WIRING DIAGRAMS

CONTENTS

HOW TO USE THIS GROUP

The purpose of this group is to show the electrical circuits in a clear, simple fashion and to make troubleshooting easier. Components that work together are shown together. All electrical components used in a specific system are shown on one diagram. The feed for a system is shown at the top of the page. All wires, connectors, splices, and components are shown in the flow of current to the bottom of the page. Wiring which is not part of the circuit represented is referenced to another page/section, where the complete circuit is shown. In addition, all switches, components, and modules are shown in the **at rest position with the doors closed and the key removed from the ignition.**

If a component is part of several different circuits, it is shown in the diagram for each. For example, the headlamp switch is the main part of the exterior lighting, but it also affects the interior lighting and the chime warning system.

It is important to realize that no attempt is made on the diagrams to represent components and wiring as they appear on the vehicle. For example, a short piece of wire is treated the same as a long one. In addition, switches and other components are shown as simply as possible, with regard to function only.

The wiring diagram show circuits for all wheelbases. If there is a difference in systems or components between wheel-bases, an identifier is placed next to the component.

SECTION IDENTIFICATION

Sections in Group 8W are organized by sub-systems. The sections contain circuit operation descriptions, helpful information, and system diagrams. The intention is to organize information by system, consistently from year to year.

CONNECTOR LOCATIONS

Section 8W-90 contains Connector Location illustrations. The illustrations contain the connector number and component identification. Connector Location charts in Section 8W-90 reference the illustration number for components and connectors.

Section 8W-80 shows each connector and the circuits involved with that connector. The connectors are identified using the number on the Diagram pages.

SPLICE LOCATIONS

Splice Location charts in Section 8W-70 show the entire splice, and provide references to other sections the splice serves.

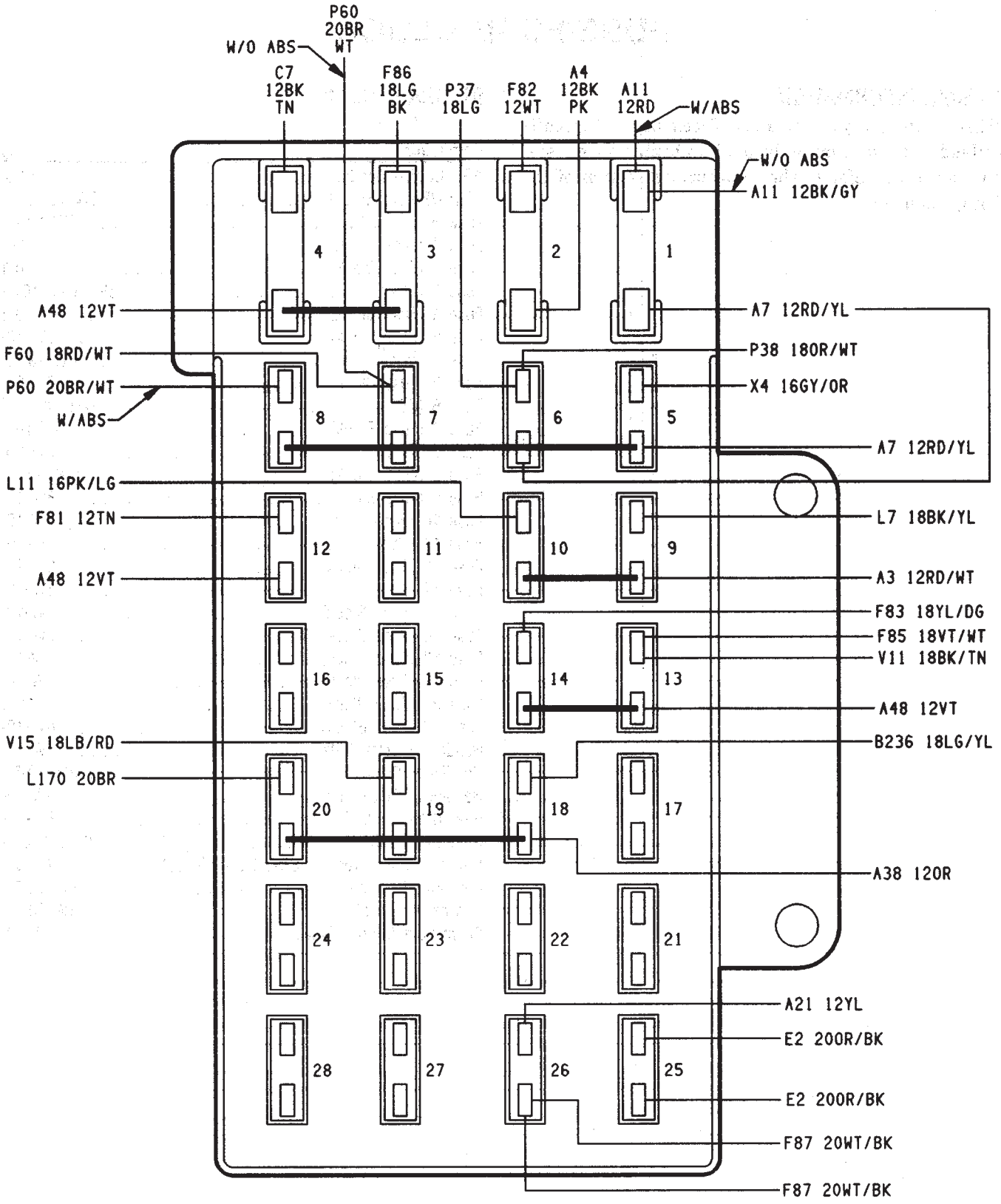
Section 8W-95 contains illustrations that show the general location of the splices in each harness. The illustrations show the splice by number, and provide a written location.

FUSE/FUSE BLOCK

GENERAL INFORMATION

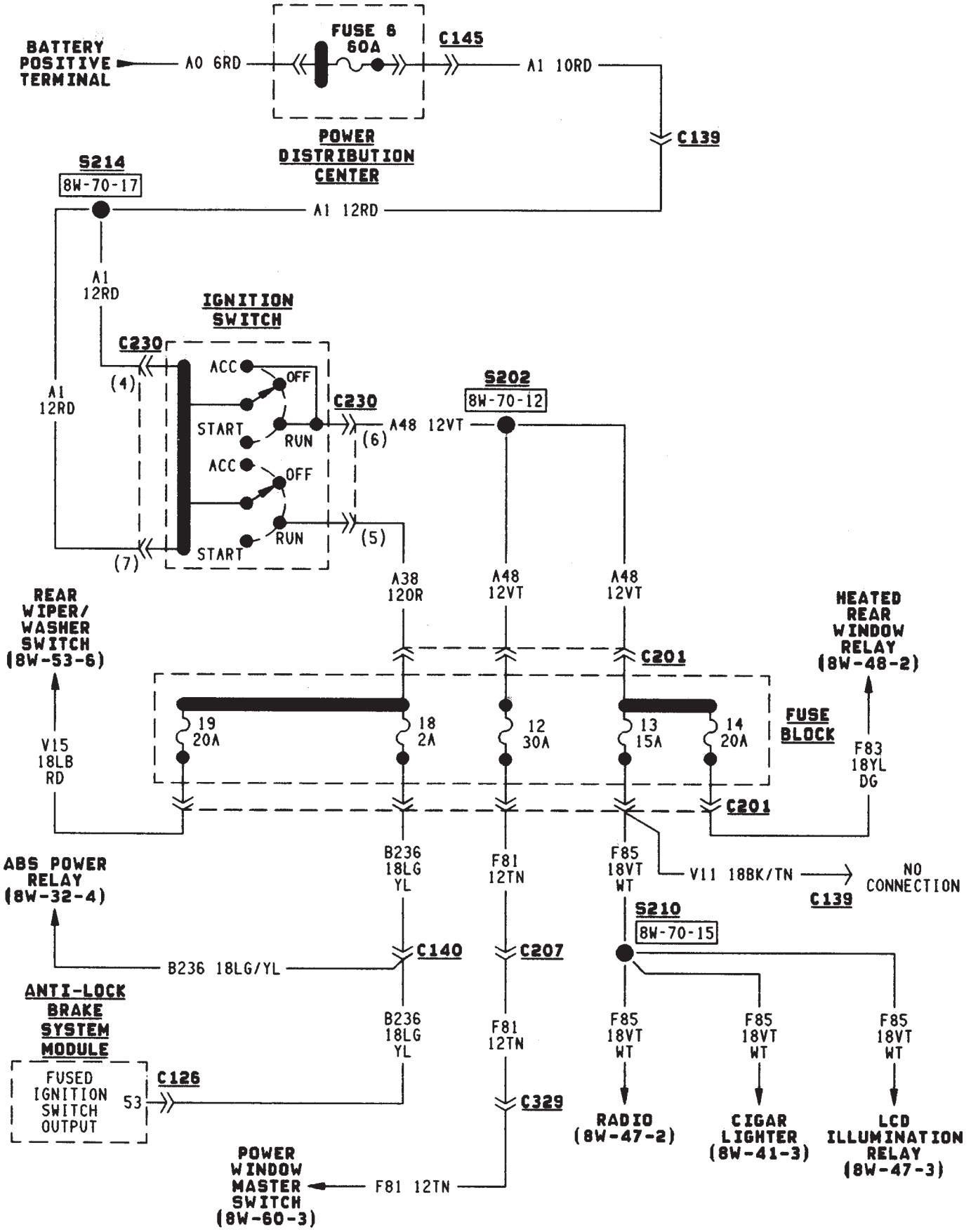
This section covers the Fuse Block and all circuits involved with it. For additional information on system operation, refer to the appropriate section of the wiring diagrams.

DIAGRAM INDEX

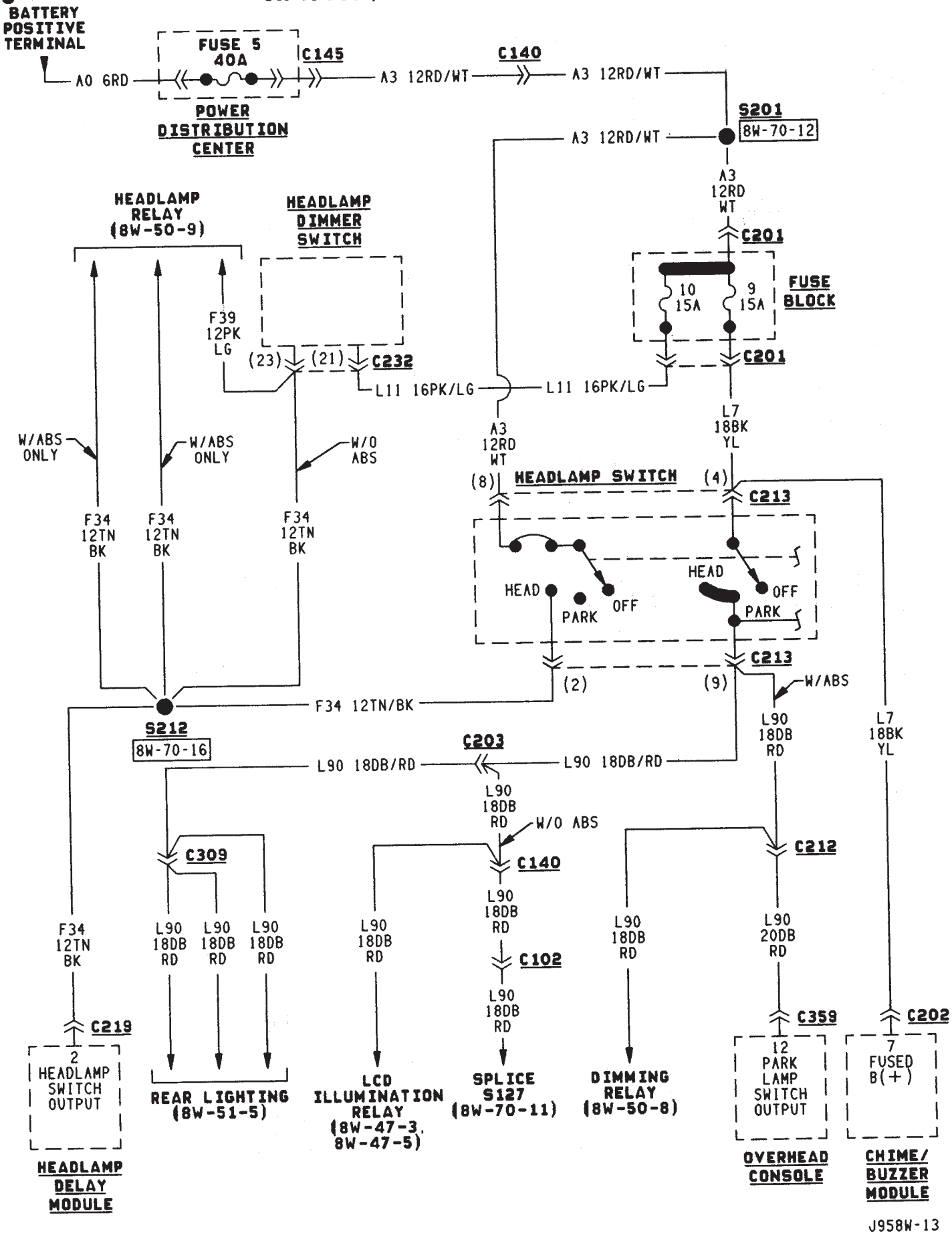

P60
20BR
WT
W/O ABS
C7
12BK
TN
F86
18LG
BK
P37
18LG
F82
12WT
A4
12BK
PK
A11
12RD
W/ABS
W/O ABS
A11 12BK/GY
4
3
2
1
A48 12VT
A7 12RD/YL
F60 18RD/WT
P38 180R/WT
P60 20BR/WT
X4 16GY/OR
W/ABS
8
7
6
5
A7 12RD/YL
L11 16PK/LG
L7 18BK/YL
F81 12TN
12
11
10
9
A48 12VT
A3 12RD/WT
F83 18YL/DG
F85 18VT/WT
V11 18BK/TN
16
15
14
13
A48 12VT
V15 18LB/RD
B236 18LG/YL
L170 20BR
20
19
18
17
A38 120R
24
23
22
21
A21 12YL
E2 200R/BK
28
27
26
25
E2 200R/BK
F87 20WT/BK
F87 20WT/BK

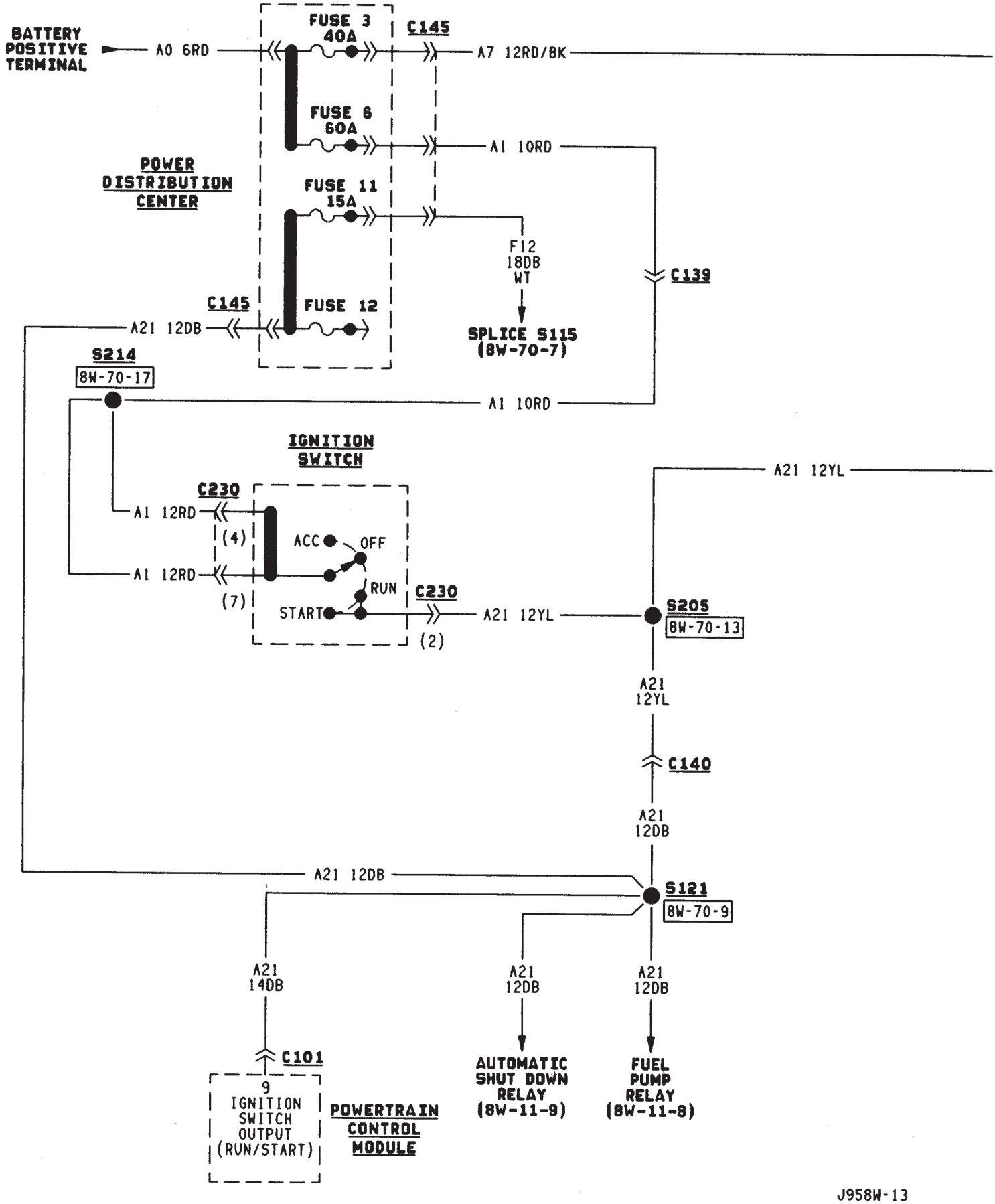
J958W-13

FUSE NUMBER	AMPS	COLOR	SHEET
1	30	C.B.	8W-10-10
2	30	GREEN	8W-10-8
3	5	TAN	8W-10-11
4	30	GREEN	8W-10-11
5	20	YELLOW	8W-10-7
6	20	YELLOW	8W-10-7
7	10	RED	8W-10-12
8	10	RED	8W-10-12
9	15	LT BLUE	8W-10-5, 8W-10-8
10	15	LT BLUE	8W-10-5
11	—	—	—
12	30	GREEN	8W-10-4
13	15	LT BLUE	8W-10-4
14	20	YELLOW	8W-10-4
15	—	—	—
16	—	—	—
17	—	—	—
18	2	PINK	8W-10-4
19	20	YELLOW	8W-10-4
20	7.5	BROWN	8W-10-11
21	—	—	—
22	—	—	—
23	—	—	—
24	—	—	—
25	5	TAN	8W-10-8
26	7.5	BROWN	8W-10-7
27	—	—	—
28	—	—	—

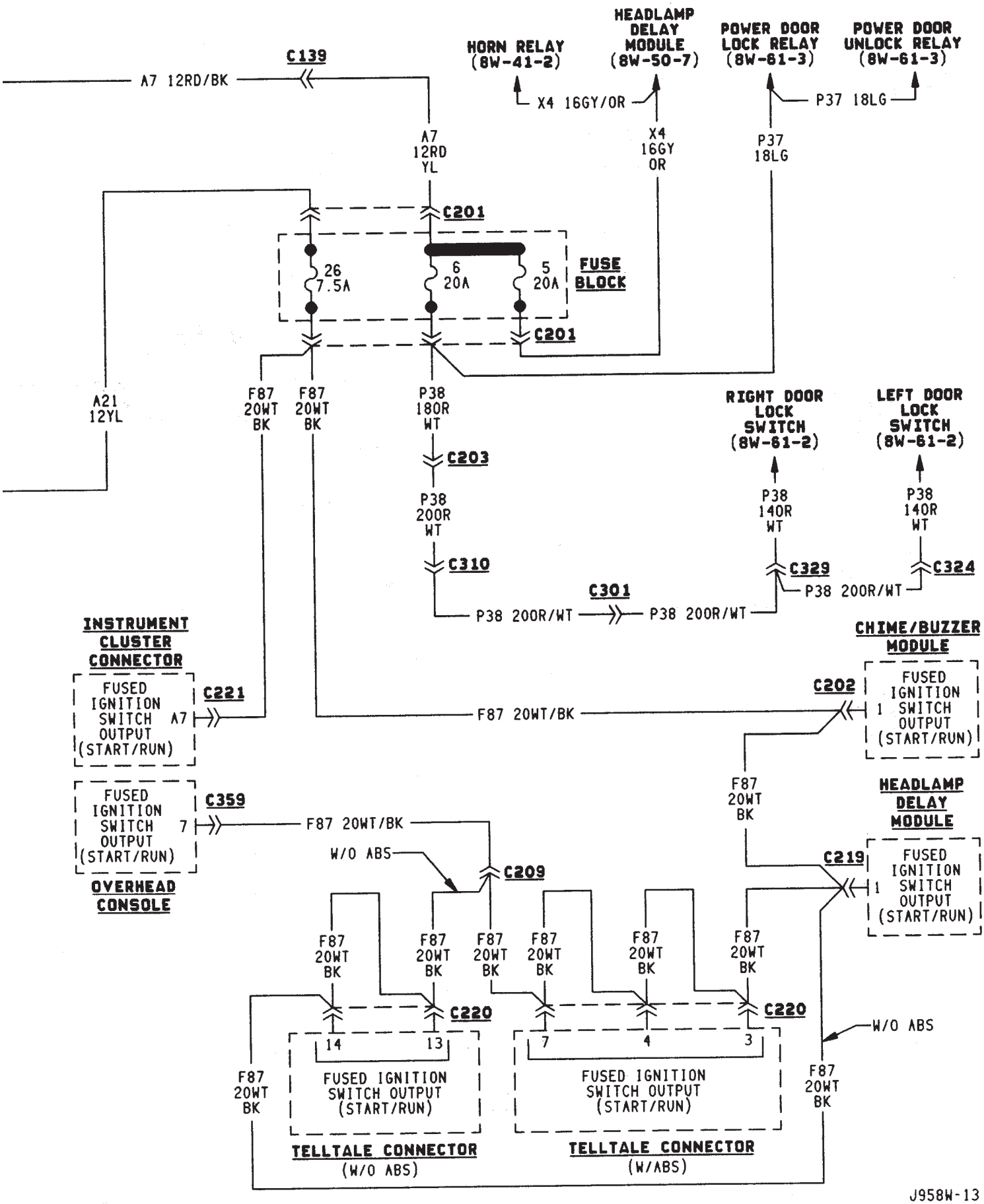

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 6 60A
C145
A1 10RD
POWER DISTRIBUTION CENTER
C139
S214
8W-70-17
A1 12RD
A1 12RD
IGNITION SWITCH
C230
(4)
ACC
OFF
START
RUN
ACC
OFF
RUN
START
(7)
C230
(6)
(5)
A48 12VT
S202
8W-70-12
A38 120R
A48 12VT
A48 12VT
C201
REAR WIPER/ WASHER SWITCH (8W-53-6)
HEATED REAR WINDOW RELAY (8W-48-2)
19 20A
18 2A
12 30A
13 15A
14 20A
FUSE BLOCK
V15 18LB RD
F83 18YL DG
C201
ABS POWER RELAY (8W-32-4)
B236 18LG YL
F81 12TN
F85 18VT WT
V11 18BK/TN
NO CONNECTION
C139
S210
8W-70-15
C140
C207
B236 18LG/YL
ANTI-LOCK BRAKE SYSTEM MODULE
FUSED IGNITION SWITCH OUTPUT
53
C126
B236 18LG YL
F81 12TN
F85 18VT WT
F85 18VT WT
F85 18VT WT
C329
RADIO (8W-47-2)
CIGAR LIGHTER (8W-41-3)
LCD ILLUMINATION RELAY (8W-47-3)
POWER WINDOW MASTER SWITCH (8W-60-3)
F81 12TN

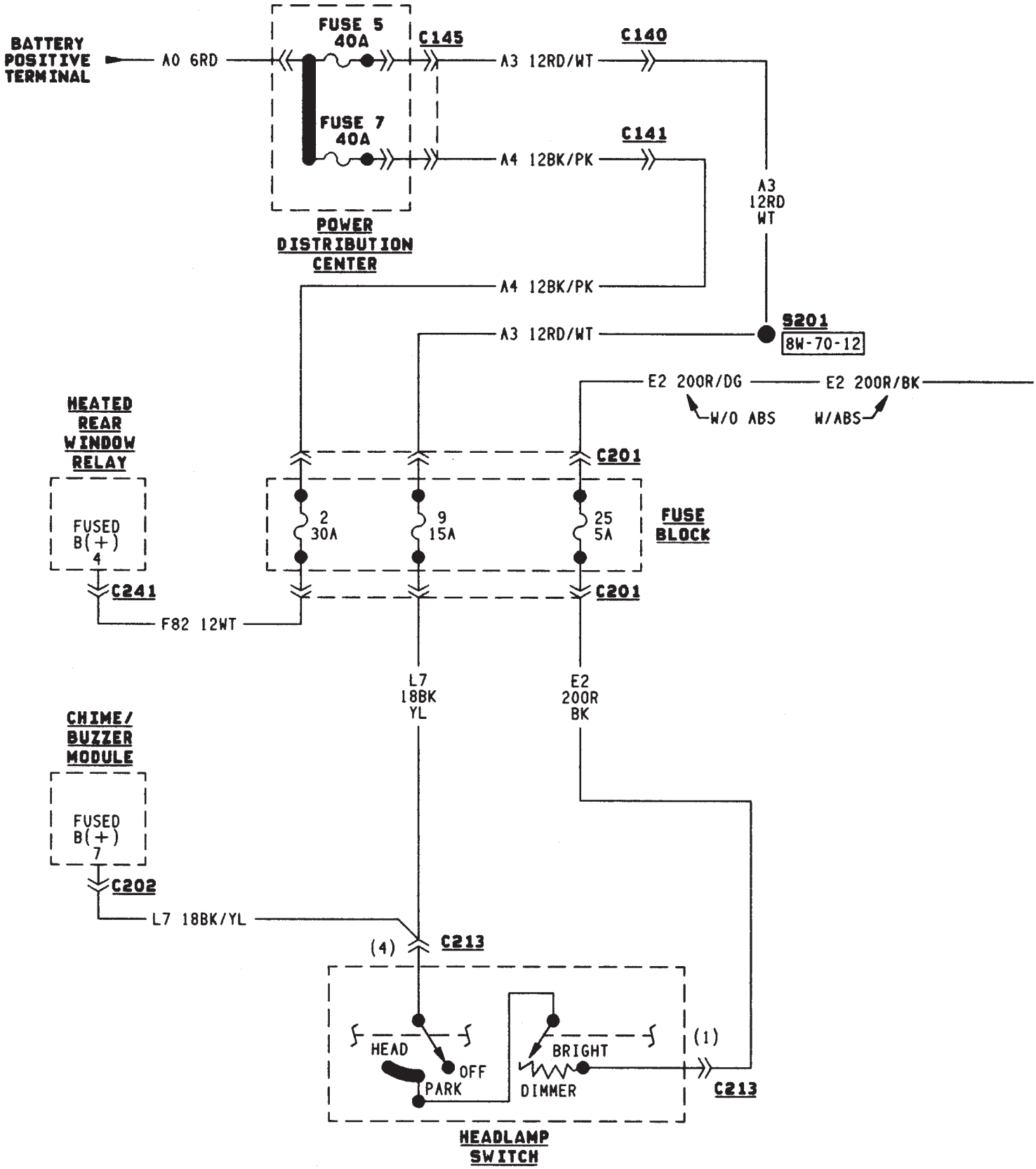
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
C145
POWER DISTRIBUTION CENTER
A3 12RD/WT
C140
A3 12RD/WT
S201
8W-70-12
A3 12RD/WT
A3 12RD WT
C201
FUSE BLOCK
10 15A
9 15A
C201
HEADLAMP RELAY (8W-50-9)
HEADLAMP DIMMER SWITCH
F39 12PK LG
(23)
(21)
C232
L11 16PK/LG
L11 16PK/LG
A3 12RD WT
L7 18BK YL
W/ABS ONLY
W/ABS ONLY
W/O ABS
F34 12TN BK
F34 12TN BK
F34 12TN BK
(8)
HEADLAMP SWITCH
(4)
C213
HEAD
PARK
OFF
HEAD
OFF
PARK
C213
(2)
(9)
W/ABS
F34 12TN/BK
S212
8W-70-16
C203
L90 18DB/RD
L90 18DB/RD
L90 18DB RD
L90 18DB RD
W/O ABS
L7 18BK YL
C309
C140
C212
F34 12TN BK
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 20DB RD
C102
L90 18DB RD
L90 18DB RD
C359
C202
C219
2 HEADLAMP SWITCH OUTPUT
REAR LIGHTING (8W-51-5)
LCD ILLUMINATION RELAY (8W-47-3, 8W-47-5)
SPLICE S127 (8W-70-11)
DIMMING RELAY (8W-50-8)
12 PARK LAMP SWITCH OUTPUT
7 FUSED B(+)
HEADLAMP DELAY MODULE
OVERHEAD CONSOLE
CHIME/ BUZZER MODULE
J958W-13

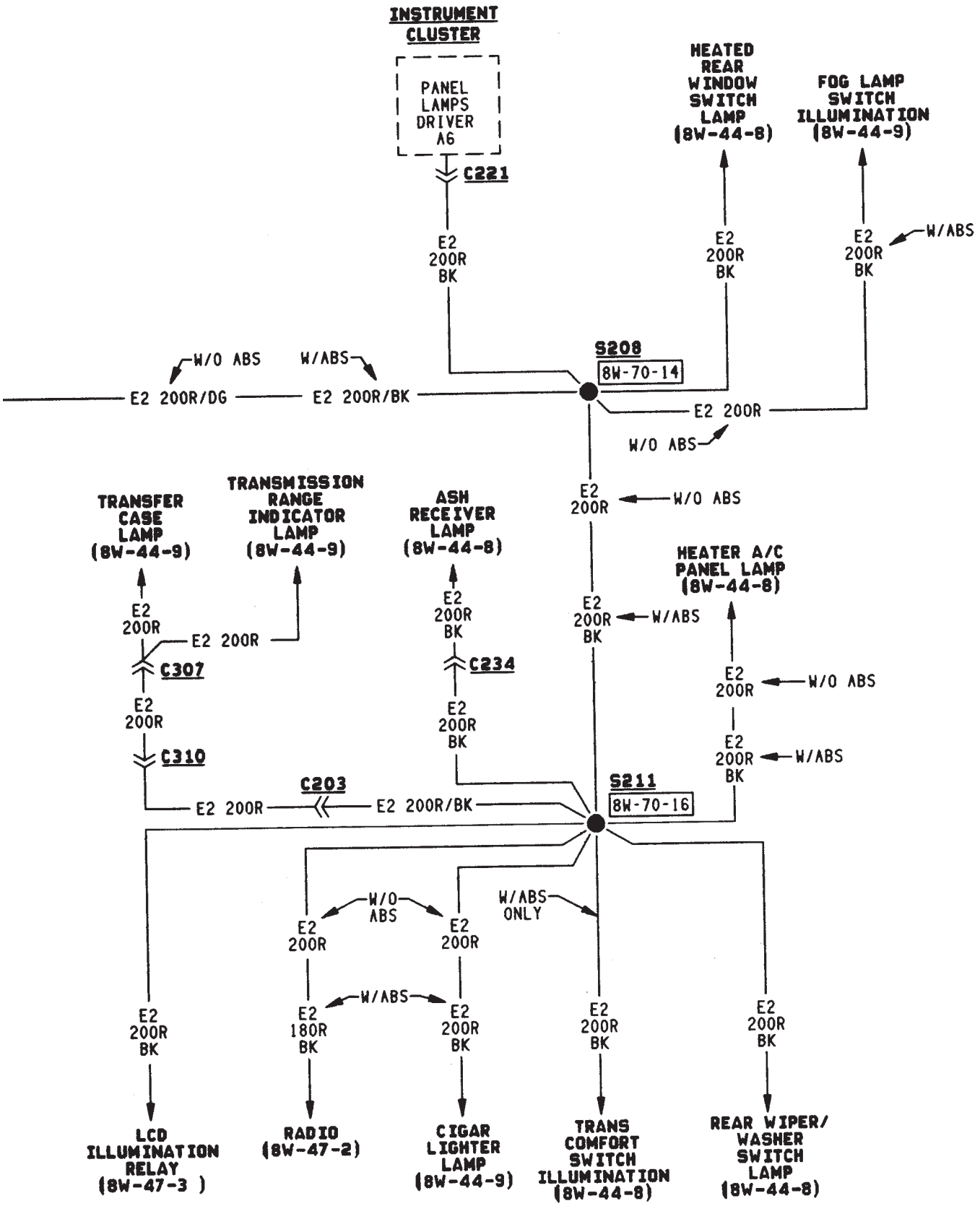

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3 40A
C145
A7 12RD/BK
FUSE 6 60A
A1 10RD
POWER DISTRIBUTION CENTER
FUSE 11 15A
F12 18DB WT
C139
C145
FUSE 12
A21 12DB
SPLICE S115 (8W-70-7)
S214
8W-70-17
A1 10RD
IGNITION SWITCH
A21 12YL
C230
A1 12RD
(4)
ACC
OFF
A1 12RD
RUN
(7)
START
C230
A21 12YL
S205
8W-70-13
(2)
A21 12YL
C140
A21 12DB
A21 12DB
S121
8W-70-9
A21 14DB
A21 12DB
A21 12DB
C101
9
IGNITION SWITCH OUTPUT (RUN/START)
POWERTRAIN CONTROL MODULE
AUTOMATIC SHUT DOWN RELAY (8W-11-9)
FUEL PUMP RELAY (8W-11-8)

J958W-13

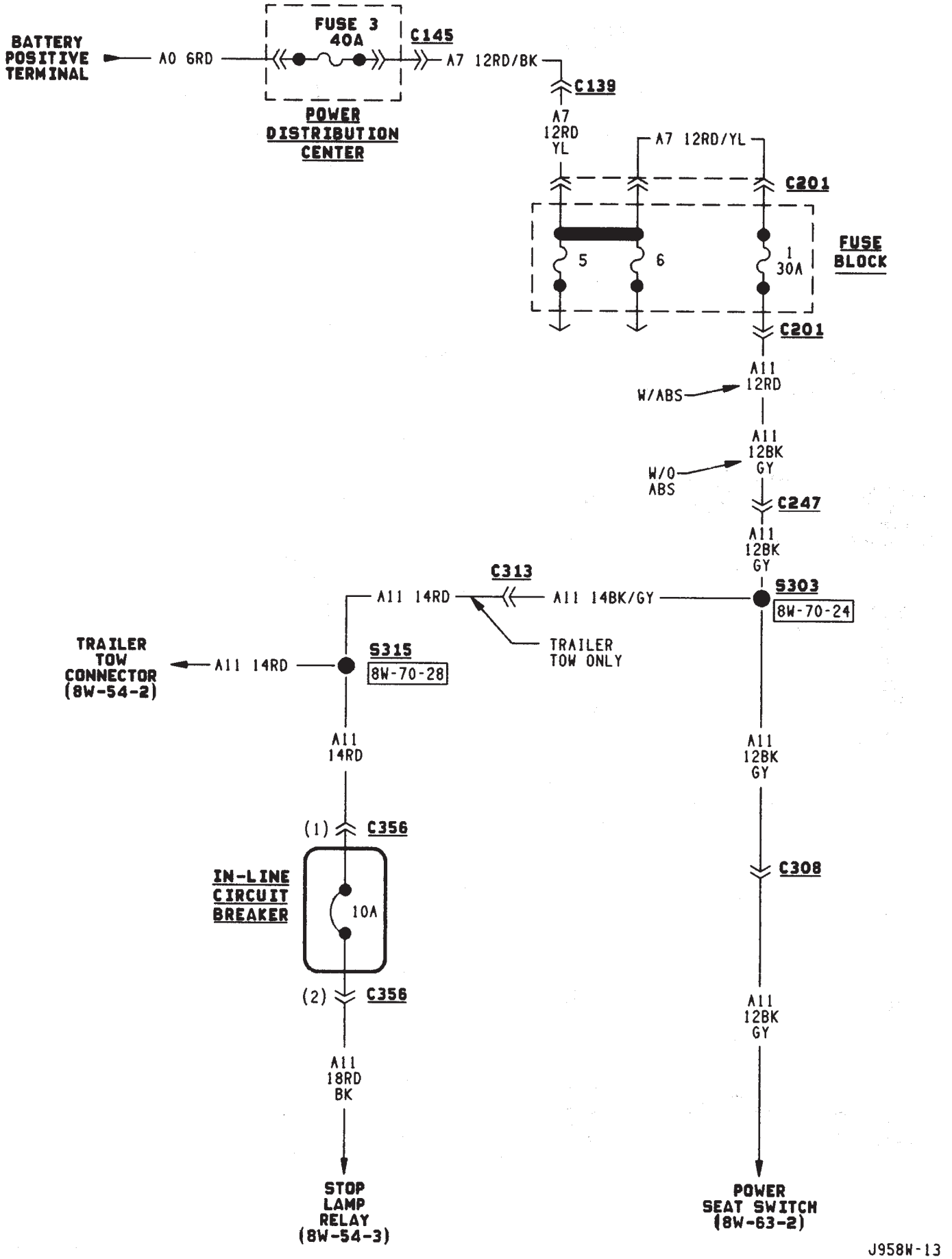

HEADLAMP DELAY MODULE (8W-50-7)
POWER DOOR LOCK RELAY (8W-61-3)
POWER DOOR UNLOCK RELAY (8W-61-3)
HORN RELAY (8W-41-2)
C139
A7 12RD/BK
X4 16GY/OR
P37 18LG
A7 12RD YL
X4 16GY OR
P37 18LG
C201
26 7.5A
6 20A
5 20A
FUSE BLOCK
C201
A21 12YL
F87 20WT BK
F87 20WT BK
P38 180R WT
C203
P38 200R WT
C310
RIGHT DOOR LOCK SWITCH (8W-61-2)
LEFT DOOR LOCK SWITCH (8W-61-2)
P38 140R WT
P38 140R WT
C329
C324
P38 200R/WT
C301
P38 200R/WT
P38 200R/WT
INSTRUMENT CLUSTER CONNECTOR
FUSED IGNITION SWITCH OUTPUT (START/RUN)
A7
C221
F87 20WT/BK
C202
CHIME/BUZZER MODULE
FUSED IGNITION SWITCH OUTPUT (START/RUN)
1
FUSED IGNITION SWITCH OUTPUT (START/RUN)
7
C359
F87 20WT/BK
OVERHEAD CONSOLE
F87 20WT BK
HEADLAMP DELAY MODULE
C219
FUSED IGNITION SWITCH OUTPUT (START/RUN)
1
W/O ABS
C209
F87 20WT BK
F87 20WT BK
F87 20WT BK
F87 20WT BK
F87 20WT BK
F87 20WT BK
C220
C220
14
13
7
4
3
W/O ABS
F87 20WT BK
FUSED IGNITION SWITCH OUTPUT (START/RUN)
FUSED IGNITION SWITCH OUTPUT (START/RUN)
F87 20WT BK
TELLTALE CONNECTOR (W/O ABS)
TELLTALE CONNECTOR (W/ABS)
J958W-13

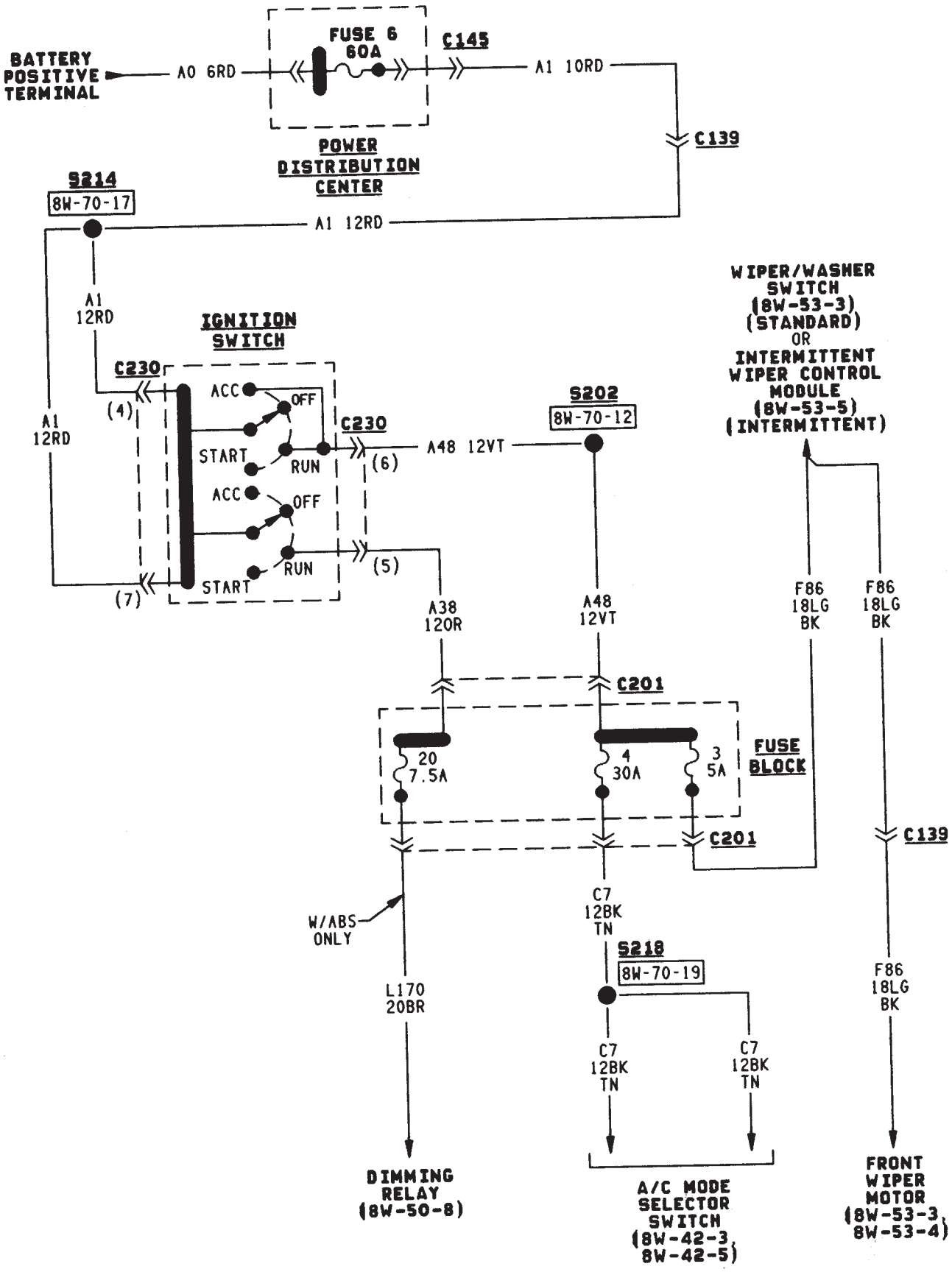

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
FUSE 7 40A
C145
A3 12RD/WT
C140
A4 12BK/PK
C141
POWER DISTRIBUTION CENTER
A3 12RD WT
A4 12BK/PK
A3 12RD/WT
S201
8W-70-12
E2 200R/DG
E2 200R/BK
W/O ABS
W/ABS
HEATED REAR WINDOW RELAY
FUSED B(+) 4
C241
F82 12WT
C201
2 30A
9 15A
25 5A
FUSE BLOCK
C201
L7 18BK YL
E2 200R BK
CHIME/ BUZZER MODULE
FUSED B(+) 7
C202
L7 18BK/YL
(4)
C213
HEAD
OFF
PARK
BRIGHT
DIMMER
(1)
C213
HEADLAMP SWITCH

J958W-13

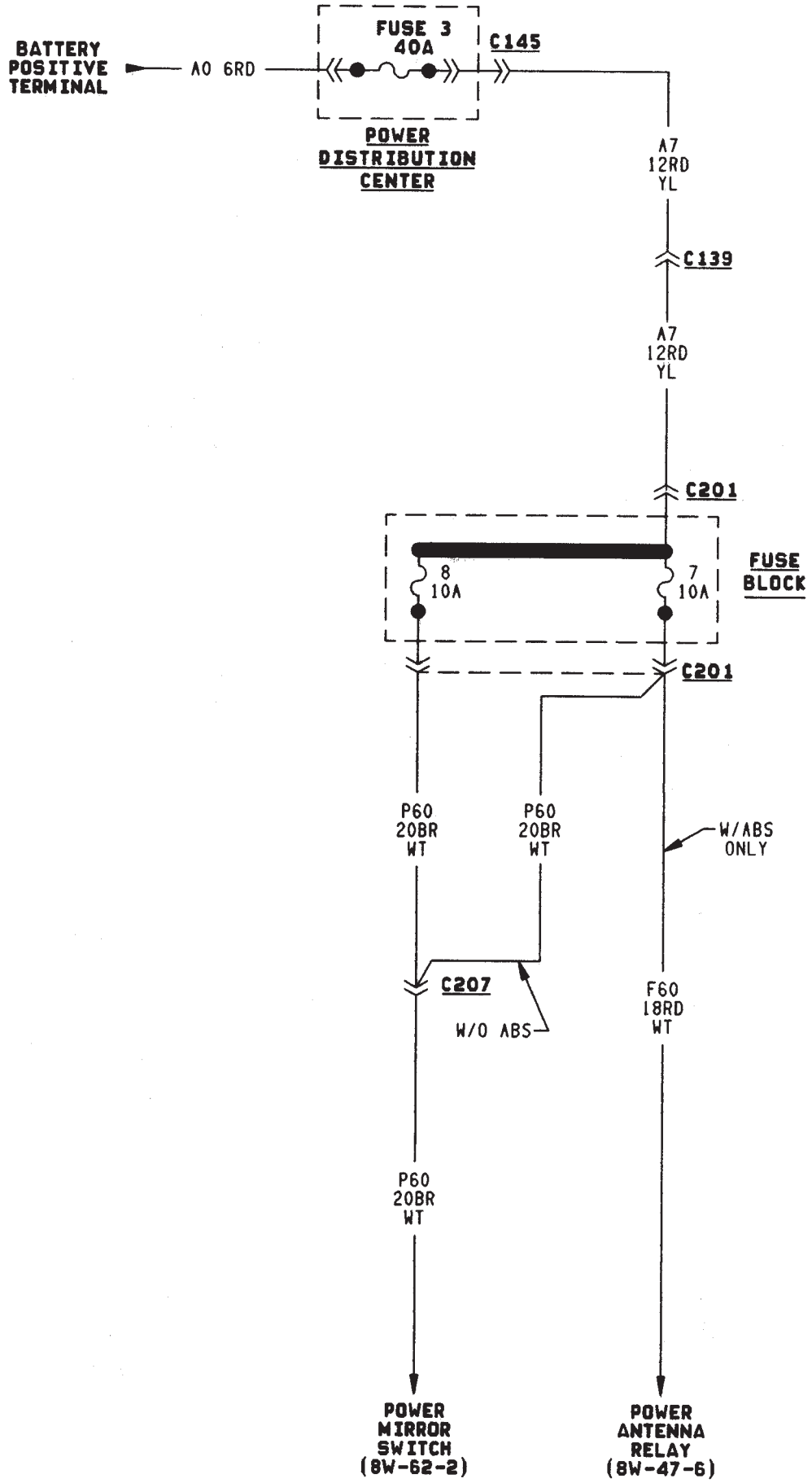

INSTRUMENT CLUSTER
PANEL LAMPS DRIVER A6
C221
E2 200R BK
HEATED REAR WINDOW SWITCH LAMP (8W-44-8)
E2 200R BK
FOG LAMP SWITCH ILLUMINATION (8W-44-9)
E2 200R BK
W/ABS
W/O ABS
W/ABS
E2 200R/DG
E2 200R/BK
S208
8W-70-14
E2 200R
W/O ABS
E2 200R
W/O ABS
TRANSFER CASE LAMP (8W-44-9)
TRANSMISSION RANGE INDICATOR LAMP (8W-44-9)
ASH RECEIVER LAMP (8W-44-8)
HEATER A/C PANEL LAMP (8W-44-8)
E2 200R
E2 200R
C307
E2 200R
C310
E2 200R BK
C234
E2 200R BK
E2 200R BK
W/ABS
E2 200R
W/O ABS
E2 200R BK
W/ABS
C203
E2 200R
E2 200R/BK
S211
8W-70-16
W/O ABS
W/ABS ONLY
E2 200R
E2 200R
W/ABS
E2 180R BK
E2 200R BK
E2 200R BK
E2 200R BK
E2 200R BK
LCD ILLUMINATION RELAY (8W-47-3)
RADIO (8W-47-2)
CIGAR LIGHTER LAMP (8W-44-9)
TRANS COMFORT SWITCH ILLUMINATION (8W-44-8)
REAR WIPER/ WASHER SWITCH LAMP (8W-44-8)

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3 40A
C145
A7 12RD/BK
C139
POWER DISTRIBUTION CENTER
A7 12RD YL
A7 12RD/YL
C201
5
6
1 30A
FUSE BLOCK
C201
A11 12RD
W/ABS
A11 12BK GY
W/O ABS
C247
A11 12BK GY
C313
S303
8W-70-24
A11 14RD
A11 14BK/GY
TRAILER TOW ONLY
TRAILER TOW CONNECTOR (8W-54-2)
A11 14RD
S315
8W-70-28
A11 14RD
A11 12BK GY
(1) C356
IN-LINE CIRCUIT BREAKER
10A
C308
(2) C356
A11 12BK GY
A11 18RD BK
STOP LAMP RELAY (8W-54-3)
POWER SEAT SWITCH (8W-63-2)
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 6 60A
C145
A1 10RD
C139
POWER DISTRIBUTION CENTER
S214
8W-70-17
A1 12RD
A1 12RD
IGNITION SWITCH
C230
ACC
OFF
START
RUN
ACC
OFF
RUN
START
(4)
(6)
(5)
(7)
C230
A48 12VT
S202
8W-70-12
WIPER/WASHER SWITCH (8W-53-3) (STANDARD) OR INTERMITTENT WIPER CONTROL MODULE (8W-53-5) (INTERMITTENT)
A1 12RD
A38 12OR
A48 12VT
F86 18LG BK
F86 18LG BK
C201
20 7.5A
4 30A
3 5A
FUSE BLOCK
C201
C139
W/ABS ONLY
L170 20BR
C7 12BK TN
S218
8W-70-19
F86 18LG BK
C7 12BK TN
C7 12BK TN
DIMMING RELAY (8W-50-8)
A/C MODE SELECTOR SWITCH (8W-42-3, 8W-42-5)
FRONT WIPER MOTOR (8W-53-3, 8W-53-4)

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3 40A
C145
POWER DISTRIBUTION CENTER
A7 12RD YL
C139
A7 12RD YL
C201
8 10A
7 10A
FUSE BLOCK
C201
P60 20BR WT
P60 20BR WT
W/ABS ONLY
C207
W/O ABS
F60 18RD WT
P60 20BR WT
POWER MIRROR SWITCH (8W-62-2)
POWER ANTENNA RELAY (8W-47-6)

J958W-13

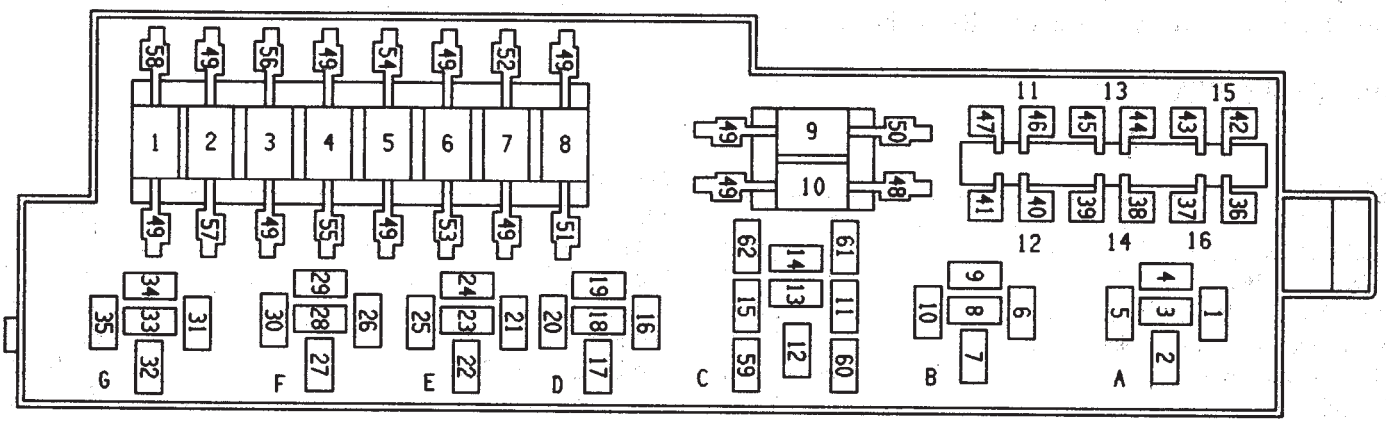
POWER DISTRIBUTION

GENERAL INFORMATION

This section covers the Power Distribution Center (PDC) and all circuits involved with it. For additional information on system operation, refer to the appropriate section of the wiring diagrams.

DIAGRAM INDEX

C145



POWER DISTRIBUTION CENTER

FUSE	FUSED CIRCUIT	FEED CIRCUIT	AMPS	SHEET
1	A11 10BK/GY	A0 6RD	60	8W-11-13
2	A14 14RD/WT (2)		30	8W-11-8
3	A7 12RD/BK (2)		40	8W-11-12
4	L9 18BK/WT		20	8W-11-14
5	A3 12RD/WT		40	8W-11-5
6	A1 10RD		60	8W-11-4 8W-11-7 8W-11-10 8W-11-14
7	A4 12BK/PK (2)		40	8W-11-4
8	A10 12RD/DG		40	8W-11-7
9	A11 10BK/GY		60	8W-11-13
10	A20 14RD/DB		30	8W-11-6
11	F12 18DB/WT	A21 12DB	15	8W-11-10
12	T17 18YL (2)		10	8W-11-14
13	F39 18PK/LG (2)	A4 14BK/PK	15	8W-11-4
14	A18 18RD/BK	A14 14RD/WT	20	8W-11-8
15	F141 16LG/RD	A14 14RD/WT	20	8W-11-8
16	A7 14RD/BK A7 18RD/BK	A7 12RD/BK	20	8W-11-12

(2)-TWO WIRES

J958W-13

A
RADIATOR FAN
CONTROL RELAY

CAV	CIRCUIT	FUNCTION	SHEET
1	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT	8W-11-11
2	F141 16LG/RD	FUSED B(+)	8W-11-11
4	C25 16LG	RADIATOR FAN RELAY OUTPUT	8W-11-11
5	C27 20DB/PK	RADIATOR FAN RELAY CONTROL	8W-11-11

B
FUEL PUMP
RELAY

CAV	CIRCUIT	FUNCTION	SHEET
6	A21 12DB	IGNITION SWITCH OUTPUT (RUN/START)	8W-11-8
7	A14 14RD/WT	FUSED B(+)	8W-11-8
9	A141 14DG/WT	FUEL PUMP RELAY OUTPUT	8W-11-8
9	A141 14DG/WT	FUEL PUMP RELAY OUTPUT	8W-11-8
10	K51 20DB/YL	ASD RELAY CONTROL	8W-11-8
10	K51 20DB/YL	ASD RELAY CONTROL	8W-11-8

C
ABS PUMP
MOTOR RELAY

CAV	CIRCUIT	FUNCTION	SHEET
11	B116 18GY	ABS PUMP MOTOR RELAY CONTROL	8W-11-7
12	A10 12RD/DG	FUSED B(+)	8W-11-7
14	B233 12TN/BK	ABS PUMP/MOTOR RELAY OUTPUT	8W-11-7
15	B235 14GY/YL	ABS POWER RELAY OUTPUT	8W-11-7
60	Z12 14BK/TN	GROUND	8W-11-7

D
A/C COMPRESSOR
CLUTCH RELAY

CAV	CIRCUIT	FUNCTION	SHEET
16	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT	8W-11-11
17	C90 16LG	A/C PRESSURE SWITCH OUTPUT	8W-11-11
19	C3 14DB/BK	A/C CMP CLUTCH RELAY OUTPUT	8W-11-11
20	C13 20DB/OR	A/C CMP CLUTCH RELAY CONTROL	8W-11-11

E
AUTOMATIC SHUT
DOWN RELAY

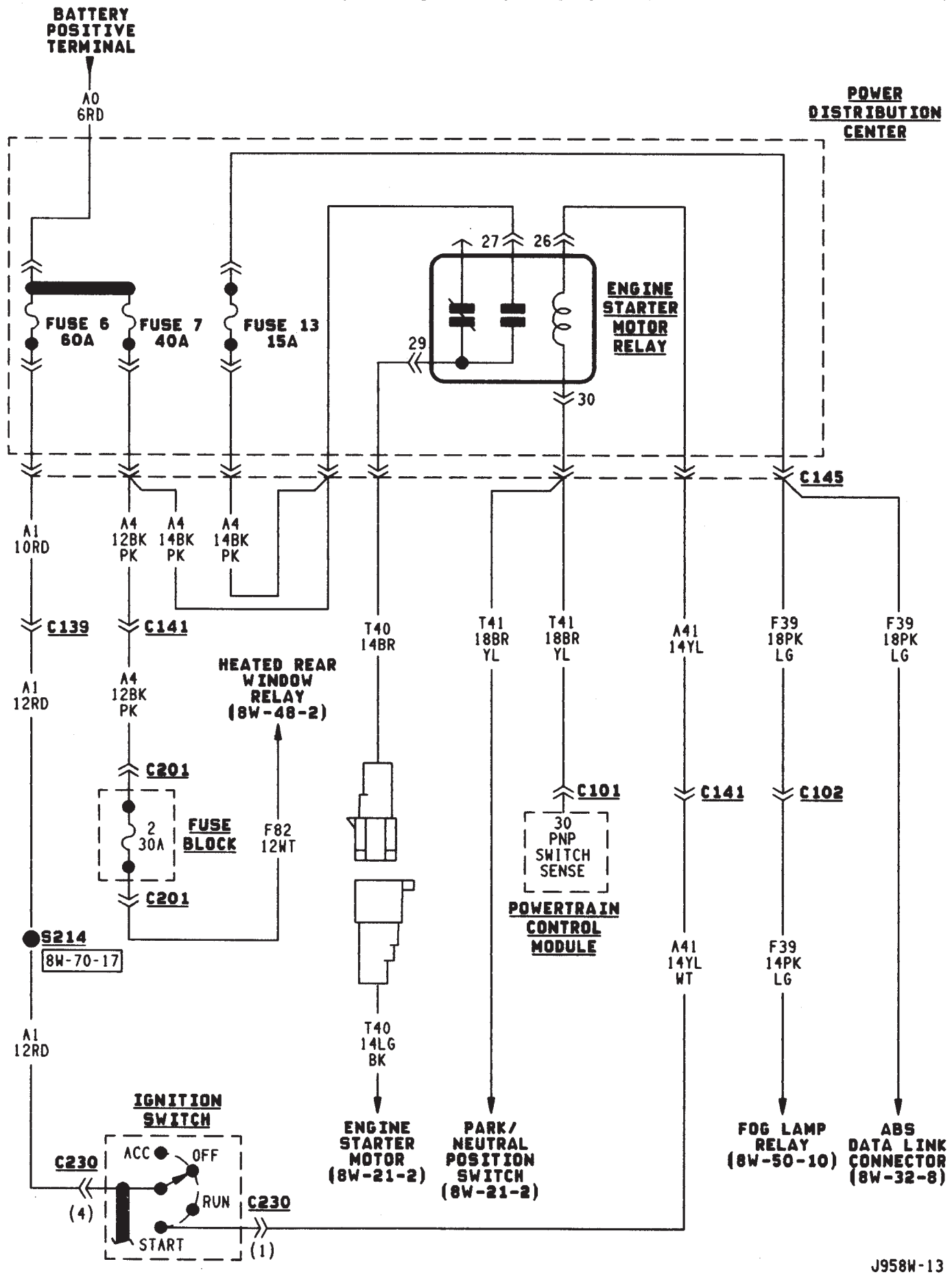
CAV	CIRCUIT	FUNCTION	SHEET
21	A21 12DB	IGNITION SWITCH OUTPUT (RUN/START)	8W-11-9
22	A18 18RD/BK	FUSED B(+)	8W-11-9
24	A142 14DG/OR	ASD RELAY OUTPUT	8W-11-9
25	K51 20DB/YL	ASD RELAY CONTROL	8W-11-9

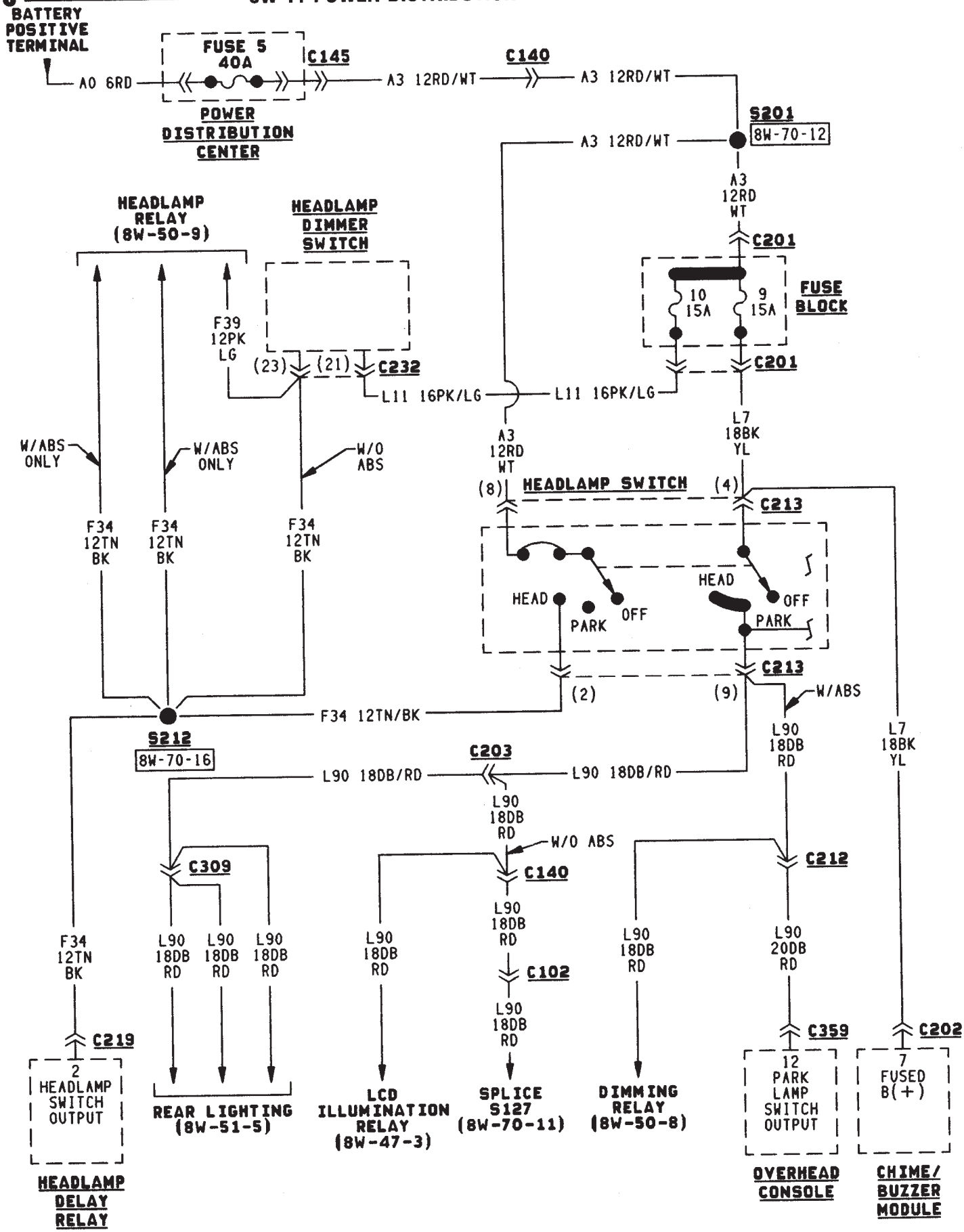
F
ENGINE STARTER
RELAY

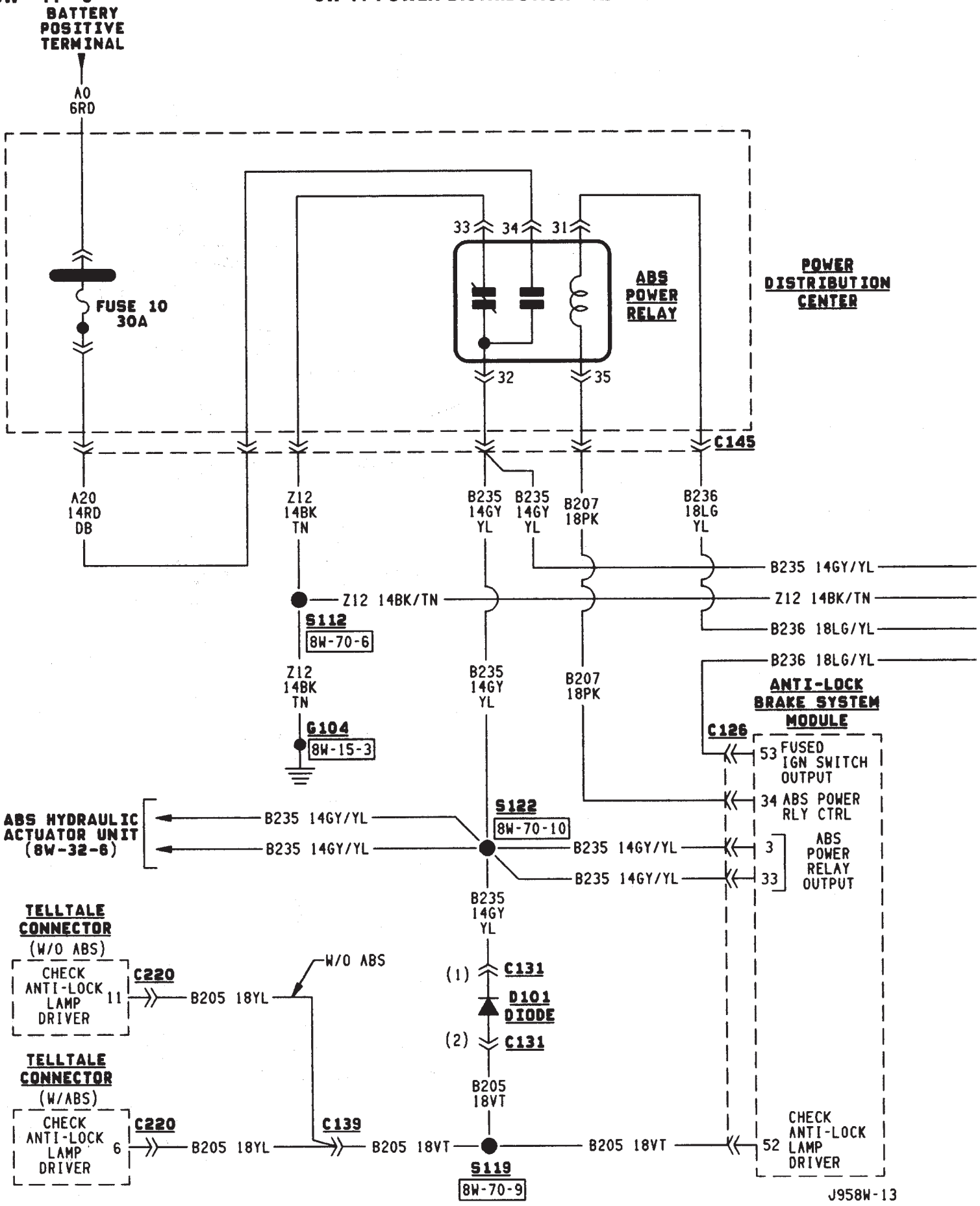
CAV	CIRCUIT	FUNCTION	SHEET
26	A41 14YL	IGNITION SWITCH OUTPUT (START)	8W-11-4
27	A4 14BK/PK	FUSED B(+)	8W-11-4
27	A4 14BK/PK	FUSED B(+)	8W-11-4
29	T40 14BR	ENGINE STARTER MOTOR RELAY OUTPUT	8W-11-4
30	T41 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE	8W-11-4
30	T41 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE	8W-11-4

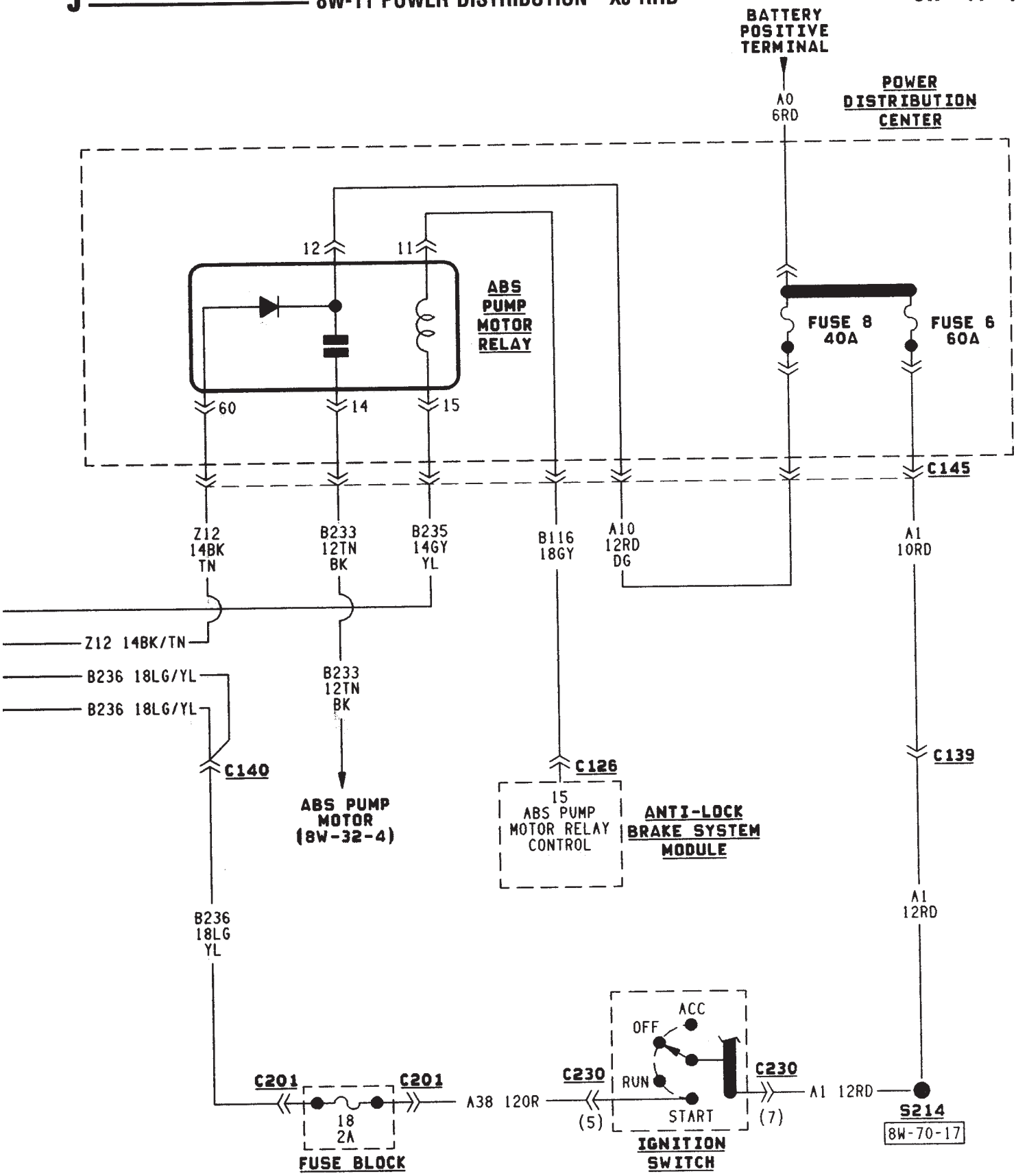
G
ABS POWER
RELAY

CAV	CIRCUIT	FUNCTION	SHEET
31	B236 18LG/YL	FUSED IGNITION SWITCH OUTPUT	8W-11-6
32	B235 14GY/YL	ABS POWER RELAY OUTPUT	8W-11-6
32	B235 14GY/YL	ABS POWER RELAY OUTPUT	8W-11-6
33	Z12 12BK/TN	GROUND	8W-11-6
34	A20 14RD/DB	FUSED B(+)	8W-11-6
35	B207 18PK	ABS POWER RELAY CONTROL	8W-11-6

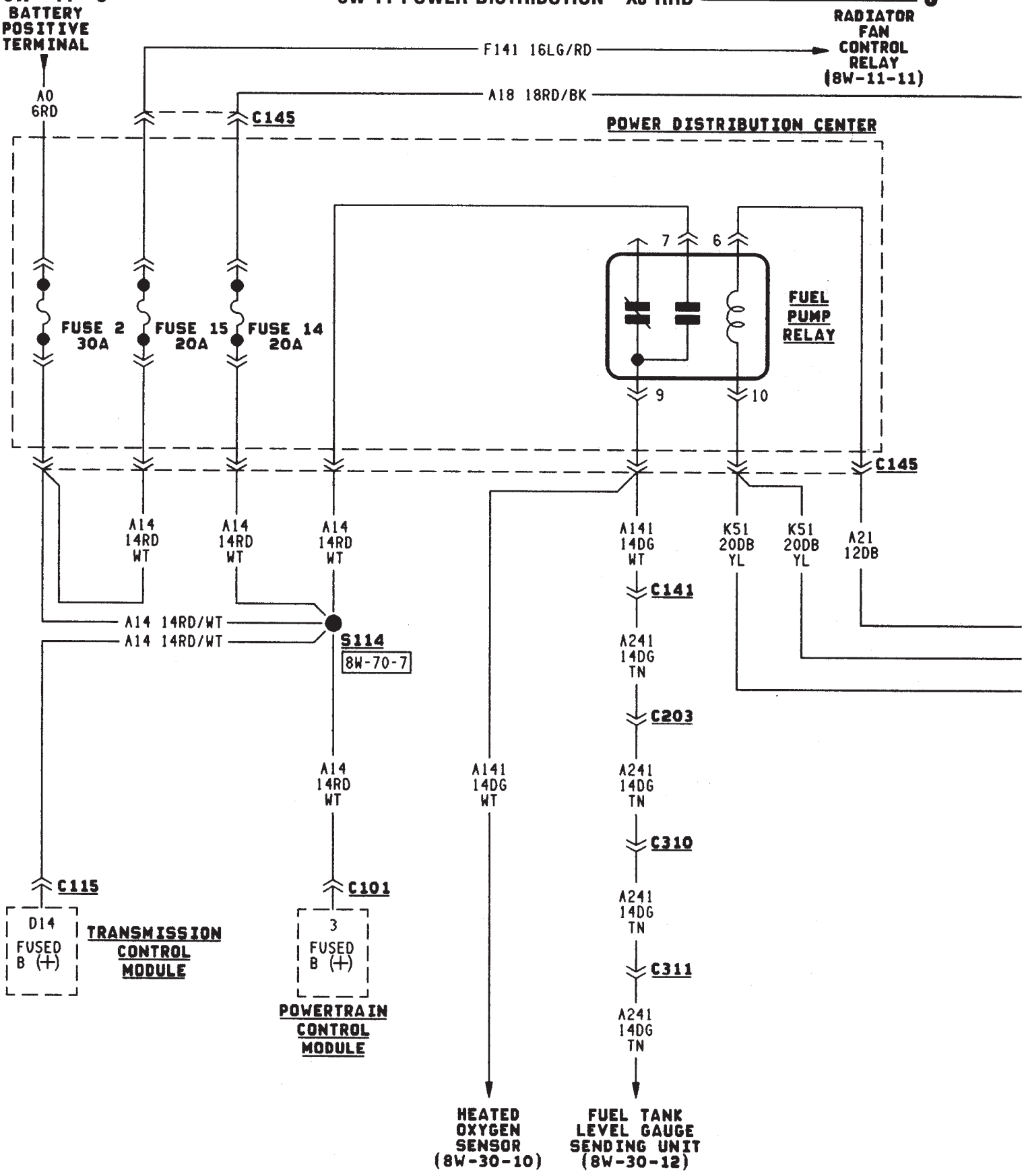

BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 7 40A
FUSE 13 15A
27
26
29
30
ENGINE STARTER MOTOR RELAY
C145
A1 10RD
A4 12BK PK
A4 14BK PK
A4 14BK PK
C139
C141
A1 12RD
A4 12BK PK
HEATED REAR WINDOW RELAY (8W-48-2)
C201
2 30A
FUSE BLOCK
F82 12WT
C201
S214
8W-70-17
A1 12RD
T40 14BR
T40 14LG BK
T41 18BR YL
T41 18BR YL
C101
30 PNP SWITCH SENSE
POWERTRAIN CONTROL MODULE
A41 14YL
C141
A41 14YL WT
F39 18PK LG
C102
F39 14PK LG
F39 18PK LG
IGNITION SWITCH
C230
ACC
OFF
RUN
START
(4)
C230
(1)
ENGINE STARTER MOTOR (8W-21-2)
PARK/ NEUTRAL POSITION SWITCH (8W-21-2)
FOG LAMP RELAY (8W-50-10)
ABS DATA LINK CONNECTOR (8W-32-8)
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
C145
POWER DISTRIBUTION CENTER
A3 12RD/WT
C140
A3 12RD/WT
S201
8W-70-12
A3 12RD WT
C201
FUSE BLOCK
10 15A
9 15A
C201
HEADLAMP RELAY (8W-50-9)
HEADLAMP DIMMER SWITCH
F39 12PK LG
(23)
(21)
C232
L11 16PK/LG
L11 16PK/LG
A3 12RD WT
L7 18BK YL
W/ABS ONLY
W/ABS ONLY
W/O ABS
F34 12TN BK
F34 12TN BK
F34 12TN BK
(8)
HEADLAMP SWITCH
(4)
C213
HEAD
PARK
OFF
HEAD
OFF
PARK
C213
(2)
(9)
W/ABS
F34 12TN/BK
S212
8W-70-16
C203
L90 18DB/RD
L90 18DB/RD
L90 18DB RD
L90 18DB RD
W/O ABS
C309
C140
C212
F34 12TN BK
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
C102
L90 18DB RD
L90 20DB RD
C219
C359
C202
2 HEADLAMP SWITCH OUTPUT
REAR LIGHTING (8W-51-5)
LCD ILLUMINATION RELAY (8W-47-3)
SPLICE S127 (8W-70-11)
DIMMING RELAY (8W-50-8)
12 PARK LAMP SWITCH OUTPUT
7 FUSED B(+)
HEADLAMP DELAY RELAY
OVERHEAD CONSOLE
CHIME/ BUZZER MODULE
J958W-13

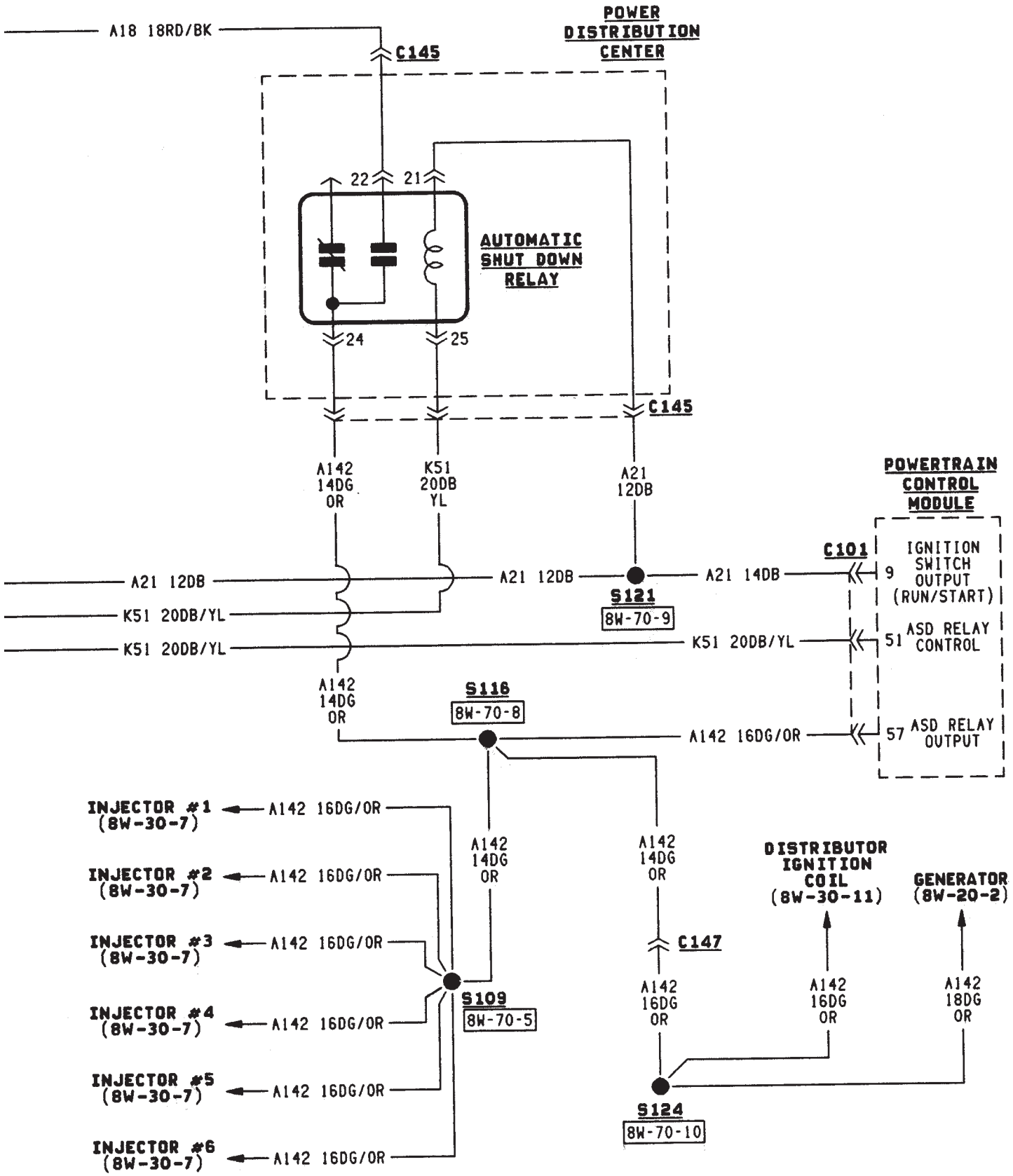

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 10 30A
33
34
31
ABS POWER RELAY
32
35
POWER DISTRIBUTION CENTER
C145
A20 14RD DB
Z12 14BK TN
B235 14GY YL
B235 14GY YL
B207 18PK
B236 18LG YL
B235 14GY/YL
Z12 14BK/TN
Z12 14BK/TN
S112
8W-70-6
B236 18LG/YL
B236 18LG/YL
Z12 14BK TN
B235 14GY YL
B207 18PK
ANTI-LOCK BRAKE SYSTEM MODULE
C126
G104
8W-15-3
53 FUSED IGN SWITCH OUTPUT
34 ABS POWER RLY CTRL
S122
8W-70-10
ABS HYDRAULIC ACTUATOR UNIT (8W-32-6)
B235 14GY/YL
B235 14GY/YL
B235 14GY/YL
B235 14GY/YL
3
33
ABS POWER RELAY OUTPUT
B235 14GY YL
TELLTALE CONNECTOR (W/O ABS)
CHECK ANTI-LOCK LAMP DRIVER
11
C220
B205 18YL
W/O ABS
(1)
C131
D101 DIODE
(2)
C131
B205 18VT
TELLTALE CONNECTOR (W/ABS)
CHECK ANTI-LOCK LAMP DRIVER
6
C220
B205 18YL
C139
B205 18VT
B205 18VT
52 CHECK ANTI-LOCK LAMP DRIVER
S119
8W-70-9
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
12
11
ABS PUMP MOTOR RELAY
60
14
15
FUSE 8 40A
FUSE 6 60A
C145
Z12 14BK TN
B233 12TN BK
B235 14GY YL
B116 18GY
A10 12RD DG
A1 10RD
Z12 14BK/TN
B236 18LG/YL
B236 18LG/YL
B233 12TN BK
C140
C126
C139
ABS PUMP MOTOR (8W-32-4)
15 ABS PUMP MOTOR RELAY CONTROL
ANTI-LOCK BRAKE SYSTEM MODULE
B236 18LG YL
A1 12RD
ACC
OFF
RUN
START
C230
C230
C201
C201
A38 12OR
(5)
(7)
A1 12RD
S214
8W-70-17
18 2A
FUSE BLOCK
IGNITION SWITCH

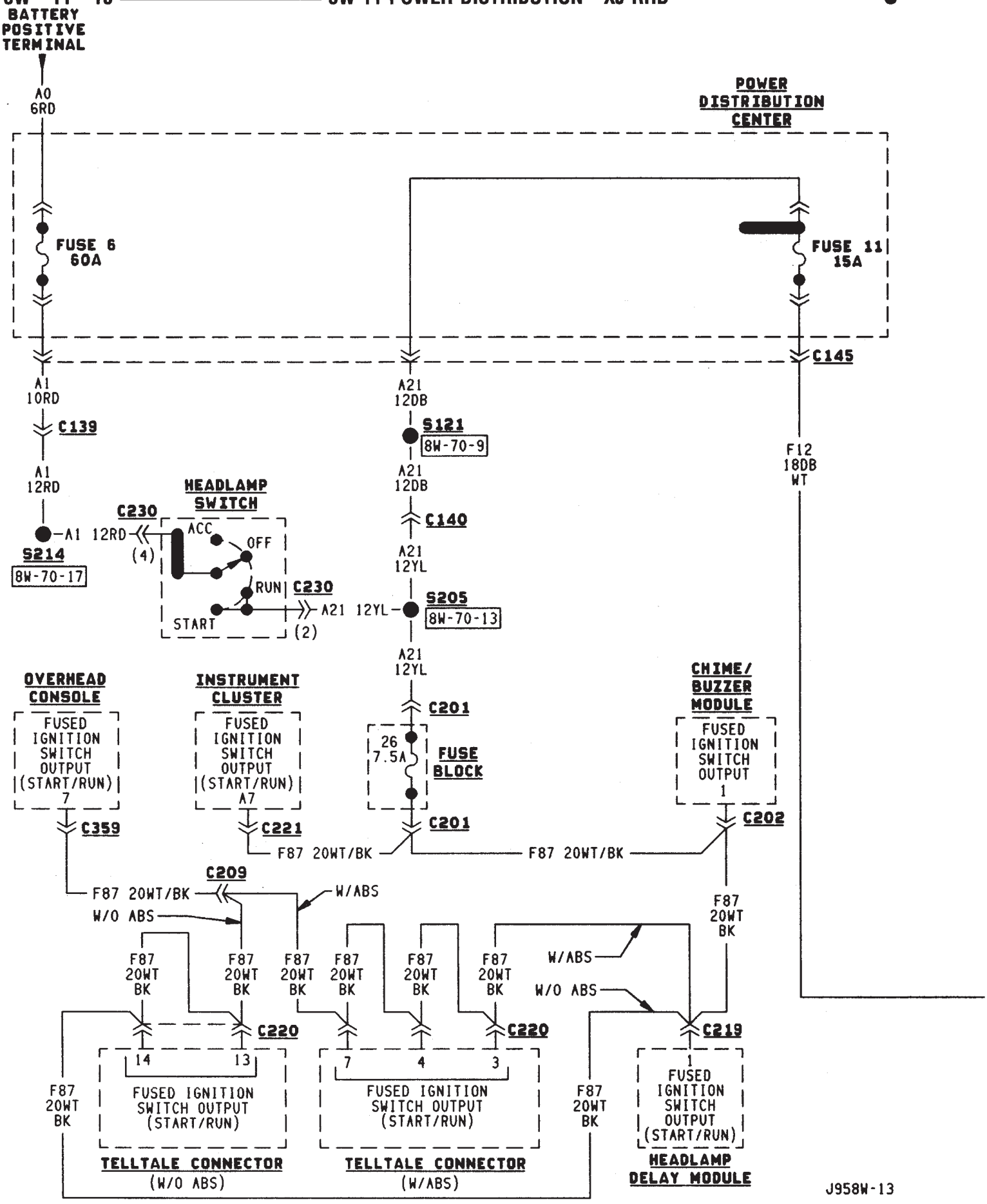
J958W-13

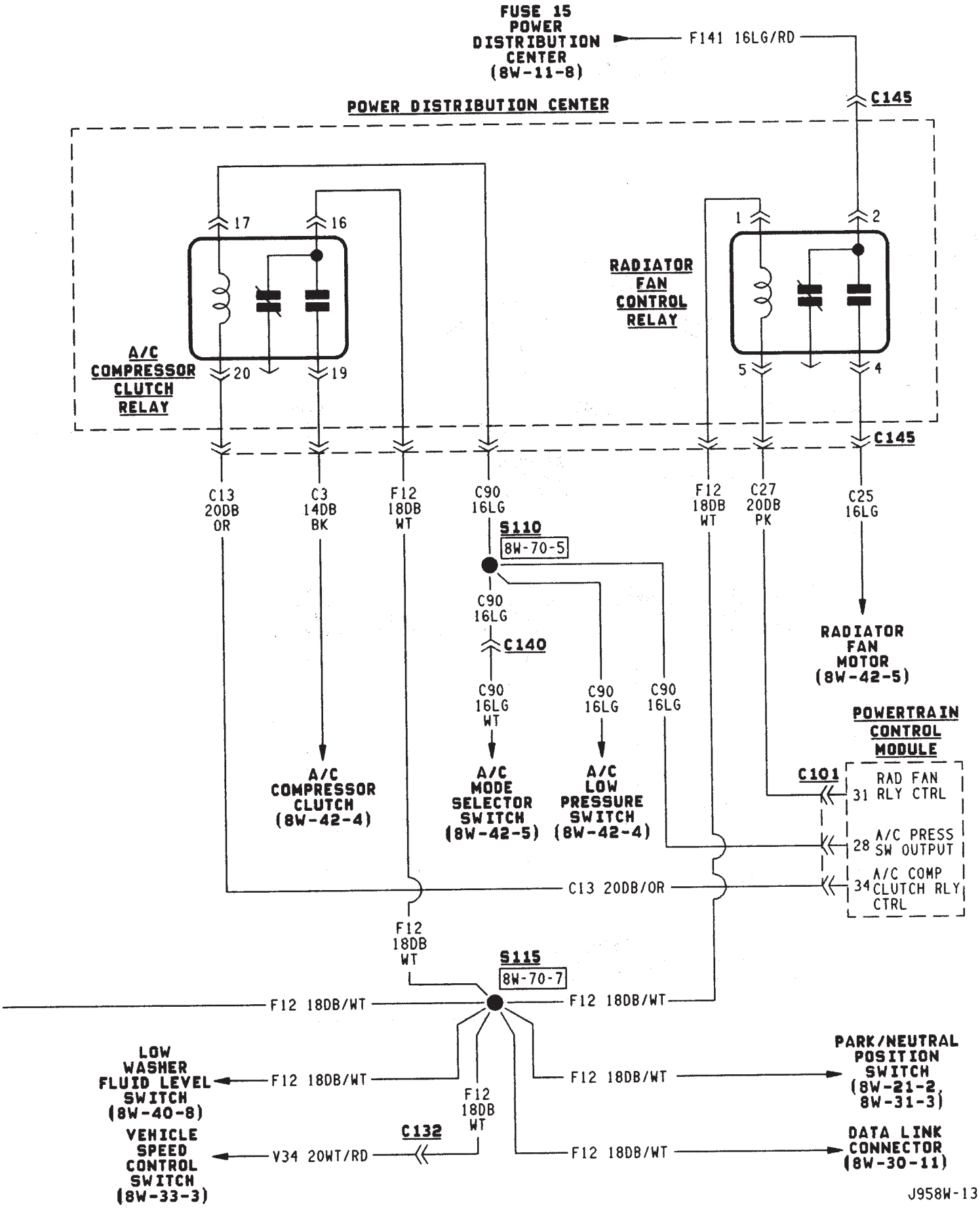

BATTERY POSITIVE TERMINAL
A0 6RD
F141 16LG/RD
RADIATOR FAN CONTROL RELAY (8W-11-11)
A18 18RD/BK
C145
POWER DISTRIBUTION CENTER
FUSE 2 30A
FUSE 15 20A
FUSE 14 20A
7
6
FUEL PUMP RELAY
9
10
C145
A14 14RD WT
A14 14RD WT
A14 14RD WT
A141 14DG WT
K51 20DB YL
K51 20DB YL
A21 12DB
C141
A14 14RD/WT
A14 14RD/WT
S114
8W-70-7
A241 14DG TN
C203
A14 14RD WT
A141 14DG WT
A241 14DG TN
C310
A241 14DG TN
C311
A241 14DG TN
C115
C101
D14 FUSED B (+)
TRANSMISSION CONTROL MODULE
3 FUSED B (+)
POWERTRAIN CONTROL MODULE
HEATED OXYGEN SENSOR (8W-30-10)
FUEL TANK LEVEL GAUGE SENDING UNIT (8W-30-12)

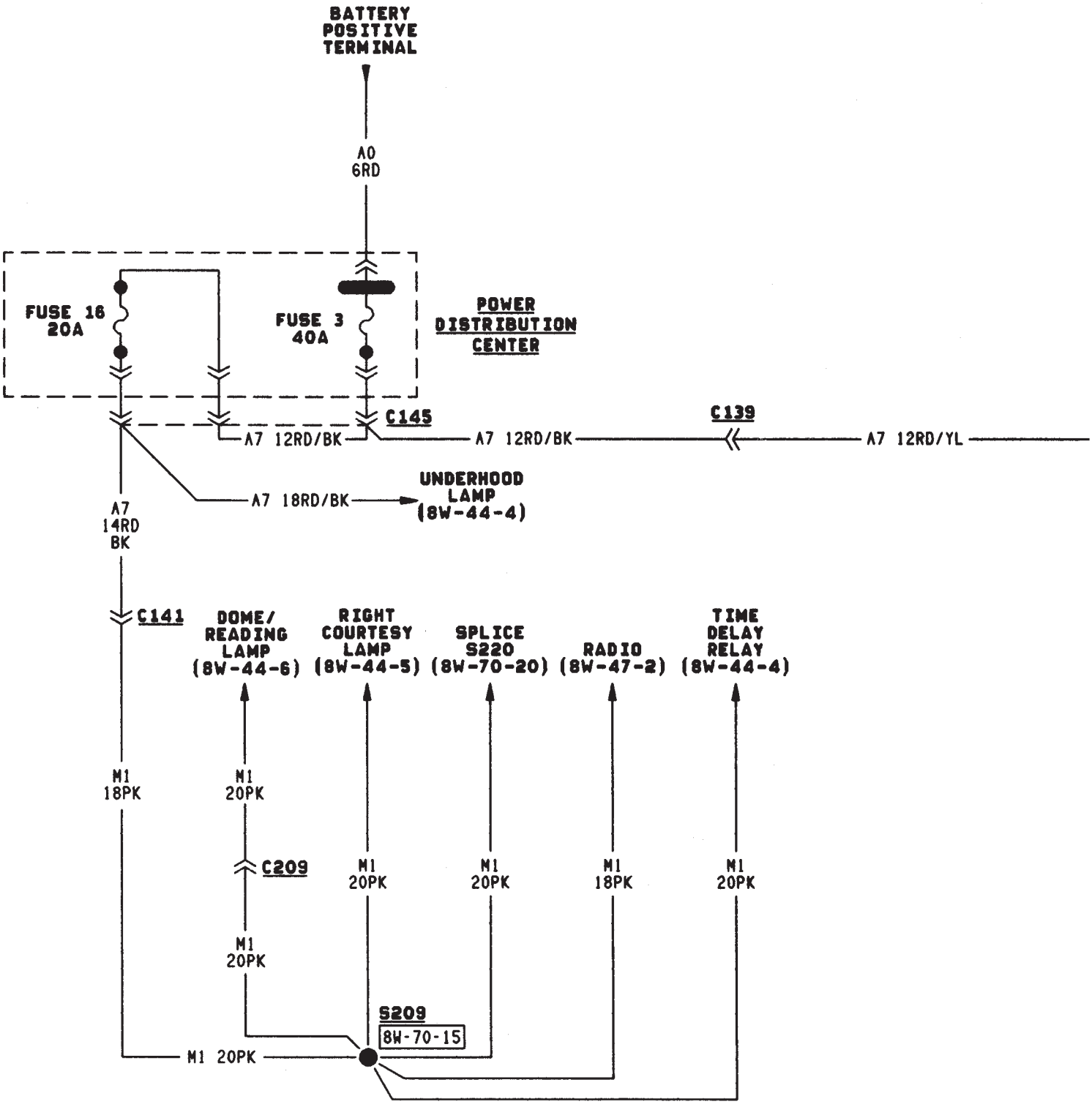
J958W-13


A18 18RD/BK
C145
POWER DISTRIBUTION CENTER
22
21
AUTOMATIC SHUT DOWN RELAY
24
25
C145
A142 14DG OR
K51 20DB YL
A21 12DB
POWERTRAIN CONTROL MODULE
C101
IGNITION SWITCH OUTPUT (RUN/START)
9
A21 12DB
A21 12DB
A21 14DB
S121
8W-70-9
ASD RELAY CONTROL
51
K51 20DB/YL
K51 20DB/YL
K51 20DB/YL
A142 14DG OR
S116
8W-70-8
A142 16DG/OR
57
ASD RELAY OUTPUT
INJECTOR #1 (8W-30-7)
A142 16DG/OR
INJECTOR #2 (8W-30-7)
A142 16DG/OR
INJECTOR #3 (8W-30-7)
A142 16DG/OR
INJECTOR #4 (8W-30-7)
A142 16DG/OR
INJECTOR #5 (8W-30-7)
A142 16DG/OR
INJECTOR #6 (8W-30-7)
A142 16DG/OR
A142 14DG OR
A142 14DG OR
S109
8W-70-5
C147
A142 16DG OR
DISTRIBUTOR IGNITION COIL (8W-30-11)
A142 16DG OR
GENERATOR (8W-20-2)
A142 18DG OR
S124
8W-70-10

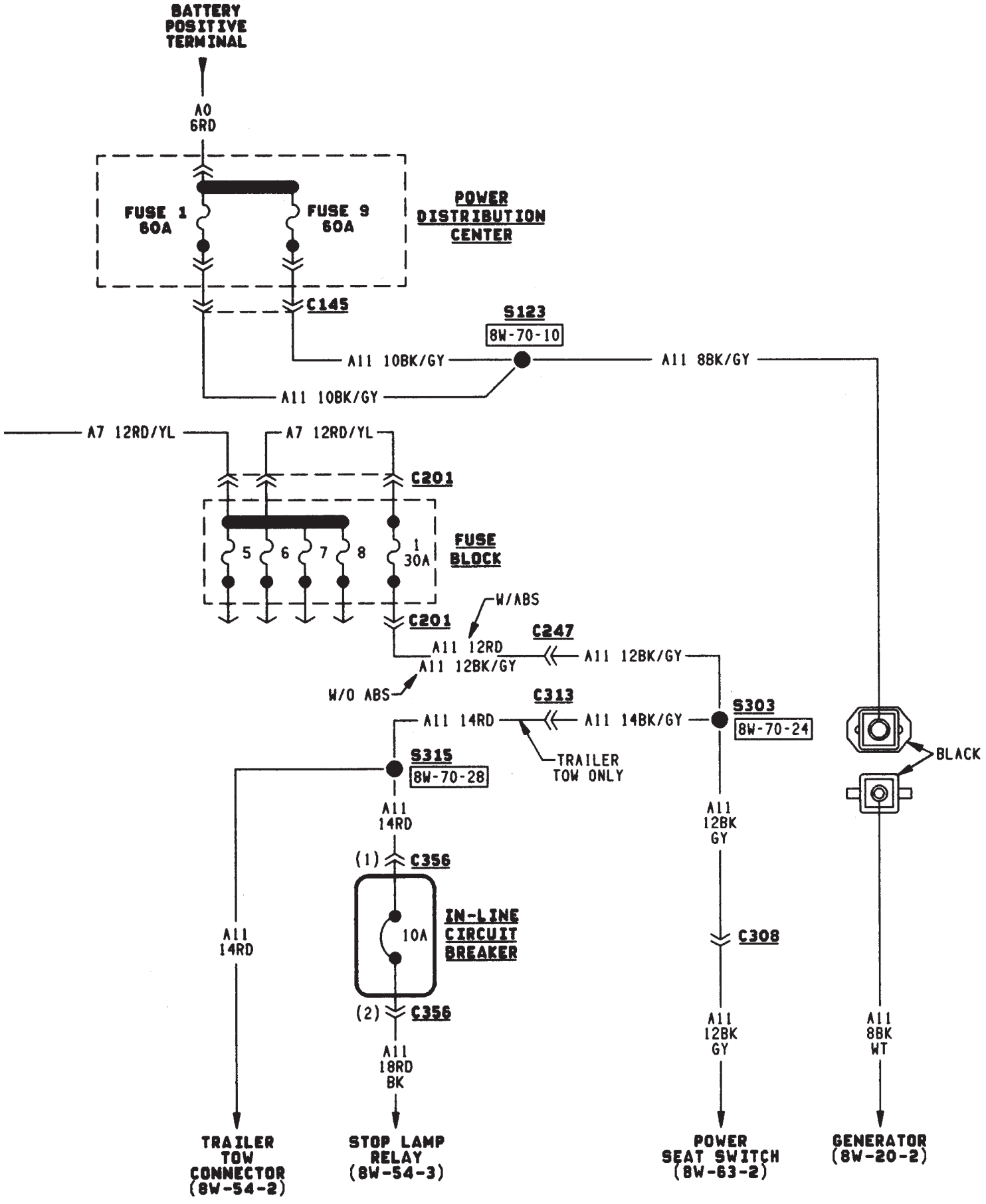
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 11 15A
C145
A1 10RD
C139
A1 12RD
S214
8W-70-17
HEADLAMP SWITCH
C230
A1 12RD
(4)
ACC
OFF
RUN
START
C230
A21 12YL
(2)
A21 12DB
S121
8W-70-9
A21 12DB
C140
A21 12YL
S205
8W-70-13
A21 12YL
C201
26 7.5A
FUSE BLOCK
C201
F12 18DB WT
OVERHEAD CONSOLE
FUSED IGNITION SWITCH OUTPUT (START/RUN)
7
C359
INSTRUMENT CLUSTER
FUSED IGNITION SWITCH OUTPUT (START/RUN)
A7
C221
CHIME/ BUZZER MODULE
FUSED IGNITION SWITCH OUTPUT
1
C202
F87 20WT/BK
F87 20WT/BK
C209
F87 20WT/BK
W/ABS
W/O ABS
F87 20WT BK
W/ABS
W/O ABS
C220
C220
C219
14
13
7
4
3
1
FUSED IGNITION SWITCH OUTPUT (START/RUN)
FUSED IGNITION SWITCH OUTPUT (START/RUN)
FUSED IGNITION SWITCH OUTPUT (START/RUN)
TELLTALE CONNECTOR (W/O ABS)
TELLTALE CONNECTOR (W/ABS)
HEADLAMP DELAY MODULE
J958W-13

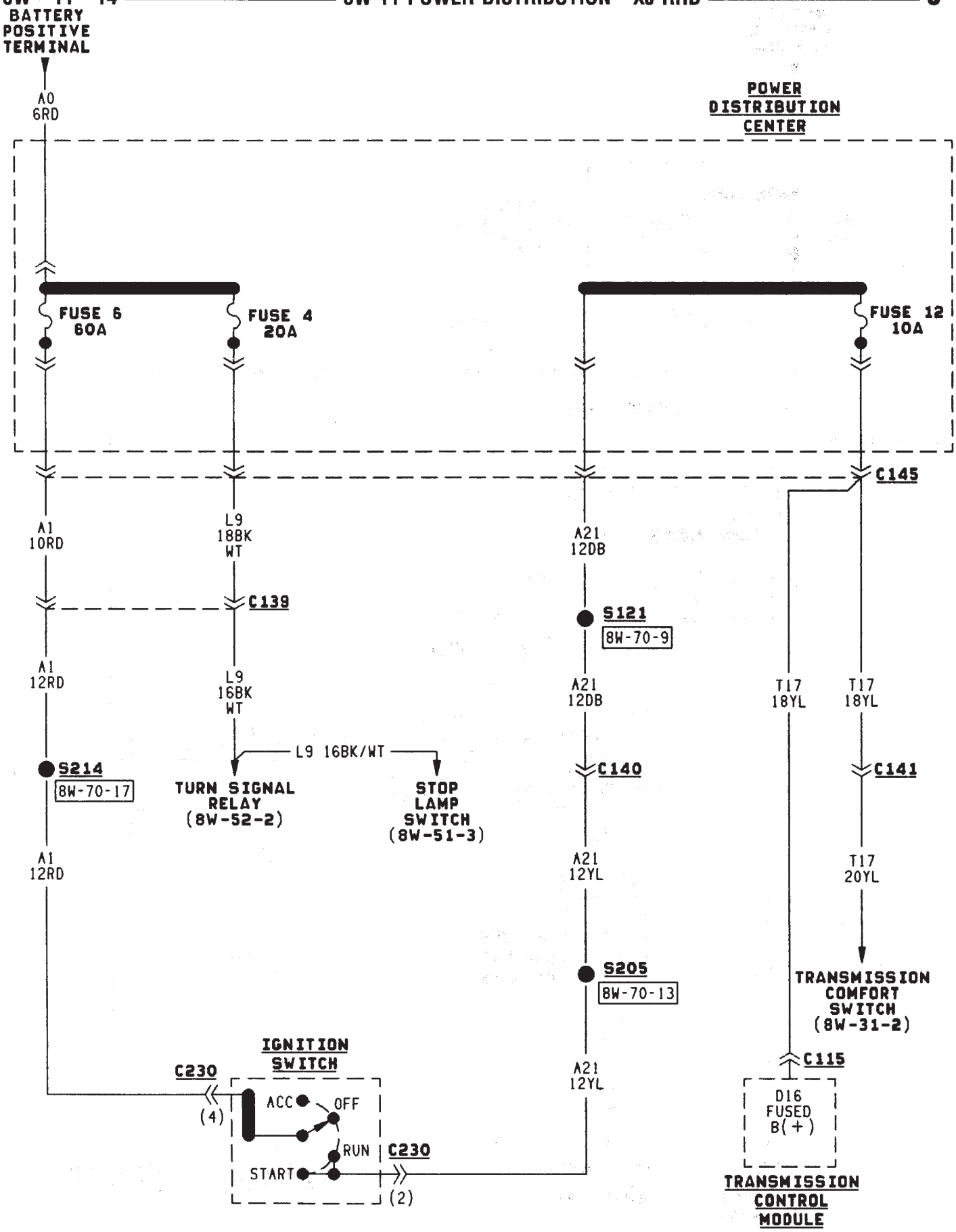

FUSE 15
POWER
DISTRIBUTION
CENTER
(8W-11-8)
F141 16LG/RD
C145
POWER DISTRIBUTION CENTER
17
16
1
2
RADIATOR
FAN
CONTROL
RELAY
A/C
COMPRESSOR
CLUTCH
RELAY
20
19
5
4
C145
C13
20DB
OR
C3
14DB
BK
F12
18DB
WT
C90
16LG
S110
8W-70-5
F12
18DB
WT
C27
20DB
PK
C25
16LG
C90
16LG
C140
RADIATOR
FAN
MOTOR
(8W-42-5)
C90
16LG
WT
C90
16LG
C90
16LG
POWERTRAIN
CONTROL
MODULE
C101
RAD FAN
31 RLY CTRL
28 A/C PRESS
SW OUTPUT
34 A/C COMP
CLUTCH RLY
CTRL
A/C
COMPRESSOR
CLUTCH
(8W-42-4)
A/C
MODE
SELECTOR
SWITCH
(8W-42-5)
A/C
LOW
PRESSURE
SWITCH
(8W-42-4)
C13 20DB/OR
F12
18DB
WT
S115
8W-70-7
F12 18DB/WT
F12 18DB/WT
LOW
WASHER
FLUID LEVEL
SWITCH
(8W-40-8)
F12 18DB/WT
F12 18DB/WT
PARK/NEUTRAL
POSITION
SWITCH
(8W-21-2,
8W-31-3)
F12
18DB
WT
C132
VEHICLE
SPEED
CONTROL
SWITCH
(8W-33-3)
V34 20WT/RD
F12 18DB/WT
DATA LINK
CONNECTOR
(8W-30-11)
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 16 20A
FUSE 3 40A
POWER DISTRIBUTION CENTER
C145
A7 12RD/BK
C139
A7 12RD/BK
A7 12RD/YL
A7 18RD/BK
UNDERHOOD LAMP (8W-44-4)
A7 14RD BK
C141
DOME/ READING LAMP (8W-44-6)
RIGHT COURTESY LAMP (8W-44-5)
SPLICE S220 (8W-70-20)
RADIO (8W-47-2)
TIME DELAY RELAY (8W-44-4)
M1 18PK
M1 20PK
C209
M1 20PK
M1 20PK
M1 20PK
M1 18PK
M1 20PK
M1 20PK
S209
8W-70-15
M1 20PK

J958W-13

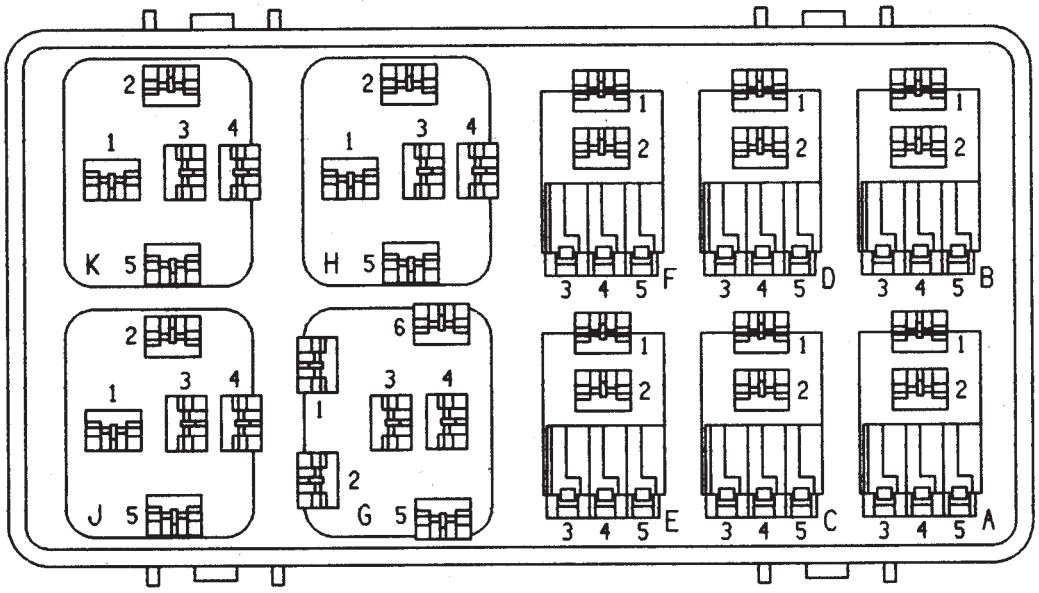

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 1 60A
FUSE 9 60A
POWER DISTRIBUTION CENTER
C145
S123
8W-70-10
A11 10BK/GY
A11 8BK/GY
A11 10BK/GY
A7 12RD/YL
A7 12RD/YL
C201
5
6
7
8
1 30A
FUSE BLOCK
C201
W/ABS
C247
A11 12RD
A11 12BK/GY
A11 12BK/GY
W/O ABS
C313
A11 14RD
A11 14BK/GY
S303
8W-70-24
BLACK
S315
8W-70-28
TRAILER TOW ONLY
A11 14RD
(1) C356
10A
IN-LINE CIRCUIT BREAKER
(2) C356
A11 18RD BK
A11 14RD
A11 12BK GY
C308
A11 12BK GY
A11 8BK WT
TRAILER TOW CONNECTOR (8W-54-2)
STOP LAMP RELAY (8W-54-3)
POWER SEAT SWITCH (8W-63-2)
GENERATOR (8W-20-2)

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 4 20A
FUSE 12 10A
C145
A1 10RD
L9 18BK WT
A21 12DB
C139
S121
8W-70-9
A1 12RD
L9 16BK WT
A21 12DB
T17 18YL
T17 18YL
L9 16BK/WT
S214
8W-70-17
TURN SIGNAL RELAY (8W-52-2)
STOP LAMP SWITCH (8W-51-3)
C140
C141
A1 12RD
A21 12YL
T17 20YL
S205
8W-70-13
TRANSMISSION COMFORT SWITCH (8W-31-2)
IGNITION SWITCH
C230
C115
ACC
OFF
RUN
START
C230
(4)
(2)
A21 12YL
D16 FUSED B(+)
TRANSMISSION CONTROL MODULE
J958W-13

RELAY CENTER

C241



POWER DOOR LOCK RELAY (8W-61-3)

CAV	CIRCUIT	FUNCTION
A1	P2 18BK/WT	DOOR LOCK RELAY OUTPUT
A2	P37 18LG	FUSED B(+)
A2	P37 18LG	FUSED B(+)
A3	P35 20OR/VT	DOOR LOCK SWITCH OUTPUT (LOCK)
A4	Z1 18BK	GROUND
A4	Z1 18BK	GROUND
A5	Z1 18BK	GROUND
A5	Z1 18BK	GROUND
A5	Z1 18BK	GROUND

POWER DOOR UNLOCK RELAY (8W-61-3)

CAV	CIRCUIT	FUNCTION
B1	P34 18PK/BK	DOOR UNLOCK RELAY OUTPUT
B2	P37 18LG	FUSED B(+)
B3	P36 20PK/VT	DOOR LOCK SWITCH OUTPUT (UNLOCK)
B4	Z1 18BK	GROUND
B4	Z1 18BK	GROUND
B5	Z1 18BK	GROUND
B5	Z1 18BK	GROUND (W/O ABS)

LCD ILLUMINATION RELAY (8W-47-3)

CAV	CIRCUIT	FUNCTION
C1	X5 18LB/RD	RADIO RELAY OUTPUT
C2	E2 200R/BK	PANEL LAMPS DRIVER
C3	Z1 20BK	GROUND
C4	F85 18VT/WT	FUSED IGNITION SWITCH OUTPUT (ACC/RUN)
C5	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
C5	L90 18DB/RD	PARK LAMP SWITCH OUTPUT

DIMMING RELAY (8W-50-8) (ABS ONLY)

CAV	CIRCUIT	FUNCTION
D1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
D2	A38 12OR	FUSED B(+)
D3	L170 20BR	DIMMING RELAY CONTROL
D4	—	—
D5	Z1 18BK	GROUND
D5	Z1 18BK	GROUND

HEADLAMP RELAY (8W-50-9) (ABS ONLY)

CAV	CIRCUIT	FUNCTION
E1	F34 12TN/BK	HEADLAMP SWITCH OUTPUT
E2	F39 12PK/LG	HEADLAMP RELAY OUTPUT
E3	F34 12TN/BK	HEADLAMP SWITCH OUTPUT
E4	—	—
E5	Z1 18BK	GROUND
E5	Z1 18BK	GROUND

HORN RELAY (8W-41-2)

CAV	CIRCUIT	FUNCTION
F1	X4 16GY/OR	FUSED B(+)
F2	X2 16DG/RD	HORN RELAY OUTPUT
F3	X3 20BK/RD	HORN RELAY CONTROL
F4	—	—
F5	X4 16GY/OR	FUSED B(+)
F5	X4 16GY/OR	FUSED B(+)

POWER ANTENNA RELAY (8W-47-6) (ABS ONLY)

CAV	CIRCUIT	FUNCTION
G1	Z1 18BK	GROUND
G1	Z1 18BK	GROUND
G2	F60 18RD/WT	FUSED B(+)
G3	X60 18DG/RD	RADIO 12V OUTPUT
G4	X13 18BK/RD	ANTENNA B(+) UP
G5	X14 18WT/GY	ANTENNA B(+) DOWN
G5	X17 18GY/BK	POWER ANTENNA (GROUND)

HEATED REAR WINDOW RELAY (8W-48-2)

CAV	CIRCUIT	FUNCTION
H1	C15 12BK/WT	HEATED REAR WINDOW RELAY OUTPUT
H2	Z1 18BK	GROUND
H2	Z1 18BK	GROUND
H3	C80 18DB/WT	HEATED REAR WINDOW SWITCH
H4	F82 12WT	FUSED IGNITION SWITCH OUTPUT
H5	F83 18YL/DG	FUSED IGNITION SWITCH OUTPUT

TURN SIGNAL RELAY (8W-52-2)

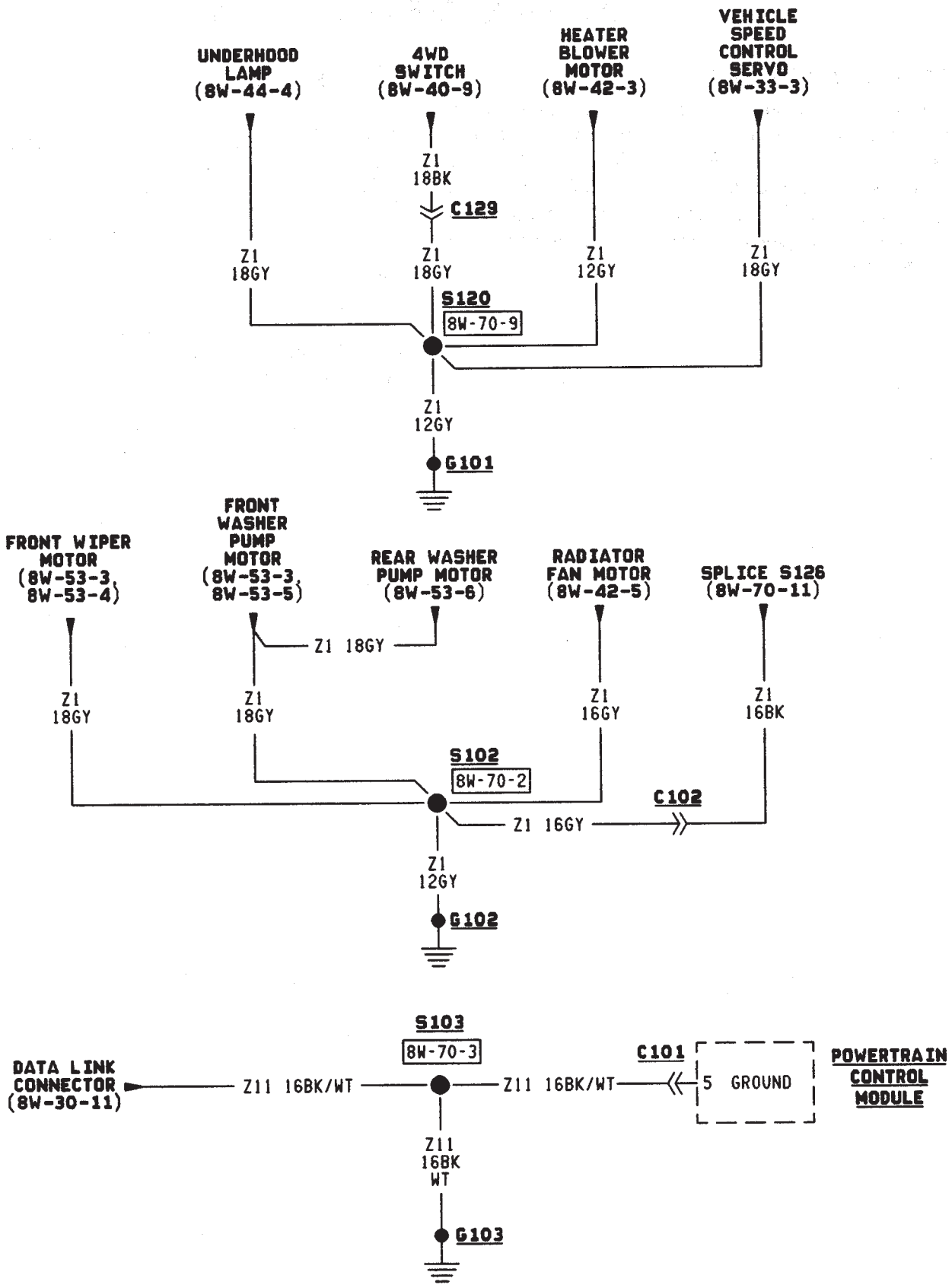
CAV	CIRCUIT	FUNCTION
J1	A21 12YL	IGNITION SWITCH OUTPUT (RUN/START)
J2	L9 16PK/BK	FUSED B(+)
J2	L9 16PK/BK	FUSED B(+)
J3	L12 18VT/TN	HAZARD FLASHER OUTPUT
J3	L12 18VT/TN	HAZARD FLASHER OUTPUT
J4	L5 18BK/WT	TURN SIGNAL RELAY OUTPUT
J5	Z1 18BK	GROUND
J5	Z1 18BK	GROUND

GROUND DISTRIBUTION

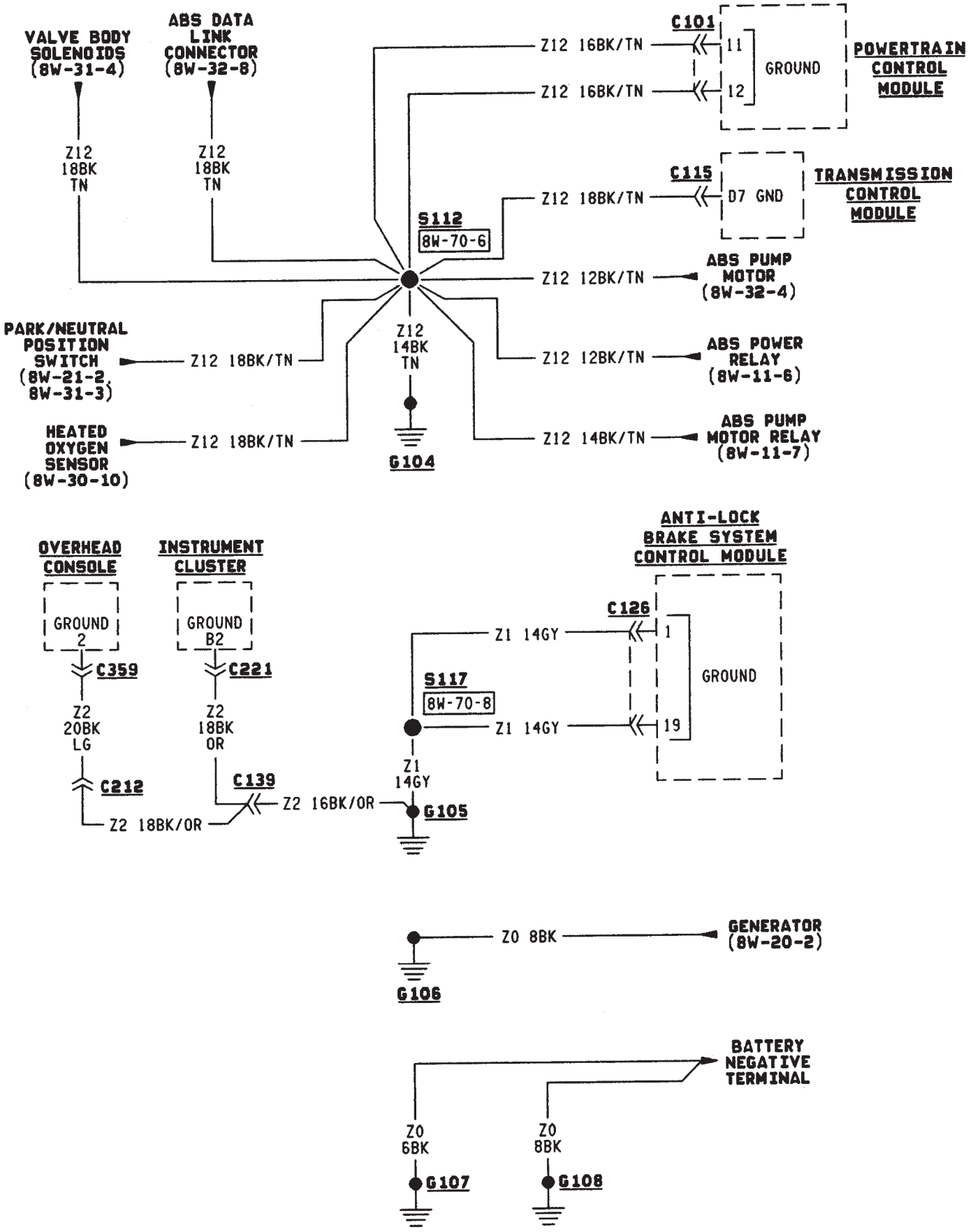
GENERAL INFORMATION

This section identifies the vehicle grounds, splices connected to each ground, and the components connected to each ground. Refer to the appropriate section of the wiring diagrams for circuit descriptions of specific systems. Refer to sub-section 8W-90 for illustrations of the physical location of each ground on the vehicle.

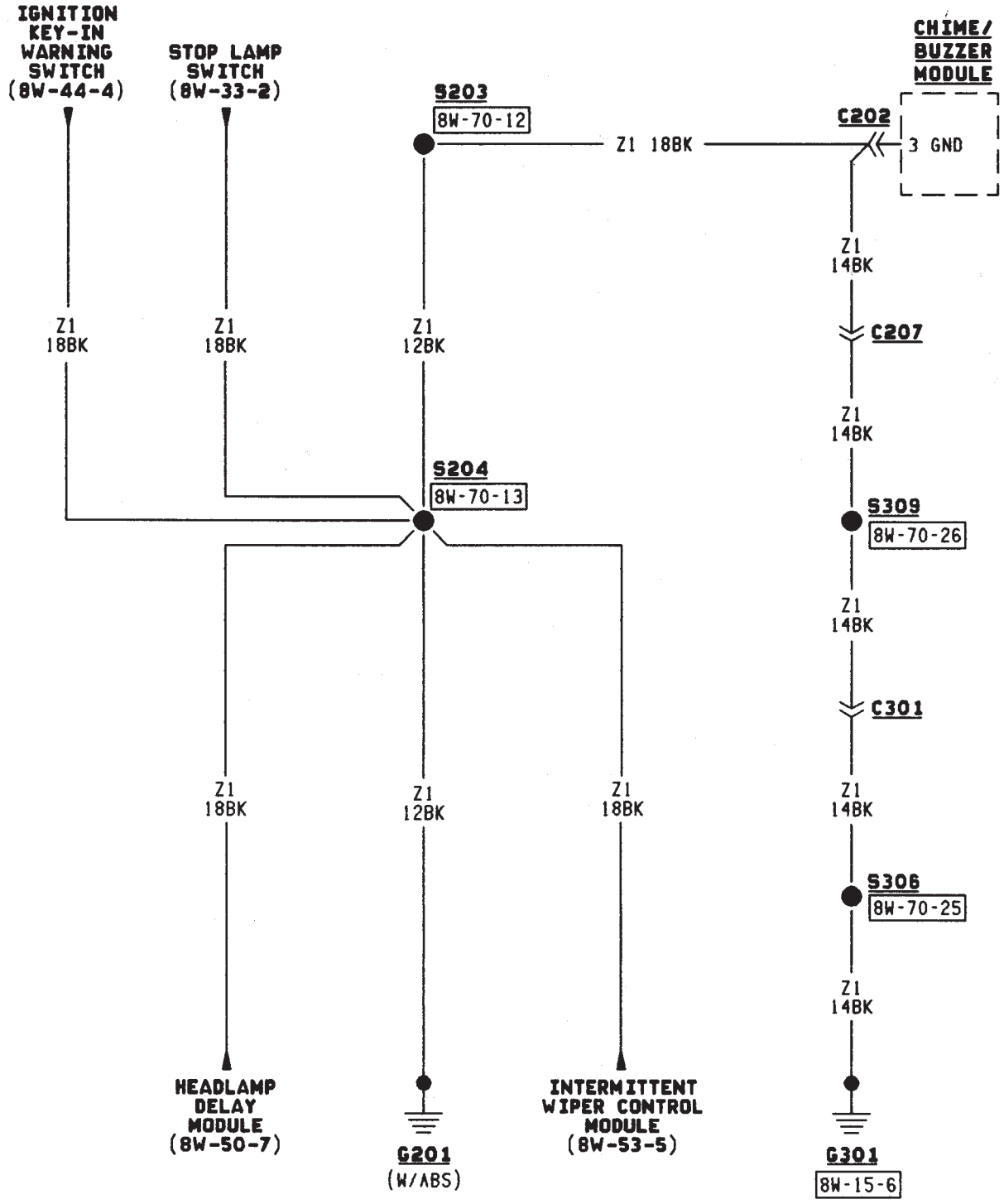
DIAGRAM INDEX


UNDERHOOD LAMP (8W-44-4)
4WD SWITCH (8W-40-9)
HEATER BLOWER MOTOR (8W-42-3)
VEHICLE SPEED CONTROL SERVO (8W-33-3)
Z1 18BK
C129
Z1 18GY
Z1 18GY
Z1 12GY
Z1 18GY
S120
8W-70-9
Z1 12GY
G101
FRONT WIPER MOTOR (8W-53-3, 8W-53-4)
FRONT WASHER PUMP MOTOR (8W-53-3, 8W-53-5)
REAR WASHER PUMP MOTOR (8W-53-6)
RADIATOR FAN MOTOR (8W-42-5)
SPLICE S126 (8W-70-11)
Z1 18GY
Z1 18GY
Z1 18GY
Z1 16GY
Z1 16BK
S102
8W-70-2
C102
Z1 16GY
Z1 12GY
G102
S103
8W-70-3
C101
DATA LINK CONNECTOR (8W-30-11)
Z11 16BK/WT
Z11 16BK/WT
5 GROUND
POWERTRAIN CONTROL MODULE
Z11 16BK WT
G103

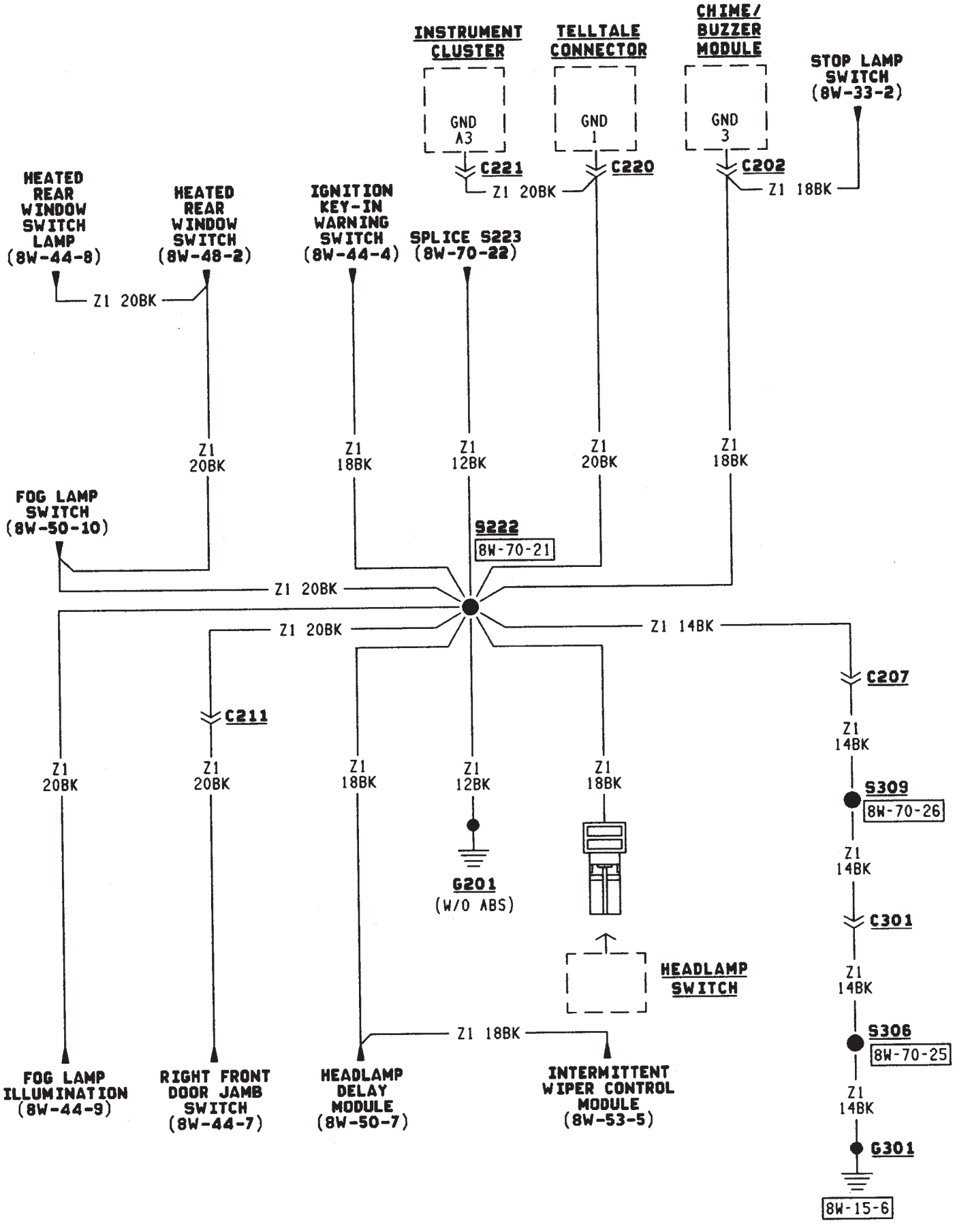
J958W-13


VALVE BODY SOLENOIDS (8W-31-4)
ABS DATA LINK CONNECTOR (8W-32-8)
Z12 18BK TN
Z12 18BK TN
C101
Z12 16BK/TN
11
GROUND
POWERTRAIN CONTROL MODULE
Z12 16BK/TN
12
C115
Z12 18BK/TN
D7 GND
TRANSMISSION CONTROL MODULE
S112
8W-70-6
Z12 12BK/TN
ABS PUMP MOTOR (8W-32-4)
PARK/NEUTRAL POSITION SWITCH (8W-21-2, 8W-31-3)
Z12 18BK/TN
Z12 14BK TN
Z12 12BK/TN
ABS POWER RELAY (8W-11-6)
HEATED OXYGEN SENSOR (8W-30-10)
Z12 18BK/TN
Z12 14BK/TN
ABS PUMP MOTOR RELAY (8W-11-7)
G104
OVERHEAD CONSOLE
INSTRUMENT CLUSTER
ANTI-LOCK BRAKE SYSTEM CONTROL MODULE
GROUND 2
GROUND B2
C126
Z1 14GY
1
GROUND
C359
C221
S117
8W-70-8
Z1 14GY
19
Z2 20BK LG
Z2 18BK OR
Z1 14GY
C212
C139
Z2 16BK/OR
G105
Z2 18BK/OR
Z0 8BK
GENERATOR (8W-20-2)
G106
BATTERY NEGATIVE TERMINAL
Z0 6BK
Z0 8BK
G107
G108

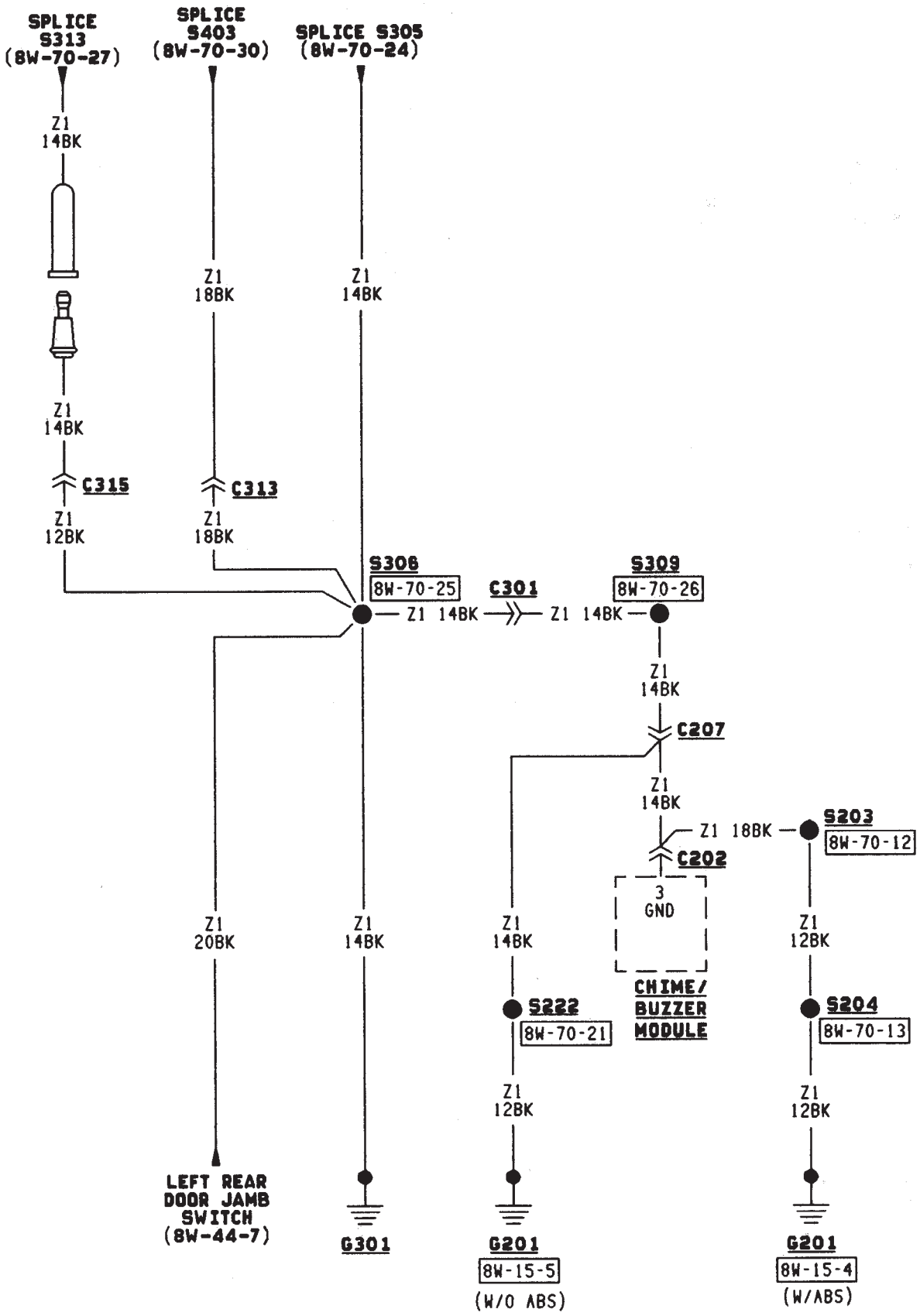
J958W-13


IGNITION KEY-IN WARNING SWITCH (8W-44-4)
STOP LAMP SWITCH (8W-33-2)
S203
8W-70-12
Z1 18BK
C202
3 GND
CHIME/ BUZZER MODULE
Z1 14BK
C207
Z1 14BK
S309
8W-70-26
Z1 14BK
C301
Z1 14BK
S306
8W-70-25
Z1 14BK
Z1 18BK
Z1 18BK
Z1 12BK
S204
8W-70-13
Z1 18BK
Z1 12BK
Z1 18BK
HEADLAMP DELAY MODULE (8W-50-7)
G201
(W/ABS)
INTERMITTENT WIPER CONTROL MODULE (8W-53-5)
G301
8W-15-6

J958W-13


INSTRUMENT CLUSTER
GND A3
C221
TELLTALE CONNECTOR
GND 1
C220
CHIME/ BUZZER MODULE
GND 3
C202
STOP LAMP SWITCH (8W-33-2)
Z1 18BK
Z1 20BK
HEATED REAR WINDOW SWITCH LAMP (8W-44-8)
HEATED REAR WINDOW SWITCH (8W-48-2)
IGNITION KEY-IN WARNING SWITCH (8W-44-4)
SPLICE S223 (8W-70-22)
Z1 20BK
Z1 18BK
Z1 12BK
Z1 20BK
Z1 18BK
FOG LAMP SWITCH (8W-50-10)
S222
8W-70-21
Z1 20BK
Z1 20BK
Z1 14BK
C211
C207
Z1 20BK
Z1 20BK
Z1 18BK
Z1 12BK
Z1 18BK
Z1 14BK
S309
8W-70-26
G201
(W/O ABS)
Z1 14BK
C301
HEADLAMP SWITCH
Z1 14BK
S306
8W-70-25
Z1 18BK
Z1 14BK
G301
8W-15-6
FOG LAMP ILLUMINATION (8W-44-9)
RIGHT FRONT DOOR JAMB SWITCH (8W-44-7)
HEADLAMP DELAY MODULE (8W-50-7)
INTERMITTENT WIPER CONTROL MODULE (8W-53-5)

J958W-13


SPLICE S313 (8W-70-27)
SPLICE S403 (8W-70-30)
SPLICE S305 (8W-70-24)
Z1 14BK
Z1 18BK
Z1 14BK
Z1 14BK
C315
C313
Z1 12BK
Z1 18BK
S308
8W-70-25
C301
S309
8W-70-26
Z1 14BK
Z1 14BK
Z1 14BK
C207
Z1 14BK
Z1 18BK
S203
8W-70-12
C202
3 GND
Z1 20BK
Z1 14BK
Z1 14BK
Z1 12BK
CHIME/ BUZZER MODULE
S222
8W-70-21
S204
8W-70-13
Z1 12BK
Z1 12BK
LEFT REAR DOOR JAMB SWITCH (8W-44-7)
G301
G201
8W-15-5
(W/O ABS)
G201
8W-15-4
(W/ABS)

J958W-13

CHARGING SYSTEM

CHARGING SYSTEM

The charging system is an integral part of the battery and starting systems. Because all these systems work in conjunction, diagnose and test them together.

Circuit A11 connects to the generator output terminal and splices to fuse 1 and fuse 9 in the Power Distribution Center (PDC). Circuit A0 connects the battery to the PDC. Circuit Z0 provides ground for the generator.

When the ignition switch is in either the START or RUN positions, it connects circuit A1 from fuse 6 in the PDC to circuit A21. Circuit A21 splices to supply current to the coil side of the Automatic Shut Down (ASD) relay. The Powertrain Control Module (PCM) provides ground for the relay on circuit K51. Circuit K51 connects to cavity 51 of the PCM.

When the PCM grounds the ASD relay, contacts inside the relay close and connect circuit A18 from fuse 14 in the PDC to circuit A142. Circuit A142 splices to the generator field terminal.

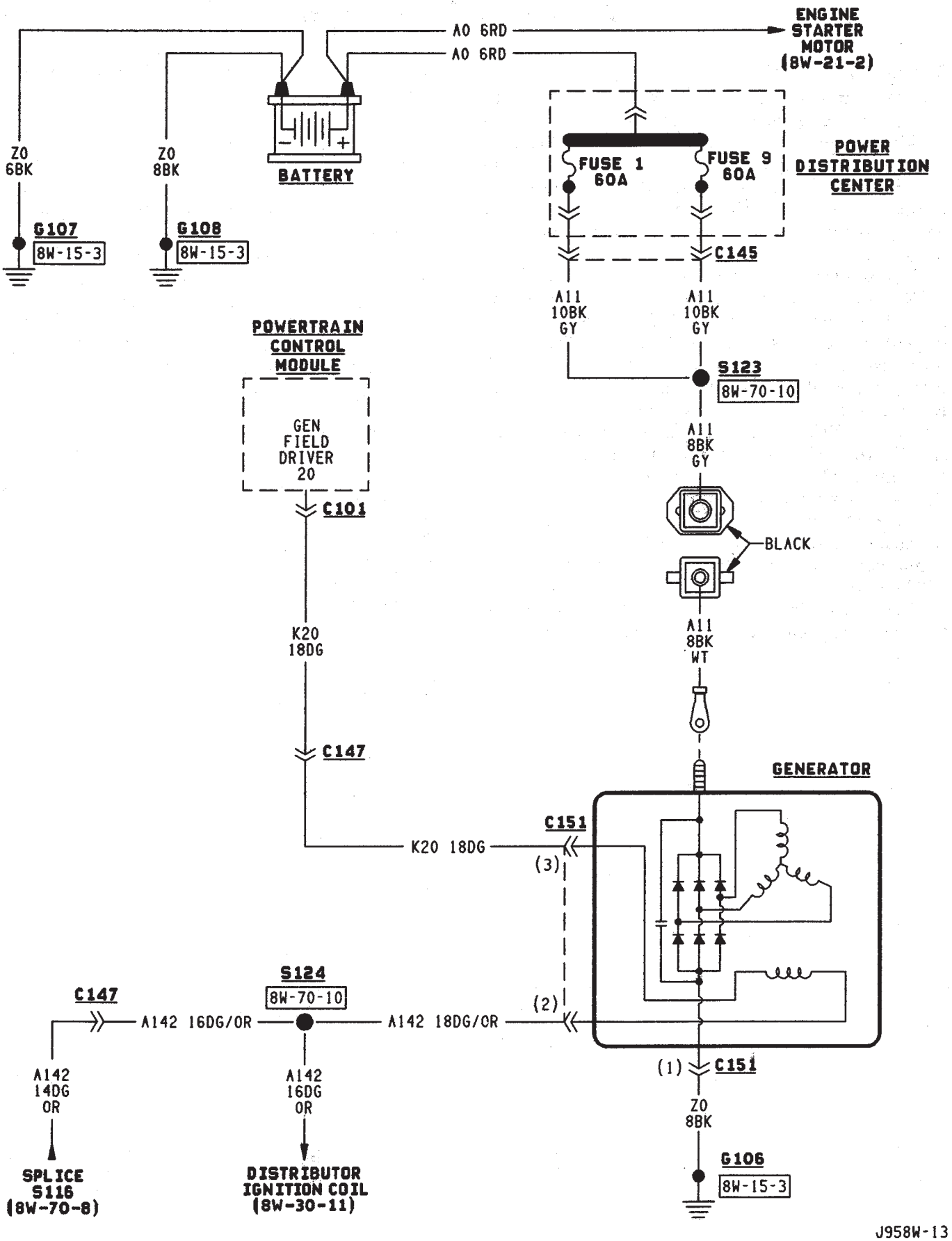
The PCM has an internal voltage regulator that controls generator output. The PCM controls the generator field on circuit K20. Circuit K20 connects to PCM cavity 20.

When the engine operates and there is current in the generator field, the generator produces a B+ voltage. The generator supplies B+ voltage to the battery through the A11 and A0 circuits.

HELPFUL INFORMATION

- Circuit A14 from fuse 2 in the PDC supplies voltage to PDC fuse 14.
- The ignition switch also connects circuit A1 with circuits A41, A38, and A48.
- Circuit A21 also powers the coil side of the fuel pump relay.
- The ASD relay supplies battery voltage for the fuel injectors, ignition coil, and the heated oxygen sensor. The fuel pump relay powers the fuel pump module.
- Circuit K51 also provides ground for the coil side of the fuel pump relay.

DIAGRAM INDEX


A0 6RD
A0 6RD
ENGINE STARTER MOTOR (8W-21-2)
Z0 6BK
Z0 8BK
BATTERY
FUSE 1 60A
FUSE 9 60A
POWER DISTRIBUTION CENTER
G107
8W-15-3
G108
8W-15-3
C145
A11 10BK GY
A11 10BK GY
POWERTRAIN CONTROL MODULE
GEN FIELD DRIVER 20
S123
8W-70-10
A11 8BK GY
C101
BLACK
K20 18DG
A11 8BK WT
C147
GENERATOR
C151
K20 18DG
(3)
S124
8W-70-10
C147
A142 16DG/OR
A142 18DG/OR
(2)
A142 14DG OR
A142 16DG OR
(1)
C151
Z0 8BK
G106
8W-15-3
SPLICE S116 (8W-70-8)
DISTRIBUTOR IGNITION COIL (8W-30-11)

J958W-13

STARTING SYSTEM

STARTING SYSTEM

Circuit A0 from the battery is double crimped at the positive battery post. One branch of circuit A0 (battery positive cable) connects to the engine starter motor. The other A0 branch supplies voltage to the bus bar in the power distribution center (PDC).

Fuse 7 in the PDC supplies battery voltage to the contact side of the engine starter motor relay on circuit A4. When the coil side of the engine starter motor relay energizes, the contacts close and connect circuit A4 to circuit T40. Circuit T40 supplies battery voltage to the starter motor solenoid.

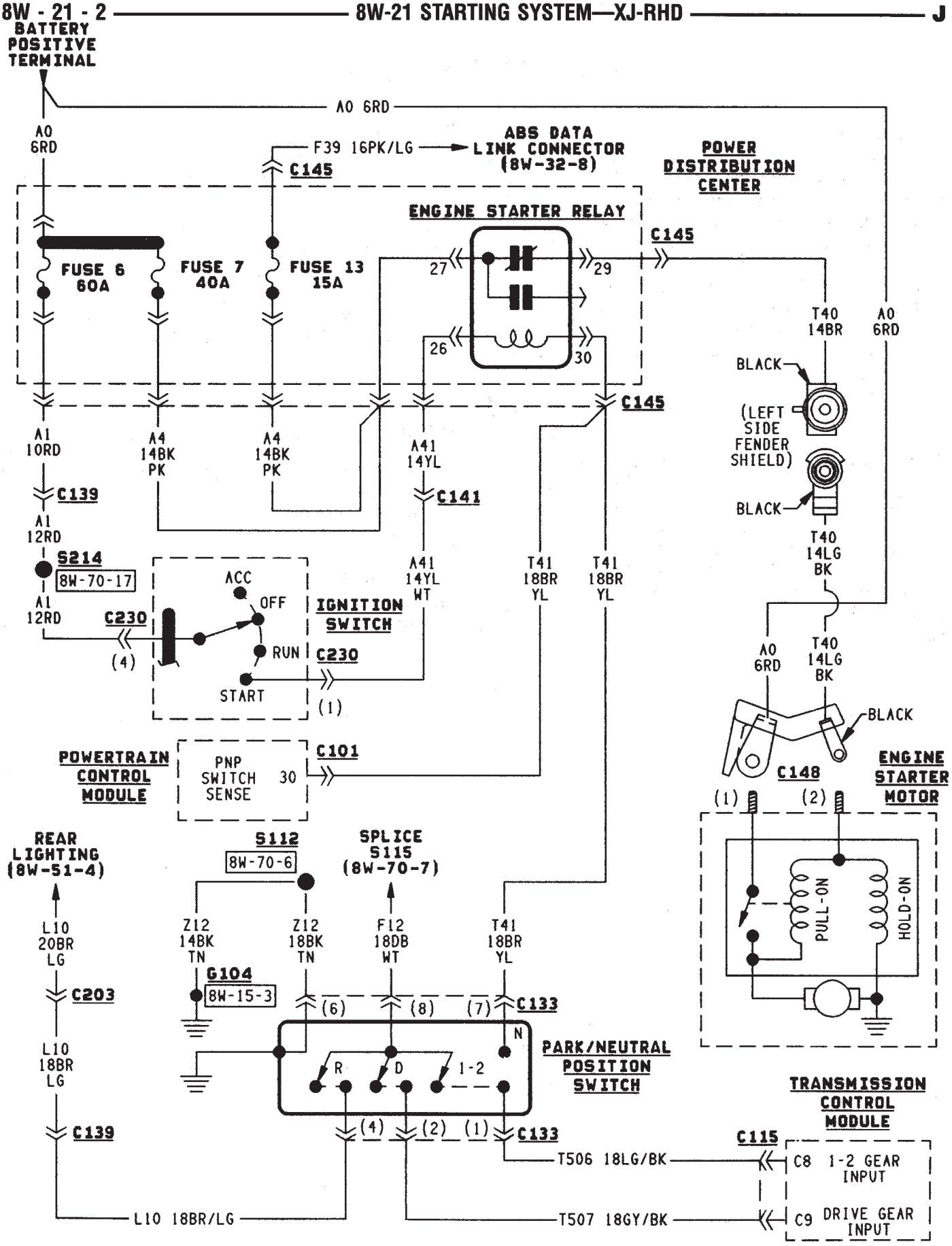
The ignition switch supplies battery voltage to the coil side of the starter motor relay on circuit A41 when the key is moved to the START position. Ground for the coil side of the starter motor relay is supplied by the case grounded Park/Neutral position switch. Circuit T41 connects the coil side of the relay to the Park/Neutral position switch.

When the starter motor relay energizes and the contacts close, circuit T40 supplies battery voltage to the starter motor solenoid. Circuit A0 from the battery supplies voltage to the starter motor when the solenoid energizes.

HELPFUL INFORMATION

- The Park/Neutral switch closes when the transmission is in either the PARK or NEUTRAL positions.
- Circuit T41 also connects to cavity 30 of the Powertrain Control Module (PCM). This input tells the PCM the operator is starting the vehicle.
- Circuit A4 is double crimped at the contact side of the starter motor relay. The A4 branch leaving the relay powers fuse 13 in the PDC.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
F39 16PK/LG
ABS DATA LINK CONNECTOR (8W-32-8)
C145
POWER DISTRIBUTION CENTER
ENGINE STARTER RELAY
FUSE 6 60A
FUSE 7 40A
FUSE 13 15A
27
29
26
30
A1 10RD
A4 14BK PK
A4 14BK PK
A41 14YL
C139
C141
A1 12RD
S214
8W-70-17
C230
(4)
ACC
OFF
RUN
START
IGNITION SWITCH
A41 14YL WT
C230
(1)
T41 18BR YL
T41 18BR YL
T40 14BR
A0 6RD
BLACK
(LEFT SIDE FENDER SHIELD)
BLACK
T40 14LG BK
A0 6RD
T40 14LG BK
BLACK
C148
ENGINE STARTER MOTOR
(1)
(2)
PULL-IN
HOLD-IN
POWERTRAIN CONTROL MODULE
PNP SWITCH SENSE
30
C101
REAR LIGHTING (8W-51-4)
S112
8W-70-6
SPLICE S115 (8W-70-7)
L10 20BR LG
C203
Z12 14BK TN
Z12 18BK TN
F12 18DB WT
T41 18BR YL
G104
8W-15-3
(6)
(8)
(7)
C133
N
R
D
1-2
PARK/NEUTRAL POSITION SWITCH
L10 18BR LG
C139
(4)
(2)
(1)
C133
TRANSMISSION CONTROL MODULE
C115
C8 1-2 GEAR INPUT
C9 DRIVE GEAR INPUT
T506 18LG/BK
T507 18GY/BK
L10 18BR/LG
J958W-13

FUEL/IGNITION

INDEX

IGNITION SWITCH

Circuit A1 from fuse 11 in the power distribution center (PDC), supplies battery voltage to the ignition switch. Depending upon position, the ignition switch powers circuits A21, A38, A41, or A48.

START POSITION

In the START position, the ignition switch connects circuit A1 to circuit A41. Circuit A41 connects to the coil side of the starter motor relay.

Additionally in the START position, the case grounded ignition switch provides ground for the brake lamp switch and the warning lamps in the instrument cluster.

START OR RUN POSITION

In the START or RUN position, the ignition switch connects circuit A1 to circuit A21. Circuit A21 splices to power the coil side of the Automatic Shut Down (ASD) relay and the fuel pump relay.

RUN (ONLY) POSITION

When the ignition switch is in the RUN position, it connects circuit A1 to circuit A38. Circuit A38 feeds circuit L39.

ACCESSORY OR RUN POSITIONS

In the ACCESSORY or RUN positions, the ignition switch connects circuit A1 to circuit A48. Circuit A48 connects to a bus bar in the fuse block.

AUTOMATIC SHUT DOWN (ASD) RELAY

When the ignition switch is in either the START or RUN positions, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 supplies battery voltage to the coil side of the Automatic Shut Down (ASD) relay. The Powertrain Control Module (PCM) provides ground for the relay on circuit K51. Circuit K51 connects to cavity 51 of the PCM.

When the PCM grounds the ASD relay, contacts inside the relay close and connect circuit A18 from fuse 14 in the PDC to circuit A142. Circuit A142 splices to the generator field terminal, fuel injectors, and ignition coil. Circuit A142 also connects to cavity 57 of the PCM.

HELPFUL INFORMATION

- Along with supplying voltage to the coil side of the ASD relay, circuit A21 also supplies voltage to the coil side of the fuel pump relay.
- Circuit A21 also connects to cavity 9 of the PCM.

BATTERY FEED

Circuit A14 from fuse 2 in the power distribution center supplies battery voltage to cavity 3 of the Powertrain Control Module (PCM).

HELPFUL INFORMATION

Circuit A14 also supplies power to the contact sides of the fuel pump relay and fuse F2 in the PDC. Fuse F2 powers circuit A18 which supplies voltage to the contact side of the automatic shut down relay.

IGNITION FEED

When the ignition switch is in either the START or RUN positions, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 also connects to cavity 9 of the PCM and provides the ignition input.

FUEL INJECTORS

When the Automatic Shut Down (ASD) relay contacts close, they connect circuits A18 and A142. Cir-

cuit A142 supplies voltage to the fuel injectors. Each injector has a separate ground circuit controlled by the PCM.

Circuit K11 provides ground for injector number one. The K11 circuit connects to cavity 16 of the PCM.

Circuit K12 provides ground for injector number two. The K12 circuit connects to cavity 15 of the PCM.

Circuit K13 provides ground for injector number three. The K13 circuit connects to cavity 14 of the PCM.

Circuit K14 provides ground for injector number four. The K14 circuit connects to cavity 13 of the PCM.

Circuit K15 provides ground for injector number five. The K15 circuit connects to cavity 38 of the PCM.

Circuit K16 provides ground for injector number six. The K16 circuit connects to cavity 58 of the PCM.

HELPFUL INFORMATION

- Circuit A142 splices to supply voltage to the fuel injectors, ignition coil, PCM, generator.
- For information about fuel injector operation, refer to Group 14.

IGNITION COIL

When the Automatic Shut Down (ASD) relay contacts close, they connect circuits A18 and A142. Circuit A142 splices to supply voltage to the ignition coil. The PCM controls the ground path for the ignition coil on circuit K19. Circuit K19 connects to cavity 19 of the PCM.

HELPFUL INFORMATION

Circuit A142 splices to supply voltage to the fuel injectors, ignition coil, PCM, and generator.

FUEL PUMP RELAY

When the ignition switch is in either the START or RUN positions, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 supplies battery voltage to the coil side of the fuel pump relay. The Powertrain Control Module (PCM) provides ground for the relay on circuit K51. Circuit K51 connects to cavity 51 of the PCM.

When the PCM grounds the fuel pump relay, contacts inside the relay close and connect circuit A14 from fuse 14 in the PDC to circuit A141. Circuit A141 connects to circuit A241. Circuit A241 supplies voltage to the fuel pump motor (part of the in-tank fuel pump module).

HELPFUL INFORMATION

- Circuit A14 also splices to supply battery voltage to cavity 3 of the PCM.
- Circuit A141 also supplies battery voltage to the heated oxygen sensor.

FUEL PUMP MODULE

FUEL PUMP MOTOR

When the fuel pump relay contacts close, the relay supplies voltage to the fuel pump motor. Circuit A141 from the relay supplies voltage to circuit A241. Circuit A241 connects to circuit F9 in the fuel pump motor. Circuit Z1 provides ground for the fuel pump motor.

FUEL LEVEL SENSOR

The fuel level sensor is a variable resistor. Circuit G4 connects the fuel level sensor to the fuel gauge in the instrument cluster. Circuit F87 from fuse 26 in the fuse block supplies voltage to the fuel gauge. The fuel level sensor draws voltage from circuit F87 through the fuel gauge on circuit G4. Circuit G4 connects to the fuel level sensor.

Circuit Z1 provides the ground path for the fuel level sensor.

HELPFUL INFORMATION

As current flows through the coils in the fuel gauge, it creates a magnetic field. One of the coils in the gauge receives fixed current. The other coil is connected to the level sensor. The magnetic field controls the position of the fuel gauge pointer.

The fuel level sensor contains a variable resistor. As the position of the float arm on the fuel level sensor changes, the resistor changes the current flow through second coil in the fuel gauge. A change in current flow alters the magnetic field in the fuel gauge, which changes the pointer position.

IDLE AIR CONTROL (IAC) MOTOR

The Powertrain Control Module (PCM) operates the idle air control motor through 4 circuits - K39, K40, K59, and K60. Each circuit connects to separate cavities in the PCM connector.

- Circuit K39 connects to cavity 39 of the PCM
- Circuit K40 connects to cavity 40 of the PCM
- Circuit K59 connects to cavity 59 of the PCM
- Circuit K60 connects to cavity 60 of the PCM

VEHICLE SPEED SENSOR

Circuit K7 supplies 8 volts from the Powertrain Control Module (PCM) to the vehicle speed sensor. The K7 circuit connects to cavity 7 of the PCM.

Circuit G7 from the vehicle speed sensor provides an input signal to the PCM. The G7 circuit connects to cavity 47 of the PCM.

The PCM provides a ground for the vehicle speed sensor signal (circuit G7) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION
- Circuit G7 splices to the speedometer.
- Circuit K7 splices to supply 8 volts to the camshaft position sensor and crankshaft position sensor.

Circuit K4 splices to supply ground for the signals from the following:
- Heated oxygen sensor
- Camshaft position sensor
- Crankshaft position sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Intake air temperature sensor

HEATED OXYGEN SENSOR

When the fuel pump relay contacts close, they connect circuits A14 and A141. Circuit A141 splices to supply voltage to the heated oxygen sensor.

Circuit K41 delivers the signal from the heated oxygen sensor to the PCM. Circuit K41 connects to cavity 41 of the PCM.

The PCM provides a ground for the heated oxygen sensor signal (circuit K41) through circuit K4. Circuit K4 connects to cavity 4 of the PCM connector.

Circuit Z12 provides a ground for the heater circuit in the sensor.

HELPFUL INFORMATION
- Circuit A141 also supplies battery voltage to the fuel pump.

Circuit K4 splices to supply ground for the signals from the following:
- Camshaft position sensor
- Crankshaft position sensor
- Intake air temperature sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

CAMSHAFT POSITION SENSOR

The Powertrain Control Module (PCM) supplies 8 volts to the camshaft position sensor (in distributor) on circuit K7. Circuit K7 connects to cavity 7 of the PCM.

The PCM receives the camshaft position sensor signal on circuit K44. Circuit K44 connects to cavity 44 of the PCM.

The PCM provides a ground for the camshaft position sensor signal (circuit K44) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION
- Circuit K7 splices to supply 8 volts to the crankshaft position sensor and the vehicle speed sensor.

Circuit K4 splices to supply ground for the signals from the following:
- Heated oxygen sensor
- Crankshaft position sensor
- Intake air temperature sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

CRANKSHAFT POSITION SENSOR

The Powertrain Control Module (PCM) supplies 8 volts to the crankshaft position sensor on circuit K7. Circuit K7 connects to cavity 7 of the PCM.

The PCM receives the crankshaft position sensor signal on circuit K24. Circuit K24 connects to cavity 24 of the PCM.

The PCM provides a ground for the crankshaft position sensor (circuit K24) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION
- Circuit K7 splices to supply 8 volts to the camshaft position sensor and the vehicle speed sensor.

Circuit K4 splices to supply ground for the signals from the following:
- Heated oxygen sensor
- Camshaft position sensor
- Intake air temperature sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

ENGINE COOLANT TEMPERATURE SENSOR

The engine coolant temperature sensor provides an input to the

Powertrain Control Module (PCM) on circuit K2. From circuit K2, the engine coolant temperature sensor draws up to 5 volts from the PCM. The sensor is a variable resistor. As coolant temperature changes, the resistance in the sensor changes, causing a change in current draw. The K2 circuit connects to cavity 2 of the PCM.

The PCM provides a ground for the engine coolant temperature sensor signal (circuit K2) through circuit K4. Circuit K4 connects to cavity 4 of the PCM connector.

HELPFUL INFORMATION

Circuit K4 splices to supply ground for the signals from the following:
- Heated oxygen sensor
- Camshaft position sensor
- Crankshaft position sensor
- Intake air temperature sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Vehicle speed sensor

THROTTLE POSITION SENSOR

From the Powertrain Control Module (PCM), circuit K6 supplies 5 volts to the throttle position sensor (TPS). Circuit K6 connects to cavity 6 of the PCM.

Circuit K22 delivers the TPS signal to the PCM. Circuit K22 connects to cavity 22 of the PCM.

The PCM provides a ground for the throttle position sensor signal (circuit K22) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION

Refer to Group 14 for throttle position sensor operation.

Circuit K6 splices to supply 5 volts to the manifold absolute pressure sensor.

Circuit K22 splices to the transmission control module.

Circuit K4 splices to supply ground for the signals from the following:

- Heated oxygen sensor
- Camshaft position sensor
- Crankshaft position sensor
- Intake air temperature sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

MANIFOLD ABSOLUTE PRESSURE SENSOR

From the Powertrain Control Module (PCM), circuit K6 supplies 5 volts to the manifold absolute pressure (MAP) sensor. Circuit K6 connects to cavity 6 of the PCM.

Circuit K1 delivers the MAP signal to the PCM. Circuit K1 connects to cavity 1 of the PCM.

The PCM provides a ground for the MAP sensor signal (circuit K1) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION

Refer to Group 14 for MAP sensor operation.

Circuit K6 splices to supply 5 volts to the throttle position sensor.

Circuit K4 splices to supply ground for the signals from the following:

- Heated oxygen sensor
- Camshaft position sensor
- Crankshaft position sensor
- Intake air temperature sensor
- Throttle position sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

INTAKE AIR TEMPERATURE SENSOR

The intake air temperature sensor provides an input to the Powertrain Control Module (PCM) on circuit K21. Circuit K21 connects to cavity 21 of the PCM.

From circuit K21, the intake air temperature sensor draws voltage from the PCM. The sensor is a variable resistor. As intake air temperature changes, the resistance in the sensor changes, causing a change in current draw.

The PCM provides a ground for the intake air temperature sensor signal (circuit K21) through circuit K4. Circuit K4 connects to cavity 4 of the PCM.

HELPFUL INFORMATION

Circuit K4 splices to supply ground for the signals from the following:

- Heated oxygen sensor
- Camshaft position sensor
- Crankshaft position sensor
- Throttle position sensor
- Manifold absolute pressure sensor
- Engine coolant temperature sensor
- Vehicle speed sensor

PARK/NEUTRAL POSITION SWITCH

When closed, the case-grounded park/neutral position switch provides a ground path on circuit T41 for the coil side of the starter motor relay. Circuit A41 from the ignition switch provides battery voltage to the coil side of the relay.

Circuit T41 splices to cavity 30 of the PCM. The park/neutral position switch provides an input to the Powertrain Control Module (PCM).

TACHOMETER SIGNAL

The PCM supplies the signal for the tachometer on circuit G21. Circuit G21 connects to cavity 43 of the PCM.

MALFUNCTION INDICATOR LAMP (MIL)

The Powertrain Control Module (PCM) provides ground for the instrument cluster malfunction indicator lamp on circuit G3. The MIL displays the message CHECK ENGINE when illuminated. Circuit F87 provides voltage for the lamp. Circuit G3 connects to cavity 32 of the PCM.

DATA LINK CONNECTOR

Circuit F12 supplies battery voltage to the data link connector. Circuit F12 originates at fuse 11 in the Power Distribution Center.

Circuit D20 connects to cavity 45 of the PCM. Circuit D20 is the SCI receive circuit for the PCM.

Circuit D21 connects to cavity 25 of the PCM. Circuit D21 is the SCI transmit circuit for the PCM.

Circuit Z11 provides ground for the data link connector. Circuit Z11 also connects to cavity 5 of the PCM.

HELPFUL INFORMATION

• If the system loses ground for the Z11 circuits at the right rear of the engine, the vehicle will not operate. Check the connection at the ganged-ground circuit eyelet.

• Circuit F12 splices to supply battery voltage to the vehicle speed control switch, back-up lamp switch, A/C compressor clutch relay, windshield washer fluid level sensor and radiator fan relay.

BRAKE SWITCH INPUT

Circuit K29 provides the brake switch input to the PCM. Circuit K29 connects to cavity 29 of the PCM.

POWER (DEVICE) GROUND

Circuit Z12 connects to cavities 11 and 12 of the PCM. The Z12 circuit provides ground for PCM internal drivers that operate high current devices like the injectors and ignition coil.

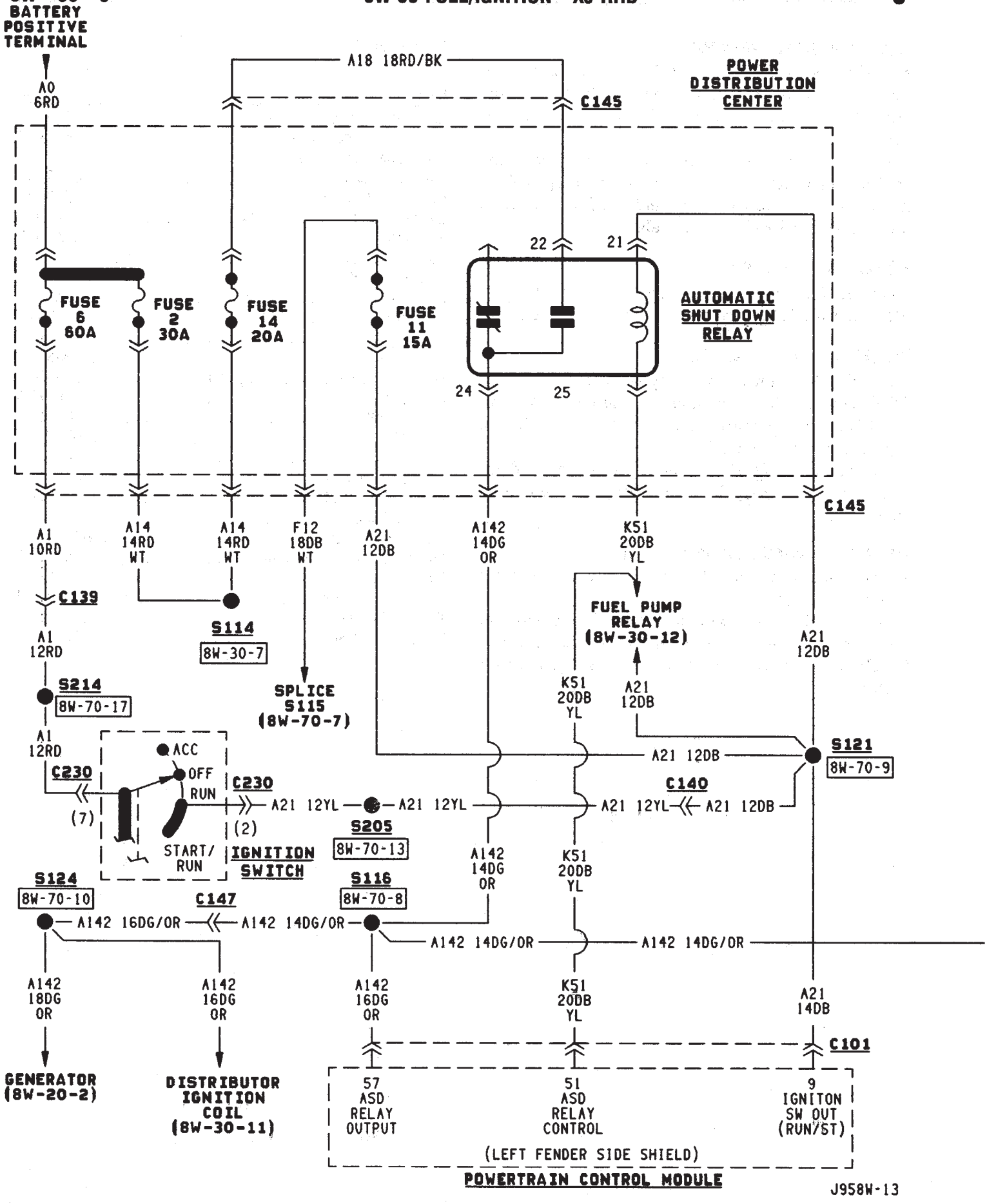
Internal to the PCM, the power (device) ground circuit connects to the PCM sensor return circuit (from circuit K4).

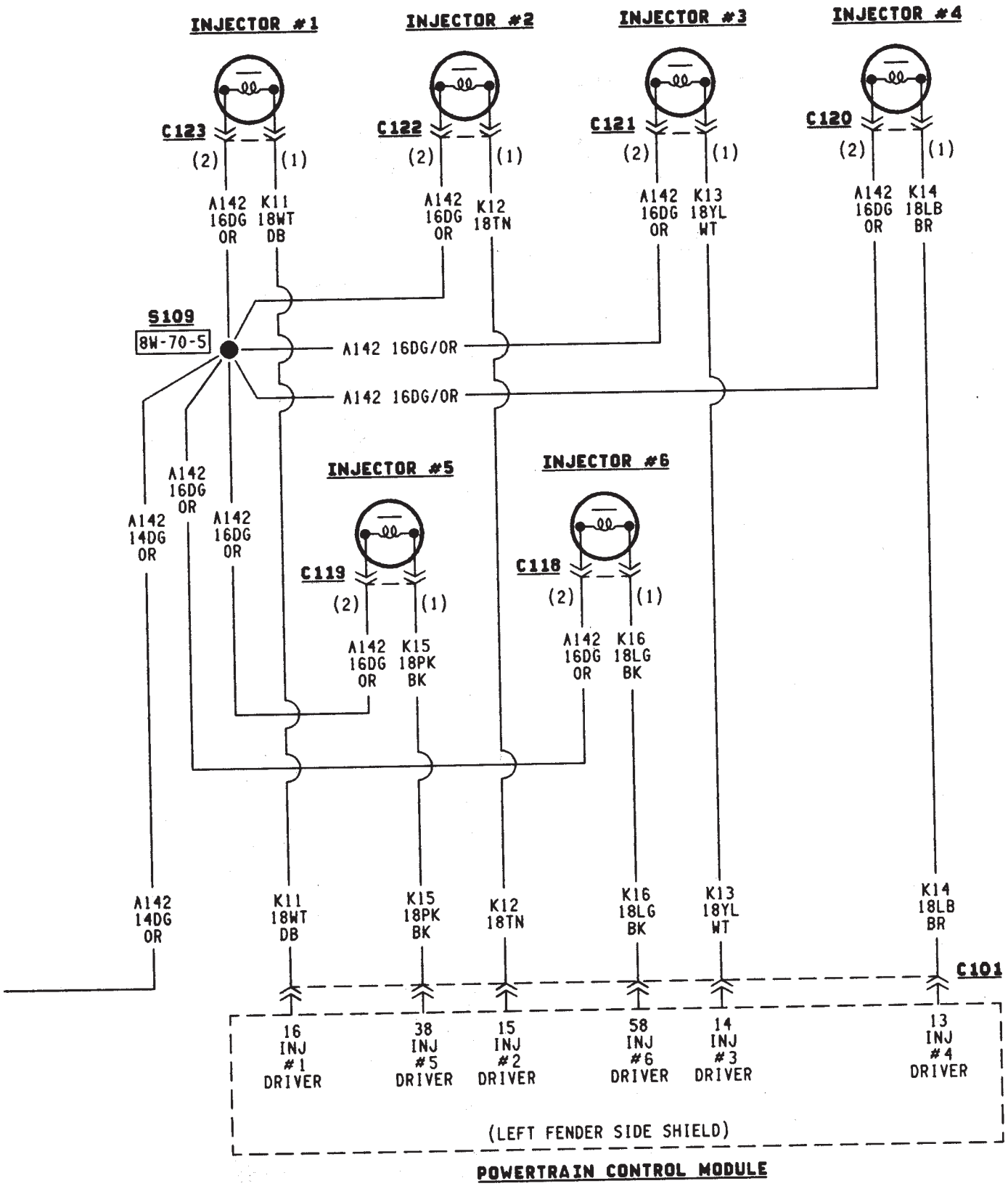
HELPFUL INFORMATION

• The grounding point for circuit Z12 is the right rear of the engine.

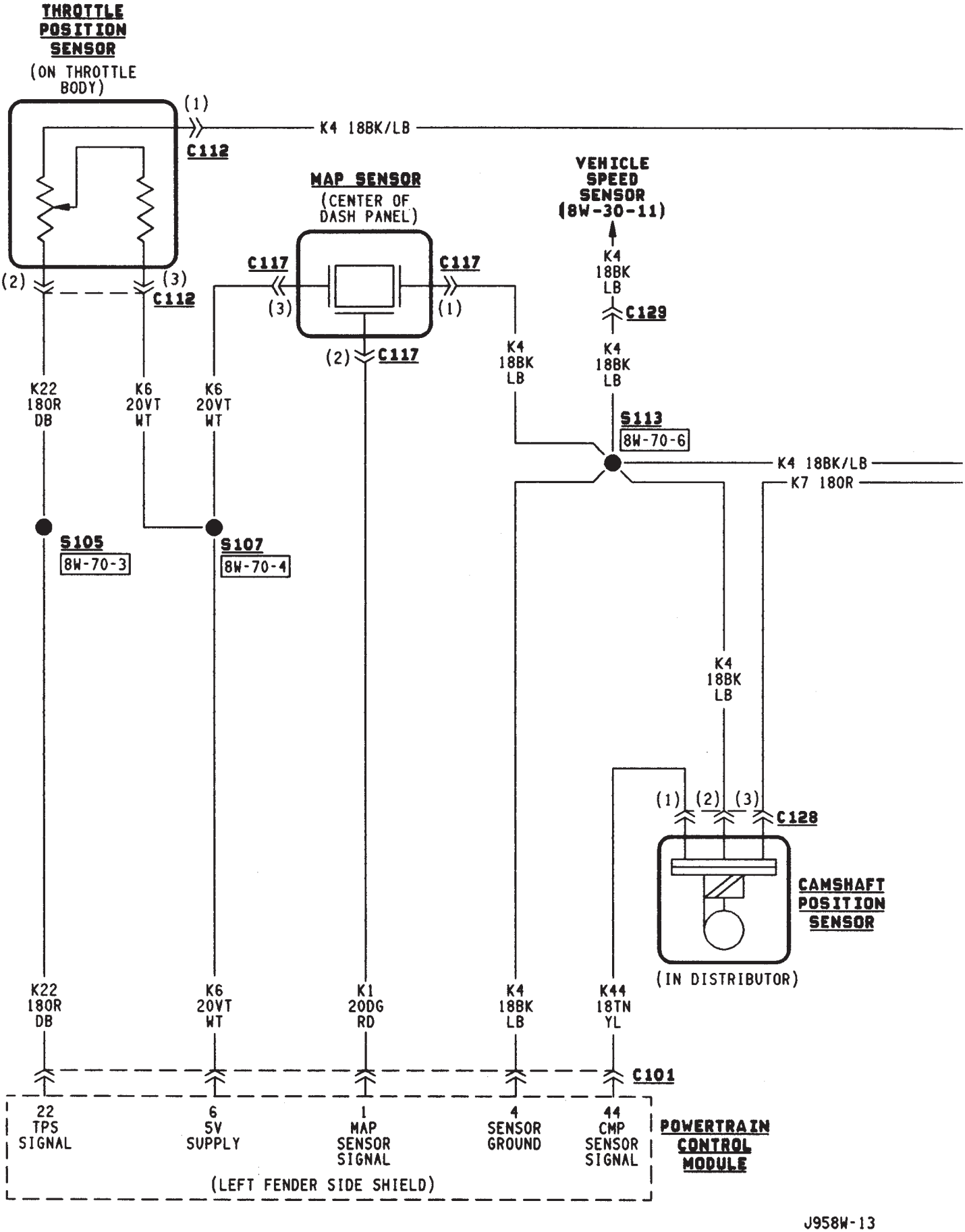
• If the system loses ground for the Z12 circuits at the rear of the engine, the vehicle will not operate. Check the connection at the ganged-ground circuit eyelet.

DIAGRAM INDEX

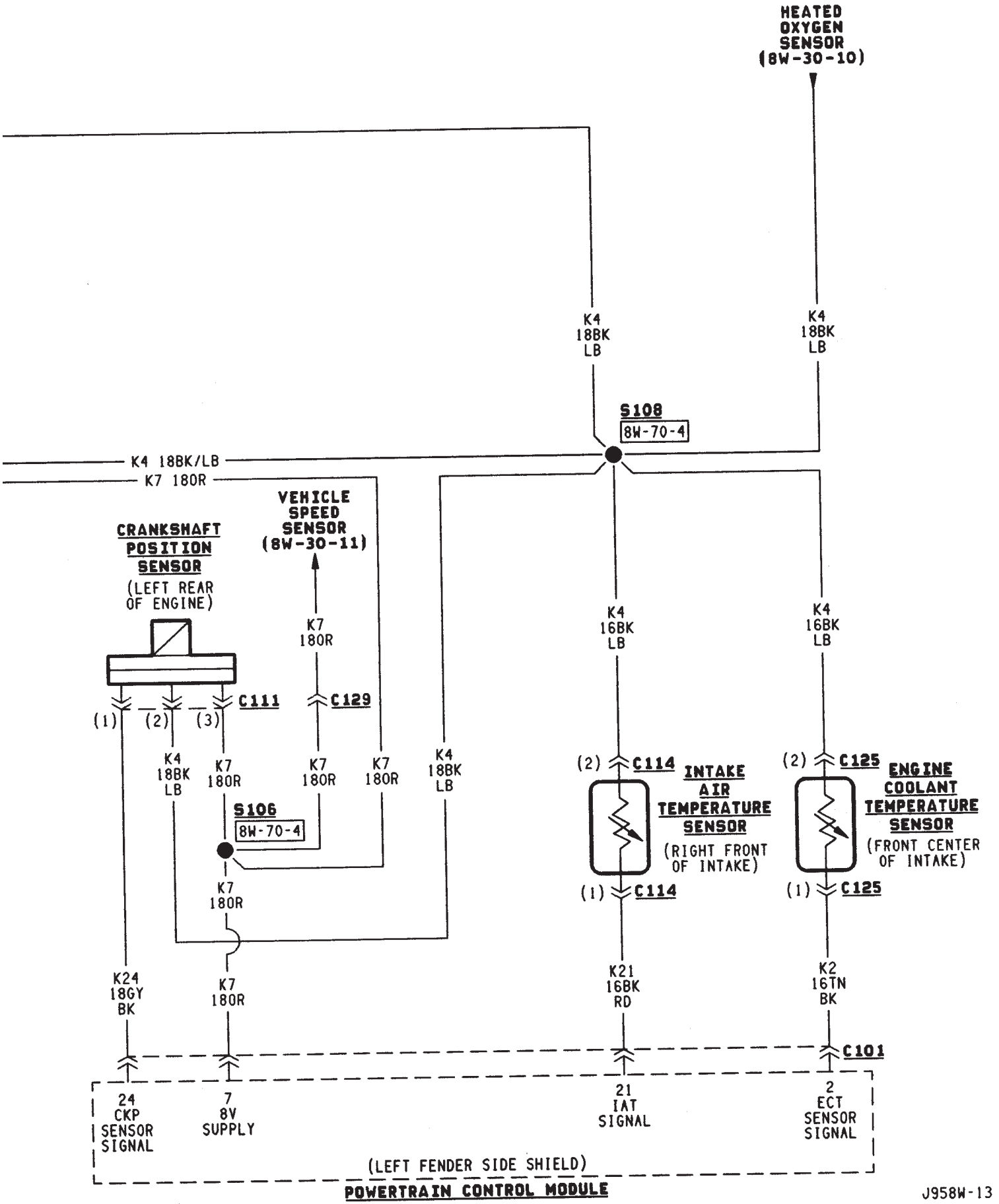

BATTERY POSITIVE TERMINAL
A0 6RD
A18 18RD/BK
C145
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 2 30A
FUSE 14 20A
FUSE 11 15A
22
21
24
25
AUTOMATIC SHUT DOWN RELAY
C145
A1 10RD
A14 14RD WT
A14 14RD WT
F12 18DB WT
A21 12DB
A142 14DG OR
K51 20DB YL
C139
S114
8W-30-7
A1 12RD
S214
8W-70-17
SPLICE S115 (8W-70-7)
FUEL PUMP RELAY (8W-30-12)
K51 20DB YL
A21 12DB
A21 12DB
S121
8W-70-9
A1 12RD
C230
ACC
OFF
RUN
START/ RUN
(7)
(2)
IGNITION SWITCH
C230
A21 12YL
A21 12YL
S205
8W-70-13
C140
A21 12YL
A21 12DB
A142 14DG OR
K51 20DB YL
S124
8W-70-10
C147
A142 16DG/OR
A142 14DG/OR
S116
8W-70-8
A142 14DG/OR
A142 14DG/OR
A142 18DG OR
A142 16DG OR
A142 16DG OR
K51 20DB YL
A21 14DB
C101
GENERATOR (8W-20-2)
DISTRIBUTOR IGNITION COIL (8W-30-11)
57 ASD RELAY OUTPUT
51 ASD RELAY CONTROL
9 IGNITON SW OUT (RUN/ST)
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE
J958W-13


INJECTOR #1
INJECTOR #2
INJECTOR #3
INJECTOR #4
C123
C122
C121
C120
(2)
(1)
A142 16DG OR
K11 18WT DB
K12 18TN
K13 18YL WT
K14 18LB BR
S109
8W-70-5
A142 16DG/OR
A142 16DG/OR
A142 14DG OR
INJECTOR #5
INJECTOR #6
C119
C118
K15 18PK BK
K16 18LG BK
K11 18WT DB
K15 18PK BK
K12 18TN
K16 18LG BK
K13 18YL WT
K14 18LB BR
C101
16 INJ #1 DRIVER
38 INJ #5 DRIVER
15 INJ #2 DRIVER
58 INJ #6 DRIVER
14 INJ #3 DRIVER
13 INJ #4 DRIVER
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE

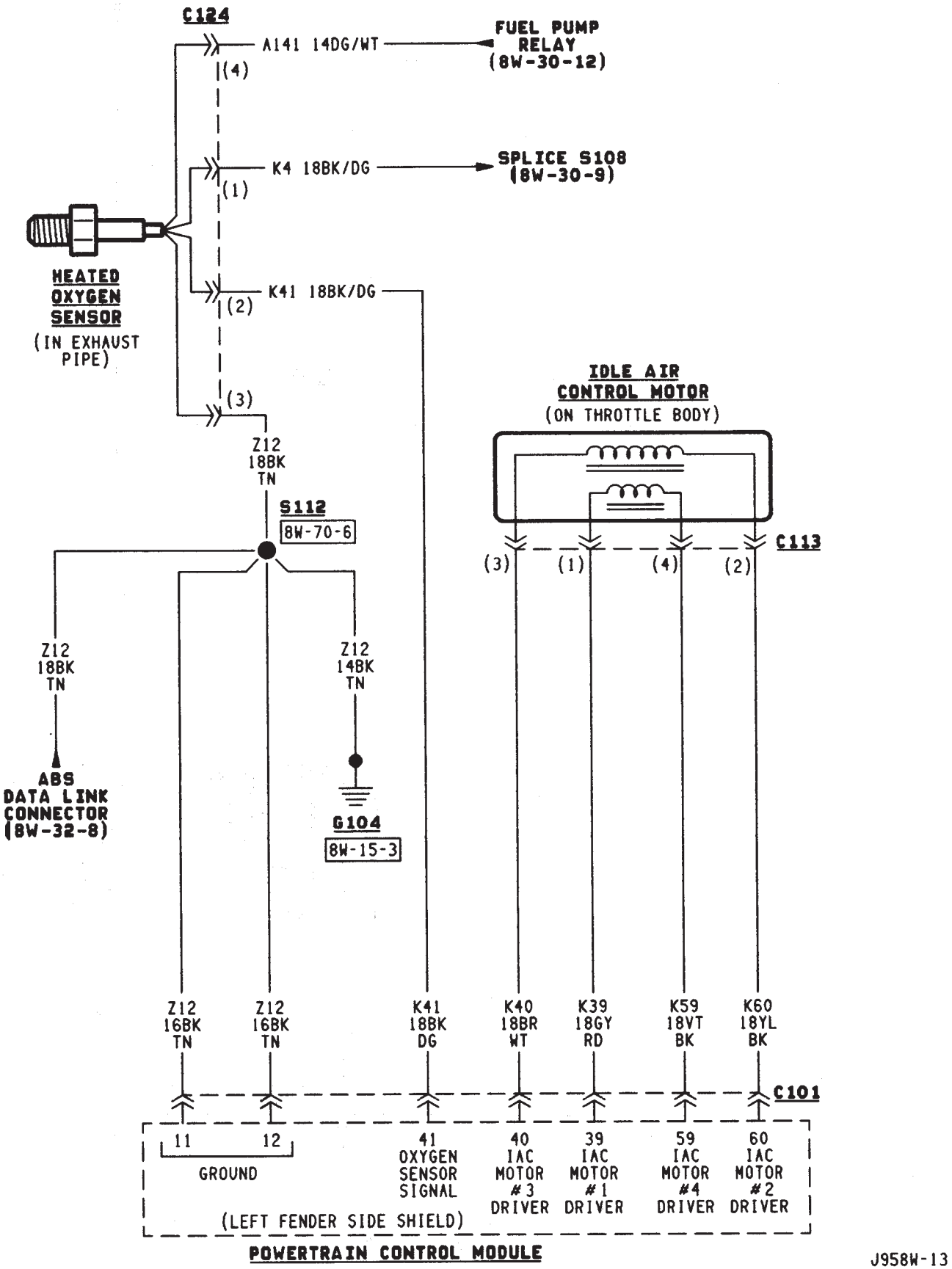
J958W-13


THROTTLE POSITION SENSOR
(ON THROTTLE BODY)
(1)
K4 18BK/LB
C112
(2)
(3)
C112
MAP SENSOR
(CENTER OF DASH PANEL)
C117
C117
(3)
(1)
(2)
C117
VEHICLE SPEED SENSOR (8W-30-11)
K4 18BK LB
C129
K4 18BK LB
K4 18BK LB
K22 18OR DB
K6 20VT WT
K6 20VT WT
S113
8W-70-6
K4 18BK/LB
K7 18OR
S105
8W-70-3
S107
8W-70-4
K4 18BK LB
(1) (2) (3)
C128
CAMSHAFT POSITION SENSOR
(IN DISTRIBUTOR)
K22 18OR DB
K6 20VT WT
K1 20DG RD
K4 18BK LB
K44 18TN YL
C101
22 TPS SIGNAL
6 5V SUPPLY
1 MAP SENSOR SIGNAL
4 SENSOR GROUND
44 CMP SENSOR SIGNAL
POWERTRAIN CONTROL MODULE
(LEFT FENDER SIDE SHIELD)

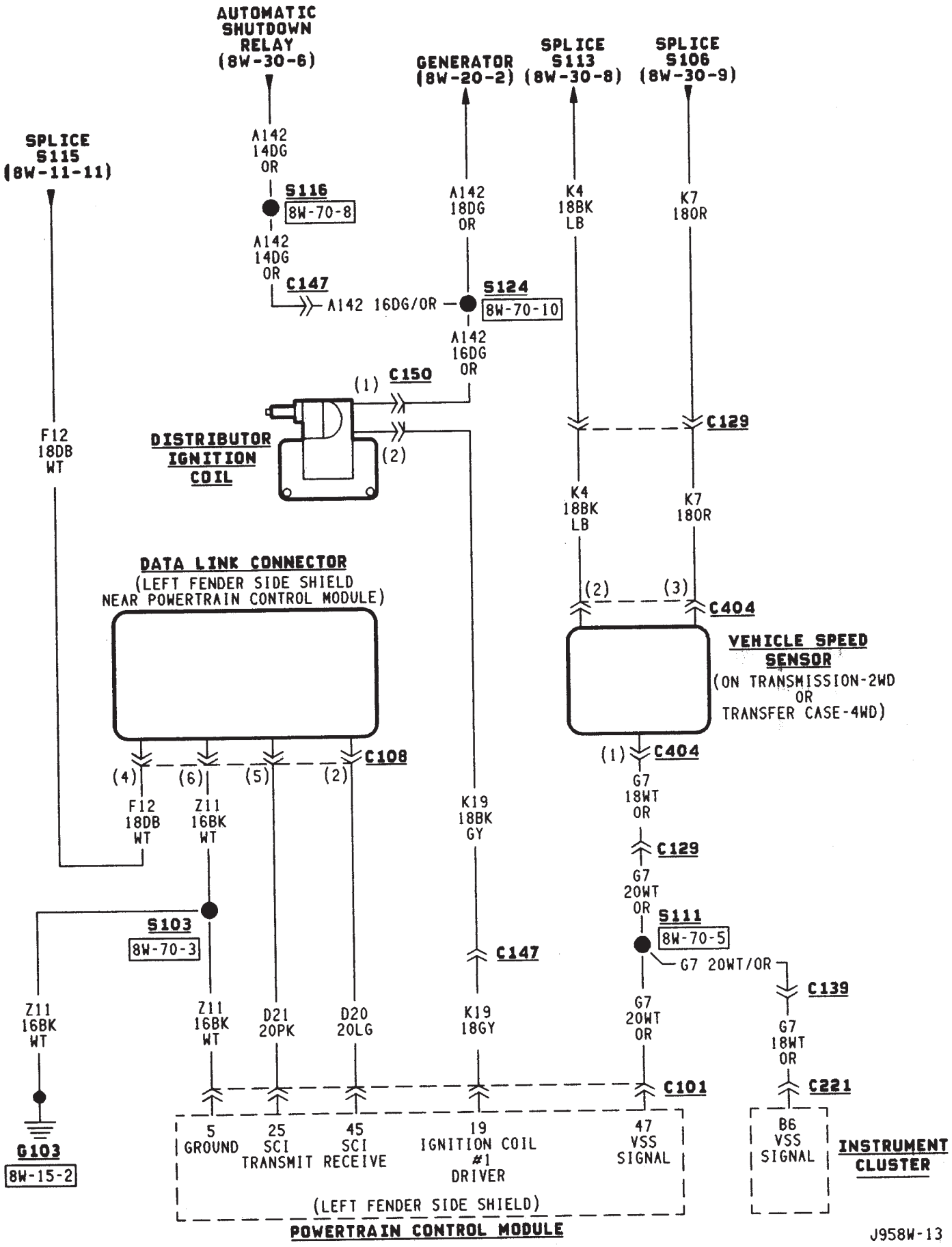
J958W-13

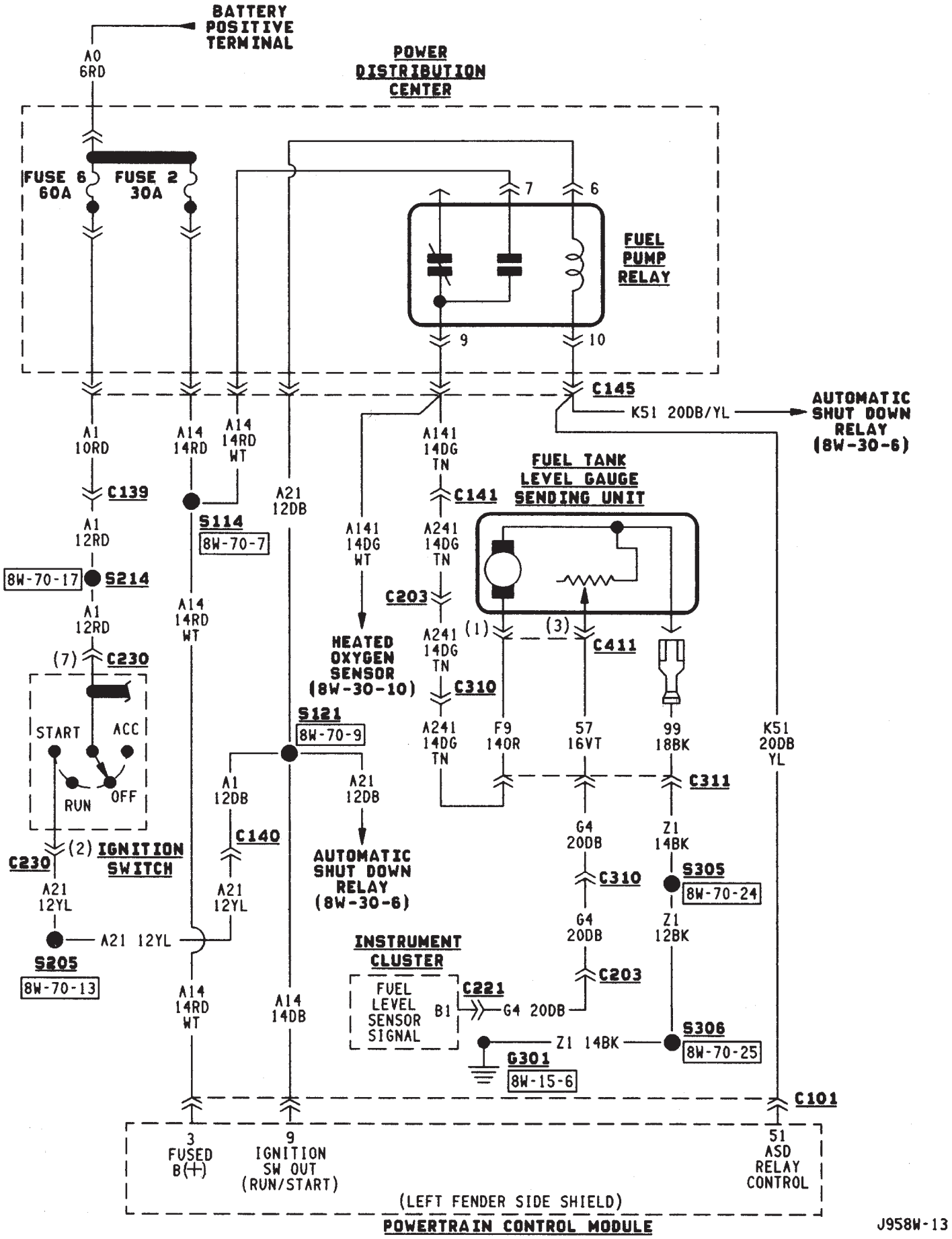

HEATED OXYGEN SENSOR (8W-30-10)
K4 18BK LB
K4 18BK LB
S108
8W-70-4
K4 18BK/LB
K7 180R
VEHICLE SPEED SENSOR (8W-30-11)
CRANKSHAFT POSITION SENSOR
(LEFT REAR OF ENGINE)
K7 180R
K4 16BK LB
K4 16BK LB
C111
C129
(1)
(2)
(3)
K4 18BK LB
K7 180R
K7 180R
K7 180R
K4 18BK LB
S106
8W-70-4
(2) C114
INTAKE AIR TEMPERATURE SENSOR
(RIGHT FRONT OF INTAKE)
(2) C125
ENGINE COOLANT TEMPERATURE SENSOR
(FRONT CENTER OF INTAKE)
K7 180R
(1) C114
(1) C125
K24 18GY BK
K7 180R
K21 16BK RD
K2 16TN BK
C101
24 CKP SENSOR SIGNAL
7 8V SUPPLY
21 IAT SIGNAL
2 ECT SENSOR SIGNAL
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE

J958W-13


C124
A141 14DG/WT
FUEL PUMP RELAY (8W-30-12)
(4)
K4 18BK/DG
SPLICE S108 (8W-30-9)
(1)
HEATED OXYGEN SENSOR
(IN EXHAUST PIPE)
K41 18BK/DG
(2)
(3)
IDLE AIR CONTROL MOTOR
(ON THROTTLE BODY)
Z12 18BK TN
S112
8W-70-6
C113
(3) (1) (4) (2)
Z12 18BK TN
Z12 14BK TN
ABS DATA LINK CONNECTOR (8W-32-8)
G104
8W-15-3
Z12 16BK TN
Z12 16BK TN
K41 18BK DG
K40 18BR WT
K39 18GY RD
K59 18VT BK
K60 18YL BK
C101
11 12
GROUND
41 OXYGEN SENSOR SIGNAL
40 IAC MOTOR #3 DRIVER
39 IAC MOTOR #1 DRIVER
59 IAC MOTOR #4 DRIVER
60 IAC MOTOR #2 DRIVER
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE

J958W-13


AUTOMATIC SHUTDOWN RELAY (8W-30-6)
GENERATOR (8W-20-2)
SPLICE S113 (8W-30-8)
SPLICE S106 (8W-30-9)
SPLICE S115 (8W-11-11)
A142 14DG OR
S116
8W-70-8
A142 14DG OR
C147
A142 16DG/OR
S124
8W-70-10
A142 16DG OR
A142 18DG OR
K4 18BK LB
K7 18OR
(1) C150
(2)
DISTRIBUTOR IGNITION COIL
C129
F12 18DB WT
K4 18BK LB
K7 18OR
DATA LINK CONNECTOR
(LEFT FENDER SIDE SHIELD NEAR POWERTRAIN CONTROL MODULE)
(2) (3) C404
VEHICLE SPEED SENSOR
(ON TRANSMISSION-2WD OR TRANSFER CASE-4WD)
(4) (6) (5) (2) C108
(1) C404
F12 18DB WT
Z11 16BK WT
K19 18BK GY
G7 18WT OR
C129
G7 20WT OR
S103
8W-70-3
S111
8W-70-5
G7 20WT/OR
C147
C139
Z11 16BK WT
Z11 16BK WT
D21 20PK
D20 20LG
K19 18GY
G7 20WT OR
G7 18WT OR
C101
C221
G103
8W-15-2
5 GROUND
25 SCI TRANSMIT
45 SCI RECEIVE
19 IGNITION COIL #1 DRIVER
47 VSS SIGNAL
B6 VSS SIGNAL
INSTRUMENT CLUSTER
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 2 30A
7
6
FUEL PUMP RELAY
9
10
C145
K51 20DB/YL
AUTOMATIC SHUT DOWN RELAY (8W-30-6)
A1 10RD
A14 14RD
A14 14RD WT
A21 12DB
A141 14DG TN
FUEL TANK LEVEL GAUGE SENDING UNIT
C139
S114
8W-70-7
C141
A1 12RD
A141 14DG WT
A241 14DG TN
8W-70-17
S214
C203
A1 12RD
A14 14RD WT
HEATED OXYGEN SENSOR (8W-30-10)
A241 14DG TN
(1)
(3)
C411
(7)
C230
C310
S121
8W-70-9
START
ACC
RUN
OFF
A241 14DG TN
F9 140R
57 16VT
99 18BK
K51 20DB YL
C311
A1 12DB
A21 12DB
G4 20DB
Z1 14BK
C140
AUTOMATIC SHUT DOWN RELAY (8W-30-6)
C310
S305
8W-70-24
C230
(2) IGNITION SWITCH
A21 12YL
A21 12YL
G4 20DB
Z1 12BK
A21 12YL
S205
8W-70-13
INSTRUMENT CLUSTER
FUEL LEVEL SENSOR SIGNAL
B1
C221
G4 20DB
C203
A14 14RD WT
A14 14DB
Z1 14BK
S306
8W-70-25
G301
8W-15-6
C101
3 FUSED B(+)
9 IGNITION SW OUT (RUN/START)
51 ASD RELAY CONTROL
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE
J958W-13

TRANSMISSION CONTROLS

FOUR-WHEEL DRIVE (4WD) SWITCH

When the 4WD switch closes, circuit Z1 provides ground for the 4WD indicator lamp in the instrument cluster. Circuit F87 connects to the instrument cluster and supplies battery voltage to the 4WD indicator lamp. Circuit 107 connects the indicator lamp to the 4WD switch. Circuit 106 connects the lamp to the instrument cluster and circuit F87.

TRANSMISSION COMFORT SWITCH

Circuit T17 from fuse 12 in the Power Distribution Center (PDC) supplies battery voltage to the transmission comfort switch. Circuit Z1 provides ground for the switch. Circuit T177 Connects the switch to the Transmission Control Module (TCM).

TRANSMISSION CONTROL MODULE

Vehicles equipped with the 4.0L engine have electronically controlled solenoids in the automatic transmission valve body.

The transmission control module (TCM) receives inputs from the throttle position sensor (TPS) on circuit K22 and the stop lamp switch on circuit K29. Circuit K4 connects to the TCM to provide ground for the TPS signal.

The TCM receives the transmission output speed sensor signal on circuit 505. Circuit A14 from fuse 2 in the Power Distribution Center (PDC) supplies battery voltage to the TCM. Circuit T17 from fuse 12 in the PDC also connects to the TCM. Circuit Z12 provides ground for the TCM.

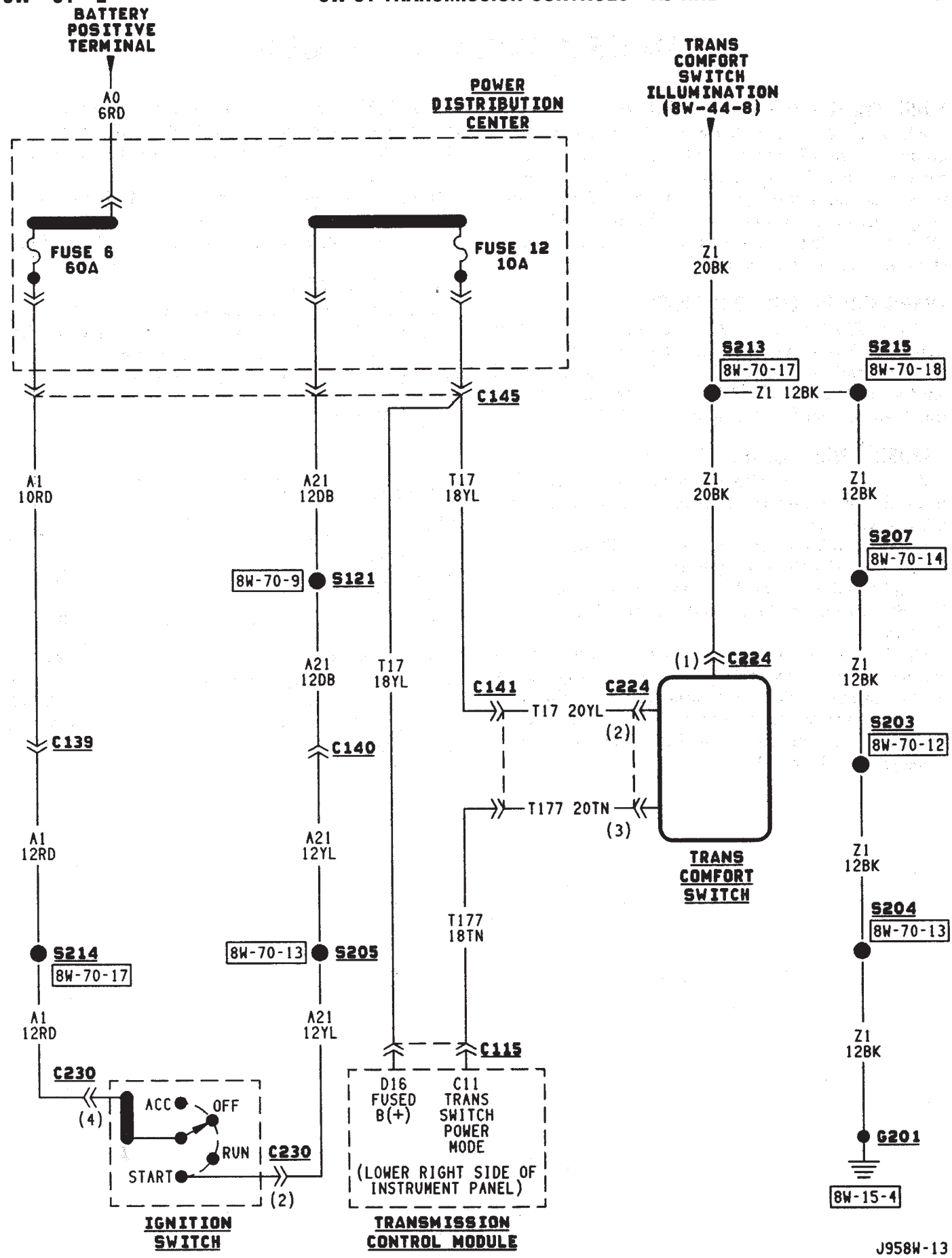
The TCM powers the S1 solenoid on circuit 510, the S2 solenoid on circuit 509, and the S3 solenoid on circuit 508. Circuit Z12 provides ground for the S1, S2, and S3 solenoids.

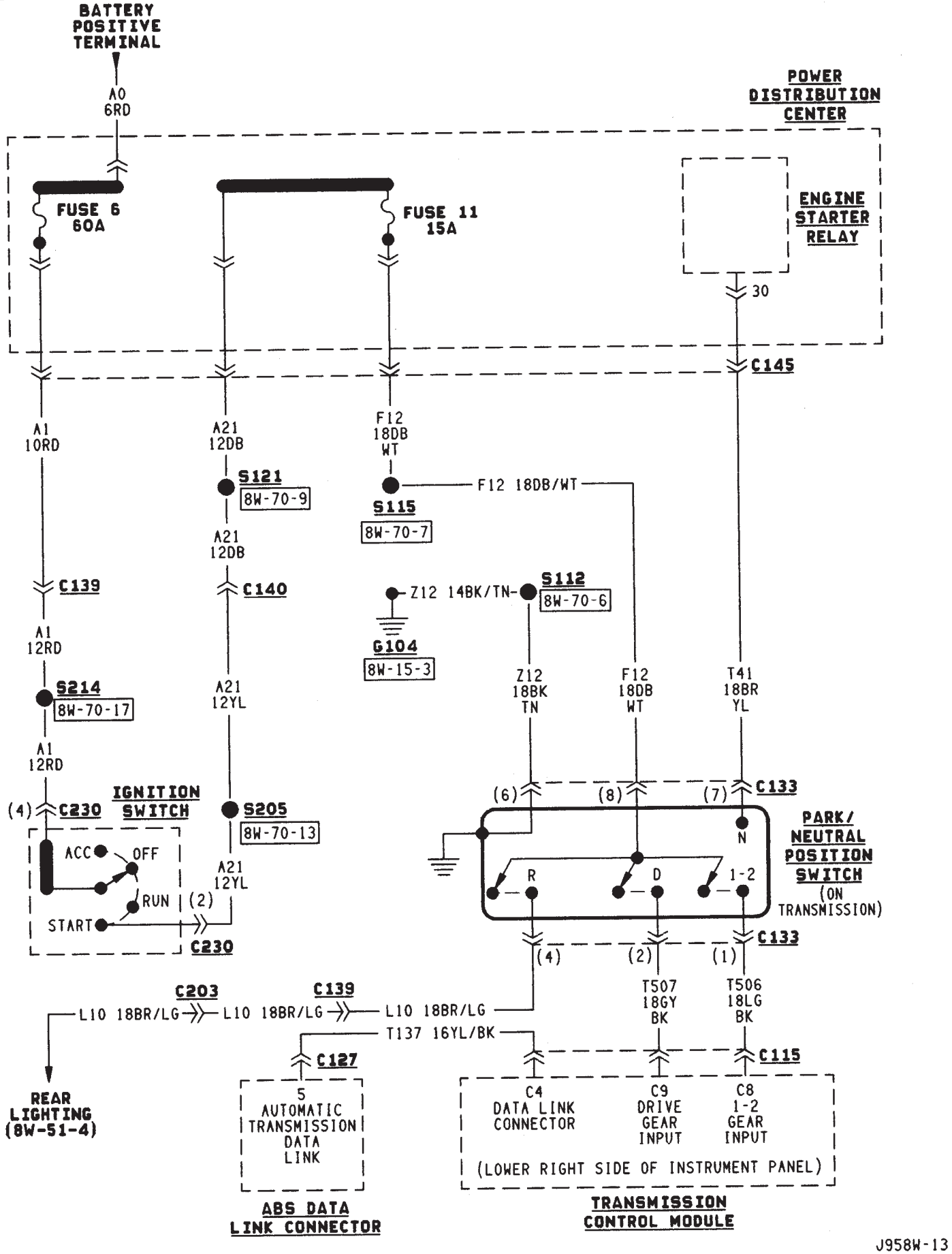
Circuits 506 and 507 from the Park/Neutral position switch connect to the TCM. Circuits 506 and 507 tell the TCM what drive range the transmission is in.

DATA LINK CONNECTOR

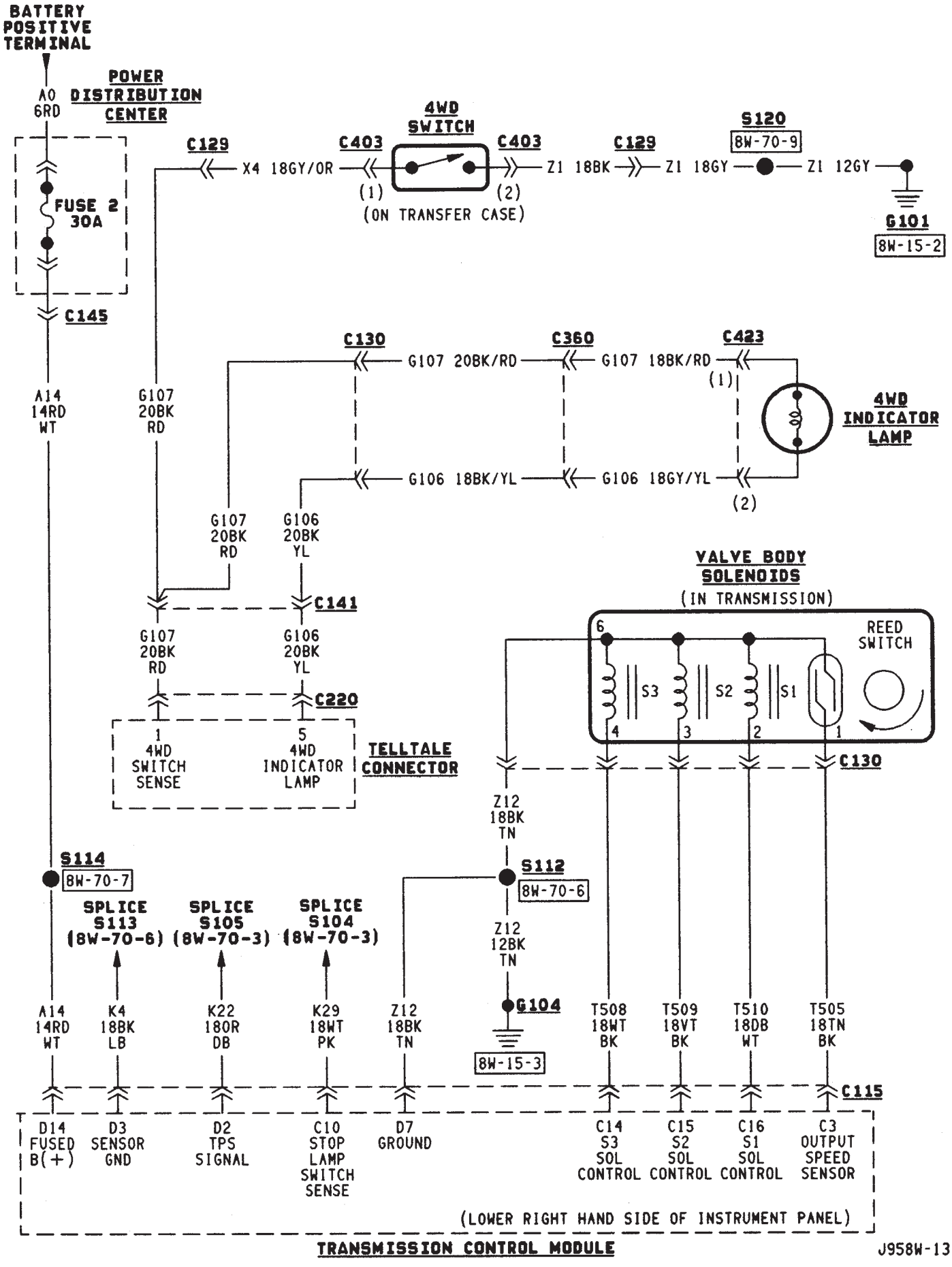
Circuit 137 from the TCM connects to the data link connector. Circuit F39 from fuse 5 in the PDC supplies power to the data link connector. Circuit Z12 provides ground for the data link connector.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 12 10A
C145
A1 10RD
A21 12DB
T17 18YL
C139
C140
C141
A1 12RD
A21 12YL
T17 20YL
T177 20TN
T177 18TN
S214
8W-70-17
8W-70-13
S205
S121
8W-70-9
C230
(4)
(2)
ACC
OFF
RUN
START
IGNITION SWITCH
C115
D16 FUSED B(+)
C11 TRANS SWITCH POWER MODE
(LOWER RIGHT SIDE OF INSTRUMENT PANEL)
TRANSMISSION CONTROL MODULE
TRANS COMFORT SWITCH ILLUMINATION (8W-44-8)
Z1 20BK
S213
8W-70-17
Z1 12BK
S215
8W-70-18
C224
(1)
(2)
(3)
TRANS COMFORT SWITCH
S207
8W-70-14
S203
8W-70-12
S204
8W-70-13
G201
8W-15-4
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 11 15A
ENGINE STARTER RELAY
30
C145
A1 10RD
A21 12DB
F12 18DB WT
S121
8W-70-9
S115
8W-70-7
F12 18DB/WT
A21 12DB
C139
C140
Z12 14BK/TN
S112
8W-70-6
G104
8W-15-3
A1 12RD
S214
8W-70-17
A21 12YL
Z12 18BK TN
F12 18DB WT
T41 18BR YL
A1 12RD
(4) C230
IGNITION SWITCH
S205
8W-70-13
(6)
(8)
(7) C133
PARK/ NEUTRAL POSITION SWITCH (ON TRANSMISSION)
N
R
D
1-2
ACC
OFF
RUN
START
(2)
A21 12YL
C230
(4)
(2)
(1) C133
C203
C139
L10 18BR/LG
L10 18BR/LG
L10 18BR/LG
T137 16YL/BK
T507 18GY BK
T506 18LG BK
C127
C115
REAR LIGHTING (8W-51-4)
5 AUTOMATIC TRANSMISSION DATA LINK
C4 DATA LINK CONNECTOR
C9 DRIVE GEAR INPUT
C8 1-2 GEAR INPUT
(LOWER RIGHT SIDE OF INSTRUMENT PANEL)
ABS DATA LINK CONNECTOR
TRANSMISSION CONTROL MODULE

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 2 30A
C145
A14 14RD WT
C129
X4 18GY/OR
C403
4WD SWITCH
(1)
(2)
(ON TRANSFER CASE)
C403
Z1 18BK
C129
Z1 18GY
S120
8W-70-9
Z1 12GY
G101
8W-15-2
C130
G107 20BK/RD
C360
G107 18BK/RD
C423
(1)
4WD INDICATOR LAMP
G106 18BK/YL
G106 18GY/YL
(2)
G107 20BK RD
G106 20BK YL
C141
G107 20BK RD
G106 20BK YL
C220
1 4WD SWITCH SENSE
5 4WD INDICATOR LAMP
TELLTALE CONNECTOR
VALVE BODY SOLENOIDS
(IN TRANSMISSION)
REED SWITCH
6
S3
S2
S1
4
3
2
1
C130
Z12 18BK TN
S112
8W-70-6
Z12 12BK TN
G104
8W-15-3
S114
8W-70-7
SPLICE S113 (8W-70-6)
SPLICE S105 (8W-70-3)
SPLICE S104 (8W-70-3)
A14 14RD WT
K4 18BK LB
K22 18OR DB
K29 18WT PK
Z12 18BK TN
T508 18WT BK
T509 18VT BK
T510 18DB WT
T505 18TN BK
C115
D14 FUSED B(+)
D3 SENSOR GND
D2 TPS SIGNAL
C10 STOP LAMP SWITCH SENSE
D7 GROUND
C14 S3 SOL CONTROL
C15 S2 SOL CONTROL
C16 S1 SOL CONTROL
C3 OUTPUT SPEED SENSOR
(LOWER RIGHT HAND SIDE OF INSTRUMENT PANEL)
TRANSMISSION CONTROL MODULE
J958W-13

ANTI-LOCK BRAKES

INDEX

GENERAL INFORMATION

Three fuses supply power for the Anti-Lock Brake System (ABS); fuses 6 and 10 in the Power Distribution Center (PDC) and fuse 2 in the fuse block. Fuses 6 and 10 in the PDC are connected directly to battery voltage and are HOT all times. Fuse 2 in the fuse block is HOT when the ignition switch is the RUN Position.

In the RUN position, the ignition switch connects circuit A1 from fuse 6 in the PDC with circuit A38. Circuit A38 connects to a bus bar in the fuse block. The bus bar feeds circuit B236 through fuse 2. Fuse 2 is a 2 amp fuse.

Circuit B236 connects to the coil side of the ABS power relay and cavity 53 of the ABS control module.

Circuit Z1 provides ground for the ABS control module. Circuit Z1 connects to cavities 1 and 19 of the ABS control module.

Refer to group 5, Brakes for operational descriptions of ABS system components.

WHEEL SPEED SENSORS

The all wheel anti-lock system uses four wheel speed sensors; one for each wheel. Each sensor converts wheel speed into an electrical signal that it transmits to the ABS control module. A pair of twisted wires connect to each sensor to provide signals to the ABS control module.

Circuits B6 and B7 provide signals to ABS control module from the right front wheel speed sensor. Circuit B6 which provides the LOW signal connects to cavity 29 of the ABS control module. Circuit B7 connects to cavity 47 of the module and provides the HIGH signal.

Circuits B8 and B9 provide signals to ABS control module from the left front wheel speed sensor. Circuit B8, which provides the LOW signal, connects to cavity 30 of the ABS control module. Circuit B9 connects to cavity 48 of the module and provides the HIGH signal.

Circuits B1 and B2 provide signals to ABS control module from the right rear wheel speed sensor. Circuit B1 which provides the LOW signal connects to cavity 45 of the ABS control module. Circuit B2 connects to cavity 27 of the module and provides the HIGH signal.

Circuits B4 and B3 provide signals to ABS control module from the left rear wheel speed sensor. Circuit B3, which provides the LOW signal, connects to cavity 28 of the ABS control module. Circuit B4 connects to cavity 46 of the module and provides the HIGH signal.

ACCELERATION SWITCH

During four-wheel drive operation, the acceleration switch provides deceleration data to the ABS control module. Refer to Group 5, Brakes for additional information.

Circuits B515, B516, and B517 connect the acceleration sensor to the ABS control module. Circuits B515 and B516 provide switch states while circuit B517 provides ground. At the ABS control module circuit B515 connects to cavity 25, circuit B516 connects to cavity 43 and circuit B517 connects to cavity 26.

ABS POWER RELAY

The ABS power relay is located in the power distribution center (PDC). When the ABS module grounds the ABS power relay on circuit B207, the relay switches to connect circuit A20 from PDC fuse 10 to circuit B235. Circuit B236 from fuse 7 in the fuse block splices to feed the coil side of the ABS power relay. Circuit B207 connects to cavity 34 of the ABS control module.

Circuit B235 is double crimped at the ABS power relay. One branch of circuit B235 supplies power to the coil side of the ABS pump motor relay. The other branch of circuit B235 splices to cavities 3 and 33 of the ABS control module and to the hydraulic control unit.

ABS PUMP MOTOR RELAY

The ABS pump motor relay in the power distribution center (PDC) supplies voltage to the ABS pump motor. When the ABS power relay energizes, circuit B235 supplies battery voltage to the coil side of the

ABS pump motor relay. The ABS control module provides ground for the relay on circuit B116. Circuit B116 connects to cavity 15 of the ABS control module.

When the ABS pump motor energizes, it connects circuit A10 from PDC fuse 8 to circuit B233. Circuit B233 supplies battery voltage to the pump motor. Circuit Z12 provides ground for the pump motor.

PUMP MOTOR SPEED SENSOR

The input from the pump motor speed sensor tells the ABS control module that the pump is operating. Circuits B219 and B220 from the control module connect to the speed sensor.

BRAKE SWITCH INPUT

Circuit L50 from the stop lamp provides the brake switch input to the ABS control module. When the brake pedal is depressed, the stop lamp switch closes to supply battery voltage from circuit L9 to circuit L50. Circuit L50 connects to cavity 32 of the ABS control module. Circuit L9 originates at fuse 4 in the Power Distribution Center (PDC).

HYDRAULIC CONTROL UNIT

When the ABS power relay energizes, two branches of circuit B235 splice to supply voltage to the isolation and decay solenoids in the hydraulic control unit. The hydraulic control unit contains three separate isolation solenoids and three separate dump solenoids. The ABS control module activates the decay and isolation solenoids by providing separate ground paths for each.

The ABS module provides a ground path for the rear isolation solenoid on circuit B251. Circuit B251 connects to cavity 54 of the ABS control module.

For the right front isolation solenoid, the ABS module provides a ground path on circuit B249. Circuit B249 connects to cavity 38 of the ABS control module.

On circuit B245, the ABS control module provides ground for the left front isolation solenoid. Circuit B245 connects to cavity 20 of the ABS control module.

The ABS control module provides a ground path for the rear dump solenoid on circuit B254. Circuit B254 connects to cavity 36 of the ABS control module.

For the right front dump solenoid, the ABS module provides a ground path on circuit B248. Circuit B248 connects to cavity 21 of the ABS control module.

On circuit B243, the ABS module provides ground for the left dump solenoid. Circuit B243 connects to cavity 2 of the ABS control module.

ABS WARNING LAMP

Circuit F87 provides power for the ABS warning lamp at the instrument cluster. Ground for the ABS warning lamp is provided by either the ABS control module or by the ABS power relay when the relay is not energized. The ABS control module illuminates the lamp by providing ground on circuit B205.

Circuit B205 splices to connect to circuit B235 through a diode. When the ABS power relay is not energized, it connects circuit B235 to circuit Z12. The ground path for the warning lamp is through the diode to circuit B235, through the ABS power relay to ground on circuit Z12.

The diode between circuit B205 and B235 prevents voltage from flowing to the ABS control module when the ABS power relay switches to supply power on circuit B235.

DATA LINK CONNECTOR

Circuit D1 from cavity 23 of the ABS control module receives data from the DRB scan tool through the data link connector. The ABS control module transmits data to the scan tool through the connector on circuit D2. Circuit D2 originates at cavity 42 of the ABS control module.

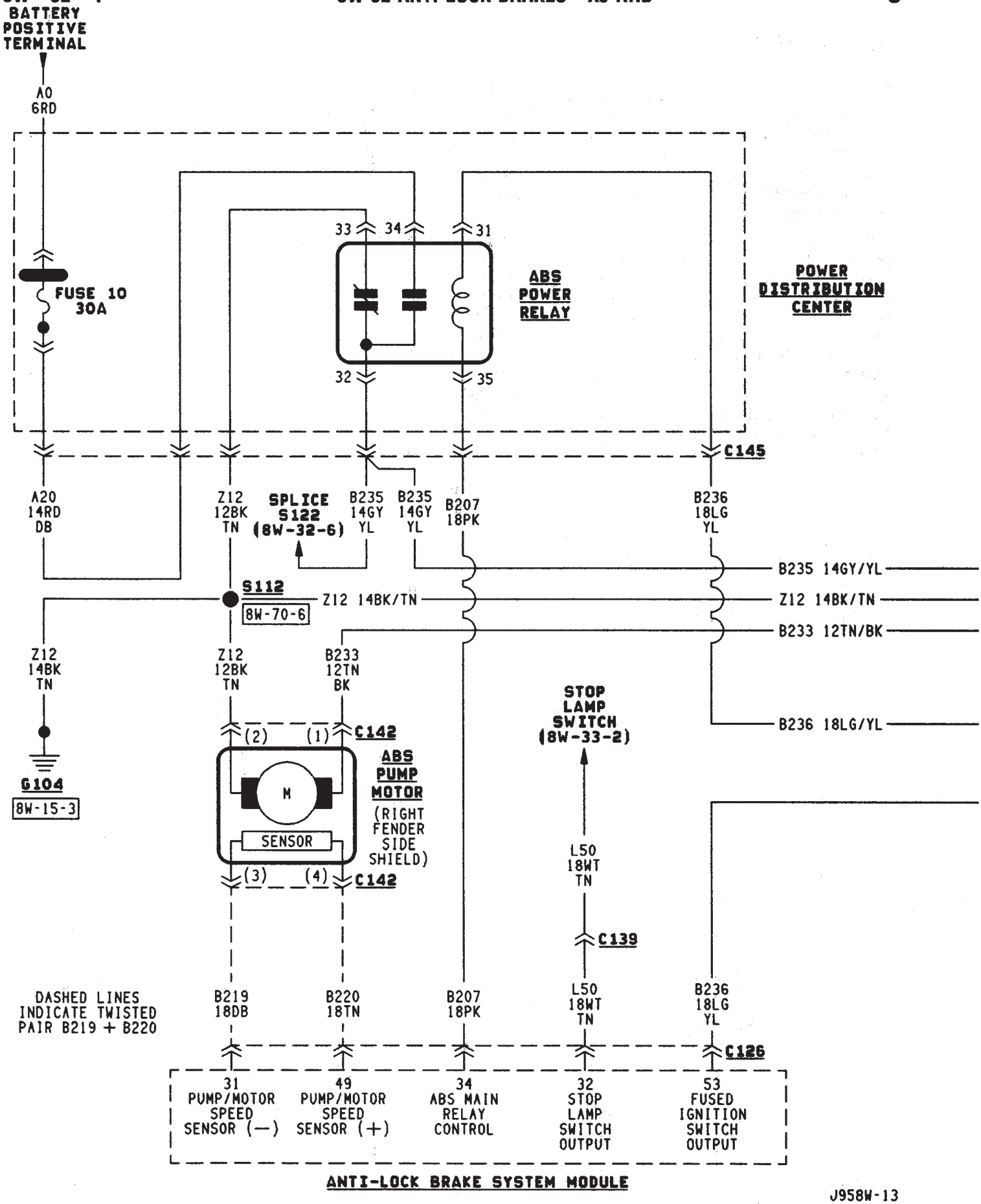
Through the data link connector, circuit Z12 provides ground for the DRB scan tool. Circuit Z12 terminates at the right rear of the engine.

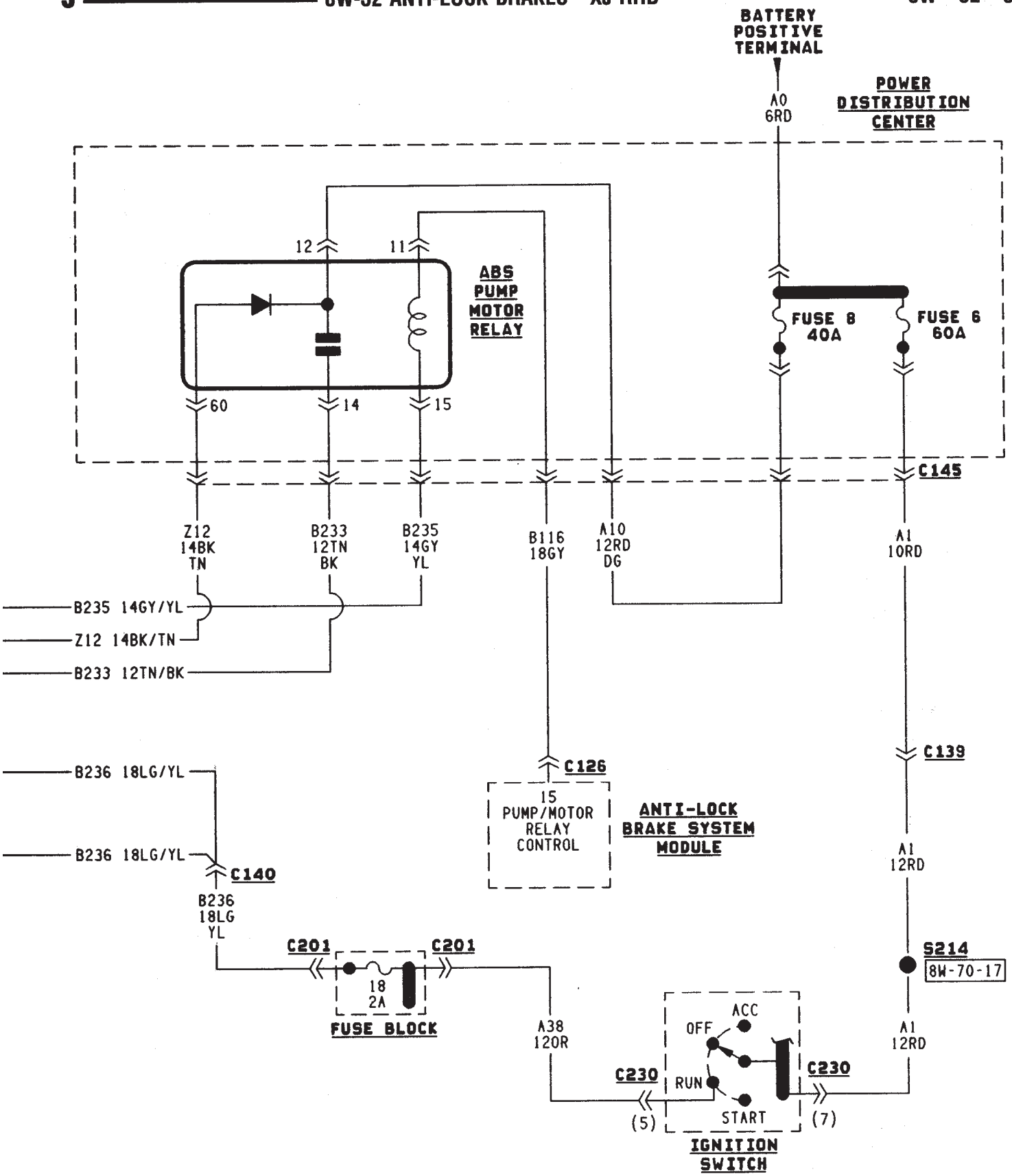
Circuit A4 from fuse 7 in the Power Distribution Center (PDC) supplies power to fuse 13 in the PDC. Fuse 13 powers circuit F39 which supplies battery voltage to the scan tool through the diagnostic connector.

HELPFUL INFORMATION

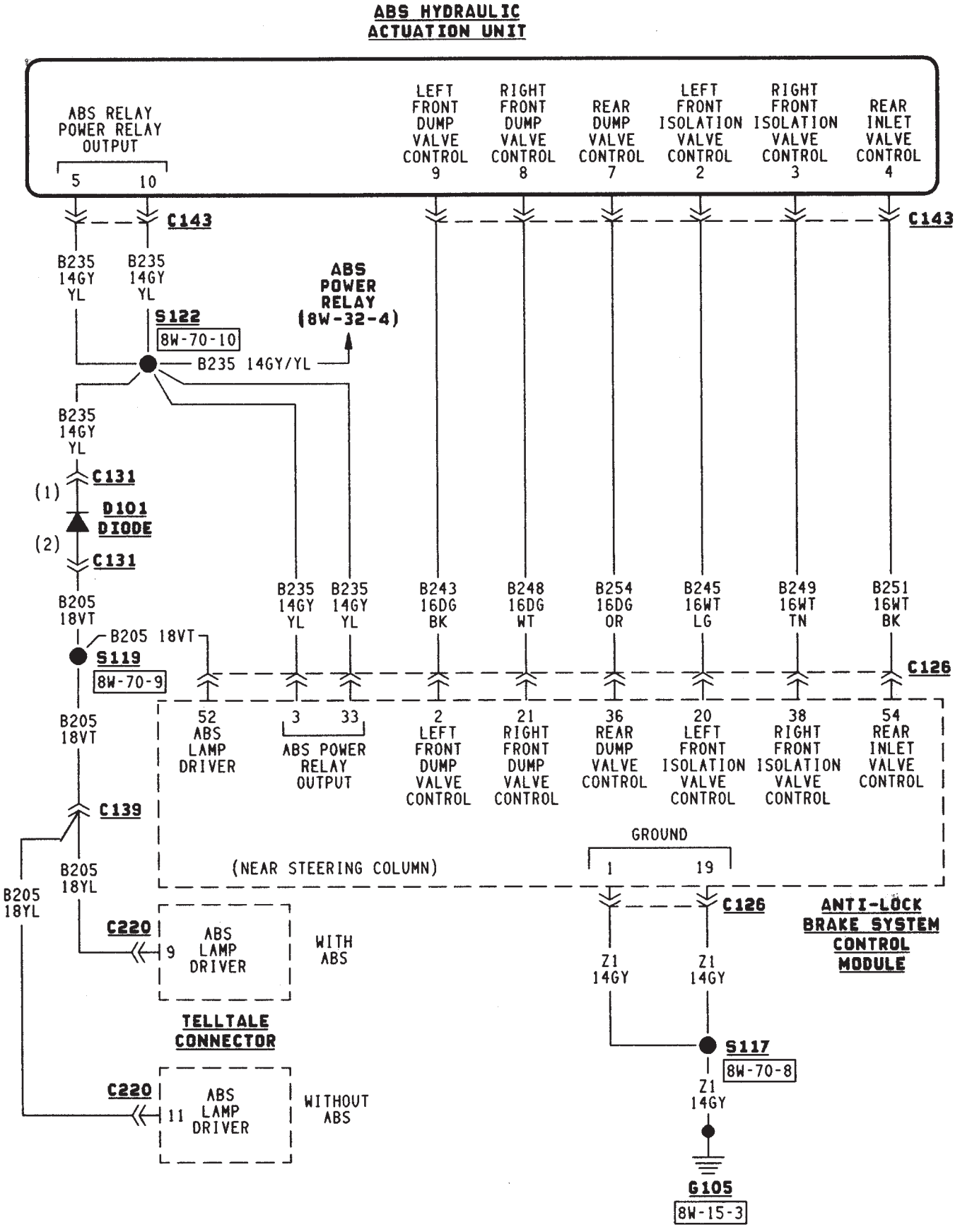
- Check fuses 7 and 13 in the PDC.
- If the vehicle is equipped with an automatic transmission, circuits D1 and D2 are double crimped at the data link connector and connect to the Powertrain Control Module (PCM).

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 10 30A
33
34
31
32
35
ABS POWER RELAY
POWER DISTRIBUTION CENTER
C145
A20 14RD DB
Z12 12BK TN
SPLICE S122 (8W-32-6)
B235 14GY YL
B235 14GY YL
B207 18PK
B236 18LG YL
B235 14GY/YL
S112
Z12 14BK/TN
8W-70-6
Z12 14BK/TN
B233 12TN/BK
Z12 14BK TN
Z12 12BK TN
B233 12TN BK
B236 18LG/YL
STOP LAMP SWITCH (8W-33-2)
(2)
(1)
C142
ABS PUMP MOTOR
(RIGHT FENDER SIDE SHIELD)
M
SENSOR
(3)
(4)
C142
G104
8W-15-3
L50 18WT TN
C139
DASHED LINES INDICATE TWISTED PAIR B219 + B220
B219 18DB
B220 18TN
B207 18PK
L50 18WT TN
B236 18LG YL
C126
31 PUMP/MOTOR SPEED SENSOR (—)
49 PUMP/MOTOR SPEED SENSOR (+)
34 ABS MAIN RELAY CONTROL
32 STOP LAMP SWITCH OUTPUT
53 FUSED IGNITION SWITCH OUTPUT
ANTI-LOCK BRAKE SYSTEM MODULE
J958W-13

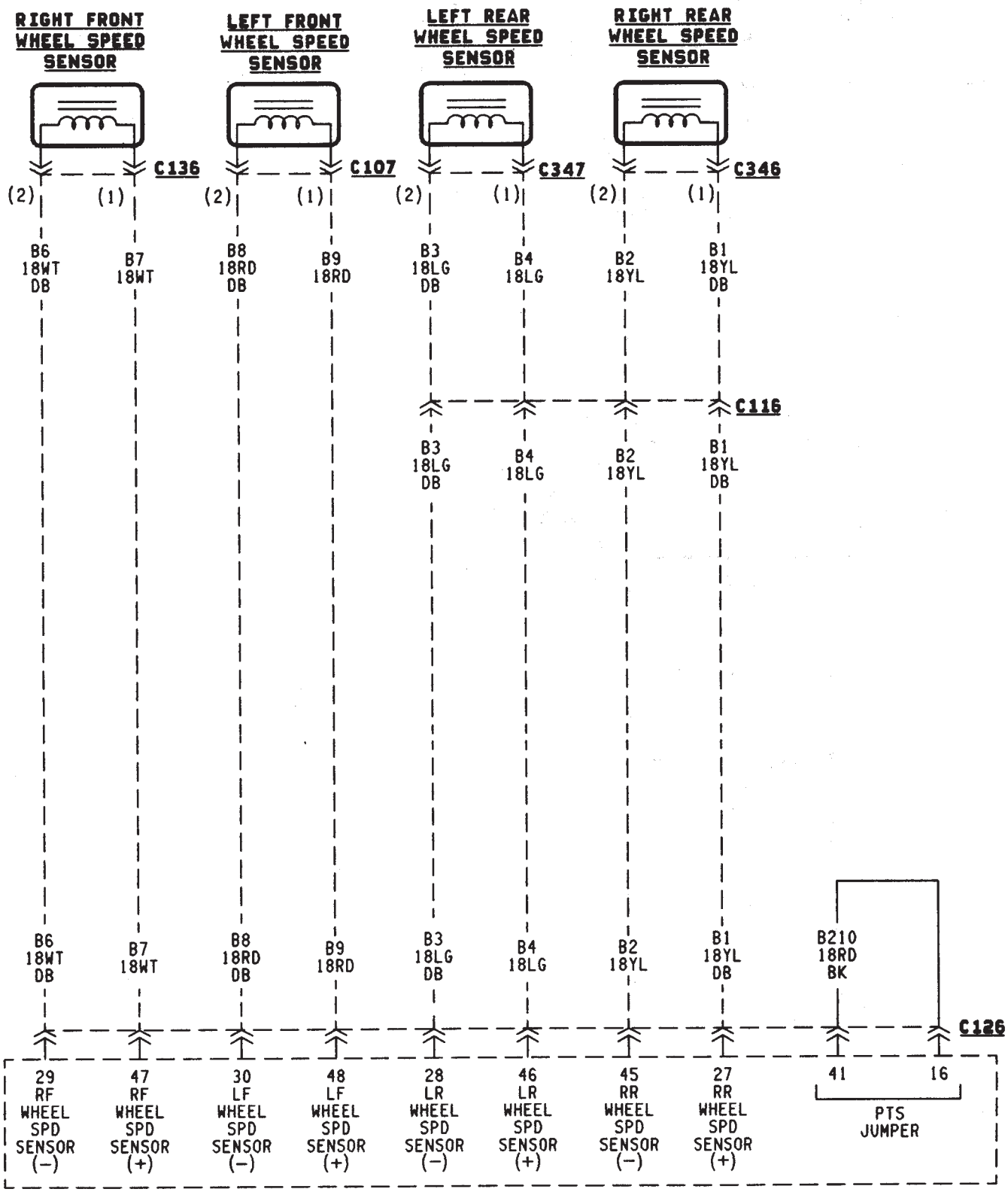

BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
12
11
ABS PUMP MOTOR RELAY
60
14
15
FUSE 8 40A
FUSE 6 60A
C145
Z12 14BK TN
B233 12TN BK
B235 14GY YL
B116 18GY
A10 12RD DG
A1 10RD
B235 14GY/YL
Z12 14BK/TN
B233 12TN/BK
C139
C126
15 PUMP/MOTOR RELAY CONTROL
ANTI-LOCK BRAKE SYSTEM MODULE
B236 18LG/YL
B236 18LG/YL
C140
B236 18LG YL
A1 12RD
C201
C201
18 2A
FUSE BLOCK
S214
8W-70-17
A38 12OR
ACC
OFF
RUN
START
C230
C230
(5)
(7)
A1 12RD
IGNITION SWITCH

J958W-13

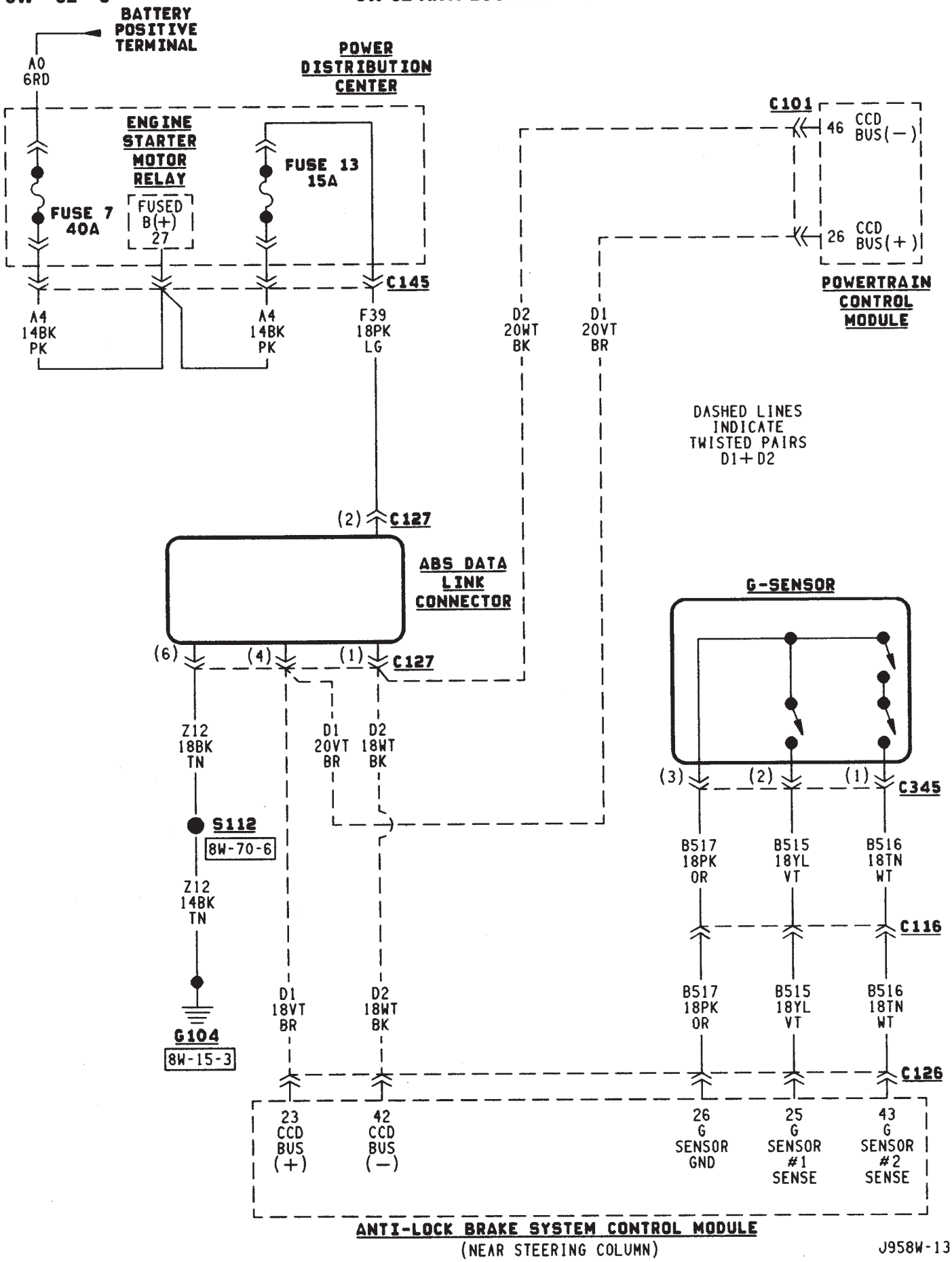

ABS HYDRAULIC ACTUATION UNIT
ABS RELAY POWER RELAY OUTPUT
5
10
LEFT FRONT DUMP VALVE CONTROL 9
RIGHT FRONT DUMP VALVE CONTROL 8
REAR DUMP VALVE CONTROL 7
LEFT FRONT ISOLATION VALVE CONTROL 2
RIGHT FRONT ISOLATION VALVE CONTROL 3
REAR INLET VALVE CONTROL 4
C143
C143
B235 14GY YL
B235 14GY YL
S122
8W-70-10
ABS POWER RELAY (8W-32-4)
B235 14GY/YL
B235 14GY YL
C131
(1)
D101 DIODE
(2)
C131
B205 18VT
B205 18VT
S119
8W-70-9
B235 14GY YL
B235 14GY YL
B243 16DG BK
B248 16DG WT
B254 16DG OR
B245 16WT LG
B249 16WT TN
B251 16WT BK
C126
52 ABS LAMP DRIVER
3
33
ABS POWER RELAY OUTPUT
2 LEFT FRONT DUMP VALVE CONTROL
21 RIGHT FRONT DUMP VALVE CONTROL
36 REAR DUMP VALVE CONTROL
20 LEFT FRONT ISOLATION VALVE CONTROL
38 RIGHT FRONT ISOLATION VALVE CONTROL
54 REAR INLET VALVE CONTROL
B205 18VT
C139
B205 18YL
B205 18YL
(NEAR STEERING COLUMN)
GROUND
1
19
C126
ANTI-LOCK BRAKE SYSTEM CONTROL MODULE
C220
9
ABS LAMP DRIVER
WITH ABS
Z1 14GY
Z1 14GY
TELLTALE CONNECTOR
S117
8W-70-8
Z1 14GY
C220
11
ABS LAMP DRIVER
WITHOUT ABS
G105
8W-15-3

J958W-13

DASHED LINES INDICATE
TWISTED PAIRS
B1+B2, B3+B4, B6+B7, B8+B9



J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
ENGINE STARTER MOTOR RELAY
FUSED B(+) 27
FUSE 7 40A
FUSE 13 15A
C145
A4 14BK PK
A4 14BK PK
F39 18PK LG
C101
46 CCD BUS(-)
26 CCD BUS(+)
POWERTRAIN CONTROL MODULE
D2 20WT BK
D1 20VT BR
DASHED LINES INDICATE TWISTED PAIRS D1+D2
(2) C127
ABS DATA LINK CONNECTOR
(6) (4) (1) C127
Z12 18BK TN
D1 20VT BR
D2 18WT BK
S112
8W-70-6
Z12 14BK TN
G104
8W-15-3
G-SENSOR
(3) (2) (1) C345
B517 18PK OR
B515 18YL VT
B516 18TN WT
C116
B517 18PK OR
B515 18YL VT
B516 18TN WT
D1 18VT BR
D2 18WT BK
C126
23 CCD BUS (+)
42 CCD BUS (-)
26 G SENSOR GND
25 G SENSOR #1 SENSE
43 G SENSOR #2 SENSE
ANTI-LOCK BRAKE SYSTEM CONTROL MODULE
(NEAR STEERING COLUMN)
J958W-13

VEHICLE SPEED CONTROL

VEHICLE SPEED CONTROL

The vehicle speed control system is operated by the Powertrain Control Module (PCM).

Circuit F12 from fuse 11 in the Power Distribution Center (PDC) supplies battery voltage to the vehicle speed control ON/OFF switch. Circuit A21 supplies voltage to fuse 11 when the ignition switch is in the START or RUN positions. In the START or RUN position the ignition switch connects circuit A21 with circuit A1. Fuse 6 in the PDC protects circuit A1.

The vehicle speed control ON/OFF switch supplies voltage to the SET/COAST and RESUME/ACCEL switches. Both switches send signals to the PCM (which supplies the ground path for the switches).

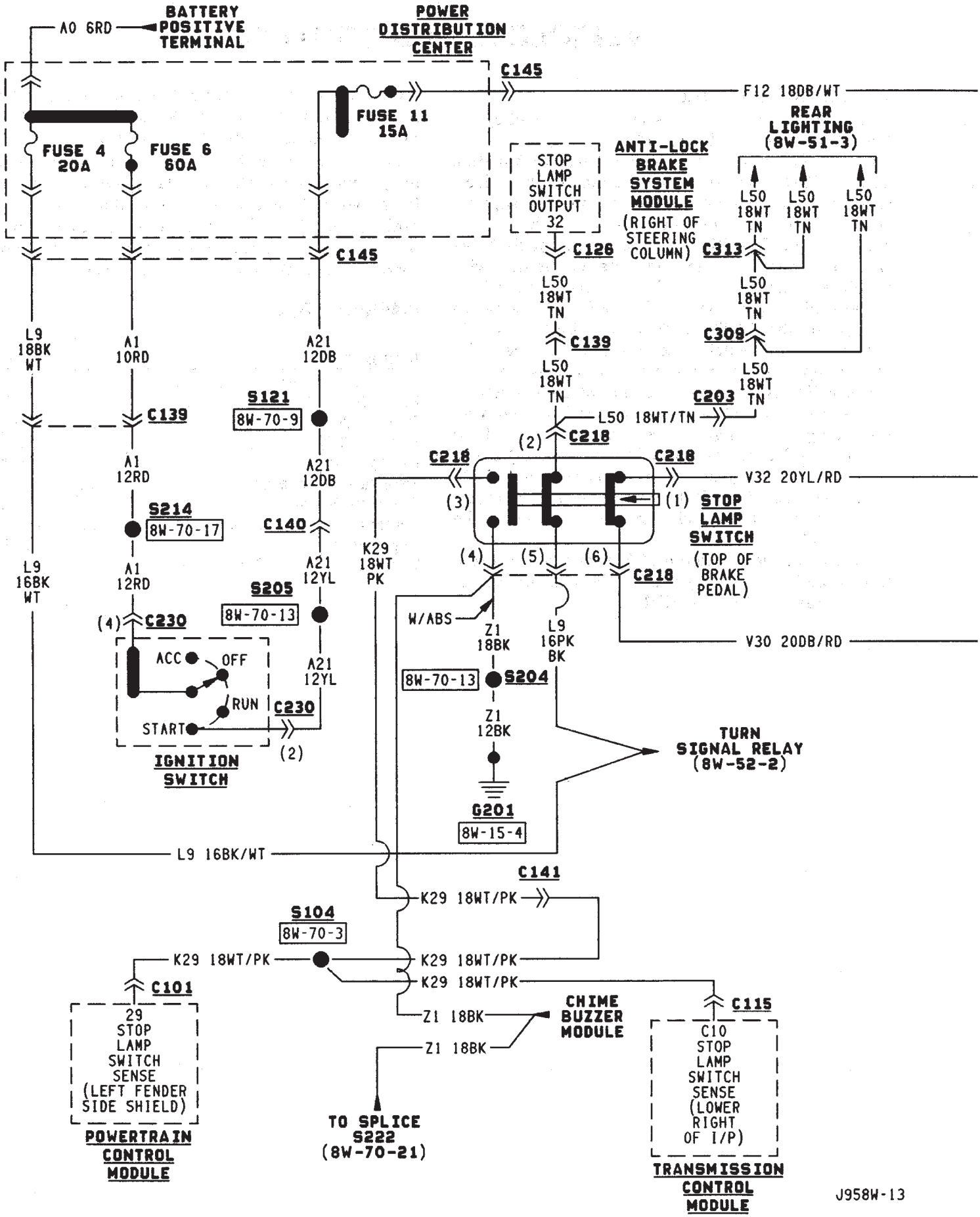
The PCM controls the vent and vacuum functions of the speed control servo on circuits V35 and V36. Depending on the signal it receives from the vehicle speed control switches, the PCM either applies vacuum to, or vents vacuum from, the servo. Circuit V36 from cavity 33 of the PCM sends the vacuum signal to the servo. Circuit V35 from cavity 53 sends the vent signal.

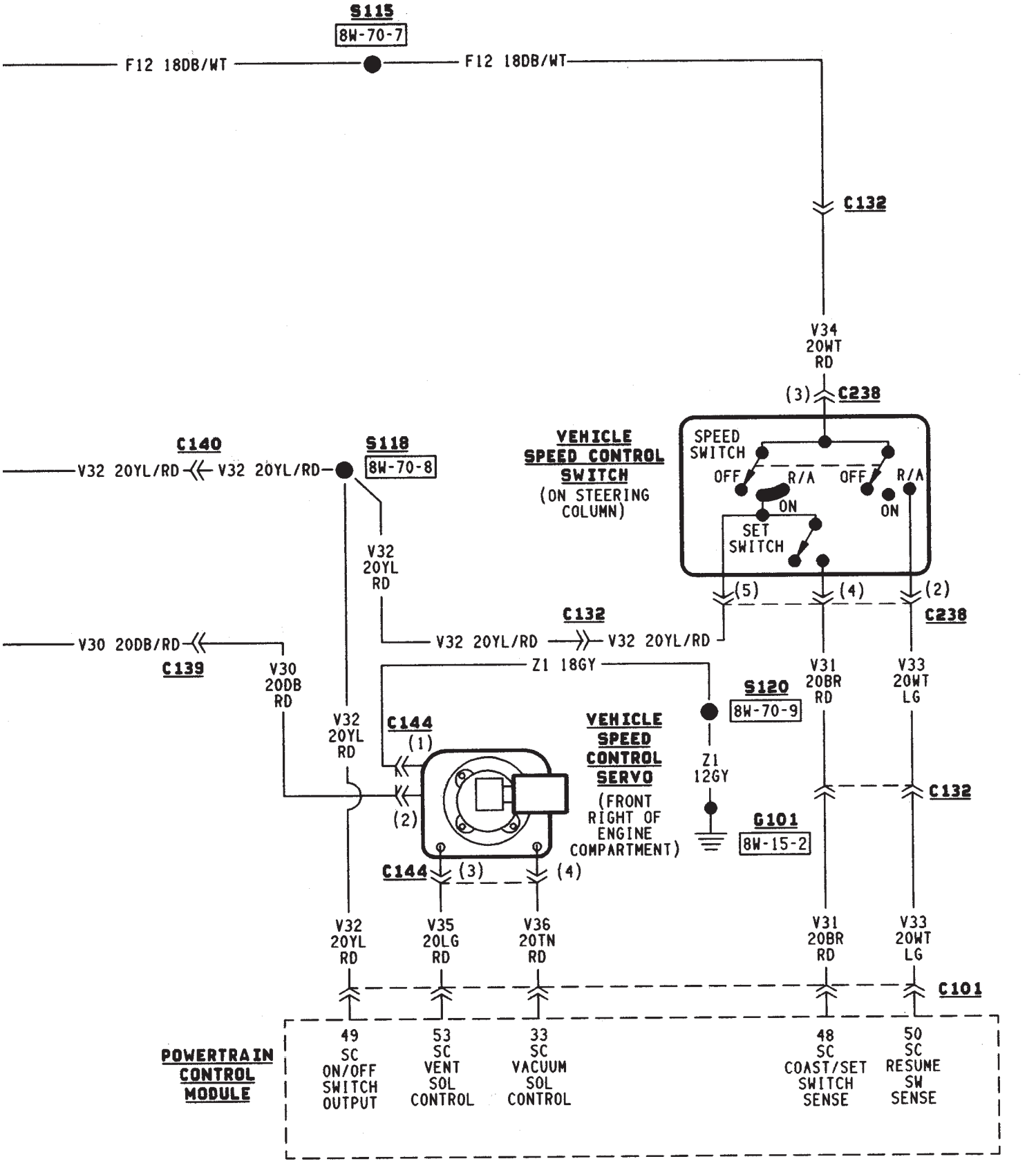
Circuit V32 signals to the PCM that the speed control switch is in the ON position. The V32 circuit connects to cavity 49 of the PCM.

Circuit V31 provides the SET/COAST signal to cavity 48 of the PCM. Circuit V33 sends the RESUME/ACCEL signal to cavity 50 of the PCM.

Circuit K29 connects to cavity 29 of the PCM and to ground through the stop lamp switch. The stop lamp switch OPENS when the operator depresses the brake pedal. The PCM disables speed control when the stop lamp switch opens. From the stop lamp switch, circuit Z1 provides ground for circuit K29.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
C145
FUSE 4 20A
FUSE 6 60A
FUSE 11 15A
F12 18DB/WT
REAR LIGHTING (8W-51-3)
STOP LAMP SWITCH OUTPUT 32
ANTI-LOCK BRAKE SYSTEM MODULE (RIGHT OF STEERING COLUMN)
C126
C313
L50 18WT TN
C139
C309
C203
L9 18BK WT
A1 10RD
A21 12DB
S121 8W-70-9
A1 12RD
S214 8W-70-17
C140
A21 12YL
S205 8W-70-13
L9 16BK WT
C230
ACC
OFF
RUN
START
IGNITION SWITCH
L50 18WT/TN
C218
V32 20YL/RD
STOP LAMP SWITCH (TOP OF BRAKE PEDAL)
K29 18WT PK
W/ABS
Z1 18BK
L9 16PK BK
V30 20DB/RD
S204 8W-70-13
Z1 12BK
G201 8W-15-4
TURN SIGNAL RELAY (8W-52-2)
L9 16BK/WT
C141
K29 18WT/PK
S104 8W-70-3
C101
29 STOP LAMP SWITCH SENSE (LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE
CHIME BUZZER MODULE
TO SPLICE S222 (8W-70-21)
C115
C10 STOP LAMP SWITCH SENSE (LOWER RIGHT OF I/P)
TRANSMISSION CONTROL MODULE
J958W-13


S115
8W-70-7
F12 18DB/WT
F12 18DB/WT
C132
V34
20WT
RD
(3)
C238
VEHICLE
SPEED CONTROL
SWITCH
(ON STEERING
COLUMN)
SPEED
SWITCH
OFF
R/A
OFF
R/A
ON
ON
SET
SWITCH
(5)
(4)
(2)
C238
C140
V32 20YL/RD
V32 20YL/RD
S118
8W-70-8
V32
20YL
RD
C132
V32 20YL/RD
V32 20YL/RD
V30 20DB/RD
C139
V30
20DB
RD
Z1 18GY
S120
8W-70-9
V31
20BR
RD
V33
20WT
LG
V32
20YL
RD
C144
(1)
(2)
VEHICLE
SPEED
CONTROL
SERVO
(FRONT
RIGHT OF
ENGINE
COMPARTMENT)
Z1
12GY
G101
8W-15-2
C132
C144
(3)
(4)
V32
20YL
RD
V35
20LG
RD
V36
20TN
RD
V31
20BR
RD
V33
20WT
LG
C101
POWERTRAIN
CONTROL
MODULE
49
SC
ON/OFF
SWITCH
OUTPUT
53
SC
VENT
SOL
CONTROL
33
SC
VACUUM
SOL
CONTROL
48
SC
COAST/SET
SWITCH
SENSE
50
SC
RESUME
SW
SENSE

J958W-13

INSTRUMENT CLUSTER

INDEX

INSTRUMENT CLUSTER

The instrument cluster contains the gauges and warning lamps. All gauges have magnetic movements.

When the ignition switch is in the START or RUN position, circuit A21 feeds circuit F87 through fuse 26 in the fuse block. Circuit A1 from fuse 6 in the Power Distribution Center (PDC) supplies voltage to circuit A21. Circuit A1 is HOT at all times.

Circuit F87 connects to the cluster connector to power the gauges and to the telltale connector to power the warning lamps.

Circuit E2 from fuse 25 in the fuse block feeds the illumination lamps. Circuit E2 originates at the headlamp switch and continues through fuse 25. The headlamp switch powers circuit E2 when the parking lamps or headlamp are ON.

Circuit Z2 provides ground for the indicator lamps and illumination lamps.

ENGINE COOLANT TEMPERATURE WARNING LAMP

Circuit G20 connects the engine coolant temperature warning lamp to the engine coolant temperature switch. When the switch closes, battery voltage from circuit F87 flows through the lamp to ground through the switch on circuit G20. The engine coolant temperature switch is case grounded to the engine. Circuit F87 connects to the instrument cluster connector and supplies voltage for the lamp.

Circuit G20 also connects to the warning lamp to ground when the ignition switch is in the START position. When the ignition switch is in the START position, the lamp illuminates for a bulb test.

FUEL GAUGE

The fuel level sensor is a variable resistor. Circuit G4 connects the fuel level sensor to the fuel gauge in the instrument cluster. Circuit F87 from fuse 26 in the fuse block supplies voltage to the fuel gauge. The fuel level sensor draws voltage from circuit F87 through the fuel gauge on circuit G4. Circuit G4 connects to the fuel level sensor. Circuit Z1 provides the ground path for the fuel level sensor.

As current flows through the coils in the fuel gauge, it creates a magnetic field. One of the coils in the gauge receives fixed current. The other coil is connected to the level sensor. The magnetic field controls the position of the fuel gauge pointer.

The fuel level sensor contains a variable resistor. As the position of the float arm on the fuel level sensor changes, the resistor changes the current flow through second coil in the fuel gauge. A change in current flow alters the magnetic field in the fuel gauge, which changes the pointer position.

OIL PRESSURE WARNING LAMP

The case grounded oil pressure switch connects to circuit G6. Circuit G6 connects to the oil pressure warning lamp. Circuit F87 connects to the instrument cluster connector and supplies battery voltage to oil pressure lamp.

When the oil pressure switch close, battery voltage flows through the warning lamp to ground through the switch, illuminating the lamp.

SPEEDOMETER

The speedometer and odometer receive a signal from the vehicle speed sensor on circuit G7. Circuit G7 also connects to the Powertrain Control Module (PCM) at cavity 47.

MALFUNCTION INDICATOR LAMP (MIL)

The PCM provides ground for the instrument cluster malfunction indicator lamp on circuit G3. Circuit G3 connects to cavity 32 of the PCM. Circuit F87 provides voltage for the lamp. The MIL displays the message CHECK ENGINE when illuminated.

For information regarding diagnostic trouble code access using the MIL lamp, refer to Group 14, Fuel Systems.

LOW WASHER FLUID WARNING LAMP

Circuit G29 connects the low washer fluid switch to the warning lamp in the instrument cluster. Circuit F12 supplies battery voltage to the switch.

When the low washer fluid switch closes, it connects circuits G29 and F12. Battery voltage from circuit F12 powers the low washer fluid lamp. Circuit Z1 at the instrument cluster provides ground to illuminate the warning lamp.

SEAT BELT INDICATOR WARNING LAMP

The seat belt indicator warning lamp is activated by the chime/buzzer on circuit G11. Circuit G11 supplies power to instrument cluster for the lamp. Circuit Z1 provides ground for the lamp at the cluster.

The chime/buzzer module powers circuit G11 after it receives an input on circuit G10 indicating the seat belt switch is open.

HIGH-BEAM INDICATOR LAMP

Circuit L3 supplies power for the high beam indicator lamp. The ground path for the lamp is through circuit Z1. Circuit Z1 provides ground for the indicator lamp at the cluster.

ABS WARNING LAMP

Circuit F87 provides power for the ABS warning lamp at the instrument cluster. Ground for the ABS warning lamp is provided by either the ABS control module or by the ABS power relay when the relay is not energized. The ABS control module illuminates the lamp by providing ground on circuit B205.

Circuit B205 splices to connect to circuit B235 through a diode. When the ABS power relay is not energized, it connects circuit B235 to circuit Z12. The ground path for the warning lamp is through the diode to circuit B235, through the ABS power relay to ground on circuit Z12.

The diode between circuits B205 and B235 prevents voltage from flowing to the ABS control module when the ABS power relay switches to supply power on circuit B235.

TURN SIGNAL INDICATOR LAMPS

Circuits L61 and L60 power for the turn signal indicator lamps. Circuit L61 powers the left indicator lamp. Circuit L60 powers the right indicator lamp. Circuit Z1 provides ground for the lamps.

BRAKE WARNING LAMP

Circuit F87 supplies power to the park brake lamp. Ground for the park brake lamp is supplied through the case grounded park brake switch or brake warning switch on circuit G9. Circuit G9 connects to the brake warning lamp at the instrument cluster.

FOUR-WHEEL DRIVE (4WD) SWITCH

When the 4WD switch closes, circuit Z1 provides ground for the 4WD indicator lamp in the instrument cluster. Circuit F87 connects to the instrument cluster and supplies battery voltage to the 4WD indicator lamp. Circuit G107 connects the indicator lamp to the 4WD switch. Circuit G106 connects the lamp to the instrument cluster and circuit F87.

TACHOMETER

The Powertrain Control Module (PCM) supplies the signal to the tachometer on circuit G21. Circuit G21 connects to cavity 43 of the PCM.

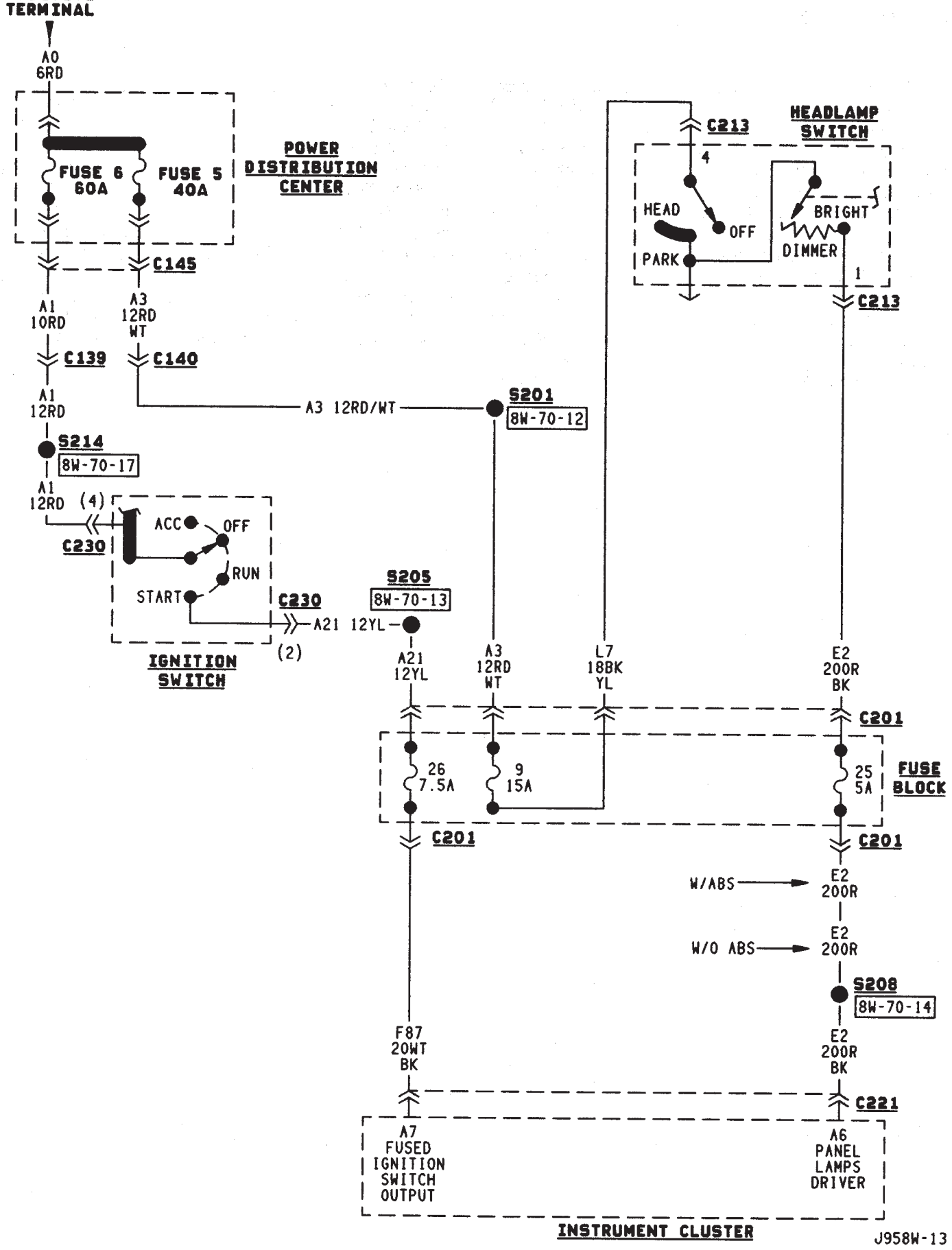
CLUSTER GROUND

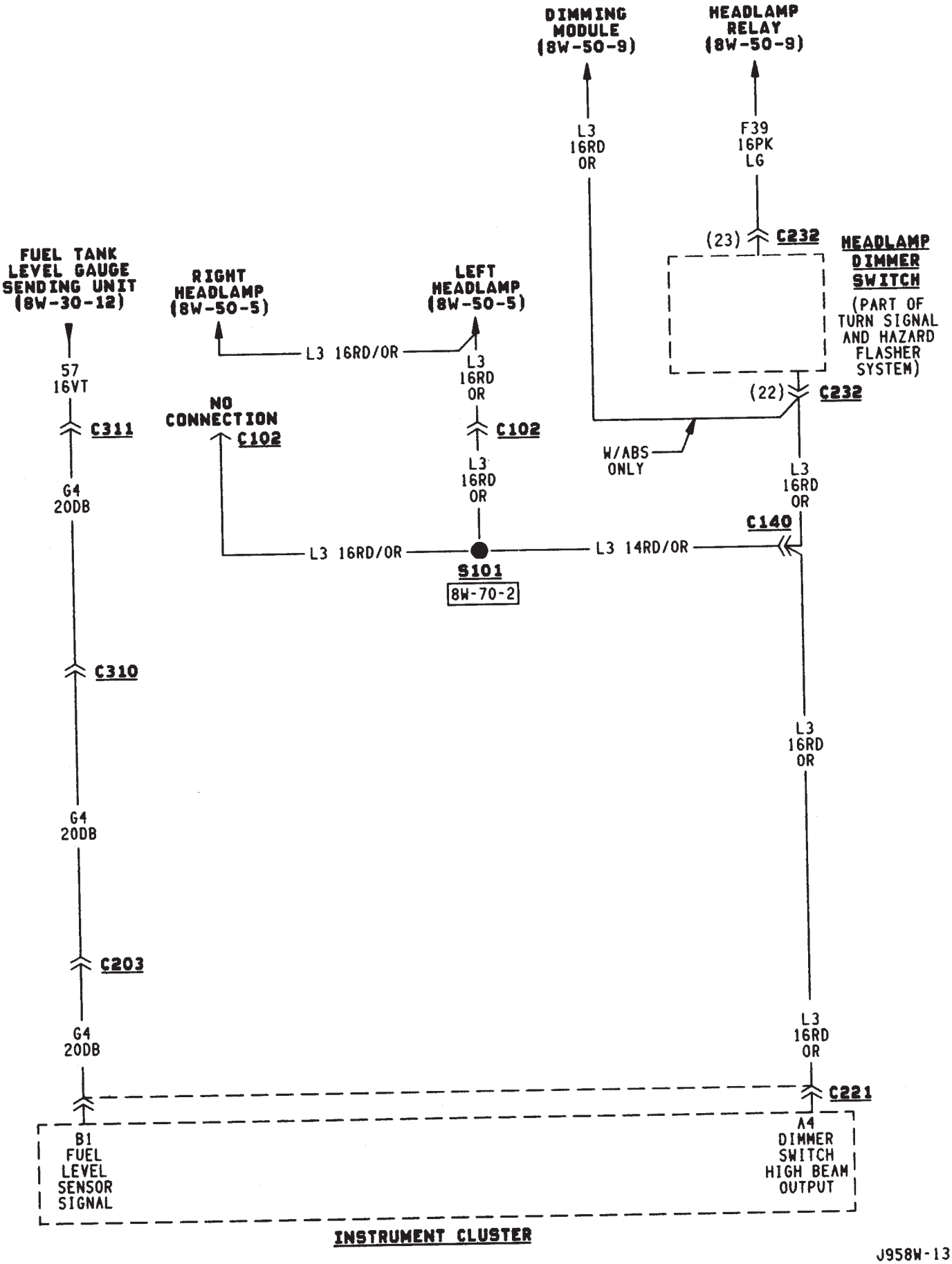
Circuit Z1 from the instrument cluster left connector provides ground for the illumination lamps and indicator lamps.

HELPFUL INFORMATION

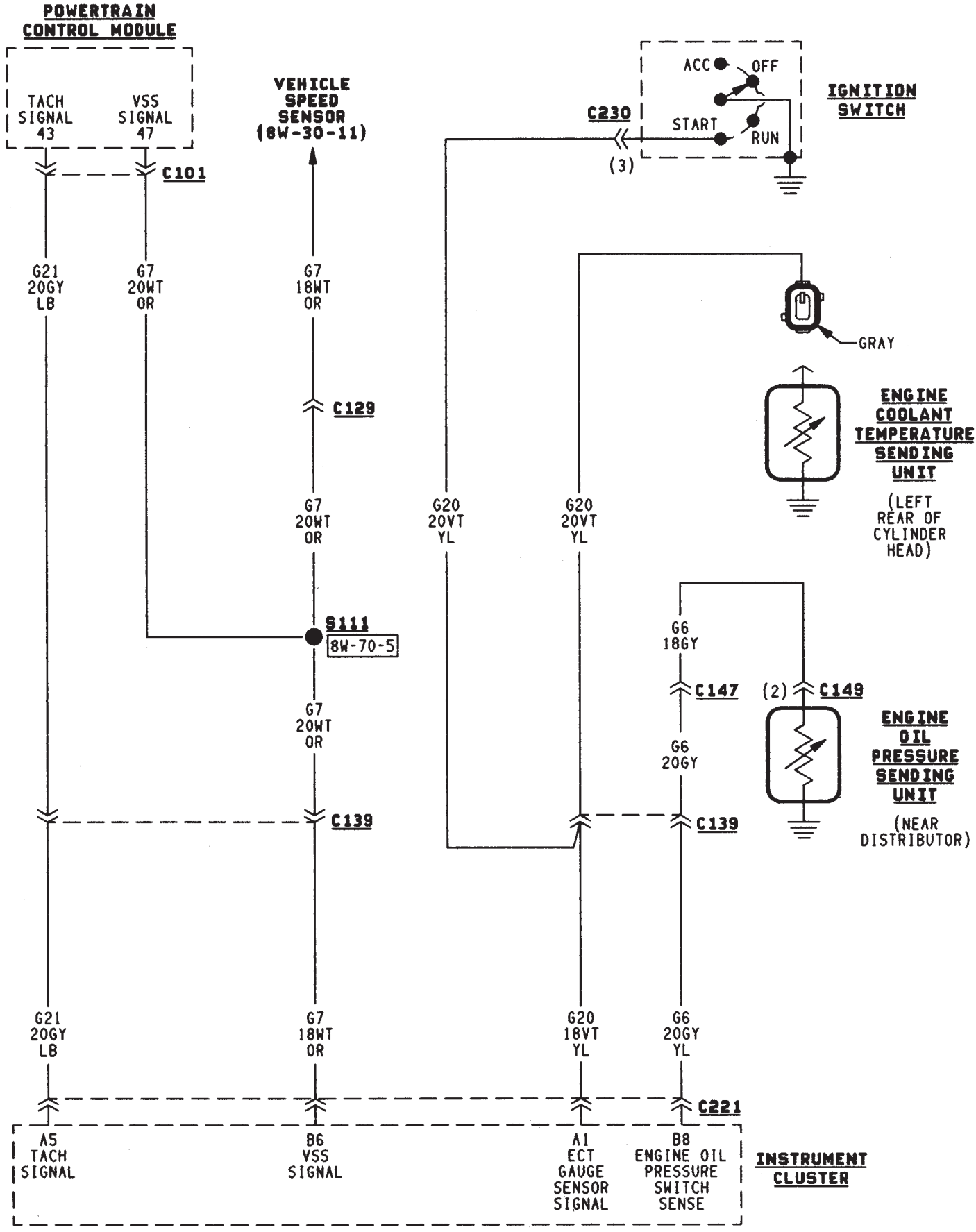
- If the warning lamps don't operate, check fuse 26 in the fuse block.
- If the indicator lamps don't operate, check fuse 14 in the fuse block.
- If the illumination lamps don't operate, check fuse 25 in the fuse block.

DIAGRAM INDEX

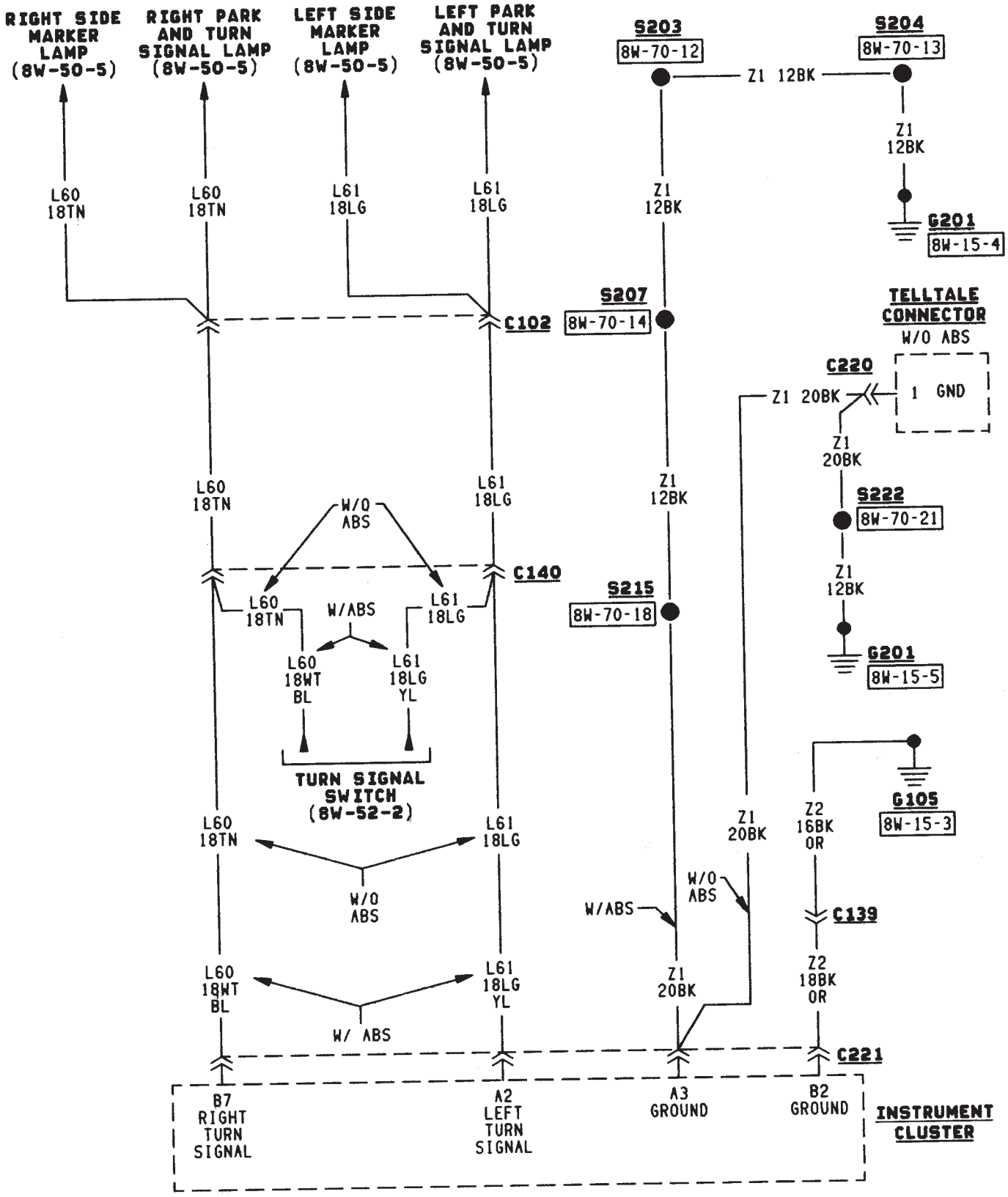

BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 6 60A
FUSE 5 40A
POWER DISTRIBUTION CENTER
C145
A1 10RD
A3 12RD WT
C139
C140
A1 12RD
A3 12RD/WT
S201
8W-70-12
S214
8W-70-17
A1 12RD
(4)
C230
ACC
OFF
RUN
START
C230
(2)
IGNITION SWITCH
S205
8W-70-13
A21 12YL
C213
HEADLAMP SWITCH
4
HEAD
OFF
PARK
BRIGHT
DIMMER
1
C213
A21 12YL
A3 12RD WT
L7 18BK YL
E2 200R BK
C201
26 7.5A
9 15A
25 5A
FUSE BLOCK
C201
C201
W/ABS
E2 200R
W/O ABS
E2 200R
S208
8W-70-14
F87 20WT BK
E2 200R BK
C221
A7 FUSED IGNITION SWITCH OUTPUT
A6 PANEL LAMPS DRIVER
INSTRUMENT CLUSTER
J958W-13


DIMMING MODULE (8W-50-9)
HEADLAMP RELAY (8W-50-9)
L3 16RD OR
F39 16PK LG
(23) C232
HEADLAMP DIMMER SWITCH
(PART OF TURN SIGNAL AND HAZARD FLASHER SYSTEM)
(22) C232
FUEL TANK LEVEL GAUGE SENDING UNIT (8W-30-12)
RIGHT HEADLAMP (8W-50-5)
LEFT HEADLAMP (8W-50-5)
L3 16RD/OR
57 16VT
C311
NO CONNECTION
C102
L3 16RD OR
C102
W/ABS ONLY
L3 16RD OR
G4 20DB
C140
L3 16RD/OR
L3 14RD/OR
S101
8W-70-2
C310
L3 16RD OR
G4 20DB
C203
G4 20DB
L3 16RD OR
C221
B1 FUEL LEVEL SENSOR SIGNAL
A4 DIMMER SWITCH HIGH BEAM OUTPUT
INSTRUMENT CLUSTER

J958W-13

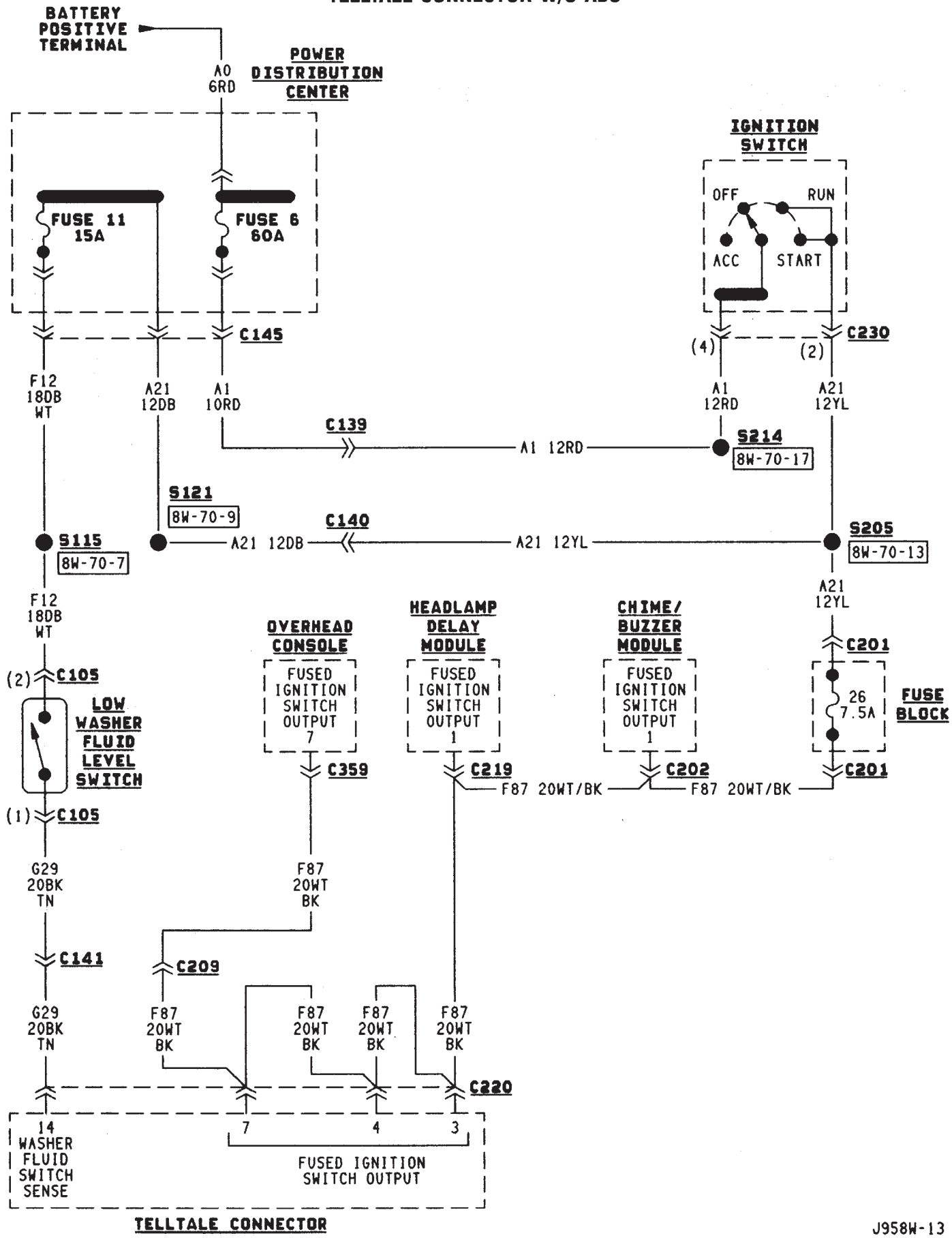

POWERTRAIN CONTROL MODULE
TACH SIGNAL 43
VSS SIGNAL 47
C101
VEHICLE SPEED SENSOR (8W-30-11)
C230
(3)
ACC
OFF
START
RUN
IGNITION SWITCH
G21 20GY LB
G7 20WT OR
G7 18WT OR
C129
G7 20WT OR
S111
8W-70-5
G7 20WT OR
C139
G20 20VT YL
G20 20VT YL
GRAY
ENGINE COOLANT TEMPERATURE SENDING UNIT
(LEFT REAR OF CYLINDER HEAD)
G6 18GY
C147
(2)
C149
G6 20GY
C139
ENGINE OIL PRESSURE SENDING UNIT
(NEAR DISTRIBUTOR)
G21 20GY LB
G7 18WT OR
G20 18VT YL
G6 20GY YL
C221
A5 TACH SIGNAL
B6 VSS SIGNAL
A1 ECT GAUGE SENSOR SIGNAL
B8 ENGINE OIL PRESSURE SWITCH SENSE
INSTRUMENT CLUSTER

J958W-13


RIGHT SIDE MARKER LAMP (8W-50-5)
RIGHT PARK AND TURN SIGNAL LAMP (8W-50-5)
LEFT SIDE MARKER LAMP (8W-50-5)
LEFT PARK AND TURN SIGNAL LAMP (8W-50-5)
S203
8W-70-12
S204
8W-70-13
Z1 12BK
L60 18TN
L61 18LG
G201
8W-15-4
S207
8W-70-14
TELLTALE CONNECTOR
W/O ABS
C102
C220
1 GND
Z1 20BK
S222
8W-70-21
W/O ABS
C140
W/ABS
S215
8W-70-18
G201
8W-15-5
L60 18WT BL
L61 18LG YL
TURN SIGNAL SWITCH (8W-52-2)
G105
8W-15-3
Z2 16BK OR
C139
Z2 18BK OR
C221
B7 RIGHT TURN SIGNAL
A2 LEFT TURN SIGNAL
A3 GROUND
B2 GROUND
INSTRUMENT CLUSTER

J958W-13

TELLTALE CONNECTOR W/O ABS



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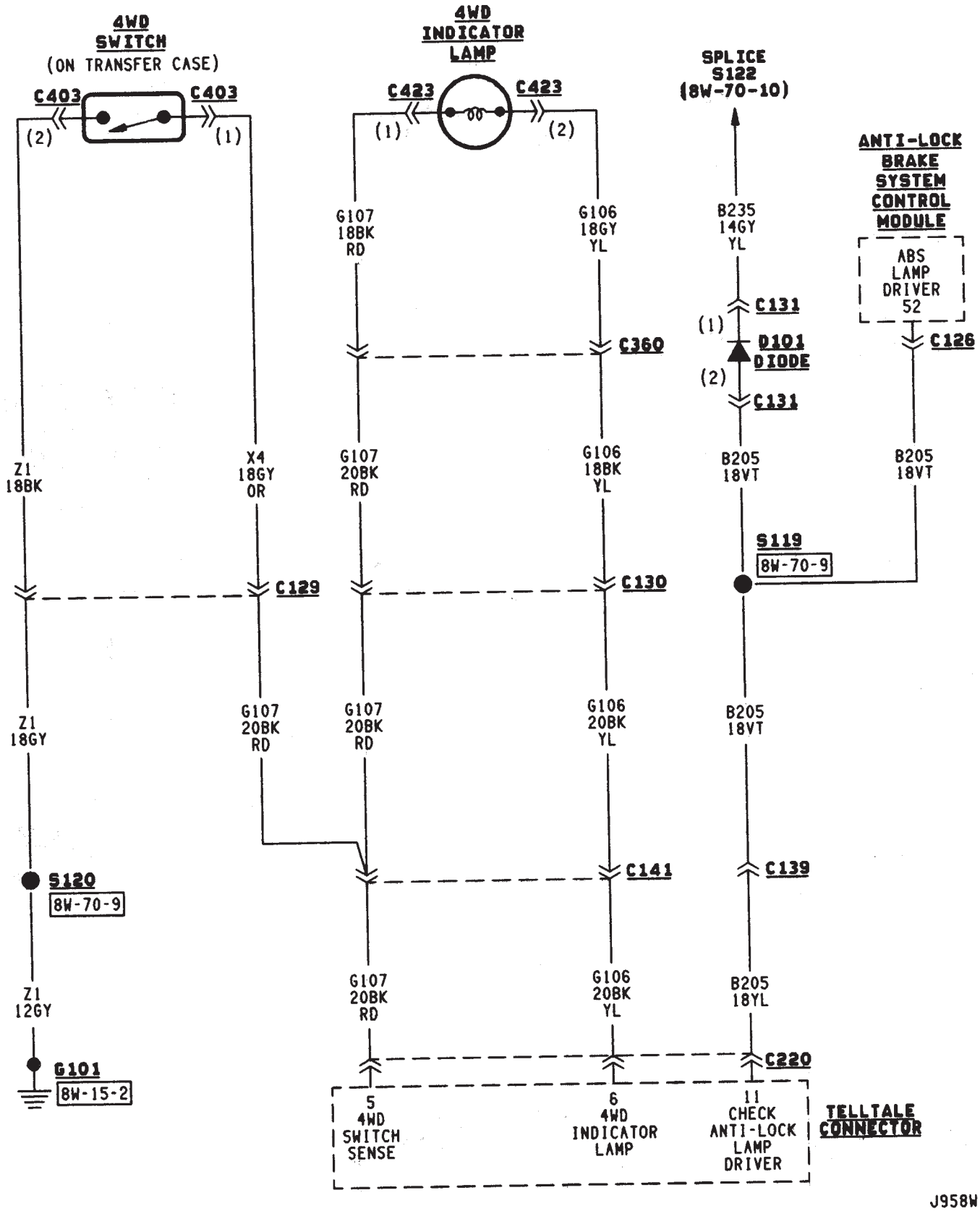
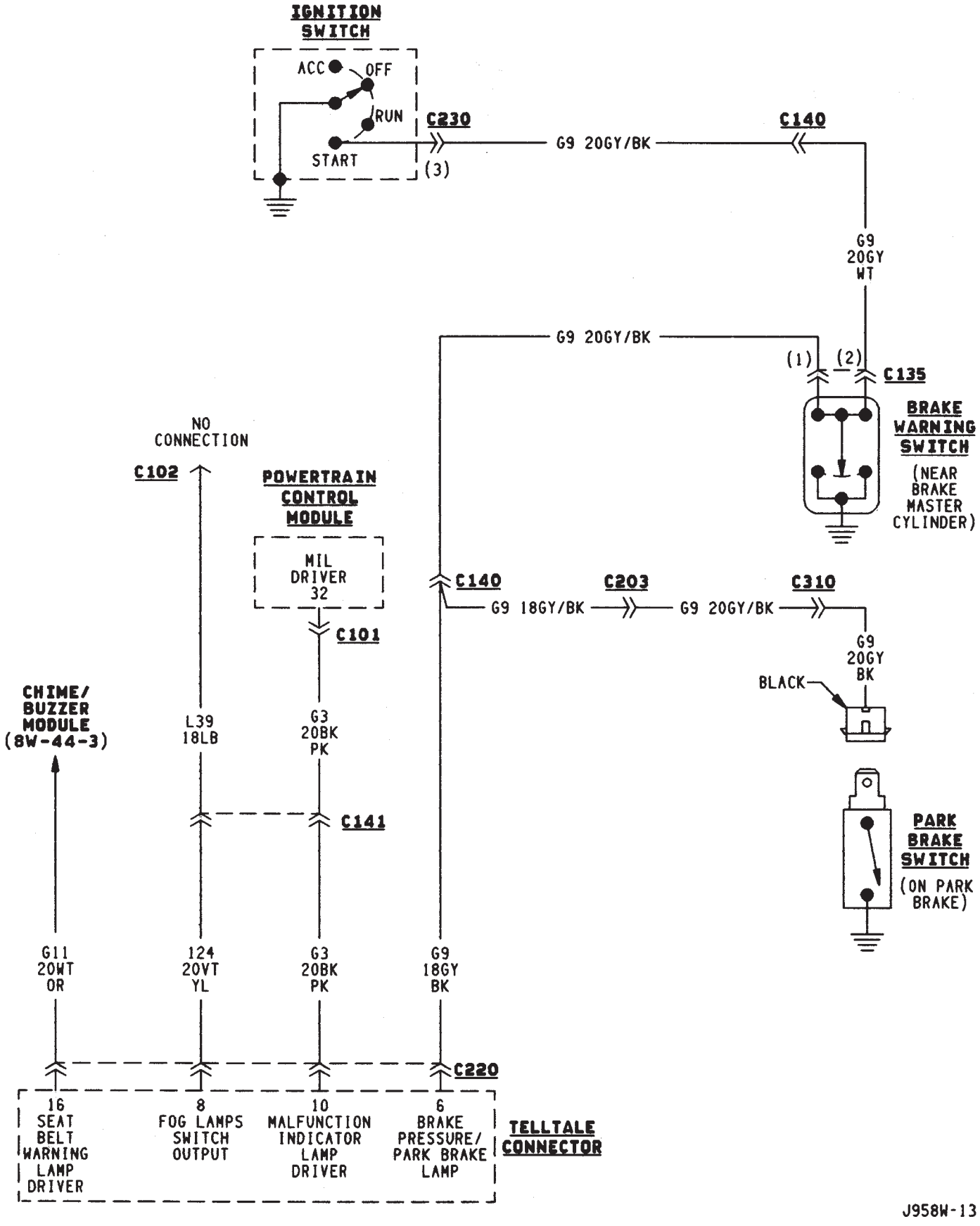
TELLTALE CONNECTOR W/O ABS



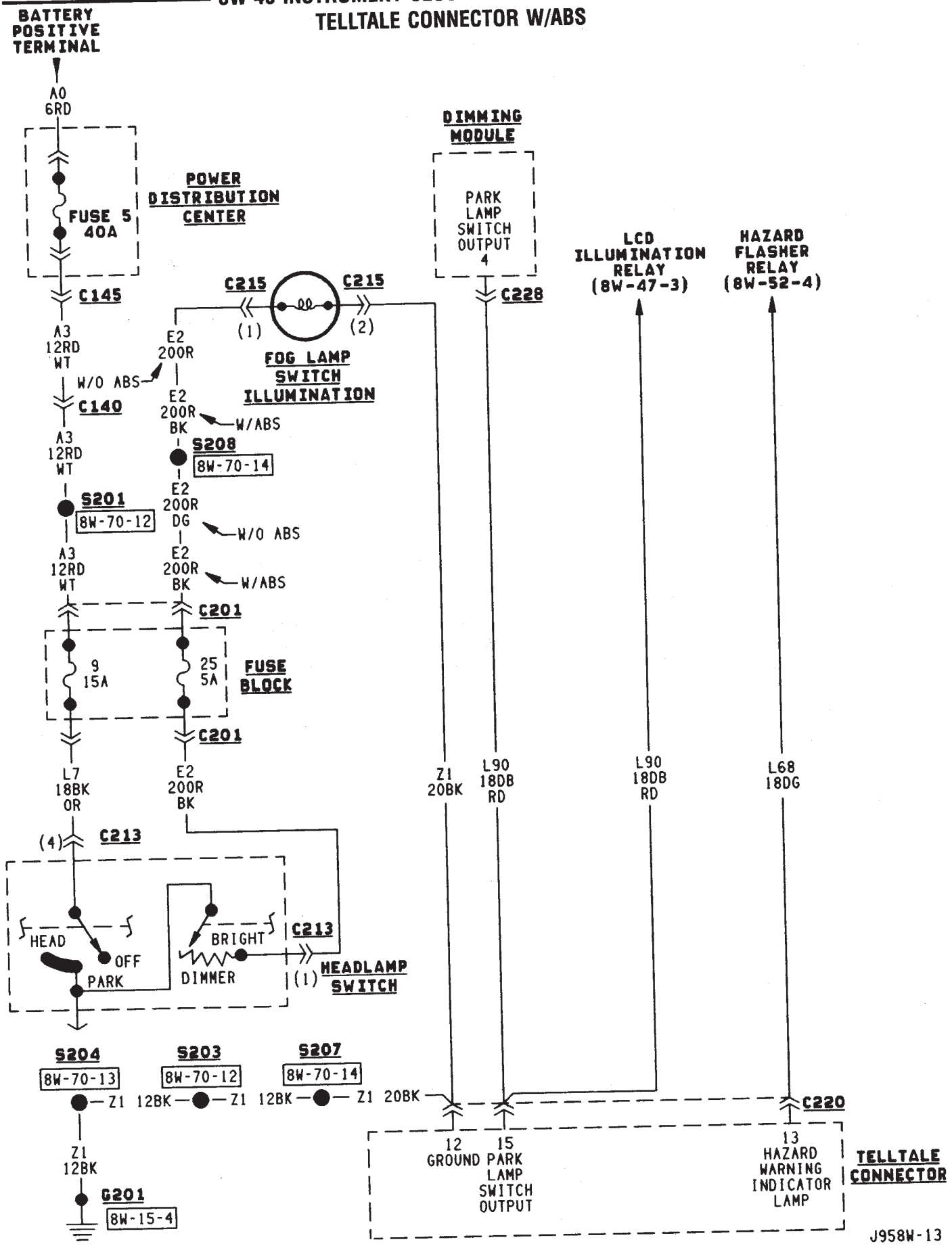
J958W-13

TELLTALE CONNECTOR W/ABS

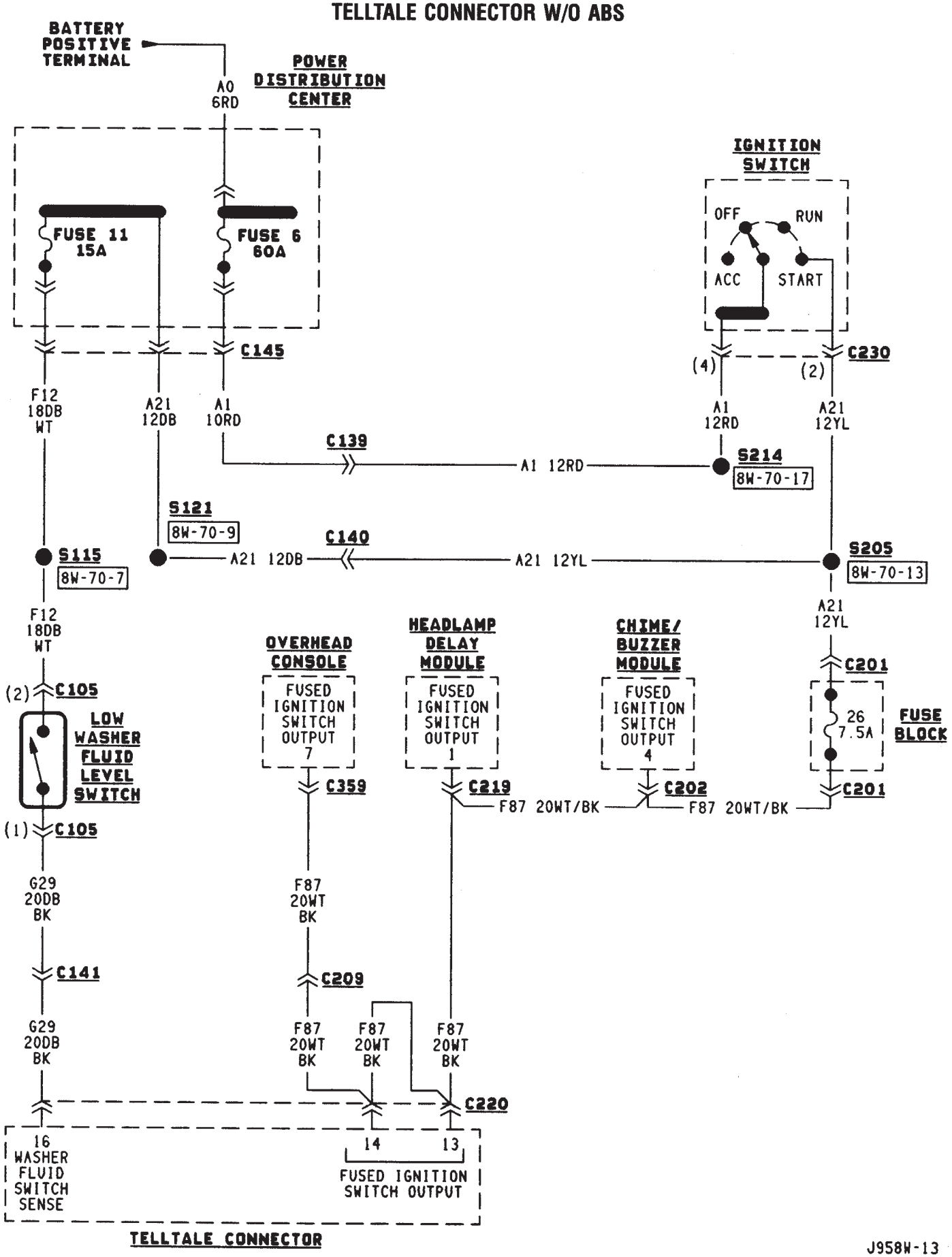


J958W-13

TELLTALE CONNECTOR W/ABS

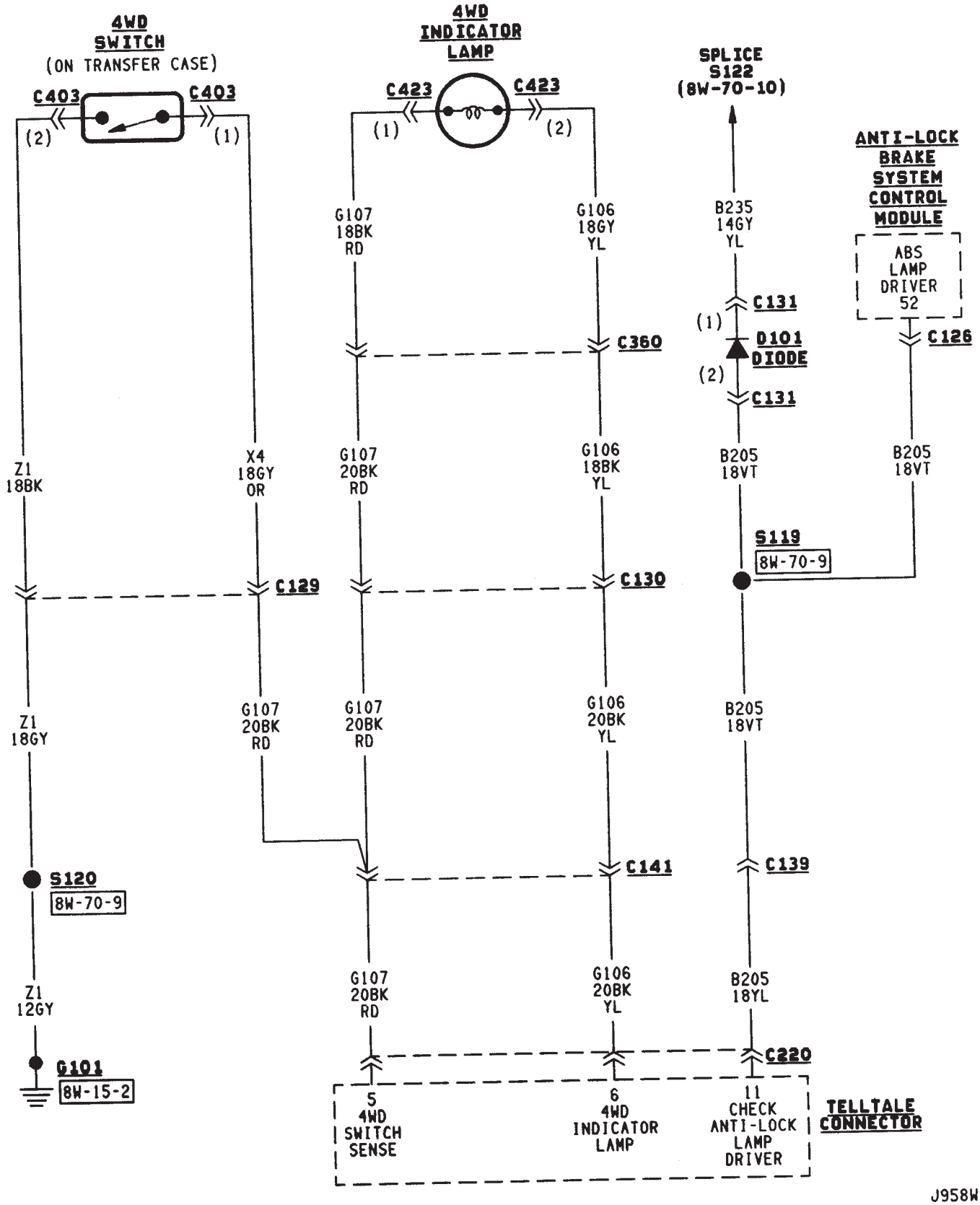


TELLTALE CONNECTOR W/O ABS



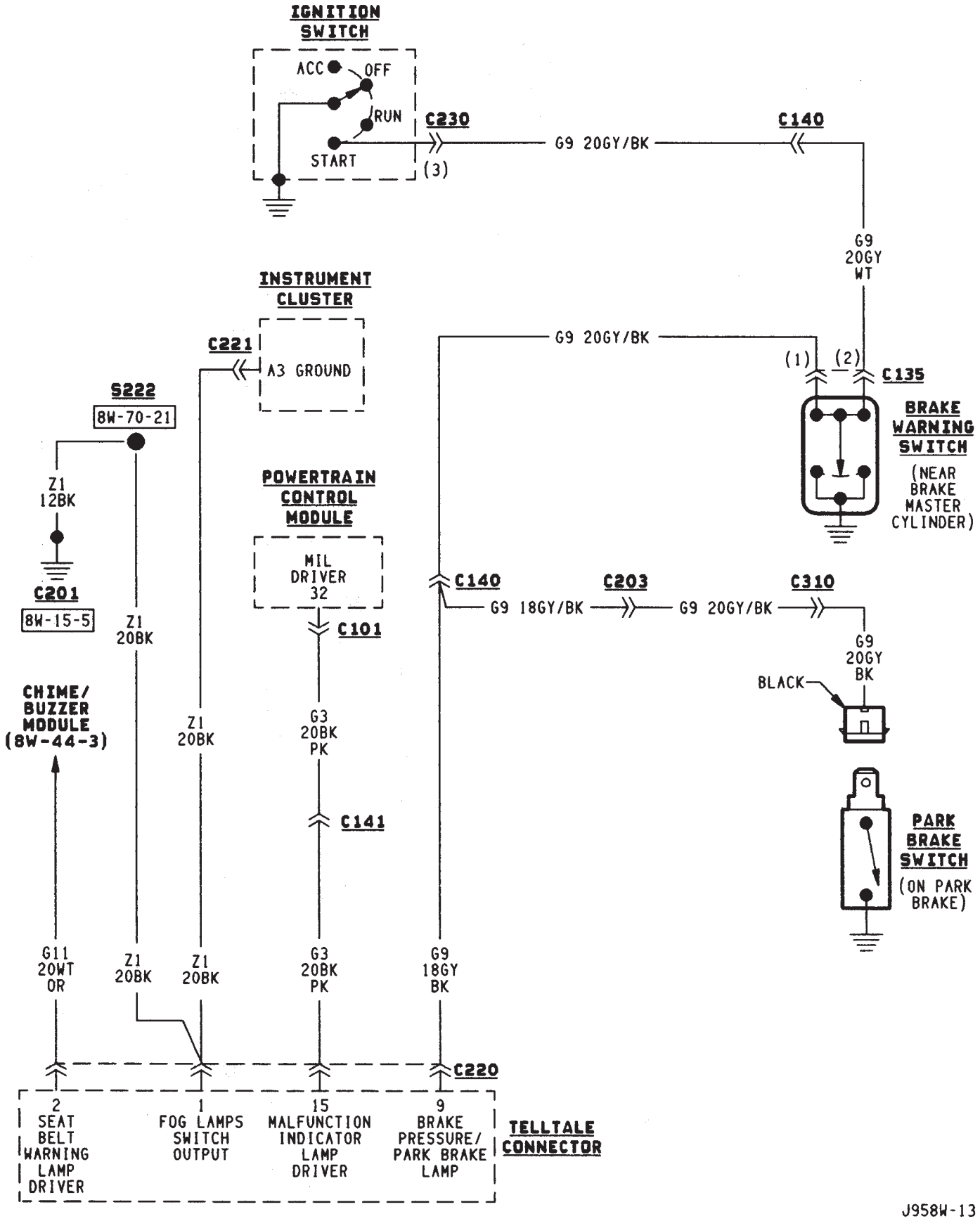
J958W-13

TELLTALE CONNECTOR W/O ABS



J958W-13

TELLTALE CONNECTOR W/O ABS



J958W-13

HORN/CIGAR LIGHTER

HORN

The horn system uses two switches and horn relay. The horn switches are on the steering wheel.

Circuit A7 from fuse 3 in the power distribution center (PDC) feeds a fuse block bus bar that powers circuit X4 through fuse 5 in the fuse block. Circuit X4 is HOT at all times and powers the coil and contact sides of the horn relay.

When the case grounded horn switch is depressed, circuit X3 provides ground for the coil side of the relay and the contacts close. When the contacts close, circuit X2 supplies voltage to the case grounded horns.

HELPFUL INFORMATION

- The horn switches are grounded to the steering wheel.
- Circuit X4 is double crimped at the coil side of the horn relay.
- Check fuse 3 in the PDC and fuse 5 in the fuse block.

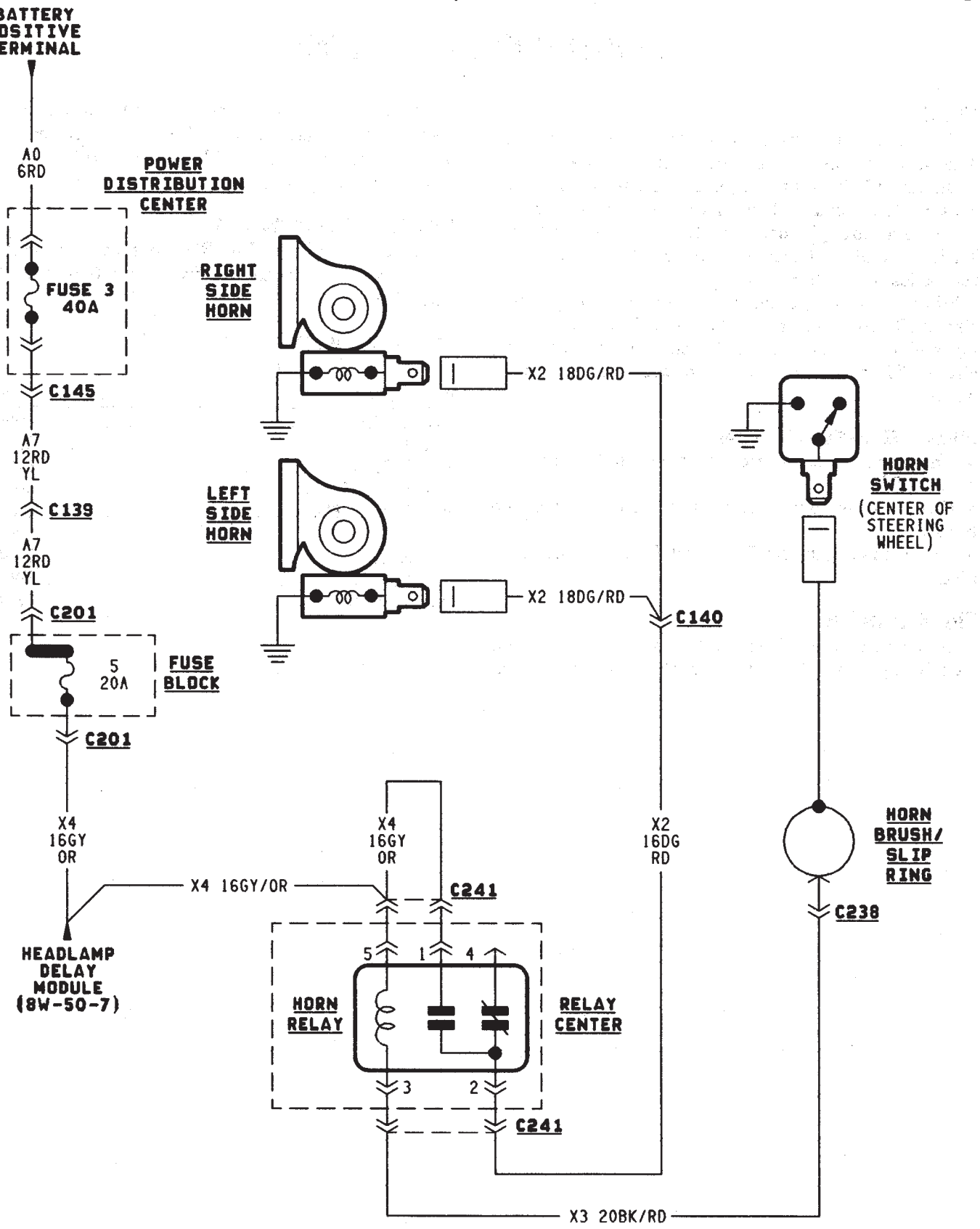
CIGAR LIGHTER

In the ACCESSORY or RUN position, the ignition switch supplies voltage to fuse 13 in the fuse block on circuit A48. Fuse 13 feeds circuit F85 which connects to the cigar lighter. When the lighter is depressed, the contacts inside of the lighter element close and voltage flows to ground on circuit Z1.

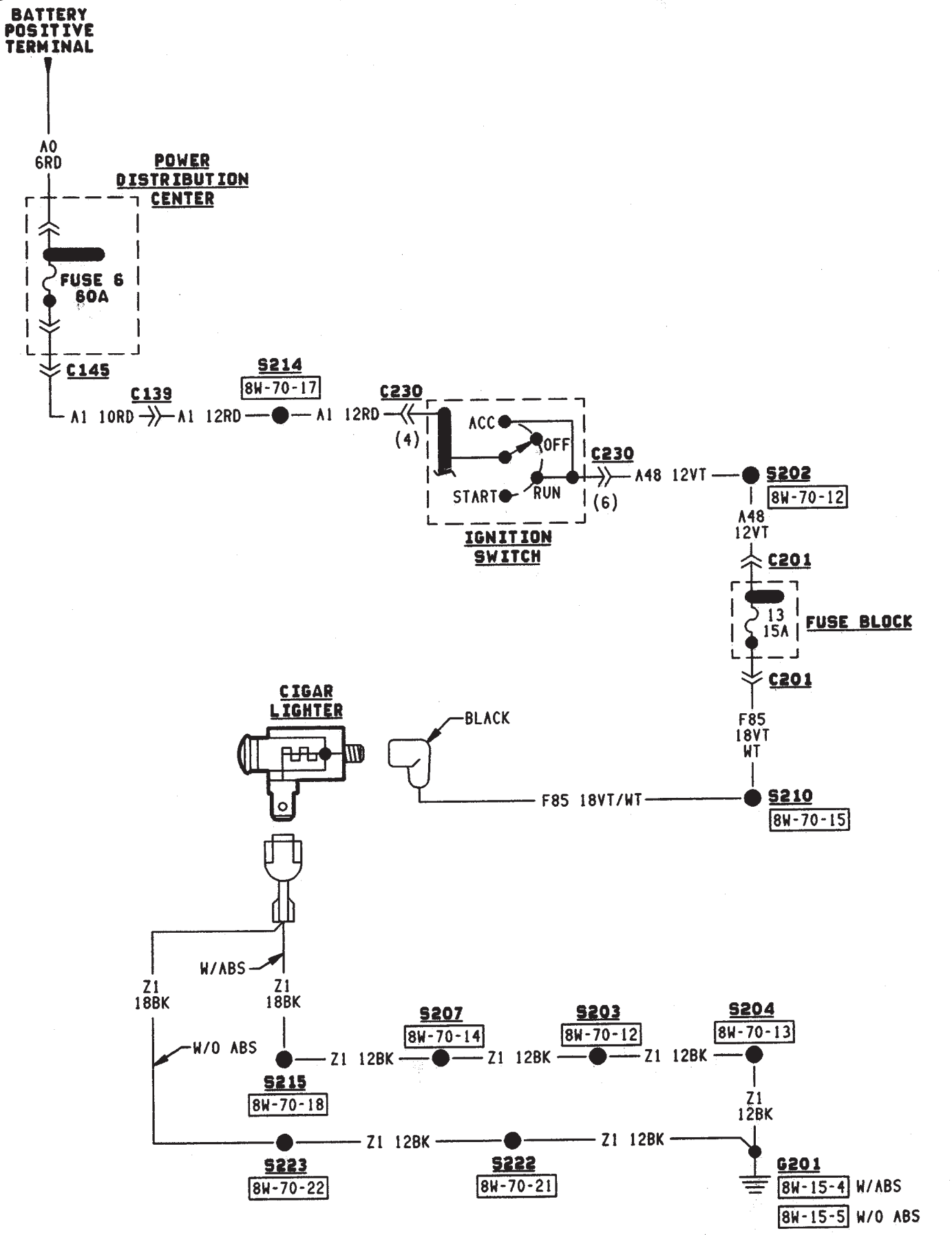
HELPFUL INFORMATION

- In the ACCESSORY or RUN position, the ignition switch connects circuit A1 from fuse 6 in the PDC with circuit A48.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 3 40A
C145
A7 12RD YL
C139
A7 12RD YL
C201
5 20A
FUSE BLOCK
C201
RIGHT SIDE HORN
LEFT SIDE HORN
X2 18DG/RD
X2 18DG/RD
C140
HORN SWITCH
(CENTER OF STEERING WHEEL)
HORN BRUSH/ SLIP RING
C238
X4 16GY OR
X4 16GY/OR
HEADLAMP DELAY MODULE (8W-50-7)
X4 16GY OR
C241
X2 16DG RD
5
1
4
HORN RELAY
RELAY CENTER
3
2
C241
X3 20BK/RD

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
C145
C139
A1 10RD
A1 12RD
S214
8W-70-17
A1 12RD
C230
(4)
ACC
OFF
START
RUN
(6)
IGNITION SWITCH
C230
A48 12VT
S202
8W-70-12
A48 12VT
C201
13 15A
FUSE BLOCK
C201
F85 18VT WT
S210
8W-70-15
F85 18VT/WT
BLACK
CIGAR LIGHTER
W/ABS
Z1 18BK
Z1 18BK
W/O ABS
Z1 12BK
S215
8W-70-18
S207
8W-70-14
Z1 12BK
S203
8W-70-12
Z1 12BK
S204
8W-70-13
Z1 12BK
Z1 12BK
Z1 12BK
S223
8W-70-22
S222
8W-70-21
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS

J958W-13

AIR CONDITIONING/HEATER

CONTENTS

GENERAL INFORMATION

This section of the wiring diagrams is divided into two sub-sections; Heater, and A/C and Heater. When referring to the circuit descriptions or wiring diagrams, ensure that you use the correct sub-section.

HEATER SYSTEM

BLOWER MOTOR

In the RUN or ACCESSORY position, the ignition switch connects circuit A1 from fuse 6 in the PDC to circuit A48. Circuit A48 supplies battery voltage to fuse 4 in the fuse block. Fuse 4 supplies power to the heat mode switch on circuit C7.

Circuit C43 from the heat mode switch splices to supply voltage to the blower motor switch and the blower motor resistor block. The blower motor switch sets blower motor speed to HIGH, M1, M2, or LOW.

When the blower motor switch is in the LOW position, circuit C43 from the heat mode supplies voltage to the resistor block. Voltage does not pass through the blower motor switch in the LOW position.

In the M1 position, the blower motor switch supplies voltage to the resistor block on circuit C4. From circuit C4, voltage passes through three resistors in the resistor block to the blower motor on circuit C1.

In the M2 position, the blower motor supplies voltage to the resistor block on circuit C6. From circuit C6 voltage flows through two resistors to the blower motor on circuit C1.

In the HIGH position, the blower motor switch connects directly to the blower motor on circuit C1. Voltage does not pass through the resistor block in the HIGH position.

Circuit Z1 provides ground for the blower motor.

DIAGRAM INDEX

AC/HEATER SYSTEM

GENERAL INFORMATION

Several fuses supply power for the air conditioning/heater system. In the START or RUN positions, the ignition switch connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 powers a bus bar in the PDC that feeds circuit F12 through fuse 11. Circuit F12 feeds the contact side of the A/C compressor clutch relay and the coil side of the radiator fan relay.

In the RUN or ACCESSORY position, the ignition switch connects circuit A1 from fuse 6 in the PDC to circuit A48. Circuit A48 supplies battery voltage to fuse 4 in the fuse block. Fuse 4 supplies power to the A/C-Heater control switch on circuit C7.

Fuse 15 in the PDC supplies battery voltage to the contact side of the radiator fan relay on circuit F141. Circuit A14 from fuse 2 in the PDC powers PDC fuse 15.

BLOWER MOTOR

In the RUN or ACCESSORY position, the ignition switch connects circuit A1 from fuse 6 in the PDC to circuit A48. Circuit A48 supplies battery voltage to

fuse 4 in the fuse block. Fuse 4 supplies power to the A/C-Heater control switch on circuit C7.

Circuit C43 from the A/C-heater switch splices to supply voltage to the blower motor switch and the blower motor resistor block. The blower motor switch sets blower motor speed to HIGH, M1, M2, or LOW.

When the blower motor switch is in the LOW position, circuit C43 from the A/C-Heater switch supplies voltage to the resistor block. Voltage does not pass through the blower motor switch in the LOW position

In the M1 position, the blower motor switch supplies voltage to the resistor block on circuit C4. From circuit C4, voltage passes through three resistors in the resistor block to the blower motor on circuit C1.

In the M2 position, the blower motor supplies voltage to the resistor block on circuit C6. From circuit C6 voltage flows through two resistors to the blower motor on circuit C1.

In the HIGH position, the blower motor switch connects directly to the blower motor on circuit C1. Voltage does not pass through the resistor block in the HIGH position.

Circuit Z1 provides ground for the blower motor.

AIR CONDITIONING OPERATION

When the A/C-heater control switch is moved to an A/C position or the defrost position, the Powertrain Control Module (PCM) receives the A/C select signal on circuit C90. Circuit C90 connects to cavity 28 of the PCM.

Circuit also C90 splices to the low pressure switch and to supply battery voltage to the coil side of the A/C compressor clutch relay. If the low pressure switch is closed, circuit C90 connects to circuit C21. Circuit C21 supplies battery voltage to the A/C cycling switch. Circuit C91 from the A/C cycling switch provides the A/C request signal to the PCM. Circuit C91 connects to cavity 27 of the PCM. Circuit Z1 provides ground for the A/C cycling switch.

After receiving the A/C request signal, the PCM supplies ground for the A/C compressor clutch relay on circuit C13. Circuit F12 from fuse 11 in the PDC supplies battery voltage to the contact side of the A/C compressor clutch relay. When the PCM grounds the relay, the contacts close and connect circuit F12 to circuit C3. Circuit C3 feeds the A/C compressor clutch.

Also after receiving the A/C request signal, the PCM supplies ground for the coil side of the radiator fan relay on circuit C27 (4.0L engine). Circuit C27 connects to cavity 31 of the PCM. Circuit F12 supplies battery voltage to the coil side of the relay.

When the PCM grounds the coil side of the radiator fan relay, the contacts close and connect circuit F141 from fuse 15 in the PDC to circuit C25. Circuit C25 feeds the radiator fan motor. Circuit Z1 provides ground for the motor.

HELPFUL INFORMATION

Circuit A14 from PDC fuse 2 powers circuit F141 through fuse 15 in the PDC.

RADIATOR FAN RELAY AND MOTOR

In the START or RUN positions, the ignition switch connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 powers a bus bar in the PDC that feeds circuit F12 through fuse 11. Circuit F12 feeds the coil side of the radiator fan relay.

The PCM supplies ground for the coil side of the radiator fan relay on circuit C27. Circuit C27 connects to cavity 31 of the PCM.

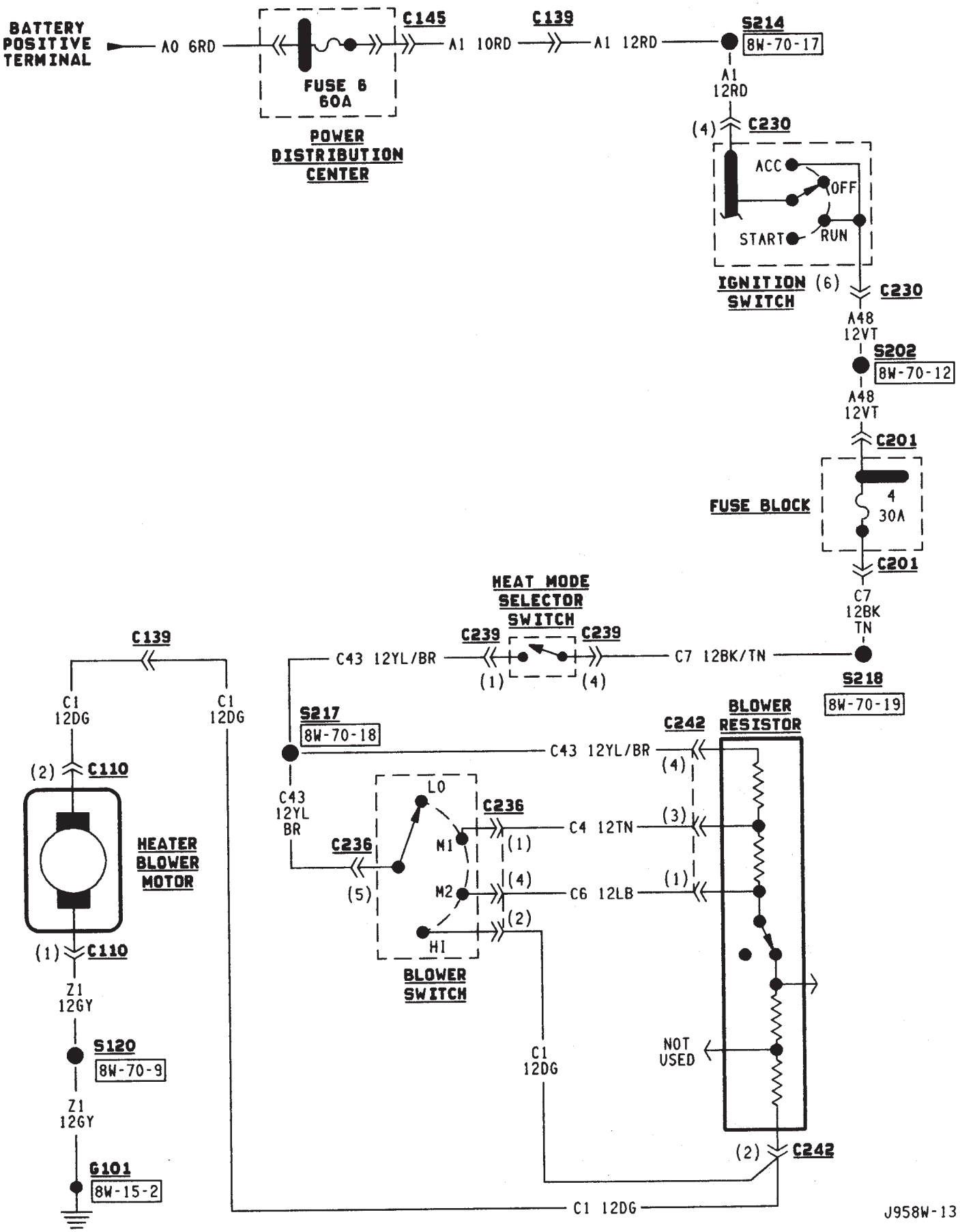
When the PCM grounds the coil side of the radiator fan relay, the contacts close and connect circuit F141 from fuse 15 in the PDC to circuit C25. Circuit C25 feeds the radiator fan motor. Circuit Z1 provides ground for the radiator fan motor.

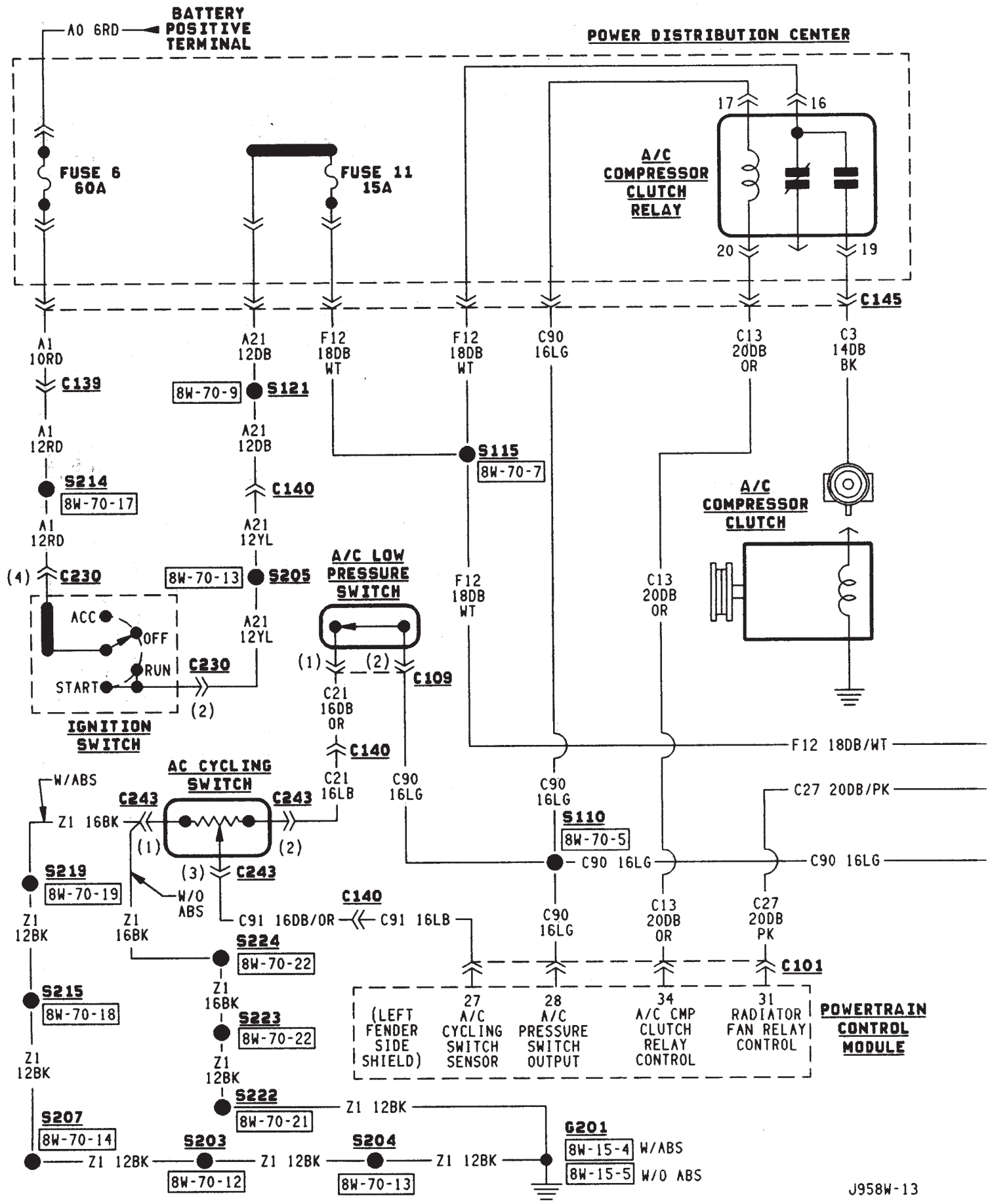
HELPFUL INFORMATION

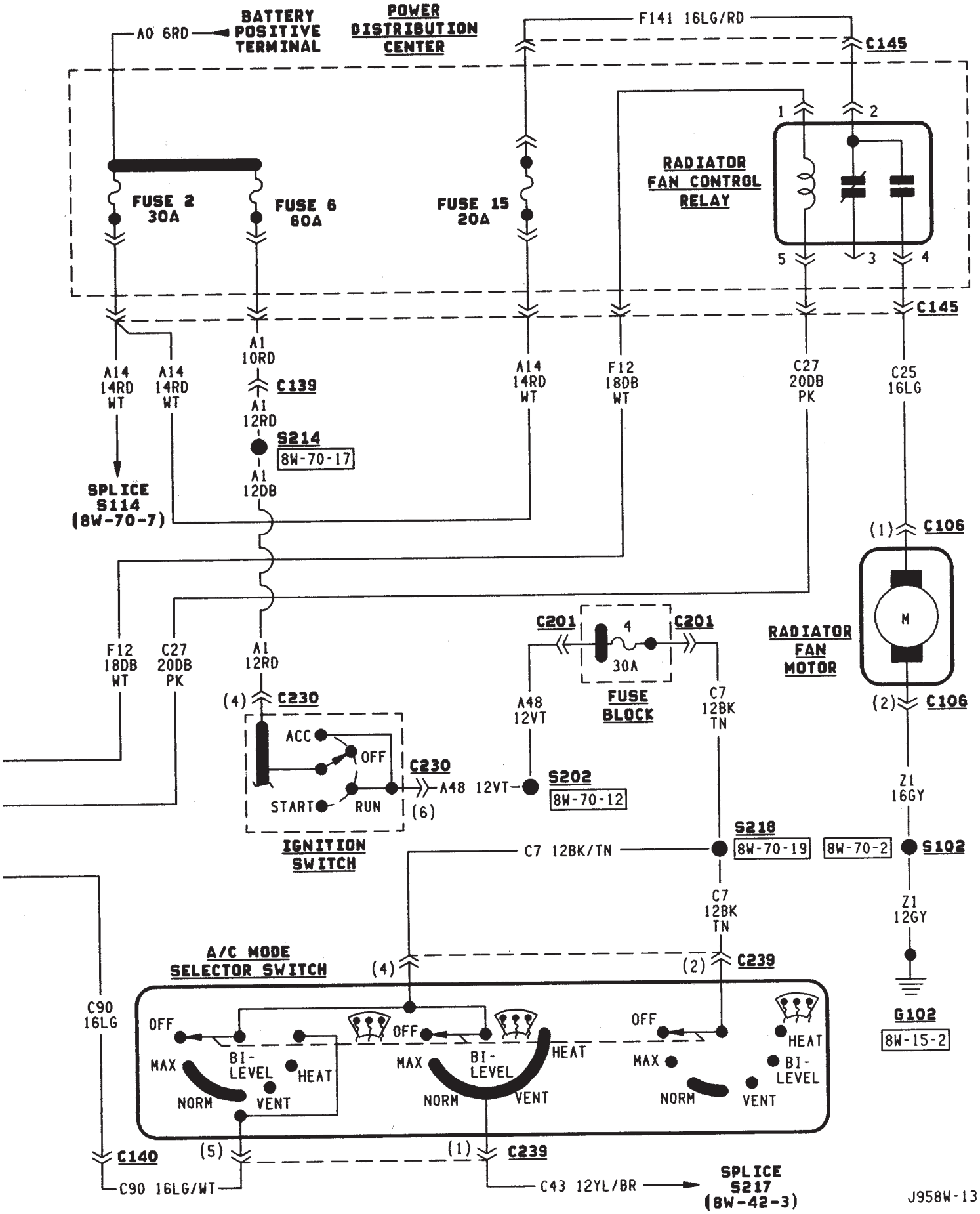
Circuit A14 from PDC fuse 2 powers circuit F141 through fuse 15 in the PDC.

DIAGRAM INDEX

HEATER ONLY


BATTERY POSITIVE TERMINAL
A0 6RD
C145
FUSE 6 60A
POWER DISTRIBUTION CENTER
C139
A1 10RD
A1 12RD
S214
8W-70-17
A1 12RD
(4) C230
ACC
OFF
START
RUN
IGNITION SWITCH
(6) C230
A48 12VT
S202
8W-70-12
A48 12VT
C201
FUSE BLOCK
4 30A
C201
C7 12BK TN
S218
8W-70-19
HEAT MODE SELECTOR SWITCH
C239
C239
C43 12YL/BR
C7 12BK/TN
(1)
(4)
C139
C1 12DG
C1 12DG
S217
8W-70-18
C43 12YL/BR
C242
BLOWER RESISTOR
(4)
(2) C110
HEATER BLOWER MOTOR
C43 12YL BR
LO
C236
C4 12TN
(3)
C236
M1
(1)
(5)
M2
(4)
C6 12LB
(1)
HI
(2)
BLOWER SWITCH
(1) C110
Z1 12GY
S120
8W-70-9
Z1 12GY
G101
8W-15-2
C1 12DG
NOT USED
(2) C242
C1 12DG
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 11 15A
A/C COMPRESSOR CLUTCH RELAY
17
16
20
19
C145
A1 10RD
C139
A1 12RD
S214
8W-70-17
A21 12DB
8W-70-9
S121
A21 12DB
C140
A21 12YL
8W-70-13
S205
F12 18DB WT
S115
8W-70-7
C90 16LG
C13 20DB OR
C3 14DB BK
A/C COMPRESSOR CLUTCH
(4)
C230
ACC
OFF
RUN
START
(2)
IGNITION SWITCH
A/C LOW PRESSURE SWITCH
(1)
(2)
C109
C21 16DB OR
C140
C21 16LB
C90 16LG
F12 18DB/WT
C27 20DB/PK
W/ABS
AC CYCLING SWITCH
C243
Z1 16BK
(1)
(2)
(3)
S110
8W-70-5
S219
8W-70-19
W/O ABS
Z1 12BK
C91 16DB/OR
C91 16LB
S224
8W-70-22
S215
8W-70-18
S223
8W-70-22
S222
8W-70-21
S207
8W-70-14
S203
8W-70-12
S204
8W-70-13
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
C101
27 A/C CYCLING SWITCH SENSOR
28 A/C PRESSURE SWITCH OUTPUT
34 A/C CMP CLUTCH RELAY CONTROL
31 RADIATOR FAN RELAY CONTROL
(LEFT FENDER SIDE SHIELD)
POWERTRAIN CONTROL MODULE
J958W-13


A0 6RD
BATTERY POSITIVE TERMINAL
POWER DISTRIBUTION CENTER
F141 16LG/RD
C145
FUSE 2 30A
FUSE 6 60A
FUSE 15 20A
RADIATOR FAN CONTROL RELAY
1
2
3
4
5
A14 14RD WT
A14 14RD WT
A1 10RD
C139
A1 12RD
S214
8W-70-17
A1 12DB
SPLICE S114 (8W-70-7)
A14 14RD WT
F12 18DB WT
C27 20DB PK
C25 16LG
C106
M
RADIATOR FAN MOTOR
F12 18DB WT
C27 20DB PK
A1 12RD
C230
C201
4
30A
FUSE BLOCK
A48 12VT
C7 12BK TN
ACC
OFF
START
RUN
(6)
S202
8W-70-12
IGNITION SWITCH
Z1 16GY
S218
8W-70-19
8W-70-2
S102
C7 12BK/TN
Z1 12GY
G102
8W-15-2
A/C MODE SELECTOR SWITCH
C239
C90 16LG
MAX
BI-LEVEL
HEAT
NORM
VENT
C140
C90 16LG/WT
C43 12YL/BR
SPLICE S217 (8W-42-3)
J958W-13

INTERIOR LIGHTING

INDEX

GENERAL INFORMATION

Circuit M1 supplies power to the glove box lamp, dome lamp, reading lamps, cargo lamp and vanity lamps. Circuit M1 is protected by fuse 16 in the Power Distribution Center (PDC).

Circuit E2 supplies power for the instrument panel illumination lamps.

INSTRUMENT PANEL ILLUMINATION LAMPS

Circuit E2 from the headlamp switch splices to supply power to the following illumination lamps:

- Ash receiver lamp
- Cigar lighter lamp
- Transmission range indicator lamp
- Transfer case range indicator lamp
- A/C-Heater switch lamp
- Heated rear window switch lamp
- Rear wiper switch lamp
- Fog lamp switch lamp

Fuse 25 in the fuse block protects circuit E2. Circuit Z1 provides ground for all of the illumination lamps except for the cigar lighter lamp. The cigar lighter lamp is case grounded.

HELPFUL INFORMATION

Circuit E2 also supplies power to the radio, LCD relay and the illumination lamps in the instrument cluster.

IGNITION SWITCH LAMP

Circuit M50 supplies voltage to the ignition switch lamp. Circuit Z1 provides ground for the lamp.

GLOVE BOX LAMP

Circuit M1 from fuse 16 in the Power Distribution Center (PDC) powers the glove box lamp. A case grounded switch, in series after the lamp, closes when the glove box door is opened. The switch completes a path to ground on circuit Z1.

CARGO LAMP AND DOME LAMP

Circuit M1 from fuse 16 in the Power Distribution Center (PDC) supplies power to the cargo lamp and dome lamp. The M1 circuit is HOT at all times. The ground path for the lamp is provided in three different ways.

One way is through the door jamb switches. Circuit M2 connects to the door jamb switches to the dome lamp and cargo lamp. The switches are connected to ground circuit Z1. When a door is opened, the plunger in the switch closes, completing a path to ground.

The second way is through the liftgate switch. Circuit G71 connects to circuit M2 at the cargo lamp connector. Circuit G71 connects to the liftgate switch. The liftgate switch connects to ground circuit Z1. When the lift gate opens, the plunger in the switch closes, completing a path to ground.

The third ground path is through the headlamp switch. Circuit M2 is spliced in with the headlamp switch. When the operator turns the headlamp switch to the dome lamp ON position, a ground path is provided through the switch.

READING LAMPS

Circuit M1 from fuse 16 in the Power Distribution Center (PDC) supplies power to the reading lamps. Circuit M1 is HOT at all times. When the operator depresses the reading lamp, the reading lamp switch closes and supplies ground on circuit Z1.

VISOR VANITY MIRROR LAMPS

Circuit M1 from fuse 16 in the Power Distribution Center (PDC) supplies power to the vanity lamps. Circuit M1 is HOT at all times. When the vanity lamps switch closes, voltage flows to vanity mirror lamps. The vanity mirror is case grounded.

UNDERHOOD LAMP

Circuit A7 from fuse 16 in the Power Distribution Center (PDC) supplies battery voltage for the underhood lamp. A mercury switch, in series after the lamp, connects the lamp to ground on circuit Z1. When the hood is raised, mercury inside the switch moves to a position where it connects circuit M1 to ground circuit Z1, illuminating the lamp.

CHIME/BUZZER MODULE

The buzzer or optional chime module sounds an audible warning tone. The tone sounds for seat belt warning and when the ignition key is in the ignition switch while the drivers door is open. The tone also sounds when the ignition key is in the ON position while the drivers side seat belt is not buckled. Lastly, the tone sounds when the headlamps are ON when the ignition is OFF. Refer to Group 8U for system operation.

When the ignition switch is in the RUN or START position, fuse F87 from fuse 26 in the fuse block supplies power to the chime/buzzer module. Circuit A21 from the ignition switch supplies power to fuse 26.

Circuit L7 from fuse 9 in the fuse block also supplies power to the chime/buzzer module. Circuit A3 from fuse 5 in the Power Distribution Center (PDC) powers fuse 9.

When the parking lamps or headlamps are ON, the headlamp switch connects circuit G26 with the drivers side door jamb switch. Circuit G26 also connects to the key-in switch. Circuit M11 connects the key-in switch to the chime module and the headlamp switch.

If the headlamps are ON, and the drivers door opens, ground for the chime/buzzer is on circuit C26 from the headlamp switch through the door jamb switch to circuit Z1.

If the headlamps are OFF with the key in the ignition while the drivers side door is open, ground for the chime/buzzer is supplied through the key-in switch. The ground path is over circuit M11, through the closed key-in switch to circuit C26. From circuit C26, the ground path continues through the drivers door jamb switch to circuit Z1.

Circuit G11 from the buzzer powers the seat belt warning lamp in the instrument cluster. Circuit Z1 at the instrument cluster provides ground for the lamp.

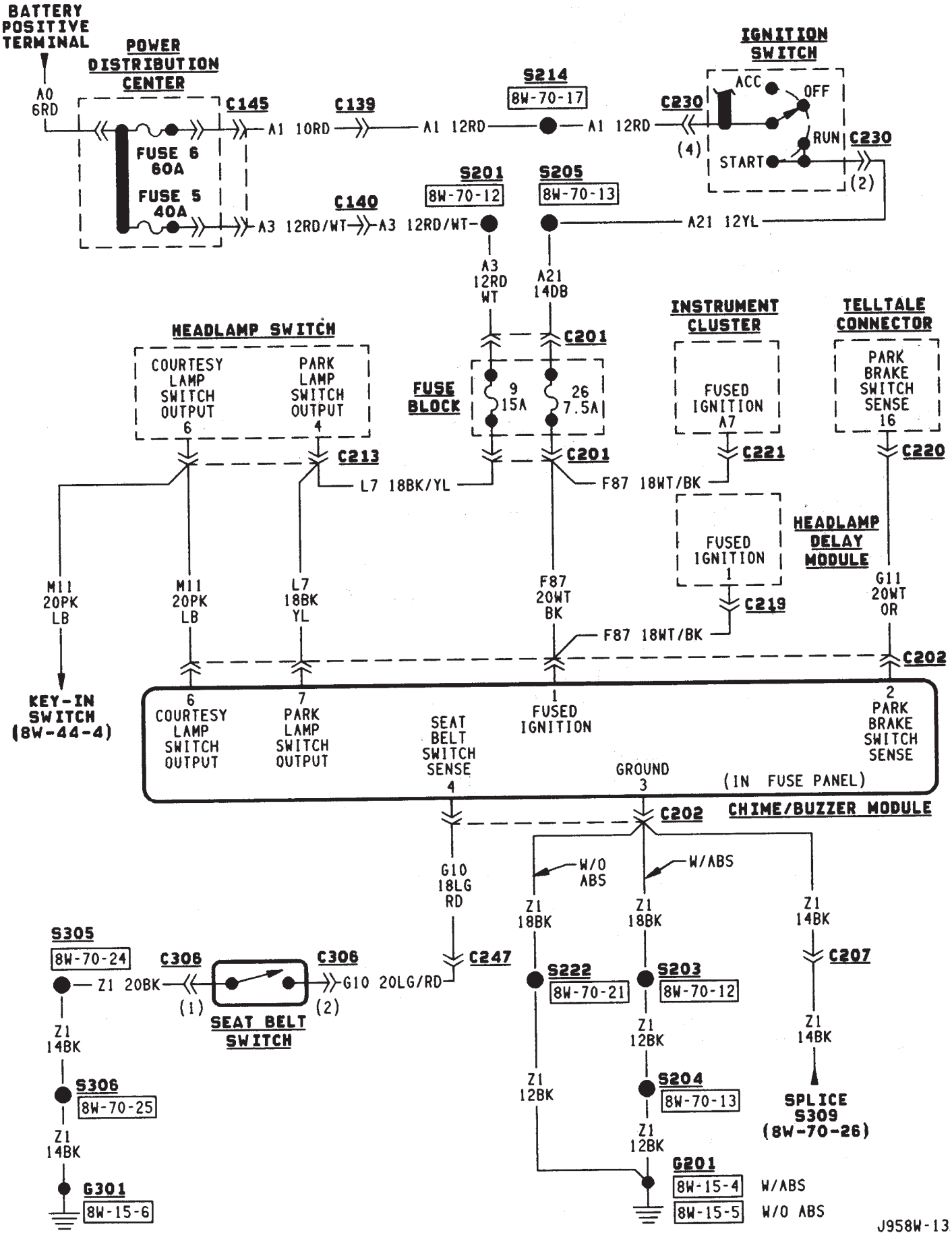
Circuit G10 from the buzzer connects to the seat belt switch. When the seat belt switch closes a path to ground is completed on circuit Z1 and the tone sounds momentarily.

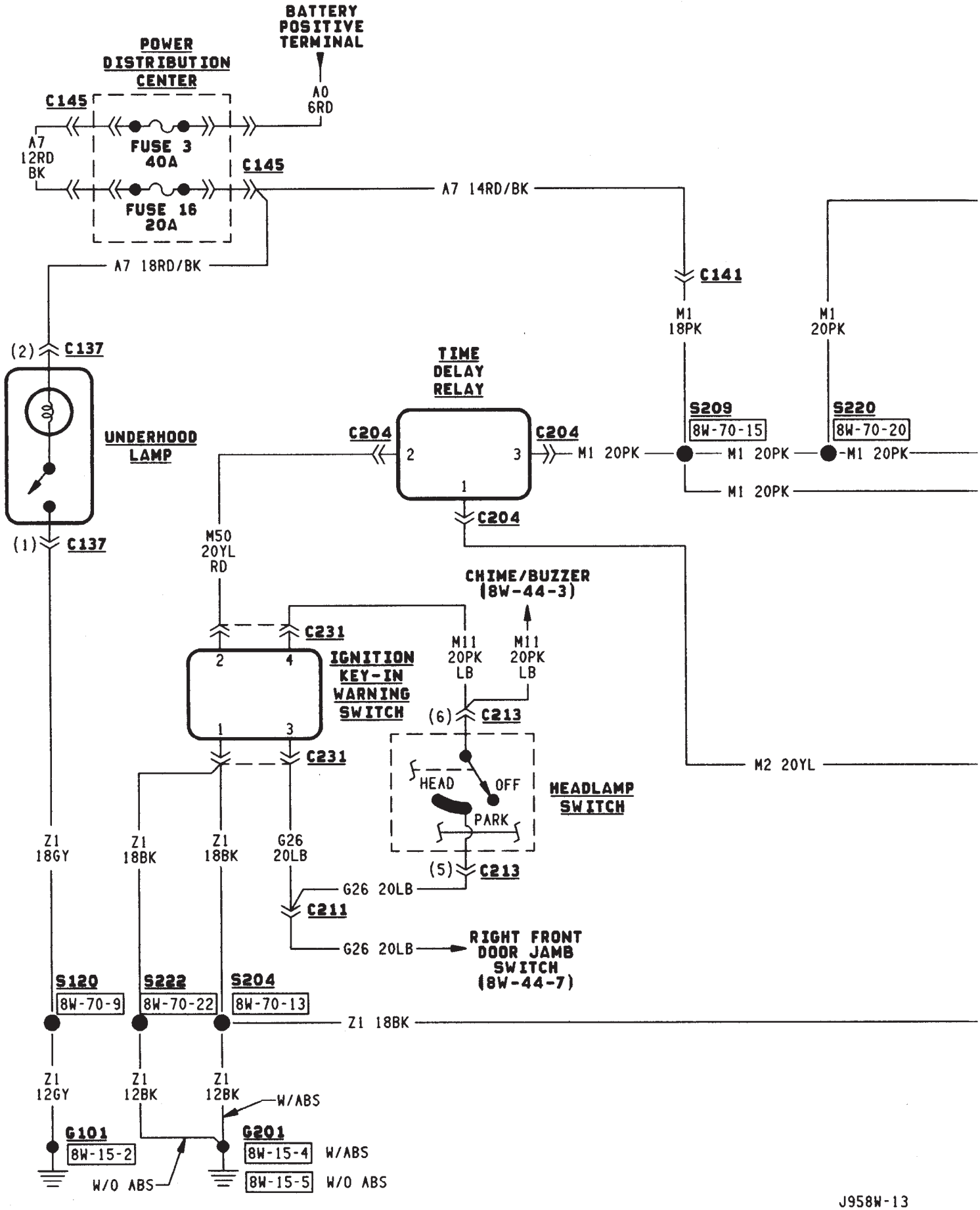
Circuit Z1 also grounds the chime buzzer module.

HELPFUL INFORMATION

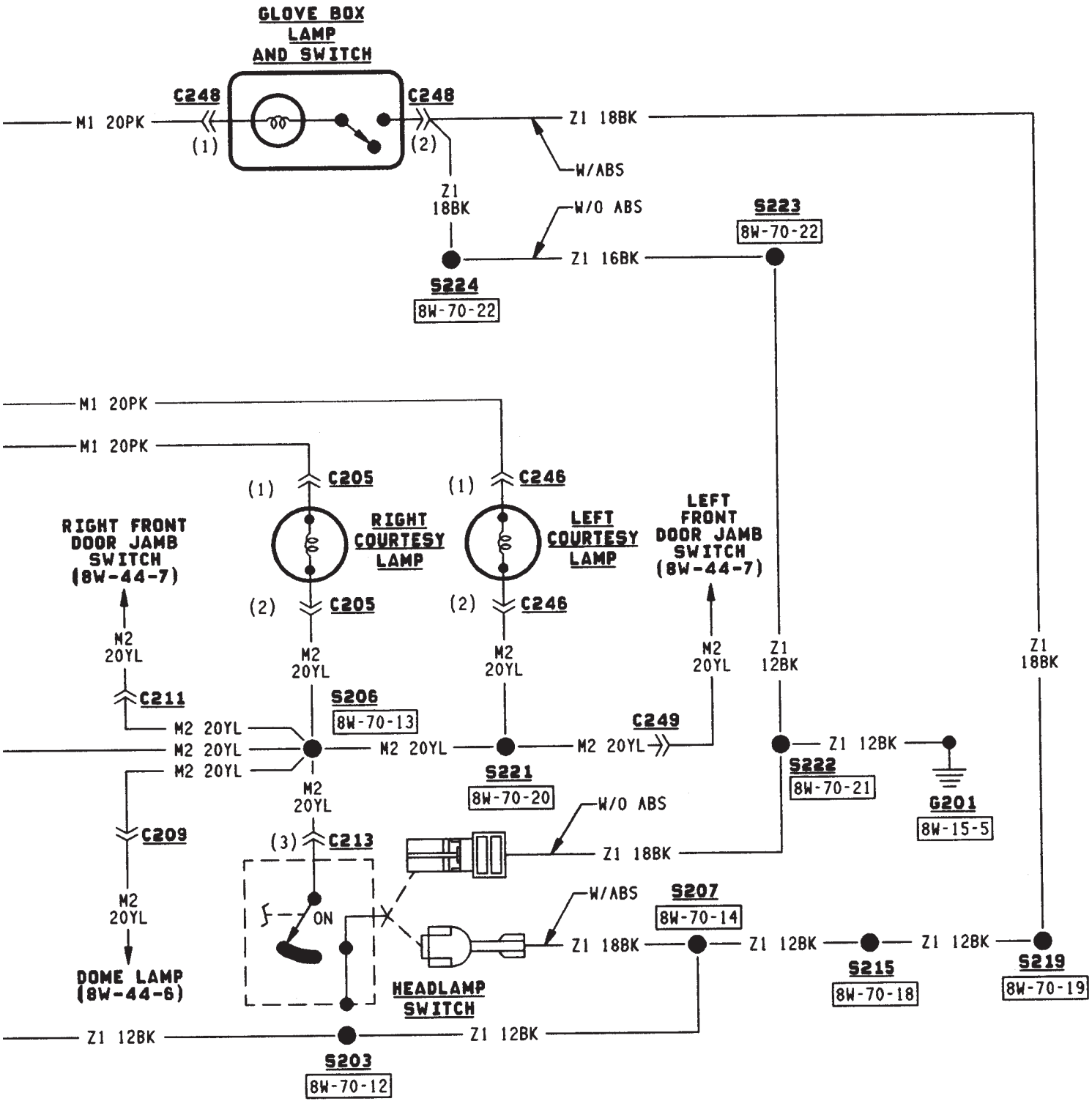
Circuit F87 also powers the instrument cluster and the headlamp delay module.

DIAGRAM INDEX

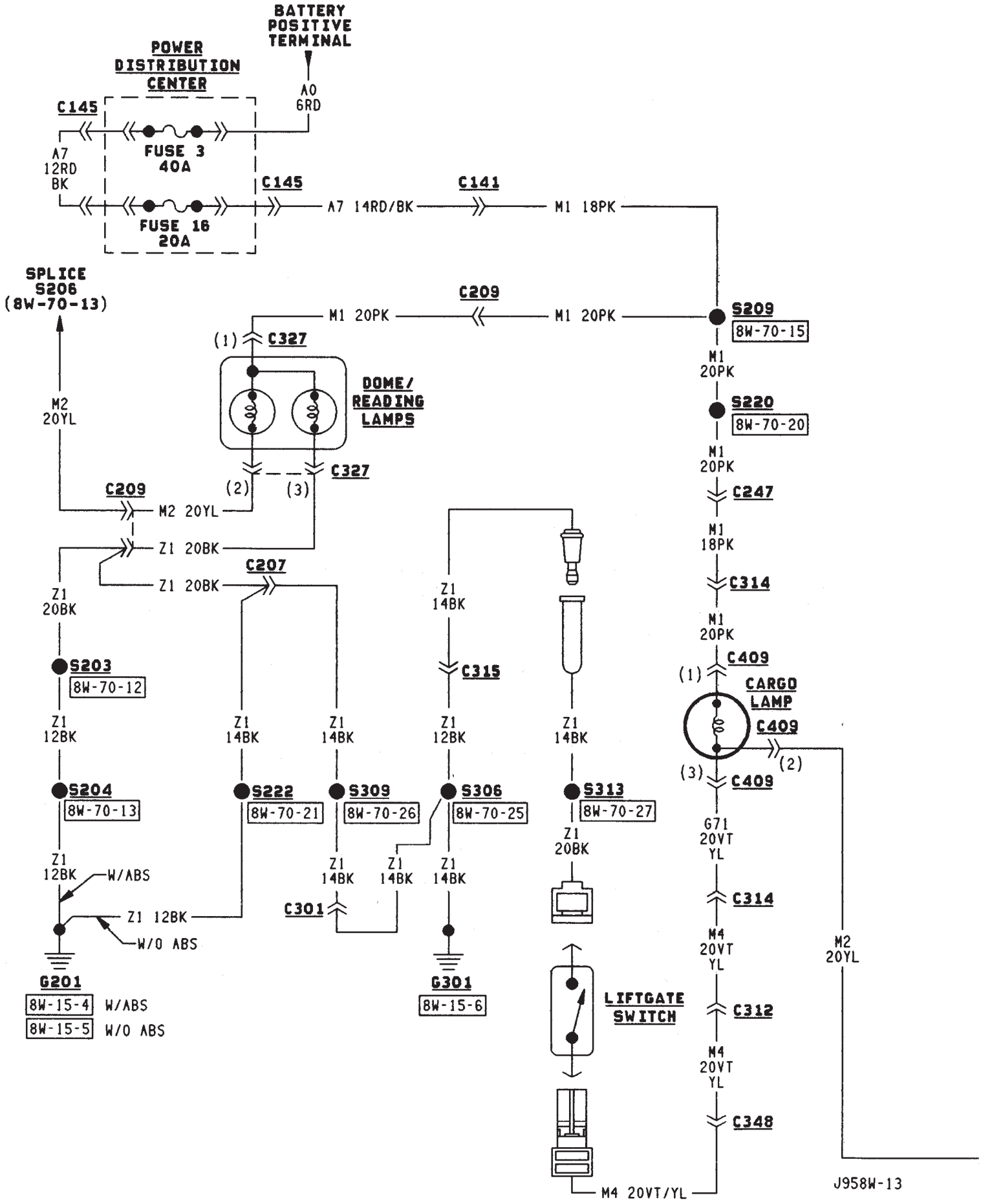

BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
C145
FUSE 6 60A
FUSE 5 40A
A3 12RD/WT
C140
A3 12RD/WT
C139
A1 10RD
A1 12RD
S214
8W-70-17
A1 12RD
C230
IGNITION SWITCH
ACC
OFF
RUN
START
C230
(4)
(2)
S201
8W-70-12
S205
8W-70-13
A21 12YL
A3 12RD WT
A21 14DB
C201
HEADLAMP SWITCH
COURTESY LAMP SWITCH OUTPUT 6
PARK LAMP SWITCH OUTPUT 4
C213
FUSE BLOCK
9 15A
26 7.5A
C201
L7 18BK/YL
F87 18WT/BK
INSTRUMENT CLUSTER
FUSED IGNITION A7
C221
TELLTALE CONNECTOR
PARK BRAKE SWITCH SENSE 16
C220
FUSED IGNITION 1
C219
HEADLAMP DELAY MODULE
M11 20PK LB
M11 20PK LB
L7 18BK YL
F87 20WT BK
F87 18WT/BK
G11 20WT OR
C202
KEY-IN SWITCH (8W-44-4)
6 COURTESY LAMP SWITCH OUTPUT
7 PARK LAMP SWITCH OUTPUT
SEAT BELT SWITCH SENSE 4
1 FUSED IGNITION
GROUND 3
2 PARK BRAKE SWITCH SENSE
(IN FUSE PANEL)
C202
CHIME/BUZZER MODULE
G10 18LG RD
C247
W/O ABS
W/ABS
Z1 18BK
Z1 18BK
Z1 14BK
C207
S305
8W-70-24
C306
C306
Z1 20BK
G10 20LG/RD
(1)
(2)
SEAT BELT SWITCH
S222
8W-70-21
S203
8W-70-12
Z1 14BK
Z1 12BK
Z1 14BK
S306
8W-70-25
Z1 12BK
S204
8W-70-13
SPLICE S309 (8W-70-26)
Z1 14BK
Z1 12BK
G301
8W-15-6
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
J958W-13

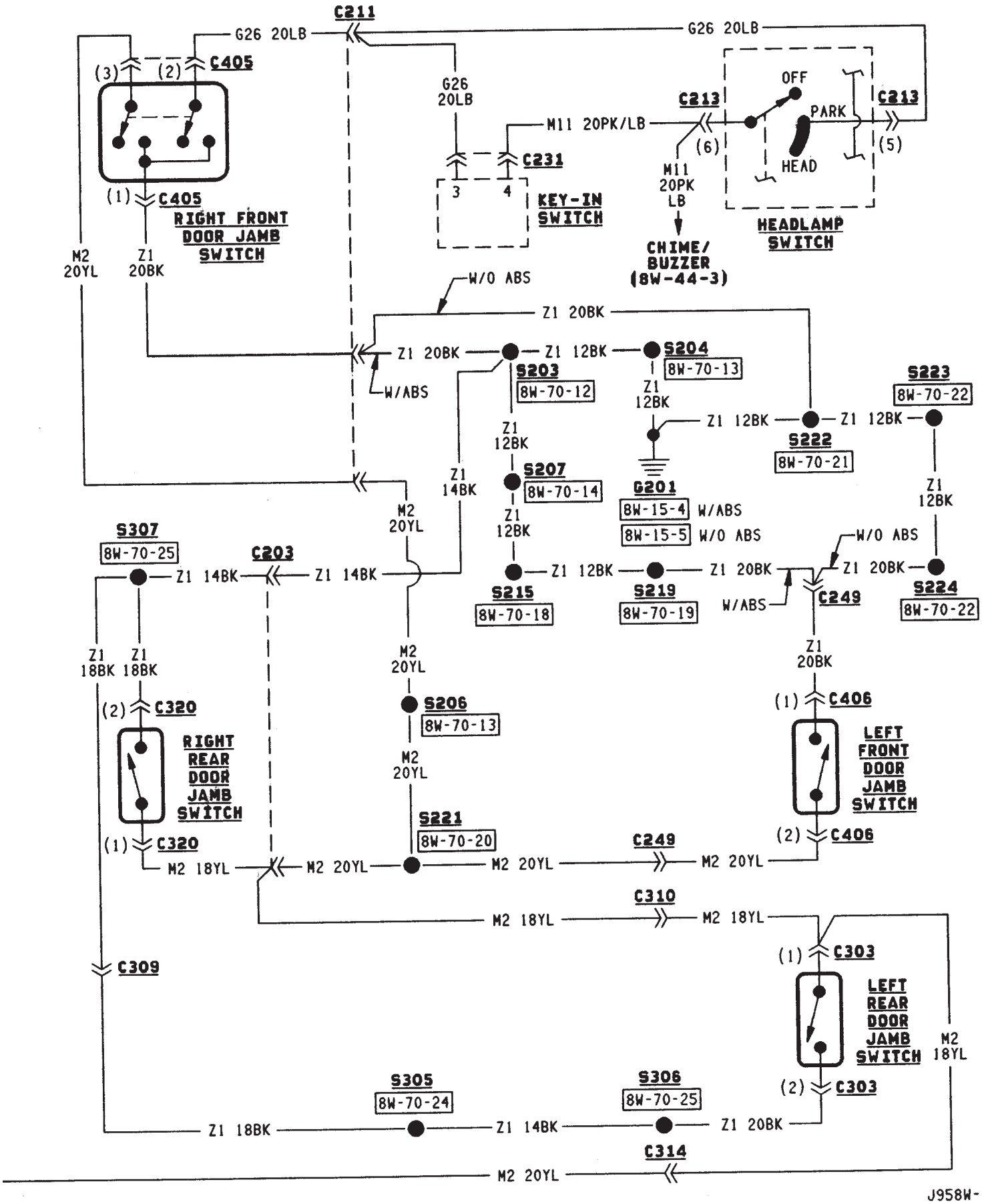

BATTERY POSITIVE TERMINAL
POWER DISTRIBUTION CENTER
C145
A0 6RD
A7 12RD BK
FUSE 3 40A
FUSE 16 20A
C145
A7 14RD/BK
A7 18RD/BK
C141
M1 18PK
M1 20PK
(2) C137
UNDERHOOD LAMP
(1) C137
TIME DELAY RELAY
C204
2
3
1
C204
C204
M1 20PK
S209
8W-70-15
S220
8W-70-20
M1 20PK
M1 20PK
M1 20PK
M50 20YL RD
CHIME/BUZZER (8W-44-3)
C231
2
4
IGNITION KEY-IN WARNING SWITCH
1
3
C231
M11 20PK LB
M11 20PK LB
(6) C213
HEAD
OFF
PARK
HEADLAMP SWITCH
(5) C213
M2 20YL
Z1 18GY
Z1 18BK
Z1 18BK
G26 20LB
G26 20LB
C211
G26 20LB
RIGHT FRONT DOOR JAMB SWITCH (8W-44-7)
S120
8W-70-9
S222
8W-70-22
S204
8W-70-13
Z1 18BK
Z1 12GY
Z1 12BK
Z1 12BK
W/ABS
G101
8W-15-2
W/O ABS
G201
8W-15-4
W/ABS
8W-15-5
W/O ABS

J958W-13

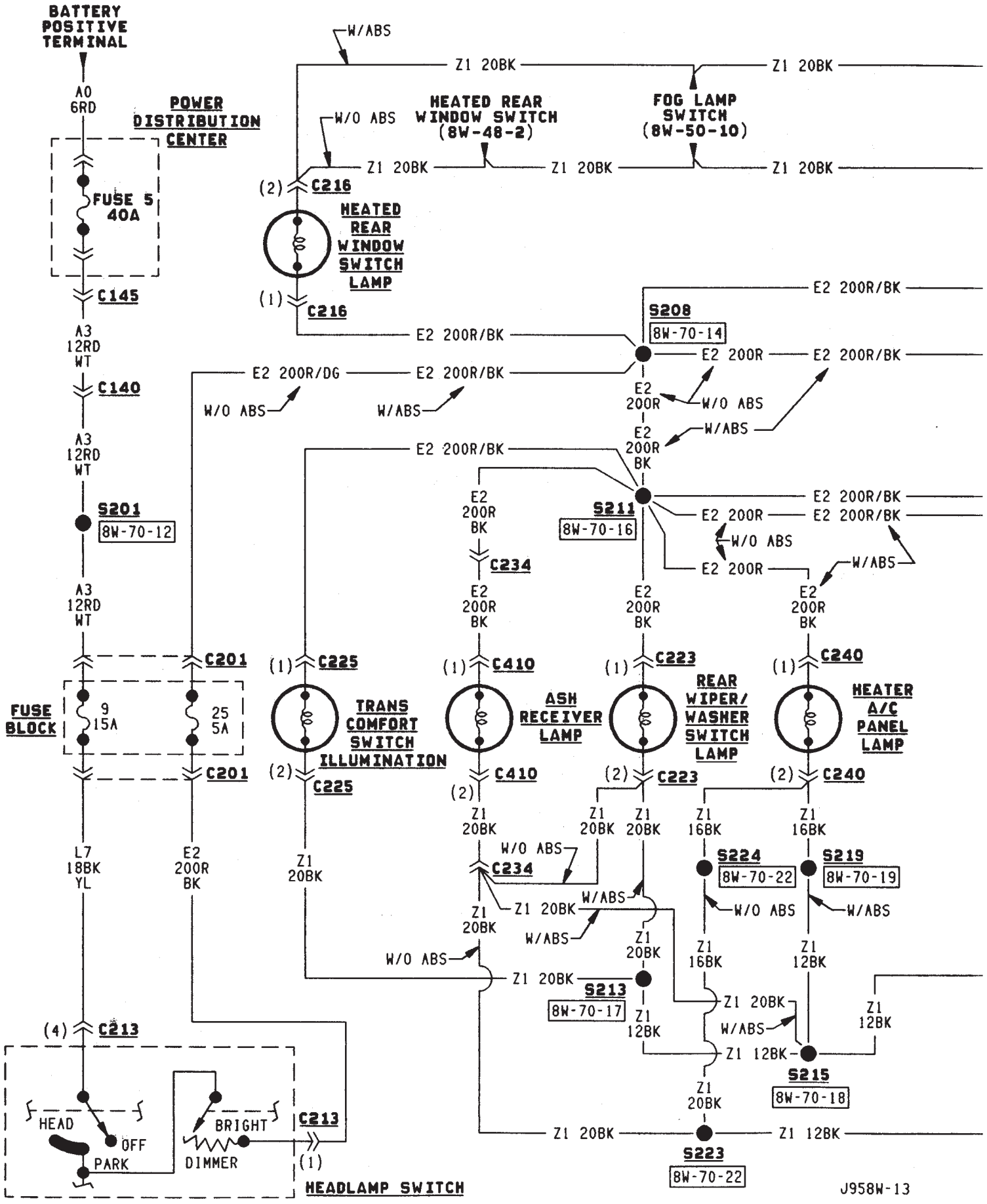

GLOVE BOX LAMP AND SWITCH
C248
C248
M1 20PK
(1)
(2)
Z1 18BK
W/ABS
Z1 18BK
W/O ABS
S223
8W-70-22
Z1 16BK
S224
8W-70-22
M1 20PK
M1 20PK
(1) C205
(1) C246
RIGHT FRONT DOOR JAMB SWITCH (8W-44-7)
RIGHT COURTESY LAMP
LEFT COURTESY LAMP
LEFT FRONT DOOR JAMB SWITCH (8W-44-7)
(2) C205
(2) C246
M2 20YL
M2 20YL
M2 20YL
M2 20YL
Z1 12BK
Z1 18BK
C211
S206
8W-70-13
M2 20YL
C249
M2 20YL
M2 20YL
M2 20YL
M2 20YL
S221
8W-70-20
Z1 12BK
S222
8W-70-21
G201
8W-15-5
M2 20YL
W/O ABS
C209
(3) C213
Z1 18BK
M2 20YL
W/ABS
S207
8W-70-14
ON
Z1 18BK
Z1 12BK
Z1 12BK
S215
8W-70-18
S219
8W-70-19
DOME LAMP (8W-44-6)
HEADLAMP SWITCH
Z1 12BK
Z1 12BK
S203
8W-70-12

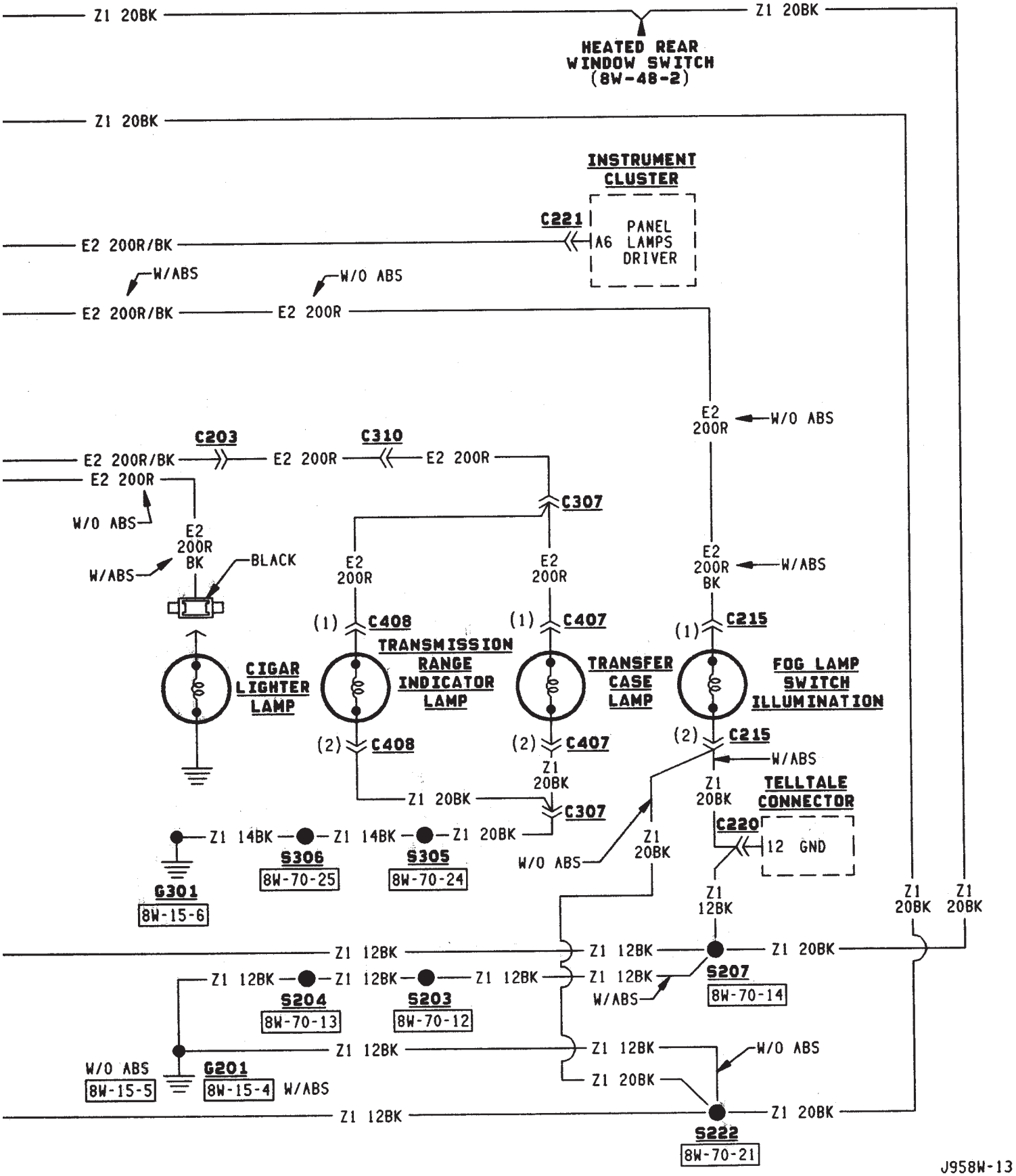
J958W-13


BATTERY POSITIVE TERMINAL
POWER DISTRIBUTION CENTER
A0 6RD
C145
FUSE 3 40A
A7 12RD BK
C145
FUSE 16 20A
A7 14RD/BK
C141
M1 18PK
SPLICE S206 (8W-70-13)
C209
M1 20PK
M1 20PK
S209
8W-70-15
(1) C327
DOME/ READING LAMPS
M1 20PK
S220
8W-70-20
M2 20YL
M1 20PK
C247
(2)
(3)
C327
C209
M2 20YL
M1 18PK
Z1 20BK
C314
C207
Z1 20BK
Z1 14BK
M1 20PK
Z1 20BK
C315
C409
(1)
CARGO LAMP
S203
8W-70-12
C409
(2)
(3)
C409
Z1 12BK
Z1 14BK
Z1 14BK
Z1 12BK
Z1 14BK
G71 20VT YL
S204
8W-70-13
S222
8W-70-21
S309
8W-70-26
S306
8W-70-25
S313
8W-70-27
Z1 12BK
W/ABS
Z1 14BK
Z1 14BK
Z1 14BK
Z1 20BK
C314
Z1 12BK
W/O ABS
C301
M4 20VT YL
M2 20YL
LIFTGATE SWITCH
C312
M4 20VT YL
C348
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
G301
8W-15-6
M4 20VT/YL
J958W-13


C211
G26 20LB
G26 20LB
C405
(3)
(2)
G26 20LB
C213
OFF
PARK
HEAD
C213
M11 20PK/LB
(6)
(5)
C231
3
4
KEY-IN SWITCH
M11 20PK LB
CHIME/ BUZZER (8W-44-3)
HEADLAMP SWITCH
(1) C405
RIGHT FRONT DOOR JAMB SWITCH
M2 20YL
Z1 20BK
W/O ABS
Z1 20BK
Z1 20BK
Z1 12BK
S204
8W-70-13
S203
8W-70-12
W/ABS
Z1 12BK
S223
8W-70-22
Z1 12BK
Z1 12BK
Z1 12BK
S222
8W-70-21
Z1 14BK
S207
8W-70-14
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
Z1 12BK
M2 20YL
Z1 12BK
S307
8W-70-25
C203
Z1 14BK
Z1 14BK
Z1 12BK
Z1 20BK
W/O ABS
Z1 20BK
S215
8W-70-18
S219
8W-70-19
W/ABS
C249
S224
8W-70-22
Z1 18BK
Z1 18BK
M2 20YL
Z1 20BK
(2) C320
S206
8W-70-13
(1) C406
RIGHT REAR DOOR JAMB SWITCH
LEFT FRONT DOOR JAMB SWITCH
M2 20YL
S221
8W-70-20
(1) C320
(2) C406
C249
M2 18YL
M2 20YL
M2 20YL
M2 20YL
C310
M2 18YL
M2 18YL
(1) C303
C309
LEFT REAR DOOR JAMB SWITCH
M2 18YL
S305
8W-70-24
S306
8W-70-25
(2) C303
Z1 18BK
Z1 14BK
Z1 20BK
C314
M2 20YL

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 5 40A
C145
A3 12RD WT
C140
A3 12RD WT
S201
8W-70-12
A3 12RD WT
C201
FUSE BLOCK
9 15A
25 5A
C201
L7 18BK YL
E2 200R BK
(4) C213
HEAD
OFF
PARK
BRIGHT
DIMMER
C213
(1)
HEADLAMP SWITCH
W/ABS
Z1 20BK
HEATED REAR WINDOW SWITCH (8W-48-2)
FOG LAMP SWITCH (8W-50-10)
W/O ABS
(2) C216
HEATED REAR WINDOW SWITCH LAMP
(1) C216
E2 200R/BK
E2 200R/DG
S208
8W-70-14
E2 200R
E2 200R/BK
E2 200R BK
S211
8W-70-16
C234
(1) C225
TRANS COMFORT SWITCH ILLUMINATION
(2) C225
(1) C410
ASH RECEIVER LAMP
(2) C410
(1) C223
REAR WIPER/ WASHER SWITCH LAMP
(2) C223
(1) C240
HEATER A/C PANEL LAMP
(2) C240
Z1 20BK
Z1 16BK
S224
8W-70-22
S219
8W-70-19
S213
8W-70-17
Z1 12BK
S215
8W-70-18
S223
8W-70-22
J958W-13


Z1 20BK
Z1 20BK
HEATED REAR WINDOW SWITCH (8W-48-2)
Z1 20BK
INSTRUMENT CLUSTER
C221
A6 PANEL LAMPS DRIVER
E2 200R/BK
W/ABS
W/O ABS
E2 200R/BK
E2 200R
E2 200R
W/O ABS
C203
C310
E2 200R/BK
E2 200R
E2 200R
C307
E2 200R
W/O ABS
E2 200R BK
W/ABS
BLACK
E2 200R
E2 200R
E2 200R
W/ABS
E2 200R BK
(1) C408
(1) C407
(1) C215
CIGAR LIGHTER LAMP
TRANSMISSION RANGE INDICATOR LAMP
TRANSFER CASE LAMP
FOG LAMP SWITCH ILLUMINATION
(2) C408
(2) C407
(2) C215
Z1 20BK
W/ABS
Z1 20BK
C307
TELLTALE CONNECTOR
C220
12 GND
Z1 14BK
Z1 14BK
Z1 20BK
S306
8W-70-25
S305
8W-70-24
W/O ABS
Z1 20BK
G301
8W-15-6
Z1 12BK
Z1 20BK
Z1 20BK
Z1 12BK
Z1 12BK
Z1 12BK
Z1 20BK
Z1 12BK
Z1 12BK
Z1 12BK
S207
8W-70-14
W/ABS
S204
8W-70-13
S203
8W-70-12
Z1 12BK
Z1 12BK
W/O ABS
W/O ABS
8W-15-5
G201
8W-15-4
W/ABS
Z1 20BK
Z1 12BK
Z1 20BK
S222
8W-70-21

J958W-13

RADIO

RADIO

When the ignition switch is in the ACCESSORY or RUN position, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A48. Circuit A48 powers circuit F85 through fuse 13 in the fuse block. Circuit F85 powers the radio.

Circuit Z1 provides ground for the radio. The antenna connects to the rear of the radio.

RADIO MEMORY

Circuit M1 from fuse 16 in the Power Distribution Center (PDC) supplies power for the radio memory.

Circuit A7 from fuse 3 in the PDC supplies voltage to fuse 16. Circuits A7 and M1 are HOT at all times.

RADIO ILLUMINATION

Circuit E2 supplies battery voltage to the radio illumination lamps when the headlamps or parking lamps are on and the dimmer switch is in the Low or On positions.

Circuit X5 supplies battery voltage for the radio clock and station frequency display. Circuit X5 originates at the radio illumination relay and is fed by either circuit F85 or circuit E2 depending on the switch position inside the relay.

When the headlamps and parking lamps are off, the radio illumination relay is in its normal At Rest position. In the At Rest position, the relay connects circuit F85 from fuse 13 in the fuse block to circuit X5.

When the headlamps or parking lamps are on, circuit L90 from the headlamp switch supplies battery voltage to the coil side of the radio illumination relay. Circuit Z1 provides ground for the coil side of the relay.

When voltage is present on circuit L90, the radio illumination relay switches from its At Rest position to connect circuit E2 to circuit X5.

HELPFUL INFORMATION

- Circuit A48 supplies voltage to fuse 13 in the fuse block for circuit F85 when the ignition switch is in the ACCESSORY or RUN positions. In these positions, the ignition switch connects circuit A1 from fuse 6 in the PDC to circuit A48.
- Circuit A3 from fuse 5 in the PDC supplies power to the fuse block for fuse 9. Fuse 9 protects circuit L7. When the headlamps or parking lamps are ON, the headlamp switch connects circuit L7 to circuit L90. When the adjustable dimmer switch is in the LOW to ON positions, it internally connects circuit L7 to circuit E2. Circuit E2 powers fuse 25 in the fuse block. Circuit E2 continues through fuse 25.

POWER ANTENNA

The Power Antenna Relay supplies power to raise and lower the antenna. Circuit F60 from fuse 7 in the fuse block powers the relay. Circuit Z1 provides ground for the relay.

When the radio is turned on, circuit X60 from the radio energizes the relay to raise the antenna.

SPEAKERS

Circuit X53 feeds the left front speakers. Circuit X55 is the return from the speakers to the radio.

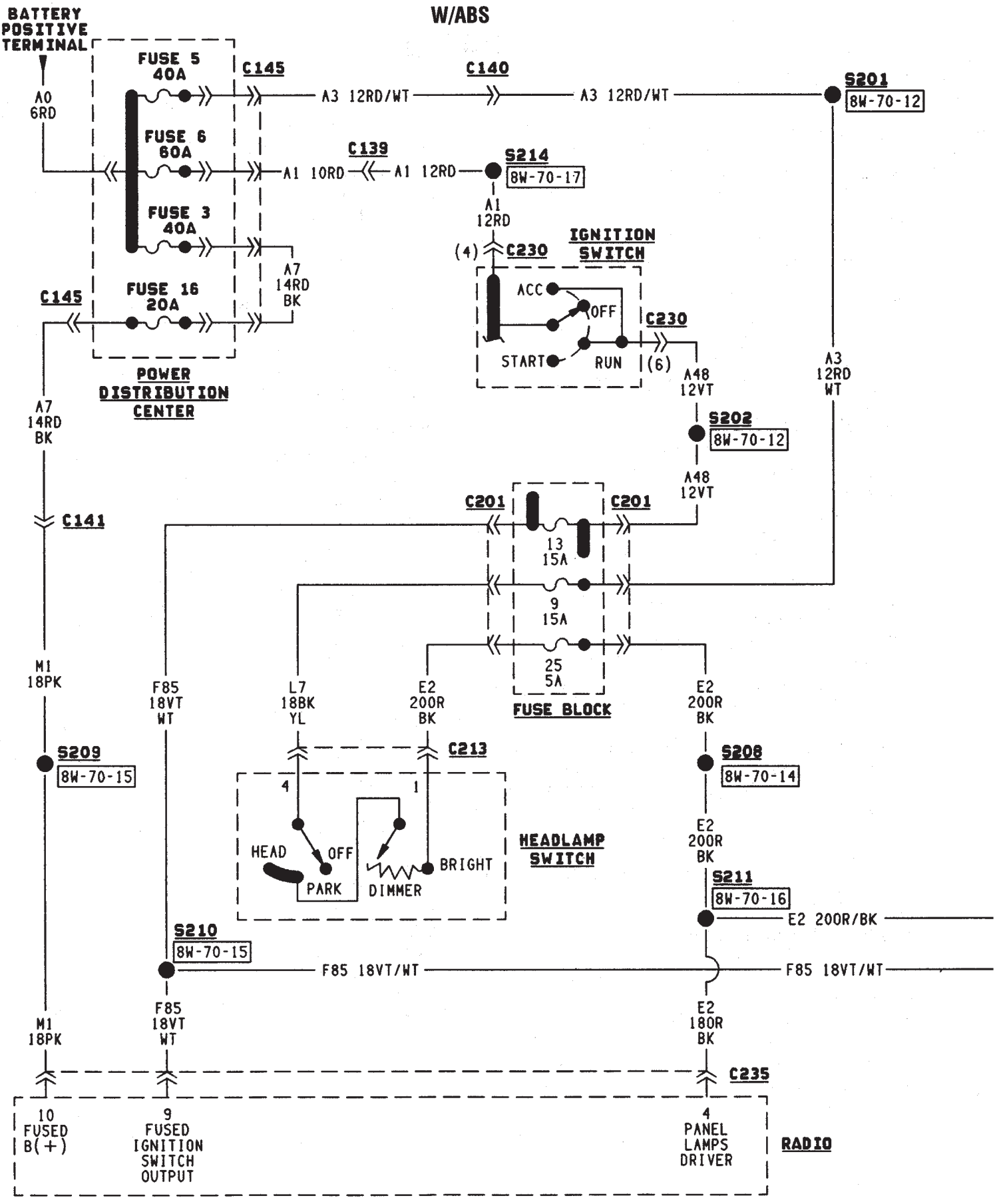
Circuit X54 feeds the right front speakers. Circuit X56 is the return from the speakers to the radio.

Circuit X51 feeds the left rear speaker. Circuit X57 is the return from the speaker to the radio.

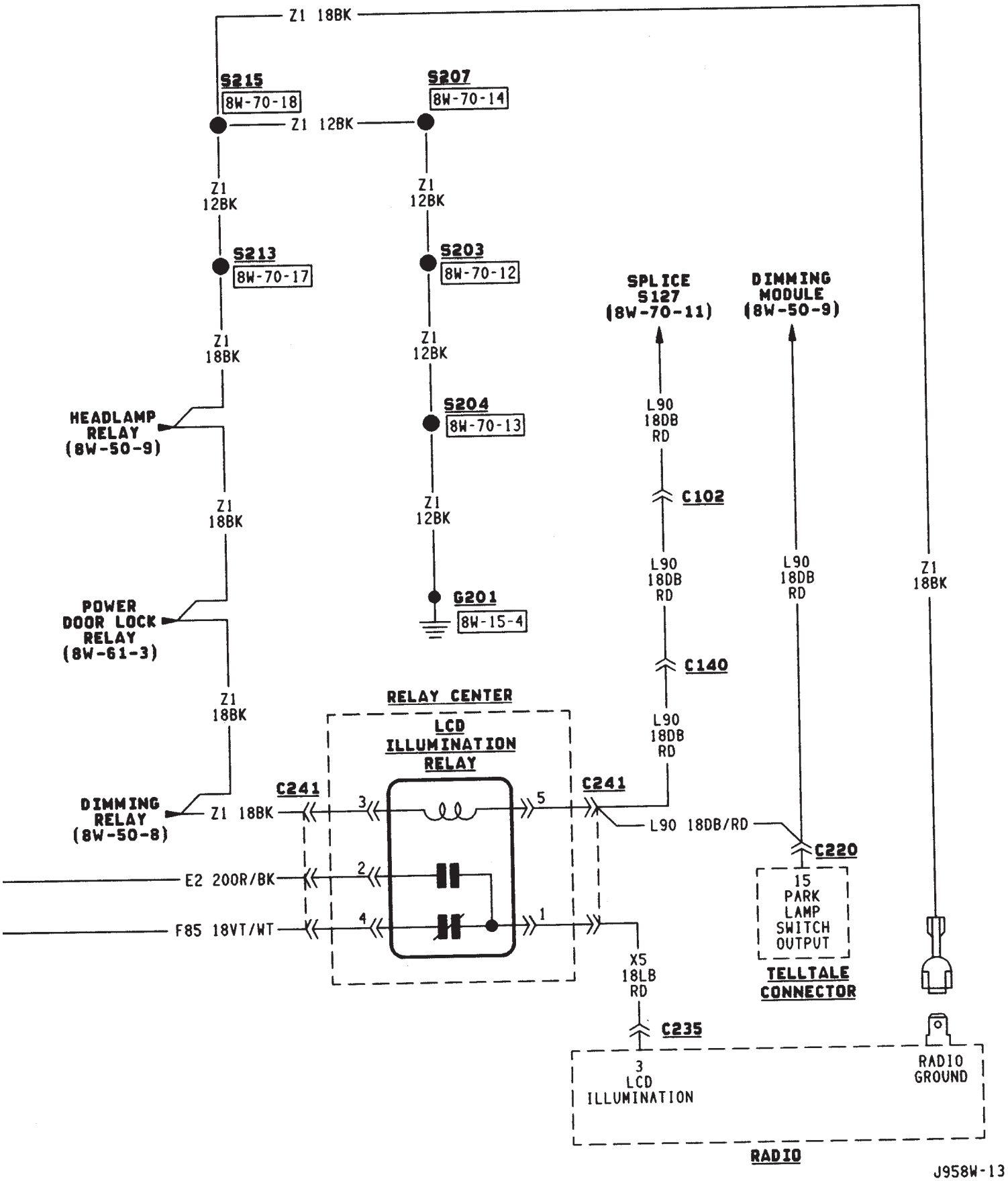
Circuit X52 feeds the right rear speaker. Circuit X58 is the return from the speaker to the radio.

DIAGRAM INDEX

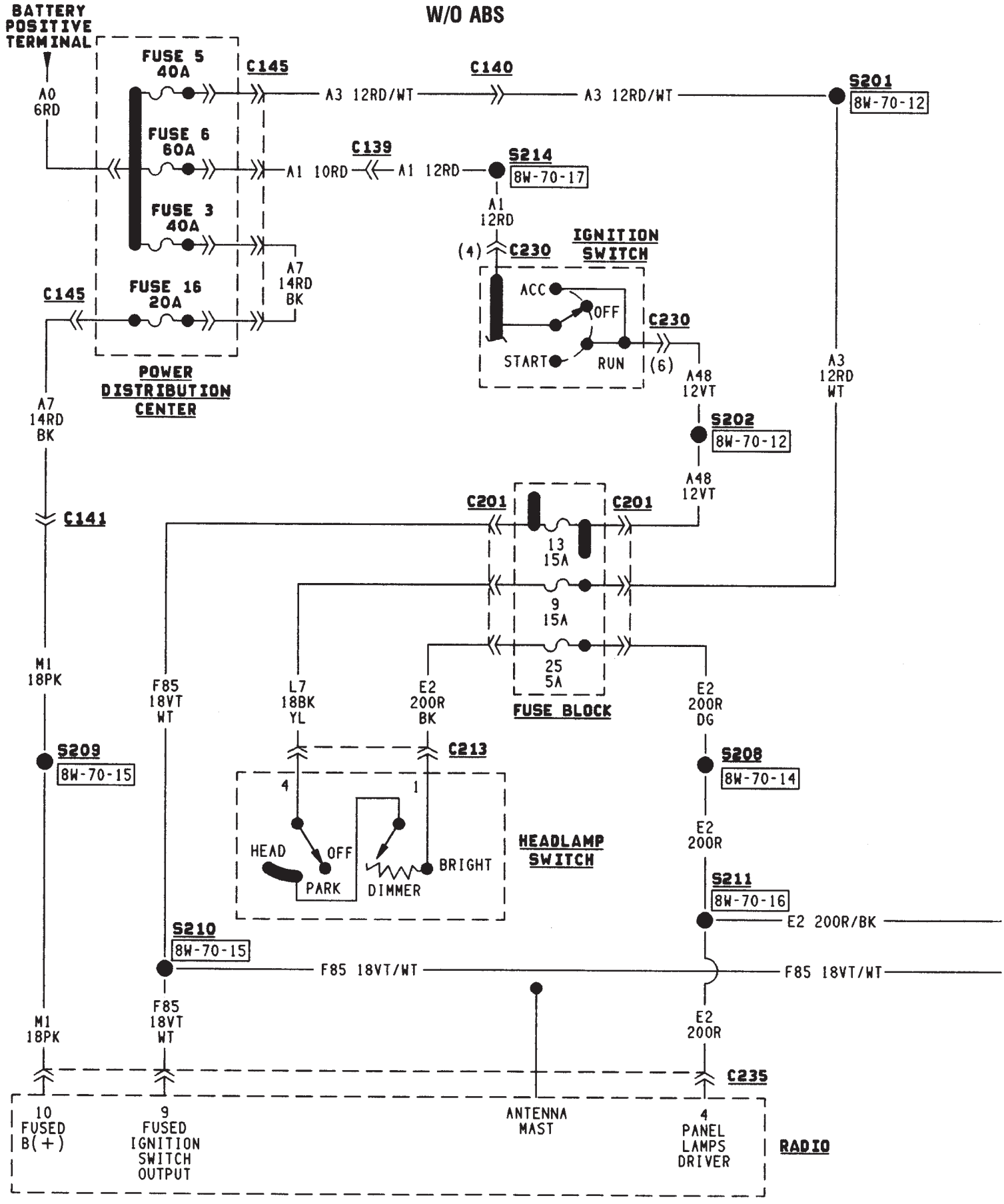
W/ABS



J958W-13

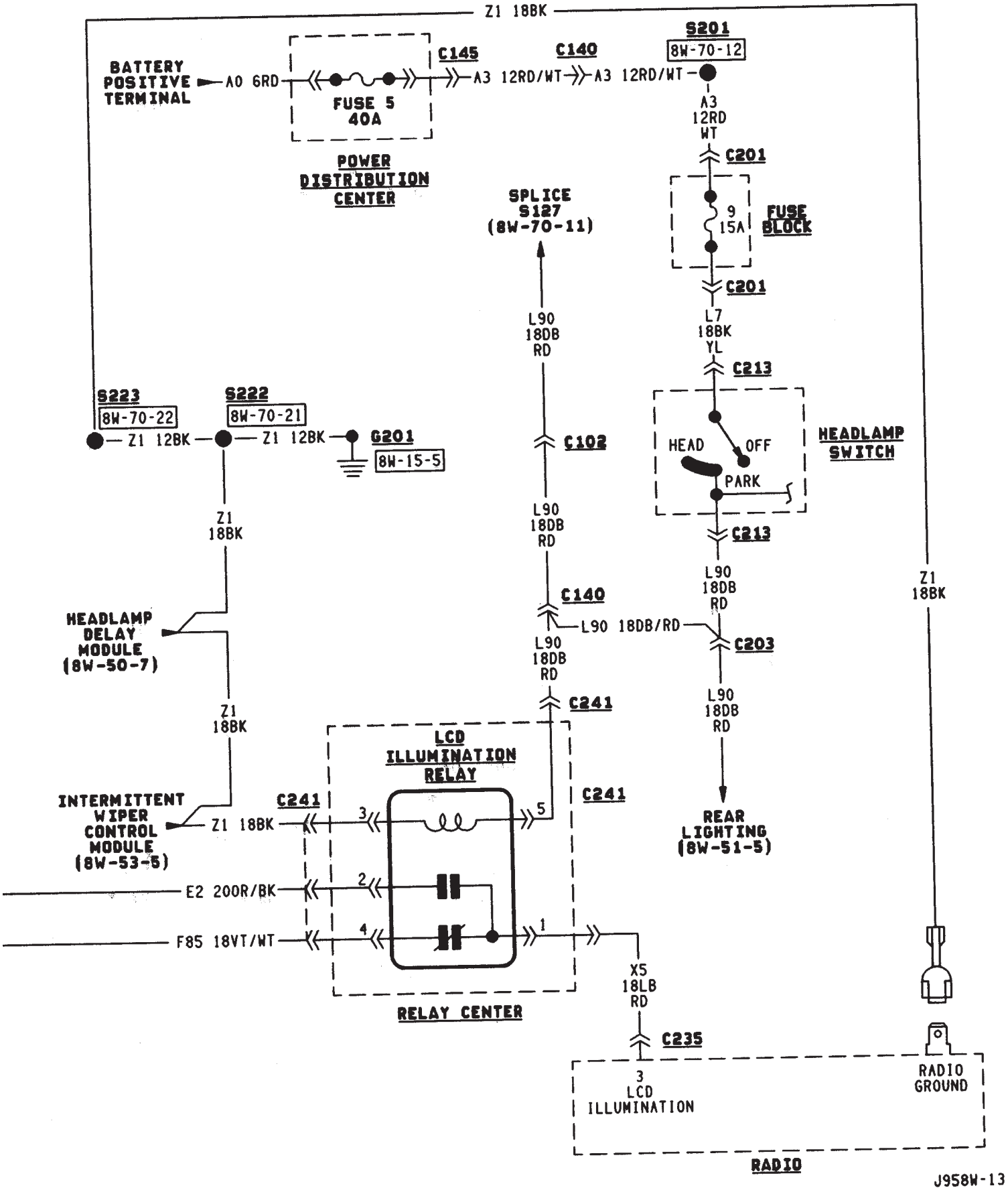

Z1 18BK
S215
8W-70-18
S207
8W-70-14
Z1 12BK
Z1 12BK
Z1 12BK
S213
8W-70-17
S203
8W-70-12
Z1 18BK
Z1 12BK
SPLICE S127 (8W-70-11)
DIMMING MODULE (8W-50-9)
HEADLAMP RELAY (8W-50-9)
S204
8W-70-13
L90 18DB RD
C102
Z1 18BK
Z1 12BK
L90 18DB RD
L90 18DB RD
Z1 18BK
G201
8W-15-4
C140
POWER DOOR LOCK RELAY (8W-61-3)
L90 18DB RD
Z1 18BK
RELAY CENTER
LCD ILLUMINATION RELAY
C241
C241
DIMMING RELAY (8W-50-8)
Z1 18BK
3
5
L90 18DB/RD
C220
E2 200R/BK
2
15 PARK LAMP SWITCH OUTPUT
TELLTALE CONNECTOR
F85 18VT/WT
4
1
X5 18LB RD
C235
RADIO GROUND
3 LCD ILLUMINATION
RADIO
J958W-13

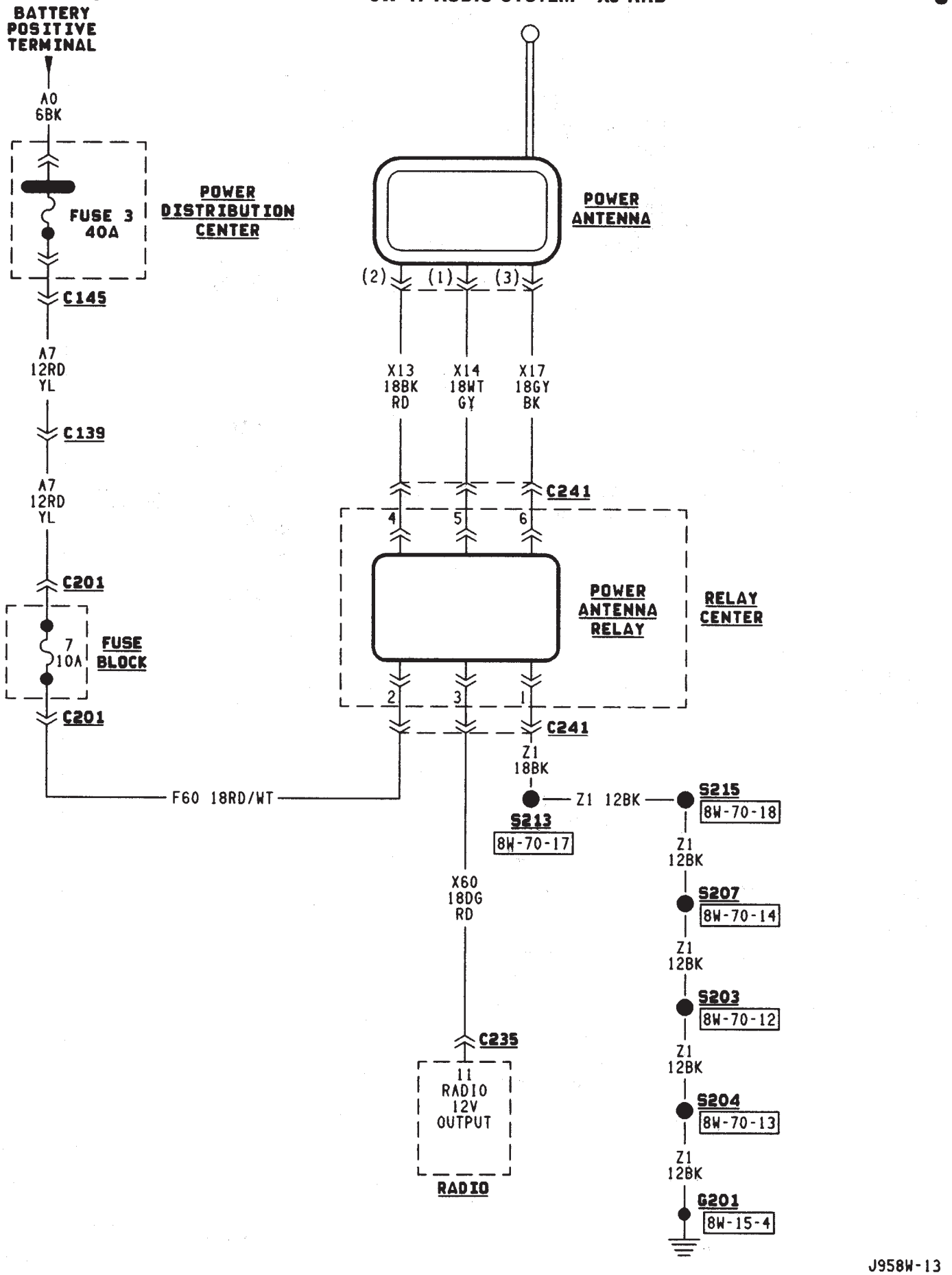
W/O ABS



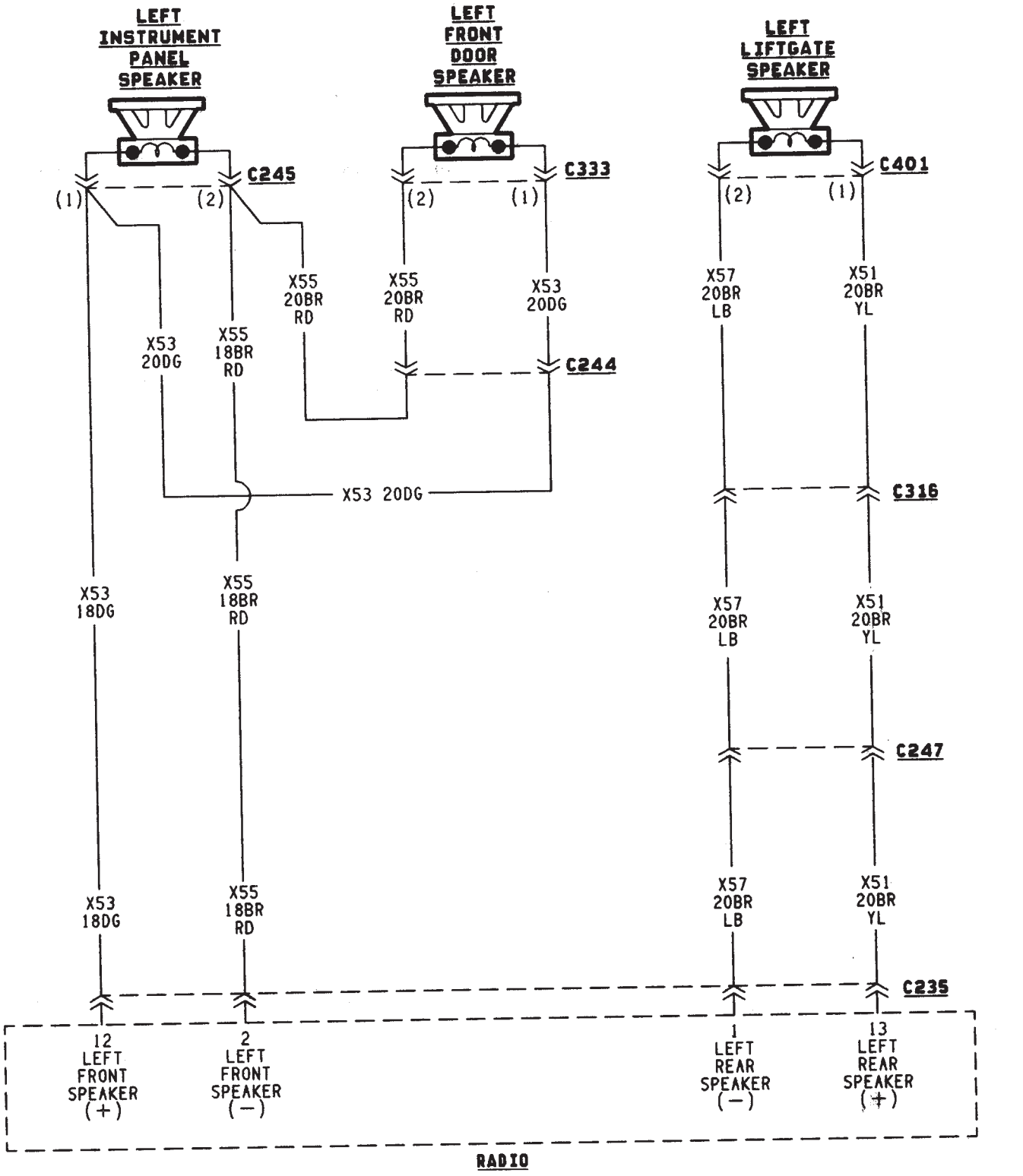
J958W-13

W/O ABS

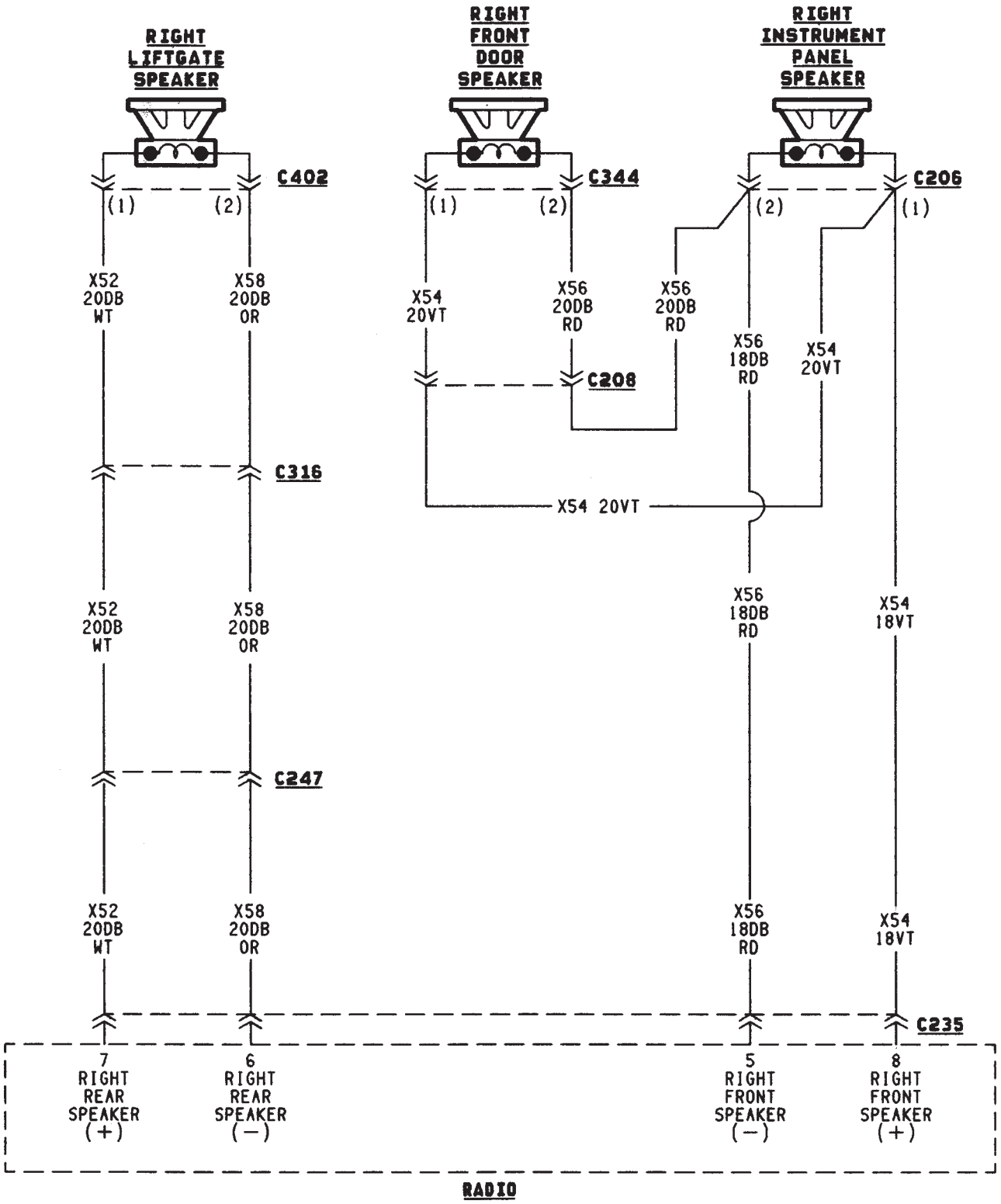

Z1 18BK
BATTERY POSITIVE TERMINAL
A0 6RD
C145
FUSE 5 40A
POWER DISTRIBUTION CENTER
C140
A3 12RD/WT
S201
8W-70-12
A3 12RD WT
C201
9 15A
FUSE BLOCK
C201
L7 18BK YL
C213
HEAD
OFF
PARK
HEADLAMP SWITCH
C213
L90 18DB RD
C203
L90 18DB/RD
REAR LIGHTING (8W-51-5)
SPLICE S127 (8W-70-11)
L90 18DB RD
C102
L90 18DB RD
C140
L90 18DB RD
C241
S223
8W-70-22
Z1 12BK
S222
8W-70-21
Z1 12BK
G201
8W-15-5
Z1 18BK
HEADLAMP DELAY MODULE (8W-50-7)
Z1 18BK
INTERMITTENT WIPER CONTROL MODULE (8W-53-5)
Z1 18BK
C241
LCD ILLUMINATION RELAY
C241
3
5
2
4
1
E2 200R/BK
F85 18VT/WT
RELAY CENTER
X5 18LB RD
C235
3 LCD ILLUMINATION
RADIO
RADIO GROUND
Z1 18BK
J958W-13


BATTERY POSITIVE TERMINAL
A0 6BK
FUSE 3 40A
POWER DISTRIBUTION CENTER
C145
A7 12RD YL
C139
A7 12RD YL
C201
7 10A
FUSE BLOCK
C201
F60 18RD/WT
POWER ANTENNA
(2) (1) (3)
X13 18BK RD
X14 18WT GY
X17 18GY BK
C241
4 5 6
POWER ANTENNA RELAY
RELAY CENTER
2 3 1
C241
Z1 18BK
S213
8W-70-17
Z1 12BK
S215
8W-70-18
Z1 12BK
S207
8W-70-14
Z1 12BK
S203
8W-70-12
Z1 12BK
S204
8W-70-13
Z1 12BK
G201
8W-15-4
X60 18DG RD
C235
11 RADIO 12V OUTPUT
RADIO

J958W-13


LEFT INSTRUMENT PANEL SPEAKER
LEFT FRONT DOOR SPEAKER
LEFT LIFTGATE SPEAKER
C245
C333
C401
(1)
(2)
(2)
(1)
(2)
(1)
X55 20BR RD
X55 20BR RD
X53 20DG
X57 20BR LB
X51 20BR YL
X53 20DG
X55 18BR RD
C244
X53 20DG
C316
X53 18DG
X55 18BR RD
X57 20BR LB
X51 20BR YL
C247
X53 18DG
X55 18BR RD
X57 20BR LB
X51 20BR YL
C235
12 LEFT FRONT SPEAKER (+)
2 LEFT FRONT SPEAKER (−)
1 LEFT REAR SPEAKER (−)
13 LEFT REAR SPEAKER (+)
RADIO

J958W-13


RIGHT LIFTGATE SPEAKER
RIGHT FRONT DOOR SPEAKER
RIGHT INSTRUMENT PANEL SPEAKER
C402
C344
C206
(1)
(2)
(1)
(2)
(2)
(1)
X52 20DB WT
X58 20DB OR
X54 20VT
X56 20DB RD
X56 20DB RD
X56 18DB RD
X54 20VT
C208
C316
X54 20VT
X52 20DB WT
X58 20DB OR
X56 18DB RD
X54 18VT
C247
X52 20DB WT
X58 20DB OR
X56 18DB RD
X54 18VT
C235
7 RIGHT REAR SPEAKER (+)
6 RIGHT REAR SPEAKER (−)
5 RIGHT FRONT SPEAKER (−)
8 RIGHT FRONT SPEAKER (+)
RADIO

J958W-13

HEATED REAR WINDOW

HEATED REAR WINDOW

The heated rear window relay supplies power to heated rear window grid. Circuit F83 from fuse 14 in the fuse block supplies power to the heated rear window relay when the ignition switch is in the ACCESSORY OR RUN positions.

When the operator depresses the heated rear window switch, the contacts inside the switch momentarily close and circuit C80 connects the switch to the relay. This causes the relay to change state and complete a circuit to energize the coil side of the relay and start the relay timer.

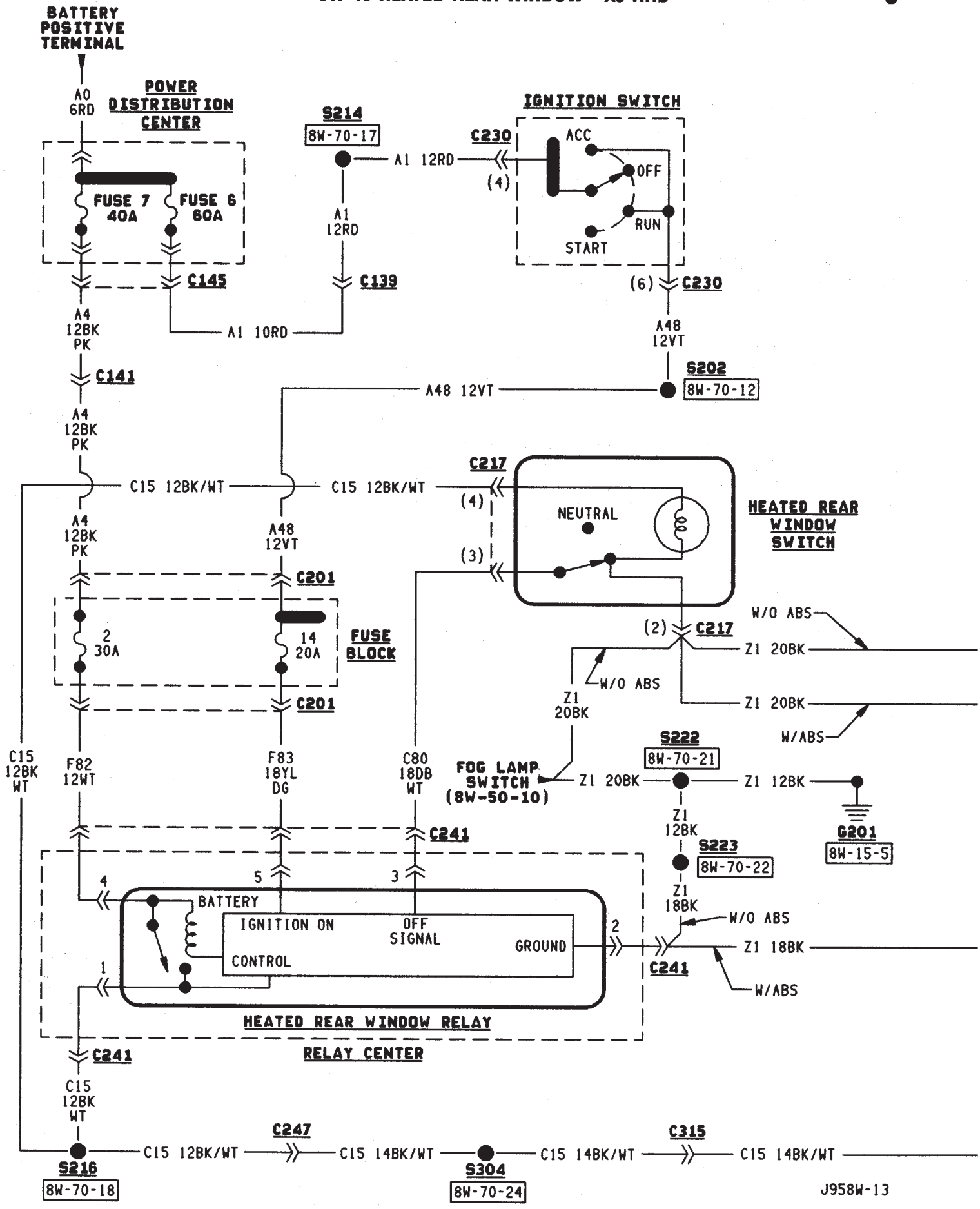
Circuit F82 from fuse 7 in the Power Distribution Center (PDC) supplies voltage to the coil and contact sides of the relay. Circuit Z1 provides ground for the relay.

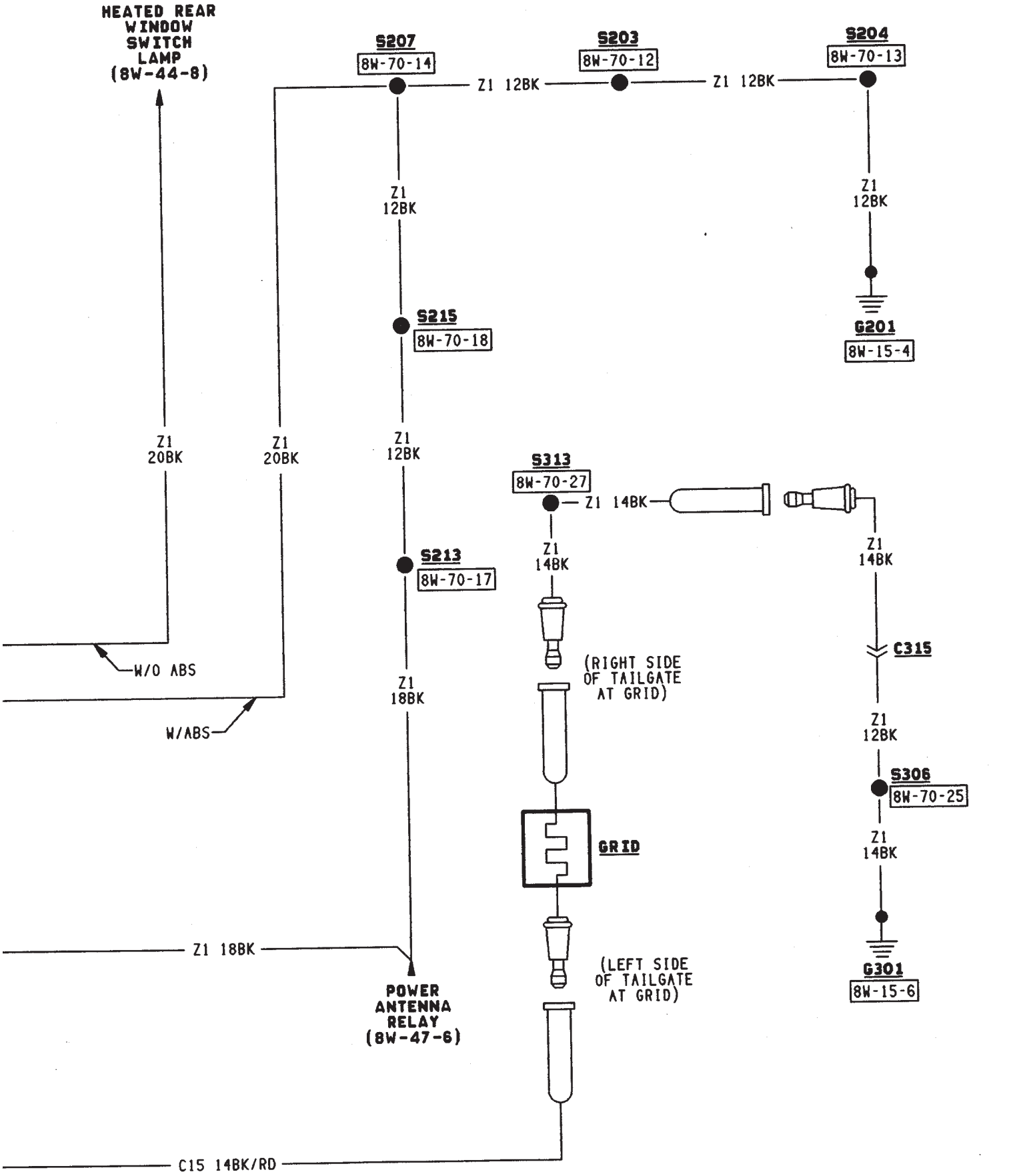
When the heated rear window relay energizes, the contacts inside the relay close and connect circuit F82 to circuit C15. Circuit C15 splices to the power the heated rear window grid and the indicator lamp in the heated rear window switch. Circuit Z1 provides ground for the heated rear window grid.

HELPFUL INFORMATION

- When the ignition switch is in the ACCESSORY or RUN positions, it connects circuit A1 from fuse 11 in the power distribution center (PDC) to circuit A48.
- Check for broken grid lines on the window.
- Check for a broken bus bar or disconnected leads at the rear window.
- Check for a good ground.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 7 40A
FUSE 6 60A
C145
A4 12BK PK
C141
A4 12BK PK
C15 12BK/WT
A4 12BK PK
C201
2 30A
14 20A
FUSE BLOCK
C201
C15 12BK WT
F82 12WT
F83 18YL DG
C80 18DB WT
C241
4
5
3
BATTERY
IGNITION ON
OFF SIGNAL
GROUND
CONTROL
1
2
HEATED REAR WINDOW RELAY
RELAY CENTER
C241
C15 12BK WT
S216
8W-70-18
S214
8W-70-17
A1 12RD
A1 12RD
C139
A1 10RD
C230
(4)
IGNITION SWITCH
ACC
OFF
RUN
START
(6) C230
A48 12VT
S202
8W-70-12
A48 12VT
C15 12BK/WT
A48 12VT
C201
C217
(4)
(3)
NEUTRAL
HEATED REAR WINDOW SWITCH
(2) C217
W/O ABS
Z1 20BK
W/O ABS
Z1 20BK
Z1 20BK
W/ABS
FOG LAMP SWITCH (8W-50-10)
Z1 20BK
S222
8W-70-21
Z1 12BK
Z1 12BK
S223
8W-70-22
G201
8W-15-5
Z1 18BK
W/O ABS
Z1 18BK
C241
W/ABS
C247
C15 12BK/WT
C15 14BK/WT
C315
C15 14BK/WT
C15 14BK/WT
S304
8W-70-24
J958W-13


HEATED REAR WINDOW SWITCH LAMP (8W-44-8)
S207
8W-70-14
S203
8W-70-12
S204
8W-70-13
Z1 12BK
Z1 12BK
Z1 12BK
Z1 12BK
S215
8W-70-18
G201
8W-15-4
Z1 20BK
Z1 20BK
Z1 12BK
S313
8W-70-27
Z1 14BK
Z1 14BK
S213
8W-70-17
Z1 14BK
C315
W/O ABS
(RIGHT SIDE OF TAILGATE AT GRID)
Z1 18BK
W/ABS
Z1 12BK
S306
8W-70-25
GRID
Z1 14BK
Z1 18BK
(LEFT SIDE OF TAILGATE AT GRID)
G301
8W-15-6
POWER ANTENNA RELAY (8W-47-6)
C15 14BK/RD

J958W-13

OVERHEAD CONSOLE

OVERHEAD CONSOLE

When the ignition switch is in the START or RUN position, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 supplies power to circuit F87 through fuse 26 in the fuse block. Circuit F87 supplies power to the overhead console.

When the headlamps or parking lamps are ON, circuits L90 and E2 provide voltage to the overhead console for illumination. Voltage on circuit L90 informs the overhead console that the headlamps or parking lamps are ON. Circuit E2 from the head lamp switch powers the illumination lamps in the overhead console. Circuit E2 also powers fuse 25 in the fuse block.

Circuits Z1 and Z2 provides ground for the overhead console. From circuit M2, the overhead console senses when one of the door jamb switches opens.

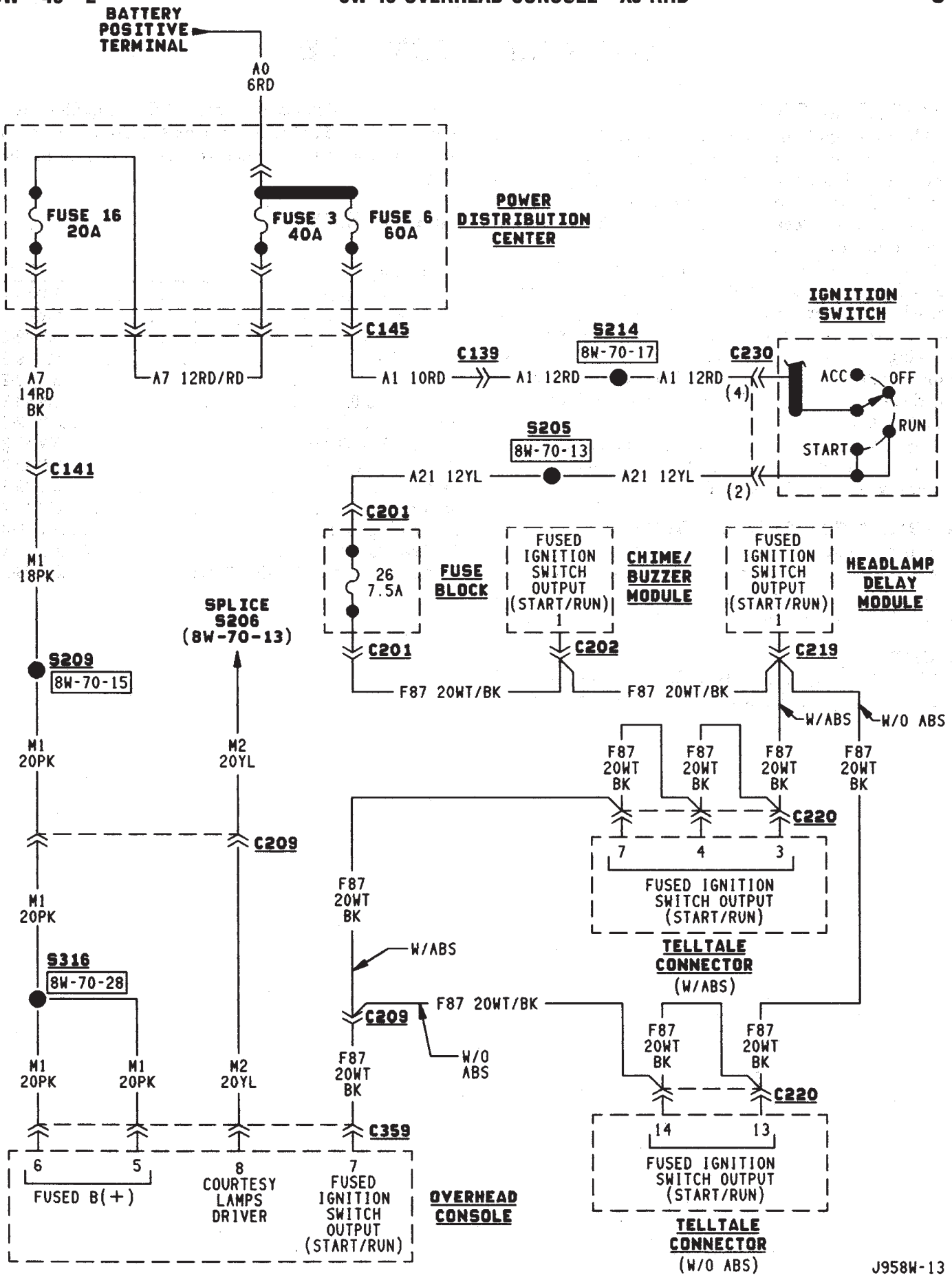
AMBIENT TEMPERATURE SENSOR

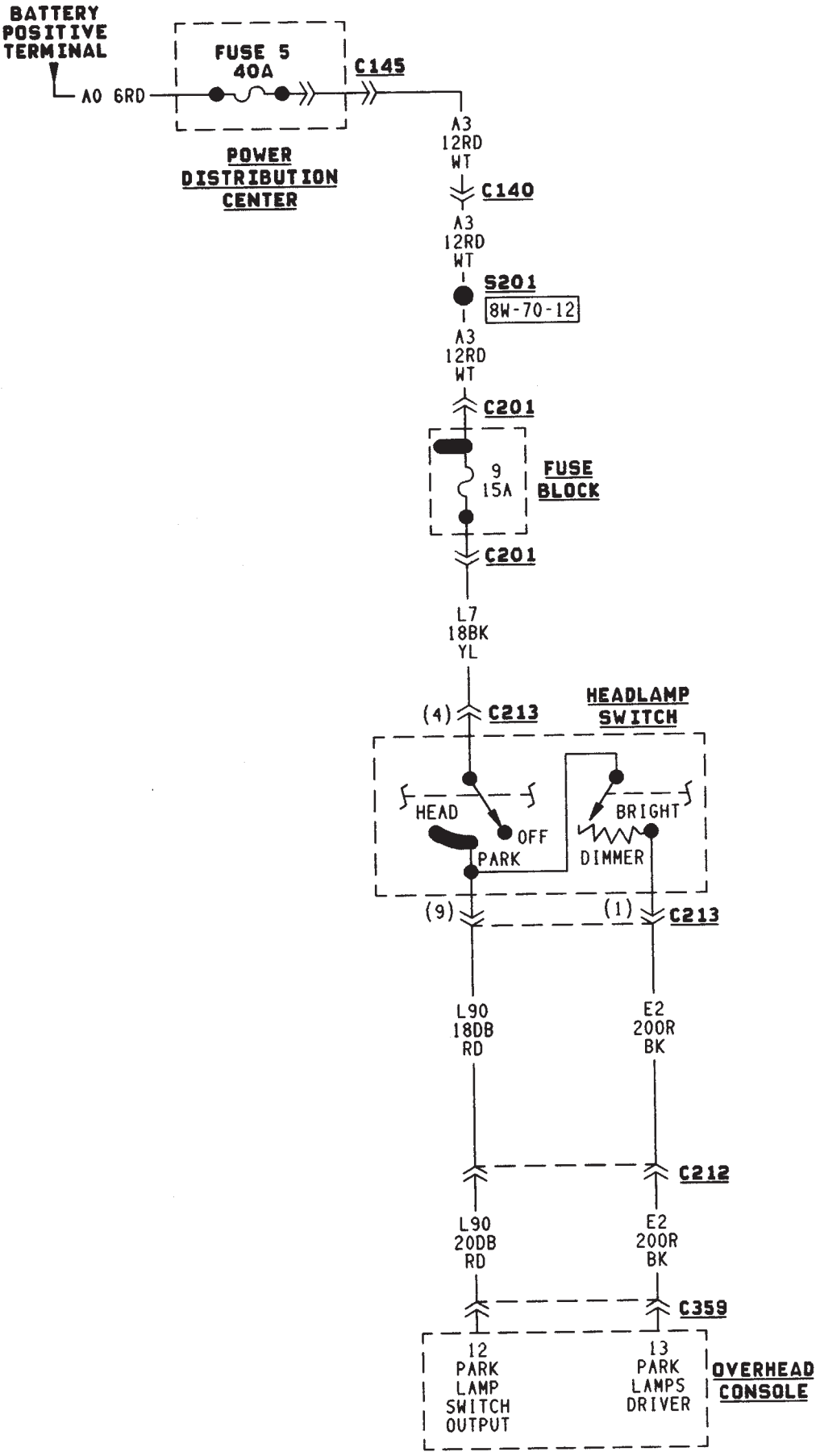
The ambient temperature sensor is a variable resistor. Circuit G31 supplies voltage from the overhead console to the sensor. Circuit G32 is the signal return from the sensor to the overhead console.

LAMPS

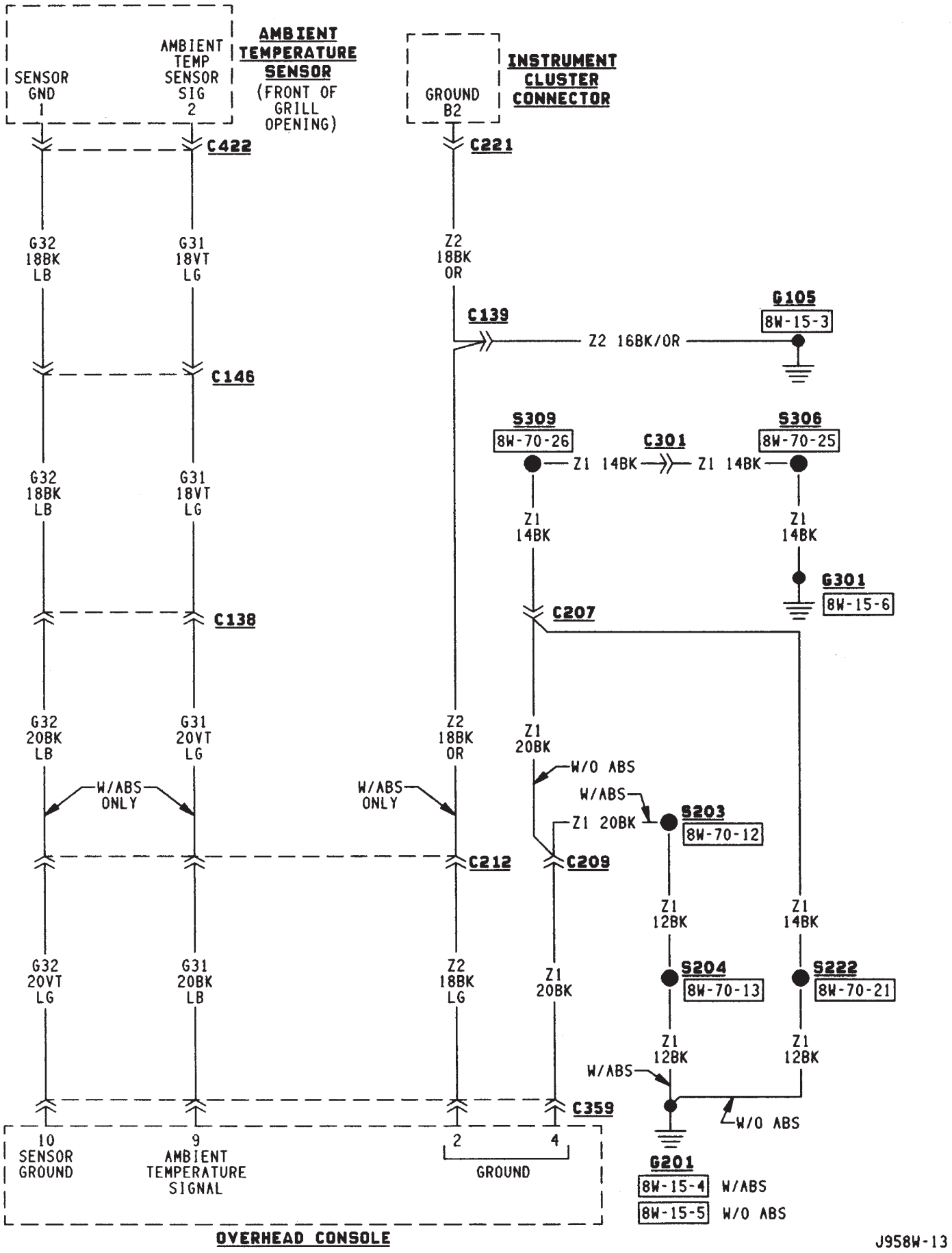
Circuit M1 supplies voltage for the case grounded reading lamps in the overhead console. Fuse 16 in the Power Distribution Center (PDC) supplies voltage to circuit M1 through circuit A7. Circuit A7 from fuse 3 in the PDC supplies voltage to fuse 16 in the PDC.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 16 20A
FUSE 3 40A
FUSE 6 60A
POWER DISTRIBUTION CENTER
C145
A7 14RD BK
A7 12RD/RD
A1 10RD
C139
S214
8W-70-17
A1 12RD
A1 12RD
C230
(4)
IGNITION SWITCH
ACC
OFF
RUN
START
S205
8W-70-13
A21 12YL
A21 12YL
(2)
C141
C201
M1 18PK
26 7.5A
FUSE BLOCK
FUSED IGNITION SWITCH OUTPUT (START/RUN) 1
CHIME/ BUZZER MODULE
FUSED IGNITION SWITCH OUTPUT (START/RUN) 1
HEADLAMP DELAY MODULE
SPLICE S206 (8W-70-13)
S209
8W-70-15
C201
C202
C219
F87 20WT/BK
F87 20WT/BK
W/ABS
W/O ABS
M1 20PK
M2 20YL
F87 20WT BK
F87 20WT BK
F87 20WT BK
F87 20WT BK
C220
7
4
3
FUSED IGNITION SWITCH OUTPUT (START/RUN)
TELLTALE CONNECTOR (W/ABS)
C209
M1 20PK
F87 20WT BK
W/ABS
S316
8W-70-28
F87 20WT/BK
C209
W/O ABS
M1 20PK
M1 20PK
M2 20YL
F87 20WT BK
F87 20WT BK
F87 20WT BK
C220
C359
14
13
FUSED IGNITION SWITCH OUTPUT (START/RUN)
6
5
8
7
FUSED B(+)
COURTESY LAMPS DRIVER
FUSED IGNITION SWITCH OUTPUT (START/RUN)
OVERHEAD CONSOLE
TELLTALE CONNECTOR (W/O ABS)
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
C145
POWER DISTRIBUTION CENTER
A3 12RD WT
C140
A3 12RD WT
S201
8W-70-12
A3 12RD WT
C201
9 15A
FUSE BLOCK
C201
L7 18BK YL
(4) C213
HEADLAMP SWITCH
HEAD
OFF
PARK
BRIGHT
DIMMER
(9)
(1) C213
L90 18DB RD
E2 200R BK
C212
L90 20DB RD
E2 200R BK
C359
12 PARK LAMP SWITCH OUTPUT
13 PARK LAMPS DRIVER
OVERHEAD CONSOLE

J958W-13


AMBIENT TEMPERATURE SENSOR
(FRONT OF GRILL OPENING)
SENSOR GND 1
AMBIENT TEMP SENSOR SIG 2
INSTRUMENT CLUSTER CONNECTOR
GROUND B2
C422
C221
G32 18BK LB
G31 18VT LG
Z2 18BK OR
C139
G105
8W-15-3
Z2 16BK/OR
C146
S309
8W-70-26
C301
S306
8W-70-25
Z1 14BK
Z1 14BK
Z1 14BK
Z1 14BK
G301
8W-15-6
C138
C207
G32 20BK LB
G31 20VT LG
Z2 18BK OR
Z1 20BK
W/O ABS
W/ABS ONLY
W/ABS ONLY
W/ABS
S203
8W-70-12
Z1 20BK
C212
C209
Z1 12BK
Z1 14BK
G32 20VT LG
G31 20BK LB
Z2 18BK LG
Z1 20BK
S204
8W-70-13
S222
8W-70-21
Z1 12BK
Z1 12BK
W/ABS
W/O ABS
C359
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
10 SENSOR GROUND
9 AMBIENT TEMPERATURE SIGNAL
2
4
GROUND
OVERHEAD CONSOLE

J958W-13

FRONT LIGHTING

INDEX

HEADLAMPS

The headlamp switch has three positions: ON, PARK (parking lamps) and OFF. Circuit A3 from fuse 12 in the PDC connects to the headlamp switch and feeds circuit L7 through fuse 9 in the fuse block. Circuit L7 connects to the headlamp switch.

Circuit A3 also splices to feed circuit L11 through fuse 10 in the fuse block. Circuit L11 connects to the dimmer switch circuitry in the multi-function switch.

The headlamp switch has an internal circuit breaker that connects circuit A3 to circuit F34. Circuit F34 connects to the headlamp relay.

HEADLAMP RELAY

When the headlamp switch is in the ON position it connects circuit A3 from fuse 5 in the Power Distribution Center (PDC) to circuit F34. Circuit A3 is HOT at all times.

Circuit F34 supplies battery voltage to the coil and contact sides of the headlamp relay. Circuit Z1 supplies ground for the relay. When voltage is present on circuit F34, the relay contacts close and connect circuit F39 to circuit F34.

Circuit F39 powers the headlamps through the dimmer switch circuitry in the multi-function switch.

HEADLAMP SWITCH IN OFF OR PARKING LAMP POSITION

Circuit L11 connects to the dimmer switch portion of the multi-function switch. Circuit L11 supplies power for the high beams on circuit L3 when the operator flashes the headlamps with the turn signal stalk of the multi-function switch.

HEADLAMP SWITCH IN ON POSITION

When the headlamp switch is in the ON position, circuit A3 from fuse 12 in the Power Distribution Center (PDC) connects to circuit F34. Circuit F34 connects to circuit F39 through the headlamp relay. Circuit F39 feeds circuit L4 through the headlamp dimmer switch circuitry in the multi-function switch. Circuit L4 powers the low beam of the headlamps.

When the operator selects high beam operation with the turn signal stalk of the multi-function switch, circuit L11 connects to the L3 circuit. Circuit L3 powers high beam operation.

HEADLAMP GROUND

Circuit Z1 provides ground for both the right and left headlamps. Circuit Z1 also supplies ground the fog lamps, if equipped.

HELPFUL INFORMATION

- Check fuse 5 in the PDC.
- The headlamp switch has an internal circuit breaker.
- Circuit L7 is double crimped at the headlamp switch and branches to the chime module.

HEADLAMP DELAY MODULE

When the operator turns off the ignition switch and the headlamp switch, the headlamp delay module powers the headlamps for approximately 45 seconds.

When the ignition switch is in the RUN position, circuit A21 powers circuit F87 through fuse 17 in the fuse block. Circuit F87 supplies the IGNITION ON/OFF signal to the headlamp delay module. Circuit Z1 provides ground for the module.

When the headlamp delay module activates, it connects circuit X4 from fuse 5 in the fuse block to circuit F34. Circuit F34 connects to the circuit F39 through the headlamp relay. Circuit F39 powers the headlamps through the headlamp dimmer switch circuit L4.

HELPFUL INFORMATION

Circuit A7 from fuse 3 in the PDC supplies voltage to the fuse block bus bar that powers circuit X4 through the fuse in cavity 5.

DIMMING MODULE

Some vehicles are equipped with a dimming module. The module is powered by the dimming relay.

In the RUN position, the ignition switch connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A38. Circuit A38 powers circuit L170 through fuse 20 in the fuse block. Circuit L170 supplies power to the dimming relay.

When the headlamps are ON, circuit L90 from the headlamp switch energizes the dimming relay. When

energized, the relay supplies power to the dimming module on a branch of circuit A38. Circuit Z1 provides ground for the dimming relay.

The dimming module connects to the headlamp dimmer switch on circuits L3 and L4.

PARKING LAMPS

Circuit A3 from fuse 5 in the Power Distribution Center (PDC) connects to a bus bar in the fuse block which feeds circuit L7. Fuse 9 in the fuse block protects circuit L7.

The headlamp switch has three positions: ON, PARK (parking lamps) and OFF, plus a dimmer switch. When the headlamp switch is in the PARK or ON position, the switch connects circuit L7 to circuit L90. From the headlamp switch, circuit L90 branches to power the front parking lamps and rear tail lamps, side marker lamps, and rear license plate lamps.

GROUND CIRCUIT

Circuit Z1 provides a ground for the parking lamps and side marker lamps. The Z1 circuit also provide ground for the headlamps.

HELPFUL INFORMATION

- Check fuse 5 in PDC.
- Check fuse 9 in the fuse block.
- When the headlamp switch is in the PARK or ON position, the dimmer circuit, L7, also connects to circuit E2. Circuit E2 continues through fuse 25 in the fuse block. Circuit E2 powers the illumination lamps.

FOG LAMPS

The fog lamps are controlled by the fog lamp switch and fog lamp relay. The fog lamps operate only when the headlamp switch is in the ON position, and the operator has selected low-beam operation. When the headlamps are in high-beam operation, the fog lamps will not operate.

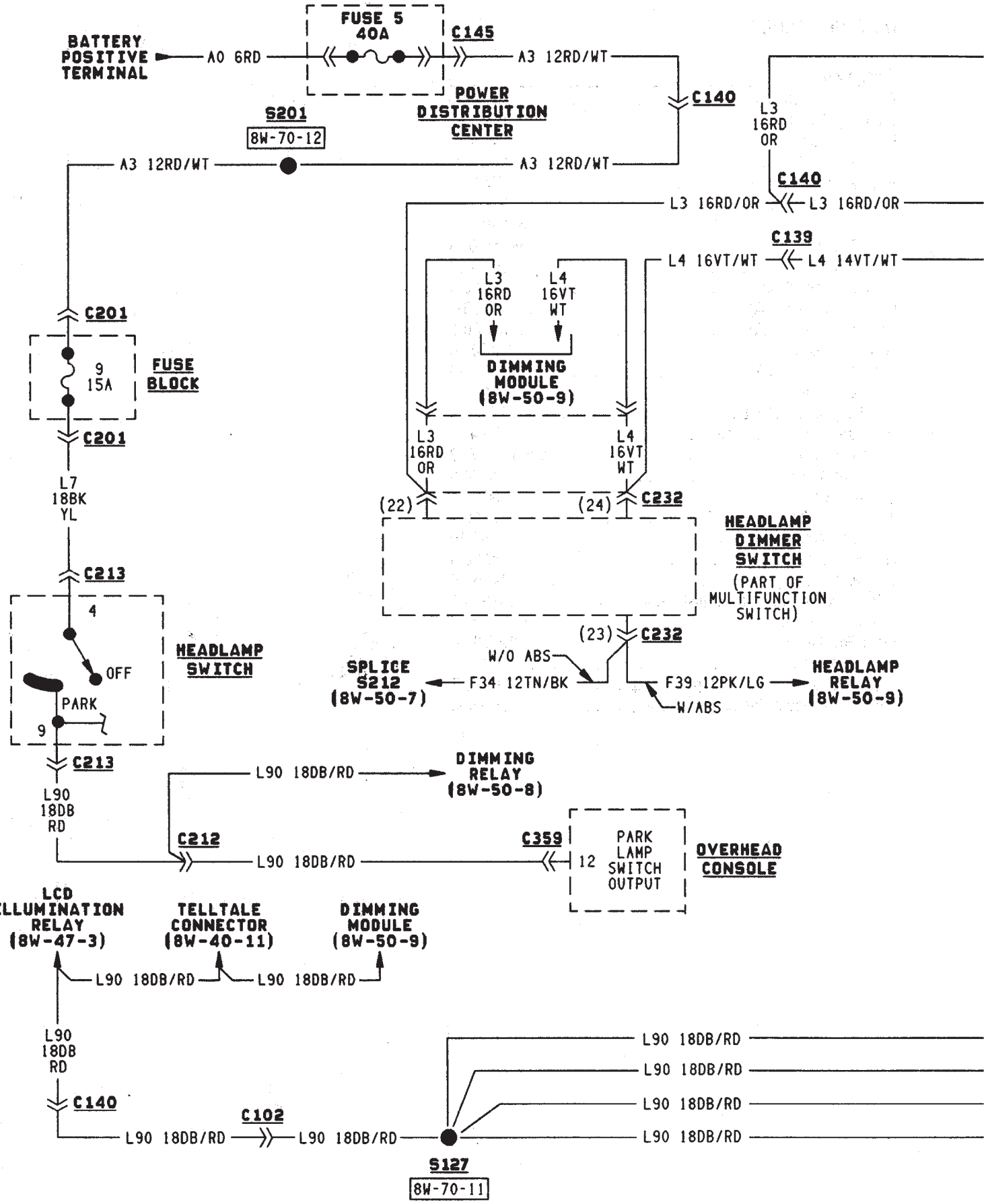
Circuit F39 from fuse 13 in the Power Distribution Center (PDC) supplies voltage to the contact side of the park lamp relay.

When the fog lamp switch closes, it connects circuit F34 from the headlamp relay to L35. Circuit L35 supplies power to the coil side of the fog lamp relay and energizes the relay. Ground for the coil side of the fog lamp relay is provided on circuit Z1.

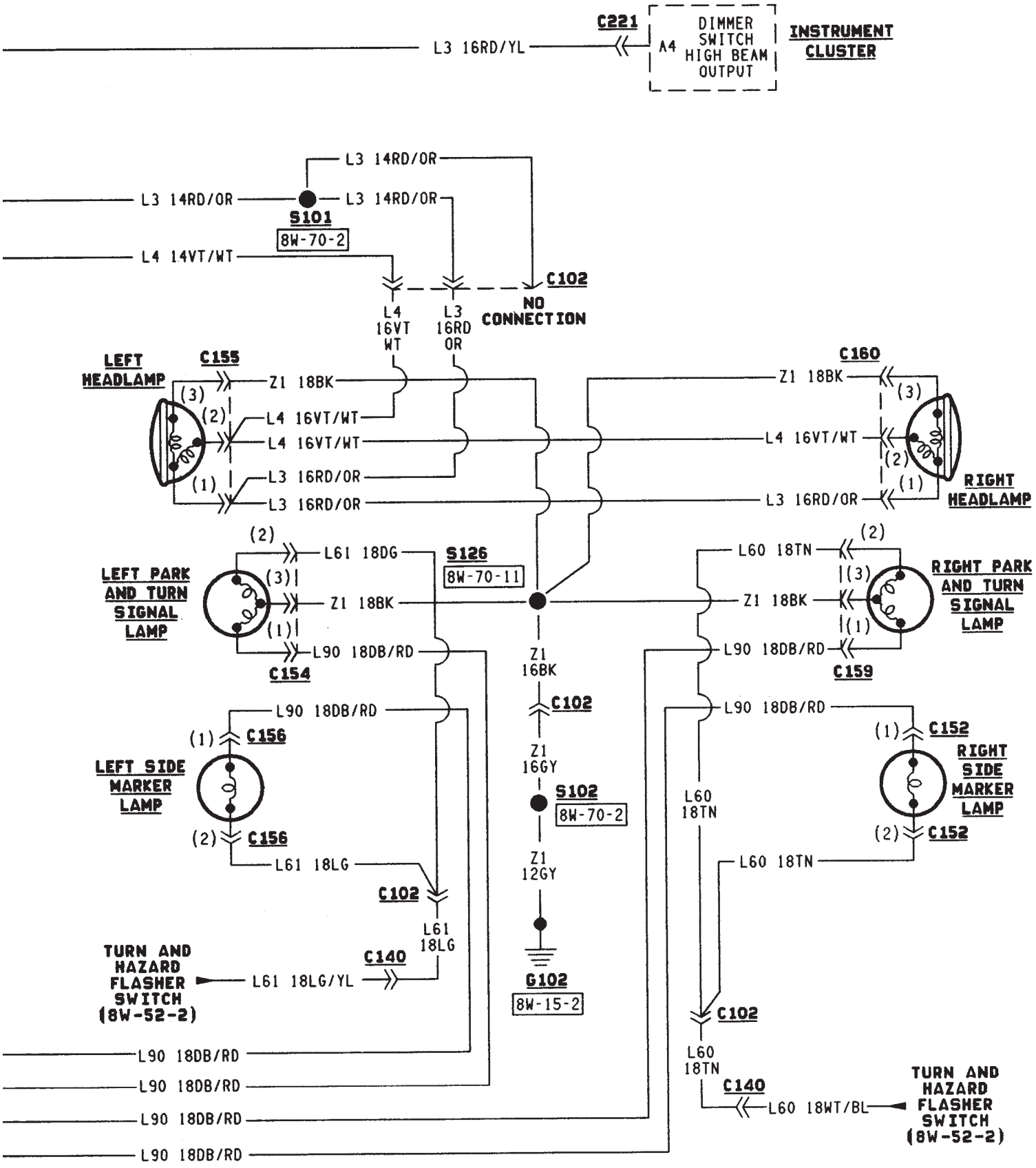
When fog lamp relay energizes, it connects circuit F39 to circuit 117. Circuit 117 supplies power to the fog lamps. Circuit Z1 provides ground for the fog lamps.

If the high beam lamps are ON, the dimmer switch does not power circuit L4 and the fog lamp relay opens. When the relay opens, battery voltage is removed from the fog lamps.

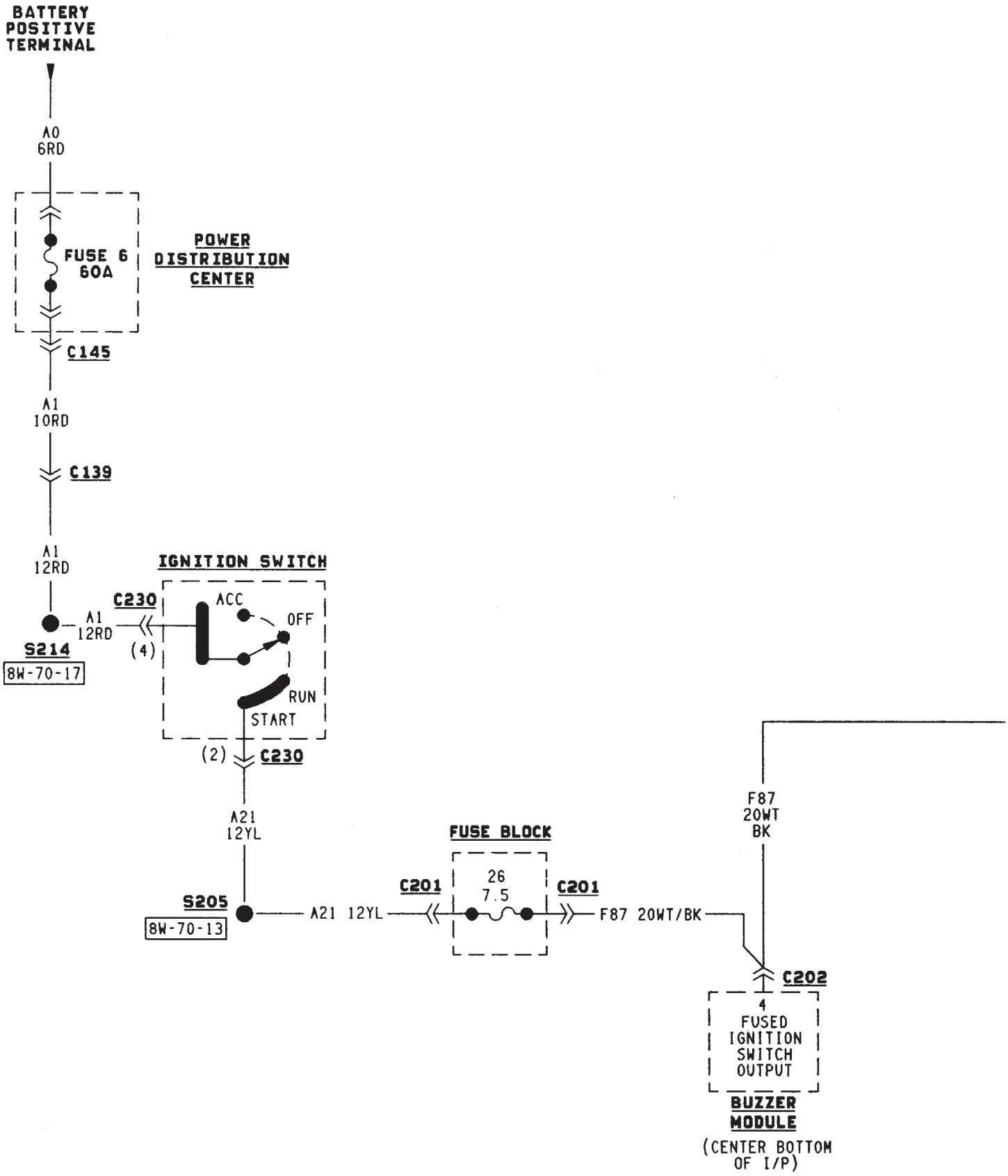
DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
C145
A3 12RD/WT
POWER DISTRIBUTION CENTER
C140
S201
8W-70-12
A3 12RD/WT
A3 12RD/WT
L3 16RD OR
C140
L3 16RD/OR
L3 16RD/OR
C139
L4 16VT/WT
L4 14VT/WT
L3 16RD OR
L4 16VT WT
DIMMING MODULE (8W-50-9)
C201
9 15A
FUSE BLOCK
C201
L7 18BK YL
L3 16RD OR
L4 16VT WT
(22)
(24)
C232
HEADLAMP DIMMER SWITCH
(PART OF MULTIFUNCTION SWITCH)
C213
4
OFF
PARK
9
HEADLAMP SWITCH
(23)
C232
W/O ABS
SPLICE S212 (8W-50-7)
F34 12TN/BK
F39 12PK/LG
HEADLAMP RELAY (8W-50-9)
W/ABS
C213
L90 18DB RD
L90 18DB/RD
DIMMING RELAY (8W-50-8)
C212
C359
12
PARK LAMP SWITCH OUTPUT
OVERHEAD CONSOLE
L90 18DB/RD
LCD ILLUMINATION RELAY (8W-47-3)
TELLTALE CONNECTOR (8W-40-11)
DIMMING MODULE (8W-50-9)
L90 18DB/RD
L90 18DB/RD
L90 18DB RD
C140
C102
L90 18DB/RD
L90 18DB/RD
L90 18DB/RD
L90 18DB/RD
L90 18DB/RD
S127
8W-70-11

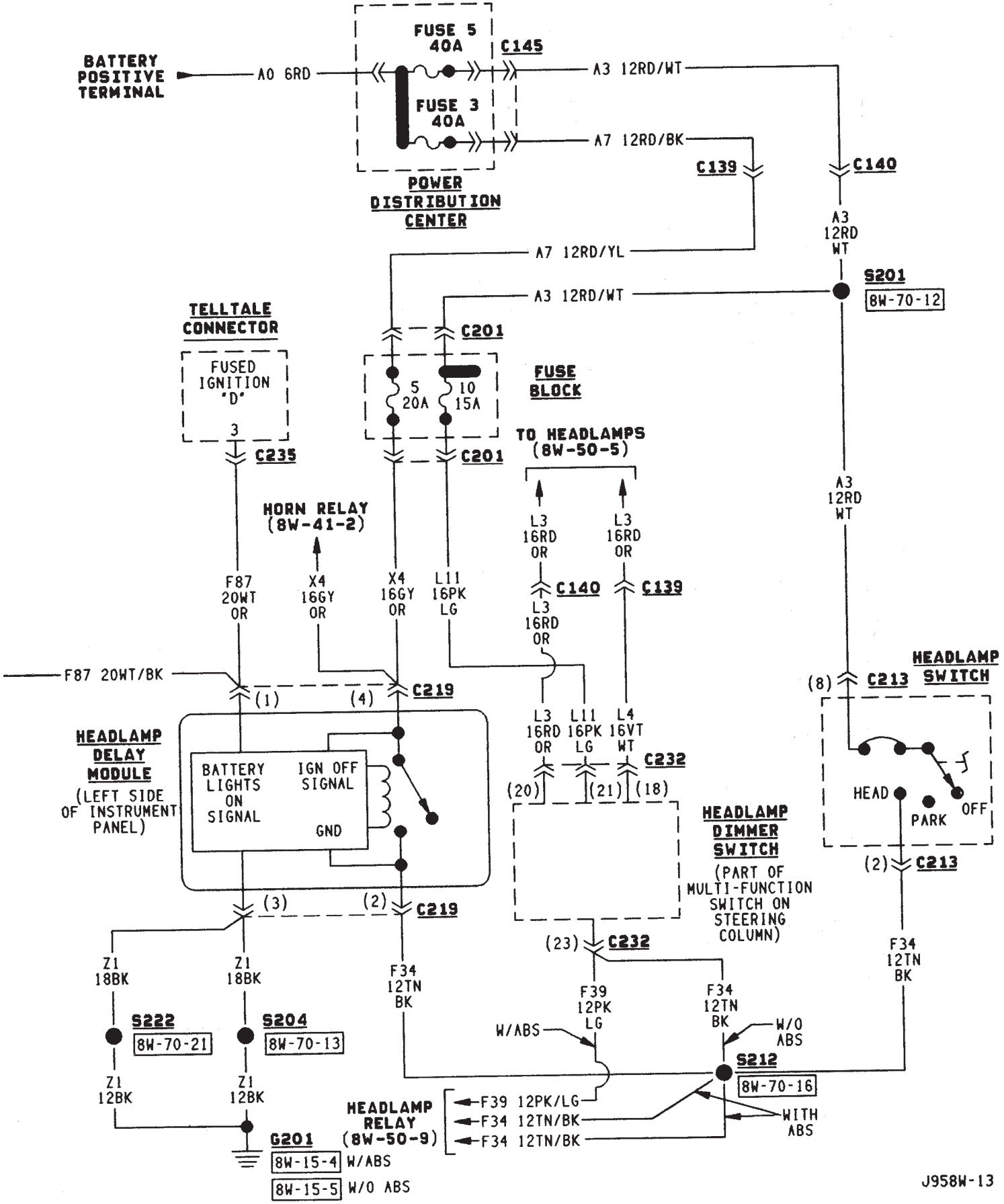
J958W-13

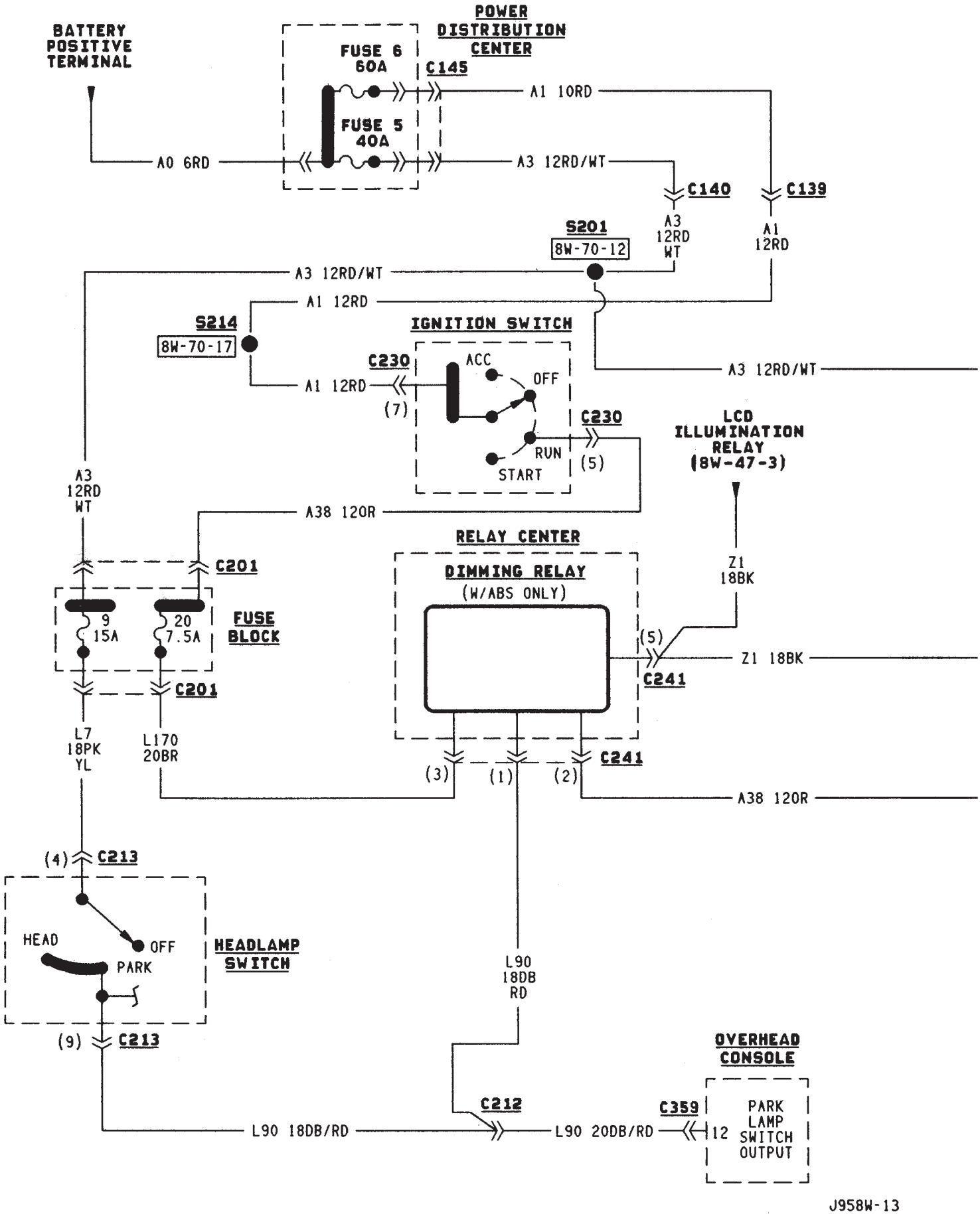

C221
A4 DIMMER SWITCH HIGH BEAM OUTPUT
INSTRUMENT CLUSTER
L3 16RD/YL
L3 14RD/OR
S101
8W-70-2
L4 14VT/WT
C102
NO CONNECTION
L4 16VT WT
L3 16RD OR
LEFT HEADLAMP
C155
Z1 18BK
L4 16VT/WT
L3 16RD/OR
C160
RIGHT HEADLAMP
LEFT PARK AND TURN SIGNAL LAMP
L61 18DG
S126
8W-70-11
L90 18DB/RD
C154
Z1 16BK
C102
Z1 16GY
S102
8W-70-2
Z1 12GY
G102
8W-15-2
L60 18TN
RIGHT PARK AND TURN SIGNAL LAMP
C159
LEFT SIDE MARKER LAMP
C156
L61 18LG
C102
L61 18LG
C140
TURN AND HAZARD FLASHER SWITCH (8W-52-2)
L61 18LG/YL
RIGHT SIDE MARKER LAMP
C152
L60 18TN
C102
C140
L60 18WT/BL
TURN AND HAZARD FLASHER SWITCH (8W-52-2)

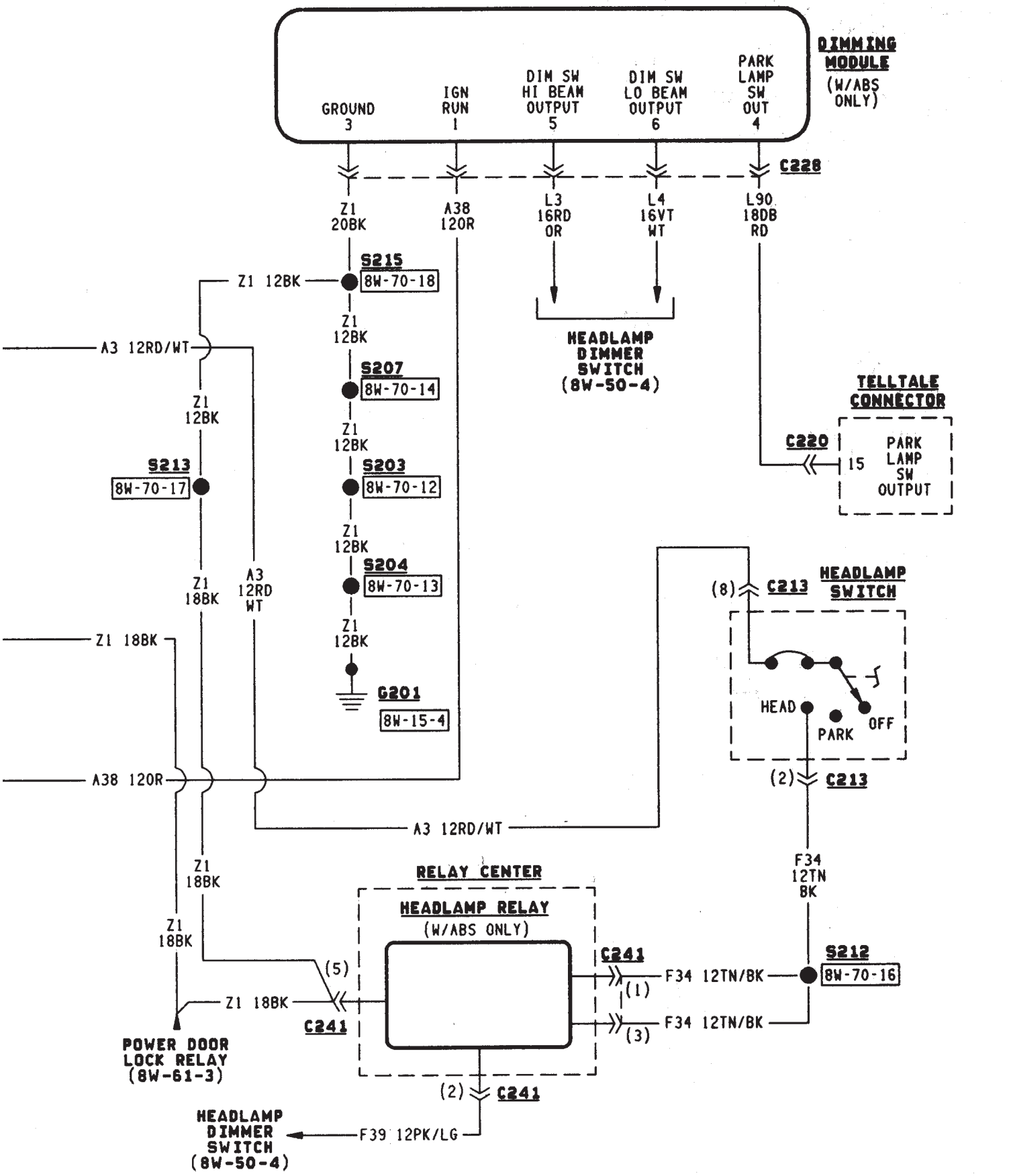
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 6 60A
POWER DISTRIBUTION CENTER
C145
A1 10RD
C139
A1 12RD
IGNITION SWITCH
C230
ACC
OFF
A1 12RD
(4)
S214
8W-70-17
RUN
START
(2)
C230
A21 12YL
S205
8W-70-13
A21 12YL
FUSE BLOCK
C201
26 7.5
C201
F87 20WT/BK
F87 20WT BK
C202
4
FUSED IGNITION SWITCH OUTPUT
BUZZER MODULE
(CENTER BOTTOM OF I/P)

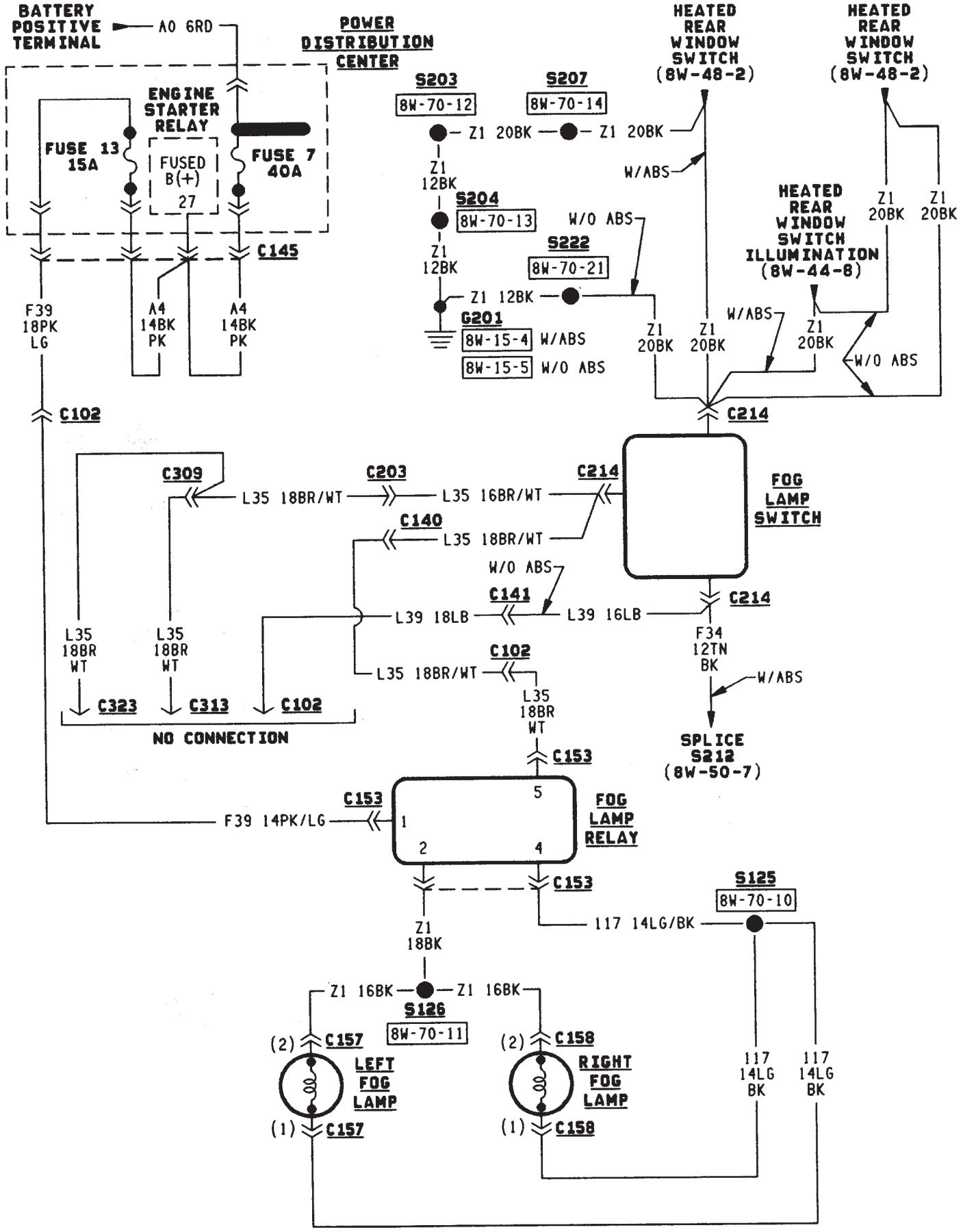
J958W-7


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
FUSE 3 40A
C145
A3 12RD/WT
A7 12RD/BK
POWER DISTRIBUTION CENTER
C139
C140
A7 12RD/YL
A3 12RD WT
S201
8W-70-12
A3 12RD/WT
TELLTALE CONNECTOR
FUSED IGNITION "D"
3
C235
C201
5 20A
10 15A
FUSE BLOCK
C201
TO HEADLAMPS (8W-50-5)
HORN RELAY (8W-41-2)
L3 16RD OR
L3 16RD OR
F87 20WT OR
X4 16GY OR
X4 16GY OR
L11 16PK LG
C140
C139
L3 16RD OR
F87 20WT/BK
(1)
(4)
C219
HEADLAMP SWITCH
(8)
C213
L3 16RD OR
L11 16PK LG
L4 16VT WT
C232
HEADLAMP DELAY MODULE
(LEFT SIDE OF INSTRUMENT PANEL)
BATTERY LIGHTS ON SIGNAL
IGN OFF SIGNAL
GND
(20)
(21)
(18)
HEADLAMP DIMMER SWITCH
(PART OF MULTI-FUNCTION SWITCH ON STEERING COLUMN)
HEAD
PARK
OFF
(2)
C213
(3)
(2)
C219
(23)
C232
Z1 18BK
Z1 18BK
F34 12TN BK
F39 12PK LG
F34 12TN BK
F34 12TN BK
W/ABS
W/O ABS
S222
8W-70-21
S204
8W-70-13
S212
8W-70-16
Z1 12BK
Z1 12BK
F39 12PK/LG
F34 12TN/BK
F34 12TN/BK
WITH ABS
HEADLAMP RELAY (8W-50-9)
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
J958W-13


BATTERY POSITIVE TERMINAL
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 5 40A
C145
A0 6RD
A1 10RD
A3 12RD/WT
C140
C139
A3 12RD WT
A1 12RD
S201
8W-70-12
A3 12RD/WT
A1 12RD
S214
8W-70-17
IGNITION SWITCH
C230
ACC
OFF
RUN
START
(7)
(5)
A3 12RD/WT
LCD ILLUMINATION RELAY (8W-47-3)
A3 12RD WT
A38 12OR
C201
FUSE BLOCK
9 15A
20 7.5A
RELAY CENTER
DIMMING RELAY
(W/ABS ONLY)
Z1 18BK
(5)
C241
Z1 18BK
L7 18PK YL
L170 20BR
(3)
(1)
(2)
C241
A38 12OR
(4)
C213
HEAD
OFF
PARK
HEADLAMP SWITCH
L90 18DB RD
(9)
C213
OVERHEAD CONSOLE
C212
C359
12
PARK LAMP SWITCH OUTPUT
L90 18DB/RD
L90 20DB/RD
J958W-13


DIMMING MODULE
(W/ABS ONLY)
GROUND 3
IGN RUN 1
DIM SW HI BEAM OUTPUT 5
DIM SW LO BEAM OUTPUT 6
PARK LAMP SW OUT 4
C228
Z1 20BK
A38 120R
L3 16RD OR
L4 16VT WT
L90 18DB RD
S215
8W-70-18
Z1 12BK
HEADLAMP DIMMER SWITCH (8W-50-4)
TELLTALE CONNECTOR
C220
15 PARK LAMP SW OUTPUT
A3 12RD/WT
S207
8W-70-14
S213
8W-70-17
S203
8W-70-12
S204
8W-70-13
G201
8W-15-4
Z1 18BK
A3 12RD WT
(8) C213
HEADLAMP SWITCH
HEAD
PARK
OFF
(2) C213
A38 120R
A3 12RD/WT
F34 12TN BK
RELAY CENTER
HEADLAMP RELAY
(W/ABS ONLY)
C241
(5)
(1)
(3)
F34 12TN/BK
S212
8W-70-16
POWER DOOR LOCK RELAY (8W-61-3)
(2) C241
HEADLAMP DIMMER SWITCH (8W-50-4)
F39 12PK/LG

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
ENGINE STARTER RELAY
FUSE 13 15A
FUSED B(+) 27
FUSE 7 40A
C145
F39 18PK LG
A4 14BK PK
A4 14BK PK
C102
S203
8W-70-12
S207
8W-70-14
HEATED REAR WINDOW SWITCH (8W-48-2)
HEATED REAR WINDOW SWITCH (8W-48-2)
Z1 20BK
Z1 20BK
W/ABS
Z1 12BK
S204
8W-70-13
W/O ABS
S222
8W-70-21
Z1 12BK
G201
8W-15-4 W/ABS
8W-15-5 W/O ABS
HEATED REAR WINDOW SWITCH ILLUMINATION (8W-44-8)
Z1 20BK
Z1 20BK
Z1 20BK
Z1 20BK
Z1 20BK
W/ABS
W/O ABS
C214
C309
C203
C214
FOG LAMP SWITCH
L35 18BR/WT
L35 16BR/WT
C140
L35 18BR/WT
W/O ABS
C141
L39 18LB
L39 16LB
C214
F34 12TN BK
W/ABS
L35 18BR WT
L35 18BR WT
C323
C313
C102
NO CONNECTION
C102
L35 18BR/WT
L35 18BR WT
SPLICE S212 (8W-50-7)
C153
C153
5
FOG LAMP RELAY
F39 14PK/LG
1
2
4
C153
S125
8W-70-10
117 14LG/BK
Z1 18BK
Z1 16BK
Z1 16BK
S126
8W-70-11
(2) C157
LEFT FOG LAMP
(1) C157
(2) C158
RIGHT FOG LAMP
(1) C158
117 14LG BK
117 14LG BK

J958W-13

REAR LIGHTING

TAIL LAMPS AND REAR LICENSE PLATE LAMPS

Circuit A3 from fuse 5 in the Power Distribution Center (PDC) connects to a bus bar in the fuse block which feeds circuit L7. Fuse 9 in the fuse block protects circuit L7.

The headlamp switch has three positions: ON, PARK (parking lamps) and OFF, plus a dimmer switch. When the headlamp switch is in the PARK or ON position, the switch connects circuit L7 to circuit L90. From the headlamp switch, circuit L90 branches to power the front parking lamps and rear tail lamps, side marker lamps, and rear license plate lamps.

GROUND CIRCUIT

Circuit Z1 provides a ground for the parking lamps, tail lamps, and rear license plate lamps.

HELPFUL INFORMATION

- Check fuse 5 in PDC.
- Check fuse 9 in the fuse block.
- When the headlamp switch is in the PARK or ON position, circuit L7 also connects to circuit E2. Circuit E2 continues through fuse 25 in the fuse block. Circuit E2 powers the illumination lamps.

STOP LAMPS AND CHMSL LAMPS

Circuit L9 from fuse 4 in the Power Distribution Center (PDC) connects to the stop lamp switch. When the operator depresses the brake pedal, the stop lamp switch closes and connects circuit L9 to circuit L50. Circuit L50 connects to the stop lamps and center high mounted stop lamps (CHMSL). Circuit Z1 provides a ground for the stop lamps.

HELPFUL INFORMATION

- Check fuses 13 in the PDC.
- Check for continuity across the stop lamp switch when it is closed.

BACK-UP LAMPS

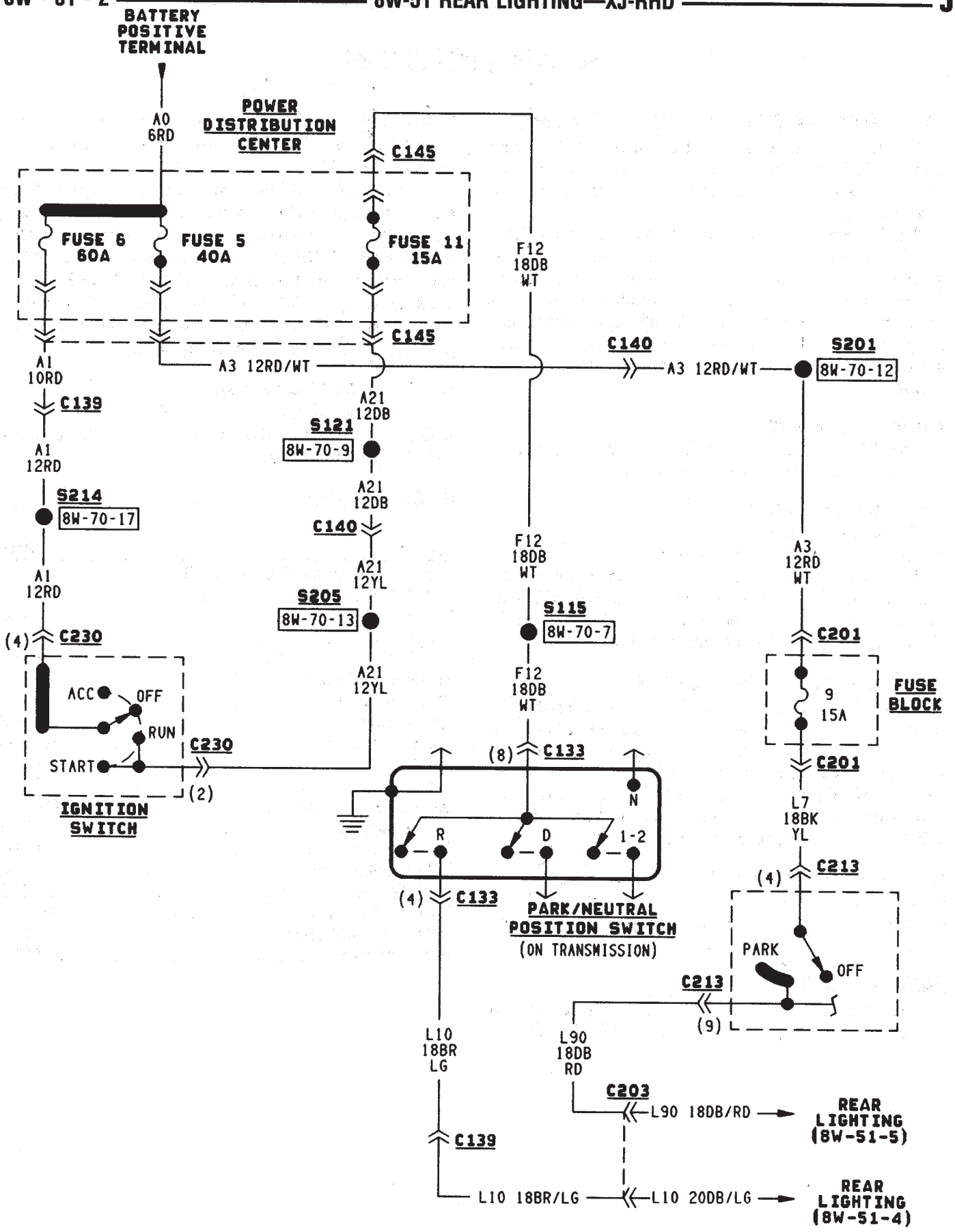
In the START or RUN position, the ignition switch connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 feeds a bus bar in the PDC that powers circuit F12 through fuse 11.

Circuit F12 supplies power to the back-up lamp switch. On automatic transmission equipped vehicles, the back-up lamp switch is part of an assembly that includes the PARK/NEUTRAL position switch. When the operator puts the transmission in REVERSE, the back-up lamp switch connects circuit F12 to circuit L10. Circuit L10 feeds the back-up lamps. Circuit Z1 provides ground for the back-up lamps.

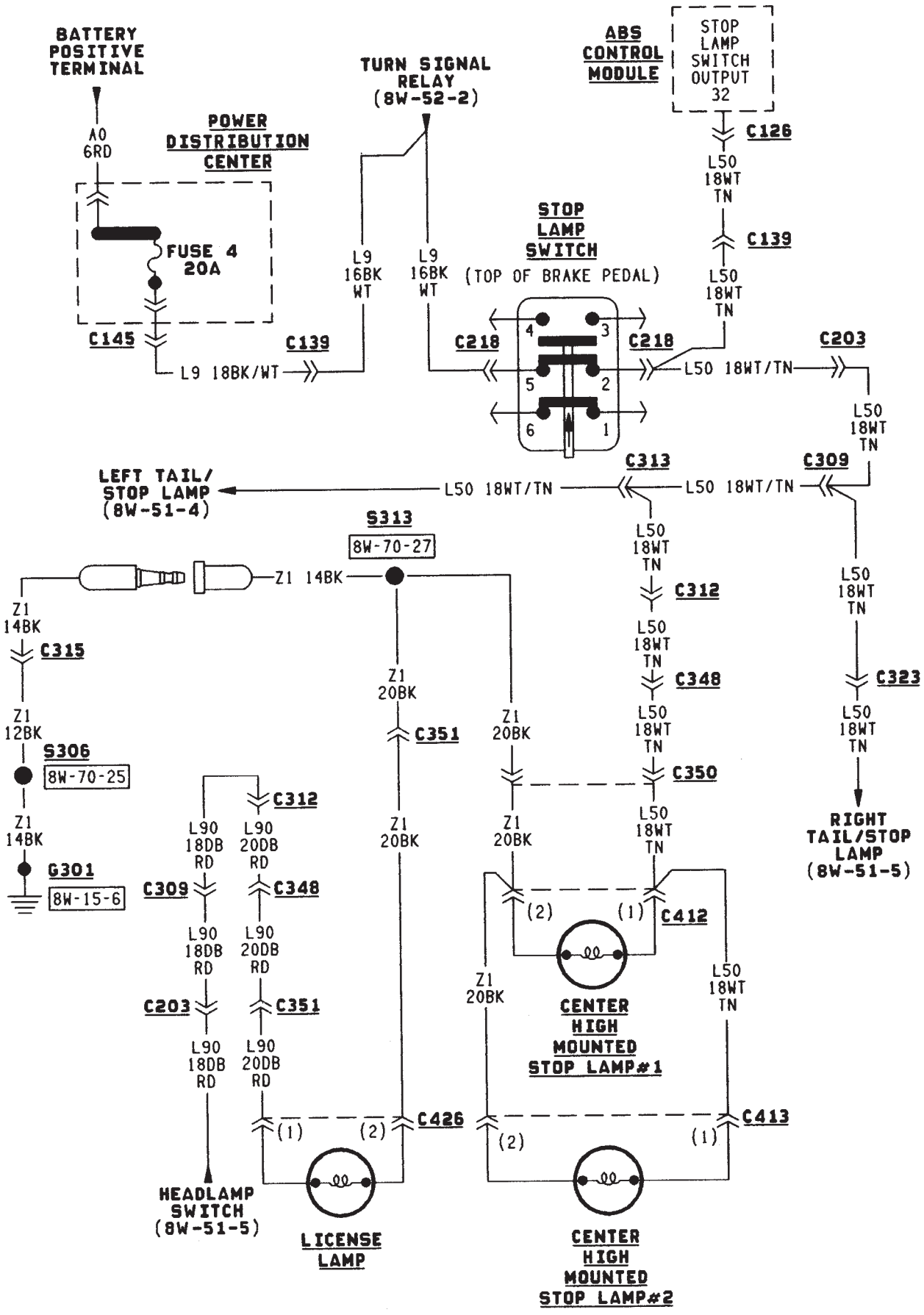
HELPFUL INFORMATION

- Check fuses 6 and 11 in the PDC.
- Check for continuity across the back-up lamp switch when it is closed.

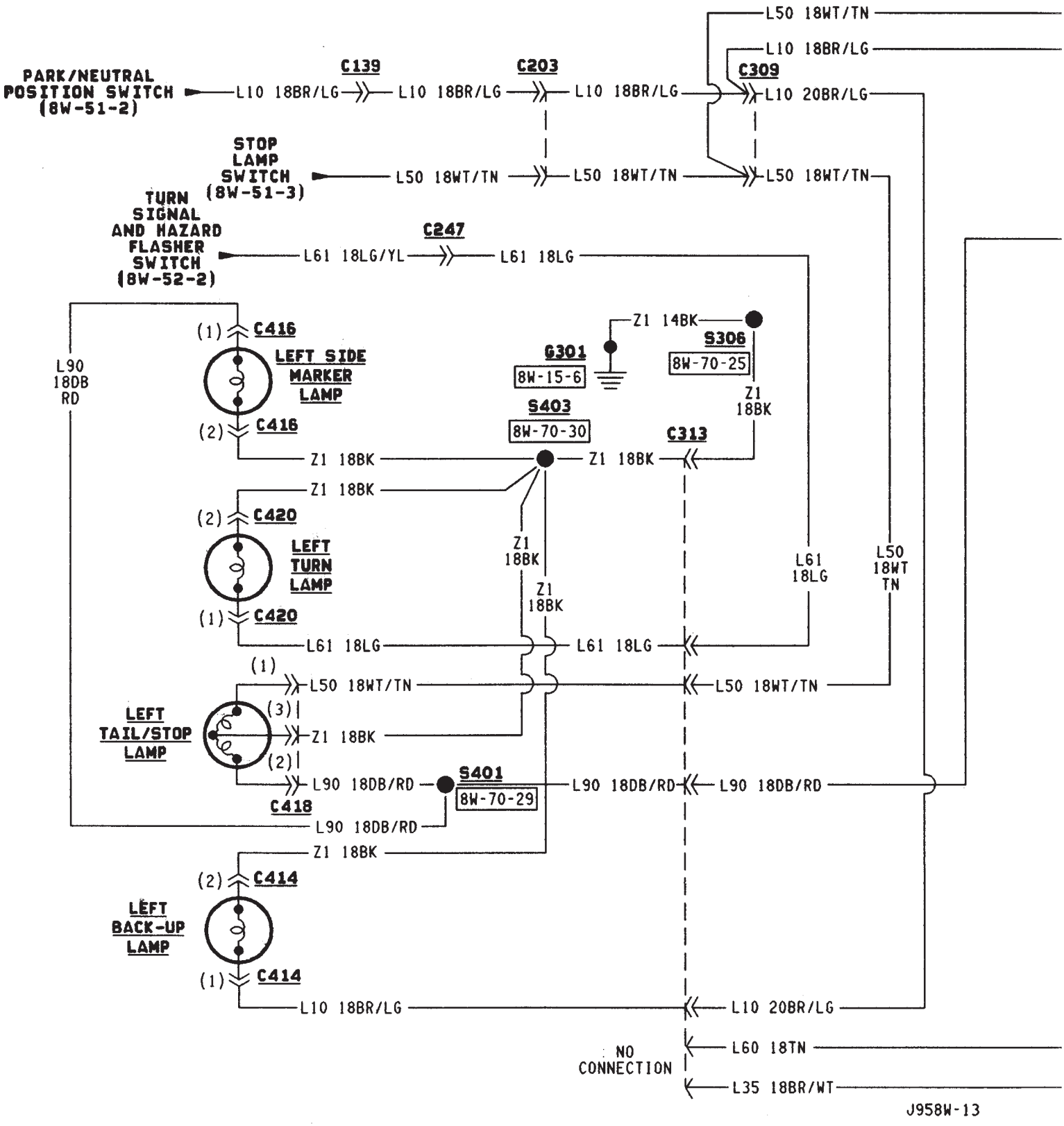
DIAGRAM INDEX

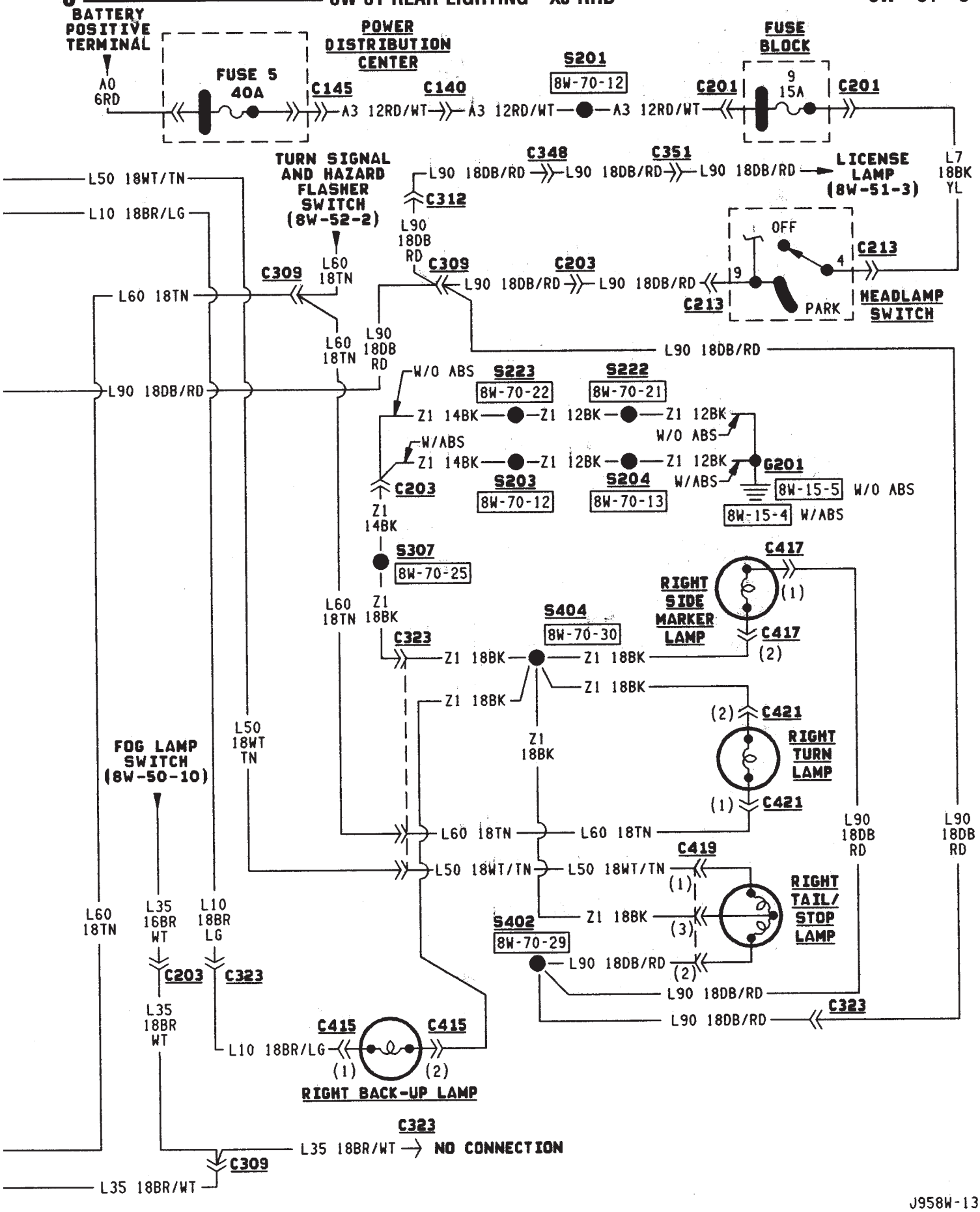

BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
C145
FUSE 6 60A
FUSE 5 40A
FUSE 11 15A
F12 18DB WT
C145
C140
S201
8W-70-12
A1 10RD
A3 12RD/WT
A3 12RD/WT
C139
A21 12DB
S121
8W-70-9
A1 12RD
A21 12DB
S214
8W-70-17
C140
F12 18DB WT
A3 12RD WT
A1 12RD
A21 12YL
S205
8W-70-13
S115
8W-70-7
C201
(4) C230
F12 18DB WT
FUSE BLOCK
9 15A
ACC
OFF
RUN
START
C230
A21 12YL
(8) C133
N
C201
L7 18BK YL
R
D
1-2
(2)
IGNITION SWITCH
(4) C133
PARK/NEUTRAL POSITION SWITCH
(ON TRANSMISSION)
(4) C213
PARK
OFF
C213
(9)
L10 18BR LG
L90 18DB RD
C203
L90 18DB/RD
REAR LIGHTING (8W-51-5)
C139
L10 18BR/LG
L10 20DB/LG
REAR LIGHTING (8W-51-4)

J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 4 20A
C145
L9 18BK/WT
C139
L9 16BK WT
L9 16BK WT
TURN SIGNAL RELAY (8W-52-2)
ABS CONTROL MODULE
STOP LAMP SWITCH OUTPUT 32
C126
L50 18WT TN
C139
L50 18WT TN
STOP LAMP SWITCH (TOP OF BRAKE PEDAL)
C218
C218
L50 18WT/TN
C203
L50 18WT TN
C313
C309
LEFT TAIL/ STOP LAMP (8W-51-4)
L50 18WT/TN
L50 18WT/TN
S313
8W-70-27
Z1 14BK
L50 18WT TN
C312
L50 18WT TN
C348
L50 18WT TN
C323
L50 18WT TN
RIGHT TAIL/STOP LAMP (8W-51-5)
Z1 14BK
C315
Z1 12BK
S306
8W-70-25
Z1 14BK
G301
8W-15-6
Z1 20BK
C351
Z1 20BK
C350
L50 18WT TN
C312
L90 18DB RD
L90 20DB RD
C309
C348
L90 18DB RD
L90 20DB RD
C203
C351
L90 18DB RD
L90 20DB RD
Z1 20BK
Z1 20BK
(2)
(1)
C412
CENTER HIGH MOUNTED STOP LAMP#1
Z1 20BK
L50 18WT TN
(1)
(2)
C426
(2)
(1)
C413
HEADLAMP SWITCH (8W-51-5)
LICENSE LAMP
CENTER HIGH MOUNTED STOP LAMP#2

J958W-13


L50 18WT/TN
L10 18BR/LG
PARK/NEUTRAL POSITION SWITCH (8W-51-2)
C139
C203
C309
L10 18BR/LG
L10 18BR/LG
L10 18BR/LG
L10 20BR/LG
STOP LAMP SWITCH (8W-51-3)
L50 18WT/TN
L50 18WT/TN
L50 18WT/TN
TURN SIGNAL AND HAZARD FLASHER SWITCH (8W-52-2)
C247
L61 18LG/YL
L61 18LG
Z1 14BK
S306
8W-70-25
G301
8W-15-6
Z1 18BK
S403
8W-70-30
C313
C416
LEFT SIDE MARKER LAMP
L90 18DB RD
Z1 18BK
Z1 18BK
Z1 18BK
C420
LEFT TURN LAMP
Z1 18BK
Z1 18BK
L61 18LG
L50 18WT TN
L61 18LG
L61 18LG
L50 18WT/TN
L50 18WT/TN
LEFT TAIL/STOP LAMP
Z1 18BK
L90 18DB/RD
S401
8W-70-29
L90 18DB/RD
L90 18DB/RD
L90 18DB/RD
C418
L90 18DB/RD
Z1 18BK
C414
LEFT BACK-UP LAMP
C414
L10 18BR/LG
L10 20BR/LG
NO CONNECTION
L60 18TN
L35 18BR/WT
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 5 40A
POWER DISTRIBUTION CENTER
C145
C140
A3 12RD/WT
S201
8W-70-12
FUSE BLOCK
C201
9 15A
LICENSE LAMP (8W-51-3)
L7 18BK YL
C348
C351
L90 18DB/RD
TURN SIGNAL AND HAZARD FLASHER SWITCH (8W-52-2)
C312
L50 18WT/TN
L10 18BR/LG
L60 18TN
C309
C203
C213
OFF
PARK
HEADLAMP SWITCH
L90 18DB/RD
W/O ABS
W/ABS
S223
8W-70-22
S222
8W-70-21
S203
8W-70-12
S204
8W-70-13
G201
8W-15-5
8W-15-4
Z1 14BK
Z1 12BK
Z1 18BK
S307
8W-70-25
C417
RIGHT SIDE MARKER LAMP
S404
8W-70-30
C323
C421
RIGHT TURN LAMP
FOG LAMP SWITCH (8W-50-10)
L50 18WT TN
L35 16BR WT
L10 18BR LG
C419
RIGHT TAIL/ STOP LAMP
S402
8W-70-29
C415
RIGHT BACK-UP LAMP
L35 18BR/WT
NO CONNECTION

J958W-13

TURN SIGNALS

TURN SIGNAL RELAY

In the RUN position, the ignition switch connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A21. Circuit A21 connects to the turn signal relay.

Circuit L9 from fuse 4 in the PDC supplies battery voltage to the relay. Circuit Z1 provides ground for the relay.

Circuit L5 from the relay connects to the multi-function switch to supply power to the turn signals. The multi-function switch supplies voltage to the turn signals and side marker lamps on circuits L60 and L61.

Circuit L12 from the relay connects to the multi-function switch and the hazard flasher relay.

TURN SIGNALS

When the operator selects the right turn signal, the multi-function switch connects power from circuit L5 to circuit L60. Circuit L60 feeds the right front and right rear turn signal lamp. Circuit L60 also splices to power the right turn signal indicator lamp on the instrument cluster.

When the operator selects the right turn signal, the multi-function switch connects power from circuit L5 to circuit L61. Circuit L61 feeds the left front and left rear turn signal lamp. Circuit L61 also splices to power the left turn signal indicator lamp on the instrument cluster.

Circuit Z1 provides ground for the turn signal lamps.

HELPFUL INFORMATION

- The turn signal lamps are the same lamps used for the hazard flasher.
- Check fuse 6 in the PDC.

HAZARD FLASHERS

When the operator selects the hazard flashers, the multi-function switch connects circuit L12 from the hazard flasher relay to circuits L60 and L61.

Circuit L60 feeds the right front and right rear turn signal lamp. Circuit L60 also splices to power the right turn signal indicator lamp on the instrument cluster.

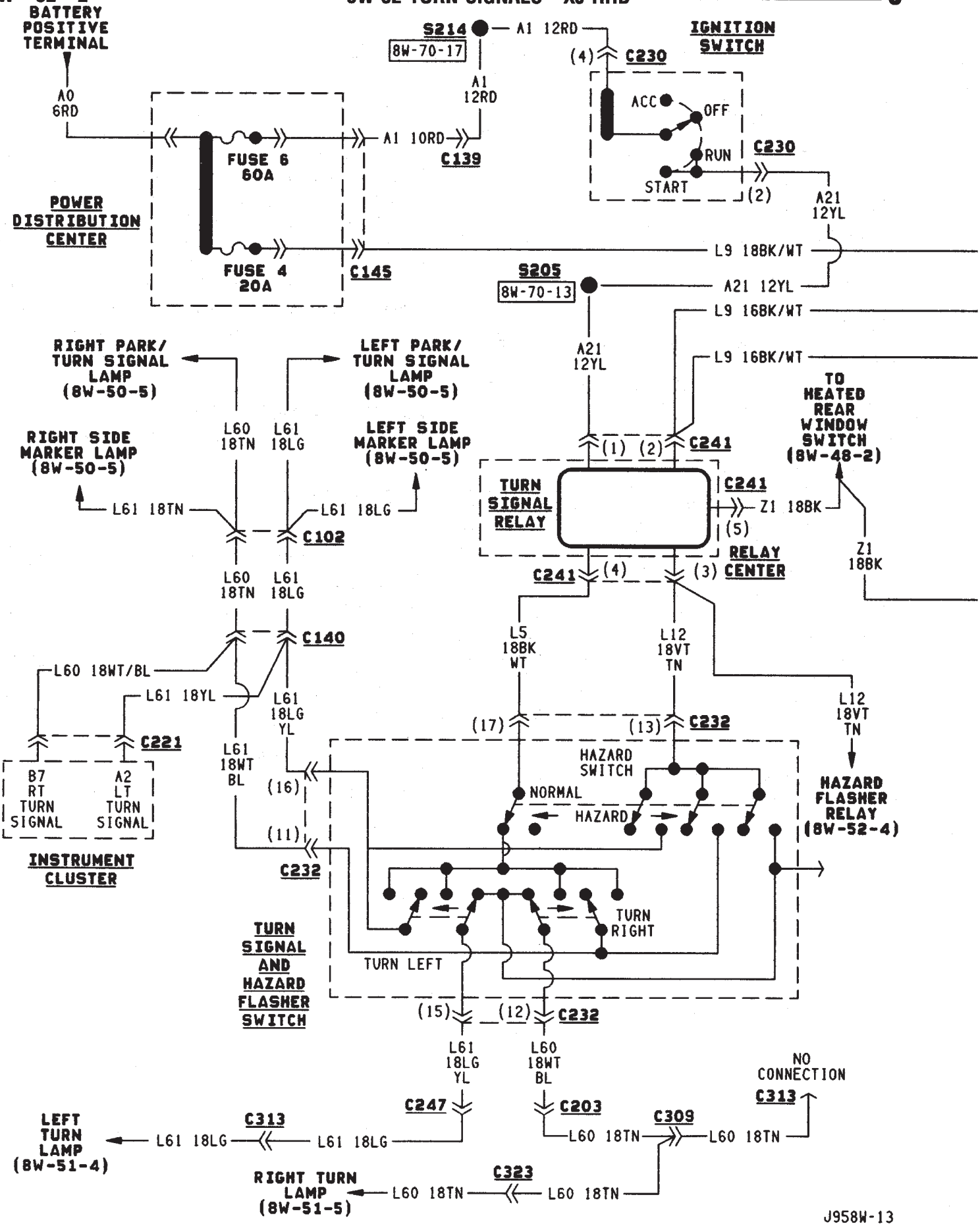
Circuit L61 feeds the left front and left rear turn signal lamp. Circuit L61 also splices to power the left turn signal indicator lamp on the instrument cluster.

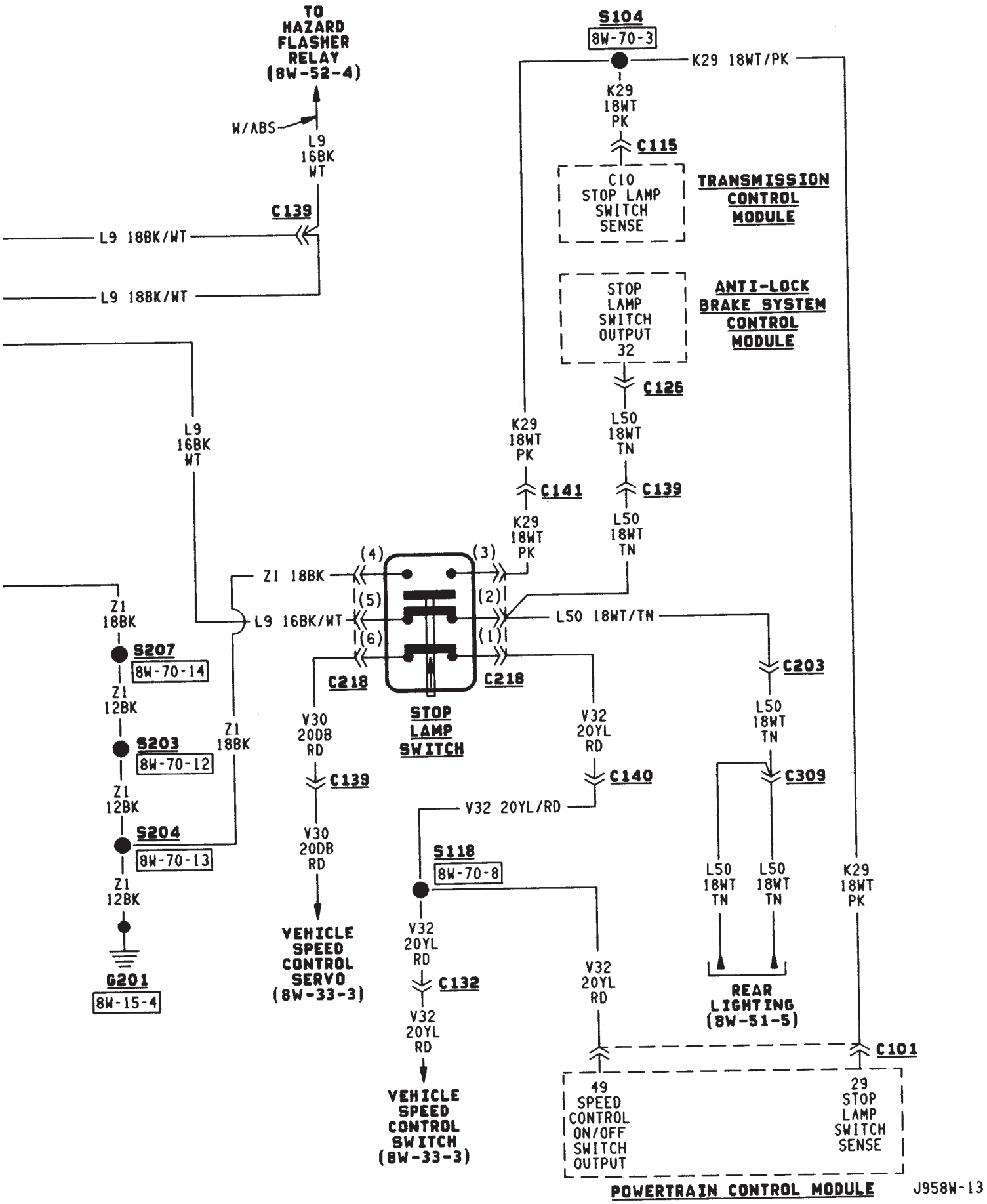
Circuit Z1 provides ground for the hazard flasher lamps.

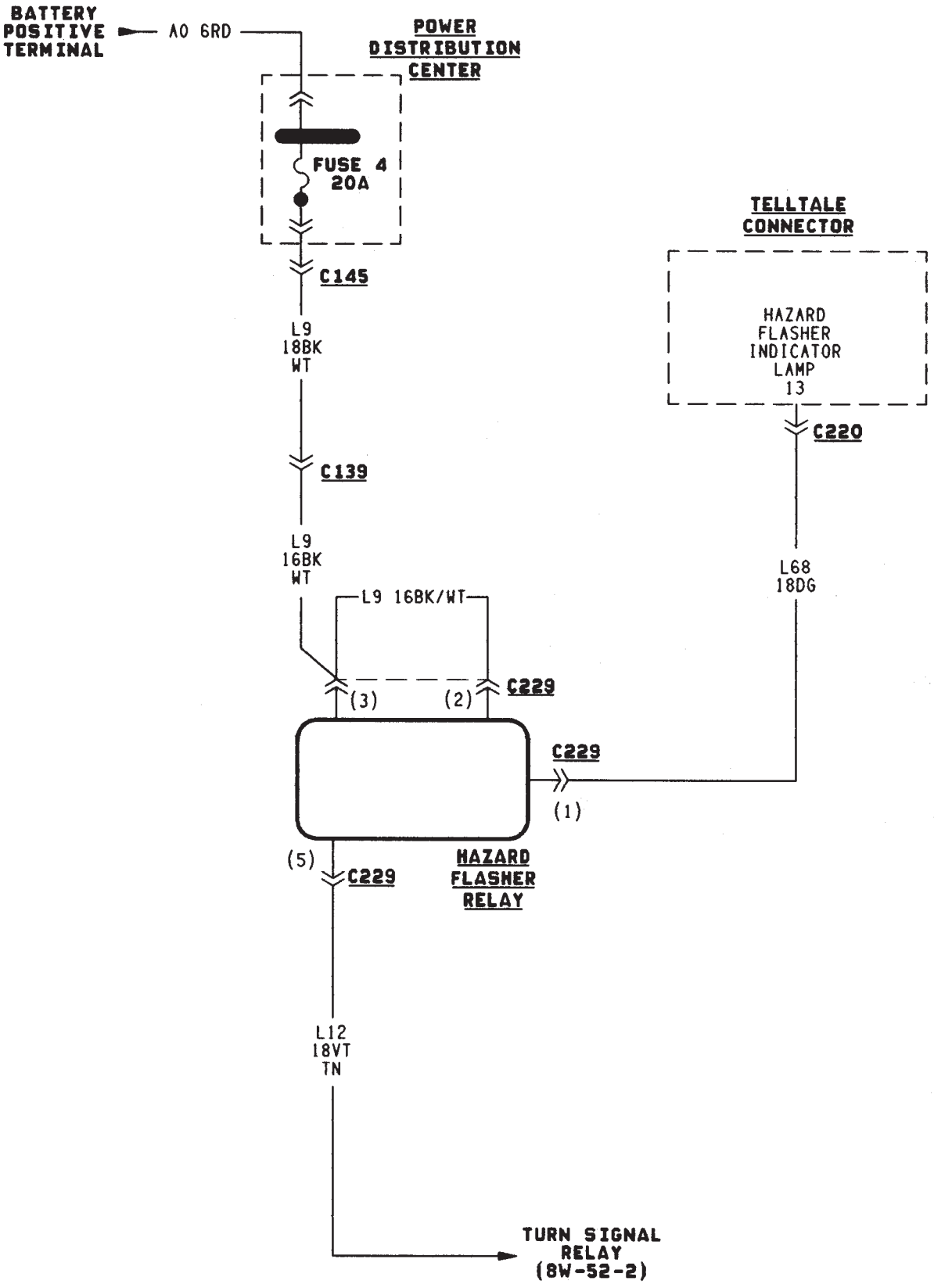
HELPFUL INFORMATION

- The hazard flasher lamps are the same lamps used for the turn signals.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
FUSE 4 20A
C145
A1 10RD
C139
S214
8W-70-17
A1 12RD
A1 12RD
IGNITION SWITCH
(4) C230
ACC
OFF
RUN
START
C230
(2)
A21 12YL
L9 18BK/WT
S205
8W-70-13
A21 12YL
L9 16BK/WT
A21 12YL
L9 16BK/WT
TO HEATED REAR WINDOW SWITCH (8W-48-2)
RIGHT PARK/ TURN SIGNAL LAMP (8W-50-5)
LEFT PARK/ TURN SIGNAL LAMP (8W-50-5)
RIGHT SIDE MARKER LAMP (8W-50-5)
LEFT SIDE MARKER LAMP (8W-50-5)
L60 18TN
L61 18LG
L61 18TN
L61 18LG
C102
(1) (2) C241
TURN SIGNAL RELAY
C241
Z1 18BK
(5)
RELAY CENTER
Z1 18BK
C241 (4) (3)
L60 18TN
L61 18LG
C140
L5 18BK WT
L12 18VT TN
L60 18WT/BL
L61 18YL
L61 18LG YL
L12 18VT TN
(17) (13) C232
C221
B7 RT TURN SIGNAL
A2 LT TURN SIGNAL
INSTRUMENT CLUSTER
L61 18WT BL
(16)
(11)
C232
HAZARD SWITCH
NORMAL
HAZARD
HAZARD FLASHER RELAY (8W-52-4)
TURN SIGNAL AND HAZARD FLASHER SWITCH
TURN RIGHT
TURN LEFT
(15) (12) C232
L61 18LG YL
L60 18WT BL
NO CONNECTION
C313
C247
C203
C309
LEFT TURN LAMP (8W-51-4)
C313
L61 18LG
L61 18LG
L60 18TN
L60 18TN
C323
RIGHT TURN LAMP (8W-51-5)
L60 18TN
L60 18TN
J958W-13


TO HAZARD FLASHER RELAY (8W-52-4)
W/ABS
L9 16BK WT
C139
L9 18BK/WT
L9 18BK/WT
S104
8W-70-3
K29 18WT/PK
K29 18WT PK
C115
C10 STOP LAMP SWITCH SENSE
TRANSMISSION CONTROL MODULE
STOP LAMP SWITCH OUTPUT 32
ANTI-LOCK BRAKE SYSTEM CONTROL MODULE
C126
L50 18WT TN
K29 18WT PK
C141
C139
K29 18WT PK
L50 18WT TN
L9 16BK WT
Z1 18BK
L9 16BK/WT
L50 18WT/TN
(4)
(3)
(5)
(2)
(6)
(1)
C218
C218
STOP LAMP SWITCH
Z1 18BK
S207
8W-70-14
Z1 12BK
S203
8W-70-12
Z1 12BK
S204
8W-70-13
Z1 12BK
Z1 18BK
G201
8W-15-4
V30 20DB RD
C139
V30 20DB RD
VEHICLE SPEED CONTROL SERVO (8W-33-3)
V32 20YL RD
C140
V32 20YL/RD
S118
8W-70-8
V32 20YL RD
C132
V32 20YL RD
VEHICLE SPEED CONTROL SWITCH (8W-33-3)
C203
L50 18WT TN
C309
L50 18WT TN
L50 18WT TN
REAR LIGHTING (8W-51-5)
K29 18WT PK
V32 20YL RD
C101
49 SPEED CONTROL ON/OFF SWITCH OUTPUT
29 STOP LAMP SWITCH SENSE
POWERTRAIN CONTROL MODULE
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 4 20A
C145
L9 18BK WT
C139
L9 16BK WT
L9 16BK/WT
(3)
(2)
C229
C229
(1)
(5)
C229
HAZARD FLASHER RELAY
L12 18VT TN
TURN SIGNAL RELAY (8W-52-2)
TELLTALE CONNECTOR
HAZARD FLASHER INDICATOR LAMP 13
C220
L68 18DG

J958W-13

WIPERS

INDEX

STANDARD WIPERS

The standard wiper system operates at either LOW or HIGH speeds. In the ACCESSORY or RUN position, the ignition switch connects circuit A1 from fuse 6 in the PDC with circuit A48. Circuit A48 supplies voltage to circuit F86 through fuse 3 in the fuse block.

Circuit F86 is double crimped at the wiper switch. The F86 branch from the wiper switch supplies power to the park switch in the wiper motor. Circuit Z1 from the wiper motor provides ground for the wiper motor and switch.

When the operator moves the wiper switch to the LOW position, battery voltage passes through the switch to circuit V3. Circuit V3 feeds the wiper motor low speed brushes. If the operator selects wiper HIGH speed operation, the wiper switch passes current to circuit V4. Circuit V4 feeds the wiper motor high speed brushes.

As the windshield wiper motor turns, the park switch, internal to the motor, moves from its DOWN position to the UP position. When the wiper switch is turned OFF, the V55 circuit prevents the wipers from stopping in any position but park.

The windshield washer uses a pump motor located inside the windshield washer fluid reservoir. When the washer switch is pressed, power is supplied through the wiper switch to the pump motor on circuit V10. Circuit Z1 provide ground for the pump motor.

INTERMITTENT WIPERS

A circuit breaker powers the standard wiper system. The intermittent wiper system operates at either LOW or HIGH or DELAY speeds.

In the ACCESSORY or RUN position, the ignition switch connects circuit A1 from fuse 6 in the PDC with circuit A48. Circuit A48 supplies voltage to circuit F86 through the circuit breaker in cavity 3 of the fuse block.

Circuit F86 is double crimped at the circuit breaker and supplies power to the wiper switch and the park switch in the wiper motor. Circuit Z1 from the wiper motor provides ground for the wiper motor and switch.

When the operator moves the wiper switch to the LOW position, battery voltage passes through the switch to circuit V3. Circuit V3 feeds the wiper motor low speed brushes. If the operator selects wiper HIGH speed operation, the wiper switch passes current to circuit V4. Circuit V4 feeds the wiper motor high speed brushes.

The DELAY portion of the wiper switch contains a variable resistor. The variable resistor connects to the intermittent wiper module through the wiper switch harness. The amount of delay selected by the operator determines the voltage drop through the resistor and the voltage level received by the intermittent wiper module.

After the intermittent wiper control module determines the amount of delay selected, it cycles the wipers by periodically energizing circuit V3. Circuit V3 powers the wiper motor low speed brushes.

As the windshield wiper motor turns, the park switch, internal to the motor, moves from its DOWN position to the UP position. When the wiper switch is turned OFF, the V55 circuit prevents the wipers from stopping in any position but park.

The windshield washer uses a pump motor located inside the windshield washer fluid reservoir. When the washer switch is pressed, power is supplied through the wiper switch to the pump motor on circuit V10. Circuit Z1 provides ground for the pump motor.

REAR WIPER SYSTEM

In the RUN position, the ignition switch connects circuit A1 from fuse 6 in the PDC with circuit A38. Circuit A38 connects to a fuse block bus bar that powers circuit V15 through the fuse in cavity 19. Circuit V15 supplies power to the rear wiper switch.

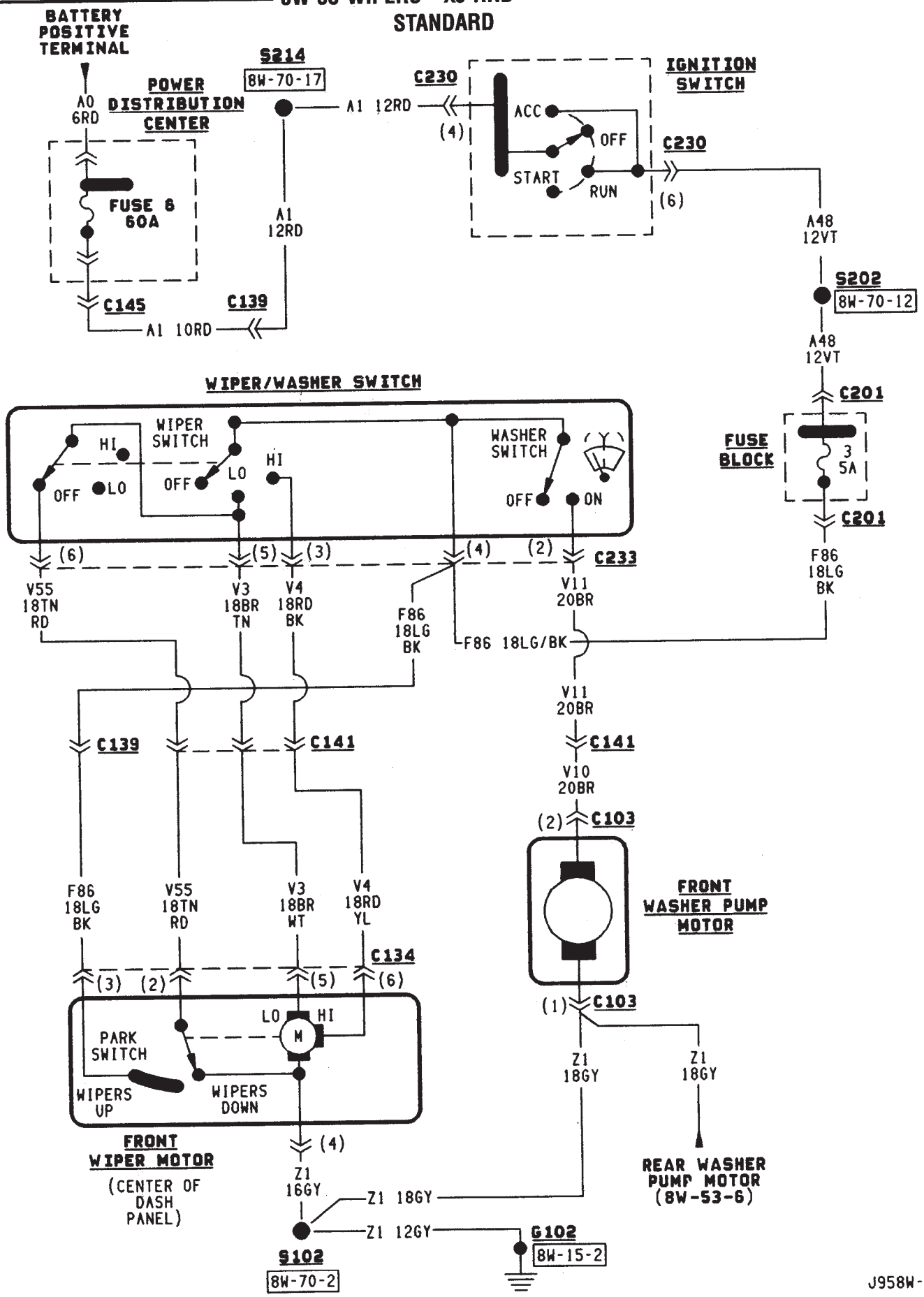
In the WIPE or WASH positions, the rear wiper switch supplies voltage to the wiper motor on circuit V13. Circuit Z1 provides ground for the wiper motor.

The rear windshield washer uses a pump motor located inside the windshield washer fluid reservoir. When the rear wiper switch is pressed, power is supplied through the wiper switch to the rear wiper and the pump motor on circuit V20. Circuit Z1 provides ground for the pump motor.

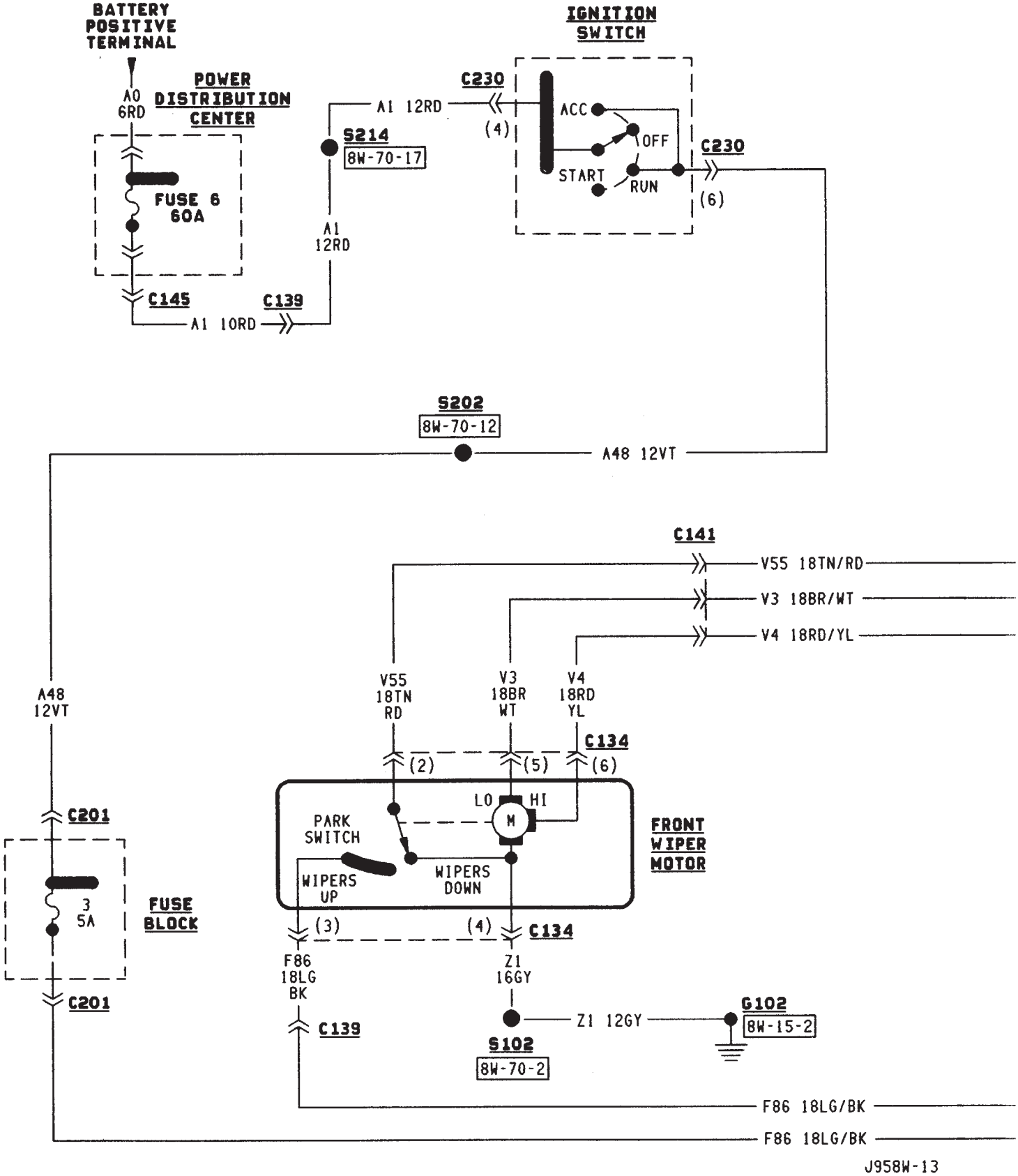
As the rear wiper motor turns, the park switch, internal to the motor, moves from the RUN position to the PARK position. When the wiper switch is turned OFF, the F20 circuit prevents the wipers from stopping in any position but park.

DIAGRAM INDEX

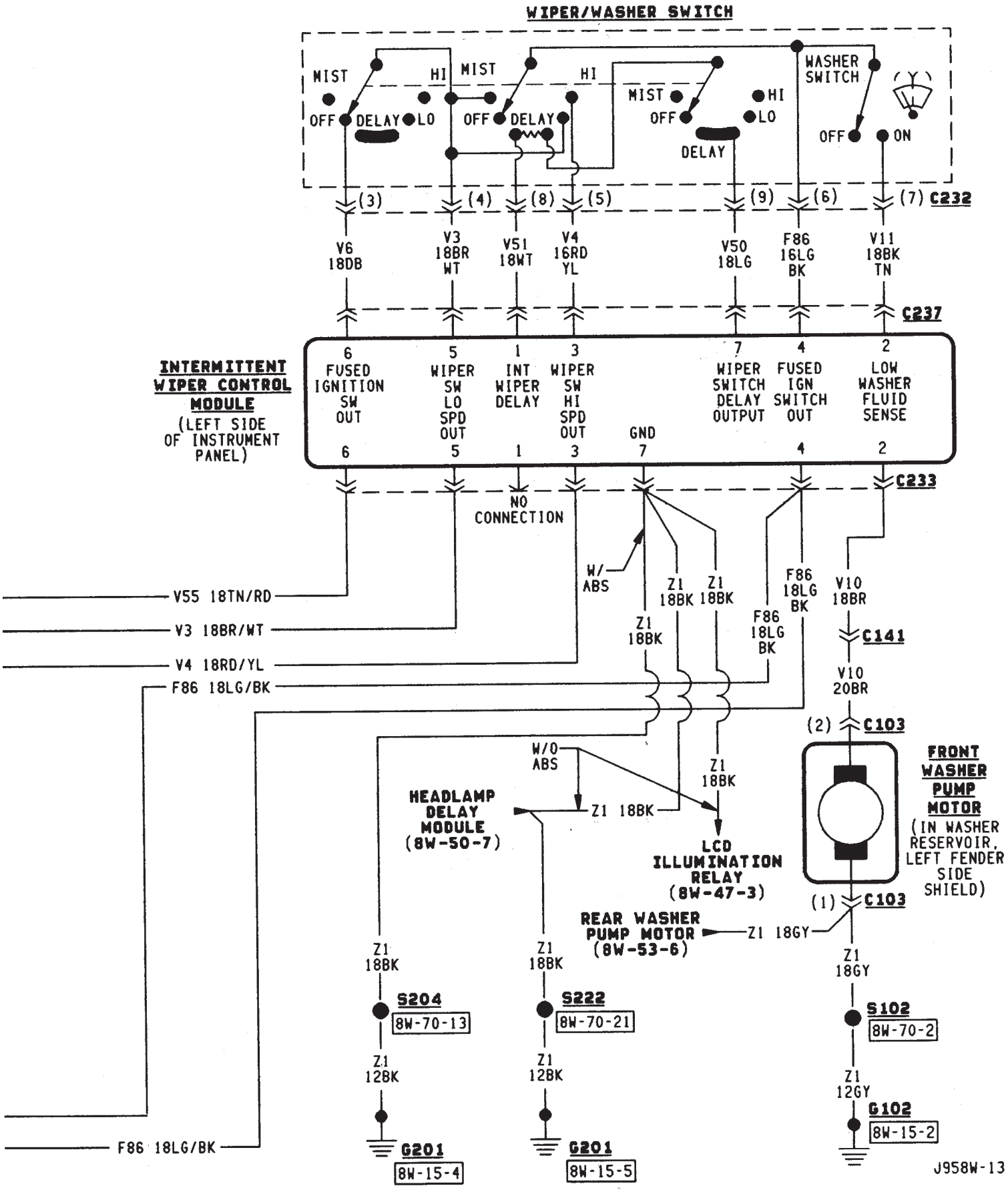
STANDARD



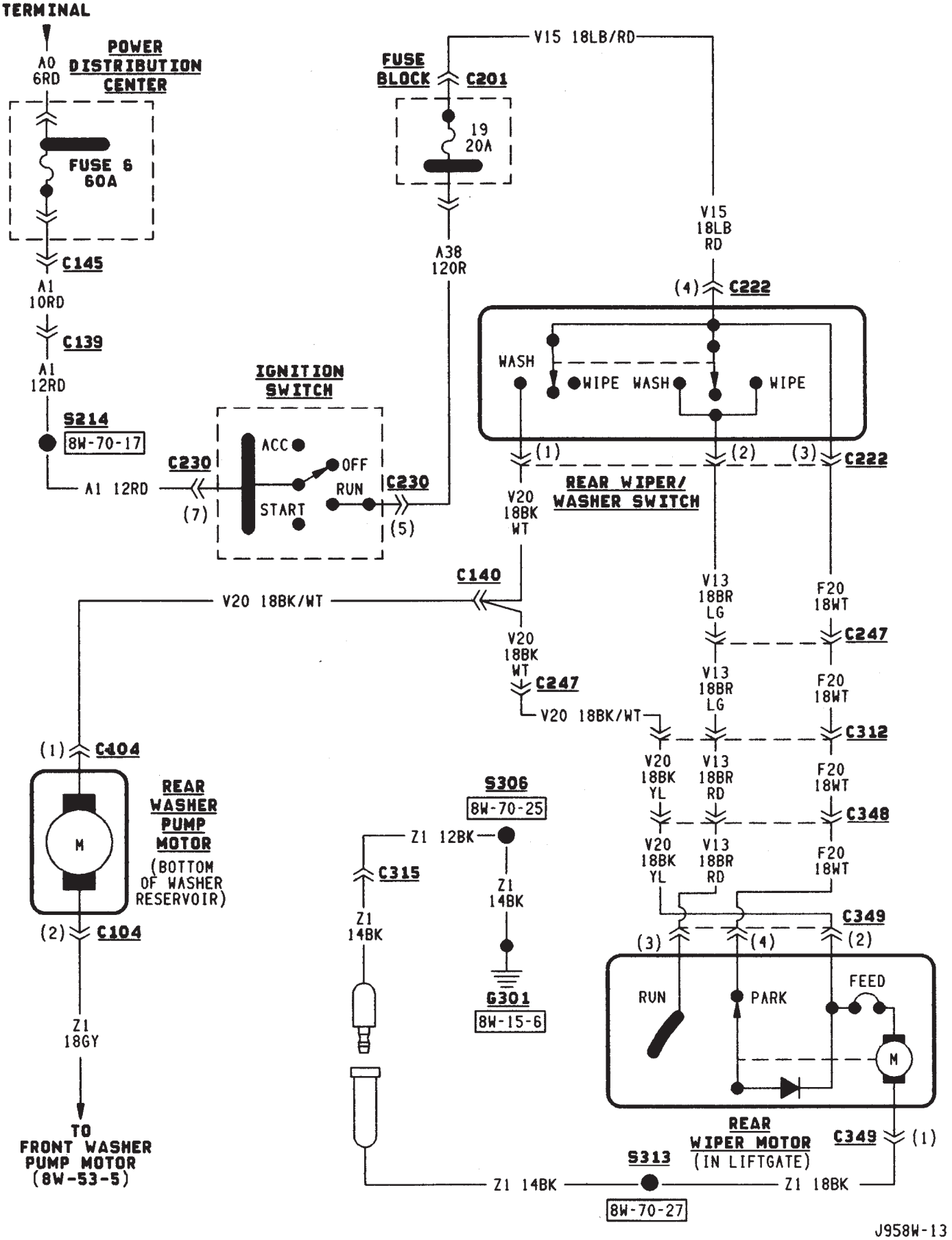
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 6 60A
C145
A1 10RD
C139
A1 12RD
S214
8W-70-17
A1 12RD
C230
(4)
IGNITION SWITCH
ACC
OFF
START
RUN
C230
(6)
S202
8W-70-12
A48 12VT
A48 12VT
C201
3 5A
FUSE BLOCK
C201
C141
V55 18TN/RD
V3 18BR/WT
V4 18RD/YL
V55 18TN RD
V3 18BR WT
V4 18RD YL
C134
(2)
(5)
(6)
LO
HI
M
PARK SWITCH
WIPERS UP
WIPERS DOWN
FRONT WIPER MOTOR
(3)
(4)
C134
F86 18LG BK
C139
Z1 16GY
S102
8W-70-2
Z1 12GY
G102
8W-15-2
F86 18LG/BK
F86 18LG/BK
J958W-13

INTERMITTENT



REAR



J958W-13

TRAILER TOW

TRAILER TOW

The factory installed trailer tow system in this vehicle uses three relays and a circuit breaker along with the trailer tow wiring connector located below the rear bumper.

Battery voltage for the trailer tow circuit breaker and relays is supplied on circuit A11. This circuit is HOT at all times and connects to the power accessory tap in the fuse block. An in line 10 amp circuit protected breaker protects circuit A11 and the trailer tow circuits. The trailer tow circuit breaker is located in the left rear quarter panel.

STOP LAMP RELAY

Power for the coil side of the stop lamp relay is supplied by circuit L50. This circuit connects to the stop lamps. Ground for the coil side is supplied on circuit Z1.

When the operator depresses the brake pedal, voltage flows through the coil of the relay to ground causing the contacts in the relay to close connecting circuits A11 and 95.

Circuit 95 connects to the left and right turn signal relays. Voltage flows through the closed contacts in the relays to the trailer tow connector.

RIGHT TURN RELAY

Power for the coil side of the right turn relay is supplied by circuit L60. This circuit connects to the right side turn signal lamps. Ground for the coil side of the relay is supplied on circuit Z1.

When the operator turns the right turn signal ON, power flows through the coil in the relay to ground causing the contacts in the relay to switch from there normally CLOSED position to connect circuits 94 and L60.

Circuit 94 is the feed for the contact side of the relay. Circuit L60 connects from the relay to the trailer tow connector.

Circuit 94 is fed power through the normally CLOSED side of the stop lamp relay and circuit A11. The A11 circuit is HOT at all times and protected by a 10 amp circuit breaker located in the left rear quarter panel.

LEFT TURN RELAY

Power for the coil side of the left turn relay is supplied by circuit L61. This circuit connects to the left side turn signal lamps. Ground for the coil side of the relay is supplied on circuit Z1.

When the operator turns the left turn signal ON, power flows through the coil in the relay to ground causing the contacts in the relay to switch from there normally CLOSED position to connect circuits 94 and L61.

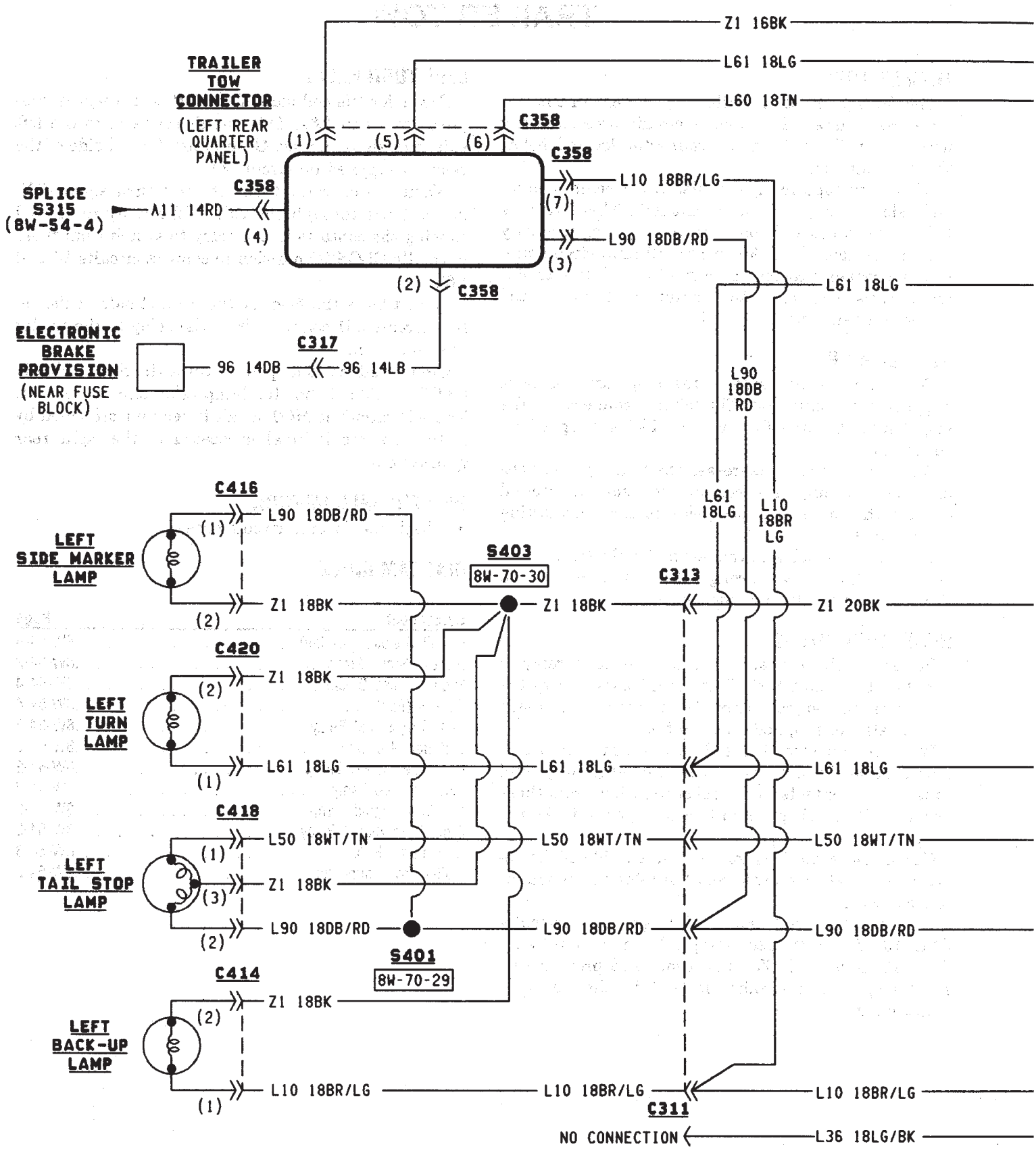
Circuit 94 is the feed for the contact side of the relay. Circuit L61 connects from the relay to the trailer tow connector.

Circuit 94 is fed power through the normally CLOSED side of the stop lamp relay and circuit A11. The A11 circuit is HOT at all times and protected by a 10 amp circuit breaker located in the right rear quarter panel.

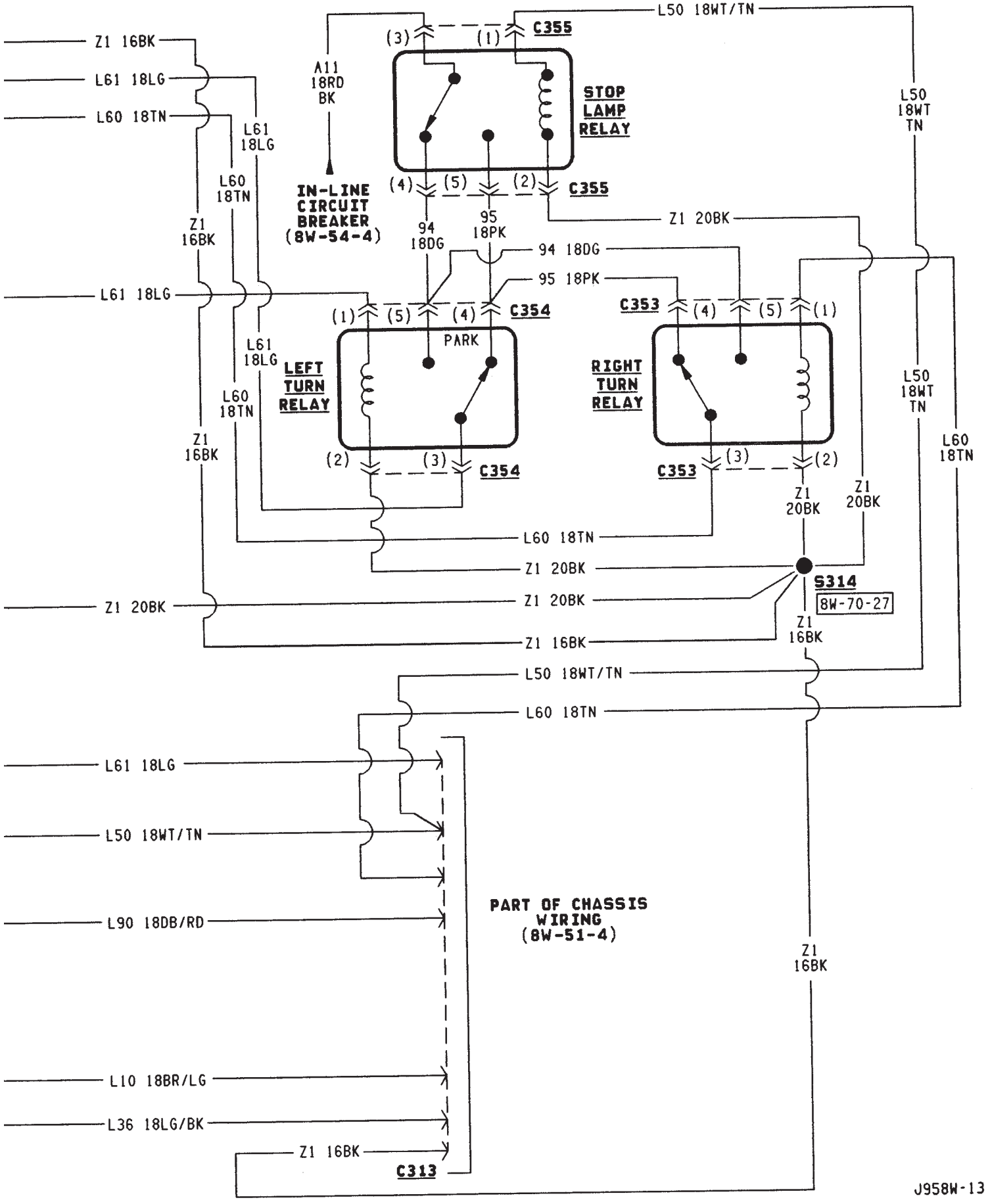
HELPFUL INFORMATION

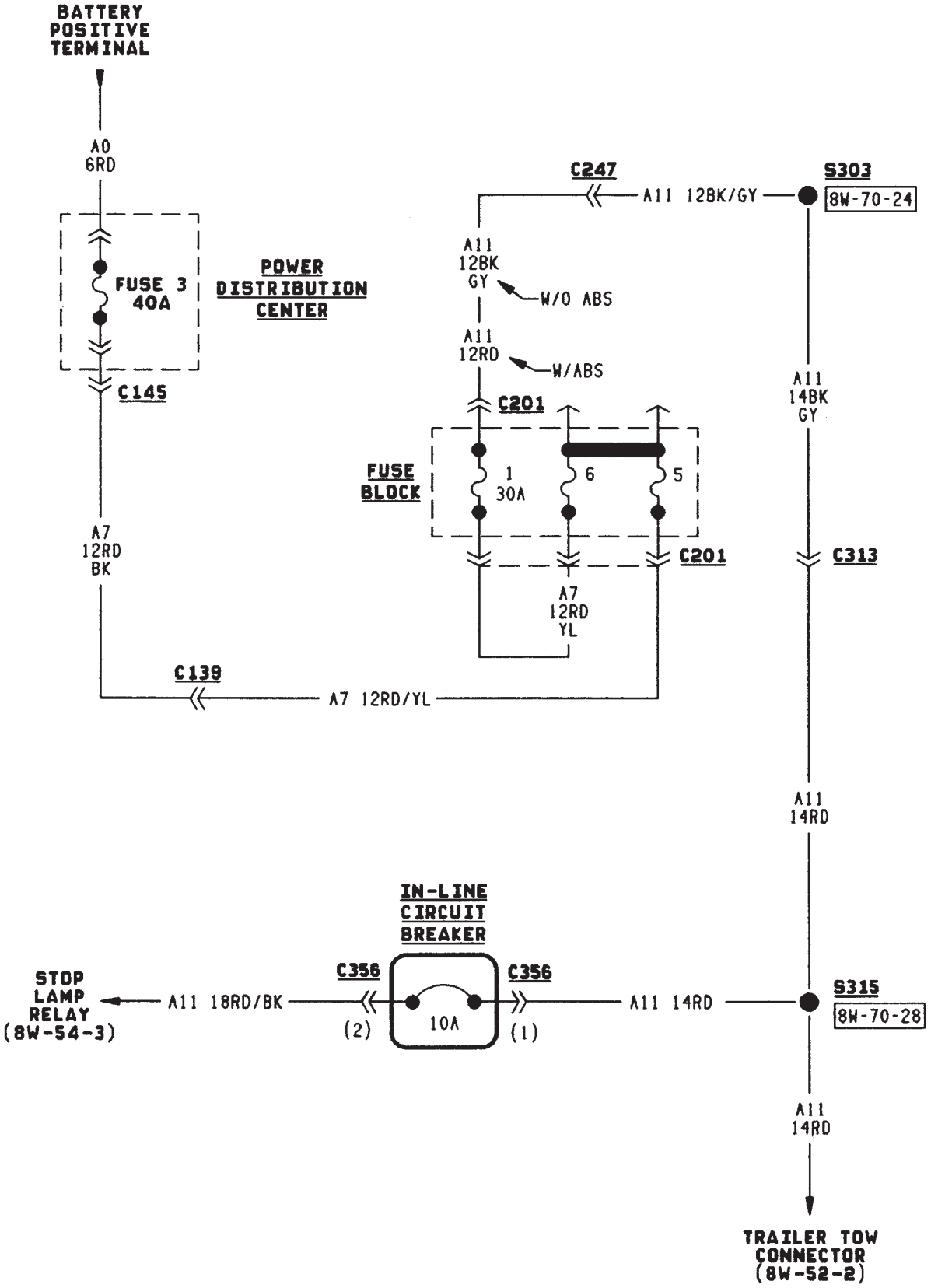
- Check the In-Line circuit breaker

DIAGRAM INDEX


Z1 16BK
L61 18LG
L60 18TN
TRAILER TOW CONNECTOR
(LEFT REAR QUARTER PANEL)
C358
(1)
(5)
(6)
C358
SPLICE S315 (8W-54-4)
A11 14RD
C358
(4)
(7)
L10 18BR/LG
L90 18DB/RD
(3)
(2)
C358
L61 18LG
ELECTRONIC BRAKE PROVISION
(NEAR FUSE BLOCK)
C317
96 14DB
96 14LB
L90 18DB RD
L61 18LG
L10 18BR LG
C416
L90 18DB/RD
(1)
LEFT SIDE MARKER LAMP
S403
8W-70-30
C313
Z1 18BK
Z1 18BK
Z1 20BK
(2)
C420
Z1 18BK
(2)
LEFT TURN LAMP
L61 18LG
L61 18LG
L61 18LG
(1)
C418
L50 18WT/TN
L50 18WT/TN
L50 18WT/TN
(1)
LEFT TAIL STOP LAMP
Z1 18BK
(3)
L90 18DB/RD
L90 18DB/RD
L90 18DB/RD
(2)
S401
8W-70-29
C414
Z1 18BK
(2)
LEFT BACK-UP LAMP
L10 18BR/LG
L10 18BR/LG
L10 18BR/LG
(1)
C311
NO CONNECTION
L36 18LG/BK

J958W-13


Z1 16BK
L61 18LG
L60 18TN
A11 18RD BK
IN-LINE CIRCUIT BREAKER (8W-54-4)
L50 18WT/TN
C355
STOP LAMP RELAY
L50 18WT TN
Z1 20BK
94 18DG
95 18PK
C354
LEFT TURN RELAY
PARK
C353
RIGHT TURN RELAY
S314
8W-70-27
L90 18DB/RD
L10 18BR/LG
L36 18LG/BK
C313
PART OF CHASSIS WIRING (8W-51-4)
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3 40A
POWER DISTRIBUTION CENTER
C145
A7 12RD BK
C139
A7 12RD/YL
C247
A11 12BK/GY
S303
8W-70-24
A11 12BK GY
W/O ABS
A11 12RD
W/ABS
C201
FUSE BLOCK
1 30A
6
5
C201
A7 12RD YL
A11 14BK GY
C313
A11 14RD
IN-LINE CIRCUIT BREAKER
C356
C356
10A
(2)
(1)
STOP LAMP RELAY (8W-54-3)
A11 18RD/BK
A11 14RD
S315
8W-70-28
A11 14RD
TRAILER TOW CONNECTOR (8W-52-2)

J958W-13

POWER WINDOWS

INDEX

POWER WINDOWS

When the ignition switch is in the ACCESSORY or RUN position, it connects circuit A1 from fuse 6 in the Power Distribution Center (PDC) to circuit A48. Circuit A48 powers circuit F81 through fuse 12 in the fuse block. Circuit F81 supplies voltage to the power window system.

Circuit F81 connects to the master window switch. Circuit Z1 provides ground for the power windows.

A LOCK-OUT feature is provided on the driver's door window switch. When this feature is engaged the other windows in the system will not operate.

RIGHT FRONT WINDOW OPERATION

When the operator selects window DOWN operation power is supplied on the F81 circuit through the switch to circuit Q12. Circuit Q12 goes from the switch to the power window motor. Ground for the motor is supplied on the Q22 circuit back to the switch. A bus bar, internal to the switch, connects the Q22 circuit to the Z1 circuit.

For window UP operation the circuits are reversed. Circuit Q22 is the feed, and circuit Q12 is the ground.

LEFT FRONT WINDOW OPERATION

When the DRIVER selects window DOWN operation, power is supplied on the F81 circuit through the switch to circuit Q26.

Circuit Q26 goes from the drivers door switch to the left front door switch. Power is passed through this switch to circuit Q21. The Q21 circuit then goes to the right front window motor.

Ground for the window motor is supplied on the Q11 circuit back to the right door switch. Circuity internal to the switch then passes the ground to circuit Q16. Circuit Q16 goes from the right front door switch to the master switch. A bus bar, internal to the switch, connects the Q16 circuit to the Z1 circuit.

For window UP operation the circuits are reversed. Circuits Q16 and Q11 are the feeds, and circuits Q21 and Q26 are the grounds.

If the switch is being operated from the PASSENGER'S front door, and the operator is requesting window DOWN operation, power is supplied on the Q1 circuit from the driver's master switch circuit through the switch to the Q21 circuit.

Ground for the motor is supplied on the Q11 circuit through the switch and back to the master switch on circuit Q16. A bus bar, internal to the switch, connects the Q16 circuit to the Z1 circuit.

For window UP operation, the circuits are reversed. Circuit Q11 is the power and circuit Q21 is the ground.

LEFT REAR WINDOW

When the DRIVER selects window DOWN operation power is supplied on the F81 circuit through the switch to circuit Q17.

Circuit Q17 goes from the drivers door switch to the left rear door power window switch. Power is passed through the switch to circuit Q22. The Q22 circuit then goes to the left rear window motor.

Ground for the window motor is supplied on the Q12 circuit back to the left rear door switch. Circuity internal to the switch then passes the ground to circuit Q27. Circuit Q27 goes from the left rear door switch to the master switch. A bus bar, internal to the switch, connects the Q27 circuit to the Z1 circuit.

For window UP operation the circuits are reversed. Circuits Q27 and Q12 are the feeds, and circuits Q22 and Q17 are the grounds.

If the switch is being operated from the LEFT REAR door, and the operator is requesting window DOWN operation, power is supplied on the Q1 circuit from the driver's master switch circuit through the switch to the Q22 circuit.

Ground for the motor is supplied on the Q12 circuit through the switch and to circuit Q27. Circuit Q27 connects to the master window switch. A bus bar, internal to the switch, connects the Q27 circuit to the Z1 circuit.

For window UP operation, the circuits are reversed. Circuit Q12 is the power and circuits Q22, and Q17 are the grounds.

RIGHT REAR WINDOW

When the DRIVER selects window DOWN operation, power is supplied on the F81 circuit through the switch to circuit Q18.

Circuit Q18 goes from the drivers door switch to the right rear door window switch connector. Power is passed through this switch to circuit Q22. The Q22 circuit then goes to the right rear window motor.

Ground for the window motor is supplied on the Q12 circuit back to the right rear door switch. Circuity internal to the switch then passes the ground to circuit Q28. Circuit Q28 goes from the right rear door switch to the master switch. A bus bar, internal to the switch, connects the Q28 circuit to the Z1 circuit.

For window UP operation the circuits are reversed. Circuits Q28 and Q12 are the feeds, and circuits Q22, Q33 and Q18 are the grounds.

If the switch is being operated from the RIGHT REAR door, and the operator is requesting window DOWN operation, power is supplied on the Q1 circuit from the driver's master switch circuit through the switch to the Q22 circuit.

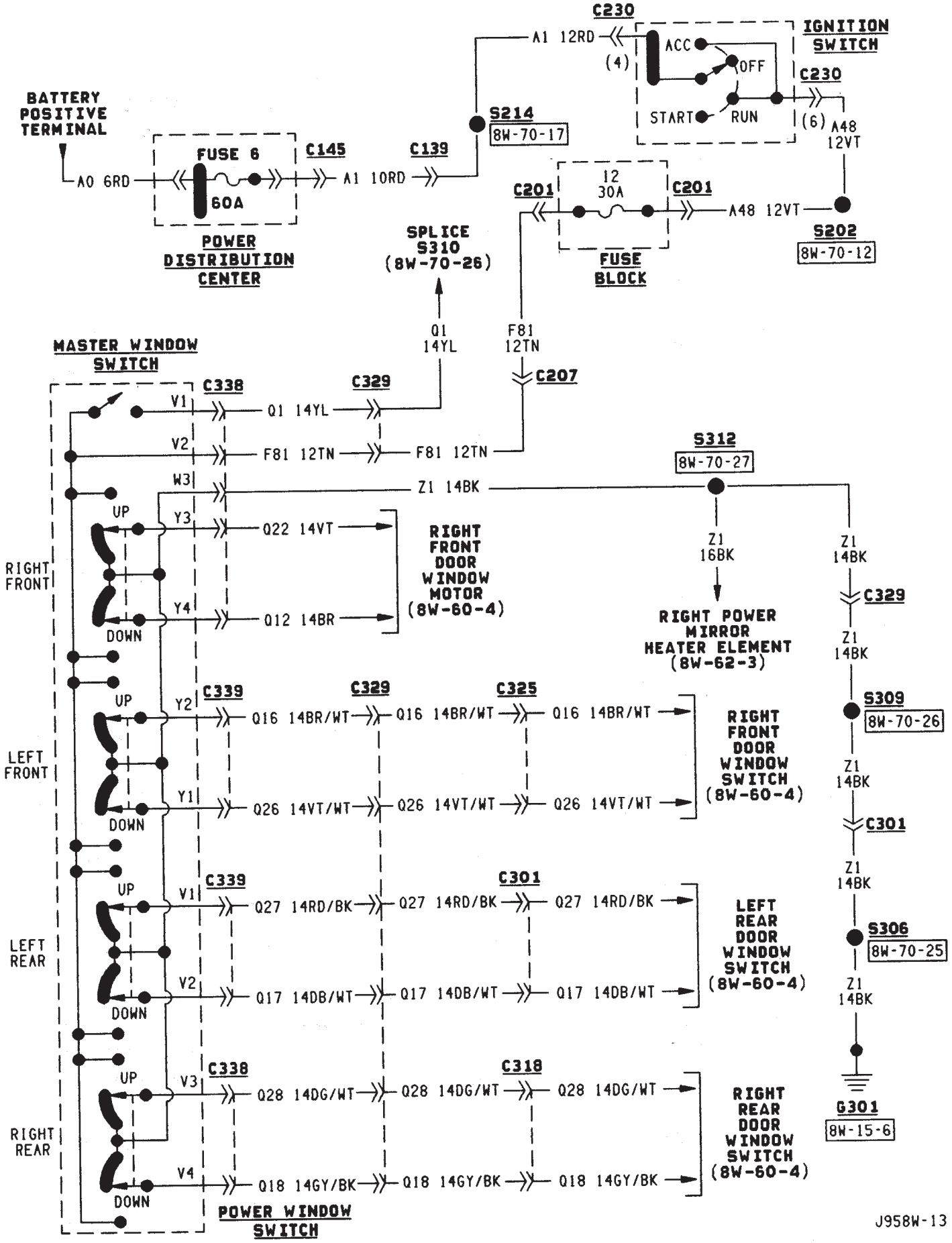
Ground for the motor is supplied on the Q12 circuit through the switch and back to the master switch on circuit Q28. A bus bar, internal to the switch, connects the Q28 circuit to the Z1 circuit.

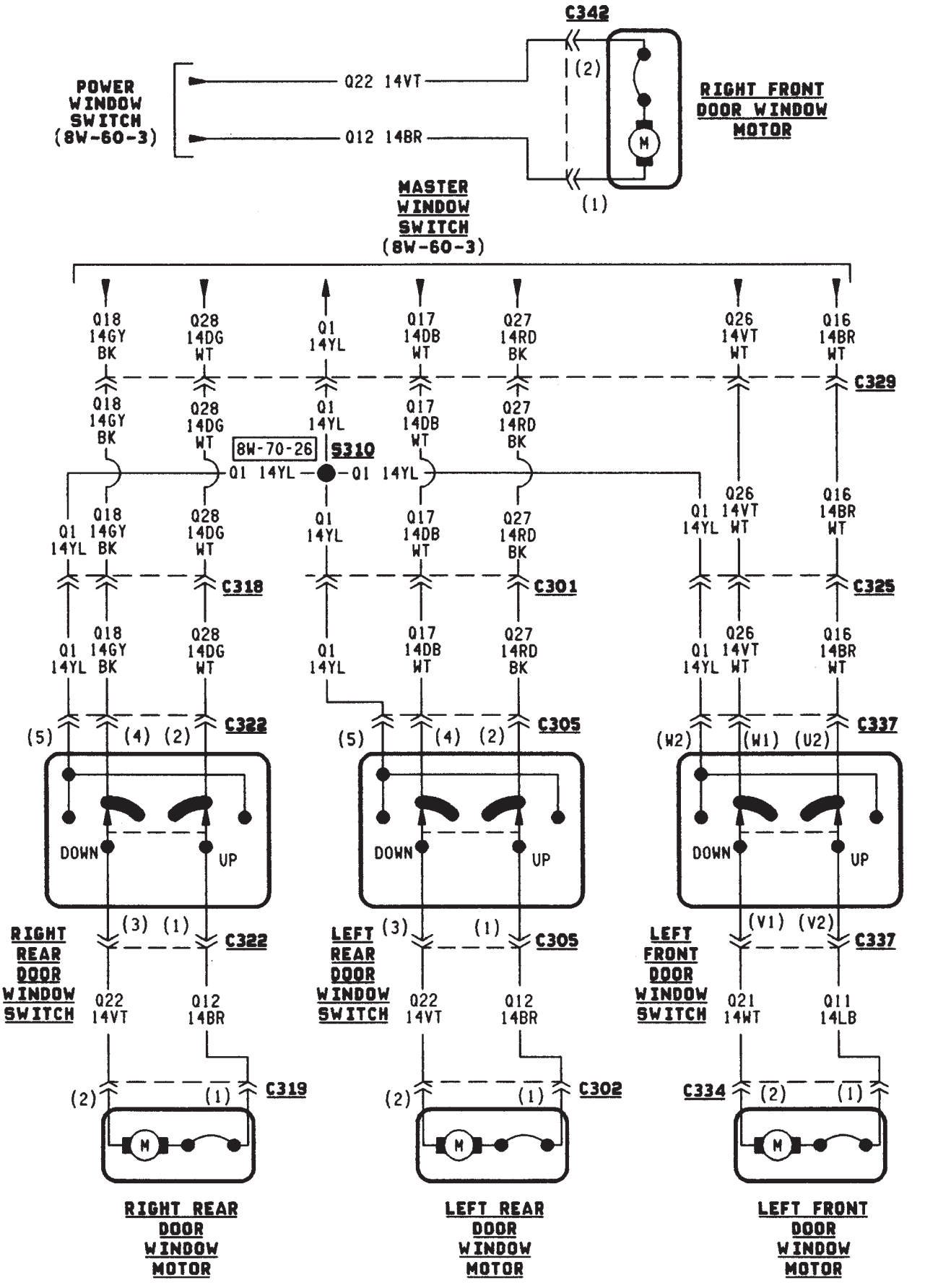
For window UP operation, the circuits are reversed. Circuit Q12 is the power and circuits Q22 and Q18 are the ground.

HELPFUL INFORMATION

Refer to the appropriate group of the Service Manual for test procedures.

DIAGRAM INDEX


C230
A1 12RD
(4)
ACC
OFF
START
RUN
IGNITION SWITCH
C230
(6)
A48 12VT
BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 6
60A
C145
C139
A1 10RD
S214
8W-70-17
POWER DISTRIBUTION CENTER
C201
12 30A
C201
A48 12VT
S202
8W-70-12
FUSE BLOCK
SPLICE S310 (8W-70-26)
Q1 14YL
F81 12TN
C207
MASTER WINDOW SWITCH
C338
C329
V1
Q1 14YL
V2
F81 12TN
F81 12TN
S312
8W-70-27
W3
Z1 14BK
UP
Y3
Q22 14VT
RIGHT FRONT
DOWN
Y4
Q12 14BR
RIGHT FRONT DOOR WINDOW MOTOR (8W-60-4)
Z1 16BK
RIGHT POWER MIRROR HEATER ELEMENT (8W-62-3)
Z1 14BK
C329
Z1 14BK
S309
8W-70-26
C339
C329
C325
UP
Y2
Q16 14BR/WT
Q16 14BR/WT
Q16 14BR/WT
LEFT FRONT
DOWN
Y1
Q26 14VT/WT
Q26 14VT/WT
Q26 14VT/WT
RIGHT FRONT DOOR WINDOW SWITCH (8W-60-4)
Z1 14BK
C301
Z1 14BK
C339
C301
UP
V1
Q27 14RD/BK
Q27 14RD/BK
Q27 14RD/BK
LEFT REAR
DOWN
V2
Q17 14DB/WT
Q17 14DB/WT
Q17 14DB/WT
LEFT REAR DOOR WINDOW SWITCH (8W-60-4)
S306
8W-70-25
Z1 14BK
C338
C318
UP
V3
Q28 14DG/WT
Q28 14DG/WT
Q28 14DG/WT
RIGHT REAR
DOWN
V4
Q18 14GY/BK
Q18 14GY/BK
Q18 14GY/BK
RIGHT REAR DOOR WINDOW SWITCH (8W-60-4)
G301
8W-15-6
POWER WINDOW SWITCH
J958W-13


C342
(2)
(1)
POWER WINDOW SWITCH (8W-60-3)
Q22 14VT
Q12 14BR
RIGHT FRONT DOOR WINDOW MOTOR
M
MASTER WINDOW SWITCH (8W-60-3)
Q18 14GY BK
Q28 14DG WT
Q1 14YL
Q17 14DB WT
Q27 14RD BK
Q26 14VT WT
Q16 14BR WT
C329
8W-70-26
S310
C318
C301
C325
C322
C305
C337
(5)
(4)
(2)
(W2)
(W1)
(U2)
DOWN
UP
RIGHT REAR DOOR WINDOW SWITCH
LEFT REAR DOOR WINDOW SWITCH
LEFT FRONT DOOR WINDOW SWITCH
(3)
(1)
(V1)
(V2)
Q21 14WT
Q11 14LB
C319
C302
C334
RIGHT REAR DOOR WINDOW MOTOR
LEFT REAR DOOR WINDOW MOTOR
LEFT FRONT DOOR WINDOW MOTOR

J958W-13

POWER DOOR LOCKS

POWER DOOR LOCKS

Two relays provide power for the power door lock motors. The Unlock relay provides power for the unlock circuits while the Lock relay powers the lock circuits. Either power door lock switch can operate the Unlock and Lock relays.

LOCK RELAY

Circuit A7 from fuse 3 in the Power Distribution Center (PDC) powers circuits P37 and P38 through fuse 6 in the fuse block. When either power door lock switch is put in the LOCK position, the switch connects circuit P38 to circuit P35. Circuit P35 supplies power to the coil side of the lock relay, causing the relay contacts to close. Circuit Z1 provides ground for the coil side of the lock relay.

When the lock relay contacts close, they connect battery voltage from circuit P37 to circuit P2. Circuit P2 then supplies battery voltage to the power door lock motors to LOCK the doors.

When the power doors LOCK, ground for the motors is on circuit P34 through the normally closed contacts in the door unlock relay to ground on circuit Z1.

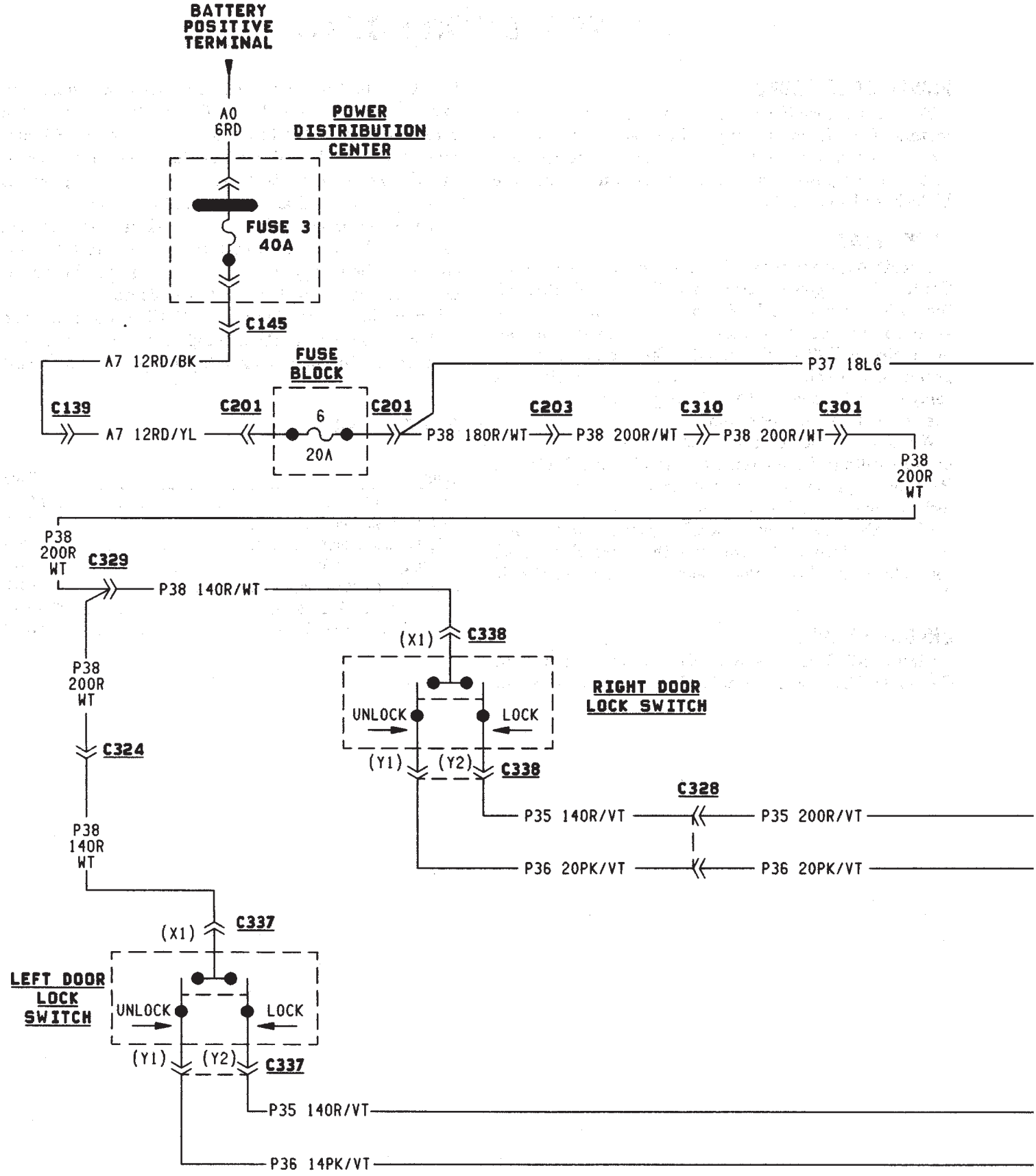
UNLOCK RELAY

Circuit A7 from fuse 3 in the Power Distribution Center (PDC) powers circuits P37 and P38 through fuse 6 in the fuse block. When either power door lock switch is put in the UNLOCK position, the switch connects circuit P38 to circuit P36. Circuit P36 supplies power to the coil side of the unlock relay, causing the relay contacts to close. Circuit Z1 provides ground for the coil side of the unlock relay.

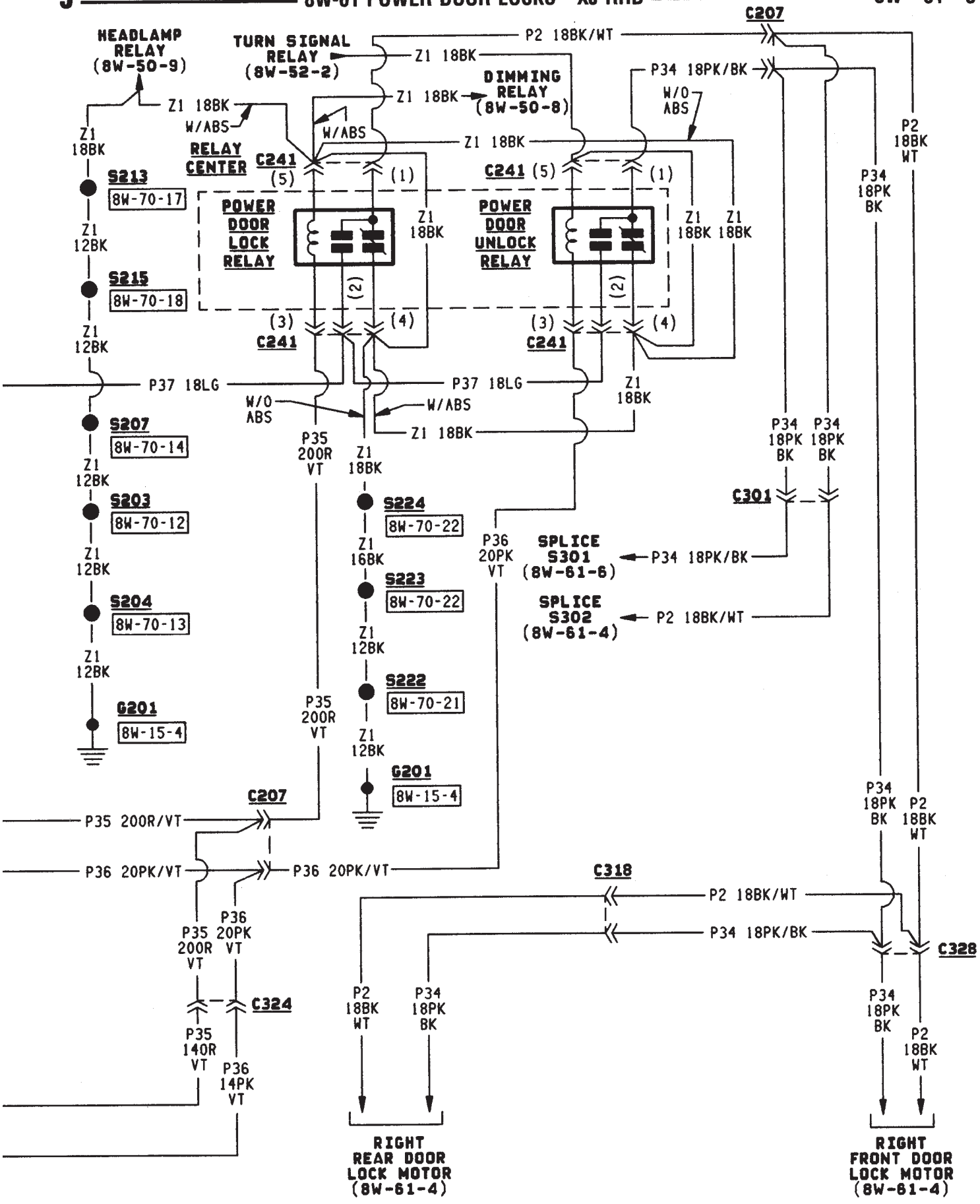
When the unlock relay contacts close, they connect battery voltage from circuit P37 to circuit P34. Circuit P34 then supplies battery voltage to the power door lock motors to UNLOCK the doors.

When the power doors UNLOCK, ground for the motors is on circuit P2 through the normally closed contacts in the door lock relay to ground on circuit Z1.

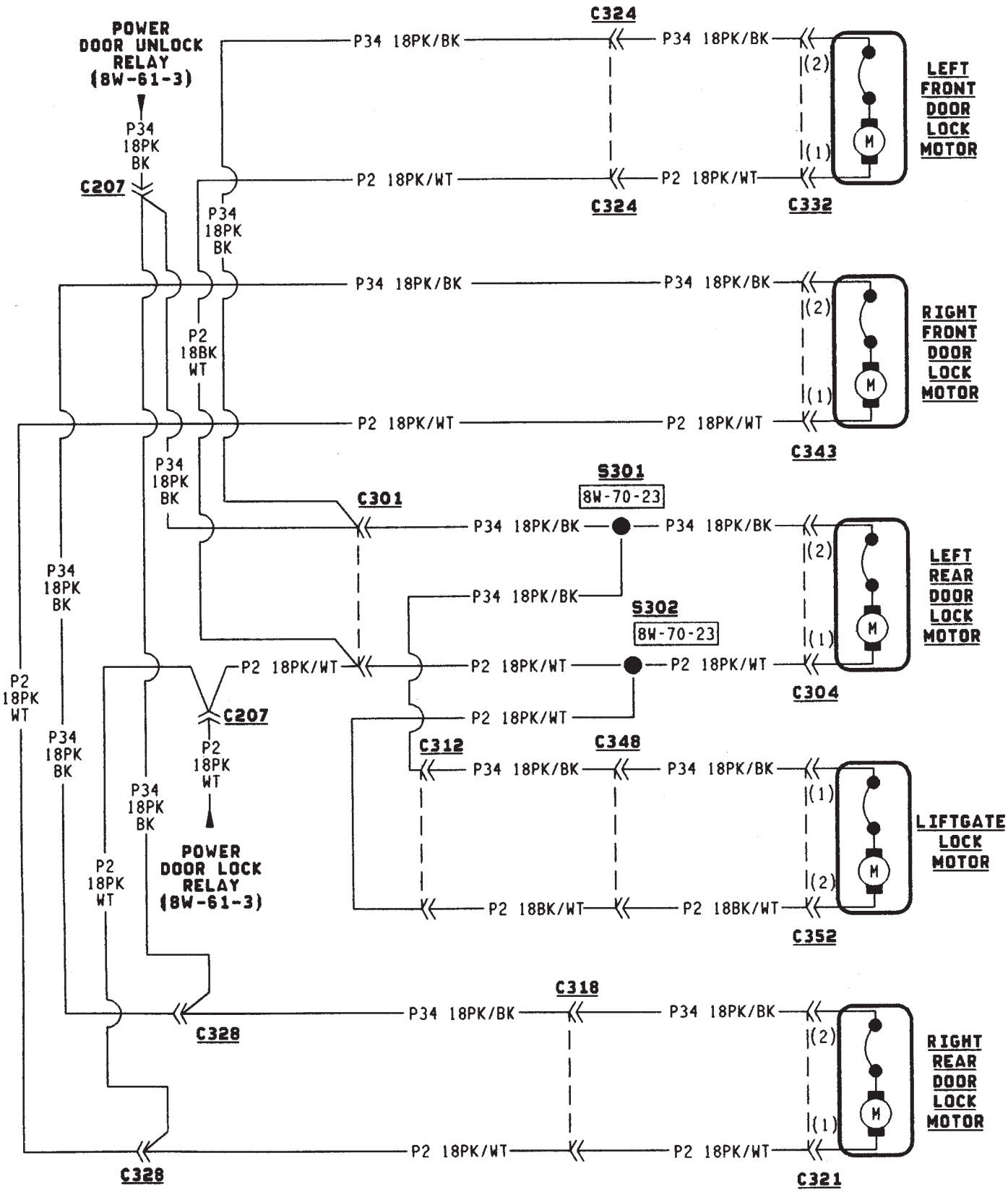
DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 3 40A
C145
A7 12RD/BK
FUSE BLOCK
P37 18LG
C139
C201
6
20A
C201
C203
C310
C301
A7 12RD/YL
P38 180R/WT
P38 200R/WT
P38 200R/WT
P38 200R WT
P38 200R WT
C329
P38 140R/WT
(X1)
C338
P38 200R WT
RIGHT DOOR LOCK SWITCH
UNLOCK
LOCK
C324
(Y1)
(Y2)
C338
C328
P35 140R/VT
P35 200R/VT
P38 140R WT
P36 20PK/VT
P36 20PK/VT
(X1)
C337
LEFT DOOR LOCK SWITCH
UNLOCK
LOCK
(Y1)
(Y2)
C337
P35 140R/VT
P36 14PK/VT

J958W-13


HEADLAMP RELAY (8W-50-9)
TURN SIGNAL RELAY (8W-52-2)
DIMMING RELAY (8W-50-8)
RELAY CENTER
C241
POWER DOOR LOCK RELAY
POWER DOOR UNLOCK RELAY
C207
C301
C318
C324
C328
S213
S215
S207
S203
S204
G201
S224
S223
S222
SPLICE S301 (8W-61-6)
SPLICE S302 (8W-61-4)
P2 18BK/WT
P34 18PK/BK
P37 18LG
P35 200R/VT
P36 20PK/VT
P35 200R VT
P36 20PK VT
P35 140R VT
P36 14PK VT
Z1 18BK
Z1 12BK
Z1 16BK
W/ABS
W/O ABS
RIGHT REAR DOOR LOCK MOTOR (8W-61-4)
RIGHT FRONT DOOR LOCK MOTOR (8W-61-4)

J958W-13


POWER DOOR UNLOCK RELAY (8W-61-3)
P34 18PK BK
C207
P34 18PK BK
P2 18BK WT
P34 18PK BK
P2 18PK WT
C207
P2 18PK WT
POWER DOOR LOCK RELAY (8W-61-3)
P34 18PK BK
P2 18PK WT
P34 18PK BK
P34 18PK BK
P2 18PK WT
C328
C328
C324
P34 18PK/BK
P34 18PK/BK
P2 18PK/WT
P2 18PK/WT
C324
C332
LEFT FRONT DOOR LOCK MOTOR
P34 18PK/BK
P34 18PK/BK
RIGHT FRONT DOOR LOCK MOTOR
P2 18PK/WT
P2 18PK/WT
C343
C301
S301
8W-70-23
P34 18PK/BK
P34 18PK/BK
LEFT REAR DOOR LOCK MOTOR
P34 18PK/BK
S302
8W-70-23
P2 18PK/WT
P2 18PK/WT
P2 18PK/WT
C304
P2 18PK/WT
C312
C348
P34 18PK/BK
P34 18PK/BK
LIFTGATE LOCK MOTOR
P2 18BK/WT
P2 18BK/WT
C352
C318
P34 18PK/BK
P34 18PK/BK
RIGHT REAR DOOR LOCK MOTOR
P2 18PK/WT
P2 18PK/WT
C321
(1)
(2)
M

J958W-13

POWER MIRRORS

INDEX

POWER MIRRORS

Four switches operates the left and right power mirrors. One switch selects right or left mirror. Each mirror has two motors; a LEFT/RIGHT motor and a UP/DOWN motor. The motors switch polarity to allow mirror adjustment.

Circuit A7 from fuse 13 in the Power Distribution Center (PDC) supplies battery voltage to fuse 8 in the fuse block. Fuse 8 supplies voltage to circuit P60. Circuit P60 powers the power mirror switch. Circuit Z1 connects to the power mirror switch and supplies ground for the power mirror system.

RIGHT POWER MIRROR OPERATION

In the right position, the power mirror switch supplies power to the right mirror LEFT/RIGHT motor on circuit P79 when a rightward adjustment is made. Circuit P77 provides the ground path the for rightward adjustments.

When the operator makes leftward adjustment, polarity reverses. For leftward adjustments, the switch supplies battery voltage to the right mirror LEFT/RIGHT motor on circuit P77. Circuit P79 supplies ground for leftward adjustments.

During upward adjustments, the switch supplies voltage to the right mirror UP/DOWN motor on circuit P79. Circuit P80 supplies ground during upward adjustments.

For downward adjustments, the polarity is reversed, the switch powers the right mirror UP/DOWN motor on circuit P80. Circuit P79 supplies the ground path.

LEFT POWER MIRROR OPERATION

In the left position, the power mirror switch supplies power to the left mirror LEFT/RIGHT motor on circuit P79 when a rightward adjustment is made. Circuit P81 provides the ground path the for rightward adjustments.

When the operator makes leftward adjustment, polarity reverses. For leftward adjustments, the switch supplies battery voltage the left mirror LEFT/RIGHT motor on circuit P81. Circuit P79 supplies ground for leftward adjustments.

During upward adjustments, the switch supplies voltage to the left mirror UP/DOWN motor on circuit P79. Circuit P78 supplies ground during upward adjustments.

For downward adjustments, the polarity is reversed, the switch powers the left mirror UP/DOWN motor on circuit P78. Circuit P79 supplies the ground path.

HELPFUL INFORMATION

- Check fuse 3 in the PDC and fuse 8 in the fuse block in the PDC

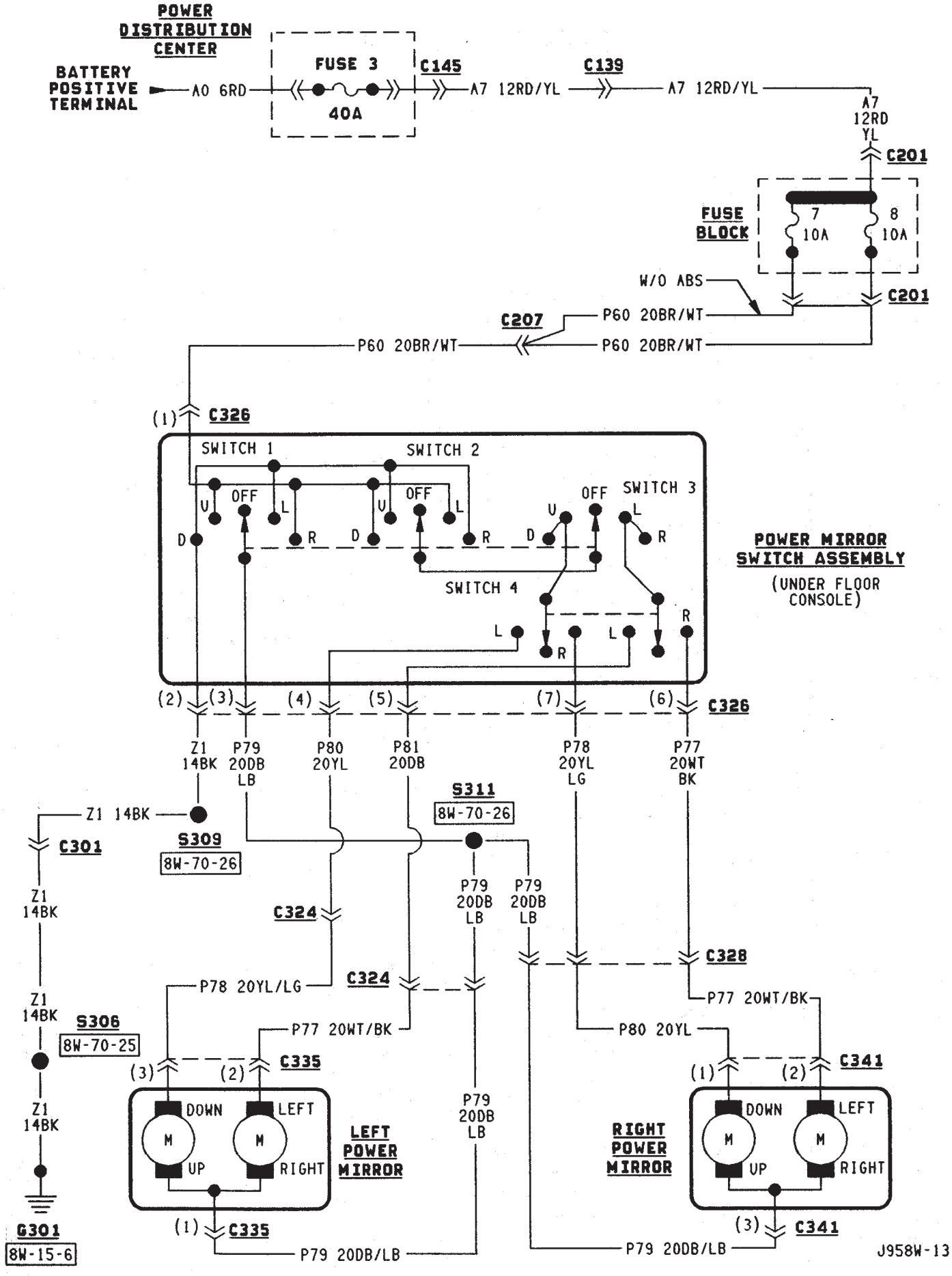
HEATER ELEMENTS

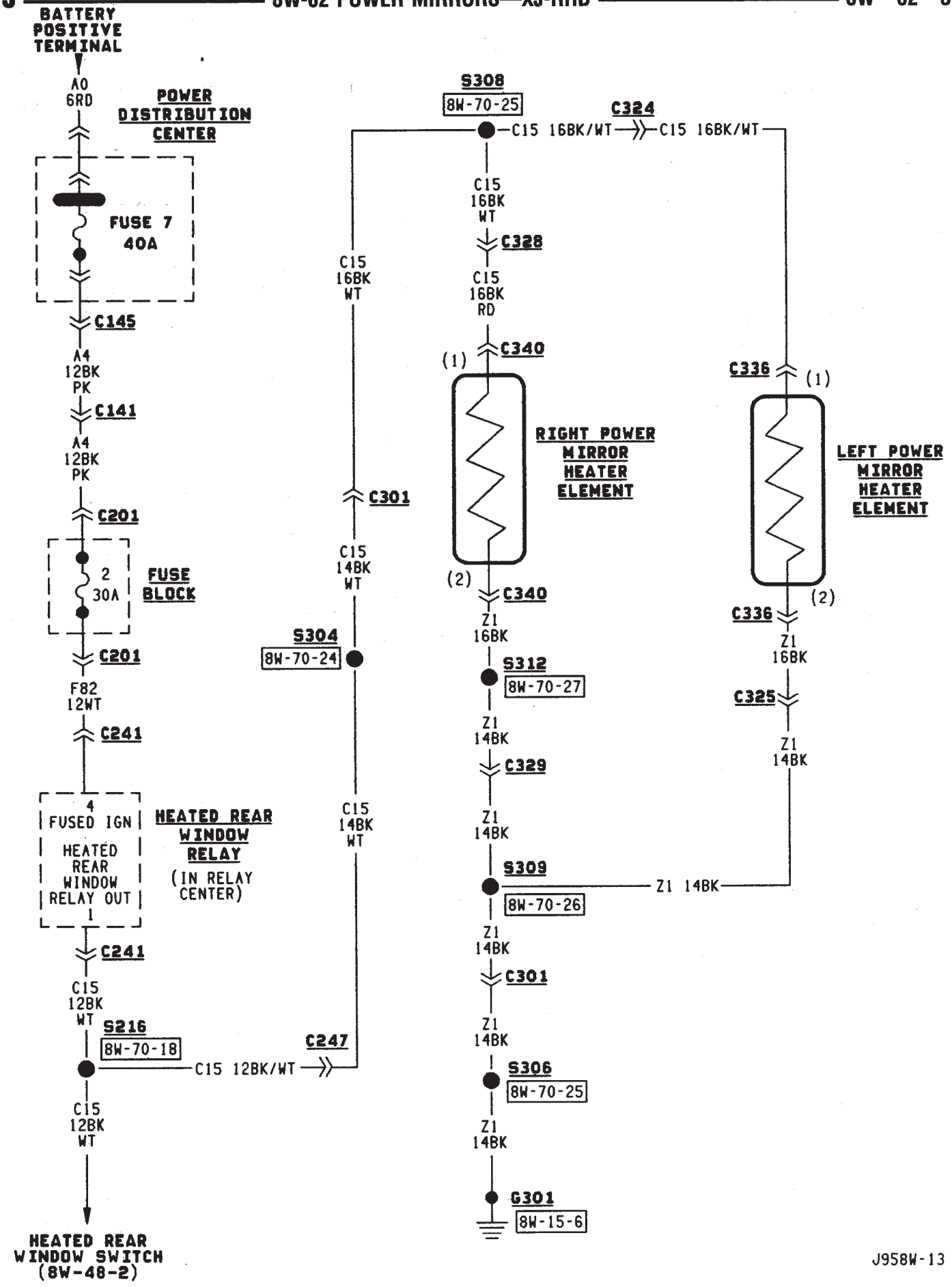
The heated rear window relay powers the heater elements in power mirrors. When the relay energizes, it supplies power to the heater elements on circuit C15. Circuit Z1 provides ground for the power mirror heater elements.

HELPFUL INFORMATION

- Circuit F82 from fuse 2 in the fuse block powers circuit C15 when the heated rear window relay energizes.
- Circuit A4 from fuse 7 in the Power Distribution Center (PDC) supplies battery voltage to the fuse block for fuse 2 and circuit F85.
- Check fuse 2 in the fuse block.
- Check fuse 7 in the PDC.

DIAGRAM INDEX


POWER DISTRIBUTION CENTER
BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3
40A
C145
A7 12RD/YL
C139
A7 12RD/YL
A7 12RD YL
C201
FUSE BLOCK
7 10A
8 10A
W/O ABS
C201
C207
P60 20BR/WT
P60 20BR/WT
P60 20BR/WT
(1) C326
SWITCH 1
SWITCH 2
SWITCH 3
SWITCH 4
OFF
U
D
L
R
POWER MIRROR SWITCH ASSEMBLY
(UNDER FLOOR CONSOLE)
(2) (3) (4) (5) (7) (6) C326
Z1 14BK
P79 20DB LB
P80 20YL
P81 20DB
P78 20YL LG
P77 20WT BK
Z1 14BK
S309
8W-70-26
S311
8W-70-26
C301
Z1 14BK
C324
P79 20DB LB
P79 20DB LB
C328
P78 20YL/LG
C324
P77 20WT/BK
Z1 14BK
S306
8W-70-25
P77 20WT/BK
P80 20YL
(3) (2) C335
(1) (2) C341
Z1 14BK
DOWN
LEFT
M
UP
RIGHT
LEFT POWER MIRROR
P79 20DB LB
RIGHT POWER MIRROR
G301
8W-15-6
(1) C335
P79 20DB/LB
P79 20DB/LB
(3) C341
J958W-13


BATTERY POSITIVE TERMINAL
A0 6RD
POWER DISTRIBUTION CENTER
FUSE 7 40A
C145
A4 12BK PK
C141
A4 12BK PK
C201
2 30A
FUSE BLOCK
C201
F82 12WT
C241
4 FUSED IGN
HEATED REAR WINDOW RELAY OUT
1
HEATED REAR WINDOW RELAY
(IN RELAY CENTER)
C241
C15 12BK WT
S216
8W-70-18
C15 12BK/WT
C247
C15 12BK WT
HEATED REAR WINDOW SWITCH (8W-48-2)
S304
8W-70-24
C15 14BK WT
C301
C15 14BK WT
S308
8W-70-25
C15 16BK/WT
C324
C15 16BK/WT
C15 16BK WT
C328
C15 16BK RD
C340
(1)
RIGHT POWER MIRROR HEATER ELEMENT
(2)
C340
Z1 16BK
S312
8W-70-27
Z1 14BK
C329
Z1 14BK
S309
8W-70-26
Z1 14BK
C301
Z1 14BK
S306
8W-70-25
Z1 14BK
G301
8W-15-6
C336
(1)
LEFT POWER MIRROR HEATER ELEMENT
(2)
C336
Z1 16BK
C325
Z1 14BK
Z1 14BK
J958W-13

POWER SEAT

POWER SEAT

Battery voltage for the power seat system is supplied by circuit A11 from fuse 1 in the fuse block. Circuit A11 is HOT at all times and supplies battery voltage to the power seat switch.

A BUS bar internal to the power seat switch connects the power from circuit A11 to the switches. Grounding for the seat system is supplied on circuit Z1.

The motors located under the seat are protected by circuit breakers wired in with the motors. Each motor has its own circuit breaker.

When the operator selects the FRONT VERTICAL UP function, power is passed on the A11 circuit through the closed contacts in the switch to the S5 circuit. The S5 circuit connects to the motor. Ground is provided on the S6 circuit back to the switch. A ground BUS bar internal to the switch then connects to the Z1 circuit.

For FRONT VERTICAL DOWN function the circuits are reversed. S6 is the feed and S5 is the ground.

When the operator selects the SEAT FORWARD function, power is passed on the A11 circuit through the closed contacts in the switch to the S3 circuit. The S3 circuit connects to the motor. Ground is provided on the S4 circuit back to the switch. A ground BUS bar internal to the switch then connects to the Z1 circuit.

For SEAT REARWARD function the circuits are reversed. S4 is the feed and S3 is the ground.

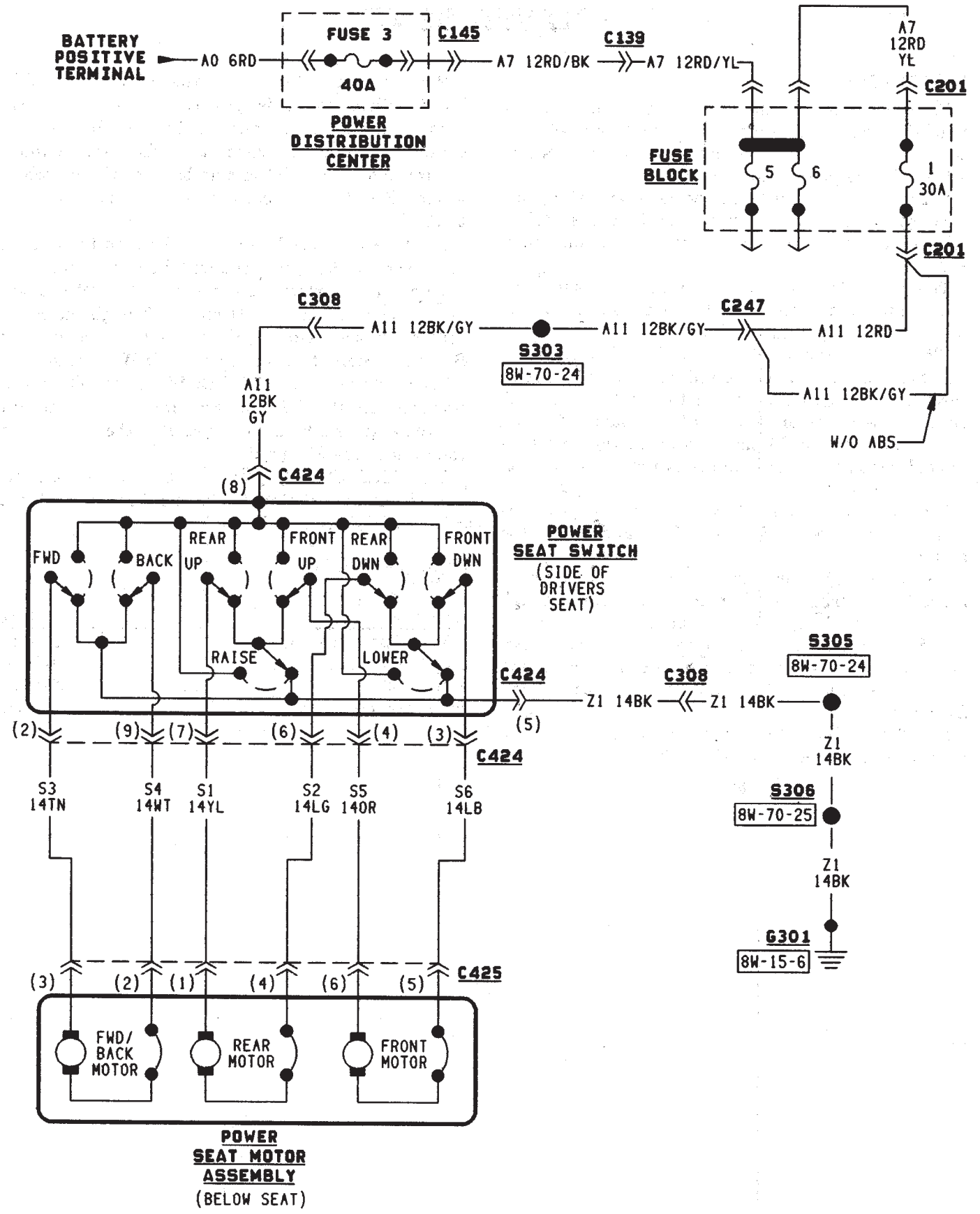
When the operator selects the REAR VERTICAL UP function, power is passed on the A11 circuit through the closed contacts in the switch to the S1 circuit. The S1 circuit connects to the motor. Ground is provided on the S2 circuit back to the switch. A ground BUS bar internal to the switch then connects to the Z1 circuit.

For REAR VERTICAL DOWN function the circuits are reversed. S2 is the feed and S1 is the ground.

When the operator selects the SEAT UP function power is passed on the A11 circuit through the closed contacts in the switch to the S1 and S5 circuits. The S1 circuit connects to the rear UP/DOWN motor, and S5 connects to the front UP/DOWN motor. Ground is provided on the S2 and S6 circuits back to the switch. A ground BUS bar internal to the switch then connects to the Z1 circuit.

For SEAT DOWN function the circuits are reversed. S2 and S6 circuits are the feeds and S1 and S5 are the grounds.

DIAGRAM INDEX


BATTERY POSITIVE TERMINAL
A0 6RD
FUSE 3
40A
C145
POWER DISTRIBUTION CENTER
C139
A7 12RD/BK
A7 12RD/YL
A7 12RD YL
C201
FUSE BLOCK
5
6
1 30A
C201
C308
A11 12BK/GY
S303
8W-70-24
C247
A11 12BK/GY
A11 12RD
A11 12BK/GY
W/O ABS
A11 12BK GY
(8)
C424
FWD
BACK
REAR UP
FRONT UP
REAR DWN
FRONT DWN
RAISE
LOWER
POWER SEAT SWITCH
(SIDE OF DRIVERS SEAT)
C424
(5)
Z1 14BK
C308
Z1 14BK
S305
8W-70-24
Z1 14BK
S306
8W-70-25
Z1 14BK
G301
8W-15-6
(2) (9) (7) (6) (4) (3)
C424
S3 14TN
S4 14WT
S1 14YL
S2 14LG
S5 14OR
S6 14LB
(3) (2) (1) (4) (6) (5)
C425
FWD/ BACK MOTOR
REAR MOTOR
FRONT MOTOR
POWER SEAT MOTOR ASSEMBLY
(BELOW SEAT)

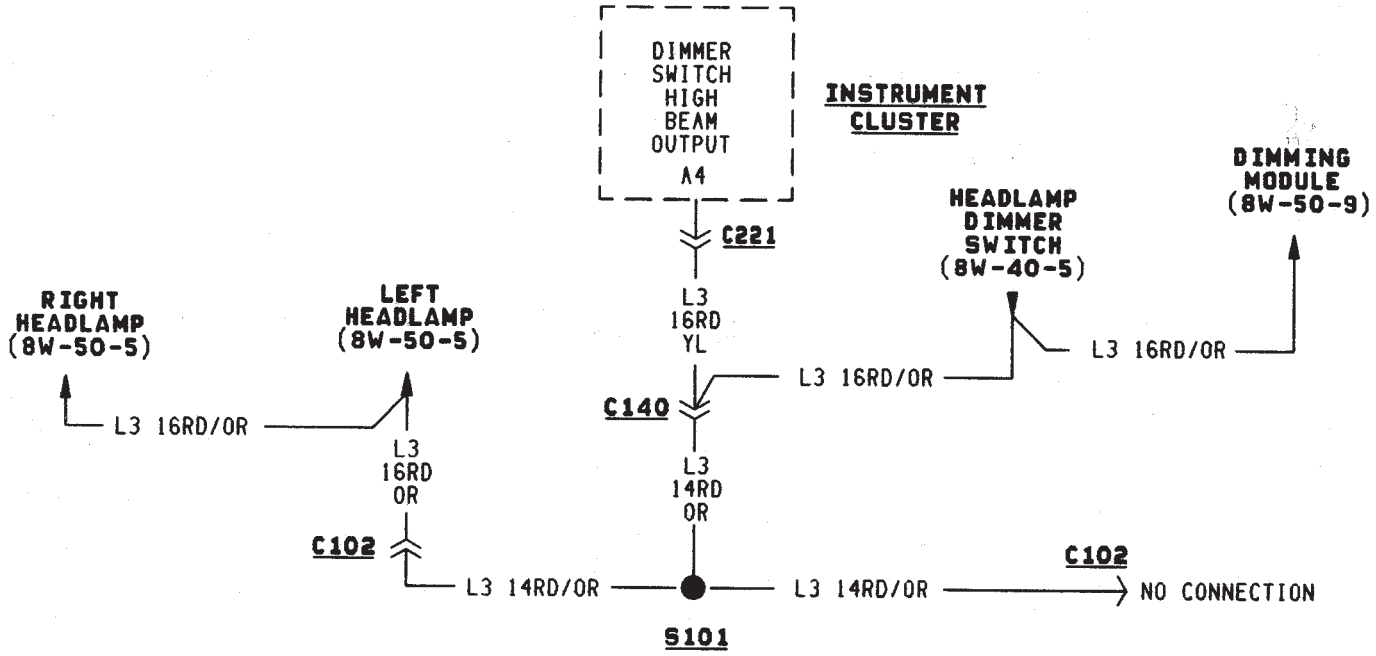
J958W-13

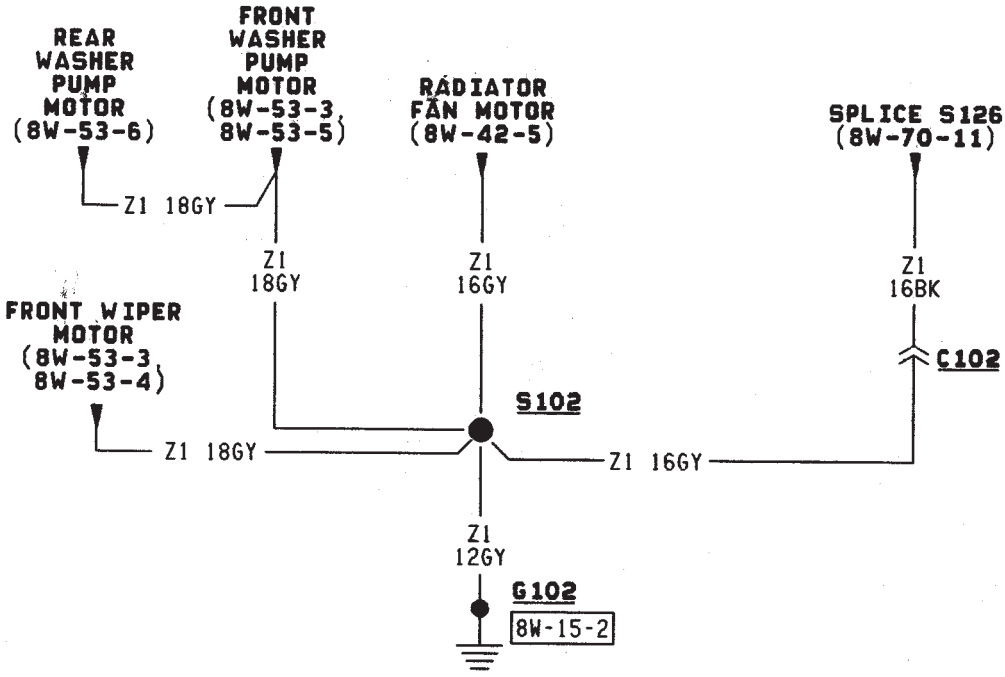
SPLICE INFORMATION

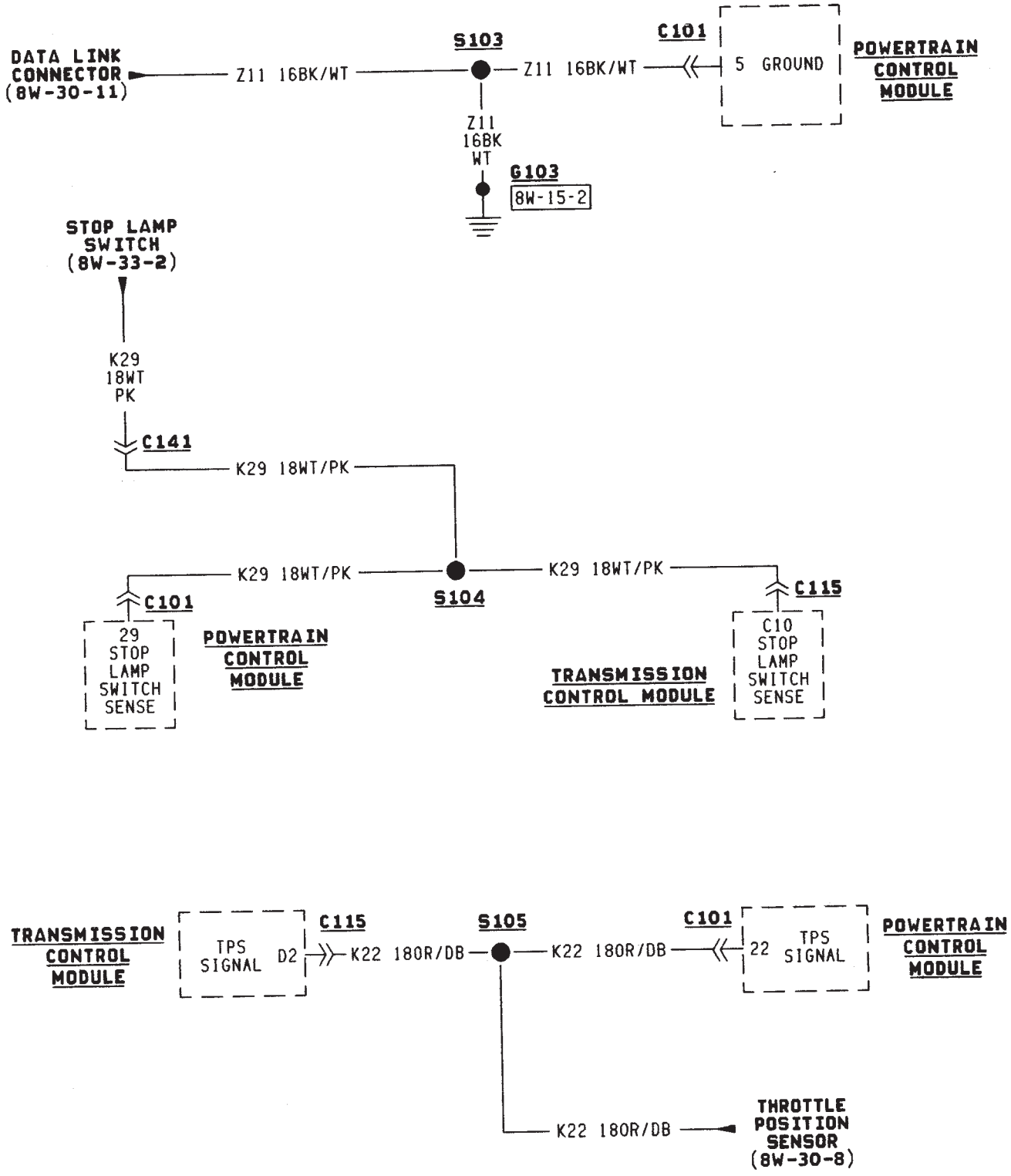
GENERAL INFORMATION

This section identifies all splices in the wiring diagrams. It also shows the splices in their entirety. All circuits that are part of the splices are shown, and the systems they affect are referenced. For viewing the location of each splice in the vehicle, refer to Section 8W-95.

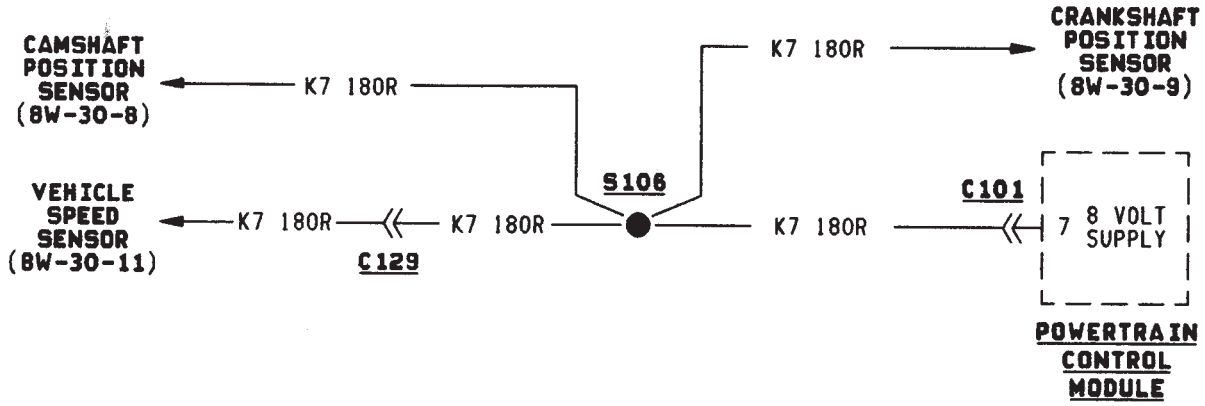
SPLICE INDEX

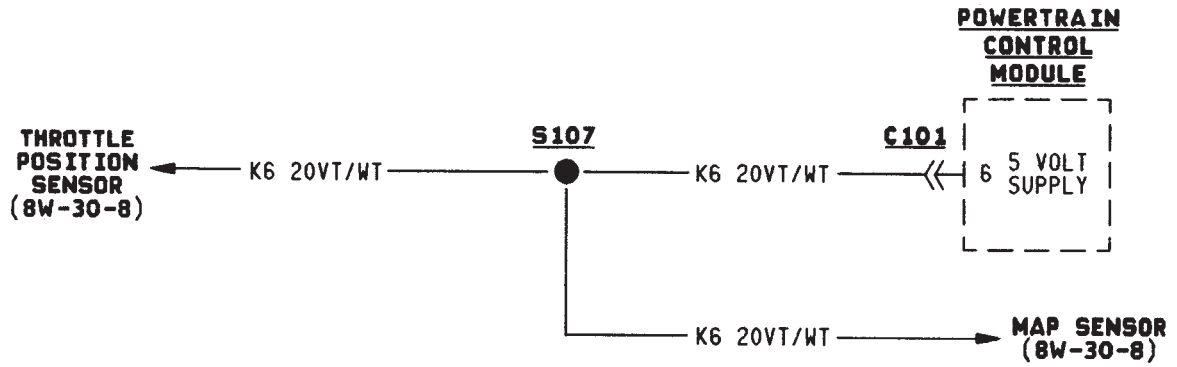

DIMMER SWITCH HIGH BEAM OUTPUT A4
INSTRUMENT CLUSTER
C221
L3 16RD YL
HEADLAMP DIMMER SWITCH (8W-40-5)
DIMMING MODULE (8W-50-9)
L3 16RD/OR
RIGHT HEADLAMP (8W-50-5)
LEFT HEADLAMP (8W-50-5)
L3 16RD/OR
C140
L3 16RD/OR
L3 16RD OR
L3 14RD OR
C102
L3 14RD/OR
L3 14RD/OR
C102
NO CONNECTION
S101

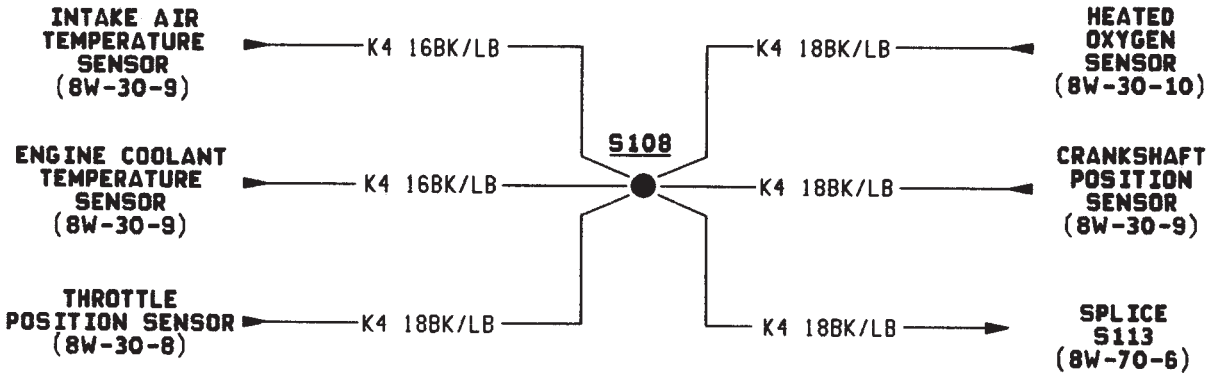

REAR WASHER PUMP MOTOR (8W-53-6)
FRONT WASHER PUMP MOTOR (8W-53-3, 8W-53-5)
RADIATOR FAN MOTOR (8W-42-5)
SPLICE S126 (8W-70-11)
Z1 18GY
Z1 18GY
Z1 16GY
Z1 16BK
C102
FRONT WIPER MOTOR (8W-53-3, 8W-53-4)
S102
Z1 18GY
Z1 16GY
Z1 12GY
G102
8W-15-2

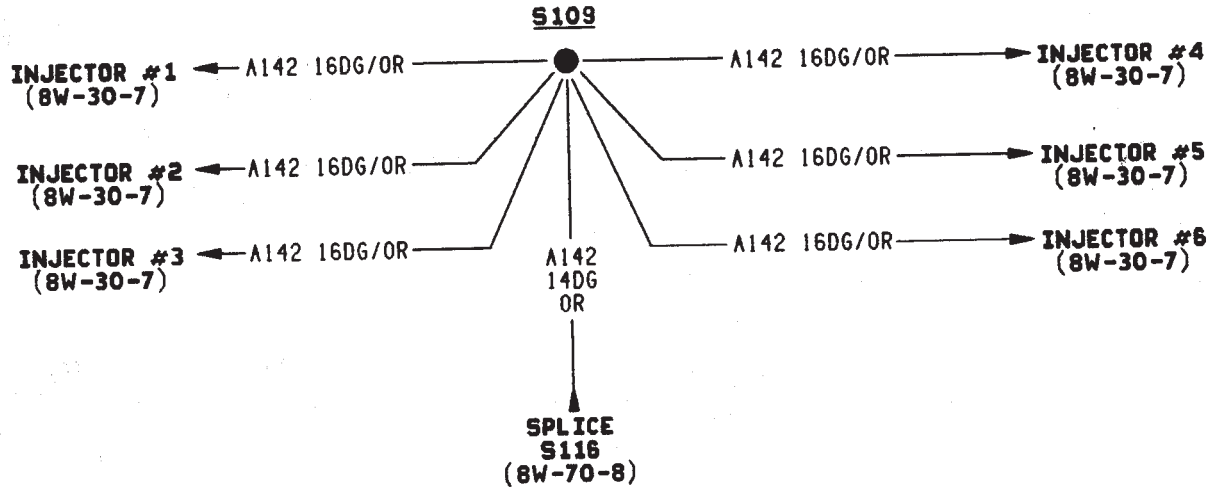

DATA LINK CONNECTOR (8W-30-11)
Z11 16BK/WT
S103
Z11 16BK/WT
C101
5 GROUND
POWERTRAIN CONTROL MODULE
Z11 16BK WT
G103
8W-15-2
STOP LAMP SWITCH (8W-33-2)
K29 18WT PK
C141
K29 18WT/PK
K29 18WT/PK
S104
K29 18WT/PK
C101
29 STOP LAMP SWITCH SENSE
POWERTRAIN CONTROL MODULE
C115
C10 STOP LAMP SWITCH SENSE
TRANSMISSION CONTROL MODULE
TRANSMISSION CONTROL MODULE
TPS SIGNAL D2
C115
K22 180R/DB
S105
K22 180R/DB
C101
22 TPS SIGNAL
POWERTRAIN CONTROL MODULE
K22 180R/DB
THROTTLE POSITION SENSOR (8W-30-8)

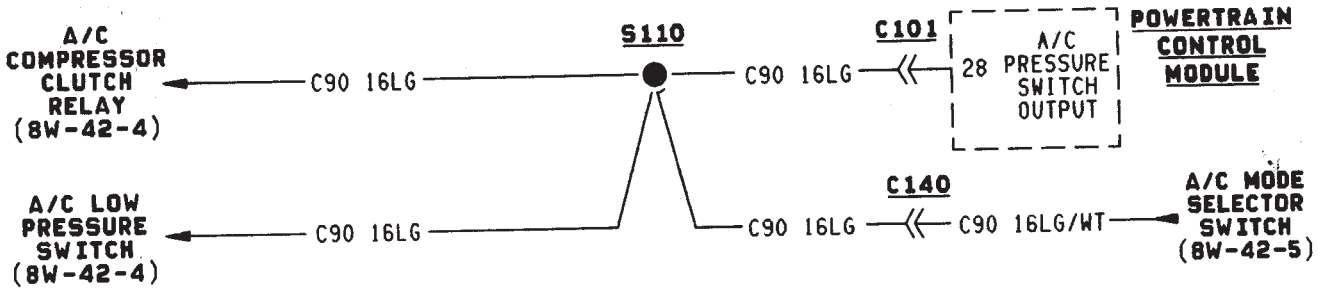
J958W-13

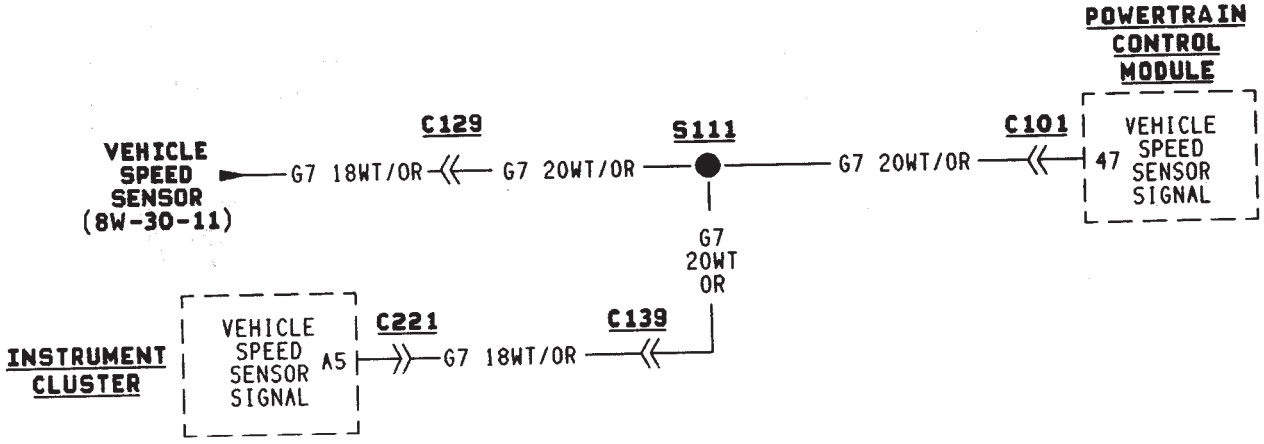

CAMSHAFT POSITION SENSOR (8W-30-8)
K7 180R
K7 180R
CRANKSHAFT POSITION SENSOR (8W-30-9)
VEHICLE SPEED SENSOR (8W-30-11)
K7 180R
C129
K7 180R
S106
K7 180R
C101
7 8 VOLT SUPPLY
POWERTRAIN CONTROL MODULE


POWERTRAIN CONTROL MODULE
THROTTLE POSITION SENSOR (8W-30-8)
K6 20VT/WT
S107
K6 20VT/WT
C101
6 5 VOLT SUPPLY
K6 20VT/WT
MAP SENSOR (8W-30-8)

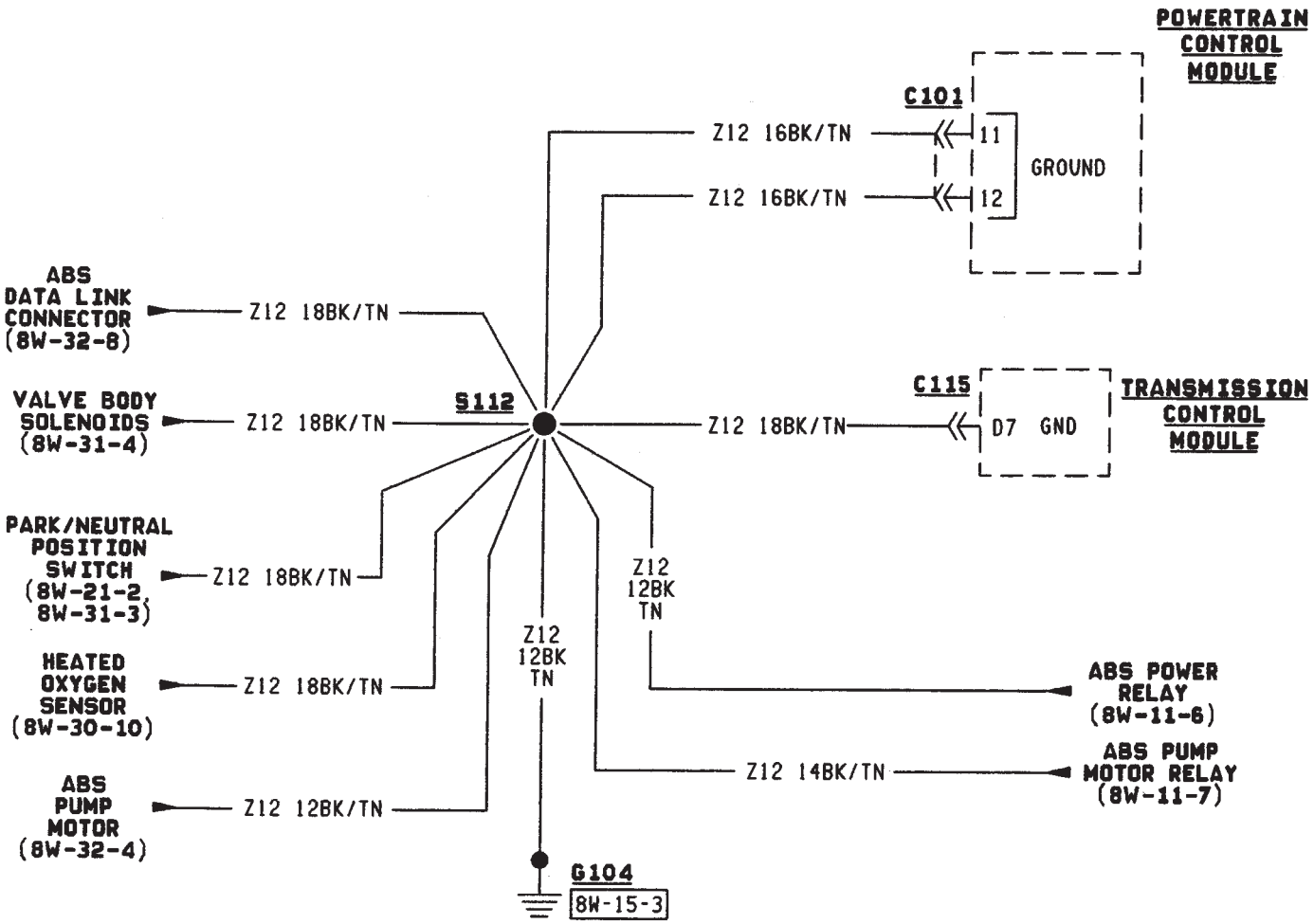

INTAKE AIR TEMPERATURE SENSOR (8W-30-9)
K4 16BK/LB
K4 18BK/LB
HEATED OXYGEN SENSOR (8W-30-10)
S108
ENGINE COOLANT TEMPERATURE SENSOR (8W-30-9)
K4 16BK/LB
K4 18BK/LB
CRANKSHAFT POSITION SENSOR (8W-30-9)
THROTTLE POSITION SENSOR (8W-30-8)
K4 18BK/LB
K4 18BK/LB
SPLICE S113 (8W-70-6)

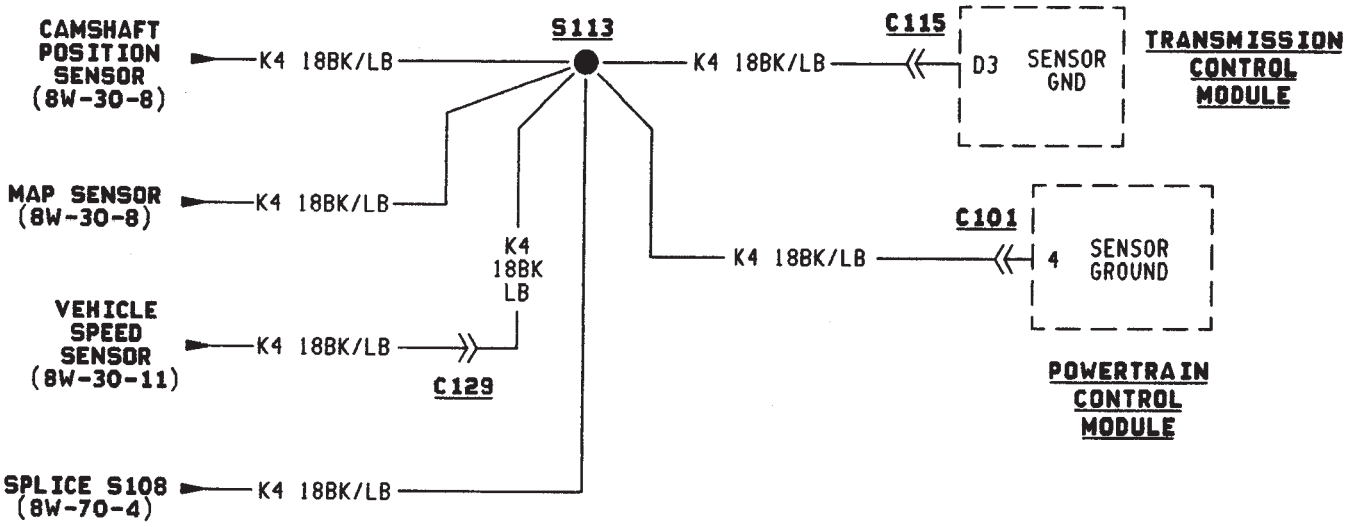

S109
INJECTOR #1 (8W-30-7)
A142 16DG/OR
INJECTOR #2 (8W-30-7)
A142 16DG/OR
INJECTOR #3 (8W-30-7)
A142 16DG/OR
A142 16DG/OR
INJECTOR #4 (8W-30-7)
A142 16DG/OR
INJECTOR #5 (8W-30-7)
A142 16DG/OR
INJECTOR #6 (8W-30-7)
A142 14DG OR
SPLICE S116 (8W-70-8)

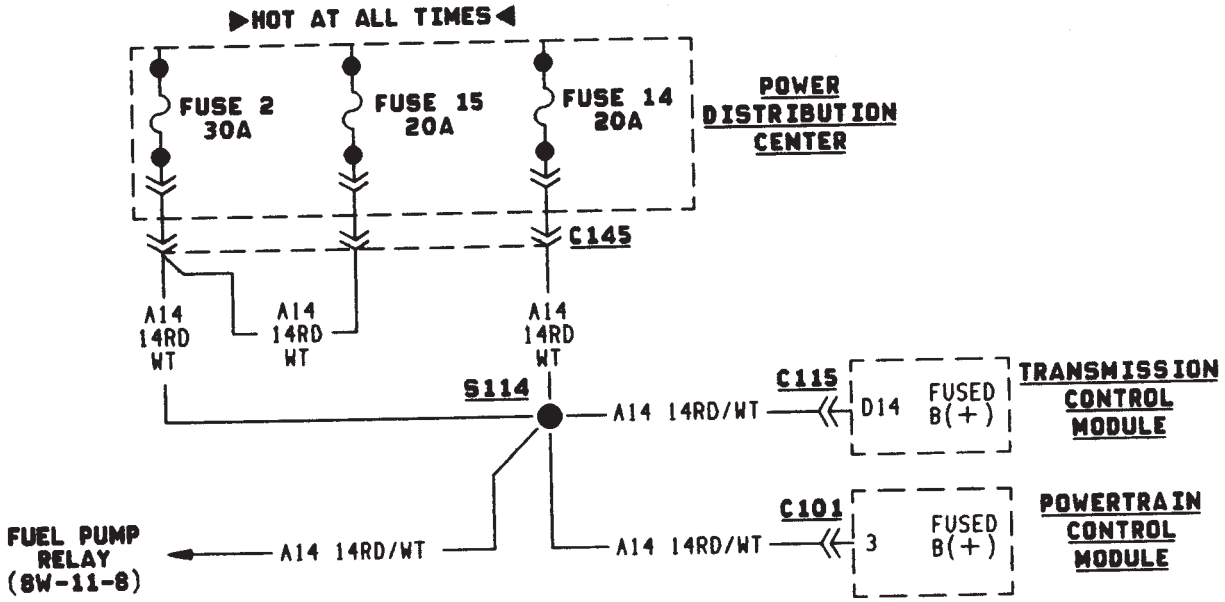

A/C COMPRESSOR CLUTCH RELAY (8W-42-4)
C90 16LG
S110
C90 16LG
C101
28 A/C PRESSURE SWITCH OUTPUT
POWERTRAIN CONTROL MODULE
A/C LOW PRESSURE SWITCH (8W-42-4)
C90 16LG
C90 16LG
C140
C90 16LG/WT
A/C MODE SELECTOR SWITCH (8W-42-5)

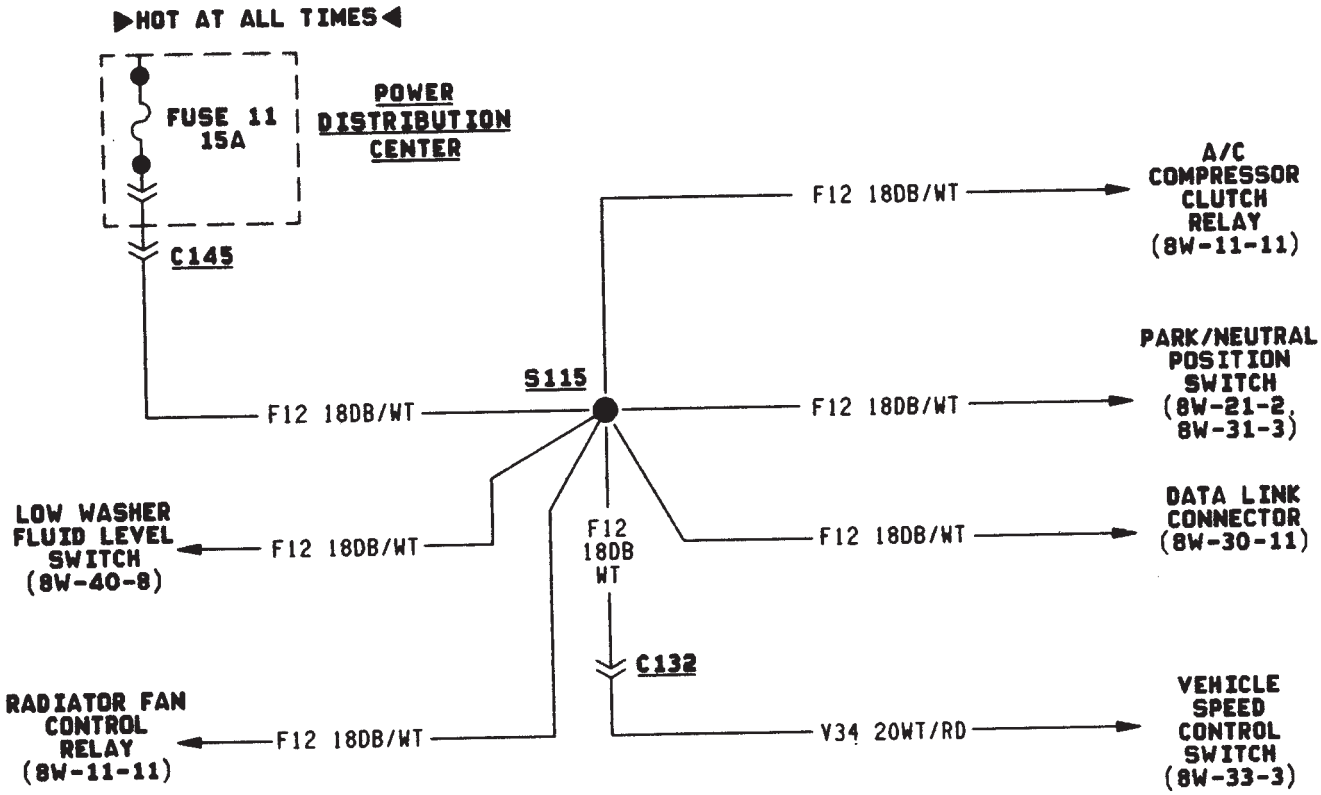

POWERTRAIN CONTROL MODULE
VEHICLE SPEED SENSOR (8W-30-11)
C129
G7 18WT/OR
G7 20WT/OR
S111
G7 20WT/OR
C101
47 VEHICLE SPEED SENSOR SIGNAL
G7 20WT OR
INSTRUMENT CLUSTER
VEHICLE SPEED SENSOR SIGNAL
A5
C221
G7 18WT/OR
C139

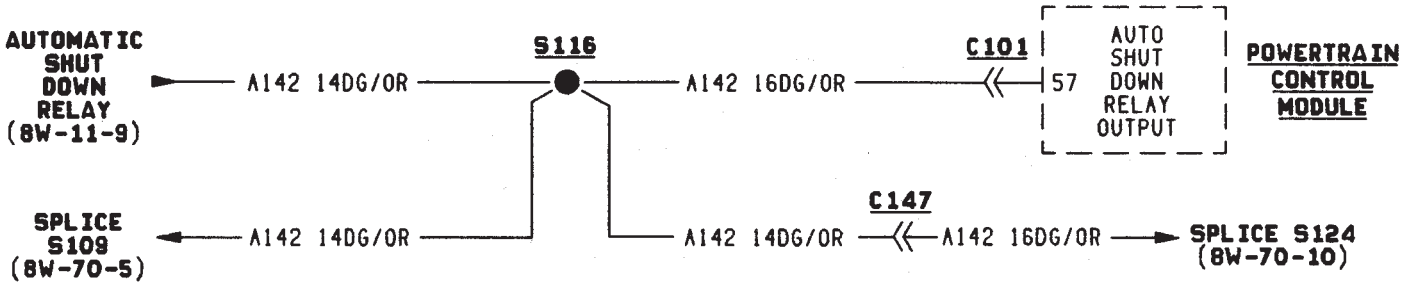
J958W-13

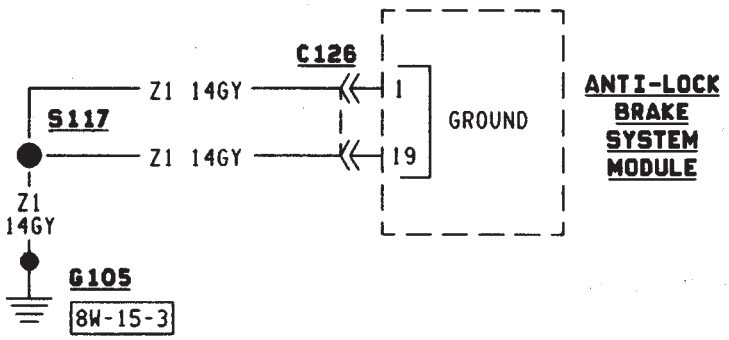

POWERTRAIN CONTROL MODULE
C101
Z12 16BK/TN
11
GROUND
Z12 16BK/TN
12
ABS DATA LINK CONNECTOR (8W-32-8)
Z12 18BK/TN
VALVE BODY SOLENOIDS (8W-31-4)
Z12 18BK/TN
S112
C115
D7 GND
TRANSMISSION CONTROL MODULE
Z12 18BK/TN
PARK/NEUTRAL POSITION SWITCH (8W-21-2, 8W-31-3)
Z12 18BK/TN
HEATED OXYGEN SENSOR (8W-30-10)
Z12 18BK/TN
Z12 12BK TN
Z12 12BK TN
ABS POWER RELAY (8W-11-6)
Z12 14BK/TN
ABS PUMP MOTOR RELAY (8W-11-7)
ABS PUMP MOTOR (8W-32-4)
Z12 12BK/TN
G104
8W-15-3

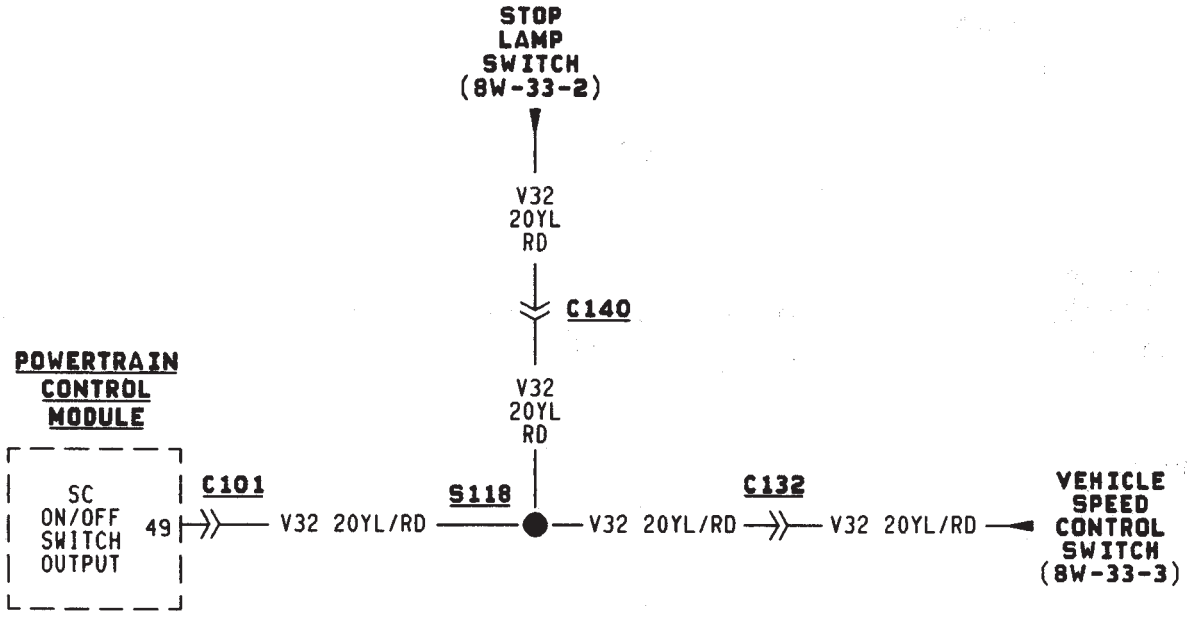

CAMSHAFT POSITION SENSOR (8W-30-8)
K4 18BK/LB
S113
K4 18BK/LB
C115
D3 SENSOR GND
TRANSMISSION CONTROL MODULE
MAP SENSOR (8W-30-8)
K4 18BK/LB
C101
4 SENSOR GROUND
K4 18BK LB
K4 18BK/LB
VEHICLE SPEED SENSOR (8W-30-11)
K4 18BK/LB
C129
POWERTRAIN CONTROL MODULE
SPLICE S108 (8W-70-4)
K4 18BK/LB


▶HOT AT ALL TIMES◀
FUSE 2
30A
FUSE 15
20A
FUSE 14
20A
POWER
DISTRIBUTION
CENTER
C145
A14
14RD
WT
A14
14RD
WT
A14
14RD
WT
S114
C115
D14
FUSED
B(+)
TRANSMISSION
CONTROL
MODULE
A14 14RD/WT
FUEL PUMP
RELAY
(8W-11-8)
A14 14RD/WT
A14 14RD/WT
C101
3
FUSED
B(+)
POWERTRAIN
CONTROL
MODULE

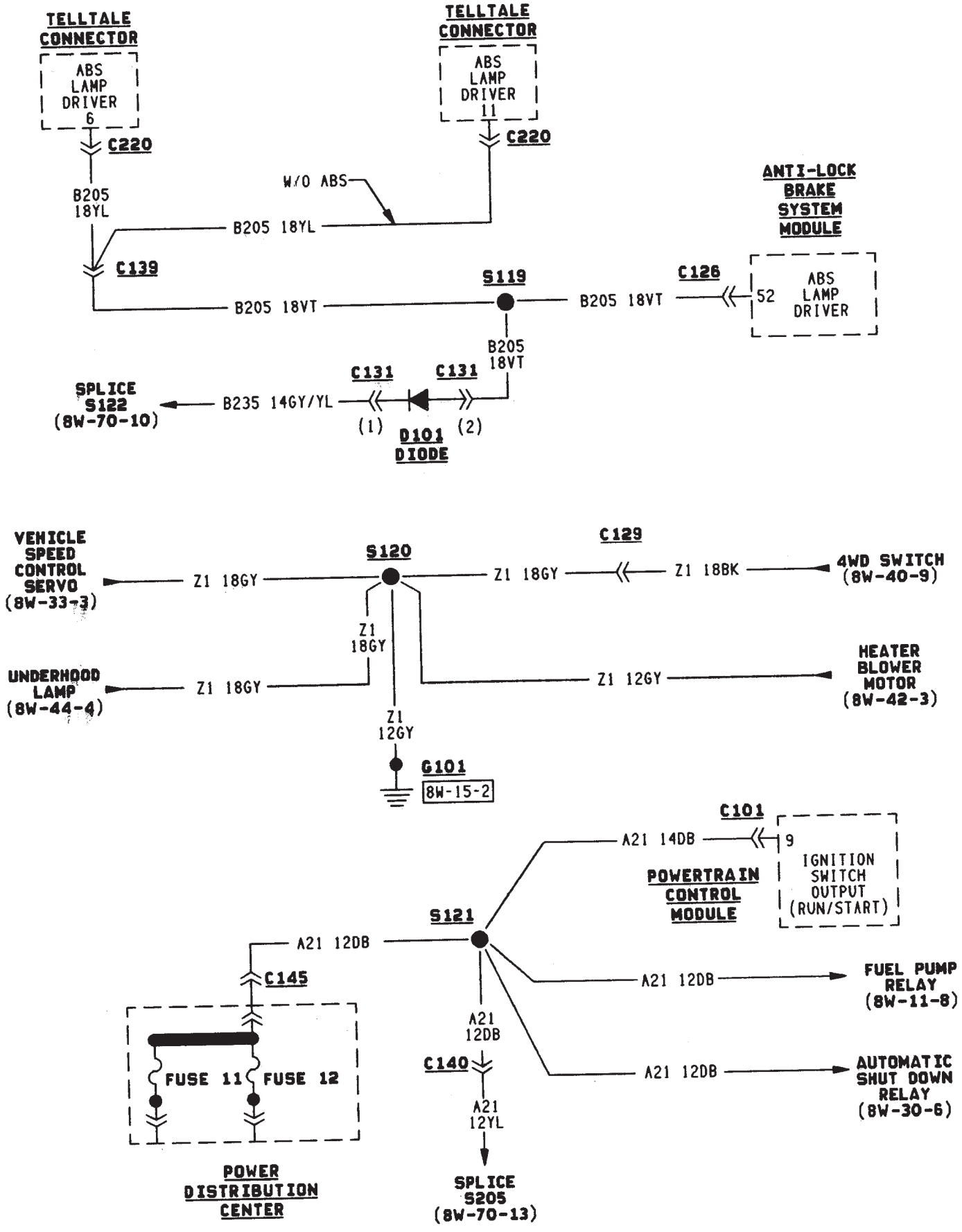

▶HOT AT ALL TIMES◀
FUSE 11
15A
POWER
DISTRIBUTION
CENTER
C145
F12 18DB/WT
A/C
COMPRESSOR
CLUTCH
RELAY
(8W-11-11)
S115
F12 18DB/WT
F12 18DB/WT
PARK/NEUTRAL
POSITION
SWITCH
(8W-21-2,
8W-31-3)
LOW WASHER
FLUID LEVEL
SWITCH
(8W-40-8)
F12 18DB/WT
F12
18DB
WT
F12 18DB/WT
DATA LINK
CONNECTOR
(8W-30-11)
C132
RADIATOR FAN
CONTROL
RELAY
(8W-11-11)
F12 18DB/WT
V34 20WT/RD
VEHICLE
SPEED
CONTROL
SWITCH
(8W-33-3)


AUTOMATIC SHUT DOWN RELAY (8W-11-9)
A142 14DG/OR
S116
A142 16DG/OR
C101
57 AUTO SHUT DOWN RELAY OUTPUT
POWERTRAIN CONTROL MODULE
SPLICE S109 (8W-70-5)
A142 14DG/OR
C147
A142 14DG/OR
A142 16DG/OR
SPLICE S124 (8W-70-10)

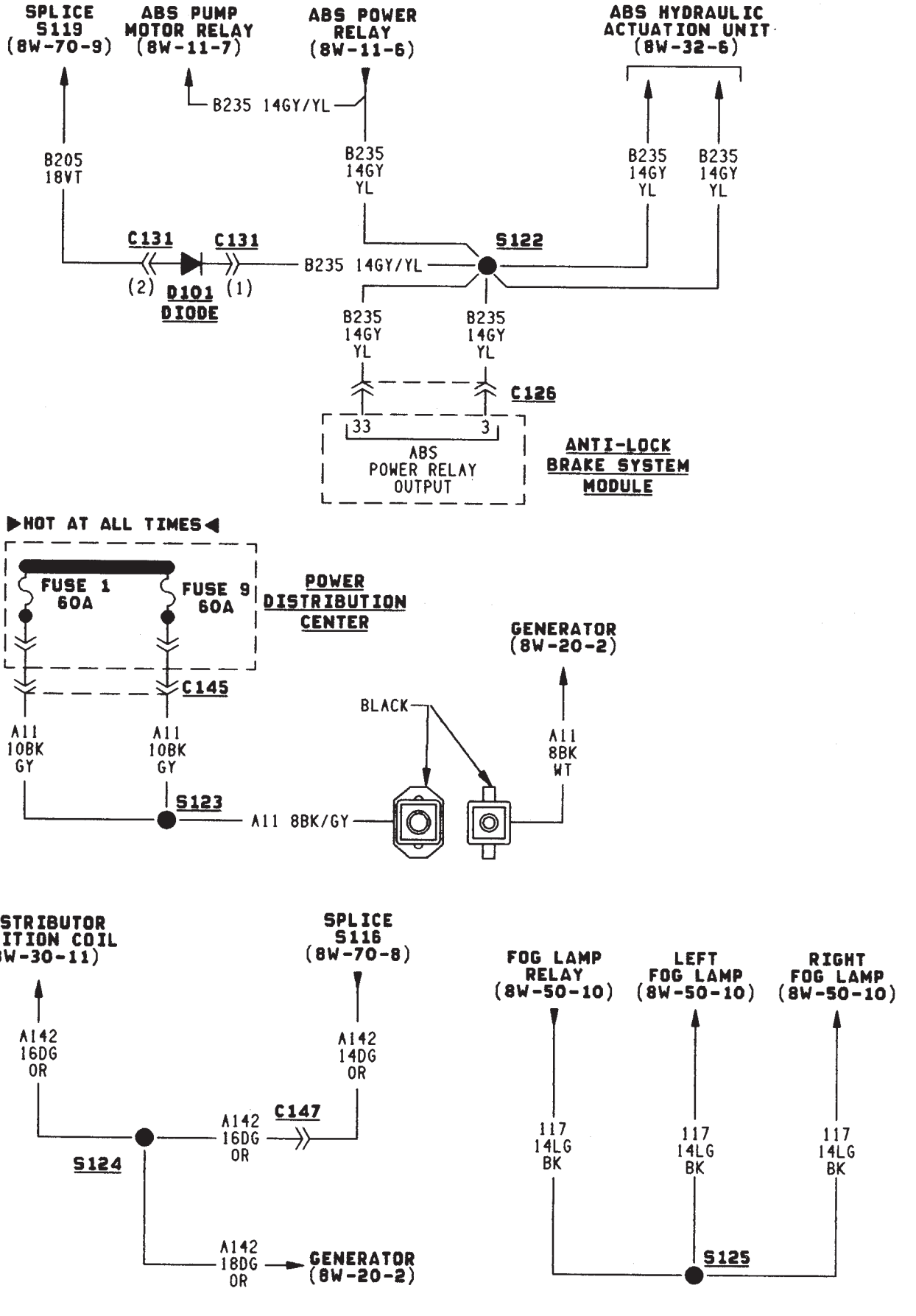

C126
Z1 14GY
1
GROUND
ANTI-LOCK BRAKE SYSTEM MODULE
S117
Z1 14GY
19
Z1 14GY
G105
8W-15-3


STOP LAMP SWITCH (8W-33-2)
V32 20YL RD
C140
V32 20YL RD
POWERTRAIN CONTROL MODULE
SC ON/OFF SWITCH OUTPUT
49
C101
V32 20YL/RD
S118
V32 20YL/RD
C132
V32 20YL/RD
VEHICLE SPEED CONTROL SWITCH (8W-33-3)

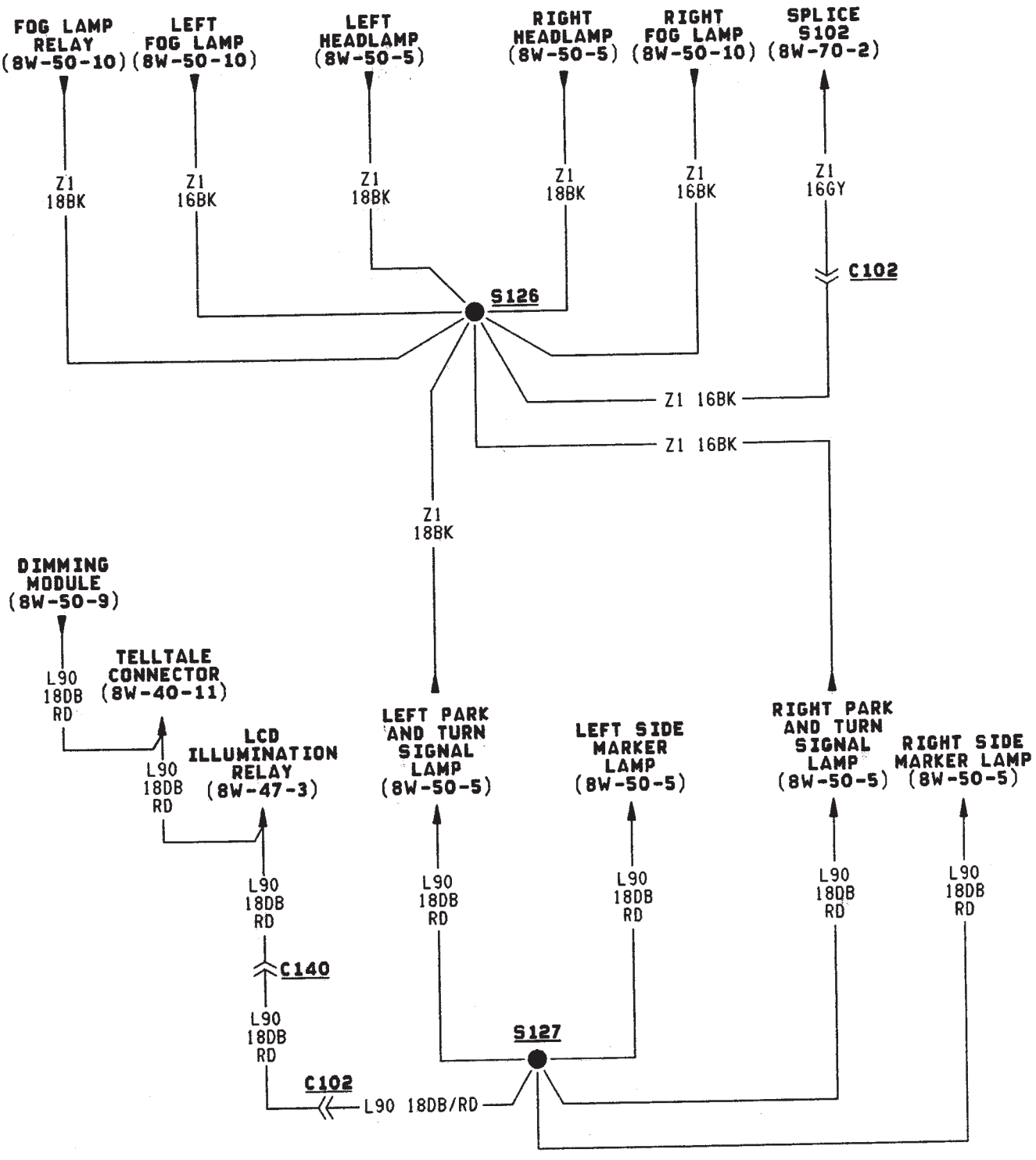
J958W-13

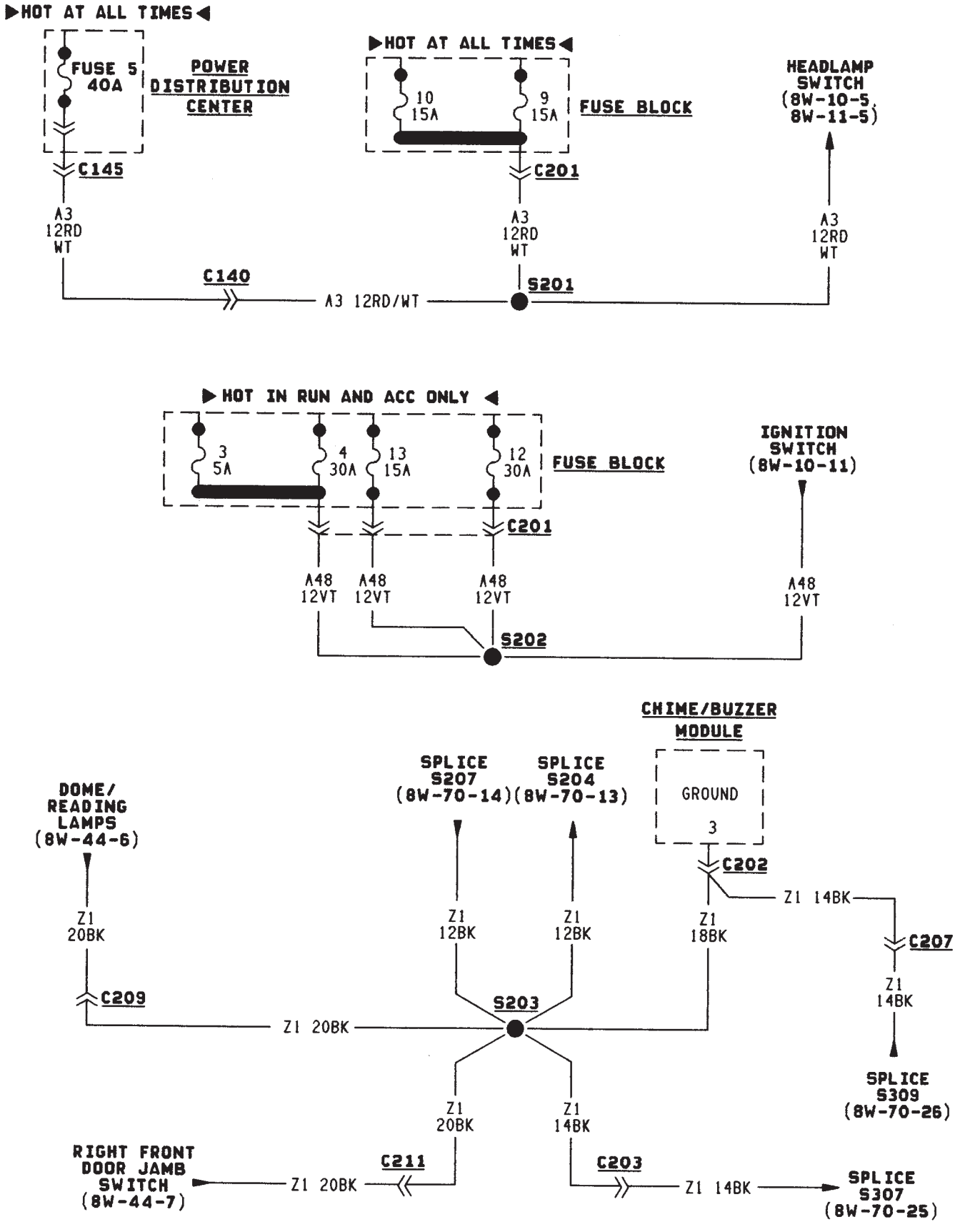

TELLTALE CONNECTOR
ABS LAMP DRIVER 6
C220
B205 18YL
C139
TELLTALE CONNECTOR
ABS LAMP DRIVER 11
C220
W/O ABS
B205 18YL
ANTI-LOCK BRAKE SYSTEM MODULE
C126
52 ABS LAMP DRIVER
S119
B205 18VT
B205 18VT
B205 18VT
C131
C131
SPLICE S122 (8W-70-10)
B235 14GY/YL
(1)
D101 DIODE
(2)
VEHICLE SPEED CONTROL SERVO (8W-33-3)
Z1 18GY
S120
C129
Z1 18GY
Z1 18BK
4WD SWITCH (8W-40-9)
Z1 18GY
UNDERHOOD LAMP (8W-44-4)
Z1 18GY
Z1 12GY
HEATER BLOWER MOTOR (8W-42-3)
Z1 12GY
G101
8W-15-2
C101
A21 14DB
9
IGNITION SWITCH OUTPUT (RUN/START)
POWERTRAIN CONTROL MODULE
S121
A21 12DB
C145
FUSE 11
FUSE 12
POWER DISTRIBUTION CENTER
A21 12DB
FUEL PUMP RELAY (8W-11-8)
A21 12DB
C140
A21 12YL
A21 12DB
AUTOMATIC SHUT DOWN RELAY (8W-30-6)
SPLICE S205 (8W-70-13)

J958W-13

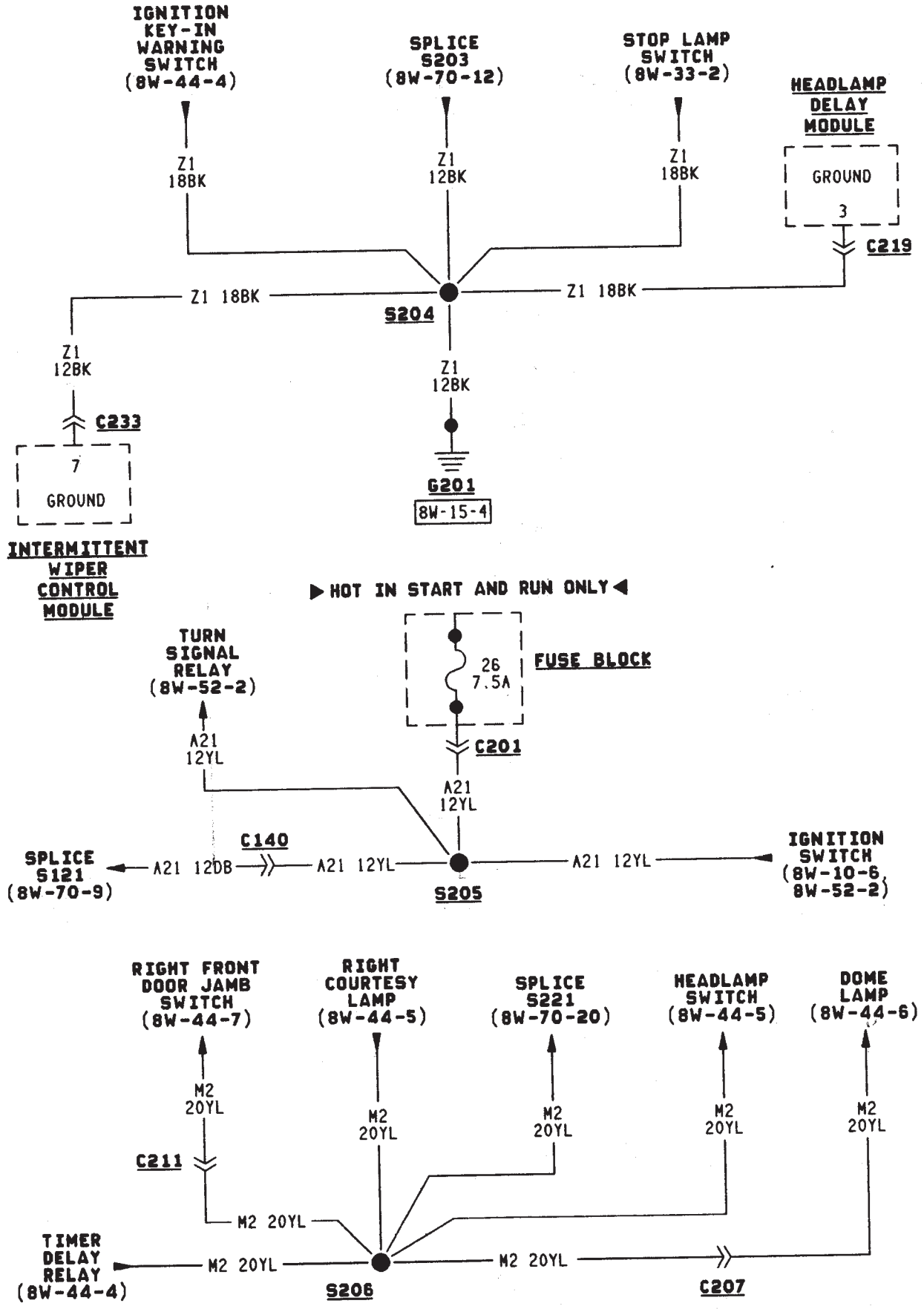

SPLICE S119 (8W-70-9)
ABS PUMP MOTOR RELAY (8W-11-7)
ABS POWER RELAY (8W-11-6)
ABS HYDRAULIC ACTUATION UNIT (8W-32-6)
B235 14GY/YL
B205 18VT
B235 14GY YL
B235 14GY YL
B235 14GY YL
C131
C131
S122
B235 14GY/YL
(2)
D101 DIODE
(1)
B235 14GY YL
B235 14GY YL
C126
33
3
ABS POWER RELAY OUTPUT
ANTI-LOCK BRAKE SYSTEM MODULE
▶HOT AT ALL TIMES◀
FUSE 1 60A
FUSE 9 60A
POWER DISTRIBUTION CENTER
GENERATOR (8W-20-2)
C145
BLACK
A11 10BK GY
A11 10BK GY
A11 8BK WT
S123
A11 8BK/GY
DISTRIBUTOR IGNITION COIL (8W-30-11)
SPLICE S116 (8W-70-8)
FOG LAMP RELAY (8W-50-10)
LEFT FOG LAMP (8W-50-10)
RIGHT FOG LAMP (8W-50-10)
A142 16DG OR
A142 14DG OR
C147
A142 16DG OR
S124
117 14LG BK
117 14LG BK
117 14LG BK
S125
A142 18DG OR
GENERATOR (8W-20-2)

J958W-13

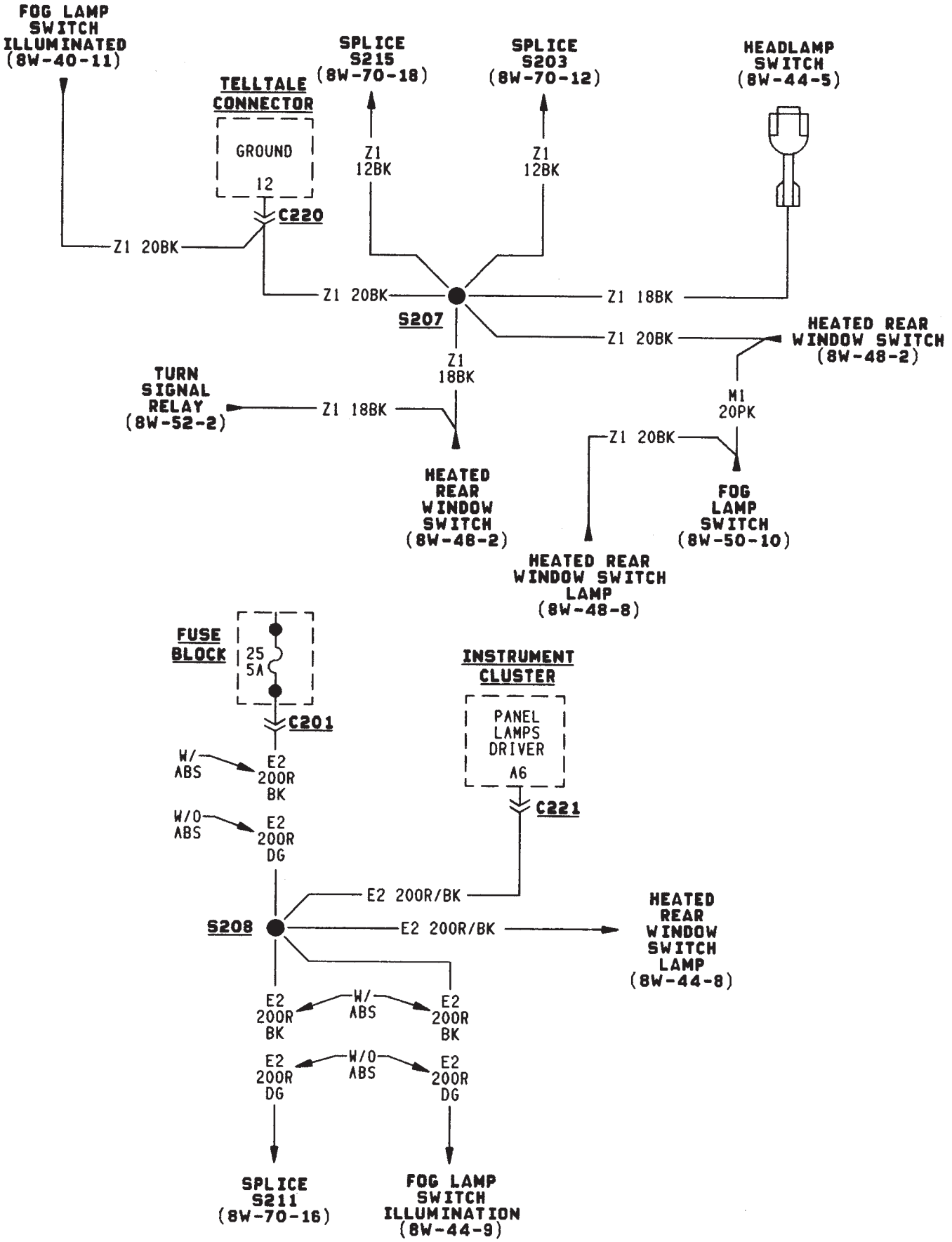

FOG LAMP RELAY (8W-50-10)
LEFT FOG LAMP (8W-50-10)
LEFT HEADLAMP (8W-50-5)
RIGHT HEADLAMP (8W-50-5)
RIGHT FOG LAMP (8W-50-10)
SPLICE S102 (8W-70-2)
Z1 18BK
Z1 16BK
Z1 18BK
Z1 18BK
Z1 16BK
Z1 16GY
C102
S126
Z1 16BK
Z1 16BK
Z1 18BK
DIMMING MODULE (8W-50-9)
L90 18DB RD
TELLTALE CONNECTOR (8W-40-11)
L90 18DB RD
LCD ILLUMINATION RELAY (8W-47-3)
L90 18DB RD
C140
L90 18DB RD
C102
L90 18DB/RD
LEFT PARK AND TURN SIGNAL LAMP (8W-50-5)
LEFT SIDE MARKER LAMP (8W-50-5)
RIGHT PARK AND TURN SIGNAL LAMP (8W-50-5)
RIGHT SIDE MARKER LAMP (8W-50-5)
L90 18DB RD
L90 18DB RD
L90 18DB RD
L90 18DB RD
S127


▶HOT AT ALL TIMES◀
FUSE 5
40A
POWER
DISTRIBUTION
CENTER
C145
A3
12RD
WT
▶HOT AT ALL TIMES◀
10
15A
9
15A
FUSE BLOCK
C201
A3
12RD
WT
HEADLAMP
SWITCH
(8W-10-5,
8W-11-5)
A3
12RD
WT
C140
A3 12RD/WT
S201
▶HOT IN RUN AND ACC ONLY◀
3
5A
4
30A
13
15A
12
30A
FUSE BLOCK
C201
IGNITION
SWITCH
(8W-10-11)
A48
12VT
A48
12VT
A48
12VT
A48
12VT
S202
CHIME/BUZZER
MODULE
GROUND
3
C202
SPLICE
S207
(8W-70-14)
SPLICE
S204
(8W-70-13)
DOME/
READING
LAMPS
(8W-44-6)
Z1
20BK
C209
Z1
12BK
Z1
12BK
Z1
18BK
Z1 14BK
C207
Z1
14BK
SPLICE
S309
(8W-70-26)
S203
Z1 20BK
Z1
20BK
Z1
14BK
RIGHT FRONT
DOOR JAMB
SWITCH
(8W-44-7)
Z1 20BK
C211
C203
Z1 14BK
SPLICE
S307
(8W-70-25)

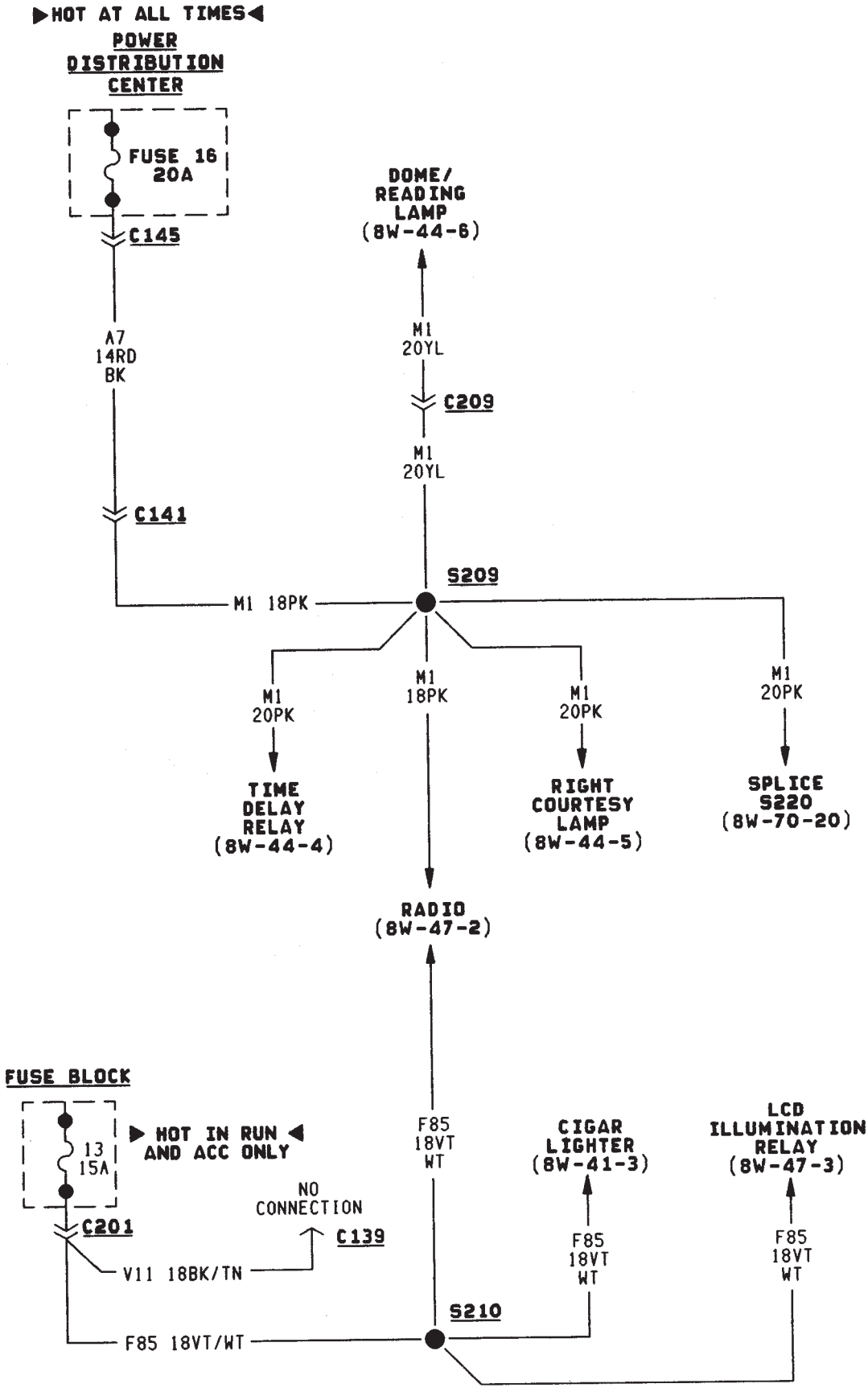
J958W-13


IGNITION KEY-IN WARNING SWITCH (8W-44-4)
SPLICE S203 (8W-70-12)
STOP LAMP SWITCH (8W-33-2)
HEADLAMP DELAY MODULE
GROUND
3
C219
Z1 18BK
Z1 12BK
Z1 18BK
Z1 18BK
S204
Z1 12BK
Z1 12BK
C233
7
GROUND
G201
8W-15-4
INTERMITTENT WIPER CONTROL MODULE
▶ HOT IN START AND RUN ONLY ◀
TURN SIGNAL RELAY (8W-52-2)
26 7.5A
FUSE BLOCK
C201
A21 12YL
A21 12YL
C140
SPLICE S121 (8W-70-9)
A21 12DB
A21 12YL
A21 12YL
S205
IGNITION SWITCH (8W-10-6, 8W-52-2)
RIGHT FRONT DOOR JAMB SWITCH (8W-44-7)
RIGHT COURTESY LAMP (8W-44-5)
SPLICE S221 (8W-70-20)
HEADLAMP SWITCH (8W-44-5)
DOME LAMP (8W-44-6)
M2 20YL
M2 20YL
M2 20YL
M2 20YL
M2 20YL
C211
M2 20YL
TIMER DELAY RELAY (8W-44-4)
M2 20YL
M2 20YL
S206
C207

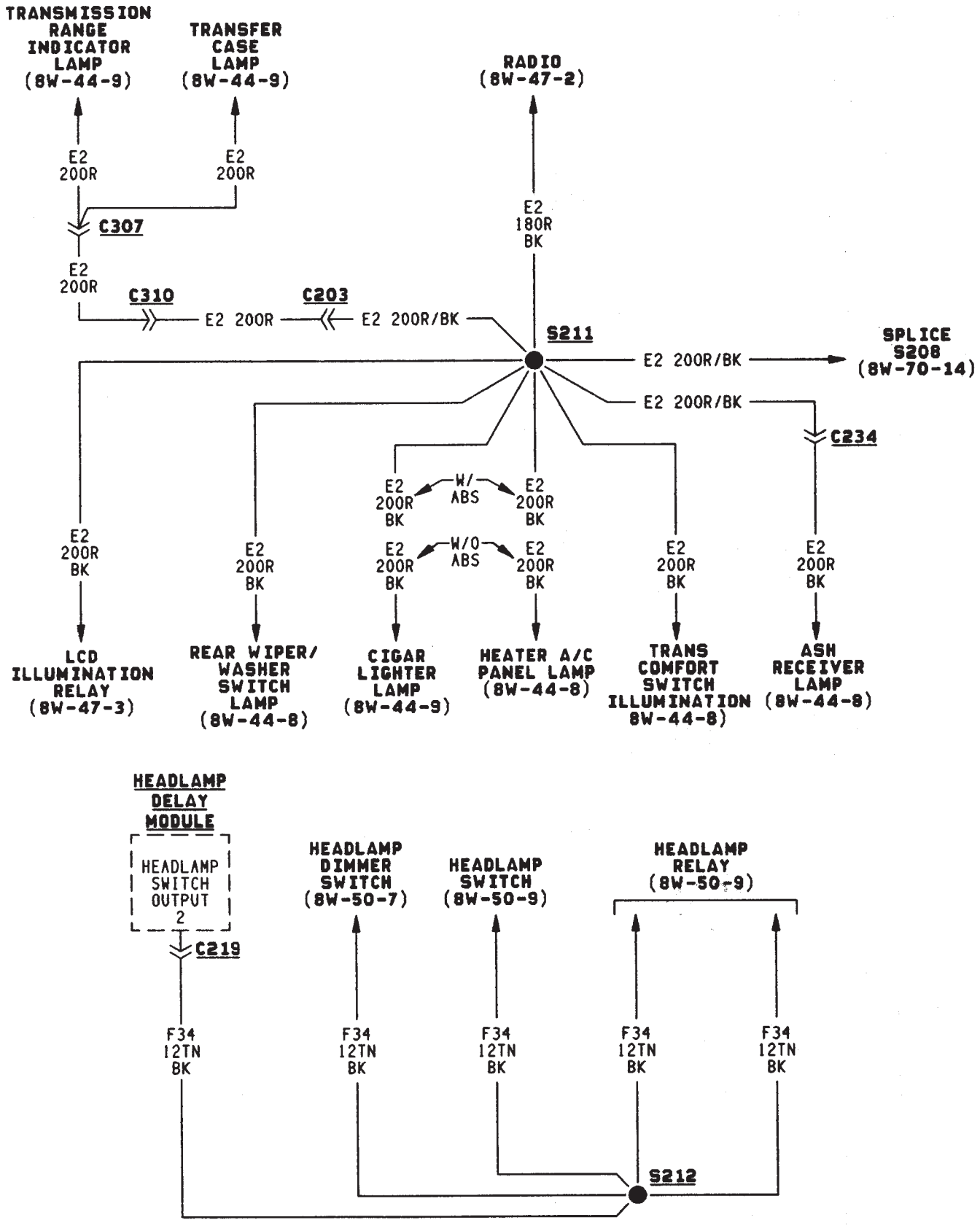
J958W-13


FOG LAMP SWITCH ILLUMINATED (8W-40-11)
TELLTALE CONNECTOR
GROUND
12
C220
Z1 20BK
SPLICE S215 (8W-70-18)
Z1 12BK
SPLICE S203 (8W-70-12)
Z1 12BK
HEADLAMP SWITCH (8W-44-5)
Z1 20BK
Z1 18BK
S207
Z1 20BK
HEATED REAR WINDOW SWITCH (8W-48-2)
Z1 18BK
TURN SIGNAL RELAY (8W-52-2)
Z1 18BK
M1 20PK
Z1 20BK
HEATED REAR WINDOW SWITCH (8W-48-2)
FOG LAMP SWITCH (8W-50-10)
HEATED REAR WINDOW SWITCH LAMP (8W-48-8)
FUSE BLOCK
25 5A
C201
W/ ABS
E2 200R BK
W/O ABS
E2 200R DG
INSTRUMENT CLUSTER
PANEL LAMPS DRIVER
A6
C221
E2 200R/BK
S208
E2 200R/BK
HEATED REAR WINDOW SWITCH LAMP (8W-44-8)
E2 200R BK
W/ ABS
E2 200R BK
E2 200R DG
W/O ABS
E2 200R DG
SPLICE S211 (8W-70-16)
FOG LAMP SWITCH ILLUMINATION (8W-44-9)

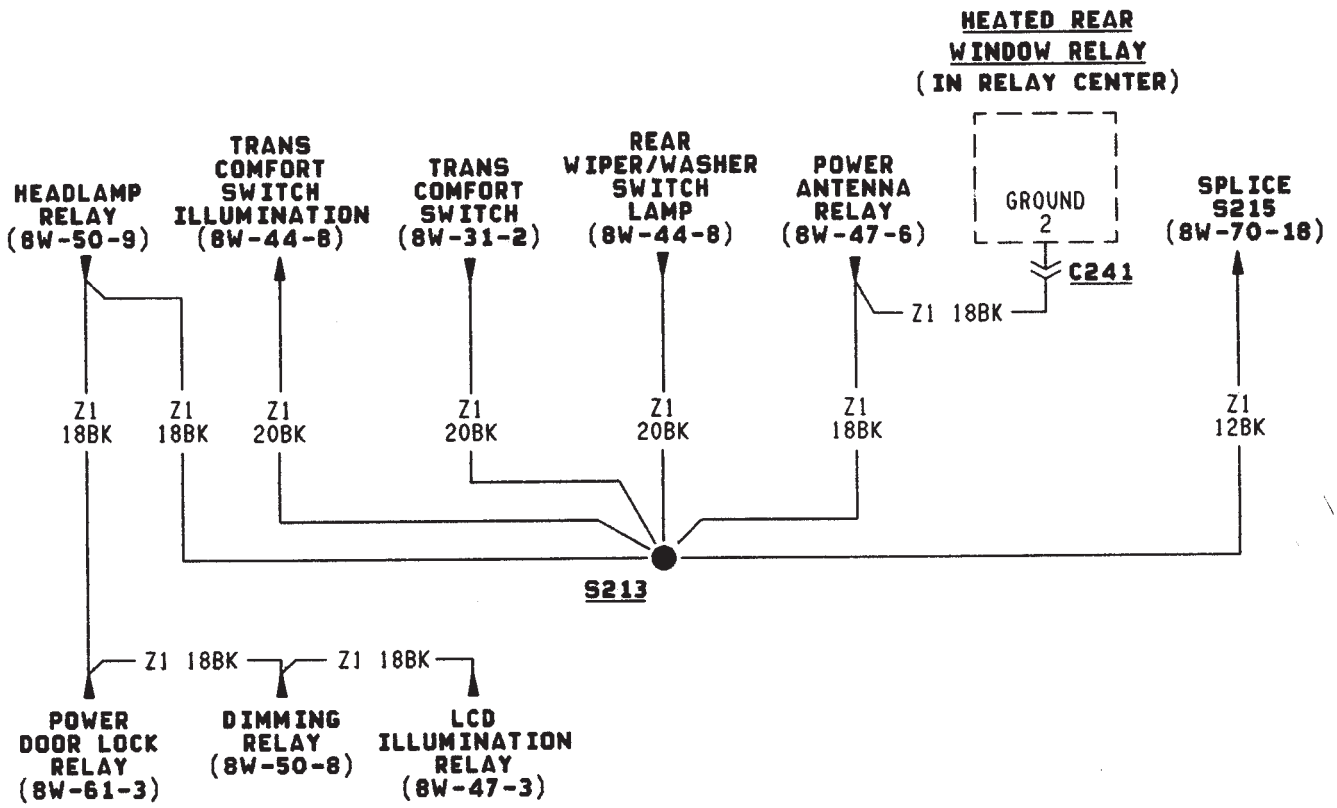
J958W-13

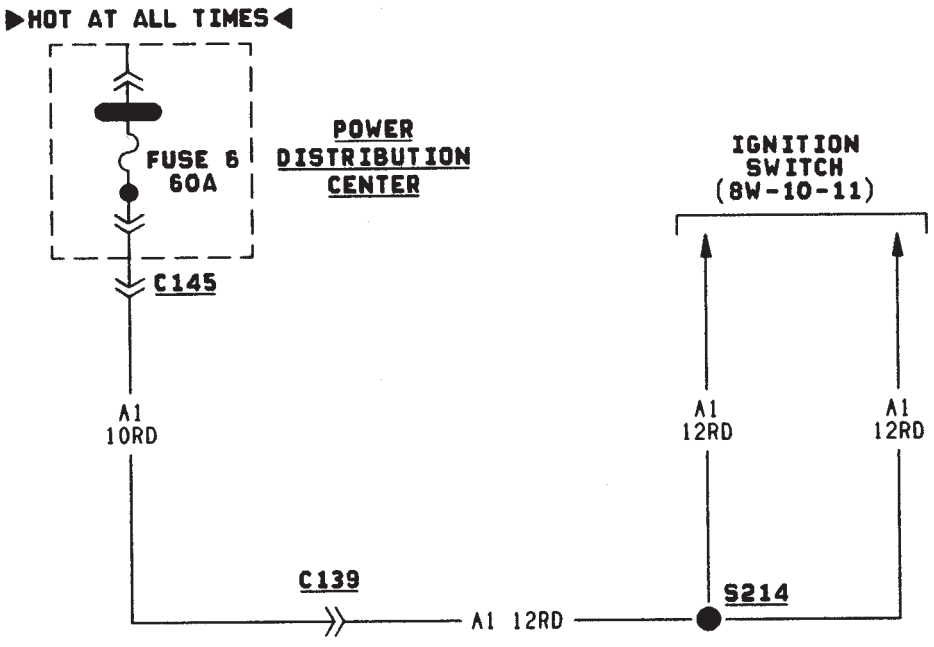

▶HOT AT ALL TIMES◀
POWER DISTRIBUTION CENTER
FUSE 16 20A
C145
A7 14RD BK
C141
DOME/ READING LAMP (8W-44-6)
M1 20YL
C209
M1 20YL
S209
M1 18PK
M1 20PK
TIME DELAY RELAY (8W-44-4)
M1 18PK
M1 20PK
RIGHT COURTESY LAMP (8W-44-5)
M1 20PK
SPLICE S220 (8W-70-20)
RADIO (8W-47-2)
FUSE BLOCK
13 15A
▶HOT IN RUN AND ACC ONLY◀
C201
V11 18BK/TN
NO CONNECTION
C139
F85 18VT WT
CIGAR LIGHTER (8W-41-3)
F85 18VT WT
LCD ILLUMINATION RELAY (8W-47-3)
F85 18VT WT
S210
F85 18VT/WT

J958W-13

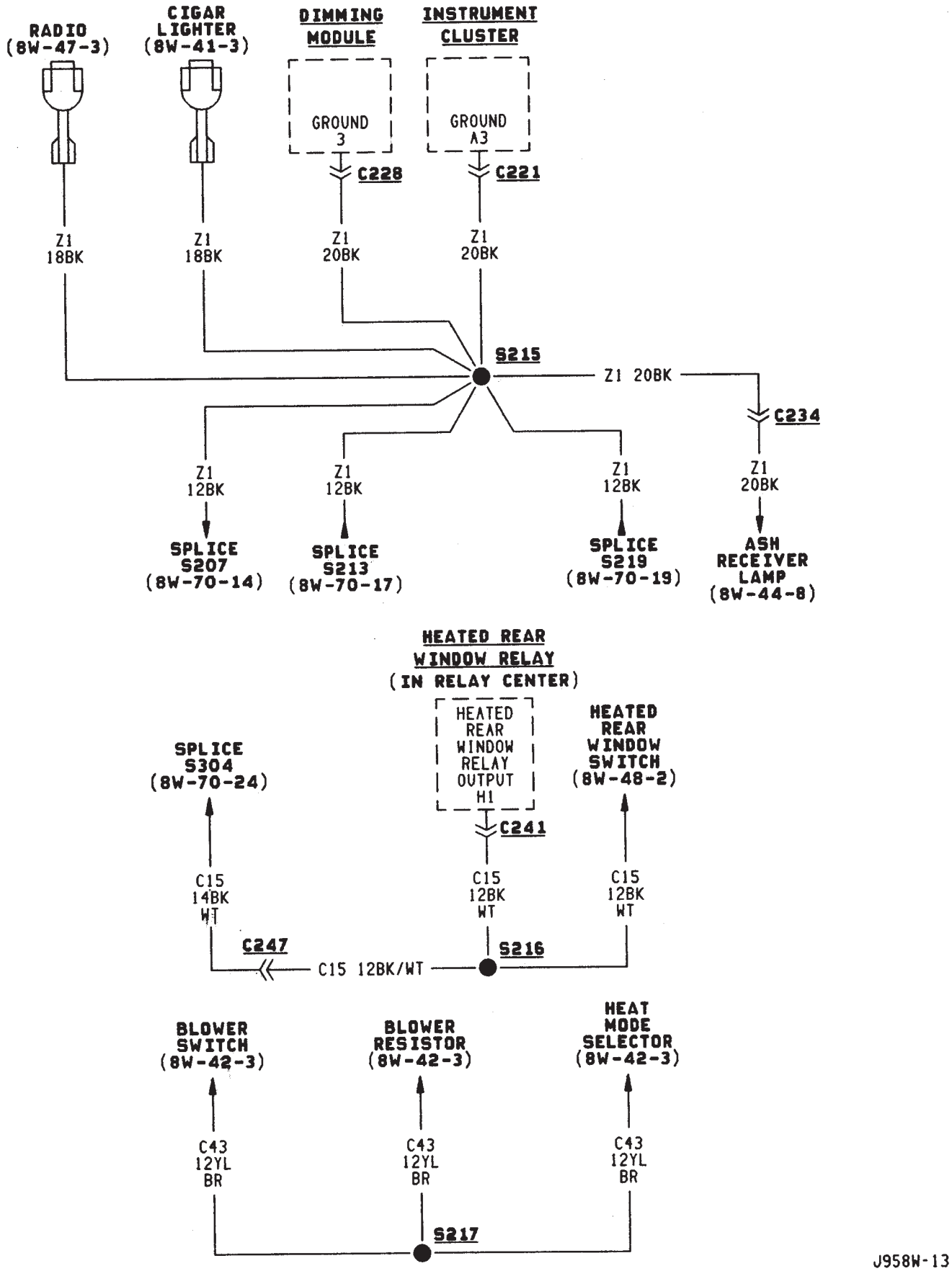

TRANSMISSION RANGE INDICATOR LAMP (8W-44-9)
TRANSFER CASE LAMP (8W-44-9)
RADIO (8W-47-2)
E2 200R
E2 200R
E2 180R BK
C307
E2 200R
C310
E2 200R
C203
E2 200R/BK
S211
SPLICE S208 (8W-70-14)
E2 200R/BK
E2 200R/BK
C234
E2 200R BK
W/ ABS
E2 200R BK
E2 200R BK
W/O ABS
E2 200R BK
E2 200R BK
E2 200R BK
E2 200R BK
LCD ILLUMINATION RELAY (8W-47-3)
REAR WIPER/ WASHER SWITCH LAMP (8W-44-8)
CIGAR LIGHTER LAMP (8W-44-9)
HEATER A/C PANEL LAMP (8W-44-8)
TRANS COMFORT SWITCH ILLUMINATION 8W-44-8)
ASH RECEIVER LAMP (8W-44-8)
HEADLAMP DELAY MODULE
HEADLAMP SWITCH OUTPUT 2
C219
HEADLAMP DIMMER SWITCH (8W-50-7)
HEADLAMP SWITCH (8W-50-9)
HEADLAMP RELAY (8W-50-9)
F34 12TN BK
F34 12TN BK
F34 12TN BK
F34 12TN BK
F34 12TN BK
S212

J958W-13

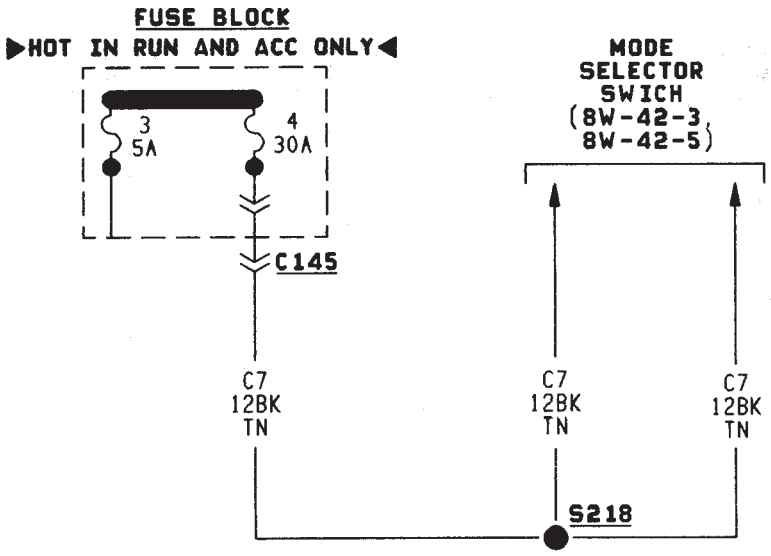

HEATED REAR WINDOW RELAY (IN RELAY CENTER)
GROUND 2
C241
Z1 18BK
HEADLAMP RELAY (8W-50-9)
TRANS COMFORT SWITCH ILLUMINATION (8W-44-8)
TRANS COMFORT SWITCH (8W-31-2)
REAR WIPER/WASHER SWITCH LAMP (8W-44-8)
POWER ANTENNA RELAY (8W-47-6)
SPLICE S215 (8W-70-18)
Z1 18BK
Z1 18BK
Z1 20BK
Z1 20BK
Z1 20BK
Z1 18BK
Z1 12BK
S213
Z1 18BK
Z1 18BK
POWER DOOR LOCK RELAY (8W-61-3)
DIMMING RELAY (8W-50-8)
LCD ILLUMINATION RELAY (8W-47-3)

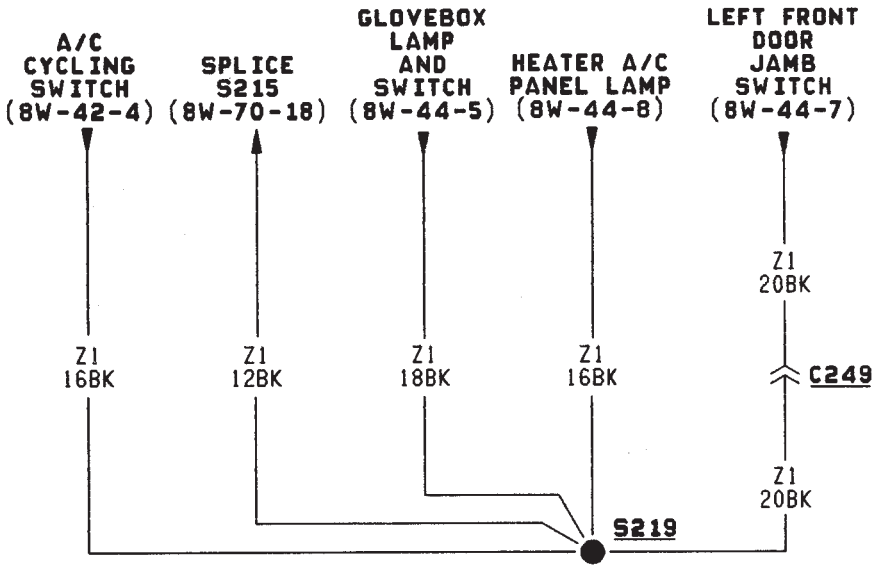

▶HOT AT ALL TIMES◀
FUSE 6 60A
POWER DISTRIBUTION CENTER
C145
A1 10RD
IGNITION SWITCH (8W-10-11)
A1 12RD
A1 12RD
C139
A1 12RD
S214

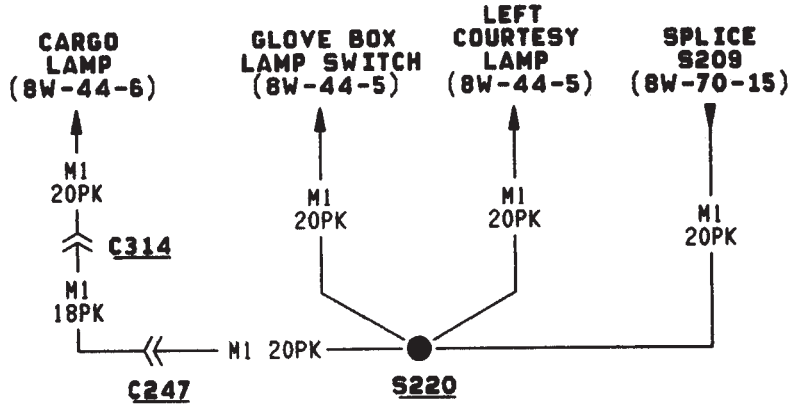
J958W-13

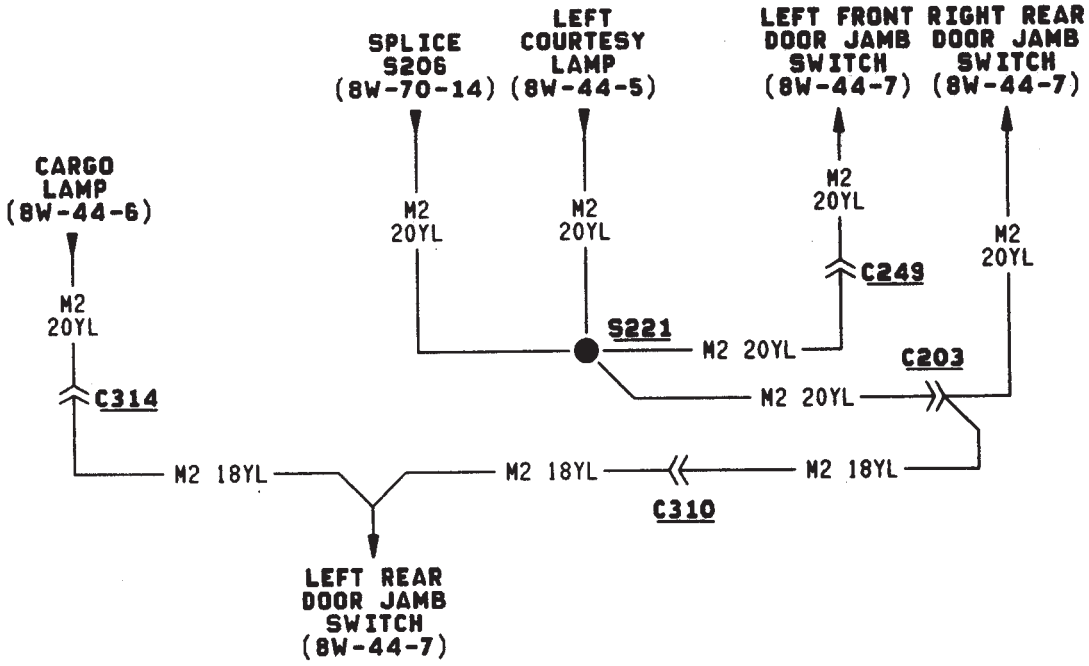

RADIO
(8W-47-3)
CIGAR LIGHTER
(8W-41-3)
DIMMING MODULE
GROUND 3
C228
INSTRUMENT CLUSTER
GROUND A3
C221
Z1 18BK
Z1 18BK
Z1 20BK
Z1 20BK
S215
Z1 20BK
C234
Z1 12BK
Z1 12BK
Z1 12BK
Z1 20BK
SPLICE S207 (8W-70-14)
SPLICE S213 (8W-70-17)
SPLICE S219 (8W-70-19)
ASH RECEIVER LAMP (8W-44-8)
HEATED REAR WINDOW RELAY
(IN RELAY CENTER)
HEATED REAR WINDOW RELAY OUTPUT H1
C241
HEATED REAR WINDOW SWITCH (8W-48-2)
SPLICE S304 (8W-70-24)
C15 14BK WT
C15 12BK WT
C15 12BK WT
C247
C15 12BK/WT
S216
BLOWER SWITCH (8W-42-3)
BLOWER RESISTOR (8W-42-3)
HEAT MODE SELECTOR (8W-42-3)
C43 12YL BR
C43 12YL BR
C43 12YL BR
S217

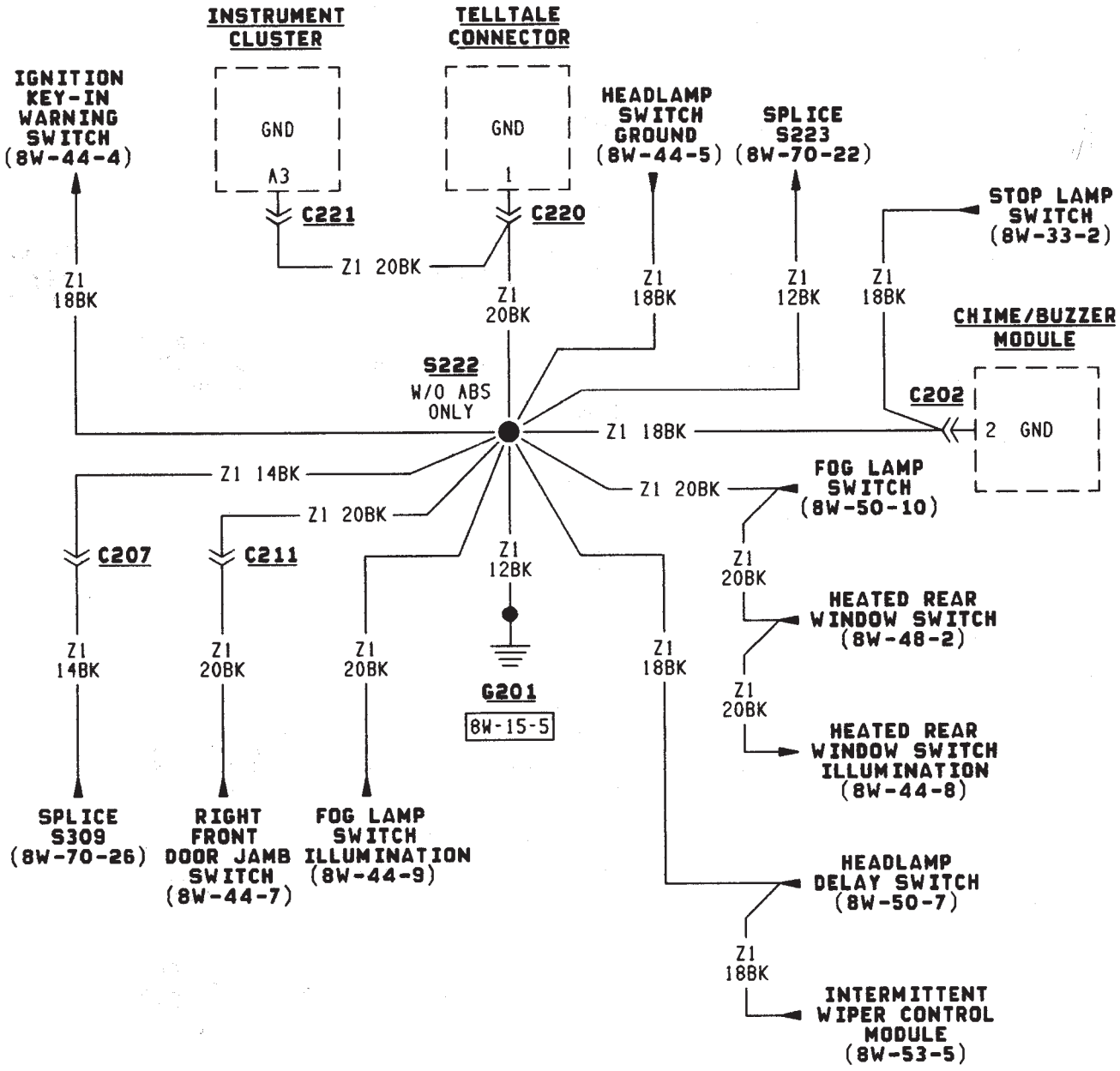
J958W-13

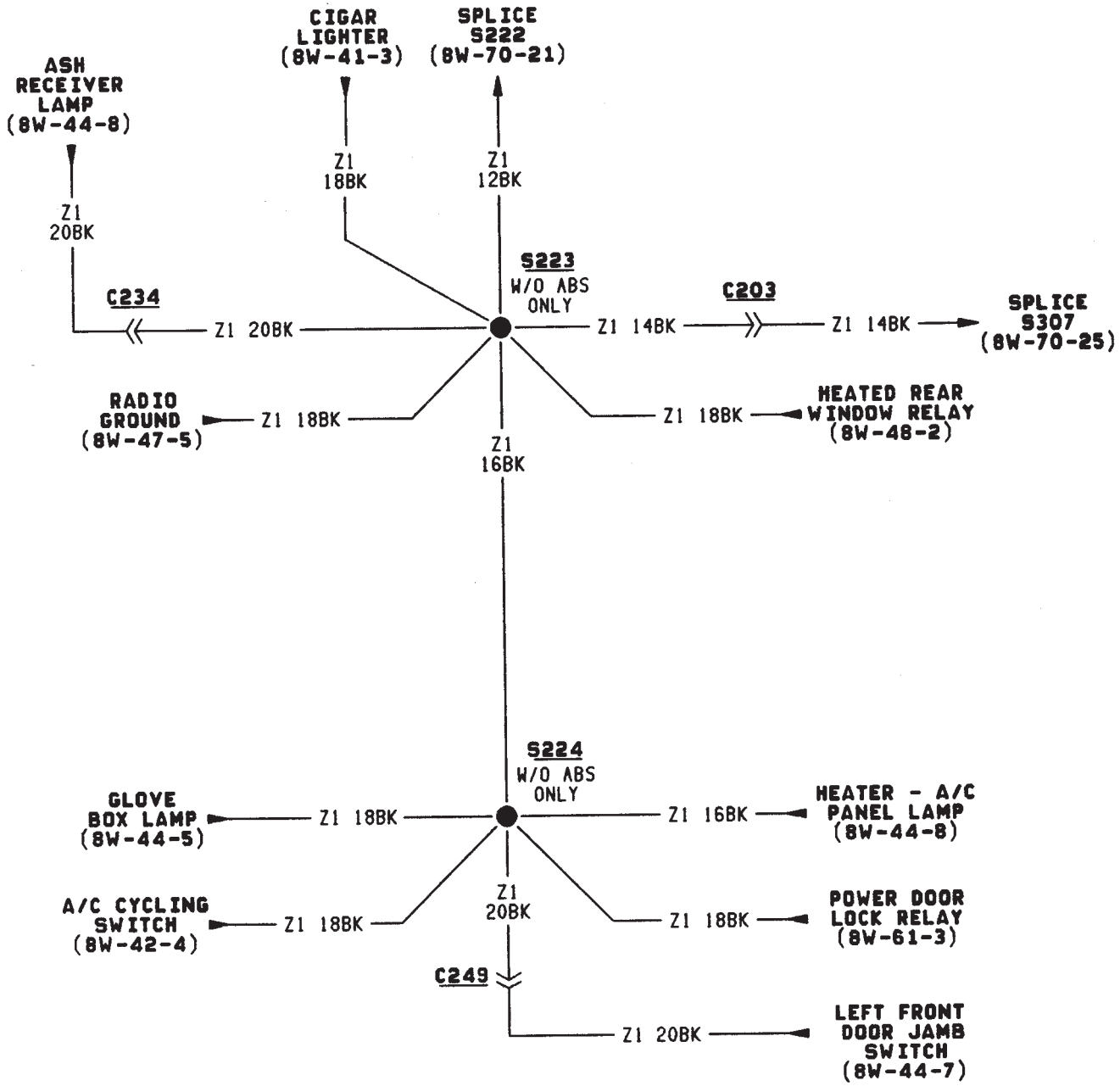

FUSE BLOCK
▶HOT IN RUN AND ACC ONLY◀
3
5A
4
30A
C145
C7
12BK
TN
MODE
SELECTOR
SWICH
(8W-42-3,
8W-42-5)
C7
12BK
TN
C7
12BK
TN
S218

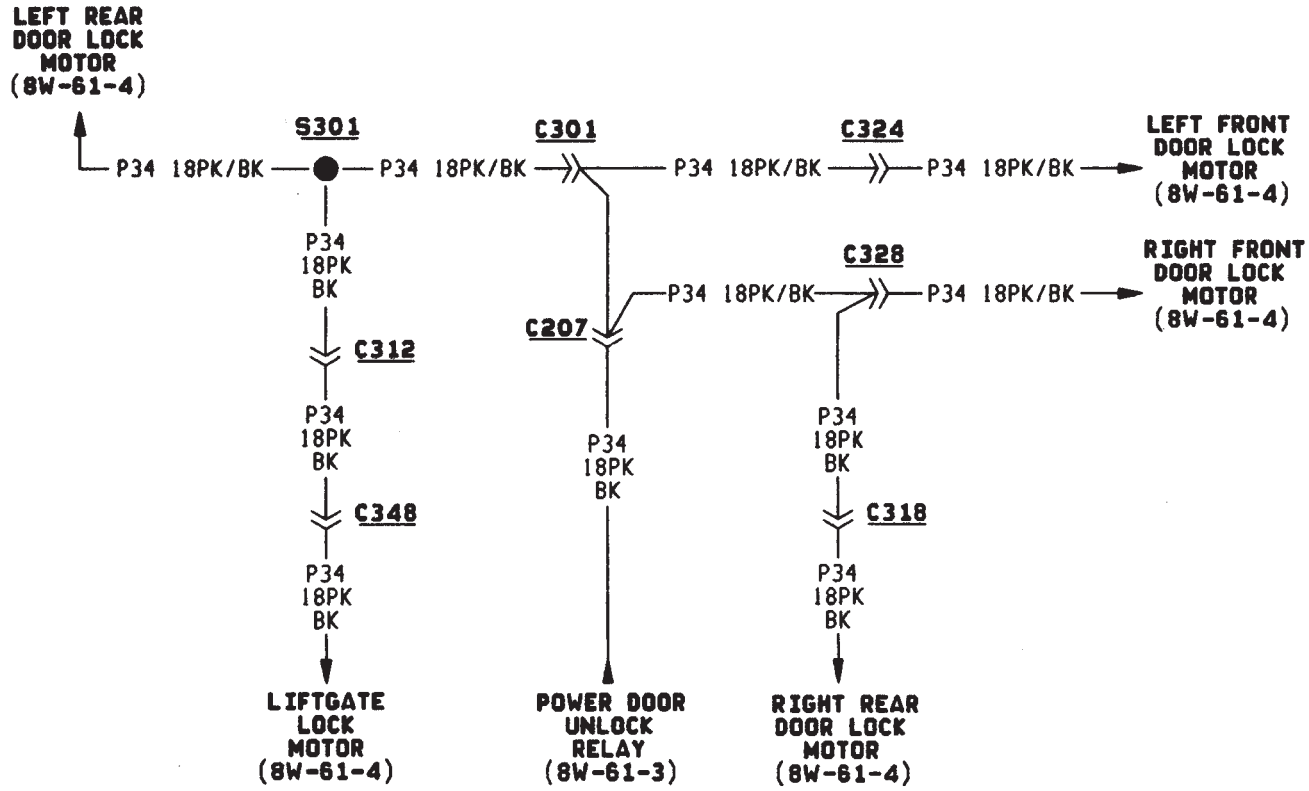

A/C
CYCLING
SWITCH
(8W-42-4)
SPLICE
S215
(8W-70-18)
GLOVEBOX
LAMP
AND
SWITCH
(8W-44-5)
HEATER A/C
PANEL LAMP
(8W-44-8)
LEFT FRONT
DOOR
JAMB
SWITCH
(8W-44-7)
Z1
16BK
Z1
12BK
Z1
18BK
Z1
16BK
Z1
20BK
C249
Z1
20BK
S219

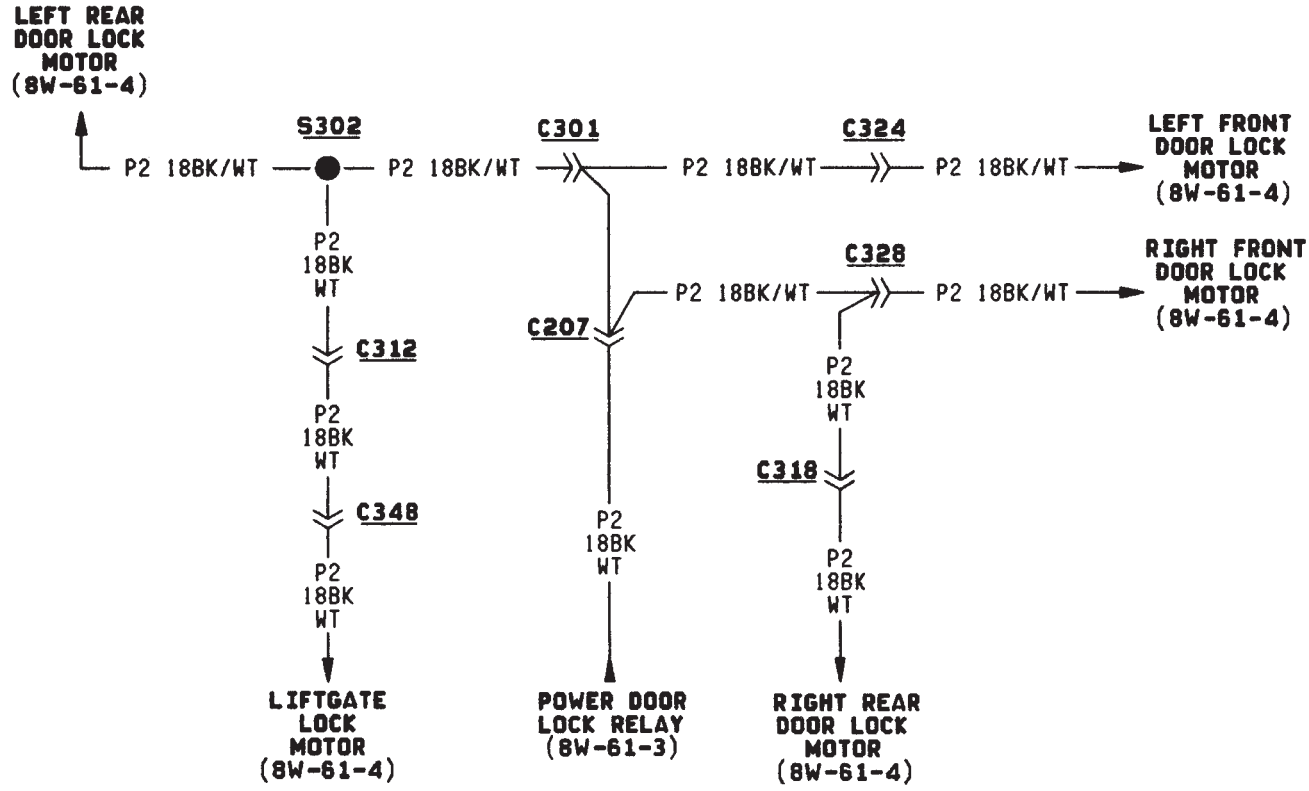

CARGO LAMP (8W-44-6)
GLOVE BOX LAMP SWITCH (8W-44-5)
LEFT COURTESY LAMP (8W-44-5)
SPLICE S209 (8W-70-15)
M1 20PK
C314
M1 18PK
M1 20PK
C247
S220


SPLICE S206 (8W-70-14)
LEFT COURTESY LAMP (8W-44-5)
LEFT FRONT DOOR JAMB SWITCH (8W-44-7)
RIGHT REAR DOOR JAMB SWITCH (8W-44-7)
CARGO LAMP (8W-44-6)
M2 20YL
C314
C249
S221
C203
M2 18YL
C310
LEFT REAR DOOR JAMB SWITCH (8W-44-7)

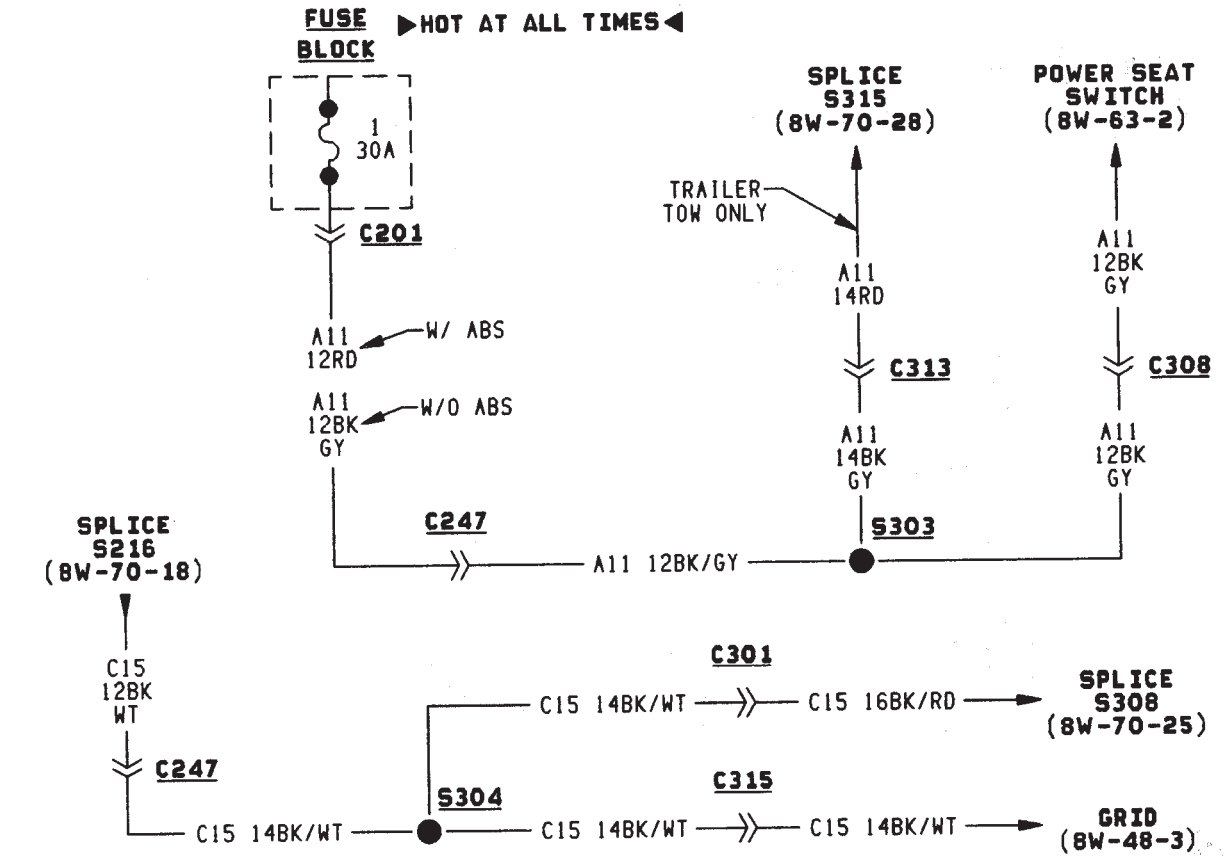

INSTRUMENT CLUSTER
TELLTALE CONNECTOR
IGNITION KEY-IN WARNING SWITCH (8W-44-4)
GND
A3
GND
1
HEADLAMP SWITCH GROUND (8W-44-5)
SPLICE S223 (8W-70-22)
STOP LAMP SWITCH (8W-33-2)
C221
C220
Z1 20BK
Z1 18BK
Z1 20BK
Z1 18BK
Z1 12BK
Z1 18BK
CHIME/BUZZER MODULE
S222
W/O ABS ONLY
C202
2 GND
Z1 18BK
Z1 14BK
Z1 20BK
Z1 20BK
FOG LAMP SWITCH (8W-50-10)
C207
C211
Z1 12BK
Z1 20BK
HEATED REAR WINDOW SWITCH (8W-48-2)
Z1 14BK
Z1 20BK
Z1 20BK
Z1 18BK
Z1 20BK
G201
8W-15-5
HEATED REAR WINDOW SWITCH ILLUMINATION (8W-44-8)
SPLICE S309 (8W-70-26)
RIGHT FRONT DOOR JAMB SWITCH (8W-44-7)
FOG LAMP SWITCH ILLUMINATION (8W-44-9)
HEADLAMP DELAY SWITCH (8W-50-7)
Z1 18BK
INTERMITTENT WIPER CONTROL MODULE (8W-53-5)

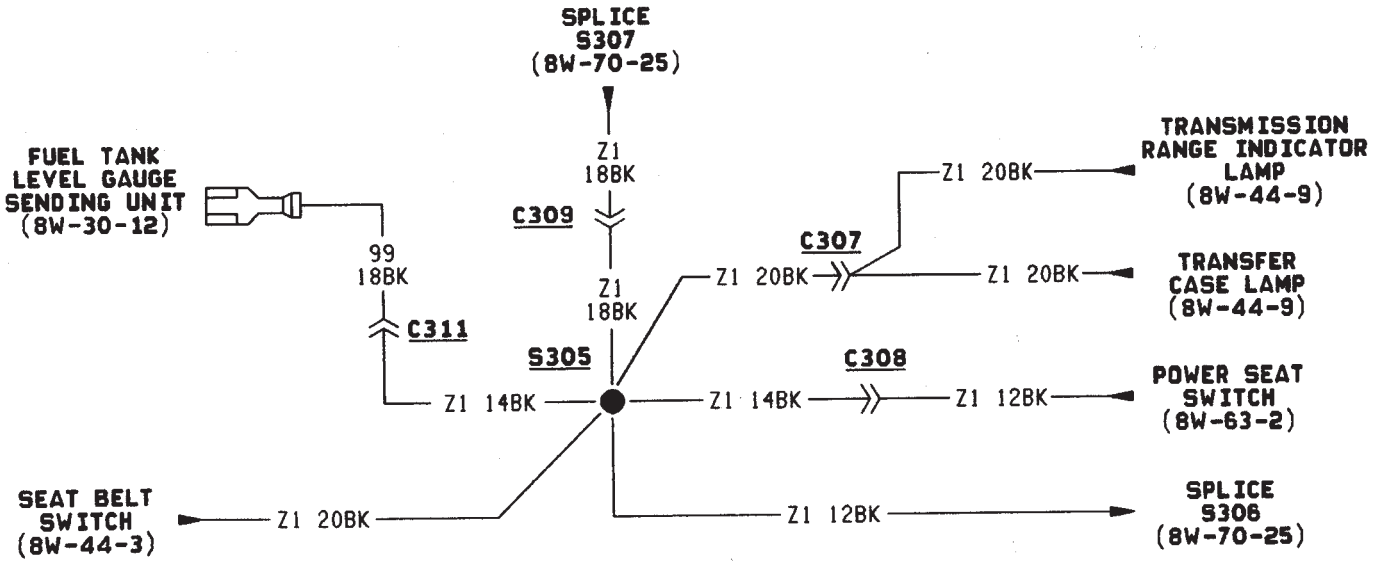

CIGAR LIGHTER (8W-41-3)
SPLICE S222 (8W-70-21)
ASH RECEIVER LAMP (8W-44-8)
Z1 18BK
Z1 12BK
Z1 20BK
S223
W/O ABS ONLY
C234
C203
Z1 20BK
Z1 14BK
Z1 14BK
SPLICE S307 (8W-70-25)
RADIO GROUND (8W-47-5)
Z1 18BK
Z1 18BK
HEATED REAR WINDOW RELAY (8W-48-2)
Z1 16BK
S224
W/O ABS ONLY
GLOVE BOX LAMP (8W-44-5)
Z1 18BK
Z1 16BK
HEATER - A/C PANEL LAMP (8W-44-8)
A/C CYCLING SWITCH (8W-42-4)
Z1 18BK
Z1 20BK
Z1 18BK
POWER DOOR LOCK RELAY (8W-61-3)
C249
Z1 20BK
LEFT FRONT DOOR JAMB SWITCH (8W-44-7)

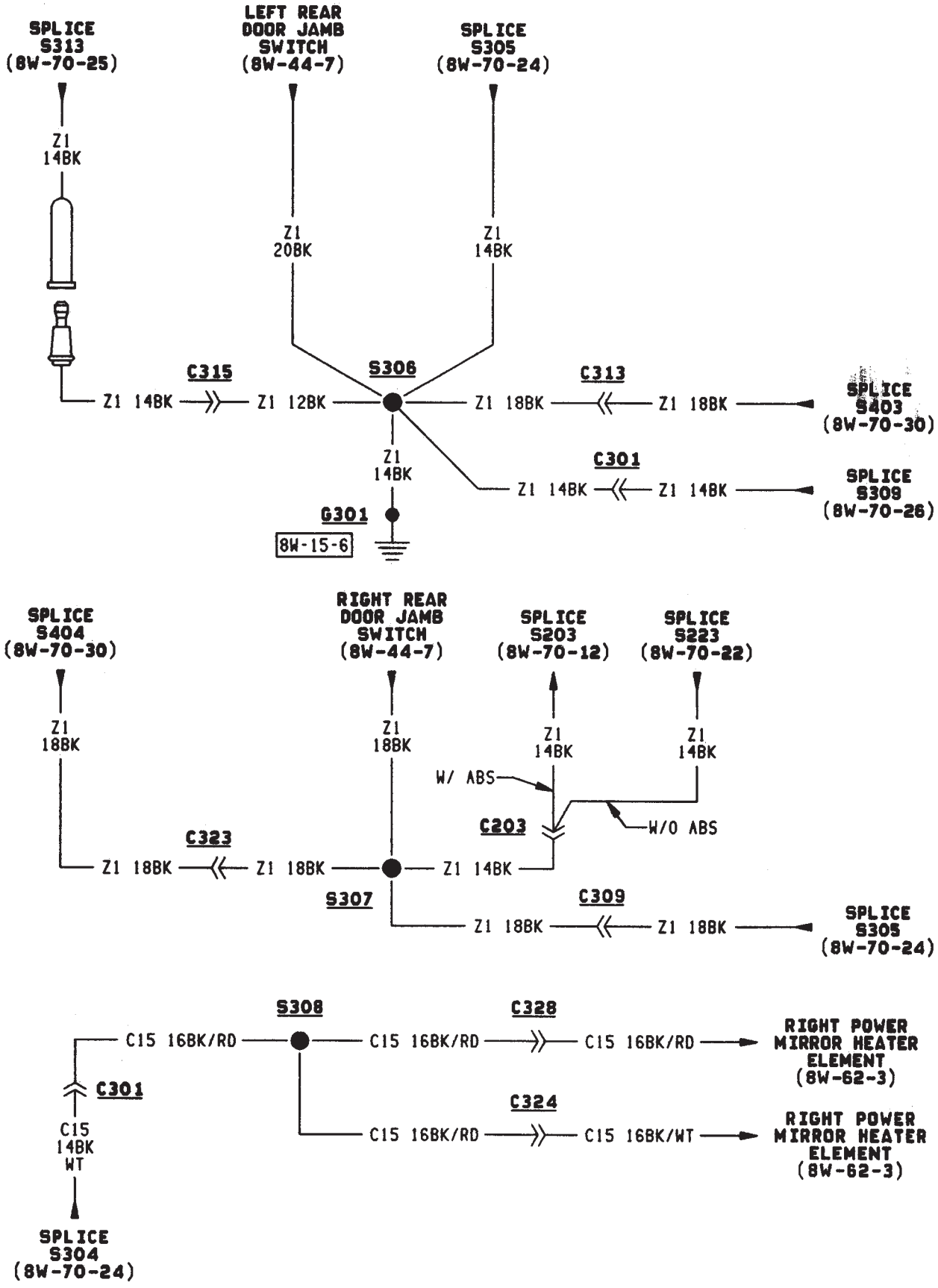

LEFT REAR DOOR LOCK MOTOR (8W-61-4)
S301
C301
C324
LEFT FRONT DOOR LOCK MOTOR (8W-61-4)
P34 18PK/BK
P34 18PK/BK
P34 18PK/BK
P34 18PK/BK
P34 18PK BK
C328
RIGHT FRONT DOOR LOCK MOTOR (8W-61-4)
P34 18PK/BK
P34 18PK/BK
C207
C312
P34 18PK BK
P34 18PK BK
P34 18PK BK
C348
C318
P34 18PK BK
P34 18PK BK
LIFTGATE LOCK MOTOR (8W-61-4)
POWER DOOR UNLOCK RELAY (8W-61-3)
RIGHT REAR DOOR LOCK MOTOR (8W-61-4)


LEFT REAR DOOR LOCK MOTOR (8W-61-4)
S302
C301
C324
LEFT FRONT DOOR LOCK MOTOR (8W-61-4)
P2 18BK/WT
P2 18BK/WT
P2 18BK/WT
P2 18BK/WT
P2 18BK WT
C328
RIGHT FRONT DOOR LOCK MOTOR (8W-61-4)
P2 18BK/WT
P2 18BK/WT
C207
C312
P2 18BK WT
P2 18BK WT
P2 18BK WT
C348
C318
P2 18BK WT
P2 18BK WT
LIFTGATE LOCK MOTOR (8W-61-4)
POWER DOOR LOCK RELAY (8W-61-3)
RIGHT REAR DOOR LOCK MOTOR (8W-61-4)

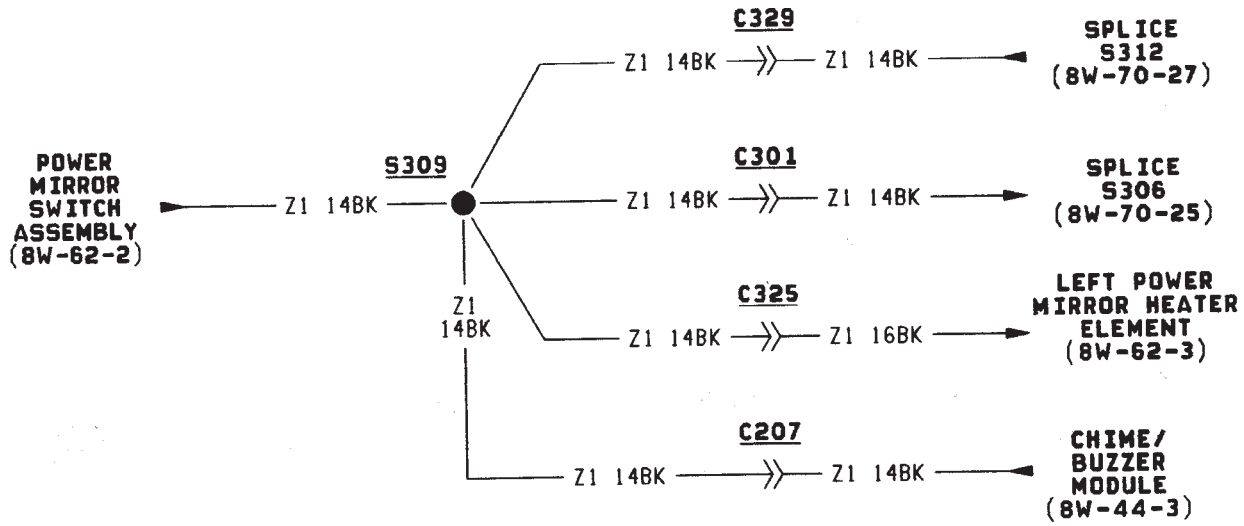
J958W-13

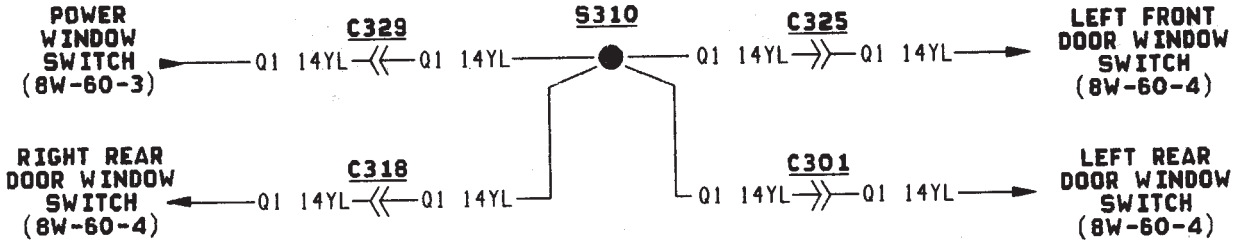

FUSE BLOCK
▶HOT AT ALL TIMES◀
1 30A
C201
A11 12RD
W/ ABS
A11 12BK GY
W/O ABS
SPLICE S315 (8W-70-28)
TRAILER TOW ONLY
A11 14RD
C313
A11 14BK GY
POWER SEAT SWITCH (8W-63-2)
A11 12BK GY
C308
A11 12BK GY
SPLICE S216 (8W-70-18)
C247
A11 12BK/GY
S303
C15 12BK WT
C247
C15 14BK/WT
S304
C301
C15 14BK/WT
C15 16BK/RD
SPLICE S308 (8W-70-25)
C315
C15 14BK/WT
C15 14BK/WT
GRID (8W-48-3)

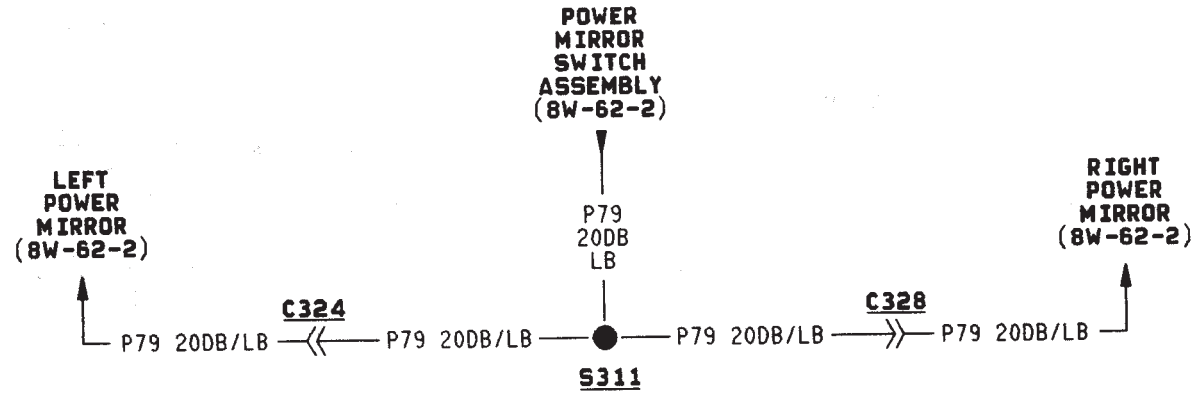

SPLICE S307 (8W-70-25)
Z1 18BK
C309
Z1 18BK
FUEL TANK LEVEL GAUGE SENDING UNIT (8W-30-12)
99 18BK
C311
S305
Z1 14BK
C307
Z1 20BK
TRANSMISSION RANGE INDICATOR LAMP (8W-44-9)
Z1 20BK
TRANSFER CASE LAMP (8W-44-9)
C308
Z1 14BK
Z1 12BK
POWER SEAT SWITCH (8W-63-2)
SEAT BELT SWITCH (8W-44-3)
Z1 20BK
Z1 12BK
SPLICE S306 (8W-70-25)


SPLICE S313 (8W-70-25)
Z1 14BK
LEFT REAR DOOR JAMB SWITCH (8W-44-7)
Z1 20BK
SPLICE S305 (8W-70-24)
Z1 14BK
C315
Z1 14BK
Z1 12BK
S306
Z1 18BK
C313
Z1 18BK
SPLICE S403 (8W-70-30)
Z1 14BK
C301
Z1 14BK
Z1 14BK
SPLICE S309 (8W-70-26)
G301
8W-15-6
SPLICE S404 (8W-70-30)
Z1 18BK
RIGHT REAR DOOR JAMB SWITCH (8W-44-7)
Z1 18BK
SPLICE S203 (8W-70-12)
Z1 14BK
SPLICE S223 (8W-70-22)
Z1 14BK
W/ ABS
W/O ABS
C203
C323
Z1 18BK
Z1 18BK
Z1 14BK
S307
C309
Z1 18BK
Z1 18BK
SPLICE S305 (8W-70-24)
S308
C328
C15 16BK/RD
C15 16BK/RD
C15 16BK/RD
RIGHT POWER MIRROR HEATER ELEMENT (8W-62-3)
C301
C15 14BK WT
C324
C15 16BK/RD
C15 16BK/WT
RIGHT POWER MIRROR HEATER ELEMENT (8W-62-3)
SPLICE S304 (8W-70-24)

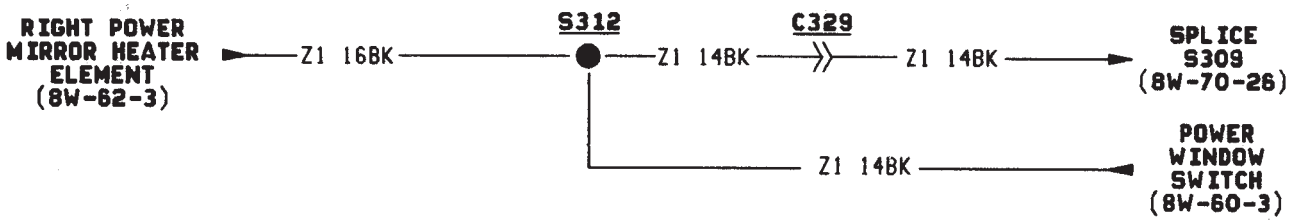
J958W-13

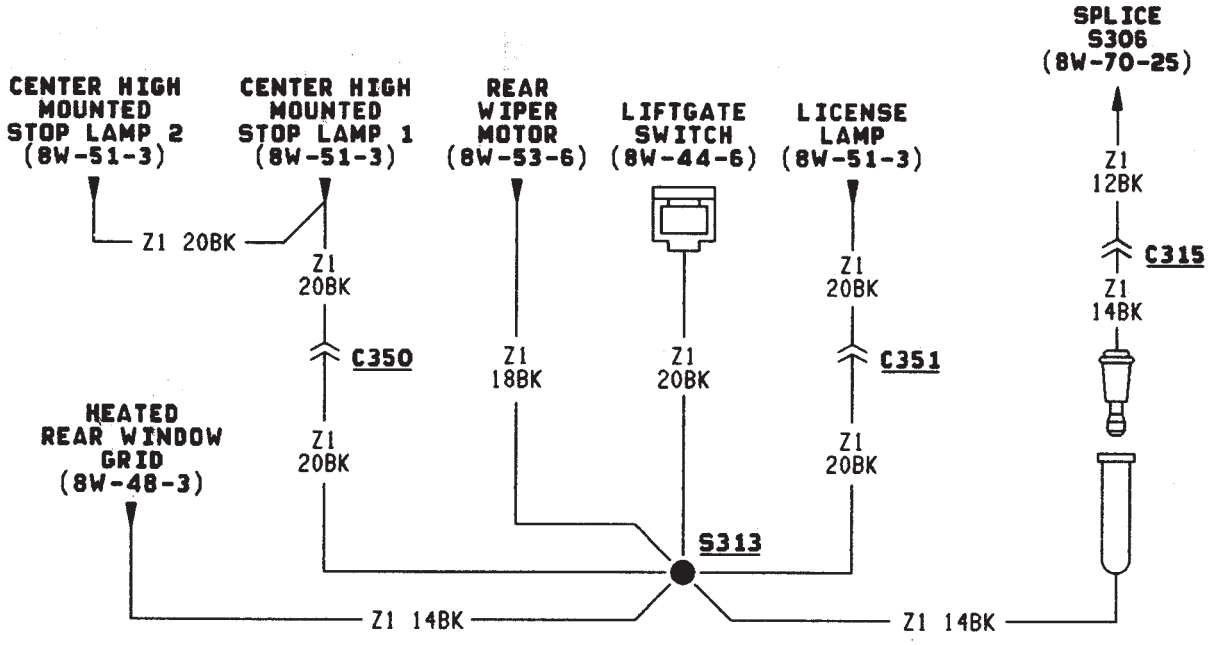

POWER MIRROR SWITCH ASSEMBLY (8W-62-2)
Z1 14BK
S309
C329
Z1 14BK
Z1 14BK
SPLICE S312 (8W-70-27)
C301
Z1 14BK
Z1 14BK
SPLICE S306 (8W-70-25)
Z1 14BK
C325
Z1 14BK
Z1 16BK
LEFT POWER MIRROR HEATER ELEMENT (8W-62-3)
C207
Z1 14BK
Z1 14BK
CHIME/ BUZZER MODULE (8W-44-3)

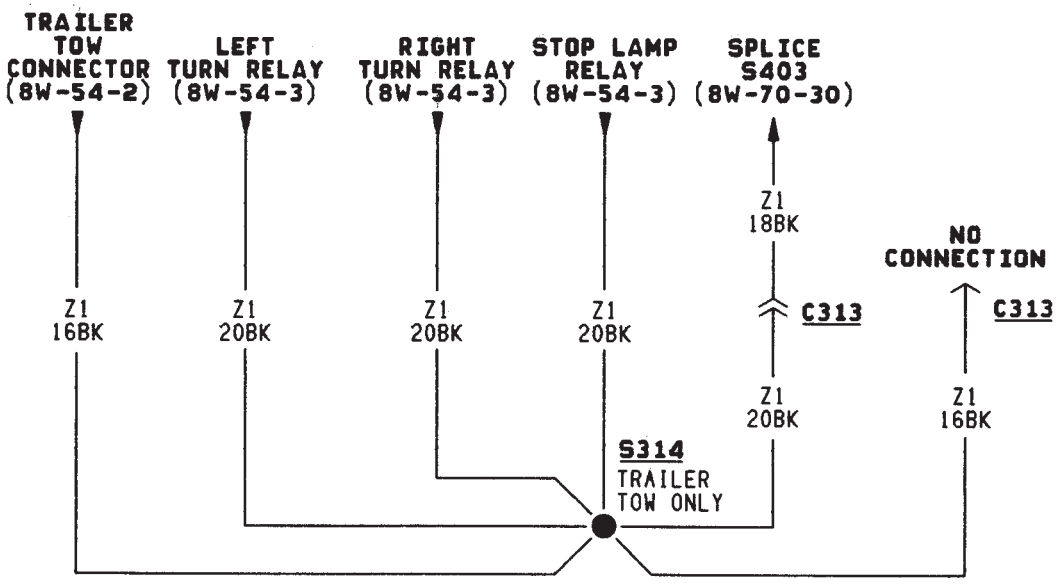

POWER WINDOW SWITCH (8W-60-3)
Q1 14YL
C329
Q1 14YL
S310
C325
Q1 14YL
Q1 14YL
LEFT FRONT DOOR WINDOW SWITCH (8W-60-4)
RIGHT REAR DOOR WINDOW SWITCH (8W-60-4)
Q1 14YL
C318
Q1 14YL
C301
Q1 14YL
Q1 14YL
LEFT REAR DOOR WINDOW SWITCH (8W-60-4)

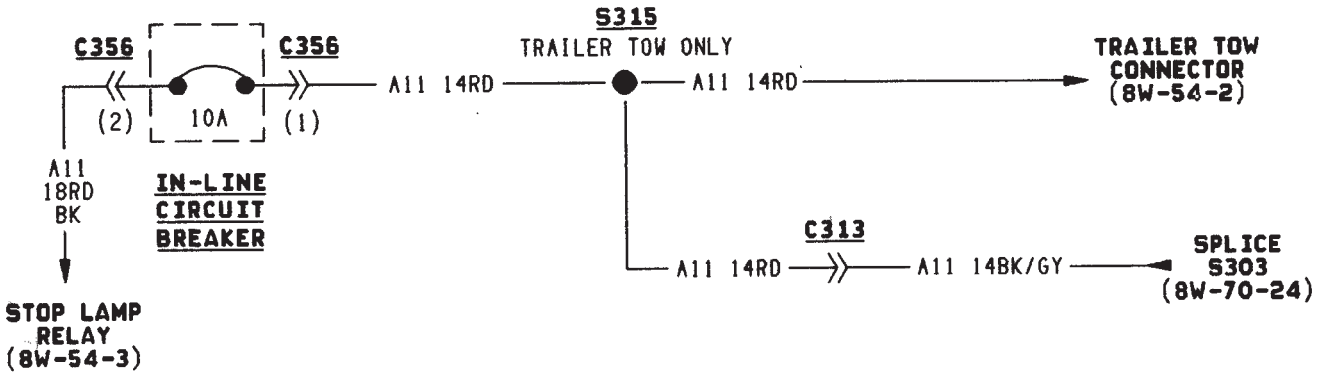

POWER MIRROR SWITCH ASSEMBLY (8W-62-2)
P79 20DB LB
LEFT POWER MIRROR (8W-62-2)
RIGHT POWER MIRROR (8W-62-2)
C324
P79 20DB/LB
P79 20DB/LB
P79 20DB/LB
C328
P79 20DB/LB
S311

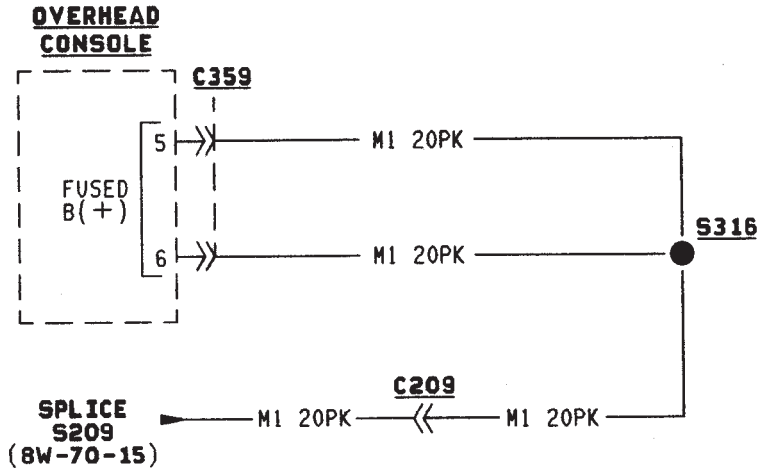
J958W-13

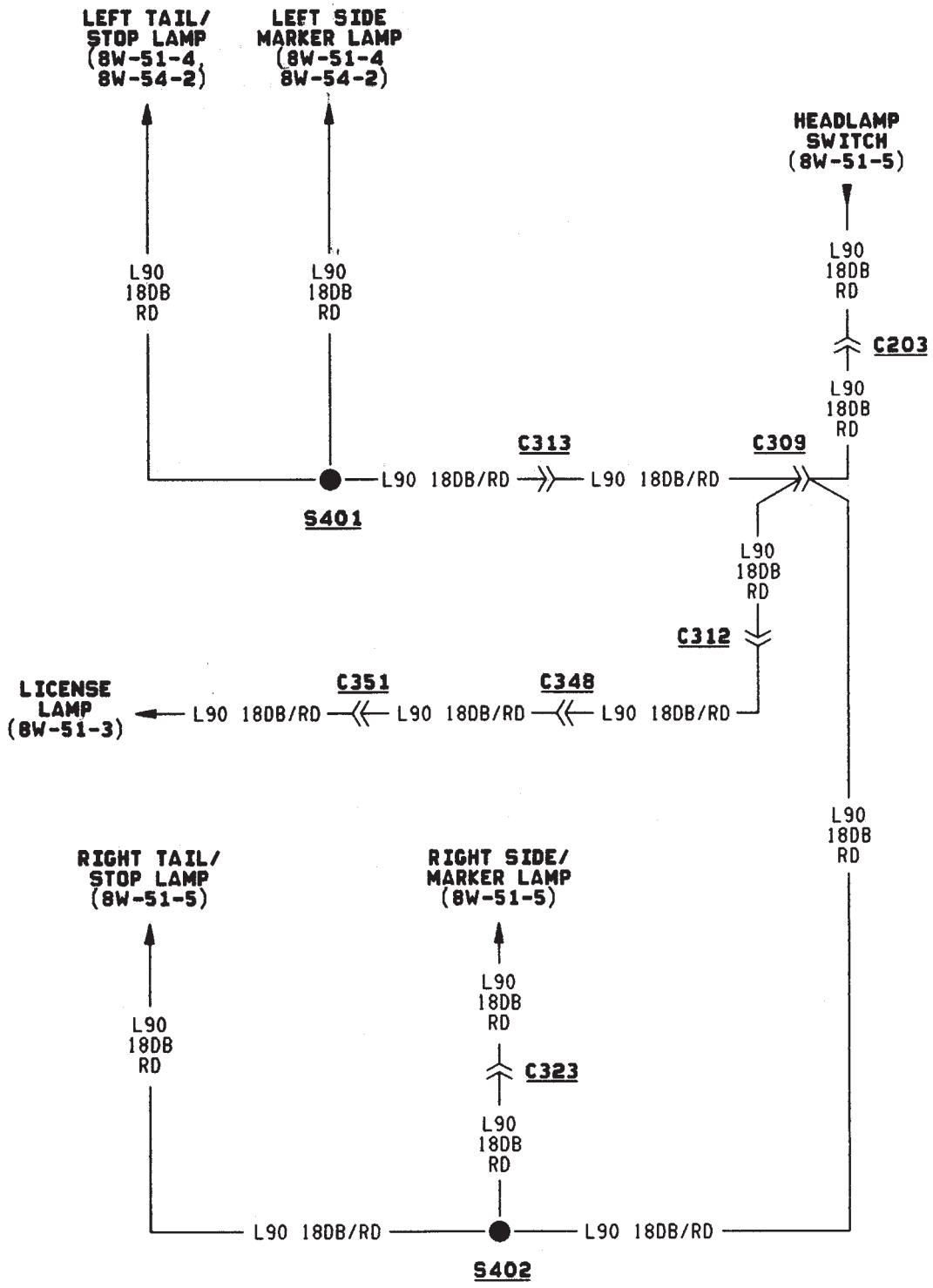

RIGHT POWER MIRROR HEATER ELEMENT (8W-62-3)
Z1 16BK
S312
Z1 14BK
C329
Z1 14BK
SPLICE S309 (8W-70-26)
Z1 14BK
POWER WINDOW SWITCH (8W-60-3)

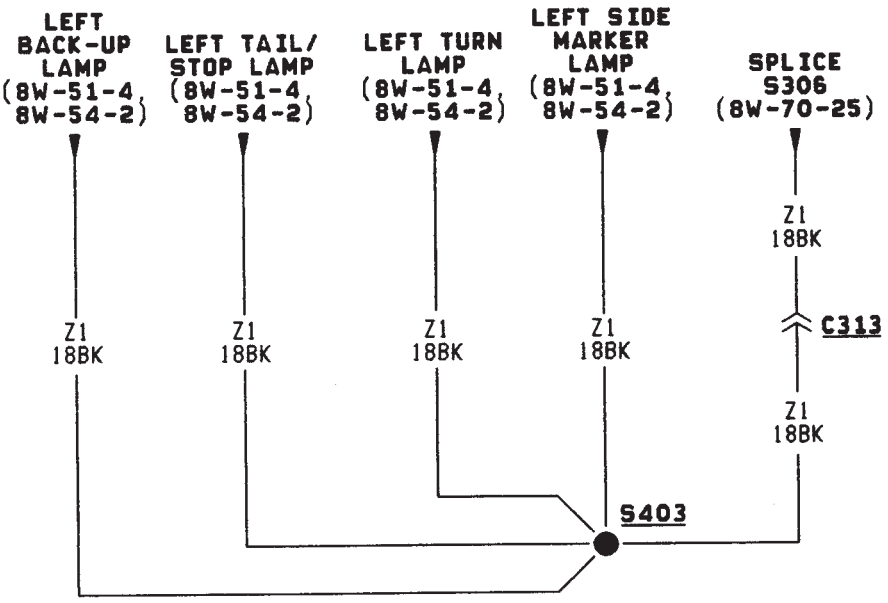

CENTER HIGH MOUNTED STOP LAMP 2 (8W-51-3)
CENTER HIGH MOUNTED STOP LAMP 1 (8W-51-3)
REAR WIPER MOTOR (8W-53-6)
LIFTGATE SWITCH (8W-44-6)
LICENSE LAMP (8W-51-3)
SPLICE S306 (8W-70-25)
Z1 20BK
Z1 20BK
C350
Z1 18BK
Z1 20BK
Z1 20BK
C351
Z1 12BK
C315
Z1 14BK
HEATED REAR WINDOW GRID (8W-48-3)
Z1 20BK
Z1 20BK
S313
Z1 14BK
Z1 14BK

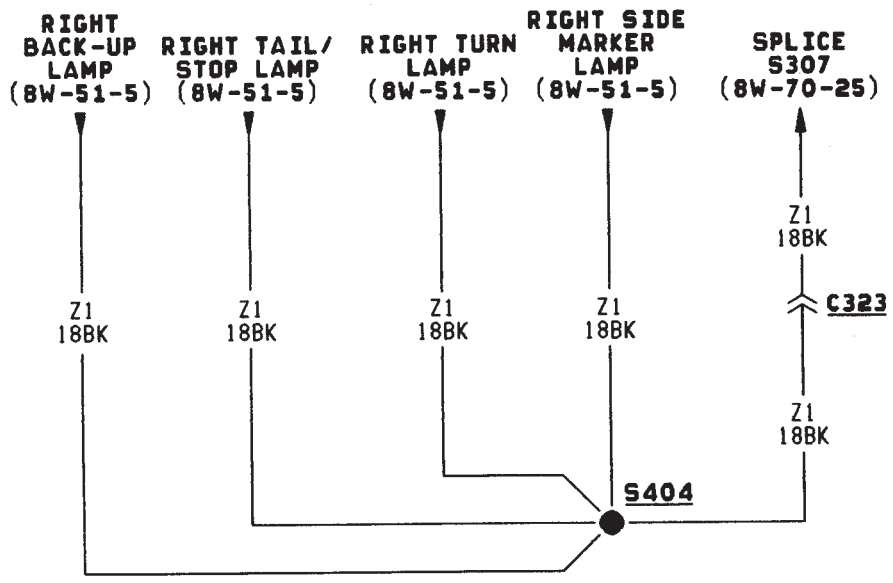

TRAILER TOW CONNECTOR (8W-54-2)
LEFT TURN RELAY (8W-54-3)
RIGHT TURN RELAY (8W-54-3)
STOP LAMP RELAY (8W-54-3)
SPLICE S403 (8W-70-30)
Z1 16BK
Z1 20BK
Z1 20BK
Z1 20BK
Z1 18BK
C313
Z1 20BK
NO CONNECTION
C313
Z1 16BK
S314
TRAILER TOW ONLY


C356
C356
(2)
10A
(1)
A11 14RD
S315
TRAILER TOW ONLY
A11 14RD
TRAILER TOW CONNECTOR (8W-54-2)
A11 18RD BK
IN-LINE CIRCUIT BREAKER
C313
A11 14RD
A11 14BK/GY
SPLICE S303 (8W-70-24)
STOP LAMP RELAY (8W-54-3)


OVERHEAD CONSOLE
C359
5
6
FUSED B(+)
M1 20PK
M1 20PK
S316
C209
SPLICE S209 (8W-70-15)
M1 20PK
M1 20PK


LEFT TAIL/
STOP LAMP
(8W-51-4,
8W-54-2)
LEFT SIDE
MARKER LAMP
(8W-51-4
8W-54-2)
HEADLAMP
SWITCH
(8W-51-5)
L90
18DB
RD
C203
C313
C309
L90 18DB/RD
S401
C312
C351
C348
LICENSE
LAMP
(8W-51-3)
RIGHT TAIL/
STOP LAMP
(8W-51-5)
RIGHT SIDE/
MARKER LAMP
(8W-51-5)
C323
S402


LEFT BACK-UP LAMP (8W-51-4, 8W-54-2)
LEFT TAIL/ STOP LAMP (8W-51-4, 8W-54-2)
LEFT TURN LAMP (8W-51-4, 8W-54-2)
LEFT SIDE MARKER LAMP (8W-51-4, 8W-54-2)
SPLICE S306 (8W-70-25)
Z1 18BK
Z1 18BK
Z1 18BK
Z1 18BK
Z1 18BK
C313
Z1 18BK
S403


RIGHT BACK-UP LAMP (8W-51-5)
RIGHT TAIL/ STOP LAMP (8W-51-5)
RIGHT TURN LAMP (8W-51-5)
RIGHT SIDE MARKER LAMP (8W-51-5)
SPLICE S307 (8W-70-25)
Z1 18BK
Z1 18BK
Z1 18BK
Z1 18BK
Z1 18BK
C323
Z1 18BK
S404

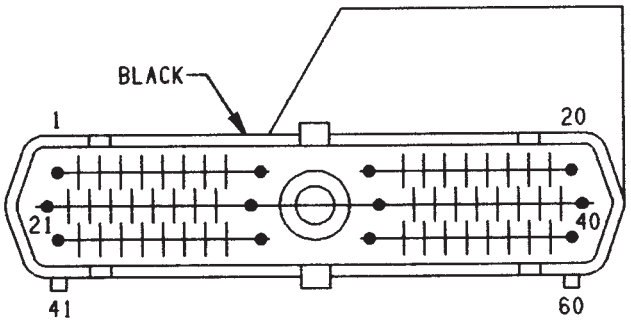
CONNECTOR PIN OUTS

GENERAL INFORMATION

The pages referenced in this section show the connector, the circuits in the connector, and the pin that circuit occupies. Individual connector numbers are referenced on diagram pages throughout Group 8W.

CONNECTOR LOCATIONS

C101

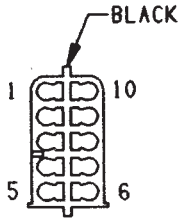


POWERTRAIN CONTROL MODULE

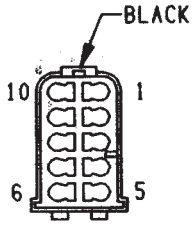
	CAV	CIRCUIT	FUNCTION
	1	K1 20DG/RD	MAP SENSOR SIGNAL
	2	K2 16TN/BK	ENGINE COOLANT TEMP SENSOR SIGNAL
	3	A14 14RD/WT	FUSED B(+)
	4	K4 18BK/LB	SENSOR GROUND
	5	Z11 16BK/WT	GROUND
	6	K6 20VT/WT	5—VOLT SUPPLY
	7	K7 18OR	8—VOLT SUPPLY
	8	—	—
	9	A21 14DB	IGN SWITCH OUTPUT (RUN/START)
	10	—	—
	11	Z12 16BK/TN	GROUND
	12	Z12 16BK/TN	GROUND
	13	K14 18LB/BR	INJECTOR #4 DRIVER
	14	K13 18YL/WT	INJECTOR #3 DRIVER
	15	K12 18TN	INJECTOR #2 DRIVER
	16	K11 18WT/DB	INJECTOR #1 DRIVER
	17	—	—
	18	—	—
	19	K19 18GY	IGNITION COIL #1 DRIVER
	20	K20 18DG	GENERATOR FIELD DRIVER
	21	K21 16BK/RD	INTAKE AIR TEMP SENSOR SIGNAL
	22	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
	23	—	—
	24	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
	25	D21 20PK	SCI TRANSMIT
*	26	D1 20VT/BR	CCD BUS (+)
	27	C91 16LB	A/C CYCLING SWITCH SENSE
	28	C90 16LG	A/C PRESSURE SWITCH OUTPUT
	29	K29 18WT/PK	STOP LAMP SWITCH SENSE
	30	T41 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE
	31	C27 20DB/PK	RADIATOR FAN RLY CONTROL
	32	G3 20BK/PK	MALFUNCTION INDICATOR LAMP DRIVER
	33	V36 20TN/RD	VEH SPEED CONTROL VACUUM SOL CONTROL
	34	C13 20DB/OR	A/C COMPRESSOR CLUTCH RELAY CONTROL
	35	—	—
	36	—	—
	37	—	—
	38	K15 18PK/BK	INJECTOR #5 DRIVER
	39	K39 18GY/RD	IDLE AIR CONTROL MOTOR #1 DRIVER
	40	K40 18BR/WT	IDLE AIR CONTROL MOTOR #3 DRIVER
	41	K41 18BK/DG	HEATED OXYGEN SENSOR SIGNAL
	42	—	—
	43	G21 20GY/LB	TACHOMETER SIGNAL
	44	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
	45	D20 20LG	SCI RECEIVE
*	46	D2 20WT/BK	CCD BUS (—)
	47	G7 20WT/OR	VEH SPEED SENSOR SIGNAL
	48	V31 20BR/RD	VEH SPEED CNTRL COAST/SET SW SENSE
	49	V32 20YL/RD	VEH SPEED CNTRL ON/OFF SW SENSE
	50	V33 20WT/LG	VEH SPEED CNTRL RESUME SW SENSE
	51	K51 20DB/YL	AUTOMATIC SHUT DOWN RELAY CONTROL
	52	—	—
	53	V35 20LG/RD	VEH SPEED CNTRL VENT SOLENOID CNTRL
	54	—	—
	55	—	—
	56	—	—
	57	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
	58	K16 18LG/BK	INJECTOR #6 DRIVER
	59	K59 18VT/BK	IDLE AIR CONTROL MOTOR #4 DRIVER
	60	K60 18YL/BK	IDLE AIR CONTROL MOTOR #2 DRIVER

* — INDICATES TWISTED PAIR D1 & D2

C102

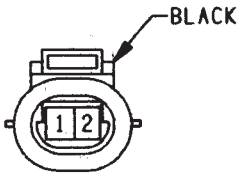


CAV	CIRCUIT
1	L3 14RD/OR
2	L3 14RD/OR
3	L61 18LG
4	L90 18DB/RD
5	Z1 16GY
6	L35 18BR/WT
7	L39 18LB
8	L60 18TN
9	L4 14VT/WT
10	F39 18PK/LG



CAV	CIRCUIT
1	—
2	L3 16RD/OR
3	L61 18LG
3	L61 18LG
4	L90 18DB/RD
5	Z1 16BK
6	L35 18BR/WT
7	—
8	L60 18TN
8	L60 18TN
9	L4 16VT/WT
10	F39 14PK/LG

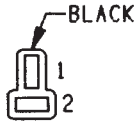
C103



FRONT WASHER PUMP MOTOR

CAV	CIRCUIT	FUNCTION
1	Z1 18GY	GROUND
1	Z1 18GY	GROUND
2	V10 20BR	WINDSHIELD WASHER SWITCH OUTPUT

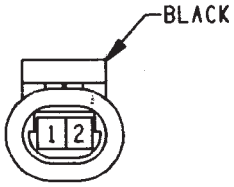
C104



REAR WASHER PUMP MOTOR

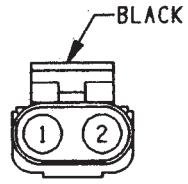
CAV	CIRCUIT	FUNCTION
1	V20 18BK/WT	REAR WASHER PUMP MOTOR CONTROL
2	Z1 18GY	GROUND

C105



LOW WASHER FLUID LEVEL SWITCH

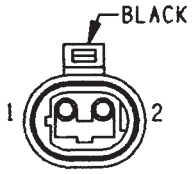
CAV	CIRCUIT	FUNCTION
1	G29 20BK/TN	WASHER FLUID SWITCH SENSE
2	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT



RADIATOR FAN MOTOR

C106

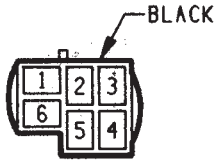
CAV	CIRCUIT	FUNCTION
1	C25 16LG	RADIATOR FAN RELAY OUTPUT
2	Z1 16GY	GROUND



LEFT FRONT WHEEL SPEED SENSOR

C107

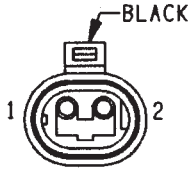
	CAV	CIRCUIT	FUNCTION
*	1	B9 18RD	LEFT FRONT WHEEL SPEED SENSOR (+)
*	2	B8 18RD/DB	LEFT FRONT WHEEL SPEED SENSOR (−)



DATA LINK CONNECTOR

C108

CAV	CIRCUIT	FUNCTION
1	—	—
2	D20 20LG	SCI RECEIVE
3	—	—
4	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT
5	D21 20PK	SCI TRANSMIT
6	Z11 16BK/WT	GROUND

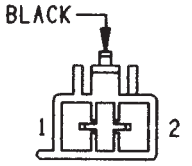


A/C LOW PRESSURE SWITCH

C109

CAV	CIRCUIT	FUNCTION
1	C21 16DB/OR	A/C SWITCH SENSE
2	C90 16LG	A/C PRESSURE SWITCH OUTPUT

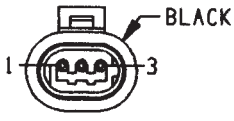
* - INDICATES TWISTED PAIR



A/C AND HEATER BLOWER MOTOR

C110

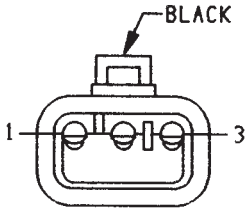
CAV	CIRCUIT	FUNCTION
1	Z1 12GY	GROUND
2	C1 12DG	FUSED IGNITION SWITCH OUTPUT



CRANKSHAFT POSITION SENSOR

C111

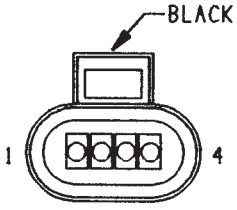
CAV	CIRCUIT	FUNCTION
1	K24 18GY/BK	CRANKSHAFT POSITION SENSOR SIGNAL
2	K4 18BK/LB	SENSOR GROUND
3	K7 18OR	8—VOLT SUPPLY



THROTTLE POSITION SENSOR

C112

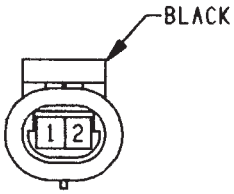
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K22 18OR/DB	THROTTLE POSITION SENSOR SIGNAL
3	K6 20VT/WT	5—VOLT SUPPLY



IDLE AIR CONTROL MOTOR

C113

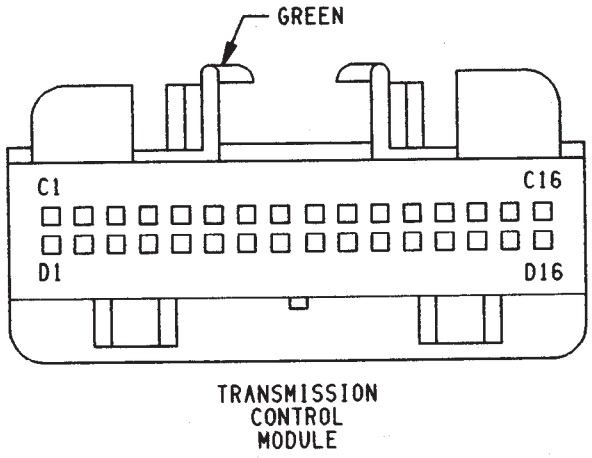
CAV	CIRCUIT	FUNCTION
1	K39 18GY/RD	IDLE AIR CONTROL MOTOR DRIVER # 1
2	K60 18YL/BK	IDLE AIR CONTROL MOTOR DRIVER # 2
3	K40 18BR/WT	IDLE AIR CONTROL MOTOR DRIVER # 3
4	K59 18VT/BK	IDLE AIR CONTROL MOTOR DRIVER # 4



INTAKE AIR TEMPERATURE SENSOR

C114

CAV	CIRCUIT	FUNCTION
1	K21 16BK/RD	INTAKE AIR TEMPERATURE SENSOR SIGNAL
2	K4 16BK/LB	SENSOR GROUND

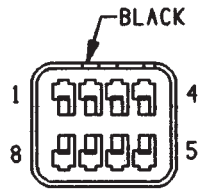


TRANSMISSION
CONTROL
MODULE

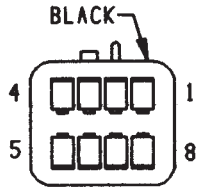
C115

CAV	CIRCUIT	FUNCTION
C1	—	—
C2	—	—
C3	T505 18TN/BK	TRANS OUTPUT SPEED SENSOR
C4	T137 16YL/BK	TRANS DATA LINK CONNECTOR
C5	—	—
C6	—	—
C7	—	—
C8	T506 18LG/BK	1-2 GEAR INPUT
C9	T507 18GY/BK	DRIVE GEAR INPUT
C10	K29 18WT/PK	STOP LAMP SWITCH SENSE
C11	T177 18TN	TRANS SWITCH POWER MODE
C12	—	—
C13	—	—
C14	T508 18WT/BK	SOLENOID S3 CONTROL
C15	T509 18VT/WT	SOLENOID S2 CONTROL
C16	T510 18DB/WT	SOLENOID S1 CONTROL
D1	—	—
D2	K22 18OR/DB	THROTTLE POS SENSOR SIGNAL
D3	K4 18BK/LB	SENSOR GROUND
D4	—	—
D5	—	—
D6	—	—
D7	Z12 18BK/TN	GROUND
D8	—	—
D9	—	—
D10	—	—
D11	—	—
D12	—	—
D13	—	—
D14	A14 14RD/WT	FUSED B(+)
D15	—	—
D16	T17 18YL	FUSED B(+)

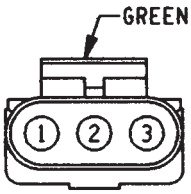
C116



CAV	CIRCUIT
1	B1 18YL/DB
2	B517 18PK/OR
3	B516 18TN/WT
4	B515 18YL/WT
5	——
6	B4 18LG
7	B3 18LG/DB
8	B2 18YL



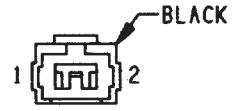
CAV	CIRCUIT
1	B1 18YL/DB
2	B517 18PK/OR
3	B516 18TN/WT
4	B515 18YL/VT
5	——
6	B4 18LG
7	B3 18LG/DB
8	B2 18YL



MAP SENSOR

C117

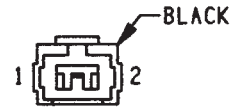
CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K1 20DG/RD	MAP SENSOR SIGNAL
3	K6 20VT/WT	5—VOLT SUPPLY



INJECTOR #6

C118

CAV	CIRCUIT	FUNCTION
1	K16 18LG/BK	INJECTOR #6 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT

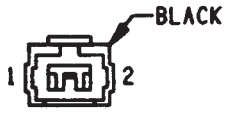


INJECTOR #5

C119

CAV	CIRCUIT	FUNCTION
1	K15 18PK/BK	INJECTOR #5 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT

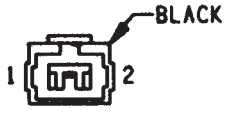
C120



INJECTOR # 4

CAV	CIRCUIT	FUNCTION
1	K14 18LB/BR	INJECTOR # 4 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT

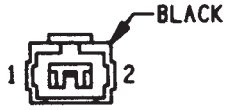
C121



INJECTOR # 3

CAV	CIRCUIT	FUNCTION
1	K13 18YL/WT	INJECTOR # 3 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT

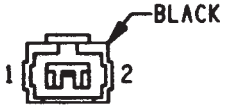
C122



INJECTOR # 2

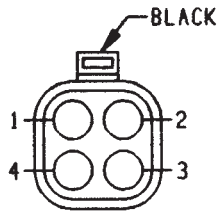
CAV	CIRCUIT	FUNCTION
1	K12 18TN	INJECTOR # 2 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT

C123



INJECTOR # 1

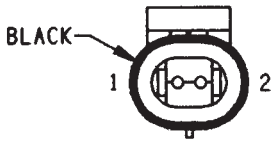
CAV	CIRCUIT	FUNCTION
1	K11 18WT/DB	INJECTOR # 1 DRIVER
2	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT



HEATED
OXYGEN
SENSOR

C124

CAV	CIRCUIT	FUNCTION
1	K4 18BK/LB	SENSOR GROUND
2	K41 18BK/DG	HEATED OXYGEN SENSOR SIGNAL
3	Z12 18BK/TN	GROUND
4	A141 14DG/WT	FUEL PUMP RELAY OUTPUT

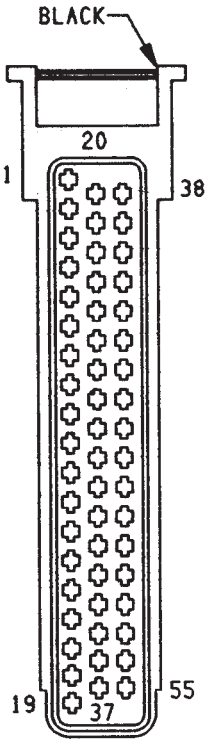


ENGINE COOLANT
TEMPERATURE SENSOR

C125

CAV	CIRCUIT	FUNCTION
1	K2 16TN/BK	ENGINE COOLANT TEMP SENSOR SIGNAL
2	K4 16BK/LB	SENSOR GROUND

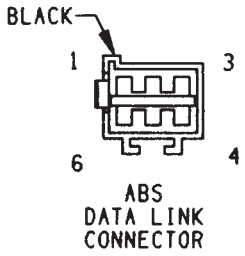
C126



ANTI-LOCK
BRAKE SYSTEM
(ABS) CONTROL MODULE

	CAV	CIRCUIT	FUNCTION
	1	Z1 14GY	GROUND
	2	B243 16DG/BK	LEFT FRONT DUMP VALVE CONTROL
	3	B235 14GY/YL	ABS POWER RELAY OUTPUT
	4	—	—
	5	—	—
	6	—	—
	7	—	—
	8	—	—
	9	—	—
	10	—	—
	11	—	—
	12	—	—
	13	—	—
	14	—	—
	15	B116 18GY	PUMP/MOTOR RELAY CONTROL
	16	B210 18RD/BK	PEDAL TRAVEL SENSOR JUMPER
	17	—	—
	18	—	—
	19	Z1 14GY	GROUND
	20	B245 16WT/LG	LEFT FRONT ISOLATION VALVE CONTROL
	21	B248 16DG/WT	RIGHT FRONT DUMP VALVE CONTROL
	22	—	—
*	23	D1 18VT/BR	CCD BUS (+)
	24	—	—
	25	B515 18YL/VT	G-SENSOR #1 SENSE
	26	B517 18PK/OR	G-SENSOR GROUND
*	27	B1 18YL/DB	RIGHT REAR WHEEL SPEED SENSOR (−)
*	28	B3 18LG/DB	LEFT REAR WHEEL SPEED SENSOR (−)
*	29	B6 18WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (−)
*	30	B8 18RD/DB	LEFT FRONT WHEEL SPEED SENSOR (−)
*	31	B219 18DB	PUMP/MOTOR SPEED SENSOR (−)
	32	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
	33	B235 14GY/YL	ABS POWER RELAY OUTPUT
	34	B207 18PK	ABS POWER RELAY CONTROL
	35	—	—
	36	B254 16DG/OR	REAR DUMP VALVE CONTROL
	37	—	—
	38	B249 16WT/TN	RIGHT FRONT ISOLATION VALVE CONTROL
	39	—	—
	40	—	—
	41	B210 18RD/BK	PEDAL TRAVEL SENSOR JUMPER
*	42	D2 18WT/BK	CCD BUS (−)
	43	B516 18TN/WT	G-SENSOR #2 SENSE
	44	—	—
*	45	B2 18YL	RIGHT REAR WHEEL SPEED SENSOR (+)
*	46	B4 18LG	LEFT REAR WHEEL SPEED SENSOR (+)
*	47	B7 18WT	RIGHT FRONT WHEEL SPEED SENSOR (+)
*	48	B9 18RD	LEFT FRONT WHEEL SPEED SENSOR (+)
*	49	B220 18TN	PUMP/MOTOR SPEED SENSOR (+)
	50	—	—
	51	—	—
	52	B205 18VT	ABS LAMP DRIVER
	53	B236 18LG/YL	FUSED IGNITION SWITCH OUTPUT
	54	B251 16WT/BK	REAR INLET VALVE CONTROL
	55	—	—

*—INDICATES TWISTED PAIRS (B1 & B2, B3 & B4, B6 & B7, B8 & B9, D1 & D2)

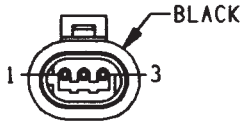


ABS
DATA LINK
CONNECTOR

C127

	CAV	CIRCUIT	FUNCTION
*	1	D2 18WT/BK	CCD BUS (−)
**	1	D2 20WT/BK	CCD BUS (−)
	2	F39 18PK/LG	FUSED B (+)
	3	—	—
*	4	D1 18VT/BR	CCD BUS (+)
**	4	D1 20VT/BR	CCD BUS (+)
	5	T137 16YL/BK	AUTO TRANS DATA LINK
	6	Z12 18BK/TN	GROUND

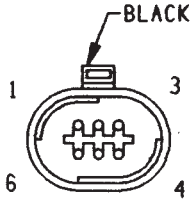
* AND ** - INDICATES TWISTED PAIRS



CAMSHAFT
POSITION
SENSOR

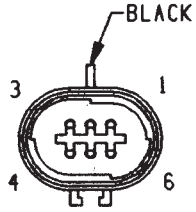
C128

CAV	CIRCUIT	FUNCTION
1	K44 18TN/YL	CAMSHAFT POSITION SENSOR SIGNAL
2	K4 18BK/LB	SENSOR GROUND
3	K7 18OR	8—VOLT SUPPLY

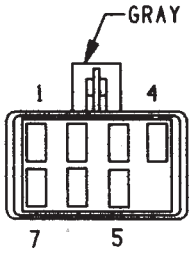


C129

CAV	CIRCUIT
1	G107 20BK/RD
2	K4 18BK/LB
3	G7 20WT/OR
4	Z1 18GY
5	—
6	K7 18OR



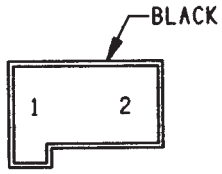
CAV	CIRCUIT
1	X4 18GY/ORRD
2	K4 18BK/LB
3	G7 18WT/OR
4	Z1 18GY
5	—
6	K7 18OR



VALVE BODY
SOLENOIDS

C130

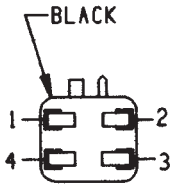
CAV	CIRCUIT	FUNCTION
1	G107 20BK/RD	4WD SENSE
2	T510 18DB/WT	SOLENOID S1 CONTROL
3	T509 18VT/WT	SOLENOID S2 CONTROL
4	T508 18WT/BK	SOLENOID S3 CONTROL
5	T505 18TN/BK	TRANSMISSION OUTPUT SPEED SENSOR
6	Z12 18BK/TN	GROUND
7	G106 20BK/YL	4WD INDICATOR LAMP



DIODE

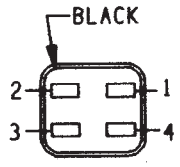
C131

CAV	CIRCUIT	FUNCTION
1	B235 14GY/YL	ABS POWER RELAY OUTPUT
2	B205 18VT	ABS LAMP DRIVER

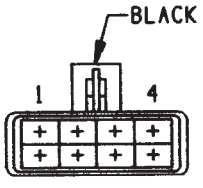


C132

CAV	CIRCUIT
1	V33 20WT/LG
2	V32 20YL/RD
3	V31 20BR/RD
4	F12 18DB/WT



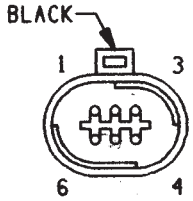
CAV	CIRCUIT
1	V33 20WT/LG
2	V32 20YL/RD
3	V31 20BR/RD
4	V34 20WT/RD



PARK/NEUTRAL POSITION SWITCH

C133

CAV	CIRCUIT	FUNCTION
1	T506 18LG/BK	1-2 GEAR INPUT
2	T507 18GY/BK	DRIVE GEAR INPUT
3	—	—
4	L10 18BR/LG	BACK-UP LAMP SWITCH OUTPUT
5	—	—
6	Z12 18BK/TN	GROUND
7	T41 18BR/YL	PARK/NEUTRAL POSITION SWITCH SENSE
8	F12 18DB/WT	FUSED IGNITION SWITCH OUTPUT

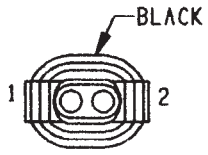


FRONT WIPER MOTOR

C134

CAV	CIRCUIT	FUNCTION
1	—	—
2	V55 18TN/RD	WIPER PARK SWITCH SENSE
3	F86 18LG/BK	FUSED IGNITION SWITCH OUTPUT
4	Z1 16GY	GROUND
5	V3 18BR/WT	WIPER SWITCH LOW SPEED OUTPUT
6	V4 18RD/YL	WIPER SWITCH HIGH SPEED OUTPUT

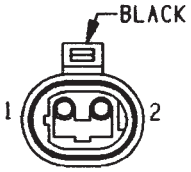
C135



BRAKE
WARNING SWITCH

CAV	CIRCUIT	FUNCTION
1	G9 20GY/BK	BRAKE WARNING LAMP DRIVER
2	G9 20GY/WT	BRAKE WARNING LAMP DRIVER

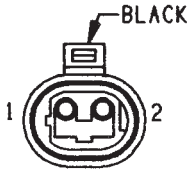
C136



RIGHT FRONT
WHEEL SPEED
SENSOR

	CAV	CIRCUIT	FUNCTION
*	1	B7 18WT	RIGHT FRONT WHEEL SPEED SENSOR (+)
*	2	B6 18WT/DB	RIGHT FRONT WHEEL SPEED SENSOR (−)

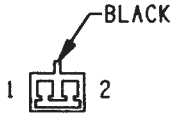
C137



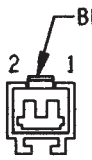
UNDERHOOD
LAMP

CAV	CIRCUIT	FUNCTION
1	Z1 18GY	GROUND
2	A7 18RD/BK	FUSED B(+)

C138



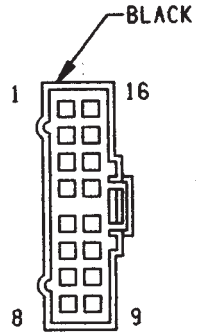
CAV	CIRCUIT
1	G31 18VT/LG
2	G32 18BK/LB



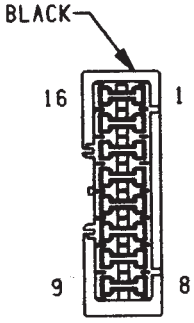
CAV	CIRCUIT
1	G31 20VT/LG
2	G32 20BK/LB

* - INDICATES TWISTED PAIR

C139

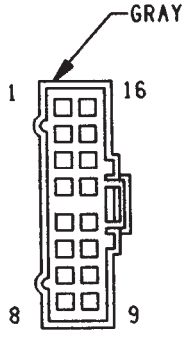


CAV	CIRCUIT
1	C1 12DG
2	G21 20GY/LB
3	L10 18BR/LG
4	F86 18LG/BK
5	G6 20GY/YL
6	G20 18VT/YL
6	G20 20VT/YL
7	L50 18WT/TN
8	A7 12RD/YL
9	B205 18YL
10	L4 16VT/WT
11	G7 18WT/OR
12	Z2 18BK/OR
12	Z2 18BK/OR
13	V30 20DB/RD
14	V11 18BK/TN
15	L9 16BK/WT
15	L9 16BK/WT
16	A1 12RD

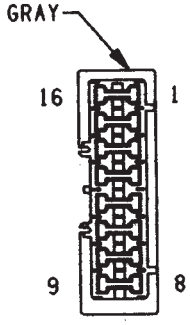


CAV	CIRCUIT
1	C1 12DG
2	G21 20GY/LB
3	L10 18BR/LG
4	F86 18LG/BK
5	G6 20GY
6	G20 20VT/YL
7	L50 18WT/TN
8	A7 12RD/BK
9	B205 18VT
10	L4 14VT/WT
11	G7 20WT/OR
12	Z2 16BK/OR
13	V30 20DB/RD
14	—
15	L9 18BK/WT
16	A1 10RD

C140

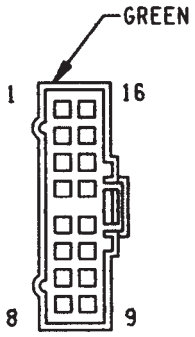


CAV	CIRCUIT	
1	G9 18GY/BK	
1	G9 18GY/BK	
2	V20 18BK//WT	
2	V20 18BK//WT	
3	L90 18DB/RD	
3	L90 18DB/RD	W/O ABS
4	L35 16BR/WT	W/O ABS
4	—	W/ABS
5	C21 16LB	
6	C90 16LG/WT	
7	C91 16DB/OR	
8	A21 12YL	
9	L3 16RD/OR	
9	L3 16RD/OR	
10	B236 18LB/YL	
11	G9 20GY/BK	
12	X2 16DG/RD	
13	V32 20YL/RD	
14	L61 18LG/YL	W/ABS
14	L61 18LG/YL	W/ABS
14	L61 18LG	W/O ABS
14	L61 18LG	W/O ABS
15	L60 18WT/BL	W/ABS
15	L60 18WT/BL	W/ABS
15	L60 18TN	W/O ABS
15	L60 18TN	W/O ABS
16	A3 12RD/WT	

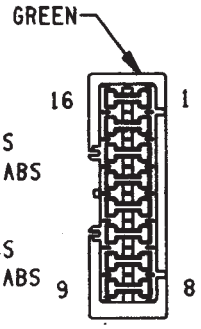


CAV	CIRCUIT
1	G9 20GY/BK
2	V20 18BK/WT
3	L90 18DB/RD
4	L35 18BR/WT
5	C21 16DB/OR
6	C90 16LG
7	C91 16LB
8	A21 12DB
9	L3 14RD/OR
10	B236 18LG/YL
10	B236 18LG/YL
11	G9 20GY/WT
12	X2 18DG/RD
12	X2 18DG/RD
13	V32 20YL/RD
14	L61 18LG
15	L60 18TN
16	A3 12RD/WT

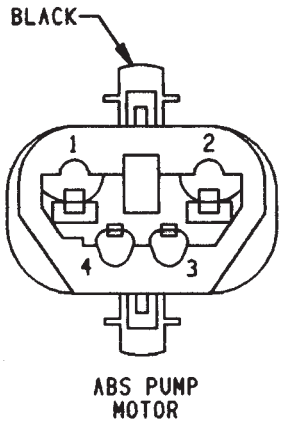
C141



CAV	CIRCUIT	
1	V55 18TN/RD	
2	T177 20TN	
3	G107 20BK/RD	
4	G106 20BK/YL	
5	V10 18BR	
6	V3 18BR/WT	
7	V4 18RD/YL	
8	124 20VT/YL	W/ABS
8	L39 16LB	W/O ABS
9	T17 20YL	
10	A241 14DB/TN	
11	125 20TN/OR	W/ABS
11	G3 20BK/PK	W/O ABS
12	K29 18WT/PK	
13	M1 18PK	
14	G29 20BK/TN	
15	A41 14YL/WT	
16	A4 12BK/PK	

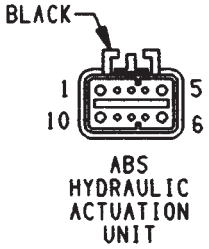


CAV	CIRCUIT
1	V55 18TN/RD
2	T177 18TN
3	G107 20BK/RD
3	G107 20BK/RD
4	G106 20BK/YL
5	V10 20BR
6	V3 18BR/WT
7	V4 18RD/YL
8	L39 18LB
9	T17 18YL
10	A141 14DG/WT
11	G3 20BK/PK
12	K29 18WT/PK
13	A7 14RD/BK
14	G29 20BK/TN
15	A41 14YL
16	A4 12BK/PK



C142

	CAV	CIRCUIT	FUNCTION
	1	B233 12TN/BK	PUMP/MOTOR RELAY OUTPUT
	2	Z12 12BK/TN	GROUND
*	3	B219 18DB	PUMP/MOTOR SPEED SENSOR (−)
*	4	B220 18TN	PUMP/MOTOR SPEED SENSOR (+)

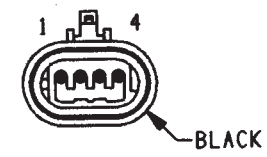


C143

CAV	CIRCUIT	FUNCTION
1	—	—
2	B245 16WT/LG	LEFT FRONT ISOLATION VALVE CONTROL
3	B249 16WT/TN	RIGHT FRONT ISOLATION VALVE CONTROL
4	B251 16WT/BK	REAR INLET VALVE CONTROL
5	B235 14GY/YL	ABS POWER RELAY OUTPUT
6	—	—
7	B254 16DG/OR	REAR DUMP VALVE CONTROL
8	B248 16DG/WT	RIGHT FRONT DUMP VALVE CONTROL
9	B243 16DG/BK	LEFT FRONT DUMP VALVE CONTROL
10	B235 14GY/YL	ABS POWER RELAY OUTPUT

* — INDICATES TWISTED PAIR (B219 & B220)

C144

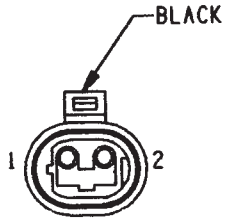


VEHICLE SPEED CONTROL SERVO

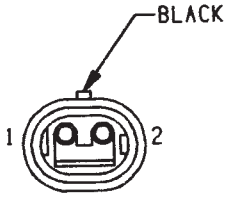
CAV	CIRCUIT	FUNCTION
1	Z1 18GY	GROUND
2	V30 20DB/RD	VEH SPEED CONTROL BRAKE SW OUTPUT
3	V35 20LG/RD	VEHICLE SPEED CTRL VENT SOL CONTROL
4	V36 20TN/RD	VEHICLE SPEED CTRL VACUUM SOL CONTROL

C145
POWER DISTRIBUTION CENTER (8W-11-2)

C146

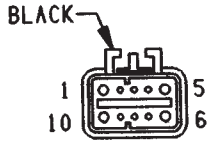


CAV	CIRCUIT
1	G32 18BK/LB
2	G31 18VT/LG

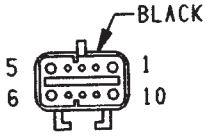


CAV	CIRCUIT
1	G32 18BK/LB
2	G31 18VT/LG

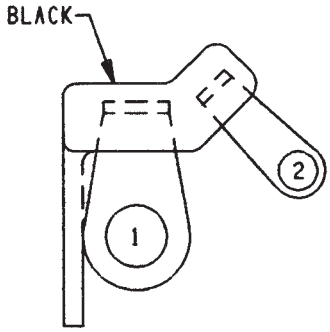
C147



CAV	CIRCUIT
1	—
2	—
3	—
4	K19 18BK/GY
5	—
6	—
7	G6 20GY
8	—
9	K20 18DG
10	A142 14DG/OR



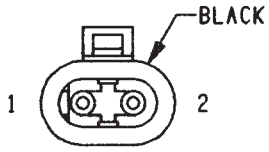
CAV	CIRCUIT
1	—
2	—
3	—
4	K19 18BK/GY
5	—
6	—
7	G6 18GY
8	—
9	K20 18DG
10	A142 16DG/OR



ENGINE STARTER MOTOR

C148

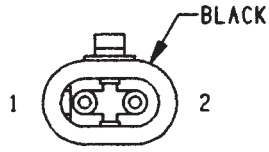
CAV	CIRCUIT	FUNCTION
1	A0 6RD	B (+)
2	T40 14LG/BK	ENGINE STARTER MOTOR RELAY OUTPUT



ENGINE OIL PRESSURE SENDING UNIT

C149

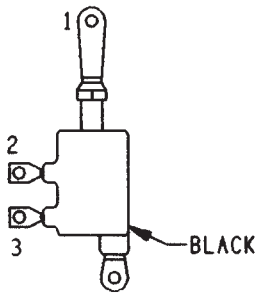
CAV	CIRCUIT	FUNCTION
1	—	—
2	G6 18GY	ENGINE OIL PRESSURE SWITCH SENSE



DISTRIBUTOR IGNITION COIL

C150

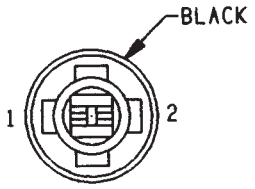
CAV	CIRCUIT	FUNCTION
1	A142 16DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
2	K19 18BK/GY	IGNITION COIL #1 DRIVER



GENERATOR

C151

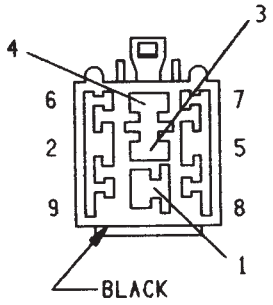
CAV	CIRCUIT	FUNCTION
1	Z0 8BK	GROUND
2	A142 18DG/OR	AUTOMATIC SHUT DOWN RELAY OUTPUT
3	K20 18DG	GENERATOR FIELD DRIVER



RIGHT SIDE
MARKER LAMP

C152

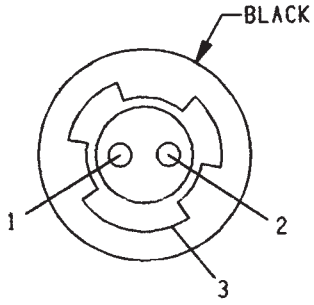
CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	L60 18TN	RIGHT TURN SIGNAL



FOG LAMP
RELAY

C153

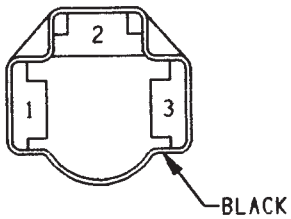
CAV	CIRCUIT	FUNCTION
1	F39 14PK/LG	FUSED B (+)
2	Z1 18BK	GROUND
3	—	—
4	117 14LG/BK	FOG LAMP SWITCH OUTPUT
5	L35 18BR/WT	PARK LAMP RELAY CONTROL
6	—	—
7	—	—
8	—	—
9	—	—



LEFT PARK AND
TURN SIGNAL LAMP

C154

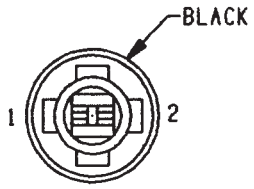
CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	L61 18LG	LEFT TURN SIGNAL
3	Z1 18BK	GROUND



LEFT
HEADLAMP

C155

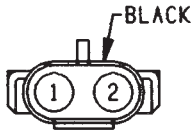
CAV	CIRCUIT	FUNCTION
1	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
1	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
2	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
2	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
3	Z1 18BK	GROUND



LEFT SIDE
MARKER LAMP

C156

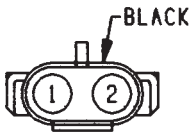
CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	L61 18LG	LEFT TURN SIGNAL



LEFT
FOG LAMP

C157

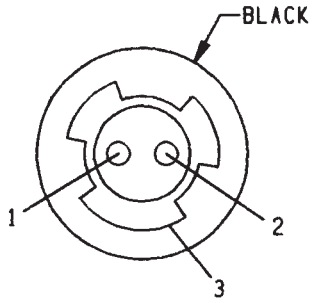
CAV	CIRCUIT	FUNCTION
1	117 14LG/BK	FOG LAMP RELAY OUTPUT
2	Z1 16BK	GROUND



RIGHT
FOG LAMP

C158

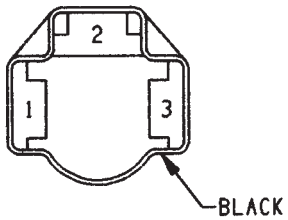
CAV	CIRCUIT	FUNCTION
1	117 14LG/BK	FOG LAMP RELAY OUTPUT
2	Z1 16BK	GROUND



RIGHT PARK AND
TURN SIGNAL LAMP

C159

CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	L60 18TN	RIGHT TURN SIGNAL
3	Z1 18BK	GROUND



RIGHT
HEADLAMP

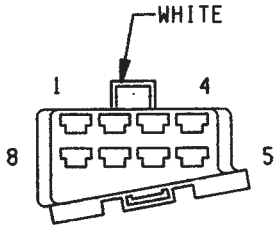
C160

CAV	CIRCUIT	FUNCTION
1	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
2	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
3	Z1 18BK	GROUND

C201

FUSE BLOCK
(8W-10-2)

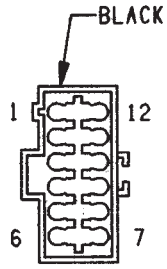
C202



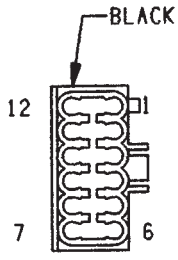
CHIME/BUZZER
MODULE

CAV	CIRCUIT	FUNCTION
1	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
1	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
2	G11 20WT/OR	PARK BRAKE SWITCH SENSE
3	Z1 14BK	GROUND
3	Z1 18BK	GROUND
4	G10 18LG/RD	SEAT BELT SWITCH SENSE
5	—	—
6	M11 20PK/LB	COURTESY LAMP SWITCH OUTPUT
7	L7 18BK/YL	FUSED B(+)
8	—	—

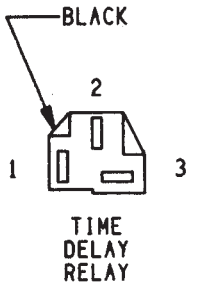
C203



CAV	CIRCUIT
1	L60 18TN
2	L90 18DB/RD
3	L10 18BR/LG
4	M2 18YL
4	M2 18YL
5	L35 18BR/WT
6	L50 18WT/TN
7	G9 20GY/BK
8	P38 200R/WT
9	A241 14DG/TN
10	G4 20DB
11	Z1 14BK
12	E2 200R



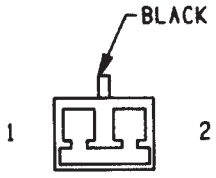
CAV	CIRCUIT	
1	L60 18WT/BL	W/ABS
1	L60 18TN	W/O ABS
2	L90 18DB/RD	
2	L90 18DB/RD	W/O ABS
3	L10 18BR/LG	
4	M2 20YL	
5	L35 16BR/WT	
6	L50 18WT/TN	
7	G9 18GY/BK	
8	P38 180G/TN	
9	A241 14DG/TN	
10	G4 20DB	
11	Z1 14BK	
12	E2 200R/BK	



TIME DELAY RELAY

C204

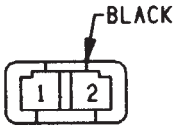
CAV	CIRCUIT	FUNCTION
1	M2 20YL	PANEL LAMPS DRIVER
2	M50 20YL/RD	KEY-IN LAMP DRIVER
3	M1 20PK	FUSED B(+)



RIGHT COURTESY LAMP

C205

CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B(+)
2	M2 20YL	COURTESY LAMP DRIVER

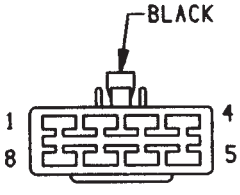


RIGHT INSTRUMENT PANEL SPEAKER

C206

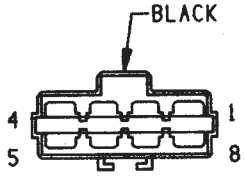
CAV	CIRCUIT	FUNCTION
1	X54 20VT	RIGHT FRONT SPEAKER (+)
1	X54 18VT	RIGHT FRONT SPEAKER (+)
2	X56 20DB/RD	RIGHT FRONT SPEAKER (–)
2	X56 18DB/RD	RIGHT FRONT SPEAKER (–)

C207

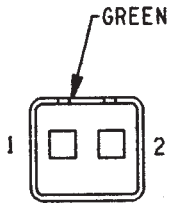


CAV	CIRCUIT
1	P36 20PK/VT
2	P35 200R/VT
3	P34 18PK/BK
4	P2 18BK/WT
5	F81 12TN
6	P60 20BR/WT
7	Z1 14BK
7	Z1 20BK
8	—

W/O ABS

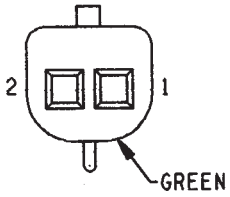


CAV	CIRCUIT
1	P36 20PK/VT
1	P36 20PK/VT
2	P35 200R/VT
2	P35 200R/VT
3	P34 18PK/BK
3	P34 18PK/BK
4	P2 18BK/WT
4	P2 18BK/WT
5	F81 12TN
6	P60 20BR/WT
7	Z1 14BK
8	—



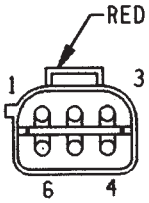
CAV	CIRCUIT
1	X56 20DB/RD
2	X54 20VT

C208

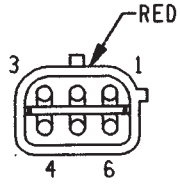


CAV	CIRCUIT
1	X56 20DB/RD
2	X54 20VT

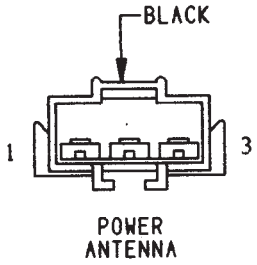
C209



CAV	CIRCUIT
1	—
2	F87 20WT/BK
3	—
4	Z1 20BK
5	M1 20PK
6	M2 20YL



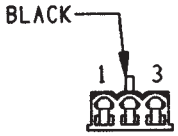
CAV	CIRCUIT
1	—
2	—
3	—
4	Z1 20BK
5	M1 20PK
6	M2 20YL



C210

CAV	CIRCUIT	FUNCTION
1	X14 18WT/GY	POWER ANTENNA DOWN
2	X13 18BK/RD	POWER ANTENNA UP
3	X17 18GY/BK	GROUND

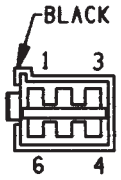
C211



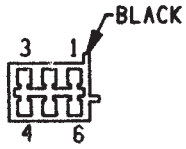
CAV	CIRCUIT
1	Z1 20BK
2	G26 20LB
2	G26 20LB
3	M2 20YL

CAV	CIRCUIT
1	Z1 20BK
2	G26 20LB
3	M2 20YL

C212

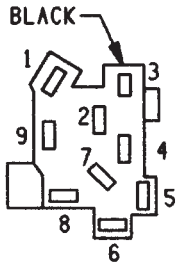


CAV	CIRCUIT
1	G32 20BK/LB
2	L90 18DB/RD
2	L90 18DB/RD
3	E2 200R/BK
4	G31 20VT/LG
5	Z2 18BK/OR
6	—



CAV	CIRCUIT
1	G32 20VT/LG
2	L90 20DB/RD
3	E2 200R/BK
4	G31 20BK/LB
5	Z2 20BK/LG
6	—

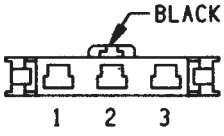
C213



HEADLAMP SWITCH

CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	FUSED PANEL LAMPS DIMMER SW SIGNAL
1	E2 200R/BK	FUSED PANEL LAMPS DIMMER SW SIGNAL
2	F34 12TN/BK	FUSED B(+)
3	M2 20YL	COURTESY LAMP DRIVER
4	L7 18BK/YL	FUSED B(+)
4	L7 18BK/YL	FUSED B(+)
5	G26 20LB	KEY—IN IGNITION SWITCH SENSE
6	M11 20PK/LB	COURTESY LAMP SWITCH OUTPUT
6	M11 20PK/LB	COURTESY LAMP SWITCH OUTPUT
7	—	—
8	A3 12RD/WT	FUSED B(+)
9	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
9	L90 18DB/RD	PARK LAMP SWITCH OUTPUT

C214

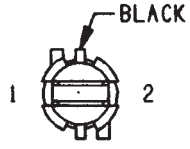


FOG LAMP SWITCH

CAV	CIRCUIT	FUNCTION	
1	Z1 20BK	GROUND	
1	Z1 20BK	GROUND	W/ABS
2	F34 12TN/BK	FUSED B(+)	
3	L35 16BR/WT	FOG LAMP SWITCH CONTROL	

CAV	CIRCUIT	FUNCTION	
1	L39 16LB	FOG LAMP SWITCH OUTPUT	
2	L35 16BR/WT	FOG LAMP SWITCH CONTROL	W/O ABS
3	Z1 20BK	GROUND	
3	Z1 20BK	GROUND	

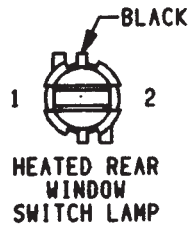
C215



FOG LAMP ILLUMINATION

CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND

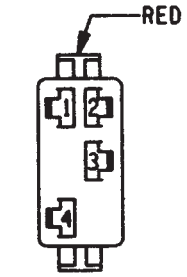
J958W-13



HEATED REAR WINDOW SWITCH LAMP

C216

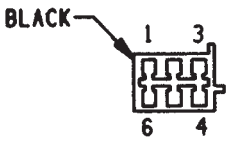
CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



HEATED REAR WINDOW SWITCH

C217

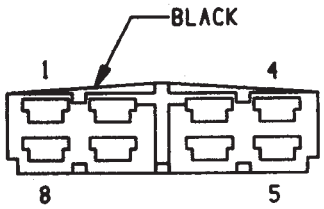
CAV	CIRCUIT	FUNCTION
1	—	—
2	Z1 20BK	GROUND
2	Z1 20BK	GROUND
3	C80 18DB/WT	HEATED REAR WINDOW RELAY CONTROL
4	C15 12BK/WT	HEATED REAR WINDOW RELAY OUTPUT



STOP LAMP SWITCH

C218

CAV	CIRCUIT	FUNCTION
1	V32 20YL/RD	VEH SPEED CONTROL ON/OFF SW SENSE
2	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
3	K29 18WT/PK	BRAKE SWITCH SENSE
4	Z1 18BK	GROUND
5	L9 16PK/BK	FUSED B(+)
6	V30 20DB/RD	VEH SPEED CONTROL BRAKE SW OUTPUT

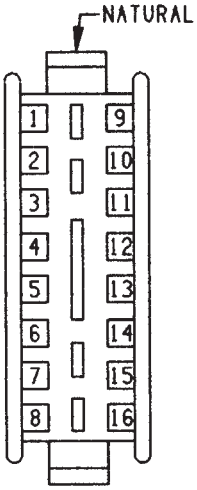


HEADLAMP DELAY MODULE

C219

CAV	CIRCUIT	FUNCTION
1	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
1	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
2	F34 12TN/BK	HEADLAMP SWITCH OUTPUT
3	Z1 18BK	GROUND
3	Z1 18BK	GROUND (W/O ABS)
4	X4 16GY/OR	FUSED B(+)
4	X4 16GY/OR	FUSED B(+)
5	—	—
6	—	—
7	—	—
8	—	—

C220



TELLTALE CONNECTOR

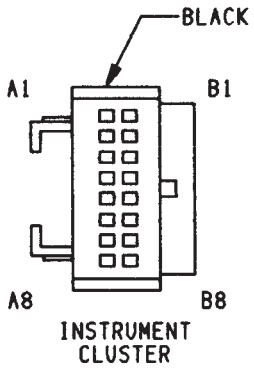
WITH ABS

CAV	CIRCUIT	FUNCTION
1	G107 20BK/RD	4WD SWITCH OUTPUT
2	—	—
3	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
3	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
4	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
4	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
5	G106 20BK/YL	4WD INDICATOR LAMP
6	G9 18GY/BK	BRAKE WARNING LAMP DRIVER
7	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
7	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
8	124 20VT/YL	FOG LAMPS SWITCH OUTPUT
9	B205 18YL	ABS LAMP DRIVER
10	125 20TN/OR	MALFUNCTION INDICATOR LAMP DRIVER
11	—	—
12	Z1 20BK	GROUND
12	Z1 20BK	GROUND
13	L68 18DG	HAZARD WARNING INDICATOR LAMP
14	G29 20BK/TN	WASHER FLUID SWITCH SENSE
15	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
15	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
16	G11 20WT/OR	SEAT BELT WARNING LAMP DRIVER

WITHOUT ABS

CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
1	Z1 20BK	GROUND
2	G11 20WT/OR	SEAT BELT WARNING LAMP DRIVER
3	—	—
4	—	—
5	G107 20BK/RD	4WD SWITCH OUTPUT
6	G106 20BK/YL	4WD INDICATOR LAMP
7	—	—
8	—	—
9	G9 18GY/BK	BRAKE WARNING LAMP DRIVER
10	—	—
11	B205 18YL	ABS LAMP DRIVER
10	—	—
11	—	—
12	—	—
13	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
13	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
14	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
14	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
15	G3 20BK/PK	MALFUNCTION INDICATOR LAMP DRIVER
16	G29 20BK/TN	WASHER FLUID SWITCH SENSE

C221



INSTRUMENT CLUSTER

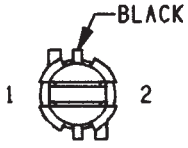
CAV	CIRCUIT	FUNCTION
A1	G20 18VT/YL	ECT GAUGE SENSOR SIGNAL
A2	L61 18LG/YL	LEFT TURN SIGNAL (W/ABS)
A2	L61 18LG	LEFT TURN SIGNAL (W/O ABS)
A3	Z1 20BK	GROUND
A4	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
A5	G21 20GY/LB	TACHOMETER SIGNAL
A6	E2 200R/BK	PANEL LAMPS DRIVER
A7	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
A8	—	—
B1	G4 20DB	FUEL LEVEL SENSOR SIGNAL
B2	Z2 18BK/OR	GROUND
B3	—	—
B4	—	—
B5	—	—
B6	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL
B7	L60 18WT/BL	RIGHT TURN SIGNAL (W/ABS)
B7	L60 18TN	RIGHT TURN SIGNAL (W/O ABS)
B8	G6 20GY/YL	ENGINE OIL PRESSURE SWITCH SENSE

C222

REAR WIPER/WASHER SWITCH

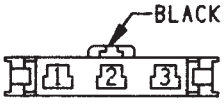
CAV	CIRCUIT	FUNCTION
1	V20 18BK/WT	REAR WASHER PUMP MOTOR CONTROL
2	V13 18BR/LG	REAR WASHER RUN
3	F20 18WT	FUSED IGNITION SWITCH OUTPUT
4	V15 18LB/RD	WINDSHIELD WASHER RELAY CONTROL

C223



REAR WIPER/WASHER SWITCH LAMP

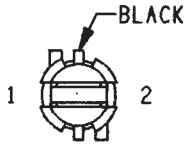
CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



TRANS
COMFORT
SWITCH

C224

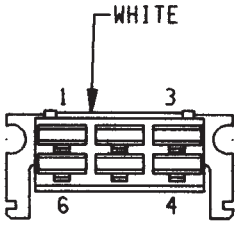
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	T17 20YL	FUSED IGNITION SWITCH OUTPUT
3	T177 20TN	TRANS SWITCH POWER MODE



TRANS
COMFORT
SWITCH
LAMP

C225

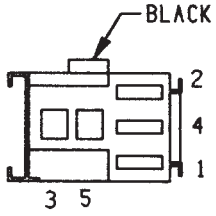
CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



DIMMING
MODULE

C228

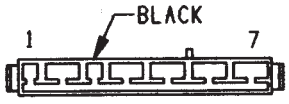
CAV	CIRCUIT	FUNCTION
1	A38 120R	IGNITION SWITCH OUTPUT (RUN)
2	—	—
3	Z1 20BK	GROUND
4	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
5	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
6	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT



HAZARD
FLASHER
RELAY

C229

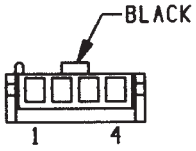
CAV	CIRCUIT	FUNCTION
1	L68 18DG	HAZARD WARNING INDICATOR LAMP
2	L9 16BK/WT	FUSED B(+)
3	L9 16BK/WT	FUSED B(+)
3	L9 16BK/WT	FUSED B(+)
4	—	—
5	L12 18VT/TN	HAZARD FLASHER SELECT SIGNAL



IGNITION SWITCH

C230

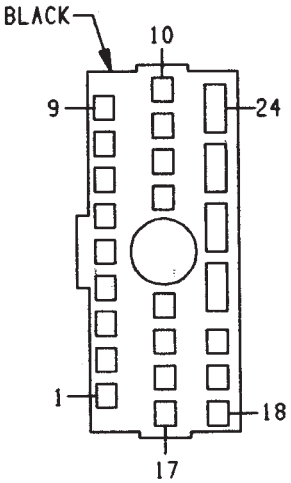
CAV	CIRCUIT	FUNCTION
1	A41 14YL/WT	IGNITION SWITCH OUTPUT (START)
2	A21 12YL	IGNITION SWITCH OUTPUT (RUN/START)
3	G9 20GY/BK	BRAKE WARNING LAMP DRIVER
3	G20 20VT/OR	ECT GAUGE SENSOR SIGNAL
4	A1 12RD	FUSED B(+)
5	A38 12OR	IGNITION SWITCH OUTPUT (RUN)
6	A48 12VT	IGNITION SWITCH OUTPUT (RUN/ACC)
7	A1 12RD	FUSED B(+)



IGNITION KEY-IN WARNING SWITCH

C231

CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	M50 20YL/RD	KEY—IN LAMP DRIVER
3	G26 20LB	KEY—IN IGNITION SWITCH SENSE
4	M11 20PK/LB	COURTESY LAMP SWITCH OUTPUT



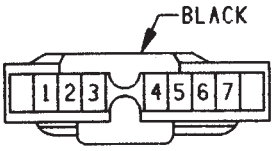
MULTI-FUNCTION SWITCH

C232

CAV	CIRCUIT	FUNCTION
1	—	—
2	—	—
3	V6 18DB	FUSED IGNITION SWITCH OUTPUT
4	V3 18BR/WT	WIPER SWITCH LOW SPEED OUTPUT
5	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
6	F86 16LG/BK	FUSED IGNITION SWITCH OUTPUT
7	V11 18BK/TN	LOW WASHER FLUID SENSE
8	V51 18WT	INTERMITTENT WIPER DELAY
9	V50 18LG	WIPER SWITCH DELAY OUTPUT
10	—	—
11	L60 18WT/BL	RIGHT TURN SIGNAL (W/ABS)
11	L60 18TN	RIGHT TURN SIGNAL (W/O ABS)
12	L60 18WT/BL	RIGHT TURN SIGNAL (W/ABS)
12	L60 18TN	RIGHT TURN SIGNAL (W/O ABS)
13	L12 18VT/TN	HAZARD FLASHER OUTPUT
14	—	—
15	L61 18LG/YL	LEFT TURN SIGNAL (W/ABS)
15	L61 18LG	LEFT TURN SIGNAL (W/O ABS)
16	L61 18LG/YL	LEFT TURN SIGNAL (W/ABS)
16	L61 18LG	LEFT TURN SIGNAL (W/O ABS)
17	L5 18BK/WT	COMBINATION FLASHER OUTPUT (TURN SIGNALS)
18	—	—
19	—	—
20	—	—
21	L11 16PK/LG	COMBINATION FLASHER OUTPUT (HAZARD)
22	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
22	L3 16RD/OR	DIMMER SWITCH HIGH BEAM OUTPUT
23	F39 12PK/LG	FUSED B(+)
24	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT
24	L4 16VT/WT	DIMMER SWITCH LOW BEAM OUTPUT

J958W-13

C233



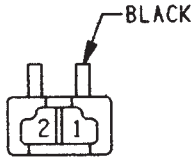
WIPER/WASHER SWITCH
(STANDARD)
OR
INTERMITTENT WIPER
CONTROL MODULE
(INTERMITTENT)

CAV	CIRCUIT	FUNCTION
1	——	——
2	V10 18BR	WINDSHIELD WASHER SWITCH OUTPUT
3	V4 18RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
4	F86 18LG/BK	FUSED IGNITION SWITCH OUTPUT
4	F86 18LG/BK	FUSED IGNITION SWITCH OUTPUT
5	V3 18BR/WT	WIPER SWITCH LOW SPEED OUTPUT
6	V55 18TN/RD	WIPER PARK SWITCH SENSE
7	Z1 18BK	GROUND
7	Z1 18BK	GROUND (W/O ABS)

C234

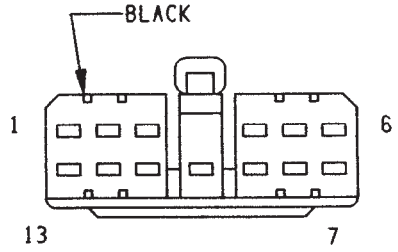
CAV	CIRCUIT
1	Z1 20BK
1	Z1 20BK
2	E2 200R/BK

W/O ABS



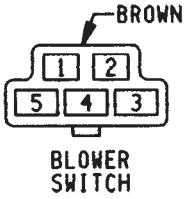
CAV	CIRCUIT
1	Z1 20BK
2	E2 200R/BK

C235



RADIO

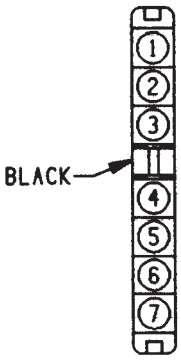
CAV	CIRCUIT	FUNCTION
1	X57 20BR/LB	LEFT REAR SPEAKER (–)
2	X55 18BR/RD	LEFT FRONT SPEAKER (–)
3	X5 18LB/RD	RADIO DISPLAY OUTPUT
4	E2 180R/BK	PANEL LAMPS DRIVER
5	X56 18DB/RD	RIGHT FRONT SPEAKER (–)
6	X58 20DB/OR	RIGHT REAR SPEAKER (–)
7	X52 20DB/WT	RIGHT REAR SPEAKER (+)
8	X54 18VT	RIGHT FRONT SPEAKER (+)
9	F85 18VT/WT	FUSED IGNITION SWITCH OUTPUT
10	M1 18PK	FUSED B(+)
11	X60 18DG/RD	RADIO 12-VOLT OUTPUT
12	X53 18DG	LEFT FRONT SPEAKER (+)
13	X51 20BR/YL	LEFT REAR SPEAKER (+)



BLOWER SWITCH

C236

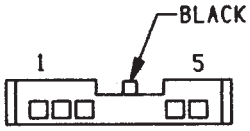
CAV	CIRCUIT	FUNCTION
1	C4 12TN	LOW MOTOR BLOWER DRIVER
2	C1 12DG	FUSED IGNITION SWITCH OUTPUT
3	—	—
4	C6 12LB	M2 BLOWER MOTOR DRIVER
5	C43 12YL/BR	FUSED/IGNITION SWITCH OUTPUT(ACC/RUN)



INTERMITTENT WIPER CONTROL MODULE

C237

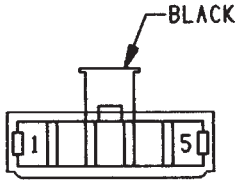
CAV	CIRCUIT	FUNCTION
1	V51 18WT	INTERMITTENT WIPER DELAY
2	V11 18BK/TN	LOW WASHER FLUID SENSE
3	V4 16RD/YL	WIPER SWITCH HIGH SPEED OUTPUT
4	F86 16LG/BK	FUSED IGNITION SWITCH OUTPUT
5	V3 18BR/WT	WIPER SWITCH LOW SPEED OUTPUT
6	V6 18DB	FUSED IGNITION SWITCH OUTPUT
7	V50 18LG	WIPER SWITCH DELAY OUTPUT



VEHICLE SPEED CONTROL SWITCH

C238

CAV	CIRCUIT	FUNCTION
1	X3 20BK/RD	HORN RELAY CONTROL
2	V33 20WT/LG	VEH SPEED CNTRL RESUME SW SENSE
3	V34 20WT/RD	VEH SPEED CONTROL SWITCH FEED
4	V31 20BR/RD	VEH SPEED CONTROL COAST/SET SW SENSE
5	V32 20YL/RD	VEH SPEED CONTROL ON/OFF SW SENSE

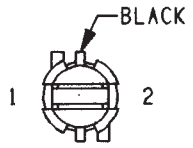


MODE SELECTOR SWITCH

C239

CAV	CIRCUIT	FUNCTION
1	C43 12YL/BR	FUSED IGNITION SWITCH OUTPUT (ACC/RUN)
2	C7 12BK/TN	HIGH BLOWER MOTOR DRIVER
3	—	—
4	C7 12BK/TN	HIGH BLOWER MOTOR DRIVER
5	C90 16LG/WT	A/C PRESSURE SWITCH OUTPUT

C240

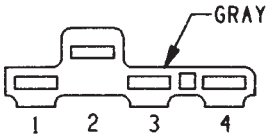


HEATER-A/C
PANEL LAMP

CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 16BK	GROUND

C241
RELAY CENTER
(8W-11-15)

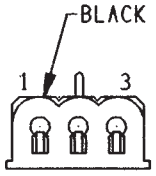
C242



BLOWER
RESISTOR

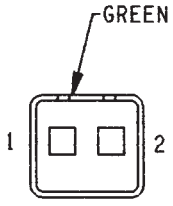
CAV	CIRCUIT	FUNCTION
1	C6 12LB	M2 BLOWER MOTOR DRIVER
2	C1 12DG	FUSED IGNITION SWITCH OUTPUT
2	C1 12DG	FUSED IGNITION SWITCH OUTPUT
3	C4 12TN	LOW BLOWER MOTOR OUTPUT
4	C43 12YL/BR	FUSED IGNITION SWITCH OUTPUT (ACC/RUN)

C243



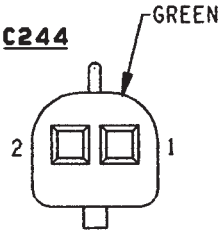
A/C
CYCLING SWITCH

CAV	CIRCUIT	FUNCTION
1	Z1 16BK	GROUND
2	C21 16LB	A/C SWITCH SENSE
3	C91 16DB/OR	A/C SWITCH SENSE



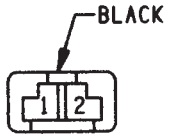
CAV	CIRCUIT
1	X53 20DG
2	X55 20BR/RD

C244



CAV	CIRCUIT
1	X53 20DG
2	X55 20BR/RD

C245



LEFT INSTRUMENT PANEL SPEAKER

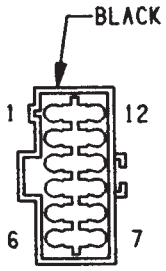
CAV	CIRCUIT	FUNCTION
1	X53 20DG	LEFT FRONT SPEAKER (+)
1	X53 18DG	LEFT FRONT SPEAKER (+)
2	X55 20BR/RD	LEFT FRONT SPEAKER (−)
2	X55 18BR/RD	LEFT FRONT SPEAKER (−)

C246

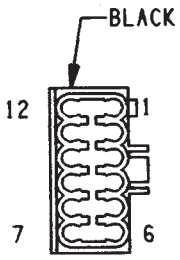
LEFT COURTESY LAMP

CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B (+)
2	M2 20YL	COURTESY LAMP DRIVER

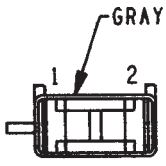
C247



CAV	CIRCUIT
1	X51 20BR/YL
2	X52 20DB/WT
3	X57 20BR/LB
4	X58 20DB/OR
5	A11 12BK/GY
6	L61 18LG
7	M1 18PK
8	C15 14BK/WT
9	F20 18WT
10	V13 18BR/LG
11	V20 18BK/WT
12	G10 20LG/RD



CAV	CIRCUIT
1	X51 20BR/YL
2	X52 20DB/WT
3	X57 20BR/LB
4	X58 20DB/OR
5	A11 12RD
6	L61 18LG/YL
7	M1 20PK
8	C15 12BK/WT
9	F20 18WT
10	V13 18BR/LG
11	V20 18BK/WT
12	G10 18LG/RD

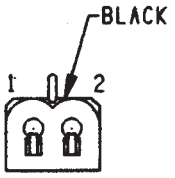


GLOVE BOX LAMP AND SWITCH

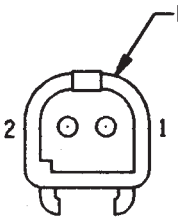
C248

CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B (+)
2	Z1 18BK	GROUND

C249

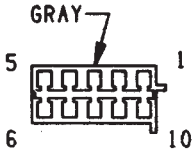


CAV	CIRCUIT
1	Z1 20BK
2	M2 20YL

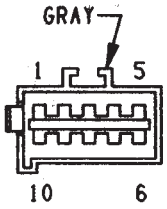


CAV	CIRCUIT
1	Z1 20BK
2	M2 20YL

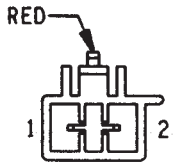
C301



CAV	CIRCUIT
1	P2 18BK/WT
1	P2 18BK/WT
2	Q17 14RD/BK
3	Q17 14DB/WT
4	—
5	P38 200R/WT
6	P34 18PK/BK
6	P34 18PK/BK
7	Z1 14BK
8	Q1 14YL
9	—
10	C15 16BK/WT



CAV	CIRCUIT	
1	P2 18BK/WT	
1	P2 18BK/WT	2 DR
2	Q27 14RD/BK	4 DR
3	Q17 14DB/WT	4 DR
4	—	
5	P38 200R/WT	
6	P34 18PK/BK	
6	P34 18PK/BK	2 DR
7	Z1 14BK	
8	Q1 14YL	4 DR
9	—	
10	C15 14BK/WT	

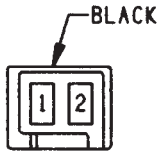


LEFT REAR DOOR WINDOW MOTOR

C302

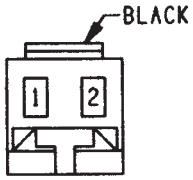
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	LT RR P/W UP/DOWN CONTROL
2	Q22 14VT	LT RR P/W UP/DOWN CONTROL

C303



LEFT REAR DOOR JAMB SWITCH

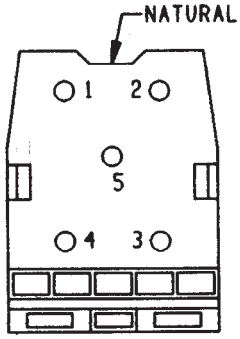
CAV	CIRCUIT	FUNCTION
1	M2 20YL	COURTESY LAMPS DRIVER
1	M2 18YL	COURTESY LAMPS DRIVER
2	Z1 20BK	GROUND



LEFT REAR DOOR LOCK MOTOR

C304

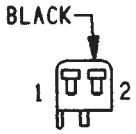
CAV	CIRCUIT	FUNCTION
1	P2 18BK/WT	DOOR LOCK RELAY OUTPUT
2	P34 18PK/BK	DOOR UNLOCK DRIVER



LEFT REAR DOOR WINDOW SWITCH

C305

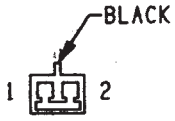
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	LT RR P/W UP/DOWN CONTROL
2	Q27 14RD/BK	LT RR P/W UP/DOWN CONTROL
3	Q22 14VT	LT RR P/W UP/DOWN CONTROL
4	Q17 14DB/WT	LT RR P/W UP/DOWN CONTROL
5	Q1 14YL	POWER WINDOW MASTER SWITCH OUTPUT



SEAT BELT SWITCH

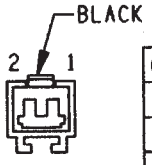
C306

CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	G10 20LG/RD	SEAT BELT SWITCH SENSE

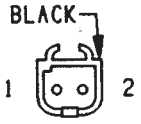


C307

CAV	CIRCUIT
1	E2 200R
2	Z1 20BK

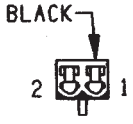


CAV	CIRCUIT
1	E2 200R
1	E2 200R
2	Z1 20BK
2	Z1 20BK



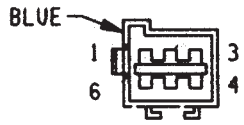
C308

CAV	CIRCUIT
1	Z1 14BK
2	A11 12BK/GY

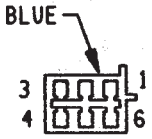


CAV	CIRCUIT
1	Z1 14BK
2	A11 12BK/GY

C309

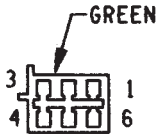


CAV	CIRCUIT
1	L60 18TN
2	Z1 18BK
3	L35 18BR/WT
4	L10 20BR/LG
5	L90 18DB/RD
5	L90 18DB/RD
6	L50 18WT/TN

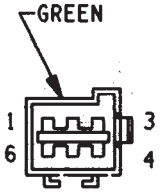


CAV	CIRCUIT
1	L60 18TN
1	L60 18TN
2	Z1 18BK
3	L35 18BR/WT
3	L35 18BR/WT
4	L10 18BR/LG
4	L10 18BR/LG
5	L90 18DB/RD
5	L90 18DB/RD
6	L50 18WT/TN
6	L50 18WT/TN

C310

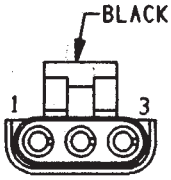


CAV	CIRCUIT
1	M2 18YL
2	E2 20OR
3	G4 20DB
4	G9 20GY/BK
5	P38 20OR/WT
6	A241 14DG/TN

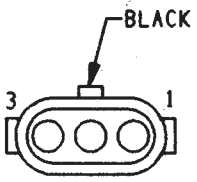


CAV	CIRCUIT
1	M2 18YL
2	E2 20OR
3	G4 20DB
4	G9 20GY/BK
5	P38 20OR/WT
6	A241 14DG/TN

C311

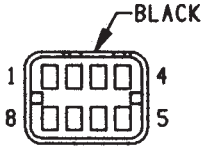


CAV	CIRCUIT
1	Z1 14BK
2	G4 20DB
3	A241 14DG/TN

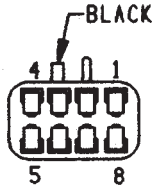


CAV	CIRCUIT
1	99 18BK
2	57 16VT
2	F9 140R

C312

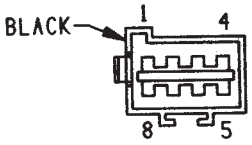


CAV	CIRCUIT
1	P2 18BK/WT
2	P34 18PK/BK
3	M4 20VT/YL
4	L50 18WT/TN
5	V13 18BR/LG
6	F20 18WT
7	V20 18BK/WT
8	L90 18DB/RD

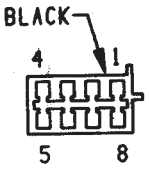


CAV	CIRCUIT
1	P2 18BK/WT
2	P34 18PK/BK
3	M4 20VT/YL
4	L50 18WT/TN
5	V13 18BR/RD
6	F20 18WT
7	V20 18BK/YL
8	L90 20DB/RD

C313



CAV	CIRCUIT
1	L10 18BR/LG
2	L61 18LG
3	Z1 16BK
4	L36 18LG/BK
5	L90 18DB/RD
6	L50 18WT/TN
6	L50 18WT/TN
7	A11 14RD
8	L60 18TN

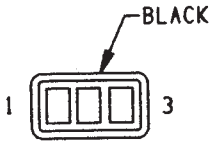


CAV	CIRCUIT
1	L10 20BR/LG
2	L61 18LG
3	Z1 18BK
4	L35 18BR/WT
5	L90 18DB/RD
6	L50 18WT/TN
6	L50 18WT/TN
7	A11 14BK/GY
8	L60 18TN

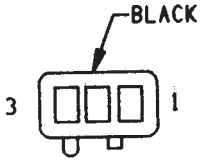
(TRAILER TOW HARNESS ONLY)

CAV	CIRCUIT
1	L10 18BR/LG
1	L10 18BR/LG
2	L61 18LG
2	L61 18LG
3	Z1 20BK
4	L36 18LG/BK
5	L90 18DB/RD
5	L90 18DB/RD
6	L50 18WT/TN
7	—
8	—

C314

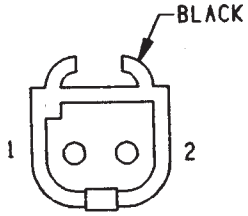


CAV	CIRCUIT
1	M1 18PK
2	M2 18YL
3	M4 20VT/YL

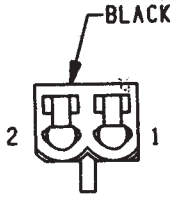


CAV	CIRCUIT
1	M1 20PK
2	M2 20YL
3	G71 20VT/YL

C315

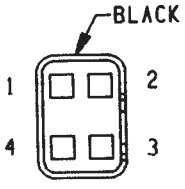


CAV	CIRCUIT
1	Z1 12BK
2	C15 14BK/WT

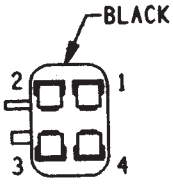


CAV	CIRCUIT
1	Z1 14BK
2	C15 14BK/RD

C316

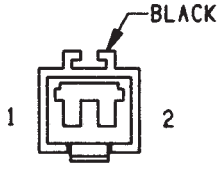


CAV	CIRCUIT
1	X58 20DB/OR
2	X52 20DB/WT
3	X57 20BR/LB
4	X51 20BR/YL

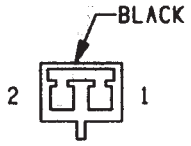


CAV	CIRCUIT
1	X58 20DB/OR
2	X52 20DB/WT
3	X57 20BR/LB
4	X51 20BR/YL

C317

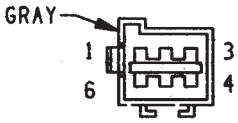


CAV	CIRCUIT
1	96 14DB
2	—

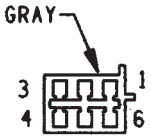


CAV	CIRCUIT
1	96 14LB
2	—

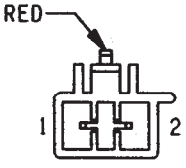
C318



CAV	CIRCUIT
1	——
2	P34 18PK/BK
3	P2 18BK/WT
4	Q18 14GY/BK
5	Q28 14DG/WT
6	Q1 14YL



CAV	CIRCUIT
1	——
2	P34 18PK/BK
3	P2 18BK/WT
4	Q18 14GY/BK
5	Q28 14DG/WT
6	Q1 14YL

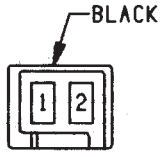


RIGHT REAR DOOR WINDOW MOTOR

C319

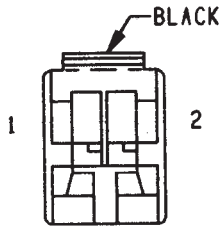
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RT RR P/W UP/DOWN CONTROL
2	Q22 14VT	RT RR P/W UP/DOWN CONTROL

C320



RIGHT REAR DOOR JAMB SWITCH

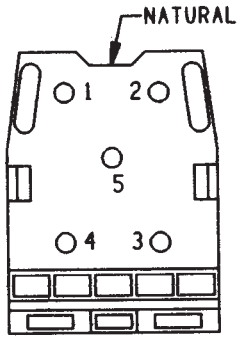
CAV	CIRCUIT	FUNCTION
1	M2 18YL	COURTESY LAMPS DRIVER
2	Z1 18BK	GROUND



RIGHT REAR DOOR LOCK MOTOR

C321

CAV	CIRCUIT	FUNCTION
1	P2 18BK/WT	DOOR LOCK RELAY OUTPUT
2	P34 18PK/BK	DOOR UNLOCK DRIVER

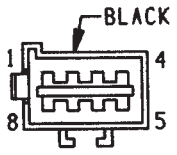


RIGHT REAR DOOR WINDOW SWITCH

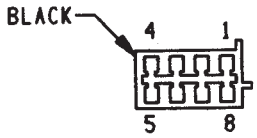
C322

CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RT RR P/W UP/DOWN CONTROL
2	Q28 14DG/WT	RT RR P/W UP/DOWN CONTROL
3	Q22 14VT	RT RR P/W UP/DOWN CONTROL
4	Q18 14GY/BK	RT RR P/W UP/DOWN CONTROL
5	Q1 14YL	POWER WINDOW MASTER SWITCH OUTPUT

C323

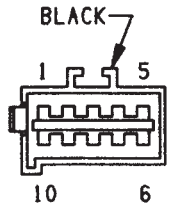


CAV	CIRCUIT
1	L10 18BR/LG
2	L60 18TN
3	Z1 18BK
4	—
5	L90 18DB/RD
6	L50 18WT/TN
7	—
8	—

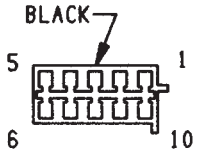


CAV	CIRCUIT
1	L10 18BR/LG
2	L60 18TN
3	Z1 18BK
4	L35 18BR/WT
5	L90 18DB/RD
6	L50 18WT/TN
7	—
8	—

C324

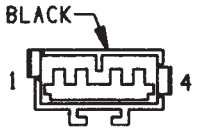


CAV	CIRCUIT
1	P34 18PK/BK
2	P2 18BK/WT
3	P36 20PK/VT
4	P35 20OR/VT
5	P38 20OR/WT
6	—
7	P80 20YL
8	P81 20DB
9	P79 20DB/LB
10	C15 16BK/WT

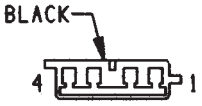


CAV	CIRCUIT
1	P34 18PK/BK
2	P2 18BK/WT
3	P36 14PK/VT
4	P35 14OR/VT
5	P38 14OR/WT
6	—
7	P78 20YL/LG
8	P77 20WT/BK
9	P79 20DB/LB
10	C15 16BK/WT

C325

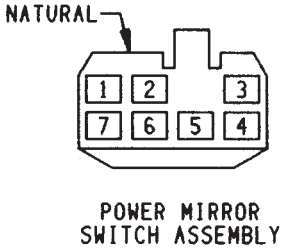


CAV	CIRCUIT
1	Q1 14YL
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Z1 14BK



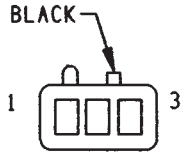
CAV	CIRCUIT
1	Q1 14YL
2	Q16 14BR/WT
3	Q26 14VT/WT
4	Z1 16BK

C326



POWER MIRROR SWITCH ASSEMBLY

CAV	CIRCUIT	FUNCTION
1	P60 20BR/WT	FUSED B(+)
2	Z1 14BK	GROUND
3	P79 20DB/LB	RETURN
4	P80 20YL	UP/DOWN MOTOR—LEFT
5	P81 20DB	RIGHT/LEFT MOTOR—LEFT
6	P77 20WT/BK	RIGHT/LEFT MOTOR—RIGHT
7	P78 20YL/LG	UP/DOWN MOTOR—RIGHT

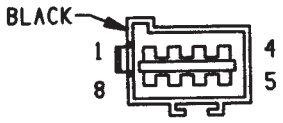


DOME/READING LAMPS

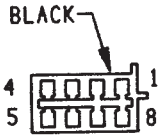
C327

CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B(+)
2	M2 20YL	COURTESY LAMP SWITCH OUTPUT
3	Z1 20BK	GROUND

C328

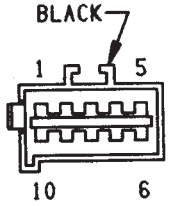


CAV	CIRCUIT
1	P2 18BK/WT
1	P2 18BK/WT
2	P35 200R/VT
2	P35 200R/VT
3	P77 20WT/BK
4	P79 20DB/LB
5	P34 18PK/BK
5	P34 18PK/BK
6	P36 20PK/VT
6	P36 20PK/VT
7	P78 20YL/LG
8	C15 16BK/WT

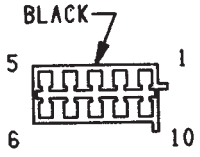


CAV	CIRCUIT
1	P2 18BK/WT
2	P35 140R/VT
3	P77 20WT/BK
4	P79 20DB/LB
5	P34 18PK/BK
6	P36 14PK/VT
7	P80 20YL
8	C15 16BK/RD

C329

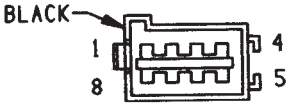


CAV	CIRCUIT
1	Q18 14GY/BK
2	Q1 14YL
3	F81 12TN
4	Q26 14VT/WT
5	Q16 14BR/WT
6	Q17 14DB/WT
7	Q28 14DG/WT
8	Q27 14RD/BK
9	P38 200R/WT
9	P38 200R/WT
10	Z1 14BK

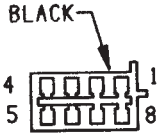


CAV	CIRCUIT
1	Q18 14GY/BK
2	Q1 14YL
3	F81 12TN
4	Q26 14VT/WT
5	Q16 14BR/WT
6	Q17 14DB/WT
7	Q28 14DG/WT
8	Q27 14RD/BK
9	P38 140R/WT
10	Z1 14BK

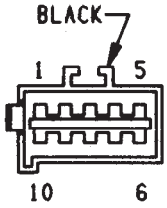
C330



CAV	CIRCUIT
1	P35 200R/VT
1	P35 200R/VT
2	—
3	P77 20WT/BK
4	P79 20DB/LB
5	P2 18BK/WT
6	P34 18PK/BK
7	—
8	P36 20PK/VT
8	P36 20PK/VT

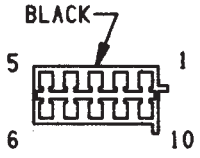


CAV	CIRCUIT
1	P35 140R/VT
2	—
3	P77 20WT/BK
4	P79 20DB/LB
5	P2 18BK/WT
6	P34 18PK/BK
7	—
8	P36 14PK/VT

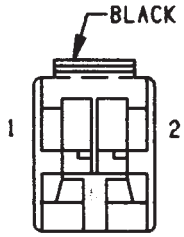


C331

CAV	CIRCUIT
1	Q1 14YL
2	—
3	F81 12TN
4	Q26 14VT/WT
5	Q16 14BR/WT
6	P38 200R/WT
6	P38 200R/WT
7	Z1 14BK
8	P78 20YL/LG
9	—
10	C15 16BK/WT



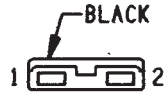
CAV	CIRCUIT
1	Q1 14YL
2	—
3	F81 12TN
4	Q26 14VT/WT
5	Q16 14BR/WT
6	P38 140R/WT
7	Z1 14BK
8	P80 20YL
9	—
10	C15 16BK/WT



LEFT FRONT DOOR LOCK MOTOR

C332

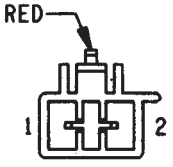
CAV	CIRCUIT	FUNCTION
1	P2 18BK/WT	DOOR LOCK RELAY OUTPUT
2	P34 18PK/BK	DOOR UNLOCK DRIVER



LEFT FRONT DOOR SPEAKER

C333

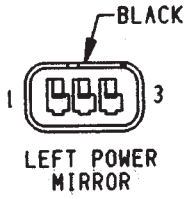
CAV	CIRCUIT	FUNCTION
1	X53 20DG	LEFT FRONT SPEAKER (+)
2	X55 20BR/RD	LEFT FRONT SPEAKER (−)



LEFT FRONT DOOR WINDOW MOTOR

C334

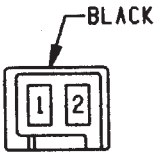
CAV	CIRCUIT	FUNCTION
1	Q11 14LB	LT FRONT P/W UP/DOWN CONTROL
2	Q21 14WT	LT FRONT P/W UP/DOWN CONTROL



LEFT POWER MIRROR

C335

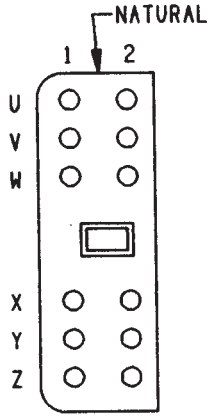
CAV	CIRCUIT	FUNCTION
1	P79 20DB/LB	GROUND
2	P77 20WT/BK	RIGHT/LEFT MOTOR—LEFT
3	P78 20YL/LG	UP/DOWN MOTOR—LEFT



LEFT POWER MIRROR HEATER ELEMENT

C336

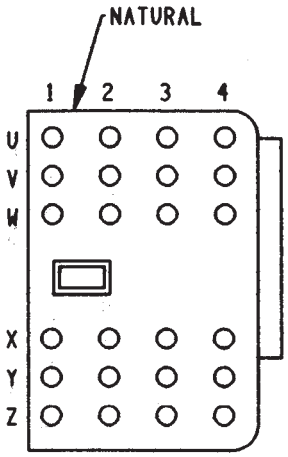
CAV	CIRCUIT	FUNCTION
1	C15 16BK/WT	HEATED REAR WINDOW RELAY OUTPUT
2	Z1 16BK	GROUND



LEFT FRONT DOOR LOCK SWITCH

C337

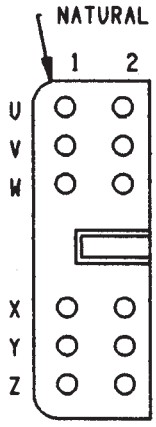
CAV	CIRCUIT	FUNCTION
U1	—	—
U2	Q16 14BR/WT	MASTER SWITCH—MOTOR UP
V1	Q21 14WT	LT FT P/W UP/DOWN CONTROL
V2	Q11 14LB	LT FT P/W UP/DOWN CONTROL
W1	Q26 14VT/WT	MASTER SWITCH—MOTOR DOWN
W2	Q1 14YL	MASTER SWITCH FEED
X1	P38 14OR/WT	DOOR LOCK RELAY CONTROL
X2	—	—
Y1	P36 14PK/VT	DOOR LOCK SWITCH OUTPUT (UNLOCK)
Y2	P35 14OR/VT	DOOR LOCK SWITCH OUTPUT (LOCK)
Z1	—	—
Z2	—	—



RIGHT
FRONT DOOR
LOCK
SWITCH

C338

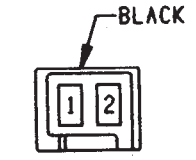
CAV	CIRCUIT	FUNCTION
U1	—	—
U2	—	—
U3	—	—
U4	—	—
V1	Q1 14YL	MASTER SWITCH OUTPUT
V2	F81 12TN	FUSED IGNITION SWITCH OUTPUT
V3	Q26 14VT/WT	POWER WINDOW MASTER SWITCH-MOTOR UP (2-DOOR ONLY)
V3	Q28 14DG/WT	RIGHT REAR P/W UP/DOWN CONTROL (4-DOOR ONLY)
V4	Q16 14BR/WT	POWER WINDOW MASTER SWITCH-MOTOR DOWN (2-DOOR ONLY)
V4	Q18 14GY/BR	RIGHT REAR P/W UP/DOWN CONTROL (4-DOOR ONLY)
W1	—	—
W2	—	—
W3	Z1 14PK	GROUND
W4	—	—
X1	P38 14OR/WT	DOOR LOCK RELAY CONTROL
X2	—	—
X3	—	—
X4		
Y1	P36 14PK/VT	DOOR LOCK SWITCH OUTPUT (UNLOCK)
Y2	P35 14OR/VT	DOOR LOCK SWITCH OUTPUT (LOCK)
Y3	Q22 14VT	RIGHT FRONT P/W UP/DOWN CONTROL
Y4	Q12 14BR	RIGHT FRONT P/W UP/DOWN CONTROL
Z1	—	—
Z2	—	—
Z3	—	—
Z4	—	—



RIGHT
WINDOW SWITCH

C339

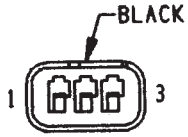
CAV	CIRCUIT	FUNCTION
U1	—	—
U2	—	—
V1	Q27 14RD/BK	RIGHT REAR P/W UP/DOWN CONTROL
V2	Q17 14DB/WT	RIGHT REAR P/W UP/DOWN CONTROL
W1	—	—
W2	—	—
X1	—	—
X2	—	—
Y1	Q26 14VT/WT	POWER WINDOW MASTER SWITCH-MOTOR UP
Y2	Q16 14BR/WT	POWER WINDOW MASTER SWITCH-MOTOR DOWN
Z1	—	—
Z2	—	—



RIGHT POWER MIRROR HEATER ELEMENT

C340

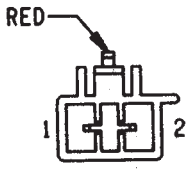
CAV	CIRCUIT	FUNCTION
1	C15 16BK/RD	HEATED REAR WINDOW RELAY OUTPUT
2	Z1 16BK	GROUND



RIGHT POWER MIRROR

C341

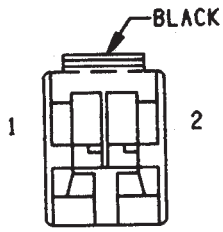
CAV	CIRCUIT	FUNCTION
1	P80 20YL	UP/DOWN MOTOR-RIGHT
2	P77 20WT/BK	RIGHT/LEFT MOTOR-RIGHT
3	P79 20DB/LB	GROUND



RIGHT FRONT DOOR WINDOW MOTOR

C342

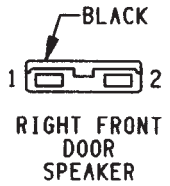
CAV	CIRCUIT	FUNCTION
1	Q12 14BR	RT FT P/W UP/DOWN CONTROL
2	Q22 14VT	RT FT P/W UP/DOWN CONTROL



RIGHT FRONT DOOR LOCK MOTOR

C343

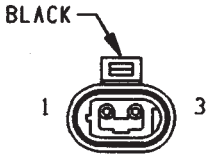
CAV	CIRCUIT	FUNCTION
1	P2 18BK/WT	DOOR LOCK RELAY OUTPUT
2	P34 18PK/BK	DOOR UNLOCK DRIVER



RIGHT FRONT DOOR SPEAKER

C344

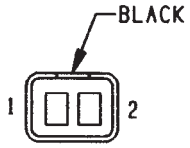
CAV	CIRCUIT	FUNCTION
1	X54 20VT	RIGHT FRONT SPEAKER (+)
2	X56 20DB/RD	RIGHT FRONT SPEAKER (–)



G-SENSOR

C345

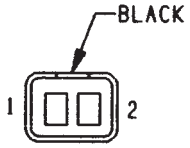
CAV	CIRCUIT	FUNCTION
1	B516 18TN/WT	G-SENSOR # 2 SENSE
2	B515 18YL/VT	G-SENSOR # 1 SENSE
3	B517 18PK/OR	G-SENSOR GROUND



RIGHT REAR WHEEL SPEED SENSOR

C346

CAV	CIRCUIT	FUNCTION
1	B1 18YL/DB	RIGHT REAR WHEEL SPEED SENSOR (–)
2	B2 18YL	RIGHT REAR WHEEL SPEED SENSOR (+)

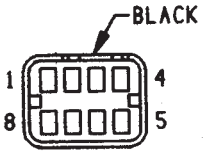


LEFT REAR WHEEL SPEED SENSOR

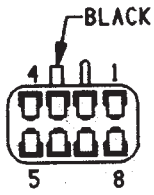
C347

CAV	CIRCUIT	FUNCTION
1	B4 18LG	LEFT REAR WHEEL SPEED SENSOR (+)
2	B3 18LG/DB	LEFT REAR WHEEL SPEED SENSOR (–)

C348

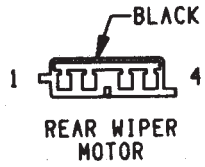


CAV	CIRCUIT
1	M4 20VT/YL
2	L50 18WT/TN
3	P2 18BK/WT
4	P34 18PK/BK
5	V13 18BR/RD
6	F20 18WT
7	V20 18BK/YL
8	L90 18DB/RD



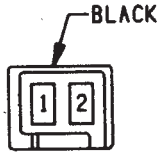
CAV	CIRCUIT
1	M4 20VT/YL
2	L50 18WT/TN
3	P2 18BK/WT
4	P34 18PK/BK
5	V13 18BR/RD
6	F20 18WT
7	V20 18BK/YL
8	L90 20DB/RD

C349

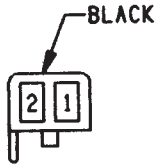


CAV	CIRCUIT	FUNCTION
1	Z1 18BK	GROUND
2	V20 18BK/YL	REAR WASHER PUMP MOTOR CONTROL
3	V13 18BR/RD	REAR WIPER SWITCH OUTPUT
4	F20 18WT	FUSED IGNITION SWITCH OUTPUT

C350

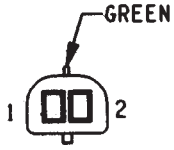


CAV	CIRCUIT
1	L50 18WT/TN
2	Z1 20BK



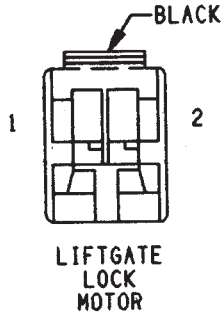
CAV	CIRCUIT
1	L50 18WT/TN
2	Z1 20BK

C351



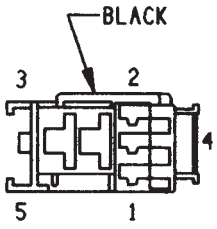
CAV	CIRCUIT
1	L90 20DB/RD
2	Z1 20BK

CAV	CIRCUIT
1	L90 20DB/RD
2	Z1 20BK



C352

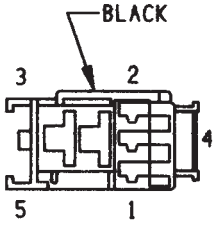
CAV	CIRCUIT	FUNCTION
1	P34 18PK/BK	DOOR UNLOCK DRIVER
2	P2 18BK/WT	DOOR LOCK RELAY OUTPUT



RIGHT TURN RELAY

C353

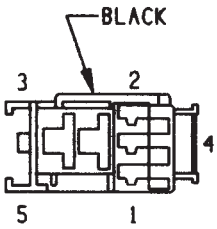
CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	Z1 20BK	GROUND
3	L60 18TN	RIGHT TURN SIGNAL
4	95 18PK	STOP LAMP RELAY OUTPUT
5	94 18DG	STOP LAMP RELAY OUTPUT



LEFT TURN RELAY

C354

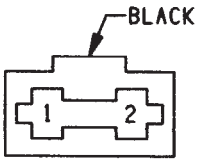
CAV	CIRCUIT	FUNCTION
1	L61 18LG	LEFT TURN SIGNAL
2	Z1 20BK	GROUND
3	L61 18LG	LEFT TURN SIGNAL
4	95 18PK	STOP LAMP RELAY OUTPUT
4	95 18PK	STOP LAMP RELAY OUTPUT
5	94 18DG	STOP LAMP RELAY OUTPUT
5	94 18DG	STOP LAMP RELAY OUTPUT



STOP LAMP RELAY

C355

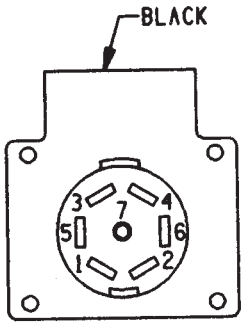
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	Z1 20BK	GROUND
3	A11 18RD/BK	GENERATOR OUTPUT
4	94 18DG	STOP LAMP RELAY OUTPUT
5	95 18PK	STOP LAMP RELAY OUTPUT



IN-INE CIRCUIT BREAKER

C356

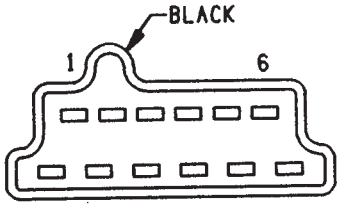
CAV	CIRCUIT	FUNCTION
1	A11 14RD	GENERATOR OUTPUT
2	A11 18RD/BK	GENERATOR OUTPUT



TRAILER TOW CONNECTOR

C358

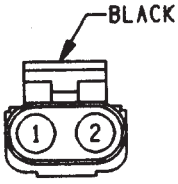
CAV	CIRCUIT	FUNCTION
1	Z1 16BK	GROUND
2	96 14LB	ELECTRIC BRAKE FEED
3	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
4	A11 14RD	GENERATOR OUTPUT
5	L61 18LG	LEFT TURN SIGNAL
6	L60 18TN	RIGHT TURN SIGNAL
7	L10 18BR/LG	BACK-UP LAMP SWITCH OUTPUT



OVERHEAD CONSOLE

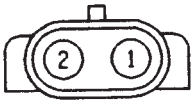
C359

CAV	CIRCUIT	FUNCTION
1	—	—
2	Z2 20BK/LG	GROUND
3	—	—
4	Z1 20BK	GROUND
5	M1 20PK	FUSED B(+)
6	M1 20PK	FUSED B(+)
7	F87 20WT/BK	FUSED IGNITION SWITCH OUTPUT
8	M2 20YL	COURTESY LAMP SWITCH OUTPUT
9	G31 20BK/LB	AMBIENT AIR TEMP SENSOR SIGNAL
10	G32 20VT/LG	SENSOR GROUND
11	—	—
12	L90 20DB/RD	PARK LAMP SWITCH OUTPUT
13	E2 20OR/BK	PANEL LAMPS DRIVER

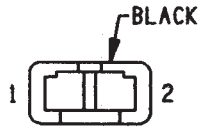


C360

CAV	CIRCUIT
1	G107 18BK/RD
2	G106 18GY/YL



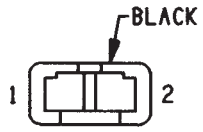
CAV	CIRCUIT
1	G107 20BK/RD
2	G106 20GY/YL



LEFT
LIFTGATE
SPEAKER

C401

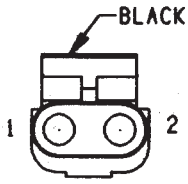
CAV	CIRCUIT	FUNCTION
1	X51 20BR/YL	LEFT REAR SPEAKER (+)
2	X57 20BR/LB	LEFT REAR SPEAKER (—)



RIGHT
LIFTGATE
SPEAKER

C402

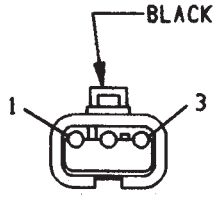
CAV	CIRCUIT	FUNCTION
1	X52 20DB/WT	RIGHT REAR SPEAKER (+)
2	X58 20DB/OR	RIGHT REAR SPEAKER (—)



4WD SWITCH

C403

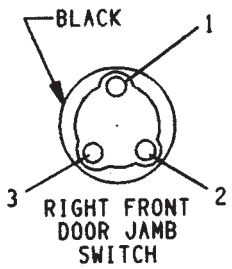
CAV	CIRCUIT	FUNCTION
1	X4 18GY/OR	4WD SWITCH OUTPUT
2	Z1 18BK	GROUND



VEHICLE
SPEED
SENSOR

C404

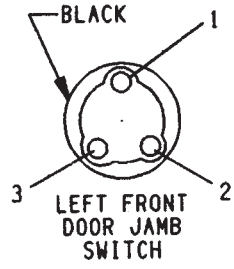
CAV	CIRCUIT	FUNCTION
1	G7 18WT/OR	VEHICLE SPEED SENSOR SIGNAL
2	K4 18BK/LB	SENSOR GROUND
3	K7 18OR	8-VOLT SUPPLY



RIGHT FRONT DOOR JAMB SWITCH

C405

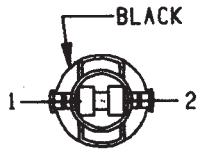
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	G26 20LB	KEY-IN IGNITION SWITCH SENSE
3	M2 20YL	COURTESY LAMPS DRIVER



LEFT FRONT DOOR JAMB SWITCH

C406

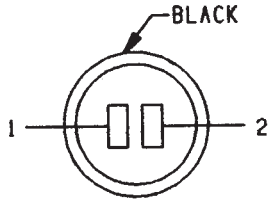
CAV	CIRCUIT	FUNCTION
1	Z1 20BK	GROUND
2	M2 20YL	COURTESY LAMPS DRIVER
3	—	—



TRANSFER CASE LAMP

C407

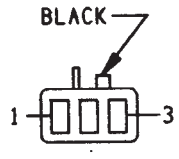
CAV	CIRCUIT	FUNCTION
1	E2 200R	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



TRANSMISSION RANGE INDICATOR LAMP

C408

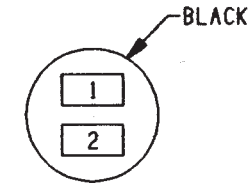
CAV	CIRCUIT	FUNCTION
1	E2 200R	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



CARGO LAMP

C409

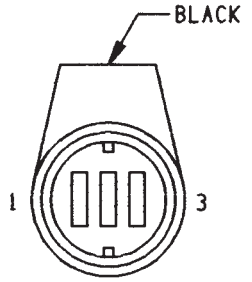
CAV	CIRCUIT	FUNCTION
1	M1 20PK	FUSED B (+)
2	M2 20YL	COURTESY LAMPS DRIVER
3	G71 20VT/YL	LIFTGATE LATCH SWITCH SENSE



ASH RECEIVER LAMP

C410

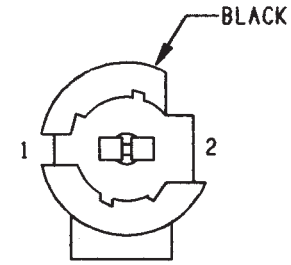
CAV	CIRCUIT	FUNCTION
1	E2 200R/BK	PANEL LAMPS DRIVER
2	Z1 20BK	GROUND



FUEL TANK LEVEL GAUGE SENDING UNIT

C411

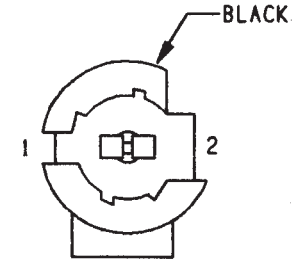
CAV	CIRCUIT	FUNCTION
1	F9 140R	FUEL PUMP RELAY OUTPUT
2	—	—
3	57 16VT	FUEL LEVEL SENSOR SIGNAL



CENTER HIGH MOUNTED STOP LAMP 1

C412

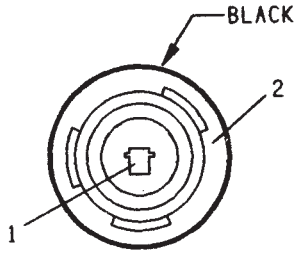
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	Z1 18BK	GROUND



CENTER HIGH MOUNTED STOP LAMP 2

C413

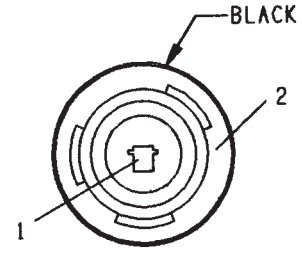
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	Z1 20BK	GROUND
2	Z1 18BK	GROUND



LEFT BACK-UP LAMP

C414

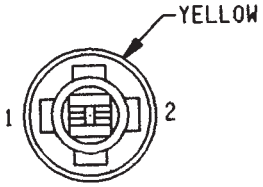
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	BACK-UP LAMP SWITCH OUTPUT
2	Z1 18BK	GROUND



RIGHT BACK-UP LAMP

C415

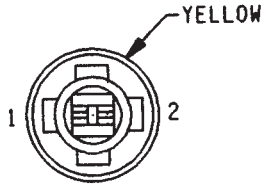
CAV	CIRCUIT	FUNCTION
1	L10 18BR/LG	BACK-UP LAMP SWITCH OUTPUT
2	Z1 18BK	GROUND



LEFT SIDE MARKER LAMP

C416

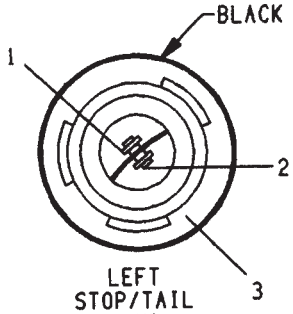
CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	Z1 18BK	GROUND



RIGHT SIDE MARKER LAMP

C417

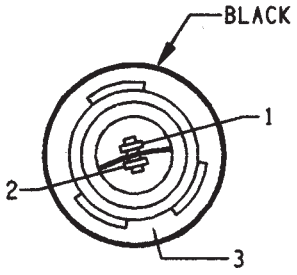
CAV	CIRCUIT	FUNCTION
1	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
2	Z1 18BK	GROUND



LEFT STOP/TAIL LAMP

C418

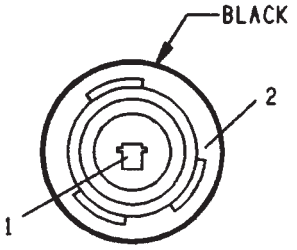
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
3	Z1 18BK	GROUND



RIGHT STOP/TAIL LAMP

C419

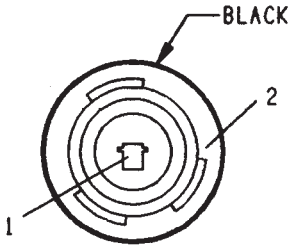
CAV	CIRCUIT	FUNCTION
1	L50 18WT/TN	STOP LAMP SWITCH OUTPUT
2	L90 18DB/RD	PARK LAMP SWITCH OUTPUT
3	Z1 18BK	GROUND



LEFT TURN LAMP

C420

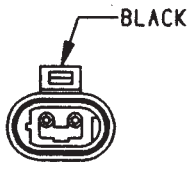
CAV	CIRCUIT	FUNCTION
1	L61 18LG	LEFT TURN SIGNAL
2	Z1 18BK	GROUND



RIGHT TURN LAMP

C421

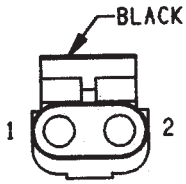
CAV	CIRCUIT	FUNCTION
1	L60 18TN	RIGHT TURN SIGNAL
2	Z1 18BK	GROUND



AMBIENT AIR TEMPERATURE SENSOR

C422

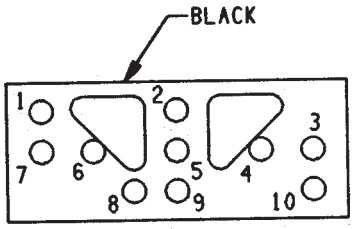
CAV	CIRCUIT	FUNCTION
1	G32 18BK/LB	SENSOR GROUND
2	G31 18VT/LG	AMBIENT AIR TEMPERATURE SENSOR SIGNAL



4WD INDICATOR LAMP

C423

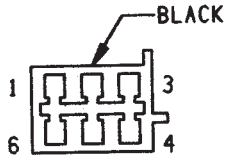
CAV	CIRCUIT	FUNCTION
1	G107 18BK/RD	4WD SWITCH OUTPUT
2	G106 18GY/YL	4WD INDICATOR LAMP



LEFT POWER SEAT SWITCH

C424

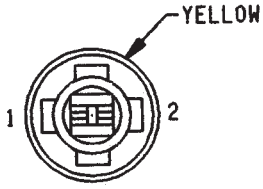
CAV	CIRCUIT	FUNCTION
1	—	—
2	S3 14TN	POWER SEAT SWITCH OUTPUT-FORWARD
3	S1 14YL	POWER SEAT SWITCH OUTPUT-RAISE REAR
4	S2 14LG	POWER SEAT SWITCH OUTPUT-LOWER REAR
5	Z1 14BK	GROUND
6	S5 140R	POWER SEAT SWITCH OUTPUT-RAISE FRONT
7	S6 14LB	POWER SEAT SWITCH OUTPUT-LOWER FRONT
8	A11 14RD	FUSED B(+)
9	S4 14WT	POWER SEAT SWITCH OUTPUT-REARWARD
10	—	—



LEFT POWER SEAT MOTOR ASSEMBLY

C425

CAV	CIRCUIT	FUNCTION
1	S1 14YL	POWER SEAT SWITCH OUTPUT-RAISE REAR
2	S4 14WT	POWER SEAT SWITCH OUTPUT-REARWARD
3	S3 14TN	POWER SEAT SWITCH OUTPUT-FORWARD
4	S5 140R	POWER SEAT SWITCH OUTPUT-RAISE FRONT
5	S6 14LB	POWER SEAT SWITCH OUTPUT-LOWER FRONT
6	S2 14LG	POWER SEAT SWITCH OUTPUT-LOWER REAR



LICENSE LAMP

C426

CAV	CIRCUIT	FUNCTION
1	L90 20DB/RD	PARK LAMP SWITCH OUTPUT
2	Z1 20BK	GROUND

CONNECTOR LOCATIONS

GENERAL INFORMATION

This section provides illustrations identifying component and connector locations in the vehicle. A connector index is provided. Use the wiring diagrams in each section for connector number identification. Refer to the index for the proper figure number.

CONNECTOR LOCATIONS

Connector #	Color	Location	Fig.
C101	BK	Front Left of Engine Compartment	2
C102	BK	In Front of Washer Fluid Reservoir	2
C103	BK	Bottom of Washer Fluid Reservoir	2
C104	BK	Bottom of Washer Fluid Reservoir	2
C105	BK	Top of Washer Fluid Reservoir	2
C106	BK	Top of Radiator Fan Housing	2
C107	BK	Left Fender Side Shield	2
C108	BK	Left Fender Side Shield	2
C109	BK	Near Air Cleaner	2
C110	BK	Left Corner of Engine Compartment	2
C111	BK	Rear of Intake Manifold	4
C112	BK	On Throttle Body	4
C113	BK	On Throttle Body	4
C114	BK	Rear of Intake Manifold	4
C115	GN	Lower Right of I.P.	
C116	BK	Near ABS Control Module	
C117	GN	Center of Dash Panel	2
C118	BK	Injector No. 6	4
C119	BK	Injector No. 5	4
C120	BK	Injector No. 4	4
C121	BK	Injector No. 3	4
C122	BK	Injector No. 2	4
C123	BK	Injector No. 1	4
C124	BK	On Engine, Behind Power Steering Pump	4
C125	BK	On Thermostat Housing	4
C126	BK	On ABS Control Module	7
C127	BK	Near ABS Control Module	7
C128	BK	Near Distributor	4
C129	BK	Near Center of Dash Panel	3
C130	GY	Near Center of Dash Panel	3
C131	BK	Near Left Kick Panel	
C132	BK	On Steering Column	6
C133	BK	Near Center of Dash Panel	3
C134	BK	Center of Dash Panel	3
C135	BK	Below Brake Master Cylinder	3
C136	BK	Right Corner of Engine Compartment	3
C137	BK	Right Side of Hood	3
C138	BK	Near ABS Control Module	
C139	BK	Near ABS Control Module	7
C140	GY	Near ABS Control Module	7
C141	GN	Near ABS Control Module	7
C142	BK	Right Fender Side Shield	3
C143	BK	Right Fender Side Shield	3
C144	BK	Right Fender Side Shield	3
C145	BK	Right Fender Side Shield	3
C146	BK	Below Battery	3
C147	BK	Rear of Battery	5
C148	BK	At Starter Motor	4
C149	BK	Right Side of Engine Near Distributor	4
C150	BK	Rear of Generator	4
C151	BK	Rear of Generator	5
C152	BK	Behind Lens	1
C153	BK	Left Rear of Radiator Closure Panel	1
C154	BK	Behind Lens	1
C155	BK	Behind Lens	1
C156	BK	Behind Lens	1
C157	BK	Center of Grille Opening	1
C158	BK	Center of Grille Opening	1
C159	BK	Behind Lens	1
C160	BK	Behind Lens	1
C201	GY	Center Bottom of I.P.	8
C202	WT	Center Bottom of I.P.	8
C203	BK	Behind Right Kick Panel	12
C204	BK	Right Side of I.P.	
C205	BK	Left Rear of I.P.	8
C206	BK	Left Rear of I.P.	8
C207	BK	Near Right Kick Panel	7
C208	GN	Near Right Kick Panel	7
C209	RD	Behind Right Kick Panel	12
C210	BK	Behind Fender Side Shield	
C211	BK	Near Right Kick Panel	7
C212	BK	Near Right Kick Panel	
C213	BK	Rear of Headlamp Switch	10
C214	BK	Rear of I.P., Right of Steering Column	9
C215	BK	Rear of I.P., Right of Steering Column	9
C216	BK	Rear of I.P., Right of Steering Column	9
C217	RD	Rear of I.P., Right of Steering Column	9
C218	BK	Below Stop Lamp Switch	7
C219	BK	Rear of I.P., Right of Steering Column	9
C220	NAT	Rear of I.P. Cluster	10
C221	BK	Rear of I.P. Cluster	10
C222	NAT	Rear of I.P., Left of Steering Column	9
C223	BK	Rear of I.P., Left of Steering Column	9
C224	BK	Rear of I.P., Left of Steering Column	9
C225	BK	Rear of I.P., Left of Steering Column	9
C226	BK	On Steering Column	6
C227	BK	Near ABS Control Module	7
C228	WT	Center of I.P.	
C229	BK	Center of I.P.	
C230	BK	On Steering Column	6
C231	BK	On Steering Column	6
C232	BK	On Steering Column	6
C233	BK	Center Bottom of I.P.	8
C234	BK	Rear of I.P., Above Ash Receiver	8
C235	BK	Rear of Radio	9
C236	BR	Rear of A/C-Heater Controls	10
C237	BK	Center Bottom of I.P.	8
C238	BK	Near ABS Control Module	7

Connector #	Color	Location	Fig.
C239	BK	Rear of A/C-Heater Controls	10
C240	BK	Rear of A/C-Heater Controls	10
C241	BK	Center Bottom of I.P.	8
C242	GY	Lower Left of I.P.	7
C243	BK	Lower Left of I.P.	7
C244	GN	Near Left Kick Panel	7
C245	BK	Right Rear of I.P.	8
C246	BK	Right Rear of I.P.	8
C247	BK	Near Left Kick Panel	7
C248	GN	Glove Box	10
C249	BK	Near Left Kick Panel	7
C301	GY	Behind Left Kick Panel	
C302	RD	In Left Rear Door	13
C303	BK	In Left Rear Door	13
C304	BK	In Left Rear Door	13
C305	NAT	In Left Rear Door	13
C306	BK	Near Right Seat Belt Anchor	
C307	BK	Near Floor Console	
C308	BK	Below Seat	
C309	BL	Below Right Rear Seat	
C310	GN	Below Right Rear Seat	
C311	BK	Above Fuel Tank	19
C312	BK	In Liftgate	18
C313	BK	Left Rear Quarter Panel	15
C314	BK	Under Left Rear of Roof Liner	15
C315	BK	In Liftgate	18
C316	BK	Left Rear Quarter Panel	15
C317	BK	Left Rear Quarter Panel	15
C318	BK	Below Right Rear Seat	13
C319	RD	In Right Rear Door	13
C320	BK	In Right Rear Door	13
C321	BK	In Right Rear Door	13
C322	NAT	In Right Rear Door	13
C323	BK	Right Rear Quarter Panel	15
C324	BK	Behind Left Kick Panel	12
C325	BK	Behind Left Kick Panel	12
C326	NAT	In Floor Console	19
C327	BK	Behind Dome Lamp	11
C328	BK	Behind Right Kick Panel	12
C329	BK	Behind Right Kick Panel	12
C330	BK	Behind Right Kick Panel	12
C331	BK	Behind Right Kick Panel	12
C332	BK	In Left Door	12
C333	BK	In Left Door	12
C334	RD	In Left Door	12
C335	BK	In Left Door	12
C336	BK	In Left Door	12
C337	NAT	In Left Door	12
C338	NAT	In Right Door	12
C339	NAT	In Right Door	12
C340	BK	In Right Door	12
C341	BK	In Right Door	12
C342	RD	In Right Door	12
C343	BK	In Right Door	12
C344	BK	In Right Door	12
C345	BK	Below Left Rear Seat	14
C346	BK	Below Left Rear Seat	14
C347	BK	Below Left Rear Seat	14
C348	BK	In Liftgate	18
C349	BK	In Liftgate	18
C350	BK	In Liftgate	17
C351	GN	In Liftgate	18
C352	BK	In Liftgate	18
C353	BK	Right Rear Quarter Panel	15
C354	BK	Right Rear Quarter Panel	15
C355	BK	Right Rear Quarter Panel	15
C356	BK	Right Rear Quarter Panel	15
C357	BK	Left Rear Quarter Panel	
C358	BK	Left Rear Quarter Panel	16
C359	BK	Behind Overhead Console	11
C401	BK	Behind Sound Bar	15
C402	BK	Behind Sound Bar	15
C403	BK	Rear of Transfer Case	20
C404	BK	Rear of Transmission (2WD)	20
C404	BK	Rear of Transfer Case (4WD)	20
C405	BK	In Right Front Door	
C406	BK	In Right Front Door	
C407	BK	In Floor Console	
C408	BK	Below Floor Console	19
C409	BK	Behind Sound Bar	15
C410	BK	Center of I.P.	
C411	BK	At Fuel Tank	19
C412	BK	Behind Lens	17
C413	BK	Behind Lens	17
C414	BK	Behind Lens	
C415	BK	Behind Lens	
C416	BK	Behind Lens	
C417	BK	Behind Lens	
C418	BK	Behind Lens	
C419	BK	Behind Lens	
C420	BK	Behind Lens	
C421	BK	Behind Lens	
C422	BK	Right Fender Side Shield	
C423	BK	On I.P., Behind Lamp	
G101		Left Fender Side Shield	2
G102		Left Fender Side Shield	2
G103		Right Rear of Engine	4
G104		Right Rear of Engine	4
G105		Right Rear of Engine	4
G106		Right side of Engine, Below Ignition Coil	5
G107		Right side of Engine, Below Ignition Coil	5
G108		Right Fender Side Shield, Near Battery	5
G201		Below Headlamp Switch	
G301		Left Rear Quarter Panel	15

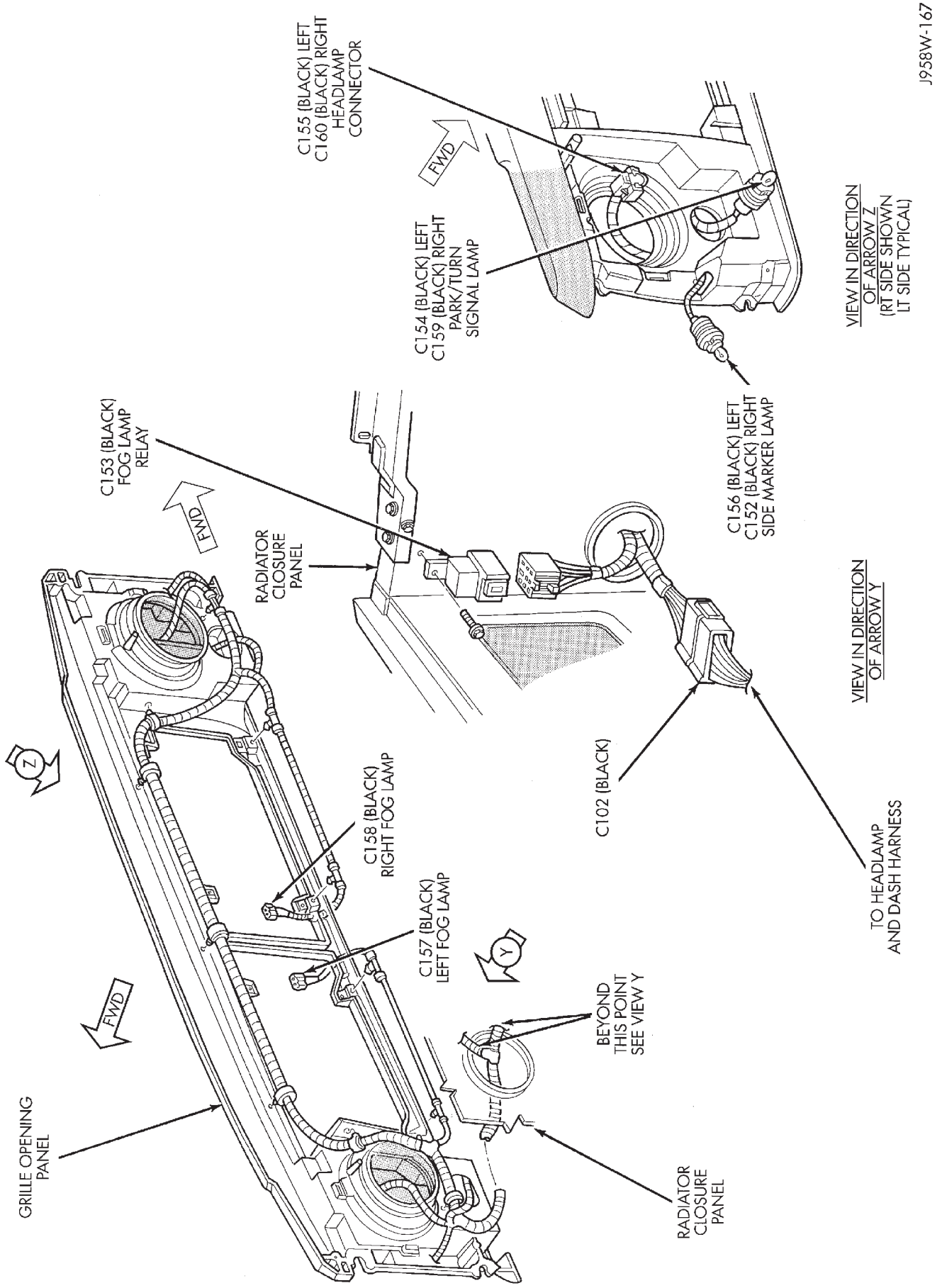


Fig. 1 Front End Lighting Connectors

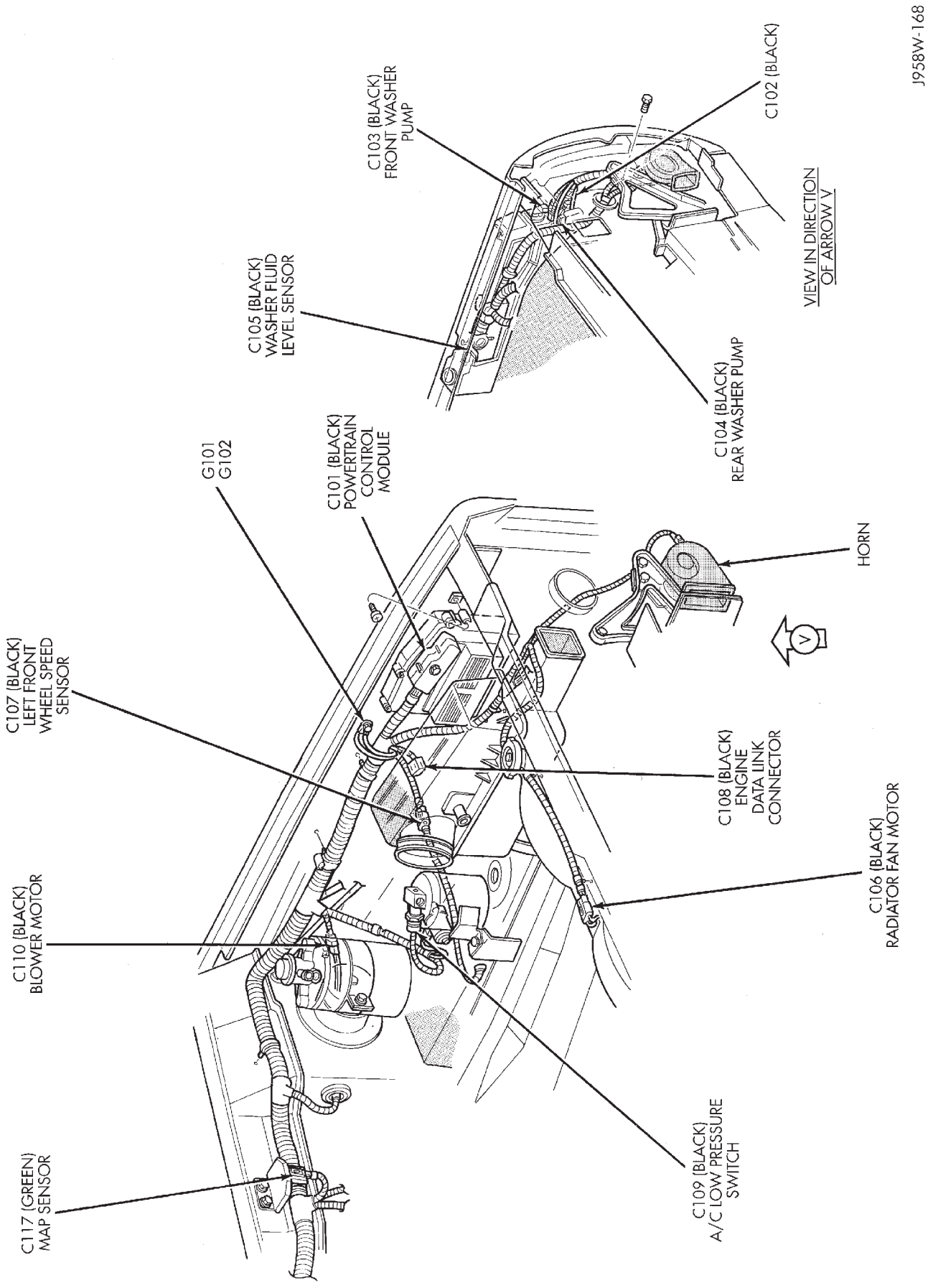


Fig. 2 Engine Compartment Wiring Connectors—Right Side

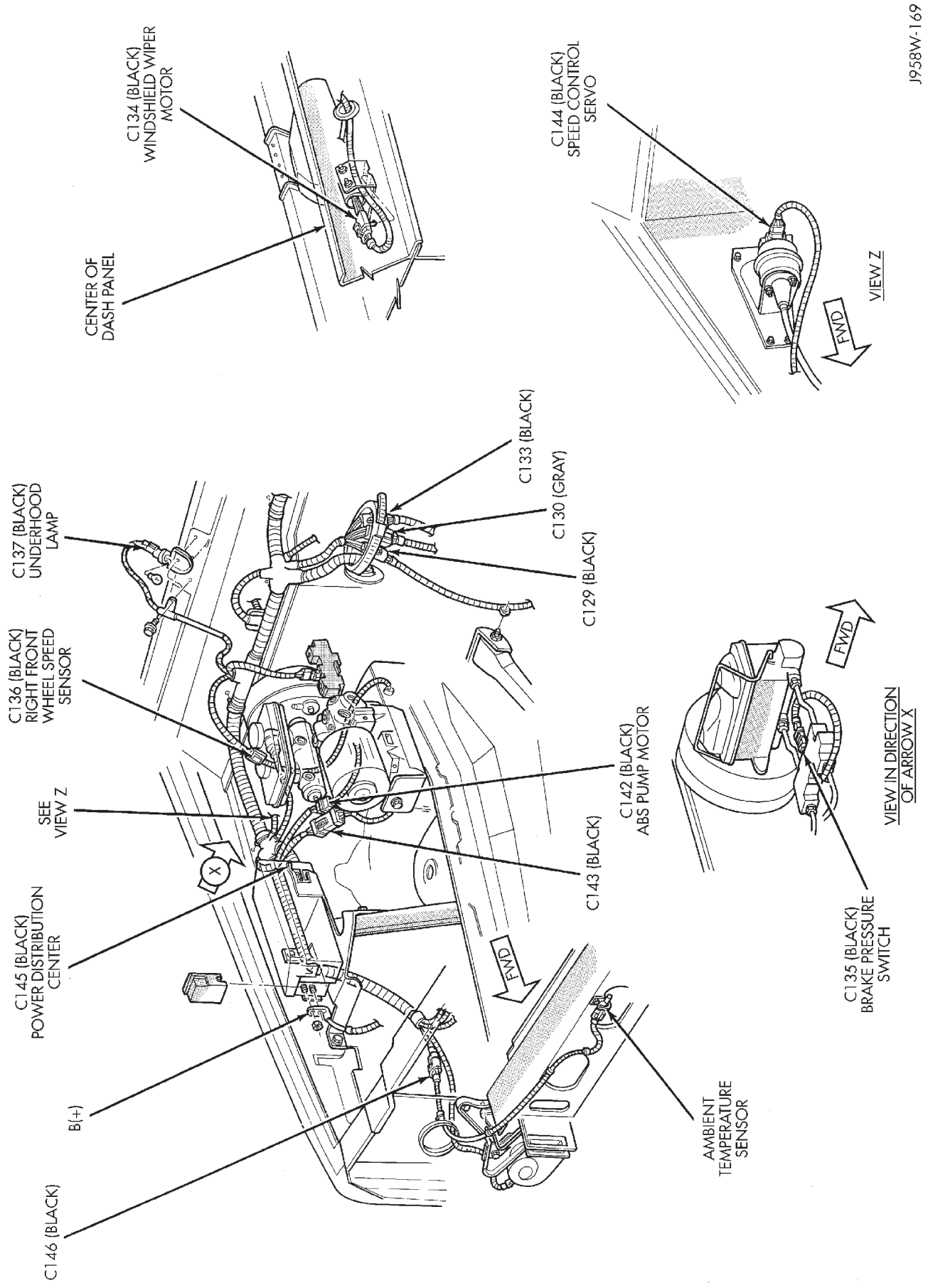


Fig. 3 Engine Compartment Wiring Connectors—Left Side

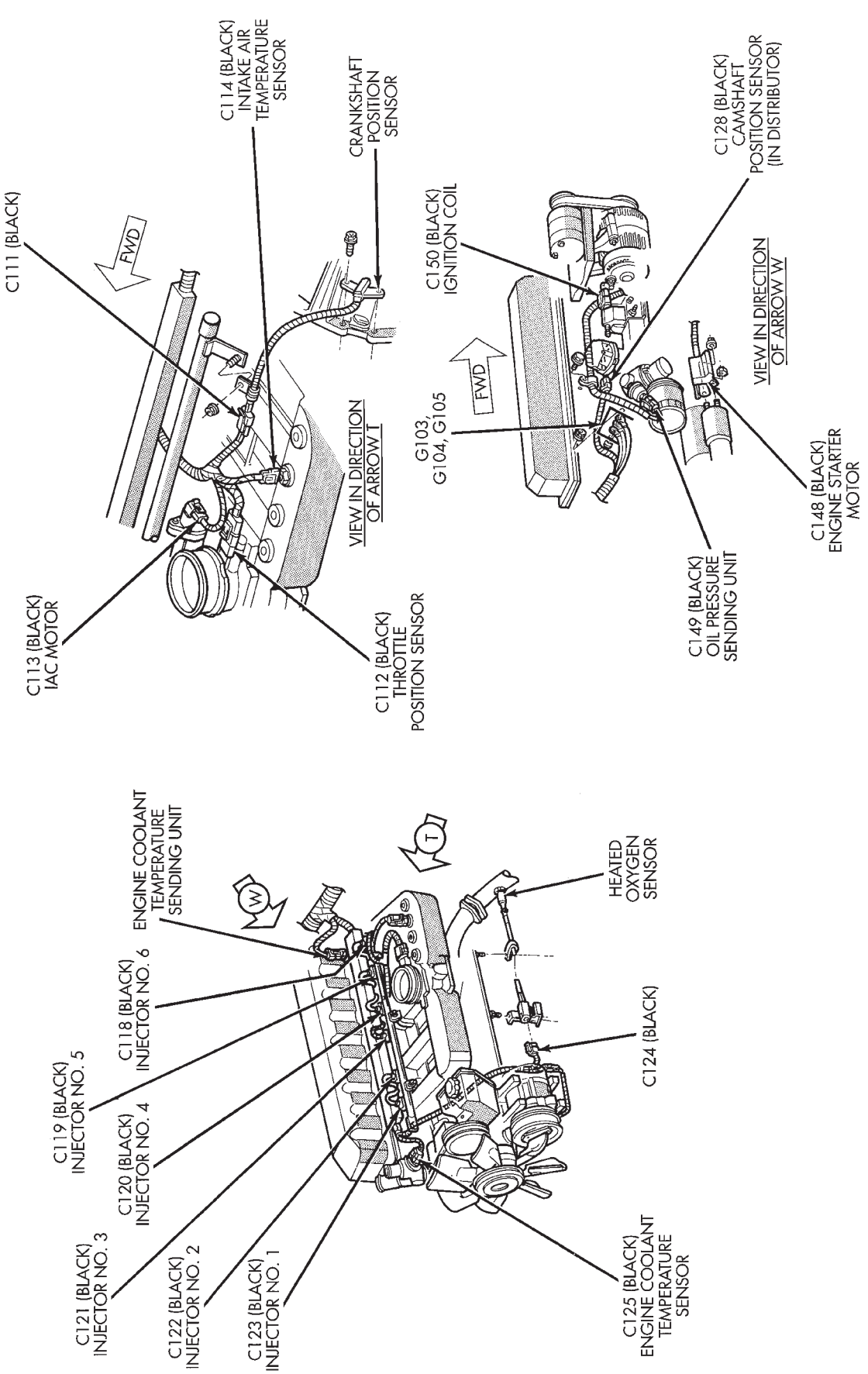


Fig. 4 Engine Wiring Connectors

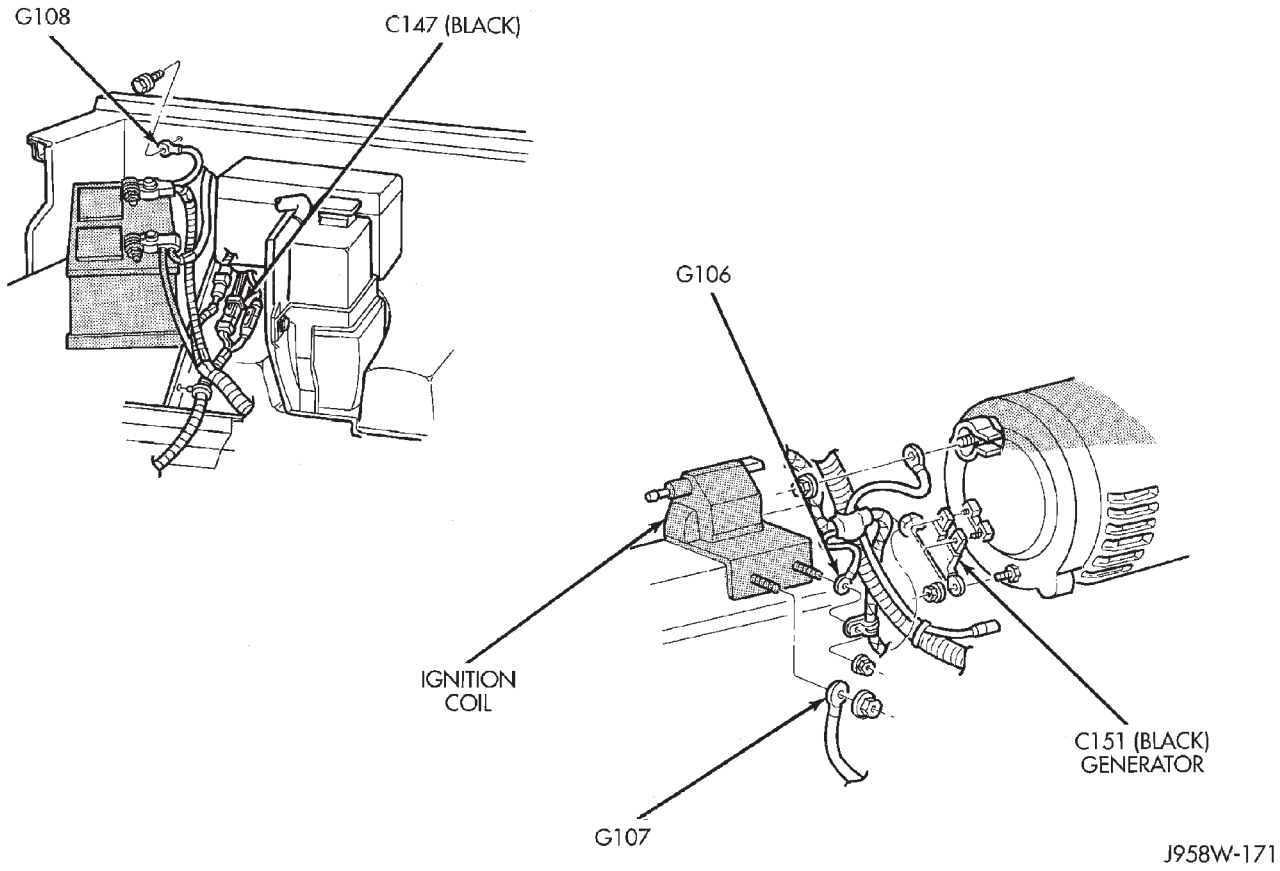


Fig. 5 Battery and Generator Wiring

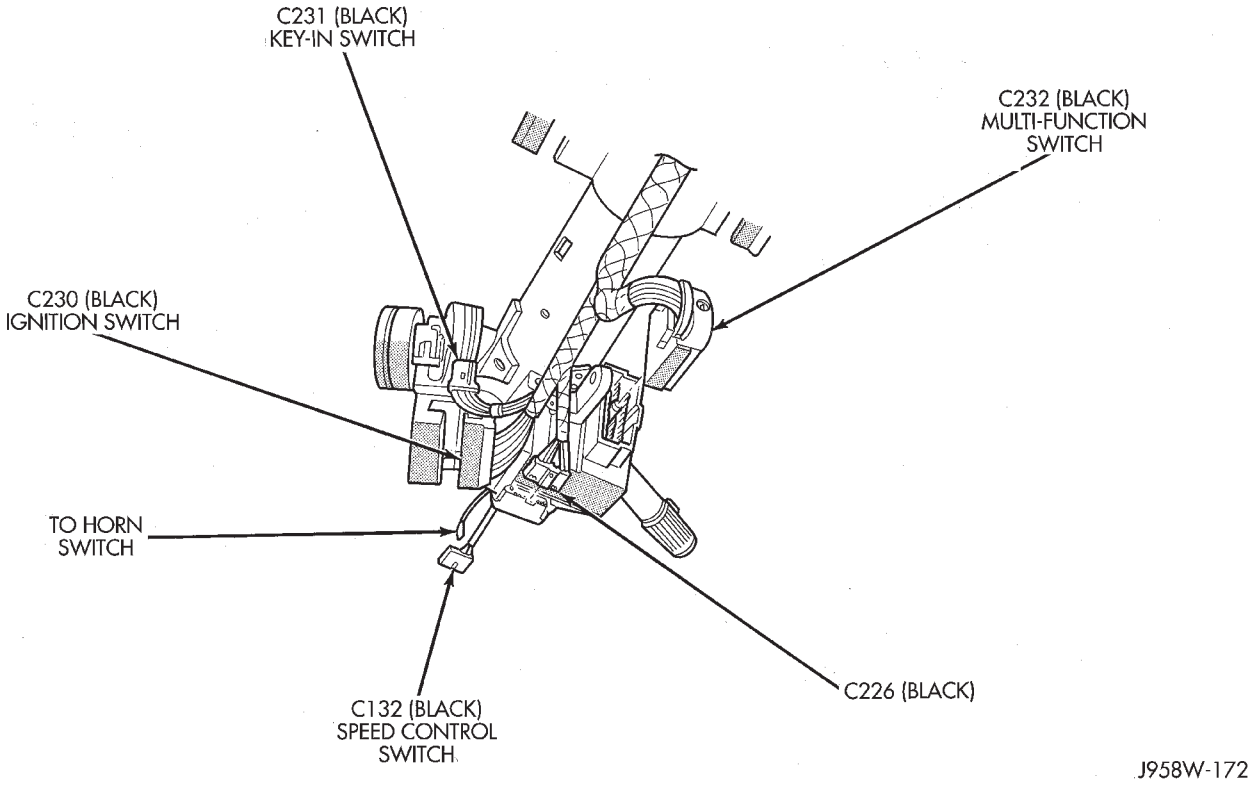


Fig. 6 Steering Column Wiring Connectors

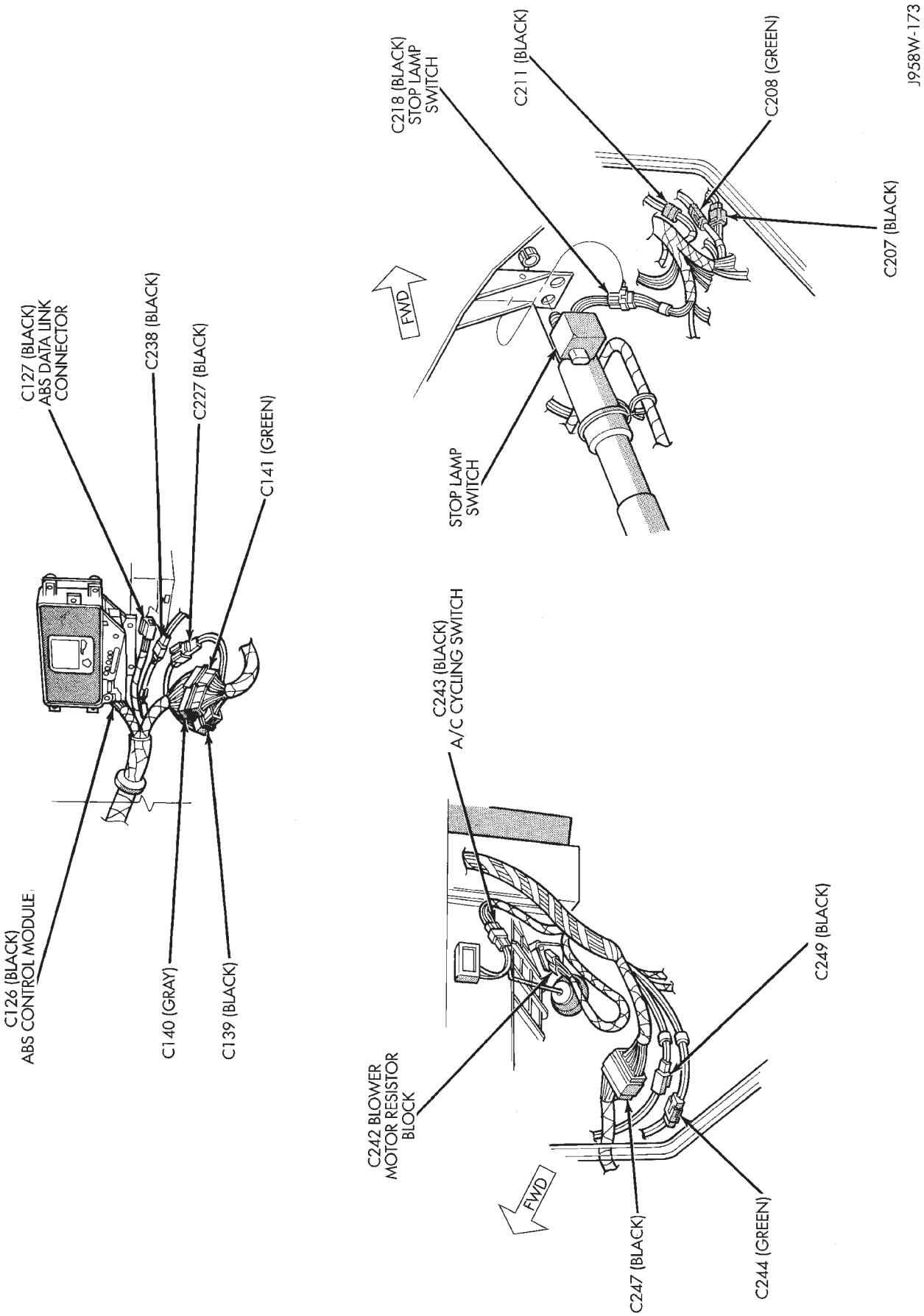


Fig. 7 ABS Control Module

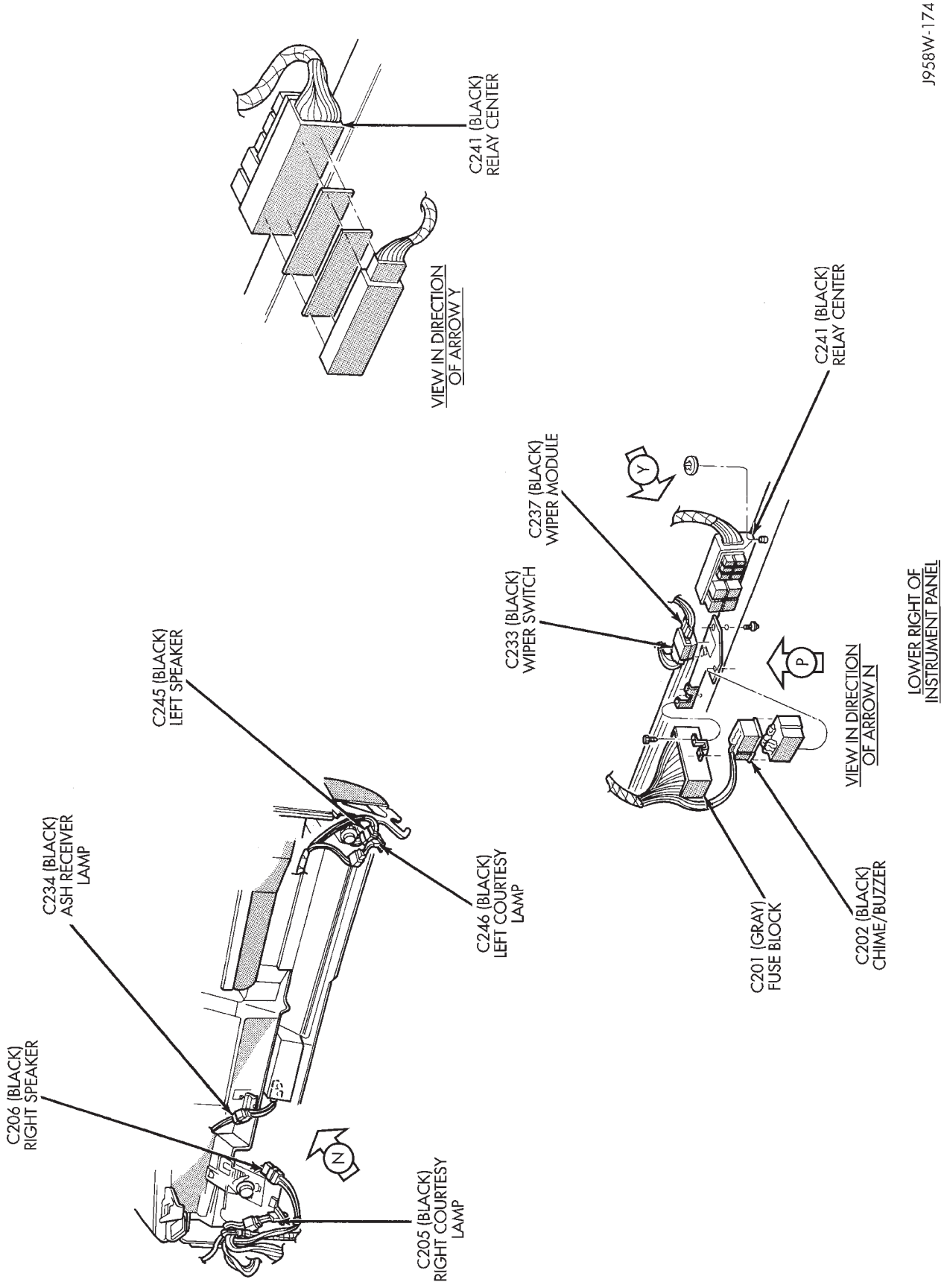


Fig. 8 Fuse Block and Relay Center

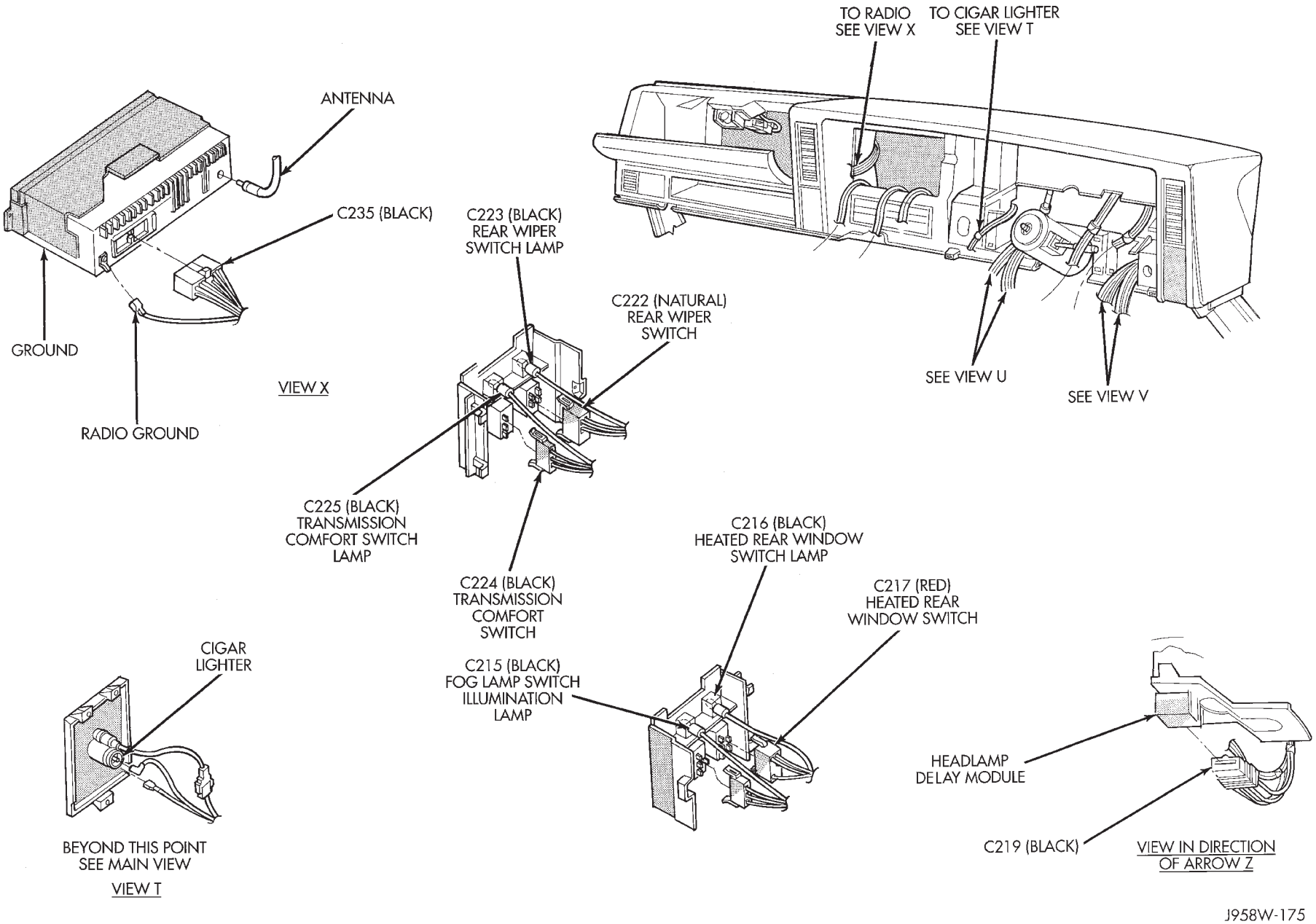


Fig. 9 Instrument Panel Wiring Connectors

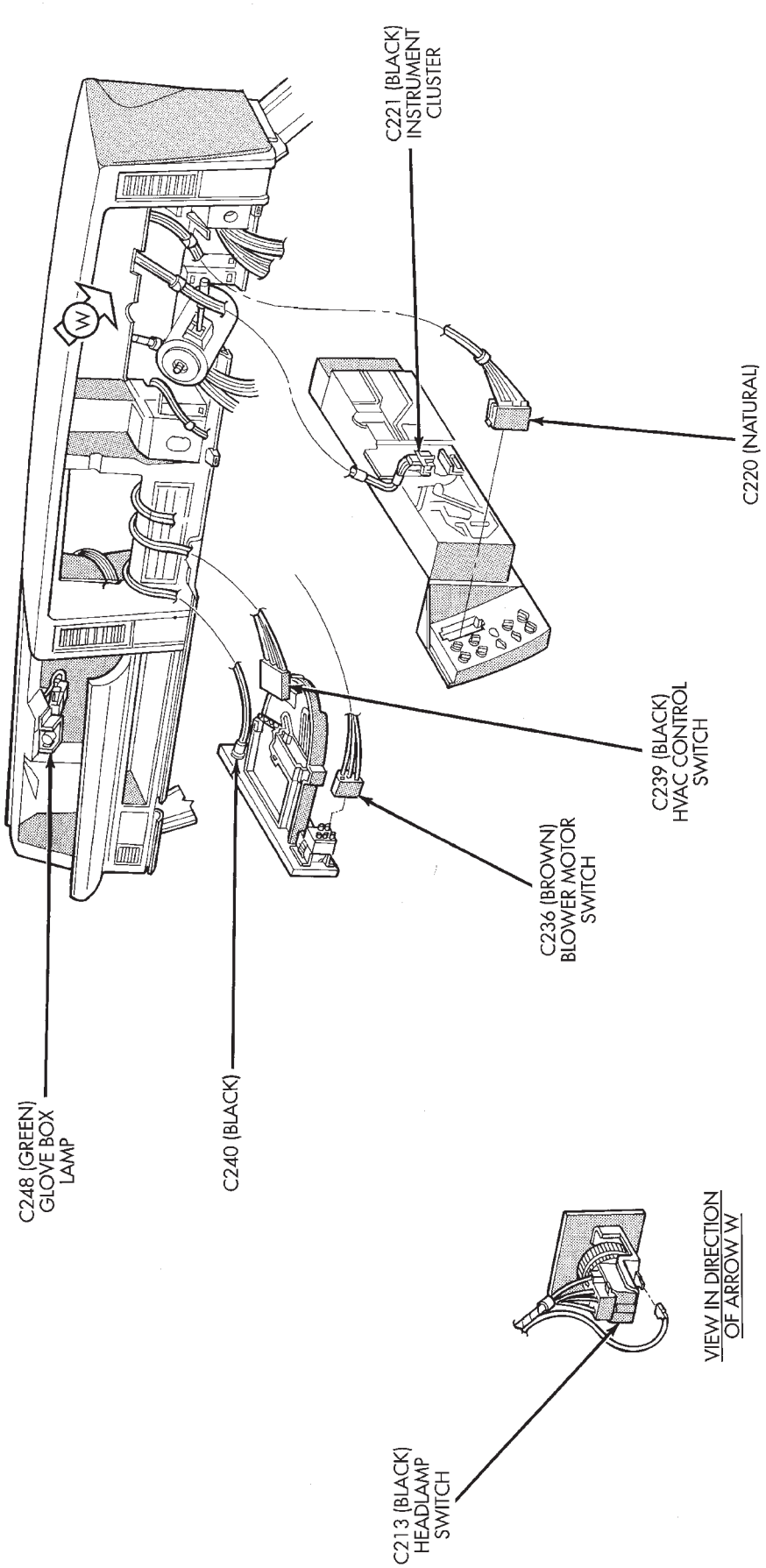


Fig. 10 Instrument Cluster Connectors

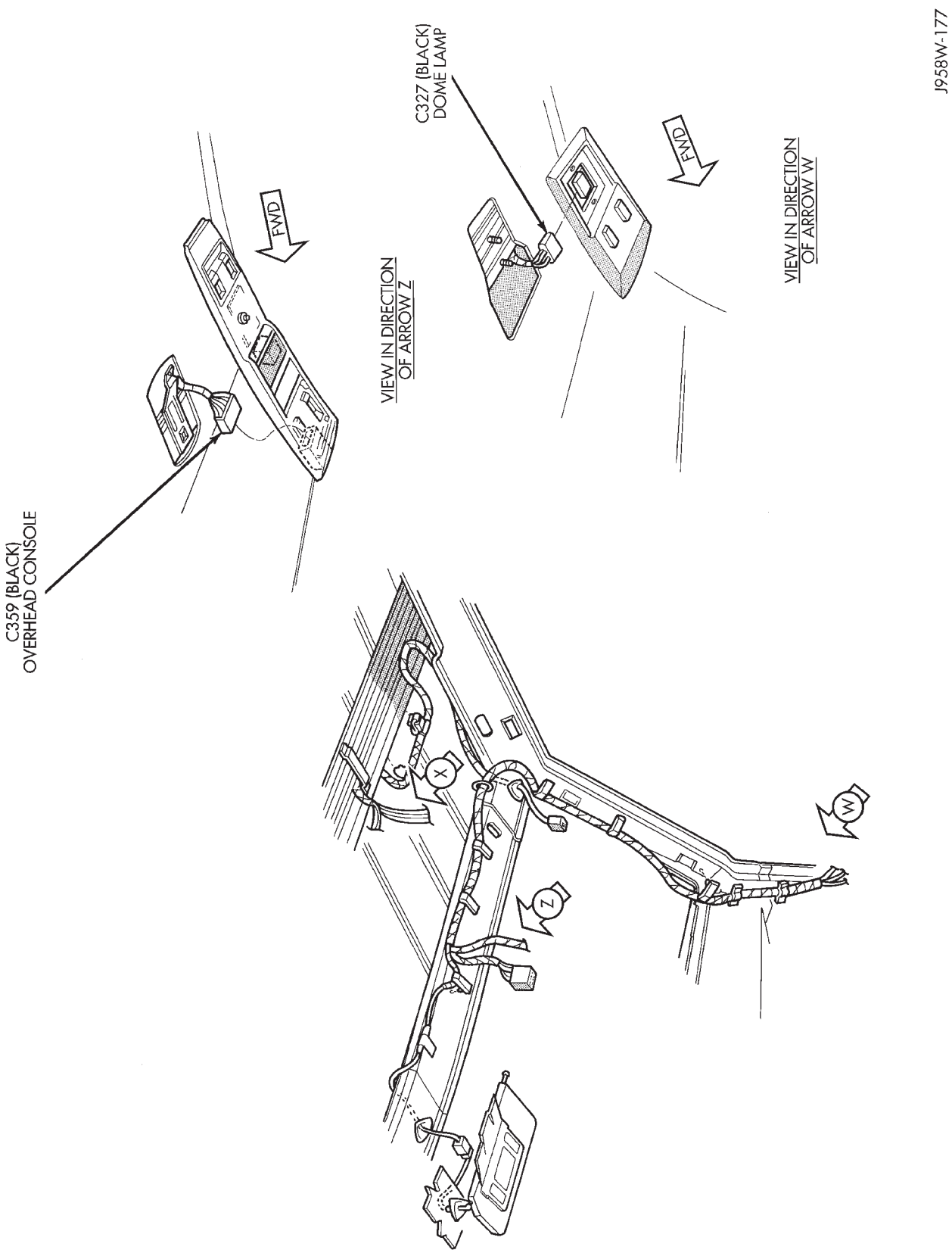


Fig. 11 Overhead Console

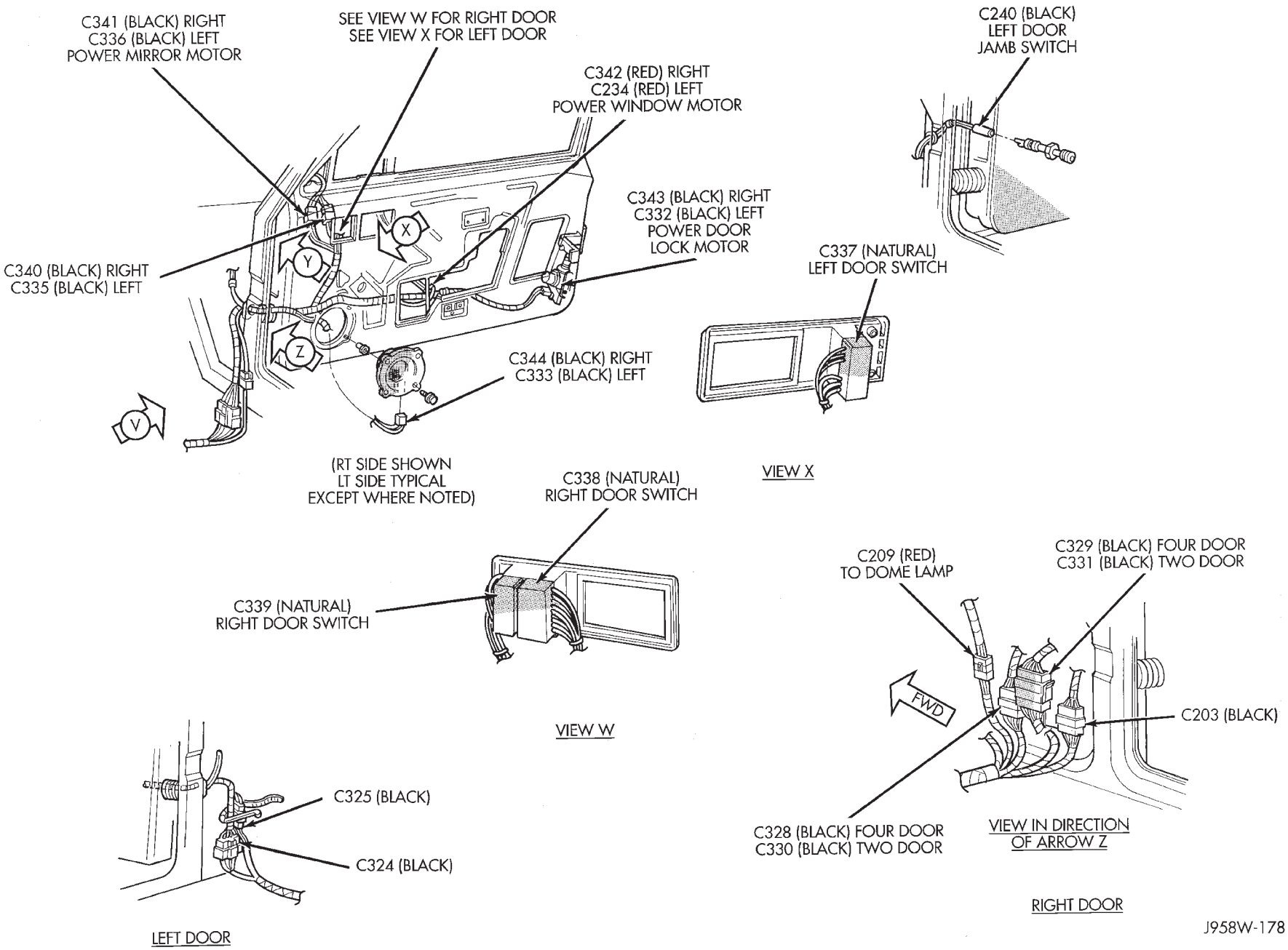


Fig. 12 Front Door Wiring Connectors

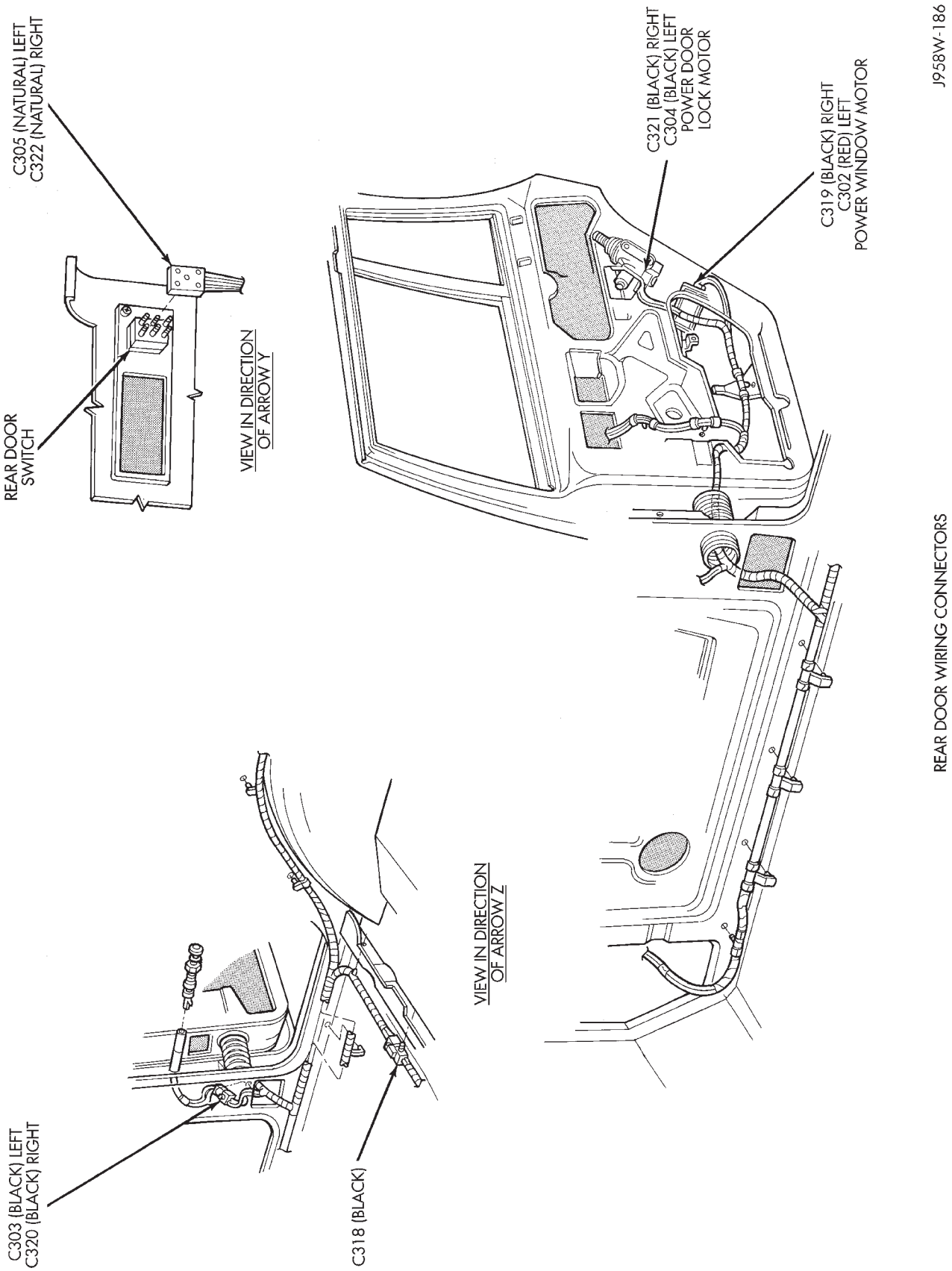


Fig. 13 Rear Door Wiring Connectors

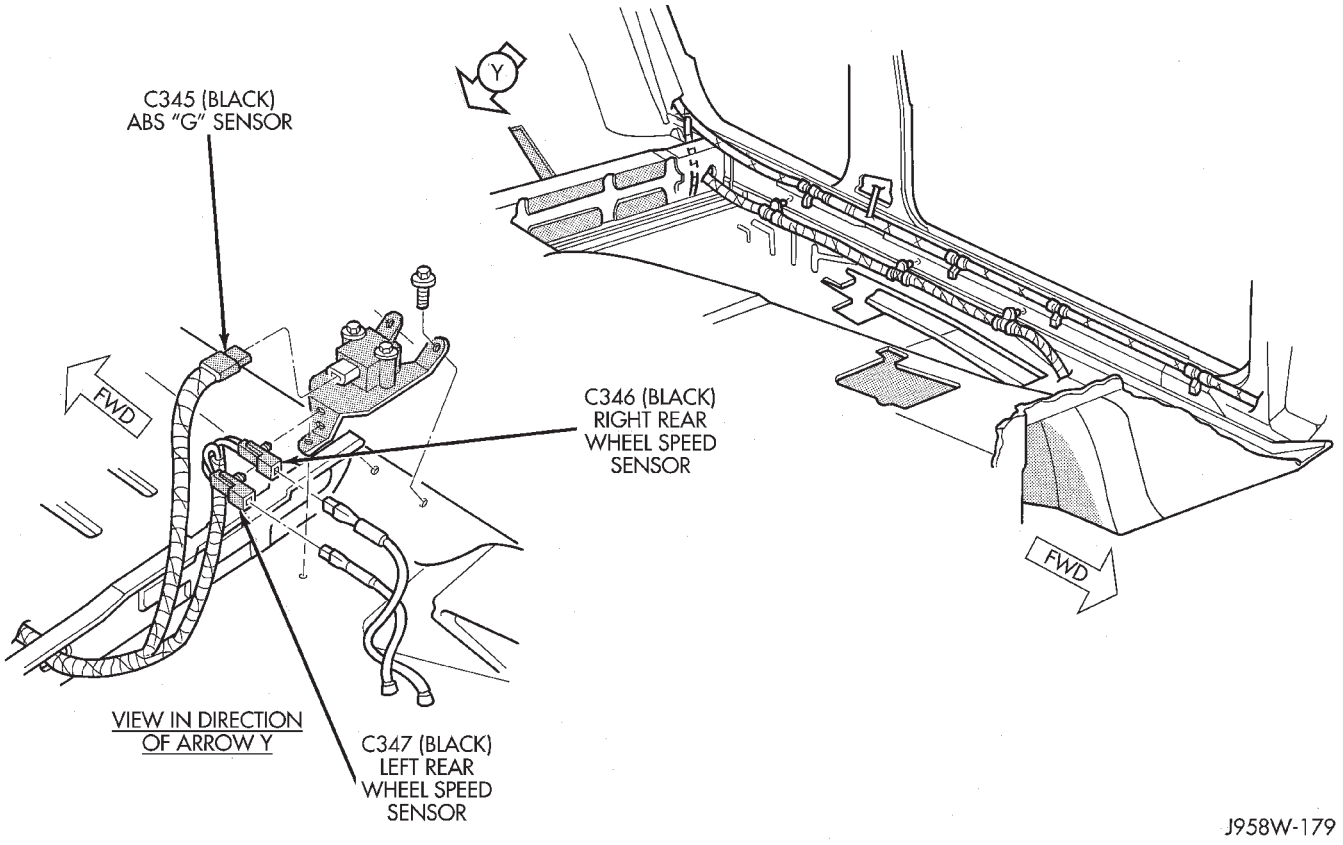


Fig. 14 ABS Wheel Speed Sensor Connectors

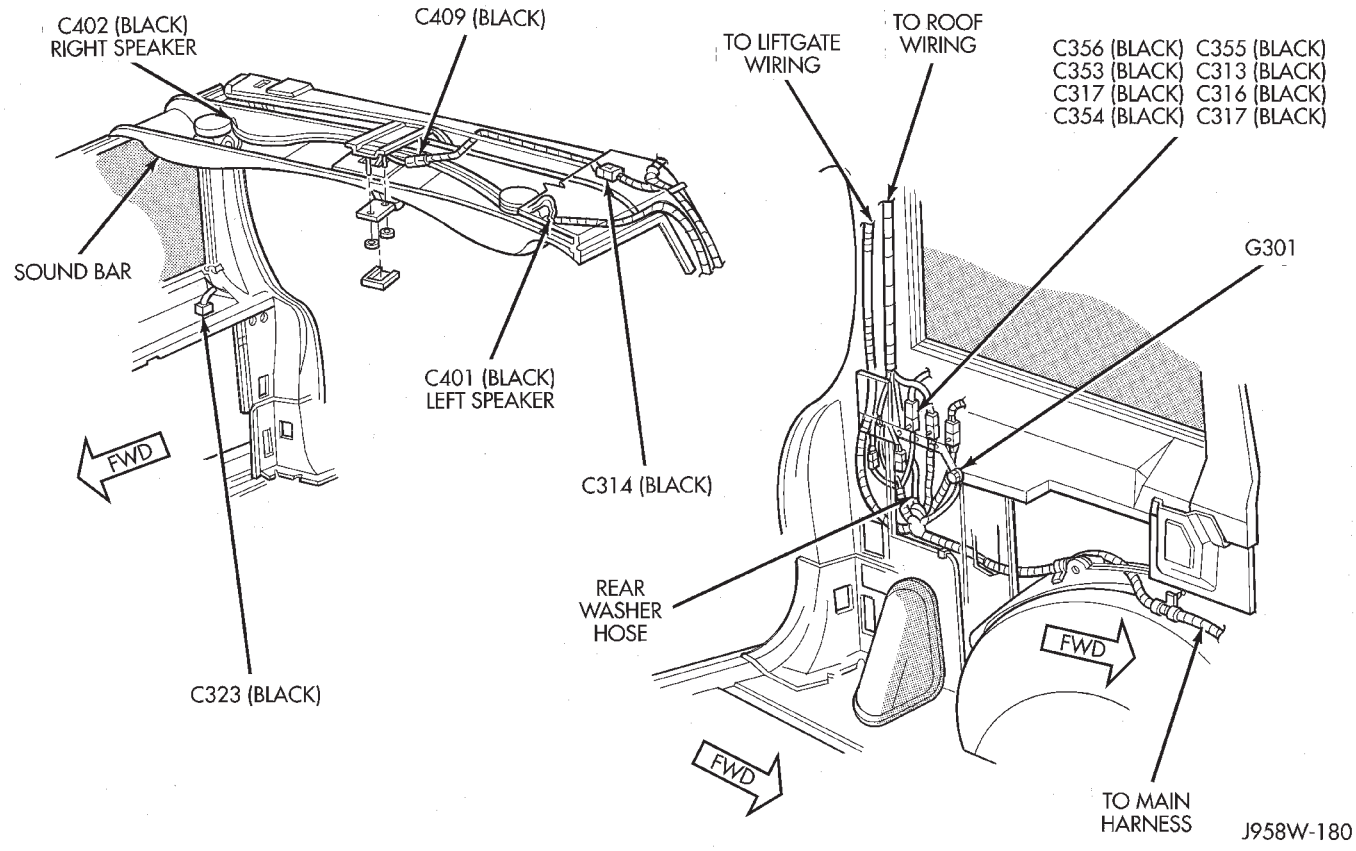


Fig. 15 Rear Wiring Connectors

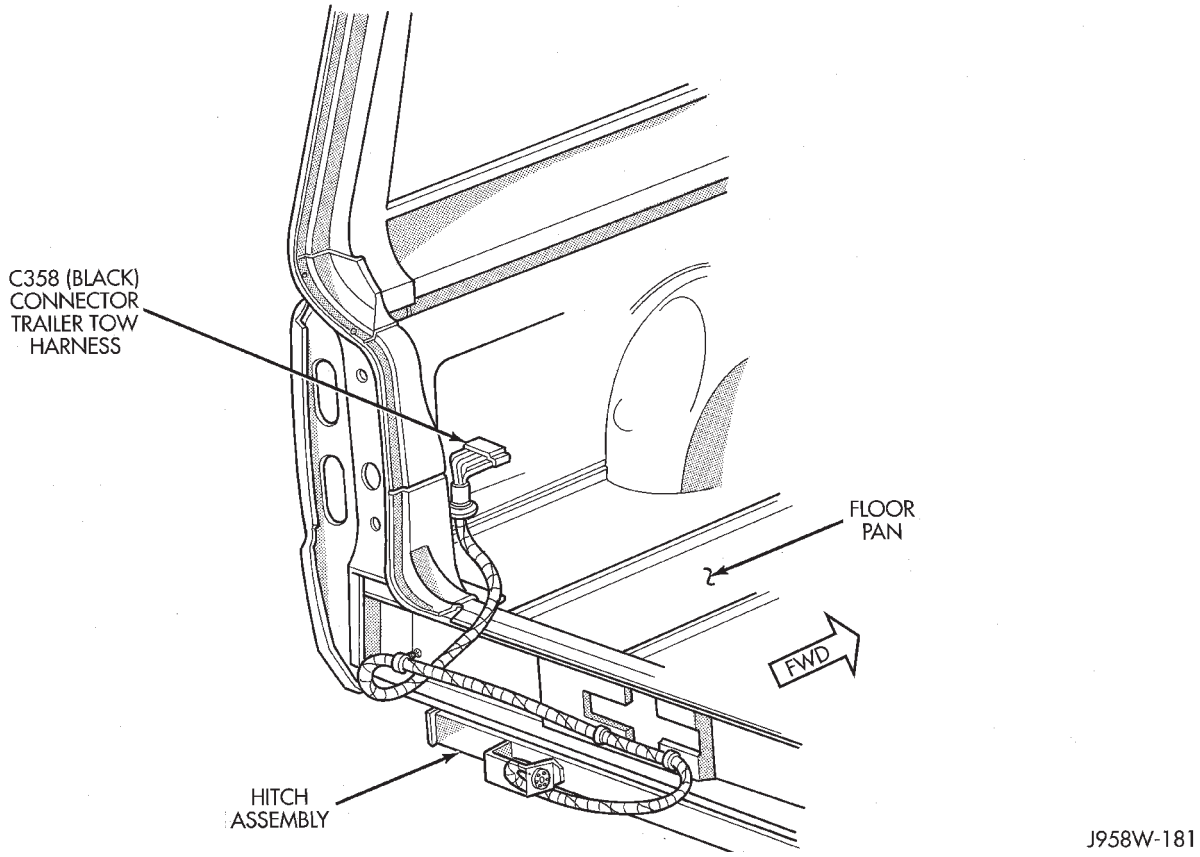


Fig. 16 Trailer Tow Wiring Connector

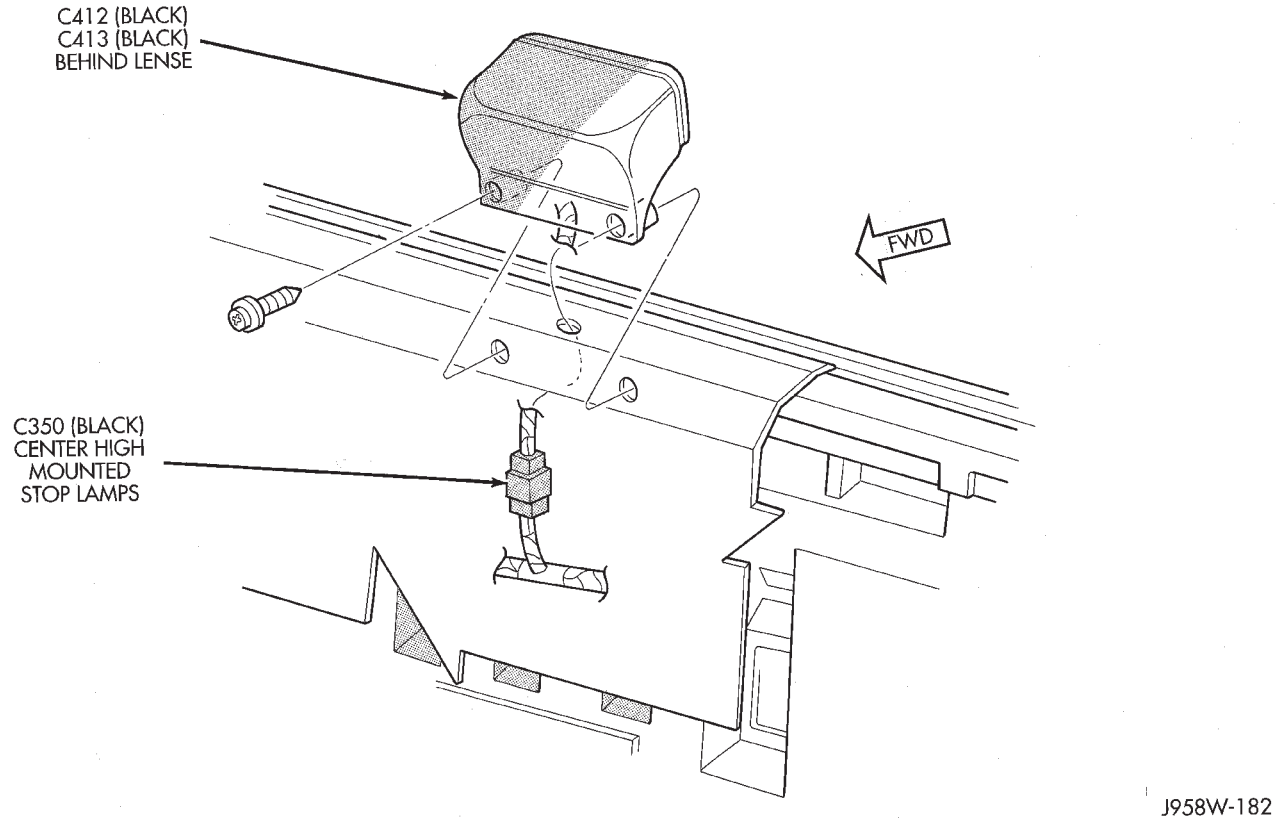


Fig. 17 Center High Mounted Stop Lamps

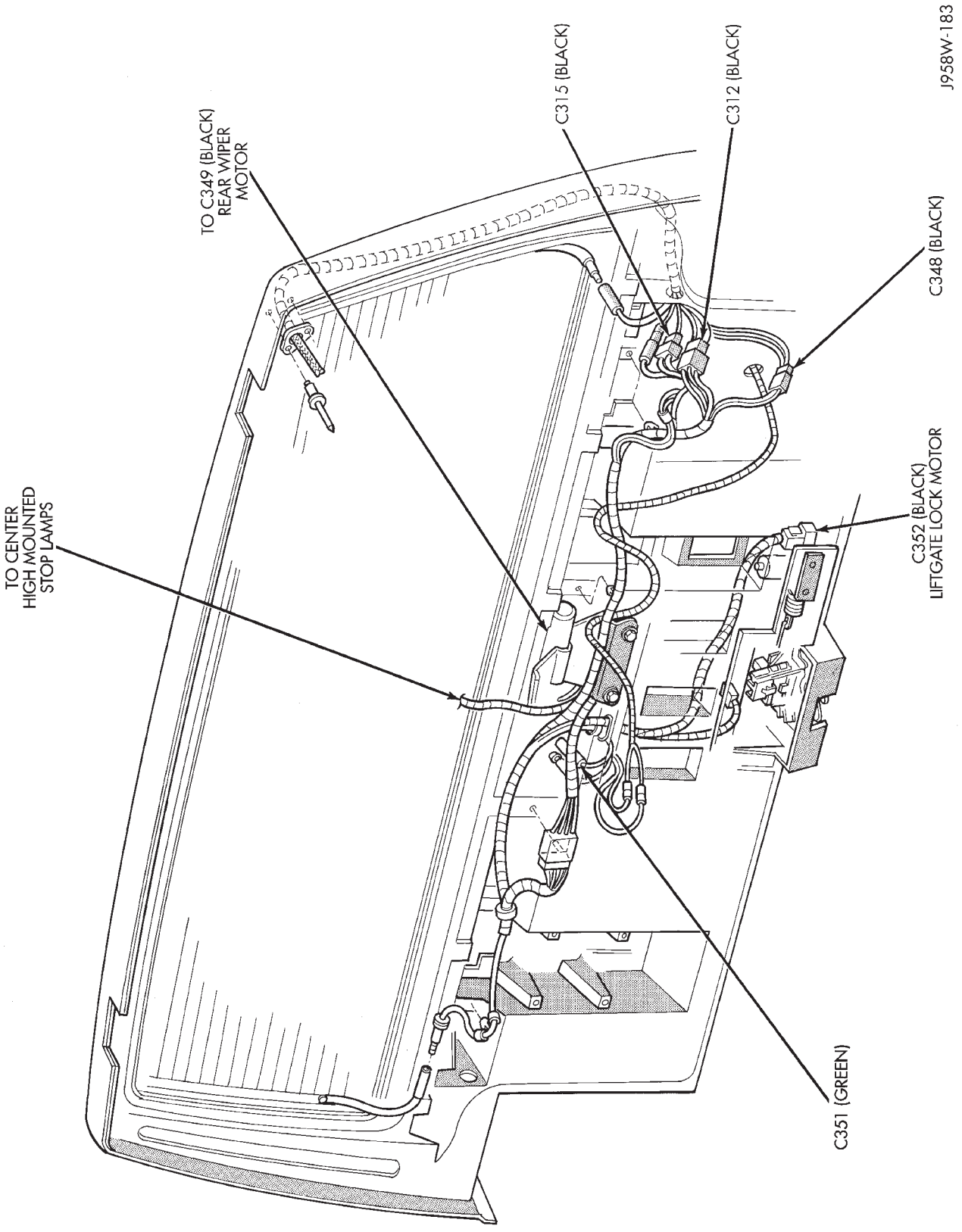


Fig. 18 Liftgate Wiring Connectors

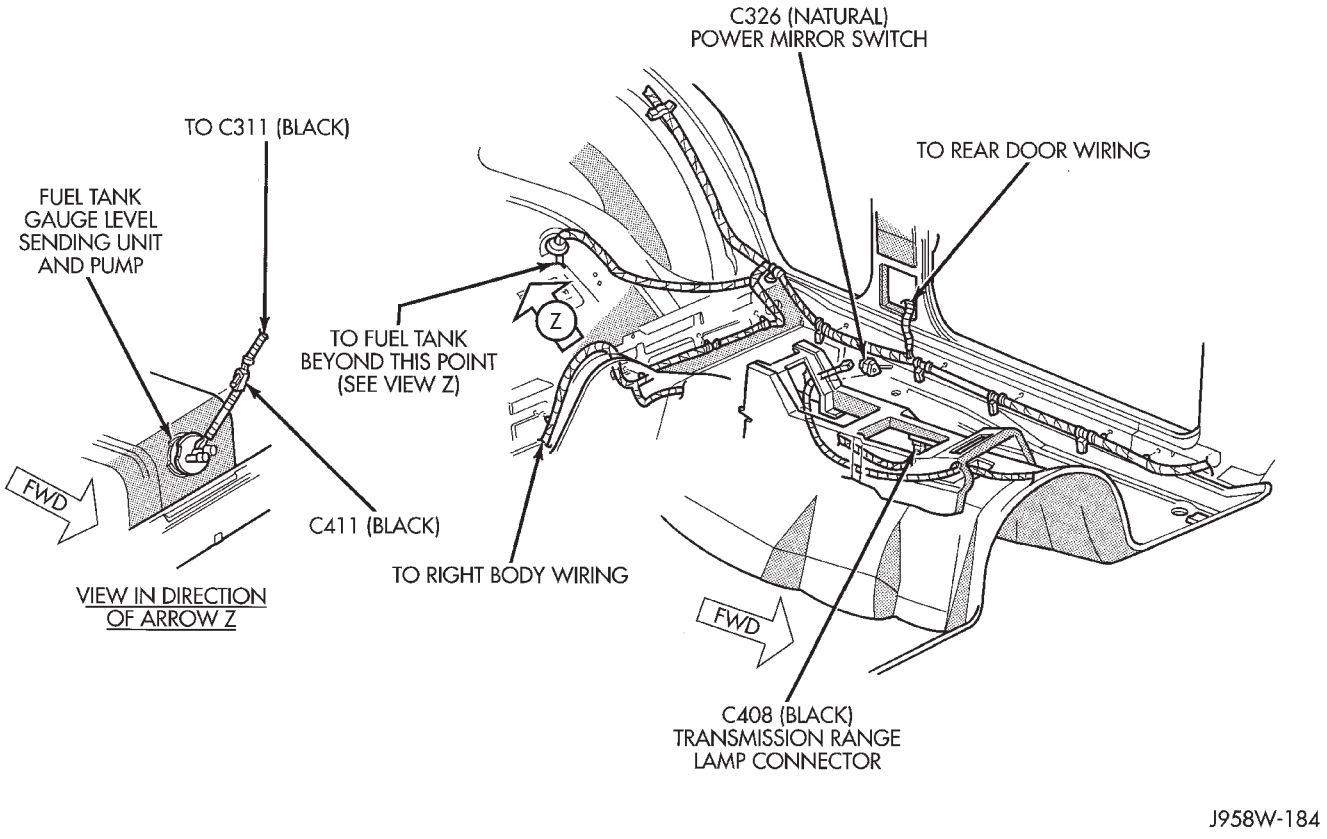


Fig. 19 Floor Console Wiring Connectors

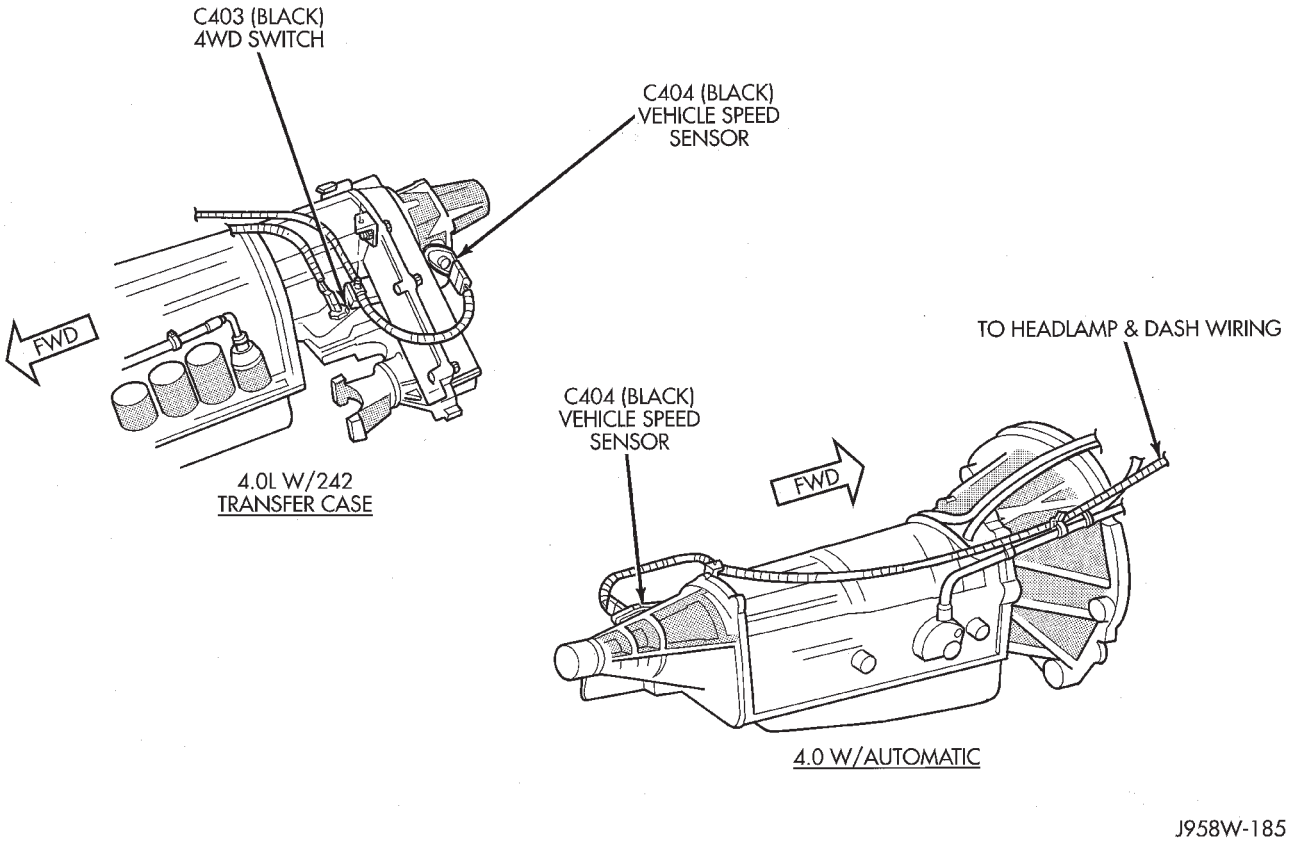


Fig. 20 Transmission Wiring Connectors

SPLICE LOCATIONS

GENERAL INFORMATION

This section provides illustrations identifying the general location of the splices in this vehicle. A splice index is provided. Use the wiring diagrams in each section for splice number identification. Refer to the index for the proper splice number.

SPLICE LOCATIONS

Splice Number	Locations	Fig.
S305	In T/O for Fuel Tank Module	9
S306	On Left Rear Wheel Well	9
S307	Before T/O for Right Rear Door Switch	9
S308	After T/O for Left Front Door Harness Connectors	7
S309	After T/O for Left Front Door Harness Connectors	7
S310	After T/O for Left Front Door Harness Connectors	7
S311	In T/O for Electric Mirror Switch	7
S312	After Right Front Door Grommet, Before Power Mirror T/O	8
S313	In Liftgate	12
S314	Left Rear Quarter Panel, Near Trailer Tow Harness Connector	11
S315	Left Rear Quarter Panel, Near Trailer Tow Harness Connector	11
S316	Behind Left Front of Roof Liner	10
S401	In Left Tail Lamp Harness	Not Shown
S402	In Right Tail Lamp Harness	Not Shown
S403	In Left Tail Lamp Harness	Not Shown
S404	In Right Tail Lamp Harness	Not Shown

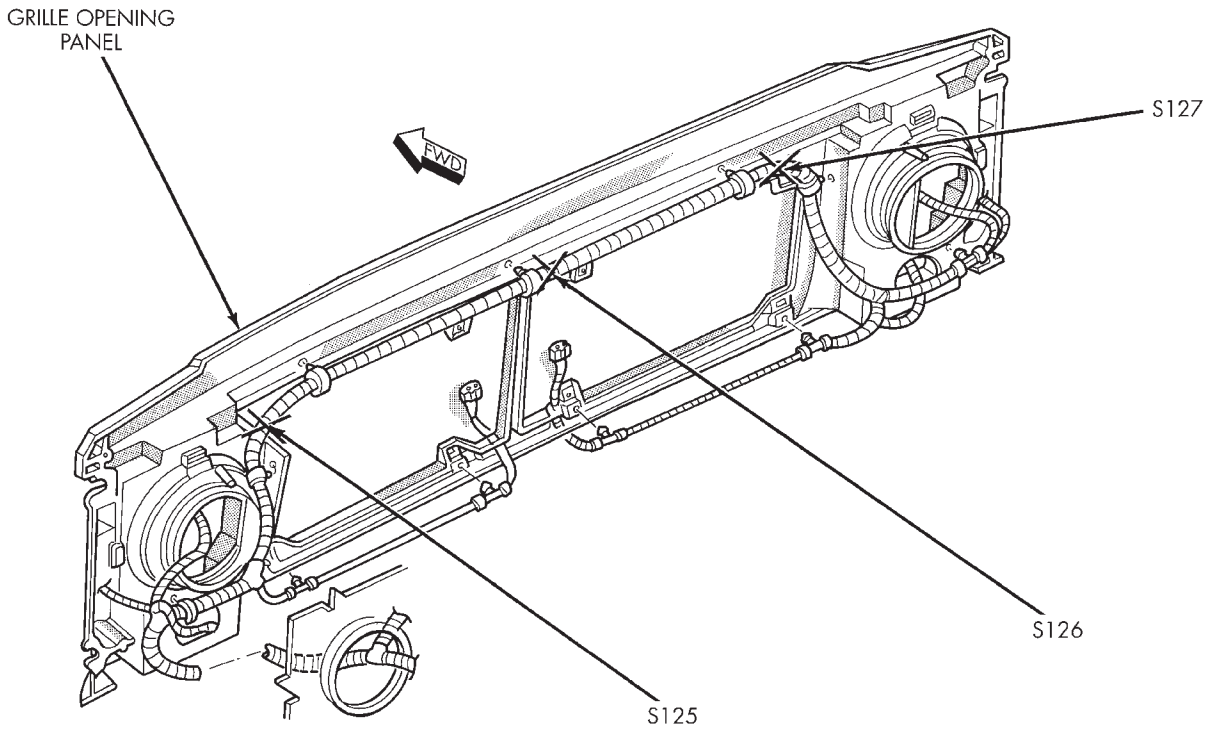


Fig. 1 Front End Lighting Splices XJ-RHD

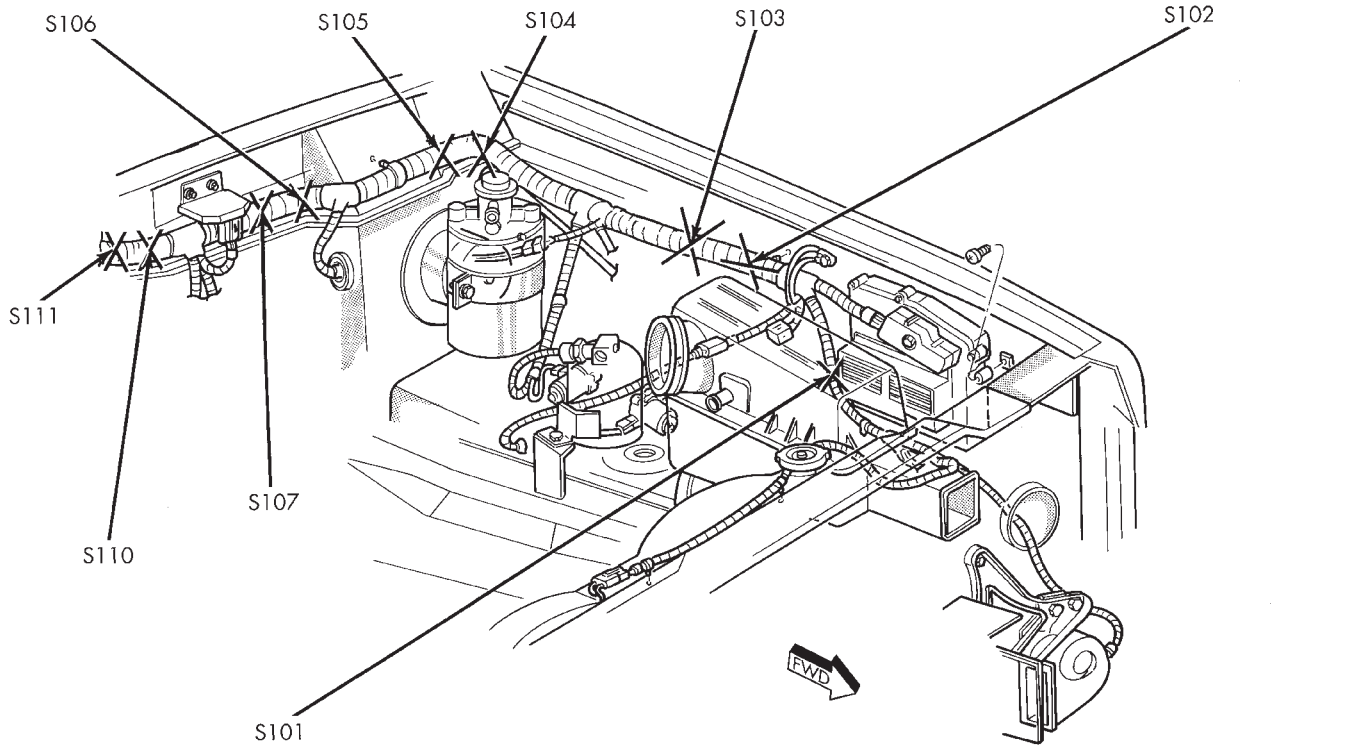


Fig. 2 Engine Compartment Splices, Left Side XJ-RHD

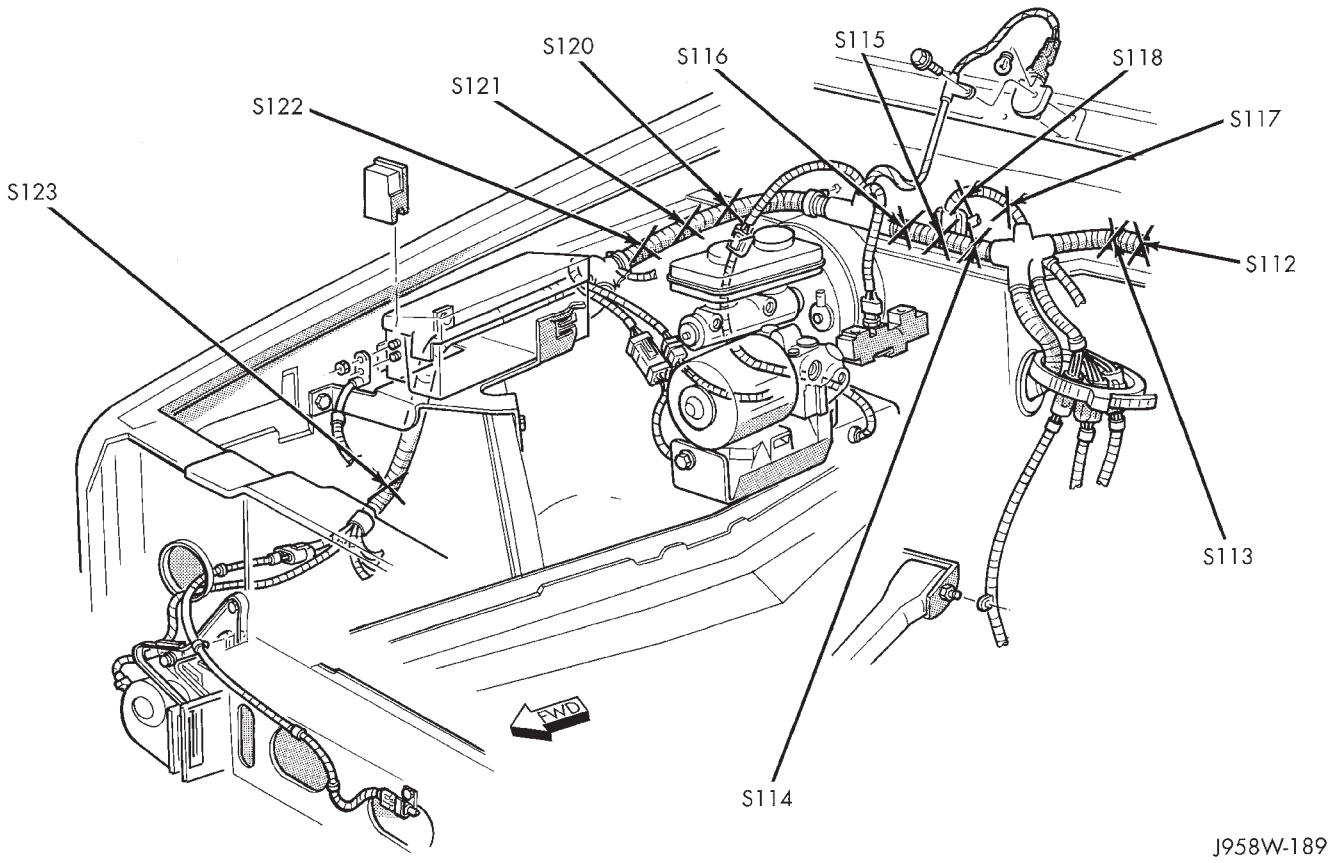


Fig. 3 Engine Compartment Splices, Right Side XJ-RHD

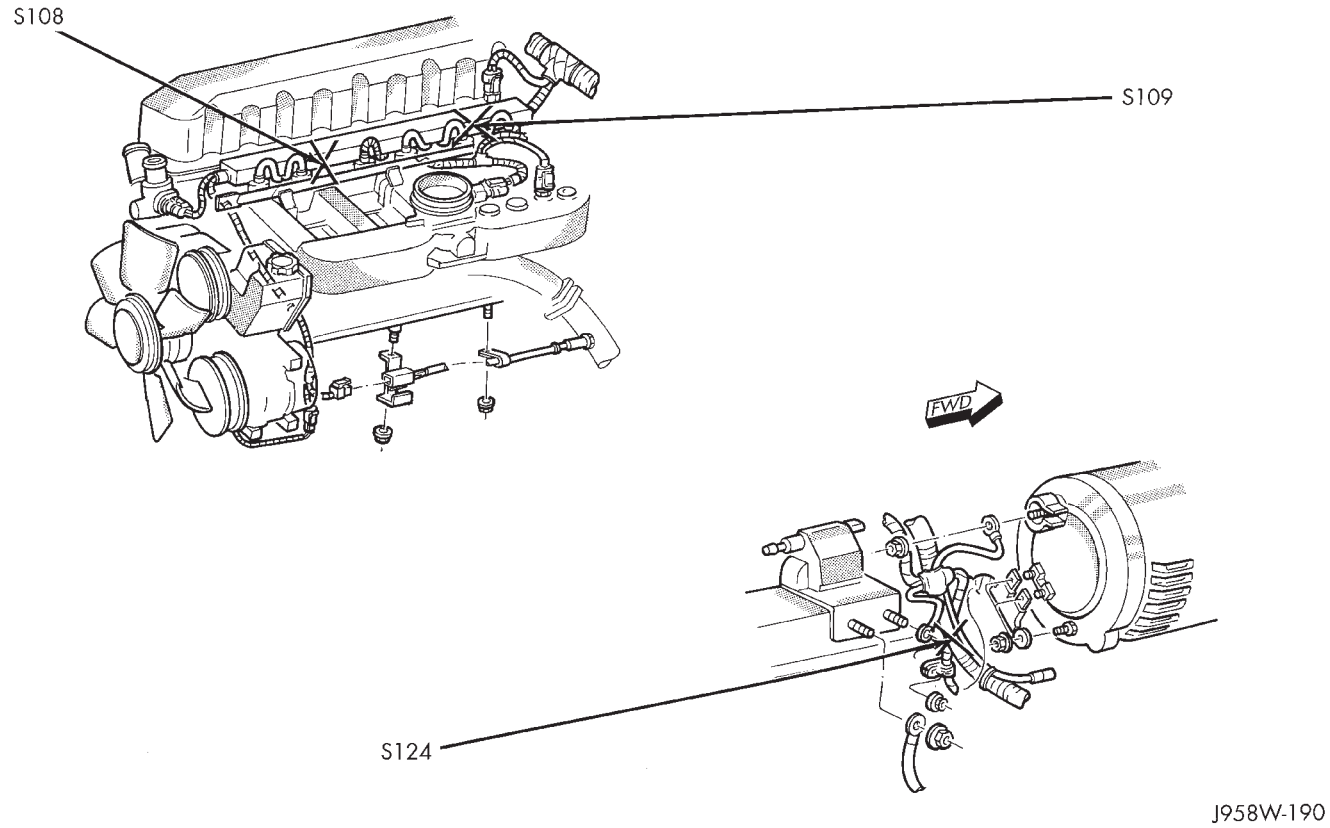


Fig. 4 Engine Splices XJ-RHD

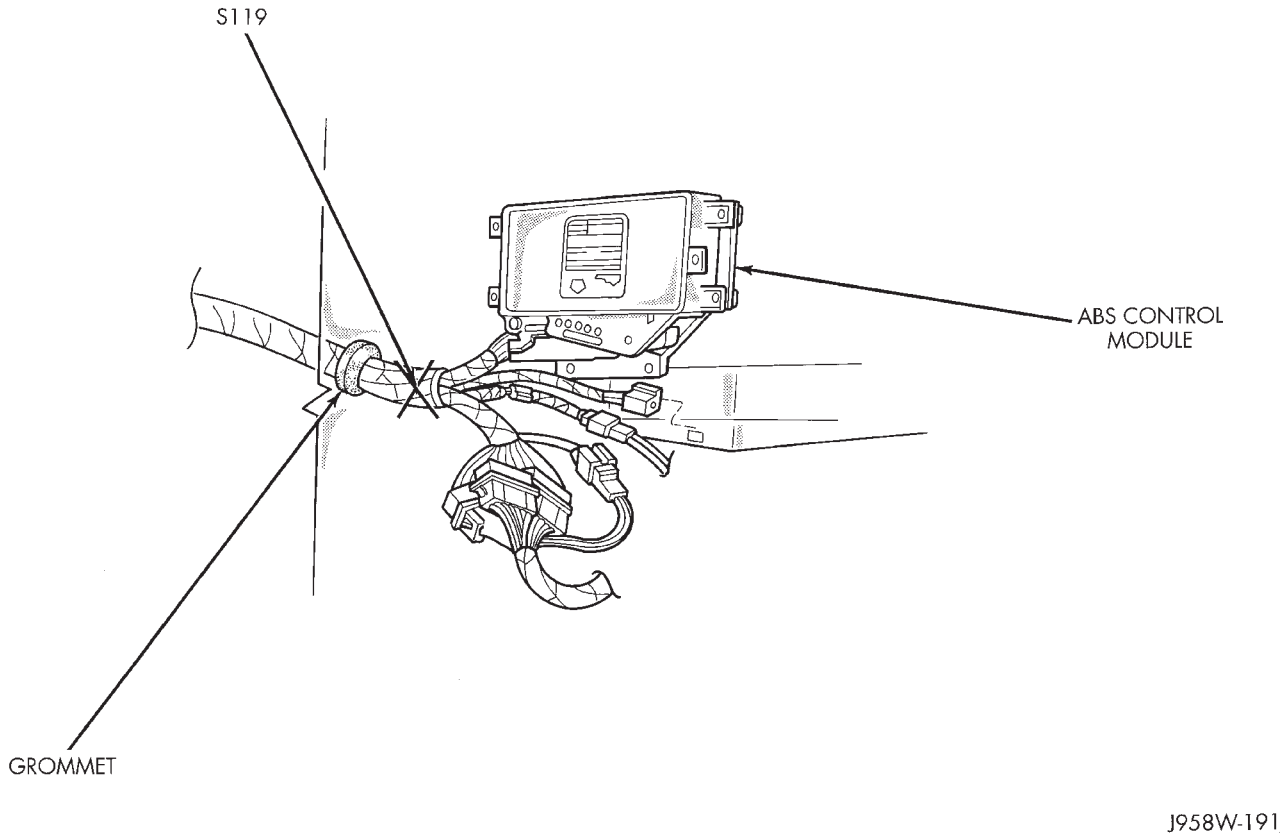


Fig. 5 ABS Control Module XJ-RHD

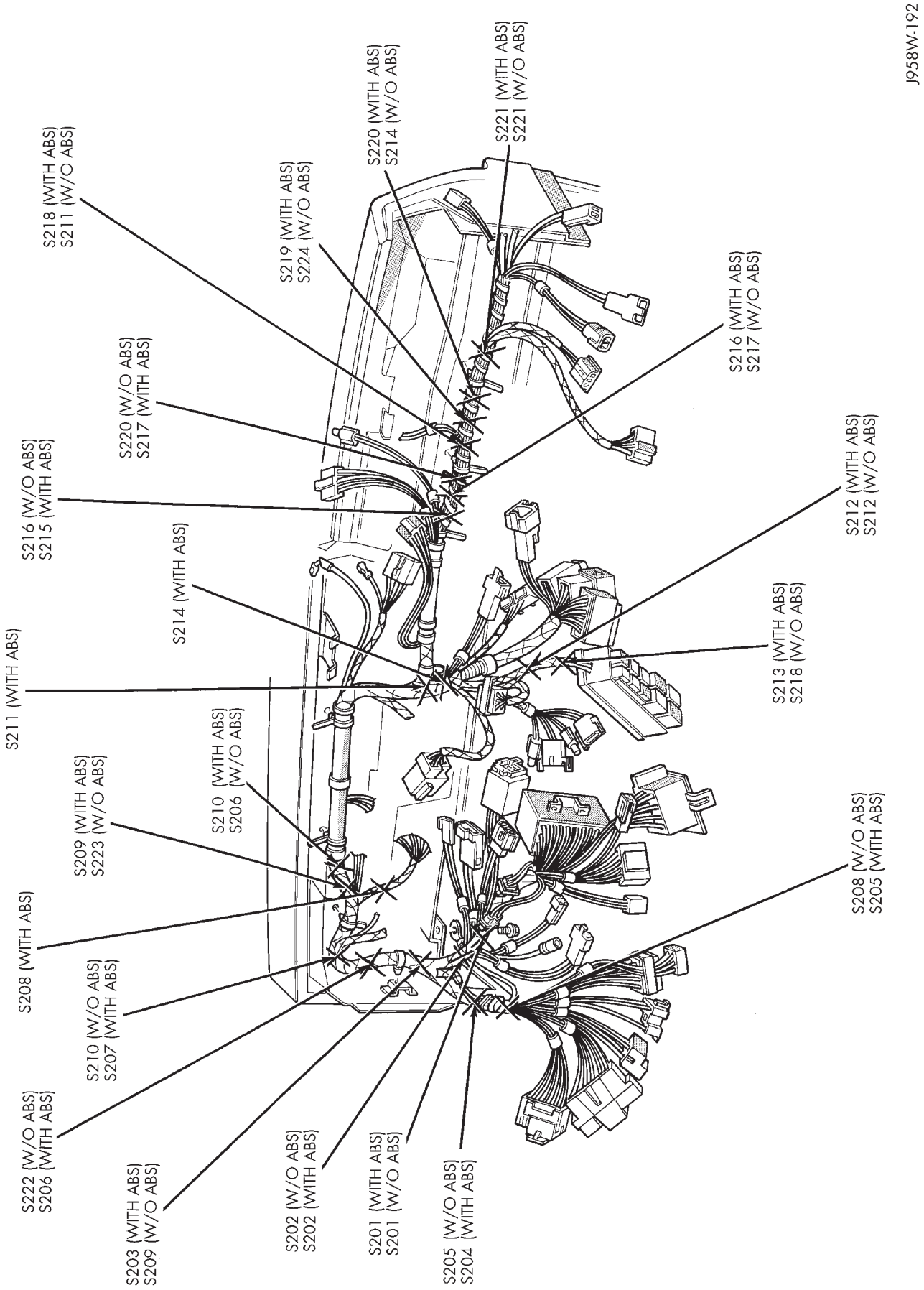


Fig. 6 Instrument Panel Splices XJ-RHD

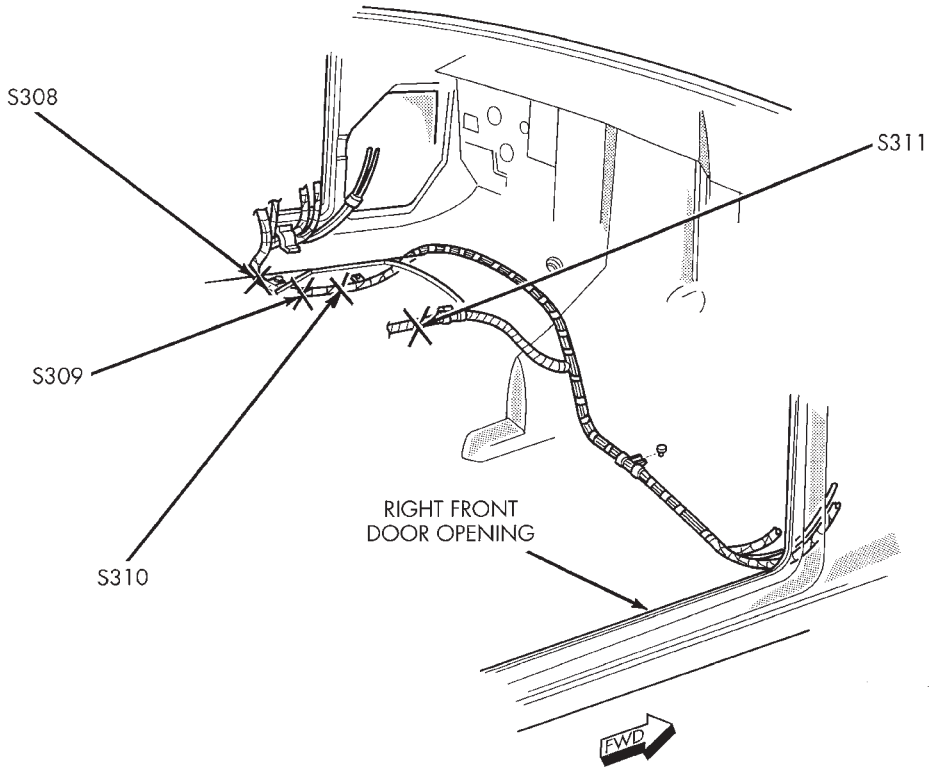


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Fig. 7 Crossbody Harness Splices XJ-RHD

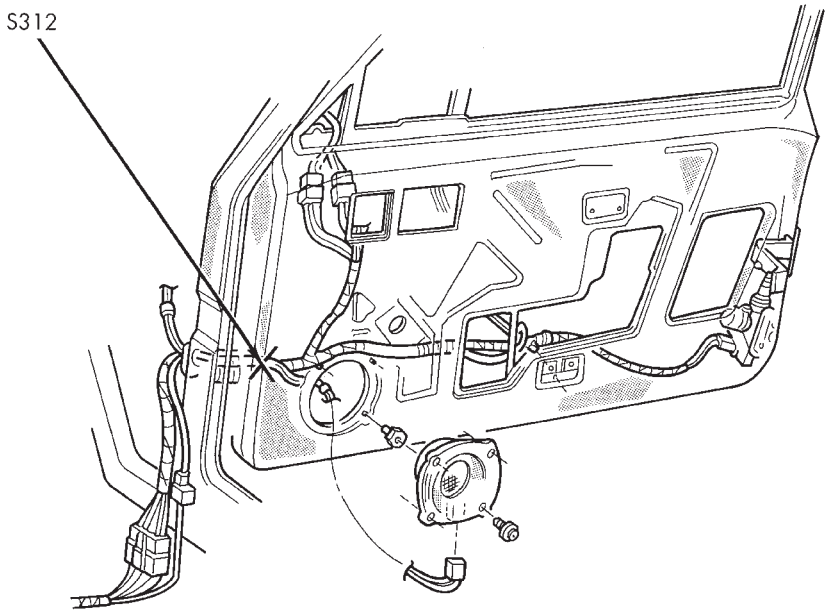

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Fig. 8 Right Front Door XJ-RHD

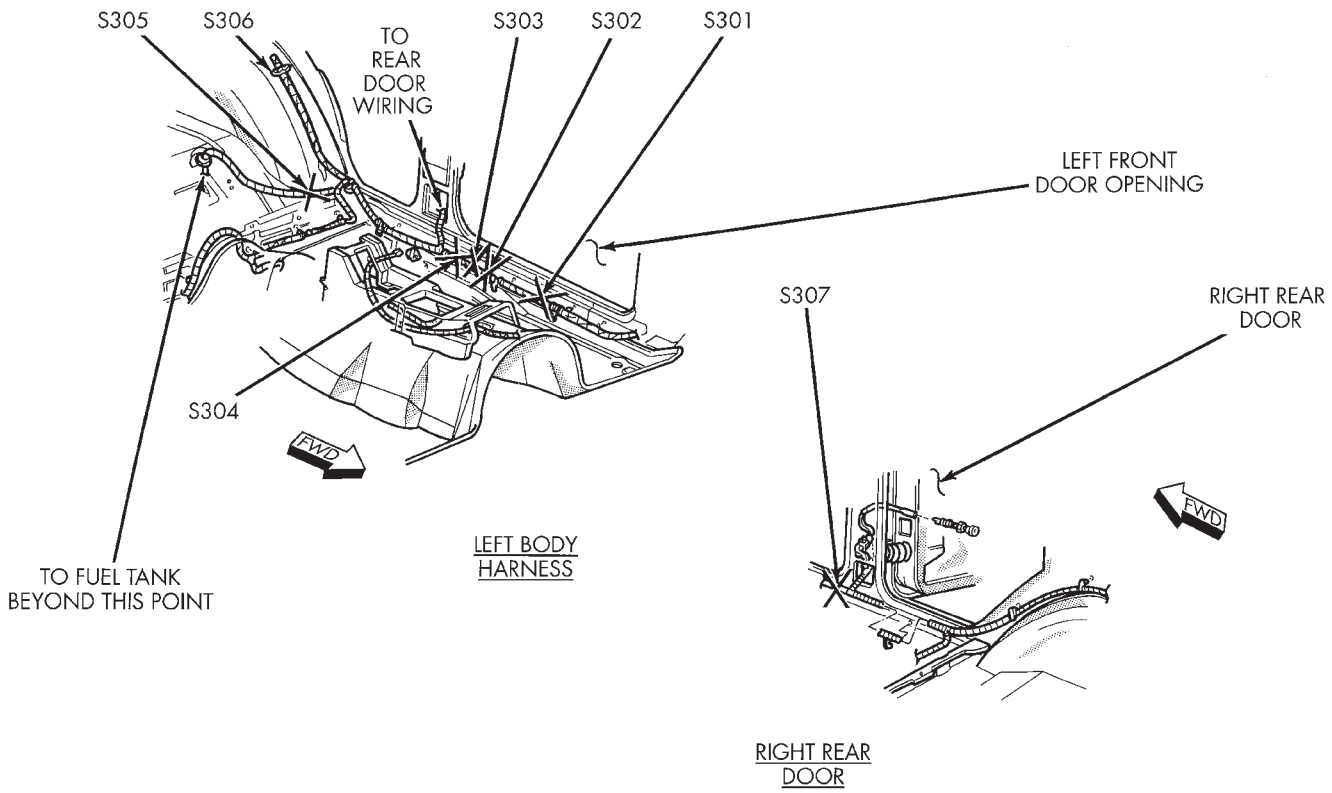

Fig. 9 Left Body Harness and Right Rear Door Splices XJ-RHD

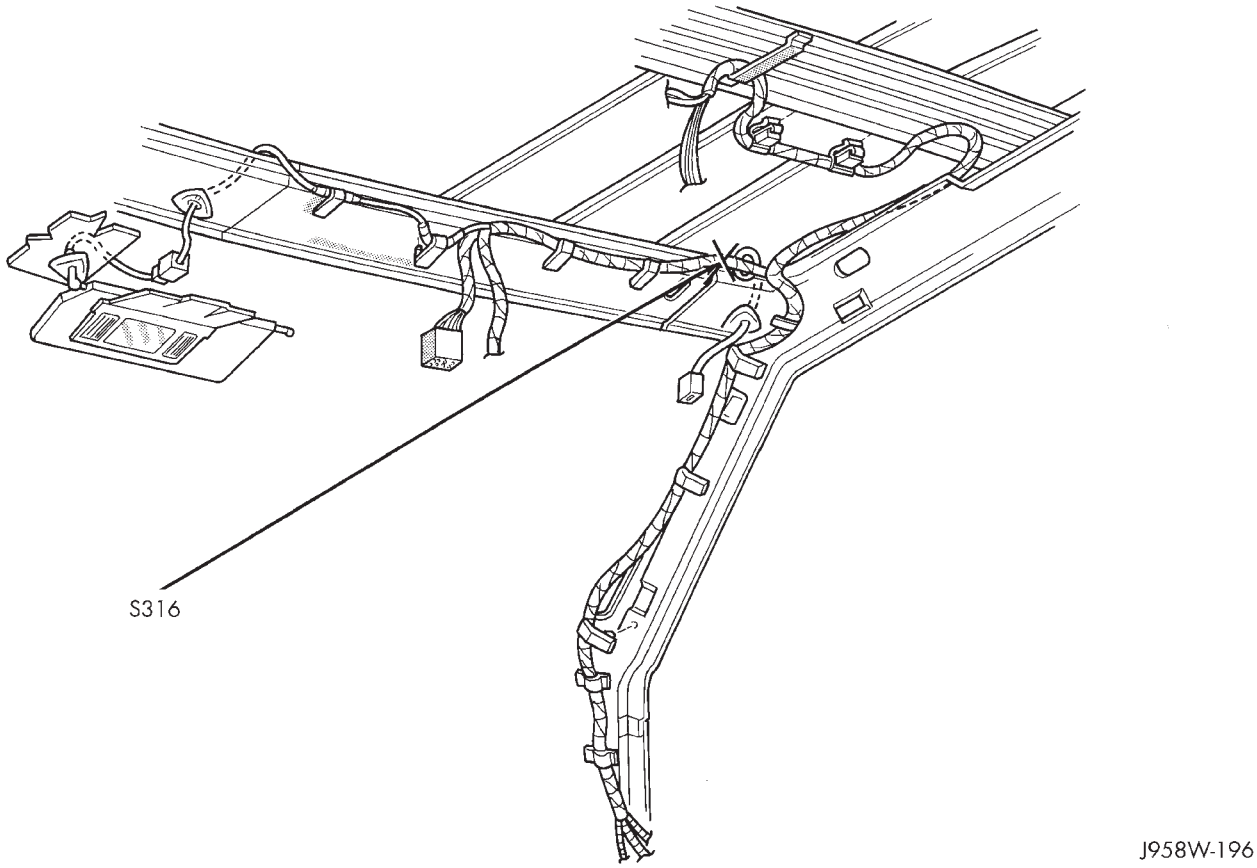

Fig. 10 Overhead Console XJ-RHD

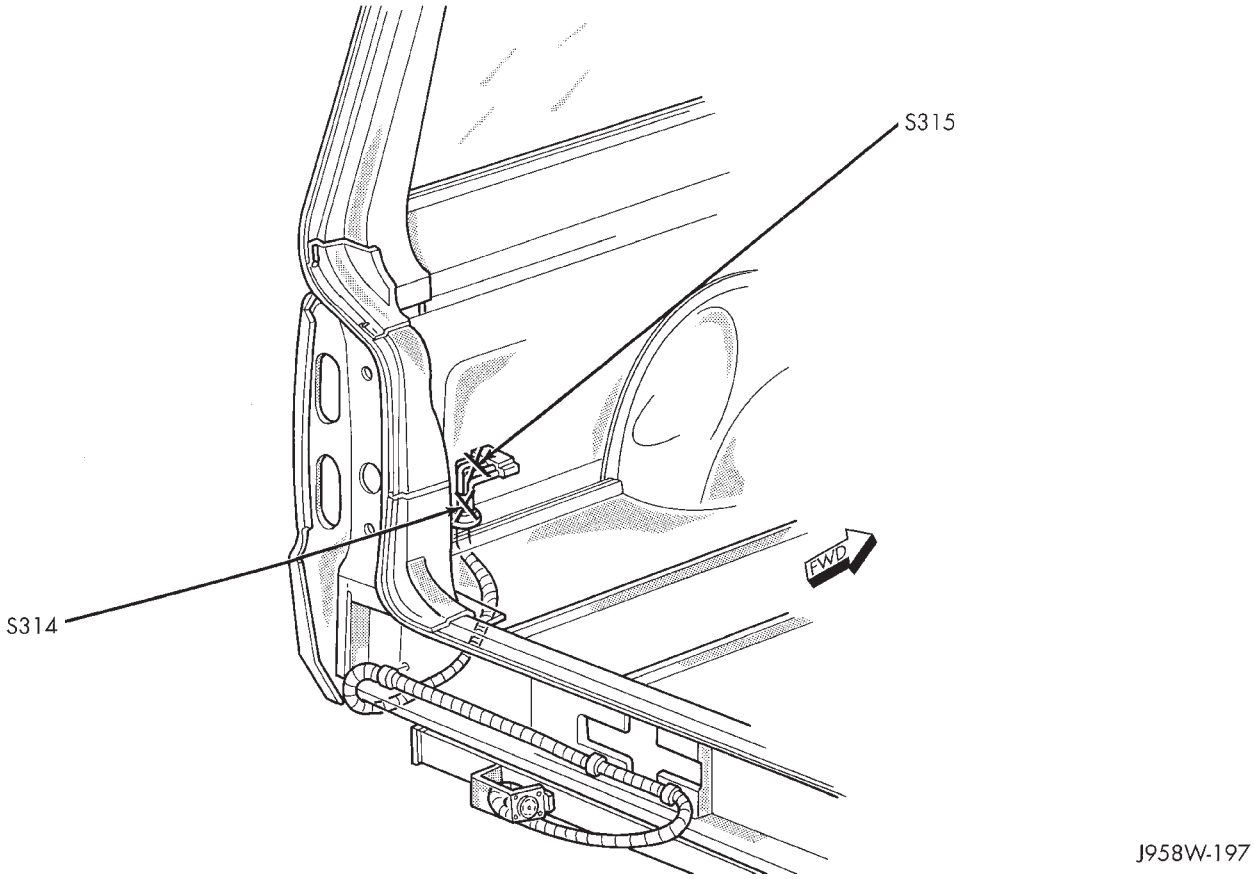

Fig. 11 Trailer Tow Splices XJ-RHD

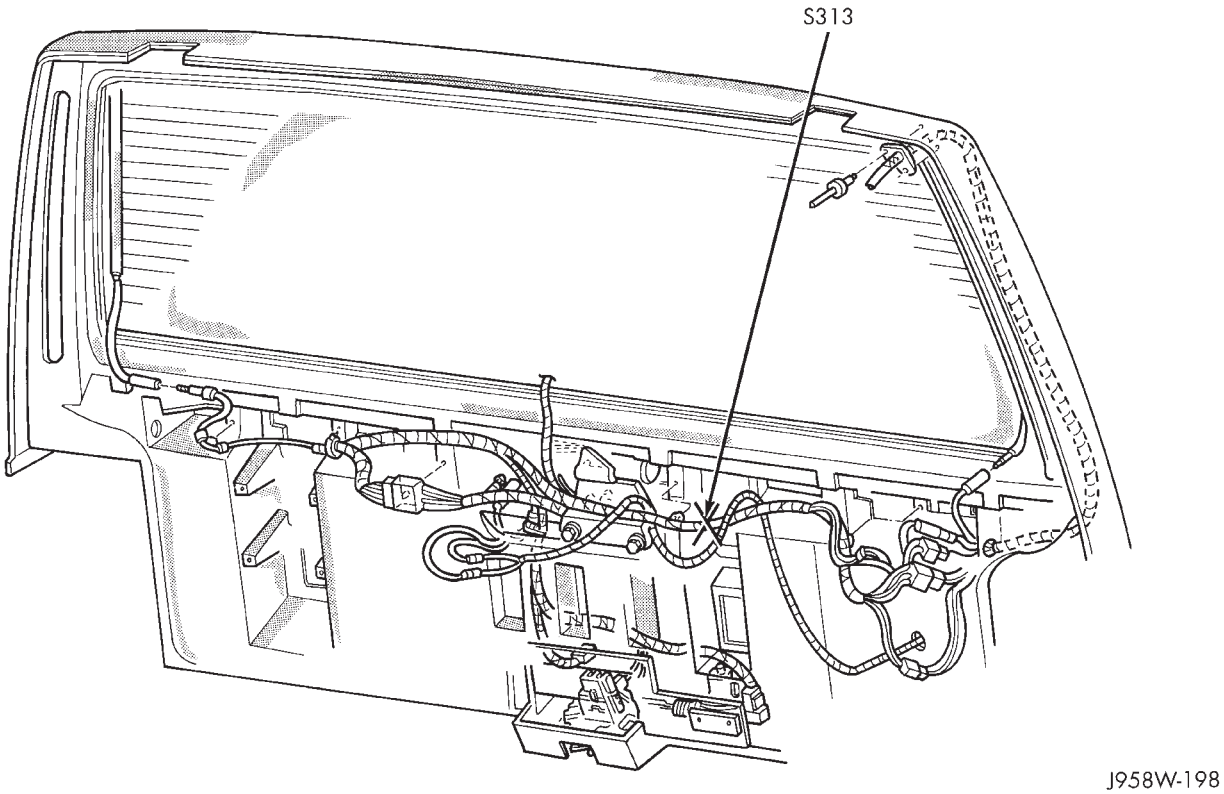

Fig. 12 Liftgate Splices XJ-RHD