

GROUND VIEWS

G100

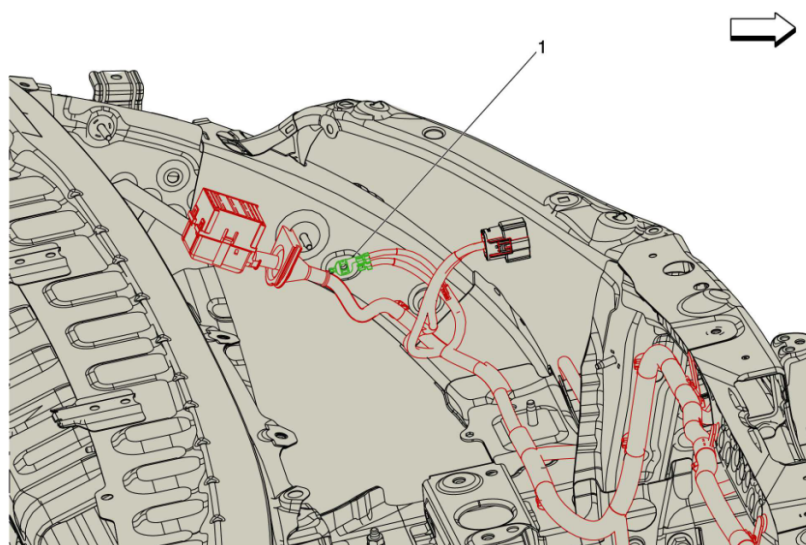


Fig. 1: G100

Courtesy of GENERAL MOTORS COMPANY

	Items
1: G100 Forward Lamp Harness	

G101

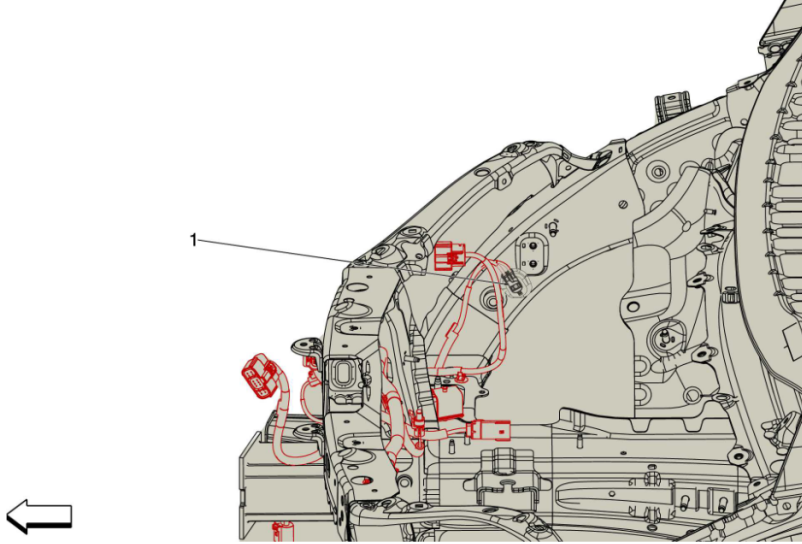


Fig. 2: G101
 Courtesy of GENERAL MOTORS COMPANY

Items
1: G101 Forward Lamp Harness

G102

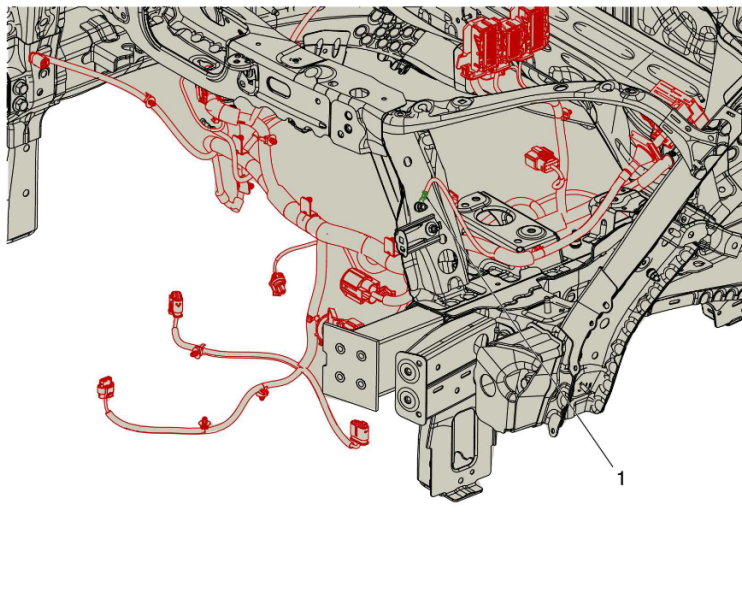


Fig. 3: G102
 Courtesy of GENERAL MOTORS COMPANY

Items
1: G102 Engine Harness

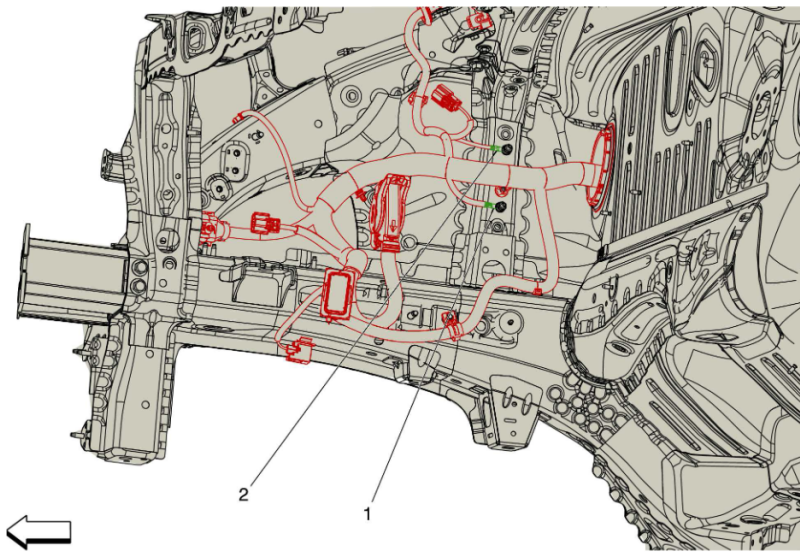


Fig. 4: G103 and G105

Courtesy of GENERAL MOTORS COMPANY

Items	
1:	G103 Body Harness
2:	G105 Body Harness

G104

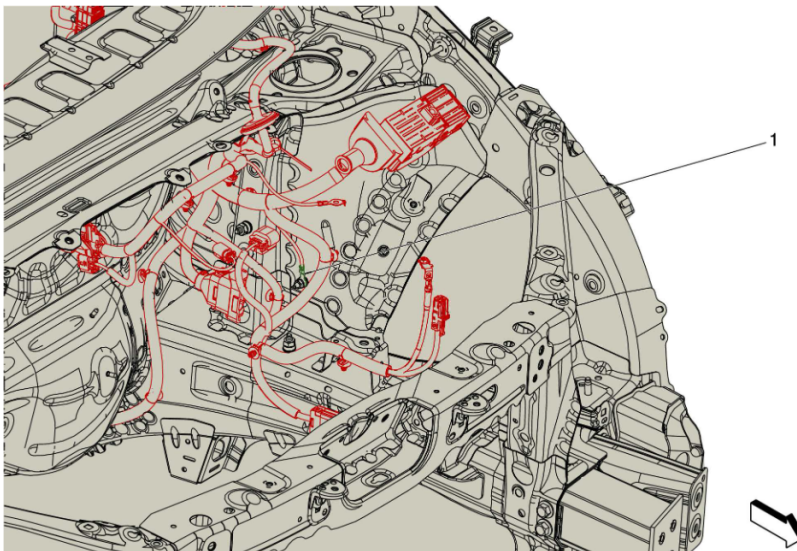


Fig. 5: G104

Courtesy of GENERAL MOTORS COMPANY

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1: G104 Body Harness

Items

G107

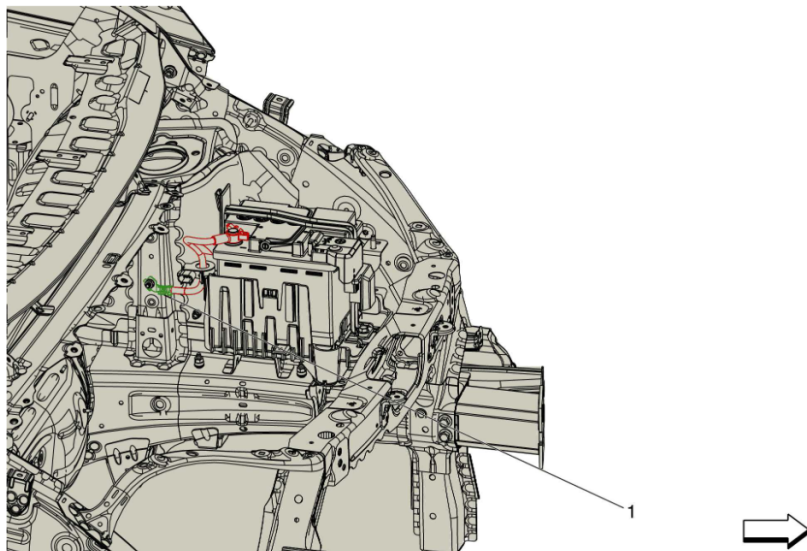


Fig. 6: G107

Courtesy of GENERAL MOTORS COMPANY

1: G107 Battery Negative Harness

Items

G111

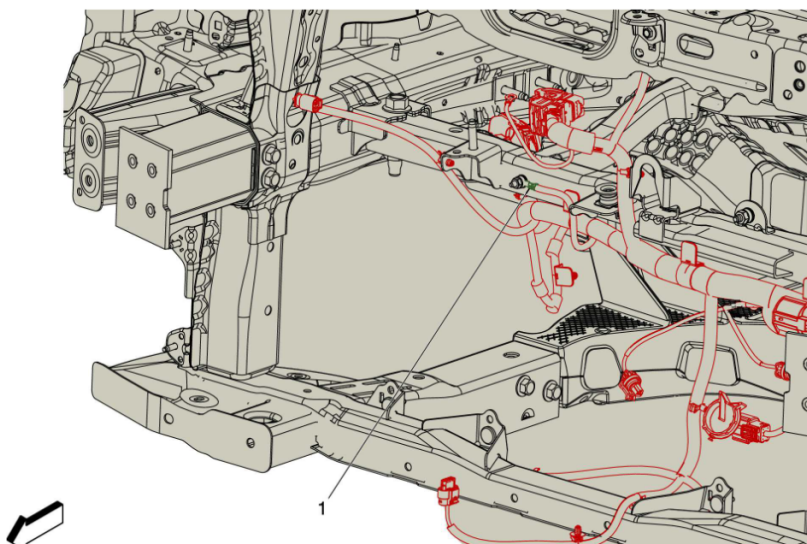


Fig. 7: G111

Courtesy of GENERAL MOTORS COMPANY

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1: G111 Engine Harness

Items

G112

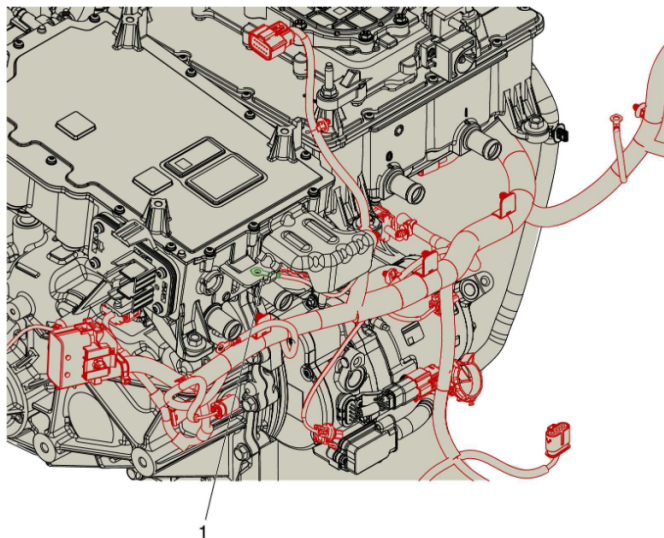


Fig. 8: G112

Courtesy of GENERAL MOTORS COMPANY

1: G112 Engine Harness

Items

G116



Fig. 9: G116

Courtesy of GENERAL MOTORS COMPANY

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1: G116 Engine Harness

Items

G150, G151, G153 AND G154

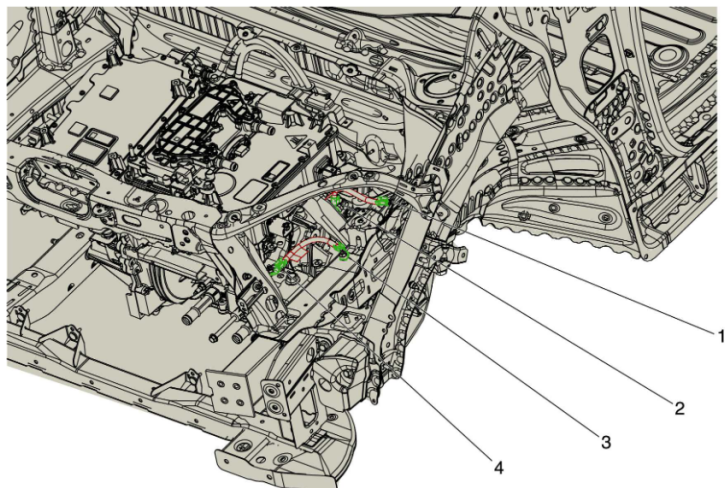


Fig. 10: G150, G151, G153 and G154

Courtesy of GENERAL MOTORS COMPANY

Items

1: G154 Ground Jumper Harness

2: G153 Ground Jumper Harness

3: G151 Ground Jumper Harness

4: G150 Ground Jumper Harness

G155 AND G156

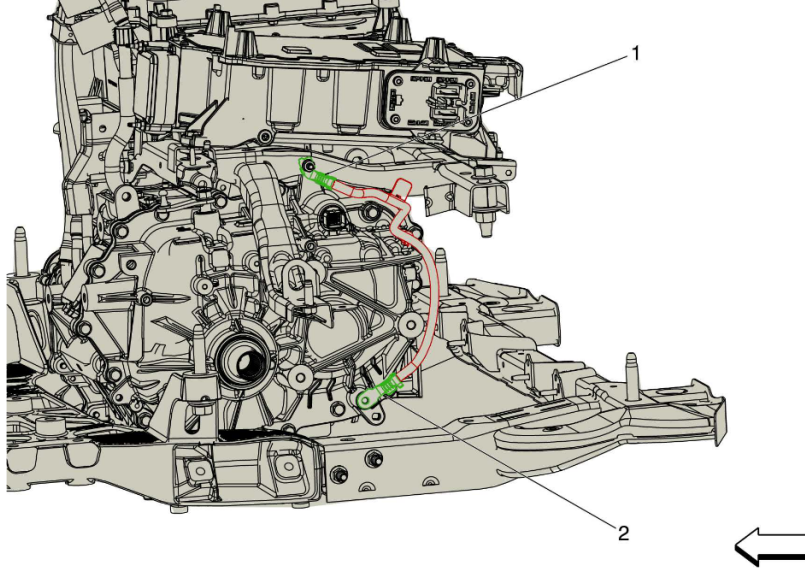


Fig. 11: G155 and G156

Courtesy of GENERAL MOTORS COMPANY

Items
1: G155 Ground Jumper Harness
2: G156 Ground Jumper Harness

G157 AND G158

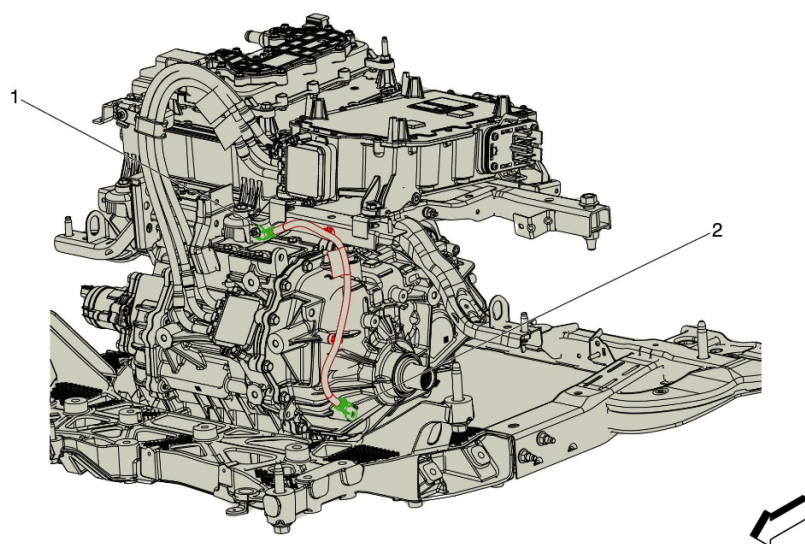


Fig. 12: G157 and G158

Courtesy of GENERAL MOTORS COMPANY

Items
1: G157 Ground Jumper Harness

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2: G158 Ground Jumper Harness

Items

G200



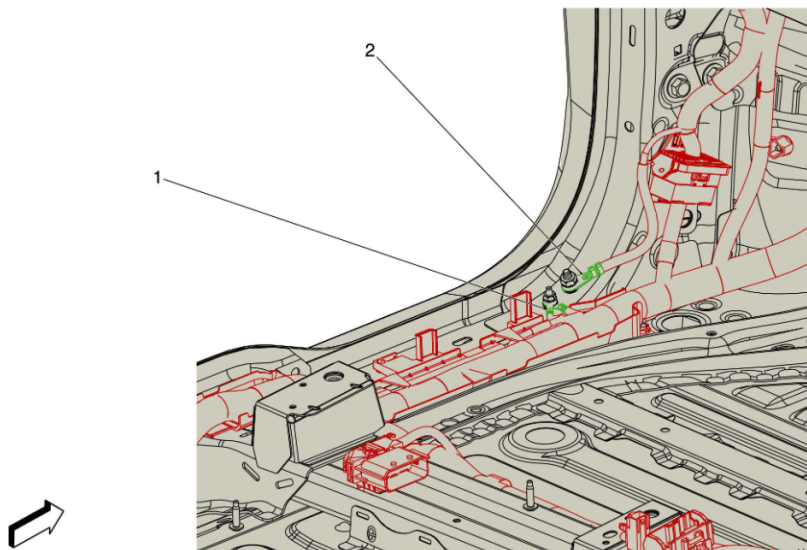
[Fig. 13: G200](#)

Courtesy of GENERAL MOTORS COMPANY

Items

1: G200 Instrument Panel Harness

G201 AND G304



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Fig. 14: G201 and G304

Courtesy of GENERAL MOTORS COMPANY

Items
1: G304 Body Harness
2: G201 Instrument Panel Harness

G202 AND G305

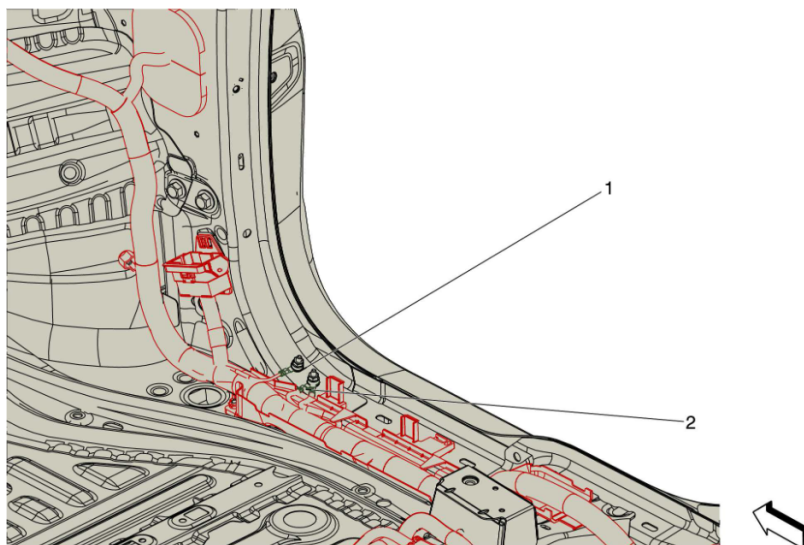


Fig. 15: G202 and G305

Courtesy of GENERAL MOTORS COMPANY

Items
1: G202 Instrument Panel Harness
2: G305 Body Harness

G310



1

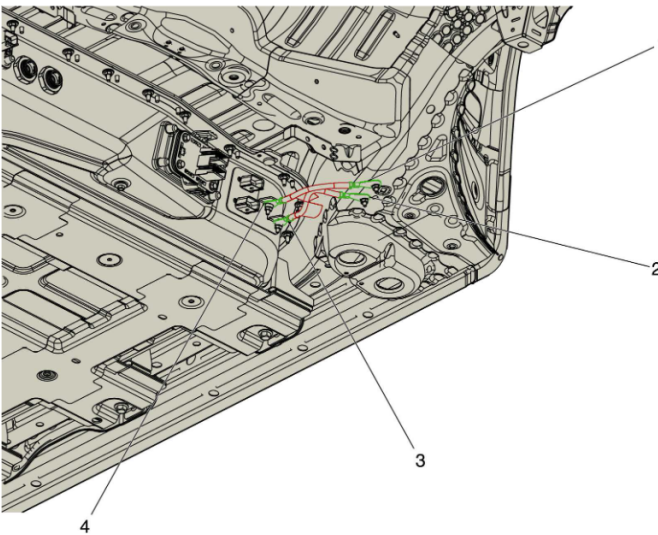


Fig. 16: G310

Courtesy of GENERAL MOTORS COMPANY

Items
1: G310 Instrument Panel Harness

G355, G356, G357 AND G358



1

2

3

4



Fig. 17: G355, G356, G357 and G358

Courtesy of GENERAL MOTORS COMPANY

Items
1: G357 Ground Jumper Harness

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Items
2: G355 Ground Jumper Harness
3: G356 Ground Jumper Harness
4: G358 Ground Jumper Harness

G401 AND G404



Fig. 18: G401 and G404
 Courtesy of GENERAL MOTORS COMPANY

Items
1: G404 Body Harness
2: G401 Body Harness

G405



Fig. 19: G405
 Courtesy of GENERAL MOTORS COMPANY

Items
1: G405 Body Harness

G900

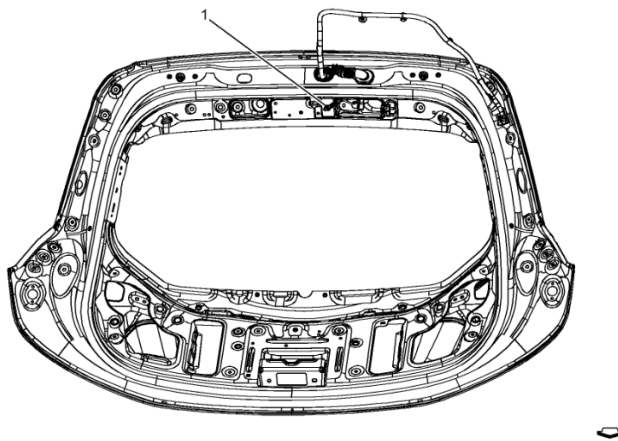
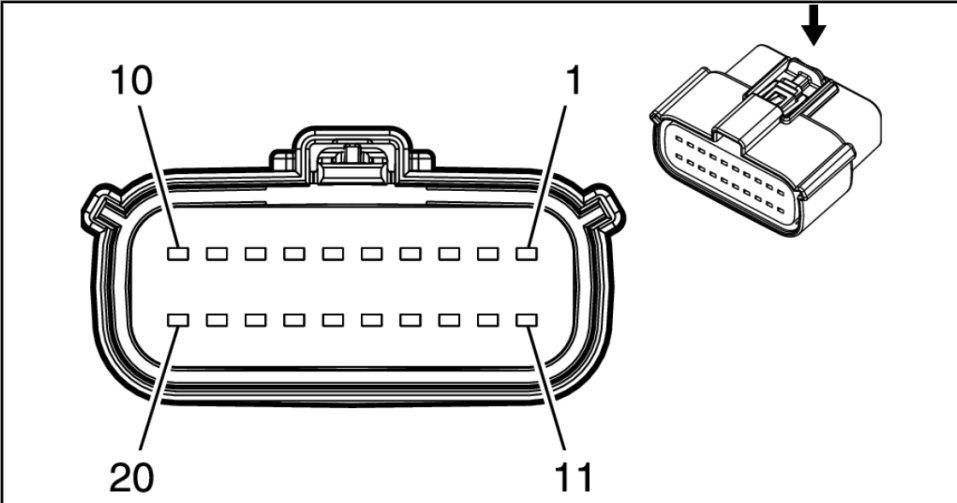


Fig. 20: G900
 Courtesy of GENERAL MOTORS COMPANY

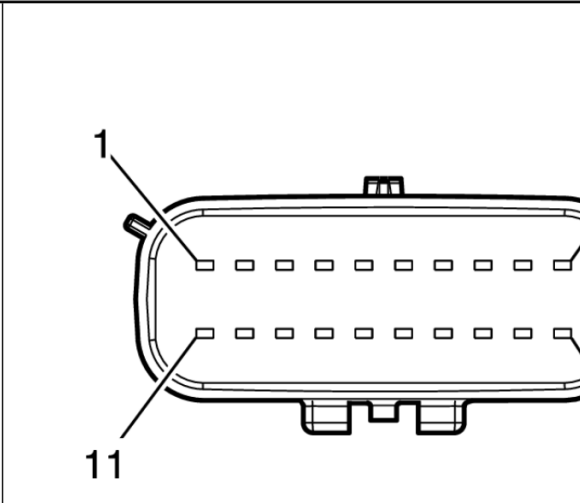
Items
1: G900 Liftgate Extension Harness

INLINE HARNESS CONNECTOR END VIEWS**X101 FORWARD LAMP HARNESS TO FRONT FASCIA HARNESS (UD5/UFQ/UVH)**



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-2006
- Service Connector: 19300557
- Description: 20-Way F 150 MX Series, Sealed (BK)



Connector Part Information

- Harness Type: Front Fascia
- OEM Connector: 33482-2101
- Service Connector: Service by Harness - See Part Catalog
- Description: 20-Way M 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Ter
1	-	-	-	-	-	Left Front Turn Signal Lamp Control	1	0.5	BU/WH	1314	
2	-	-	-	-	-	Ground	2	0.5	BK	50	
3	0.5	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	3	0.5	GN/VT	1315	
4	0.5	BK	250	I	-	Ground	4	0.5	BK	250	
5	-	-	-	-	-	Not Occupied	5	-	-	-	
6	0.5	WH/BN	6201	I	UVH	Camera Control	6	0.5	WH/BN	6201	
7	0.5	VT/GY	5218	I	UD5/UFQ	Front Parking Right Mid Sensor	7	0.5	VT/GY	5218	
8	0.5	WH/GY	5217	I	UD5/UFQ	Front Parking Right Corner Sensor	8	0.5	WH/GY	5217	
9	0.5	GN	3155	I	UFQ	Right Front Supplemental Object Sensor Signal	9	0.5	GN	3155	
10	0.5	BK/BU	5214	I	UD5/UFQ	Front Parking Sensor Low Reference	10	0.5	BK/BU	5214	
11	0.5	BK/BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	11	0.5	BK/BU	61	
12	0.5	BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	12	0.5	BU/GY	636	
13	0.5	BN/BK	6202	I	UVH	Camera Ground	13	0.5	BN/BK	6202	
14	0.5	BK/WH	2351	I	UVH	Signal Ground	14	0.5	BK/WH	2351	
15	0.5	WH	2397	I	UVH	Front Vision Camera #1 Signal (+)	15	0.5	WH	2397	
16	0.5	BU	2398	I	UVH	Front Vision Camera #1 Signal (-)	16	0.5	BU	2398	
17	0.5	GY	3154	I	UFQ	Left Front Supplemental Object Sensor Signal	17	0.5	GY	3154	
18	0.5	VT/WH	5215	I	UD5/UFQ	Front Parking Left Corner Sensor	18	0.5	VT/WH	5215	
19	0.5	YE	5216	I	UD5/UFQ	Front Parking Left Mid Sensor	19	0.5	YE/GY	5216	
20	0.5	BN	6581	I	UD5/UFQ	Front Parking Aid Display Control	20	0.5	BN	6581	

X101 FORWARD LAMP HARNESS TO FRONT FASCIA HARNESS (-UD5/UFQ/UVH)

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	BU/WH	1314	I	-	Left Front Turn Signal Lamp Control	1	0.5	BU/WH	1314
2	0.5	BK	50	I	-	Ground	2	0.5	BK	50
3	0.5	BK/BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	3	0.5	BK/BU	61
4	0.5	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	4	0.5	GN/VT	1315
5	0.5	BK	250	I	-	Ground	5	0.5	BK	250
6	0.5	BU/GY	636	I	-	Outside Ambient Air Temperature Sensor Signal	6	0.5	BU/GY	636

X105 BODY HARNESS TO ENGINE HARNESS

Connector Part Information

- Harness Type: Body
- OEM Connector: 13603185
- Service Connector: 13576549
- Description: 40-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

- Harness Type: Engine
- OEM Connector: 13603208
- Service Connector: 13576551
- Description: 40-Way M 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

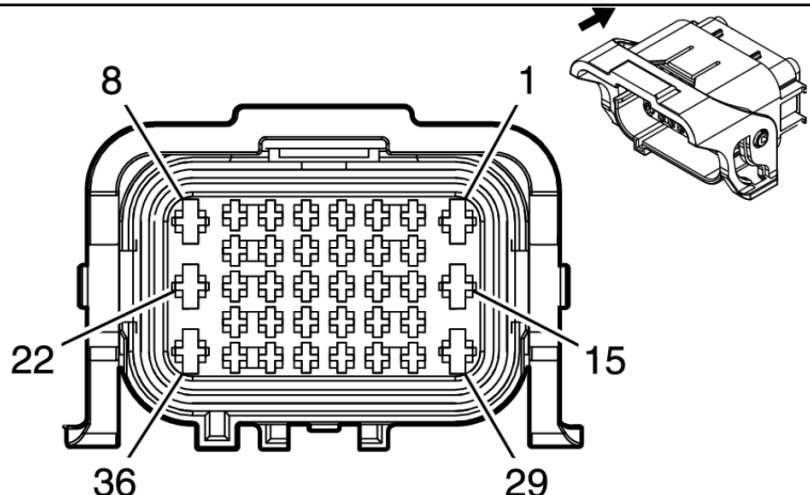
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13576369	J-35616-14 (GN)	J-38125-560	Not Available	Not Available
II	13580834	J-35616-14 (GN)	J-38125-560	Not Available	Not Available
III	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.5	BU/RD	4331	I	CBT	High Power Contactor Signal Conditioner Voltage Reference	2	0.5	BU/RD	4331
3	0.5	GN	4330	I	CBT	High Power Contactor Positive Voltage Sense Signal	3	0.5	GN	4330
4	0.5	YE	4327	I	CBT	High Power Contactor Positive Relay Control	4	0.5	YE	4327
5	0.5	YE/BK	3000	I	-	Coolant Temperature Sensor 2 Signal	5	0.5	YE/BK	3000
6	0.5	BK/VT	5596	I	-	High Voltage Interlock Loop Low Reference 2	6	0.5	BK/VT	5596
7	0.5	BU/RD	474	I	-	5V Reference	7	0.5	BU/RD	474
8	-	-	-	-	-	Not Occupied	8	-	-	-
9	0.5	RD/YE	240	I	-	Battery Positive Voltage	9	0.5	RD/YE	240
10	0.5	BU/BK	7493	I	-	High Speed GMLAN Serial Data (+)3	10	0.5	BU/BK	7493
11	-	-	-	-	-	Not Occupied	11	-	-	-
12	0.5	BU	2500	I	-	High Speed GMLAN Serial Data (+) 1	12	0.5	BU	2500
13	0.5	YE/GY	3645	I	-	High Voltage Onboard Charging Control	13	0.5	YE/GY	3645
14	0.5	BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) 2	14	0.5	BU/YE	6105
15	0.5	VT/WH	3643	I	-	High Voltage Onboard Charging DC Voltage Sense Signal	15	0.5	VT/WH	3643
16 - 18	-	-	-	-	-	Not Occupied	16 - 18	-	-	-
19	0.5	WH	7494	I	-	High Speed GMLAN Serial Data (-)3	19	0.5	WH	7494
						Local Interconnect				

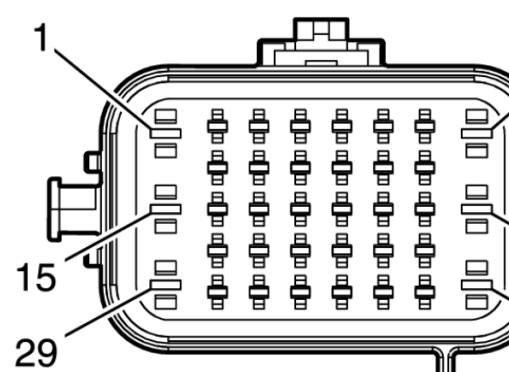
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
35	0.5	GY	4329	I	CBT	High Power Contactor Ground Voltage Sense Signal	35	0.5	GY	4329
36	0.5	BU/GY	4326	I	CBT	High Power Contactor Ground Relay Control	36	0.5	BU/GY	4326
37	0.5	BK/BU	6813	I	-	Coolant Temperature Sensor 2 Low Reference	37	0.5	BK/BU	6813
38	0.5	GY/VT	5595	I	-	High Voltage Interlock Loop Signal 2	38	0.5	GY/VT	5595
39	0.5	BK/GN	3800	I	-	A/C Refrigerant Sensor Low Reference	39	0.5	BK/GN	3800
40	0.75	WH	2368	II	-	Cooling Fan Control Signal	40	0.75	WH	2368

X106 BODY HARNESS TO ENGINE HARNESS



Connector Part Information

- Harness Type: Body
- OEM Connector: 1743059-2
- Service Connector: 13580088
- Description: 36-Way F Micro-Timer II, Junior Power Timer Series (BK)



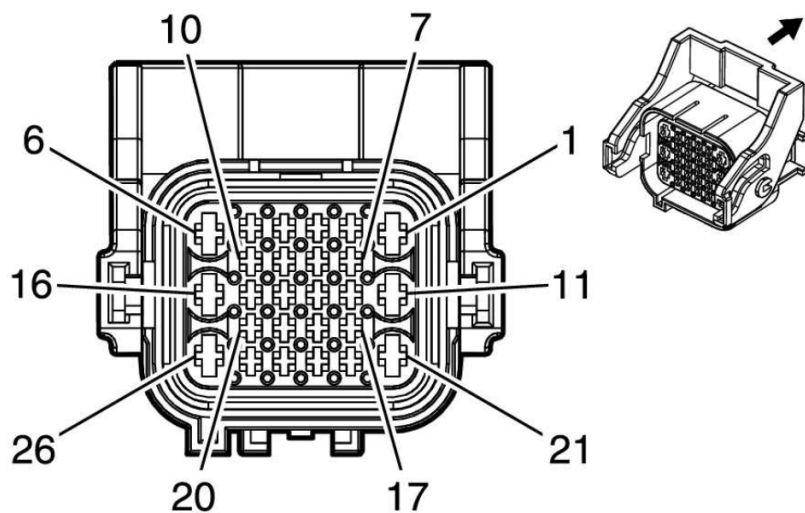
Connector Part Information

- Harness Type: Engine
- OEM Connector: 1743062-2
- Service Connector: 13580089
- Description: 36-Way M Micro-Timer II, Junior Power Timer

Terminal Part Information

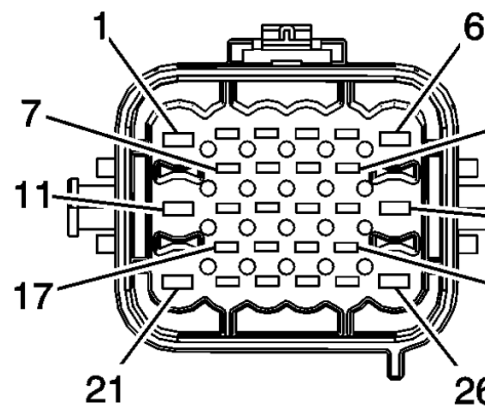
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13576368	J-35616-14 (GN)	J-38125-560	4-969005-1	Lear 16
II	13581378	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.5	WH/GN	5380	I	-	Brake Position Sensor Signal	2	0.5	WH/GN	5380
3	0.5	WH/RD	5381	I	-	Brake Position Sensor 5V Reference	3	0.5	WH/RD	5381
4	0.5	BK/YE	5382	I	-	Brake Position Sensor Low Reference	4	0.5	BK/YE	5382
5	0.5	WH/BU	6311	I	-	Cruise/ETC/TCC Brake Signal	5	0.5	WH/BU	6311
6 - 9	-	-	-	-	-	Not Occupied	6 - 9	-	-	-
10	0.5	BU/VT	2364	I	-	Cooling Fan Speed Signal	10	0.5	BU/VT	2364
11	0.5	WH/GN	3794	I	-	Rechargeable Energy Storage System 1 Coolant Motor Control	11	0.5	WH/GN	3794
12	0.5	BU/VT	3795	I	-	Rechargeable Energy Storage System 1 Coolant Motor Control	12	0.5	BU/VT	3795
13	0.5	YE/GY	3796	I	-	Rechargeable Energy Storage System 1 Coolant Motor Feedback Signal	13	0.5	YE/GY	3796
14	0.5	RD/WH	2740	I	-	Battery Positive Voltage	14	0.5	RD/WH	2740
15	-	-	-	-	-	Not Occupied	15	-	-	-
16	0.5	YE/WH	1161	I	-	Accelerator Pedal Position Signal 1	16	0.5	YE/WH	1161
17	0.5	GN/WH	1162	I	-	Accelerator Pedal Position Signal 2	17	0.5	GN/WH	1162
18	0.5	WH/RD	1164	I	-	Accelerator Pedal Position 5V Reference 1	18	0.5	WH/RD	1164
19	0.5	BK/BU	1271	I	-	Accelerator Pedal Position Low Reference 1	19	0.5	BK/BU	1271
20	0.5	BK/VT	1272	I	-	Accelerator Pedal Position Low Reference 2	20	0.5	BK/VT	1272
21	0.5	BN/RD	1274	I	-	Accelerator Pedal Position 5V Reference 2	21	0.5	BN/RD	1274
22	-	-	-	-	-	Not Occupied	22	-	-	-



Connector Part Information

- Harness Type: Body
- OEM Connector: 1897009-2
- Service Connector: 13579377
- Description: 26-Way F 1.5 Micro-Timer 2, 2.8 Junior Power Timer Series, Sealed (BK)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 1897013-2
- Service Connector: 13579378
- Description: 26-Way M Micro-Timer II, Junior Power Timer

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13576368	J-35616-14 (GN)	J-38125-560	4-969005-1	Lear 16
II	19301414	J-35616-35 (VT)	J-38125-36	4-964286-1	Lear 16
III	13575350	J-35616-5 (PU)	J-38125-36	1-962915-3	Yazaki 15
IV	13581378	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28

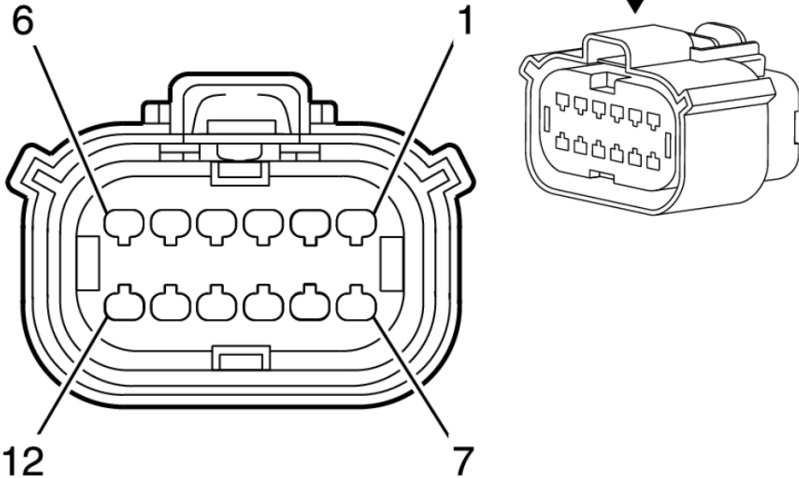
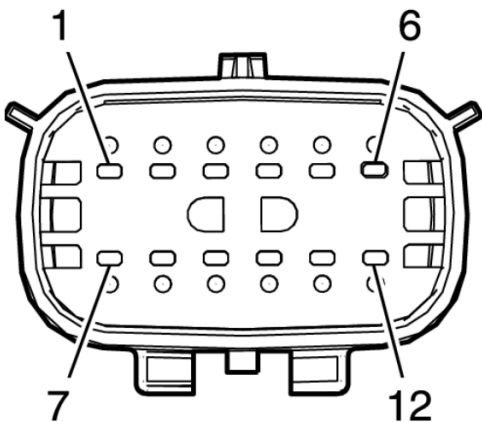
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	YE	712	II	-	Left Headlamp Low Beam Control	1	0.5	YE	712
2	0.35	BN	6581	I	UD5/UFQ	Front Parking Aid Display Control	2	0.5	BN	6581
3	0.35	GY	3154	I	UFQ	Left Front Supplemental Object Sensor Signal	3	0.5	GY	3154
4	0.35	VT/WH	5215	I	UD5/UFQ	Front Parking Left Corner Sensor	4	0.5	VT/WH	5215
5	0.35	YE/GY	5216	I	UD5/UFQ	Front Parking Left Mid Sensor	5	0.5	YE	5216
6	0.5	YE	312	II	-	Right Headlamp Low Beam Control	6	0.5	YE	312
7	0.35	VT/GY	5218	I	UD5/UFQ	Front Parking Right Mid Sensor	7	0.5	VT/GY	5218
8	0.35	WH/GY	5217	I	UD5/UFQ	Front Parking Right Corner Sensor	8	0.5	WH/GY	5217
9	0.35	GN	3155	I	UFQ	Right Front Supplemental Object Sensor Signal	9	0.5	GN	3155
10	0.35	BK/BU	5214	I	UD5/UFQ	Front Parking Sensor Low Reference	10	0.5	BK/BU	5214
11	0.5	BK/BU	61	II	-	Outside Ambient Temperature Sensor Low Reference	11	0.5	BK/BU	61
12	0.5	GY/WH	7064	I	-	Wheel Speed Sensor Control Left Front	12	0.5	GY/WH	7064
13	0.5	GY	830	I	-	Wheel Speed Sensor Signal Left Front	13	0.5	GY	830
14	0.5	YE	5530	I	-	Hood Open Switch Signal	14	0.5	YE	5530
15	0.5	BN/GN	109	I	-	Hood Ajar Switch Signal	15	0.5	BN/GN	109
16	0.5	BU/GY	636	II	-	Outside Ambient Air Temperature Sensor Signal	16	0.5	BU/GY	636
17	0.5	BU/YE	68	I	-	Low Coolant Level Indicator Control	17	0.5	BU/YE	68
18	0.5	BK/GN	476	I	-	Sensor Low Reference	18	0.5	BK/GN	476
19	-	-	-	-	-	Not Occupied	19	-	-	-
20	0.35	BK/WH	2351	I	UVH	Signal Ground	20	0.35	BK/WH	2351
21	-	-	-	-	-	Not Occupied	21	-	-	-
22	0.35	WH/BN	6201	I	UVH	Camera Control	22	0.5	WH/BN	6201
23	0.35	BN/BK	6202	I	UVH	Camera Ground	23	0.5	BN/BK	6202
24	0.35	BU	2398	I	UVH	Front Vision Camera #1 Signal (-)	24	0.5	BU	2398
25	0.35	WH	2397	I	UVH	Front Vision Camera #1 Signal (+)	25	0.5	WH	2397
26	-	-	-	-	-	Not Occupied	26	-	-	-

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	OG/YE	354	I	AYF	Left Front Discriminating Sensor Signal	1	0.5	OG/YE	354
2	0.5 0.5	OG/GY BK/OG	6618 5045	I I	AY0+MBM AYF	Middle Front Discriminating Sensor Signal Left Front Discriminating Sensor Low Reference	2	0.5 0.5	OG/GY BK/OG	6618 5045
3	0.5 0.5	BK/OG OG/GN	6619 1409	I I	AY0+MBM AYF	Middle Front Discriminating Sensor Low Reference Right Front Discriminating Sensor Signal	3	0.5 0.5	BK/OG OG/GN	6619 1409
4	0.5	BK/OG	5600	I	AYF	Right Front Discriminating Sensor Low Reference	4	0.5	BK/OG	5600

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (TR6)

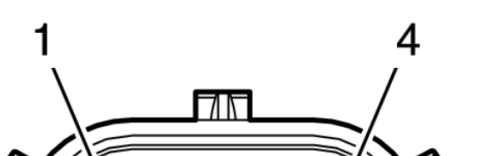
 Connector Part Information • Harness Type: Forward Lamp • OEM Connector: 33472-1251 • Service Connector: 13503528 • Description: 12-Way F 150 MX Series, Sealed (BK)	 Connector Part Information • Harness Type: Left Headlamp • OEM Connector: Not Available • Service Connector: Service by Harness - See Part Catalog • Description: 12-Way M
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Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13575808	J-35616-2A (GY)	J-38125-217	Not Available	Not Available
II	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.75	YE	712	I	TR6	Left Headlamp Low Beam Control	1	0.75	YE	712
2	0.5	WH	711	II	TR6	Left Headlamp High Beam Control	2	0.5	WH	711
3	0.5	YE	712	II	TR6	Left Headlamp Low Beam Control	3	0.5	YE	712
4	0.5	VT/GY	709	II	TR6	Left Park Lamp Control	4	0.5	VT/GY	709
5	0.5	VT/WH	239	II	TR6	Run/Crank Ignition 1 Voltage	5	0.5	VT/WH	239
6	-	-	-	-	-	Not Occupied	6	-	-	-
7	0.75	BK	50	I	TR6	Ground	7	0.75	BK	50
8	0.5	BK	50	II	TR6	Ground	8	0.5	BK	50
9	0.5	BK	50	II	TR6	Ground	9	0.5	BK	50
10	0.5	BK	50	II	TR6	Ground	10	0.5	BK	250
11	0.5	BN/YE	189	II	TR6	Headlamp Leveling Motor Control	11	0.5	BN/YE	189
12	-	-	-	-	-	Not Occupied	12	-	-	-

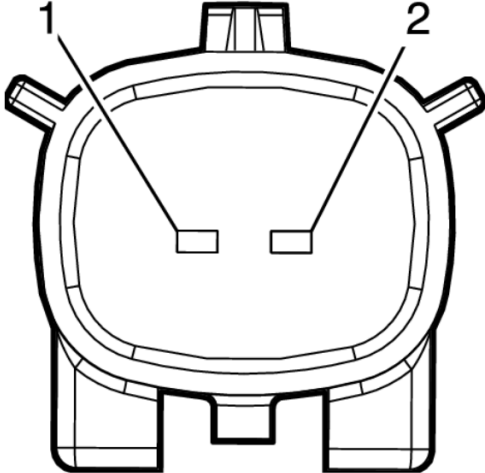
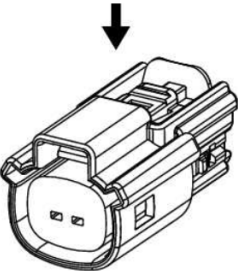
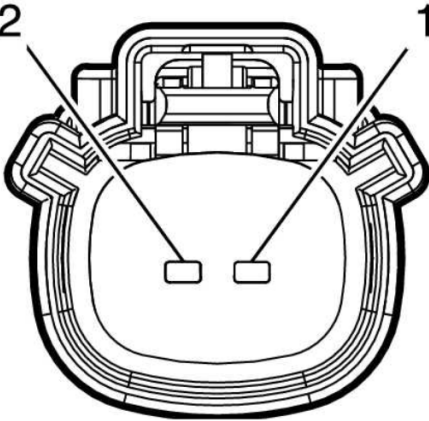
X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (-TR6)

	
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Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.75	YE	712	I	-TR6	Left Headlamp Low Beam Control	1	0.75	YE	712
2	0.5	WH	711	I	-TR6	Left Headlamp High Beam Control	2	0.5	WH	711
3	0.5	YE	712	I	-TR6	Left Headlamp Low Beam Control	3	0.5	YE	712
4	0.5	VT/GY	709	I	-TR6	Left Park Lamp Control	4	0.5	VT/GY	709
5	0.75	BK	50	I	-TR6	Ground	5	0.75	BK	50
6	0.5	BK	50	I	-TR6	Ground	6	0.5	BK	250
7	0.5	VT/GY	709	I	-TR6	Left Park Lamp Control	7	0.5	VT/GY	709
8	0.5	BK	50	I	-TR6	Ground	8	0.5	BK	50

X111 FRONT FASCIA HARNESS TO LEFT TURN SIGNAL HARNESS



Connector Part Information

- Harness Type: Front Fascia
- OEM Connector: 33471-0201
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F 1.5 Series, Sealed (BK)

Connector Part Information

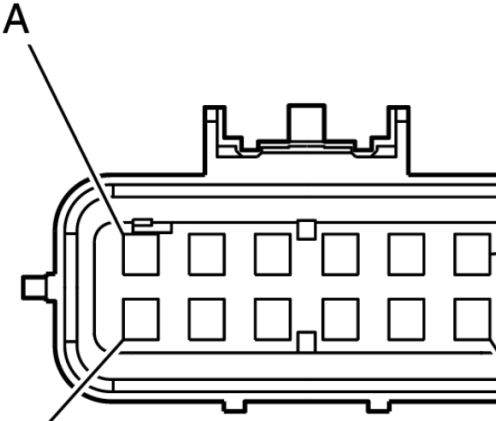
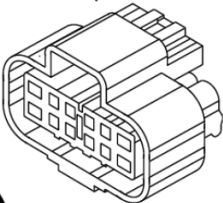
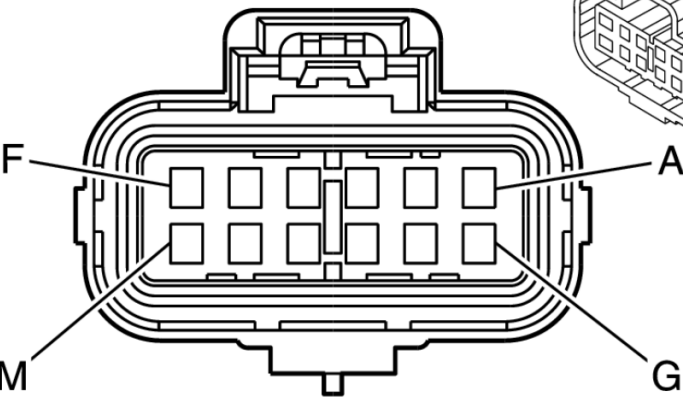
- Harness Type: Left Turn Signal
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	BU/WH	1314	I	-	Left Front Turn Signal Lamp Control	1	0.5	BU/WH	1314
2	0.5	BK	50	I	-	Ground	2	0.5	BK	50

X117 CHARGE RECEPTACLE HARNESS TO BODY HARNESS (CBT)



Connector Part Information

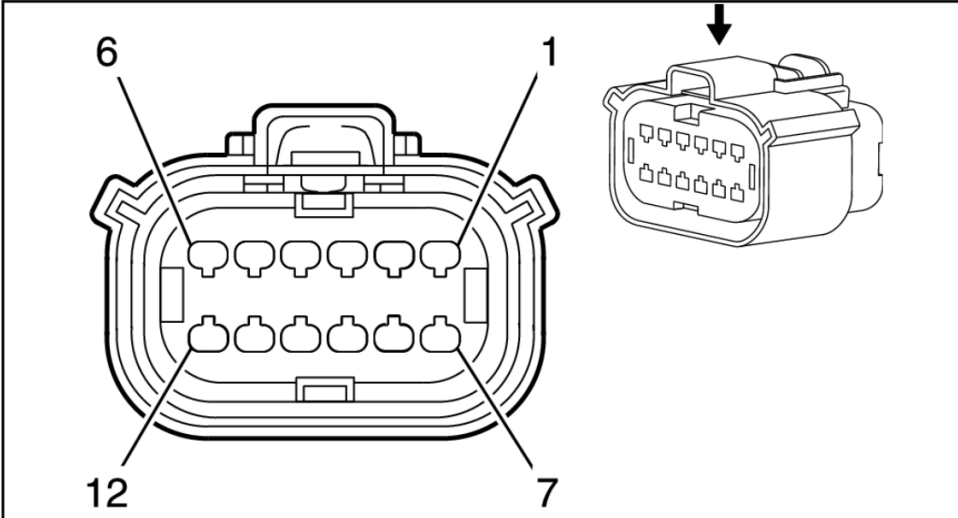
- Harness Type: Charge Receptacle
- OEM Connector: Not Available

Connector Part Information

- Harness Type: Body
- OEM Connector: 15326854

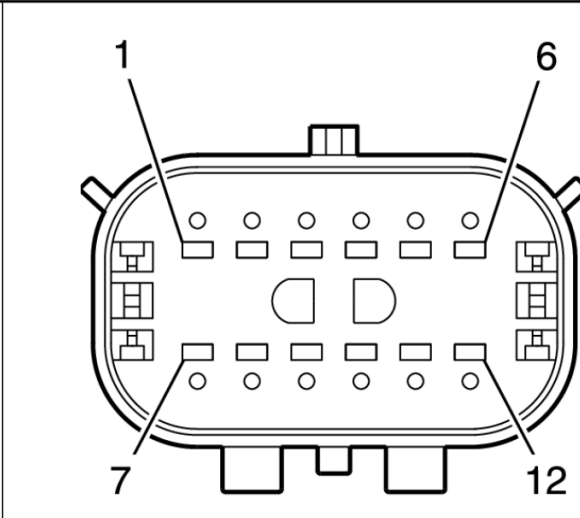
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
H	0.5	BU/WH	2230	I	CBT	Charge Port Valve Motor Open Control	H	0.5	BU/WH	2230
J	0.75	BU/YE	3953	I	-	Proximity Status Signal 1	J	0.75	BU/YE	3953
K	0.75	GY/GN	3954	I	-	Control Pilot Signal 1	K	0.75	GY/GN	3954
L	0.5	WH/BU	3697	I	-	Charge Port Door Sensor Signal	L	0.5	WH/BU	3697
M	0.5	BK	650	I	-	Ground	M	0.5	BK	550

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (TR6)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-1251
- Service Connector: 13503528
- Description: 12-Way F 150 MX Series, Sealed (BK)



Connector Part Information

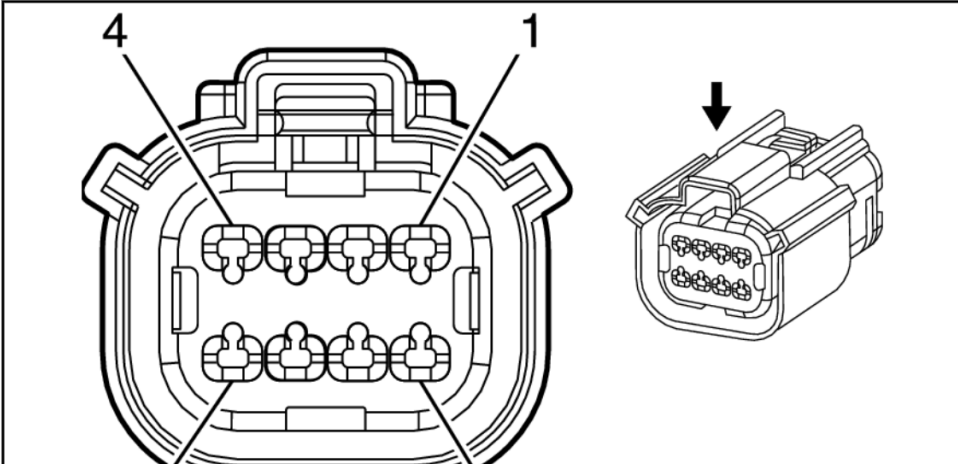
- Harness Type: Right Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way M

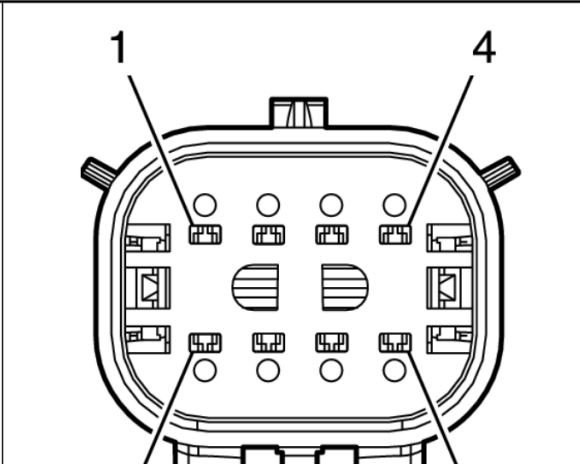
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13575808	J-35616-2A (GY)	J-38125-217	Not Available	Not Available
II	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.75	YE	312	I	TR6	Right Headlamp Low Beam Control	1	0.75	YE	312
2	0.5	WH	311	II	TR6	Right Headlamp High Beam Control	2	0.5	WH	311
3	0.5	YE	312	II	TR6	Right Headlamp Low Beam Control	3	0.5	YE	312
4	0.5	GY/BN	309	II	TR6	Right Park Lamp Control	4	0.5	GY/BN	309
5	0.5	VT/WH	239	II	TR6	Run/Crank Ignition 1 Voltage	5	0.5	VT/WH	239
6	-	-	-	-	-	Not Occupied	6	-	-	-
7	0.75	BK	250	I	TR6	Ground	7	0.75	BK	250
8	0.5	BK	250	II	TR6	Ground	8	0.5	BK	250
9	0.5	BK	250	II	TR6	Ground	9	0.5	BK	250
10	0.5	BK	250	II	TR6	Ground	10	0.5	BK	250
11	0.5	BN/YE	189	II	TR6	Headlamp Leveling Motor Control	11	0.5	BN/YE	189
12	-	-	-	-	-	Not Occupied	12	-	-	-

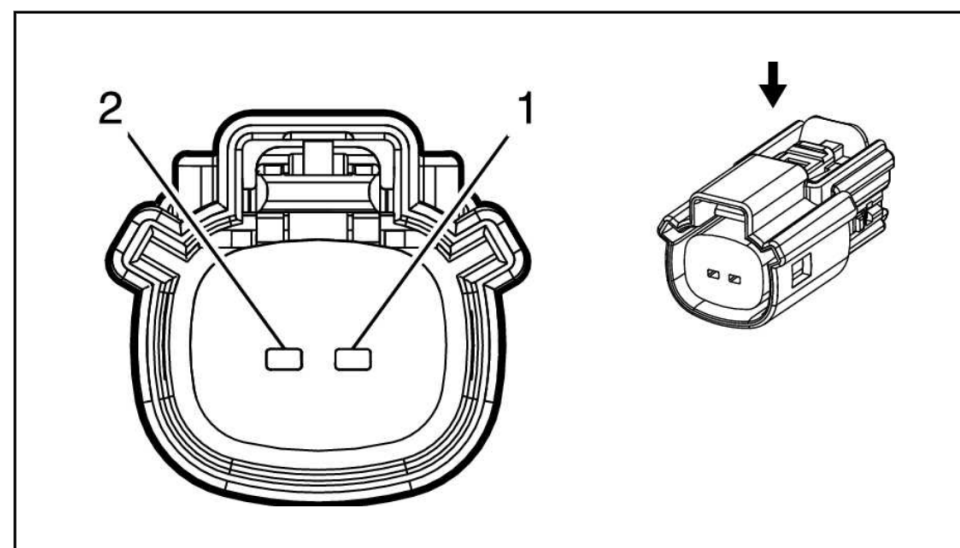
X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (-TR6)





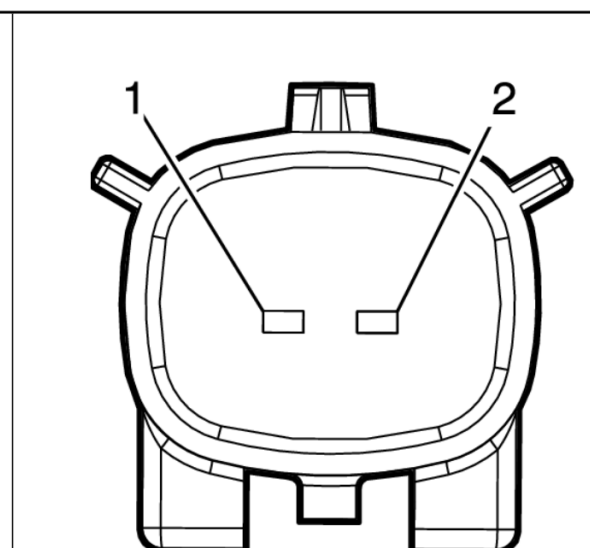
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
6	0.5	BK	250	I	-TR6	Ground	6	0.5	BK	250
7	0.5	GY/BN	309	I	-TR6	Right Park Lamp Control	7	0.5	GY/BN	309
8	0.5	BK	250	I	-TR6	Ground	8	0.5	BK	250

X121 FRONT FASCIA HARNESS TO RIGHT TURN SIGNAL HARNESS



Connector Part Information

- Harness Type: Front Fascia
- OEM Connector: 33471-0201
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F 1.5 Series, Sealed (BK)



Connector Part Information

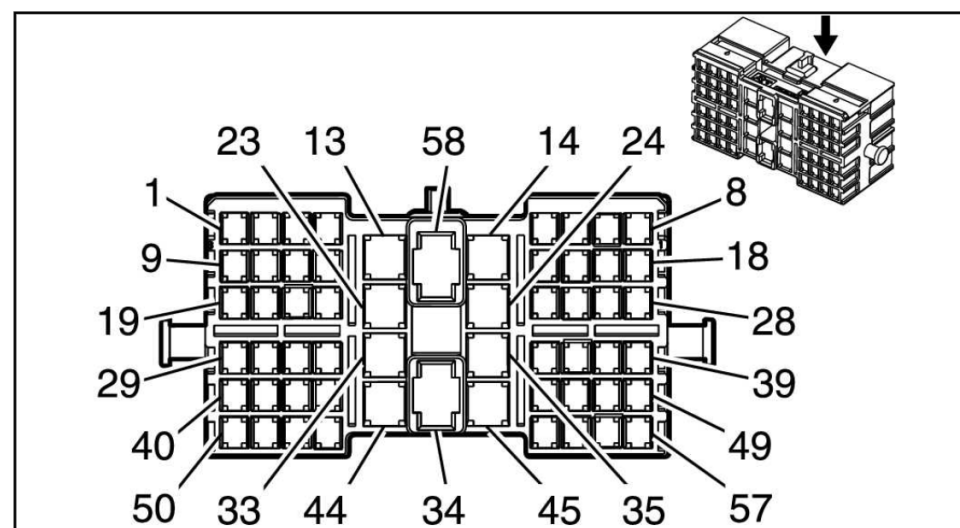
- Harness Type: Right Turn Signal
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

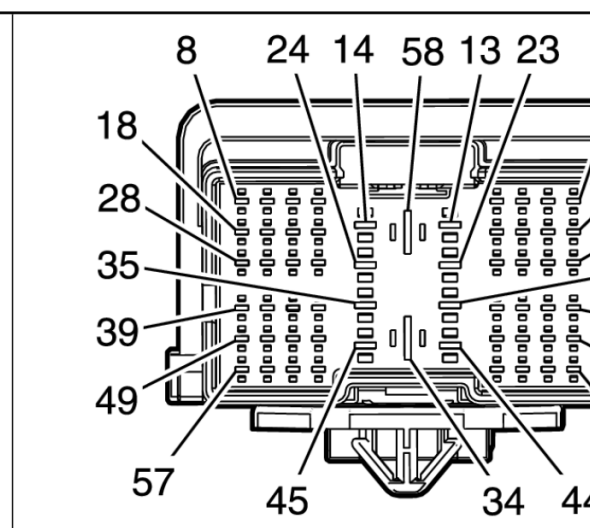
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	1	0.5	GN/VT	1315
2	0.5	BK	250	I	-	Ground	2	0.5	BK	250

X200 INSTRUMENT PANEL HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 2005281-3
- Service Connector: 13395410
- Description: 58-Way F 1.6, 2.8, 4.8 Timer Series (GY)



Connector Part Information

- Harness Type: Body
- OEM Connector: 2005275-3
- Service Connector: 13395409
- Description: 58-Way M 1.6, 2.8, 5.8 Timer Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13575471	J-35616-14 (GN)	J-38125-560	964274-2	Lear 16
II	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15
III	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15
IV	13575858	J-35616-42 (RD)	J-38125-36	927837-1	Lear 25
V	13575858	J-35616-42 (RD)	J-38125-36	927837-1	Lear 25
VI	13578858	J-35616-4A (PU)	J-38125-36	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID
14	0.75	BU/VT	807	VI	N06	OFF /Accessory Ignition Voltage	14	0.75	BU/VT	807	VI
15	0.75	RD/BU	4540	I	-	Battery Positive Voltage	15	0.5	RD/BU	4540	I
16	0.75	RD/VT	4640	I	-	Battery Positive Voltage	16	0.5	RD/VT	4640	I
17	0.35	WH/YE	7557	I	C9J	LED Ambient Lighting Control 1	17	0.35	WH/YE	7557	I
18	0.35	BN/WH	781	I	-	Driver Door Lock Switch Unlock Signal	18	0.35	BN/WH	781	I
19	0.5	GY	5127	I	-	After Boil Heater Relay Control	19	0.35	GY	5127	I
20	0.5	VT	3560	I	-	Passive Entry Driver Door Antenna Signal Hi	20	0.5	VT	3560	I
21	0.5	VT/GY	3561	I	-	Passive Entry Driver Door Antenna Signal Lo	21	0.5	VT/GY	3561	I
22	0.35	GN	4512	I	K4C	Wireless Charging System Charge Indicator Control	22	0.35	GN	4512	I
23	0.5	BN/YE	189	III	TR6	Headlamp Leveling Motor Control	23	0.5	BN/YE	189	III
24	0.5	BN/YE	6157	III	-	Left Rear Door Handle Switch Signal	24	0.5	BN/YE	6157	III
25	0.35	VT	2801	I	-	Retained Accessory Power Fuse Ignition	25	0.35	VT	2801	I
26	0.5	YE/BU	4086	I	-	Pushbutton Start Challenge Active Signal	26	0.5	YE/BU	4086	I
27	0.35	GY/WH	3153	I	-	Lane Departure Warning Disable Switch Signal	27	0.35	GY/WH	3153	I
28	0.35	WH	3152	I	-	Lane Departure Warning Indicator Control	28	0.35	WH	3152	I
29	0.35	VT/BU	3263	I	-	Logistic Mode Relay Open Control	29	0.35	VT/BU	3263	I
30	0.5	GN/BN	5852	I	UD5/UFQ	Rear Park Assist LED Disable Signal	30	0.5	GN/BN	5852	I
31	0.35	BU/BN	3161	I	UFQ	Parallel Park Assist Disable Switch Signal	31	0.35	BU/BN	3161	I
32	0.35	GY/VT	3264	I	-	Logistic Mode Relay Close Control	32	0.35	GY/VT	3264	I
33	0.35	RD/GN	6140	II	-	Battery Positive Voltage	33	0.35	RD/GN	6140	II
34	2	VT/GN	39	V	-	Run/Crank Ignition 1 Voltage	34	2	VT/GN	39	V
35	0.35	RD/GN	6140	II	AY0/AYF	Battery Positive Voltage	35	0.35	RD/GN	6140	II
36	0.35	BK/BN BK/BN	654	I	UE1 -UE1	Cellular Telephone Microphone Low Reference	36	0.35	BK/BN	654	I
	0.5		654	I		Cellular Telephone Microphone Low Reference					
37	0.35	BU BU	655	I	UE1 -UE1	Cellular Telephone Microphone Signal	37	0.35	BU	655	I
	0.5		655	I		Cellular Telephone Microphone Signal					
38	0.5	BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) 2	38	0.5	BU/YE	6105	I
39	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) 2	39	0.5	WH	6106	I
40	0.5	BK/BN	5360	I	-	Brake Apply Sensor Low Reference	40	0.5	BK/BN	5360	I
41	0.5	BU/YE	5361	I	-	Brake Apply Sensor Signal	41	0.5	BU/YE	5361	I
42	0.5	WH	5359	I	-	Brake Apply Sensor Control	42	0.5	WH	5359	I
43	0.35	VT	4601	I	K4C	Retained Accessory Power Fused Control	43	0.5	VT	4601	I
44	0.35	RD/YE	5840	II	-	Battery Positive Voltage	44	0.35	RD/YE	5840	II
45	0.35	GY/GN	2555	II	UD5/UFQ	Rear Park Assist Disable Signal	45	0.5	GY/GN	2555	II
46	0.35	GN/WH	2270	I	-	Rear Window Washer Relay Control	46	0.35	GN/WH	2270	I
47	0.35	GY/WH	3272	I	-	Remote Function Actuator Control	47	0.35	GY/WH	3272	I
48	0.35	GY	3273	I	-	Remote Function Actuator Low Reference	48	0.35	GY	3273	I
49	0.35	YE/GN	3274	I	-	Remote Function Actuator Transmit Signal	49	0.35	YE/GN	3274	I
50	0.35	BU/WH	3275	I	-	Remote Function Actuator Receive Signal	50	0.35	BU/WH	3275	I
51	0.75	RD/BU	5240	I	-	Battery Positive Voltage	51	0.75	RD/BU	5240	I
52	0.5	WH/BU	5986	I	-	Serial Data Communication Enable	52	0.5	WH/BU	5986	I
53	0.35	RD/GY	6240	I	-	Battery Positive Voltage	53	0.35	RD/GY	6240	I
54	0.35	RD/WH	5440	I	UD5/UD7/UFQ	Battery Positive Voltage	54	0.35	RD/WH	5440	I
55	0.35	VT/BK	2539	I	-	Run/Crank Ignition 1 Voltage	55	0.35	VT/BK	2539	I
56	0.35	GY/GN	1102	I	UVH	Low Speed GMLAN Serial Data #2	56	0.35	GY/GN	1102	I
57	0.35	GY	5054	I	-	Sport Mode Switch Signal	57	0.35	GY	5054	I
58	2.5	RD/BU	840	IV	-	Battery Positive Voltage	58	2.5	RD/BU	840	IV

INLINE HARNESS CONNECTOR END VIEWS

X205 INSTRUMENT PANEL HARNESS TO BODY HARNESS

The diagram shows two connector end views. The left view is for the Instrument Panel Connector, and the right view is for the Body Connector. Both diagrams show a 58-pin connector with terminals numbered 1 through 58. The Instrument Panel Connector has a 1.6, 2.8, 4.8 Timer Series (GY) description. The Body Connector has a 1.6, 2.8, 5.8 Timer Series (GY) description.

Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 2005281-3
- Service Connector: 13395410
- Description: 58-Way F 1.6, 2.8, 4.8 Timer Series (GY)

Connector Part Information

- Harness Type: Body
- OEM Connector: 2005275-3
- Service Connector: 13395409
- Description: 58-Way M 1.6, 2.8, 5.8 Timer Series (GY)

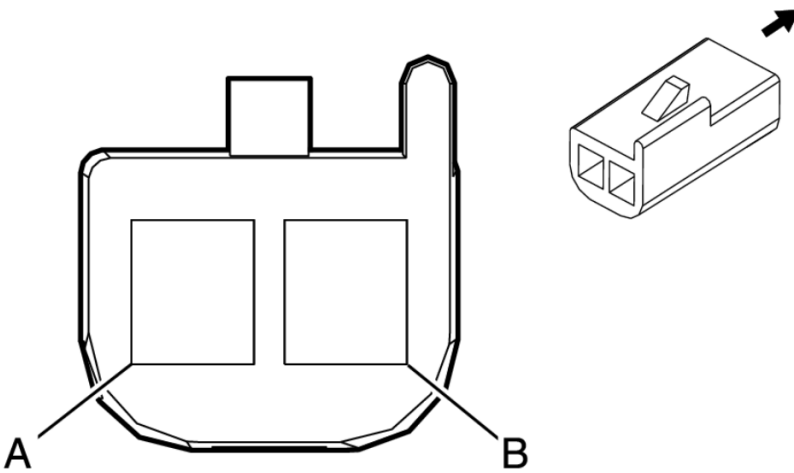
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	13575471	J-35616-14 (GN)	J-38125-560	964274-2	Lear 16	
II	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	
III	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	
IV	13578858	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	
V	13582335	J-35616-40 (BU)	J-38125-11A	Not Available	Not Available	
VI	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	
VII	13575593	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	
VIII	13575593	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	
IX	19331719	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	BN/GN	3568	I	-	Passive Entry Rear Closure Antenna Signal Hi	1	0.5	BN/GN	3568
2	0.5	GN/GY	3569	I	-	Passive Entry Rear Closure Antenna Signal Lo	2	0.5	GN/GY	3569
3	0.5	YE/VT	3956	I	-	Charging Status Indicator Control	3	0.5	YE/VT	3956
4	0.5	GY/GN	3957	I	-	Charging Pilot Signal Indicator Control	4	0.5	GY/GN	3957
5	0.35	VT/WH	5234	I	AY0/AYF	Passenger Seat Belt Indicator Control	5	0.35	VT/WH	5234
6	0.35	BU	2307	I	-	Passenger Air Bag On Indicator Control	6	0.35	BU	2307
7	0.35	GN	2308	I	-	Passenger Air Bag Off Indicator Control	7	0.35	GN	2308
8	0.35	GN/WH	4115	I	-	Local Interconnect Network Serial Data Bus 15	8	0.35	GN/WH	4115
9	0.75	BN/BU	118	I	UQA	Left Front Speaker Signal (-) 1	9	0.75	BN/BU	118
10	0.75	BU	201	I	UQA	Left Front Speaker Control (+) 1	10	0.75	BU	201
11	0.75	YE/BK	117	I	UQA	Right Front Speaker Signal (-) 1	11	0.75	YE/BK	117
12	0.75	YE	200	I	UQA	Right Front Speaker Control (+) 1	12	0.75	YE	200
13	0.5	YE	3831	III	-	High Speed GMLAN Serial Data (+) 6	13	0.5	YE	3831
14	0.5	WH	3832	III	-	High Speed GMLAN Serial Data (-) 6	14	0.5	WH	3832
15	0.5	BU/BK	7493	I	-	High Speed GMLAN Serial Data (+) 3	15	0.5	BU/BK	7493
16	0.5	WH	7494	I	-	High Speed GMLAN Serial Data (-) 3	16	0.5	WH	7494
17	0.5	GN/BU	4119	I	-	Local Interconnect Network Serial Data Bus 19	17	0.5	GN/BU	4119
18	0.5	GN/WH	3570	I	-	Driver Door Handle Switch Signal	18	0.5	GN/WH	3570
19	0.5	VT/WH	3571	I	-	Passenger Door Handle Switch Signal	19	0.5	VT/WH	3571
20	0.5	GN	5060	I	-	5-Wire CAN Bus 12V (+) 1D	20	0.5	GN	5060

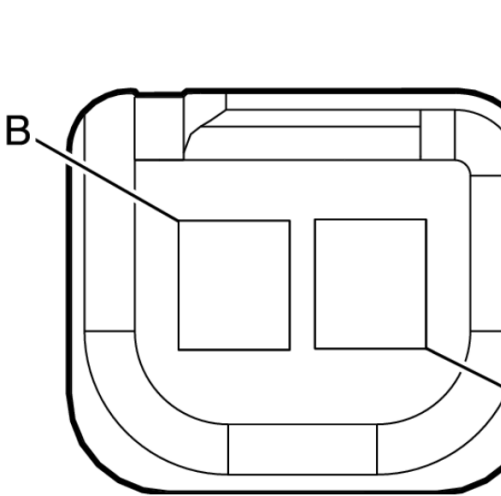
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
36	0.35	BN/VT	245	I	-	Passenger Door Lock Switch Unlock Control	36	0.35	BN/VT	245
37	0.35	RD/BN	5940	I	-	Battery Positive Voltage	37	0.35	RD/BN	5940
38	0.5	GN/YE	3562	I	-	Passive Entry Passenger Door Antenna Signal Hi	38	0.5	GN/YE	3562
39	0.5	GN/BK	3563	I	-	Passive Entry Passenger Door Antenna Signal Lo	39	0.5	GN/BK	3563
40	0.75 0.75	WH BN/WH	46 546	I I	UQ3 UQA	Right Rear Speaker Control (+) Right Rear Low Level Audio Signal	40	0.75 0.75	WH BN/WH	46 546
41	0.75 0.75	BU/BK BU/BK	115 1946	I I	UQ3 UQA	Right Rear Speaker Signal (-) Right Rear Low Level Audio (-) Low Reference	41	0.75 0.75	BU/BK BU/BK	115 1946
42	0.75 0.75	GN/BK BN/VT	116 1999	I I	UQ3 UQA	Left Rear Speaker Signal (-) Left Rear Low Level Audio (-) Low Reference	42	0.75 0.75	GN/BK BN/VT	116 1999
43	0.75 0.75	GN GN/BK	199 599	I I	UQ3 UQA	Left Rear Speaker Control (+) Left Rear Low Level Audio Signal	43	0.75 0.75	GN GN/BK	199 599
44	2	RD/VT	5640	IV	UQA	Battery Positive Voltage	44	2	RD/VT	5640
45	-	-	-	-	-	Not Occupied	45	-	-	-
46	0.75 0.75	YE/BK BU/BN	117 1546	I I	UQ3 UQA	Right Front Speaker Signal (-) 1 Front Low Level Audio (-) Low Reference	46	0.75 0.75	YE/BK BU/BN	117 1546
47	0.75 0.75	YE YE	200 512	I I	UQ3 UQA	Right Front Speaker Control (+) 1 Right Front Low Level Audio Signal	47	0.75 0.75	YE YE	200 512
48	0.75 0.75	BN/BU BN/BU	118 1947	I I	UQ3 UQA	Left Front Speaker Signal (-) 1 Left Front Low Level Audio (-) Low Reference	48	0.75 0.75	BN/BU BN/BU	118 1947
49	0.75 0.75	BU BU	201 511	I I	UQ3 UQA	Left Front Speaker Control (+) 1 Left Front Low Level Audio Signal	49	0.75 0.75	BU BU	201 511
50	0.5	BU	3554	I	-	Passive Start Interior Antenna 2 Signal Hi	50	0.5	BU	3554
51	0.5	GY/BK	3555	I	-	Passive Start Interior Antenna 2 Signal Lo	51	0.5	GY/BK	3555
52	0.5	RD/VT	340	I	-	Battery Positive Voltage	52	0.5	RD/VT	340
53	0.5	BK	2550	I	UQA	Ground	53	0.5	BK	2550
54	0.5	RD/YE	240	I	-	Battery Positive Voltage	54	0.5	RD/YE	240
55	0.5	WH/GN	3556	I	-	Passive Start Interior Antenna 3 Signal Hi	55	0.5	WH/GN	3556
56	0.5	GN	3557	I	-	Passive Start Interior Antenna 3 Signal Lo	56	0.5	GN	3557
57	0.5	BK	2550	I	UQA	Ground	57	0.5	BK	2550
58	-	-	-	-	-	Not Occupied	58	-	-	-

X207 CELLULAR PHONE MICROPHONE HARNESS TO HEADLINER HARNESS



Connector Part Information

- Harness Type: Cellular Phone Microphone
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F



Connector Part Information

- Harness Type: Headliner
- OEM Connector: 12047663
- Service Connector: 13584278
- Description: 2-Way M 150 Metri-Pack Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
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Connector Part Information

- Harness Type: Headliner
- OEM Connector: 2109452-2
- Service Connector: 19329739
- Description: 48-Way F 1.2 MCON, 2.8 MCP Series (BK)

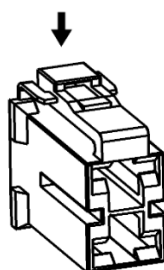
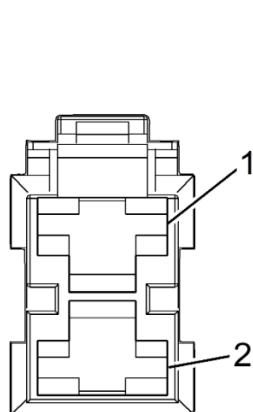
Connector Part Information

- Harness Type: Body
- OEM Connector: 5-2109455-2
- Service Connector: 19329740
- Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

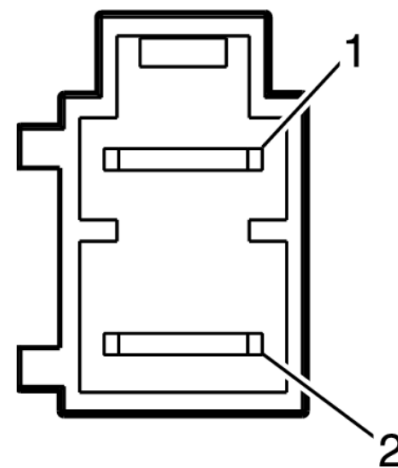
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	19119592	J-35616-35 (VT)	J-38125-557	Not Available	Not Available	
II	19329758	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	
III	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	
IV	19329749	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	GN/WH	24	I	-	Backup Lamp Control	1	0.5	GN/WH	24
2	0.5	BK	550	I	-	Ground	2	0.5	BK	550
3	0.5	VT/BK	339	I	-	Run/Crank Ignition 1 Voltage	3	0.35	VT/BK	339
4	0.35	RD/GY	6240	II	-	Battery Positive Voltage	4	0.35	RD/GY	6240
5	0.35	WH/BU	5986	II	-	Serial Data Communication Enable	5	0.35	WH/BU	5986
6	0.35	WH	3152	II	-	Lane Departure Warning Indicator Control	6	0.35	WH	3152
7	0.35	GY/WH	3153	II	-	Lane Departure Warning Disable Switch Signal	7	0.35	GY/WH	3153
8	0.35	BK	550	II	-	Ground	8	0.5	BK	550
9	0.35	BK/BN	654	II	-	Cellular Telephone Microphone Low Reference	9	0.35	BK/BN	654
10	0.35	BU	655	II	-	Cellular Telephone Microphone Signal	10	0.35	BU	655
11	0.35	YE/RD	597	II	-	5V Reference	11	0.35	YE/RD	597
12	0.35	BK/BU	7566	II	-	Humidity/Windscreen Temp Sensor Low Reference	12	0.35	BK/BU	7566
13 - 15	-	-	-	-	-	Not Occupied	13 - 15	-	-	-
16	0.35	GN/WH	2514	II	UE1	Keypad Signal	16	0.35	GN/WH	2514
17	0.35	GN/BK	2515	II	UE1	Keypad Control	17	0.35	GN/BK	2515
18	0.35	YE/VT	2516	II	UE1	Keypad Green LED Control	18	0.35	YE/VT	2516
19	0.35	BN/WH	2517	II	UE1	Keypad Red LED Control	19	0.35	BN/WH	2517
20	0.5	BK	550	II	UE1	Ground	20	0.5	BK	550
21	-	-	-	-	-	Not Occupied	21	-	-	-
22	0.5	WH/BN	6815	II	-	Inadvertent Power Control	22	0.5	WH/BN	6815
23	0.5	GY	157	II	-	Interior Lamp Control	23	0.5	GY	157
24	0.35	BK	550	II	AY0/AYF	Ground	24	0.5	BK	550
25	-	-	-	-	-	Not Occupied	25	-	-	-
26	0.35	GN	5060	I	-	Low Speed GMLAN Serial Data	26	0.35	GN	5060
27	0.5	BK	650	I	-	Ground	27	0.5	BK	650
28	0.35	GN	2308	II	-	Passenger Air Bag Off Indicator Control	28	0.35	GN	2308
29	0.35	VT/WH	5234	II	AY0/AYF	Passenger Seat Belt Indicator Control	29	0.35	VT/WH	5234
30	0.35	BU	2307	II	-	Passenger Air Bag On Indicator Control	30	0.35	BU	2307
31	0.35	GY/GN	7565	II	-	Windscreen Temp Sensor Signal	31	0.35	GY/GN	7565
32	0.35	GY/BU	7564	II	-	Humidity Sensor Signal	32	0.35	GY/BU	7564
33	0.35	YE/BU	3197	II	-	Humidity Temperature Sensor Signal	33	0.35	YE/BU	3197
34	0.35 0.5	BU BU	2500 2500	II II	UVX/UHY/UHX/UEU -UVX/UHY/UHX/UEU	High Speed GMLAN Serial Data (+) 1 High Speed GMLAN Serial Data (+) 1	34	0.5	BU	2500
35	0.35 0.5	WH WH	2501 2501	II II	UVX/UHY/UHX/UEU -UVX/UHY/UHX/UEU	High Speed GMLAN Serial Data (-) 1 High Speed GMLAN Serial Data (-) 1	35	0.5	WH	2501
36	-	-	-	-	-	Not Occupied	36	-	-	-
37	0.5	GY/GN	328	I	-	Interior Lamp Defeat Switch Signal	37	0.5	GY/GN	328
38	0.5	GY	156	I	-	Courtesy Lamp Switch Signal	38	0.5	GY	156
39	-	-	-	-	-	Not Occupied	39	-	-	-
40	0.35	RD/YE	3740	II	CE1	Battery Positive Voltage	40	0.35	RD/YE	3740
41	0.5	BK	550	II	CE1	Ground	41	0.5	BK	550
42 - 43	-	-	-	-	-	Not Occupied	42 - 43	-	-	-
44	0.35	GN/BN	6132	II	CE1	Local Interconnect Network Serial Data Bus 1	44	0.35	GN/BN	6132
45	-	-	-	-	-	Not Occupied	45	-	-	-
46	0.35 0.5	BU BU	2500 2500	II II	UVX/UHY/UHX/UEU -UVX/UHY/UHX/UEU	High Speed GMLAN Serial Data (+) 1 High Speed GMLAN Serial Data (+) 1	46	0.5	BU	2500



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: -
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F



Connector Part Information

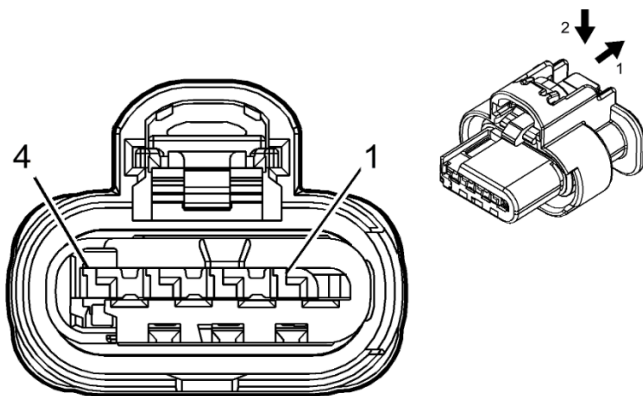
- Harness Type: Body
- OEM Connector: 7122-4123-30
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M 375 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-22 (RD)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-21 (RD)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	8	RD/GN	40	I	-	Battery Positive Voltage	1	8	RD/GN	40
2	8	RD/BU	42	I	-	Battery Positive Voltage	2	8	RD/BU	42

X215 INSTRUMENT PANEL HARNESS TO PASSENGER INSTRUMENT PANEL AIR BAG HARNESS



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 2138042-6
- Service Connector: 13586575
- Description: 4-Way F 1.2 MCON Series, Sealed (YE)

Connector Part Information

- Harness Type: Passenger Instrument Panel Air Bag
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	OG/WH	3024	I	AY0/AYF	Passenger IP Module Stage 1 Low Control	1	0.5	OG/WH	3024
2	0.5	YE/OG	3025	I	AY0/AYF	Passenger IP Module Stage 1 High Control	2	0.5	YE/OG	3025
3	0.5	OG/VT	3026	I	AY0/AYF	Passenger IP Module Stage 2 Low Control	3	0.5	OG/VT	3026
4	0.5	GY/OG	3027	I	AY0/AYF	Passenger IP Module Stage 2 High Control	4	0.5	GY/OG	3027

- Service Connector: 19354839
- Description: 2-Way F 150 GT Series (BK)

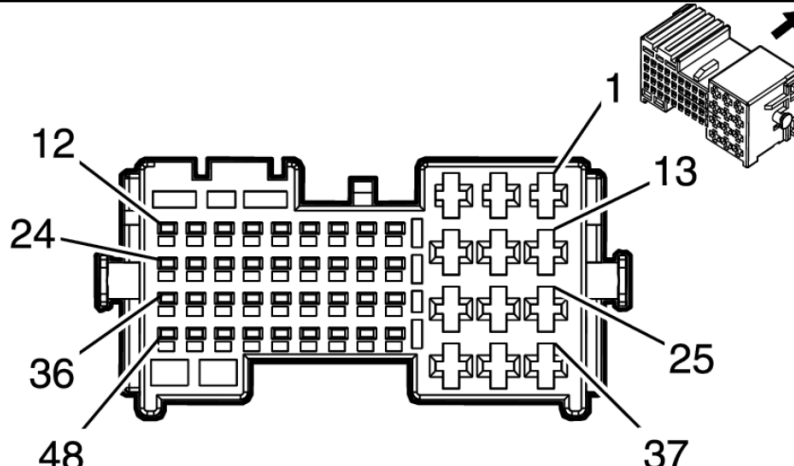
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	Not Available	No Tool Required	Not Required	Not Required

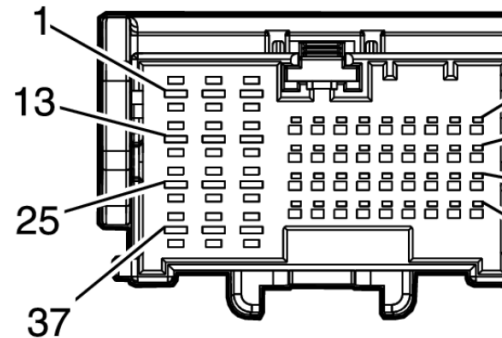
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
A	-	-	-	-	-	Not Occupied	A	-	-	-
B	0.5	BN	518	I	-	Lower Left Air Temperature Sensor Signal	B	0.5	BN	518

X300 FLOOR CONSOLE HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Floor Console
- OEM Connector: 2109452-2
- Service Connector: Service by Harness - See Part Catalog
- Description: 48-Way F 1.2 MCON, 2.8 MCP Series (BK)



Connector Part Information

- Harness Type: Body
- OEM Connector: 5-2109455-2
- Service Connector: 19329740
- Description: 48-Way M 1.2 MCON, 2.8 MCP Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required
III	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available
IV	19329749	J-35616-13 (BU)	J-38125-12A	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	VT	4601	II	K4C	Retained Accessory Power Fused Control	1	0.5	VT	4601
2 - 3	-	-	-	-	-	Not Occupied	2 - 3	-	-	-
4	0.35	BK	550	I	USS	Ground	4	0.35	BK	550
5	0.35	VT	2801	I	USS	Retained Accessory Power Fuse Ignition	5	0.35	VT	2801
6	0.5	BK	550	I	K4C	Ground	6	0.5	BK	550
7	0.35	GN	4512	I	K4C	Wireless Charging System Charge Indicator Control	7	0.35	GN	4512
8	0.5	BK	750	I	-	Ground	8	0.35	BK	750
9	0.35	RD/GN	6940	I	-	Battery Positive Voltage	9	0.35	RD/GN	6940
10	0.35	GN/VT	4759	I	-	Remote PRNDL Enable	10	0.35	GN/VT	4759
11	0.35	VT/GN	2629	I	-	Transmission Shifter Park Position Switch 1 Signal	11	0.35	VT/GN	2629
12	0.35	BK/GY	2630	I	-	Transmission Shifter Park Position Switch 1 Return	12	0.35	BK/GY	2630
13 - 15	-	-	-	-	-	Not Occupied	13 - 15	-	-	-
16	0.35	WH/GY	2631	I	-	Transmission Shifter Park Position Switch 2 Signal	16	0.35	WH/GY	2631
17	0.35	BK/VT	2632	I	-	Transmission Shifter Park Position Switch 2 Return	17	0.35	BK/VT	2632
18	0.35	YE/BU	2633	I	-	Transmission Shifter Position Sensor 2 Alpha Signal	18	0.35	YE/BU	2633
19	0.35	VT/BU	2634	I	-	Transmission Shifter Position Sensor 2 Beta Signal	19	0.35	VT/BU	2634
20	0.35	GN/RD	2635	I	-	Transmission Shifter Position Sensor 2 Voltage Reference	20	0.35	GN/RD	2635
21	0.35	BK/GN	2636	I	-	Transmission Shifter Position Sensor 2 Low Reference	21	0.35	BK/GN	2636

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
35	0.35	GN/VT	7533	I	-	Local Interconnect Network Serial Data Bus 11	35	0.35	GN/VT	7533
36	-	-	-	-	-	Not Occupied	36	-	-	-
37	0.5	BU	3554	II	-	Passive Start Interior Antenna 2 Signal Hi	37	0.5	BU	3554
38	0.5	GY/BK	3555	II	-	Passive Start Interior Antenna 2 Signal Lo	38	0.5	GY/BK	3555
39	-	-	-	-	-	Not Occupied	39	-	-	-
40	0.5	GN/BU	4626	I	-	Local Interconnect Network Serial Data Bus 26	40	0.5	GN/BU	4626
41	0.35	BU/VT	1134	I	-	Park Brake Switch Signal	41	0.35	BU/VT	1134
42	0.35	GY/RD	7684	I	-	Park Brake Apply Switch Voltage Reference	42	0.35	GY/RD	7684
43	0.35	BN	6107	I	-	Park Brake Apply Switch Signal	43	0.35	BN	6107
44	0.35	BU/BK	6108	I	-	Park Brake Release Switch Signal	44	0.35	BU/BK	6108
45	0.35	YE/RD	7683	I	-	Park Brake Release Switch Voltage Reference	45	0.35	YE/RD	7683
46	0.35	YE	1492	I	-	Park Brake Switch Supply Voltage	46	0.35	YE	1492
47	0.35	BK	2050	I	-	Ground	47	0.35	BK	2050
48	0.35	YE	6817	I	-	LED Backlight Dimming Control	48	0.35	YE	6817

X310 DRIVER SEAT HARNESS TO BODY HARNESS

Connector Part Information • Harness Type: Driver Seat • OEM Connector: 13674806 • Service Connector: Service by Harness - See Part Catalog • Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)	Connector Part Information • Harness Type: Body • OEM Connector: 13750010 • Service Connector: 19332380 • Description: 23-Way M 1.5 DSQ, 2.8 AST Series, Sealed (BK)
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Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required
III	13505800	J-35616-5 (PU)	J-38125-557	Not Available	Not Available
IV	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available
V	13579756	J-35616-3 (GY)	J-38125-560	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.75	BN/VT	2077	II	-	Driver Heated Seat Element Control	1	0.75	BN/VT	2077
2	-	-	-	-	-	Not Occupied	2	-	-	-
3	0.5	OG/BN	238	I	-	Driver Seat Belt Switch Signal	3	0.5	OG/BN	238
4	0.5	BK/OG	1363	I	-	Driver Seat Belt Switch Low Reference	4	0.5	BK/OG	1363
5	0.5	BK/YE	2080	I	-	Driver Heated Seat NTC Low Reference	5	0.5	BK/YE	2080
6	0.5	YE/GY	2079	I	-	Driver Heated Seat NTC Signal	6	0.5	YE/GY	2079
7	0.5	BU	2425	I	-	Driver Heated Back NTC Signal	7	0.5	BU	2425
8 - 9	-	-	-	-	-	Not Occupied	8 - 9	-	-	-
10	0.5	OG/BU	3068	I	-	Driver Side Impact Module High Control	10	0.5	OG/BU	3068
11	0.5	BK/OG	3069	I	-	Driver Side Impact Module Low Control	11	0.5	BK/OG	3069

Connector Part Information

- Harness Type: Passenger Seat
- OEM Connector: 13674806
- Service Connector: Service by Harness - See Part Catalog
- Description: 23-Way F 1.5 DSQ, 2.8 AST Series, Sealed (BK)

Connector Part Information

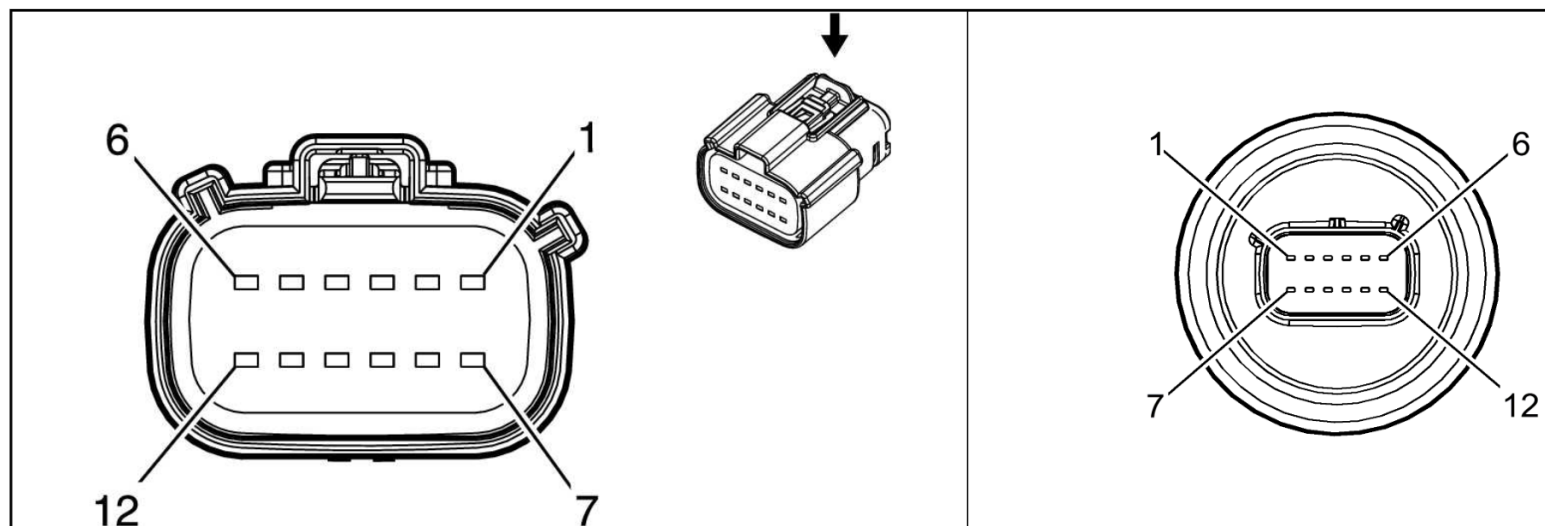
- Harness Type: Body
- OEM Connector: 13750010
- Service Connector: 19332380
- Description: 23-Way M 1.5 DSQ, 2.8 AST Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required
III	13505800	J-35616-5 (PU)	J-38125-557	Not Available	Not Available
IV	13505813	J-35616-5 (PU)	J-38125-557	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available
VI	13579756	J-35616-3 (GY)	J-38125-560	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	2	RD/BU	540	II	-	Battery Positive Voltage	1	1	RD/BU	540
2	0.5	OG/BN	7571	I	-	Passenger Seat Belt Reminder Signal	2	0.5	OG/BN	7571
3	0.5	OG/VT	1362	I	-	Passenger Seat Belt Switch Signal	3	0.5	OG/VT	1362
4	0.5	BK/OG	1361	I	-	Passenger Seat Belt Switch Low Reference	4	0.5	BK/OG	1361
5	0.75	VT/BK	2424	I	-	Driver Heated Back Element Low Reference	5	0.75	VT/BK	2424
6	0.5	BK/YE	2080	I	-	Driver Heated Seat NTC Low Reference	6	0.5	BK/YE	2080
7	0.5	YE/GY	2079	I	-	Driver Heated Seat NTC Signal	7	0.5	YE/GY	2079
8	0.75	BN/VT	2077	I	-	Driver Heated Seat Element Control	8	0.75	BN/VT	2077
9	0.5	GN/BU	6133	I	-	Local Interconnect Network Serial Data Bus 2	9	0.5	GN/BU	6133
10	0.5	OG/GY	3066	I	-	Passenger Side Impact Module High Control	10	0.5	OG/GY	3066
11	0.5	BU/OG	3067	I	-	Passenger Side Impact Module Low Control	11	0.5	BU/OG	3067
12	-	-	-	-	-	Not Occupied	12	-	-	-
13	0.5	RD/GN	2440	I	-	Battery Positive Voltage	13	0.5	RD/GN	2440
14	0.5	GN	5060	I	-	Low Speed GMLAN Serial Data	14	0.5	GN	5060
15	0.5	BK	750	I	-	Ground	15	0.5	BK	750
16	2	BK	850	II	-	Ground	16	2	BK	850
17	-	-	-	-	-	Not Occupied	17	-	-	-
18	0.5	OG/BN	3947	I	-	Automatic Locking Retractor Switch Signal	18	0.5	OG/BN	3947
19	0.5	GY/OG	3946	I	-	Automatic Locking Retractor Switch Low Reference	19	0.5	GY/OG	3946
20	-	-	-	-	-	Not Occupied	20	-	-	-
21	1.5	RD/BU	540	I	-	Battery Positive Voltage	21	1	RD/BU	540
22	-	-	-	-	-	Not Occupied	22	-	-	-
23	0.5	BU	2425	I	-	Driver Heated Back NTC Signal	23	0.5	BU	2425

X357 BODY HARNESS TO BATTERY CABLE HARNESS



Connector Part Information

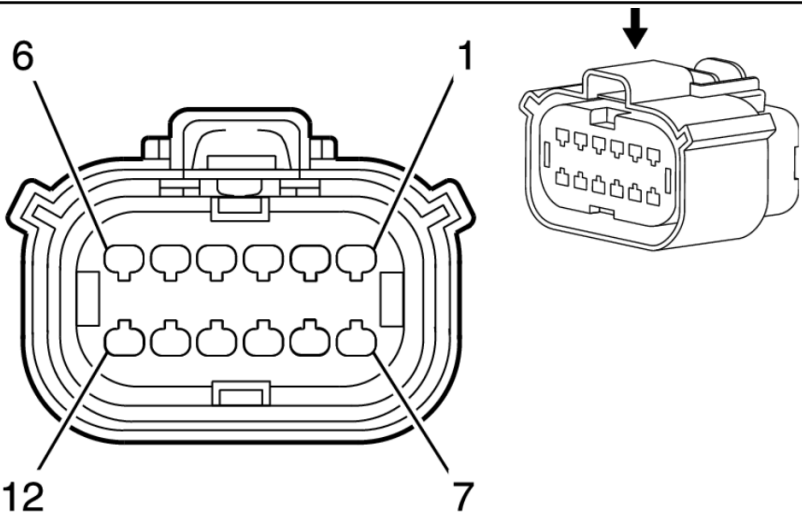
- Harness Type: Body
- OEM Connector: 33472-1259

Connector Part Information

- Harness Type: Battery Cable
- OEM Connector: Not Available

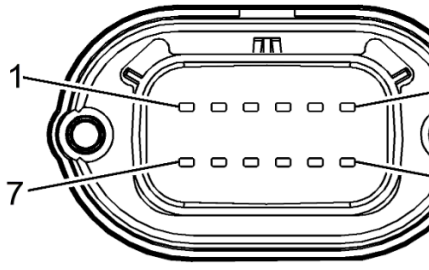
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
10	0.5	VT/GN	1339	I	-	Run/Crank Ignition 1 Voltage	10	0.5	VT/GN	1339
11	0.5	BU/BN	3787	I	-	High Voltage Energy Management Communication Control	11	0.5	BU/BN	3787
12	-	-	-	-	-	Not Occupied	12	-	-	-

X358 BODY HARNESS TO BATTERY HARNESS



Connector Part Information

- Harness Type: Body
- OEM Connector: 33472-1274
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way F 1.5 Series, Sealed (BK)



Connector Part Information

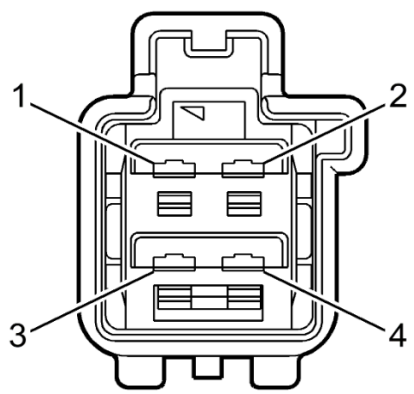
- Harness Type: Battery
- OEM Connector: 44725-2010
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way M MX150 Series (BK)

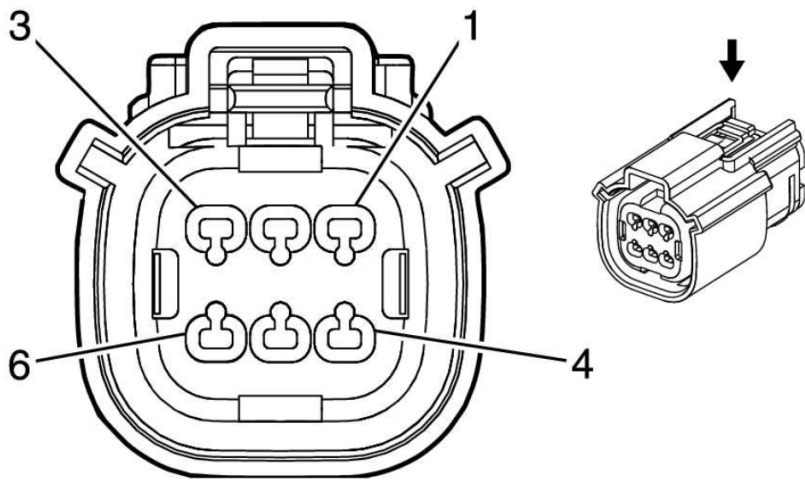
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	
II	Not Required	Not Available	No Tool Required	Not Required	Not Required	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	BK/BN	5087	I	-	High Voltage Interlock Loop Signal 1	1	-	VT	5087
2	-	VT	5088	I	-	High Voltage Interlock Loop Low Reference 1	2	-	BK/BN	5088
3	-	BN/GN	3959	I	-	High Voltage Battery 1 (+) Relay Control	3	-	BN/GN	3959
4	-	VT/GY	3961	I	-	High Voltage Battery (-) Relay Control	4	-	VT/GY	3961
5	-	YE/VT	3962	I	-	High Voltage Battery 3 (+) Relay Control	5	-	YE/VT	3962
6	-	-	-	-	-	Not Occupied	6	-	-	-
7	-	GY	5138	I	-	Precharge Relay	7	-	GY	5138
8	-	YE	5411	I	-	Battery Module Temperature Signal 7	8	-	YE	5411
9	-	BK/BU	3779	I	-	Battery Module Temperature Sensor Low Reference 7	9	-	BK	3779
10	-	BK	850	I	-	Ground	10	-	BK	850
11 - 12	-	-	-	-	-	Not Occupied	11 - 12	-	-	-

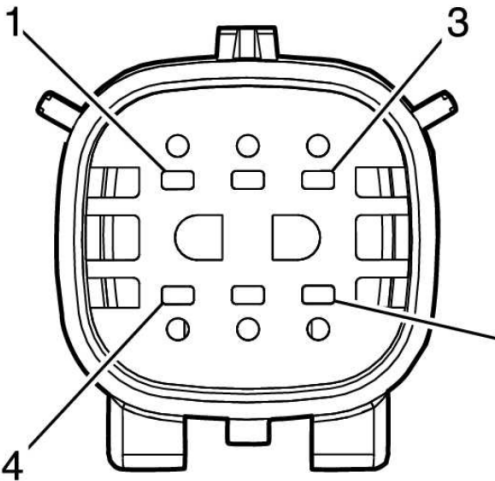
X360 RIGHT REAR SEAT HARNESS TO BODY HARNESS (KA6)





Connector Part Information

- Harness Type: Rear Fascia
- OEM Connector: 33472-0665
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way F 150 MX Series, Sealed (BK)



Connector Part Information

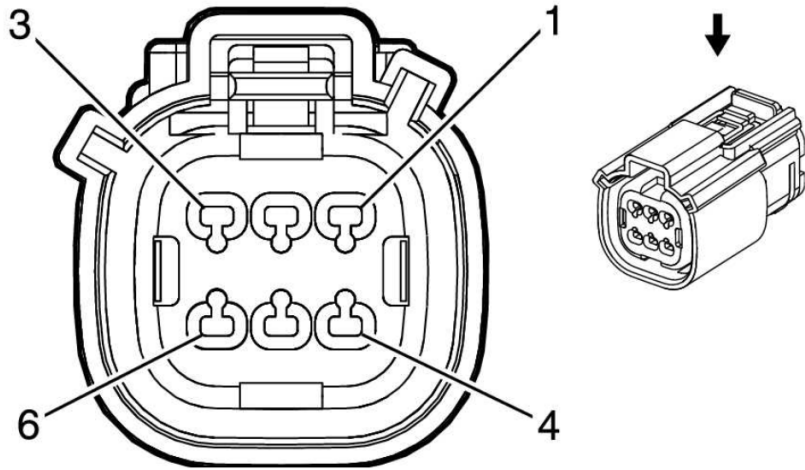
- Harness Type: Left Lamp Jumper
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

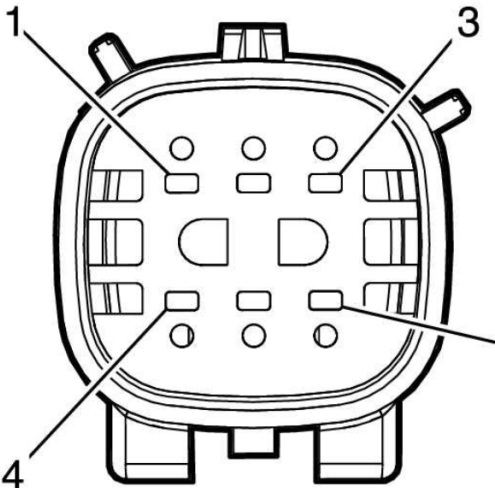
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.5	GY/YE	3687	I	TW5	Left Rear Supplemental Stop Lamp Control	2	0.5	GY/YE	3687
3	0.5	BU/WH	1334	I	TW5	Left Rear Turn Signal Lamp Control	3	0.5	BU/WH	1334
4	0.5	GN/WH	24	I	TW5	Backup Lamp Control	4	0.5	GN/WH	24
5	0.5	BK	1150	I	TW5	Ground	5	0.5	BK	1150
6	0.5	BK	1150	I	TW5	Ground	6	0.5	BK	1150

X410 REAR FASCIA HARNESS TO LEFT LAMP JUMPER HARNESS (VD1)



Connector Part Information

- Harness Type: Rear Fascia
- OEM Connector: 33472-0602
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way F 1.5 Series, Sealed (GY)



Connector Part Information

- Harness Type: Left Lamp Jumper
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.5	GY/YE	3687	I	VD1	Left Rear Supplemental Stop Lamp Control	2	0.5	GY/YE	3687
3	0.5	BU/WH	1334	I	VD1	Left Rear Turn Signal Lamp Control	3	0.5	BU/WH	1334

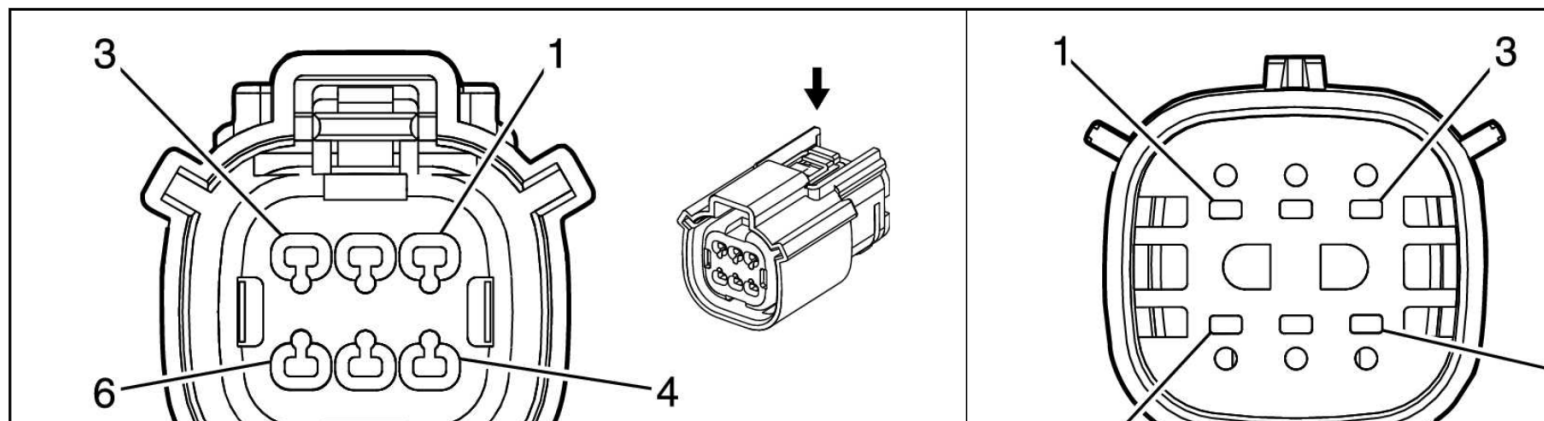
- Harness Type: Body
- OEM Connector: 1743059-2
- Service Connector: 13580088
- Description: 36-Way F Micro-Timer II, Junior Power Timer Series (BK)

- Harness Type: Rear Fascia
- OEM Connector: 1743062-2
- Service Connector: Service by Harness - See Part Catalog
- Description: 36-Way M Micro-Timer II, Junior Power Timer

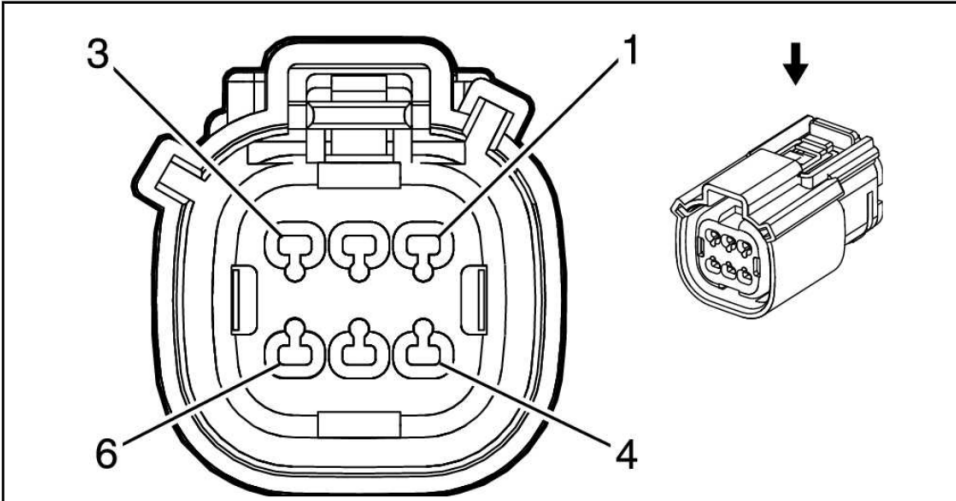
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	13576368	J-35616-14 (GN)	J-38125-560	4-969005-1	Lear 16
II	13576368	J-35616-14 (GN)	J-38125-560	Not Available	Not Available
III	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1 - 2	-	-	-	-	-	Not Occupied	1 - 2	-	-	-
3	0.5	GY/YE	3687	I	-	Left Rear Supplemental Stop Lamp Control	3	0.5	GY/YE	3687
4	0.5	BU/WH	1334	I	-	Left Rear Turn Signal Lamp Control	4	0.5	BU/WH	1334
5	0.5 0.5	GN/WH BN/BU	24 1977	I I	TW5 VD1	Backup Lamp Control Rear Fog Lamp Relay Control	5	0.5 0.5	GN/WH BN/BU	24 1977
6	0.5 0.75	BK BK	1550 1550	I II	UKC UKC-TW5	Ground Ground	6	0.5	BK	1550
7	0.35	BN/WH	2374	I	-	Object Sensor Control	7	0.35	BN/WH	2374
8	-	-	-	-	-	Not Occupied	8	-	-	-
9	0.5	BK	1150	I	-	Ground	9	0.5	BK	1150
10	0.5	BK	1150	I	-	Ground	10	0.5	BK	1150
11 - 12	-	-	-	-	-	Not Occupied	11 - 12	-	-	-
13	0.35	YE	2375	I	-	Left Rear Corner Object Sensor Signal	13	0.35	YE	2375
14	0.35	GN	3156	I	UFQ	Left Rear Supplemental Object Sensor Signal	14	0.35	GN	3156
15	-	-	-	-	-	Not Occupied	15	-	-	-
16	0.5	BN/GN	3568	I	-	Passive Entry Rear Closure Antenna Signal Hi	16	0.5	BN/GN	3568
17	0.5	GN/GY	3569	I	-	Passive Entry Rear Closure Antenna Signal Lo	17	0.5	GN/GY	3569
18	0.5	GY/YE	1760	I	UKC	Left Side Object Detection LED Control	18	0.5	GY/YE	1760
19	0.5	GY	1761	I	UKC	Right Side Object Detection LED Control	19	0.5	GY	1761
20	0.35	YE/VT	2378	I	-	Right Rear Corner Object Sensor Signal	20	0.35	YE/VT	2378
21	0.35	YE/WH	2377	I	-	Right Rear Middle Object Sensor Signal	21	0.35	YE/WH	2377
22	-	-	-	-	-	Not Occupied	22	-	-	-
23	0.5	BK	1950	I	-	Ground	23	0.5	BK	1950
24	0.5	BK	1950	I	-	Ground	24	0.5	BK	1950
25	-	-	-	-	-	Not Occupied	25	-	-	-
26	0.35	GN	5060	I	UKC	Low Speed GMLAN Serial Data	26	0.35	GN	5060
27	-	-	-	-	-	Not Occupied	27	-	-	-
28	0.35	BU	3157	I	UFQ	Right Rear Supplemental Object Sensor Signal	28	0.35	BU	3157
29 - 30	-	-	-	-	-	Not Occupied	29 - 30	-	-	-
31	0.5	WH/YE	3688	I	-	Right Rear Supplemental Stop Lamp Control	31	0.5	WH/YE	3688
32	0.5	BU/VT	1335	I	-	Right Rear Turn Signal Lamp Control	32	0.5	BU/VT	1335
33	0.5	GN/WH	24	I	-	Backup Lamp Control	33	0.5	GN/WH	24
34	0.35	RD/YE	5840	I	UKC	Battery Positive Voltage	34	0.35	RD/YE	5840
35	0.35	BK/GY	2379	I	-	Object Sensor Low Reference	35	0.35	BK/GY	2379
36	-	-	-	-	-	Not Occupied	36	-	-	-

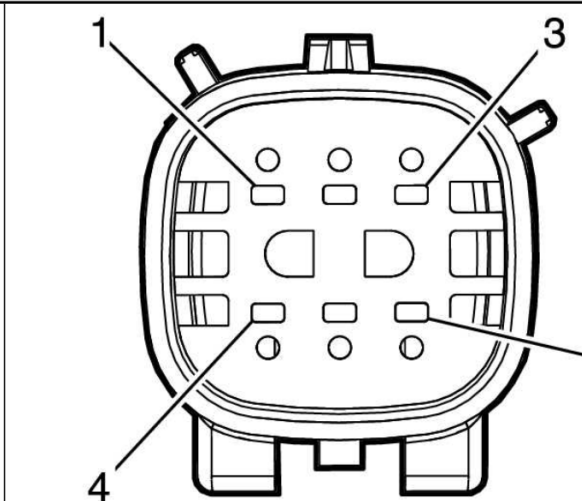
X420 REAR FASCIA HARNESS TO RIGHT LAMP JUMPER HARNESS (TW5)

X420 REAR FASCIA HARNESS TO RIGHT LAMP JUMPER HARNESS (VD1)



Connector Part Information

- Harness Type: Rear Fascia
- OEM Connector: 33472-0602
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way F 1.5 Series, Sealed (GY)



Connector Part Information

- Harness Type: Right Lamp Jumper
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.5	WH/YE	3688	I	VD1	Right Rear Supplemental Stop Lamp Control	2	0.5	WH/YE	3688
3	0.5	BU/VT	1335	I	VD1	Right Rear Turn Signal Lamp Control	3	0.5	BU/VT	1335
4	0.5	GN/WH	24	I	VD1	Backup Lamp Control	4	0.5	GN/WH	24
5	-	-	-	-	-	Ground	5	0.5	BK	1950
6	-	-	-	-	-	Ground	6	0.5	BK	1950

INLINE HARNESS CONNECTOR END VIEWS

X500 DRIVER DOOR HARNESS TO BODY HARNESS

Connector Part Information

- Harness Type: Driver Door
- OEM Connector: 13678795
- Service Connector: Service by Harness - See Part Catalog
- Description: 41-Way F 4.8 Timer, 1.5 DSQ Series (GY)

Connector Part Information

- Harness Type: Body
- OEM Connector: 13946876
- Service Connector: 13587760
- Description: 41-Way M 1.5, 2.8 Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available
IV	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available
V	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
VI	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
VII	13575857	J-35616-32 (OR)	J-38125-36	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Te
1	2	RD/GN	1540	II	-	Battery Positive Voltage	1	2	RD/GN	1540	
2	2	BK	650	II	-	Ground	2	2	BK	650	
3	-	-	-	-	-	Not Occupied	3	-	-	-	
4	0.75	BN/BU	118	I	-	Left Front Speaker Signal (-) 1	4	0.75 1.5	BN/BU BN/BU	118 118	
5	0.75	BU	201	I	-	Left Front Speaker Control (+) 1	5	0.75 1.5	BU BU	201 201	
6 - 7	-	-	-	-	-	Not Occupied	6 - 7	-	-	-	
8	0.5	BK	550	I	-	Ground	8	0.5	BK	550	
9	0.5	BN/WH	781	I	-	Driver Door Lock Switch Unlock Signal	9	0.35	BN/WH	781	
10	0.5	BN/YE	780	I	-	Driver Door Lock Switch Lock Signal	10	0.35	BN/YE	780	
11	0.5	YE	6817	I	-	LED Backlight Dimming Control	11	0.35	YE	6817	
12	0.5	BK	550	I	-	Ground	12	0.5	BK	550	
13	0.75	BN/YE	294	I	-	Door Lock Actuator Unlock Control	13	0.75	BN/YE	294	
14	0.75	GY	5911	I	-	Door Lock Actuator Lock Control 2	14	0.75	GY	5911	
15	0.5	VT/GN	4663	I	UVH	Left Side Camera Control	15	0.35	VT/GN	4663	
16	0.5	BK/GN	4664	I	UVH	Left Side Camera Return	16	0.35	BK/GN	4664	
17	0.5	BK/WH	2451	I	UVH	Signal Ground	17	0.35	BK/WH	2451	
18	0.5	WH/GN	2628	I	UVH	Left Side Vision Camera Video Signal (+)	18	0.35	WH/GN	2628	
19	0.5	GY/GN	2625	I	UVH	Left Side Vision Camera Video Signal (-)	19	0.35	GY/GN	2625	
20	0.5	BK	550	I	DG6/DLR/DLS	Ground Ground	20	0.5 0.5	BK BK	650 550	
21	0.5	BN/YE	2267	I	-	Mirror Heating Element Control	21	0.35	BN/YE	2267	
22	0.5	BK	550	I	-	Ground	22	0.5	BK	550	
23	0.5	RD/GN	1540	I	-	Battery Positive Voltage	23	0.35	RD/GN	1540	
24	0.5	BK	650	I	-	Ground	24	0.5	BK	650	
25	0.5	VT/GY	3561	I	-	Passive Entry Driver Door Antenna Signal Lo	25	0.5	VT/GY	3561	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Te
39	0.5	GN/BK	3396	I	-	Passenger Mirror Motor Right (+) Left (-) Control	39	0.5	GN/BK	3396	
40	0.5	YE/VT	3397	I	-	Passenger Mirror Motor Up (+) Down (-) Control	40	0.5	YE/VT	3397	
41	0.5	WH	3398	I	-	Passenger Mirror Motor Common Control	41	0.5	WH	3398	

X510 DRIVER OUTSIDE REARVIEW MIRROR HARNESS TO DRIVER DOOR HARNESS

Connector Part Information

- Harness Type: Driver Outside Rearview Mirror
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way F

Connector Part Information

- Harness Type: Driver Door
- OEM Connector: ARVWSB-12BC-2AK
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required

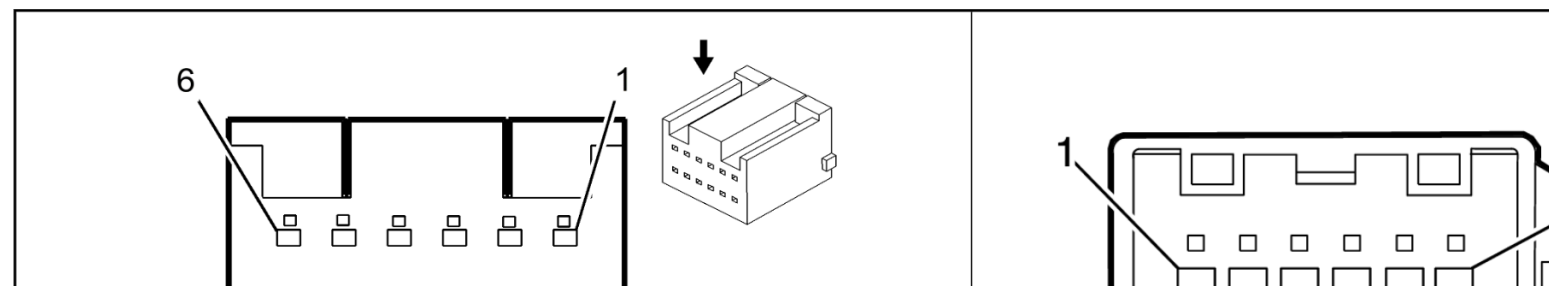
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	YE/BN	3391	I	DG6/DLR/DLS	Driver Mirror Motor Common Control	1	0.5	YE/BN	3391
2	0.5	VT/BU	3390	I	DG6/DLR/DLS	Driver Mirror Motor Up (+) Down (-) Control	2	0.5	VT/BU	3390
3	0.5	BN/BK	3389	I	DG6/DLR/DLS	Driver Mirror Motor Right (+) Left (-) Control	3	0.5	BN/BK	3389
4	0.5	BN/YE	2267	I	DG6/DLR/DLS	Mirror Heating Element Control	4	0.5	BN/YE	2267
5	0.5	BK	650	I	DG6/DLR/DLS	Ground	5	0.5	BK	650
6	0.5	BU/WH	1314	I	DLR/DLS	Left Front Turn Signal Lamp Control	6	0.5	BU/WH	1314
7	0.5	GY/YE	1760	I	UKC	Left Side Object Detection LED Control	7	0.5	GY/YE	1760
8	0.5	BK	650	I	UKC	Ground	8	0.5	BK	650
9	0.5	WH/BN	3410	I	DLR UVH	Mirror Motor Fold In Control	9	0.5	WH/BN	3410
	0.5	WH/GN	2628	I		Left Side Vision Camera Video Signal (+)		0.5	WH/GN	2628
10	0.5	VT/YE	3409	I	DLR UVH	Mirror Motor Fold Out Control	10	0.5	VT/YE	3409
	0.5	GY/GN	2625	I		Left Side Vision Camera Video Signal (-)		0.5	GY/GN	2625
11	0.5	BK/GN	4664	I	UVH	Left Side Camera Return	11	0.5	BK/GN	4664
12	0.5	VT/GN	4663	I	UVH	Left Side Camera Control	12	0.5	VT/GN	4663

X600 PASSENGER DOOR HARNESS TO BODY HARNESS

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
VII	13575857	J-35616-32 (OR)	J-38125-36	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Te
1	2	RD/GN	1540	II	-	Battery Positive Voltage	1	2	RD/GN	1540	
2	2	BK	850	II	-	Ground	2	2	BK	850	
3	-	-	-	-	-	Not Occupied	3	-	-	-	
4	0.75	YE/BK	117	I	-	Right Front Speaker Signal (-) 1	4	0.75 1.5	YE/BK YE/BK	117 117	
5	0.75	YE	200	I	-	Right Front Speaker Control (+) 1	5	0.75 1.5	YE YE	200 200	
6 - 7	-	-	-	-	-	Not Occupied	6 - 7	-	-	-	
8	0.5	BK	750	I	-	Ground	8	0.5	BK	750	
9	0.5	BN/VT	245	I	-	Passenger Door Lock Switch Unlock Control	9	0.35	BN/VT	245	
10	0.5	YE/VT	244	I	-	Passenger Door Lock Switch Lock Control	10	0.35	YE/VT	244	
11	0.5	YE	6817	I	-	LED Backlight Dimming Control	11	0.35	YE	6817	
12	0.5	BK	750	I	-	Ground	12	0.5	BK	750	
13	0.75	BN/YE	294	I	-	Door Lock Actuator Unlock Control	13	1	BN/YE	294	
14	0.75	GY	295	I	-	Door Lock Actuator Lock Control	14	1	GY	295	
15	0.5	VT/BU	4666	I	UVH	Right Side Camera Control	15	0.35	VT/BU	4666	
16	0.5	BK/BU	4667	I	UVH	Right Side Camera Return	16	0.35	BK/BU	4667	
17	0.5	BK/WH	2551	I	UVH	Signal Ground	17	0.35	BK/WH	2551	
18	0.5	WH/BU	2627	I	UVH	Right Side Vision Camera Video Signal (+)	18	0.35	WH/BU	2627	
19	0.5	GY/BU	2626	I	UVH	Right Side Vision Camera Video Signal (-)	19	0.35	GY/BU	2626	
20	0.5	BK	750	I	DG6/DLR/DLS	Ground Ground	20	0.5 0.5	BK BK	850 750	
21	0.5	BN/YE	2267	I	-	Mirror Heating Element Control	21	0.35	BN/YE	2267	
22 - 23	-	-	-	-	-	Not Occupied	22 - 23	-	-	-	
24	0.5	BK	750	I	UKC	Ground	24	0.5	BK	750	
25	0.5	GN/YE	3562	I	-	Passive Entry Passenger Door Antenna Signal Hi	25	0.5	GN/YE	3562	
26	0.5	GN/BK	3563	I	-	Passive Entry Passenger Door Antenna Signal Lo	26	0.5	GN/BK	3563	
27	0.5	VT/WH	3571	I	-	Passenger Door Handle Switch Signal	27	0.5	VT/WH	3571	
28	0.5	BK	750	I	-	Ground	28	0.5	BK	750	
29 - 30	-	-	-	-	-	Not Occupied	29 - 30	-	-	-	
31	0.5	GN/YE	6134	I	-	Local Interconnect Network Serial Data Bus 3	31	0.35	GN/YE	6134	
32	-	-	-	-	-	Not Occupied	32	-	-	-	
33	0.5	BN/OG	2134	I	AYF	Right Front Side Impact Sensing Module Signal	33	0.5	BN/OG	2134	
34	0.5	BK/OG	6629	I	AYF	Right Front Side Impact Sensing Module Low Reference	34	0.5	BK/OG	6629	
35	0.5	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	35	0.5	GN/VT	1315	
36	0.5	VT/YE	3409	I	DLR	Mirror Motor Fold Out Control	36	0.5	VT/YE	3409	
37	0.5	WH/BN	3410	I	DLR	Mirror Motor Fold In Control	37	0.5	WH/BN	3410	
38	0.5	GY	1761	I	UKC	Right Side Object Detection LED Control	38	0.5	GY	1761	
39	0.5	GN/BK	3396	I	-	Passenger Mirror Motor Right (+) Left (-) Control	39	0.5	GN/BK	3396	
40	0.5	YE/VT	3397	I	-	Passenger Mirror Motor Up (+) Down (-) Control	40	0.5	YE/VT	3397	
41	0.5	WH	3398	I	-	Passenger Mirror Motor Common Control	41	0.5	WH	3398	

X610 PASSENGER OUTSIDE REARVIEW MIRROR HARNESS TO PASSENGER DOOR HARNESS



Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Ter
2	0.5	YE/VT	3397	I	DG6/DLR/DLS	Passenger Mirror Motor Up (+) Down (-) Control	2	0.5	YE/VT	3397	
3	0.5	GN/BK	3396	I	DG6/DLR/DLS	Passenger Mirror Motor Right (+) Left (-) Control	3	0.5	GN/BK	3396	
4	-	-	-	-	-	Not Occupied	4	-	-	-	
5	0.5	BK	750	I	DG6/DLR/DLS	Ground Ground	5	0.5 0.5	BK BK	850 750	
6	0.5	GN/VT	1315	I	DLR/DLS	Right Front Turn Signal Lamp Control	6	0.5	GN/VT	1315	
7	0.5	GY	1761	I	UKC	Right Side Object Detection LED Control	7	0.5	GY	1761	
8	0.5	BK	750	I	UKC	Ground	8	0.5	BK	750	
9	0.5 0.5	WH/BN WH/BU	3410 2627	I I	DLR UVH	Mirror Motor Fold In Control Right Side Vision Camera Video Signal (+)	9	0.5 0.5	WH/BN WH/BU	3410 2627	
10	0.5 0.5	VT/YE GY/BU	3409 2626	I I	DLR UVH	Mirror Motor Fold Out Control Right Side Vision Camera Video Signal (-)	10	0.5 0.5	VT/YE GY/BU	3409 2626	
11	0.5	BK/BU	4667	I	UVH	Right Side Camera Return	11	0.5	BK/BU	4667	
12	0.5	VT/BU	4666	I	UVH	Right Side Camera Control	12	0.5	VT/BU	4666	

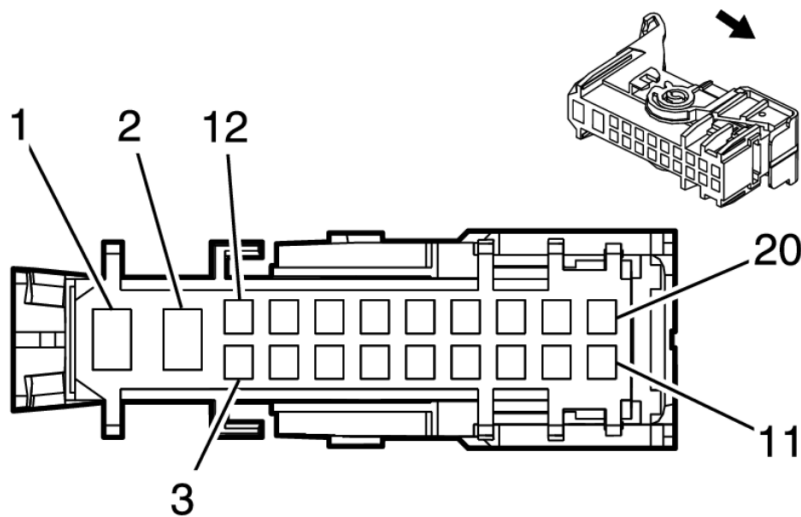
X700 LEFT REAR DOOR HARNESS TO BODY HARNESS

Connector Part Information • Harness Type: Left Rear Door • OEM Connector: 13678789 • Service Connector: Service by Harness - See Part Catalog • Description: 20-Way F 4.8 Timer, 1.5 DSQ Series (GY)	Connector Part Information • Harness Type: Body • OEM Connector: 13680032 • Service Connector: 13577518 • Description: 20-Way M 1.5, 5.8 TTS Series (GY)

Terminal Part Information

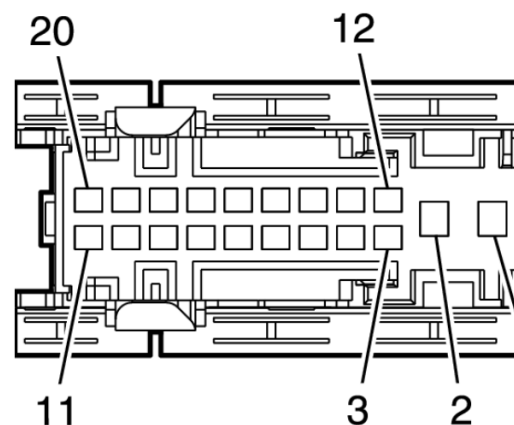
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required
III	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available
IV	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
V	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
VI	13575857	J-35616-32 (OR)	J-38125-36	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	2	RD/BN	2940	II	-	Battery Positive Voltage	1	2	RD/BN	2940
2	2	BK	650	II	-	Ground	2	2	BK	650
3	0.75	BN/YE	294	I	-	Door Lock Actuator Unlock Control	3	0.75	BN/YE	294
4	0.75	GY	295	I	-	Door Lock Actuator Lock Control	4	0.75	GY	295
5	0.5	GN/GY	6135	I	-	Local Interconnect Network Serial Data Bus 4	5	0.35	GN/GY	6135
6	0.5	BK	550	I	-	Ground	6	0.5	BK	550
7 - 8	-	-	-	-	-	Not Occupied	7 - 8	-	-	-
9	0.5	WH	6816	I	KA6	Indicator Dimming Control	9	0.35	WH	6816
10	0.5	BN/YE	6157	I	-	Left Rear Door Handle Switch Signal	10	0.5	BN/YE	6157



Connector Part Information

- Harness Type: Right Rear Door
- OEM Connector: 13678789
- Service Connector: Service by Harness - See Part Catalog
- Description: 20-Way F 4.8 Timer, 1.5 DSQ Series (GY)



Connector Part Information

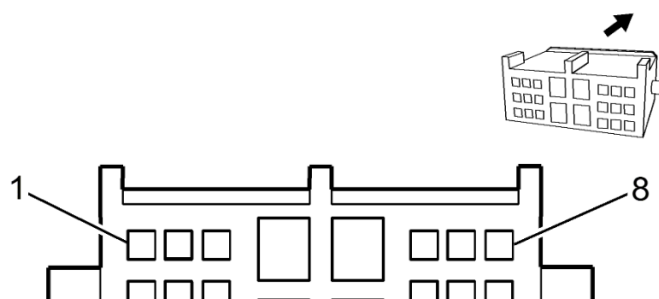
- Harness Type: Body
- OEM Connector: 13680032
- Service Connector: 13577518
- Description: 20-Way M 1.5, 5.8 TTS Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available
IV	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available
V	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
VI	13575776	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28
VII	13575857	J-35616-32 (OR)	J-38125-36	Not Available	Not Available

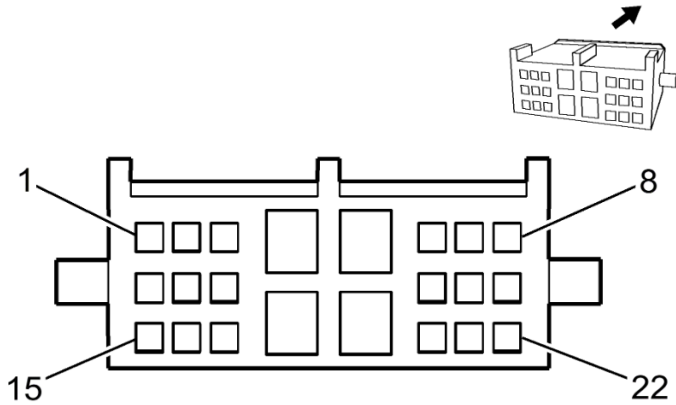
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	2	RD/BN	2940	II	-	Battery Positive Voltage	1	2	RD/BN	2940
2	2	BK	850	I	-	Ground	2	2	BK	850
3	0.75	BN/YE	294	I	-	Door Lock Actuator Unlock Control	3	1	BN/YE	294
4	0.75	GY	295	I	-	Door Lock Actuator Lock Control	4	1	GY	295
5	0.5	GN/GY	6135	I	-	Local Interconnect Network Serial Data Bus 4	5	0.35	GN/GY	6135
6	0.5	BK	750	I	-	Ground	6	0.5	BK	750
7	-	-	-	-	-	Not Occupied	7	-	-	-
8	2	RD/BN	2940	II	-	Battery Positive Voltage	8	-	-	-
9	0.5	WH	6816	I	KA6	Indicator Dimming Control	9	0.35	WH	6816
10	0.5	YE/GY	6158	I	-	Right Rear Door Handle Switch Signal	10	0.5	YE/GY	6158
11	0.5	BK	750	I	-	Ground	11	0.5	BK	750
12 - 13	-	-	-	-	-	Not Occupied	12 - 13	-	-	-
14	0.75	BU/BK	115	I	-	Right Rear Speaker Signal (-)	14	0.75	BU/BK	115
15	0.75	WH	46	I	-	Right Rear Speaker Control (+)	15	0.75	WH	46
16	-	-	-	-	-	Not Occupied	16	-	-	-
17	0.5	YE	6817	I	KA6	LED Backlight Dimming Control	17	0.35	YE	6817
18	0.5	BN/GN	1634	I	-	Right Rear Heated Seat Switch Signal	18	0.5	BN/GN	1634
19	0.5	BN/WH	1635	I	-	Right Rear Heated Seat High Indicator Control	19	0.5	BN/WH	1635
20	0.5	BK	750	I	-	Ground	20	0.5	BK	750

X900 LIFTGATE EXTENSION HARNESS TO BODY HARNESS



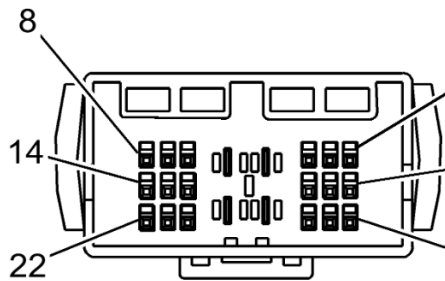
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
2	0.5	GY/YE	7542	II	-	Left Rear Stop Lamp Control	2	0.5	GY/YE	7542
3	0.5	BK	1050	II	-	Ground	3	0.5	BK	1050
4	2	BN/VT	293	I	-	Rear Defog Element Control	4	2	BN/VT	293
5	2.5	BK	1950	I	-	Ground	5	2.5	BK	1950
6	Â	Â	Â	Â	Â	Run/Crank Ignition 1 Voltage	6	0.35 0.35	VT/BK VT/BN	739 4669
7	0.5	GN/YE	6846	II	-	Rear License Lamp Control	7	0.35	GN/YE	6846
8	0.5	BN/YE	820	II	-	CHMSL Control	8	0.5	BN/YE	820
9	-	-	-	-	-	Camera Signal 2 +	9	0.35	GY/YE	6972
10	-	-	-	-	-	Camera Signal 2	10	0.35	WH/BU	6973
11	-	-	-	-	-	Camera Shield Ground Extension	11	0.35	GY	7069
12	0.5	VT/GY	1303	II	-	Lift Gate Ajar Switch Signal 1	12	0.5	VT/GY	1303
13	0.5	BK	1150	II	-	Ground	13	0.5	BK	1150
14	0.5	BU/WH	6128	II	-	Rear Closure Unlatch Motor Unlatch Control	14	0.5	BU/WH	6128
15	0.5	BK	1950	II	-	Ground	15	0.5	BK	1950
16	0.5	BK	1050	II	-	Ground	16	0.5	BK	1050
17	0.5	YE/BU	5797	II	-	Rear Closure Handle Switch Open Signal	17	0.5	YE/BU	5797
18	1	BU	393	I	-	Rear Window Wiper Motor Control	18	1	BU	393
19	1	GY/VT	5780	I	-	Windshield Wiper Motor Park Switch Fused Signal	19	1	GY/VT	5780
20	0.5	BK	2050	II	-	Ground	20	0.35 0.5	BK/YE BK	4670 2050
21	0.5	GY/BN	309	II	-	Right Park Lamp Control	21	0.5	GY/BN	309
22	0.5	VT/GY	709	II	-	Left Park Lamp Control	22	0.5	VT/GY	709

X901 LIFTGATE EXTENSION HARNESS TO LIFTGATE HARNESS



Connector Part Information

- Harness Type: Liftgate Extension
- OEM Connector: 1897543-2
- Service Connector: Service by Harness - See Part Catalog
- Description: 22-Way F 0.64 Micro-Quadlock, 2.8 Micro-Power Series (BK)



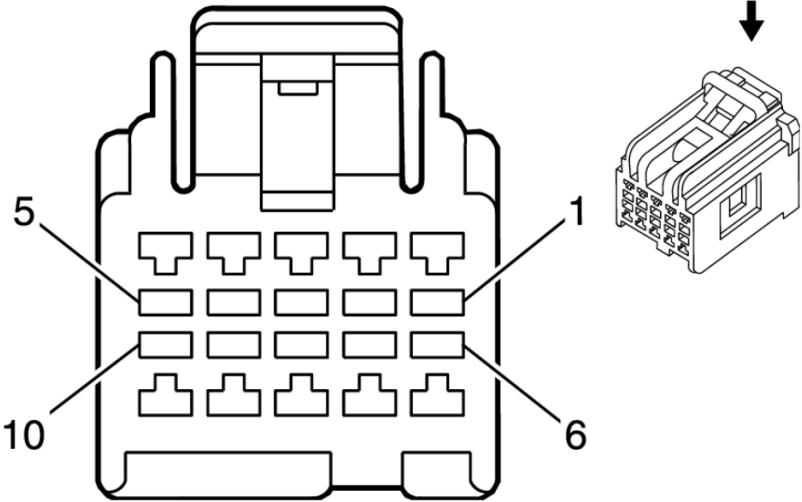
Connector Part Information

- Harness Type: Liftgate
- OEM Connector: 1897540-2
- Service Connector: Service by Harness - See Part Catalog
- Description: 22-Way M 0.64 MQS, 2.8 MCP Series (BK)

Terminal Part Information

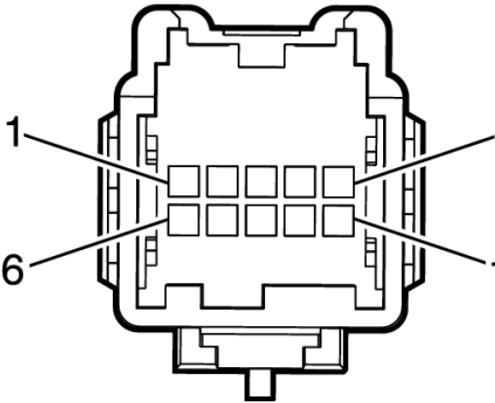
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required
III	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required
IV	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	WH/YE	7541	II	-	Right Rear Stop Lamp Control	1	0.5	WH/YE	7541
2	0.5	GY/YE	7542	II	-	Left Rear Stop Lamp Control	2	0.5	GY/YE	7542
3	0.5	BK	1050	II	-	Ground	3	0.5	BK	1050
4	2	BN/VT	293	I	-	Rear Defog Element Control	4	2	BN/VT	293
5	2.5	BK	1950	I	-	Ground	5	2.5	BK	1950
6	0.5	VT/BK	739	II	UVC/UVH	Run/Crank Ignition 1 Voltage	6	0.35	VT/BK	739
7	0.5	GN/YE	6846	II	-	Rear License Lamp	7	0.35	GN/YE	6846



Connector Part Information

- Harness Type: License Plate Lamp
- OEM Connector: 15486854
- Service Connector: Service by Harness - See Part Catalog
- Description: 10-Way F 64 Micro-HVT Series (BK)



Connector Part Information

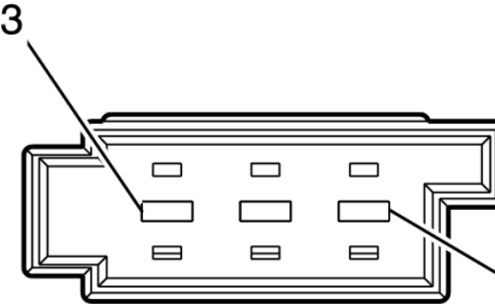
- Harness Type: Liftgate
- OEM Connector: 13624101
- Service Connector: Service by Harness - See Part Catalog
- Description: 10-Way M 0.64 Micro-HVT Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-65B (LT BU)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	-	-	-	-	-	Not Occupied	1	-	-	-
2	0.35 0.35	VT/BK VT/BN	739 4669	I I	UVC UVH	Run/Crank Ignition 1 Voltage Rear Camera Control	2	0.35	VT/BK	739
3	0.35	GN/YE	6846	I	-	Rear License Lamp Control	3	0.35	GN/YE	6846
4	0.35	GY/YE	6972	I	-	Camera Signal 2 +	4	0.35	GY/YE	6972
5	0.35	WH/BU	6973	I	-	Camera Signal 2	5	0.35	WH/BU	6973
6	0.35 0.35	BK BK	1150 1050	I I	UVC/UVH VD1	Ground Ground	6	0.35 0.35	BK BK	1150 1050
7	0.5	YE/BU	5797	I	-	Rear Closure Handle Switch Open Signal	7	0.5	YE/BU	5797
8	0.5	BK	1050	I	-	Ground	8	0.5	BK	1050
9	0.35	GY	7069	I	-	Camera Shield Ground Extension	9	0.35	GY	7069
10	0.35 0.35	BK BK	1050 2050	I I	UVC/UVH VD1	Ground Ground	10	0.35 0.35	BK BK	1050 2050

X903 CENTER HIGH MOUNT STOP LIGHT HARNESS TO LIFTGATE EXTENSION HARNESS



Connector Part Information

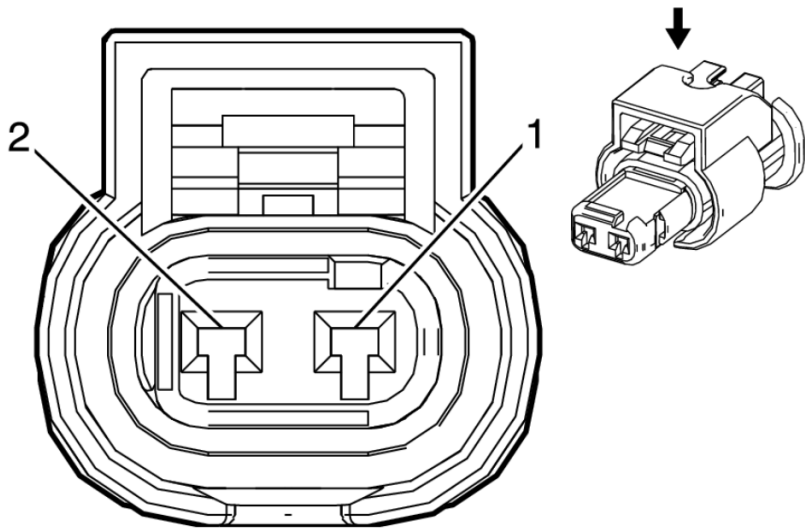
- Harness Type: Center High Mount Stop Light
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 3-Way F

Connector Part Information

- Harness Type: Liftgate Extension
- OEM Connector: 1-962342-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 3-Way M 1.6 Micro-Timer Series (BK)

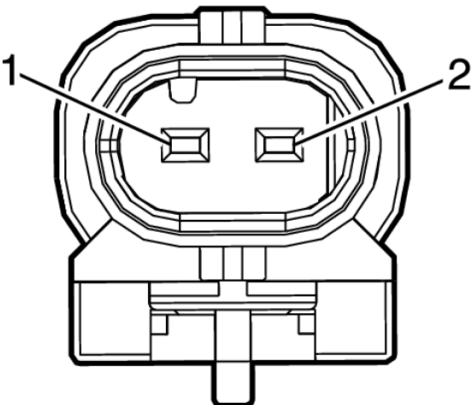
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-33 (YE)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-34 (YE)	No Tool Required	Not Required	Not Required



Connector Part Information

- Harness Type: Liftgate Switch
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F



Connector Part Information

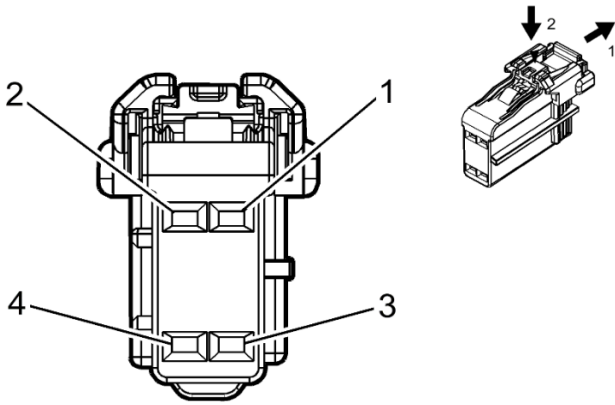
- Harness Type: License Plate Lamp
- OEM Connector: 1-1703498-3
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-12 (BU)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-13 (BU)	No Tool Required	Not Required	Not Required

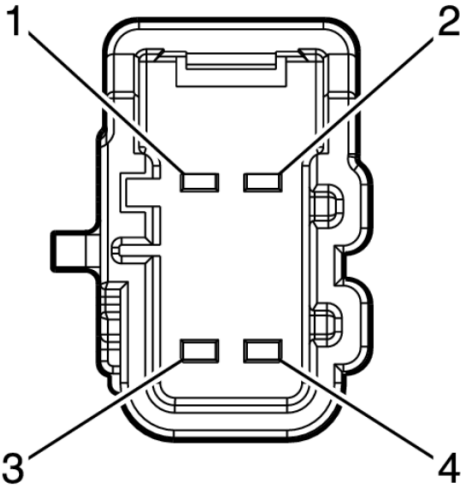
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	YE/BU	5797	I	-	Rear Closure Handle Switch Open Signal	1	0.5	YE/BU	5797
2	0.5	BK	1050	I	-	Ground	2	0.5	BK	1050

X910 LIFTGATE HARNESS TO LEFT TAIL STOP LAMP HARNESS (TW5)



Connector Part Information

- Harness Type: Liftgate
- OEM Connector: 6098-7787
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way F 1.2 Series (BK)



Connector Part Information

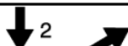
- Harness Type: Left Tail Stop Lamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	VT/GY	709	I	TW5	Left Park Lamp Control	1	0.5	VT/GY	709
2	-	-	-	-	-	Not Occupied	2	-	-	-
3	0.5	GY/YE	7542	I	TW5	Left Rear Stop Lamp Control	3	0.5	GY/YE	7542
4	0.5	BK	1150	I	TW5	Ground	4	0.5	BK	1150

X910 LIFTGATE HARNESS TO LEFT TAIL STOP LAMP HARNESS (VD1)



Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	VT/GY	709	I	VD1	Left Park Lamp Control	1	0.5	VT/GY	709
2	-	-	-	-	-	Not Occupied	2	-	-	-
3	0.5	GY/YE	7542	I	VD1	Left Rear Stop Lamp Control	3	0.5	GY/YE	7542
4	0.5	BK	1150	I	VD1	Ground	4	0.5	BK	1150

X920 LIFTGATE HARNESS TO RIGHT TAIL STOP LAMP HARNESS (TW5)

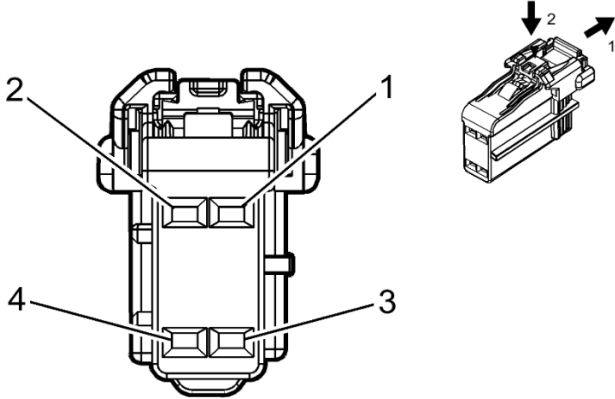


Diagram showing the Liftgate connector with terminals labeled 1, 2, 3, and 4. A small inset shows the connector from a different angle with arrows indicating terminal positions 1 and 2.

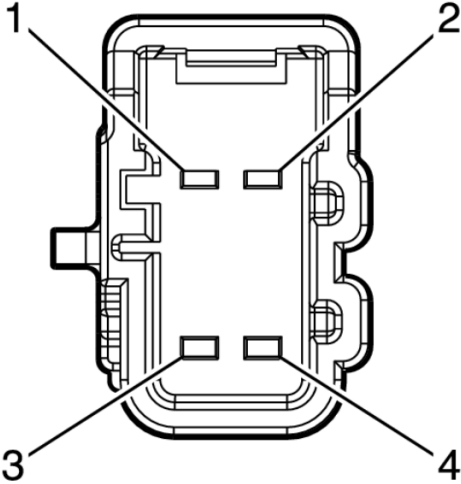


Diagram showing the Right Tail Stop Lamp connector with terminals labeled 1, 2, 3, and 4.

Connector Part Information

- Harness Type: Liftgate
- OEM Connector: 6098-7787
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way F 1.2 Series (BK)

Connector Part Information

- Harness Type: Right Tail Stop Lamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit
1	0.5	GY/BN	309	I	TW5	Right Park Lamp Control	1	0.5	GY/BN	309
2	-	-	-	-	-	Not Occupied	2	-	-	-
3	0.5	WH/YE	7541	I	TW5	Right Rear Stop Lamp Control	3	0.5	WH/YE	7541
4	0.5 0.5	BK BK	1550 1950	I I	TW5 VD1	Ground Ground	4	0.5	BK	1550

X920 LIFTGATE HARNESS TO RIGHT TAIL STOP LAMP HARNESS (VD1)

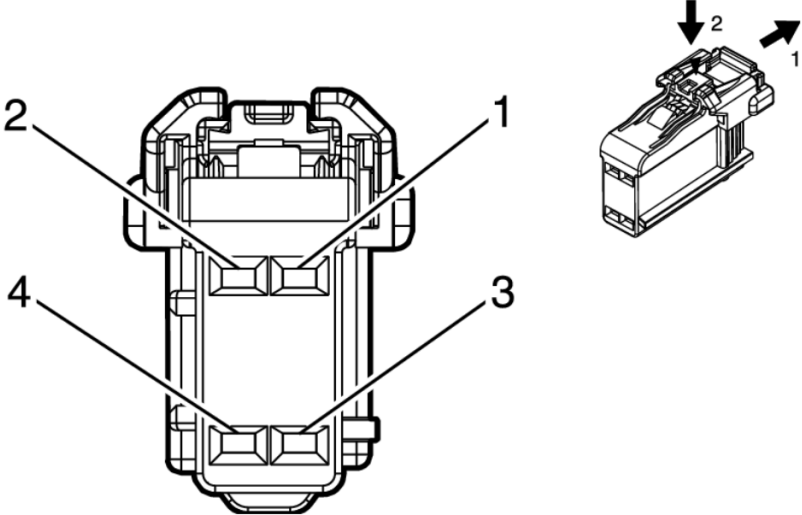


Diagram showing the Liftgate connector with terminals labeled 1, 2, 3, and 4. A small inset shows the connector from a different angle with arrows indicating terminal positions 1 and 2.



Diagram showing the Right Tail Stop Lamp connector with terminals labeled 1, 2, 3, and 4.

Connector Part Information

- Harness Type: Liftgate
- OEM Connector: 6098-7789
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way F 1.2 Series (GY)

Connector Part Information

- Harness Type: Right Tail Stop Lamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 4-Way M

[Back To Article](#)

2017 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Instrument Panel/Center Console Component Views - Bolt EV

INSTRUMENT PANEL/CENTER CONSOLE COMPONENT VIEWS

CENTER CONSOLE COMPONENTS TOP

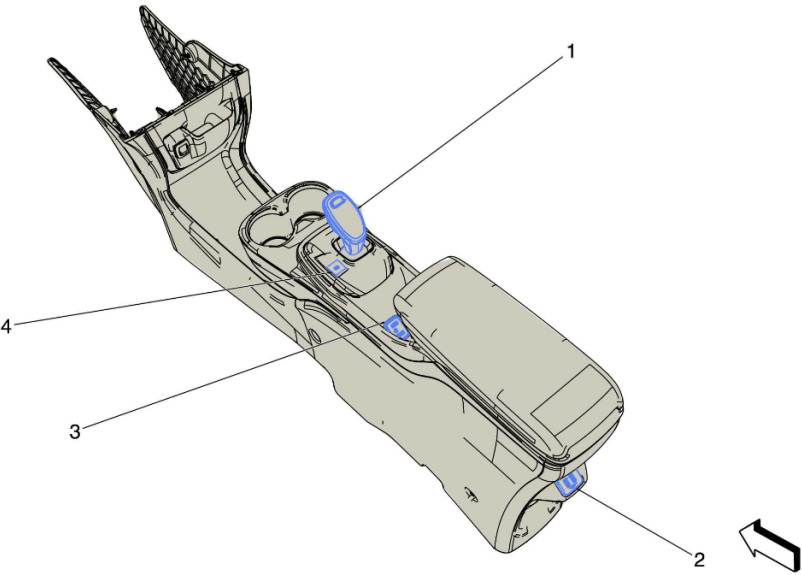


Fig. 1: Center Console Components Top
Courtesy of GENERAL MOTORS COMPANY

Items
1: P2 Transmission Shift Lever Position Indicator
2: X92 USB Receptacle X92 USB Receptacle (USS)
3: X83 Auxiliary Audio Input X83 Auxiliary Audio Input X1 X83 Auxiliary Audio Input X2
4: S91 Park Brake Control Switch S91 Park Brake Control Switch

CENTER CONSOLE COMPONENTS BOTTOM

Service Terminal	Tray Name	
Not Required	Not Required	
Not Required	Not Required	

	Pin	Size	Color	Circuit
	1	0.5	GY/BN	309
	2	-	-	-
mp	3	0.5	WH/YE	7541
	4	0.5	BK	1550

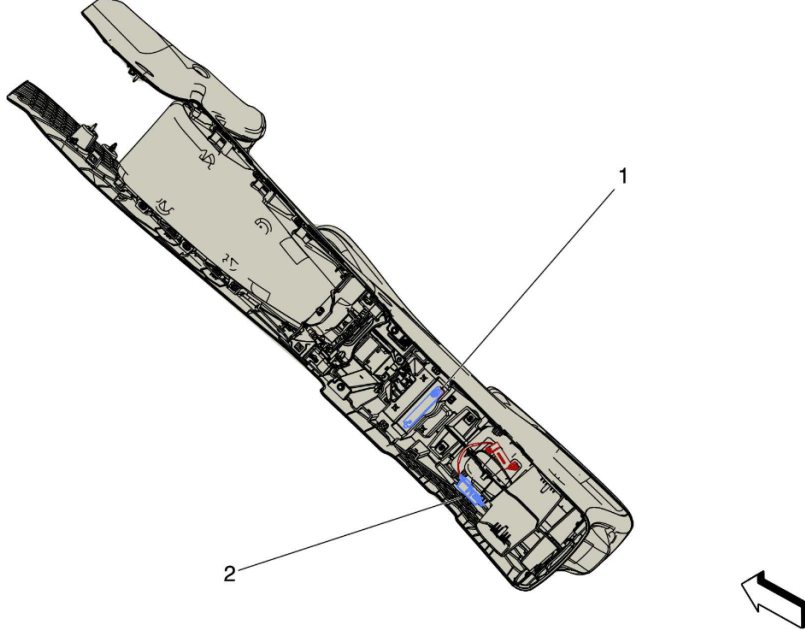


Fig. 2: Center Console Components Bottom
 Courtesy of GENERAL MOTORS COMPANY

Items	
1:	T10K Keyless Entry Antenna - Center Console Rear
2:	K89 Immobilizer Control Module K89 Immobilizer Control Module

CENTER CONSOLE COMPONENTS INTERNAL

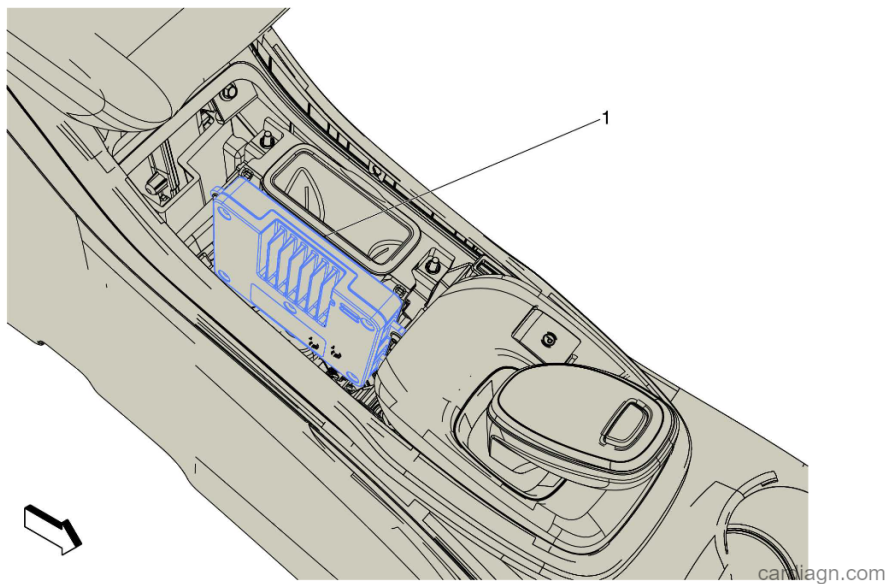


Fig. 3: Center Console Components Internal
 Courtesy of GENERAL MOTORS COMPANY

Items
1: T22 Mobile Device Wireless Charger Module (K4C) T22 Mobile Device Wireless Charger Module (K4C)

FRONT OF INSTRUMENT PANEL COMPONENTS

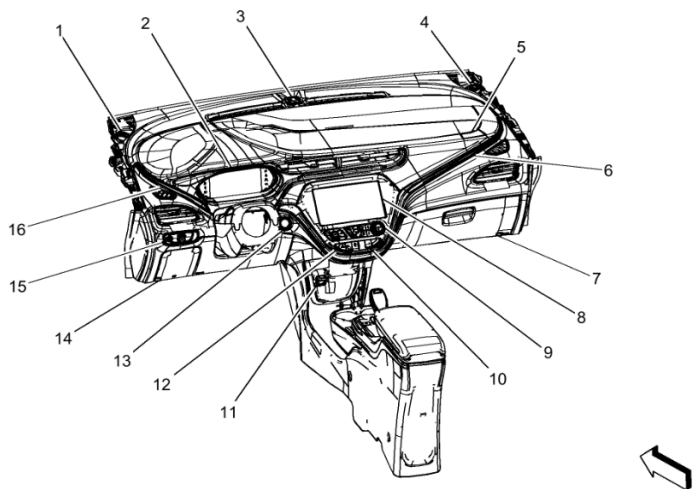


Fig. 4: Front of Instrument Panel Components
 Courtesy of GENERAL MOTORS COMPANY

Items
1: P19H Speaker - Left Front Tweeter P19H Speaker - Left Front Tweeter (UQA)
2: P16 Instrument Cluster P16 Instrument Cluster
3: B305 Ambient Light/Sunload Sensor and Battery State of Charge Indicator P36 Battery State of Charge Indicator
4: P19AH Speaker - Right Front Door P19AH Speaker - Right Front Door (UQ3) P19AH Speaker - Right Front Door (UQA)
5: F101 Passenger Instrument Panel Air Bag F101 Passenger Instrument Panel Air Bag X1 F101 Passenger Instrument Panel Air Bag X2
6: E1H Accent Lamp - Right Instrument Panel E1H Accent Lamp - Right Instrument Panel
7: X84B Auxiliary Data Connector X84B Auxiliary Data Connector X2
8: A11 Radio A11 Radio X1 A11 Radio X2 A11 Radio X3 A11 Radio X4 A11 Radio X5 A11 Radio X6 A11 Radio X8
9: A20 Radio/HVAC Controls A20 Radio/HVAC Controls
10: S48D Multifunction Switch 2 - Instrument Panel S48D Multifunction Switch 2 - Instrument Panel
11: X80 Accessory Power Receptacle X80 Accessory Power Receptacle
12: S48C Multifunction Switch 1 - Instrument Panel S48C Multifunction Switch 1 - Instrument Panel
13: S83 Vehicle On/Off Switch S83 Vehicle On/Off Switch
14: X84 Data Link Connector X84 Data Link Connector
15: S30 Headlamp Switch S30 Headlamp Switch
16: E1G Accent Lamp - Left Instrument Panel E1G Accent Lamp - Left Instrument Panel

HVAC ASSEMBLY COMPONENTS

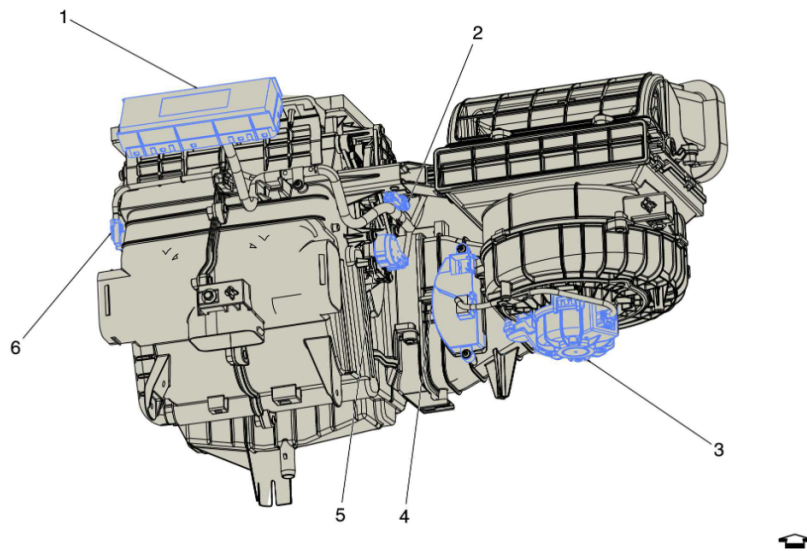


Fig. 5: HVAC Assembly Components

Courtesy of GENERAL MOTORS COMPANY

Items

- 1: K33 HVAC Control Module [K33 HVAC Control Module X1](#) [K33 HVAC Control Module X2](#) [K33 HVAC Control Module X3](#)
- 2: M37 Mode Door Actuator [M37 Mode Door Actuator](#)
- 3: M8 Blower Motor [M8 Blower Motor](#)
- 4: K8 Blower Motor Control Module [K8 Blower Motor Control Module](#)
- 5: M6 Air Temperature Door Actuator [M6 Air Temperature Door Actuator](#)
- 6: B7F Air Temperature Sensor - Duct Upper [B7F Air Temperature Sensor - Duct Upper](#)

REAR OF INSTRUMENT PANEL COMPONENTS

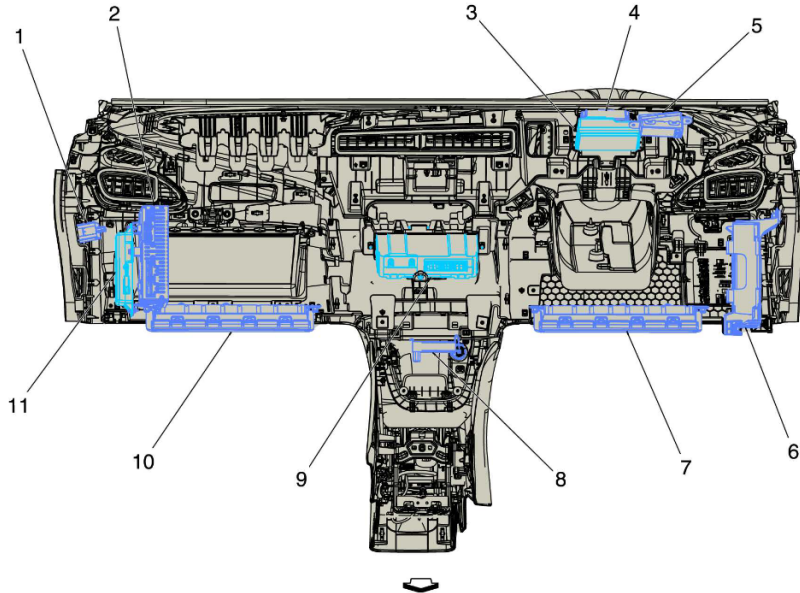


Fig. 6: Rear of Instrument Panel Components
 Courtesy of GENERAL MOTORS COMPANY

Items
1: S40 Passenger Air Bag Disable Switch S40 Passenger Air Bag Disable Switch (C99)
2: A11 Radio A11 Radio X1 A11 Radio X2 A11 Radio X3 A11 Radio X4 A11 Radio X5 A11 Radio X6 A11 Radio X8
3: K84 Keyless Entry Control Module K84 Keyless Entry Control Module X1 K84 Keyless Entry Control Module X2
4: K56 Serial Data Gateway Module K56 Serial Data Gateway Module X1 K56 Serial Data Gateway Module X2
5: P43 Collision Alert Indicators P43 Collision Alert Indicators (UEU/UHX/UHY/UVX)
6: K9 Body Control Module K9 Body Control Module X1 K9 Body Control Module X2 K9 Body Control Module X3 K9 Body Control Module X4 K9 Body Control Module X5 K9 Body Control Module X6 K9 Body Control Module X7
7: F114D Knee Air Bag - Driver F114D Knee Air Bag - Driver (AYF)
8: T10J Keyless Entry Antenna - Center Console Front T10J Keyless Entry Antenna - Center Console Front
9: K73 Telematics Communication Interface Control Module K73 Telematics Communication Interface Control Module X1 (UE1) K73 Telematics Communication Interface Control Module X2 (UE1) K73 Telematics Communication Interface Control Module X5 K73 Telematics Communication Interface Control Module X7
10: F114P Knee Air Bag - Passenger F114P Knee Air Bag - Passenger (AYF)
11: C3 Telematics Communication Interface Control Module Battery (UE1) C3 Telematics Communication Interface Control Module Battery (UE1)

STEERING COLUMN COMPONENTS

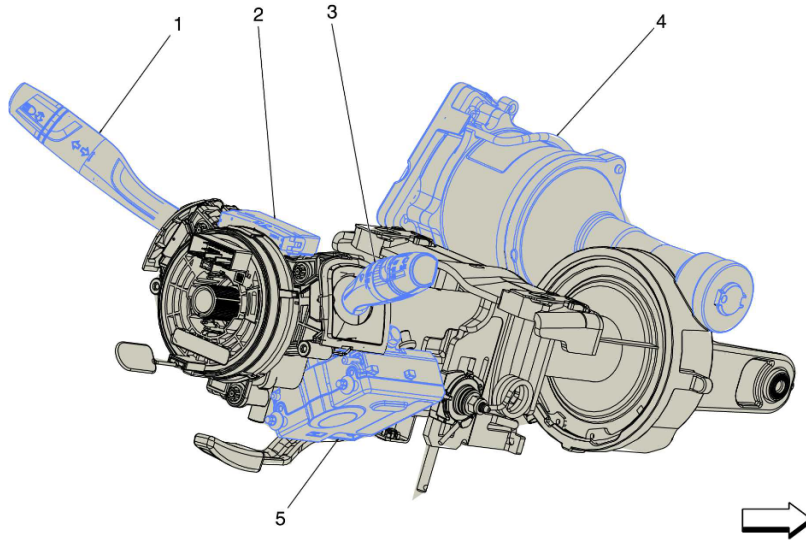


Fig. 7: Steering Column Components

Courtesy of GENERAL MOTORS COMPANY

Items

- 1: S78 Turn Signal/Multifunction Switch **S78 Turn Signal/Multifunction Switch**
- 2: X85 Steering Wheel Air Bag Coil **X85 Steering Wheel Air Bag Coil X1 X85 Steering Wheel Air Bag Coil X2**
- 3: S82 Windshield Wiper/Washer Switch **S82 Windshield Wiper/Washer Switch**
- 4: K43 Power Steering Control Module X210 Instrument Panel Harness to Body Harness
- 5: K60 Steering Column Lock Module (N06) **K60 Steering Column Lock Module (NO6)**

LUGGAGE COMPARTMENT/REAR OF VEHICLE COMPONENT VIEWS

LEFT SIDE LUGGAGE COMPARTMENT COMPONENTS

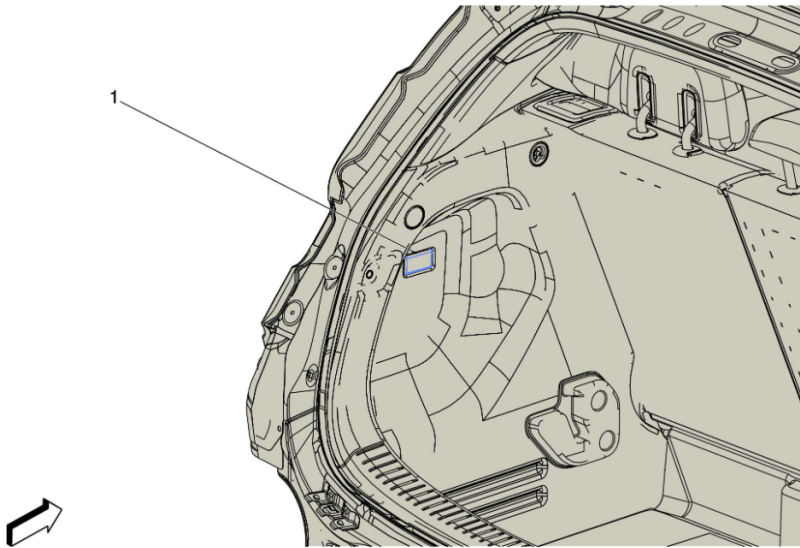


Fig. 1: Left Side Luggage Compartment Components

Courtesy of GENERAL MOTORS COMPANY

Items
1: E8S Rear Compartment Courtesy Lamp E8S Rear Compartment Courtesy Lamp

BOTTOM OF LUGGAGE COMPARTMENT COMPONENTS

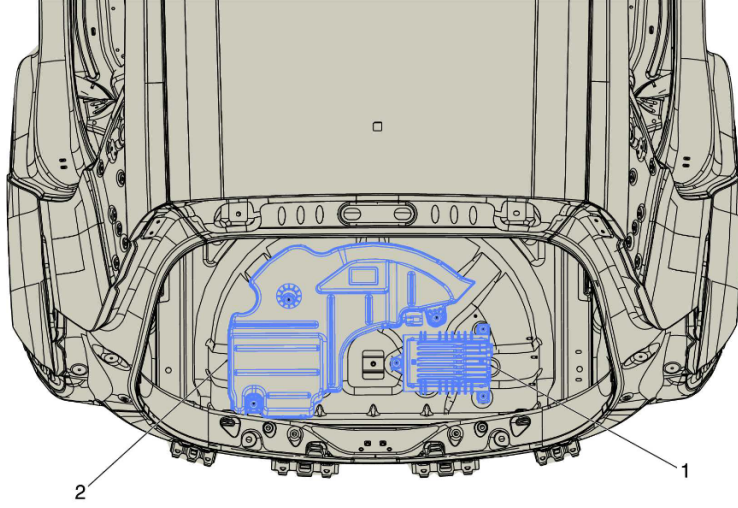


Fig. 2: Bottom of Luggage Compartment Components

Courtesy of GENERAL MOTORS COMPANY

Items	
1: T3 Audio Amplifier (UQA)	<u>T3 Audio Amplifier X1 (UQA)</u> <u>T3 Audio Amplifier X2 (UQA)</u> <u>T3 Audio Amplifier X3 (UQA)</u>
1: P19AC Speaker - Subwoofer	<u>P19AC Speaker - Subwoofer (UQA)</u>

LIFTGATE COMPONENTS

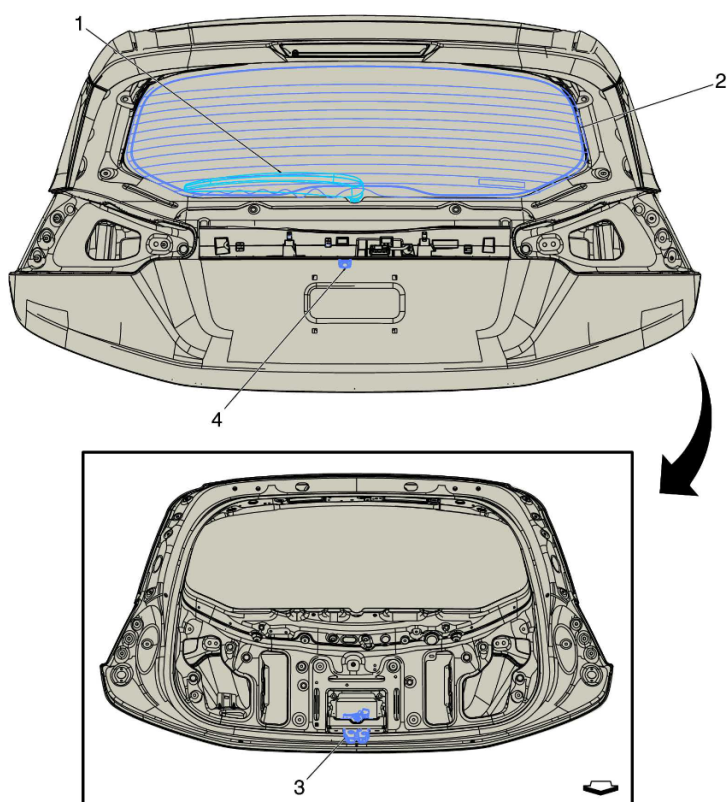


Fig. 3: Liftgate Components

Courtesy of GENERAL MOTORS COMPANY

Items	
1: M45 Rear Wiper Motor	M45 Rear Wiper Motor
2: E18 Rear Defogger Grid	E18 Rear Defogger Grid X1 E18 Rear Defogger Grid X2
3: A23C Liftgate Latch Assembly	A23C Liftgate Latch Assembly
4: B87 Rearview Camera	B87 Rearview Camera X1 (UVC) B87 Rearview Camera X1 (UVH) B87 Rearview Camera X2 (DRZ)

LEFT AND RIGHT REAR VEHICLE COMPONENTS

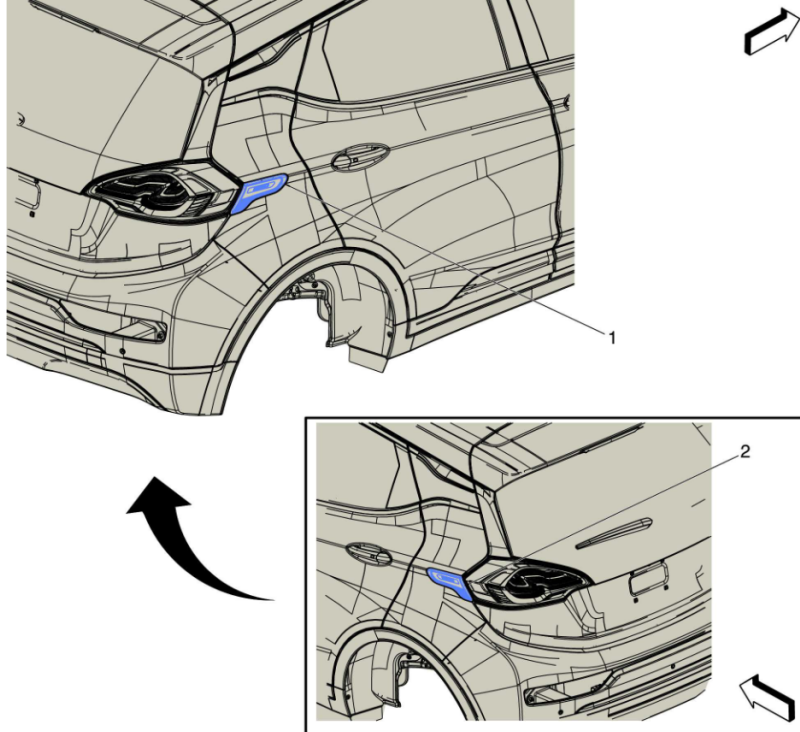
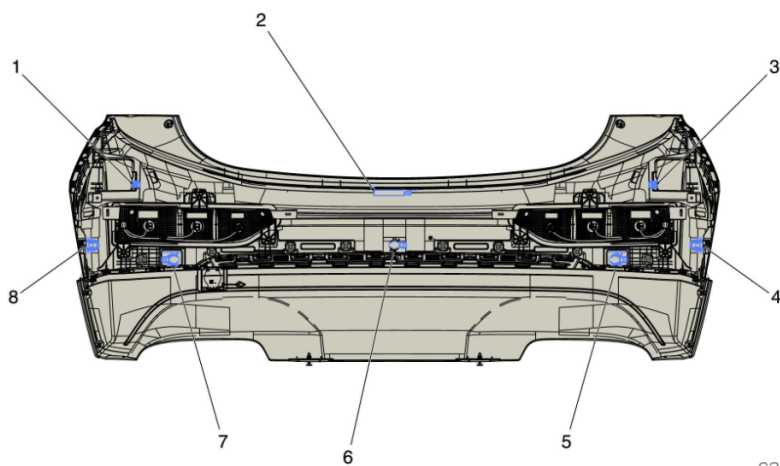


Fig. 4: Left and Right Rear Vehicle Components
 Courtesy of GENERAL MOTORS COMPANY

Items	
1: E2RR Side Marker Lamp - Right Rear	E2RR Side Marker Lamp - Right Rear (TW5)
2: E2LR Side Marker Lamp - Left Rear	E2LR Side Marker Lamp - Left Rear (TW5)

REAR FASCIA COMPONENTS



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Fig. 5: Rear Fascia Components
Courtesy of GENERAL MOTORS COMPANY

Items	
1: B218R Side Object Sensor Module - Right (UKC)	B218R Side Object Sensor Module - Right (UKC)
2: T10G Keyless Entry Antenna - Rear Fascia	T10G Keyless Entry Antenna - Rear Fascia
3: B218L Side Object Sensor Module - Left (UKC)	B218L Side Object Sensor Module - Left (UKC)
4: B306M Parking Assist Sensor - Side Left Rear (UFQ)	B306M Parking Assist Sensor - Side Left Rear (UFQ)
5: B306E Parking Assist Sensor - Rear Left Outer (UD5/UD7/UFQ)	B306E Parking Assist Sensor - Rear Left Outer (UD5/UD7/UFQ)
6: B306J Parking Assist Sensor - Rear Middle	B306J Parking Assist Sensor - Rear Middle
7: B306H Parking Assist Sensor - Rear Right Outer (UD5/UD7/UFQ)	B306H Parking Assist Sensor - Rear Right Outer (UD5/UD7/UFQ)
8: B306N Parking Assist Sensor - Side Right Rear (UFQ)	B306N Parking Assist Sensor - Side Right Rear (UFQ)

2017 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Master Electrical Component List - Bolt EV

MASTER ELECTRICAL COMPONENT LIST

Code	Name	Option	Location	Locator View	Connector End View
A4	Hybrid/EV Battery Pack	-	Underbody in rear of vehicle mounted above the rear axle.	-	A4 Hybrid/EV Battery Pack X1 A4 Hybrid/EV Battery Pack X3 A4 Hybrid/EV Battery Pack X4
A9A	Outside Rearview Mirror - Driver	-	On the outside of the driver door, near the front of the door	Driver Door Components	-
A9B	Outside Rearview Mirror - Passenger	-	On the outside of the front passenger door, near the front of the door	Passenger Door Components	-
A10	Inside Rearview Mirror	-	In the passenger compartment, front center, at top of windshield, at center	Headliner Components	A10 Inside Rearview Mirror X1 A10 Inside Rearview Mirror X2 (DRZ)
A11	Radio	-	In the passenger compartment, in the center of the instrument panel	Front of Instrument Panel Components	A11 Radio X1 A11 Radio X2 A11 Radio X3 A11 Radio X4 A11 Radio X5 A11 Radio X6 A11 Radio X8
A20	Radio/HVAC Controls	-	In the passenger compartment, front at center, part of the info display module	Front of Instrument Panel Components	A20 Radio/HVAC Controls
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Code	Name	Option	Location	Locator View	Connector End View
A23C	Liftgate Latch Assembly	-	In the passenger compartment, at the bottom middle of the liftgate	<u>Liftgate Components</u>	<u>A23C Liftgate Latch Assembly</u>
A23D	Door Latch Assembly - Driver	-	Inside the driver door, at rear below middle	<u>Driver Door Components</u>	<u>A23D Door Latch Assembly - Driver</u>
A23LR	Door Latch Assembly - Left Rear	-	Inside the left rear door, at rear below middle	<u>Left Rear Door Components</u>	<u>A23LR Door Latch Assembly - Left Rear</u>
A23P	Door Latch Assembly - Passenger	-	Inside the passenger door, at rear below middle	<u>Passenger Door Components</u>	<u>A23P Door Latch Assembly - Passenger</u>
A23RR	Door Latch Assembly - Right Rear	-	Inside the right rear door, at rear below middle	<u>Right Rear Door Components</u>	<u>A23RR Door Latch Assembly - Right Rear</u>
A24D	Door Handle Assembly - Driver Exterior	-	On outside of driver door, at rear	-	<u>A24D Door Handle Assembly - Driver Exterior</u>
A24LR	Door Handle Assembly - Left Rear Exterior	-	On outside of left rear door, at rear	-	<u>A24LR Door Handle Assembly - Left Rear Exterior</u>
A24P	Door Handle Assembly - Passenger Exterior	-	On outside of passenger door, at rear	-	<u>A24P Door Handle Assembly - Passenger Exterior</u>
A24RR	Door Handle Assembly - Right Rear Exterior	-	On outside of right rear door, at rear	-	<u>A24RR Door Handle Assembly - Right Rear Exterior</u>
A28	Hybrid/EV Battery Contactor Assembly	-	Inside battery pack assembly in front of battery sections	<u>Underbody - Hybrid/EV Battery Pack Components</u>	<u>A28 Hybrid/EV Battery Contactor Assembly X2</u>
B1	A/C Refrigerant Pressure Sensor	-	In the engine compartment in the high pressure line	-	<u>B1 A/C Refrigerant Pressure Sensor</u>
B1C	A/C Low Side Pressure Sensor	-	In the engine compartment, attached to the A/C line	-	<u>B1C A/C Low Side Pressure Sensor</u>
B5LF	Wheel Speed Sensor - Left Front	-	Near the left front wheel, to the rear of the knuckle	<u>Wheel Well Components - Front</u>	<u>B5LF Wheel Speed Sensor - Left Front</u>
B5LR	Wheel Speed Sensor - Left Rear	-	Near the left rear wheel, inside the hub	-	<u>B5LR Wheel Speed Sensor - Left Rear</u>
B5RF	Wheel Speed Sensor - Right Front	-	Near the right front wheel, to the rear of the knuckle	<u>Wheel Well Components - Front</u>	<u>B5RF Wheel Speed Sensor - Right Front</u>

Code	Name	Option	Location	Locator View	Connector End View
B5RR	Wheel Speed Sensor - Right Rear	-	Near the right rear wheel, inside the hub	Wheel Well Components - Rear	B5RR Wheel Speed Sensor - Right Rear
B7B	Air Temperature Sensor - Duct Lower	-	In the passenger compartment, behind the instrument panel, attached to the left lower HVAC duct	-	B7B Air Temperature Sensor - Duct Lower
B7F	Air Temperature Sensor - Duct Upper	-	In the passenger compartment, behind the instrument panel, attached to the left upper HVAC duct	HVAC Assembly Components	B7F Air Temperature Sensor - Duct Upper
B9	Ambient Air Temperature Sensor	-	On the front of the vehicle, to the right of the A/C condenser, mounted in the grill	Front Fascia Components	B9 Ambient Air Temperature Sensor
B10B	Ambient Light/Sunload Sensor	-	In the passenger compartment, at the top center of the instrument panel	-	-
B13	Transmission Fluid Temperature Sensor	-	In the engine compartment, internal to the automatic transmission assembly	-	-
B15	Transmission Internal Mode Switch	-	In the engine compartment, internal to the automatic transmission assembly	-	-
B18	Battery Current Sensor	-	In the engine compartment, left front, forward of battery, mounted to battery negative cable	Left Side Engine Compartment	B18 Battery Current Sensor
B20	Brake Fluid Level Switch	-	In the left rear of the engine compartment, at the bottom of the brake fluid reservoir	Left Side Engine Compartment	B20 Brake Fluid Level Switch cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
B22	Brake Pedal Position Sensor	-	In the passenger compartment, left front, left of accelerator pedal, mounted to bracket on lower bulkhead	<u>Left Front of Passenger Compartment Components</u>	<u>B22 Brake Pedal Position Sensor</u>
B24	Cellular Phone Microphone	-	In the passenger compartment, at the front of the headliner, next to the dome lamp	-	<u>B24 Mobile Telephone Microphone (UE1)</u>
B27D	Door Handle Switch - Driver Exterior	-	On outside of driver door, at rear, part of door handle assembly	<u>Driver Door Components</u>	<u>B27D Door Handle Switch - Driver Exterior</u>
B27LR	Door Handle Switch - Left Rear Exterior	-	On outside of left rear door, at rear, part of door handle assembly	<u>Left Rear Door Components</u>	<u>B27LR Door Handle Switch - Left Rear Exterior</u>
B27P	Door Handle Switch - Passenger Exterior	-	On outside of passenger door, at rear, part of door handle assembly	<u>Passenger Door Components</u>	<u>B27P Door Handle Switch - Passenger Exterior</u>
B27RR	Door Handle Switch - Right Rear Exterior	-	On outside of right rear door, at rear, part of door handle assembly	<u>Right Rear Door Components</u>	<u>B27RR Door Handle Switch - Right Rear Exterior</u>
B30	Hybrid/EV Battery Pack Current Sensor	-	Internal component to Hybrid/EV battery pack	-	-
B32A	Hybrid/EV Battery Temperature Sensor 1	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 1	-	-
B32B	Hybrid/EV Battery Temperature Sensor 2	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 2	-	-
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Code	Name	Option	Location	Locator View	Connector End View
B32C	Hybrid/EV Battery Temperature Sensor 3	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 3	-	-
B32D	Hybrid/EV Battery Temperature Sensor 4	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 4	-	-
B32E	Hybrid/EV Battery Temperature Sensor 5	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 5	-	-
B32F	Hybrid/EV Battery Temperature Sensor 6	-	Under the vehicle, in the Hybrid/EV battery part of Hybrid/EV battery module 6	-	-
B55	Hood Ajar Switch	-	In the engine compartment, to the left of the hood latch	<u>Front of Engine Compartment</u>	<u>B55 Engine Hood Switch</u>
B59L	Front Impact Sensor - Left	AYF	In the engine compartment, left of the hood latch	-	<u>B59L Front Impact Sensor - Left (AYF)</u>
B59R	Front Impact Sensor - Right	AYF	In the engine compartment, right of the hood latch	-	<u>B59R Front Impact Sensor - Right (AYF)</u>
B59	Front Impact Sensor	AY0	In the engine compartment, center of the hood latch	-	<u>B59 Front Impact Sensor (AY0)</u>
B60	Passenger Presence Sensor	-	In the passenger compartment, right forward of center, under the passenger seat.	-	<u>B60 Passenger Presence Sensor (-AL0+MAW)</u>
B61P	Seat Belt Tension Sensor - Passenger	-	Part of Passenger Seat Belt Buckle	<u>Right Front of Passenger Compartment Components</u>	<u>B61P Seat Belt Tension Sensor - Passenger (AL0)</u>

Code	Name	Option	Location	Locator View	Connector End View
B63L	Side Impact Sensor - Left	AY0	In the passenger compartment, at the bottom of the left B-pillar, behind the trim panel	<u>Left Front of Passenger Compartment Components</u>	<u>B63L Side Impact Sensor - Left (AY0)</u>
B63LF	Side Impact Sensor - Left Front	AYF	In the driver door, near middle, mounted to door beam	<u>Driver Door Components</u>	<u>B63LF Side Impact Sensor - Left Front (AYF)</u>
B63LR	Side Impact Sensor - Left Rear	AYF	In the passenger compartment, left rear, near outboard seat belt anchor bolt	<u>Left Rear of Passenger Compartment Components</u>	<u>B63LR Side Impact Sensor - Left Rear (AYF)</u>
B63R	Side Impact Sensor - Right	AY0	In the passenger compartment, at the bottom of the right B-pillar, behind the trim panel	<u>Right Front of Passenger Compartment Components</u>	<u>B63R Side Impact Sensor - Right (AY0)</u>
B63RF	Side Impact Sensor - Right Front	AYF	In the passenger door, near middle, mounted to door beam	<u>Passenger Door Components</u>	<u>B63RF Side Impact Sensor - Right Front (AYF)</u>
B63RR	Side Impact Sensor - Right Rear	AYF	In the passenger compartment, right rear, near outboard seat belt anchor bolt	<u>Right Rear of Passenger Compartment Components</u>	<u>B63RR Side Impact Sensor - Right Rear (AYF)</u>
B87	Rearview Camera	-	At the rear of vehicle, mounted to liftgate above license plate, left of center	<u>Liftgate Components</u>	<u>B87 Rearview Camera X1 (UVC)</u> <u>B87 Rearview Camera X1 (UVH)</u> <u>B87 Rearview Camera X2 (DRZ)</u>
B88D	Seat Belt Switch - Driver	-	In the passenger compartment, in the driver seat belt buckle	-	B88D Seat Belt Switch - Driver
B88P	Seat Belt Switch - Passenger	-	In the passenger compartment, in the passenger seat belt buckle	<u>Passenger Seat Components</u>	<u>B88P Seat Belt Switch - Passenger (AL0+AY0/AYF)</u>

Code	Name	Option	Location	Locator View	Connector End View
B107	Accelerator Pedal Position Sensor	-	In the passenger compartment, under the instrument panel near the accelerator pedal	Left Front of Passenger Compartment Components	B107 Accelerator Pedal Position Sensor
B153D	Seat Belt Buckle - Driver	-	In the passenger compartment mounted to the inboard side of the driver seat	-	B153D Seat Belt Buckle - Driver
B153P	Seat Belt Buckle - Passenger	-	In the passenger compartment mounted to the inboard side of the passenger seat	-	B153P Seat Belt Buckle - Passenger
B160	Windshield Temperature and Inside Moisture Sensor	-	In the passenger compartment, front center, mounted to top of windshield, near inside rearview mirror	Headliner Components	B160 Windshield Temperature and Inside Moisture Sensor
B174G	Frontview Camera - Grille	UVH	On the front of the vehicle, on the center of the grille	Front Fascia Components	B174G Frontview Camera - Grille (UVH)
B197	Charge Port Door Position Switch	-	Left front of the vehicle, behind the rear of the left front fender	-	B197 Charge Port Door Position Switch
B200	Rain Sensor Module	CE1	In the passenger compartment, in front of the inside rearview	-	B200 Rain Sensor Module (CE1)
B201	Brake Control Brake Pedal Position Sensor	-	In the passenger compartment, under the driver side of the instrument panel, mounted to the brake pedal	Left Side Engine Compartment	B201 Brake Control Brake Pedal Position Sensor
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Code	Name	Option	Location	Locator View	Connector End View
B202	Hybrid/EV Electronics Coolant Temperature Sensor	-	Right front of the engine compartment, mounted in the Hybrid/EV electronics radiator	-	<u>B202 Hybrid/EV Electronics Coolant Temperature Sensor</u>
B204A	Hybrid/EV Battery Pack Coolant Temperature Sensor 1	-	Rear of engine compartment, mounted within E54 Hybrid/EV Battery Pack Coolant Heater	<u>Underbody - Hybrid/EV Battery Pack Components</u>	<u>B204A Hybrid/EV Battery Pack Coolant Temperature Sensor 1</u>
B218L	Side Object Sensor Module - Left	UKC	Left rear of vehicle, mounted to back side of rear fascia	<u>Rear Fascia Components</u>	<u>B218L Side Object Sensor Module - Left (UKC)</u>
B218R	Side Object Sensor Module - Right	UKC	Right rear of vehicle, mounted to back side of rear fascia	<u>Rear Fascia Components</u>	<u>B218R Side Object Sensor Module - Right (UKC)</u>
B225L	Sideview Camera - Left	UVH	Outside of vehicle, left front, mounted to left outside rearview mirror	-	<u>B225L Sideview Camera - Left (UVH)</u>
B225R	Sideview Camera - Right	UVH	Outside of vehicle, right front, mounted to right outside rearview mirror	-	<u>B225R Sideview Camera - Right (UVH)</u>
B228	Drive Motor Position Sensor	-	In the engine compartment, internal to the automatic transmission assembly	-	-
B258	Hybrid/EV Battery Coolant Level Switch	-	In the engine compartment, right side front mounted battery coolant bottle	-	<u>B258 Hybrid/EV Battery Coolant Level Switch</u>
B282	Hybrid/EV Battery Charger Receptacle Temperature Sensor	-	At the left front of the vehicle, behind the rear of the left front fender	-	-
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Code	Name	Option	Location	Locator View	Connector End View
B305	Ambient Light/Sunload Sensor and Battery State of Charge Indicator	-	In passenger compartment, front of center, mounted in the instrument panel at base of windshield	Front of Instrument Panel Components	P36 Battery State of Charge Indicator
B306A	Parking Assist Sensor - Front Left Outer	UD5/UFQ	At the front of the vehicle, On the front fascia, near the left front corner.	Front Fascia Components Front Fascia Components	B306A Parking Assist Sensor - Front Left Outer (UD5/UFQ)
B306B	Parking Assist Sensor - Front Left Middle	UD5/UFQ	At the front of the vehicle, On the front fascia, near the left front middle.	-	B306B Parking Assist Sensor - Front Left Middle
B306C	Parking Assist Sensor - Front Right Middle	UD5/UFQ	At the front of the vehicle, On the front fascia, near the right front middle.	Front Fascia Components	B306C Parking Assist Sensor - Front Right Middle (UD5/UFQ)
B306D	Parking Assist Sensor - Front Right Outer	UD5/UFQ	At the front of the vehicle, On the front fascia, near the right front corner.	Front Fascia Components	B306D Parking Assist Sensor - Front Right Outer (UD5/UFQ)
B306E	Parking Assist Sensor - Rear Left Outer	UD5/UD7/UFQ	At the rear of the vehicle, on the rear fascia, near the left rear corner	Rear Fascia Components	B306E Parking Assist Sensor - Rear Left Outer (UD5/UD7/UFQ)
B306H	Parking Assist Sensor - Rear Right Outer	UD5/UD7/UFQ	At the rear of the vehicle, on the rear fascia, near the right rear corner	Rear Fascia Components	B306H Parking Assist Sensor - Rear Right Outer (UD5/UD7/UFQ)
B306J	Parking Assist Sensor - Rear Middle	-	At the rear of the vehicle, on the rear fascia, in the right center of the rear fascia	Rear Fascia Components	B306J Parking Assist Sensor - Rear Middle
B306K	Parking Assist Sensor - Side Left Front	UFQ	At the front of the vehicle, on the front fascia, near the left front corner	Front Fascia Components	B306K Parking Assist Sensor - Side Left Front (UFQ)
B306L	Parking Assist Sensor - Side Right Front	UFQ	At the front of the vehicle, on the front fascia, near the right front corner	Front Fascia Components	B306L Parking Assist Sensor - Side Right Front (UFQ)

Code	Name	Option	Location	Locator View	Connector End View
B306M	Parking Assist Sensor - Side Left Rear	UFQ	In rear of vehicle, mounted to left rear fascia	Rear Fascia Components	B306M Parking Assist Sensor - Side Left Rear (UFQ)
B306N	Parking Assist Sensor - Side Right Rear	UFQ	At the rear of the vehicle, on the rear fascia, on the passenger side	Rear Fascia Components	B306N Parking Assist Sensor - Side Right Rear (UFQ)
C1	Battery	-	In the engine compartment, left side, near front, mounted to battery tray, below battery cover	Left Side Engine Compartment	C1 Battery ((-) Body) - C1 Battery ((-) Battery)
C3	Telematics Communication Interface Control Module Battery	UE1	In the passenger compartment, behind the center of the instrument panel	Rear of Instrument Panel Components	C3 Telematics Communication Interface Control Module Battery (UE1)
C4A	Hybrid/EV Battery Section 1	-	Internal component to Hybrid/EV battery pack	-	-
C4B	Hybrid/EV Battery Section 2	-	Internal component to Hybrid/EV battery pack	-	-
C4C	Hybrid/EV Battery Section 3	-	Internal component to Hybrid/EV battery pack	-	-
C4D	Hybrid/EV Battery Section 4	-	Internal component to Hybrid/EV battery pack	-	-
C4E	Hybrid/EV Battery Section 5	-	Internal component to Hybrid/EV battery pack	-	-
C5A	Hybrid/EV Battery Module 1	-	Internal component to Hybrid/EV battery pack	-	C5A Hybrid/EV Battery Module 1 X1 C5A Hybrid/EV Battery Module 1 X2
C5B	Hybrid/EV Battery Module 2	-	Internal component to Hybrid/EV battery pack	-	C5B Hybrid/EV Battery Module 2 X1 C5B Hybrid/EV Battery Module 2 X2
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Code	Name	Option	Location	Locator View	Connector End View
C5C	Hybrid/EV Battery Module 3	-	Internal component to Hybrid/EV battery pack	-	• <u>C5C Hybrid/EV Battery Module 3 X1</u> • <u>C5C Hybrid/EV Battery Module 3 X2</u>
C5D	Hybrid/EV Battery Module 4	-	Internal component to Hybrid/EV battery pack	-	• <u>C5D Hybrid/EV Battery Module 4 X1</u> • <u>C5D Hybrid/EV Battery Module 4 X2</u>
C5E	Hybrid/EV Battery Module 5	-	Internal component to Hybrid/EV battery pack	-	• <u>C5E Hybrid/EV Battery Module 5 X1</u> • <u>C5E Hybrid/EV Battery Module 5 X2</u>
C5F	Hybrid/EV Battery Module 6	-	Internal component to Hybrid/EV battery pack	-	• <u>C5F Hybrid/EV Battery Module 6 X1</u> • <u>C5F Hybrid/EV Battery Module 6 X2</u>
C5G	Hybrid/EV Battery Module 7	-	Internal component to Hybrid/EV battery pack	-	• <u>C5G Hybrid/EV Battery Module 7 X1</u> • <u>C5G Hybrid/EV Battery Module 7 X2</u>
C5H	Hybrid/EV Battery Module 8	-	Internal component to Hybrid/EV battery pack	-	• <u>C5H Hybrid/EV Battery Module 8 X1</u> • <u>C5H Hybrid/EV Battery Module 8 X2</u>
C5J	Hybrid/EV Battery Module 9	-	Internal component to Hybrid/EV battery pack	-	• <u>C5J Hybrid/EV Battery Module 9 X1</u> • <u>C5J Hybrid/EV Battery Module 9 X2</u>
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Code	Name	Option	Location	Locator View	Connector End View
C5K	Hybrid/EV Battery Module 10	-	Internal component to Hybrid/EV battery pack	-	C5K Hybrid/EV Battery Module 10 X1 C5K Hybrid/EV Battery Module 10 X2
E1G	Accent Lamp - Left Instrument Panel	-	In the passenger compartment, left front, in the instrument panel, below left outboard vent	Front of Instrument Panel Components	E1G Accent Lamp - Left Instrument Panel
E1H	Accent Lamp - Right Instrument Panel	-	In the passenger compartment, right front, in the instrument panel, below right outboard vent	Front of Instrument Panel Components	E1H Accent Lamp - Right Instrument Panel
E2LF	Side Marker Lamp - Left Front	-	At left side, front of vehicle forward of left front wheel well	-	-
E2LR	Side Marker Lamp - Left Rear	-	At left rear corner of vehicle, within the tail lamp assembly, outboard lamp	Left and Right Rear Vehicle Components	E2LR Side Marker Lamp - Left Rear (TW5)
E2RF	Side Marker Lamp - Right Front	-	At right side, front of vehicle forward of right front wheel well	-	-
E2RR	Side Marker Lamp - Right Rear	-	At right rear corner of vehicle, within the tail lamp assembly, outboard lamp	Left and Right Rear Vehicle Components	E2RR Side Marker Lamp - Right Rear (TW5)
E4C	Daytime Running Lamp - Left	-	LED within the left front head lamp assembly	-	-
E4D	Daytime Running Lamp - Right	-	LED within the right front headlamp assembly	-	-
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Code	Name	Option	Location	Locator View	Connector End View
E4G	Headlamp - Left Low Beam	-	At the front of vehicle, left side, within headlamp assembly	-	-
E4H	Headlamp - Right Low Beam	-	At the front of vehicle, right side, within headlamp assembly	-	-
E4J	Park Lamp - Left Front	-	At the front of vehicle, left side, within headlamp assembly, outboard bottom position	-	-
E4K	Park Lamp - Right Front	-	At the front of vehicle, right side, within headlamp assembly, outboard bottom position	-	-
E4LF	Turn Signal Lamp - Left Front	-	At the front of vehicle, left side, within headlamp assembly, bottom inboard position	Front Fascia Components	E4LF Turn Signal Lamp - Left Front (KA6)
E4LR	Turn Signal Lamp - Left Rear	-	At the rear of vehicle, left side, within tail lamp assembly, center position	-	-
E4RF	Turn Signal Lamp - Right Front	-	At the front of vehicle, right side, within headlamp assembly, bottom inboard position	Front Fascia Components	E4RF Turn Signal Lamp - Right Front
E4RR	Turn Signal Lamp - Right Rear	-	At the rear of vehicle, right side, within tail lamp assembly, center position	-	-
E4Y	Turn Signal Repeater Lamp - Left	-	In outside rearview mirror	Driver Door Components	-
E4Z	Turn Signal Repeater Lamp - Right	-	In outside rearview mirror	Passenger Door Components	cardiagn.com -

Code	Name	Option	Location	Locator View	Connector End View
E5A	Backup Lamp - Left	-	In the left rear corner of the vehicle, in the left rear lamp assembly	-	-
E5AA	Tail/Stop Lamp - Left	-	In the left rear corner of the vehicle, in the left rear lamp assembly	-	-
E5AB	Tail/Stop Lamp - Right	-	In the right rear corner of the vehicle, in the right rear lamp assembly	-	-
E5B	Backup Lamp - Right	-	In the right rear corner of the vehicle, in the right rear lamp assembly	-	-
E5LC	Tail/Stop Lamp - Auxiliary Left	-	On the vehicle exterior, at the left rear corner of the vehicle, part of E51L Tail Lamp Assembly - Auxiliary Left	-	-
E5RC	Tail/Stop Lamp - Auxiliary Right	-	On the vehicle exterior, at the right rear corner of the vehicle, part of E51R Tail Lamp Assembly - Auxiliary Right	-	-
E6	Center High Mounted Stop Lamp	-	In the passenger compartment, at the top of the liftgate	-	<u>E6 Center High Mounted Stop Lamp</u>
E7L	License Plate Lamp - Left	-	On the outside of the liftgate, near the outside handle	-	<u>E7L License Plate Lamp - Left</u>
E7R	License Plate Lamp - Right	-	On the outside of the liftgate, near the outside handle	-	<u>E7R License Plate Lamp - Right</u>
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Code	Name	Option	Location	Locator View	Connector End View
E8S	Rear Compartment Courtesy Lamp	-	Inside luggage compartment in the left rear quarter trim	<u>Left Side Luggage Compartment Components</u>	<u>E8S Rear Compartment Courtesy Lamp</u>
E13LA	Headlamp Assembly - Left	-	On the outside of the vehicle, at the left front corner of the vehicle	-	-
E13RA	Headlamp Assembly - Right	-	On the outside of the vehicle, at the right front corner of the vehicle	-	-
E14A	Seat Heating Element - Driver Back	KA1	In the passenger compartment, inside the driver seat back	-	E14A Seat Heating Element - Driver Back (KA1)
E14B	Seat Heating Element - Driver Cushion	KA1	In the passenger compartment, inside the driver seat cushion	-	E14B Seat Heating Element - Driver Cushion (KA1)
E14C	Seat Heating Element - Passenger Back	KA1	In the passenger compartment, inside the front passenger seat back	<u>Passenger Seat Components</u>	<u>E14C Seat Heating Element - Passenger Back (KA1)</u>
E14D	Seat Heating Element - Passenger Cushion	KA1	In the passenger compartment, inside the front passenger seat cushion	<u>Passenger Seat Components</u>	<u>E14D Seat Heating Element - Passenger Cushion</u>
E14F	Seat Heating Element - Left Rear Cushion	KA6	In the passenger compartment, inside the left rear seat cushion	-	<u>E14F Seat Heating Element - Left Rear Cushion (KA6)</u>
E14H	Seat Heating Element - Right Rear Cushion	KA6	In the passenger compartment, inside the right rear seat cushion	-	<u>E14H Seat Heating Element - Right Rear Cushion</u>
E15	Steering Wheel Heater	UVD	In the passenger compartment, left front, within the steering wheel rim	-	<u>E15 Steering Wheel Heater</u> cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
E17D	Outside Rearview Mirror Glass - Driver	-	On the outside of the driver door, part of the outside rearview mirror - driver, at front	Driver Door Components	-
E17P	Outside Rearview Mirror Glass - Passenger	-	On the outside of the passenger door, part of the outside rearview mirror - passenger, at front	Passenger Door Components	-
E18	Rear Defogger Grid	-	Inside the passenger compartment, attached to the rear window	Liftgate Components	E18 Rear Defogger Grid X1 E18 Rear Defogger Grid X2
E29R	Fog Lamp - Rear	-	At rear of vehicle, lower Left, in lamp assembly	-	-
E37D	Dome/Reading Lamps - Overhead Console	-	In the passenger compartment, front center of the headliner between the sunshades	Headliner Components	E37D Dome/Reading Lamps - Overhead Console
E37R	Dome/Reading Lamps - Rear	-	In the passenger compartment, center of the headliner	Headliner Components	E37R Dome/Reading Lamps - Rear
E42L	Tail Lamp Assembly - Left	-	At the left rear corner of the vehicle	-	-
E42R	Tail Lamp Assembly - Right	-	At the right rear corner of the vehicle	-	-
E51L	Tail Lamp Assembly - Auxiliary Left	-	On the vehicle exterior, at the left rear of the vehicle	-	-
E51R	Tail Lamp Assembly - Auxiliary Right	-	On the vehicle exterior, at the right rear of the vehicle	-	-
E54	Hybrid/EV Battery Pack Coolant Heater	-	Rear of engine compartment, mounter by Hybrid/EV battery pack	Underbody - Hybrid/EV Battery Pack Components	Underbody - Hybrid/EV Battery Pack Components

Code	Name	Option	Location	Locator View	Connector End View
F101	Passenger Instrument Panel Air Bag	-	In the passenger compartment, in the passenger side of the instrument panel	<u>Front of Instrument Panel Components</u>	<u>F101 Passenger Instrument Panel Air Bag X1</u> <u>F101 Passenger Instrument Panel Air Bag X2</u>
F105L	Roof Rail Air Bag - Left	-	In the passenger compartment, on the left side of the roof	<u>Left Front of Passenger Compartment Components</u>	<u>F105L Roof Rail Air Bag - Left (AYF/AY0)</u>
F105R	Roof Rail Air Bag - Right	-	In the passenger compartment, on the right side of the roof	<u>Right Front of Passenger Compartment Components</u>	<u>F105R Roof Rail Air Bag - Right (AYF/AY0)</u>
F106LF	Seat Side Air Bag - Left Front	-	In the passenger compartment, in the left front seat back	-	F106LF Seat Side Air Bag - Left Front
F106LR	Seat Side Air Bag - Left Rear	-	In the passenger compartment, on the left side of the rear seat back	<u>Left Rear of Passenger Compartment Components</u>	<u>F106LR Seat Side Air Bag - Left Rear (AYF)</u>
F106RF	Seat Side Air Bag - Right Front	-	In the passenger compartment, in the right front seat back	-	<u>F106P Seat Side Air Bag - Passenger (AY0/AYF)</u>
F106RR	Seat Side Air Bag - Right Rear	-	In the passenger compartment, on the right side of the rear seat back	<u>Right Rear of Passenger Compartment Components</u>	<u>F106RR Seat Side Air Bag - Right Rear (AYF)</u>
F107	Steering Wheel Air Bag	-	In the passenger compartment, in the steering wheel	-	<u>F107 Steering Wheel Air Bag X1</u> <u>F107 Steering Wheel Air Bag X2</u>
F112D	Seat Belt Retractor Pretensioner - Driver	-	In the passenger compartment, at the bottom of the left B-pillar	<u>Left Front of Passenger Compartment Components</u>	<u>F112D Seat Belt Retractor Pretensioner - Driver (AY0)</u>
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Code	Name	Option	Location	Locator View	Connector End View
F112LR	Seat Belt Retractor Pretensioner - Left Rear	-	In the passenger compartment, mounted at top left of C-pillar	<u>Left Rear of Passenger Compartment Components</u>	<u>F112LR Seat Belt Retractor Pretensioner - Left Rear (SBK)</u>
F112P	Seat Belt Retractor Pretensioner - Passenger	-	In the passenger compartment, at the bottom of the right B-pillar	<u>Right Front of Passenger Compartment Components</u>	<u>F112P Seat Belt Retractor Pretensioner - Passenger (AY0)</u>
F112RR	Seat Belt Retractor Pretensioner - Right Rear	-	In the passenger compartment, mounted at top right of C-pillar	<u>Right Rear of Passenger Compartment Components</u>	<u>F112RR Seat Belt Retractor Pretensioner - Right Rear (SBK)</u>
F113D	Seat Belt Anchor Pretensioner - Driver	-	In the passenger compartment, on the lower outside of the driver seat, mounted to the floor	<u>Left Front of Passenger Compartment Components</u>	<u>F113D Seat Belt Anchor Pretensioner - Driver (AY0)</u>
F113P	Seat Belt Anchor Pretensioner - Passenger	-	In the passenger compartment, on the lower outside of the passenger seat, mounted to the floor	<u>Right Front of Passenger Compartment Components</u>	<u>F113P Seat Belt Anchor Pretensioner - Passenger (AY0)</u>
F114D	Knee Air Bag - Driver	-	In the passenger compartment, at the bottom of the driver side of the instrument panel	<u>Rear of Instrument Panel Components</u>	<u>F114D Knee Air Bag - Driver (AYF)</u>
F114P	Knee Air Bag - Passenger	-	In the passenger compartment, at the bottom of the passenger side of the instrument panel	<u>Rear of Instrument Panel Components</u>	<u>F114P Knee Air Bag - Passenger (AYF)</u>
G1	A/C Compressor	-	In the engine compartment, at the bottom, front center of drive motor.	<u>Front of Hybrid/EV Drive Unit</u>	<u>G1 A/C Compressor X1</u> <u>G1 A/C Compressor X2</u>
G5	Transmission Fluid Pump - Electric/Auxiliary	-	In the engine compartment, internal to the transmission assembly	<u>Hybrid/EV Transmission Drive Unit</u>	<u>G5 Transmission Fluid Pump - Electric/Auxiliary</u>

Code	Name	Option	Location	Locator View	Connector End View
G10	Cooling Fan Motor	-	In the engine compartment, attached to the radiator shroud	-	<u>G10 Cooling Fan Motor</u>
G17	Heater Coolant Pump	-	In the engine compartment, right front, mounted to inside of right frame rail	-	-
G19	Rear Window Washer Pump	-	In the front of vehicle, behind front fascia in the right front corner, in the washer fluid reservoir	<u>Front of Engine Compartment</u>	<u>G19 Rear Window Washer Pump</u>
G24	Windshield Washer Pump	-	In the front of vehicle, behind front fascia in the right front corner, in the washer fluid reservoir	<u>Front of Engine Compartment</u>	<u>G24 Windshield Washer Pump</u>
G35	Hybrid/EV Electronics Coolant Pump	-	In the engine compartment, right front lower	<u>Engine Compartment Top</u>	<u>G35 Hybrid/EV Electronics Coolant Pump</u>
G36	Auxiliary Heater Coolant Pump	-	At the right side of the engine compartment, mounted to the suspension cradle	<u>Engine Compartment Top</u>	<u>G36 Auxiliary Heater Coolant Pump</u>
G37	Hybrid/EV Battery Pack Coolant Pump	-	At the front of the engine compartment, mounted to the center of the lower core support	<u>Engine Compartment Top</u>	<u>G37 Hybrid/EV Battery Pack Coolant Pump</u>
K1	14V Power Module	-	In the engine compartment on top of drive motor and under the power inverter module	<u>Engine Compartment Top</u>	• <u>K1 14V Power Module X1</u> • <u>K1 14V Power Module X2</u> • <u>K1 14V Power Module X3</u> • <u>K1 14V Power Module X4</u>

Code	Name	Option	Location	Locator View	Connector End View
K6	Transmission Fluid Pump Control Module - Electric/Auxiliary	-	In the left side of the engine compartment, part of the power inverter module assembly	-	-
K8	Blower Motor Control Module	-	In the passenger compartment, under the passenger side of the instrument panel, mounted to the HVAC module assembly	HVAC Assembly Components	K8 Blower Motor Control Module
K9	Body Control Module	-	In the passenger compartment, instrument panel	Left Front of Passenger Compartment Components Rear of Instrument Panel Components	K9 Body Control Module X1 K9 Body Control Module X2 K9 Body Control Module X3 K9 Body Control Module X4 K9 Body Control Module X5 K9 Body Control Module X6 K9 Body Control Module X7
K10	Coolant Heater Control Module	-	At the center rear of the engine compartment, mounted to the bulkhead	Right Side Engine Compartment	K10 Coolant Heater Control Module X1 K10 Coolant Heater Control Module X2
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Code	Name	Option	Location	Locator View	Connector End View
K16	Battery Energy Control Module	-	Underbody Integrated to the Hybrid/EV Battery Pack.	-	K16 Battery Energy Control Module X1 K16 Battery Energy Control Module X2 K16 Battery Energy Control Module X3 K16 Battery Energy Control Module X4 K16 Battery Energy Control Module X5 K16 Battery Energy Control Module X6 K16 Battery Energy Control Module X7 K16 Battery Energy Control Module X8
K17	Electronic Brake Control Module	-	In the engine compartment, behind the right headlamp	Right Side Engine Compartment	K17 Electronic Brake Control Module
K20	Engine Control Module	-	In the engine compartment, Mounted on top of the on board charging module	Engine Compartment Top	K20 Engine Control Module X1 K20 Engine Control Module X2 K20 Engine Control Module X3
K29F	Seat Heating Control Module - Front	KA1	In the passenger compartment, under the passenger seat cushion	Passenger Seat Components	K29F Seat Heating Control Module - Front X1 (KA1) K29F Seat Heating Control Module - Front X2 (KA1)
K29R	Seat Heating Control Module - Rear	KA6	In the passenger compartment, center rear, underneath center of rear seat cushion	-	Ã,Ã cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
K32	Steering Wheel Heating Control Module	UVD	In the passenger compartment, left front, attached to front steering wheel cover left of center	-	K32 Steering Wheel Heating Control Module
K33	HVAC Control Module	-	In the passenger compartment, in the center of the instrument panel, behind the HVAC controls	HVAC Assembly Components	• K33 HVAC Control Module X1 • K33 HVAC Control Module X2 • K33 HVAC Control Module X3
K36	Inflatable Restraint Sensing and Diagnostic Module	-	In the passenger compartment, under center console	Left Front of Passenger Compartment Components	• K36 Inflatable Restraint Sensing and Diagnostic Module X1 • K36 Inflatable Restraint Sensing and Diagnostic Module X2 (AY0/AYF) • K36 Inflatable Restraint Sensing and Diagnostic Module X2 (AY0+MAW)
K38	Chassis Control Module	-	In the passenger compartment, near the floor under the front of the center console on top of the body control module.	Left Front of Passenger Compartment Components	K38 Chassis Control Module
K43	Power Steering Control Module	-	In the passenger compartment, behind the instrument panel	Steering Column Components	• M38 Power Steering Motor X1 • M38 Power Steering Motor X2

Code	Name	Option	Location	Locator View	Connector End View
K56	Serial Data Gateway Module	-	In the passenger compartment, driver side front, in the instrument panel, outboard of steering column, near the Body Control Module	Rear of Instrument Panel Components	• K56 Serial Data Gateway Module X1 • K56 Serial Data Gateway Module X2
K57	Battery Charger Control Module	-	Underhood, Internal component of battery charger	-	K57 Battery Charger Control Module X1
K60	Steering Column Lock Module	N06	In the passenger compartment, left front, attached to steering column, lower	Steering Column Components	K60 Steering Column Lock Module (N06)
K68	Trailer Lighting Control Module	MBM	In the luggage compartment, mounted at base of left C-pillar	Left Rear of Passenger Compartment Components	• K68 Trailer Lighting Control Module X1 (MBM) • K68 Trailer Lighting Control Module X2 (MBM)
K73	Telematics Communication Interface Control Module	-	In the passenger compartment, mounted under passenger seat	Rear of Instrument Panel Components	• K73 Telematics Communication Interface Control Module X1 (UE1) • K73 Telematics Communication Interface Control Module X2 (UE1) • K73 Telematics Communication Interface Control Module X5 • K73 Telematics Communication Interface Control Module X7
K77	Remote Control Door Lock Receiver	-	In the passenger compartment, mounted at top rear left of C-pillar	Left Rear of Passenger Compartment Components	K77 Remote Control Door Lock Receiver
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Code	Name	Option	Location	Locator View	Connector End View
K83	Park Brake Control Module	-	Mounted under vehicle on right side, between the hybrid battery pack and rear bumper	-	-
K84	Keyless Entry Control Module	-	In the luggage compartment on the right side behind quarter panel trim	Rear of Instrument Panel Components	K84 Keyless Entry Control Module X1 K84 Keyless Entry Control Module X2
K85	Passenger Presence Module	-	Under passenger seat mounted to seat frame	Passenger Seat Components	K85 Passenger Presence Module
K89	Immobilizer Control Module	-	In the passenger compartment, behind the instrument panel near the steering column	Center Console Components Bottom	K89 Immobilizer Control Module
K101	Trailer Interface Control Module	MAH/MBC/MAW/MCX	In the luggage compartment, mounted at base of left C-pillar	Left Rear of Passenger Compartment Components	K101 Trailer Interface Control Module X1 K101 Trailer Interface Control Module X2
K107	Drive Motor Control Module	-	In the engine compartment, internal component of the power inverter module	-	-
K109	Frontview Camera Module	UEU	In the passenger compartment, at the top center of the windshield.	Headliner Components	B174W Frontview Camera - Windshield (UEU/UHX/UHY/UVX)
K114A	Hybrid/EV Powertrain Control Module 1	-	In the engine compartment internal component of the power inverter module.	-	-

Code	Name	Option	Location	Locator View	Connector End View
K114B	Hybrid/EV Powertrain Control Module 2	-	In the passenger compartment, under the right front seat	<u>Right Front of Passenger Compartment Components</u>	<u>K114B Hybrid/EV Powertrain Control Module 2 X1</u> <u>K114B Hybrid/EV Powertrain Control Module 2 X2</u>
K132	Pedestrian Alert Sound Control Module	-	In the passenger compartment, under center console	<u>Left Front of Passenger Compartment Components</u>	<u>K132 Pedestrian Alert Sound Control Module</u>
K157	Video Processing Control Module	-	In the passenger compartment, mounted under center console	<u>Right Rear of Passenger Compartment Components</u>	<u>K157 Video Processing Control Module X1 (UVH)</u> <u>K157 Video Processing Control Module X2 (UVH)</u>
K173	Transmission Range Control Module	-	In the left side of the engine compartment, mounted on the top front of the transmission.	<u>Hybrid/EV Transmission Drive Unit</u>	<u>K173 Transmission Range Control Module</u>
K177	Brake Booster Control Module	-	In the engine compartment, mounted behind the brake master cylinder	<u>Left Side Engine Compartment</u>	<u>K177 Brake Booster Control Module</u>
K182	Parking Assist Control Module	-	In the luggage compartment, mounted at the base of the C-pillar	<u>Left Rear of Passenger Compartment Components</u>	<u>K182 Parking Assist Control Module X1</u> <u>K182 Parking Assist Control Module X2</u> <u>K182 Parking Assist Control Module X3</u>
K183	Short Range Remote Control Transceiver	-	In the passenger compartment, mounted in the middle of the left C-pillar	<u>Right Rear of Passenger Compartment Components</u>	<u>K183 Short Range Remote Control Transceiver</u>
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Code	Name	Option	Location	Locator View	Connector End View
K190	Power Line Communication Module	-	In the passenger compartment, mounted under drivers seat	Left Front of Passenger Compartment Components	• K190 Power Line Communication Module X1 (CBT) • K190 Power Line Communication Module X2 (CBT)
M6	Air Temperature Door Actuator	-	In the passenger compartment, behind the center of the instrument panel	HVAC Assembly Components	M6 Air Temperature Door Actuator
M8	Blower Motor	-	In the passenger compartment, behind the passenger side of the instrument panel	HVAC Assembly Components	M8 Blower Motor
M15	Drive Motor	-	In the engine compartment	-	-
M28L	High Beam Solenoid Actuator - Left	-	At the front of vehicle, left side, inside of headlamp assembly, outboard side of projector	-	-
M28R	High Beam Solenoid Actuator - Right	-	At the front of vehicle, right side, inside of headlamp assembly, outboard side of projector	-	-
M29L	Headlamp Leveling Actuator - Left	TR6	At the front of vehicle, left side, back side of headlamp assembly, inboard center position	-	M29L Headlamp Leveling Actuator - Left (TR6)
M29R	Headlamp Leveling Actuator - Right	TR6	At the front of vehicle, right side, back side of headlamp assembly, inboard center position	-	M29R Headlamp Leveling Actuator - Right (TR6)
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Code	Name	Option	Location	Locator View	Connector End View
M37	Mode Door Actuator	-	In the passenger compartment, left front, within the instrument panel, mounted to left of HVAC assembly	HVAC Assembly Components	M37 Mode Door Actuator
M45	Rear Wiper Motor	-	In the vehicle interior, inside the liftgate	Liftgate Components	M45 Rear Wiper Motor
M46	Air Recirculation Door Actuator	-	In the passenger compartment, left front, within the instrument panel, mounted to right of HVAC assembly	-	M46 Air Recirculation Door Actuator
M74D	Window Motor - Driver	-	In the passenger compartment, inside the driver door	Driver Door Components	M74D Window Motor - Driver
M74LR	Window Motor - Left Rear	-	In the passenger compartment, inside the left rear door	Left Rear Door Components	M74LR Window Motor - Left Rear
M74P	Window Motor - Passenger	-	In the passenger compartment, inside the passenger door	Passenger Door Components	M74P Window Motor - Passenger
M74RR	Window Motor - Right Rear	-	In the passenger compartment, inside the right rear door	Right Rear Door Components	M74RR Window Motor - Right Rear
M75L	Windshield Wiper Motor Module - Left	-	In the cowl panel, at the base of the windshield left side	Left Side Engine Compartment	M75L Windshield Wiper Motor Module - Left
M75R	Windshield Wiper Motor Module - Right	-	In the cowl panel, at the base of the windshield, right side	Right Side Engine Compartment	M75R Windshield Wiper Motor Module - Right
M77D	Outside Rearview Mirror Motor - Driver	-	In the passenger compartment, behind the driver door panel	-	- cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
M77P	Outside Rearview Mirror Motor - Passenger	-	In the passenger compartment, behind the passenger door panel	-	-
M78D	Outside Rearview Mirror Folding Motor - Driver	DLR	On outside of driver door, front middle, forward of window opening, part of outside rearview mirror assembly	-	-
M78P	Outside Rearview Mirror Folding Motor - Passenger	DLR	On outside of passenger door, front middle, forward of window opening, part of outside rearview mirror assembly	-	-
M96	Active Grille Air Shutter Actuator	-	At front of vehicle, at center, rear of lower center grille opening	-	M96 Active Grille Air Shutter Actuator
M104L	Park Brake Actuator - Left	-	In the vehicle underbody, left rear, mounted to the left rear caliper bracket	Wheel Well Components - Rear	M104L Park Brake Actuator - Left
M104R	Park Brake Actuator - Right	-	In the vehicle underbody, right rear, mounted to the right rear caliper bracket	Wheel Well Components - Rear	M104R Park Brake Actuator - Right
M110	Hybrid/EV Battery Charger Receptacle Lock Actuator	-	In the charging port, on left front of vehicle	-	-
P2	Transmission Shift Lever Position Indicator	-	In the passenger compartment, on the center console, in the automatic transmission shift lever	Center Console Components Top	P2 Transmission Shift Lever Position Indicator
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Code	Name	Option	Location	Locator View	Connector End View
P9	Driver Information Center Display	-	In the passenger compartment, part of the instrument cluster assembly	-	-
P12L	Horn - Left	-	In the left front of the engine compartment, at the frame rail just behind the radiator.	Front of Engine Compartment	P12L Horn - Left
P12R	Horn - Right	-	In the right front of the engine compartment, at the frame rail just behind the radiator.	Front of Engine Compartment	P12R Horn - Right
P14	Passenger Air Bag Disabled Indicator	-	in the passenger compartment, mounted in the headliner, part of over head console assembly	Headliner Components	P14 Passenger Air Bag Disabled Indicator
P16	Instrument Cluster	-	In the passenger compartment, in the driver side of the instrument panel	Front of Instrument Panel Components	P16 Instrument Cluster
P17	Info Display Module	-	In the passenger compartment, in the Center of the instrument panel, above radio	-	P17 Info Display Module X1
P19AC	Speaker - Subwoofer	-	In the passenger compartment, in the center of the rear well	Bottom of Luggage Compartment Components	P19AC Speaker - Subwoofer (UQA)
P19AG	Speaker - Left Front Door	-	On the left front door, front lower, behind door trim	Driver Door Components	P19AG Speaker - Left Front Door (UQ3) P19AG Speaker - Left Front Door (UQA)
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Code	Name	Option	Location	Locator View	Connector End View
P19AH	Speaker - Right Front Door	-	On the right front door, front lower, behind door trim	• <u>Front of Instrument Panel Components</u> • <u>Passenger Door Components</u>	• <u>P19AH Speaker - Right Front Door (UQ3)</u> • <u>P19AH Speaker - Right Front Door (UQA)</u>
P19AL	Speaker - Left Rear Door	-	On the left rear door, front lower, behind door trim	<u>Left Rear Door Components</u>	• <u>P19AL Speaker - Left Rear Door (UQ3)</u> • <u>P19AL Speaker - Left Rear Door (UQA)</u>
P19AM	Speaker - Right Rear Door	-	On the right rear door, front lower, behind door trim	<u>Right Rear Door Components</u>	• <u>P19AM Speaker - Right Rear Door (UQ3)</u> • <u>P19AM Speaker - Right Rear Door (UQA)</u>
P19H	Speaker - Left Front Tweeter	-	In the passenger compartment, left front, mounted to rear of A-pillar trim	<u>Front of Instrument Panel Components</u>	<u>P19H Speaker - Left Front Tweeter (UQA)</u>
P19V	Speaker - Right Front Tweeter	-	In the passenger compartment, right front, mounted to rear of A-pillar trim	-	<u>P19V Speaker - Right Front Tweeter (UQA)</u>
P34D	Side Object Detection Indicator - Driver	-	On outside of driver door, front middle, forward of window opening, part of outside rearview mirror glass	<u>Driver Door Components</u>	-
P34P	Side Object Detection Indicator - Passenger	-	On outside of passenger door, front middle, forward of window opening, part of outside rearview mirror glass	<u>Passenger Door Components</u>	-
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Code	Name	Option	Location	Locator View	Connector End View
P43	Collision Alert Indicators	-	In the passenger compartment, left front, mounted to instrument panel, forward of instrument cluster	Rear of Instrument Panel Components	P43 Collision Alert Indicators (UEU/UHX/UHY/UVX)
P48	Pedestrian Alert Sound Speaker	-	Front of vehicle left side behind fascia, below headlamp - left	Front of Engine Compartment	P48 Pedestrian Alert Sound Speaker
Q5	Brake Pressure Modulator	-	At the rear of the engine compartment, driver side, mounted to the electronic brake control module	-	-
R25	Hybrid/EV Battery Pre-Charge Resistor	-	Inside hybrid/ev battery pack.	-	-
S2	Transmission Manual Shift Switch	-	In the passenger compartment, in the center of the center console, part of the shift lever assembly	-	-
S3	Transmission Shift Lever	-	In the passenger compartment, in the center console	-	S3 Transmission Shift Lever
S13D	Door Lock Switch - Driver	-	In the passenger compartment, inside the driver door	Driver Door Trim Components	S13D Door Lock Switch - Driver
S13P	Door Lock Switch - Passenger	-	In the passenger compartment, inside the passenger door	Passenger Door Trim Components	S13P Door Lock Switch - Passenger
S15	Manual Service Disconnect	-	In the passenger compartment under rear seat lower cushion	-	-
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Code	Name	Option	Location	Locator View	Connector End View
S26	Hazard Warning Switch	-	In the passenger compartment, in the center of the instrument panel	-	-
S30	Headlamp Switch	-	In the passenger compartment, on the left side of the instrument panel, between the steering column, and the driver door	Front of Instrument Panel Components	S30 Headlamp Switch
S32LR	Seat Heating Switch - Left Rear	KA6	In the left rear door trim panel, mounted to left rear door trim plate	Left Rear Door Trim Components	S32LR Seat Heating Switch - Left Rear (KA6)
S32RR	Seat Heating Switch - Right Rear	KA6	In the right rear door trim panel, mounted to right rear door trim plate	Right Rear Door Trim Components	S32RR Seat Heating Switch - Right Rear
S33	Horn Switch	-	In the passenger compartment, within the steering wheel, forward of the air bag.	-	S33 Horn Switch
S40	Passenger Air Bag Disable Switch	-	In the passenger compartment, on the instrument panel	Rear of Instrument Panel Components	S40 Passenger Air Bag Disable Switch (C99)
S46B	Liftgate Unlatch Switch	-	In the passenger compartment, on the instrument panel left of steering column	-	S46B Liftgate Unlatch Switch
S48C	Multifunction Switch 1 - Instrument Panel	-	In the passenger compartment, left side of the steering column on instrument panel, left of center	Front of Instrument Panel Components	S48C Multifunction Switch 1 - Instrument Panel cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
S48D	Multifunction Switch 2 - Instrument Panel	-	In the passenger compartment, left side of the steering column on instrument panel, right of center	Front of Instrument Panel Components	S48D Multifunction Switch 2 - Instrument Panel
S51	Telematics Button Assembly	-	In the passenger compartment, front center, within the overhead console, at front left	Headliner Components	S51 Telematics Button Assembly (UE1)
S70E	Steering Wheel Controls Switch - Radio Presets	-	In the passenger compartment, left front, on steering wheel, left spoke facing driver	-	S70E Steering Wheel Controls Switch - Radio Presets
S70F	Steering Wheel Controls Switch - Radio Volume	-	In the passenger compartment, left front, on steering wheel, right spoke facing driver	-	S70F Steering Wheel Controls Switch - Radio Volume
S70L	Steering Wheel Controls Switch - Left	-	In the passenger compartment, left front, on steering wheel, left spoke facing driver	-	S70L Steering Wheel Controls Switch - Left
S70R	Steering Wheel Controls Switch - Right	-	In the passenger compartment, left front, on steering wheel, right spoke facing driver	-	S70R Steering Wheel Controls Switch - Right
S78	Turn Signal/Multifunction Switch	-	In the passenger compartment, on the steering column	Steering Column Components	S78 Turn Signal/Multifunction Switch
S79LR	Window Switch - Left Rear	-	In the passenger compartment, in the left rear door	Left Rear Door Trim Components	S79LR Window Switch - Left Rear

Code	Name	Option	Location	Locator View	Connector End View
S79P	Window Switch - Passenger	-	In the passenger compartment, in the passenger door	Passenger Door Trim Components	S79P Window Switch - Passenger
S79RR	Window Switch - Right Rear	-	In the passenger compartment, in the right rear door	Right Rear Door Trim Components	S79RR Window Switch - Right Rear
S82	Windshield Wiper/Washer Switch	-	In the passenger compartment, left front, within the steering column, forward of the steering wheel, on right side	Steering Column Components	S82 Windshield Wiper/Washer Switch
S83	Vehicle On/Off Switch	-	In the passenger compartment, in the center of the instrument panel left of HVAC controls	Front of Instrument Panel Components	S83 Vehicle On/Off Switch
S91	Park Brake Control Switch	-	In the passenger compartment, in the center console below shift lever	Center Console Components Top	S91 Park Brake Control Switch
S146	Window/Outside Rearview Mirror Switch - Driver	-	In the driver door trim panel, forward of the arm rest.	Driver Door Trim Components	S79D Window Switch - Driver
S156	Transmission Shift Lever Knob	-	In the passenger compartment, in the center console	-	-
S151	Regenerative Braking On-Demand Switch	-	In passenger compartment, drivers side, mounted on the instrument panel	-	S151 Regenerative Braking On-Demand Switch
T2E	Antenna - Rear End Spoiler	-	In the passenger compartment, mounted behind the trim of the rear liftgate	-	-
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Code	Name	Option	Location	Locator View	Connector End View
T2RR	Antenna - Roof Rear	-	In passenger compartment, rear of vehicle, mounted to the roof	-	• T2RR Antenna - Roof Rear X1 • T2RR Antenna - Roof Rear X2 • T2RR Antenna - Roof Rear X5 • T2RR Antenna - Roof Rear X6
T3	Audio Amplifier	UQA	In the luggage compartment, in the center of the rear well	Bottom of Luggage Compartment Components	• T3 Audio Amplifier X1 (UQA) • T3 Audio Amplifier X2 (UQA) • T3 Audio Amplifier X3 (UQA)
T4S	Wireless Communication Antenna - Bluetooth	UE1	In the passenger compartment, attached to the telematics control module	-	-
T6	Power Inverter Module	-	In the engine compartment, under the power inverter module assembly cable cover	Front of Hybrid/EV Drive Unit	• T6 Power Inverter Module X1 • T6 Power Inverter Module X2 • T6 Power Inverter Module X3
T10E	Keyless Entry Antenna - Rear Compartment	-	In the luggage compartment, left front, behind trim on liftgate opening	Left Rear of Passenger Compartment Components	T10E Keyless Entry Antenna - Rear Compartment
T10G	Keyless Entry Antenna - Rear Fascia	-	At the rear of vehicle, near center, above bumper behind fascia	Rear Fascia Components	T10G Keyless Entry Antenna - Rear Fascia
T10J	Keyless Entry Antenna - Center Console Front	-	Inside the passenger compartment, mounted to the front of shift lever	Rear of Instrument Panel Components	T10J Keyless Entry Antenna - Center Console Front
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Code	Name	Option	Location	Locator View	Connector End View
T10K	Keyless Entry Antenna - Center Console Rear	-	Inside the passenger compartment, mounted to the rear of shift lever	Center Console Components Bottom	T10K Keyless Entry Antenna - Center Console Rear
T10M	Keyless Entry Antenna - Driver Door Handle	-	On outside of driver door, at rear, part of door handle assembly	-	-
T10N	Keyless Entry Antenna - Passenger Door Handle	-	On outside of driver door, at rear, part of passenger handle assembly	-	-
T12	Automatic Transmission Assembly	-	In the engine compartment, mounted to the left side of the drive motor	Front of Hybrid/EV Drive Unit	• T12 Automatic Transmission Assembly X1 • T12 Automatic Transmission Assembly X2 • T12 Automatic Transmission Assembly X3 • T12 Automatic Transmission Assembly X4
T18	Battery Charger	-	In the engine compartment mounted above transmission assembly and below engine control module	Front of Hybrid/EV Drive Unit	• T18 Battery Charger X1 • T18 Battery Charger X2 • T18 Battery Charger X3
T22	Mobile Device Wireless Charger Module	K4C	In the passenger compartment, middle center, mounted to center console, in front of center console compartment	Center Console Components Internal	T22 Mobile Device Wireless Charger Module (K4C)
T23	Radio Antenna Amplifier	-	In the rear compartment, under the center rear of the headliner, just forward of the liftgate.	-	• T23 Radio Antenna Amplifier X1 • T23 Radio Antenna Amplifier X2 • T23 Radio Antenna Amplifier X3

Code	Name	Option	Location	Locator View	Connector End View
T24	Battery Charger - DC	-	In the engine compartment mounted above the power inverter module	<u>Engine Compartment Top</u>	• <u>T24 Battery Charger - DC X1</u> • <u>T24 Battery Charger - DC X2</u> • <u>T24 Battery Charger - DC X3</u> • <u>T24 Battery Charger - DC X4</u> • <u>T24 Battery Charger - DC X5</u> • <u>T24 Battery Charger - DC X6</u> • <u>T24 Battery Charger - DC X7</u> • <u>T24 Battery Charger - DC X8</u> • <u>T24 Battery Charger - DC X9 (-CBT)</u> • T24 Battery Charger - DC X9 (CBT)
X21	Manual Service Disconnect Receptacle	-	Under the vehicle at the top of the Hybrid/EV battery, under the battery cover at the top rear of section 2	-	• <u>X21 Manual Service Disconnect Receptacle X1</u> • <u>X21 Manual Service Disconnect Receptacle X2</u> • <u>X21 Manual Service Disconnect Receptacle X3</u>
X50A	Fuse Block - Underhood	-	In the engine compartment, in the left rear corner of the engine compartment	<u>Left Side Engine Compartment</u>	-
X50D	Fuse Block - Battery	-	In the engine compartment, on the left side of the engine compartment	<u>Left Side Engine Compartment</u>	-
X51A	Fuse Block - Instrument Panel	-	In the passenger compartment, on the driver side of the instrument panel	-	-
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Code	Name	Option	Location	Locator View	Connector End View
X55QA	Fuse Holder 1 - Hybrid/EV Battery Pack	-	Internal component to Hybrid/EV battery pack	-	-
X80	Accessory Power Receptacle	-	In the passenger compartment, mounted under hvac controls, left center in instrument panel	Front of Instrument Panel Components	X80 Accessory Power Receptacle
X83	Auxiliary Audio Input	-	In the passenger compartment, center middle, Instrument panel under HVAC control head	Center Console Components Top	X83 Auxiliary Audio Input X1 X83 Auxiliary Audio Input X2
X84	Data Link Connector	-	In the passenger compartment, on the driver side of the instrument panel	Front of Instrument Panel Components	X84 Data Link Connector
X84B	Auxiliary Data Connector	-	In the passenger compartment, near the right side of the center stack on the lower instrument panel.	Front of Instrument Panel Components	X84B Auxiliary Data Connector X2
X85	Steering Wheel Air Bag Coil	-	In the passenger compartment, behind the steering wheel, on the steering column	Steering Column Components	X85 Steering Wheel Air Bag Coil X1 X85 Steering Wheel Air Bag Coil X2
X92	USB Receptacle	-	in the passenger compartment, mounted in rear of center console	Center Console Components Top	X92 USB Receptacle (USS)
X98	Hybrid/EV Battery Charger Receptacle	-	Hybrid/EV Battery Charger Receptacle	-	X98 Hybrid/EV Battery Charger Receptacle X1 X98 Hybrid/EV Battery Charger Receptacle X2 (CBI)

Code	Name	Option	Location	Locator View	Connector End View
X101	Forward Lamp Harness to Front Fascia	-	In the engine compartment, front center, between front fascia and core support	• Front Fascia Harness Routing • Forward Lamp Harness Routing	• X101 Forward Lamp Harness to Front Fascia Harness (UD5/UFQ/UVH) • X101 Forward Lamp Harness to Front Fascia Harness (- UD5/UFQ/UVH)
X105	Body Harness to Engine Harness (36 Cavities)	-	In the engine compartment, left rear, near battery	• Front of Drive Motor Harness Routing • Right Side Engine Compartment Harness Routing	X105 Body Harness to Engine Harness
X106	Body Harness to Engine Harness (36 Cavities)	-	In the engine compartment, right rear, near top of right strut tower	• Left Front of Engine Compartment Harness Routing • Front of Drive Motor Harness Routing	X106 Body Harness to Engine Harness
X107	Body Harness to Forward Lamp Harness	-	In the engine compartment, right front, mounted on the front frame rail	• Right Side Engine Compartment Harness Routing • Forward Lamp Harness Routing	X107 Body Harness to Forward Lamp Harness
X108	Body Harness to Forward Lamp Harness	-	In the engine compartment, right front, mounted on the front frame rail	• Right Side Engine Compartment Harness Routing • Forward Lamp Harness Routing	X108 Body Harness to Forward Lamp Harness
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Code	Name	Option	Location	Locator View	Connector End View
X110	Forward Lamp Harness to Left Headlight Assembly (4 Cavities)	-	At the front of vehicle, at the bottom of headlamp assembly - left	Forward Lamp Harness Routing	• X110 Forward Lamp Harness to Left Headlamp Harness (TR6) • X110 Forward Lamp Harness to Left Headlamp Harness (-TR6)
X111	Left Turn Signal Harness to Front Fascia Harness	-	At the front of vehicle, mounted on left side of vehicle, between	-	X111 Front Fascia Harness to Left Turn Signal Harness
X117	Charge Receptacle Harness to Body Harness (12 Cavities)	-	At the front of vehicle, at the bottom of headlamp assembly - left	Left Front of Engine Compartment Harness Routing	X117 Charge Receptacle Harness to Body Harness (CBT)
X120	Forward Lamp Harness to Right Headlight Assembly (4 Cavities)	-	At the front of vehicle, at the bottom of headlamp assembly - Right	-	• X120 Forward Lamp Harness to Right Headlamp Harness (TR6) • X120 Forward Lamp Harness to Right Headlamp Harness (-TR6)
X121	Right Turn Signal Harness to Front Fascia Harness	-	At the front of vehicle, mounted behind front bumper	-	X121 Front Fascia Harness to Right Turn Signal Harness
X126	Forward Lamp Harness to Right Front Impact Sensor Extension Harness	-	In the engine compartment, mounted on the lower right corner of the core support	-	-
X200	Instrument Panel Harness to Body Harness	-	In the passenger compartment, at the base of the left A-pillar, behind the kick panel	• Instrument Panel Harness Routing • Left Front of Passenger Compartment Harness Routing	X200 Instrument Panel Harness to Body Harness
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Code	Name	Option	Location	Locator View	Connector End View
X205	Instrument Panel Harness to Body Harness	-	In the passenger compartment, at the base of the right A-pillar, behind the kick panel	• Instrument Panel Harness Routing • Right Front of Passenger Compartment Harness Routing	X205 Instrument Panel Harness to Body Harness
X208	Headliner Harness to Body Harness	-	In the passenger compartment, mounted on the left side of instrument panel	• Left Front of Passenger Compartment Harness Routing • Headliner Harness Routing	X208 Headliner Harness to Body Harness
X209	Instrument Panel Harness to Headliner Harness	-	In the passenger compartment, at base of the right A-pillar, behind the kick panel	• Instrument Panel Harness Routing • Instrument Panel Harness Routing	-
X210	Instrument Panel Harness to Body Harness	-	In the passenger compartment, behind the left side of the instrument panel	• Left Front of Passenger Compartment Harness Routing • Instrument Panel Harness Routing	X210 Instrument Panel Harness to Body Harness
X211	Instrument Panel Harness to Headliner Harness	-	In the passenger compartment, behind the left side of the instrument panel	Instrument Panel Harness Routing	-
X212	Instrument Panel Harness to Floor Console Harness	-	In the passenger compartment, under the center console	• Center Console Harness Routing • Instrument Panel Harness Routing	X212 Instrument Panel Harness to Floor Console Harness
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Code	Name	Option	Location	Locator View	Connector End View
X215	Body Harness to Instrument Panel Harness	-	In the passenger compartment, at the base of the left A-pillar, above the kick panel	<u>Instrument Panel Harness Routing</u>	<u>X215 Instrument Panel Harness to Passenger Instrument Panel Air Bag Harness</u>
X236	Instrument Panel Harness to Air Duct Jumper	-	In the passenger compartment, behind the right side of the instrument panel	-	<u>X236 Instrument Panel Harness to Air Duct Jumper Harness</u>
X300	Body Harness to Floor Console Harness	-	In the passenger compartment, under the center console	• <u>Center Console Harness Routing</u> • <u>Left Front of Passenger Compartment Harness Routing</u>	<u>X300 Floor Console Harness to Body Harness</u>
X310	Body Harness to Instrument Panel Harness	-	In the passenger compartment, under the center console	<u>Left Front of Passenger Compartment Harness Routing</u>	<u>X310 Driver Seat Harness to Body Harness</u>
X320	Passenger Seat Harness to Body Harness	-	In the passenger compartment, under the passenger seat	• <u>Passenger Seat Harness Routing</u> • <u>Right Front of Passenger Compartment Harness Routing</u>	<u>X320 Passenger Seat Harness to Body Harness</u>
X355	Low Voltage Battery Harness to Battery Module 4 Jumper Harness	-	Internal to Hybrid/EV Battery Pack	-	-
X356	Low Voltage Battery Harness to Battery Module 7 Jumper Harness	-	Internal to Hybrid/EV Battery Pack	-	-
X357	Body Harness to Battery Harness	-	Underbody in rear of vehicle, connected to front of Hybrid/EV battery pack	<u>Left Front of Engine Compartment Harness Routing</u>	<u>X357 Body Harness to Battery Cable Harness</u>
X358	Body Harness to Battery Harness	-	Underbody in rear of vehicle, connected to left side of Hybrid/EV battery pack	<u>Left Front of Engine Compartment Harness Routing</u>	<u>X358 Body Harness to Battery Harness</u> cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
X360	Right Rear Seat Harness to Body Harness	-	In the passenger compartment, mounted under the rear seat, on right side	Right Rear of Passenger Compartment Harness Routing	X360 Right Rear Seat Harness to Body Harness (KA6)
X410	Left Auxillary Tail Lamp Harness to Left Lamp Jumper Harness	-	In the luggage compartment, near the left tail lamp, behind the trim panel	Rear Fascia Harness Routing	• X410 Rear Fascia Harness to Left Lamp Jumper Harness (TW5) • X410 Rear Fascia Harness to Left Lamp Jumper Harness (VD1)
X411	Rear Fascia Harness to Left Stop Turn Lamp Harness	-	In the luggage compartment, near left stop turn lamp	-	-
X415	Body Harness to Rear Fascia Harness	-	In the rear of vehicle, on left side, under the rear fascia	Rear Fascia Harness Routing	X415 Body Harness to Rear Fascia Harness
X420	Right Auxillary Tail Lamp Harness to Right Lamp Jumper Harness	-	In the luggage compartment, near the right tail lamp, behind the trim panel	Rear Fascia Harness Routing	• X420 Rear Fascia Harness to Right Lamp Jumper Harness (TW5) • X420 Rear Fascia Harness to Right Lamp Jumper Harness (VD1)
X421	Rear Fascia Harness to Right Lamp Jumper Harness	-	In the rear of vehicle	-	-
X500	Driver Door Harness to Body Harness	-	In the passenger compartment, at the left front A-pillar	• Driver Door Harness Routing • Left Front of Passenger Compartment Harness Routing	X500 Driver Door Harness to Body Harness
X510	Driver Door Harness to Driver Outside Rearview Mirror Harness	-	In the driver door,	Driver Door Harness Routing	X510 Driver Outside Rearview Mirror Harness to Driver Door Harness

Code	Name	Option	Location	Locator View	Connector End View
X600	Passenger Door Harness to Body Harness	-	In the passenger compartment, at the right front A-pillar	Passenger Door Harness Routing Right Front of Passenger Compartment Harness Routing	X600 Passenger Door Harness to Body Harness
X610	Passenger Door Harness to Passenger Outside Rearview Mirror Harness	-	In the passenger door, behind passenger door trim	Passenger Door Harness Routing	X610 Passenger Outside Rearview Mirror Harness to Passenger Door Harness
X700	Left Rear Door Harness to Body Harness	-	In the passenger compartment, in the left B-pillar	Left Rear Door Harness Routing Left Front of Passenger Compartment Harness Routing	X700 Left Rear Door Harness to Body Harness
X800	Right Rear Door Harness to Body Harness	-	In the passenger compartment, in the right B-pillar	Right Rear Door Harness Routing Right Front of Passenger Compartment Harness Routing	X800 Right Rear Door Harness to Body Harness
X900	Liftgate Extension Harness to Body Harness	-	In the cargo area, on the left side, behind the trim panel	Left Rear of Passenger Compartment Harness Routing	X900 Liftgate Extension Harness to Body Harness
X901	Liftgate Extension Harness to Liftgate Harness	-	In the cargo area, on the left side, behind the trim panel	Liftgate Harness Routing Liftgate Extension Harness Routing	X901 Liftgate Extension Harness to Liftgate Harness
X902	Liftgate Harness to License Plate Lamp Harness	-	In the rear of the vehicle, behind the liftgate trim panel, below the middle of the rear window	Liftgate Harness Routing	X902 License Plate Lamp Harness to Liftgate Harness
X903	Center High Mount Stop Light Harness to Liftgate Harness	-	In the liftgate, behind the center high mount stop lamp	Liftgate Extension Harness Routing	X903 Center High Mount Stop Light Harness to Liftgate Extension Harness

Code	Name	Option	Location	Locator View	Connector End View
X904	Headliner Harness to Liftgate Harness	-	In the passenger compartment, rear of vehicle, behind headliner	-	-
X905	Liftgate Harness to Liftgate Extention Harness	-	In the rear of the vehicle, behind the liftgate trim panel, below the middle of the rear window above the license plate lights	Liftgate Harness Routing	-
X906	Liftgate Extention Harness to Headliner Harness	-	In the passenger compartment, rear of vehicle, behind headliner	-	-
X907	Liftgate Switch to License Plate Lamp Harness	-	In the liftgate, center of liftgate, behind the liftgate trim panel	-	X907 Liftgate Switch Harness to License Plate Lamp Harness
X910	Liftgate Harness to Left Tail Stop Lamp Harness	-	In the liftgate, left side, behind liftgate trim panel	Liftgate Harness Routing	X910 Liftgate Harness to Left Tail Stop Lamp Harness (TW5) X910 Liftgate Harness to Left Tail Stop Lamp Harness (VD1)
X920	Liftgate Harness to Right Tail Stop Lamp Harness	-	In the liftgate, left side, behind liftgate trim panel	Liftgate Harness Routing	X920 Liftgate Harness to Right Tail Stop Lamp Harness (TW5) X920 Liftgate Harness to Right Tail Stop Lamp Harness (VD1)
G100	Forward Lamp Harness	-	In the engine compartment, front left of center, on frame rail forward of battery	G100	-
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Code	Name	Option	Location	Locator View	Connector End View
G101	Forward Lamp Harness	-	In the engine compartment, front left of center, on core support under Left headlamp assembly.	G101	-
G102	Engine Harness	-	In the engine compartment, front right of center, on core support under right headlamp assembly.	G102	-
G103	Body Harness	-	In the engine compartment, rear center, on frame.	G103 and G105	-
G104	Body Harness	-	In the engine compartment, front right of center, on frame.	G104	-
G105	Body Harness	-	In the engine compartment, rear of front frame right of center.	G103 and G105	-
G107	Battery Negative Harness	-	In the engine compartment, attached to the center of the left strut tower	G107	-
G108	Battery Charger Receptacle Harness	-	In the charging port receptacle	-	-
G111	Engine Harness	-	In the engine compartment, lift front, mouthed support member	G111	-
G112	Engine Harness	-	In the engine compartment, attached to left side of coolant heater control module	G112	-
G116	Engine Harness	-	In the engine compartment, left front, mounted to support member	G116	-
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Code	Name	Option	Location	Locator View	Connector End View
G150	Ground Jumper Harness	-	In the engine compartment, left front, attached to left frame rail, before left front strut tower	G150, G151, G153 and G154	-
G151	Ground Jumper Harness	-	In the engine compartment, attached to right side front of rear frame	G150, G151, G153 and G154	-
G152	Ground Jumper Harness	-	In the engine compartment, attached to right side or drive motor	-	-
G153	Ground Jumper Harness	-	In the engine compartment, mounted to front center of frame	G150, G151, G153 and G154	-
G154	Ground Jumper Harness	-	In the engine compartment, mounted to left front corner of power inverter module	G150, G151, G153 and G154	-
G155	Ground Jumper Harness	-	In the engine compartment, attached to left upper frame rail, above electric drive motor	G155 and G156	-
G156	Ground Jumper Harness	-	In the engine compartment, attached to base of electric drive motor	G155 and G156	-
G157	Ground Jumper Harness	-	In the engine compartment, attached to frame rail, above electric drive motor	G157 and G158	-
G158	Ground Jumper Harness	-	In the engine compartment, attached to electric drive motor, on right side at base of electric drive motor	G157 and G158	-
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Code	Name	Option	Location	Locator View	Connector End View
G200	Instrument Panel Harness	-	In the passenger compartment, attached to the A-pillar, blow instrument panel, behind trim panel	G200	-
G201	Instrument Panel Harness	-	In the passenger compartment, left front, at base of left A-pillar	G201 and G304	-
G202	Instrument Panel Harness	-	In the passenger compartment, right front, at base of left A-pillar	G202 and G305	-
G203	Instrument Panel Harness	-	In the passenger compartment, mounted behind the center of the instrument panel	-	-
G260	Ground Jumper Harness	-	In the engine compartment	-	-
G261	Ground Jumper Harness	-	In the engine compartment	-	-
G262	Ground Jumper Harness	-	In the engine compartment	-	-
G263	Ground Jumper Harness	-	In the engine compartment	-	-
G304	Body Harness	-	In the passenger compartment, attache to the base of the left A-pillar, behind trim panel	G201 and G304	-
G305	Body Harness	-	In the passenger compartment, right of center rear of middle, on floor below left front seat.	G202 and G305	-
G310	Instrument Panel Harness	-	At the left rear of the luggage compartment	G310	-
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Code	Name	Option	Location	Locator View	Connector End View
G355	Ground Jumper Harness	-	Outside under body left of center mounted on body frame rail next to G357	G355, G356, G357 and G358	-
G356	Ground Jumper Harness	-	Outside under body left of center mounted to battery pack next to G358	G355, G356, G357 and G358	-
G357	Ground Jumper Harness	-	Outside under body left of center mounted on Body frame rail next to G355	G355, G356, G357 and G358	-
G358	Ground Jumper Harness	-	Outside under body left of center mounted on body frame rail next to G356	G355, G356, G357 and G358	-
G401	Body Harness	-	In the luggage compartment, attached to the upper portion of the left rear wheel well	G401 and G404	-
G404	Body Harness	-	In the luggage compartment, attached to the upper portion of the left rear wheel well	G401 and G404	-
G405	Body Harness	-	In the luggage compartment, attached to the upper portion of the right rear wheel well	G405	-
G900	Liftgate Extention Harness	-	In the liftgate, in center of liftgate, just above the rear glass	G900	-
J100	Engine Harness	-	In the engine harness approximately 4 cm (1.57 in) before the brake out to G111	Front of Drive Motor Harness Routing	-

Code	Name	Option	Location	Locator View	Connector End View
J101	Engine Harness	-	In the body harness approximately 5 cm (1.97 in) before the breakout leading to G116 and G10 cooling fan motor	Front of Drive Motor Harness Routing	-
J102	Forward Lamp Harness	-	In the engine harness approximately 13 cm (5.12 in) from breakout to G100	Forward Lamp Harness Routing	-
J103	Forward Lamp Harness	-	In the engine harness approximately 7.5 cm (2.95 in) from breakout to G101	Forward Lamp Harness Routing	-
J105	High Voltage Harness	-	In the engine harness approximately 11 cm (4.33 in) from the Power Inverter Module branch breakout	-	-
J107	High Voltage Harness	-	In the engine harness main bundle approximately 4.5 cm (1.77 in) from the G109 branch breakout	-	-
J108	Engine Harness	-	In the engine harness approximately 2cm (0.80 in) from the G112 breakout	Front of Drive Motor Harness Routing	-
J109	Forward Lamp Harness	-	In the forward lamp harness approximately 14.5 cm (5.70 in) from the X110 breakout	Forward Lamp Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J110	Forward Lamp Harness	-	In the forward lamp harness approximately 20 cm (7.87 in) from the X120 breakout	Forward Lamp Harness Routing	-
J111	Forward Lamp Harness	-	In the forward lamp harness approximately 5 cm (1.97 in) from the left front impact sensor	Forward Lamp Harness Routing	-
J112	Forward Lamp Harness	-	In the forward lamp harness approximately 4 cm (1.57 in) from the breakout to left front impact sensor	Forward Lamp Harness Routing	-
J113	Front Fascia Harness	-	In the front fascia harness approximately 8 cm (3.15 in) from splice J124	Front Fascia Harness Routing	-
J122	Engine Harness	-	In the engine harness approximately 5 cm (1.96 in) from breakout to G112	Front of Drive Motor Harness Routing	-
J123	Engine Harness	-	In the engine harness approximately 2 cm (0.80 in) from breakout to hybrid battery pack coolant pump	Front of Drive Motor Harness Routing	-
J124	Front Fascia Harness	-	In the front fascia harness approximately 8 cm (3.15 in) from breakout to X101	Front Fascia Harness Routing	-
J126	Left Headlamp Harness	-	In the left headlamp harness, internal to the left headlamp assembly	-	-
J127	Right Headlamp Harness	-	In the right headlamp harness, internal to the right headlamp assembly	-	- cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
J128	Body Harness	-	In the body harness approximately 8.5 cm (3.35 in) from pass through leading to the instrument panel	Left Front of Engine Compartment Harness Routing	-
J129	Body Harness	-	In the body harness approximately 5 cm (2 in) from branch to X107	-	-
J200	Instrument Panel Harness	-	In the body harness approximately 4 cm (2.17 in) from breakout to X51A	Instrument Panel Harness Routing	-
J201	Instrument Panel Harness	-	In the body harness approximately 2.5 cm (1 in) from splice J203	Instrument Panel Harness Routing	-
J202	Instrument Panel Harness	-	In the body harness approximately 17.5 cm (6.89 in) from X210	Instrument Panel Harness Routing	-
J203	Instrument Panel Harness	-	In the body harness approximately 2.5 cm (1 in) from splice J201	Instrument Panel Harness Routing	-
J204	Instrument Panel Harness	-	In the instrument Panel harness approximately 2.5 cm (0.98 in) from splice pack JX200 branch	Instrument Panel Harness Routing	-
J205	Instrument Panel Harness	-	In the instrument Panel harness approximately 2.5 cm (0.98 in) from splice J252	Instrument Panel Harness Routing	-
J206	HVAC Harness	-	In the HVAC harness	-	-
J207	HVAC Harness	-	In the HVAC harness	-	-
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Code	Name	Option	Location	Locator View	Connector End View
J217	Instrument Panel Harness	-	In the instrument Panel harness approximately 12 cm (4.72 in) from splice J225	Instrument Panel Harness Routing	-
J219	Instrument Panel Harness	-	In the instrument Panel harness approximately 14 cm (5.5 in) from splice J217	Instrument Panel Harness Routing	-
J221	Instrument Panel Harness	-	In the instrument Panel harness approximately 2.5 cm (0.98 in) from breakout to G203	Instrument Panel Harness Routing	-
J222	Steering Wheel Harness	-	In the steering wheel harness	-	-
J223	Instrument Panel Harness	-	In the instrument Panel harness on branch leading, approximately 8 cm (3.15 in) from X200	-	-
J224	Instrument Panel Harness	-	In the instrument Panel harness approximately 12 cm (4.72 in) from branch leading to radio	Instrument Panel Harness Routing	-
J225	Instrument Panel Harness	-	In the instrument Panel harness approximately 3 cm (1.18 in) in center of instrument panel	Instrument Panel Harness Routing	-
J226	Instrument Panel Harness	-	In the instrument Panel harness near center inside main bundle approximately 7 cm (2.8 in) from splice J218	Instrument Panel Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J227	Instrument Panel Harness	-	In the instrument Panel harness approximately 4 cm (1.5 in) from splice J228	Instrument Panel Harness Routing	-
J228	Instrument Panel Harness	-	In the instrument Panel harness approximately 4 cm (1.5 in) from splice J227	Instrument Panel Harness Routing	-
J229	Instrument Panel Harness	-	In the instrument Panel harness approximately 44.5 cm (17.5 in) on branch leading to ambient light/sunload sensor	Instrument Panel Harness Routing	-
J230	Steering Wheel Harness	-	In the steering wheel harness	-	-
J231	Steering Wheel Harness	-	In the steering wheel harness	-	-
J232	Steering Wheel Harness	-	In the steering wheel harness	-	-
J233	Steering Wheel Harness	-	In the steering wheel harness	-	-
J236	Body Harness	-	In the body harness approximately 5 cm (2 in) from branch leading to body control module	-	-
J237	Body Harness	-	In the body harness approximately 9 cm (3.5 in) after breakout for splice pack JX210	-	-
J238	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J239 in the main harness bundle	Left Front of Passenger Compartment Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J239	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J238 in the main harness bundle	Left Front of Passenger Compartment Harness Routing	-
J240	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J239 in the main harness bundle	-	-
J241	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J239 in the main harness bundle	Left Front of Passenger Compartment Harness Routing	-
J242	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J243 in the main harness bundle	Left Front of Passenger Compartment Harness Routing	-
J243	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J242 in the main harness bundle	Left Front of Passenger Compartment Harness Routing	-
J244	Body Harness	-	In the body harness approximately 22.5 cm (8.8 in) from pass through, on the branch leading to X500	Left Front of Passenger Compartment Harness Routing	-
J245	Body Harness	-	In the body harness approximately 8 cm (3.1 in) from X500, before the pass through into the vehicle	-	-
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Code	Name	Option	Location	Locator View	Connector End View
J246	Body Harness	-	In the body harness approximately 10 cm (3.9 in) from the breakout to G304	-	-
J247	Body Harness	-	In the body harness approximately 8 cm (3.1 in) on branch leading to X600, between pass through and X600	-	-
J248	Instrument Panel Harness	-	In the instrument panel harness approximately 3 cm (1 in) from splice J226, in main harness bundle	Instrument Panel Harness Routing	-
J249	Instrument Panel Harness	-	In the instrument panel harness approximately 5 cm (2 in) from splice J250, in main harness bundle	Instrument Panel Harness Routing	-
J250	Instrument Panel Harness	-	In the instrument panel harness approximately 5 cm (2 in) from splice J249, in main harness bundle	Instrument Panel Harness Routing	-
J251	Instrument Panel Harness	-	In the instrument panel harness approximately 2.5 cm (1 in) from branch leading to splice pack JX200	Instrument Panel Harness Routing	-
J252	Instrument Panel Harness	-	In the instrument panel harness approximately 2.5 (1 in) from splice J251	Instrument Panel Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J301	Body Harness	-	In the body harness approximately 11 cm (4.3 in) from splice J349, in main harness bundle	Left Front of Passenger Compartment Harness Routing	-
J302	Body Harness	-	In the body harness approximately 13.5 cm (5.3 in) from breakout to X310	-	-
J303	Body Harness	-	In the body harness approximately 15 cm (5.90 in) forward of plastic harness channel	-	-
J304	Body Harness	-	In the body harness approximately 3 cm (1 in) from splice J313, in main harness bundle	Right Front of Passenger Compartment Harness Routing	-
J305	Body Harness	-	In the body harness approximately 5 cm (1.9 in) from branch leading to hybrid/ev powertrain control module	Right Front of Passenger Compartment Harness Routing	-
J306	Body Harness	-	In the body harness approximately 5 cm (1.9 in) from branch leading to right side impact sensor	Right Front of Passenger Compartment Harness Routing	-
J307	Body Harness	-	In the body harness approximately 5 cm (1.9 in) from branch leading to G202 and X205	Right Front of Passenger Compartment Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J308	Body Harness	-	In the body harness approximately 3 cm (1.1 in) from the breakout to G404	<u>Left Rear of Passenger Compartment Harness Routing</u>	-
J309	Body Harness	-	In the body harness approximately 5 cm (2 in) from breakout to G404	<u>Left Rear of Passenger Compartment Harness Routing</u>	-
J310	Body Harness	-	In the body harness approximately 5 cm (2 in) from breakout to G404	-	-
J314	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J315, in main harness bundle	-	-
J315	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J314, in main harness bundle	-	-
J316	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J317, in main harness bundle	-	-
J317	Body Harness	-	In the body harness approximately 5 cm (2 in) from splice J316, in main harness bundle	<u>Right Front of Passenger Compartment Harness Routing</u>	-
J320	Body Harness	-	In the body harness approximately 13.5 cm (5.3 in) from splice J321, in main harness bundle	<u>Left Rear of Passenger Compartment Harness Routing</u>	-
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Code	Name	Option	Location	Locator View	Connector End View
J321	Body Harness	-	In the body harness approximately 13.5 cm (5.3 in) from splice J321, in main harness bundle	<u>Left Rear of Passenger Compartment Harness Routing</u>	-
J322	Body Harness	-	In the body harness approximately 6 cm (2.3 in) from splice J305, in main harness bundle	<u>Right Front of Passenger Compartment Harness Routing</u>	-
J323	Headliner Harness	-	In the headliner harness approximately 5 cm (1.9 in) from breakout for rear dome/reading lamps, in main harness bundle	<u>Headliner Harness Routing</u>	-
J324	Headliner Harness	-	In the headliner harness approximately 5 cm (1.9 in) from breakout for rear dome/reading lamps, in main harness bundle	<u>Headliner Harness Routing</u>	-
J325	Headliner Harness	-	In the headliner harness approximately 15 cm (5.9 in) from breakout for rear dome/reading lamps, in main harness bundle	<u>Headliner Harness Routing</u>	-
J326	Body Harness	-	In the body harness approximately 8.5 cm (3.5 in) from breakout to X300	<u>Left Front of Passenger Compartment Harness Routing</u>	-
J337	Drivers Seat Harness	KA1	In the driver seat harness approximately 2 cm (0.7 in) from breakout to X310	-	- cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
J338	Drivers Seat Harness	KA1	In the driver seat harness approximately 17 cm (6.6 in) from splice J337, in main harness bundle	-	-
J339	Drivers Seat Harness	KA1	In the driver seat harness approximately 3 cm (1.1 in) from breakout to X310	-	-
J340	Passenger Seat Harness	KA1	In the passenger seat harness approximately 4 cm (1.5 in) from breakout to passenger seat cushion heating element	-	-
J341	Passenger Seat Harness	KA1	In the passenger seat harness approximately 2.5 cm (1 in) from breakout to passenger presence module	Passenger Seat Harness Routing	-
J342	Passenger Seat Harness	KA1	In the passenger seat harness approximately 2.5 cm (1 in) from splice J341, in main harness bundle	Passenger Seat Harness Routing	-
J343	Rear Seat Harness	KA6	In the rear seat harness	-	-
J344	Rear Seat Harness	KA6	In the rear seat harness	-	-
J346	Body Harness	-	In the body harness approximately 6 cm (2.3 in) from splice J356	Left Front of Passenger Compartment Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J347	Passenger Seat Harness	-	In the passenger seat harness on branch going to passenger seat belt switch, approximately 3 cm (1.1 in) from branch breakout	<u>Passenger Seat Harness Routing</u>	-
J349	Body Harness	-	In the body harness approximately 4 cm (1.5 in) from splice J368	<u>Left Front of Passenger Compartment Harness Routing</u>	-
J351	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	<u>Right Front of Passenger Compartment Harness Routing</u>	-
J352	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	<u>Right Front of Passenger Compartment Harness Routing</u>	-
J353	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	<u>Left Front of Passenger Compartment Harness Routing</u>	-
J354	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	<u>Left Front of Passenger Compartment Harness Routing</u>	-
J355	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J356	Body Harness	-	In the body harness approximately 6 cm (2.3 in) from splice J346	-	-
J359	Body Hanress	-	in the body harness approximately 5 cm (1.9 in) from the breakout to X300	<u>Right Front of Passenger Compartment Harness Routing</u>	-
J364	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	<u>Left Front of Passenger Compartment Harness Routing</u> <u>Instrument Panel Harness Routing</u>	-
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Code	Name	Option	Location	Locator View	Connector End View
J367	Body Harness	-	In the body harness approximately 6 cm (2.3 in) from splice J359	Ã,Ã	Ã,Ã
J368	Body Harness	-	In the body harness approximately 4 cm (1.5 in) from splice J349	Left Front of Passenger Compartment Harness Routing	-
J369	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	Right Front of Passenger Compartment Harness Routing	-
J370	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J371	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J372	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J373	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J374	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J375	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J376	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J377	Hybrid/EV Battery Pack Low Voltage Harness	-	Internal to Hybrid/EV Battery Pack	-	-
J400	Body Harness	-	In the body harness approximately 5.5 cm (2.16 in) from X405 branch breakout	-	-
J401	Ã,Ã	-	Ã,Ã	-	-
J402	Rear Fascia Harness	-	In the rear fascia harness approximately 5 cm (1.9 in) from breakout to rear keyless entry antenna	Rear Fascia Harness Routing	-
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Code	Name	Option	Location	Locator View	Connector End View
J403	Rear Fascia Harness	-	In the rear fascia harness approximately 5 cm (1.9 in) from splice J402, in main harness bundle	Rear Fascia Harness Routing	-
J406	Rear Fascia Harness	-	In the rear fascia harness approximately 5 cm (1.9 in) from splice J403, in main harness bundle	Rear Fascia Harness Routing	-
J407	Rear Fascia Harness	-	In the rear fascia harness approximately 4.5 (1.7 in) from breakout for X415	• Left Rear of Passenger Compartment Harness Routing • Rear Fascia Harness Routing	-
J410	Left Tail Lamp Auxiliary Assembly	-	Internal to left auxiliary tail lamp assembly	-	-
J420	Right Tail Lamp Auxiliary Assembly	-	Internal to right auxiliary tail lamp assembly	-	-
J500	Driver Door Harness	-	In the driver door harness 5 cm (2 in) from splice J501, in main harness bundle	Driver Door Harness Routing	-
J501	Driver Door Harness	-	In the driver door harness 5 cm (2 in) from splice J500, in main harness bundle	Driver Door Harness Routing	-
J502	Driver Door Harness	-	In the driver door harness approximately 5 cm (2 in) from X510, on branch leading to X510	Driver Door Harness Routing	-
J503	Driver Door Harness	-	In the driver door harness approximately 3 cm (1 in) from X500	-	- cardiagn.com

Code	Name	Option	Location	Locator View	Connector End View
J504	Driver Door Harness	-	In the driver door harness approximately 7.5 cm (3 in) from breakout to X510	Driver Door Harness Routing	-
J600	Passenger Door Harness	-	In the driver door harness approximately 5 cm (2 in) from X610	Passenger Door Harness Routing	-
J700	Left Rear Door Harness	-	In the left rear door harness approximately 18.5 cm (7.2 in) from X700, in main harness bundle	Left Rear Door Harness Routing	-
J900	License Plate Lamp Harness	-	In the license plate lamp harness approximately 8 cm (3.1 in) from breakout to rearview camera	-	-
J901	Liftgate Harness	-	In the license plate lamp harness approximately 18.5 (7.2 in) from breakout to right license plate lamp	-	-
J902	Liftgate Extension Harness	-	In the liftgate extension harness approximately 14 cm (5.51 in) from the body to liftgate pass through	-	-
J903	Liftgate Harness	-	In the liftgate harness approximately 12 cm (4.1 in) from breakout X905	Liftgate Harness Routing	-
JX200	Instrument Panel Harness	-	In the passenger compartment, right front of passenger compartment, behind A-pillar kick panel	Instrument Panel Harness Routing	JX200 Splice Pack
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Code	Name	Option	Location	Locator View	Connector End View
JX210	Body Harness	-	In the passenger compartment, left front, near inline connector X208, on left side of instrument panel	<u>Left Front of Passenger Compartment Harness Routing</u>	<u>JX210 Splice Pack</u>

2017 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Passenger Compartment/Roof Component Views - Bolt EV

PASSENGER COMPARTMENT/ROOF COMPONENT VIEWS

LEFT FRONT OF PASSENGER COMPARTMENT COMPONENTS

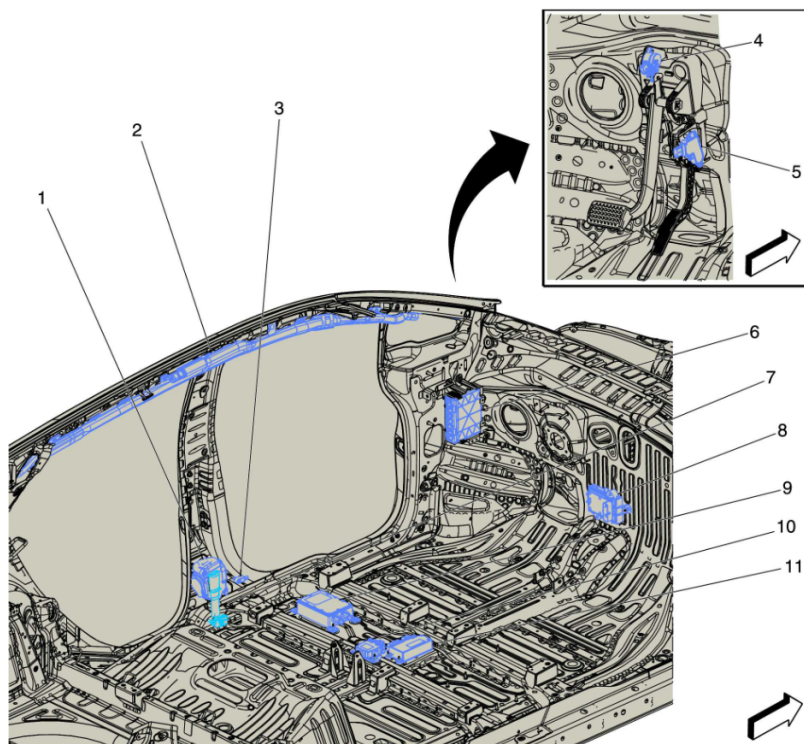


Fig. 1: Left Front of Passenger Compartment Components

Courtesy of GENERAL MOTORS COMPANY

Items

- 1: F112D Seat Belt Retractor Pretensioner - Driver **F112D Seat Belt Retractor Pretensioner - Driver (AY0)**
- 2: F105L Roof Rail Air Bag - Left **F105L Roof Rail Air Bag - Left (AYF/AY0)**
- 3: B63L Side Impact Sensor - Left (AY0) **B63L Side Impact Sensor - Left (AY0)**
- 4: B22 Brake Pedal Position Sensor **B22 Brake Pedal Position Sensor**
- 5: B107 Accelerator Pedal Position Sensor **B107 Accelerator Pedal Position Sensor**
- 6: K9 Body Control Module **K9 Body Control Module X1 K9 Body Control Module X2 K9 Body Control Module X3 K9 Body Control Module X4 K9 Body Control Module X5 K9 Body Control Module X6 K9 Body Control Module X7**
- 7: F113D Seat Belt Anchor Pretensioner - Driver **F113D Seat Belt Anchor Pretensioner - Driver (AY0)**
- 8: K38 Chassis Control Module **K38 Chassis Control Module**

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Items
9: K190 Power Line CommunicationModule K190 Power Line Communication Module X1 (CBT) K190 Power Line Communication Module X2 (CBT)
10: K132 Pedestrian Alert Sound Control Module K132 Pedestrian Alert Sound Control Module
11: K36 Inflatable Restraint Sensing and Diagnostic Module K36 Inflatable Restraint Sensing and Diagnostic Module X1 K36 Inflatable Restraint Sensing and Diagnostic Module X2 (AY0+MAW) K36 Inflatable Restraint Sensing and Diagnostic Module X2 (AY0/AYF)

RIGHT FRONT OF PASSENGER COMPARTMENT COMPONENTS

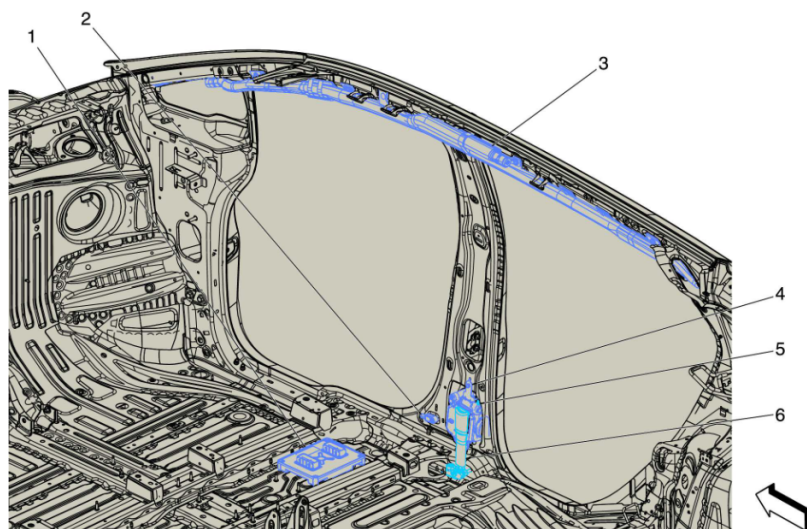


Fig. 2: Right Front of Passenger Compartment Components

Courtesy of GENERAL MOTORS COMPANY

Items
1: K114B Hybrid/EV Powertrain Control Module 2 K114B Hybrid/EV Powertrain Control Module 2 X1 K114B Hybrid/EV Powertrain Control Module 2 X2
2: B63R Side Impact Sensor - Right (AY0) B63R Side Impact Sensor - Right (AY0)
3: F105R Roof Rail Air Bag - Right F105R Roof Rail Air Bag - Right (AYF/AY0)
4: F112P Seat Belt Retractor Pretensioner - Passenger F112P Seat Belt Retractor Pretensioner - Passenger (AY0)
5: B61P Seat Belt Tension Sensor - Passenger B61P Seat Belt Tension Sensor - Passenger (AL0)
6: F113P Seat Belt Anchor Pretensioner - Passenger F113P Seat Belt Anchor Pretensioner - Passenger (AY0)

LEFT REAR OF PASSENGER COMPARTMENT COMPONENTS

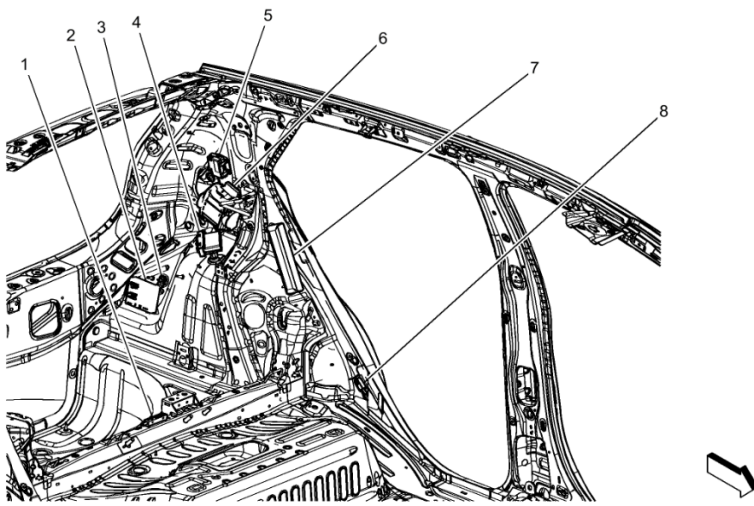


Fig. 3: Left Rear of Passenger Compartment Components
 Courtesy of GENERAL MOTORS COMPANY

Items
1: T10E Keyless Entry Antenna - Rear Compartment <u>T10E Keyless Entry Antenna - Rear Compartment</u>
2: K101 Trailer Interface Control Module (MAH/MBC/MAW/MCX) <u>K101 Trailer Interface Control Module X1 K101 Trailer Interface Control Module X2</u>
3: K68 Trailer Lighting Control Moduel (MBM) <u>K68 Trailer Lighting Control Module X1 (MBM) K68 Trailer Lighting Control Module X2 (MBM)</u>
4: K182 Parking Assist Control Module <u>K182 Parking Assist Control Module X1 K182 Parking Assist Control Module X2 K182 Parking Assist Control Module X3</u>
5: K77 Remote Control Door Lock Receiver <u>K77 Remote Control Door Lock Receiver</u>
6: F112LR Seat Belt Retractor Pretensioner - Left Rear <u>F112LR Seat Belt Retractor Pretensioner - Left Rear (SBK)</u>
7: F106LR Seat Side Air Bag - Left Rear <u>F106LR Seat Side Air Bag - Left Rear (AYF)</u>
8: B63LR Side Impact Sensor - Left Rear (AYF) <u>B63LR Side Impact Sensor - Left Rear (AYF)</u>

RIGHT REAR OF PASSENGER COMPARTMENT COMPONENTS

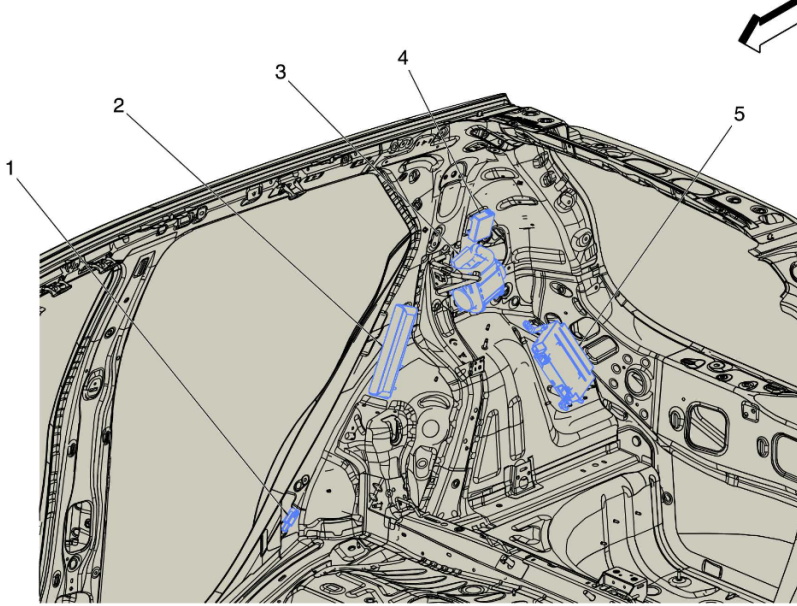


Fig. 4: Right Rear of Passenger Compartment Components

Courtesy of GENERAL MOTORS COMPANY

Items
1: B63RR Side Impact Sensor - Right Rear (AYF) <u>B63RR Side Impact Sensor - Right Rear (AYF)</u>
2: F106RR Seat Side Air Bag - Right Rear <u>F106RR Seat Side Air Bag - Right Rear (AYF)</u>
3: F112RR Seat Belt Retractor Pretensioner - Right Rear <u>F112RR Seat Belt Retractor Pretensioner - Right Rear (SBK)</u>
4: K183 UHF Short Range Low Energy Remote Control Access Transceiver <u>K183 Short Range Remote Control Transceiver</u>
5: K157 Video Processing Control Module <u>K157 Video Processing Control Module X1 (UVH)</u> <u>K157 Video Processing Control Module X2 (UVH)</u>

PASSENGER SEAT COMPONENTS

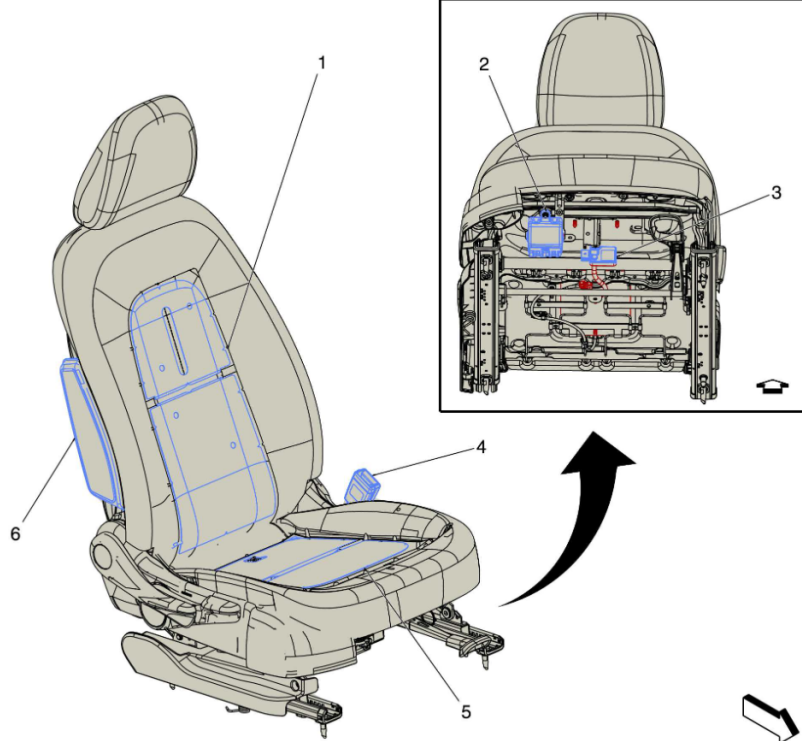


Fig. 5: Passenger Seat Components

Courtesy of GENERAL MOTORS COMPANY

Items
1: E14C Seat Heating Element - Passenger Back (KA1) E14C Seat Heating Element - Passenger Back (KA1)
2: K29F Seat Heating Control Module - Front (KA1) K29F Seat Heating Control Module - Front X1 (KA1) K29F Seat Heating Control Module - Front X2 (KA1)
3: K85 Passenger Presence Module K85 Passenger Presence Module
4: B88P Seat Belt Switch - Passenger B88P Seat Belt Switch - Passenger (AL0+AY0/AYF)
5: E14D Seat Heating Element - Passenger Cushion (KA1) E14D Seat Heating Element - Passenger Cushion
6: F106RF Seat Side Air Bag - Right Front F106P Seat Side Air Bag - Passenger (AY0/AYF)

HEADLINER COMPONENTS

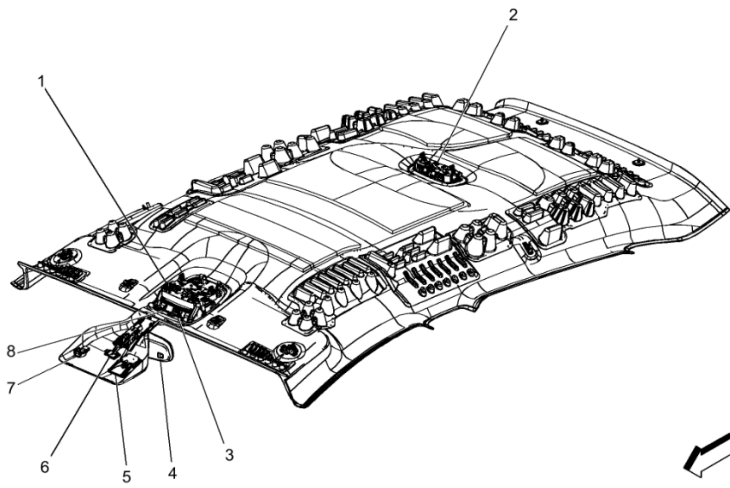


Fig. 6: Headliner Components

Courtesy of GENERAL MOTORS COMPANY

Items
1: E37D Dome/Reading Lamps - Overhead Console E37D Dome/Reading Lamps - Overhead Console
2: E37R Dome/Reading Lamps - Rear E37R Dome/Reading Lamps - Rear
3: S51 Telematics Button Assembly S51 Telematics Button Assembly (UE1)
4: A10 Inside Rearview Mirror A10 Inside Rearview Mirror X1 A10 Inside Rearview Mirror X2 (DRZ)
5: K109 Frontview Camera Module (UEU) B174W Frontview Camera - Windshield (UEU/UHX/UHY/UVX)
6: B160 Windshield Temperature and Inside Moisture Sensor B160 Windshield Temperature and Inside Moisture Sensor
7: B200 Rain Sensor Module (CE1) B200 Rain Sensor Module (CE1)
8: P14 Passenger Air Bag Disabled Indicator P14 Passenger Air Bag Disabled Indicator

POWERTRAIN COMPONENT VIEWS

FRONT OF HYBRID/EV DRIVE UNIT

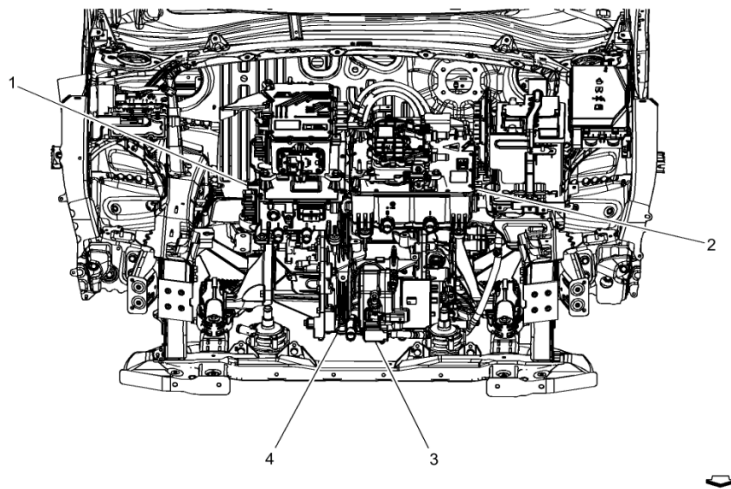


Fig. 1: Front of Hybrid/EV Drive Unit

Courtesy of GENERAL MOTORS COMPANY

Items	
1. T6 Power Inverter Module	T6 Power Inverter Module X1 T6 Power Inverter Module X2 T6 Power Inverter Module X3
2. T18 Battery Charger	T18 Battery Charger X1 T18 Battery Charger X2 T18 Battery Charger X3
3. G1 A/C Compressor	G1 A/C Compressor X1 G1 A/C Compressor X2
4. T12 Automatic Transmission Assembly	

HYBRID/EV TRANSMISSION DRIVE UNIT

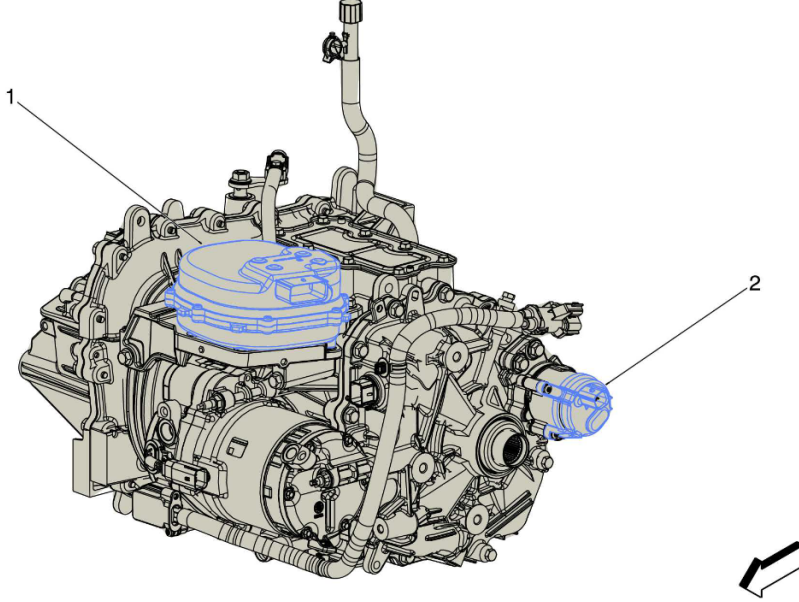


Fig. 2: Hybrid/EV Transmission Drive Unit
Courtesy of GENERAL MOTORS COMPANY

Items

1. K173 Transmission Range Control Module [K173 Transmission Range Control Module](#)
2. G5 Transmission Fluid Pump - Electric/Auxiliary [G5 Transmission Fluid Pump - Electric/Auxiliary](#)

TRANSMISSION COMPONENTS

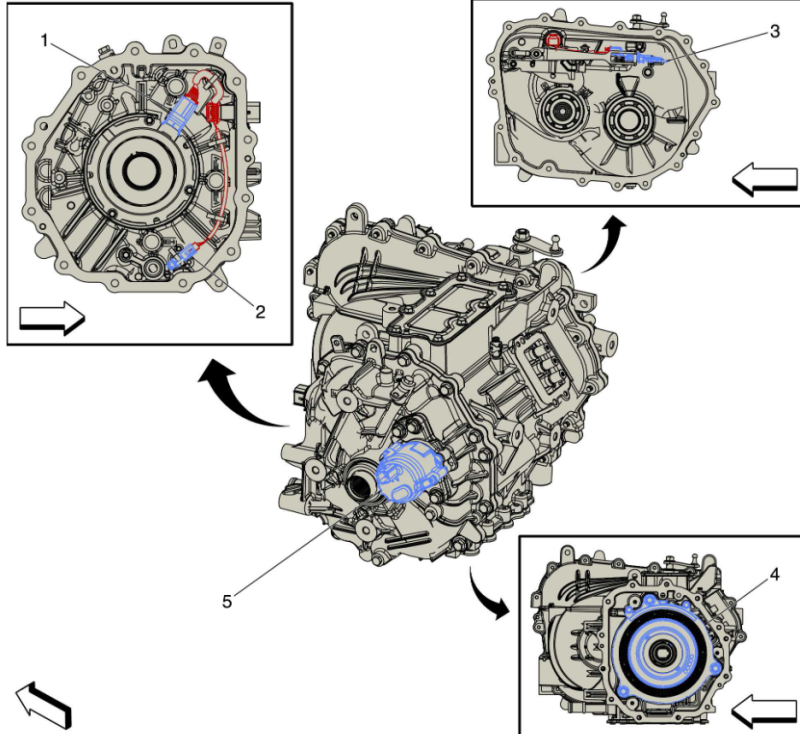


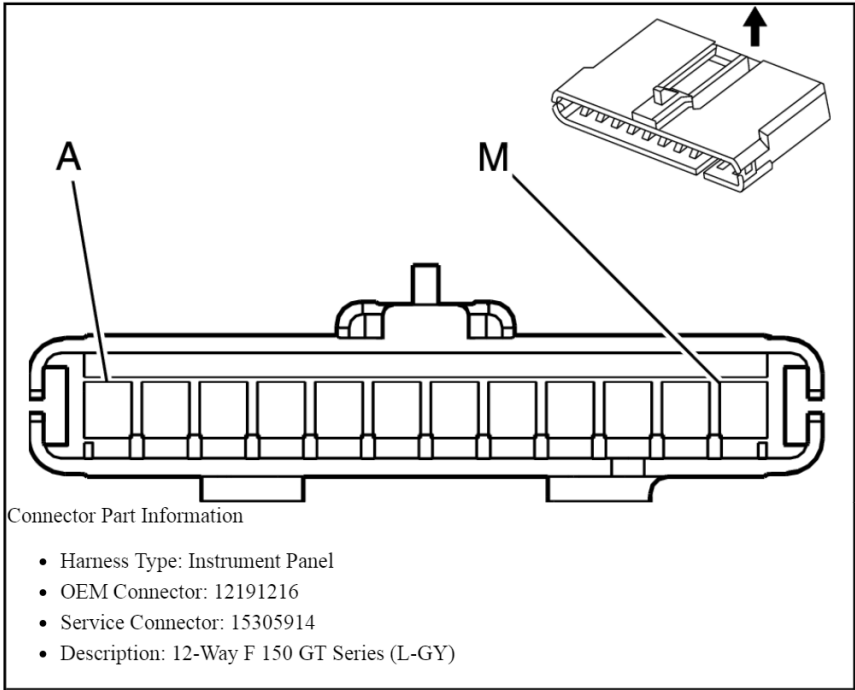
Fig. 3: Transmission Components

Courtesy of GENERAL MOTORS COMPANY

Items
1. B228 Drive Motor Position Sensor
2. B13 Transmission Fluid Temperature Sensor
3. B15 Transmission Internal Mode Switch
4. M15 Drive Motor
5. G5 Transmission Fluid Pump - Electric/Auxiliary G5 Transmission Fluid Pump - Electric/Auxiliary

SPLICE PACK CONNECTOR END VIEWS

JX200 SPLICE PACK



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 12191216
- Service Connector: 15305914
- Description: 12-Way F 150 GT Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575735	J-35616-14 (GN)	J-38125-553	12191812	Delphi 19	E	C

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
B	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
C	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
D	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
E	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
F	-	-	-	Not Occupied	-	-
G	0.35	GN	5060	Low Speed GMLAN Serial Data	I	N06
H - K	-	-	-	Not Occupied	-	-
L	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
M	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-

JX210 SPLICE PACK

Connector Part Information

- Harness Type: Body
- OEM Connector: 12191216
- Service Connector: 15305914
- Description: 12-Way F 150 GT Series (L-GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575735	J-35616-14 (GN)	J-38125-553	12191812	Delphi 19	E	C

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A - E	-	-	-	Not Occupied	-	-
F	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
G	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
H	0.35	GN	5060	Low Speed GMLAN Serial Data	I	UKC
J	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-
K	0.5	GN	5060	Low Speed GMLAN Serial Data	I	AL0
L	0.35	GN	5060	Low Speed GMLAN Serial Data	I	UD5/UD7/UFQ
M	0.35	GN	5060	Low Speed GMLAN Serial Data	I	-

WHEELS/VEHICLE UNDERBODY COMPONENT VIEWS

UNDERBODY - HYBRID/EV BATTERY PACK COMPONENTS

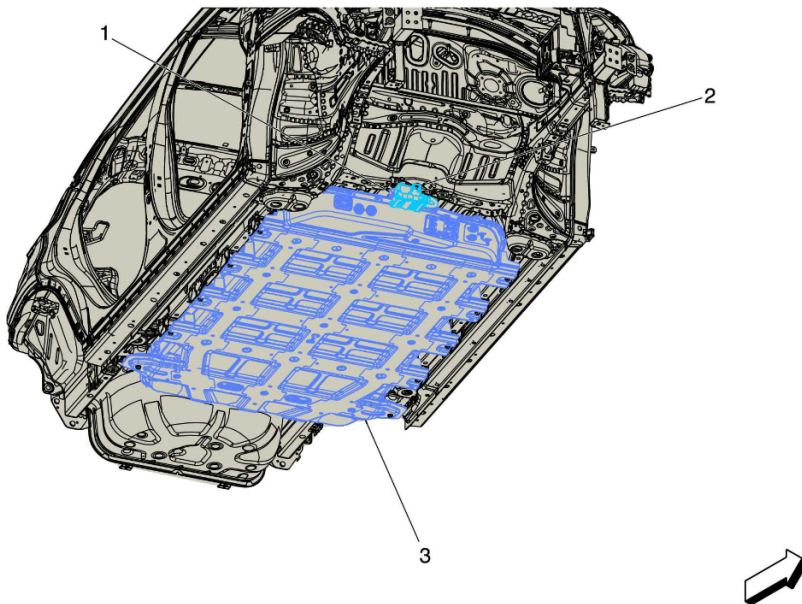


Fig. 1: Underbody - Hybrid/EV Battery Pack Components
Courtesy of GENERAL MOTORS COMPANY

Items

1. B204A Hybrid/EV Battery Pack Coolant Temperature Sensor 1 [B204A Hybrid/EV Battery Pack Coolant Temperature Sensor 1](#)
2. E54 Hybrid/EV Battery Pack Coolant Heater [E54 Hybrid/EV Battery Pack Coolant Heater X1](#) [E54 Hybrid/EV Battery Pack Coolant Heater X2](#)
3. A4 Hybrid/EV Battery Pack [A4 Hybrid/EV Battery Pack X1](#) [A4 Hybrid/EV Battery Pack X3](#) [A4 Hybrid/EV Battery Pack X4](#)

WHEEL WELL COMPONENTS - FRONT

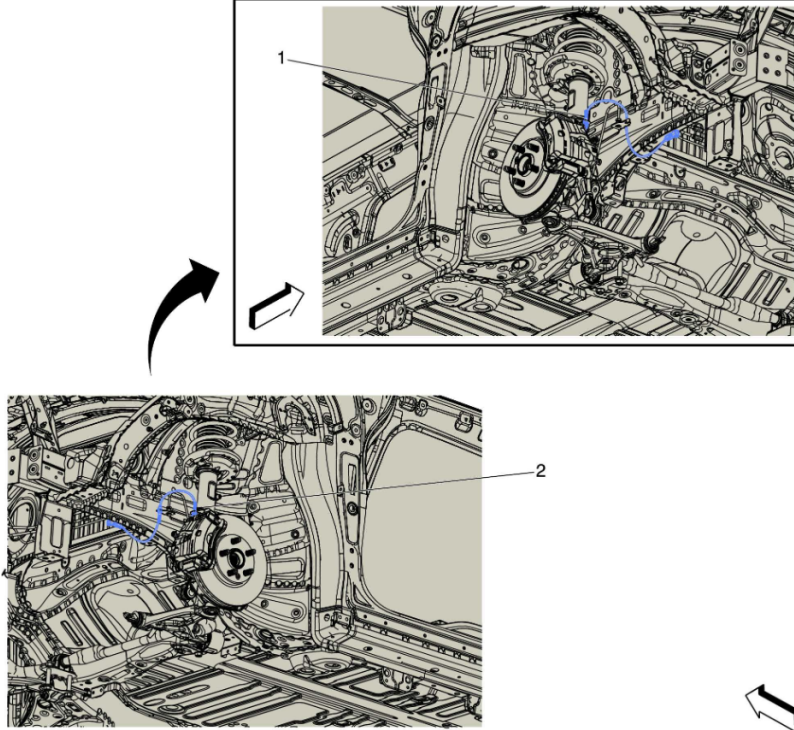


Fig. 2: Wheel Well Components - Front

Courtesy of GENERAL MOTORS COMPANY

Items	
1. B5RF Wheel Speed Sensor - Right Front	<u>B5RF Wheel Speed Sensor - Right Front</u>
2. B5LF Wheel Speed Sensor - Left Front	<u>B5LF Wheel Speed Sensor - Left Front</u>

WHEEL WELL COMPONENTS - REAR

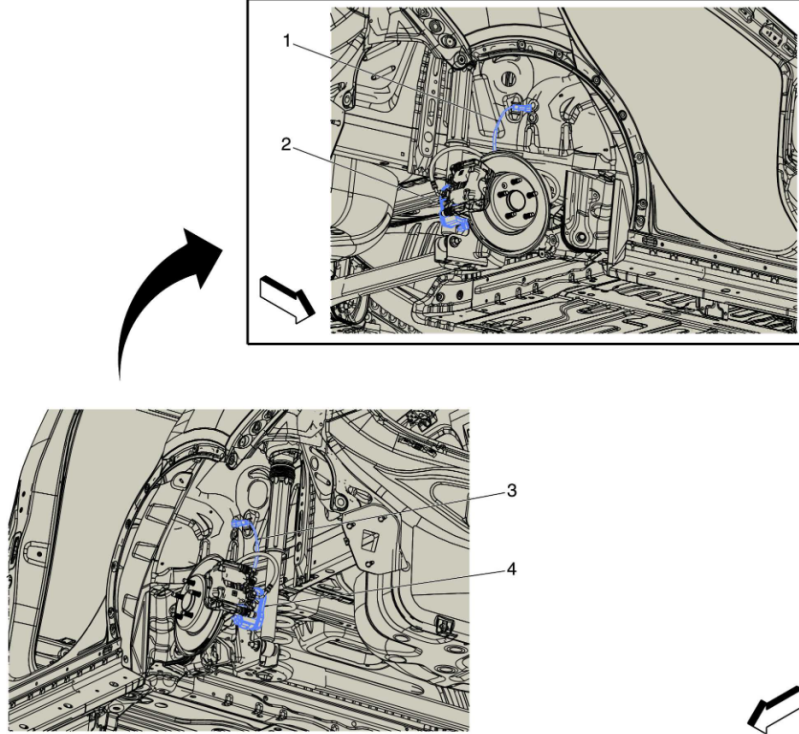


Fig. 3: Wheel Well Components - Rear

Courtesy of GENERAL MOTORS COMPANY

Items

1. B5RR Wheel Speed Sensor - Right Rear **B5RR Wheel Speed Sensor - Right Rear**
2. M104R Park Brake Actuator - Right **M104R Park Brake Actuator - Right**
3. B5LR Wheel Speed Sensor - Left Rear **B5LR Wheel Speed Sensor - Left Rear**
4. M104L Park Brake Actuator - Left **M104L Park Brake Actuator - Left**

DESCRIPTION AND OPERATION

ELECTRONIC PARK LOCK DESCRIPTION AND OPERATION

If the vehicle is equipped with automatic transmission and a floor mounted console gear shift, it has an electronic park lock system. The electronic park lock system purpose is to prevent the ignition from being switched to the Vehicle OFF position when the transmission is in any position other than PARK and the vehicle may still be moving. The electronic park lock system incorporates the park position switch that located in the A/T shift lock control switch. When the transmission shift selector is in PARK, the park position switch closes and the BCM allows the ignition to be turned Vehicle OFF.

If the vehicle is not in PARK, the ignition will return to ACC/ACCESSORY and display the message SHIFT TO PARK in the Driver Information Center. When the vehicle is shifted into PARK, the ignition system will switch to Vehicle OFF.

POWER MODE DESCRIPTION AND OPERATION

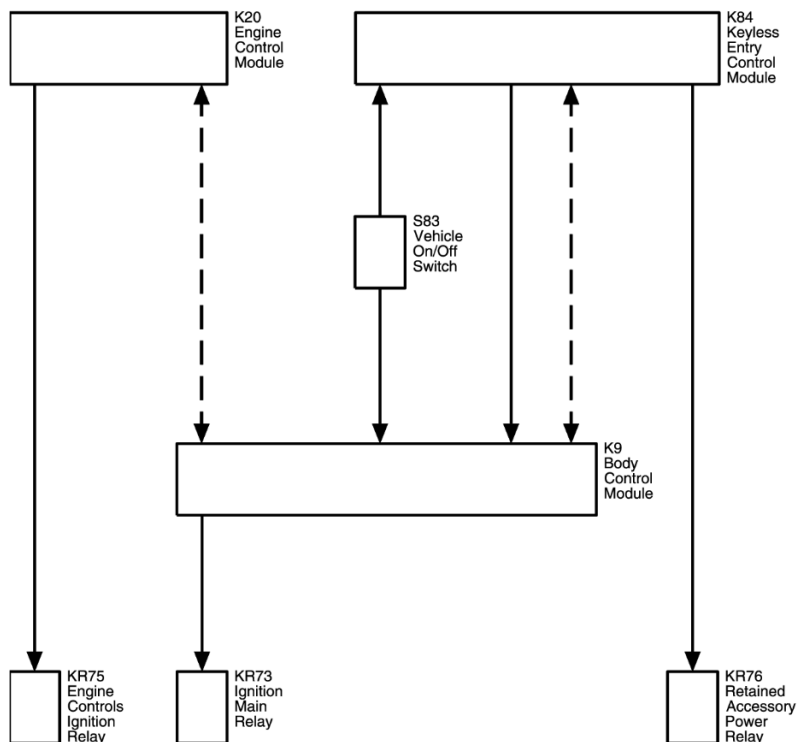


Fig. 1: Power Mode System Block Diagram
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
K20	K20 Engine Control Module
KR73	KR73 Ignition Main Relay
KR75	KR75 Engine Controls Ignition Relay
K9	K9 Body Control Module
K84	K84 Keyless Entry Control Module
S83	S83 Vehicle On/Off Switch
KR76	KR76 Retained Accessory Power Relay

Serial Data Power Mode Master

Power to many of this vehicles circuits is controlled by the module that is designated the power mode master. This vehicles power mode master is the body control module (BCM). The BCM has multiple B+ circuits that feed into it. Each of those circuits are partitioned within the controller to drive certain outputs of the vehicle's body functions. An open or short in any one of the B+ circuits may induce multiple codes/or a section of non-functionality within the BCM with the rest of the BCM functioning normally. In this case it is useful to refer to the power distribution schematics to determine if the non-functional partition of the controller shares a common B+ circuit. The power button switch is a low current push button switch with discrete power button switch signals to the power mode master for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The power mode master will also activate relays and other direct outputs of the power mode master as needed. The power mode master determines which power mode (Vehicle Off, Vehicle On, Vehicle in Service Mode) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the power mode serial data message does not match what the individual module can see from its own connections.

The power mode master receives power button switch signals and transmitter in range signals to identify the operators desired power mode. The Power Mode Parameters table below illustrates the correct state of these input parameters (circuits) in correspondence to the power button switch position and the transmitter to vehicle range:

Power Mode Parameters

Power Mode	Power Mode Transmitted	Push Button Ignition Switch (Power Button Switch Circuit Input to the BCM)	Push Button Ignition Switch Voltage Push Button Ignition Switch Voltage Input to the BCM	Key in Cylinder Switch/Key Fob in Vehicle (Transmitter in Range to the BCM Signal)
Transmitter in Range	Vehicle Off	Inactive	9 V	Yes
Transmitter out of Range	Vehicle Off	Inactive	9 V	No
Vehicle On Power Mode, then Press the Power Button Switch (Foot on or off the Brake Pedal); Transmitter in Vehicle	Vehicle Off	Active (pushed) / Inactive (not pushed)	6 V (pressed)	Yes
Vehicle Off Power Mode, then Press the Power Button Switch with foot on the Brake Pedal; Transmitter in Vehicle	Vehicle On	Active (pushed) / Inactive (not pushed)	6 V (pressed)	Yes

Power Mode	Power Mode Transmitted	Push Button Ignition Switch (Power Button Switch Circuit Input to the BCM)	Push Button Ignition Switch Voltage Push Button Ignition Switch Voltage Input to the BCM	Key in Cylinder Switch/Key Fob in Vehicle (Transmitter in Range to the BCM Signal)
Vehicle Off Power Mode, then Press and Hold the Power Button Switch for 5 s with foot off the Brake Pedal; Transmitter in Vehicle	Vehicle in Service Mode	Active (pushed) / Inactive (not pushed)	6 V (pressed)	Yes
Vehicle Off Power Mode, then Press and Hold the Power Button Switch for over 10 s with foot off the Brake Pedal; Transmitter in Vehicle	Vehicle in Service Mode	Active (pushed) / Inactive (not pushed)	6 V (pressed)	Yes

Relay Controlled Power Mode

The BCM uses the discrete power button switch inputs, transmitter in range status, current power mode state, and the brake pedal position state to distinguish the correct power mode (Vehicle Off, Vehicle On, and Vehicle in Service Mode). The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode and send the power mode message out to other modules in a serial data message.

The retained accessory power relay remains on for a timed period after the power mode transitions to Vehicle Off. Refer to [Retained Accessory Power Description and Operation](#) for more information on the retained accessory power function.

Push Button Start

The vehicle has an electronic push button start switch. The power button switch is equipped with two LED's, one for backlighting and one for Vehicle On indication or Vehicle In Service Mode indication. The power button switch light flashes when the driver door is open and the vehicle is not on. The flashing light will eventually time out. The power button switch light is on steady when in Vehicle On or Vehicle In Service Mode. When the vehicle is turned off, the power button switch light will turn off.

Vehicle On

This position is for driving and starting. The Vehicle On mode will be used for service (including maintenance and lubrication) and diagnostics on the electronic propulsion system or the gas engine. With the vehicle off, transmitter in the vehicle and the brake pedal applied, pressing the power button switch once will place the vehicle in Vehicle On mode. The instrument cluster displays an active fuel or battery gauge, along with an audio startup cue, when the vehicle is ready to be driven. This could take up to 15 s at extremely cold temperatures. The gas engine will only start if needed. If the vehicle did not start, the instrument cluster will display a screen with inactive fuel and battery gauges. The electric propulsion system is active in this power mode. The gas engine will start if the hood is opened while in this power mode. The vehicle can be charged while in this power mode. If the vehicle is left in PARK while in Vehicle On mode and the transmitter is removed from the vehicle, the vehicle will automatically turn off after 1.5 hours. If the vehicle is left in PARK while in Vehicle On mode and the transmitter is in the vehicle, the vehicle will automatically turn OFF after 3 hours. The timer will stop when the vehicle is shifted out of PARK and the timer will reset after the vehicle is placed back in PARK while in Vehicle On mode.

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Vehicle In Service Mode

NOTE: The vehicle will not charge if the charging cable is attached to the vehicle after being placed into the Vehicle In Service Mode. Attach the charging cable to the vehicle before entering the Vehicle In Service Mode to charge the vehicle.

This power mode is available for service and diagnostics, and to verify the proper operation of the MIL as may be required for emission inspection purposes. The Vehicle In Service Mode will be used for service and diagnostics for items not requiring the electronic propulsion to be active or the operation of the gas engine. With the vehicle off, and the brake pedal not applied, pressing and holding the power button switch for 5 s will place the vehicle in Vehicle In Service Mode for approximately 3 hours. After being in Vehicle In Service Mode for 1.5 hours, the vehicle will look to see if the transmitter is still present. If the transmitter is not present in the vehicle, it will power down instead of staying powered up for the full 3 hours. Pressing and holding the power button switch for at least 10 s will place the vehicle in Vehicle In Service Mode until the vehicle is manually turned OFF. The instruments and audio systems will operate as they do in Vehicle On mode, but the vehicle will not be able to be driven. The electric propulsion system is inactive in this power mode. The gas engine will not start if the hood is opened while in this power mode. The vehicle can only be charged in this power mode if the charging cable is attached before this power mode is enabled.

Vehicle Off

To turn the vehicle off, push the power button switch with the vehicle in P (Park). Retained Accessory Power (RAP) will remain active until the driver door is opened. Refer to **Retained Accessory Power Description and Operation** for more information on the retained accessory power function. When turning off the vehicle, if the vehicle is not in P (Park), the SHIFT TO PARK message is displayed in the Driver Information Center (DIC). The electric propulsion system is inactive in this power mode. The gas engine will not start if the hood is opened in this power mode. The vehicle can be charged while in this power mode.

Battery Saver Mode (Transport Mode) (If Equipped)

The battery saver mode (transport mode) reduces the parasitic load of some modules during overseas shipment or during vehicle storage conditions. This improves the drain time on the battery (up to 70 days without the battery going dead). When the vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode (transport mode), such as disabling the Remote Function Actuator or content theft features.

The battery saver mode (transport mode) incorporates a latching relay that when enabled disconnects some modules from their ignition power or memory power sources. Battery saver mode (transport mode) is initiated by turning on the hazard flashers, applying the brake pedal, and then pushing the power button switch for greater than 15 s. The mode is disengaged by repeating the previous process causing the relay to latch in the other direction. Once the vehicle is in Vehicle On mode and the hazard flashers are on, pushing the power button switch for greater than 15 s will latch the relay in the other direction. This feature can be used as many times as necessary if the vehicle is to be stored for an extended period of time.

BCM Awake/Sleep States

The BCM is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if any of the following wake-up inputs are detected:

- Activity on the serial data line (including wake-up circuits)
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Vehicle On
- Vehicle In Service Mode

- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when all of the following conditions exist:

- Vehicle Off, transmitter is out of range
- No activity exists on the serial data line (including wake-up circuits)
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

Serial Data Wake-Up

Control modules on the serial data wake-up circuit enable or disable communication based on the voltage level of this circuit.

RETAINED ACCESSORY POWER DESCRIPTION AND OPERATION

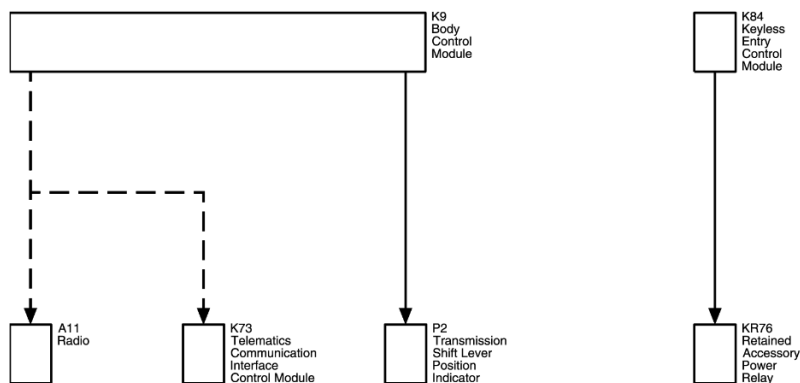


Fig. 2: Retained Accessory Power System Block Diagram

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
K9	K9 Body Control Module
A11	A11 Radio
K73	K73 Telematics Communication Interface Control Module
P2	P2 Transmission Shift Lever Position Indicator
K84	K84 Keyless Entry Control Module
KR76	KR76 Retained Accessory Power Relay

Retained Accessory Power

The body control module (BCM) monitors the vehicle power modes, battery condition, and each door ajar/open switch status to determine whether the retained accessory power should be initiated or terminated. Retained accessory power is controlled by two different methods; relay control and serial data. Some modules receive a retained accessory power message from the BCM over the serial data circuits. Serial data controlled retained accessory power is deactivated as required by their modules retained accessory power mode operation. Other subsystems are activated directly. Components and systems that are active in retained accessory power are also activated anytime the vehicle power mode is any state other than Vehicle OFF regardless of the door switch signals.

The Keyless entry control module keeps the relay energized during all power modes, except Vehicle Off. The relay is also energized for approximately 10 minutes after moving to the Vehicle OFF state and moving the transmitter out of range, providing no door is opened. The keyless entry control module controls components in the same manner as BCM direct controlled retained accessory power with one exception; interruptible retained accessory power is deactivated during transmitter authentication. The keyless entry control module will deactivate components that may cause radio frequency (RF) interference when the vehicle On/Off switch is pressed which may result in "NO REMOTE DETECTED" displayed on the driver information center.

Relay controlled retained accessory power will end when one of the following conditions is met:

- The keyless entry control module receives a message that any door ajar or open switch indicating the opening of any door after entering the Vehicle Off state and the transmitter is out of range.

NOTE: If the keyless entry control module is receiving any door ajar or open signal from those switches when the Vehicle Off state is entered and the transmitter is out of range, retained accessory power will not initiate.

-

- The keyless entry control module detects a decrease in battery capacity below a prescribed limit.

Systems powered by the retained accessory power relay during the retained accessory power mode are as follows:

- Accessory Power Receptacle
- Cigarette Lighter Receptacle

Serial Data Controlled Retained Accessory Power

Retained accessory power systems controlled by serial data are as follows:

Radio

Radio retained accessory power activation / termination is the same as relay operation with one exception; the only door switch that will turn off the radio during retained accessory power is the driver door open switch.

Vehicle Communication Interface Module (VCIM) (Onstar®) (If Equipped)

VCIM RAP activation/termination is the same as radio operation with 1 exception; if there is an active call when the ignition key is turned off the VCIM will remain in RAP mode, and keep the radio in RAP mode until the call is terminated.
