

**2011**

**Chevrolet Silverado**

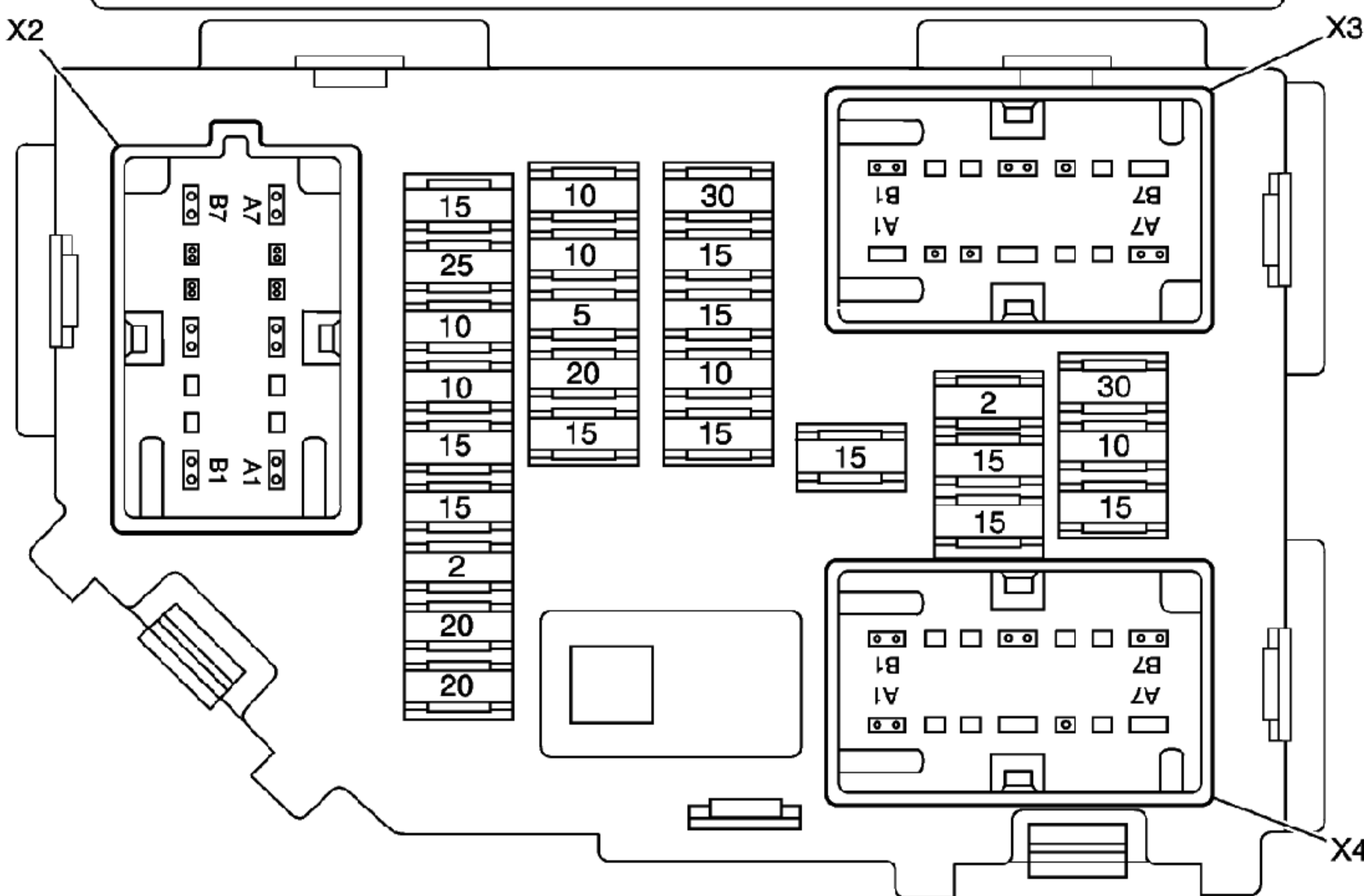
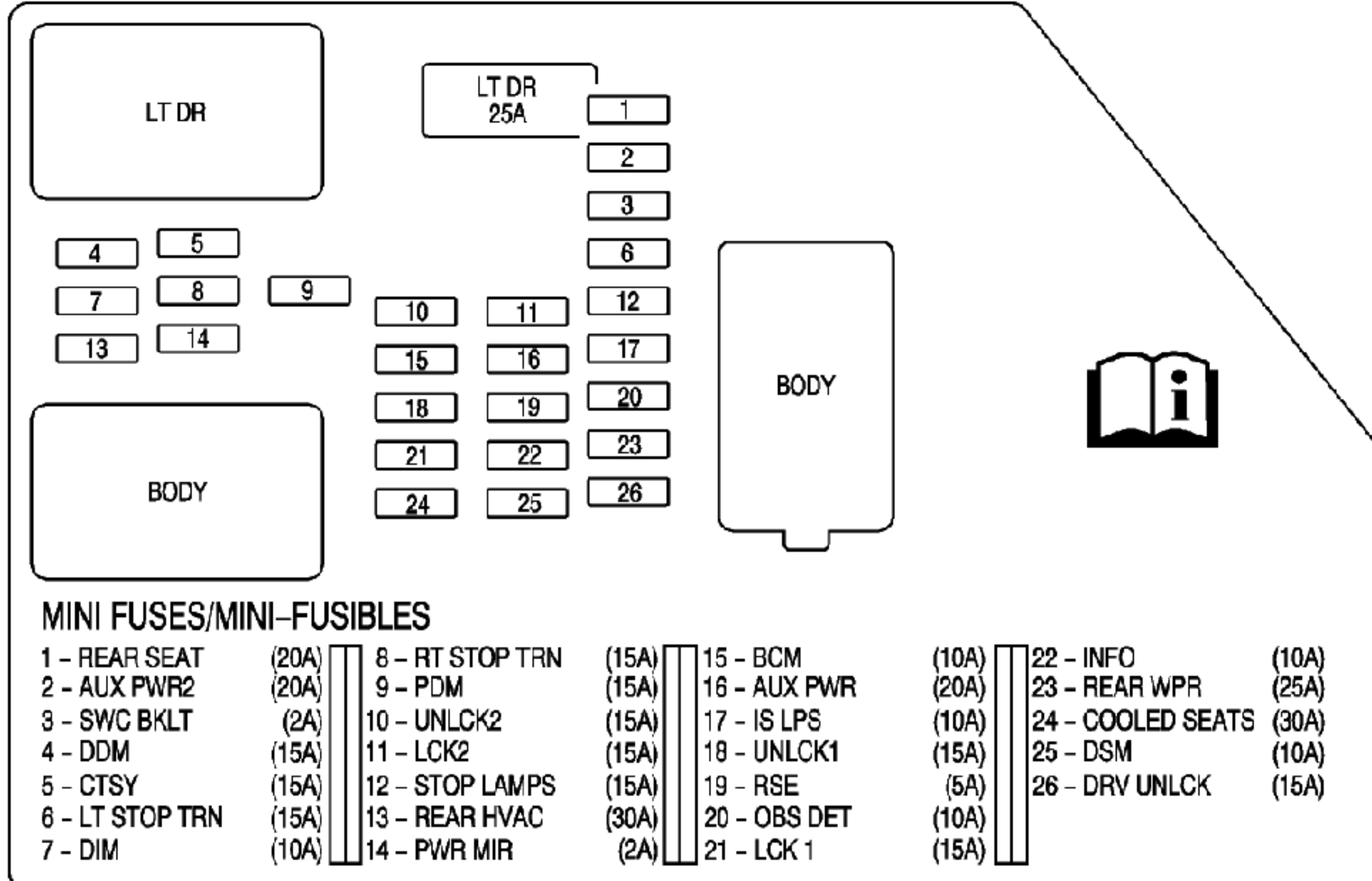
**Electrical Reference:**

**Fuseboxes, BCM**

**Junction Boxes,**

**Radio, Amplifier**

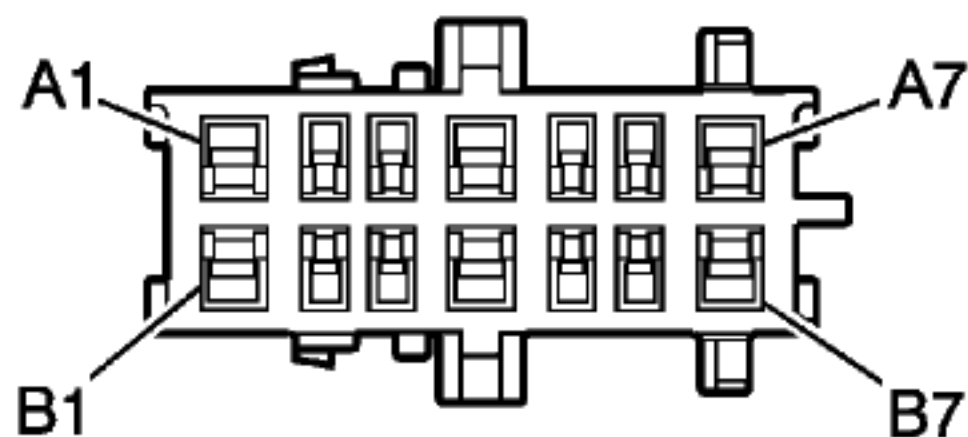
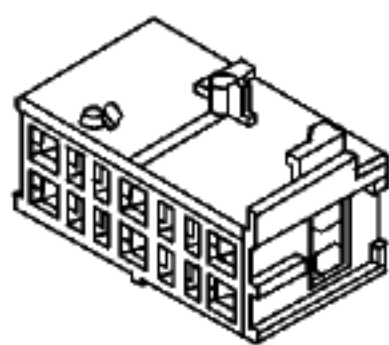
**Video, XM**



No.	Device	Rating	Description
1	REAR SEAT Fuse	20A	Not Used
2	AUX PWR2 Fuse	20A	Accessory Power Outlet - Center Console (D07 with UQ3), Accessory power Outlet - Center Console Compartment (D07 with UQA), Accessory Power Outlet - Center Seat (AZ3)
3	SWC BKLT Fuse	2A	Steering Wheel Control Switch Assembly - Left, Steering Wheel Control Switch Assembly - Right
4	DDM Fuse	15A	Door Lock/Window Switch - Driver (AN3 or DL3)
5	CTSY Fuse	15A	Body Control Module (BCM)
6	LT STOP TRN Fuse	15A	Body Control Module (BCM) (except TZ0), Trailer Stop/Turn Relay (TZ0)
7	DIM Fuse	10A	Body Control Module (BCM)
8	RT STOP TRN Fuse	15A	Body Control Module (BCM)
9	PDM Fuse	15A	Garage Door Opener (GDO) (UG1), Door Lock/Window Switch - Passenger (YE9 or Y91), Roof Beacon Switch (5X7, 5Y0 or TRW)
10	UNLCK2 Fuse	15A	Door Latch - Passenger (AU3 except AN3/DL3)
11	LCK2 Fuse	15A	Door Latch - Passenger (AU3 except AN3 or DL3), Door Latch - Driver (AU3 except AN3 or DL3)
12	STOP LAMPS Fuse	15A	Body Control Module (BCM)
13	REAR HVAC Fuse	30A	Not Used
14	PWR MIR Fuse	2A	Outside Rearview Mirror Switch (DL8 or DPN with YE9 and without AN3)
15	BCM Fuse	10A	Body Control Module (BCM)
16	AUX PWR Fuse	20A	Accessory Power Outlet - Center Console (D07 with UQA), Accessory power Outlet - Center Console Compartment (D07 with UQA), Accessory Power Outlet - I/P 2
17	IS LPS Fuse	10A	Body Control Module (BCM)
18	UNLCK1 Fuse	15A	Door Latch - Left Rear (Crew Cab), Door Latch - Right Rear (Crew Cab)
19	RSE Fuse	5A	Video Display (U42)
20	OBS DET Fuse	10A	Rear Object Sensor Control Module (UD7)
21	LCK 1 Fuse	15A	Door Latch - Left Rear (Crew Cab), Door Latch - Right Rear (Crew Cab)
22	INFO Fuse	10A	Vehicle Communication Interface Module (VCIM) (UE1)
23	REAR WPR Fuse	25A	Not Used
24	COOLED SEATS Fuse	30A	Seat Climate Control Module (KB6)
25	DSM Fuse	10A	Memory Seat Module (AN3), Remote Control Door Lock Receiver (RCDLR) (AP3 or AP8)
26	DRV UNLCK Fuse	15A	Door Latch - Driver (AU3 except AN3 or DL3)
-	LT DR Circuit Breaker	25A	Door Lock Window Switch - Driver (AN3 or DL3), Window Switch - Driver (A31 except AN3 or DL3), Window Switch - Left Rear (A31)

**Note:** Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.

-	Lock PCB Relay (AU3 except AN3/DL3)	-	Door Latch - Driver, Door Latch - Passenger, Door Latch - Left Rear (Crew Cab), Door Latch - Right Rear (Crew Cab)
-	Lock/Unlock PCB Relay (Crew Cab with AN3)	-	Door Latch - Left Rear, Door Latch - Right Rear
-	Unlock PCB Relay (AU3 except AN3/DL3)	-	Door Latch - Driver, Door Latch - Passenger, Door Latch - Left Rear (Crew Cab), Door Latch - Right Rear (Crew Cab)

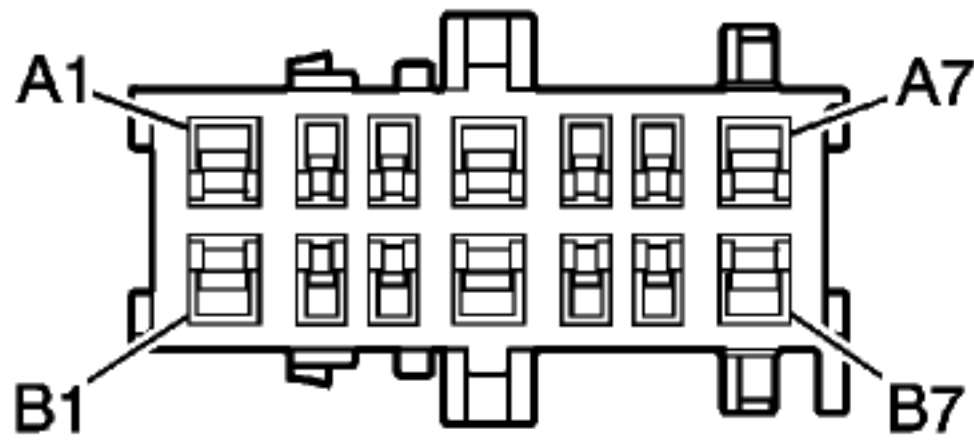
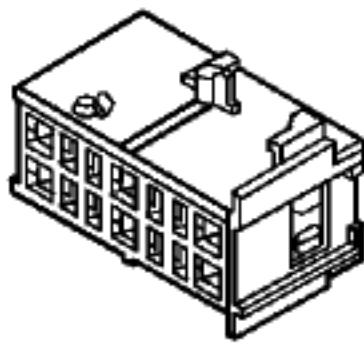


### Connector Part Information

- Harness: Body
- OEM: 15467621
- Service: 19115663
- Description: 14-Way F GT 150/280 Series (GY)

### Fuse Block - I/P X2 (except MEX)

Pin	Wire	Circuit	Function
A1	0.8 RD/WH	6040	Battery Positive Voltage (AZ3, Crew Cab or Extended Cab with D07, with UQ3 or HP2)
A2	0.35 L-BU	5921	Driver Door Unlock Relay Control (YE9 or HP2 without AN3 or DL3)
A3	0.35 L-BU	195	Door Lock Control (AU3 without YE9, AN3 or DL3)
	0.8 GY	295	Door Lock Actuator Lock Control (AU3 with YE9 and without AN3 or DL3, or HP2 without DL3)
A4	-	-	Not Used
A5	0.8 TN	694	Driver Door Lock Actuator Unlock Control (AU3 with YE9 and without AN3 or DL3, or HP2 without DL3)
A6	-	-	Not Used
A7	2 RD/WH	4740	Battery Positive Voltage (KB6)
B1	3 RD/WH	1240	Battery Positive Voltage (Crew Cab with A31 or HP2, or Extended Cab with ABV)
B2-B4	-	-	Not Used
B5	0.35 RD/WH	840	Battery Positive Voltage (UD7)
B6	-	-	Not Used
B7	0.5 RD/WH	1140	Battery Positive Voltage (AN3)
	0.8 RD/WH	1140	Battery Positive Voltage (AP3 or AP8)



### Connector Part Information

- Harness: Body
- OEM: 15467620
- Service: 19115662
- Description: 14-Way F GT 150/280 Series (BK)

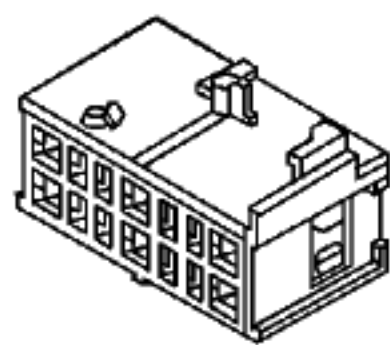
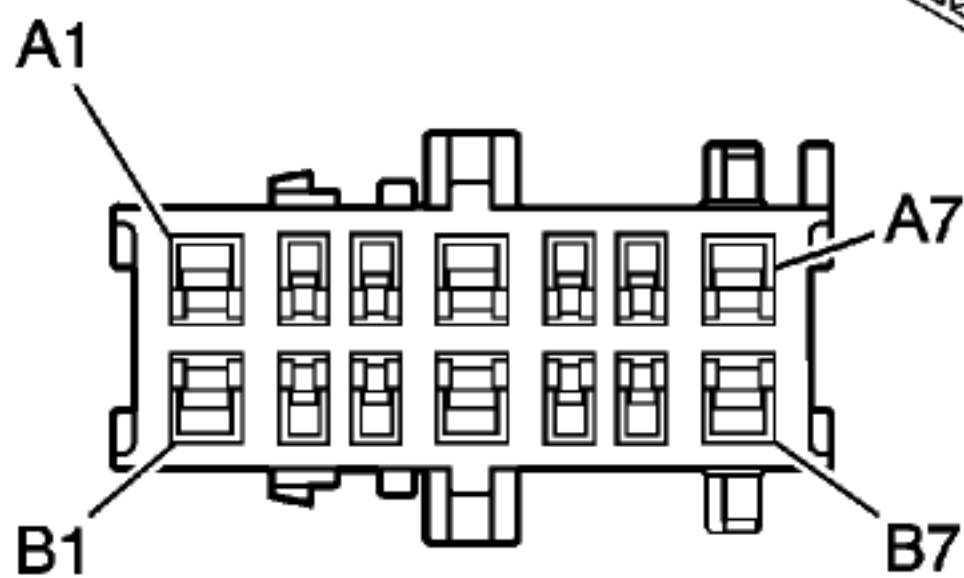
### Terminal Part Information

- Pins: A2, A3, A5, A6, B5, B6
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)
- Pins: B1, B4
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Fuse Block - I/P X3

Pin	Wire	Circuit	Function
A1	-	-	Not Used
A2	0.35 L-BU	195	Door Lock Control (YE9 or HP2)
	0.35 L-BU	5921	Driver Unlock Relay Control (except YE9, MEX, HP2 or A52)
A3	0.35 WH	194	Unlock Relay Control (AU3, AN3 or HP2)
A4	-	-	Not Used
A5	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (except YE9, MEX, HP2 or A52)
A6	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (except YE9, MEX, HP2 or A52)
A7	-	-	Not Used
B1	0.8 TN	294	Door Lock Actuator Unlock Control (Crew Cab with AU3 or HP2)
	0.8 TN	294	Door Lock Actuator Unlock Control (Crew Cab with AU3 or HP2)
B2-B3	-	-	Not Used
B4	0.8 GY	295	Door Lock Actuator Lock Control (Crew Cab with AU3 or HP2)
	0.8 GY	295	Door Lock Actuator Lock Control (Crew Cab with AU3 or HP2)
B5	0.35 TN	126	Left Front Door Open Switch Signal (MEX or A52)
B6	0.35 GY/BK	745	Left Front Door Ajar Switch Signal (except AN3 or DL3)
B7	-	-	Not Used



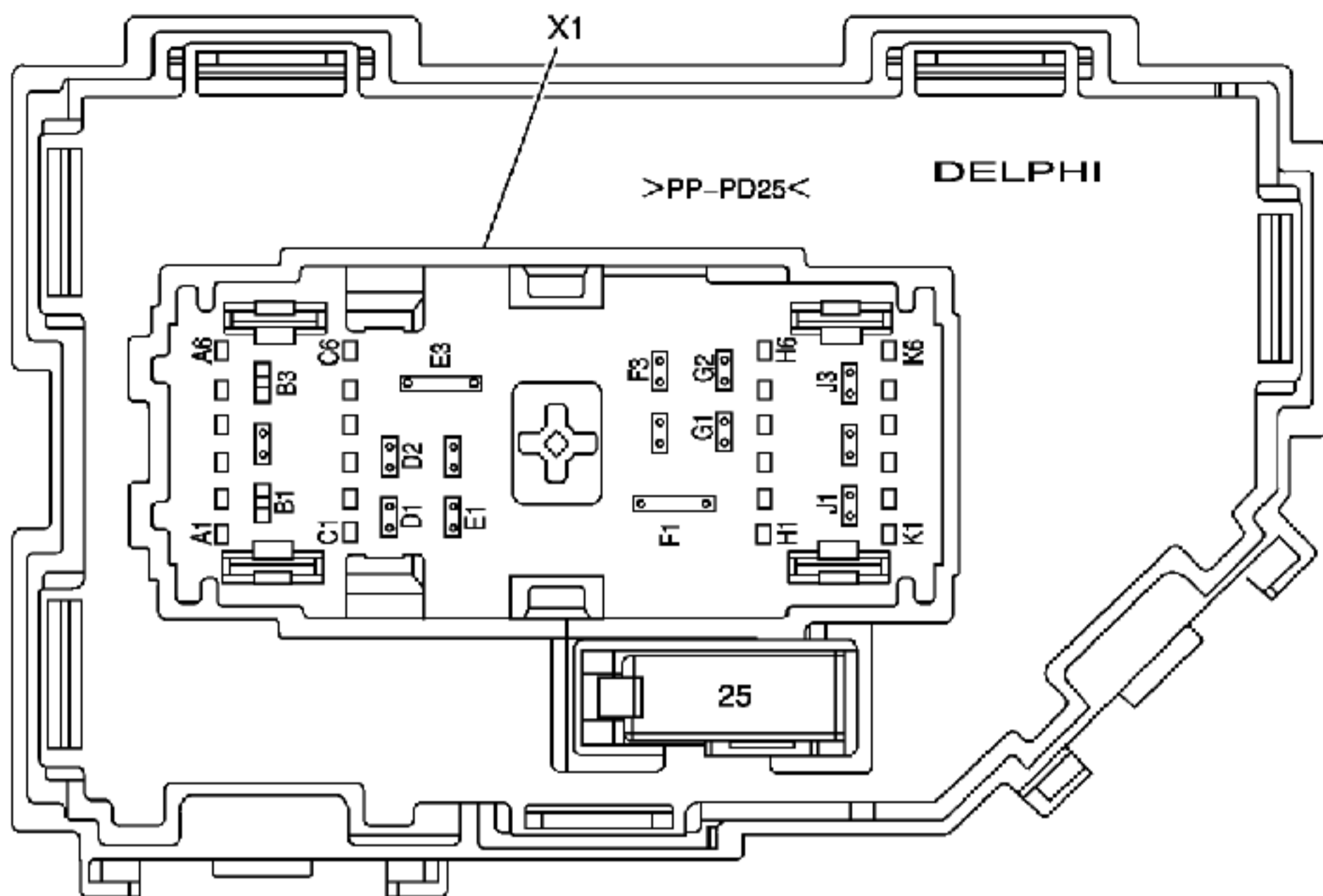
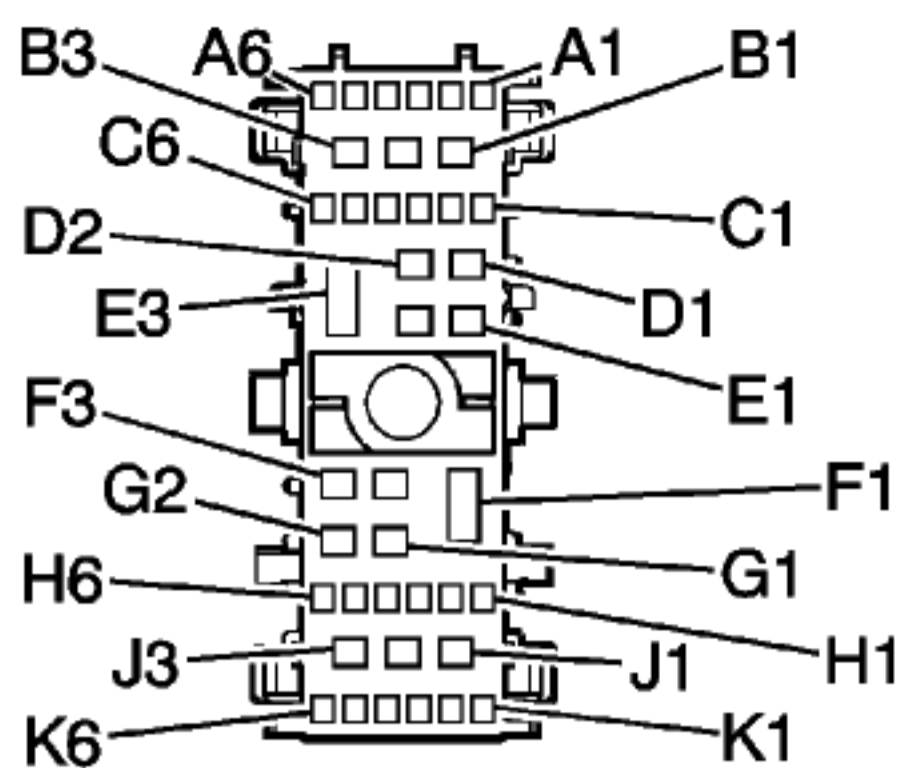


### Connector Part Information

- Harness: Left Front Door
- OEM: 15467622
- Service: 19115664
- Description: 14-Way F GT 150/280 Series (L-GY)

### Fuse Block - I/P X4

Pin	Wire	Circuit	Function
A1	2 RD/WH	1240	Battery Positive Voltage (A31)
A2	0.35 D-GN	5060	Low Speed GMLAN Serial Data (YE9 or Y91 with AN3 or DL3)
	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (AU3 without YE9)
A3	0.35 GY/BK	745	Left Front Door Ajar Switch Signal (except AN3 or DL3)
A4	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (A31 without AN3)
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (DL8, DPN or YE9 without AN3)
	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (AU3 without YE9)
A5	0.35 PK	1691	Low Reference (DL3 with DD8 or DRC)
A6	-	-	Not Used
A7	1 GY	295	Door Lock Actuator Lock Control (AU3 without YE9, AN3 or DL3)
	0.5 RD/WH	3540	Battery Positive Voltage (DL8 or DPN without AN3)
B1	2 BK	1850	Ground
	0.35 BK	1850	Ground (AU3 without A31)
B2	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage (DL3 or DPN)
B3	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3 without AN3)
B4	0.8 RD/WH	140	Battery Positive Voltage (AN3)
	1 TN	694	Driver Door Lock Actuator Unlock Control (AU3 without YE9, AN3 or DL3)
B5	0.8 GY	118	Left Front Speaker Output (-) (UQA)
	0.5 GY	118	Left Front Speaker Output (-) (UQ3 or UQ5)
B6	0.8 TN	201	Left Front Speaker Output (+) (UQA)
	0.5 TN	201	Left Front Speaker Output (+) (UQ3 or UQ5)
B7	0.35 GY	1690	Automatic Day/Night Mirror Signal (DL3 with DD8 or DRC)




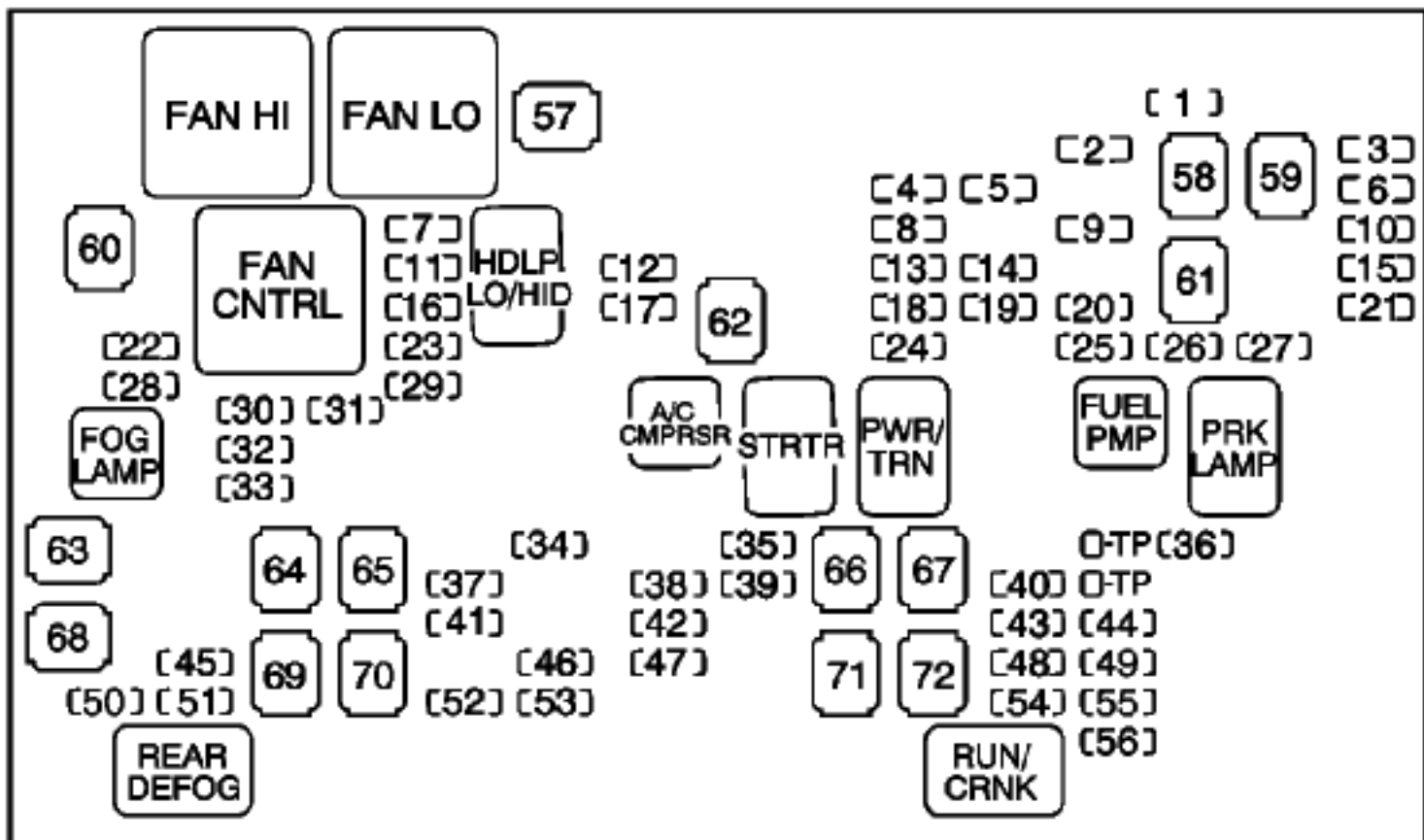
**Connector Part Information**

- Harness: Instrument Panel
- OEM: 13552254
- Service: 19178190
- Description: 40-Way F GT 150 280 Metri-Pack 800 (BK)

**Fuse Block - I/P X1**

Pin	Wire	Circuit	Function
A1	0.8 TN	201	Left Front Speaker Output (+)
A2	0.8 GY	118	Left Front Speaker Output (-)
A3-A4	-	-	Not Used
A5	0.35 GY	1690	Automatic Day/Night Mirror Signal (HP2 or DL3 with DD8 or DRC)
A6	0.35 PK	1691	Low Reference (HP2 or DL3 with DD8 or DRC)
B1	-	-	Not Used
B2	0.5 RD/WH	2540	Battery Positive Voltage
B3	-	-	Not Used
C1	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (HP2 or AU3 without AN3)
C2	0.35 D-GN	5060	Low Speed GMLAN Serial Data (HP2, YE9 or, Y91 with AN3 or DL3)
C3	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage (DL3, DPN or HP2)
C4	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage (DL3, DPN or HP2)
C5-C6	-	-	Not Used
D1	0.8 RD/WH	3040	Battery Positive Voltage
	0.5 RD/WH	3040	Battery Positive Voltage (5X7, 5Y0 or TRW without YE9)
D2	0.8 RD/WH	2940	Battery Positive Voltage
E1	3 BK	1850	Ground
E2	0.8 RD/WH	240	Battery Positive Voltage (YE9, Y91 or HP2)
	0.5 RD/WH	240	Battery Positive Voltage (YE9, Y91 or HP2)
E3	5 RD/BK	842	Battery Positive Voltage (except MEX)
	5 RD/BK	42	Battery Positive Voltage (MEX)
F1	5 RD/BK	42	Battery Positive Voltage (except MEX)
	5 RD/BK	842	Battery Positive Voltage (MEX)
F2	0.8 TN	294	Door Lock Actuator Unlock Control (HP2 or AU3 without AN3 or DL3)
F3	0.5 RD/WH	3840	Battery Positive Voltage
G1	0.8 GY	295	Door Lock Actuator Lock Control (HP2 or AU3 without AN3 or DL3)
G2	0.8 RD/WH	1040	Battery Positive Voltage
	0.8 RD/WH	1040	Battery Positive Voltage (except MEX)
H1-H4	-	-	Not Used
H5	0.5 RD/WH	1540	Battery Positive Voltage (U42 or HP2)
H6	0.5 RD/WH	1540	Battery Positive Voltage (UE1 with Y91)
	0.5 RD/WH	3240	Battery Positive Voltage (except Y91)
J1	0.8 RD/WH	2740	Battery Positive Voltage
J2	0.8 RD/WH	2240	Battery Positive Voltage
J3	0.5 RD/WH	2140	Battery Positive Voltage
K1	0.35 BN	6136	Supply Voltage (except MEX)
K2	0.35 YE	6817	LED Backlight Dimming Control (except MEX)
K3-K6	-	-	Not Used

 **GAS ESSENCE**



**MINI FUSES  
MINI-FUSIBLES**

- |                          |                       |
|--------------------------|-----------------------|
| 1 - TRLR STOP RT (10A)   | 20 - FUEL PUMP (25A)  |
| 2 - ESC/ALC EXH (30A)    | 21 - FSCM (25A)       |
| 3 - TRLR STOP LT (10A)   | 22 - HDLP WASH (20A)  |
| 4 - ENG (15A)            | 23 - REAR WASH (15A)  |
| 5 - ECM/THROT CONT (15A) | 24 - INJ-A (20A)      |
| 6 - ITBC (15A)           | 25 - TRLR PRK (15A)   |
| 7 - FRT WASH (15A)       | 26 - LT PRK (15A)     |
| 8 - 02-B SNSR (10A)      | 27 - RT PRK (15A)     |
| 9 - ABS 2 (25A)          | 28 - FOG LAMP (15A)   |
| 10 - TRLR BCK/UP (10A)   | 29 - HORN (15A)       |
| 11 - LO HDLP-LT (20A)    | 30 - HI HDLP-RT (10A) |
| 12 - ECM-BATT (10A)      | 31 - DRL (15A)        |
| 13 - INJ-B (20A)         | 32 - HI HDLP-LT (10A) |
| 14 - TCM-BATT (15A)      | 33 - DRL 2 (15A)      |
| 15 - VEH BCK/UP (10A)    | 34 - S/ROOF (30A)     |
| 16 - LO HDLP-RT (20A)    | 35 - DLIS (2A)        |
| 17 - A/C CMPSR (10A)     | 36 - FRT WPR (25A)    |
| 18 - 02-A SNSR (10A)     | 37 - SEO B2 (30A)     |
| 19 - TRANS IGN 1 (15A)   | 38 - EAP (15A)        |
|                          | 39 - HVAC BATT (10A)  |

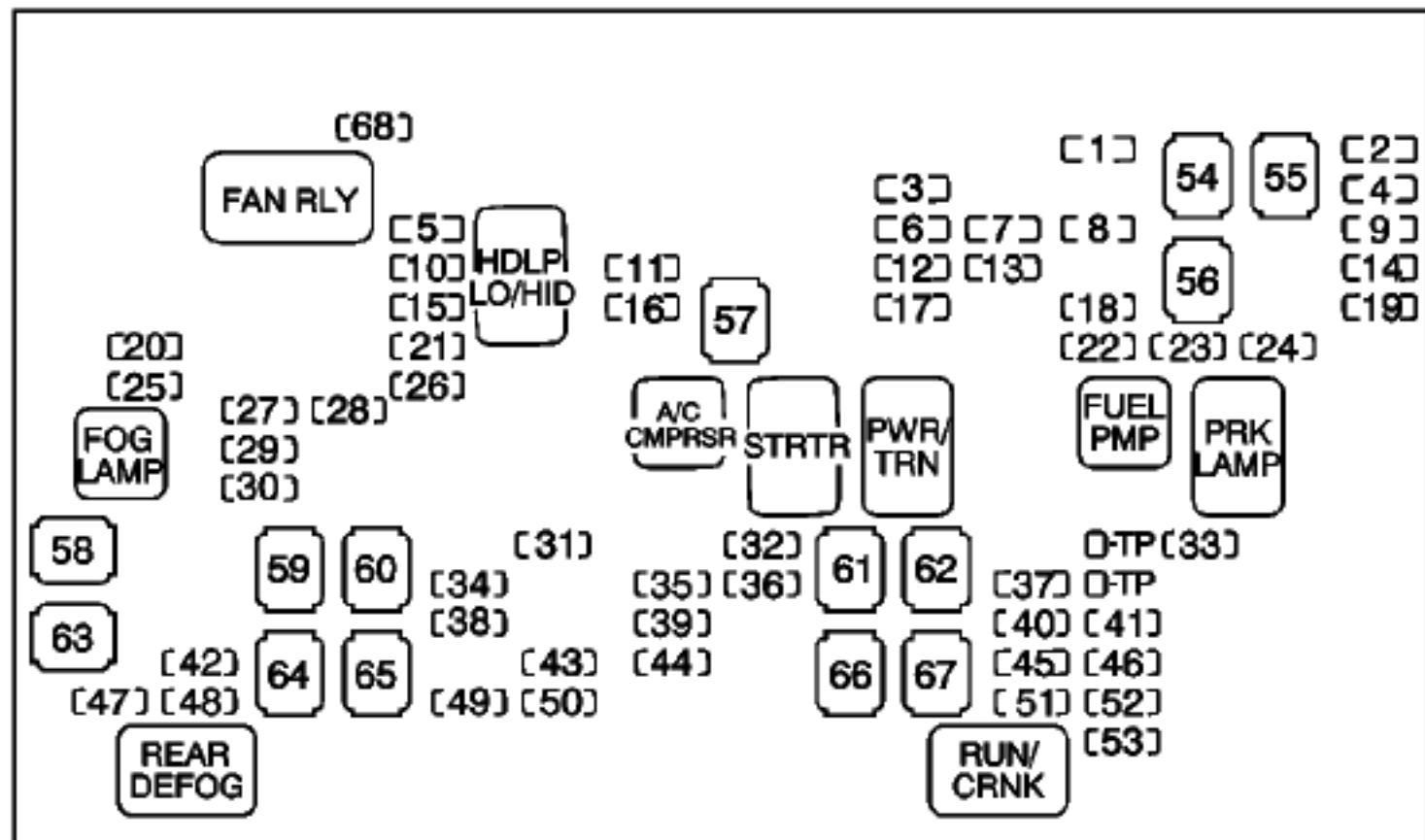
**J-CASE FUSES  
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|-------------------------|---------------------------|
| 40 - AIRBAG IGN (10A)   | 57 - FAN-1 (40A)          |
| 41 - AMP (30A)          | 58 - ALC/COMP (40A)       |
| 42 - RDO (15A)          | 59 - HEAVY DUTY ABS (60A) |
| 43 - MISC IGN (10A)     | 60 - FAN-2 (40A)          |
| 44 - L/GATE RELSE (15A) | 61 - ABS-1 (40A)          |
| 45 - AIRBAG BATT (15A)  | 62 - STRTR (40A)          |
| 46 - IPC (10A)          | 63 - STUD-2 (30A)         |
| 47 - EXP/PTO (15A)      | 64 - LBEC1 (60A)          |
| 48 - AUX HVAC-IGN (10A) | 65 - ELEC RUN BOARD (30A) |
| 49 - CHMSL (15A)        | 66 - WSW/HTR (60A)        |
| 50 - REAR DEFOG (30A)   | 67 - TREC (30A)           |
| 51 - HTD MIR (15A)      | 68 - STUD-1 (40A)         |
| 52 - SEO B1 (15A)       | 69 - MBEC1 (60A)          |
| 53 - LTR (20A)          | 70 - HVAC BLWR (40A)      |
| 54 - SEO/ALC (10A)      |                           |
| 55 - HVAC-IGN (10A)     |                           |
| 56 - ECM-IGN (15A)      |                           |

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**MINI FUSES  
MINI-FUSIBLES**

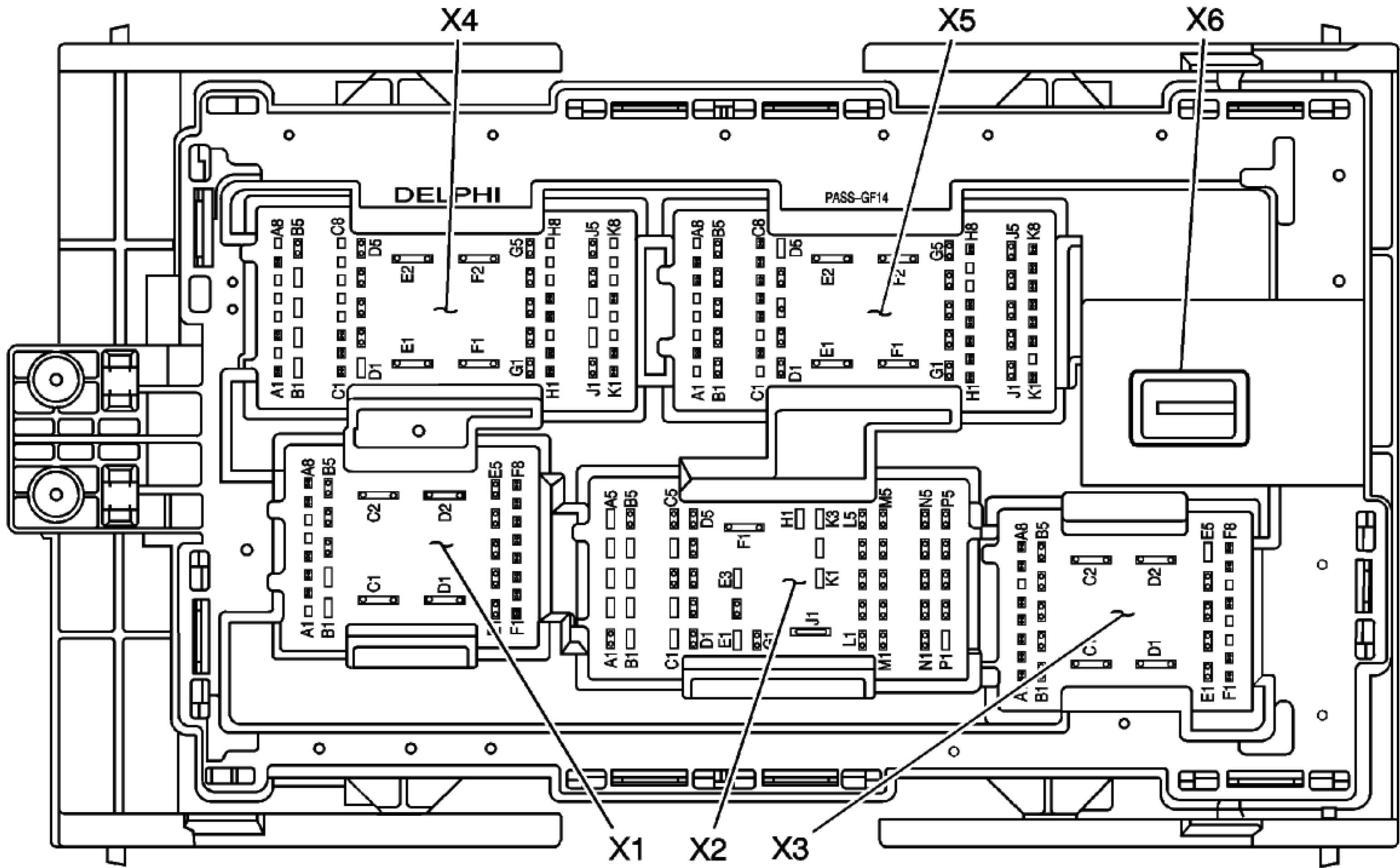
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|---------------------------|-----------------------|
| 1 - ESC/ALC EXH (30A)     | 19 - ITBC (15A)       |
| 2 - TRLR STOP LT (10A)    | 20 - HDLP WASH (20A)  |
| 3 - ENG (15A)             | 21 - REAR WASH (15A)  |
| 4 - TRLR STOP RT (10A)    | 22 - TRLR PRK (15A)   |
| 5 - FRT WASH (15A)        | 23 - LT PRK (15A)     |
| 6 - FUEL HTR (15A)        | 24 - RT PRK (15A)     |
| 7 - TCM-BATT (15A)        | 25 - FOG LAMP (15A)   |
| 8 - ABS 2 (25A)           | 26 - HORN (15A)       |
| 9 - TRLR BCK/UP (10A)     | 27 - HI HDLP-RT (10A) |
| 10 - LO HDLP-LT (20A)     | 28 - DRL (15A)        |
| 11 - ECM-BATT (10A)       | 29 - HI HDLP-LT (10A) |
| 12 - DSL ECM (30A)        | 30 - DRL 2 (15A)      |
| 13 - TRNS IGN 1 (15A)     | 31 - S/ROOF (30A)     |
| 14 - VEH BCK/UP (10A)     | 32 - DLIS (2A)        |
| 15 - LO HDLP-RT (20A)     | 33 - WPR (25A)        |
| 16 - A/C CMPSR (10A)      | 34 - SEO B2 (30A)     |
| 17 - EMC/THROT CONT (15A) | 35 - EAP (15A)        |
| 18 - FUEL PUMP (25A)      | 36 - HVAC BATT (10A)  |
|                           | 37 - AIRBAG IGN (10A) |

**J-CASE FUSES  
FUSIBLES JCASE**

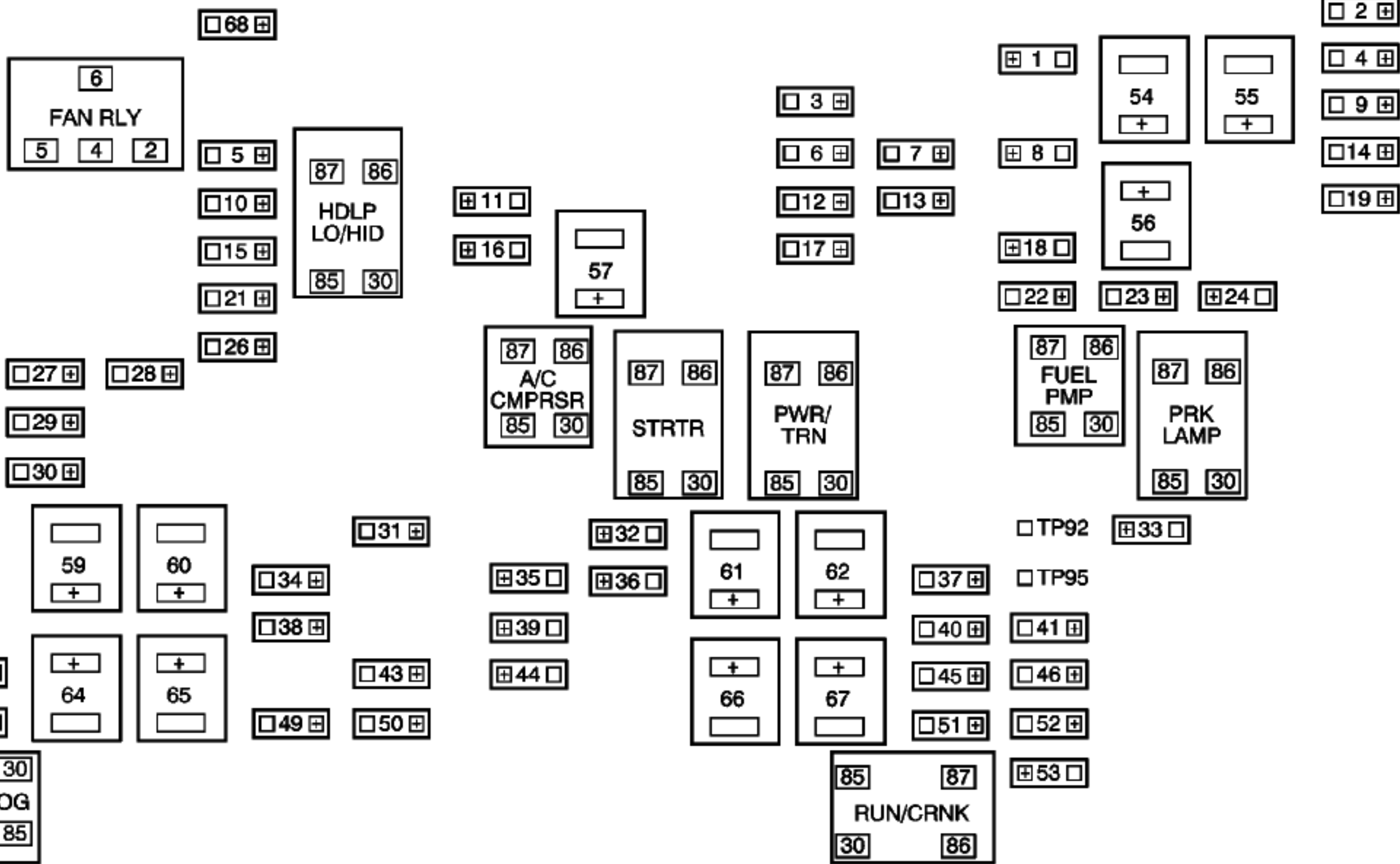
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|-------------------------|---------------------------|
| 38 - AMP (30A)          | 54 - ALC/COMP (40A)       |
| 39 - RDO (15A)          | 55 - HEAVY DUTY ABS (60A) |
| 40 - MISC IGN (10A)     | 56 - ABS-1 (40A)          |
| 41 - L/GATE RELSE (15A) | 57 - STRTR (40A)          |
| 42 - AIRBAG BATT (15A)  | 58 - STUD-2 (30A)         |
| 43 - IPC (10A)          | 59 - LBEC1 (60A)          |
| 44 - EXP/PTO (15A)      | 60 - ELEC RUN BOARD (30A) |
| 45 - AUX HVAC-IGN (10A) | 61 - WSW/HTR (60A)        |
| 46 - CHMSL (15A)        | 62 - TREC (30A)           |
| 47 - REAR DEFOG (30A)   | 63 - STUD-1 (40A)         |
| 48 - HTD MIR (15A)      | 64 - MBEC1 (60A)          |
| 49 - SEO B1 (15A)       | 65 - HVAC BLWR (40A)      |
| 50 - LTR (20A)          | 66 - LGM (30A)            |
| 51 - SEO/ALC (10A)      | 67 - LBEC2 (60A)          |
| 52 - HVAC-IGN (10A)     |                           |
| 53 - ECM-IGN (15A)      |                           |
| 68 - FAN (10A)          |                           |

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**Fuse Block - Underhood Label Usage - Diesel**

<b>No.</b>	<b>Device</b>	<b>Rating</b>	<b>Description</b>
1	ESC/ALC EXH Fuse	30A	Not Used
2	TRLR STOP LT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (EXP)
3	ENG Fuse	15A	Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
4	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (EXP)
5	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
6	FUEL HTR Fuse	15A	Glow Plug Control Module (GPCM), Fuel Heater
7	TCM-BATT Fuse	15A	Transmission Control Module (TCM)
8	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
9	TRLR BCK/UP Fuse	10A	Trailer Wiring, Backup Alarm (8S3)
10	LO HDLP-LT Fuse	20A	Headlamp - Left Low Beam
11	ECM-BATT Fuse	10A	Engine Control Module (ECM)
12	DSL ECM Fuse	30A	Engine Control Module (ECM)
13	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), Front Drive Axle Actuator (NQF or NQG)
14	VEH BCK/UP Fuse	10A	Backup Lamp - Left, Backup Lamp - Right
15	LO HDLP-RT Fuse	20A	Headlamp - Right Low Beam
16	A/C CMPRSR Fuse	10A	A/C Compressor Clutch
17	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM)
18	FUEL PUMP Fuse	25A	Fuel Pump and Sender Assembly - Front, Fuel Pump
19	ITBC Fuse	15A	Integrated Trailer Brake Control Module (JL1)
20	HDLP WASH Fuse	20A	Not Used
21	REAR WASH Fuse	15A	Not Used
22	TRLR PRK Fuse	15A	Trailer Wiring
23	LT PRK Fuse	15A	License Lamp - Left, Marker Lamp - LF (Z88), Park/Turn Signal Lamp - LF Upper, Park/Turn Signal Lamp - LF Lower, Marker Lamp - LR (Z88), Tail/Stop and Turn Signal Lamp - Lower Left, Tail/Stop and Turn Signal Lamp - Upper Left, Clearance Lamp - LF (R05), Clearance Lamp - LR (R05), Clearance Lamp (U01), Roof Marker Lamp - Left (U01), Roof Marker Lamp - Right (U01)
24	RT PRK Fuse	15A	Marker Lamp - RF (Z88), Park/Turn Signal Lamp - RF Upper, Park/Turn Signal Lamp - RF Lower, Tail/Stop and Turn Signal Lamp - Lower Right, Tail/Stop and Turn Signal Lamp - Lower Right, Marker Lamp - RR (Z88), License Lamp - Right, Clearance Lamp - RF (R05), Clearance Lamp - RR (R05), Marker Lamp - Tailgate
25	FOG LAMP Fuse	15A	Fog Lamp - Left Front (T96), Fog Lamp - Right Front (T96)
26	HORN Fuse	15A	Horn - Left, Horn - Right (7Z1 or YE9)
27	HI HDLP-RT Fuse	10A	Headlamp - Right High Beam
28	DRL Fuse	15A	DRL 2 Fuse
29	HI HDLP-LT Fuse	10A	Headlamp - Left High Beam
30	DRL 2 Fuse	15A	LO HDLP - LT Fuse, LO HDLP - RT Fuse
31	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
32	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)
33	WPR Fuse	25A	WIPER CONTROL PCB Relay
34	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)

No.	Device	Rating	Description
35	EAP Fuse	15A	PARK ENABLE PCB Relay, ELECTRONIC ADJUSTABLE PEDALS PCB Relay
36	HVAC BATT Fuse	10A	HVAC Control Module
37	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint I/P Module Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
38	AMP Fuse	30A	Audio Amplifier (UQA)
39	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Control (UK6), Chime Module (UL5)
40	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (EXP), Stop Lamp Switch, Transfer Case Shift Control Module (NQF or NQH), Trailer Brake Control Module (JL1)
41	L/GATE RELSE Fuse	15A	Not Used
42	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
43	IPC Fuse	10A	Body Control Module (BCM), Instrument Panel Cluster (IPC)
44	EXP/PTO Fuse	15A	Auxiliary Body Control Module (XBCM) (EXP) Power Take Off Relay (PTO)
45	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module Control (KA9)
46	CHMSL Fuse	15A	Center High Mounted Stop Lamp (CHMSL)
47	REAR DEFOG Fuse	30A	Rear Window Defogger Grid
48	HTD MIR Fuse	15A	Outside Rearview Mirror - Driver (DL8 or DPN without AN3 or DL3), Outside Rearview Mirror - Passenger (DL8 or DPN without AN3 or DL3)
49	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (EXP), Power Take Off - (PTO) Module, Run Relay (TP2), Security Indicator Lamp, Vehicle Inclination Sensor, Vehicle Shock Sensor
50	LTR Fuse	20A	Accessory Power Outlet - I/P 1, Data Link Connector (DLC)
51	SEO/ALC Fuse	10A	Not Used
52	HVAC-IGN Fuse	10A	Air Temperature Actuator - Left (CJ2), Air Temperature Actuator - Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2 or C67)
53	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay - Secondary (LY6 without NQZ), Fuel System Control Module (FSCM)
54	ALC/COMP Fuse	40A	Not Used
55	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
56	ABS - 1 Fuse	40A	Electronic Brake Control Module (EBCM)
57	STRTR Fuse	40A	Starter
58	STUD-2 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Control Relay (JL1)
59	LBEC1 Fuse	60A	BCM Fuse, COOLED SEATS Fuse, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse CTSY Fuse, PWR MIR Fuse
60	ELEC RUN BOARD Fuse	30A	Not Used
61	WSW/HTR Fuse	60A	Not Used
62	TREC Fuse	30A	Transfer Case Shift Control Module (NQF or NQH), Transfer Case Encoder Motor (NQH)
63	STUD-1 Fuse	40A	Trailer Wiring
64	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASS SEAT 1 Circuit Breaker, PWR REAR WNDW Circuit Breaker, RT DOORS Circuit Breaker
65	HVAC BLWR Fuse	40A	Blower Motor Control Module
66	LGM Fuse	30A	Not Used

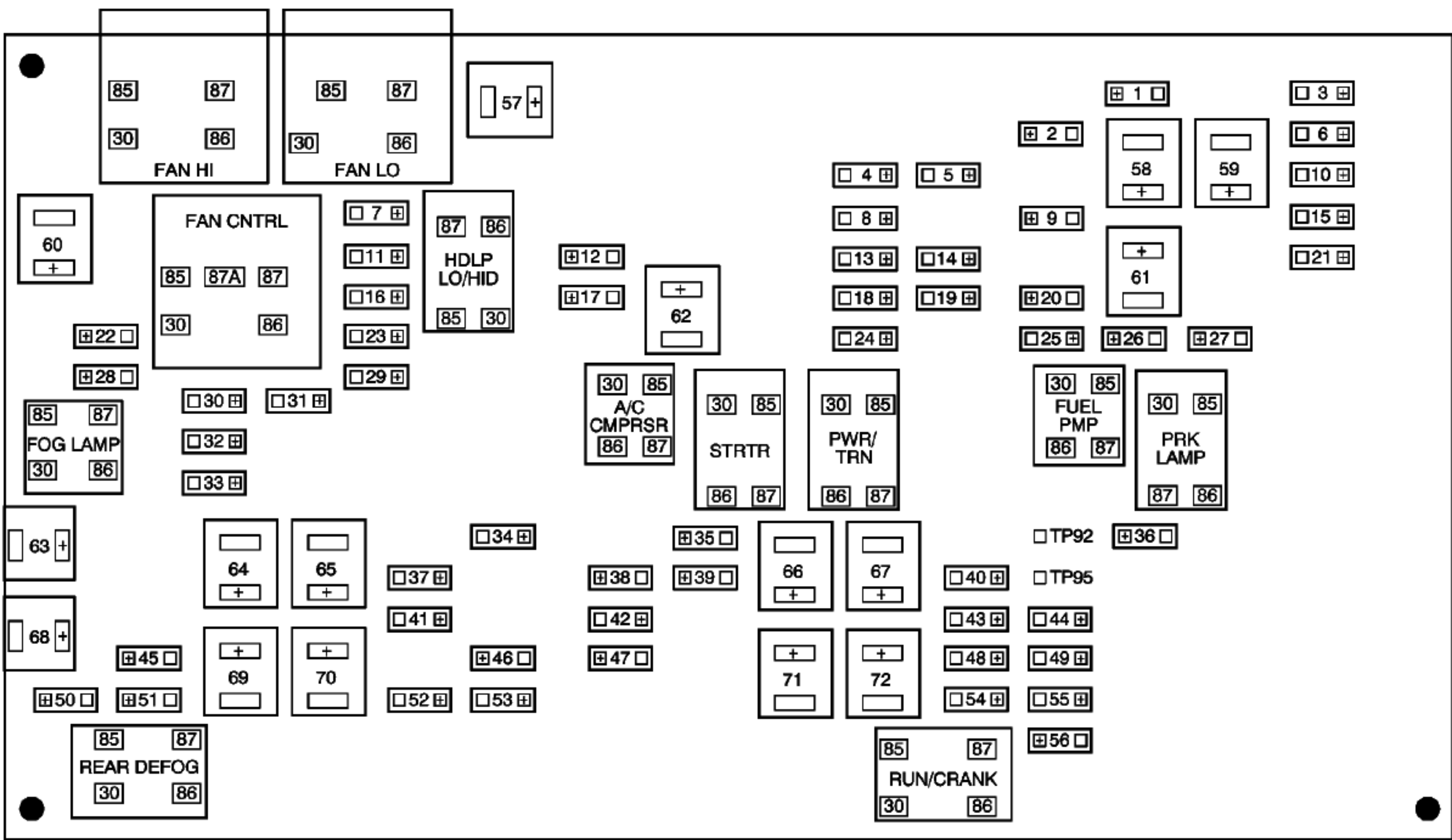
No.	Device	Rating	Description
67	LBEC2 Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse, REAR SEAT Fuse, STOP LAMPS Fuse, IS LPS Fuse, LT STOP TRN Fuse ABS DET Fuse, LT DR Circuit Breaker, REAR SEAT ENT Fuse, INFO Fuse, LOCK/UNLOCK PCB Relay
-	A/C CMPRSR Relay	-	A/C CMPRSR Fuse
-	FOG LAMP Relay	-	FOG LAMP Fuse
-	FUEL PMP Relay	-	FUEL PUMP Fuse
-	HDLP LO/HID Relay	-	LO HDLP - LT Fuse, LO HDLP - RT Fuse, DRL 2 Fuse
-	PRK LAMP Relay	-	LT PRK Fuse, RT PRK Fuse, TRLR PRK Fuse
-	PWR/TRN Relay	-	DSL ECM Fuse, ECM/THROT Fuse, ENG Fuse, FUEL HTR Fuse
-	REAR DEFOG Relay	-	REAR DEFOG Fuse, HTD MIR Fuse
-	RUN/CRNK Relay	-	AIRBAG IGN Fuse, AUX HVAC-IGN Fuse, HVAC-IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
-	STRTR Relay	-	STRTR Fuse

**Note:** Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.

-	BCK/UP LAMP PCB Relay	-	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
-	CHMSL	-	CHMSL Fuse
-	DRL PCB Relay	-	DRL Fuse
-	FRT WASH PCB Relay	-	FRT WASH Fuse
-	HI BEAM PCB Relay	-	HI HEADLAMP - LT Fuse, HI HEADLAMP - RT Fuse
-	HORN PCB Relay	-	HORN Fuse
-	L/GATE PCB Relay	-	L/GATE RELSE Fuse
-	LOCK PCB Relay	-	LCK 2 Fuse (YE9)
-	LOCK/UNLOCK PCB Relay	-	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3 without YE9)
-	REAR WASH PCB Relay	-	REAR WASH Fuse
-	TRLR LT STOP/TRUN PCB Relay	-	TRLR STOP LT Fuse
-	TRLR RT STOP/TURN PCB Relay	-	TRLR STOP RT Fuse
-	UNLOCK PCB Relay	-	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
-	WIPER CONTROL PCB Relay	-	Windshield Wiper Motor
-	WIPER SPEED PCB Relay	-	Windshield Wiper Motor

**Note:** Items listed below are Wiper System diagnostic testing points

-	TP92	-	Wiper High Speed Test Point
-	TP95	-	Wiper Low Speed Test Point





**Fuse Block - Underhood Label Usage - Gas**

<b>No.</b>	<b>Device</b>	<b>Rating</b>	<b>Description</b>
1	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxilliary Body Control Module (XBCM) (EXP)
2	ESC/ALC EXH Fuse	30A	Not Used
3	TRLR STOP LT Fuse	10A	Trailer Wiring, Auxilliary Body Control Module (XBCM) (EXP)
4	ENG Fuse	15A	Central Sequential Fuel Injection (Central SFI) (LU3), Evaporative Emissions (EVAP) Canister Purge Solenoid Valve (except LU3), Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (except LU3), Valve Lifter Oil Manifold (VLOM) Assembly (LMG, LC9, LZ1 or L96), FAN LO Relay (HP2)
5	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM), Evaporative Emission (EVAP) Canister Purse Solenoid Valve (LU3) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (LU3)
6	ITBC Fuse	15A	Integrated Trailer Brake Control Module (JL1)
7	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
8	O2-B SNSR Fuse	10A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2
9	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
10	TRLR BCK/UP Fuse	10A	Trailer Wiring, Backup Alarm (8S3)
11	LO HDLP-LT Fuse	20A	Headlamp - Left Low Beam
12	ECM-BATT Fuse	10A	Engine Control Module (ECM)
13	INJ-B Fuse	20A	Fuel Injector 2, Fuel Injector 4, Fuel Injector 6, Fuel Injector 8, Ignition Coil 2, Ignition Coil 4, Ignition Coil 6, Ignition Coil 8 (except LU3)
14	TCM-BATT Fuse	15A	Transmission Control Module (TCM) (M30), Evaporative Emission (EVAP) Canister Vent Solenoid Valve, Automatic Transmission (MYC, MYD or M99)
15	VEH BCK/UP Fuse	10A	Backup Lamp - Left, Backup Lamp - Right
16	LO HDLP-RT Fuse	20A	Headlamp - Right Low Beam
17	A/C CMPRSR Fuse	10A	A/C Compressor Clutch
18	O2-A SNSR Fuse	10A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1
19	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM) (M30), 1-2 Shift Solenoid (SS) Valve, 2-3 Shift Solenoid (SS) Valve, 3-2 Shift Solenoid (SS) Valve (M30), Torque Converter Clutch (TCC) Solenoid Valve (M30), Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve, Input Speed Sensor (ISS), Front Drive Axle Actuator, Automatic Transmission (MYC, MYD or M99), Drive Motor Generator Power inverter module (HP2)
20	FUEL PUMP Fuse	25A	Fuel Pump and Sender Assembly - Front, Fuel Pump
21	FSCM Fuse	25A	Fuel System Control Module (FSCM) (Gas except LU3 or LY6)
22	HDLP WASH Fuse	20A	Not Used
23	REAR WASH Fuse	15A	Not Used
24	INJ-A Fuse	20A	Fuel Injector 1 (except LU3), Fuel Injector 3 (except LU3), Fuel Injector 5 (except LU3), Fuel Injector 7 (except LU3), Ignition Coil 1 (except LU3), Ignition Coil 3 (except LU3), Ignition Coil 5 (except LU3), Ignition Coil 7 (except LU3), Ignition Control Module (ICM) (LU3)
25	TRLR PRK Fuse	15A	Trailer Wiring
26	LT PRK Fuse	15A	License Lamp - Left, Marker Lamp - LF (Z88), Park/Turn Signal Lamp - LF Upper, Park/Turn Signal Lamp - LF Lower, Marker Lamp - LR (Z88), Tail/Stop and Turn Signal Lamp - Lower Left, Tail/Stop and Turn Signal Lamp - Upper Left, Clearance Lamp - LF (R05), Clearance Lamp - LR (R05), Clearance Lamp (U01), Roof Marker Lamp - Left (U01), Roof Marker Lamp - Right (U01)
27	RT PRK Fuse	15A	Marker Lamp - RF (Z88), Park/Turn Signal Lamp - RF Upper, Park/Turn Signal Lamp - RF Lower, Tail/Stop and Turn Signal Lamp - Lower Right, Tail/Stop and Turn Signal Lamp - Lower Right, Marker Lamp - RR (Z88), License Lamp - Right, Clearance Lamp - RF (R05), Clearance Lamp - RR (R05), Marker Lamp - Tailgate

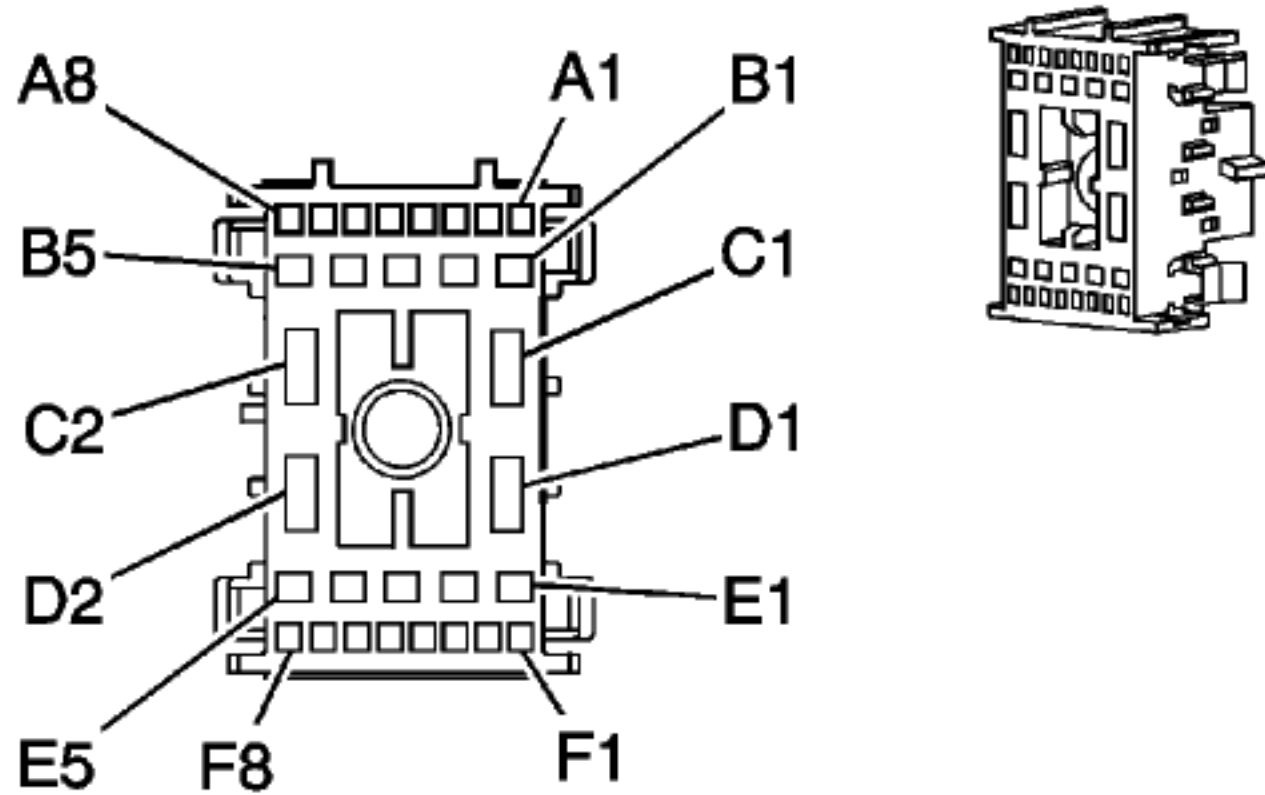
No.	Device	Rating	Description
28	FOG LAMP Fuse	15A	Fog Lamp - Left Front (T96), Fog Lamp - Right Front (T96)
29	HORN Fuse	15A	Horn - Left, Horn - Right (7Z1 or YE9)
30	HI HEADLAMP-RT Fuse	10A	Headlamp - Right High Beam
31	DRL Fuse	15A	DRL 2 Fuse
32	HI HEADLAMP-LT Fuse	10A	Headlamp - Left High Beam
33	DRL 2 Fuse	15A	LO HDLP - LT Fuse, LO HDLP - RT Fuse
34	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
35	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)
36	FRT WPR Fuse	25A	WIPER CONTROL PCB Relay
37	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)
38	EAP Fuse	15A	PARK ENABLE PCB Relay, ELECTRONIC ADJUSTABLE PEDALS PCB Relay
39	HVAC BATT Fuse	10A	HVAC Control Module
40	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint I/P Module Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
41	AMP Fuse	30A	Audio Amplifier (UQA)
42	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Control (UK6), Chime Module (UL5)
43	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (EXP), Stop Lamp Switch, Transfer Case Shift Control Module (NQF or NQH), Trailer Brake Control Module (JL1), Serial Data Gateway (SDG) Module (HP2)
44	L/GATE RELSE Fuse	15A	Not Used
45	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
46	IPC Fuse	10A	Body Control Module (BCM), Instrument Panel Cluster (IPC)
47	EXP/PTO Fuse	15A	Auxiliary Body Control Module (XBCM) (EXP)/Power Take Off Relay (PTO)
48	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module Control (KA9)
49	CHMSL Fuse	15A	Center High Mounted Stop Lamp (CHMSL)
50	REAR DEFOG Fuse	30A	Rear Window Defogger Grid
51	HTD MIR Fuse	15A	Outside Rearview Mirror - Driver (DL8 or DPN without AN3 or DL3), Outside Rearview Mirror - Passenger (DL8 or DPN without AN3 or DL3)
52	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (EXP), Security Indicator Lamp, Vehicle Inclination Sensor, Vehicle Shock Sensor
53	LTR Fuse	20A	Accessory Power Outlet - I/P 1, Data Link Connector (DLC)
54	SEO/ALC Fuse	10A	Not Used
55	HVAC-IGN Fuse	10A	Air Temperature Actuator - Left (CJ2), Air Temperature Actuator - Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2 or C67)
56	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay - Secondary (LY6 without NQZ), Fuel Pump Flow Control Module (Gas except LU3 or LY6), Electronic Brake Control Module (EBCM) (HP2)
57	FAN-1 Fuse	40A	FAN LO Relay
58	ALC/COMP Fuse	40A	Not Used
59	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
60	FAN-2 Fuse	40A	FAN HI Relay

No.	Device	Rating	Description
61	ABS-1 Fuse	40A	Electronic Brake Control Module (EBCM)
62	STRTR Fuse	40A	Starter
63	STUD-2 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Control (JL1)
64	LBEC1 Fuse	60A	BCM Fuse, COOLED SEATS Fuse, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse, CTSY Fuse, PWR MIR Fuse
65	ELEC RUN BOARD Fuse	30A	Not Used
66	WSW/HTR Fuse	60A	Not Used
67	TREC Fuse	30A	Transfer Case Shift Control Module (NQF or NQH), Transfer Case Encoder Motor (NQH)
68	STUD-1 Fuse	40A	Trailer Wiring
69	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASS SEAT 1 Circuit Breaker, PWR REAR WNDW Circuit Breaker, RT DOORS Circuit Breaker
70	HVAC BLWR Fuse	40A	Blower Motor Control Module
71	LGM Fuse	30A	Not Used
72	LBEC2 Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse, REAR SEAT Fuse, STOP LAMPS Fuse, IS LPS Fuse, LT STOP TQN Fuse, OBS DET Fuse, LT DR Circuit Breaker, REAR SEAT ENT Fuse, INFO Fuse, LOCK/UNLCOK PCB Relay
-	A/C CMPRSR Relay	-	A/C CMPRSR Fuse
-	FAN CNTRL Relay	-	Cooling Fan Control
-	FAN HI Relay	-	Cooling Fan - Right
-	FAN LO Relay	-	Cooling Fan - Left
-	FOG LAMP Relay	-	FOG LAMP Fuse
-	FUEL PMP Relay	-	FUEL PUMP Fuse
-	HDLP LO/HID Relay	-	LO HDLP - LT Fuse, LO HDLP - RT Fuse, DRL 2 Fuse
-	PRK LAMP Relay	-	LT PRK Fuse, RT PRK Fuse, TRLR PRK Fuse
-	PWR/TRN Relay	-	ECM/THROT CONT Fuse, ENG Fuse, INJ-A Fuse, INJ-B Fuse, O2-A SNSR Fuse, O2-B SNSR Fuse, FAN CNRTL PCB Relay, FAN HI PCB Relay, FAN LO PCB Relay
-	REAR DEFOG Relay	-	REAR DEFOG Fuse, HTD MIR Fuse
-	RUN/CRNK Relay	-	AIRBAG IGN Fuse, AUX HVAC-IGN Fuse, HVAC-IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
-	STRTR Relay	-	STRTR Fuse
<b>Note:</b> Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.			
-	BCK/UP LAMP PCB Relay	-	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
-	CHMSL Relay	-	CHMSL Fuse
-	DRL PCB Relay	-	DRL Fuse
-	FRT WASH PCB Relay	-	FRT WASH Fuse
-	HI BEAM PCB Relay	-	HI HEADLAMP - LT Fuse, HI HEADLAMP - RT Fuse
-	HORN PCB Relay	-	HORN Fuse
-	L/GATE PCB Relay	-	L/GATE RELSE Fuse
-	LOCK PCB Relay	-	LCK 2 Fuse (YE9)

No.	Device	Rating	Description
-	LOCK/UNLOCK PCB Relay	-	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3 without YE9)
-	REAR WASH PCB Relay	-	REAR WASH Fuse
-	TRLR LT STOP/TURN PCB Relay	-	TRLR STOP LT Fuse
-	TRLR RT STOP/TURN PCB Relay	-	TRLR STOP RT Fuse
-	UNLOCK PCB Relay	-	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
-	WIPER CONTROL PCB Relay	-	Windshield Wiper Motor
-	WIPER SPEED PCB Relay	-	Windshield Wiper Motor

**Note:** Items listed below are Wiper System diagnostic testing points

-	TP92	-	Wiper High Speed Test Point
-	TP95	-	Wiper Low Speed Test Point



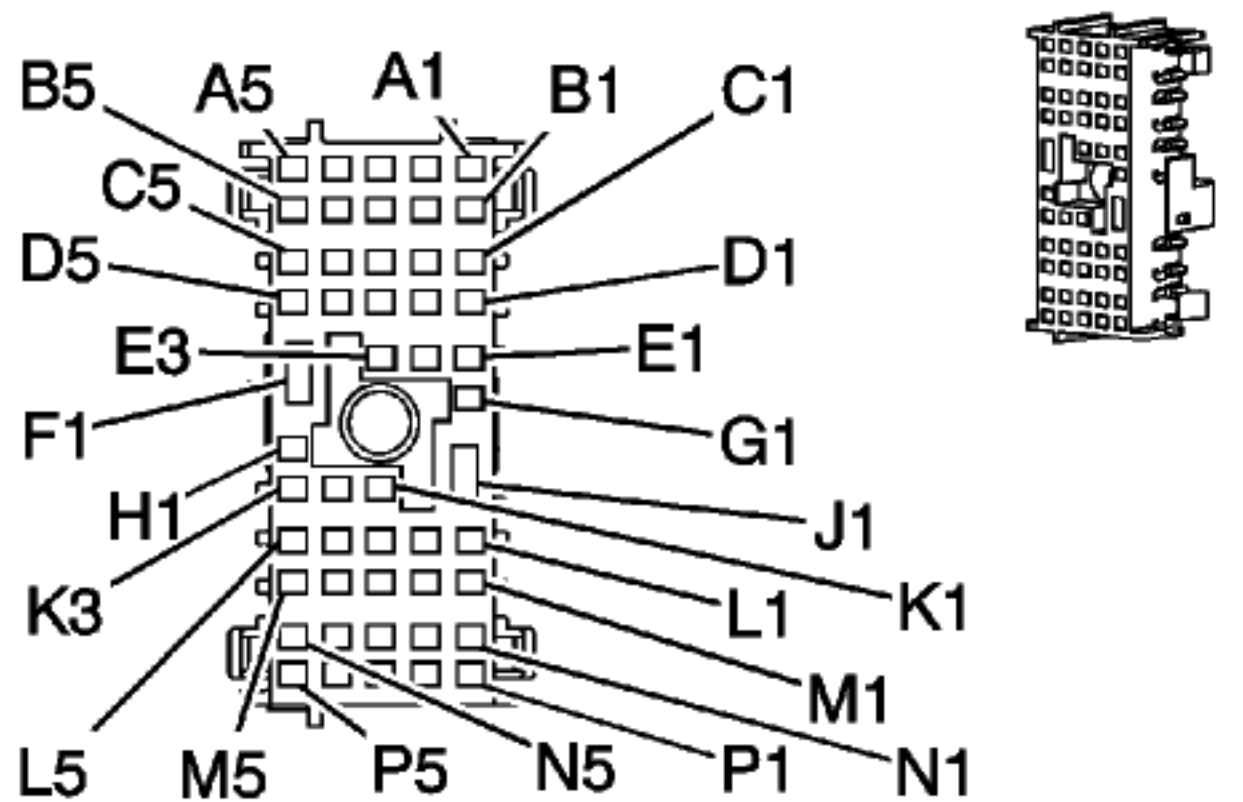
### Connector Part Information

- Harness: Forward Lamp
- OEM: 13513343
- Service: 19115674
- Description: 30-Way F GT 150 280 Metri-Pack Series (GY)

### Fuse Block - Underhood X1

Pin	Wire	Circuit	Function
A1	0.8 BK	250	Ground
A2	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage
A3	0.5 D-BU	545	DRL Supply Voltage (T61)
A4	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage
A5-A6	-	-	Not Used
A7	0.5 L-GN/BK	311	Right Headlamp High Beam Supply Voltage
A8	0.5 D-GN/WH	711	Left Headlamp High Beam Supply Voltage
B1-B2	-	-	Not Used
B3	0.5 D-BU	545	DRL Supply Voltage (T61)
B4	-	-	Not Used
B5	0.8 PU	2234	Front Fog Lamp Supply Voltage (T96)
	0.8 PU	2234	Front Fog Lamp Supply Voltage (T96)
C1	5 GY	532	Cooling Fan Motor Supply Voltage (Gas except LY6 or HP2)
C2	5 YE	5358	Cooling Fan Motor Supply Voltage (Gas except LY6 or HP2)
D1	5 L-BU	409	Cooling Fan Motor Supply Voltage (Gas except LY6 or HP2)
D2	5 BK	150	Ground (10 Series except HP2)
E1	0.5 OG	228	Windshield Washer Pump Control
E2	0.8 YE	712	Left Headlamp Low Beam Supply Voltage
E3	0.8 TN/WH	312	Right Headlamp Low Beam Supply Voltage
E4	-	-	Not Used
E5	0.5 D-GN	29	Horn Control
	0.5 D-GN	29	Horn Control
F1-F4	-	-	Not Used
F5	0.5 BN	2609	Right Front Park Lamps Supply Voltage
F6-F7	-	-	Not Used
F8	0.5 BN	2509	Left Front Park Lamps Supply Voltage



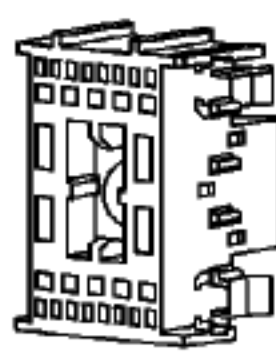
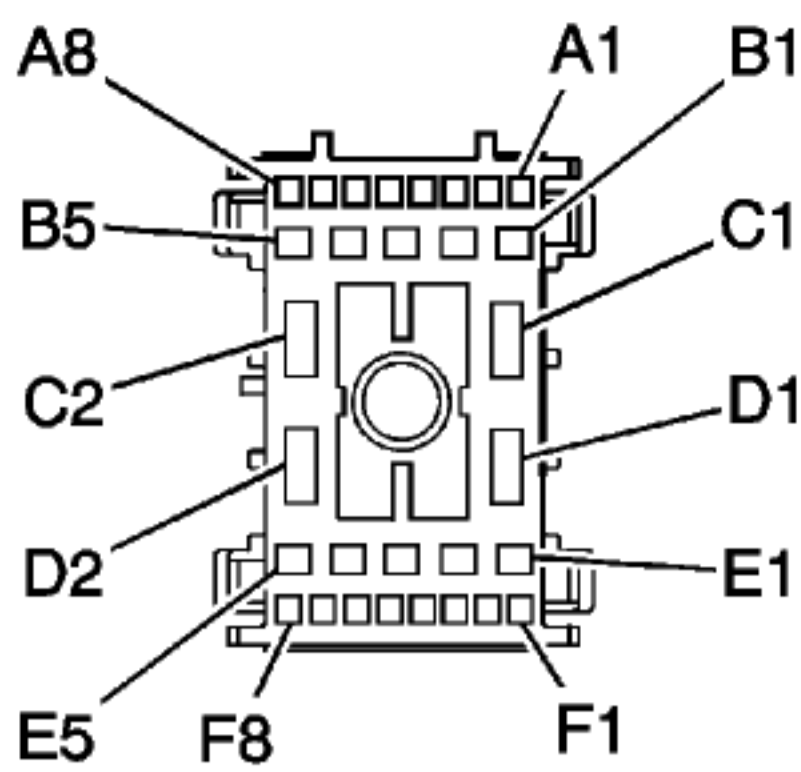


**Fuse Block - Underhood X2**

Pin	Wire	Circuit	Function
A1	0.35 D-GN	335	Low Speed Cooling Fan Relay Control (Gas except LY6 or HP2)
	0.5 WH/BK	2366	Cooling Fan Control Relay Speed Signal (Diesel)
A2-A4	-	-	Not Used
A5	0.5 RD/WH	4540	Battery Positive Voltage (TP2)
B1-B3	-	-	Not Used
B4	0.5 OG	300	Ignition 3 Voltage (TP2 or HP2)
B5	0.35 D-BU/WH	473	High Speed Cooling Fan Relay Control (Gas except LY6 or HP2)

Pin	Wire	Circuit	Function
C1-C2	-	-	Not Used
C3	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control (Except HP2)
C4	-	-	Not Used
C5	0.5 YE/BK	625	Starter Enable Relay Control (Except HP2)
D1-D2	-	-	Not Used
D3	0.5 RD/WH	440	Battery Positive Voltage
D4	0.8 D-GN	59	A/C Compressor Clutch Supply Voltage (C67 or CJ2 except HP2)
D5	-	-	Not Used
E1-E3	-	-	Not Used
F1	3 PU	6	Starter Solenoid Crank Voltage (Except HP2)
G1	-	-	Not Used
H1	-	-	Not Used
J1	-	-	Not Used
K1-K3	-	-	Not Used
L1	0.5 PK	1839	Ignition 1 Voltage (LMG, LC9, L96 or HP2)
	0.5 PK	1839	Ignition 1 Voltage (HP2)
L2	0.5 PK/BK	1539	Ignition 1 Voltage (Gas)
	0.5 PK/BK	1539	Ignition 1 Voltage (Gas)
L3	0.8 PK/WH	1239	Ignition 1 Voltage (Gas except LU3)
	0.8 PK/WH	1239	Ignition 1 Voltage (Gas except LU3)
	0.5 PK	2339	Ignition 1 Voltage (Diesel)
L4	0.5 PK	539	Ignition 1 Voltage (Gas)
	0.5 PK	539	Ignition 1 Voltage (Gas)
	2 PK/BK	1439	Ignition 1 Voltage (Diesel)
L5	1 PK	1039	Ignition 1 Voltage (Gas)
	0.5 PK	1339	Ignition 1 Voltage (Diesel)
M1	0.5 PK	1839	Ignition 1 Voltage (Gas)
	0.5 PK	1839	Ignition 1 Voltage (Gas except LU3)
M2	1 PK	1239	Ignition 1 Voltage (Gas except LU3)
	0.5 PK	1839	Ignition 1 Voltage (Diesel)
M3	0.8 PK	1239	Ignition 1 Voltage (Gas except LU3)
	0.8 PK	1239	Ignition 1 Voltage (Gas except LU3)
M4	0.8 PK/BK	1039	Ignition 1 Voltage (Gas except LU3)
	0.8 PK/BK	1039	Ignition 1 Voltage (Gas except LU3)
	2 PK	1439	Ignition 1 Voltage (Diesel)
M5	0.8 PK	1039	Ignition 1 Voltage (Gas except LU3)
	0.8 PK	1039	Ignition 1 Voltage (Gas except LU3)
	2 PK	1439	Ignition 1 Voltage (Diesel)
N1	0.5 PK	1339	Ignition 1 Voltage (Gas)
N2	-	-	Not Used
N3	0.5 RD/WH	1840	Battery Positive Voltage
	0.5 RD/WH	1840	Battery Positive Voltage (MW7)

Pin	Wire	Circuit	Function
N4	0.5 PK/WH	2139	Ignition 1 Voltage
	0.5 PK/WH	2139	Ignition 1 Voltage (except NQF, NQG or NQH, and NQG or NQH with MYD)
N5	2 BK	550	Ground
P1	0.5 PK/BK	1339	Ignition 1 Voltage (LU3 or HP2)
	0.5 PK	1339	Ignition 1 Voltage (LU3)
P2	0.35 YE	5991	Powertrain Relay Coil Control
P3	0.5 L-BU/WH	6311	Cruise/ETC/TCC Brake Signal
	0.5 L-BU/WH	6311	Cruise/ETC/TCC Brake Signal (Gas except HP2 or Diesel with PTO)
P4	0.35 D-GN/WH	465	Fuel Pump Relay Control (LU3, LY6 or Diesel with 31 Series and without NQZ)
P5	0.5 PK	439	Ignition 1 Voltage

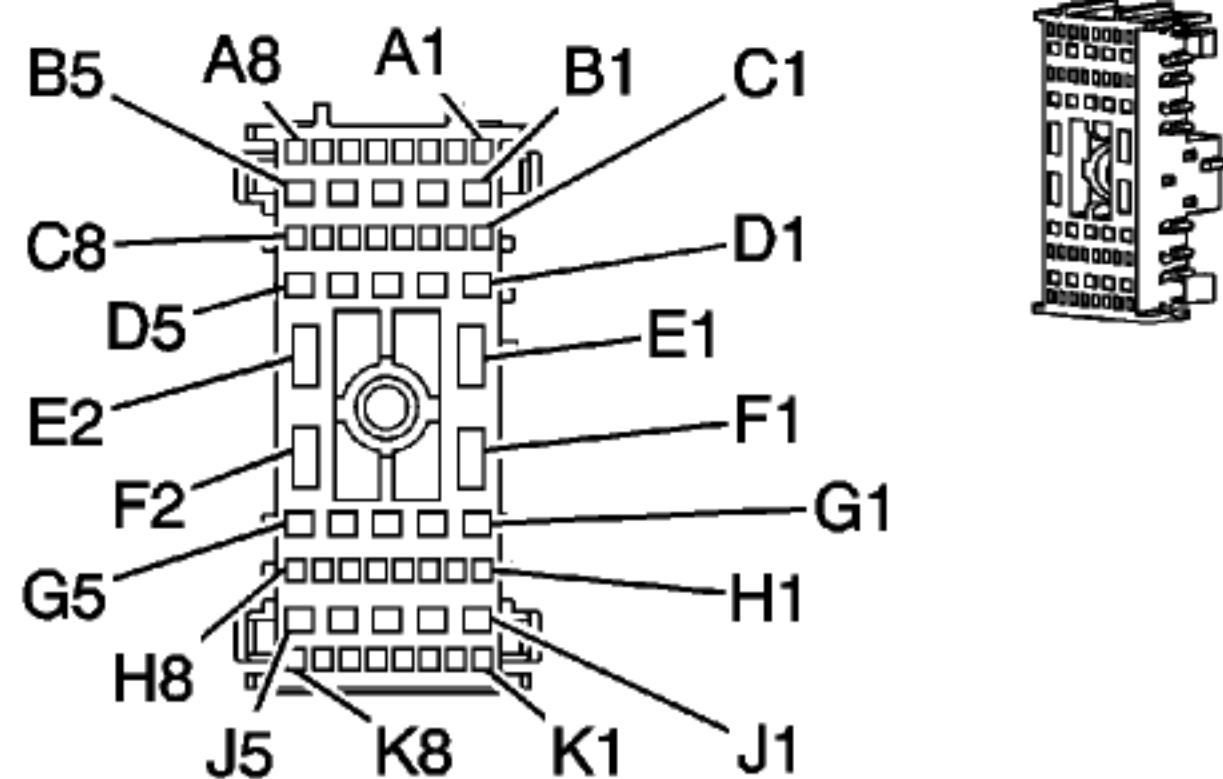


### Connector Part Information

- Harness: Chassis
- OEM: 13513342
- Service: 19115657
- Description: 30-Way F GT 150 280 Metri-Pack Series (BK)

### Fuse Block - Underhood X3

Pin	Wire	Circuit	Function
A1	0.8 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
A2	0.8 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
A3	0.5 D-BU	38	Backup Lamp Relay Control (UVC)
A4	-	-	Not Used
A5	0.5 RD/WH	1840	Battery Positive Voltage (Gas)
A6	-	-	Not Used
A7	0.8 BN	2509	Left Rear Park Lamps Supply Voltage
A8	-	-	Not Used
B1-B2	-	-	Not Used
B3	2 RD	1640	Battery Positive Voltage (JL4, JF3 or JF7 with 10 Series)
B4	1 BN	2109	Trailer Park Lamps Supply Voltage (except MEX or EXP)
	0.8 BN	2109	Trailer Park Lamps Supply Voltage (EXP)
B5	2 GY	120	Fuel Pump Supply Voltage (LU3, LMG, LC9, LY6 or Diesel with 31 Series and without NQZ)
C1	-	-	Not Used
C2	3 RD/BK	442	Battery Positive Voltage (except MEX)
D1	5 RD/BK	1742	Battery Positive Voltage
D2	-	-	Not Used
E1	2 RD/WH	4340	Battery Positive Voltage (JL1 or LY6)
	0.8 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage (Diesel)
E2	1 L-GN	1624	Trailer Backup Lamps Supply Voltage (except MEX or EXP)
E3	0.8 L-GN	24	Backup Lamp Supply Voltage
E4	3 RD/WH	1940	Battery Positive Voltage (LU3, LMG, LC9 or LY6)
	2 RD/WH	4340	Battery Positive Voltage (JL1 with Diesel)
E5	-	-	Not Used
F1	0.35 YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage (except MEX, EXP or HP2)
	0.8 YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage (EXP or HP2)
F2	0.8 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage (Gas with EXP or Gas without MEX or EXP)
F3-F4	-	-	Not Used
F5	0.5 PK	439	Ignition 1 Voltage (Gas except LY6 with NQZ)
F6	-	-	Not Used
F7	0.8 BN	2609	Right Rear Park Lamps Supply Voltage
F8	0.8 GY	5185	Right Trailer Park Lamp (EXP)

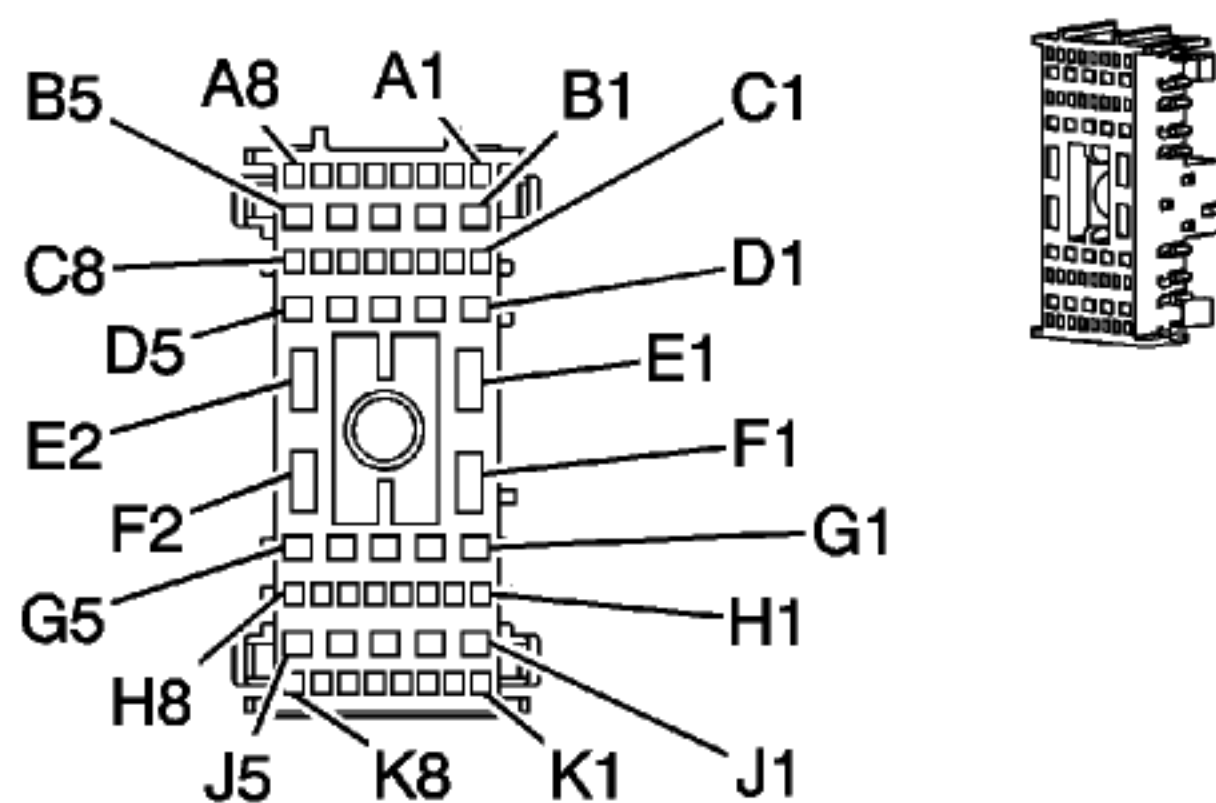


### Connector Part Information

- Harness: Instrument Panel
- OEM: 13513329
- Service: 19115656
- Description: 56-Way F GT 150 280 Metri-Pack Series (BK)

### Fuse Block - Underhood X4

Pin	Wire	Circuit	Function
A1	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage
A2	-	-	Not Used
A3	0.5 OG	2268	Windshield Washer Relay Control
A4-A6	-	-	Not Used
A7	0.35 WH	193	Rear Defog Relay Control (C49 or HP2)
A8	-	-	Not Used
B1-B4	-	-	Not Used
B5	3 PU	293	Rear Defog Element Supply Voltage (C49 or HP2)
C1	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (except DL3, DPN or HP2)
	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3, DPN or HP2)
C2	0.35 D-GN/WH	1317	Fog Lamp Relay Control (T96 or HP2)
C3	0.35 TN/WH	1969	Headlamp High Beam Relay Control
C4-C8	-	-	Not Used
D1-D3	-	-	Not Used
D4	0.5 RD/WH	4440	Battery Positive Voltage
D5	0.5 OG	2267	Mirror Heating Element Supply Voltage (HP2, DL8 or DPN without AN3 or DL3)
E1	5 RD/BK	842	Battery Positive Voltage
E2	5 RD/BK	642	Battery Positive Voltage (YE9 or HP2)
F1	-	-	Not Used
F2	5 RD/BK	542	Battery Positive Voltage
G1	0.35 TN	28	Horn Relay Control
G2	3 RD/WH	2340	Battery Positive Voltage (except MEX)
G3	3 RD/WH	3740	Battery Positive Voltage (except MEX)
G4	-	-	Not Used
G5	0.8 RD/WH	4540	Battery Positive Voltage (except MEX)
H1	0.5 BN	2509	Left Right Park Lamps Supply Voltage (except MEX or 8S8)
H2-H3	-	-	Not Used
H4	0.35 L-GN/BK	592	DRL Relay Control (except MEX)
H5	1 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
H6-H8	-	-	Not Used
J1	3 RD/WH	3140	Battery Positive Voltage (except MEX)
J2-J3	-	-	Not Used
J4	0.35 RD/WH	2840	Battery Positive Voltage
	0.35 RD/WH	2840	Battery Positive Voltage (except MEX)
J5	0.8 RD/WH	640	Battery Positive Voltage
	0.8 RD/WH	640	Battery Positive Voltage
K1	-	-	Not Used
K2	0.35 PK/WH	1970	Headlamp Low Beam Relay Control
K3-K4	-	-	Not Used
K5	1 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
K6-K8	-	-	Not Used



#### Connector Part Information

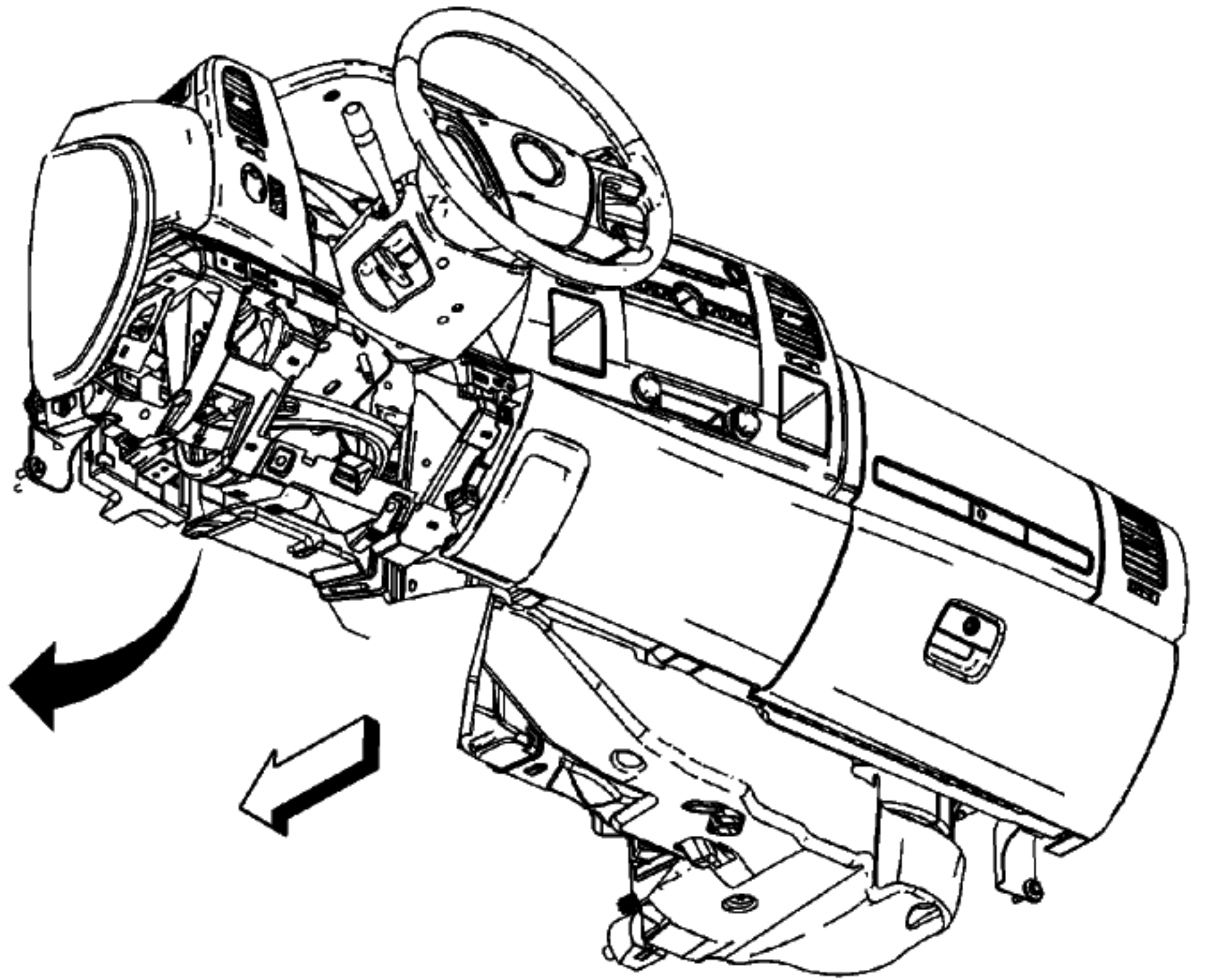
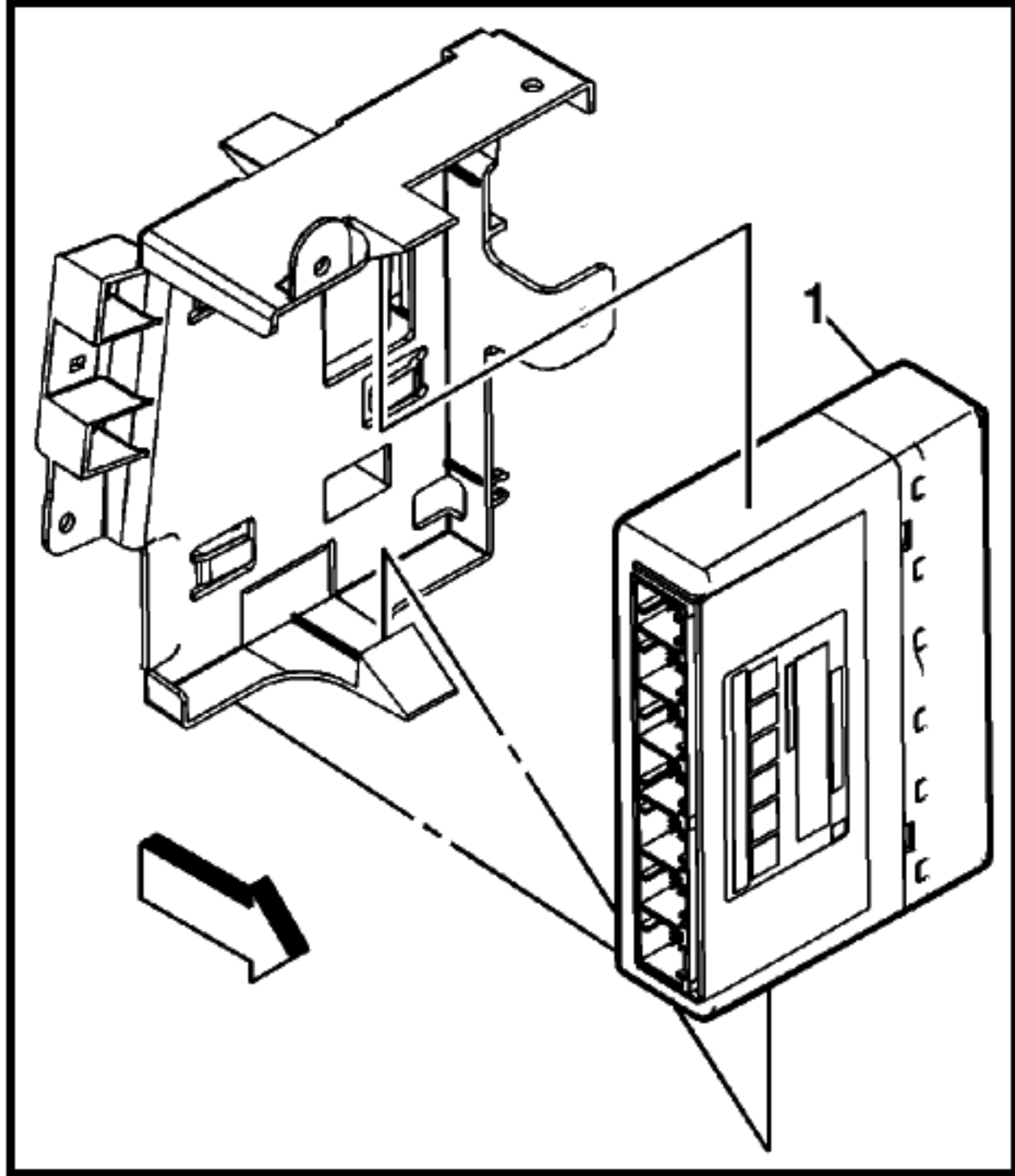
- Harness: Instrument Panel
- OEM: 13513345
- Service: 19115658
- Description: 56-Way F GT 150 280 Metri-Pack Series (GY)

#### Fuse Block - Underhood X5

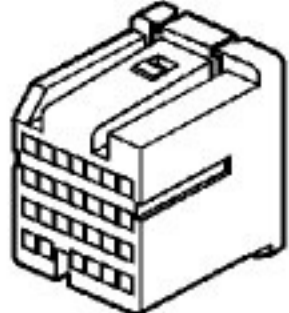
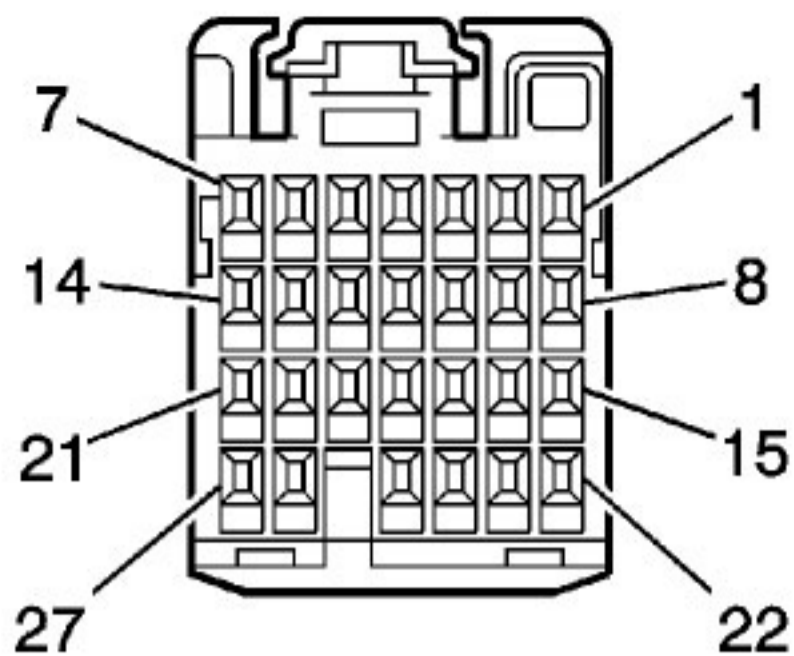
Pin	Wire	Circuit	Function
A1	-	-	Not Used
A2	0.35 L-BU/WH	6311	Cruise/ETC/TCC Brake Signal
A3-A8	-	-	Not Used
B1	0.35 L-BU/WH	6311	TCC Brake Signal
	0.35 L-BU/WH	6311	TCC Brake Signal

Pin	Wire	Circuit	Function
B2	0.5 RD/WH	740	Battery Positive Voltage (YE9, Y91 or HP2)
B3	1 RD/WH	340	Battery Positive Voltage
	1 RD/WH	340	Battery Positive Voltage (except Y91, MEX or 8S8)
B4	0.5 RD/WH	2640	Battery Positive Voltage (PTO or EXP)
B5	-	-	Not Used
C1-C3	-	-	Not Used
C4	0.35 OG	300	Ignition 3 Voltage
C5	0.35 OG	300	Ignition 3 Voltage
C6-C7	-	-	Not Used
C8	0.35 D-BU	45	Park Lamp Relay Supply Voltage
D1	0.35 RD/WH	540	Battery Positive Voltage
D2	0.35 RD/WH	3340	Battery Positive Voltage
D3-D5	-	-	Not Used
E1-E2	-	-	Not Used
F1	3 RD/BK	1342	Battery Positive Voltage (NQF or NQH)
	3 RD/BK	1342	Battery Positive Voltage (NQH)
F2	5 RD/BK	42	Battery Positive Voltage
G1	1 BK	550	Ground
G2	0.35 PK	1139	Ignition 1 Voltage
G3	0.35 PK	239	Ignition 1 Voltage
G4	0.35 PK	1639	Ignition 1 Voltage (DF5 or KA9)
	0.35 PK	1639	Ignition 1 Voltage (with MEX or except KA9)
G5	0.35 PK	739	Ignition 1 Voltage
H1	0.35 OG	5186	Left Trailer Turn Signal Lamp Control
H2	0.35 YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage (EXP)
H3	0.35 YE	5187	Right Trailer Turn Signal Lamp Control
H4	0.35 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage (EXP)
H5	0.35 YE	5199	Run/Crank Relay Coil Control
H6-H7	-	-	Not Used
H8	0.35 D-BU	38	Backup Lamp Relay Control
J1	1 PU	92	Windshield Wiper Motor High Speed
J2	1 D-GN	95	Windshield Washer Switch Signal
J3	-	-	Not Used
J4	0.5 OG	1054	Stop Lamp Supply Voltage Signal
J5	0.35 PK	839	Ignition 1 Voltage
K1	0.35 TN	860	Front Windshield Wiper Switch High Signal Control
K2	-	-	Not Used
K3	0.35 GY	91	Windshield Wiper Switch Signal 2
K4	-	-	Not Used
K5	0.35 D-BU	38	Backup Lamp Relay Control (UVC)
K6	0.5 L-BU	1320	CHMSL Supply Voltage/Stop Lamp Supply Voltage
K7-K8	-	-	Not Used









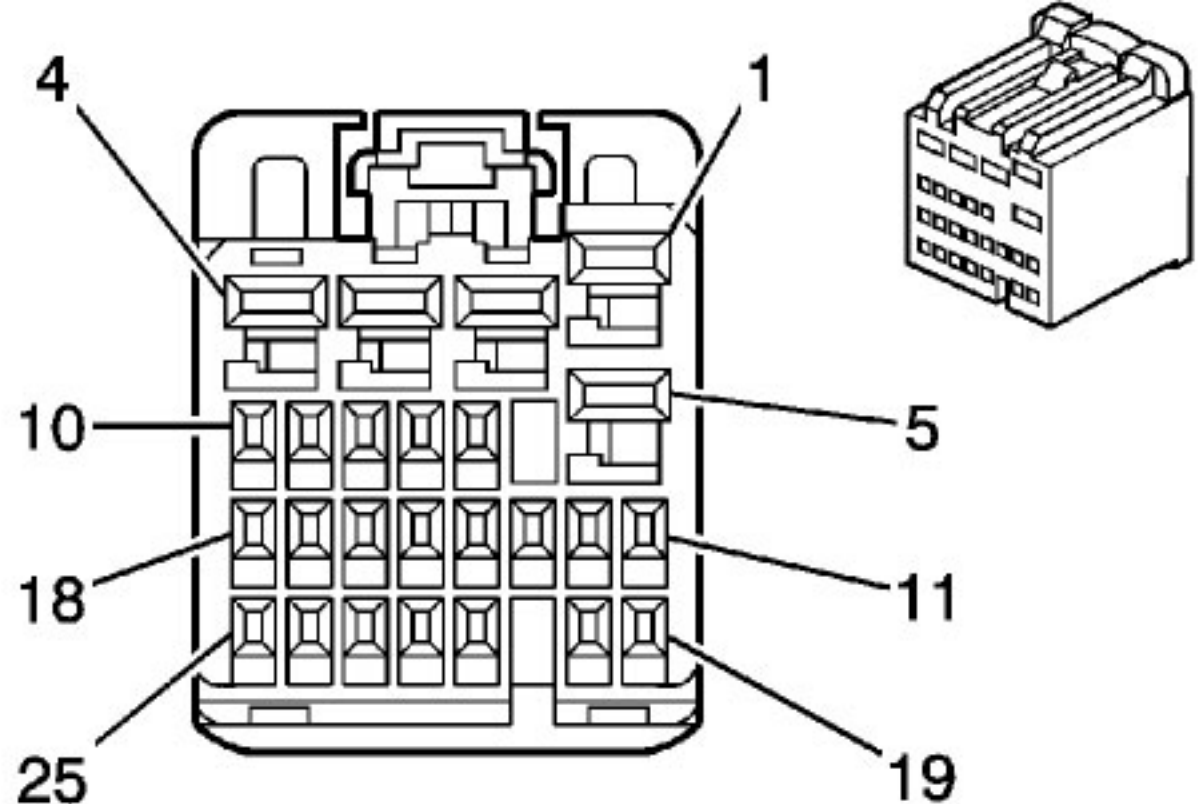
### Connector Part Information

- Harness: Steering Column
- OEM: 15482789
- Service: 88988838
- Description: 27-Way F Receptacle 0.64 2.8 (L-GN)

# Light Green Plug

## Body Control Module (BCM) X1

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	0.35 PK/BK	1020	Ignition 3 Voltage
3	0.35 GY	1884	Cruise Control Switch Signal (K34)
4	0.35 WH	530	5-Volt Reference
5	0.35 L-GN	1715	Windshield Wiper Switch High Signal
6	0.35 L-GN	6818	Steering Wheel Control Switch Signal (UK3)
7	-	-	Not Used
8	0.35 TN/BK	6009	Low Reference
9	0.35 L-BU	1714	Windshield Wiper Switch Low Signal
10-13	-	-	Not Used
14	0.35 PK	3	Ignition 1 Voltage
15	0.35 D-GN	663	Hazard Switch Left Turn Signal
16	0.35 TN	664	Hazard Switch Right Turn Signal
17	0.35 PK	1444	12-Volt Reference
18	0.35 YE	525	Headlamp Dimmer Switch Signal
19	0.35 WH	111	Hazard Switch Signal
20	0.5 PU	5526	Tap Up/Tap Down Switch Signal (MYC, MYD, M99 or MW7)
21	0.35 BN	4	Accessory Voltage
22	-	-	Not Used
23	0.35 L-BU	553	Tow/Haul Switch Signal (MYC, MYD, M99 or MW7)
24	0.35 PK	94	Windshield Washer Switch Signal
25	0.35 YE/BK	307	Headlamp Flash to Pass Signal
26	0.35 TN/WH	816	A/T Shift Lock Solenoid Supply Voltage
27	-	-	Not Used



### Connector Part Information

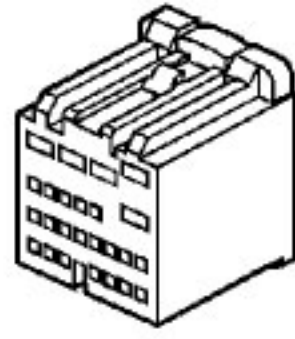
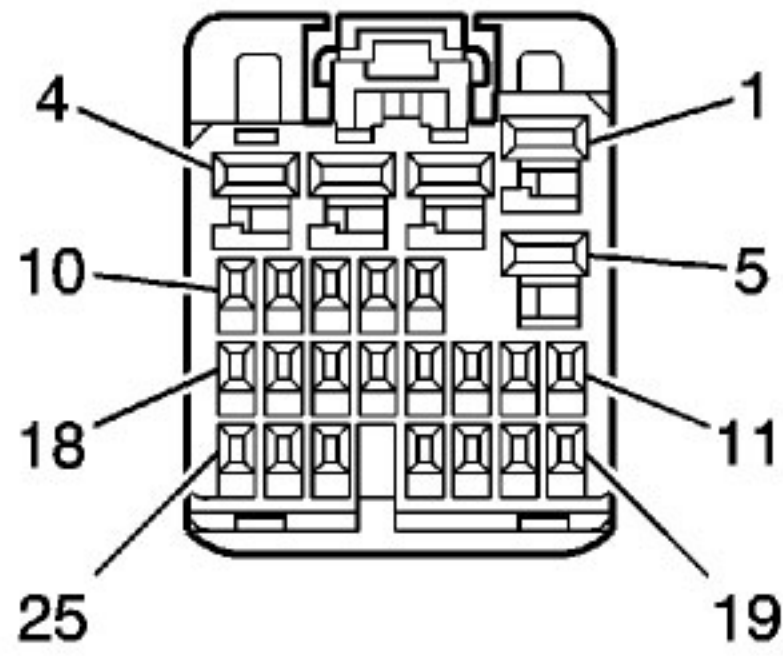
- Harness: Instrument Panel
- OEM: 15482790
- Service: 88988839
- Description: 25-Way F HIT Series (WH)

# White Plug

## Body Control Module (BCM) X2

Pin	Wire	Circuit	Function
1	0.5 OG	6815	Inadvertent Power Supply Voltage
2	0.5 RD/WH	2540	Battery Positive Voltage
3	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
4	-	-	Not Used
5	0.5 GY	157	Courtesy Lamp Control
6-7	-	-	Not Used
8	0.35 L-BU	13	Headlamp Switch Park Lamps Signal
9-10	-	-	Not Used
11	0.35 WH	278	Ambient Light Sensor Signal
12	0.35 WH	103	Headlamp Switch Headlamps On Signal
13-16	-	-	Not Used
17	0.35 D-GN	306	Headlamp Switch Headlamps Off Signal
18	0.35 D-BU/WH	149	Courtesy Lamp Supply Voltage
19-20	-	-	Not Used
21	0.35 L-BU	1788	Traction Control Switch Signal (JL4)
22	0.35 YE	43	Accessory Voltage (except MEX)
23-24	-	-	Not Used
25	0.35 PU	328	Interior Lamp Defeat Switch Signal





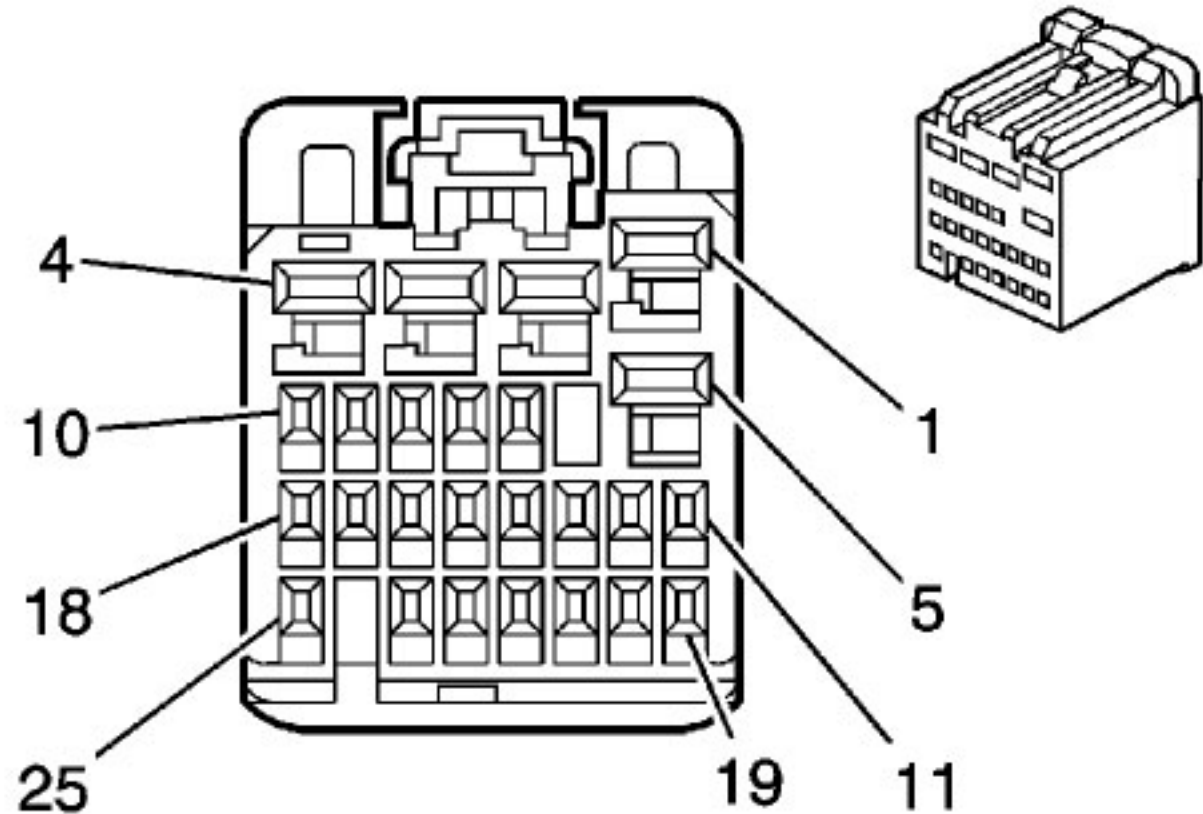
### Connector Part Information

- Harness: Instrument Panel
- OEM: 15482791
- Service: 88988840
- Description: 25-Way F HIT Series (L-BU)

# Light Blue Plug

Body Control Module (BCM) X3

Pin	Wire	Circuit	Function
1	0.8 BK/WH	1851	Ground (MEX)
2	0.8 RD/WH	2140	Battery Positive Voltage (except HP2 or except 8S8)
	0.5 RD/WH	2140	Battery positive Voltage (HP2 or 8S8)
3	0.5 RD/WH	3840	Battery Positive Voltage
4	-	-	Not Used
5	0.8 BK/WH	1851	Ground (MEX)
	1 BK/WH	1851	Ground (except MEX)
6	-	-	Not Used
7	0.5 GY	728	Security Indicator Control (SPO Alarm)
8	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
9	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
10	0.35 D-GN	5060	Low Speed GMLAN Serial Data
11	0.35 D-GN	44	Instrument Panel Lamp Dimmer Switch Signal
12	0.35 OG/WH	812	12-Volt Reference
13	0.35 PU	7062	Brake Switch Signal
14-15	-	-	Not Used
16	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
17	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
18	0.35 YE	6817	LED Backlight Dimming Control
19	0.35 L-BU	5986	Serial Data Communication Enable (except MEX)
20	-	-	Not Used
21	0.35 OG	192	Front Fog Lamp Switch Signal/Fog Lamps Enable (T96)
22	0.35 L-GN/WH	7158	Cruise Control Indicator Dimming Signal (except MEX)
23-24	-	-	Not Used
25	0.35 PU/WH	6816	Indicator Dimming Control (except MEX)



### Connector Part Information

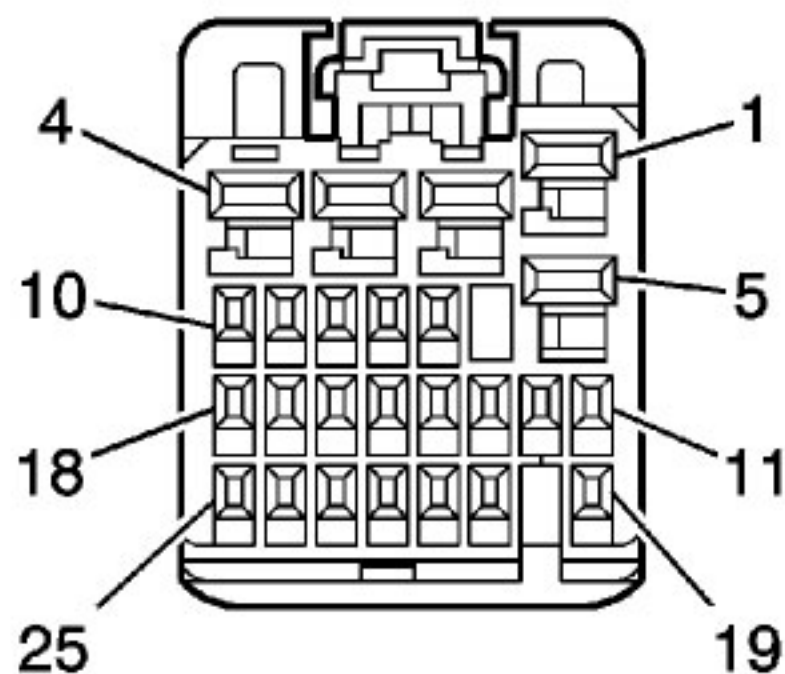
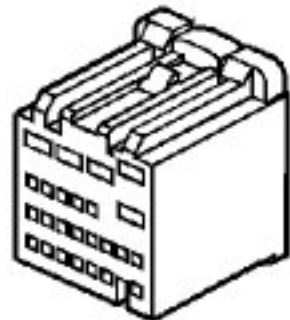
- Harness: Instrument Panel
- OEM: 15482792
- Service: 88988841
- Description: 25-Way F HIT Series (BK)

# Black Plug

## Body Control Module (BCM) X4

Pin	Wire	Circuit	Function
1	0.8 RD/WH	2740	Battery Positive Voltage
2	0.8 RD/WH	3040	Battery Positive Voltage
3	0.8 RD/WH	2940	Battery Positive Voltage
4	0.8 RD/WH	2240	Battery Positive Voltage
5	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (except HP2)
	0.8 D-BU/WH	1315	Right Front Turn Signal lamp Supply Voltage (HP2)
6	0.35 D-GN	6134	Linear Interconnect Network Bus (YE9, Y91 or HP2)
7	0.35 YE	196	Windshield Wiper Motor Park Switch Signal
8	-	-	Not Used
9	0.5 BK/WH	451	Ground (except MEX)
10	0.35 RD/WH	2840	Battery Positive Voltage (except MEX)
11	0.35 D-GN/WH	1317	Fog Lamp Relay Control (T96 or HP2)
12	0.35 YE	5187	Right Trailer Turn Signal Lamp (except TZ0)
	0.5 PU	16	Turn Signal Flasher Signal (TZ0)
13	0.35 OG	5186	Left Trailer Turn Signal Lamp (except TZ0)
	0.5 PU	16	Turn Signal Flasher Signal (TZ0)
14	0.35 L-GN	482	Outside Moisture Sensor Signal 2 (CE1 or HP2)
15	0.5 OG	2268	Windshield Washer Relay Control
16	0.35 TN/WH	1969	Headlamp High Beam Relay Control
17	0.35 PK/BK	109	Hood Ajar Switch Signal (AP3 or AP8)
18	0.35 TN	481	Outside Moisture Sensor Signal 1 (CE1 or HP2)
19	0.35 D-BU	5985	Accessory Wakeup Serial Data
20	-	-	Not Used
21	0.35 YE	5199	Run/Crank Relay Coil Control
22	-	-	Not Used
23	0.35 L-GN/BK	592	DRL Relay Control (except MEX)
24-25	-	-	Not Used





### Connector Part Information

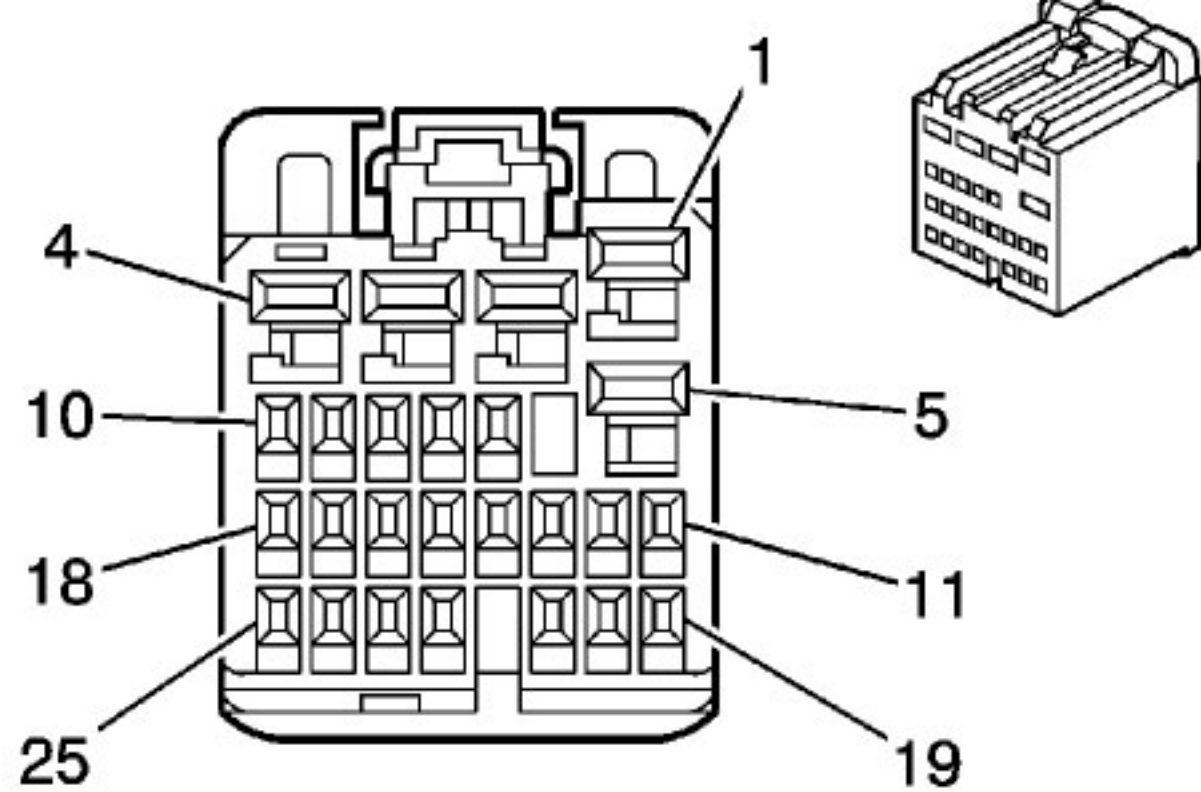
- Harness: Instrument Panel
- OEM: 15480179
- Service: 88988837
- Description: 25-Way F HIT Series (BN)

# Brown Plug

Body Control Module (BCM) X5

Pin	Wire	Circuit	Function
1	1 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
2	1 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
3	-	-	Not Used
4	0.5 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage
5	0.5 L-BU	1320	CHMSL Supply Voltage/Stop Lamp Supply Voltage
6	0.35 L-BU/WH	6311	Cruise/ETC/TCC Brake Signal
7	-	-	Not Used
8	0.5 PK	5076	Current Sensor Supply Voltage (10 Series except MEX)
9	0.5 WH	5075	Current Sensor Signal (10 Series except MEX)
10	0.5 BN	5077	Low Reference (10 Series except MEX)
11	0.35 D-BU	38	Backup Lamp Relay Control
12	-	-	Not Used
13	0.35 OG	300	Ignition 3 Voltage
14	0.35 WH	2283	12-Volt Reference (NQF, NQH or 10 Series except MEX or except 8S8)
15	0.35 PU	5531	Hood Closed Switch Signal (AP3 or AP8)
16	0.35 L-BU	1134	Park Brake Switch Signal (Park brake systems only)
17	-	-	Not Used
18	0.35 TN	28	Horn Relay Control (except MEX)
19	0.35 YE	6812	Out of Park Signal (YE9 or HP2)
20	0.35 GY	91	Windshield Wiper Switch Signal 2
21	0.35 TN	860	Front Windshield Wiper Switch High Signal Control
22	-	-	Not Used
23	0.35 PK/WH	1970	Headlamp Low Beam Relay Control
24	0.35 D-BU	45	Park Lamp Relay Control
25	-	-	Not Used





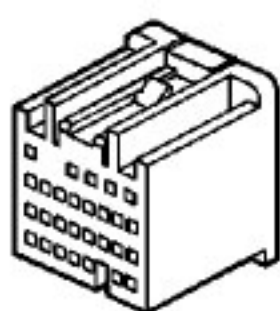
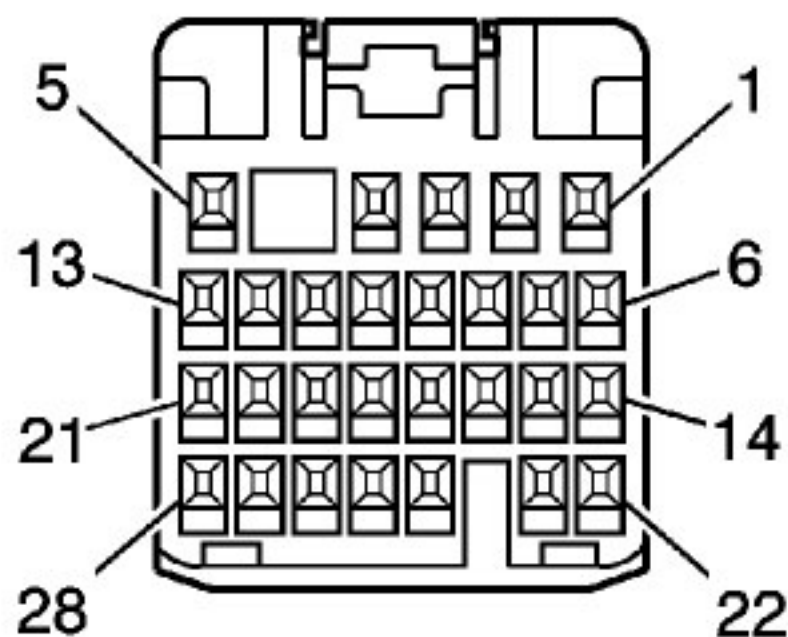
### Connector Part Information

- Harness: Body
- OEM: 15482793
- Service: 88988842
- Description: 25-Way F HIT Series (PK)

# Pink Plug

Body Control Module (BCM) X6

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	1 WH/BK	158	Courtesy Lamp Supply Voltage
3-7	-	-	Not Used
8	0.35 TN/WH	746	Right Front Door Ajar Switch Signal (except AN3 or DL3)
9	0.35 D-BU	245	Passenger Door Lock Switch Unlock Signal (YE9 without AN3 or DL3 or except YE9, MEX or A52)
10	0.35 GY/BK	745	Left Front Door Ajar Switch Signal (except AN3 or DL3)
11-13	-	-	Not Used
14	0.35 L-GN/BK	748	Right Rear Door Ajar Switch Signal (Crew Cab)
15	0.35 L-BU/BK	747	Left Rear Door Ajar Switch Signal (Crew Cab)
16	0.35 OG	5922	Passenger Door Open Switch Signal (MEX or A52)
17	-	-	Not Used
18	0.35 L-BU	244	Passenger Door Lock Switch Lock Signal (YE9 without AN3 or DL3 or except YE9, MEX or A52)
19	-	-	Not Used
20	0.35 L-GN	262	Driver Door Key Switch Signal (AU3 without AN3 or DL3)
21	-	-	Not Used
22	0.35 TN	126	Front Door Open Switch Signal (MEX or A52)
23	0.5 YE	5058	Intrusion Sensor Armed Signal (SPO Alarm)
24-25	-	-	Not Used



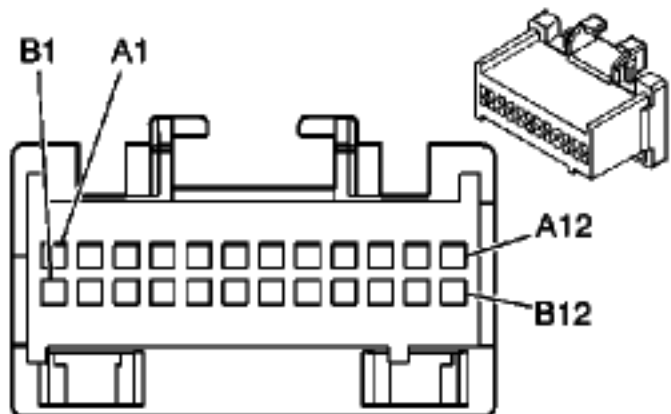
## Connector Part Information

- Harness: Body
- OEM: 15466053
- Service: 88988806
- Description: 28-Way F Receptacle 0.64 Series (GY)

# Gray Plug

Body Control Module (BCM) X7 (except MEX or A52)

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	0.5 D-BU	38	Backup Lamp Relay Control (UVC)
	0.5 L-GN	38	Backup Lamp Relay Control (SPO Rearview Camera)
3-5	-	-	Not Used
6	0.35 L-BU	5921	Driver Door Unlock Relay Control (except AN3 or DL3)
7	0.35 L-BU	195	Door Lock Control
8	-	-	Not Used
9	0.35 WH	194	Door Unlock Control
10	-	-	Not Used
11	0.35 OG/BK	781	Driver Door Lock Switch Unlock Signal (YE9 without AN3 or DL3, or except YE9)
12	0.35 PK/BK	780	Driver Door Lock Switch Lock Signal (YE9 without AN3 or DL3, or except YE9)
13-14	-	-	Not Used
15	0.5 PU	5059	Intrusion Sensor Alarm ON Signal (SPO Alarm)
16-17	-	-	Not Used
18	0.35 L-GN	170	Power Window Master Switch Right Rear Up Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)
19	0.35 PU	169	Power Window Master Switch Left Rear Down Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)
20	-	-	Not Used
21	0.35 D-BU	1307	Power Window Master Switch Lockout Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)
22-25	-	-	Not Used
26	0.35 PU	171	Power Window Master Switch Right Rear Down Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)
27	0.35 L-BU/WH	280	Power Window Master Switch Lockout Right Rear Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)
28	0.35 D-GN	168	Power Window Master Switch Left Rear Up Signal (AN3 or DL3 with Crew Cab and with A31 or HP2, or Extended Cab with ABV)



## Connector Part Information

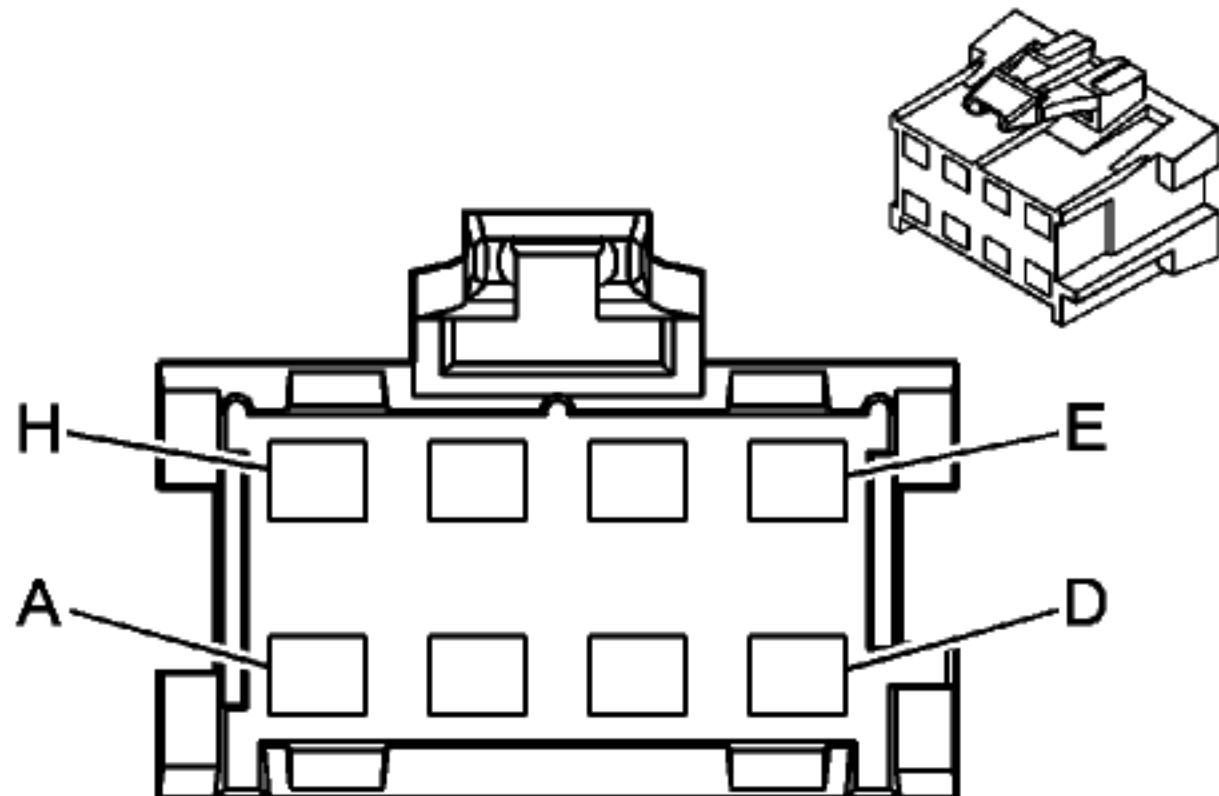
- Harness: Instrument Panel
- OEM: 12110088
- Service: 15306210
- Description: 24-Way F Micro-Pack 100 Series (GY)

## Terminal Part Information

- Pins: A1-A3, A7-A8, A10, A12, B1-B2, B4
- Terminal/Tray: 12146447/3
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 12031876-1/J-35616-6 (BN)

## Auxiliary Body Control Module (XBCM) X1 (EXP)

Pin	Wire	Circuit	Function
A1	0.5 BK	1050	Ground
A2	0.5 RD/WH	2640	Battery Positive Voltage
A3	0.35 D-GN	5060	Low Speed GMLAN Serial Data
A4-A6	-	-	Not Used
A7	0.8 BK/WH	1851	Ground
A8-A9	-	-	Not Used
A10	0.35 PK	7141	Trailer Connected Signal Trailer
A11	-	-	Not Used
A12	0.35 YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage
B1	0.5 L-BU	1320	CHMSL Supply Voltage
B2	0.35 PK	239	Ignition 1 Voltage
B3-B10	-	-	Not Used
B11	0.35 D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage
B12	-	-	Not Used



### Connector Part Information

- Harness: Instrument Panel
- OEM: 15357040
- Service: 12110626
- Description: 8-Way F Metri-Pack 280 (L-GY)

### Terminal Part Information

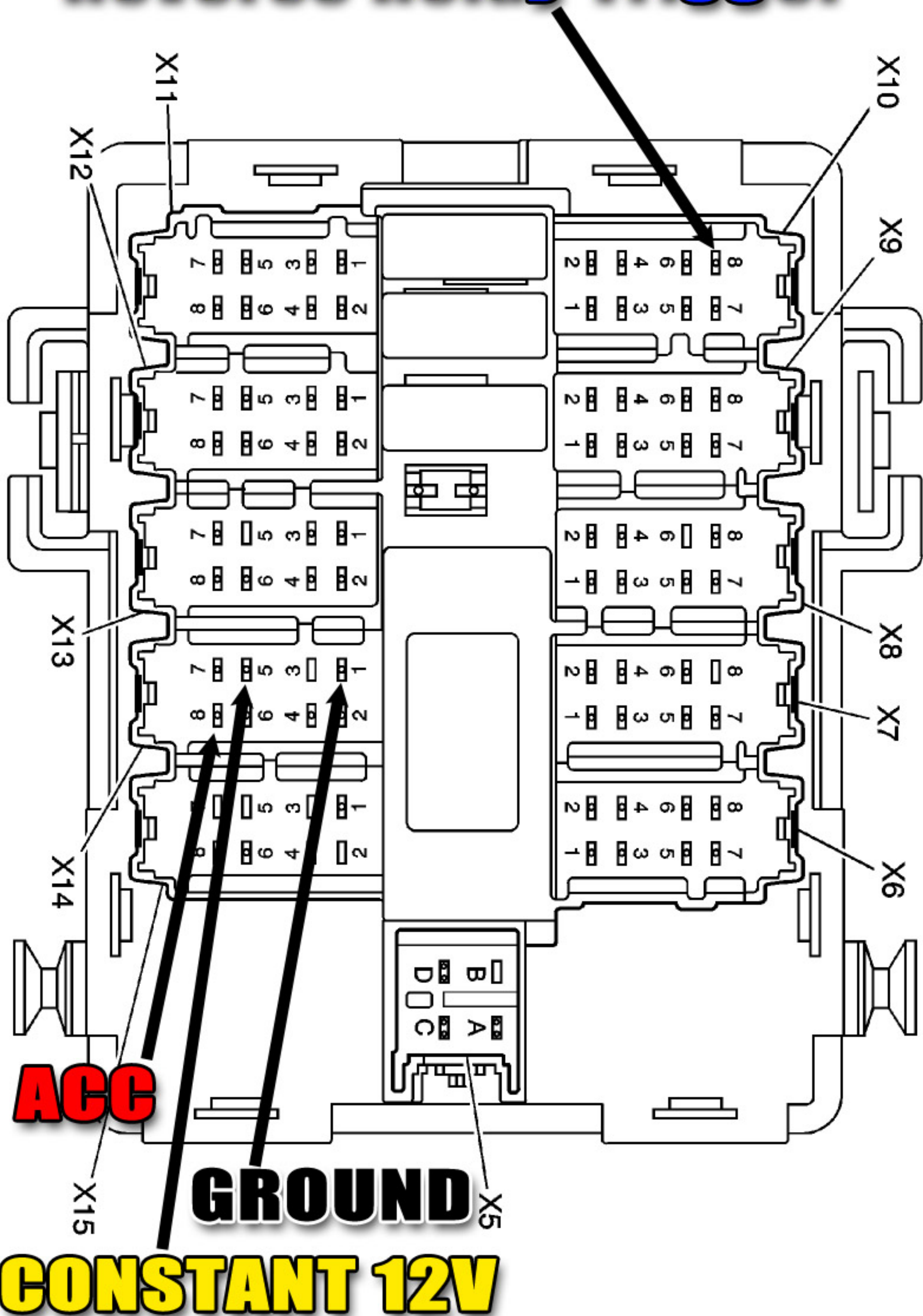
- Pins: A-B
- Terminal/Tray: 12110844/4
- Core/Insulation Crimp: C/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: G-H
- Terminal/Tray: 12110844/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Auxiliary Body Control Module (XBCM) X2 (EXP)

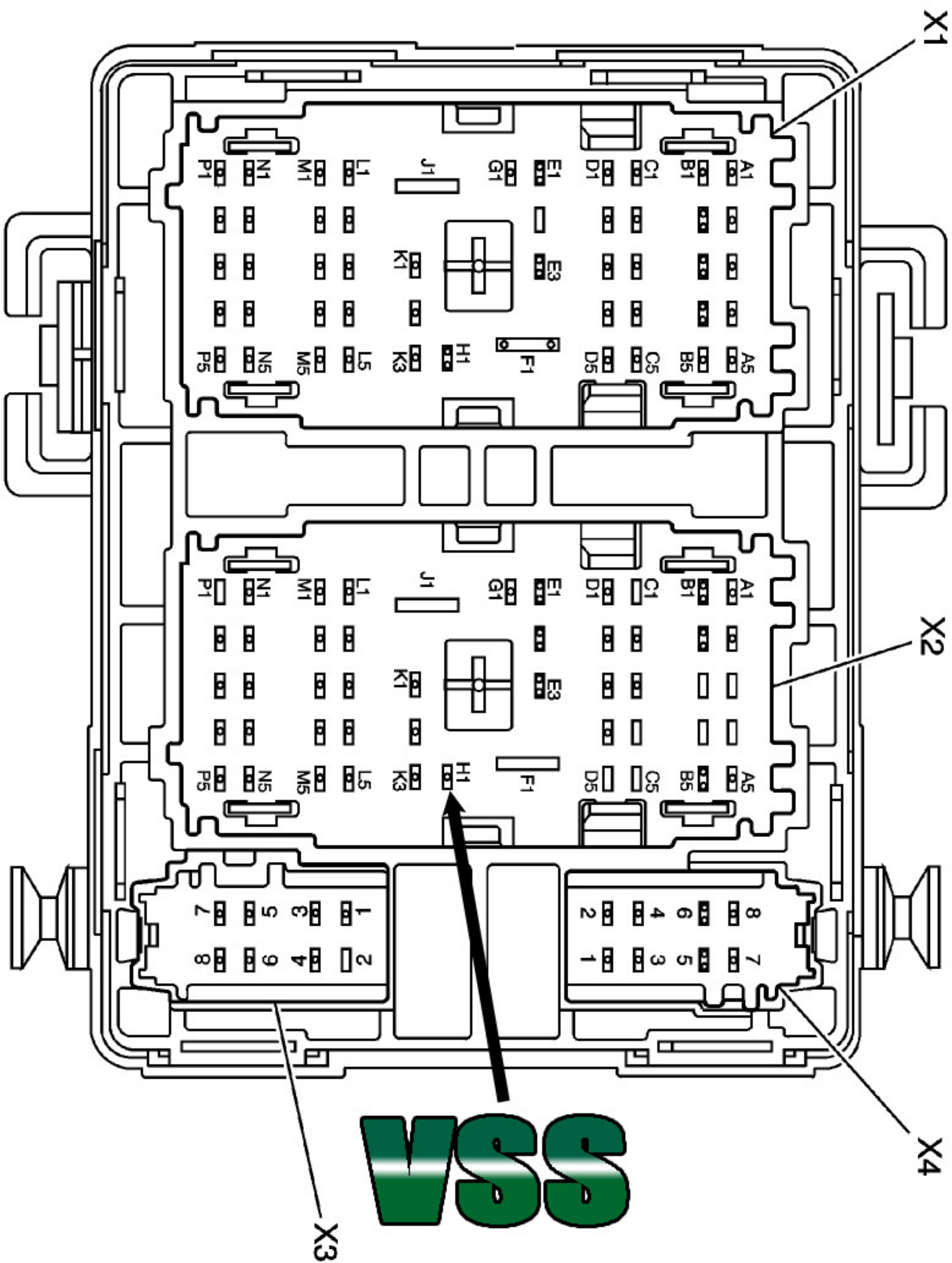
Pin	Wire	Circuit	Function
A	0.8 L-BU	1620	CHMSL Supply Voltage
B	0.8 RD/WH	4540	Battery Positive Voltage
C-H	-	-	Not Used



# Reverse Relay Trigger







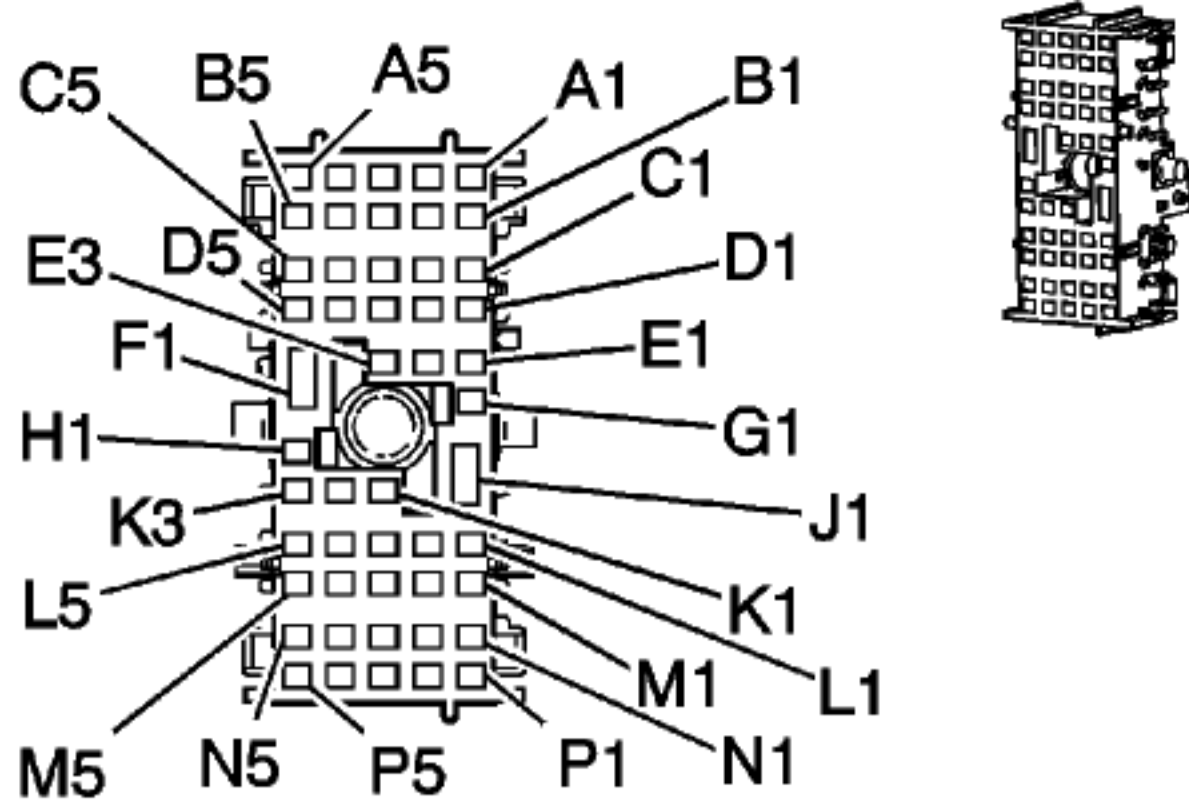
X1

X2

X4

**WSS1**

X3



**Connector Part Information**

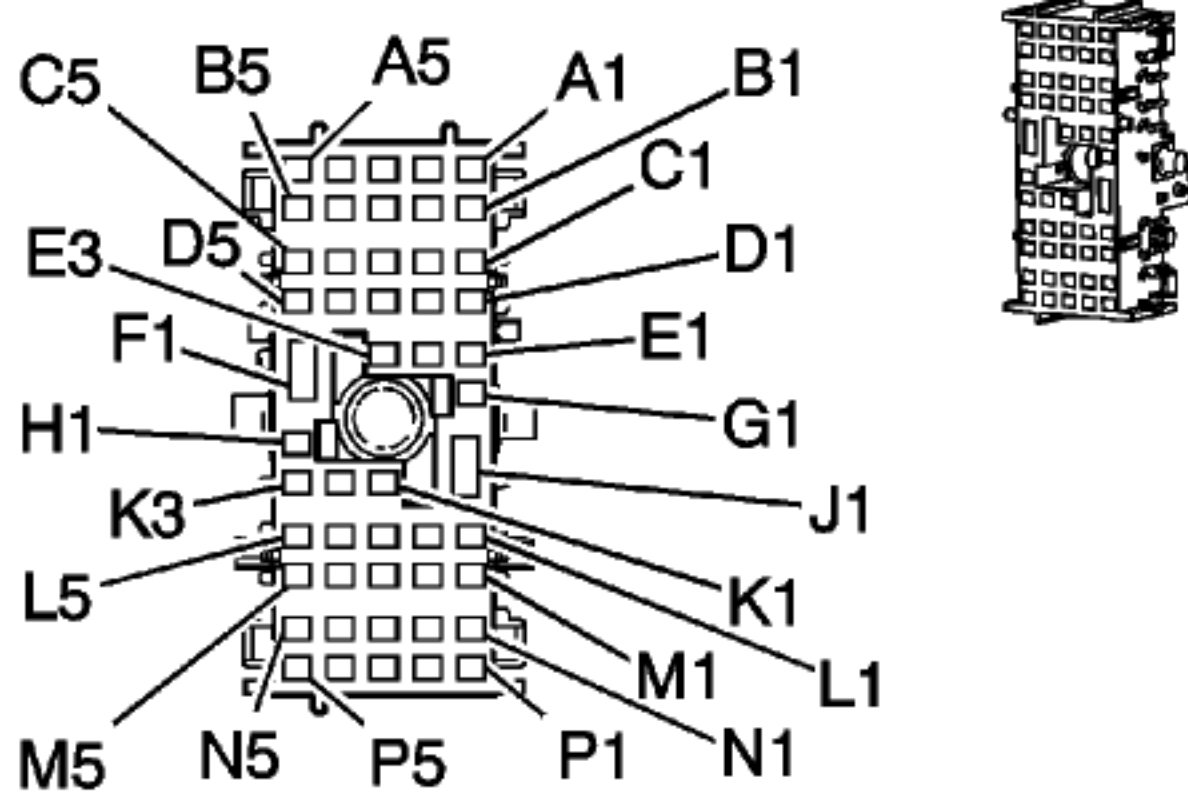
- Harness: Instrument Panel
- OEM: 15467568
- Service: 19115661
- Description: 50-Way F GT 280 Series (GY)

**Junction Block - Left I/P X1 (except MEX)**

Pin	Wire	Circuit	Function
A1	0.5 RD/WH	4440	Battery Positive Voltage
A2	-	-	Not Used
A3	0.35 PK	239	Ignition 1 Voltage
	0.35 PK	239	Ignition 1 Voltage (NQF or NQH)
A4	0.35 PK	239	Ignition 1 Voltage (HP2 or UVC)
	0.8 PK	239	Ignition 1 Voltage (PTO or EXP)
A5	0.5 BK	2550	Ground (U42, UK6 or Y91)
B1-B2	-	-	Not Used
B3	1 BK	2550	Ground
B4	0.5 GY	157	Courtesy Lamp Control

Pin	Wire	Circuit	Function
B5	-	-	Not Used
C1	0.35 PK	1639	Ignition 1 Voltage (DL3 with DD8 or DRC)
C2	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (HP2 or AU3 without AN3)
C3	0.5 BK	2250	Ground (U2K with Y91)
	0.5 BK	2250	Ground (UE1 with Y91)
C4	-	-	Not Used
C5	0.5 YE/BK	5813	Park Enable Supply Voltage (JF4 without AN3)
D1	2 RD/WH	1340	Battery Positive Voltage (A31 or HP2)
D2	-	-	Not Used
D3	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (except MEX or 8S8)
	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (HP2 or AU3 without AN3)
D4-D5	-	-	Not Used
E1	0.5 BK/WH	1851	Ground (XA7)
E2	-	-	Not Used
E3	0.8 BK/WH	1851	Ground
	0.5 BK/WH	1851	Ground
F1	5 RD/BK	642	Battery Positive Voltage (YE9 or HP2)
G1	-	-	Not Used
H1	0.5 BK/WH	1851	Ground
	0.5 BK/WH	1851	Ground
J1	-	-	Not Used
K1	0.5 BK/WH	1851	Ground
	0.35 BK/WH	1851	Ground
K2	2 BK/WH	1851	Ground
K3	0.8 BK/WH	1851	Ground
	0.8 BK/WH	1851	Ground (EXP or HP2)
L1	0.5 OG	6815	Inadvertent Power Control
L2	0.5 RD/WH	240	Battery Positive Voltage (YE9, Y91 or HP2)
	0.5 RD/WH	3040	Battery Positive Voltage (5X7, 5Y0, TRW or 8S8 without YE9)
L3	0.35 PU/WH	6816	Indicator Dimming Control
L4	0.35 WH/BK	5515	Inside Air Temperature Sensor Assembly Control (CJ2)
L5	-	-	Not Used
M1	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (HP2 with NQH)
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (NQF or NQH except HP2)
M2	0.35 PK	1691	Low Reference (HP2 or DL3 with DD8 or DRC)
M3	0.35 PU/WH	6816	Indicator Dimming Control
M4	0.35 D-GN	734	Inside Air Temperature Sensor Signal (CJ2)
M5	0.5 OG	1054	Stop Lamp Supply Voltage (except EXP)
	0.5 OG	1054	Stop Lamp Supply Voltage (except EXP)
	0.5 L-BN	1320	Stop Lamp Supply Voltage (EXP)
N1	0.35 D-GN	6134	Linear Interconnect Network Bus (YE9, Y91 or HP2)

Pin	Wire	Circuit	Function
N2	-	-	Not Used
N3	0.35 PU/WH	6816	Indicator Dimming Control (PTO)
N4	-	-	Not Used
N5	0.35 PK	1139	Ignition 1 Voltage
P1	0.35 D-BU	38	Backup Lamp Relay Control (UVC)
P2	0.35 GY	1690	Automatic Day/Night Mirror Signal (HP2 or DL3 with DD8 or DRC)
P3	0.35 PU/WH	6816	Indicator Dimming Control (NQF or NQH)
P4	-	-	Not Used
P5	0.35 D-GN	6101	Low Reference (CJ2)



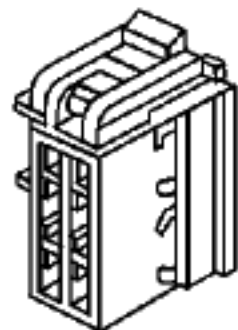
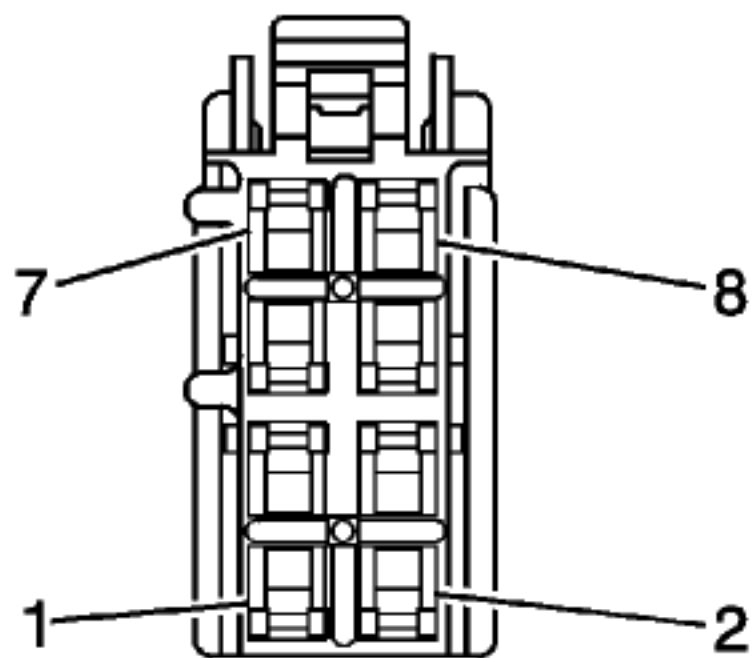
### Connector Part Information

- Harness: Instrument Panel
- OEM: 15467567
- Service: 19149284
- Description: 50-Way F GT 280 Series (BK)

### Junction Block - Left I/P X2 (except MEX)

Pin	Wire	Circuit	Function
A1	0.35 PK	739	Ignition 1 Voltage
A2	0.35 YE	43	Accessory Voltage
	0.35 YE	43	Accessory Voltage (except YE9, HP2, or YE9 with AN3 or DL3)
A3-A4	-	-	Not Used
A5	0.8 RD/WH	1040	Battery Positive Voltage (except Y91 or 853)
B1	3 RD/WH	2340	Battery Positive Voltage
B2-B4	-	-	Not Used
B5	0.5 RD/WH	3240	Battery Positive Voltage (except Y91)
C1	0.5 YE/BK	5813	Park Enable Supply Voltage (YE9 or Y91)
C2	3 BK	2550	Ground (Y91)

Pin	Wire	Circuit	Function
C3	0.5 RD/WH	340	Battery Positive Voltage (except Y91 or 853)
C4-C5	-	-	Not Used
D1	2 BK	1050	Ground
D2	-	-	Not Used
D3	0.8 RD/WH	4540	Battery Positive Voltage
	0.8 RD/WH	4540	Battery Positive Voltage (PTO or EXP)
	0.5 RD/WH	4540	Battery Positive Voltage (8S8)
D4-D5	-	-	Not Used
E1	0.5 OG/BK	5285	Adjustable Pedals Relay Rearward Control (YE9 or Y91)
E2	0.5 RD/WH	740	Battery Positive Voltage (YE9 or Y91)
E3	0.35 YE	6812	Out of Park Signal (YE9 or Y91)
G1	0.5 PU	5286	Adjustable Pedals Relay Forward Control (YE9 or Y91)
H1	0.35 D-GN/WH	817	Vehicle Speed Signal
	0.5 D-GN/WH	817	Vehicle Speed Signal (Y91)
J1	-	-	Not Used
K1	-	-	Not Used
K2	0.35 YE	6817	LED Backlight Dimming Control
K3	0.35 D-GN	5060	Low Speed GMLAN Serial Data
L1-L2	-	-	Not Used
L3	0.35 YE	6817	LED Backlight Dimming Control (except 853)
L4	0.35 YE	6817	LED Backlight Dimming Control
L5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
M1-M2	-	-	Not Used
M3	0.35 YE	6817	LED Backlight Dimming Control
	0.35 YE	6817	LED Backlight Dimming Control (C67 or C42)
M4	-	-	Not Used
M5	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
N1	0.35 D-BU	2307	Passenger Air Bag On Indicator Control (AL0 or C99)
N2	-	-	Not Used
N3	0.35 YE	6817	LED Backlight Dimming Control (JL1 or HP2)
	0.35 YE	6817	LED Backlight Dimming Control (PTO)
N4	0.35 YE	6817	LED Backlight Dimming Control
	0.35 YE	6817	LED Backlight Dimming Control
N5	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
P1	0.35 PU	5234	Passenger Seat Belt Indicator (AL0 or HP2)
P2	-	-	Not Used
P3	0.35 D-GN	2308	Passenger Air Bag Off Indicator Control (AL0, C99 or HP2)
P4	3 RD/WH	3740	Battery Positive Voltage (except Y91)
P5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)



### Connector Part Information

- Harness: I/P Extension
- OEM: 13516840
- Service: 19149295
- Description: 8-Way F GT 280 Series (GN)

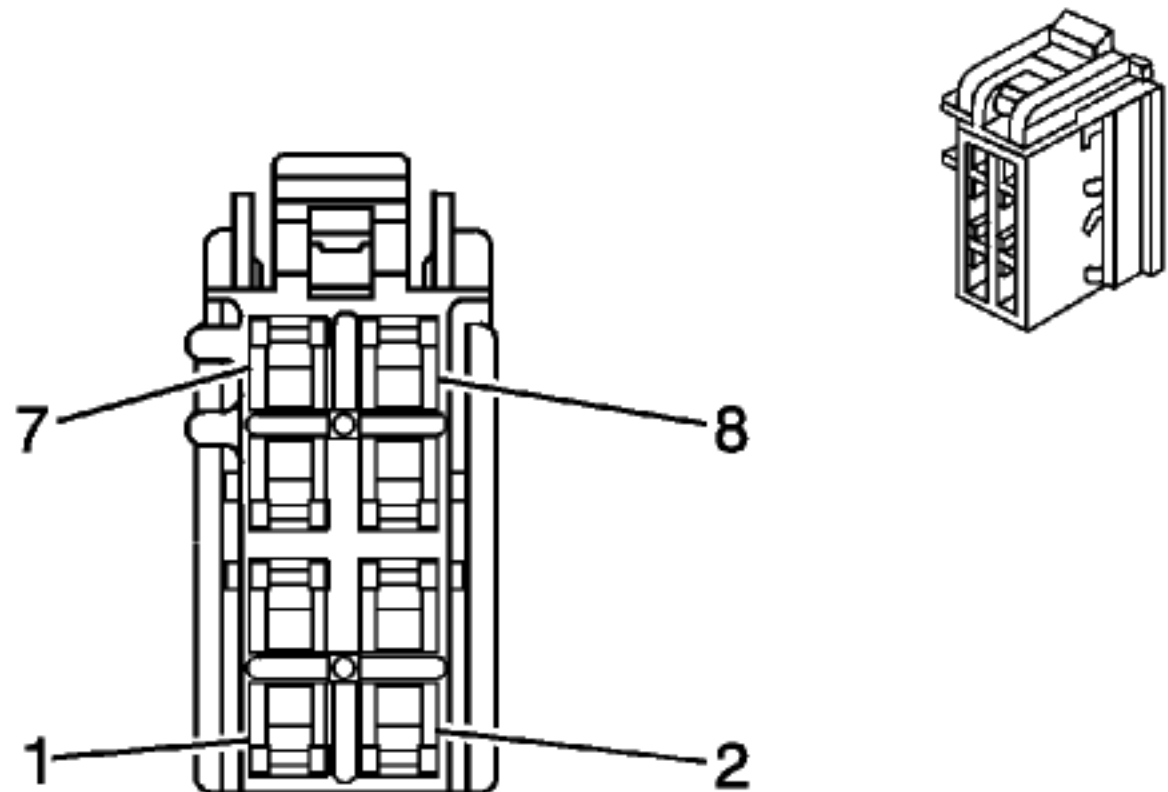
### Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X3 (except MEX)

Pin	Wire	Circuit	Function
1	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
2	0.8 BK	1050	Ground (D07, YE9 or UQA)
3	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
4	-	-	Not Used
5	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
6	3 RD/WH	3740	Battery Positive Voltage (except Y91)
7	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
8	-	-	Not Used





### Connector Part Information

- Harness: I/P Extension
- OEM: 13516829
- Service: 19115667
- Description: 8-Way F GT 280 Series (OG)

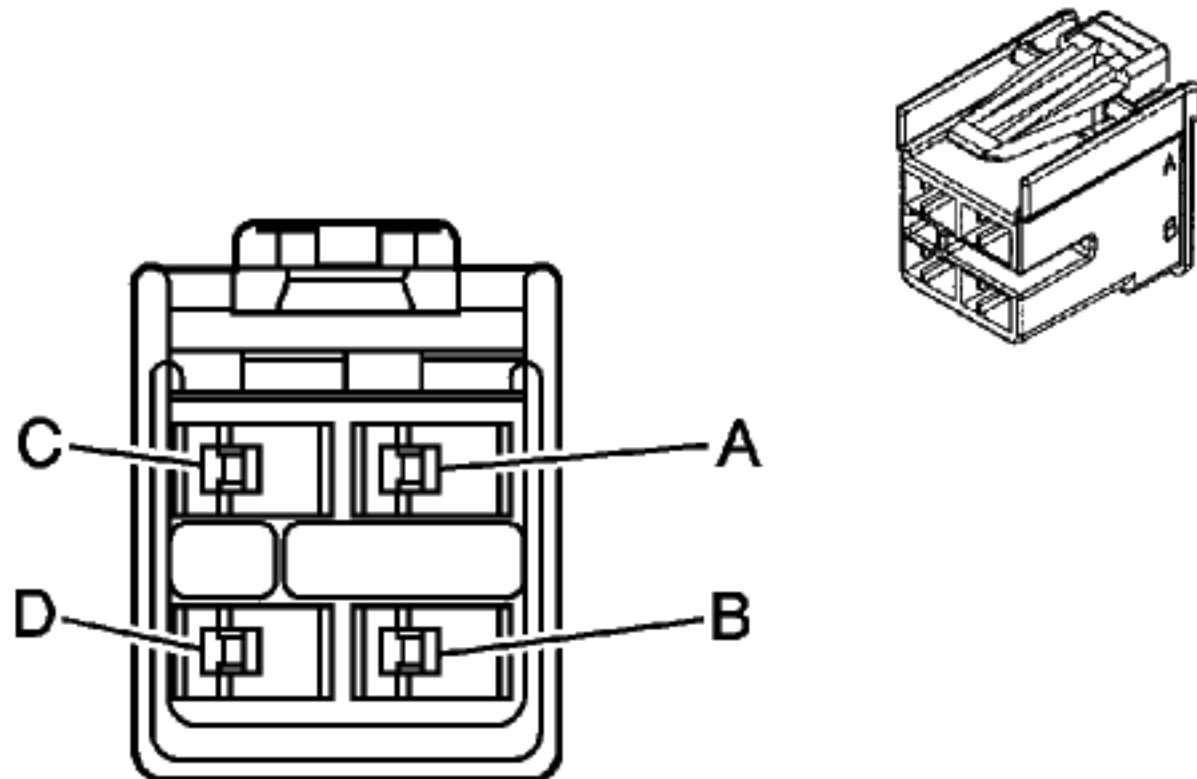
### Terminal Part Information

- Pins: 4
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: 1, 2, 3, 5, 6, 7, 8
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: Pins 1, 2, 5, 6, 7 - E/A
- Core/Insulation Crimp: Pins 3, 8 - 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X4 (except MEX)

Pin	Wire	Circuit	Function
1	0.35 D-GN	5060	Low Speed GMLAN Serial Data (except Y91)
	0.35 D-GN	5060	Low Speed GMLAN Serial Data (except Y91)
2	0.5 RD/WH	340	Battery Positive Voltage (UK6 without Y91)
	0.5 RD/WH	340	Battery Positive Voltage (U2K without Y91)
3	0.8 D-GN/WH	817	Vehicle Speed Signal (UUL or UUK)
4	3 BK	2550	Ground (UQA without Y91)
5	0.5 BK	2550	Ground (UE1 without Y91)
	05 BK	2550	Ground (U2K without Y91)
6	0.5 RD/WH	3240	Battery Positive Voltage (UE1 except Y91)
7	0.5 BK	2550	Ground (U42 without Y91)
8	0.8 RD/WH	1040	Battery Positive Voltage (UQA without Y91)





### Connector Part Information

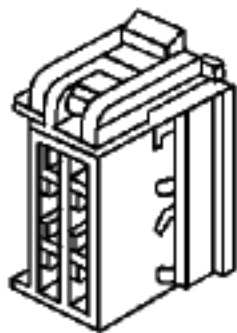
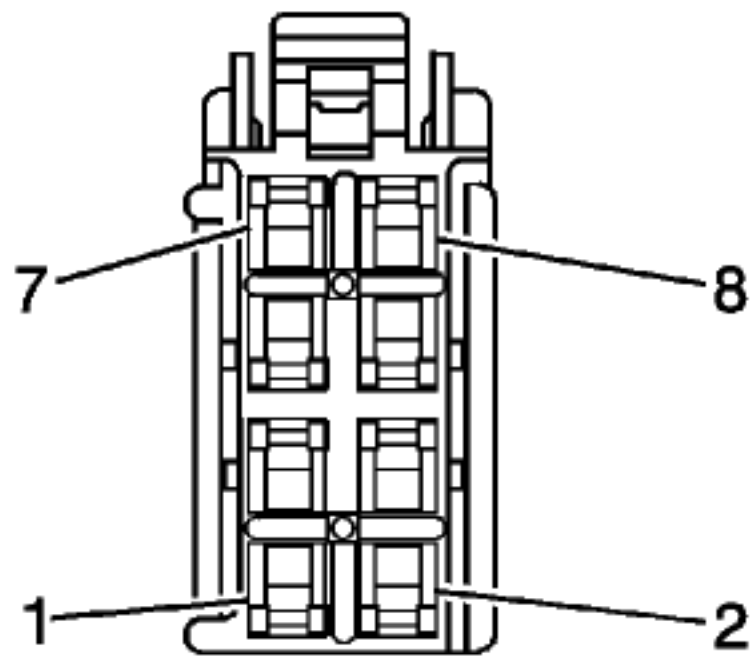
- Harness: SPO Theft
- OEM: 12194033
- Service: Service by Harness - See Part Catalog
- Description: 4-Way F Metri-Pack 280 Series (CM)

### Terminal Part Information

- Terminal/Tray: See Terminal Repair Kit
- Core/Insulation Crimp: See Terminal Repair Kit
- Release Tool/Test Probe: See Terminal Repair Kit

### Junction Block - Left I/P X5 (SPO Alarm or SPO Heated Seats)

Pin	Wire	Circuit	Function
A-B	-	-	Not Used
C	0.35 D-GN	5060	Low Speed GMLAN Serial Data (SPO Heated Seats)
D	0.5 RD/WH	4540	Battery Positive Voltage (SPO Alarm)



### Connector Part Information

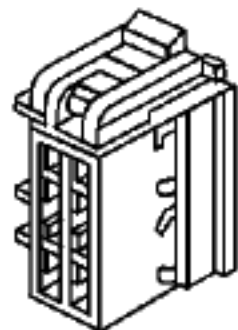
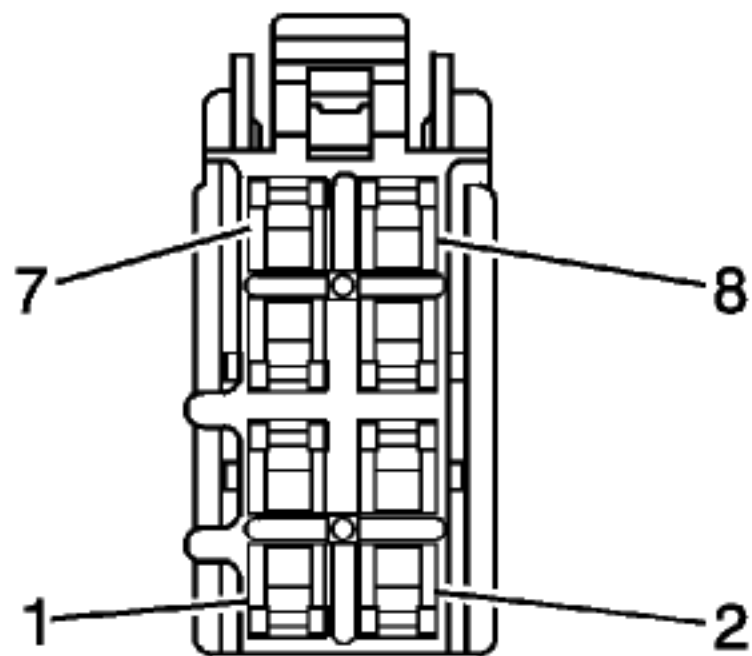
- Harness: Body
- OEM: 13516836
- Service: 19149294
- Description: 8-Way F GT 280 Series (OG)

### Terminal Part Information

- Pins: 1, 3, 5, 2, 4
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: Pins 1, 3, 5 - E/A
- Core/Insulation Crimp: Pins 2, 4 - 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X7 (JF4 )

Pin	Wire	Circuit	Function
1	0.5 GY	6206	Low Reference (JF4 with AN3)
2	1 YE	5129	Adjustable Pedals Relay Rearward Control (JF4)
3	0.5 TN	6207	5-Volt Reference (JF4 with AN3)
4	1 PU	5130	Adjustable Pedals Actuator Forward Control (JF4)
5	0.5 PK	5289	Adjustable Pedal Sensor Signal (JF4 with AN3)
6-8	-	-	Not Used



### Connector Part Information

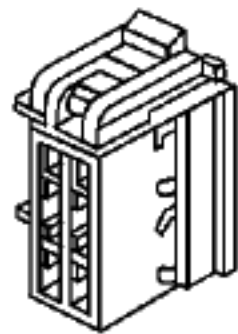
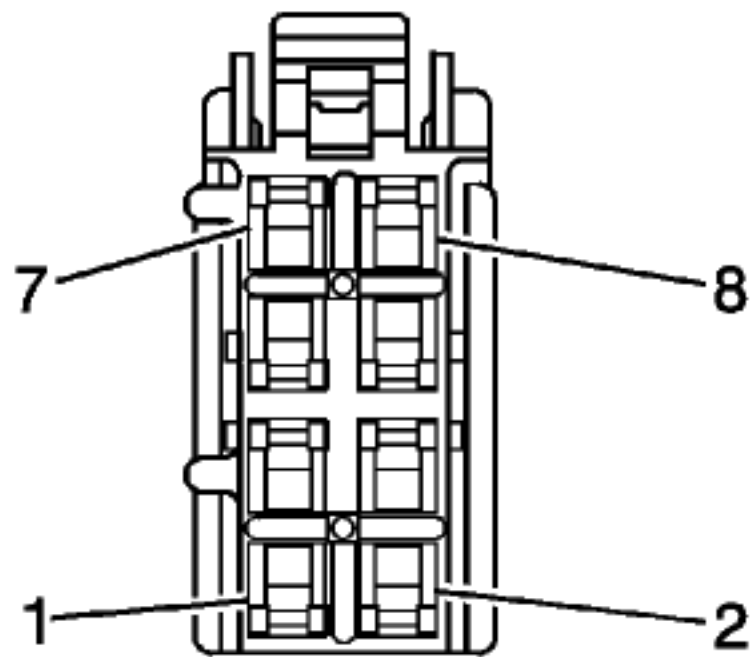
- Harness: Headliner
- OEM: 13516835
- Service: 19149293
- Description: 8-Way F GT 280 Series (GN)

### Terminal Part Information

- Pins: 3, 4, 5, 6, 7
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: Pins 3 - 2/A
- Core/Insulation Crimp: Pins 4, 5, 6, 7 - E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X8 (except MEX)

Pin	Wire	Circuit	Function
1-2	-	-	Not Used
3	1 BK	1050	Ground
4	0.35 YE	43	Accessory Voltage (A48)
5	0.35 PU	5234	Passenger Seat Belt Indicator (AL0)
6	0.35 D-BU	2307	Passenger Air Bag On Indicator Control (AL0 or C99)
7	0.35 D-GN/BK	2308	Passenger Air Bag Off Indicator Control (AL0 or C99)
8	-	-	Not Used



### Connector Part Information

- Harness: Headliner
- OEM: 13516831
- Service: 19149289
- Description: 8-Way F GT 280 Series (BK)

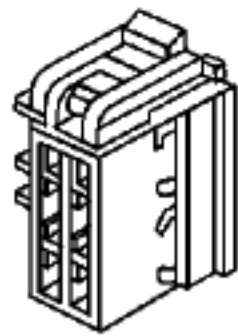
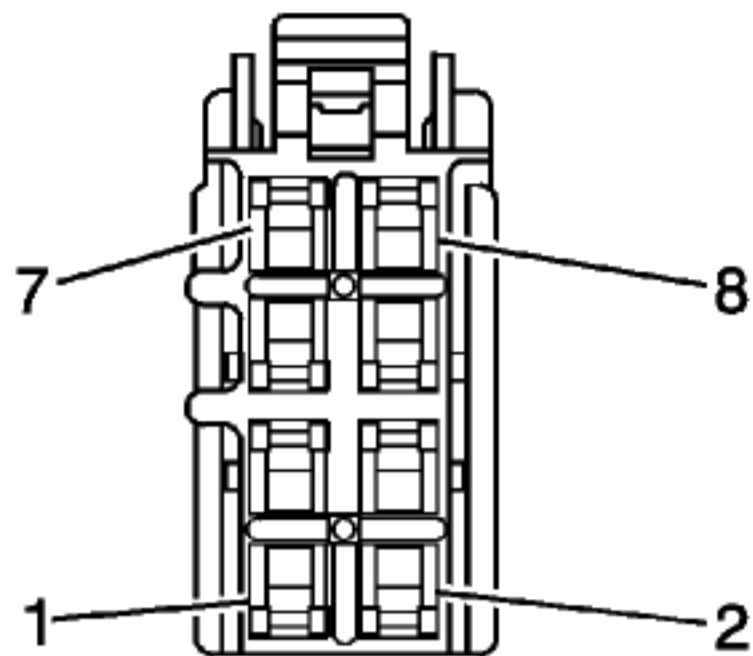
### Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X9 (except MEX)

Pin	Wire	Circuit	Function
1	0.35 PK	1639	Ignition 1 Voltage (DL3 with DD8 or DRC)
	0.35 PK	1639	Ignition 1 Voltage (YE9)
2	0.35 WH/BK	5515	Inside Air Temperature Sensor Assembly Control (CJ2)
3	0.5 OG	1054	Stop Lamp Supply Voltage Signal
4	0.35 D-GN	734	Inside Air Temperature Sensor Signal (CJ2)
5	0.35 PK	1139	Ignition 1 Voltage (AL0 or C99)
6	0.5 WH/BK	158	Courtesy Lamp Supply Voltage
7	0.35 D-GN	6101	Low Reference (CJ2)
8	0.5 GY	157	Courtesy Lamp Control
	0.5 GY	157	Courtesy Lamp Control (Extended Cab or Crew Cab)





### Connector Part Information

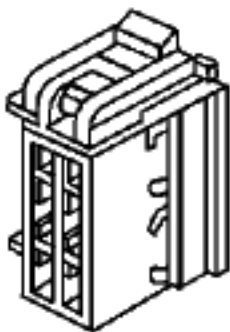
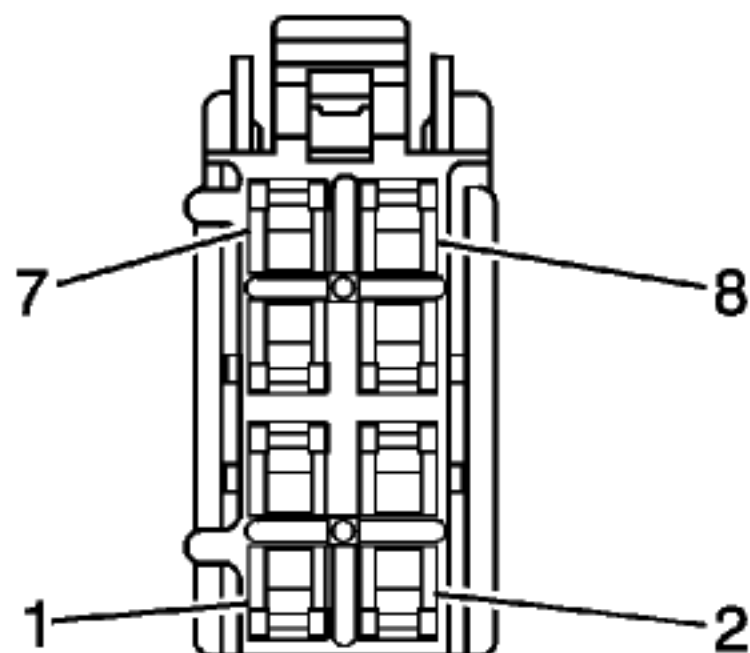
- Harness: Headliner
- OEM: 13516830
- Service: 19149291
- Description: 8-Way F GT 280 Series (GY)

### Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X10 (except MEX)

Pin	Wire	Circuit	Function
1	0.5 RD/WH	240	Battery Positive Voltage (TRW, 5Y0, 5X7 or UG1)
2	0.35 OG	6815	Inadvertent Power Control
	0.35 OG	6815	Inadvertent Power Control (Extended Cab or Crew Cab without YE9)
3	0.35 PK	1691	Low Reference (DL3 with DD8 or DRC)
4	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control
5	-	-	Not Used
6	0.35 D-GN	6134	Linear Interconnect Network Bus (YE9)
7	0.35 GY	1690	Automatic Day/Night Mirror Signal (DL3 with DD8 or DRC)
8	0.35 D-BU	38	Backup Lamp Relay Control (YE9)

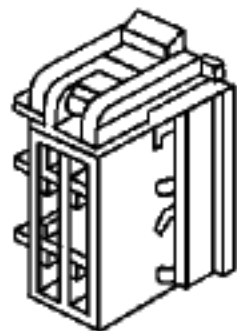
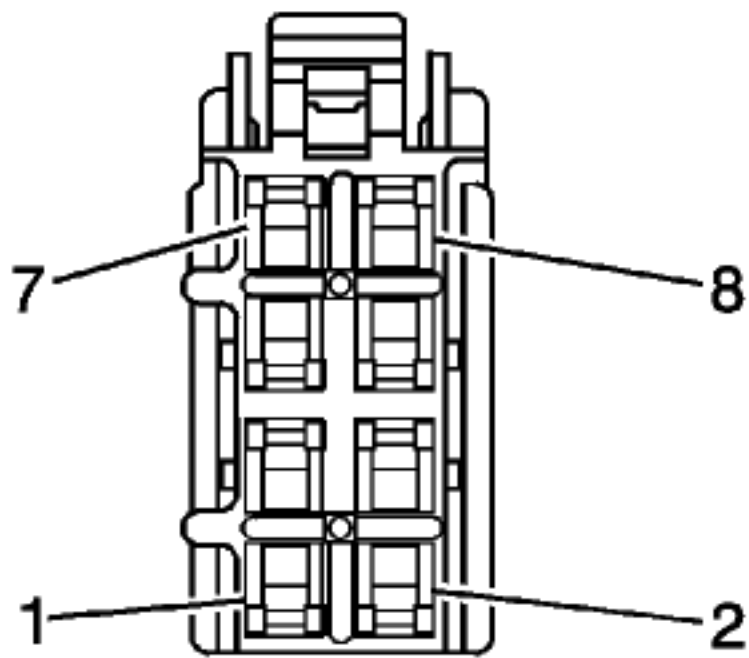


### Connector Part Information

- Harness: Body
- OEM: 13516833
- Service: 19115668
- Description: 8-Way F GT 280 Series (L-GY)

#### Junction Block - Left I/P X11 (except MEX)

Pin	Wire	Circuit	Function
1	3 RD/WH	1340	Battery Positive Voltage (Crew Cab with A31 or HP2, or Extended Cab with ABV)
2	3 RD/WH	1440	Battery Positive Voltage (AG2 or HP2)
3	-	-	Not Used
4	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (Crew Cab with A31 and Y91)
	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (Crew Cab with A31 and Y91)
5	0.35 D-BU	38	Backup Lamp Relay Control
6	0.35 PK	1139	Ignition 1 Voltage
7	0.8 RD/WH	4440	Battery Positive Voltage (except AL0 or HP2)
	0.5 RD/WH	4440	Battery Positive Voltage (AL0 or HP2)
	0.5 RD/WH	4440	Battery Positive Voltage (AL0 or HP2)
8	-	-	Not Used



### Connector Part Information

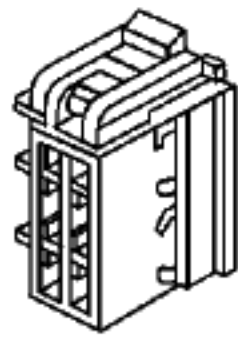
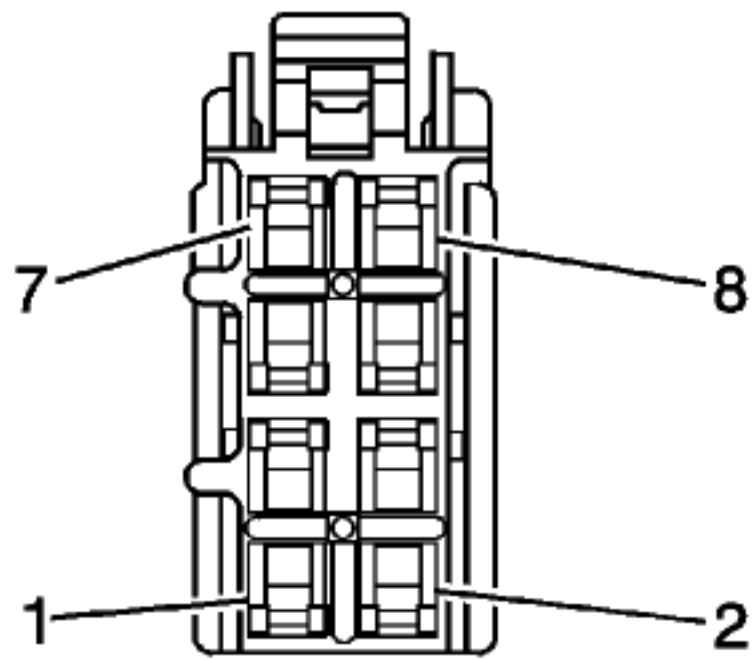
- Harness: Body
- OEM: 13516834
- Service: 19149292
- Description: 8-Way F GT 280 Series (BN)

### Terminal Part Information

- Pins: 1, 2, 8
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: 6
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: 76
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X12 (except MEX)

Pin	Wire	Circuit	Function
1	3 RD/WH	5040	Battery Positive Voltage (AG1 or HP2)
2	3 RD/WH	3440	Battery Positive Voltage (A48)
3-5	-	-	Not Used
6	1 WH/BK	158	Courtesy Lamp Supply Voltage
7	0.35 PK	239	Ignition Voltage (KB6 except SPO Rearview Camera)
	0.5 PK	1639	Ignition Voltage (KB6 with SPO Rearview Camera)
8	3 BK	2550	Ground



### Connector Part Information

- Harness: Body
- OEM: 13516832
- Service: 19149290
- Description: 8-Way F GT 280 Series (D-BU)

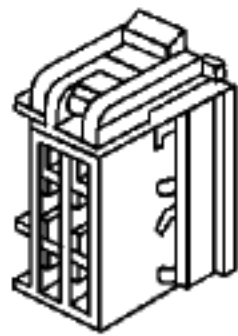
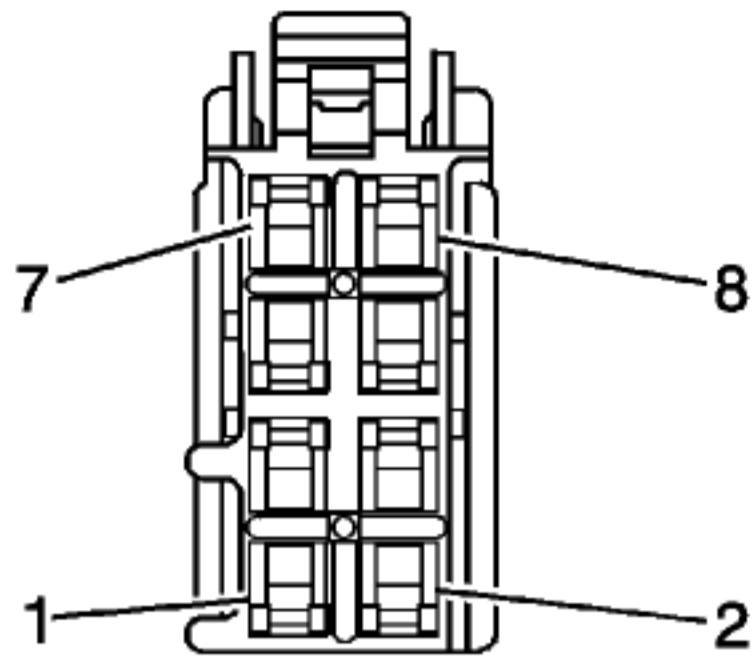
### Terminal Part Information

- Pins: 1, 2, 3, 4, 5, 6, 7, 8
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: Pins 1, 2 - 2/A
- Core/Insulation Crimp: Pins 3, 4, 5, 6, 7, 8 - E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X13 (AN3)

Pin	Wire	Circuit	Function
1	1 PU	5130	Adjustable Pedals Relay Forward Control
2	1 YE	5129	Adjustable Pedals Relay Rearward Control
3	0.35 PU	5286	Adjustable Pedals Relay Forward Control
4	0.35 OG/BK	5285	Adjustable Pedals Relay Rearward Control
5	0.5 TN	6207	Memory Sensor High Reference
6	0.5 PK	5289	Adjustable Pedal Sensor Signal
7	0.5 GY	6206	Low Reference
8	0.35 PU/WH	6205	12-Volt Reference





### Connector Part Information

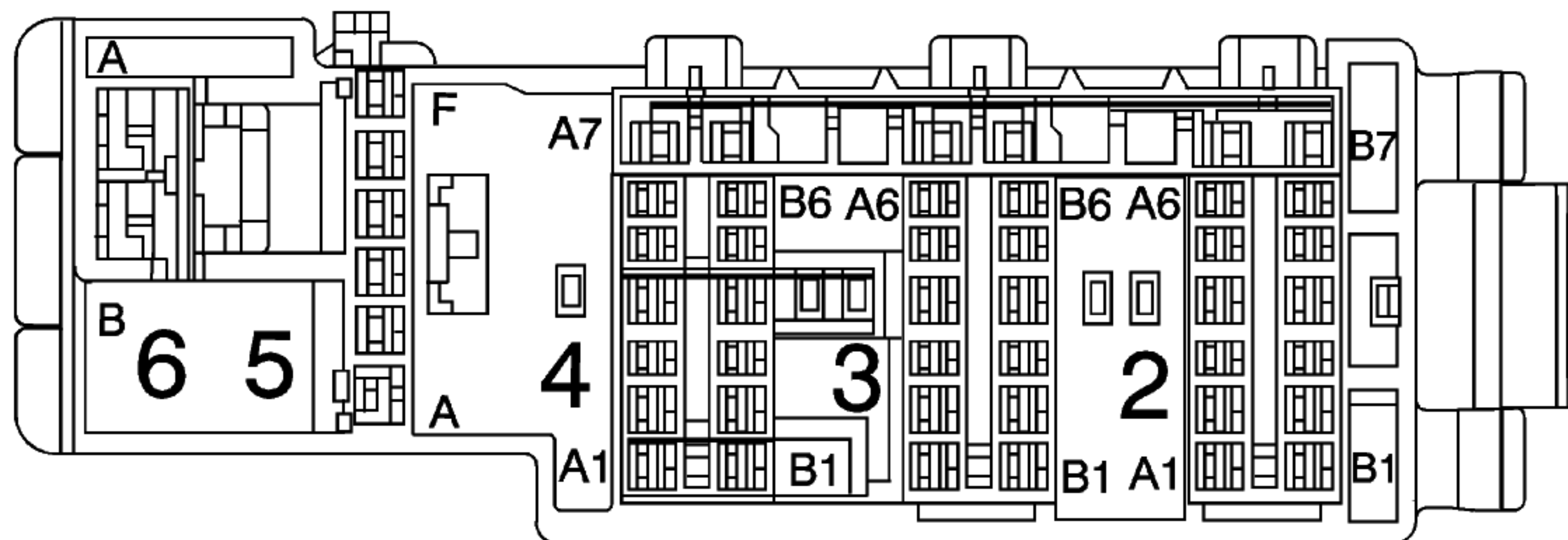
- Harness: Brake Clutch
- OEM: 13516837
- Service: 13504592
- Description: 8-Way F GT 280 Series (BK)

### Terminal Part Information

- Terminal/Tray: 15325970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Left I/P X14 (5X7, 5Y0, 9L4, SPO DVD or SPO Heated Seats)

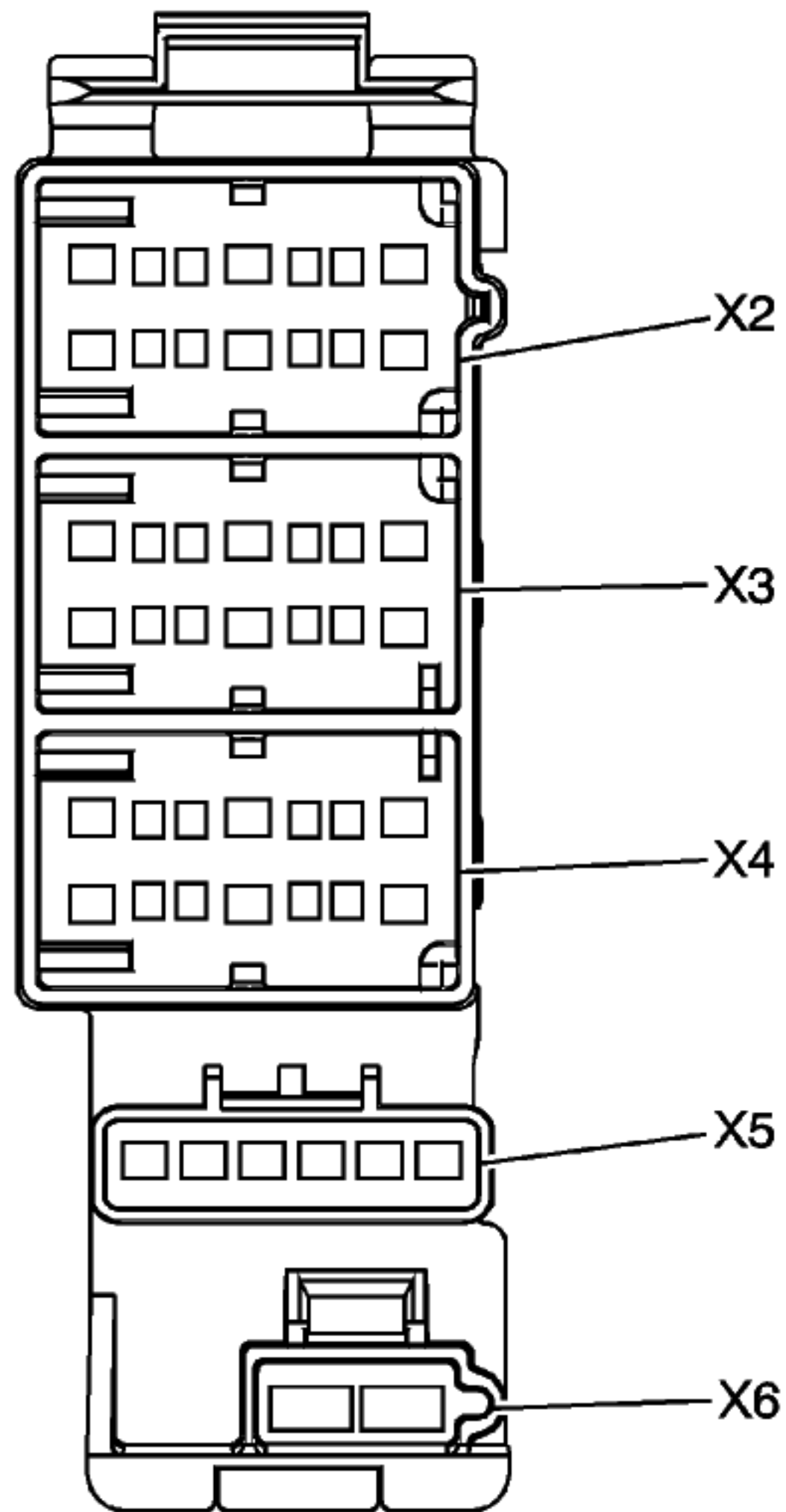
Pin	Wire	Circuit	Function
1	0.5 BK	1050	Ground (5Y0 or 5X7)
	BK	-	Ground (SPO DVD)
	2 BK	1050	Ground (SPO Heated Seats)
2-4	-	-	Not Used
5	3 RD/WH	2340	Battery Positive Voltage (5Y0)
	2 RD/WH	2340	Battery Positive Voltage (SPO Heated Seats)
6	-	-	Not Used
7	RD	-	Ignition Voltage (SPO DVD)
8	0.5 YE	43	Accessory Voltage (9L4)

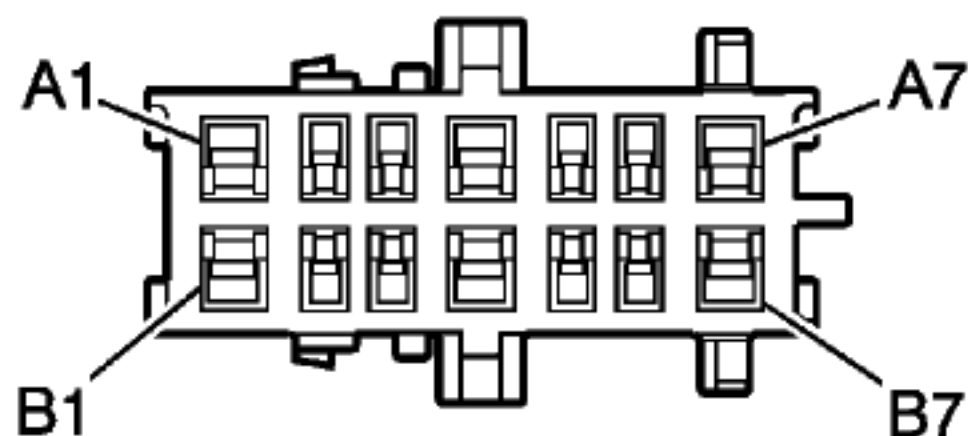
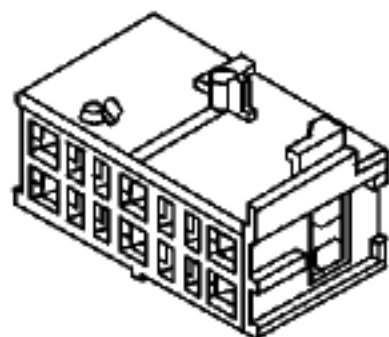


**Junction Block - Right I/P (Wire Entry)**

Pin	Wire	Circuit	Function
2A1	0.5 RD/WH	1540	Battery Positive Voltage (U42 or HP2)
2A2	0.35 TN	481	Outside Moisture Signal 1 (10 Series without MEX or 8S8)
2A3	0.35 L-GN	482	Outside Moisture Signal 2 (10 Series without MEX or 8S8)
2A4	0.35 WH	2283	Ignition Voltage (10 Series without MEX or 8S8)
	0.35 WH	2283	Ignition Voltage (NQH)
2A5-2A6	-	-	Not Used
2A7	3 BK	1050	Ground
2B1	3 RD/WH	3140	Battery Positive Voltage (except MEX)
2B2	0.5 BN	2509	Left Front Park Lamps Supply Voltage (except MEX or 8S8)
2B3	0.35 YE	43	Accessory Voltage (except MEX or 8S8)
2B4	0.5 BN/WH	230	Instrument Panel Lamp Dimming Control (except MEX or 8S8)
2B5	0.5 WH	5990	Emergency Lamp Switch Signal (5Y0 or 5X7 except MEX)
2B6	0.5 BK	1050	Ground (except MEX or 8S8)
2B7	0.35 OG	300	Ignition 3 Voltage (EXP with CF5)
3A1	0.8 D-GN	117	Right Front Speaker Output (-)
3A2	0.8 L-GN	200	Right Front Speaker Output (+)
3A3	0.35 BK	1850	Ground (except SLT)
3A4	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3, DPN or HP2)
	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3, DPN or HP2)
	0.35 L-BU	244	Passenger Door Lock Switch Lock Signal (AU3 without YE9)
3A5	0.35 TN/WH	746	Right Front Door Ajar Switch Signal (HP2 or except AN3 or DL3)
3A6	0.8 GY	295	Door Lock Actuator Lock Control (HP2 or AU3 without AN3 or DL3)
3A7	3 BK	1050	Ground
3B1	0.35 D-GN	5060	Low Speed GMLAN Serial Data (HP2 or YE9 with AN3 or DL3)
3B2	0.8 RD/WH	240	Battery Positive Voltage (YE9, Y91 or HP2)
3B3	0.8 TN	294	Door Lock Actuator Unlock Control (HP2 or AU3 without AN3 or DL3)
3B4	2 RD/WH	1340	Battery Positive Voltage (HP2 or A31)
	0.35 D-BU	245	Passenger Door Lock Switch Unlock Signal (AU3 without YE9)
3B5	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (HP2 or AU3)
3B6	-	-	Not Used
3B7	-	-	Ground Bus
4A1	0.35 GY	598	5-Volt Reference
4A2	0.35 TN	520	Lower Right Air Temperature Sensor Signal (CJ2)
	0.35 TN	552	Low Reference (C67)
4A3	0.35 TN	518	Lower Left Air Temperature Sensor Signal (CJ2)
4A4	0.35 YE	1791	Low Reference
4A5	0.35 PU	1838	Recirculation Door Position Signal (CJ2)
4A6	0.35 GY/BK	754	Blower Motor Speed Control
4A7	-	-	Ground Bus
4B1	-	-	5-Volt Reference Bus
4B2	0.35 D-BU	1199	Air Temperature Door Control (CJ2)
4B3	0.35 TN	2273	Mode Door Control

Pin	Wire	Circuit	Function
4B4	-	-	Low Reference Bus
4B5	0.35 YE/BK	713	Defrost/Heater Mode Valve Position Sensor Signal
4B6	0.35 L-BU	733	Air Temperature Door Position Signal (CJ2)
4B7	0.35 WH	2622	Evaporator Temperature Sensor Signal (except HP2)
5A	0.35 D-GN	6101	Low Reference (CJ2)
5B	0.35 PK	839	Ignition 1 Voltage
5C	0/35 PK	839	Ignition 1 Voltage
	0/35 PK	839	Ignition 1 Voltage
5D	0.35 D-BU	1646	Auxiliary Air Temperature Door Position Signal
5E	0.35 WH/BK	1236	Auxiliary Air Temperature Door Control
5F	0.35 D-GN	1614	Recirculation Door Control (MEX except C42 or except MEX)
6A	5 RD/BK	542	Battery Positive Voltage
6B	3 BK	1050	Ground
	3 BK	1050	Ground





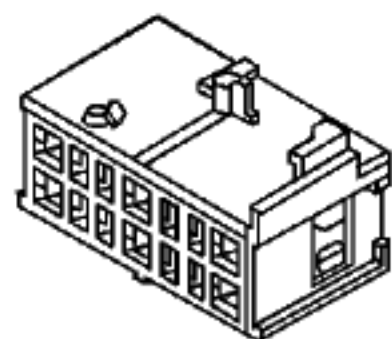
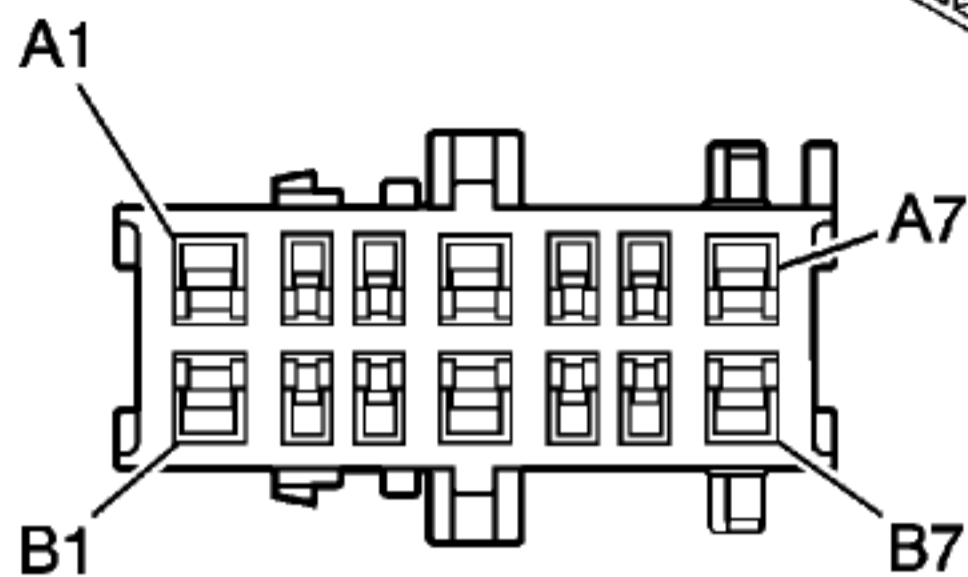
### Connector Part Information

- Harness: Right A-Pillar
- OEM: 15467621
- Service: 19115663
- Description: 14-Way F GT 150/280 Series (GY)

### Junction Block - Right I/P X2

Pin	Wire	Circuit	Function
A1	0.5 RD/WH	1540	Battery Positive Voltage (U42)
A2	0.35 TN	481	Outside Moisture Signal 1 (CE1)
A3	0.35 L-GN	482	Outside Moisture Signal 2 (CE1)
A4	0.35 WH	2283	Ignition Voltage (CE1)
A5-A6	-	-	Not Used
A7	3 BK	1050	Ground (CF5 or TRW)
	0.5 BK	1050	Ground (U01)
B1	3 RD/WH	3140	Battery Positive Voltage (CF5 or TRW)
B2	0.5 BN	2509	Left Front Park Lamps Supply Voltage (U01)
B3	0.35 YE	43	Accessory Voltage (CF5)
B4	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (CF5)
B5	0.5 WH	5990	Emergency Lamp Switch Signal (5Y0 or 5X7)
B6	0.35 BK	1050	Ground (CE1)
B7	-	-	Not Used



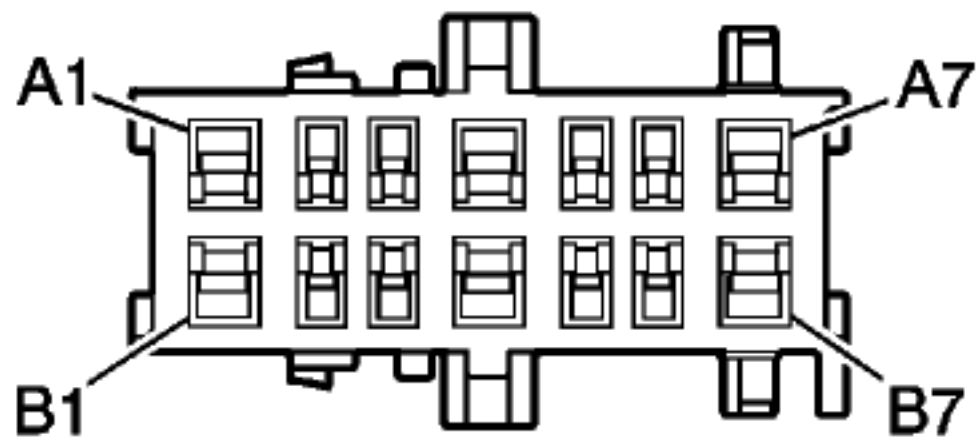
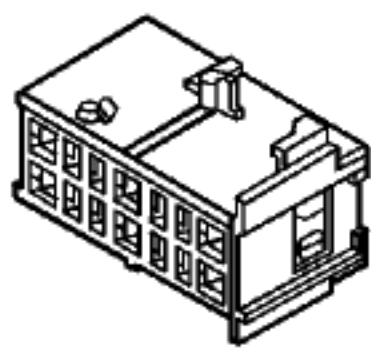


### Connector Part Information

- Harness: Right Front Door
- OEM: 15467622
- Service: 19115664
- Description: 14-Way F GT 150/280 Series (L-GY)

### Junction Block - Right I/P X3

Pin	Wire	Circuit	Function
A1	0.8 D-GN	117	Right Front Speaker Output (-) (UQA)
	0.5 D-GN	117	Right Front Speaker Output (-) (UQ3 or UQ5)
A2	0.8 L-GN	200	Right Front Speaker Output (+) (UQA)
	0.5 L-GN	200	Right Front Speaker Output (+) (UQ3 or UQ5)
A3	0.35 BK	1850	Ground (except AN3 or DL3)
A4	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3 or DPN)
	0.35 L-BU	244	Passenger Door Lock Switch Lock Signal (AU3 without YE9)
A5	0.35 TN/WH	746	Right Front Door Ajar Switch Signal (except AN3 or DL3)
A6	1 GY	295	Door Lock Actuator Lock Control (AU3 without AN3 or DL3)
A7	3 BK	1050	Ground (A31, AN3, DL3, DL8 or DPN)
B1	0.35 D-GN	5060	Low Speed GMLAN Serial Data (AN3 or DL3)
B2	0.8 RD/WH	240	Battery Positive Voltage (AN3 or DL3)
B3	1 TN	294	Door Lock Actuator Unlock Control (AU3 without AN3 or DL3)
B4	2 RD/WH	1340	Battery Positive Voltage (A31)
	0.35 D-BU	245	Passenger Door Lock Switch Unlock Signal (AU3 without YE9)
B5	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3 without AN3 or DL3)
B6-B7	-	-	Not Used

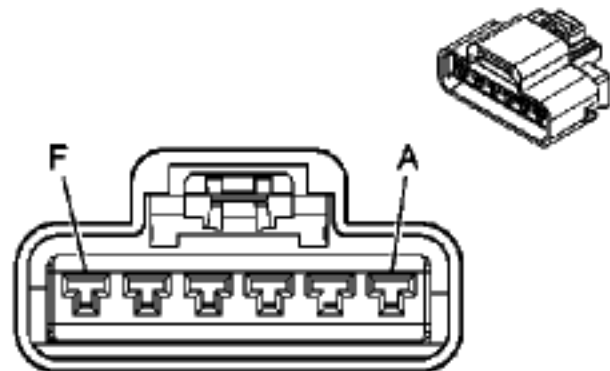


### Connector Part Information

- Harness: Front HVAC Module
- OEM: 15467620
- Service: 19115662
- Description: 14-Way F GT 150 280 Series (BK)

### Junction Block - Right I/P X4

Pin	Wire	Circuit	Function
A1	0.35 L-BU/BK	598	5-Volt Reference
	0.35 L-BU/BK	598	5-Volt Reference (C67 or CJ2)
A2	0.35 GY/BK	520	Lower Right Air Temperature Sensor Signal (CJ2)
	0.35 TN	552	Low Reference (C67)
A3	0.35 WH/BK	518	Lower Left Air Temperature Sensor Signal (CJ2)
A4	0.35 YE	1791	Low Reference
	0.35 YE	1791	Low Reference (C67 or CJ2)
A5	0.35 PU	1838	Recirculation Door Position Signal (CJ2)
A6	0.35 PU/WH	754	Blower Motor Speed Control
A7	-	-	Not Used
B1	0.35 L-BU/BK	598	5-Volt Reference
	0.35 L-BU/BK	598	5-Volt Reference (CJ2)
B2	0.35 D-BU	1199	Left Air Temperature Door Control (CJ2)
B3	0.35 TN	2273	Mode Door Control
B4	0.35 YE	1791	Low Reference
	0.35 YE	1791	Low Reference (CJ2)
B5	0.35 L-GN	713	Mode Door Position Signal
B6	0.35 L-BU	733	Left Air Temperature Door Position Signal (CJ2)
B7	0.35 WH	2622	Evaporator Temperature Sensor Signal (except HP2)



## Connector Part Information

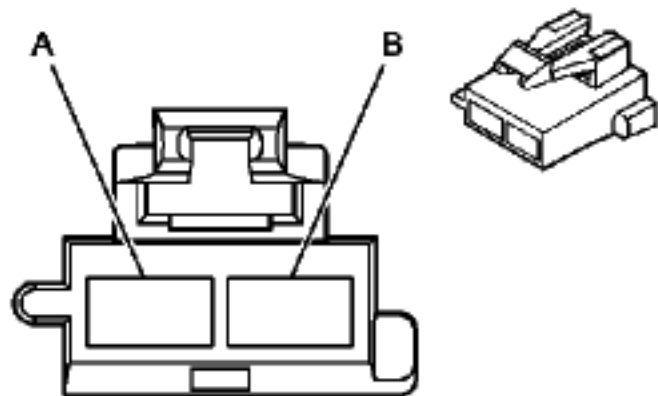
- Harness: Front HVAC Module
- OEM: 15326900
- Service: 19180278
- Description: 6-Way F GT 280 Series (BK)

## Terminal Part Information

- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: Pins A-C: 2/A
- Core/Insulation Crimp: Pins D-F: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

## Junction Block - Right I/P X5

Pin	Wire	Circuit	Function
A	0.35 BN	6101	Low Reference (CJ2)
B	0.35 BN	839	Ignition 1 Voltage
	0.35 BN	839	Ignition 1 Voltage (C67 or CJ2)
C	0.35 BN	839	Ignition 1 Voltage
	0.35 BN	839	Ignition 1 Voltage (CJ2)
D	0.35 D-BU	1646	Right Air Temperature Door Position Signal
E	0.35 WH/BK	1236	Right Air Temperature Door Control
F	0.35 D-GN	1614	Recirculation Door Control (C67 or CJ2)



### Connector Part Information

- Harness: Front HVAC Module
- OEM: 12129939
- Service: 1219939
- Description: 2-Way F Metri-Pack 630 Series (BK)

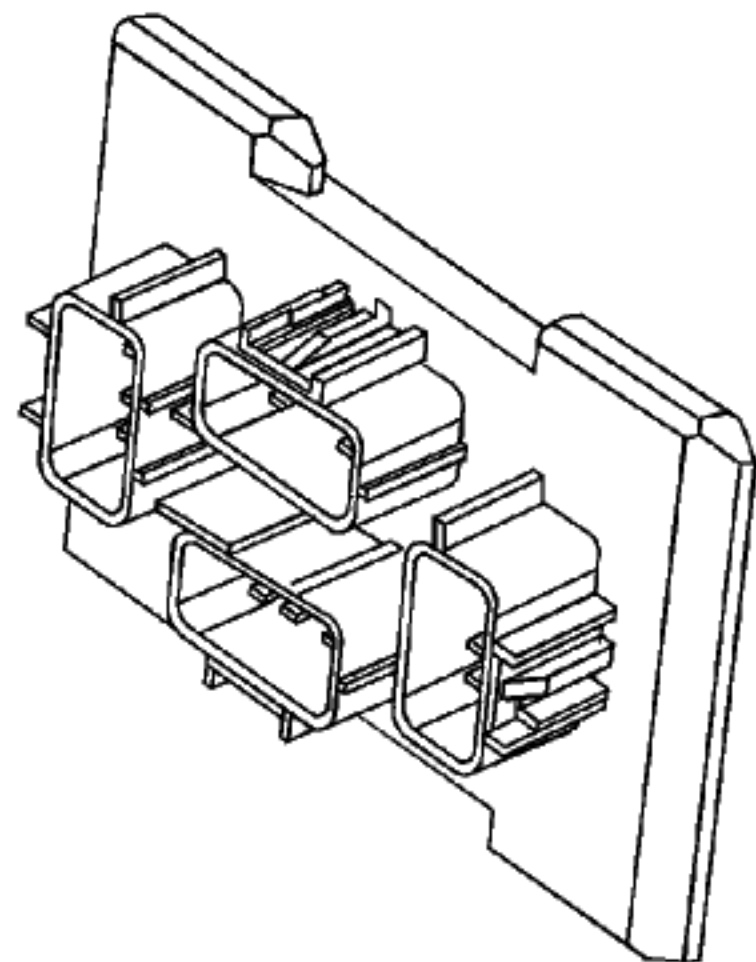
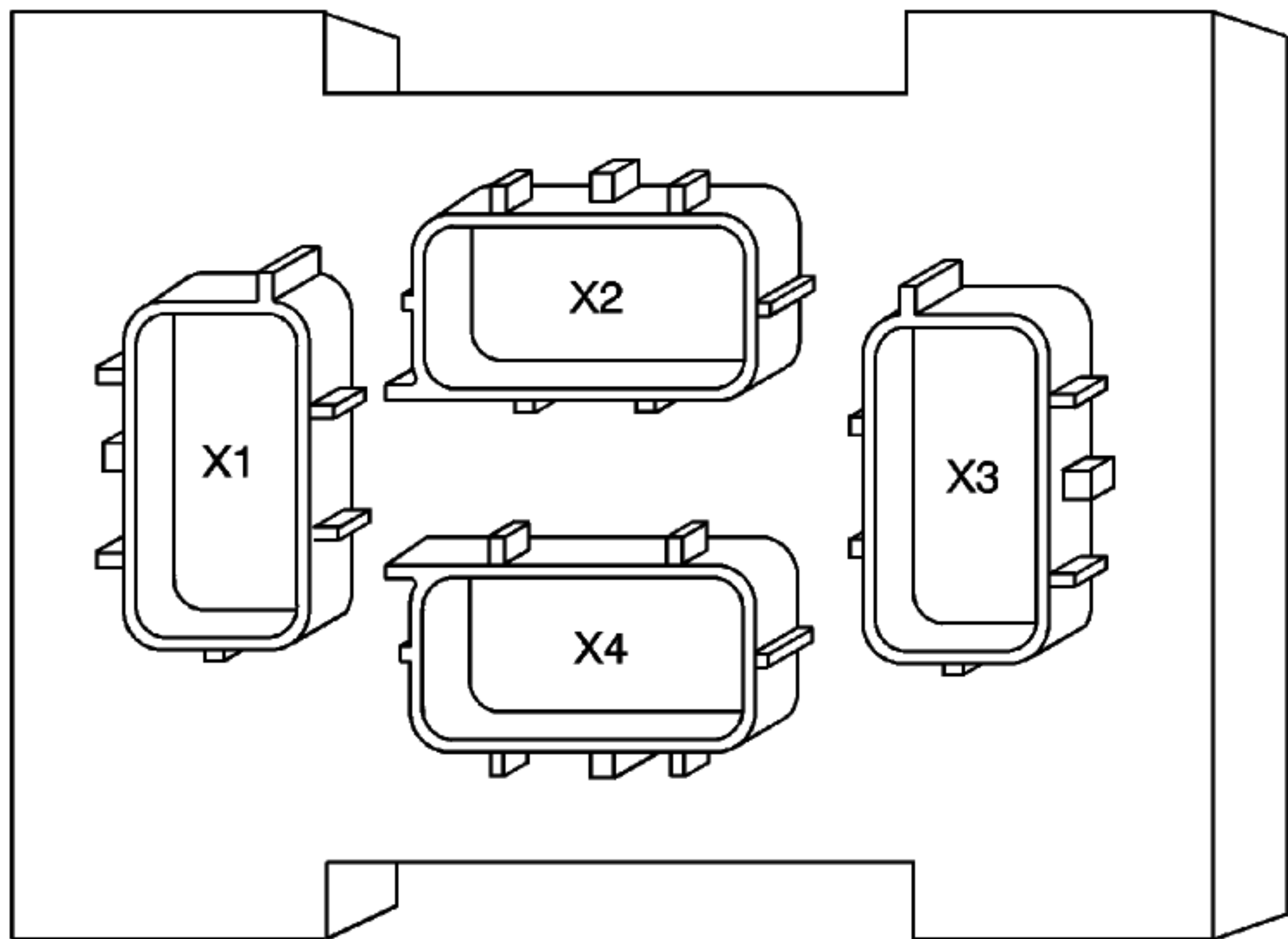
### Terminal Part Information

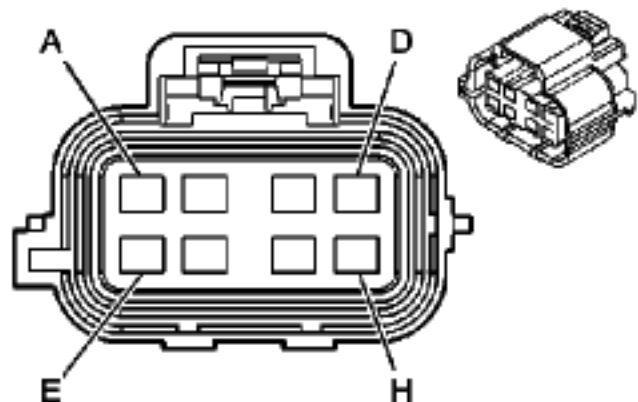
- Terminal/Tray: 12084590/3
- Core/Insulation Crimp: F/G
- Release Tool/Test Probe: 12094430/J-35616-42 (RD)

### Junction Block - Right I/P X6

Pin	Wire	Circuit	Function
A	3 RD	542	Battery Positive Voltage
B	3 BK	1050	Ground







### Connector Part Information

- Harness: Chassis
- OEM: 15317304
- Service: 19167008
- Description: 8-Way F GT 280 Sealed (BU)

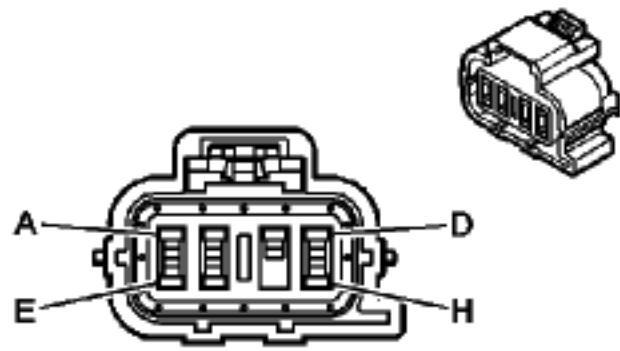
### Terminal Part Information

- Pins: A, C, D, G, H
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- Pins: B, E
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Rear Lamps X1

Pin	Wire	Circuit	Function
A	0.8 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
B	2 BK	2150	Ground
C	0.8 L-GN	24	Backup Lamp Supply Voltage
D	0.8 BN	2609	Right Rear Park Lamps Supply Voltage
E	2 BK	1750	Ground (except MEX)
	3 BK	1750	Ground (MEX)
F	-	-	Not Used
G	0.8 BN	2509	Left Rear Park Lamps Supply Voltage
H	0.8 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage



### Connector Part Information

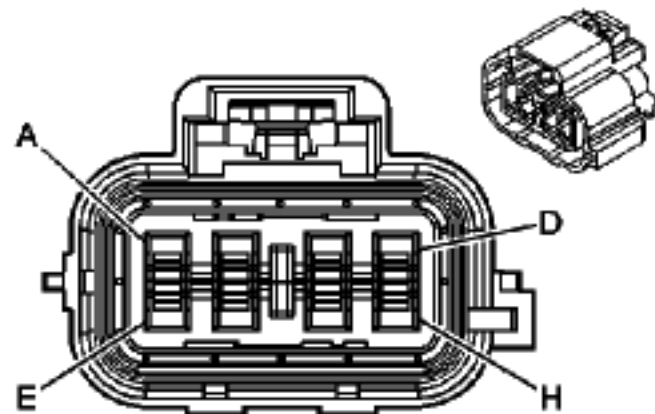
- Harness: Rear Bumper
- OEM: 15317305
- Service: 15306338
- Description: 8-Way F GT 280 Sealed (GY)

### Terminal Part Information

- Pins: A, C, D, G, H
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: B, E
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Rear Lamps X2

Pin	Wire	Circuit	Function
A-B	-	-	Not Used
C	0.8 BK	1750	Ground
D	-	-	Not Used
E	0.8 BN	2509	Left Rear Park Lamps Supply Voltage
F	0.8 L-GN	24	Backup Lamp Supply Voltage
G	-	-	Not Used
H	0.8 YE	18	Left Rear Stop/Turn Lamp Supply Voltage



### Connector Part Information

- Harness: Rear Bumper
- OEM: 15317308
- Service: 15306135
- Description: 8-Way F GT 280 Sealed 5.2 (BN)

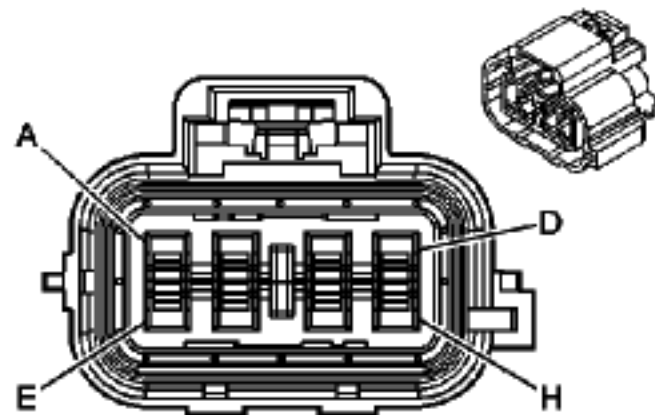
### Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Rear Lamps X3

Pin	Wire	Circuit	Function
A	0.5 BN	2609	Right Rear Park Lamps Supply Voltage
B	0.5 BN	2609	Right Rear Park Lamps Supply Voltage (R05)
C	0.5 BK	1750	Ground (R05)
D	0.5 BK	1750	Ground (R05)
E	0.5 BK	1750	Ground
F	0.5 BN	2509	Left Rear Park Lamps Supply Voltage (R05)
G	0.5 BN	2509	Left Rear Park Lamps Supply Voltage
H	0.5 BK	1750	Ground





### Connector Part Information

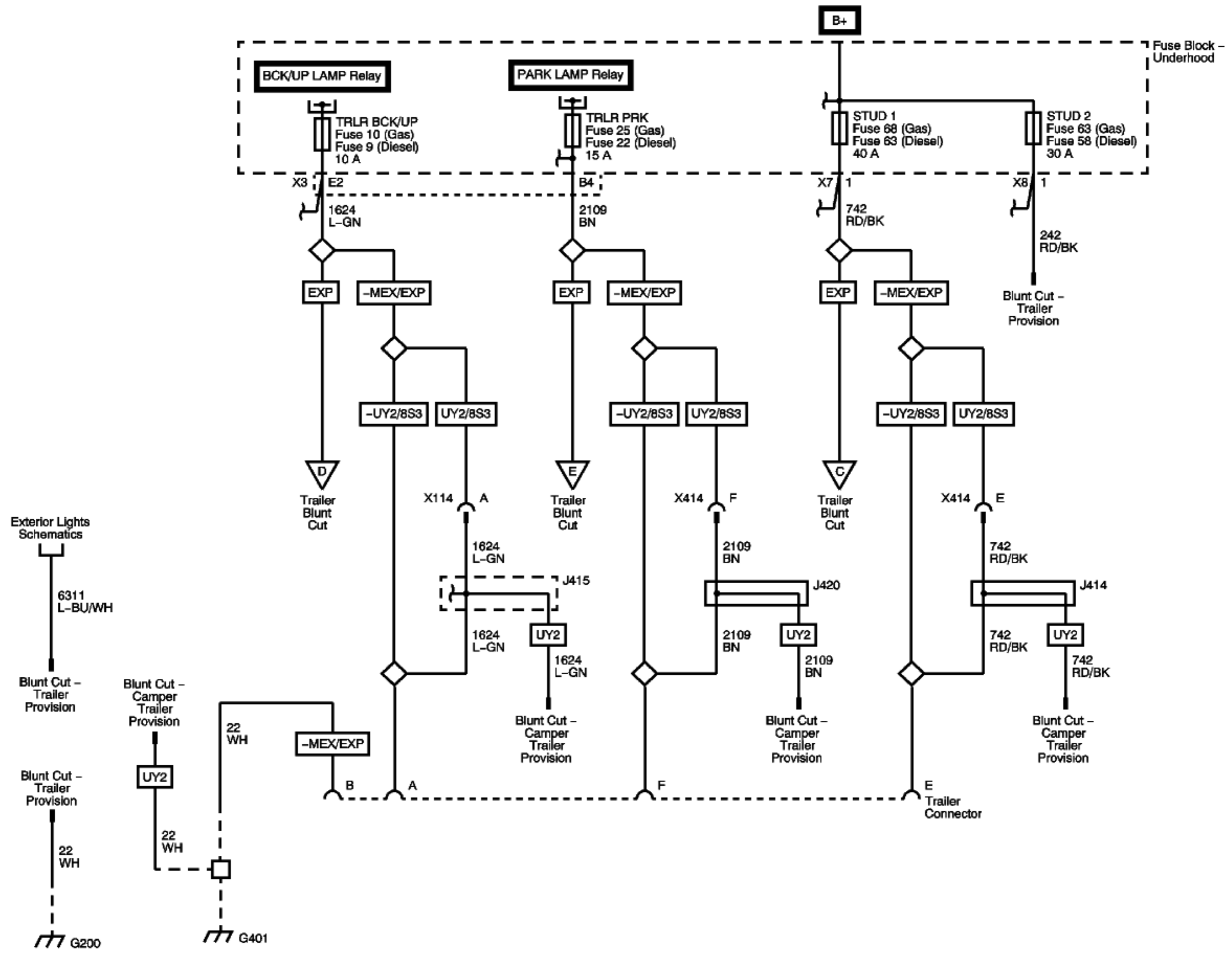
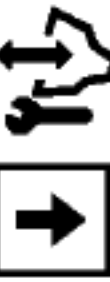
- Harness: Rear Bumper
- OEM: 15317306
- Service: 15306339
- Description: 8-Way F GT 280 Sealed 5.2 (BK)

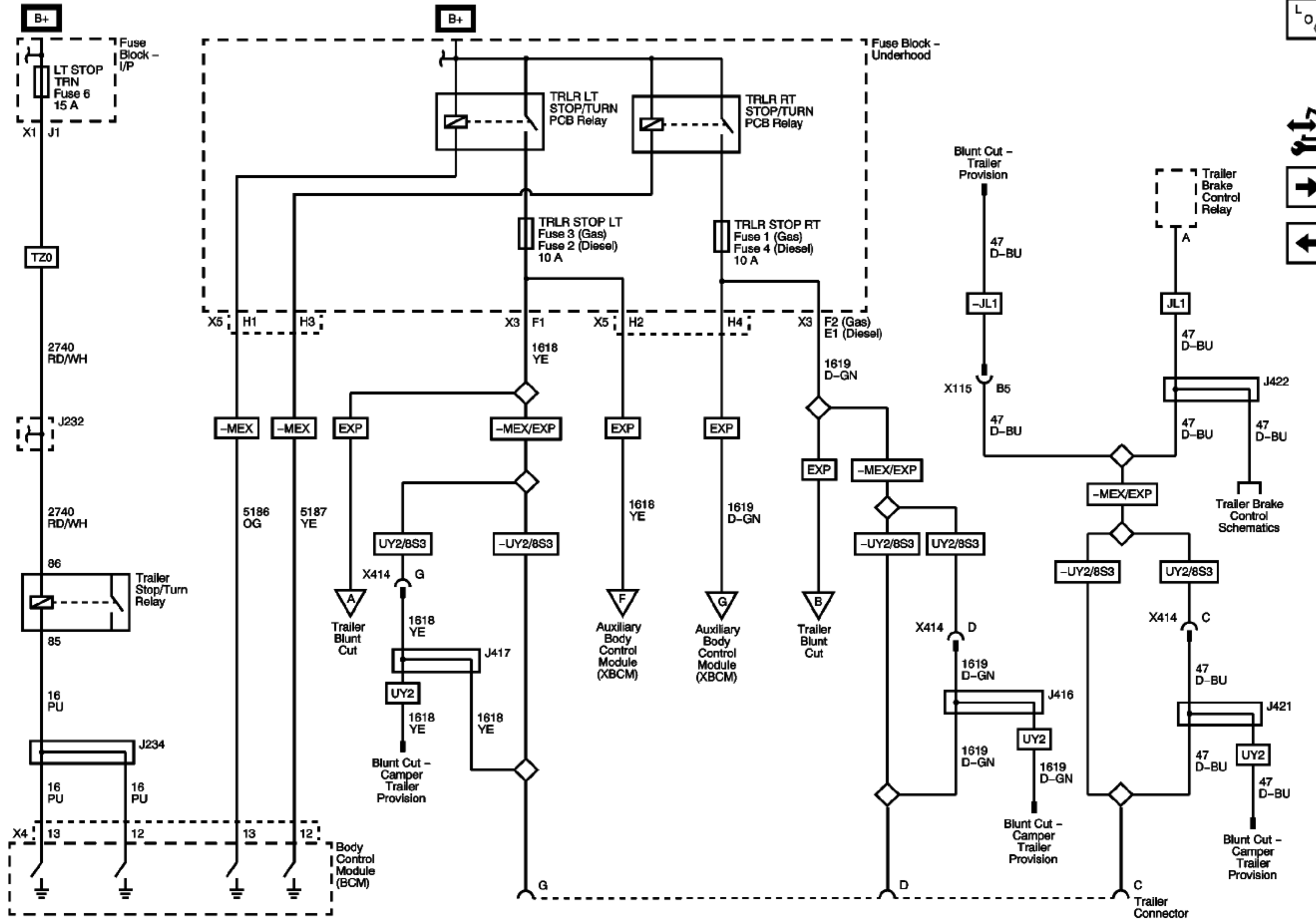
### Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

### Junction Block - Rear Lamps X4

Pin	Wire	Circuit	Function
A	0.8 BK	2150	Ground
B	0.8 BN	2609	Right Rear Park Lamps Supply Voltage
C-D	-	-	Not Used
E	0.8 L-GN	24	Backup Lamp Supply Voltage
F	0.8 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
G-H	-	-	Not Used



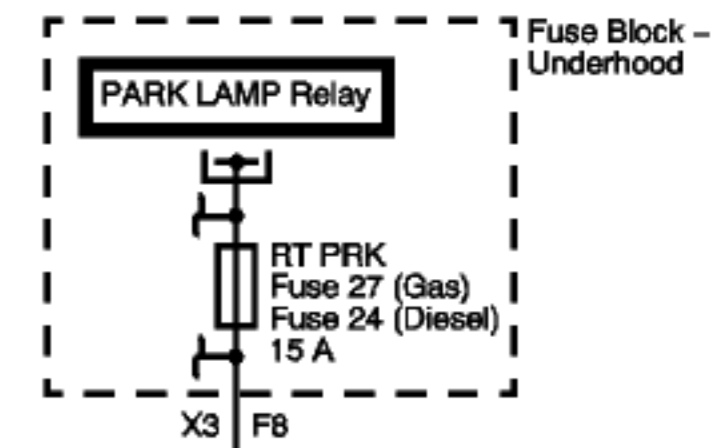
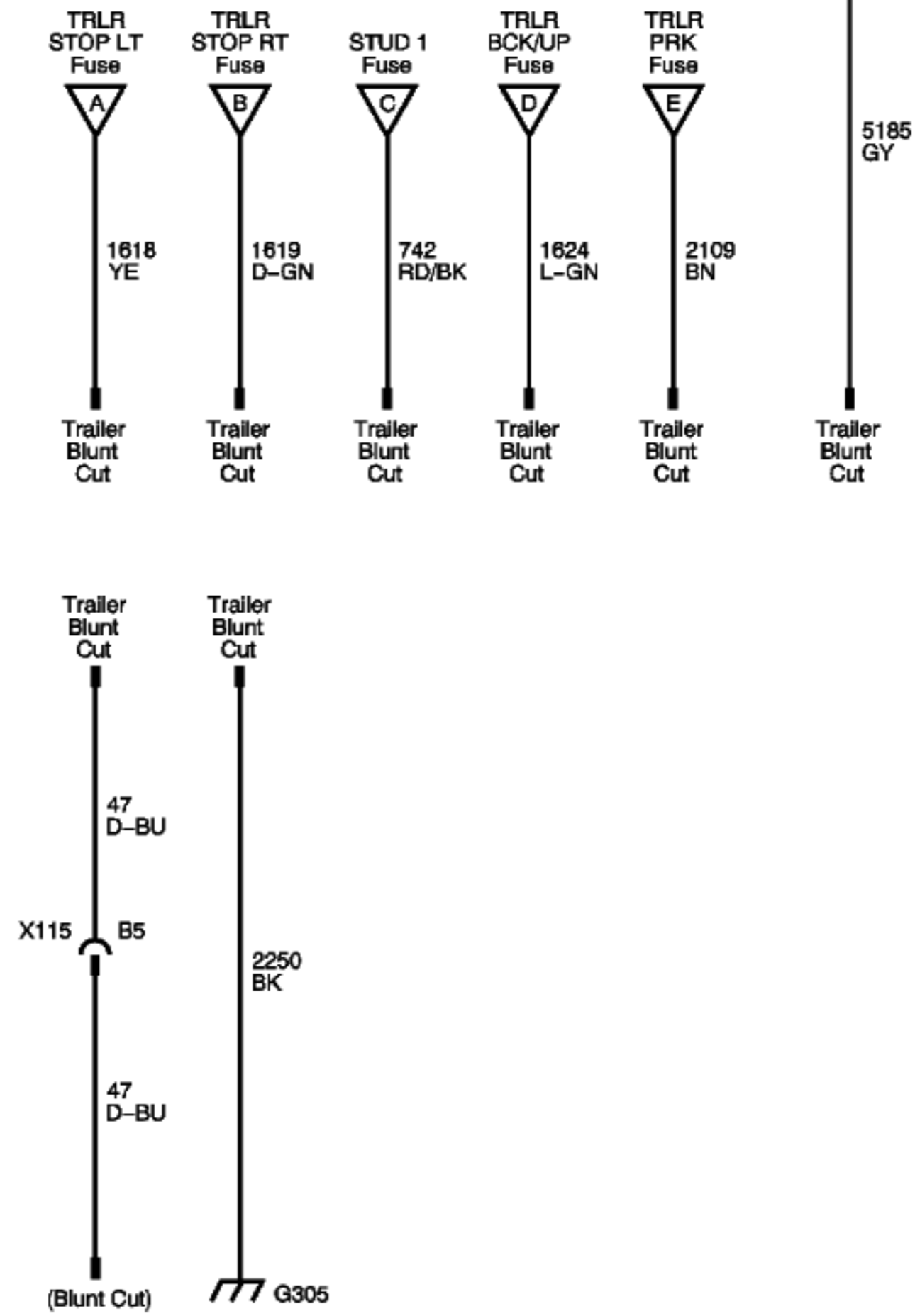
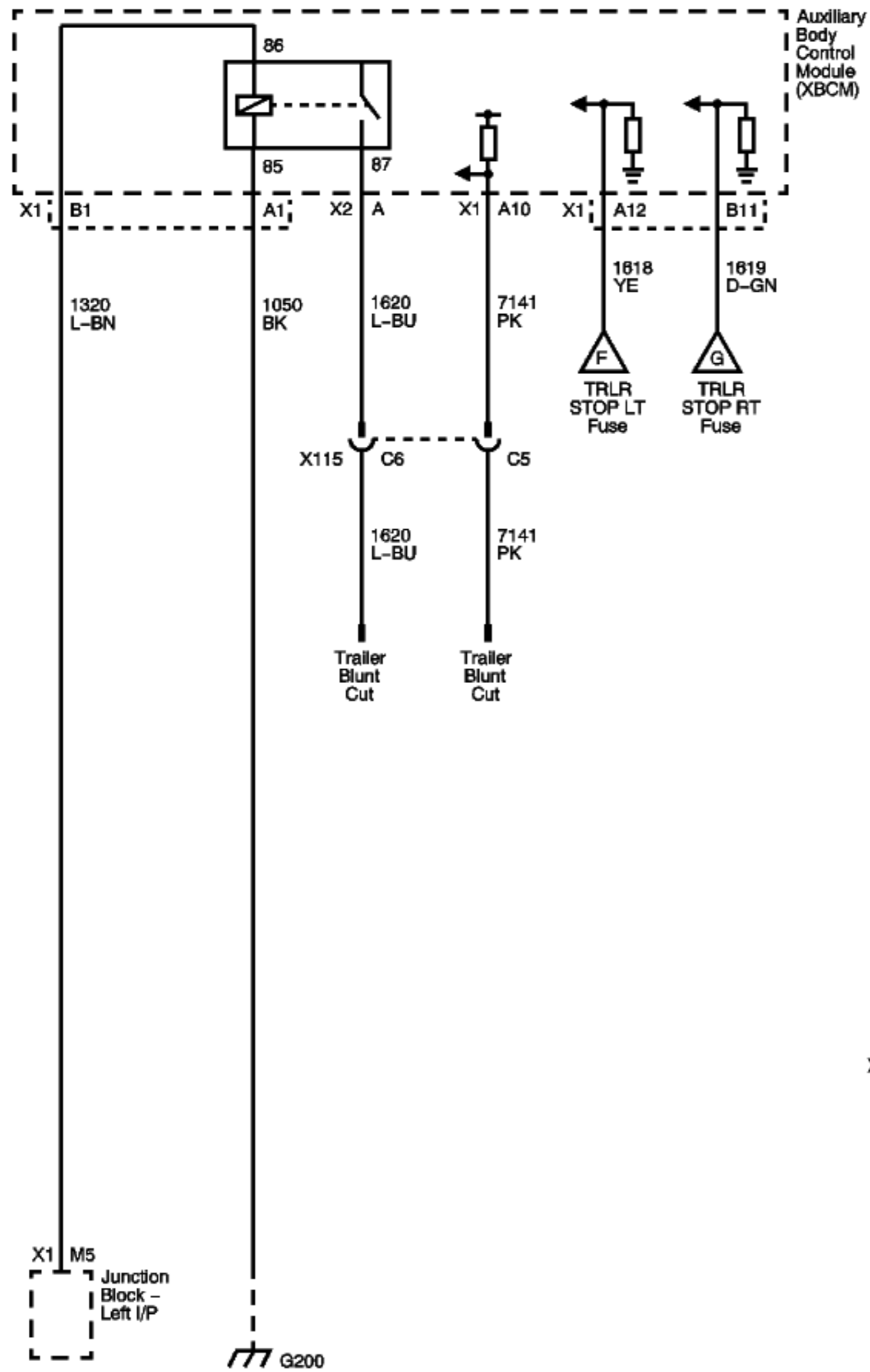


L O C



Trailer Brake Control Schematics

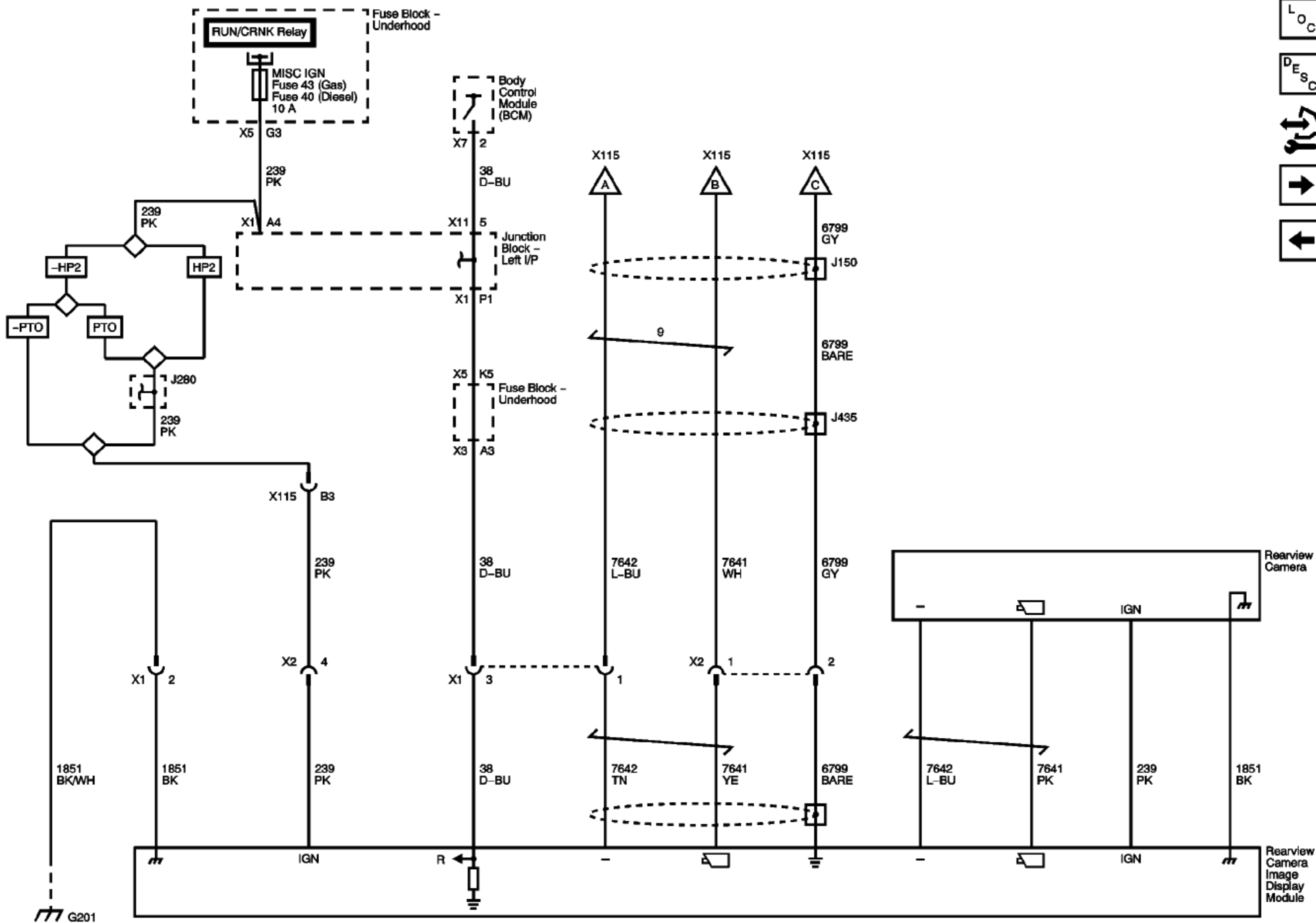
Trailer Connector

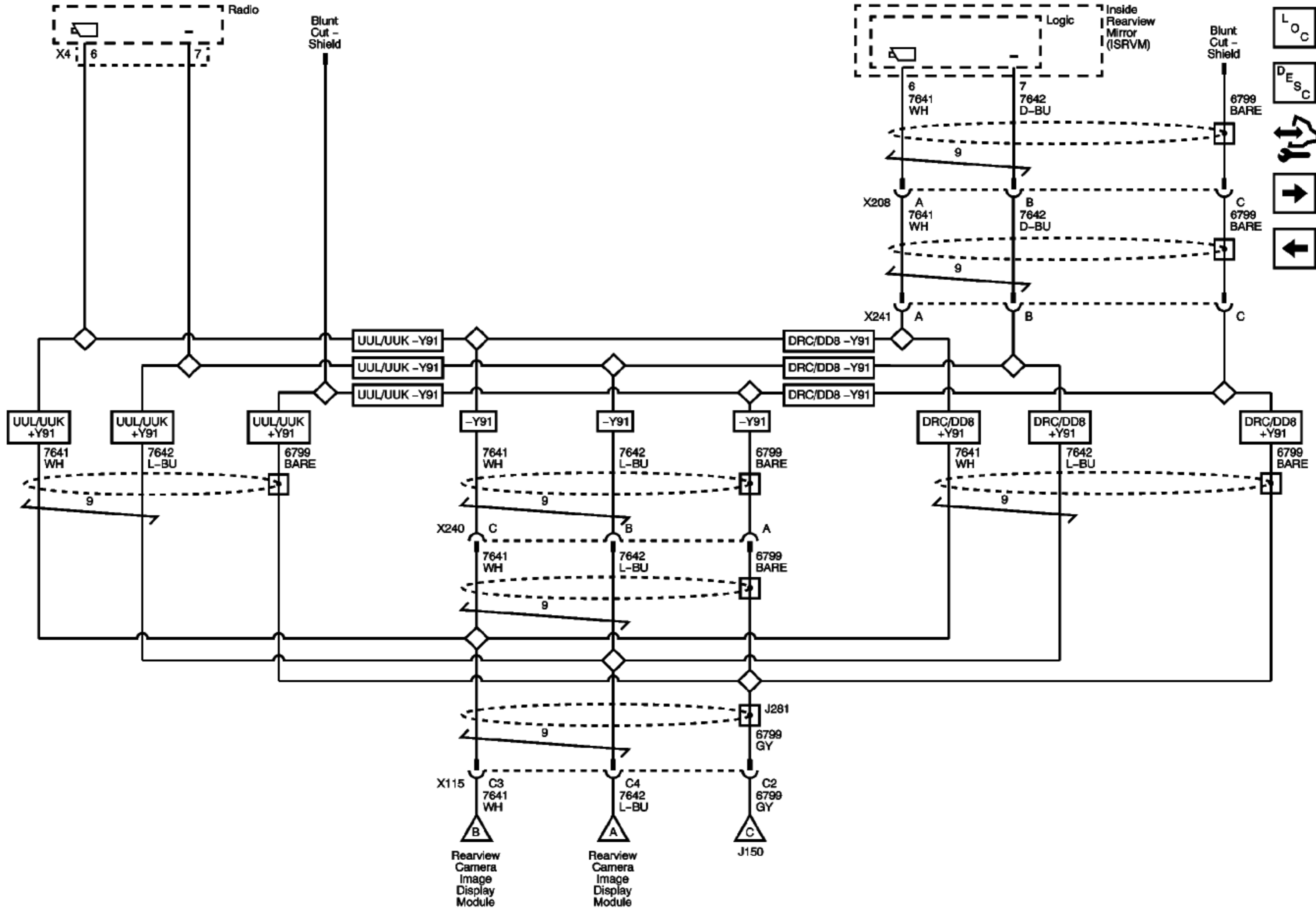


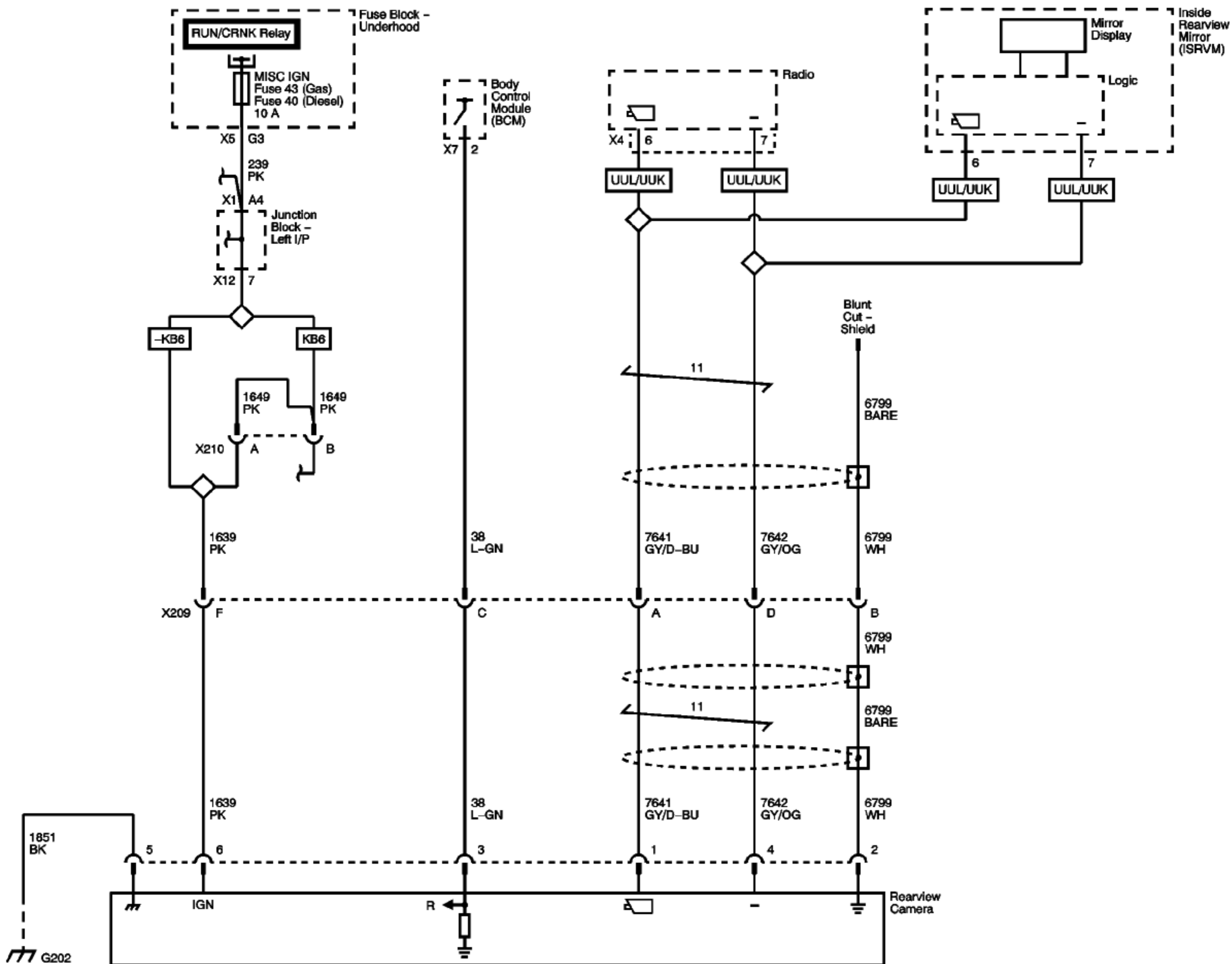
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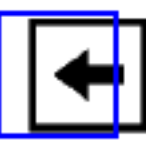
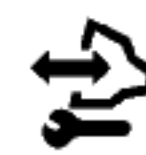
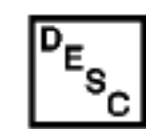
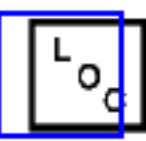
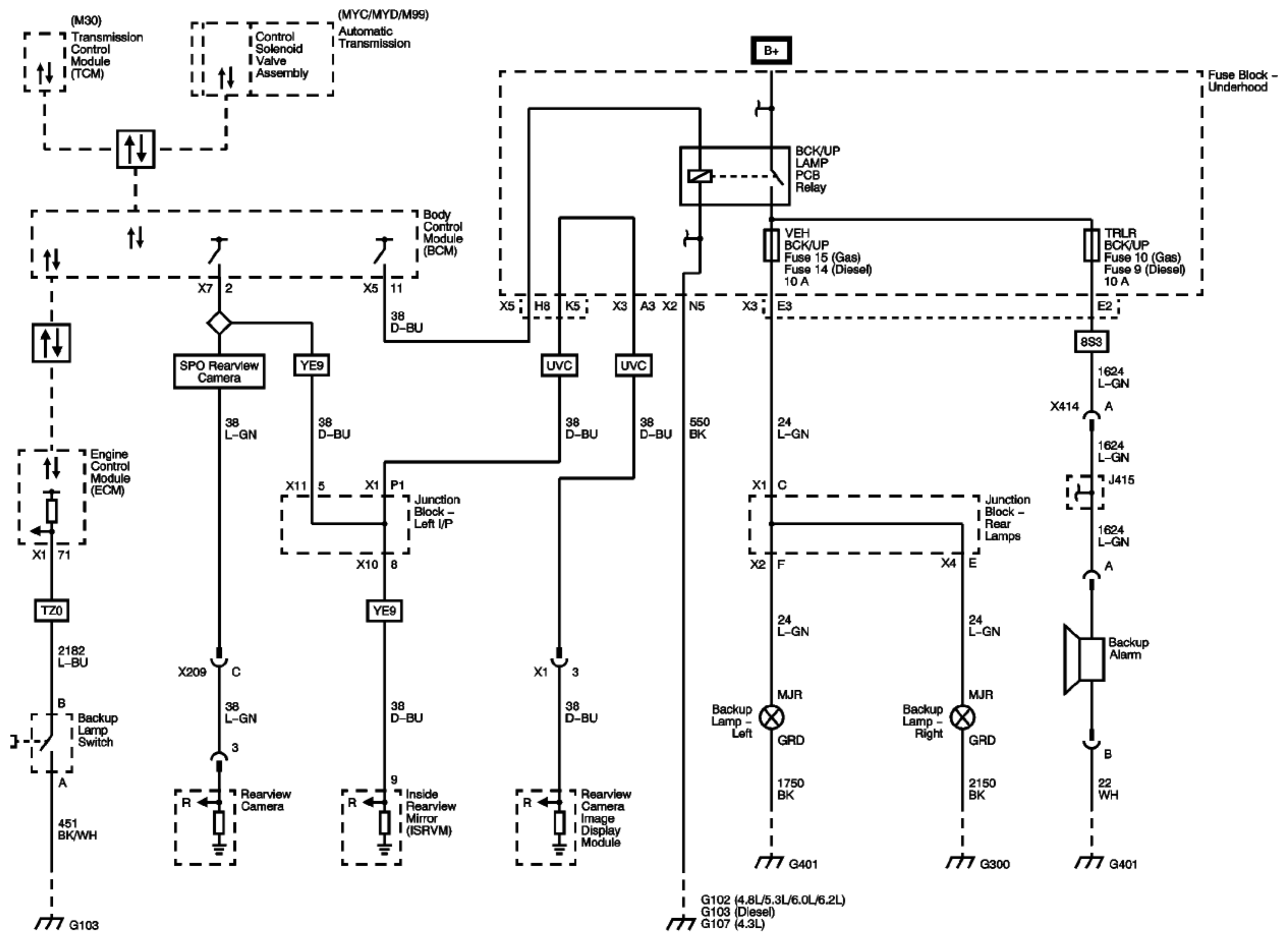


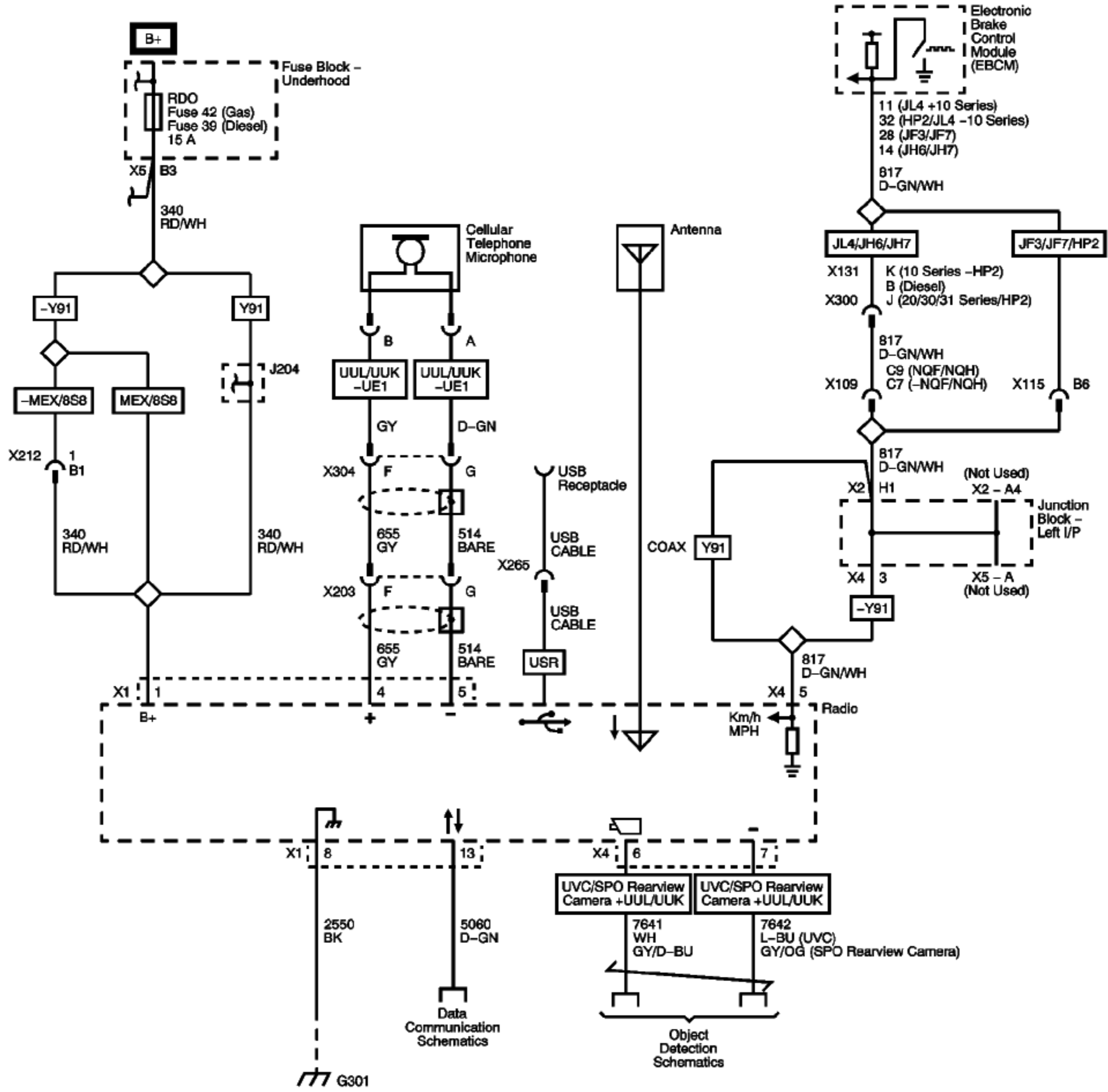


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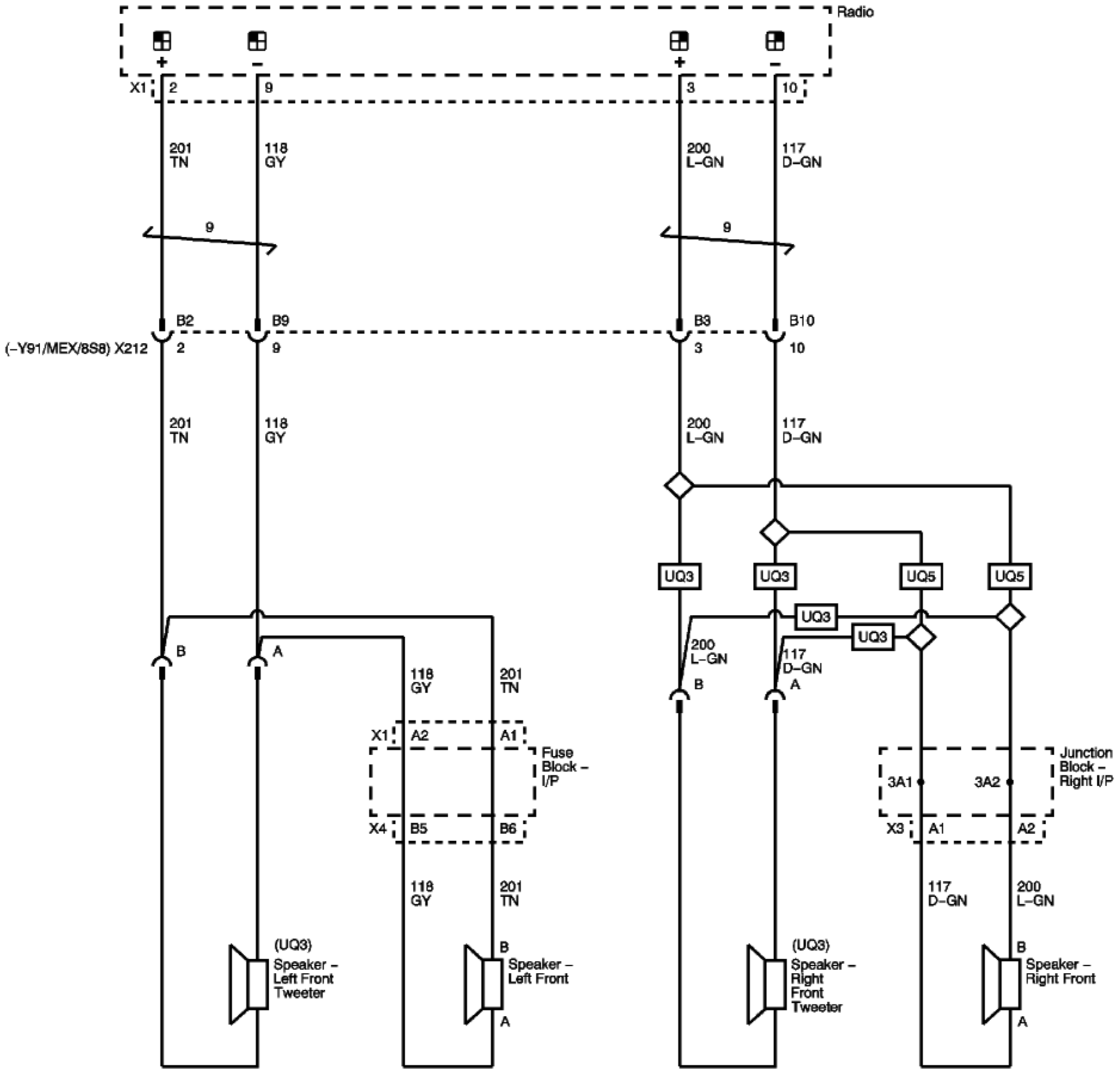
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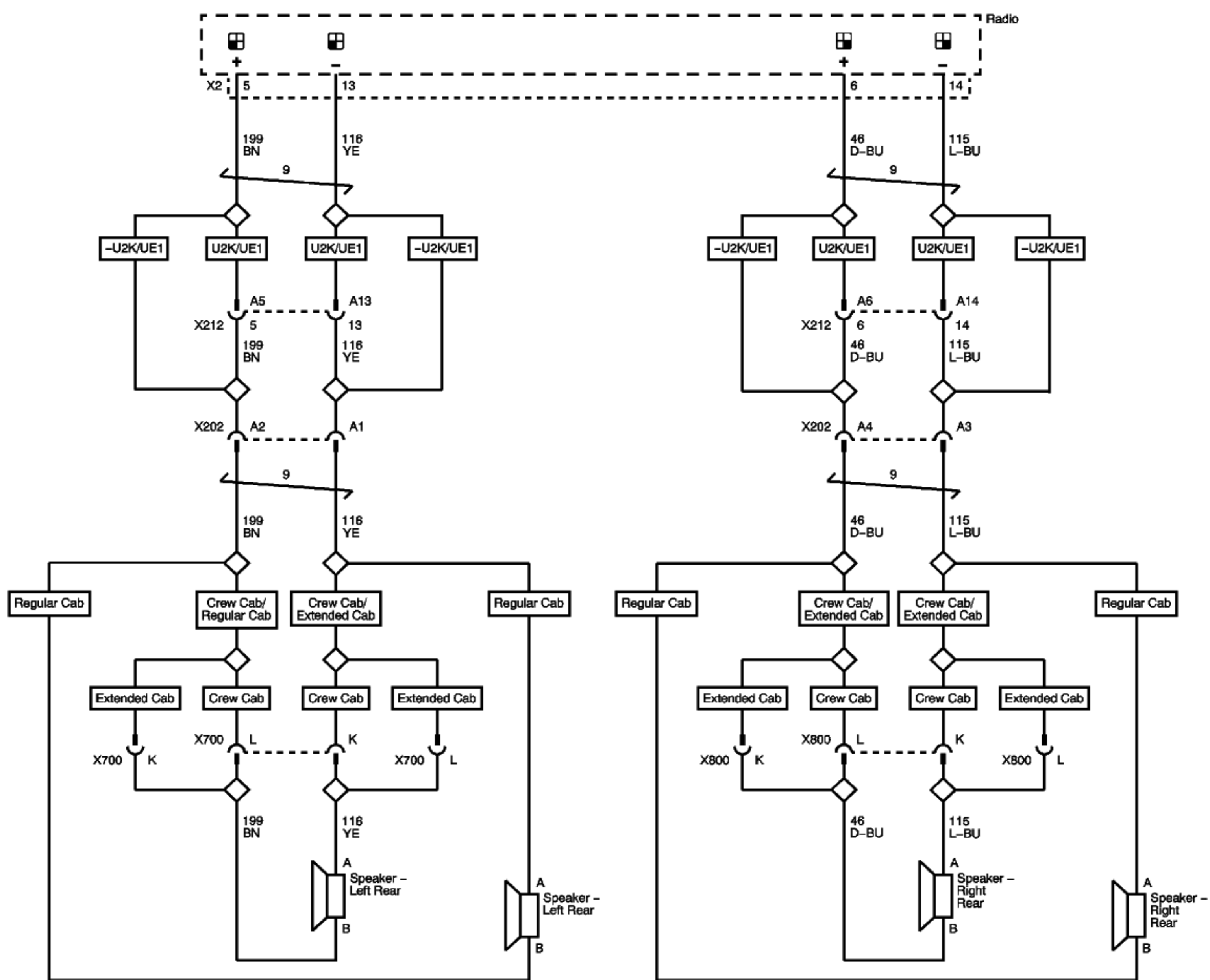








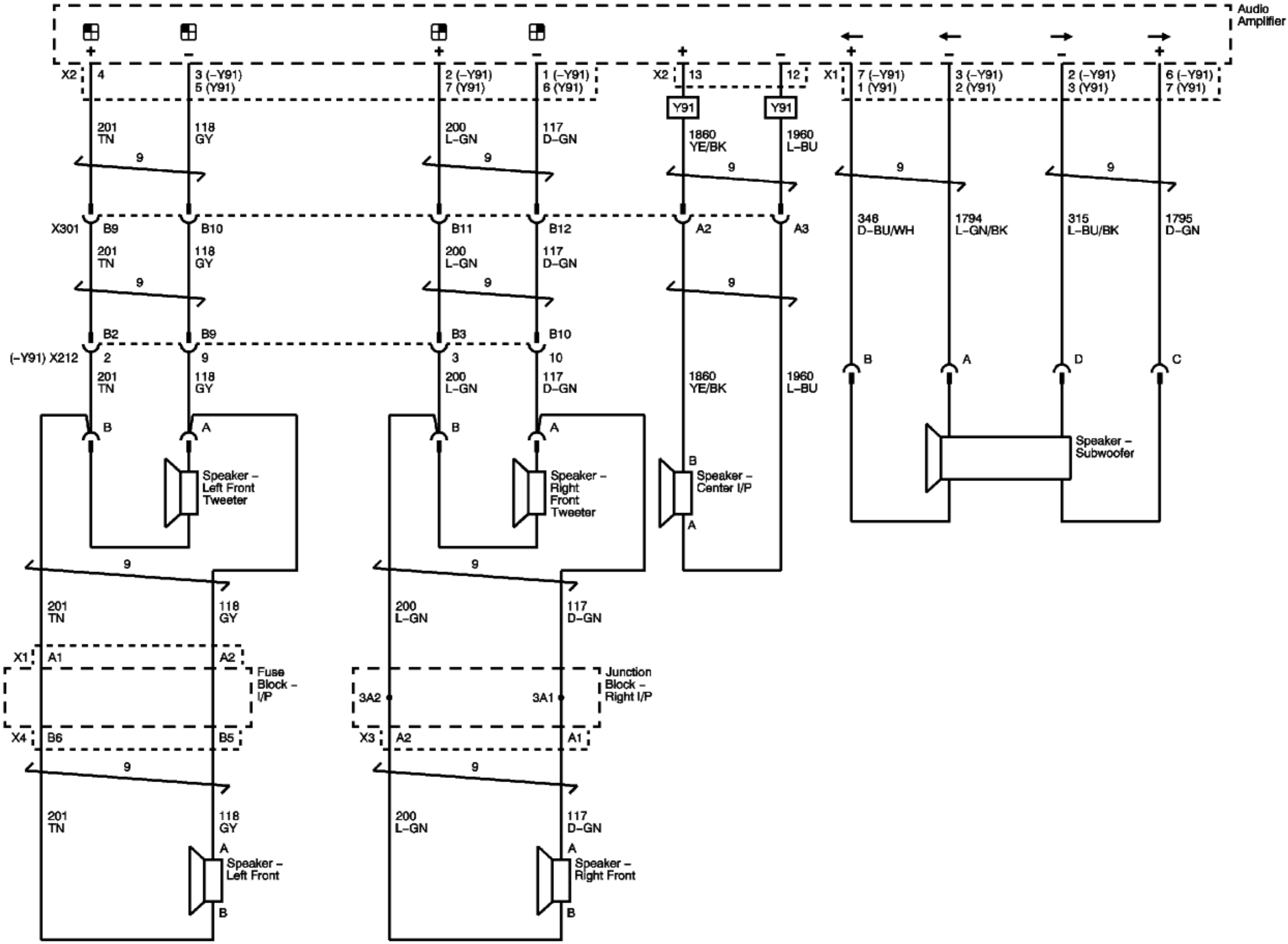




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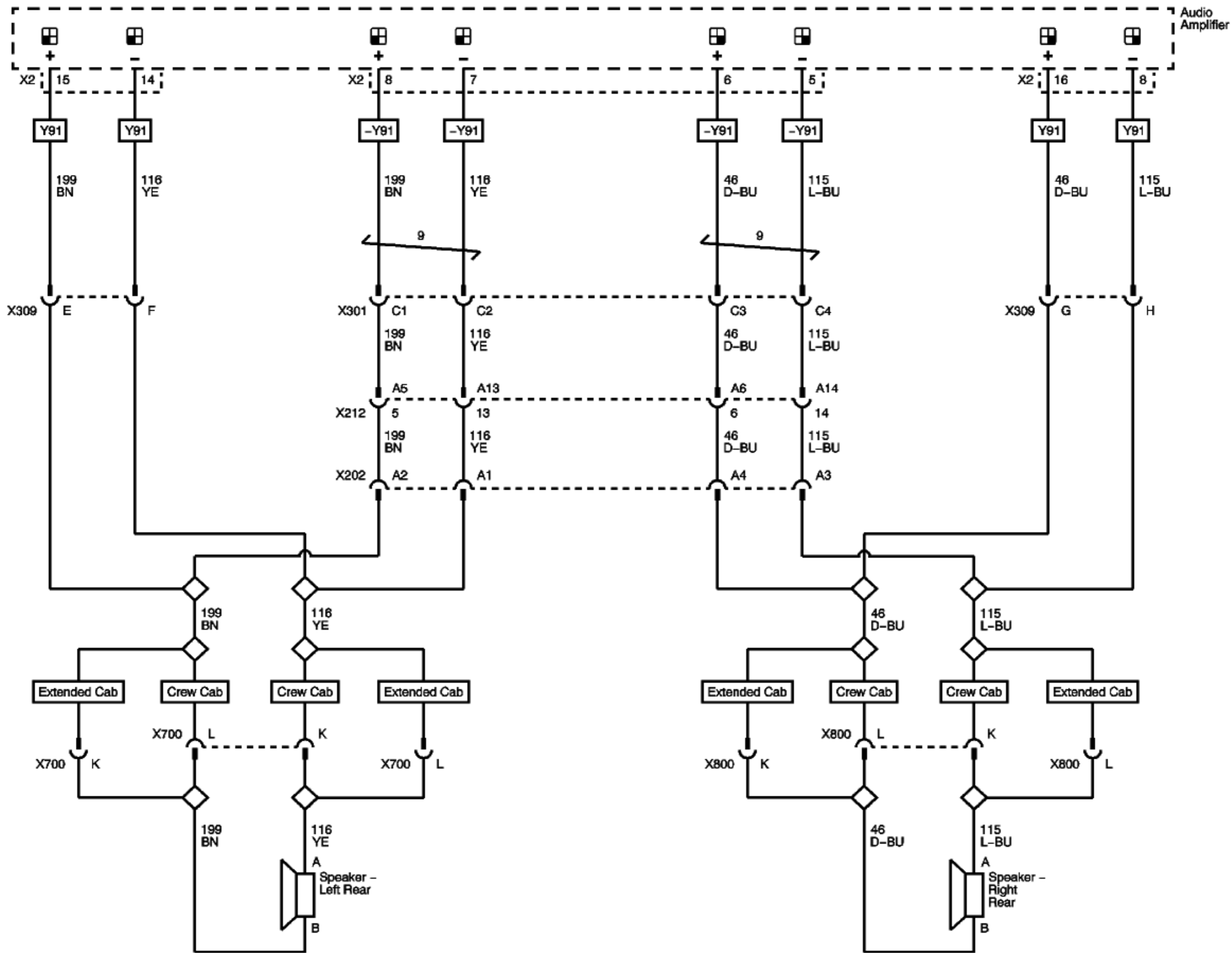


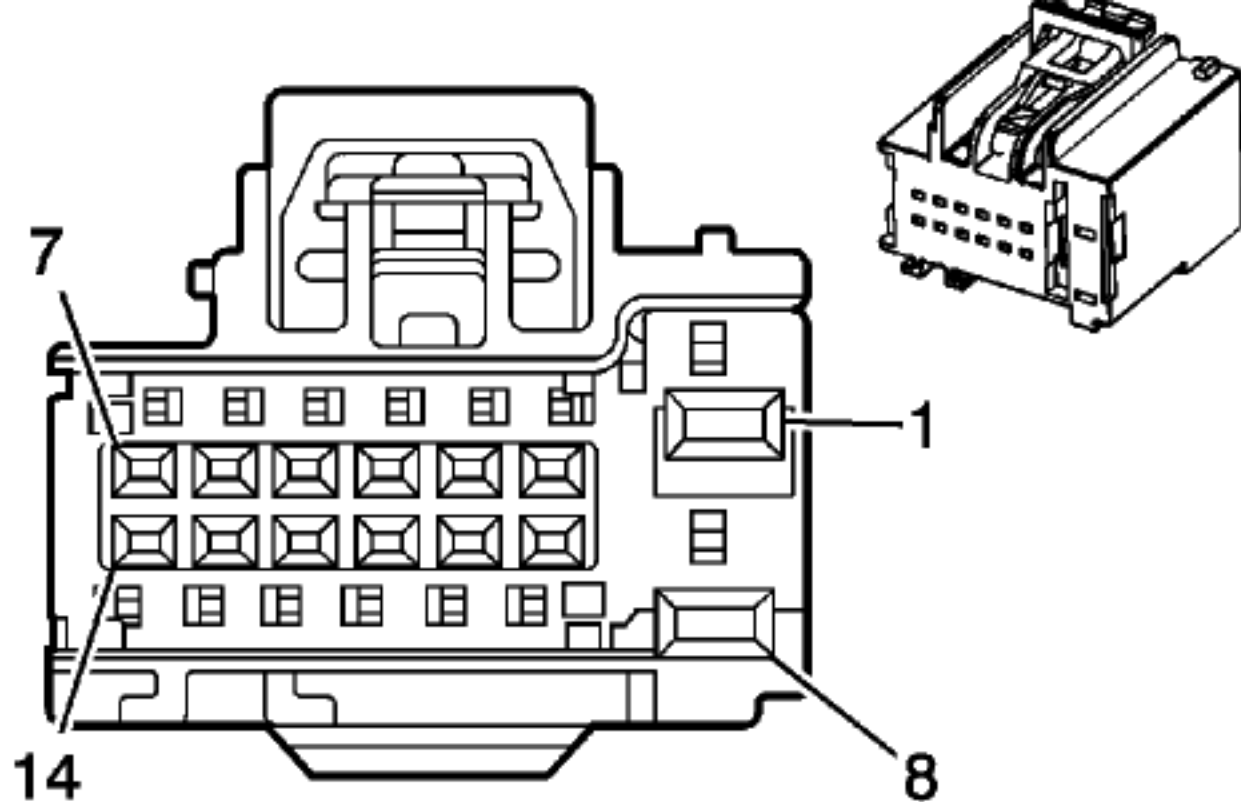


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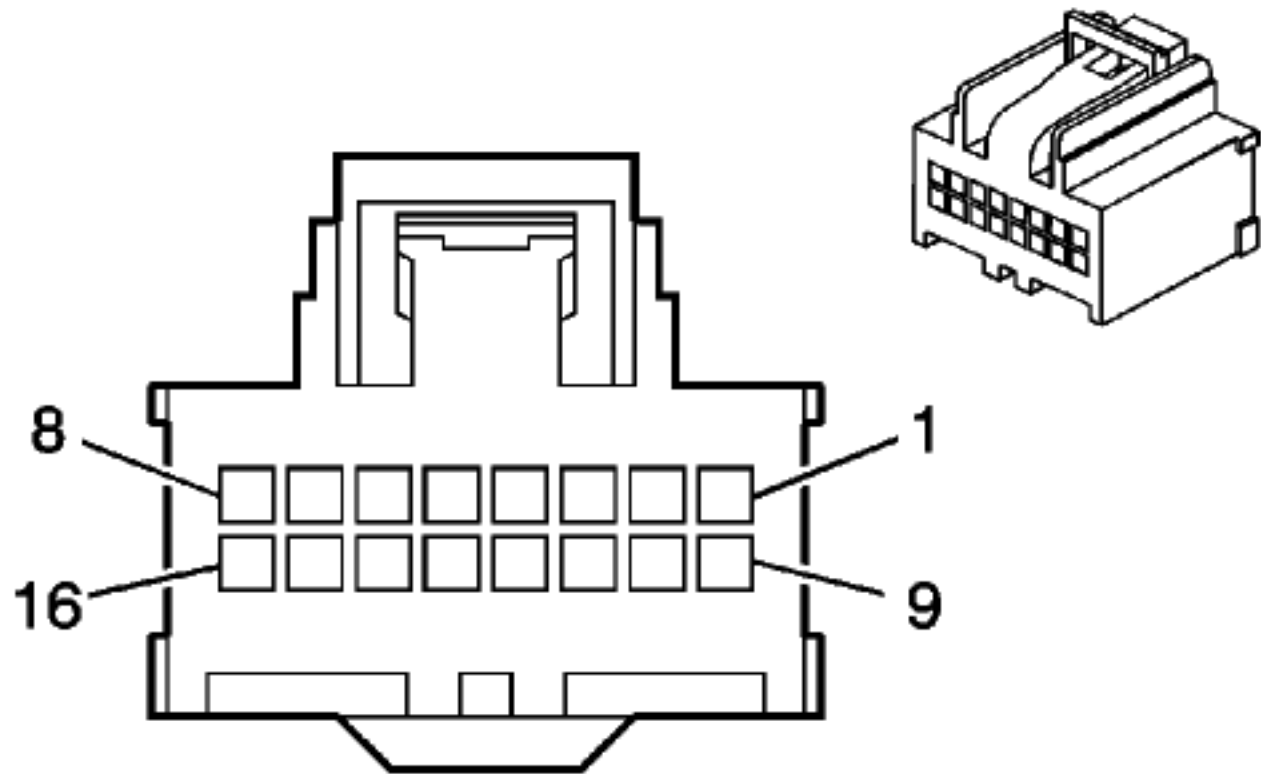
### Connector Part Information

- Harness: I/P Extension
- OEM: 13601512
- Service: 88988743
- Description: 14-Way F 0.64 1.5 Series (BK)

### Radio X1 (except Y91)

Pin	Wire	Circuit	Function
1	1 RD/WH	340	Battery Positive Voltage
2	0.35 TN	511	Left Front Low Level Audio Signal (+) (UQA)
	0.5 TN	201	Left Front Speaker Output (+) (UQ3 or UQ5)
3	0.35 L-GN/WH	512	Right Front Low Level Audio Signal (+) (UQA)
	0.5 L-GN	200	Right Front Speaker Output (+) (UQ3 or UQ5)
4	0.35 PK	5149	Voice Recognition Audio Signal (UUL or UUK with UE1)
	0.35 GY	655	Cellular Telephone Voice Signal (UUL or UUK without UE1)
5	0.35 PK/BK	5152	Low Reference (UUL or UUK with UE1)
	0.5 BARE	514	Drain Wire (UUL or UUK without UE1 and without Y91)
	0.35 BARE	514	Drain Wire (UUL or UUK without UE1 and with Y91)
6	0.35 WH	7066	Entertainment Remote Enable Signal (UQA)
7	0.35 YE	6817	LED Backlight Dimming Control
8	1 BK	2550	Ground
	0.35 D-GN	1947	Left Front Low Level Audio Signal (-) (UQA)
9	0.5 GY	118	Left Front Speaker Output (-) (UQ3 or UQ5)
	0.35 OG/BK	1546	Right Front Low Level Audio Signal (-) (UQA)
10	0.5 D-GN	117	Right Front Speaker Output (-) (UQ3 or UQ5)
	0.5 BARE	2011	Drain Wire (UQA without Y91)
11	0.35 BARE	2011	Drain Wire (UQA with Y91)
12	-	-	Not Used
13	0.35 D-GN	5060	Low Speed GMLAN Serial Data
14	-	-	Not Used





### Connector Part Information

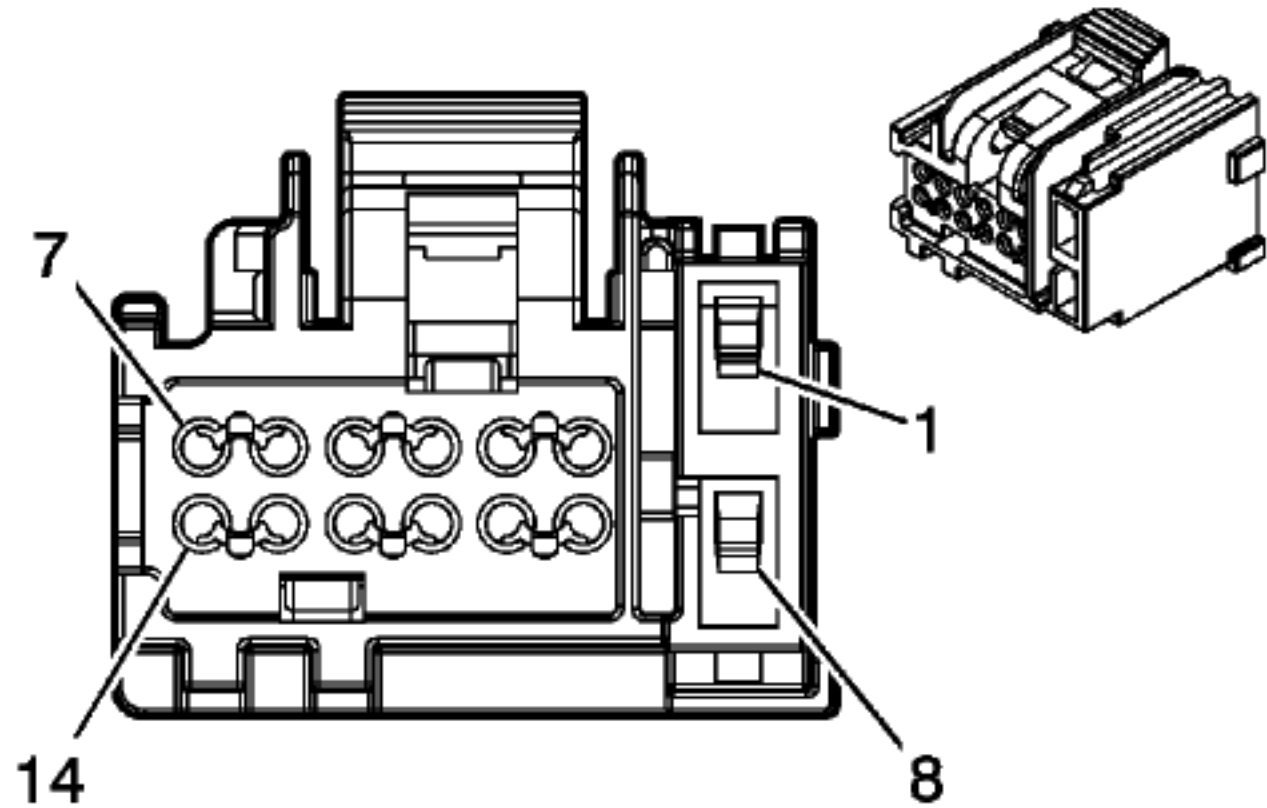
- Harness: I/P Extension
- OEM: 13676739
- Service: 15136073
- Description: 16-Way F Kaizen 0.64 Series (YE)

### Terminal Part Information

- Terminal/Tray: SAIT-A03T-M064/14
- Core/Insulation Crimp: P/P
- Release Tool/Test Probe: J-38125-215A/J-35616-64B (L-BU)

### Radio X2 (except Y91 or 8S8)

Pin	Wire	Circuit	Function
1	0.35 BN/WH	367	Left Audio Signal (+) (U2K)
2	0.35 D-GN/WH	368	Right Audio Signal (+) (U2K)
3	0.5 BARE	2099	Drain Wire (UQA)
4	-	-	Not Used
5	0.5 BN	199	Left Rear Speaker Output (+) (UQ3 or UQ5)
	0.35 BN/WH	599	Left Rear Low Level Audio Signal (+) (UQA)
6	0.35 D-BU	546	Right Rear Low Level Audio Signal (+) (UQA)
	0.5 D-BU	46	Right Rear Speaker Output (+) (UQ3 or UQ5)
7	0.35 D-BU	658	Cellular Telephone Voice Signal (UE1)
8	0.35 OG	6978	Amplifier Control (UQA)
9	0.35 TN/WH	372	Left Radio Audio Output (-) (U2K)
10	0.35 GY	388	Remote Radio Right Audio Signal (U2K)
11	0.35 BARE	1573	Drain Wire (U2K)
12	-	-	Not Used
13	0.35 YE	116	Left Rear Low Level Audio Signal (-) (UQ3 or UQ5)
	0.35 BN	1999	Left Rear Low Level Audio Signal (-) (UQA)
14	0.5 L-BU	115	Right Rear Low Level Audio Signal (-) (UQ3 or UQ5)
	0.35 TN	1946	Right Rear Low Level Audio Signal (-) (UQA)
15	0.35 L-BU/BK	659	Low Reference (UE1)
16	-	-	Not Used

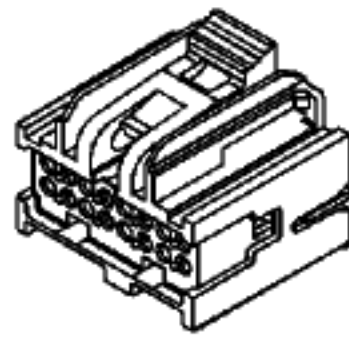
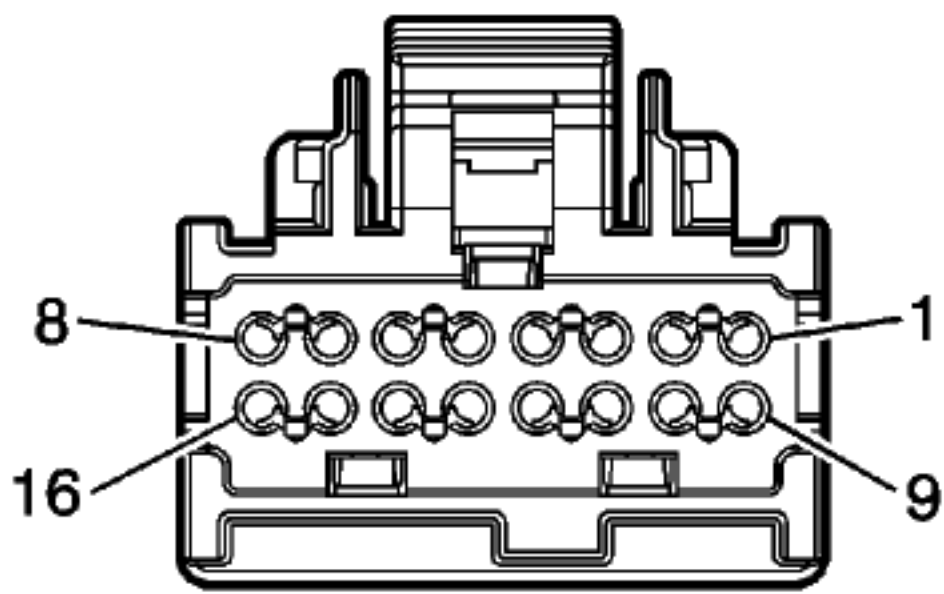


### Connector Part Information

- Harness: Instrument Panel
- OEM: 13545829
- Service: 13504953
- Description: 14-Way F GT 150 Micro 64 Series (BK)

### Radio X1 (Y91 or 8S8)

Pin	Wire	Circuit	Function
1	1 RD/WH	340	Battery Positive Voltage
2	0.35 TN	511	Left Front Low Level Audio Signal (+) (UQA)
	0.5 TN	201	Left Front Speaker Output (+) (UQ3 or UQ5)
3	0.35 L-GN/WH	512	Right Front Low Level Audio Signal (+) (UQA)
	0.5 L-GN	200	Right Front Speaker Output (+) (UQ3 or UQ5)
4	0.35 PK	5149	Voice Recognition Audio Signal (UUL or UUK with UE1)
	0.35 GY	655	Cellular Telephone Voice Signal (UUL or UUK without UE1)
5	0.35 PK/BK	5152	Low Reference (UUL or UUK with UE1)
	0.35 BARE	514	Drain Wire (UUL or UUK without UE1)
6	0.35 WH	7066	Entertainment Remote Enable Signal (U42)
7	0.35 YE	6817	LED Backlight Dimming Control
8	1 BK	2550	Ground
9	0.35 D-GN	1947	Left Front Low Level Audio Signal (-) (UQA)
	0.5 GY	118	Left Front Speaker Output (-) (UQ3 or UQ5)
10	0.35 OG/BK	1546	Right Front Low Level Audio Signal (-) (UQA)
	0.5 D-GN	117	Right Front Speaker Output (-) (UQ3 or UQ5)
11	0.35 BARE	2011	Drain Wire (Y91)
12	-	-	Not Used
13	0.35 D-GN	5060	Low Speed GMLAN Serial Data
14	-	-	Not Used



### Connector Part Information

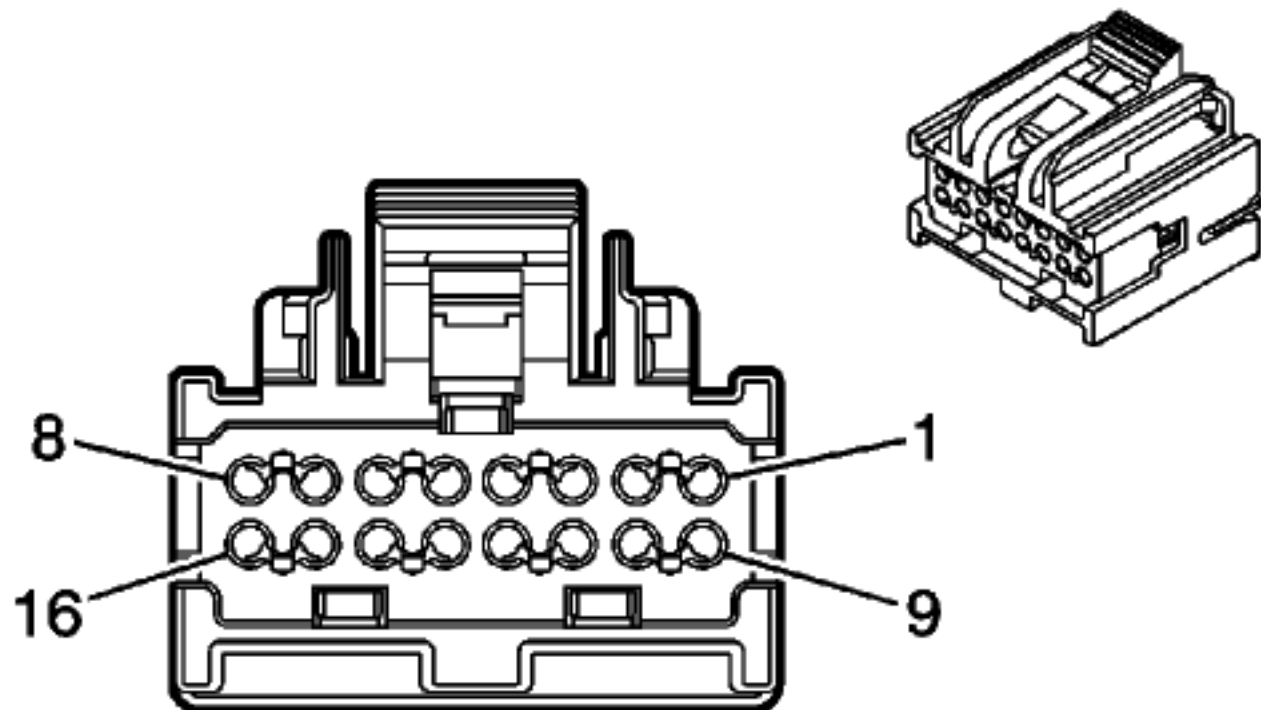
- Harness: Instrument Panel
- OEM: 13568238
- Service: 13504130
- Description: 16-Way F Micro 64 Series Sealed (BK)

### Terminal Part Information

- Terminal/Tray: 15359541/4
- Core/Insulation Crimp: M/M
- Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

### Radio X2 (Y91 or 8S8)

Pin	Wire	Circuit	Function
1	0.35 BN/WH	367	Left Audio Signal (+) (U2K)
2	0.35 D-GN/WH	368	Right Audio Signal (+) (U2K)
3-4	-	-	Not Used
5	0.5 BN	199	Left Rear Speaker Output (+) (UQ3 or UQ5)
	0.35 BN/WH	599	Left Rear Low Level Audio Signal (+) (UQA)
6	0.35 D-BU	546	Right Rear Low Level Audio Signal (+) (UQA)
	0.5 D-BU	46	Right Rear Speaker Output (+) (UQ3 or UQ5)
7	0.35 D-BU	658	Cellular Telephone Voice Signal (UE1)
8	-	-	Not Used
9	0.35 TN/WH	372	Left Radio Audio Output (-) (U2K)
10	0.35 GY	388	Remote Radio Right Audio Signal (U2K)
11	0.35 BARE	1573	Drain Wire (U2K)
12	-	-	Not Used
13	0.35 YE	116	Left Rear Low Level Audio Signal (-) (UQ3 or UQ5)
	0.35 BN	1999	Left Rear Low Level Audio Signal (-) (UQA)
14	0.5 L-BU	115	Right Rear Low Level Audio Signal (-) (UQ3 or UQ5)
	0.35 TN	1946	Right Rear Low Level Audio Signal (-) (UQA)
15	0.35 L-BU/BK	659	Low Reference (UE1)
16	-	-	Not Used



### Connector Part Information

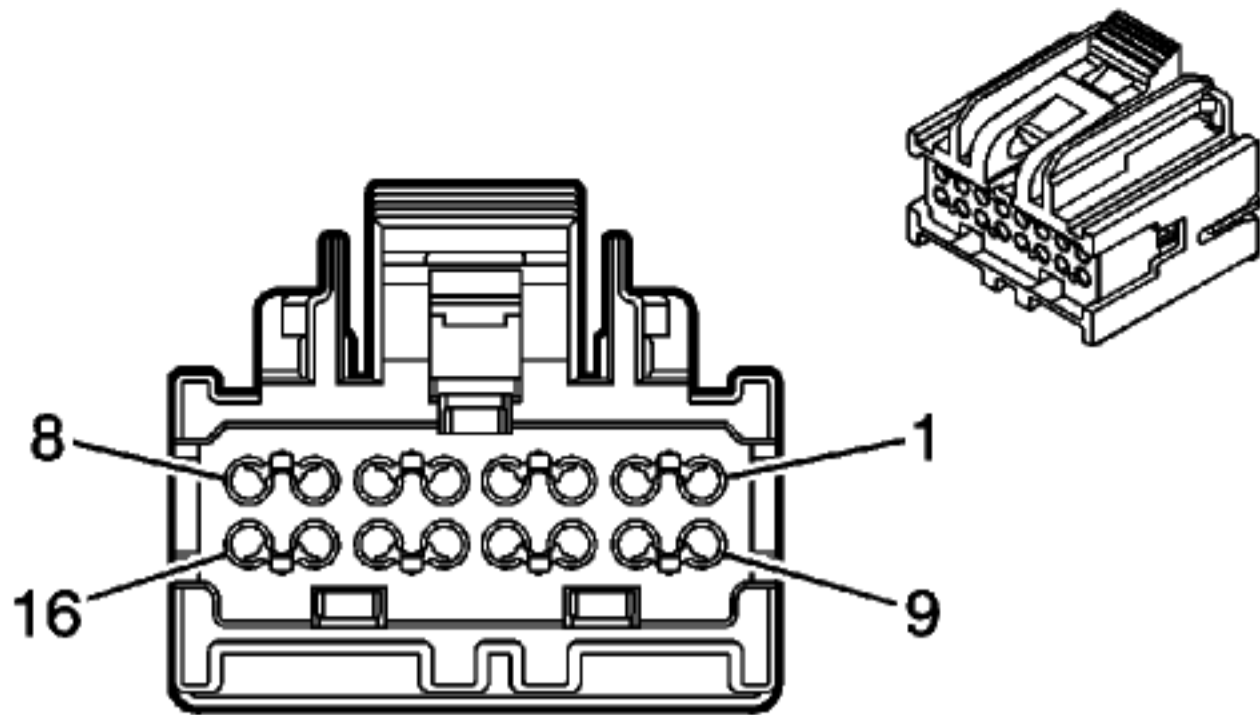
- Harness: Instrument Panel
- OEM: 13568239
- Service: 13504589
- Description: 16-Way F Micro 64 Series Sealed (GY)

### Terminal Part Information

- Terminal/Tray: 15359541/4
- Core/Insulation Crimp: M/M
- Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

### Radio X3 (U42)

Pin	Wire	Circuit	Function
1	0.35 YE	2059	Auxiliary Audio Left Signal
2	0.35 WH	2058	Auxiliary Audio Right Signal
3	0.35 L-BU	5826	Left DVD Audio Signal (+)
4	0.35 WH	5828	Right DVD Audio Signal (+)
5	0.35 OG/BK	5831	Remote Infra Red Signal (+)
6	0.35 PK/BK	5844	Video Bright Control
7	0.35 D-GN	6975	DVD Video Signal (+)
8	0.35 PU	2056	Auxiliary Video High Signal
9	0.5 BARE	5345	Drain Wire (except Y91)
	0.35 BARE	5345	Drain Wire (Y91)
10	0.35 L-GN/BK	5845	Video Mode Signal
11	0.35 PU	6979	DVD Audio Common
12	0.35 BARE	6980	DVD Audio Shield (Y91)
	0.5 BARE	6980	DVD Audio Shield (except Y91)
13	0.35 TN/WH	5830	Remote Infra Red Signal (-)
14	0.35 BARE	6976	Drain Wire (Y91)
	0.5 BARE	6976	Drain Wire (except Y91)
15	0.35 WH/BK	5335	DVD Video Signal (-)
16	0.5 BARE	5346	Drain Wire (except Y91)
	0.35 BARE	5346	Drain Wire (Y91)



### Connector Part Information

- Harness: I/P Extension
- OEM: 13568240
- Service: 13504590
- Description: 16-Way F Micro 64 Series Sealed (BN)

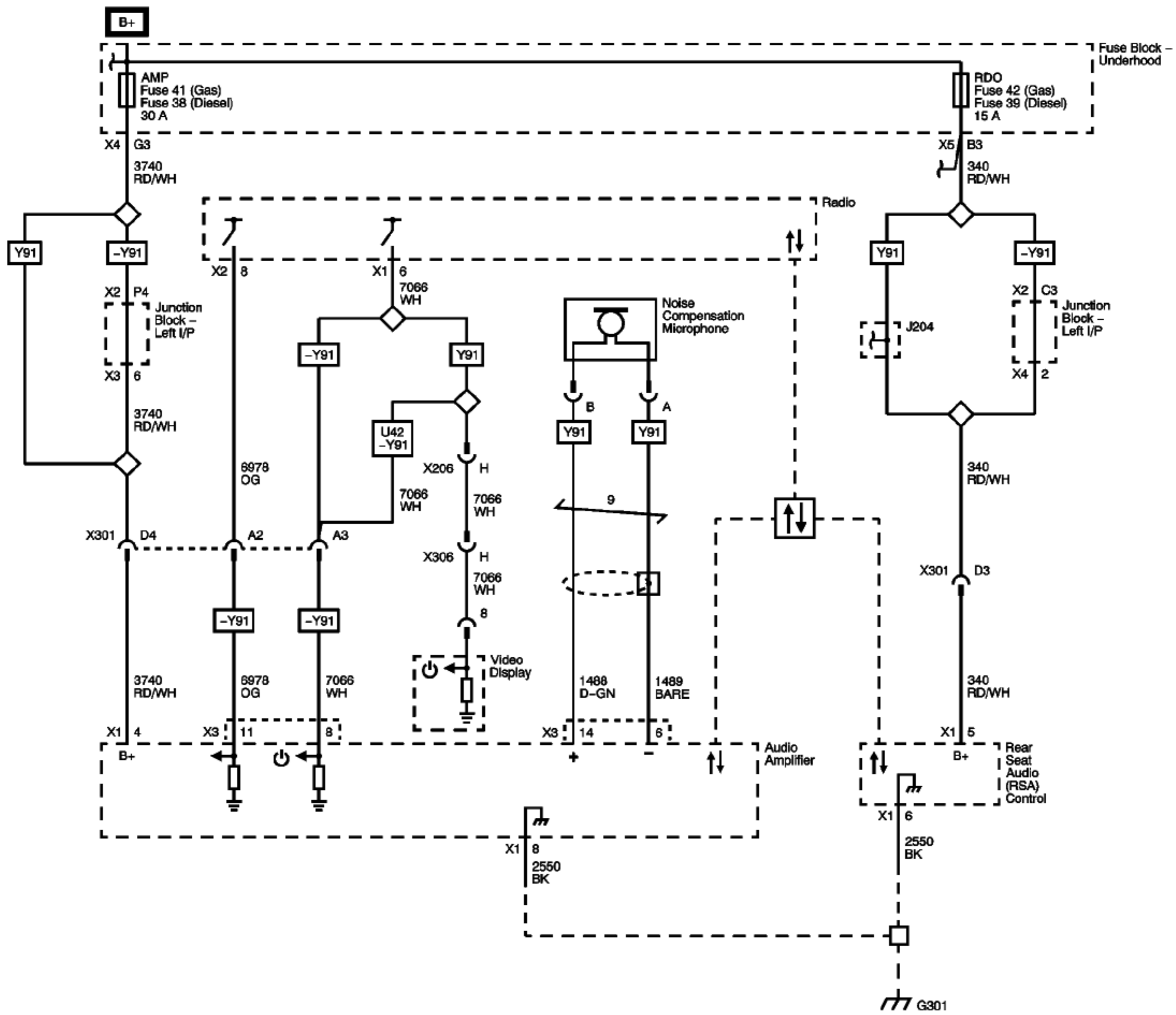
### Terminal Part Information

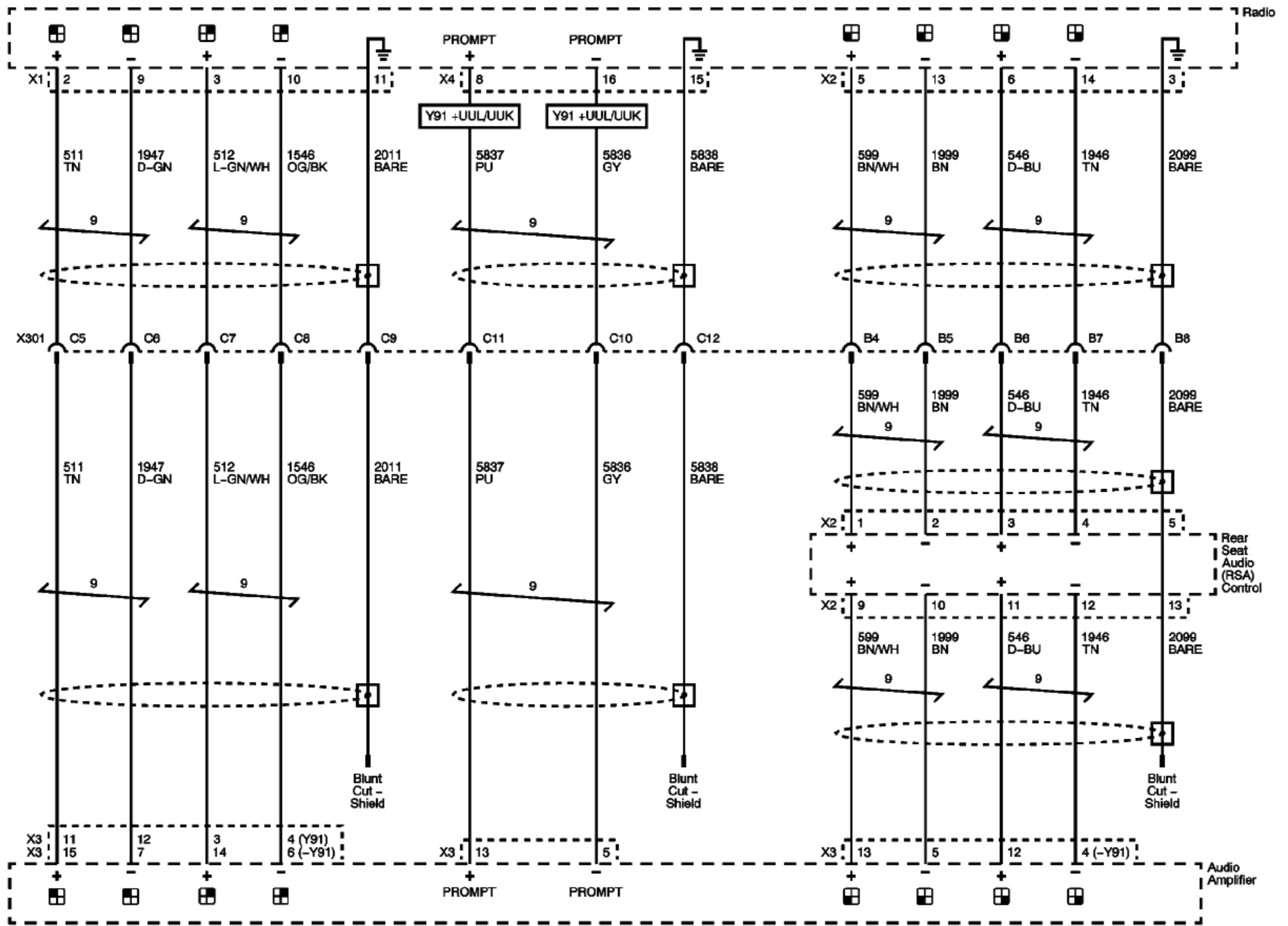
- Terminal/Tray: 15359541/4
- Core/Insulation Crimp: M/M
- Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

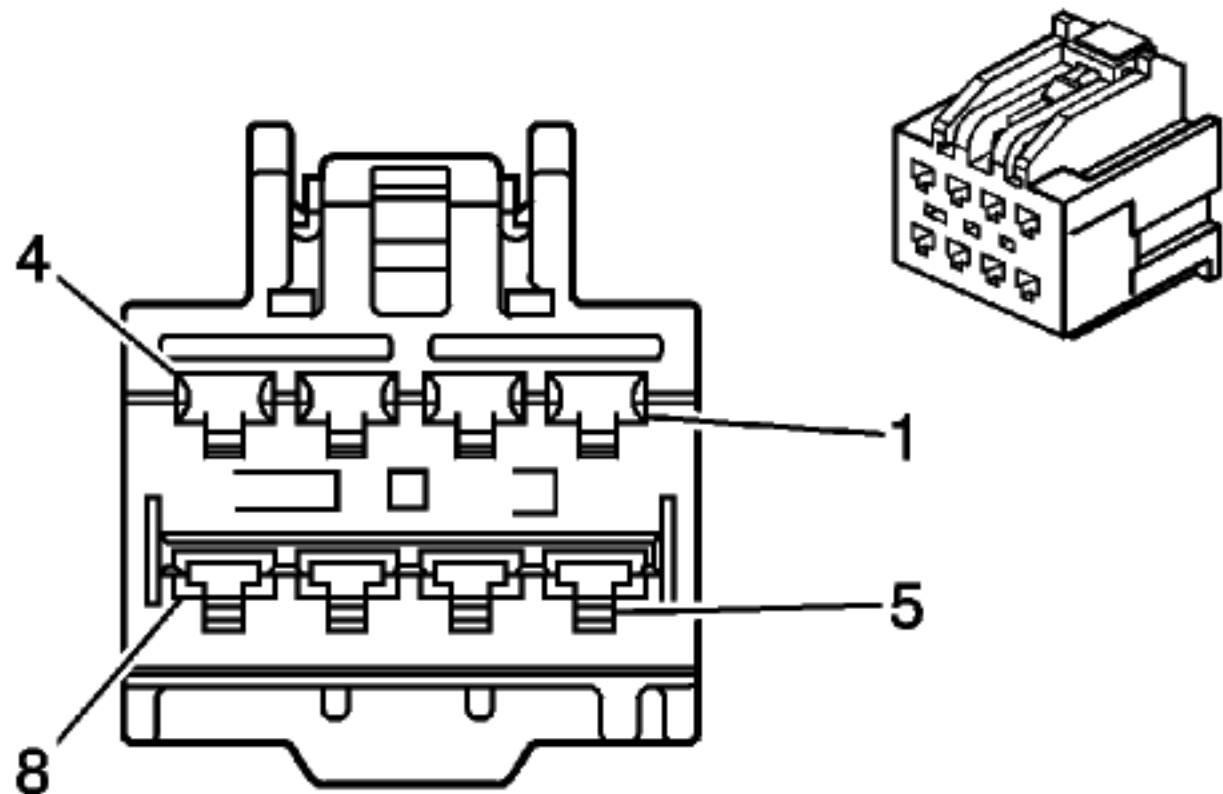
### Radio X4 (UUL or UUK)

Pin	Wire	Circuit	Function
1-4	-	-	Not Used
5	0.8 D-GN/WH	817	Vehicle Speed Signal (except Y91)
	0.5 D-GN/WH	817	Vehicle Speed Signal (Y91)
6	0.35 GY/D-BU	7641	Camera Video Signal (+) (SPO Rearview Camera)
	0.35 WH	7641	Camera Video Signal (+) (UVC)
7	0.35 GY/OG	7642	Camera Video Signal (-) (SPO Rearview Camera)
	0.35 L-BU	7642	Camera Video Signal (-) (UVC)
8	0.35 PU	5837	Amplifier Audio Prompt Signal (+) (Y91)
9-14	-	-	Not Used
15	0.35 BARE	5838	Amplifier Audio Prompt Drain Wire (Y91)
16	0.35 GY	5836	Amplifier Audio Prompt Signal (-) (Y91)









### Connector Part Information

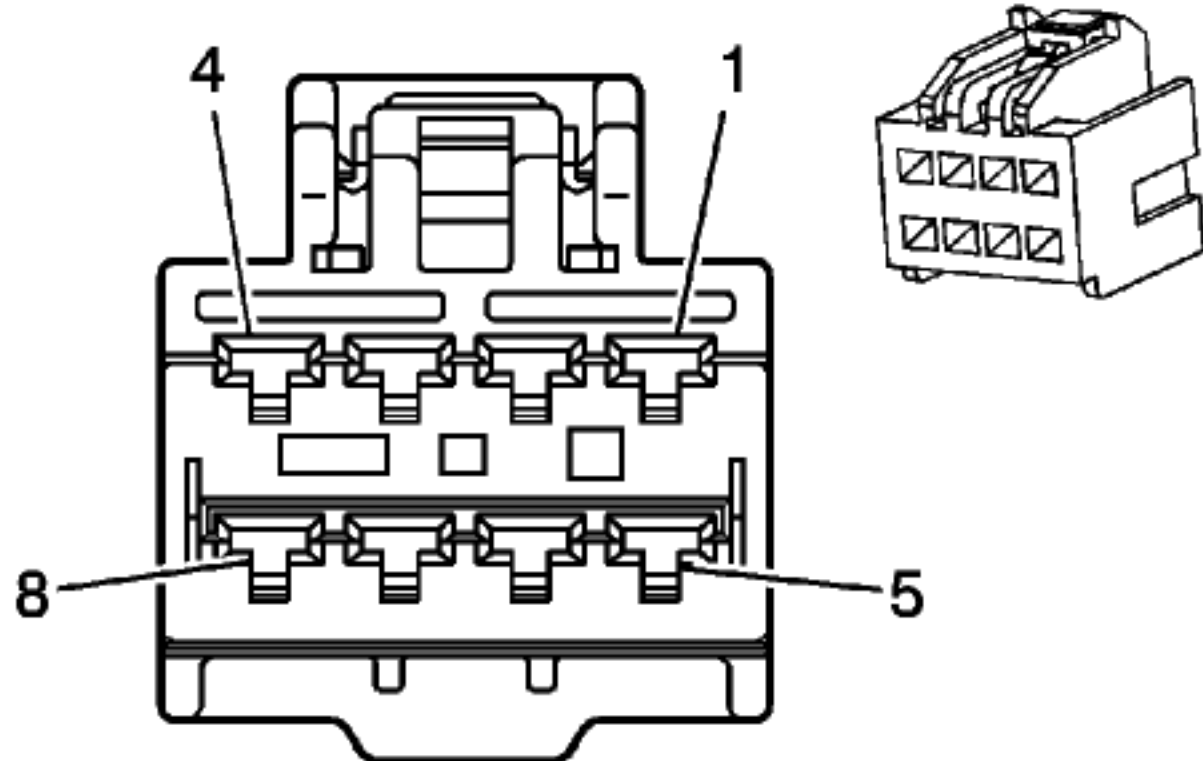
- Harness: Console
- OEM: 15491289
- Service: 19115652
- Description: 8-Way F 2.8 Series (L-GY)

### Terminal Part Information

- Pins: 2-3, 6-7
- Terminal/Tray: 8100-4444/22
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-35 (VT)
- Pins: 4, 8
- Terminal/Tray: 8100-4445/22
- Core/Insulation Crimp: 4/4
- Release Tool/Test Probe: 15315247/J-35616-35 (VT)

### Audio Amplifier X1 (UQA without Y91)

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	0.8 L-BU/BK	315	Right Subwoofer Speaker Output (-)
3	0.8 L-GN/BK	1794	Left Subwoofer Speaker Output (-)
4	2 RD/WH	3740	Battery Positive Voltage
5	-	-	Not Used
6	0.8 D-GN	1795	Right Subwoofer Speaker Output (+)
7	0.8 D-BU/WH	346	Left Subwoofer Speaker Output (+)
8	2 BK	2550	Ground



### Connector Part Information

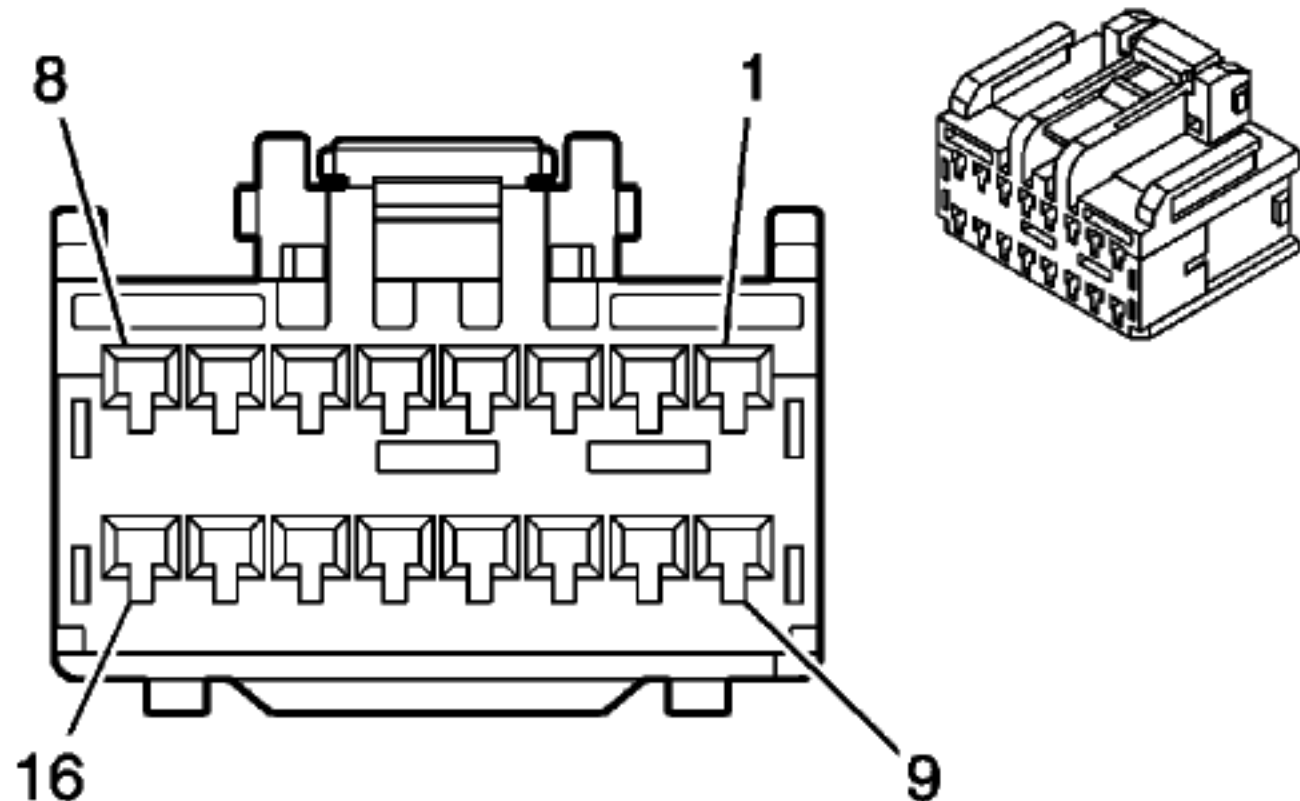
- Harness: Console
- OEM: 15491286
- Service: 88988652
- Description: 8-Way F 2.8 Series (BK)

### Terminal Part Information

- Pins: 1-3, 7
- Terminal/Tray: 8100-4444/22
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-35 (VT)
- Pins: 4, 8
- Terminal/Tray: 8100-4444/22
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-35 (VT)

### Audio Amplifier X1 (UQA with Y91)

Pin	Wire	Circuit	Function
1	0.8 D-BU/WH	346	Left Subwoofer Speaker Output (+)
2	0.8 L-GN/BK	1794	Left Subwoofer Speaker Output (-)
3	0.8 L-BU/BK	315	Right Subwoofer Speaker Output (-)
4	3 RD/WH	3740	Battery Positive Voltage
5-6	-	-	Not Used
7	0.8 D-GN	1795	Right Subwoofer Speaker Output (+)
8	3 BK	2250	Ground (UK6)



### Connector Part Information

- Harness: Console
- OEM: 15489823
- Service:15134091
- Description: 16-Way F Receptacle 1.5 Series (BK)

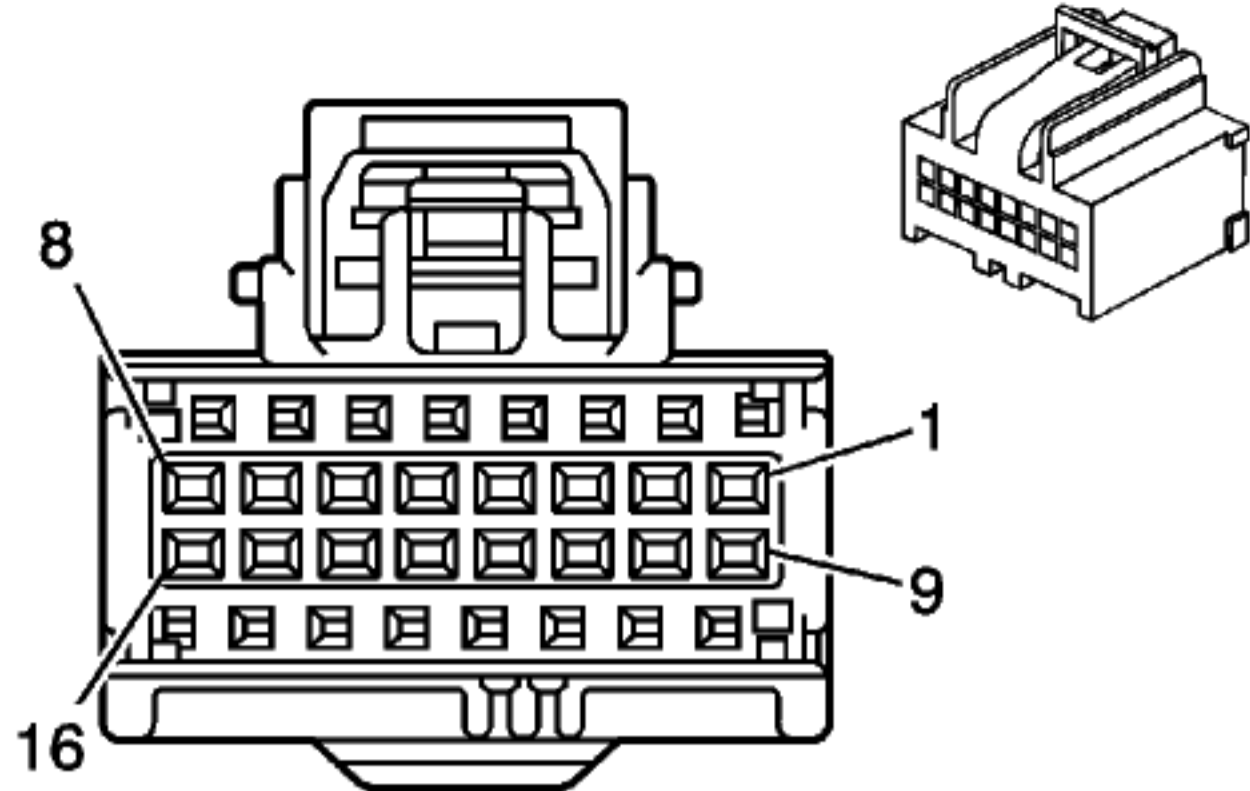
### Terminal Part Information

- Pins: 1-8, 12-16
- Terminal/Tray: 8240-0128/22
- Core/Insulation Crimp: C/A
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)

### Audio Amplifier X2 (UQA)

Pin	Wire	Circuit	Function
1	0.8 D-GN	117	Right Front Speaker Output (-) (except Y91)
	0.35 D-GN	5060	Low Speed GMLAN Serial Data (Y91)
2	0.8 L-GN	200	Right Front Speaker Output (+) (except Y91)
3	0.8 GY	118	Left Front Speaker Output (-) (except Y91)
4	0.8 TN	201	Left Front Speaker Output (+)
5	0.8 L-BU	115	Right Rear Low Level Audio Signal (-) (except Y91)
	0.8 GY	118	Left Front Speaker Output (-) (Y91)
6	0.8 D-BU	46	Right Rear Low Level Audio Signal (+) (except Y91)
	0.8 D-GN	117	Right Front Speaker Output (-) (Y91)
7	0.8 YE	116	Left Rear Low Level Audio Signal (-) (except Y91)
	0.8 L-GN	200	Right Front Speaker Output (+) (Y91)
8	0.8 BN	199	Left Rear Low Level Audio Signal (+) (except Y91)
	0.8 L-BU	115	Right Rear Low Level Audio Signal (-) (Y91)
9-11	-	-	Not Used
12	0.8 L-BU	1960	Front Center Speaker Output (-) (Y91)
13	0.8 YE/BK	1860	Front Center Speaker Output (+) (Y91)
14	0.8 YE	116	Left Rear Low Level Audio Signal (-) (Y91)
15	0.8 BN	199	Left Rear Low Level Audio Signal (+) (Y91)
16	0.8 D-BU	46	Right Rear Low Level Audio Signal (+) (Y91)



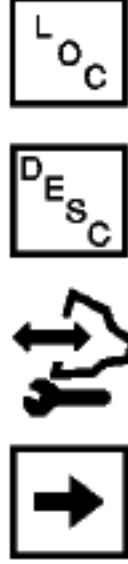
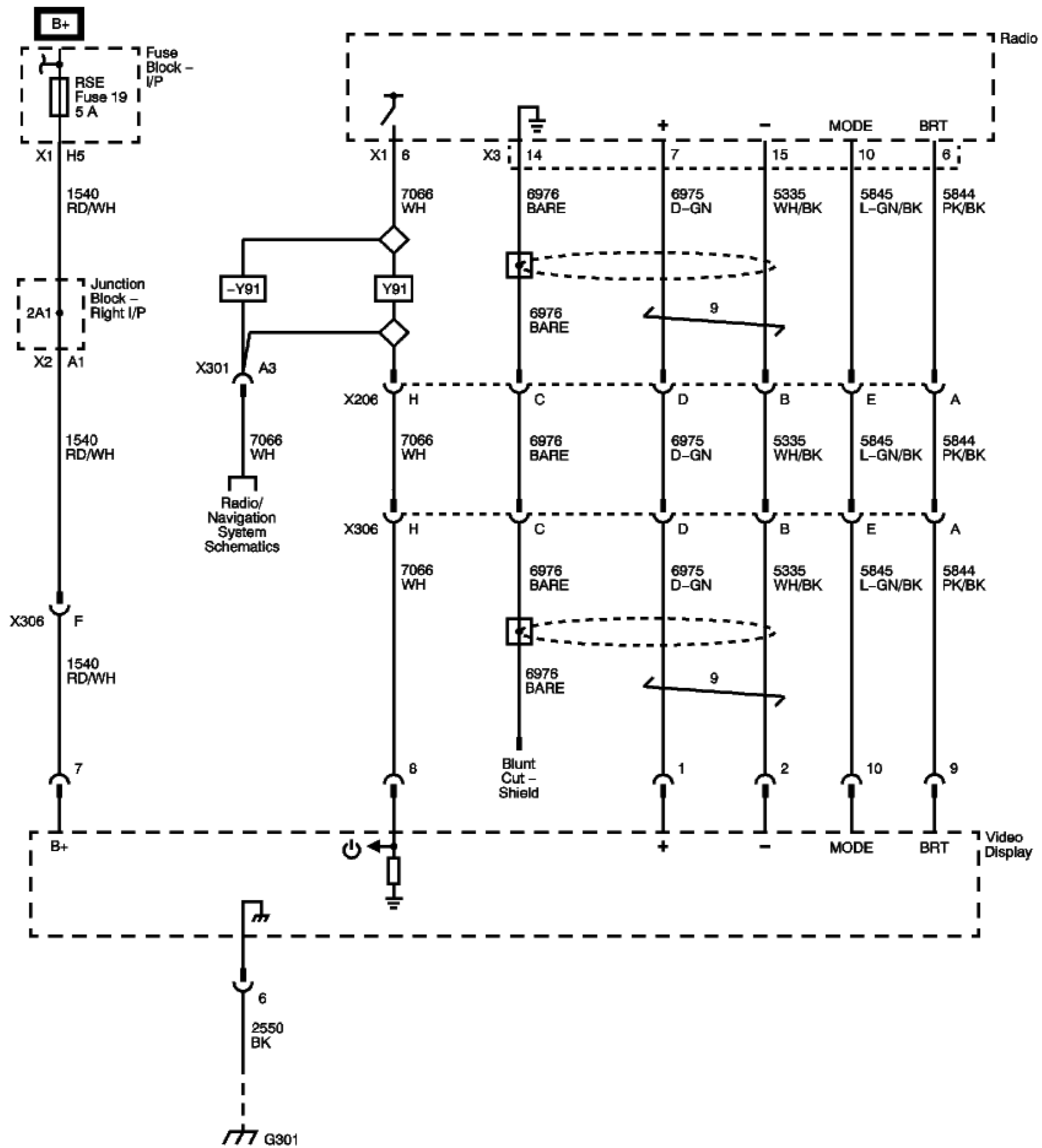


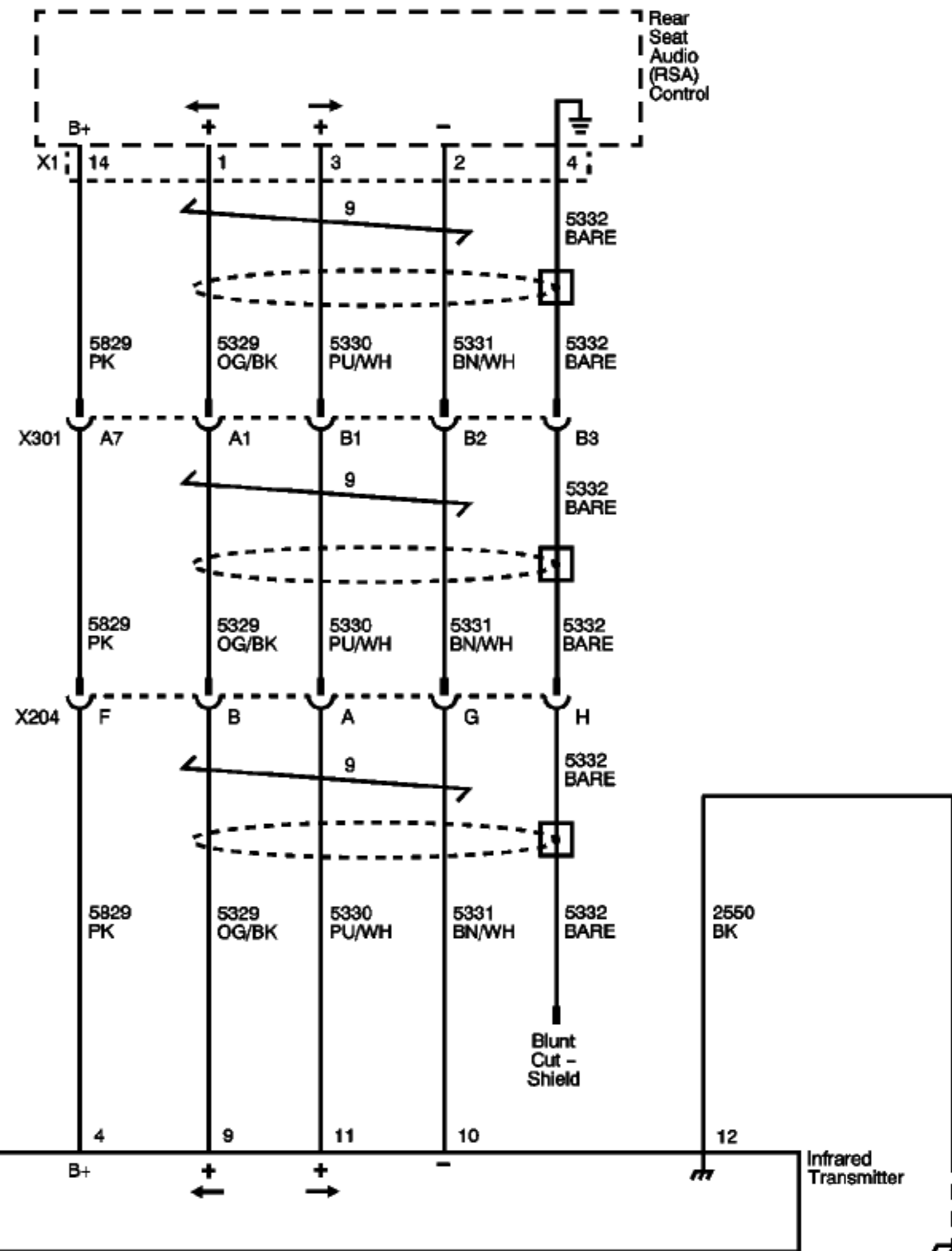
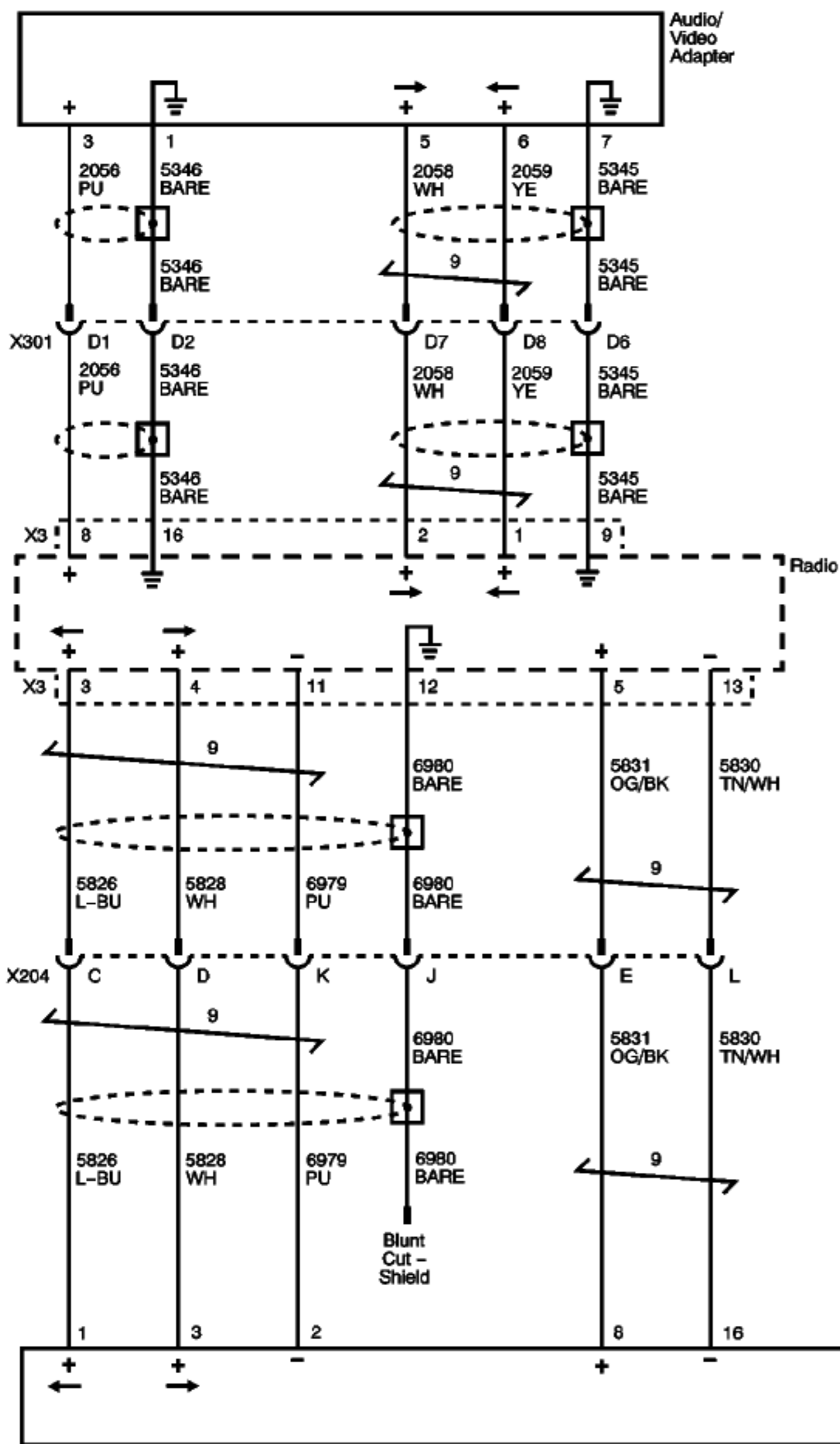
### Connector Part Information

- Harness: Console
- OEM: 15491285
- Service: 15136073
- Description: 16-Way F Kaizan 0.64 (BK)

### Audio Amplifier X3 (UQA)

Pin	Wire	Circuit	Function
1-2	-	-	Not Used
3	0.35 L-GN/WH	512	Right Front Low Level Audio Signal (+) (Y91)
4	0.35 TN	1946	Right Rear Low Level Audio Signal (-) (except Y91)
	0.35 OG/BK	1546	Right Front Low Level Audio Signal (-) (Y91)
5	0.35 BN	1999	Left Rear Low Level Audio Signal (-) (except Y91)
	0.35 GY	5836	Amplifier Audio Prompt Signal (-) (Y91 with UUL or UUK)
6	0.35 OG/BK	1546	Right Front Low Level Audio Signal (-) (except Y91)
	0.5 BARE	1489	Noise Compensation Microphone Drain Wire (Y91)
7	0.35 D-GN	1947	Left Front Low Level Audio Signal (-) (except Y91)
8	0.35 WH	7066	Entertainment Remote Enable Signal (except Y91)
9-10	-	-	Not Used
11	0.35 OG	6978	Amplifier Control (except Y91)
	0.35 TN	511	Left Front Low Level Audio Signal (+) (Y91)
12	0.35 D-BU	546	Right Rear Low Level Audio Signal (except Y91)
	0.35 D-GN	1947	Left Front Low Level Audio Signal (-) (Y91)
13	0.35 BN/WH	599	Left Rear Low Level Audio Signal (+) (except Y91)
	0.35 PU	5837	Amplifier Audio Prompt Signal (+) (Y91 with UUL or UUK)
14	0.35 L-GN/WH	512	Right Front Low Level Audio Signal (+) (except Y91)
	0.5 D-GN	1488	Noise Compensation Microphone Signal (Y91)
15	0.35 TN	511	Left Front Low Level Audio Signal (+) (except Y91)
16	-	-	Not Used





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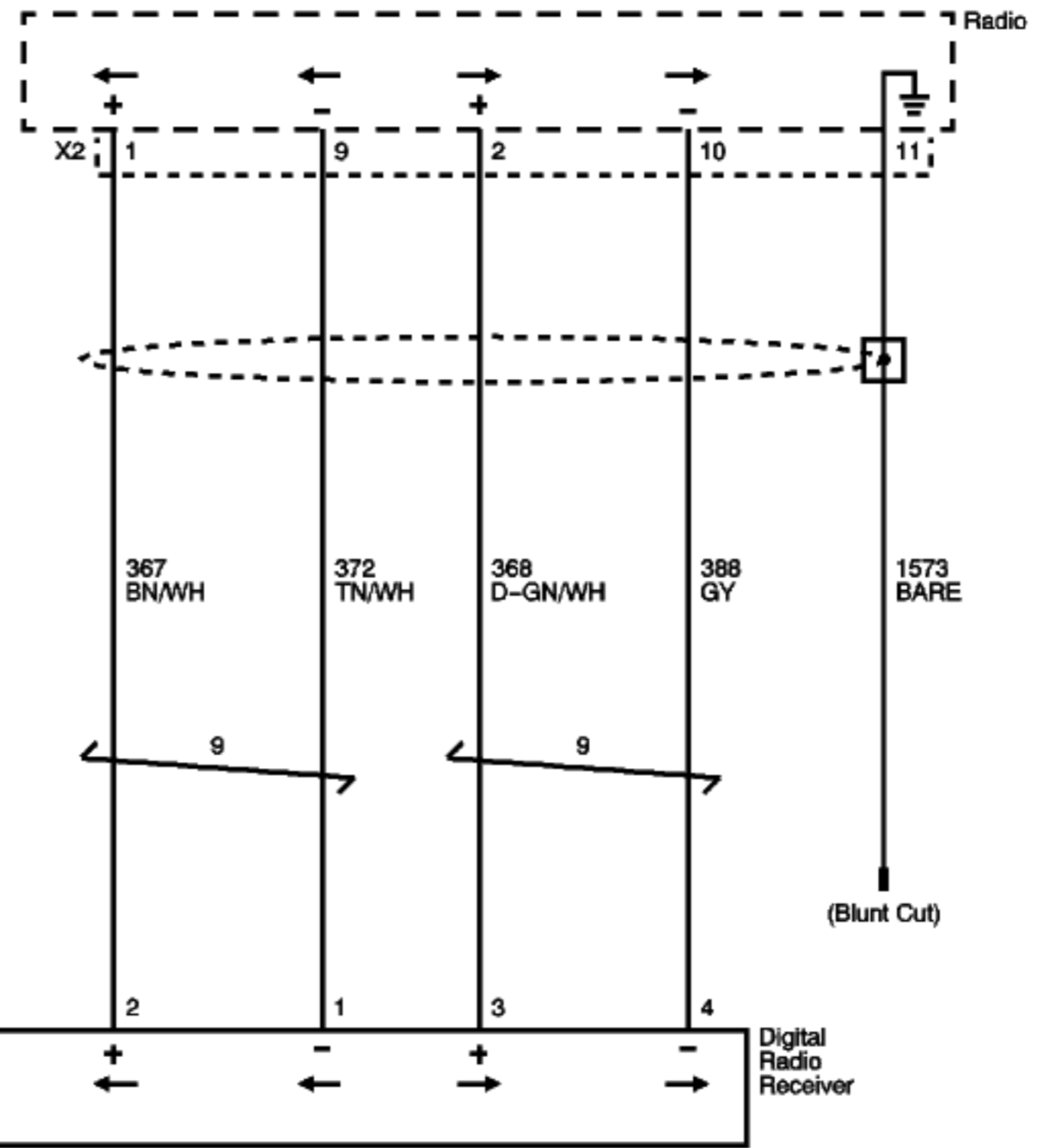
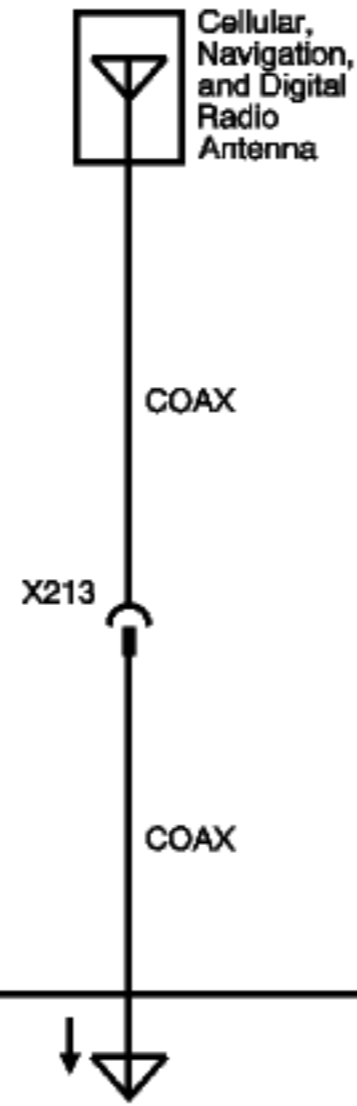
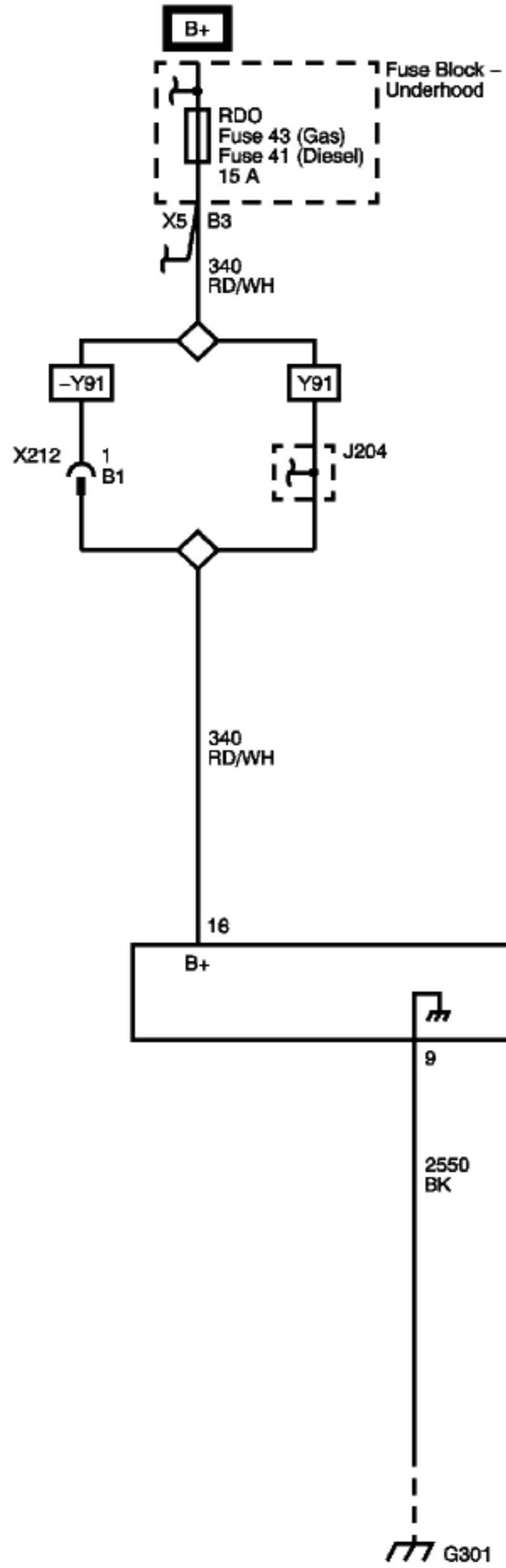
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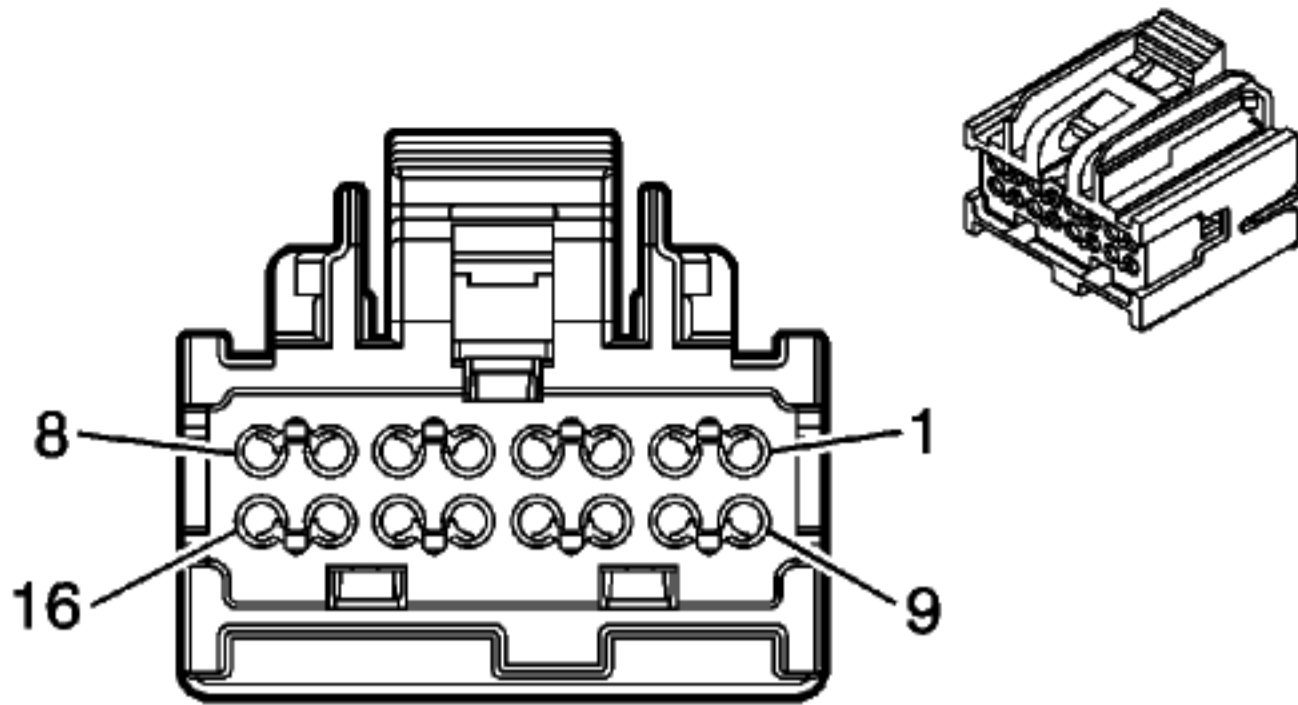
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LOC

DESC





### Connector Part Information

- Harness: Instrument Panel (Y91)
- Harness: I/P Extension (except Y91)
- OEM: 13568238
- Service: 13504130
- Description: 16-Way F Micro 64 Series (BK)

### Terminal Part Information

- Pins: 1-5, 9, 16
- Terminal/Tray: 15359541/4
- Core/Insulation Crimp: M/M
- Release Tool/Test Probe: 15381651-2/J-35616-64B (L-BU)

### Digital Radio Receiver (U2K)

Pin	Wire	Circuit	Function
1	0.35 TN/WH	372	Left Audio Signal (-)
2	0.35 BN/WH	367	Left Audio Signal (+)
3	0.35 D-GN/WH	368	Right Audio Signal (+)
4	0.35 GY	388	Right Audio Signal (-)
5	0.35 D-GN	5060	Low Speed GMLAN Serial Data
6-8	-	-	Not Used
9	0.5 BK	2550	Ground
10-15	-	-	Not Used
16	0.5 RD/WH	340	Battery Positive Voltage