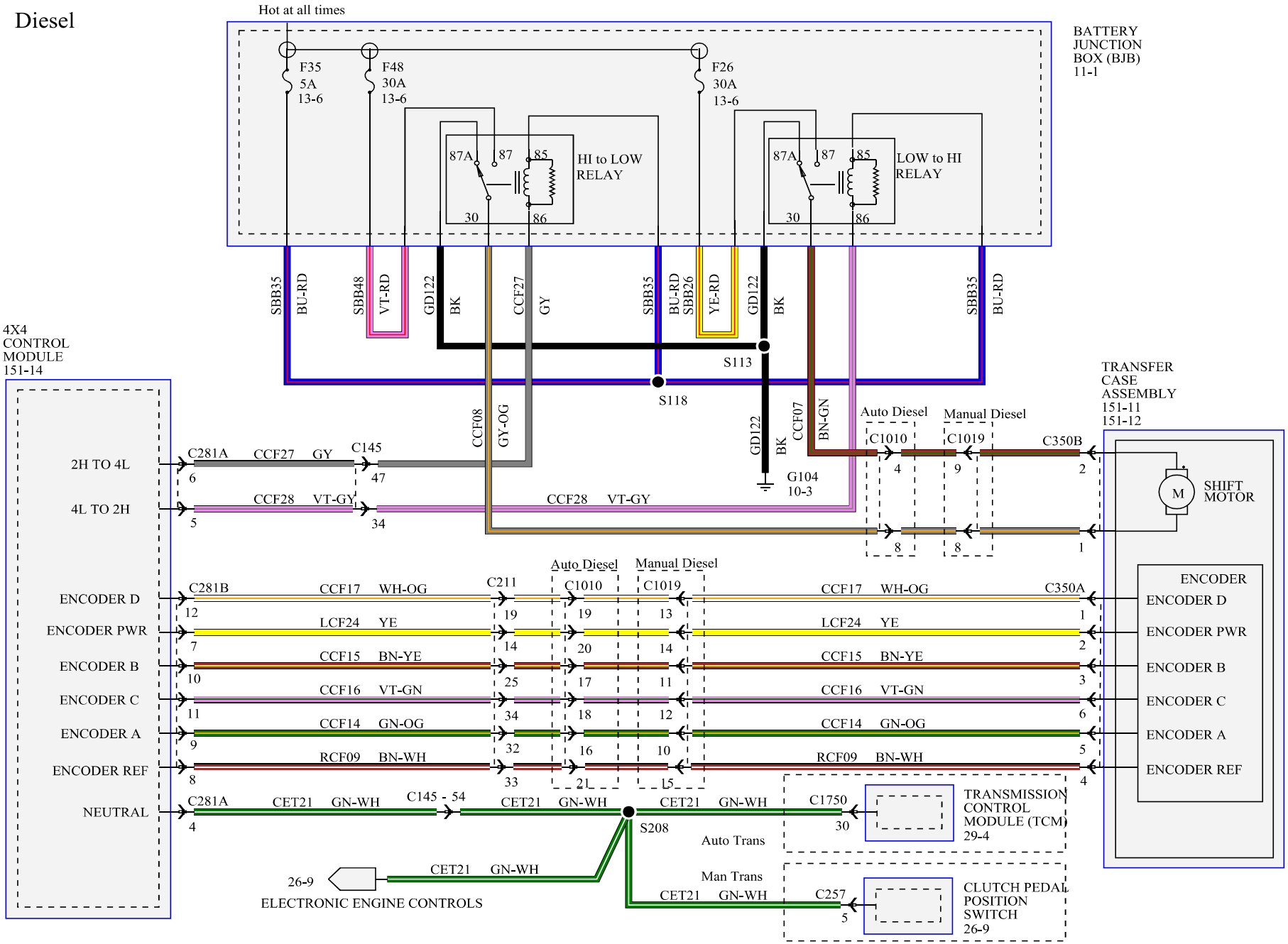

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F74 20A
30
86
87
85
PCM POWER RELAY
F39 50A 13-3
F36 10A 13-3
CBB74 VT-BN
7
C140
CBB12 GN-WH
CE607 BN-YE
SBB39 WH-RD
SBB39 WH-RD
SBB39 WH-RD
S117
CBB12 GN-WH
ELECTRONIC ENGINE CONTROLS 26-8
S1010
CBB12 GN-WH
2
C1158
CE237 BN-WH
SBB36 GN-RD
ELECTRONIC ENGINE CONTROLS 26-8
CEC11 VT-WH
ELECTRIC FAN CLUTCH 151-8
VPWR
33
46
C1232B
POWERTRAIN CONTROL MODULE (PCM) 26-1 26-8
PCM RC
KAPWR
VBPWR
C1158
CEC11 VT-WH
CEC11 VT-WH
C1232E
5
S1009
91
VBPWR
VEC03 WH-BU
96
CONTROL
CONTROL
VEC03 WH-BU
S1008
VEC03 WH-BU
1
95
CONTROL
SIG
VEC10 GY-YE
4
90
SIG
GND
GD119 BK-BU
3
40
GND

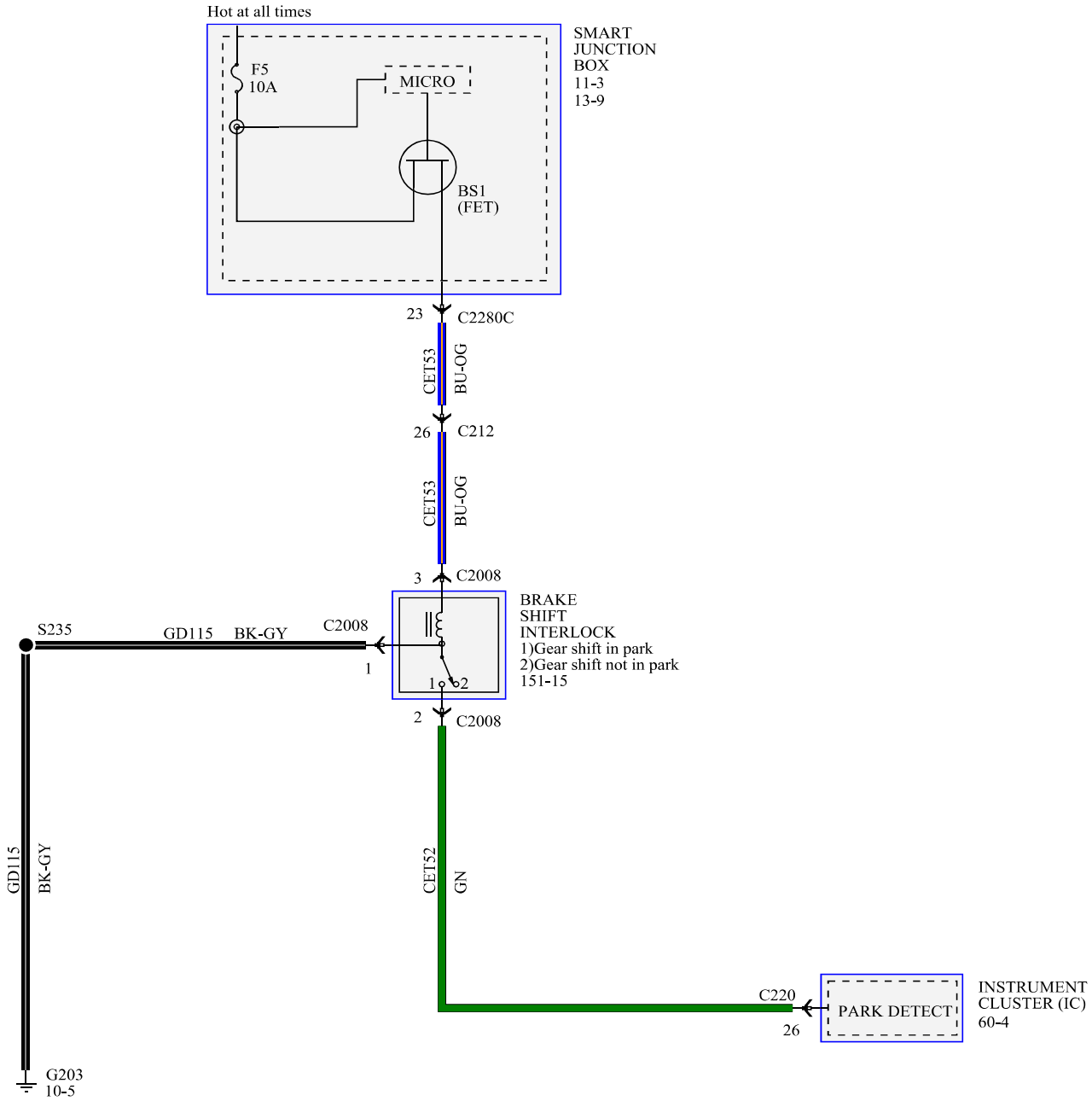

Hot in Run or ACCY
Hot at all times
Hot in Start or Run
SMART JUNCTION BOX 11-3
F43 10A 13-18
F40 20A 13-8
F35 10A 13-16
3 C2280B
8 C2280A
9 C2280B
CBP43 GY
SBP40 VT-RD
CBP35 YE-GY
13-18
POWER DISTRIBUTION/SJB
S2439
S204
POWER DISTRIBUTION/SJB 13-8
6
1
2 C281B
4X4 CONTROL MODULE 151-14
R A
B+
B+
MODULE COMMUNICATIONS NETWORK 14-2
VDB10 GY C281A 10
ISO9141
TURN SIGNAL/STOP/HAZARD LAMPS 90-1
CBB04 VT-WH C281B 4
BOO
Early production
VEHICLE DYNAMIC SYSTEMS 42-1
VE822 YE-BU C281A 3
VSS
INSTRUMENT CLUSTER 60-4
CCF22 BU-OG 12
4H LAMP
CCF06 BU-GN 11
4L LAMP
C284
CCF13 WH-BU 9
MOD SEL REF
RCF13 WH-BN 2
MOD SEL
Off
Hi
Low
VLN04 VT-GY C284 4
71-2
CLUSTER AND PANEL ILLUMINATION
GD115 BK-GY C281B 3
1 S225
GND
FOUR-WHEEL DRIVE SWITCH 151-13
GD115 BK-GY
G203 10-6
R S
C281B CBP35 YE-GY CBP35 YE-GY 13-16
5 S227
HUB UNLOCK
HUB LOCK
C281A
7
1
CCF26 BU-BN CCF25 VT-WH
C145
43 44
C1247
3
1
ELECTRONIC SHIFT ON THE FLY (ESOF) SOLENOID 151-1
C145 50
S105
2 C1247
Diesel
4 C1119
VACUUM PUMP 151-3
2 C1119
GD124 BK-VT
S115
G108 10-4

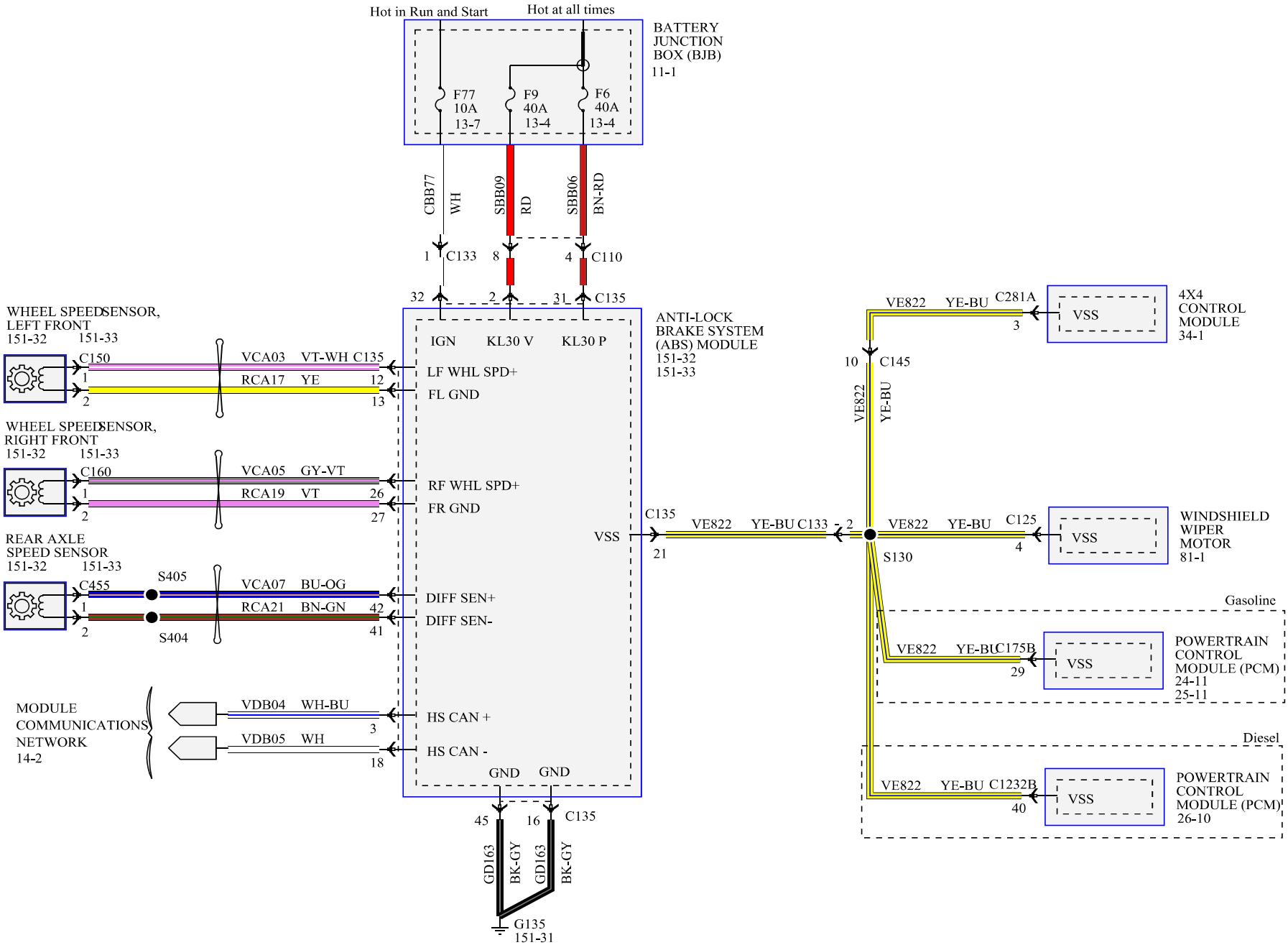
Gasoline


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F35 5A 13-6
F48 30A 13-6
F26 30A 13-6
87A 87 85 30 86
HI to LOW RELAY
LOW to HI RELAY
SBB35 BU-RD
SBB48 VT-RD
GD122 BK
CCF27 GY
SBB35 BU-RD
SBB26 YE-RD
GD122 BK
CCF07 BN-GN
SBB35 BU-RD
S113
S118
G104 10-3
4X4 CONTROL MODULE 151-14
TRANSFER CASE ASSEMBLY 151-11 151-12
2H TO 4L
4L TO 2H
C281A CCF27 GY C145
6 47
C281A CCF28 VT-GY
5 34
CCF28 VT-GY
CCF08 GY-OG
C146 CCF07 BN-GN C350B
9 2
CCF08 GY-OG
8 1
M SHIFT MOTOR
ENCODER D
ENCODER PWR
ENCODER B
ENCODER C
ENCODER A
ENCODER REF
C281B CCF17 WH-OG C211 CCF17 WH-OG C146 CCF17 WH-OG C350A
12 19 13 1
LCF24 YE LCF24 YE LCF24 YE
7 14 14 2
CCF15 BN-YE CCF15 BN-YE CCF15 BN-YE
10 25 11 3
CCF16 VT-GN CCF16 VT-GN CCF16 VT-GN
11 34 12 6
CCF14 GN-OG CCF14 GN-OG CCF14 GN-OG
9 32 10 5
RCF09 BN-WH RCF09 BN-WH RCF09 BN-WH
8 33 15 4
ENCODER
ENCODER D
ENCODER PWR
ENCODER B
ENCODER C
ENCODER A
ENCODER REF
NEUTRAL
C281A CET21 GN-WH C145 - 54 CET21 GN-WH C175B
4 S208 22
NEUTRAL
POWERTRAIN CONTROL MODULE (PCM) 24-11 25-11
CET21 GN-WH
BLUNT CUT

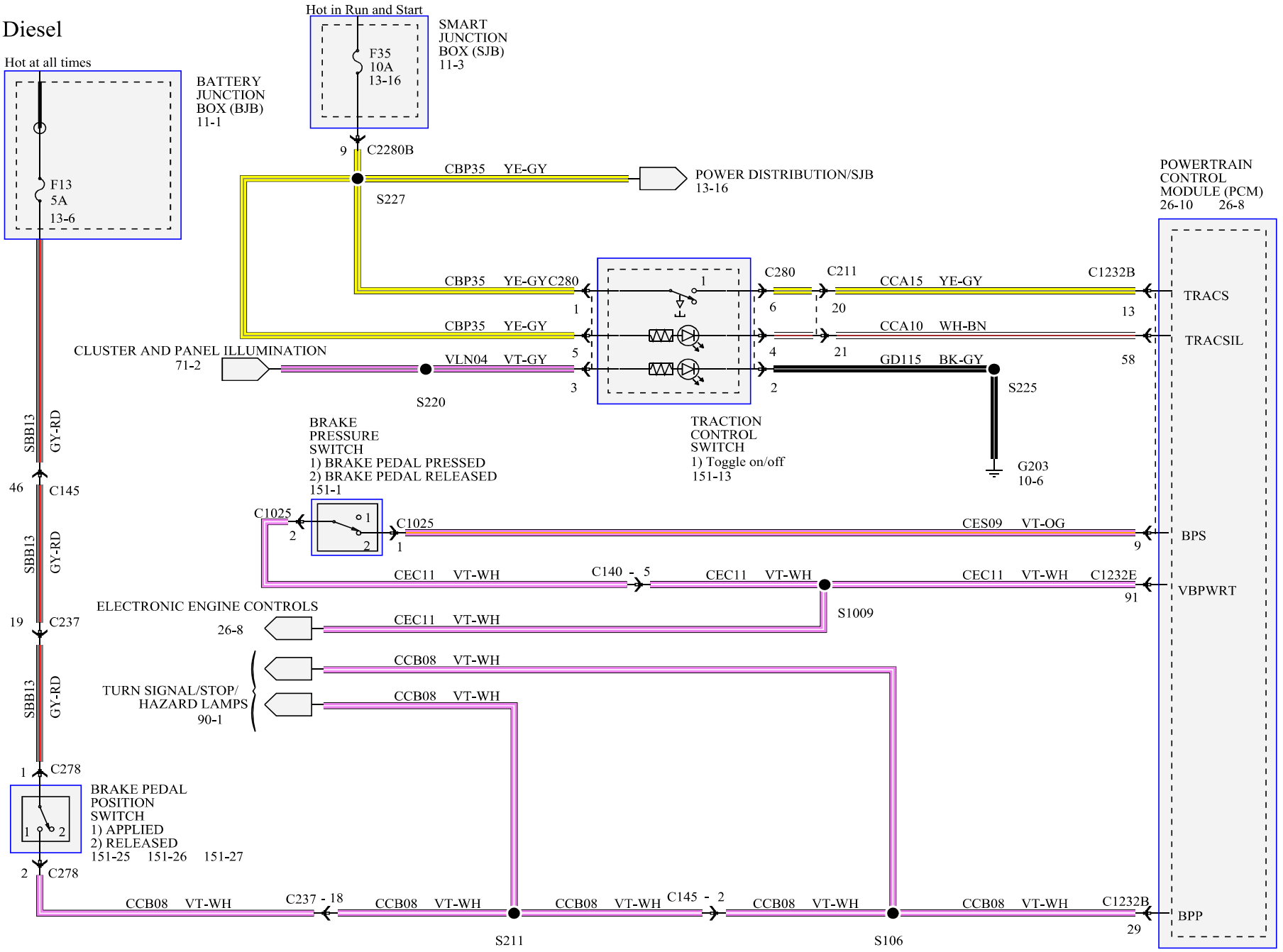
Diesel


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F35 5A 13-6
F48 30A 13-6
F26 30A 13-6
87A 87 85 30 86
HI to LOW RELAY
LOW to HI RELAY
SBB35 BU-RD
SBB48 VT-RD
GD122 BK
CCF27 GY
SBB35 BU-RD
SBB26 YE-RD
GD122 BK
SBB35 BU-RD
S113
S118
4X4 CONTROL MODULE 151-14
2H TO 4L
4L TO 2H
C281A CCF27 GY C145
6 47
CCF28 VT-GY
5 34
CCF08 GY-OG
GD122 BK
CCF07 BN-GN
G104 10-3
Auto Diesel
Manual Diesel
C1010 4
C1019 9
C350B 2
8 8 1
TRANSFER CASE ASSEMBLY 151-11 151-12
M SHIFT MOTOR
ENCODER
ENCODER D
ENCODER PWR
ENCODER B
ENCODER C
ENCODER A
ENCODER REF
NEUTRAL
C281B CCF17 WH-OG C211 C1010 C1019 CCF17 WH-OG C350A
12 19 19 13 1
LCF24 YE
7 14 20 14 2
CCF15 BN-YE
10 25 17 11 3
CCF16 VT-GN
11 34 18 12 6
CCF14 GN-OG
9 32 16 10 5
RCF09 BN-WH
8 33 21 15 4
C281A CET21 GN-WH C145 - 54 CET21 GN-WH CET21 GN-WH
4
S208
C1750 30
TRANSMISSION CONTROL MODULE (TCM) 29-4
Auto Trans
Man Trans
CET21 GN-WH
26-9
ELECTRONIC ENGINE CONTROLS
CET21 GN-WH
C257 5
CLUTCH PEDAL POSITION SWITCH 26-9

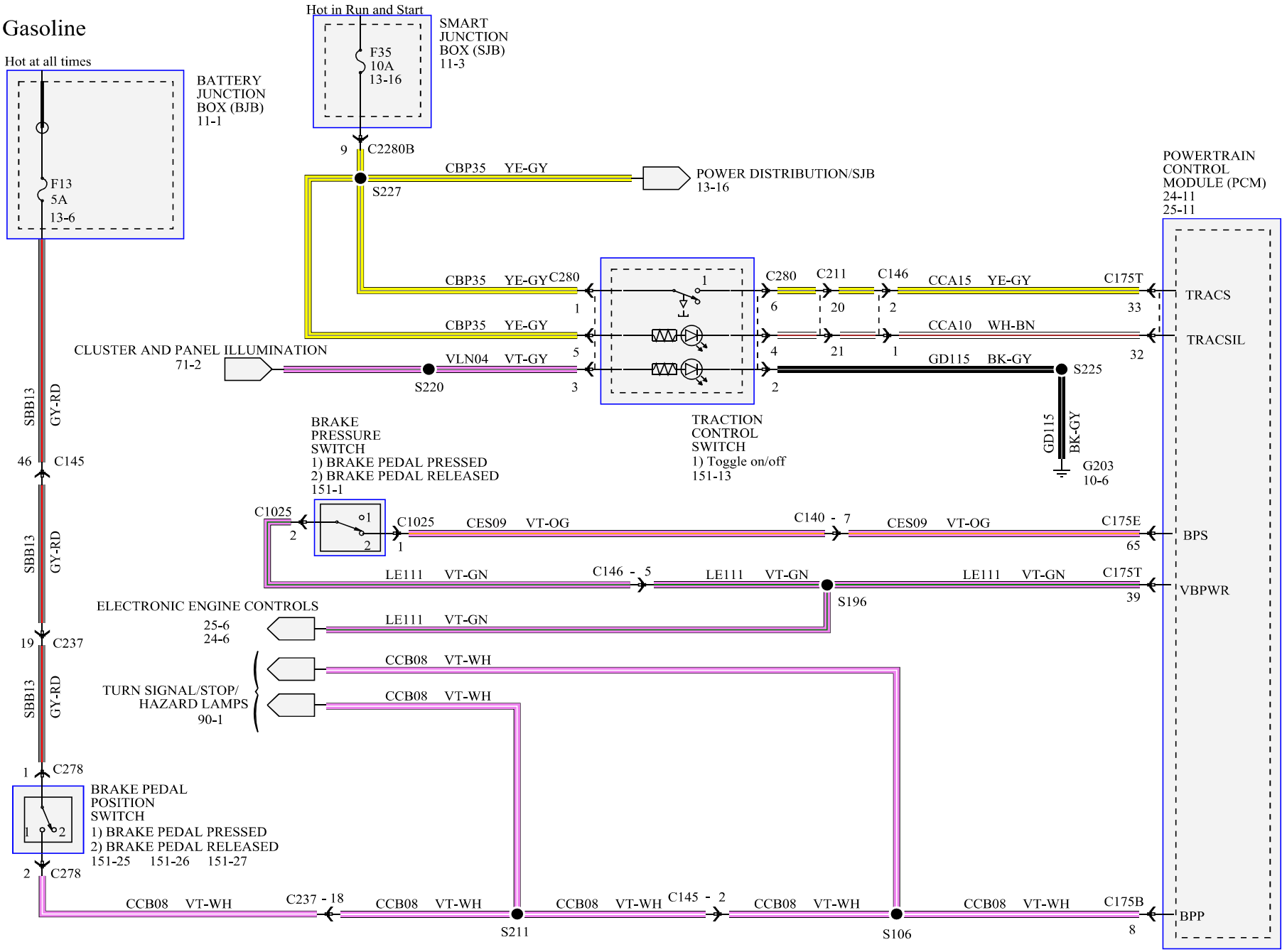

Hot at all times
SMART JUNCTION BOX
11-3
13-9
F5
10A
MICRO
BS1
(FET)
23
C2280C
CET53
BU-OG
26
C212
CET53
BU-OG
3
C2008
BRAKE SHIFT INTERLOCK
1)Gear shift in park
2)Gear shift not in park
151-15
S235
GD115
BK-GY
C2008
1
1
2
2
C2008
CET52
GN
GD115
BK-GY
G203
10-5
C220
26
PARK DETECT
INSTRUMENT CLUSTER (IC)
60-4

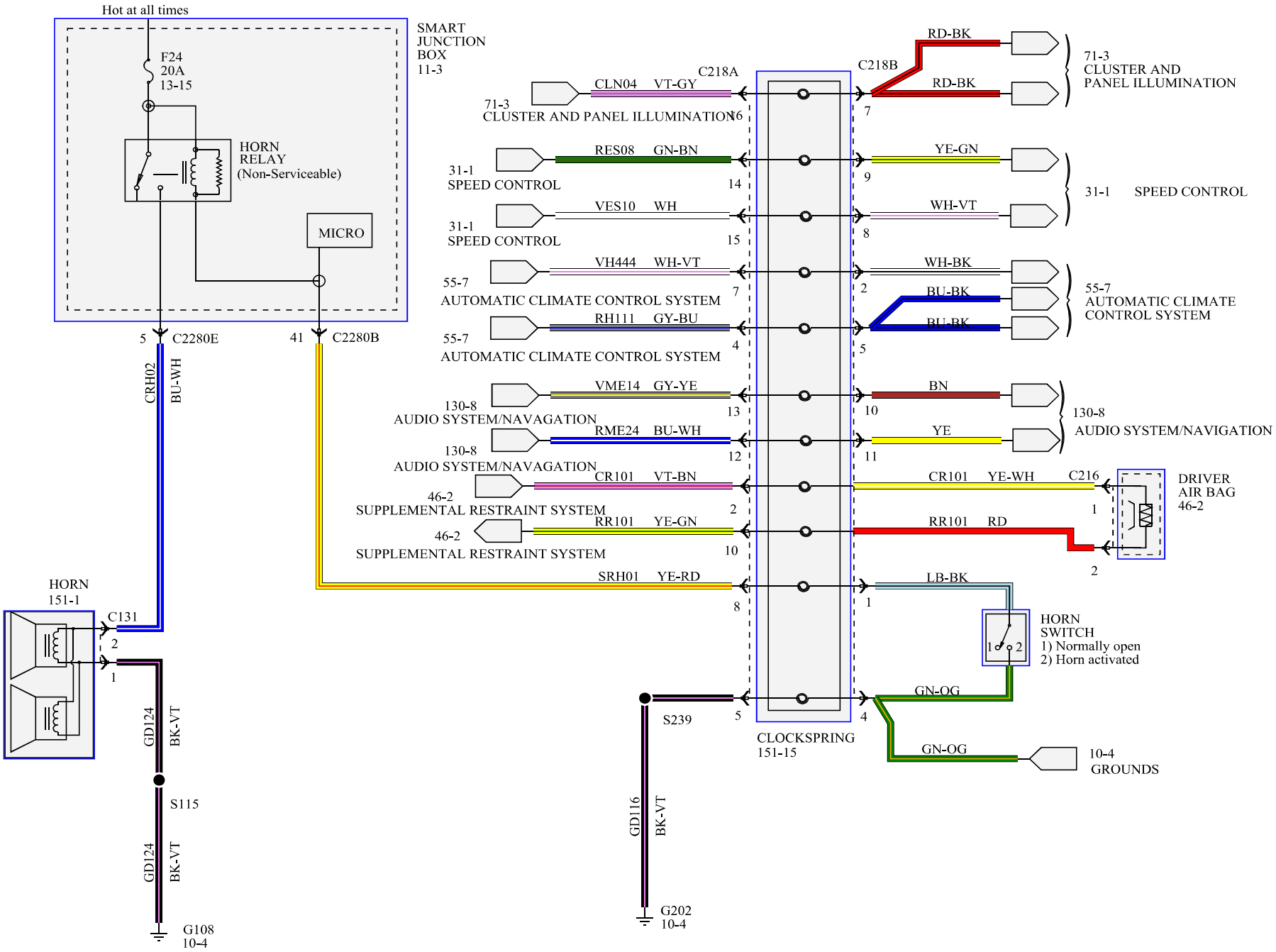

Hot in Run and Start
Hot at all times
BATTERY JUNCTION BOX (BJB)
11-1
F77 10A 13-7
F9 40A 13-4
F6 40A 13-4
CBB77 WH
SBB09 RD
SBB06 BN-RD
1 C133 8 4 C110
32 2 31 C135
ANTI-LOCK BRAKE SYSTEM (ABS) MODULE
151-32
151-33
IGN
KL30 V
KL30 P
LF WHL SPD+
FL GND
RF WHL SPD+
FR GND
DIFF SEN+
DIFF SEN-
HS CAN +
HS CAN -
GND GND
VSS
WHEEL SPEED SENSOR, LEFT FRONT
151-32 151-33
C150
VCA03 VT-WH C135
RCA17 YE
1 12
2 13
WHEEL SPEED SENSOR, RIGHT FRONT
151-32 151-33
C160
VCA05 GY-VT
RCA19 VT
1 26
2 27
REAR AXLE SPEED SENSOR
151-32 151-33
C455
S405
S404
VCA07 BU-OG
RCA21 BN-GN
1 42
2 41
MODULE COMMUNICATIONS NETWORK
14-2
VDB04 WH-BU
VDB05 WH
3
18
45 16 C135
GD163 BK-GY GD163 BK-GY
G135
151-31
C135 21
VE822 YE-BU C133 2
S130
VE822 YE-BU
10 C145
VE822 YE-BU C281A
3
VSS
4X4 CONTROL MODULE
34-1
VE822 YE-BU C125
4
WINDSHIELD WIPER MOTOR
81-1
Gasoline
VE822 YE-BU C175B
29
POWERTRAIN CONTROL MODULE (PCM)
24-11
25-11
Diesel
VE822 YE-BU C1232B
40
POWERTRAIN CONTROL MODULE (PCM)
26-10

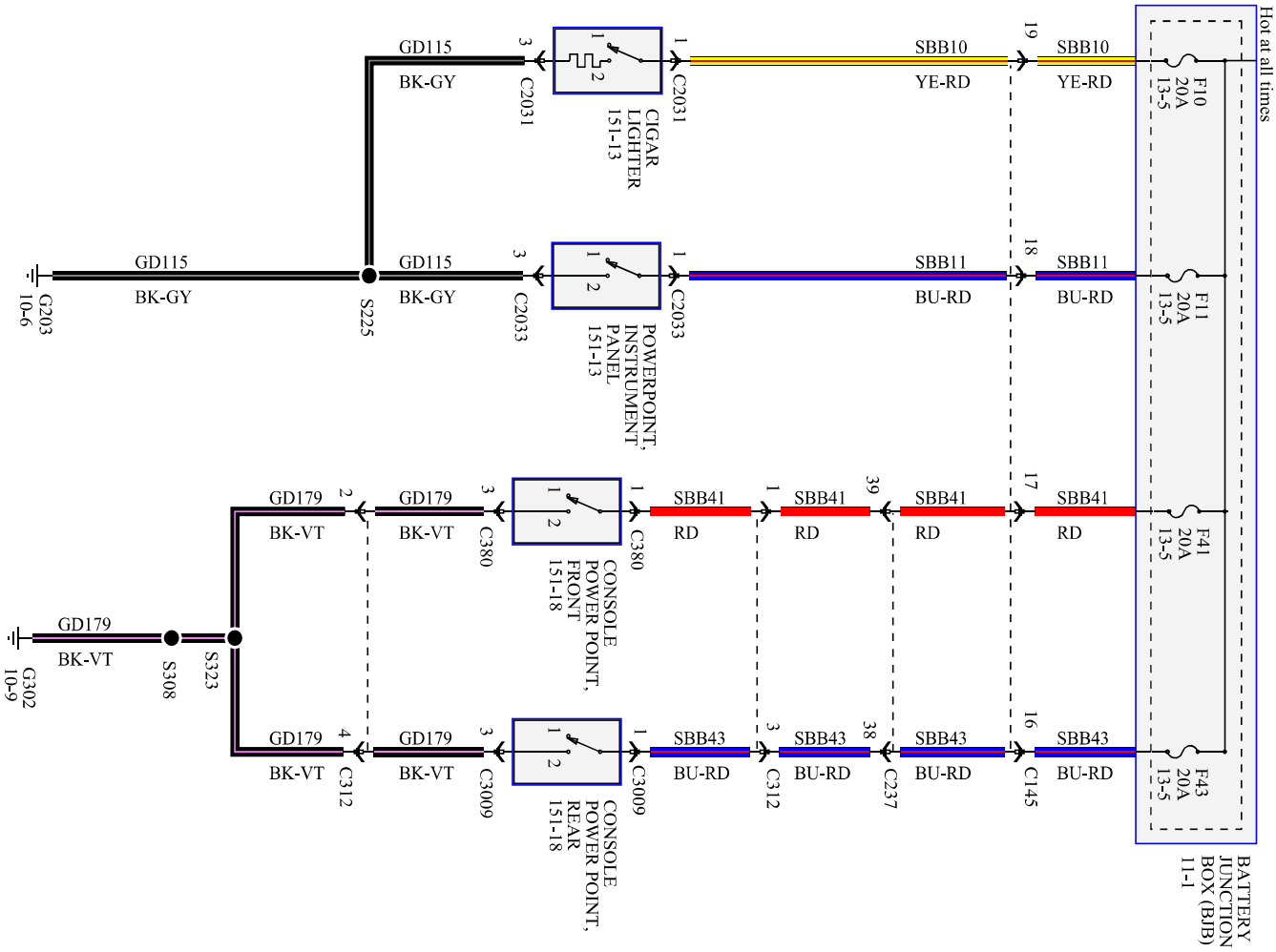
Diesel


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F13 5A 13-6
Hot in Run and Start
SMART JUNCTION BOX (SJB) 11-3
F35 10A 13-16
9 C2280B
CBP35 YE-GY
POWER DISTRIBUTION/SJB 13-16
S227
POWERTRAIN CONTROL MODULE (PCM) 26-10 26-8
CBP35 YE-GY C280
C280 C211 CCA15 YE-GY C1232B
TRACS 13
CBP35 YE-GY
CCA10 WH-BN
TRACSIL 58
CLUSTER AND PANEL ILLUMINATION 71-2
VLN04 VT-GY
GD115 BK-GY
S225
S220
G203 10-6
TRACTION CONTROL SWITCH 1) Toggle on/off 151-13
BRAKE PRESSURE SWITCH 1) BRAKE PEDAL PRESSED 2) BRAKE PEDAL RELEASED 151-1
SBB13 GY-RD
46 C145
C1025
C1025 CES09 VT-OG
BPS 9
CEC11 VT-WH
C140 - 5
CEC11 VT-WH
CEC11 VT-WH C1232E
VBPWRT 91
S1009
ELECTRONIC ENGINE CONTROLS 26-8
CEC11 VT-WH
19 C237
CCB08 VT-WH
TURN SIGNAL/STOP/ HAZARD LAMPS 90-1
CCB08 VT-WH
1 C278
BRAKE PEDAL POSITION SWITCH 1) APPLIED 2) RELEASED 151-25 151-26 151-27
2 C278
CCB08 VT-WH
C237 - 18
CCB08 VT-WH
CCB08 VT-WH
C145 - 2
CCB08 VT-WH
CCB08 VT-WH C1232B
BPP 29
S211
S106

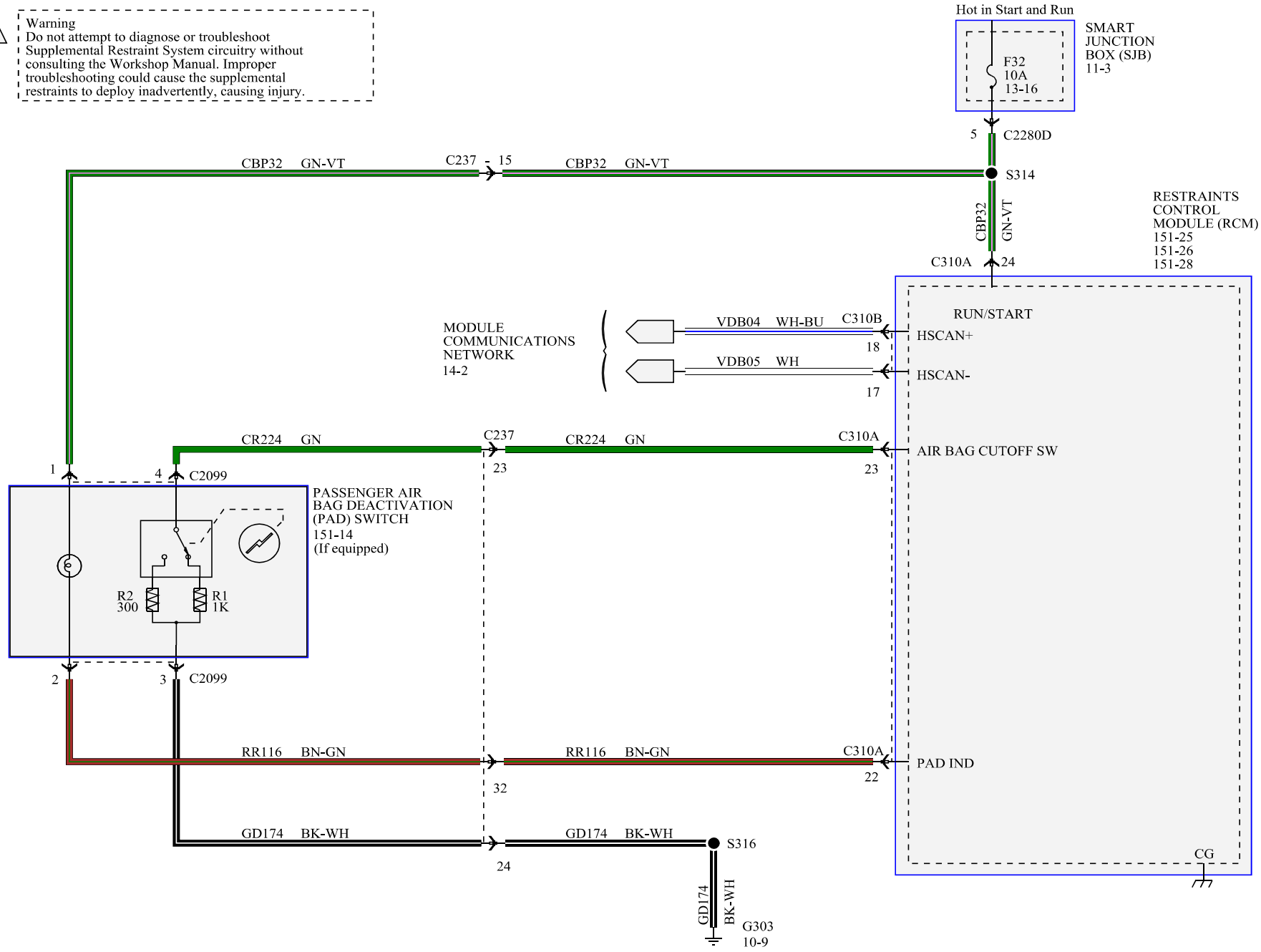
Gasoline

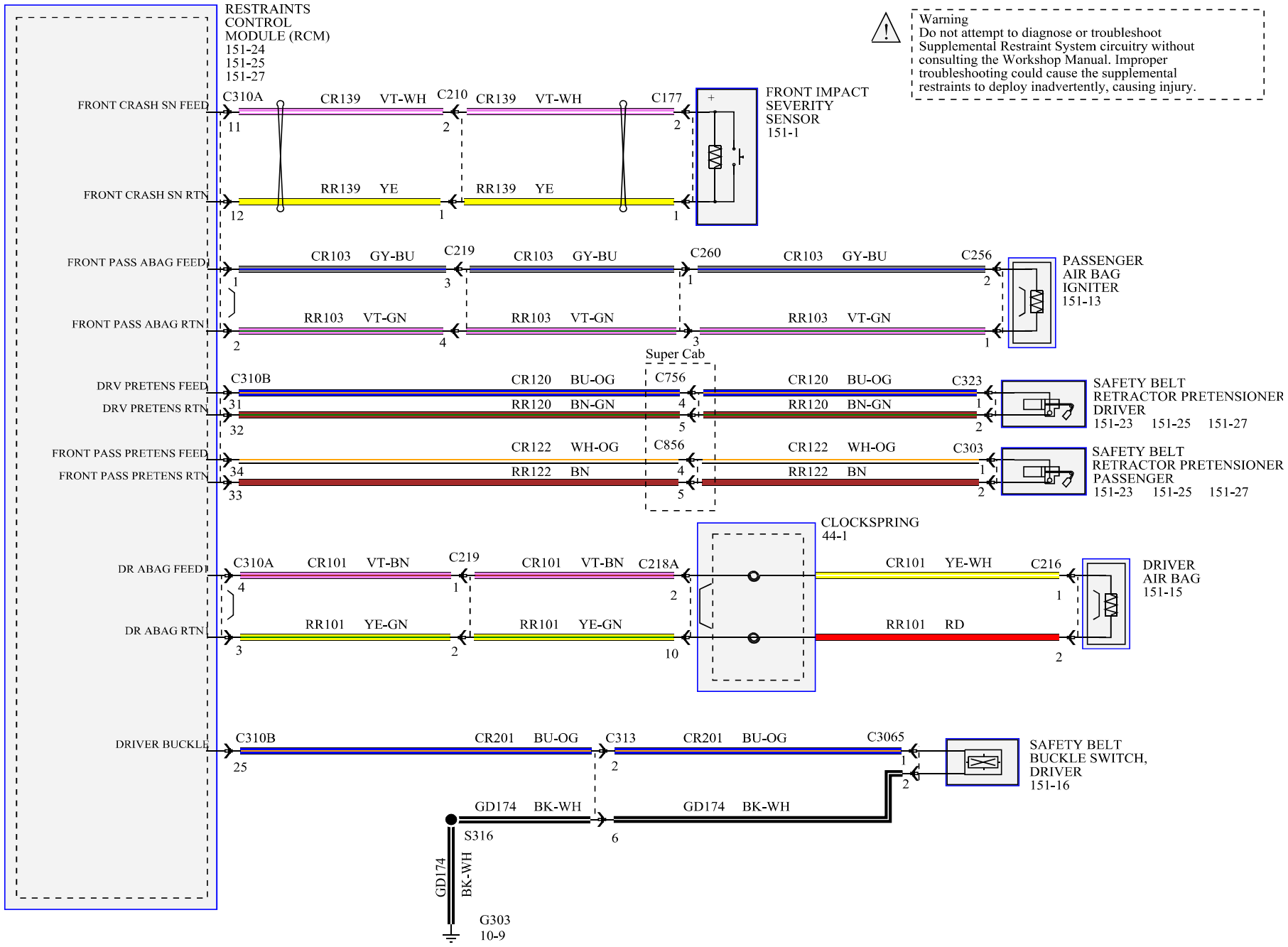

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F13 5A 13-6
Hot in Run and Start
SMART JUNCTION BOX (SJB) 11-3
F35 10A 13-16
9 C2280B
S227
CBP35 YE-GY
POWER DISTRIBUTION/SJB 13-16
POWERTRAIN CONTROL MODULE (PCM) 24-11 25-11
CBP35 YE-GY C280
C280 C211 C146 CCA15 YE-GY C175T
TRACS
CBP35 YE-GY
CCA10 WH-BN
TRACSIL
CLUSTER AND PANEL ILLUMINATION 71-2
VLN04 VT-GY
S220
GD115 BK-GY
S225
TRACTION CONTROL SWITCH 1) Toggle on/off 151-13
GD115 BK-GY
G203 10-6
SBB13 GY-RD
46 C145
BRAKE PRESSURE SWITCH 1) BRAKE PEDAL PRESSED 2) BRAKE PEDAL RELEASED 151-1
C1025
C1025 CES09 VT-OG
C140 - 7 CES09 VT-OG C175E
BPS
LE111 VT-GN
C146 - 5 LE111 VT-GN
LE111 VT-GN C175T
VBPWR
S196
ELECTRONIC ENGINE CONTROLS 25-6 24-6
LE111 VT-GN
19 C237
CCB08 VT-WH
TURN SIGNAL/STOP/ HAZARD LAMPS 90-1
CCB08 VT-WH
1 C278
BRAKE PEDAL POSITION SWITCH 1) BRAKE PEDAL PRESSED 2) BRAKE PEDAL RELEASED 151-25 151-26 151-27
2 C278
CCB08 VT-WH
C237 - 18 CCB08 VT-WH
CCB08 VT-WH
C145 - 2 CCB08 VT-WH
CCB08 VT-WH C175B
BPP
S211
S106
8

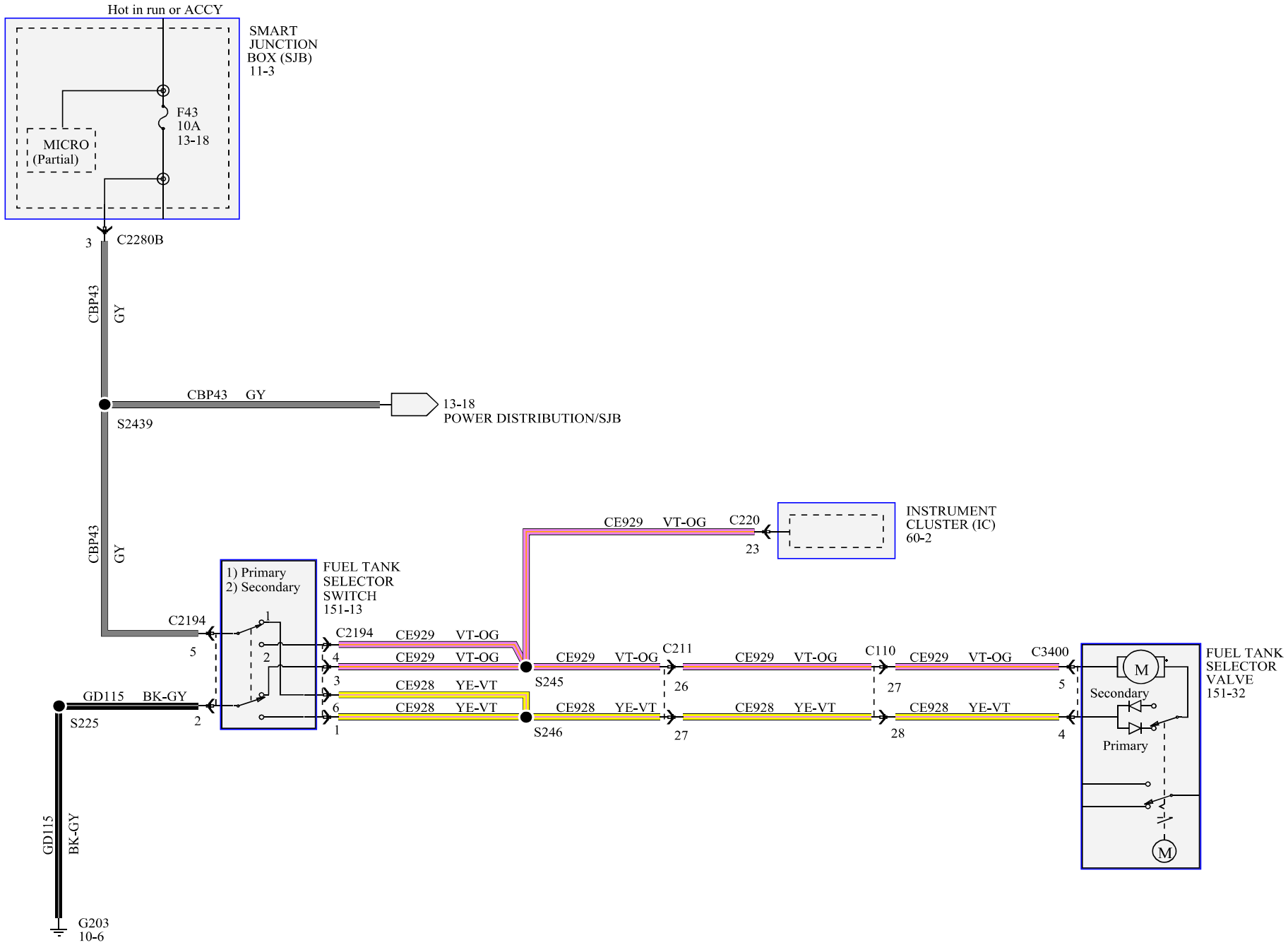

Hot at all times
F24
20A
13-15
HORN
RELAY
(Non-Serviceable)
MICRO
SMART
JUNCTION
BOX
11-3
5
C2280E
41
C2280B
CRH02
BU-WH
HORN
151-1
C131
2
1
GD124
BK-VT
S115
GD124
BK-VT
G108
10-4
C218A
C218B
CLN04 VT-GY
16
71-3
CLUSTER AND PANEL ILLUMINATION
RES08 GN-BN
14
31-1
SPEED CONTROL
VES10 WH
15
31-1
SPEED CONTROL
VH444 WH-VT
7
55-7
AUTOMATIC CLIMATE CONTROL SYSTEM
RH111 GY-BU
4
55-7
AUTOMATIC CLIMATE CONTROL SYSTEM
VME14 GY-YE
13
130-8
AUDIO SYSTEM/NAVAGATION
RME24 BU-WH
12
130-8
AUDIO SYSTEM/NAVAGATION
CR101 VT-BN
2
46-2
SUPPLEMENTAL RESTRAINT SYSTEM
RR101 YE-GN
10
46-2
SUPPLEMENTAL RESTRAINT SYSTEM
SRH01 YE-RD
8
S239
5
GD116
BK-VT
G202
10-4
CLOCKSPRING
151-15
4
RD-BK
RD-BK
7
71-3
CLUSTER AND
PANEL ILLUMINATION
YE-GN
9
WH-VT
8
31-1 SPEED CONTROL
WH-BK
2
BU-BK
BU-BK
5
55-7
AUTOMATIC CLIMATE
CONTROL SYSTEM
BN
10
YE
11
130-8
AUDIO SYSTEM/NAVIGATION
CR101 YE-WH
C216
1
RR101 RD
2
DRIVER
AIR BAG
46-2
LB-BK
1
HORN
SWITCH
1) Normally open
2) Horn activated
GN-OG
GN-OG
10-4
GROUNDS

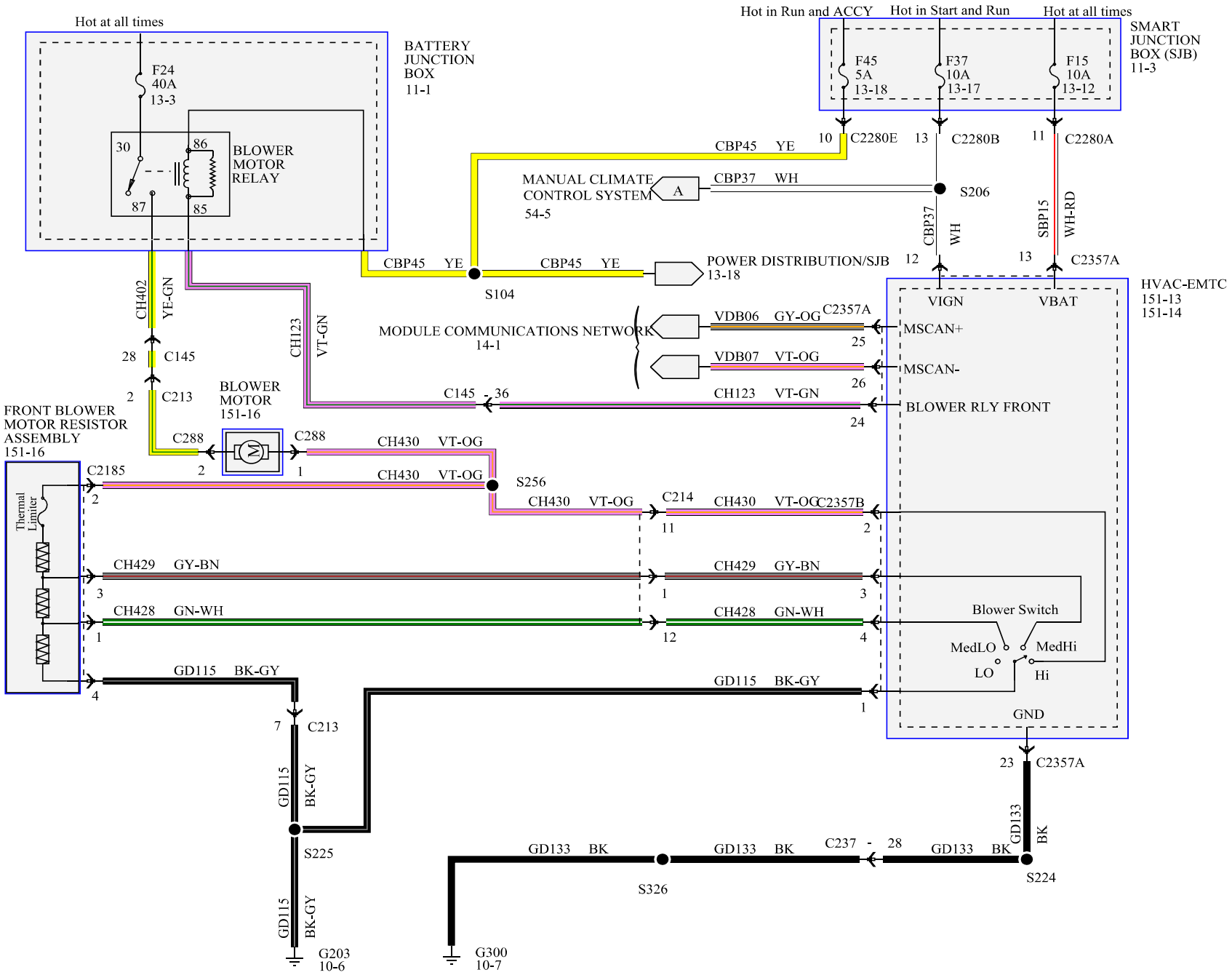

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F10 20A 13-5
F11 20A 13-5
F41 20A 13-5
F43 20A 13-5
SBB10 YE-RD
SBB11 BU-RD
SBB41 RD
SBB43 BU-RD
C145
C237
C312
C380
C3009
C2031
C2033
CIGAR LIGHTER 151-13
POWERPOINT, INSTRUMENT PANEL 151-13
CONSOLE POWER POINT, FRONT 151-18
CONSOLE POWER POINT, REAR 151-18
GD115 BK-GY
GD179 BK-VT
S225
S308
S323
G203 10-6
G302 10-9

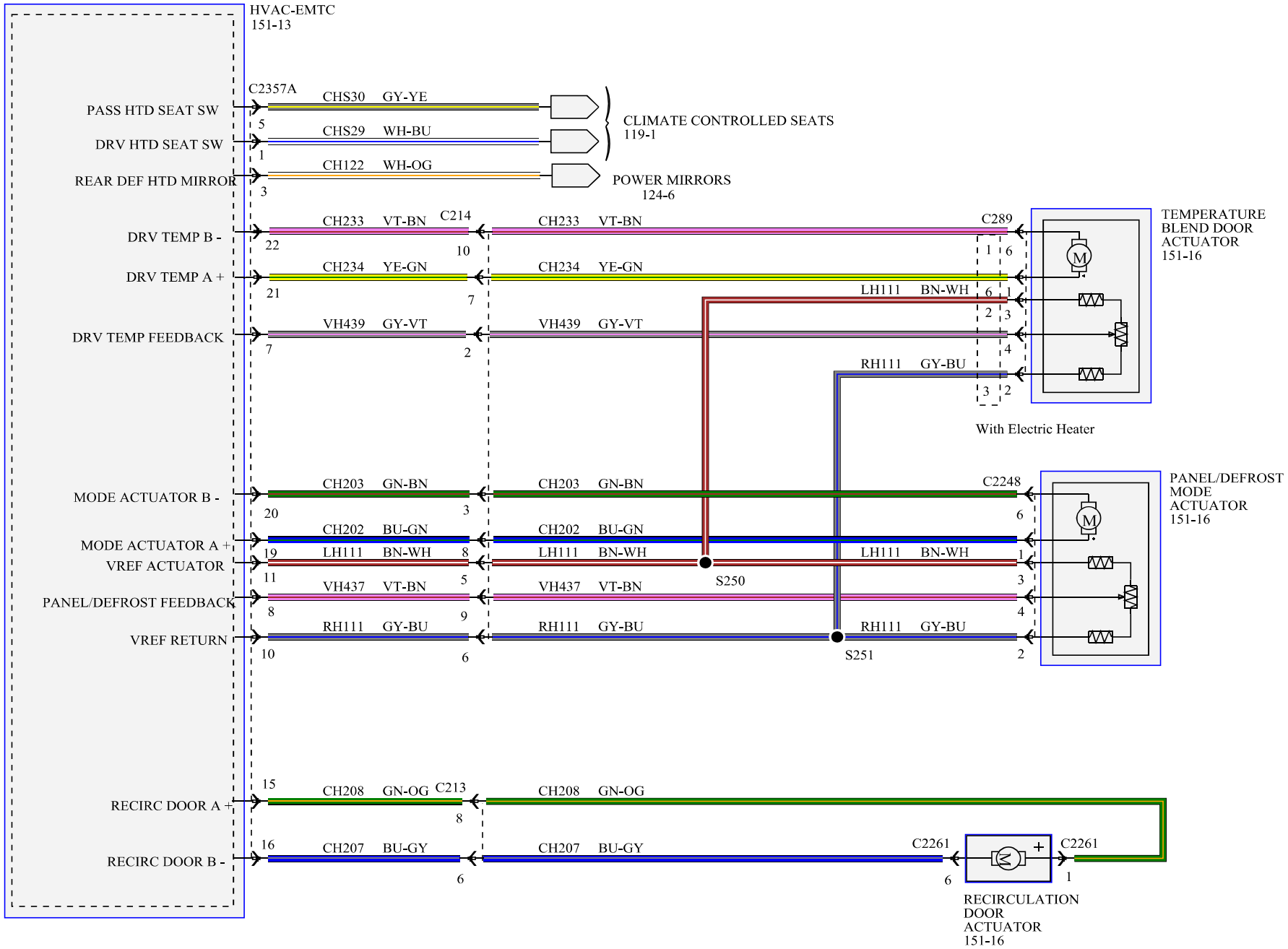
Warning
Do not attempt to diagnose or troubleshoot Supplemental Restraint System circuitry without consulting the Workshop Manual. Improper troubleshooting could cause the supplemental restraints to deploy inadvertently, causing injury.



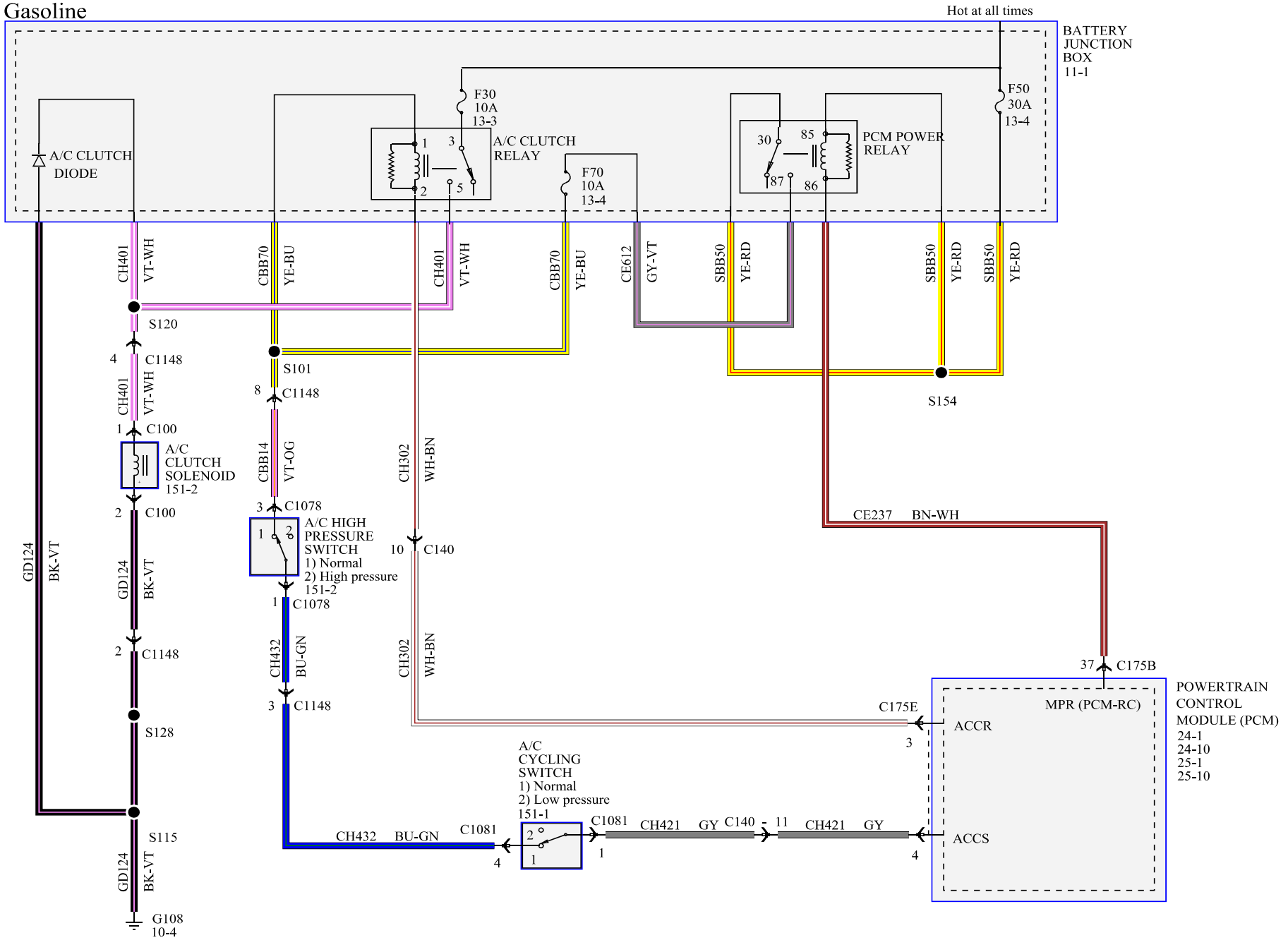

RESTRAINTS CONTROL MODULE (RCM)
151-24
151-25
151-27
Warning
Do not attempt to diagnose or troubleshoot Supplemental Restraint System circuitry without consulting the Workshop Manual. Improper troubleshooting could cause the supplemental restraints to deploy inadvertently, causing injury.
FRONT CRASH SN FEED
C310A
CR139 VT-WH
C210
CR139 VT-WH
C177
FRONT IMPACT SEVERITY SENSOR
151-1
FRONT CRASH SN RTN
RR139 YE
RR139 YE
FRONT PASS ABAG FEED
CR103 GY-BU
C219
CR103 GY-BU
C260
CR103 GY-BU
C256
PASSENGER AIR BAG IGNITER
151-13
FRONT PASS ABAG RTN
RR103 VT-GN
RR103 VT-GN
RR103 VT-GN
Super Cab
DRV PRETENS FEED
C310B
CR120 BU-OG
C756
CR120 BU-OG
C323
SAFETY BELT RETRACTOR PRETENSIONER DRIVER
151-23 151-25 151-27
DRV PRETENS RTN
RR120 BN-GN
RR120 BN-GN
FRONT PASS PRETENS FEED
CR122 WH-OG
C856
CR122 WH-OG
C303
SAFETY BELT RETRACTOR PRETENSIONER PASSENGER
151-23 151-25 151-27
FRONT PASS PRETENS RTN
RR122 BN
RR122 BN
CLOCKSPRING
44-1
DR ABAG FEED
C310A
CR101 VT-BN
C219
CR101 VT-BN
C218A
CR101 YE-WH
C216
DRIVER AIR BAG
151-15
DR ABAG RTN
RR101 YE-GN
RR101 YE-GN
RR101 RD
DRIVER BUCKLE
C310B
CR201 BU-OG
C313
CR201 BU-OG
C3065
SAFETY BELT BUCKLE SWITCH, DRIVER
151-16
GD174 BK-WH
GD174 BK-WH
S316
GD174
BK-WH
G303
10-9


Hot in run or ACCY
SMART JUNCTION BOX (SJB) 11-3
F43 10A 13-18
MICRO (Partial)
3
C2280B
CBP43 GY
CBP43 GY
13-18 POWER DISTRIBUTION/SJB
S2439
CBP43 GY
CE929 VT-OG C220
23
INSTRUMENT CLUSTER (IC) 60-2
1) Primary 2) Secondary
FUEL TANK SELECTOR SWITCH 151-13
C2194
5
C2194
CE929 VT-OG
CE928 YE-VT
CE928 YE-VT
S245
S246
C211
26
27
C110
27
28
C3400
5
4
GD115 BK-GY
S225
2
1
Secondary
Primary
FUEL TANK SELECTOR VALVE 151-32
GD115 BK-GY
G203 10-6

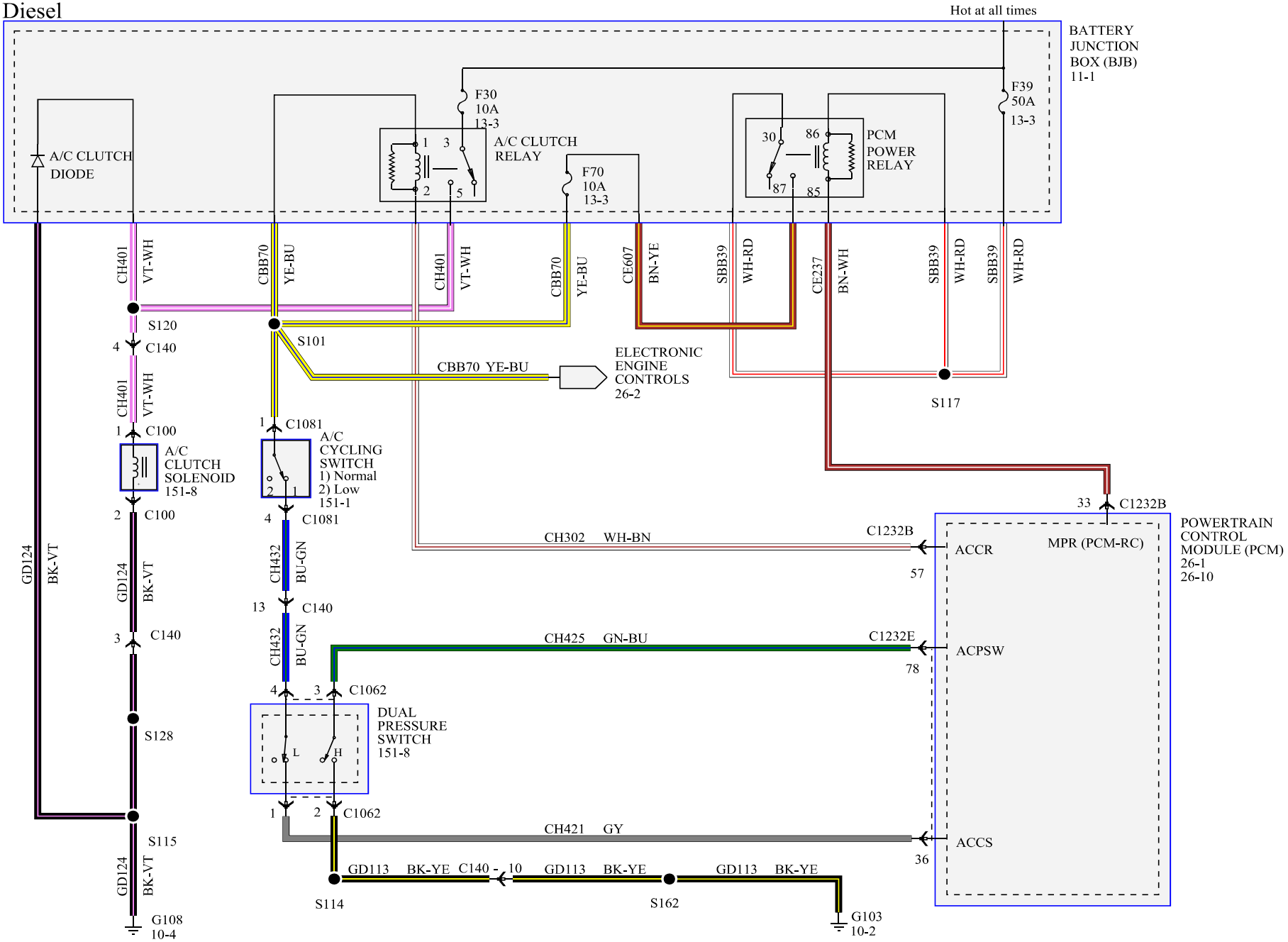

Hot at all times
BATTERY JUNCTION BOX 11-1
F24 40A 13-3
30
86
87
85
BLOWER MOTOR RELAY
Hot in Run and ACCY
Hot in Start and Run
Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F45 5A 13-18
F37 10A 13-17
F15 10A 13-12
10 C2280E
13 C2280B
11 C2280A
CBP45 YE
MANUAL CLIMATE CONTROL SYSTEM 54-5
A
CBP37 WH
S206
CBP37 WH
SBP15 WH-RD
12
13 C2357A
CBP45 YE
CBP45 YE
POWER DISTRIBUTION/SJB 13-18
S104
HVAC-EMTC 151-13 151-14
VIGN
VBAT
CH402 YE-GN
28 C145
2 C213
CH123 VT-GN
MODULE COMMUNICATIONS NETWORK 14-1
VDB06 GY-OG
C2357A
25
MSCAN+
VDB07 VT-OG
26
MSCAN-
C145 36
CH123 VT-GN
24
BLOWER RLY FRONT
BLOWER MOTOR 151-16
FRONT BLOWER MOTOR RESISTOR ASSEMBLY 151-16
C288
C288
2
1
CH430 VT-OG
C2185
2
CH430 VT-OG
S256
CH430 VT-OG
C214
11
CH430 VT-OG
C2357B
2
Thermal Limiter
CH429 GY-BN
3
1
CH429 GY-BN
3
CH428 GN-WH
1
12
CH428 GN-WH
4
Blower Switch
MedLO
MedHi
LO
Hi
GD115 BK-GY
4
GD115 BK-GY
1
GND
7 C213
GD115 BK-GY
23 C2357A
GD133 BK
S225
GD133 BK
GD133 BK
C237 28
GD133 BK
BK
S224
S326
GD115 BK-GY
G203 10-6
G300 10-7


HVAC-EMTC
151-13
C2357A
PASS HTD SEAT SW
5
CHS30 GY-YE
DRV HTD SEAT SW
1
CHS29 WH-BU
REAR DEF HTD MIRROR
3
CH122 WH-OG
CLIMATE CONTROLLED SEATS
119-1
POWER MIRRORS
124-6
DRV TEMP B -
22
CH233 VT-BN
C214
10
CH233 VT-BN
C289
DRV TEMP A +
21
CH234 YE-GN
7
CH234 YE-GN
DRV TEMP FEEDBACK
7
VH439 GY-VT
2
VH439 GY-VT
LH111 BN-WH
RH111 GY-BU
TEMPERATURE
BLEND DOOR
ACTUATOR
151-16
With Electric Heater
MODE ACTUATOR B -
20
CH203 GN-BN
3
CH203 GN-BN
C2248
MODE ACTUATOR A +
19
CH202 BU-GN
8
CH202 BU-GN
VREF ACTUATOR
11
LH111 BN-WH
5
LH111 BN-WH
S250
PANEL/DEFROST FEEDBACK
8
VH437 VT-BN
9
VH437 VT-BN
VREF RETURN
10
RH111 GY-BU
6
RH111 GY-BU
S251
PANEL/DEFROST
MODE
ACTUATOR
151-16
RECIRC DOOR A +
15
CH208 GN-OG
C213
8
CH208 GN-OG
RECIRC DOOR B -
16
CH207 BU-GY
6
CH207 BU-GY
C2261
C2261
RECIRCULATION
DOOR
ACTUATOR
151-16

Gasoline

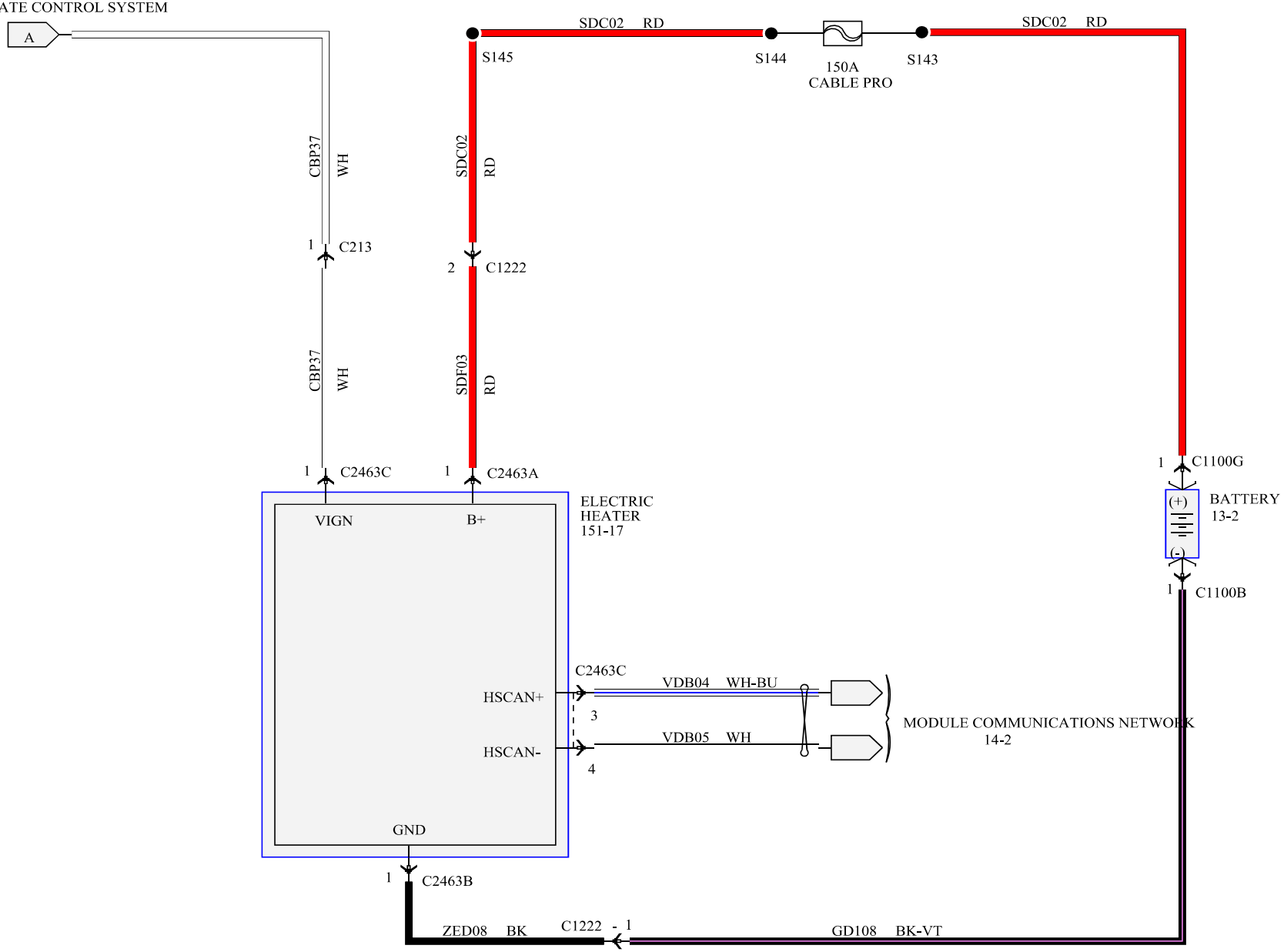

Hot at all times
BATTERY JUNCTION BOX 11-1
F30 10A 13-3
F50 30A 13-4
F70 10A 13-4
A/C CLUTCH DIODE
A/C CLUTCH RELAY
PCM POWER RELAY
CH401 VT-WH
CBB70 YE-BU
CE612 GY-VT
SBB50 YE-RD
S120
S101
S154
C1148
C100
A/C CLUTCH SOLENOID 151-2
CBB14 VT-OG
CH302 WH-BN
C1078
A/C HIGH PRESSURE SWITCH
1) Normal
2) High pressure
151-2
C140
CE237 BN-WH
C175B
GD124 BK-VT
CH432 BU-GN
S128
S115
G108 10-4
C175E
MPR (PCM-RC)
ACCR
ACCS
POWERTRAIN CONTROL MODULE (PCM)
24-1
24-10
25-1
25-10
A/C CYCLING SWITCH
1) Normal
2) Low pressure
151-1
C1081
CH421 GY
C140 - 11

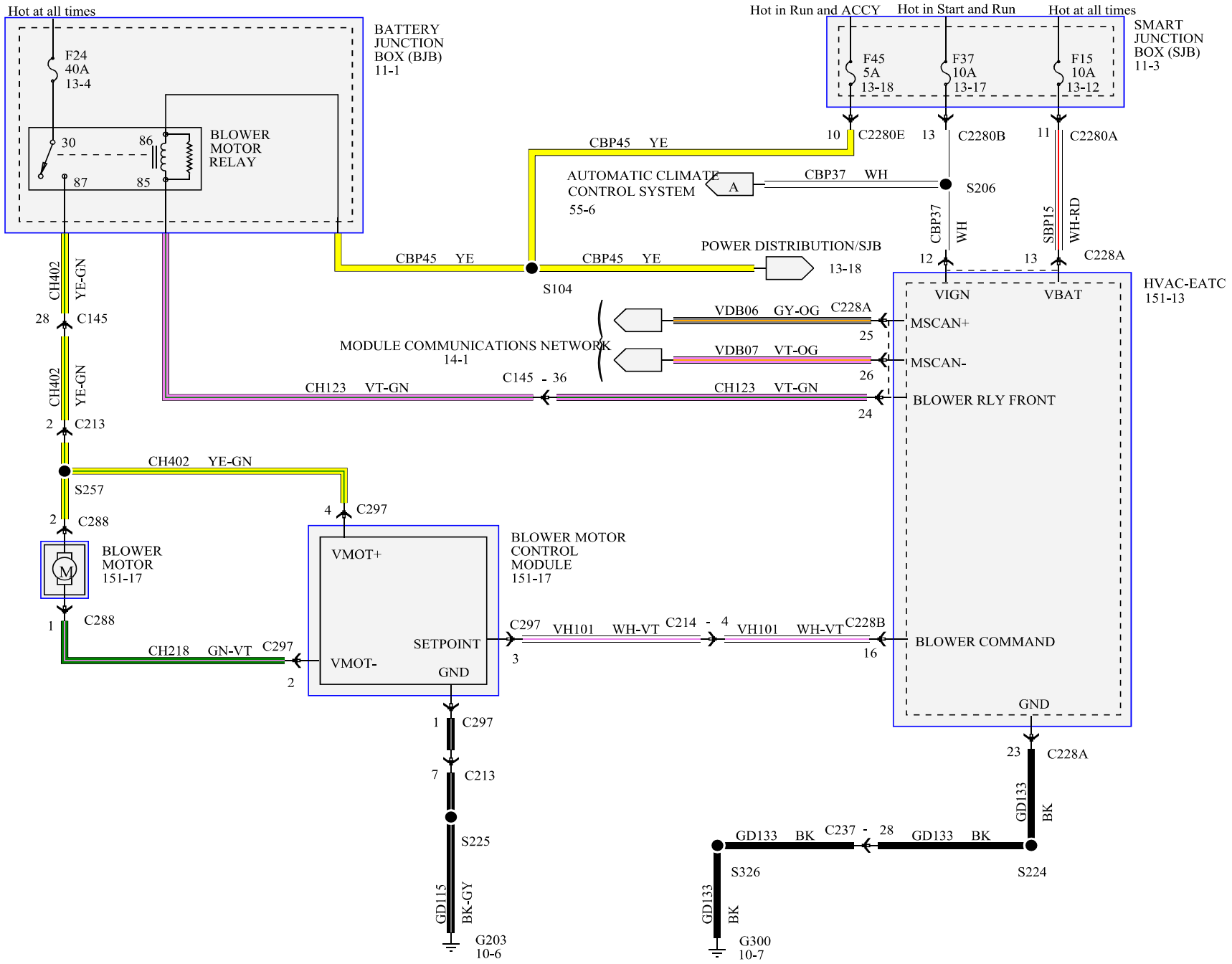
Diesel

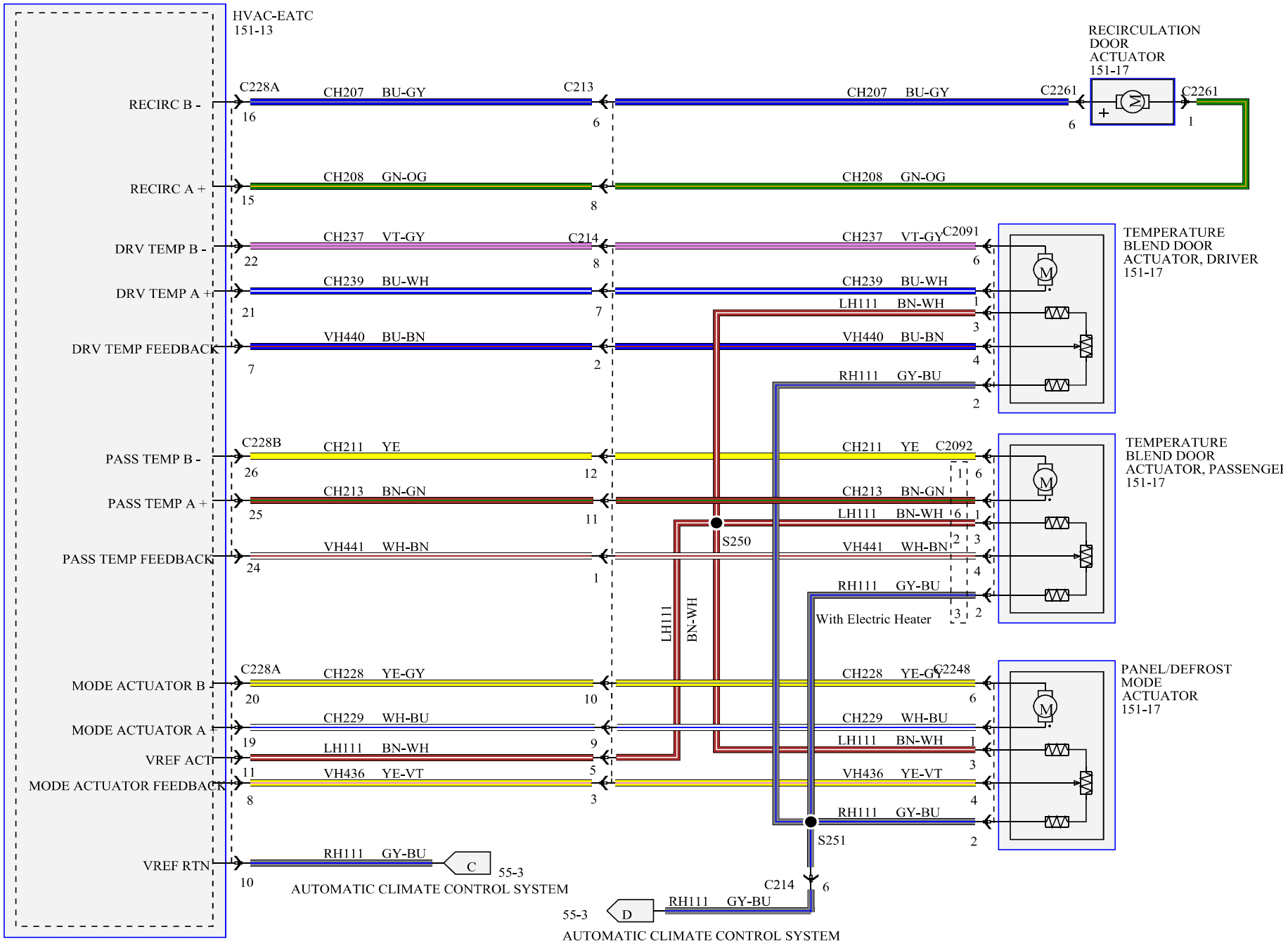

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F30 10A 13-3
F39 50A 13-3
F70 10A 13-3
A/C CLUTCH DIODE
A/C CLUTCH RELAY
PCM POWER RELAY
CH401 VT-WH
CBB70 YE-BU
CE607 BN-YE
SBB39 WH-RD
CE237 BN-WH
S120
S101
S117
C140
C100
C1081
A/C CLUTCH SOLENOID 151-8
A/C CYCLING SWITCH 1) Normal 2) Low 151-1
ELECTRONIC ENGINE CONTROLS 26-2
CBB70 YE-BU
GD124 BK-VT
CH432 BU-GN
CH302 WH-BN
CH425 GN-BU
CH421 GY
C1232B
C1232E
POWERTRAIN CONTROL MODULE (PCM) 26-1 26-10
MPR (PCM-RC)
ACCR
ACPSW
ACCS
DUAL PRESSURE SWITCH 151-8
S128
S115
S114
S162
G108 10-4
G103 10-2
GD113 BK-YE

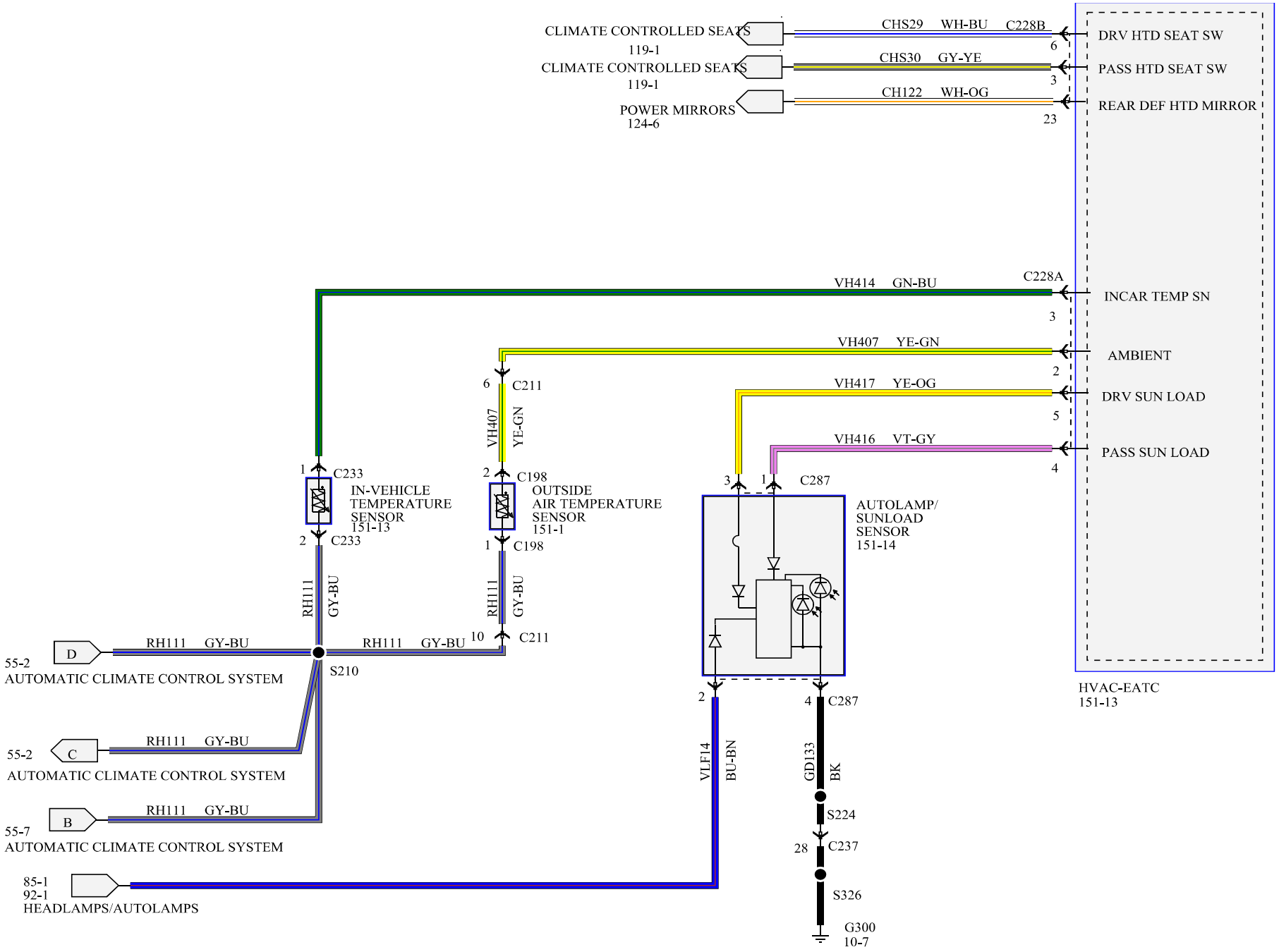
Electric Heater

MANUAL CLIMATE CONTROL SYSTEM
54-1

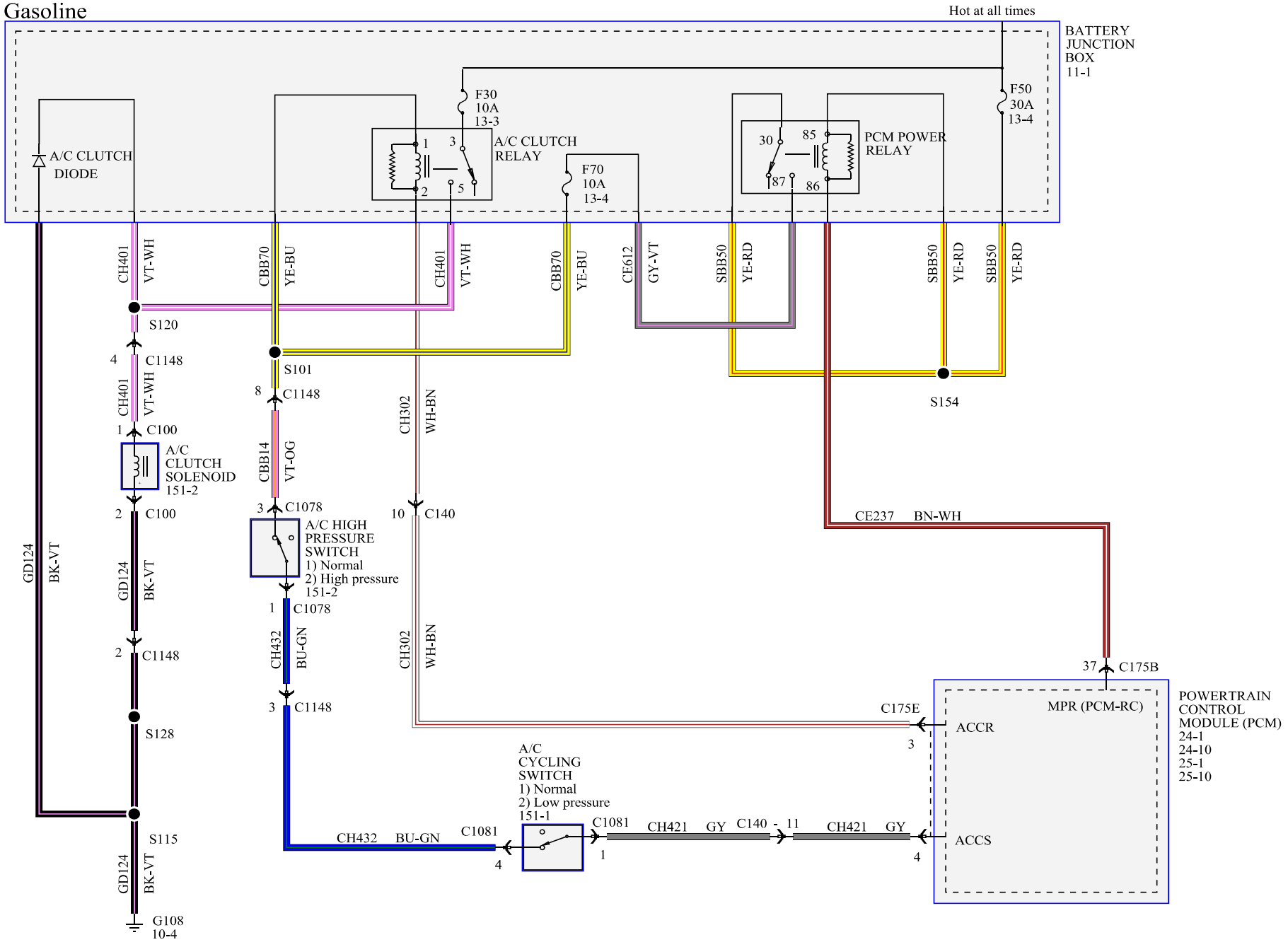



Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F24 40A 13-4
BLOWER MOTOR RELAY
30
86
87
85
Hot in Run and ACCY
Hot in Start and Run
Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F45 5A 13-18
F37 10A 13-17
F15 10A 13-12
10 C2280E
13 C2280B
11 C2280A
CBP45 YE
AUTOMATIC CLIMATE CONTROL SYSTEM 55-6
A
CBP37 WH
S206
CBP37 WH
SBP15 WH-RD
POWER DISTRIBUTION/SJB
CBP45 YE
CBP45 YE
13-18
S104
12
13
C228A
HVAC-EATC 151-13
VIGN
VBAT
CH402 YE-GN
28 C145
VDB06 GY-OG C228A
25
MSCAN+
MODULE COMMUNICATIONS NETWORK 14-1
VDB07 VT-OG
26
MSCAN-
C145 - 36
CH123 VT-GN
CH123 VT-GN
24
BLOWER RLY FRONT
CH402 YE-GN
2 C213
CH402 YE-GN
S257
2 C288
4 C297
BLOWER MOTOR
BLOWER MOTOR CONTROL MODULE 151-17
VMOT+
1 C288
CH218 GN-VT C297
2
VMOT-
SETPOINT
GND
C297 VH101 WH-VT C214 - 4 VH101 WH-VT C228B
3
16
BLOWER COMMAND
GND
1 C297
7 C213
S225
GD115 BK-GY
G203 10-6
23 C228A
GD133 BK
GD133 BK C237 - 28 GD133 BK
S326
S224
GD133 BK
G300 10-7

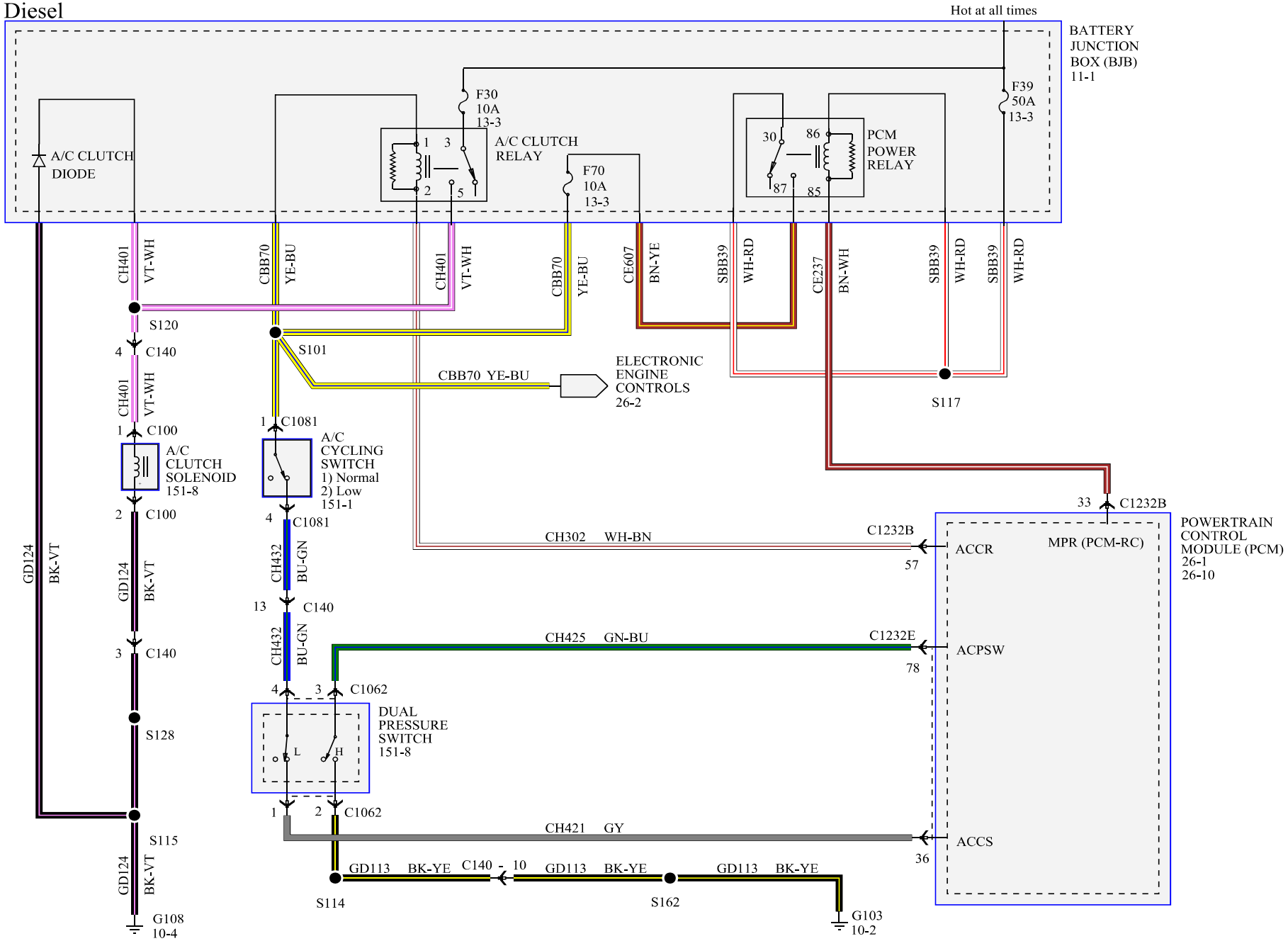

HVAC-EATC
151-13
RECIRCULATION DOOR ACTUATOR 151-17
TEMPERATURE BLEND DOOR ACTUATOR, DRIVER 151-17
TEMPERATURE BLEND DOOR ACTUATOR, PASSENGEI 151-17
PANEL/DEFROST MODE ACTUATOR 151-17
RECIRC B -
RECIRC A +
DRV TEMP B -
DRV TEMP A +
DRV TEMP FEEDBACK
PASS TEMP B -
PASS TEMP A +
PASS TEMP FEEDBACK
MODE ACTUATOR B -
MODE ACTUATOR A +
VREF ACT
MODE ACTUATOR FEEDBACK
VREF RTN
C228A
C228B
C213
C214
C2261
C2091
C2092
C2248
CH207 BU-GY
CH208 GN-OG
CH237 VT-GY
CH239 BU-WH
VH440 BU-BN
CH211 YE
CH213 BN-GN
VH441 WH-BN
CH228 YE-GY
CH229 WH-BU
LH111 BN-WH
VH436 YE-VT
RH111 GY-BU
S250
S251
With Electric Heater
55-3
AUTOMATIC CLIMATE CONTROL SYSTEM


CLIMATE CONTROLLED SEATS
119-1
CLIMATE CONTROLLED SEATS
119-1
POWER MIRRORS
124-6
CHS29 WH-BU C228B
CHS30 GY-YE
CH122 WH-OG
6
3
23
DRV HTD SEAT SW
PASS HTD SEAT SW
REAR DEF HTD MIRROR
VH414 GN-BU
C228A
3
INCAR TEMP SN
VH407 YE-GN
2
AMBIENT
VH417 YE-OG
5
DRV SUN LOAD
VH416 VT-GY
4
PASS SUN LOAD
HVAC-EATC
151-13
6 C211
VH407 YE-GN
2 C198
OUTSIDE AIR TEMPERATURE SENSOR
151-1
1 C198
RH111 GY-BU
10 C211
1 C233
IN-VEHICLE TEMPERATURE SENSOR
151-13
2 C233
RH111 GY-BU
3 1 C287
AUTOLAMP/ SUNLOAD SENSOR
151-14
D
RH111 GY-BU
RH111 GY-BU
55-2
AUTOMATIC CLIMATE CONTROL SYSTEM
S210
C
RH111 GY-BU
55-2
AUTOMATIC CLIMATE CONTROL SYSTEM
B
RH111 GY-BU
55-7
AUTOMATIC CLIMATE CONTROL SYSTEM
85-1
92-1
HEADLAMPS/AUTOLAMPS
2
VLF14 BU-BN
4 C287
GD133 BK
S224
28 C237
S326
G300
10-7

Gasoline

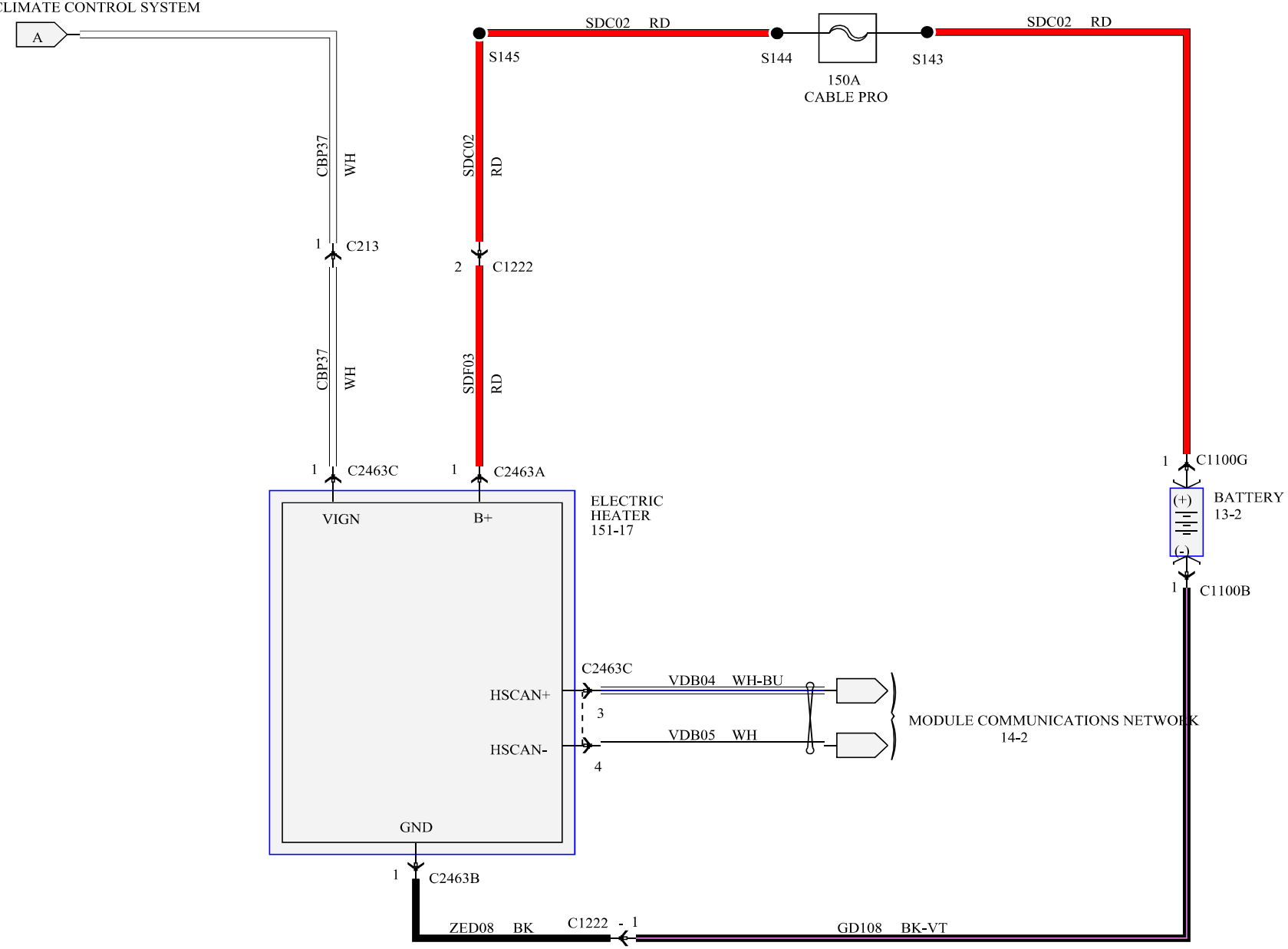

Hot at all times
BATTERY JUNCTION BOX 11-1
F30 10A 13-3
F50 30A 13-4
F70 10A 13-4
A/C CLUTCH DIODE
A/C CLUTCH RELAY
PCM POWER RELAY
CH401 VT-WH
CBB70 YE-BU
CE612 GY-VT
SBB50 YE-RD
S120
S101
S154
C1148
C100
A/C CLUTCH SOLENOID 151-2
CBB14 VT-OG
CH302 WH-BN
C1078
C140
A/C HIGH PRESSURE SWITCH 1) Normal 2) High pressure 151-2
CE237 BN-WH
GD124 BK-VT
S128
S115
G108 10-4
CH432 BU-GN
A/C CYCLING SWITCH 1) Normal 2) Low pressure 151-1
C1081
CH421 GY
C140
C175B
C175E
MPR (PCM-RC)
ACCR
ACCS
POWERTRAIN CONTROL MODULE (PCM) 24-1 24-10 25-1 25-10

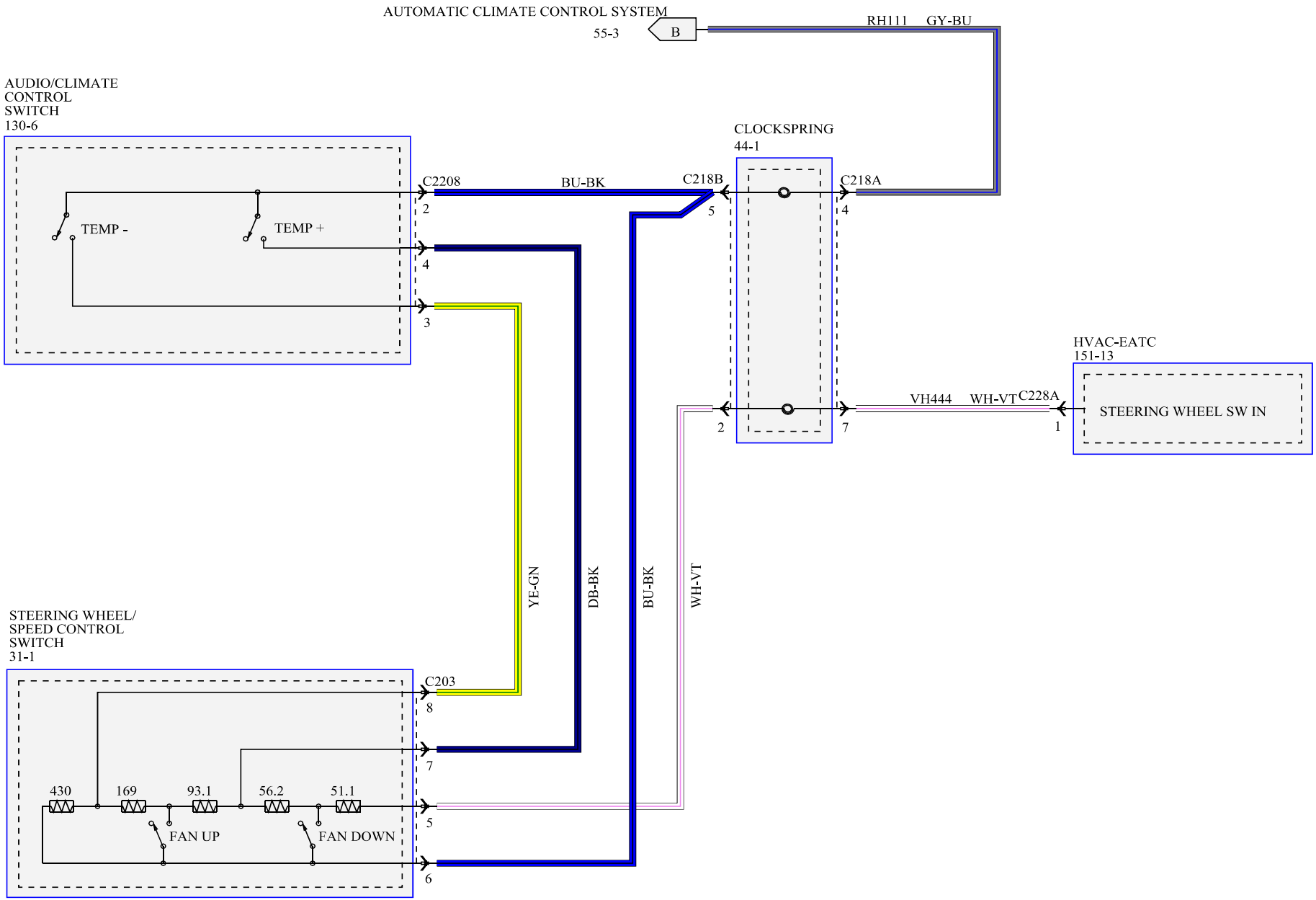
Diesel

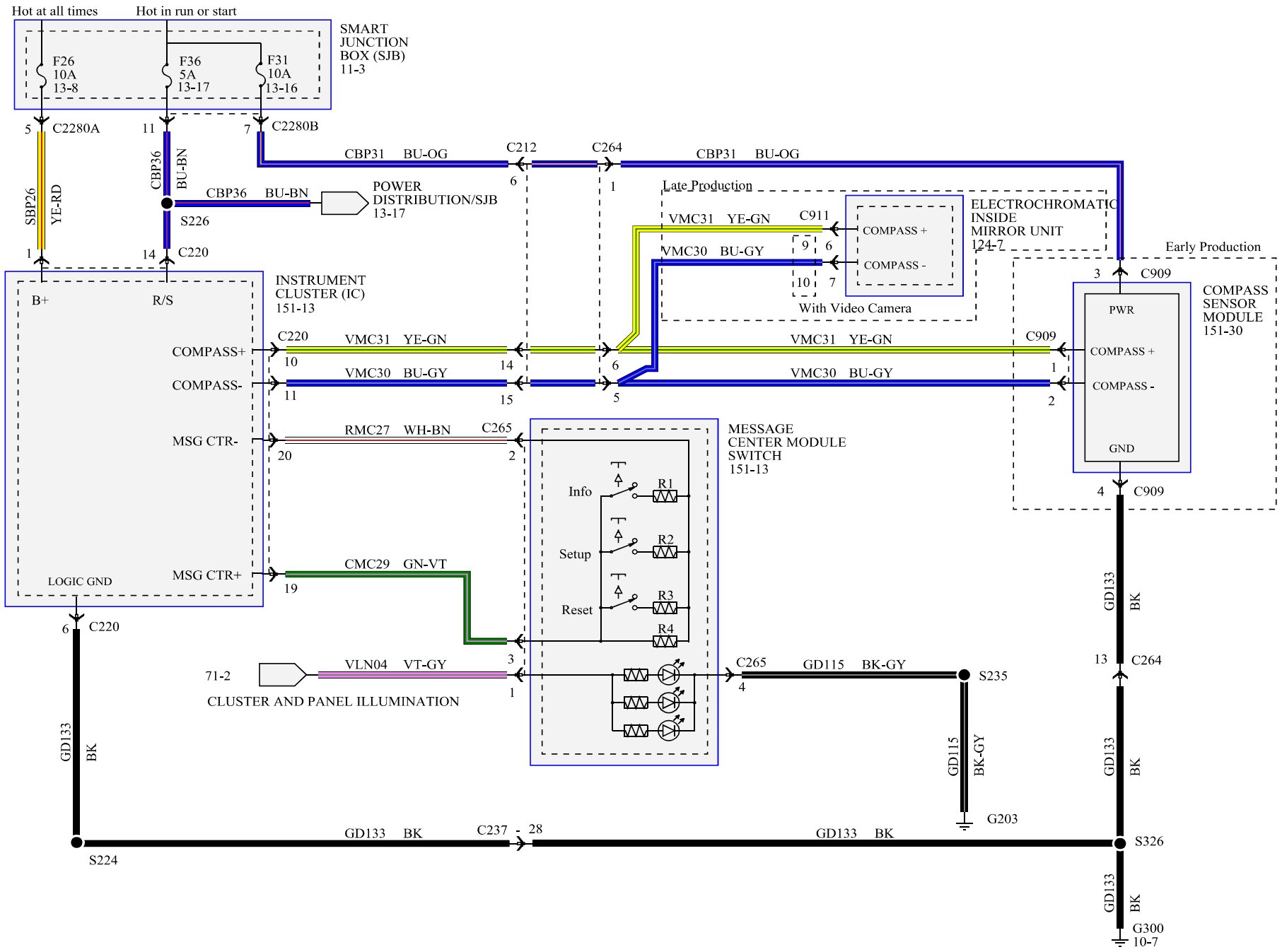

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F30 10A 13-3
F39 50A 13-3
F70 10A 13-3
A/C CLUTCH DIODE
A/C CLUTCH RELAY
PCM POWER RELAY
CH401 VT-WH
CBB70 YE-BU
CE607 BN-YE
SBB39 WH-RD
CE237 BN-WH
S120
S101
S117
C140
C100
C1081
A/C CLUTCH SOLENOID 151-8
A/C CYCLING SWITCH 1) Normal 2) Low 151-1
ELECTRONIC ENGINE CONTROLS 26-2
CH302 WH-BN
C1232B
POWERTRAIN CONTROL MODULE (PCM) 26-1 26-10
MPR (PCM-RC)
ACCR
ACPSW
ACCS
CH425 GN-BU
CH432 BU-GN
C1062
DUAL PRESSURE SWITCH 151-8
CH421 GY
GD124 BK-VT
S128
S115
S114
S162
G108 10-4
G103 10-2
GD113 BK-YE
C140 - 10

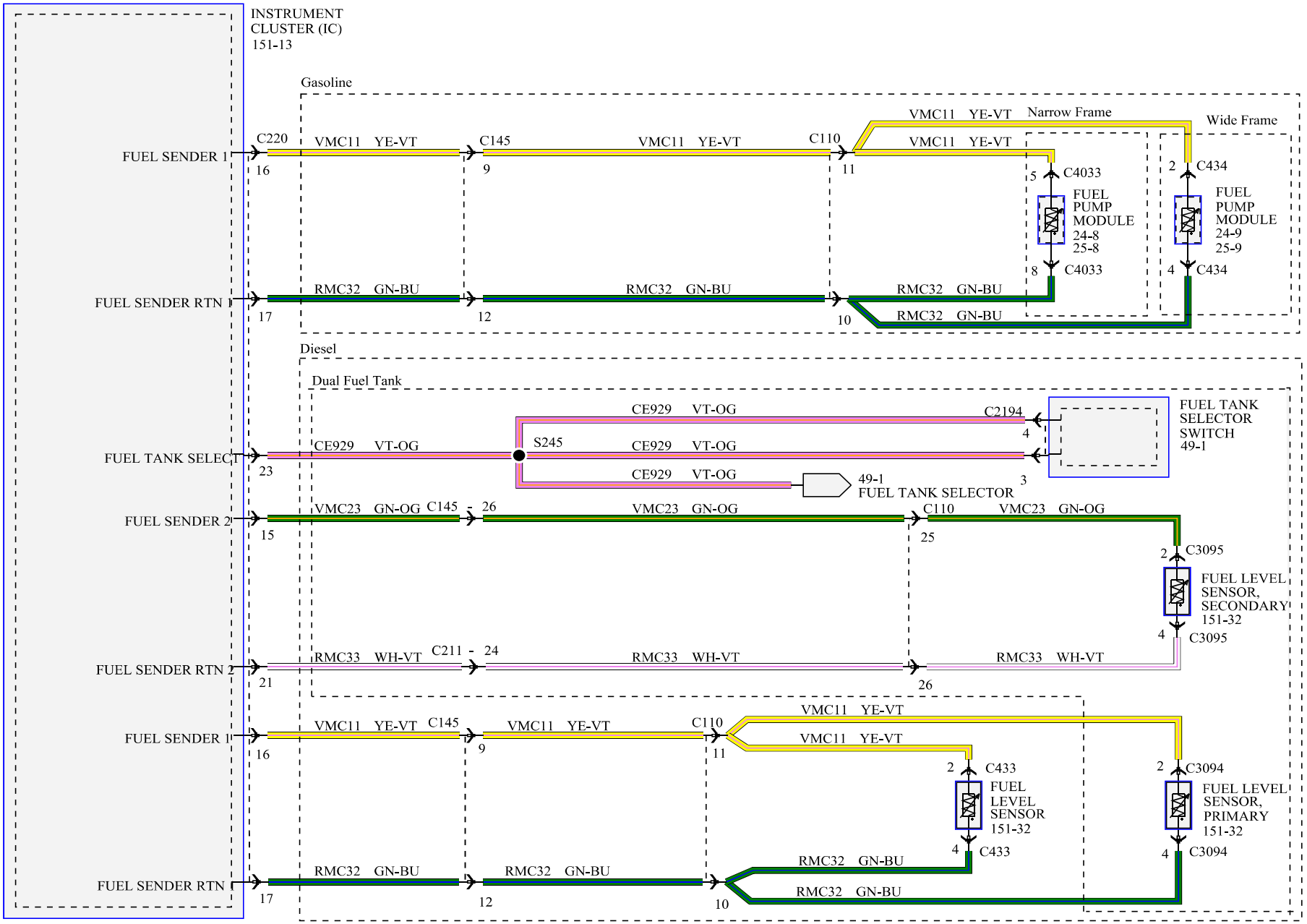
Electric Heater

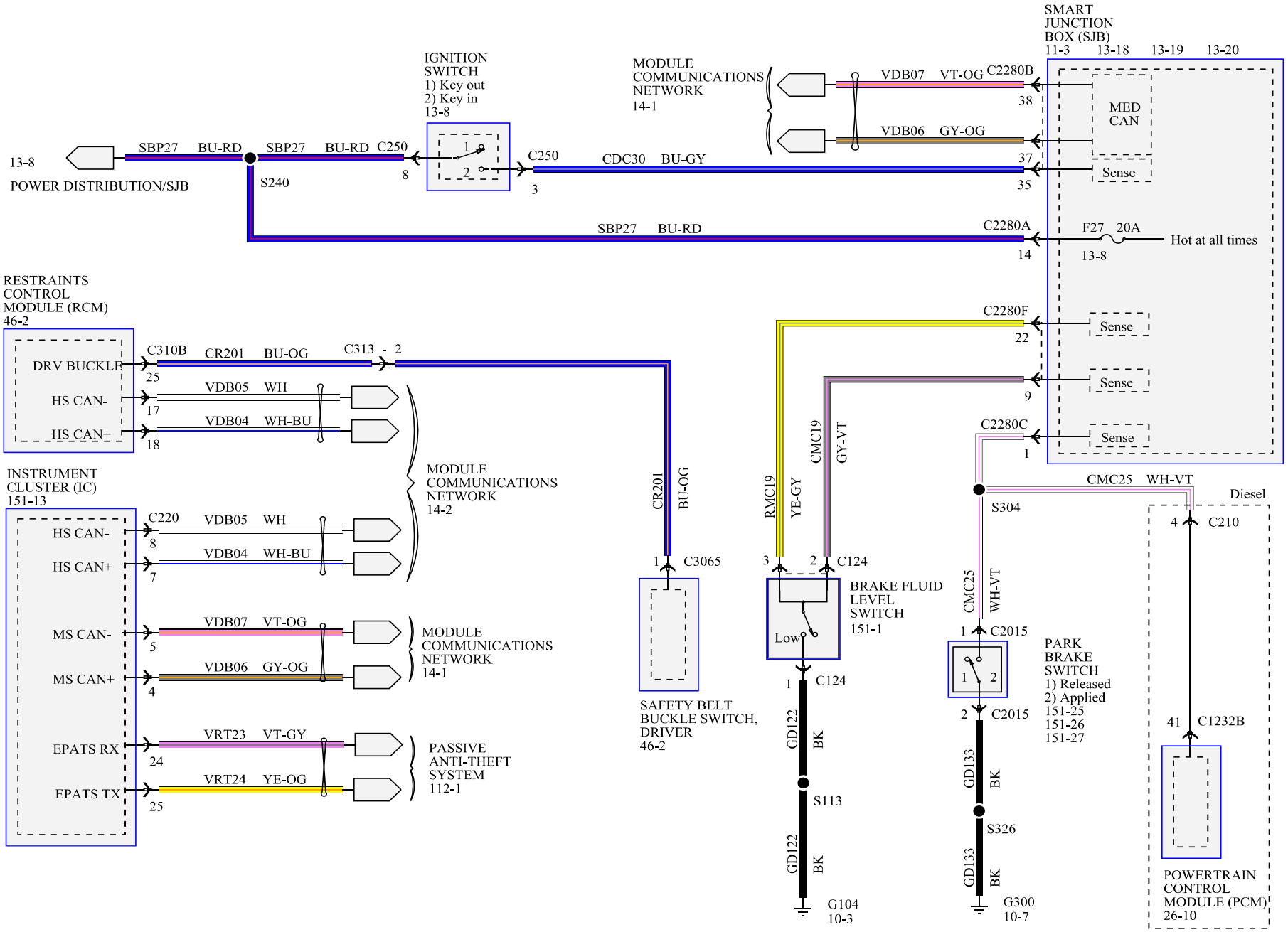
AUTOMATIC CLIMATE CONTROL SYSTEM
55-1

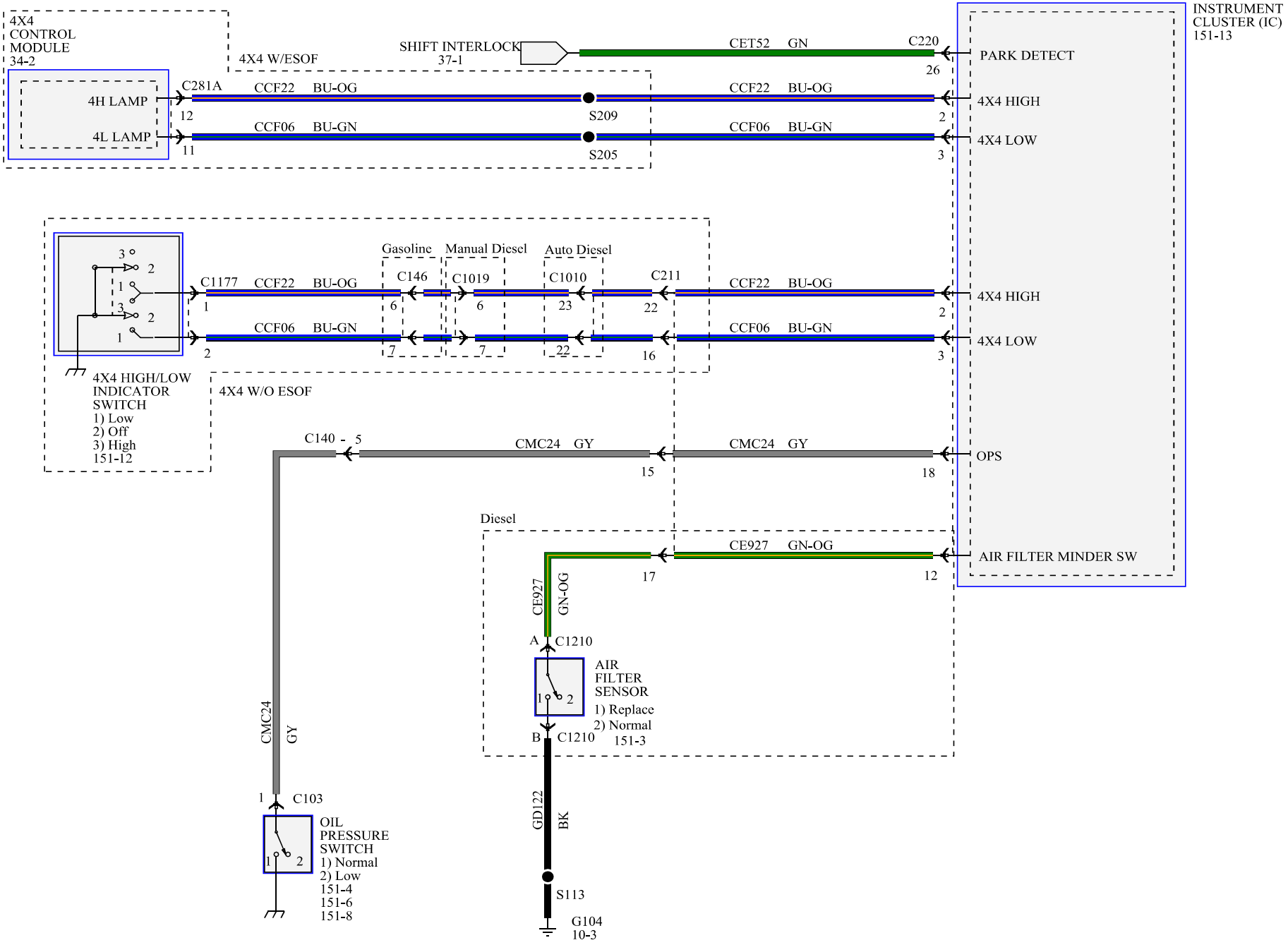


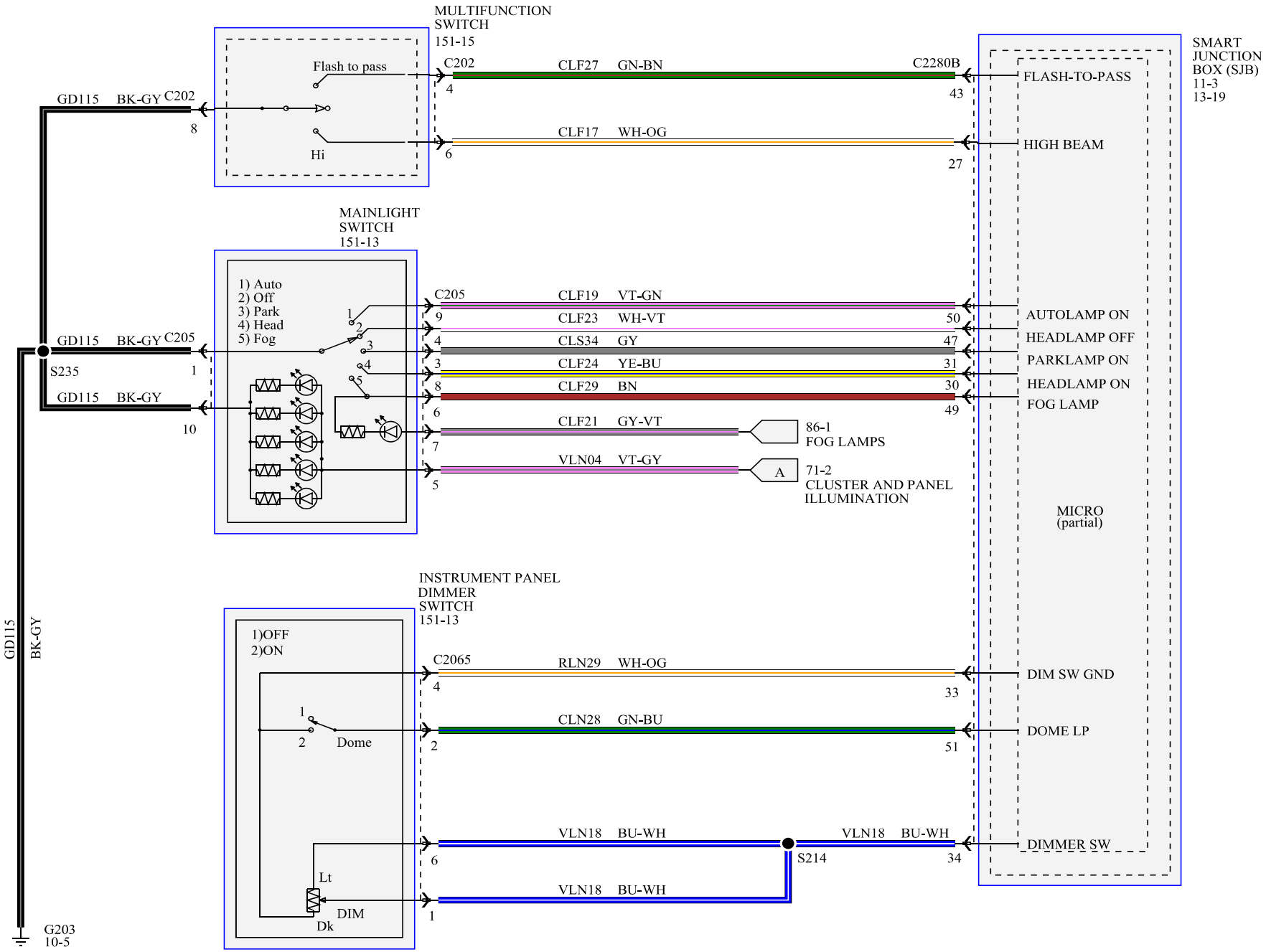

AUTOMATIC CLIMATE CONTROL SYSTEM
55-3
B
RH111 GY-BU
AUDIO/CLIMATE CONTROL SWITCH
130-6
TEMP -
TEMP +
C2208
2
4
3
BU-BK
C218B
5
CLOCKSPRING
44-1
C218A
4
HVAC-EATC
151-13
STEERING WHEEL SW IN
VH444 WH-VT
C228A
1
2
7
YE-GN
DB-BK
BU-BK
WH-VT
STEERING WHEEL/ SPEED CONTROL SWITCH
31-1
C203
8
7
5
6
430
169
93.1
56.2
51.1
FAN UP
FAN DOWN

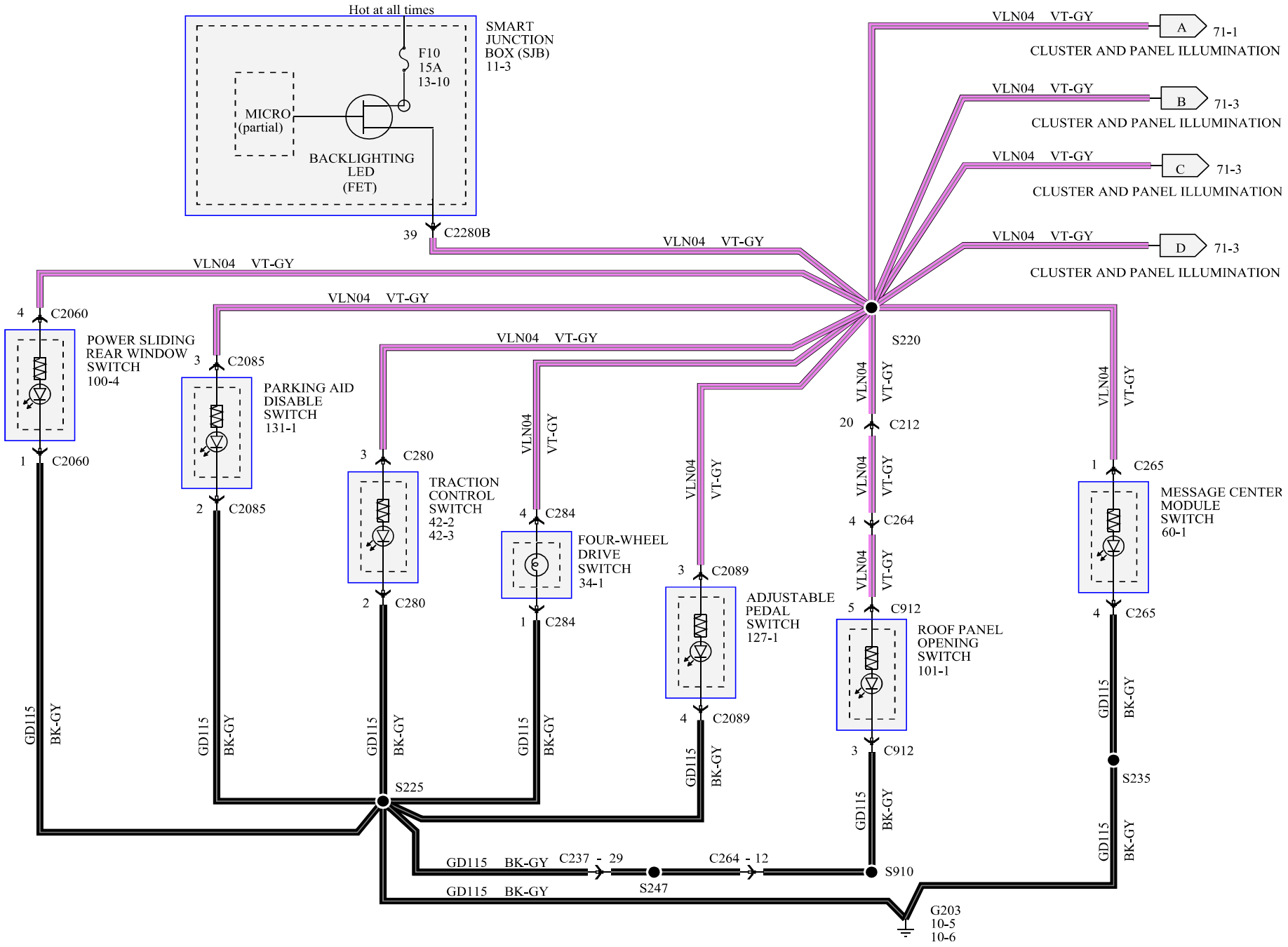

Hot at all times
Hot in run or start
SMART JUNCTION BOX (SJB) 11-3
F26 10A 13-8
F36 5A 13-17
F31 10A 13-16
C2280A
C2280B
SBP26 YE-RD
CBP36 BU-BN
CBP31 BU-OG
C212
C264
POWER DISTRIBUTION/SJB 13-17
S226
C220
Late Production
VMC31 YE-GN
VMC30 BU-GY
C911
COMPASS +
COMPASS -
With Video Camera
ELECTROCHROMATIC INSIDE MIRROR UNIT 124-7
Early Production
C909
PWR
GND
COMPASS SENSOR MODULE 151-30
INSTRUMENT CLUSTER (IC) 151-13
B+
R/S
COMPASS+
COMPASS-
MSG CTR-
MSG CTR+
LOGIC GND
RMC27 WH-BN
CMC29 GN-VT
C265
MESSAGE CENTER MODULE SWITCH 151-13
Info
Setup
Reset
R1
R2
R3
R4
VLN04 VT-GY
71-2
CLUSTER AND PANEL ILLUMINATION
GD115 BK-GY
S235
G203
GD133 BK
S224
C237
28
S326
G300
10-7

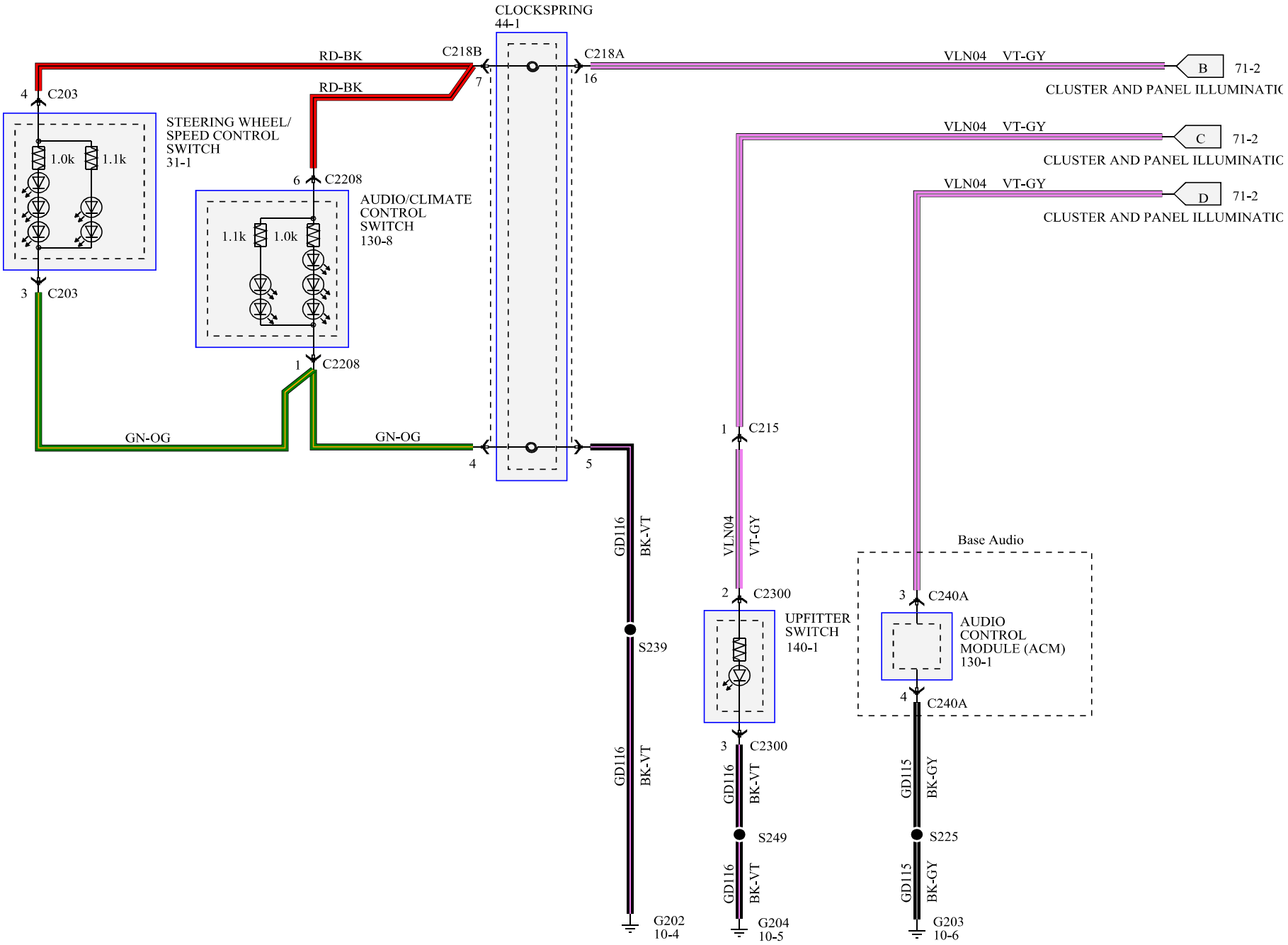

INSTRUMENT CLUSTER (IC) 151-13
Gasoline
FUEL SENDER 1
FUEL SENDER RTN 1
C220
16
VMC11 YE-VT
C145
9
VMC11 YE-VT
C110
11
VMC11 YE-VT
VMC11 YE-VT
Narrow Frame
Wide Frame
5
C4033
FUEL PUMP MODULE 24-8 25-8
8
C4033
2
C434
FUEL PUMP MODULE 24-9 25-9
4
C434
RMC32 GN-BU
17
RMC32 GN-BU
12
RMC32 GN-BU
10
RMC32 GN-BU
Diesel
Dual Fuel Tank
FUEL TANK SELECT
FUEL SENDER 2
FUEL SENDER RTN 2
FUEL SENDER 1
FUEL SENDER RTN 1
CE929 VT-OG
23
S245
CE929 VT-OG
CE929 VT-OG
CE929 VT-OG
C2194
4
1
3
FUEL TANK SELECTOR SWITCH 49-1
49-1 FUEL TANK SELECTOR
VMC23 GN-OG
C145
26
15
VMC23 GN-OG
C110
VMC23 GN-OG
25
2
C3095
FUEL LEVEL SENSOR, SECONDARY 151-32
4
C3095
RMC33 WH-VT
C211
24
21
RMC33 WH-VT
RMC33 WH-VT
26
VMC11 YE-VT
C145
16
9
VMC11 YE-VT
C110
11
VMC11 YE-VT
VMC11 YE-VT
2
C433
FUEL LEVEL SENSOR 151-32
4
C433
2
C3094
FUEL LEVEL SENSOR, PRIMARY 151-32
4
C3094
RMC32 GN-BU
17
RMC32 GN-BU
12
RMC32 GN-BU
10
RMC32 GN-BU

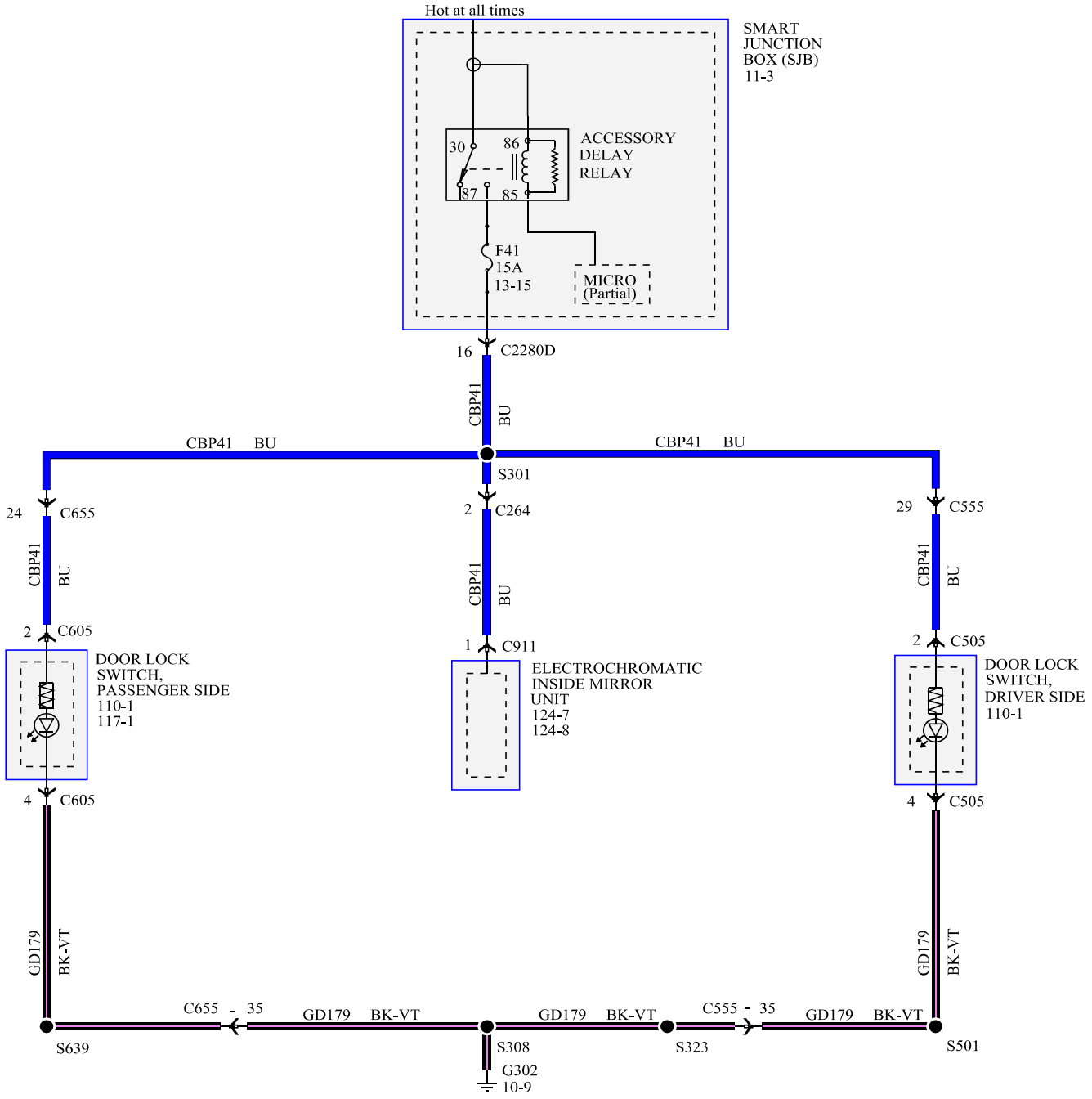

SMART JUNCTION BOX (SJB)
11-3 13-18 13-19 13-20
MED CAN
Sense
Sense
Sense
Sense
IGNITION SWITCH
1) Key out
2) Key in
13-8
MODULE COMMUNICATIONS NETWORK
14-1
VDB07 VT-OG C2280B 38
VDB06 GY-OG 37
C250 CDC30 BU-GY 35
C250 3
13-8
POWER DISTRIBUTION/SJB
SBP27 BU-RD
SBP27 BU-RD C250 8
S240
SBP27 BU-RD C2280A 14
F27 20A
Hot at all times
13-8
C2280F 22
9
C2280C 1
CMC25 WH-VT
S304
Diesel
4 C210
41 C1232B
POWERTRAIN CONTROL MODULE (PCM)
26-10
RESTRAINTS CONTROL MODULE (RCM)
46-2
DRV BUCKLE
HS CAN-
HS CAN+
C310B CR201 BU-OG C313 2
25
VDB05 WH 17
VDB04 WH-BU 18
MODULE COMMUNICATIONS NETWORK
14-2
INSTRUMENT CLUSTER (IC)
151-13
HS CAN-
HS CAN+
MS CAN-
MS CAN+
EPATS RX
EPATS TX
C220 VDB05 WH 8
VDB04 WH-BU 7
VDB07 VT-OG 5
VDB06 GY-OG 4
VRT23 VT-GY 24
VRT24 YE-OG 25
MODULE COMMUNICATIONS NETWORK
14-1
PASSIVE ANTI-THEFT SYSTEM
112-1
CR201 BU-OG
1 C3065
SAFETY BELT BUCKLE SWITCH, DRIVER
46-2
RMC19 YE-GY
CMC19 GY-VT
3 2 C124
BRAKE FLUID LEVEL SWITCH
151-1
Low
1 C124
GD122 BK
S113
GD122 BK
G104
10-3
CMC25 WH-VT
1 C2015
PARK BRAKE SWITCH
1) Released
2) Applied
151-25
151-26
151-27
2 C2015
GD133 BK
S326
GD133 BK
G300
10-7

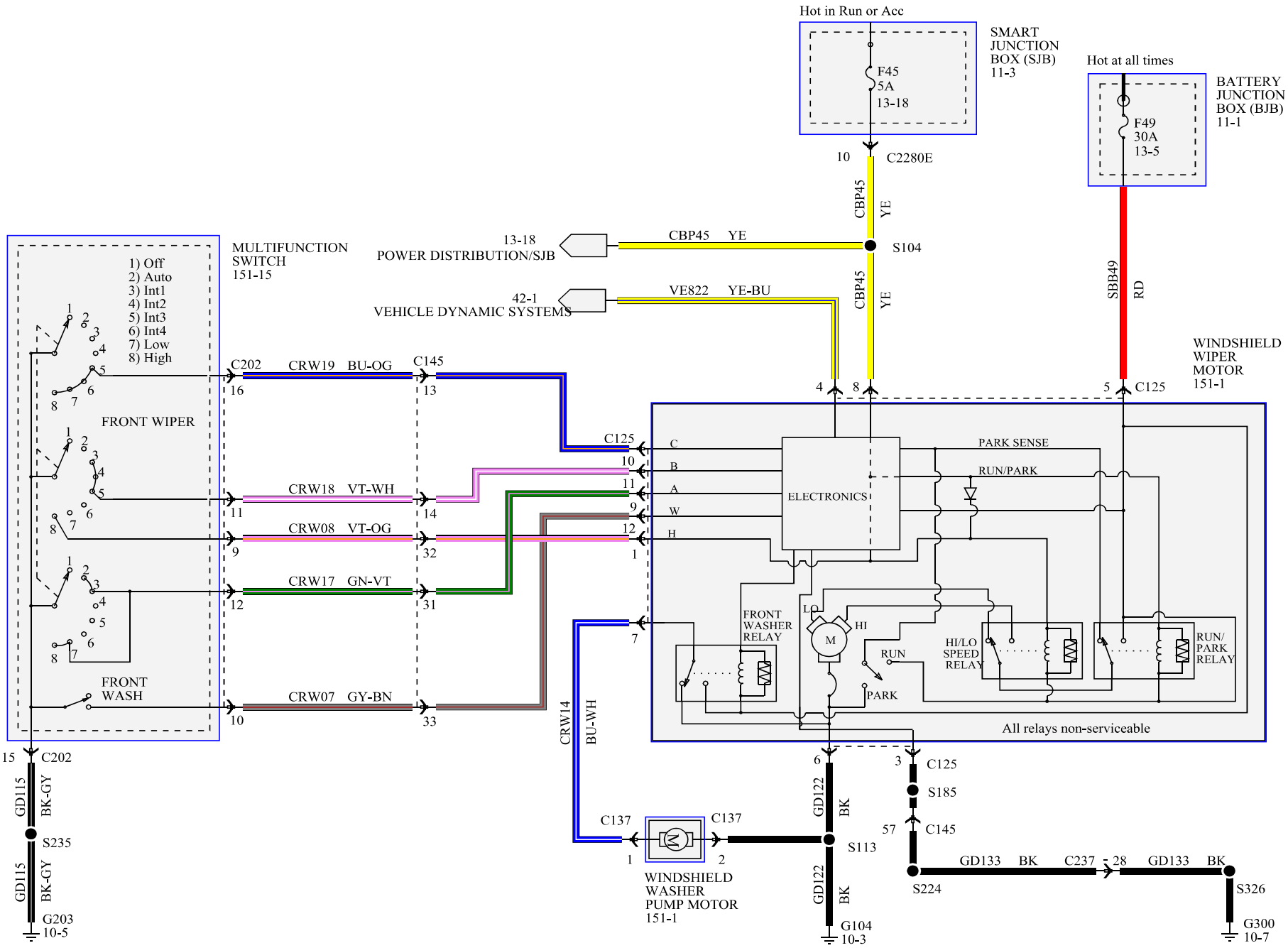

4X4
CONTROL
MODULE
34-2
4H LAMP
4L LAMP
C281A
12
11
4X4 W/ESOF
SHIFT INTERLOCK
37-1
CET52 GN
C220
26
CCF22 BU-OG
CCF06 BU-GN
S209
S205
2
3
INSTRUMENT
CLUSTER (IC)
151-13
PARK DETECT
4X4 HIGH
4X4 LOW
Gasoline
Manual Diesel
Auto Diesel
C1177
C146
C1019
C1010
C211
1
6
6
23
22
7
7
22
16
4X4 HIGH/LOW
INDICATOR
SWITCH
1) Low
2) Off
3) High
151-12
4X4 W/O ESOF
C140 - 5
CMC24 GY
15
18
OPS
Diesel
CE927 GN-OG
17
12
AIR FILTER MINDER SW
A C1210
AIR
FILTER
SENSOR
1) Replace
2) Normal
151-3
B C1210
CMC24 GY
C103
OIL
PRESSURE
SWITCH
1) Normal
2) Low
151-4
151-6
151-8
GD122 BK
S113
G104
10-3

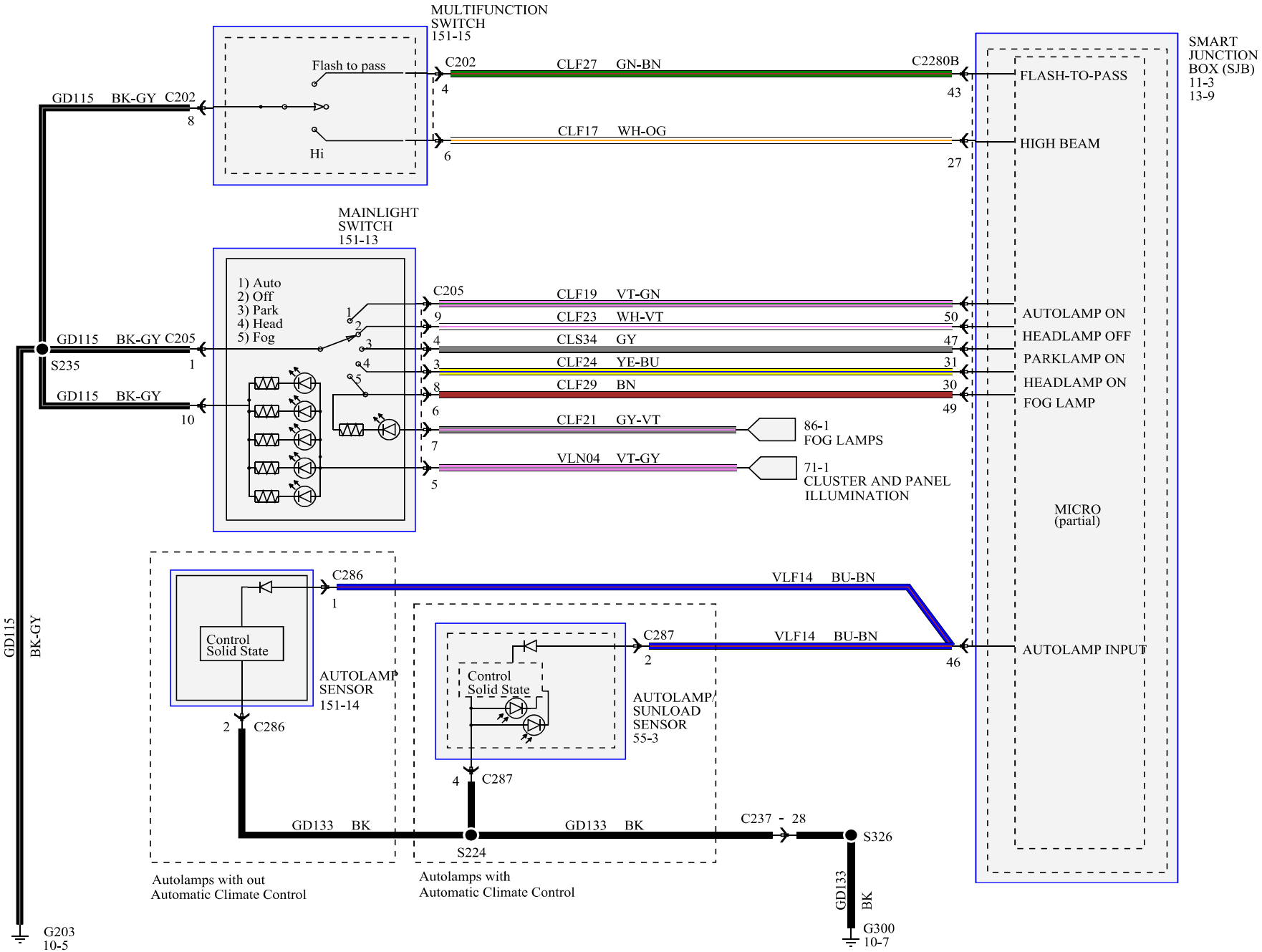

MULTIFUNCTION SWITCH 151-15
Flash to pass
Hi
GD115 BK-GY C202
8
C202
4
CLF27 GN-BN
C2280B
43
CLF17 WH-OG
6
27
SMART JUNCTION BOX (SJB) 11-3 13-19
FLASH-TO-PASS
HIGH BEAM
MAINLIGHT SWITCH 151-13
1) Auto
2) Off
3) Park
4) Head
5) Fog
GD115 BK-GY C205
S235
1
GD115 BK-GY
10
C205
9
CLF19 VT-GN
CLF23 WH-VT
50
4
CLS34 GY
47
3
CLF24 YE-BU
31
8
CLF29 BN
30
6
49
CLF21 GY-VT
7
86-1
FOG LAMPS
VLN04 VT-GY
A
5
71-2
CLUSTER AND PANEL ILLUMINATION
AUTOLAMP ON
HEADLAMP OFF
PARKLAMP ON
HEADLAMP ON
FOG LAMP
MICRO (partial)
INSTRUMENT PANEL DIMMER SWITCH 151-13
1)OFF
2)ON
Dome
Lt
DIM
Dk
C2065
4
RLN29 WH-OG
33
DIM SW GND
2
CLN28 GN-BU
51
DOME LP
6
VLN18 BU-WH
S214
VLN18 BU-WH
34
DIMMER SW
1
VLN18 BU-WH
GD115 BK-GY
G203 10-5

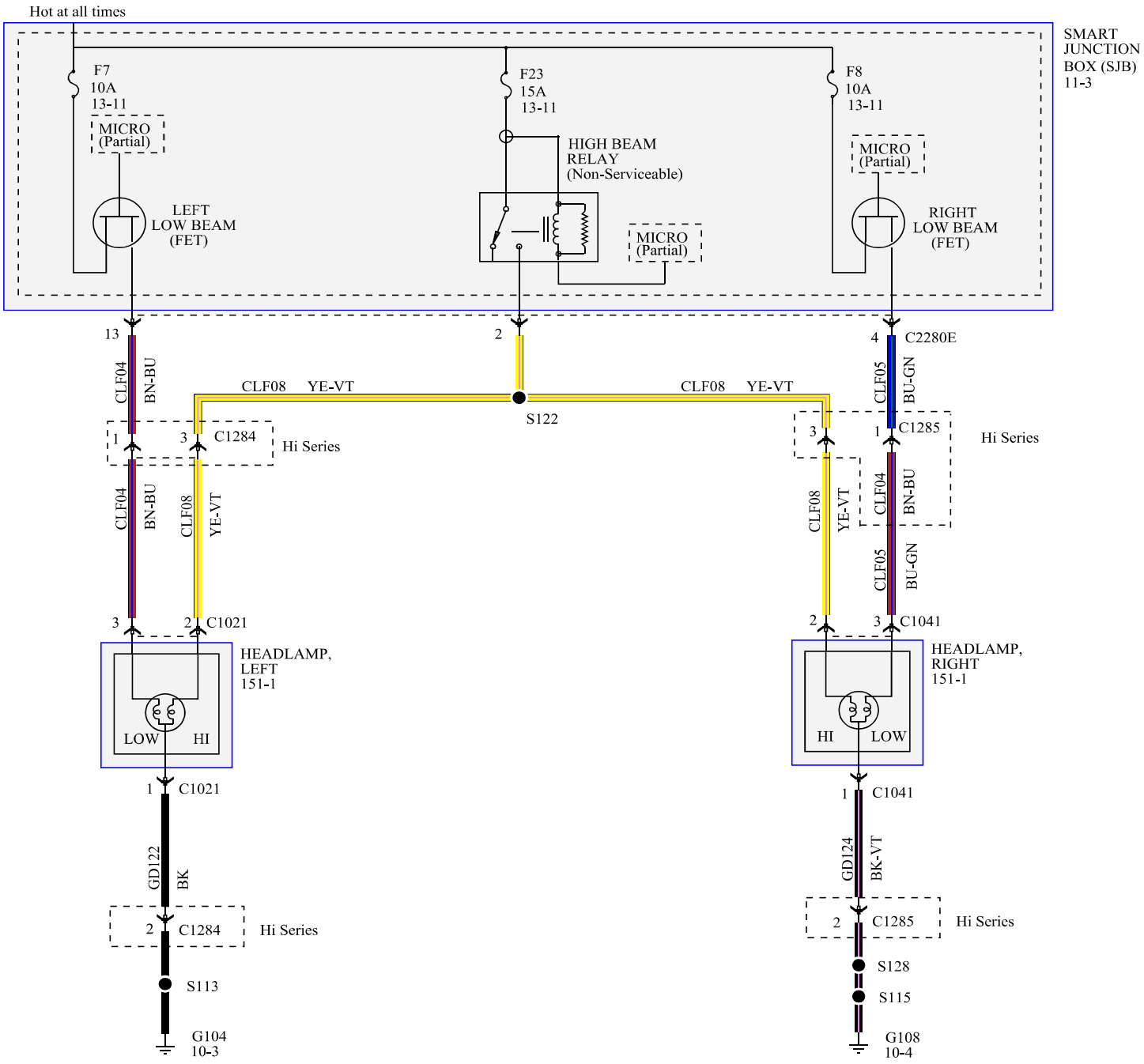

Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F10 15A 13-10
MICRO (partial)
BACKLIGHTING LED (FET)
39 C2280B
VLN04 VT-GY
A 71-1
CLUSTER AND PANEL ILLUMINATION
B 71-3
CLUSTER AND PANEL ILLUMINATION
C 71-3
CLUSTER AND PANEL ILLUMINATION
D 71-3
CLUSTER AND PANEL ILLUMINATION
S220
4 C2060
POWER SLIDING REAR WINDOW SWITCH 100-4
1 C2060
3 C2085
PARKING AID DISABLE SWITCH 131-1
2 C2085
3 C280
TRACTION CONTROL SWITCH 42-2 42-3
2 C280
4 C284
FOUR-WHEEL DRIVE SWITCH 34-1
1 C284
3 C2089
ADJUSTABLE PEDAL SWITCH 127-1
4 C2089
20 C212
4 C264
5 C912
ROOF PANEL OPENING SWITCH 101-1
3 C912
1 C265
MESSAGE CENTER MODULE SWITCH 60-1
4 C265
GD115 BK-GY
S225
S235
S247
S910
C237 - 29
C264 - 12
G203 10-5 10-6

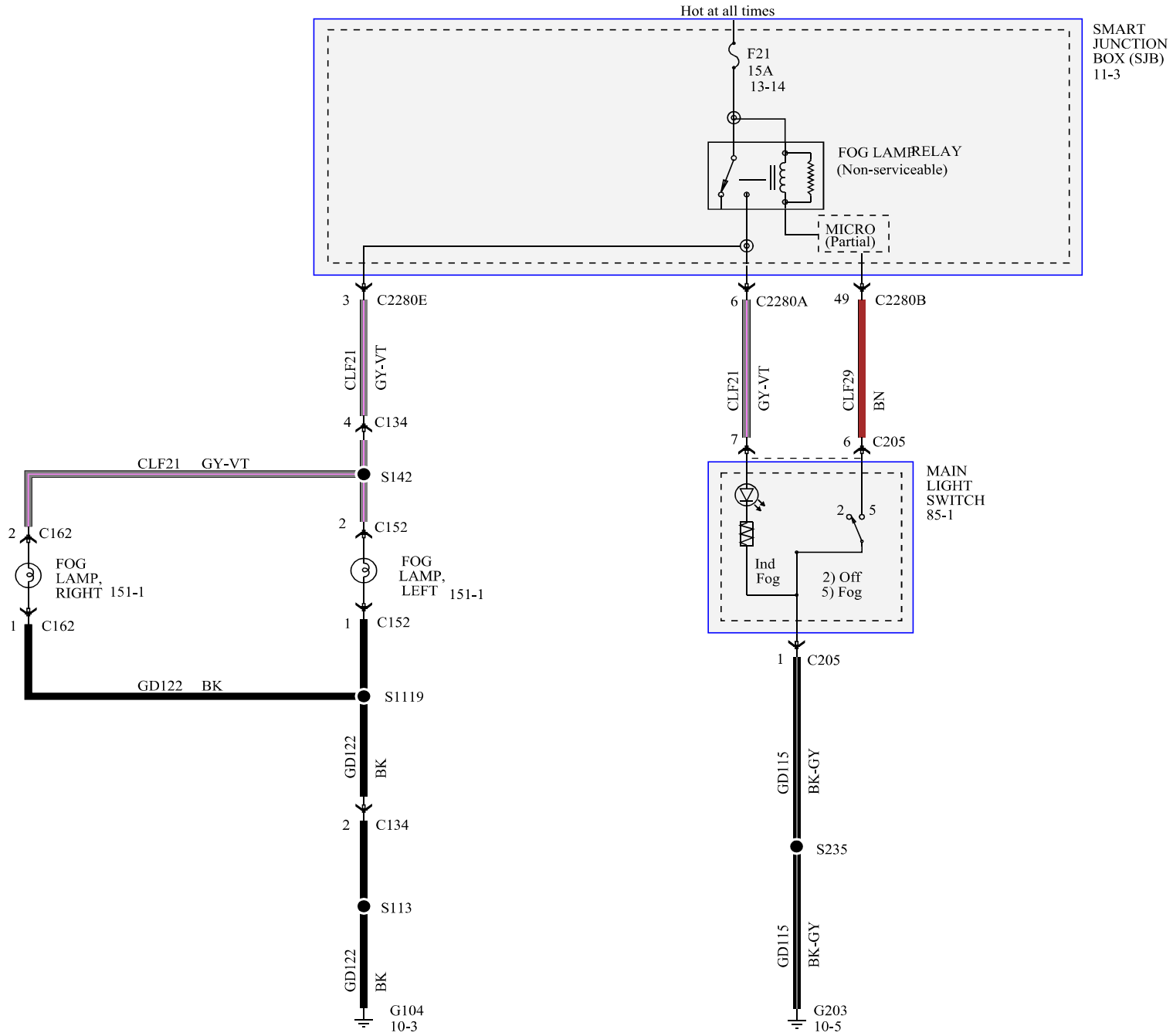

CLOCKSPRING
44-1
C218B
C218A
RD-BK
RD-BK
7
16
VLN04 VT-GY
B
71-2
CLUSTER AND PANEL ILLUMINATIC
VLN04 VT-GY
C
71-2
CLUSTER AND PANEL ILLUMINATIC
VLN04 VT-GY
D
71-2
CLUSTER AND PANEL ILLUMINATIC
4 C203
STEERING WHEEL/
SPEED CONTROL
SWITCH
31-1
1.0k
1.1k
3 C203
6 C2208
AUDIO/CLIMATE
CONTROL
SWITCH
130-8
1.1k
1.0k
1 C2208
GN-OG
GN-OG
4
5
1 C215
VLN04
VT-GY
2 C2300
UPFITTER
SWITCH
140-1
3 C2300
GD116
BK-VT
S249
GD116
BK-VT
G204
10-5
Base Audio
3 C240A
AUDIO
CONTROL
MODULE (ACM)
130-1
4 C240A
GD115
BK-GY
S225
GD115
BK-GY
G203
10-6
GD116
BK-VT
S239
GD116
BK-VT
G202
10-4

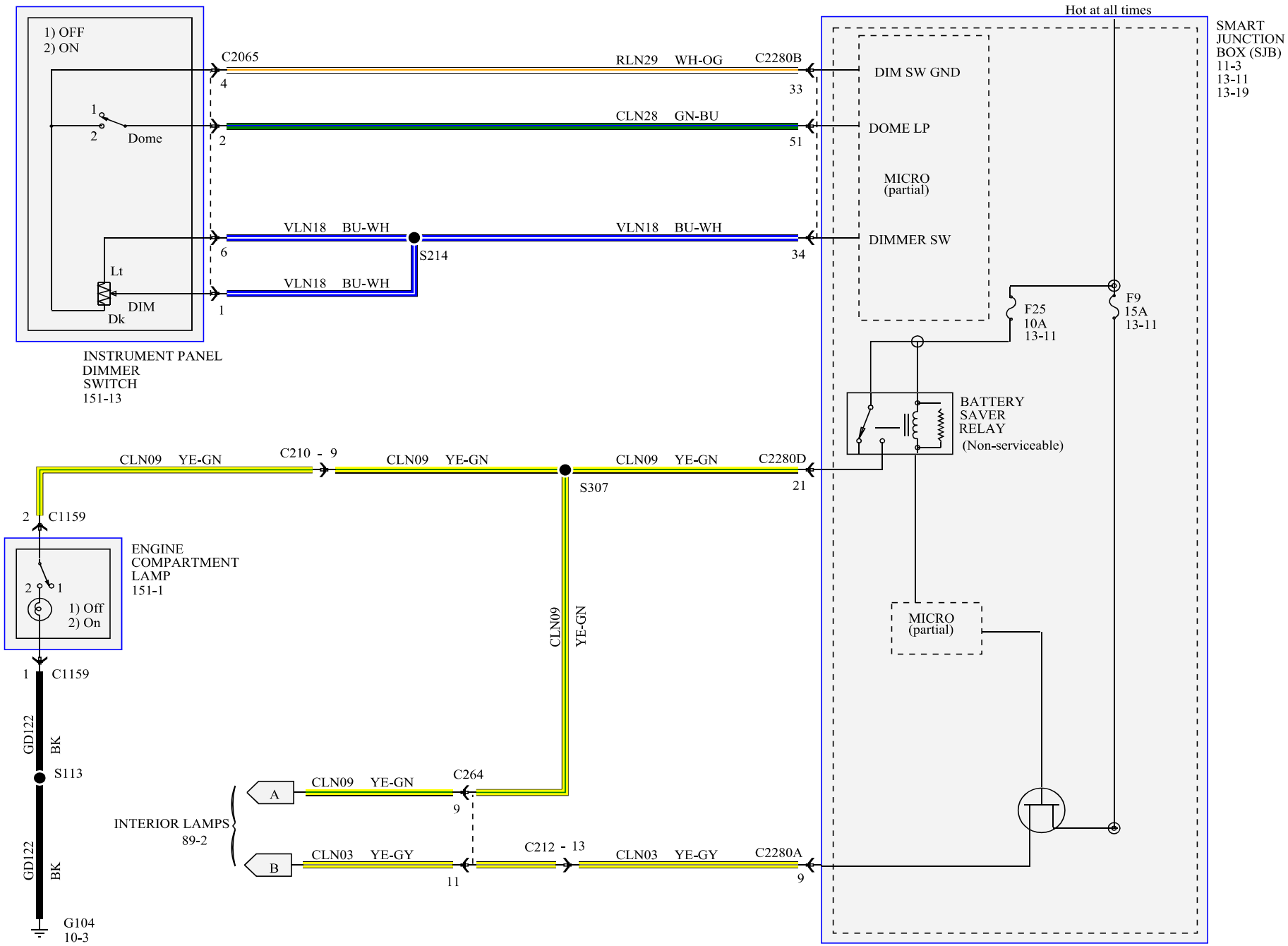

Hot at all times
SMART JUNCTION BOX (SJB) 11-3
30
86
87
85
ACCESSORY DELAY RELAY
F41
15A
13-15
MICRO (Partial)
16
C2280D
CBP41
BU
CBP41 BU
CBP41 BU
S301
24
C655
2
C264
29
C555
CBP41
BU
CBP41
BU
CBP41
BU
2
C605
1
C911
2
C505
DOOR LOCK SWITCH, PASSENGER SIDE 110-1 117-1
ELECTROCHROMATIC INSIDE MIRROR UNIT 124-7 124-8
DOOR LOCK SWITCH, DRIVER SIDE 110-1
4
C605
4
C505
GD179
BK-VT
GD179
BK-VT
C655 - 35
GD179 BK-VT
GD179 BK-VT
C555 - 35
GD179 BK-VT
S639
S308
S323
S501
G302
10-9

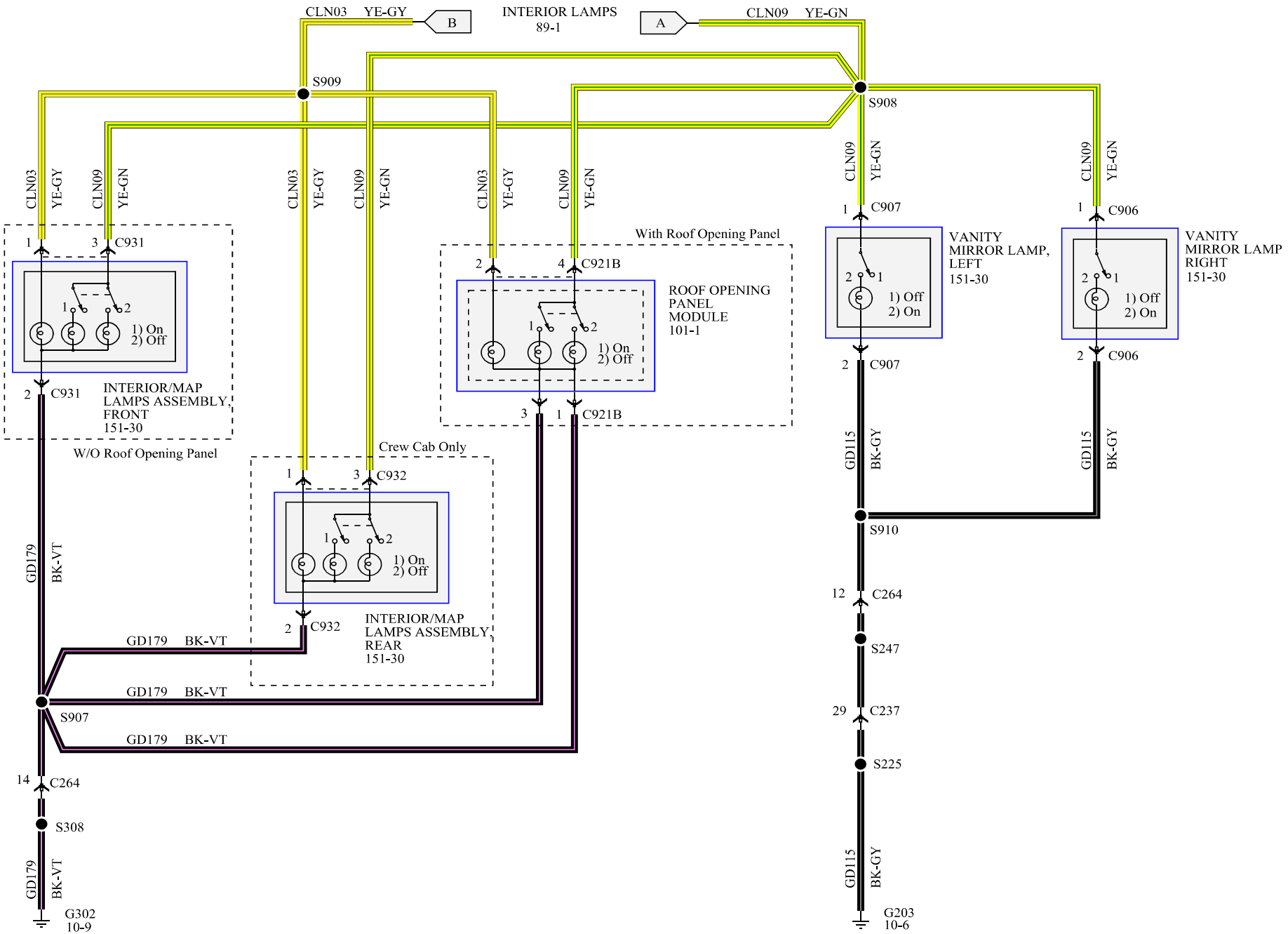

Hot in Run or Acc
SMART JUNCTION BOX (SJB) 11-3
F45 5A 13-18
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F49 30A 13-5
10 C2280E
CBP45 YE
SBB49 RD
13-18 POWER DISTRIBUTION/SJB
CBP45 YE
S104
42-1 VEHICLE DYNAMIC SYSTEMS
VE822 YE-BU
MULTIFUNCTION SWITCH 151-15
1) Off
2) Auto
3) Int1
4) Int2
5) Int3
6) Int4
7) Low
8) High
FRONT WIPER
FRONT WASH
C202
C145
CRW19 BU-OG
CRW18 VT-WH
CRW08 VT-OG
CRW17 GN-VT
CRW07 GY-BN
WINDSHIELD WIPER MOTOR 151-1
C125
ELECTRONICS
PARK SENSE
RUN/PARK
FRONT WASHER RELAY
HI/LO SPEED RELAY
RUN/PARK RELAY
LO
HI
RUN
PARK
All relays non-serviceable
CRW14 BU-WH
C137
WINDSHIELD WASHER PUMP MOTOR 151-1
GD115 BK-GY
S235
G203 10-5
GD122 BK
S113
G104 10-3
S185
S224
GD133 BK
C237
S326
G300 10-7

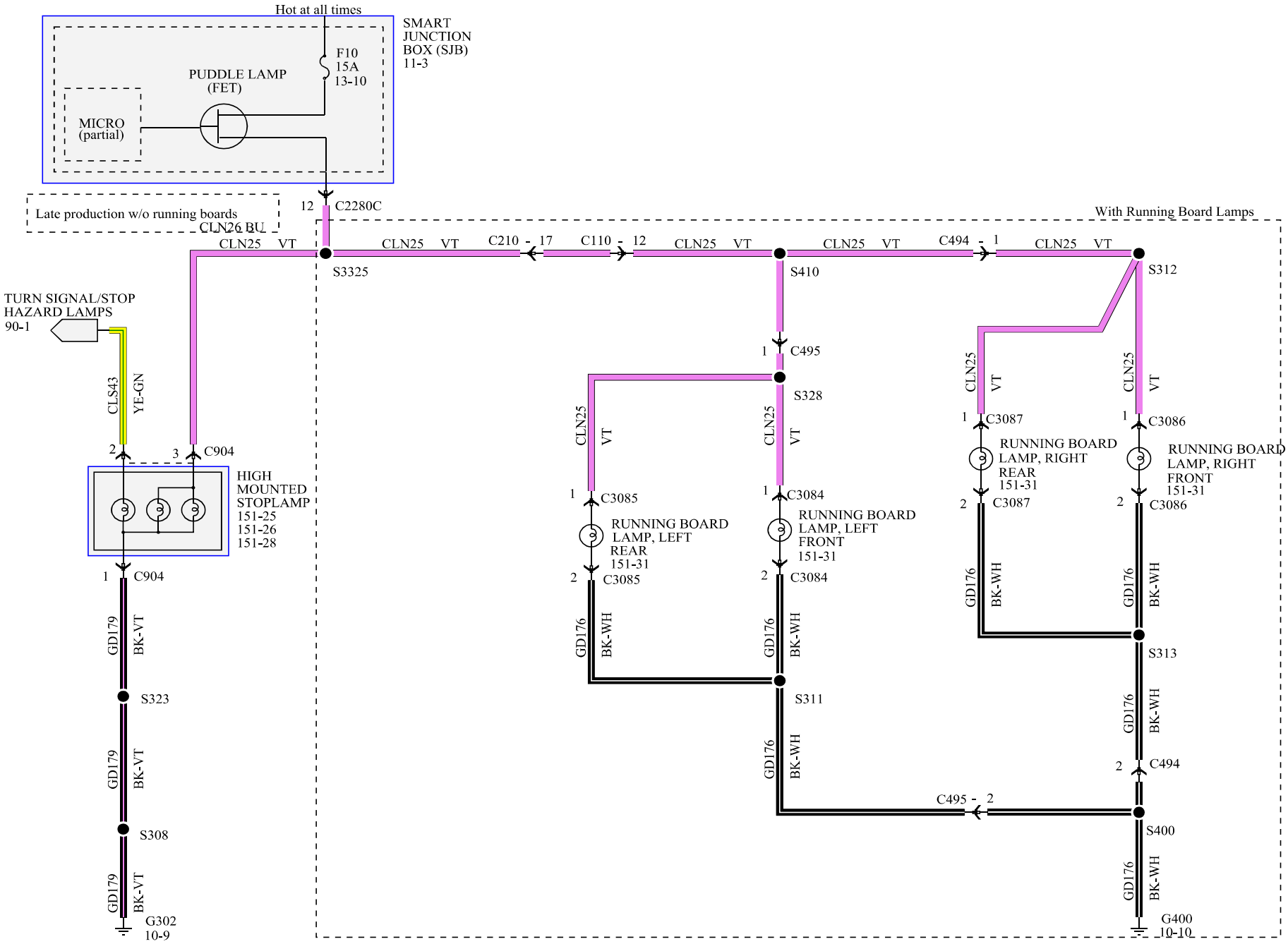

MULTIFUNCTION SWITCH 151-15
Flash to pass
Hi
GD115 BK-GY C202
8
C202
4
6
CLF27 GN-BN
CLF17 WH-OG
C2280B
43
27
SMART JUNCTION BOX (SJB) 11-3 13-9
FLASH-TO-PASS
HIGH BEAM
MAINLIGHT SWITCH 151-13
1) Auto
2) Off
3) Park
4) Head
5) Fog
GD115 BK-GY C205
S235
1
GD115 BK-GY
10
C205
9
4
3
8
6
7
5
CLF19 VT-GN
CLF23 WH-VT
CLS34 GY
CLF24 YE-BU
CLF29 BN
CLF21 GY-VT
VLN04 VT-GY
50
47
31
30
49
AUTOLAMP ON
HEADLAMP OFF
PARKLAMP ON
HEADLAMP ON
FOG LAMP
86-1 FOG LAMPS
71-1 CLUSTER AND PANEL ILLUMINATION
MICRO (partial)
GD115 BK-GY
G203 10-5
C286
1
2
Control Solid State
AUTOLAMP SENSOR 151-14
VLF14 BU-BN
C287
2
4
AUTOLAMP/ SUNLOAD SENSOR 55-3
46
AUTOLAMP INPUT
GD133 BK
S224
C237 - 28
S326
GD133 BK
G300 10-7
Autolamps with out Automatic Climate Control
Autolamps with Automatic Climate Control

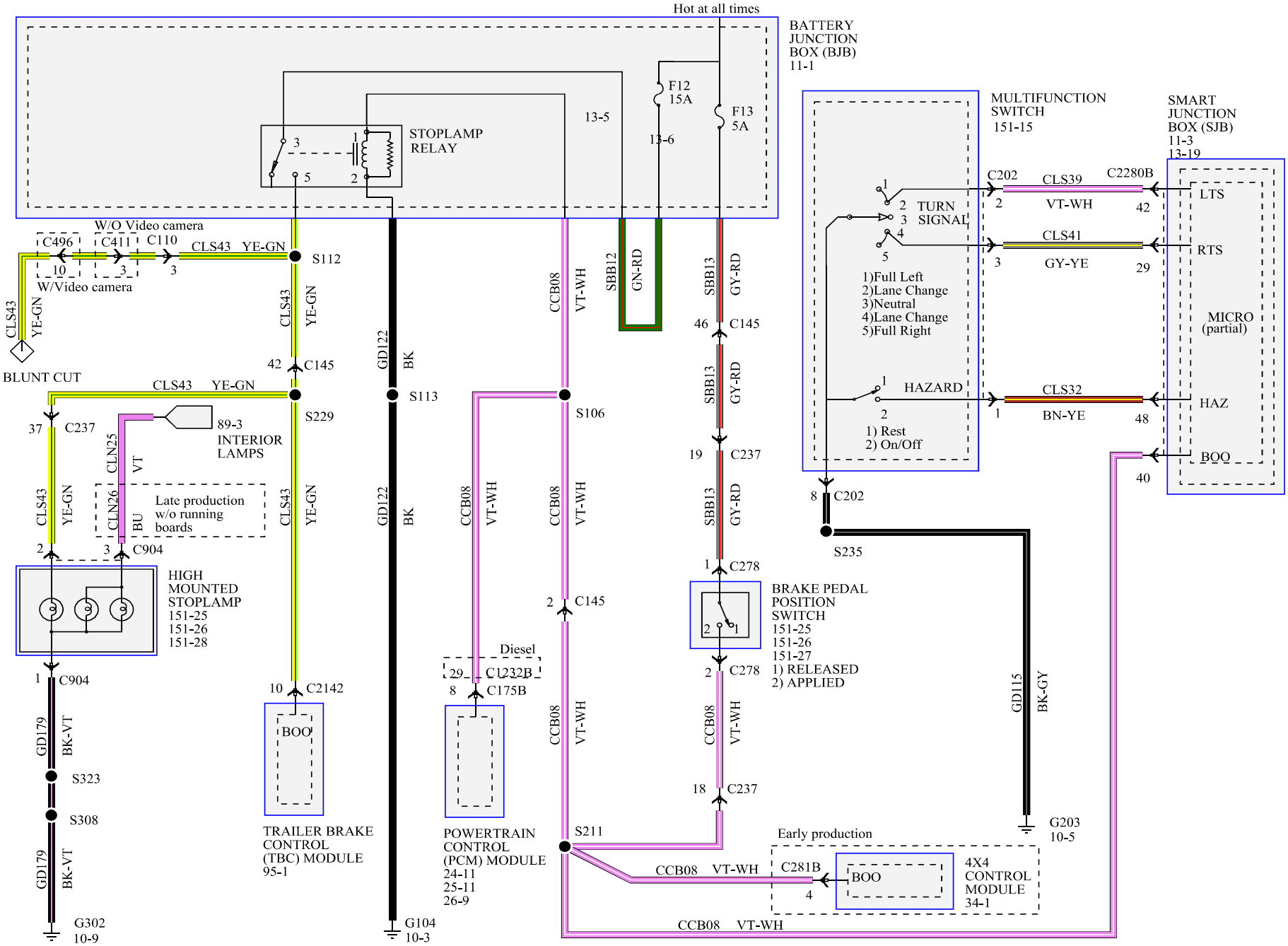

Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F7 10A 13-11
MICRO (Partial)
LEFT LOW BEAM (FET)
F23 15A 13-11
HIGH BEAM RELAY (Non-Serviceable)
MICRO (Partial)
F8 10A 13-11
MICRO (Partial)
RIGHT LOW BEAM (FET)
13
2
4
C2280E
CLF04
BN-BU
CLF08
YE-VT
CLF08
YE-VT
S122
CLF05
BU-GN
1
3
C1284
Hi Series
3
1
C1285
Hi Series
CLF04
BN-BU
CLF08
YE-VT
CLF08
YE-VT
CLF04
BN-BU
CLF05
BU-GN
3
2
C1021
2
3
C1041
HEADLAMP, LEFT 151-1
LOW
HI
HEADLAMP, RIGHT 151-1
HI
LOW
1
C1021
1
C1041
GD122
BK
GD124
BK-VT
2
C1284
Hi Series
2
C1285
Hi Series
S113
S128
S115
G104 10-3
G108 10-4

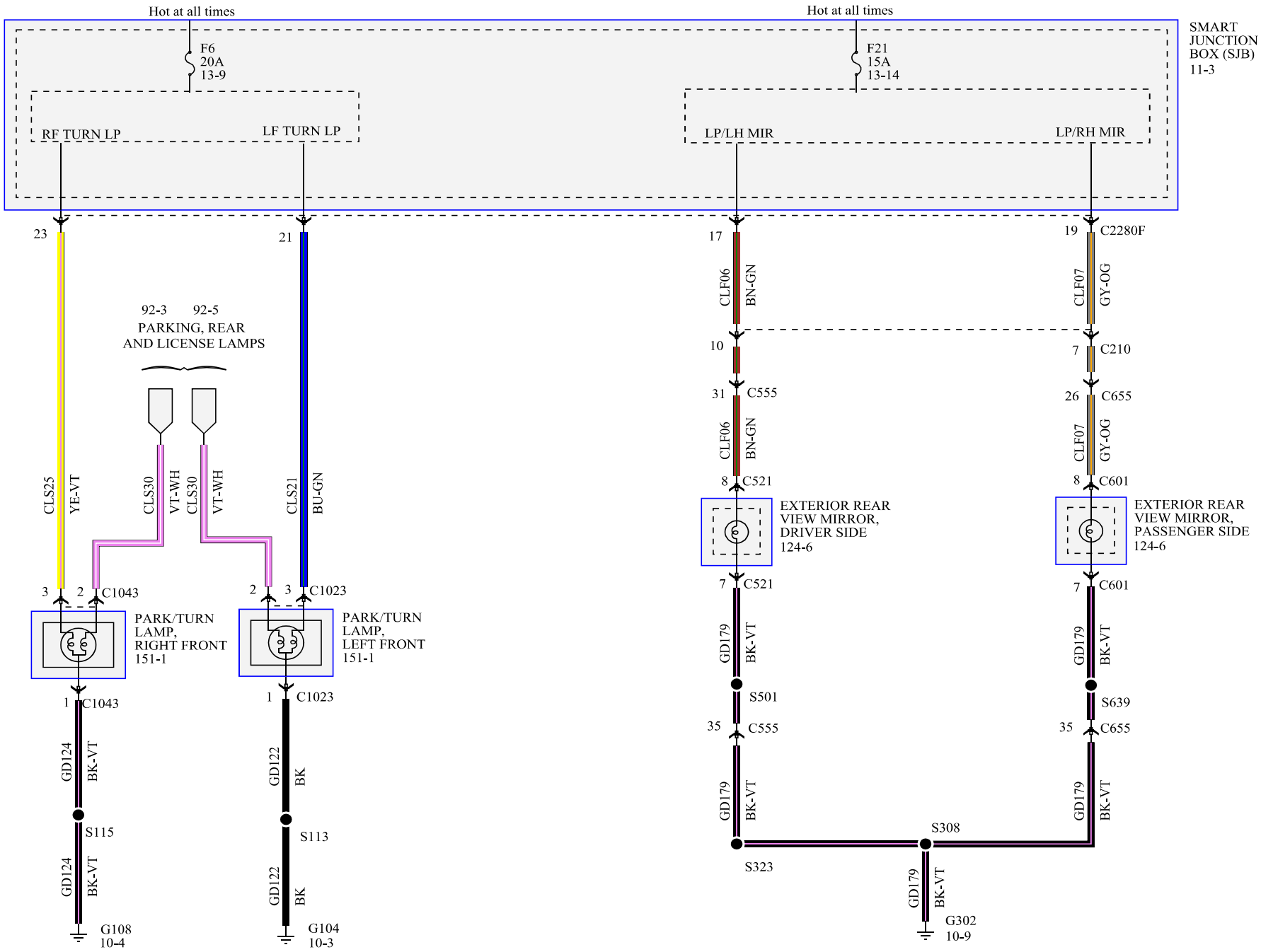

Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F21 15A 13-14
FOG LAMP RELAY (Non-serviceable)
MICRO (Partial)
3 C2280E
6 C2280A
49 C2280B
CLF21 GY-VT
CLF21 GY-VT
CLF29 BN
4 C134
7
6 C205
CLF21 GY-VT
S142
MAIN LIGHT SWITCH 85-1
2 5
Ind Fog
2) Off
5) Fog
2 C162
2 C152
FOG LAMP, RIGHT 151-1
FOG LAMP, LEFT 151-1
1 C162
1 C152
1 C205
GD122 BK
S1119
GD115 BK-GY
GD122 BK
2 C134
S235
S113
GD115 BK-GY
GD122 BK
G104 10-3
G203 10-5

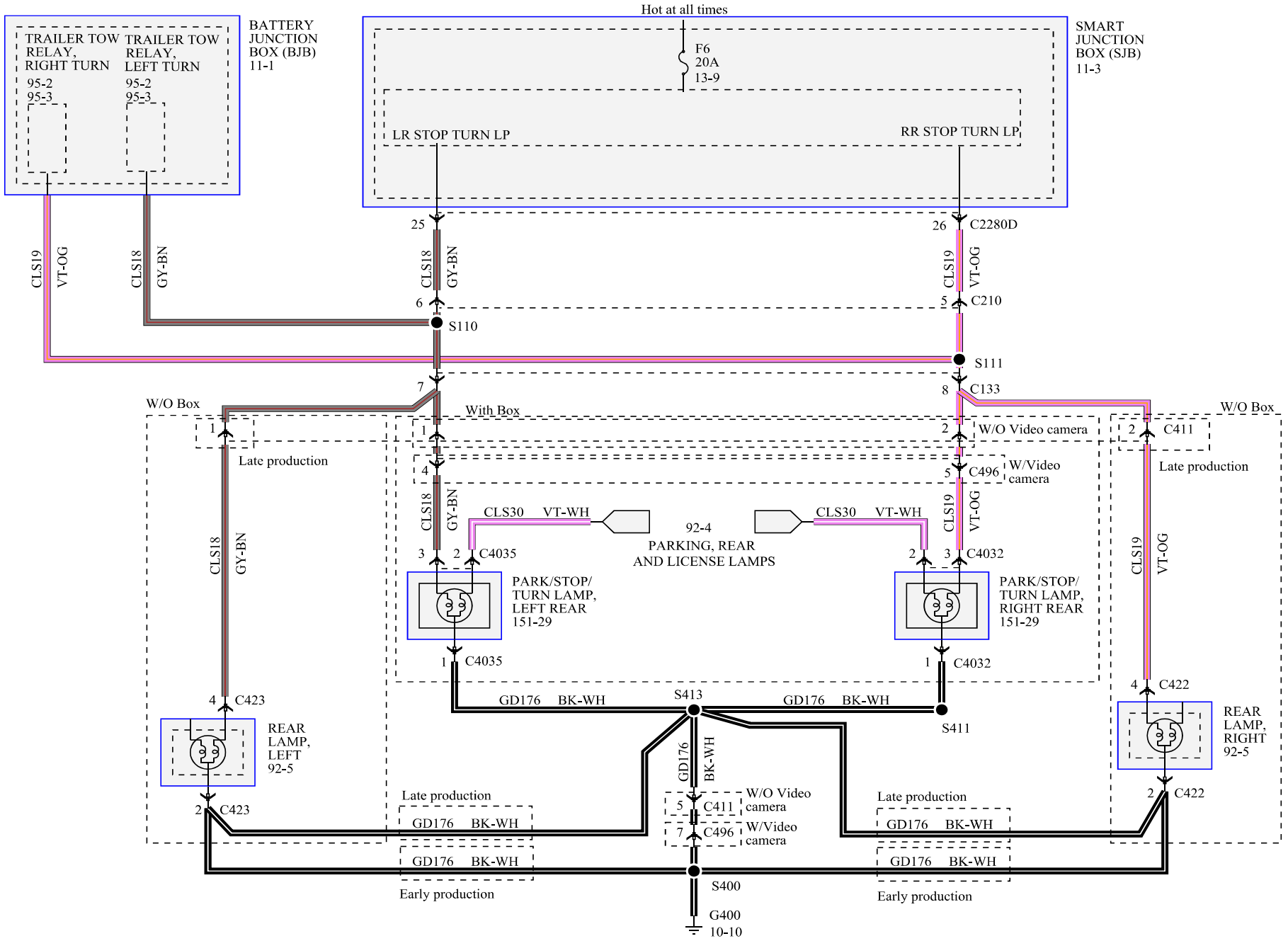

1) OFF
2) ON
1
2
Dome
Lt
DIM
Dk
INSTRUMENT PANEL DIMMER SWITCH
151-13
C2065
4
RLN29 WH-OG
C2280B
33
CLN28 GN-BU
2
51
VLN18 BU-WH
6
S214
VLN18 BU-WH
34
VLN18 BU-WH
1
Hot at all times
SMART JUNCTION BOX (SJB)
11-3
13-11
13-19
DIM SW GND
DOME LP
MICRO (partial)
DIMMER SW
F25
10A
13-11
F9
15A
13-11
BATTERY SAVER RELAY
(Non-serviceable)
CLN09 YE-GN
C210 - 9
CLN09 YE-GN
CLN09 YE-GN
C2280D
21
S307
2
C1159
ENGINE COMPARTMENT LAMP
151-1
2
1
1) Off
2) On
1
C1159
GD122
BK
S113
GD122
BK
G104
10-3
CLN09
YE-GN
MICRO (partial)
A
CLN09 YE-GN
C264
9
INTERIOR LAMPS
89-2
B
CLN03 YE-GY
11
C212 - 13
CLN03 YE-GY
C2280A
9

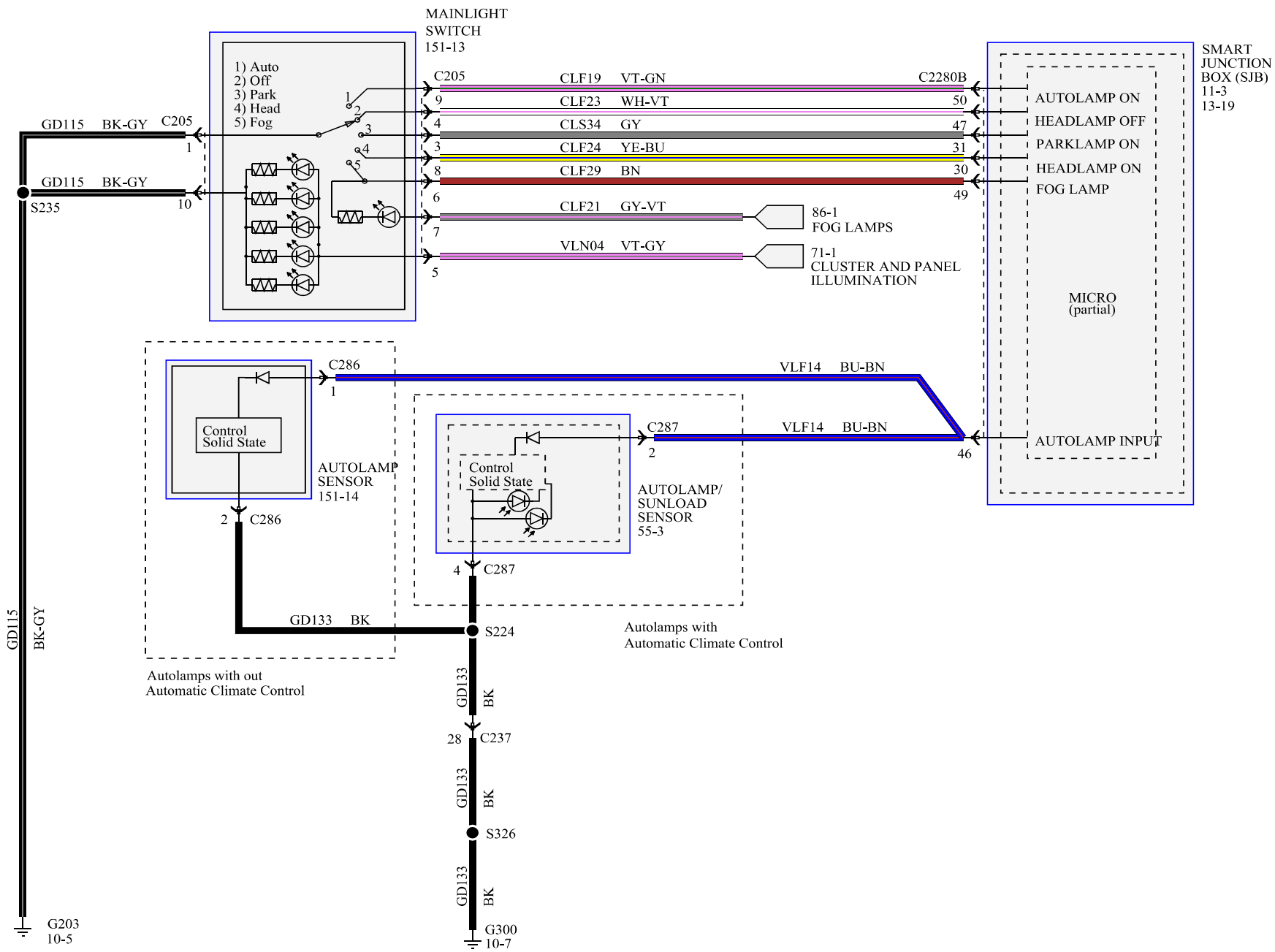

CLN03 YE-GY
B
INTERIOR LAMPS
89-1
A
CLN09 YE-GN
S909
S908
CLN03 YE-GY
CLN09 YE-GN
1
3 C931
1) On
2) Off
2 C931
INTERIOR/MAP
LAMPS ASSEMBLY,
FRONT
151-30
W/O Roof Opening Panel
With Roof Opening Panel
2
4 C921B
ROOF OPENING
PANEL
MODULE
101-1
3 1 C921B
Crew Cab Only
1
3 C932
2 C932
INTERIOR/MAP
LAMPS ASSEMBLY,
REAR
151-30
1 C907
VANITY
MIRROR LAMP,
LEFT
151-30
2 C907
1 C906
VANITY
MIRROR LAMP
RIGHT
151-30
2 C906
GD115 BK-GY
S910
12 C264
S247
29 C237
S225
G203
10-6
GD179 BK-VT
S907
14 C264
S308
G302
10-9

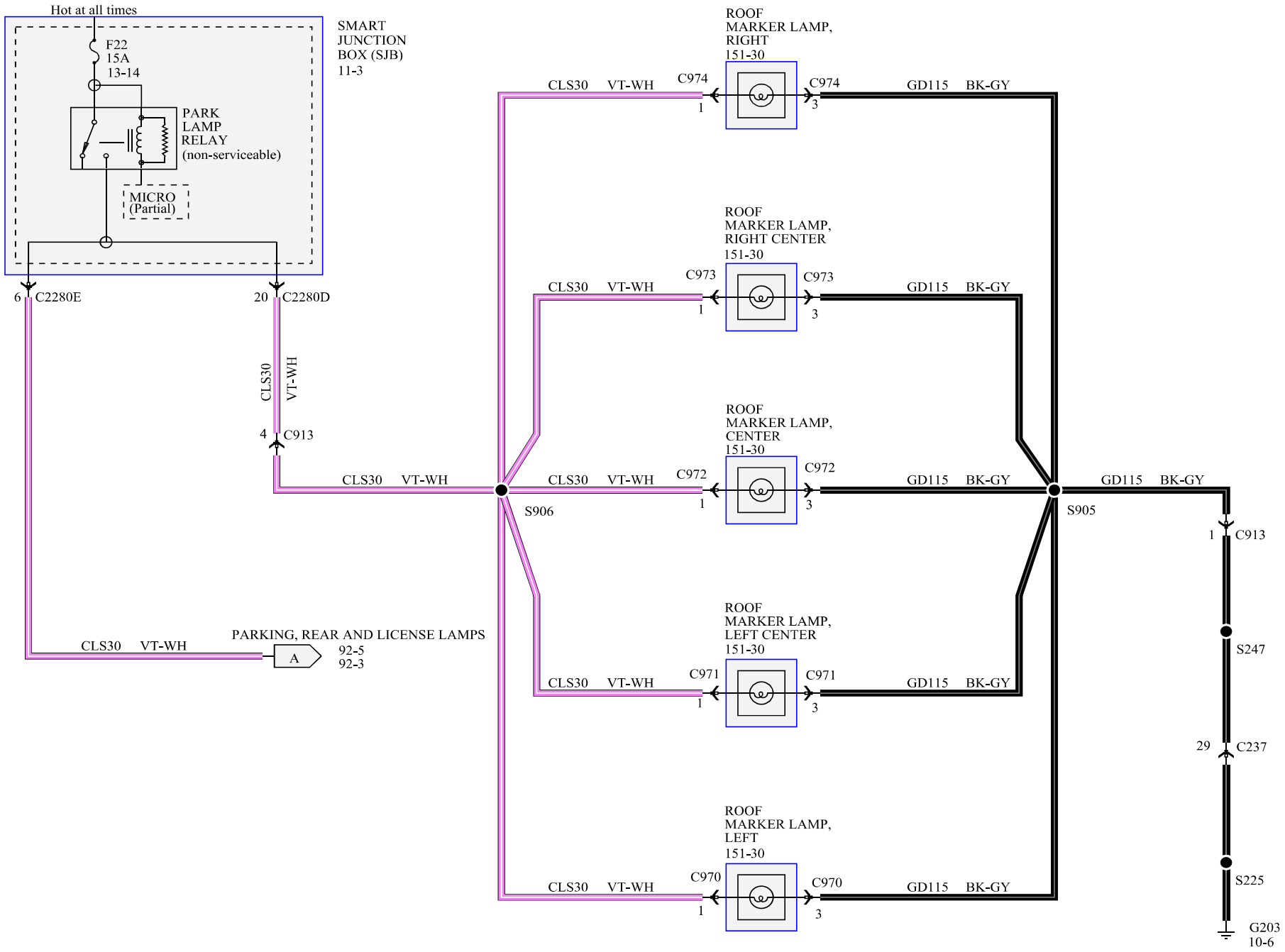

Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F10 15A 13-10
PUDDLE LAMP (FET)
MICRO (partial)
12 C2280C
Late production w/o running boards
CLN26 BU
With Running Board Lamps
CLN25 VT
S3325
C210 17
C110 12
S410
C494 1
S312
TURN SIGNAL/STOP HAZARD LAMPS 90-1
CLS43 YE-GN
2
3 C904
HIGH MOUNTED STOPLAMP 151-25 151-26 151-28
1 C904
GD179 BK-VT
S323
S308
G302 10-9
1 C495
S328
1 C3085
RUNNING BOARD LAMP, LEFT REAR 151-31
2 C3085
1 C3084
RUNNING BOARD LAMP, LEFT FRONT 151-31
2 C3084
GD176 BK-WH
S311
1 C3087
RUNNING BOARD LAMP, RIGHT REAR 151-31
2 C3087
1 C3086
RUNNING BOARD LAMP, RIGHT FRONT 151-31
2 C3086
S313
2 C494
C495 2
S400
G400 10-10

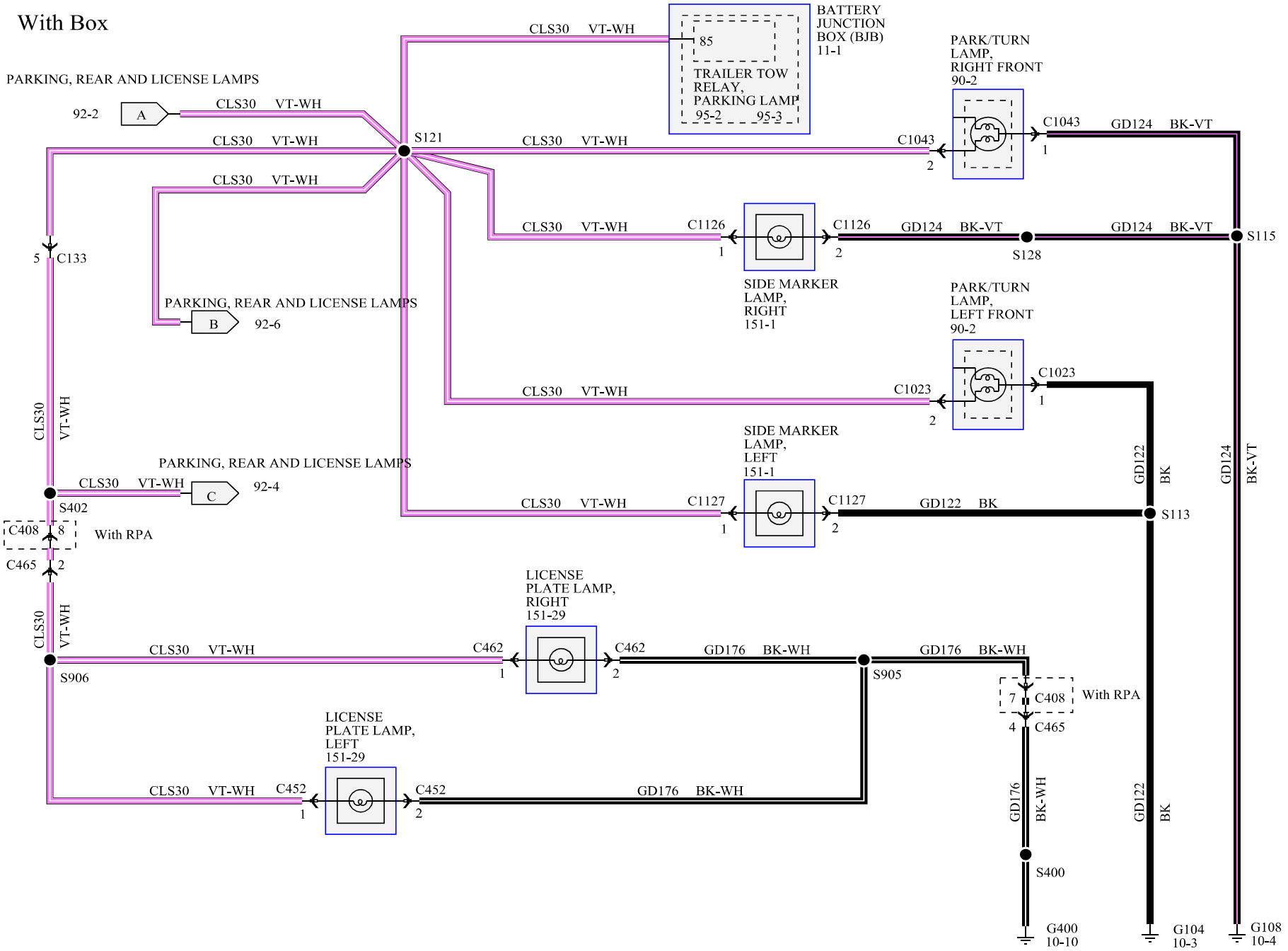

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F12 15A
F13 5A
13-5
13-6
STOPLAMP RELAY
MULTIFUNCTION SWITCH 151-15
SMART JUNCTION BOX (SJB) 11-3 13-19
C202
CLS39
C2280B
VT-WH
LTS
TURN SIGNAL
CLS41
GY-YE
RTS
1)Full Left
2)Lane Change
3)Neutral
4)Lane Change
5)Full Right
MICRO (partial)
HAZARD
CLS32
BN-YE
HAZ
1) Rest
2) On/Off
BOO
W/O Video camera
C496
C411
C110
CLS43 YE-GN
S112
W/Video camera
BLUNT CUT
C145
S229
S113
GD122 BK
CCB08 VT-WH
SBB12 GN-RD
SBB13 GY-RD
S106
C237
89-3 INTERIOR LAMPS
CLN25 VT
CLN26 BU
Late production w/o running boards
C904
HIGH MOUNTED STOPLAMP 151-25 151-26 151-28
GD179 BK-VT
S323
S308
G302 10-9
C2142
TRAILER BRAKE CONTROL (TBC) MODULE 95-1
Diesel
C1232B
C175B
POWERTRAIN CONTROL (PCM) MODULE 24-11 25-11 26-9
G104 10-3
C278
BRAKE PEDAL POSITION SWITCH 151-25 151-26 151-27 1) RELEASED 2) APPLIED
S211
S235
GD115 BK-GY
G203 10-5
Early production
C281B
4X4 CONTROL MODULE 34-1


Hot at all times
F6
20A
13-9
RF TURN LP
LF TURN LP
Hot at all times
F21
15A
13-14
LP/LH MIR
LP/RH MIR
SMART JUNCTION BOX (SJB)
11-3
23
21
17
19
C2280F
CLF06
BN-GN
CLF07
GY-OG
92-3 92-5
PARKING, REAR AND LICENSE LAMPS
10
7
C210
31
C555
26
C655
CLF06
BN-GN
CLF07
GY-OG
8
C521
8
C601
CLS25
YE-VT
CLS30
VT-WH
CLS30
VT-WH
CLS21
BU-GN
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE
124-6
EXTERIOR REAR VIEW MIRROR, PASSENGER SIDE
124-6
3
2
C1043
2
3
C1023
7
C521
7
C601
PARK/TURN LAMP, RIGHT FRONT
151-1
PARK/TURN LAMP, LEFT FRONT
151-1
GD179
BK-VT
GD179
BK-VT
1
C1043
1
C1023
S501
S639
35
C555
35
C655
GD124
BK-VT
GD122
BK
GD179
BK-VT
GD179
BK-VT
S115
S113
S308
S323
GD124
BK-VT
GD122
BK
GD179
BK-VT
G108
10-4
G104
10-3
G302
10-9

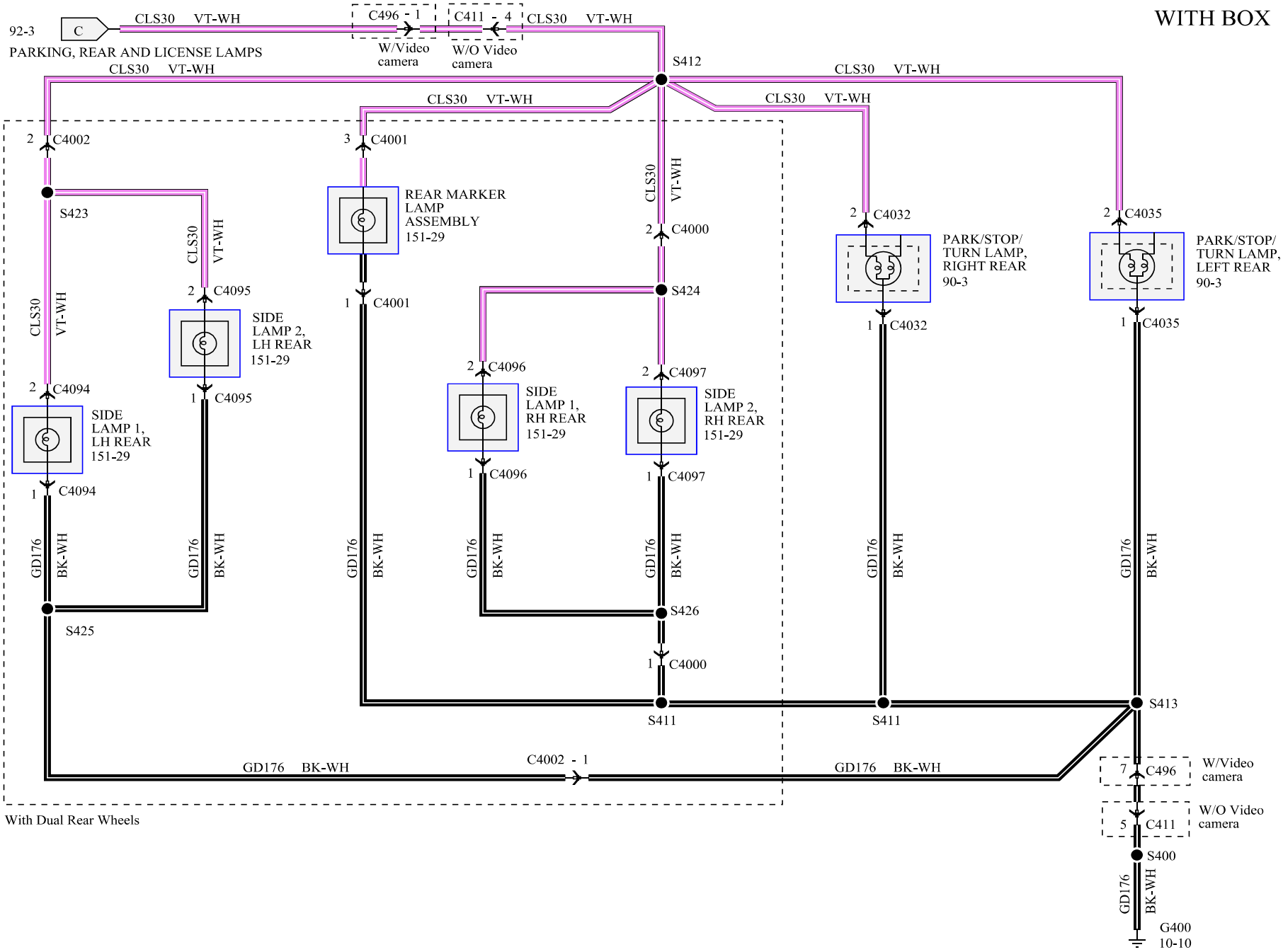

TRAILER TOW RELAY, RIGHT TURN
95-2
95-3
TRAILER TOW RELAY, LEFT TURN
95-2
95-3
BATTERY JUNCTION BOX (BJB)
11-1
Hot at all times
F6
20A
13-9
SMART JUNCTION BOX (SJB)
11-3
LR STOP TURN LP
RR STOP TURN LP
25
26
C2280D
CLS19
VT-OG
CLS18
GY-BN
6
5
C210
S110
S111
7
8
C133
W/O Box
With Box
W/O Box
1
2
W/O Video camera
2
C411
Late production
4
5
C496
W/Video camera
CLS30
VT-WH
92-4
PARKING, REAR AND LICENSE LAMPS
3
2
C4035
C4032
PARK/STOP/ TURN LAMP, LEFT REAR 151-29
PARK/STOP/ TURN LAMP, RIGHT REAR 151-29
1
C4035
C4032
GD176
BK-WH
S413
S411
4
C423
C422
REAR LAMP, LEFT 92-5
REAR LAMP, RIGHT 92-5
Late production
GD176 BK-WH
Early production
5
C411
W/O Video camera
7
C496
W/Video camera
S400
G400
10-10


MAINLIGHT
SWITCH
151-13
1) Auto
2) Off
3) Park
4) Head
5) Fog
C205
CLF19 VT-GN
CLF23 WH-VT
CLS34 GY
CLF24 YE-BU
CLF29 BN
CLF21 GY-VT
VLN04 VT-GY
C2280B
SMART
JUNCTION
BOX (SJB)
11-3
13-19
AUTOLAMP ON
HEADLAMP OFF
PARKLAMP ON
HEADLAMP ON
FOG LAMP
MICRO
(partial)
AUTOLAMP INPUT
86-1
FOG LAMPS
71-1
CLUSTER AND PANEL
ILLUMINATION
GD115 BK-GY
S235
C286
VLF14 BU-BN
C287
Control
Solid State
AUTOLAMP
SENSOR
151-14
AUTOLAMP/
SUNLOAD
SENSOR
55-3
GD133 BK
S224
Autolamps with out
Automatic Climate Control
Autolamps with
Automatic Climate Control
C237
S326
G203
10-5
G300
10-7

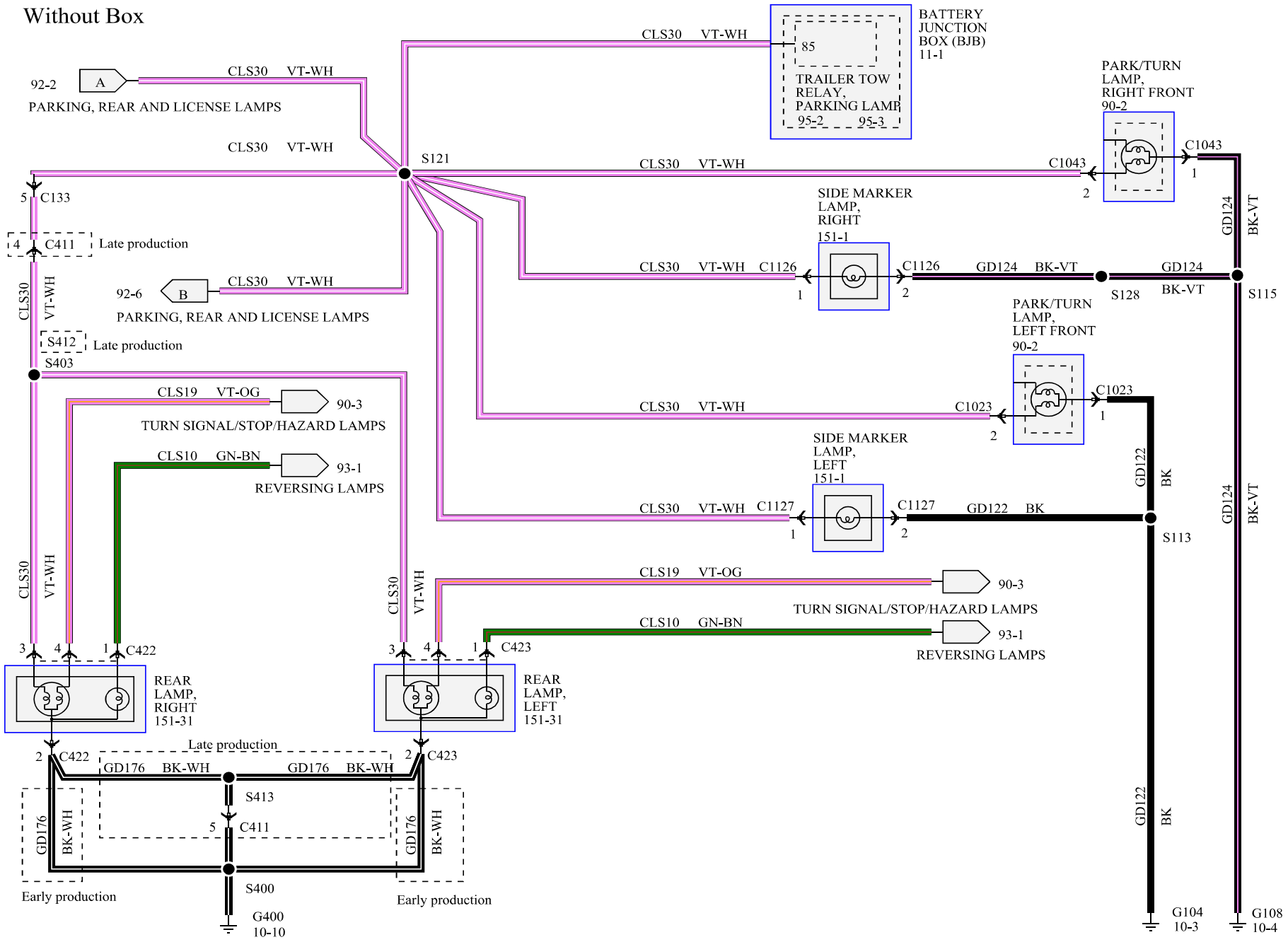

Hot at all times
F22
15A
13-14
PARK
LAMP
RELAY
(non-serviceable)
MICRO
(Partial)
SMART
JUNCTION
BOX (SJB)
11-3
6 C2280E
20 C2280D
CLS30 VT-WH
4 C913
CLS30 VT-WH
S906
CLS30 VT-WH
PARKING, REAR AND LICENSE LAMPS
A
92-5
92-3
ROOF
MARKER LAMP,
RIGHT
151-30
C974
1
C974
3
GD115 BK-GY
ROOF
MARKER LAMP,
RIGHT CENTER
151-30
C973
1
C973
3
GD115 BK-GY
ROOF
MARKER LAMP,
CENTER
151-30
C972
1
C972
3
GD115 BK-GY
ROOF
MARKER LAMP,
LEFT CENTER
151-30
C971
1
C971
3
GD115 BK-GY
ROOF
MARKER LAMP,
LEFT
151-30
C970
1
C970
3
GD115 BK-GY
S905
GD115 BK-GY
1 C913
S247
29 C237
S225
G203
10-6

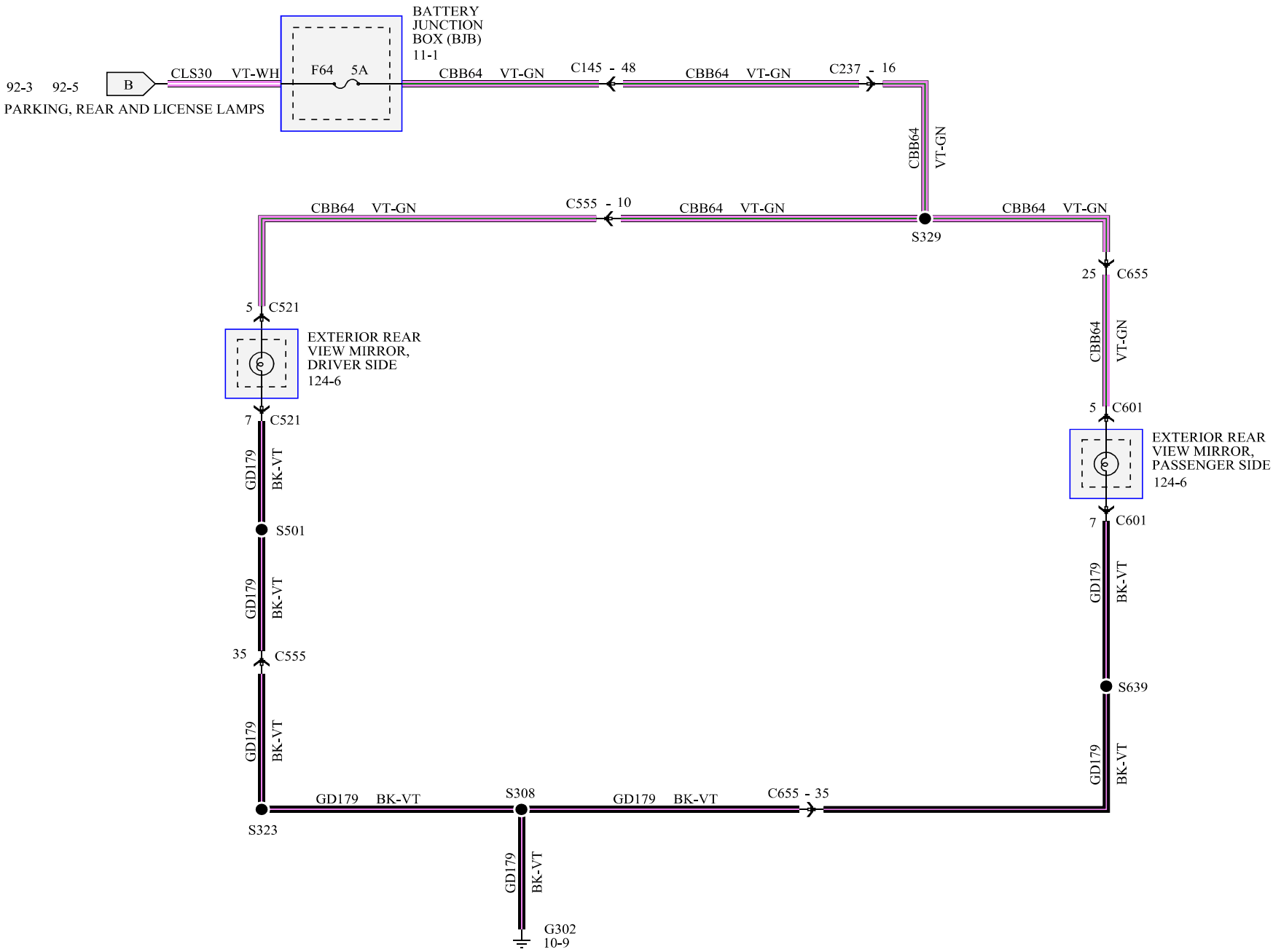

With Box
PARKING, REAR AND LICENSE LAMPS
92-2
A
CLS30 VT-WH
CLS30 VT-WH
CLS30 VT-WH
S121
CLS30 VT-WH
BATTERY JUNCTION BOX (BJB) 11-1
85
TRAILER TOW RELAY, PARKING LAMP
95-2 95-3
CLS30 VT-WH
C1043
2
PARK/TURN LAMP, RIGHT FRONT 90-2
C1043
1
GD124 BK-VT
5 C133
CLS30 VT-WH
C1126
1
C1126
2
SIDE MARKER LAMP, RIGHT 151-1
GD124 BK-VT
S128
GD124 BK-VT
S115
PARKING, REAR AND LICENSE LAMPS
B
92-6
CLS30 VT-WH
C1023
2
PARK/TURN LAMP, LEFT FRONT 90-2
C1023
1
GD122 BK
GD124 BK-VT
PARKING, REAR AND LICENSE LAMPS
CLS30 VT-WH
C
92-4
S402
SIDE MARKER LAMP, LEFT 151-1
CLS30 VT-WH
C1127
1
C1127
2
GD122 BK
S113
C408 8
With RPA
C465 2
LICENSE PLATE LAMP, RIGHT 151-29
CLS30 VT-WH
S906
CLS30 VT-WH
C462
1
C462
2
GD176 BK-WH
S905
GD176 BK-WH
7 C408
With RPA
4 C465
LICENSE PLATE LAMP, LEFT 151-29
CLS30 VT-WH
C452
1
C452
2
GD176 BK-WH
GD176 BK-WH
S400
GD122 BK
G400 10-10
G104 10-3
G108 10-4

WITH BOX

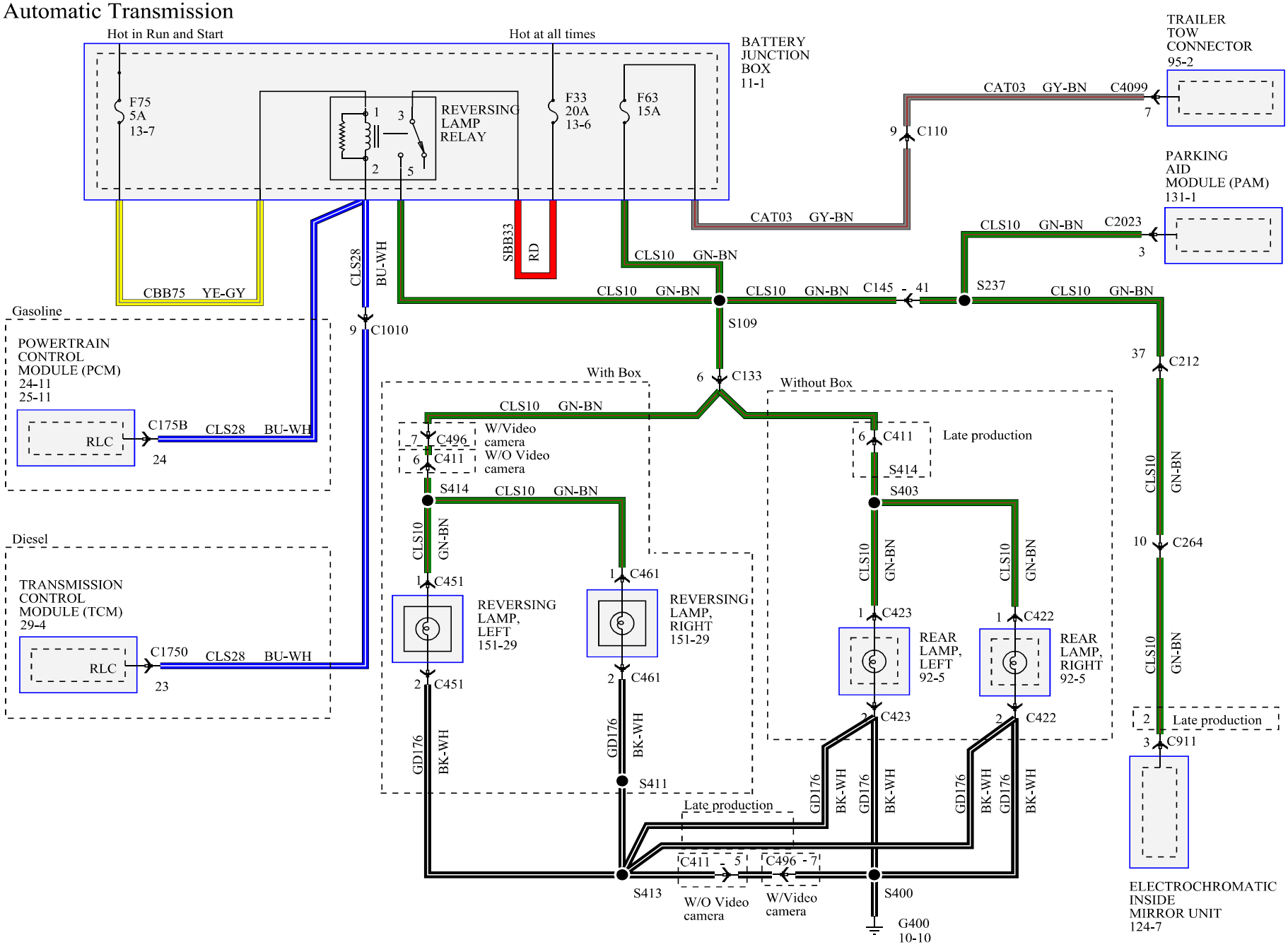

92-3
C
PARKING, REAR AND LICENSE LAMPS
CLS30 VT-WH
C496 - 1
C411 - 4
W/Video camera
W/O Video camera
S412
2 C4002
3 C4001
S423
CLS30 VT-WH
2 C4095
SIDE LAMP 2, LH REAR 151-29
1 C4095
2 C4094
SIDE LAMP 1, LH REAR 151-29
1 C4094
REAR MARKER LAMP ASSEMBLY 151-29
1 C4001
2 C4000
S424
2 C4096
SIDE LAMP 1, RH REAR 151-29
1 C4096
2 C4097
SIDE LAMP 2, RH REAR 151-29
1 C4097
S426
1 C4000
S411
2 C4032
PARK/STOP/ TURN LAMP, RIGHT REAR 90-3
1 C4032
2 C4035
PARK/STOP/ TURN LAMP, LEFT REAR 90-3
1 C4035
S413
GD176 BK-WH
S425
C4002 - 1
7 C496
W/Video camera
5 C411
W/O Video camera
S400
G400
10-10
With Dual Rear Wheels

Without Box

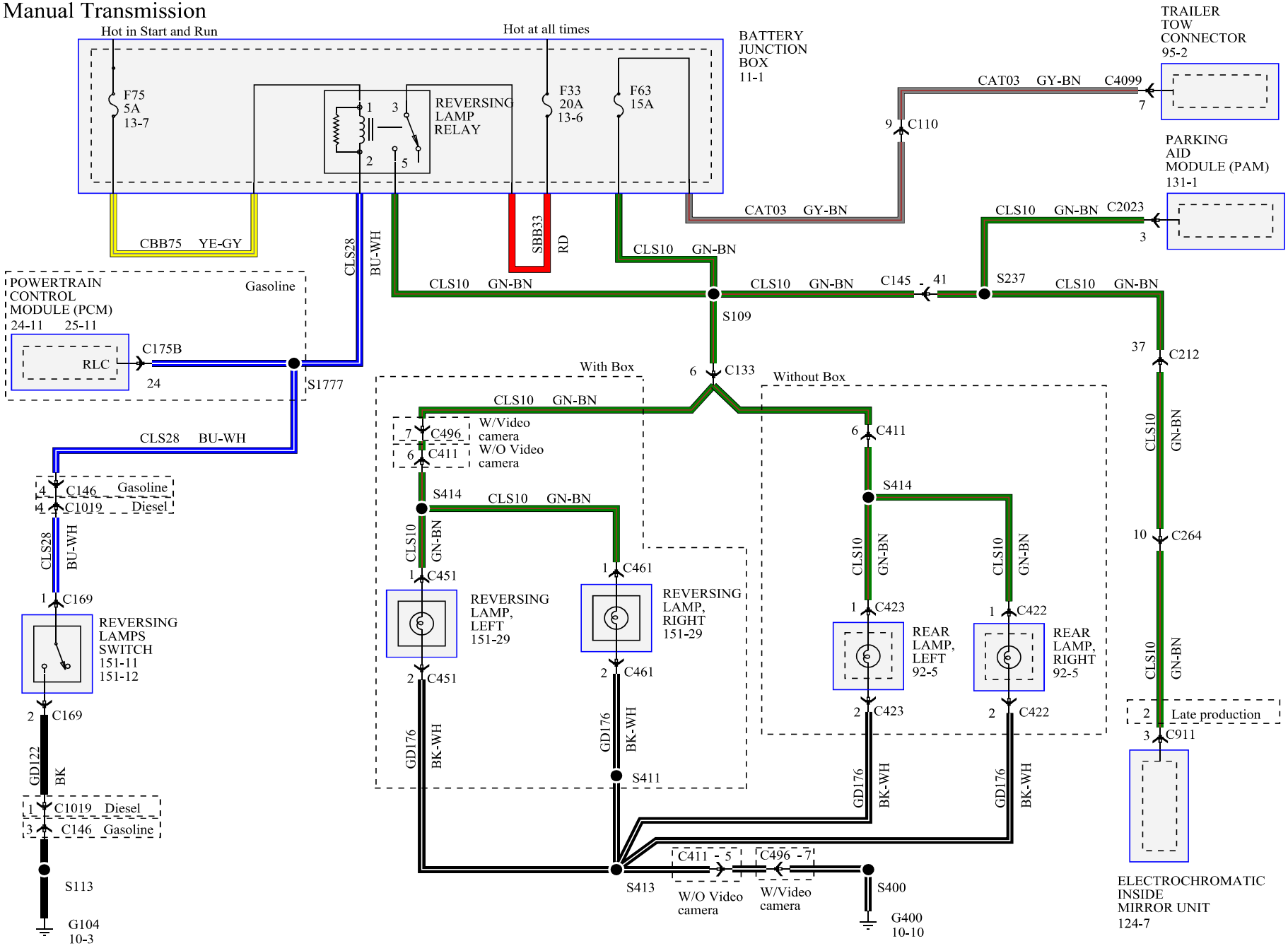

CLS30 VT-WH
BATTERY JUNCTION BOX (BJB) 11-1
85
TRAILER TOW RELAY, PARKING LAMP 95-2 95-3
92-2
A
PARKING, REAR AND LICENSE LAMPS
PARK/TURN LAMP, RIGHT FRONT 90-2
C1043
GD124 BK-VT
S121
5 C133
4 C411 Late production
92-6
B
S412 Late production
S403
SIDE MARKER LAMP, RIGHT 151-1
C1126
S128
S115
PARK/TURN LAMP, LEFT FRONT 90-2
C1023
CLS19 VT-OG
90-3
TURN SIGNAL/STOP/HAZARD LAMPS
CLS10 GN-BN
93-1
REVERSING LAMPS
SIDE MARKER LAMP, LEFT 151-1
C1127
GD122 BK
S113
3 4 1 C422
3 4 1 C423
REAR LAMP, RIGHT 151-31
REAR LAMP, LEFT 151-31
Late production
2 C422
2 C423
GD176 BK-WH
S413
5 C411
S400
G400 10-10
Early production
G104 10-3
G108 10-4


92-3 92-5
B
PARKING, REAR AND LICENSE LAMPS
CLS30 VT-WH
BATTERY JUNCTION BOX (BJB) 11-1
F64 5A
CBB64 VT-GN
C145 - 48
CBB64 VT-GN
C237 - 16
CBB64 VT-GN
S329
CBB64 VT-GN
C555 - 10
CBB64 VT-GN
CBB64 VT-GN
5 C521
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE 124-6
7 C521
GD179 BK-VT
S501
GD179 BK-VT
35 C555
GD179 BK-VT
S323
GD179 BK-VT
S308
GD179 BK-VT
C655 - 35
GD179 BK-VT
G302 10-9
25 C655
CBB64 VT-GN
5 C601
EXTERIOR REAR VIEW MIRROR, PASSENGER SIDE 124-6
7 C601
GD179 BK-VT
S639
GD179 BK-VT

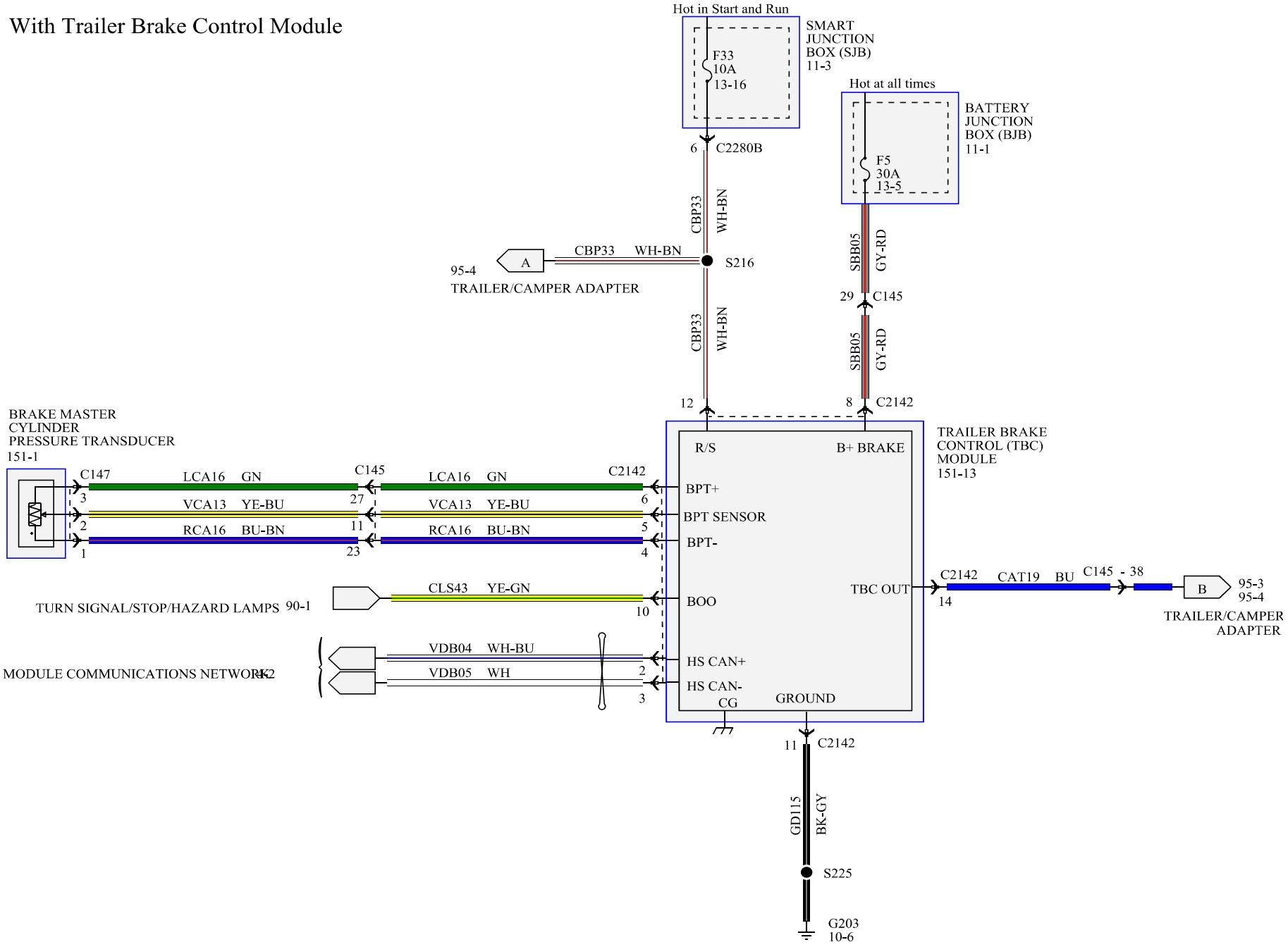
Automatic Transmission



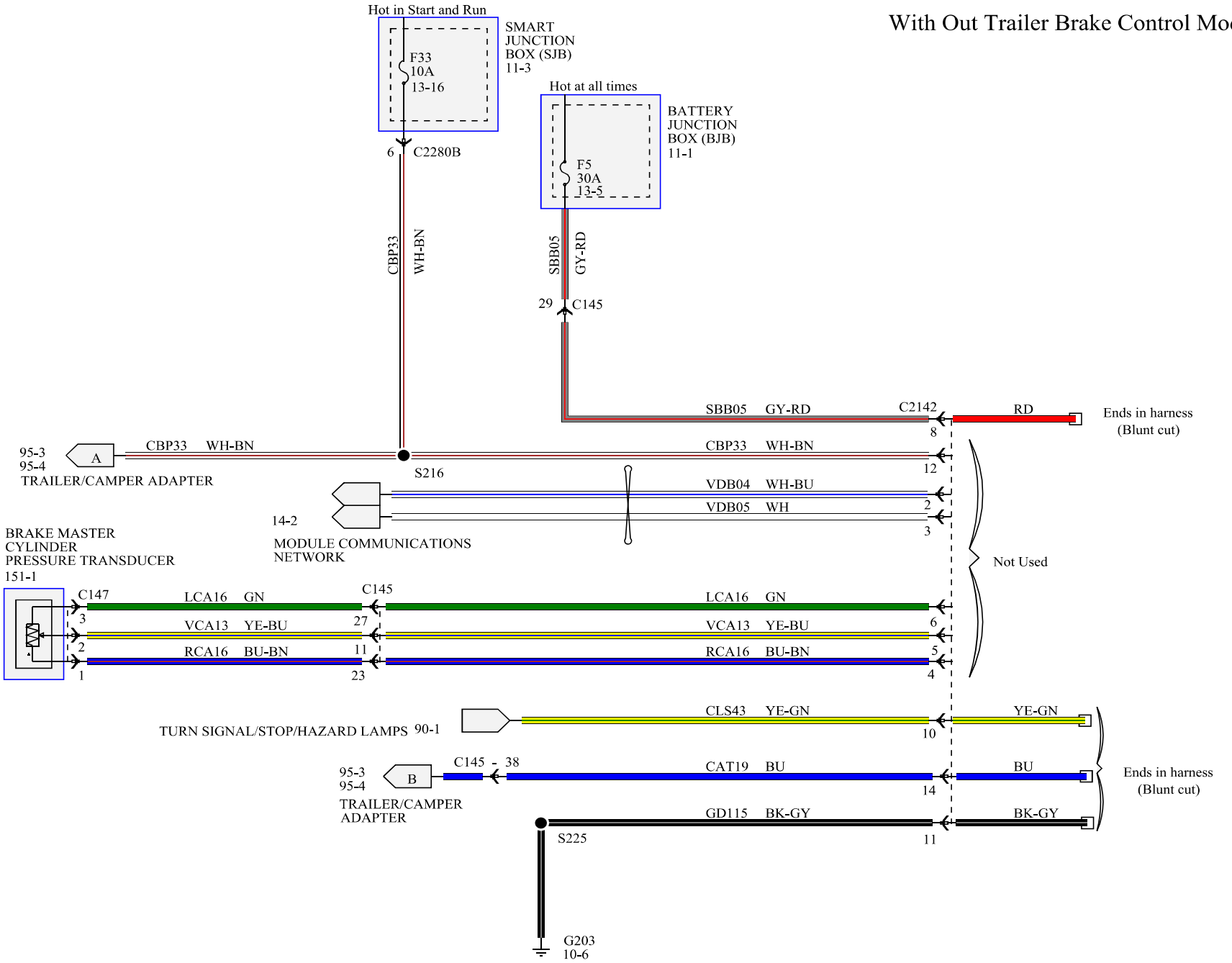
Manual Transmission



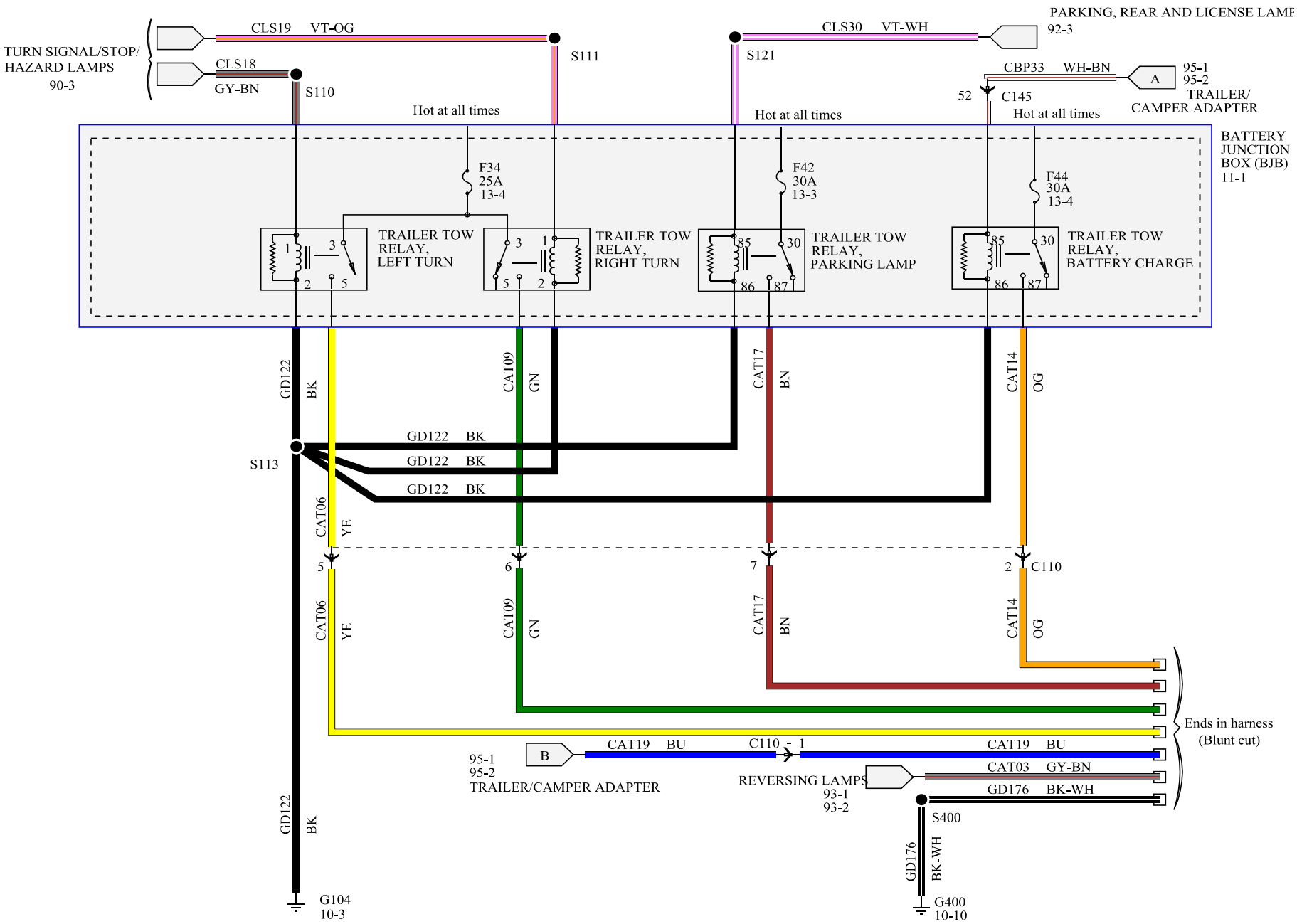
With Trailer Brake Control Module



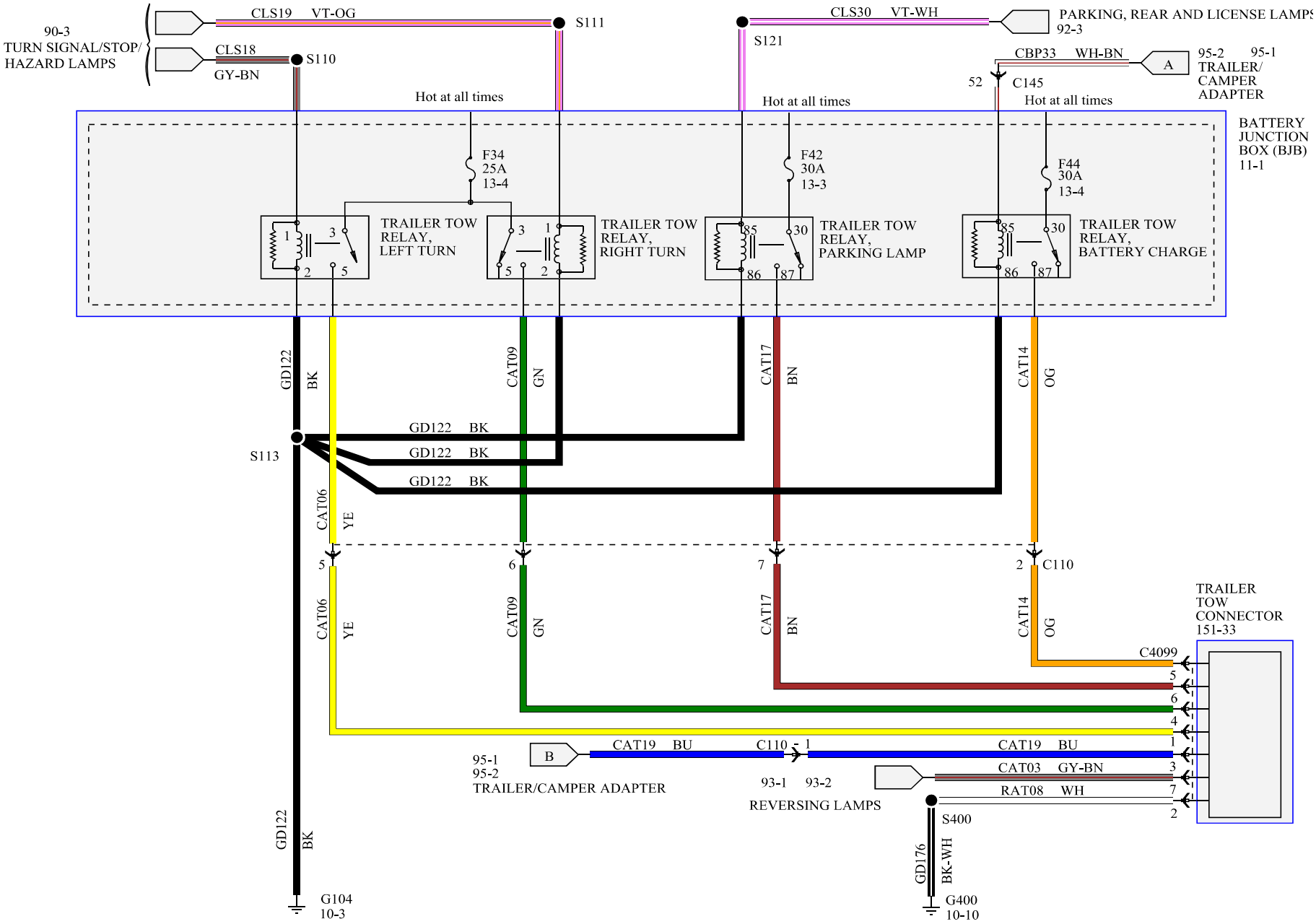
With Out Trailer Brake Control Module

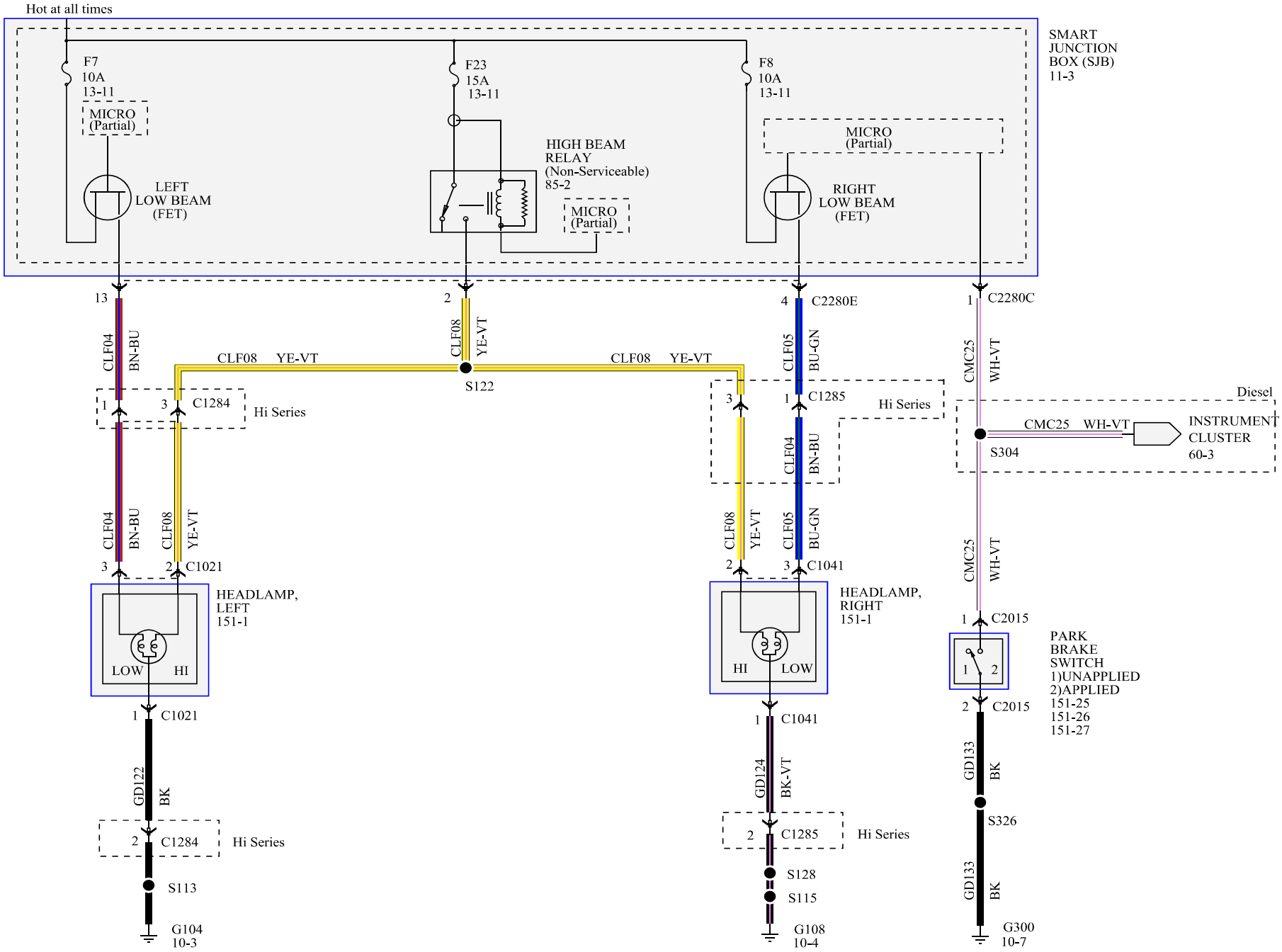


Narrow frame



Wide frame


90-3
TURN SIGNAL/STOP/
HAZARD LAMPS
CLS19 VT-OG
CLS18 GY-BN
S110
S111
CLS30 VT-WH
S121
PARKING, REAR AND LICENSE LAMPS
92-3
CBP33 WH-BN
A
95-2 95-1
TRAILER/
CAMPER
ADAPTER
52
C145
Hot at all times
Hot at all times
Hot at all times
BATTERY
JUNCTION
BOX (BJB)
11-1
F34
25A
13-4
F42
30A
13-3
F44
30A
13-4
TRAILER TOW
RELAY,
LEFT TURN
TRAILER TOW
RELAY,
RIGHT TURN
TRAILER TOW
RELAY,
PARKING LAMP
TRAILER TOW
RELAY,
BATTERY CHARGE
GD122 BK
CAT09 GN
CAT17 BN
CAT14 OG
GD122 BK
GD122 BK
GD122 BK
S113
CAT06 YE
5
6
7
2 C110
TRAILER
TOW
CONNECTOR
151-33
C4099
CAT06 YE
CAT09 GN
CAT17 BN
CAT14 OG
B
CAT19 BU
C110 - 1
CAT19 BU
95-1
95-2
TRAILER/CAMPER ADAPTER
93-1 93-2
REVERSING LAMPS
CAT03 GY-BN
RAT08 WH
S400
GD122 BK
G104
10-3
GD176 BK-WH
G400
10-10


Hot at all times
F7
10A
13-11
MICRO
(Partial)
LEFT
LOW BEAM
(FET)
F23
15A
13-11
HIGH BEAM
RELAY
(Non-Serviceable)
85-2
MICRO
(Partial)
F8
10A
13-11
MICRO
(Partial)
RIGHT
LOW BEAM
(FET)
SMART
JUNCTION
BOX (SJB)
11-3
13
2
4
C2280E
1
C2280C
CLF04
BN-BU
CLF08
YE-VT
CLF08 YE-VT
CLF08 YE-VT
S122
CLF05
BU-GN
CMC25
WH-VT
1
3
C1284
Hi Series
3
1
C1285
Hi Series
Diesel
CMC25 WH-VT
INSTRUMENT
CLUSTER
60-3
S304
CLF04
BN-BU
CLF08
YE-VT
CLF08
YE-VT
CLF05
BU-GN
CLF04
BN-BU
3
2
C1021
2
3
C1041
HEADLAMP,
LEFT
151-1
HEADLAMP,
RIGHT
151-1
LOW
HI
HI
LOW
CMC25
WH-VT
1
C2015
PARK
BRAKE
SWITCH
1)UNAPPLIED
2)APPLIED
151-25
151-26
151-27
1
C1021
1
C1041
2
C2015
GD122
BK
GD124
BK-VT
GD133
BK
2
C1284
Hi Series
2
C1285
Hi Series
S326
S113
S128
S115
GD133
BK
G104
10-3
G108
10-4
G300
10-7

CREW CAB

Hot at all times

ACCESSORY DELAY RELAY
F47 30A 13-15
30 87 86 85 Control

SMART JUNCTION BOX (SJB) 11-3
C2280D 32
S303
CBP47 GN-BU → 13-15 POWER DISTRIBUTION/SJB
CBP47 GN-BU → G → 100-4 POWER WINDOWS

46 C555
2 C504A
MASTER WINDOW CONTROL SWITCH 151-21

LOCKOUT
C504B 2
CPW14 VT-WH → C555 40 → S335
CPW14 VT-WH → A
CPW14 VT-WH → B
U
8
Pass
D
Rear
CPW18 GY-VT → C
4
CPW17 BN-GN → D
CPW14 VT-WH
U
6
Drvr
D
Rear
CPW16 BU-OG → E
1
CPW15 YE → F

POWER WINDOWS 100-2

WINDOW CONTROL SWITCH, PASSENGER SIDE 151-22

GD179 BK-VTC504B 7
S501
35 C555
S323
S308
G302 10-9

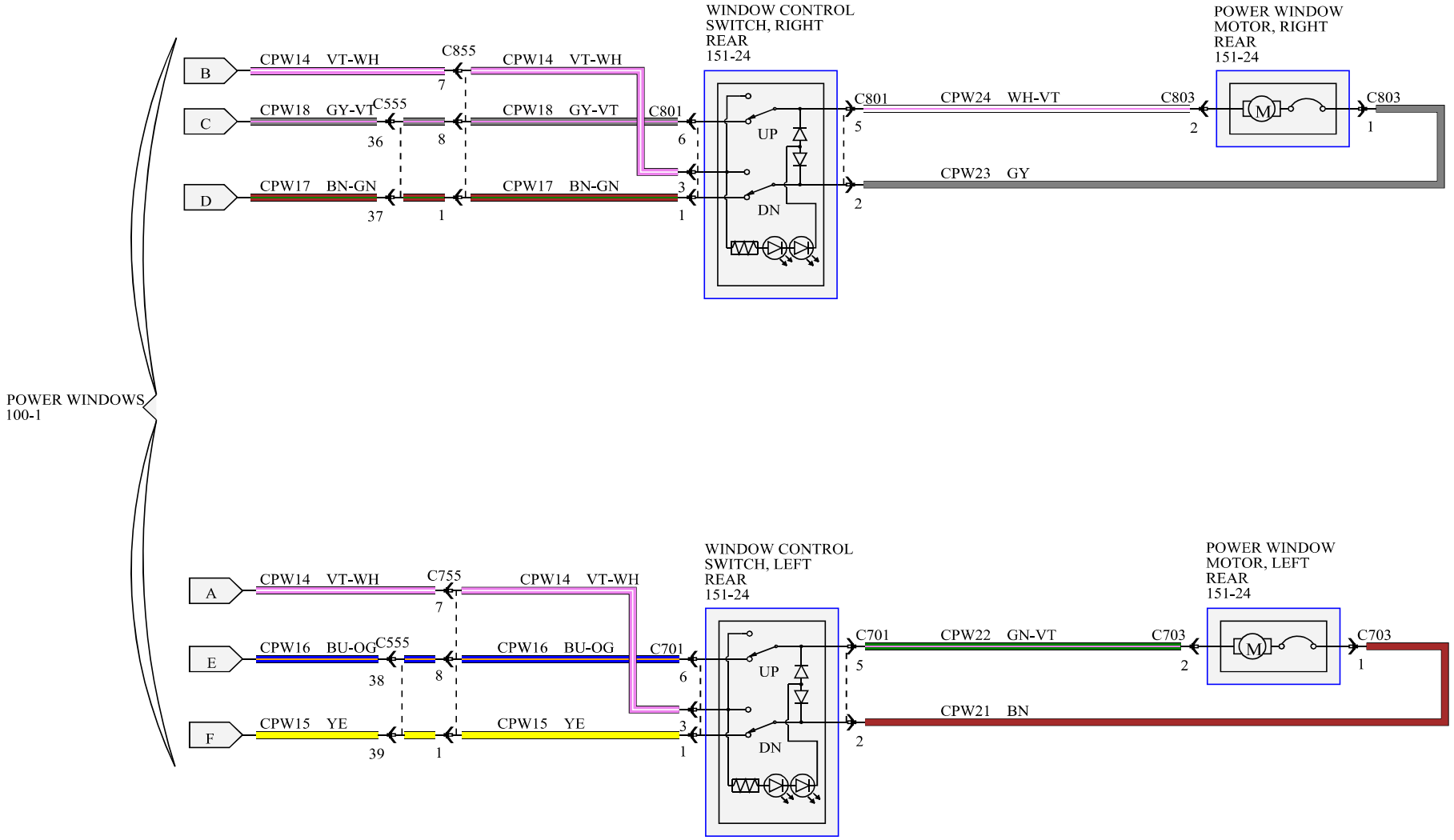
U
8
Pass
Front
D
C504A CPW13 BN-YE → C555 41 → C655 37 → C604 6
3
CPW12 GN-OG → 42 → 38 → 1
5
CPW11 BU-GY
One Touch Elect.
1
CPW10 YE-VT C524 2 → C524 1

UP
DN
C604 5
CPW20 WH-OG
2
CPW19 VTC608 2
M
C608 1

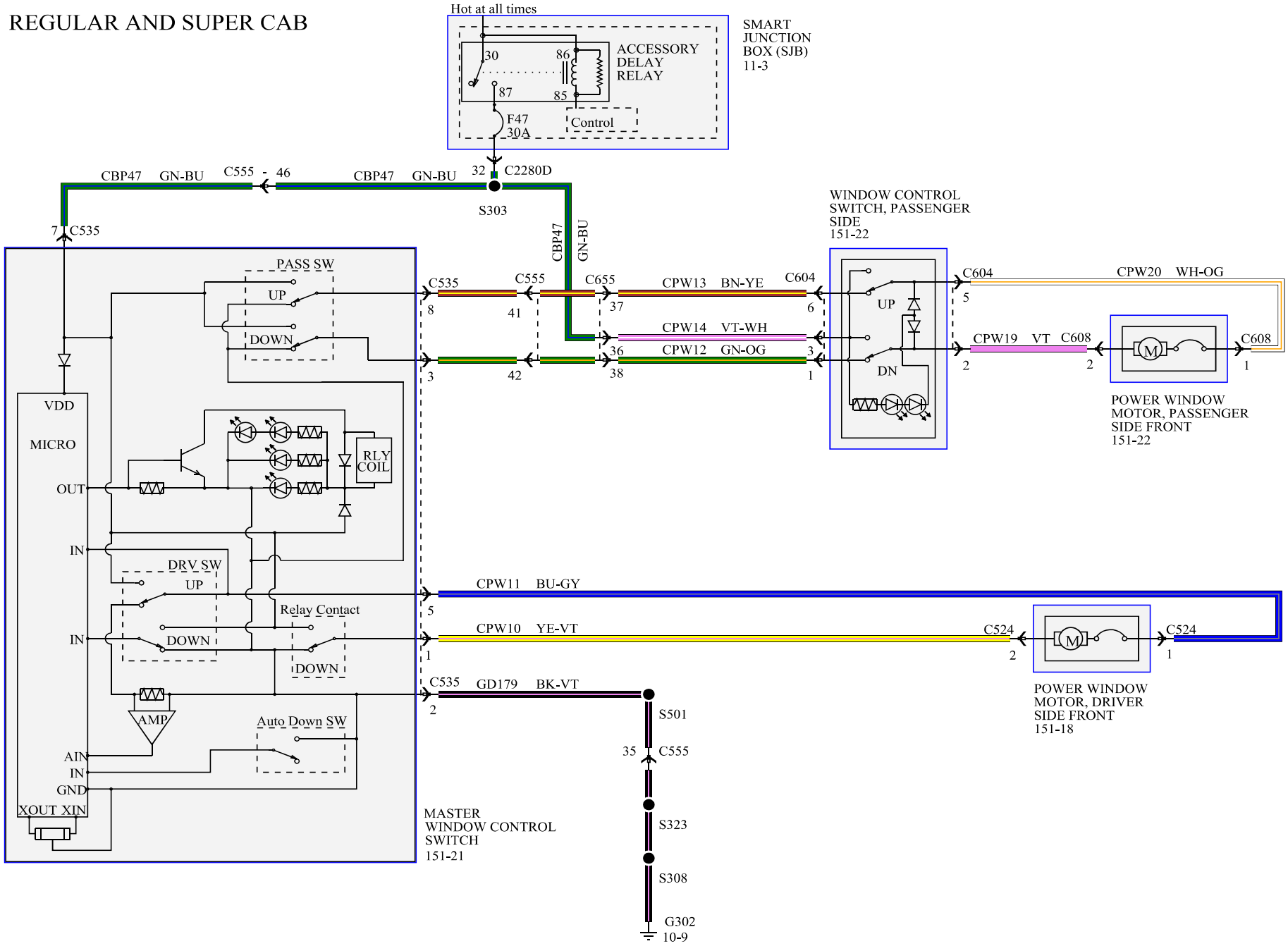
POWER WINDOW MOTOR, DRIVER SIDE FRONT 151-21

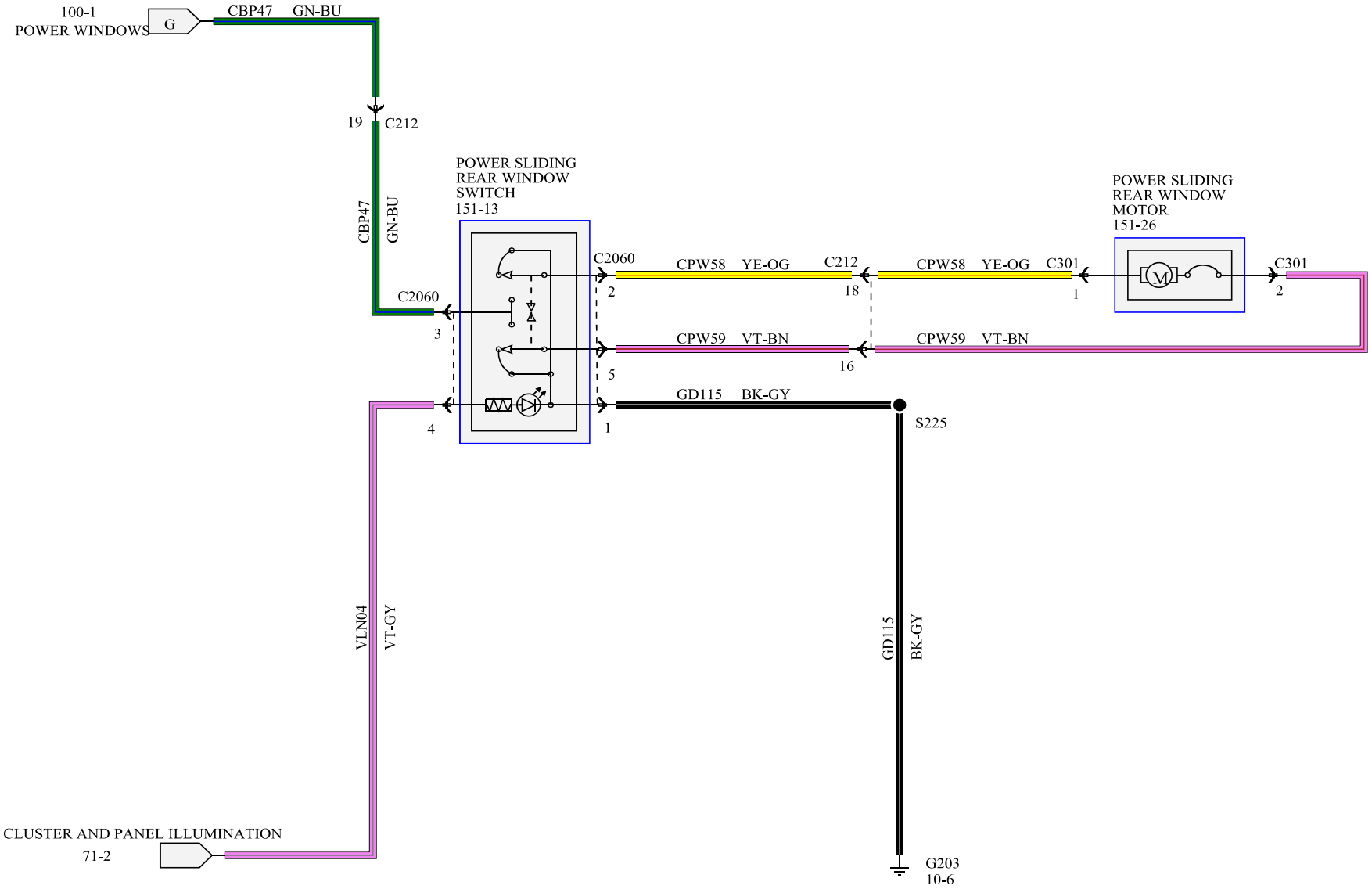
POWER WINDOW MOTOR, PASSENGER SIDE FRONT 151-22

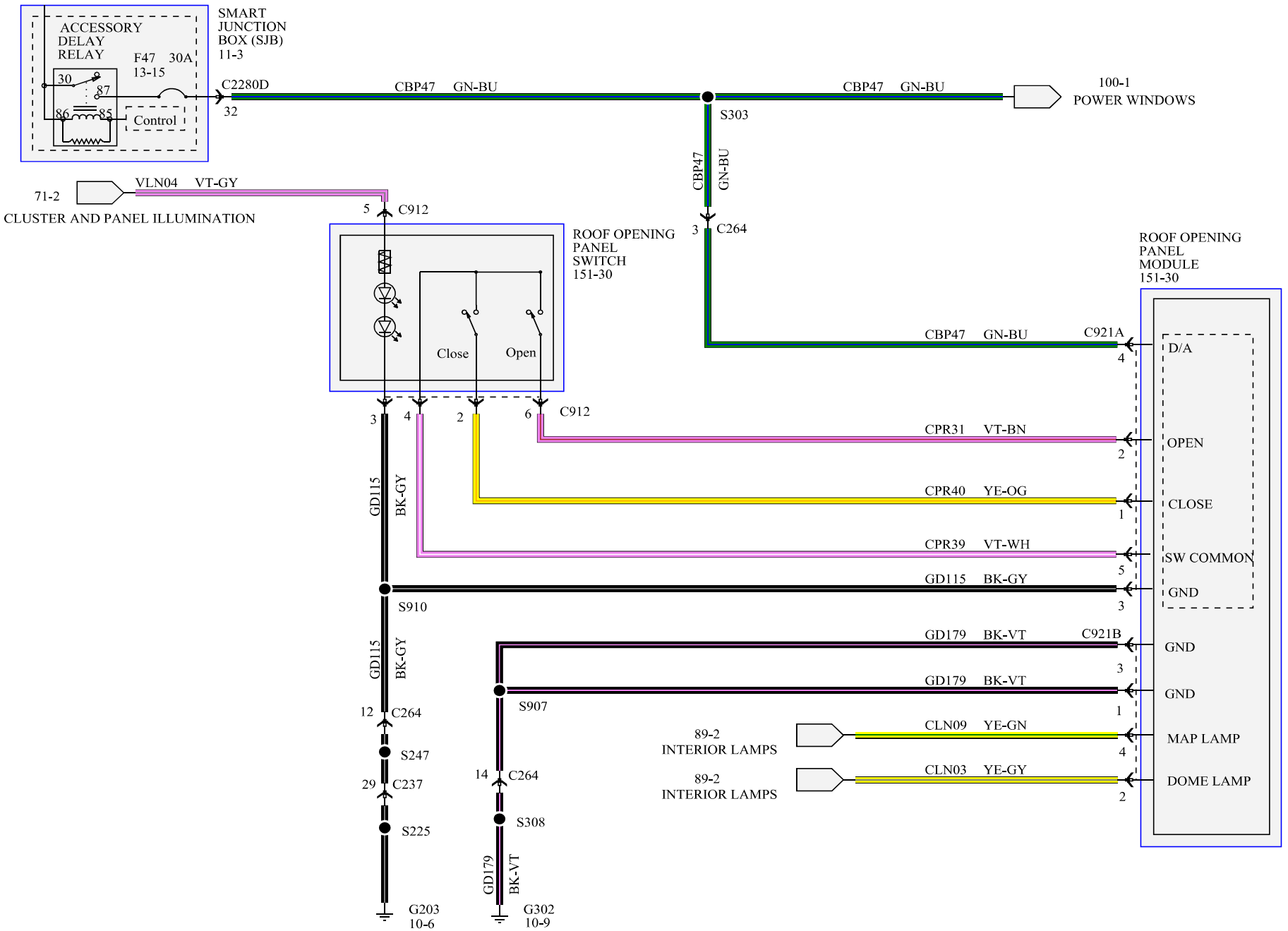
CREW CAB

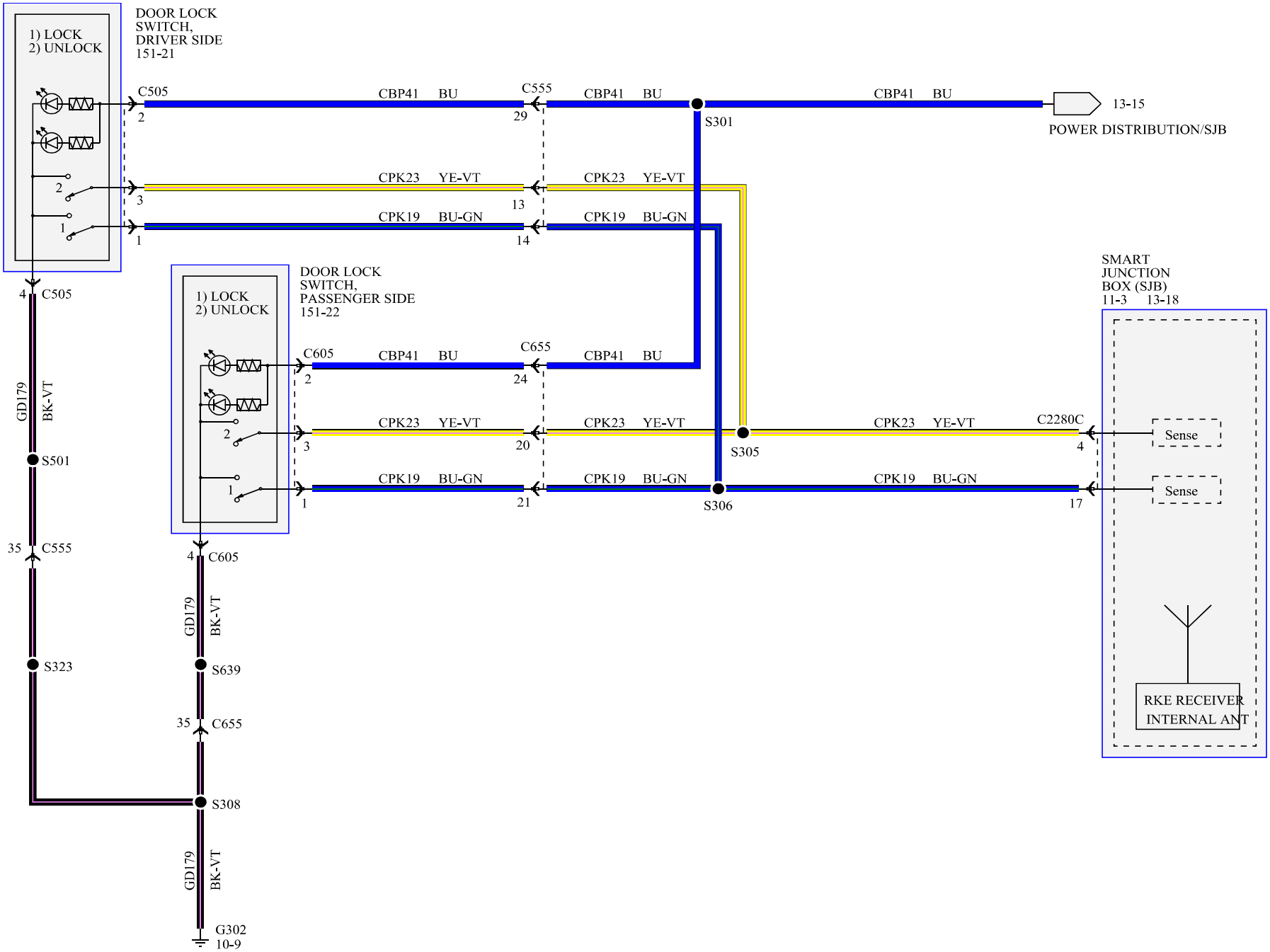

POWER WINDOWS
100-1
B
C
D
CPW14 VT-WH
CPW18 GY-VT
CPW17 BN-GN
C855
C555
7
36
8
37
1
CPW14 VT-WH
CPW18 GY-VT
CPW17 BN-GN
C801
6
3
1
WINDOW CONTROL
SWITCH, RIGHT
REAR
151-24
UP
DN
C801
5
2
CPW24 WH-VT
CPW23 GY
C803
2
1
POWER WINDOW
MOTOR, RIGHT
REAR
151-24
M
C803
1
A
E
F
CPW14 VT-WH
CPW16 BU-OG
CPW15 YE
C755
C555
7
38
8
39
1
CPW14 VT-WH
CPW16 BU-OG
CPW15 YE
C701
6
3
1
WINDOW CONTROL
SWITCH, LEFT
REAR
151-24
UP
DN
C701
5
2
CPW22 GN-VT
CPW21 BN
C703
2
1
POWER WINDOW
MOTOR, LEFT
REAR
151-24
M
C703
1

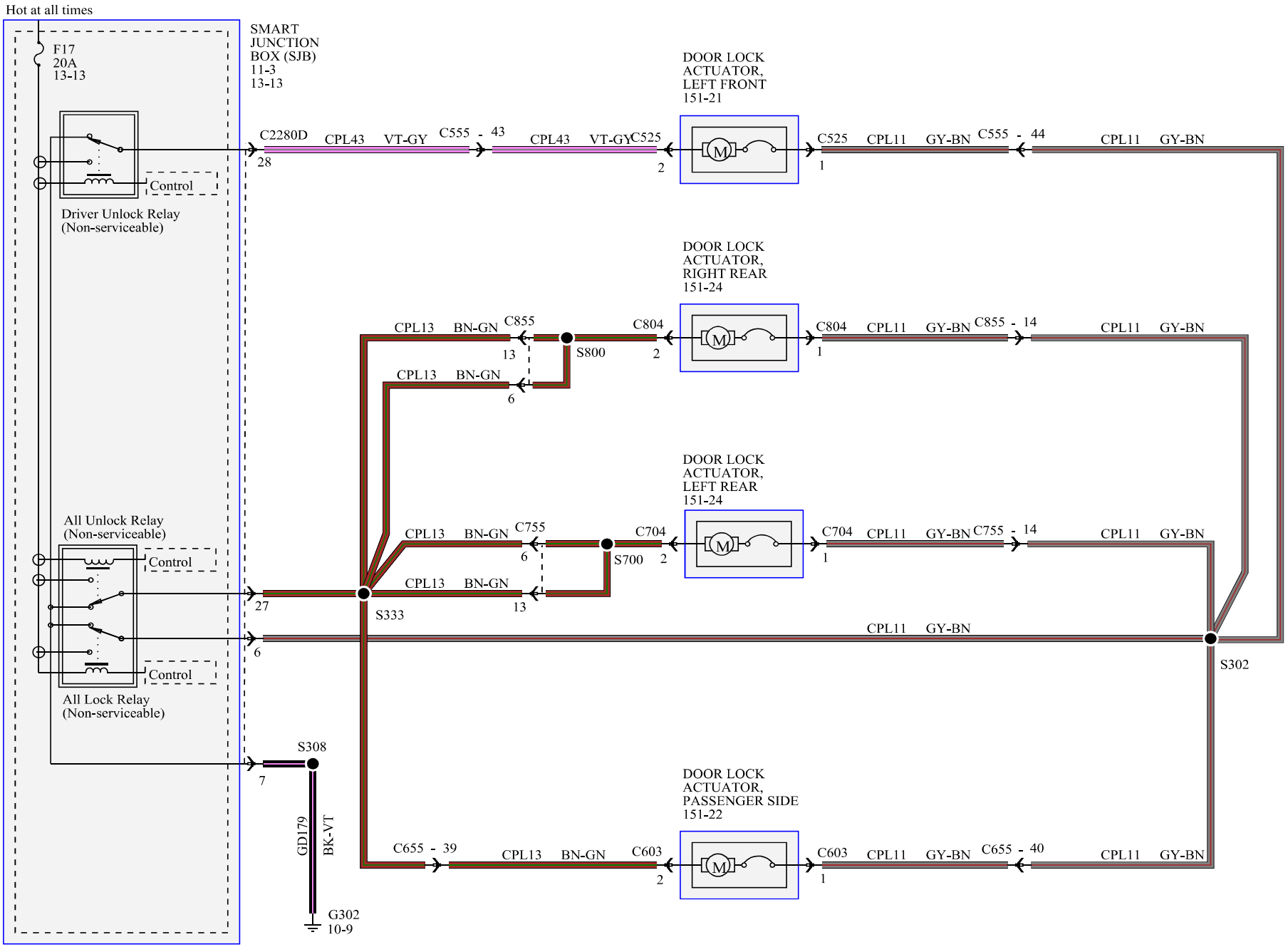
REGULAR AND SUPER CAB

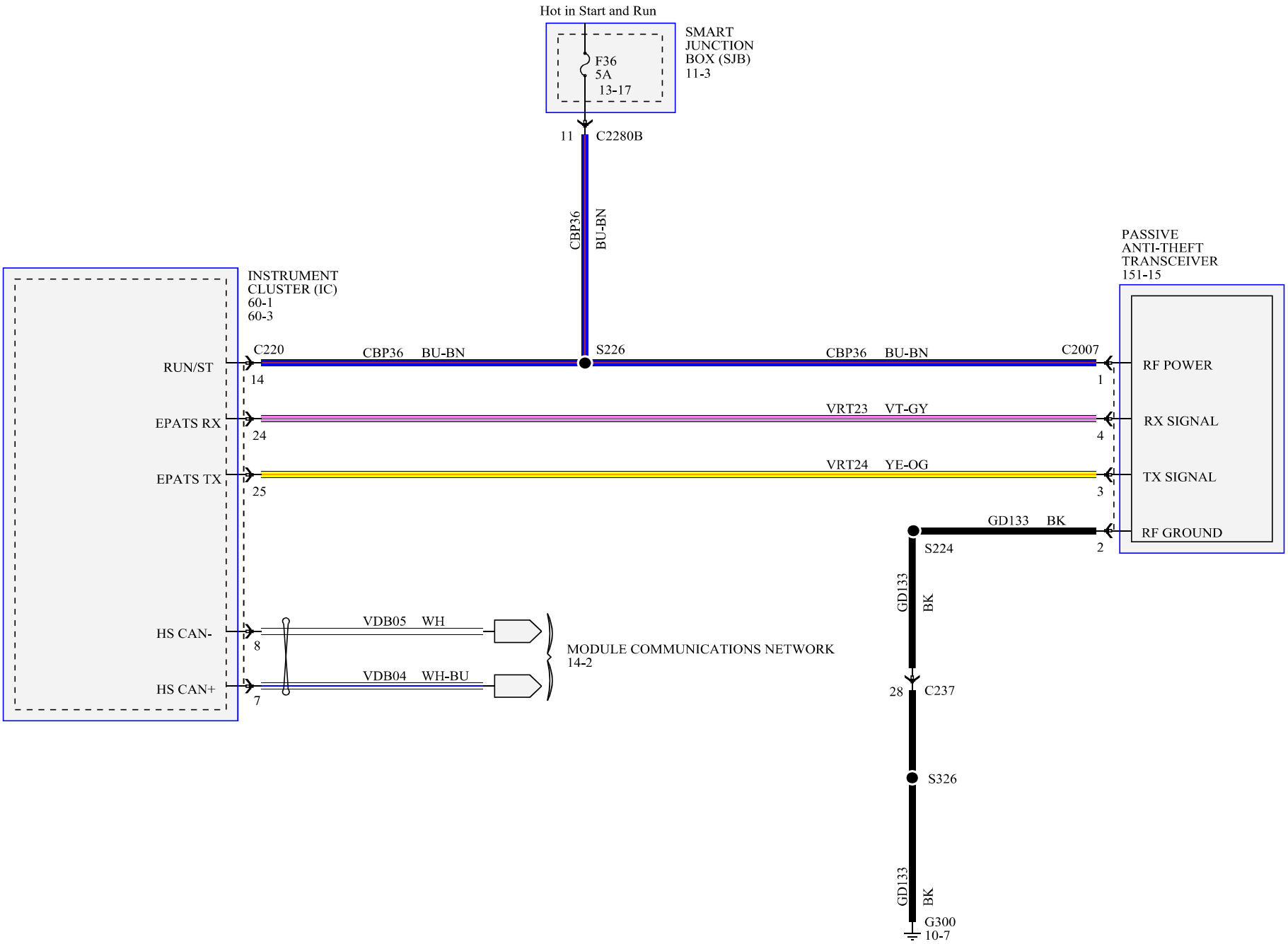


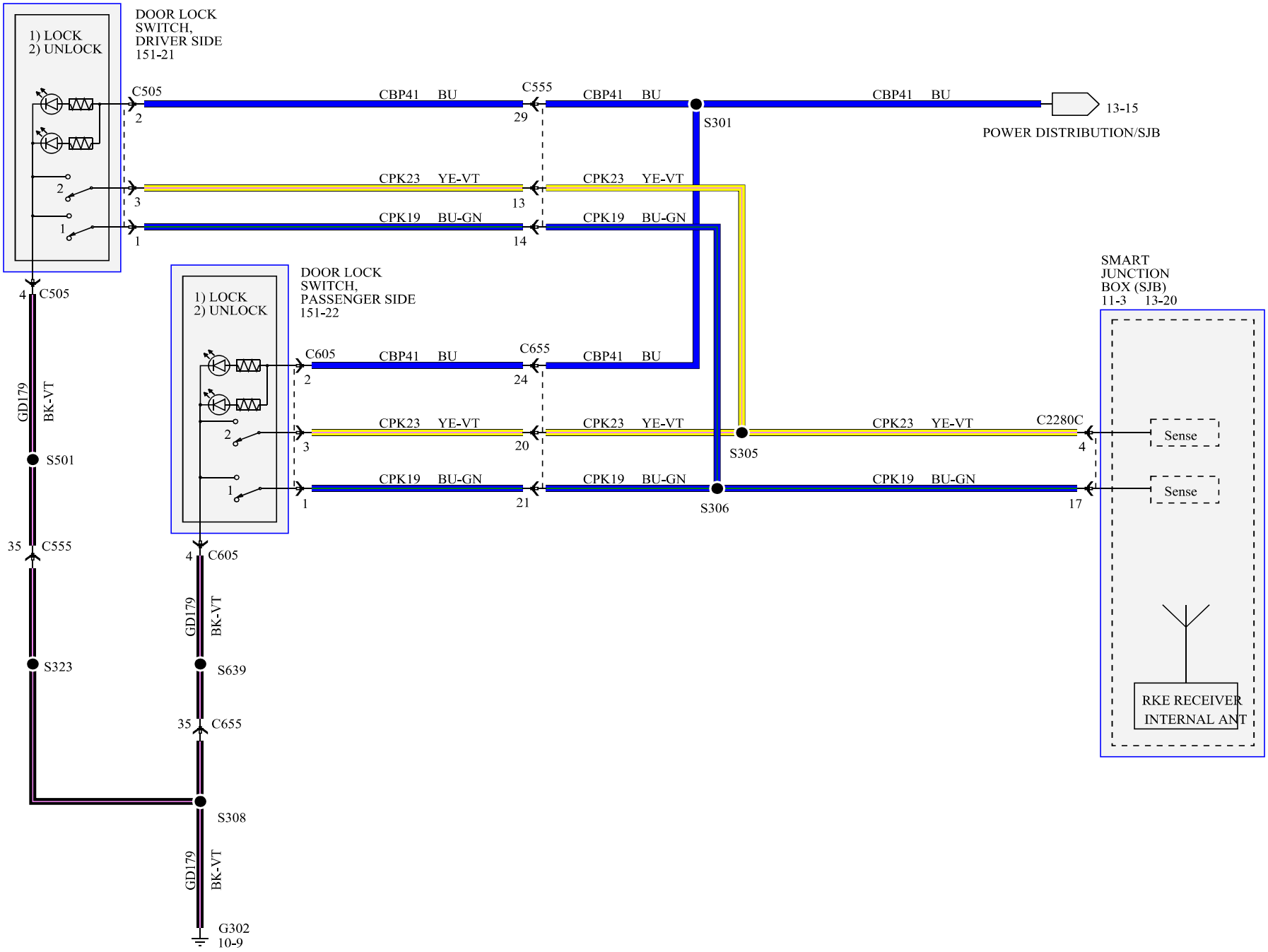

100-1
POWER WINDOWS
G
CBP47 GN-BU
19 C212
CBP47 GN-BU
C2060
3
POWER SLIDING
REAR WINDOW
SWITCH
151-13
4
C2060
2
CPW58 YE-OG
C212
18
CPW58 YE-OG
C301
1
POWER SLIDING
REAR WINDOW
MOTOR
151-26
M
C301
2
CPW59 VT-BN
16
CPW59 VT-BN
5
GD115 BK-GY
1
S225
VLN04 VT-GY
GD115 BK-GY
CLUSTER AND PANEL ILLUMINATION
71-2
G203
10-6

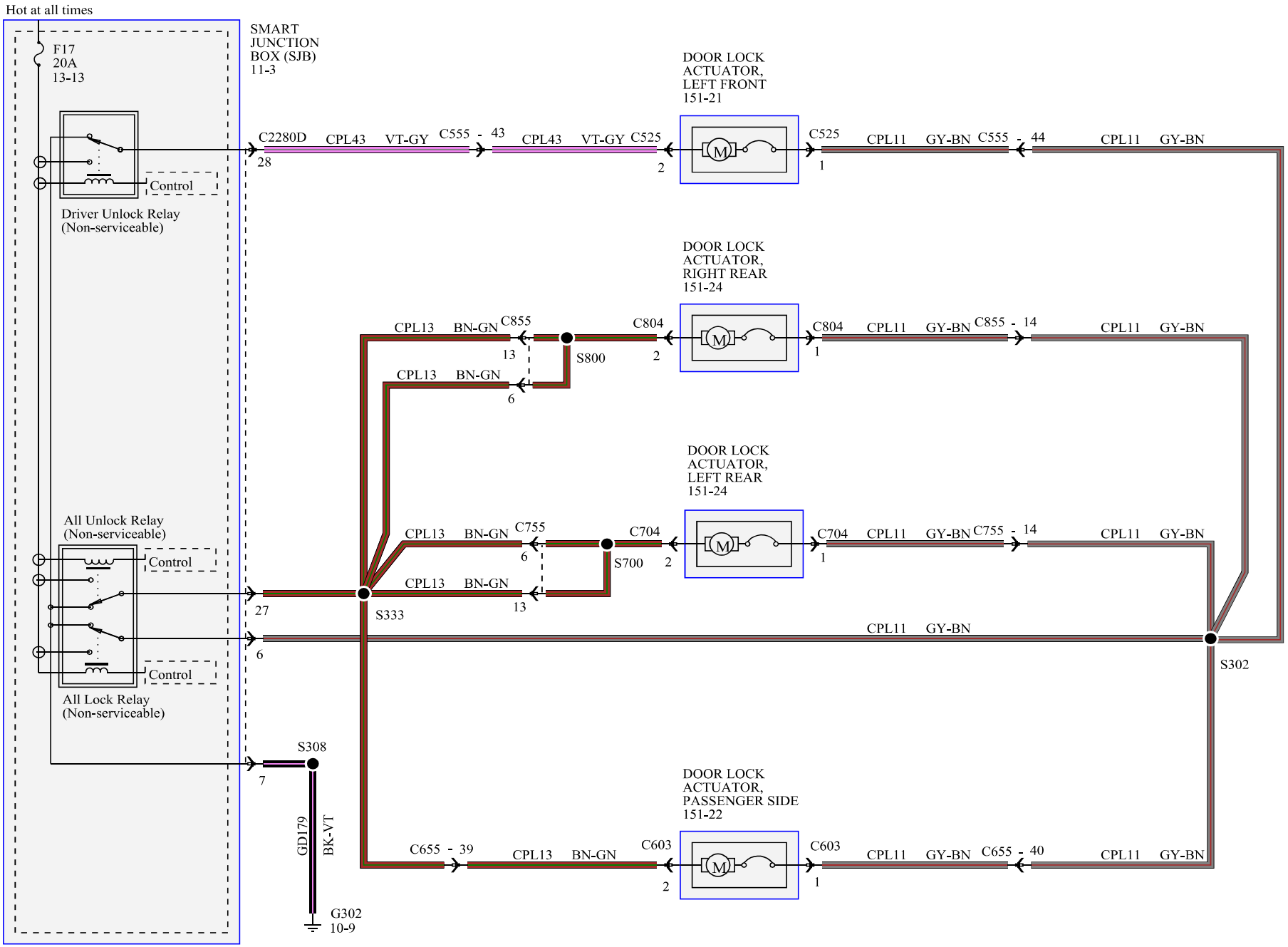

ACCESSORY DELAY RELAY
F47 30A 13-15
30
87
86
85
Control
SMART JUNCTION BOX (SJB) 11-3
C2280D
32
CBP47 GN-BU
S303
CBP47 GN-BU
100-1 POWER WINDOWS
71-2
VLN04 VT-GY
CLUSTER AND PANEL ILLUMINATION
5 C912
ROOF OPENING PANEL SWITCH 151-30
Close
Open
3 C264
CBP47 GN-BU
ROOF OPENING PANEL MODULE 151-30
CBP47 GN-BU C921A
4
D/A
3 4 2 6 C912
CPR31 VT-BN
2
OPEN
CPR40 YE-OG
1
CLOSE
CPR39 VT-WH
5
SW COMMON
GD115 BK-GY
S910
GD115 BK-GY
3
GND
GD179 BK-VT C921B
3
GND
GD179 BK-VT
S907
1
GND
12 C264
S247
29 C237
S225
G203 10-6
14 C264
S308
GD179 BK-VT
G302 10-9
89-2 INTERIOR LAMPS
CLN09 YE-GN
4
MAP LAMP
89-2 INTERIOR LAMPS
CLN03 YE-GY
2
DOME LAMP

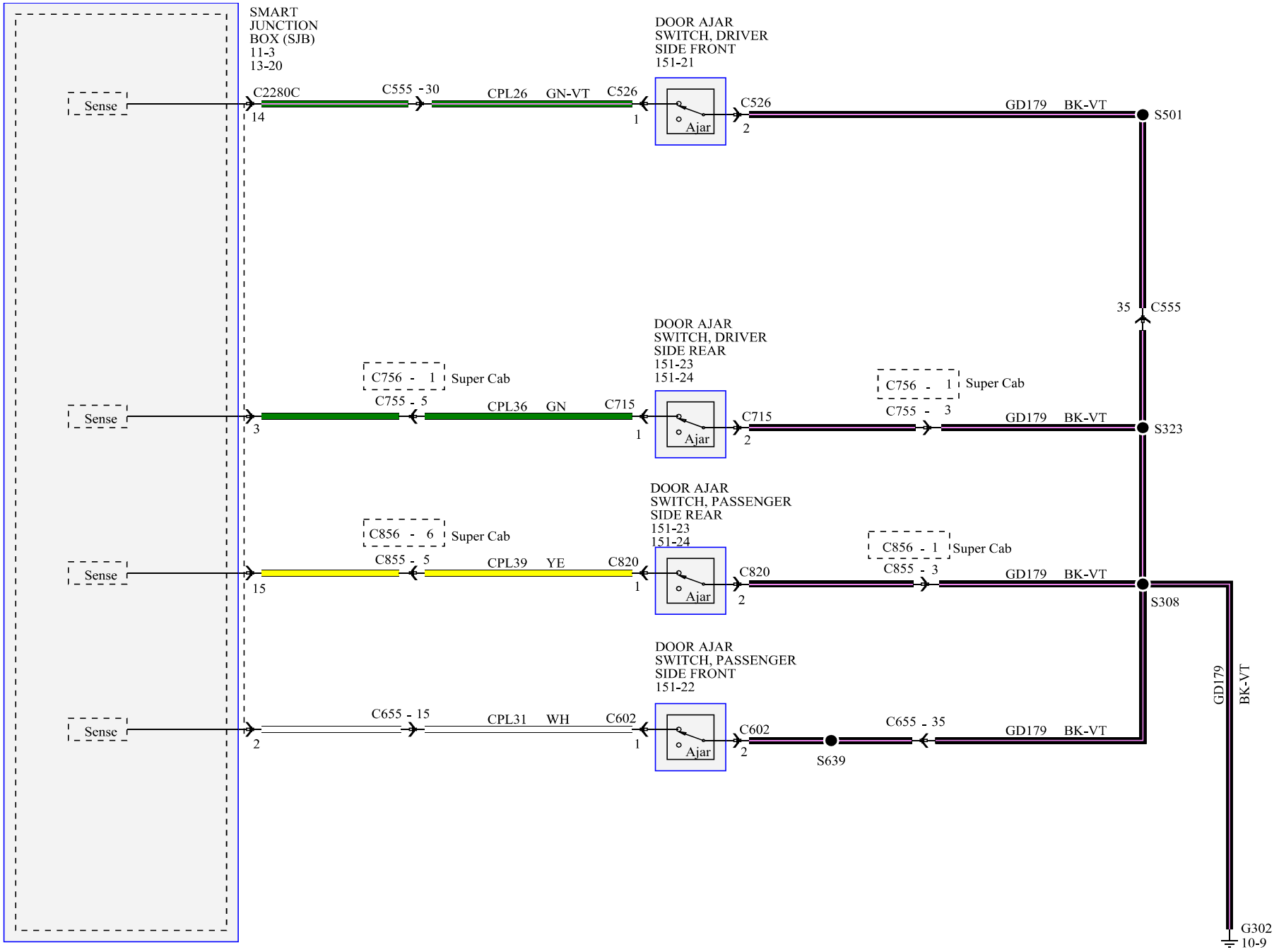

DOOR LOCK SWITCH, DRIVER SIDE 151-21
1) LOCK
2) UNLOCK
C505
2
CBP41 BU
C555
29
CBP41 BU
S301
CBP41 BU
13-15
POWER DISTRIBUTION/SJB
CPK23 YE-VT
3
CPK23 YE-VT
13
CPK19 BU-GN
1
CPK19 BU-GN
14
4 C505
GD179 BK-VT
S501
35 C555
S323
DOOR LOCK SWITCH, PASSENGER SIDE 151-22
1) LOCK
2) UNLOCK
C605
2
CBP41 BU
C655
24
CBP41 BU
CPK23 YE-VT
3
CPK23 YE-VT
20
CPK23 YE-VT
C2280C
4
S305
CPK19 BU-GN
1
CPK19 BU-GN
21
CPK19 BU-GN
17
S306
SMART JUNCTION BOX (SJB) 11-3 13-18
Sense
Sense
RKE RECEIVER INTERNAL ANT
4 C605
GD179 BK-VT
S639
35 C655
S308
GD179 BK-VT
G302
10-9

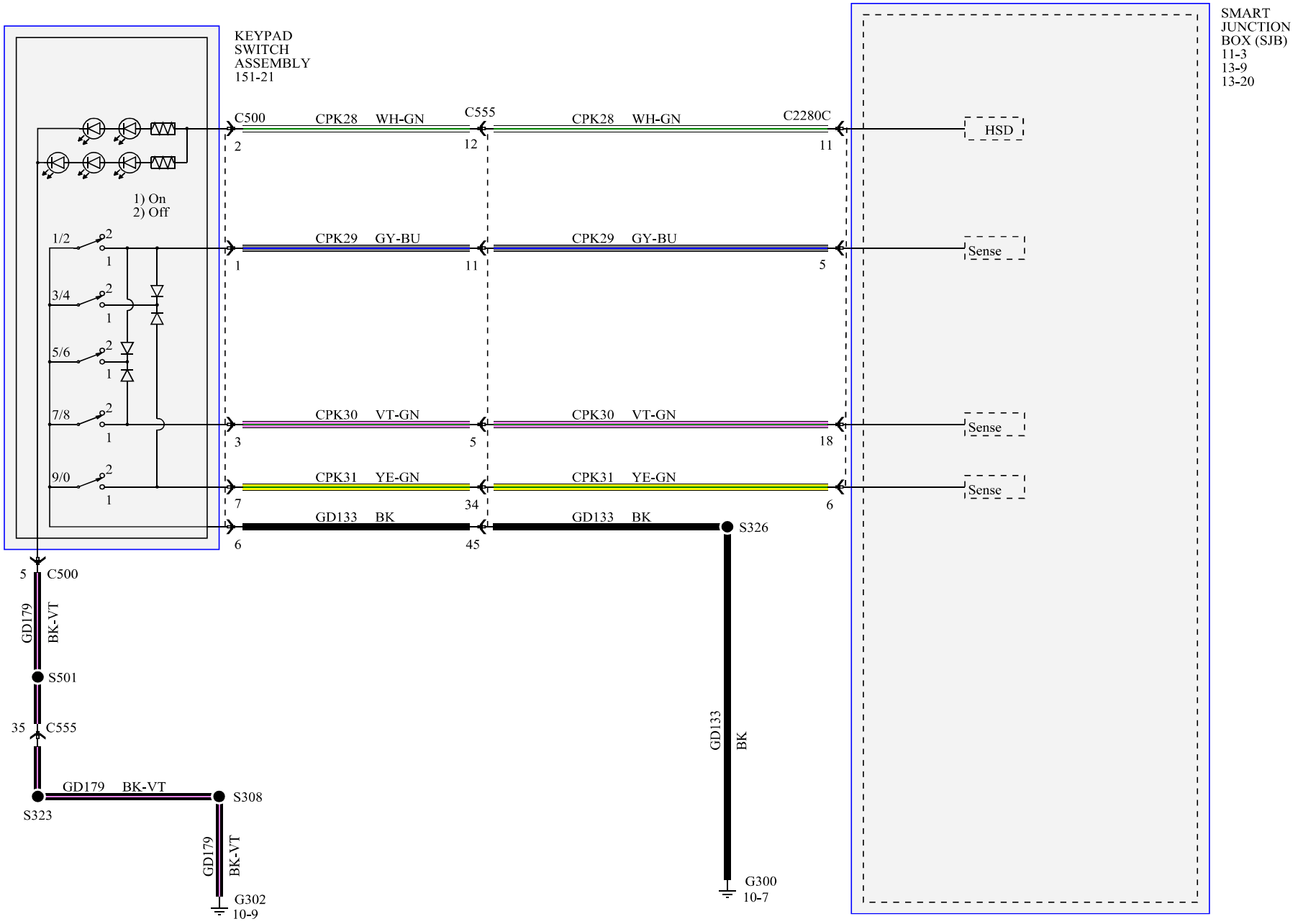

Hot at all times
F17
20A
13-13
SMART JUNCTION BOX (SJB)
11-3
13-13
Control
Driver Unlock Relay (Non-serviceable)
All Unlock Relay (Non-serviceable)
Control
Control
All Lock Relay (Non-serviceable)
C2280D
28
CPL43 VT-GY
C555 - 43
CPL43 VT-GY
C525
2
DOOR LOCK ACTUATOR, LEFT FRONT 151-21
C525 CPL11 GY-BN
C555 - 44
CPL11 GY-BN
1
CPL13 BN-GN
C855
13
S800
C804
2
DOOR LOCK ACTUATOR, RIGHT REAR 151-24
C804 CPL11 GY-BN
C855 - 14
CPL11 GY-BN
1
CPL13 BN-GN
6
CPL13 BN-GN
C755
6
S700
C704
2
DOOR LOCK ACTUATOR, LEFT REAR 151-24
C704 CPL11 GY-BN
C755 - 14
CPL11 GY-BN
1
CPL13 BN-GN
13
27
S333
CPL11 GY-BN
6
S302
S308
7
GD179
BK-VT
G302
10-9
C655 - 39
CPL13 BN-GN
C603
2
DOOR LOCK ACTUATOR, PASSENGER SIDE 151-22
C603 CPL11 GY-BN
C655 - 40
CPL11 GY-BN
1

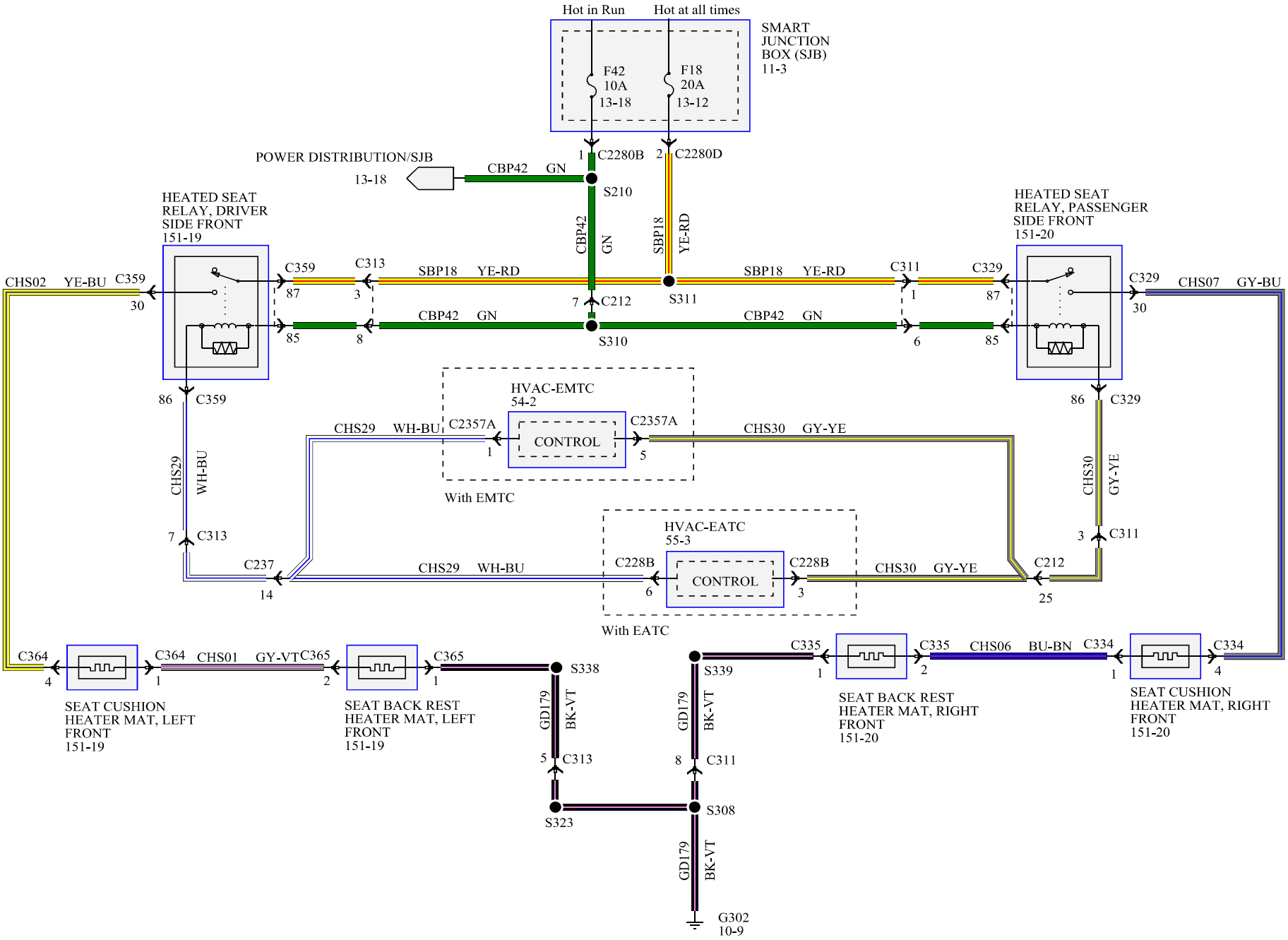

Hot in Start and Run
SMART JUNCTION BOX (SJB) 11-3
F36 5A 13-17
11
C2280B
CBP36 BU-BN
PASSIVE ANTI-THEFT TRANSCEIVER 151-15
INSTRUMENT CLUSTER (IC) 60-1 60-3
C220
S226
C2007
RUN/ST
14
CBP36 BU-BN
CBP36 BU-BN
1
RF POWER
EPATS RX
24
VRT23 VT-GY
4
RX SIGNAL
EPATS TX
25
VRT24 YE-OG
3
TX SIGNAL
GD133 BK
2
RF GROUND
S224
GD133 BK
HS CAN-
8
VDB05 WH
HS CAN+
7
VDB04 WH-BU
MODULE COMMUNICATIONS NETWORK 14-2
28
C237
S326
GD133 BK
G300
10-7

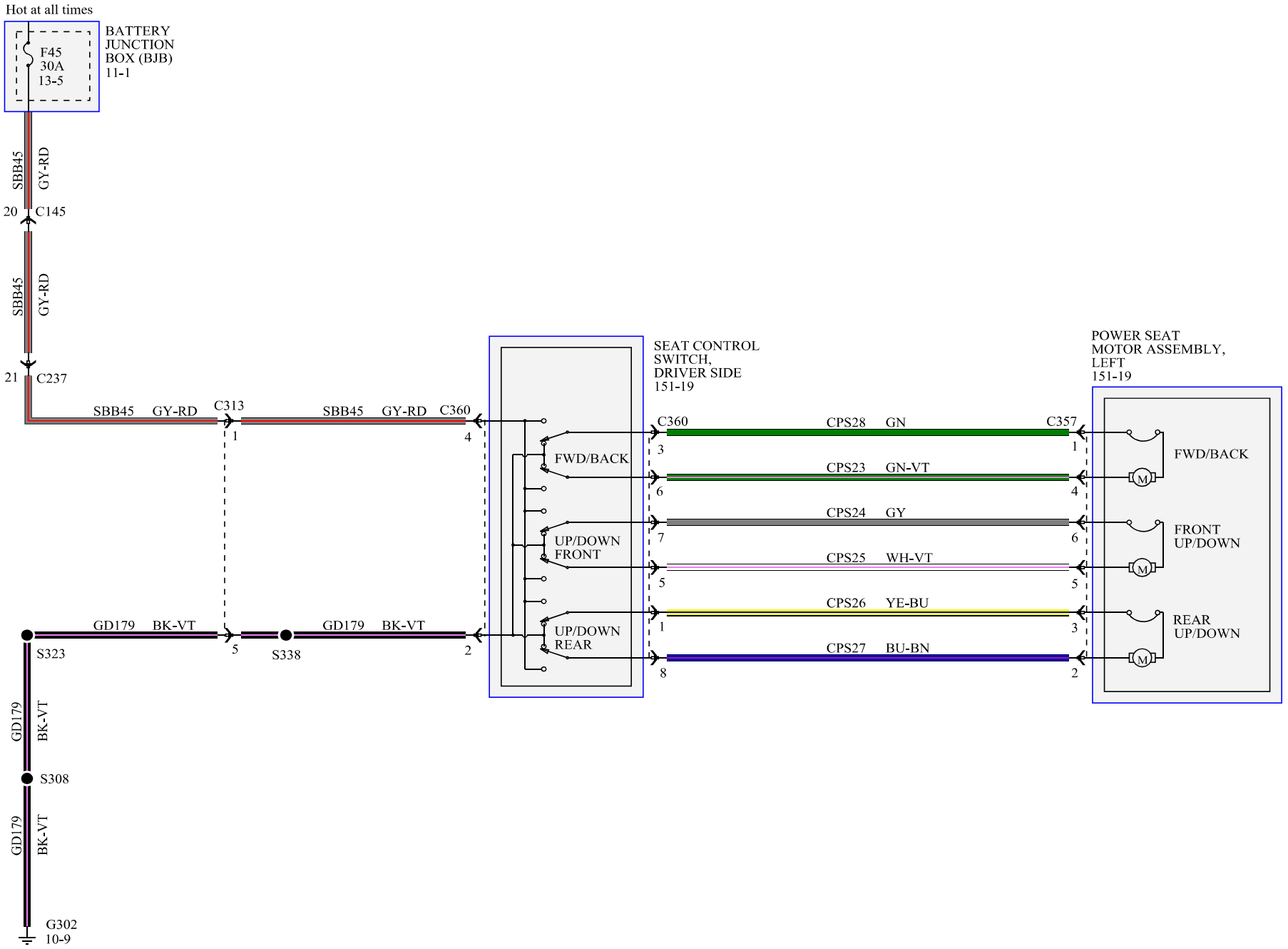

DOOR LOCK SWITCH, DRIVER SIDE 151-21
1) LOCK
2) UNLOCK
C505
2
CBP41 BU
C555
29
CBP41 BU
S301
CBP41 BU
13-15
POWER DISTRIBUTION/SJB
CPK23 YE-VT
3
13
CPK23 YE-VT
CPK19 BU-GN
1
14
CPK19 BU-GN
4 C505
GD179 BK-VT
S501
35 C555
S323
DOOR LOCK SWITCH, PASSENGER SIDE 151-22
1) LOCK
2) UNLOCK
C605
2
CBP41 BU
C655
24
CBP41 BU
CPK23 YE-VT
3
20
CPK23 YE-VT
S305
CPK23 YE-VT
C2280C
4
CPK19 BU-GN
1
21
CPK19 BU-GN
S306
CPK19 BU-GN
17
4 C605
GD179 BK-VT
S639
35 C655
S308
GD179 BK-VT
G302
10-9
SMART JUNCTION BOX (SJB)
11-3 13-20
Sense
Sense
RKE RECEIVER INTERNAL ANT

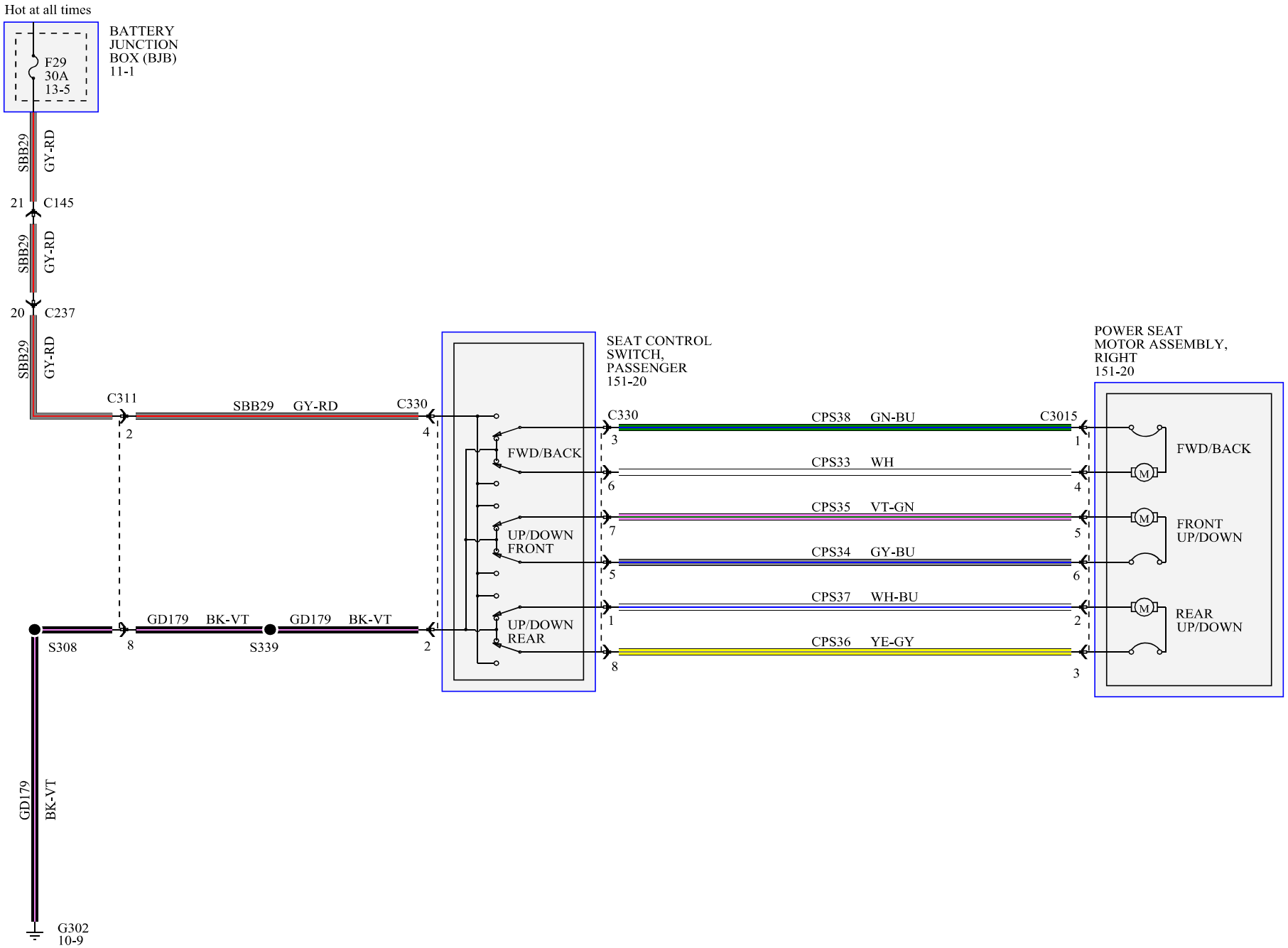

Hot at all times
F17
20A
13-13
SMART
JUNCTION
BOX (SJB)
11-3
Control
Driver Unlock Relay
(Non-serviceable)
All Unlock Relay
(Non-serviceable)
Control
Control
All Lock Relay
(Non-serviceable)
DOOR LOCK
ACTUATOR,
LEFT FRONT
151-21
DOOR LOCK
ACTUATOR,
RIGHT REAR
151-24
DOOR LOCK
ACTUATOR,
LEFT REAR
151-24
DOOR LOCK
ACTUATOR,
PASSENGER SIDE
151-22
C2280D
28
CPL43
VT-GY
C555
43
CPL43
VT-GY
C525
2
C525
1
CPL11
GY-BN
C555
44
CPL11
GY-BN
CPL13
BN-GN
C855
13
S800
C804
2
C804
1
CPL11
GY-BN
C855
14
CPL11
GY-BN
CPL13
BN-GN
6
CPL13
BN-GN
C755
6
S700
C704
2
C704
1
CPL11
GY-BN
C755
14
CPL11
GY-BN
CPL13
BN-GN
13
27
S333
CPL11
GY-BN
6
S302
S308
7
GD179
BK-VT
G302
10-9
C655
39
CPL13
BN-GN
C603
2
C603
1
CPL11
GY-BN
C655
40
CPL11
GY-BN

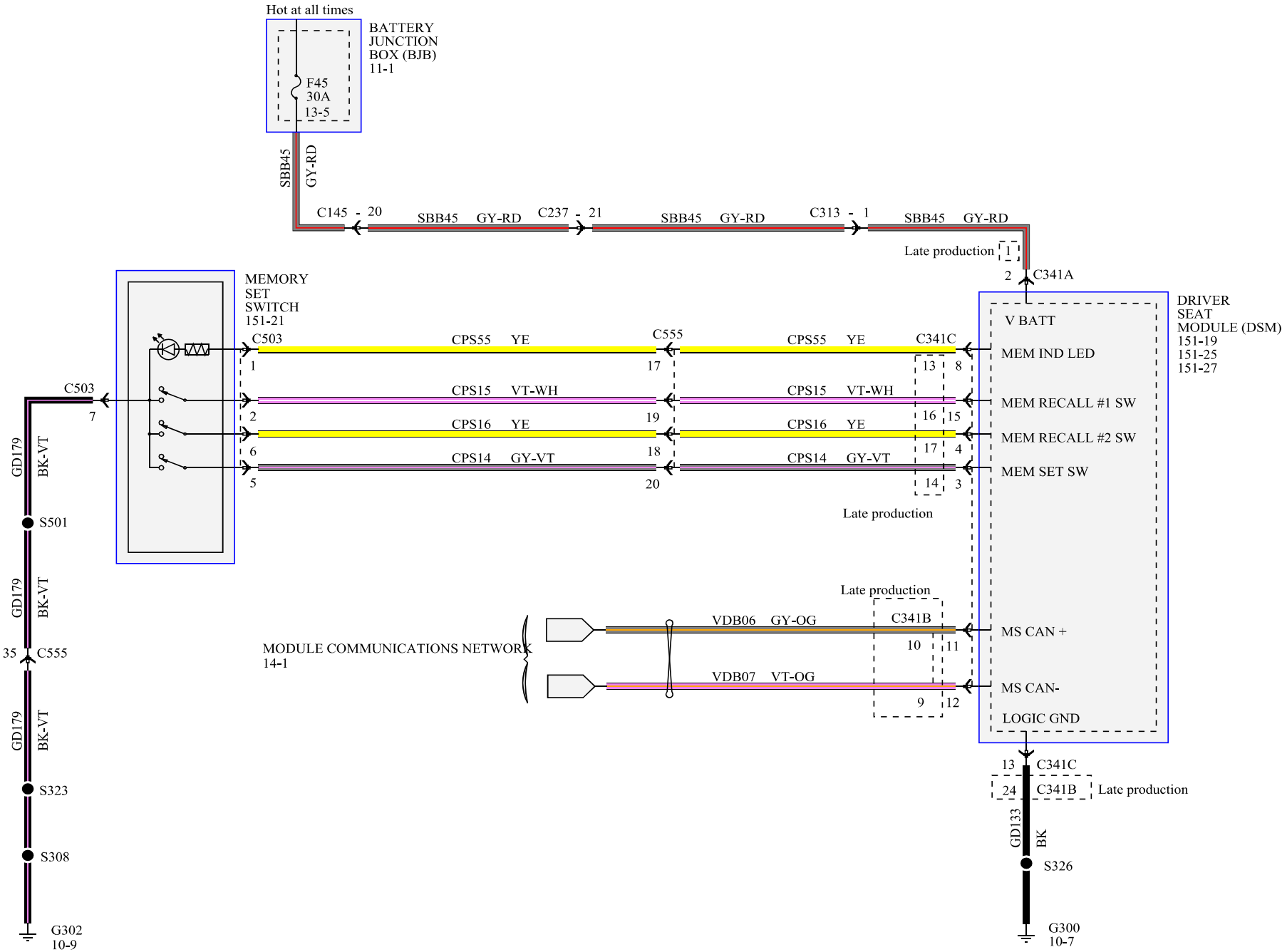

SMART JUNCTION BOX (SJB) 11-3 13-20
Sense
C2280C
14
C555 - 30
CPL26 GN-VT C526
1
DOOR AJAR SWITCH, DRIVER SIDE FRONT 151-21
Ajar
C526
2
GD179 BK-VT
S501
35 C555
C756 - 1 Super Cab
C755 - 5
CPL36 GN C715
3
1
DOOR AJAR SWITCH, DRIVER SIDE REAR 151-23 151-24
Ajar
C715
2
C756 - 1 Super Cab
C755 - 3
GD179 BK-VT
S323
C856 - 6 Super Cab
C855 - 5
CPL39 YE C820
15
1
DOOR AJAR SWITCH, PASSENGER SIDE REAR 151-23 151-24
Ajar
C820
2
C856 - 1 Super Cab
C855 - 3
GD179 BK-VT
S308
C655 - 15
CPL31 WH C602
2
1
DOOR AJAR SWITCH, PASSENGER SIDE FRONT 151-22
Ajar
C602
2
S639
C655 - 35
GD179 BK-VT
GD179 BK-VT
G302
10-9

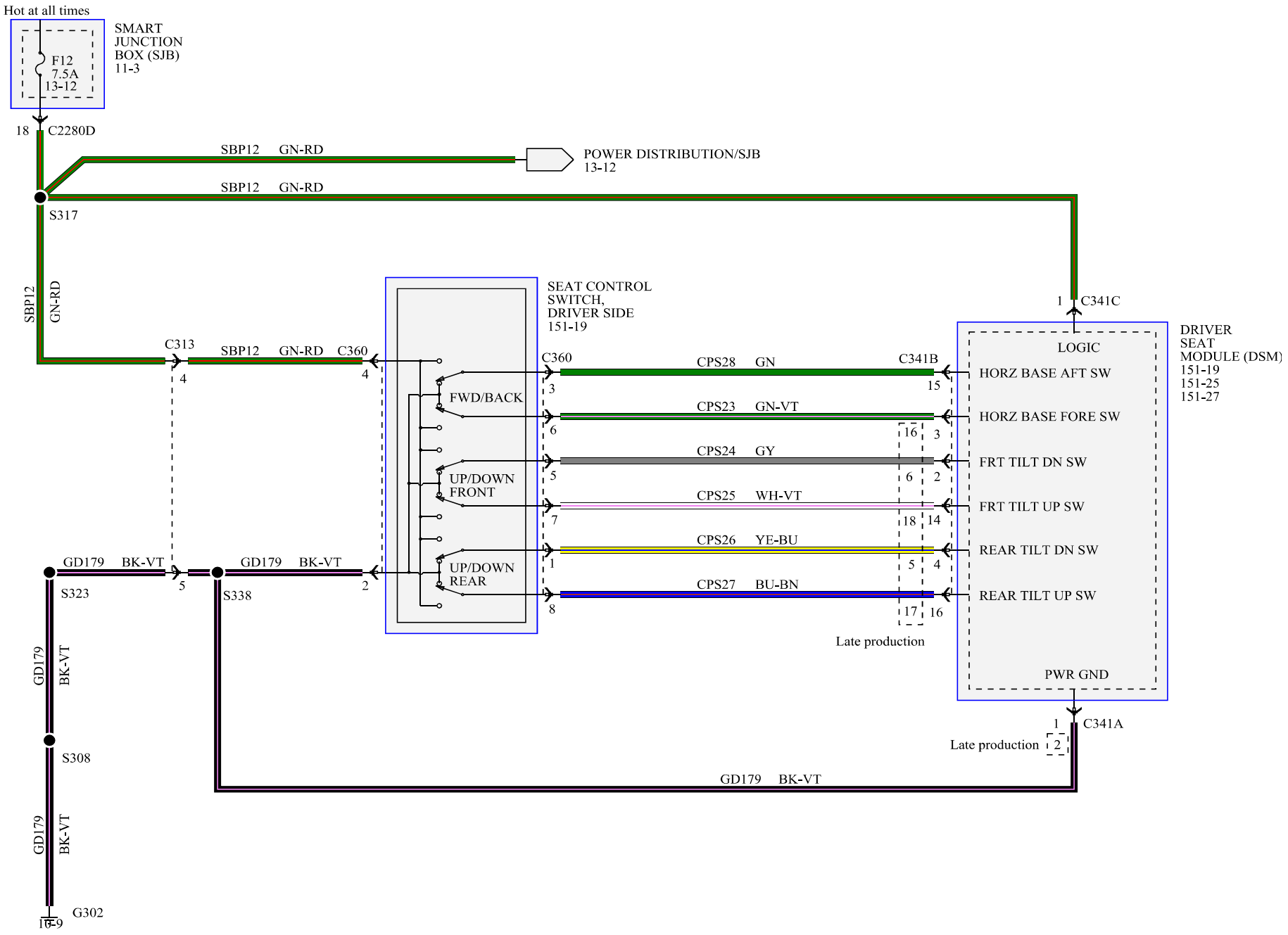

KEYPAD
SWITCH
ASSEMBLY
151-21
SMART
JUNCTION
BOX (SJB)
11-3
13-9
13-20
1) On
2) Off
1/2
3/4
5/6
7/8
9/0
C500
C555
C2280C
CPK28 WH-GN
CPK29 GY-BU
CPK30 VT-GN
CPK31 YE-GN
GD133 BK
HSD
Sense
Sense
Sense
S326
5 C500
GD179 BK-VT
S501
35 C555
GD179 BK-VT
S323
S308
GD179 BK-VT
G302
10-9
GD133 BK
G300
10-7

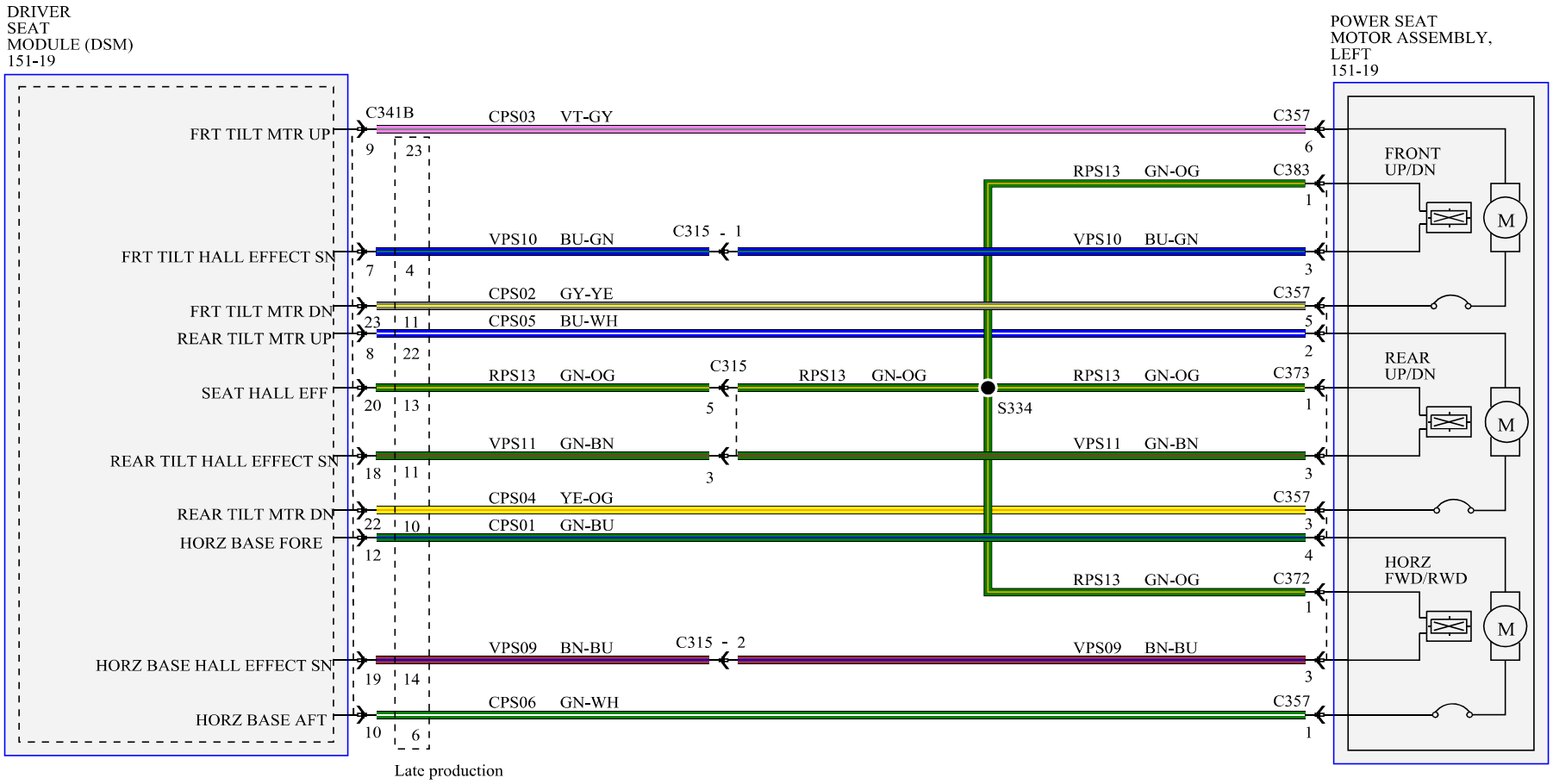

Hot in Run
Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F42 10A 13-18
F18 20A 13-12
1 C2280B
2 C2280D
POWER DISTRIBUTION/SJB 13-18
CBP42 GN
S210
HEATED SEAT RELAY, DRIVER SIDE FRONT 151-19
HEATED SEAT RELAY, PASSENGER SIDE FRONT 151-20
CHS02 YE-BU C359
C359 C313 SBP18 YE-RD
SBP18 YE-RD C311 C329
C329 CHS07 GY-BU
7 C212
S311
CBP42 GN
S310
HVAC-EMTC 54-2
C2357A CONTROL C2357A
CHS29 WH-BU
CHS30 GY-YE
With EMTC
HVAC-EATC 55-3
C228B CONTROL C228B
C237
C212
With EATC
C364 C364 CHS01 GY-VT C365 C365
SEAT CUSHION HEATER MAT, LEFT FRONT 151-19
SEAT BACK REST HEATER MAT, LEFT FRONT 151-19
S338
GD179 BK-VT
C313
S323
S339
C335 C335 CHS06 BU-BN C334 C334
SEAT BACK REST HEATER MAT, RIGHT FRONT 151-20
SEAT CUSHION HEATER MAT, RIGHT FRONT 151-20
C311
S308
G302 10-9

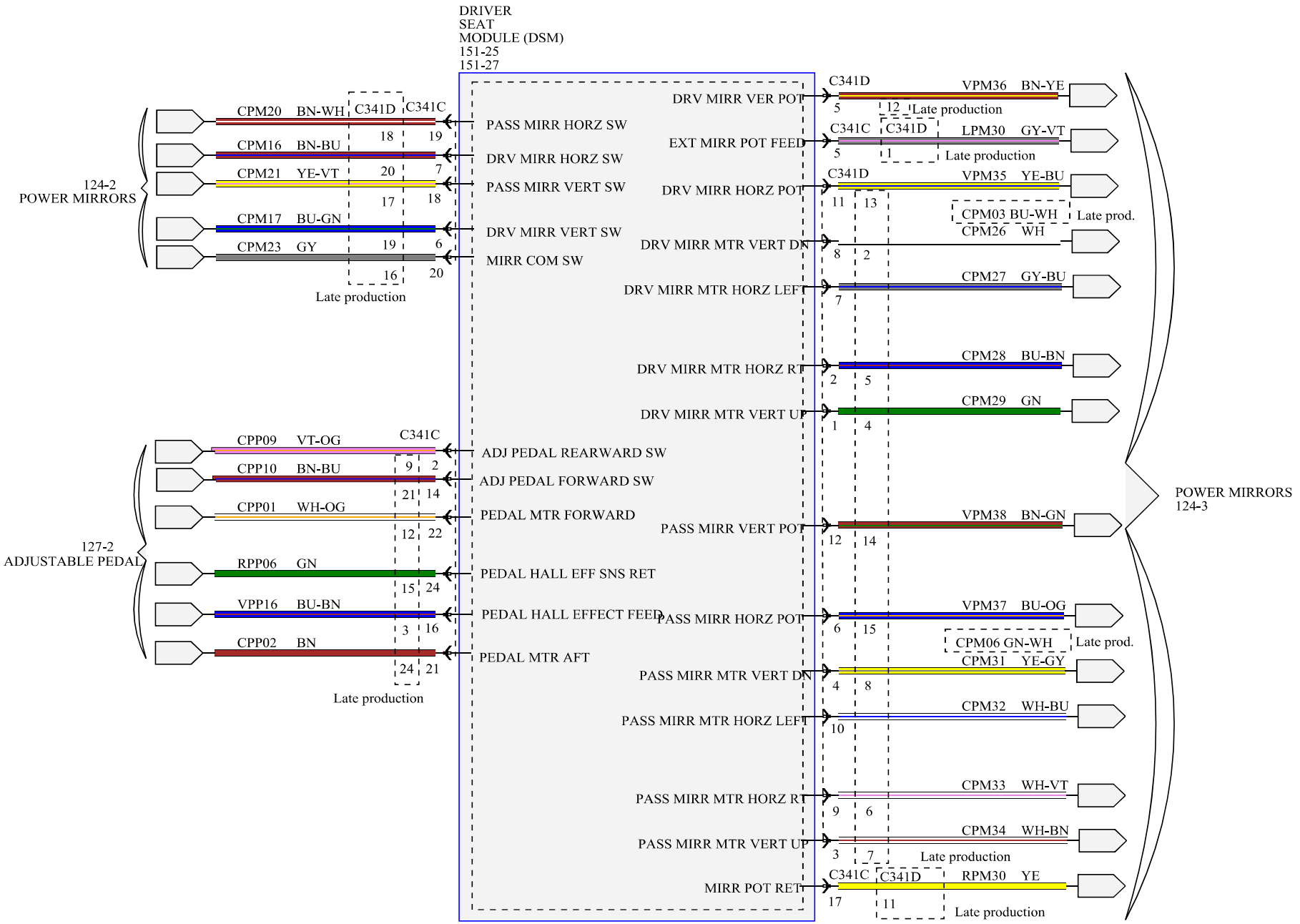

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F45 30A 13-5
SBB45 GY-RD
20 C145
SBB45 GY-RD
21 C237
SBB45 GY-RD C313 1
SBB45 GY-RD C360 4
GD179 BK-VT 5 S323
GD179 BK-VT S338 2
GD179 BK-VT S308
GD179 BK-VT G302 10-9
SEAT CONTROL SWITCH, DRIVER SIDE 151-19
FWD/BACK
UP/DOWN FRONT
UP/DOWN REAR
C360
3
6
7
5
1
8
CPS28 GN
CPS23 GN-VT
CPS24 GY
CPS25 WH-VT
CPS26 YE-BU
CPS27 BU-BN
C357
1
4
6
5
3
2
POWER SEAT MOTOR ASSEMBLY, LEFT 151-19
FWD/BACK
FRONT UP/DOWN
REAR UP/DOWN
M


Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F29 30A 13-5
SBB29 GY-RD
21 C145
SBB29 GY-RD
20 C237
SBB29 GY-RD
C311
2
SBB29 GY-RD
C330
4
SEAT CONTROL SWITCH, PASSENGER 151-20
FWD/BACK
UP/DOWN FRONT
UP/DOWN REAR
C330
3
6
7
5
1
8
CPS38 GN-BU
CPS33 WH
CPS35 VT-GN
CPS34 GY-BU
CPS37 WH-BU
CPS36 YE-GY
C3015
1
4
5
6
2
3
POWER SEAT MOTOR ASSEMBLY, RIGHT 151-20
FWD/BACK
FRONT UP/DOWN
REAR UP/DOWN
GD179 BK-VT
8
S308
GD179 BK-VT
S339
2
GD179 BK-VT
G302 10-9

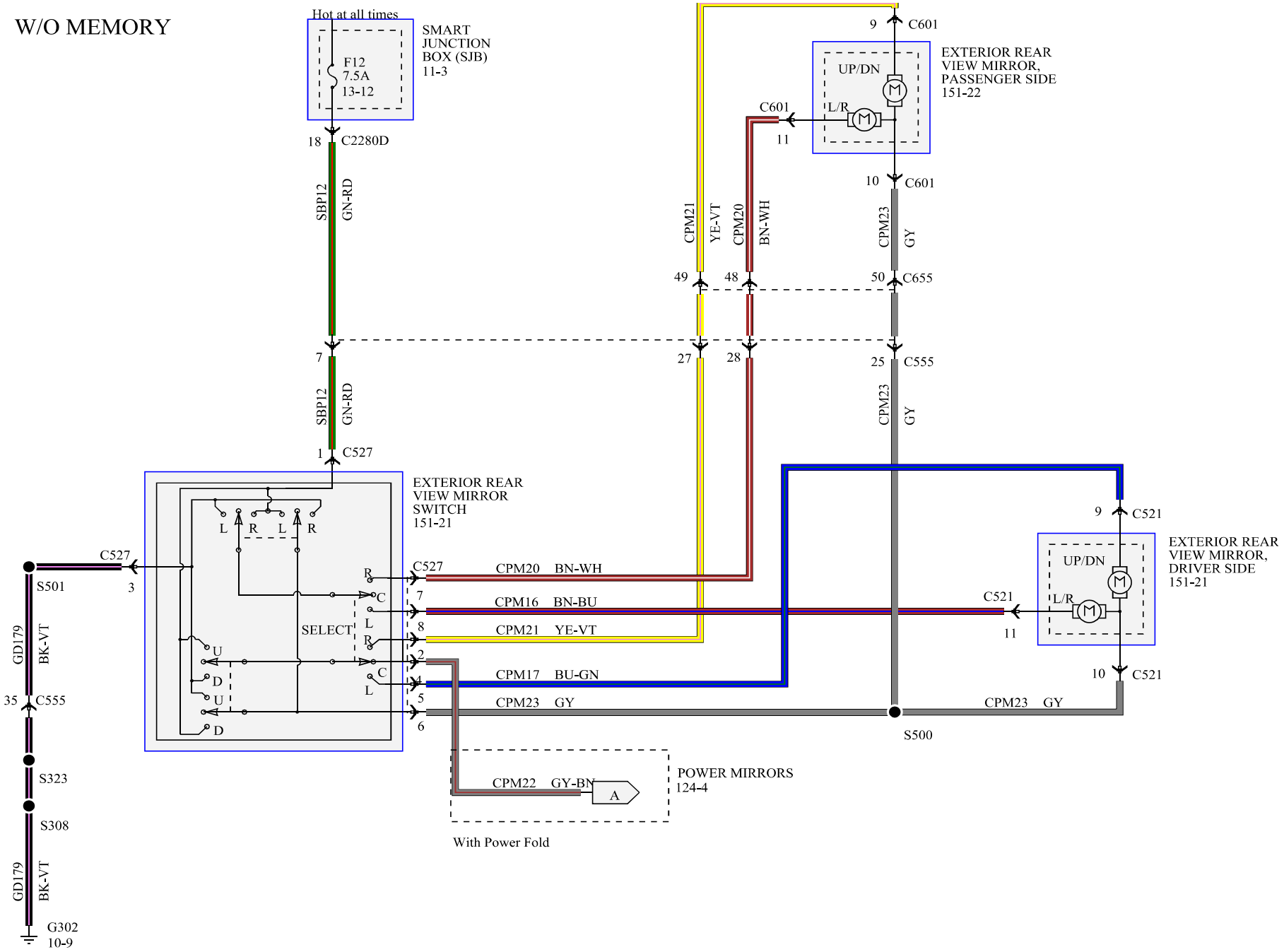

Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F45 30A 13-5
SBB45 GY-RD
C145 20 SBB45 GY-RD C237 21 SBB45 GY-RD C313 1 SBB45 GY-RD
Late production 1
2 C341A
DRIVER SEAT MODULE (DSM) 151-19 151-25 151-27
V BATT
MEM IND LED
MEM RECALL #1 SW
MEM RECALL #2 SW
MEM SET SW
MS CAN +
MS CAN-
LOGIC GND
MEMORY SET SWITCH 151-21
C503
CPS55 YE
CPS15 VT-WH
CPS16 YE
CPS14 GY-VT
C555
C341C
Late production
C503 7
GD179 BK-VT
S501
GD179 BK-VT
35 C555
GD179 BK-VT
S323
S308
G302 10-9
MODULE COMMUNICATIONS NETWORK 14-1
VDB06 GY-OG
VDB07 VT-OG
C341B
Late production
13 C341C
24 C341B Late production
GD133 BK
S326
G300 10-7


Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F12 7.5A 13-12
18 C2280D
SBP12 GN-RD
POWER DISTRIBUTION/SJB 13-12
SBP12 GN-RD
S317
SBP12 GN-RD
C313
4
SBP12 GN-RD C360
4
SEAT CONTROL SWITCH, DRIVER SIDE 151-19
FWD/BACK
UP/DOWN FRONT
UP/DOWN REAR
C360
3
6
5
7
1
8
CPS28 GN
CPS23 GN-VT
CPS24 GY
CPS25 WH-VT
CPS26 YE-BU
CPS27 BU-BN
C341B
15
16
3
6
2
18
14
5
4
17
16
Late production
1 C341C
DRIVER SEAT MODULE (DSM) 151-19 151-25 151-27
LOGIC
HORZ BASE AFT SW
HORZ BASE FORE SW
FRT TILT DN SW
FRT TILT UP SW
REAR TILT DN SW
REAR TILT UP SW
PWR GND
1
C341A
Late production
2
GD179 BK-VT
5
GD179 BK-VT
2
S323
S338
GD179 BK-VT
S308
GD179 BK-VT
G302
GD179 BK-VT

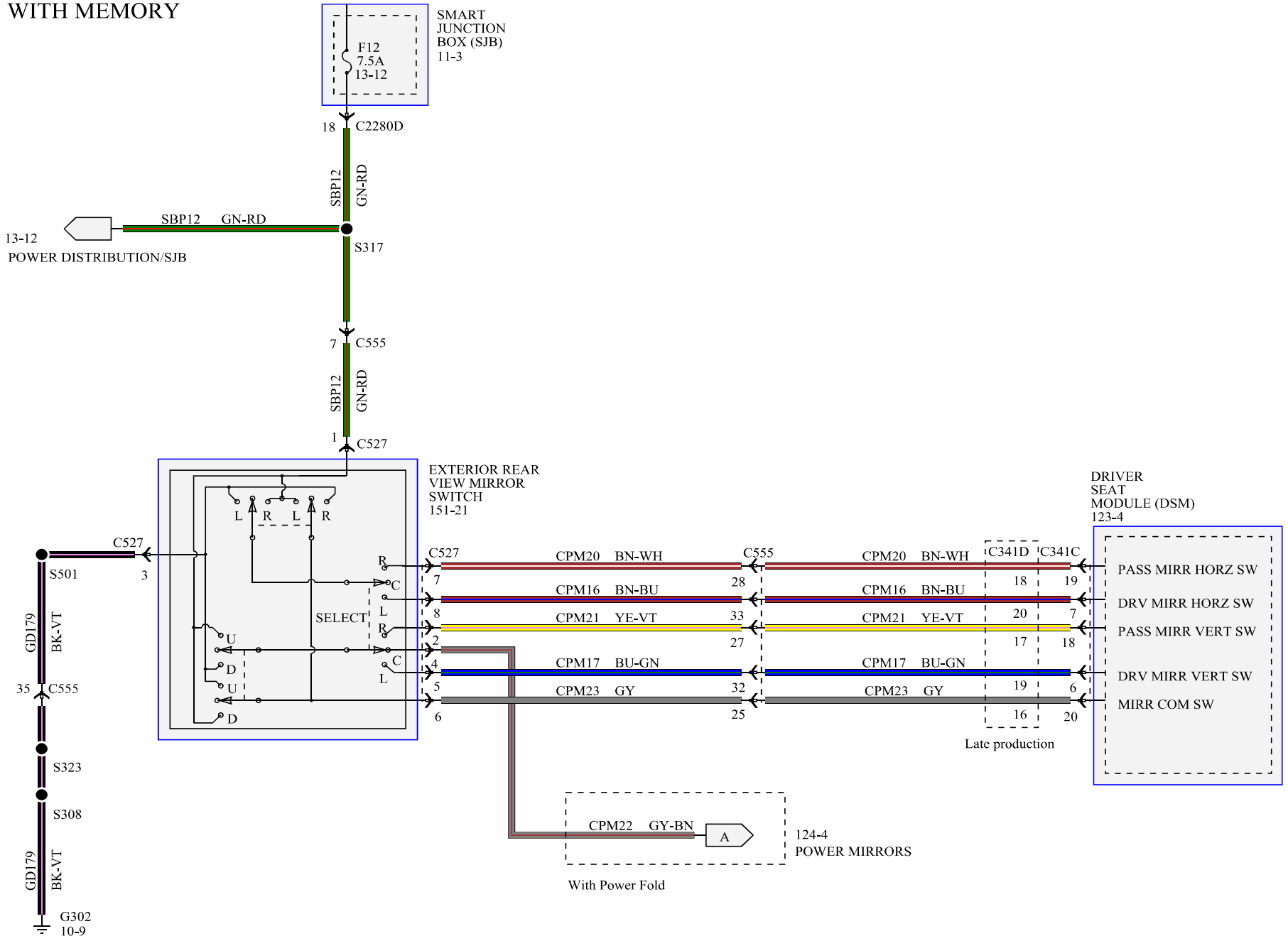

DRIVER
SEAT
MODULE (DSM)
151-19
POWER SEAT
MOTOR ASSEMBLY,
LEFT
151-19
C341B
FRT TILT MTR UP
FRT TILT HALL EFFECT SN
FRT TILT MTR DN
REAR TILT MTR UP
SEAT HALL EFF
REAR TILT HALL EFFECT SN
REAR TILT MTR DN
HORZ BASE FORE
HORZ BASE HALL EFFECT SN
HORZ BASE AFT
CPS03 VT-GY
VPS10 BU-GN
CPS02 GY-YE
CPS05 BU-WH
RPS13 GN-OG
VPS11 GN-BN
CPS04 YE-OG
CPS01 GN-BU
VPS09 BN-BU
CPS06 GN-WH
C315 - 1
C315 - 2
C315
S334
C357
C383
C373
C372
FRONT
UP/DN
REAR
UP/DN
HORZ
FWD/RWD
M
Late production


DRIVER
SEAT
MODULE (DSM)
151-25
151-27
124-2
POWER MIRRORS
CPM20 BN-WH
CPM16 BN-BU
CPM21 YE-VT
CPM17 BU-GN
CPM23 GY
C341D
C341C
18
19
20
7
17
18
19
6
16
20
Late production
PASS MIRR HORZ SW
DRV MIRR HORZ SW
PASS MIRR VERT SW
DRV MIRR VERT SW
MIRR COM SW
127-2
ADJUSTABLE PEDAL
CPP09 VT-OG
CPP10 BN-BU
CPP01 WH-OG
RPP06 GN
VPP16 BU-BN
CPP02 BN
9
2
21
14
12
22
15
24
3
16
24
21
Late production
ADJ PEDAL REARWARD SW
ADJ PEDAL FORWARD SW
PEDAL MTR FORWARD
PEDAL HALL EFF SNS RET
PEDAL HALL EFFECT FEED
PEDAL MTR AFT
DRV MIRR VER POT
EXT MIRR POT FEED
DRV MIRR HORZ POT
DRV MIRR MTR VERT DN
DRV MIRR MTR HORZ LEFT
DRV MIRR MTR HORZ RT
DRV MIRR MTR VERT UP
PASS MIRR VERT POT
PASS MIRR HORZ POT
PASS MIRR MTR VERT DN
PASS MIRR MTR HORZ LEFT
PASS MIRR MTR HORZ RT
PASS MIRR MTR VERT UP
MIRR POT RET
C341D
VPM36 BN-YE
5
12
Late production
C341C
C341D
LPM30 GY-VT
5
1
Late production
C341D
VPM35 YE-BU
11
13
CPM03 BU-WH
Late prod.
CPM26 WH
8
2
CPM27 GY-BU
7
CPM28 BU-BN
2
5
CPM29 GN
1
4
VPM38 BN-GN
12
14
VPM37 BU-OG
6
15
CPM06 GN-WH
Late prod.
CPM31 YE-GY
4
8
CPM32 WH-BU
10
CPM33 WH-VT
9
6
CPM34 WH-BN
3
7
Late production
C341C
C341D
RPM30 YE
17
11
Late production
POWER MIRRORS
124-3

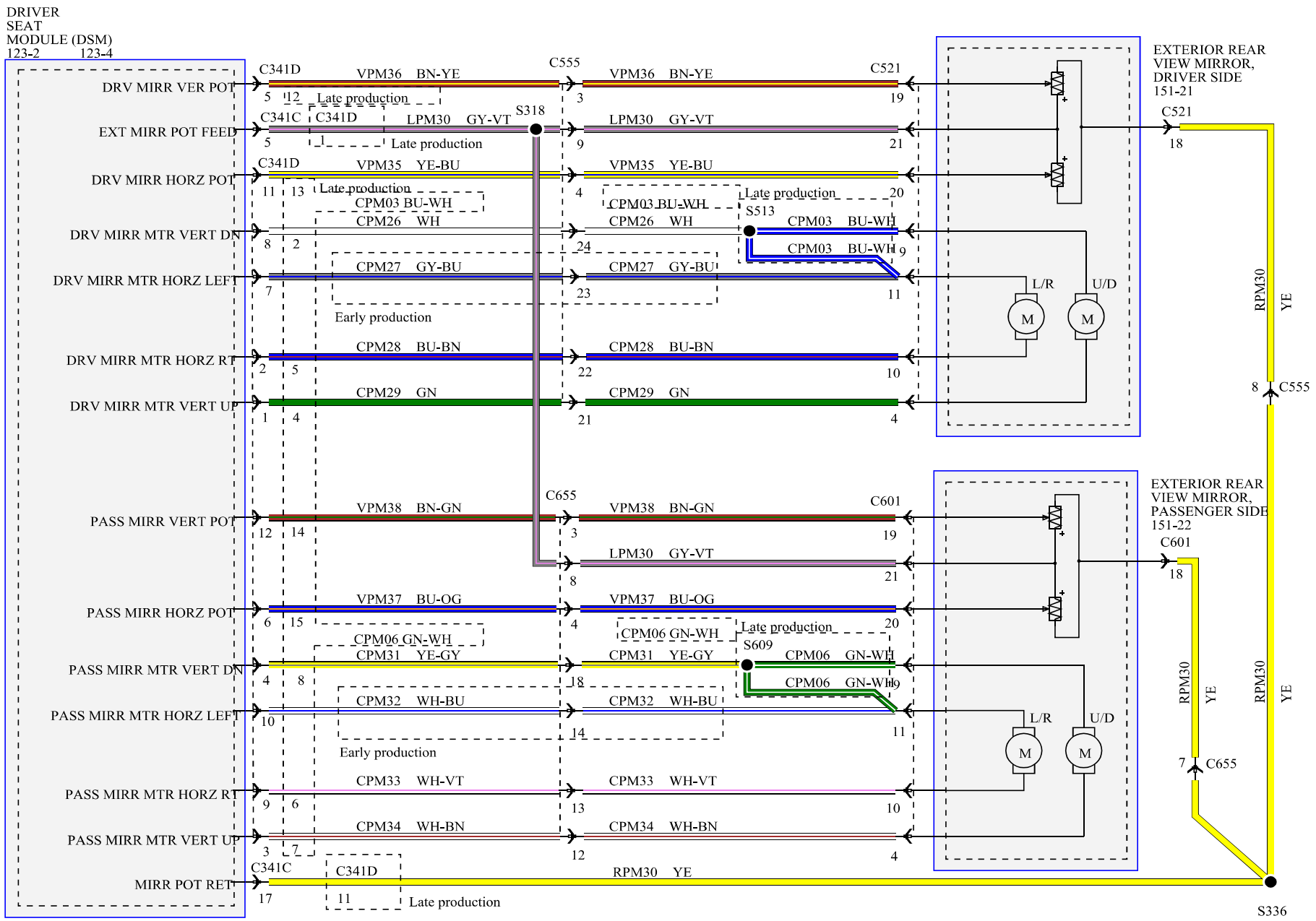
W/O MEMORY


Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F12 7.5A 13-12
18 C2280D
SBP12 GN-RD
7
SBP12 GN-RD
1 C527
EXTERIOR REAR VIEW MIRROR SWITCH 151-21
L R L R
SELECT
U D U D
C527
S501
3
GD179 BK-VT
35 C555
S323
S308
GD179 BK-VT
G302 10-9
R C L R C L
1 2 4 5 6 7 8
C527
CPM20 BN-WH
CPM16 BN-BU
CPM21 YE-VT
CPM17 BU-GN
CPM23 GY
CPM22 GY-BN
A
POWER MIRRORS 124-4
With Power Fold
9 C601
EXTERIOR REAR VIEW MIRROR, PASSENGER SIDE 151-22
UP/DN
L/R
C601
11
10 C601
CPM21 YE-VT
CPM20 BN-WH
CPM23 GY
49
48
50 C655
27
28
25 C555
CPM23 GY
S500
9 C521
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE 151-21
UP/DN
L/R
C521
11
10 C521
CPM23 GY

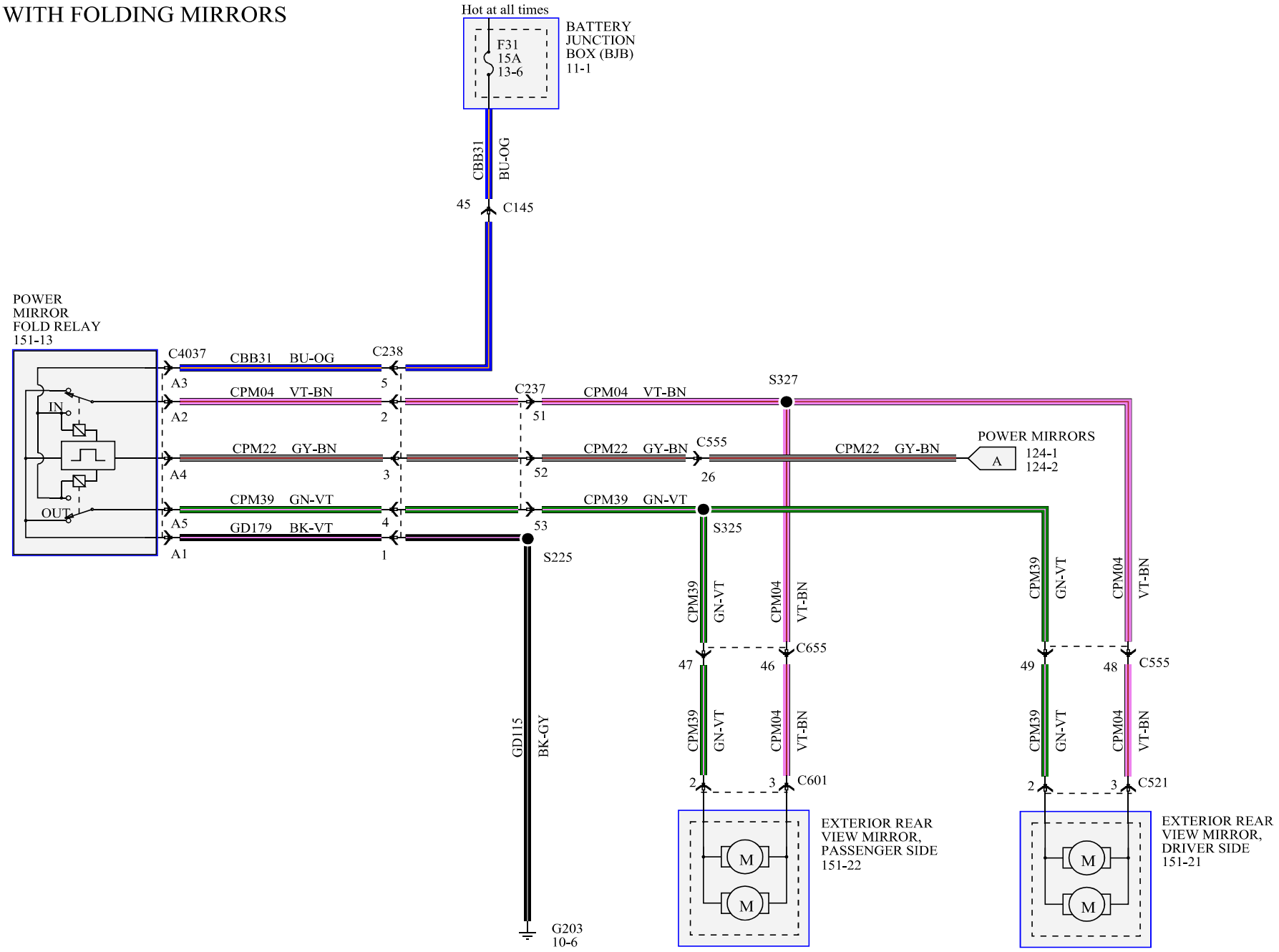
WITH MEMORY


SMART JUNCTION BOX (SJB) 11-3
F12 7.5A 13-12
18 C2280D
SBP12 GN-RD
13-12 POWER DISTRIBUTION/SJB
SBP12 GN-RD
S317
7 C555
SBP12 GN-RD
1 C527
EXTERIOR REAR VIEW MIRROR SWITCH 151-21
L R L R
SELECT
U D U D
C527 3
S501
GD179 BK-VT
35 C555
S323
S308
GD179 BK-VT
G302 10-9
C527 7 CPM20 BN-WH C555 28 CPM20 BN-WH C341D 18 C341C 19
8 CPM16 BN-BU 33 CPM16 BN-BU 20 7
2 CPM21 YE-VT 27 CPM21 YE-VT 17 18
4 CPM17 BU-GN CPM17 BU-GN
5 CPM23 GY 32 CPM23 GY 19 6
6 25 16 20
Late production
DRIVER SEAT MODULE (DSM) 123-4
PASS MIRR HORZ SW
DRV MIRR HORZ SW
PASS MIRR VERT SW
DRV MIRR VERT SW
MIRR COM SW
CPM22 GY-BN A
124-4 POWER MIRRORS
With Power Fold

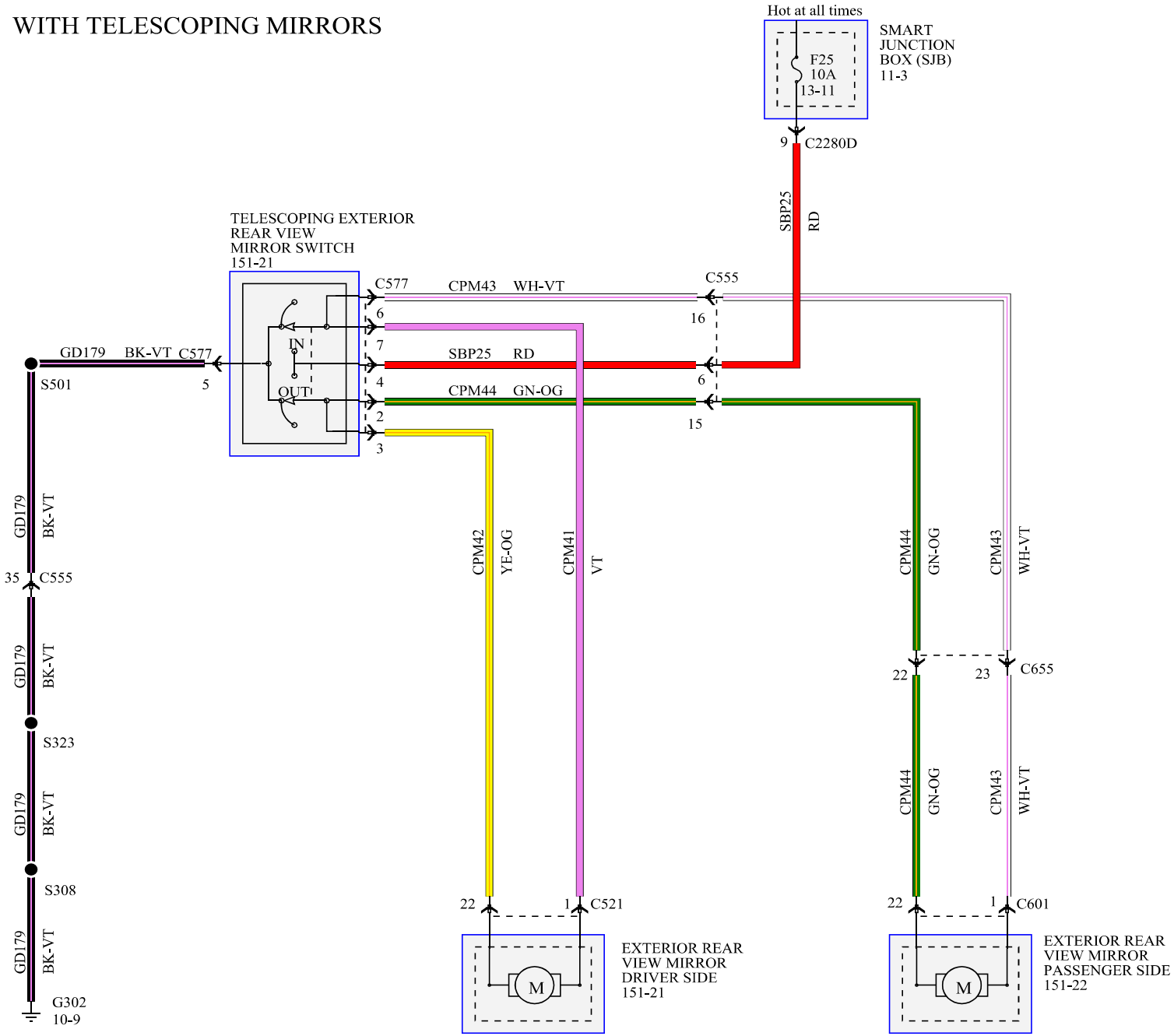
WITH MEMORY


DRIVER SEAT MODULE (DSM)
123-2 123-4
DRV MIRR VER POT
EXT MIRR POT FEED
DRV MIRR HORZ POT
DRV MIRR MTR VERT DN
DRV MIRR MTR HORZ LEFT
DRV MIRR MTR HORZ RT
DRV MIRR MTR VERT UP
PASS MIRR VERT POT
PASS MIRR HORZ POT
PASS MIRR MTR VERT DN
PASS MIRR MTR HORZ LEFT
PASS MIRR MTR HORZ RT
PASS MIRR MTR VERT UP
MIRR POT RET
C341D
C341C
C555
C521
C655
C601
S318
S513
S609
S336
VPM36 BN-YE
LPM30 GY-VT
VPM35 YE-BU
CPM03 BU-WH
CPM26 WH
CPM27 GY-BU
CPM28 BU-BN
CPM29 GN
VPM38 BN-GN
VPM37 BU-OG
CPM06 GN-WH
CPM31 YE-GY
CPM32 WH-BU
CPM33 WH-VT
CPM34 WH-BN
RPM30 YE
Late production
Early production
EXTERIOR REAR VIEW MIRROR, DRIVER SIDE 151-21
EXTERIOR REAR VIEW MIRROR, PASSENGER SIDE 151-22
L/R
U/D
M

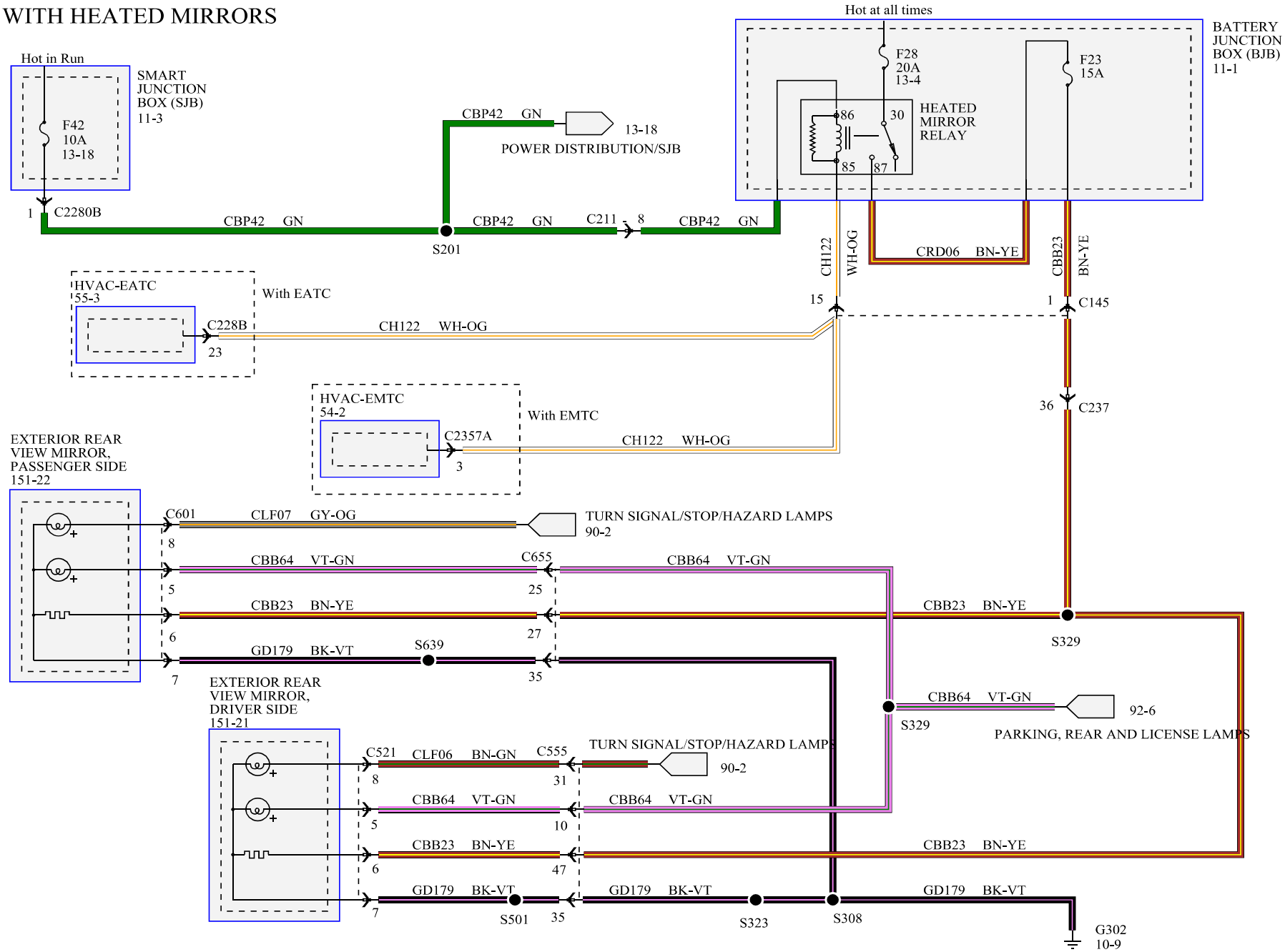
WITH FOLDING MIRRORS



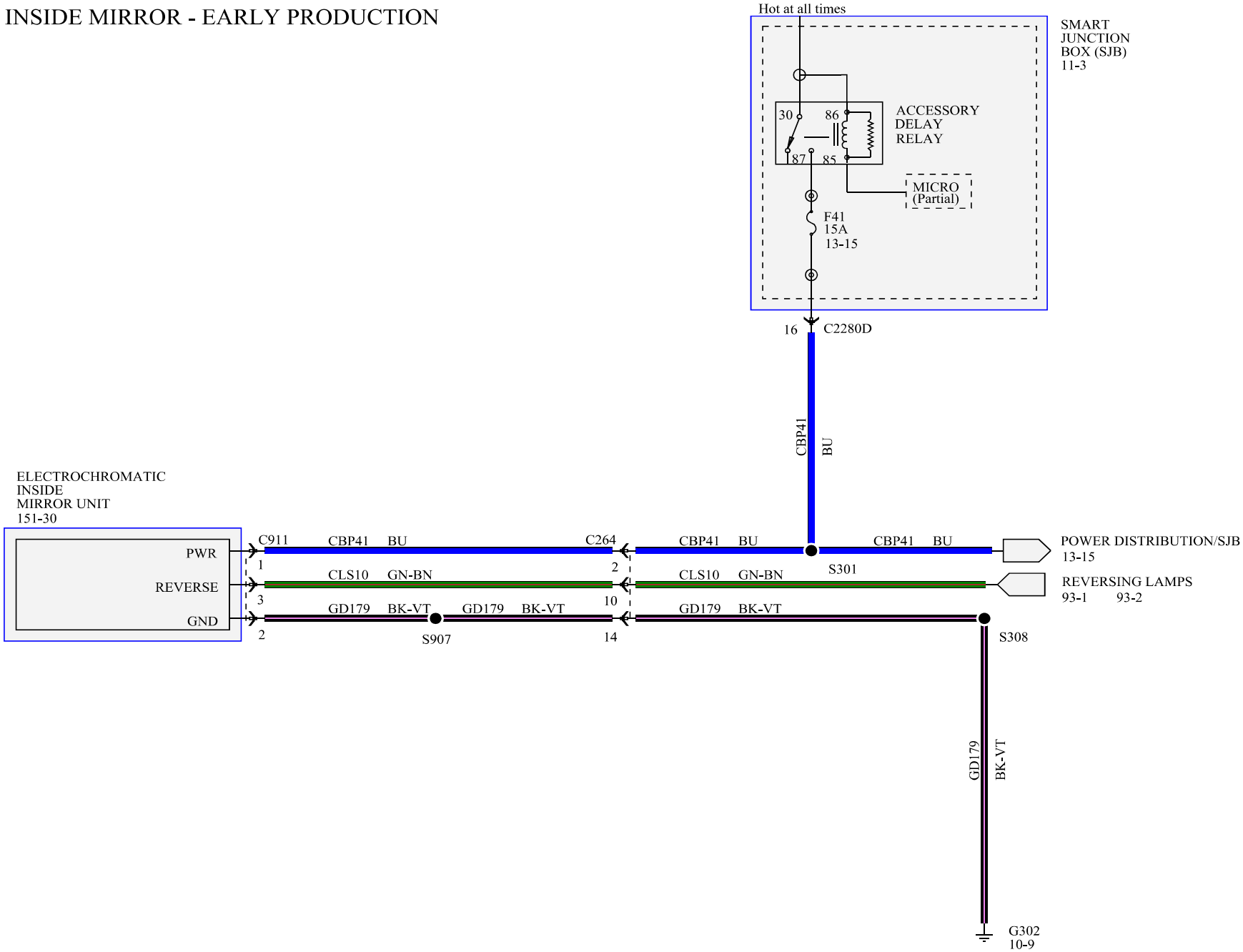
WITH TELESCOPING MIRRORS



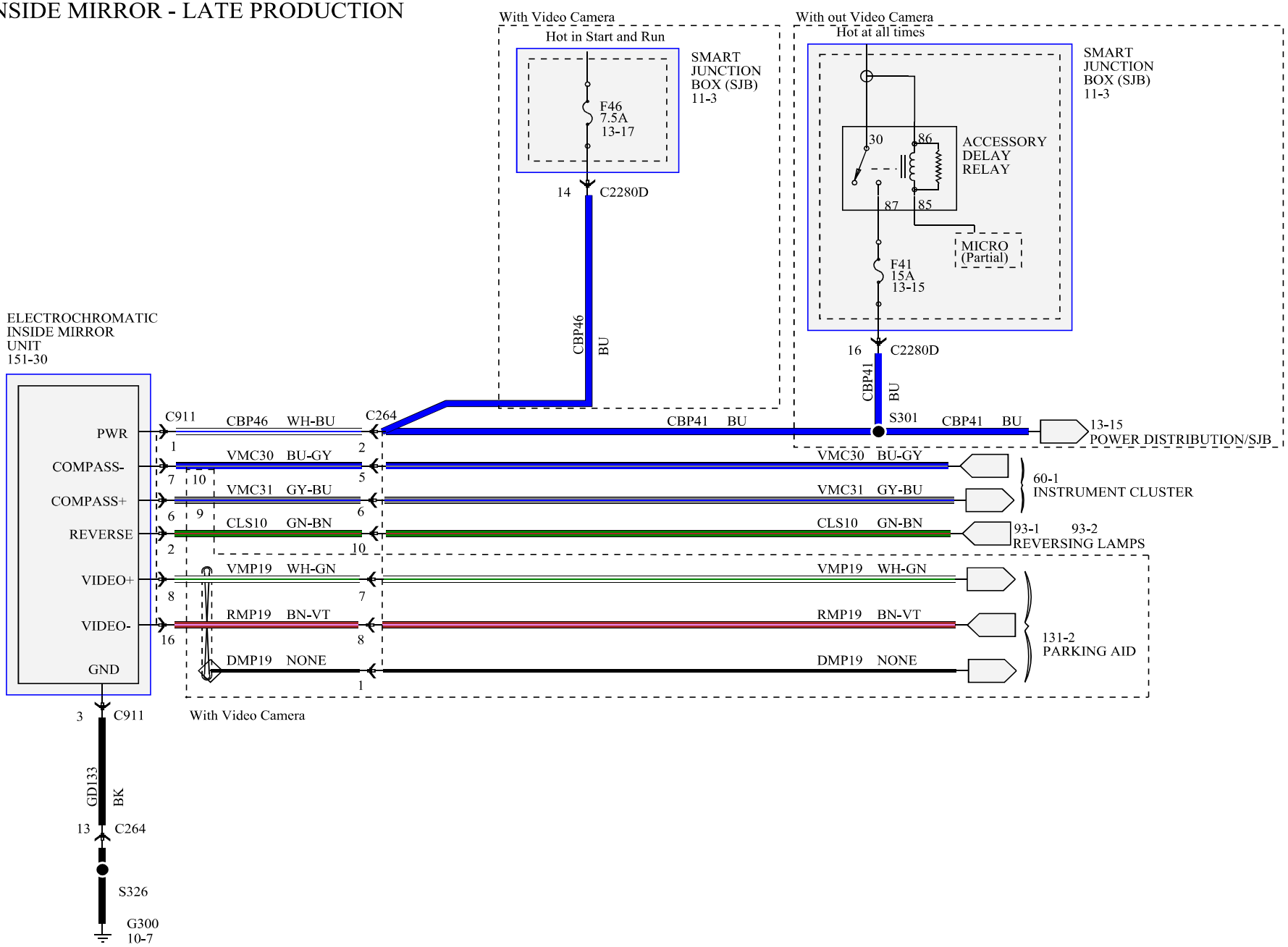
WITH HEATED MIRRORS



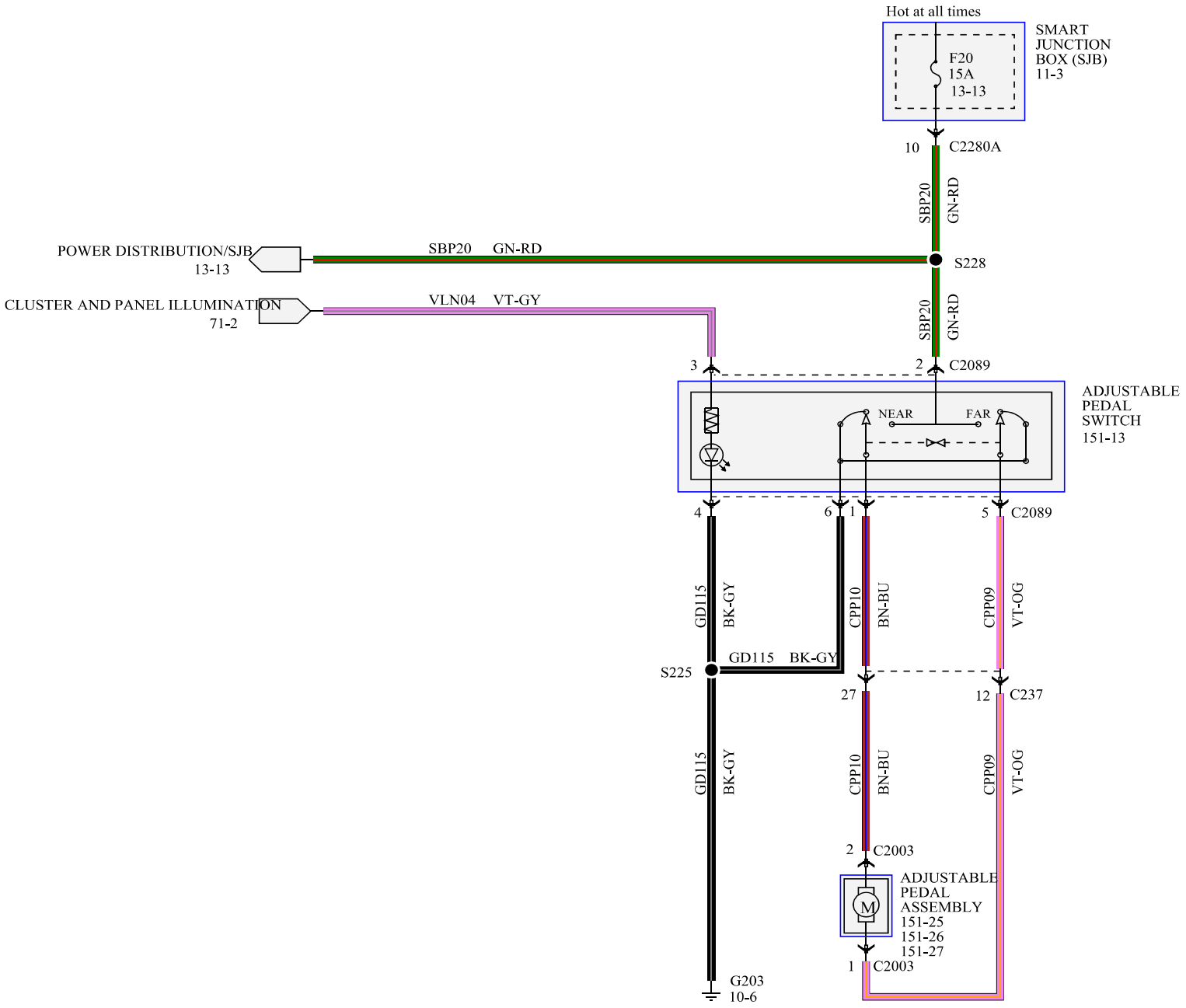
INSIDE MIRROR - EARLY PRODUCTION

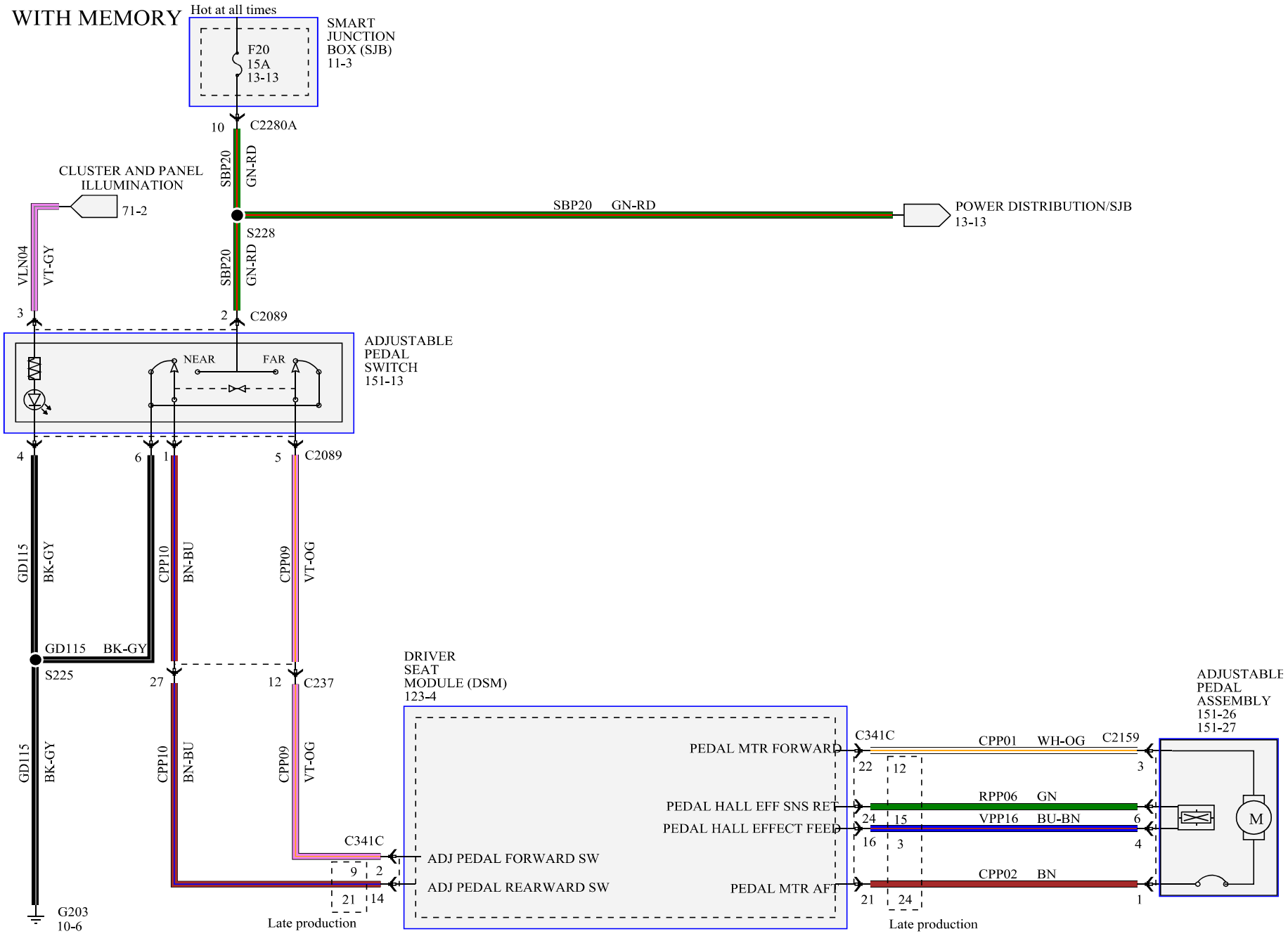


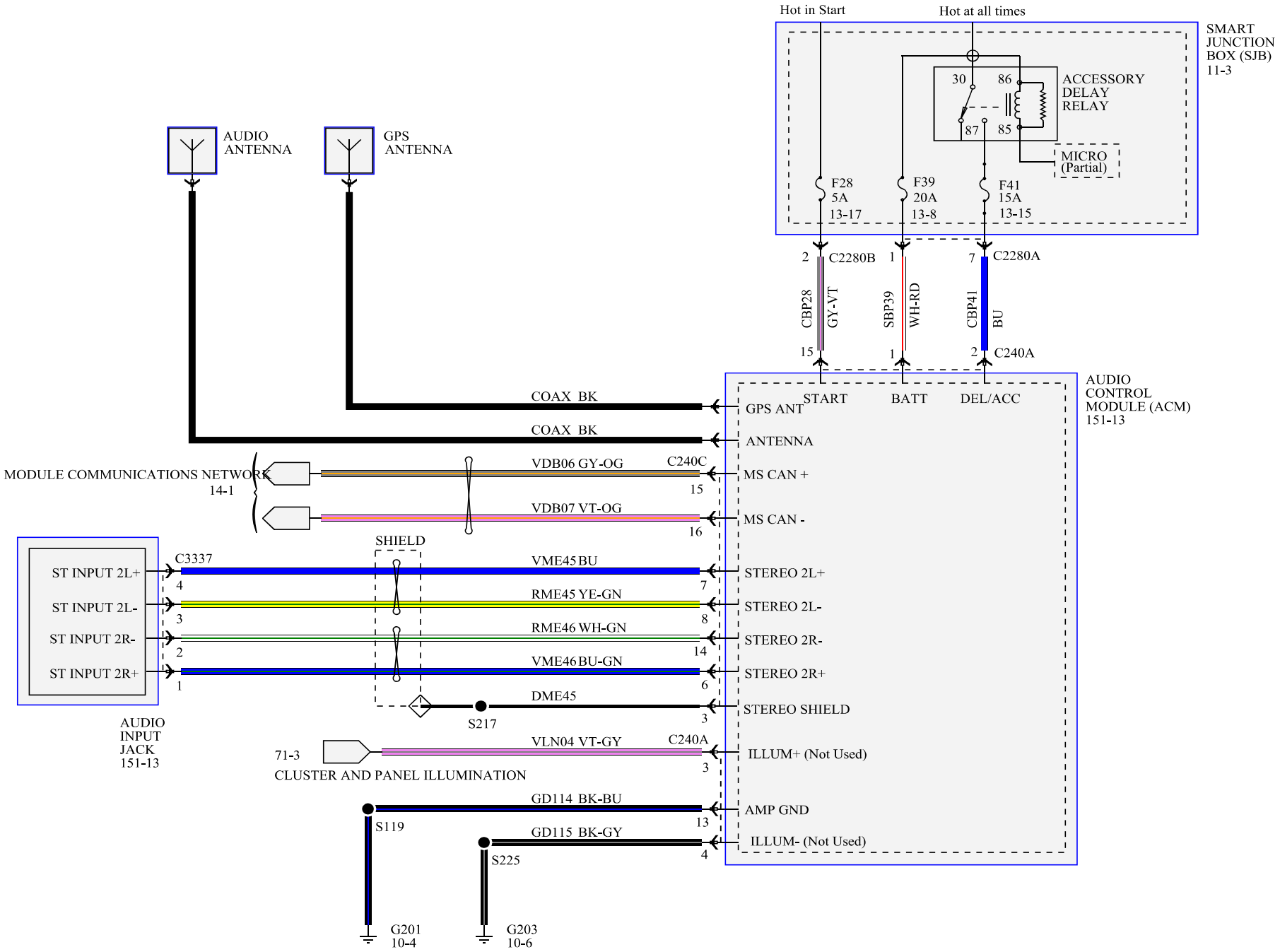
INSIDE MIRROR - LATE PRODUCTION



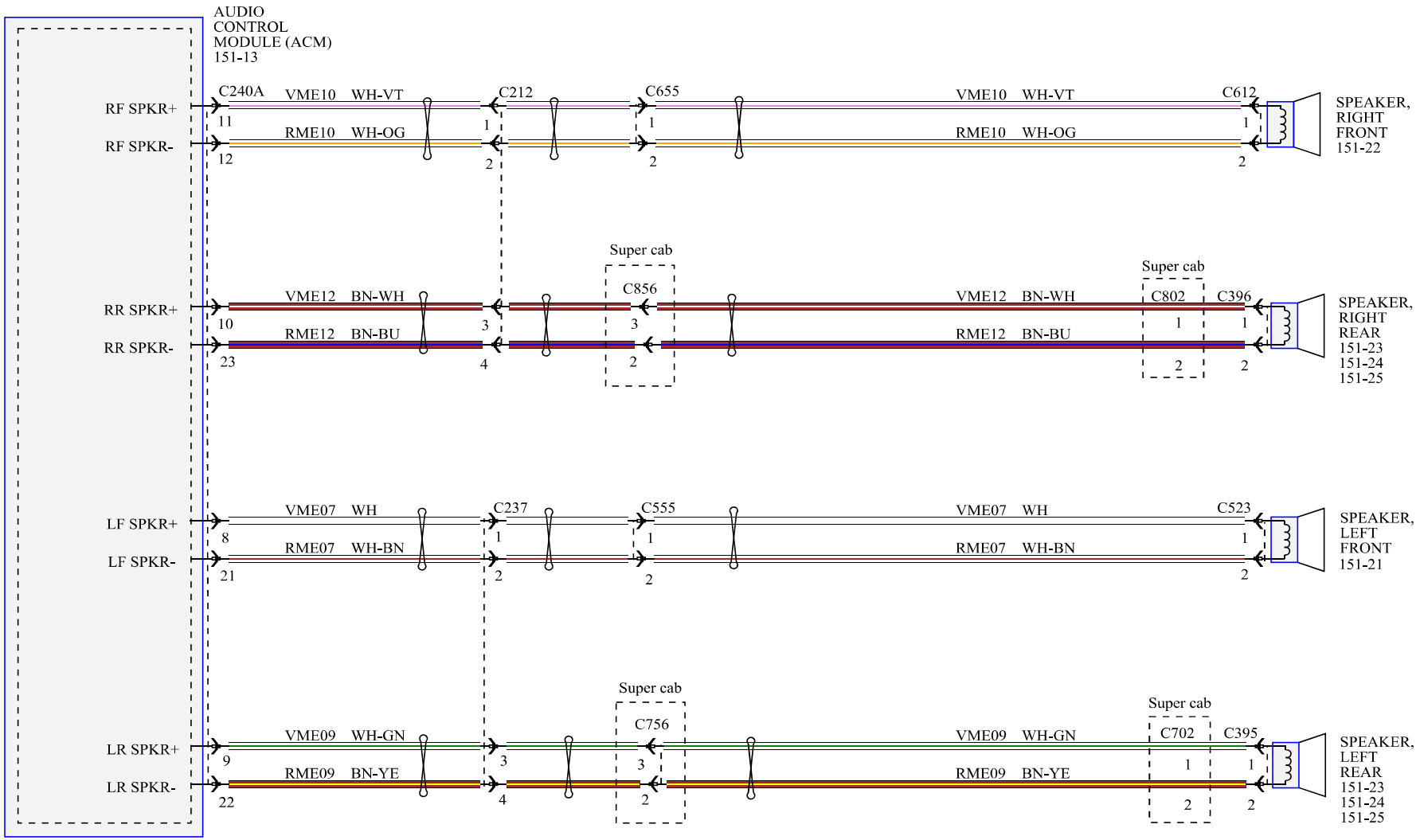
WITHOUT MEMORY



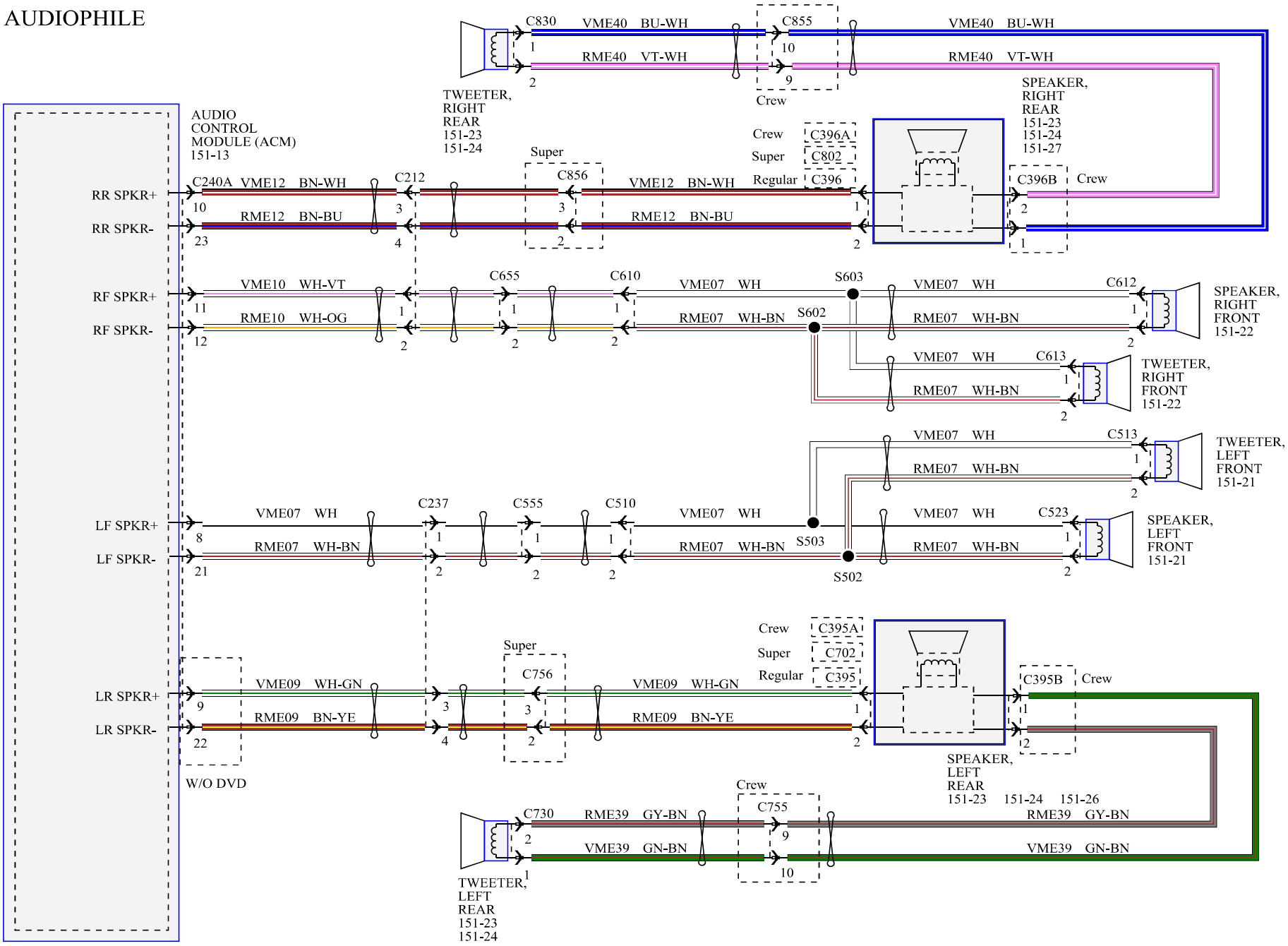

WITH MEMORY
Hot at all times
F20
15A
13-13
SMART
JUNCTION
BOX (SJB)
11-3
10
C2280A
SBP20
GN-RD
CLUSTER AND PANEL
ILLUMINATION
71-2
SBP20 GN-RD
POWER DISTRIBUTION/SJB
13-13
S228
VLN04
VT-GY
SBP20
GN-RD
3
2
C2089
ADJUSTABLE
PEDAL
SWITCH
151-13
NEAR
FAR
4
6
1
5
C2089
GD115
BK-GY
CPP10
BN-BU
CPP09
VT-OG
GD115 BK-GY
S225
27
12
C237
DRIVER
SEAT
MODULE (DSM)
123-4
ADJUSTABLE
PEDAL
ASSEMBLY
151-26
151-27
C341C
PEDAL MTR FORWARD
CPP01 WH-OG C2159
22
12
3
PEDAL HALL EFF SNS RET
RPP06 GN
24
15
PEDAL HALL EFFECT FEED
VPP16 BU-BN
6
16
3
4
C341C
ADJ PEDAL FORWARD SW
9
2
ADJ PEDAL REARWARD SW
21
14
PEDAL MTR AFT
CPP02 BN
21
24
1
M
G203
10-6
Late production
Late production


Hot in Start
Hot at all times
SMART JUNCTION BOX (SJB) 11-3
30
86
87
85
ACCESSORY DELAY RELAY
MICRO (Partial)
F28 5A 13-17
F39 20A 13-8
F41 15A 13-15
2
C2280B
1
7
C2280A
CBP28
GY-VT
SBP39
WH-RD
CBP41
BU
15
1
2
C240A
AUDIO ANTENNA
GPS ANTENNA
START
BATT
DEL/ACC
AUDIO CONTROL MODULE (ACM) 151-13
COAX BK
GPS ANT
COAX BK
ANTENNA
MODULE COMMUNICATIONS NETWORK 14-1
VDB06 GY-OG
C240C
15
MS CAN +
VDB07 VT-OG
16
MS CAN -
SHIELD
C3337
ST INPUT 2L+
4
VME45 BU
7
STEREO 2L+
ST INPUT 2L-
3
RME45 YE-GN
8
STEREO 2L-
ST INPUT 2R-
2
RME46 WH-GN
14
STEREO 2R-
ST INPUT 2R+
1
VME46 BU-GN
6
STEREO 2R+
DME45
3
STEREO SHIELD
S217
AUDIO INPUT JACK 151-13
71-3
VLN04 VT-GY
C240A
3
ILLUM+ (Not Used)
CLUSTER AND PANEL ILLUMINATION
GD114 BK-BU
13
AMP GND
S119
GD115 BK-GY
4
ILLUM- (Not Used)
S225
G201 10-4
G203 10-6

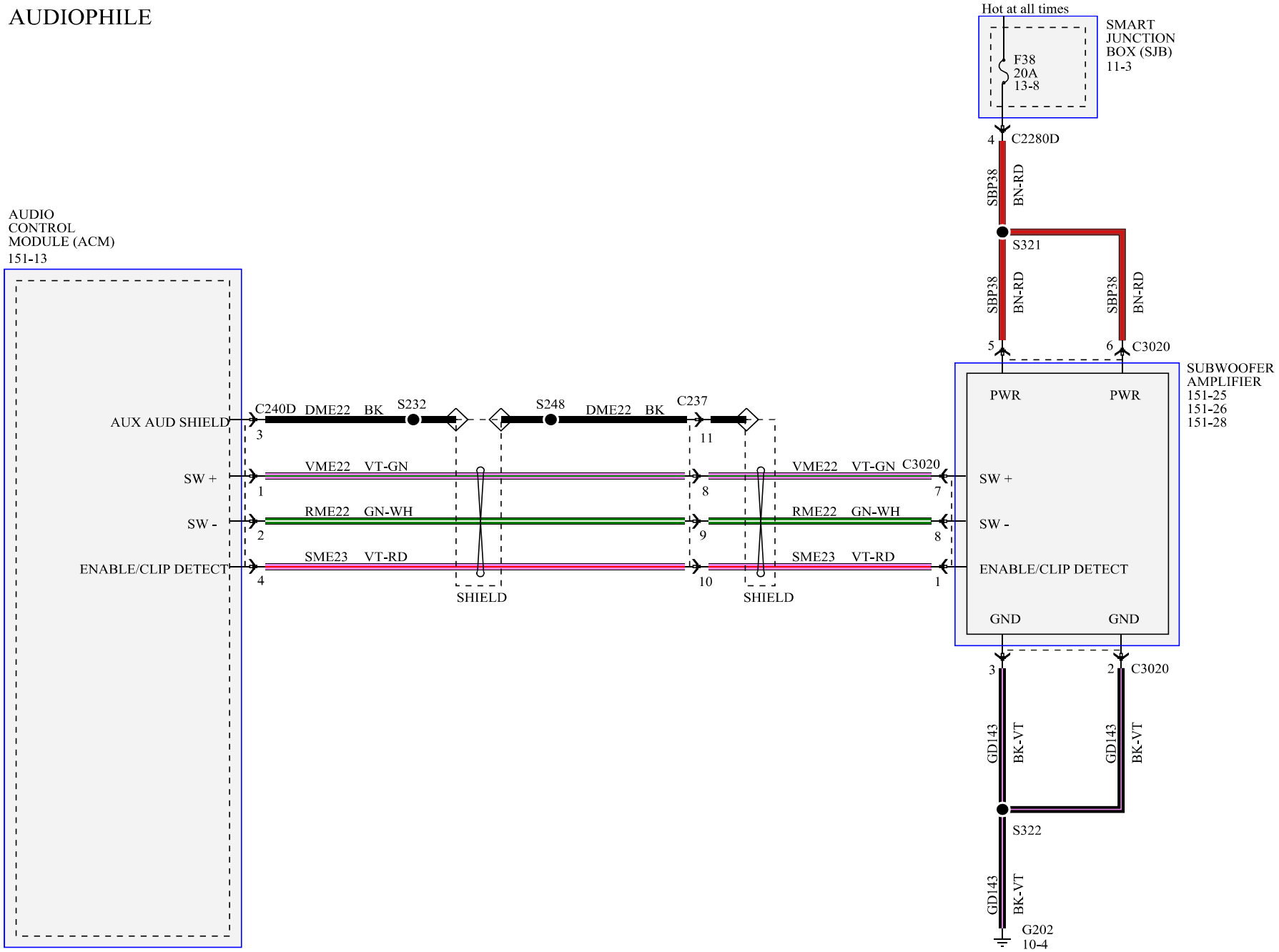
BASE AUDIO


AUDIO
CONTROL
MODULE (ACM)
151-13
RF SPKR+
RF SPKR-
C240A
11
12
VME10 WH-VT
RME10 WH-OG
C212
1
2
C655
1
2
VME10 WH-VT
RME10 WH-OG
C612
1
2
SPEAKER,
RIGHT
FRONT
151-22
Super cab
C856
RR SPKR+
RR SPKR-
10
23
VME12 BN-WH
RME12 BN-BU
3
4
3
2
VME12 BN-WH
RME12 BN-BU
Super cab
C802
C396
1
2
1
2
SPEAKER,
RIGHT
REAR
151-23
151-24
151-25
LF SPKR+
LF SPKR-
8
21
VME07 WH
RME07 WH-BN
C237
1
2
C555
1
2
VME07 WH
RME07 WH-BN
C523
1
2
SPEAKER,
LEFT
FRONT
151-21
Super cab
C756
LR SPKR+
LR SPKR-
9
22
VME09 WH-GN
RME09 BN-YE
3
4
3
2
VME09 WH-GN
RME09 BN-YE
Super cab
C702
C395
1
2
1
2
SPEAKER,
LEFT
REAR
151-23
151-24
151-25

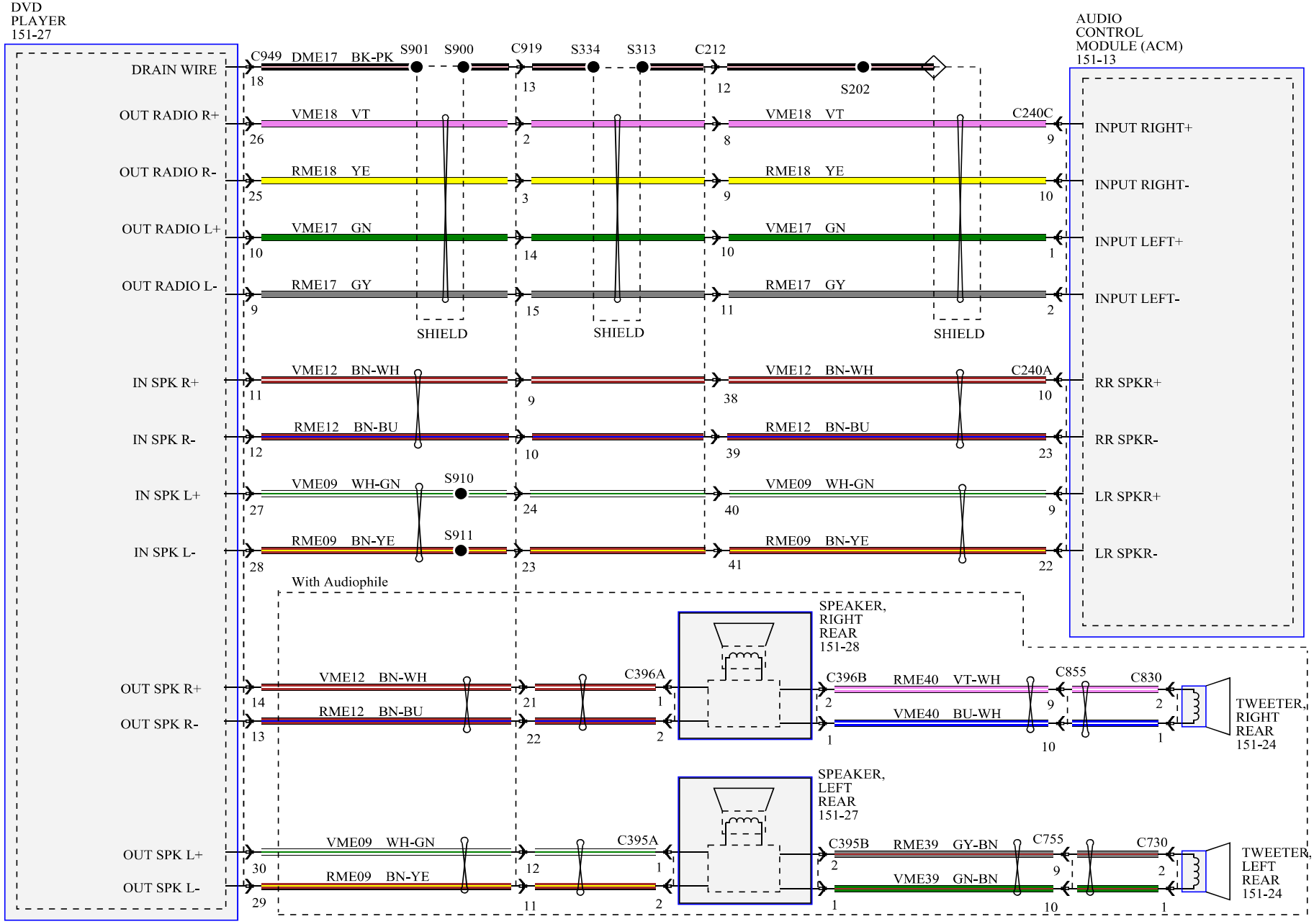
AUDIOPHILE


AUDIO CONTROL MODULE (ACM) 151-13
RR SPKR+
RR SPKR-
RF SPKR+
RF SPKR-
LF SPKR+
LF SPKR-
LR SPKR+
LR SPKR-
W/O DVD
C240A
C212
C856
C830
C855
C655
C610
C603
C602
C612
C613
C513
C555
C510
C237
C523
C756
C755
C730
C396A
C396
C396B
C395A
C395
C395B
C702
S603
S602
S503
S502
VME40 BU-WH
RME40 VT-WH
VME12 BN-WH
RME12 BN-BU
VME10 WH-VT
RME10 WH-OG
VME07 WH
RME07 WH-BN
VME09 WH-GN
RME09 BN-YE
VME39 GN-BN
RME39 GY-BN
TWEETER, RIGHT REAR 151-23 151-24
SPEAKER, RIGHT REAR 151-23 151-24 151-27
SPEAKER, RIGHT FRONT 151-22
TWEETER, RIGHT FRONT 151-22
TWEETER, LEFT FRONT 151-21
SPEAKER, LEFT FRONT 151-21
SPEAKER, LEFT REAR 151-23 151-24 151-26
TWEETER, LEFT REAR 151-23 151-24
Crew
Super
Regular

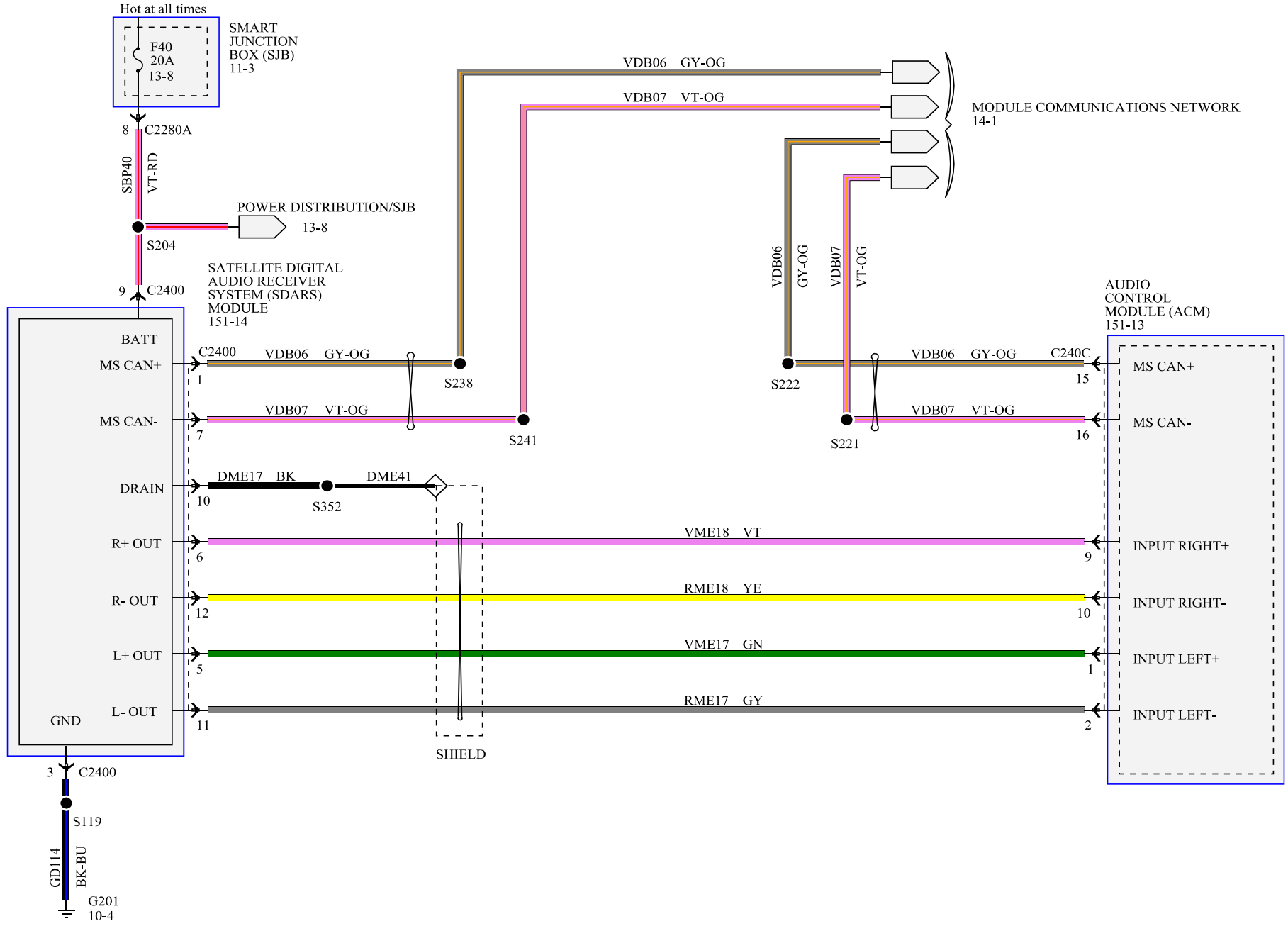
AUDIOPHILE


Hot at all times
SMART JUNCTION BOX (SJB)
11-3
F38
20A
13-8
4
C2280D
SBP38
BN-RD
S321
SBP38
BN-RD
SBP38
BN-RD
5
6
C3020
SUBWOOFER AMPLIFIER
151-25
151-26
151-28
PWR
PWR
SW +
SW -
ENABLE/CLIP DETECT
GND
GND
3
2
C3020
GD143
BK-VT
GD143
BK-VT
S322
GD143
BK-VT
G202
10-4
AUDIO CONTROL MODULE (ACM)
151-13
AUX AUD SHIELD
SW +
SW -
ENABLE/CLIP DETECT
C240D
DME22
BK
S232
S248
DME22
BK
C237
3
11
VME22
VT-GN
1
8
VME22
VT-GN
C3020
7
RME22
GN-WH
2
9
RME22
GN-WH
8
SME23
VT-RD
4
10
SME23
VT-RD
1
SHIELD
SHIELD

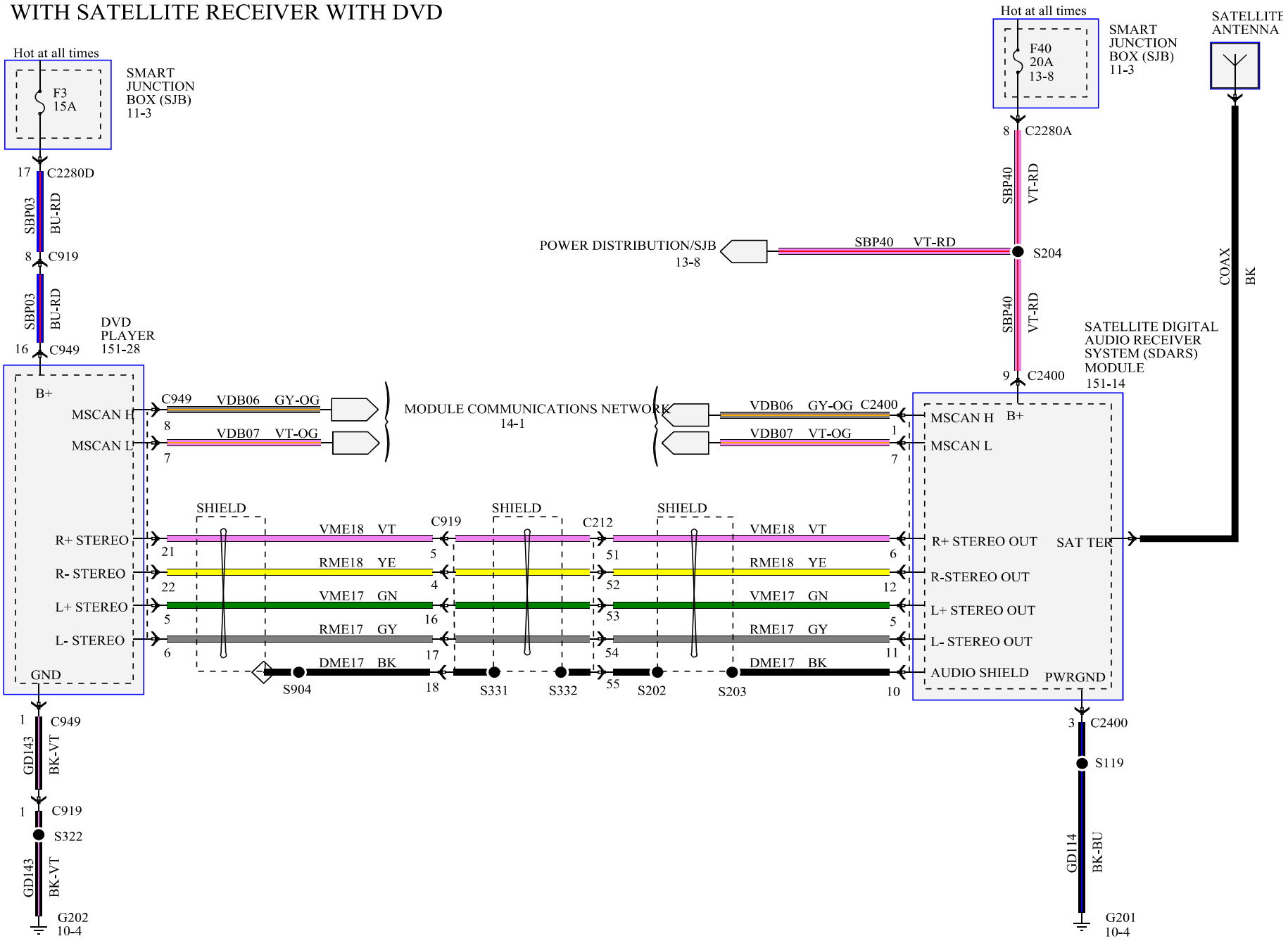
DVD

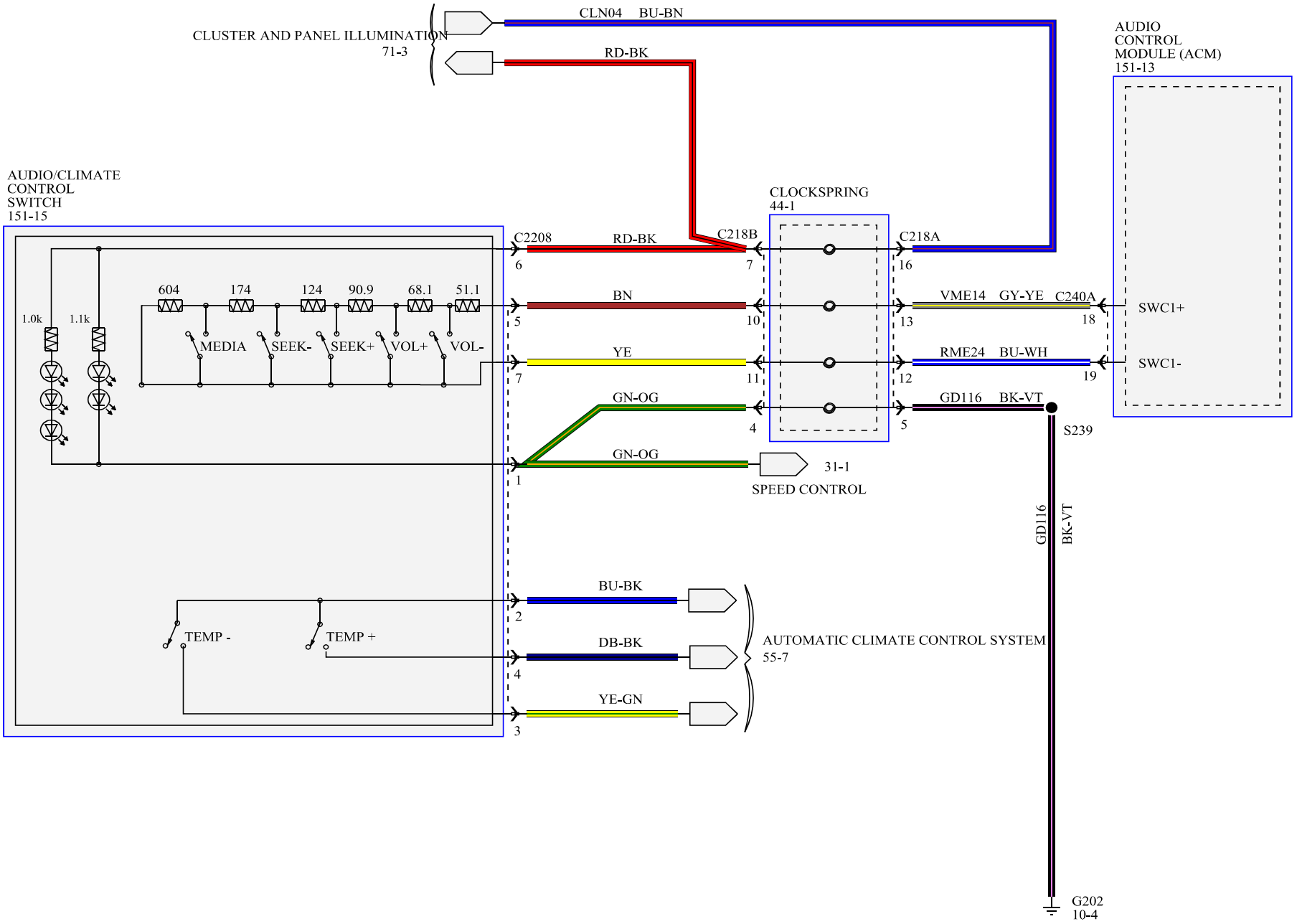

DVD
PLAYER
151-27
AUDIO
CONTROL
MODULE (ACM)
151-13
DRAIN WIRE
C949 DME17 BK-PK
S901
S900
C919
S334
S313
C212
S202
OUT RADIO R+
VME18 VT
C240C
INPUT RIGHT+
OUT RADIO R-
RME18 YE
INPUT RIGHT-
OUT RADIO L+
VME17 GN
INPUT LEFT+
OUT RADIO L-
RME17 GY
INPUT LEFT-
SHIELD
SHIELD
SHIELD
IN SPK R+
VME12 BN-WH
C240A
RR SPKR+
IN SPK R-
RME12 BN-BU
RR SPKR-
IN SPK L+
VME09 WH-GN
S910
LR SPKR+
IN SPK L-
RME09 BN-YE
S911
LR SPKR-
With Audiophile
SPEAKER,
RIGHT
REAR
151-28
OUT SPK R+
OUT SPK R-
VME12 BN-WH
RME12 BN-BU
C396A
C396B
RME40 VT-WH
VME40 BU-WH
C855
C830
TWEETER,
RIGHT
REAR
151-24
SPEAKER,
LEFT
REAR
151-27
OUT SPK L+
OUT SPK L-
VME09 WH-GN
RME09 BN-YE
C395A
C395B
RME39 GY-BN
VME39 GN-BN
C755
C730
TWEETER,
LEFT
REAR
151-24

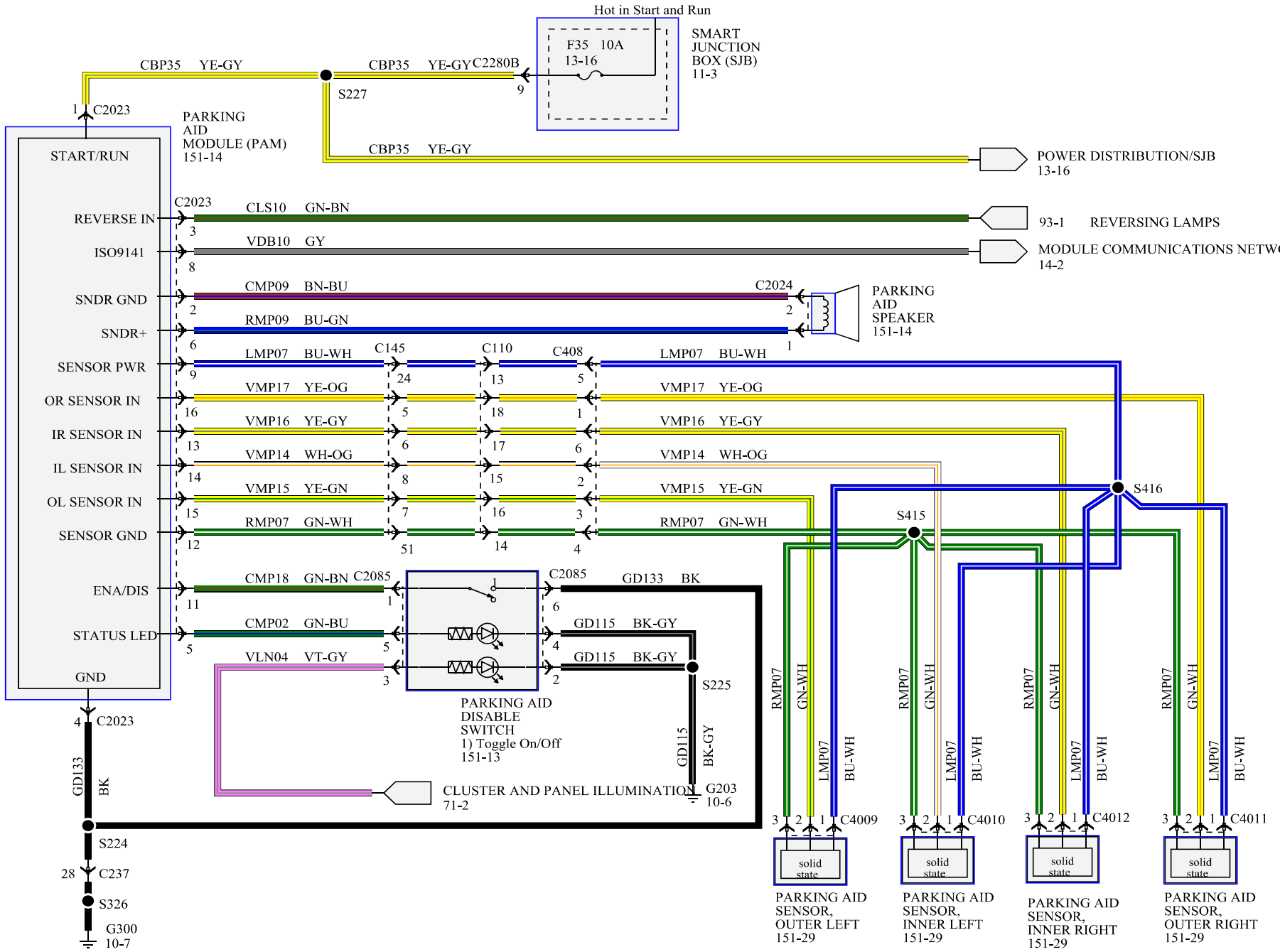
WITH SATELLITE RECEIVER WITHOUT DVD



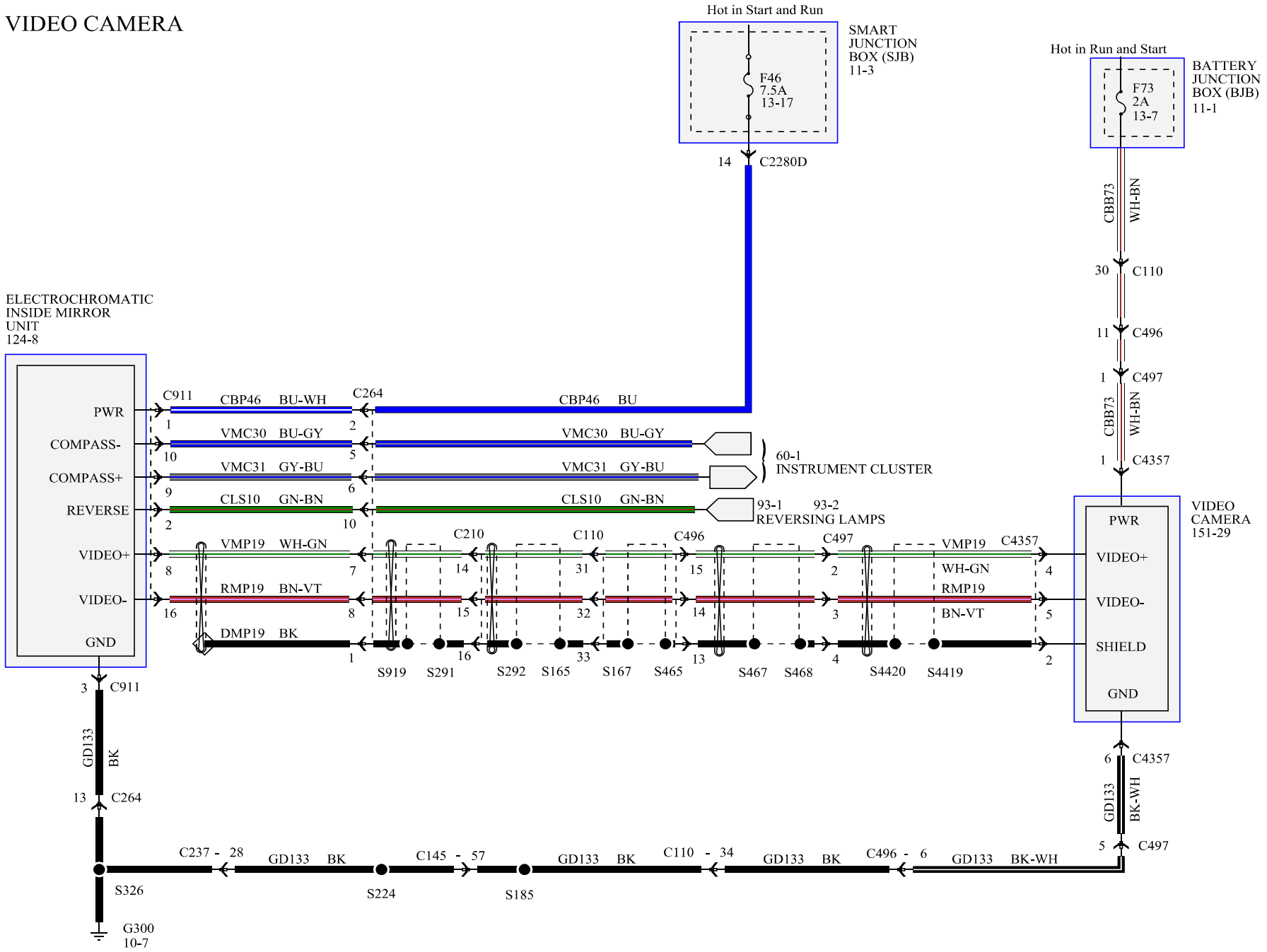
WITH SATELLITE RECEIVER WITH DVD

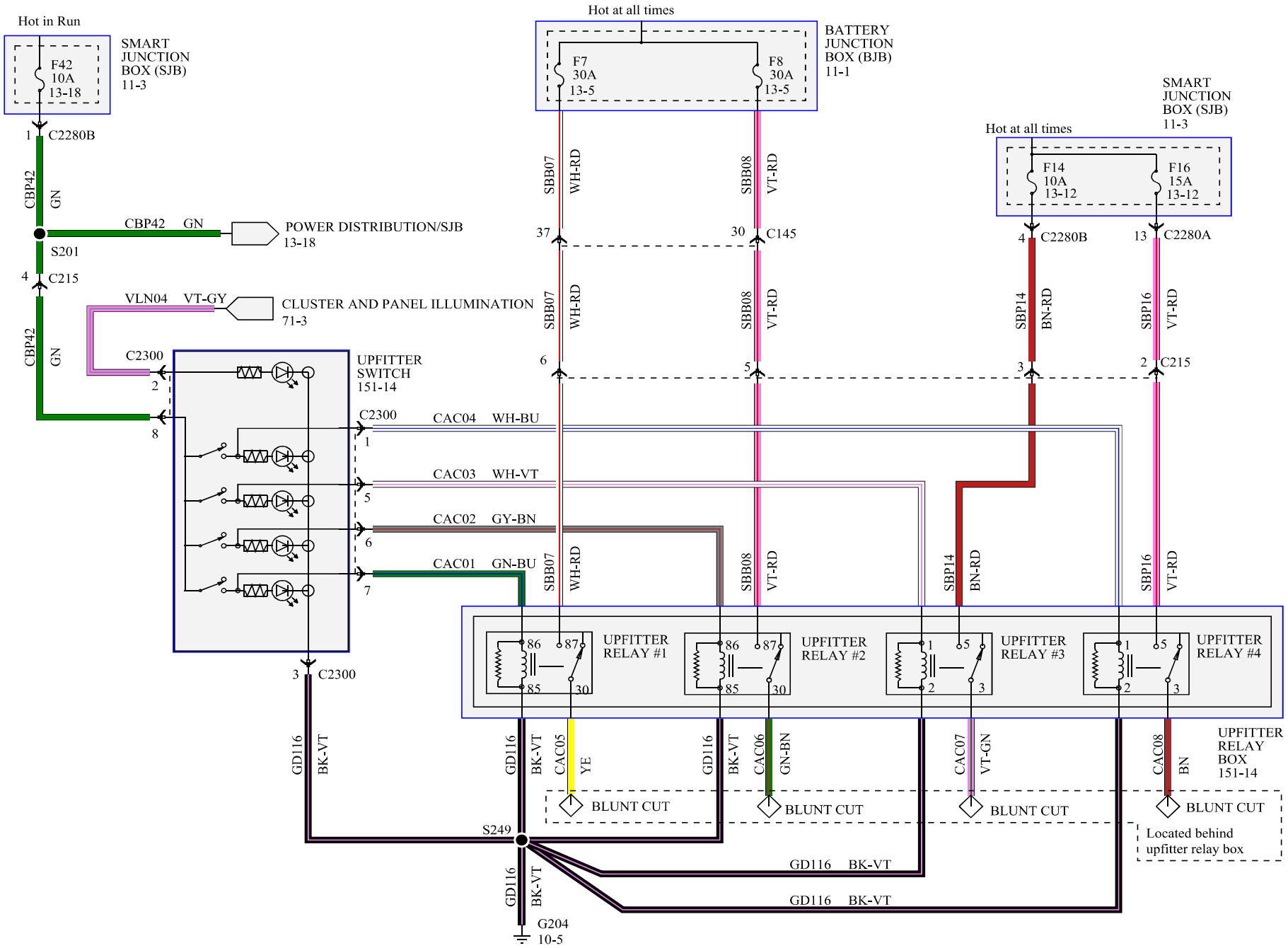



CLUSTER AND PANEL ILLUMINATION
71-3
CLN04 BU-BN
RD-BK
AUDIO
CONTROL
MODULE (ACM)
151-13
AUDIO/CLIMATE
CONTROL
SWITCH
151-15
CLOCKSPRING
44-1
C2208
RD-BK
C218B
C218A
6
7
16
BN
5
10
VME14 GY-YE C240A
13
18
SWC1+
YE
7
11
RME24 BU-WH
12
19
SWC1-
GN-OG
4
GD116 BK-VT
5
S239
GN-OG
1
31-1
SPEED CONTROL
GD116
BK-VT
1.0k
1.1k
604
174
124
90.9
68.1
51.1
MEDIA
SEEK-
SEEK+
VOL+
VOL-
BU-BK
2
TEMP -
TEMP +
DB-BK
4
YE-GN
3
AUTOMATIC CLIMATE CONTROL SYSTEM
55-7
G202
10-4

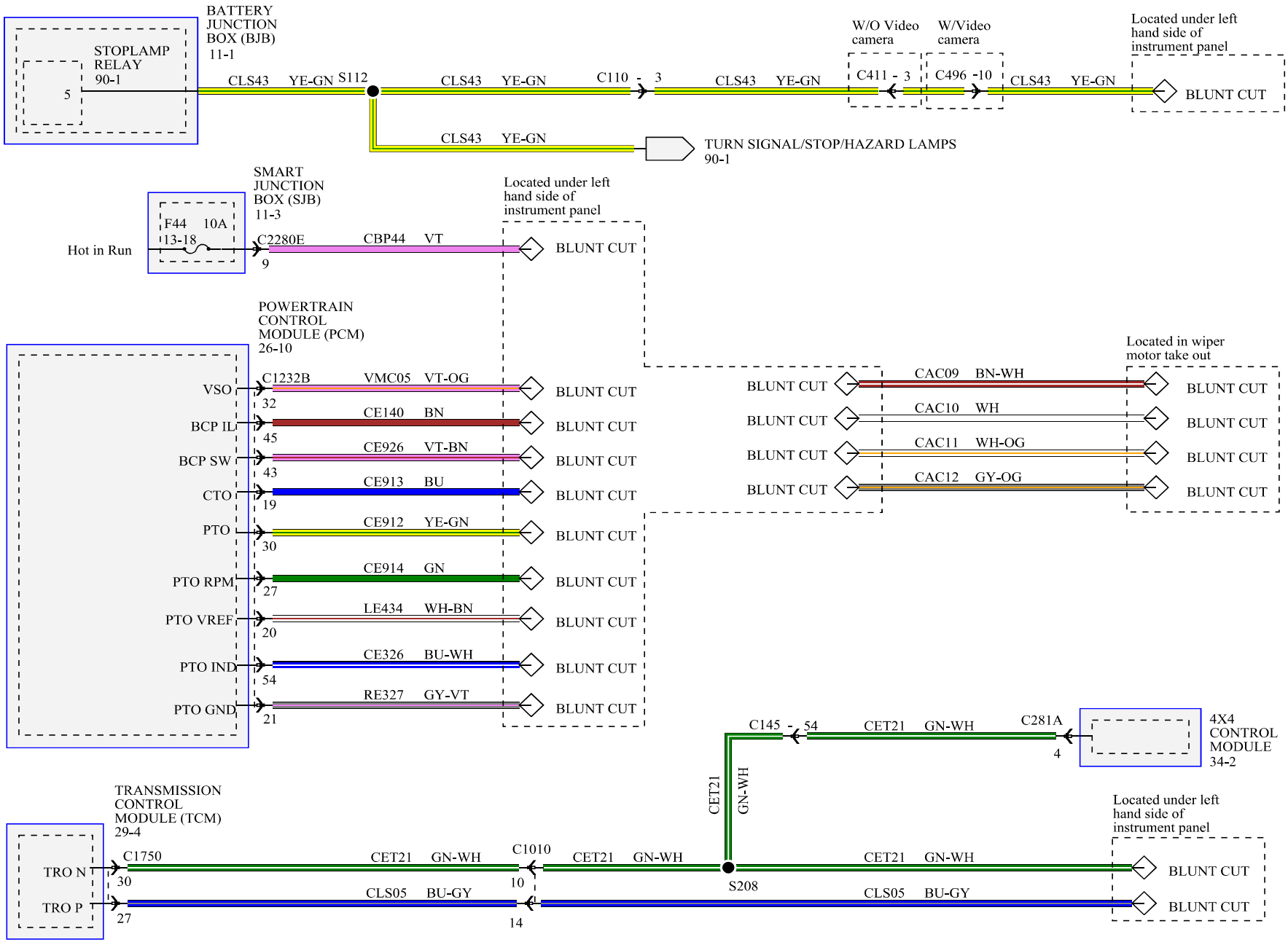

Hot in Start and Run
F35 10A
13-16
SMART
JUNCTION
BOX (SJB)
11-3
CBP35 YE-GY
CBP35 YE-GY
C2280B
9
S227
1 C2023
PARKING
AID
MODULE (PAM)
151-14
START/RUN
CBP35 YE-GY
POWER DISTRIBUTION/SJB
13-16
C2023
REVERSE IN
3
CLS10 GN-BN
93-1 REVERSING LAMPS
ISO9141
8
VDB10 GY
MODULE COMMUNICATIONS NETWOF
14-2
SNDR GND
2
CMP09 BN-BU
C2024
2
PARKING
AID
SPEAKER
151-14
SNDR+
6
RMP09 BU-GN
1
SENSOR PWR
9
LMP07 BU-WH
C145
24
C110
13
C408
5
LMP07 BU-WH
OR SENSOR IN
16
VMP17 YE-OG
5
18
1
VMP17 YE-OG
IR SENSOR IN
13
VMP16 YE-GY
6
17
6
VMP16 YE-GY
IL SENSOR IN
14
VMP14 WH-OG
8
15
2
VMP14 WH-OG
OL SENSOR IN
15
VMP15 YE-GN
7
16
3
VMP15 YE-GN
SENSOR GND
12
RMP07 GN-WH
51
14
4
RMP07 GN-WH
S416
S415
ENA/DIS
11
CMP18 GN-BN
C2085
1
C2085
6
GD133 BK
STATUS LED
5
CMP02 GN-BU
5
GD115 BK-GY
4
VLN04 VT-GY
3
GD115 BK-GY
2
S225
PARKING AID
DISABLE
SWITCH
1) Toggle On/Off
151-13
GND
4 C2023
GD133 BK
GD115 BK-GY
CLUSTER AND PANEL ILLUMINATION
71-2
G203
10-6
S224
28 C237
S326
G300
10-7
RMP07 GN-WH LMP07 BU-WH
3 2 1 C4009
solid state
PARKING AID
SENSOR,
OUTER LEFT
151-29
RMP07 GN-WH LMP07 BU-WH
3 2 1 C4010
solid state
PARKING AID
SENSOR,
INNER LEFT
151-29
RMP07 GN-WH LMP07 BU-WH
3 2 1 C4012
solid state
PARKING AID
SENSOR,
INNER RIGHT
151-29
RMP07 GN-WH LMP07 BU-WH
3 2 1 C4011
solid state
PARKING AID
SENSOR,
OUTER RIGHT
151-29

VIDEO CAMERA

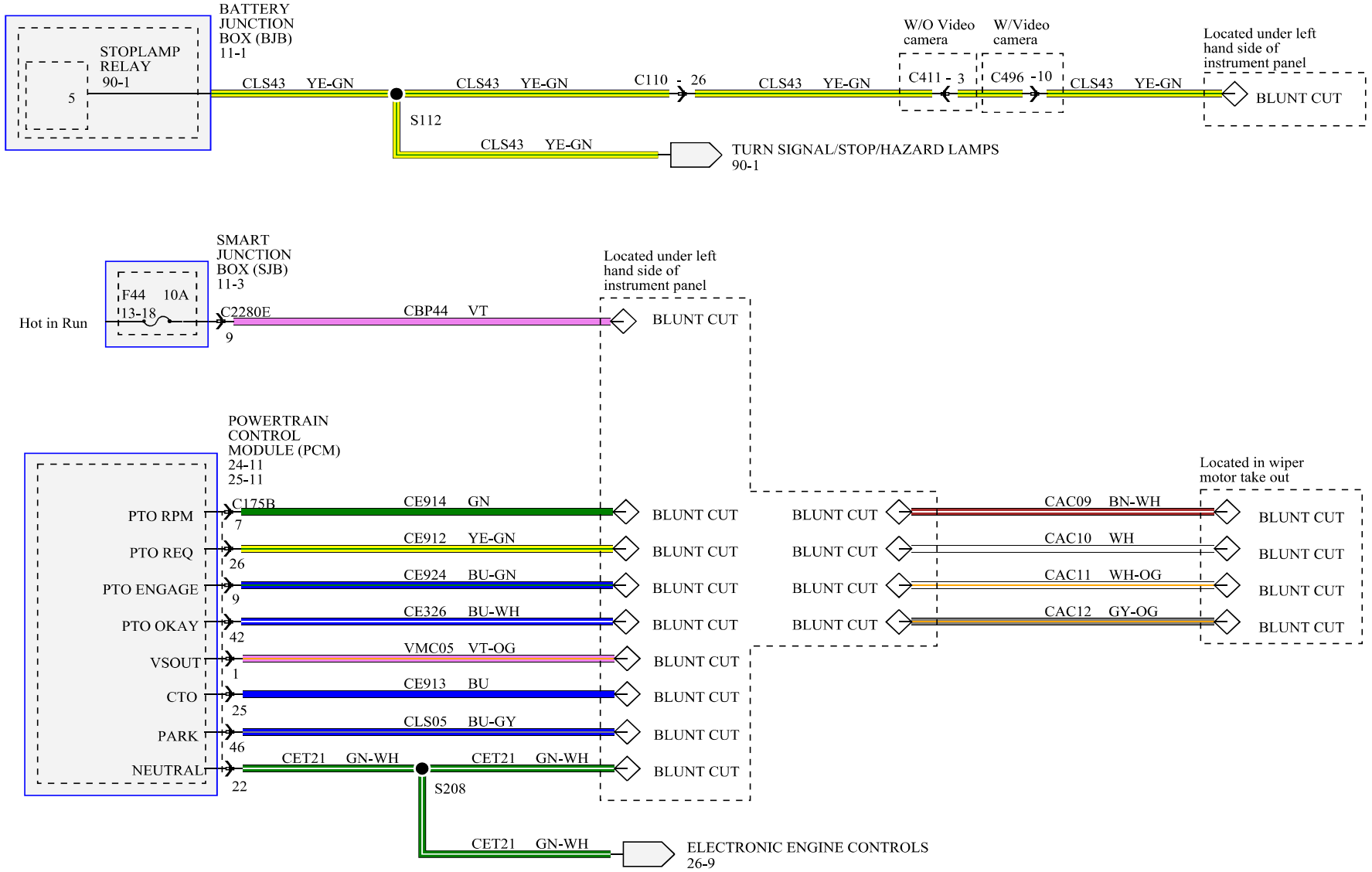



Hot in Run
SMART JUNCTION BOX (SJB) 11-3
F42 10A 13-18
1 C2280B
CBP42 GN
CBP42 GN
POWER DISTRIBUTION/SJB 13-18
S201
4 C215
VLN04 VT-GY
CLUSTER AND PANEL ILLUMINATION 71-3
CBP42 GN
C2300
2
8
UPFITTER SWITCH 151-14
C2300
1
5
6
7
CAC04 WH-BU
CAC03 WH-VT
CAC02 GY-BN
CAC01 GN-BU
3 C2300
GD116 BK-VT
Hot at all times
BATTERY JUNCTION BOX (BJB) 11-1
F7 30A 13-5
F8 30A 13-5
SBB07 WH-RD
SBB08 VT-RD
37
30 C145
SBB07 WH-RD
SBB08 VT-RD
6
5
Hot at all times
SMART JUNCTION BOX (SJB) 11-3
F14 10A 13-12
F16 15A 13-12
4 C2280B
13 C2280A
SBP14 BN-RD
SBP16 VT-RD
3
2 C215
SBP14 BN-RD
SBP16 VT-RD
UPFITTER RELAY #1
UPFITTER RELAY #2
UPFITTER RELAY #3
UPFITTER RELAY #4
86 87 85 30
1 5 2 3
GD116 BK-VT CAC05 YE
GD116 BK-VT CAC06 GN-BN
CAC07 VT-GN
CAC08 BN
UPFITTER RELAY BOX 151-14
BLUNT CUT
BLUNT CUT
BLUNT CUT
BLUNT CUT
Located behind upfitter relay box
S249
GD116 BK-VT
GD116 BK-VT
GD116 BK-VT
G204 10-5

DIESEL


BATTERY JUNCTION BOX (BJB) 11-1
STOPLAMP RELAY 90-1
5
CLS43 YE-GN S112
CLS43 YE-GN C110 - 3
CLS43 YE-GN
W/O Video camera
W/Video camera
C411 - 3
C496 -10
CLS43 YE-GN
Located under left hand side of instrument panel
BLUNT CUT
CLS43 YE-GN
TURN SIGNAL/STOP/HAZARD LAMPS 90-1
SMART JUNCTION BOX (SJB) 11-3
F44 10A 13-18
Hot in Run
C2280E CBP44 VT
9
Located under left hand side of instrument panel
BLUNT CUT
POWERTRAIN CONTROL MODULE (PCM) 26-10
VSO
C1232B VMC05 VT-OG
32
BLUNT CUT
BCP IL
CE140 BN
45
BLUNT CUT
BCP SW
CE926 VT-BN
43
BLUNT CUT
CTO
CE913 BU
19
BLUNT CUT
PTO
CE912 YE-GN
30
BLUNT CUT
PTO RPM
CE914 GN
27
BLUNT CUT
PTO VREF
LE434 WH-BN
20
BLUNT CUT
PTO IND
CE326 BU-WH
54
BLUNT CUT
PTO GND
RE327 GY-VT
21
BLUNT CUT
Located in wiper motor take out
BLUNT CUT
CAC09 BN-WH
BLUNT CUT
BLUNT CUT
CAC10 WH
BLUNT CUT
BLUNT CUT
CAC11 WH-OG
BLUNT CUT
BLUNT CUT
CAC12 GY-OG
BLUNT CUT
C145 - 54
CET21 GN-WH
C281A
4
4X4 CONTROL MODULE 34-2
CET21 GN-WH
TRANSMISSION CONTROL MODULE (TCM) 29-4
TRO N
TRO P
C1750
30
27
CET21 GN-WH
CLS05 BU-GY
C1010
10
14
CET21 GN-WH
CLS05 BU-GY
S208
CET21 GN-WH
Located under left hand side of instrument panel
BLUNT CUT
BLUNT CUT

GASOLINE


BATTERY JUNCTION BOX (BJB) 11-1
STOPLAMP RELAY 90-1
5
CLS43 YE-GN
S112
CLS43 YE-GN
C110 - 26
CLS43 YE-GN
W/O Video camera
W/Video camera
C411 - 3
C496 -10
CLS43 YE-GN
Located under left hand side of instrument panel
BLUNT CUT
CLS43 YE-GN
TURN SIGNAL/STOP/HAZARD LAMPS 90-1
SMART JUNCTION BOX (SJB) 11-3
Hot in Run
F44 10A 13-18
C2280E
9
CBP44 VT
Located under left hand side of instrument panel
BLUNT CUT
POWERTRAIN CONTROL MODULE (PCM) 24-11 25-11
PTO RPM
PTO REQ
PTO ENGAGE
PTO OKAY
VSOUT
CTO
PARK
NEUTRAL
C175B
7
CE914 GN
BLUNT CUT
26
CE912 YE-GN
BLUNT CUT
9
CE924 BU-GN
BLUNT CUT
42
CE326 BU-WH
BLUNT CUT
1
VMC05 VT-OG
BLUNT CUT
25
CE913 BU
BLUNT CUT
46
CLS05 BU-GY
BLUNT CUT
22
CET21 GN-WH
CET21 GN-WH
BLUNT CUT
S208
CET21 GN-WH
ELECTRONIC ENGINE CONTROLS 26-9
BLUNT CUT
BLUNT CUT
BLUNT CUT
BLUNT CUT
CAC09 BN-WH
CAC10 WH
CAC11 WH-OG
CAC12 GY-OG
Located in wiper motor take out
BLUNT CUT
BLUNT CUT
BLUNT CUT
BLUNT CUT

Introduction

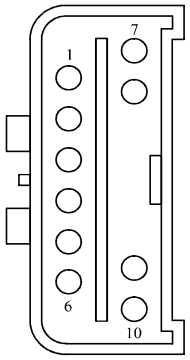
Component testing procedures are provided to determine whether a component is good or bad.

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

C1

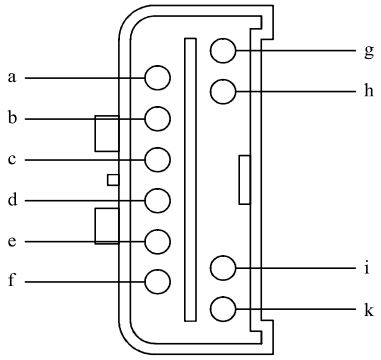
With molded identifiers



MALE

C1

Without molded identifiers



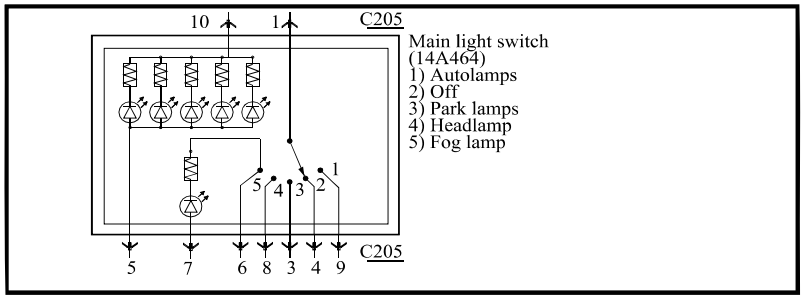
MALE

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.

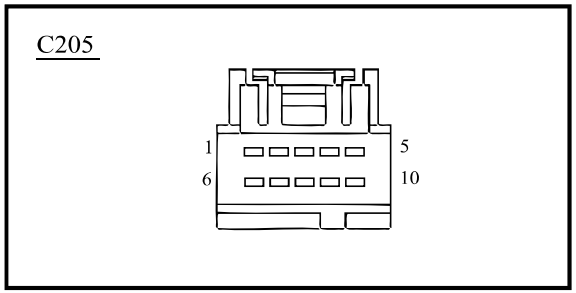
Connect the tester to the terminals shown in the second column and operate the component as shown in the third column.

Main light switch, Exterior lamps

Schematic



Terminals

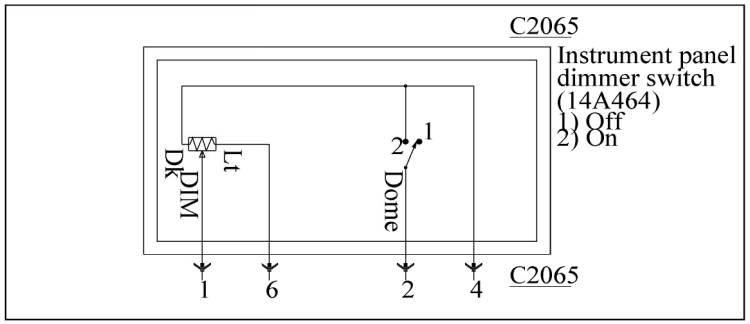


Component testing procedure

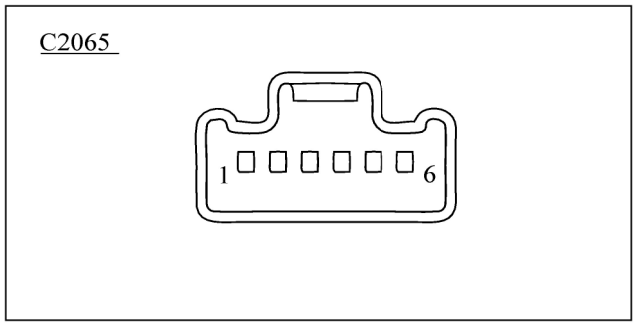
Circuit to test	Connect self−powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Headlamp	8 and 1	Off	Open circuit
		Head	Closed circuit
		Park	Open circuit
		Autolamps	Open circuit
Park lamps	3 and 1	Off	Open circuit
		Head	Closed circuit
		Park	Closed circuit
		Autolamps	Open circuit
Autolamps	9 and 1	Off	Open circuit
		Head	Open circuit
		Park	Open circuit
		Autolamps	Closed circuit
Fog Lamps	6 and 1	On	Closed circuit
		Off	Open circuit

Instrument Panel Dimmer Switch

Schematic



Terminals

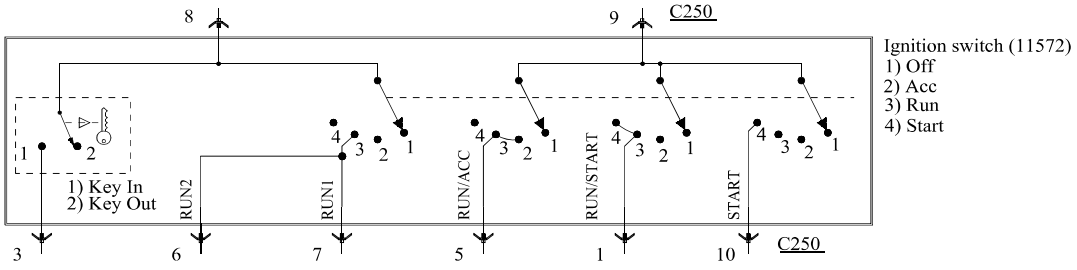


Component testing procedure

Circuit to test	Connect self–powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Interior lamp	2 and 4	Off	Open circuit
		On	Closed circuit
Illumination Dimmer Resistor	1 and 4	Rotate thumb wheel in both directions	Increasing and decreasing resistance

Ignition switch (14489)

Schematic

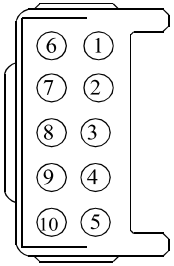


Component testing procedure

Circuit to tes t	Connect self–powered test light or ohmmeter to terminals	Move key to these positions	A good switch will indicate
Run power circuit	7 and 8	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Closed circuit
		Start	Open circuit
Run/Start power circuit	9 and 1	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Closed circuit
		Start	Closed circuit
Run/Acc power circuit	5 and 9	Off/Lock	Open circuit
		Accessory	Closed circuit
		Run	Closed circuit
		Start	Open circuit
Start power circuit	10 and 9	Off/Lock	Open circuit
		Accessory	Open circuit
		Run	Open circuit
		Start	Closed circuit

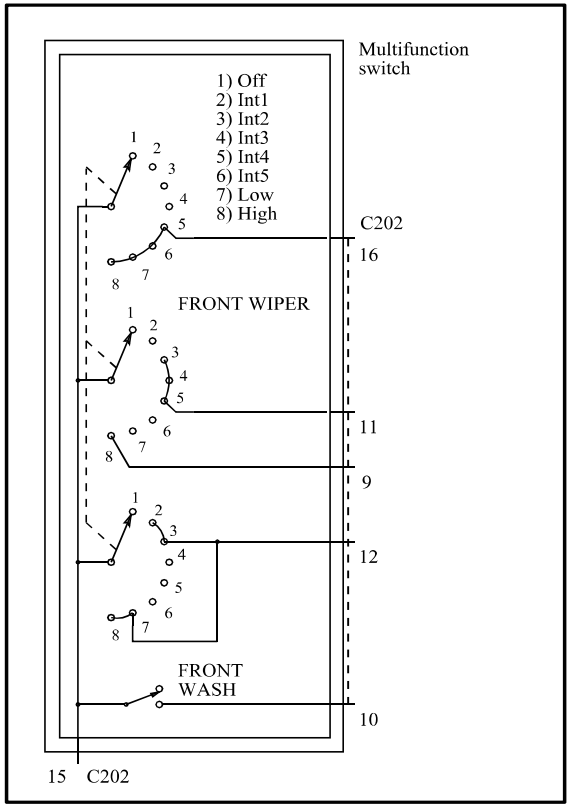
Terminals

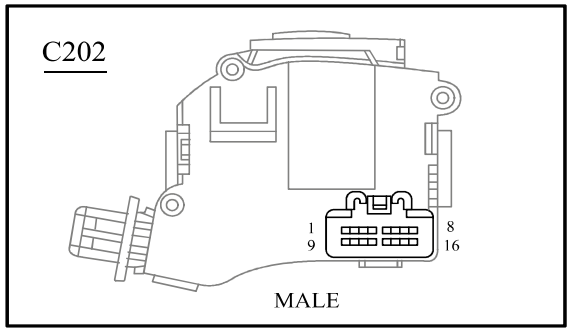
C250



Multifunction switch - Wiper Portion

Schematic



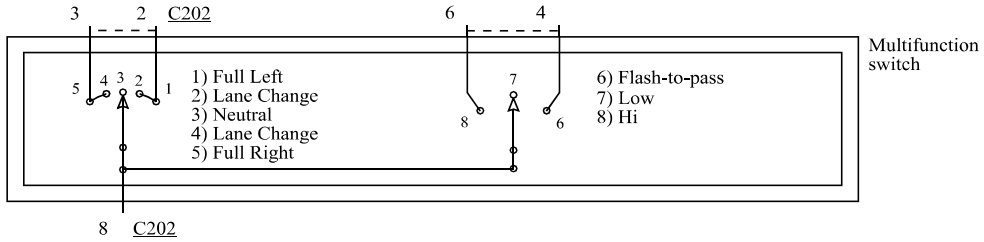


Component testing procedure

Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these	A good switch will indicate
Washer switch circuit	10 and 15	On	Closed circuit
		Rest	Open circuit
Wiper switch circuit	9 and 15	Off	Open circuit
		High	Closed circuit
		Low	Open circuit
	11 and 15	Off	Open circuit
		High	Open circuit
		Low	Open circuit
	12 and 15	Off	Open circuit
		High	Closed circuit
		Low	Closed circuit
	15 and 16	Off	Open circuit
		High	Closed circuit
		Low	Closed circuit
Intermittent wiper circuit	15 and 16	Interval 1	Open circuit
		Interval 2	Open circuit
		Interval 3	Open circuit
		Interval 4	Closed circuit
		Interval 5	Closed circuit
	11 and 15	Interval 1	Open circuit
		Interval 2	Closed circuit
		Interval 3	Closed circuit
		Interval 4	Closed circuit
		Interval 5	Open circuit
	12 and 15	Interval 1	Closed circuit
		Interval 2	Closed circuit
		Interval 3	Open circuit
		Interval 4	Open circuit
		Interval 5	Open circuit

Multifunction switch - Headlamp and Turn Portion

Schematic

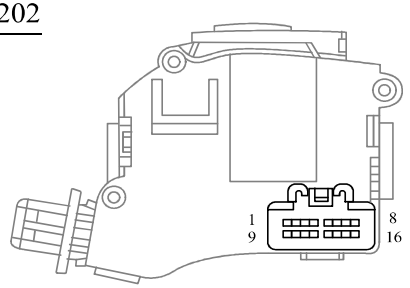


Component testing procedure

Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Turn signal	2 and 8	Left turn	Closed circuit
	3 and 8	Right turn	Closed circuit
Flash-to-pass	6 and 8	Pull and hold lever stalk toward steering wheel	Open circuit
	4 and 8		Closed circuit
High beam/Low beam	6 and 8	Lever stalk in detent away from steering wheel	Closed circuit
	4 and 8		

Terminals

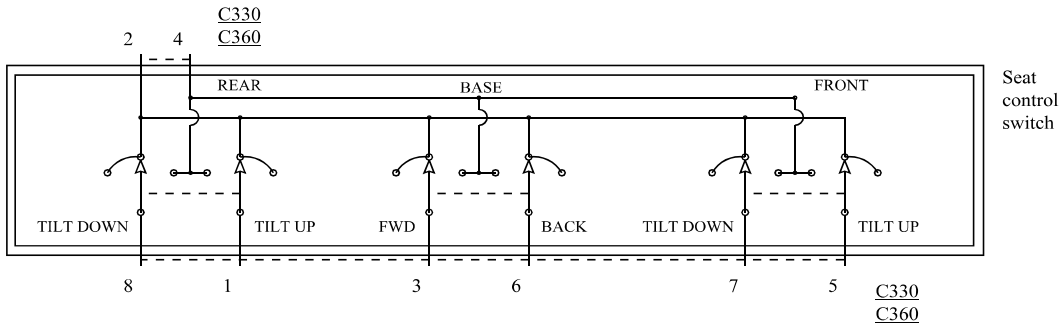
C202



MALE

Seat control switch - Driver and Passenger

Schematic

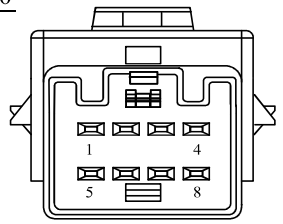


Component testing procedure

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 3 6 and 2	Forward	Closed circuit
	4 and 6 3 and 2	Rearward	Closed circuit
Rear up/down circuit	4 and 1 8 and 2	Up	Closed circuit
	4 and 8 1 and 2	Down	Closed circuit
Front up/down circuit	4 and 5 7 and 2	Up	Closed circuit
	4 and 7 5 and 2	Down	Closed circuit

Terminals

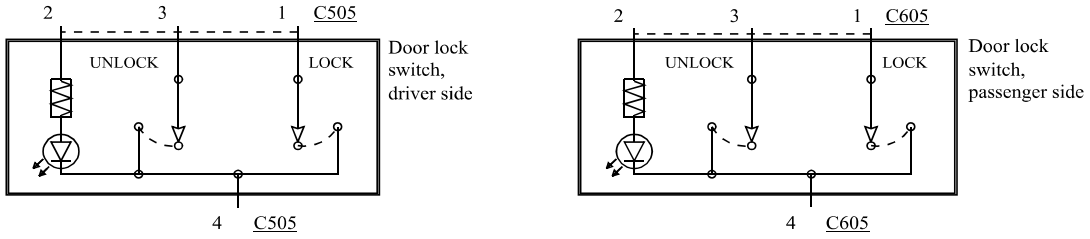
C330
C360



MALE

Power door lock switch

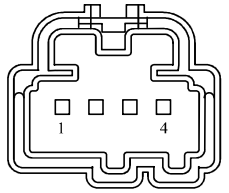
Schematic



Terminals

C505

C605



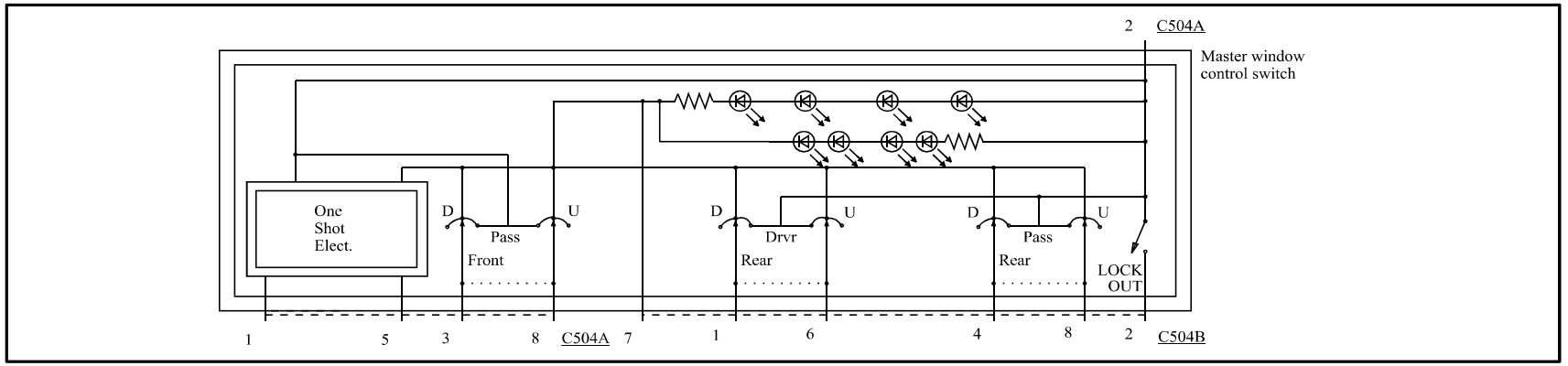
MALE

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
Lock/unlock circuit	3 and 4	Rest	Open circuit
		Lock	Open circuit
		Unlock	Closed circuit
	1 and 4	Rest	Open circuit
		Lock	Closed circuit
		Unlock	Open circuit

Master window control switch - Crew Cab

Schematic

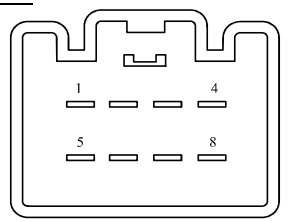


Component testing procedure

Circuit to test	Connect self–powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Switch lock	2, C504a and 2, C504b	Lock On	Closed circuit
		Lock Off	Open circuit
Right front window circuit	2, C504a and 8, C504a	Up	Closed circuit
	2, C504a and 4, C504a	Down	Closed circuit
	7, C504b and 4, C504a 7, C504a and 8, C504a	Rest	Closed circuit
Left rear window circuit	2, C504a and 5, C504b	Up	Closed circuit
	2, C504a and 1, C504b	Down	Closed circuit
	7, C504b and 5, C504b 7, C504b and 1, C504b	Rest	Closed circuit
Right rear window circuit	2, C504a and 8, C504b	Up	Closed circuit
	2, C504a and 4, C504b	Down	Closed circuit
	7, C504b and 8, C504b 7, C504b and 4, C504b	Rest	Closed circuit

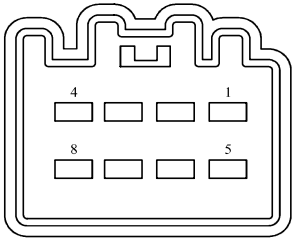
Terminals

C504a



MALE

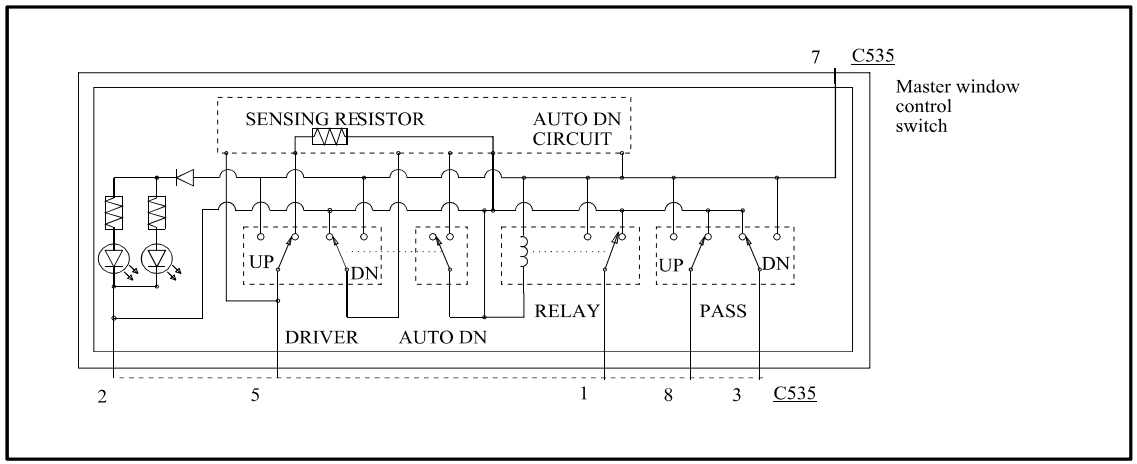
C504b



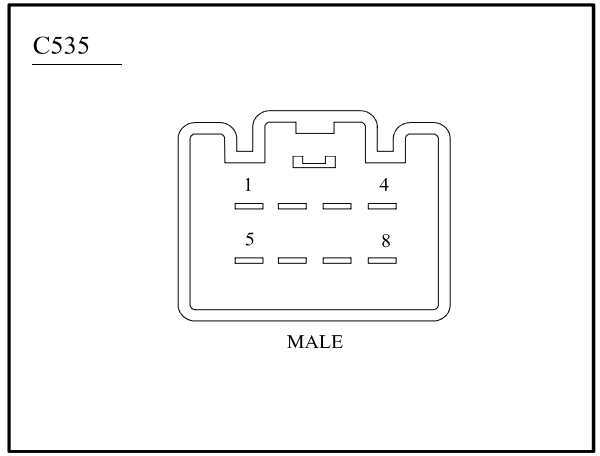
MALE

Master window control switch – Regular and Super Cab

Schematic



Terminals

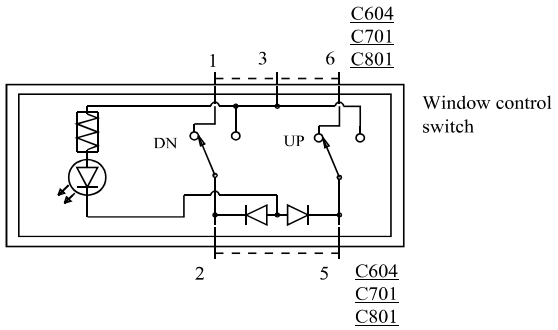


Component testing procedure

Circuit to test	Connect self–powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Left front window circuit	7, C535 and 5, C535	Up	Closed circuit
Passenger front window circuit	7, C535 and 8, C535	Up	Closed circuit
	7, C535 and 3, C535	Down	Closed circuit

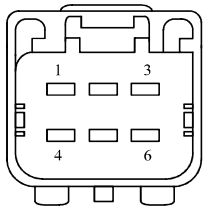
Window control switch - Passenger and rear doors

Schematic



Terminals

C604
C701
C801



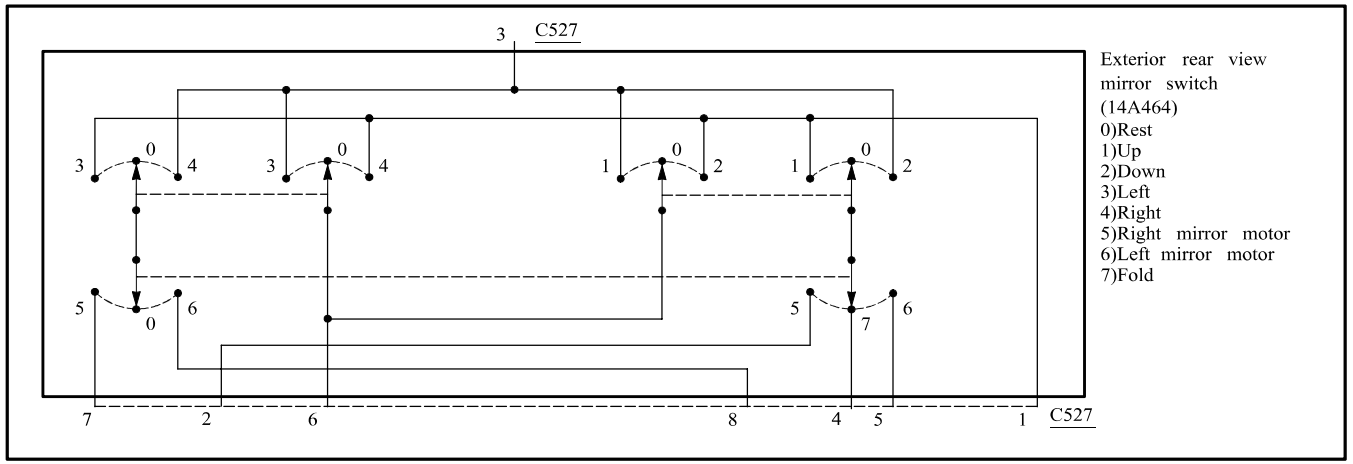
MALE

Component testing procedure

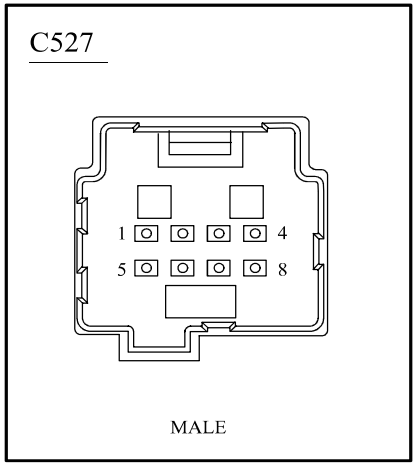
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Window adjust switches	5 and 3, 2 and 1	Up	Closed circuit
	6 and 5, 3 and 2	Down	Closed circuit
	6 and 5	Rest	Closed circuit
	1 and 2		

Exterior rear view mirror switch (17B676)

Schematic



Terminal locations

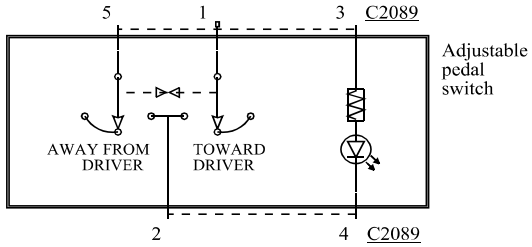


Component testing procedure

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	6 and 3 1 and 5	Up	Closed circuit
Down	3 and 5 6 and 1	Down	Closed circuit
Left	6 and 1 3 and 8	Left	Closed circuit
Right	8 and 1 3 and 6	Right	Closed circuit
Right mirror		Selector switch Right	
Up	6 and 3 2 and 1	Up	Closed circuit
Down	3 and 2 6 and 1	Down	Closed circuit
Left	6 and 1 7 and 3	Left	Closed circuit
Right	1 and 7 6 and 3	Right	Closed circuit
Left & right mirror		Selector switch power fold	
Power fold	3 and 4	Down	Closed circuit

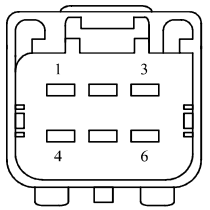
Adjustable pedal switch – with memory

Schematic



Terminals

C2089



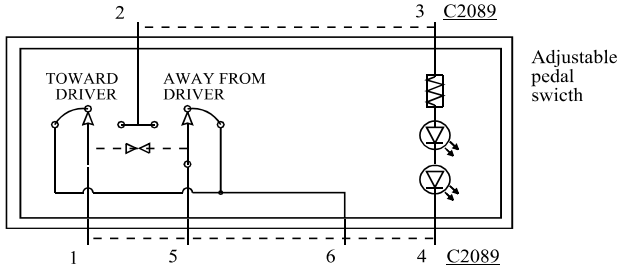
MALE

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	1 and 2	Forward	Closed circuit
		Rest	Open circuit
		Rearward	
	5 and 6	Forward	Open circuit
		Rest	
		Rearward	Closed circuit

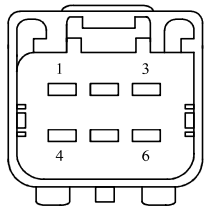
Adjustable pedal switch – without memory

Schematic



Terminals

C2089



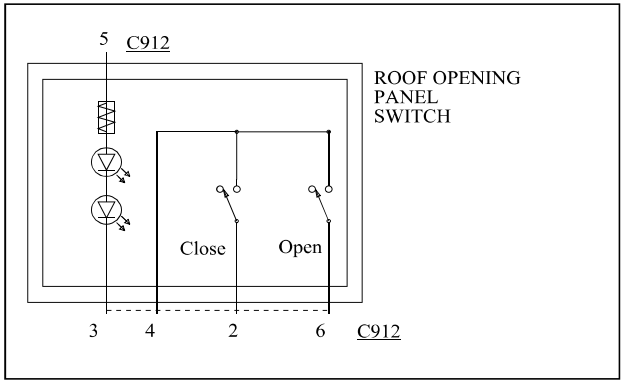
MALE

Component testing procedure

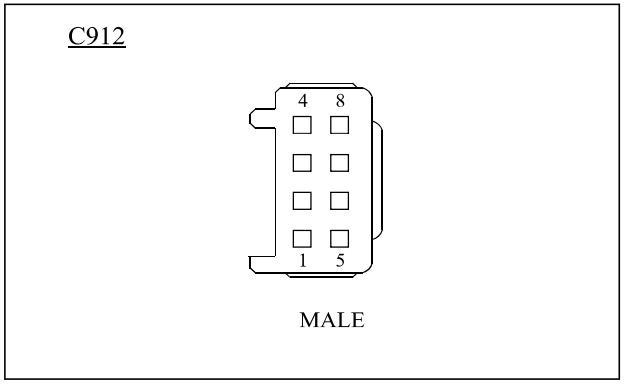
Circuit to test	Connect self-powered test light or ohmmeter to terminals	Move switch to these positions	A good switch will indicate
Forward/rearward circuit	1 and 6	Forward	Closed circuit
		Rest	Open circuit
		Rearward	
	1 and 2	Forward	Open circuit
		Rest	Closed circuit
		Rearward	
	5 and 6	Forward	Open circuit
		Rest	
		Rearward	Closed circuit
	2 and 5	Forward	Closed circuit
		Rest	
		Rearward	Open circuit

Roof opening panel switch

Schematic



Terminals

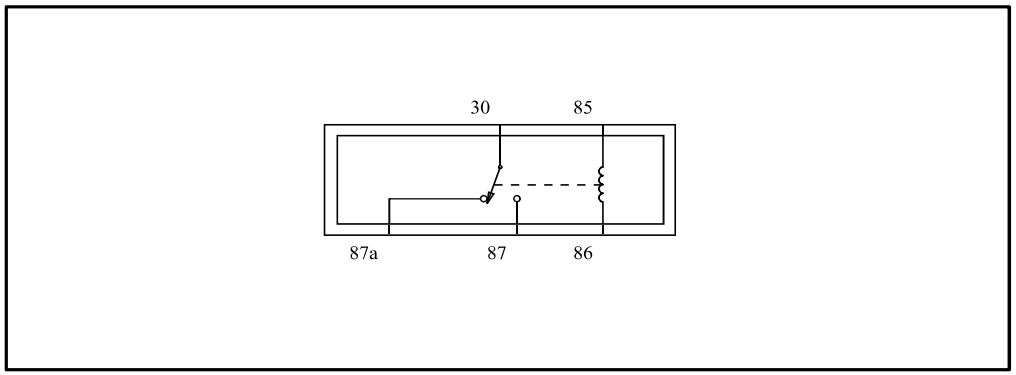


Component testing proceedure

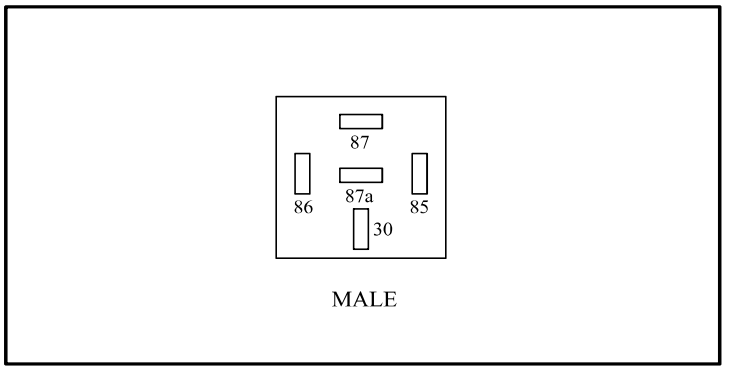
Circuit to test	Connect self-powered test light or ohh meter to terminals	Move switch to these positions	A good switch will indicate
Roof opening panel circuit	2 and 4	Close	Closed circuit
	4 and 6	Open	Closed circuit

Relay - Mini ISO

Schematic



Terminals



Component testing procedure (no voltage applied)

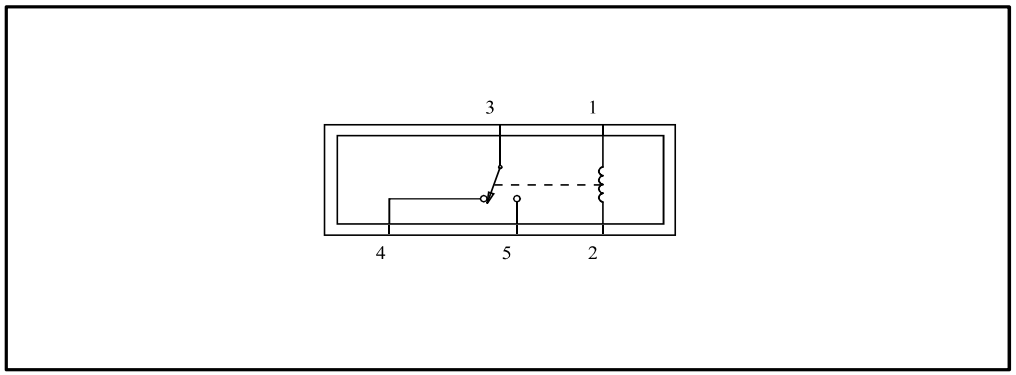
Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	85 and 86	47 - 97 Ohms
Contact	30 and 87a	Closed circuit
	30 and 87	Open circuit
Coil - Contact	86 and 30	Open circuit
	86 and 87a	Open circuit
	86 and 87	Open circuit

Component testing procedure (voltage applied)

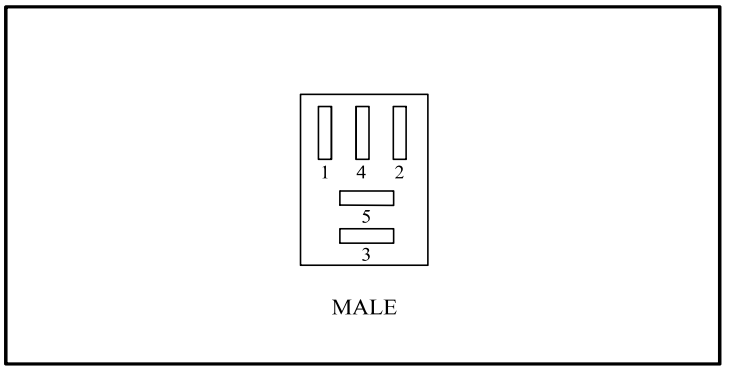
Disconnect the ohmmeter and connect pins 30 and 85 to 12V DC power and pin 86 to ground. Measure voltage between pins 87 and 86. If the voltage is 12V, continue with the test. If not, replace the relay. Disconnect power from pin 85 and measure voltage between pins 87a and 86. If the voltage is 12V, the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

Relay - Micro ISO

Schematic



Terminals



Component testing procedure (no voltage applied)

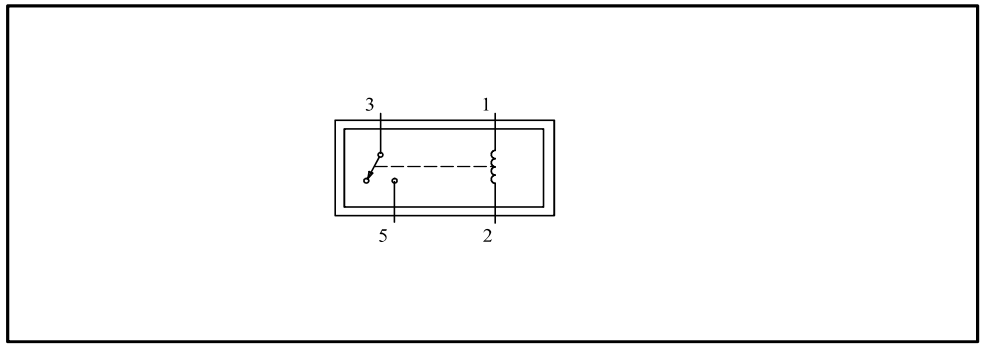
Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	1 and 2	66 - 106 Ohms
Contact	3 and 4	Closed circuit
	3 and 5	Open circuit
Coil - Contact	1 and 3	Open circuit
	1 and 4	Open circuit
	1 and 5	Open circuit

Component testing procedure (voltage applied)

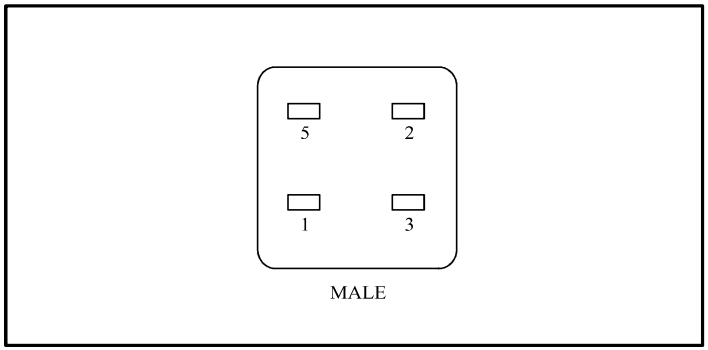
Disconnect the ohmmeter and connect pins 2 and 3 to 12V DC power and pin 1 to ground. Measure voltage between pins 5 and 1. If the voltage is 12V, continue with the test. If not, replace the relay. Disconnect power from pin 2 and measure voltage between pins 4 and 1. If the voltage is 12V, the relay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

Relay - Ultra Micro ISO

Schematic



Terminals



Component testing procedure (no voltage applied)

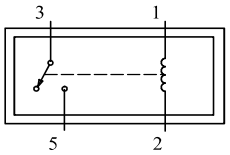
Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	1 and 2	87 - 216 Ohms
Contact	3 and 5	Open circuit
Coil - Contact	2 and 3	Open circuit
	2 and 5	Open circuit

Component testing procedure (voltage applied)

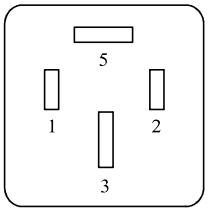
Disconnect the ohmmeter and connect pins 3 and 1 to 12V DC power and pin 2 to ground. Measure voltage between pins 5 and 2. If the voltage is 12V, the relay is okay. If not, replace the relay.

Relay - High Current ISO

Schematic



Terminals



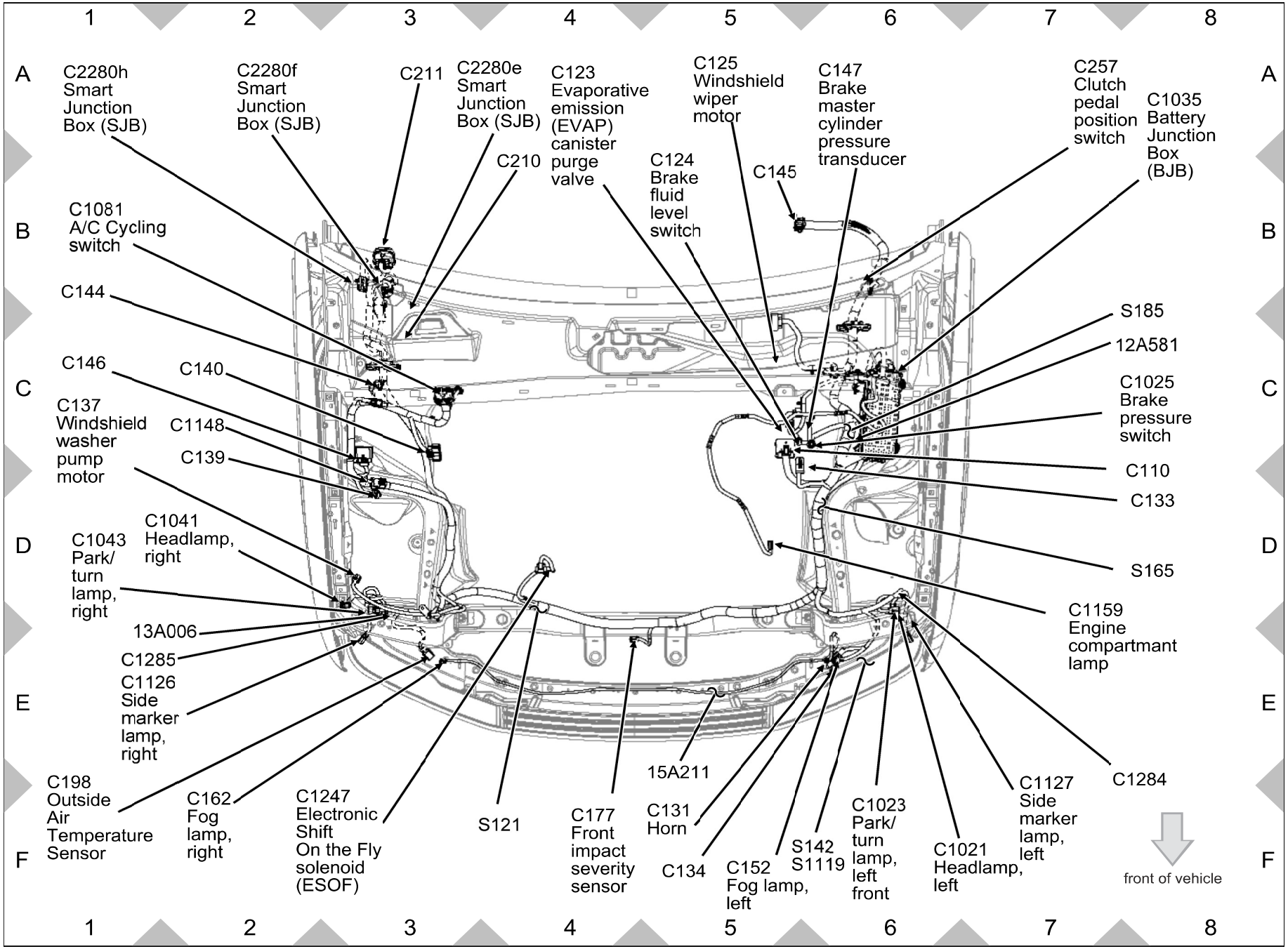
MALE

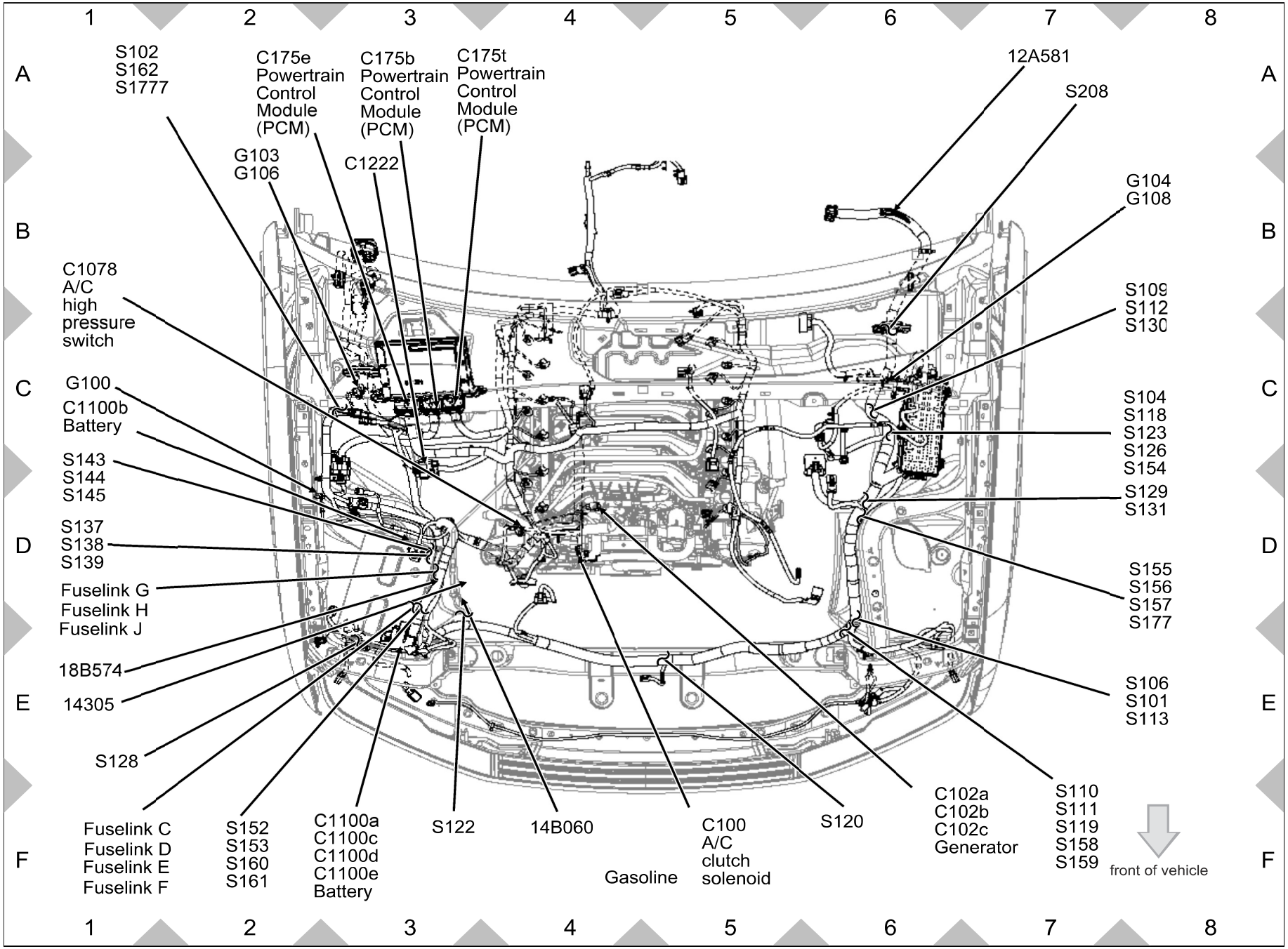
Component testing procedure (no voltage applied)

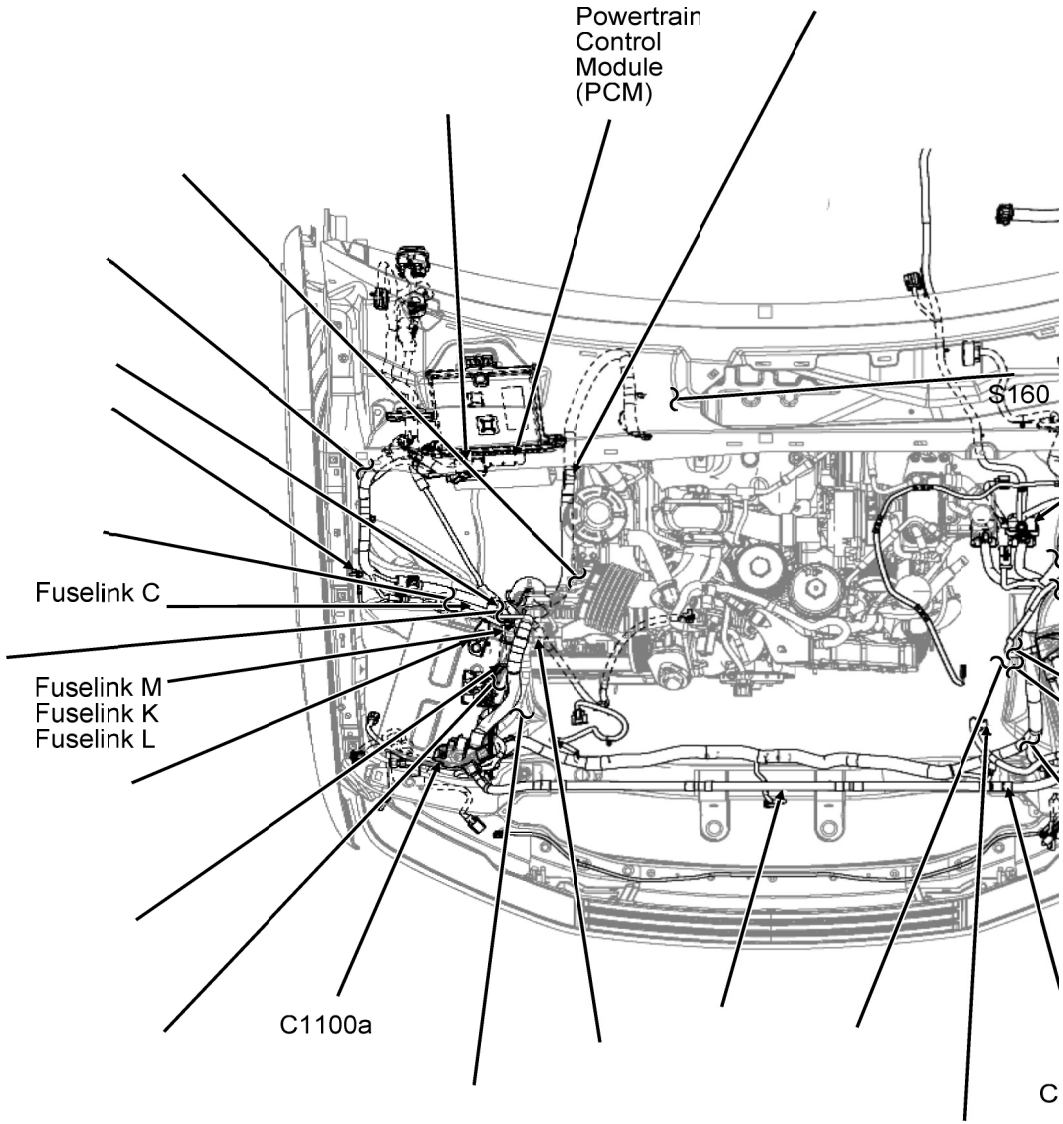
Circuit to test	Connect ohmmeter to terminals	A good relay will indicate
Coil	1 and 2	65 - 112 Ohms
Contact	3 and 5	Open circuit
Coil - Contact	2 and 3	Open circuit
	2 and 5	Open circuit

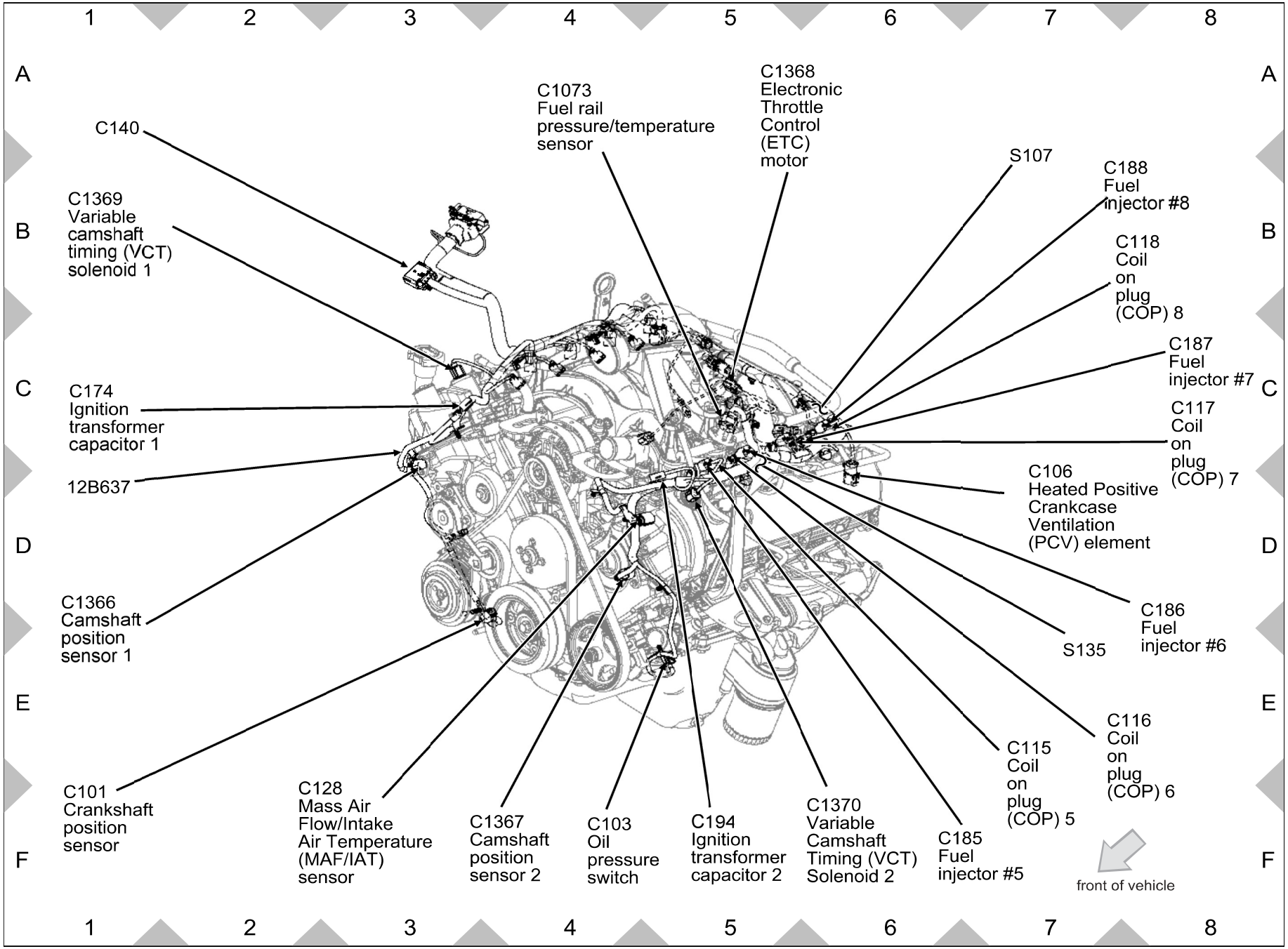
Component testing procedure (voltage applied)

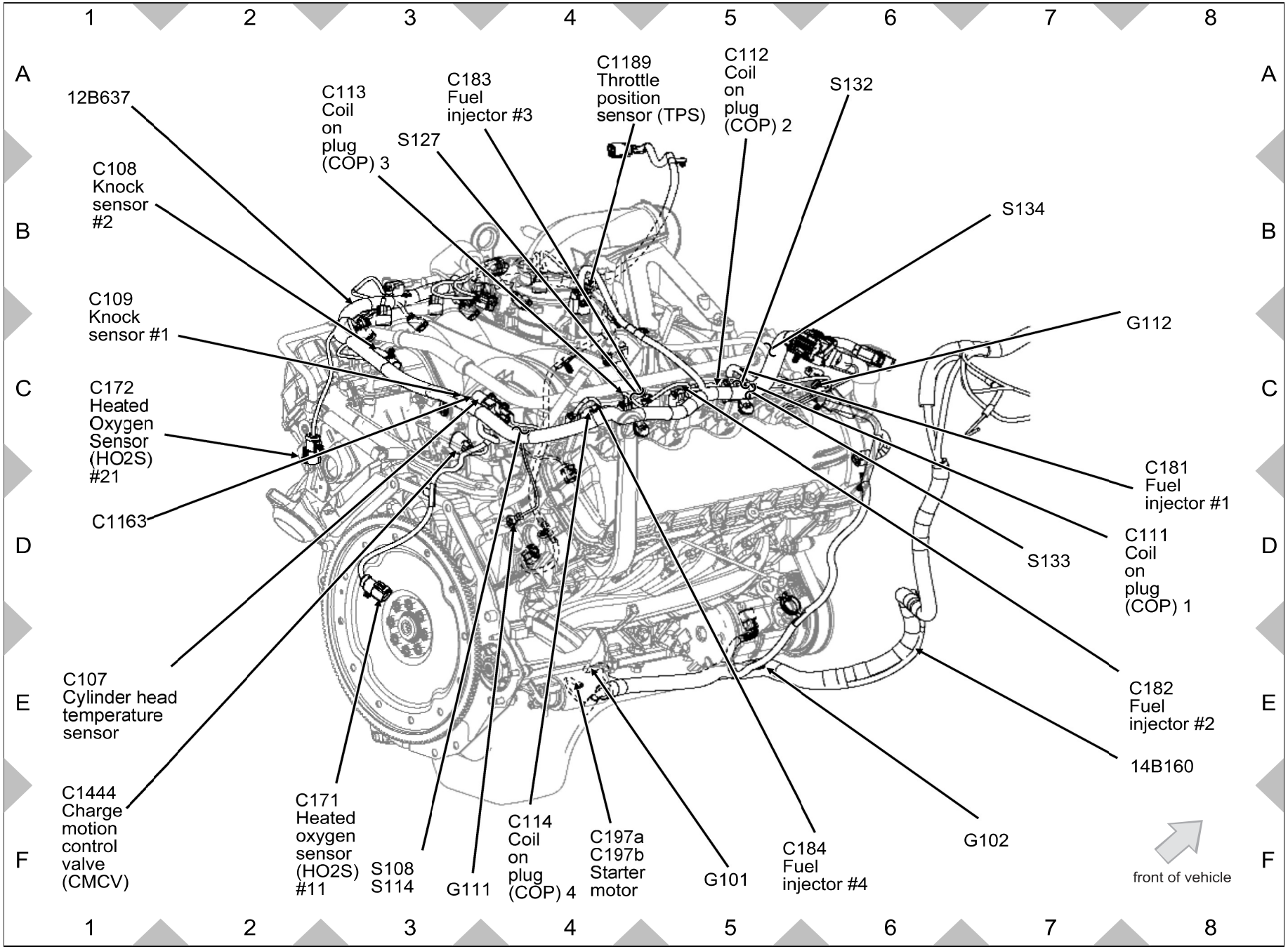
Disconnect the ohmmeter and connect pins 3 and 1 to 12V DC power and pin 2 to ground. Measure voltage between pins 5 and 2. If the voltage is 12V, the relay is okay. If not, replace the relay.

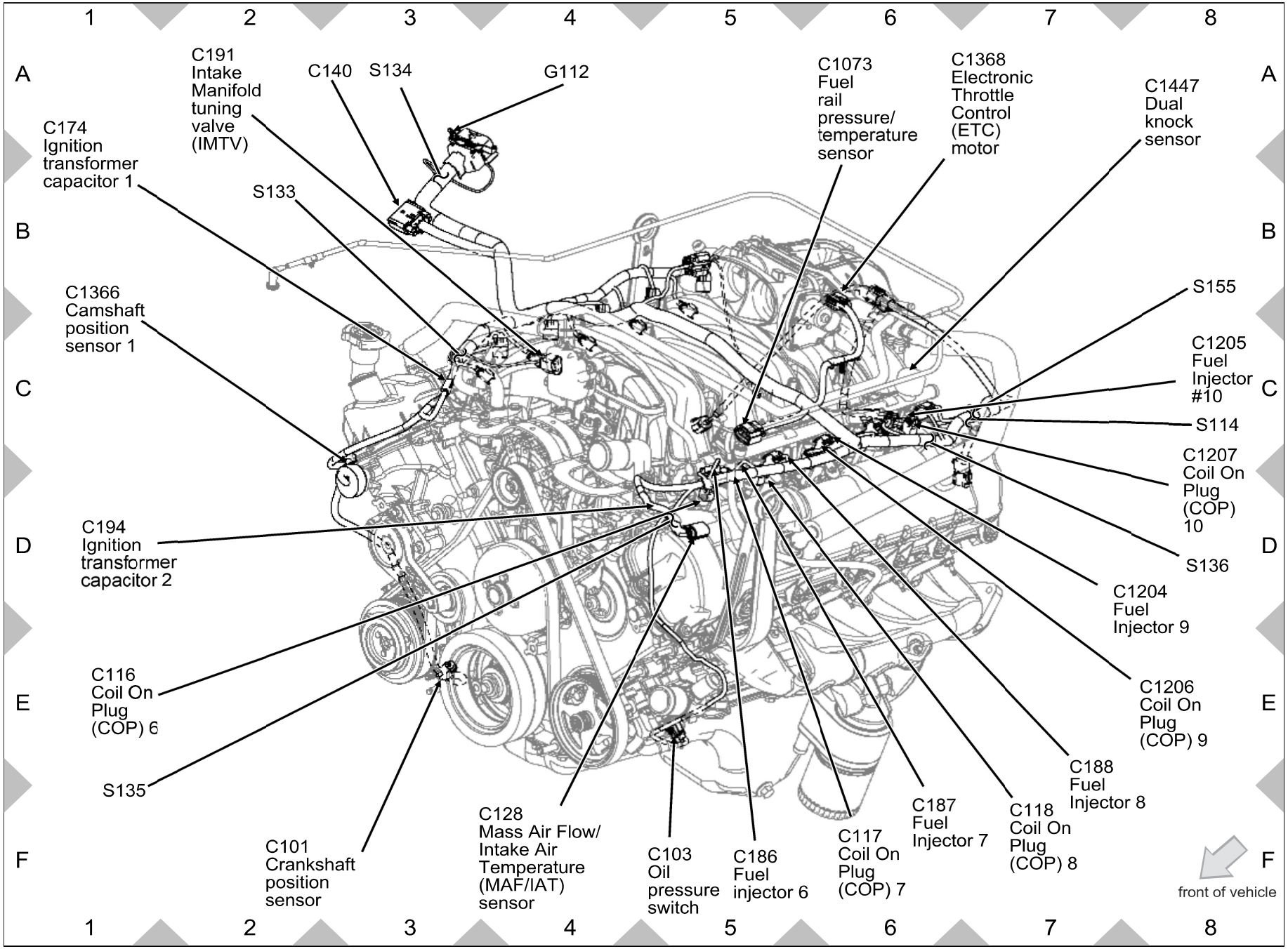

1
2
3
4
5
6
7
8
A
B
C
D
E
F
C2280h Smart Junction Box (SJB)
C2280f Smart Junction Box (SJB)
C211
C2280e Smart Junction Box (SJB)
C210
C123 Evaporative emission (EVAP) canister purge valve
C125 Windshield wiper motor
C145
C124 Brake fluid level switch
C147 Brake master cylinder pressure transducer
C257 Clutch pedal position switch
C1035 Battery Junction Box (BJB)
C1081 A/C Cycling switch
C144
C146
C140
C137 Windshield washer pump motor
C1148
C139
S185
12A581
C1025 Brake pressure switch
C110
C133
S165
C1159 Engine compartmant lamp
C1041 Headlamp, right
C1043 Park/ turn lamp, right
13A006
C1285
C1126 Side marker lamp, right
C198 Outside Air Temperature Sensor
C162 Fog lamp, right
C1247 Electronic Shift On the Fly solenoid (ESOF)
S121
C177 Front impact severity sensor
15A211
C131 Horn
C134
C152 Fog lamp, left
S142
S1119
C1023 Park/ turn lamp, left front
C1021 Headlamp, left
C1127 Side marker lamp, left
C1284
front of vehicle

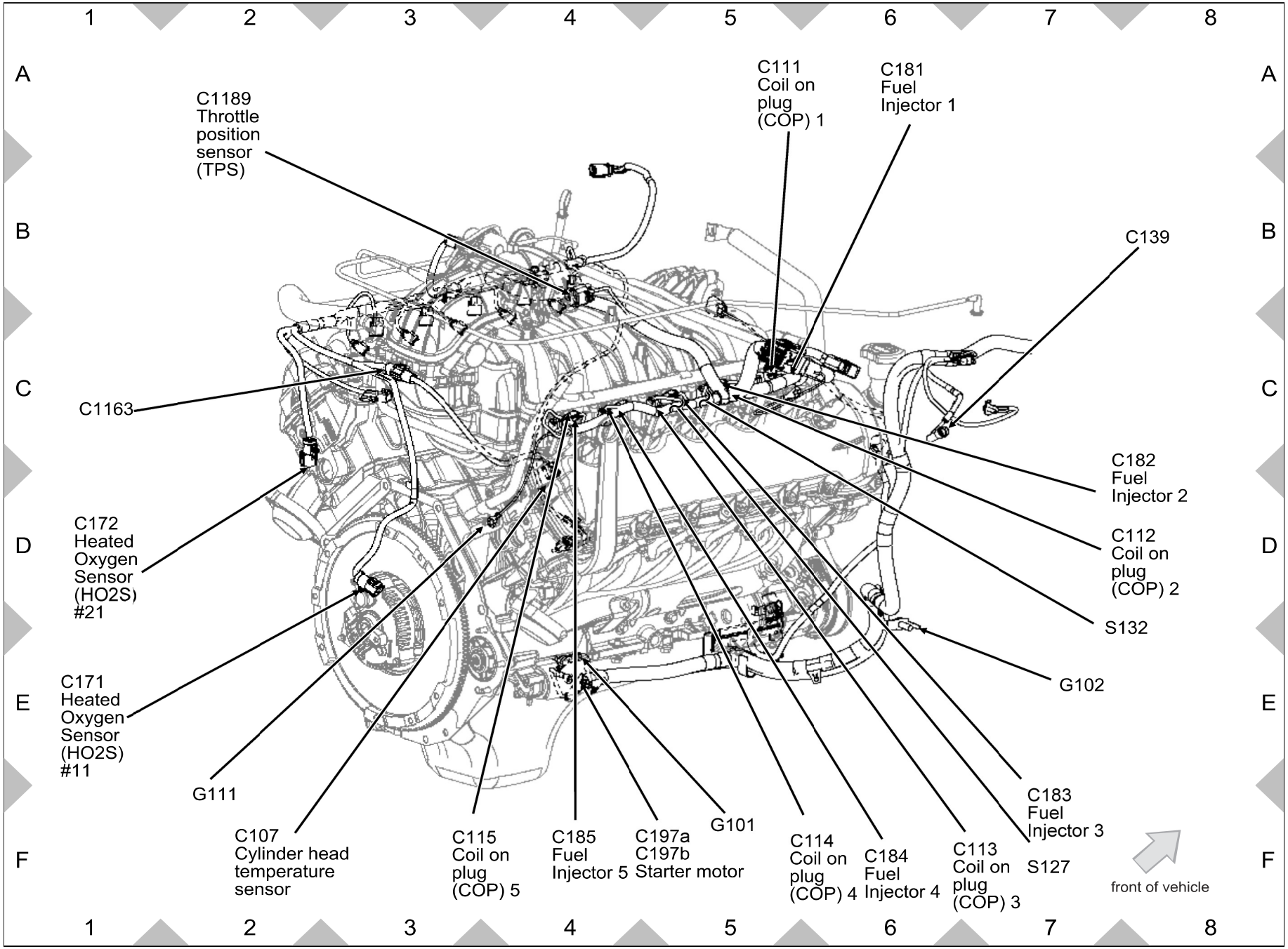

1
2
3
4
5
6
7
8
A
B
C
D
E
F
S102
S162
S1777
C175e
Powertrain
Control
Module
(PCM)
C175b
Powertrain
Control
Module
(PCM)
C175t
Powertrain
Control
Module
(PCM)
12A581
S208
G103
G106
C1222
G104
G108
C1078
A/C
high
pressure
switch
S109
S112
S130
G100
C1100b
Battery
S104
S118
S123
S126
S154
S143
S144
S145
S129
S131
S137
S138
S139
S155
S156
S157
S177
Fuselink G
Fuselink H
Fuselink J
18B574
14305
S106
S101
S113
S128
Fuselink C
Fuselink D
Fuselink E
Fuselink F
S152
S153
S160
S161
C1100a
C1100c
C1100d
C1100e
Battery
S122
14B060
Gasoline
C100
A/C
clutch
solenoid
S120
C102a
C102b
C102c
Generator
S110
S111
S119
S158
S159
front of vehicle

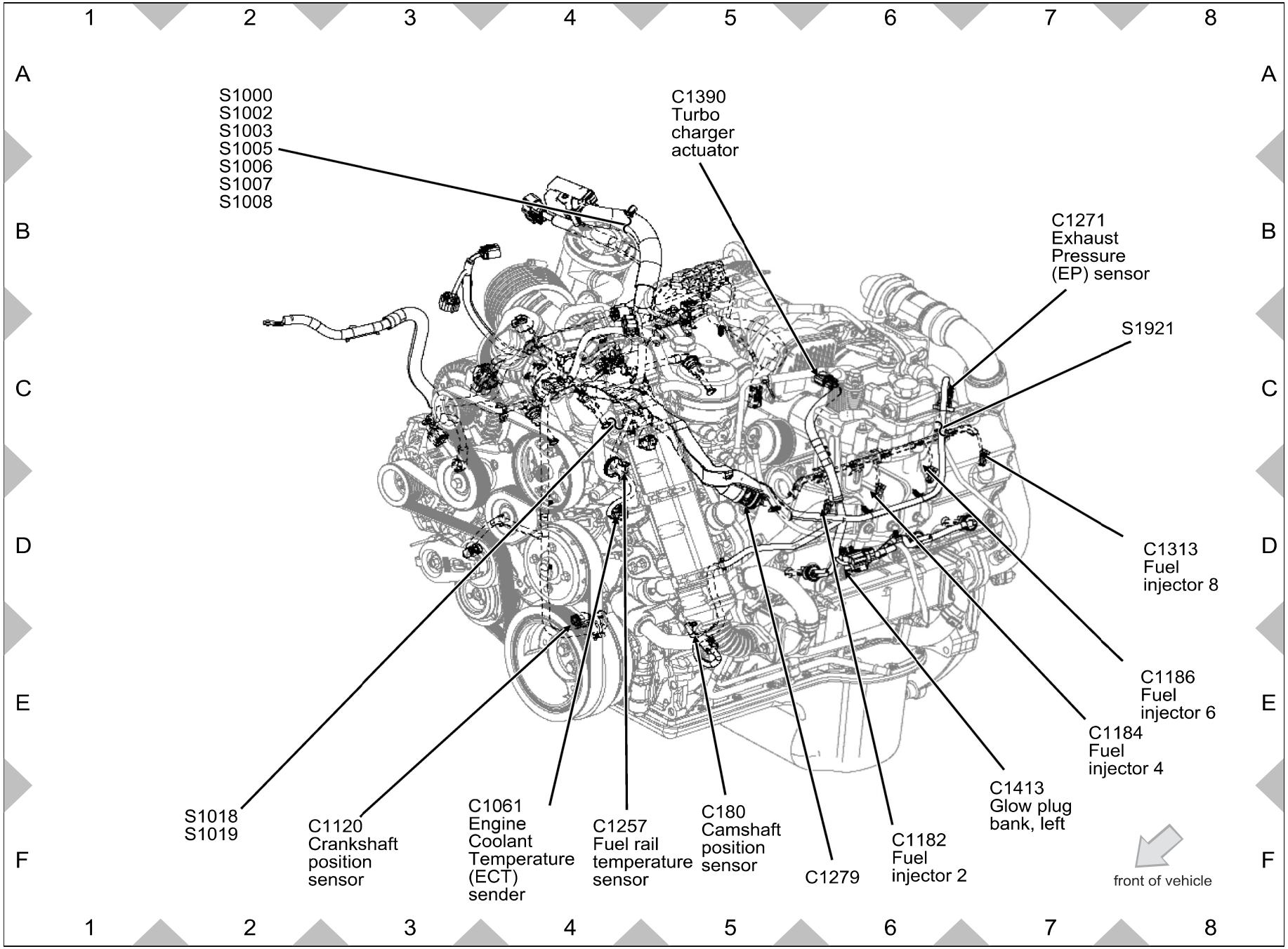

Powertrain
Control
Module
(PCM)
S160
Fuselink C
Fuselink M
Fuselink K
Fuselink L
C1100a
C

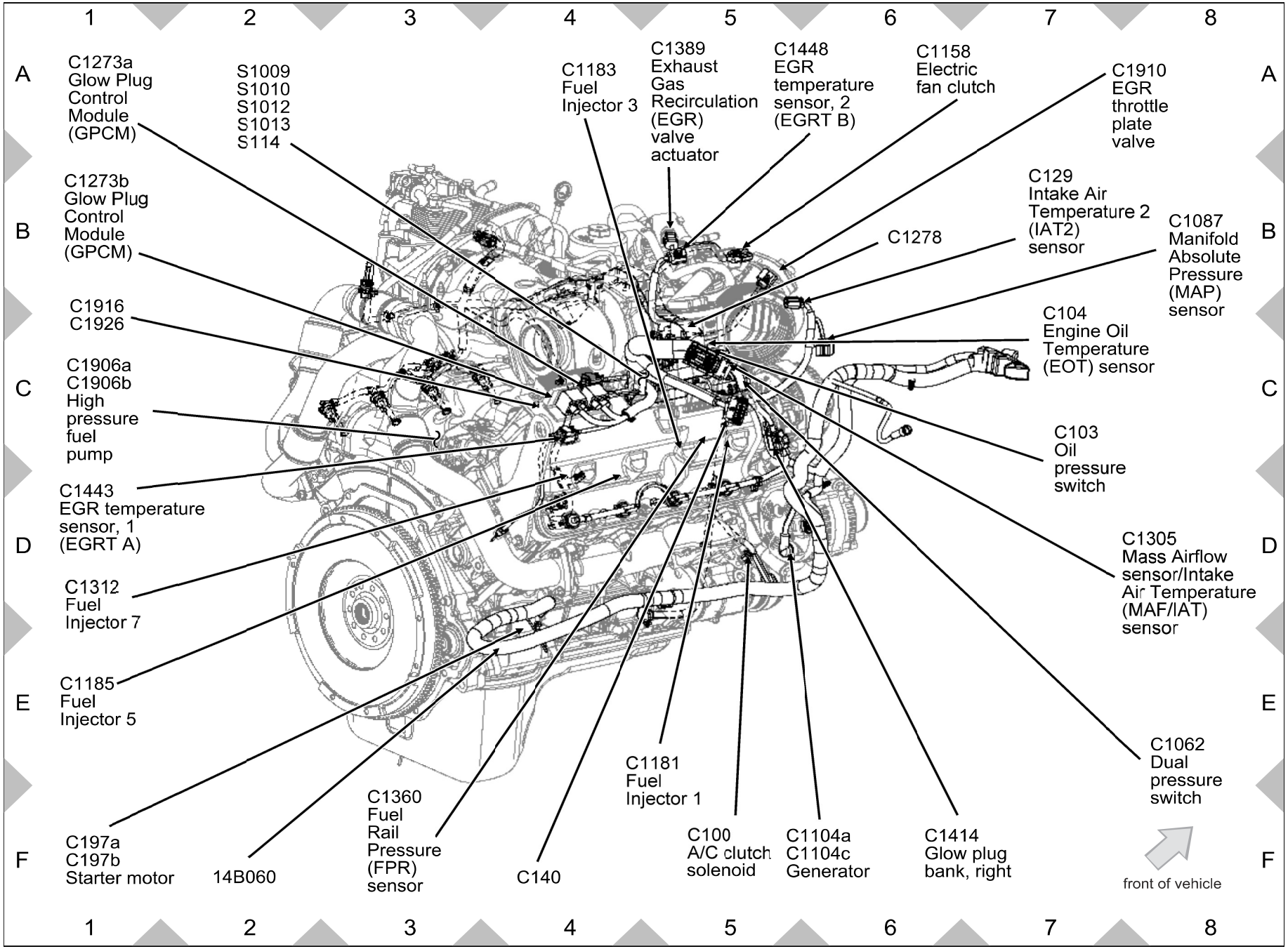

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A
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C140
C1369 Variable camshaft timing (VCT) solenoid 1
C174 Ignition transformer capacitor 1
12B637
C1366 Camshaft position sensor 1
C101 Crankshaft position sensor
C128 Mass Air Flow/Intake Air Temperature (MAF/IAT) sensor
C1367 Camshaft position sensor 2
C103 Oil pressure switch
C194 Ignition transformer capacitor 2
C1370 Variable Camshaft Timing (VCT) Solenoid 2
C185 Fuel injector #5
C115 Coil on plug (COP) 5
C116 Coil on plug (COP) 6
S135
C186 Fuel injector #6
C106 Heated Positive Crankcase Ventilation (PCV) element
C117 Coil on plug (COP) 7
C187 Fuel injector #7
C118 Coil on plug (COP) 8
C188 Fuel injector #8
S107
C1073 Fuel rail pressure/temperature sensor
C1368 Electronic Throttle Control (ETC) motor
front of vehicle

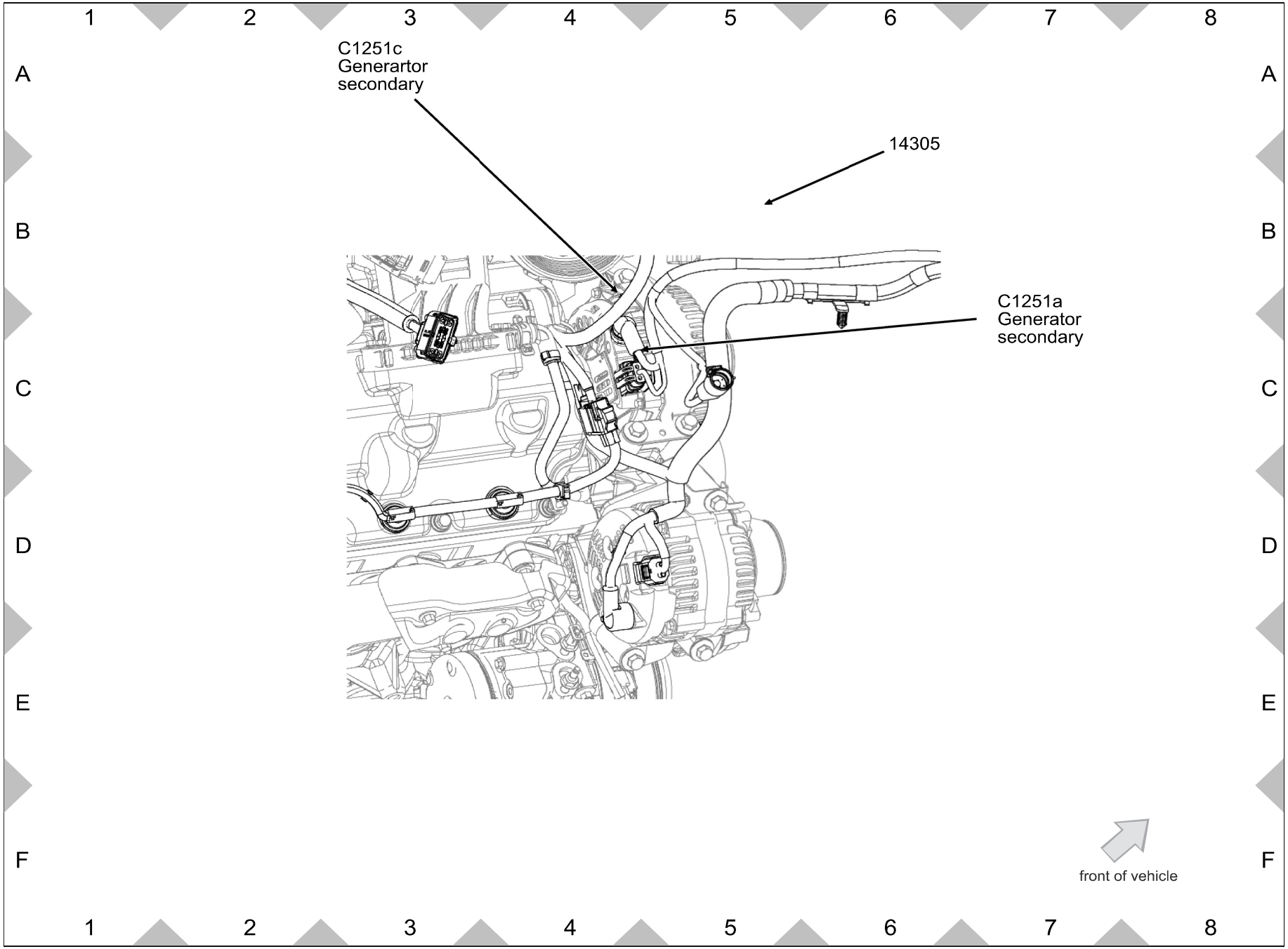

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A
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C
D
E
F
12B637
C113 Coil on plug (COP) 3
C183 Fuel injector #3
C1189 Throttle position sensor (TPS)
C112 Coil on plug (COP) 2
S132
S127
C108 Knock sensor #2
S134
C109 Knock sensor #1
G112
C172 Heated Oxygen Sensor (HO2S) #21
C181 Fuel injector #1
C1163
C111 Coil on plug (COP) 1
S133
C107 Cylinder head temperature sensor
C182 Fuel injector #2
14B160
C1444 Charge motion control valve (CMCV)
C171 Heated oxygen sensor (HO2S) #11
S108
S114
G111
C114 Coil on plug (COP) 4
C197a
C197b Starter motor
G101
C184 Fuel injector #4
G102
front of vehicle

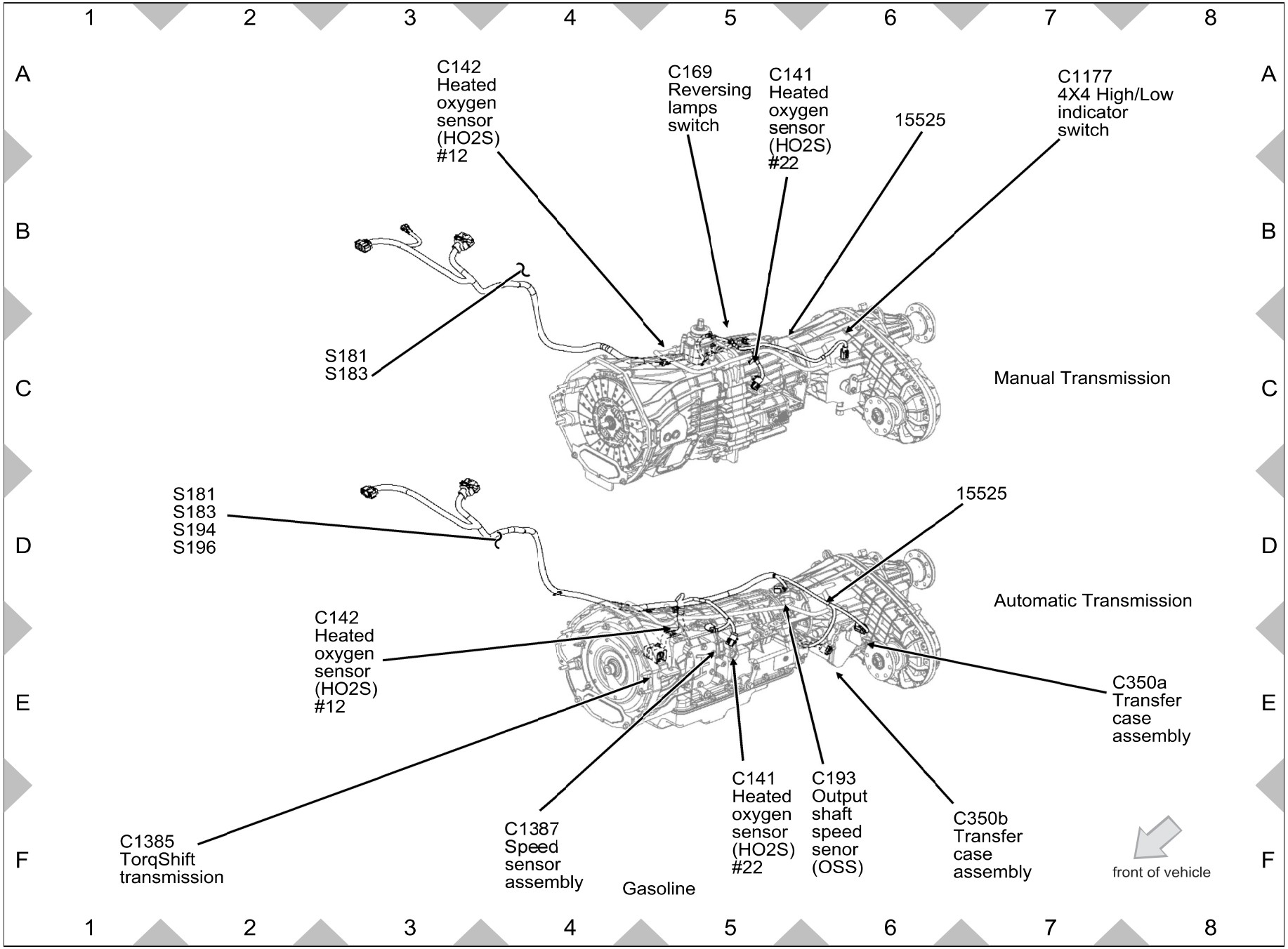

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A
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C
D
E
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C191
Intake
Manifold
tuning
valve
(IMTV)
C140
S134
G112
C1073
Fuel
rail
pressure/
temperature
sensor
C1368
Electronic
Throttle
Control
(ETC)
motor
C1447
Dual
knock
sensor
C174
Ignition
transformer
capacitor 1
S133
C1366
Camshaft
position
sensor 1
S155
C1205
Fuel
Injector
#10
S114
C1207
Coil On
Plug
(COP)
10
S136
C194
Ignition
transformer
capacitor 2
C1204
Fuel
Injector 9
C116
Coil On
Plug
(COP) 6
C1206
Coil On
Plug
(COP) 9
S135
C188
Fuel
Injector 8
C128
Mass Air Flow/
Intake Air
Temperature
(MAF/IAT)
sensor
C187
Fuel
Injector 7
C118
Coil On
Plug
(COP) 8
C101
Crankshaft
position
sensor
C103
Oil
pressure
switch
C186
Fuel
injector 6
C117
Coil On
Plug
(COP) 7
front of vehicle

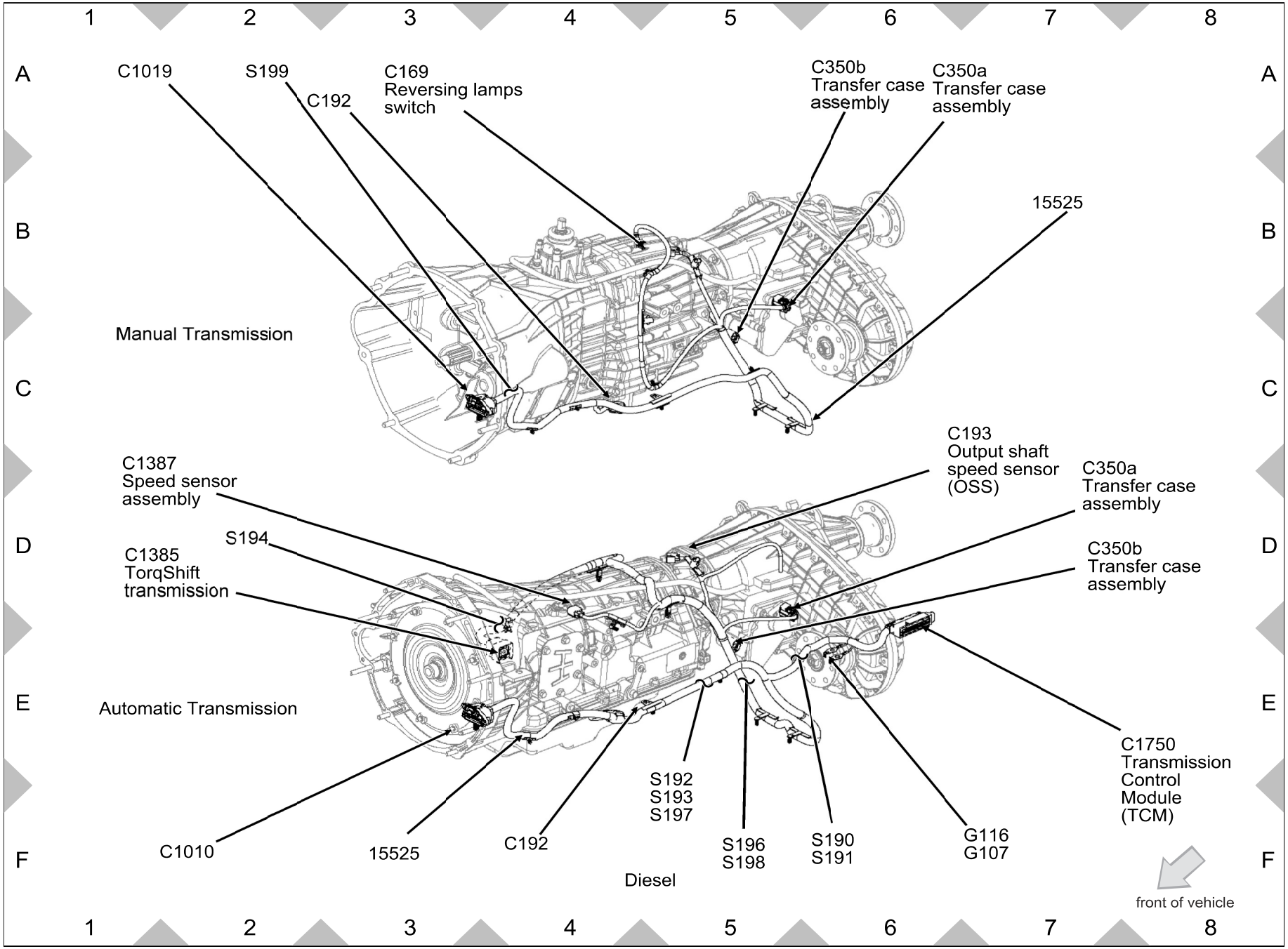

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A
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C
D
E
F
C1189
Throttle
position
sensor
(TPS)
C111
Coil on
plug
(COP) 1
C181
Fuel
Injector 1
C139
C1163
C182
Fuel
Injector 2
C172
Heated
Oxygen
Sensor
(HO2S)
#21
C112
Coil on
plug
(COP) 2
S132
G102
C171
Heated
Oxygen
Sensor
(HO2S)
#11
G111
C107
Cylinder head
temperature
sensor
C115
Coil on
plug
(COP) 5
C185
Fuel
Injector 5
C197a
C197b
Starter motor
G101
C114
Coil on
plug
(COP) 4
C184
Fuel
Injector 4
C113
Coil on
plug
(COP) 3
C183
Fuel
Injector 3
S127
front of vehicle

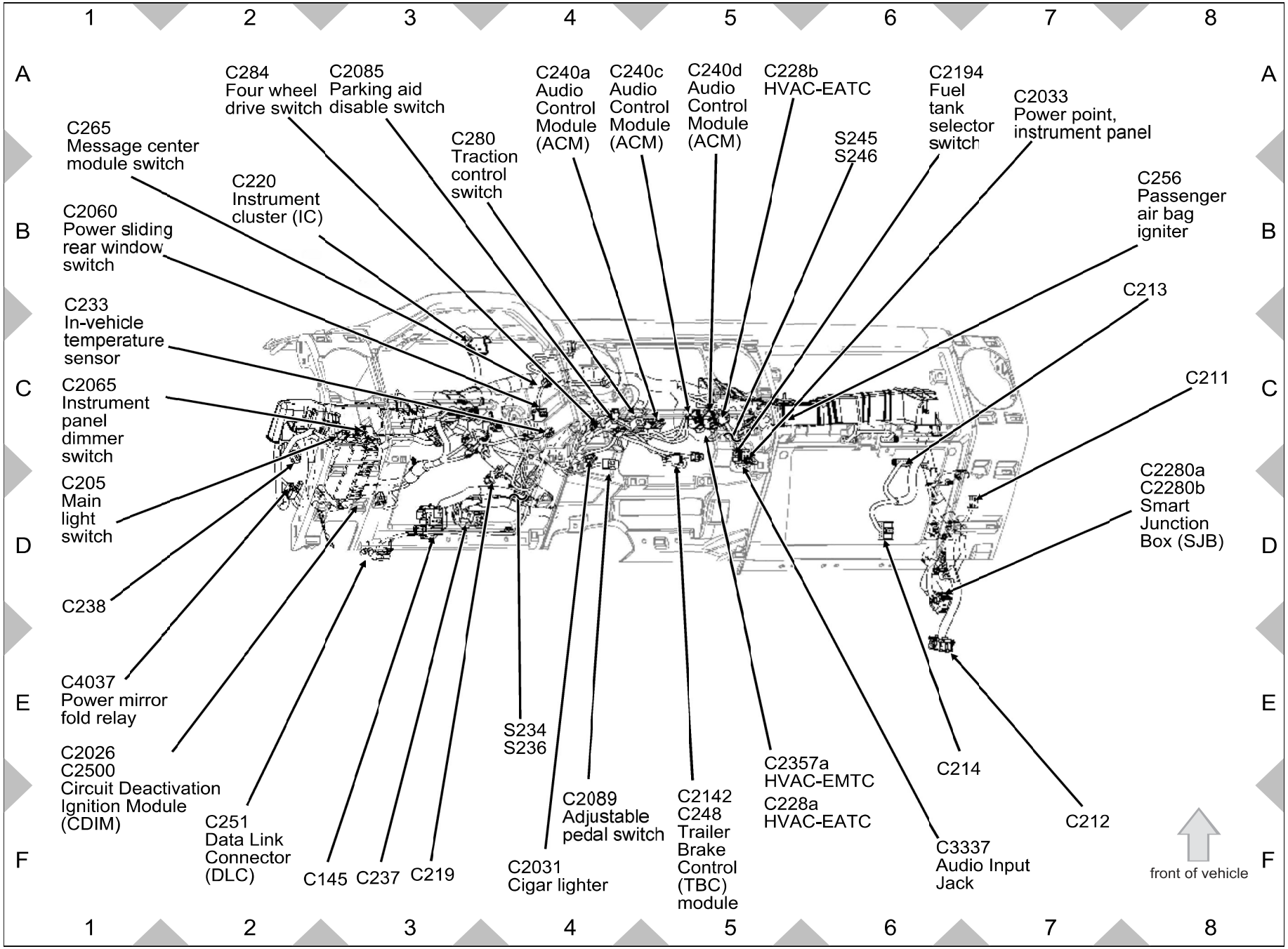

S1000
S1002
S1003
S1005
S1006
S1007
S1008
C1390
Turbo
charger
actuator
C1271
Exhaust
Pressure
(EP) sensor
S1921
C1313
Fuel
injector 8
C1186
Fuel
injector 6
C1184
Fuel
injector 4
C1413
Glow plug
bank, left
C1182
Fuel
injector 2
C1279
C180
Camshaft
position
sensor
C1257
Fuel rail
temperature
sensor
C1061
Engine
Coolant
Temperature
(ECT)
sender
C1120
Crankshaft
position
sensor
S1018
S1019
front of vehicle

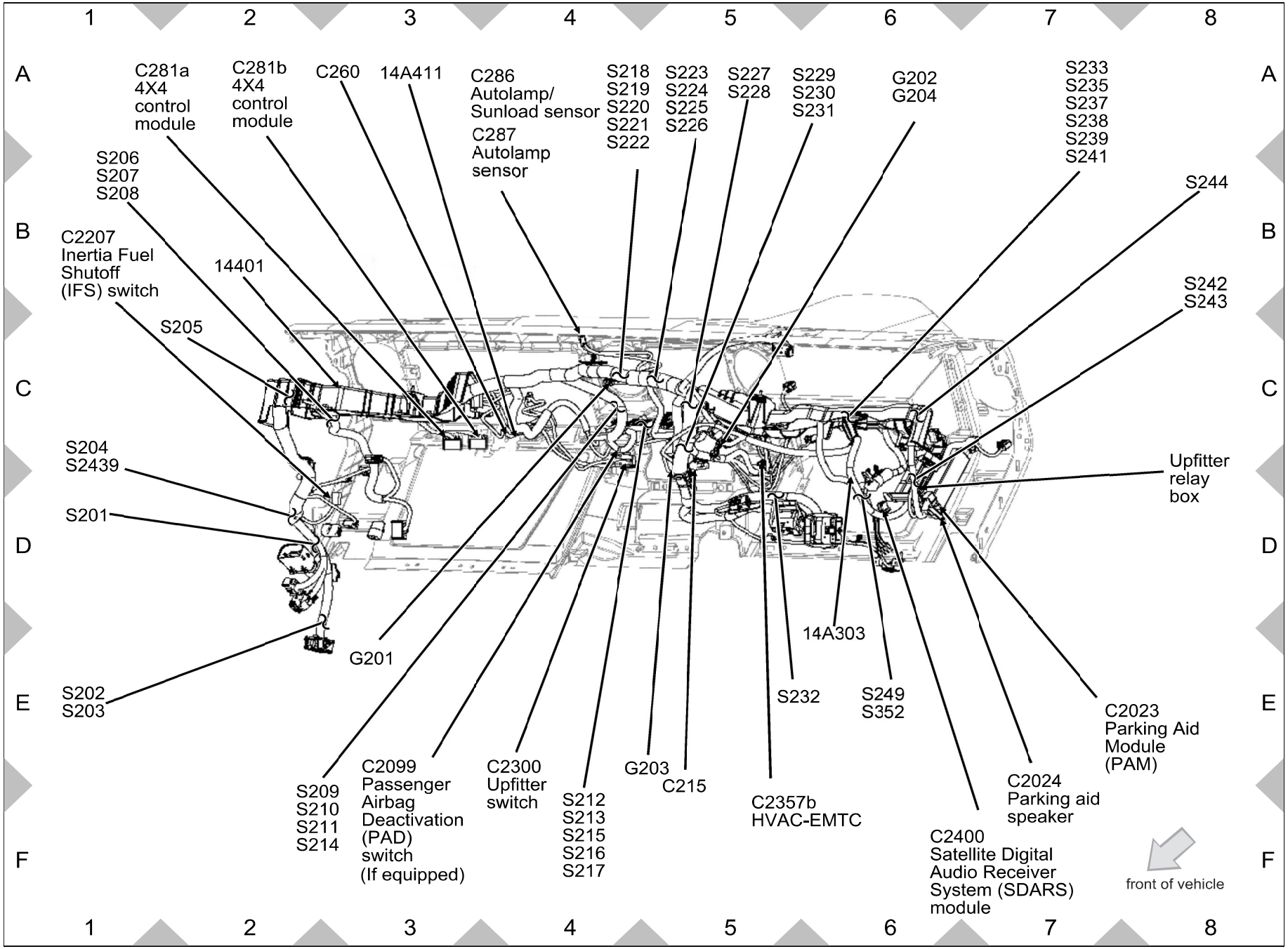

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A
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F
C1273a Glow Plug Control Module (GPCM)
S1009
S1010
S1012
S1013
S114
C1183 Fuel Injector 3
C1389 Exhaust Gas Recirculation (EGR) valve actuator
C1448 EGR temperature sensor, 2 (EGRT B)
C1158 Electric fan clutch
C1910 EGR throttle plate valve
C1273b Glow Plug Control Module (GPCM)
C1278
C129 Intake Air Temperature 2 (IAT2) sensor
C1087 Manifold Absolute Pressure (MAP) sensor
C1916
C1926
C104 Engine Oil Temperature (EOT) sensor
C1906a
C1906b
High pressure fuel pump
C103 Oil pressure switch
C1443 EGR temperature sensor, 1 (EGRT A)
C1305 Mass Airflow sensor/Intake Air Temperature (MAF/IAT) sensor
C1312 Fuel Injector 7
C1185 Fuel Injector 5
C1062 Dual pressure switch
C1181 Fuel Injector 1
C1360 Fuel Rail Pressure (FPR) sensor
C100 A/C clutch solenoid
C1104a
C1104c
Generator
C1414 Glow plug bank, right
C197a
C197b
Starter motor
14B060
C140
front of vehicle

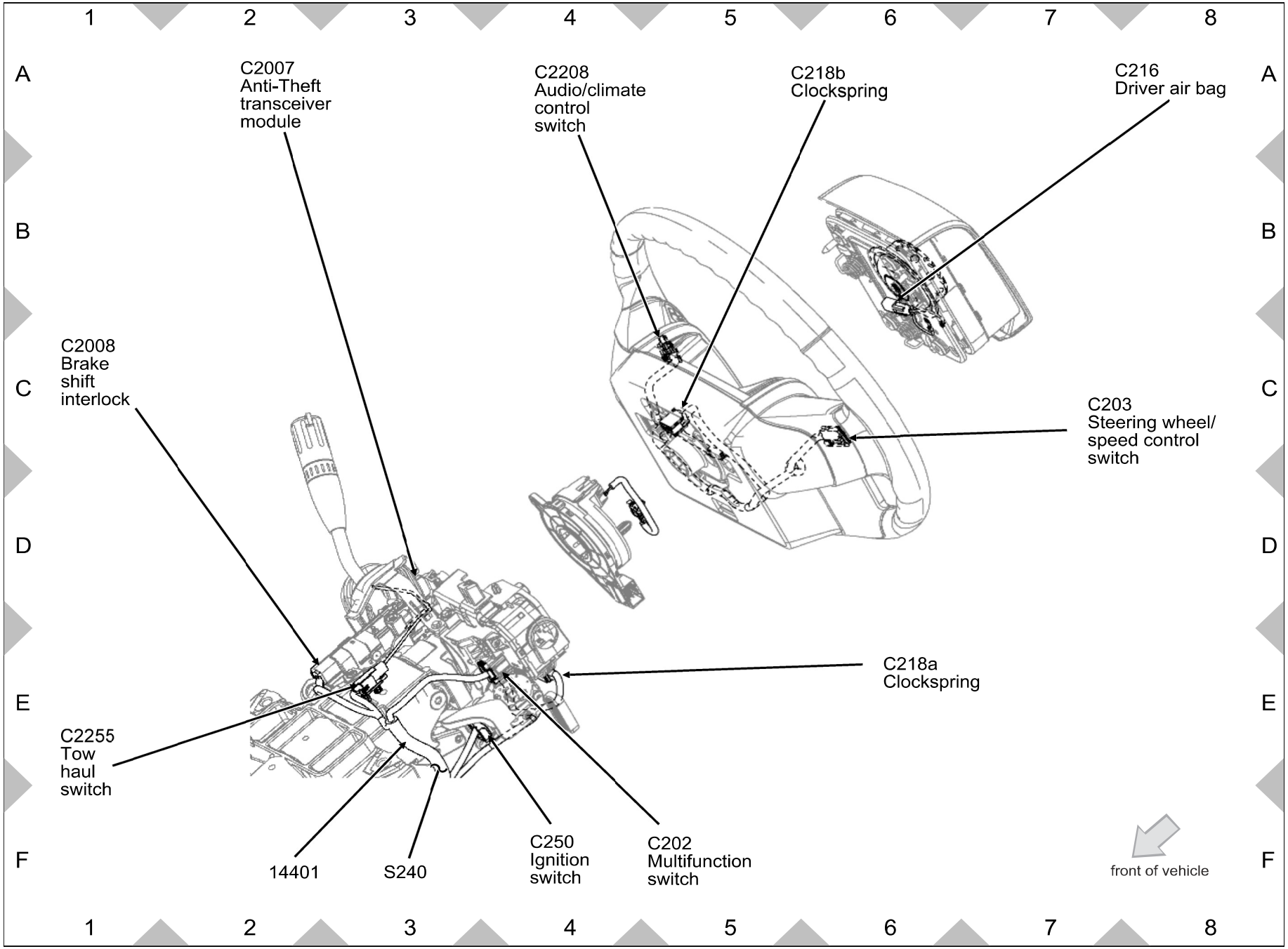

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A
B
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D
E
F
C1251c
Generartor
secondary
14305
C1251a
Generator
secondary
front of vehicle

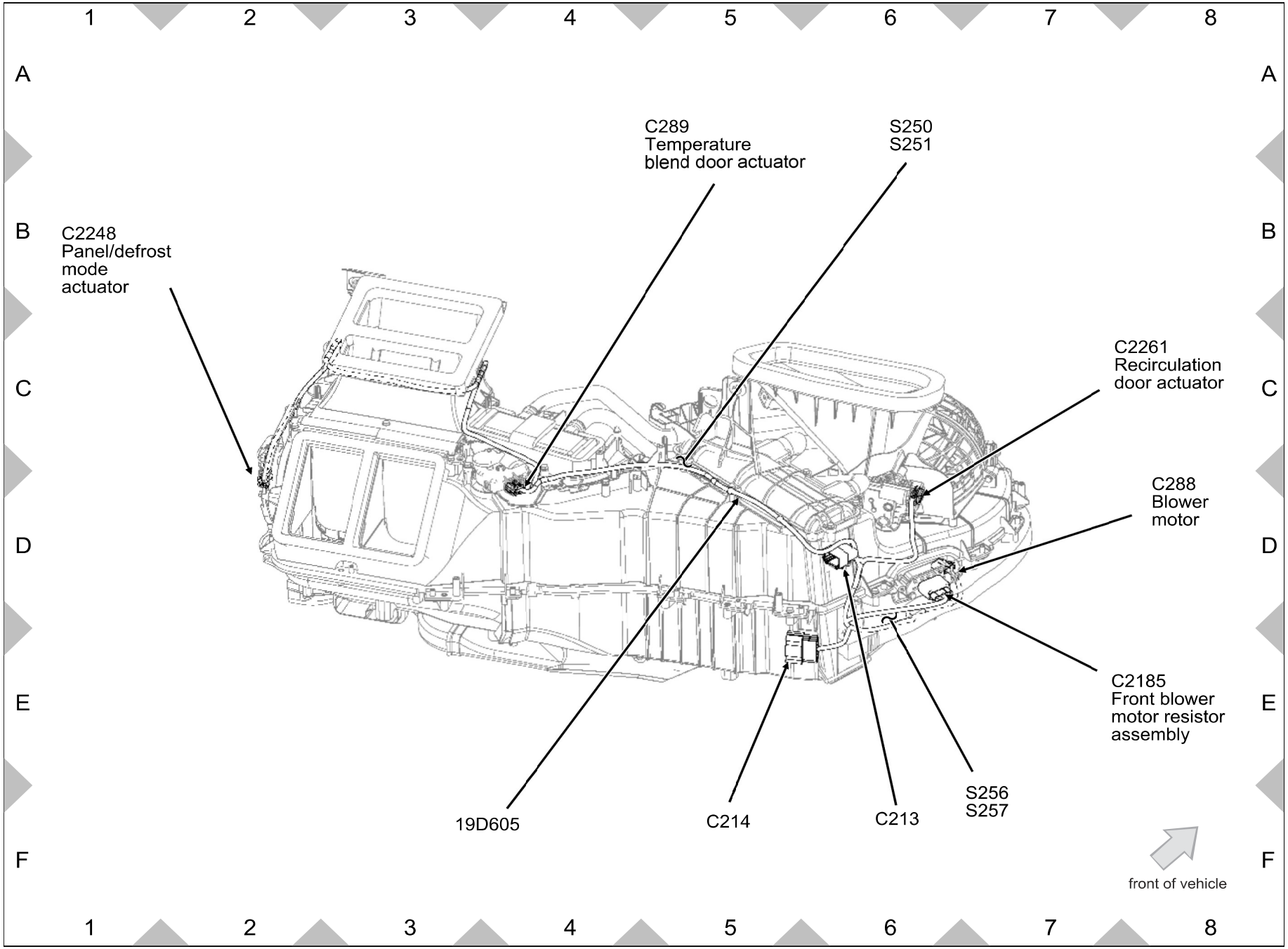

C142
Heated
oxygen
sensor
(HO2S)
#12
C169
Reversing
lamps
switch
C141
Heated
oxygen
sensor
(HO2S)
#22
15525
C1177
4X4 High/Low
indicator
switch
S181
S183
Manual Transmission
S181
S183
S194
S196
15525
Automatic Transmission
C142
Heated
oxygen
sensor
(HO2S)
#12
C350a
Transfer
case
assembly
C1385
TorqShift
transmission
C1387
Speed
sensor
assembly
C141
Heated
oxygen
sensor
(HO2S)
#22
C193
Output
shaft
speed
senor
(OSS)
C350b
Transfer
case
assembly
Gasoline
front of vehicle

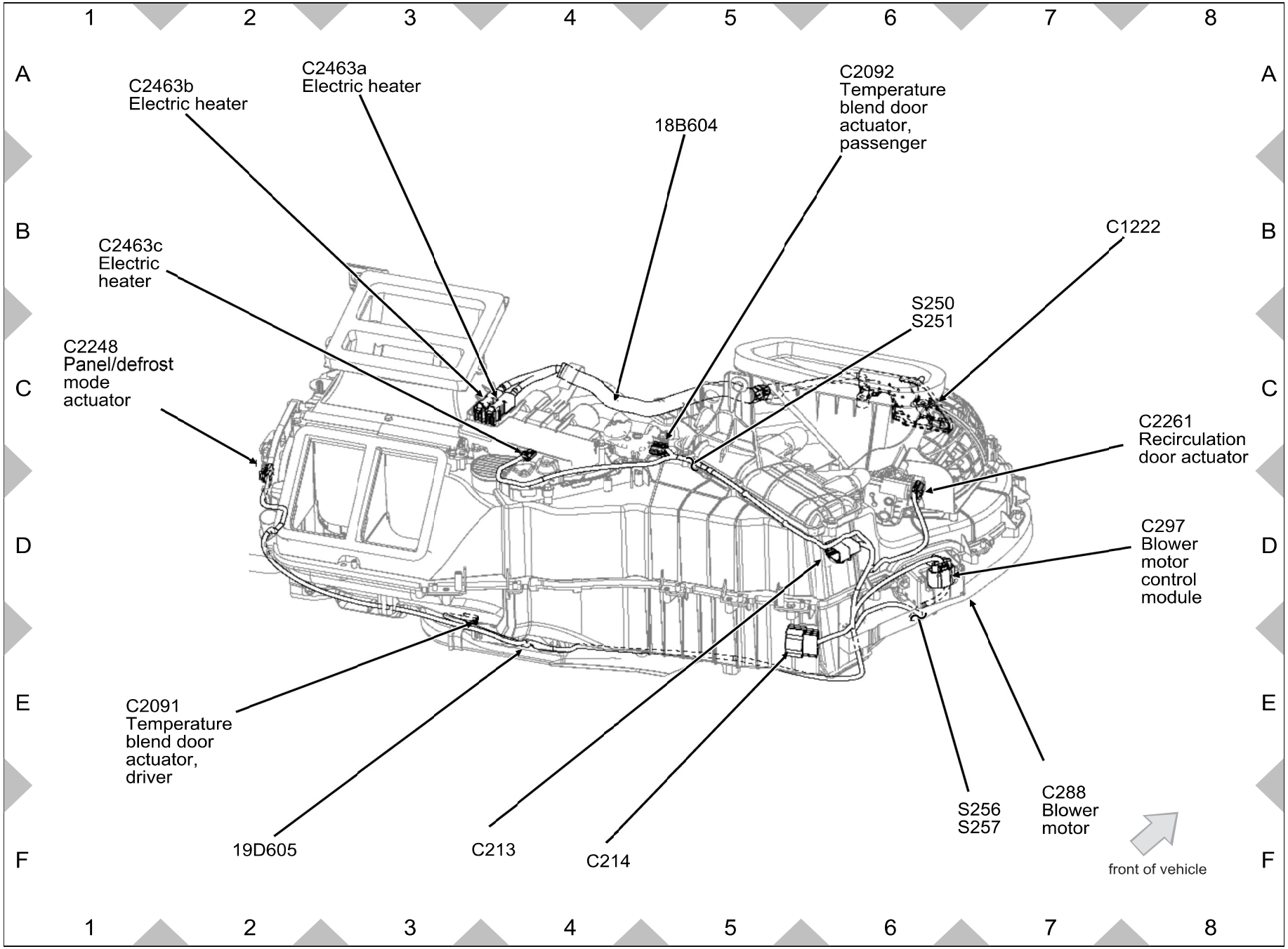

C1019
S199
C192
C169
Reversing lamps switch
C350b
Transfer case assembly
C350a
Transfer case assembly
15525
Manual Transmission
C193
Output shaft speed sensor (OSS)
C1387
Speed sensor assembly
C350a
Transfer case assembly
S194
C1385
TorqShift transmission
C350b
Transfer case assembly
Automatic Transmission
C1750
Transmission Control Module (TCM)
S192
S193
S197
C1010
15525
C192
S196
S198
S190
S191
G116
G107
Diesel
front of vehicle

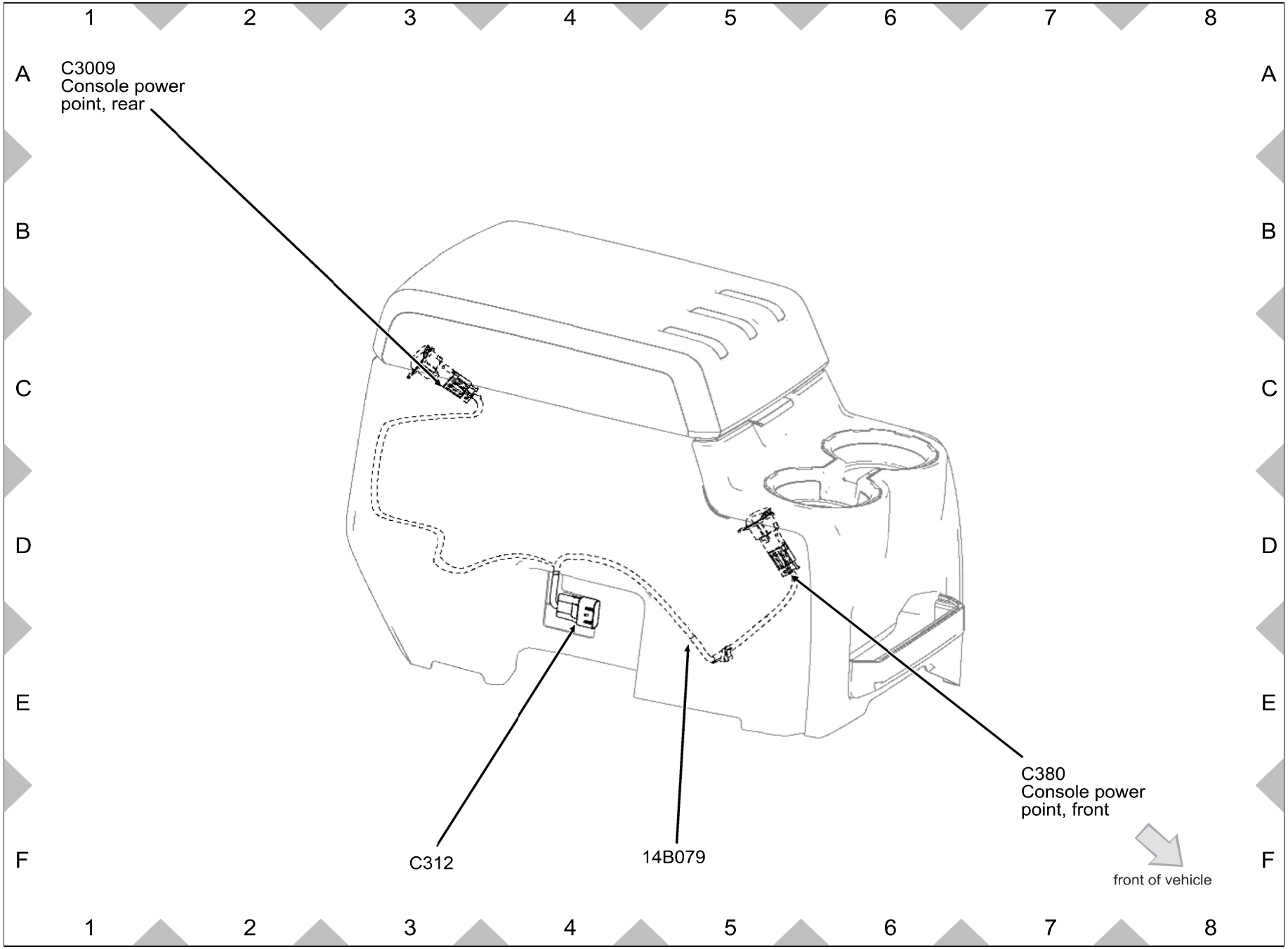

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A
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D
E
F
C284
Four wheel drive switch
C2085
Parking aid disable switch
C240a
Audio Control Module (ACM)
C240c
Audio Control Module (ACM)
C240d
Audio Control Module (ACM)
C228b
HVAC-EATC
C2194
Fuel tank selector switch
C2033
Power point, instrument panel
C265
Message center module switch
C280
Traction control switch
S245
S246
C220
Instrument cluster (IC)
C256
Passenger air bag igniter
C2060
Power sliding rear window switch
C213
C233
In-vehicle temperature sensor
C211
C2065
Instrument panel dimmer switch
C2280a
C2280b
Smart Junction Box (SJB)
C205
Main light switch
C238
C4037
Power mirror fold relay
S234
S236
C2026
C2500
Circuit Deactivation Ignition Module (CDIM)
C2089
Adjustable pedal switch
C2142
C248
Trailer Brake Control (TBC) module
C2357a
HVAC-EMTC
C228a
HVAC-EATC
C214
C212
C251
Data Link Connector (DLC)
C145
C237
C219
C2031
Cigar lighter
C3337
Audio Input Jack
front of vehicle

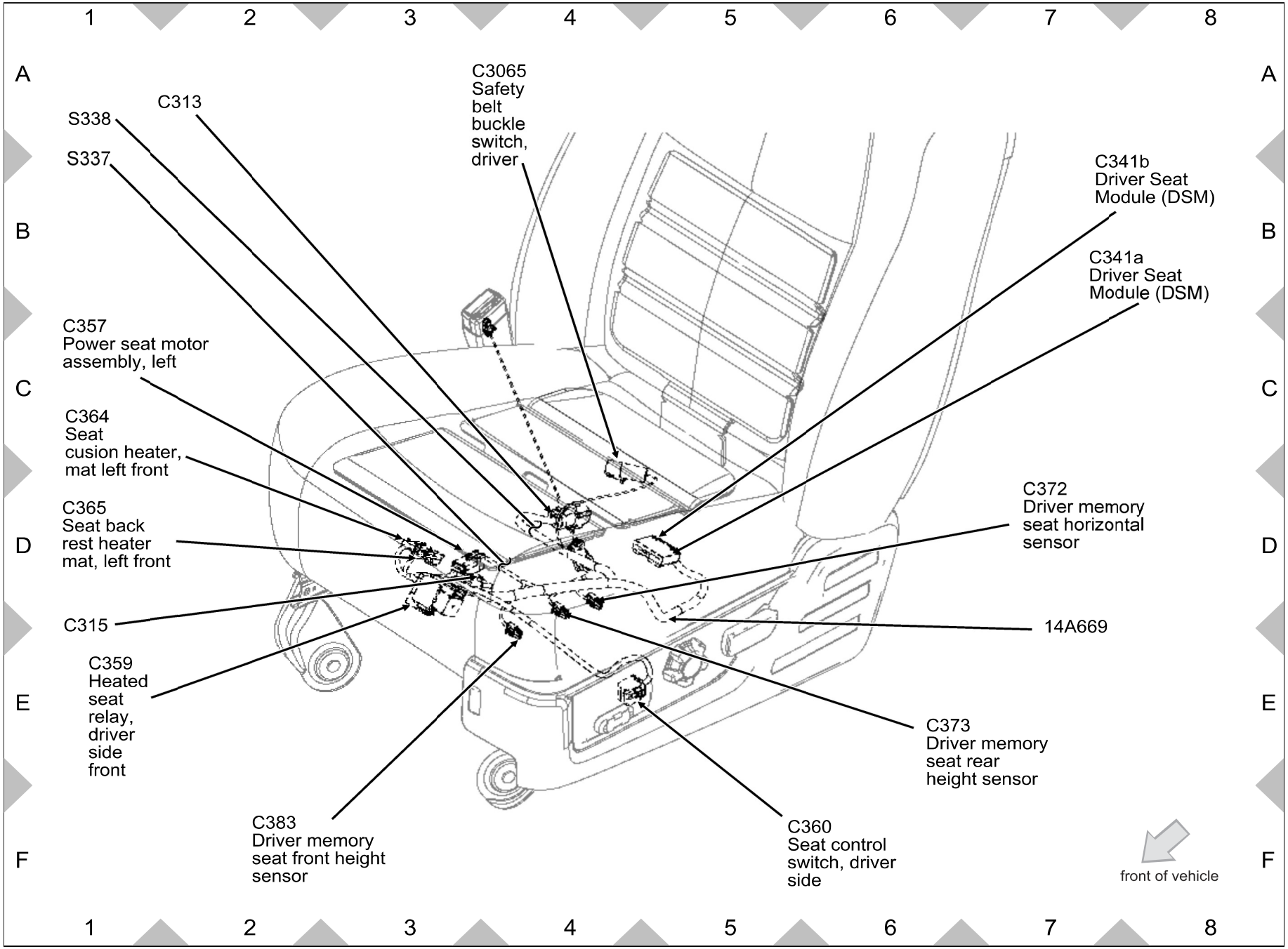

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A
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F
C281a 4X4 control module
C281b 4X4 control module
C260
14A411
C286 Autolamp/ Sunload sensor
C287 Autolamp sensor
S218 S219 S220 S221 S222
S223 S224 S225 S226
S227 S228
S229 S230 S231
G202 G204
S233 S235 S237 S238 S239 S241
S244
S206 S207 S208
C2207 Inertia Fuel Shutoff (IFS) switch
14401
S205
S242 S243
S204 S2439
S201
Upfitter relay box
14A303
S232
S249 S352
G201
S202 S203
S209 S210 S211 S214
C2099 Passenger Airbag Deactivation (PAD) switch (If equipped)
C2300 Upfitter switch
S212 S213 S215 S216 S217
G203
C215
C2357b HVAC-EMTC
C2400 Satellite Digital Audio Receiver System (SDARS) module
C2024 Parking aid speaker
C2023 Parking Aid Module (PAM)
front of vehicle

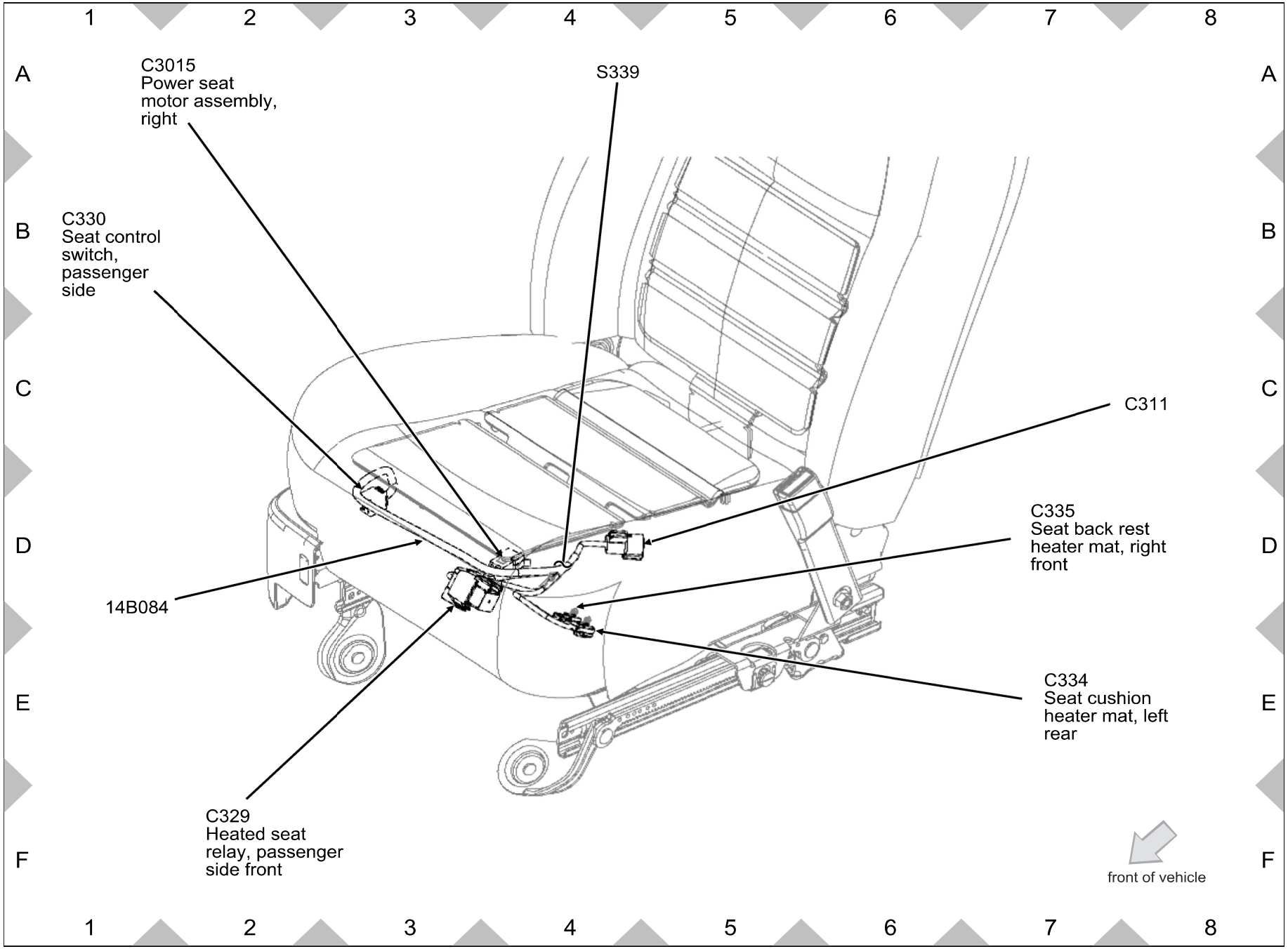

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A
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C
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F
C2007
Anti-Theft
transceiver
module
C2208
Audio/climate
control
switch
C218b
Clockspring
C216
Driver air bag
C2008
Brake
shift
interlock
C203
Steering wheel/
speed control
switch
C218a
Clockspring
C2255
Tow
haul
switch
14401
S240
C250
Ignition
switch
C202
Multifunction
switch
front of vehicle

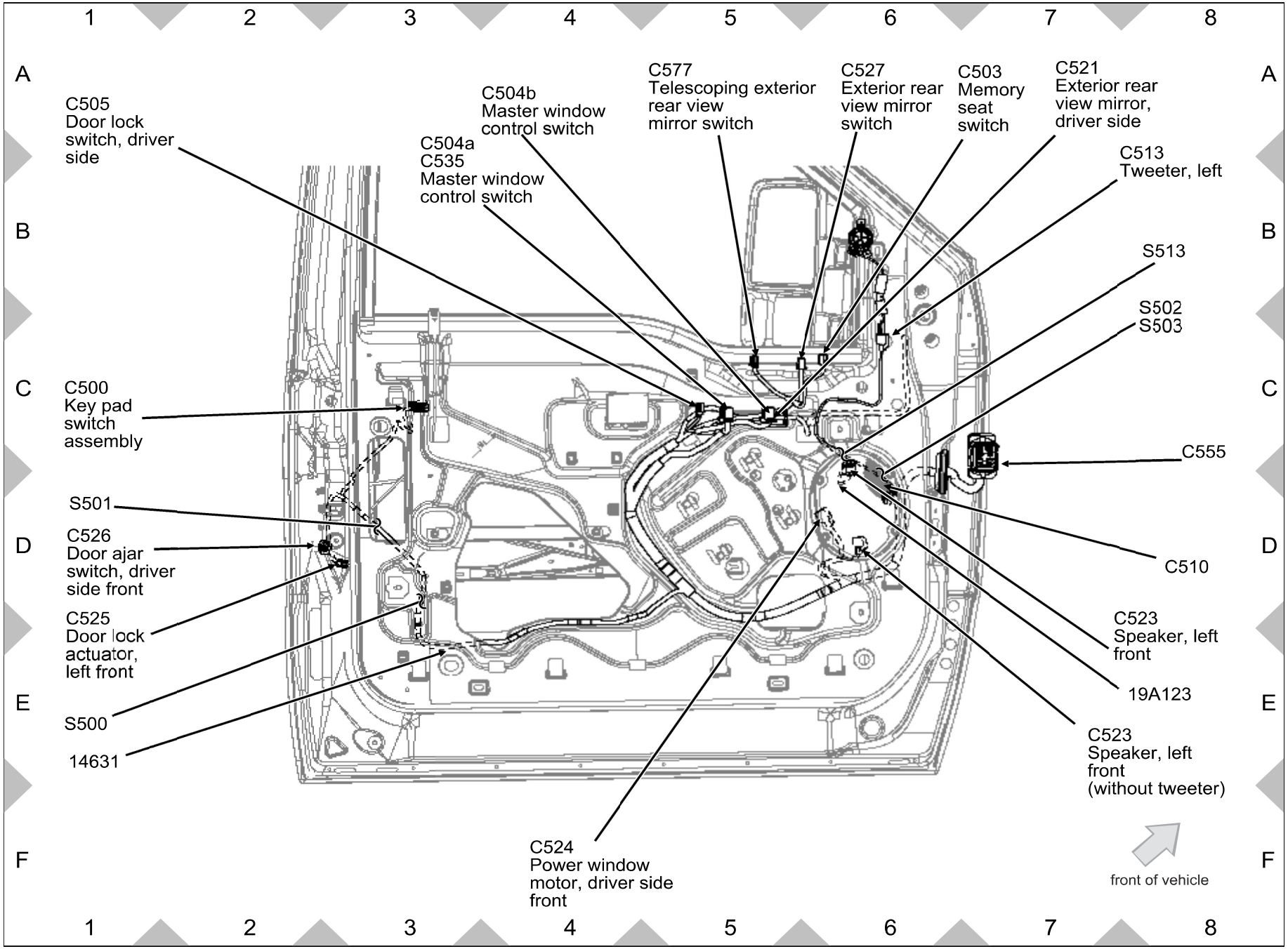

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A
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C
D
E
F
C289
Temperature
blend door actuator
S250
S251
C2248
Panel/defrost
mode
actuator
C2261
Recirculation
door actuator
C288
Blower
motor
C2185
Front blower
motor resistor
assembly
19D605
C214
C213
S256
S257
front of vehicle

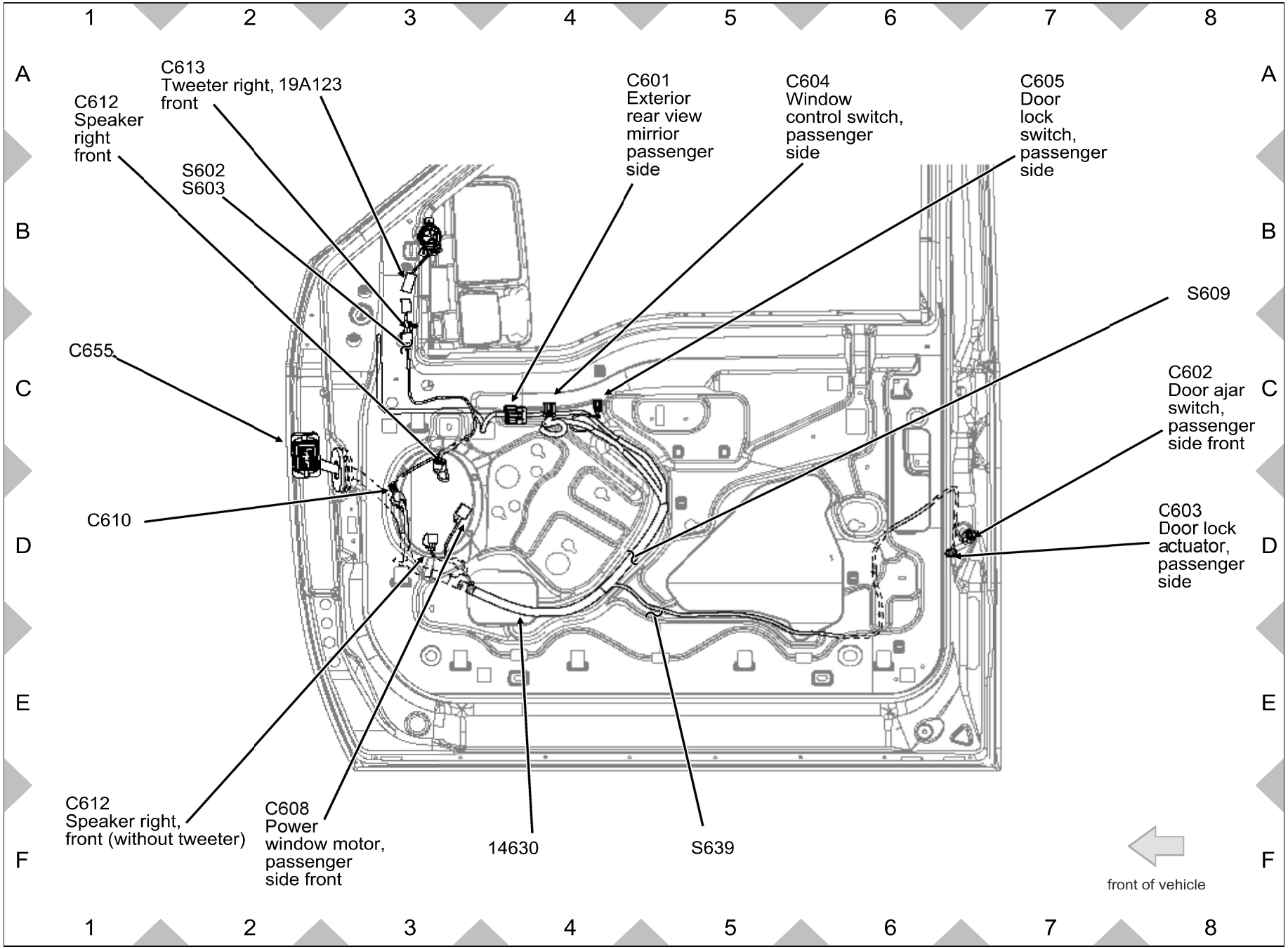

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A
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C
D
E
F
C2463b
Electric heater
C2463a
Electric heater
18B604
C2092
Temperature
blend door
actuator,
passenger
C1222
C2463c
Electric
heater
S250
S251
C2248
Panel/defrost
mode
actuator
C2261
Recirculation
door actuator
C297
Blower
motor
control
module
C2091
Temperature
blend door
actuator,
driver
19D605
C213
C214
S256
S257
C288
Blower
motor
front of vehicle

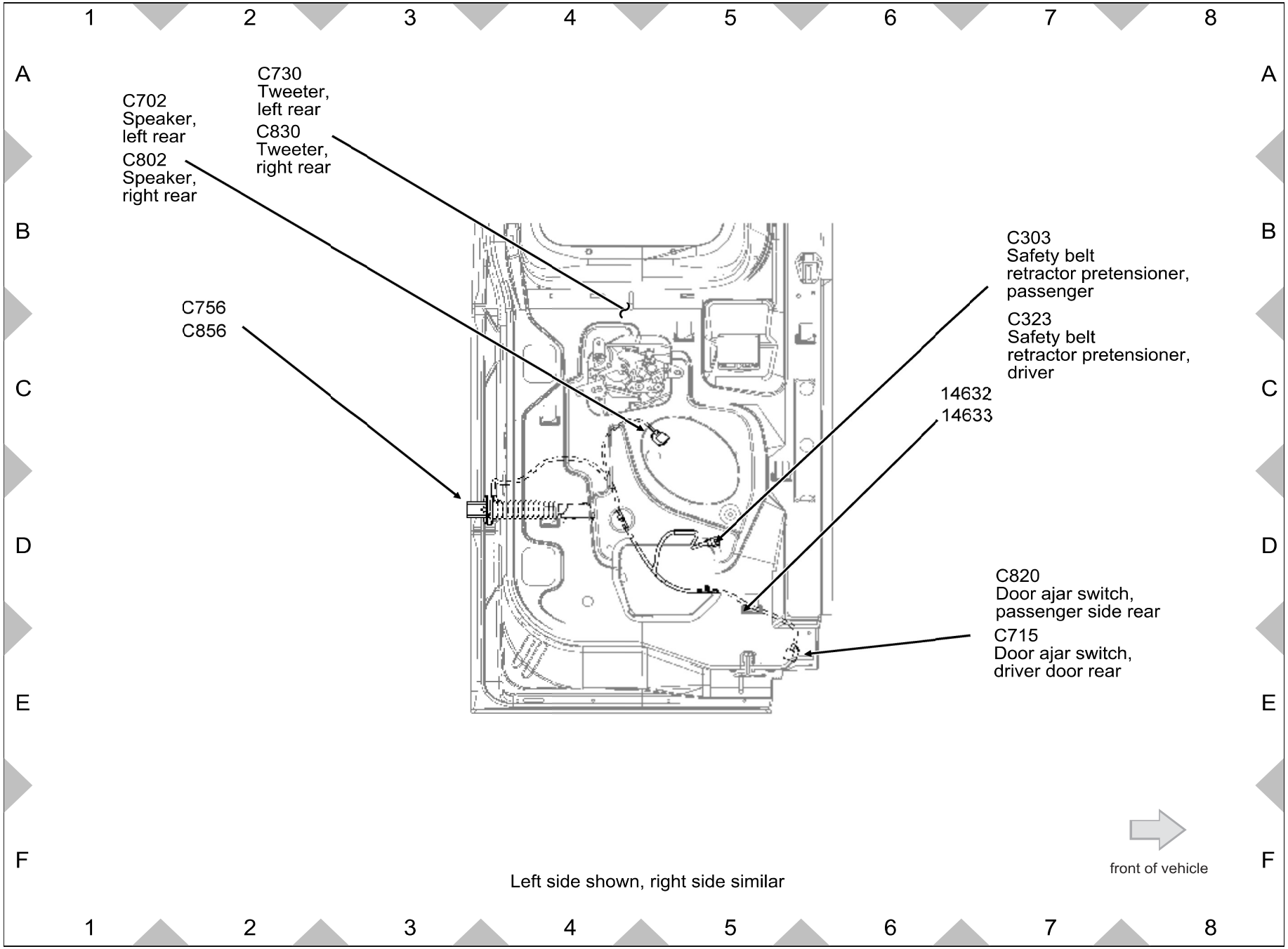

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A
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C
D
E
F
C3009
Console power
point, rear
C312
14B079
C380
Console power
point, front
front of vehicle

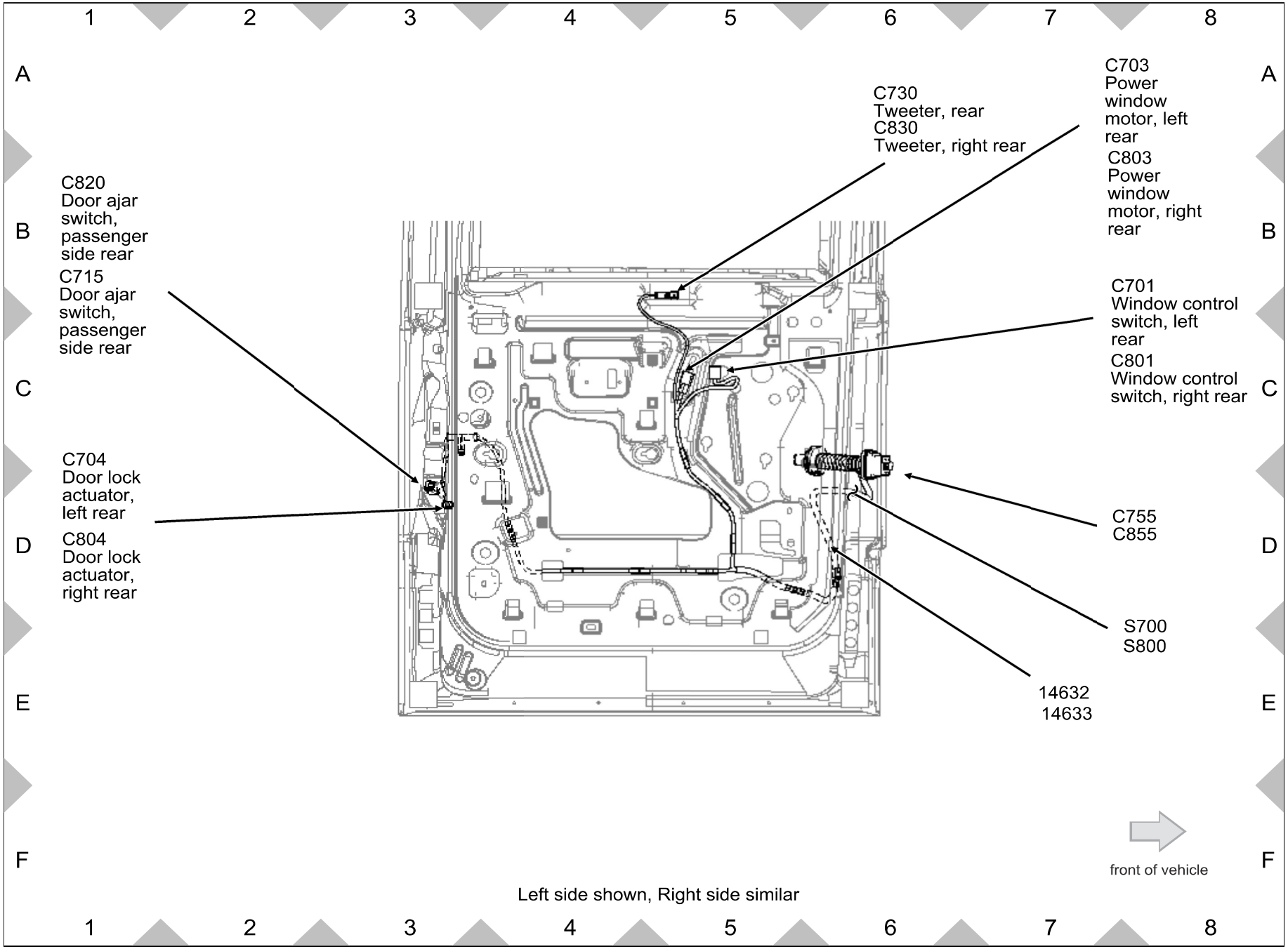

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A
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C
D
E
F
C313
S338
S337
C3065
Safety
belt
buckle
switch,
driver
C341b
Driver Seat
Module (DSM)
C341a
Driver Seat
Module (DSM)
C357
Power seat motor
assembly, left
C364
Seat
cusion heater,
mat left front
C365
Seat back
rest heater
mat, left front
C372
Driver memory
seat horizontal
sensor
C315
14A669
C359
Heated
seat
relay,
driver
side
front
C373
Driver memory
seat rear
height sensor
C383
Driver memory
seat front height
sensor
C360
Seat control
switch, driver
side
front of vehicle

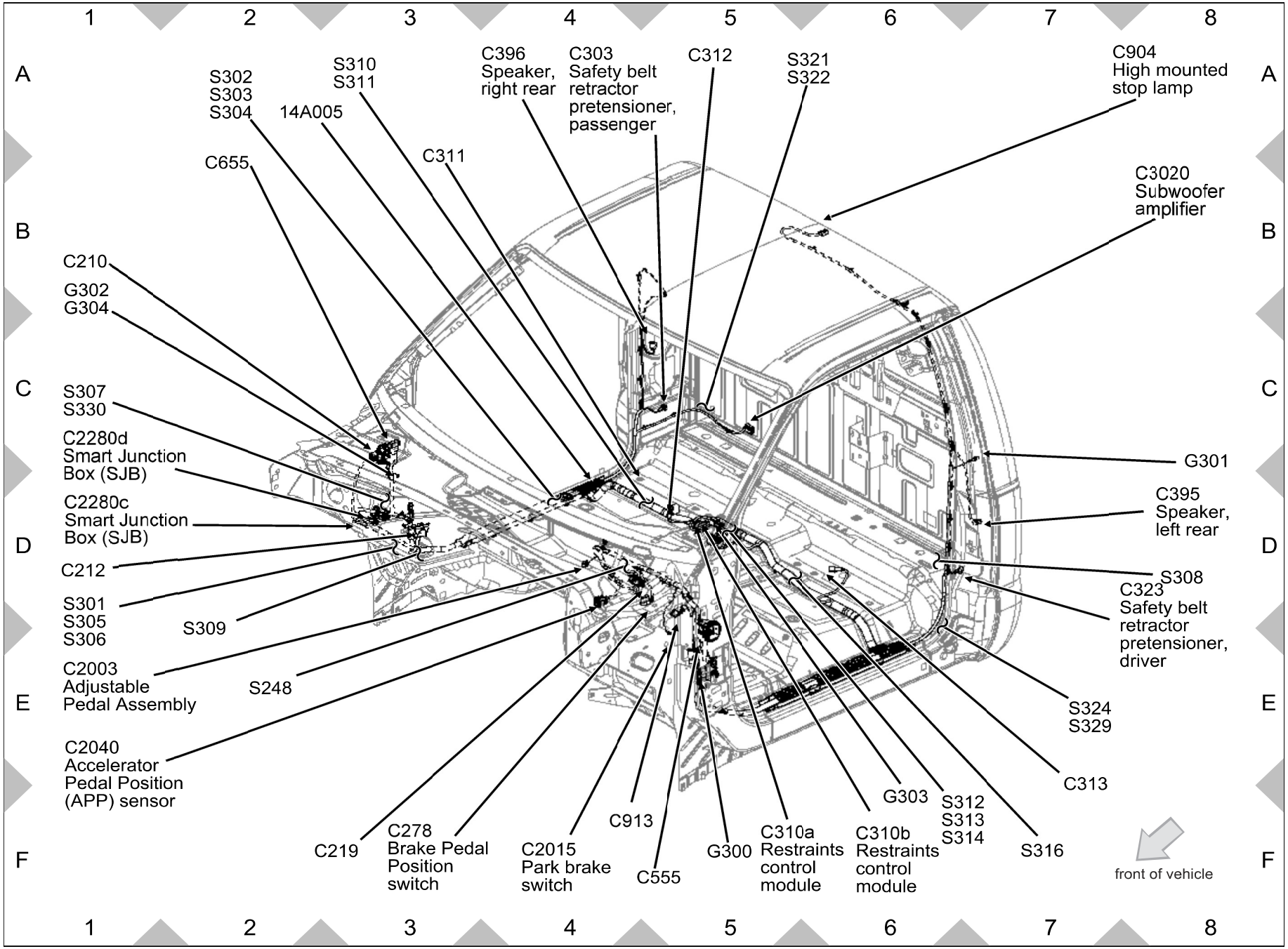

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A
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C
D
E
F
C3015
Power seat
motor assembly,
right
S339
C330
Seat control
switch,
passenger
side
C311
C335
Seat back rest
heater mat, right
front
14B084
C334
Seat cushion
heater mat, left
rear
C329
Heated seat
relay, passenger
side front
front of vehicle

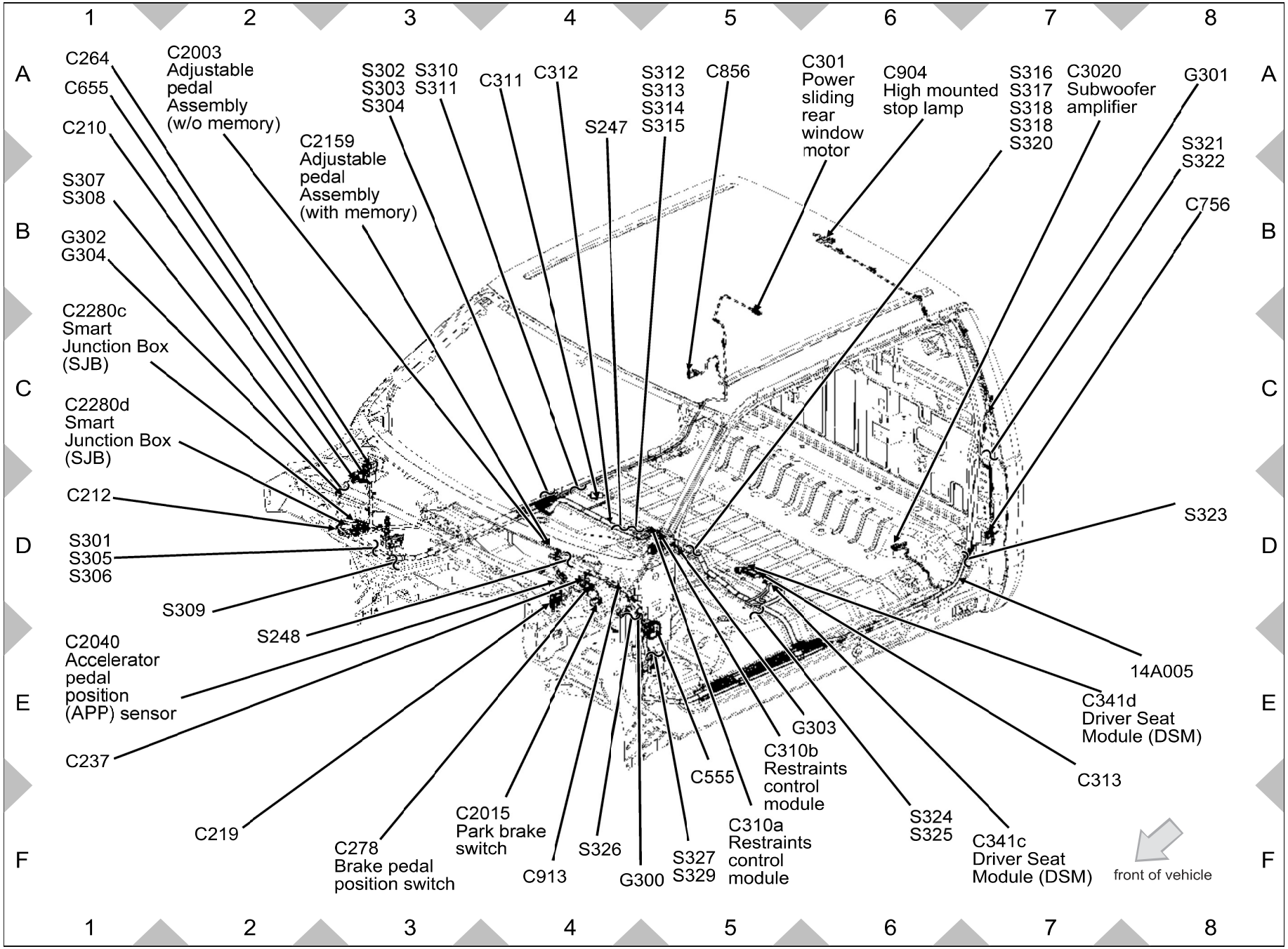

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A
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C
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C505
Door lock switch, driver side
C504b
Master window control switch
C504a
C535
Master window control switch
C577
Telescoping exterior rear view mirror switch
C527
Exterior rear view mirror switch
C503
Memory seat switch
C521
Exterior rear view mirror, driver side
C513
Tweeter, left
S513
S502
S503
C500
Key pad switch assembly
C555
S501
C526
Door ajar switch, driver side front
C510
C525
Door lock actuator, left front
C523
Speaker, left front
S500
19A123
14631
C523
Speaker, left front
(without tweeter)
C524
Power window motor, driver side front
front of vehicle

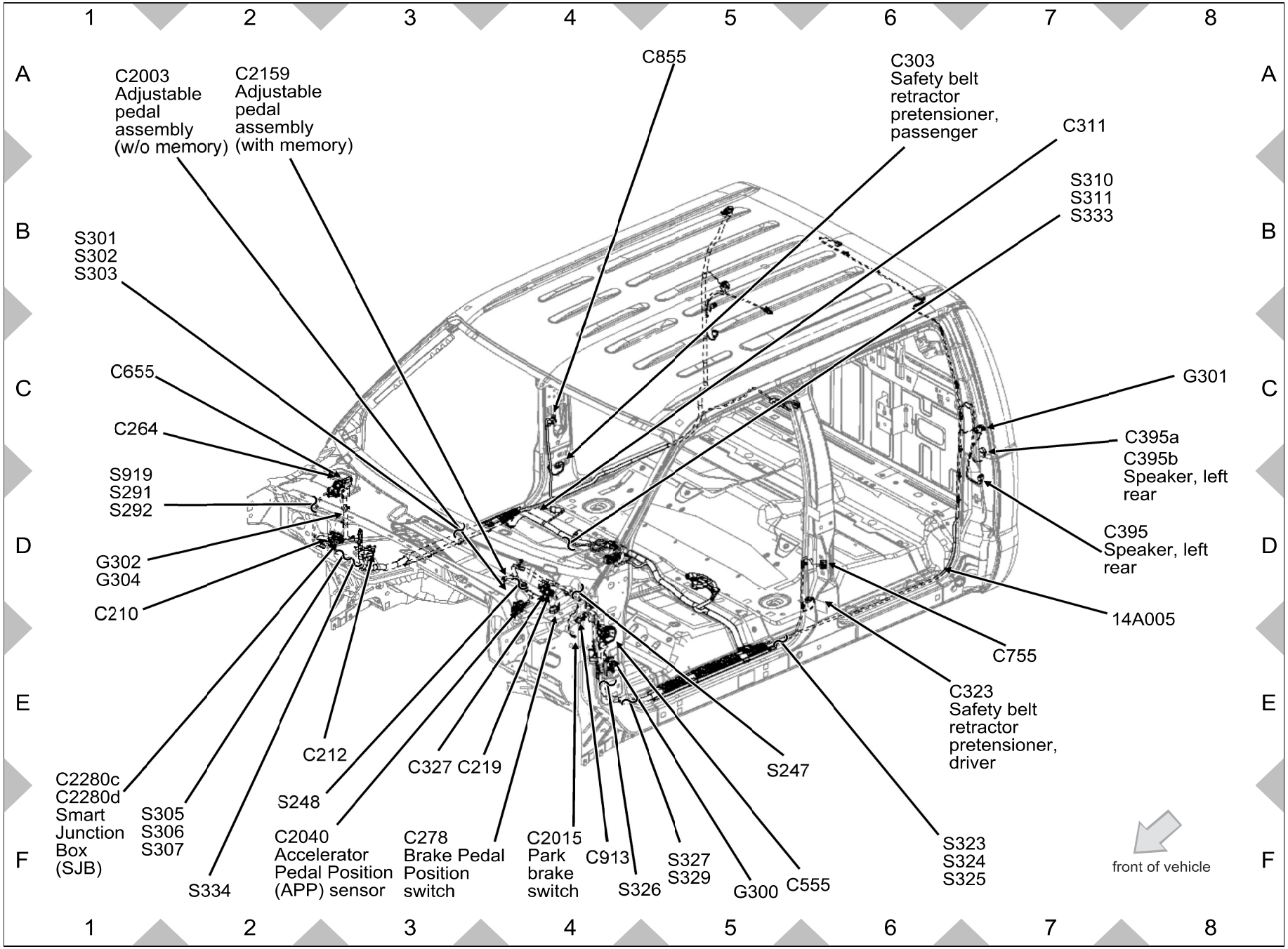

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A
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C
D
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F
C613
Tweeter right, 19A123
front
C612
Speaker
right
front
S602
S603
C601
Exterior
rear view
mirrior
passenger
side
C604
Window
control switch,
passenger
side
C605
Door
lock
switch,
passenger
side
S609
C655
C602
Door ajar
switch,
passenger
side front
C610
C603
Door lock
actuator,
passenger
side
C612
Speaker right,
front (without tweeter)
C608
Power
window motor,
passenger
side front
14630
S639
front of vehicle

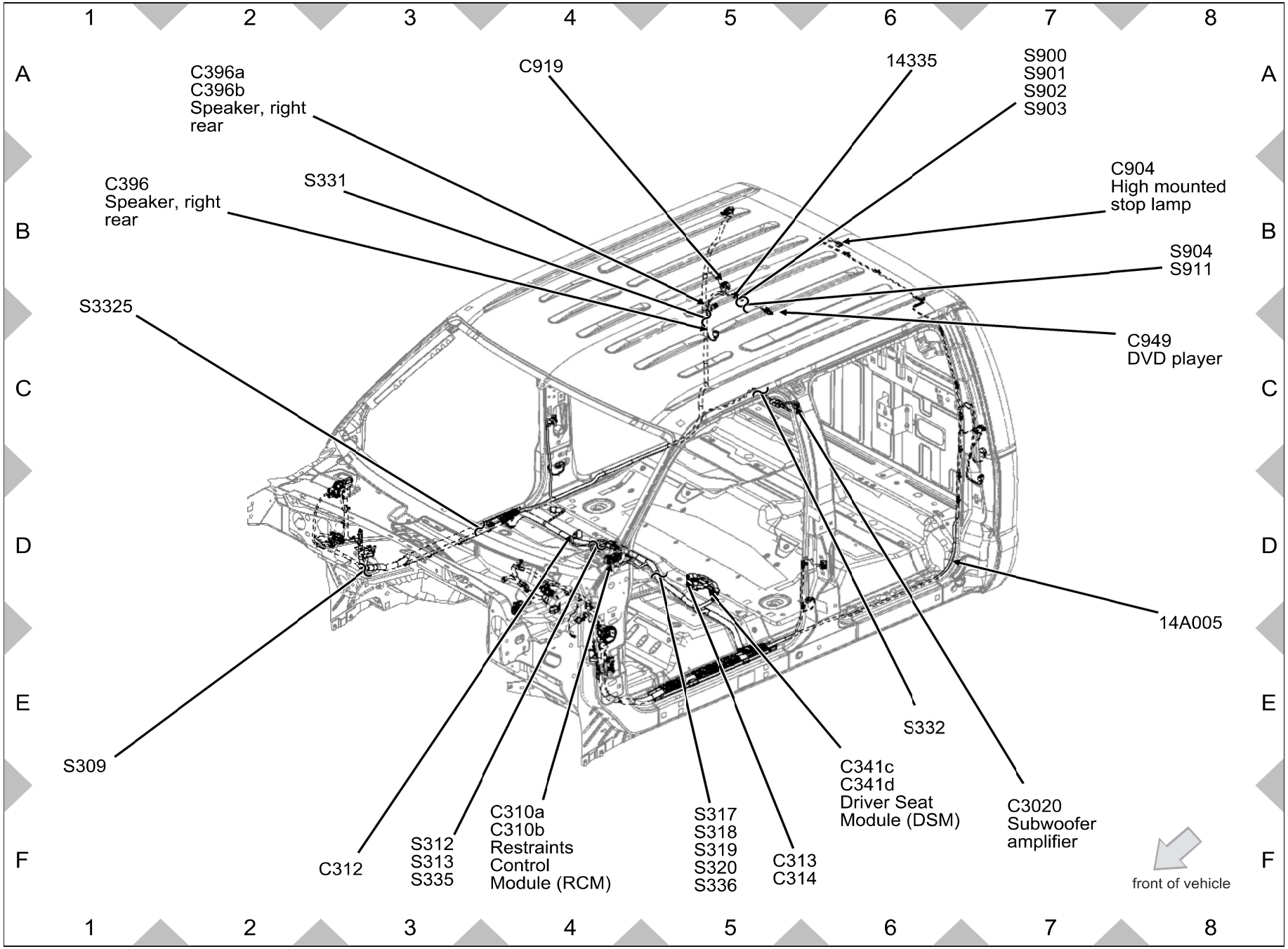

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A
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C
D
E
F
C730
Tweeter,
left rear
C702
Speaker,
left rear
C830
Tweeter,
right rear
C802
Speaker,
right rear
C303
Safety belt
retractor pretensioner,
passenger
C323
Safety belt
retractor pretensioner,
driver
C756
C856
14632
14633
C820
Door ajar switch,
passenger side rear
C715
Door ajar switch,
driver door rear
front of vehicle
Left side shown, right side similar

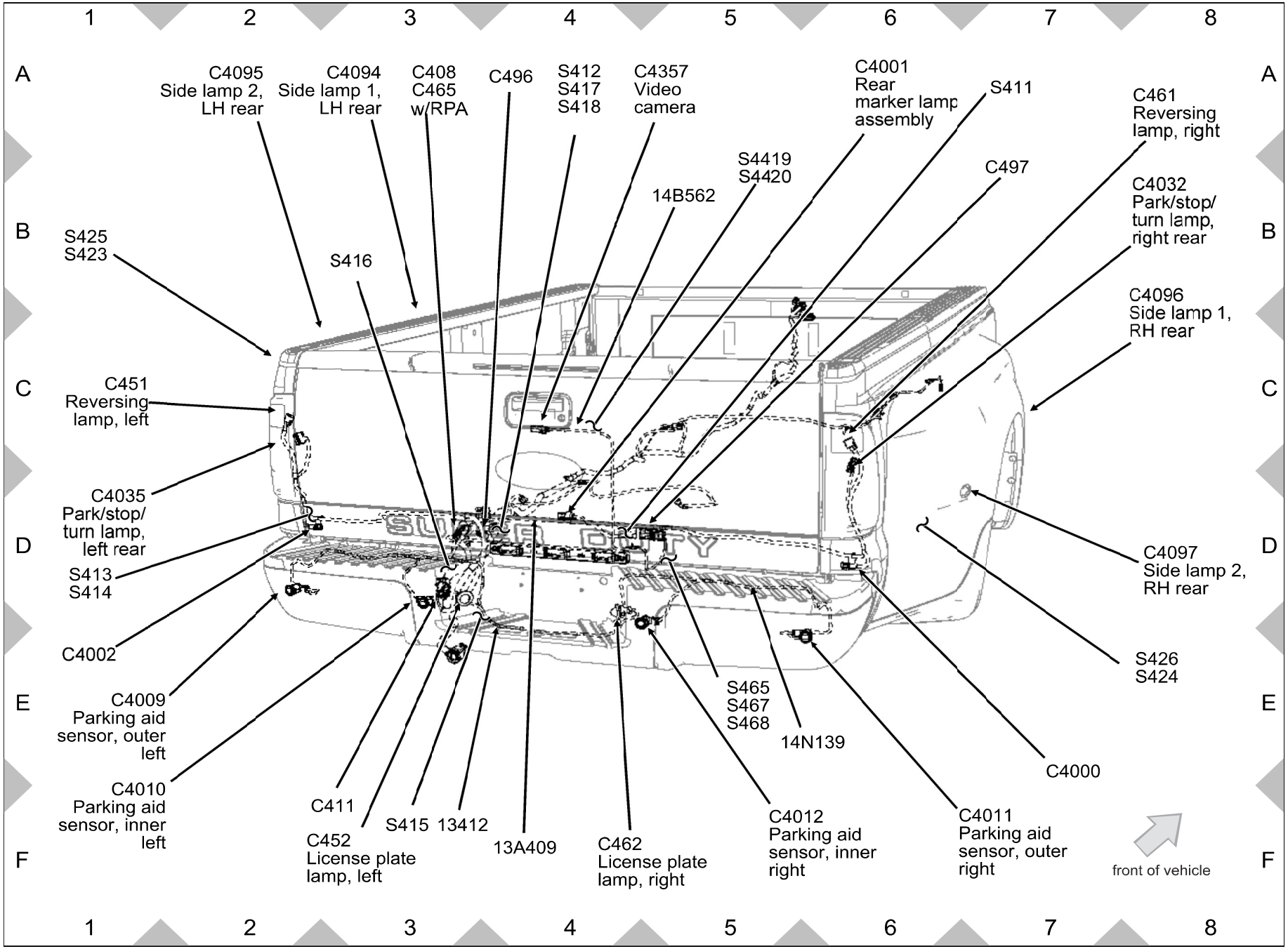

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8
A
B
C
D
E
F
C820
Door ajar switch, passenger side rear
C715
Door ajar switch, passenger side rear
C704
Door lock actuator, left rear
C804
Door lock actuator, right rear
C730
Tweeter, rear
C830
Tweeter, right rear
C703
Power window motor, left rear
C803
Power window motor, right rear
C701
Window control switch, left rear
C801
Window control switch, right rear
C755
C855
S700
S800
14632
14633
front of vehicle
Left side shown, Right side similar

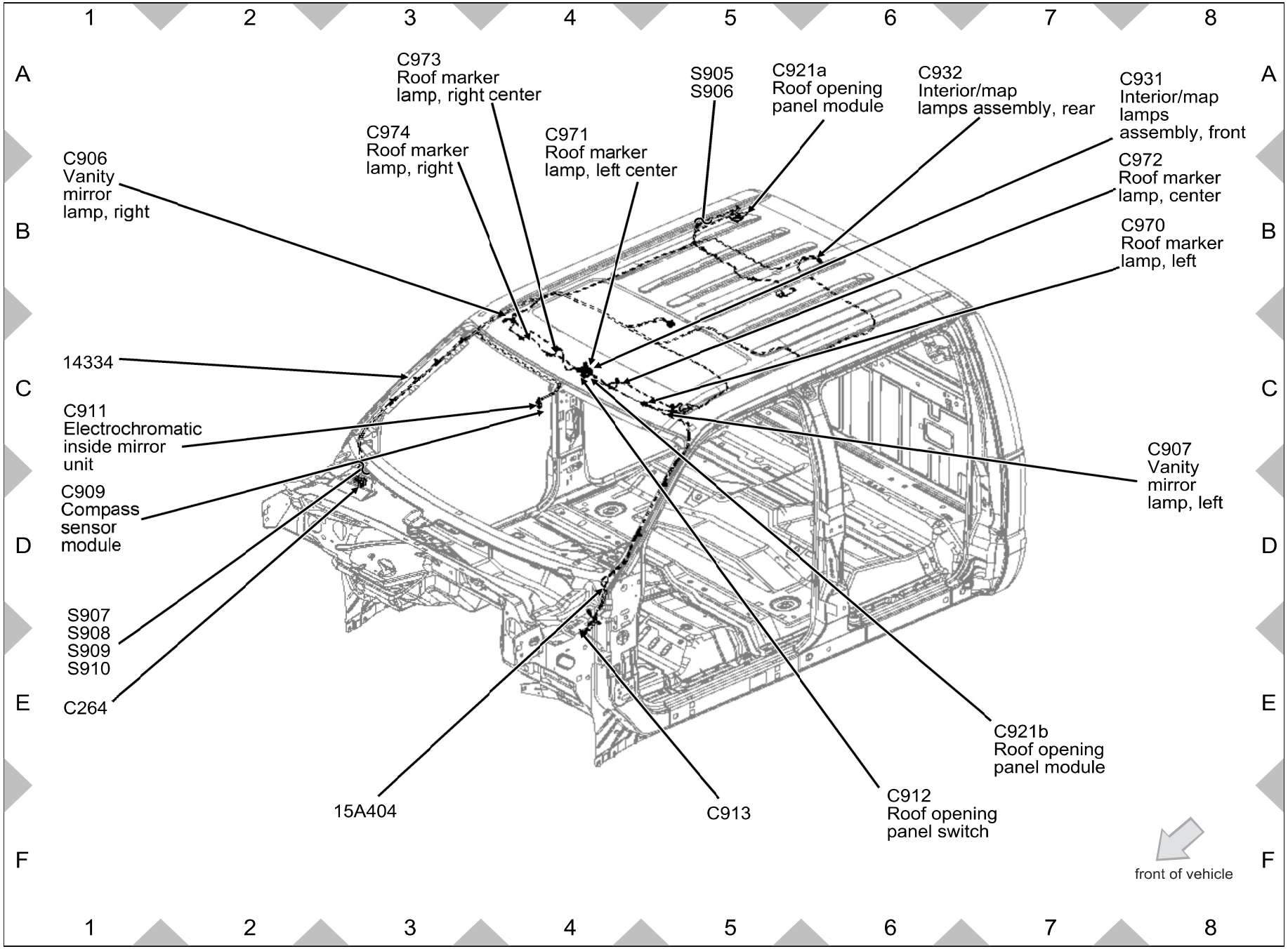

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A
B
C
D
E
F
S302
S303
S304
S310
S311
14A005
C396
Speaker,
right rear
C303
Safety belt
retractor
pretensioner,
passenger
C312
S321
S322
C904
High mounted
stop lamp
C655
C311
C3020
Subwoofer
amplifier
C210
G302
G304
S307
S330
C2280d
Smart Junction
Box (SJB)
C2280c
Smart Junction
Box (SJB)
C212
S301
S305
S306
S309
C2003
Adjustable
Pedal Assembly
S248
C2040
Accelerator
Pedal Position
(APP) sensor
G301
C395
Speaker,
left rear
S308
C323
Safety belt
retractor
pretensioner,
driver
S324
S329
C313
G303
S312
S313
S314
S316
C219
C278
Brake Pedal
Position
switch
C913
C2015
Park brake
switch
C555
G300
C310a
Restraints
control
module
C310b
Restraints
control
module
front of vehicle

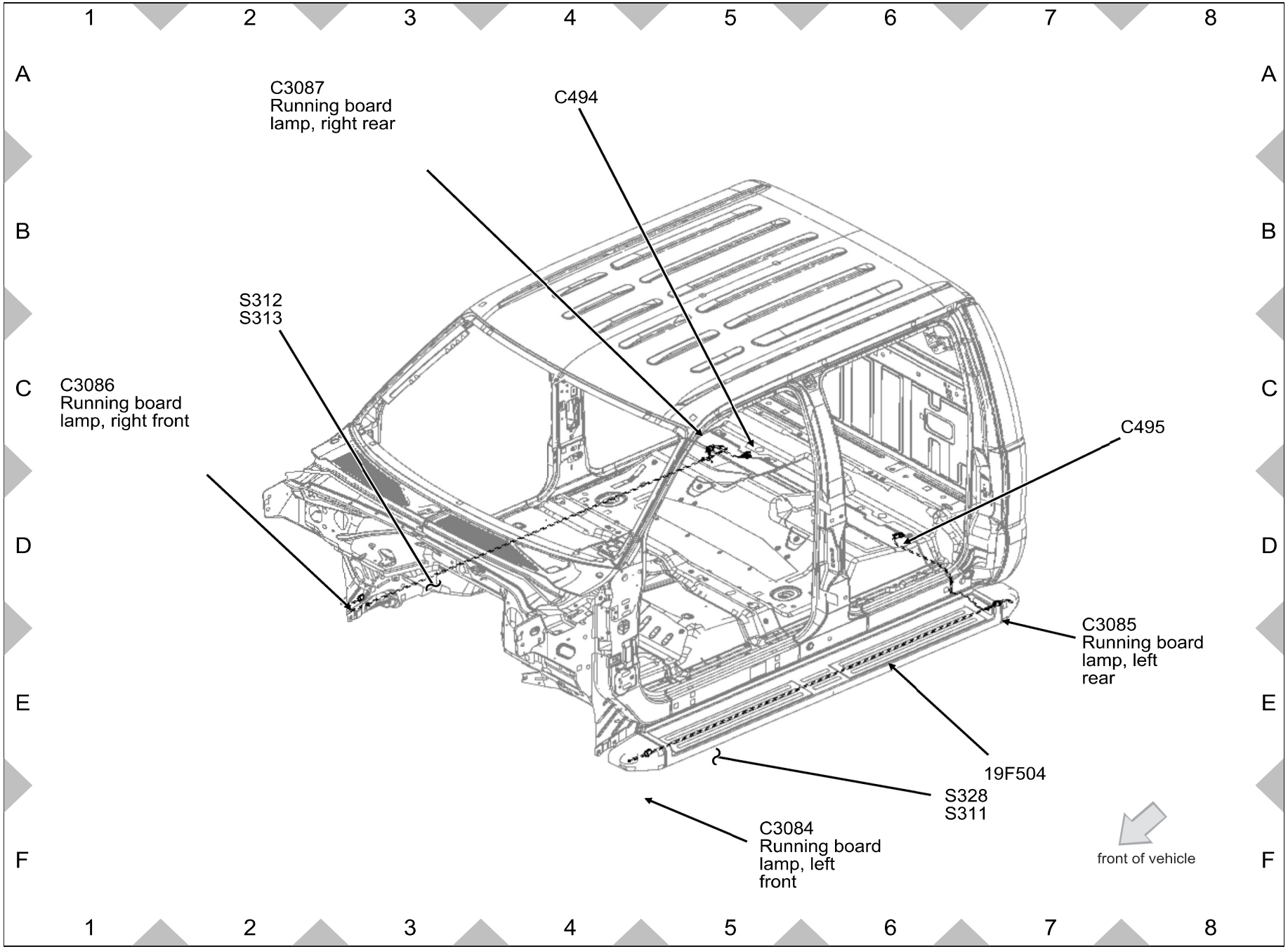

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A
B
C
D
E
F
C264
C655
C210
S307
S308
G302
G304
C2280c
Smart
Junction Box
(SJB)
C2280d
Smart
Junction Box
(SJB)
C212
S301
S305
S306
S309
S248
C2040
Accelerator
pedal
position
(APP) sensor
C237
C219
C278
Brake pedal
position switch
C2015
Park brake
switch
C913
S326
G300
S327
S329
C310a
Restraints
control
module
C555
G303
C310b
Restraints
control
module
S324
S325
C341c
Driver Seat
Module (DSM)
C313
C341d
Driver Seat
Module (DSM)
14A005
S323
C756
S321
S322
G301
C3020
Subwoofer
amplifier
S316
S317
S318
S318
S320
C904
High mounted
stop lamp
C301
Power
sliding
rear
window
motor
C856
S312
S313
S314
S315
S247
C312
C311
S302
S303
S304
S310
S311
C2003
Adjustable
pedal
Assembly
(w/o memory)
C2159
Adjustable
pedal
Assembly
(with memory)
front of vehicle

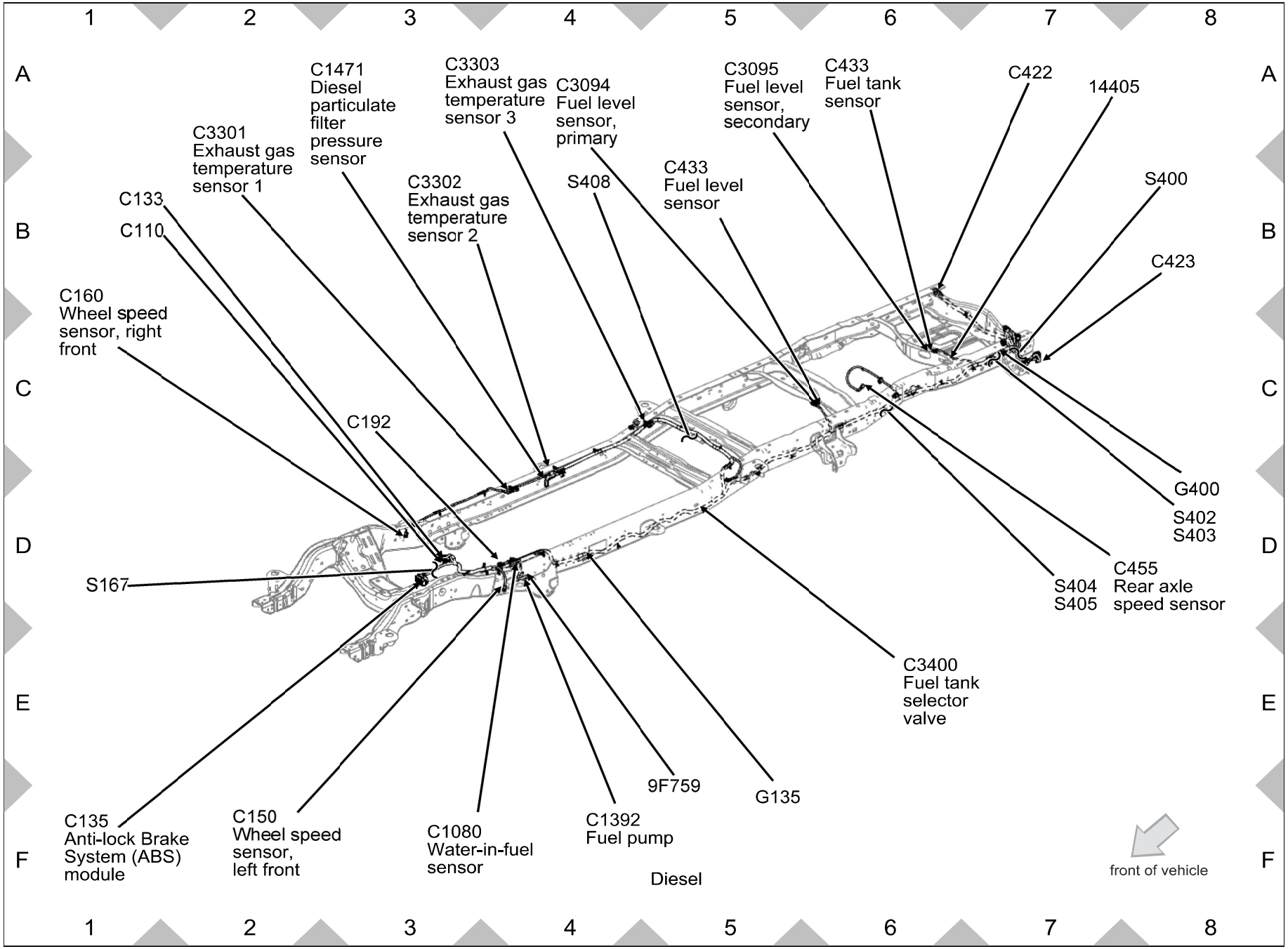

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A
B
C
D
E
F
C2003
Adjustable
pedal
assembly
(w/o memory)
C2159
Adjustable
pedal
assembly
(with memory)
C855
C303
Safety belt
retractor
pretensioner,
passenger
C311
S310
S311
S333
S301
S302
S303
C655
C264
S919
S291
S292
G302
G304
C210
G301
C395a
C395b
Speaker, left
rear
C395
Speaker, left
rear
14A005
C755
C323
Safety belt
retractor
pretensioner,
driver
S247
S323
S324
S325
C555
G300
S327
S329
S326
C913
C2015
Park
brake
switch
C278
Brake Pedal
Position
switch
C327 C219
C2040
Accelerator
Pedal Position
(APP) sensor
S248
C212
S334
S305
S306
S307
C2280c
C2280d
Smart
Junction
Box
(SJB)
front of vehicle

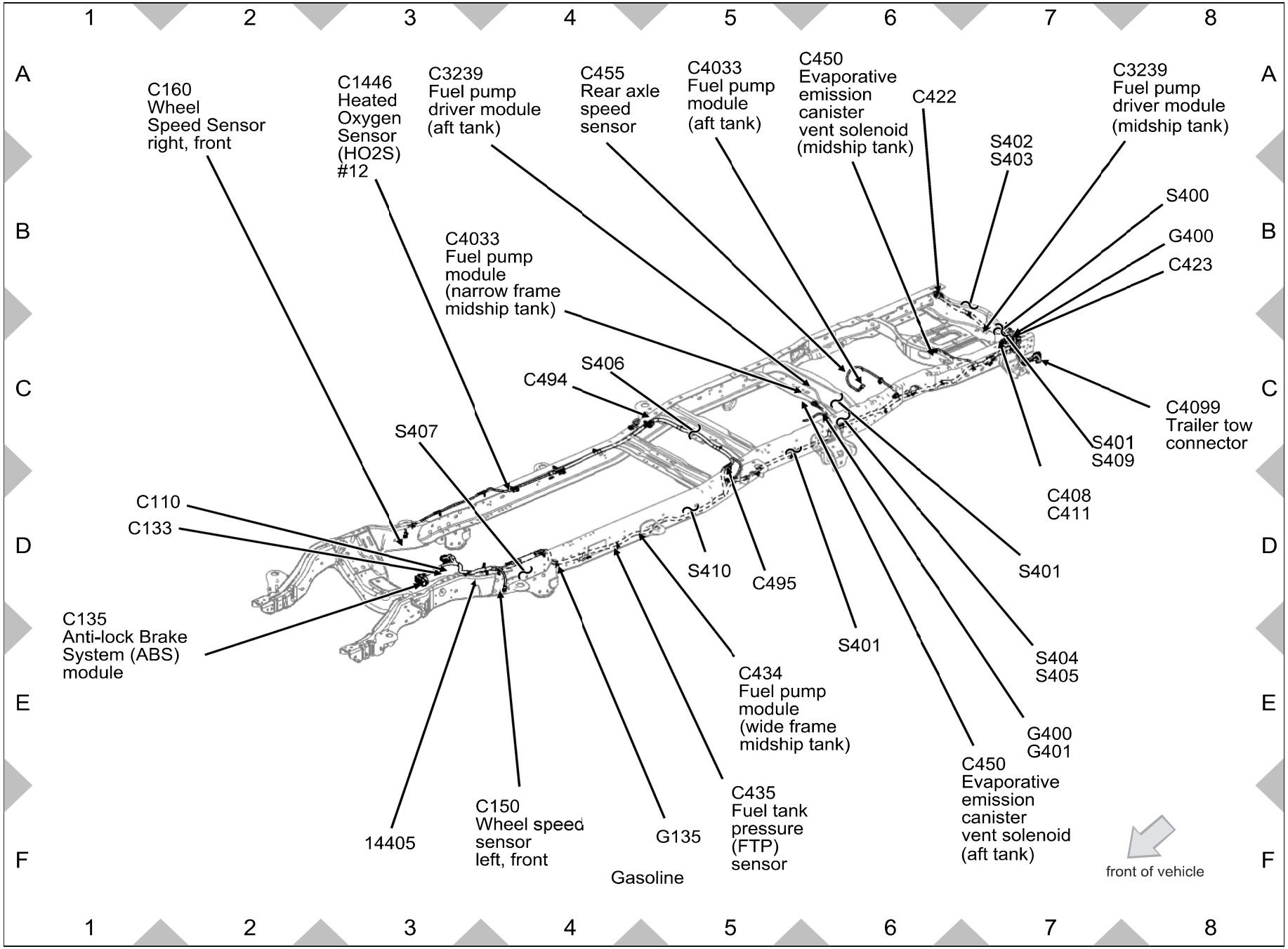

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A
B
C
D
E
F
C396a
C396b
Speaker, right rear
C919
14335
S900
S901
S902
S903
C396
Speaker, right rear
S331
C904
High mounted stop lamp
S904
S911
S3325
C949
DVD player
14A005
S309
C312
S312
S313
S335
C310a
C310b
Restraints Control Module (RCM)
S317
S318
S319
S320
S336
C313
C314
S332
C341c
C341d
Driver Seat Module (DSM)
C3020
Subwoofer amplifier
front of vehicle


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A
B
C
D
E
F
C4095
Side lamp 2,
LH rear
C4094
Side lamp 1,
LH rear
C408
C465
w/RPA
C496
S412
S417
S418
C4357
Video
camera
C4001
Rear
marker lamp
assembly
S411
C461
Reversing
lamp, right
S4419
S4420
14B562
C497
C4032
Park/stop/
turn lamp,
right rear
S425
S423
S416
C4096
Side lamp 1,
RH rear
C451
Reversing
lamp, left
C4035
Park/stop/
turn lamp,
left rear
S413
S414
C4002
C4009
Parking aid
sensor, outer
left
C4010
Parking aid
sensor, inner
left
C411
C452
License plate
lamp, left
S415
13412
13A409
C462
License plate
lamp, right
C4012
Parking aid
sensor, inner
right
C4011
Parking aid
sensor, outer
right
S465
S467
S468
14N139
C4000
C4097
Side lamp 2,
RH rear
S426
S424
front of vehicle


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A
B
C
D
E
F
C973
Roof marker
lamp, right center
S905
S906
C921a
Roof opening
panel module
C932
Interior/map
lamps assembly, rear
C931
Interior/map
lamps
assembly, front
C974
Roof marker
lamp, right
C971
Roof marker
lamp, left center
C906
Vanity
mirror
lamp, right
C972
Roof marker
lamp, center
C970
Roof marker
lamp, left
14334
C911
Electrochromatic
inside mirror
unit
C907
Vanity
mirror
lamp, left
C909
Compass
sensor
module
S907
S908
S909
S910
C264
C921b
Roof opening
panel module
15A404
C913
C912
Roof opening
panel switch
front of vehicle


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A
B
C
D
E
F
C3087
Running board
lamp, right rear
C494
S312
S313
C3086
Running board
lamp, right front
C495
C3085
Running board
lamp, left
rear
19F504
S328
S311
C3084
Running board
lamp, left
front
front of vehicle


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8
A
B
C
D
E
F
C1471
Diesel
particulate
filter
pressure
sensor
C3303
Exhaust gas
temperature
sensor 3
C3094
Fuel level
sensor,
primary
C3095
Fuel level
sensor,
secondary
C433
Fuel tank
sensor
C422
14405
C3301
Exhaust gas
temperature
sensor 1
C133
C110
C3302
Exhaust gas
temperature
sensor 2
S408
C433
Fuel level
sensor
S400
C423
C160
Wheel speed
sensor, right
front
C192
G400
S402
S403
C455
Rear axle
speed sensor
S404
S405
S167
C3400
Fuel tank
selector
valve
9F759
G135
C135
Anti-lock Brake
System (ABS)
module
C150
Wheel speed
sensor,
left front
C1080
Water-in-fuel
sensor
C1392
Fuel pump
Diesel
front of vehicle


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8
A
B
C
D
E
F
C160
Wheel
Speed Sensor
right, front
C1446
Heated
Oxygen
Sensor
(HO2S)
#12
C3239
Fuel pump
driver module
(aft tank)
C455
Rear axle
speed
sensor
C4033
Fuel pump
module
(aft tank)
C450
Evaporative
emission
canister
vent solenoid
(midship tank)
C422
S402
S403
C3239
Fuel pump
driver module
(midship tank)
S400
G400
C423
C4033
Fuel pump
module
(narrow frame
midship tank)
S406
C494
S407
C4099
Trailer tow
connector
S401
S409
C408
C411
C110
C133
S401
S410
C495
S401
C135
Anti-lock Brake
System (ABS)
module
S404
S405
C434
Fuel pump
module
(wide frame
midship tank)
G400
G401
C450
Evaporative
emission
canister
vent solenoid
(aft tank)
14405
C150
Wheel speed
sensor
left, front
G135
C435
Fuel tank
pressure
(FTP)
sensor
Gasoline
front of vehicle

Vehicle Repair Location Codes

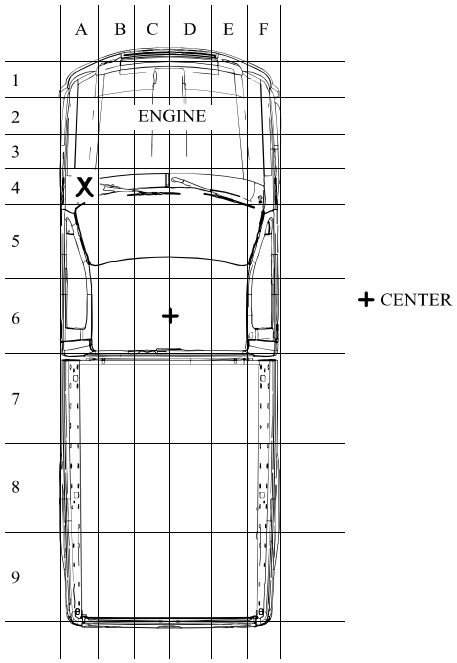
TO PINPOINT THE ACTUAL VEHICLE LOCATION OF A REPAIR, THE VEHICLE REPAIR LOCATION CODE IS REQUIRED.

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.)

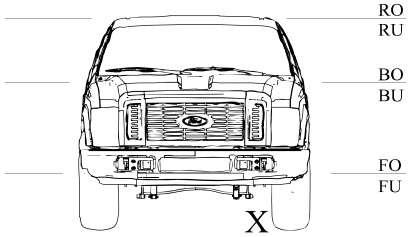
FRONT/REAR DIRECTION

FRONT



+ CENTER

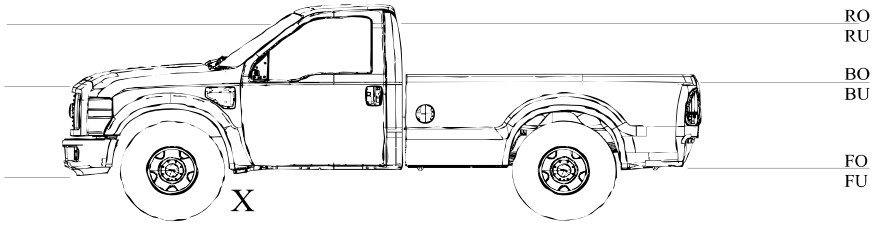
Over/under direction



R = roof line
- RO = roof over
- RU = roof under

B = belt line
- BO = belt over
- BU = belt under

F = floor pan
- FO = floor over
- FU = floor under



SUPER DUTY SERIES
F-350, F450, F550

manuales digitales jaragua2012







Las herramientas que nunca deben faltar a la hora de efectuar el mantenimiento o reparación de su vehículo...







Los manuales de Taller, Reparación o Servicio y los Diagramas de Cableado del Sistema Eléctrico...