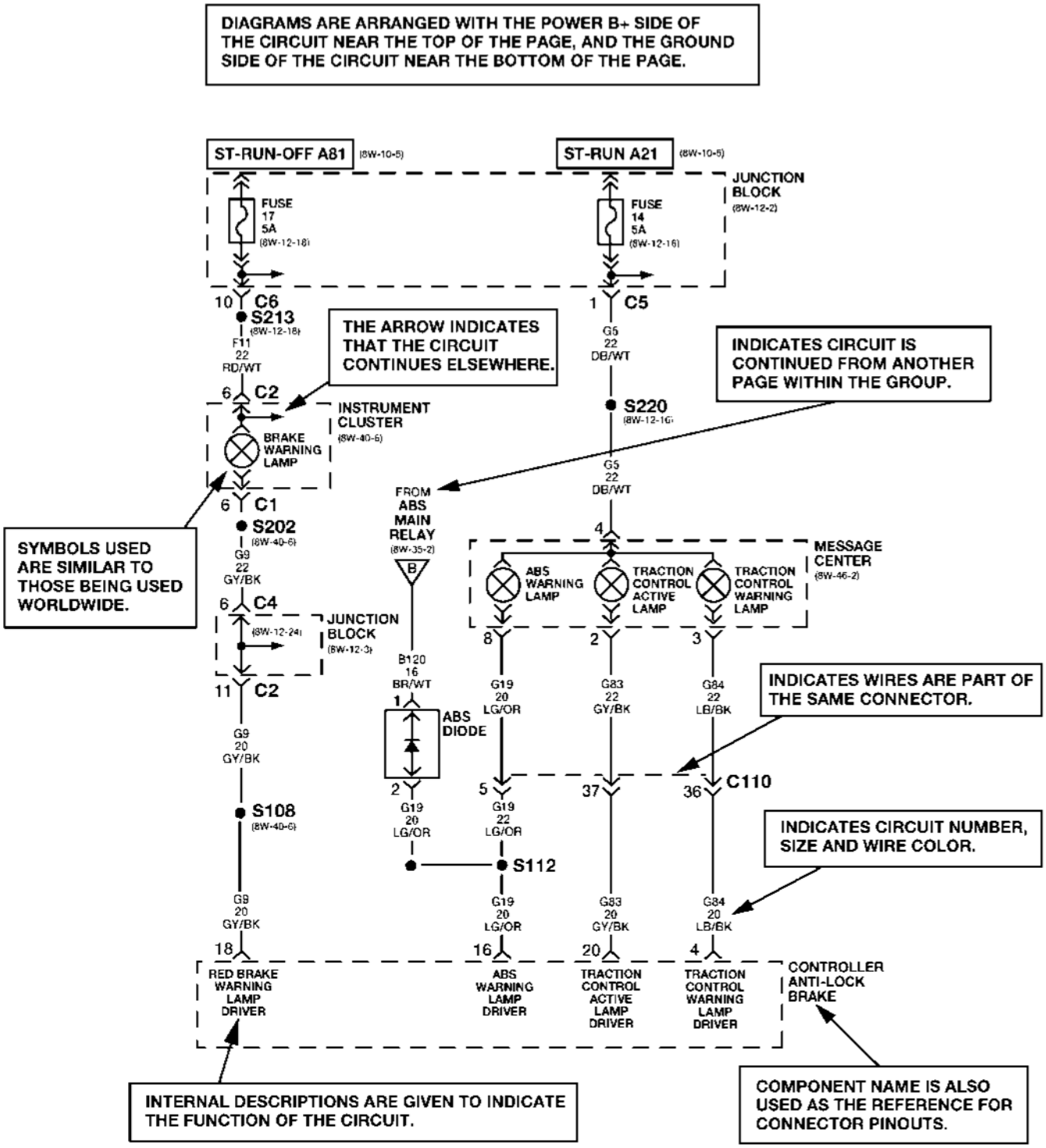
WIRING

TABLE OF CONTENTS

	page		page
WIRING DIAGRAM INFORMATION	8W-01-1	REAR WINDOW DEFOGGER	8W-48-1
COMPONENT INDEX	8W-02-1	OVERHEAD CONSOLE	8W-49-1
INTEGRATED POWER MODULE	8W-13-1	FRONT LIGHTING	8W-50-1
GROUND DISTRIBUTION	8W-15-1	REAR LIGHTING	8W-51-1
BUS COMMUNICATIONS	8W-18-1	TURN SIGNALS	8W-52-1
CHARGING SYSTEM	8W-20-1	WIPERS	8W-53-1
STARTING SYSTEM	8W-21-1	NAVIGATION/TELECOMMUNICATIONS	8W-55-1
FUEL/IGNITION SYSTEM	8W-30-1	CONVENIENCE SYSTEMS	8W-56-1
TRANSMISSION CONTROL SYSTEM	8W-31-1	POWER WINDOWS	8W-60-1
VEHICLE SPEED CONTROL	8W-33-1	POWER DOOR LOCKS	8W-61-1
ANTILOCK BRAKES	8W-35-1	POWER MIRRORS	8W-62-1
VEHICLE THEFT SECURITY SYSTEM	8W-39-1	POWER SEATS	8W-63-1
INSTRUMENT CLUSTER	8W-40-1	POWER SUNROOF	8W-64-1
HORN/CIGAR LIGHTER/POWER OUTLET	8W-41-1	SPLICE INFORMATION	8W-70-1
AIR CONDITIONING/HEATER	8W-42-1	CONNECTOR PIN-OUTS	8W-80-1
OCCUPANT RESTRAINT SYSTEM	8W-43-1	CONNECTOR/GROUND/SPLICE LOCATION	8W-91-1
INTERIOR LIGHTING	8W-44-1	POWER DISTRIBUTION	8W-97-1
BODY CONTROL MODULE	8W-45-1		
AUDIO/VIDEO SYSTEM	8W-47-1		



The System shown here is an EXAMPLE ONLY. It does not represent the actual circuit shown in the WIRING DIAGRAM SECTION.

80c06c01

Fig. 1 WIRING DIAGRAM EXAMPLE 1

DOOR NODE RELAY

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	B(+)
85	INTERNAL	B(+)
86	INTERNAL	DOOR NODE RELAY CONTROL
87	INTERNAL	DOOR NODE RELAY OUTPUT
87A	-	-

FRONT BLOWER MOTOR RELAY

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	B(+)
85	INTERNAL	B(+)
86	INTERNAL	FRONT BLOWER MOTOR RELAY CONTROL
87	C7 12DB	FUSED FRONT BLOWER MOTOR RELAY OUTPUT
87A	-	-

FRONT WIPER HIGH/LOW RELAY

CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	FRONT WIPER HIGH/LOW RELAY CONTROL
87	W4 12BR/OR	FRONT WIPER HIGH/LOW RELAY HIGH SPEED OUTPUT
87A	W3 12BR/WT	FRONT WIPER HIGH/LOW RELAY LOW SPEED OUTPUT

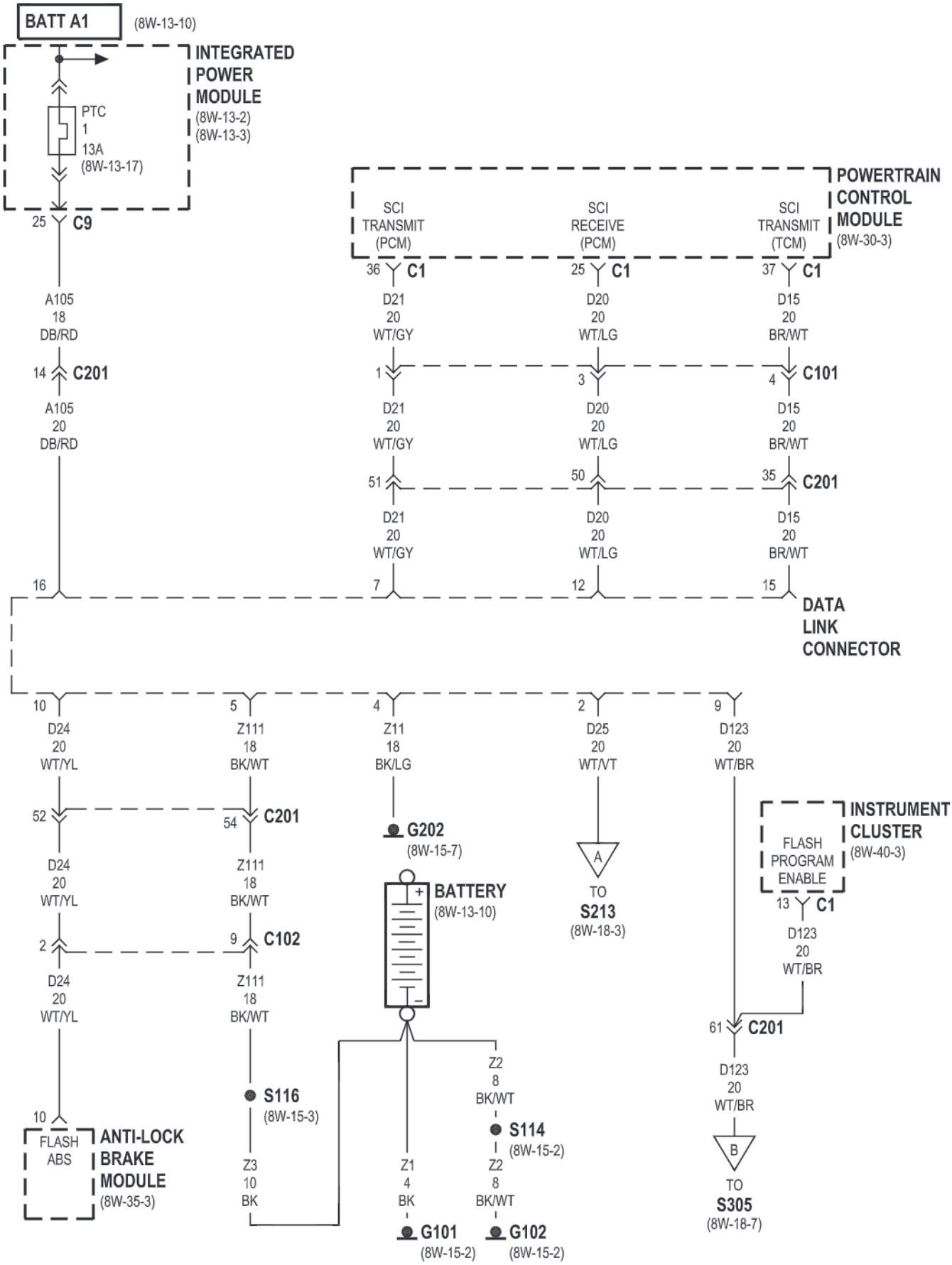
FRONT WIPER ON/OFF RELAY

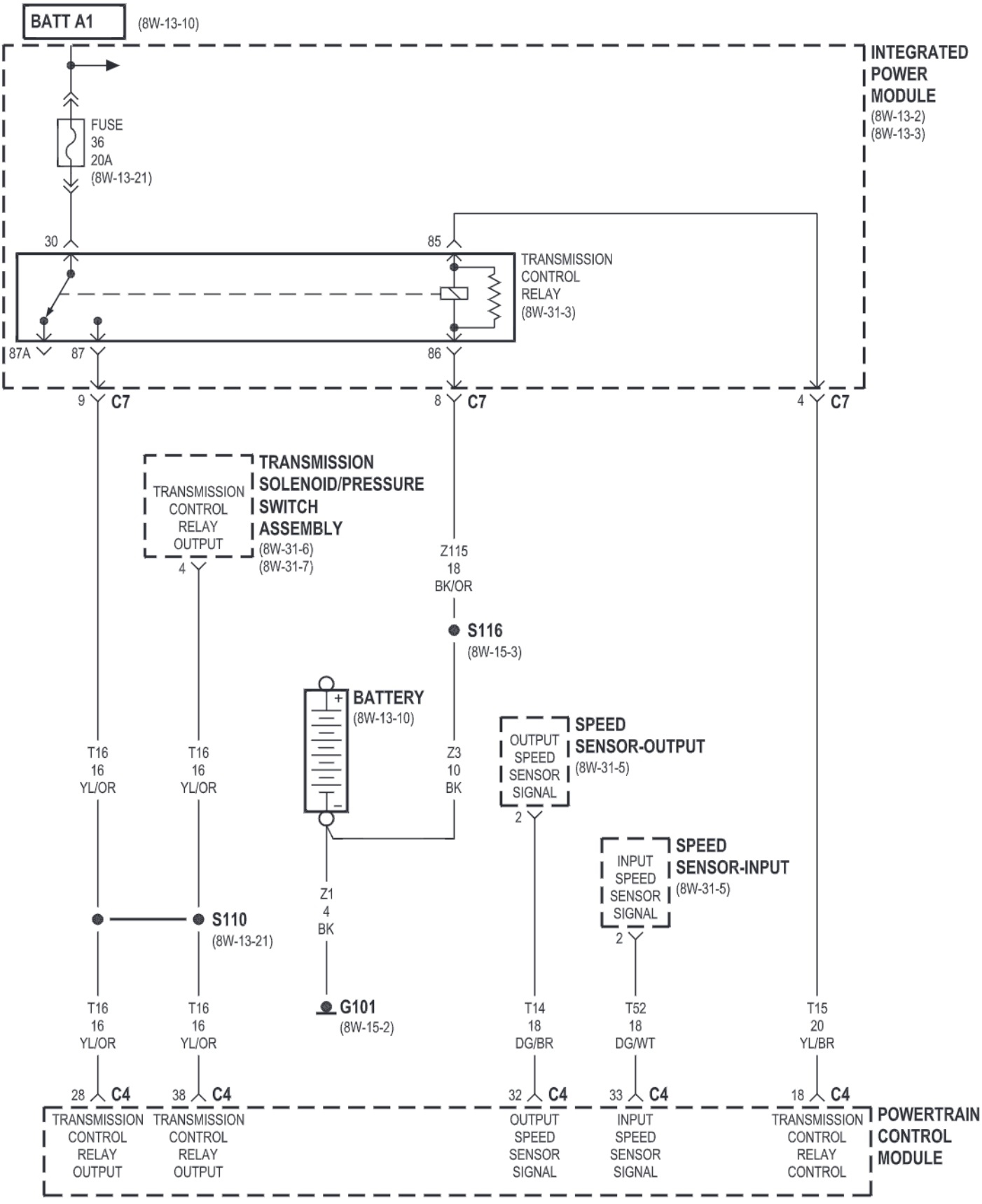
CAVITY	CIRCUIT	FUNCTION
30	INTERNAL	FUSED B(+)
85	INTERNAL	FUSED B(+)
86	INTERNAL	FRONT WIPER ON/OFF RELAY CONTROL
87	INTERNAL	FUSED B(+)
87A	INTERNAL	GROUND

8W-15 GROUND DISTRIBUTION

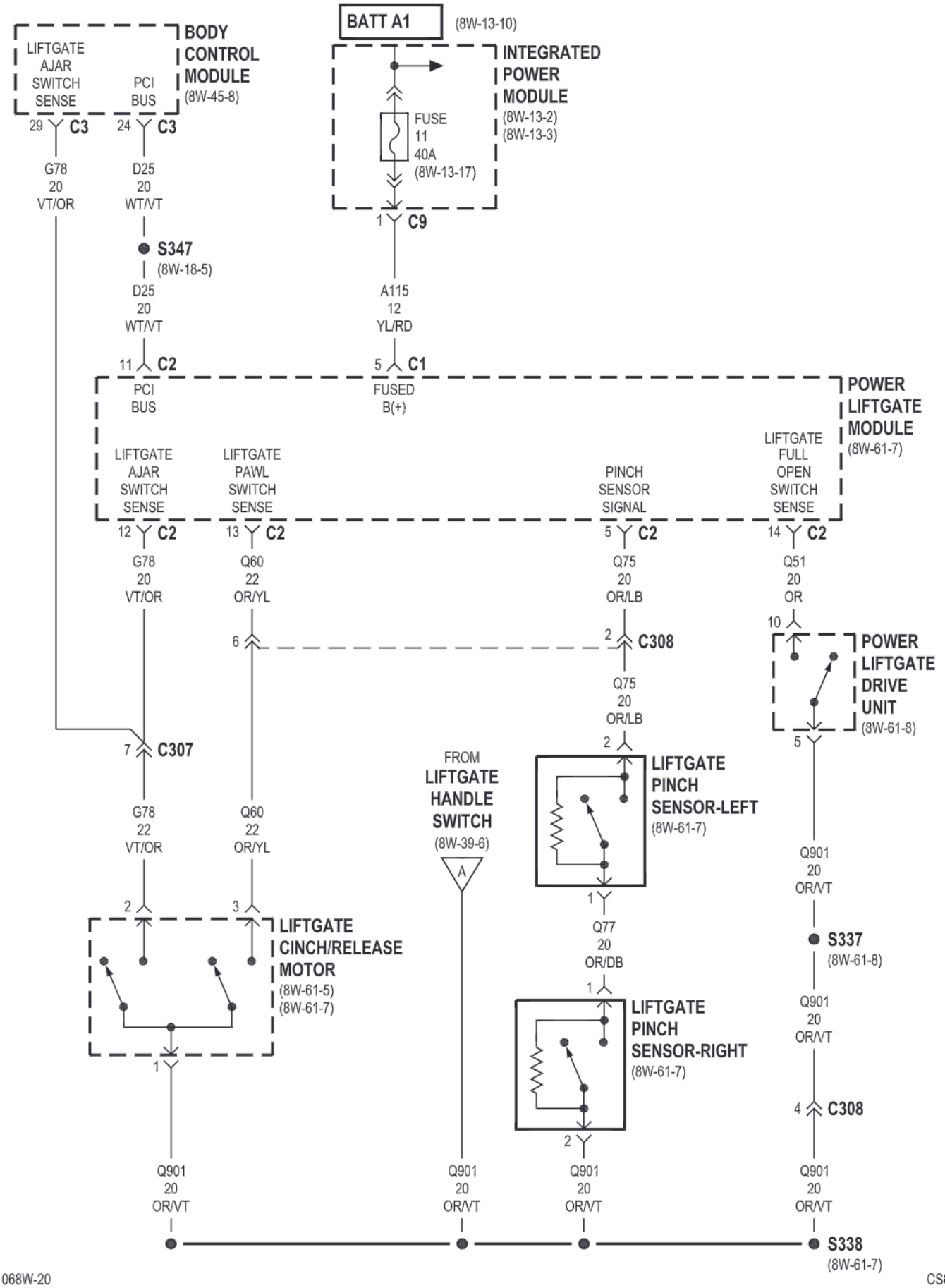
Component	Page
A/C Compressor Clutch	8W-15-2
A/C-Heater Control	8W-15-6, 7
Amplifier	8W-15-15
Anti-Lock Brake Module	8W-15-2
Auto Temp Control	8W-15-6
Automatic Day/Night Mirror	8W-15-15
Battery	8W-15-2, 3
Body Control Module	8W-15-15
Brake Fluid Level Switch	8W-15-16
Brake Lamp Switch	8W-15-16
Center High Mounted Stop Lamp	8W-15-12
Cigar Lighter	8W-15-7
Courtesy Lamp-Driver	8W-15-9
Courtesy Lamp-Passenger	8W-15-11
Data Link Connector	8W-15-3, 7
Dome Lamp	8W-15-8
Door Lock Motor/Ajar Switch-Driver	8W-15-9
Door Lock Motor/Ajar Switch-Passenger	8W-15-11
Door Module-Driver	8W-15-9
Door Module-Passenger	8W-15-11
DVD/CD Changer	8W-15-6
EGR Solenoid	8W-15-2
Fog Lamp-Left	8W-15-4
Fog Lamp-Right	8W-15-5
Front Blower Power Module	8W-15-7
Fuel Pump Module	8W-15-11, 16
G100	8W-15-2
G101	8W-15-2
G102	8W-15-2
G103	8W-15-4
G104	8W-15-5
G200	8W-15-6
G201	8W-15-6
G202	8W-15-7
G203	8W-15-7
G204	8W-15-7
G300	8W-15-9
G301	8W-15-10, 11
G302	8W-15-12, 13, 14
G303	8W-15-14
G304	8W-15-15
G305	8W-15-15, 16
G306	8W-15-14
Generator	8W-15-3
Glove Box Lamp	8W-15-7
Hands Free Module	8W-15-16
Headlamp-Left	8W-15-4, 5
Headlamp-Right	8W-15-4, 5
Heated Seat Switch-Left Middle Row	8W-15-10
Heated Seat Switch-Right Middle Row	8W-15-10
Heated Seat-Left Middle Row	8W-15-10
Heated Seat-Right Middle Row	8W-15-10
Horn Switch	8W-15-6
Horn-High Note	8W-15-5
Horn-Low Note	8W-15-5

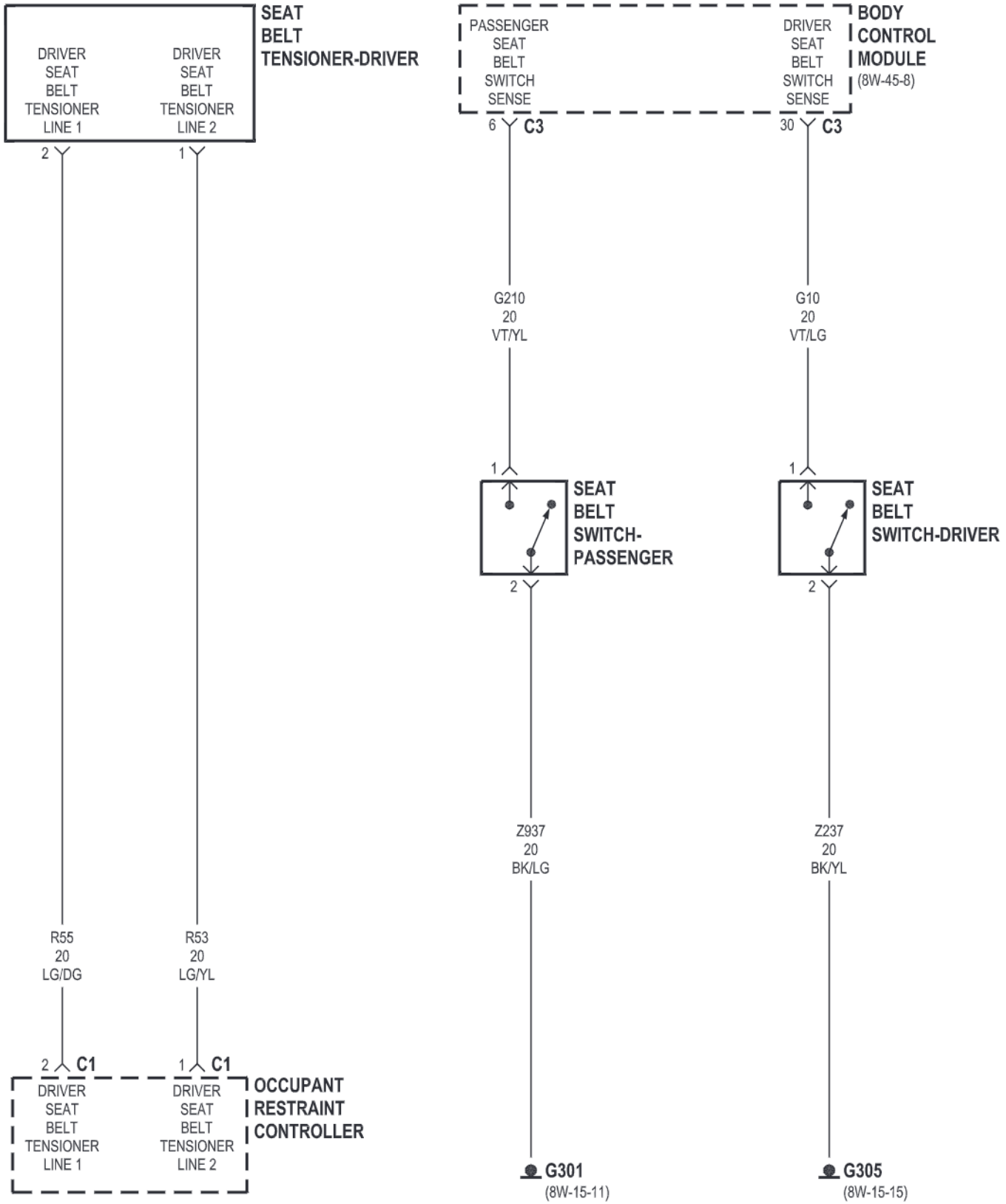
Component	Page
Instrument Cluster	8W-15-6
Instrument Panel Switch Pod	8W-15-6
Integrated Power Module	8W-15-2, 3, 4, 14
License Lamp	8W-15-13
Liftgate Cinch/Release Motor	8W-15-13
Liftgate Flood Lamp	8W-15-12
Liftgate Handle Switch	8W-15-13
Manifold Tuning Valve Solenoid	8W-15-2
Memory/Heated Seat Adjustable Pedals Module	8W-15-11
Multi-Function Switch	8W-15-6
Natural Vacuum Leak Detection Assembly	8W-15-11
Navigation Module	8W-15-16
Occupant Classification Module	8W-15-7
Occupant Restraint Controller	8W-15-7
Overhead Console	8W-15-15
Oxygen Sensor-1/1 Upstream	8W-15-2
Oxygen Sensor-1/2 Downstream	8W-15-2
Park Assist Module	8W-15-16
Power Liftgate Drive Unit	8W-15-14
Power Liftgate Module	8W-15-14
Power Outlet-Front Console	8W-15-7
Power Outlet-Instrument Panel	8W-15-7
Power Outlet-Rear	8W-15-14
Power Seat Switch-Driver	8W-15-9
Power Seat Switch-Passenger	8W-15-11
Power Sunroof Module	8W-15-14
Powertrain Control Module	8W-15-3
Radiator Fan Motor No. 1	8W-15-5
Radiator Fan Motor No. 2	8W-15-5
Radiator Fan Relay	8W-15-5
Radio	8W-15-6
Reading Lamp-Front	8W-15-8, 9
Reading/Courtesy Lamp-Left Middle	8W-15-8
Reading/Courtesy Lamp-Left Rear	8W-15-8
Reading/Courtesy Lamp-Right Middle	8W-15-8
Reading/Courtesy Lamp-Right Rear	8W-15-8
Rear Booster Fan Power Module	8W-15-11
Rear Booster Fan Rear Control Switch	8W-15-10
Rear Window Defogger	8W-15-12
Seat Belt Switch-Driver	8W-15-15
Seat Belt Switch-Passenger	8W-15-11
Seat Heater Interface Module	8W-15-10
Shift Lever Assembly	8W-15-6, 7
SKREEM Module	8W-15-6
Speed Control Servo	8W-15-4
Tail Lamp-Left	8W-15-14
Tail Lamp-Right	8W-15-15
Traction Control Switch	8W-15-6
Transmission Control Relay	8W-15-3
Visor/Vanity Lamp-Left	8W-15-8
Visor/Vanity Lamp-Right	8W-15-8
Washer Fluid Level Switch	8W-15-5
Wiper Module-Front	8W-15-14
Wiper Module-Rear	8W-15-12

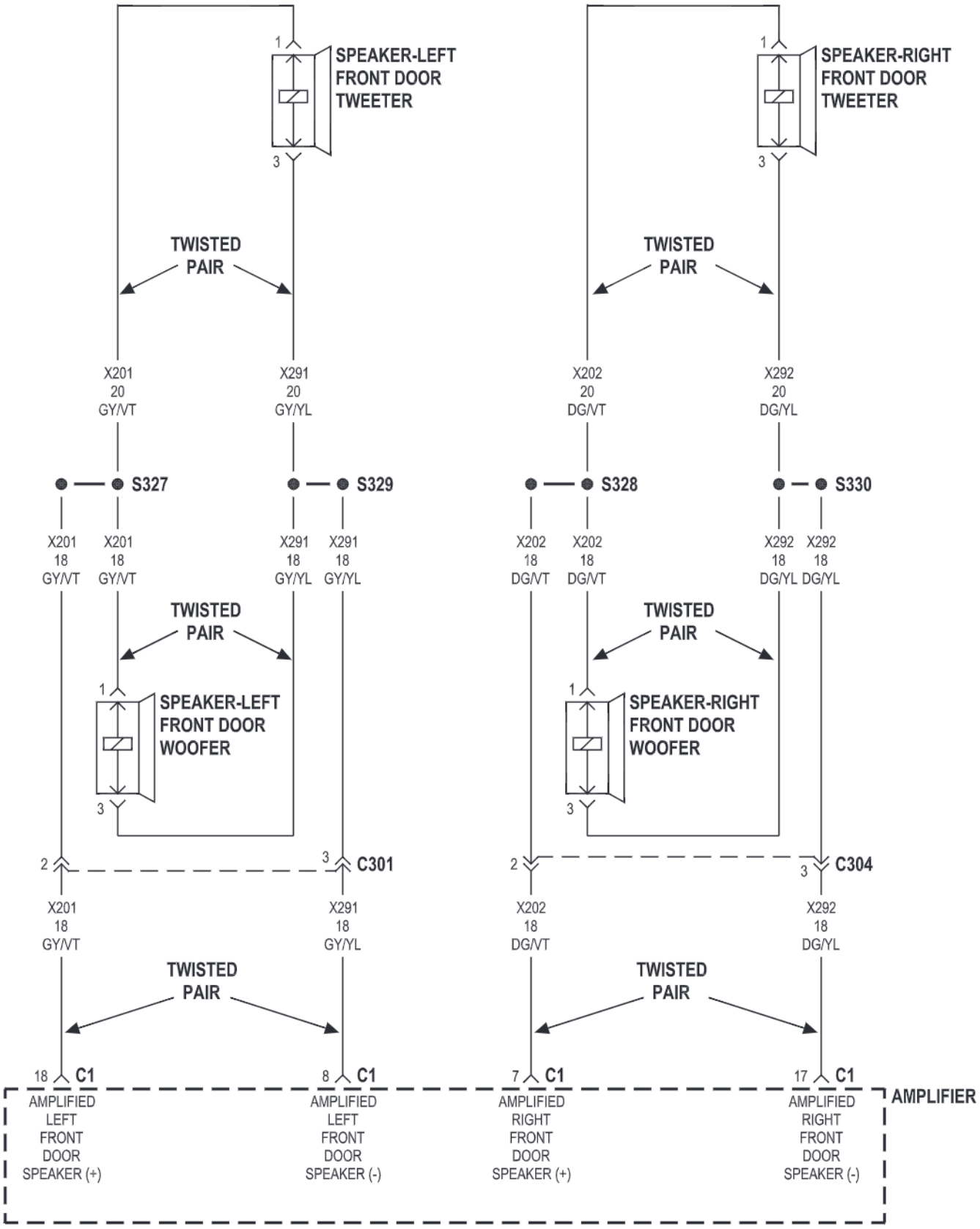

BATT A1
(8W-13-10)
INTEGRATED POWER MODULE
(8W-13-2)
(8W-13-3)
PTC
1
13A
(8W-13-17)
25 C9
POWERTRAIN CONTROL MODULE
(8W-30-3)
SCI TRANSMIT (PCM)
SCI RECEIVE (PCM)
SCI TRANSMIT (TCM)
36 C1
25 C1
37 C1
A105 18 DB/RD
14 C201
A105 20 DB/RD
D21 20 WT/GY
D20 20 WT/LG
D15 20 BR/WT
1
3
4 C101
51
50
35 C201
16
7
12
15
DATA LINK CONNECTOR
10 D24 20 WT/YL
52
2 D24 20 WT/YL
10
FLASH ABS
ANTI-LOCK BRAKE MODULE
(8W-35-3)
5 Z111 18 BK/WT
54 C201
9 C102
Z111 18 BK/WT
S116
(8W-15-3)
Z3 10 BK
4 Z11 18 BK/LG
G202
(8W-15-7)
BATTERY
(8W-13-10)
Z1 4 BK
G101
(8W-15-2)
Z2 8 BK/WT
S114
(8W-15-2)
Z2 8 BK/WT
G102
(8W-15-2)
2 D25 20 WT/VT
A
TO S213
(8W-18-3)
9 D123 20 WT/BR
INSTRUMENT CLUSTER
(8W-40-3)
FLASH PROGRAM ENABLE
13 C1
D123 20 WT/BR
61 C201
D123 20 WT/BR
B
TO S305
(8W-18-7)

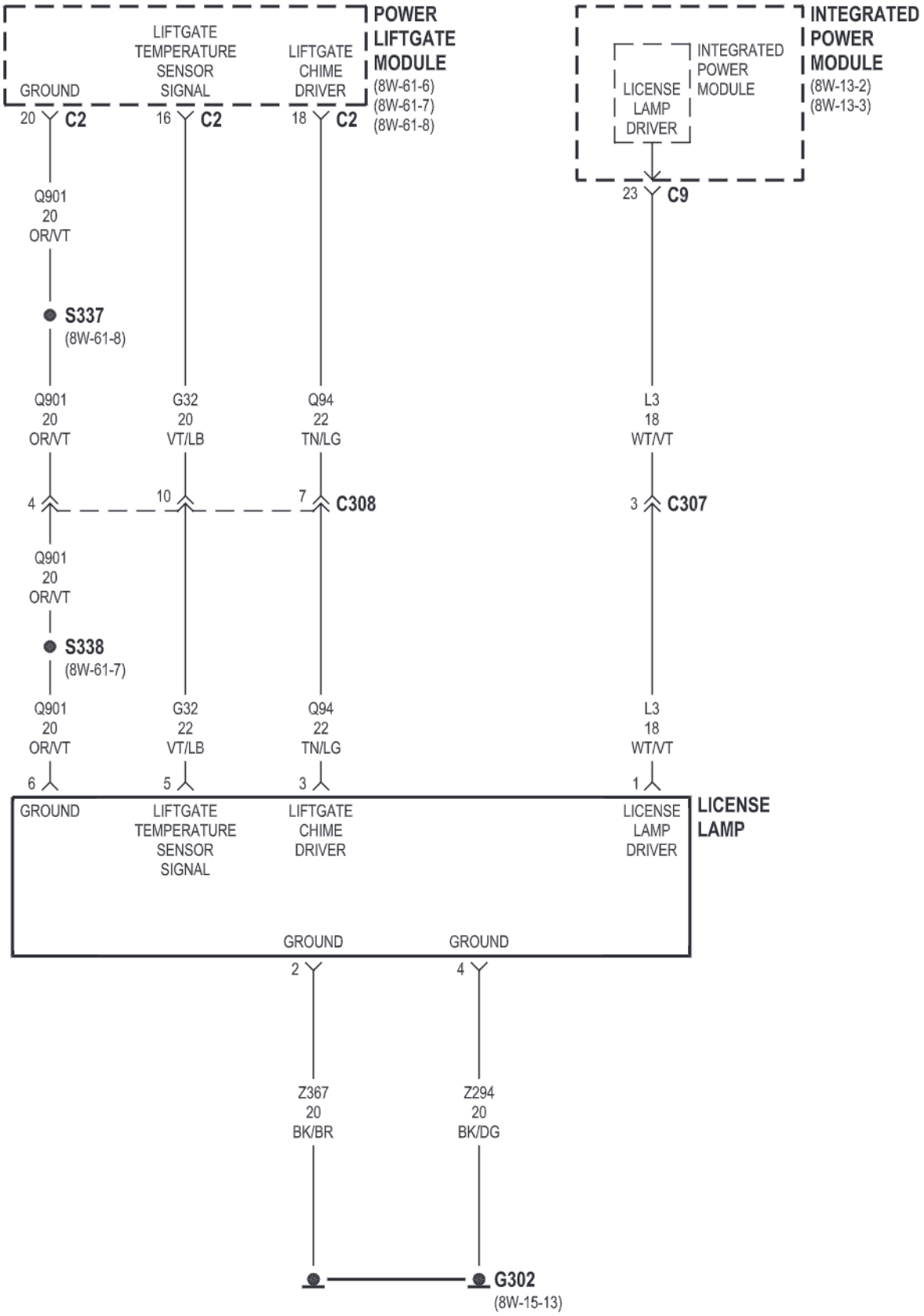

BATT A1
(8W-13-10)
INTEGRATED POWER MODULE
(8W-13-2)
(8W-13-3)
FUSE
36
20A
(8W-13-21)
30
85
TRANSMISSION CONTROL RELAY
(8W-31-3)
87A
87
86
9 C7
8 C7
4 C7
TRANSMISSION CONTROL RELAY OUTPUT
4
TRANSMISSION SOLENOID/PRESSURE SWITCH ASSEMBLY
(8W-31-6)
(8W-31-7)
Z115
18
BK/OR
S116
(8W-15-3)
BATTERY
(8W-13-10)
OUTPUT SPEED SENSOR SIGNAL
2
SPEED SENSOR-OUTPUT
(8W-31-5)
INPUT SPEED SENSOR SIGNAL
2
SPEED SENSOR-INPUT
(8W-31-5)
T16
16
YL/OR
T16
16
YL/OR
Z3
10
BK
S110
(8W-13-21)
Z1
4
BK
G101
(8W-15-2)
T16
16
YL/OR
T16
16
YL/OR
T14
18
DG/BR
T52
18
DG/WT
T15
20
YL/BR
28 C4
38 C4
32 C4
33 C4
18 C4
TRANSMISSION CONTROL RELAY OUTPUT
TRANSMISSION CONTROL RELAY OUTPUT
OUTPUT SPEED SENSOR SIGNAL
INPUT SPEED SENSOR SIGNAL
TRANSMISSION CONTROL RELAY CONTROL
POWERTRAIN CONTROL MODULE

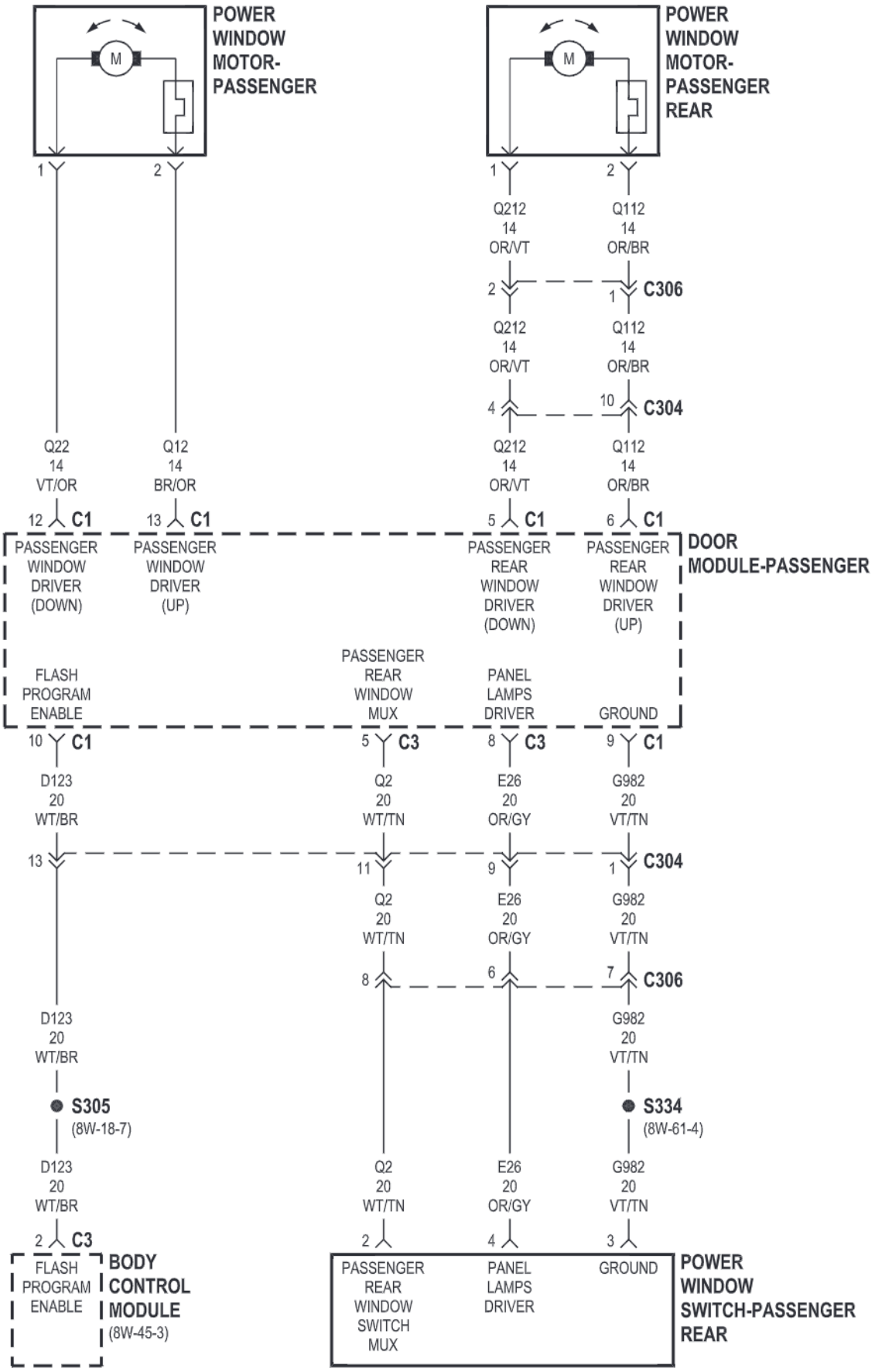
POWER LIFTGATE

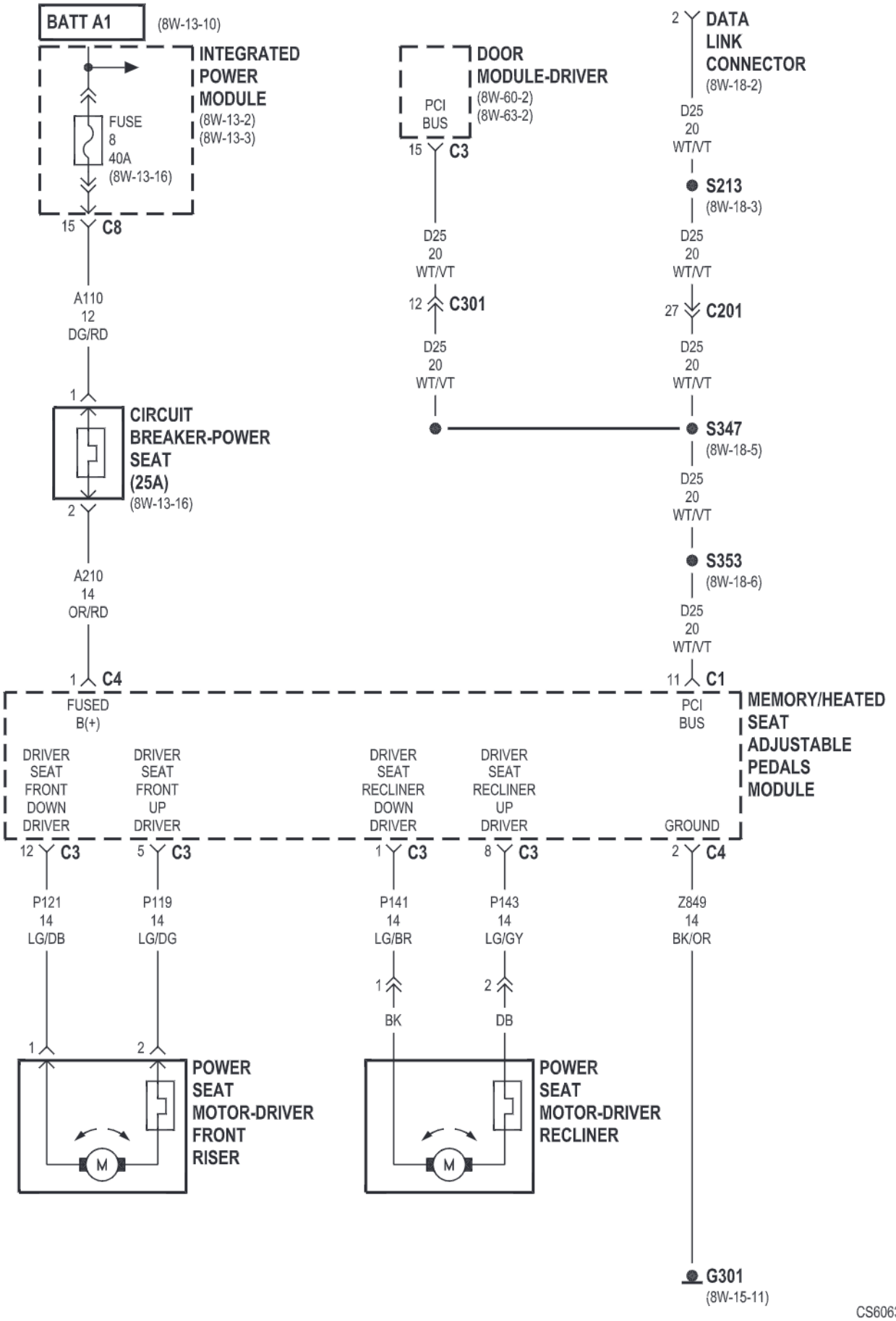


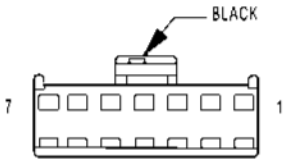

SEAT BELT TENSIONER-DRIVER
DRIVER SEAT BELT TENSIONER LINE 1
DRIVER SEAT BELT TENSIONER LINE 2
2
1
R55
20
LG/DG
R53
20
LG/YL
2 C1
1 C1
OCCUPANT RESTRAINT CONTROLLER
DRIVER SEAT BELT TENSIONER LINE 1
DRIVER SEAT BELT TENSIONER LINE 2
PASSENGER SEAT BELT SWITCH SENSE
DRIVER SEAT BELT SWITCH SENSE
BODY CONTROL MODULE
(8W-45-8)
6 C3
30 C3
G210
20
VT/YL
G10
20
VT/LG
1
1
SEAT BELT SWITCH-PASSENGER
SEAT BELT SWITCH-DRIVER
2
2
Z937
20
BK/LG
Z237
20
BK/YL
G301
(8W-15-11)
G305
(8W-15-15)


SPEAKER-LEFT FRONT DOOR TWEETER
SPEAKER-RIGHT FRONT DOOR TWEETER
TWISTED PAIR
X201 20 GY/VT
X291 20 GY/YL
X202 20 DG/VT
X292 20 DG/YL
S327
S329
S328
S330
X201 18 GY/VT
X291 18 GY/YL
X202 18 DG/VT
X292 18 DG/YL
SPEAKER-LEFT FRONT DOOR WOOFER
SPEAKER-RIGHT FRONT DOOR WOOFER
C301
C304
18 C1
8 C1
7 C1
17 C1
AMPLIFIED LEFT FRONT DOOR SPEAKER (+)
AMPLIFIED LEFT FRONT DOOR SPEAKER (-)
AMPLIFIED RIGHT FRONT DOOR SPEAKER (+)
AMPLIFIED RIGHT FRONT DOOR SPEAKER (-)
AMPLIFIER


POWER LIFTGATE MODULE
(8W-61-6)
(8W-61-7)
(8W-61-8)
GROUND
LIFTGATE TEMPERATURE SENSOR SIGNAL
LIFTGATE CHIME DRIVER
20 C2
16 C2
18 C2
INTEGRATED POWER MODULE
(8W-13-2)
(8W-13-3)
INTEGRATED POWER MODULE
LICENSE LAMP DRIVER
23 C9
Q901 20 OR/VT
S337
(8W-61-8)
Q901 20 OR/VT
G32 20 VT/LB
Q94 22 TN/LG
L3 18 WT/VT
4
10
7 C308
3 C307
Q901 20 OR/VT
S338
(8W-61-7)
Q901 20 OR/VT
G32 22 VT/LB
Q94 22 TN/LG
L3 18 WT/VT
6
5
3
1
GROUND
LIFTGATE TEMPERATURE SENSOR SIGNAL
LIFTGATE CHIME DRIVER
LICENSE LAMP DRIVER
LICENSE LAMP
GROUND
GROUND
2
4
Z367 20 BK/BR
Z294 20 BK/DG
G302
(8W-15-13)


POWER WINDOW MOTOR-PASSENGER
POWER WINDOW MOTOR-PASSENGER REAR
M
1
2
Q22 14 VT/OR
Q12 14 BR/OR
Q212 14 OR/VT
Q112 14 OR/BR
C306
C304
12 C1
13 C1
5 C1
6 C1
PASSENGER WINDOW DRIVER (DOWN)
PASSENGER WINDOW DRIVER (UP)
PASSENGER REAR WINDOW DRIVER (DOWN)
PASSENGER REAR WINDOW DRIVER (UP)
DOOR MODULE-PASSENGER
FLASH PROGRAM ENABLE
PASSENGER REAR WINDOW MUX
PANEL LAMPS DRIVER
GROUND
10 C1
5 C3
8 C3
9 C1
D123 20 WT/BR
Q2 20 WT/TN
E26 20 OR/GY
G982 20 VT/TN
S305
(8W-18-7)
S334
(8W-61-4)
2 C3
BODY CONTROL MODULE
(8W-45-3)
POWER WINDOW SWITCH-PASSENGER REAR

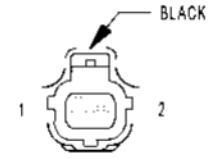

BATT A1
(8W-13-10)
INTEGRATED POWER MODULE
(8W-13-2)
(8W-13-3)
FUSE 8 40A
(8W-13-16)
15 C8
A110 12 DG/RD
1
CIRCUIT BREAKER-POWER SEAT (25A)
(8W-13-16)
2
A210 14 OR/RD
1 C4
FUSED B(+)
DOOR MODULE-DRIVER
(8W-60-2)
(8W-63-2)
PCI BUS
15 C3
D25 20 WT/VT
12 C301
D25 20 WT/VT
2 DATA LINK CONNECTOR
(8W-18-2)
D25 20 WT/VT
S213
(8W-18-3)
D25 20 WT/VT
27 C201
D25 20 WT/VT
S347
(8W-18-5)
D25 20 WT/VT
S353
(8W-18-6)
D25 20 WT/VT
11 C1
PCI BUS
MEMORY/HEATED SEAT ADJUSTABLE PEDALS MODULE
DRIVER SEAT FRONT DOWN DRIVER
DRIVER SEAT FRONT UP DRIVER
DRIVER SEAT RECLINER DOWN DRIVER
DRIVER SEAT RECLINER UP DRIVER
GROUND
12 C3
5 C3
1 C3
8 C3
2 C4
P121 14 LG/DB
P119 14 LG/DG
P141 14 LG/BR
P143 14 LG/GY
Z849 14 BK/OR
1
2
BK
DB
1
2
POWER SEAT MOTOR-DRIVER FRONT RISER
M
POWER SEAT MOTOR-DRIVER RECLINER
M
G301
(8W-15-11)



AUTOMATIC DAY/NIGHT MIRROR

AUTOMATIC DAY/NIGHT MIRROR - BLACK 7 WAY

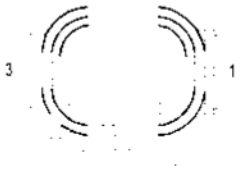
CAV	CIRCUIT	FUNCTION
1	F316 20BK/PK	FUSED ACCESSORY RELAY OUTPUT
2	Z113 18BK/DB	GROUND
3	L11 20BK/WT	BACKUP LAMP SIGNAL
4	P112 20BK/OR	AUTO DAY/NIGHT MIRROR (+)
5	P114 20BK/LB	AUTO DAY/NIGHT MIRROR (-)
6	-	-
7	L24 20BK/GY	AUTOMATIC HEADLAMP SIGNAL



BATTERY TEMPERATURE SENSOR

BATTERY TEMPERATURE SENSOR - BLACK 2 WAY

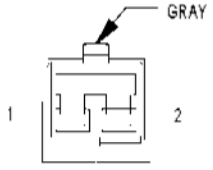
CAV	CIRCUIT	FUNCTION
1	K91 20DB/YL	BATTERY TEMP SIGNAL
2	K900 20DB/DG	SENSOR GROUND



BELT TENSION SENSOR

BELT TENSION SENSOR - 3 WAY

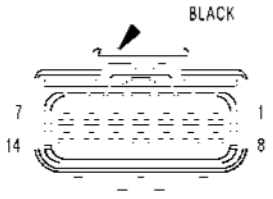
CAV	CIRCUIT	FUNCTION
1	R86 20LG/LB	BELT TENSION SENSOR FEED
2	R986 20LG/BR	BELT TENSION SENSOR GROUND
3	D105 20WT/OR	BELT TENSION SENSOR SIGNAL



BLEND DOOR ACTUATOR-DRIVER

BLEND DOOR ACTUATOR-DRIVER - GRAY 2 WAY

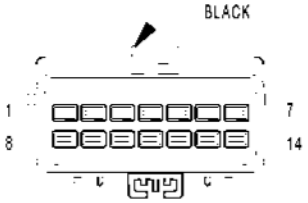
CAV	CIRCUIT	FUNCTION
1	C61 20DB/LG	DRIVER BLEND DOOR DRIVER (A)
2	C161 20LB/WT	DRIVER BLEND DOOR DRIVER (B)



C304

C304 - BLACK (BODY SIDE)

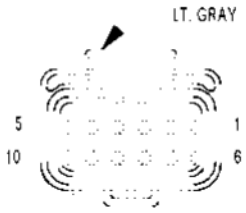
CAV	CIRCUIT
1	G982 20VT/TN
2	X202 18DG/VT
3	X292 18DG/YL
4	Q212 14OR/VT
5	A214 18RD/LB
6	P222 18VT/DG
7	P292 18VT/LG
8	F516 12PK
9	E26 20OR/GY
10	Q112 14OR/BR
11	Q2 20WT/TN
12	D25 20WT/VT
13	D123 20WT/BR
14	Z822 12BK/BR



C304

C304 - BLACK (RIGHT FRONT DOOR SIDE)

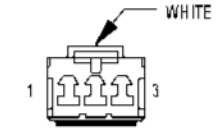
CAV	CIRCUIT
1	G982 20VT/TN
2	X202 18DG/VT
3	X292 18DG/YL
4	Q212 14OR/VT
5	A214 18RD/LB
6	P222 18VT/DG
7	P292 18VT/LG
8	F516 12PK
9	E26 20OR/GY
10	Q112 14OR/BR
11	Q2 20WT/TN
12	D25 20WT/VT
13	D123 20WT/BR
14	Z822 12BK/BR



C306

C306 - LT. GRAY (BODY SIDE)

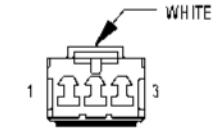
CAV	CIRCUIT
1	Q112 14OR/BR
2	Q212 14OR/VT
3	G76 20VT/YL
4	P222 18VT/DG
5	P292 18VT/LG
6	E26 20OR/GY
7	G982 20VT/TN
8	Q2 20WT/TN
9	X206 18DG/LG
10	X296 18DG/GY



SEAT POSITION SENSOR-DRIVER HORIZONTAL

SEAT POSITION SENSOR-DRIVER HORIZONTAL - WHITE 3 WAY

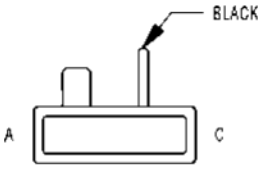
CAV	CIRCUIT	FUNCTION
1	P29 20LG/WT	DRIVER SEAT POSITION SENSOR 5 VOLT SUPPLY
2	P25 20LG/VT	DRIVER SEAT HORIZONTAL POSITION SIGNAL
3	P28 20LG/BR	DRIVER SEAT POSITION SENSOR GROUND



SEAT POSITION SENSOR-DRIVER REAR RISER

SEAT POSITION SENSOR-DRIVER REAR RISER - WHITE 3 WAY

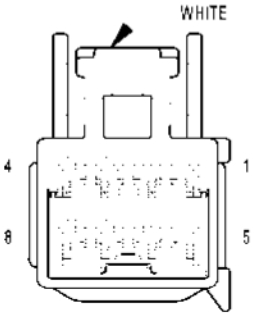
CAV	CIRCUIT	FUNCTION
1	P29 20LG/WT	DRIVER SEAT POSITION SENSOR 5 VOLT SUPPLY
2	P27 20LG/DB	DRIVER SEAT REAR RISER POSITION SIGNAL
3	P28 20LG/BR	DRIVER SEAT POSITION SENSOR GROUND



SEAT POSITION SENSOR-DRIVER RECLINER

SEAT POSITION SENSOR-DRIVER RECLINER - BLACK 3 WAY

CAV	CIRCUIT	FUNCTION
A	P28 20LG/BR	DRIVER SEAT POSITION SENSOR GROUND
B	P47 20LG/LB	DRIVER SEAT RECLINER POSITION SIGNAL
C	P29 20LG/WT	DRIVER SEAT POSITION SENSOR 5 VOLT SUPPLY



SHIFT LEVER ASSEMBLY

SHIFT LEVER ASSEMBLY - WHITE 8 WAY

CAV	CIRCUIT	FUNCTION
1	Z101 18BK/VT	GROUND
2	Z65 20BK/YL	GROUND
3	Z157 18BK/LG	GROUND
4	T44 20YL/DG	AUTOSTICK DOWNSHIFT SWITCH SIGNAL
5	T5 20DG/YL	AUTOSTICK UPSHIFT SWITCH SIGNAL
6	E12 18OR/GY	PANEL LAMPS DRIVER
7	-	-
8	F2 18PK/YL	IGNITION SWITCH OUTPUT (RUN-START)