Vehicle: Electrical Diagrams
Diagrams By Number

Please Note

PLEASE NOTE: When selecting diagrams by their ID numbers, some diagrams and/or sets may appear to be missing because of gaps in the number sequences. These "gaps" are actually for diagrams that do not apply to the vehicle model selected.

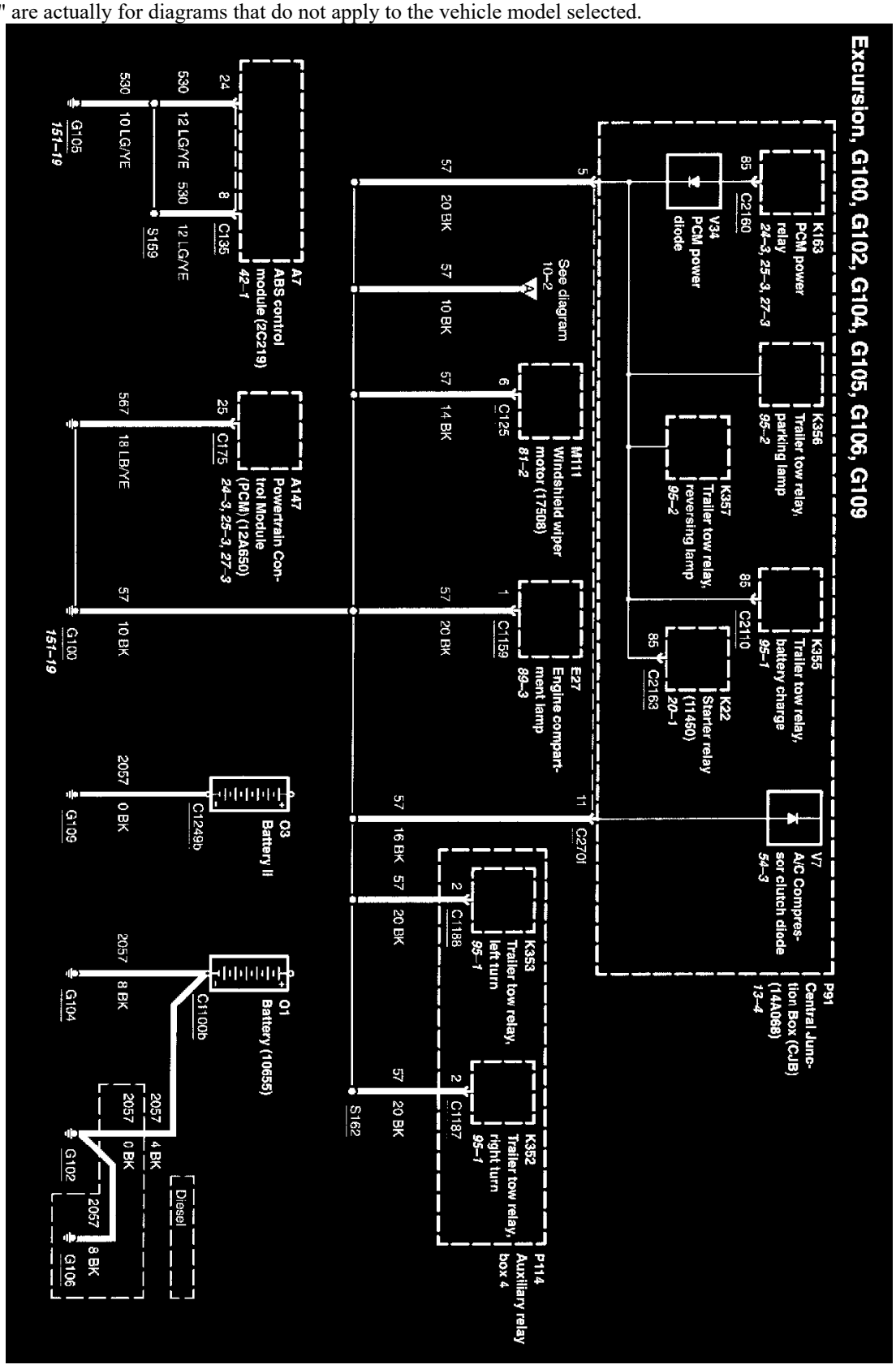


Diagram 10-1

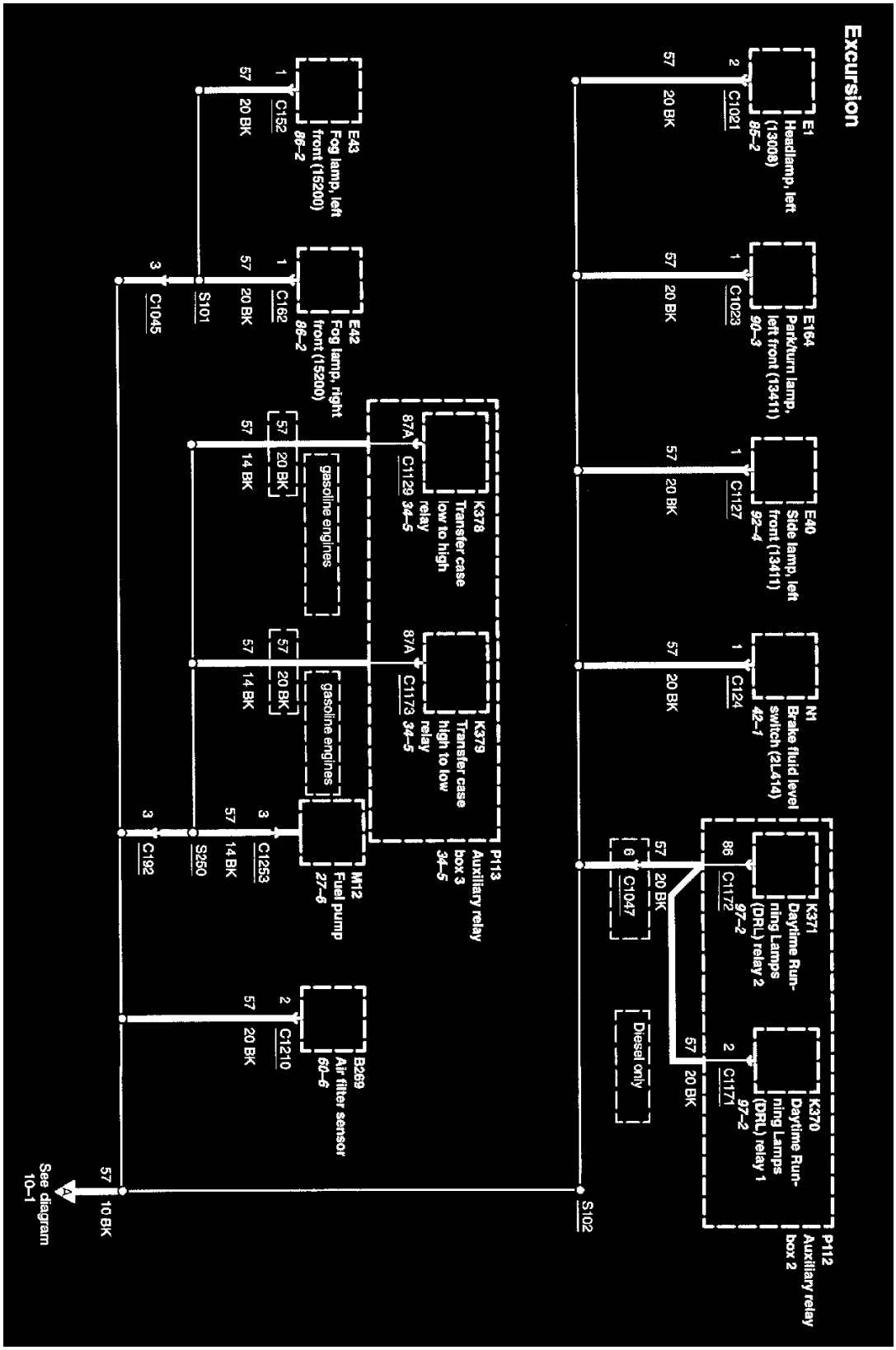

Excursion
E1
Headlamp, left (13008)
85–2
E164
Park/turn lamp, left front (13411)
90–3
E40
Side lamp, left front (13411)
92–4
N1
Brake fluid level switch (2L414)
42–1
K371
Daytime Running Lamps (DRL) relay 2
97–2
K370
Daytime Running Lamps (DRL) relay 1
97–2
P112
Auxiliary relay box 2
C1021
C1023
C1127
C124
C1172
C1171
C1047
S102
Diesel only
E43
Fog lamp, left front (15200)
86–2
E42
Fog lamp, right front (15200)
86–2
C152
C162
S101
C1045
K378
Transfer case low to high relay
34–5
K379
Transfer case high to low relay
34–5
C1129
C1173
gasoline engines
P113
Auxiliary relay box 3
34–5
M12
Fuel pump
27–6
C1253
C192
S250
B289
Air filter sensor
60–6
C1210
20 BK
14 BK
10 BK
See diagram 10–1

Diagram 10-2

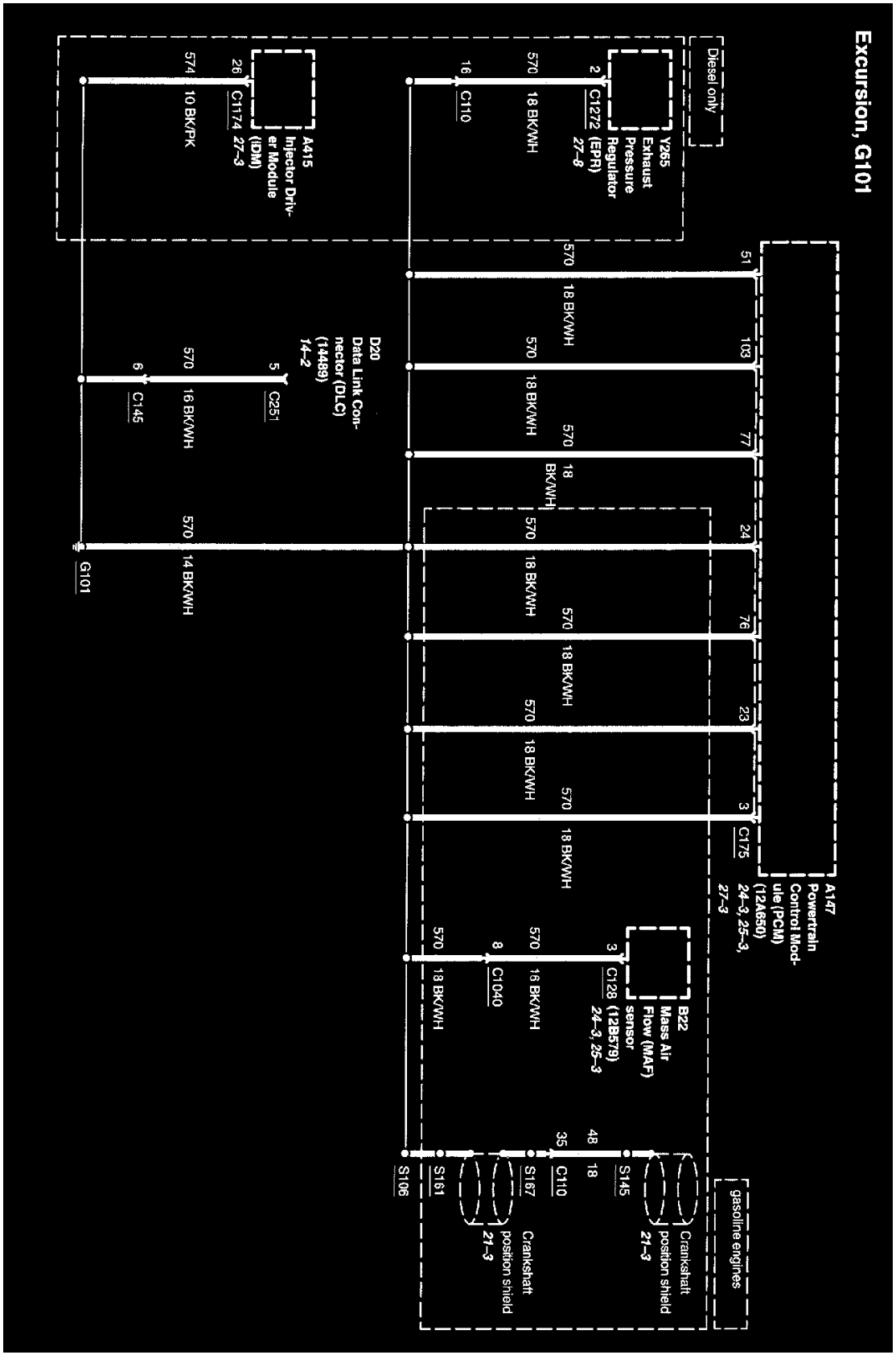

Excursion, G101
Diesel only
Y265 Exhaust Pressure Regulator (EPR) 27–9
C1272
A415 Injector Driver Module (IDM) 27–3
C1174
C110
A147 Powertrain Control Module (PCM) (12A650) 24–3, 25–3, 27–3
C175
B22 Mass Air Flow (MAF) sensor (12B579) 24–3, 25–3
C128
C1040
S145
S167
S161
S106
C110
gasoline engines
Crankshaft position shield 21–3
Crankshaft position shield 21–3
D20 Data Link Connector (DLC) (14489) 14–2
C251
C145
G101
570 18 BK/WH
16 BK/WH
10 BK/PK
14 BK/WH

Diagram 10-3

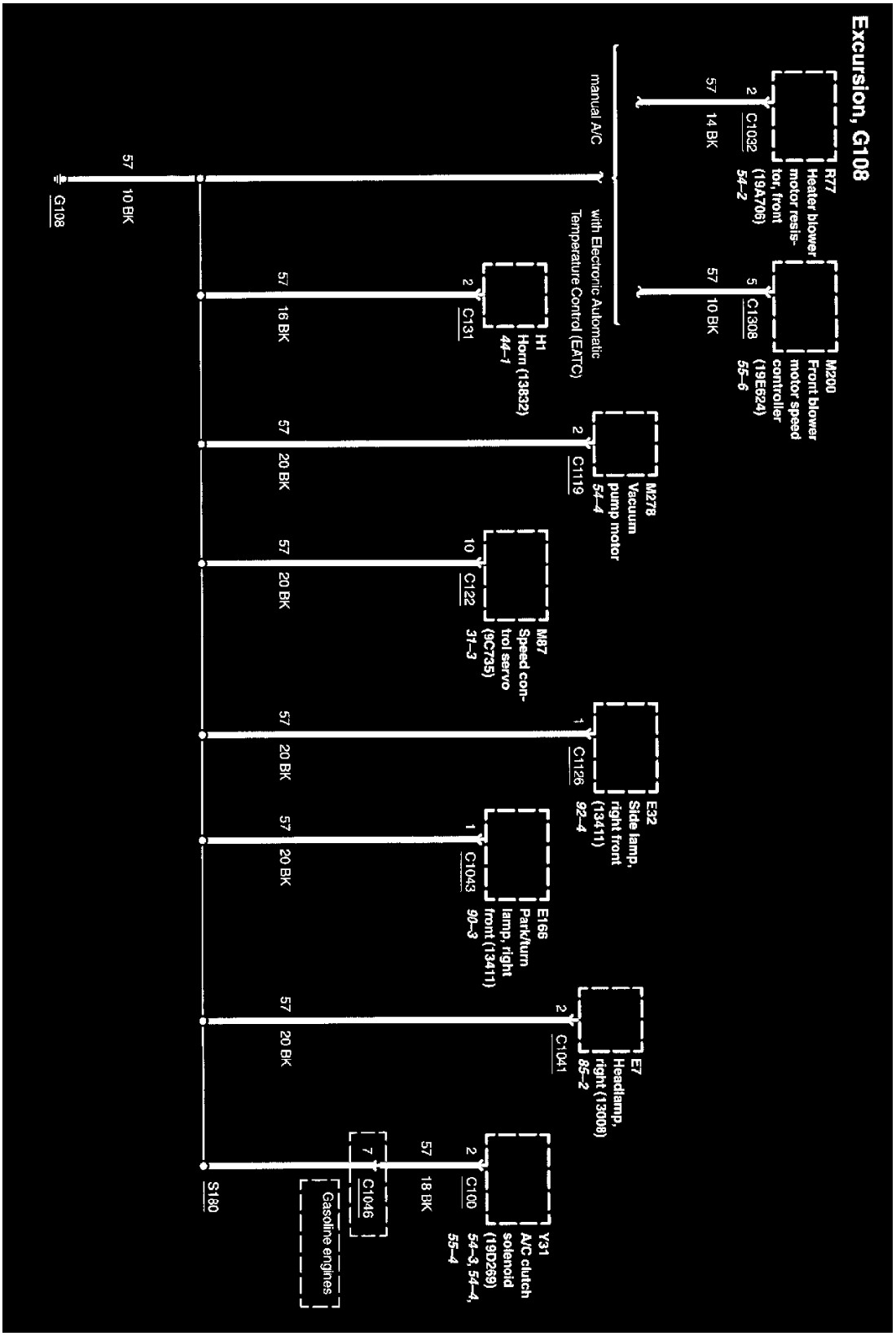

Excursion, G108
R77
Heater blower motor resistor, front (19A706)
54–2
M200
Front blower motor speed controller (19E624)
55–6
C1032
C1308
2
5
57
14 BK
57
10 BK
manual A/C
with Electronic Automatic Temperature Control (EATC)
M278
Vacuum pump motor
54–4
C1119
2
H1
Horn (13832)
44–1
C131
2
57
16 BK
57
20 BK
M87
Speed control servo (9C735)
31–3
C122
10
57
20 BK
E32
Side lamp, right front (13411)
92–4
C1126
1
57
20 BK
E166
Park/turn lamp, right front (13411)
90–3
C1043
1
57
20 BK
E7
Headlamp, right (13008)
85–2
C1041
2
57
20 BK
Y31
A/C clutch solenoid (19D259)
54–3, 54–4, 55–4
C100
2
57
18 BK
C1046
7
Gasoline engines
S180
57
10 BK
G108

Diagram 10-4

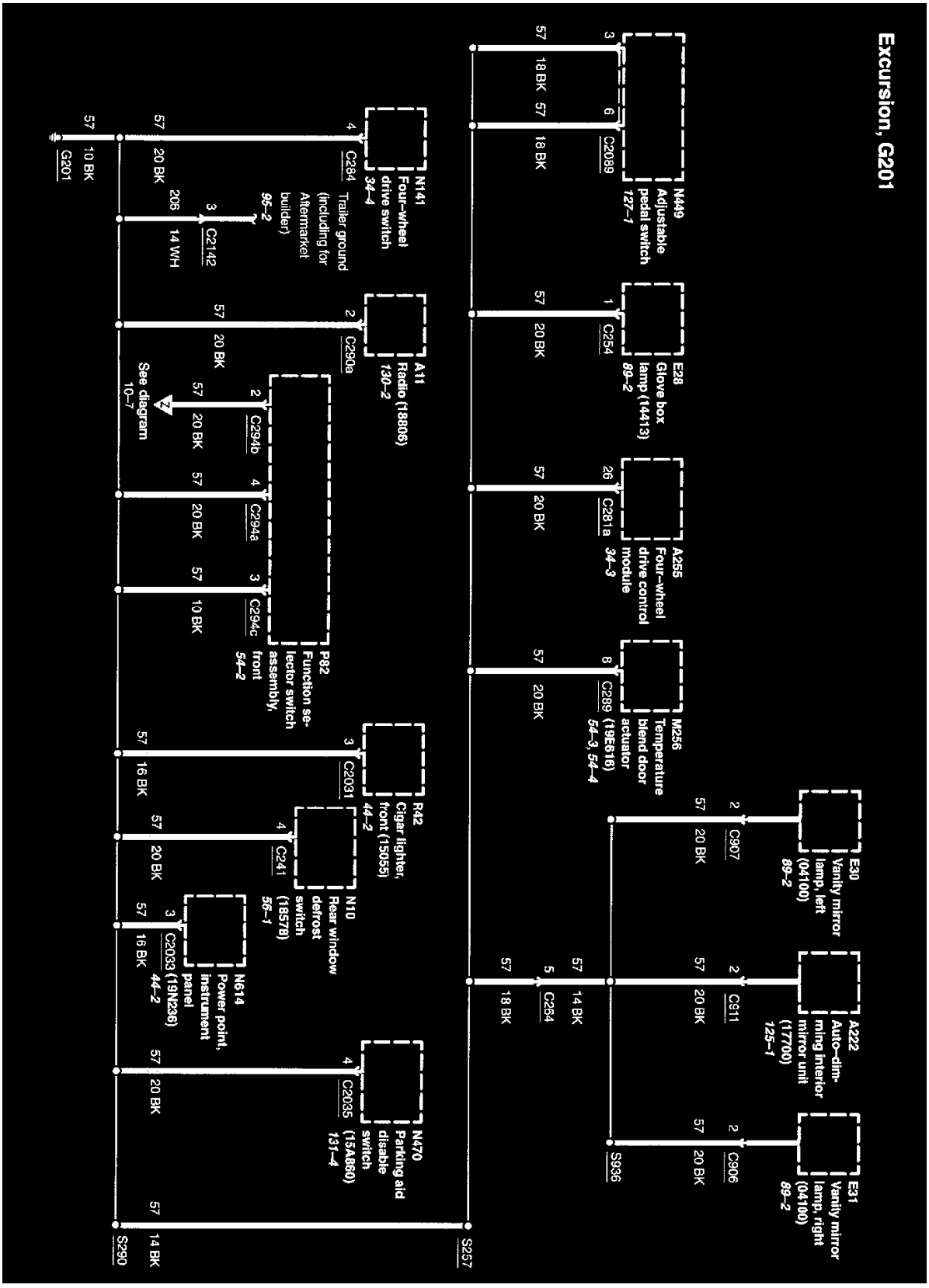

Excursion, G201
E30
Vanity mirror lamp, left (04100)
89–2
A222
Auto–dimming interior mirror unit (17700)
125–1
E31
Vanity mirror lamp, right (04100)
89–2
C907
C911
C906
S936
M256
Temperature blend door actuator (19E616)
54–3, 54–4
A255
Four–wheel drive control module
34–3
E28
Glove box lamp (14413)
89–2
N449
Adjustable pedal switch
127–1
C2039
C254
C281a
C289 (19E616)
C264
S257
S290
N470
Parking aid disable switch (15A860)
131–4
C2035
R42
Cigar lighter, front (15055)
44–2
C2031
C241
N10
Rear window defrost switch (18578)
56–1
N614
Power point, instrument panel
C2033 (19N236)
44–2
P82
Function selector switch assembly, front
54–2
C294a
C294b
C294c
A11
Radio (18806)
130–2
C290a
N141
Four–wheel drive switch
34–4
C284
Trailer ground (including for Aftermarket builder)
95–2
C2142
See diagram 10–7
G201
57
18 BK
20 BK
16 BK
14 BK
14 WH
10 BK
206

Diagram 10-5

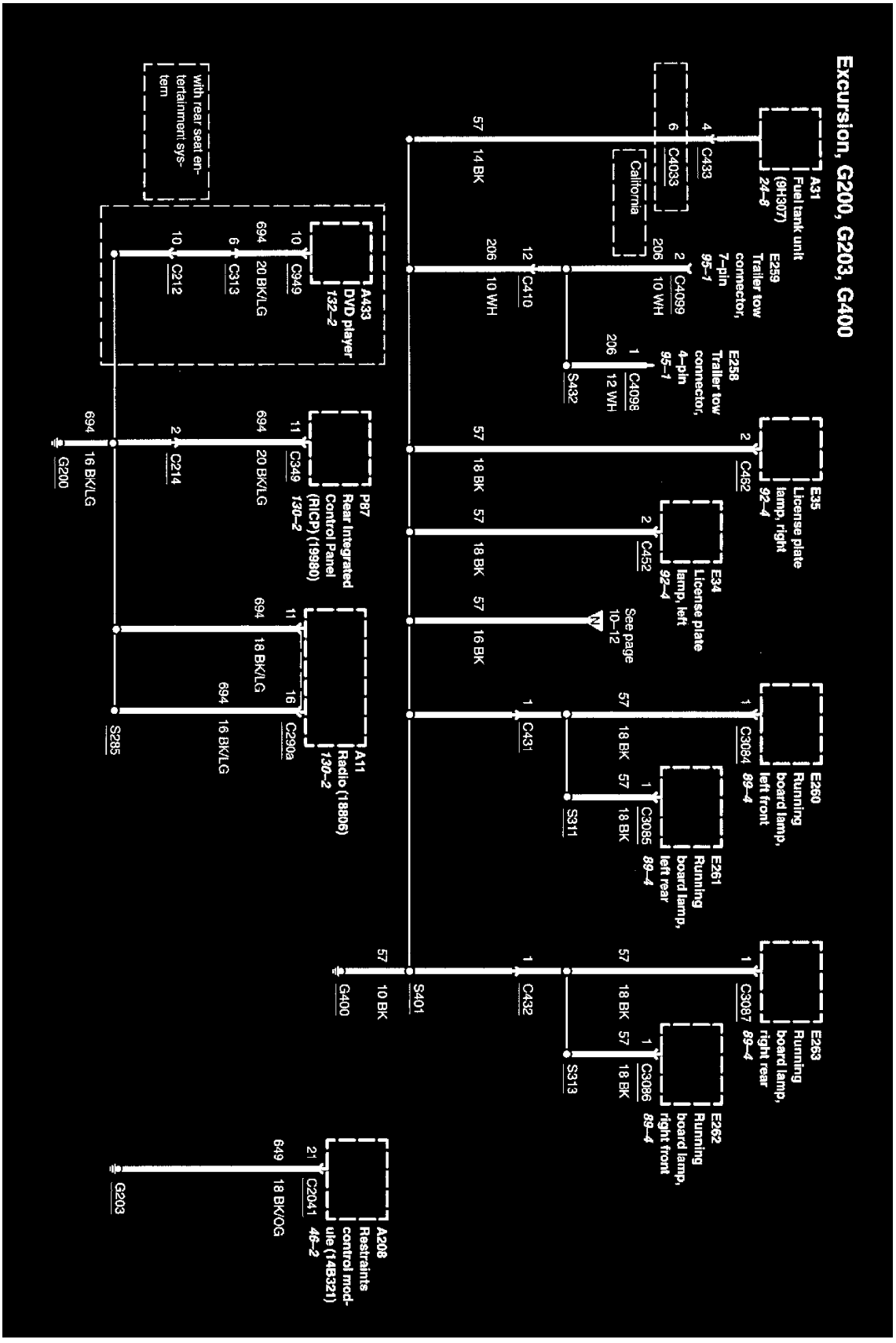

Excursion, G200, G203, G400
A31
Fuel tank unit
(9H307)
24–9
C433
4
C4033
6
California
E259
Trailer tow
connector,
7-pin
95–1
C4099
2
206
10 WH
E258
Trailer tow
connector,
4-pin
95–1
C4098
1
206
12 WH
S432
C410
12
206
10 WH
57
14 BK
E35
License plate
lamp, right
92–4
C452
2
E34
License plate
lamp, left
92–4
C452
2
See page
10–12
57
18 BK
57
18 BK
57
16 BK
E260
Running
board lamp,
left front
C3084
1
89–4
E261
Running
board lamp,
left rear
C3085
1
89–4
S311
57
18 BK
C431
1
E263
Running
board lamp,
right rear
C3087
1
89–4
E262
Running
board lamp,
right front
C3086
1
89–4
S313
57
18 BK
C432
1
S401
57
10 BK
G400
with rear seat en-
tertainment sys-
tem
A433
DVD player
132–2
C949
10
694
20 BK/LG
C313
6
C212
10
P87
Rear Integrated
Control Panel
(RICP) (19980)
C349
11
694
20 BK/LG
C214
2
694
16 BK/LG
G200
A11
Radio (18806)
130–2
C290a
16
694
18 BK/LG
694
16 BK/LG
S285
A208
Restraints
control mod-
ule (14B321)
46–2
C2041
21
649
18 BK/OG
G203

Diagram 10-6

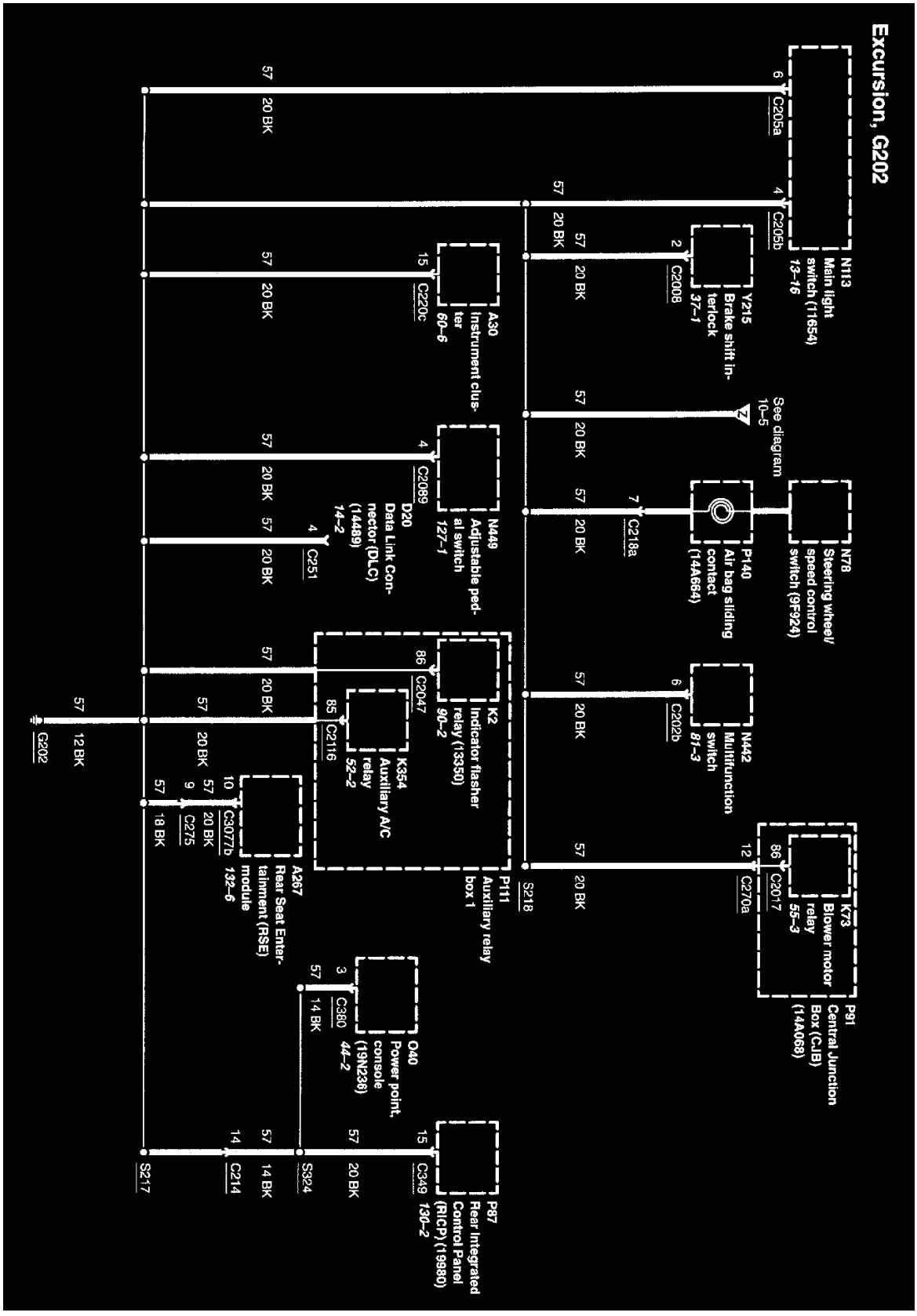

Excursion, G202
N113
Main light switch (11654)
13–16
C205a
6
C205b
4
Y215
Brake shift interlock
37–1
C2008
2
See diagram 10–5
N78
Steering wheel/ speed control switch (9F924)
P140
Air bag sliding contact (14A664)
C218a
7
N442
Multifunction switch
81–3
C202b
6
P91
Central Junction Box (CJB) (14A068)
K73
Blower motor relay
55–3
C2017
86
C270a
12
S218
P111
Auxiliary relay box 1
A30
Instrument cluster
60–6
C220c
15
N449
Adjustable pedal switch
127–1
C2089
4
D20
Data Link Connector (DLC) (14489)
14–2
C251
4
K2
Indicator flasher relay (13350)
90–2
C2047
86
K354
Auxiliary A/C relay
52–2
C2116
85
A267
Rear Seat Entertainment (RSE) module
C3077b
10
132–6
C275
9
O40
Power point, console (19N236)
C380
3
44–2
S324
P87
Rear Integrated Control Panel (RICP) (19980)
C349
15
130–2
C214
14
S217
G202
57
20 BK
12 BK
18 BK
14 BK

Diagram 10-7

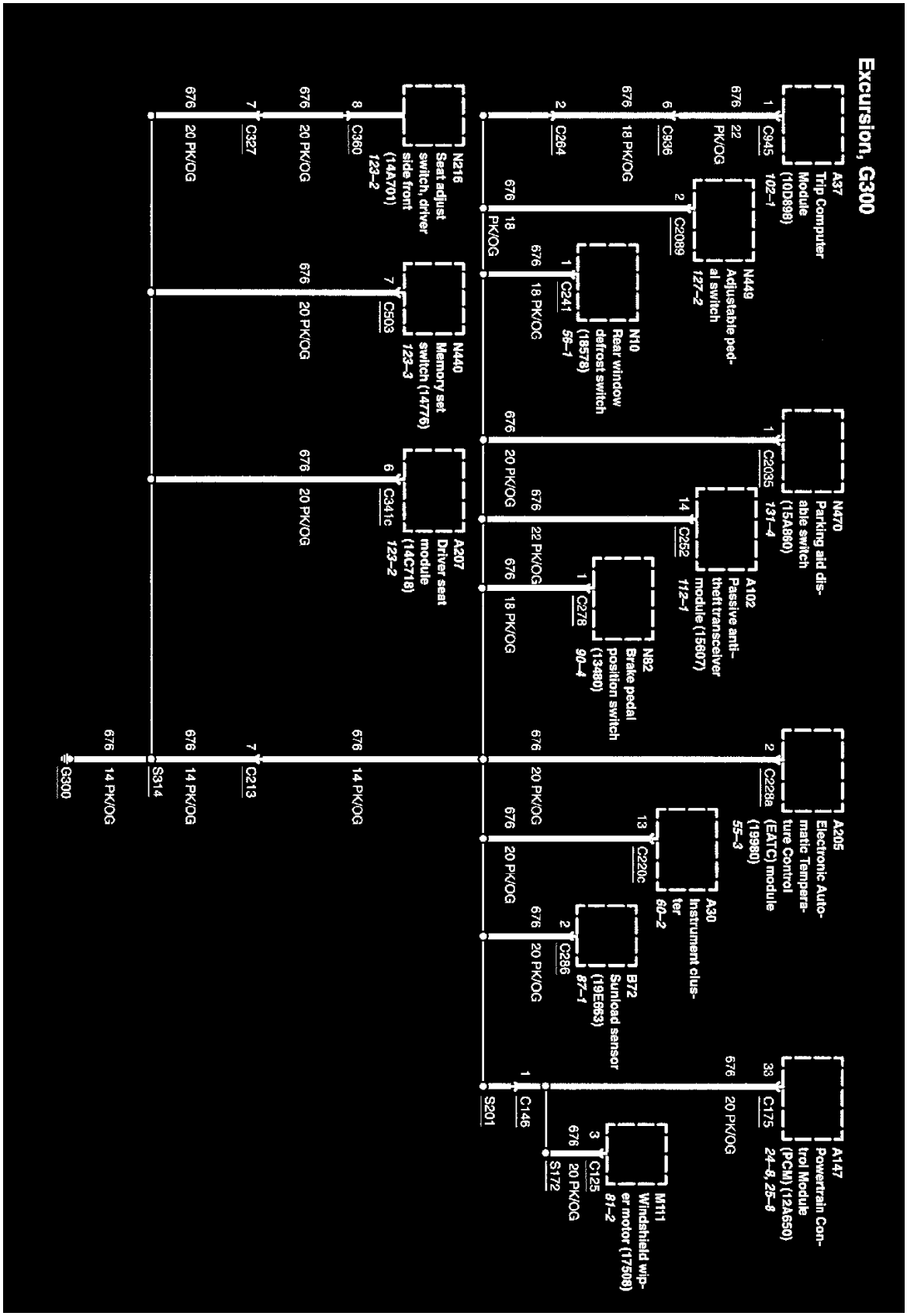

Excursion, G300
A37
Trip Computer Module (10D898) 102–1
C345
22 PK/OG
676
C336
18 PK/OG
676
C264
18 PK/OG
676
C2089
N449
Adjustable pedal switch 127–2
N10
Rear window defrost switch (18578) 56–1
C241
18 PK/OG
676
N470
Parking aid disable switch (15A860)
C2035 131–4
C252 112–1
A102
Passive anti-theft transceiver module (15607)
C278 90–4
N82
Brake pedal position switch (13480)
22 PK/OG
676
20 PK/OG
676
18 PK/OG
676
A205
Electronic Automatic Temperature Control (EATC) module (19980) 55–3
C228a
20 PK/OG
676
C220c
A30
Instrument cluster 60–2
20 PK/OG
676
C286
B72
Sunload sensor (19E683) 87–1
20 PK/OG
676
S201
C146
1
A147
Powertrain Control Module (PCM) (12A650) 24–8, 25–8
C175
33
20 PK/OG
676
C125
M111
Windshield wiper motor (17508) 81–2
3
20 PK/OG
676
S172
N216
Seat adjust switch, driver side front (14A701) 123–2
C360
8
20 PK/OG
676
C503
N440
Memory set switch (14776) 123–3
7
20 PK/OG
676
C341c
A207
Driver seat module (14C718) 123–2
6
20 PK/OG
676
C327
7
20 PK/OG
676
C213
7
14 PK/OG
676
S314
14 PK/OG
676
G300

Diagram 10-8

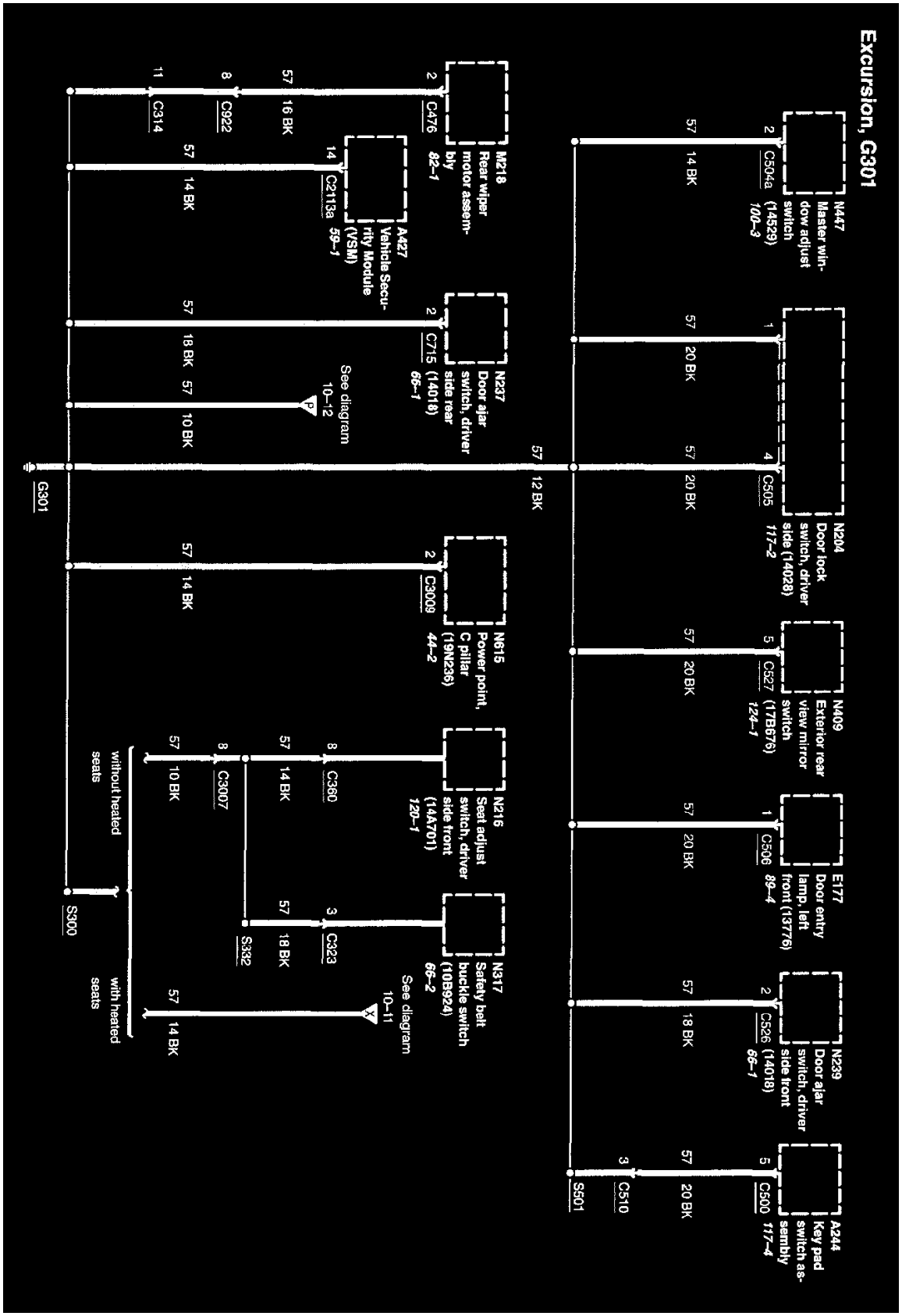

Excursion, G301
N447
Master window adjust switch (14529)
100–3
C504a
2
57
14 BK
N204
Door lock switch, driver side (14028)
117–2
C505
1
4
57
20 BK
N409
Exterior rear view mirror switch (17B676)
124–1
C527
5
57
20 BK
E177
Door entry lamp, left front (13776)
89–4
C506
1
57
20 BK
N239
Door ajar switch, driver side front (14018)
66–1
C526
2
57
18 BK
A244
Key pad switch assembly
117–4
C500
5
57
20 BK
C510
3
S501
57
12 BK
M218
Rear wiper motor assembly
82–1
C476
2
16 BK
57
A427
Vehicle Security Module (VSM)
59–1
C2113a
14
57
14 BK
N237
Door ajar switch, driver side rear (14018)
66–1
C715
2
57
18 BK
See diagram 10–12
P
57
10 BK
G301
N615
Power point, C pillar (19N236)
44–2
C3009
2
57
14 BK
N216
Seat adjust switch, driver side front (14A701)
120–1
C360
8
57
14 BK
C3007
8
57
10 BK
without heated seats
S300
N317
Safety belt buckle switch (10B924)
66–2
C323
3
57
18 BK
S332
See diagram 10–11
A
57
14 BK
with heated seats
C922
8
57
14 BK
C314
11

Diagram 10-9

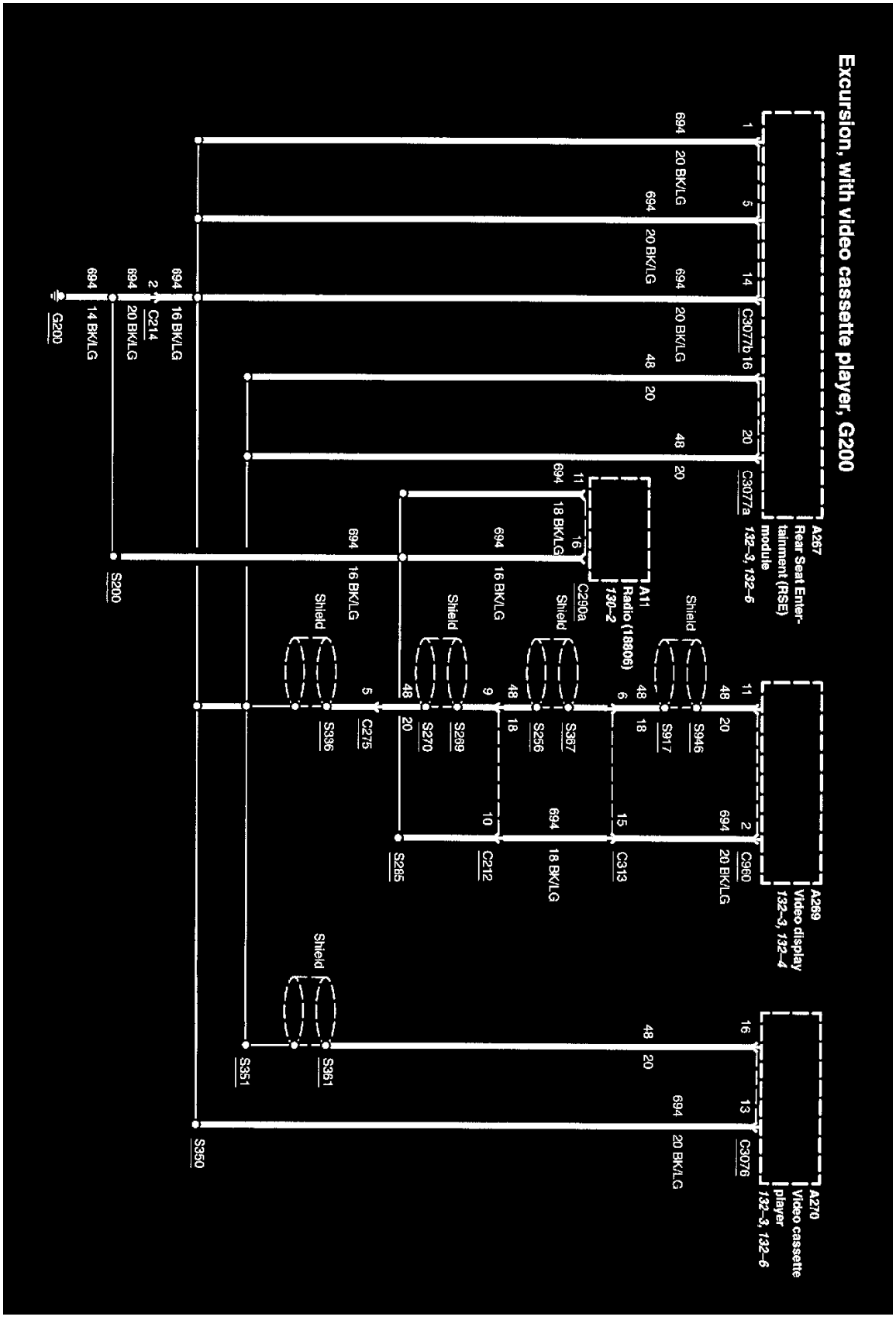


Diagram 10-10

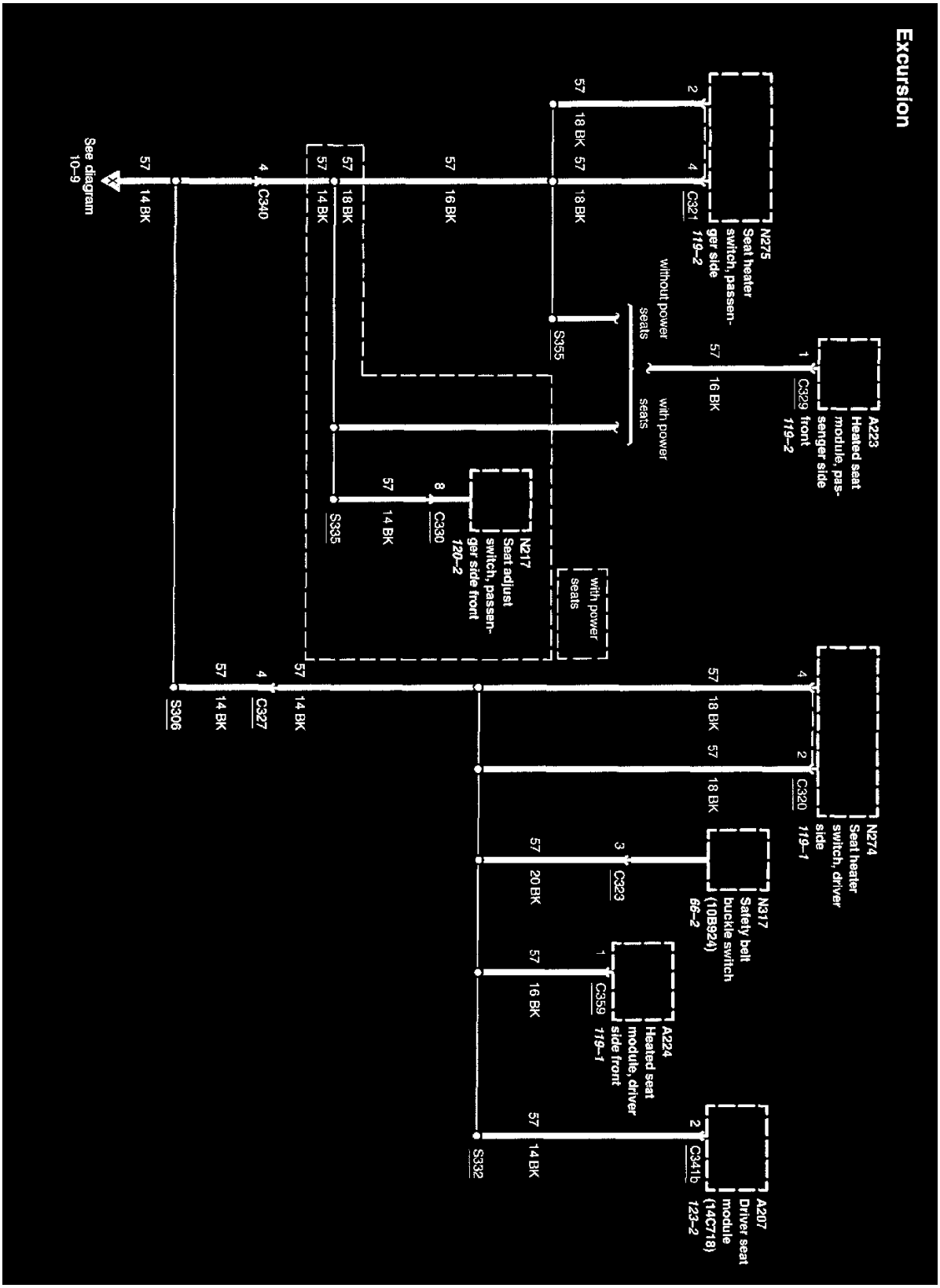


Diagram 10-11

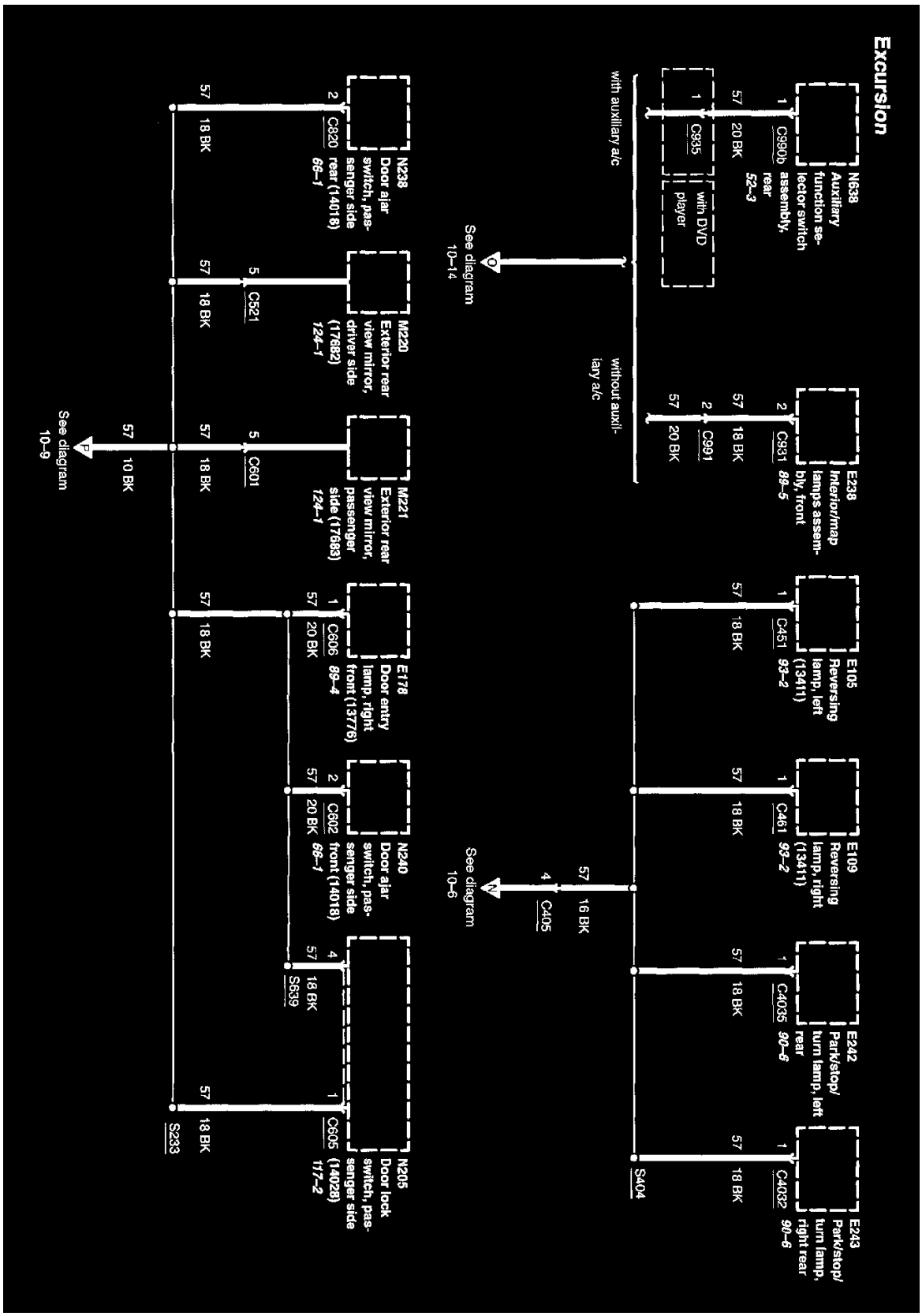


Diagram 10-12

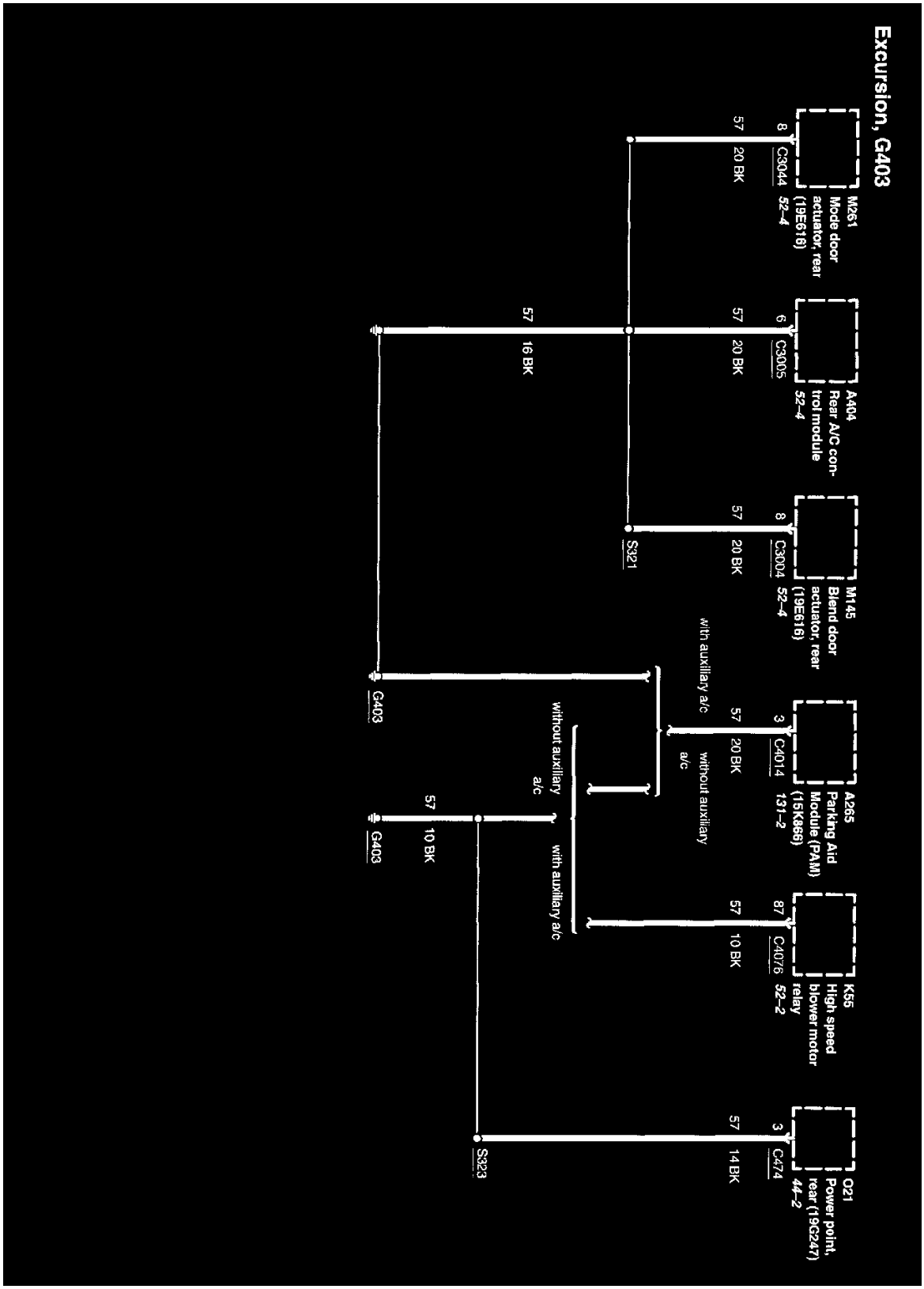


Diagram 10-13

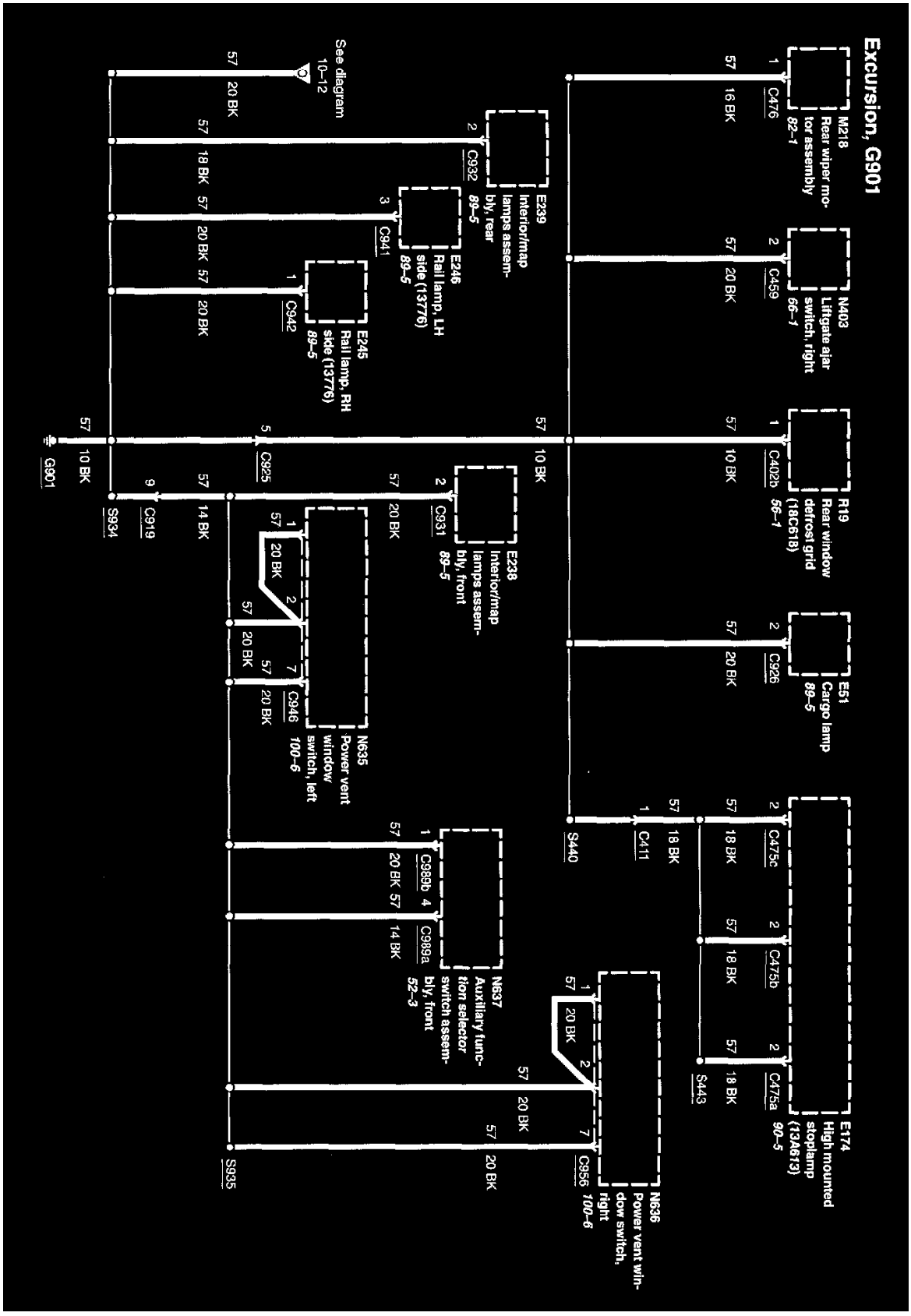


Diagram 10-14

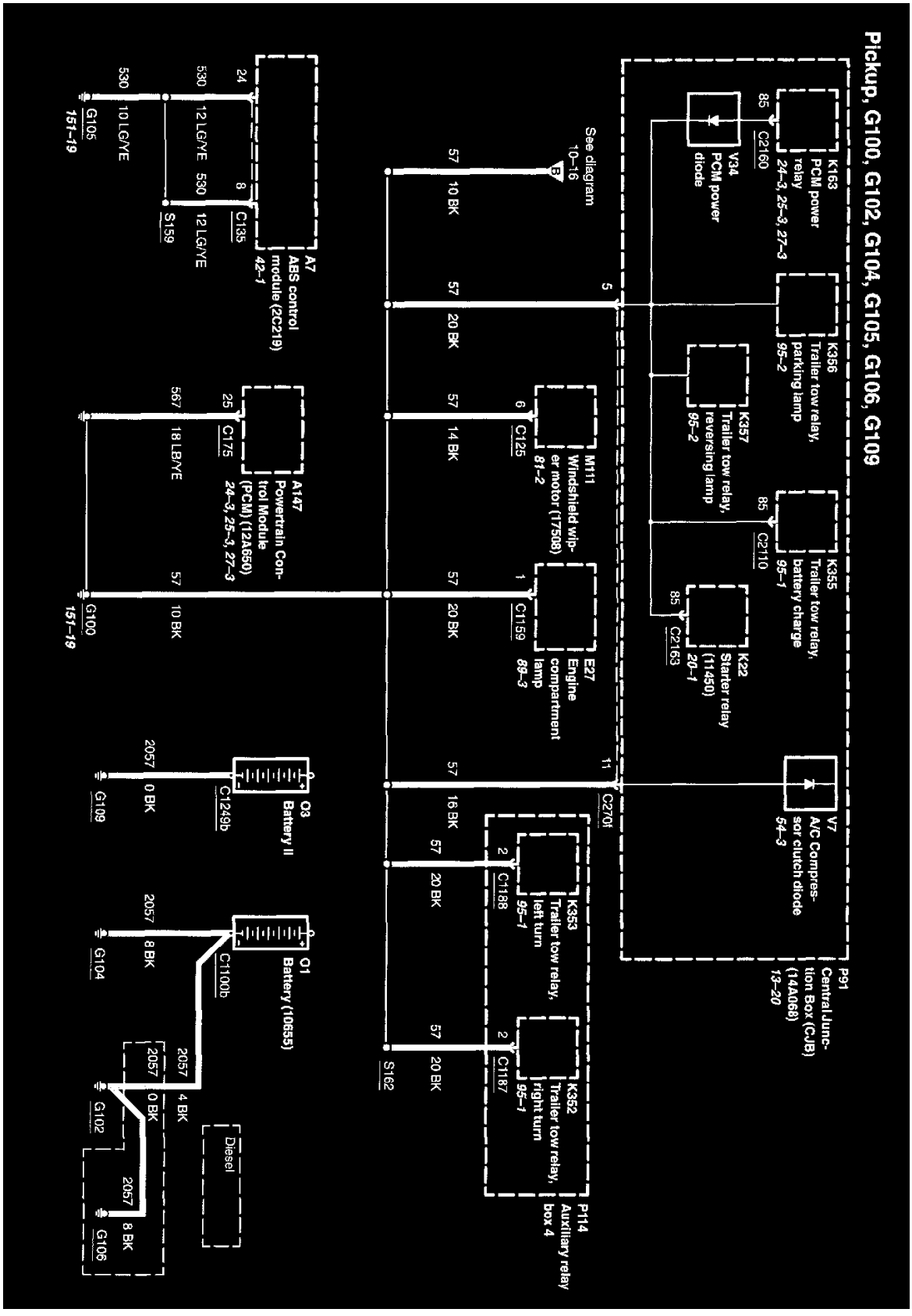


Diagram 10-15

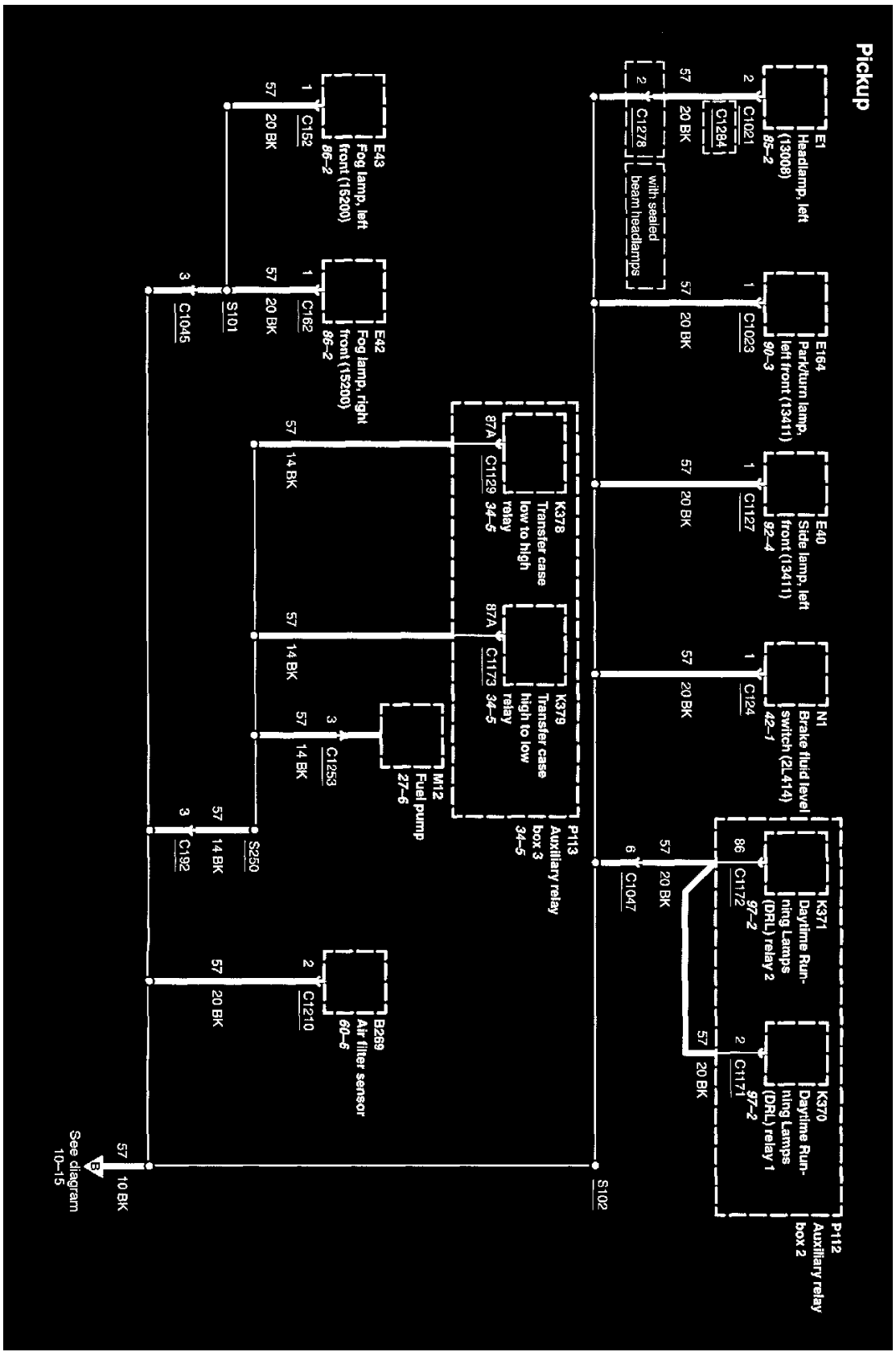


Diagram 10-16

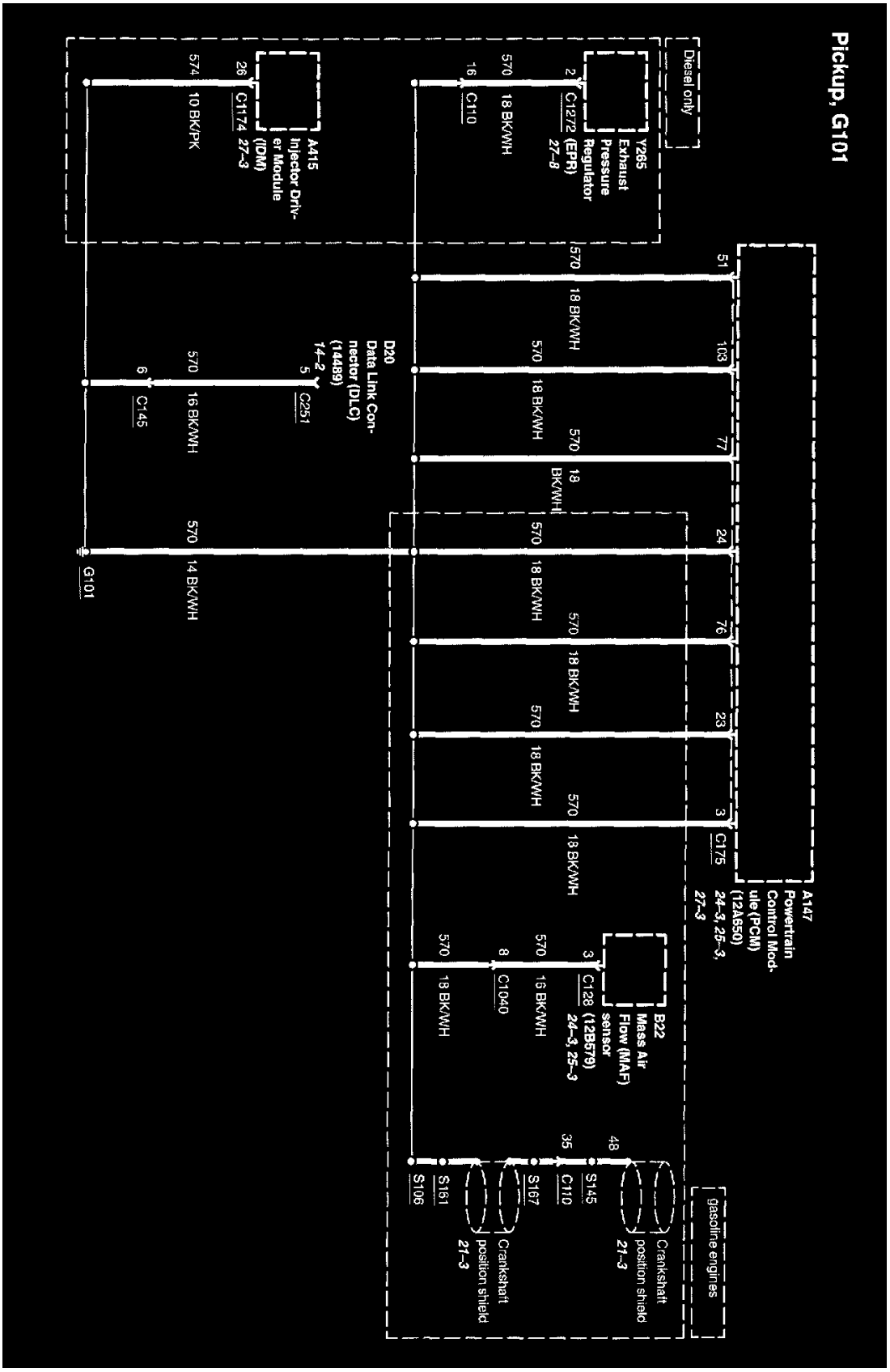


Diagram 10-17

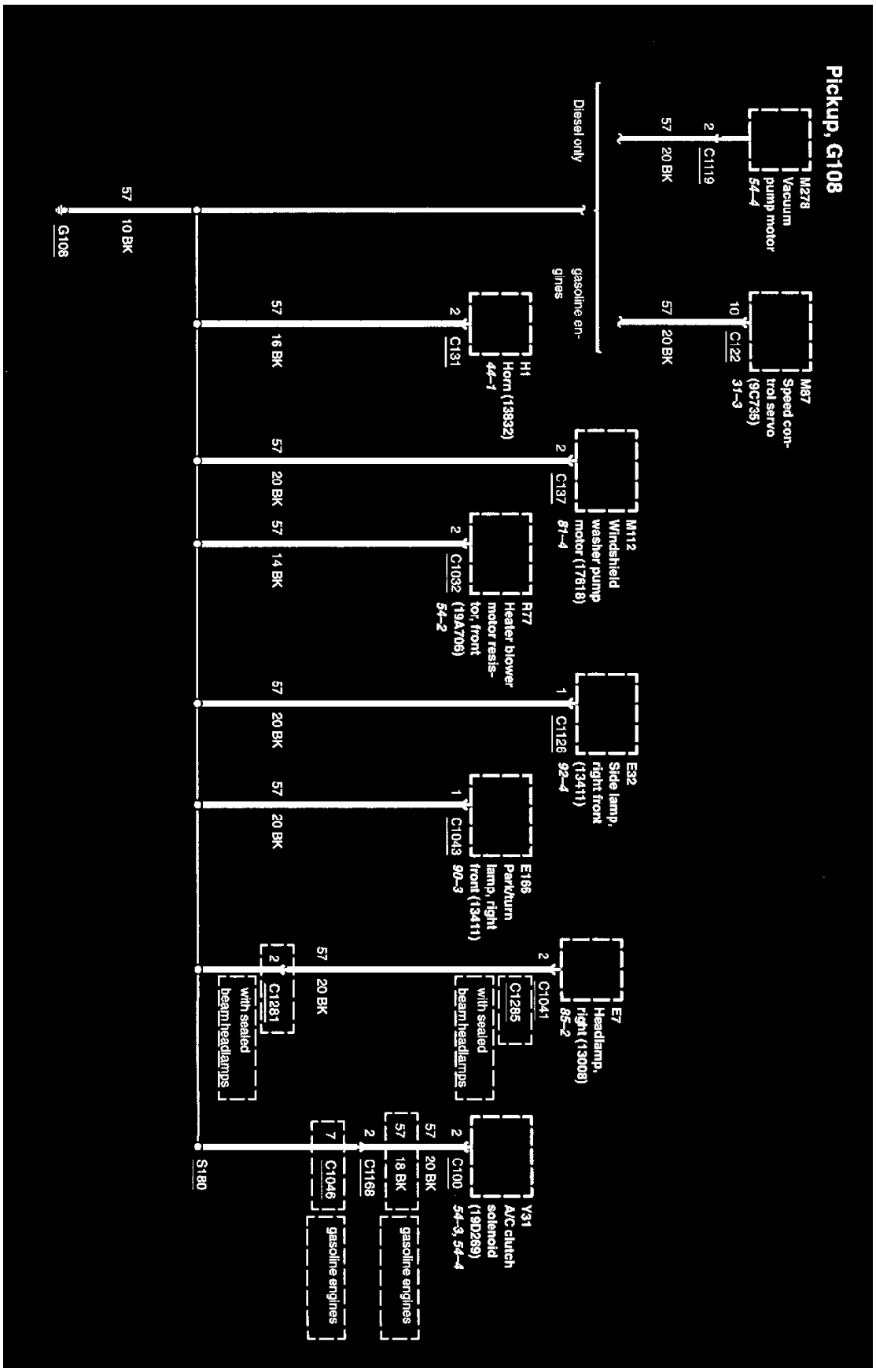


Diagram 10-18

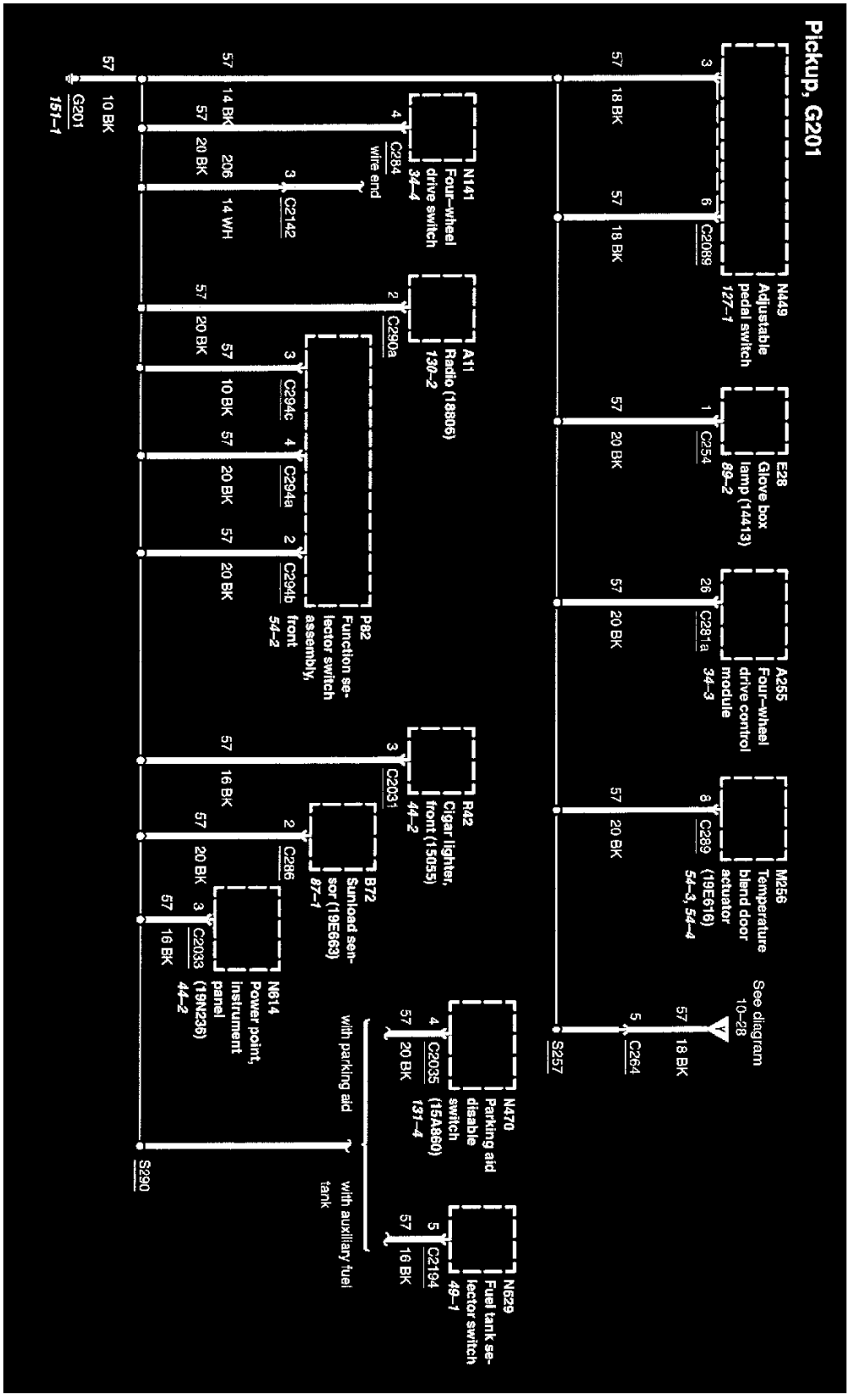
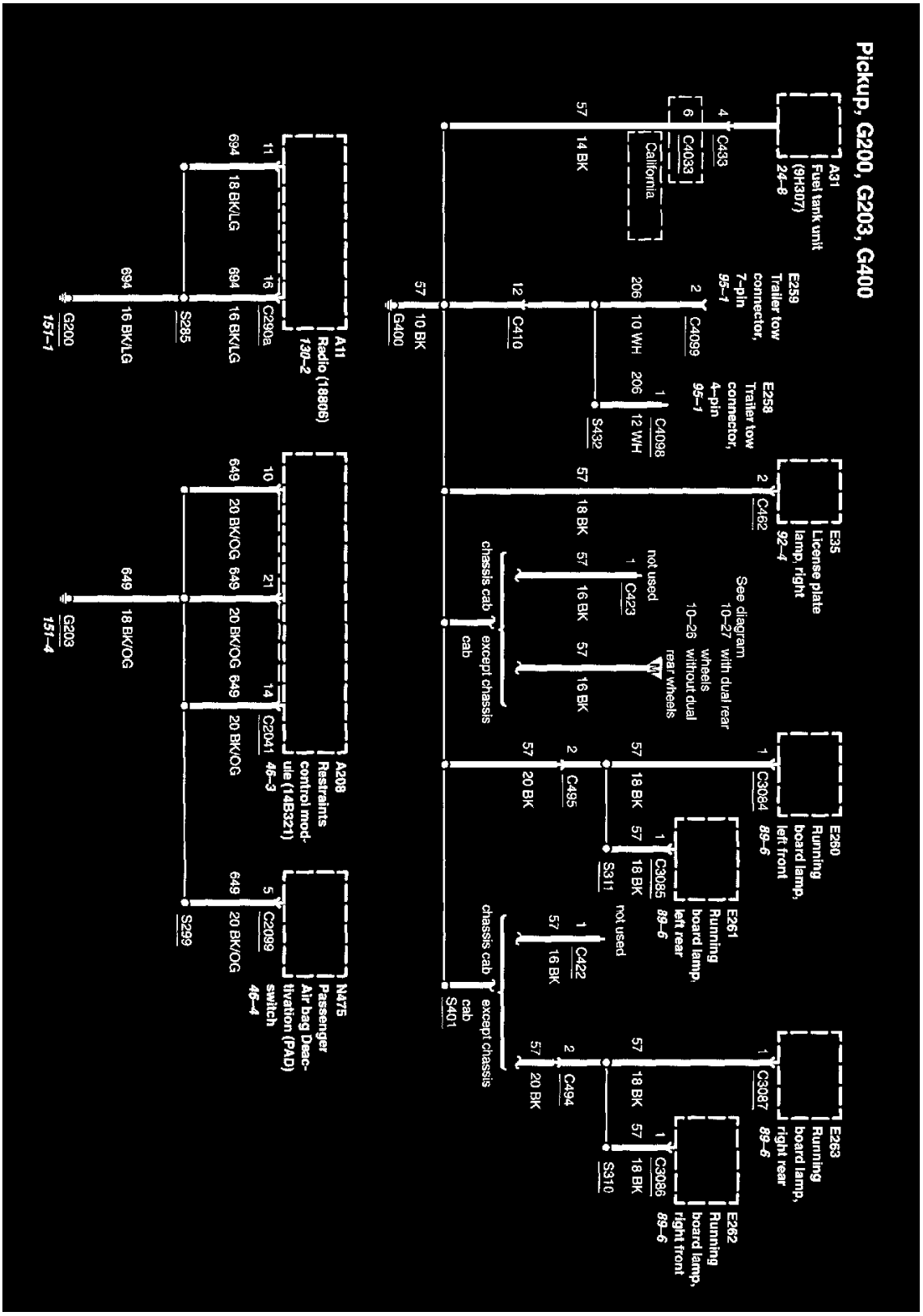


Diagram 10-19


Pickup, G200, G203, G400
A31
Fuel tank unit
(9H307)
24-B
E259
Trailer tow
connector,
7-pin
95-1
E258
Trailer tow
connector,
4-pin
95-1
E35
License plate
lamp, right
92-4
E260
Running
board lamp,
left front
89-6
E263
Running
board lamp,
right rear
89-6
E261
Running
board lamp,
left rear
89-6
E262
Running
board lamp,
right front
89-6
C433
C4033
California
C4099
C4098
S432
C462
C3084
C3085
C3087
C3086
S311
S310
C423
C422
C495
C494
C410
G400
G200
151-1
G203
151-4
S401
S285
S299
See diagram
10-27 with dual rear
wheels
10-26 without dual
rear wheels
not used
not used
except chassis
cab
chassis cab
A11
Radio (18806)
130-2
A208
Restraints
control mod-
ule (14B321)
C290a
C2041
46-3
N475
Passenger
Air bag Deac-
tivation (PAD)
switch
46-4
C2089
4 6 2 1 2 1 1 2 1 2 1 2

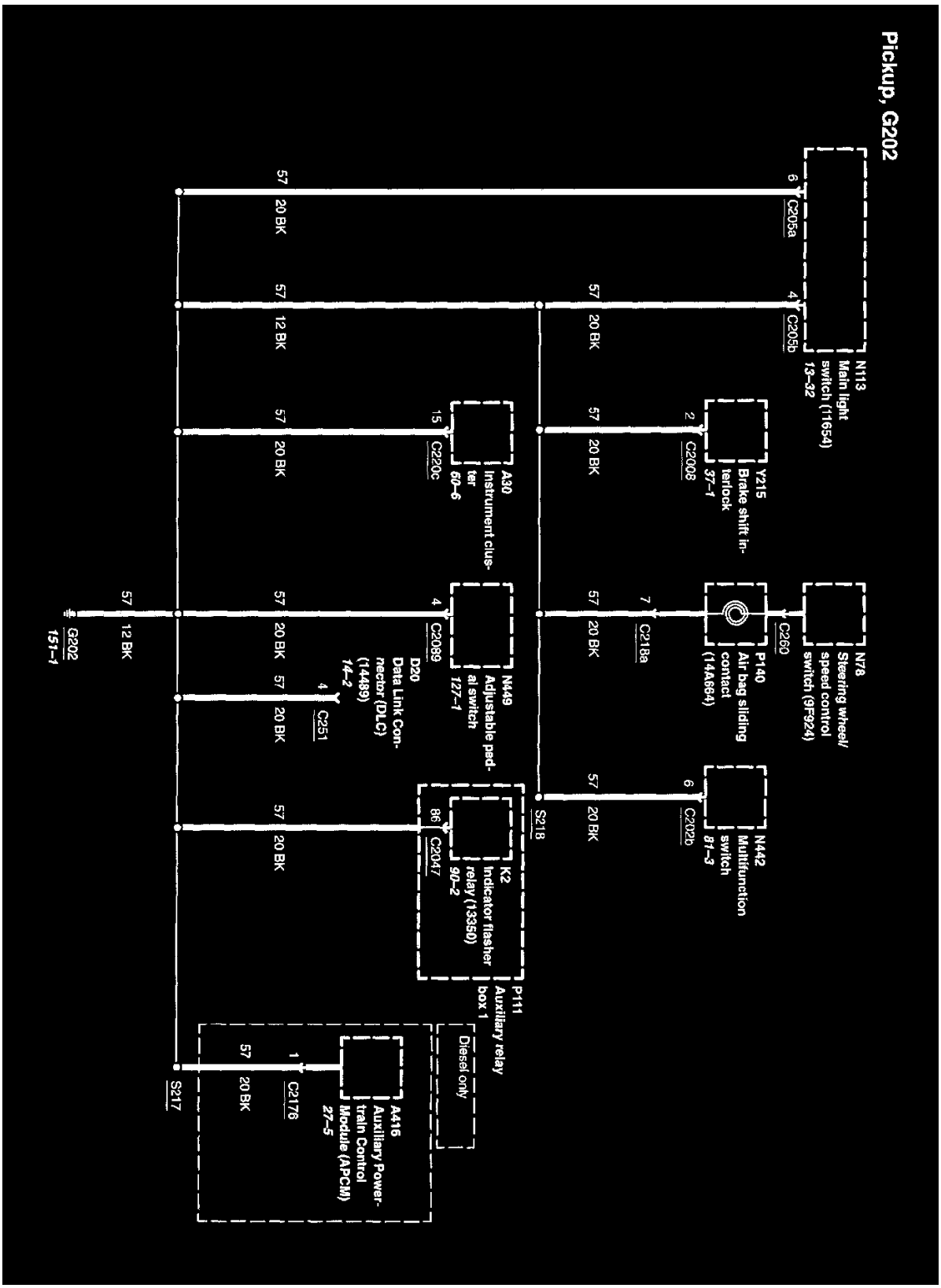


Diagram 10-21

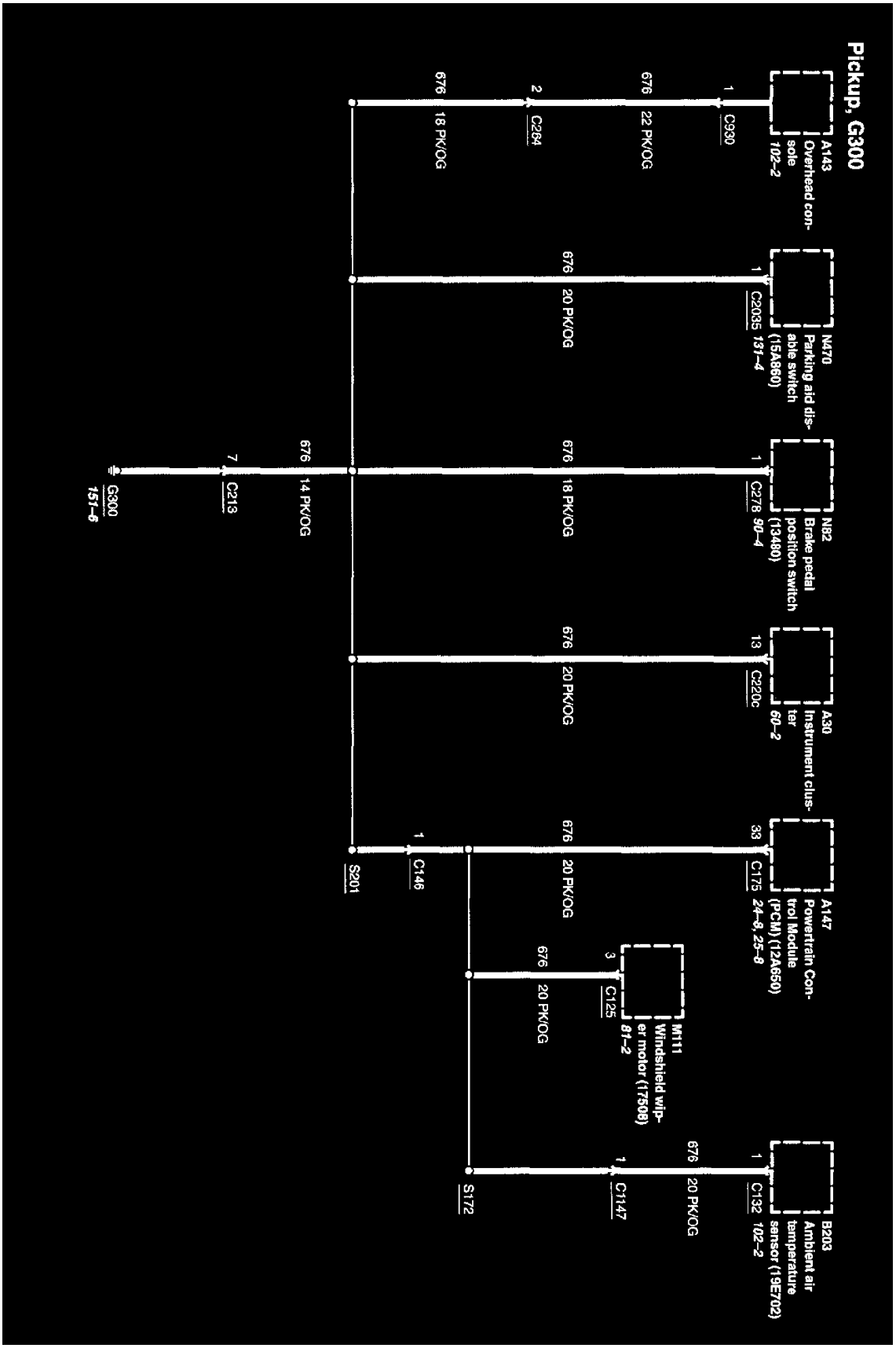


Diagram 10-22

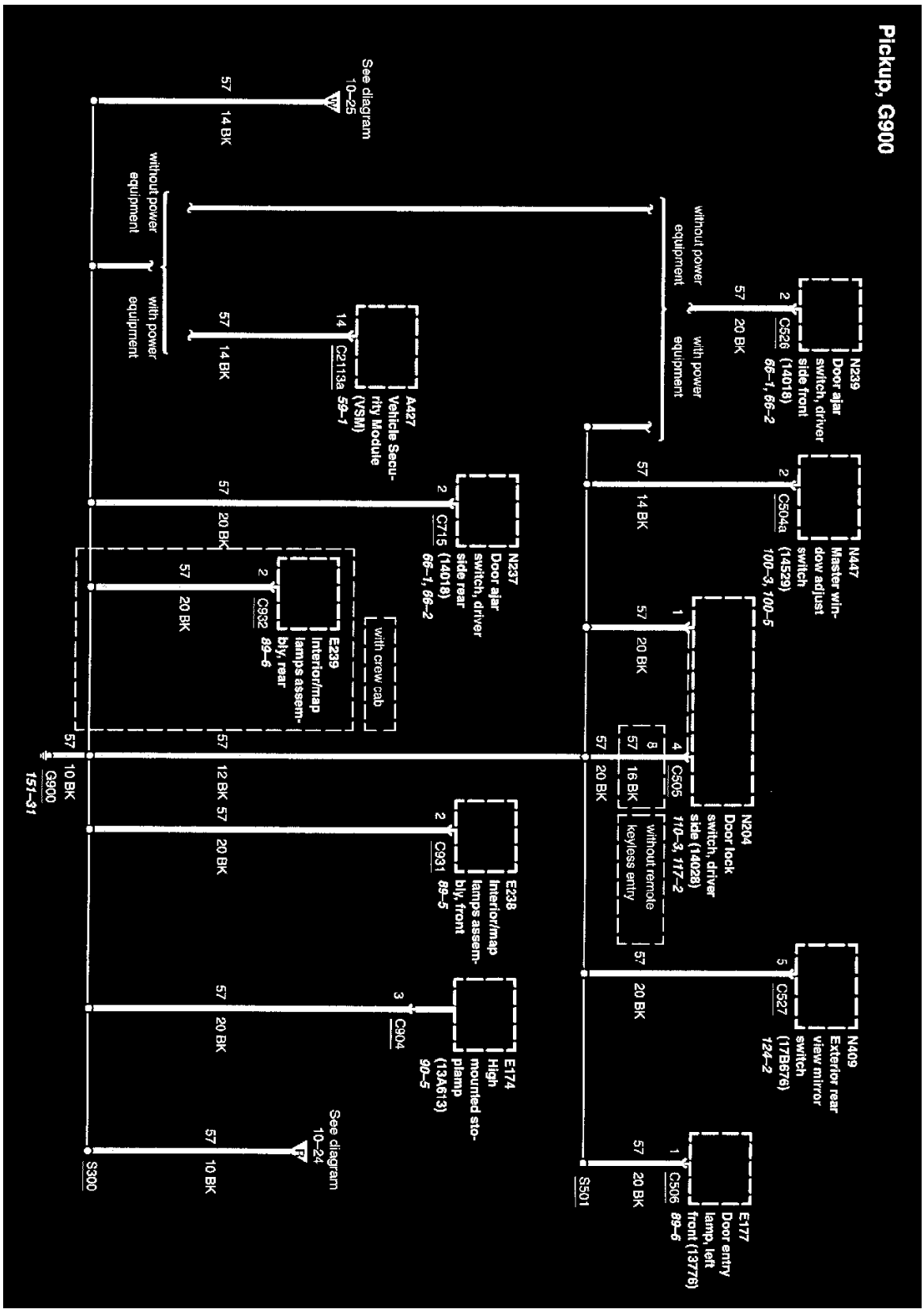


Diagram 10-23

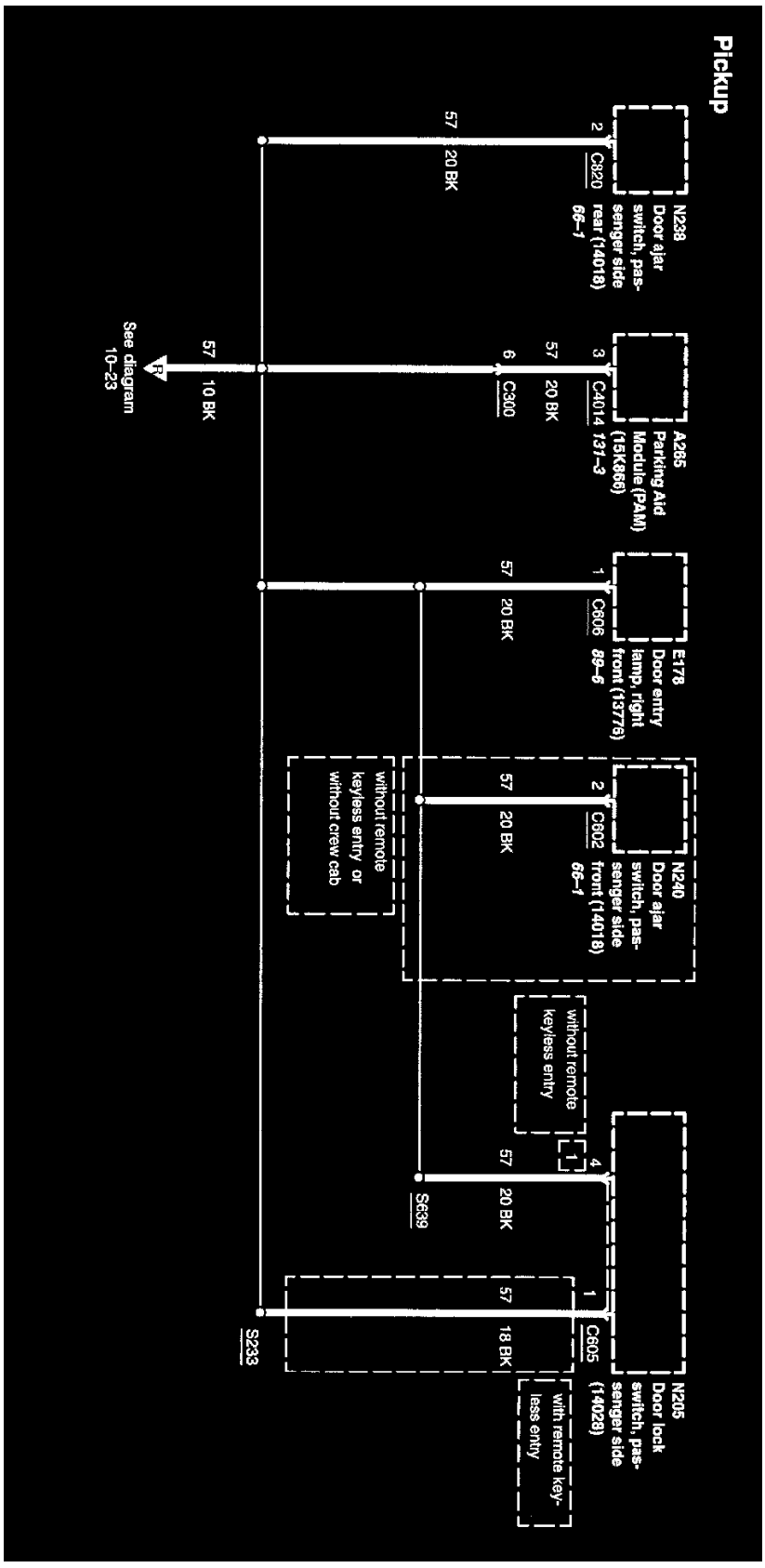


Diagram 10-24

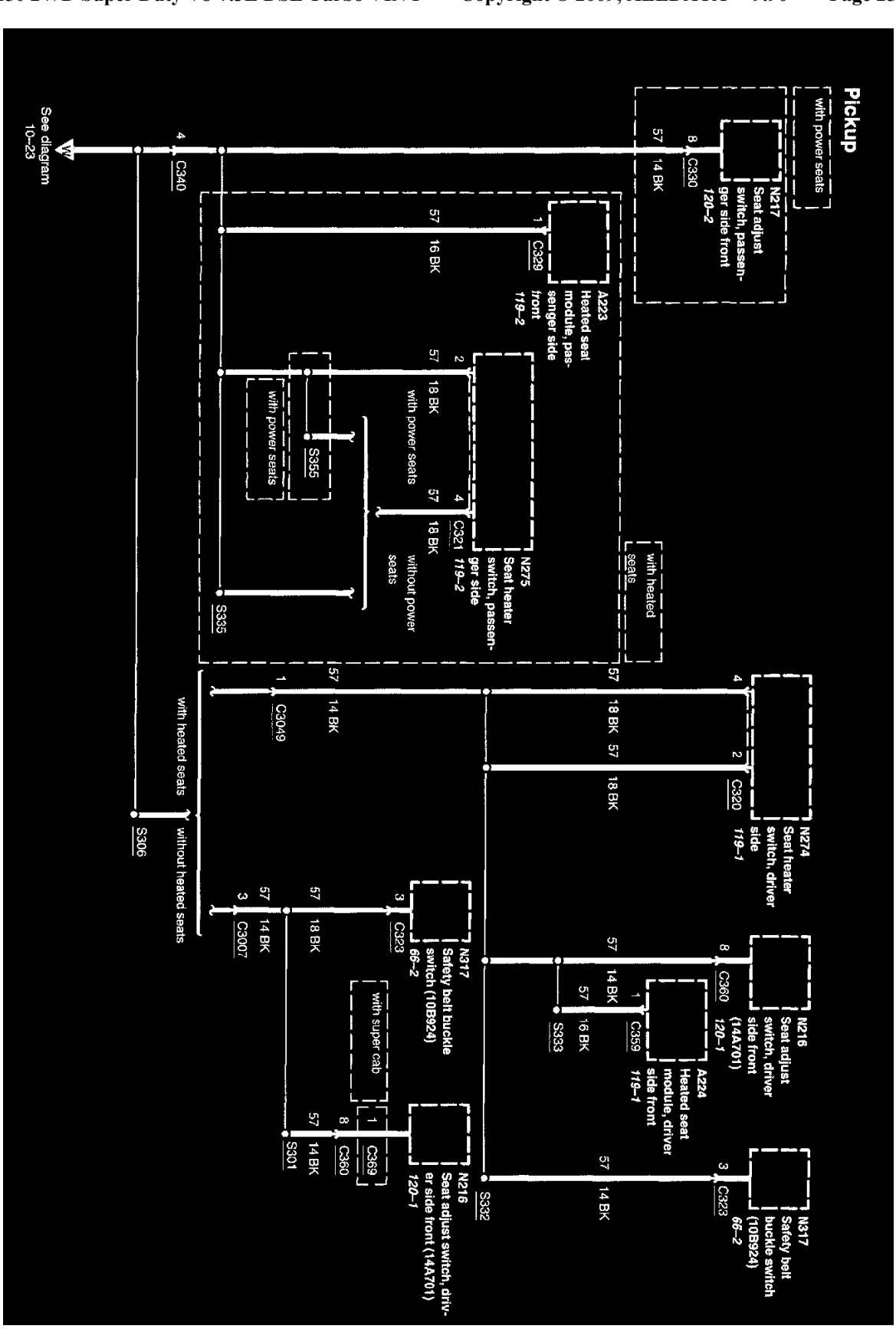


Diagram 10-25

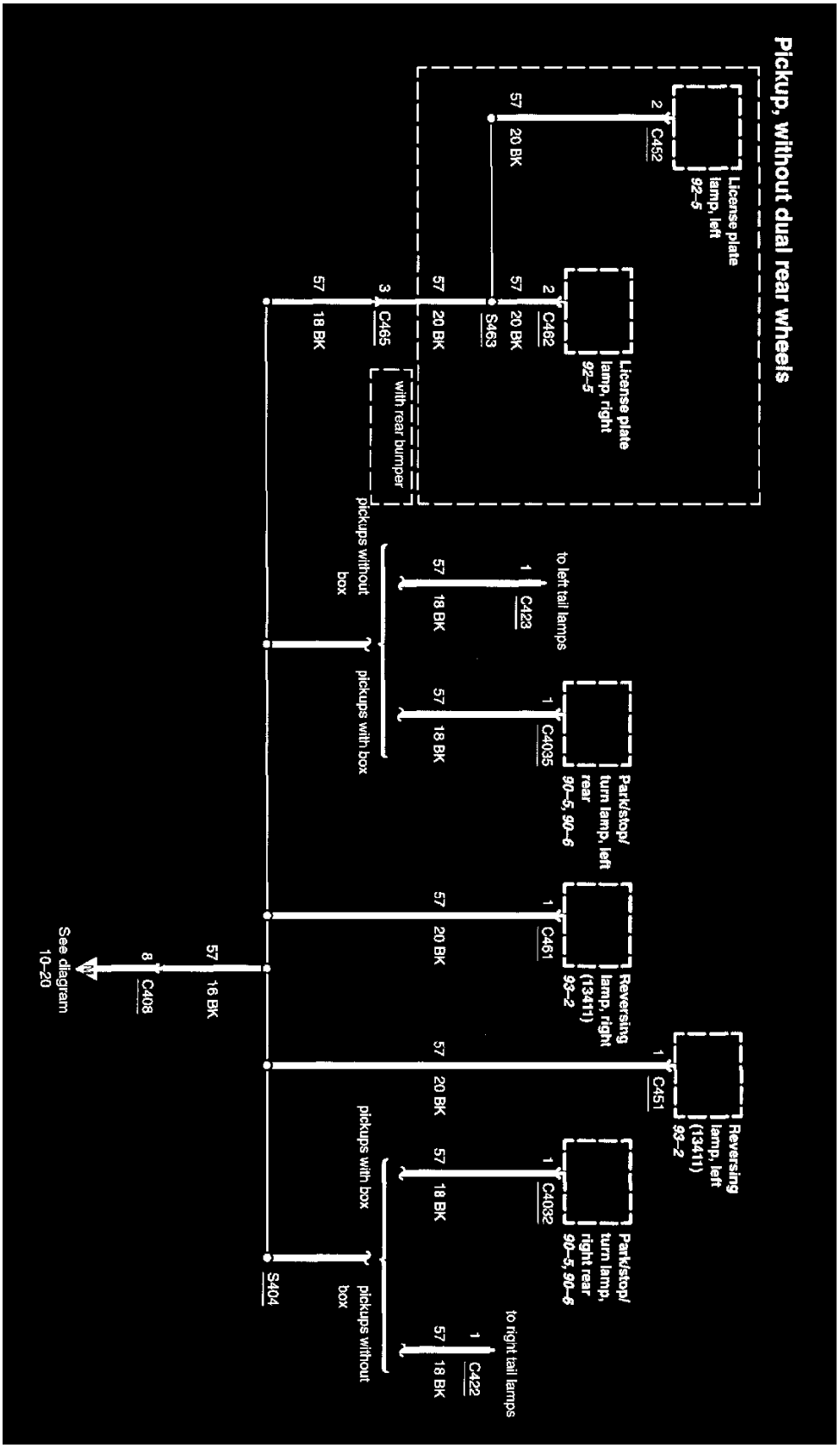


Diagram 10-26

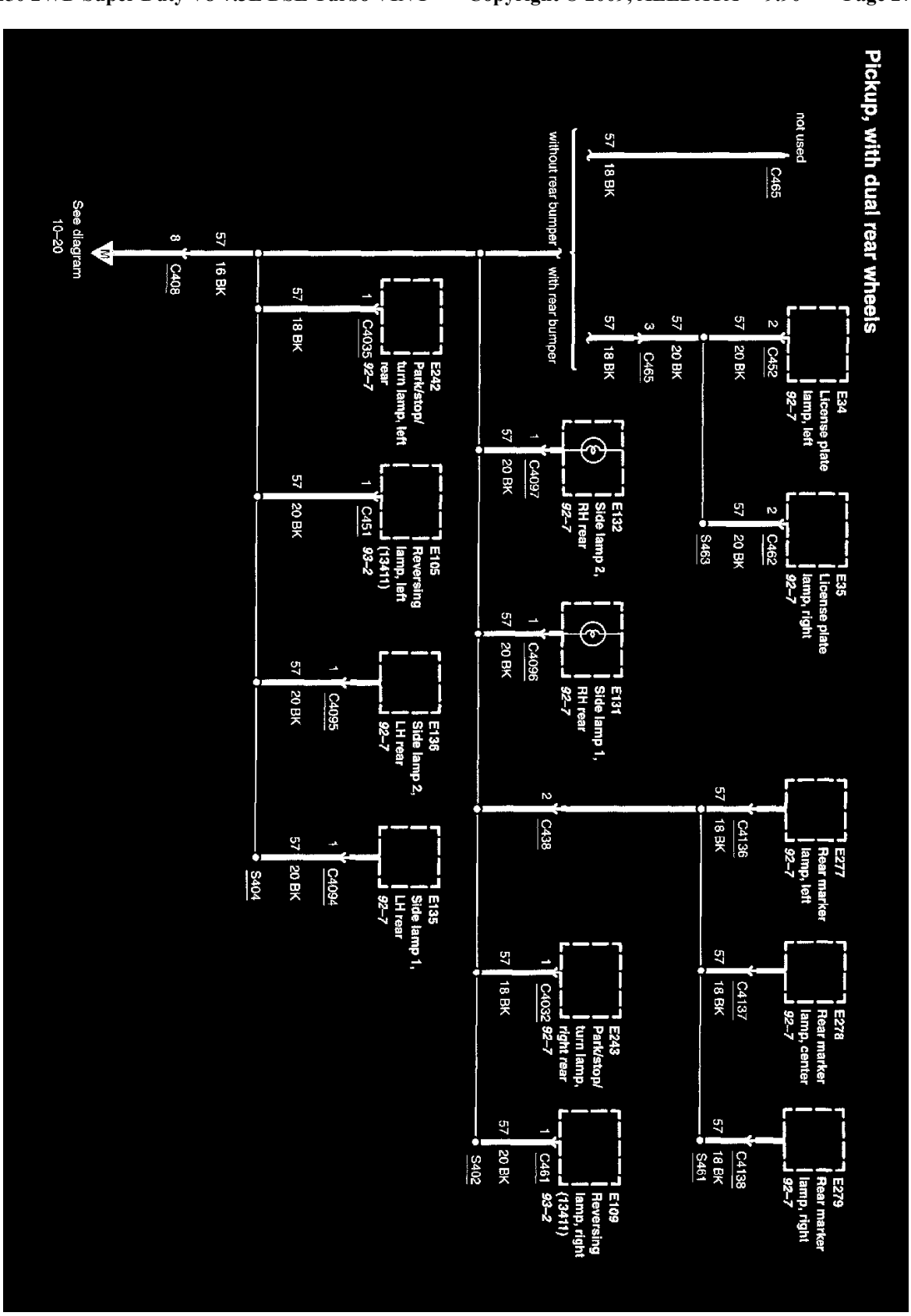


Diagram 10-27

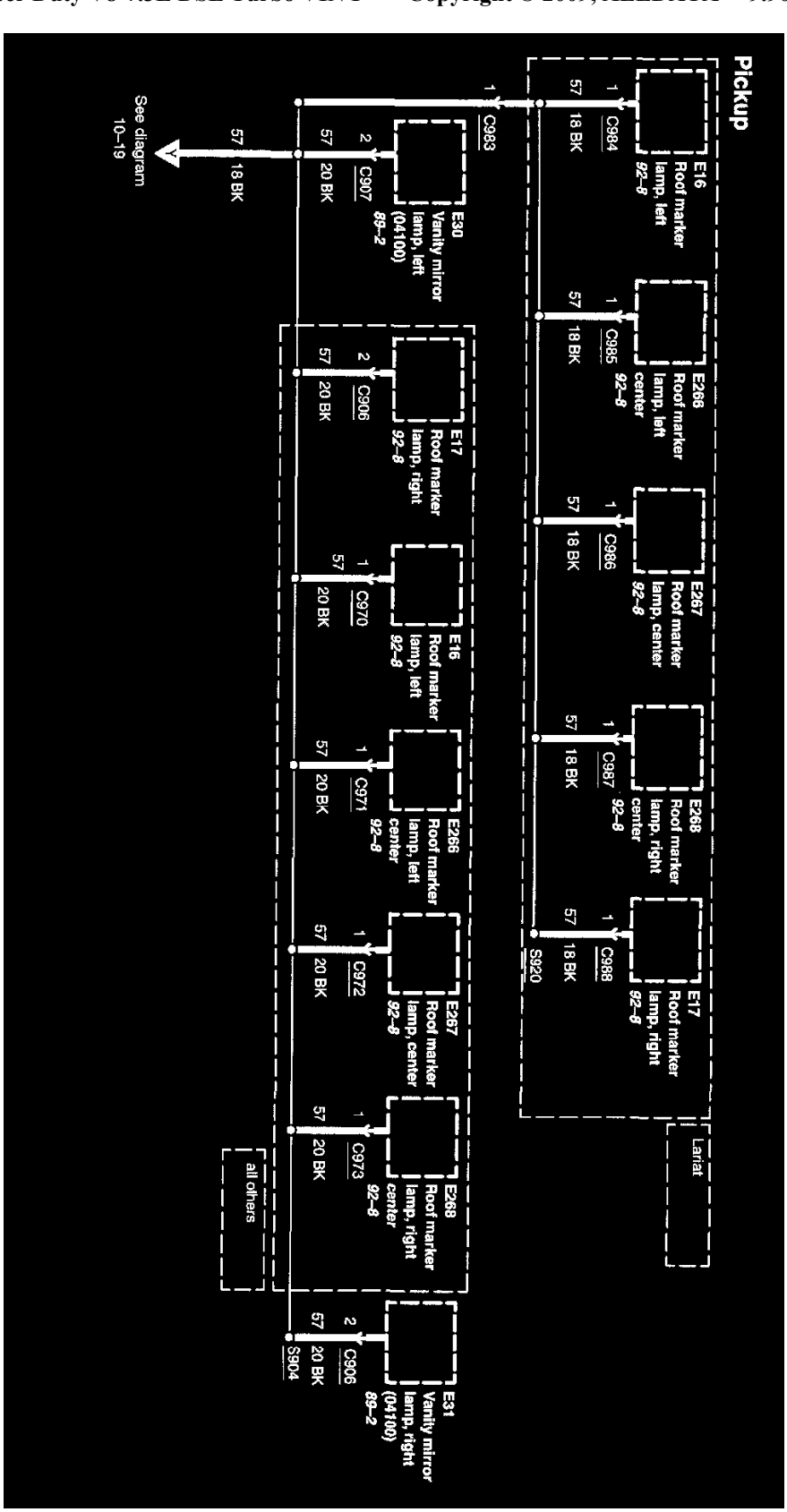


Diagram 10-28

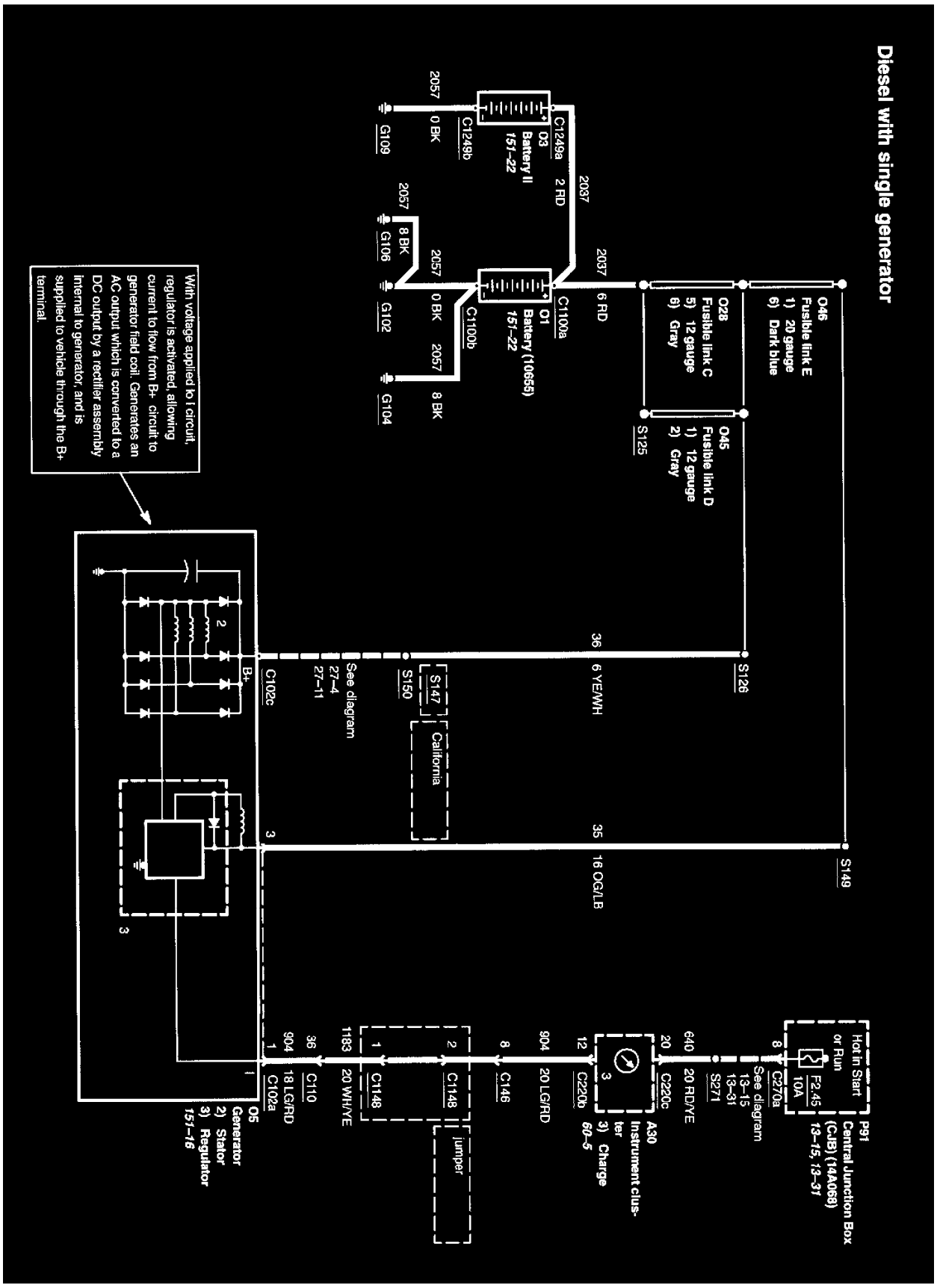

Diesel with single generator
Q46
Fusible link E
1) 20 gauge
6) Dark blue
Q28
Fusible link C
5) 12 gauge
6) Gray
Q45
Fusible link D
1) 12 gauge
2) Gray
S125
S126
S149
C1249a
Q3
Battery II
151–22
C1249b
G109
C1102a
Q1
Battery (10655)
151–22
C1100b
G102
G104
G106
2037
6 RD
2 RD
0 BK
8 BK
2057
36
6 YE/WH
35
16 OG/LB
With voltage applied to I circuit, regulator is activated, allowing current to flow from B+ circuit to generator field coil. Generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal.
B+
C102c
S147
S150
California
See diagram 27–4 27–11
P31
Central Junction Box (CJB) (14A068)
13–15, 13–31
Hot in Start or Run
F2.45
10A
C270a
See diagram 13–15 13–31
S271
640
20 RD/YE
C220c
A30
Instrument cluster
3) Charge
60–5
C220b
12
904
20 LG/RD
8
C146
C1148
jumper
1183
20 WH/YE
C110
18 LG/RD
C102a
O5
Generator
2) Stator
3) Regulator
151–16

Diagram 12-2

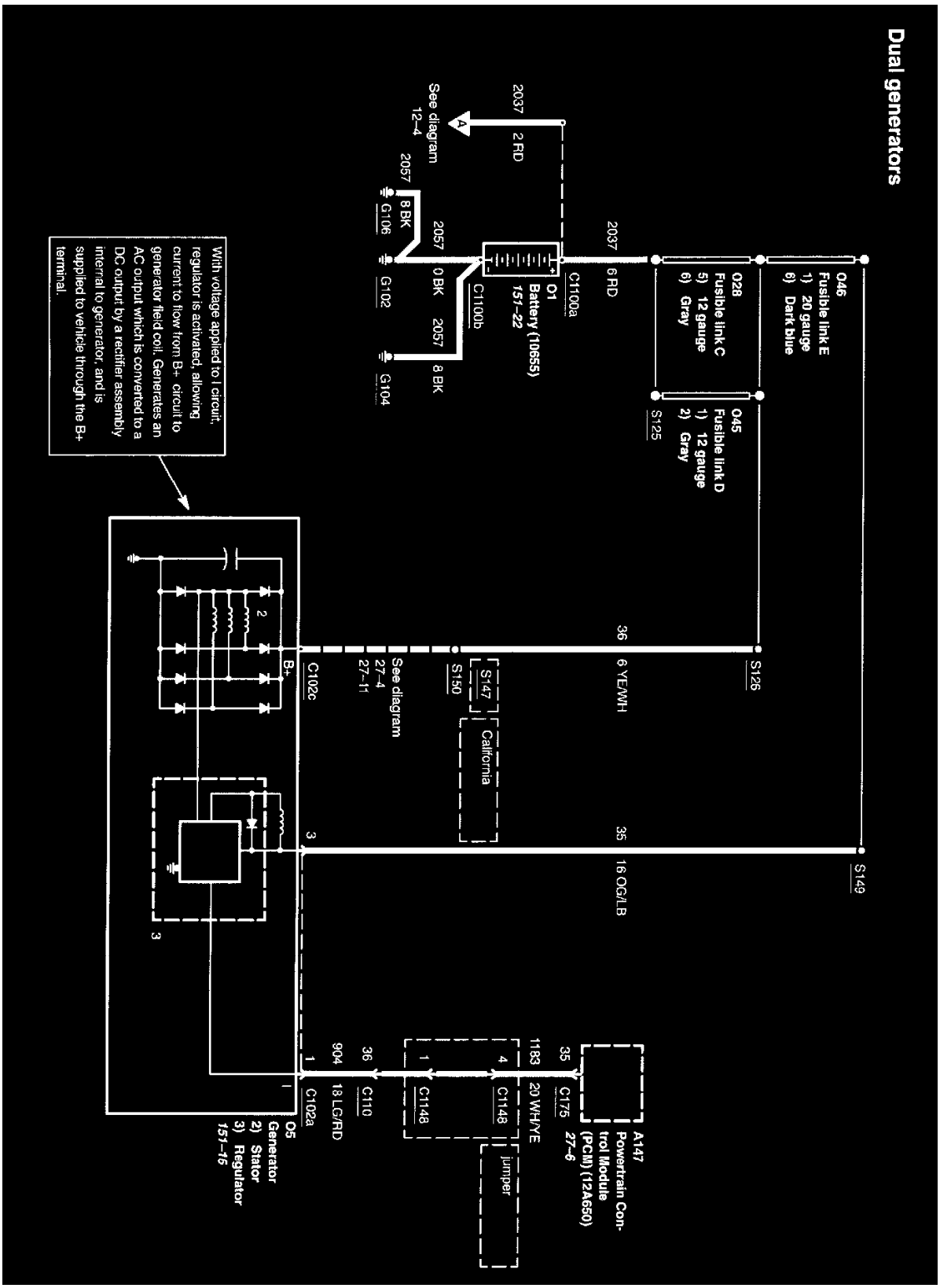

Dual generators
Q46
Fusible link E
1) 20 gauge
6) Dark blue
Q28
Fusible link C
5) 12 gauge
6) Gray
Q45
Fusible link D
1) 12 gauge
2) Gray
S125
S149
2037
6 RD
C1100a
O1
Battery (10655)
151-22
2037
2 RD
See diagram
12-4
2057
8 BK
G106
2057
0 BK
G102
C1100b
2057
8 BK
G104
S126
36
6 YE/WH
S147
California
S150
See diagram
27-4
27-11
C102c
3
35
16 OG/LB
A147
Powertrain Control Module
(PCM) (12A650)
27-6
35
C175
1183
20 WH/YE
4
C1148
jumper
1
C1148
36
C110
904
18 LG/RD
1
C102a
O5
Generator
2) Stator
3) Regulator
151-15
With voltage applied to I circuit, regulator is activated, allowing current to flow from B+ circuit to generator field coil. Generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal.
B+
2
3

Diagram 12-3

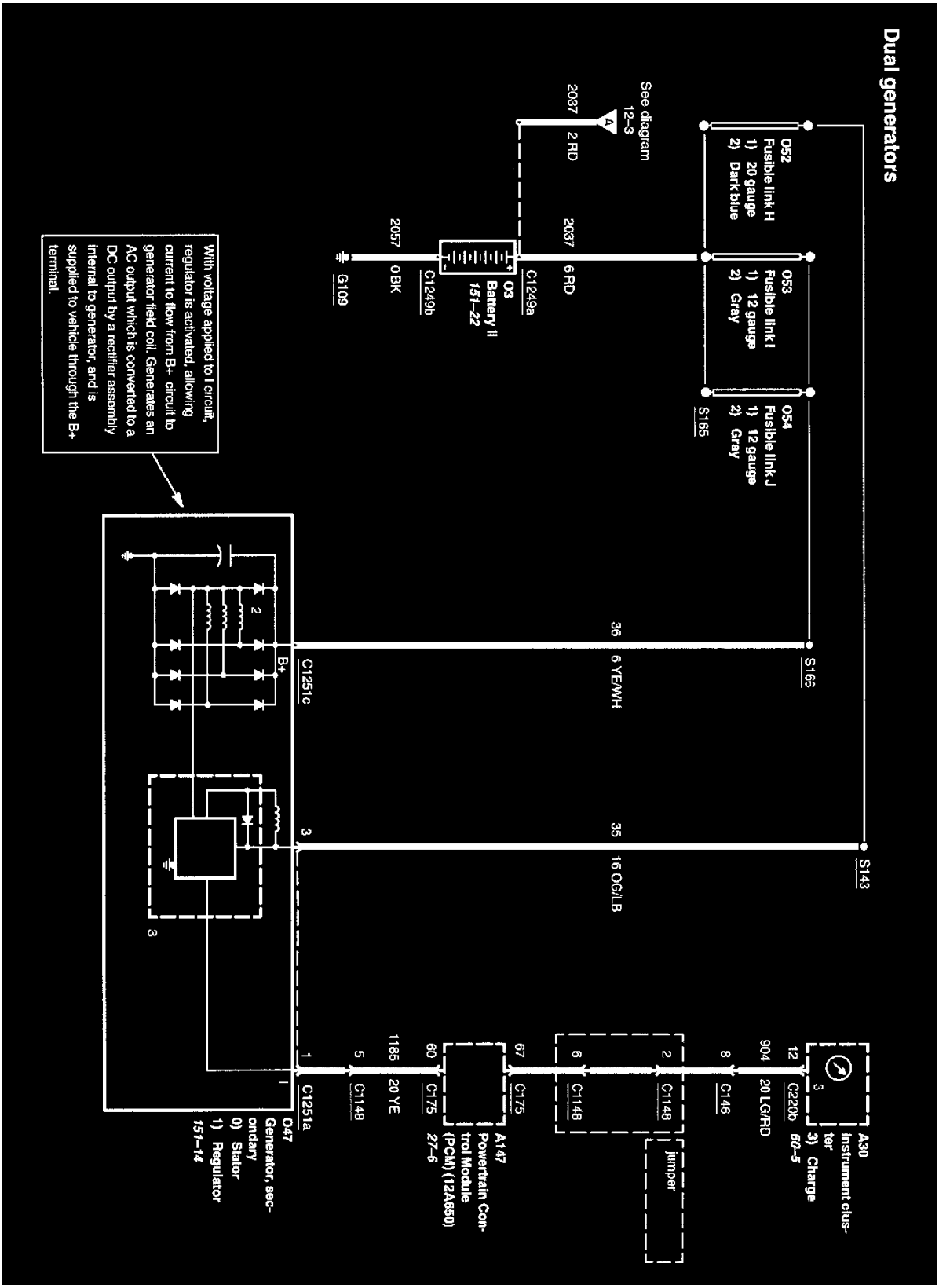

Dual generators
052
Fusible link H
1) 20 gauge
2) Dark blue
053
Fusible link I
1) 12 gauge
2) Gray
054
Fusible link J
1) 12 gauge
2) Gray
S165
S166
S143
See diagram 12-3
2037
2 RD
2037
6 RD
C1249a
C1249b
2057
0 BK
G109
Q3
Battery II
151-22
With voltage applied to I circuit, regulator is activated, allowing current to flow from B+ circuit to generator field coil. Generates an AC output which is converted to a DC output by a rectifier assembly internal to generator, and is supplied to vehicle through the B+ terminal.
B+
C1251c
36
6 YE/WH
35
16 OG/LB
A30
Instrument cluster
3) Charge
60-5
C220b
12
904
20 LG/RD
C146
8
C1148
2
jumper
C1148
6
A147
Powertrain Control Module (PCM) (12A650)
27-6
C175
67
C175
60
1185
20 YE
C1148
5
C1251a
1
Q47
Generator, secondary
0) Stator
1) Regulator
151-14

Diagram 12-4

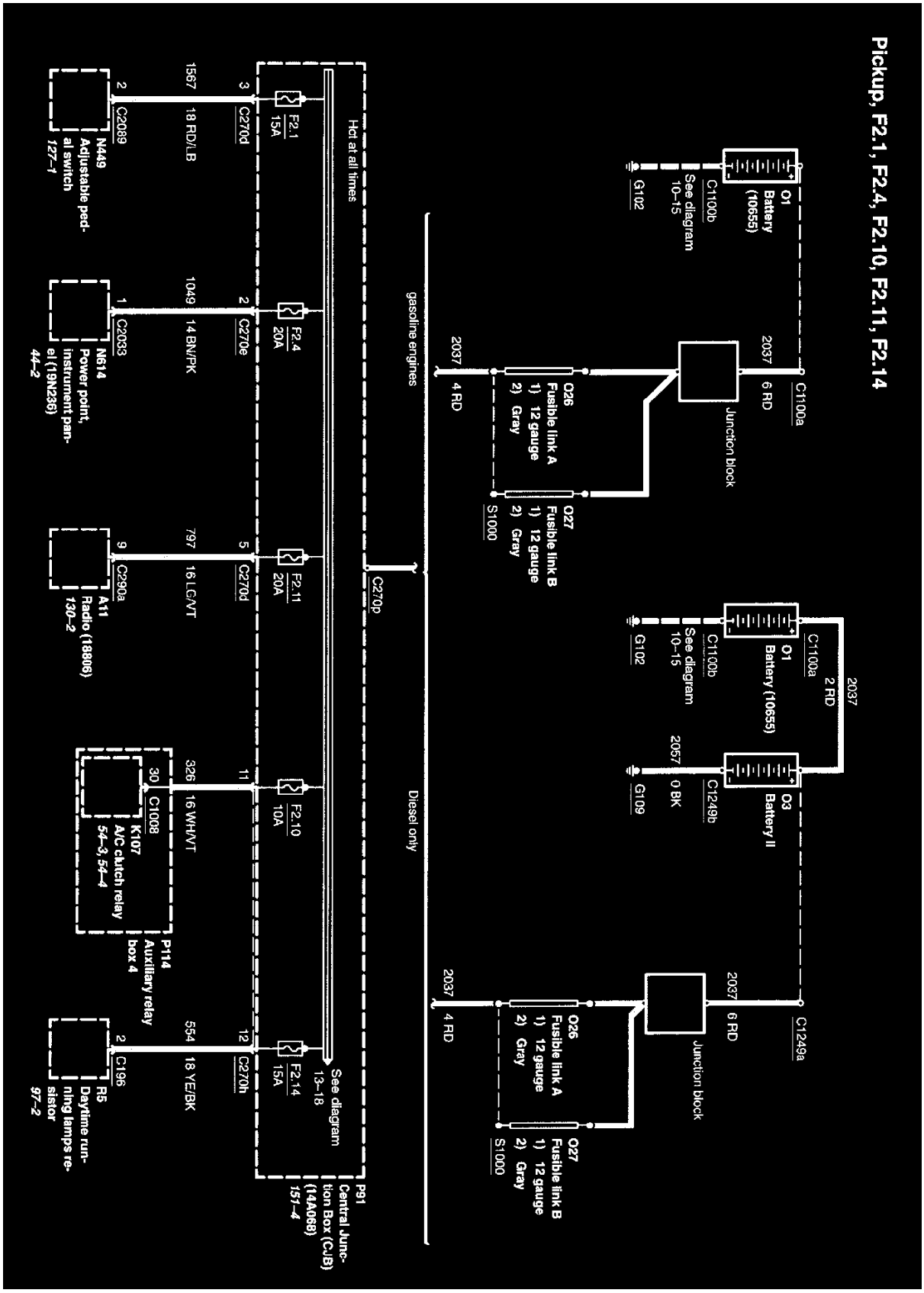


Diagram 13-17

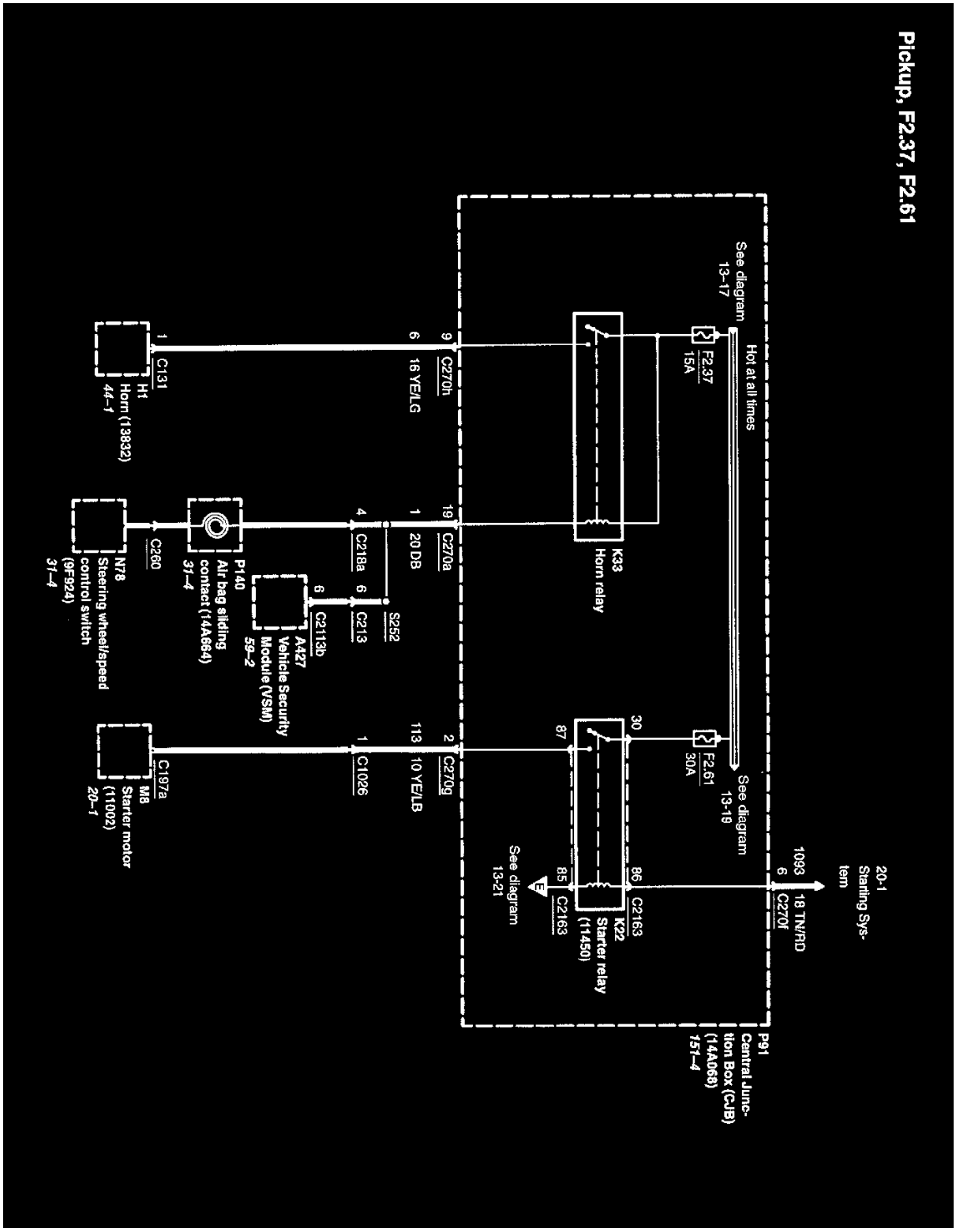


Diagram 13-18

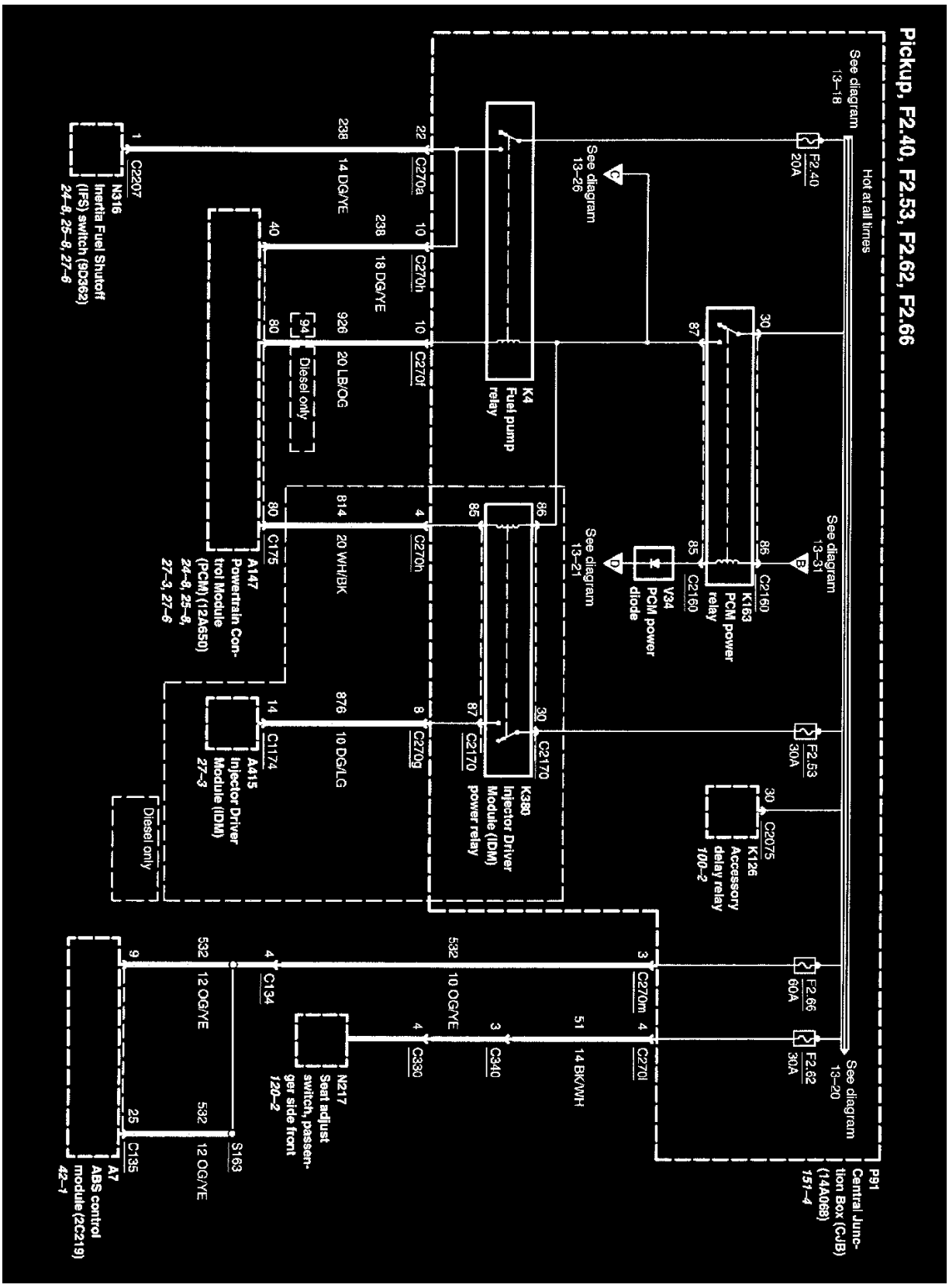


Diagram 13-19

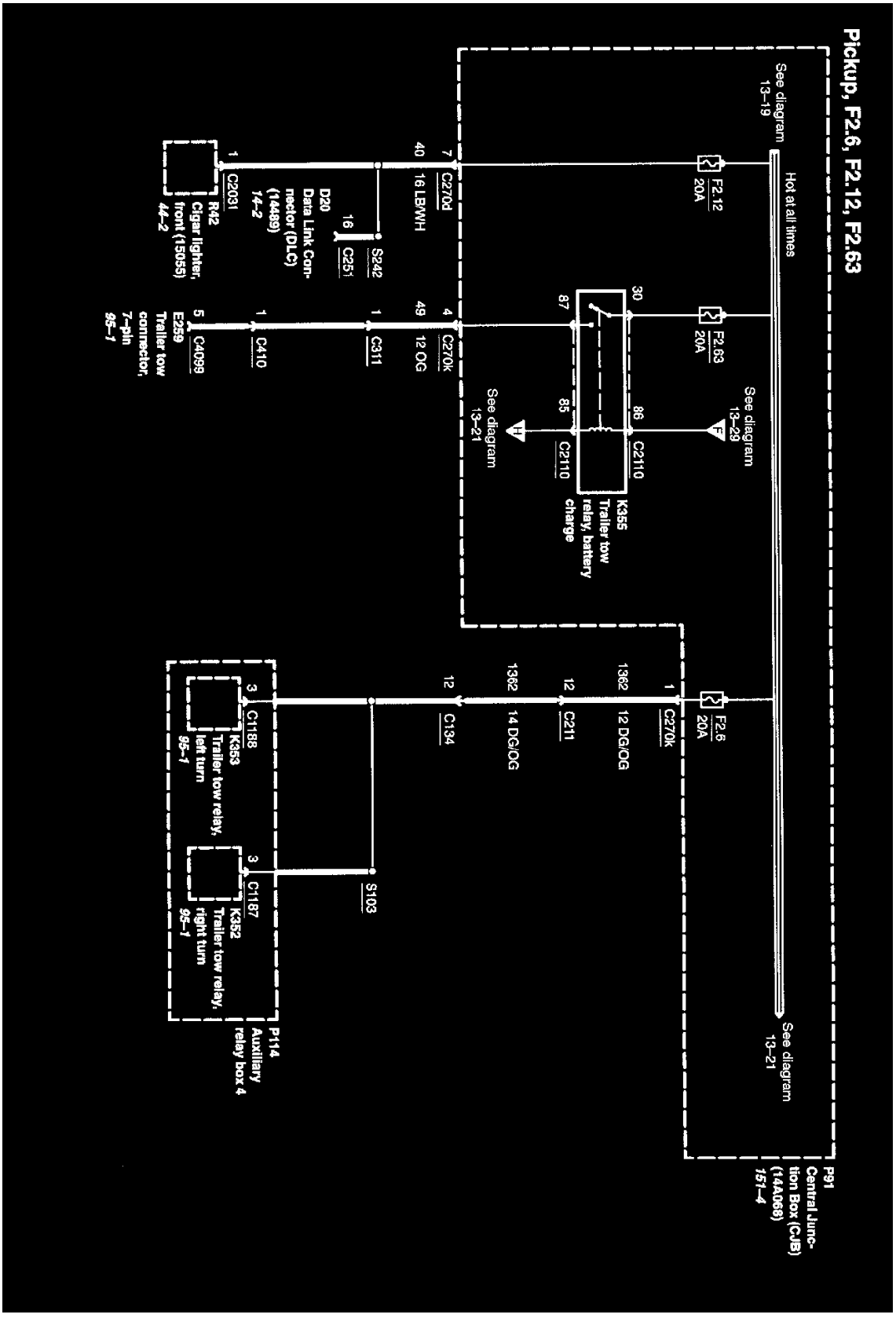


Diagram 13-20

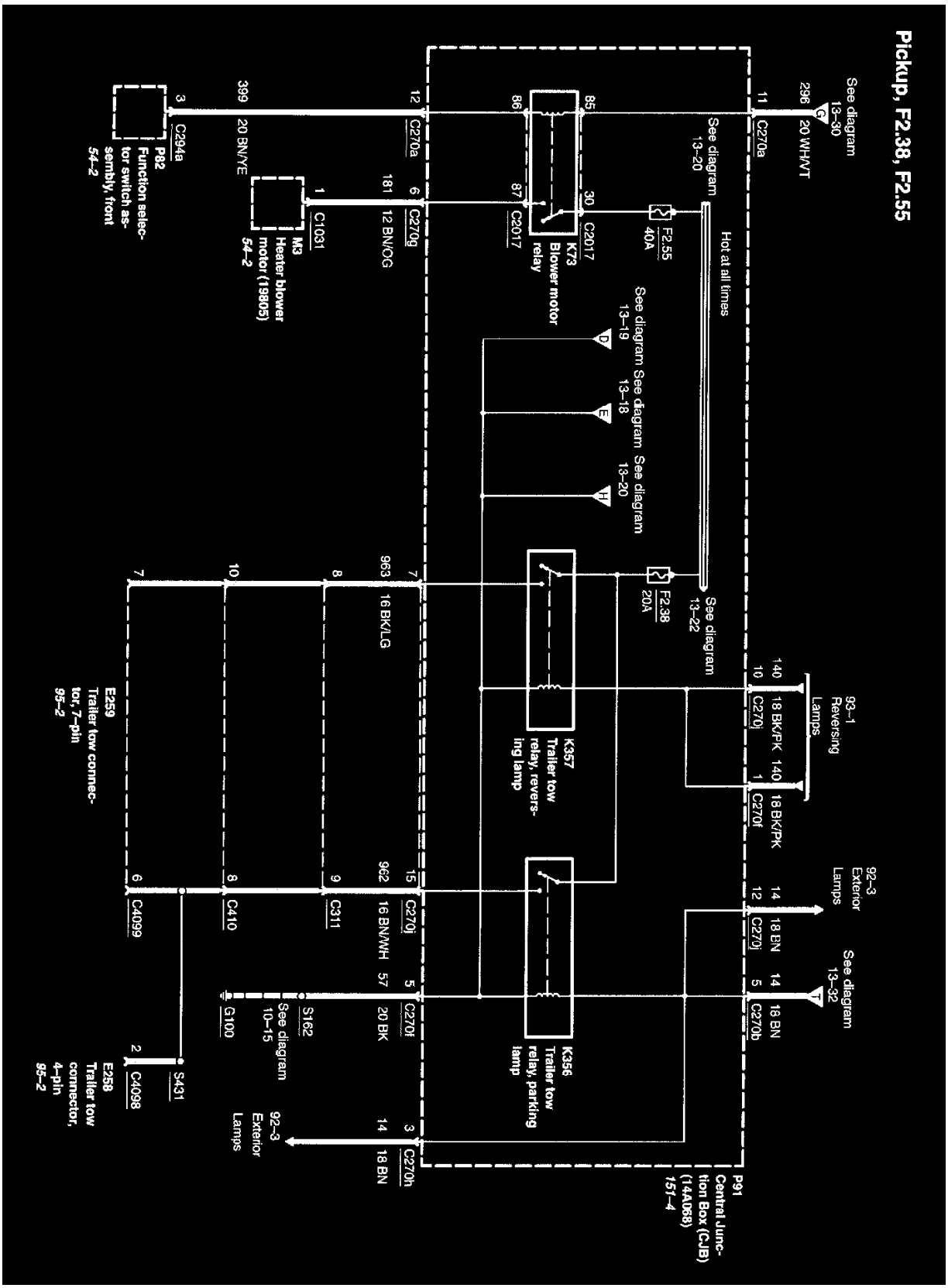


Diagram 13-21

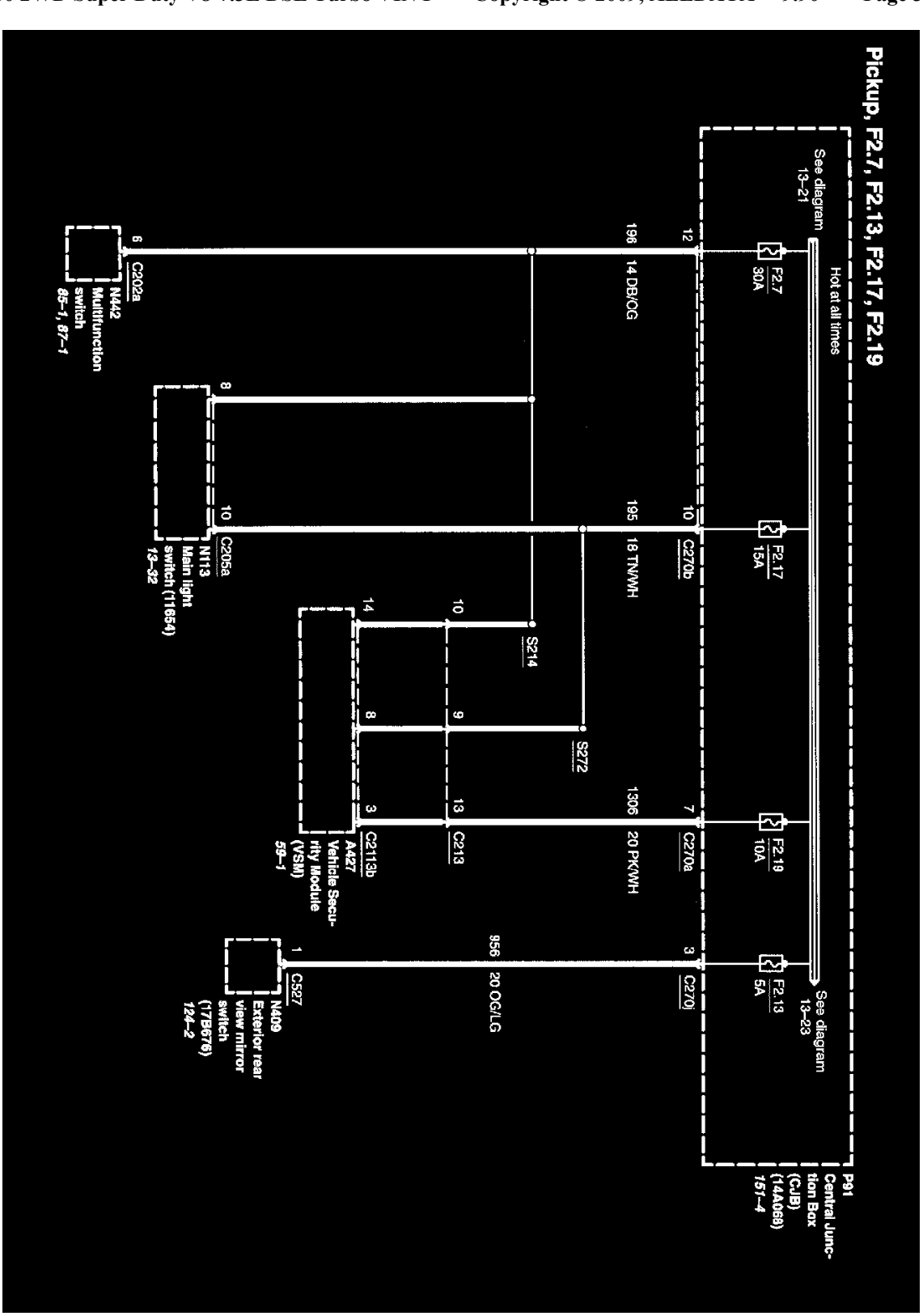


Diagram 13-22

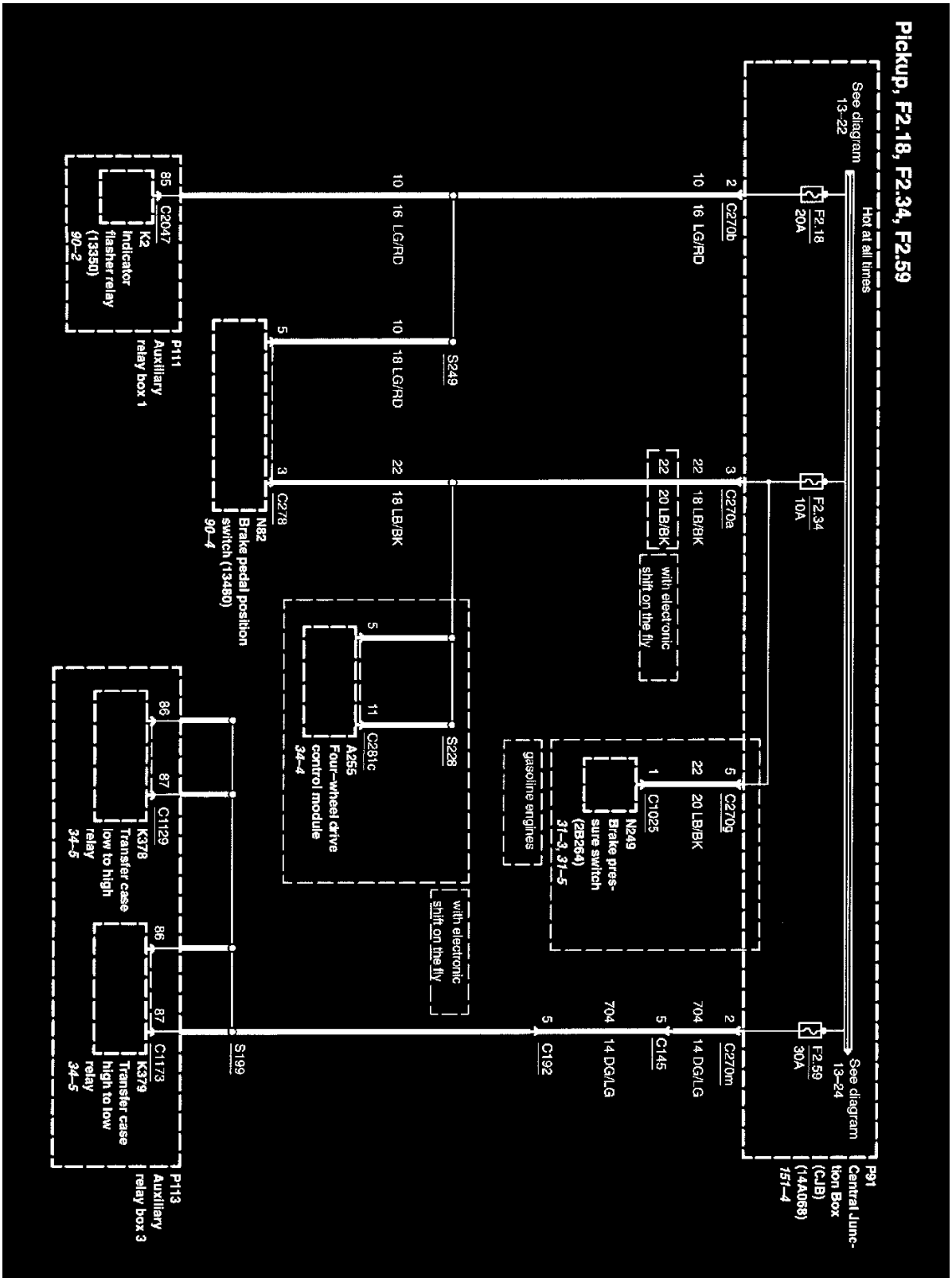


Diagram 13-23

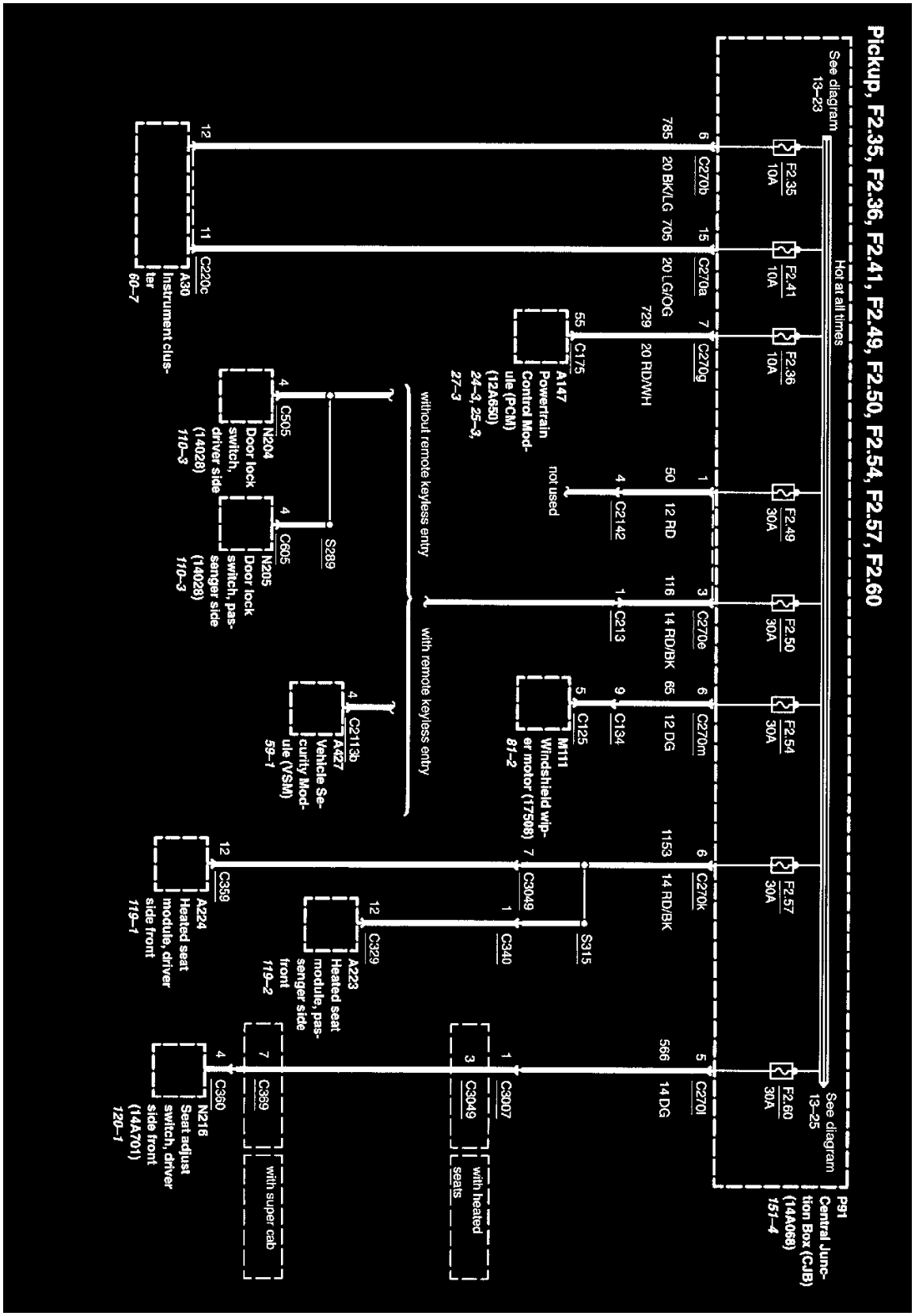


Diagram 13-24

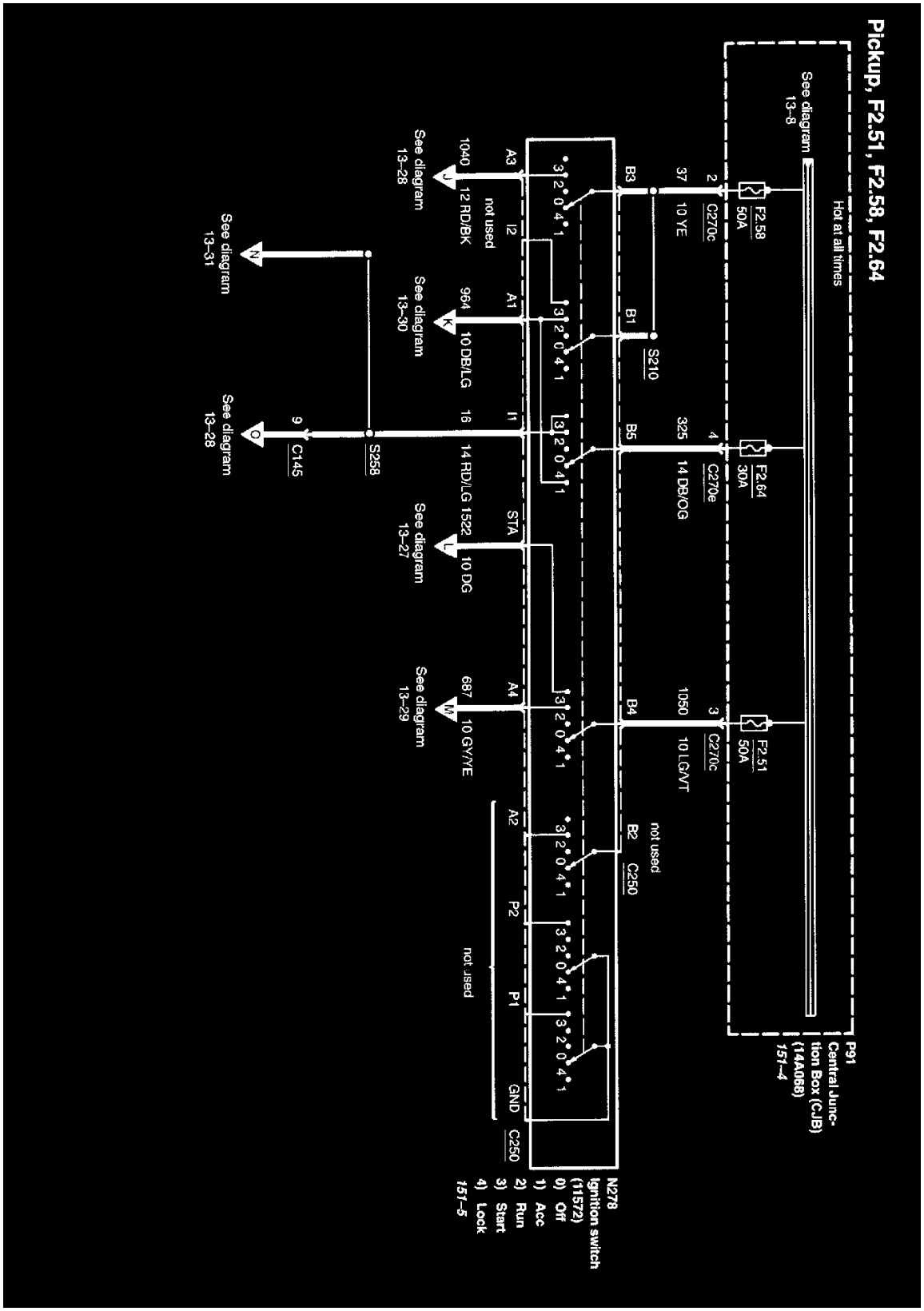


Diagram 13-25

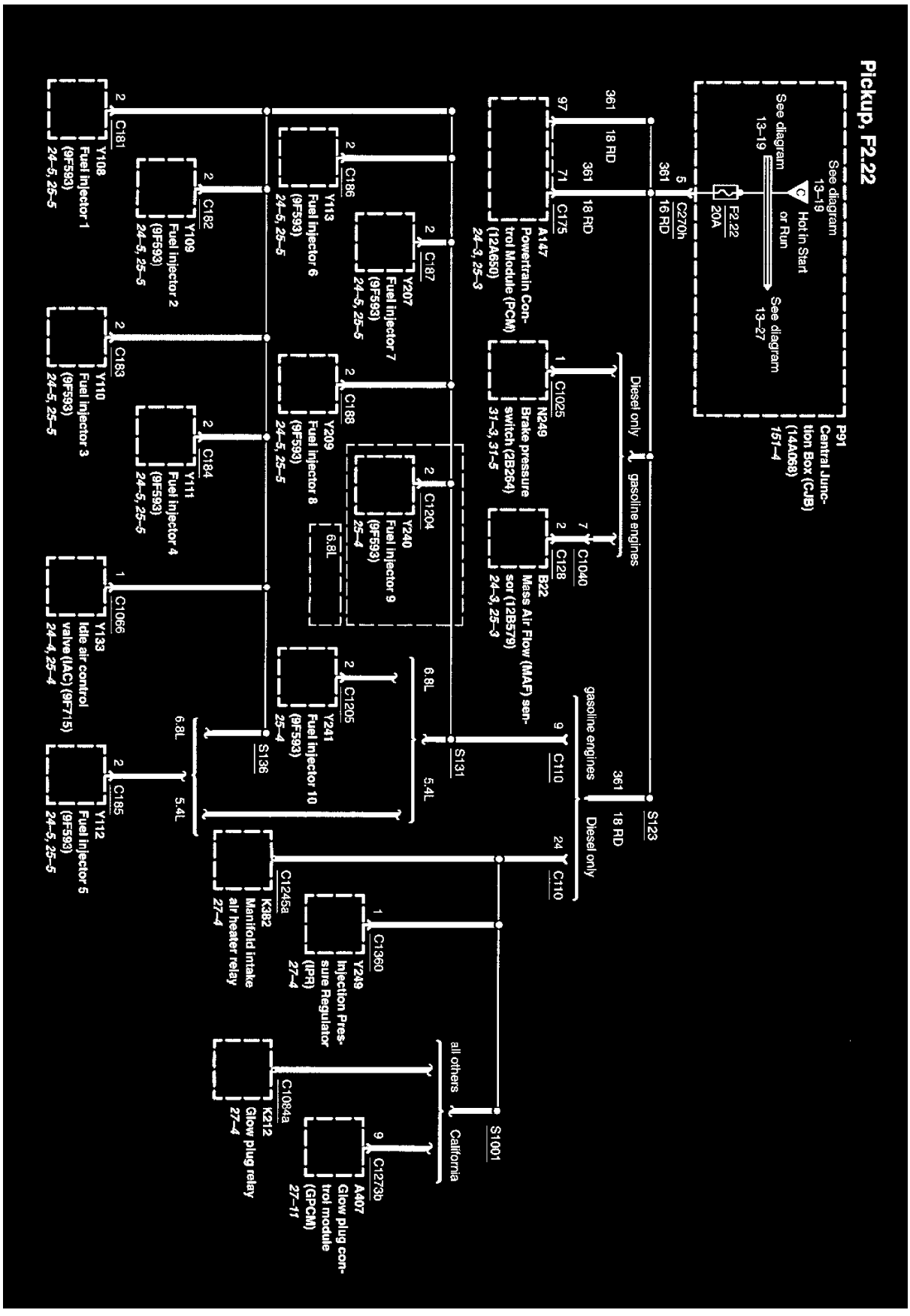


Diagram 13-26

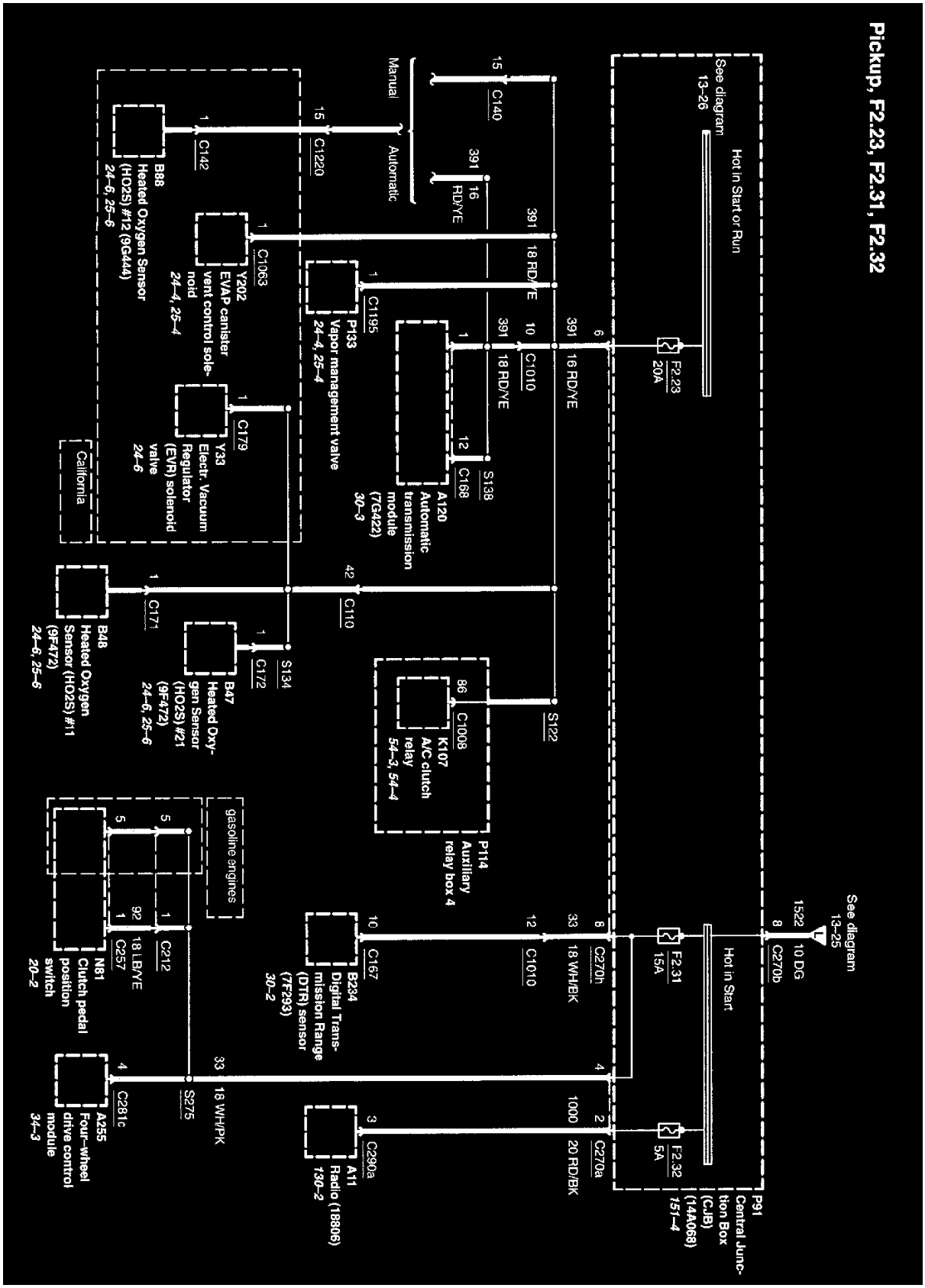


Diagram 13-27

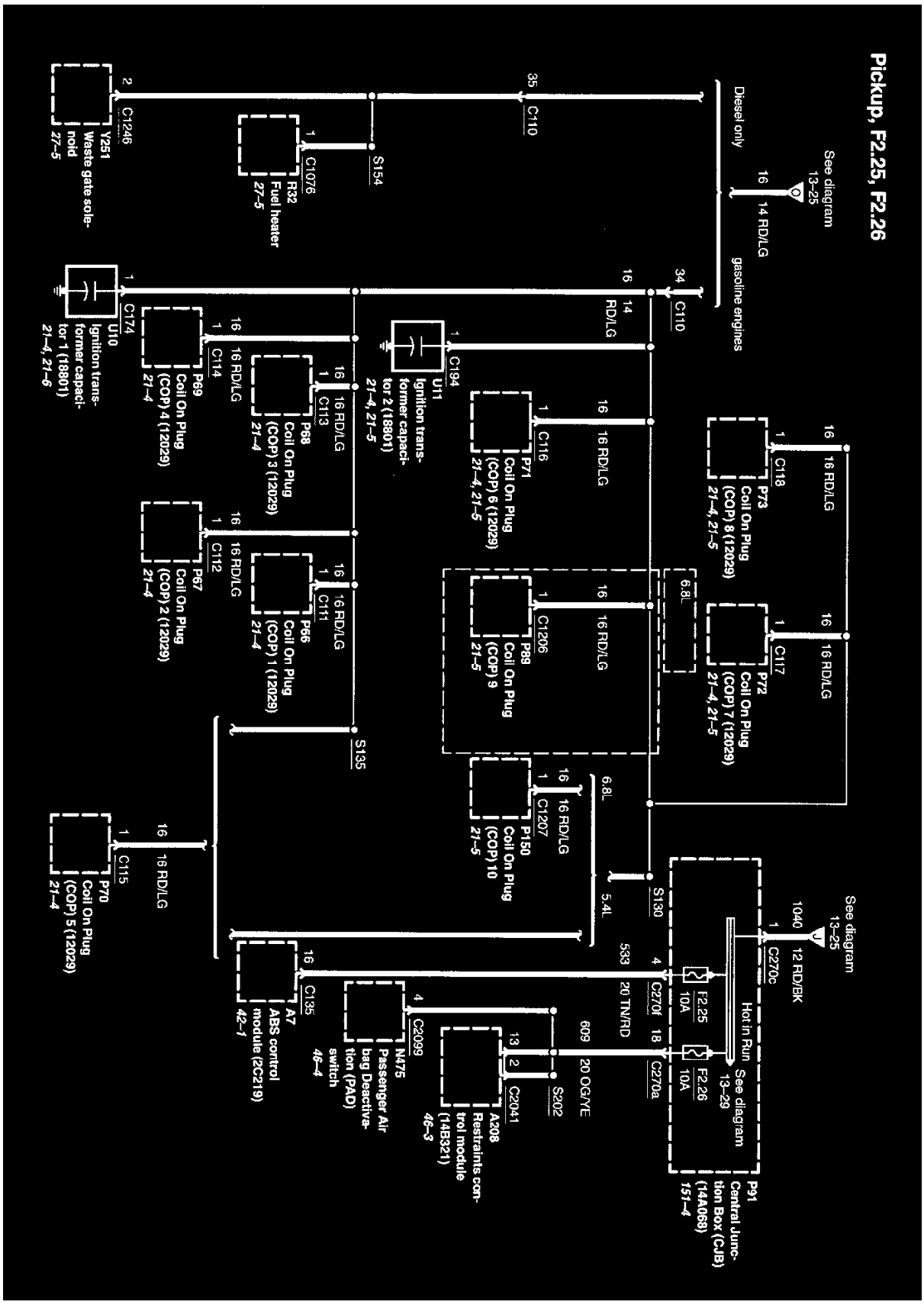


Diagram 13-28

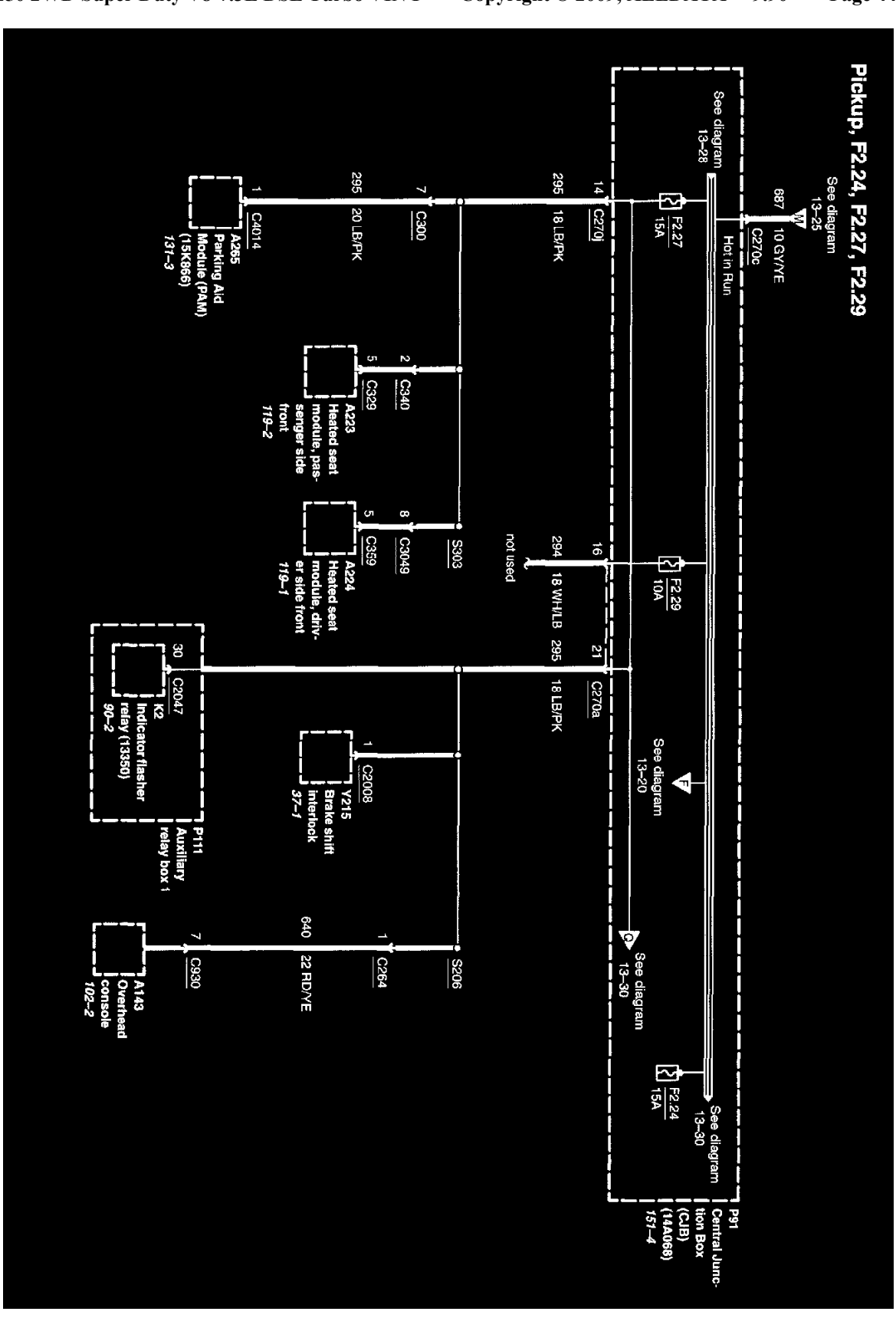


Diagram 13-29

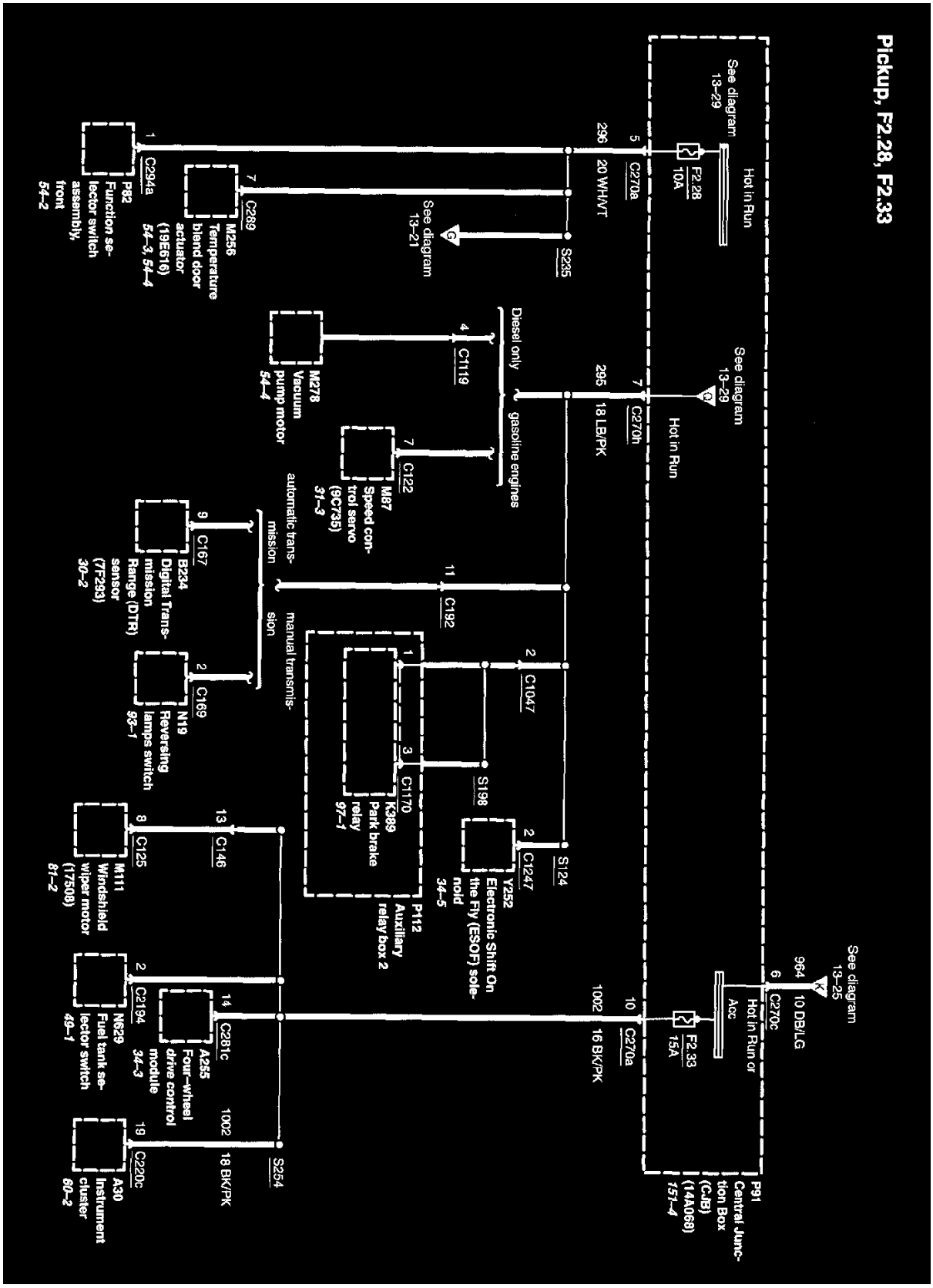


Diagram 13-30

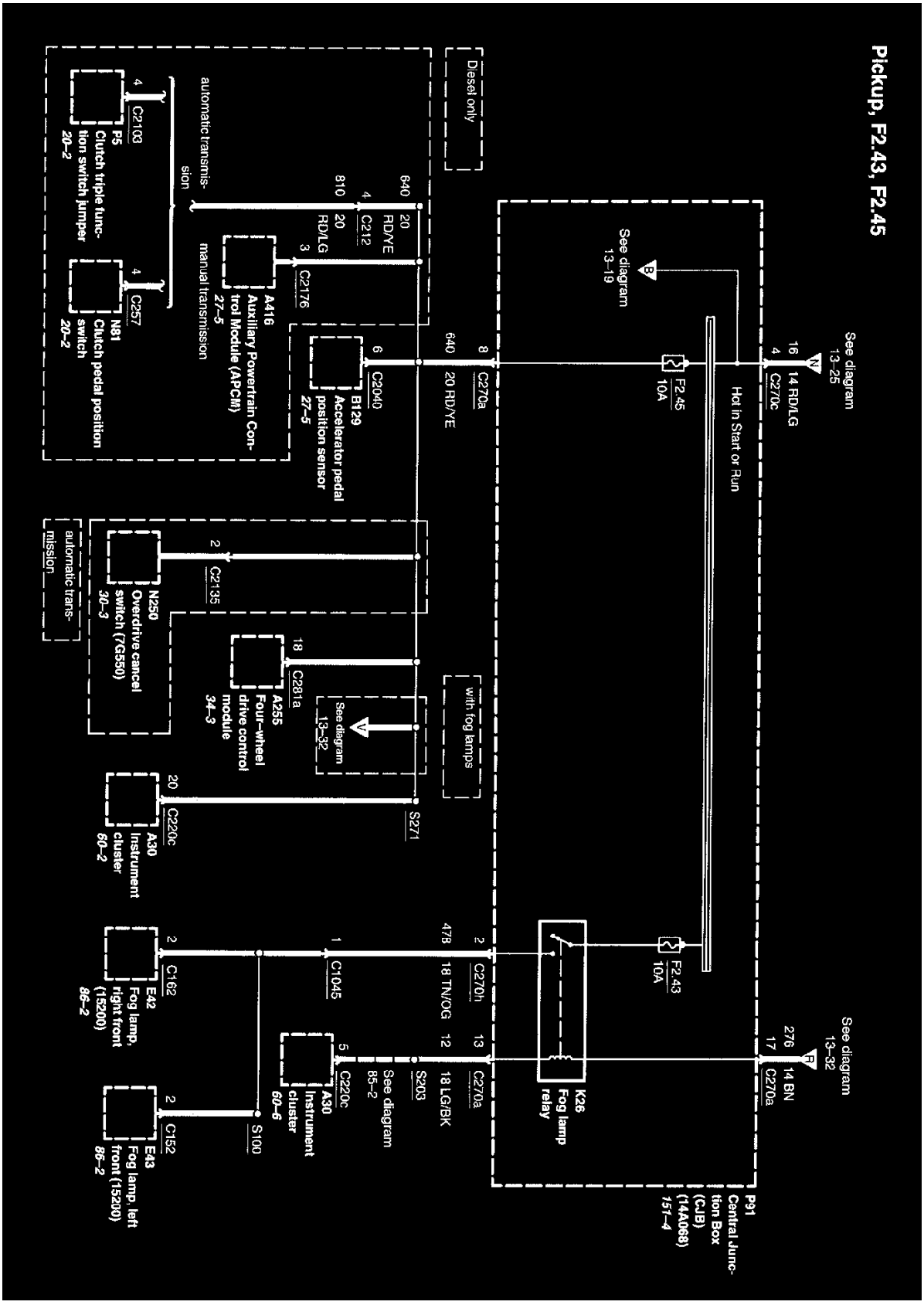


Diagram 13-31

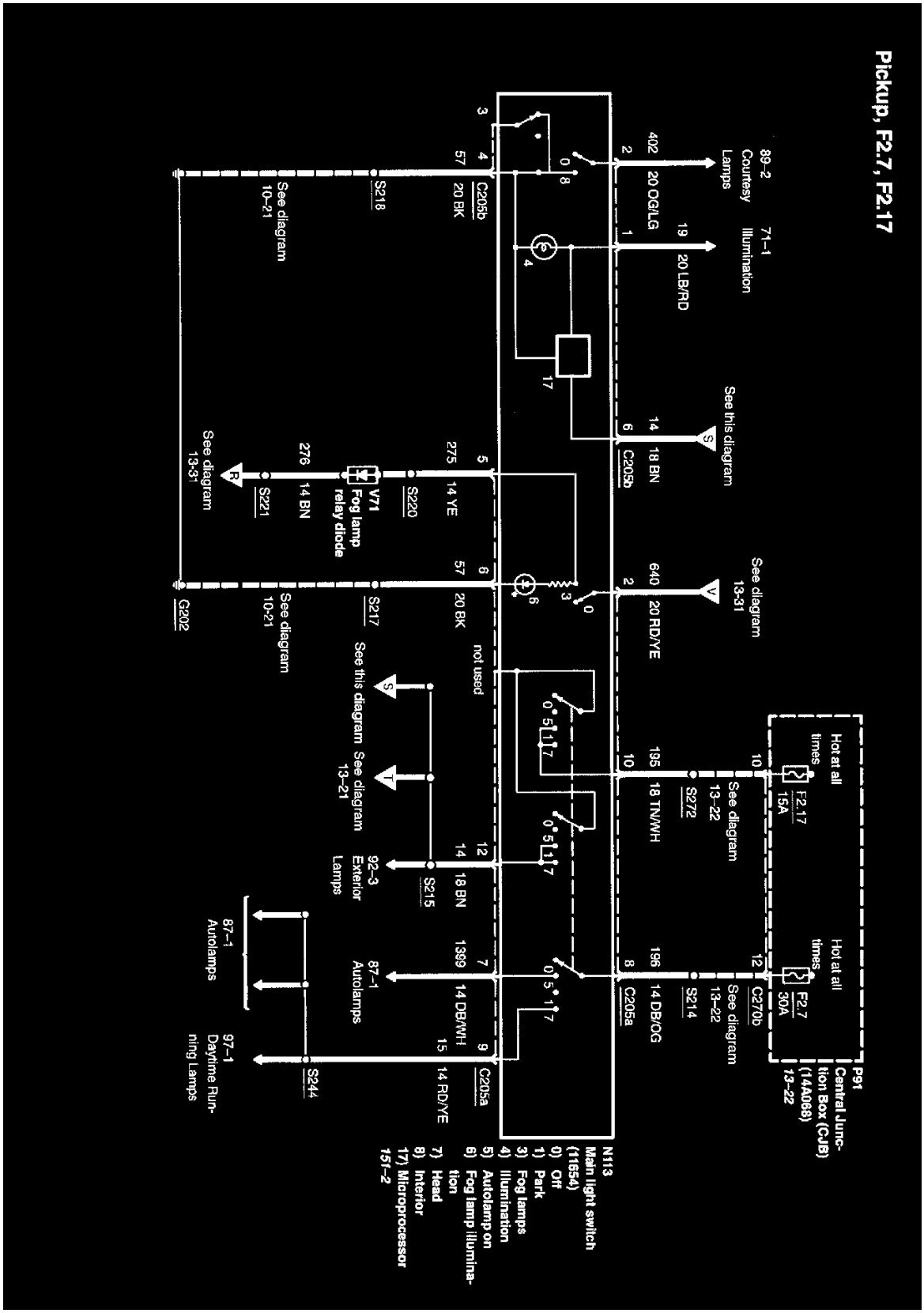


Diagram 13-32

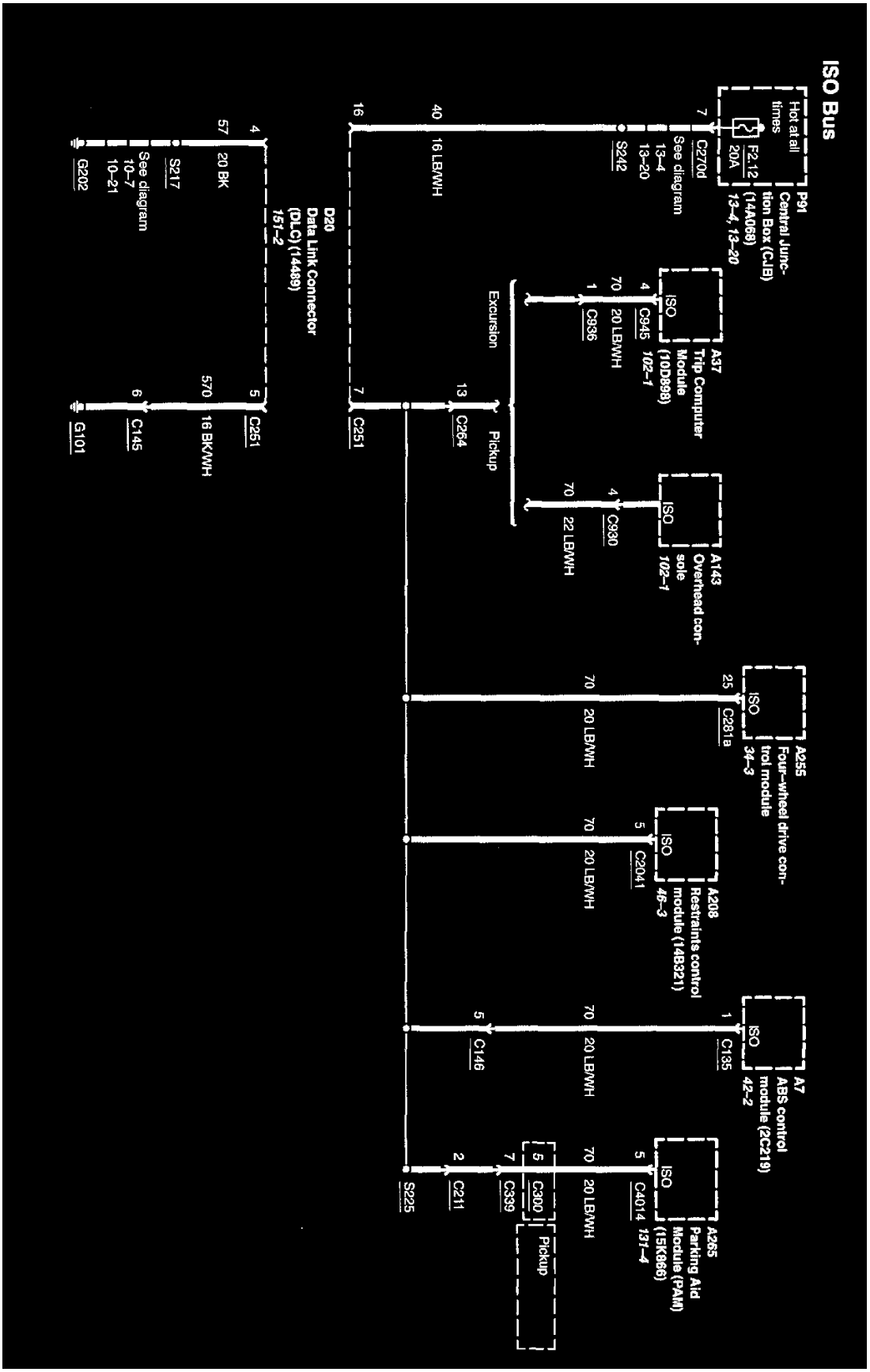

ISO Bus
P91
Central Junction Box (CJB)
Hot at all times
F2.12
20A
(14A068)
13–4, 13–20
C270d
See diagram
13–4
13–20
S242
7
4
70
1
C945
20 LB/WH
C936
A37
Trip Computer Module
(10D898)
102–1
ISO
Excursion
Pickup
13
C264
16 LB/WH
40
16
C251
D20
Data Link Connector (DLC) (14489)
151–2
4
57
20 BK
S217
See diagram
10–7
10–21
G202
5
570
16 BK/WH
C145
6
G101
A143
Overhead console
102–1
C930
22 LB/WH
A255
Four–wheel drive control module
34–3
25
C281a
A208
Restraints control module (14B321)
46–3
C2041
A7
ABS control module (2C219)
42–2
1
C135
C146
A365
Parking Aid Module (PAM)
(15K866)
C4014
131–4
C339
C300
C211
2
S225

Diagram 14-2

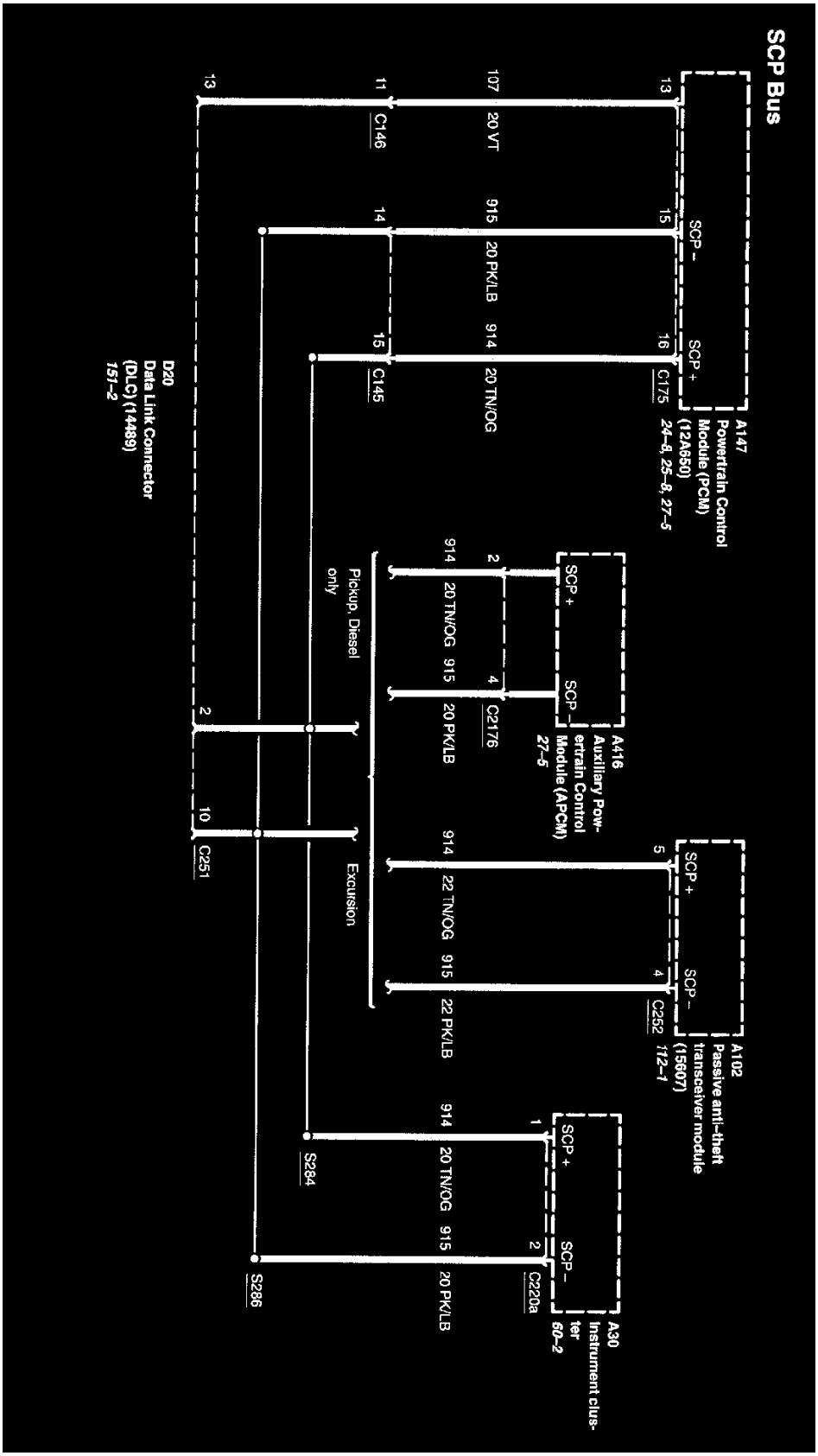

SCP Bus
A147
Powertrain Control
Module (PCM)
(12A650)
24–4, 25–8, 27–5
SCP –
SCP +
13
15
16
C175
107
20 VT
915
20 PK/LB
914
20 TN/OG
11
C146
14
15
C145
13
D20
Data Link Connector
(DLC) (14489)
151–2
A102
Passive anti–theft
transceiver module
(15607)
112–1
5
4
C252
914
22 TN/OG
915
22 PK/LB
A416
Auxiliary Pow-
ertrain Control
Module (APCM)
27–5
2
4
C2176
914
20 TN/OG
915
20 PK/LB
Pickup, Diesel
only
Excursion
2
10
C251
A30
Instrument clus-
ter
60–2
1
2
C220a
914
20 TN/OG
915
20 PK/LB
S284
S286

Diagram 14-3

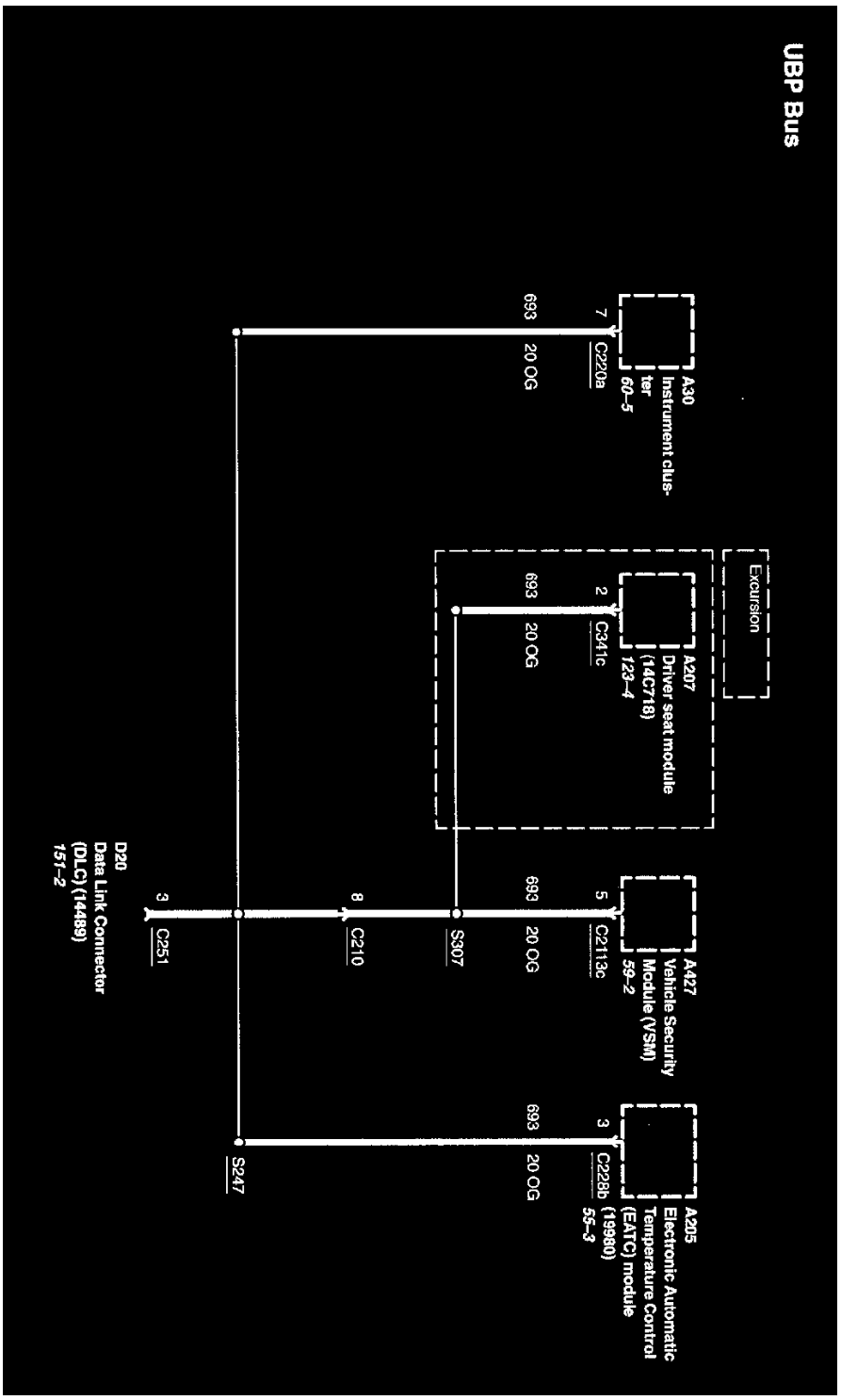

UBP Bus
A30
Instrument cluster
60-5
7
C220a
693
20 OG
Excursion
A207
Driver seat module
(14C718)
123-4
2
C341c
693
20 OG
S307
A427
Vehicle Security
Module (VSM)
59-2
5
C2113c
693
20 OG
A205
Electronic Automatic
Temperature Control
(EATC) module
(19980)
55-2
3
C228b
693
20 OG
S247
8
C210
3
C251
D20
Data Link Connector
(DLC) (14489)
151-2

Diagram 14-4

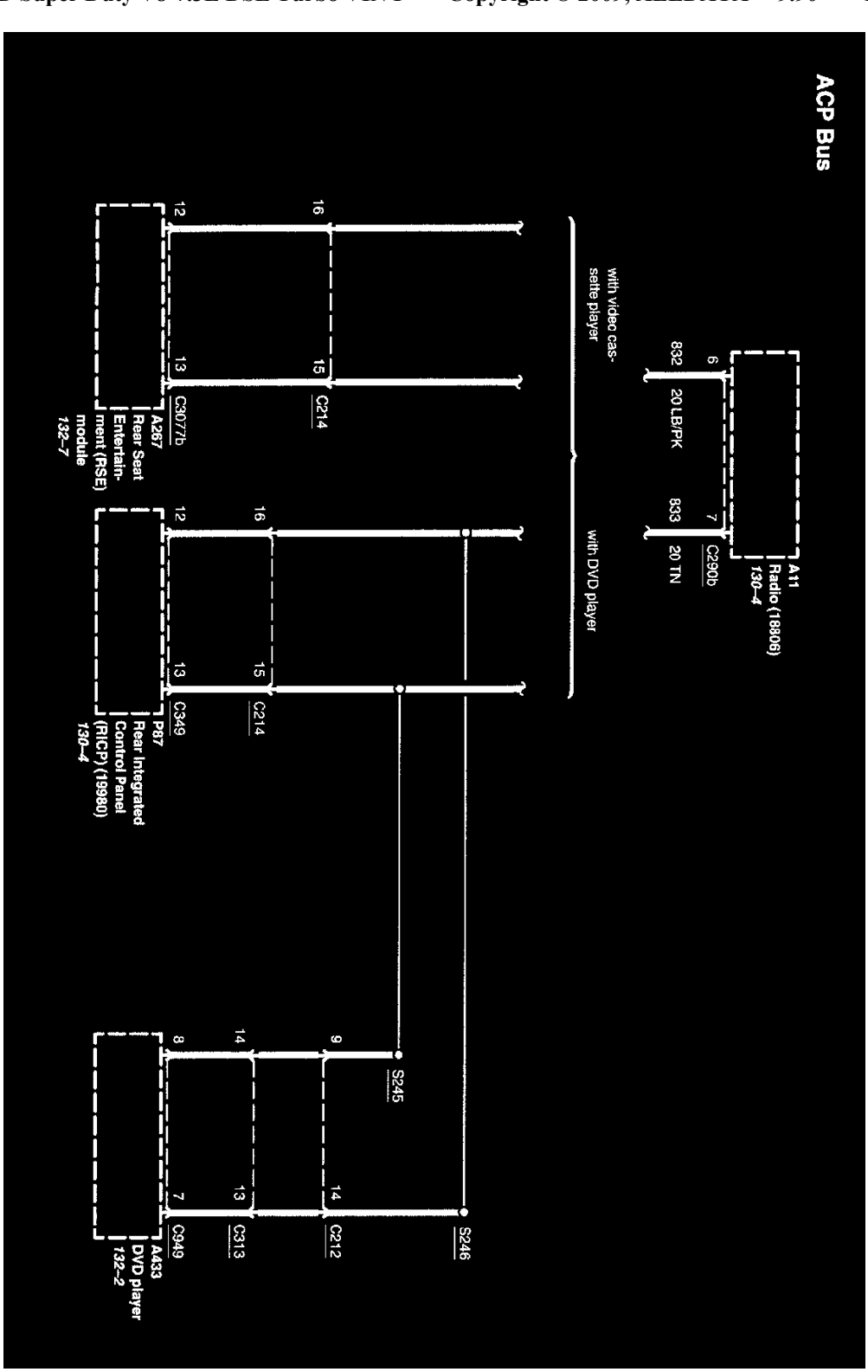

ACP Bus
A11
Radio (18806)
130–4
6
7
C290b
832
20 LB/PK
833
20 TN
with video cassette player
with DVD player
16
12
13
15
C214
C3077b
A267
Rear Seat Entertainment (RSE) module
132–7
16
12
13
15
C214
C349
P87
Rear Integrated Control Panel (RICP) (19960)
130–4
S245
S246
9
14
C212
14
8
13
7
C313
C949
A433
DVD player
132–2

Diagram 14-5

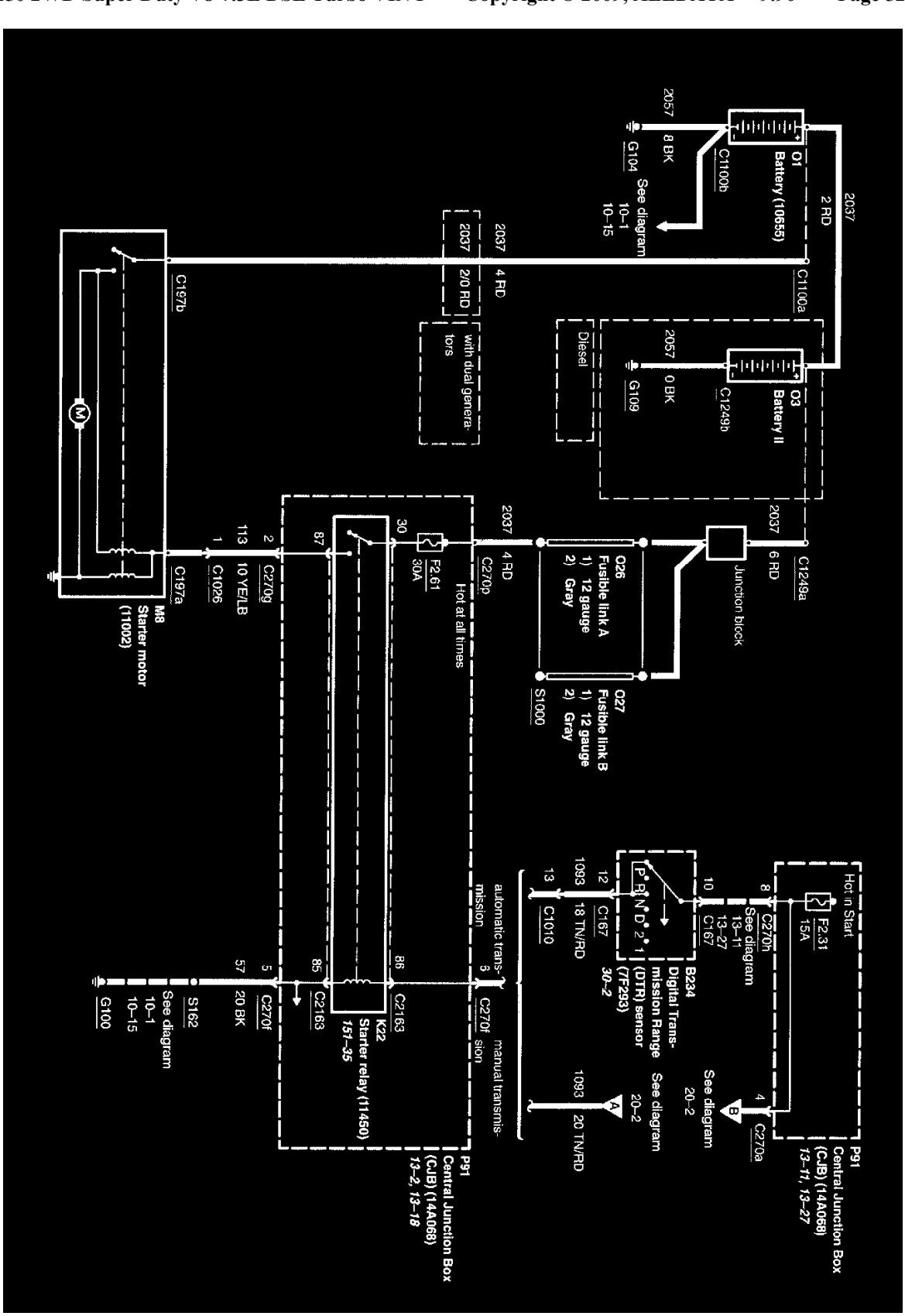

Q1
Battery (10655)
C1100b
2057
8 BK
G104
See diagram
10–1
10–15
2037
2 RD
C1100a
Q3
Battery II
C1249b
2057
0 BK
G109
Diesel
with dual generators
2037
2/0 RD
2037
4 RD
C197b
M8
Starter motor
(11002)
C197a
C1026
113
10 YE/LB
C270g
2
87
30
F2.61
30A
Hot at all times
C270p
2037
4 RD
C1249a
6 RD
Junction block
2037
Q26
Fusible link A
1) 12 gauge
2) Gray
Q27
Fusible link B
1) 12 gauge
2) Gray
S1000
Hot in Start
F2.31
15A
C270h
See diagram
13–11
13–27
C167
10
8
C270a
4
See diagram
20–2
B234
Digital Transmission Range (DTR) sensor (7F293)
See diagram
20–2
P R N D 2 1
12
1093
C167
18 TN/RD
13
C1010
1093
20 TN/RD
automatic transmission
manual transmission
6
1
C270f
5
57
20 BK
S162
See diagram
10–1
10–15
G100
86
85
C2163
K22
Starter relay (11450)
151–35
C2163
P91
Central Junction Box
(CJB) (14A068)
13–2, 13–18
P91
Central Junction Box
(CJB) (14A068)
13–11, 13–27

Diagram 20-1

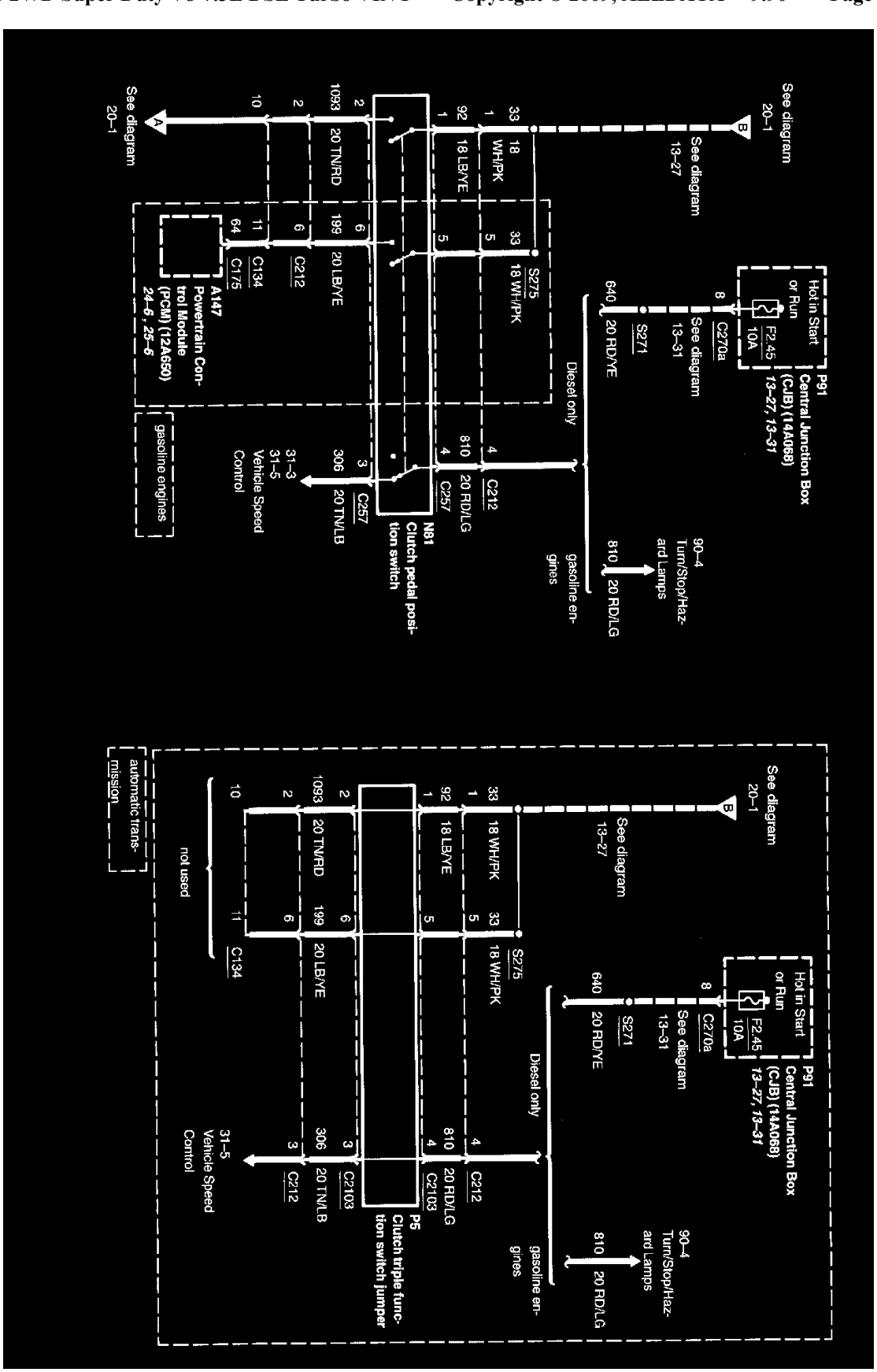

See diagram 20–1
B
See diagram 13–27
P91 Central Junction Box (CJB) (14A068) 13–27, 13–31
Hot in Start or Run
F2.45 10A
8
C270a
See diagram 13–31
S271
640
20 RD/YE
Diesel only
gasoline engines
90–4 Turn/Stop/Hazard Lamps
810
20 RD/LG
33
18 WH/PK
S275
18 WH/PK
1
92
18 LB/YE
5
C212
4
810
20 RD/LG
C257
4
N81 Clutch pedal position switch
2
1093
20 TN/RD
6
199
20 LB/YE
C257
3
306
20 TN/LB
31–3 31–5 Vehicle Speed Control
2
2
C212
6
C134
10
11
64
C175
A147 Powertrain Control Module (PCM) (12A650) 24–6, 25–6
A
See diagram 20–1
gasoline engines
See diagram 20–1
B
See diagram 13–27
Diesel only
gasoline engines
P91 Central Junction Box (CJB) (14A068) 13–27, 13–31
Hot in Start or Run
F2.45 10A
8
C270a
See diagram 13–31
S271
640
20 RD/YE
90–4 Turn/Stop/Hazard Lamps
810
20 RD/LG
33
18 WH/PK
S275
18 WH/PK
1
92
18 LB/YE
5
C212
4
810
20 RD/LG
C2103
4
P5 Clutch triple function switch jumper
2
1093
20 TN/RD
6
199
20 LB/YE
C2103
3
306
20 TN/LB
31–5 Vehicle Speed Control
2
2
C212
6
C134
10
11
not used
automatic transmission

Diagram 20-2

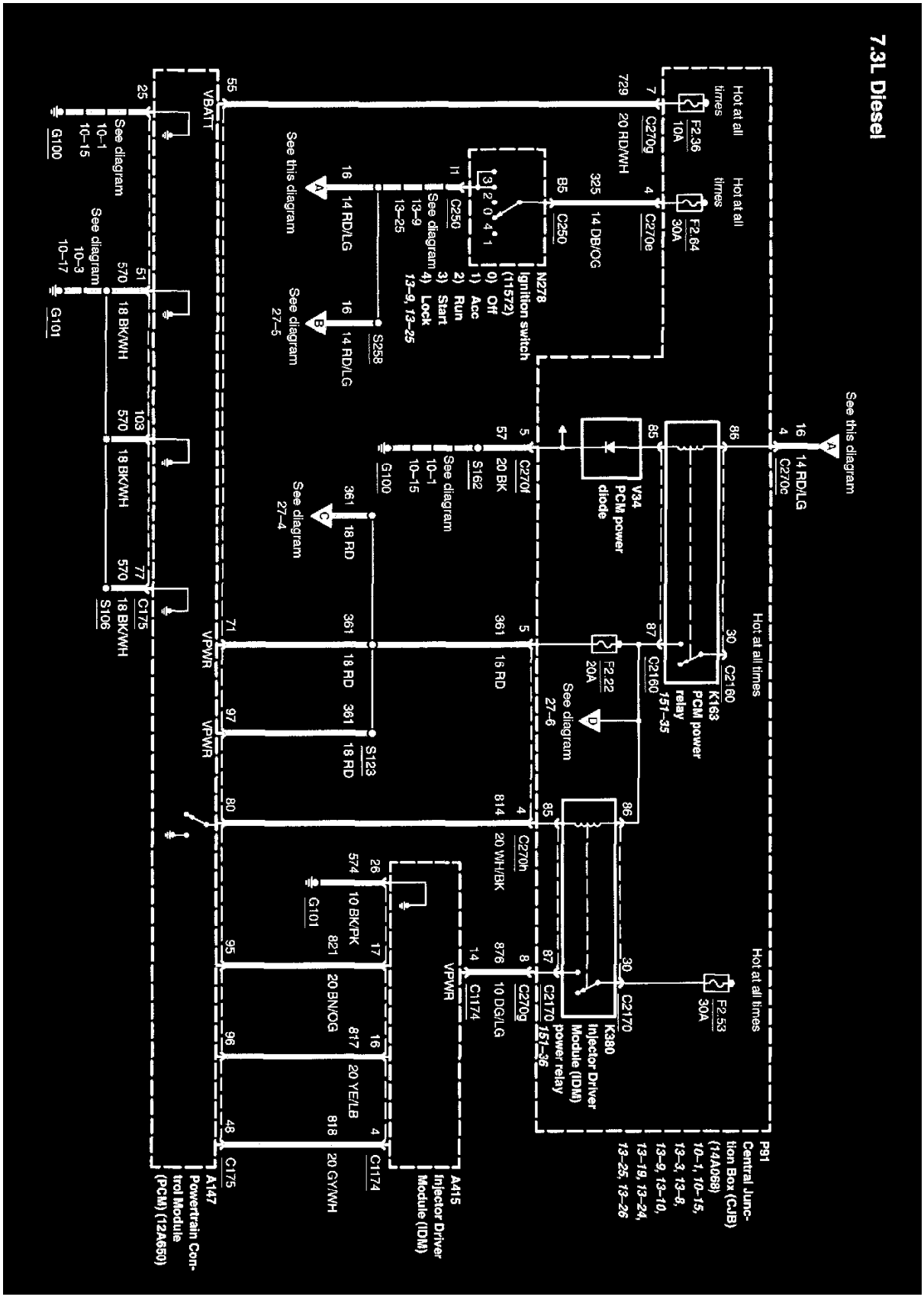

7.3L Diesel
See this diagram
16
4
A
14 RD/LG
C270c
Hot at all times
Hot at all times
F2.36
10A
F2.64
30A
7
729
C270g
4
20 RD/WH
325
C270e
14 DB/OG
B5
C250
N278
Ignition switch
(11572)
0) Off
1) Acc
2) Run
3) Start
4) Lock
13–9, 13–25
3
2
0
4
1
11
C250
See diagram 13–9 13–25
16
14 RD/LG
S258
See this diagram
A
B
See diagram 27–5
16
14 RD/LG
55
VBATT
25
See diagram 10–1 10–15
G100
See diagram 10–3 10–17
G101
51
570
18 BK/WH
103
570
18 BK/WH
77
570
18 BK/WH
C175
S106
Hot at all times
86
85
V34
PCM power diode
30
C2160
K163
PCM power relay
151–35
87
C2160
F2.22
20A
D
See diagram 27–6
Hot at all times
F2.53
30A
30
C2170
K380
Injector Driver Module (IDM) power relay
151–36
87
C2170
86
85
5
57
C270f
20 BK
S162
See diagram 10–1 10–15
G100
361
18 RD
C
See diagram 27–4
5
361
18 RD
4
814
C270h
20 WH/BK
26
574
10 BK/PK
G101
821
20 BN/OG
17
16
817
20 YE/LB
818
4
C1174
20 GY/WH
A415
Injector Driver Module (IDM)
8
876
C270g
10 DG/LG
14
C1174
VPWR
95
96
48
C175
A147
Powertrain Control Module (PCM) (12A650)
71
VPWR
97
VPWR
80
361
18 RD
361
18 RD
S123
P91
Central Junction Box (CJB)
(14A068)
10–1, 10–15, 13–3, 13–8, 13–9, 13–10, 13–18, 13–24, 13–25, 13–26

Diagram 27-3

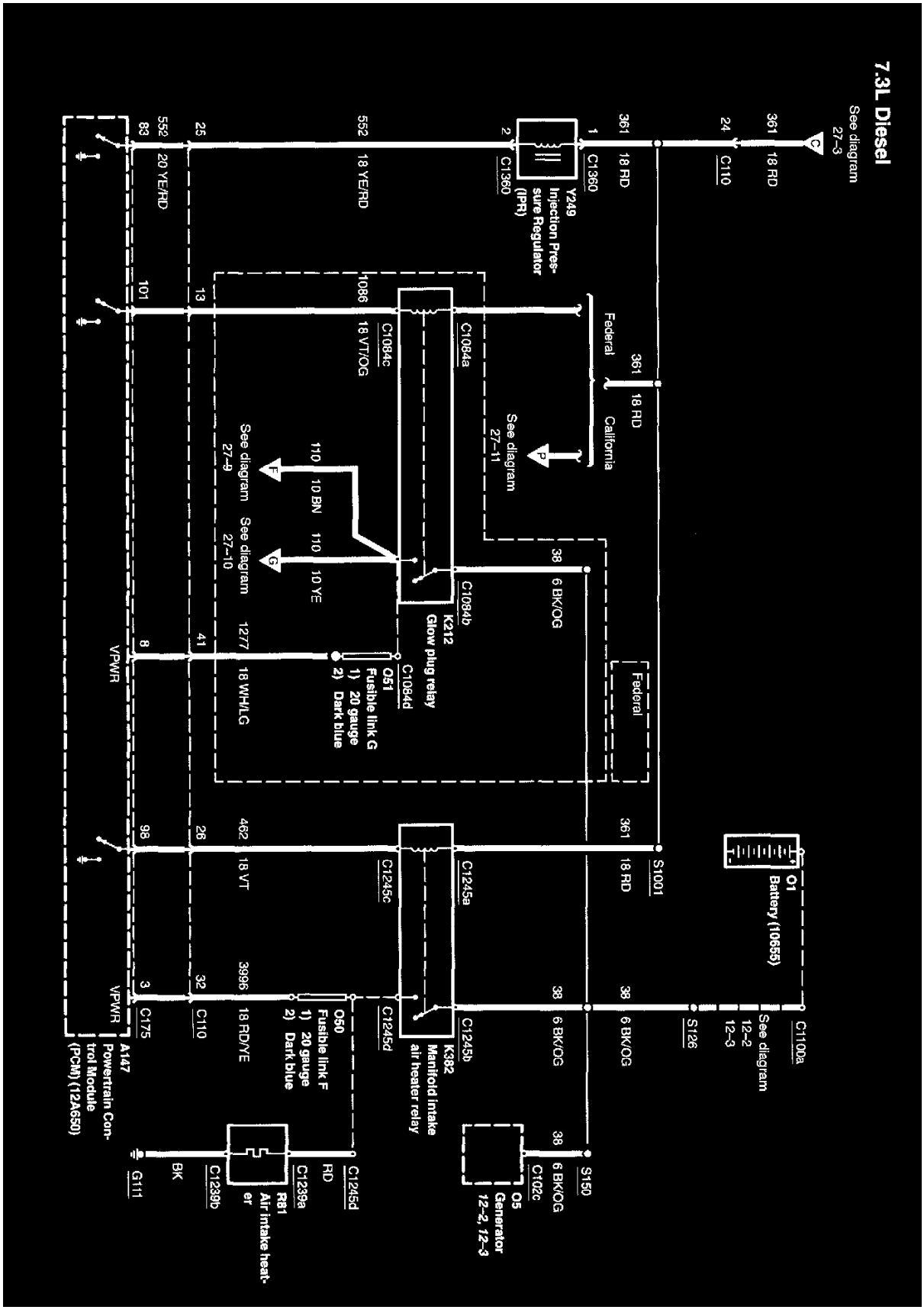

7.3L Diesel
See diagram 27–3
361 18 RD
24 C110
361 18 RD
1 C1360
2 C1360
Y249 Injection Pressure Regulator (IPR)
552 18 YE/RD
25
552 20 YE/RD
83
101
13
1086 18 VT/OG
C1084c
C1084a
C1084b
K212 Glow plug relay
38 6 BK/OG
Federal
361 18 RD
California
See diagram 27–11
See diagram 27–9
110 10 BN
110 10 YE
See diagram 27–10
C1084d
Q51 Fusible link G
1) 20 gauge
2) Dark blue
1277 18 WH/LG
41
8
VPWR
98
26
462 18 VT
C1245c
C1245a
K382 Manifold intake air heater relay
C1245b
C1245d
Q50 Fusible link F
1) 20 gauge
2) Dark blue
3996 18 RD/YE
32
C110
3
C175
A147 Powertrain Control Module (PCM) (12A650)
VPWR
S1001
361 18 RD
38 6 BK/OG
S126
38 6 BK/OG
C1100a
See diagram 12–2 12–3
Q1 Battery (10655)
S150
38 6 BK/OG
C1102c
Q5 Generator 12–2, 12–3
C1245d
RD
C1239a
R81 Air intake heater
C1239b
BK
G111

Diagram 27-4

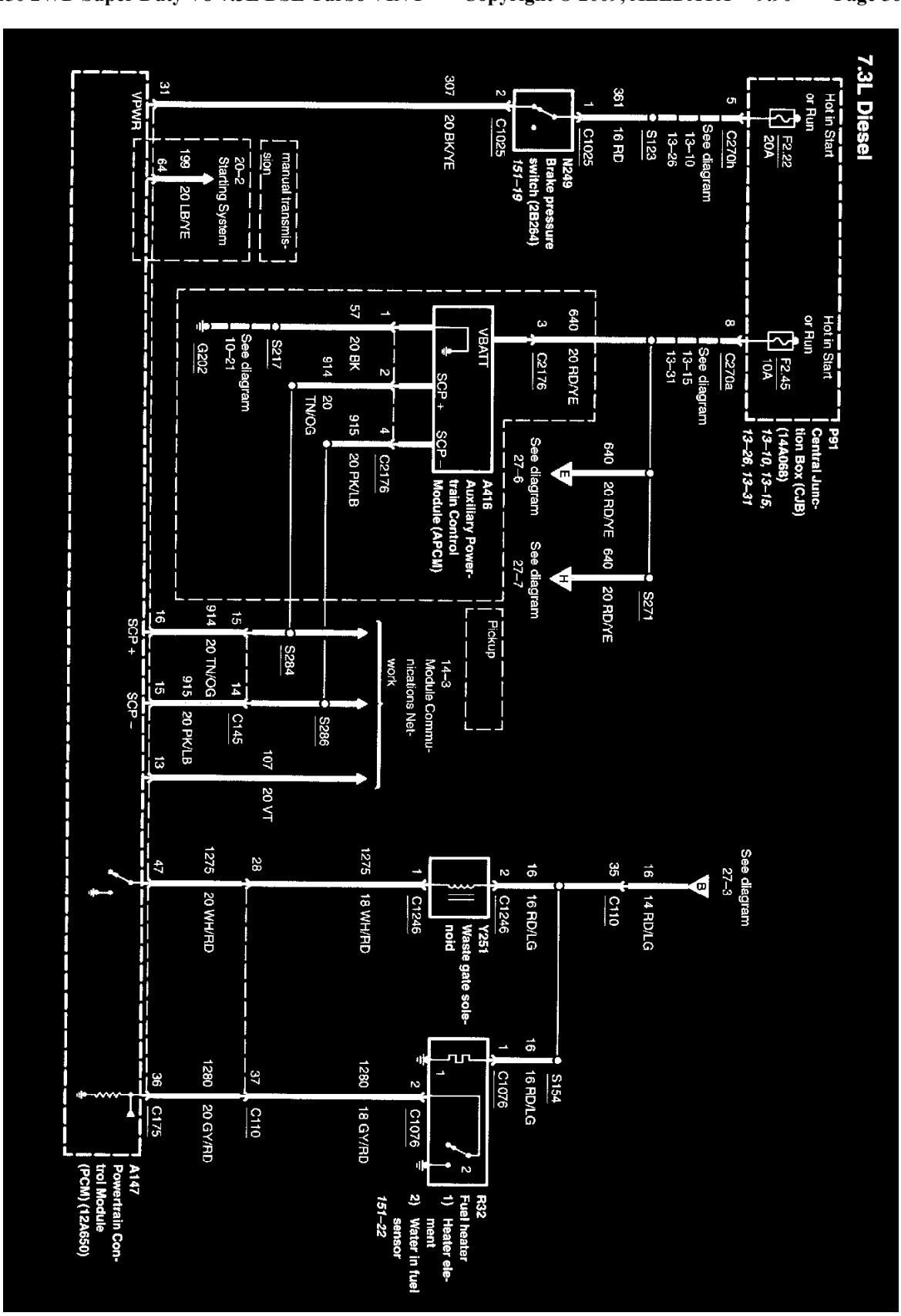

7.3L Diesel
Hot in Start or Run
Hot in Start or Run
P91 Central Junction Box (CJB) (14A068)
13–10, 13–15, 13–26, 13–31
F2.22 20A
F2.45 10A
C270h
C270a
See diagram 13–10
See diagram 13–15
See diagram 13–26
See diagram 13–31
S123
361 16 RD
1
C1025
N249 Brake pressure switch (2B264)
151–19
2
C1025
307 20 BK/YE
31
VPWR
manual transmission
20–2 Starting System
199 20 LB/YE
64
640 20 RD/YE
3
C2176
VBATT
SCP +
SCP –
A416 Auxiliary Power-train Control Module (APCM)
1
57 20 BK
G202
See diagram 10–21
S217
2
914 20 TN/OG
4
915 20 PK/LB
C2176
See diagram 27–6
See diagram 27–7
640 20 RD/YE
S271
Pickup
14–3 Module Communications Network
S284
S286
16
15
914 20 TN/OG
14
C145
915 20 PK/LB
13
107 20 VT
SCP +
SCP –
See diagram 27–3
B
16 14 RD/LG
35
C110
16 16 RD/LG
2
C1246
Y251 Waste gate solenoid
1
C1246
1275 18 WH/RD
1275 20 WH/RD
47
28
16 16 RD/LG
S154
1
C1076
R32 Fuel heater
1) Heater element
2) Water in fuel sensor
151–22
1
2
C1076
1280 18 GY/RD
1280 20 GY/RD
37
C110
36
C175
A147 Powertrain Control Module (PCM) (12A650)

Diagram 27-5

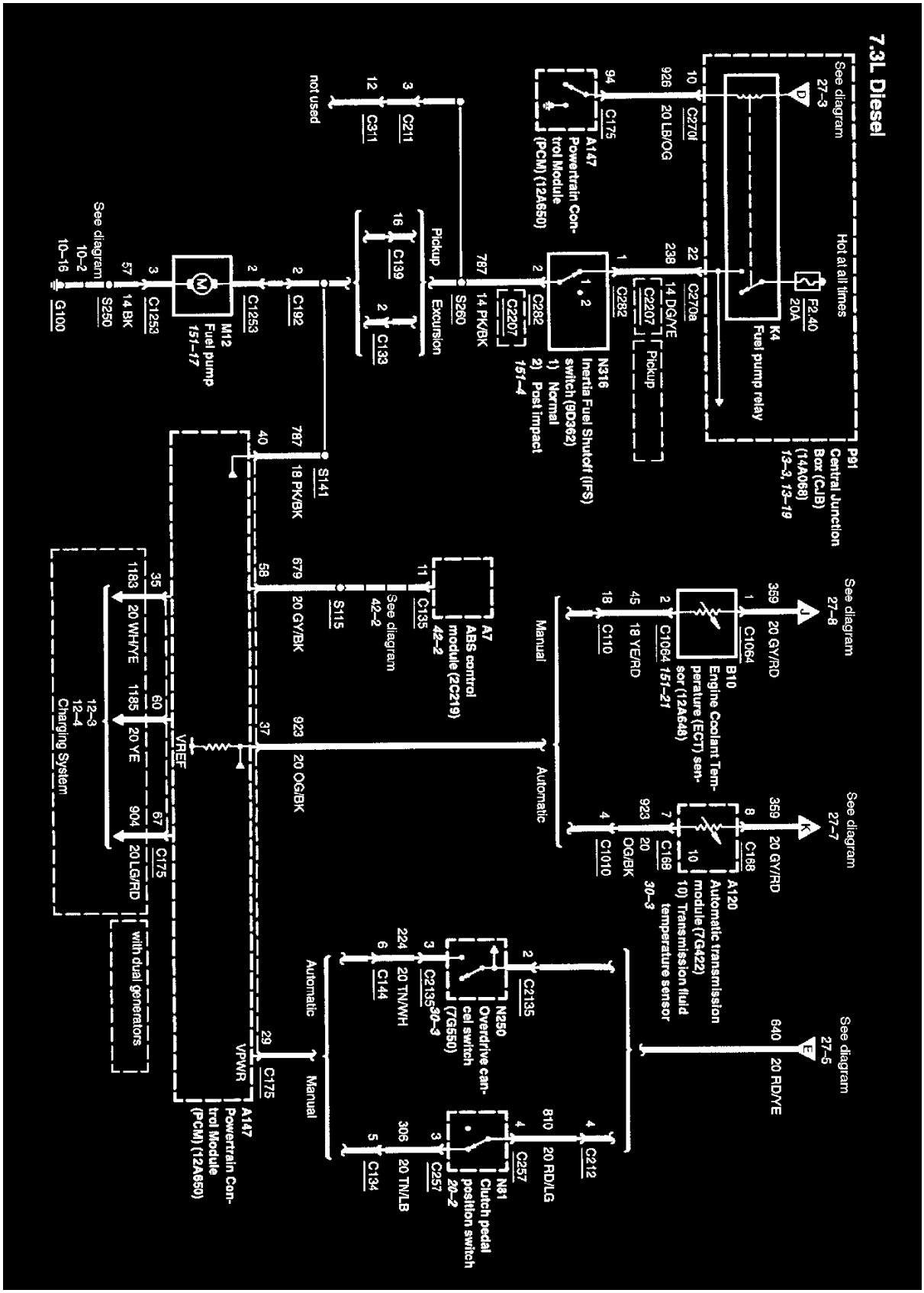

7.3L Diesel
See diagram 27–3
Hot at all times
F2.40 20A
K4 Fuel pump relay
P91 Central Junction Box (CJB) (14A068) 13–3, 13–19
C270f
C270a
20 LB/OG
14 DG/YE
C2207 Pickup
C282
C175
A147 Powertrain Control Module (PCM) (12A650)
N316 Inertia Fuel Shutoff (IFS) switch (9D362) 1) Normal 2) Post impact 151–4
C2282
C2207
14 PK/BK
S260 Excursion
Pickup
C211
C311
not used
C139
C133
C192
C1253
M12 Fuel pump 151–17
14 BK
S250
See diagram 10–2
10–16
G100
S141
18 PK/BK
C135
See diagram 42–2
A7 ABS control module (2C219) 42–2
S115
20 GY/BK
20 OG/BK
Manual
Automatic
See diagram 27–8
C1064
B10 Engine Coolant Temperature (ECT) sensor (12A648) 151–21
C110
18 YE/RD
See diagram 27–7
C168
A120 Automatic transmission module (7G422) 10) Transmission fluid temperature sensor 30–3
C1010
20 OG/BK
See diagram 27–5
20 RD/YE
C2135
N250 Overdrive cancel switch (7G550) 30–3
C2135
C144
20 TN/WH
C212
20 RD/LG
C257
N81 Clutch pedal position switch 20–2
20 TN/LB
C134
Automatic
Manual
C175
VPWR
A147 Powertrain Control Module (PCM) (12A650)
VREF
20 WH/YE
20 YE
20 LG/RD
with dual generators
12–3
12–4
Charging System

Diagram 27-6

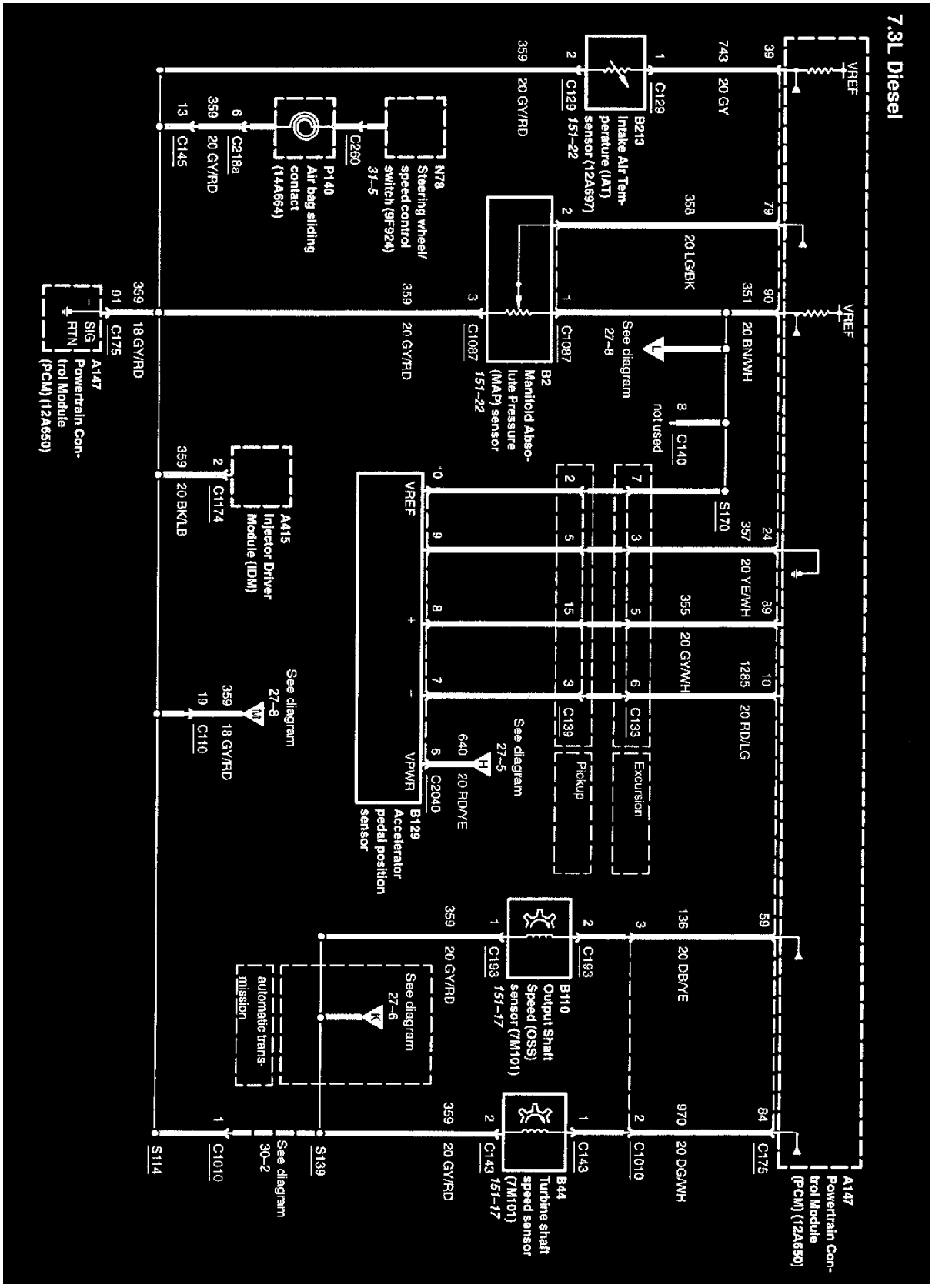

7.3L Diesel
VREF
A147 Powertrain Control Module (PCM) (12A650)
C175
B213 Intake Air Temperature (IAT) sensor (12A697)
C129 151-22
See diagram 27-8
not used
C140
S170
B2 Manifold Absolute Pressure (MAP) sensor
C1087 151-22
Steering wheel/ speed control switch (9F924) 31-5
C260
P140 Air bag sliding contact (14A664)
C218a
C145
SIG RTN
A147 Powertrain Control Module (PCM) (12A650)
C175
A415 Injector Driver Module (IDM)
C1174
C110
See diagram 27-8
See diagram 27-5
B129 Accelerator pedal position sensor
VPWR
C2040
Pickup
Excursion
C133
C139
B110 Output Shaft Speed (OSS) sensor (7M101)
C193 151-17
See diagram 27-6
automatic transmission
B44 Turbine shaft speed sensor (7M101)
C143 151-17
C1010
See diagram 30-2
S139
S114

Diagram 27-7

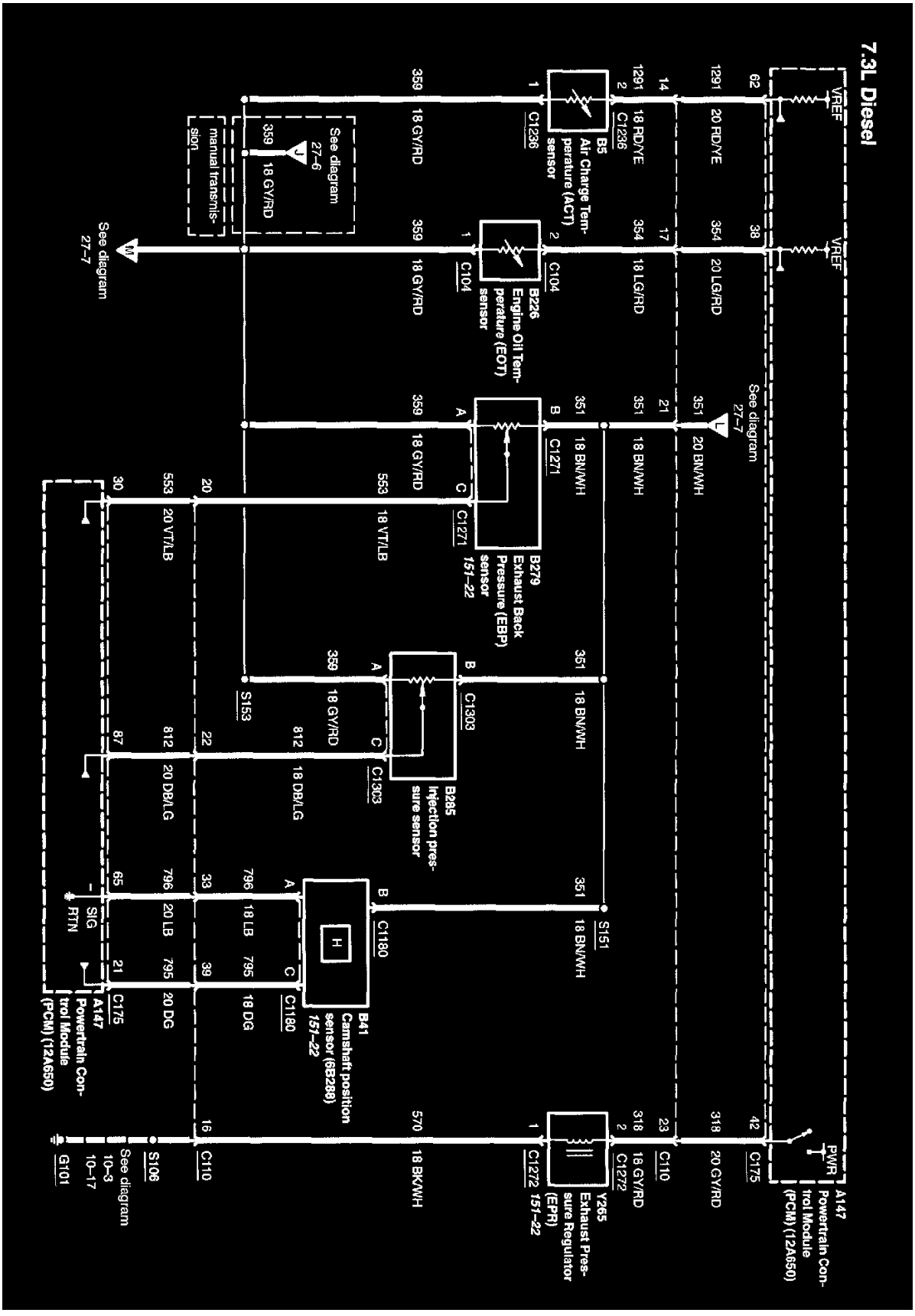

7.3L Diesel
VREF
VREF
62
1291
20 RD/YE
38
354
20 LG/RD
See diagram 27–7
L
351
20 BN/WH
42
318
20 GY/RD
C175
A147
Powertrain Control Module (PCM) (12A650)
PWR
14
1291
18 RD/YE
17
354
18 LG/RD
21
351
18 BN/WH
23
318
18 GY/RD
C110
C1236
B5
Air Charge Temperature (ACT) sensor
C1236
1
2
C104
B226
Engine Oil Temperature (EOT) sensor
C104
1
2
359
18 GY/RD
359
18 GY/RD
359
18 GY/RD
See diagram 27–6
J
359
18 GY/RD
manual transmission
See diagram 27–7
M
B
A
C1271
B279
Exhaust Back Pressure (EBP) sensor
151–22
C1271
C
351
18 BN/WH
S151
1
2
C1272
Y265
Exhaust Pressure Regulator (EPR)
C1272
151–22
553
18 VT/LB
20
553
20 VT/LB
30
A
B
C1303
B285
Injection pressure sensor
C1303
C
359
18 GY/RD
812
18 DB/LG
S153
22
812
20 DB/LG
87
A
B
C1180
H
B41
Camshaft position sensor (6B288)
151–22
C1180
C
796
18 LB
33
796
20 LB
65
795
18 DG
39
795
20 DG
21
C175
A147
Powertrain Control Module (PCM) (12A650)
SIG RTN
570
18 BK/WH
16
C110
S106
See diagram 10–3
10–17
G101

Diagram 27-8

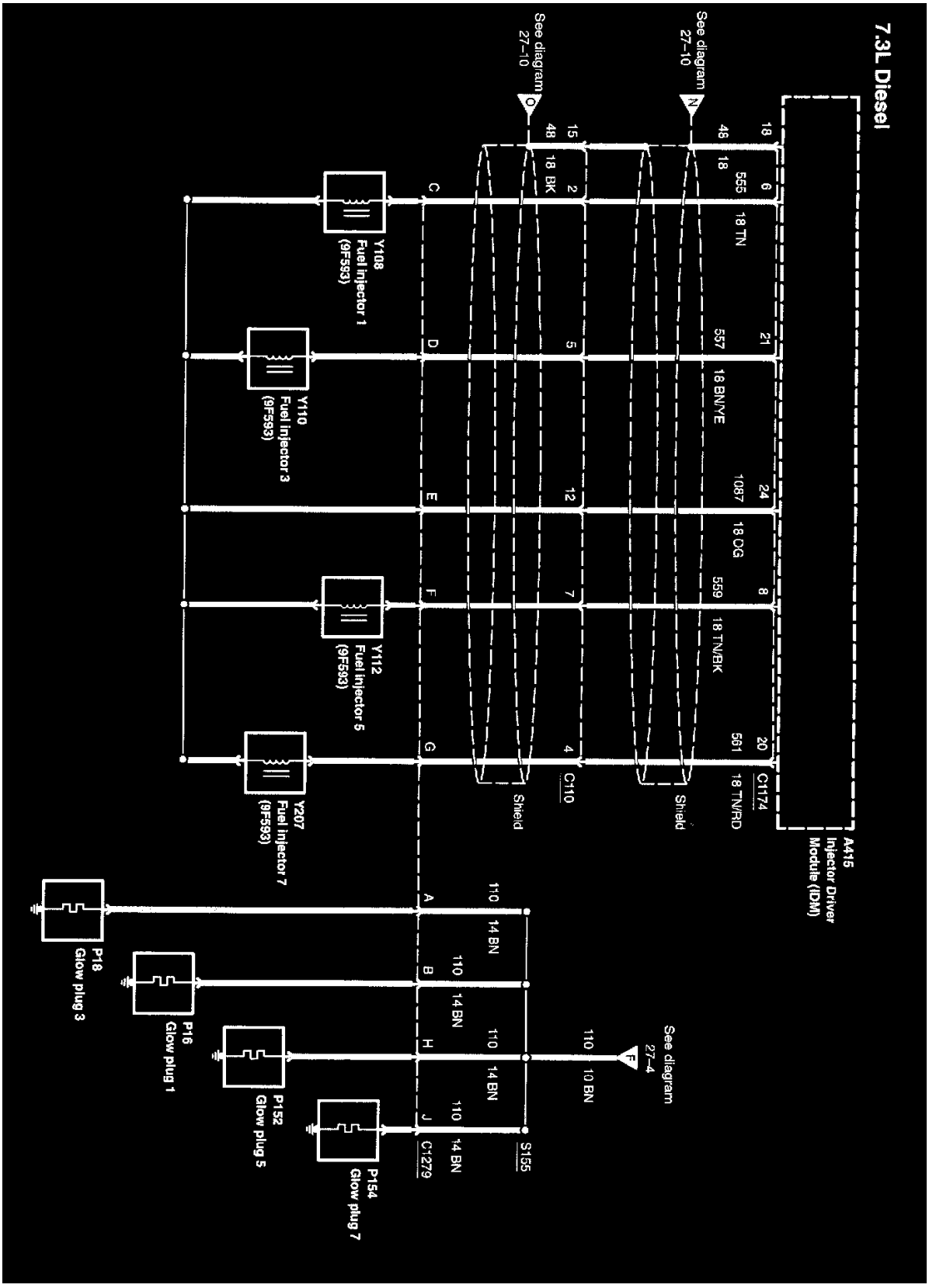

7.3L Diesel
A415
Injector Driver
Module (IDM)
See diagram
27–10
See diagram
27–10
See diagram
27–4
18 TN
18 BN/YE
18 DG
18 TN/BK
18 TN/RD
18 BK
10 BN
14 BN
Shield
Shield
C1174
C110
C1279
S155
Y108
Fuel injector 1
(9F593)
Y110
Fuel injector 3
(9F593)
Y112
Fuel injector 5
(9F593)
Y207
Fuel injector 7
(9F593)
P18
Glow plug 3
P16
Glow plug 1
P152
Glow plug 5
P154
Glow plug 7

Diagram 27-9

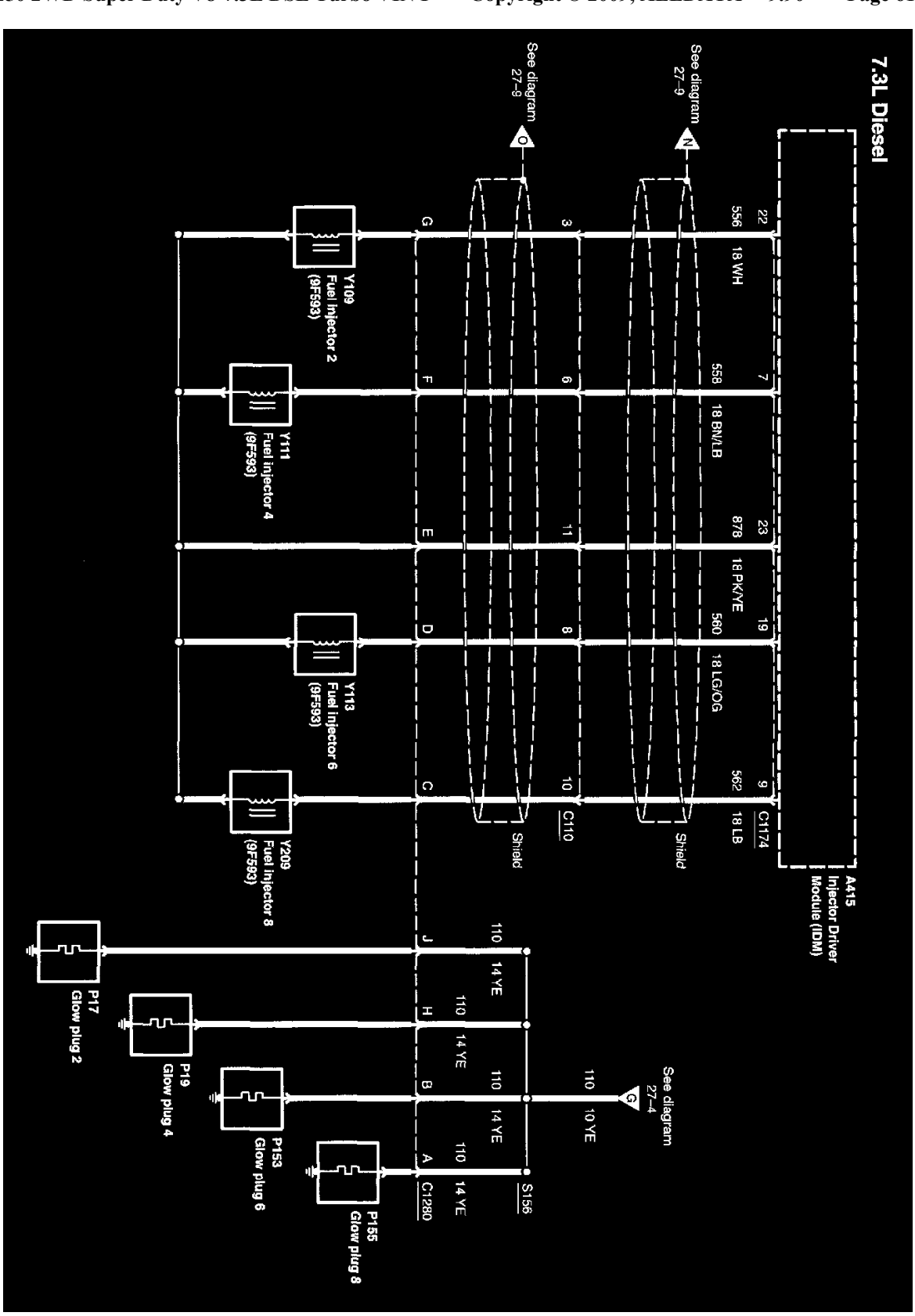


Diagram 27-10

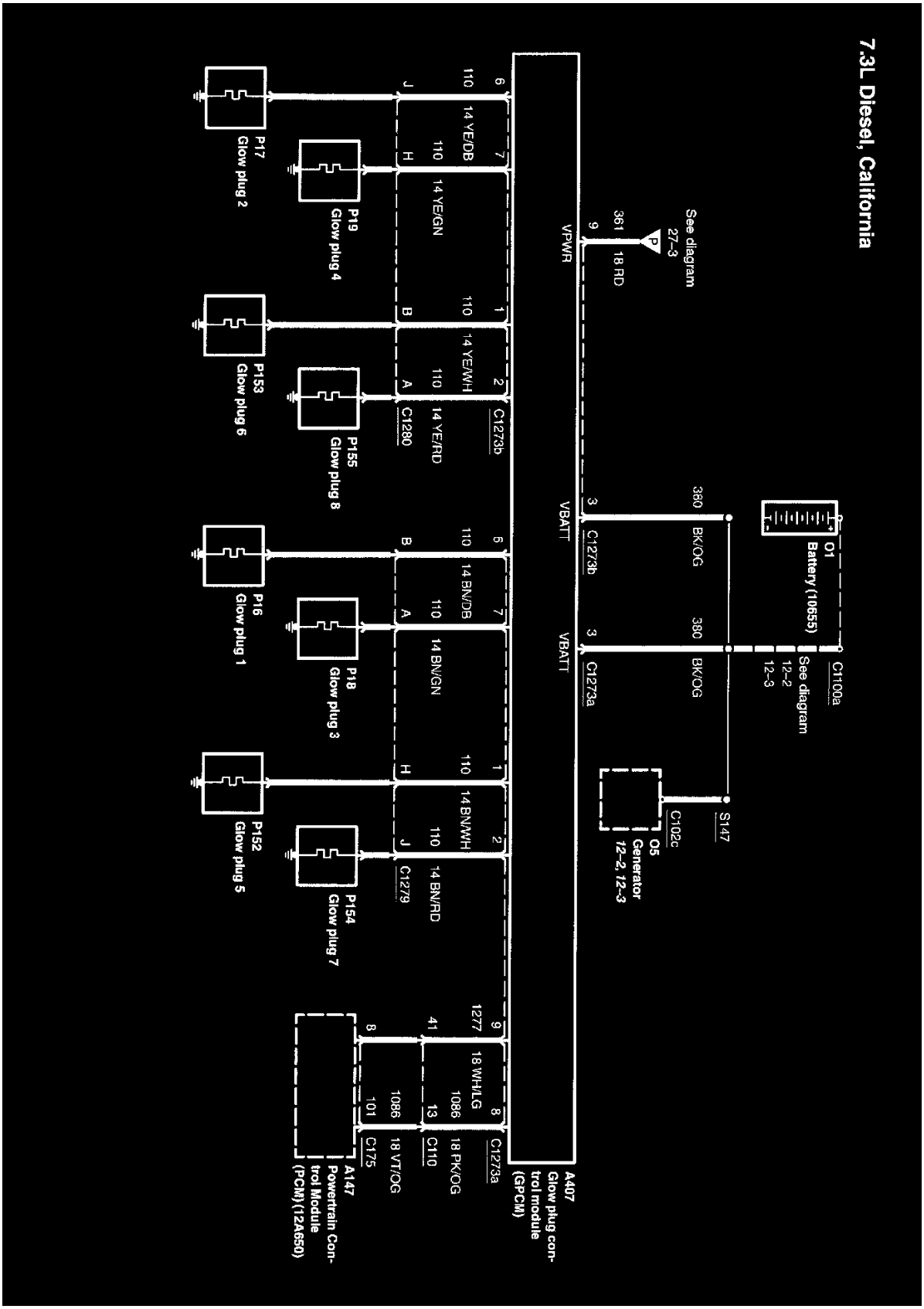


Diagram 27-11

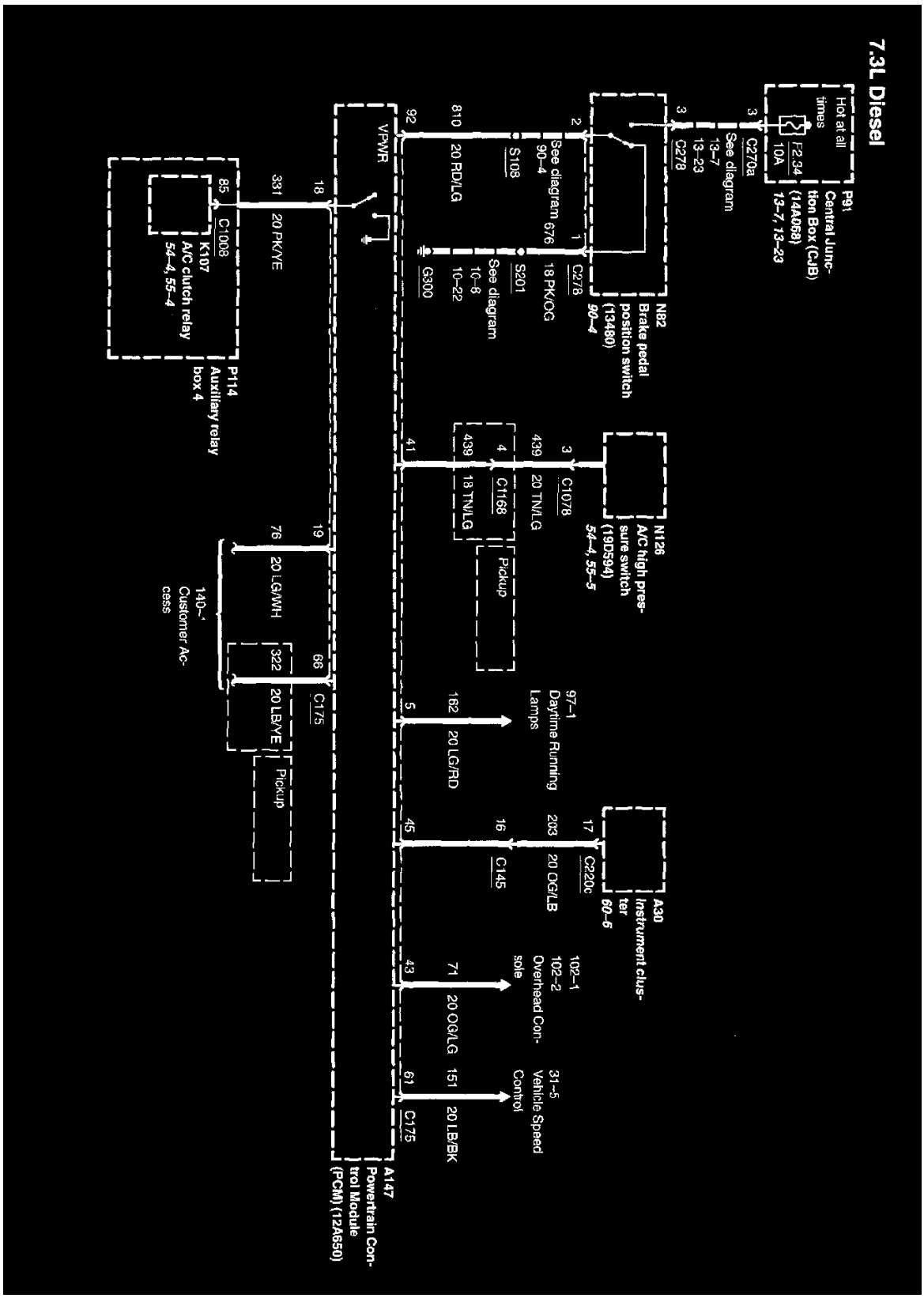


Diagram 27-12

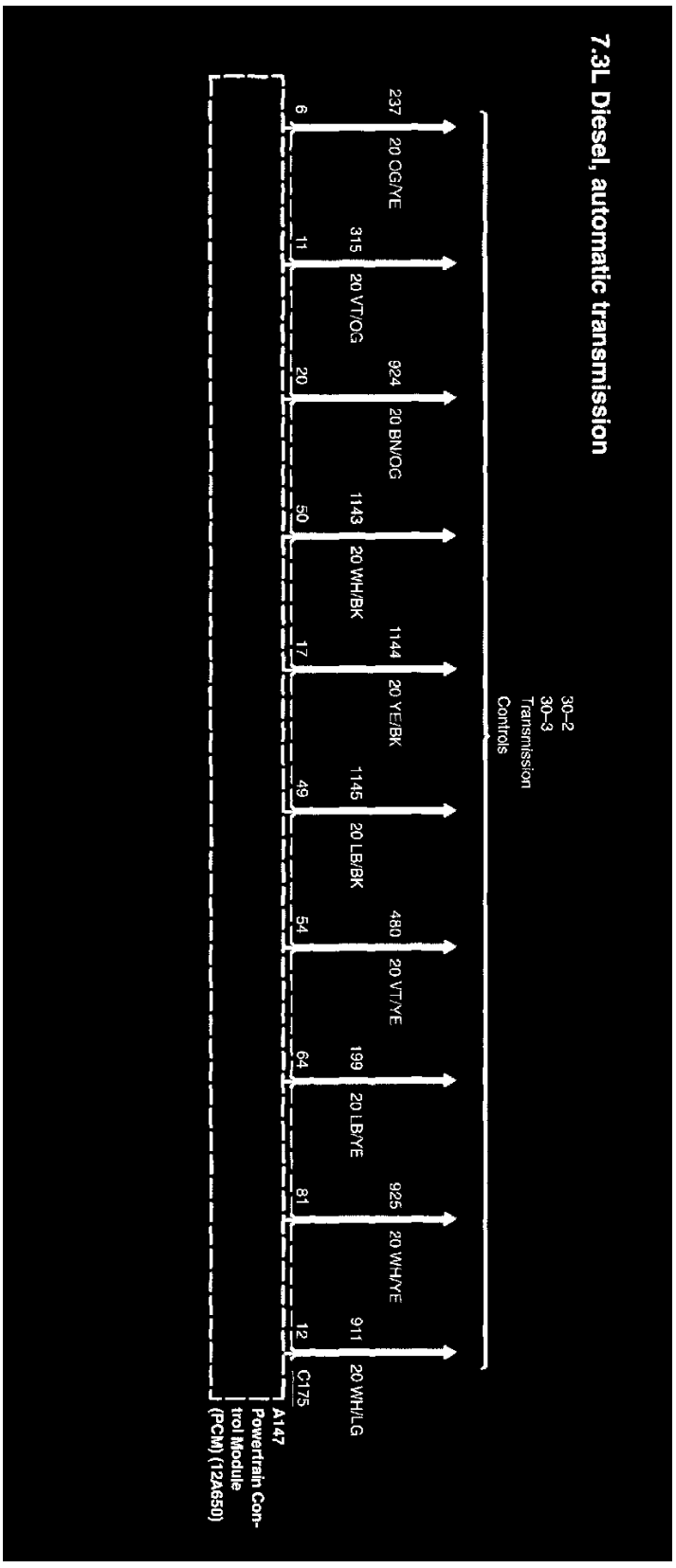


Diagram 27-13

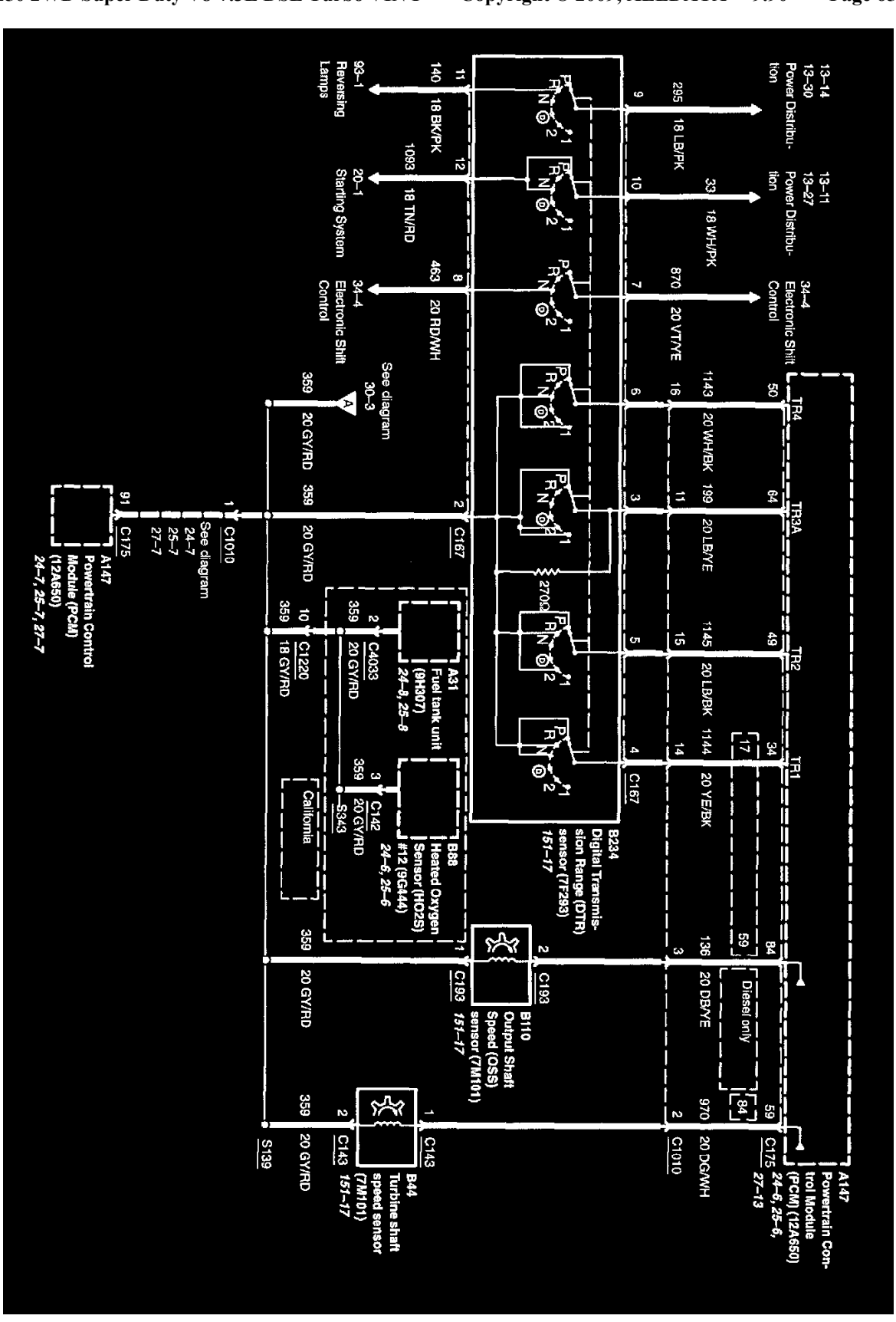

13–14
13–30
Power Distribution
13–11
13–27
Power Distribution
34–4
Electronic Shift Control
A147
Powertrain Control Module (PCM) (12A650)
295
18 LB/PK
33
18 WH/PK
870
20 VT/YE
1143
20 WH/BK
199
20 LB/YE
1145
20 LB/BK
1144
20 YE/BK
136
20 DB/YE
970
20 DG/WH
C175 24–6, 25–6, 27–13
C1010
TR4
TR3A
TR2
TR1
C167
B234
Digital Transmission Range (DTR) sensor (7F293)
151–17
2700
Diesel only
84
59
17
B110
Output Shaft Speed (OSS) sensor (7M101)
C193 151–17
B44
Turbine shaft speed sensor (7M101)
C143 151–17
S139
20 GY/RD
359
C1220
18 GY/RD
10
C4033
20 GY/RD
2
C142
24–6, 25–6
3
S343
California
A31
Fuel tank unit (9H307)
24–8, 25–8
B88
Heated Oxygen Sensor (HO2S) #12 (9G444)
1
2
93–1
Reversing Lamps
20–1
Starting System
34–4
Electronic Shift Control
See diagram 30–3
140
18 BK/PK
1093
18 TN/RD
463
20 RD/WH
C1010
See diagram 24–7 25–7 27–7
C175
A147
Powertrain Control Module (PCM) (12A650)
24–7, 25–7, 27–7

Diagram 30-2

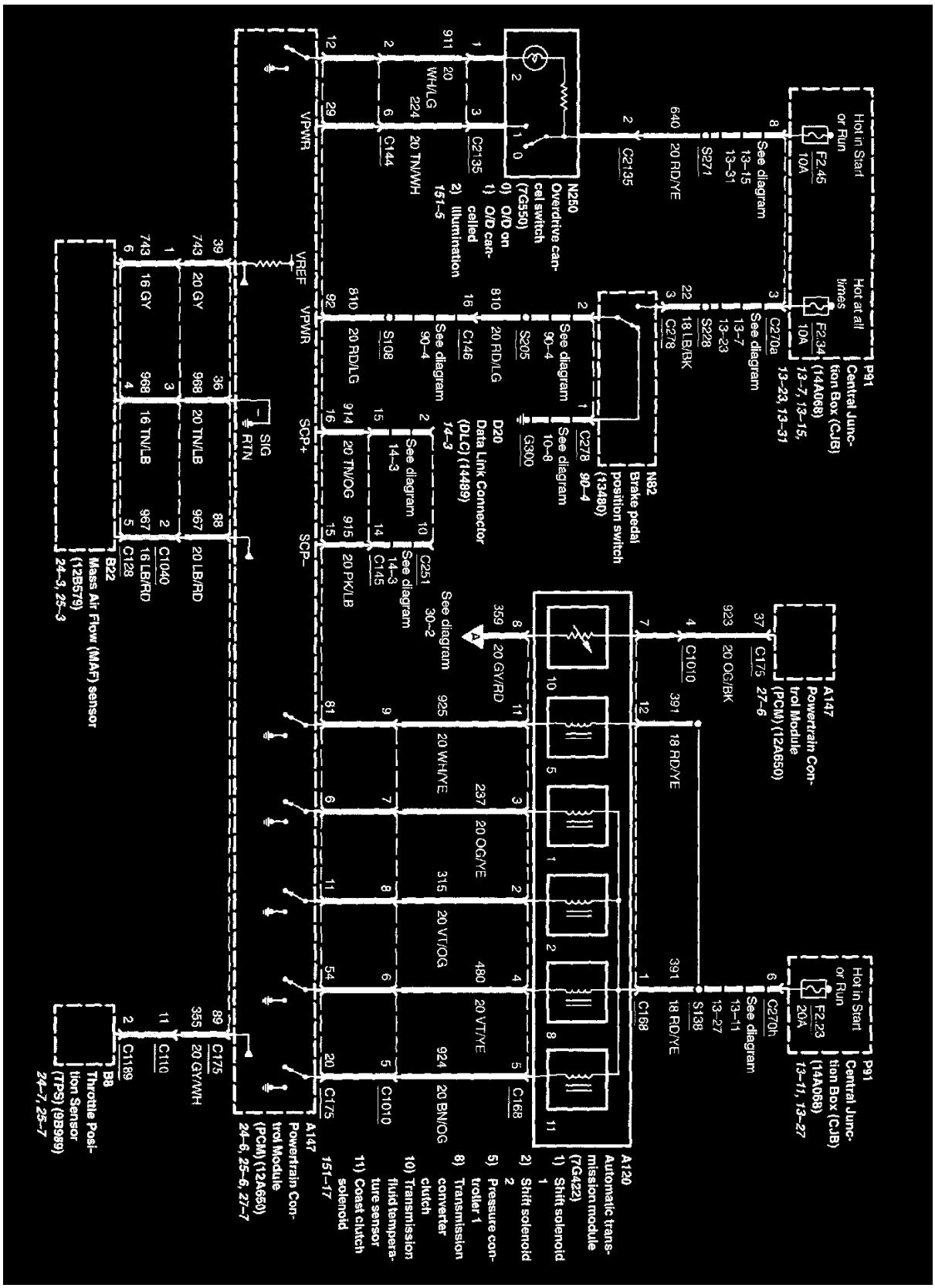

P91
Central Junction Box (CJB) (14A068)
13-7, 13-15, 13-23, 13-31
Hot in Start or Run
F2.45 10A
Hot at all times
F2.34 10A
See diagram 13-15 13-31
See diagram 13-7 13-23
C270a
S271
S228
640 20 RD/YE
18 LB/BK
22
C2135
C278
N250 Overdrive cancel switch (7G550)
0) O/D on
1) O/D cancelled
2) Illumination
151-5
C2135
20 TN/WH
20 WH/LG
224
911
C144
N82 Brake pedal position switch (13480)
C278 90-4
See diagram 90-4
See diagram 10-8
G300
S205
810 20 RD/LG
C146
See diagram 90-4
S108
20 RD/LG
914
D20 Data Link Connector (DLC) (14489)
14-3
See diagram 14-3
C251
C145
20 PK/LB
915
See diagram 30-2
A147 Powertrain Control Module (PCM) (12A650)
27-6
C175
37
923 20 OG/BK
C1010
4
391
18 RD/YE
359 20 GY/RD
925 20 WH/YE
237 20 OG/YE
315 20 VT/OG
480 20 VT/YE
924 20 BN/OG
C168
A120 Automatic transmission module (7G422)
1) Shift solenoid 1
2) Shift solenoid 2
5) Pressure controller 1
8) Transmission converter clutch
10) Transmission fluid temperature sensor
11) Coast clutch solenoid
151-17
VPWR
VREF
SCP+
SCP-
SIG RTN
743 20 GY
743 16 GY
968 20 TN/LB
968 16 TN/LB
967 20 LB/RD
967 16 LB/RD
C1040
C128
B22 Mass Air Flow (MAF) sensor (12B579)
24-3, 25-3
C175
355 20 GY/WH
C110
C1189
B8 Throttle Position Sensor (TPS) (9B989)
24-7, 25-7

Diagram 30-3

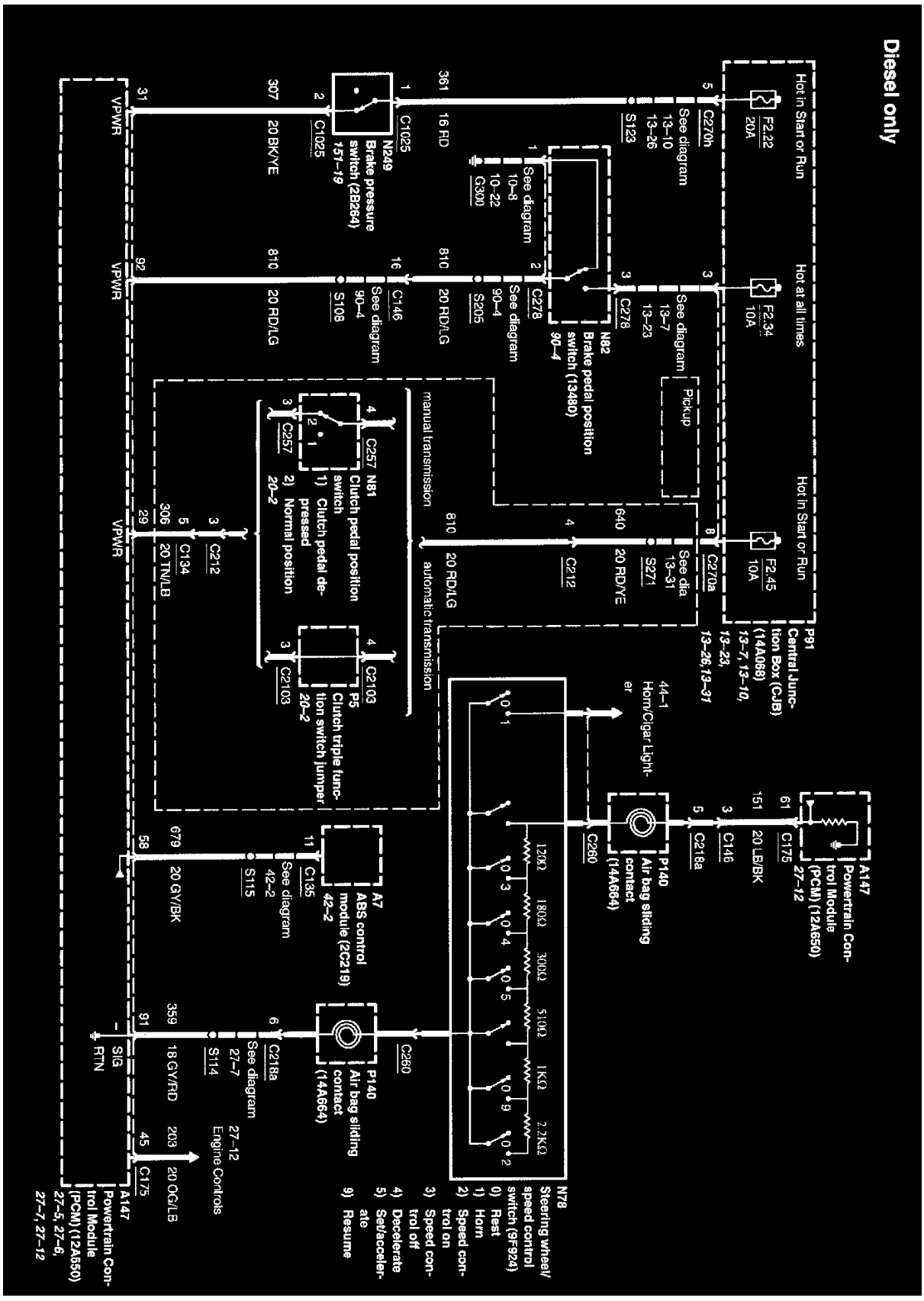

Diesel only
Hot in Start or Run
Hot at all times
Hot in Start or Run
F2.22
20A
F2.34
10A
F2.45
10A
P91
Central Junction Box (CJB)
(14A068)
13–7, 13–10, 13–23, 13–26, 13–31
C270h
C270a
See diagram 13–10 13–26
See diagram 13–7 13–23
See dia. 13–31
S123
S271
Pickup
N82
Brake pedal position switch (13480)
90–4
See diagram 10–8 10–22
G300
See diagram 90–4
S205
C278
C212
640
20 RD/YE
810
20 RD/LG
automatic transmission
manual transmission
44–1
Horn/Cigar Lighter
A147
Powertrain Control Module
(PCM) (12A650)
27–12
C175
C146
C218a
P140
Air bag sliding contact
(14A664)
C260
12Ω
180Ω
300Ω
510Ω
1KΩ
2.2KΩ
N78
Steering wheel/ speed control switch (9F924)
0) Rest
1) Horn
2) Speed control on
3) Speed control off
4) Decelerate
5) Set/accelerate
9) Resume
C1025
N249
Brake pressure switch (2B284)
151–19
C146
S106
C257
N81
Clutch pedal position switch
1) Clutch pedal depressed
2) Normal position
20–2
C2103
P5
Clutch triple function switch jumper
20–2
C212
C134
20 TN/LB
306
A7
ABS control module (2C219)
42–2
C135
See diagram 42–2
S115
679
20 GY/BK
C218a
See diagram 27–7
S114
359
18 GY/RD
203
27–12
Engine Controls
20 OG/LB
45
C175
A147
Powertrain Control Module
(PCM) (12A650)
27–5, 27–6, 27–7, 27–12
SIG RTN
VPWR
VPWR
VPWR
VPWR
31
92
29
58
91
307
20 BK/YE
361
16 RD
810
20 RD/LG
810
20 RD/LG
151
20 LB/BK

Diagram 31-5

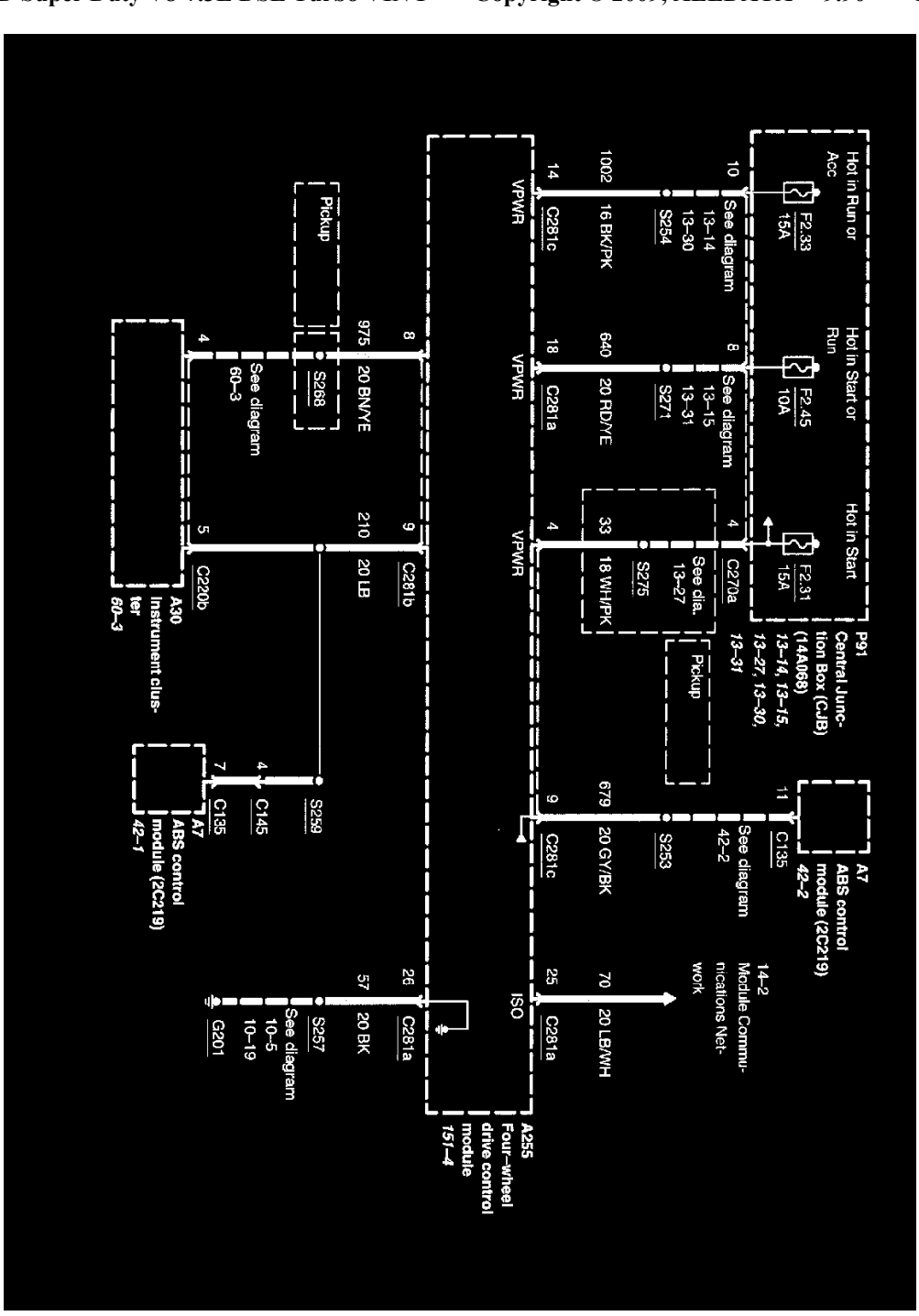

Hot in Run or Acc
F2.33 15A
Hot in Start or Run
F2.45 10A
Hot in Start
F2.31 15A
P91 Central Junction Box (CJB) (14A068) 13–14, 13–15, 13–27, 13–30, 13–31
A7 ABS control module (2C219) 42–2
10
See diagram 13–14 13–30 S254
8
See diagram 13–15 13–31 S271
4
C270a
See dia. 13–27 S275
Pickup
11
C135
See diagram 42–2
14–2 Module Communications Network
1002 16 BK/PK
640 20 RD/YE
33 18 WH/PK
679 20 GY/BK
70 20 LB/WH
14 C281c
18 C281a
4
9
C281c
25 C281a
VPWR
VPWR
VPWR
ISO
A255 Four–wheel drive control module 151–4
8
975 20 BN/YE
9
210 20 LB
26 C281a
57 20 BK
Pickup
S268
S259
S257
See diagram 10–5 10–19
G201
See diagram 60–3
4
5
C220b
A30 Instrument cluster 60–3
4
C145
7
C135
A7 ABS control module (2C219) 42–1

Diagram 34-3

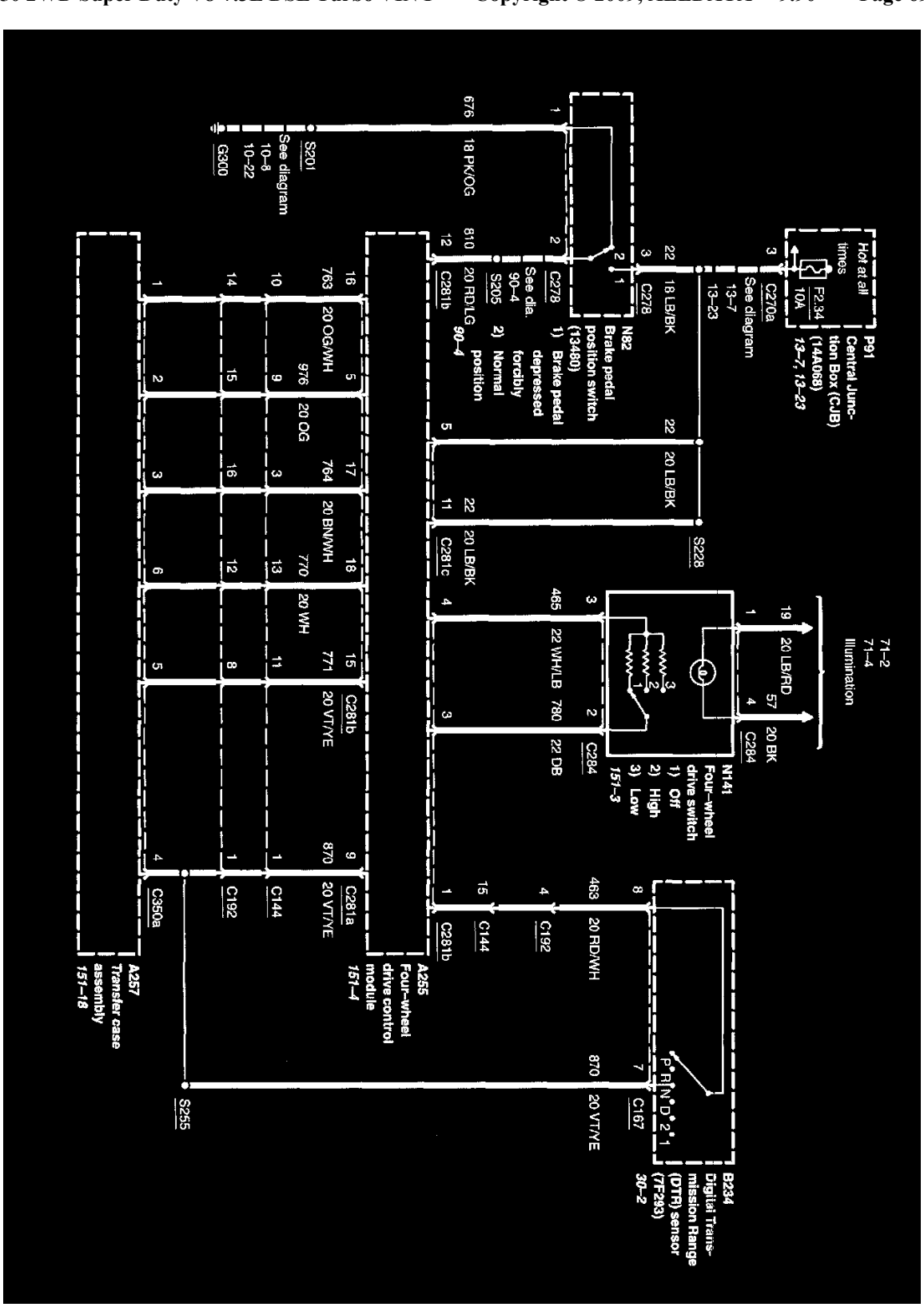

P91
Central Junction Box (CJB)
(14A068)
13–7, 13–23
Hot at all times
F2.34
10A
C270a
See diagram
13–7
13–23
18 LB/BK
C278
N82
Brake pedal position switch
(13480)
1) Brake pedal depressed
2) Normal position
C278
See dia. 90–4
S205
20 RD/LG
C281b
90–4
676
18 PK/OG
S201
See diagram
10–8
10–22
G300
S228
20 LB/BK
71–2
71–4
Illumination
20 LB/RD
20 BK
C284
N141
Four–wheel drive switch
1) Off
2) High
3) Low
151–3
C284
22 DB
22 WH/LB
780
465
C281c
20 LB/BK
C281b
20 VT/YE
771
C281a
20 VT/YE
870
A255
Four–wheel drive control module
151–4
C144
C192
20 RD/WH
463
C167
20 VT/YE
B234
Digital Transmission Range (DTR) sensor
(7F293)
30–2
S255
C350a
A257
Transfer case assembly
151–18
20 OG/WH
763
20 OG
976
20 BN/WH
764
770
20 W/H

Diagram 34-4

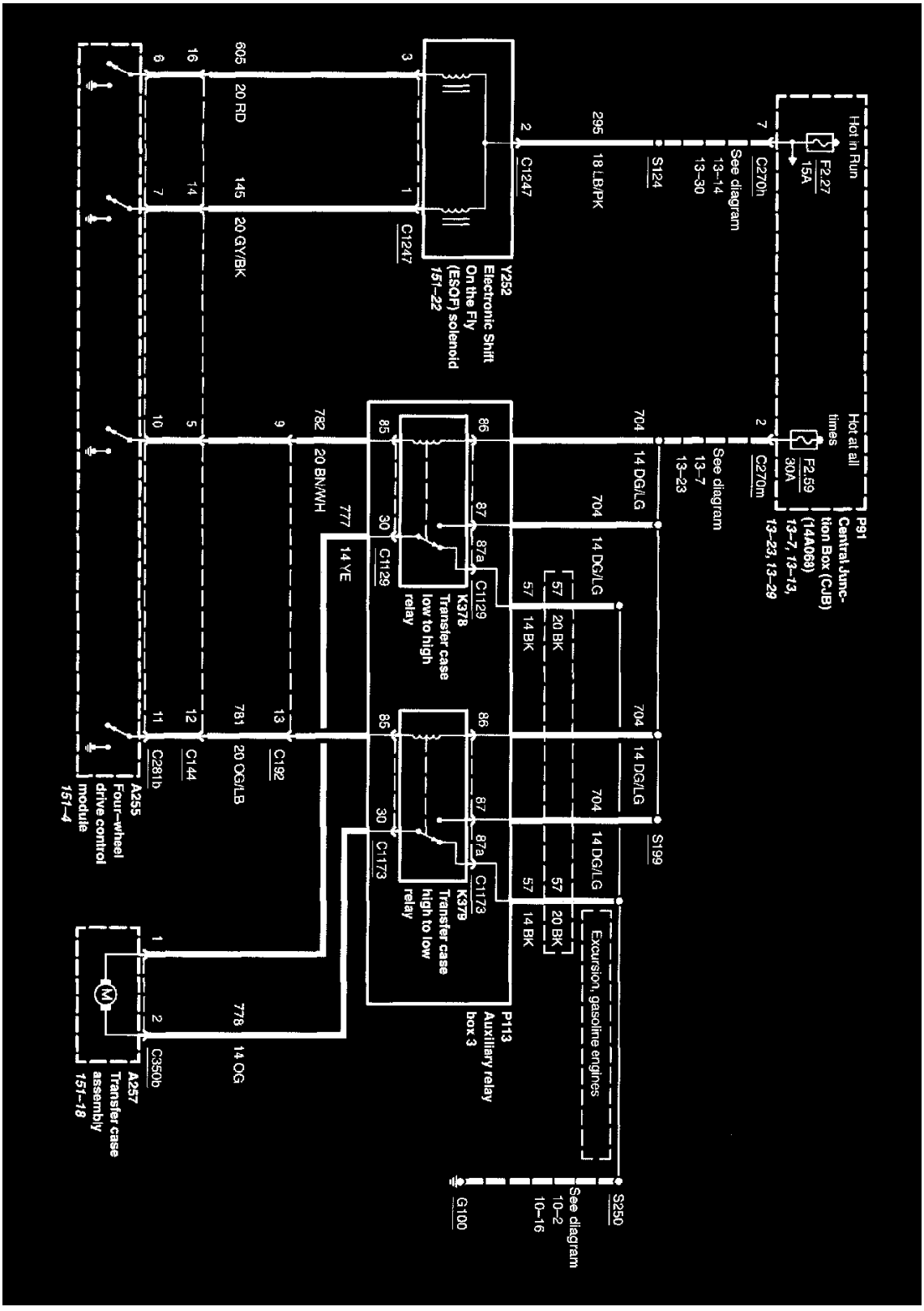

Hot in Run
F2.27
15A
C270h
See diagram
13–14
13–30
S124
295
18 LB/PK
C1247
Y252
Electronic Shift
On the Fly
(ESOF) solenoid
151–22
C1247
605
20 RD
16
6
3
1
14
7
Hot at all
times
F2.59
30A
C270m
See diagram
13–7
13–23
P91
Central Junc-
tion Box (C-JB)
(14A068)
13–7, 13–13,
13–23, 13–29
704
14 DG/LG
86
85
87
87a
30
C1129
K378
Transfer case
low to high
relay
777
14 YE
782
20 BN/WH
9
13
C192
781
20 OG/LB
12
C144
5
10
11
C281b
A255
Four–wheel
drive control
module
151–4
S199
Excursion, gasoline engines
57
20 BK
14 BK
C1173
K379
Transfer case
high to low
relay
P113
Auxiliary relay
box 3
S250
See diagram
10–2
10–16
G100
778
14 OG
C350b
A257
Transfer case
assembly
151–18
M
1
2

Diagram 34-5

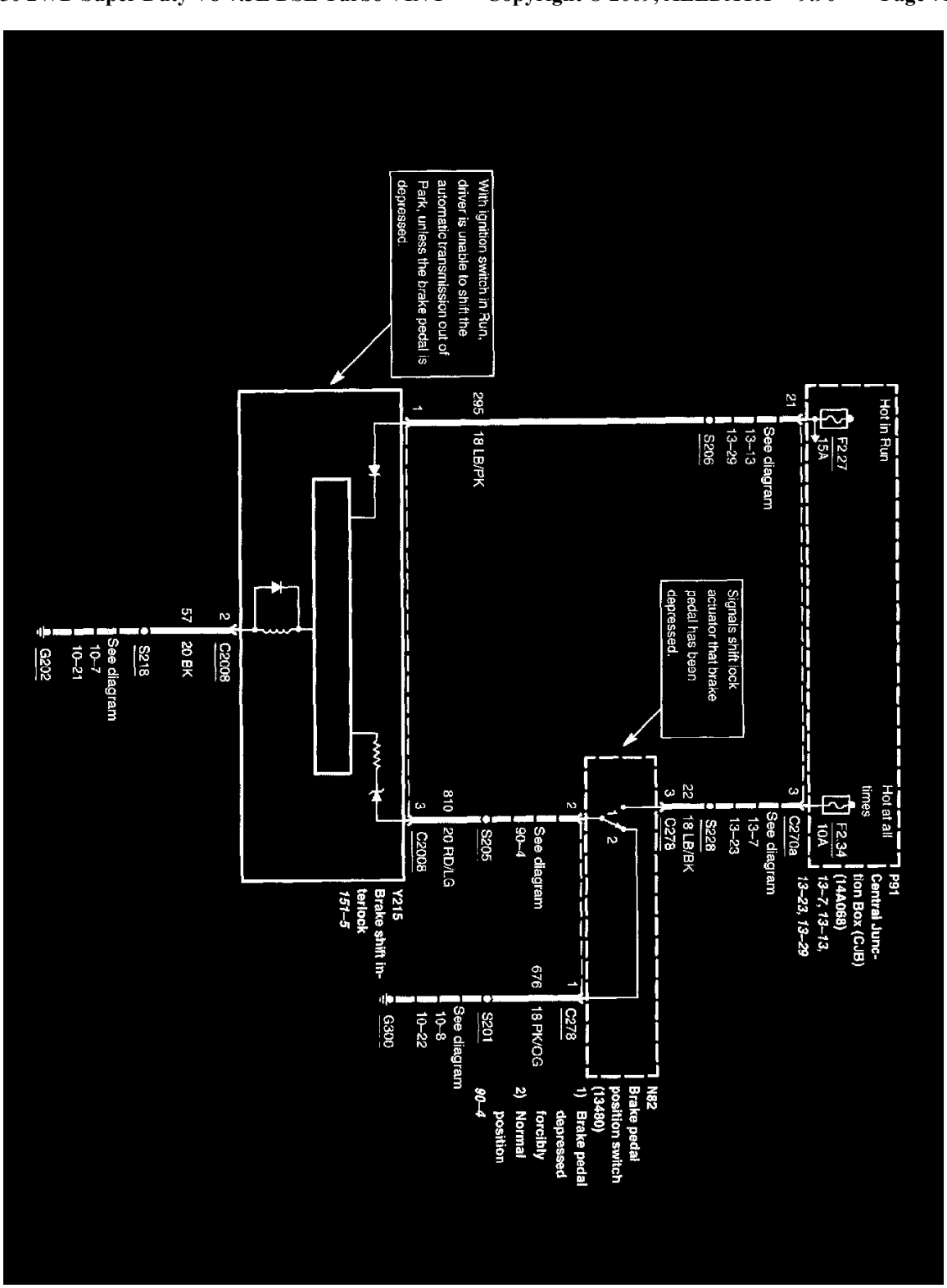

Hot in Run
F2.27
15A
Hot at all times
F2.34
10A
P91
Central Junction Box (CJB)
(14A068)
13-7, 13-13, 13-23, 13-29
21
See diagram
13-13
13-29
S206
295
18 LB/PK
1
With ignition switch in Run, driver is unable to shift the automatic transmission out of Park, unless the brake pedal is depressed.
C270a
See diagram
13-7
13-23
S228
22
18 LB/BK
C278
3
Signals shift lock actuator that brake pedal has been depressed.
N82
Brake pedal position switch
(13480)
1) Brake pedal depressed forcibly
2) Normal position
90-4
C278
1
676
18 PK/OG
S201
See diagram
10-8
10-22
G300
Y215
Brake shift interlock
151-5
C2008
2
810
20 RD/LG
S205
See diagram
90-4
C2008
3
57
20 BK
S218
See diagram
10-7
10-21
G202

Diagram 37-1

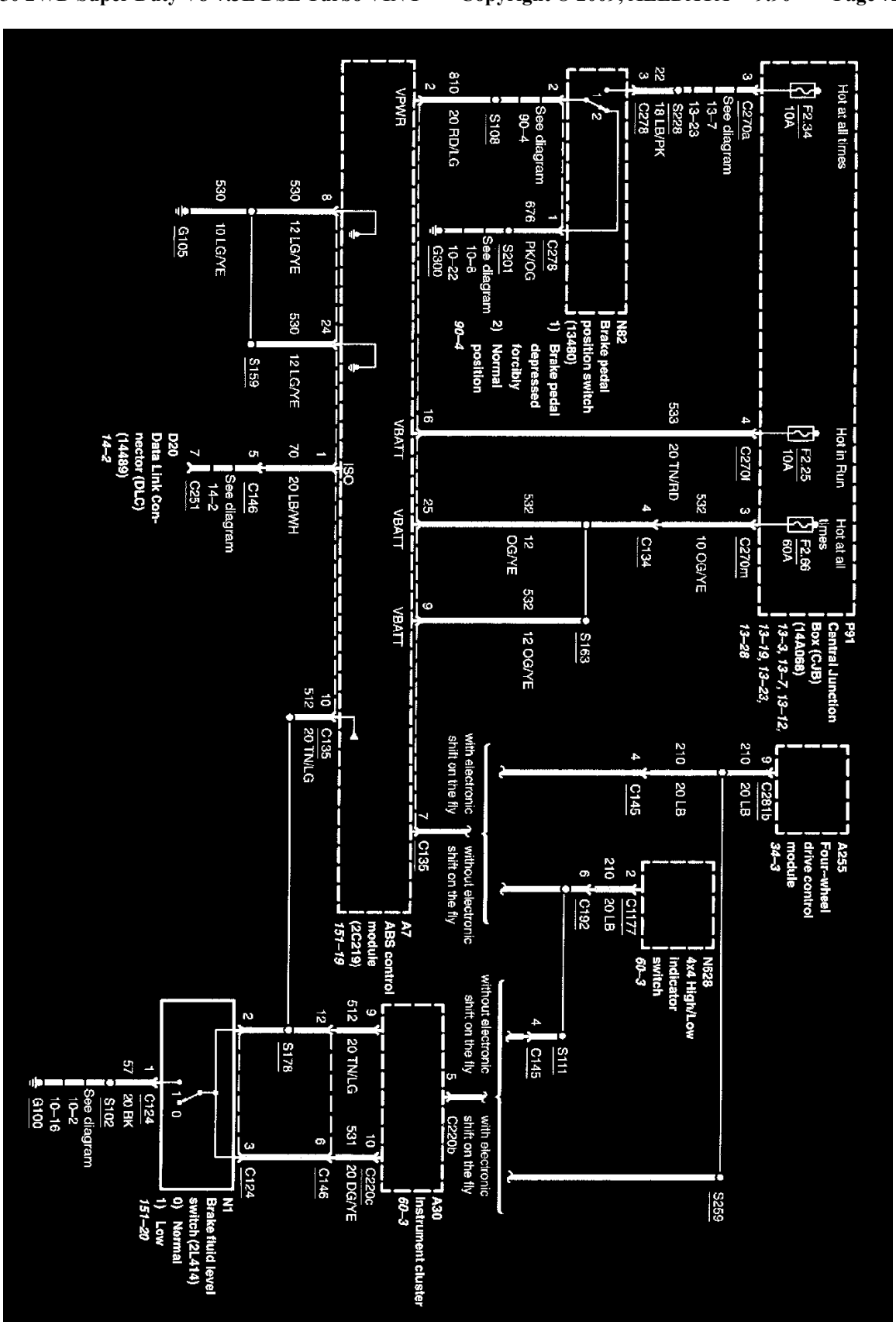

Hot at all times
Hot in Run
Hot at all times
P91
Central Junction Box (CJB)
(14A068)
13–3, 13–7, 13–12, 13–19, 13–23, 13–28
A255
Four-wheel drive control module
34–3
F2.34
10A
F2.25
10A
F2.66
60A
C270a
See diagram 13–7
S228
18 LB/PK
C278
C270l
C270m
C2281b
20 LB
S259
C278
Brake pedal position switch (13480)
1) Brake pedal depressed forcibly
2) Normal position
See diagram 90–4
S108
See diagram 10–8
10–22
G300
90–4
S201
See diagram 10–8
10–22
G300
20 RD/LG
20 TN/RD
10 OG/YE
20 LB
C134
C145
C1177
20 LB
N628
4x4 High/Low indicator switch
60–3
C192
20 LB
S111
C145
S163
12 OG/YE
with electronic shift on the fly
without electronic shift on the fly
C135
20 TN/LG
A7
ABS control module (2C219)
157–19
VPWR
VBATT
ISO
S159
12 LG/YE
G105
10 LG/YE
C146
See diagram 14–2
C251
D20
Data Link Connector (DLC) (14489)
14–2
S178
C220b
C220c
20 DG/YE
A30
Instrument cluster
60–3
C124
20 BK
S102
See diagram 10–2
10–16
G100
N1
Brake fluid level switch (2L414)
0) Normal
1) Low
151–20

Diagram 42-1

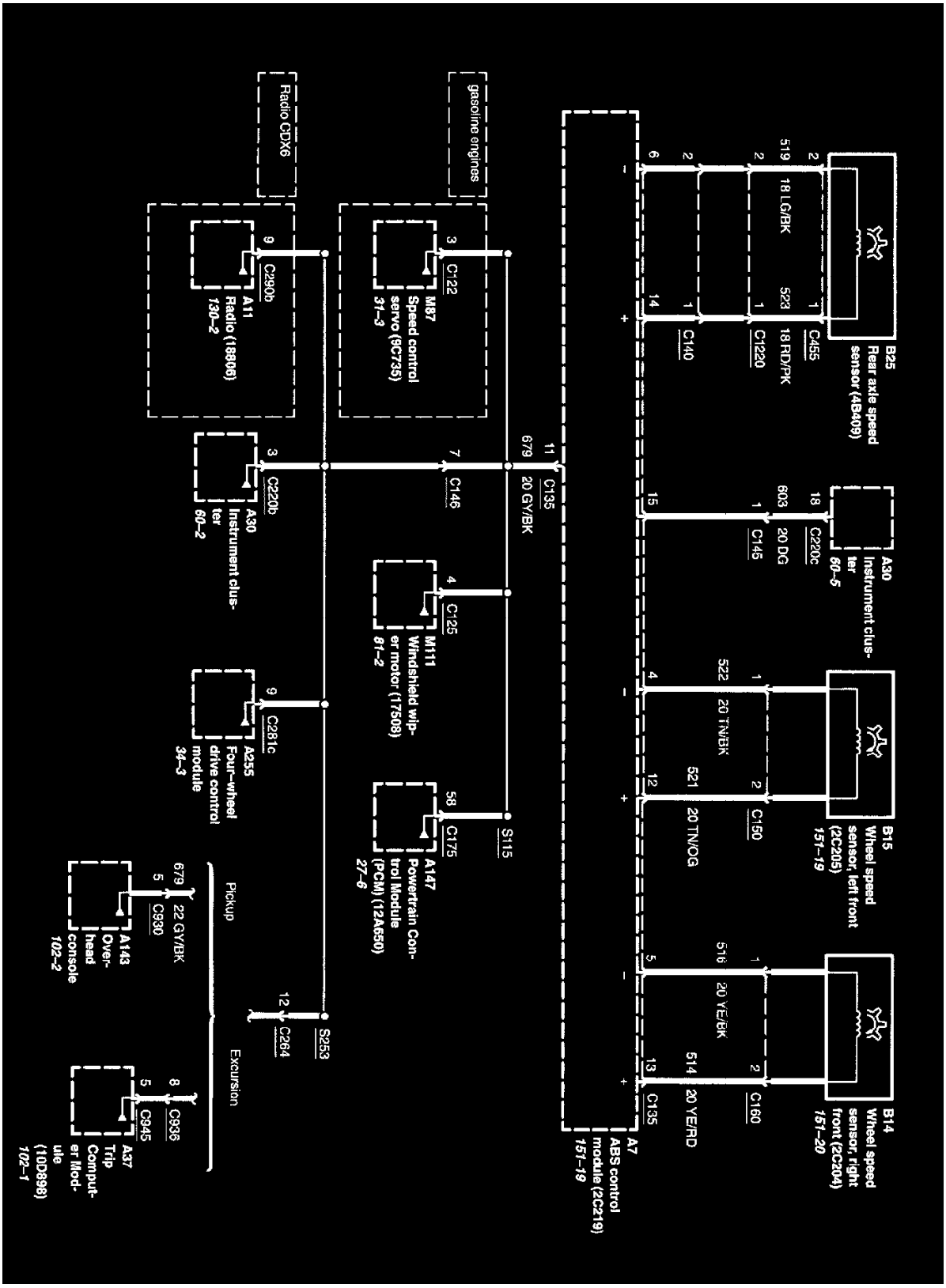

B25
Rear axle speed sensor (4B459)
2
519
18 LG/BK
2
1
C455
523
18 RD/PK
1
C1220
2
1
C140
6
14
A30
Instrument cluster
60–5
18
603
20 DG
1
C220c
C145
15
B15
Wheel speed sensor, left front (2C205)
151–19
1
522
20 TN/BK
2
C150
521
20 TN/OG
12
4
B14
Wheel speed sensor, right front (2C204)
151–20
1
516
20 YE/BK
2
C160
514
20 YE/RD
13
5
C135
A7
ABS control module (2C219)
151–19
11
679
20 GY/BK
C135
S115
58
C175
A147
Powertrain Control Module (PCM) (12A650)
27–6
7
C146
4
C125
M111
Windshield wiper motor (17508)
81–2
3
C122
M87
Speed control servo (9C735)
31–3
gasoline engines
Radio CDX6
9
C290b
A11
Radio (18806)
130–2
3
C220b
A30
Instrument cluster
60–2
9
C281c
A255
Four-wheel drive control module
34–3
S253
12
C264
Pickup
Excursion
679
5
22 GY/BK
C930
A143
Overhead console
102–2
8
5
C936
C945
A37
Trip Computer Module (10D898)
102–1

Diagram 42-2

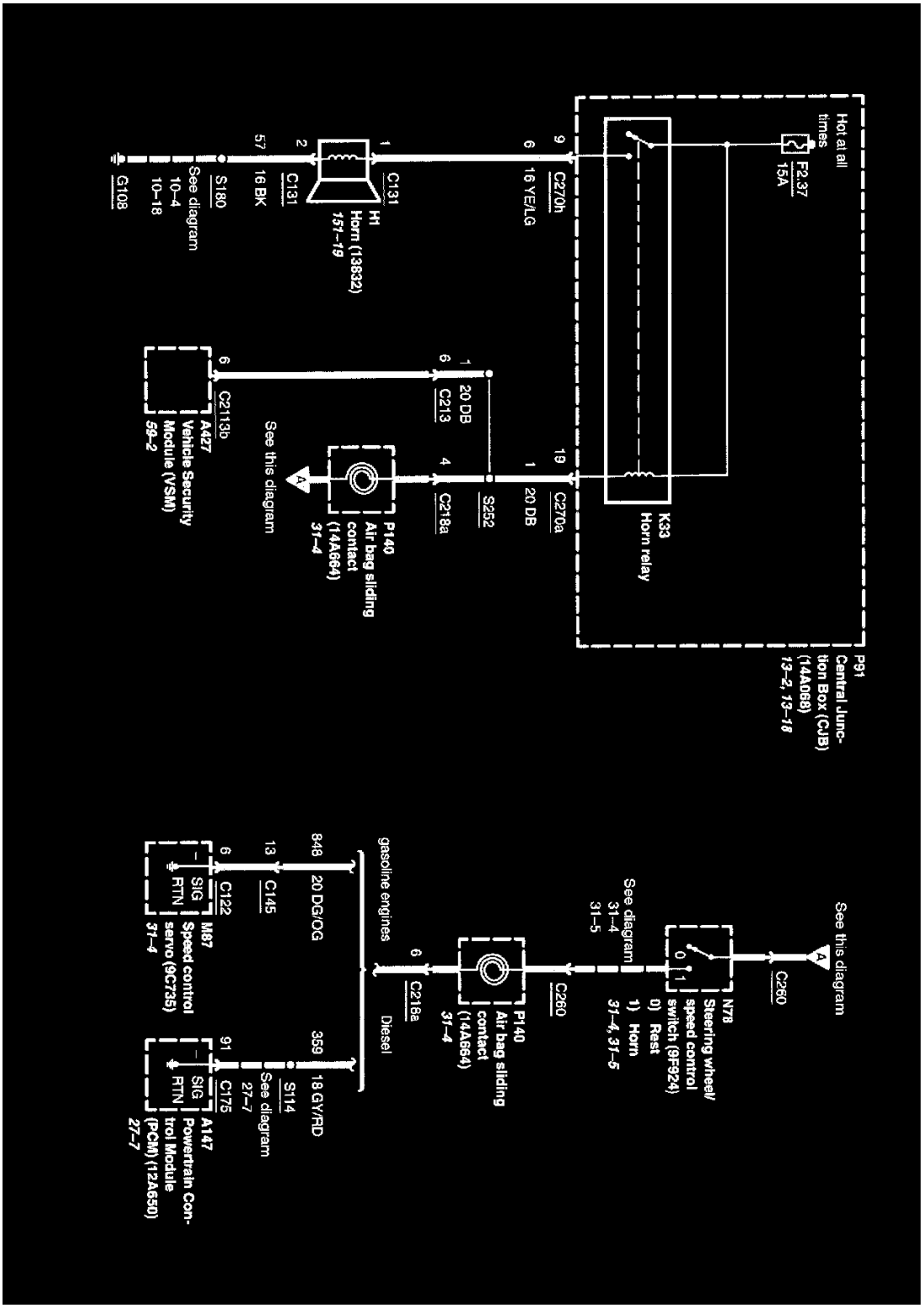

Hot at all times
F2.37
15A
P91
Central Junction Box (CJB)
(14A068)
13–2, 13–18
C270h
16 YE/LG
C270a
20 DB
K33
Horn relay
C131
H1
Horn (13832)
157–19
C131
16 BK
S180
See diagram
10–4
10–18
G108
20 DB
C213
S252
C218a
P140
Air bag sliding contact
(14A664)
31–4
See this diagram
C213b
A427
Vehicle Security Module (VSM)
59–2
See this diagram
C260
N78
Steering wheel/ speed control switch (9F924)
0) Rest
1) Horn
31–4, 31–5
See diagram
31–4
31–5
C260
P140
Air bag sliding contact
(14A664)
31–4
C216a
Diesel
gasoline engines
848
20 DG/OG
359
18 GY/RD
S114
See diagram
27–7
13
C145
6
C122
SIG
RTN
M87
Speed control servo (9C735)
31–4
91
C175
SIG
RTN
A147
Powertrain Control Module (PCM) (12A650)
27–7

Diagram 44-1

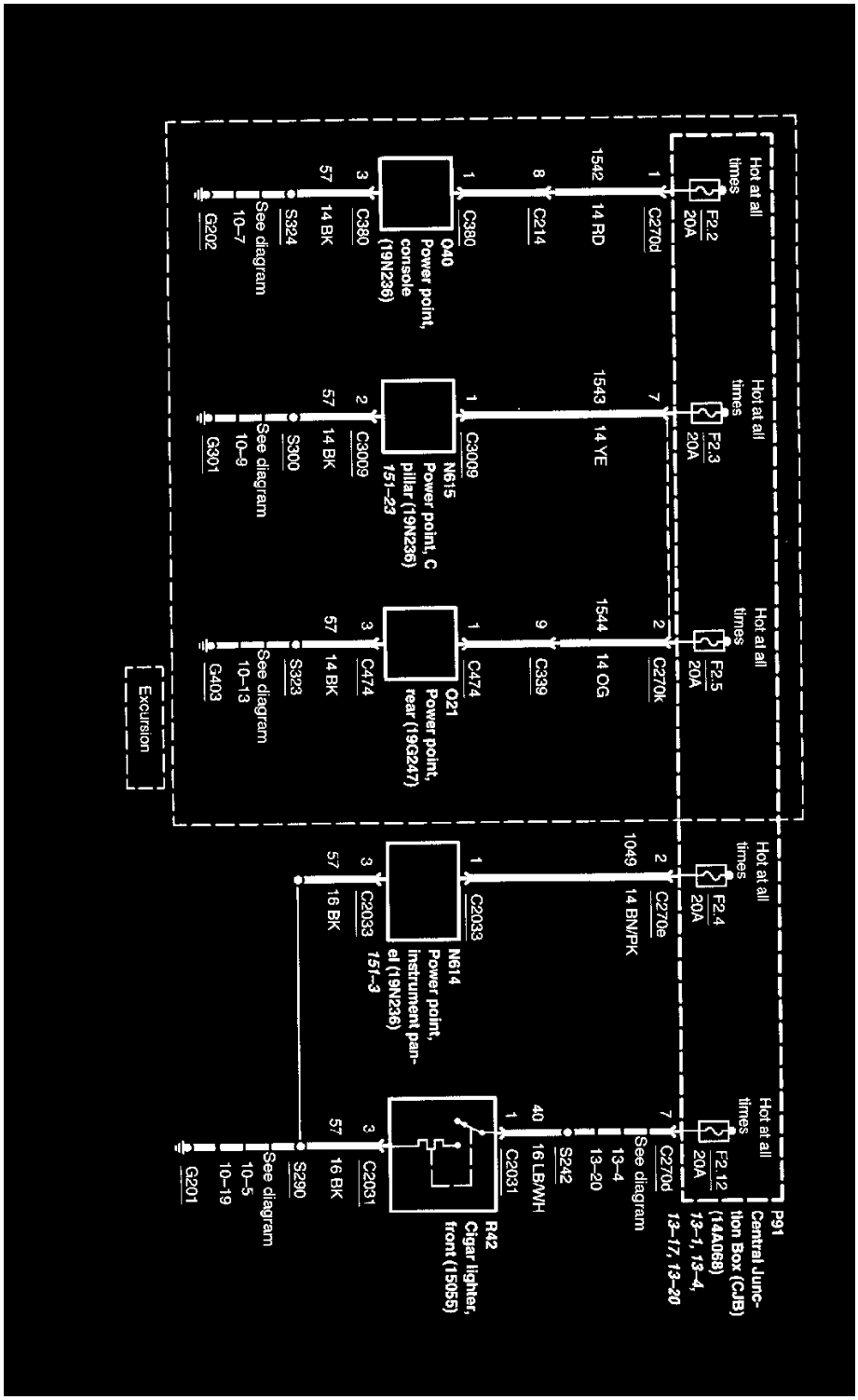

Hot at all times
F2.2 20A
C270d
1
1542
14 RD
8
C214
C380
3
57
14 BK
S324
See diagram 10–7
G202
Q40 Power point, console (19N236)
Hot at all times
F2.3 20A
C270k
7
1543
14 YE
9
C339
C3009
2
57
14 BK
S300
See diagram 10–9
G301
N615 Power point, C pillar (19N236) 151–23
Hot at all times
F2.5 20A
C270k
2
1544
14 OG
9
C339
C474
3
57
14 BK
S323
See diagram 10–13
G403
Q21 Power point, rear (19G247)
Excursion
Hot at all times
F2.4 20A
C270e
2
1049
14 BN/PK
C2033
3
57
16 BK
N614 Power point, instrument panel (19N236) 151–3
Hot at all times
F2.12 20A
C270d
7
See diagram 13–4
S242
40
16 LB/WH
C2031
1
C2031
3
57
16 BK
S290
See diagram 10–5
G201
R42 Cigar lighter, front (15055)
P91 Central Junction Box (CJB) (14A068) 13–1, 13–4, 13–17, 13–20

Diagram 44-2

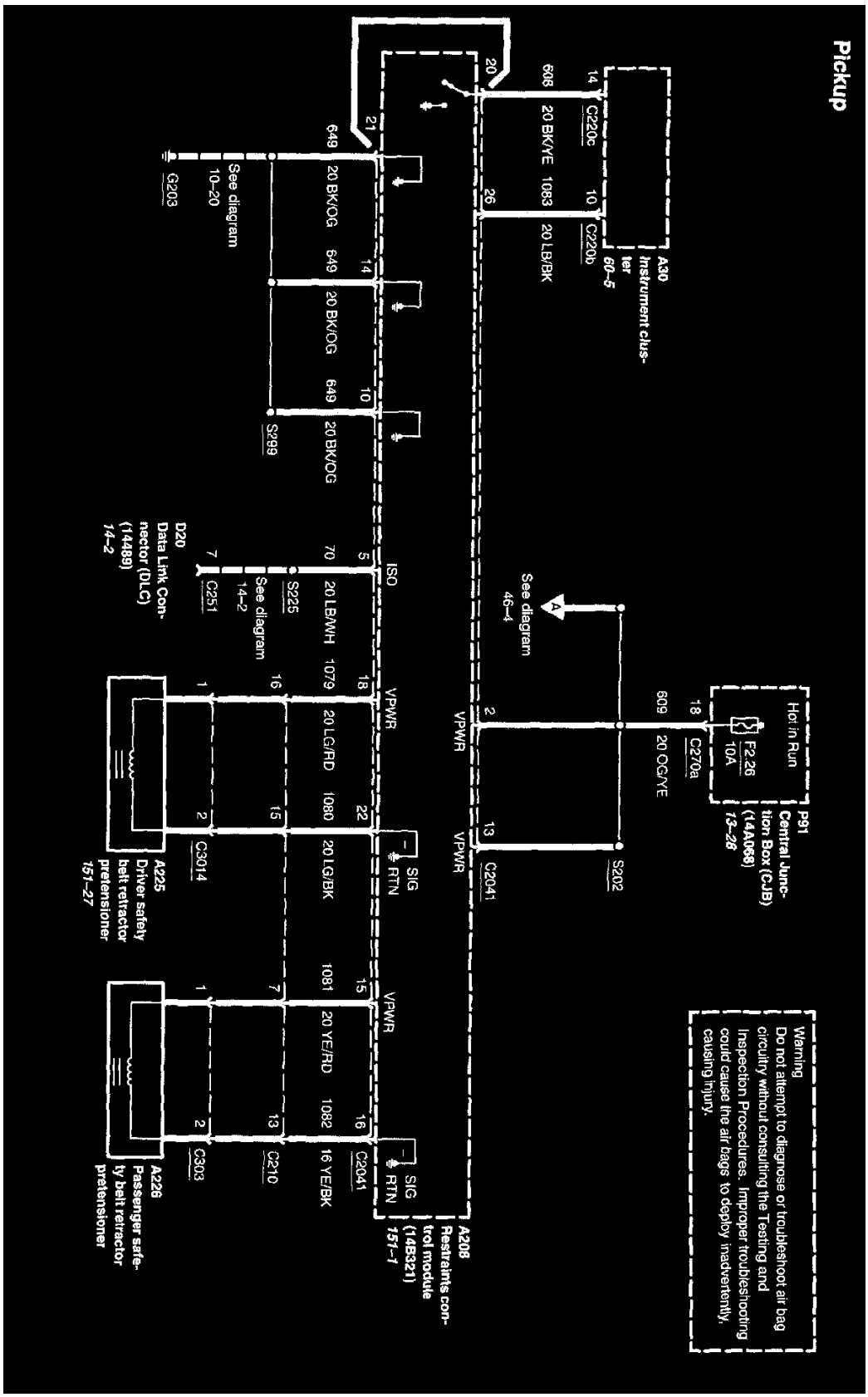

Pickup
Warning
Do not attempt to diagnose or troubleshoot air bag circuitry without consulting the Testing and Inspection Procedures. Improper troubleshooting could cause the air bags to deploy inadvertently, causing injury.
A30
Instrument cluster
60–5
C220c
C220b
14
10
608
20 BK/YE
1083
20 LB/BK
26
20
21
649
20 BK/OG
649
20 BK/OG
649
20 BK/OG
14
10
See diagram
10–20
G203
S299
P91
Central Junction Box (CJB)
(14A068)
13–28
F2.26
10A
Hot in Run
18
C270a
609
20 OG/YE
S202
See diagram
46–4
2
VPWR
13
VPWR
C2041
A206
Restraints control module
(14B321)
151–1
SIG RTN
SIG RTN
ISO
5
70
20 LB/WH
1079
18
VPWR
20 LG/RD
1080
22
20 LG/BK
1081
15
VPWR
20 YE/RD
1082
16
16 YE/BK
C2041
C210
C303
C3014
C251
7
See diagram
14–2
S225
See diagram
14–2
16
1
2
15
7
1
13
2
D20
Data Link Connector (DLC)
(14489)
14–2
A225
Driver safety belt retractor pretensioner
151–27
A226
Passenger safety belt retractor pretensioner

Diagram 46-3

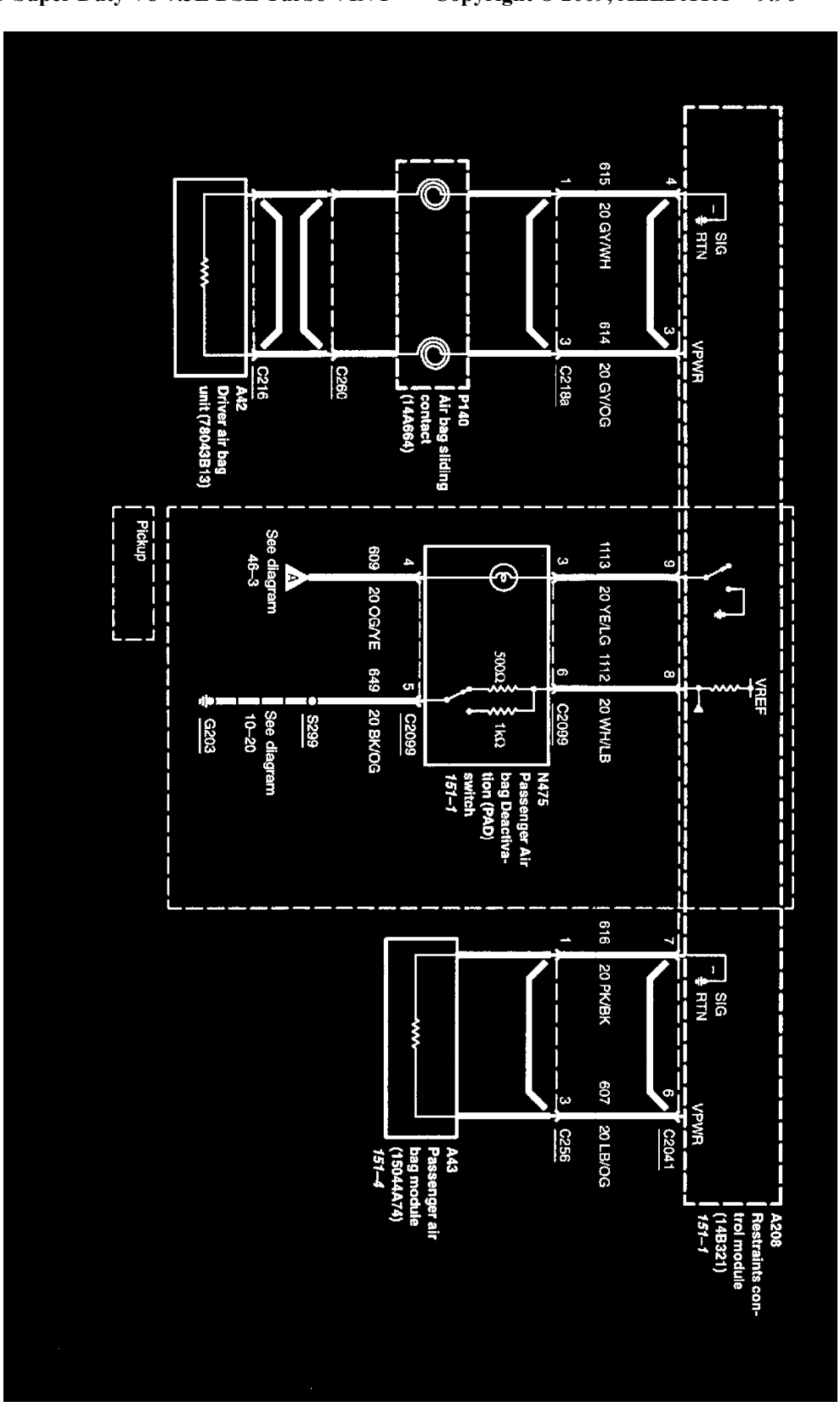

A208
Restraints control module
(14B321)
151–1
SIG RTN
VPWR
C2041
616
20 PK/BK
607
20 LB/OG
C256
A43
Passenger air bag module
(15044A74)
151–4
VREF
1113
20 YE/LG
1112
20 WH/LB
C2099
500Ω
1kΩ
N475
Passenger Air bag Deactivation (PAD) switch
151–1
609
20 OG/YE
649
20 BK/OG
See diagram 46–3
See diagram 10–20
S299
G203
Pickup
615
20 GY/WH
614
20 GY/OG
C218a
C260
P140
Air bag sliding contact
(14A664)
C216
A42
Driver air bag unit (78043B13)

Diagram 46-4

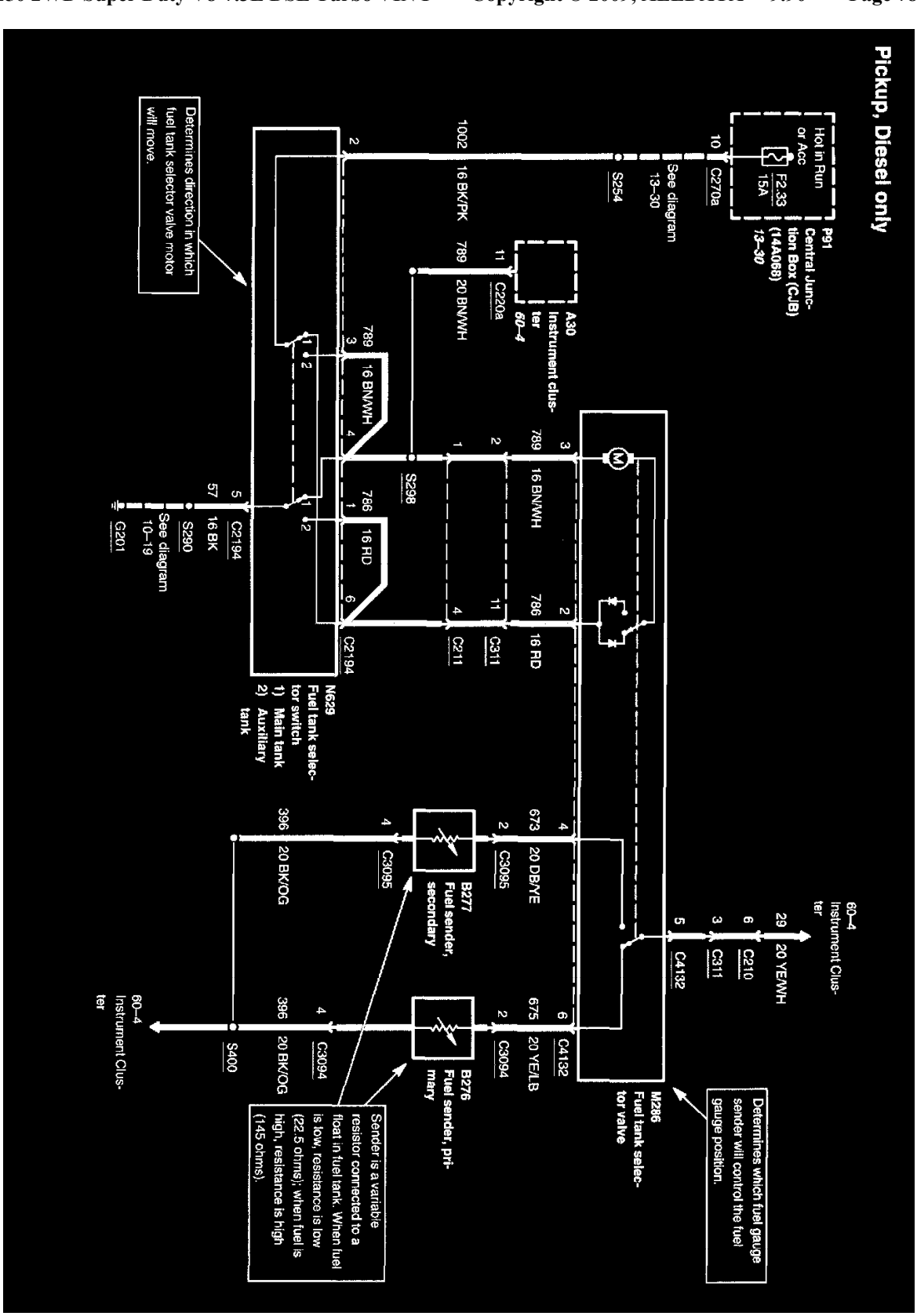

Pickup, Diesel only
Hot in Run or Acc
F2.33 15A
P91 Central Junction Box (CJB) (14A068) 13–30
C270a
10
See diagram 13–30
S254
1002
16 BK/PK
789
20 BN/WH
C220a
11
A30 Instrument cluster 60–4
789
16 BN/WH
3
2
1
S298
786
16 RD
1
6
C2194
N629 Fuel tank selector switch 1) Main tank 2) Auxiliary tank
Determines direction in which fuel tank selector valve motor will move.
5
57
16 BK
C2194
S290
See diagram 10–19
G201
786
16 RD
11
4
C311
C211
2
C4132
M286 Fuel tank selector valve
Determines which fuel gauge sender will control the fuel gauge position.
60–4 Instrument Cluster
29
20 YE/WH
6
C210
3
C311
5
C4132
673
20 DB/YE
4
2
C3095
B277 Fuel sender, secondary
396
20 BK/OG
4
C3095
675
20 YE/LB
6
2
C3094
B276 Fuel sender, primary
396
20 BK/OG
4
C3094
S400
60–4 Instrument Cluster
Sender is a variable resistor connected to a float in fuel tank. When fuel is low, resistance is low (22.5 ohms); when fuel is high, resistance is high (145 ohms).

Diagram 49-1

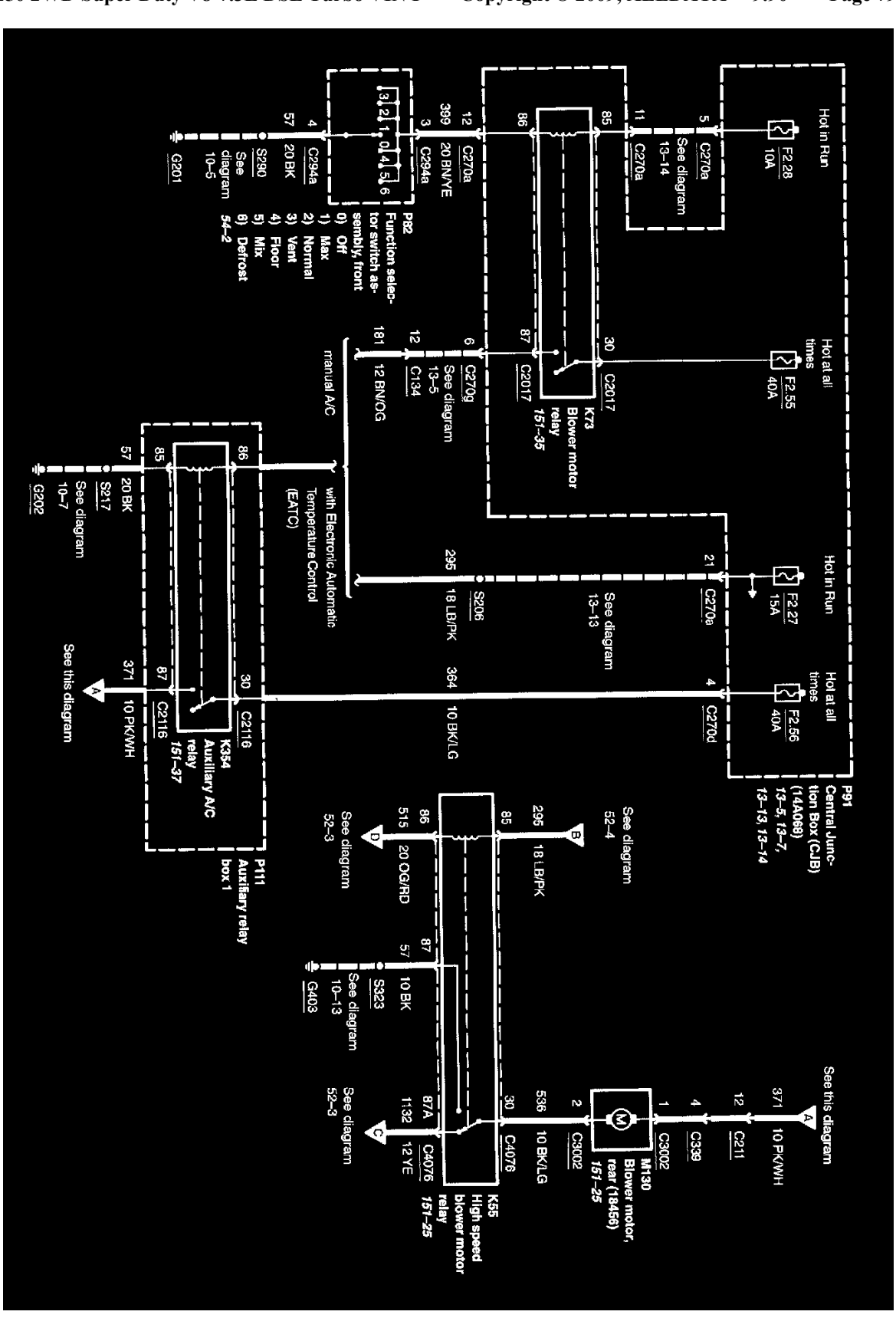

Hot in Run
F2.28
10A
C270a
See diagram 13–14
C270a
Hot at all times
F2.55
40A
C2017
K73
Blower motor relay
151–35
C2017
C270g
See diagram 13–5
C134
12 BN/OG
manual A/C
with Electronic Automatic Temperature Control (EATC)
P82
Function selector switch assembly, front
0) Off
1) Max
2) Normal
3) Vent
4) Floor
5) Mix
6) Defrost
C294a
20 BK
S290
See diagram 10–5
G201
C270a
20 BN/YE
C294a
S217
See diagram 10–7
G202
Hot in Run
F2.27
15A
C270e
See diagram 13–13
S206
18 LB/PK
Hot at all times
F2.56
40A
C270d
P91
Central Junction Box (CJB)
(14A068)
13–5, 13–7, 13–13, 13–14
See diagram 52–4
295
18 LB/PK
See diagram 52–3
515
20 OG/RD
See diagram 52–3
G403
See diagram 10–13
57
10 BK
S323
87
87A
1132
12 YE
C4076
K55
High speed blower motor relay
151–25
C4076
30
536
10 BK/LG
C3002
M130
Blower motor, rear (18456)
151–25
C3002
1
4
12
C339
C211
371
10 PK/WH
See this diagram
364
10 BK/LG
C2116
K354
Auxiliary A/C relay
151–37
C2116
P111
Auxiliary relay box 1
371
10 PK/WH
See this diagram

Diagram 52-2

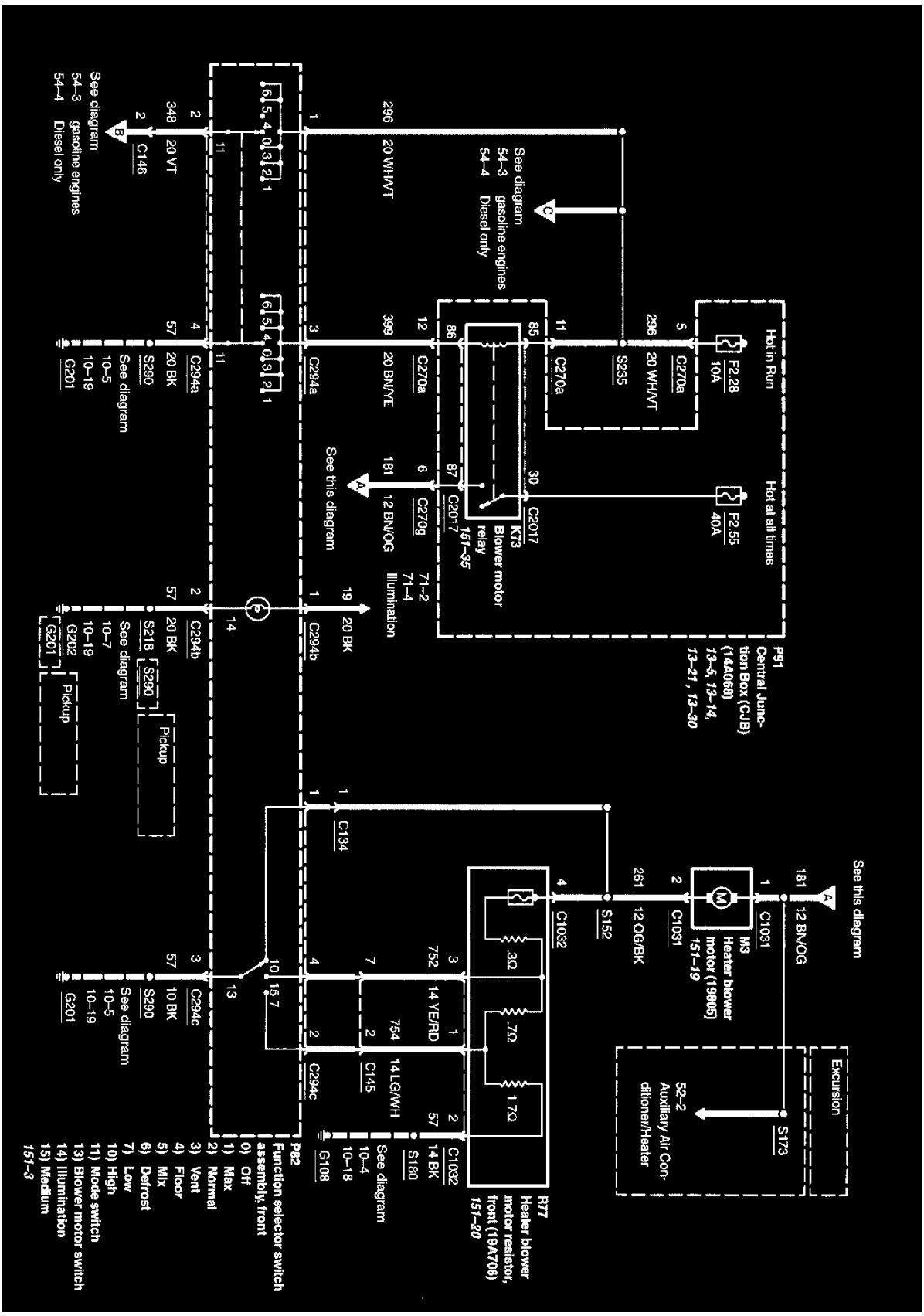

See this diagram
Excursion
181 12 BN/OG
S173
C1031
M3
Heater blower motor (19805)
151–19
C1031
2
1
52–2
Auxiliary Air Conditioner/Heater
261 12 OG/BK
S152
C1032
4
R77
Heater blower motor resistor, front (19A706)
151–20
.3Ω
.7Ω
1.7Ω
3 752 14 YE/RD
754 14 LG/WH
C1032
2 57 14 BK
S180
See diagram 10–4
10–18
G108
C134
1
1
P82
Function selector switch assembly, front
0) Off
1) Max
2) Normal
3) Vent
4) Floor
5) Mix
6) Defrost
7) Low
10) High
11) Mode switch
13) Blower motor switch
14) Illumination
15) Medium
151–3
10 15 7
13
C294c
3 57 10 BK
S290
See diagram 10–5
10–19
G201
C294b
2 57 20 BK
S218
S290
See diagram 10–7
10–19
G202
G201
Pickup
14
C294b
1 19 20 BK
See this diagram
A
C294a
3 399 20 BN/YE
C270a
12 86
181 12 BN/OG 71–2 71–4 Illumination
C270g
6 87
C2017
K73 Blower motor relay
151–35
C2017
30
F2.55 40A
Hot at all times
P91
Central Junction Box (CJB) (14A068)
13–5, 13–14, 13–21, 13–30
C270a
11 85
S235
296 20 WH/VT
C270a
5
F2.28 10A
Hot in Run
See diagram 54–3 gasoline engines 54–4 Diesel only
C
C294a
4 57 20 BK
S290
See diagram 10–5
10–19
G201
C294a
2 348 20 VT
C146
2
B
See diagram 54–3 gasoline engines 54–4 Diesel only
Pickup
Pickup
6 5 4 0 3 2 1
6 5 4 0 3 2 1
11
11
1
296 20 WH/VT

Diagram 54-2

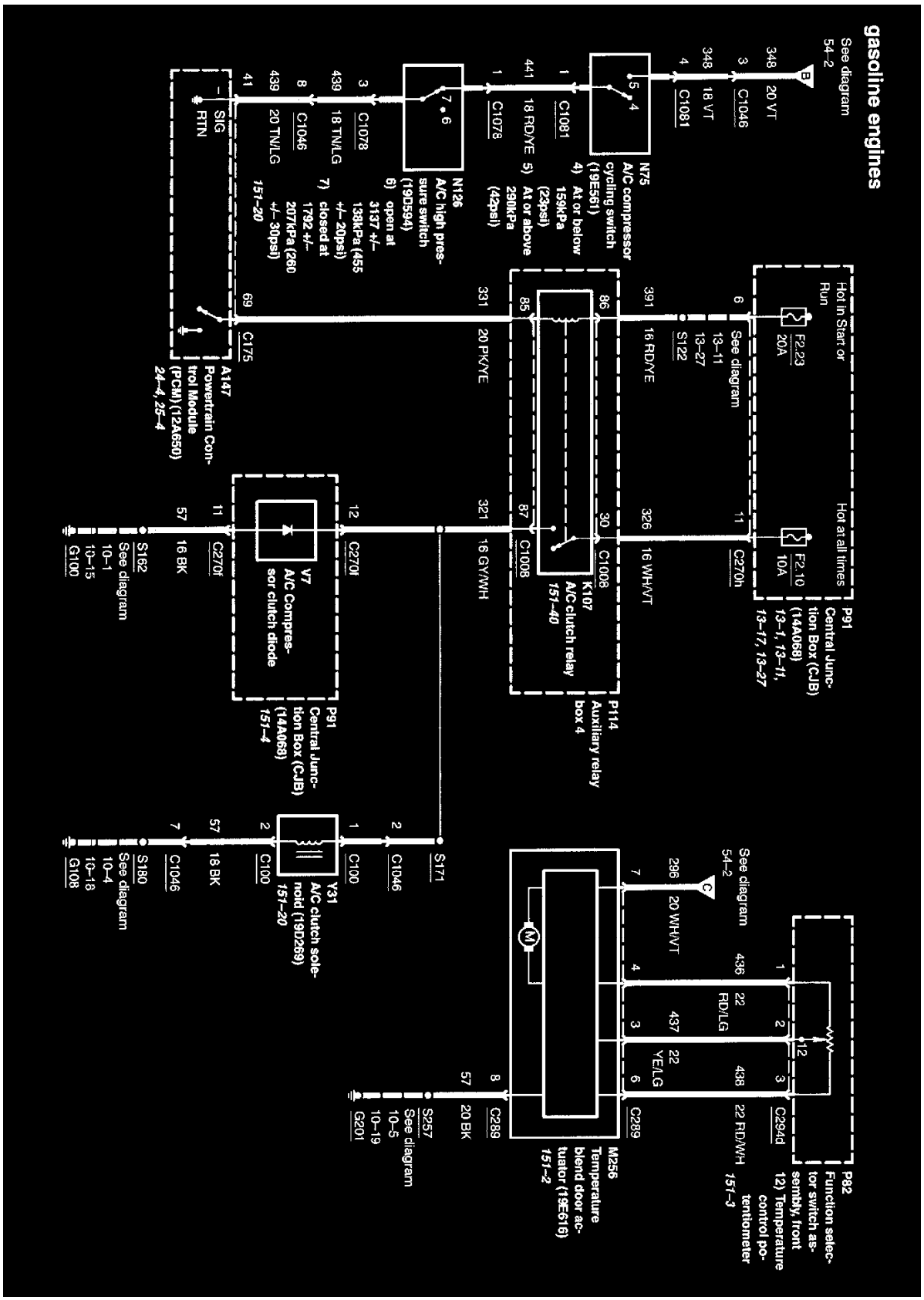

gasoline engines
See diagram 54-2
348 20 VT
C1046
3
348 18 VT
C1081
4
B
Hot in Start or Run
F2.23 20A
Hot at all times
F2.10 10A
P91 Central Junction Box (CJB) (14A068) 13-1, 13-11, 13-17, 13-27
6
See diagram 13-11
13-27
S122
391 16 RD/YE
11
C270h
326 16 WH/VT
N75 A/C compressor cycling switch (19E561)
4) At or below 159kPa (23psi)
5) At or above 290kPa (42psi)
1
C1081
441 18 RD/YE
C1078
1
5
4
331 20 PK/YE
86
85
87
30
C1008
K107 A/C clutch relay 151-40
P114 Auxiliary relay box 4
N126 A/C high pressure switch (19D594)
6) open at 3137 +/- 138kPa (455 +/- 20psi)
7) closed at 1792 +/- 207kPa (260 +/- 30psi)
7
6
3
439 18 TN/LG
C1078
8
439 18 TN/LG
C1046
41
439 20 TN/LG
C175
69
151-20
SIG RTN
A147 Powertrain Control Module (PCM) (12A650)
24-4, 25-4
12
C270f
11
57 16 BK
S162
See diagram 10-1
10-15
G100
V7 A/C Compressor clutch diode
321 16 GY/WH
P91 Central Junction Box (CJB) (14A068) 151-4
S171
2
C1046
1
C100
2
C100
57 18 BK
7
C1046
S180
See diagram 10-4
10-18
G108
Y31 A/C clutch solenoid (19D269) 151-20
P82 Function selector switch assembly, front 12) Temperature control potentiometer 151-3
See diagram 54-2
C
296 20 WH/VT
7
436 22 RD/LG
4
437 22 YE/LG
3
12
1
2
3
438 22 RD/WH
C294d
C289
8
57 20 BK
C289
S257
See diagram 10-5
10-19
G201
M256 Temperature blend door actuator (13E616) 151-2
M

Diagram 54-3

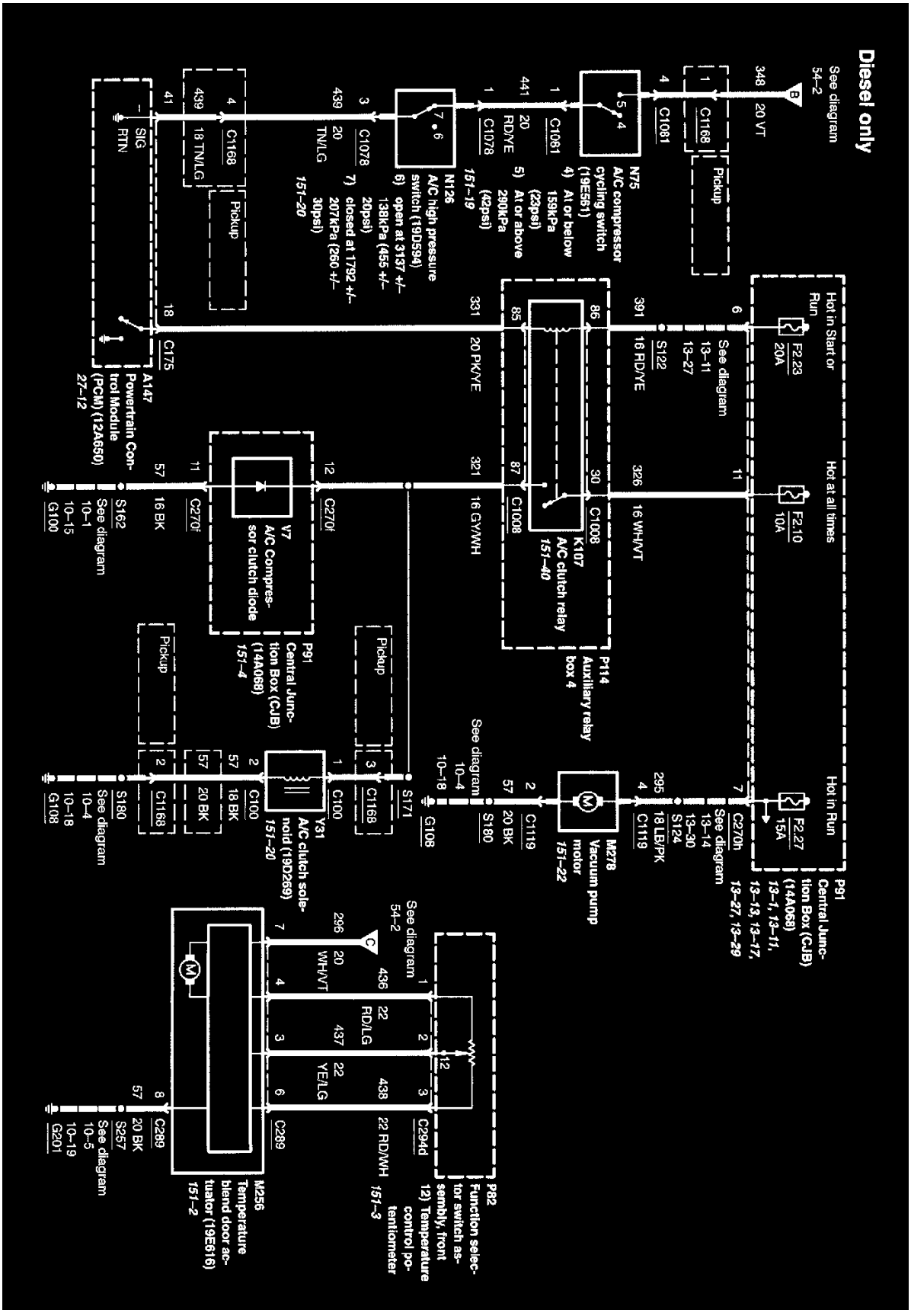

Diesel only
See diagram 54–2
Hot in Start or Run
Hot at all times
Hot in Run
F2.23 20A
F2.10 10A
F2.27 15A
P91 Central Junction Box (CJB) (14A068) 13–1, 13–11, 13–13, 13–17, 13–27, 13–29
348 20 VT
C1168
Pickup
C1061
N75 A/C compressor cycling switch (19E561)
4) At or below 159kPa (23psi)
5) At or above 290kPa (42psi)
6) open at 3137 +/- 138kPa (455 +/- 20psi)
7) closed at 1792 +/- 207kPa (260 +/- 30psi)
151–19
151–20
N126 A/C high pressure switch (19D594)
441 20 RD/YE
C1078
439 20 TN/LG
391 16 RD/YE
S122
See diagram 13–11 13–27
6
11
7
See diagram 13–14
C270h
See diagram 13–27, 13–29
295 18 LB/PK
S124
13–30
C1119
M278 Vacuum pump motor 151–22
331 20 PK/YE
85
86
87
30
326 16 WH/VT
C1008
K107 A/C clutch relay 151–40
P114 Auxiliary relay box 4
See diagram 10–4 10–18
G108
S171
S180
2 57 20 BK
C1119
C175
A147 Powertrain Control Module (PCM) (12A650) 27–12
SIG RTN
41 439 4 C1168 18 TN/LG
18
57 16 BK
S162
See diagram 10–1 10–15
G100
11
C270f
12
V7 A/C Compressor clutch diode
321 16 GY/WH
P91 Central Junction Box (CJB) (14A068) 151–4
Pickup
C100
2 57 18 BK
S180
See diagram 10–4
10–18
G108
1
C100
Y31 A/C clutch solenoid (19D269) 151–20
3
C1168
2 57 20 BK
C1168
S180
See diagram 10–4
10–18
G108
See diagram 54–2
C
296 20 WH/VT
436 22 RD/LG
437 22 YE/LG
438 22 RD/WH
7
4
3
2
12
3
C294d
P82 Function selector switch assembly, front
12) Temperature control potentiometer 151–3
8 57
C289
20 BK
S257
See diagram 10–5
10–19
G201
C289
M256 Temperature blend door actuator (19E616) 151–2

Diagram 54-4

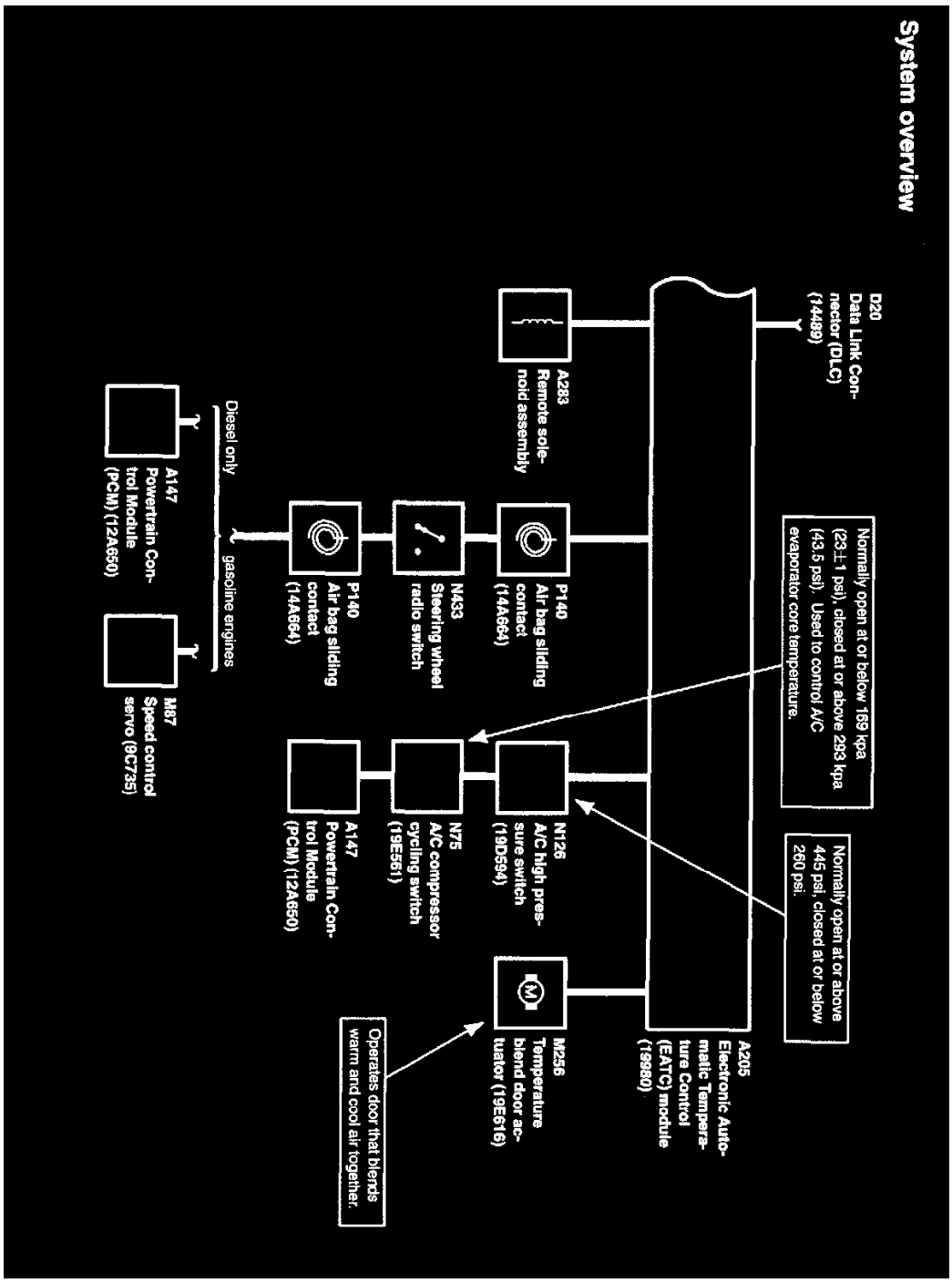

System overview
D20
Data Link Connector (DLC)
(14489)
A283
Remote solenoid assembly
Normally open at or below 169 kpa (23±1 psi), closed at or above 293 kpa (43.5 psi). Used to control A/C evaporator core temperature.
Normally open at or above 445 psi, closed at or below 260 psi.
A205
Electronic Automatic Temperature Control (EATC) module
(19980)
P140
Air bag sliding contact
(14A664)
N433
Steering wheel radio switch
P140
Air bag sliding contact
(14A664)
Diesel only
gasoline engines
A147
Powertrain Control Module
(PCM) (12A650)
M87
Speed control servo (8C735)
N126
A/C high pressure switch
(19D594)
N75
A/C compressor cycling switch
(19E561)
A147
Powertrain Control Module
(PCM) (12A650)
M256
Temperature blend door actuator (19E616)
Operates door that blends warm and cool air together.

Diagram 55-2

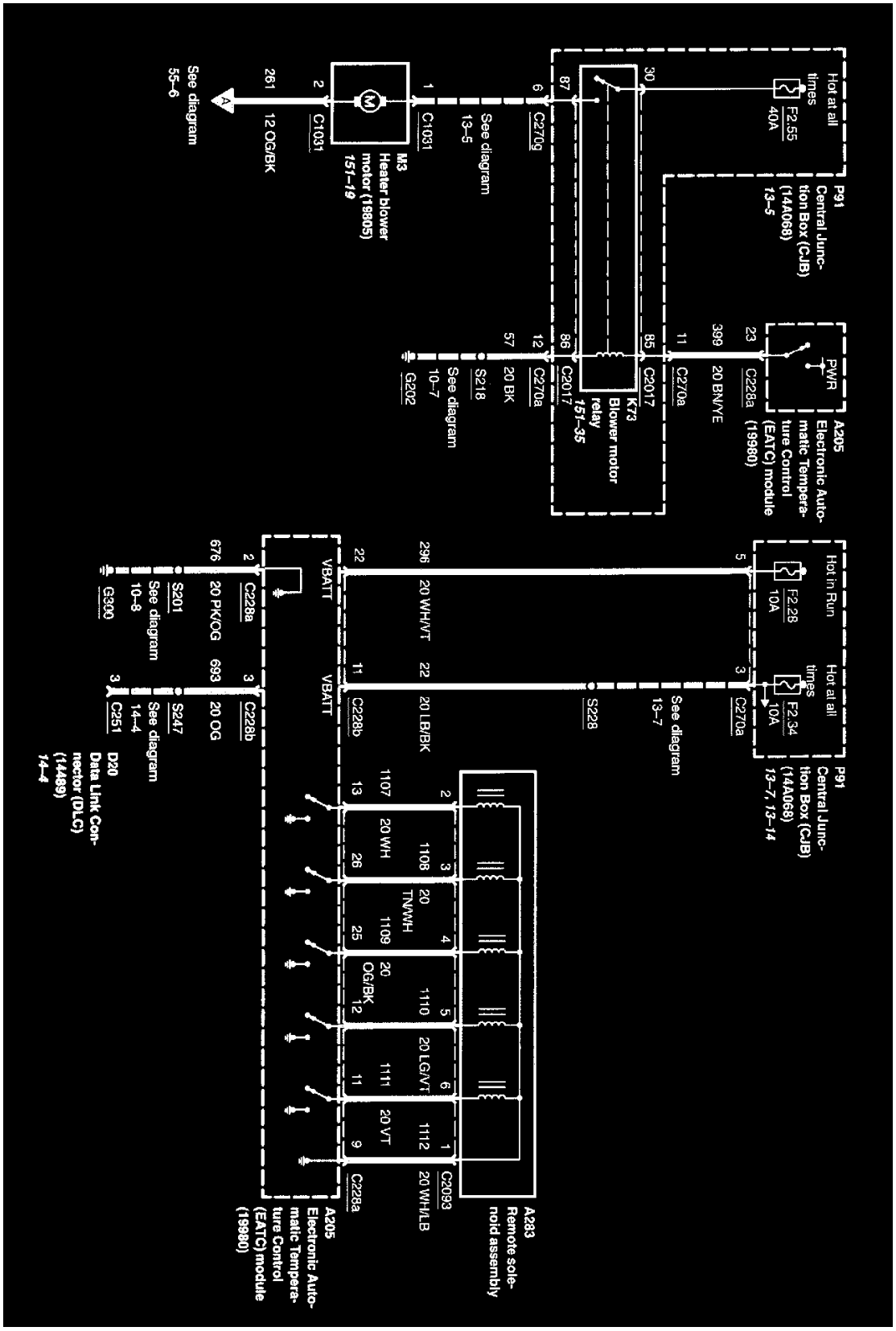

Hot at all times
F2.55 40A
P91 Central Junction Box (CJB) (14A068) 13–5
PWR
A205 Electronic Automatic Temperature Control (EATC) module (19980)
C228a
23
399 20 BN/YE
30
87
6
C270g
See diagram 13–5
1
C1031
2
261 12 OG/BK
C1031
M3 Heater blower motor (19805) 151–19
See diagram 55–6
11
C270a
85
C2017
K73 Blower motor relay 151–35
86
C2017
12
C270a
57 20 BK
S218
See diagram 10–7
G202
Hot in Run
F2.28 10A
5
296 20 WH/VT
22
VBATT
C228a
2
676 20 PK/OG
S201
See diagram 10–8
G300
Hot at all times
F2.34 10A
3
See diagram 13–7
S228
C270a
P91 Central Junction Box (CJB) (14A068) 13–7, 13–14
A283 Remote solenoid assembly
2
1107 20 LB/BK
C228b
11
VBATT
C228b
3
693 20 OG
S247
See diagram 14–4
3
C251
D20 Data Link Connector (DLC) (14489) 14–4
3
1108 20 WH
13
26
4
1109 20 TN/WH
25
5
1110 20 OG/BK
12
6
1111 20 LG/VT
11
1
1112 20 VT
9
C2093
20 WH/LB
C228a
A205 Electronic Automatic Temperature Control (EATC) module (19980)

Diagram 55-3

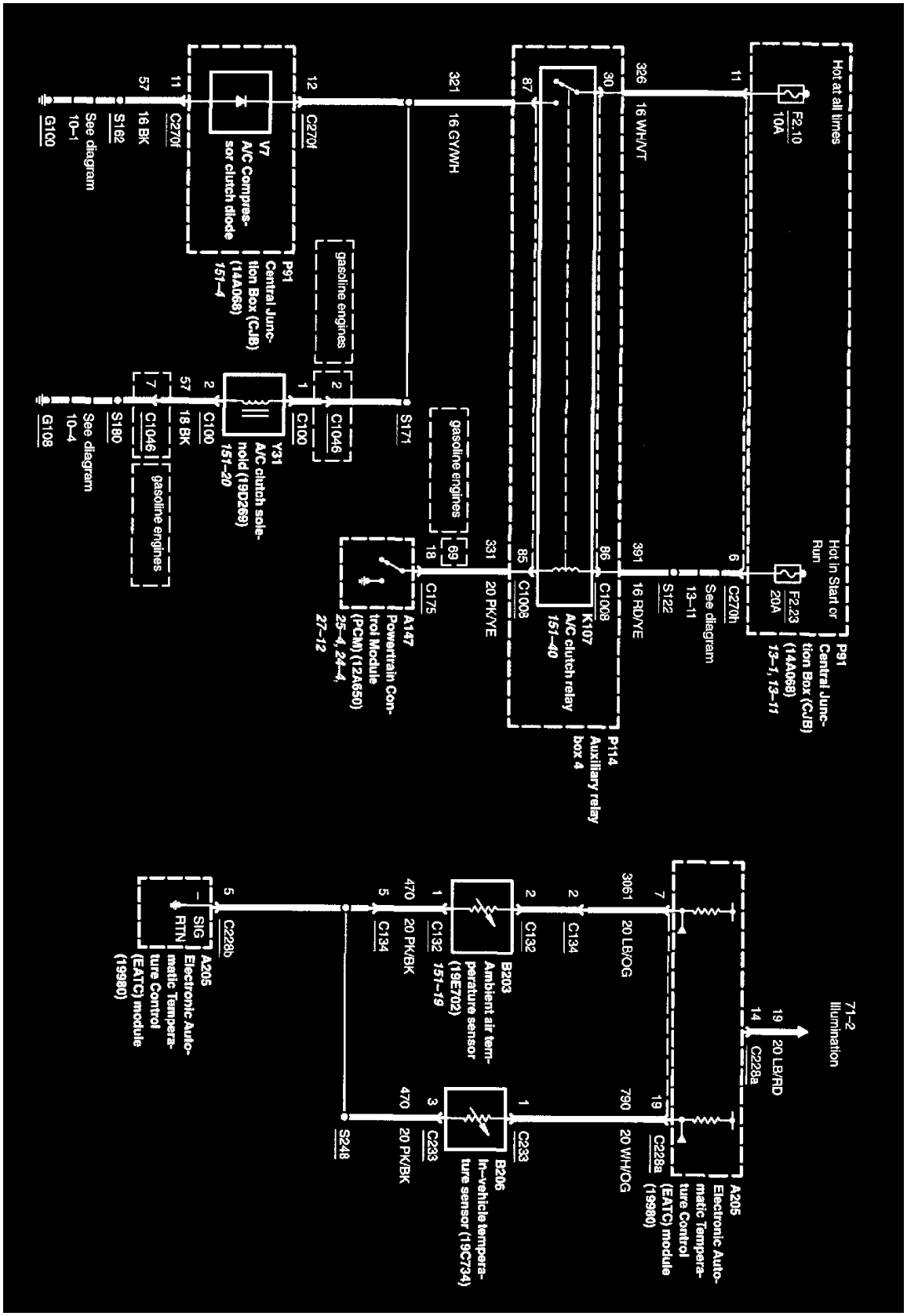

Hot at all times
F2.10
10A
Hot in Start or Run
F2.23
20A
P91
Central Junction Box (CJB)
(14A068)
13–1, 13–11
11
326
16 WH/NT
6
C270h
See diagram
13–11
S122
391
16 RD/YE
30
86
C1008
K107
A/C clutch relay
151–40
87
85
C1008
P114
Auxiliary relay box 4
331
20 PK/YE
321
16 GY/WH
69
18
C175
A147
Powertrain Control Module (PCM) (12A650)
25–4, 24–4, 27–12
gasoline engines
S171
C1046
C100
Y31
A/C clutch solenoid (19D269)
151–20
2
1
57
18 BK
C100
S180
See diagram 10–4
G108
12
C270f
11
C270f
V7
A/C Compressor clutch diode
P91
Central Junction Box (CJB)
(14A068)
151–4
57
16 BK
S182
See diagram 10–1
G100
71–2
Illumination
19
14
20 LB/RD
C228a
A205
Electronic Automatic Temperature Control (EATC) module
(19980)
7
19
3061
20 LB/OG
790
20 WH/OG
C228a
2
C134
C132
1
C233
B203
Ambient air temperature sensor (19E702)
B206
In–vehicle temperature sensor (19C734)
1
C132
151–19
470
20 PK/BK
C134
5
S248
3
C233
C228b
5
SIG RTN
A205
Electronic Automatic Temperature Control (EATC) module
(19980)

Diagram 55-4

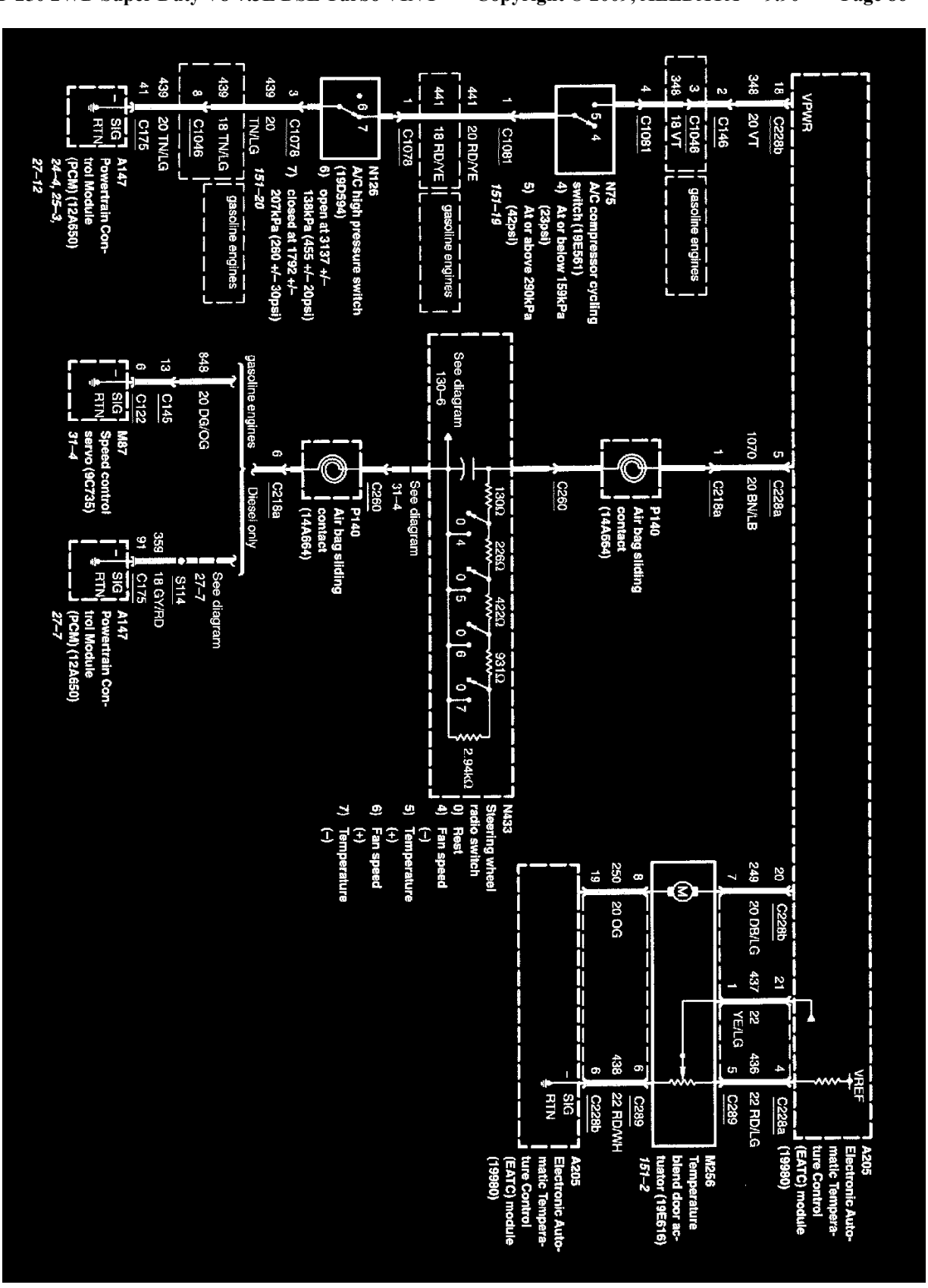

A205
Electronic Automatic Temperature Control (EATC) module (19980)
VPWR
VREF
C228b
C228a
C289
M256
Temperature blend door actuator (19E616)
151–2
C1081
C146
C1048
C1046
C1078
C260
C218a
C145
C122
C175
S114
N75
A/C compressor cycling switch (19E561)
4) At or below 159kPa (23psi)
5) At or above 290kPa (42psi)
151–19
P140
Air bag sliding contact (14A664)
N126
A/C high pressure switch (19D594)
6) open at 3137 +/– 138kPa (455 +/– 20psi)
7) closed at 1792 +/– 207kPa (260 +/– 30psi)
151–20
N433
Steering wheel radio switch
0) Rest
4) Fan speed (–)
5) Temperature (+)
6) Fan speed (+)
7) Temperature (–)
A147
Powertrain Control Module (PCM) (12A650)
24–4, 25–3, 27–12
27–7
31–4
130–6
gasoline engines
Diesel only
See diagram
1300Ω
2260Ω
4220Ω
9310Ω
2.94kΩ
18 VT
20 VT
20 BN/LB
20 DB/LG
20 OG
22 RD/LG
22 RD/WH
18 RD/YE
20 RD/YE
18 TN/LG
20 TN/LG
20 DG/OG
18 GY/RD
YE/LG
TN/LG
SIG
RTN

Diagram 55-5

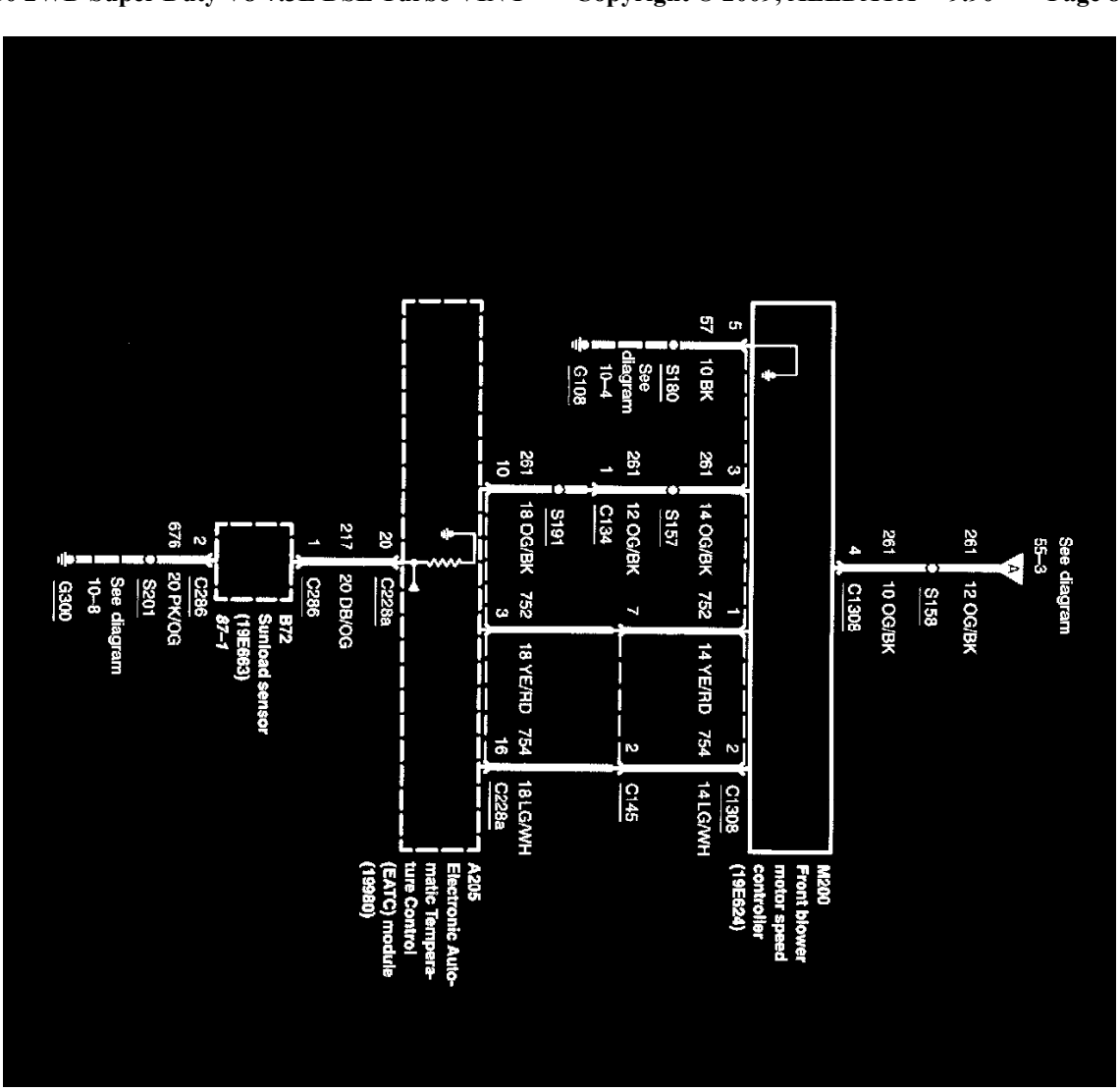

See diagram 55–3
A
261
12 OG/BK
S158
261
10 OG/BK
4
C1308
M200
Front blower motor speed controller (19E624)
5
57
10 BK
S180
See diagram 10–4
G108
261
3
14 OG/BK
752
1
14 YE/RD
754
2
C1308
14 LG/WH
261
1
12 OG/BK
7
2
C145
261
10
18 OG/BK
752
3
18 YE/RD
754
16
C228a
18 LG/WH
A205
Electronic Automatic Temperature Control (EATC) module (19980)
20
C228a
217
1
20 DB/OG
C286
B72
Sunload sensor (19E863)
87–1
2
676
C286
20 PK/OG
S201
See diagram 10–8
G300

Diagram 55-6

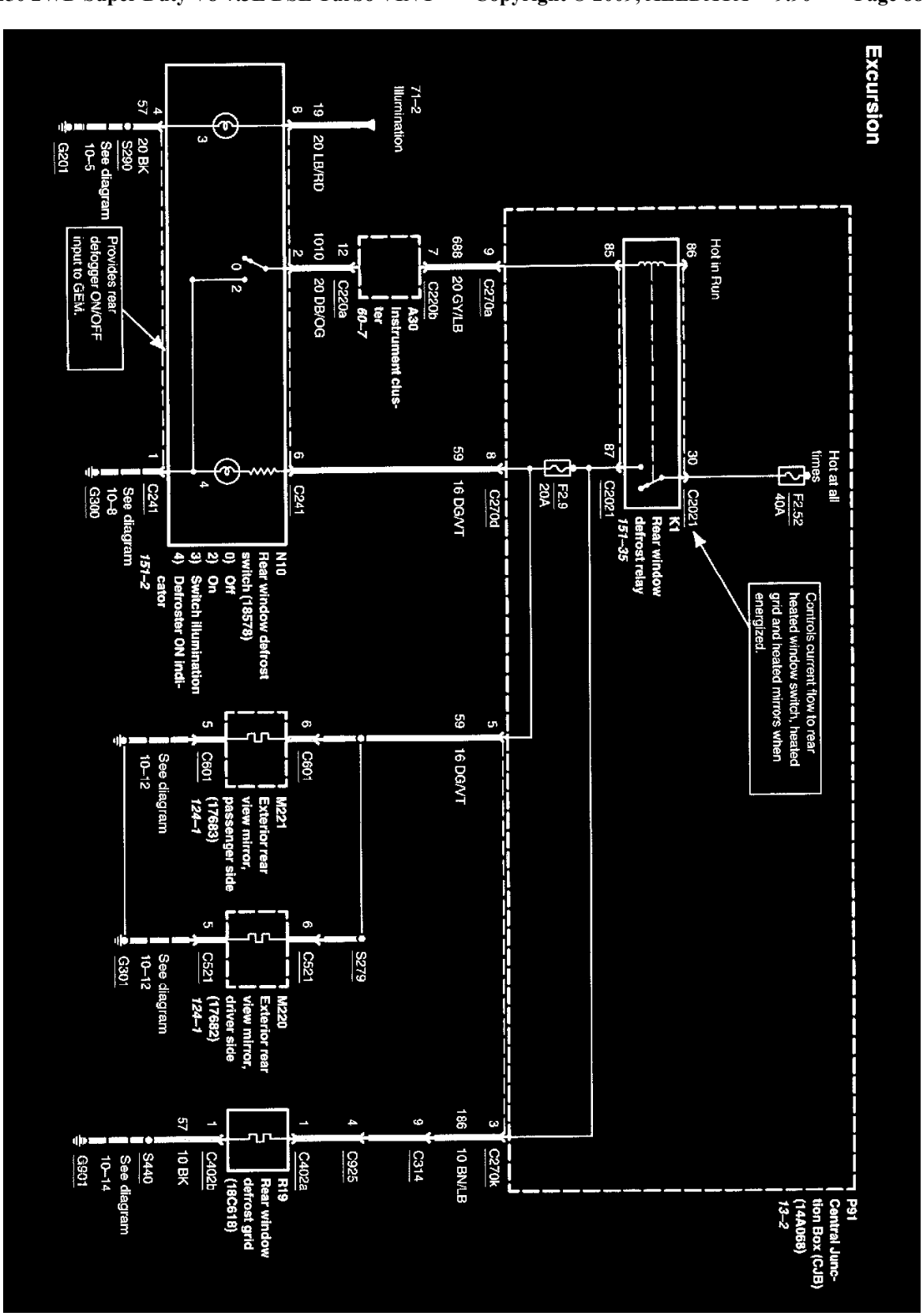

Excursion
Hot at all times
F2.52 40A
Hot in Run
Controls current flow to rear heated window switch, heated grid and heated mirrors when energized.
C2021 K1 Rear window defrost relay 151–35
F2.9 20A
P91 Central Junction Box (CJB) (14A068) 13–2
C270a
C270d
C270k
C220b A30 Instrument cluster 60–7
C220a
71–2 Illumination
20 LB/RD
20 DB/OG
20 GY/LB
16 DG/VT
10 BN/LB
C241
See diagram 10–8 G300
N10 Rear window defrost switch (18578) 0) Off 2) On 3) Switch illumination 4) Defroster ON indicator 151–2
20 BK S290 See diagram 10–5 G201
Provides rear defogger ON/OFF input to GEM.
C601 124–1 M221 Exterior rear view mirror, passenger side (17683)
C521 124–1 M220 Exterior rear view mirror, driver side (17682)
See diagram 10–12
S279
C925
C314
C402a
C402b
R19 Rear window defrost grid (18C618)
10 BK
S440
See diagram 10–14 G301

Diagram 56-1

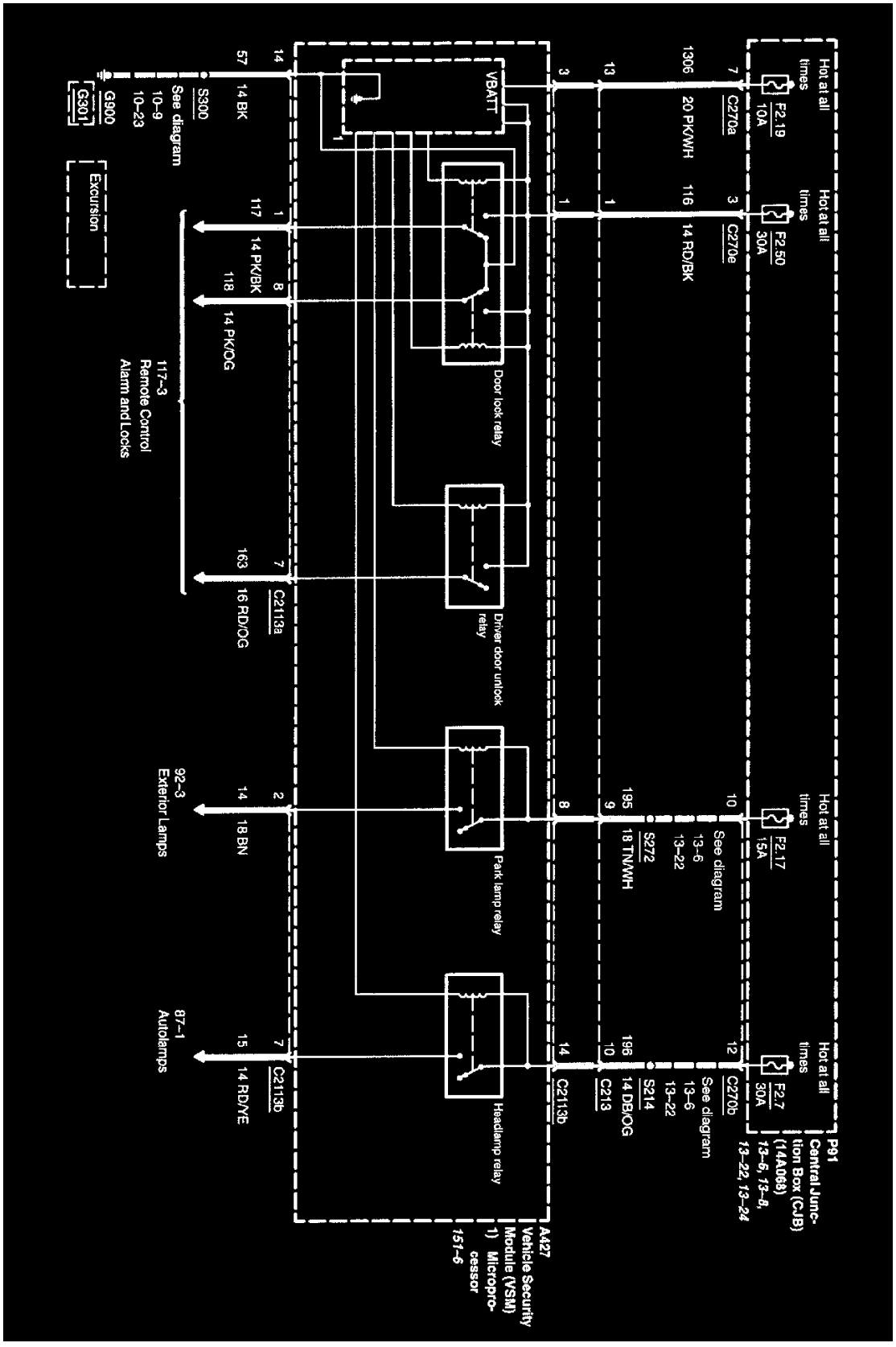

Hot at all times
F2.19
10A
C270a
7
1306
20 PK/WH
13
3
1
Hot at all times
F2.50
30A
C270e
3
116
14 RD/BK
1
Hot at all times
F2.17
15A
10
See diagram
13-6
13-22
S272
195
18 TN/WH
9
8
Hot at all times
F2.7
30A
12
C270b
See diagram
13-6
13-22
S214
196
14 DB/OG
10
C213
P91
Central Junction Box (CJB)
(14A068)
13-6, 13-8,
13-22, 13-24
VBATT
Door lock relay
Driver door unlock relay
Park lamp relay
Headlamp relay
14
C2113b
A427
Vehicle Security Module (VSM)
1) Microprocessor
151-6
14
57
14 BK
S300
See diagram
10-9
10-23
G900
G301
Excursion
1
117
14 PK/BK
8
118
14 PK/OG
117-3
Remote Control Alarm and Locks
7
163
16 RD/OG
C2113a
2
14
18 BN
92-3
Exterior Lamps
7
15
14 RD/YE
87-1
Autolamps

Diagram 59-1

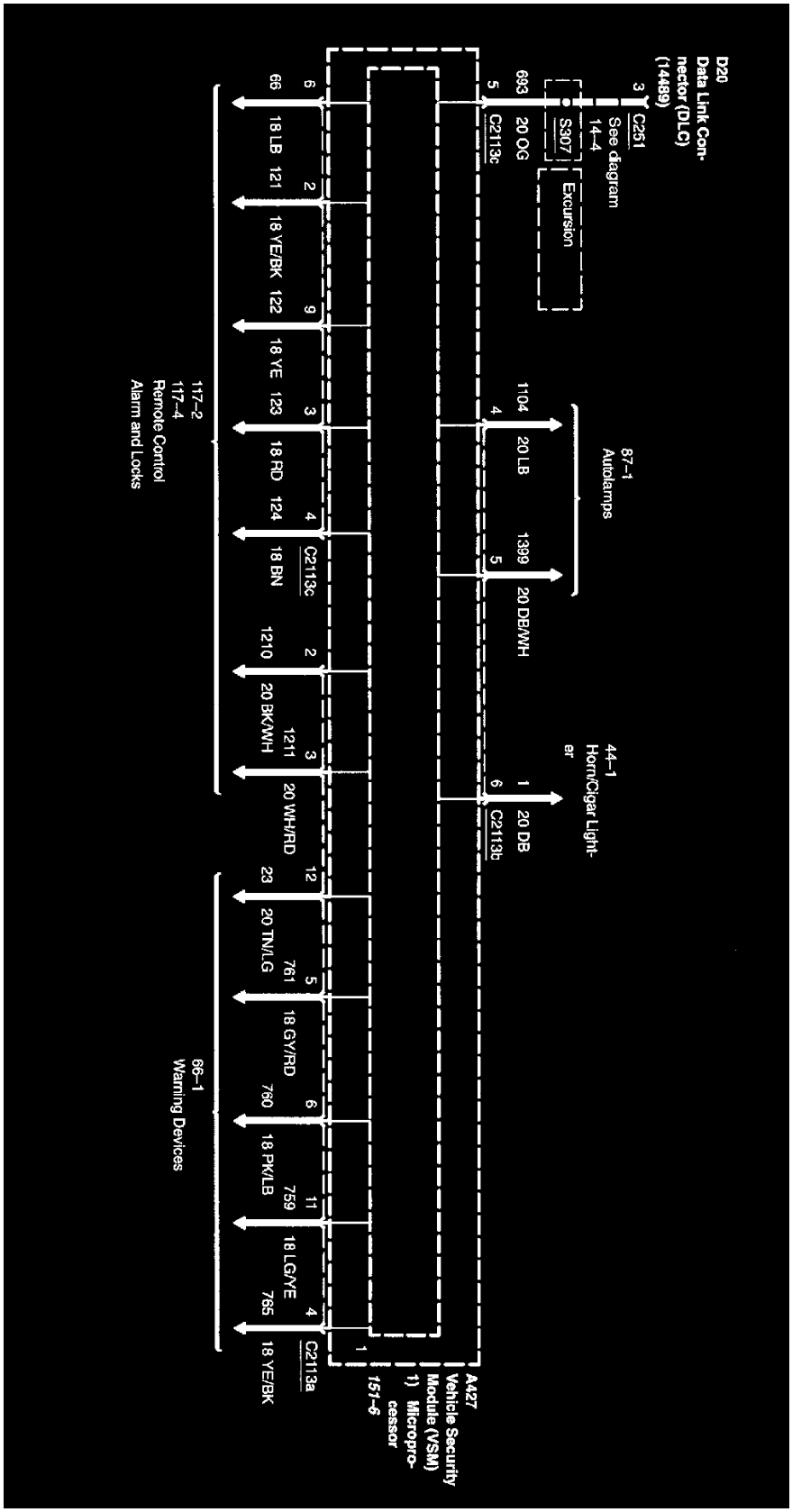

D20
Data Link Connector (DLC)
(14489)
3
C251
See diagram 14-4
S307
Excursion
693
20 OG
5
C2113c
6
66
18 LB
121
2
18 YE/BK
122
9
18 YE
123
3
18 RD
124
4
C2113c
18 BN
1210
2
20 BK/WH
1211
3
20 WH/RD
23
12
20 TN/LG
761
5
18 GY/RD
780
6
18 PK/LB
759
11
18 LG/YE
765
4
C2113a
18 YE/BK
1
117-2
117-4
Remote Control Alarm and Locks
66-1
Warning Devices
87-1
Autolamps
1104
20 LB
4
1399
20 DB/WH
5
44-1
Horn/Cigar Lighter
1
20 DB
6
C2113b
A427
Vehicle Security Module (VSM)
1) Microprocessor
151-6

Diagram 59-2

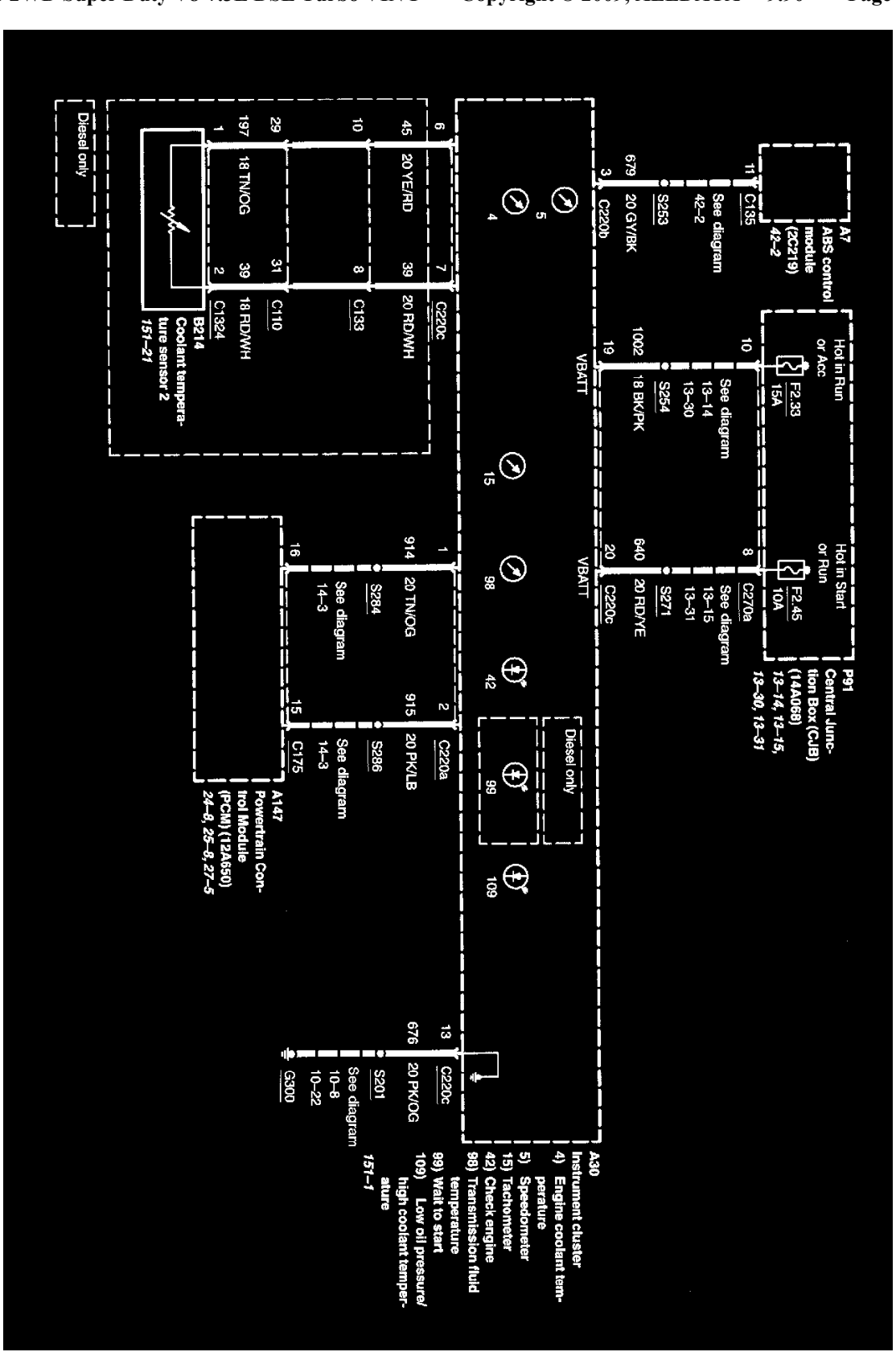

A7
ABS control module (2C219)
42–2
11
C135
See diagram 42–2
S253
679
20 GY/BK
3
C220b
Hot in Run or Acc
F2.33 15A
10
See diagram 13–14 13–30
S254
1002
18 BK/PK
19
VBATT
Hot in Start or Run
F2.45 10A
8
C270a
See diagram 13–15 13–31
S271
640
20 RD/YE
20
C220c
VBATT
P91
Central Junction Box (CJB)
(14A068)
13–14, 13–15, 13–30, 13–31
A30
Instrument cluster
4) Engine coolant temperature
5) Speedometer
15) Tachometer
42) Check engine
98) Transmission fluid temperature
99) Wait to start
109) Low oil pressure/high coolant temperature
151–1
Diesel only
6
45
20 YE/RD
10
7
C220c
39
20 RD/WH
8
C133
C110
29
197
18 TN/OG
31
39
18 RD/WH
1
2
C1324
B214
Coolant temperature sensor 2
151–21
Diesel only
1
914
20 TN/OG
S284
See diagram 14–3
16
2
915
20 PK/LB
S286
See diagram 14–3
15
C175
A147
Powertrain Control Module (PCM) (12A650)
24–8, 25–8, 27–5
13
676
20 PK/OG
S201
See diagram 151–1
10–8
10–22
G300
C220a
C220c
98
42
99
109
15

Diagram 60-2

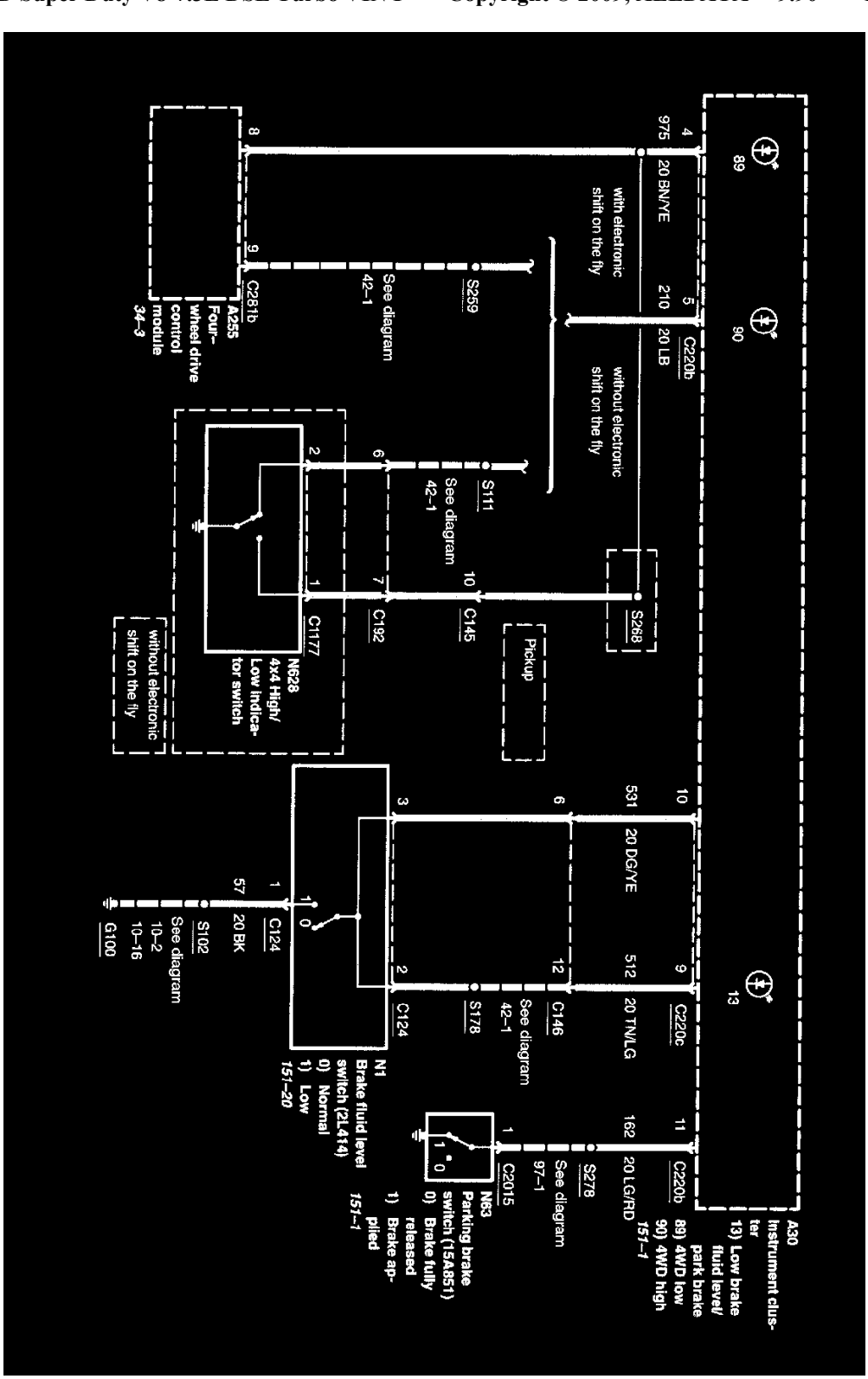

A30
Instrument cluster
13) Low brake fluid level/ park brake
89) 4WD low
90) 4WD high
151–1
89
90
13
4
975
20 BN/YE
5
210
20 LB
C220b
with electronic shift on the fly
without electronic shift on the fly
8
9
C281b
A255
Four-wheel drive control module
34–3
See diagram 42–1
S259
S111
See diagram 42–1
2
6
1
7
C1177
N628
4x4 High/ Low indicator switch
C192
without electronic shift on the fly
10
C145
S268
Pickup
10
531
20 DG/YE
9
512
20 TN/LG
C220c
11
162
20 LG/RD
C220b
6
12
C146
See diagram 42–1
S178
S278
See diagram 97–1
1
C2015
N63
Parking brake switch (15A851)
0) Brake fully released
1) Brake applied
151–1
3
2
C124
1
57
20 BK
C124
S102
See diagram 10–2
10–16
G100
N1
Brake fluid level switch (2L414)
0) Normal
1) Low
151–20

Diagram 60-3

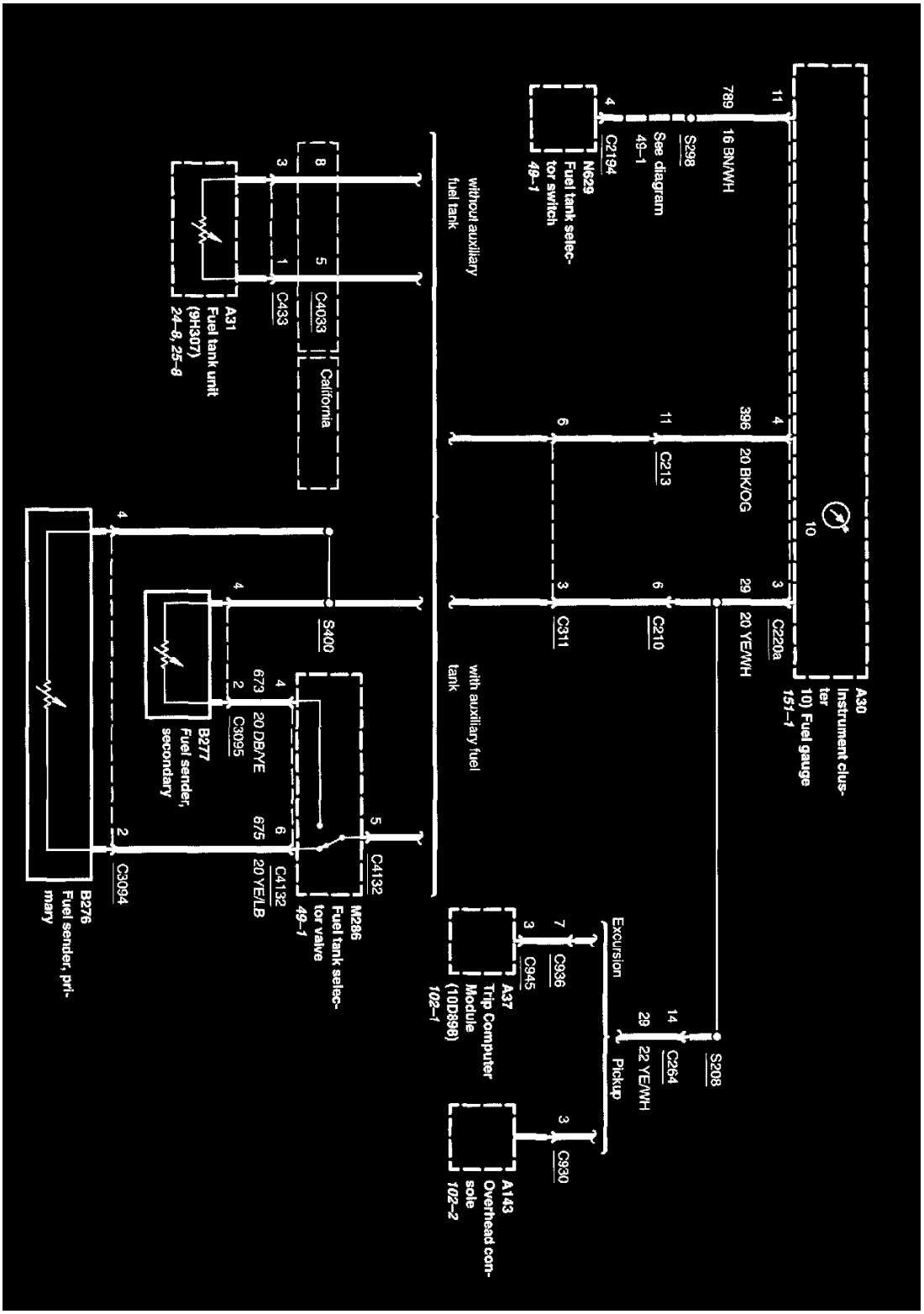

A30
Instrument cluster
10) Fuel gauge
151–1
C220a
20 YE/WH
20 BK/OG
396
20 BN/WH
789
S298
See diagram 49–1
C2194
N629
Fuel tank selector switch
49–1
without auxiliary fuel tank
with auxiliary fuel tank
C213
C210
C311
S208
C264
22 YE/WH
Excursion
Pickup
C936
C945
A37
Trip Computer Module
(10D898)
102–1
C930
A143
Overhead console
102–2
C4033
California
C433
A31
Fuel tank unit
(9H307)
24–8, 25–9
S400
C4132
M286
Fuel tank selector valve
49–1
20 DB/YE
673
C3095
B277
Fuel sender, secondary
20 YE/LB
675
C3094
B276
Fuel sender, primary

Diagram 60-4

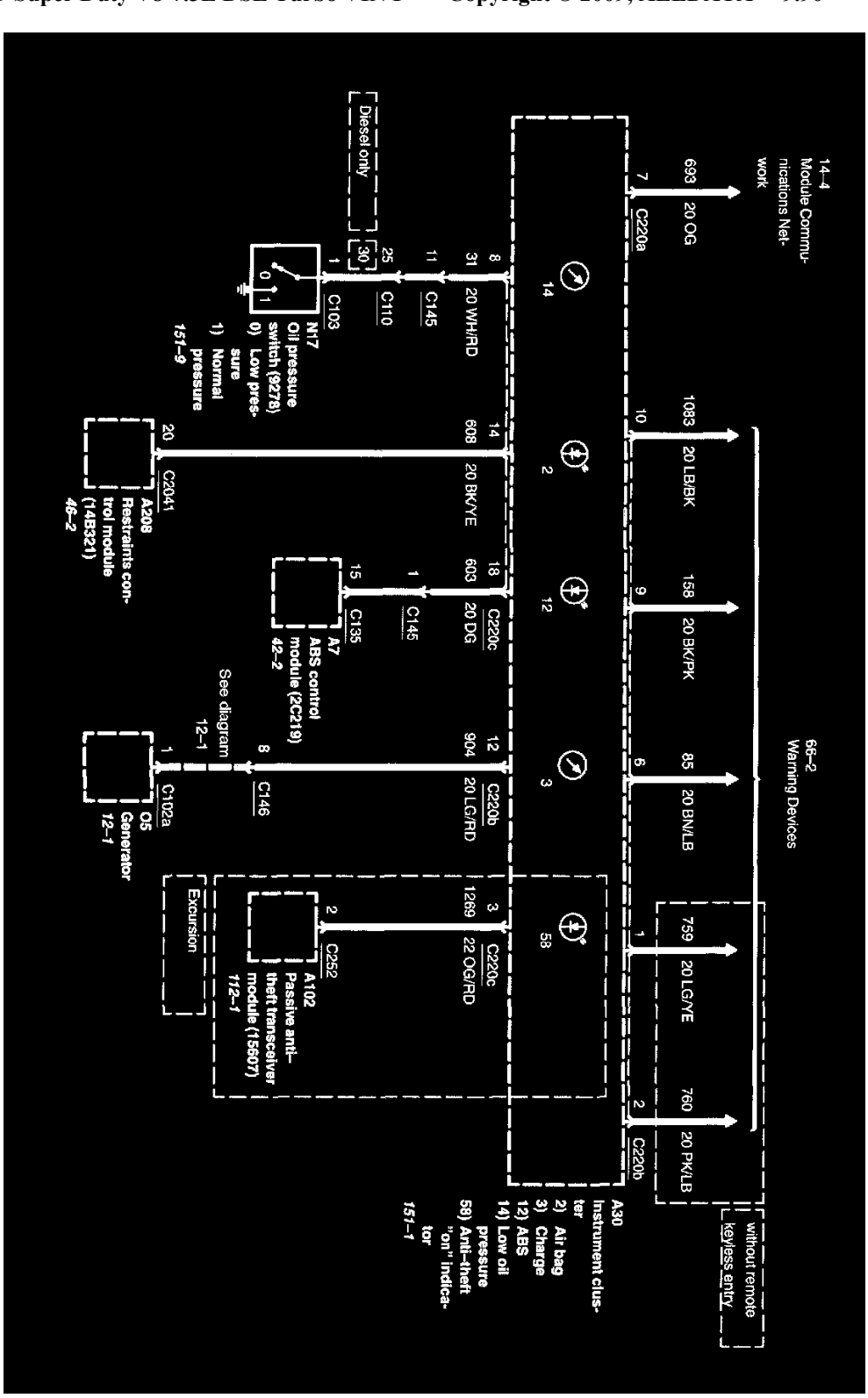

14-4
Module Communications Network
693
20 OG
7
C220a
1083
20 LB/BK
10
158
20 BK/PK
9
85
20 BN/LB
6
66-2
Warning Devices
759
20 LG/YE
1
760
20 PK/LB
2
C220b
without remote keyless entry
A30
Instrument cluster
2) Air bag
3) Charge
12) ABS
14) Low oil pressure
58) Anti-theft "on" indicator
151-1
58
3
1269
C220c
22 OG/RD
2
C252
A102
Passive anti-theft transceiver module (15607)
172-1
Excursion
904
20 LG/RD
12
C220b
3
608
20 BK/YE
14
C220c
2
603
20 DG
18
C145
1
C135
15
A7
ABS control module (2C219)
42-2
See diagram
12-1
C146
8
C102a
1
O5
Generator
12-1
2
31
20 WH/RD
8
C145
11
C110
25
C103
1
30
N17
Oil pressure switch (9278)
0) Low pressure
1) Normal pressure
151-9
Diesel only
20
C2041
A208
Restraints control module (14B321)
46-2
14

Diagram 60-5

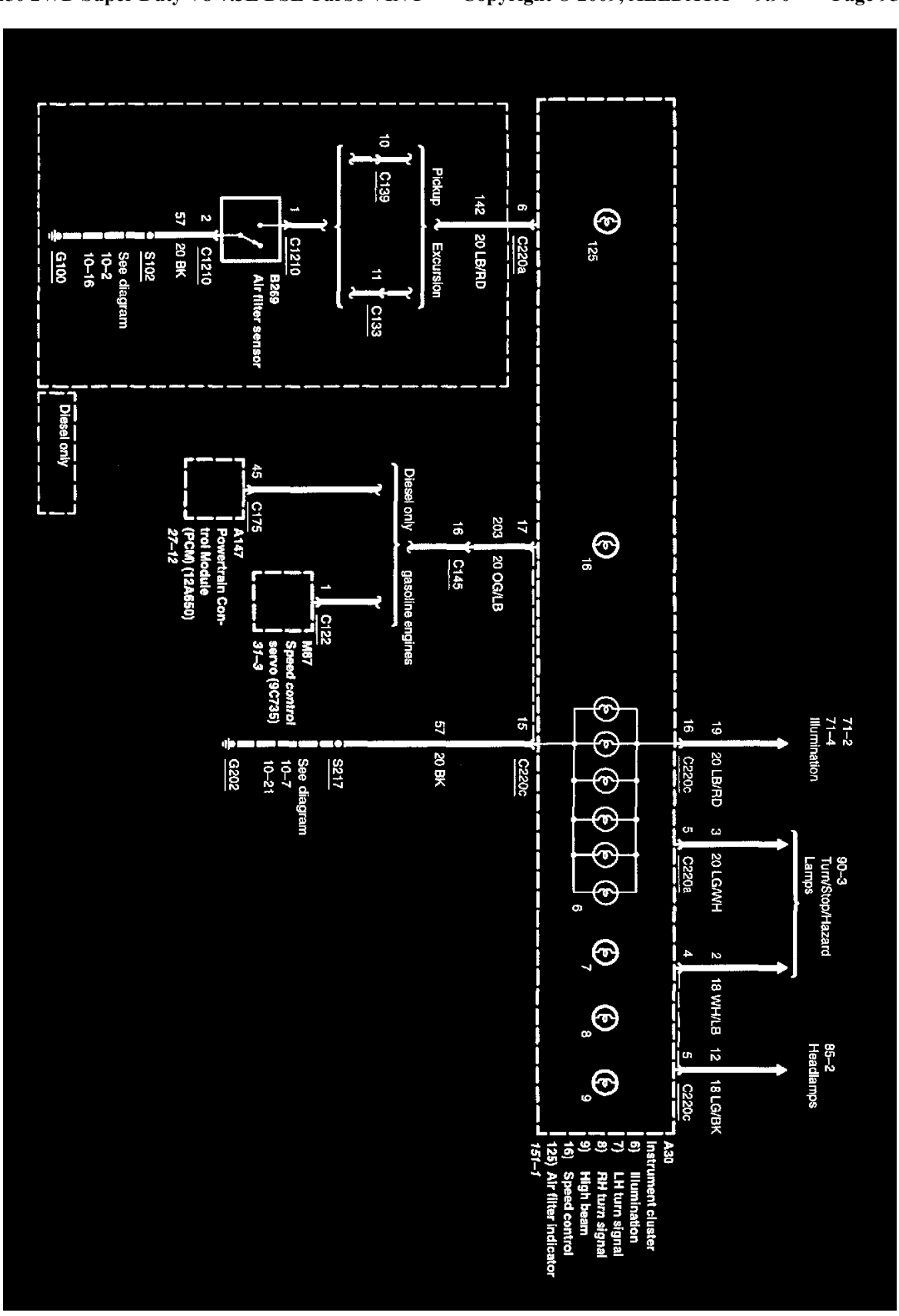

71–2
71–4
Illumination
90–3
Turn/Stop/Hazard
Lamps
85–2
Headlamps
19 20 LB/RD
3 20 LG/WH
2 18 WH/LB
12 18 LG/BK
16 C220c
5 C220a
4
5 C220c
A30
Instrument cluster
6) Illumination
7) LH turn signal
8) RH turn signal
9) High beam
16) Speed control
125) Air filter indicator
151–1
125
16
6
7
8
9
6 C220a
142 20 LB/RD
Pickup
Excursion
10 C139
11 C133
1 C1210
B269
Air filter sensor
2 C1210
57 20 BK
S102
See diagram
10–2
10–16
G100
Diesel only
17
203 20 OG/LB
16 C145
Diesel only
gasoline engines
15 C220c
57 20 BK
S217
See diagram
10–7
10–21
G202
1 C122
M87
Speed control
servo (9C735)
37–3
45 C175
A147
Powertrain Control Module
(PCM) (12A650)
27–12
Diesel only

Diagram 60-6

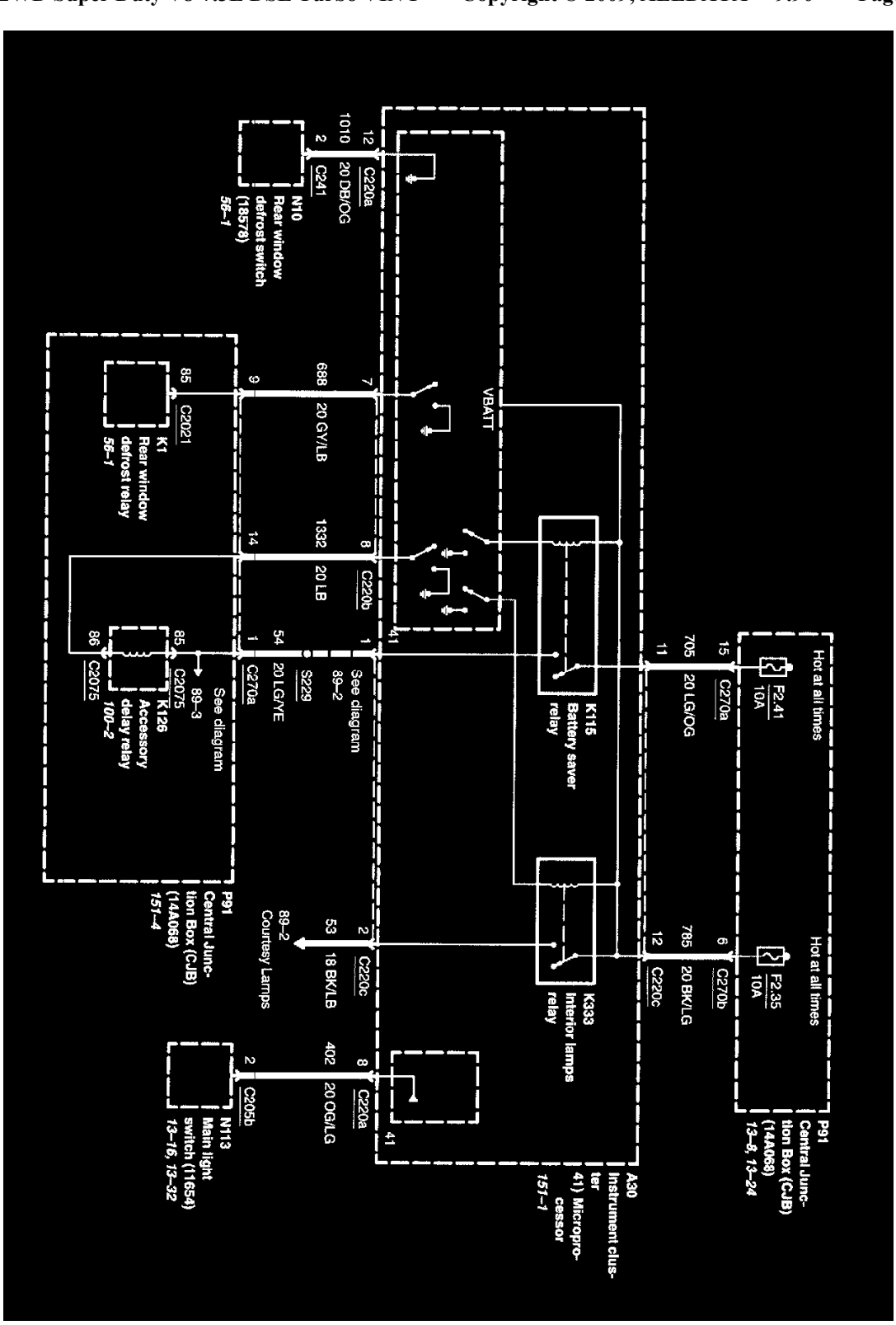

Hot at all times
F2.41
10A
C270a
15
705
20 LG/OG
11
P91
Central Junction Box (CJB)
(14A068)
13–9, 13–24
Hot at all times
F2.35
10A
C270b
6
785
20 BK/LG
12
C220c
A30
Instrument cluster
41) Microprocessor
151–1
K115
Battery saver
relay
K333
Interior lamps
relay
VBATT
41
12
1010
2
C220a
20 DB/OG
C241
N10
Rear window
defrost switch
(18578)
56–1
7
688
20 GY/LB
8
1332
20 LB
C220b
1
14
9
54
20 LG/YE
1
C270a
See diagram
89–2
S229
89–2
Courtesy Lamps
53
18 BK/LB
2
C220c
8
402
20 OG/LG
C220a
41
2
C205b
N113
Main light
switch (11654)
13–16, 13–32
85
C2021
K1
Rear window
defrost relay
56–1
85
C2075
K126
Accessory
delay relay
100–2
86
C2075
See diagram
89–3
P91
Central Junction Box (CJB)
(14A068)
151–4

Diagram 60-7

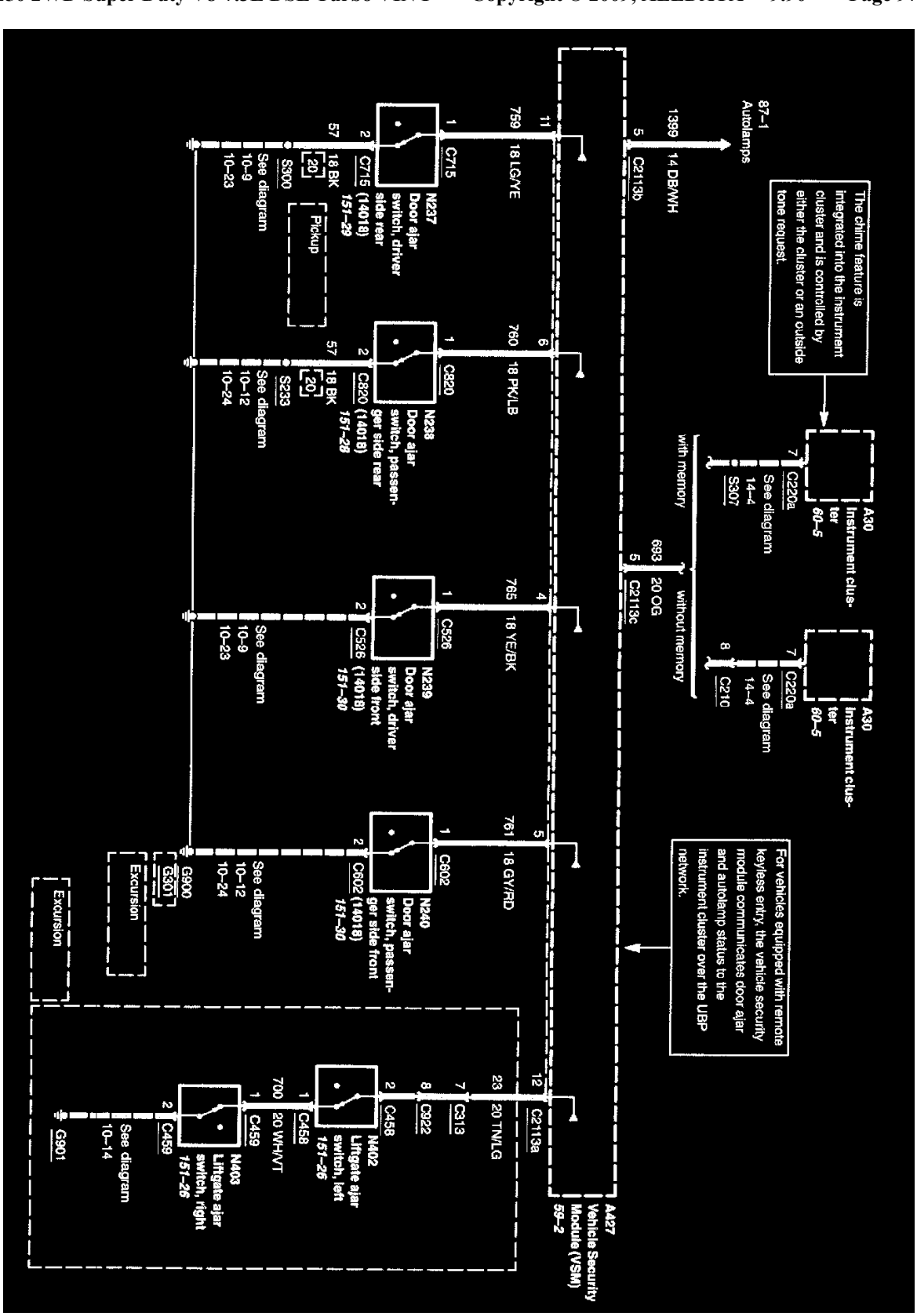

The chime feature is integrated into the instrument cluster and is controlled by either the cluster or an outside tone request.
87–1 Autolamps
1399 14 DB/WH
5 C2113b
A30 Instrument cluster 60–5
7 C220a See diagram 14–4
S307
with memory
693 20 OG
5 C2113c
without memory
A30 Instrument cluster 60–5
7 C220a See diagram 14–4
8 C210
For vehicles equipped with remote keyless entry, the vehicle security module communicates door ajar and autolamp status to the instrument cluster over the UBP network.
A427 Vehicle Security Module (VSM) 59–2
12 C2113a
23 20 TN/LG
7 C313
8 C922
2 C458
N402 Liftgate ajar switch, left 151–26
1 C458
700 20 WH/VT
1 C459
N403 Liftgate ajar switch, right 151–26
2 C459
See diagram 10–14
G901
11
759 18 LG/YE
1 C715
N237 Door ajar switch, driver side rear
2 C715 (14018) 151–29
57 18 BK [20] Pickup
S300 See diagram 10–9 10–23
6
760 18 PK/LB
1 C820
N238 Door ajar switch, passenger side rear
2 C820 (14018) 151–28
57 18 BK [20]
S233 See diagram 10–12 10–24
4
765 18 YE/BK
1 C526
N239 Door ajar switch, driver side front
2 C526 (14018) 151–30
See diagram 10–9 10–23
5
761 18 GY/RD
1 C602
N240 Door ajar switch, passenger side front
2 C602 (14018) 151–30
See diagram 10–12 10–24
G900
G301
Excursion
Excursion

Diagram 66-1

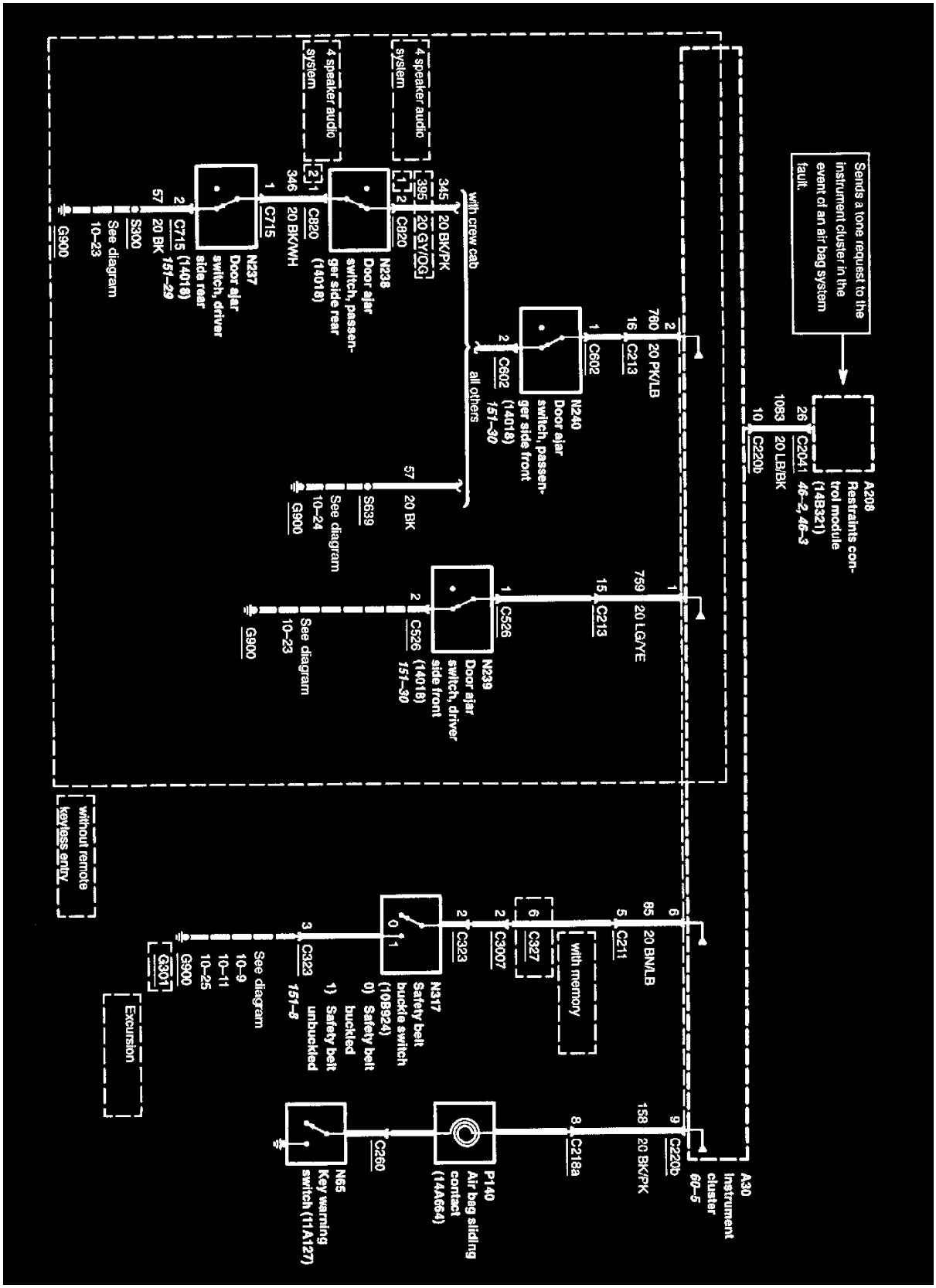

Sends a tone request to the instrument cluster in the event of an air bag system fault.
A208
Restraints control module (14B321)
46–2, 46–3
C2041
26
1083 20 LB/BK
C220b
10
A30
Instrument cluster
60–5
C220b
9
158 20 BK/PK
C218a
8
P140
Air bag sliding contact (14A664)
C260
N65
Key warning switch (11A127)
6
85 20 BN/LB
C211
with memory
C327
6
C3007
2
C323
2
N317
Safety belt buckle switch (10B924)
0) Safety belt buckled
1) Safety belt unbuckled
C323
3
151–8
See diagram 10–9
10–11
10–25
G900
G301
Excursion
2
760 20 PK/LB
16
C213
1
C602
N240
Door ajar switch, passenger side front
C602
2
(14018)
151–30
all others
with crew cab
345 20 BK/PK
395 20 GY/OG
C820
2 1
4 speaker audio system
C820
(14018)
N238
Door ajar switch, passenger side rear
346 20 BK/WH
C715
1
N237
Door ajar switch, driver side rear
C715 (14018)
151–29
2
57 20 BK
S300
See diagram 10–23
G900
57 20 BK
S639
See diagram 10–24
G900
1
759 20 LG/YE
15
C213
C526
1
N239
Door ajar switch, driver side front
C526
2
(14018)
151–30
See diagram 10–23
G900
without remote keyless entry

Diagram 66-2

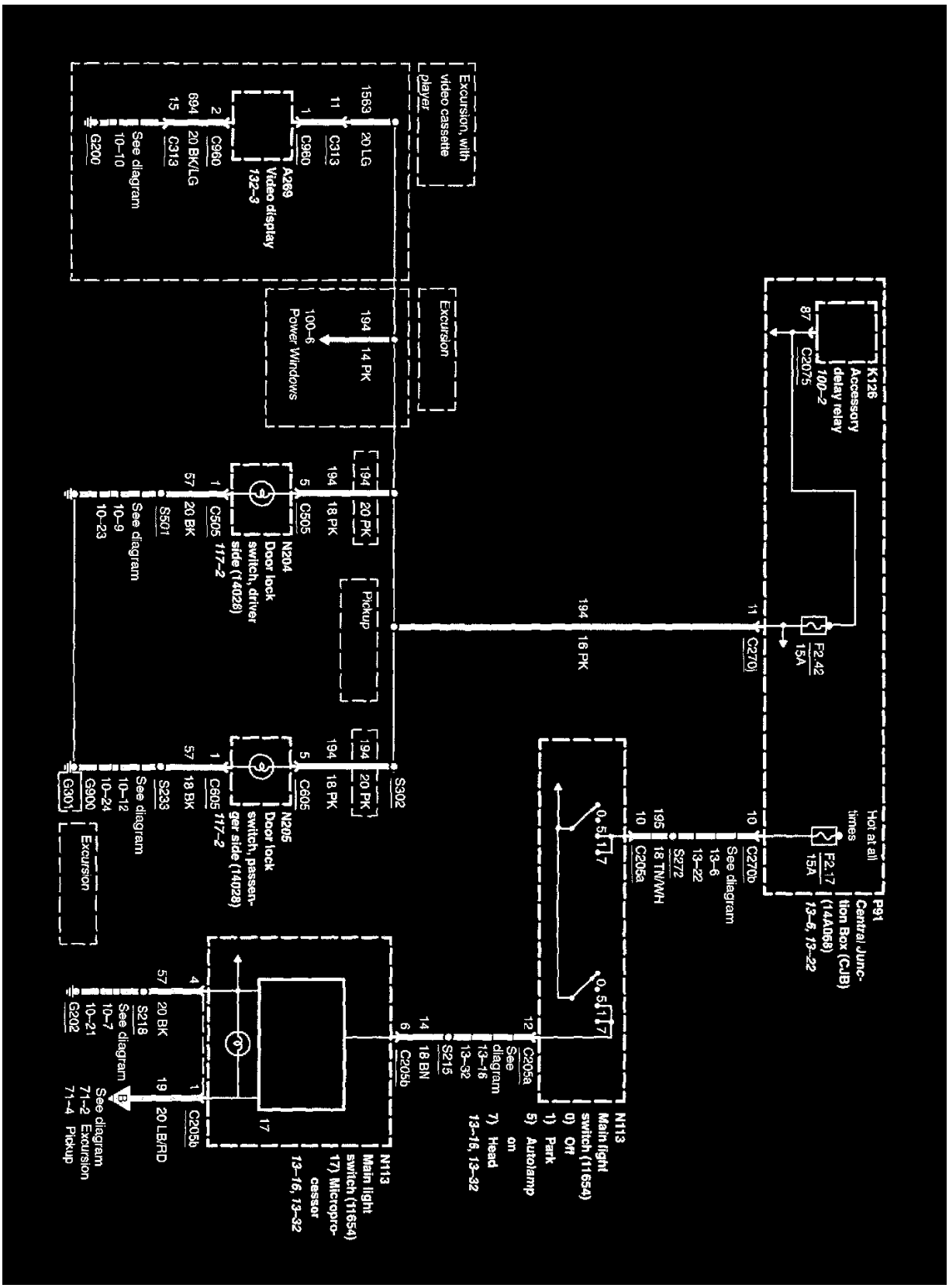

P91
Central Junction Box (C-JB)
(14A068)
13–6, 13–22
Hot at all times
F2.17
15A
C270b
See diagram
13–6
13–22
S272
18 TN/WH
C205a
N113
Main light switch (11654)
0) Off
1) Park
5) Autolamp on
7) Head
13–16, 13–32
17) Microprocessor
13–16, 13–32
C205b
20 LB/RD
S218
See diagram
10–7
10–21
G202
See diagram
71–2 Excursion
71–4 Pickup
K126
Accessory delay relay
100–2
C2075
F2.42
15A
C270j
Excursion, with video cassette player
Excursion
Pickup
A269
Video display
132–3
C960
20 BK/LG
C313
See diagram
10–10
G200
194
14 PK
100–6
Power Windows
20 LG
694
1563
C505
117–2
Door lock switch, driver side (14028)
N204
20 BK
S501
See diagram
10–9
10–23
Door lock switch, passenger side (14028)
N205
18 BK
S233
See diagram
10–12
10–24
G900
G301
S302
16 PK
18 PK
20 PK
18 BN
S215
See diagram
13–16
13–32

Diagram 71-1

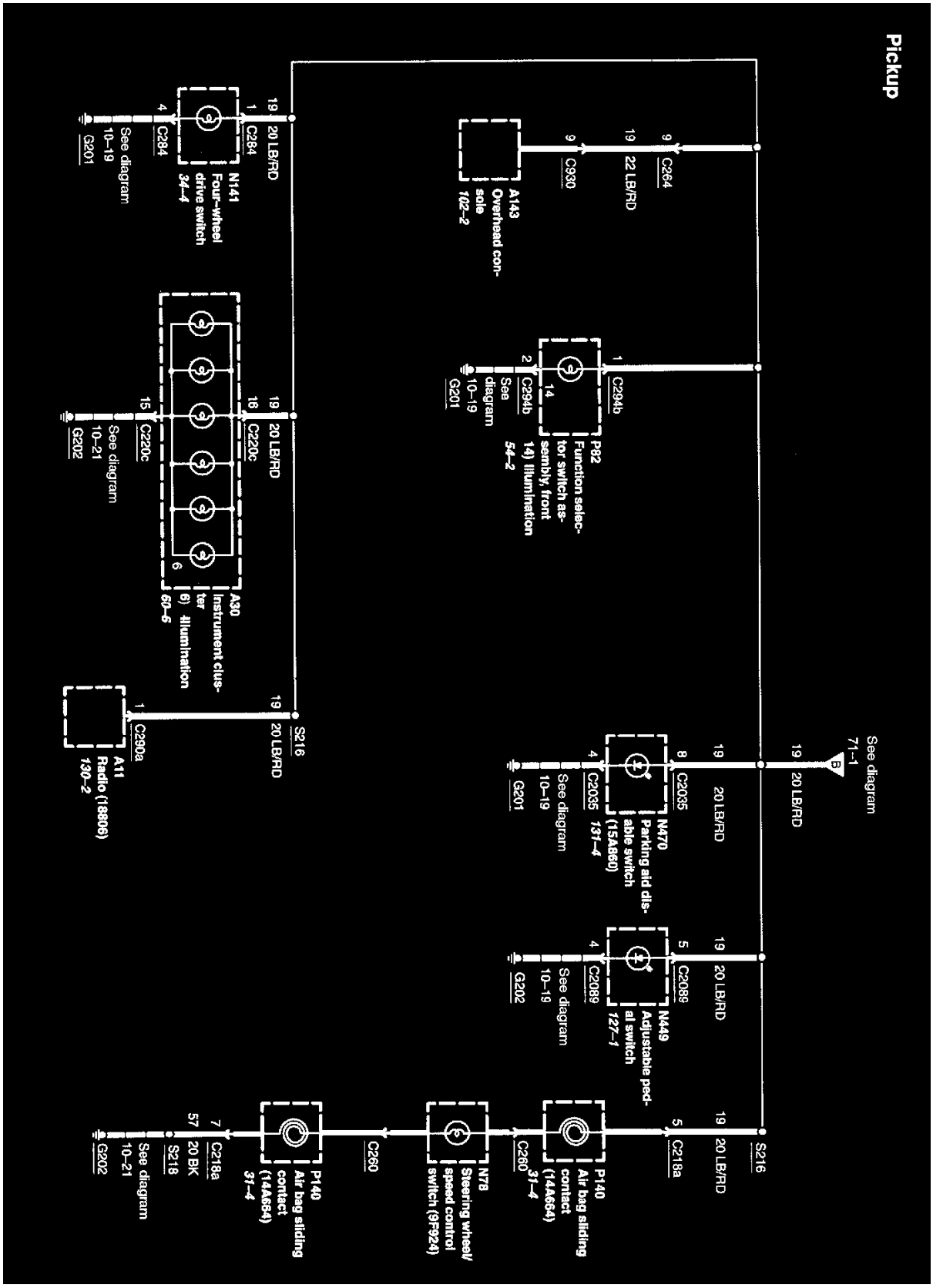

Pickup
See diagram 71–1
19 20 LB/RD
S216
19 20 LB/RD
C2264
9
19 22 LB/RD
C930
9
A143
Overhead console
102–2
C2294b
1
2 C2294b
See diagram 10–19 G201
14
P82
Function selector switch assembly, front
14) Illumination
54–2
19 20 LB/RD
C2035
8
C2035
4
See diagram 10–19 G201
N470
Parking aid disable switch (15A860)
131–4
19 20 LB/RD
C2089
5
C2089
4
See diagram 10–19 G202
N449
Adjustable pedal switch
127–1
19 20 LB/RD
C218a
5
C260
See diagram 10–21 G202
P140
Air bag sliding contact (14A664)
31–4
C260
C218a
7
57 20 BK
S218
See diagram 10–21 G202
P140
Air bag sliding contact (14A664)
31–4
N78
Steering wheel/speed control switch (9F924)
C260
19 20 LB/RD
S216
19 20 LB/RD
C284
1
4 C284
See diagram 10–19 G201
N141
Four-wheel drive switch
34–4
19 20 LB/RD
C220c
16
15 C220c
See diagram 10–21 G202
A30
Instrument cluster
6) Illumination
60–6
19 20 LB/RD
S216
1
C2290a
A11
Radio (18806)
130–2

Diagram 71-4

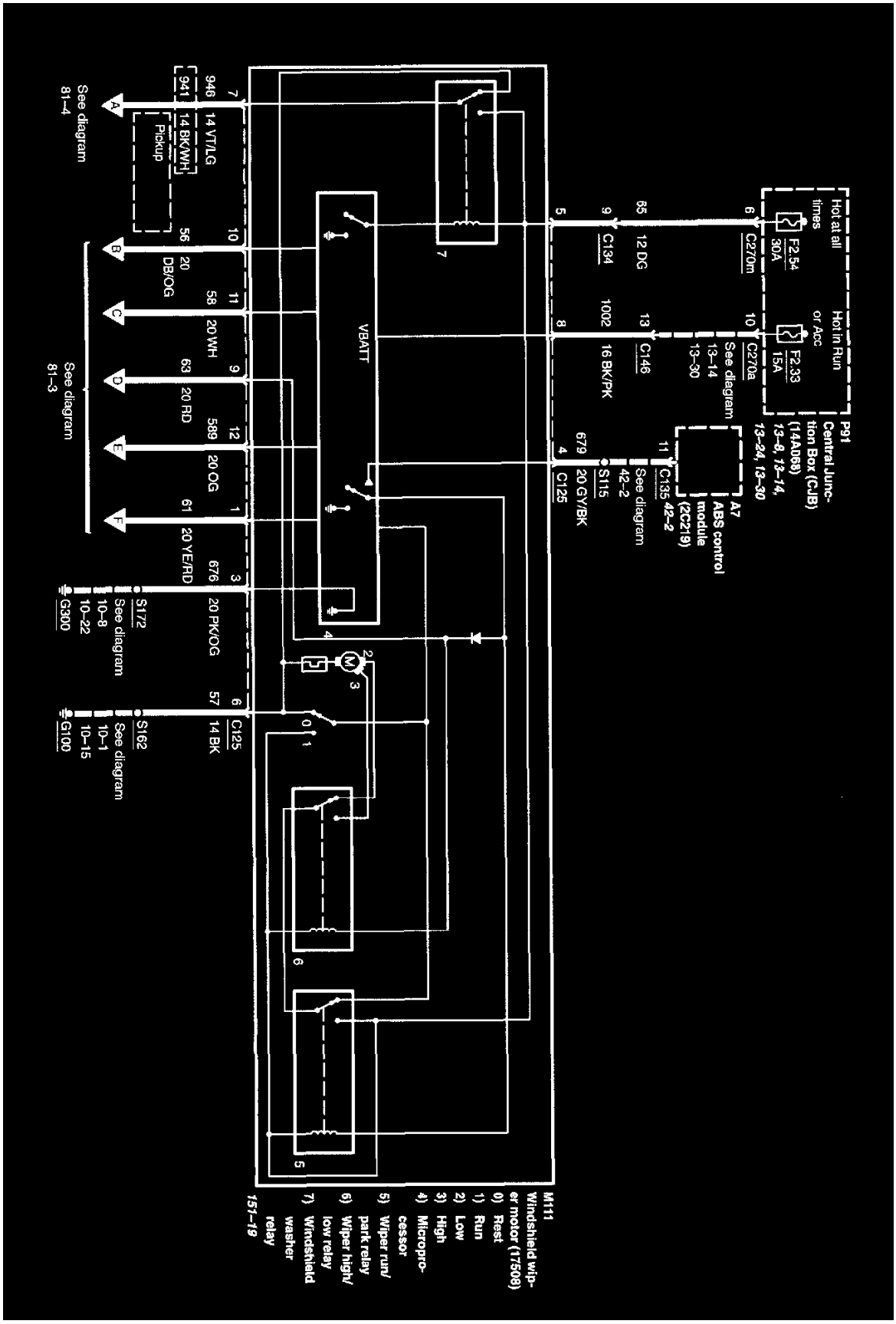

P91
Central Junction Box (CJB)
(14A068)
13–8, 13–14, 13–24, 13–30
Hot at all times
Hot in Run or Acc
F2.54
30A
F2.33
15A
C270m
C270a
See diagram 13–14, 13–30
A7
ABS control module
(2C219)
C135 42–2
See diagram 42–2
C146
C134
S115
C125
VBATT
M111
Windshield wiper motor (17508)
0) Rest
1) Run
2) Low
3) High
4) Microprocessor
5) Wiper run/park relay
6) Wiper high/low relay
7) Windshield washer relay
151–19
See diagram 81–4
See diagram 81–3
946 14 VT/LG
941 14 BK/WH
Pickup
20 DB/OG
20 WH
20 RD
20 OG
20 YE/RD
20 PK/OG
14 BK
S172
See diagram 10–8
10–22
G300
S162
See diagram 10–1
10–15
G100

Diagram 81-2

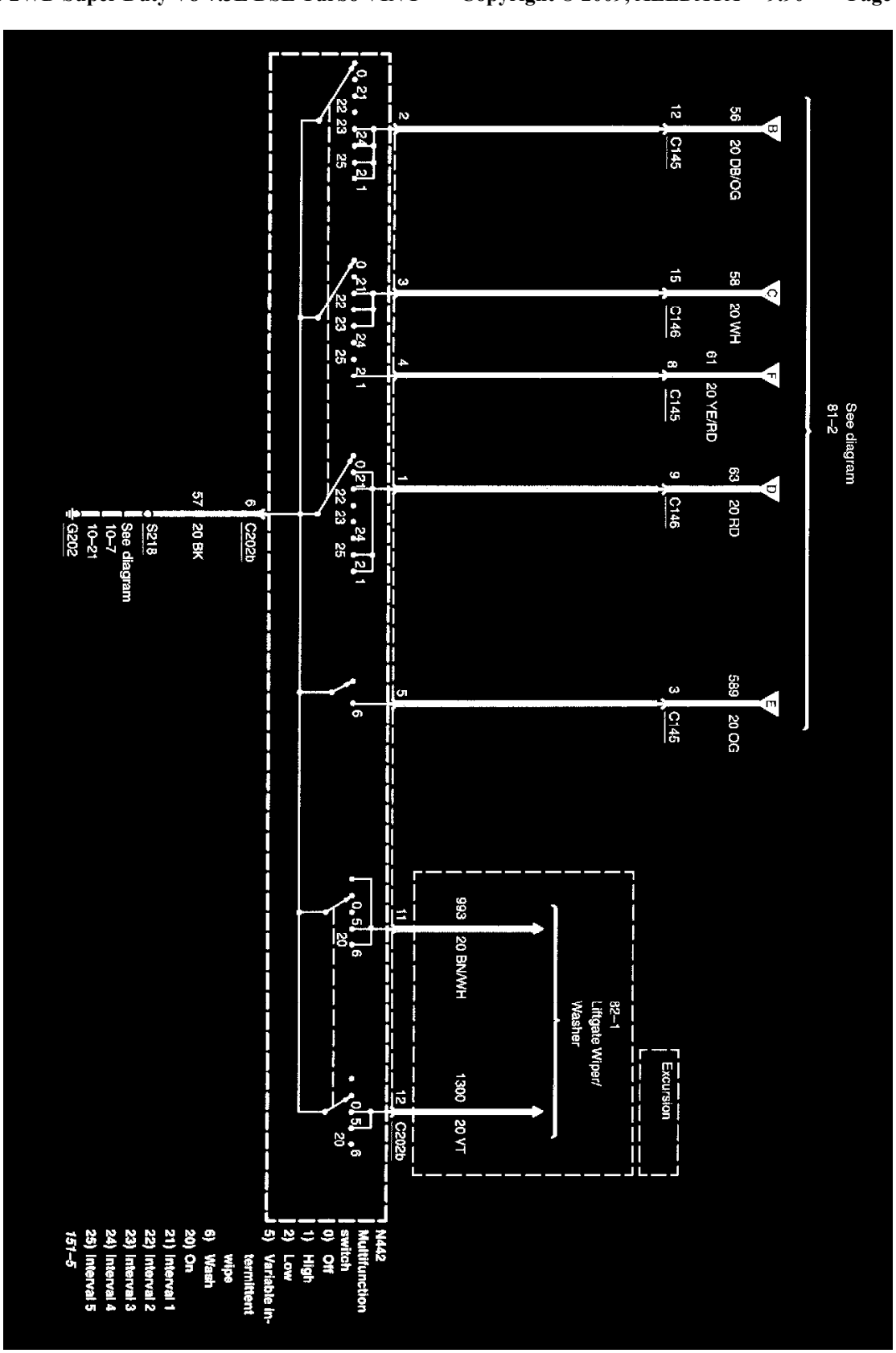

See diagram 81-2
B
56
20 DB/OG
12
C145
C
58
20 WH
15
C146
F
61
20 YE/RD
8
C145
D
63
20 RD
9
C146
E
589
20 OG
3
C145
82-1 Liftgate Wiper/ Washer
Excursion
993
20 BN/WH
1300
20 VT
C202b
N442 Multifunction switch
0) Off
1) High
2) Low
5) Variable intermittent wipe
6) Wash
20) On
21) Interval 1
22) Interval 2
23) Interval 3
24) Interval 4
25) Interval 5
15T–5
C202b
57
20 BK
S218
See diagram 10–7
10–21
G202

Diagram 81-3

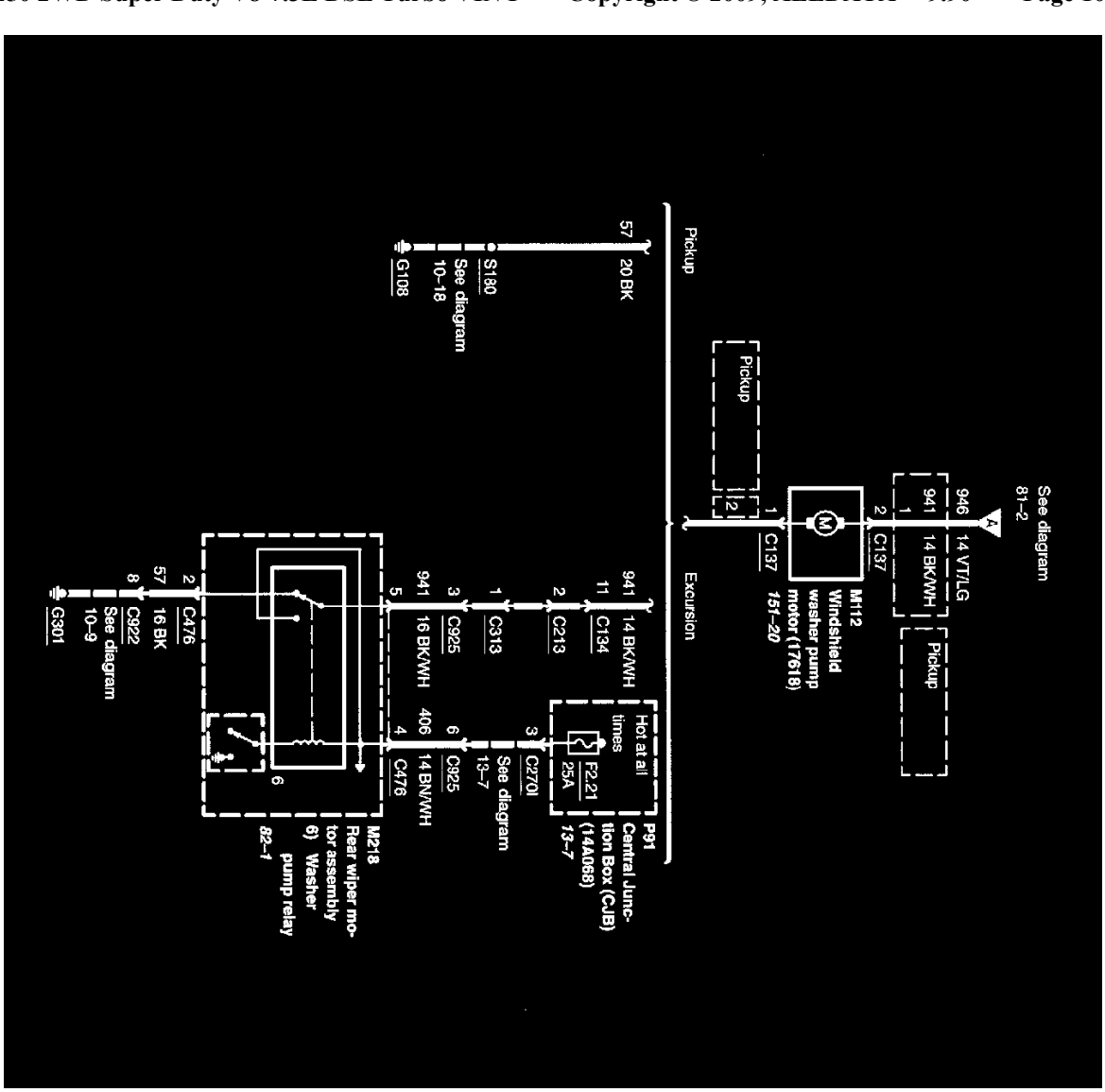

See diagram 81–2
946 14 VT/LG
941 14 BK/WH
Pickup
C137
M112 Windshield washer pump motor (17618) 151–20
Pickup
Excursion
57 20 BK
S190 See diagram 10–18
G108
941 14 BK/WH
C134
C213
C313
C925 16 BK/WH
941
406 14 BN/WH
C925 See diagram 13–7
C270l
F2.21 25A
Hot at all times
P91 Central Junction Box (CJB) (14A068) 13–7
C476
M218 Rear wiper motor assembly 6) Washer pump relay 82–1
2 C476
57 16 BK
8 C922 See diagram 10–9
G301

Diagram 81-4

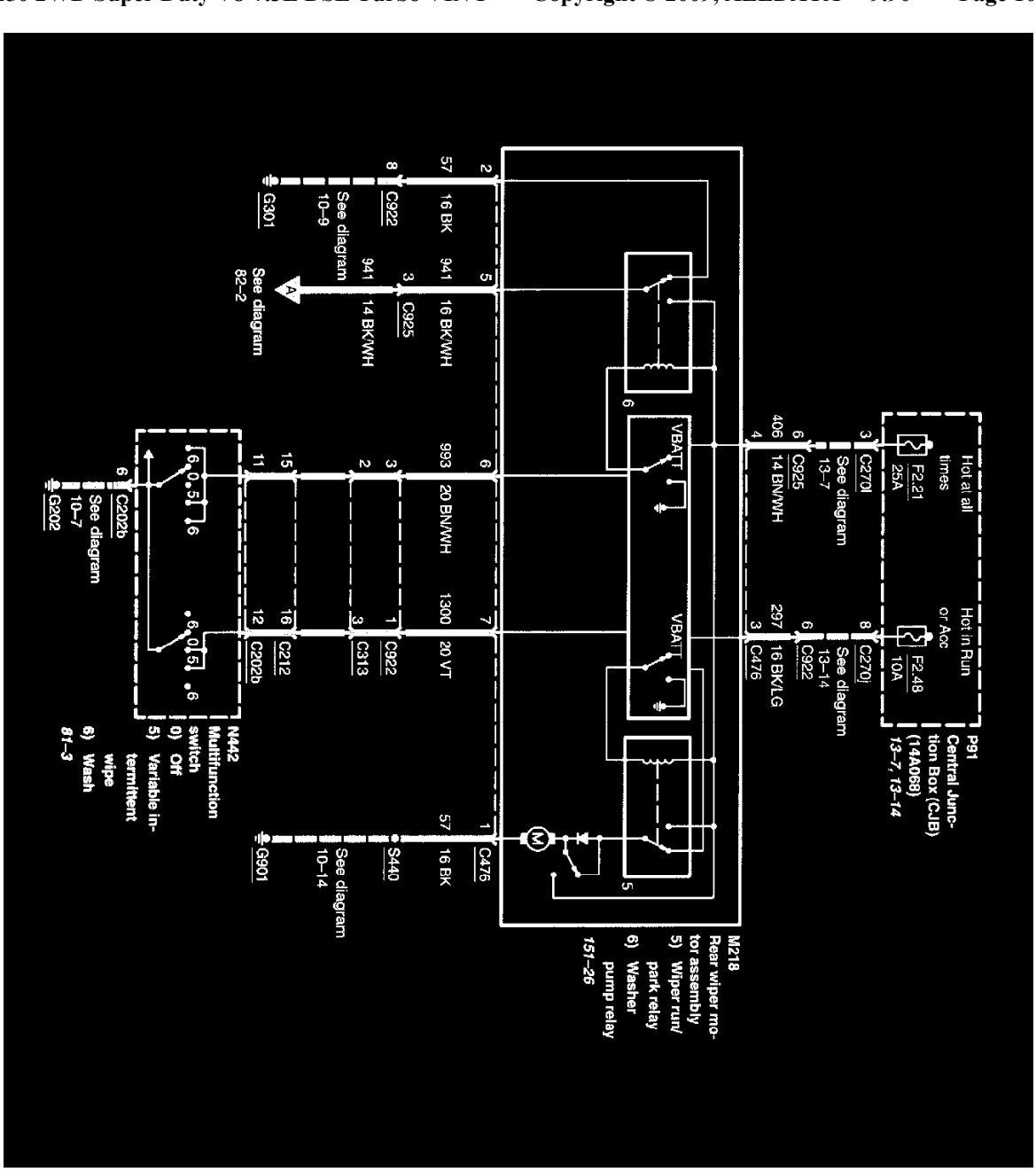

P91
Central Junction Box (CJB)
(14A068)
13–7, 13–14
Hot at all times
Hot in Run or Acc
F2.21
25A
F2.48
10A
C270l
C270j
See diagram 13–7
See diagram 13–14
C925
406
14 BN/WH
C922
297
16 BK/LG
C476
M218
Rear wiper motor assembly
5) Wiper run/park relay
6) Washer pump relay
151–26
VBAT
C476
57
16 BK
S440
See diagram 10–14
G901
C925
941
16 BK/WH
C922
993
20 BN/WH
C313
1300
20 VT
C212
C202b
N442
Multifunction switch
0) Off
5) Variable intermittent wipe
6) Wash
81–3
C202b
See diagram 10–7
G202
C922
16 BK
See diagram 10–9
G301
See diagram 82–2
C925
941
14 BK/WH

Diagram 82-1

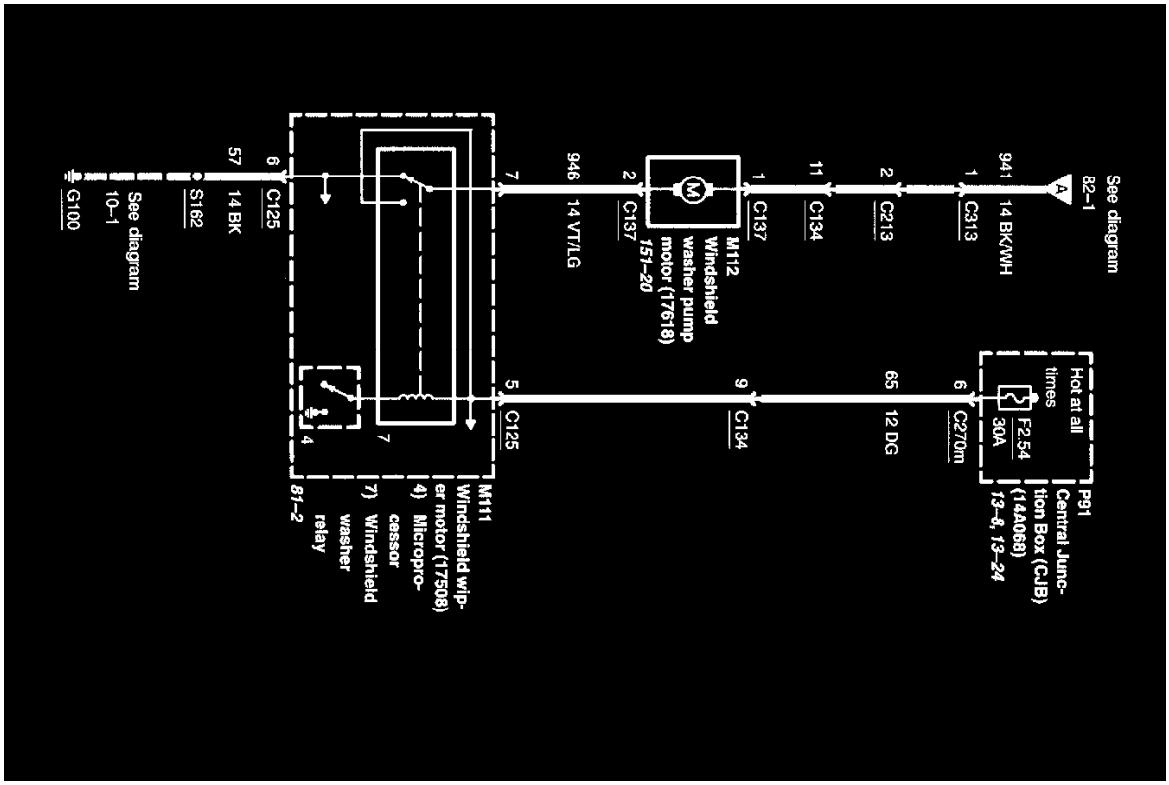

See diagram 82-1
A
941
14 BK/WH
1
C313
P91
Central Junction Box (CJB)
13-8, 13-24
Hot at all times
F2.54
30A
6
C270m
65
12 DG
2
C213
11
C134
9
C134
1
C137
M112
Windshield washer pump motor (17618)
151-20
2
C137
946
14 VT/LG
7
5
C125
M111
Windshield wiper motor (17508)
4) Microprocessor
7) Windshield washer relay
81-2
7
4
6
C125
57
14 BK
S162
See diagram 10-1
G100

Diagram 82-2

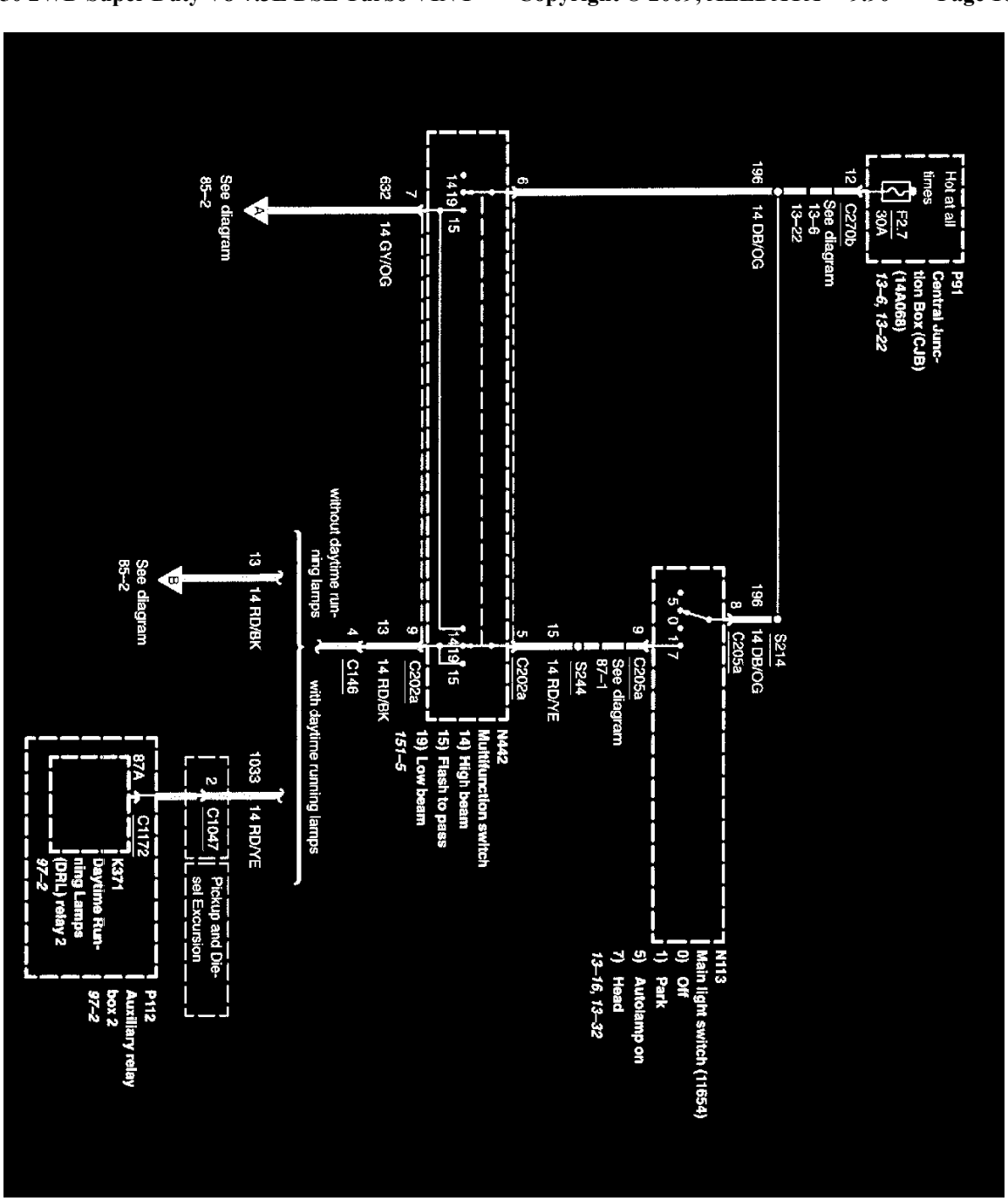

Hot at all times
P91
Central Junction Box (CJB) (14A068)
13-6, 13-22
F2.7
30A
C270b
12
See diagram 13-6
13-22
196
14 DB/OG
S214
196
14 DB/OG
C205a
8
N113
Main light switch (11654)
0) Off
1) Park
5) Autolamp on
7) Head
13-16, 13-32
C205a
9
See diagram 87-1
S244
15
14 RD/YE
C202a
5
N442
Multifunction switch
14) High beam
15) Flash to pass
19) Low beam
151-5
6
1419
15
7
632
14 GY/OG
See diagram 85-2
A
without daytime running lamps
with daytime running lamps
13
14 RD/BK
See diagram 85-2
B
4
C146
13
14 RD/BK
1033
14 RD/YE
2
C1047
Pickup and Diesel Excursion
87A
C1172
K371
Daytime Running Lamps (DRL) relay 2
97-2
P112
Auxiliary relay box 2
97-2

Diagram 85-1

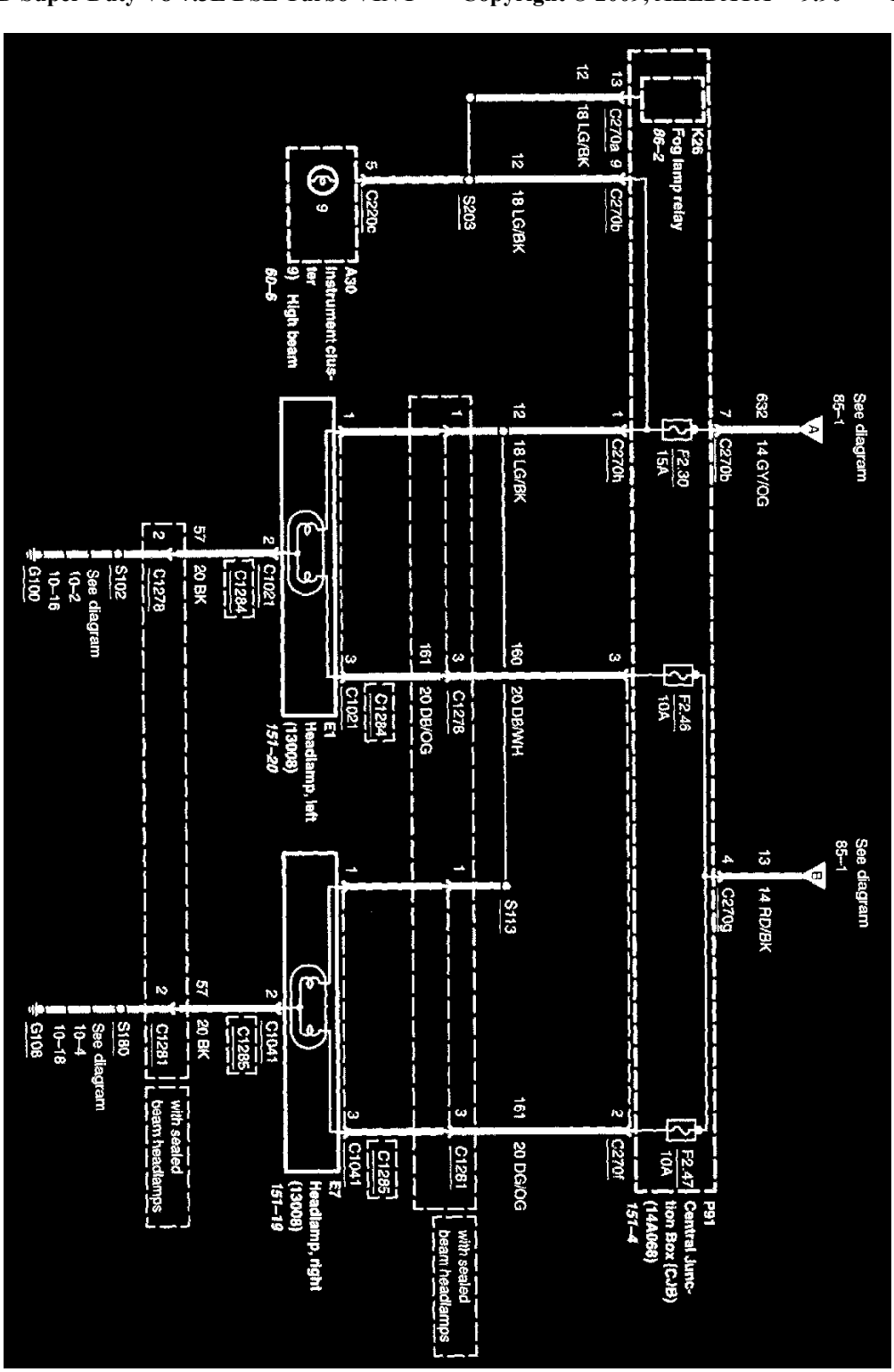

See diagram 85–1
See diagram 85–1
632
14 GY/OG
13
14 RD/BK
A
B
7
4
C270b
C270g
K26
Fog lamp relay 86–2
F2.30 15A
F2.46 10A
F2.47 10A
P91 Central Junction Box (CJB) (14A068) 151–4
12
13
18 LG/BK
C270a
9
C270h
C270f
S203
5
C220c
A30 Instrument cluster 9) High beam 60–6
18 LG/BK
20 DB/WH
20 DB/OG
20 DG/OG
161
160
C1278
C1284
C1021
E1 Headlamp, left (13008) 157–20
S113
C1041
C1285
E7 Headlamp, right (13008) 151–19
with sealed beam headlamps
57
20 BK
C1021
C1284
C1278
S102
See diagram 10–2
10–16
G100
C1041
C1285
C1281
S180
See diagram 10–4
10–18
G108

Diagram 85-2

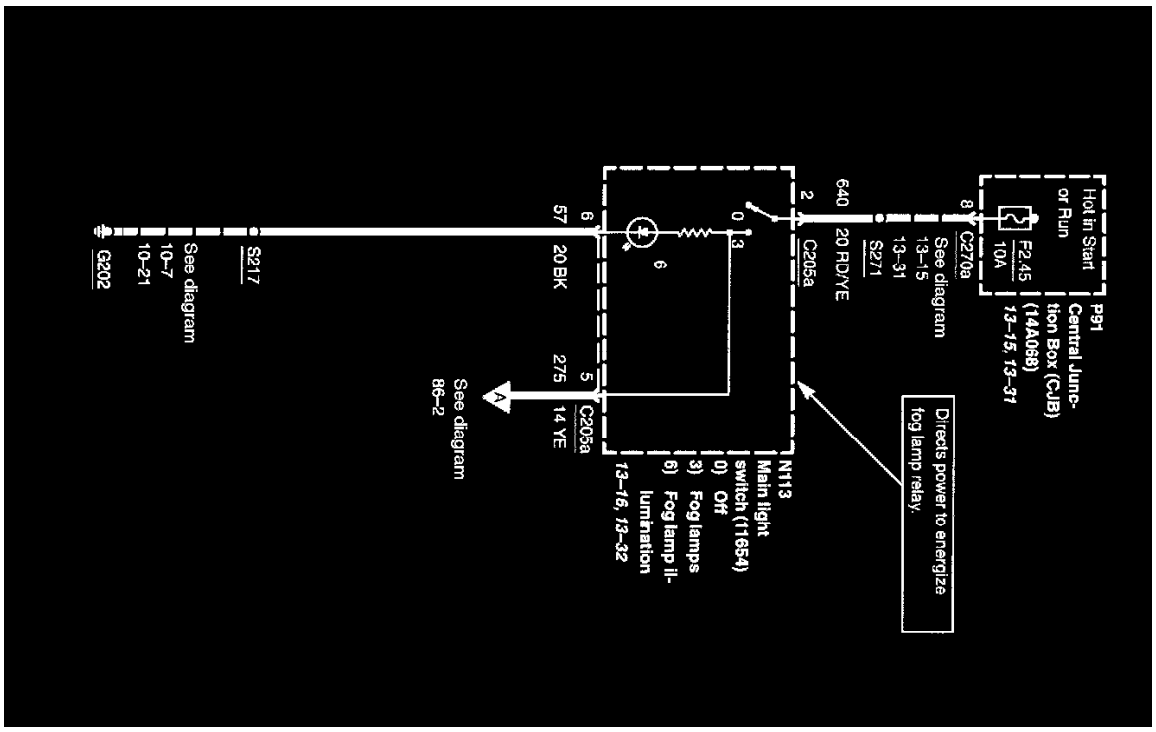


Diagram 86-1

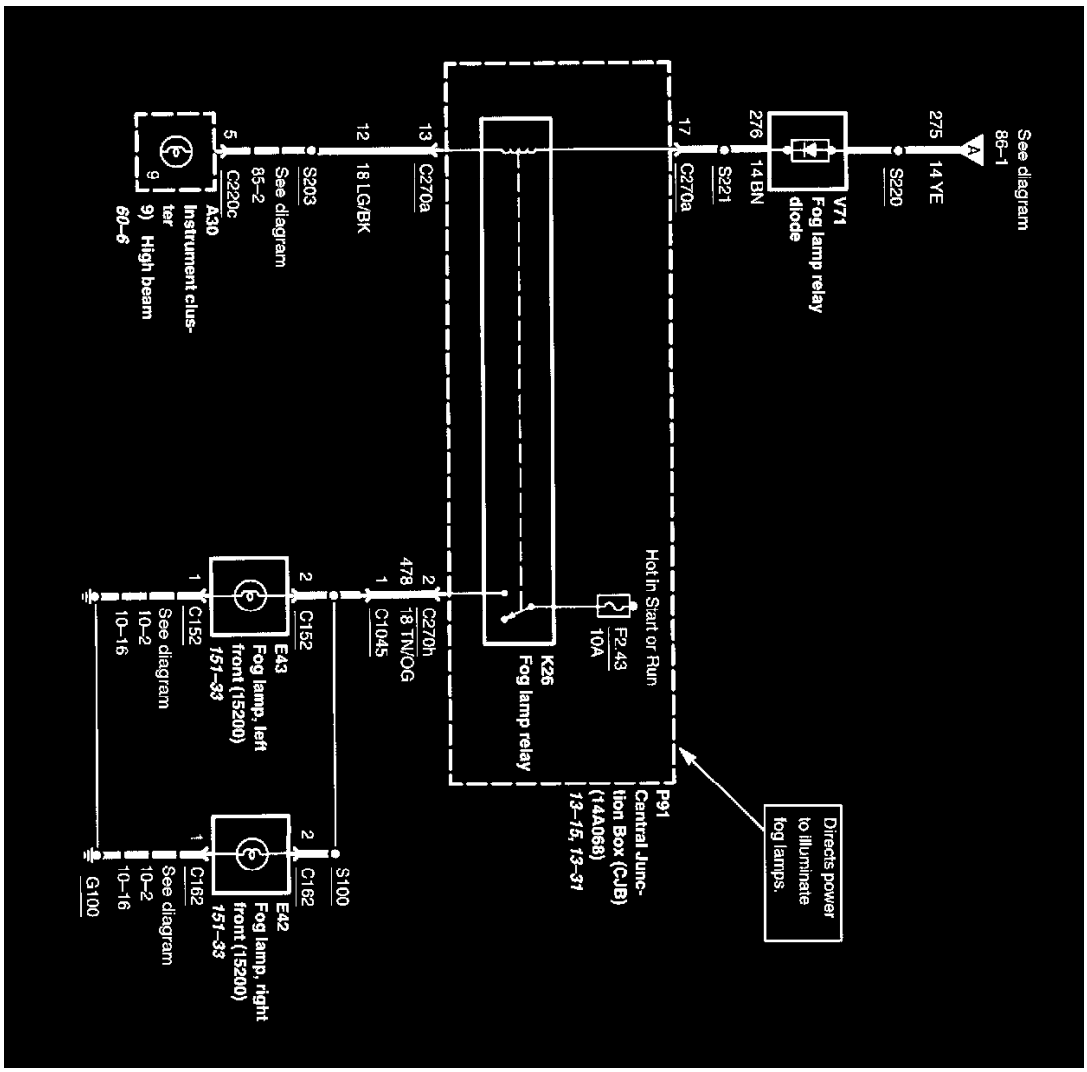


Diagram 86-2

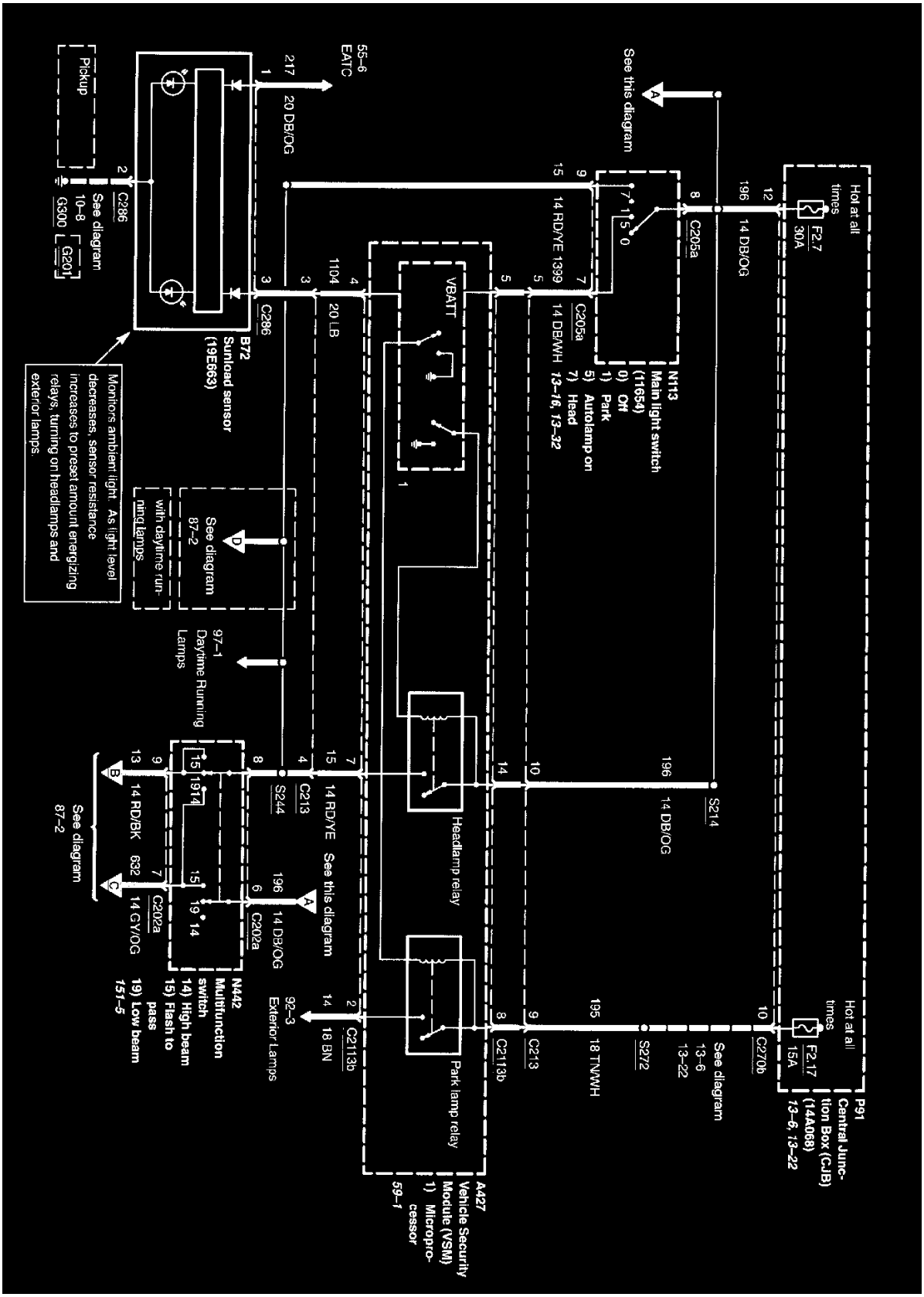

Hot at all times
F2.7
30A
Hot at all times
F2.17
15A
P91
Central Junction Box (CJB)
(14A068)
13–6, 13–22
See this diagram
A
C205a
14 DB/OG
196
N113
Main light switch
(11654)
0) Off
1) Park
5) Autolamp on
7) Head
13–16, 13–32
14 RD/YE 1399
14 DB/WH
C205a
S214
196
14 DB/OG
C270b
See diagram
13–6
13–22
S272
195
18 TN/WH
C213
C2113b
18 BN
92–3
Exterior Lamps
Park lamp relay
A427
Vehicle Security Module (VSM)
1) Microprocessor
59–1
Headlamp relay
VBATT
55–6
EATC
217
20 DB/OG
C286
B72
Sunload sensor
(19E663)
Monitors ambient light. As light level decreases, sensor resistance increases to preset amount energizing relays, turning on headlamps and exterior lamps.
Pickup
See diagram
10–8
G300
G201
C286
1104
20 LB
See diagram
87–2
with daytime running lamps
97–1
Daytime Running Lamps
C213
S244
14 RD/YE
See this diagram
A
C202a
14 DB/OG
196
N442
Multifunction switch
14) High beam
15) Flash to pass
19) Low beam
151–5
1914
14 RD/BK
632
C202a
14 GY/OG
See diagram
87–2

Diagram 87-1

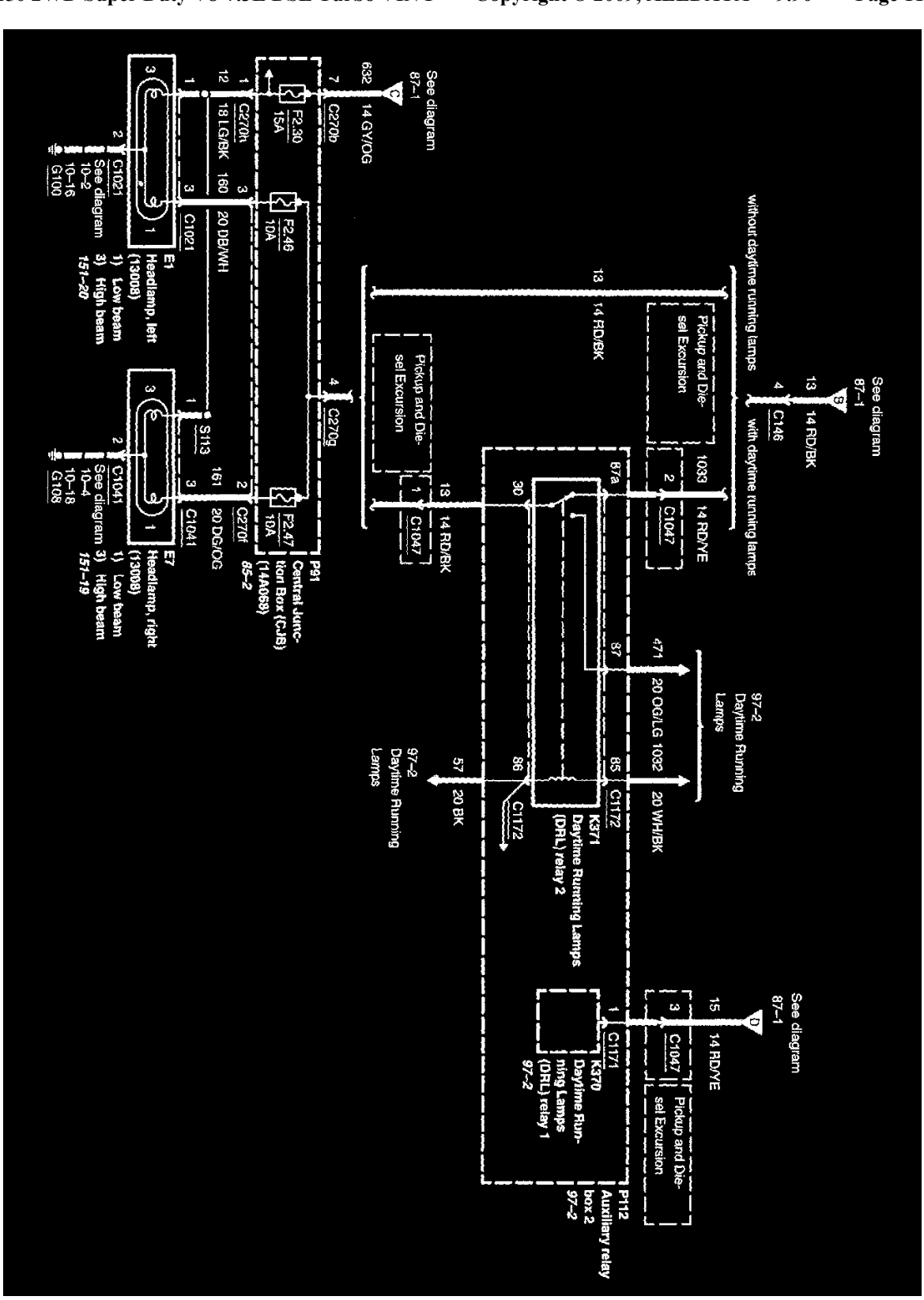

See diagram 87-1
13
14 RD/BK
4
C146
with daytime running lamps
without daytime running lamps
Pickup and Diesel Excursion
1033
14 RD/YE
2
C1047
13
14 RD/BK
87a
30
87
471
20 OG/LG
1032
97-2 Daytime Running Lamps
85
C1172
20 WH/BK
K371 Daytime Running Lamps (DRL) relay 2
86
C1172
57
20 BK
97-2 Daytime Running Lamps
See diagram 87-1
632
14 GY/OG
7
C270b
F2.30 15A
1
12
C270h
18 LG/BK
160
3
20 DB/WH
F2.46 10A
1
3
C1021
E1 Headlamp, left (13008)
1) Low beam
3) High beam
151-20
2
C1021
See diagram 10-2
10-16
G100
4
C270g
F2.47 10A
2
C270f
20 DG/OG
161
S113
1
3
C1041
E7 Headlamp, right (13008)
1) Low beam
3) High beam
151-19
2
C1041
See diagram 10-4
10-18
G108
P91 Central Junction Box (CJB) (14A068)
85-2
Pickup and Diesel Excursion
13
14 RD/BK
1
C1047
See diagram 87-1
15
14 RD/YE
3
C1047
Pickup and Diesel Excursion
1
C1171
K370 Daytime Running Lamps (DRL) relay 1
97-2
P112 Auxiliary relay box 2
97-2

Diagram 87-2

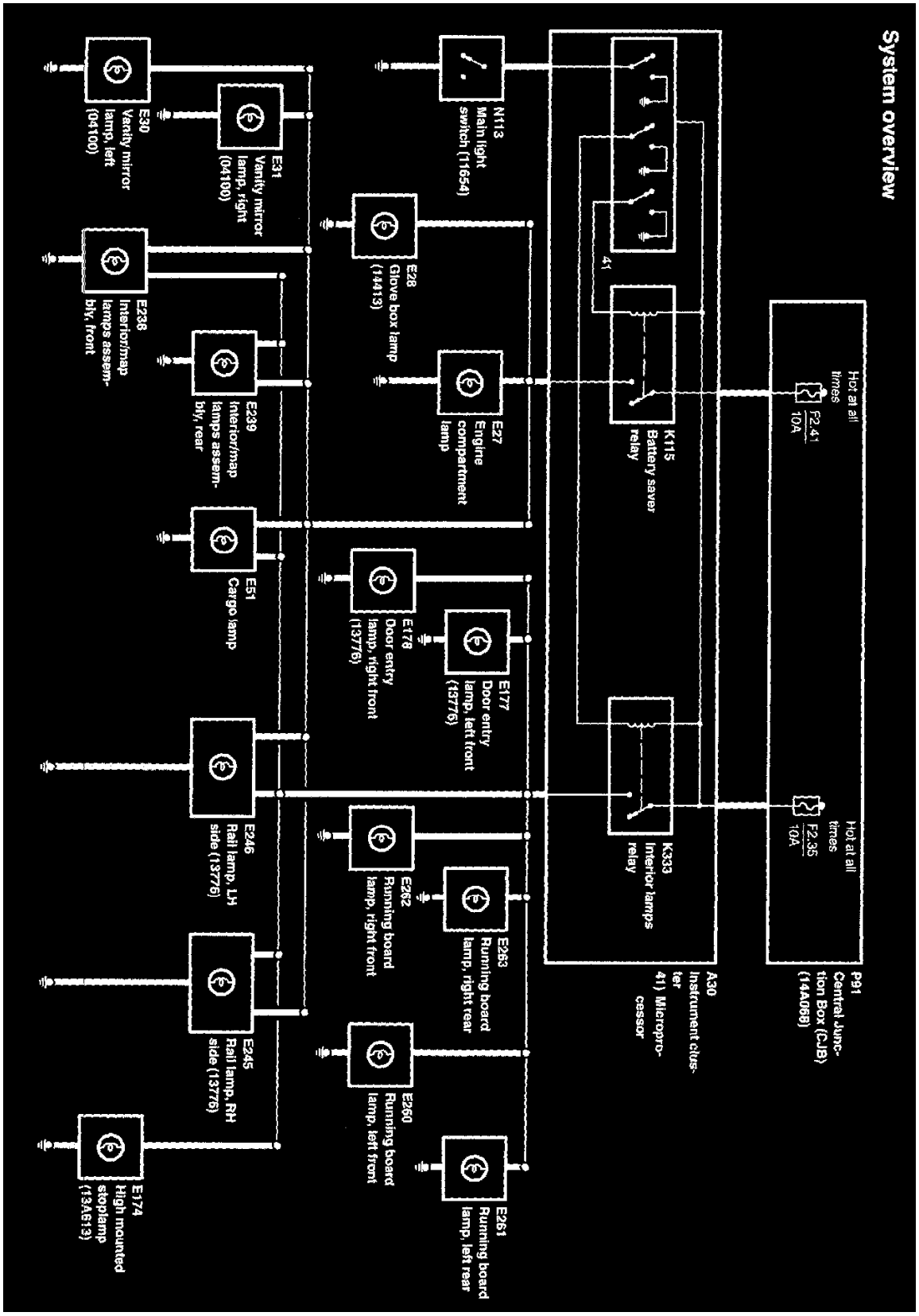

System overview
Hot at all times
F2.41
10A
Hot at all times
F2.35
10A
P91
Central Junction Box (CJB)
(14A068)
A30
Instrument cluster
41) Microprocessor
41
K115
Battery saver relay
K333
Interior lamps relay
N113
Main light switch (11654)
E28
Glove box lamp
(14413)
E27
Engine compartment lamp
E30
Vanity mirror lamp, left
(04100)
E31
Vanity mirror lamp, right
(04100)
E236
Interior/map lamps assembly, front
E239
Interior/map lamps assembly, rear
E51
Cargo lamp
E177
Door entry lamp, left front
(13776)
E178
Door entry lamp, right front
(13776)
E246
Rail lamp, LH side (13776)
E245
Rail lamp, RH side (13776)
E262
Running board lamp, right front
E263
Running board lamp, right rear
E260
Running board lamp, left front
E261
Running board lamp, left rear
E174
High mounted stoplamp
(13A613)

Diagram 89-1

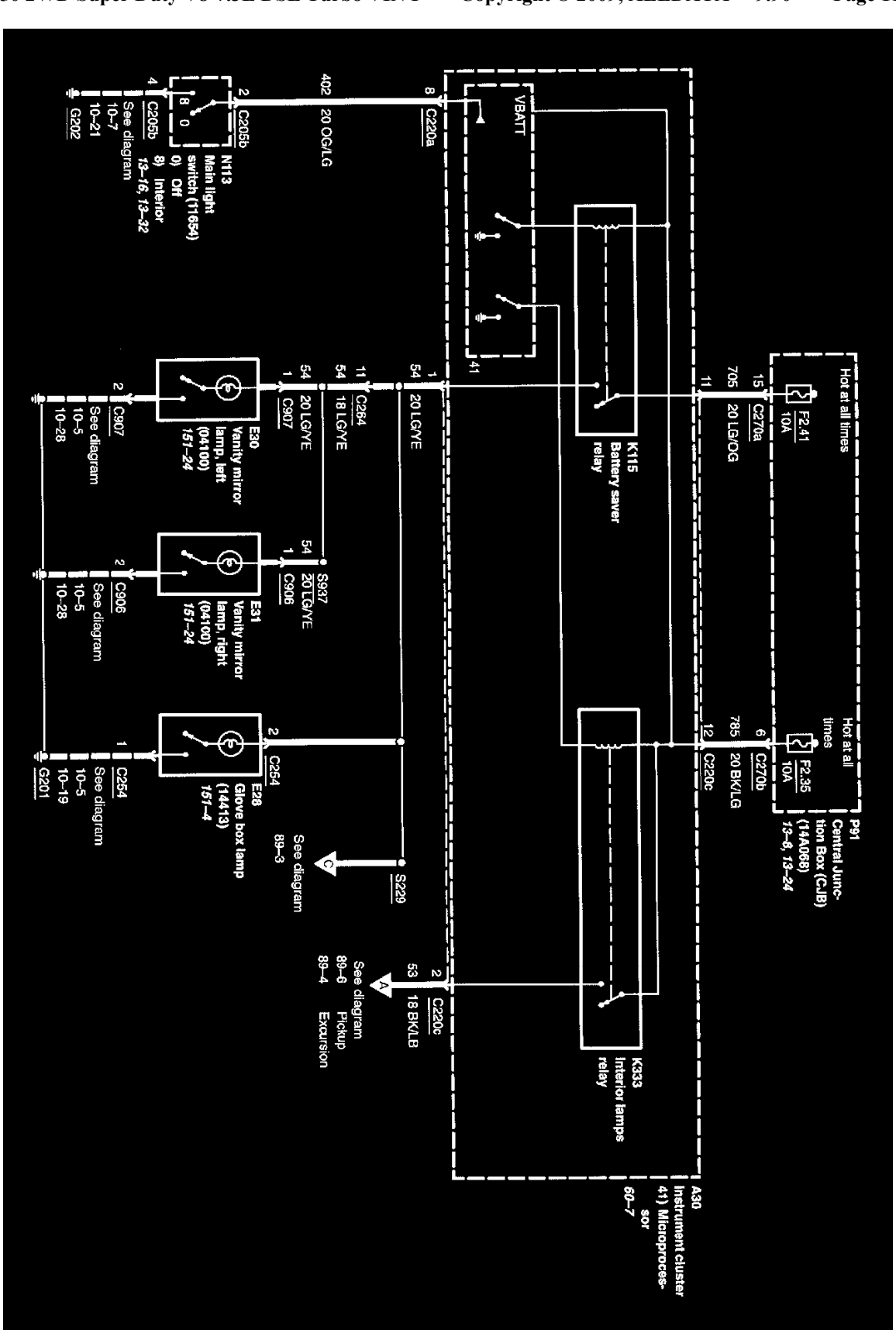

Hot at all times
F2.41
10A
C270a
705 20 LG/OG
15
11
Hot at all times
F2.35
10A
C270b
785 20 BK/LG
6
12
C220c
P91
Central Junction Box (CJB)
(14A068)
13–8, 13–24
VBATT
K115
Battery saver relay
K333
Interior lamps relay
A30
Instrument cluster
41) Microprocessor
60–7
C220a
8
41
1
54 20 LG/YE
2
53 18 BK/LB
C220c
S229
See diagram
89–3
See diagram
89–6
89–4 Pickup
Excursion
C205b
N113
Main light switch (11654)
0) Off
8) Interior
13–16, 13–32
See diagram
10–7
10–21
G202
402 20 OG/LG
C264
11
54 18 LG/YE
C907
20 LG/YE
54
1
E30
Vanity mirror lamp, left
(04100)
151–24
C907
See diagram
10–5
10–28
S937
20 LG/YE
C906
E31
Vanity mirror lamp, right
(04100)
151–24
C906
See diagram
10–5
10–28
C254
E28
Glove box lamp
(14413)
151–4
C254
See diagram
10–5
10–19
G201

Diagram 89-2

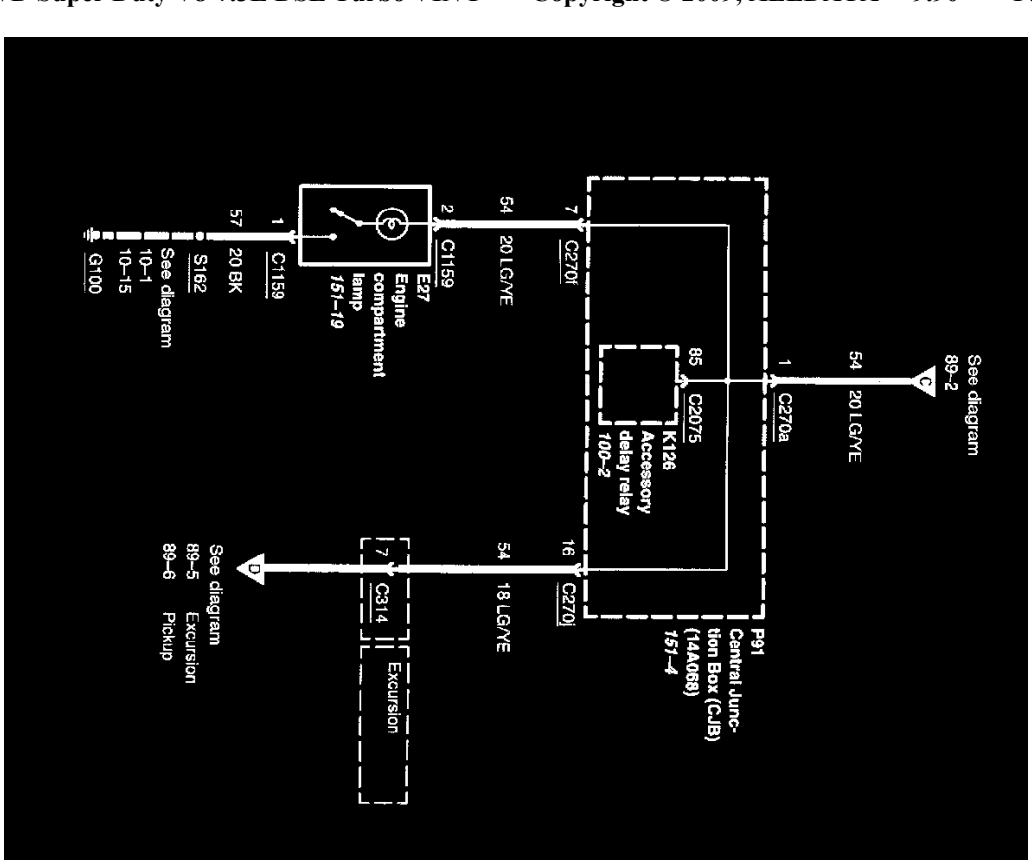

See diagram 89-2
54 20 LG/YE
1 C270a
85 C2075
K126 Accessory delay relay 100-2
7 C270f
16 C270j
P91 Central Junction Box (C-JB) (14A068) 151-4
54 20 LG/YE
2 C1159
E27 Engine compartment lamp 151-19
54 18 LG/YE
7 C314 Excursion
1 C1159
57 20 BK
S162
See diagram 10-1 10-15 G100
See diagram 89-5 Excursion 89-6 Pickup

Diagram 89-3

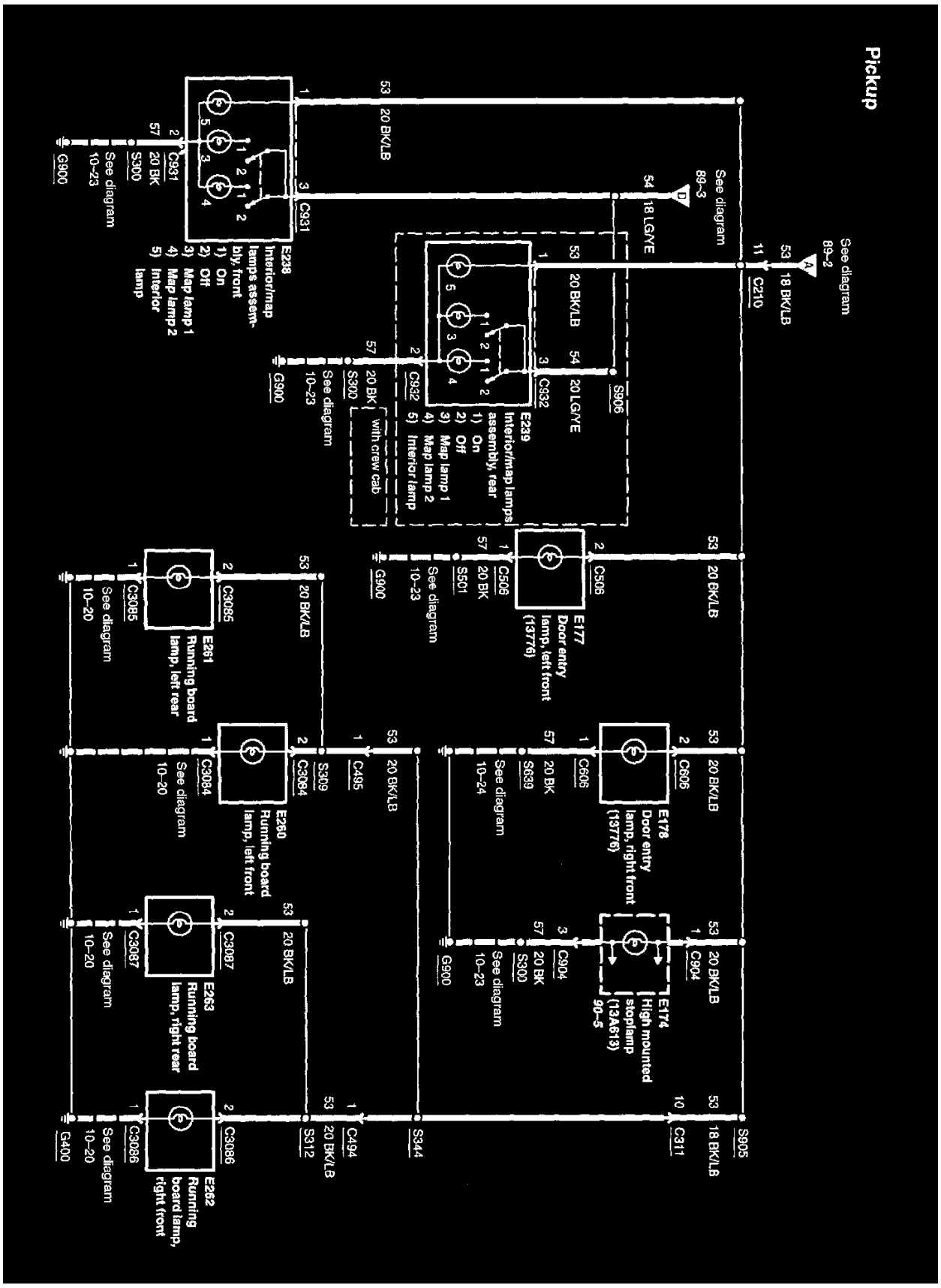

Pickup
See diagram 89-2
53 18 BK/LB
11 C210
See diagram 89-3
54 18 LG/YE
53 20 BK/LB
1
E239 Interior/map lamps assembly, rear 1) On 2) Off 3) Map lamp 1 4) Map lamp 2 5) Interior lamp
54 20 LG/YE
3 C932
S906
2 C932
57 20 BK S300
with crew cab
See diagram 10-23
G900
53 20 BK/LB
1 C931
E238 Interior/map lamps assembly, front 1) On 2) Off 3) Map lamp 1 4) Map lamp 2 5) Interior lamp
2 C931
57 20 BK S300
See diagram 10-23
G900
53 20 BK/LB
2 C506
E177 Door entry lamp, left front (13776)
1 C506
57 20 BK S501
See diagram 10-23
G900
53 20 BK/LB
2 C606
E178 Door entry lamp, right front (13776)
1 C606
57 20 BK S639
See diagram 10-24
53 20 BK/LB
1 C904
E174 High mounted stoplamp (13A613) 90-5
3 C904
57 20 BK S300
See diagram 10-23
G900
53 18 BK/LB
10 C311
S905
S344
53 20 BK/LB
1 C495
S309
C3084
See diagram 10-20
E260 Running board lamp, left front
1 C3084
See diagram 10-20
53 20 BK/LB
2 C3085
E261 Running board lamp, left rear
1 C3085
See diagram 10-20
53 20 BK/LB
2 C3087
E263 Running board lamp, right rear
1 C3087
See diagram 10-20
53 20 BK/LB
1 C494
S312
2 C3086
E262 Running board lamp, right front
1 C3086
See diagram 10-20
G400

Diagram 89-6

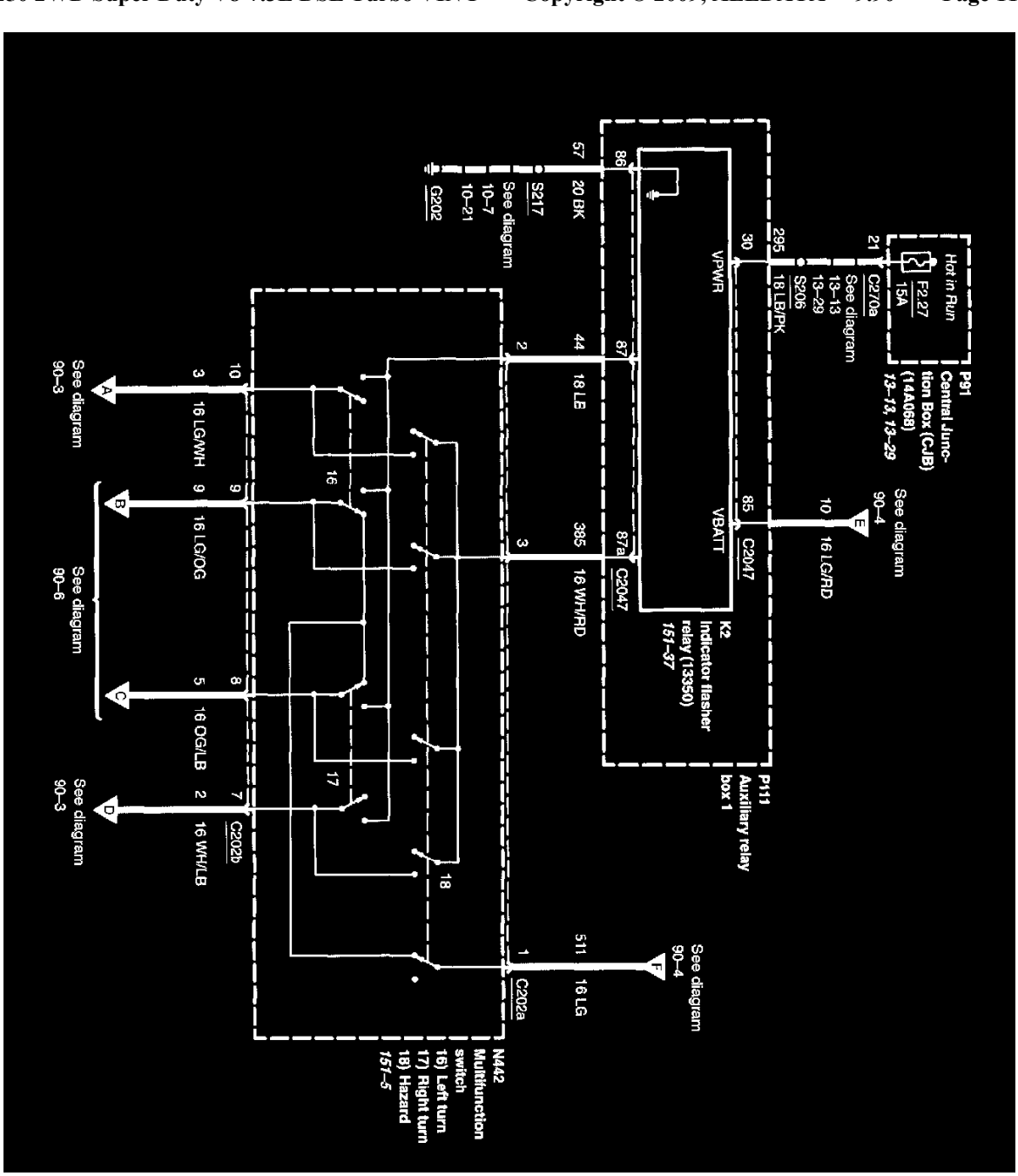

P91
Central Junction Box (CJB)
(14A068)
13–13, 13–29
Hot in Run
F2.27
15A
21
C270a
See diagram
13–13
13–29
S206
295
18 LB/PK
30
VPWR
VBATT
85
C2047
10
16 LG/RD
See diagram
90–4
E
K2
Indicator flasher
relay (13350)
151–37
86
87
87a
C2047
57
20 BK
S217
See diagram
10–7
10–21
G202
44
18 LB
385
16 WH/RD
P111
Auxiliary relay
box 1
511
16 LG
See diagram
90–4
F
C202a
1
N442
Multifunction
switch
16) Left turn
17) Right turn
18) Hazard
151–5
2
3
16
17
18
10
3
16 LG/WH
9
16 LG/OG
8
5
16 OG/LB
7
2
16 WH/LB
C202b
A
B
C
D
See diagram
90–3
See diagram
90–6
See diagram
90–3
See diagram
90–3

Diagram 90-2

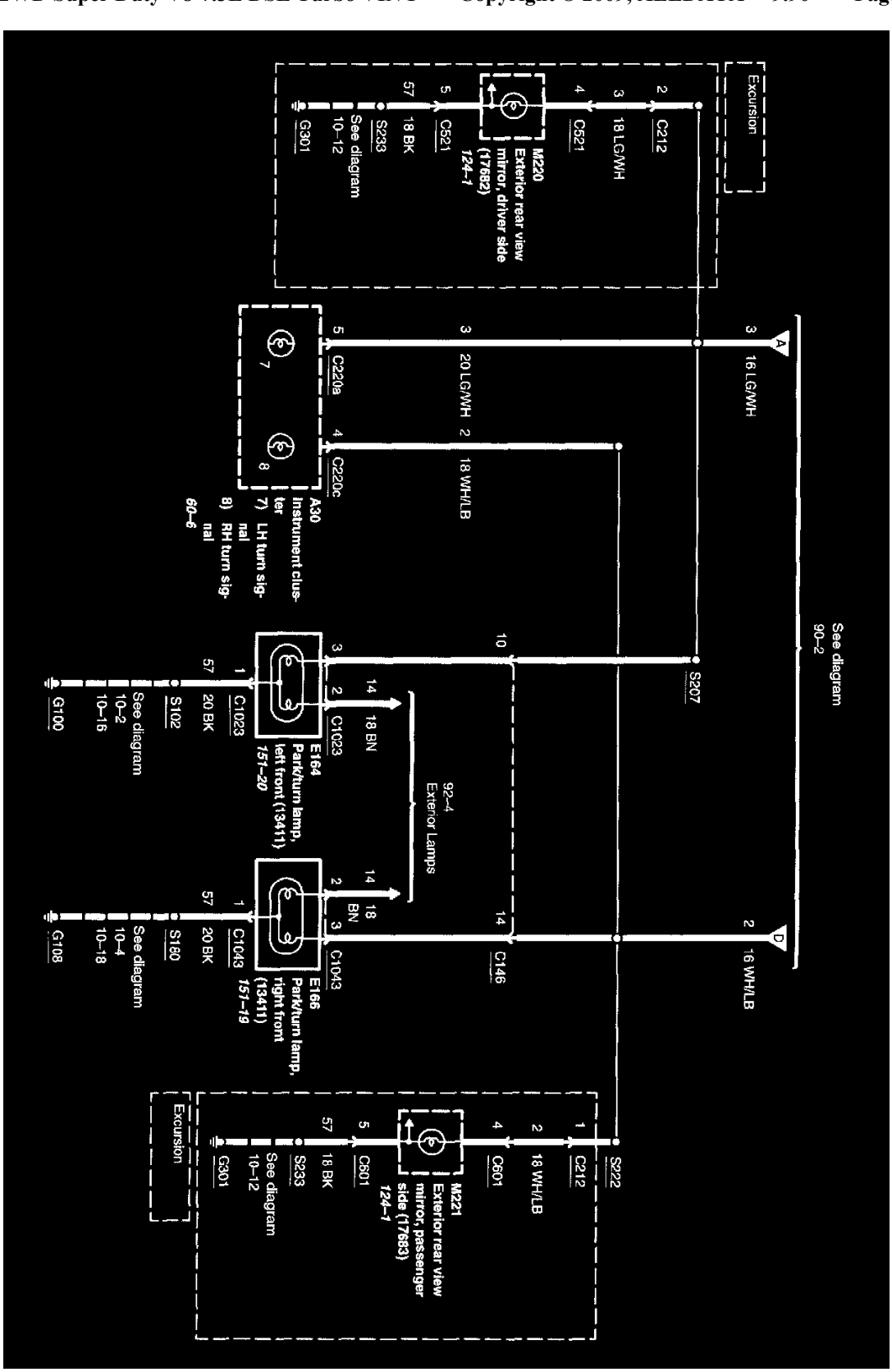

Excursion
C212
18 LG/WH
C521
M220
Exterior rear view mirror, driver side (17682)
124-1
C521
18 BK
S233
See diagram 10-12
G301
See diagram 90-2
16 LG/WH
20 LG/WH
C220a
18 WH/LB
C220c
A30
Instrument cluster
7) LH turn signal
8) RH turn signal
60-6
S207
18 BN
C1023
E164
Park/turn lamp, left front (13411)
151-20
20 BK
S102
See diagram 10-2 10-16
G100
92-4 Exterior Lamps
C146
16 WH/LB
C1043
E166
Park/turn lamp, right front (13411)
151-19
S180
See diagram 10-4 10-18
G108
S222
C212
18 WH/LB
C601
M221
Exterior rear view mirror, passenger side (17683)
124-1
C601
18 BK
S233
See diagram 10-12
G301
Excursion

Diagram 90-3

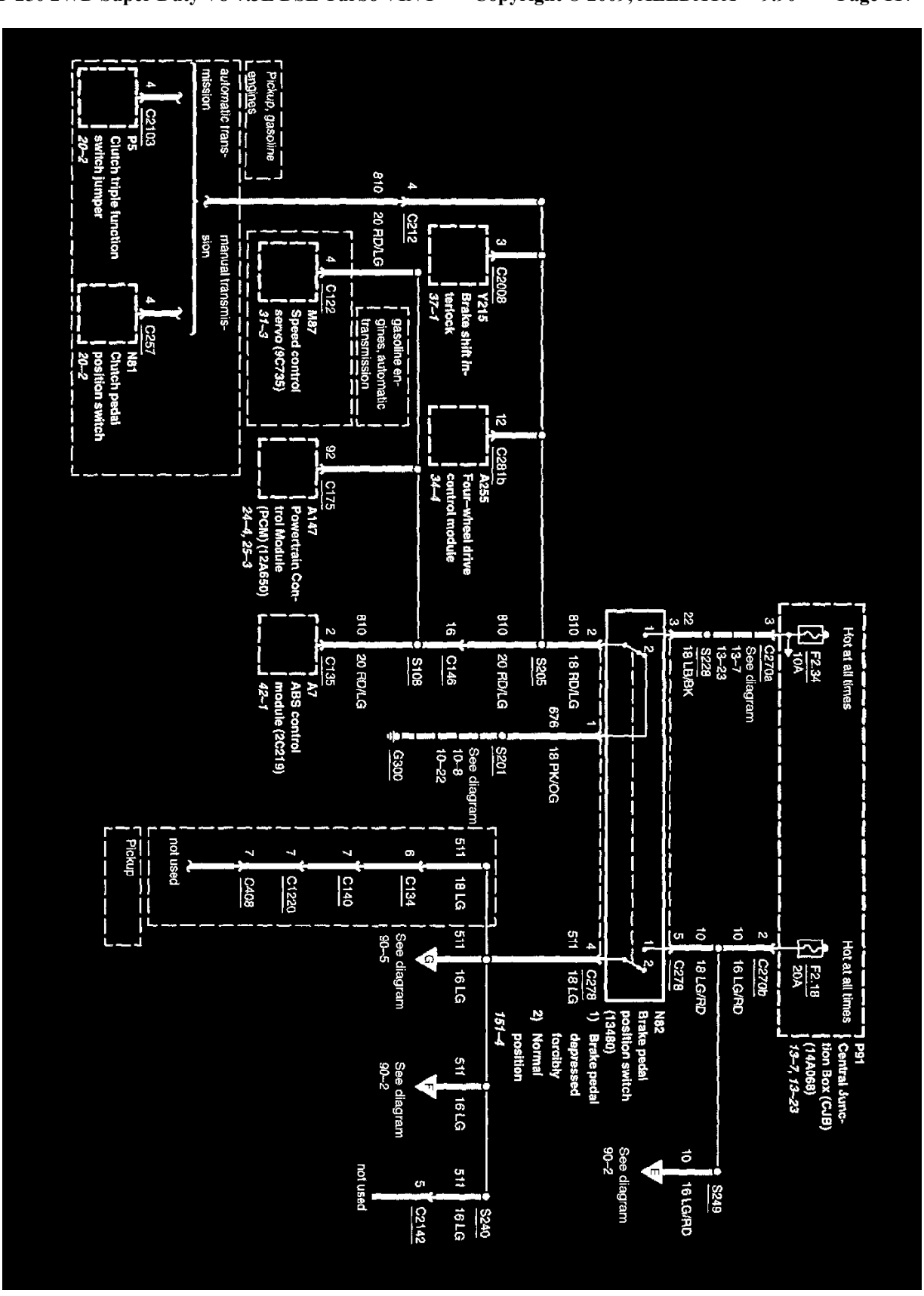

Hot at all times
F2.34
10A
C270a
See diagram 13–7
13–23
S228
18 LB/BK
Hot at all times
F2.18
20A
P91
Central Junction Box (CJB)
(14A068)
13–7, 13–23
C270b
16 LG/RD
18 LG/RD
C278
N82
Brake pedal position switch
(13480)
1) Brake pedal depressed forcibly
2) Normal position
151–4
See diagram 90–2
S249
16 LG/RD
S240
16 LG
C2142
not used
S205
18 RD/LG
676
18 PK/OG
S201
See diagram 10–8
10–22
G300
C2008
Y215
Brake shift interlock
37–1
C212
20 RD/LG
gasoline engines, automatic transmission
C122
M87
Speed control servo (9C735)
31–3
C2281b
A255
Four-wheel drive control module
34–4
S108
C146
16
810
C175
A147
Powertrain Control Module (PCM) (12A650)
24–4, 25–3
C135
A7
ABS control module (2C219)
42–1
Pickup, gasoline engines
automatic transmission
manual transmission
C2103
P5
Clutch triple function switch jumper
20–2
C257
N81
Clutch pedal position switch
20–2
See diagram 90–5
See diagram 90–2
511
18 LG
16 LG
C134
C140
C1220
C408
not used
Pickup

Diagram 90-4

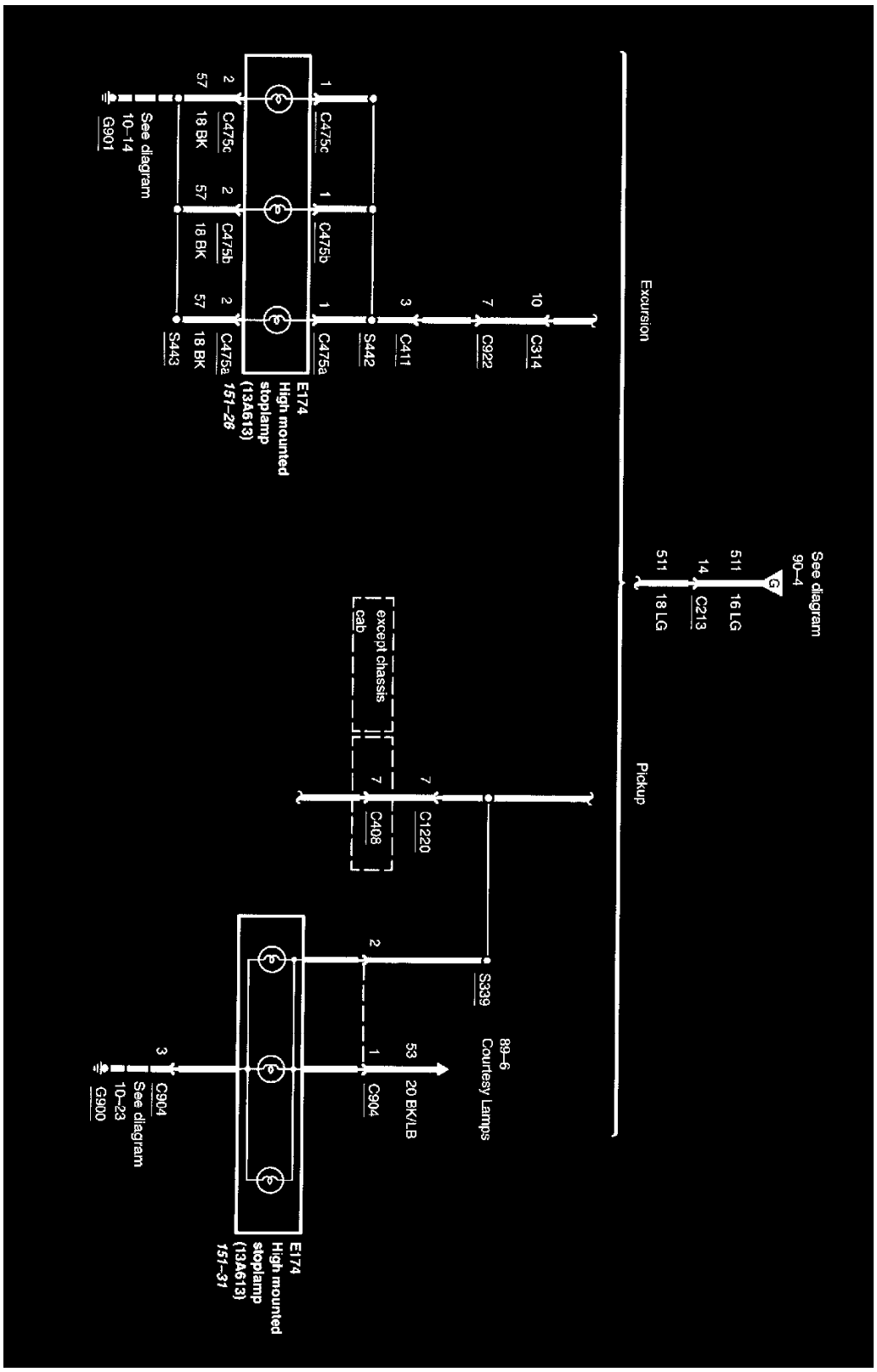

See diagram 90–4
511 16 LG
14 C213
511 18 LG
Excursion
Pickup
10 C314
7 C922
3 C411
S442
C475a
E174 High mounted stoplamp (13A613) 151–26
C475c 2 18 BK 57
C475b 2 18 BK 57
S443
See diagram 10–14 G901
except chassis cab
7 C1220
7 C408
S339
89–6 Courtesy Lamps
53 20 BK/LB
1 C904
2
E174 High mounted stoplamp (13A613) 151–31
3 C904
See diagram 10–23 G900

Diagram 90-5

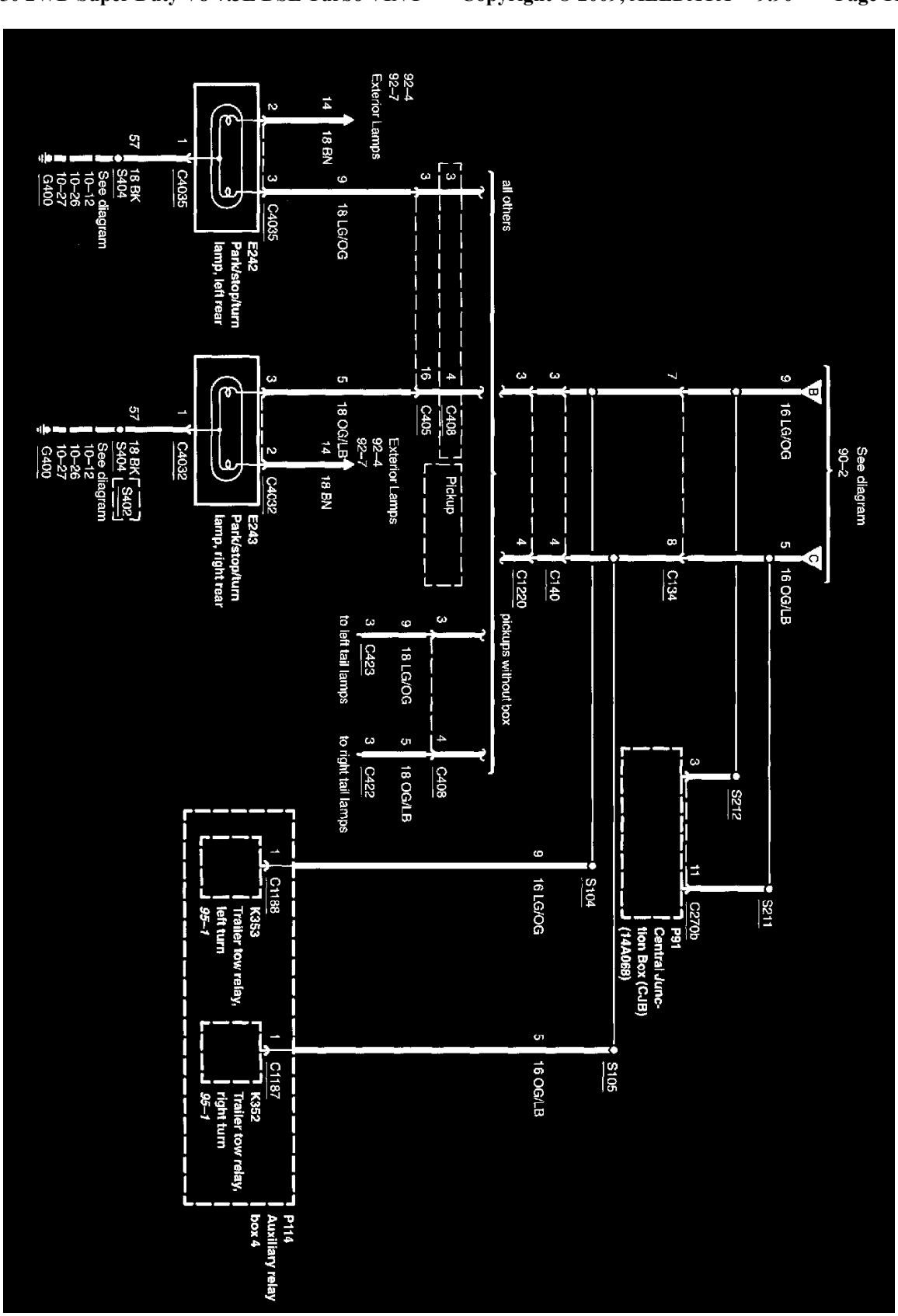

See diagram 90–2
16 LG/OG
16 OG/LB
S211
S212
C270b
P91 Central Junction Box (CJB) (14A068)
C134
C140
C1220
pickups without box
all others
S104
S105
16 LG/OG
16 OG/LB
C408
C405
Pickup
Exterior Lamps 92–4 92–7
18 LG/OG
18 OG/LB
18 BN
C423
C422
to left tail lamps
to right tail lamps
C4035
C4032
E242 Park/stop/turn lamp, left rear
E243 Park/stop/turn lamp, right rear
18 BK S404
See diagram 10–12 10–26 10–27 G400
S402
C1188
C1187
K353 Trailer tow relay, left turn 95–7
K352 Trailer tow relay, right turn 95–7
P114 Auxiliary relay box 4

Diagram 90-6

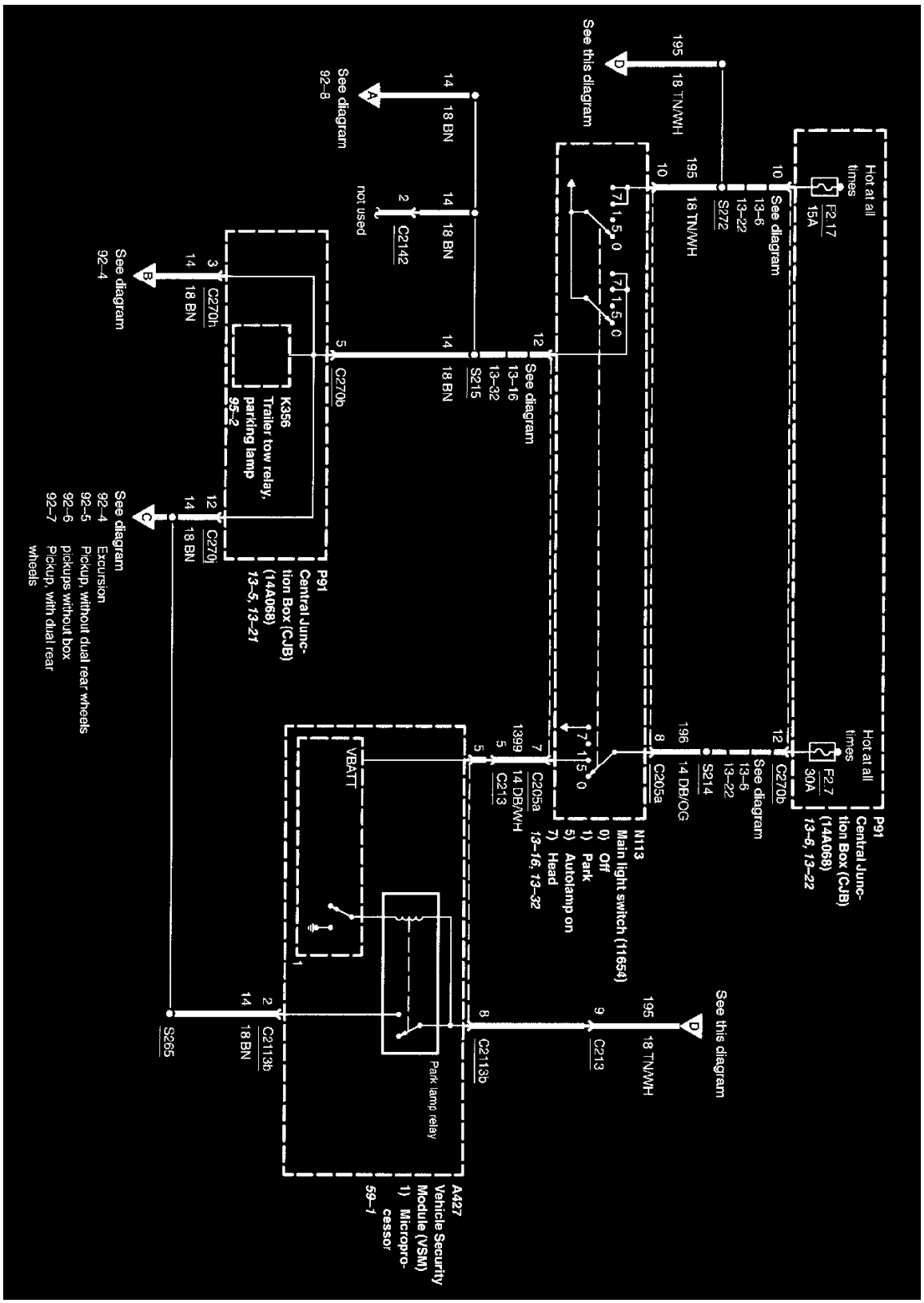

P91
Central Junction Box (CJB)
(14A068)
13–6, 13–22
Hot at all times
F2.17
15A
F2.7
30A
See diagram
13–6
13–22
S272
S214
C270b
C205a
14 DB/OG
196
195
18 TN/WH
See this diagram
N113
Main light switch (11654)
0) Off
1) Park
5) Autolamp on
7) Head
C205a
13–16, 13–32
1399
14 DB/WH
C213
C2113b
Park lamp relay
VBATT
A427
Vehicle Security Module (VSM)
1) Microprocessor
59–1
S265
C2113b
18 BN
See diagram
13–16
13–32
S215
C270b
K356
Trailer tow relay, parking lamp
95–2
C270i
C270h
See diagram
92–8
not used
C2142
See diagram
92–4
See diagram
92–4 Excursion
92–5 Pickup, without dual rear wheels
92–6 pickups without box
92–7 Pickup, with dual rear wheels
P91
Central Junction Box (CJB)
(14A068)
13–5, 13–21

Diagram 92-3

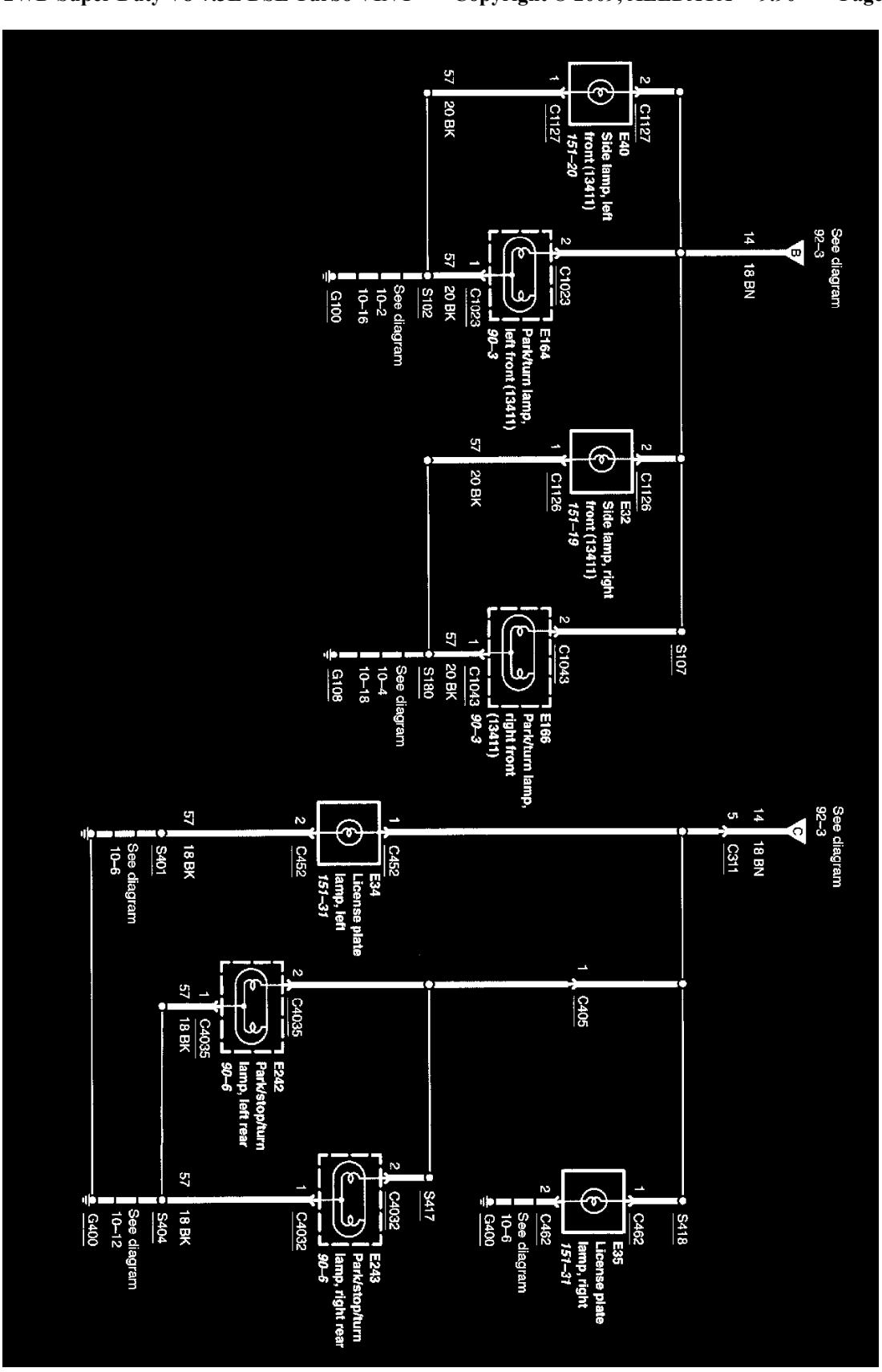

See diagram 92-3
B
14
18 BN
C1127
E40
Side lamp, left front (13411)
151-20
C1127
2
1
57
20 BK
C1023
E164
Park/turn lamp, left front (13411)
90-3
C1023
S102
See diagram 10-2 10-16
G100
C1126
E32
Side lamp, right front (13411)
151-19
C1126
S107
C1043
E166
Park/turn lamp, right front (13411)
90-3
C1043
S180
See diagram 10-4 10-18
G108
See diagram 92-3
C
14
18 BN
5
C311
C452
E34
License plate lamp, left
151-31
C452
S401
18 BK
See diagram 10-6
C405
C4035
E242
Park/stop/turn lamp, left rear
90-6
C4035
S404
18 BK
See diagram 10-12
G400
S417
C4032
E243
Park/stop/turn lamp, right rear
90-6
C4032
S418
C462
E35
License plate lamp, right
151-31
C462
See diagram 10-6
G400

Diagram 92-4

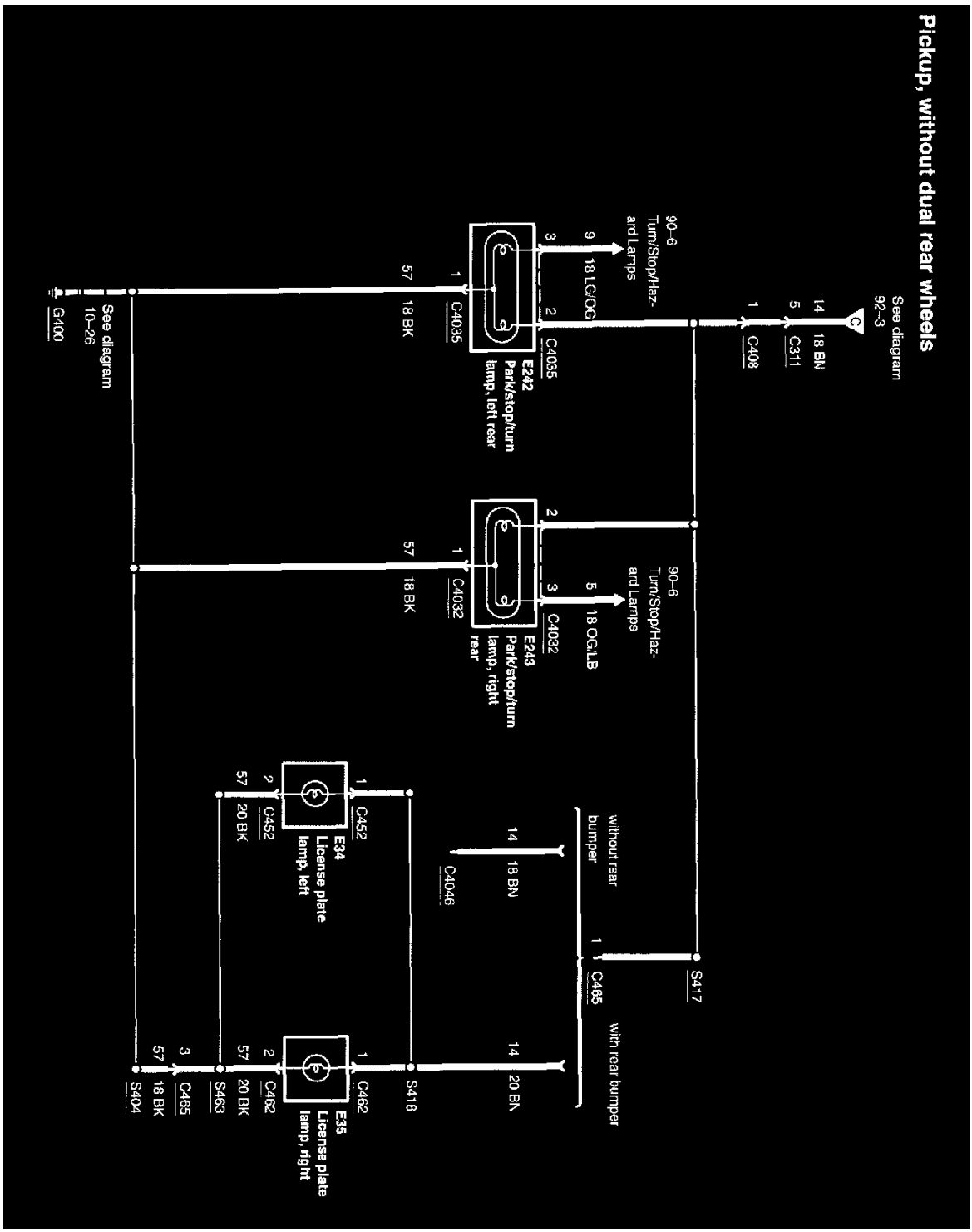

Pickup, without dual rear wheels
See diagram 92–3
14 18 BN
5 C311
1 C408
90–6 Turn/Stop/Hazard Lamps
9 18 LG/OG
3 2
C4035
E242 Park/stop/turn lamp, left rear
1 C4035
57 18 BK
See diagram 10–26
G400
2 C4032
E243 Park/stop/turn lamp, right rear
1 C4032
57 18 BK
90–6 Turn/Stop/Hazard Lamps
5 18 OG/LB
without rear bumper
with rear bumper
1 C465
S417
14 18 BN
C4046
14 20 BN
S418
1 C452
E34 License plate lamp, left
2 C452
57 20 BK
1 C462
E35 License plate lamp, right
2 C462
57 20 BK
S463
3 C465
57 18 BK
S404

Diagram 92-5

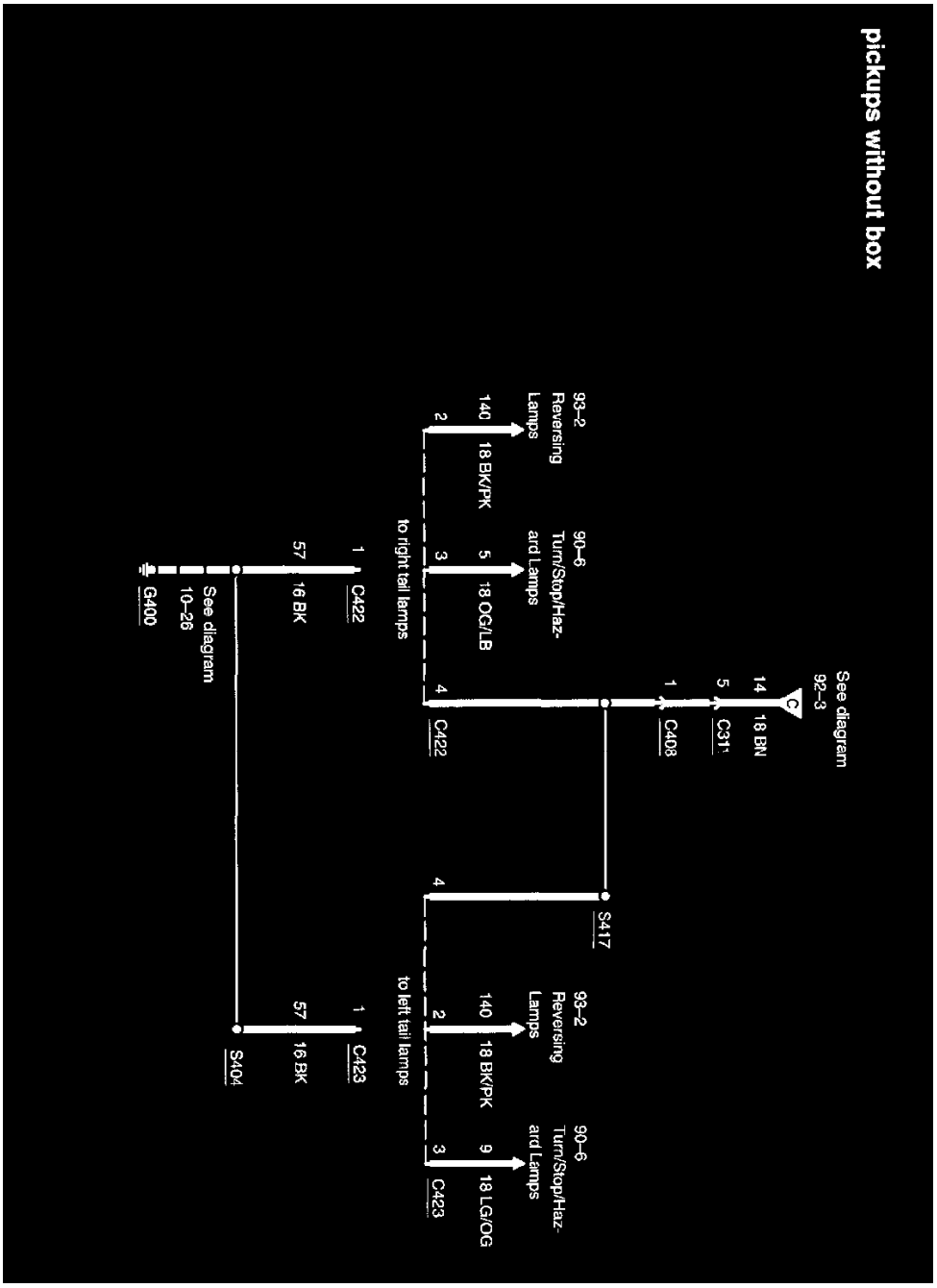

pickups without box
See diagram 92–3
14 18 BN
5 C31
1 C408
93–2 Reversing Lamps
140 18 BK/PK
2
90–6 Turn/Stop/Hazard Lamps
5 18 OG/LB
3
4 C422
to right tail lamps
1 C422
57 16 BK
See diagram 10–26
G400
S417
4
93–2 Reversing Lamps
140 18 BK/PK
2
90–6 Turn/Stop/Hazard Lamps
9 18 LG/OG
3 C423
to left tail lamps
1 C423
57 16 BK
S404

Diagram 92-6

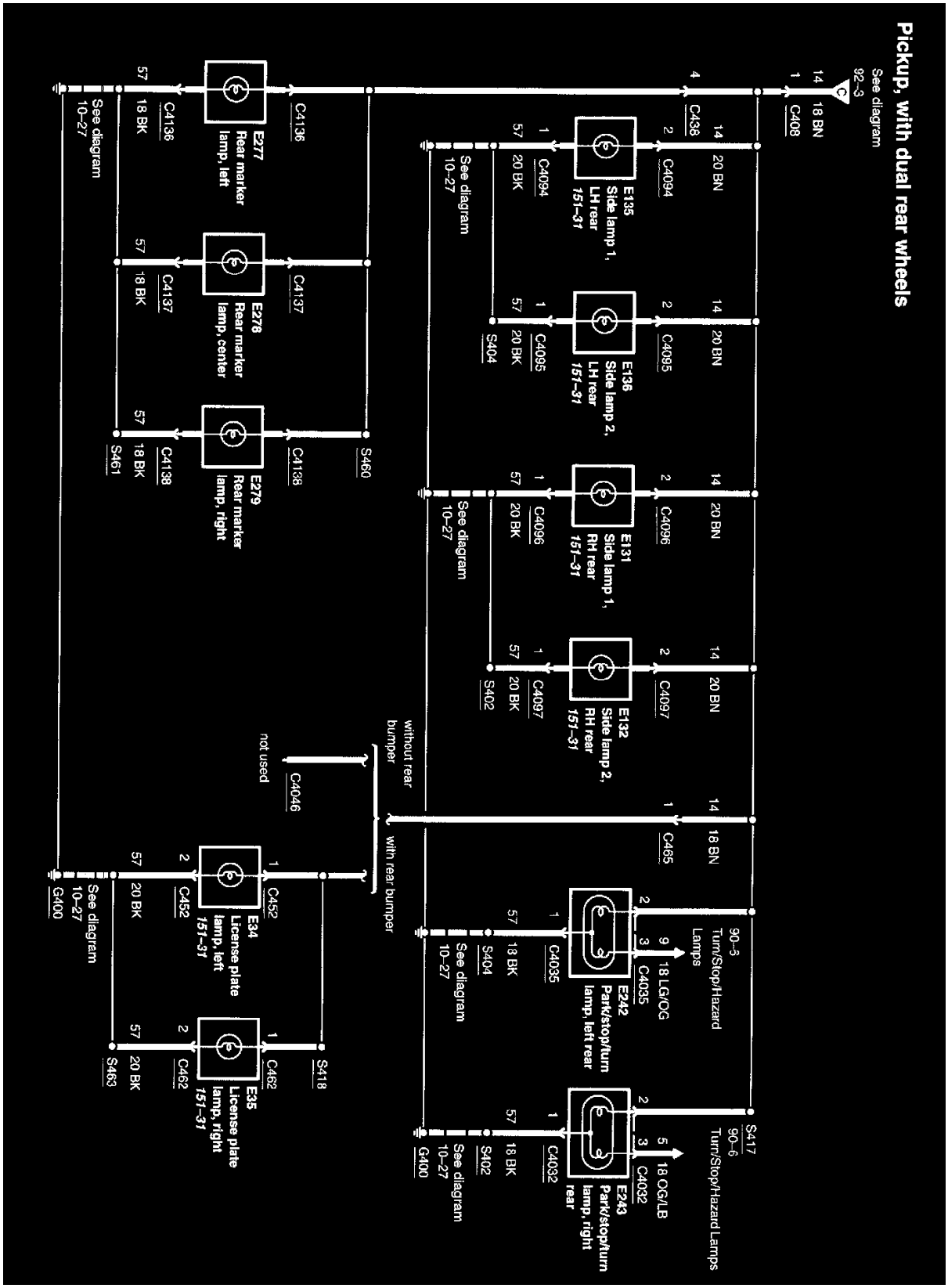

Pickup, with dual rear wheels
See diagram 92–3
14 18 BN
1 C408
4
14 C438
2 C4094
20 BN
E135 Side lamp 1, LH rear 151–31
1 57 C4094 20 BK
See diagram 10–27
14 C438
2 C4095
20 BN
E136 Side lamp 2, LH rear 151–31
1 57 C4095 20 BK
S404
14 C438
2 C4096
20 BN
E131 Side lamp 1, RH rear 151–31
1 57 C4096 20 BK
See diagram 10–27
14 C438
2 C4097
20 BN
E132 Side lamp 2, RH rear 151–31
1 57 C4097 20 BK
S402
14 18 BN
1 C465
90–3 Turn/Stop/Hazard Lamps
9 18 LG/OG
2 3 C4035
E242 Park/stop/turn lamp, left rear
1 C4035 57 18 BK
S404
See diagram 10–27
S417 90–6 Turn/Stop/Hazard Lamps
5 18 OG/LB
2 3 C4032
E243 Park/stop/turn lamp, right rear
1 C4032 57 18 BK
S402
See diagram 10–27
G400
without rear bumper
with rear bumper
not used
C4046
1 C452
2 C452
E34 License plate lamp, left 151–31
57 20 BK
See diagram 10–27
G400
1 C462
2 C462
E35 License plate lamp, right 151–31
57 20 BK
S463
S418
57 C4136 18 BK
See diagram 10–27
C4136
E277 Rear marker lamp, left
57 C4137 18 BK
C4137
E278 Rear marker lamp, center
57 C4138 18 BK
S461
C4138
S460
E279 Rear marker lamp, right

Diagram 92-7

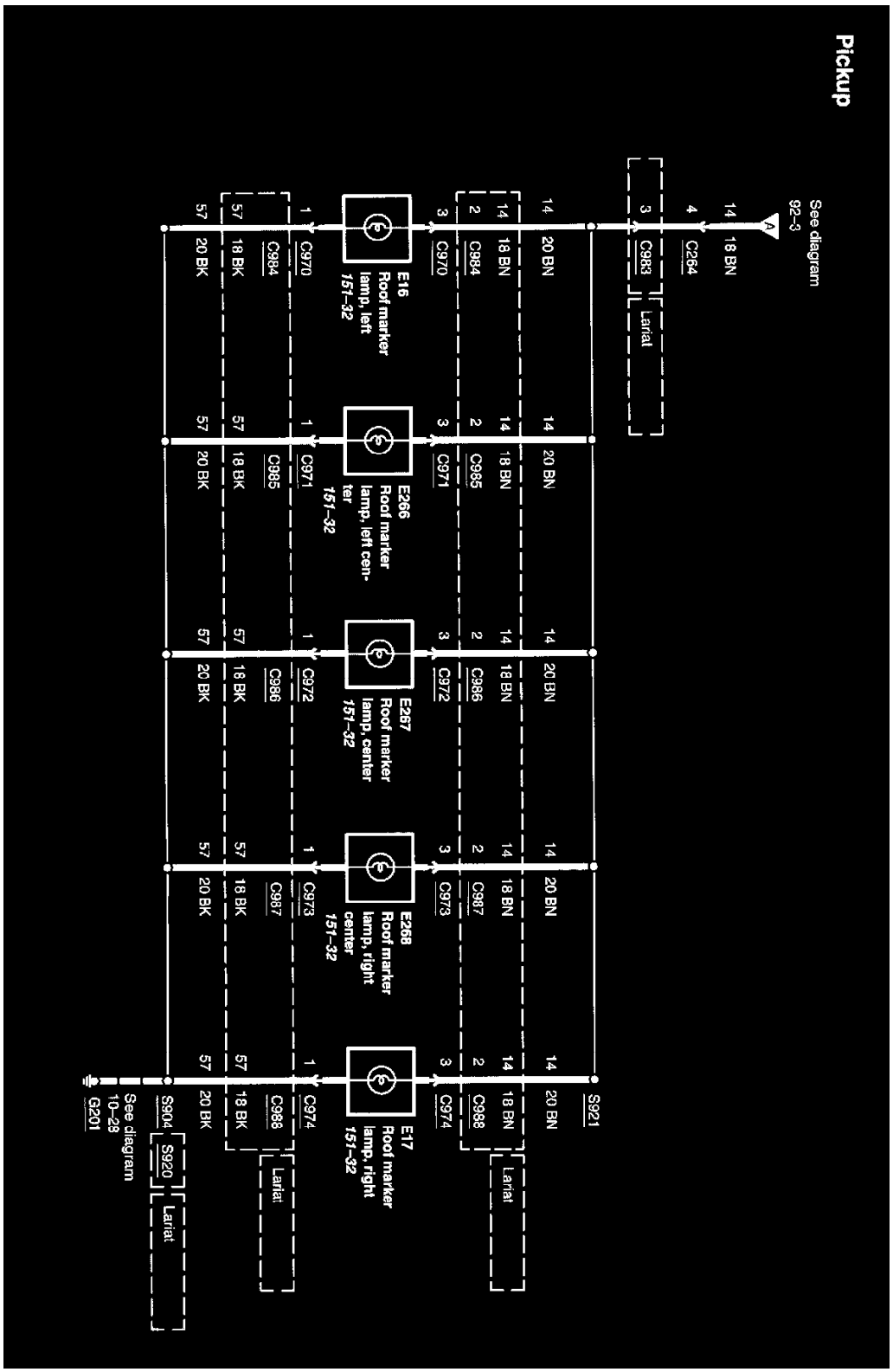

Pickup
See diagram 92–3
A
14 18 BN
4
C264
3
C983
Lariat
14 20 BN
14 18 BN
2
C984
3
C970
E16
Roof marker lamp, left
151–32
1
C970
C984
57 18 BK
57 20 BK
14 20 BN
14 18 BN
2
C985
3
C971
E266
Roof marker lamp, left center
151–32
1
C971
C985
57 18 BK
57 20 BK
14 20 BN
14 18 BN
2
C986
3
C972
E267
Roof marker lamp, center
151–32
1
C972
C986
57 18 BK
57 20 BK
14 20 BN
14 18 BN
2
C987
3
C973
E268
Roof marker lamp, right center
151–32
1
C973
C987
57 18 BK
57 20 BK
S921
14 20 BN
14 18 BN
2
C988
3
C974
E17
Roof marker lamp, right
151–32
1
C974
C988
57 18 BK
57 20 BK
Lariat
Lariat
S904
S920
Lariat
See diagram 10–23
G201

Diagram 92-8

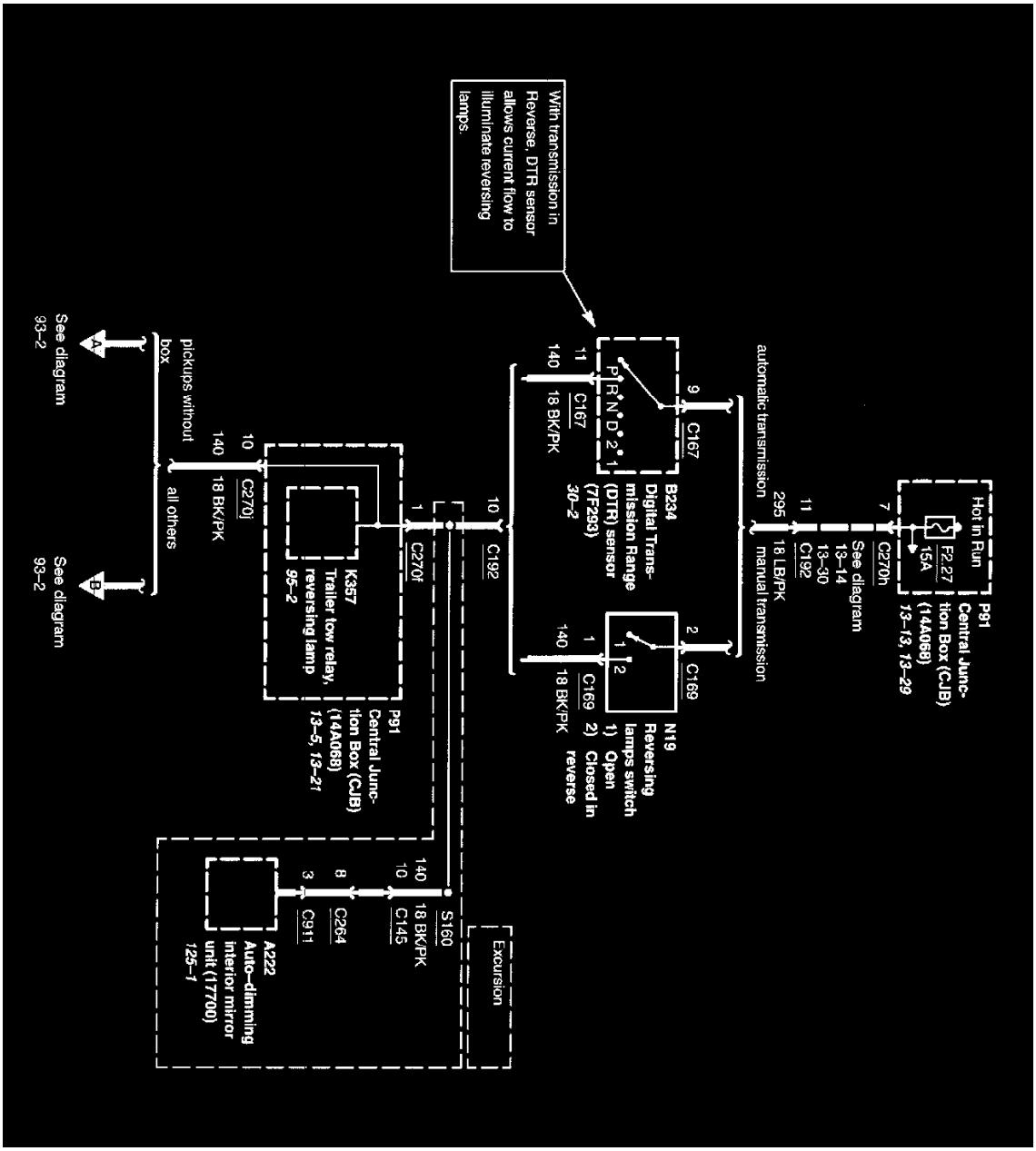

P91
Central Junction Box (CJB)
(14A068)
13–13, 13–29
Hot in Run
F2.27
15A
7
C270h
See diagram
13–14
13–30
11
C192
295
18 LB/PK
manual transmission
automatic transmission
C169
2
N19
Reversing
lamps switch
1) Open
2) Closed in
reverse
1
C169
140
18 BK/PK
C192
10
S160
18 BK/PK
C145
140
10
C264
8
C911
3
A222
Auto–dimming
interior mirror
unit (17700)
125–1
Excursion
C167
9
B234
Digital Transmission Range
(DTR) sensor
(7F293)
30–2
P R N D 2 1
11
C167
140
18 BK/PK
With transmission in Reverse, DTR sensor allows current flow to illuminate reversing lamps.
C270f
1
K357
Trailer tow relay,
reversing lamp
95–2
P91
Central Junction Box (CJB)
(14A068)
13–5, 13–21
C270j
10
140
18 BK/PK
pickups without box
all others
A
B
See diagram
93–2
See diagram
93–2

Diagram 93-1

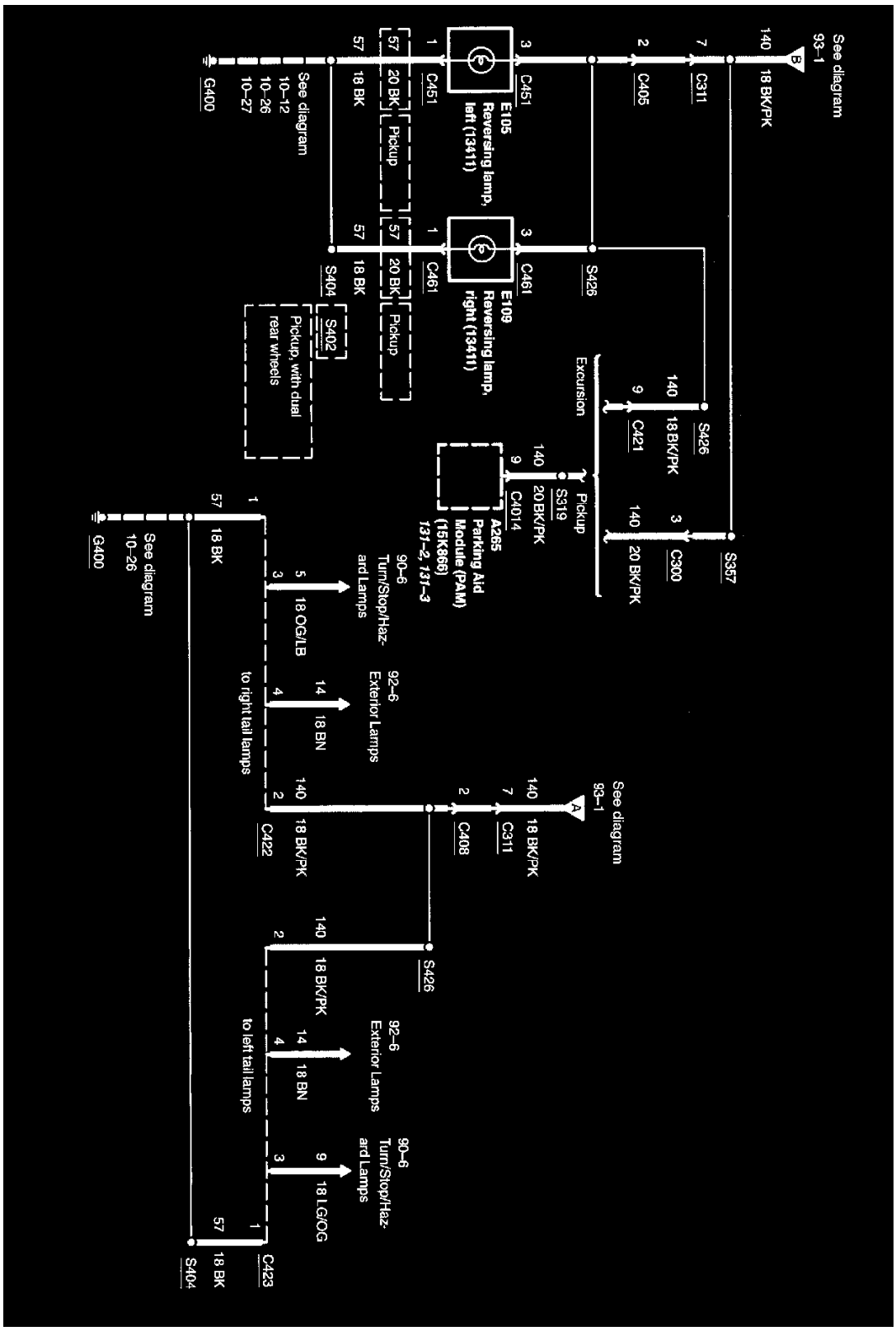

See diagram 93–1
140 18 BK/PK
C311
C405
C451
E105 Reversing lamp, left (13411)
C461
E109 Reversing lamp, right (13411)
S426
S404
S402
Pickup, with dual rear wheels
Pickup
Excursion
S319
C4014
A265 Parking Aid Module (PAM) (15K866) 131–2, 131–3
S357
C300
20 BK/PK
18 BK/PK
20 BK
18 BK
57
See diagram 10–12 10–26 10–27
G400
90–6 Turn/Stop/Hazard Lamps
92–6 Exterior Lamps
18 OG/LB
18 BN
C422
C408
18 LG/OG
C423
to right tail lamps
to left tail lamps

Diagram 93-2

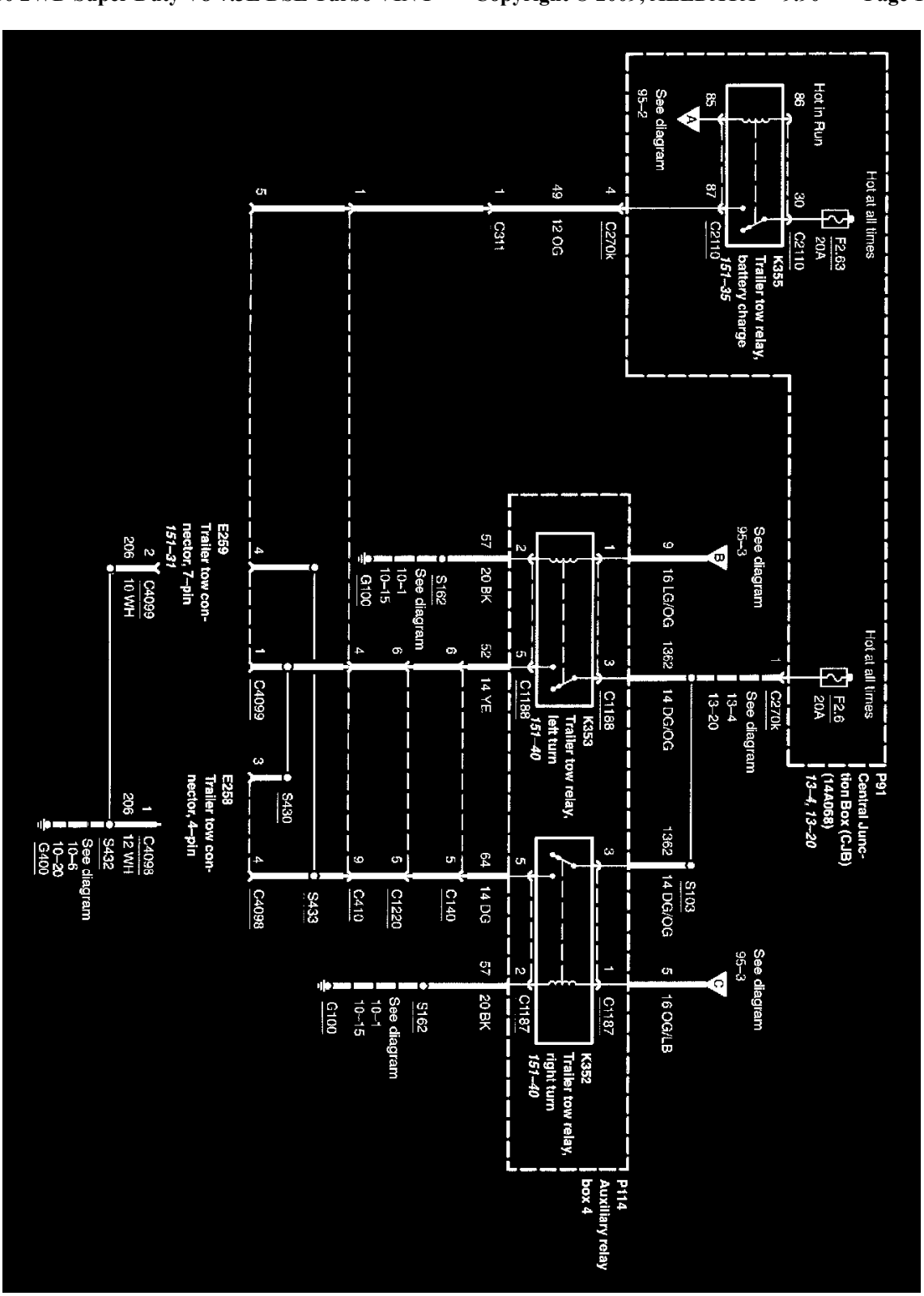

Hot at all times
Hot in Run
F2.63
20A
C2110
K355
Trailer tow relay, battery charge
151–35
See diagram
95–2
C270k
C311
12 OG
C1188
K353
Trailer tow relay, left turn
151–40
See diagram
95–3
16 LG/OG
1362
14 DG/OG
S103
C1187
K352
Trailer tow relay, right turn
151–40
16 OG/LB
P91
Central Junction Box (CJB)
(14A068)
13–4, 13–20
P114
Auxiliary relay box 4
See diagram
13–4
13–20
20 BK
S162
See diagram
10–1
10–15
G100
14 YE
C140
14 DG
C1220
C410
S433
S430
C4099
10 WH
E259
Trailer tow connector, 7–pin
151–31
E258
Trailer tow connector, 4–pin
C4098
12 WH
S432
See diagram
10–6
10–20
G400

Diagram 95-1

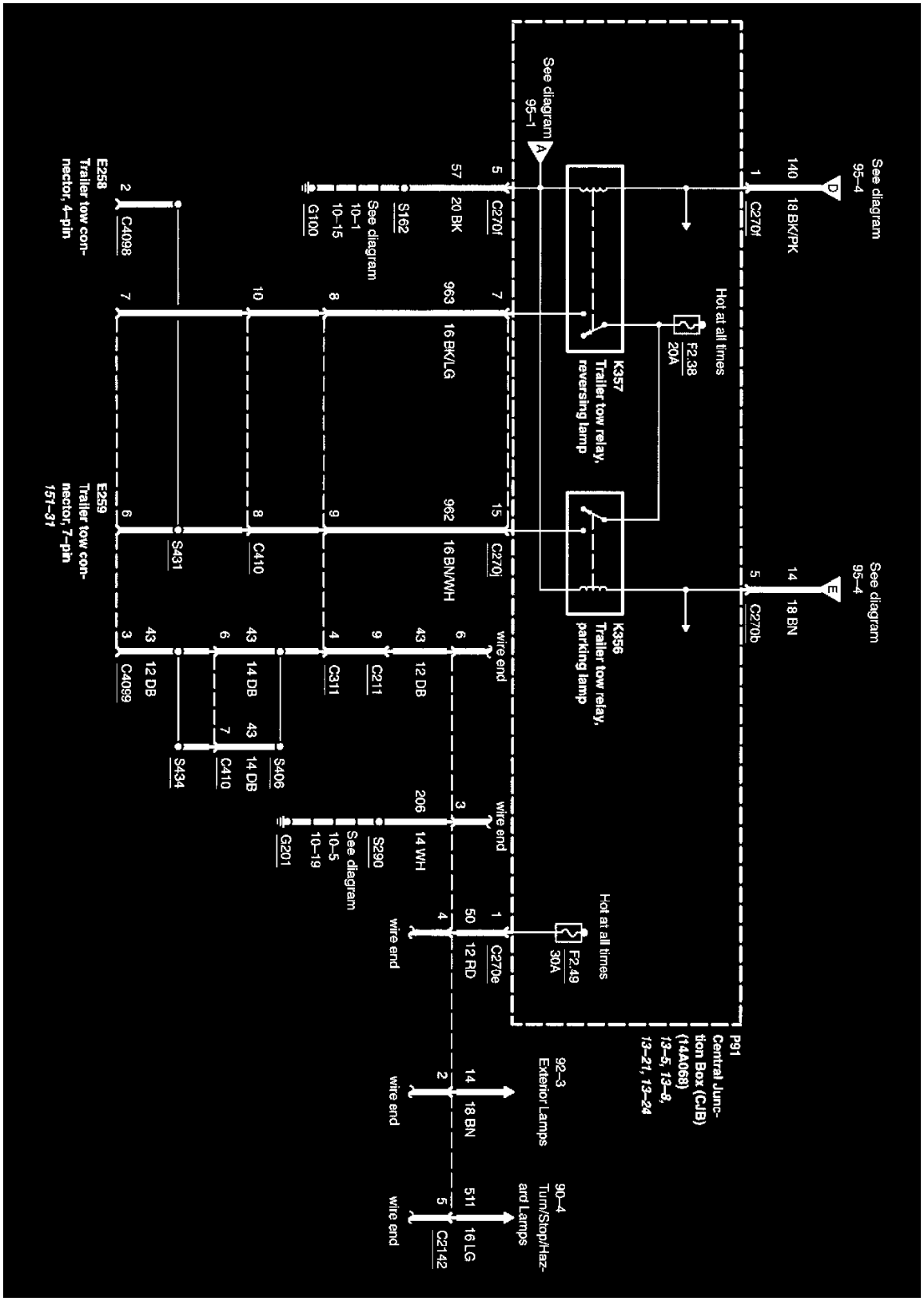

See diagram 95–4
140
18 BK/PK
C270f
1
See diagram 95–4
14
18 BN
C270b
5
Hot at all times
F2.38
20A
K357
Trailer tow relay, reversing lamp
K356
Trailer tow relay, parking lamp
See diagram 95–1
A
5
C270f
57
20 BK
S162
See diagram 10–1 10–15
G100
7
963
16 BK/LG
15
962
16 BN/WH
C270j
wire end
6
43
12 DB
9
C211
4
C311
wire end
3
206
14 WH
S290
See diagram 10–5 10–19
G201
Hot at all times
F2.49
30A
1
50
12 RD
C270e
4
wire end
P91
Central Junction Box (CJB)
(14A068)
13–5, 13–9, 13–21, 13–24
92–3
Exterior Lamps
14
18 BN
2
wire end
90–4
Turn/Stop/Hazard Lamps
511
16 LG
5
C2142
wire end
2
C4098
7
E258
Trailer tow connector, 4–pin
10
8
C410
43
14 DB
6
7
S434
S406
43
14 DB
C410
6
E259
Trailer tow connector, 7–pin
151–31
S431
43
12 DB
3
C4099

Diagram 95-2

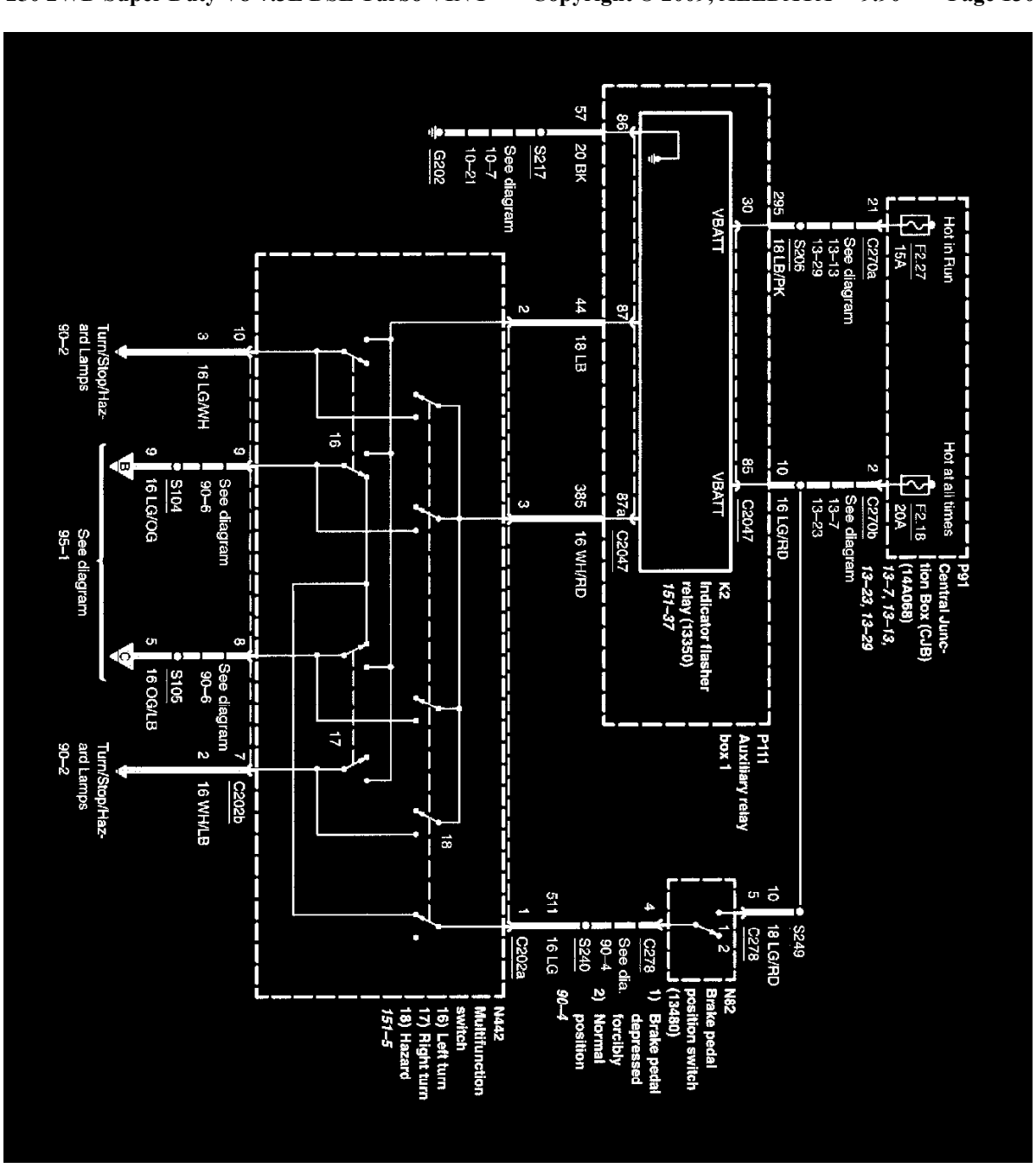

Hot in Run
F2.27
15A
C270a
See diagram
13–13
13–29
S206
18 LB/PK
295
21
Hot at all times
F2.18
20A
C270b
See diagram
13–7
13–23
P91
Central Junction Box (CJB)
(14A068)
13–7, 13–13, 13–23, 13–29
10
16 LG/RD
C2047
85
87a
C2047
16 WH/RD
385
3
2
44
18 LB
87
30
VBATT
VBATT
86
57
20 BK
S217
See diagram
10–7
10–21
G202
K2
Indicator flasher relay (13350)
151–37
P111
Auxiliary relay box 1
S249
18 LG/RD
C278
10
5
1
2
N82
Brake pedal position switch
(13480)
1) Brake pedal depressed
2) Normal position
C278
4
See dia.
90–4
forcibly
S240
16 LG
511
1
C202a
90–4
N442
Multifunction switch
16) Left turn
17) Right turn
18) Hazard
151–5
18
17
16
10
3
16 LG/WH
Turn/Stop/Hazard Lamps
90–2
9
See diagram
90–6
S104
16 LG/OG
B
See diagram
95–1
8
See diagram
90–6
S105
16 OG/LB
Q
7
C202b
2
16 WH/LB
Turn/Stop/Hazard Lamps
90–2

Diagram 95-3

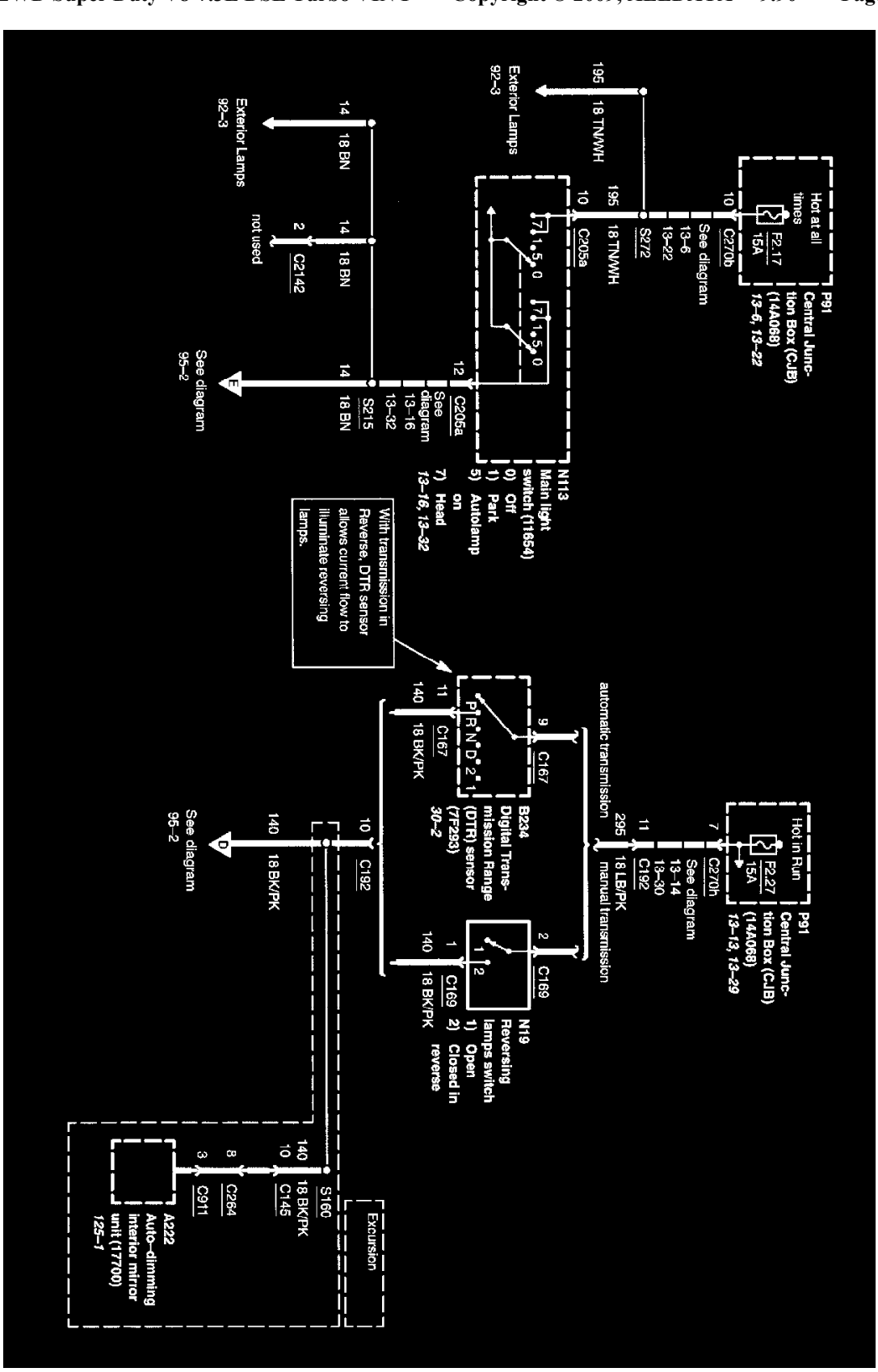

P91
Central Junction Box (CJB)
(14A068)
13–6, 13–22
Hot at all times
F2.17
15A
C270b
10
See diagram
13–6
13–22
S272
195
18 TN/WH
C205a
10
N113
Main light switch (11654)
0) Off
1) Park
5) Autolamp on
7) Head
13–16, 13–32
Exterior Lamps
92–3
C205a
12
See diagram
13–16
13–32
S215
14
18 BN
C2142
2
not used
See diagram
95–2
With transmission in Reverse, DTR sensor allows current flow to illuminate reversing lamps.
P91
Central Junction Box (CJB)
(14A068)
13–13, 13–29
Hot in Run
F2.27
15A
C270h
7
See diagram
13–14
13–30
C192
11
295
18 LB/PK
manual transmission
automatic transmission
C169
2
C169
1
140
18 BK/PK
N19
Reversing lamps switch
1) Open
2) Closed in reverse
C167
9
B234
Digital Transmission Range (DTR) sensor
(7F293)
30–2
C167
11
140
18 BK/PK
P R N D 2 1
C192
10
140
18 BK/PK
See diagram
95–2
Excursion
S160
140
10
18 BK/PK
C145
C264
8
3
C911
A222
Auto–dimming interior mirror unit (17700)
125–1

Diagram 95-4

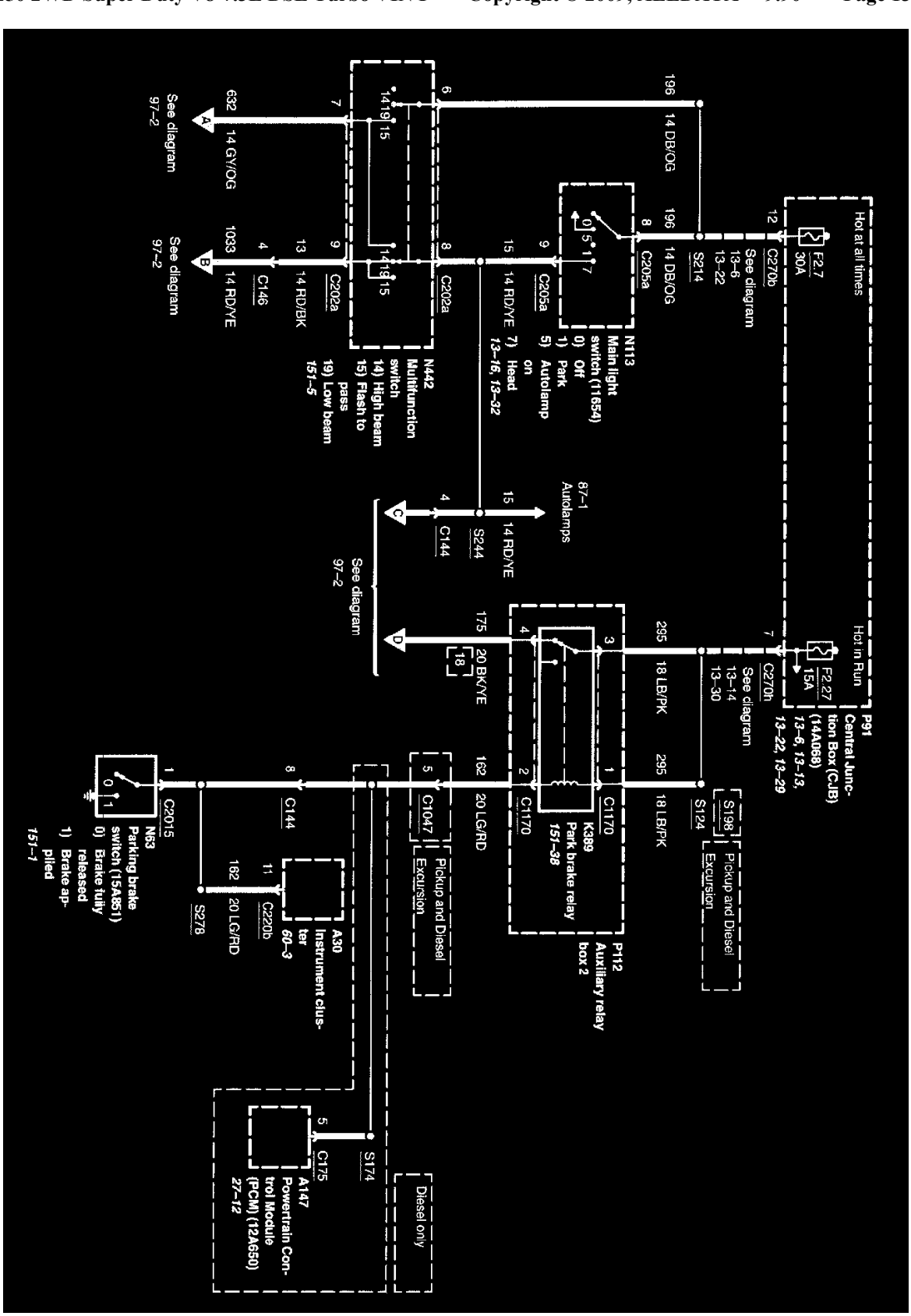

Hot at all times
Hot in Run
P91
Central Junction Box (CJB)
(14A068)
13–6, 13–13, 13–22, 13–29
F2.7
30A
F2.27
15A
C270b
C270h
See diagram 13–6 13–22
See diagram 13–14 13–30
S214
S124
S198
Pickup and Diesel Excursion
196
14 DB/OG
295
18 LB/PK
C205a
N113
Main light switch (11654)
0) Off
1) Park
5) Autolamp on
7) Head
13–16, 13–32
C202a
N442
Multifunction switch
14) High beam
15) Flash to pass
19) Low beam
151–5
C146
632
14 GY/OG
1033
14 RD/YE
13 14 RD/BK
See diagram 97–2
S244
C144
87–1 Autolamps
C1170
K389
Park brake relay
151–38
P112
Auxiliary relay box 2
175
20 BK/YE
18
20 LG/RD
162
C1047
Pickup and Diesel Excursion
Diesel only
S174
A30
Instrument cluster
60–3
C220b
20 LG/RD
S278
C175
A147
Powertrain Control Module (PCM) (12A650)
27–12
C2015
N53
Parking brake switch (15A851)
0) Brake fully released
1) Brake applied
151–1

Diagram 97-1

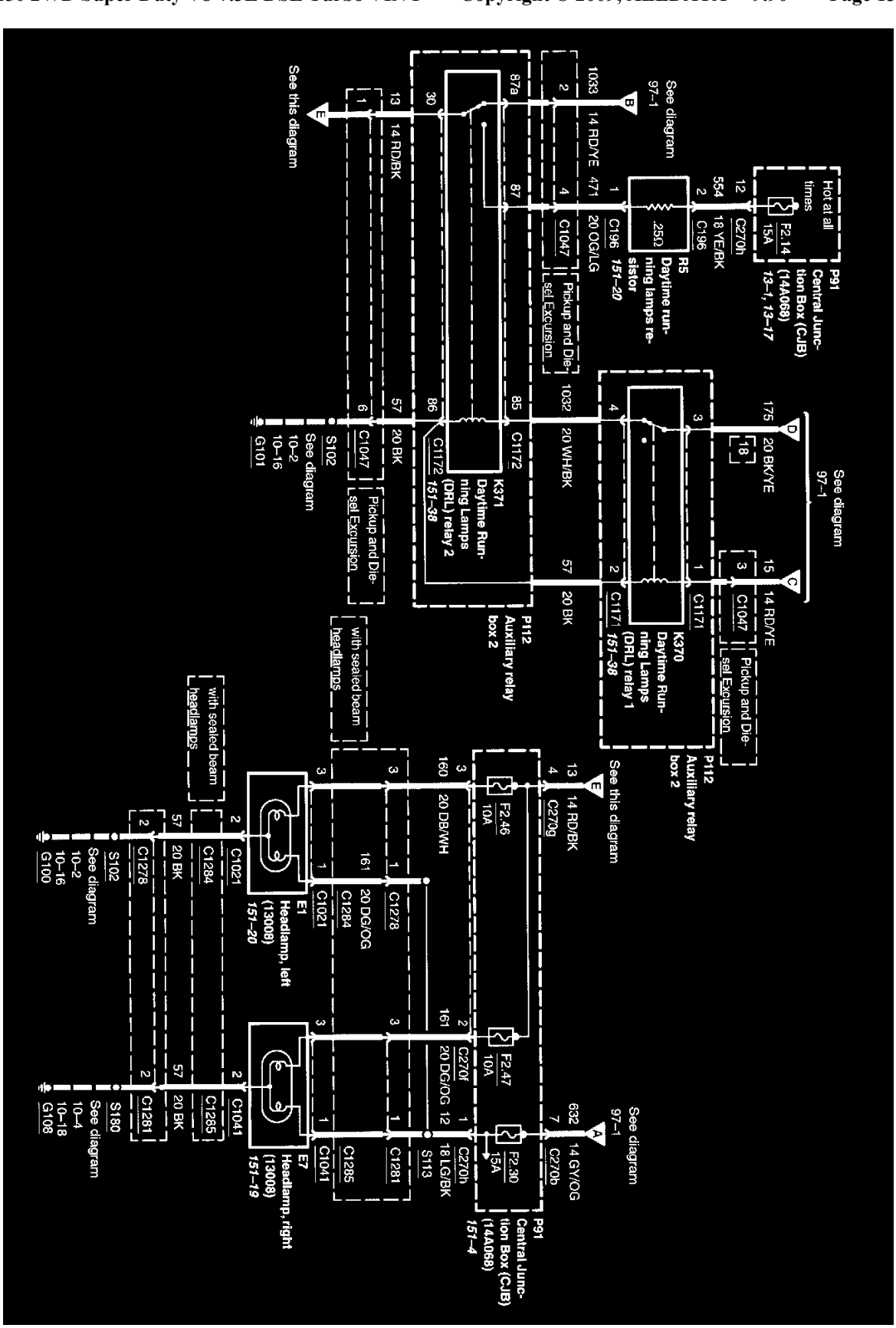

See diagram 97–1
Hot at all times
F2.14 15A
P91 Central Junction Box (CJB) (14A068) 13–1, 13–17
12
554
C270h
2
C196
18 YE/BK
See diagram 97–1
B
1033
14 RD/YE
471
20 OG/LG
C196 151–20
R5 Daytime running lamps resistor
.25Ω
1
2
4
C1047
Pickup and Excursion
sel
87a
87
30
86
85
C1172
K371 Daytime Running Lamps (DRL) relay 2
C1172 151–38
1032
20 WH/BK
57
20 BK
P112 Auxiliary relay box 2
13
14 RD/BK
C270g
See this diagram
E
See this diagram
E
S102
See diagram 10–2
10–16
G101
with sealed beam headlamps
175
20 BK/YE
D
18
15
C
14 RD/YE
C1171
K370 Daytime Running Lamps (DRL) relay 1
C1171 151–38
F2.46 10A
F2.47 10A
F2.30 15A
160
20 DB/WH
161
20 DG/OG
C1278
C1284
C1021
E1 Headlamp, left (13008) 151–20
C1041
E7 Headlamp, right (13008) 151–19
C1285
C1281
S113
12
18 LG/BK
C270f
C270h
P91 Central Junction Box (CJB) (14A068) 151–4
632
14 GY/OG
7
A
See diagram 97–1
S102
See diagram 10–2
10–16
G100
S180
See diagram 10–4
10–18
G108

Diagram 97-2

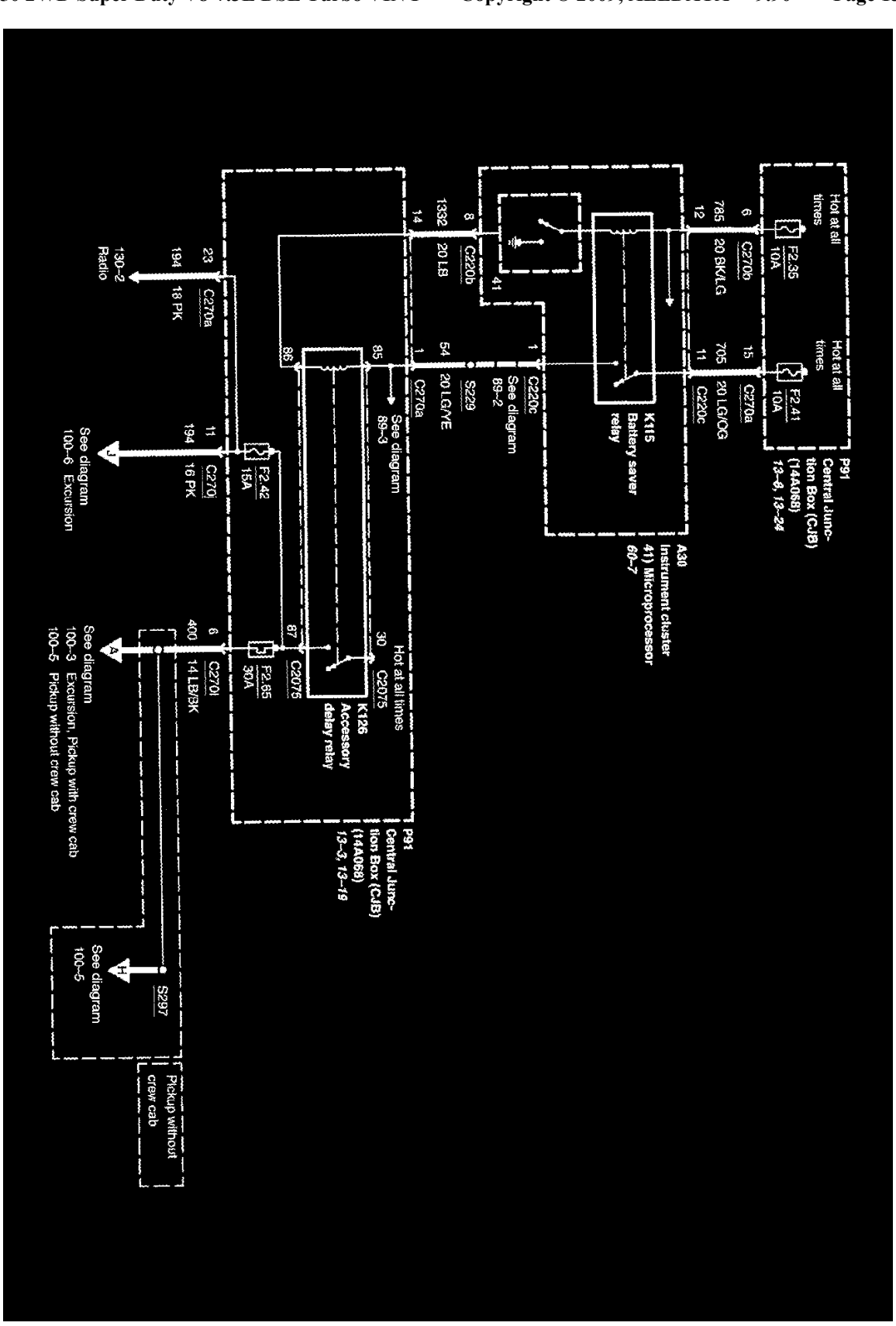


Diagram 100-2

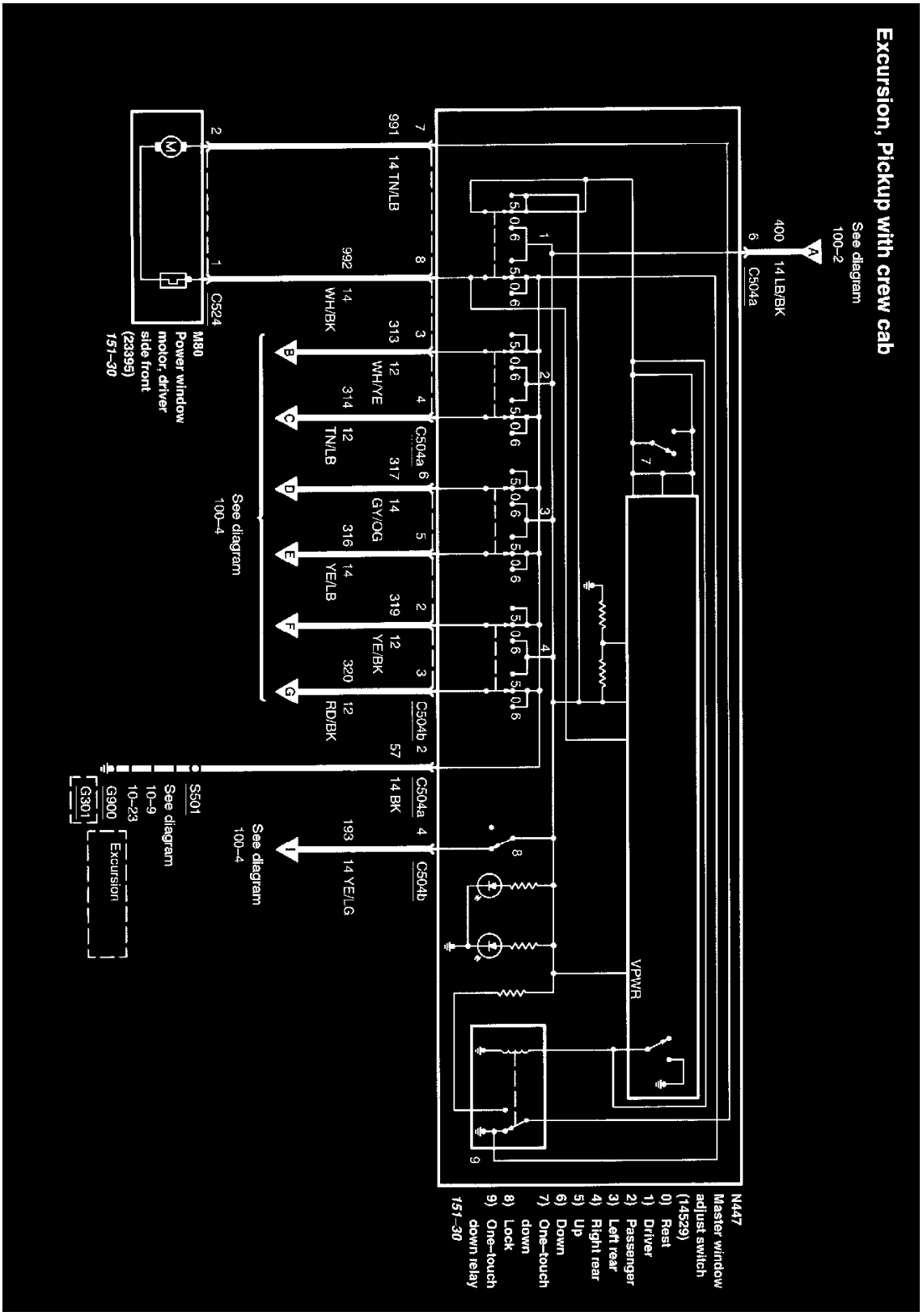


Diagram 100-3

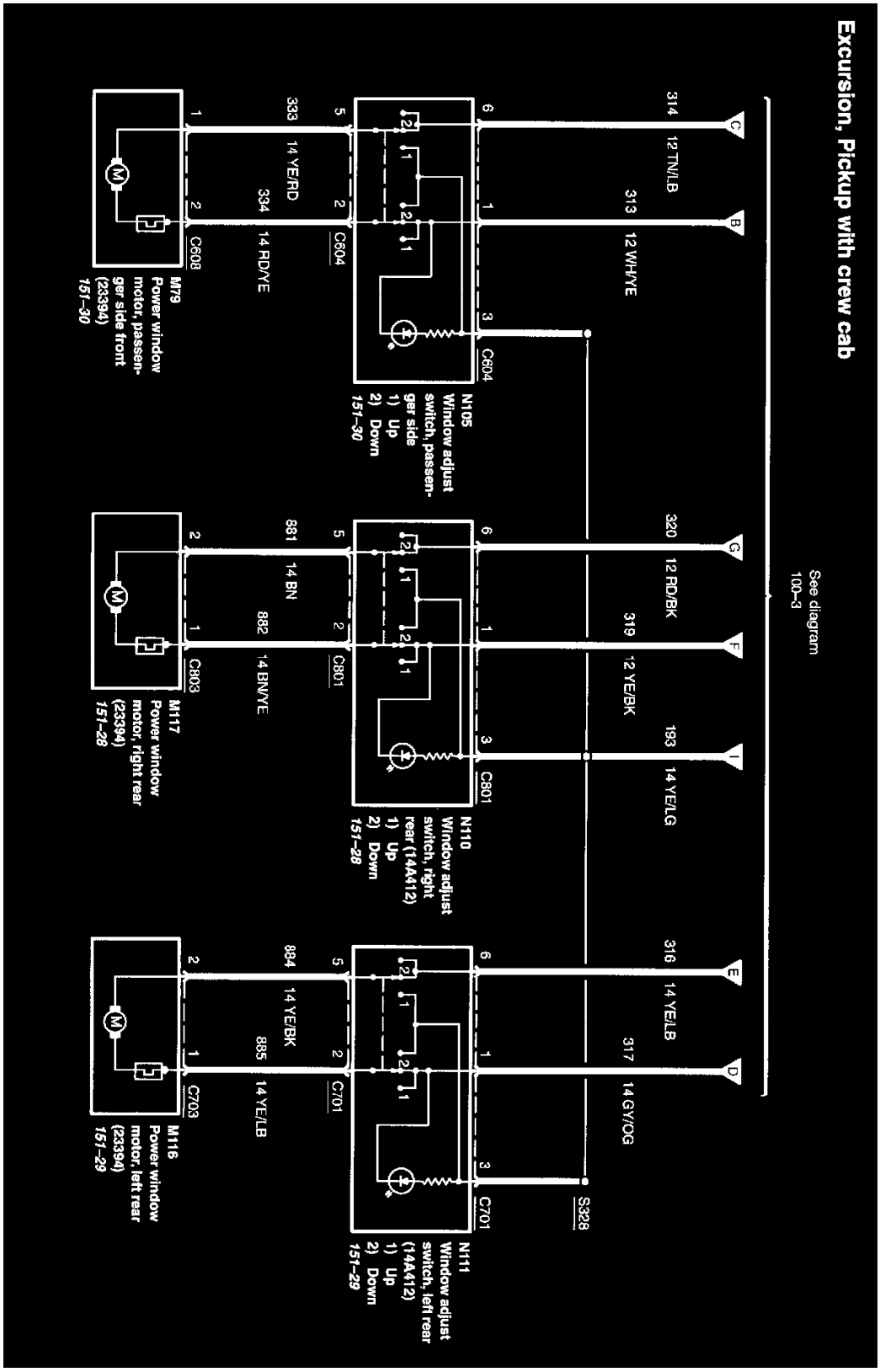


Diagram 100-4

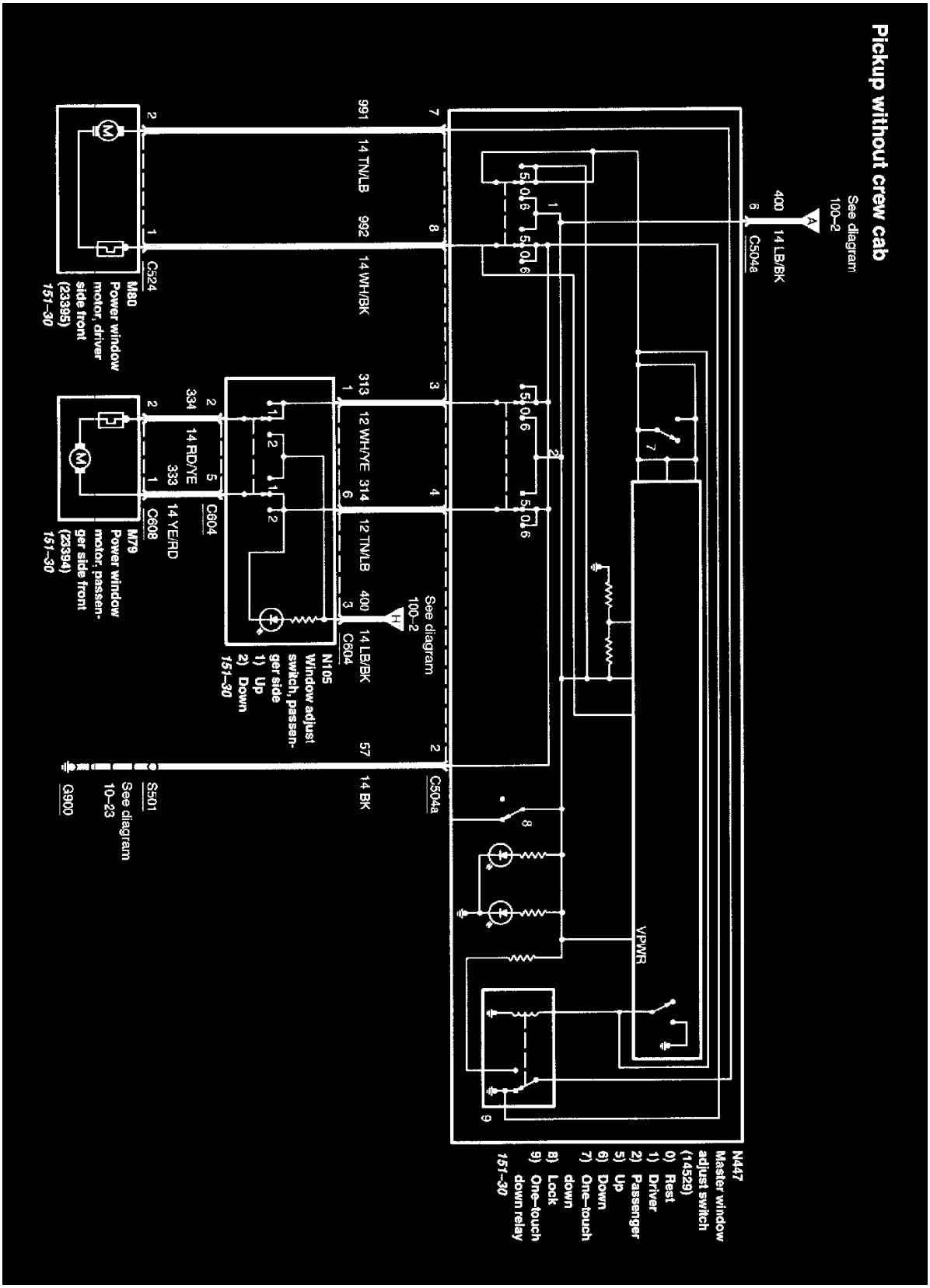


Diagram 100-5

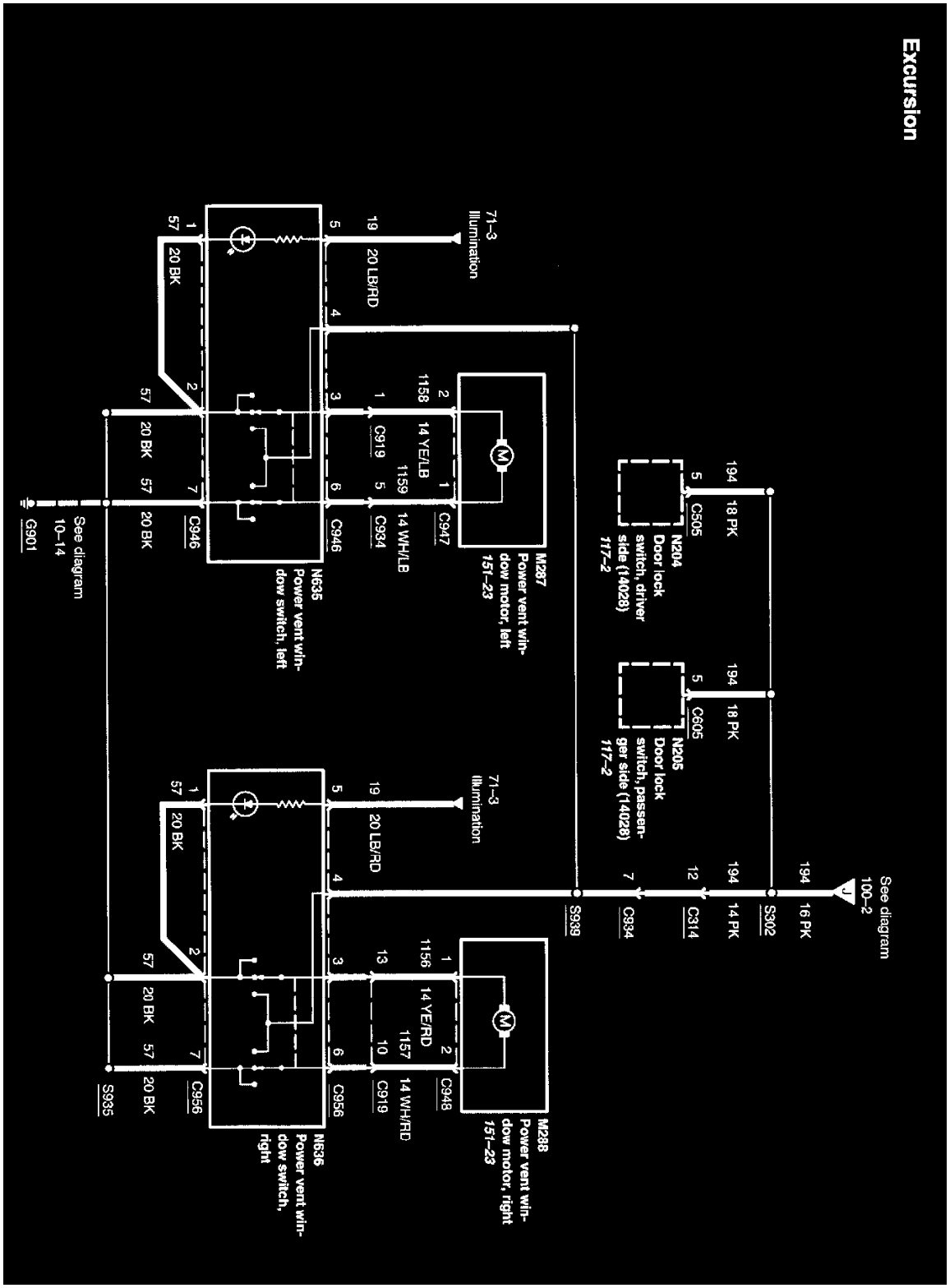


Diagram 100-6

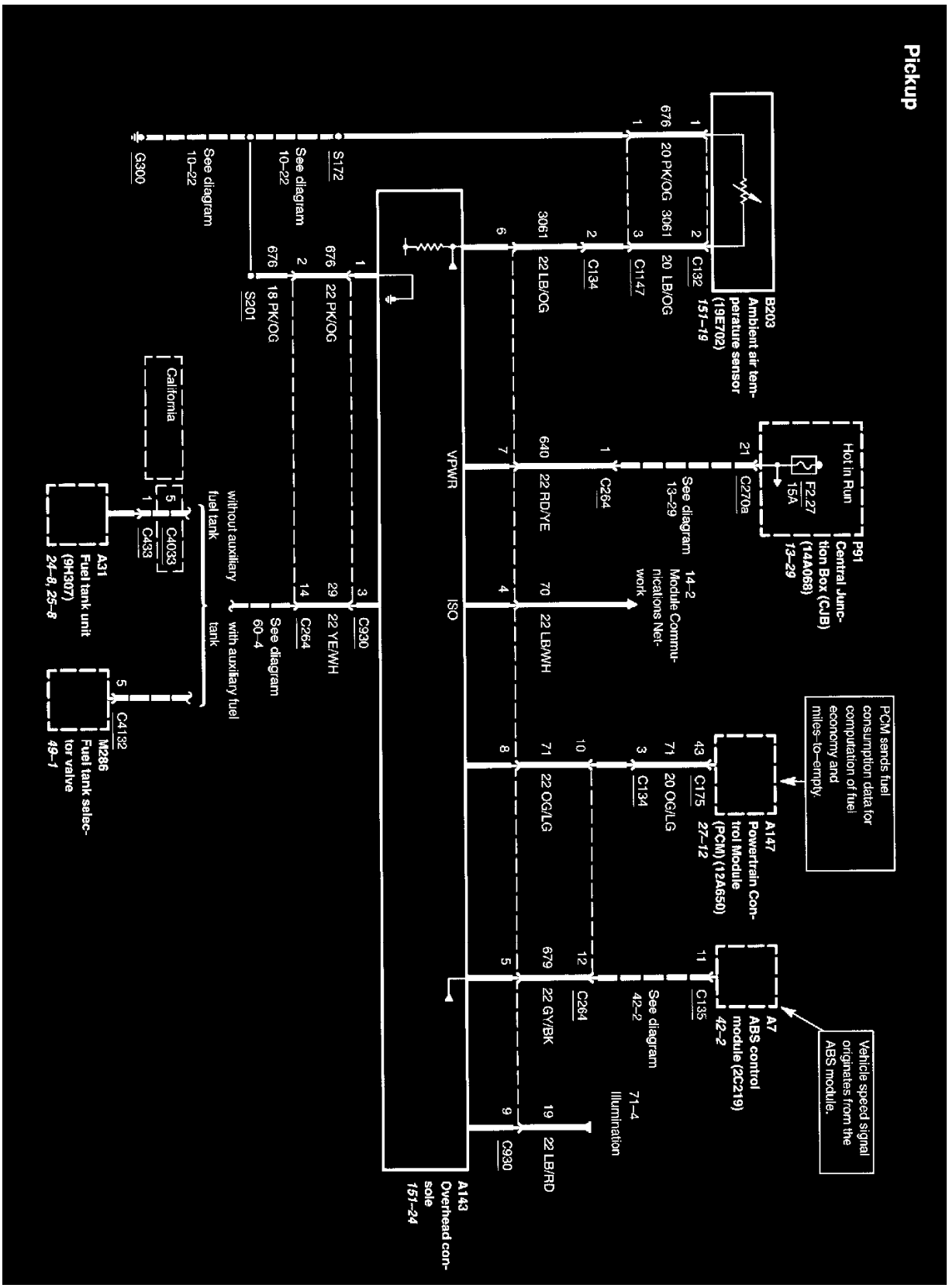


Diagram 102-2

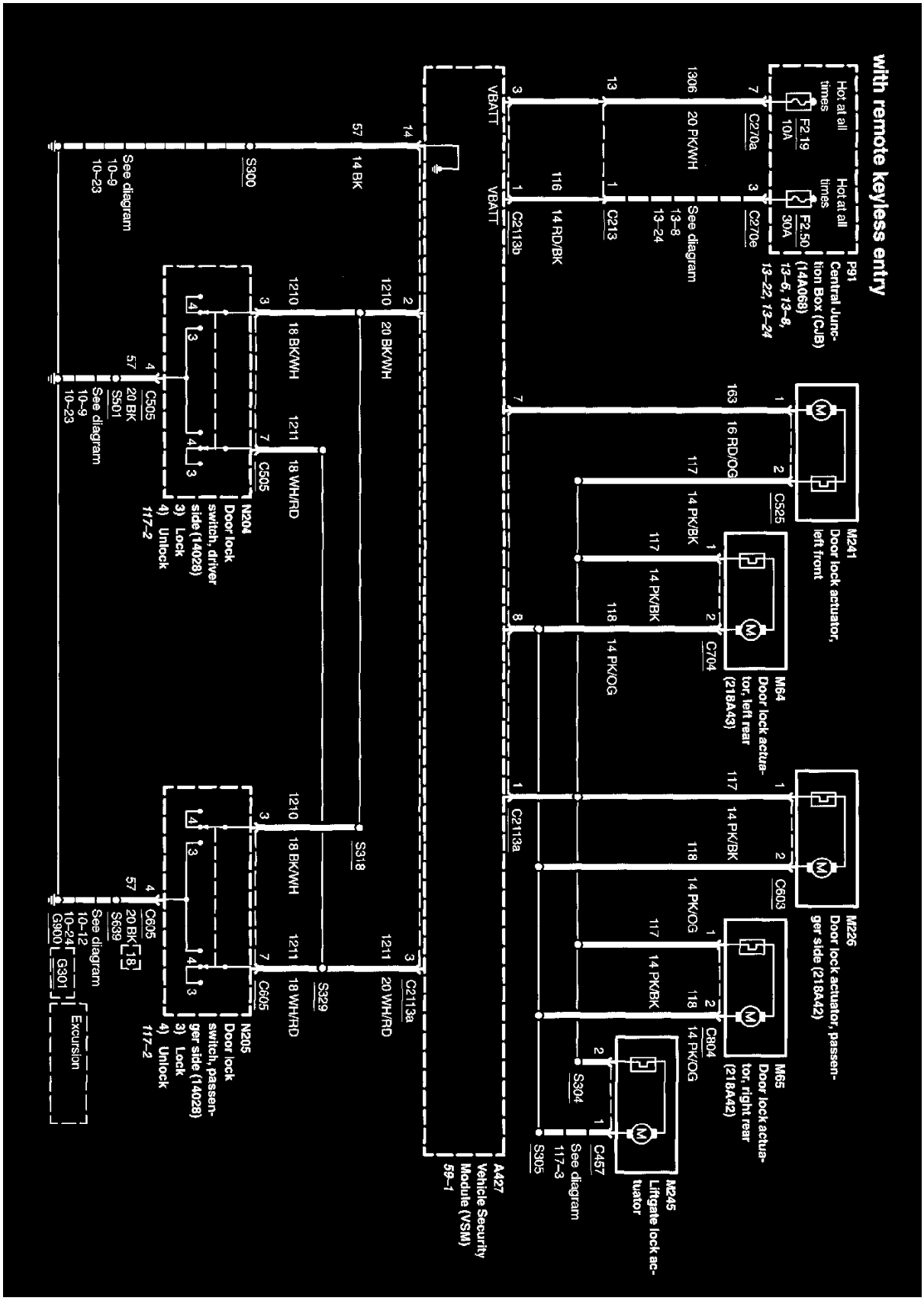


Diagram 110-2

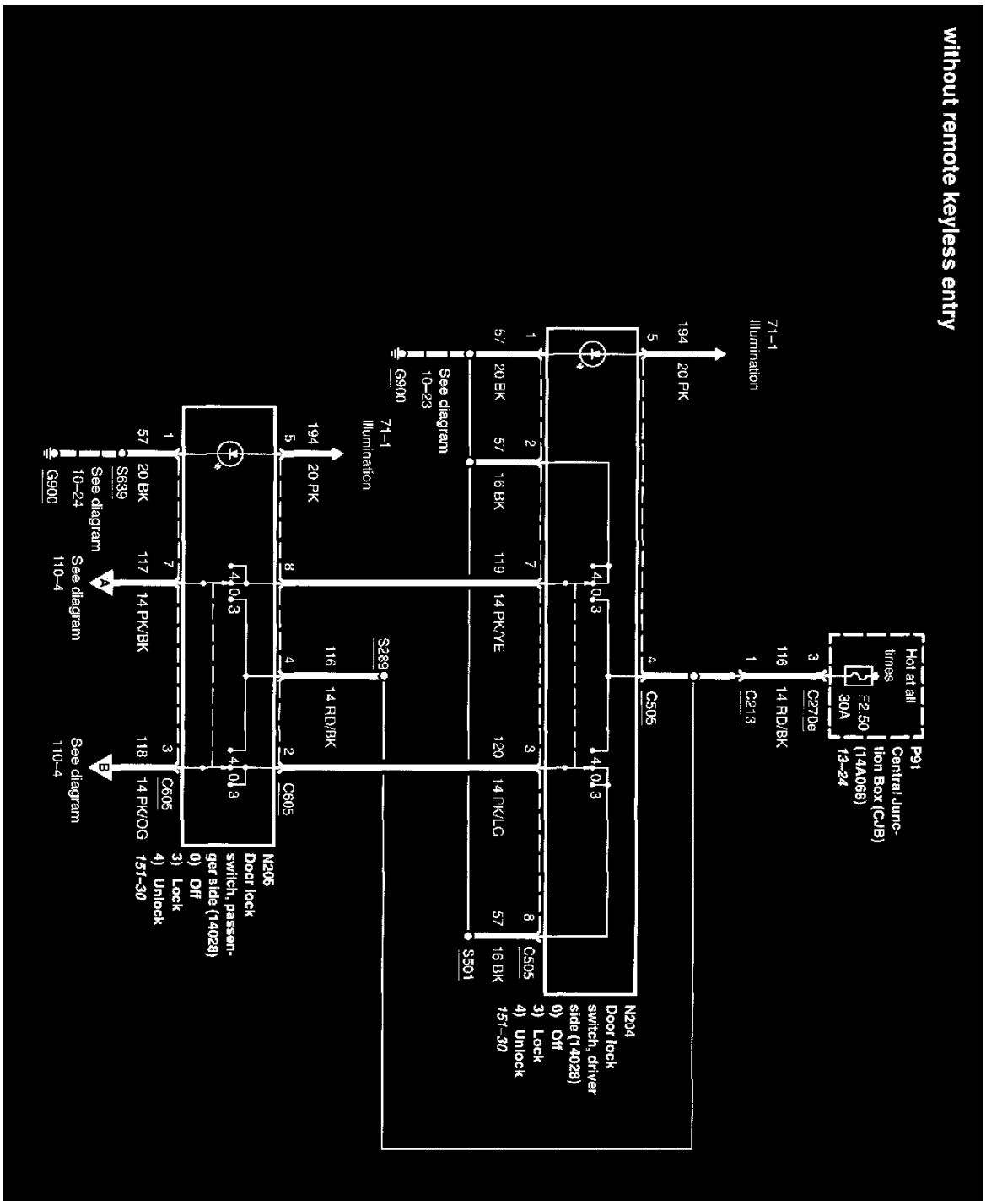


Diagram 110-3

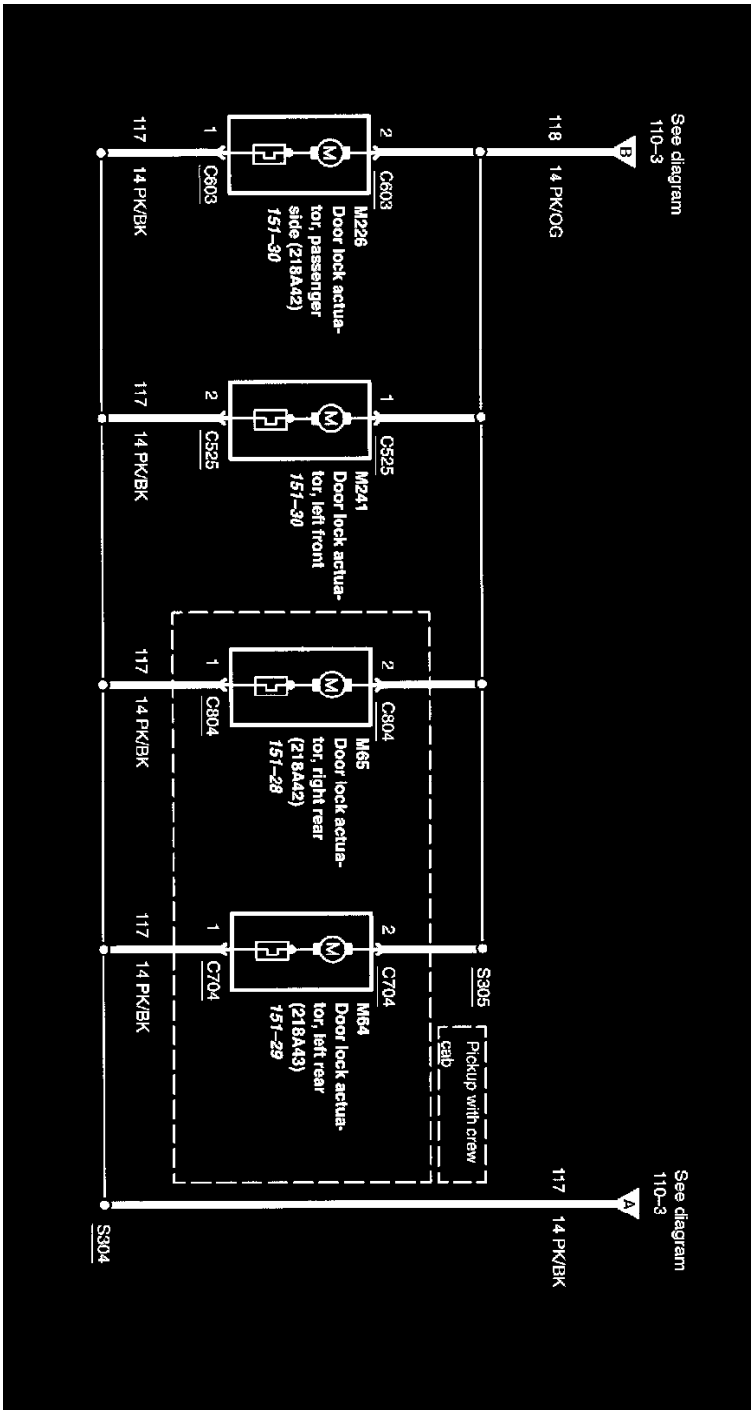


Diagram 110-4

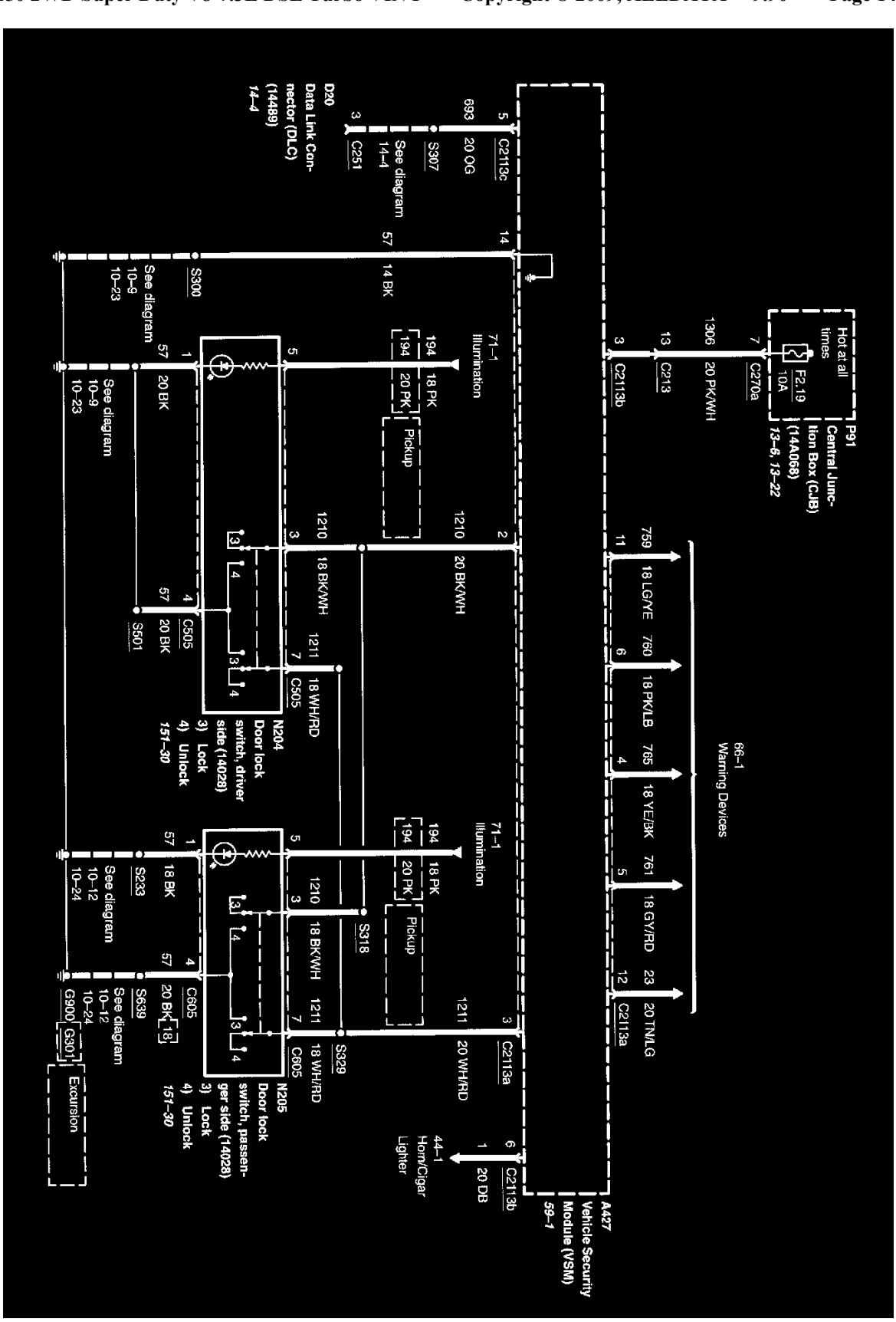


Diagram 117-2

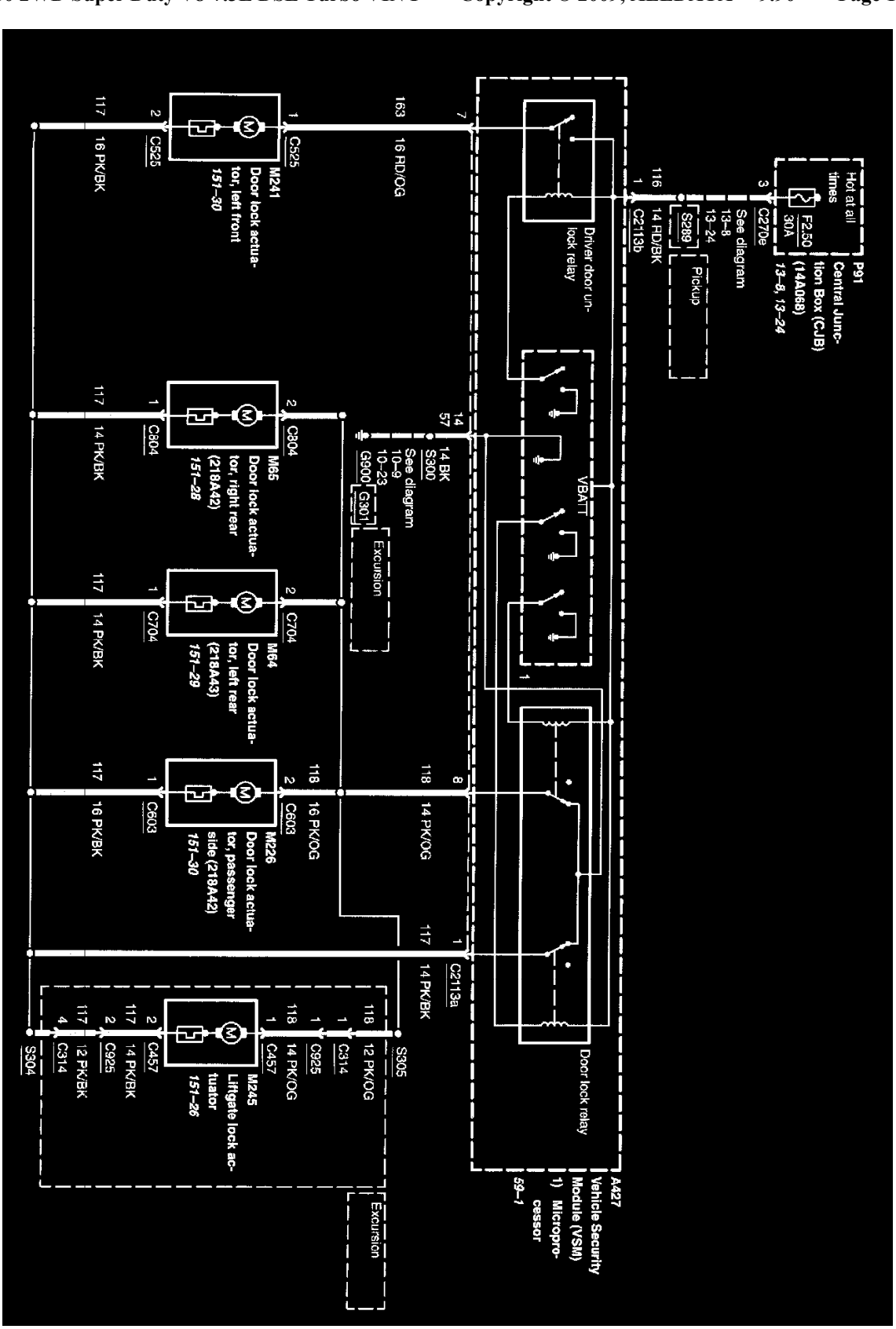


Diagram 117-3

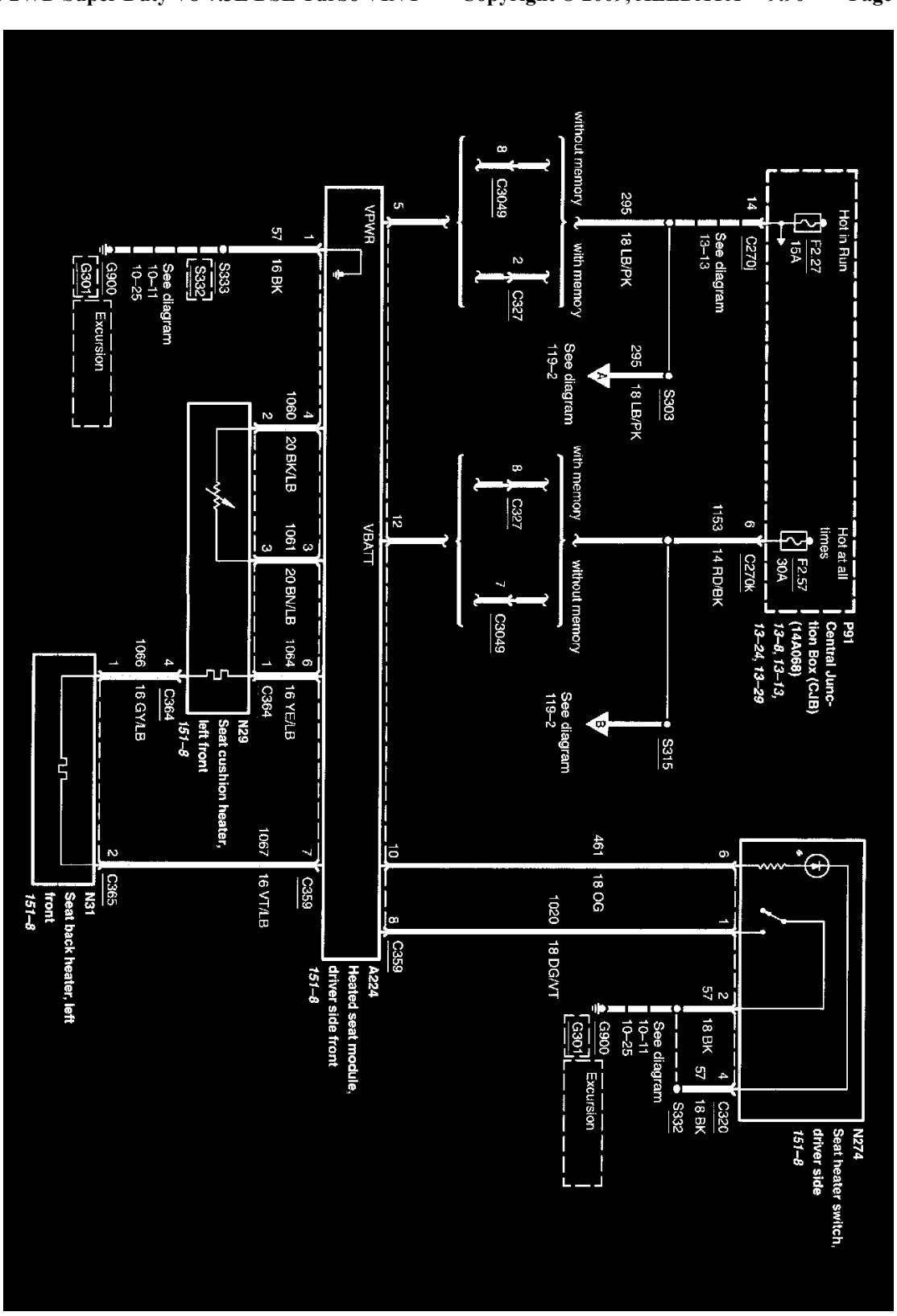


Diagram 119-1

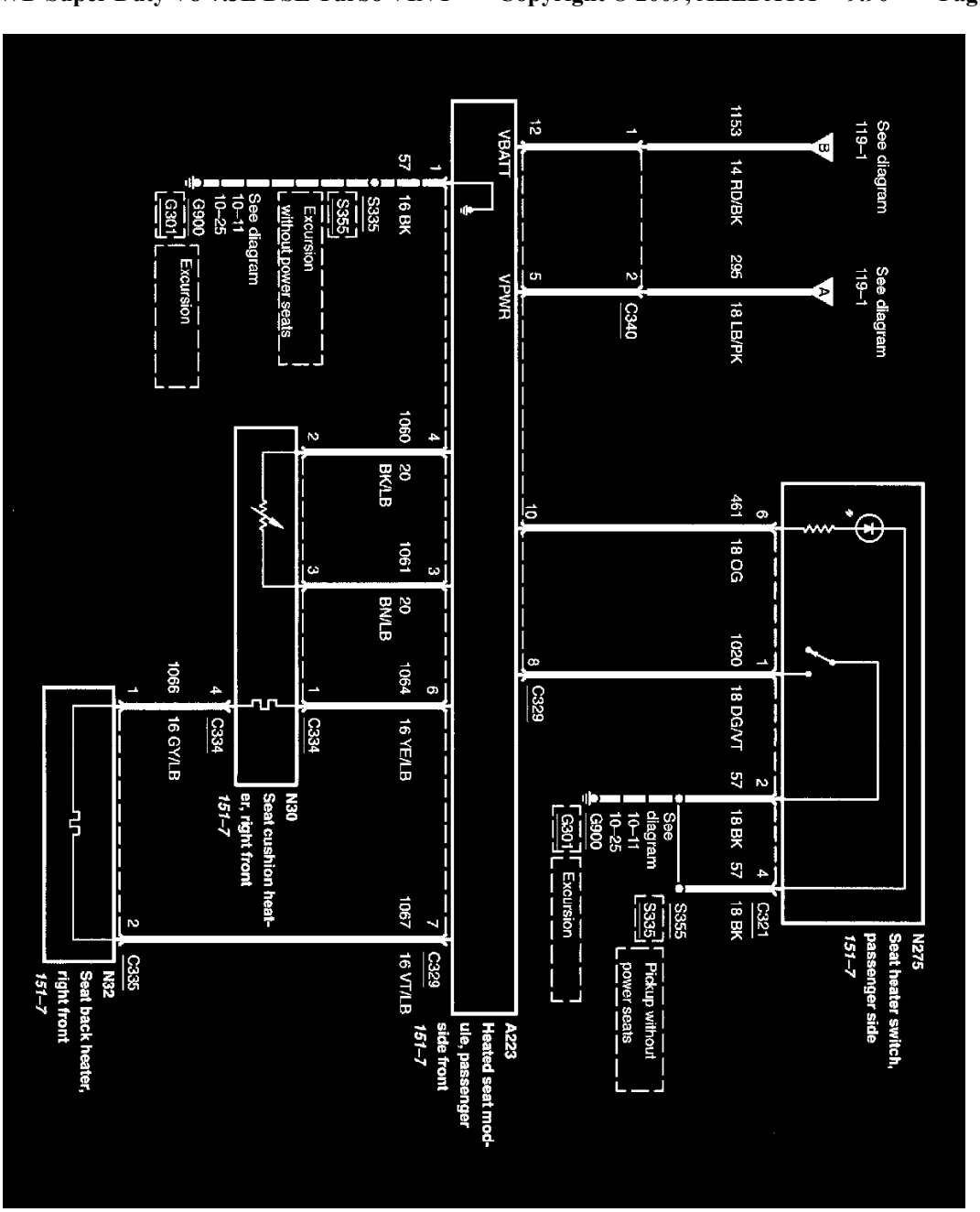


Diagram 119-2

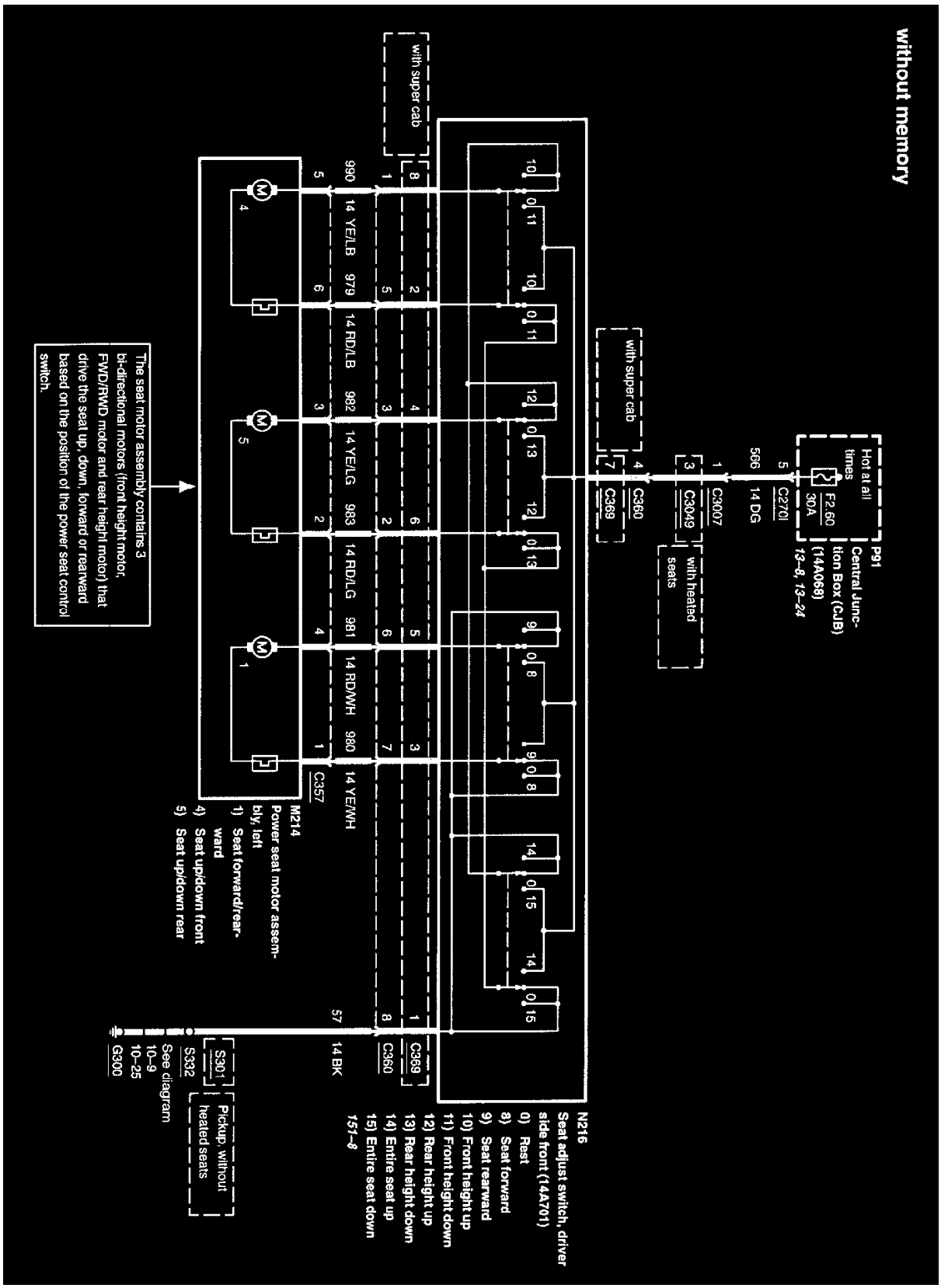


Diagram 120-1

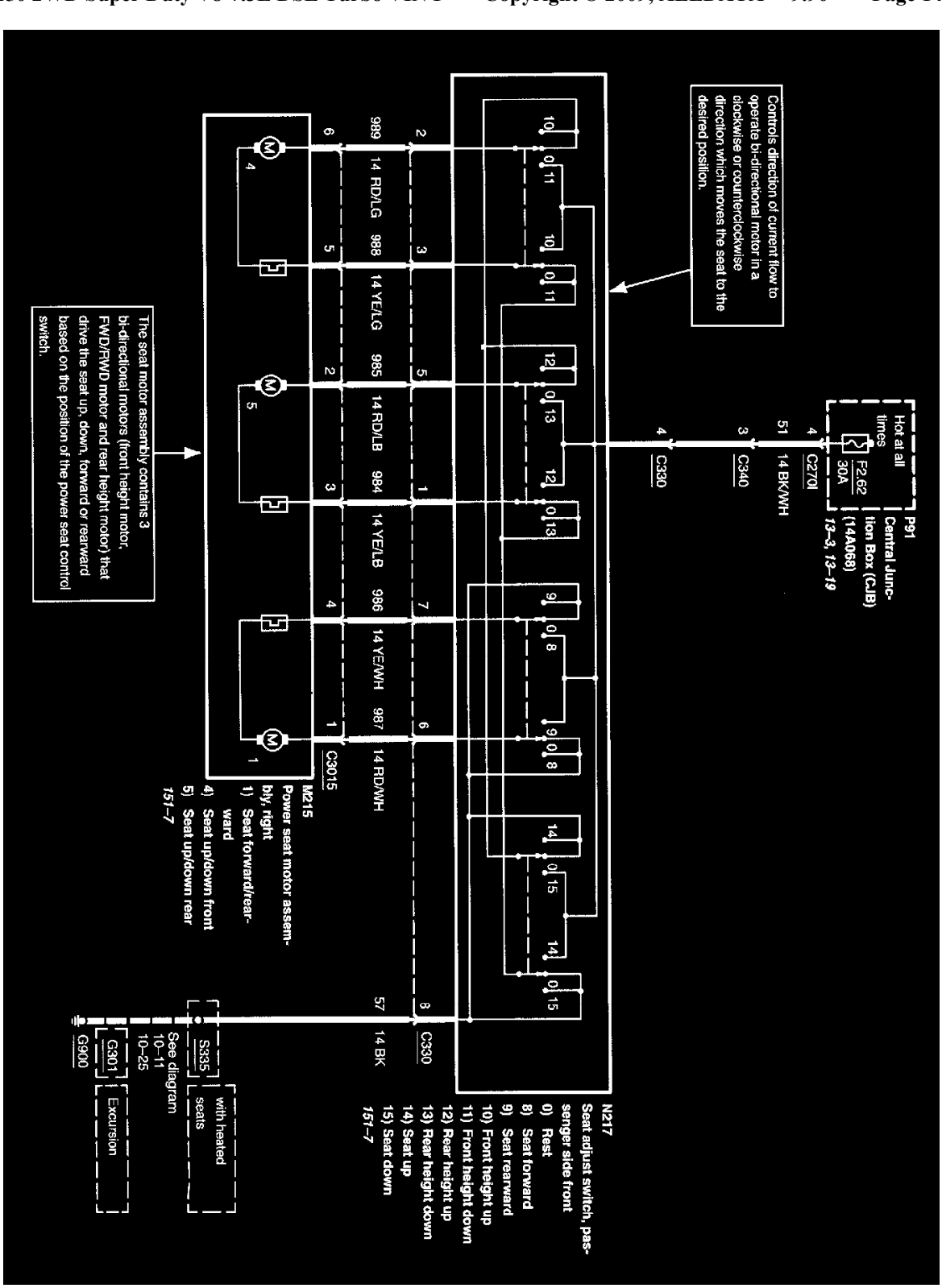


Diagram 120-2

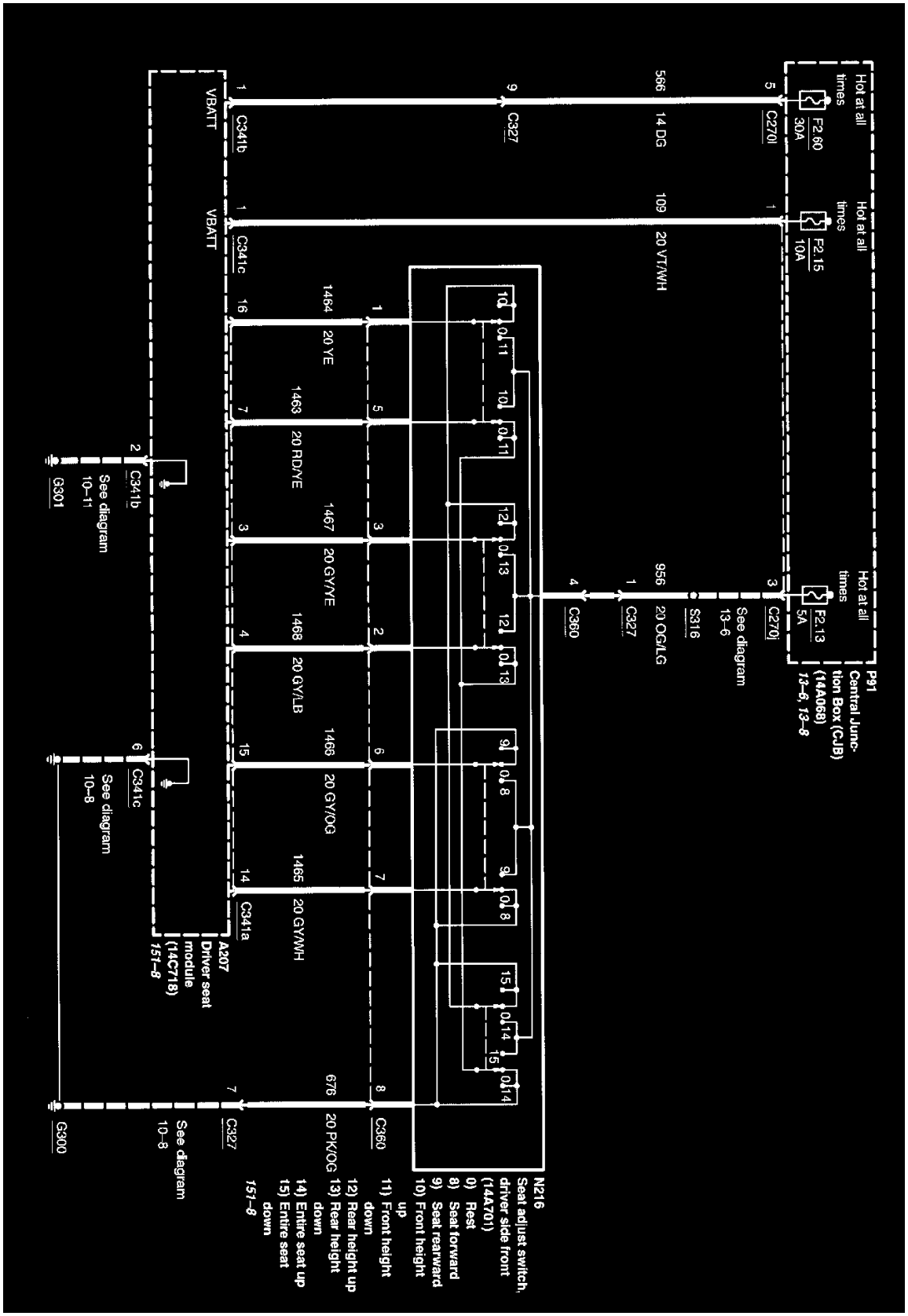


Diagram 123-2

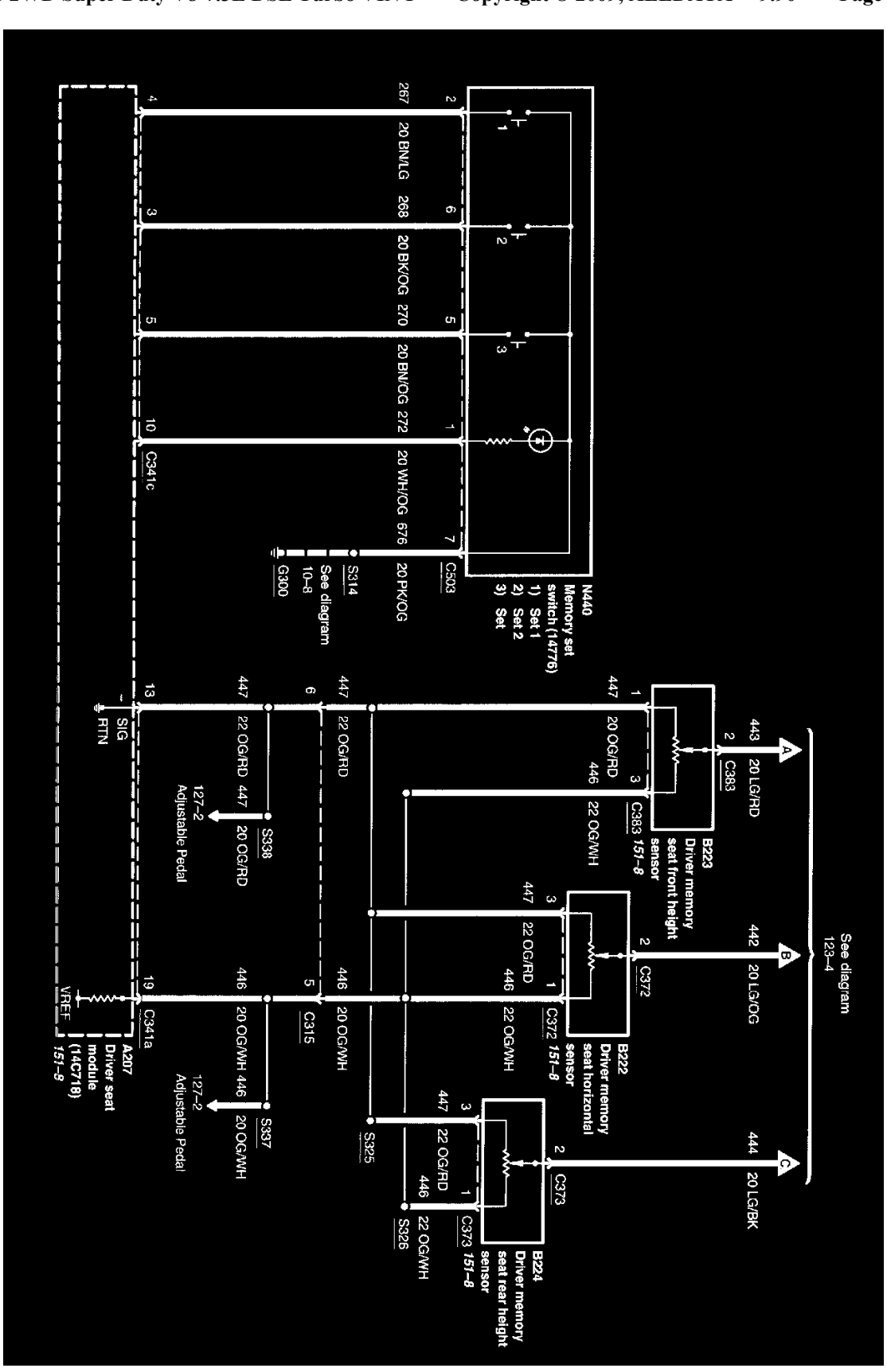


Diagram 123-3

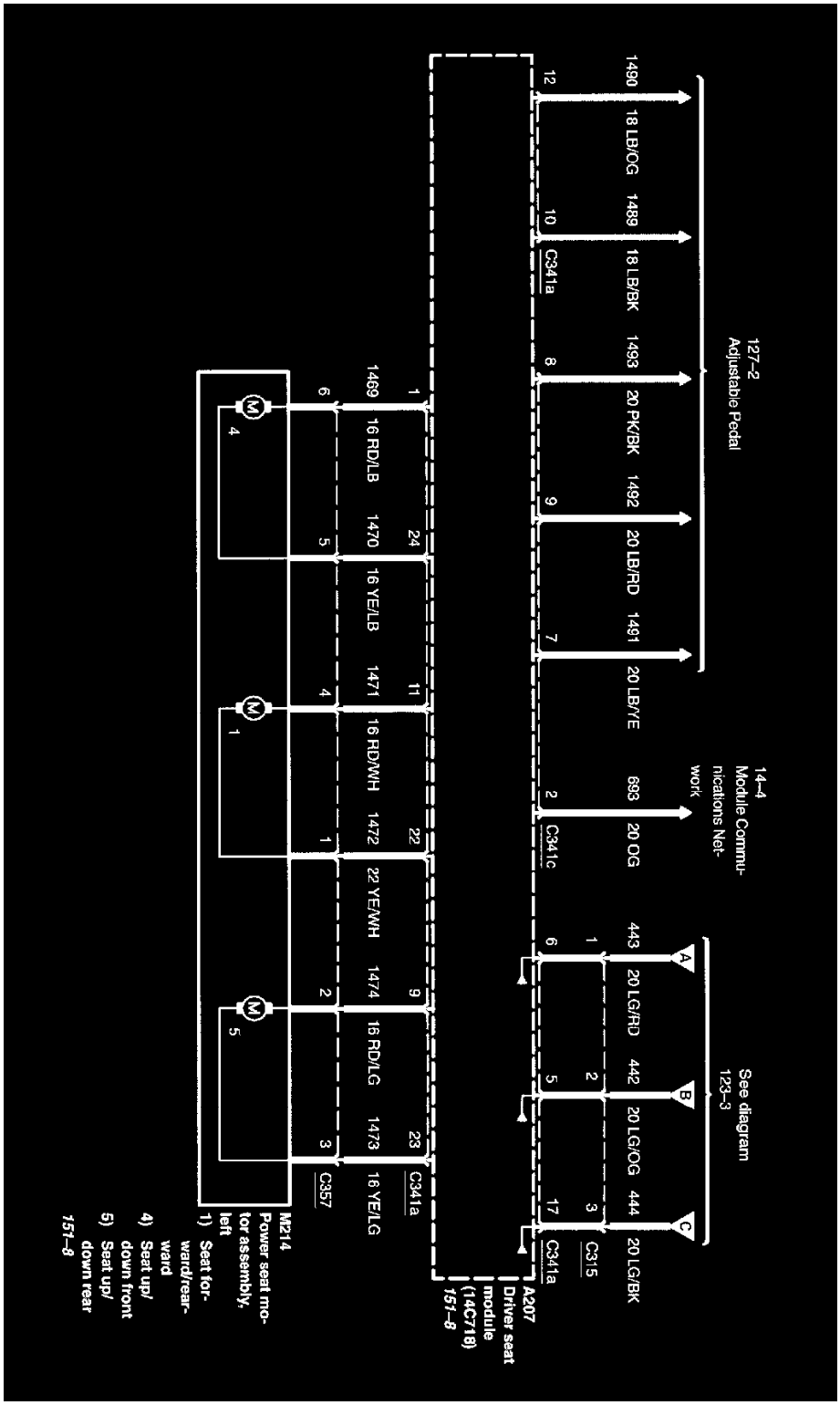


Diagram 123-4

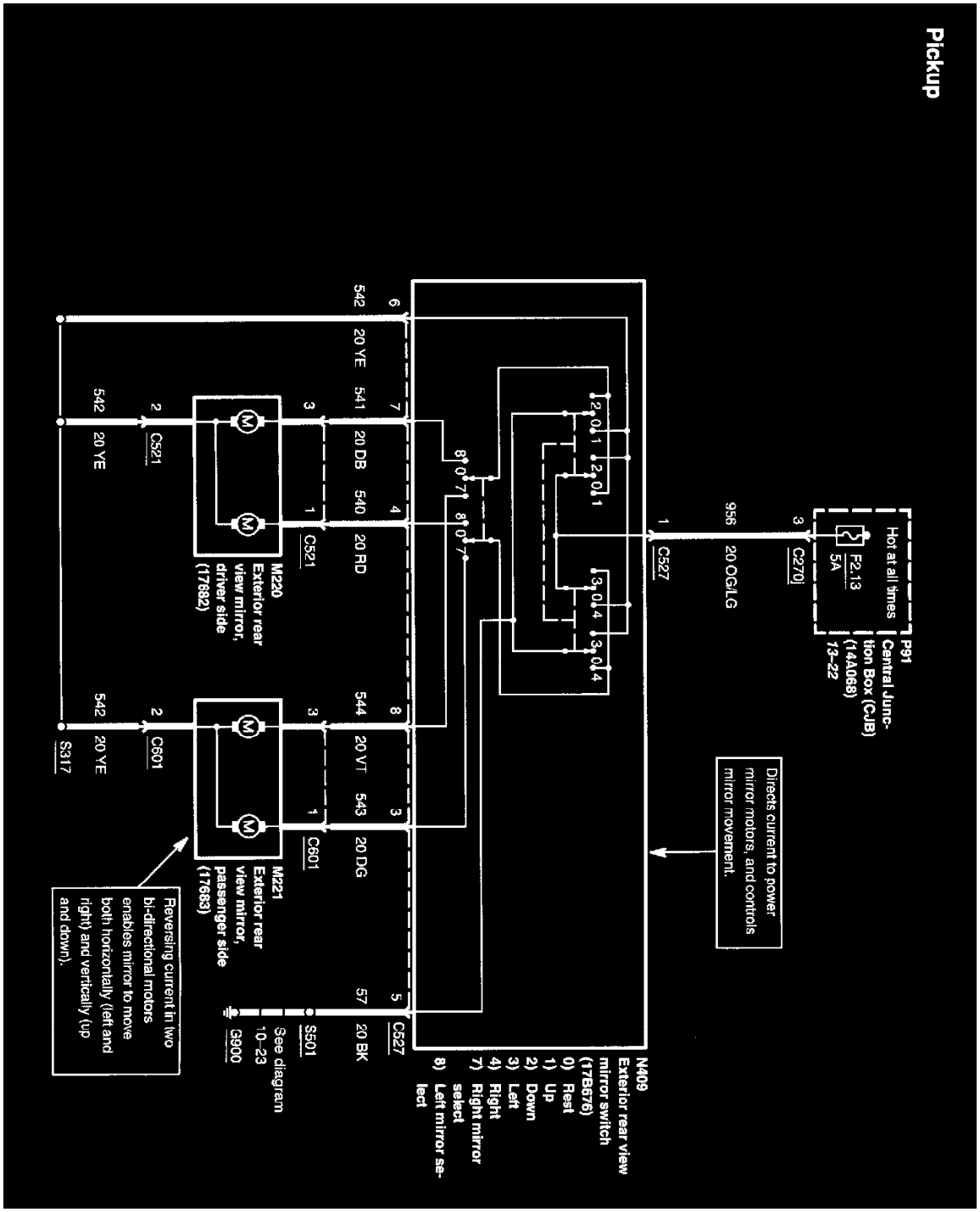


Diagram 124-2

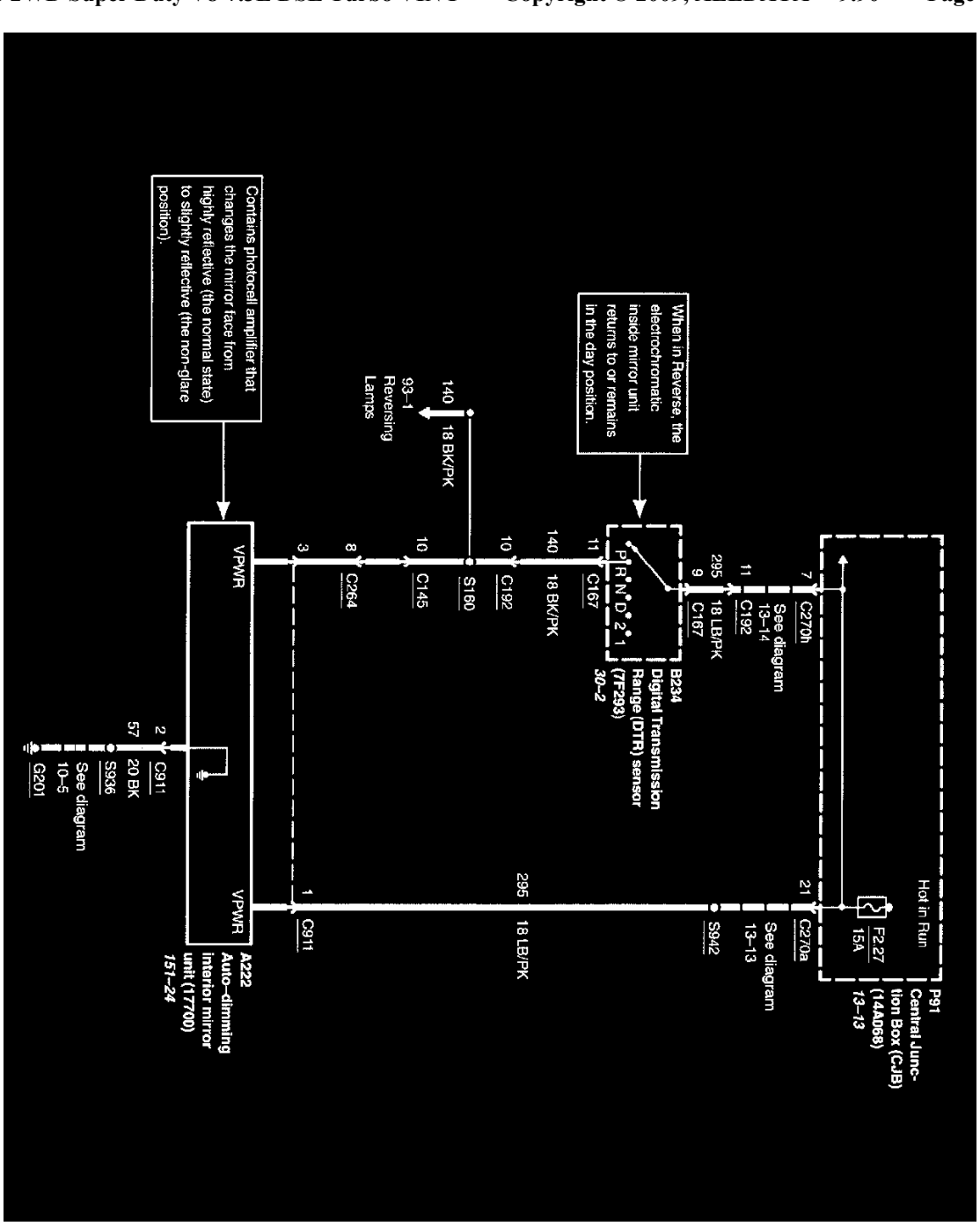


Diagram 125-1

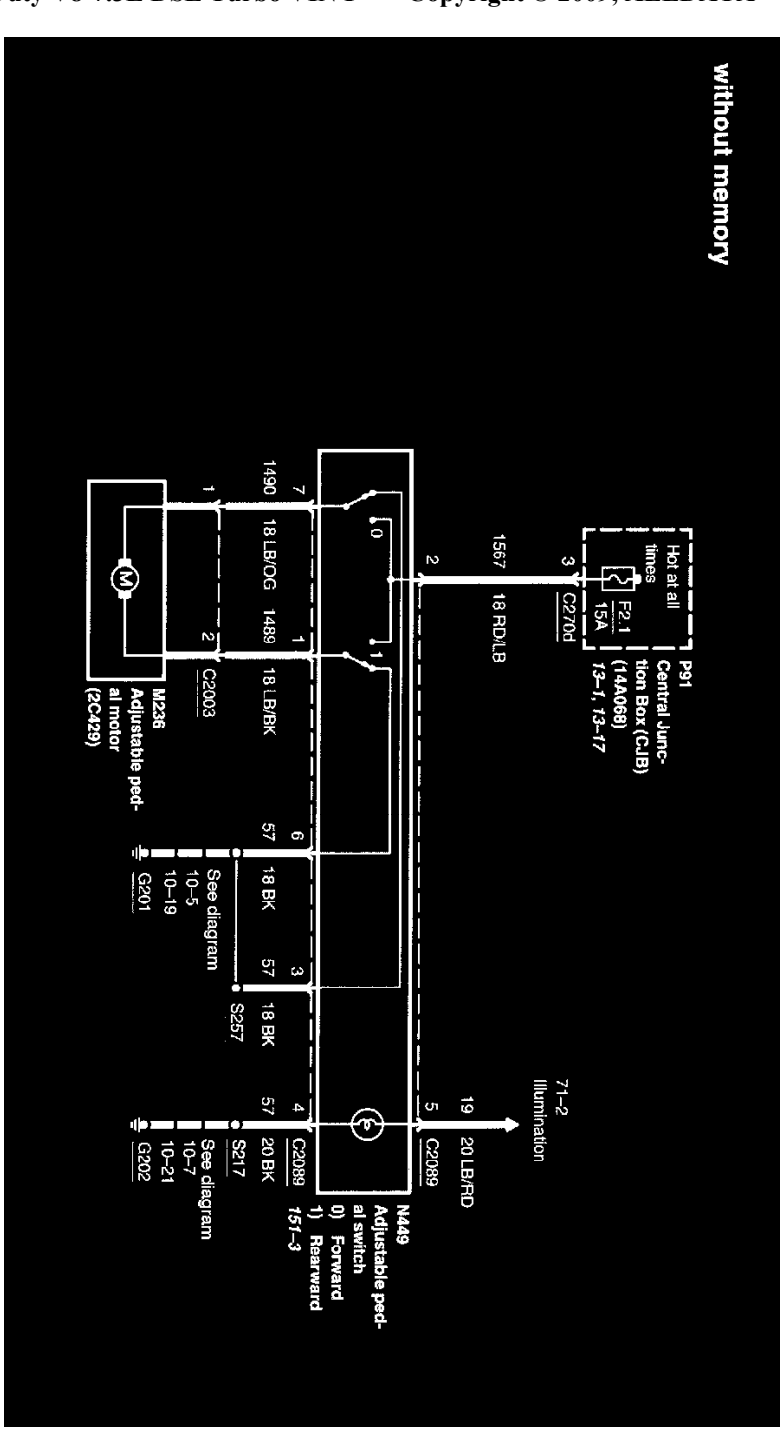


Diagram 127-1

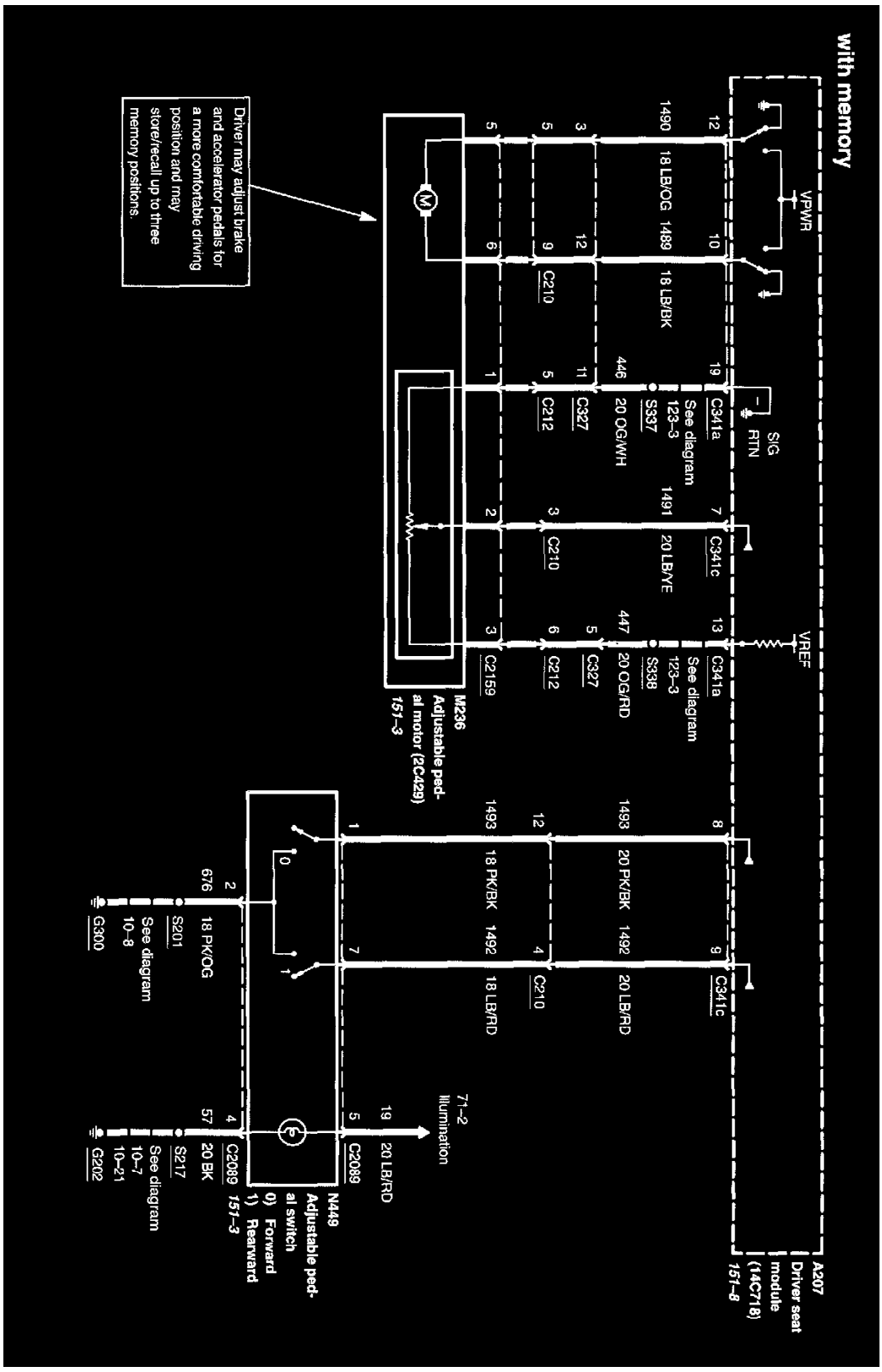


Diagram 127-2

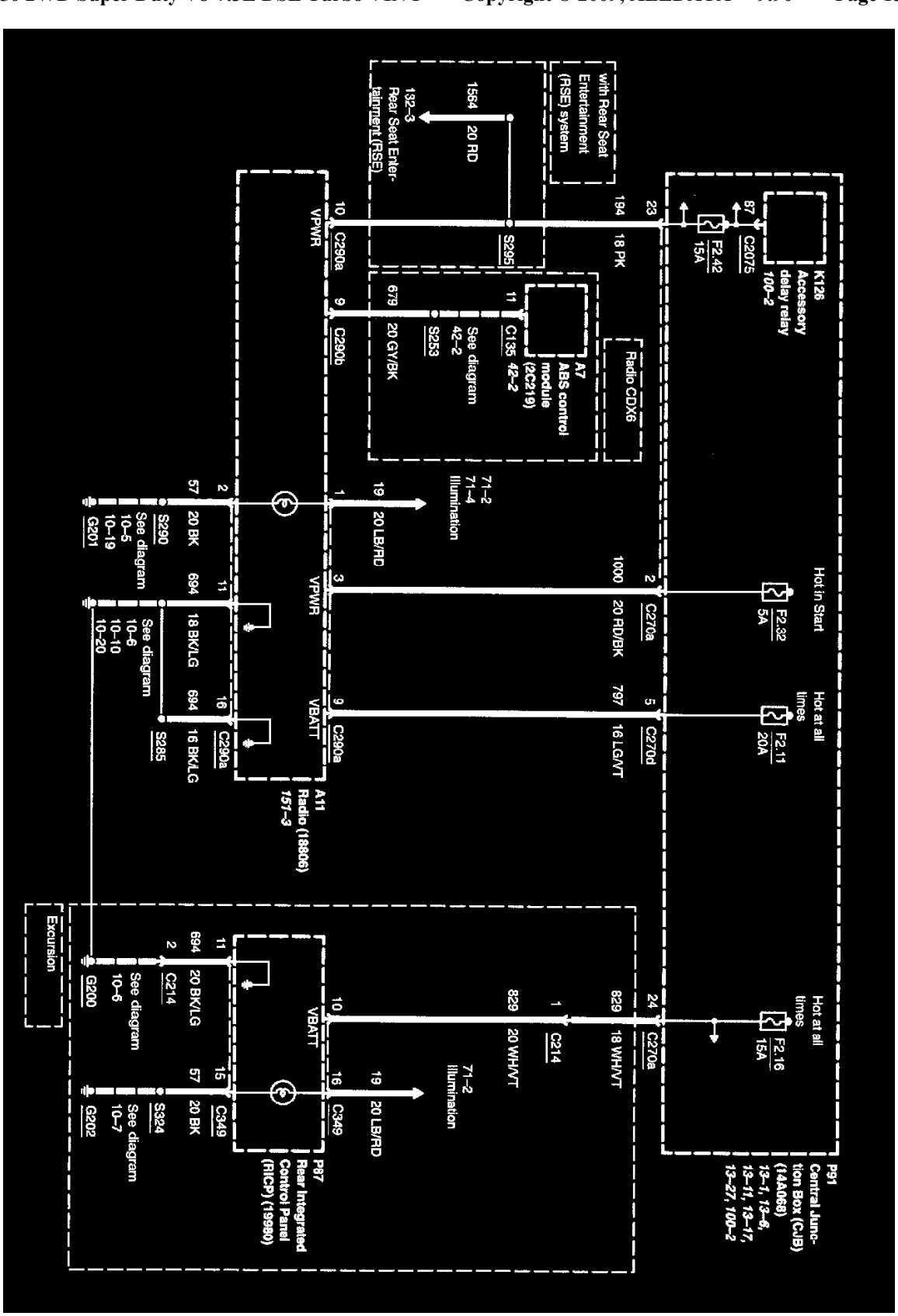


Diagram 130-2

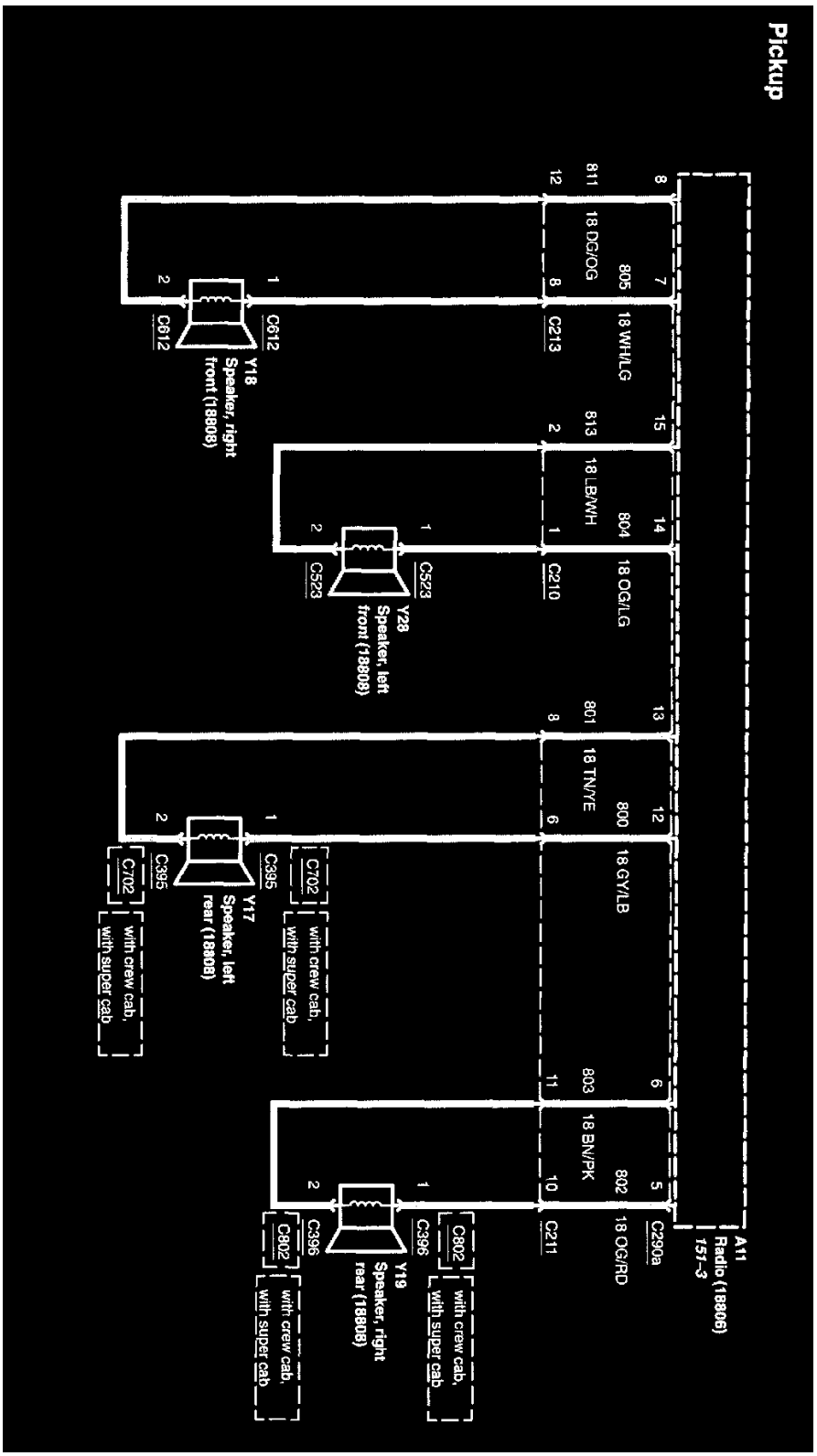


Diagram 130-5

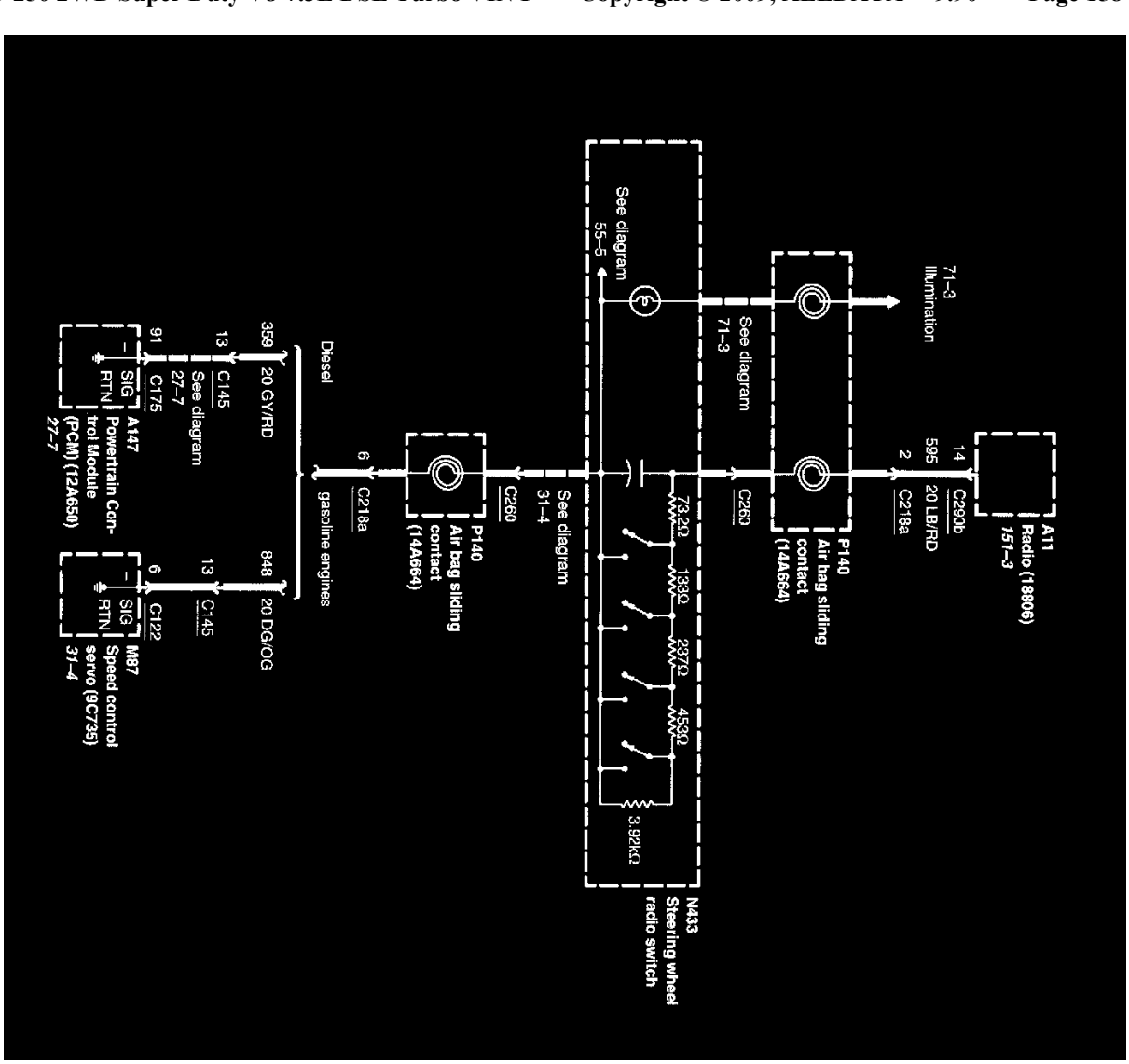


Diagram 130-6

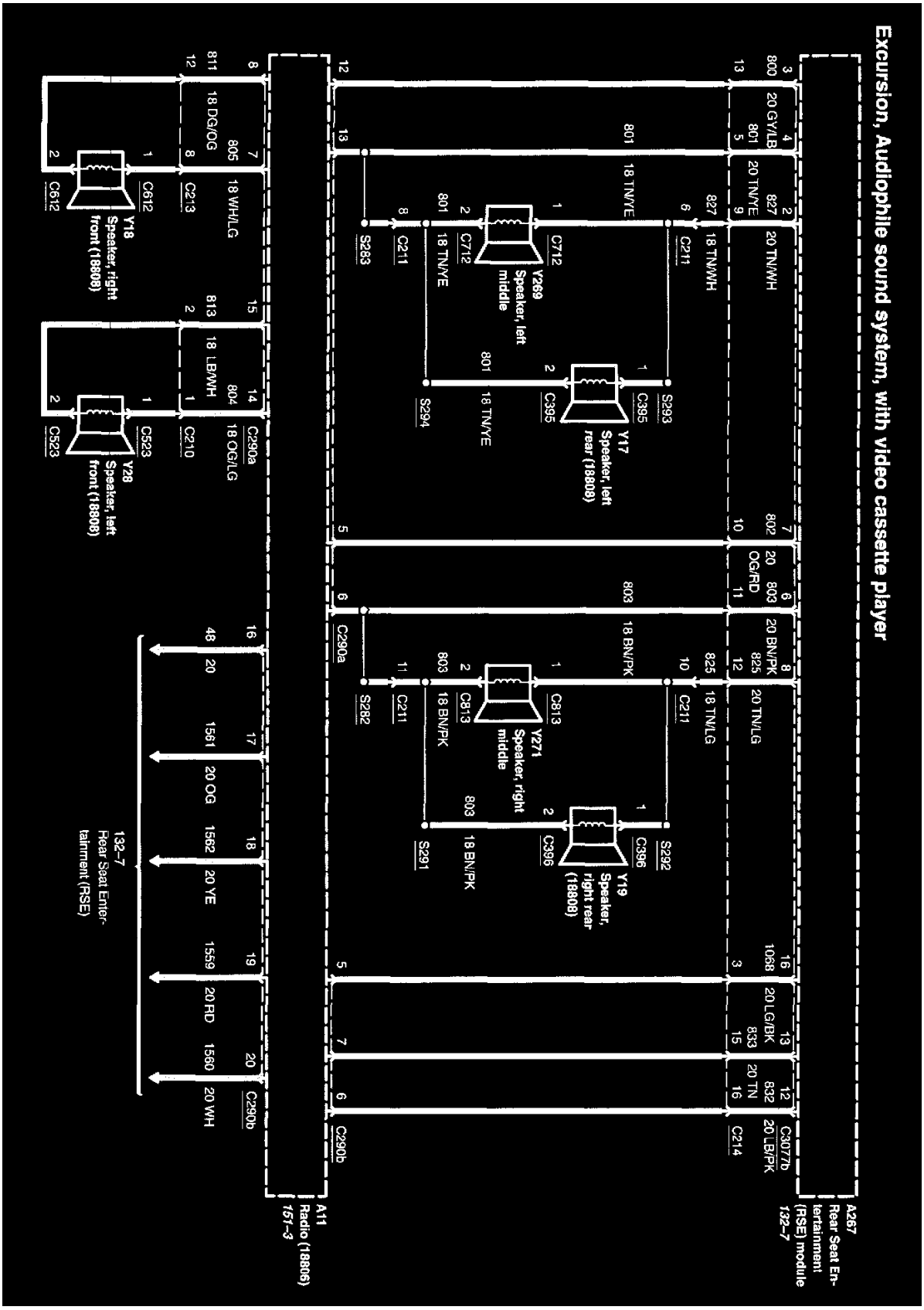


Diagram 130-7

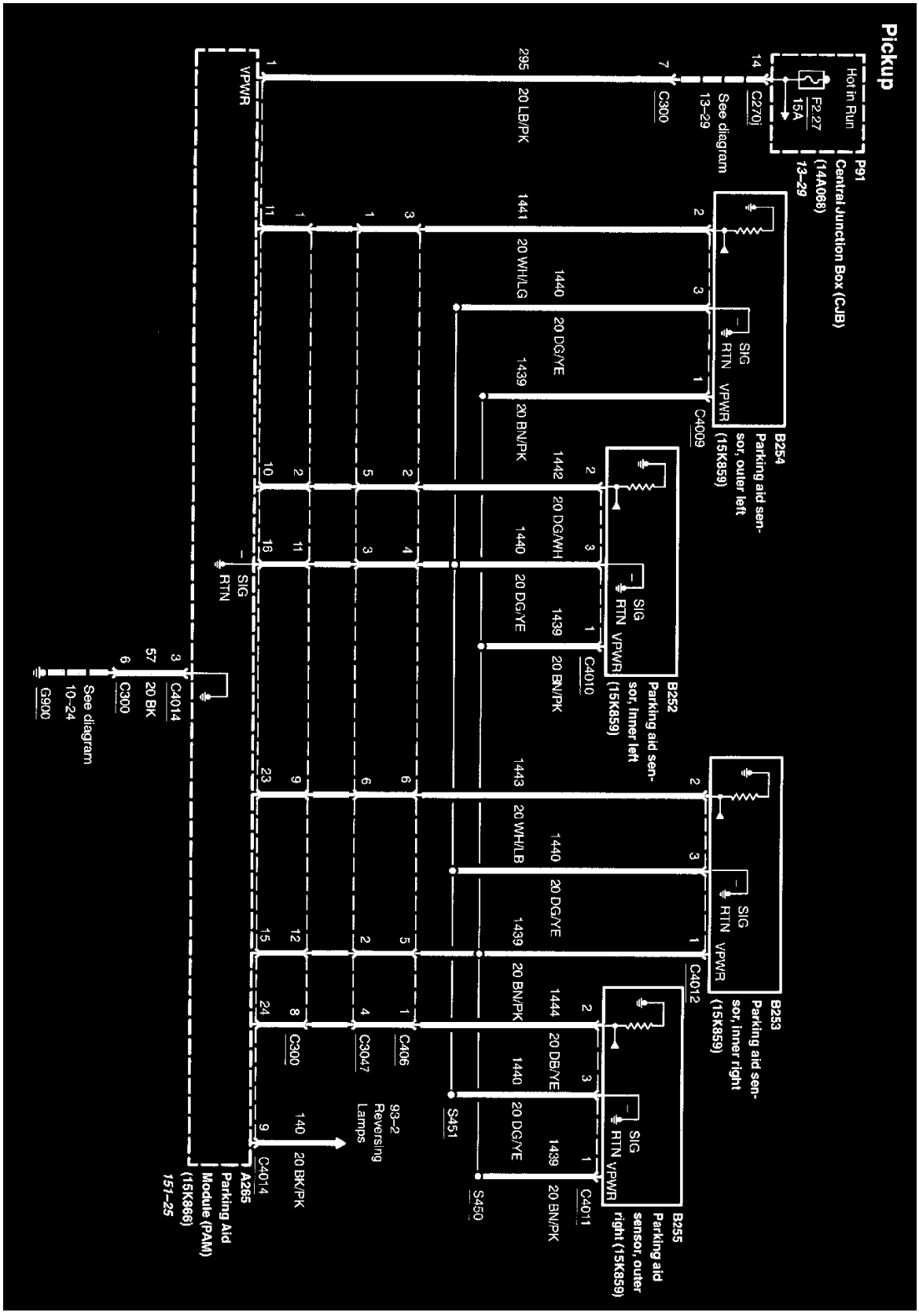


Diagram 131-3

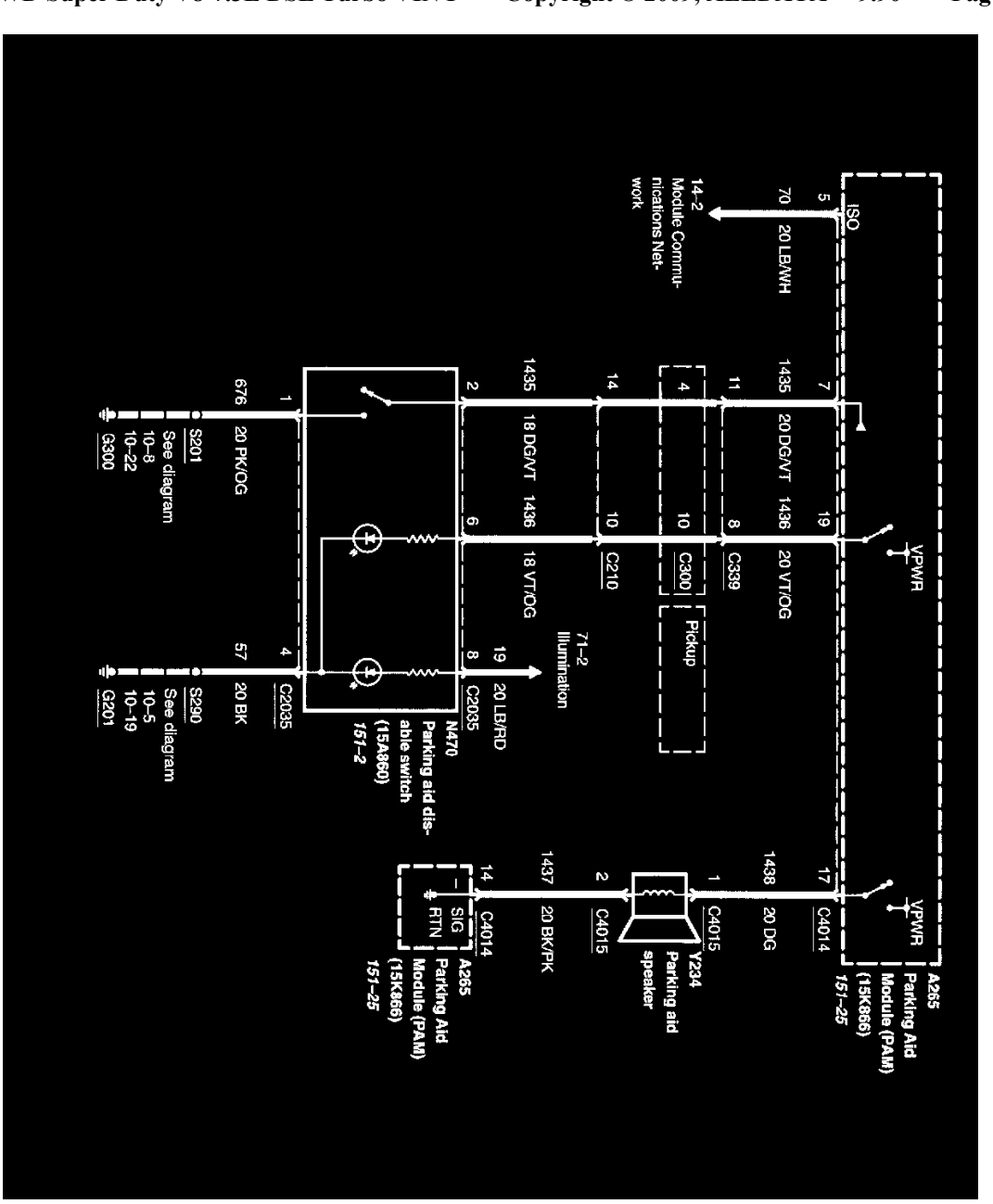


Diagram 131-4