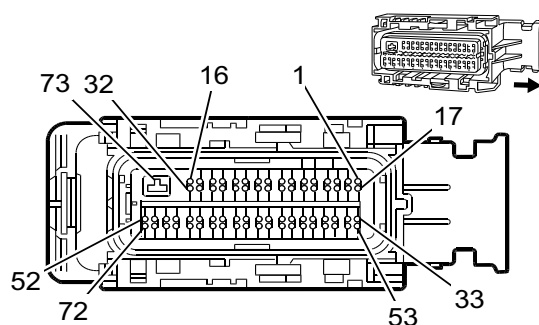


K20 Engine Control Module X3 (LGZ)



1590596

Connector Part Information

Harness Type: Engine

OEM Connector: 34566-0203

Service Connector: 88988372

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK with GY Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575797	J-35616-4A (PU)	J-38125-11A	7116-4152-02	Yazaki 9	A	5
II	13575812	J-35616-64B (LT BU)	J-38125-213	33467-0003	Delphi 23	Not Available	J

K20 Engine Control Module X3 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5492	Cylinder Shutoff Solenoid Control 2	II	—
2	0.5	L-BU	5491	Cylinder Shutoff Solenoid Control 1	II	—
3	0.5	L-GN/BN	5298	Camshaft Position Exhaust Sensor Control 2	II	—
4	0.5	YE	5276	Camshaft Position Intake Sensor 2	II	—
5	0.5	WH/L-BU	5302	Camshaft Position Intake Sensor Control 2	II	—
6	0.5	VT/L-BU	6270	Crankshaft 60X Sensor 5V Reference	II	—
7	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	II	—
8	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	II	—
9 - 11	—	—	—	Not Occupied	—	—
12	0.5	BN/L-BU	2126	Ignition Control 6	II	—
13	0.5	L-BU/GY	2125	Ignition Control 5	II	—
14	0.5	YE/L-BU	2124	Ignition Control 4	II	—
15	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	II	—
16	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	II	—
17	0.5	GY/L-GN	908	—	II	—
18	0.5	YE/L-GN	4321	Park Phaser Lock Control	II	—
19	0.5	BK/BN	5299	Camshaft Position Exhaust Sensor Low Reference 2	II	—
20	0.5	VT/L-BU	5274	Camshaft Position Exhaust Sensor 2	II	—

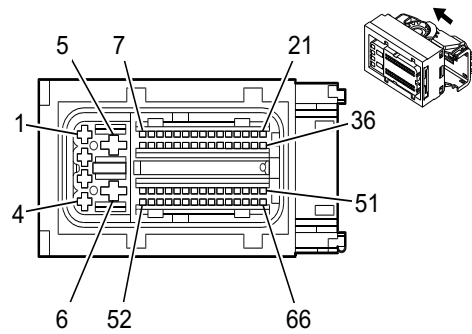
K20 Engine Control Module X3 (LGZ) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21	0.5	BK/VT	5303	Camshaft Position Intake Sensor Low Reference 2	II	—
22	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	II	—
23	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	II	—
24	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	II	—
25	—	—	—	Not Occupied	—	—
26	0.5	L-BU/WH	225	Generator Turn On Signal	II	—
27	—	—	—	Not Occupied	—	—
28	0.5	L-GN/L-BU	2123	Ignition Control 3	II	—
29	0.5	L-BU/WH	2122	Ignition Control 2	II	—
30	0.5	L-BU/VT	2121	Ignition Control 1	II	—
31	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
32	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	II	—
33	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	II	—
34	0.5	L-BU	179	Oil Pump Command Signal	II	—
35	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Control 1	II	—
36	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor 1	II	—
37	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference 1	II	—
38	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	II	—
39	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	II	—
40	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	II	—
41	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	II	—
42	—	—	—	Not Occupied	—	—
43	0.5	BK/L-BU	6755	Cam Phaser Y Low Reference	II	—
44	0.5	L-GN	5272	Camshaft Phaser Intake Solenoid 2	II	—
45	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	II	—
46	0.5	BK/BN	6753	Cam Phaser W Low Reference	II	—
47	0.75	WH/L-GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	II	—
48	0.75	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	II	—
49	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	II	—
50	0.75	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	II	—
51	0.75	VT/L-GN	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	II	—
52	0.75	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	II	—
53 - 54	—	—	—	Not Occupied	—	—
55	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	II	—
56	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	II	—
57	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	II	—
58	—	—	—	Not Occupied	—	—

K20 Engine Control Module X3 (LGZ) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
59	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	II	—
60	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	II	—
61	0.5	GY	23	Generator Field Duty Cycle Signal	II	—
62	—	—	—	Not Occupied	—	—
63	0.5	BK/GY	6756	Cam Phaser Z Low Reference	II	—
64	0.5	L-GN/BN	5283	Camshaft Phaser Exhaust Solenoid 2	II	—
65	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid 1	II	—
66	0.5	BK/VT	6754	Cam Phaser X Low Reference	II	—
67	0.75	L-GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	II	—
68	0.75	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	II	—
69	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	II	—
70	0.75	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	II	—
71	0.75	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	II	—
72	0.75	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	II	—
73	2.5	BK/WH	151	Signal Ground	I	—

K20 Engine Control Module X1 (LWN)



2498868

Connector Part Information

Harness Type: Engine

OEM Connector: 13647470

Service Connector: 19332707

Description: 66-Way F 0.64, 2.8, 6.3 Series, Sealed (BK)

Terminal Part Information

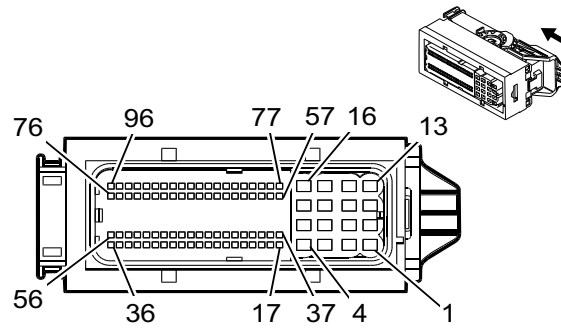
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13584448	J-35616-64B (LT BU)	J-38125-12A	1719532-5	Lear 7	J	J
III	-	J-35616-4A (PU)	J-38125-36	4-964273-1	Yazaki 15	C	5
IV	-	J-35616-4A (PU)	J-38125-36	4-964273-1	Yazaki 15	E	1
V	-	J-35616-4A (PU)	J-38125-36	4-964286-1	Lear 16	E	1
VI	-	J-35616-4A (PU)	J-38125-36	4-964286-1	Lear 16	Not Available	Not Available

K20 Engine Control Module X1 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	III	—
2	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	V	—
3	1.5	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	IV	—
4	0.5	RD/WH	140	Battery Positive Voltage	VI	—
5	6	BN/L-BU	104	Glow Plug Control	I	—
6	6	BK/WH	451	Signal Ground	I	—
7	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
8 - 10	—	—	—	Not Occupied	—	—
11	0.5	L-BU/YE	6861	Water In Fuel Sensor Signal	II	—
12	—	—	—	Not Occupied	—	—
13	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	II	—
14	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	II	—

K20 Engine Control Module X1 (LWN) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
15	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal 2	II	—
16	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	II	—
17	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	II	—
18	0.5	BN/WH	419	Check Engine Indicator Control	II	—
19	0.5	L-GN/BN	507	Wait To Start Indicator Control	II	—
20	—	—	—	Not Occupied	—	—
21	0.5	YE	2928	Fuel Metering Valve High Control	II	—
22	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	II	—
23	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	II	—
24	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	II	—
25	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	II	—
26	0.5	L-BU/VT	2364	Cooling Fan Speed Signal	II	—
27	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference 1	II	—
28	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	II	—
29	0.5	L-BU/RD	1688	5V Reference	II	—
30	0.5	VT/WH	821	Vehicle Speed Sensor Signal	II	—
31	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	II	—
32	—	—	—	Not Occupied	—	—
33	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	II	—
34 - 35	—	—	—	Not Occupied	—	—
36	0.5	BN/BK	2929	Fuel Metering Valve Low Control	II	—
37 - 38	—	—	—	Not Occupied	—	—
39	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	II	—
40	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
41 - 42	—	—	—	Not Occupied	—	—
43	0.5	BK/YE	5382	Brake Position Sensor Low Reference	II	—
44	0.5	WH/RD	5381	Brake Position Sensor 5V Reference	II	—
45	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	II	—
46	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	II	—
47	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	II	—
48	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	II	—
49	—	—	—	Not Occupied	—	—
50	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	II	—
51	0.5	YE	5991	Powertrain Relay Coil Control	II	—
52 - 53	—	—	—	Not Occupied	—	—
54	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	II	—
55	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
56 - 58	—	—	—	Not Occupied	—	—
59	0.5	WH/L-GN	5380	Brake Position Sensor Signal	II	—
60	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference	II	—
61 - 63	—	—	—	Not Occupied	—	—
64	0.5	VT/BN	2927	Hydrocarbon Injector Low Control	II	—
65	—	—	—	Not Occupied	—	—
66	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	II	—

K20 Engine Control Module X2 (LWN)

4115094

Connector Part Information

Harness Type: Engine

OEM Connector: 35059745

Service Connector: 19370825

Description: 96-Way F 0.64 MTS-B, 2.8 ATS Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13584448	J-35616-64B (LT BU)	J-38125-12A	1719532-5	Lear 7	J	J
II	-	J-35616-4A (PU)	J-38125-36	4-964273-1	Yazaki 15	C	5
III	-	J-35616-4A (PU)	J-38125-36	4-964273-1	Yazaki 15	E	1

K20 Engine Control Module X2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	III	—
2	1.5	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	III	—
3	1.5	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	III	—
4	1.5	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	III	—
5	1.5	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	III	—
6	1.5	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	III	—
7	1.5	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	III	—
8	1.5	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	III	—
9 - 12	—	—	—	Not Occupied	—	—
13	2	GY/BN	1582	Glow Plug Control 2	II	—
14	2	GY/YE	1584	Glow Plug Control 4	II	—
15	2	GY/L-GN	1583	Glow Plug Control 3	II	—

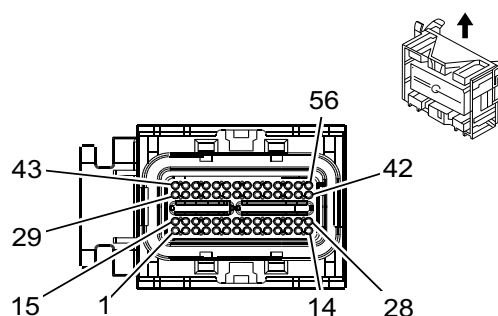
K20 Engine Control Module X2 (LWN) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
16	2	GY/L-BU	1581	Glow Plug Control 1	II	—
17	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—
18	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
19	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—
20 - 25	—	—	—	Not Occupied	—	—
26	0.5	BN	9348	Induction Air Temperature Sensor 3 Signal	I	—
27	0.5	BN/GY	7072	Sensor Fuel Temperature 1 Signal	I	—
28 - 29	—	—	—	Not Occupied	—	—
30	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	I	—
31	0.5	BN	3681	Charge Air Cooler Outlet Temperature Sensor Signal	I	—
32	0.5	L-GN	3683	Charge Air Cooler Inlet Temperature Sensor Signal	I	—
33	—	—	—	Not Occupied	—	—
34	0.5	BN	25	Charge Indicator Control	I	—
35 - 37	—	—	—	Not Occupied	—	—
38	0.5	BN/YE	2161	Fuel Rail Pressure Sensor 2 Signal	I	—
39	—	—	—	Not Occupied	—	—
40	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	I	—
41	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—
42	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
43	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	I	—
44	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
45	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
46	—	—	—	Not Occupied	—	—
47	0.5	BN/WH	7073	Sensor Fuel Temperature 1 Low Reference	I	—
48 - 49	—	—	—	Not Occupied	—	—
50	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	—
51	0.5	YE/L-BU	3680	Charge Air Cooler Outlet Temperature Sensor Low Reference	I	—
52	0.5	YE/BK	3682	Charge Air Cooler Inlet Temperature Sensor Low Reference	I	—
53 - 55	—	—	—	Not Occupied	—	—
56	0.5	BN/L-BU	2926	Hydrocarbon Injector High Control	I	—
57	0.5	BK/BN	2753	Exhaust Gas Recirculation Sensor Low Reference	I	—
58	0.5	BN/WH	5763	Exhaust Gas Recirculation Valve Sensor Signal	I	—
59	0.5	L-BU/RD	5047	Exhaust Gas Recirculation 5V Reference 1	I	—
60	0.5	BK/BN	6141	Cooling Fan Speed Low Reference	I	—
61	—	—	—	Not Occupied	—	—
62	0.5	GY/RD	2365	Cooling Fan Speed 5V Reference	I	—
63 - 66	—	—	—	Not Occupied	—	—
67	0.5	GY	23	Generator Field Duty Cycle Signal	I	—
68	—	—	—	Not Occupied	—	—
69	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	I	—

K20 Engine Control Module X2 (LWN) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
70	0.5	VT/BK	5746	Exhaust Gas Recirculation Valve Motor Low Signal	I	—
71	0.5	WH/VT	5764	Exhaust Gas Recirculation Valve Motor High Signal	I	—
72	0.5	GY/L-BU	5930	Variable Nozzle Turbo Solenoid High Signal	I	—
73	0.5	WH/BK	5931	Variable Nozzle Turbo Solenoid Low Signal	I	—
74 - 75	—	—	—	Not Occupied	—	—
76	0.5	BK/YE	2834	Fuel Rail Pressure Solenoid Low Reference	I	—
77 - 79	—	—	—	Not Occupied	—	—
80	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
81	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—
82	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
83	0.5	VT/L-BU	6270	Crankshaft 60X Sensor 5V Reference	I	—
84	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	I	—
85	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	I	—
86	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	—
87	—	—	—	Not Occupied	—	—
88	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	—
89	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	I	—
90	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
91	0.5	YE	581	Throttle Actuator Control Open	I	—
92 - 93	—	—	—	Not Occupied	—	—
94	0.5	YE/L-BU	3231	Exhaust Gas Recirculation Cooler Bypass Solenoid Control	I	—
95	0.5	GY/L-BU	3230	Exhaust Gas Recirculation Cooler Bypass Solenoid Control	I	—
96	0.5	L-BU/WH	2530	Fuel Rail Pressure Solenoid Control	I	—

K20 Engine Control Module X3 (LWN)



784851

Connector Part Information

Harness Type: Engine

OEM Connector: 34576-0703

Service Connector: 88988373

Description: 56-Way F 0.64 Series, Sealed (BU with BU Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575796	J-35616-64B (LT BU)	J-38125-213	33467-0003	Delphi 23	Not Available	J

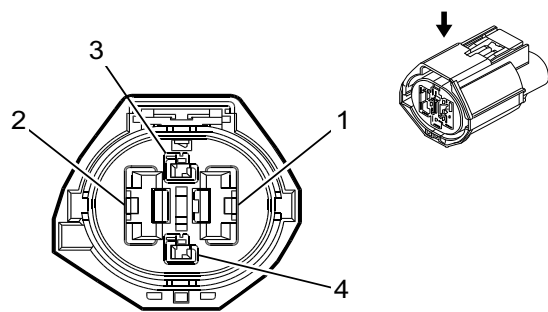
K20 Engine Control Module X3 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	3100	DEF Dosing Valve Low Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	—
7	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	—
8	0.5	BK/L-BU	61	Outside Ambient Temperature Sensor Low Reference	I	—
9	0.5	BK/VT	3661	Exhaust Gas Temperature Sensor 5 Low Reference	I	—
10	0.5	BK/L-BU	6274	Exhaust Gas Recirculation Temperature Sensor Low Reference	I	—
11	0.5	BK/GY	3659	Exhaust Gas Temperature Sensor 4 Low Reference	I	—
12	0.5	BK/L-GN	3657	Exhaust Gas Temperature Sensor 3 Low Reference	I	—
13	0.5	BK/L-BU	6783	Exhaust Gas Temperature Sensor 2 Low Reference	I	—
14	0.5	L-BU/WH	5277	Exhaust Gas Temperature Sensor 1	I	—
15	0.5	BN	3099	DEF Dosing Valve High Control	I	—
16 - 17	—	—	—	Not Occupied	—	—
18	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	I	—

K20 Engine Control Module X3 (LWN) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
19	0.5	BK/YE	6275	Exhaust Gas Recirculation Temperature Sensor 2 Low Reference	I	—
20	0.5	YE/L-GN	3236	Exhaust Gas Recirculation Temperature Sensor 2 Signal	I	—
21	0.5	GY/RD	5928	Variable Nozzle Turbo Position Sensor 5V Reference	I	—
22	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	—
23	0.5	L-BU/GY	3660	Exhaust Gas Temperature Sensor 5 Signal	I	—
24	0.5	WH/BN	3237	Exhaust Gas Recirculation Temperature Sensor Signal	I	—
25	0.5	VT/BN	3658	Exhaust Gas Temperature Sensor 4 Signal	I	—
26	0.5	GY/L-GN	5378	Exhaust Gas Temperature Sensor 3	I	—
27	0.5	BK/BN	6782	Exhaust Gas Temperature Sensor 1 Low Reference	I	—
28	0.5	L-BU/L-GN	5377	Exhaust Gas Temperature Sensor 2	I	—
29	—	—	—	Not Occupied	—	—
30	0.5	YE/L-BU	1497	Crankcase Ventilation (Blowby) Heater Control Signal	I	—
31	—	—	—	Not Occupied	—	—
32	0.5	BN/GY	4008	Humidity Sensor Signal	I	—
33	0.5	BK/BN	5929	Variable Nozzle Turbo Position Sensor Low Reference	I	—
34 - 42	—	—	—	Not Occupied	—	—
43	0.5	L-GN/L-BU	3889	DEF Power Module Relay Control	I	—
44	—	—	—	Not Occupied	—	—
45	0.5	L-BU	3017	Fuel Heater Relay Control 1	I	—
46	0.5	VT/YE	5947	Variable Nozzle Turbo Position Sensor Signal	I	—
47 - 49	—	—	—	Not Occupied	—	—
50	0.5	WH/RD	6054	Exhaust Pressure Sensor 5V Reference 1	I	—
51	0.5	L-BU	6053	Exhaust Pressure Sensor Signal 1	I	—
52	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference 1	I	—
53 - 56	—	—	—	Not Occupied	—	—

K22 Cooling Fan Control Module



2394097

Connector Part Information

Harness Type: Cooling Fan
OEM Connector: 7287-1404-10
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.5, 9.5 Series, Sealed (D-GY)

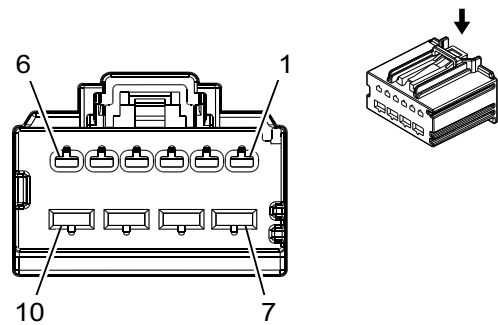
Terminal Part Information

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

K22 Cooling Fan Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK	1350	Ground	I	—
2	—	RD/GY	4840	Battery Positive Voltage	I	—
3 - 4	—	—	—	Not Occupied	—	—

K29 Seat Heating Control Module X1 (KA1)



3791446

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 13582823
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 1.5, 2.8 Series (BK)

Terminal Part Information

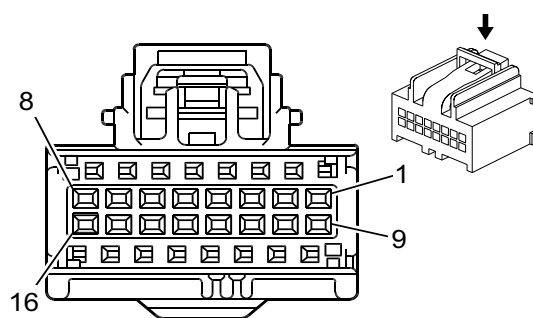
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K29 Seat Heating Control Module X1 (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	WH/BN	2481	Passenger Heated Back Element Control	I	—
2	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
3	0.75	GY/BK	2480	Passenger Heated Seat Element Low Reference	I	—
4	0.75	VT/BK	2424	Driver Heated Back Element Low Reference	I	—
5	0.75	BN	2432	Driver Heated Back Element Control	I	—
6	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
7	0.75	RD/GN	6140	Battery Positive Voltage	I	—
8	0.75	BK	3850	Ground	I	—
9	—	—	—	Not Occupied	—	—
10	0.75	RD/GN	5140	Battery Positive Voltage	I	—

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K29 Seat Heating Control Module X2 (KA1)



1653409

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 15136073

Service Connector: Service by Harness - See Part Catalog

Description: 16-Way F 0.64 Kaizen Series (BK)

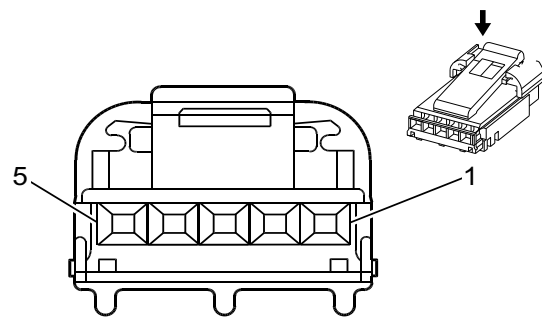
Terminal Part Information

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

K29 Seat Heating Control Module X2 (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK/YE	2080	Driver Heated Seat NTC Low Reference	I	—
2	—	GY/BK	2435	Passenger Heated Seat NTC Low Reference	I	—
3	—	BU	2425	Driver Heated Back NTC Signal	I	—
4	—	WH/BU	2436	Passenger Heated Back NTC Signal	I	—
5	—	WH/GY	2434	Passenger Heated Seat NTC Signal	I	—
6	—	YE/GY	2079	Driver Heated Seat NTC Signal	I	—
7	—	—	—	Not Occupied	—	—
8	—	GN/BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
9	—	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
10	—	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
11	—	—	—	Not Occupied	—	—
12	—	BK/GN	2482	Passenger Heated Back NTC Low Reference	I	—
13 - 16	—	—	—	Not Occupied	—	—

K32 Steering Wheel Heating Control Module



1682177

Connector Part Information

Harness Type: Heated Steering Wheel
OEM Connector: 31072-1010
Service Connector: Service by Harness - See Part Catalog
Description: 5-Way F 31072 Series (BK)

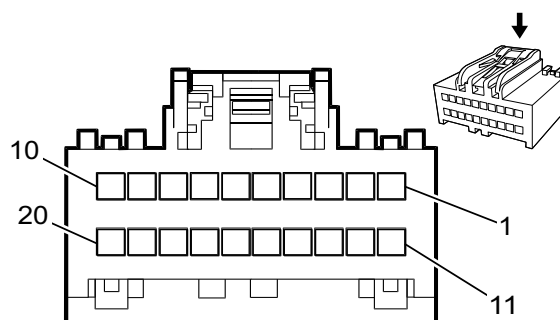
Terminal Part Information

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

K32 Steering Wheel Heating Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/GY	5883	Heated Steering Wheel Switch Signal	I	—
2	0.35	GN	5884	Heated Steering Wheel Switch LED Control	I	—
3	0.75	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
4 - 5	—	—	—	Not Occupied	—	—

K33 HVAC Control Module X1



2180227

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 31410-0203
 Service Connector: 13593934
 Description: 20-Way F 0.64 Series (GN)

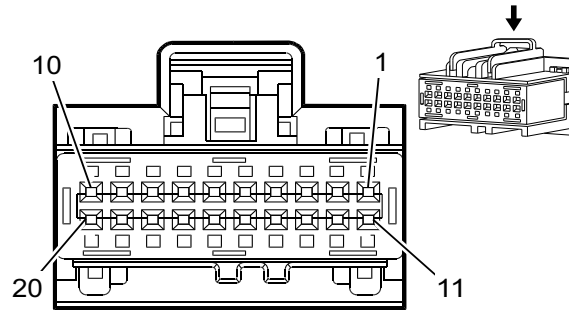
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K33 HVAC Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	GY/L-GN	7565	Windscreen Temp Sensor Signal	II	—
3	—	—	—	Not Occupied	—	—
4	0.35	L-BU/WH	734	Inside Air Temperature Sensor Signal	II	—
5	0.35	YE/L-BU	3197	Humidity Temperature Sensor Signal	II	—
6	0.35	YE/RD	597	5V Reference	II	—
7	0.35	BK/L-BU	7566	Humidity/Windscreen Temp Sensor Low Reference	II	—
8 - 11	—	—	—	Not Occupied	—	—
12	0.35	GY/L-BU	7564	Humidity Sensor Signal	II	—
13	—	—	—	Not Occupied	—	—
14	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	II	—
15 - 17	—	—	—	Not Occupied	—	—
18	0.5	BN	518	Lower Left Air Temperature Sensor Signal	I	—
19 - 20	—	—	—	Not Occupied	—	—

K33 HVAC Control Module X2



1664552

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 31410-0202
 Service Connector: 13593933
 Description: 20-Way F USCAR 64 Series (BN)

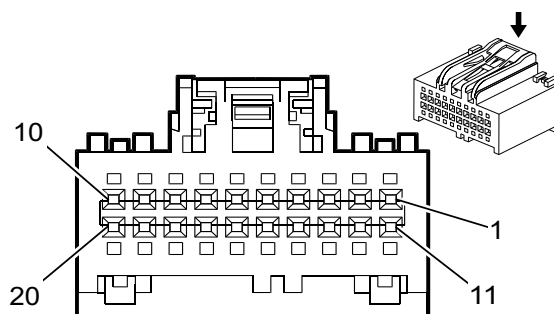
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K33 HVAC Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/VT	3340	Battery Positive Voltage	I	—
2	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	—
3	—	—	—	Not Occupied	—	—
4	0.35	L-GN/YE	7531	Local Interconnect Network Serial Data Bus 9	II	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	VT	3195	Auxiliary Heater Control	I	—
8	0.5	BK	2050	Ground	I	—
9	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	II	—
10	0.5	L-BU/YE	7574	Electric Variable Displacement Control	I	—
11	0.5	L-BU/BN	7573	Electric Variable Displacement Supply	I	—
12 - 14	—	—	—	Not Occupied	—	—
15	0.35	L-BU/GY	754	Blower Motor Speed Control	II	—
16 - 17	—	—	—	Not Occupied	—	—
18	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	II	—
19	0.35	BN/VT	193	Rear Defog Relay Control	II	—
20	—	—	—	Not Occupied	—	—

K33 HVAC Control Module X3



1715223

Connector Part Information

Harness Type: HVAC

OEM Connector: 31410-1200

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 64 Series, Sealed (BK)

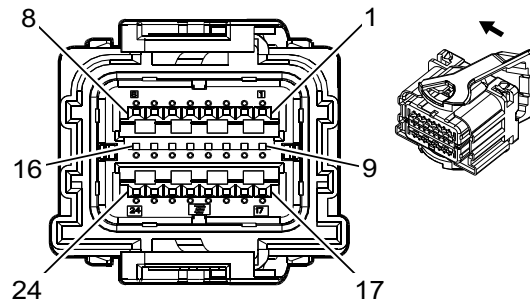
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

K33 HVAC Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	22	YE	3165	Mode Door Stepper Motor Control 1	I	—
3	22	WH/RD	3166	Mode Door Stepper Motor Control 2	I	—
4	22	GY/BN	3167	Mode Door Stepper Motor Control 3	I	—
5	22	D-GN/WH	3168	Mode Door Stepper Motor Control 4	I	—
6 - 8	—	—	—	Not Occupied	—	—
9	22	BK/YE	407	Sensor Low Reference	I	—
10	—	—	—	Not Occupied	—	—
11	22	D-GN	3169	Temp Door Stepper Motor Control 1	I	—
12	22	WH/PK	3170	Temp Door Stepper Motor Control 2	I	—
13	22	GY/RD	3171	Temp Door Stepper Motor Control 3	I	—
14	22	RD/BK	3172	Temp Door Stepper Motor Control 4	I	—
15	22	BK	7572	HVAC Motor Control	I	—
16	22	GY	3173	Air Inlet Door Stepper Motor Control 1	I	—
17	22	D-BU/WH	3174	Air Inlet Door Stepper Motor Control 2	I	—
18	22	BN/D-GN	3175	Air Inlet Door Stepper Motor Control 3	I	—
19	22	RD/D-GN	3176	Air Inlet Door Stepper Motor Control 4	I	—
20	22	GY	6137	EVAP Core Temperature Sensor Signal	I	—

K36 Inflatable Restraint Sensing and Diagnostic Module X1



2829824

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2098923-7

Service Connector: 19299778

Description: 24-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19328872	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19368490	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

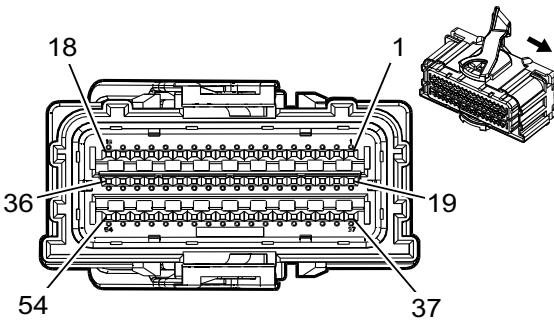
K36 Inflatable Restraint Sensing and Diagnostic Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	3021	Steering Wheel Module Stage 1 High Control	I	—
2	0.35	WH/OG	3020	Steering Wheel Module Stage 1 Low Control	I	—
3	0.35	BN/OG	3022	Steering Wheel Module Stage 2 Low Control	I	—
4	0.35	OG/VT	3023	Steering Wheel Module Stage 2 High Control	I	—
5	0.35	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	—
6	0.35	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	—
7	0.35	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	—
8	0.35	GY/OG	3027	Passenger IP Module Stage 2 High Control	I	—
9	0.5	RD/L-GN	4440	Battery Positive Voltage	II	—
10	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
11	0.35	L-BU	2307	Passenger Air Bag On Indicator Control	I	—
12	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	—
13 - 14	—	—	—	Not Occupied	—	—
15	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	—
16	—	—	—	Not Occupied	—	—
17	0.5	WH/L-BU	5986	Serial Data Communication Enable	II	—
18	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) 2	II	—
19	0.5	BK/WH	2251	Signal Ground	II	—
20	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	II	—

K36 Inflatable Restraint Sensing and Diagnostic Module X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21 - 24	—	—	—	Not Occupied	—	—

K36 Inflatable Restraint Sensing and Diagnostic Module X2



2817420

Connector Part Information

Harness Type: Body
OEM Connector: 2098922-9
Service Connector: 19301526
Description: 54-Way F 0.64 Series, Sealed (YE)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19328872	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Avail-able	Not Avail-able	Not Avail-able
II	19368490	J-35616-64B (LT BU)	J-38125-11A	Not Available	Not Avail-able	Not Avail-able	Not Avail-able

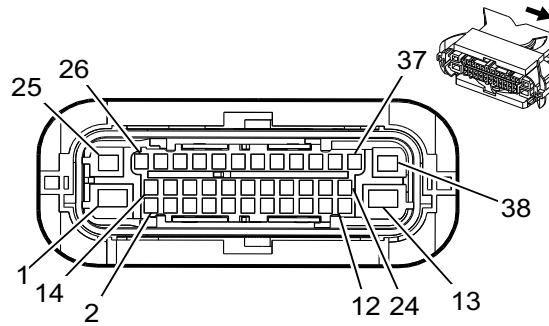
K36 Inflatable Restraint Sensing and Diagnostic Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 8	—	—	—	Not Occupied	—	—
9	0.35	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	—
10	0.35	YE/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	—
11	0.35	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	—
12	0.35	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	—
13	0.35	OG/L-BU	3068	Driver Side Impact Module High Control	I	—
14	0.35	L-GN/OG	3069	Driver Side Impact Module Low Control	I	—
15	0.35	BN/OG	3067	Passenger Side Impact Module Low Control	I	—
16	0.35	OG/GY	3066	Passenger Side Impact Module High Control	I	—
17	0.5	OG/L-GN	5019	Left Front Head Curtain Module High Control	II	—
18	0.5	VT/OG	5020	Left Front Head Curtain Module Low Control	II	—
19	0.35	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	—
20	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	—
21	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	—
22	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	—

K36 Inflatable Restraint Sensing and Diagnostic Module X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
23	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	II	—
24	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	II	—
25	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	II	—
26	0.5	OG/L-GN	1409	Right Front Discriminating Sensor Signal	II	—
27	0.35	OG/L-BU	6620	Left Middle Side Impact Sensing Module Signal	I	—
28	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	—
29	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	—
30	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	—
31 - 36	—	—	—	Not Occupied	—	—
37	0.5	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	II	CREW CAB EXTENDED CAB
	0.35	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	I	
38	0.5	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	II	CREW CAB EXTENDED CAB
	0.35	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	
39	0.5	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	II	CREW CAB EXTENDED CAB
	0.35	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	
40	0.5	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	II	CREW CAB EXTENDED CAB
	0.35	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	
41	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	—
42	—	—	—	Not Occupied	—	—
43	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	—
44	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	—
45	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	—
46 - 52	—	—	—	Not Occupied	—	—
53	0.5	OG/GY	5021	Right Front Head Curtain Module High Control	II	—
54	0.5	WH/OG	5022	Right Front Head Curtain Module Low Control	II	—

K38A Chassis Control Module



3240110

Connector Part Information

Harness Type: Chassis

OEM Connector: 15498534

Service Connector: 19329924

Description: 38-Way F 1.5 CTS, 2.8 MCP, 4.8 MCP Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	A	B
II	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
III	-	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C

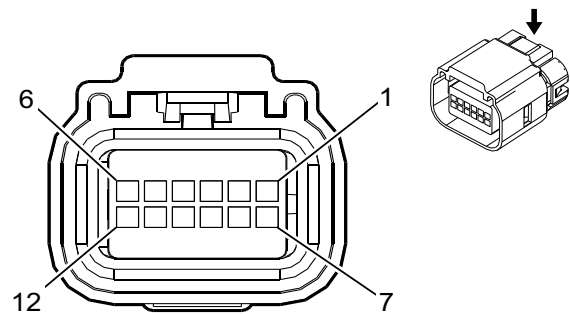
K38A Chassis Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	BK/YE	7259	Axle Differential Lock Switch Low Reference	II	—
4	0.5	YE/GN	7122	Axle Differential Lock Switch Signal	II	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	WH/BK	7254	Front Differential Lock Actuator Low Control	II	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.5	GY/BK	7253	Rear Differential Lock Actuator Low Control	II	—
11	0.5	YE	7115	Rear Axle Differential Lock Indicator Control	II	—
12	0.5	VT/GY	7117	Front Axle Differential Lock Indicator Control	II	—
13	2.5	BK	650	Ground	I	—
14	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
15	0.5	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	II	—
16	0.5	BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	II	—
17	0.5	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	II	—
18	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	II	—

K38A Chassis Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
19	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	II	—
20	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	II	—
21	0.5	GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	II	—
22	0.5	YE/BK	2224	Trailer Brake Enable Signal	II	—
23	0.5	WH/BK	2223	Trailer Brake Control Signal	II	—
24	—	—	—	Not Occupied	—	—
25	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	III	—
26	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
27	0.5	BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
28	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
29	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
30	0.5	GN/VT	4114	Local Interconnect Network Serial Data Bus 14	II	—
31 - 33	—	—	—	Not Occupied	—	—
34	0.5	GN/BK	7118	Front Axle Differential Lock Low Reference	II	—
35	0.5	VT/BK	7121	Rear Axle Differential Lock Low Reference	II	—
36	0.5	BU/BK	7116	Front Axle Differential Lock Control	II	—
37	0.5	BU/WH	7120	Rear Axle Differential Lock Control	II	—
38	—	—	—	Not Occupied	—	—

K43 Power Steering Control Module X1



3293624

Connector Part Information

Harness Type: Power Steering
OEM Connector: 13678638
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 1.2 OCS Series, Sealed (BK)

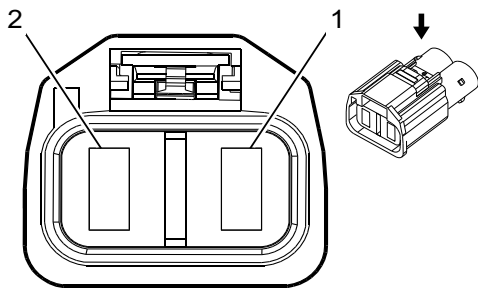
Terminal Part Information

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

K43 Power Steering Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/BN	5940	Battery Positive Voltage	I	—
2	0.5	WH/L-BU	5986	Serial Data Communication Enable	I	—
3	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
4	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
5	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) 2	I	—
6	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	I	—
7	0.5	BK	1150	Ground	I	—
8	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
10	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
12	0.5	BK	1150	Ground	I	—

K43 Power Steering Control Module X2



2748050

Connector Part Information

Harness Type: Power Steering
OEM Connector: 7287-1990-30
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 9.5 Series, Sealed (BK)

Terminal Part Information

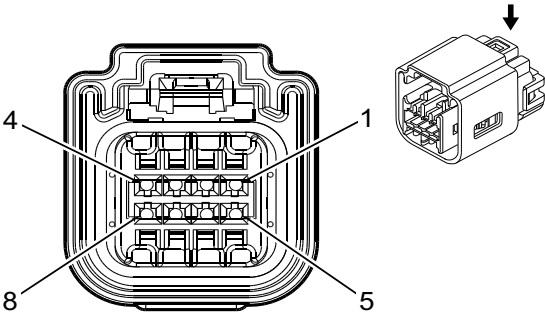
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

K43 Power Steering Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	BK	1050	Ground	I	—
2	10	RD/VT	842	Battery Positive Voltage	I	—

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K43 Power Steering Control Module X3



3996837

Connector Part Information

Harness Type: Power Steering
OEM Connector: 13572498
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 1.2 OCS Series, Sealed (BK)

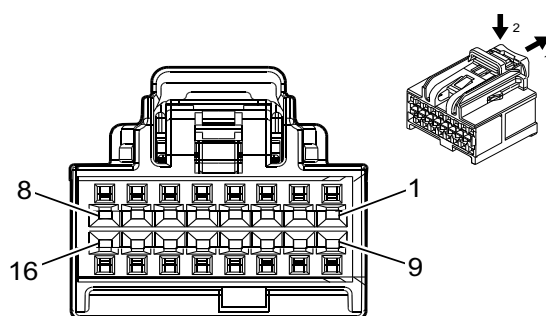
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K43 Power Steering Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/BK	—	—	I	—
2	0.5	BN/RD	6631	Torque Input Sensor High Reference	I	—
3	0.5	BU/GY	6633	Torque Input Sensor Signal	I	—
4	0.5	BK/BU	6632	Torque Input Sensor Low Reference	I	—
5	0.5	WH/OG	—	—	I	—
6	0.5	BN/RD	6631	Torque Input Sensor High Reference	I	—
7	0.5	BU/GY	6633	Torque Input Sensor Signal	I	—
8	0.5	BK/BU	6632	Torque Input Sensor Low Reference	I	—

K56 Serial Data Gateway Module X1



4873243

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 35016343
 Service Connector: 13519738
 Description: 16-Way F 0.64 OCS Series (BK)

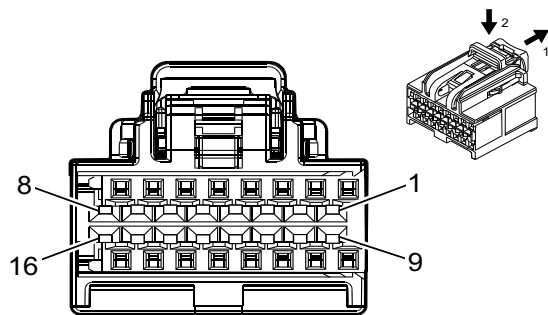
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13587581	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

K56 Serial Data Gateway Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/WH	6440	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	I	—
4	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	BK/WH	2151	Signal Ground	I	—
7	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	WH/L-BU	5986	Serial Data Communication Enable	I	—
11	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	I	—
12	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	I	—
13	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	I	—
14	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	I	—
15	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	—
16	—	—	—	Not Occupied	—	—

K56 Serial Data Gateway Module X2



4873254

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 35016344
Service Connector: 13519739
Description: 16-Way F 0.64 OCS Series (GY)

Terminal Part Information

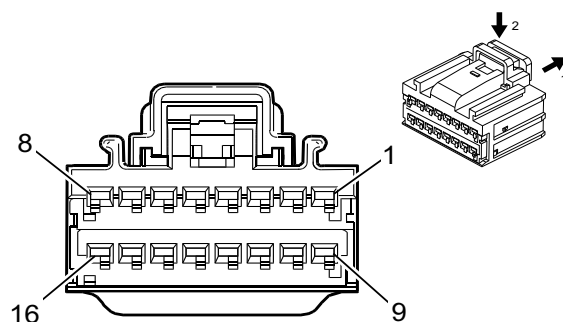
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13587581	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Avail-able	Not Avail-able	Not Avail-able

K56 Serial Data Gateway Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
2	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
3 - 9	—	—	—	Not Occupied	—	—
10	0.5	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	I	—
11	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	I	—
12	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	I	—
13 - 16	—	—	—	Not Occupied	—	—

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K69 Transfer Case Control Module X1



4847548

Connector Part Information

Harness Type: Body
 OEM Connector: 15512507
 Service Connector: 13591062
 Description: 16-Way F 1.5 OCS Series (GY)

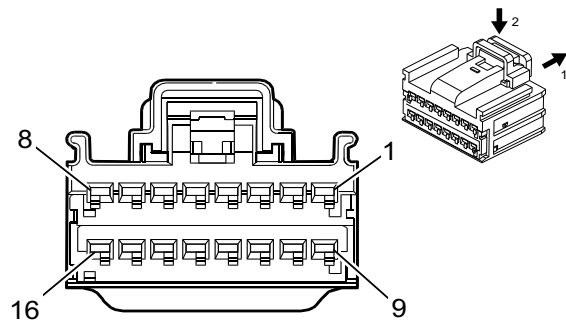
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

K69 Transfer Case Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BK	7478	Rotary Position Sensor Low Reference	I	—
2	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	I	—
3	0.5	YE	7474	Incremental Encoder Direction Signal	I	—
4	0.5	GY/BK	1570	Front Axle Actuator Control	I	—
5	0.5	L-BU/GY	7473	Incremental Encoder Impulse Signal	I	—
6	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	I	—
7	0.35	L-BU/YE	1693	Four Wheel Drive Switch Signal	I	—
8	—	—	—	Not Occupied	—	—
9	0.5	WH/RD	7477	Rotary Position Sensor 5V Reference	I	—
10	0.5	WH/L-GN	7475	Incremental Encoder Sensor 8V Reference	I	—
11	0.5	VT	7476	Incremental Encoder Sensor Low Reference	I	—
12	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	I	—
13	1	YE/BN	1569	Transfer Case Lock Solenoid Control	I	—
14 - 16	—	—	—	Not Occupied	—	—

K69 Transfer Case Control Module X2



4332214

Connector Part Information

Harness Type: Body
OEM Connector: 15512506
Service Connector: 13591061
Description: 16-Way F 1.5 OCS Series (BK)

Terminal Part Information

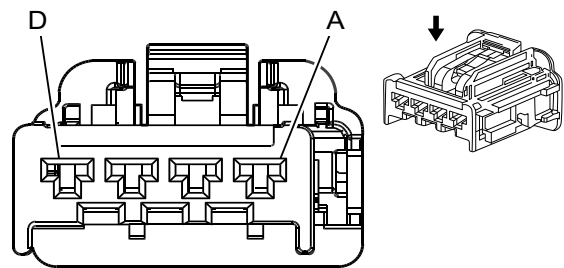
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Avail-able	Not Avail-able	Not Avail-able

K69 Transfer Case Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	VT/WH	1565	4 LO Indicator Control	I	—
4	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	0.35	VT/YE	5985	Accessory Wakeup Serial Data	I	—
7	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
8	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.35	GY/L-GN	1561	AWD Indicator Control	I	—
12	0.35	BN	1560	Neutral Indicator Control	I	—
13	0.35	L-GN/BK	1563	2 HI Indicator Control	I	—
14	0.35	BN/BK	1566	4 HI Indicator Control	I	—
15	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
16	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—

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K69 Transfer Case Control Module X3



1866237

Connector Part Information

Harness Type: Body
OEM Connector: 15466671
Service Connector: 19149301
Description: 4-Way F 280 GT Series (L-GY)

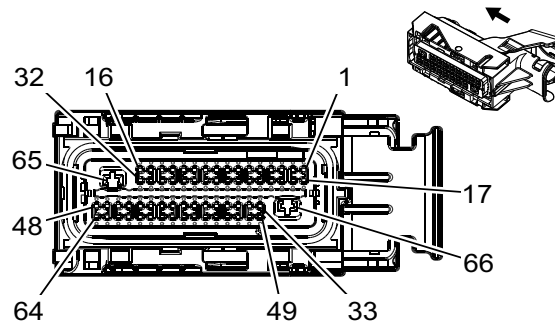
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

K69 Transfer Case Control Module X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	—
B	2.5	YE/GY	1552	Transfer Case Motor Clockwise Control	I	—
C	2.5	RD/GY	1342	Battery Positive Voltage	I	—
D	2.5	BK	3250	Ground	I	—

K71 Transmission Control Module



3621452

Connector Part Information

Harness Type: Engine

OEM Connector: 34822-0013

Service Connector: 19329822

Description: 66-Way F 0.64, 2.8 Series, Sealed (BK with BK Terminal Position Assurance)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575796	J-35616-4A (PU)	J-38125-11A	7116-4150-02	Yazaki 9	Not Available	Not Available
II	13575812	J-35616-64B (LT BU)	J-38125-213	33467-0003	Delphi 23	Not Available	J

K71 Transmission Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-BU	4507	Transmission Clutch H Control	II	—
2	0.5	L-BU	6401	Clutch B Control	II	—
3	0.5	GY/L-GN	6403	Clutch D Control	II	—
4 - 6	—	—	—	Not Occupied	—	—
7	0.5	YE/L-GN	4170	Transmission Position Sensor B 9V Reference	II	—
8	0.5	YE/L-BU	4171	Transmission Position Sensor A 9V Reference	II	—
9 - 12	—	—	—	Not Occupied	—	—
13	0.5	L-GN/VT	4510	Transmission Intermediate Speed Signal	II	—
14	0.5	GY/L-BU	6358	Output Speed Signal	II	—
15	0.5	L-GN/YE	6353	Input Speed Signal	II	—
16	—	—	—	Not Occupied	—	—
17	0.5	WH	4508	Transmission Clutch G Control	II	—
18	0.5	BN	6400	Clutch A Control	II	—
19	0.5	GY	6402	Clutch C Control	II	—
20	0.5	YE/BN	6404	Clutch E Control	II	—
21	0.5	L-GN/WH	6380	TCC On/Off Solenoid A Control	II	—
22	0.5	YE/BN	6210	TCC On/Off Solenoid B Control	II	—
23 - 24	—	—	—	Not Occupied	—	—
25	0.5	BK/GY	3927	IMS Mode Switch Low Reference	II	—

K71 Transmission Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
26 - 27	—	—	—	Not Occupied	—	—
28	0.5	BK/BN	586	Transmission Oil Temperature Sensor Low Reference	II	—
29 - 32	—	—	—	Not Occupied	—	—
33	0.75	L-GN/GY	6387	Transmission High Side Driver 1 Signal Driver	II	—
34	—	—	—	Not Occupied	—	—
35	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	II	—
36	—	—	—	Not Occupied	—	—
37	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
38	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
39 - 46	—	—	—	Not Occupied	—	—
47	0.5	GY/YE	4169	PRNDL S Signal	II	—
48	—	—	—	Not Occupied	—	—
49	0.75	GY/BN	6388	Transmission High Side Driver 2 Signal	II	—
50	—	—	—	Not Occupied	—	—
51	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
52	—	—	—	Not Occupied	—	—
53	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
54	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
55 - 58	—	—	—	Not Occupied	—	—
59	0.5	GY/WH	4168	PRNDL P Signal	II	—
60	0.5	WH/BK	5983	PRNDL C Signal	II	—
61	0.5	GY/BN	5982	PRNDL B Signal	II	—
62	0.5	VT/WH	5981	PRNDL A Signal	II	—
63	0.5	BN/WH	585	Transmission Oil Temperature Sensor Signal	II	—
64	—	—	—	Not Occupied	—	—
65	0.75	BK/WH	1451	Signal Ground	I	—
66	0.75	RD/L-GN	1840	Battery Positive Voltage	I	—

K71 Transmission Control Module (MYB)**Connector Part Information**

Harness Type: Transmission

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: -Way F

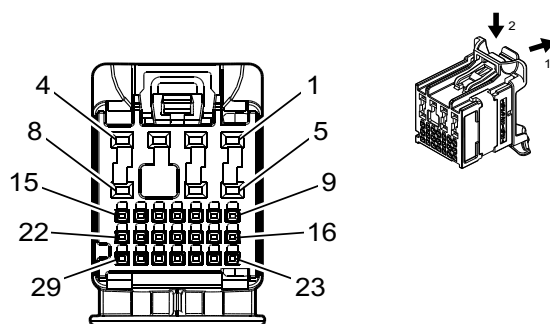
Terminal Part Information

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

K71 Transmission Control Module (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
10	—	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
11	—	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
13	—	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
14	—	BU	2500	High Speed GMLAN Serial Data (+) 1	I	—

K73 Telematics Communication Interface Control Module X1



4496253

Connector Part Information

Harness Type: Body

OEM Connector: 160014-0004

Service Connector: 13506123

Description: 29-Way F 0.5 NANO, 1.2 MCON Series Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-21	Not Available	Not Available	Not Available	Not Available
II	19354361	EL-35616-58 (BK)	EL-38125-58	Not Available	Not Available	Not Available	Not Available
III	-	EL-35616-58 (BK)	EL-38125-58	Not Available	Not Available	Not Available	Not Available

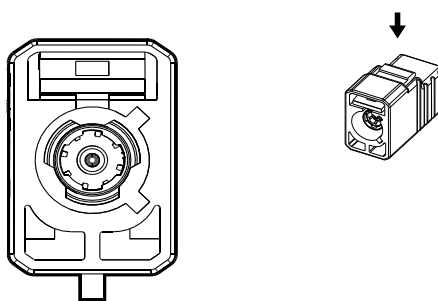
K73 Telematics Communication Interface Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/L-BU	3240	Battery Positive Voltage	I	—
2 - 3	—	—	—	Not Occupied	—	—
4	0.5	BK/WH	3451	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.35 0.5	L-GN/BK L-GN/BK	2515 2515	Keypad Control Keypad Control	I I	CREW CAB EXTENDED CAB
7	—	—	—	Not Occupied	—	—
8	0.5	BK/WH	3451	Signal Ground	I	—
9	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	II	—
10	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	II	—
11	0.35	L-GN/WH	2514	Keypad Signal	II	—
12	0.35	WH/L-BU	5986	Serial Data Communication Enable	II	—
13	0.5	Bare	1792	Low Reference	III	—
14	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	II	—
15	0.35	GY/YE	5149	Voice Recognition Audio Signal	II	—
16	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	II	—

K73 Telematics Communication Interface Control Module X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
17	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	II	—
18	—	—	—	Not Occupied	—	—
19	0.35	YE/VT	2516	Keypad Green LED Control	II	—
20	0.35	Bare	1782	Low Reference	II	—
21	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	II	—
22	0.35	L-BU	655	Cellular Telephone Microphone Signal	II	—
23	0.35	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	II	—
24 - 25	—	—	—	Not Occupied	—	—
26	0.35	BN/WH	2517	Keypad Red LED Control	II	—
27	—	—	—	Not Occupied	—	—
28	0.35	GY/WH	7211	Ethernet Bus 4 (+)	II	—
29	0.35	GY	7210	Ethernet Bus 4 (-)	II	—

K73 Telematics Communication Interface Control Module X5 (UE1)



2912303

Connector Part Information

Harness Type: Body COAX

OEM Connector: 13581693

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (VT)

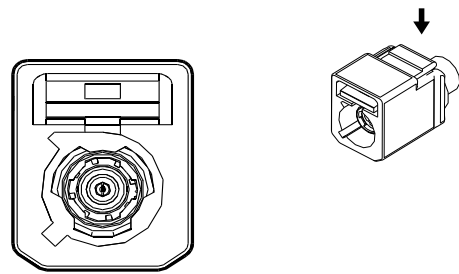
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K73 Telematics Communication Interface Control Module X5 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(Cell only) Coaxial Antenna Cell Phone Signal	I	—

K73 Telematics Communication Interface Control Module X7 (UE1)



4002773

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581969
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BN)

Terminal Part Information

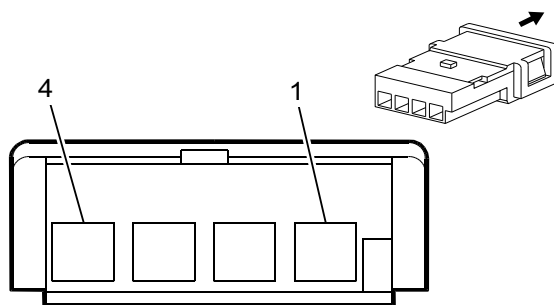
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

K73 Telematics Communication Interface Control Module X7 (UE1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	I	—

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K77 Remote Control Door Lock Receiver



872587

Connector Part Information

Harness Type: Headliner

OEM Connector: 968943-1

Service Connector: 13576534

Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

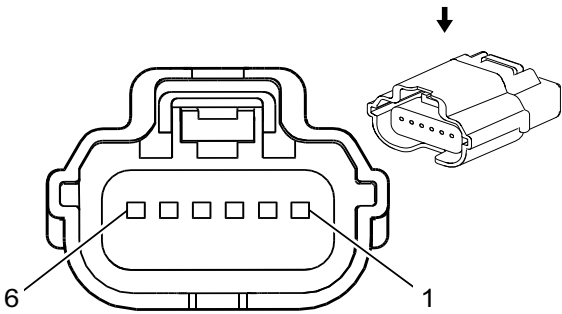
Terminal Part Information

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

K77 Remote Control Door Lock Receiver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	3273	Remote Function Actuator Low Reference	I	—
2	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	I	—
3	0.35	L-BU/WH	3275	Remote Function Actuator Receive Signal	I	—
4	0.35	GY/WH	3272	Remote Function Actuator Control	I	—

K85 Passenger Presence Module



1974974

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 31404-6132
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Series, Sealed (BK)

Terminal Part Information

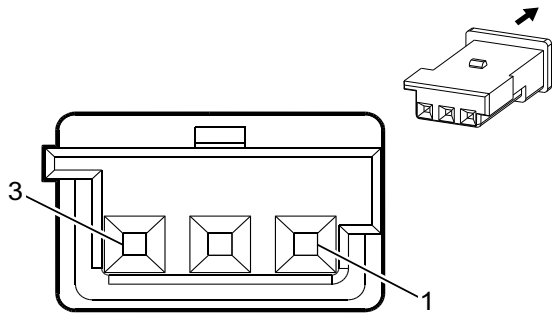
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

K85 Passenger Presence Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/GN	4440	Battery Positive Voltage	I	—
2	0.35	GN	5060	Low Speed GMLAN Serial Data	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	BK/WH	2251	Signal Ground	I	—
5	0.35	BU/RD	5612	Passenger Seat Belt Tension Sensor 5V Reference	I	—
6	0.35	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	—

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K89 Immobilizer Control Module



2179789

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 4-1718346-1
Service Connector: 13576530
Description: 3-Way F 0.64 Micro-Quadlock Series (PU)

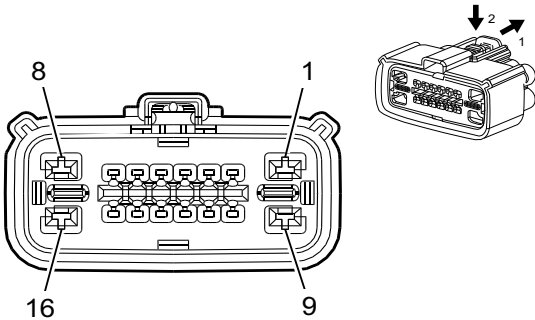
Terminal Part Information

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

K89 Immobilizer Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/GY	3277	Vehicle Anti-Theft System Immobilizer Low Reference	I	—
2	0.35	L-GN/VT	7533	Local Interconnect Network Serial Data Bus 11	I	—
3	0.35	GY/BK	3276	Vehicle Anti-Theft System Immobilizer Control	I	—

K111 Fuel Pump Driver Control Module



4283035

Connector Part Information

Harness Type: Chassis
OEM Connector: 34985-4003
Service Connector: 19352906
Description: 16-Way F 1.5, 2.8 Series, Sealed (BK)

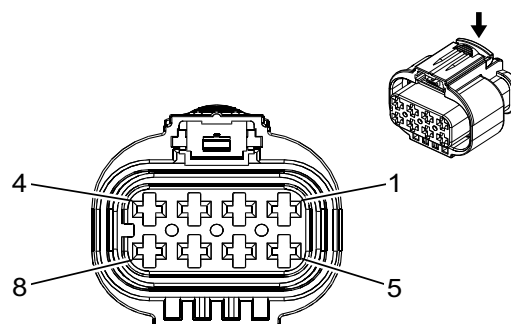
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	13575808	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
III	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

K111 Fuel Pump Driver Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	RD/VT	1940	Battery Positive Voltage	I	—
2	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	III	—
3	—	—	—	Not Occupied	—	—
4	0.5	L-BU/BK	7493	High Speed GMLAN Serial Data (+)3	III	—
5	0.5	WH	7494	High Speed GMLAN Serial Data (-)3	III	—
6	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	II	—
7	0.5	VT/YE	5985	Accessory Wakeup Serial Data	III	—
8	2.5	GY	120	Fuel Pump Control	I	—
9	2.5	BK	650	Ground	I	—
10 - 14	—	—	—	Not Occupied	—	—
15	0.5	BK	7444	Fuel System Control Module Shield Ground	III	—
16	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	LCV

K115 Reductant Control Module X1



3749581

Connector Part Information

Harness Type: Chassis

OEM Connector: 2109441-2

Service Connector: -

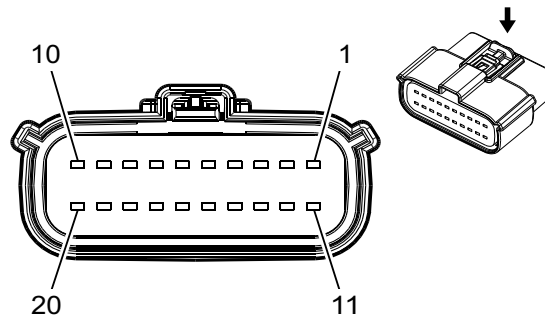
Description: 8-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

K115 Reductant Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/L-GN	2440	Battery Positive Voltage	I	—
2	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
3	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
4	2.5 2.5	BK BK	650 650	Ground Ground	I II	LWN LWN+CREW CAB
5	0.5	VT/L-GN	4320	Selective Catalytic Reduction Power Module Wake-Up Signal	I	—
6	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
7	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
8	2.5 2.5	L-BU L-BU	3921 3921	DEF Heater Supply 1 DEF Heater Supply 1	I II	LWN LWN+CREW CAB

K115 Reductant Control Module X2 (LWN)

2871898

Connector Part Information

Harness Type: Reductant Assembly

OEM Connector: 33472-2006

Service Connector: Service by Harness - See Part Catalog

Description: 20-Way F 150 MX Series, Sealed (BK)

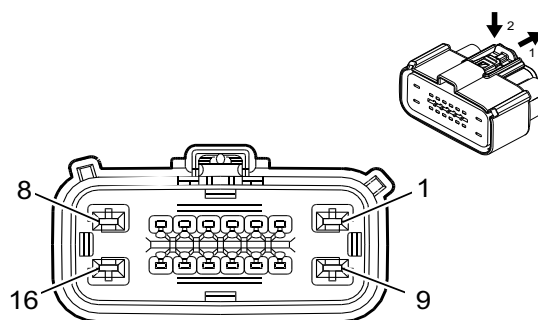
Terminal Part Information

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

K115 Reductant Control Module X2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.0	BK	9015	Def Smart Pump Control Phase 1	I	—
2	1.0	YE/GY	9008	Def Smart Pump Control Phase 2	I	—
3	1.0	GY/BK	9007	Def Smart Pump Control Phase 3	I	—
4	1.0	BK/WH	9010	Def Tank Heater Low Control	I	—
5	1.0	BK	9014	Pump Ground	I	—
6	—	—	—	Not Occupied	—	—
7	1.0	GY/WH	9017	Reductant Line Heater Control	I	—
8	—	—	—	Not Occupied	—	—
9	0.5	BK/WH	9001	Def Tank Temperature Sensor Signal	I	—
10	0.5	BK	9002	Def Tank Temperature Sensor Low Reference	I	—
11	1.0	GY/WH	9009	Def Reservoir Heater Control	I	—
12	0.5	BK	9005	Def Pressure Sensor 5V Reference	I	—
13	0.5	BK	9004	Def Pressure Sensor Signal	I	—
14	0.5	BK/WH	9003	Def Pressure Sensor Low Reference	I	—
15	0.5	BK	9012	Diesel Exhaust Fluid Sensor Voltage Reference	I	—
16	0.5	BK	9013	Def Tank Level Sensor Signal	I	—
17	0.5	BK/WH	9006	Def Tank Level Sensor Low Reference	I	—
18	0.5	BK	9011	Q Sensor Signal	I	—
19	—	—	—	Not Occupied	—	—
20	1.0	BK/WH	9016	Reductant Line Heater Low Control	I	—

K133 Trailer Brake Power Control Module



4624589

Connector Part Information

Harness Type: Chassis

OEM Connector: 34985-4016

Service Connector: 13599889

Description: 16-Way F 1.5, 2.8 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-35 (VT)	J-38125-12A	1326030-8	Lear 17	4	D
II	19300432	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
III	19300635	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
IV	-	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

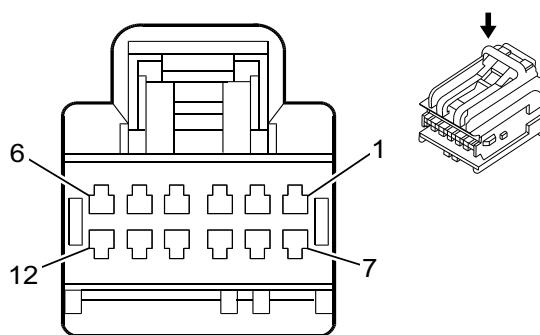
K133 Trailer Brake Power Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5 2.5	RD/L-GN RD/L-GN	242 242	Battery Positive Voltage Battery Positive Voltage	I IV	LWN LWN+CREW CAB
2	0.5 0.5	WH/BK WH/BK	2223 2223	Trailer Brake Control Signal Trailer Brake Control Signal	II III	LWN LWN+CREW CAB
3 - 4	—	—	—	Not Occupied	—	—
5	0.5 0.5	YE/BK YE/BK	2224 2224	Trailer Brake Enable Signal Trailer Brake Enable Signal	II III	LWN LWN+CREW CAB
6 - 7	—	—	—	Not Occupied	—	—
8	2.5 2.5	L-BU L-BU	47 47	Trailer Auxiliary Control Trailer Auxiliary Control	I IV	LWN LWN+CREW CAB
9	2.5 2.5	BK BK	650 650	Ground Ground	I IV	LWN LWN+CREW CAB
10 - 11	—	—	—	Not Occupied	—	—

K133 Trailer Brake Power Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
12	0.5	L-GN/VT	4114	Local Interconnect Network Serial Data Bus 14	II	LWN
	0.5	L-GN/VT	4114	Local Interconnect Network Serial Data Bus 14	III	LWN+CREW CAB
13 - 16	—	—	—	Not Occupied	—	—

K182 Parking Assist Control Module X1



1664569

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 31410-0120

Service Connector: 19354838

Description: 12-Way F 0.64 Series, Sealed (BK)

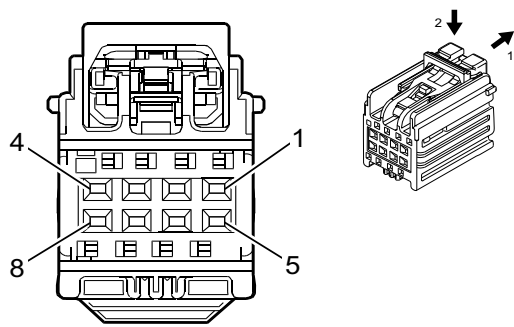
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

K182 Parking Assist Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/L-GN	3140	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	II	—
4 - 7	—	—	—	Not Occupied	—	—
8	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	II	—
9	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	—
10	0.5	BK	2050	Ground	I	—
11 - 12	—	—	—	Not Occupied	—	—

K182 Parking Assist Control Module X2



4280711

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7289-2895-40
Service Connector: 19355209
Description: 8-Way F YESC Kaizen Series (GY)

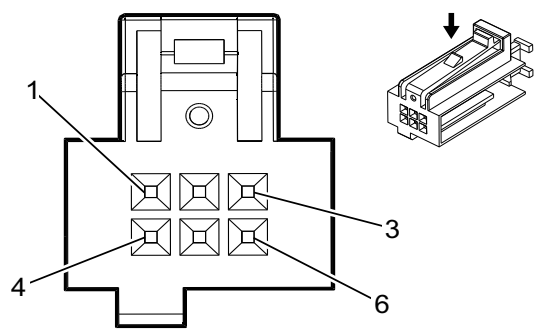
Terminal Part Information

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

K182 Parking Assist Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	—
3	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	—
4	0.75	BN/WH	2374	Object Sensor Control	I	—
5	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	—
6	0.5	YE/L-BU	2376	Left Rear Middle Object Sensor Signal	I	—
7	—	—	—	Not Occupied	—	—
8	0.35	BK/GY	2379	Object Sensor Low Reference	I	—

M4 Air Inlet Door Actuator



2220563

Connector Part Information

Harness Type: HVAC
OEM Connector: 1519302
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F Micro-Quadlock Series (BK)

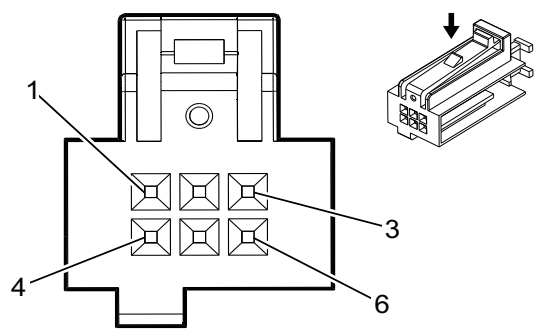
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

M4 Air Inlet Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	22	GY	3173	Air Inlet Door Stepper Motor Control 1	I	—
2	22	BK	7572	HVAC Motor Control	I	—
3	22	D-BU/WH	3174	Air Inlet Door Stepper Motor Control 2	I	—
4	22	BN/D-GN	3175	Air Inlet Door Stepper Motor Control 3	I	—
5	—	—	—	Not Occupied	—	—
6	22	RD/D-GN	3176	Air Inlet Door Stepper Motor Control 4	I	—

M6 Air Temperature Door Actuator



2220563

Connector Part Information

Harness Type: HVAC
OEM Connector: 1519302
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F Micro-Quadlock Series (BK)

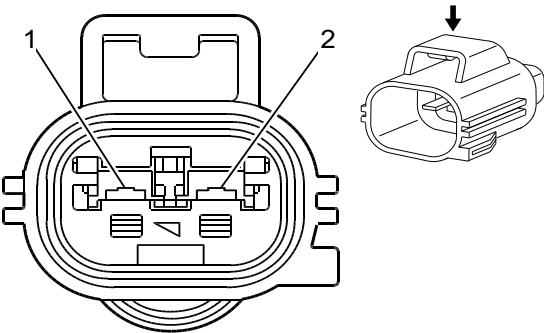
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

M6 Air Temperature Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	22	D-GN	3169	Temp Door Stepper Motor Control 1	I	—
2	22	BK	7572	HVAC Motor Control	I	—
3	22	WH/PK	3170	Temp Door Stepper Motor Control 2	I	—
4	22	GY/RD	3171	Temp Door Stepper Motor Control 3	I	—
5	—	—	—	Not Occupied	—	—
6	22	RD/BK	3172	Temp Door Stepper Motor Control 4	I	—

M9 Brake Booster Pump Motor



1826248

Connector Part Information

Harness Type: Engine
OEM Connector: 7282-5575-10
Service Connector: 19115602
Description: 2-Way M 2.8 Series, Sealed (D-GY)

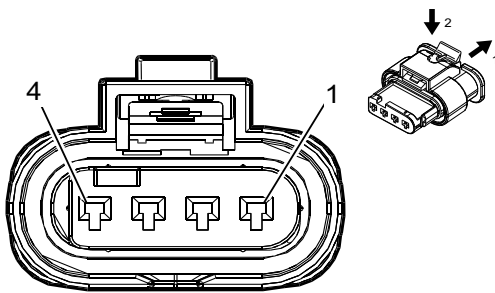
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M9 Brake Booster Pump Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BN/VT	1470	Brake Booster Pump Motor Control	I	—
2	2.5	BK	1450	Ground	I	—

M26 Front Axle Engagement Actuator



4249158

Connector Part Information

Harness Type: Power Steering
OEM Connector: 4-2272005-1
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 MCON Series (BK)

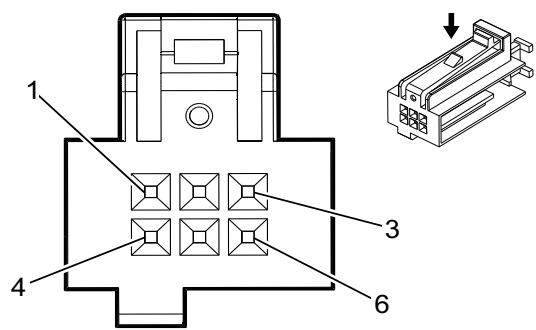
Terminal Part Information

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

M26 Front Axle Engagement Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	—
2	0.5	GY/BK	1570	Front Axle Actuator Control	I	—
3	0.5	YE/WH	1695	Four Wheel Drive Wheel Lock Indicator Control	I	—
4	0.75	BK	1450	Ground	I	—

M37 Mode Door Actuator



2220563

Connector Part Information

Harness Type: HVAC
OEM Connector: 1519302
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F Micro-Quadlock Series (BK)

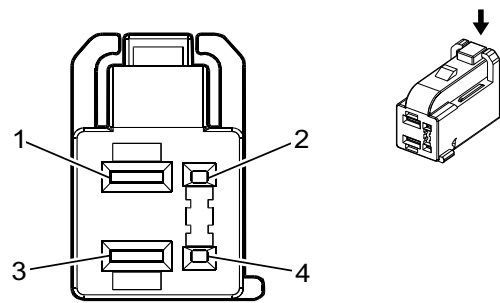
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

M37 Mode Door Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	22	YE	3165	Mode Door Stepper Motor Control 1	I	—
2	22	BK	7572	HVAC Motor Control	I	—
3	22	WH/RD	3166	Mode Door Stepper Motor Control 2	I	—
4	22	GY/BN	3167	Mode Door Stepper Motor Control 3	I	—
5	—	—	—	Not Occupied	—	—
6	22	D-GN/WH	3168	Mode Door Stepper Motor Control 4	I	—

M51D Seat Horizontal Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

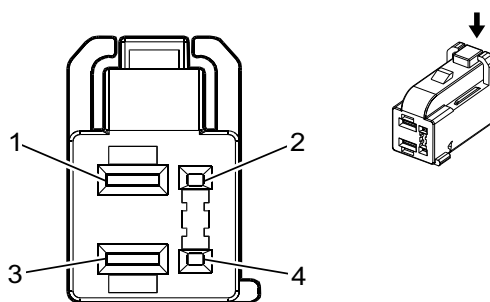
Terminal Part Information

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

M51D Seat Horizontal Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/BU	285	Driver Power Seat Horizontal Motor Forward Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	GY/GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	—
4	—	—	—	Not Occupied	—	—

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M51P Seat Horizontal Motor - Passenger (AAQ)

3683652

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 3-023-66-52

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way F 0.64, 2.8 Series (BN)

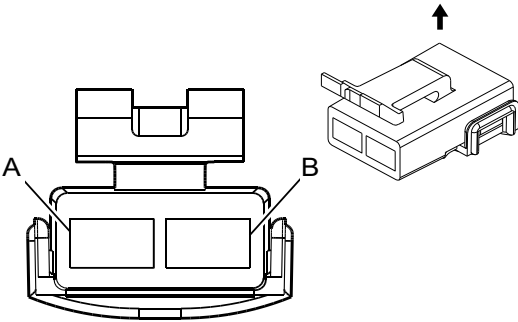
Terminal Part Information

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

M51P Seat Horizontal Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	YE/BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	—
4	—	—	—	Not Occupied	—	—

M52D Seat Lumbar Support Horizontal Motor - Driver (AL9)



130707

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: 12020556
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 480 Metri-Pack Series (BK)

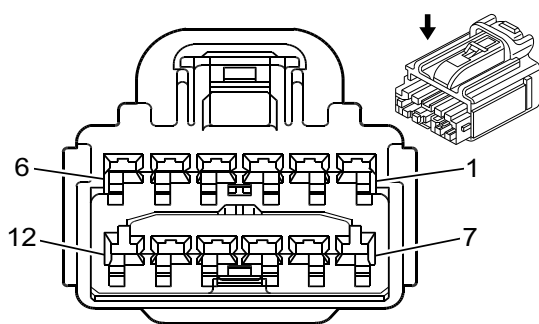
Terminal Part Information

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

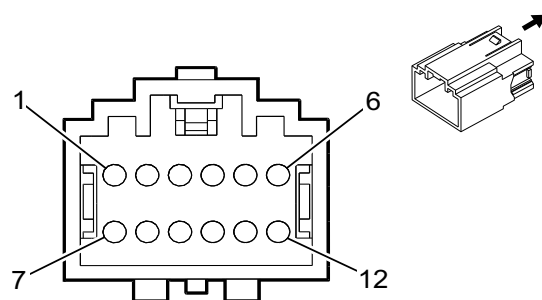
M52D Seat Lumbar Support Horizontal Motor - Driver (AL9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	—
B	1.5	BU	611	Driver Power Seat Lumbar Motor Forward Control	I	—

M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ)



1856789



3240100

Connector Part Information

Harness Type: Right Rear Door
 OEM Connector: 7283-3442-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
 OEM Connector: 7282-3442-40
 Service Connector: 88988266
 Description: 12-Way M 1.5 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-3 (GY)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

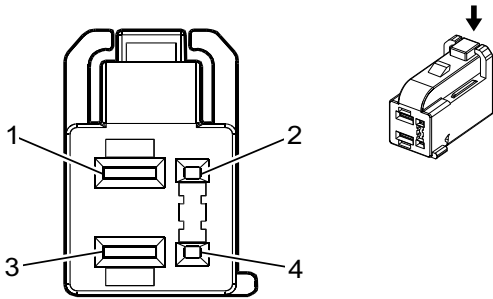
M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	OG/BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	2	0.35	OG/BN	3479	III	—
3	0.5	OG/L-GN	3475	I	—	Passenger Seat Belt Retractor Pretensioner High Control	3	0.35	OG/L-GN	3475	III	—
4	1	L-BU/BK	115	I	—	Right Rear Speaker Signal (-)	4	1	L-BU/BK	115	II	—
5	0.35	GY	748	I	—	Right Rear Door Ajar Switch Signal	5	0.35	GY	748	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

M52P Seat Lumbar Support Horizontal Motor - Passenger (AAQ) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	GY/OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	8	0.35	GY/OG	3480	III	—
9	0.5	WH/OG	3476	I	—	Passenger Seat Belt Retractor Pretensioner Low Control	9	0.35	WH/OG	3476	III	—
10	1	WH	46	I	—	Right Rear Speaker Control (+)	10	1	WH	46	II	—
11	0.35	BK	3450	I	—	Ground	11	0.5	BK	3450	II	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—

M55D Seat Rear Vertical Motor - Driver



3683652

Connector Part Information

Harness Type: Driver Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

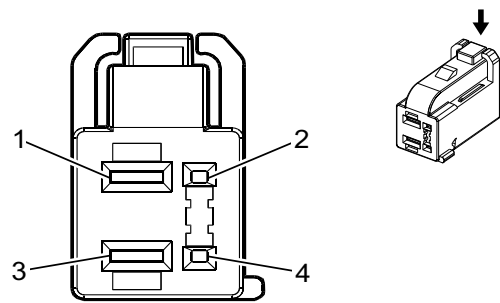
Terminal Part Information

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

M55D Seat Rear Vertical Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	—
4	—	—	—	Not Occupied	—	—

M55P Seat Rear Vertical Motor - Passenger (AAQ)



3683652

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 3-023-66-52
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 0.64, 2.8 Series (BN)

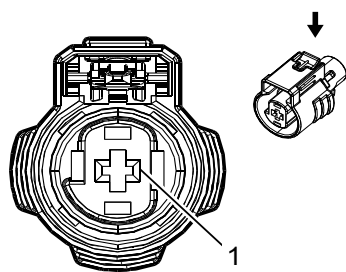
Terminal Part Information

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

M55P Seat Rear Vertical Motor - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	—
2	—	—	—	Not Occupied	—	—
3	1.5	BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	—
4	—	—	—	Not Occupied	—	—

M64 Starter Motor X1



2717134

Connector Part Information

Harness Type: Engine
OEM Connector: 2098198-5
Service Connector: 19300471
Description: 1-Way F 2.8 MCP Series, Sealed (BK)

Terminal Part Information

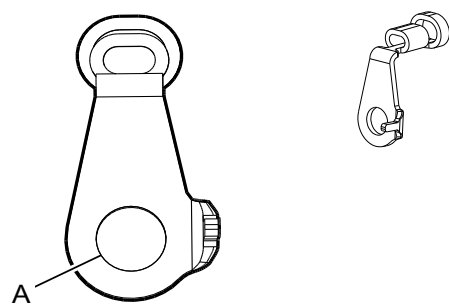
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE	6	Starter Solenoid Crank Ignition Voltage	I	LCV
	2.5	YE	6	Starter Solenoid Crank Ignition Voltage	II	LGZ
	2	YE	6	Starter Solenoid Crank Ignition Voltage	I	LWN

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M64 Starter Motor X2 (LCV)



4069640

Connector Part Information

Harness Type: Battery Cable
OEM Connector: BBS18185
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

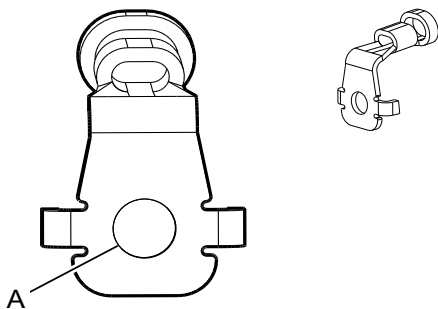
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor X2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD/YE	2	Battery Positive Voltage	I	—

cardiagn.com

M64 Starter Motor X2 (LGZ)



4069670

Connector Part Information

Harness Type: Starter Cable
OEM Connector: BBS47641
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

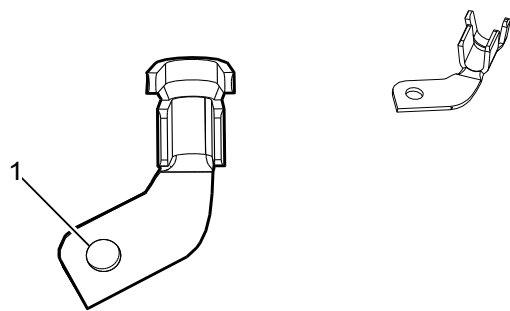
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor X2 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD/YE	2	Battery Positive Voltage	I	—

cardiagn.com

M64 Starter Motor X2 (LWN)



4293880

Connector Part Information

Harness Type: Starter Cable
OEM Connector: BBS17174
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

M64 Starter Motor X2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
A	50	RD/YE	2	Battery Positive Voltage	I	—

cardiagn.com

M73A Seat Blower Motor - Driver Back (KU1)**Connector Part Information**

Harness Type: Drivers Seat Back

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way

Terminal Part Information

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

M73A Seat Blower Motor - Driver Back (KU1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	I	—
2	0.5	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
3	0.5	BK	2150	Ground	I	—

M73B Seat Blower Motor - Passenger Back (KU3)

Connector Part Information

Harness Type: Passenger Seat Back

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way

Terminal Part Information

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

M73B Seat Blower Motor - Passenger Back (KU3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	I	—
2	0.5	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
3	0.5	BK	2250	Ground	I	—

M73C Seat Blower Motor - Driver Cushion (KU1)**Connector Part Information**

Harness Type: Driver Seat Cushion

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way

Terminal Part Information

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

M73C Seat Blower Motor - Driver Cushion (KU1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	I	—
2	0.5	GN/VT	5906	Driver Seat Vent Motor Control 1	I	—
3	0.5	BK	2150	Ground	I	—

M73D Seat Blower Motor - Passenger Cushion (KU3)

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way

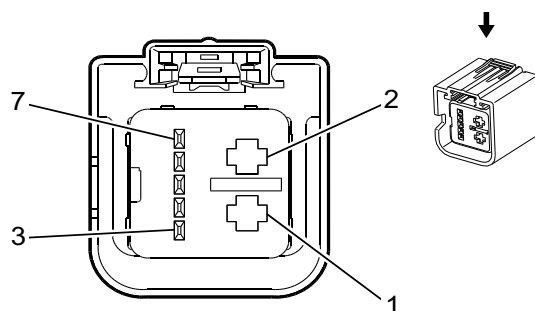
Terminal Part Information

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

M73D Seat Blower Motor - Passenger Cushion (KU3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	I	—
2	0.5	VT/WH	5908	Passenger Seat Vent Motor Control 1	I	—
3	0.5	BK	2250	Ground	I	—

M74D Window Motor - Driver



2282932

Connector Part Information

Harness Type: Driver Door

OEM Connector: 1-1732115-1

Service Connector: Service by Harness - See Part Catalog

Description: 7-Way F 0.64, 2.8 Kaizen Timer Series, Sealed (GY)

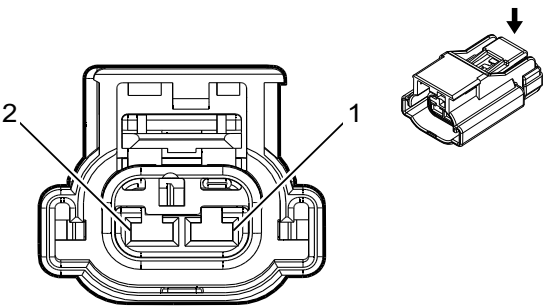
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74D Window Motor - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	3550	Ground	I	—
2	2.5	RD/L-BU	1240	Battery Positive Voltage	I	—
3	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	II	—
4	0.5	L-GN/YE	6134	Local Interconnect Network Serial Data Bus 3	II	—
5	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	II	—
6	0.35	GY	745	Left Front Door Ajar Switch Signal	II	—
7	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	II	—

M74LR Window Motor - Left Rear (Crew Cab)



2716333

Connector Part Information

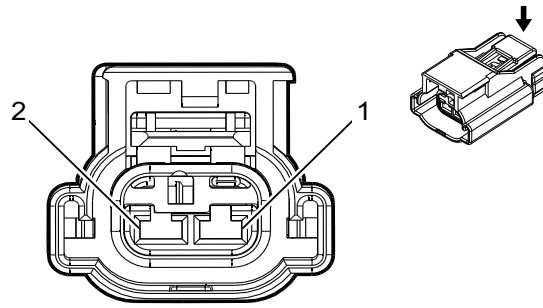
Harness Type: Left Rear Door
OEM Connector: 54200220N
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74LR Window Motor - Left Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	L-BU/VT	668	Power Window Motor Left Rear Up Control	I	—
2	2.5	YE/L-BU	669	Power Window Motor Left Rear Down Control	I	—

M74P Window Motor - Passenger

2716333

Connector Part Information

Harness Type: Passenger Door

OEM Connector: 54200220N

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 2.8 Series, Sealed (BK)

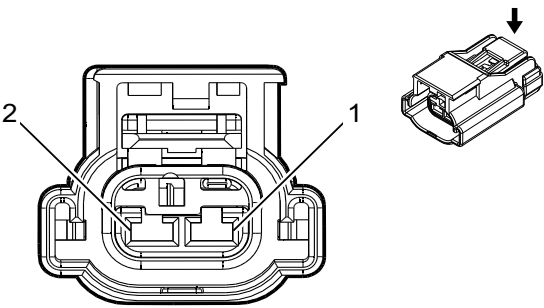
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74P Window Motor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	YE/L-BU	3388	Power Window Motor Passenger Down Control	I	—
2	2.5	L-GN/GY	3387	Power Window Motor Passenger Up Control	I	—

M74RR Window Motor - Right Rear



2716333

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 54200220N
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

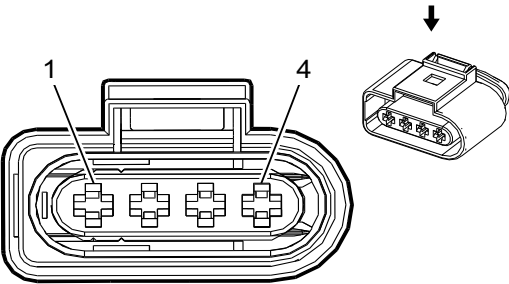
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M74RR Window Motor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	L-BU/GY	670	Power Window Motor Right Rear Up Control	I	—
2	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	I	—

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M75 Windshield Wiper Motor



2474722

Connector Part Information

Harness Type: Body
OEM Connector: 638245-2
Service Connector: 88987987
Description: 4-Way F Junior Power Timer Series (BK)

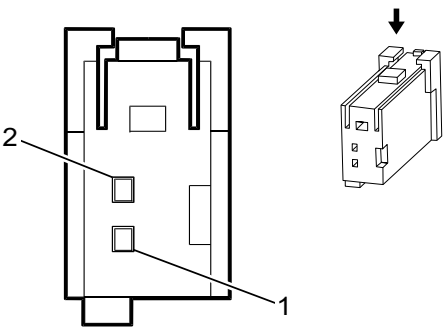
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M75 Windshield Wiper Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	I	—
2	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	I	—
3	1.5	BK	3150	Ground	I	—
4	1.5	WH	92	Windshield Wiper Motor High Speed Control	I	—

M93 Key Capture Solenoid Actuator



2173598

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-02A-1AK
Service Connector: 13314093
Description: 2-Way F 0.64 Series (BK)

Terminal Part Information

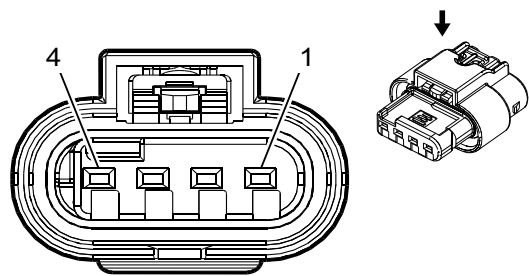
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M93 Key Capture Solenoid Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/YE	143	Accessory Ignition Voltage	I	—
2	0.35	BK	2050	Ground	I	—

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M96A Active Grille Air Shutter 1 Actuator



2596543

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13576420
Service Connector: Not Available
Description: 4-Way F 1.2 MCP Series, Sealed (BK)

Terminal Part Information

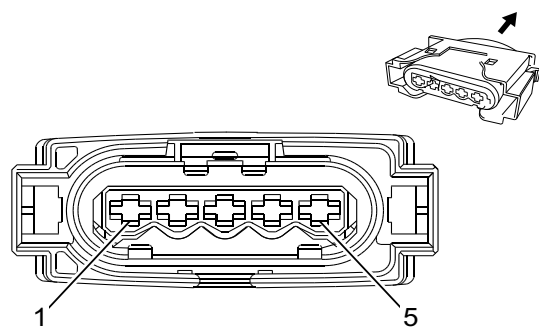
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

M96A Active Grille Air Shutter 1 Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/VT	4333	Aero Shutter Actuator Control	I	—
2	0.5	GY	3890	Aero Shutter Control 2	I	—
3	—	—	—	Not Occupied	—	—
4	0.75	BK	1250	Ground	I	—

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M103 Turbocharger Vane Position Actuator



3794114

Connector Part Information

Harness Type: Engine
OEM Connector: 09-4415-81
Service Connector: -
Description: 5-Way F 2.8 SLK Series (BK)

Terminal Part Information

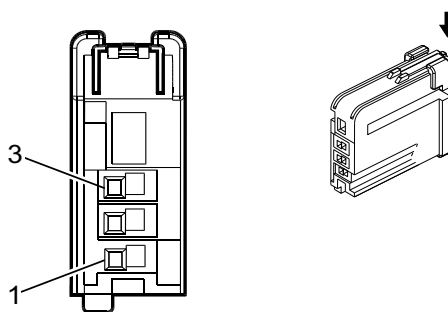
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

M103 Turbocharger Vane Position Actuator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5930	Variable Nozzle Turbo Solenoid High Signal	I	—
2	0.5	WH/BK	5931	Variable Nozzle Turbo Solenoid Low Signal	I	—
3	0.5	BK/BN	5929	Variable Nozzle Turbo Position Sensor Low Reference	I	—
4	0.5	VT/YE	5947	Variable Nozzle Turbo Position Sensor Signal	I	—
5	0.5	GY/RD	5928	Variable Nozzle Turbo Position Sensor 5V Reference	I	—

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P2 Transmission Shift Lever Position Indicator



2831062

Connector Part Information

Harness Type: Floor Console

OEM Connector: AIT2PB-03B-1AK

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F 0.64 Series (BK)

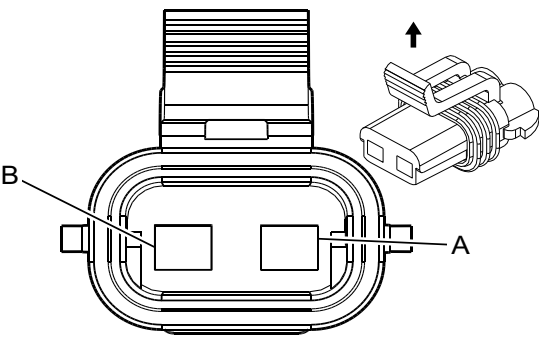
Terminal Part Information

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

P2 Transmission Shift Lever Position Indicator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT	801	Retained Accessory Power Fuse Control	I	—
2	0.5	L-GN/L-BU	6133	Local Interconnect Network Serial Data Bus 2	I	—
3	0.35 0.5	BK BK	2050 2050	Ground Ground	I I	(M5T/MYB)-K4C K4C+(M5T/MYB)

P3 Backup Alarm



68721

Connector Part Information

Harness Type: Chassis
OEM Connector: 15300027
Service Connector: -
Description: 2-Way F 280 Metri-Pack Series, Sealed (BK)

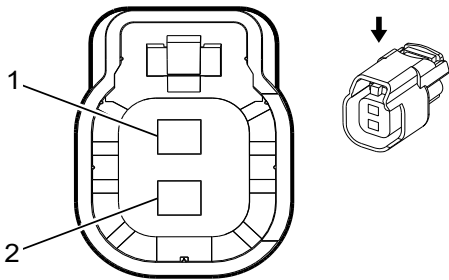
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P3 Backup Alarm

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	GY	1624	Trailer Backup Lamp Control	I	—
B	0.75	BK	22	Trailer Ground	I	—

P13 Horn Assembly



2422378

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 34062-0028
Service Connector: 13579002
Description: 2-Way F 1.5 Series, Sealed (BK)

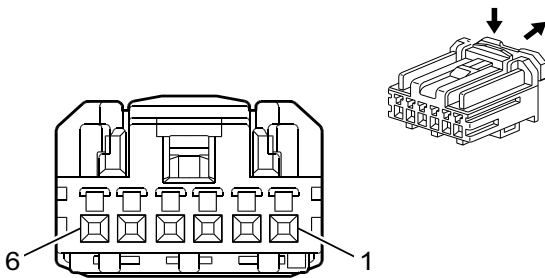
Terminal Part Information

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

P13 Horn Assembly

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1150	Ground	I	—
2	0.75	BN/GY	29	Horn Control	I	—

P14 Passenger Air Bag Disabled Indicator



4650256

Connector Part Information

Harness Type: Headliner
OEM Connector: HCMPB-C06A-S
Service Connector: 19367172
Description: 6-Way F 0.64 HCM Series (NA)

Terminal Part Information

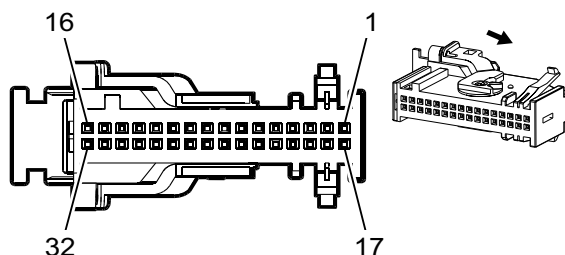
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P14 Passenger Air Bag Disabled Indicator

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU	2307	Passenger Air Bag On Indicator Control	I	—
2	0.5	BK	3150	Ground	I	—
3	0.35	L-GN	2308	Passenger Air Bag Off Indicator Control	I	—
4	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
5	0.35	VT/WH	5234	Passenger Seat Belt Indicator Control	I	—
6	—	—	—	Not Occupied	—	—

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P16 Instrument Cluster (UDC)



627214

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2-2236674-1

Service Connector: -

Description: 32-Way F 0.64 Micro-Quadlock Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575584	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575587	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	13575859	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

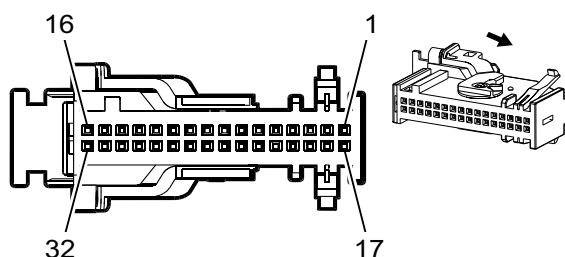
P16 Instrument Cluster (UDC)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	III	—
4 - 6	—	—	—	Not Occupied	—	—
7	0.5	RD/GY	2840	Battery Positive Voltage	III	—
8	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	III	—
9	0.35	GY/L-BU	893	Driver Information Center Select Menu Switch Signal	I	—
10 - 12	—	—	—	Not Occupied	—	—
13	0.35	BK/BN	897	Driver Information Center Switch Low Reference	I	—
14	0.35	L-GN/WH	1358	Driver Information Center Switch Signal	I	—
15	—	—	—	Not Occupied	—	—
16	0.35	BN/WH	419	Check Engine Indicator Control	I	—
17 - 18	—	—	—	Not Occupied	—	—
19	0.5	BK/WH	2151	Signal Ground	III	—
20	0.5	L-GN/BK	3894	Local Interconnect Network Serial Data Bus 12	III	—
21 - 23	—	—	—	Not Occupied	—	—
24	0.35	VT	185	Low Washer Fluid Indicator Control	II	—
25 - 31	—	—	—	Not Occupied	—	—

P16 Instrument Cluster (UDC) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
32	0.35	L-GN/BN	507	Wait To Start Indicator Control	II	—

P16 Instrument Cluster (UDD)



627214

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2-2236674-1

Service Connector: -

Description: 32-Way F 0.64 Micro-Quadlock Series (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575584	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	13575587	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	13575859	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

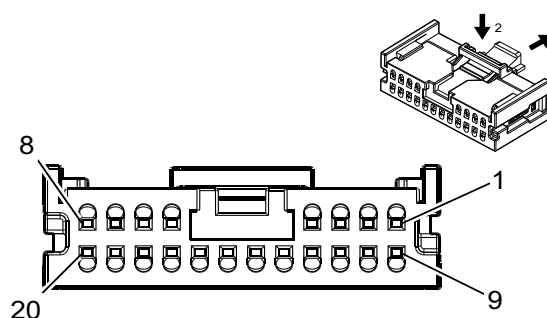
P16 Instrument Cluster (UDD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY/L-BU	7217	Ethernet Bus 7 (+)	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	III	—
4 - 6	—	—	—	Not Occupied	—	—
7	0.5	RD/GY	2840	Battery Positive Voltage	III	—
8	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	III	—
9 - 11	—	—	—	Not Occupied	—	—
12	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	—
13 - 15	—	—	—	Not Occupied	—	—
16	0.35	BN/WH	419	Check Engine Indicator Control	I	—
17	0.35	BN/L-BU	7216	Ethernet Bus 7 (-)	I	—
18	—	—	—	Not Occupied	—	—
19	0.5	BK/WH	2151	Signal Ground	III	—
20	0.5	L-GN/BK	3894	Local Interconnect Network Serial Data Bus 12	III	—
21 - 23	—	—	—	Not Occupied	—	—
24	0.35	VT	185	Low Washer Fluid Indicator Control	I	—
25 - 29	—	—	—	Not Occupied	—	—

P16 Instrument Cluster (UDD) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
30	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	II	—
31	—	—	—	Not Occupied	—	—
32	0.35	L-GN/BN	507	Wait To Start Indicator Control	I	—

P17 Info Display Module X1 (IOR)



4231339

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 34824-2200

Service Connector: 13596105

Description: 20-Way F Mini 50 Series (BK)

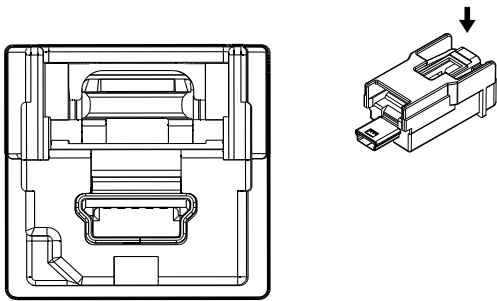
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19333221	EL-35616-58 (BK)	J-38125-553	Not Available	Not Available	Not Available	Not Available

P17 Info Display Module X1 (IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU/RD	2807	Radio Keypad Voltage Reference	I	—
2	0.35	GY/L-BU	2803	Radio Display Touch Interrupt Request Signal	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	L-BU	4315	Radio Volume Up Signal	I	—
5	0.35	GY/BN	4314	Radio Volume Down Signal	I	—
6	0.35	BN/WH	2809	Radio Keypad Power Signal	I	—
7	0.35	VT/WH	2810	Radio Keypad Button Signal	I	—
8	0.35	L-BU/GY	2808	Radio Keypad Dimming Control	I	—
9	0.35	L-BU/L-GN	2813	Radio Display Backlight Dimming Control	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	BK/L-GN	2804	Radio Display Backlight Low Reference	I	—
12	0.35	L-BU/RD	2807	Radio Keypad Voltage Reference	I	—
13	—	—	—	Not Occupied	—	—
14	0.35	L-BU	4315	Radio Volume Up Signal	I	—
15	0.35	GY/BN	4314	Radio Volume Down Signal	I	—
16	0.35	BN/WH	2809	Radio Keypad Power Signal	I	—
17	0.35	VT/WH	2810	Radio Keypad Button Signal	I	—
18	0.35	L-BU/GY	2808	Radio Keypad Dimming Control	I	—
19	0.35	GY/VT	3363	Navigation Display Dimming Control	I	—
20	0.35	BK/YE	2806	Radio Keypad Low Reference	I	—

P17 Info Display Module X2 (IOR)



2807491

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13580203
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

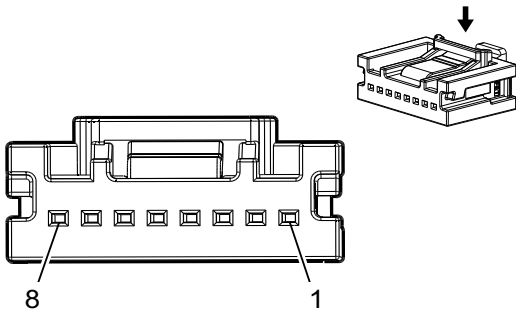
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X2 (IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

P17 Info Display Module X1 (IOS/IOT)



4017639

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 34791-5180
Service Connector: 19354223
Description: 8-Way F Mini 50 Series (BK)

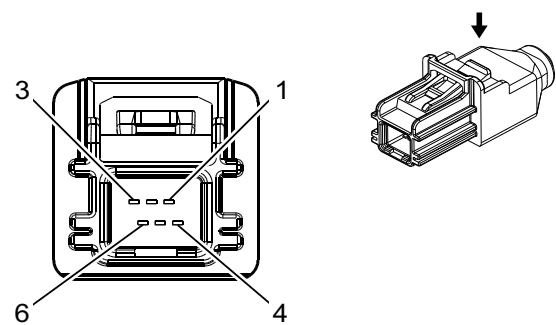
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	EL-35616-58 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X1 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	—
2 - 7	—	—	—	Not Occupied	—	—
8	0.35	BK/WH	2051	Signal Ground	I	—

P17 Info Display Module X2 (IOS/IOT)



4806625

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 100337-1020
Service Connector: -
Description: 6-Way M HSAL-2 Series (BK)

Terminal Part Information

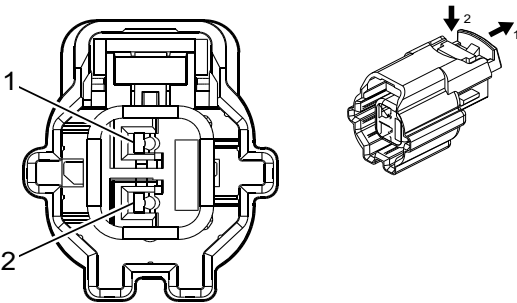
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

P17 Info Display Module X2 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	Bare	3365	Navigation Display Low Reference	I	—
2	0.35	L-BU	3366	Navigation Display Signal (+)	I	—
3	0.35	BN	3367	Navigation Display Signal (-)	I	—
4 - 6	—	—	—	Not Occupied	—	—

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P19AG Speaker - Left Front Door



4840334

Connector Part Information

Harness Type: Driver Door
OEM Connector: 148032-0005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 MX Series (BK)

Terminal Part Information

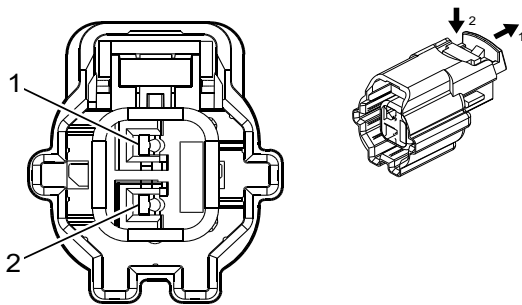
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AG Speaker - Left Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BN/L-BU	118	Left Front Speaker Signal (-) 1	I	—
2	1	L-BU	201	Left Front Speaker Control (+) 1	I	—

cardiagn.com

P19AH Speaker - Right Front Door



4840334

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 148032-0005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 MX Series (BK)

Terminal Part Information

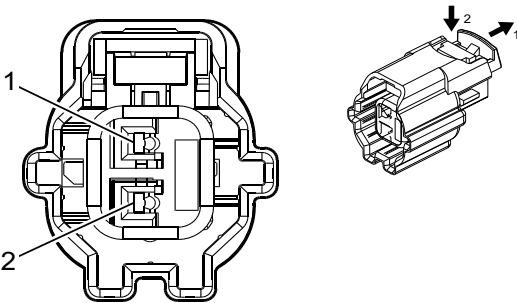
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19AH Speaker - Right Front Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
2	1	YE	200	Right Front Speaker Control (+) 1	I	—

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P19AL Speaker - Left Rear Door



4840334

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 148032-0005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 MX Series (BK)

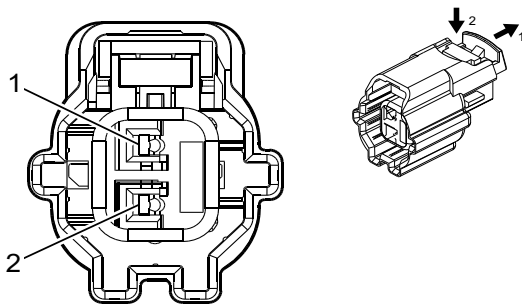
Terminal Part Information

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

P19AL Speaker - Left Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	—
2	1	L-GN	199	Left Rear Speaker Control (+)	I	—

P19AM Speaker - Right Rear Door



4840334

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 148032-0005
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 MX Series (BK)

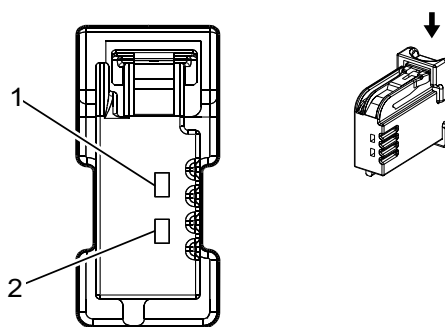
Terminal Part Information

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

P19AM Speaker - Right Rear Door

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	L-BU/BK	115	Right Rear Speaker Signal (-)	I	—
2	1	WH	46	Right Rear Speaker Control (+)	I	—

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P19B Speaker - Center Instrument Panel (UQA)

2179775

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 6098-5527

Service Connector: -

Description: 2-Way F 1.5 Series (GY)

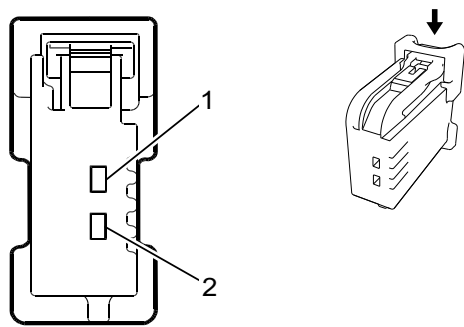
Terminal Part Information

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

P19B Speaker - Center Instrument Panel (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-BU/YE	1960	Front Center Speaker (-) Low Reference	I	—
2	0.75	YE/WH	1860	Front Center Speaker Control (+)	I	—

P19H Speaker - Left Front Tweeter (UQ3)



2173586

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5510
Service Connector: 13584097
Description: 2-Way F 1.5 Series (BK)

Terminal Part Information

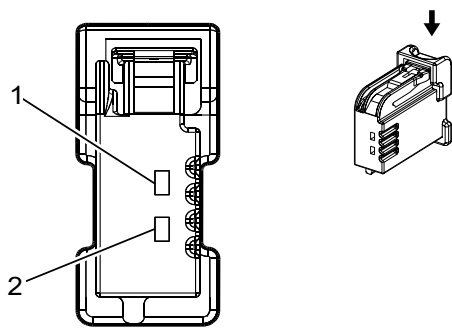
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19H Speaker - Left Front Tweeter (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/L-BU	118	Left Front Speaker Signal (-) 1	I	—
2	0.75	L-BU	201	Left Front Speaker Control (+) 1	I	—

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P19H Speaker - Left Front Tweeter (UQA)



2179775

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5527
Service Connector: -
Description: 2-Way F 1.5 Series (GY)

Terminal Part Information

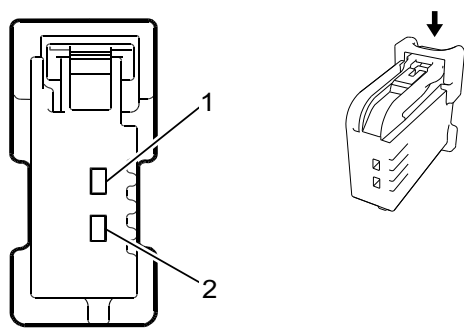
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19H Speaker - Left Front Tweeter (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	YE/L-BU	1856	Left Front Tweeter Speaker Control (+)	I	—

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P19V Speaker - Right Front Tweeter (UQ3)



2173586

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-5510
Service Connector: 13584097
Description: 2-Way F 1.5 Series (BK)

Terminal Part Information

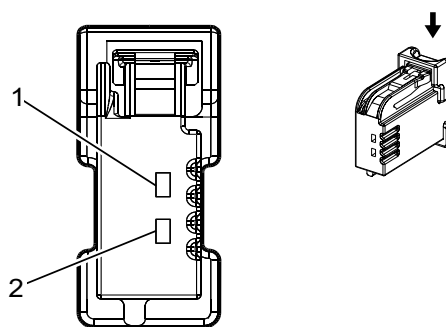
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P19V Speaker - Right Front Tweeter (UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
2	0.75	YE	200	Right Front Speaker Control (+) 1	I	—

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P19V Speaker - Right Front Tweeter (UQA)



2179775

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 6098-5527

Service Connector: -

Description: 2-Way F 1.5 Series (GY)

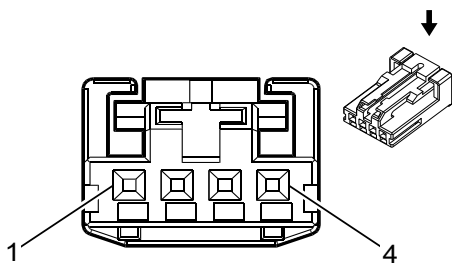
Terminal Part Information

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

P19V Speaker - Right Front Tweeter (UQA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—
2	0.75	BN/L-GN	1852	Right Front Tweeter Speaker Control (+)	I	—

P43 Collision Alert Indicators



2717162

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 936119-1
Service Connector: 13587297
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

Terminal Part Information

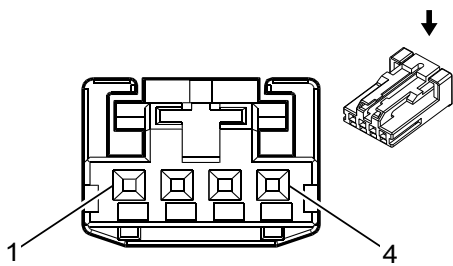
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

P43 Collision Alert Indicators

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	—
2	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	—
3	0.35	WH/L-GN	3535	Reflected LED Display Dimming Control	I	—
4	0.35	BK/WH	2151	Signal Ground	I	—

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P43 Collision Alert Indicators



2717162

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 0-936119-1
Service Connector: -
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

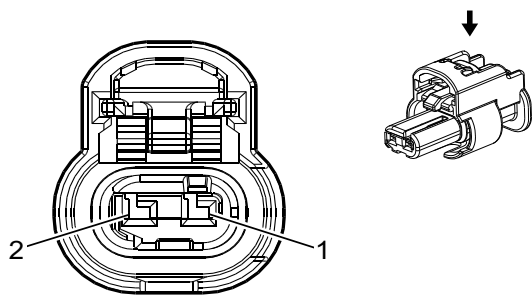
Terminal Part Information

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

P43 Collision Alert Indicators

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	—
2	0.35	GY/YE	3885	Forward Collision Alert LED Control	I	—
3	0.35	WH/GN	3535	Reflected LED Display Dimming Control	I	—
4	0.35	BK/WH	2151	Signal Ground	I	—

Q2 A/C Compressor Clutch



4649903

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-1
Service Connector: -
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

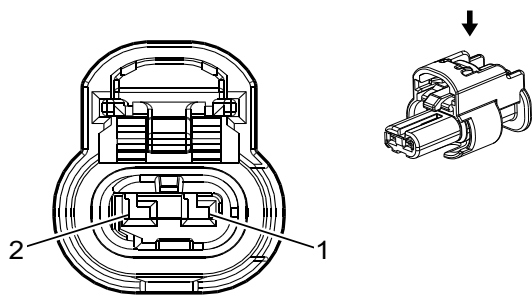
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q2 A/C Compressor Clutch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	1450	Ground	I	—
2	0.75	BN/L-GN	59	A/C Compressor Clutch Control	I	—

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Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

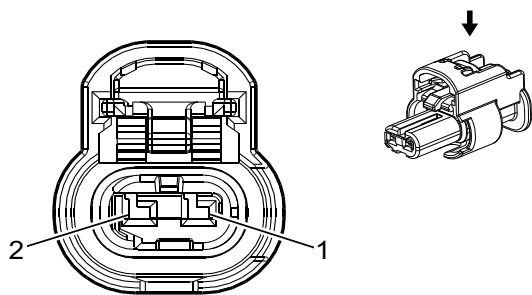
Terminal Part Information

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

Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid 1	I	—
2	0.5	BK/VT	6754	Cam Phaser X Low Reference	I	—

Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

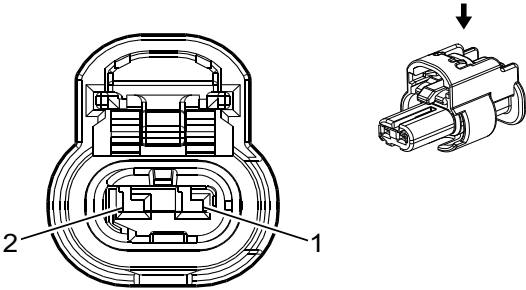
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	I	—
2	0.5	BK/BN	6753	Cam Phaser W Low Reference	I	—

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Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

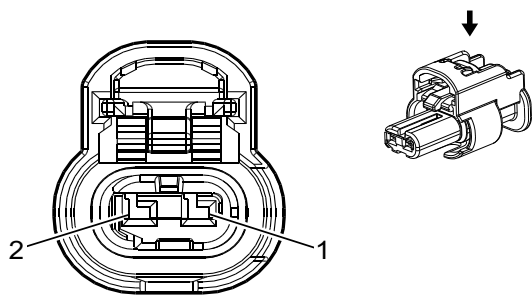
Terminal Part Information

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

Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/BN	5283	Camshaft Phaser Exhaust Solenoid 2	I	—
2	0.5	BK/GY	6756	Cam Phaser Z Low Reference	I	—

Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

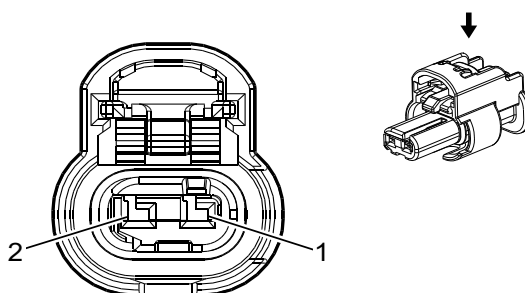
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5272	Camshaft Phaser Intake Solenoid 2	I	—
2	0.5	BK/L-BU	6755	Cam Phaser Y Low Reference	I	—

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Q6E Camshaft Position Actuator Solenoid Valve - Exhaust



4649903

Connector Part Information

Harness Type: Engine

OEM Connector: 1-2296694-1

Service Connector: -

Description: 2-Way F 1.2 MCON Series, Sealed (BK)

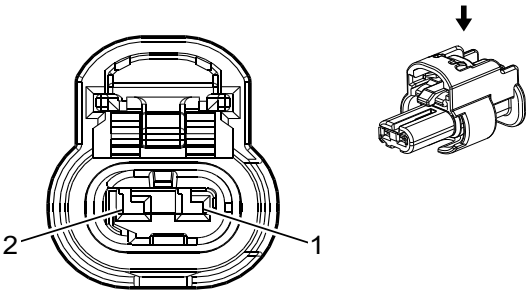
Terminal Part Information

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

Q6E Camshaft Position Actuator Solenoid Valve - Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid 1	I	—
2	0.5	BK/VT	6754	Cam Phaser X Low Reference	I	—

Q6F Camshaft Position Actuator Solenoid Valve - Intake



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

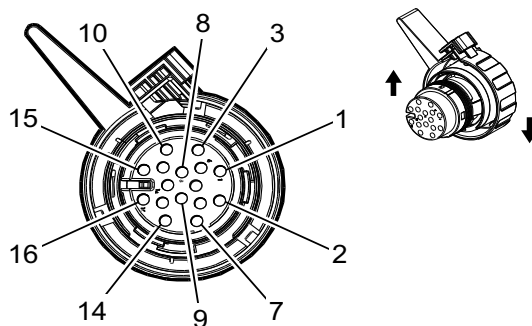
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q6F Camshaft Position Actuator Solenoid Valve - Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	I	—
2	0.5	BK/BN	6753	Cam Phaser W Low Reference	I	—

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Q8 Control Solenoid Valve Assembly X1



3277917

Connector Part Information

Harness Type: Engine

OEM Connector: 9430734

Service Connector: -

Description: 16-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578920	J-35616-66 (YE)	J-38125-28	2 21 24 47220 0	Yazaki 12	E	1

Q8 Control Solenoid Valve Assembly X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	I	—
4	0.75	RD/L-GN	1840	Battery Positive Voltage	I	—
5	0.75	BK/WH	1451	Signal Ground	I	—
6 - 8	—	—	—	Not Occupied	—	—
9	0.5	VT/YE	5985	Accessory Wakeup Serial Data	I	—
10	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
11	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
12	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	I	—
13	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
14	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
15 - 16	—	—	—	Not Occupied	—	—

Q8 Control Solenoid Valve Assembly X2 (MYB)**Connector Part Information**

Harness Type: Transmission

OEM Connector: 89046635

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way

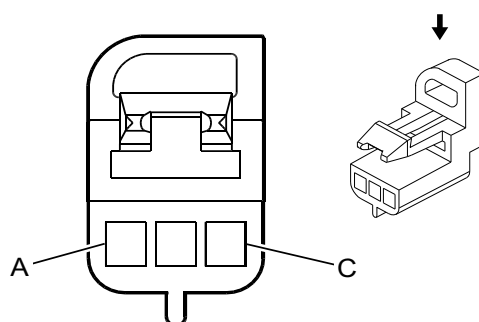
Terminal Part Information

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

Q8 Control Solenoid Valve Assembly X2 (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GY	—	Ground	I	—
B	0.35	BK	—	Transmission Range Switch Signal P	I	—
C	0.35	YE	—	Transmission Range Switch Signal C	I	—
D	0.35	RD	—	Transmission Range Switch Signal B	I	—
E	0.35	GN	—	Transmission Range Switch Signal A	I	—
F	0.35	WH	—	Park/Neutral Switch Signal	I	—

Q8 Control Solenoid Valve Assembly X3 (MYB)



2334125

Connector Part Information

Harness Type: Transmission

OEM Connector: 13539487

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F 150 Metri-Pack Series (BK)

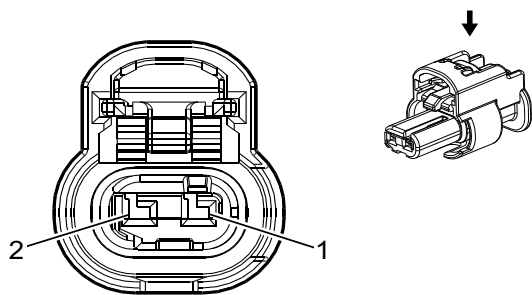
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q8 Control Solenoid Valve Assembly X3 (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	GN	—	Input Speed Sensor (ISS) Signal	I	—
B	0.35	RD	—	ISS/OSS Supply Voltage	I	—
C	0.35	BK	—	Output Speed Sensor (OSS) Signal	I	—

Q9F Differential Lock Actuator - Front



4649903

Connector Part Information

Harness Type: Power Steering
OEM Connector: 1-2296694-1
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

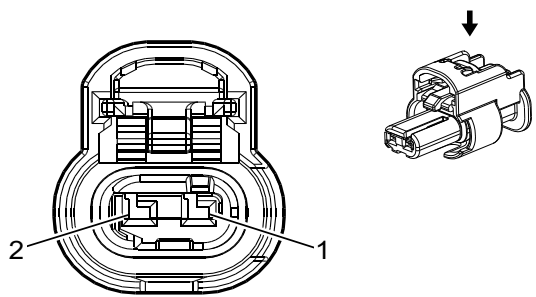
Terminal Part Information

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

Q9F Differential Lock Actuator - Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	I	—
2	1	WH/BK	7254	Front Differential Lock Actuator Low Control	I	—

Q9R Differential Lock Actuator - Rear



4036662

Connector Part Information

Harness Type: Chassis
OEM Connector: 1-2203312-1
Service Connector: 19330898
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

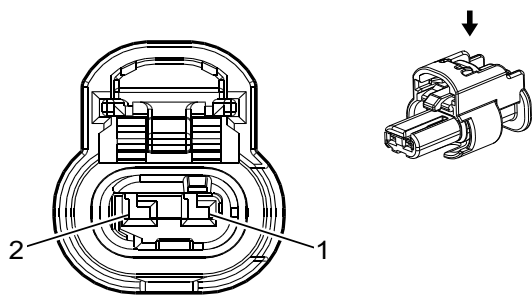
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q9R Differential Lock Actuator - Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	I	—
2	1	GY/BK	7253	Rear Differential Lock Actuator Low Control	I	—

cardiagn.com

Q9R Differential Lock Actuator - Rear



4649903

Connector Part Information

Harness Type: Chassis
OEM Connector: 1-2296694-1
Service Connector: -
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

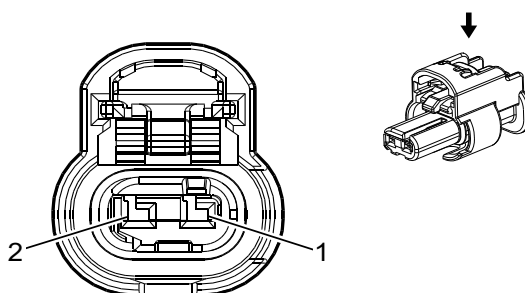
Terminal Part Information

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

Q9R Differential Lock Actuator - Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	I	—
2	1	GY/BK	7253	Rear Differential Lock Actuator Low Control	I	—

Q12 Evaporative Emission Purge Solenoid Valve



4649903

Connector Part Information

Harness Type: Engine

OEM Connector: 1-2296694-1

Service Connector: -

Description: 2-Way F 1.2 MCON Series, Sealed (BK)

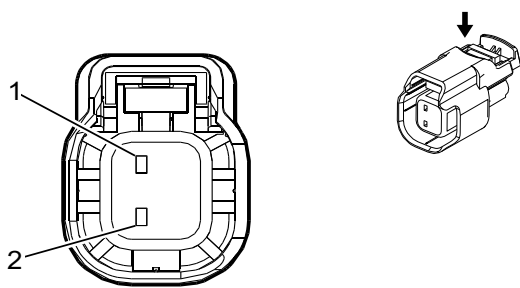
Terminal Part Information

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

Q12 Evaporative Emission Purge Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	I	—

Q13 Evaporative Emission Vent Solenoid Valve



3028817

Connector Part Information

Harness Type: Chassis
OEM Connector: 34062-4009
Service Connector: 19352404
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

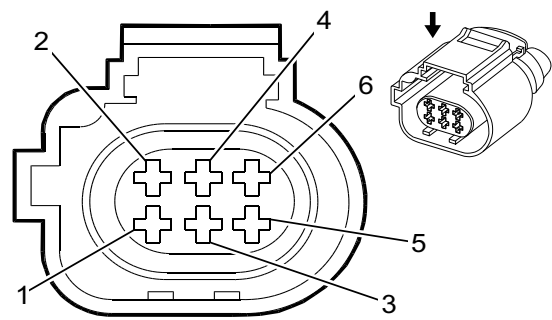
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q13 Evaporative Emission Vent Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	1310	EVAP Canister Vent Solenoid Control	I	—
2	0.5	RD/L-GN	2440	Battery Positive Voltage	I	—

cardiagn.com

Q14 Exhaust Gas Recirculation Valve



2216905

Connector Part Information

Harness Type: Engine
OEM Connector: 284716-3
Service Connector: 13586128
Description: 6-Way F 1.6 Micro-Timer Series, Sealed (BN)

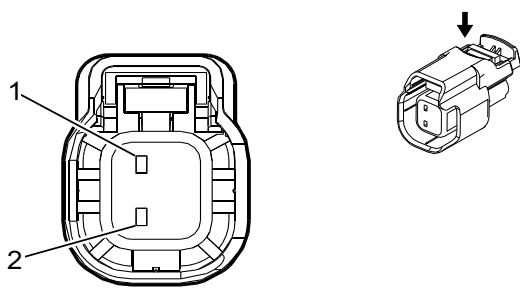
Terminal Part Information

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

Q14 Exhaust Gas Recirculation Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/VT	5764	Exhaust Gas Recirculation Valve Motor High Signal	I	—
2	0.5	BN/WH	5763	Exhaust Gas Recirculation Valve Sensor Signal	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	BK/BN	2753	Exhaust Gas Recirculation Sensor Low Reference	I	—
5	0.5	VT/BK	5746	Exhaust Gas Recirculation Valve Motor Low Signal	I	—
6	0.5	L-BU/RD	5047	Exhaust Gas Recirculation 5V Reference 1	I	—

Q17A Fuel Injector 1 (LCV)



3028817

Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

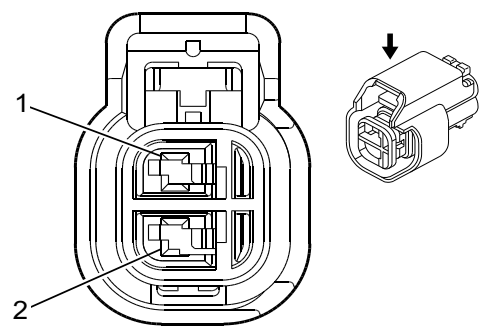
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17A Fuel Injector 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	—
2	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	—

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Q17A Fuel Injector 1 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

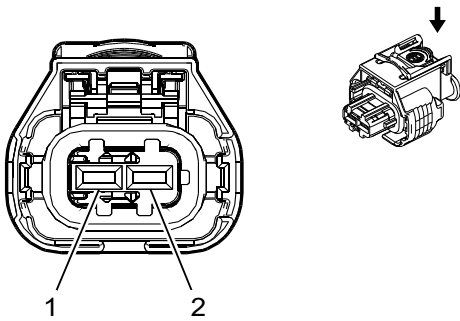
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17A Fuel Injector 1 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	—
2	0.5	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	—

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Q17A Fuel Injector 1 (LWN)



2845578

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405715
Service Connector: 19299882
Description: 2-Way F 2.8 Series, Sealed (BK)

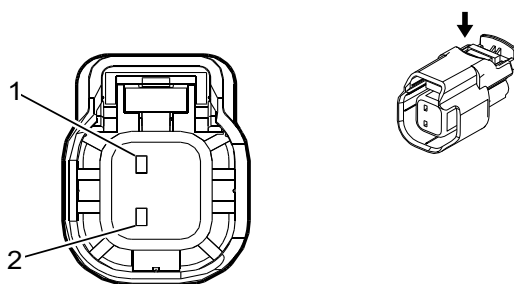
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17A Fuel Injector 1 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	I	—
2	1.5	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	I	—

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Q17B Fuel Injector 2 (LCV)

3028817

Connector Part Information

Harness Type: Fuel Rail

OEM Connector: 13503508

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 1.5 Series, Sealed (BK)

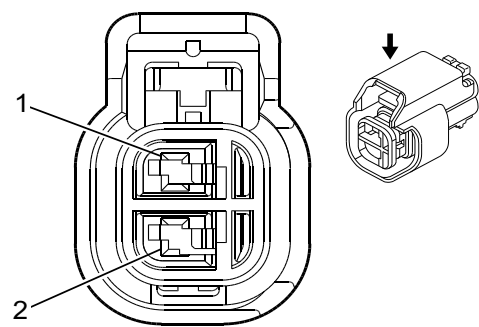
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17B Fuel Injector 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	—
2	0.75	BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	—

Q17B Fuel Injector 2 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

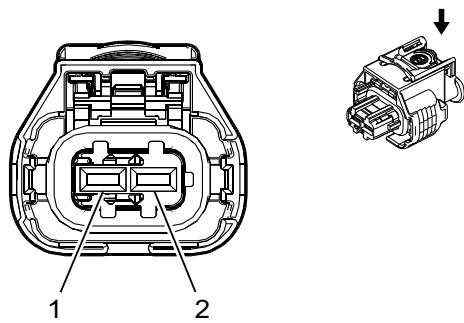
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17B Fuel Injector 2 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	—
2	0.5	BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	—

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Q17B Fuel Injector 2 (LWN)



2845578

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405715
Service Connector: 19299882
Description: 2-Way F 2.8 Series, Sealed (BK)

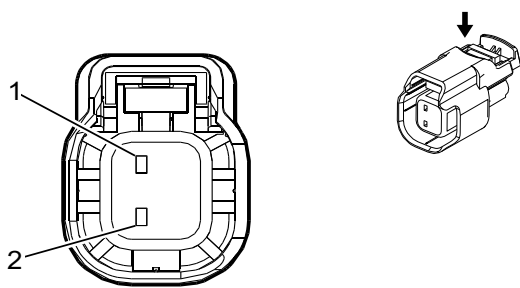
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17B Fuel Injector 2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	I	—
2	1.5	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	I	—

Q17C Fuel Injector 3 (LCV)



3028817

Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

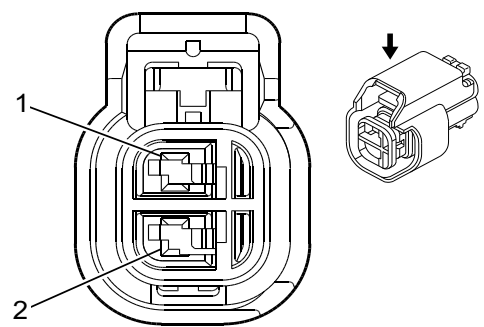
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17C Fuel Injector 3 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	—
2	0.75	GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	—

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Q17C Fuel Injector 3 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

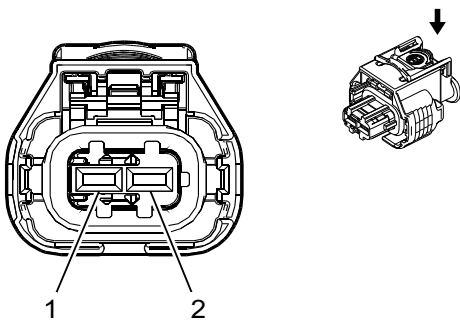
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17C Fuel Injector 3 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	—
2	0.5	GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	—

Q17C Fuel Injector 3 (LWN)



2845578

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405715
Service Connector: 19299882
Description: 2-Way F 2.8 Series, Sealed (BK)

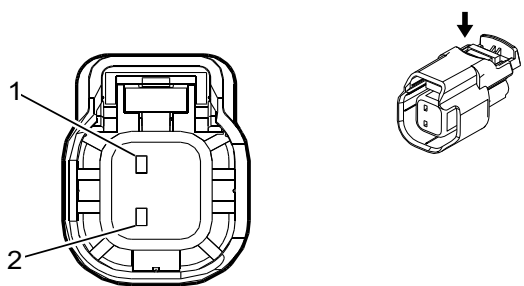
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17C Fuel Injector 3 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	I	—
2	1.5	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	I	—

Q17D Fuel Injector 4 (LCV)



3028817

Connector Part Information

Harness Type: Fuel Rail
OEM Connector: 13503508
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

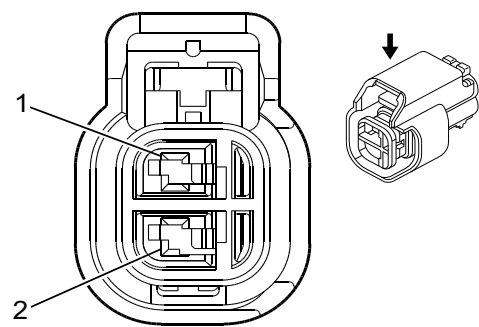
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17D Fuel Injector 4 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	—
2	0.75	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	—

Q17D Fuel Injector 4 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

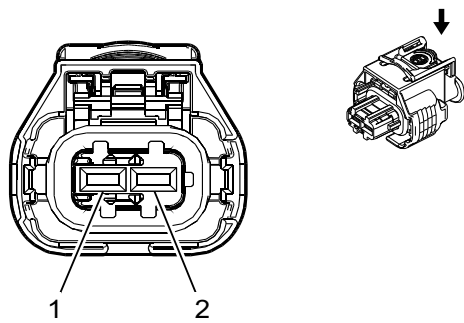
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17D Fuel Injector 4 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	—
2	0.5	BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	—

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Q17D Fuel Injector 4 (LWN)



2845578

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405715
Service Connector: 19299882
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

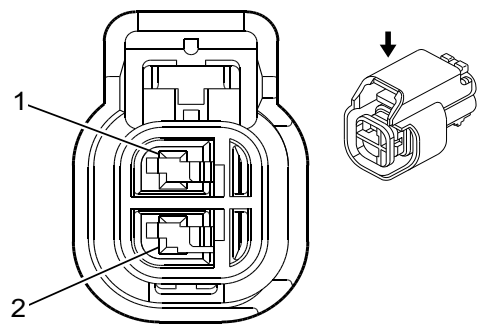
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q17D Fuel Injector 4 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	I	—
2	1.5	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	I	—

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Q17E Fuel Injector 5 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 1 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

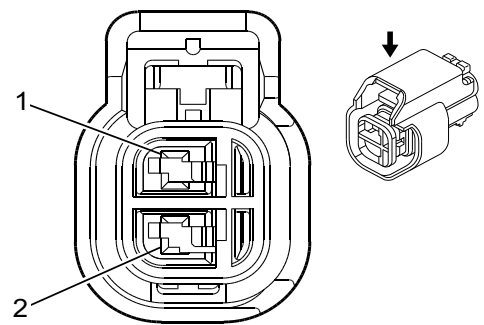
Terminal Part Information

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

Q17E Fuel Injector 5 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GN	4805	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	I	—
2	0.5	GN/WH	4905	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	I	—

Q17F Fuel Injector 6 (LGZ)



1659331

Connector Part Information

Harness Type: Bank 2 Fuel Rail
OEM Connector: E-2157
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.5 Series, Sealed (BK)

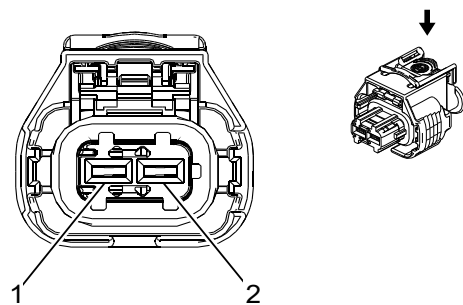
Terminal Part Information

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

Q17F Fuel Injector 6 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GN	4806	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	I	—
2	0.5	VT/GY	4906	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	I	—

Q18A Fuel Pressure Regulator 1



2577394

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405521
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

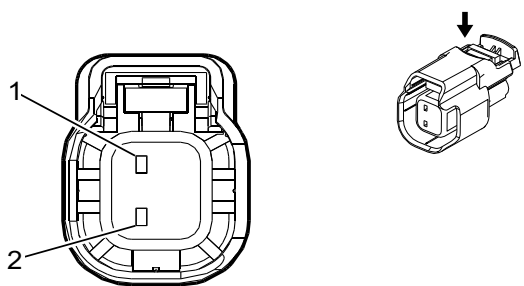
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q18A Fuel Pressure Regulator 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	2928	Fuel Metering Valve High Control	I	—
2	0.5	BN/BK	2929	Fuel Metering Valve Low Control	I	—

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Q18B Fuel Pressure Regulator 2



3028817

Connector Part Information

Harness Type: Engine
OEM Connector: 34062-4009
Service Connector: 19352404
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

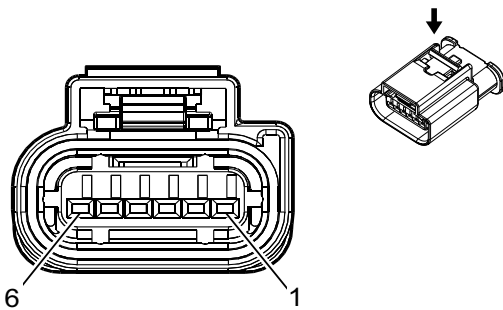
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q18B Fuel Pressure Regulator 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	2530	Fuel Rail Pressure Solenoid Control	I	—
2	0.5	BK/YE	2834	Fuel Rail Pressure Solenoid Low Reference	I	—

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Q20 Intake Air Flow Valve



3747579

Connector Part Information

Harness Type: Engine
OEM Connector: 2272975-5
Service Connector: 19352911
Description: 6-Way F 1.2 MCON Series, Sealed (BK)

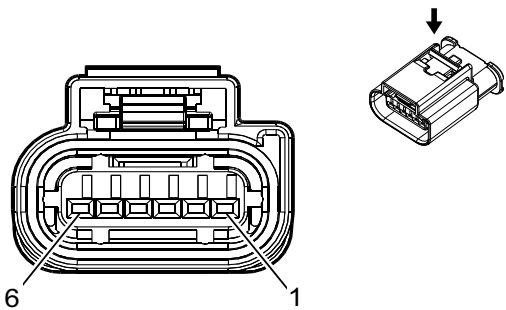
Terminal Part Information

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

Q20 Intake Air Flow Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	—
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
3	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
5	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	I	—
6	—	—	—	Not Occupied	—	—

Q38 Throttle Body



3747579

Connector Part Information

Harness Type: Engine
OEM Connector: 2272975-5
Service Connector: 19352911
Description: 6-Way F 1.2 MCON Series, Sealed (BK)

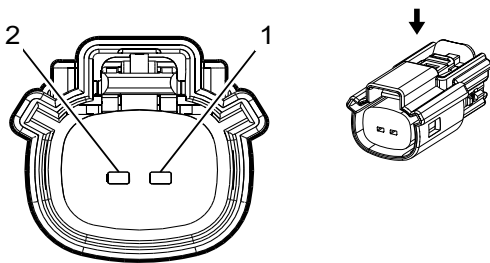
Terminal Part Information

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

Q38 Throttle Body

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	581	Throttle Actuator Control Open	I	—
2	0.5	BN/WH	582	Throttle Actuator Control Close	I	—
3	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	I	—
4	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	I	—
5	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	I	—
6	—	—	—	Not Occupied	—	—

Q44 Engine Oil Pressure Control Solenoid Valve (LCV)



2474713

Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0206
Service Connector: 13577534
Description: 2-Way F 1.5 Series, Sealed (BK)

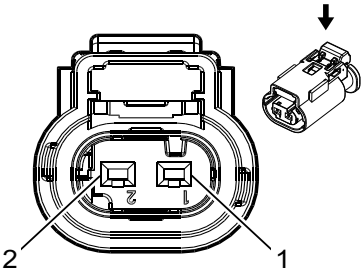
Terminal Part Information

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

Q44 Engine Oil Pressure Control Solenoid Valve (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	L-BU	179	Oil Pump Command Signal	I	—

Q44 Engine Oil Pressure Control Solenoid Valve (LGZ)



2717066

Connector Part Information

Harness Type: Engine
OEM Connector: 10010337
Service Connector: 13587326
Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

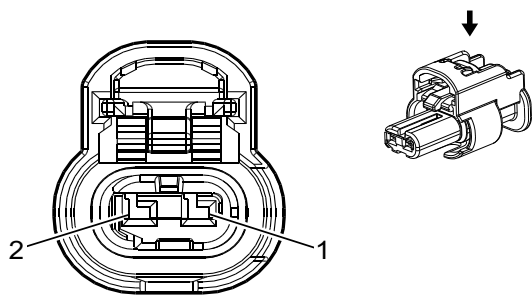
Terminal Part Information

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

Q44 Engine Oil Pressure Control Solenoid Valve (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	L-BU	179	Oil Pump Command Signal	I	—

Q46 A/C Compressor Solenoid Valve



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

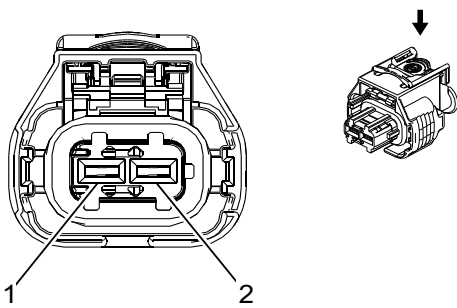
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q46 A/C Compressor Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-BU/YE	7574	Electric Variable Displacement Control	I	—
2	0.75	L-BU/BN	7573	Electric Variable Displacement Supply	I	—

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Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve



2577394

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405521
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

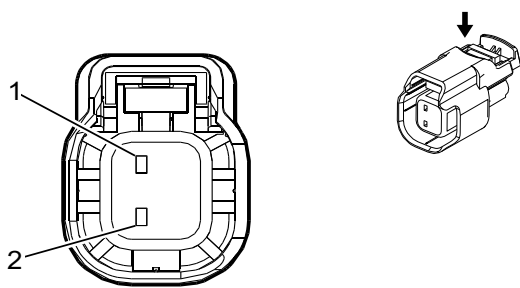
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/L-BU	3231	Exhaust Gas Recirculation Cooler Bypass Solenoid Control	I	—
2	0.5	GY/L-BU	3230	Exhaust Gas Recirculation Cooler Bypass Solenoid Control	I	—

cardiagn.com

Q61 Reductant Injector



3028817

Connector Part Information

Harness Type: Engine
OEM Connector: 34062-4009
Service Connector: 19352404
Description: 2-Way F 1.5 Series, Sealed (BK)

Terminal Part Information

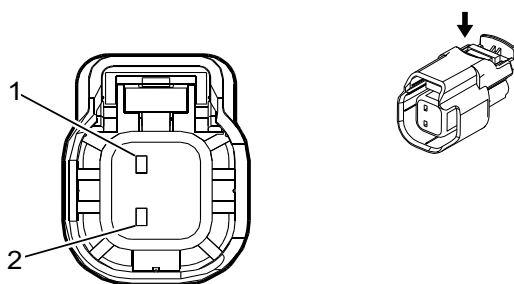
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q61 Reductant Injector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	3100	DEF Dosing Valve Low Control	I	—
2	0.5	BN	3099	DEF Dosing Valve High Control	I	—

cardiagn.com

Q67 Exhaust Aftertreatment Fuel Injector



3028817

Connector Part Information

Harness Type: Chassis

OEM Connector: 34062-0025

Service Connector: 13580230

Description: 2-Way F 1.5 Series, Sealed (BK)

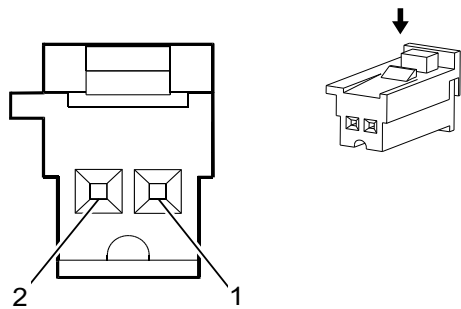
Terminal Part Information

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

Q67 Exhaust Aftertreatment Fuel Injector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BN	2927	Hydrocarbon Injector Low Control	I	—
2	0.5	BN/L-BU	2926	Hydrocarbon Injector High Control	I	—

Q77A Transmission Control Solenoid Valve 1 (M5T)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

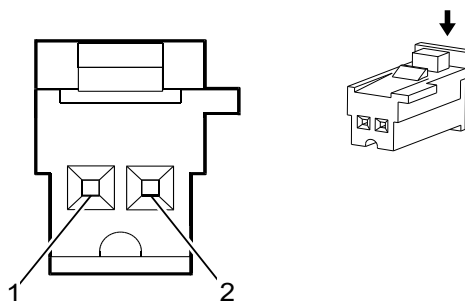
Terminal Part Information

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

Q77A Transmission Control Solenoid Valve 1 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	6400	Clutch A Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

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Q77B Transmission Control Solenoid Valve 2 (M5T)

4008644

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 13941672

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 0.64 MTS Series (GY)

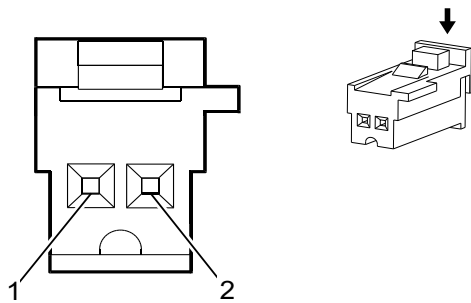
Terminal Part Information

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

Q77B Transmission Control Solenoid Valve 2 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU	6401	Clutch B Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77C Transmission Control Solenoid Valve 3 (M5T)



4008644

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13941672
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (GY)

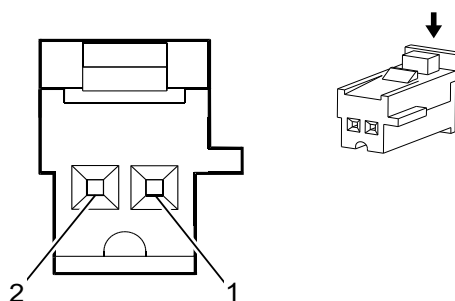
Terminal Part Information

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

Q77C Transmission Control Solenoid Valve 3 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY	6402	Clutch C Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

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Q77D Transmission Control Solenoid Valve 4 (M5T)

4008636

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 13947283

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 0.64 MTS Series (NA)

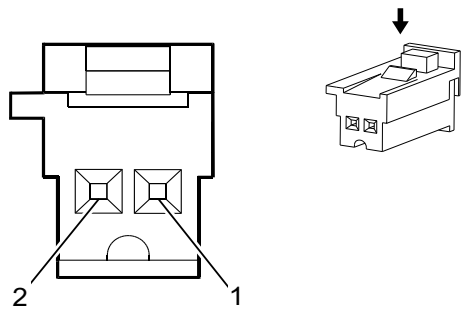
Terminal Part Information

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

Q77D Transmission Control Solenoid Valve 4 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH	4508	Transmission Clutch G Control	I	—
2	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—

Q77E Transmission Control Solenoid Valve 5 (M5T)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

Terminal Part Information

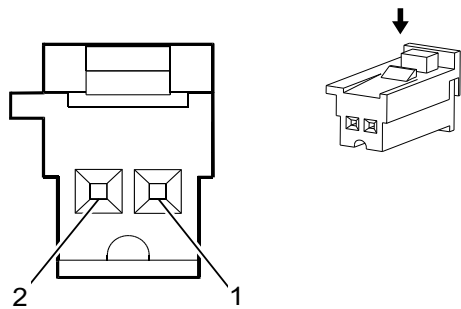
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77E Transmission Control Solenoid Valve 5 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BU	4507	Transmission Clutch H Control	I	—
2	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—

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Q77F Transmission Control Solenoid Valve 6 (M5T)



4051391

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13956948
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (VT)

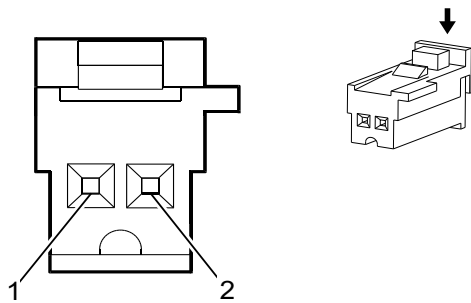
Terminal Part Information

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

Q77F Transmission Control Solenoid Valve 6 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/GN	6403	Clutch D Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

Q77G Transmission Control Solenoid Valve 7 (M5T)



4008644

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 13941672
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 0.64 MTS Series (GY)

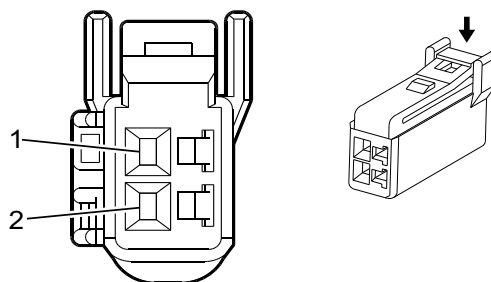
Terminal Part Information

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

Q77G Transmission Control Solenoid Valve 7 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	6404	Clutch E Control	I	—
2	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—

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Q77H Transmission Control Solenoid Valve 8 (M5T)

4051682

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 7287-0122

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 040 III Series (NA)

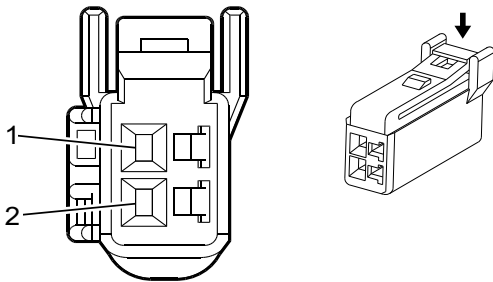
Terminal Part Information

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

Q77H Transmission Control Solenoid Valve 8 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/GY	6387	Transmission High Side Driver 1 Signal Driver	I	—
2	0.5	GN/WH	6380	TCC On/Off Solenoid A Control	I	—

Q77J Transmission Control Solenoid Valve 9 (M5T)



4051682

Connector Part Information

Harness Type: Transmission Control
OEM Connector: 7287-0122
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 040 III Series (NA)

Terminal Part Information

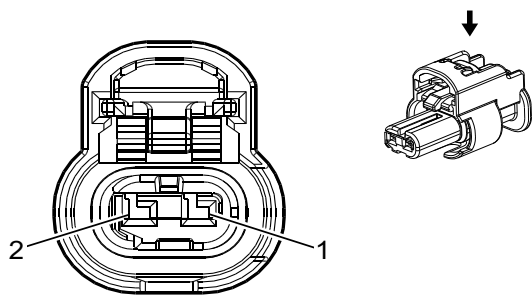
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q77J Transmission Control Solenoid Valve 9 (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	6388	Transmission High Side Driver 2 Signal	I	—
2	0.5	YE/BN	6210	TCC On/Off Solenoid B Control	I	—

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Q83A Valve Lifter Oil Solenoid Valve - Bank 1



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

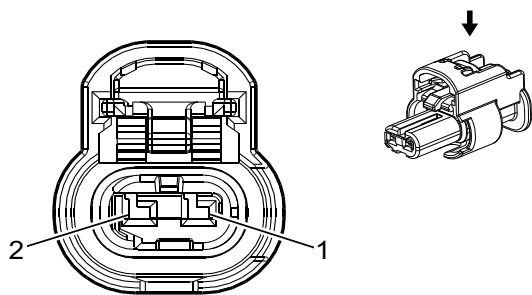
Terminal Part Information

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

Q83A Valve Lifter Oil Solenoid Valve - Bank 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	L-BU	5491	Cylinder Shutoff Solenoid Control 1	I	—

Q83B Valve Lifter Oil Solenoid Valve - Bank 2



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

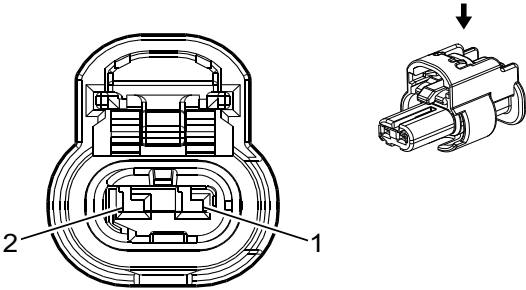
Terminal Part Information

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

Q83B Valve Lifter Oil Solenoid Valve - Bank 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	L-GN	5492	Cylinder Shutoff Solenoid Control 2	I	—

Q84A Camshaft Position Actuator Park Lock Solenoid Valve - Bank 1 Intake



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

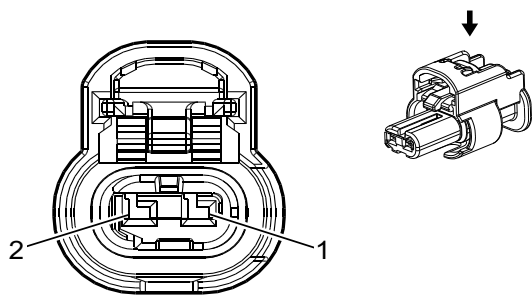
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q84A Camshaft Position Actuator Park Lock Solenoid Valve - Bank 1 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	YE/L-GN	4321	Park Phaser Lock Control	I	—

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Q84B Camshaft Position Actuator Park Lock Solenoid Valve - Bank 2 Intake



4335931

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-2
Service Connector: 19366843
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Terminal Part Information

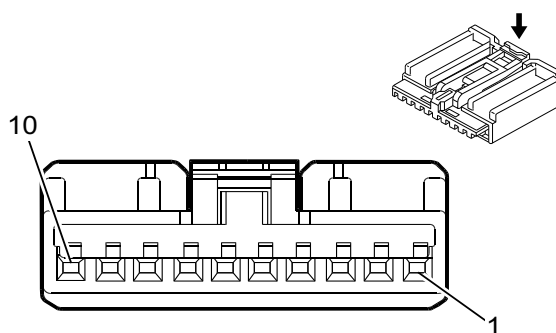
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Q84B Camshaft Position Actuator Park Lock Solenoid Valve - Bank 2 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
2	0.5	GY/L-GN	908	—	I	—

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Q85 Cooling Fan Clutch (LWN)



1862241

Connector Part Information

Harness Type: Steering Wheel

OEM Connector: 15269795

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 0.64 Kaizen Series (BK)

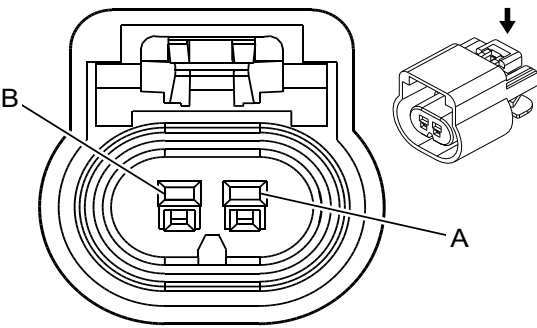
Terminal Part Information

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

Q85 Cooling Fan Clutch (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	RD/YE	3040	Battery Positive Voltage	I	—
2	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
5	0.35	BN	6136	Control	I	—
6	0.35	WH	1444	12V Reference	I	—
7	0.35	GN	6818	Steering Wheel Resistor Ladder Signal 1	I	—
8	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
9	0.5	BK	2050	Ground	I	—
10	0.35	GN/WH	3287	Horn Switch Signal	I	—

R6A Terminating Resistor - High Speed Bus



523630

Connector Part Information

Harness Type: Chassis
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

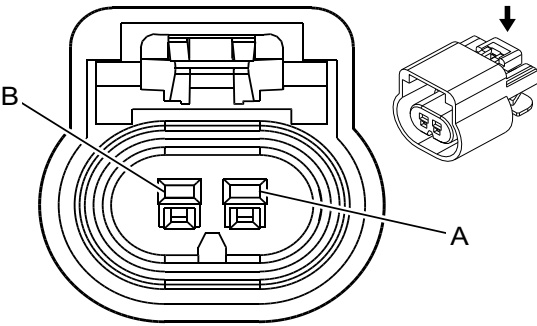
Terminal Part Information

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

R6A Terminating Resistor - High Speed Bus

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
B	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—

R10 Cooling Fan Resistor



523630

Connector Part Information

Harness Type: Engine
OEM Connector: 13510085
Service Connector: 13580114
Description: 2-Way F 150 GT Series, Sealed (BK)

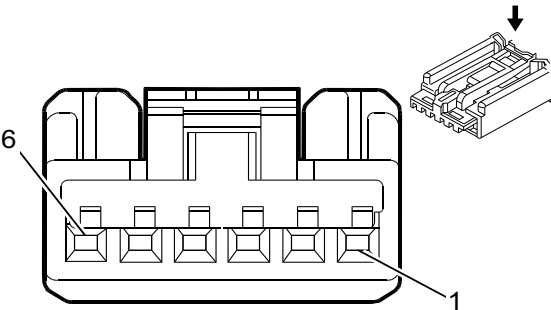
Terminal Part Information

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

R10 Cooling Fan Resistor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/RD	2365	Cooling Fan Speed 5V Reference	I	—
B	0.5	L-BU/VT	2364	Cooling Fan Speed Signal	I	—

S3 Transmission Shift Lever (MYB/M5T)



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

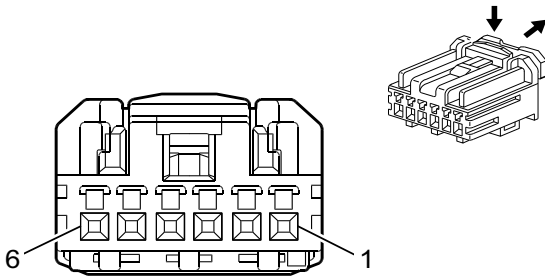
Terminal Part Information

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

S3 Transmission Shift Lever (MYB/M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	BK	2050	Ground	I	—
3	0.35	VT/YE	5526	Tap Up/Tap Down Switch Signal	I	—
4	0.5	VT/BK	7553	Park Lock Solenoid Control	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	WH/VT	5905	Key Capture/Column Lock Shift Position Signal	I	—

S13D Door Lock Switch - Driver



4650256

Connector Part Information

Harness Type: Driver Door
OEM Connector: HCMPB-C06A-K
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

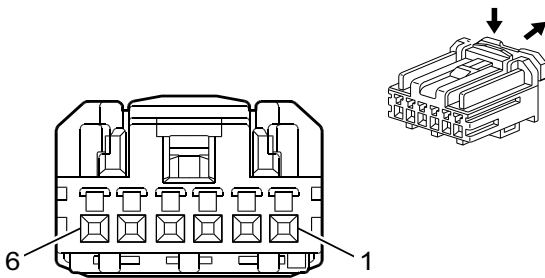
Terminal Part Information

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

S13D Door Lock Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	I	—
4	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	I	—
5	0.5	BK	3550	Ground	I	—
6	—	—	—	Not Occupied	—	—

S13P Door Lock Switch - Passenger



4650256

Connector Part Information

Harness Type: Passenger Door
OEM Connector: HCMPB-C06A-K
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 HCM Series (BK)

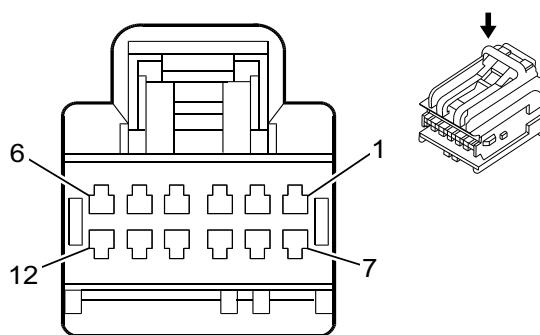
Terminal Part Information

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

S13P Door Lock Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	—
4	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	—
5	0.35	BK	3650	Ground	I	—
6	—	—	—	Not Occupied	—	—

S30 Headlamp Switch



1664569

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 31410-0120

Service Connector: 19354838

Description: 12-Way F 0.64 Series, Sealed (BK)

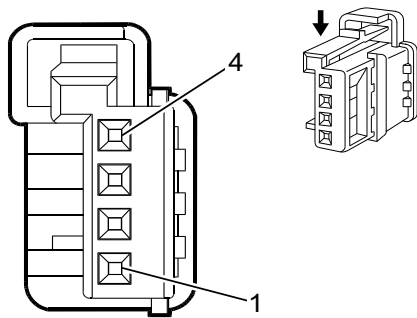
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

S30 Headlamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/VT	103	Headlamp Switch On Signal	II	—
2	0.5	YE	6817	LED Backlight Dimming Control	I	—
3	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	II	—
4	—	—	—	Not Occupied	—	—
5	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	II	—
6	—	—	—	Not Occupied	—	—
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	II	—
8	0.35	BK/WH	2151	Signal Ground	II	—
9	—	—	—	Not Occupied	—	—
10	0.35	L-BU/GY	192	Front Fog Lamp Switch Signal	II	—
11	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	II	—
12	0.35	L-BU/RD	1688	5V Reference	II	—

S32D Seat Heating Switch - Driver



2173576

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379029-2
Service Connector: 13576536
Description: 4-Way F 0.64 Micro-Quadlock Series (WH)

Terminal Part Information

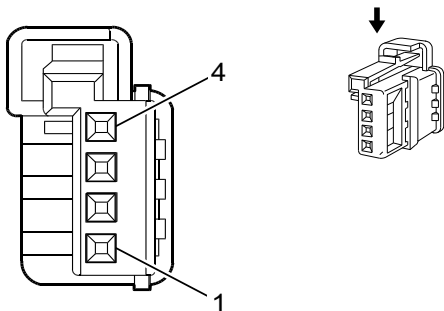
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S32D Seat Heating Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	L-GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
4	0.5	RD/GY	2840	Battery Positive Voltage	I	—

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S32P Seat Heating Switch - Passenger



2667612

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379029-6
Service Connector: 13587956
Description: 4-Way F 0.64 Micro-Quadlock Series (BN)

Terminal Part Information

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

S32P Seat Heating Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	—
2	—	—	—	Not Occupied	—	—
3	0.5	L-GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—
4	0.5	RD/GY	2840	Battery Positive Voltage	I	—

S33 Horn Switch X1**Connector Part Information**

Harness Type: Steering Wheel

OEM Connector: 2-520272-2

Service Connector: Service by Harness - See Part Catalog

Description: 1-Way

Terminal Part Information

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

S33 Horn Switch X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GN/WH	3287	Horn Switch Signal	I	—

S33 Horn Switch X2**Connector Part Information**

Harness Type: Steering Wheel

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 11-Way

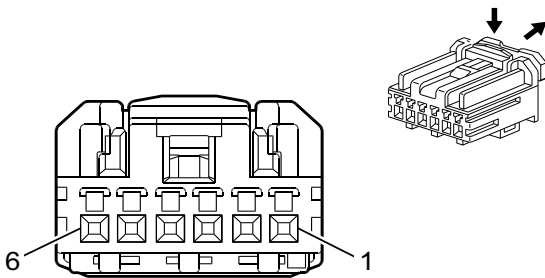
Terminal Part Information

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

S33 Horn Switch X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	—
2	0.35	GN/WH	3287	Horn Switch Signal	I	—

S39 Ignition Switch



4650256

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HCMPB-C06A-K
Service Connector: 19368127
Description: 6-Way F 0.64 HCM Series (BK)

Terminal Part Information

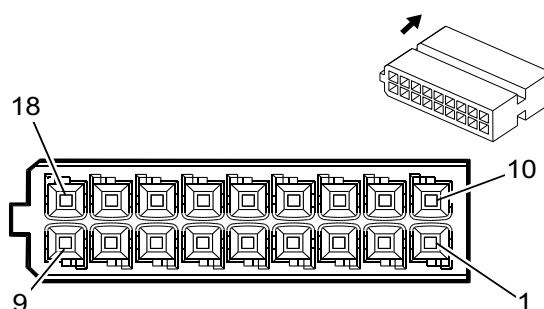
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S39 Ignition Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	—
2	0.5	RD/L-BU	540	Battery Positive Voltage	I	—
3	0.5	VT/YE	4	Accessory Ignition Voltage	I	—
4	0.5	WH/VT	1020	Off/Run/Crank Ignition Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	—

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S48A Multifunction Switch - Instrument Panel



1457336

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 1379102-1

Service Connector: 13504129

Description: 18-Way F 0.64 Micro-Quadlock Series (BK)

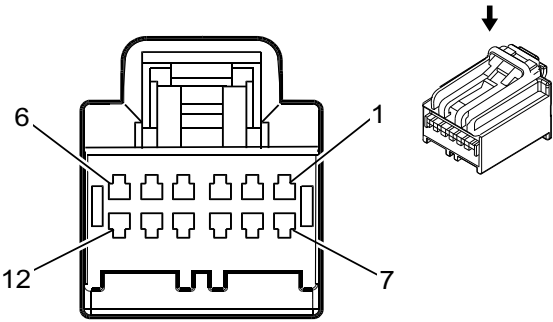
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575859	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	19329754	J-35616-64B (LT BU)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

S48A Multifunction Switch - Instrument Panel

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	II	—
2	0.35	WH	6816	Indicator Dimming Control	II	—
3	0.5	YE/L-GN	7122	Axle Differential Lock Switch Signal	I	—
4	0.35	L-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	II	—
5	0.35	WH	3152	Lane Departure Warning Indicator Control	II	—
6	0.5	VT/GY	7117	Front Axle Differential Lock Indicator Control	I	—
7	0.5	BN/WH	1429	Standing Lamp Relay Control	I	—
8	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	II	—
9	0.5	BK/YE	7259	Axle Differential Lock Switch Low Reference	I	—
10	0.35	L-GN/WH	111	Hazard Switch Signal	II	—
11	0.35	L-BU/GY	553	Shift Select Switch Performance Signal	II	—
12	0.5	YE	7115	Rear Axle Differential Lock Indicator Control	I	—
13	—	—	—	Not Occupied	—	—
14	0.35	BK	2050	Ground	II	—
15	0.35	GY/L-GN	2555	Rear Park Assist Disable Signal	II	—
16	0.35	L-GN/BN	5852	Rear Park Assist LED Disable Signal	II	—
17	0.35	L-BU/VT	1788	Traction Control Switch Signal 1	II	—
18	0.35	GY	158	Cargo Lamp Switch Signal	II	—

S52 Outside Rearview Mirror Switch



3556661

Connector Part Information

Harness Type: Driver Door
OEM Connector: 31410-0121
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 64 Series, Sealed (GY)

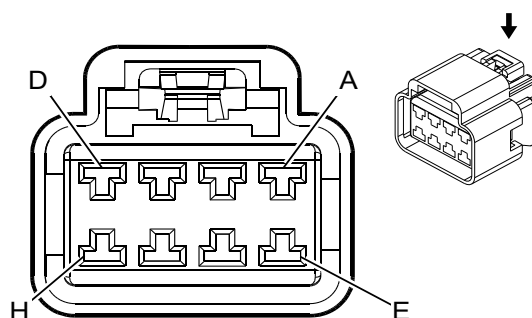
Terminal Part Information

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

S52 Outside Rearview Mirror Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE	6817	LED Backlight Dimming Control	I	—
2 - 4	—	—	—	Not Occupied	—	—
5	0.35	WH	3398	Passenger Mirror Motor Common Control	I	—
6	0.35	YE/BN	3391	Driver Mirror Motor Common Control	I	—
7	0.35	YE/VT	3397	Passenger Mirror Motor Up (+) Down (-) Control	I	—
8	0.35	VT/L-BU	3390	Driver Mirror Motor Up (+) Down (-) Control	I	—
9	0.35	L-GN/BK	3396	Passenger Mirror Motor Right (+) Left (-) Control	I	—
10	0.35	BN/BK	3389	Driver Mirror Motor Right (+) Left (-) Control	I	—
11	0.5	BK	3550	Ground	I	—
12	0.35	RD/VT	1940	Battery Positive Voltage	I	—

S64D Seat Adjuster Switch - Driver



556473

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 15326924

Service Connector: Service by Harness - See Part Catalog

Description: 8-Way F 280 GT Series (BK)

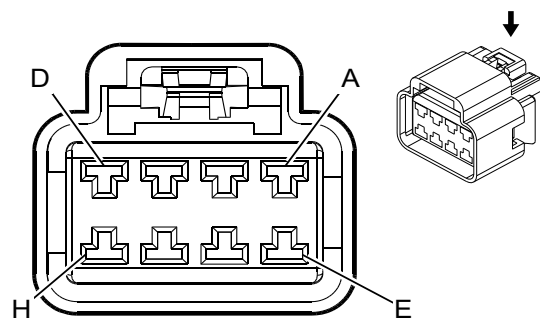
Terminal Part Information

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

S64D Seat Adjuster Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	YE	282	Driver Power Seat Rear Vertical Motor Up Control	I	—
B	—	BK	3750	Ground	I	—
C	—	YE/BU	285	Driver Power Seat Horizontal Motor Forward Control	I	—
D	—	RD/YE	5040	Battery Positive Voltage	I	—
E	—	—	—	Not Occupied	—	—
F	—	GY/GN	284	Driver Power Seat Horizontal Motor Rearward Control	I	—
G	—	—	—	Not Occupied	—	—
H	—	GY/BU	283	Driver Power Seat Rear Vertical Motor Down Control	I	—

S64P Seat Adjuster Switch - Passenger (AAQ)



556473

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 15326924
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 280 GT Series (BK)

Terminal Part Information

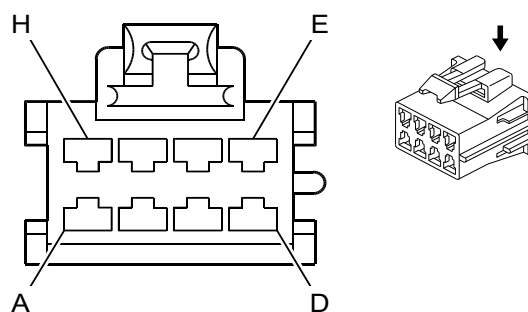
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S64P Seat Adjuster Switch - Passenger (AAQ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	GN/WH	288	Passenger Power Seat Rear Vertical Motor Up Control	I	—
B	2.5	BK	3850	Ground	I	—
C	1.5	YE/BU	290	Passenger Power Seat Horizontal Motor Rearward Control	I	—
D	2.5	RD/BN	1440	Battery Positive Voltage	I	—
E	—	—	—	Not Occupied	—	—
F	1.5	YE/WH	296	Passenger Power Seat Horizontal Motor Forward Control	I	—
G	—	—	—	Not Occupied	—	—
H	1.5	BU/WH	289	Passenger Power Seat Rear Vertical Motor Down Control	I	—

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S65D Seat Lumbar Support Switch - Driver



73155

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 12089287

Service Connector: Service by Harness - See Part Catalog

Description: 8-Way F 280 Metri-Pack Series (NA)

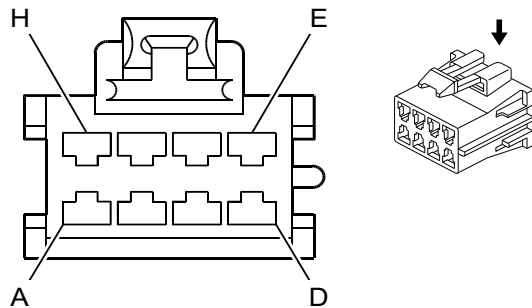
Terminal Part Information

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

S65D Seat Lumbar Support Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	VT	610	Driver Power Seat Lumbar Motor Rearward Control	I	—
B - C	—	—	—	Not Occupied	—	—
D	—	BU	611	Driver Power Seat Lumbar Motor Forward Control	I	—
E	—	RD/YE	5040	Battery Positive Voltage	I	—
F - G	—	—	—	Not Occupied	—	—
H	—	BK	3750	Ground	I	—

S65P Seat Lumbar Support Switch - Passenger (AT9)



73155

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 12089287
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 280 Metri-Pack Series (NA)

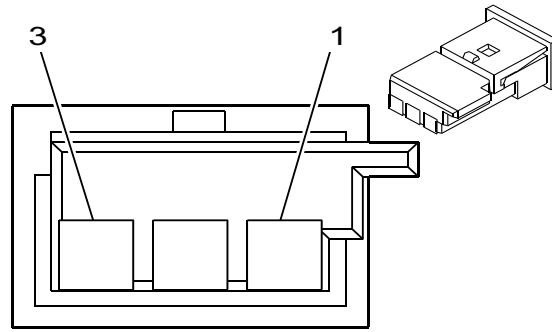
Terminal Part Information

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

S65P Seat Lumbar Support Switch - Passenger (AT9)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	210	Passenger Power Seat Lumbar Motor Rearward Control	I	—
B - C	—	—	—	Not Occupied	—	—
D	1.5	BU	211	Passenger Power Seat Lumbar Motor Forward Control	I	—
E	2.5	RD/BN	1440	Battery Positive Voltage	I	—
F - G	—	—	—	Not Occupied	—	—
H	2.5	BK	3850	Ground	I	—

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S70E Steering Wheel Controls Switch - Radio Presets

647970

Connector Part Information

Harness Type: Steering Wheel

OEM Connector: 13153088

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F 0.64 Micro-Quadlock Series (BK)

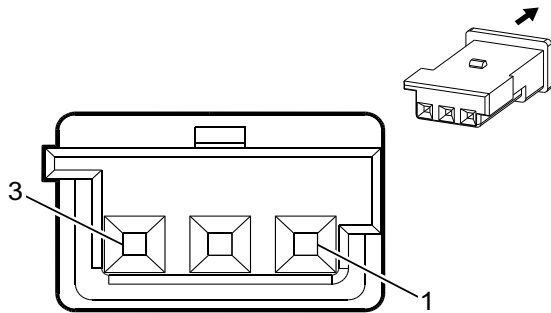
Terminal Part Information

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

S70E Steering Wheel Controls Switch - Radio Presets

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	WH/YE	4313	Radio Favorite Forward Signal	I	—
2	—	YE/RD	4312	Radio Favorite Back Signal	I	—
3	—	BK	2050	Ground	I	—

S70F Steering Wheel Controls Switch - Radio Volume (W1Y)



2179789

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19153569
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Micro-Quadlock Series (PU)

Terminal Part Information

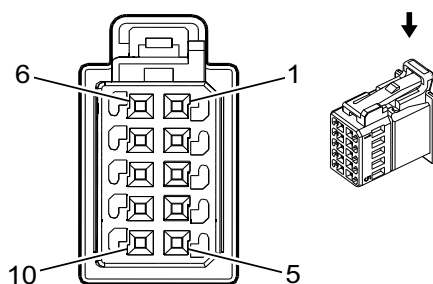
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

S70F Steering Wheel Controls Switch - Radio Volume (W1Y)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BU	4315	Radio Volume Up Signal	I	—
2	—	GY/BN	4314	Radio Volume Down Signal	I	—
3	—	BK	2050	Ground	I	—

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S70L Steering Wheel Controls Switch - Left



2830955

Connector Part Information

Harness Type: Steering Wheel

OEM Connector: 13582766

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

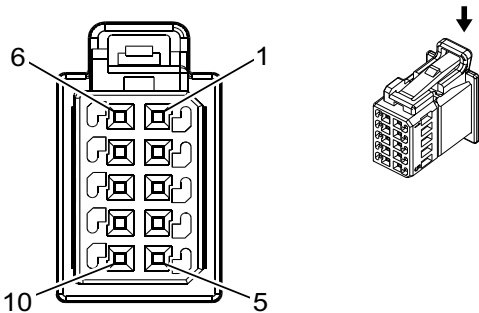
Terminal Part Information

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

S70L Steering Wheel Controls Switch - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	II	—
2	0.5	BK	2050	Ground	I	—
3	0.35	GY/OG	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	II	—
4	0.35	BN/YE	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	II	—
5	0.35	YE/GY	5883	Heated Steering Wheel Switch Signal	II	—
6	0.35 0.35	BN BN	6817 6136	LED Backlight Dimming Control	II II	W1Y -W1Y
7	0.35	WH	6816	Indicator Dimming Control	II	—
8	0.35	GN	5884	Heated Steering Wheel Switch LED Control	II	—
9	0.35	WH	1444	12V Reference	II	—
10	0.35	RD/YE	3040	Battery Positive Voltage	II	—

S70R Steering Wheel Controls Switch - Right



3824564

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 13582767
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 Micro-Quadlock Series (BK)

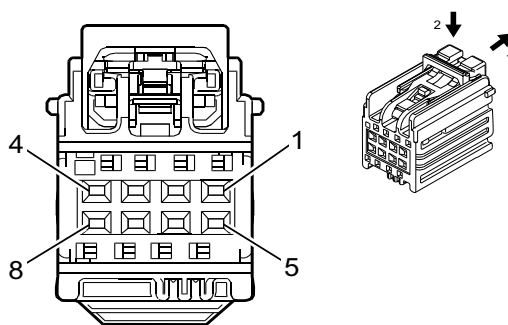
Terminal Part Information

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

S70R Steering Wheel Controls Switch - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN	6817	LED Backlight Dimming Control	I	W1Y
	0.35	BN	6136		I	-W1Y
2	0.35	WH/RD	1444	12V Reference	I	—
3	0.5	GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
4	0.35	GN	6818	Steering Wheel Resistor Ladder Signal 1	I	—
5	0.35	RD/YE	3040	Battery Positive Voltage	I	—
6	0.35	BK	2050	Ground	I	—
7	0.35	BU	4315	Radio Volume Up Signal	I	—
8	0.35	GY/BN	4314	Radio Volume Down Signal	I	—
9	0.35	WH/YE	4313	Radio Favorite Forward Signal	I	—
10	0.35	YE/RD	4312	Radio Favorite Back Signal	I	—

S76 Trailer Brake Control Switch (JL1)



4808677

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 7289-2894-30
 Service Connector: 19368548
 Description: 8-Way F 0.64 YESC Series (BK)

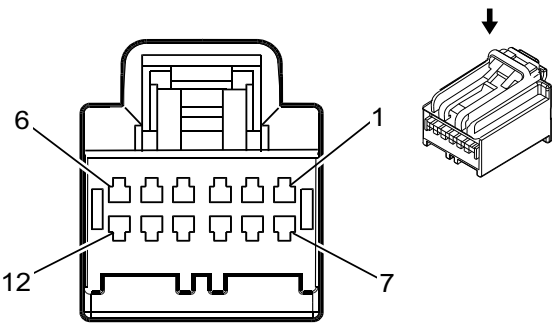
Terminal Part Information

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

S76 Trailer Brake Control Switch (JL1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.5	L-BU/RD	7632	Integrated Trailer Brake Controller Switch 5V Reference	I	—
4	0.5	YE	7635	Integrated Trailer Brake Controller Manual Apply Signal	I	—
5	0.5	BN	7634	Integrated Trailer Brake Controller Redundant Manual Apply Signal	I	—
6	0.5	L-GN/BK	7633	Integrated Trailer Brake Controller User Gain Signal	I	—
7	0.35	YE	6817	LED Backlight Dimming Control	I	—
8	0.5	BK/BN	7631	Integrated Trailer Brake Controller Switch Low Reference	I	—

S77 Transfer Case Shift Control Switch



3556661

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 31410-0121
Service Connector: 13593929
Description: 12-Way F 64 Series, Sealed (GY)

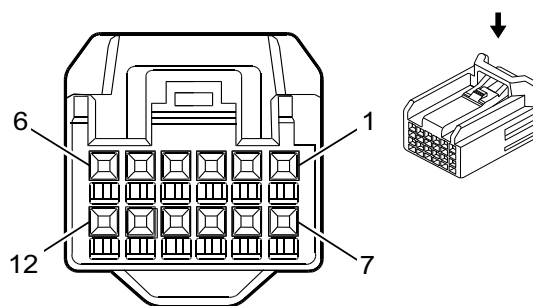
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

S77 Transfer Case Shift Control Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	5054	Sport Mode Switch Signal	II	—
2	0.5	VT/BN	300	Run Ignition 3 Voltage	I	—
3	0.35	BN	1560	Neutral Indicator Control	II	—
4	0.35	WH	6816	Indicator Dimming Control	II	—
5	0.35	YE	6817	LED Backlight Dimming Control	II	—
6	0.5	BK	2050	Ground	I	—
7	0.35	GY/L-GN	1561	AWD Indicator Control	II	—
8	0.35	L-GN/BK	1563	2 HI Indicator Control	II	—
9	0.35	BN/BK	1566	4 HI Indicator Control	II	—
10	0.35	VT/WH	1565	4 LO Indicator Control	II	—
11	0.35	GY/RD	6029	Four Wheel Drive Mode Switch 5V Reference	II	—
12	0.35	L-BU/YE	1693	Four Wheel Drive Switch Signal	II	—

S78 Turn Signal/Multifunction Switch



2180217

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: SHC2PB-12-2AK
 Service Connector: 13576635
 Description: 12-Way F 0.64 Series (BK)

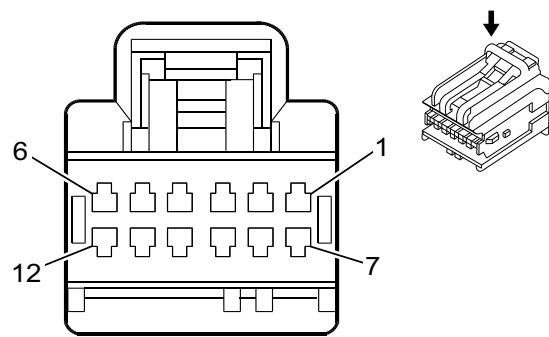
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575870	J-35616-64B (LT BU)	J-38125-12A	SNAC3-A021T-M0.64	Delphi 20	J	J

S78 Turn Signal/Multifunction Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/L-GN	663	Hazard Switch Left Turn Signal	I	—
2	0.35	WH	524	Headlamp Dimmer Switch High Beam Signal	I	—
3	0.35	BK/WH	2151	Signal Ground	I	—
4	0.35	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	—
5	0.35	GY/L-BU	893	Driver Information Center Select Menu Switch Signal	I	—
6	0.35	BK/BN	897	Driver Information Center Switch Low Reference	I	—
7	0.35	VT/L-BU	664	Hazard Switch Right Turn Signal	I	—
8 - 11	—	—	—	Not Occupied	—	—
12	0.35	L-GN/WH	1358	Driver Information Center Switch Signal	I	—

S79D Window Switch - Driver



1664569

Connector Part Information

Harness Type: Driver Door
OEM Connector: 31410-0120
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F 0.64 Series, Sealed (BK)

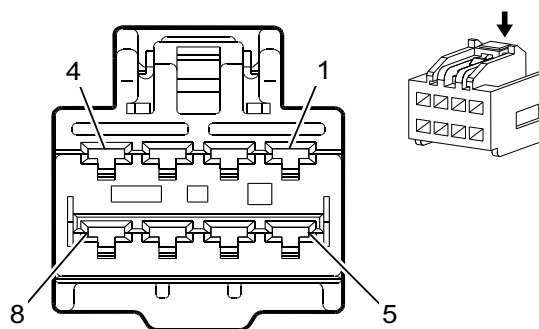
Terminal Part Information

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

S79D Window Switch - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	3550	Ground	I	—
2	0.35	L-GN/VT	7628	Power Window Motor Left Front Express Control	I	—
3	0.35	GY	1136	Power Window Master Switch Left Front Down Signal	I	—
4	0.5	RD/VT	1940	Battery Positive Voltage	I	—
5	0.5	L-GN/YE	6134	Local Interconnect Network Serial Data Bus 3	I	—
6	0.35	L-GN/WH	1300	Power Window Master Switch Left Front Up Signal	I	—
7	0.35	WH/VT	3270	Driver Door Lock Motor Status Signal	I	—
8	0.35	L-BU/VT	1124	Door Lock Key Switch Unlock Signal	I	—
9	—	—	—	Not Occupied	—	—
10	0.35	YE/BN	3265	Child Security Lock Switch Signal	I	—
11	0.35	WH	6816	Indicator Dimming Control	I	—
12	0.35	GY	5697	Child Lockout Indicator Control	I	—

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S79LR Window Switch - Left Rear (Crew Cab)

1653389

Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 6098-4713

Service Connector: Service by Harness - See Part Catalog

Description: 8-Way F 2.8 Series (BK)

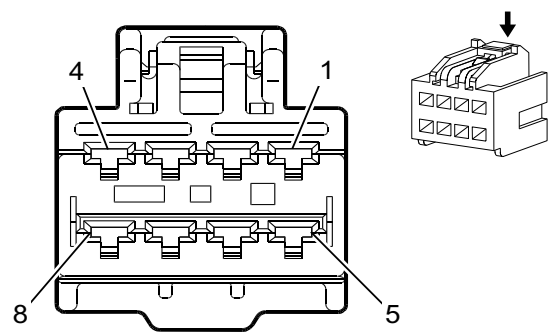
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79LR Window Switch - Left Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Local Interconnect Network Serial Data Bus 4	I	—
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	—
3	0.35	BK	3350	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	2.5	BK	3350	Ground	I	—
6	2.5	L-BU/VT	668	Power Window Motor Left Rear Up Control	I	—
7	2.5	YE/L-BU	669	Power Window Motor Left Rear Down Control	I	—
8	2.5	RD/L-BU	1240	Battery Positive Voltage	I	—

S79P Window Switch - Passenger



1653389

Connector Part Information

Harness Type: Passenger Door
OEM Connector: 6098-4713
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

Terminal Part Information

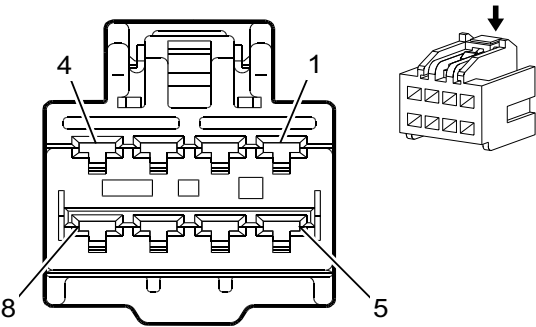
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79P Window Switch - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	BK	3650	Ground	I	—
2	2.5	L-GN/GY	3387	Power Window Motor Passenger Up Control	I	—
3	2.5	YE/L-BU	3388	Power Window Motor Passenger Down Control	I	—
4	2.5	RD/WH	1340	Battery Positive Voltage	I	—
5	0.5	L-GN/YE	6134	Local Interconnect Network Serial Data Bus 3	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.35	GY	746	Right Front Door Ajar Switch Signal	I	—

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S79RR Window Switch - Right Rear



1653389

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 6098-4713
Service Connector: Service by Harness - See Part Catalog
Description: 8-Way F 2.8 Series (BK)

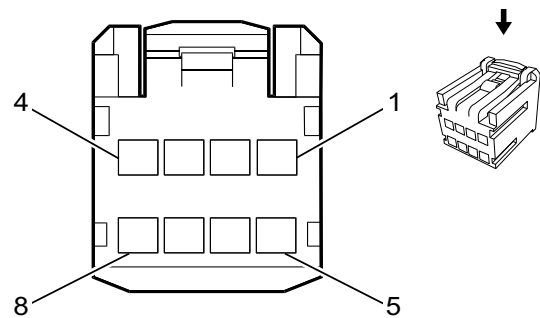
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S79RR Window Switch - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/GY	6135	Local Interconnect Network Serial Data Bus 4	I	—
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	2.5	BK	3450	Ground	I	—
6	2.5	L-BU/GY	670	Power Window Motor Right Rear Up Control	I	—
7	2.5	L-GN/BK	671	Power Window Motor Right Rear Down Control	I	—
8	2.5	RD/WH	1340	Battery Positive Voltage	I	—

S82 Windshield Wiper/Washer Switch



2180203

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: HCMDPB-08-K
Service Connector: 13576541
Description: 8-Way F 1.2 HCM Series (BK)

Terminal Part Information

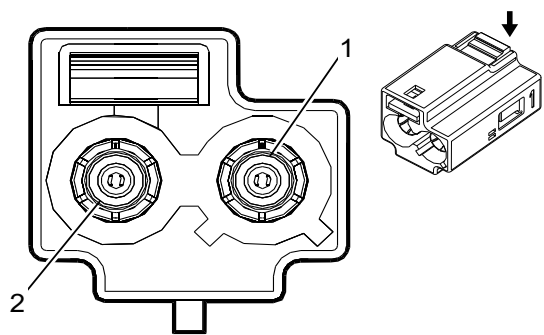
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

S82 Windshield Wiper/Washer Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	1715	Windshield Wiper Switch High Signal	I	—
2	0.35	BK/GY	6009	Windshield Wiper Switch Low Reference	I	—
3	0.35	YE/L-BU	1714	Windshield Wiper Switch Low Signal	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	WH/BK	94	Windshield Washer Switch Signal	I	—
6 - 8	—	—	—	Not Occupied	—	—

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T2RR Antenna - Roof Rear



3969442

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581975
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type (CU)

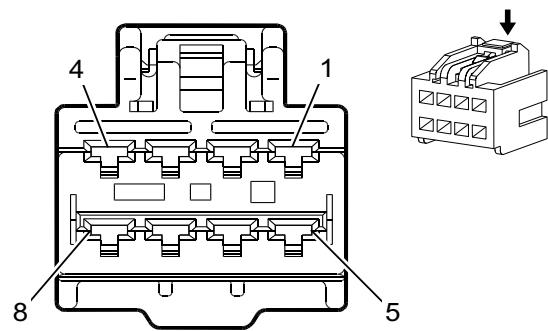
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

T2RR Antenna - Roof Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
2-BK	—	—	COAX	Coax Cable	I	—
BK	—	—	COAX	Coax Cable	I	—

T3 Audio Amplifier X1



1653389

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 6098-4713
Service Connector: 13580111
Description: 8-Way F 2.8 Series (BK)

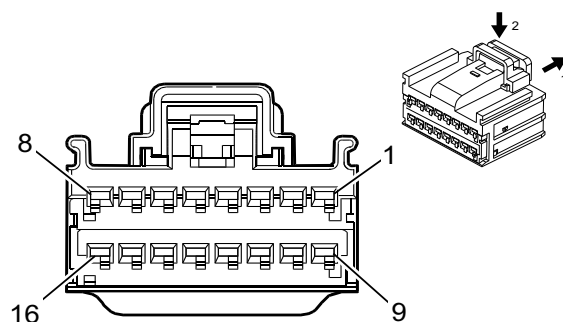
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T3 Audio Amplifier X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	YE	200	Right Front Speaker Control (+) 1	I	—
2	—	—	—	Not Occupied	—	—
3	1	L-BU	201	Left Front Speaker Control (+) 1	I	—
4	2.5	RD/YE	3740	Battery Positive Voltage	I	—
5	1	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
6	—	—	—	Not Occupied	—	—
7	1	BN/L-BU	118	Left Front Speaker Signal (-) 1	I	—
8	2.5	BK/WH	2251	Signal Ground	I	—

T3 Audio Amplifier X2



4332214

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 15512506
 Service Connector: 13591061
 Description: 16-Way F 1.5 OCS Series (BK)

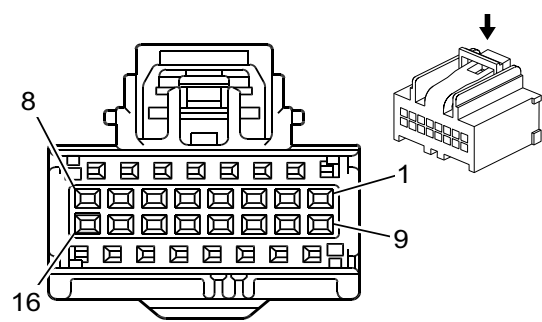
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575708	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

T3 Audio Amplifier X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.75	VT/BN	1952	Right Front Tweeter Speaker (-) Low Reference	I	—
3	0.75	YE/L-BU	1856	Left Front Tweeter Speaker Control (+)	I	—
4	1	WH	46	Right Rear Speaker Control (+)	I	—
5	1	L-GN	199	Left Rear Speaker Control (+)	I	—
6	—	—	—	Not Occupied	—	—
7	0.75	YE/WH	1860	Front Center Speaker Control (+)	I	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.75	BN/L-GN	1852	Right Front Tweeter Speaker Control (+)	I	—
11	0.75	VT/GY	1956	Left Front Tweeter Speaker (-) Low Reference	I	—
12	1	L-BU/BK	115	Right Rear Speaker Signal (-)	I	—
13	1	L-GN/BK	116	Left Rear Speaker Signal (-)	I	—
14	—	—	—	Not Occupied	—	—
15	0.75	L-BU/YE	1960	Front Center Speaker (-) Low Reference	I	—
16	—	—	—	Not Occupied	—	—

T3 Audio Amplifier X3



1653409

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15136073
Service Connector: -
Description: 16-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

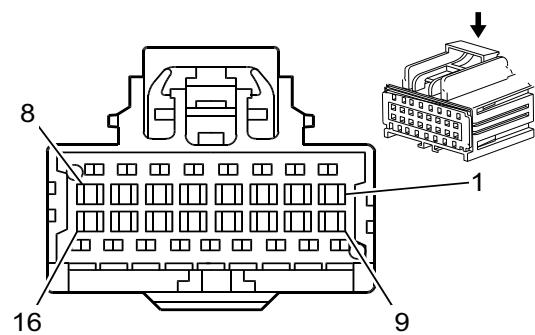
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

T3 Audio Amplifier X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	I	—
2 - 16	—	—	—	Not Occupied	—	—

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T3 Audio Amplifier X4



1664488

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 7283-9078-80
Service Connector: 15136074
Description: 16-Way F 0.64 Kaizen Series (BN)

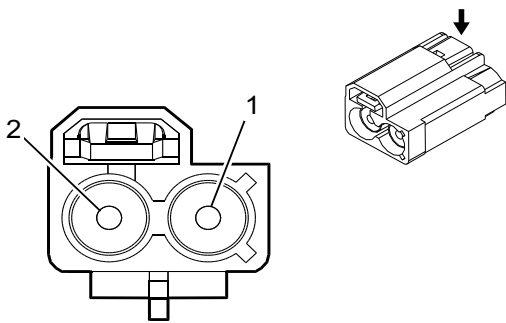
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

T3 Audio Amplifier X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	GY/BK	7215	Ethernet Bus 6 (+)	I	—
4	0.35	BN/BK	7214	Ethernet Bus 6 (-)	I	—
5 - 16	—	—	—	Not Occupied	—	—

T4G Cellular Phone, Navigation, and Digital Radio Antenna



4283324

Connector Part Information

Harness Type: Body Coax
OEM Connector: 13589366
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type (PU)

Terminal Part Information

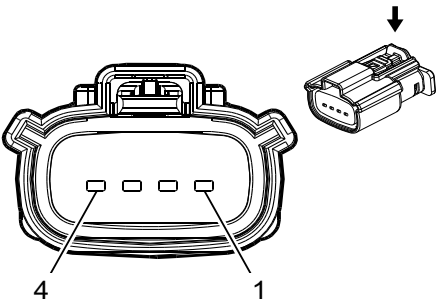
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

T4G Cellular Phone, Navigation, and Digital Radio Antenna

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
1-VT	—	—	COAX	Coax Cable	I	—
2-VT	—	—	COAX	Coax Cable	I	—

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T8A Ignition Coil 1 (LCV)



2717131

Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

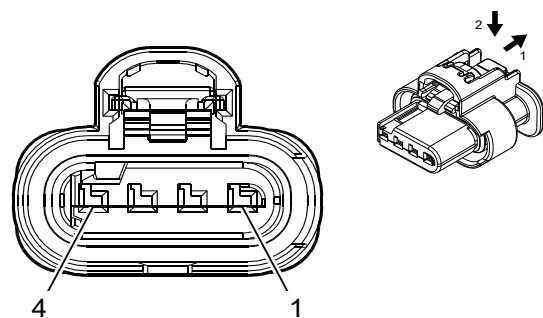
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8A Ignition Coil 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
3	0.5	L-BU/VT	2121	Ignition Control 1	II	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8A Ignition Coil 1 (LGZ)



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

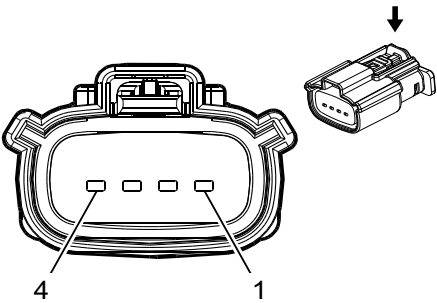
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8A Ignition Coil 1 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	L-BU/VT	2121	Ignition Control 1	I	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

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T8B Ignition Coil 2 (LCV)



2717131

Connector Part Information

Harness Type: Engine
OEM Connector: 33471-0461
Service Connector: 19299695
Description: 4-Way F 1.5 Series, Sealed (BK)

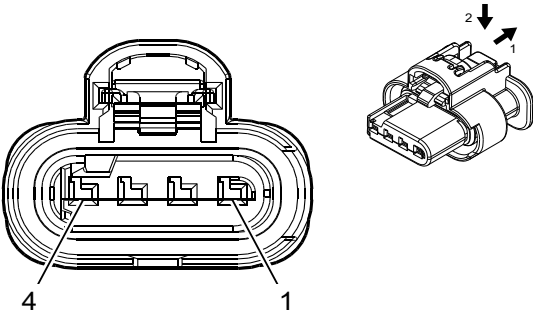
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8B Ignition Coil 2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
3	0.5	L-BU/WH	2122	Ignition Control 2	II	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8B Ignition Coil 2 (LGZ)



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

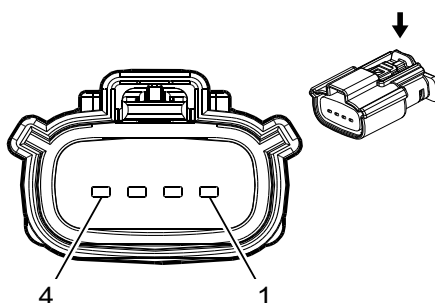
Terminal Part Information

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

T8B Ignition Coil 2 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1550	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	L-BU/WH	2122	Ignition Control 2	I	—
4	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	I	—

T8C Ignition Coil 3 (LCV)



2717131

Connector Part Information

Harness Type: Engine

OEM Connector: 33471-0461

Service Connector: 19299695

Description: 4-Way F 1.5 Series, Sealed (BK)

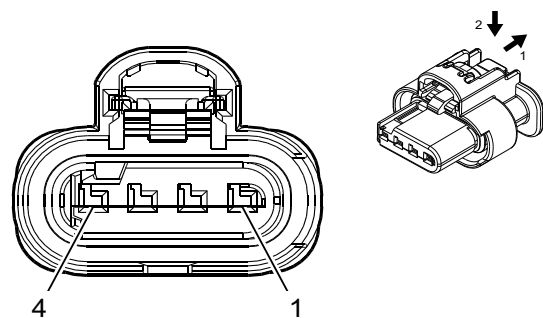
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8C Ignition Coil 3 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
3	0.5	L-GN/L-BU	2123	Ignition Control 3	II	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8C Ignition Coil 3 (LGZ)



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

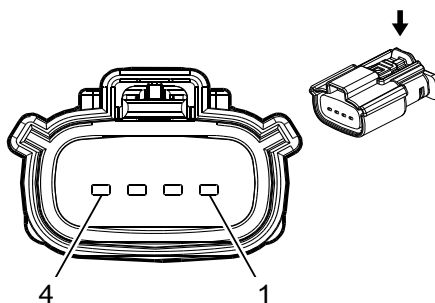
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8C Ignition Coil 3 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	L-GN/L-BU	2123	Ignition Control 3	I	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

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T8D Ignition Coil 4 (LCV)



2717131

Connector Part Information

Harness Type: Engine

OEM Connector: 33471-0461

Service Connector: 19299695

Description: 4-Way F 1.5 Series, Sealed (BK)

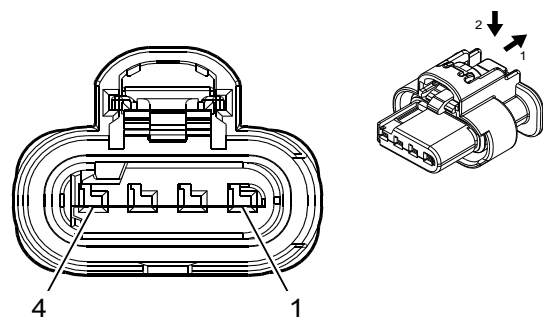
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8D Ignition Coil 4 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
3	0.5	YE/L-BU	2124	Ignition Control 4	II	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8D Ignition Coil 4 (LGZ)



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

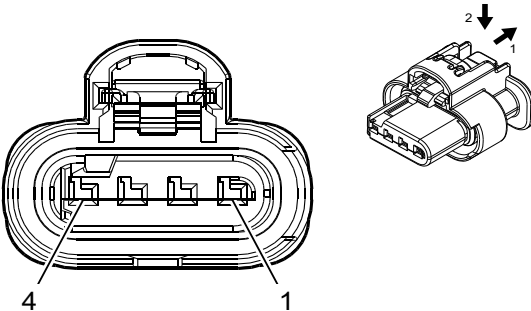
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8D Ignition Coil 4 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1550	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	YE/L-BU	2124	Ignition Control 4	I	—
4	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	I	—

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T8E Ignition Coil 5



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

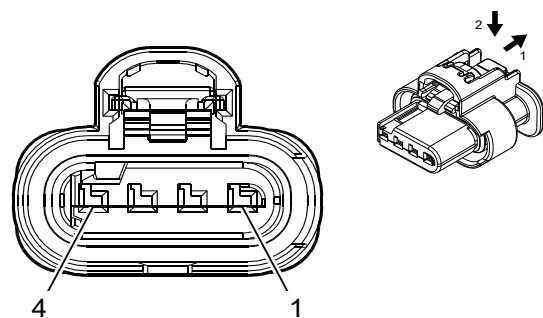
Terminal Part Information

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

T8E Ignition Coil 5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1450	Ground	I	—
2	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	I	—
3	0.5	L-BU/GY	2125	Ignition Control 5	I	—
4	1	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	I	—

T8F Ignition Coil 6



4210809

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296696-1
Service Connector: 19367009
Description: 4-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

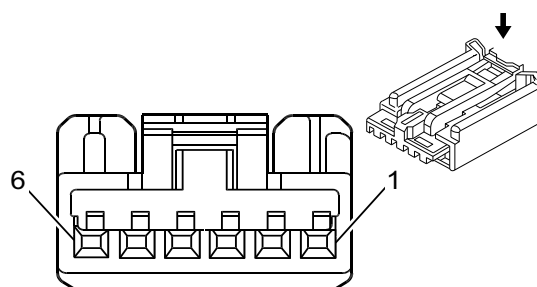
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

T8F Ignition Coil 6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1550	Ground	I	—
2	0.5	BK/GY	2130	Ignition Control Low Reference Bank 2	I	—
3	0.5	BN/L-BU	2126	Ignition Control 6	I	—
4	1	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	I	—

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T22 Mobile Device Wireless Charger Module



1974968

Connector Part Information

Harness Type: Floor Console

OEM Connector: AIT2PB-06-1FS

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way F 0.64 Series (NA)

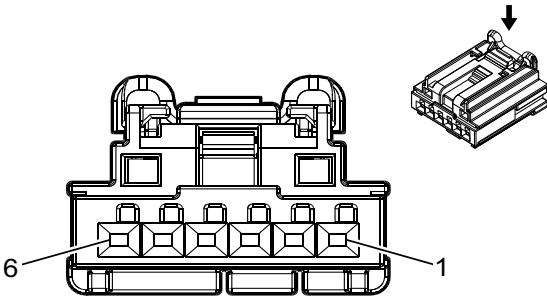
Terminal Part Information

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

T22 Mobile Device Wireless Charger Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	4601	Retained Accessory Power Fused Control	I	—
2	0.5	BK	2050	Ground	I	—
3	0.35	L-GN	4512	Wireless Charging System Charge Indicator Control	I	—
4	0.35	BN	4511	Wireless Charging System Fault Indicator Control	I	—
5 - 6	—	—	—	Not Occupied	—	—

T22 Mobile Device Wireless Charger Module



3960313

Connector Part Information

Harness Type: Floor Console
OEM Connector: 2035363-4
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Generation Y Series (BK)

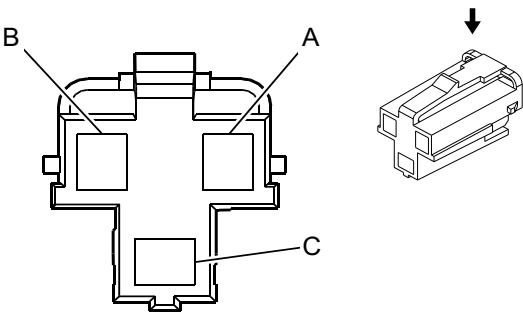
Terminal Part Information

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

T22 Mobile Device Wireless Charger Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	4601	Retained Accessory Power Fused Control	I	—
2	0.5	BK	2050	Ground	I	—
3	0.35	GN	4512	Wireless Charging System Charge Indicator Control	I	—
4	0.35	BN	4511	Wireless Charging System Fault Indicator Control	I	—
5 - 6	—	—	—	Not Occupied	—	—

X80A Accessory Power Receptacle - Center Console 1 (MYB/M5T)



362748

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12176836
Service Connector: -
Description: 3-Way F 280 Metri-Pack Series (GY)

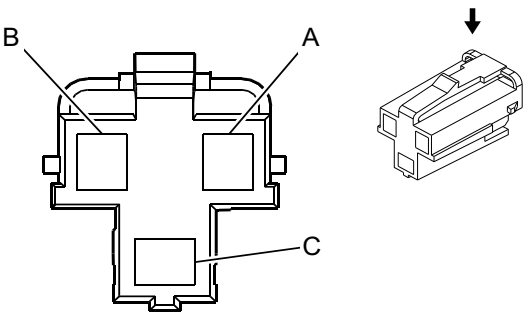
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80A Accessory Power Receptacle - Center Console 1 (MYB/M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	1701	Retained Accessory Power Ignition	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	2050	Ground	I	—

X80B Accessory Power Receptacle - Center Console 2



362748

Connector Part Information

Harness Type: Floor Console
OEM Connector: 12176836
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 280 Metri-Pack Series (GY)

Terminal Part Information

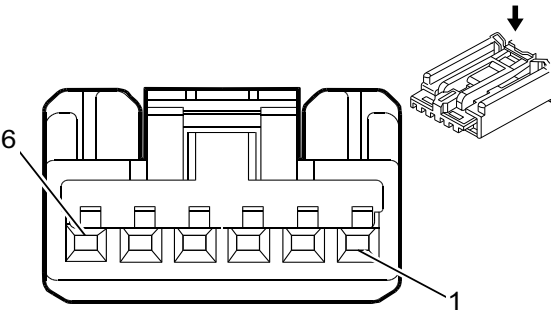
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X80B Accessory Power Receptacle - Center Console 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	VT	2101	Retained Accessory Power Fuse Ignition	I	—
B	—	—	—	Not Occupied	—	—
C	1.5	BK	2050	Ground	I	—

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X83 Auxiliary Audio Input X1



1862240

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-06-1AK
Service Connector: 19167753
Description: 6-Way F 0.64 Kaizen Series (BK)

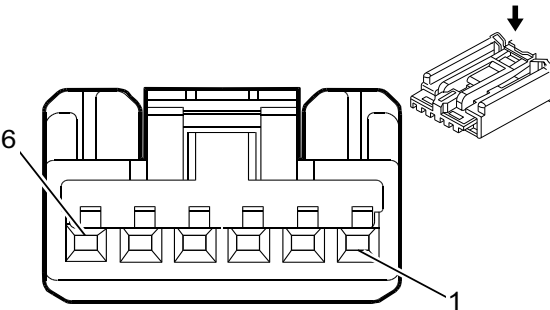
Terminal Part Information

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

X83 Auxiliary Audio Input X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BK/WH	2051	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	RD/VT	340	Battery Positive Voltage	I	—

X83 Auxiliary Audio Input X1



1862240

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15269798
Service Connector: 19367517
Description: 6-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

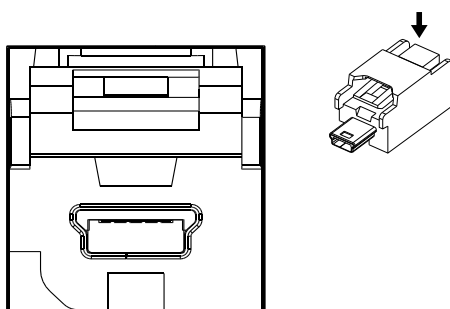
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X83 Auxiliary Audio Input X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BK/WH	2051	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	RD/VT	340	Battery Positive Voltage	I	—

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X83 Auxiliary Audio Input X2



3214018

Connector Part Information

Harness Type: Instrument Panel USB

OEM Connector: 13584747

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way M 2.0 Mini-B USB Type (GY)

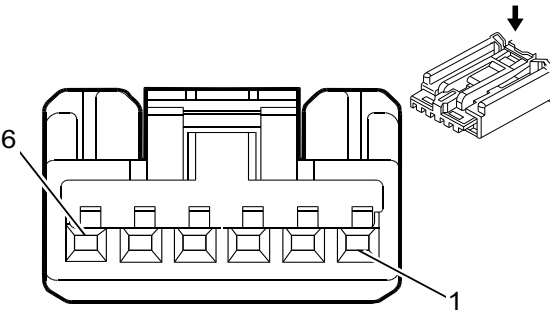
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X83 Auxiliary Audio Input X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X83R Auxiliary Audio Input - Rear X1



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

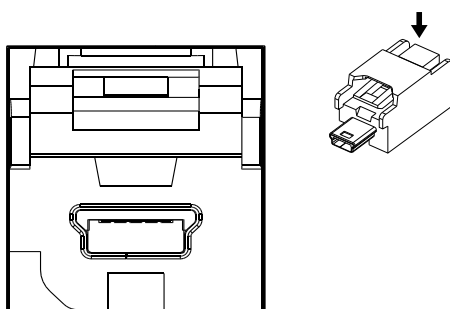
Terminal Part Information

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

X83R Auxiliary Audio Input - Rear X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.35	BK/WH	2051	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	RD/VT	340	Battery Positive Voltage	I	—

X83R Auxiliary Audio Input - Rear X2



3214018

Connector Part Information

Harness Type: Floor Console USB

OEM Connector: 13584747

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way M 2.0 Mini-B USB Type (GY)

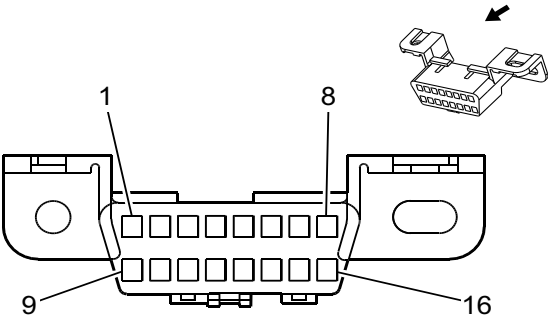
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X83R Auxiliary Audio Input - Rear X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	USB	—	USB Serial Data	I	—

X84 Data Link Connector



68793

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 12110250
Service Connector: 12110250
Description: 16-Way F 150 Metri-Pack Series (BK)

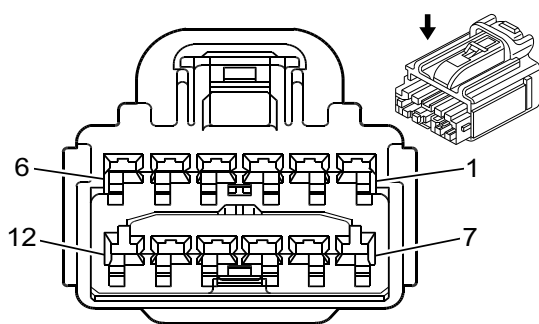
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575724	J-35616-14 (GN)	J-38125-12A	12129484	Delphi 19	E	C
II	13580059	J-35616-14 (GN)	J-38125-12A	12129484	Delphi 19	E	A
III	13580059	J-35616-14 (GN)	J-38125-12A	12129484	Delphi 19	E	C

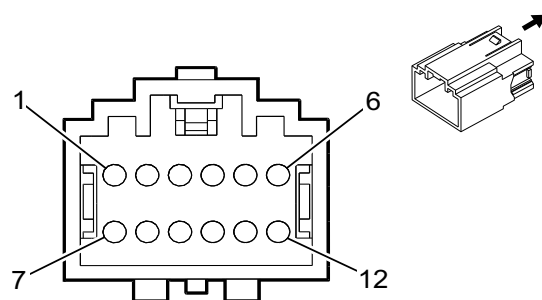
X84 Data Link Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	5060	Low Speed GMLAN Serial Data	III	—
2 - 3	—	—	—	Not Occupied	—	—
4	0.5	BK	2050	Ground	III	—
5	0.75	BK/WH	2151	Signal Ground	II	—
6	0.35	L-BU	2500	High Speed GMLAN Serial Data (+) 1	I	—
7 - 11	—	—	—	Not Occupied	—	—
12	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) 2	III	—
13	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	III	—
14	0.35	WH	2501	High Speed GMLAN Serial Data (-) 1	I	—
15	—	—	—	Not Occupied	—	—
16	0.5	RD/WH	640	Battery Positive Voltage	III	—

X85 Steering Wheel Air Bag Coil X1



1856789



3240100

Connector Part Information

Harness Type: Right Rear Door
 OEM Connector: 7283-3442-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
 OEM Connector: 7282-3442-40
 Service Connector: 88988266
 Description: 12-Way M 1.5 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-3 (GY)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

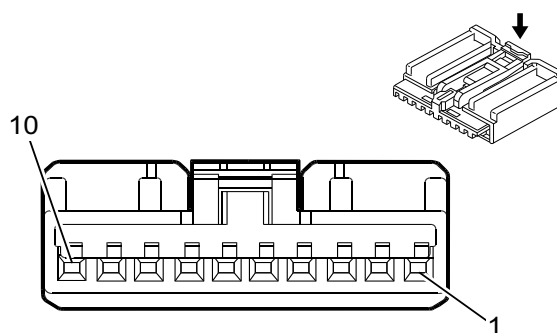
X85 Steering Wheel Air Bag Coil X1

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	OG/BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	2	0.35	OG/BN	3479	III	—
3	0.5	OG/L-GN	3475	I	—	Passenger Seat Belt Retractor Pretensioner High Control	3	0.35	OG/L-GN	3475	III	—
4	1	L-BU/BK	115	I	—	Right Rear Speaker Signal (-)	4	1	L-BU/BK	115	II	—
5	0.35	GY	748	I	—	Right Rear Door Ajar Switch Signal	5	0.35	GY	748	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

X85 Steering Wheel Air Bag Coil X1 (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	GY/OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	8	0.35	GY/OG	3480	III	—
9	0.5	WH/OG	3476	I	—	Passenger Seat Belt Retractor Pretensioner Low Control	9	0.35	WH/OG	3476	III	—
10	1	WH	46	I	—	Right Rear Speaker Control (+)	10	1	WH	46	II	—
11	0.35	BK	3450	I	—	Ground	11	0.5	BK	3450	II	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—

X85 Steering Wheel Air Bag Coil X2



1862241

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: AIT2PB-10-1AK

Service Connector: 13576634

Description: 10-Way F 0.64 Kaizen Series (BK)

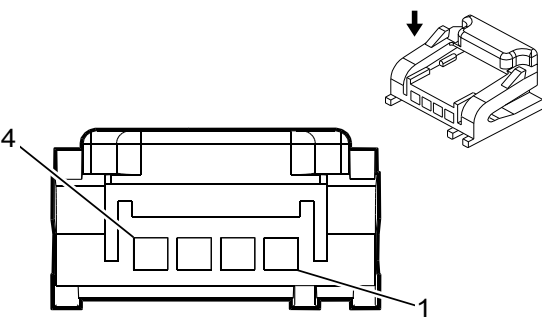
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

X85 Steering Wheel Air Bag Coil X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-GN/WH	3287	Horn Switch Signal	II	—
2	0.5	BK	2050	Ground	I	—
3	0.35	BN/L-GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	II	—
4	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal 1	II	—
5	0.35	WH/RD	1444	12V Reference	II	—
6	0.35	BN	6136	Control	II	—
7	0.35	GY/L-GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	II	—
8	—	—	—	Not Occupied	—	—
9	0.5	L-GN/BK	3894	Local Interconnect Network Serial Data Bus 12	I	—
10	0.35	RD/YE	3040	Battery Positive Voltage	II	—

X85 Steering Wheel Air Bag Coil X3



1399226

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 15393421
Service Connector: 13580115
Description: 4-Way F 0.64 Micro-Pack Series (YE)

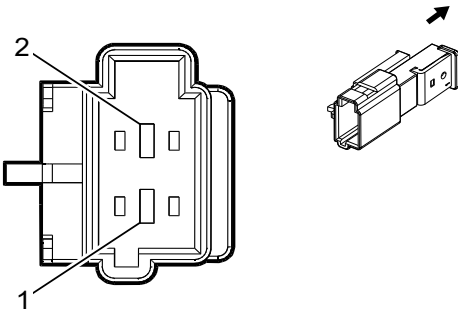
Terminal Part Information

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

X85 Steering Wheel Air Bag Coil X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH/OG	3020	Steering Wheel Module Stage 1 Low Control	I	—
2	0.35	OG/L-GN	3021	Steering Wheel Module Stage 1 High Control	I	—
3	0.35	BN/OG	3022	Steering Wheel Module Stage 2 Low Control	I	—
4	0.35	OG/VT	3023	Steering Wheel Module Stage 2 High Control	I	—

X85 Steering Wheel Air Bag Coil X4



2339581

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1563190-1
Service Connector: 13574780
Description: 2-Way M 1.6 Timer Series (BK)

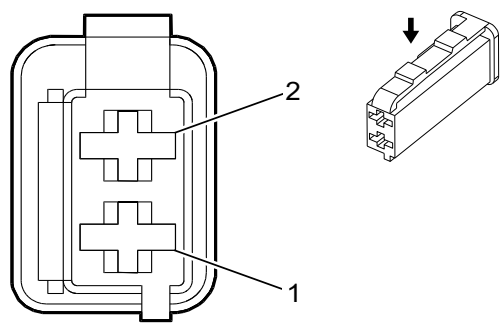
Terminal Part Information

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

X85 Steering Wheel Air Bag Coil X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
2	0.5	BK	2050	Ground	I	—

X85 Steering Wheel Air Bag Coil X5 (UVD)



2339593

Connector Part Information

Harness Type: Steering Wheel
OEM Connector: 19179871
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.6 Timer Series (BK)

Terminal Part Information

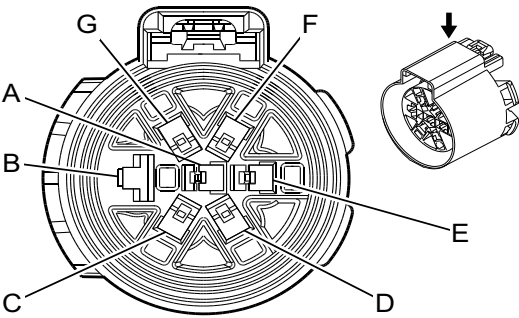
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X85 Steering Wheel Air Bag Coil X5 (UVD)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
2	0.75	BK	2050	Ground	I	—

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X88 Trailer Connector



2056936

Connector Part Information

Harness Type: Chassis
OEM Connector: 13857223
Service Connector: 13583927
Description: 7-Way F 280, 630 Metri-Pack Series, Sealed (BK)

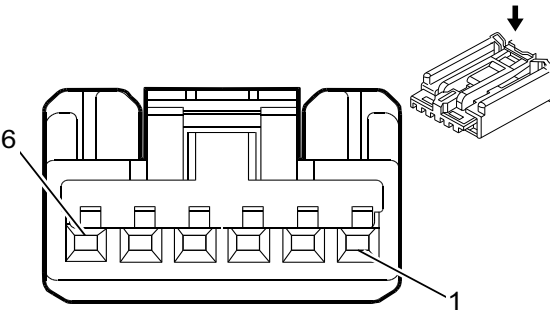
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X88 Trailer Connector

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	GY	1624	Trailer Backup Lamp Control	II	—
B	6	BK	22	Trailer Ground	I	—
C	2.5	L-BU	47	Trailer Auxiliary Control	II	—
D	0.75	L-GN	1619	Right Rear Trailer Stop/Turn Lamp Control	II	—
E	4	OG	742	Battery Positive Voltage	II	—
F	1.5	BN	2109	Trailer Park Lamp Control	II	—
G	0.75	YE	1618	Left Rear Trailer Stop/Turn Lamp Control	II	—

X92RA USB Receptacle - Rear Compartment



1862240

Connector Part Information

Harness Type: Floor Console
OEM Connector: AIT2PB-06-1AK
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

Terminal Part Information

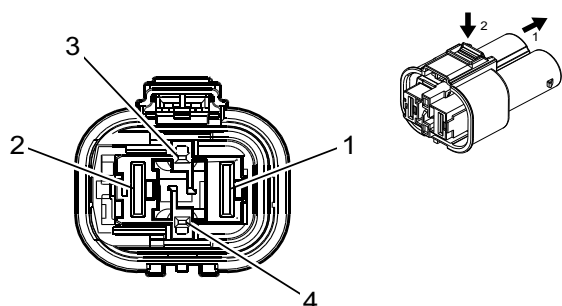
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X92RA USB Receptacle - Rear Compartment

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.5	BK/WH	2051	Signal Ground	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	RD/VT	340	Battery Positive Voltage	I	—

Inline Harness Connector End Views

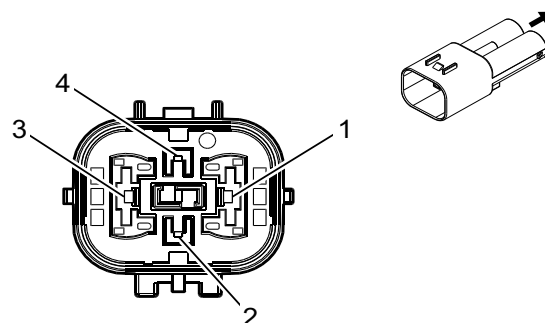
X100 Battery Cable Harness to Power Steering Harness



4847569

Connector Part Information

Harness Type: Battery Cable
 OEM Connector: 13514495
 Service Connector: Service by Harness - See Part Catalog
 Description: 4-Way F 1.2, 9.5 MCON Series (BK)



4694999

Connector Part Information

Harness Type: Power Steering
 OEM Connector: 5-2286733-1
 Service Connector: Service by Harness - See Part Catalog
 Description: 4-Way M 1.2, 9.5 MCON Series (BK)

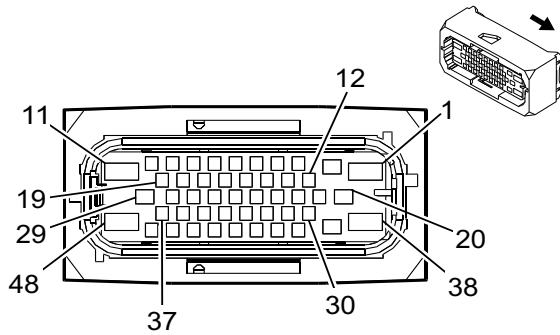
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

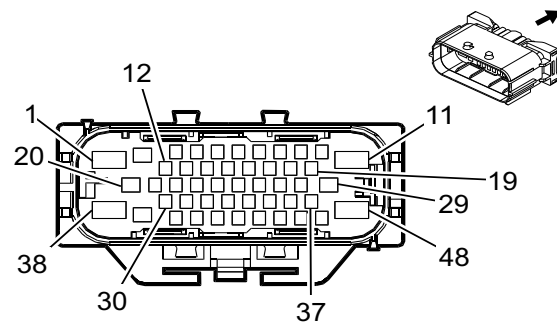
X100 Battery Cable Harness to Power Steering Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	10	RD/VT	842	I	—	Battery Positive Voltage	1	10	RD/VT	842	II	—
2	10	BK	1050	I	—	Ground	2	10	BK	1050	II	—
3-4	—	—	—	—	—	Not Occupied	3-4	—	—	—	—	—

X101 Engine Harness to Body Harness



3931602



3924401

Connector Part Information

Harness Type: Engine
 OEM Connector: 15509585
 Service Connector: 19329744
 Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series,
 Sealed (BK)

Connector Part Information

Harness Type: Body
 OEM Connector: 15513438
 Service Connector: 19356277
 Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13578922	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13579914	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	Not Available	Not Available
III	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	A	B
IV	13579986	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13584458	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	Not Available	Not Available
VI	13584463	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	19329758	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VIII	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IX	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
X	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XI	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XII	13584548	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIII	-	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIV	-	J-35616-43 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X101 Engine Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	YE/VT	1553	III	—	Transfer Case Motor Counter Clockwise Control	1	2.5	YE/VT	1553	XIV	—
2	0.75	VT/GY	139	I	—	Run/Crank Ignition 1 Voltage	2	0.75	VT/GY	139	XII	—
3	0.75	VT/GY	139	VIII	—	Run/Crank Ignition 1 Voltage	3	0.75	VT/GY	139	XI	—
4	0.5	WH/L-GN	7475	VIII	—	Incremental Encoder Sensor 8V Reference	4	0.5	WH/L-GN	7475	XI	—
5	0.5	WH/L-BU	6311	VIII	—	Cruise/ETC/TCC Brake Signal	5	0.5	WH/L-BU	6311	XI	—
6	0.5	BK/VT	1272	VII	—	Accelerator Pedal Position Low Reference 2	6	0.5	BK/VT	1272	X	—
7	0.5	BN/WH	419	VIII	—	Check Engine Indicator Control	7	0.5	BN/WH	419	XI	—
8	0.5	BN/RD	1274	VII	—	Accelerator Pedal Position 5V Reference 2	8	0.5	BN/RD	1274	X	—
9	0.5	YE	7474	VIII	—	Incremental Encoder Direction Signal	9	0.5	YE	7474	XI	—
10	0.75	L-BU/BN	7573	VIII	—	Electric Variable Displacement Supply	10	0.5	L-BU/BN	7573	XI	—
11	0.75	BK	1450	II	—	Ground	11	0.75	BK	1450	XIII	—
12	0.5	BK	1782	VIII	—	Low Reference	12	0.5	BK	1782	XI	—
13	0.5	L-GN/GY	465	VIII	—	Fuel Pump Primary Relay Control	13	0.5	L-GN/GY	465	XI	—
14	0.5	WH/BK	2366	VIII	—	Cooling Fan Control Relay Speed Signal	14	0.5	WH/BK	2366	XI	—
15	0.5	L-BU/WH	890	VIII	—	Fuel Tank Pressure Sensor Signal	15	0.5	L-BU/WH	890	XI	—
16	0.5	YE/RD	2709	VIII	—	Fuel Tank Pressure Sensor 5V Reference	16	0.5	YE/RD	2709	XI	—
17	0.5	BK/L-GN	6281	VIII	—	Fuel Level Sensor Low Reference	17	0.5	BK/L-GN	6281	XI	—

X101 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
18	0.5	L-BU/ VT	1589	VIII	—	Primary Fuel Level Sensor Signal	18	0.5	L-BU/ VT	1589	XI	—
19	0.75	L-BU/ YE	7574	VIII	—	Electric Variable Displacement Control	19	0.5	L-BU/ YE	7574	XI	—
20	2.5	YE/ BN	1569	IV	LGZ LWN	Transfer Case Lock Solenoid Control	20	2.5	YE/ BN	1569	IX	—
	2.5	YE/ BN	1569	V		Transfer Case Lock Solenoid Control						
21	0.5	BK/ YE	7447	VIII	LGZ LWN	Fuel Line Pressure Sensor Low Reference	21	0.5	BK/ YE L-GN/ BN	7447 507	XI XI	LGZ LWN
	0.5	L-GN/ BN	507	VIII		Wait To Start Indicator Control						
22	0.5	L-BU/ GY	7473	VIII	—	Incremental Encoder Impulse Signal	22	0.5	L-BU/ GY	7473	XI	—
23	0.5	L-GN/ WH	1162	VII	—	Accelerator Pedal Position Signal 2	23	0.5	L-GN/ WH	1162	X	—
24	0.5	BK/L- BU	1271	VII	—	Accelerator Pedal Position Low Reference 1	24	0.5	BK/L- BU	1271	X	—
25	0.5	WH/ RD	1164	VII	—	Accelerator Pedal Position 5V Reference 1	25	0.5	WH/ RD	1164	X	—
26	0.5	WH	1310	VIII	—	EVAP Canister Vent Solenoid Control	26	0.5	WH	1310	XI	—
27	0.5	WH/ RD	7477	VIII	—	Rotary Position Sensor 5V Reference	27	0.5	WH/ RD	7477	XI	—
28	0.5	BN	6305	VIII	LGZ NQ6+ (LCV/ LWN)	Brake Vacuum Switch Signal	28	0.5	BN WH/ L-GN	6305 7479	XI XI	LGZ NQ6+ (LCV/LWN)
	0.5	WH/ L-GN	7479	VIII		Rotary Position Sensor Signal						
29	2.5	BN/ VT	1470	IV	LGZ NQ6+ (LCV/ LWN)	Brake Booster Pump Motor Control	29	2.5	BN/ VT YE/ BK	1470 7478	IX XII	LGZ NQ6+ (LCV/LWN)
	0.5	YE/ BK	7478	VI		Rotary Position Sensor Low Reference						

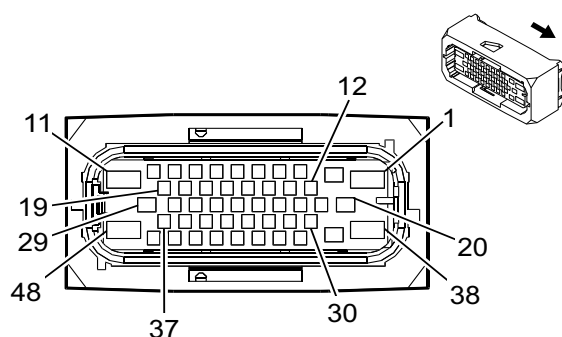
X101 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
30	0.5	BK/L-BU	61	VIII	—	Outside Ambient Temperature Sensor Low Reference	30	0.5	BK/L-BU	61	XI	—
31	0.5	L-BU/GY	636	VIII	—	Outside Ambient Air Temperature Sensor Signal	31	0.5	L-BU/GY	636	XI	—
32	0.5	YE/WH	1161	VII	—	Accelerator Pedal Position Signal 1	32	0.5	YE/WH	1161	X	—
33	0.5	BK/YE	5382	VIII	MYB	Brake Position Sensor Low Reference	33	0.5	BK/YE	5382	XI	MYB
	0.5	BK/GY	6110	VIII	N8D	Clutch Apply Sensor Low Reference		0.5	BK/GY	6110	XI	N8D
34	0.5	WH/L-GN	5380	VIII	MYB	Brake Position Sensor Signal	34	0.5	WH/L-GN	5380	XI	MYB
	0.5	YE	6111	VIII	N8D	Clutch Apply Sensor Signal		0.5	YE	6111	XI	N8D
35	0.5	WH/RD	5381	VIII	MYB	Brake Position Sensor 5V Reference	35	0.5	WH/RD	5381	XI	MYB
	0.5	GY/RD	6109	VIII	N8D	Clutch Apply Sensor 5V Reference		0.5	GY/RD	6109	XI	N8D
36	0.5	L-BU/BK	7493	VIII	LCV	High Speed GMLAN Serial Data (+)3	36	0.5	L-BU/BK	7493	XI	—
	0.5	L-BU/YE	7493	VIII	LGZ	High Speed GMLAN Serial Data (+)3						
37	0.5	WH	7494	VIII	—	High Speed GMLAN Serial Data (-)3	37	0.5	WH	7494	XI	—
38	2.5	YE/GY	1552	III	—	Transfer Case Motor Clockwise Control	38	2.5	YE/GY	1552	XIV	—
39	2.5	RD/GY	1342	IV	NQ6	Battery Positive Voltage	39	2.5	RD/GY	1342	IX	—
	2.5	RD/GY	1342	V	NQ7	Battery Positive Voltage						
40	0.5	BK/L-BU	6813	VIII	—	Coolant Temperature Sensor 2 Low Reference	40	0.5	BK/L-BU	6813	XI	—

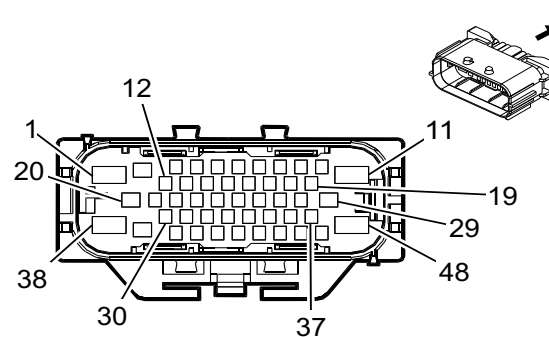
X101 Engine Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
41	0.5 0.5	YE/ BK L-BU/ BK	3000 7116	VIII VIII	LCV LWN	Coolant Temperature Sensor 2 Signal Front Axle Differential Lock Control	41	0.5 0.5	YE/ BK L-BU/ BK	3000 7116	XI XI	LCV LWN
42	0.5	VT/ YE	5985	VIII	—	Accessory Wakeup Serial Data	42	0.5	VT/ YE	5985	XI	—
43	0.5	VT	7476	VIII	—	Incremental Encoder Sensor Low Reference	43	0.5	VT	7476	XI	—
44	0.5	L-BU/ WH	7446	VIII	—	Fuel Line Pressure Sensor Signal	44	0.5	L-BU/ WH	7446	XI	—
45	0.5	GY	3890	VIII	—	Aero Shutter Control 2	45	0.5	GY	3890	XI	—
46	0.5	L-BU	2500	VIII	—	High Speed GMLAN Serial Data (+) 1	46	0.5	L-BU	2500	XI	—
47	0.5	WH	2501	VIII	—	High Speed GMLAN Serial Data (-) 1	47	0.5	WH	2501	XI	—
48	0.5	BN/ RD	7445	II	—	Fuel Line Pressure Sensor 5V Reference	48	0.5	BN/ RD	7445	XIII	—

X102 Forward Lamp Harness to Body Harness



3620765



3240126

Connector Part Information

Harness Type: Forward Lamp
 OEM Connector: 15509588
 Service Connector: 19356278
 Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series,
 Sealed (YE)

Connector Part Information

Harness Type: Body
 OEM Connector: 15513436
 Service Connector: 19301796
 Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-14 (GN)	J-3125-560	Not Available	Not Available	Not Available	Not Available
II	13578922	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	A	B
IV	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	C	A
V	19329758	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VI	-	J-35616-14 (GN)	J-3125-560	Not Available	Not Available	Not Available	Not Available
VII	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VIII	13327188	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	13327190	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XI	13580836	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XII	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XIII	13584548	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIV	-	J-35616-43 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X102 Forward Lamp Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	BN/VT	1470	III	—	Brake Booster Pump Motor Control	1	2.5	BN/VT	1470	XIV	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.75	WH/VT	1430	VII	—	Exterior Courtesy Lamp Control	3	0.75	WH/VT	1430	XII	—
4 - 5	—	—	—	—	—	Not Occupied	4 - 5	—	—	—	—	—
6	0.75	VT/GY	709	VII	—	Left Park Lamp Control	6	0.5	VT/GY	709	XII	—
7	—	—	—	—	—	Not Occupied	7	—	—	—	—	—
8	0.75	GY/BN	309	VII	—	Right Park Lamp Control	8	0.5	GY/BN	309	XII	—
9	—	—	—	—	—	Not Occupied	9	—	—	—	—	—
10	1.5	WH	92	I	—	Windshield Wiper Motor High Speed Control Windshield Wiper Motor High Speed Control	10	1.5 1.5	WH WH	92 92	XIV XI	— —
11	1.5	YE/BN	95	IV	—	Windshield Wiper Motor Low Speed Control	11	1.5	YE/BN	95	XIV	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	OG/YE	354	V	—	Left Front Discriminating Sensor Signal	13	0.5	OG/YE	354	X	—
14	0.5	BK/OG	5045	V	—	Left Front Discriminating Sensor Low Reference	14	0.5	BK/OG	5045	X	—
15	0.5	BN/GN	109	VII	—	Hood Ajar Switch Signal	15	0.5	BN/GN	4064	XII	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.35	VT/GY	1054	VI	—	Stop Lamp Control	17	0.35 0.35	VT/GY VT/GY	1054 1054	VIII IX	— —
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	1.5	YE	312	I	—	Right Headlamp Low Beam Control	19	1.5	YE	312	XI	—

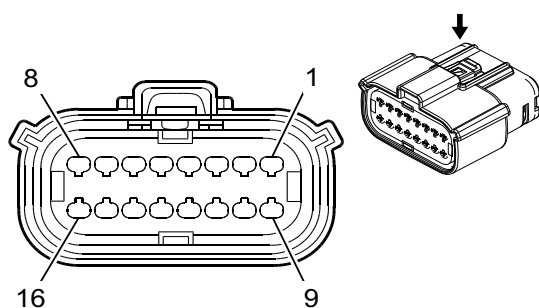
X102 Forward Lamp Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20	—	—	—	—	—	Not Occupied	20	—	—	—	—	—
21	0.5	OG/GN	1409	V	—	Right Front Discriminating Sensor Signal	21	0.5	OG/GN	1409	X	—
22	0.5	BK/OG	5600	V	—	Right Front Discriminating Sensor Low Reference	22	0.5	BK/OG	5600	X	—
23	—	—	—	—	—	Not Occupied	23	—	—	—	—	—
24	0.5	WH/BK	2366	VII	—	Cooling Fan Control Relay Speed Signal	24	0.5	WH/BK	2366	XII	—
25	0.5	VT	185	VII	—	Low Washer Fluid Indicator Control	25	0.35	VT	185	VIII	—
26	0.5	BU/GY	636	VII	—	Outside Ambient Air Temperature Sensor Signal	26	0.5	BU/GY	636	XII	—
27	0.5	BK/BU	61	VII	—	Outside Ambient Temperature Sensor Low Reference	27	0.5	BK/BU	61	XII	—
28	—	—	—	—	—	Not Occupied	28	—	—	—	—	—
29	0.75	GN/VT	1315	II	—	Right Front Turn Signal Lamp Control	29	0.75	GN/VT	1315	XIII	—
30 - 34	—	—	—	—	—	Not Occupied	30 - 34	—	—	—	—	—
35	0.5	GY	3890	VII	—	Aero Shutter Control 2	35	0.5	GY	3890	XII	—
36	—	—	—	—	—	Not Occupied	36	—	—	—	—	—
37	1.5	YE	712	I	—	Left Headlamp Low Beam Control	37	1.5	YE	712	XI	—
38	1.5	BK	3150	IV	—	Ground	38	1.5	BK	3150	XIV	—
39	—	—	—	—	—	Not Occupied	39	—	—	—	—	—
40	1	VT/WH	7256	VI	—	Front Differential Lock Actuator Supply Voltage	40	1	VT/WH	7256	X	—

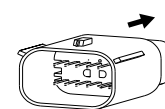
X102 Forward Lamp Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
41	1	VT/ BN	7258	VI	—	Rear Differential Lock Actuator Supply Voltage	41	1	VT/ BN	7258	X	—
42 - 43	—	—	—	—	—	Not Occupied	42 - 43	—	—	—	—	—
44	0.5	YE/ BK	3000	VII	—	Coolant Temperature Sensor 2 Signal	44	0.5	YE/ BK BU/ WH	3000	XII	—
	0.5	BU/ WH	7120	VII	—	Rear Axle Differential Lock Control				7120	XII	—
	0.5	BU/ WH	7120	V	—	Rear Axle Differential Lock Control						
45	0.5	BK/ BU	6813	VII	—	Coolant Temperature Sensor 2 Low Reference	45	0.5	BK/ BU	6813	XII	—
46	—	—	—	—	—	Not Occupied	46	—	—	—	—	—
47	0.75	BU/ WH	1314	VII	—	Left Front Turn Signal Lamp Control	47	0.75	BU/ WH	1314	XII	—
48	1.5	BN	2109	IV	—	Trailer Park Lamp Control	48	1.5	BN	2109	XIV	—

X103 Chassis Harness to Power Steering Harness



2548389



2548390

Connector Part Information

Harness Type: Chassis
 OEM Connector: 33472-1606
 Service Connector: 13584788
 Description: 16-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Power Steering
 OEM Connector: 33482-8601
 Service Connector: Service by Harness - See Part Catalog
 Description: 16-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

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

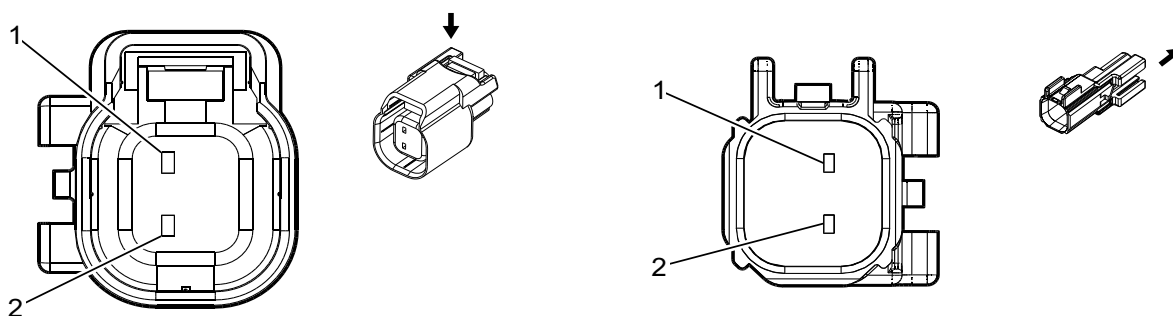
X103 Chassis Harness to Power Steering Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	VT/BK	2139	I	—	Run/Crank Ignition 1 Voltage	1	0.75	VT/BK	2139	III	—
2	0.5	WH	2501	II	—	High Speed GMLAN Serial Data (-) 1	2	0.5	WH	2501	III	—
3	0.5	L-BU	2500	II	—	High Speed GMLAN Serial Data (+) 1	3	0.5	L-BU	2500	III	—
4	0.5	WH	6106	II	—	High Speed GMLAN Serial Data (-) 2	4	0.5	WH	6106	III	—
5	0.5	L-BU/YE	6105	II	—	High Speed GMLAN Serial Data (+) 2	5	0.5	L-BU/YE	6105	III	—
6	0.5	GY/BK	1570	II	—	Front Axle Actuator Control	6	0.5	GY/BK	1570	III	—

X103 Chassis Harness to Power Steering Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.5	RD/BN	5940	II	—	Battery Positive Voltage	7	0.5	RD/BN	5940	III	—
8	0.5	WH/L-BU	5986	II	—	Serial Data Communication Enable	8	0.5	WH/L-BU	5986	III	—
9	0.5	WH	2501	II	—	High Speed GMLAN Serial Data (-) 1	9	0.5	WH	2501	III	—
10	0.5	L-BU	2500	II	—	High Speed GMLAN Serial Data (+) 1	10	0.5	L-BU	2500	III	—
11	0.5	WH	6106	II	—	High Speed GMLAN Serial Data (-) 2	11	0.5	WH	6106	III	—
12	0.5	L-BU/YE	6105	II	—	High Speed GMLAN Serial Data (+) 2	12	0.5	L-BU/YE	6105	III	—
13	0.75	BK	1450	I	—	Ground	13	0.75	BK	1450	III	—
14	0.5	YE/WH	1695	II	—	Four Wheel Drive Wheel Lock Indicator Control	14	0.5	YE/WH	1695	III	—
15	1	VT/WH	7256	I	—	Front Differential Lock Actuator Supply Voltage	15	1	VT/WH	7256	III	—
16	1	WH/BK	7254	I	—	Front Differential Lock Actuator Low Control	16	1	WH/BK	7254	III	—

X104 Forward Lamp Harness to Forward Lamp Extension Harness



3653749

3271068

Connector Part Information

Harness Type: Forward Lamp
 OEM Connector: 34062-0038
 Service Connector: -
 Description: 2-Way F 1.5 Series, Sealed (BK)

Connector Part Information

Harness Type: Forward Lamp Extension
 OEM Connector: 34675-0001
 Service Connector: Service by Harness - See Part Catalog
 Description: 2-Way M 1.5 Series, Sealed (BK)

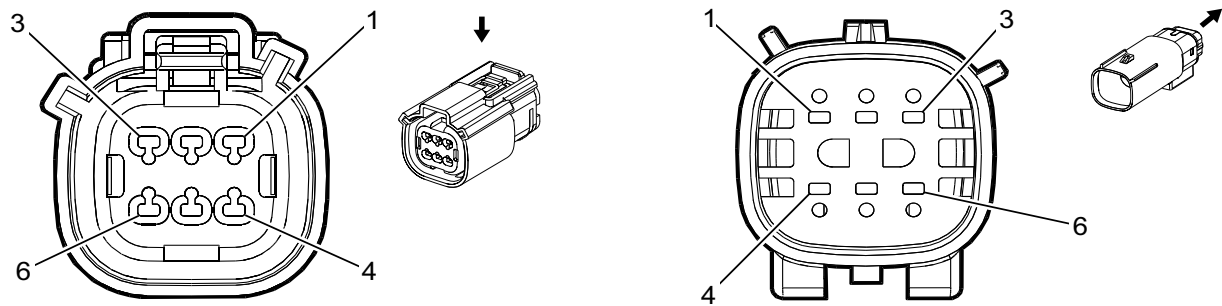
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X104 Forward Lamp Harness to Forward Lamp Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	YE/BK	3000	I	—	Coolant Temperature Sensor 2 Signal	1	0.5	YE/BK	3000	II	—
2	0.5	BK/L-BU	6813	I	—	Coolant Temperature Sensor 2 Low Reference	2	0.5	BK/L-BU	6813	II	—

X105 Forward Lamp Harness to Ambient Temperature Sensor Extension Harness



3225042

3225221

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0607
Service Connector: 19301527
Description: 6-Way F 150 MX Series, Sealed (GY)

Connector Part Information

Harness Type: Ambient Temperature Sensor Extension
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

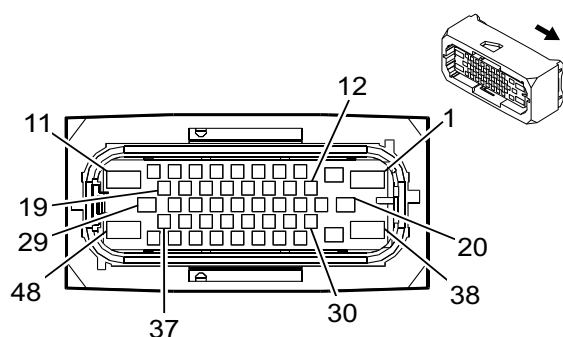
Terminal Part Information

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

X105 Forward Lamp Harness to Ambient Temperature Sensor Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BK	1250	I	—	Ground	1	0.75	BK	1250	II	—
2	0.5	WH/VT	4333	I	—	Aero Shutter Actuator Control	2	0.5	WH/VT	4333	II	—
3	0.5	GY	3890	I	—	Aero Shutter Control 2	3	0.5	GY	3890	II	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	L-BU/GY	636	I	—	Outside Ambient Air Temperature Sensor Signal	5	0.5	L-BU/GY	636	II	—
6	0.5	BK/L-BU	61	I	—	Outside Ambient Temperature Sensor Low Reference	6	0.5	BK/L-BU	61	II	—

X106 Body Harness to Chassis Harness



3240124

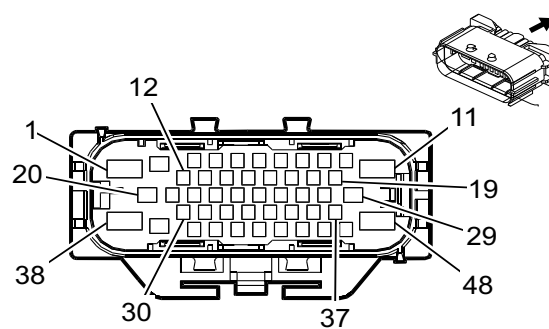
Connector Part Information

Harness Type: Body

OEM Connector: 15509587

Service Connector: 19119963

Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series, Sealed (GY)



3240125

Connector Part Information

Harness Type: Chassis

OEM Connector: 15513437

Service Connector: 13586850

Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-14 (GN)	J-3125-560	Not Available	Not Available	Not Available	Not Available
II	13579914	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	Not Available	Not Available
III	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	A	B
IV	13579921	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	B	G
V	13584458	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	Not Available	Not Available
VI	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VII	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13580836	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	19368304	J-35616-43 (RD)	J-38125-557	Not Available	Not Available	Not Available	Not Available
XI	-	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XII	-	J-35616-43 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X106 Body Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	4	RD/GY	1042	IV	—	Battery Positive Voltage	1	4	RD/GY	1042	X	—

X106 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
2	2.5	RD/ YE	442	V	—	Battery Positive Voltage	2	2.5	RD/ YE	442	VII	—
3	0.75	GY	1624	VI	—	Trailer Backup Lamp Control	3	0.75	GY	1624	IX	—
4	0.75	L-GN	1619	VI	—	Right Rear Trailer Stop/ Turn Lamp Control	4	0.75	L-GN	1619	IX	—
5	0.75	YE	1618	VI	—	Left Rear Trailer Stop/ Turn Lamp Control	5	0.75	YE	1618	IX	—
6	0.5	BN/ GY	2609	VI	—	Right Rear Park Lamp Control	6	1.5	BN/ GY	2609	VIII	—
7	0.5	L-GN/ WH	24	VI	—	Backup Lamp Control	7	0.5	L-GN/ WH	24	IX	—
8	0.5	L-GN/ YE	6846	VI	—	Rear License Lamp Control	8	0.5	L-GN/ YE	6846	IX	—
9	0.5 0.5	VT/ YE L-GN/ BK	5985 7633	VI VI	LCV LWN	Accessory Wakeup Serial Data Integrated Trailer Brake Controller User Gain Signal	9	0.5 0.5	VT/ YE L-GN/ BK	5985 7633	IX IX	LCV LWN
10	0.75	VT/ BK	2139	VI	—	Run/Crank Ignition 1 Voltage	10	0.75	VT/ BK	2139	IX	—
11	0.75	BK	1450	II	—	Ground	11	0.75	BK	1450	XI	—
12	1.5	GY/ YE	7542	I	—	Left Rear Stop Lamp Control	12	1.5	GY/ YE	7542	VIII	—
13	0.5	VT/L- GN	1739	VI	—	Run/Crank Ignition 1 Voltage	13	0.5	VT/L- GN	1739	IX	—
14	0.5	BN/L- BU	2509	VI	—	Left Rear Park Lamp Control	14	1.5	BN/L- BU	2509	VIII	—
15	1.5	WH/ YE	7541	I	—	Right Rear Stop Lamp Control	15	1.5	WH/ YE	7541	VIII	—
16	0.75	VT/ GY	139	VI	—	Run/Crank Ignition 1 Voltage	16	0.75	VT/ GY	139	IX	—
17	0.75 0.5	VT/ GY L-BU/ RD	139 7632	VI VI	LCV LWN	Run/Crank Ignition 1 Voltage Integrated Trailer Brake Controller Switch 5V Reference	17	0.75 0.5	VT/ GY L-BU/ RD	139 7632	IX IX	LCV LWN

X106 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
18	0.5	YE	7635	VI	—	Integrated Trailer Brake Controller Manual Apply Signal	18	0.5	YE	7635	IX	—
19	0.5	WH	2501	VI	—	High Speed GMLAN Serial Data (-) 1	19	0.5	WH	2501	IX	—
20	2.5	RD/VT	1940	V	—	Battery Positive Voltage	20	2.5	RD/VT	1940	VII	—
21	0.5	RD/BN	5940	VI	—	Battery Positive Voltage	21	0.5	RD/BN	5940	IX	—
22	0.5	BK/L-GN	6281	VI	—	Fuel Level Sensor Low Reference	22	0.5	BK/L-GN	6281	IX	—
23	0.5	L-BU/WH	890	VI	LCV LWN	Fuel Tank Pressure Sensor Signal	23	0.5	L-BU/WH	890	IX	LCV LWN
	0.5	L-BU/VT	1589	VI		Primary Fuel Level Sensor Signal		0.5	L-BU/VT	1589	IX	
24	0.5	YE/ RD	2709	VI	LCV LWN	Fuel Tank Pressure Sensor 5V Reference	24	0.5	YE/ RD	2709	IX	LCV LWN
	0.5	RD/L-GN	2440	VI		Battery Positive Voltage		0.5	RD/L-GN	2440	IX	
25	0.5	BK/L-GN BN BN	6281	VI	— LGZ LWN	Fuel Level Sensor Low Reference	25	0.5	BK/L-GN BN BN	6281	IX	— LGZ LWN
	0.5		6305	VI		Brake Vacuum Switch Signal		0.5		6305	IX	
	0.5		7634	VI		Integrated Trailer Brake Controller Redundant Manual Apply Signal		0.5		7634	IX	
	0.5							0.5				
26	0.5	WH/L-BU	5986	VI	—	Serial Data Communication Enable	26	0.5	WH/L-BU	5986	IX	—
27	0.5	L-GN/GY	465	VI	LCV LWN	Fuel Pump Primary Relay Control	27	0.5	L-GN/GY	465	IX	LCV LWN
	0.5	BK/BN	7631	VI		Integrated Trailer Brake Controller Switch Low Reference		0.5	BK/BN	7631	IX	
28	0.5	L-BU	2500	VI	—	High Speed GMLAN Serial Data (+) 1	28	0.5	L-BU	2500	IX	—

X106 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
29	2.5	RD/L-GN	242	V	—	Battery Positive Voltage	29	2.5	RD/L-GN	242	VII	—
30	0.5	GY/BK	1570	VI	—	Front Axle Actuator Control	30	0.5	GY/BK	1570	IX	—
31	0.5	YE/WH	1695	VI	—	Four Wheel Drive Wheel Lock Indicator Control	31	0.5	YE/WH	1695	IX	—
32	0.5	L-BU/VT	1589	VI	—	Primary Fuel Level Sensor Signal	32	0.5	L-BU/VT	1589	IX	—
	0.5	VT/BK	7121	VI	—	Rear Axle Differential Lock Low Reference		0.5	VT/BK	7121	IX	—
33	0.5	RD/L-GN	2440	VI	—	Battery Positive Voltage	33	0.5	RD/L-GN	2440	IX	—
	0.5	VT/YE	5985	VI	—	Accessory Wakeup Serial Data		0.5	VT/YE	5985	IX	—
34	0.5	WH	1310	VI	—	EVAP Canister Vent Solenoid Control	34	0.5	WH	1310	IX	—
	0.5	L-BU/WH	7120	VI	—	Rear Axle Differential Lock Control		0.5	L-BU/WH	7120	IX	—
	0.75	BN/WH	2374	VI	—	Object Sensor Control		0.75	BN/WH	2374	IX	—
35	0.5	YE	2375	VI	—	Left Rear Corner Object Sensor Signal	35	0.5	YE	2375	IX	—
	0.5	L-GN/BK	7118	VI	—	Front Axle Differential Lock Low Reference		0.5	L-GN/BK	7118	IX	—
	0.5	L-BU/BK	7493	VI	—	High Speed GMLAN Serial Data (+)3		0.5	L-BU/BK	7493	IX	—
36	0.5	YE/L-BU	2376	VI	—	Left Rear Middle Object Sensor Signal	36	0.5	YE/L-BU	2376	IX	—
	0.5	L-BU/BK	7116	VI	—	Front Axle Differential Lock Control		0.5	L-BU/BK	7116	IX	—
	0.5	BK WH	7494	VI	—	High Speed GMLAN Serial Data (-)3		0.5	BK WH	7494	IX	—
37	0.5	L-BU/YE	6105	VI	—	High Speed GMLAN Serial Data (+) 2	37	0.5	L-BU/YE	6105	IX	—

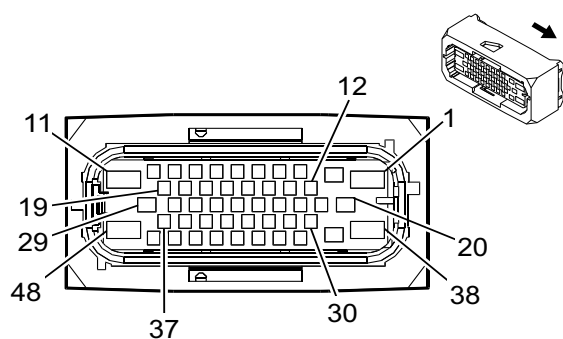
X106 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
38	4	OG	742	IV	—	Battery Positive Voltage	38	4	OG	742	X	—
39	1.5	BN	2109	V	—	Trailer Park Lamp Control	39	1.5	BN	2109	VII	—
40	0.5	L-GN	6974	VI	—	Camera Low Reference	40	0.5	L-GN	6974	IX	—
41	0.5	GY/ YE	6972	VI	—	Camera Signal 2 +	41	0.5	GY/ YE	6972	IX	—
42	0.5	WH/ L-BU	6973	VI	—	Camera Signal 2	42	0.5	WH/ L-BU	6973	IX	—
43	0.5	YE/ VT	2378	VI	—	Right Rear Corner Object Sensor Signal	43	0.5	YE/ VT	2378	IX	—
	0.5	VT/ GY	7117	VI	—	Front Axle Differential Lock		0.5	VT/ GY	7117	IX	—
	0.5	BK/ YE	7447	VI	—	Indicator Control		0.5	BK/ YE	7447	IX	—
						Fuel Line Pressure Sensor Low Reference						
44	0.5	YE/ WH	2377	VI	—	Right Rear Middle Object Sensor Signal	44	0.5	YE/ WH	2377	IX	—
	0.5	BK/ YE	7259	VI	—	Axle Differential Lock		0.5	BK/ YE	7259	IX	—
	0.5	L-BU/ WH	7446	VI	—	Switch Low Reference		0.5	L-BU/ WH	7446	IX	—
						Fuel Line Pressure Sensor Signal						
45	0.5	YE/L- GN	7122	VI	—	Axle Differential Lock Switch Signal	45	0.5	YE/L- GN	7122	IX	—
	0.5	BN/ RD	7445	VI	—	Fuel Line Pressure Sensor 5V Reference		0.5	BN/ RD	7445	IX	—
	0.75	BK/ GY	2379	VI	—	Object Sensor Low Reference		0.75	BK/ GY	2379	IX	—
46	0.5	WH	6106	VI	—	High Speed GMLAN Serial Data (-) 2	46	0.5	WH	6106	IX	—
47	0.5	YE	7115	VI	—	Rear Axle Differential Lock Indicator Control	47	0.5	YE	7115	IX	—
	0.75	WH/ VT	1430	VI	—	Exterior Courtesy Lamp Control		0.75	WH/ VT	1430	IX	—

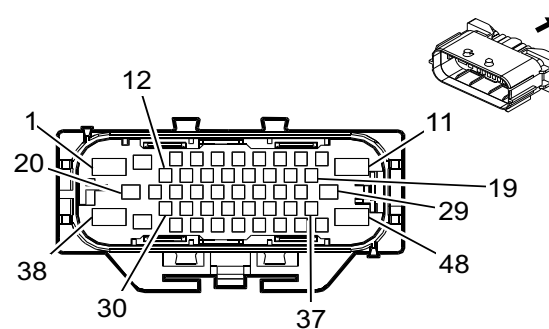
X106 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
48	2.5	GY	120	III	—	Fuel Pump Control	48	2.5	GY	120	XII	—
	2.5	RD/ VT	1940	III	—	Battery Positive Voltage		2.5	RD/ VT	1940	XII	—
	2.5	L-BU	47	III	—	Trailer Auxil- iary Control		2.5	L-BU	47	XII	—

X107 Engine Harness to Chassis Harness (LWN)



3931602



3924401

Connector Part Information

Harness Type: Engine
 OEM Connector: 15509585
 Service Connector: 19329744
 Description: 48-Way F 1.5 MCP, 2.8 JPT, 6.3 MCP Series,
 Sealed (BK)

Connector Part Information

Harness Type: Chassis
 OEM Connector: 15513438
 Service Connector: 19356277
 Description: 48-Way M 1.6, 2.8, 5.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I		J-35616-14 (GN)	J-3125-560	Not Available	Not Available	Not Available	Not Available
II	13579914	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	Not Available	Not Available
III	13579915	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	C	A
IV	13579921	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	B	G
V	13579986	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13584463	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
VIII	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	13580836	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XI	13584548	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XII	19368304	J-35616-43 (RD)	J-38125-557	Not Available	Not Available	Not Available	Not Available
XIII	-	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIV	-	J-35616-43 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available

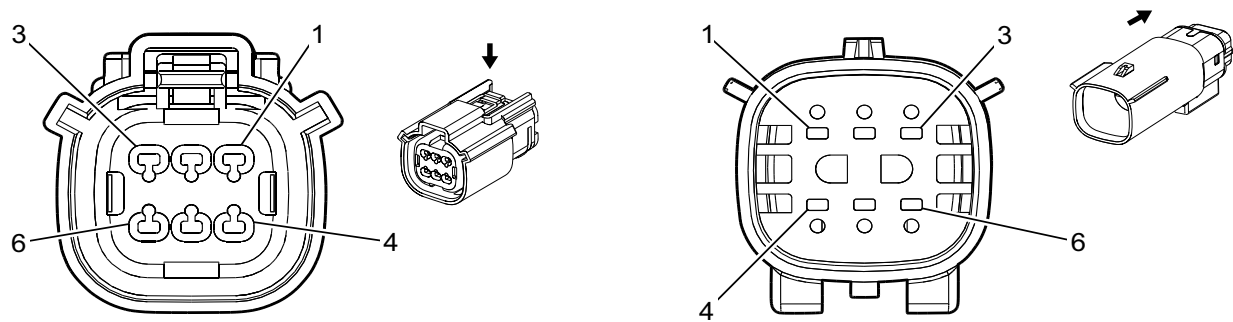
X107 Engine Harness to Chassis Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	VT/L-BU	3674	III	—	NOx Sensor 1 Control	1	1.5	VT/L-BU	3674	XIV	—
2	0.5	BN/L-BU	2926	VI	—	Hydrocarbon Injector High Control	2	0.5	BN/L-BU	2926	XI	—
3	0.5	VT/BN	2927	VII	—	Hydrocarbon Injector Low Control	3	0.5	VT/BN	2927	X	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.75	VT/GY	139	VII	—	Run/Crank Ignition 1 Voltage	5	0.75	VT/GY	139	X	—
6	0.5	L-BU/YE	6861	VII	—	Water In Fuel Sensor Signal	6	0.5	L-BU/YE	6861	X	—
7	1.5	VT/L-BU	3674	I	—	NOx Sensor 1 Control	7	1.5	VT/L-BU	3674	IX	—
8 - 9	—	—	—	—	—	Not Occupied	8 - 9	—	—	—	—	—
10	0.5	WH/RD	6054	VII	—	Exhaust Pressure Sensor 5V Reference 1	10	0.5	WH/RD	6054	X	—
11	0.5	BK/YE	6055	II	—	Exhaust Pressure Sensor Low Reference 1	11	0.5	BK/YE	6055	XIII	—
12	0.5	L-BU	6053	VII	—	Exhaust Pressure Sensor Signal 1	12	0.5	L-BU	6053	X	—
13	0.5	VT/L-GN	4320	VII	—	Selective Catalytic Reduction Power Module Wake-Up Signal	13	0.5	VT/L-GN	4320	X	—
14	0.5	BK/L-BU	6783	VII	—	Exhaust Gas Temperature Sensor 2 Low Reference	14	0.5	BK/L-BU	6783	X	—
15	0.5	L-BU/L-GN	5377	VII	—	Exhaust Gas Temperature Sensor 2	15	0.5	L-BU/L-GN	5377	X	—
16 - 17	—	—	—	—	—	Not Occupied	16 - 17	—	—	—	—	—
18	0.5	BK/L-GN	3657	VII	—	Exhaust Gas Temperature Sensor 3 Low Reference	18	0.5	BK/L-GN	3657	X	—
19	0.5	GY/L-GN	5378	VII	—	Exhaust Gas Temperature Sensor 3	19	0.5	GY/L-GN	5378	X	—

X107 Engine Harness to Chassis Harness (LWN) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20	0.5	BK/GY	3659	VI	—	Exhaust Gas Temperature Sensor 4 Low Reference	20	0.5	BK/GY	3659	XI	—
21	0.5	VT/BN	3658	VII	—	Exhaust Gas Temperature Sensor 4 Signal	21	0.5	VT/BN	3658	X	—
22	0.5	BK/VT	3661	VII	—	Exhaust Gas Temperature Sensor 5 Low Reference	22	0.5	BK/VT	3661	X	—
23	0.5	L-BU/GY	3660	VII	—	Exhaust Gas Temperature Sensor 5 Signal	23	0.5	L-BU/GY	3660	X	—
24 - 27	—	—	—	—	—	Not Occupied	24 - 27	—	—	—	—	—
28	0.5	L-BU/BN	4498	VII	—	High Speed GMLAN Serial Data (+) 7	28	0.5	L-BU/BN	4498	X	—
29	0.5	WH	4499	VI	—	High Speed GMLAN Serial Data (-) 7	29	0.5	WH	4499	XI	—
30	0.5	BN/GY	7072	VII	—	Sensor Fuel Temperature 1 Signal	30	0.5	BN/GY	7072	X	—
31	0.5	BN/WH	7073	VII	—	Sensor Fuel Temperature 1 Low Reference	31	0.5	BN/WH	7073	X	—
32 - 37	—	—	—	—	—	Not Occupied	32 - 37	—	—	—	—	—
38	4	L-BU	3921	IV	—	DEF Heater Supply 1	38	4	L-BU	3921	XII	—
39	2.5	L-BU/L-GN	7071	V	—	Heater Fuel Control	39	2.5	L-BU/L-GN	7071	VIII	—
40 - 48	—	—	—	—	—	Not Occupied	40 - 48	—	—	—	—	—

X108 Engine Harness to Cooling Fan Harness (LWN)



1986157

1986159

Connector Part Information

Harness Type: Engine
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Cooling Fan
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

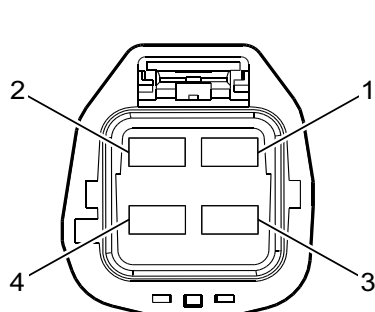
Terminal Part Information

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

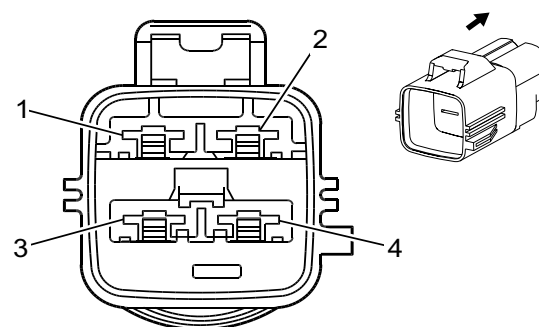
X108 Engine Harness to Cooling Fan Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	WH	2368	I	—	Cooling Fan Control Signal	2	0.5	WH	2368	II	—
3	0.5	GY/ RD	2365	I	—	Cooling Fan Speed 5V Reference	3	0.5	GY/ RD	2365	II	—
4	0.5	L-BU/ VT	2364	I	—	Cooling Fan Speed Signal	4	0.5	L-BU/ VT	2364	II	—
5	0.5	BK/ BN	6141	I	—	Cooling Fan Speed Low Reference	5	0.5	BK/ BN	6141	II	—
6	0.5	BK	550	I	—	Ground	6	0.5	BK	550	II	—

X109 Engine Harness to Forward Lamp Harness (LWN)



2852121



1853524

Connector Part Information

Harness Type: Engine
 OEM Connector: 7283-3108-10
 Service Connector: 13501883
 Description: 4-Way F 6.3 Series, Sealed (D-GY)

Connector Part Information

Harness Type: Forward Lamp
 OEM Connector: 7282-5595-10
 Service Connector: 13585864
 Description: 4-Way M 6.3 Series, Sealed (D-GY)

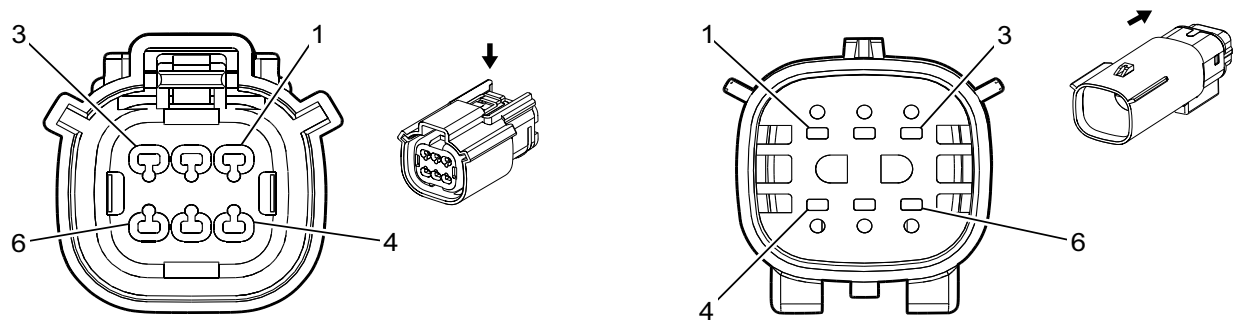
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-43 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X109 Engine Harness to Forward Lamp Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	6	BN/L-BU	104	I	—	Glow Plug Control	1	4	BN/L-BU	104	II	—
2	4	L-BU	3921	I	—	DEF Heater Supply 1	2	4	L-BU	3921	II	—
3	2.5	L-BU/L-GN	7071	I	—	Heater Fuel Control	3	2.5	L-BU/L-GN	7071	II	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—

X110 Forward Lamp Harness to Left Front Lamp Harness



1986157

1986159

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

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

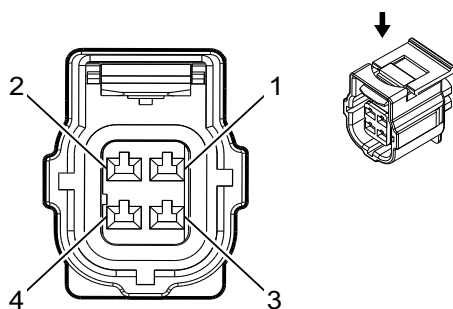
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X110 Forward Lamp Harness to Left Front Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	—	Ground	1	1.5	BK	1150	III	—
2	1.5	YE	712	I	—	Left Headlamp Low Beam Control	2	1.5	YE	712	III	—
3	0.5	WH	711	II	—	Left Headlamp High Beam Control	3	0.5	WH	711	III	—
4	0.75	VT/GY	709	II	—	Left Park Lamp Control	4	0.75	VT/GY	709	III	—
5	0.75	L-BU/WH	1314	II	—	Left Front Turn Signal Lamp Control	5	0.75	L-BU/WH	1314	III	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

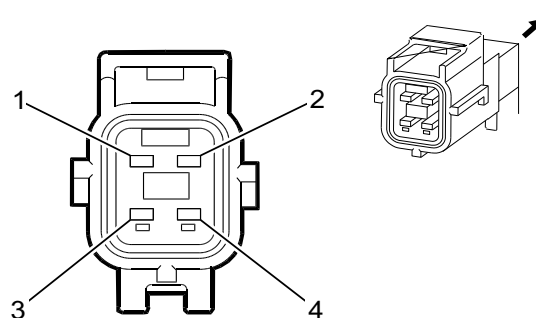
X111 Engine Harness to Glow Plug Harness (LWN)



2716365

Connector Part Information

Harness Type: Engine
 OEM Connector: 184248-1
 Service Connector: 13587793
 Description: 4-Way F SSC Series (BK)



1243485

Connector Part Information

Harness Type: Glow Plug
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 4-Way M Sealed Sensor Connector System (BK)

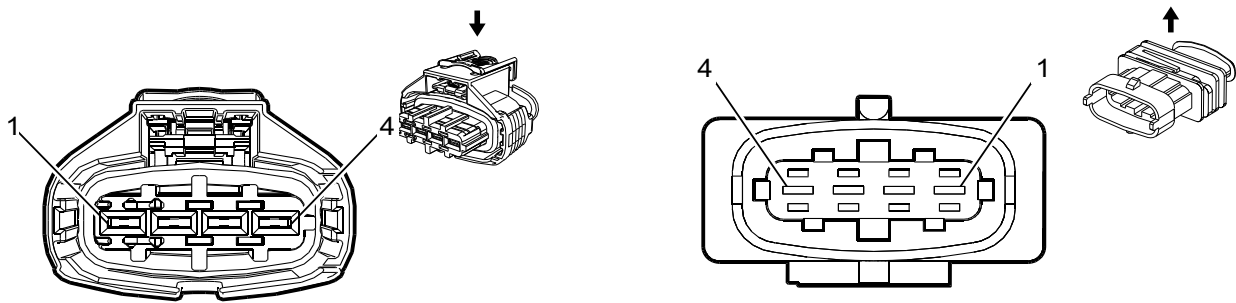
Terminal Part Information

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

X111 Engine Harness to Glow Plug Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2	GY/BU	1581	I	—	Glow Plug Control 1	1	1.5	GY/BU	1581	II	—
2	2	GY/BN	1582	I	—	Glow Plug Control 2	2	1.5	GY/BN	1582	II	—
3	2	GY/GN	1583	I	—	Glow Plug Control 3	3	1.5	GY/GN	1583	II	—
4	2	GY/YE	1584	I	—	Glow Plug Control 4	4	1.5	GY/YE	1584	II	—

X112 Engine Harness to Intake Manifold Pressure Sensor Jumper Harness



2487930

816173

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405525
Service Connector: 13584423
Description: 4-Way F 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Engine
OEM Connector: 13122327
Service Connector: 88952839
Description: 4-Way M 2.8 Series, Sealed (BK)

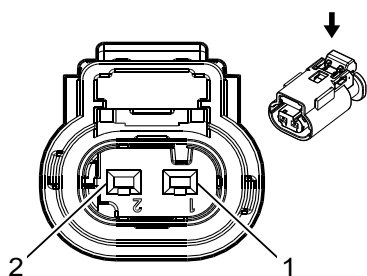
Terminal Part Information

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

X112 Engine Harness to Intake Manifold Pressure Sensor Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BK/GN	469	I	—	Manifold Absolute Pressure Sensor Low Reference	1	0.5	BK/GN	469	II	—
2	0.5	BN	7348	I	—	Induction Air Temperature Sensor 2 Signal	2	0.5	BN	7348	II	—
3	0.5	GY/RD	2704	I	—	Manifold Absolute Pressure Sensor 5V Reference	3	0.5	GY/RD	2704	II	—
4	0.5	GN/WH	432	I	—	Manifold Absolute Pressure Sensor Signal	4	0.5	GN/WH	432	II	—

X113 Engine Harness to Oil Pressure Control Solenoid Valve Jumper Harness (LGZ)



2717066

Connector Part Information

Harness Type: Oil Pressure Control Solenoid Valve Jumper
 OEM Connector: 13503566
 Service Connector: Service by Harness - See Part Catalog
 Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

Connector Part Information

Harness Type: Oil Pressure Control Solenoid Valve Jumper
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 2-Way M

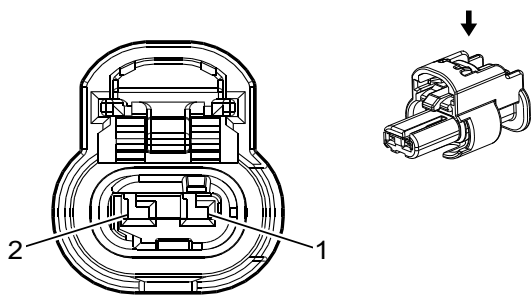
Terminal Part Information

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

X113 Engine Harness to Oil Pressure Control Solenoid Valve Jumper Harness (LGZ)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	VT/BU	5293	I	—	Powertrain Main Relay Fused Supply 4	1	0.5	VT/BU	5293	II	—
2	0.5	BU	179	I	—	Oil Pump Command Signal	2	0.5	BU	179	II	—

X114 Engine Harness to Temp Sensor Jumper Harness



4649903

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296694-1
Service Connector: -
Description: 2-Way F 1.2 MCON Series, Sealed (BK)

Connector Part Information

Harness Type: Temp Sensor Jumper
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M

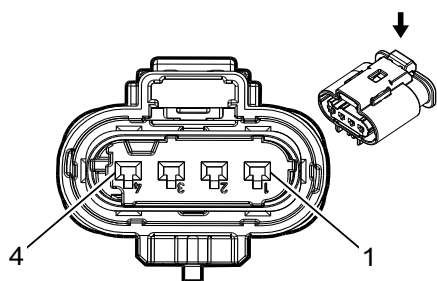
Terminal Part Information

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

X114 Engine Harness to Temp Sensor Jumper Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-BU	410	I	—	Engine Coolant Temperature Sensor Signal	1	0.5	L-BU	410	II	—
2	0.5	BK/BN	2761	I	—	Coolant Temperature Sensor Low Reference	2	0.5	BK/BN	2761	II	—

X119 Engine Harness to Body Harness (NQ6+LGZ)



2717079

4560843

Connector Part Information

Harness Type: Engine
 OEM Connector: 10010346
 Service Connector: 13587299
 Description: 4-Way F 1.2 Multilock Series, Sealed (BK)

Connector Part Information

Harness Type: Body
 OEM Connector: 10013906
 Service Connector: 19354931
 Description: 4-Way M 1.2 Multilock Series (GY)

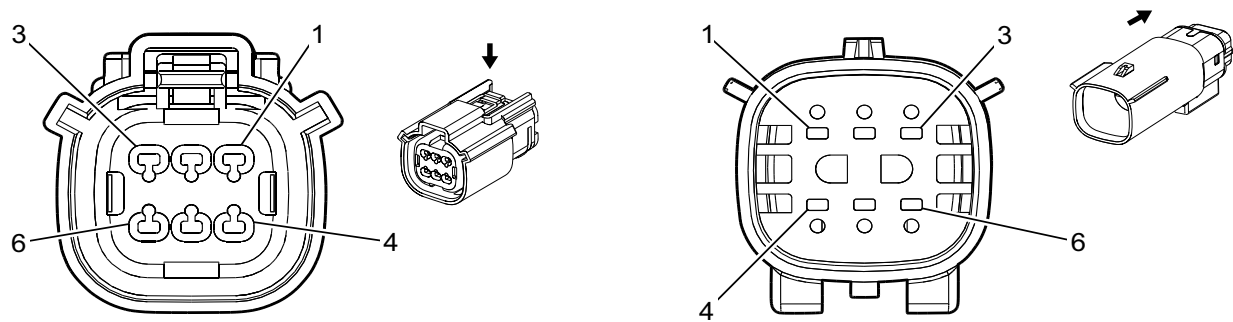
Terminal Part Information

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

X119 Engine Harness to Body Harness (NQ6+LGZ)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	WH/RD	7477	I	—	Rotary Position Sensor 5V Reference	1	0.5	WH/RD	7477	II	—
2	0.5	WH/L-GN	7479	I	—	Rotary Position Sensor Signal	2	0.5	WH/L-GN	7479	II	—
3	0.5	YE/BK	7478	I	—	Rotary Position Sensor Low Reference	3	0.5	YE/BK	7478	II	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—

X120 Forward Lamp Harness to Right Front Lamp Harness



1986157

1986159

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

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

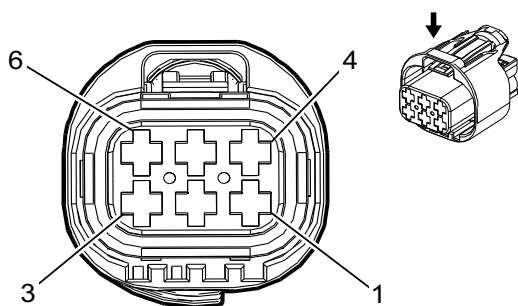
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required		No Tool Required	Not Required	Not Required	Not Required	Not Required

X120 Forward Lamp Harness to Right Front Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1250	I	—	Ground	1	1.5	BK	1250	III	—
2	1.5	YE	312	I	—	Right Headlamp Low Beam Control	2	1.5	YE	312	III	—
3	0.75	WH	311	II	—	Right Headlamp High Beam Control	3	0.75	WH	311	III	—
4	0.75	GY/BN	309	II	—	Right Park Lamp Control	4	0.75	GY/BN	309	III	—
5	0.75	L-GN/VT	1315	II	—	Right Front Turn Signal Lamp Control	5	0.75	L-GN/VT	1315	III	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

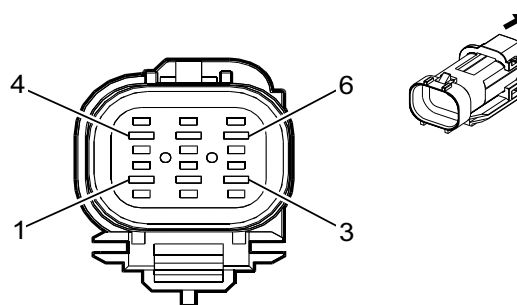
X122 Body Harness to Chassis Harness (LWN)



2042938

Connector Part Information

Harness Type: Body
 OEM Connector: 1452327-1
 Service Connector: 19332889
 Description: 6-Way F 2.8 Junior Power Timer Series,
 Sealed (BK)



2042939

Connector Part Information

Harness Type: Chassis
 OEM Connector: 1452324-1
 Service Connector: 93185233
 Description: 6-Way M 2.8 Series, Sealed (BK)

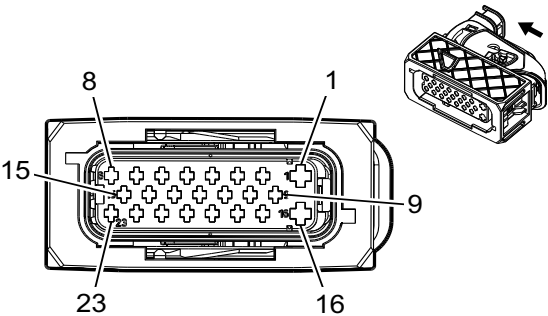
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

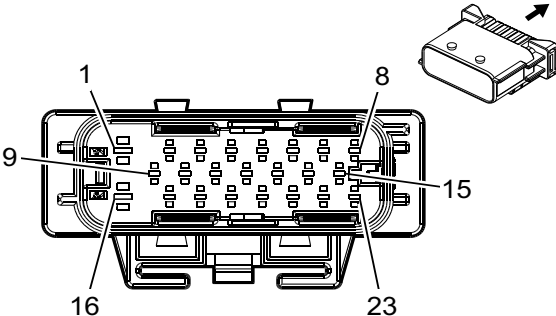
X122 Body Harness to Chassis Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	GY/BK	7253	I	—	Rear Differential Lock Actuator Low Control	1	1	GY/BK	7253	II	—
2	1	VT/BN	7258	I	—	Rear Differential Lock Actuator Supply Voltage	2	1	VT/BN	7258	II	—
3	—	—	—	—	—	Not Occupied	3	—	—	—	—	—
4	1	WH/BK	7254	I	—	Front Differential Lock Actuator Low Control	4	1	WH/BK	7254	II	—
5	1	VT/WH	7256	I	—	Front Differential Lock Actuator Supply Voltage	5	1	VT/WH	7256	II	—
6	0.75	WH/VT	1430	I	—	Exterior Courtesy Lamp Control	6	0.75	WH/VT	1430	II	—

X124 Body Harness to Chassis Harness



2906942



2906943

Connector Part Information

Harness Type: Body
OEM Connector: 13674800
Service Connector: 19300480
Description: 23-Way F 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

Connector Part Information

Harness Type: Chassis
OEM Connector: 13674783
Service Connector: 19303858
Description: 23-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	Core Crimp	Insulation Crimp
I	13578922	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13582248	J-35616-14 (GN)	J-38125-557	60000641	AFL 21	Not Available	Not Available
III	13584470	J-35616-14 (GN)	J-38125-560	60000641	AFL 21	2	5
IV	13584470	J-35616-14 (GN)	J-38125-560	60000641	AFL 21	Not Available	Not Available
V	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13584548	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X124 Body Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	VT/BN	7258	I	—	Rear Differential Lock Actuator Supply Voltage	1	1	VT/BN	7258	VII	—
2	0.75	BN/WH	2374	IV	—	Object Sensor Control	2	—	—	—	—	—
3	0.5	L-BU/WH	7120	II	—	Rear Axle Differential Lock Control	3	0.5	L-BU/WH	7120	VI	—

X124 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
4	0.5	VT/ BK	7121	II	—	Rear Axle Differential Lock Low Reference	4	0.5	VT/ BK	7121	VI	—
	0.5	L-BU/ RD	7632	II	—	Integrated Trailer Brake Controller Switch 5V Reference		0.5	L-BU/ RD	7632	VI	—
5	0.5	YE	2375	II	—	Left Rear Corner Object Sensor Signal	5	0.5	BK/ BN	7631	VI	—
	0.5	BK/ BN	7631	II	—	Integrated Trailer Brake Controller Switch Low Reference						
6	0.5	L-BU/ RD	7632	II	—	Integrated Trailer Brake Controller Switch 5V Reference	6	0.5	L-BU/ RD	7632	VI	—
	0.5	L-GN/ BK	7633	II	—	Integrated Trailer Brake Controller User Gain Signal		0.5	L-GN/ BK	7633	VI	—
7	0.5	L-GN/ BK	7633	II	—	Integrated Trailer Brake Controller User Gain Signal	7	0.5	L-GN/ BK	7633	VI	—
	0.5	BK BN	7634	II	—	Integrated Trailer Brake Controller Redundant Manual Apply Signal		0.5	BK BN	7634	VI	—
8	0.5	VT/ YE	5985	II	—	Accessory Wakeup Serial Data	8	0.5	VT/ YE	5985	VI	—
	0.5	BN	7634	II	—	Integrated Trailer Brake Controller Redundant Manual Apply Signal		0.5	BN	7634	VI	—
9	1	GY/ BK	7253	III	—	Rear Differential Lock Actuator Low Control	9	1	GY/ BK	7253	V	—
10	0.5	YE/L- BU	2376	II	—	Left Rear Middle Object Sensor Signal	10	—	—	—	—	—
11	0.5	L-BU/ BK	7116	II	—	Front Axle Differential Lock Control	11	0.5	L-BU/ BK	7116	VI	—

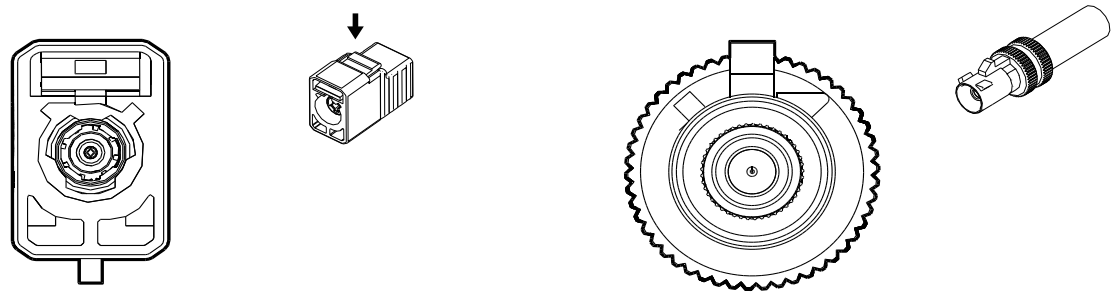
X124 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
12	0.5	L-GN/ BK	7118	II	—	Front Axle Differential Lock Low Reference	12	0.5	L-GN/ BK	7118	VI	—
13	0.5	YE YE/L- GN	2375	II	—	Left Rear Corner Object Sensor Signal	13	0.5	YE YE/L- GN	2375	VI	—
	0.5		7122	II	—	Axle Differential Lock Switch Signal		0.5		7122	VI	—
14	0.5	YE/L- BU VT/ YE	2376	II	—	Left Rear Middle Object Sensor Signal	14	0.5	YE/L- BU VT/ YE	2376	VI	—
	0.5		5985	II	—	Accessory Wakeup Serial Data		0.5		5985	VI	—
15	0.5	YE/ WH BK/ BN	2377	II	—	Right Rear Middle Object Sensor Signal	15	0.5	YE/ WH BK/ BN	2377	VI	—
	0.5		7631	II	—	Integrated Trailer Brake Controller Switch Low Reference		0.5		7631	VI	—
16	1	VT/ WH	7256	I	—	Front Differential Lock Actuator Supply Voltage	16	1	VT/ WH	7256	VII	—
17	1	WH/ BK	7254	III	—	Front Differential Lock Actuator Low Control	17	1	WH/ BK	7254	V	—
18	0.5	YE/ VT	2378	II	—	Right Rear Corner Object Sensor Signal	18	—	—	—	—	—
19	0.5	YE/ WH	2377	II	—	Right Rear Middle Object Sensor Signal	19	—	—	—	—	—
20	0.75	BK/ GY	2379	IV	—	Object Sensor Low Reference	20	—	—	—	—	—
21	0.5	YE/ VT BK/ YE	2378	II	—	Right Rear Corner Object Sensor Signal	21	0.5	YE/ VT BK/ YE	2378	VI	—
	0.5		7259	II	—	Axle Differential Lock Switch Low Reference		0.5		7259	VI	—

X124 Body Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
22	0.5	YE	7115	II	—	Rear Axle Differential Lock Indicator Control	22	0.5	YE BK/GY	7115 2379	VI VI	— —
	0.75	BK/GY	2379	IV	—	Object Sensor Low Reference						
	0.75	BK/GY	2379	II	—	Object Sensor Low Reference						
23	0.5	VT/GY	7117	II	—	Front Axle Differential Lock Indicator Control	23	0.5	VT/GY BN/WH	7117 2374	VI VI	— —
	0.75	BN/WH	2374	IV	—	Object Sensor Control						

X125 Body Harness to Chassis Harness



2893647

5001492

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13508115
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Chassis COAX
OEM Connector: 13508111
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

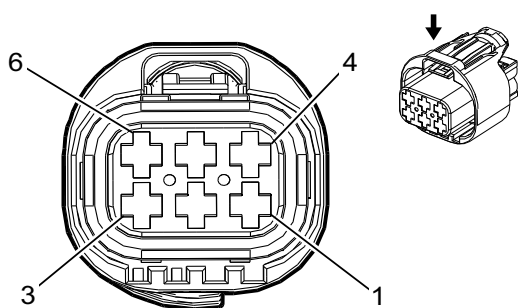
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

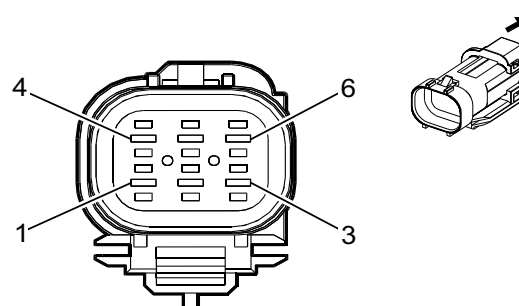
X125 Body Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X126 Body Harness to Chassis Harness (LCV)



2042938



2042939

Connector Part Information

Harness Type: Body
 OEM Connector: 1452327-1
 Service Connector: 19332889
 Description: 6-Way F 2.8 Junior Power Timer Series,
 Sealed (BK)

Connector Part Information

Harness Type: Chassis
 OEM Connector: 1452324-1
 Service Connector: 93185233
 Description: 6-Way M 2.8 Series, Sealed (BK)

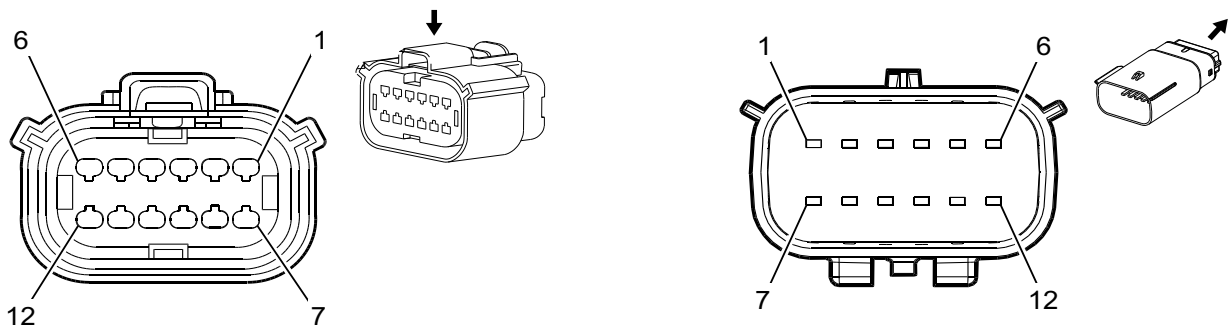
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X126 Body Harness to Chassis Harness (LCV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN/WH	2374	I	—	Object Sensor Control	1	0.75	BN/WH	2374	II	—
2	0.5	YE	2375	I	—	Left Rear Corner Object Sensor Signal	2	0.5	YE	2375	II	—
3	0.5	YE/L-BU	2376	I	—	Left Rear Middle Object Sensor Signal	3	0.5	YE/L-BU	2376	II	—
4	0.5	YE/VT	2378	I	—	Right Rear Corner Object Sensor Signal	4	0.5	YE/VT	2378	II	—
5	0.5	YE/WH	2377	I	—	Right Rear Middle Object Sensor Signal	5	0.5	YE/WH	2377	II	—
6	0.75	BK/GY	2379	I	—	Object Sensor Low Reference	6	0.75	BK/GY	2379	II	—

X160 Engine Harness to Fuel Injector Harness (LCV)



1825165

2687960

Connector Part Information

Harness Type: Engine
OEM Connector: 33472-1216
Service Connector: 19150019
Description: 12-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Fuel Injector
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	Core Crimp	Insulation Crimp
I	13575808	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	19300432	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

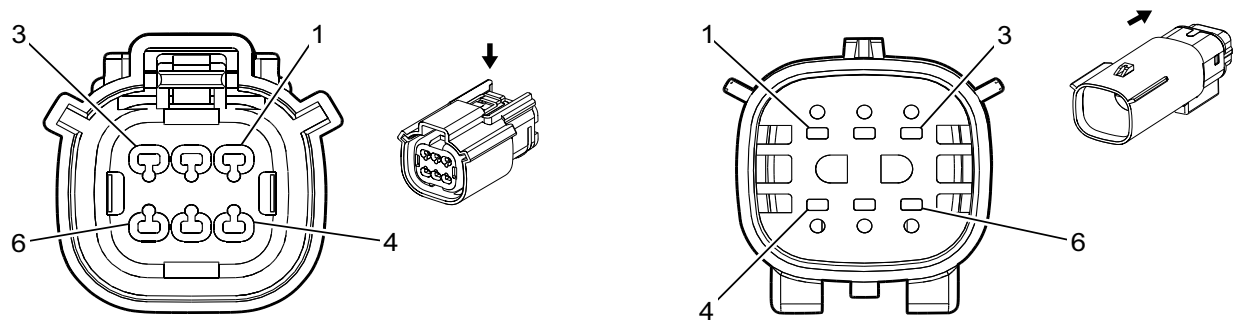
X160 Engine Harness to Fuel Injector Harness (LCV)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN	4801	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	1	0.75	BN	4801	III	—
2	0.75	L-BU	4802	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	L-BU	4802	III	—
3	0.75	L-GN	4803	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	L-GN	4803	III	—
4	0.75	GY/L-BU	4804	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	4	0.75	GY/L-BU	4804	III	—
5	0.5	BK/L-GN	2919	II	—	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/L-GN	2919	III	—

X160 Engine Harness to Fuel Injector Harness (LCV) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—
7	0.75	BN/WH	4901	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	7	0.75	BN/WH	4901	III	—
8	0.75	L-BU/GY	4902	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	L-BU/GY	4902	III	—
9	0.75	L-GN/GY	4903	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	9	0.75	L-GN/GY	4903	III	—
10	0.75	L-BU/WH	4904	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	10	0.75	L-BU/WH	4904	III	—
11	0.5	BN/RD	2917	II	—	Fuel Rail Pressure Sensor 5V Reference	11	0.5	BN/RD	2917	III	—
12	0.5	L-BU/WH	2918	II	—	Fuel Rail Pressure Sensor Signal	12	0.5	L-BU/WH	2918	III	—

X160 Engine Harness to Fuel Injector Harness (LGZ)



1986157

1986159

Connector Part Information

Harness Type: Engine
OEM Connector: 33472-0606
Service Connector: 13585853
Description: 6-Way F 150 MX Series, Sealed (BK)

Connector Part Information

Harness Type: Fuel Injector
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	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X160 Engine Harness to Fuel Injector Harness (LGZ)

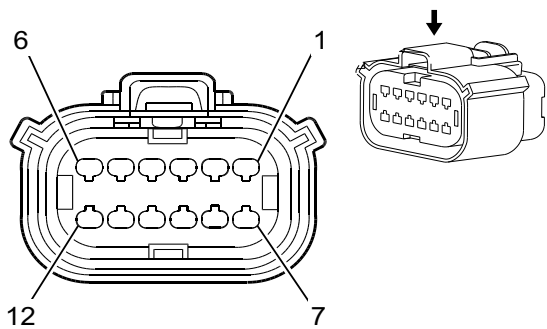
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN	4801	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	1	0.75	BN	4801	II	—
2	0.75	BN/WH	4901	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	2	0.75	BN/WH	4901	II	—
3	0.75	L-GN	4803	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	L-GN	4803	II	—
4	0.75	L-GN/GY	4903	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	4	0.75	L-GN/GY	4903	II	—
5	0.75	WH/L-GN	4805	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	5	0.75	WH/L-GN	4805	II	—

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X160 Engine Harness to Fuel Injector Harness (LGZ) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.75	L-GN/ WH	4905	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	6	0.75	L-GN/ WH	4905	II	—

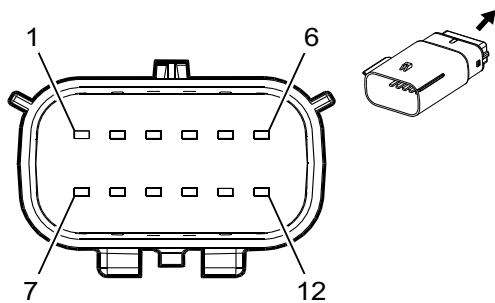
X161 Engine Harness to Fuel Injector - Even Harness



1825165

Connector Part Information

Harness Type: Engine
OEM Connector: 33472-1236
Service Connector: 19178148
Description: 12-Way F 150 MX Series, Sealed (BK)



2687960

Connector Part Information

Harness Type: Fuel Injector - Even
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	Core Crimp	Insulation Crimp
I	13578813	J-35616-2A (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X161 Engine Harness to Fuel Injector - Even Harness

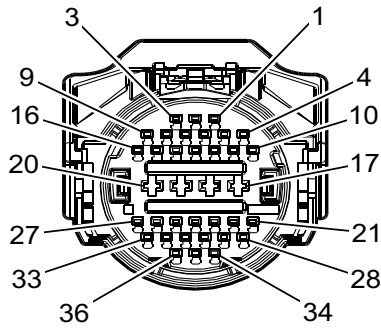
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.75	L-BU	4802	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	L-BU	4802	II	—
3	0.75	GY/L-BU	4804	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	3	0.75	GY/L-BU	4804	II	—
4	0.75	VT/L-GN	4806	I	—	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	4	0.75	VT/L-GN	4806	II	—
5	0.5	BK/L-GN	2919	I	—	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/L-GN	2919	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

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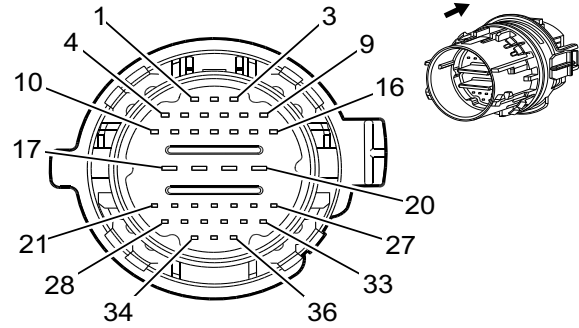
X161 Engine Harness to Fuel Injector - Even Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.75	L-BU/ GY	4902	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	L-BU/ GY	4902	II	—
9	0.75	L-BU/ WH	4904	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	9	0.75	L-BU/ WH	4904	II	—
10	0.75	VT/ GY	4906	I	—	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	10	0.75	VT/ GY	4906	II	—
11	0.5	BN/ RD	2917	I	—	Fuel Rail Pressure Sensor 5V Reference	11	0.5	BN/ RD	2917	II	—
12	0.5	L-BU/ WH	2918	I	—	Fuel Rail Pressure Sensor Signal	12	0.5	L-BU/ WH	2918	II	—

X175 Engine Harness to Transmission Case Harness



3621473



3977661

Connector Part Information

Harness Type: Engine
 OEM Connector: 2138314-5
 Service Connector: 19329922
 Description: 36-Way F 1.2 MCON-CB, 2.8 MCP Series,
 Sealed (BK)

Connector Part Information

Harness Type: Transmission Case
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 36-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13582289	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
II	-	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C
III	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X175 Engine Harness to Transmission Case Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/WH	6380	I	—	TCC On/Off Solenoid A Control	1	0.5	L-GN/WH	6380	III	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.5	YE/BN	6404	I	—	Clutch E Control	3	0.5	YE/BN	6404	III	—
4	0.5	GY/L-GN	6403	I	—	Clutch D Control	4	0.5	GY/L-GN	6403	III	—
5	0.5	BN	6400	I	—	Clutch A Control	5	0.5	BN	6400	III	—
6	0.5	L-BU	6401	I	—	Clutch B Control	6	0.5	L-BU	6401	III	—
7	0.5	YE/BN	6210	I	—	TCC On/Off Solenoid B Control	7	0.5	YE/BN	6210	III	—
8 - 9	—	—	—	—	—	Not Occupied	8 - 9	—	—	—	—	—
10	0.5	GY	6402	I	—	Clutch C Control	10	0.5	GY	6402	III	—

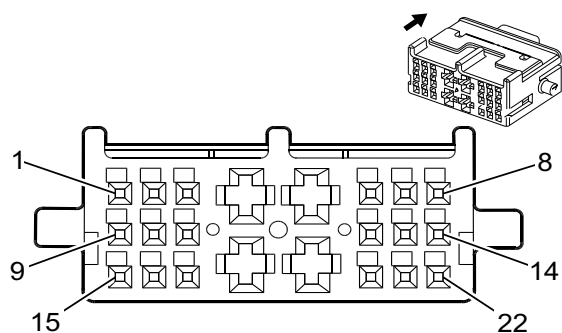
X175 Engine Harness to Transmission Case Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
11	0.5	BK/BN	586	I	—	Transmission Oil Temperature Sensor Low Reference	11	0.5	BK/BN	586	III	—
12	0.5	BN/WH	585	I	—	Transmission Oil Temperature Sensor Signal	12	0.5	BN/WH	585	III	—
13	0.5	WH	4508	I	—	Transmission Clutch G Control	13	0.5	WH	4508	III	—
14	0.5	WH/L-BU	4507	I	—	Transmission Clutch H Control	14	0.5	WH/L-BU	4507	III	—
15 - 17	—	—	—	—	—	Not Occupied	15 - 17	—	—	—	—	—
18	0.75	L-GN/GY	6387	II	—	Transmission High Side Driver 1 Signal Driver	18	0.75	L-GN/GY	6387	III	—
19	0.75	GY/BN	6388	II	—	Transmission High Side Driver 2 Signal	19	0.75	GY/BN	6388	III	—
20	—	—	—	—	—	Not Occupied	20	—	—	—	—	—
21	0.5	WH/BK	5983	I	—	PRNDL C Signal	21	0.5	WH/BK	5983	III	—
22	0.5	VT/WH	5981	I	—	PRNDL A Signal	22	0.5	VT/WH	5981	III	—
23	0.5	GY/WH	4168	I	—	PRNDL P Signal	23	0.5	GY/WH	4168	III	—
24	0.5	GY/L-BU	6358	I	—	Output Speed Signal	24	0.5	GY/L-BU	6358	III	—
25	0.5	YE/L-GN	4170	I	—	Transmission Position Sensor B 9V Reference	25	0.5	YE/L-GN	4170	III	—
26	0.5	L-GN/YE	6353	I	—	Input Speed Signal	26	0.5	L-GN/YE	6353	III	—
27	0.5	YE/L-BU	4171	I	—	Transmission Position Sensor A 9V Reference	27	0.5	YE/L-BU	4171	III	—
28	0.5	GY/BN	5982	I	—	PRNDL B Signal	28	0.5	GY/BN	5982	III	—
29	0.5	YE/L-BU	4171	I	—	Transmission Position Sensor A 9V Reference	29	0.5	YE/L-BU	4171	III	—
30	0.5	BK/GY	3927	I	—	IMS Mode Switch Low Reference	30	0.5	BK/GY	3927	III	—
31	0.5	YE/L-GN	4170	I	—	Transmission Position Sensor B 9V Reference	31	0.5	YE/L-GN	4170	III	—

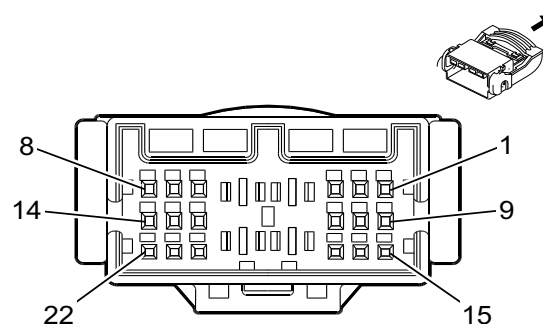
X175 Engine Harness to Transmission Case Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
32	0.5	L-GN/ VT	4510	I	—	Transmission Intermediate Speed Signal	32	0.5	L-GN/ VT	4510	III	—
33	—	—	—	—	—	Not Occupied	33	—	—	—	—	—
34	0.5	GY/ YE	4169	I	—	PRNDL S Signal	34	0.5	GY/ YE	4169	III	—
35	0.5	WH/ GY	1786	I	—	Transmission Park/Neutral Signal 1	35	0.5	WH/ GY	1786	III	—
36	—	—	—	—	—	Not Occupied	36	—	—	—	—	—

X176 Transmission Case Harness to Transmission Control Harness (M5T)



3977748



3977770

Connector Part Information

Harness Type: Transmission Case

OEM Connector: 1897543-1

Service Connector: Service by Harness - See Part Catalog

Description: 22-Way F 0.64 Micro-Quadlock, 2.8 Micro-Power Series (NA)

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 1897540-1

Service Connector: Service by Harness - See Part Catalog

Description: 22-Way M 0.64 Micro-Quadlock, 2.8 Micro-Power Series (NA)

Terminal Part Information

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

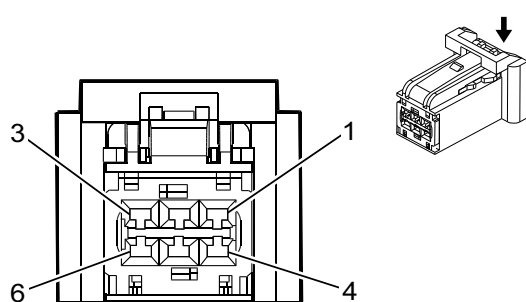
X176 Transmission Case Harness to Transmission Control Harness (M5T)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GN/WH	6380	II	—	TCC On/Off Solenoid A Control	1	0.5	GN/WH	6380	IV	—
2	0.5	VT/WH	5981	II	—	PRNDL A Signal	2	0.5	VT/WH	5981	IV	—
3	0.5	GY/BN	5982	II	—	PRNDL B Signal	3	0.5	GY/BN	5982	IV	—
4	2.5	GN/GY	6387	I	—	Transmission High Side Driver 1 Signal Driver	4	2.5	GN/GY	6387	III	—
5	0.5	YE/BU	4171	I	—	Transmission Position Sensor A 9V Reference	5	0.5	YE/BU	4171	III	—
6	0.5	GY/YE	4169	II	—	PRNDL S Signal	6	0.5	GY/YE	4169	IV	—
7	0.5	WH/BU	4507	II	—	Transmission Clutch H Control	7	0.5	WH/BU	4507	IV	—

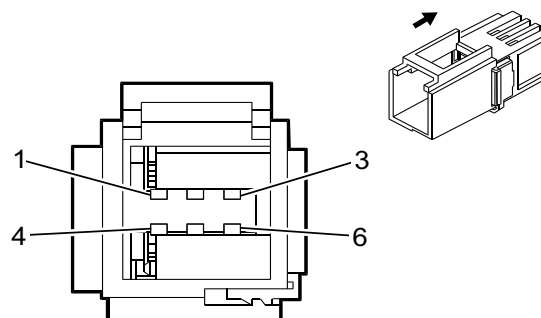
X176 Transmission Case Harness to Transmission Control Harness (M5T) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	GY/GN	6403	II	—	Clutch D Control	8	0.5	GY/GN	6403	IV	—
9	0.5	WH	4508	II	—	Transmission Clutch G Control	9	0.5	WH	4508	IV	—
10	0.5	YE/BN	6210	II	—	TCC On/Off Solenoid B Control	10	0.5	YE/BN	6210	IV	—
11	0.5	WH/BK	5983	II	—	PRNDL C Signal	11	0.5	WH/BK	5983	IV	—
12	0.5	WH/GY	1786	II	—	Transmission Park/Neutral Signal 1	12	0.5	WH/GY	1786	IV	—
13	0.5	GY	6402	II	—	Clutch C Control	13	0.5	GY	6402	IV	—
14	0.5	YE/BN	6404	II	—	Clutch E Control	14	0.5	YE/BN	6404	IV	—
15	0.5	BN/WH	585	II	—	Transmission Oil Temperature Sensor Signal	15	0.5	BK/WH	585	IV	—
16	0.5	BK/BN	586	II	—	Transmission Oil Temperature Sensor Low Reference	16	0.5	BK/BN	586	IV	—
17	0.5	GY/WH	4168	II	—	PRNDL P Signal	17	0.5	GY/WH	4168	IV	—
18	2.5	GY/BN	6388	I	—	Transmission High Side Driver 2 Signal	18	2.5	GY/BN	6388	III	—
19	0.5	YE/GN	4170	I	—	Transmission Position Sensor B 9V Reference	19	0.5	YE/GN	4170	III	—
20	0.5	BK/GY	3927	II	—	IMS Mode Switch Low Reference	20	0.5	BK/GY	3927	IV	—
21	0.5	BN	6400	II	—	Clutch A Control	21	0.5	BN	6400	IV	—
22	0.5	BU	6401	II	—	Clutch B Control	22	0.5	BU	6401	IV	—

X177 Transmission Case Harness to Speed Sensor Assembly Harness (M5T)



3977938



3977959

Connector Part Information

Harness Type: Transmission Case
 OEM Connector: 13960975
 Service Connector: Service by Harness - See Part Catalog
 Description: 6-Way F 1.2 OCS Series (NA)

Connector Part Information

Harness Type: Speed Sensor Assembly
 OEM Connector: 13955963
 Service Connector: Service by Harness - See Part Catalog
 Description: 6-Way M 0.64 II Series (GY)

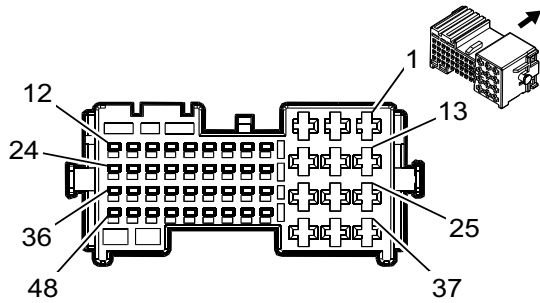
Terminal Part Information

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

X177 Transmission Case Harness to Speed Sensor Assembly Harness (M5T)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	GY/BU	6358	I	—	Output Speed Signal	1	0.5	GY/BU	6358	II	—
2	0.5	YE/GN	4170	I	—	Transmission Position Sensor B 9V Reference	2	0.5	RD/GN	4170	II	—
3	0.5	YE/GN	4170	I	—	Transmission Position Sensor B 9V Reference	3	0.5	YE/GN	4170	II	—
4	0.5	YE/BU	4171	I	—	Transmission Position Sensor A 9V Reference	4	0.5	YE/BU	4171	II	—
5	0.5	GN/YE	6353	I	—	Input Speed Signal	5	0.5	GN/YE	6353	II	—
6	0.5	GN/VT	4510	I	—	Transmission Intermediate Speed Signal	6	0.5	BK/VT	4510	II	—

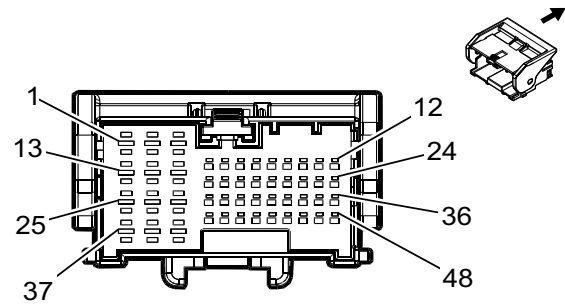
X200 Body Harness to Instrument Panel Harness



3277913

Connector Part Information

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



3277901

Connector Part Information

Harness Type: Instrument Panel
 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	Core Crimp	Insulation Crimp
I	19119592	J-35616-4A (PU)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	19329758	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	-	-	-	Not Available	Not Available	Not Available	Not Available
IV	13575529	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19329749	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X200 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/VT	542	I	—	Battery Positive Voltage	1	2.5	RD/VT	542	V	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.5	L-GN/BN	507	I	—	Wait To Start Indicator Control	3	0.35	L-GN/BN	507	IV	—
4	0.5	L-BU/YE	6105	II	—	High Speed GMLAN Serial Data (+) 2	4	0.5	L-BU/YE	6105	VI	—
5	0.5	WH	6106	II	—	High Speed GMLAN Serial Data (-) 2	5	0.5	WH	6106	VI	—

X200 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.5	RD/L-GN	4440	II	—	Battery Positive Voltage	6	0.5	RD/L-GN	4440	VI	—
7	0.75	BN/WH	2374	II	—	Object Sensor Control	7	0.75	BN/WH	2374	VI	—
8	0.75	BK/GY	2379	II	—	Object Sensor Low Reference	8	0.35	BK/GY	2379	VI	—
9	0.5	YE	2375	II	—	Left Rear Corner Object Sensor Signal	9	0.5	YE	2375	VI	—
10	0.5	YE/L-BU	2376	II	—	Left Rear Middle Object Sensor Signal	10	0.5	YE/L-BU	2376	VI	—
11	0.5	YE/VT	2378	II	—	Right Rear Corner Object Sensor Signal	11	0.5	YE/VT	2378	VI	—
12	0.5	YE/WH	2377	II	—	Right Rear Middle Object Sensor Signal	12	0.5	YE/WH	2377	VI	—
13	—	—	—	—	—	Not Occupied	13	—	—	—	—	—
14	1	L-BU	201	I	—	Left Front Speaker Control (+) 1 Left Front Speaker Control (+) 1	14	0.75 1	L-BU L-BU	201 201	V V	— —
15	1	BN/L-BU	118	I	—	Left Front Speaker Signal (-) 1 Left Front Speaker Signal (-) 1	15	0.75 1	BN/L-BU BN/L-BU	118 118	V V	— —
16	0.5	L-BU/BN	7573	II	—	Electric Variable Displacement Supply	16	0.5	L-BU/BN	7573	VI	—
17	0.5	L-BU/YE	7574	II	—	Electric Variable Displacement Control	17	0.5	L-BU/YE	7574	VI	—
18	0.5	GY	158	II	—	Cargo Lamp Switch Signal	18	0.35	GY	158	VI	—
19	0.5	BN/WH	1429	II	—	Standing Lamp Relay Control	19	0.5	BN/WH	1429	VI	—
20	0.5	L-GN/WH	24	II	—	Backup Lamp Control	20	0.35	L-GN/WH	24	VI	—

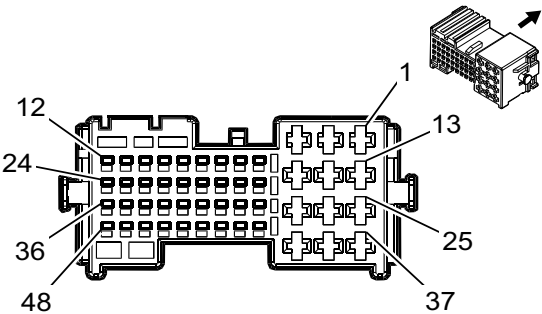
X200 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
21	0.35	WH	6816	II	—	Indicator Dimming Control	21	0.35	WH	6816	VI	—
22	0.5	YE	6817	II	—	LED Backlight Dimming Control	22	0.5	YE	6817	VI	—
23	0.35	YE/BN	3265	II	—	Child Security Lock Switch Signal	23	0.35	YE/BN	3265	VI	—
24	0.35	GY	5697	II	—	Child Lockout Indicator Control	24	0.35	GY	5697	VI	—
25	—	—	—	—	—	Not Occupied	25	—	—	—	—	—
26	1	L-GN/BK	116	I	—	Left Rear Speaker Signal (-) Left Rear Speaker Signal (-)	26	0.75 1	L-GN/BK L-GN/BK	116 116	V V	— —
27	1	L-GN	199	I	—	Left Rear Speaker Control (+) Left Rear Speaker Control (+)	27	0.75 1	L-GN L-GN	199 199	V V	— —
28 - 29	—	—	—	—	—	Not Occupied	28 - 29	—	—	—	—	—
30	0.5	BN/WH	419	II	—	Check Engine Indicator Control	30	0.35	BN/WH	419	VI	—
31	0.35	BN/YE	780	II	—	Driver Door Lock Switch Lock Signal	31	0.35	BN/YE	780	VI	—
32	0.35	BN/WH	781	II	—	Driver Door Lock Switch Unlock Signal	32	0.35	BN/WH	781	VI	—
33	0.5	WH	5359	II	—	Brake Apply Sensor Control	33	0.35	WH	5359	VI	—
34	0.5	L-BU/YE	5361	II	—	Brake Apply Sensor Signal	34	0.35	L-BU/YE	5361	VI	—
35	0.5	BK/BN	5360	II	—	Brake Apply Sensor Low Reference	35	0.35	BK/BN	5360	VI	—
36	0.5	Bare	6974	II	—	Camera Low Reference	36	0.35	Bare	6974	VI	—
37	2.5	RD/L-GN	242	III	—	Battery Positive Voltage	37	2.5	RD/L-GN	242	V	—
38 - 39	—	—	—	—	—	Not Occupied	38 - 39	—	—	—	—	—

X200 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
40	0.35	VT	185	II	—	Low Washer Fluid Indicator Control	40	0.35	VT	185	VI	—
41	—	—	—	—	—	Not Occupied	41	—	—	—	—	—
42	0.5	BK/WH	2251	II	—	Signal Ground	42	0.5	BK/WH	2251	VI	—
43	0.5	WH/L-BU	5986	II	—	Serial Data Communication Enable	43	0.5	WH/L-BU	5986	VI	—
44	—	—	—	—	—	Not Occupied	44	—	—	—	—	—
45	0.5	BN/VT	193	II	—	Rear Defog Relay Control	45	0.35	BN/VT	193	VI	—
46	0.5	L-GN/GY	6135	II	—	Local Interconnect Network Serial Data Bus 4	46	0.5	L-GN/GY	6135	VI	—
47	0.5	GY/YE	6972	II	—	Camera Signal 2 +	47	0.35	GY/YE	6972	VI	—
48	0.5	WH/L-BU	6973	II	—	Camera Signal 2	48	0.35	WH/L-BU	6973	VI	—

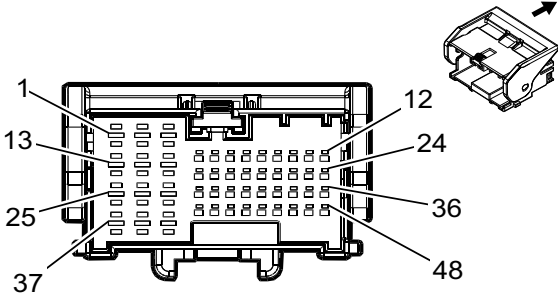
X202 Body Harness to Instrument Panel Harness



3924402

Connector Part Information

Harness Type: Body
OEM Connector: 1-2109452-3
Service Connector: 19329737
Description: 48-Way F 1.2 MCON, 2.8 MCP Series (GY)



3924404

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1-2109455-3
Service Connector: 19329738
Description: 48-Way M 1.2 MCON, 2.8 MCP Series

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19119592	J-35616-4A (PU)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	19329758	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	19329749	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X202 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1 - 3	—	—	—	—	—	Not Occupied	1 - 3	—	—	—	—	—
4	0.5	RD/WH	2040	II	—	Battery Positive Voltage	4	0.75	RD/WH	2040	IV	—
5	0.5	VT	4601	II	—	Retained Accessory Power Fused Control	5	0.5	VT	4601	IV	—
6	0.35	RD/YE	3040	II	—	Battery Positive Voltage	6	0.35	RD/YE	3040	IV	—
7	0.75	RD/BN	2240	II	—	Battery Positive Voltage	7	0.75	RD/BN	2240	IV	—
8	0.35	VT	801	II	—	Retained Accessory Power Fuse Control	8	0.35	VT	801	IV	—

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X202 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.5	RD/GY	2840	II	—	Battery Positive Voltage	9	0.5	RD/GY	2840	IV	—
10	0.5	VT/BN	300	II	—	Run Ignition 3 Voltage	10	0.5	VT/BN	300	IV	—
11 - 13	—	—	—	—	—	Not Occupied	11 - 13	—	—	—	—	—
14	2.5	L-BU	47	I	—	Trailer Auxiliary Control	14	2.5	L-BU	47	III	—
15	—	—	—	—	—	Not Occupied	15	—	—	—	—	—
16	0.35	GY/WH	3272	II	—	Remote Function Actuator Control	16	0.35	GY/WH	3272	IV	—
17	0.35	YE/L-GN	3274	II	—	Remote Function Actuator Transmit Signal	17	0.35	YE/L-GN	3274	IV	—
18	0.35	L-BU/WH	3275	II	—	Remote Function Actuator Receive Signal	18	0.35	L-BU/WH	3275	IV	—
19	0.35	GY	3273	II	—	Remote Function Actuator Low Reference	19	0.35	GY	3273	IV	—
20	0.35	GY/L-GN	328	II	—	Interior Lamp Defeat Switch Signal	20	0.35	GY/L-GN	328	IV	—
21	0.5	GY	157	II	—	Interior Lamp Control	21	0.5	GY	157	IV	—
22	0.5	YE	6817	II	—	LED Backlight Dimming Control	22	0.5	YE	6817	IV	—
23	0.5	VT/GY	7117	II	—	Front Axle Differential Lock Indicator Control	23	0.5	VT/GY	7117	IV	—
24	0.5	YE	7115	II	—	Rear Axle Differential Lock Indicator Control	24	0.5	YE	7115	IV	—
25	2.5	RD/YE	2340	I	—	Battery Positive Voltage	25	2.5	RD/YE	2340	III	—
26	—	—	—	—	—	Not Occupied	26	—	—	—	—	—
27	0.5	BK/YE	7259	I	—	Axle Differential Lock Switch Low Reference	27	0.5	BK/YE	7259	III	—
28	0.35	L-GN/BK	1563	II	—	2 HI Indicator Control	28	0.35	L-GN/BK	1563	IV	—

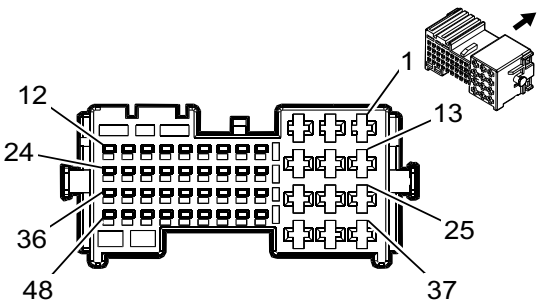
X202 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
29	0.35	GY/L-GN	1561	II	—	AWD Indicator Control	29	0.35	GY/L-GN	1561	IV	—
30	0.35	BN/BK	1566	II	—	4 HI Indicator Control	30	0.35	BN/BK	1566	IV	—
31	0.35	VT/WH	1565	II	—	4 LO Indicator Control	31	0.35	VT/WH	1565	IV	—
32	0.35	BN	1560	II	—	Neutral Indicator Control	32	0.35	BN	1560	IV	—
33	0.35	GY/RD	6029	II	—	Four Wheel Drive Mode Switch 5V Reference	33	0.35	GY/RD	6029	IV	—
34	0.35	L-BU/YE	1693	II	—	Four Wheel Drive Switch Signal	34	0.35	L-BU/YE	1693	IV	—
35	0.5	L-GN/BK	7633	II	—	Integrated Trailer Brake Controller User Gain Signal	35	0.5	L-GN/BK	7633	IV	—
36	0.5	YE	7635	II	—	Integrated Trailer Brake Controller Manual Apply Signal	36	0.5	YE	7635	IV	—
37	0.5	L-BU/RD	7632	I	—	Integrated Trailer Brake Controller Switch 5V Reference	37	0.5	L-BU/RD	7632	III	—
38	0.5	BN	7634	I	—	Integrated Trailer Brake Controller Redundant Manual Apply Signal	38	0.5	BN	7634	III	—
39	0.5	BK/BN	7631	I	—	Integrated Trailer Brake Controller Switch Low Reference	39	0.5	BK/BN	7631	III	—
40	0.5	YE/L-GN	7122	II	—	Axle Differential Lock Switch Signal	40	0.5	YE/L-GN	7122	IV	—
41	0.5	WH/VT	5905	II	—	Key Capture/Column Lock Shift Position Signal	41	0.5	WH/VT	5905	IV	—
42	0.5	L-GN/L-BU	6133	II	—	Local Interconnect Network Serial Data Bus 2	42	0.5	L-GN/L-BU	6133	IV	—
43	0.5	WH/L-BU	3691	II	—	Trailer Brake Apply Signal	43	0.5	WH/L-BU	3691	IV	—
44	0.5	VT/BK	7553	II	—	Park Lock Solenoid Control	44	0.5	VT/BK	7553	IV	—

X202 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
45 - 48	—	—	—	—	—	Not Occupied	45 - 48	—	—	—	—	—

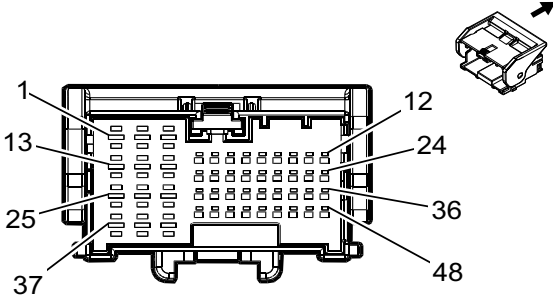
X203 Body Harness to Instrument Panel Harness



3277913

Connector Part Information

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



3277901

Connector Part Information

Harness Type: Instrument Panel
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	Core Crimp	Insulation Crimp
I	19119592	J-35616-4A (PU)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	19329758	J-35616-16 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
III	-	-	-	Not Available	Not Available	Not Available	Not Available
IV	13575529	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19329749	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X203 Body Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ YE	3740	I	—	Battery Positive Voltage	1	2.5	RD/ YE	3740	V	—
2	1	YE/ BK	117	I	—	Right Front Speaker Signal (-) 1	2	0.75 1	YE/ BK	117	V	—
						Right Front Speaker Signal (-) 1			YE/ BK	117	V	—
3	1	YE	200	I	—	Right Front Speaker Control (+) 1	3	0.75 1	YE	200	V	—
						Right Front Speaker Control (+) 1			YE	200	V	—
4	0.35	YE/ RD	597	II	—	5V Reference	4	0.35	YE/ RD	597	VI	—

X203 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
5	0.35	BK/L-BU	7566	II	—	Humidity/Windscreen Temp Sensor Low Reference	5	0.35	BK/L-BU	7566	VI	—
6	0.35	GY/L-GN	7565	II	—	Windscreen Temp Sensor Signal	6	0.35	GY/L-GN	7565	VI	—
7	0.35	GY/L-BU	7564	II	—	Humidity Sensor Signal	7	0.35	GY/L-BU	7564	VI	—
8	0.35	YE/L-BU	3197	II	—	Humidity Temperature Sensor Signal	8	0.35	YE/L-BU	3197	VI	—
9	0.35	YE	6817	II	—	LED Backlight Dimming Control	9	0.35	YE	6817	VI	—
10	0.35	BN	6136	II	—	Control	10	0.35	BN	6136	VI	—
11	0.5	RD/L-BU	540	II	—	Battery Positive Voltage	11	0.5	RD/L-BU	540	VI	—
12	0.5	VT/WH	1139	II	—	Run/Crank Ignition 1 Voltage	12	0.5	VT/WH	1139	VI	—
13	2.5	RD/VT	4040	I	—	Battery Positive Voltage	13	2.5	RD/VT	4040	V	—
14	1	L-BU/BK	115	I	—	Right Rear Speaker Signal (-) Right Rear Speaker Signal (-)	14	0.75 1	L-BU/BK L-BU/BK	115 115	V V	— —
15	1	WH	46	I	—	Right Rear Speaker Control (+) Right Rear Speaker Control (+)	15	0.75 1	WH WH	46 46	V V	— —
16	0.35	VT/WH	5234	II	—	Passenger Seat Belt Indicator Control	16	0.35	VT/WH	5234	VI	—
17	0.35	L-BU	2307	II	—	Passenger Air Bag On Indicator Control	17	0.35	L-BU	2307	VI	—
18	0.35	L-GN	2308	II	—	Passenger Air Bag Off Indicator Control	18	0.35	L-GN	2308	VI	—
19	0.5	Bare	1792	II	—	Low Reference	19	—	—	—	—	—

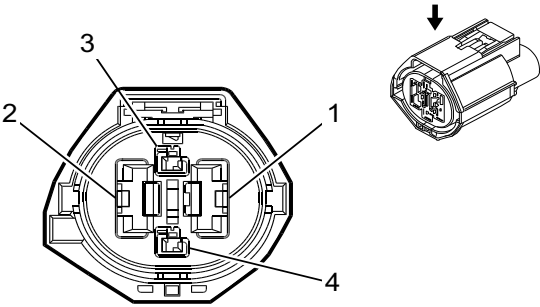
X203 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
20	0.35 0.35	BK/ BN BK/ GY	654 5152	II II	IOR UE1 +(IOS/ IOT)	Cellular Telephone Microphone Low Reference Voice Recognition Audio Low Reference	20	0.35	BK/ GY	5152	VI	—
21	0.35 0.35	L-BU GY/ YE	655 5149	II II	IOR UE1 +(IOS/ IOT)	Cellular Telephone Microphone Signal Voice Recognition Audio Signal	21	0.35	GY/ YE	5149	VI	—
22	0.35	VT/ YE	7043	II	—	Microphone (+) Signal	22	0.35	VT/ YE	7043	VI	—
23	0.35	GY/ WH	3153	II	—	Lane Departure Warning Disable Switch Signal	23	0.35	GY/ WH	3153	VI	—
24	0.35	WH	3152	II	—	Lane Departure Warning Indicator Control	24	0.35	WH	3152	VI	—
25	0.35	RD/ WH	6440	I	—	Battery Positive Voltage	25	0.35	RD/ WH	6440	IV	—
26	1.5	VT	2101	I	—	Retained Accessory Power Fuse Ignition	26	1.5	VT	2101	V	—
27	2.5	RD/L- GN	2440	III	—	Battery Positive Voltage	27	2.5	RD/L- GN	2440	V	—
28	—	—	—	—	—	Not Occupied	28	—	—	—	—	—
29	0.35	GY/ WH	7211	II	—	Ethernet Bus 4 (+)	29	0.35	GY/ WH	7211	VI	—
30	0.35	GY	7210	II	—	Ethernet Bus 4 (-)	30	0.35	GY	7210	VI	—
31	0.35	L-BU/ L-GN	1304	II	—	High Speed GMLAN Serial Data (+)9	31	0.35	L-BU/ L-GN	1304	VI	—
32	0.35	WH/ L-GN	1305	II	—	High Speed GMLAN Serial Data (-)9	32	0.35	WH/ L-GN	1305	VI	—
33	0.35	GY/L- GN	1102	II	—	Low Speed GMLAN Serial Data #2	33	0.5	GY/L- GN	1102	VI	—
34	0.35	L-BU/ BK	7044	II	—	Microphone (-) Low Reference	34	0.35	L-BU/ BK	7044	VI	—
35	1	RD/ VT	340	II	—	Battery Positive Voltage	35	1	RD/ VT	340	VI	—

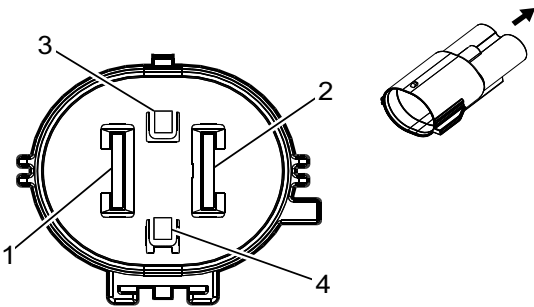
X203 Body Harness to Instrument Panel Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
36	0.5	VT/BK	1639	II	—	Run/Crank Ignition 1 Voltage	36	0.5	VT/BK	1639	VI	—
37	1.5	VT	1701	I	—	Retained Accessory Power Ignition	37	1.5	VT	1701	V	—
38	0.5	RD/VT	340	I	—	Battery Positive Voltage	38	0.5	RD/VT	340	V	—
39	0.75	BK	2050	I	—	Ground	39	0.75	BK	2050	V	—
40	0.5	L-BU	2500	II	—	High Speed GMLAN Serial Data (+) 1	40	0.5	L-BU	2500	VI	—
41	0.5	WH	2501	II	—	High Speed GMLAN Serial Data (-) 1	41	0.5	WH	2501	VI	—
42	0.35	L-BU/L-GN	1304	II	—	High Speed GMLAN Serial Data (+)9	42	0.35	L-BU/L-GN	1304	VI	—
43	0.35	WH/L-GN	1305	II	—	High Speed GMLAN Serial Data (-)9	43	0.35	WH/L-GN	1305	VI	—
44	—	—	—	—	—	Not Occupied	44	—	—	—	—	—
45	0.75	RD/L-GN	3140	II	—	Battery Positive Voltage	45	0.75	RD/L-GN	3140	VI	—
46	0.5	RD/VT	3340	II	—	Battery Positive Voltage	46	0.5	RD/VT	3340	VI	—
47	0.35	VT/GY	539	II	—	Run/Crank Ignition 1 Voltage	47	0.35	VT/GY	539	VI	—
48	0.5	RD/WH	640	II	—	Battery Positive Voltage	48	0.5	RD/WH	640	VI	—

X204 Body Harness to HVAC Harness (LWN)



2394097



3931603

Connector Part Information

Harness Type: Body
OEM Connector: 7287-1405-80
Service Connector: 19352489
Description: 4-Way F 1.5, 9.5 Series, Sealed (BN)

Connector Part Information

Harness Type: HVAC
OEM Connector: 7286-1397-30
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.5, 9.5 Series, Sealed (BK)

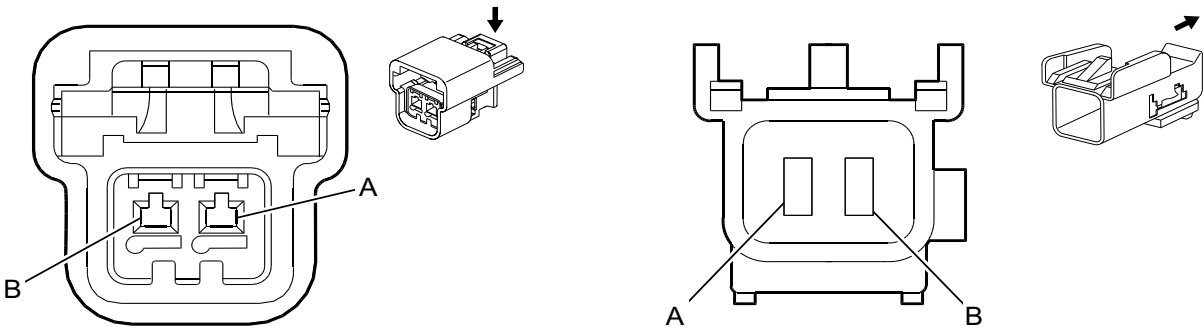
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

X204 Body Harness to HVAC Harness (LWN)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	10	BK	1350	I	—	Ground	1	10	BK/ GY	—	II	—
2	10	RD/ GY	4840	I	—	Battery Positive Voltage	2	10	RD/ BU	—	II	—
3 - 4	—	—	—	—	—	Not Occupied	3 - 4	—	—	—	—	—

X206 Instrument Panel Harness to HVAC Harness



2509234

872877

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13668003
Service Connector: 13587145
Description: 2-Way F 150 GT FBT Series (BK)

Connector Part Information

Harness Type: HVAC
OEM Connector: 15332130
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 150 GT Series (BK)

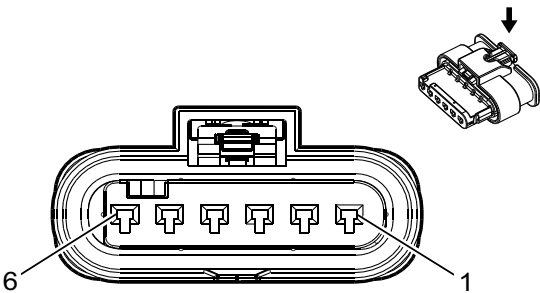
Terminal Part Information

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

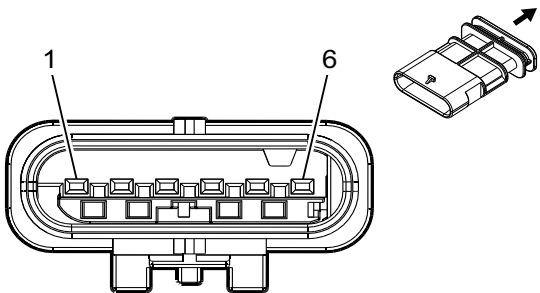
X206 Instrument Panel Harness to HVAC Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
A	—	—	—	—	—	Not Occupied	A	—	—	—	—	—
B	0.5	BN	518	I	—	Lower Left Air Temperature Sensor Signal	B	20	BN	518	II	—

X207 Instrument Panel Harness to Passenger Air Bag Extension Harness



2717165



2874915

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1-2141530-5
Service Connector: 19300377
Description: 6-Way F 1.2 MCP Series, Sealed (YE)

Connector Part Information

Harness Type: Passenger Air Bag Extension
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M

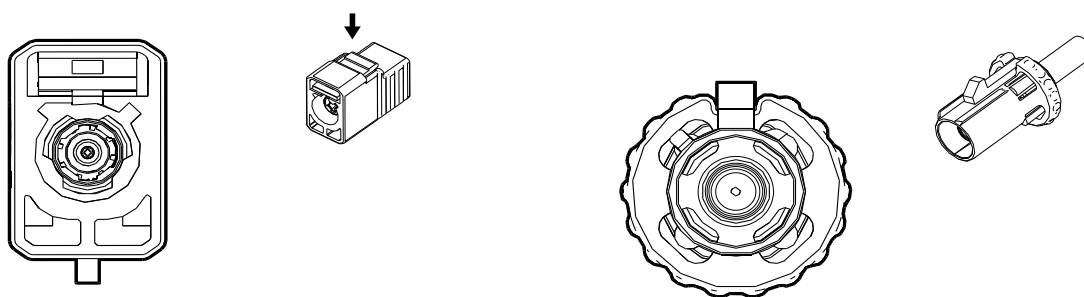
Terminal Part Information

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

X207 Instrument Panel Harness to Passenger Air Bag Extension Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/OG	3025	I	—	Passenger IP Module Stage 1 High Control	1	0.35	YE/OG	3025	II	—
2	0.35	OG/WH	3024	I	—	Passenger IP Module Stage 1 Low Control	2	0.35	OG/WH	3024	II	—
3	0.35	GY/OG	3027	I	—	Passenger IP Module Stage 2 High Control	3	0.35	GY/OG	3027	II	—
4	0.35	OG/VT	3026	I	—	Passenger IP Module Stage 2 Low Control	4	0.35	OG/VT	3026	II	—
5	0.5	BK/WH	2051	I	—	Signal Ground	5	0.5	BK/WH	2051	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—

X208 Instrument Panel Harness to Body Harness



2893647

4109605

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13581683

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX

OEM Connector: 13581672

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M Coax Type (BK)

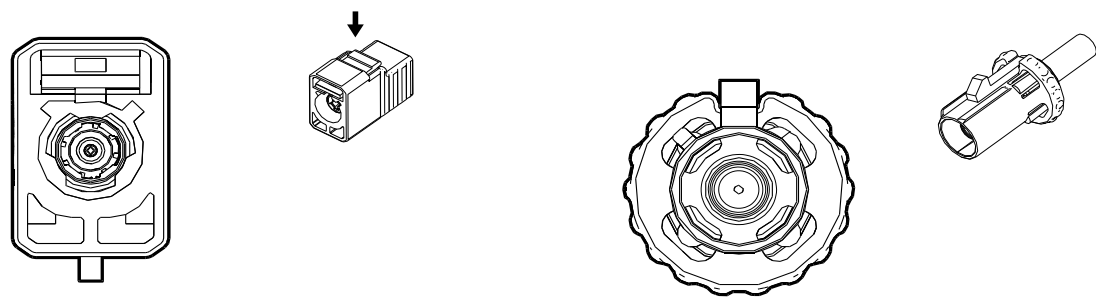
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X208 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

X208 Instrument Panel Harness to Body Harness



2893647

4109605

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13581683
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581672
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

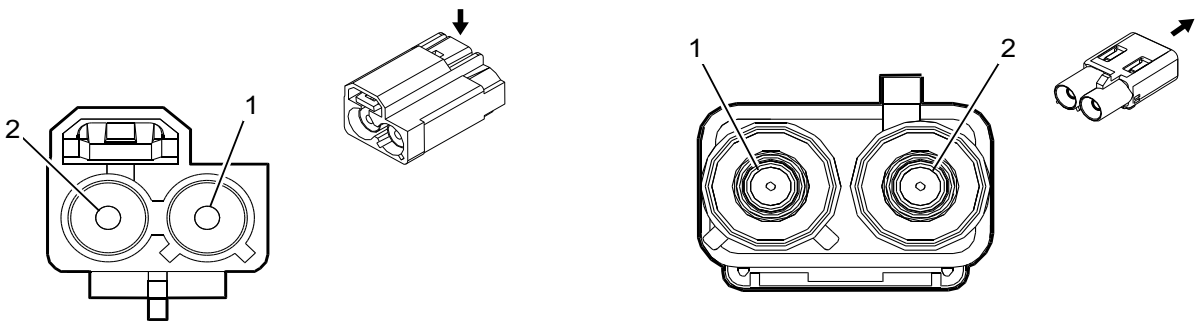
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X208 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVN) Camera Video Signal	—	—	Coax	—	I	—

X218 Instrument Panel Harness to Body Harness



4283329

4560903

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13585485
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type (CU)

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581974
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way M Coax Type (CU)

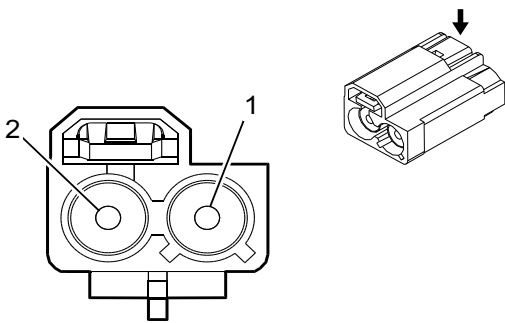
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X218 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

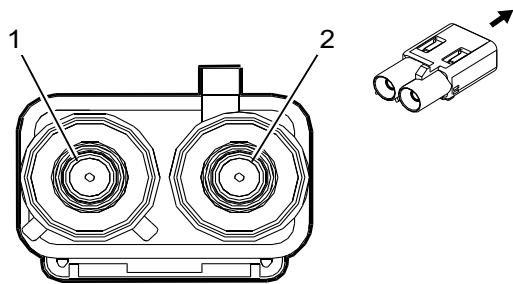
X218 Instrument Panel Harness to Body Harness



4283329

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13585485
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type (CU)



4560903

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581974
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way M Coax Type (CU)

Terminal Part Information

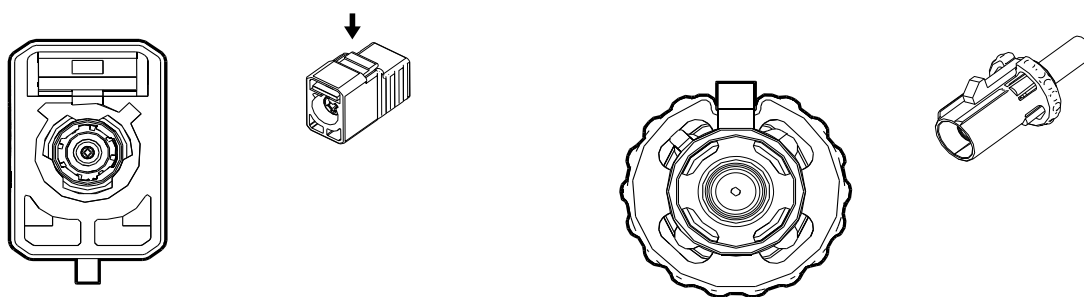
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X218 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

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X219 Instrument Panel Harness to Body Harness



2893647

4109605

Connector Part Information

Harness Type: Instrument Panel COAX

OEM Connector: 13581685

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX

OEM Connector: 13581674

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way M Coax Type (BK)

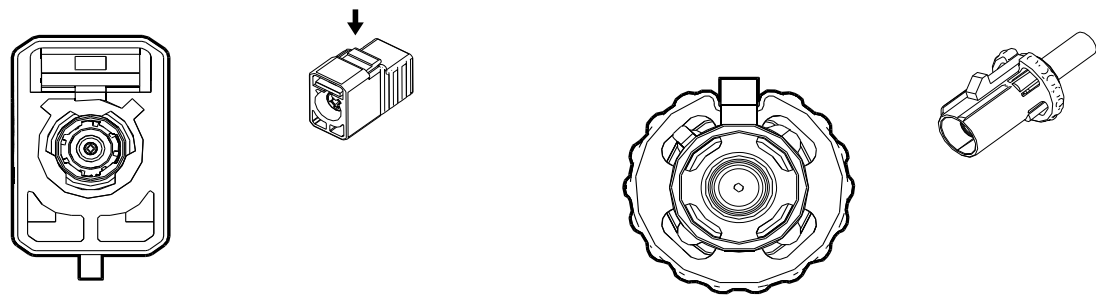
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X219 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

X219 Instrument Panel Harness to Body Harness



2893647

4109605

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13581685
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581674
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

Terminal Part Information

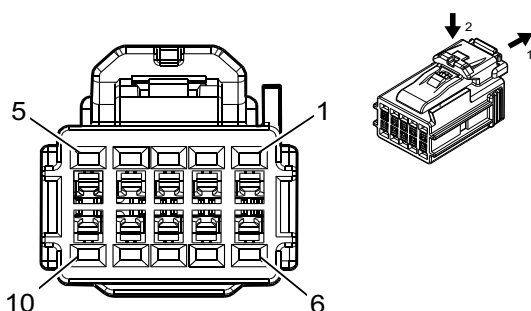
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X219 Instrument Panel Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

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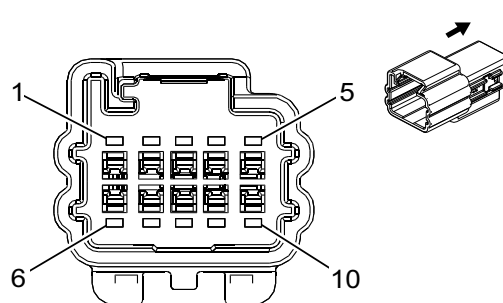
X300 Headliner Harness to Body Harness



4254030

Connector Part Information

Harness Type: Headliner
 OEM Connector: 6098-8447
 Service Connector: 13517411
 Description: 10-Way F 1.2 Series (BK)



4249317

Connector Part Information

Harness Type: Body
 OEM Connector: 6098-7709
 Service Connector: 13595576
 Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	19352074	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

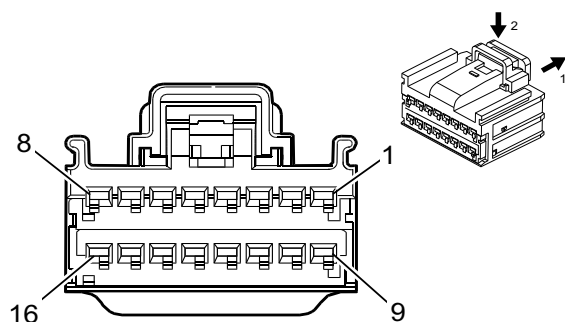
X300 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	L-GN/WH	2514	I	—	Keypad Signal	1	0.35	L-GN/WH	2514	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	Bare	1782	I	—	Low Reference	3	0.35	Bare	1782	II	—
4	0.35	BK/BN	654	I	—	Cellular Telephone Microphone Low Reference	4	0.35	BK/BN	654	II	—
5	0.35	L-BU	655	I	—	Cellular Telephone Microphone Signal	5	0.35	L-BU	655	II	—
6	0.5	L-GN/BK	2515	I	—	Keypad Control	6	0.5	L-GN/BK	2515	II	—
7	0.35	BN/WH	2517	I	—	Keypad Red LED Control	7	0.35	BN/WH	2517	II	—
8	0.35	YE/VT	2516	I	—	Keypad Green LED Control	8	0.35	YE/VT	2516	II	—
9	0.35	VT/YE	7043	I	—	Microphone (+) Signal	9	0.35	VT/YE	7043	II	—

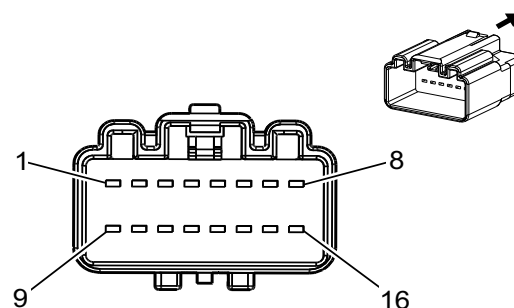
X300 Headliner Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
10	0.35	L-BU/ BK	7044	I	—	Microphone (-) Low Reference	10	0.35	L-BU/ BK	7044	II	—

X300 Headliner Harness to Body Harness (IOR)



4332214



1483278

Connector Part Information

Harness Type: Headliner
 OEM Connector: 15512506
 Service Connector: 13591061
 Description: 16-Way F 1.5 OCS Series (BK)

Connector Part Information

Harness Type: Body
 OEM Connector: 7282-6453-60
 Service Connector: 89047072
 Description: 16-Way M 1.5 Kaizen Series (GN)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available

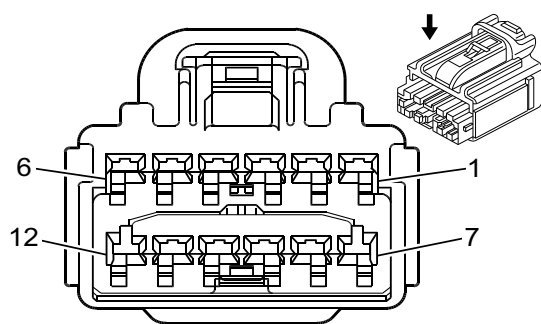
X300 Headliner Harness to Body Harness (IOR)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	BK/BN	654	I	—	Cellular Telephone Microphone Low Reference	1	0.35	BK/BN	654	II	—
2	0.5	GN/BK	2515	I	—	Keypad Control	2	0.5	GN/BK	2515	II	—
3	0.35	GN/WH	2514	I	—	Keypad Signal	3	0.35	GN/WH	2514	II	—
4	0.35	YE/VT	2516	I	—	Keypad Green LED Control	4	0.35	YE/VT	2516	II	—
5	0.35	BN/WH	2517	I	—	Keypad Red LED Control	5	0.35	BN/WH	2517	II	—
6	0.35	YE/RD	597	I	—	5V Reference	6	0.35	YE/RD	597	II	—
7	0.35	BK/BU	7566	I	—	Humidity/Windscreen Temp Sensor Low Reference	7	0.35	BK/BU	7566	II	—
8	0.35	GY/GN	7565	I	—	Windscreen Temp Sensor Signal	8	0.35	GY/GN	7565	II	—

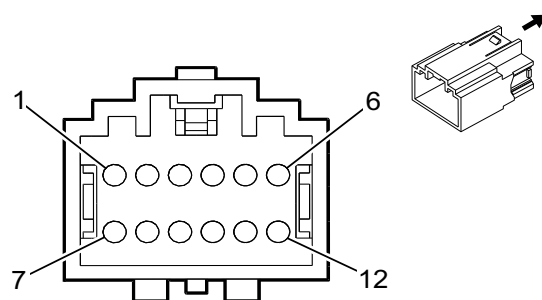
X300 Headliner Harness to Body Harness (IOR) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.35	BU	655	I	—	Cellular Telephone Microphone Signal	9	0.35	BU	655	II	—
10	0.35	Bare	1782	I	—	Low Reference	10	0.35	Bare	1782	II	—
11	0.35	BK/WH	3451	I	—	Signal Ground	11	0.35	BK/WH	3451	II	—
12	0.35	RD/GN	3140	I	—	Battery Positive Voltage	12	0.35	RD/GN	3140	II	—
13	0.35	GY/WH	3153	I	—	Lane Departure Warning Disable Switch Signal	13	0.35	GY/WH	3153	II	—
14	0.35	WH	3152	I	—	Lane Departure Warning Indicator Control	14	0.35	WH	3152	II	—
15	0.35	GY/BU	7564	I	—	Humidity Sensor Signal	15	0.35	GY/BU	7564	II	—
16	0.35	YE/BU	3197	I	—	Humidity Temperature Sensor Signal	16	0.35	YE/BU	3197	II	—

X300 Headliner Harness to Body Harness (IOS/IOT)



1856789



3240100

Connector Part Information

Harness Type: Right Rear Door
 OEM Connector: 7283-3442-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
 OEM Connector: 7282-3442-40
 Service Connector: 88988266
 Description: 12-Way M 1.5 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-3 (GY)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

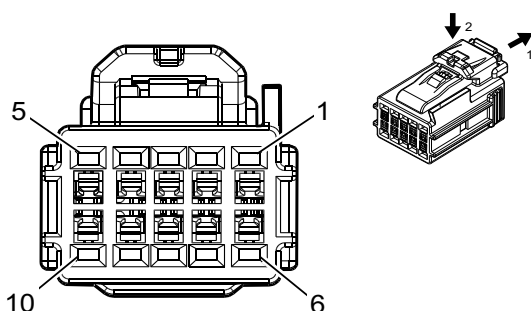
X300 Headliner Harness to Body Harness (IOS/IOT)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	OG/BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	2	0.35	OG/BN	3479	III	—
3	0.5	OG/L-GN	3475	I	—	Passenger Seat Belt Retractor Pretensioner High Control	3	0.35	OG/L-GN	3475	III	—
4	1	L-BU/BK	115	I	—	Right Rear Speaker Signal (-)	4	1	L-BU/BK	115	II	—
5	0.35	GY	748	I	—	Right Rear Door Ajar Switch Signal	5	0.35	GY	748	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

X300 Headliner Harness to Body Harness (IOS/IOT) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	GY/OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	8	0.35	GY/OG	3480	III	—
9	0.5	WH/OG	3476	I	—	Passenger Seat Belt Retractor Pretensioner Low Control	9	0.35	WH/OG	3476	III	—
10	1	WH	46	I	—	Right Rear Speaker Control (+)	10	1	WH	46	II	—
11	0.35	BK	3450	I	—	Ground	11	0.5	BK	3450	II	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—

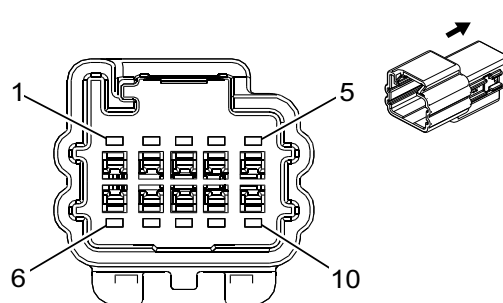
X300 Headliner Harness to Body Harness (UE1)



4254030

Connector Part Information

Harness Type: Headliner
 OEM Connector: 6098-8447
 Service Connector: 13517411
 Description: 10-Way F 1.2 Series (BK)



4249317

Connector Part Information

Harness Type: Body
 OEM Connector: 6098-7709
 Service Connector: 13595576
 Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	19352074	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

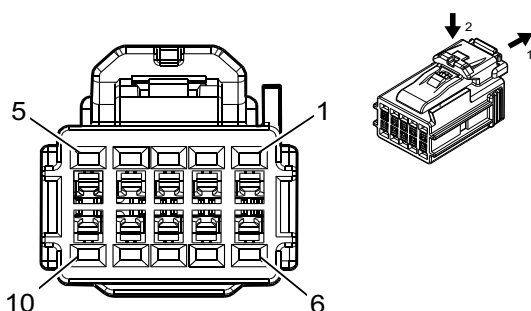
X300 Headliner Harness to Body Harness (UE1)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	GN/WH	2514	I	—	Keypad Signal	1	0.35	GN/WH	2514	II	—
2	—	—	—	—	—	Not Occupied	2	—	—	—	—	—
3	0.35	Bare	1782	I	—	Low Reference	3	0.35	Bare	1782	II	—
4	0.35	BK/BN	654	I	—	Cellular Telephone Microphone Low Reference	4	0.35	BK/BN	654	II	—
5	0.35	BU	655	I	—	Cellular Telephone Microphone Signal	5	0.35	BU	655	II	—
6	0.5	GN/BK	2515	I	—	Keypad Control	6	0.5	GN/BK	2515	II	—
7	0.35	BN/WH	2517	I	—	Keypad Red LED Control	7	0.35	BN/WH	2517	II	—
8	0.35	YE/VT	2516	I	—	Keypad Green LED Control	8	0.35	YE/VT	2516	II	—
9	0.35	VT/YE	7043	I	—	Microphone (+) Signal	9	0.35	VT/YE	7043	II	—

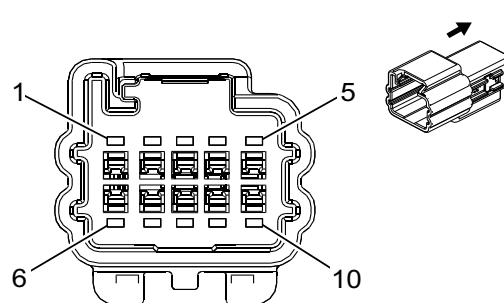
X300 Headliner Harness to Body Harness (UE1) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
10	0.35	BU/ BK	7044	I	—	Microphone (-) Low Reference	10	0.35	BU/ BK	7044	II	—

X301 Body Harness to Headliner Harness



4254030



4249317

Connector Part Information

Harness Type: Body
 OEM Connector: 6098-8447
 Service Connector: 13517411
 Description: 10-Way F 1.2 Series (BK)

Connector Part Information

Harness Type: Headliner
 OEM Connector: 6098-7709
 Service Connector: 13595576
 Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19299859	J-35616-65B (LT BU)	J-38125-215A	SAITW-A03T-064	Delphi 20	J	J
II	19300649	J-35616-16 (LT GN)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
IV	19352074	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available
V	19369715	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

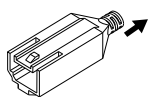
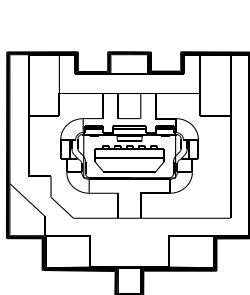
X301 Body Harness to Headliner Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	YE	6817	III	—	LED Backlight Dimming Control	1	0.5	YE	6817	IV	—
2	0.75	WH/BN	6815	II	—	Inadvertent Power Control	2	0.5	WH/BN	6815	IV	—
3	0.5	GY	157	III	—	Interior Lamp Control	3	0.5	GY	157	IV	—
4	0.75	BK	3150	II	—	Ground	4	0.75	BK	3150	V	—
5	0.35	VT/WH	1139	III	—	Run/Crank Ignition 1 Voltage	5	0.35	VT/WH	1139	IV	—
6	0.35	L-BU	2307	III	—	Passenger Air Bag On Indicator Control	6	0.35	L-BU	2307	IV	—

X301 Body Harness to Headliner Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.35	L-GN	2308	III	—	Passenger Air Bag Off Indicator Control	7	0.35	L-GN	2308	IV	—
8	0.35	VT/WH	5234	III	—	Passenger Seat Belt Indicator Control	8	0.35	VT/WH	5234	IV	—
9	0.35 0.35	GY/L-GN GY/L-GN	328 328	I III	C74 -C74	Interior Lamp Defeat Switch Signal Interior Lamp Defeat Switch Signal	9	0.35	GY/L-GN	328	IV	—
10	0.35	GY	156	III	—	Courtesy Lamp Switch Signal	10	0.35	GY	156	IV	—

X302 Floor Console Harness to Instrument Panel Harness



3273655

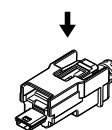
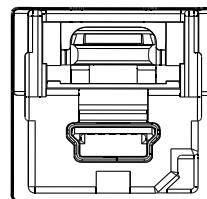
Connector Part Information

Harness Type: Floor Console USB

OEM Connector: 13584760

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way F 2.0 Mini-B USB Type (BK)



2807425

Connector Part Information

Harness Type: Instrument Panel USB

OEM Connector: 13584746

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 5-Way M 2.0 Mini-B USB Type (BK)

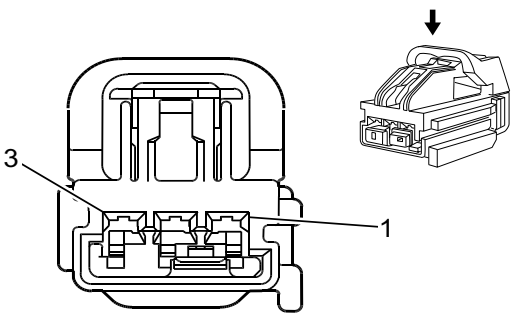
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

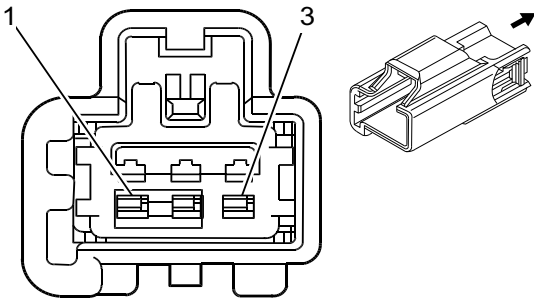
X302 Floor Console Harness to Instrument Panel Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	USB	—	I	—	USB Serial Data	—	—	USB	—	I	—

X303 Body Harness to Center High Mounted Stop Lamp Harness



1787799



1787800

Connector Part Information

Harness Type: Body
OEM Connector: 7283-3440-40
Service Connector: 19149536
Description: 3-Way F 1.5 Kaizen Series (L-GY)

Connector Part Information

Harness Type: Center High Mounted Stop Lamp
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way M

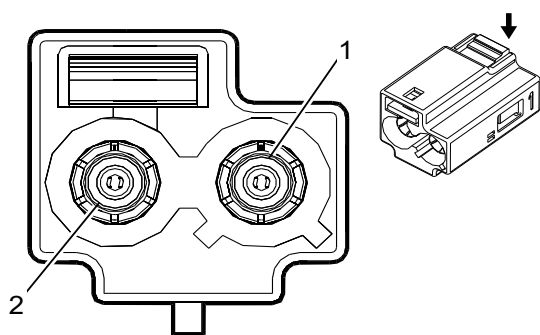
Terminal Part Information

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

X303 Body Harness to Center High Mounted Stop Lamp Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	WH/VT	1430	I	—	Exterior Courtesy Lamp Control	1	0.75	WH/VT	1430	II	—
2	0.35	VT/GY	1054	I	—	Stop Lamp Control	2	0.35	VT/GY	1054	II	—
3	0.75	BK	3150	I	—	Ground	3	0.75	BK	3150	II	—

X304 Body Harness to Antenna Harness (U2K)



3969442

Connector Part Information

Harness Type: Body COAX

OEM Connector: 13521716

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 2-Way F Coax Type (CU)

Connector Part Information

Harness Type: Antenna COAX

OEM Connector: Not Available

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 2-Way M

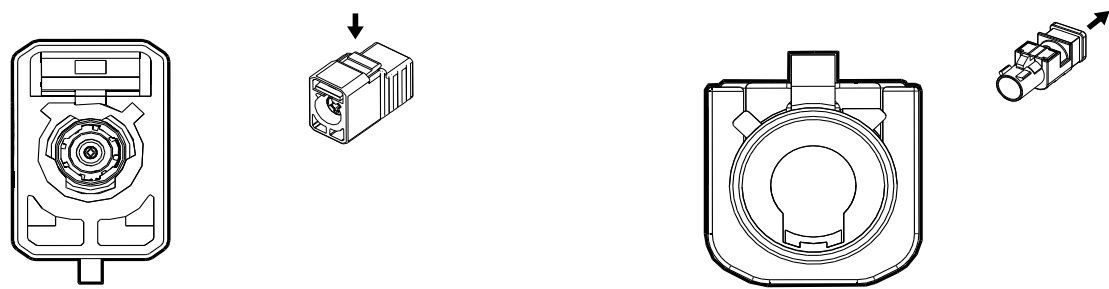
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X304 Body Harness to Antenna Harness (U2K)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(XM +/-HD) Coaxial Antenna XM Signal	—	—	Coax	—	I	—

X304 Body Harness to Antenna Harness (-U2K)



2893647

3214012

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13581687
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Antenna COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M

Terminal Part Information

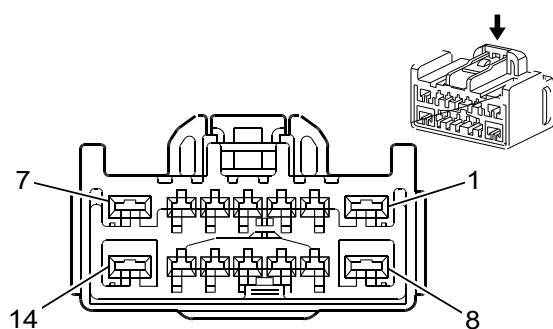
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X304 Body Harness to Antenna Harness (-U2K)

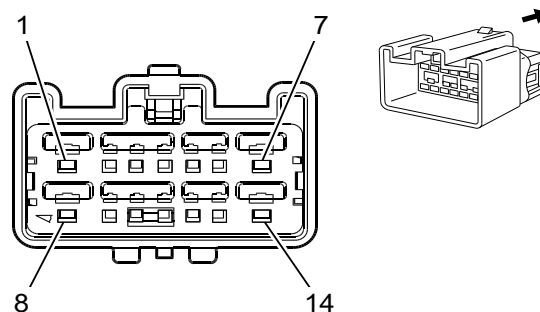
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(AM/FM) Antenna RF Signal	—	—	Coax	—	I	—

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X305 Instrument Panel Harness to Floor Console Harness



823290



1283905

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 7283-6447-40
 Service Connector: 88956524
 Description: 14-Way F 1.5, 2.8 Series (L-GY)

Connector Part Information

Harness Type: Floor Console
 OEM Connector: 7282-6447-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 14-Way M 1.5, 2.8 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	13575850	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	19368264	J-35616-35 (VT)	J-38125-11A	7116-4112-02	Yazaki 9	Not Available	Not Available
III	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
IV	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

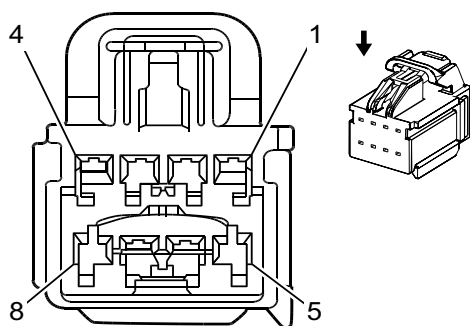
X305 Instrument Panel Harness to Floor Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	2050	II	—	Ground	1	1.5	BK	2050	IV	—
2	0.5	BK/WH	2051	I	—	Signal Ground Signal Ground	2	0.35 0.5	BK/WH BK/WH	2051 2051	III III	USS N8D-USS
3-5	—	—	—	—	—	Not Occupied	3-5	—	—	—	—	—
6	0.5	RD/VT	340	I	—	Battery Positive Voltage	6	0.5	RD/VT	340	III	—
7	1.5	VT	1701	II	—	Retained Accessory Power Ignition	7	1.5	VT	1701	IV	—
8	1.5	BK	2050	II	—	Ground	8	1.5	BK	2050	IV	—
9-13	—	—	—	—	—	Not Occupied	9-13	—	—	—	—	—

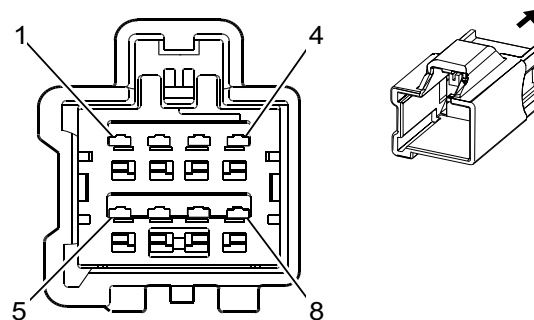
X305 Instrument Panel Harness to Floor Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
14	1.5	VT	2101	II	—	Retained Accessory Power Fuse Ignition	14	1.5	VT	2101	IV	—

X306 Instrument Panel Harness to Floor Console Harness



1849808



1849807

Connector Part Information

Harness Type: Instrument Panel
 OEM Connector: 7283-3441-40
 Service Connector: 19153166
 Description: 8-Way F 1.5 YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Floor Console
 OEM Connector: 7282-3441-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 8-Way M 1.5 YESC Kaizen 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

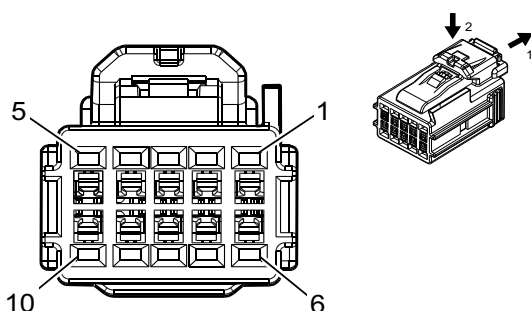
X306 Instrument Panel Harness to Floor Console Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	VT	801	I	—	Retained Accessory Power Fuse Control	1	0.35	VT	801	II	—
2	0.5	L-GN/ L-BU	6133	I	—	Local Inter-connect Network Serial Data Bus 2	2	0.5	L-GN/ L-BU	6133	II	—
3	0.75	BK	2050	I	—	Ground Ground	3	0.35 0.5	BK BK	2050 2050	II II	-K4C +(M5T/ MYB) K4C+(M5T/ MYB)
4	0.5	VT	4601	I	—	Battery Positive Voltage Retained Accessory Power Fused Control	4	0.5 0.5	RD/ VT VT	340 4601	II II	-K4C K4C
5	0.35	WH	6816	I	—	Indicator Dimming Control	5	0.35	WH	6816	II	—

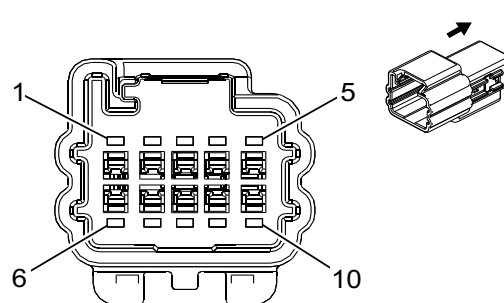
X306 Instrument Panel Harness to Floor Console Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.35	VT/ YE	5526	I	—	Tap Up/Tap Down Switch Signal	6	0.35	VT/ YE	5526	II	—
7	0.5	VT/ BK	7553	I	—	Park Lock Solenoid Control	7	0.5	VT/ BK	7553	II	—
8	0.5	WH/ VT	5905	I	—	Key Capture/ Column Lock Shift Position Signal	8	0.5	WH/ VT	5905	II	—

X307 Headliner Harness to Body Harness



4254030



4249317

Connector Part Information

Harness Type: Headliner
 OEM Connector: 6098-8447
 Service Connector: 13517411
 Description: 10-Way F 1.2 Series (BK)

Connector Part Information

Harness Type: Body
 OEM Connector: 6098-7709
 Service Connector: 13595576
 Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	19352074	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

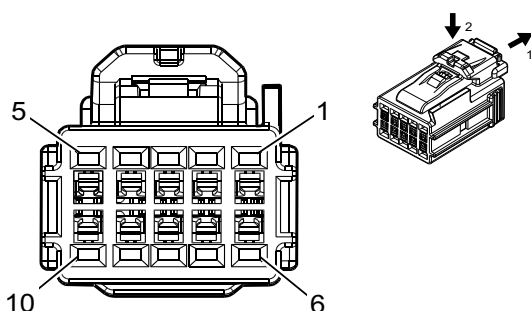
X307 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.35	WH	3152	I	—	Lane Departure Warning Indicator Control	2	0.35	WH	3152	II	—
3	0.35	GY/WH	3153	I	—	Lane Departure Warning Disable Switch Signal	3	0.35	GY/WH	3153	II	—
4	0.35	BK/WH	3451	I	—	Signal Ground	4	0.35	BK/WH	3451	II	—
5	0.35	RD/L-GN	3140	I	—	Battery Positive Voltage	5	0.35	RD/L-GN	3140	II	—
6	0.35	YE/RD	597	I	—	5V Reference	6	0.35	YE/RD	597	II	—
7	0.35	BK/L-BU	7566	I	—	Humidity/Windscreen Temp Sensor Low Reference	7	0.35	BK/L-BU	7566	II	—

X307 Headliner Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.35	YE/L- BU	3197	I	—	Humidity Temperature Sensor Signal	8	0.35	YE/L- BU	3197	II	—
9	0.35	GY/L- BU	7564	I	—	Humidity Sensor Signal	9	0.35	GY/L- BU	7564	II	—
10	0.35	GY/L- GN	7565	I	—	Windscreen Temp Sensor Signal	10	0.35	GY/L- GN	7565	II	—

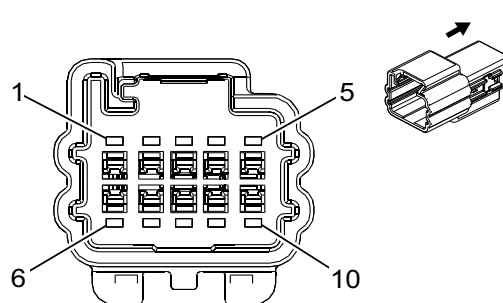
X308 Headliner Harness to Body Harness



4254030

Connector Part Information

Harness Type: Headliner
 OEM Connector: 6098-8447
 Service Connector: 13517411
 Description: 10-Way F 1.2 Series (BK)



4249317

Connector Part Information

Harness Type: Body
 OEM Connector: 6098-7709
 Service Connector: 13595576
 Description: 10-Way M 1.2 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-16 (LT GN)	J-38125-553	Not Available	Not Available	Not Available	Not Available
II	19352074	J-35616-17 (LT GN)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

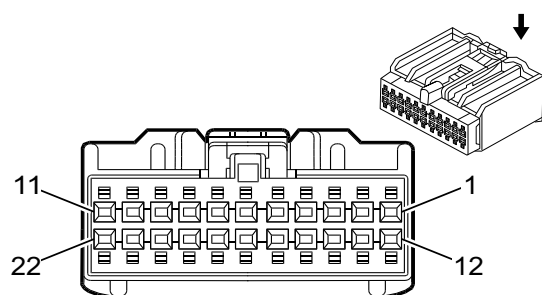
X308 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	GY	3273	I	—	Remote Function Actuator Low Reference	1	0.35	GY	3273	II	—
2	0.35	L-BU/WH	3275	I	—	Remote Function Actuator Receive Signal	2	0.35	L-BU/WH	3275	II	—
3	0.35	YE/L-GN	3274	I	—	Remote Function Actuator Transmit Signal	3	0.35	YE/L-GN	3274	II	—
4	0.35	GY/WH	3272	I	—	Remote Function Actuator Control	4	0.35	GY/WH	3272	II	—
5	—	—	—	—	—	Not Occupied	5	—	—	—	—	—
6	0.5	L-GN	5060	I	—	Low Speed GMLAN Serial Data	6	0.5	L-GN	5060	II	—

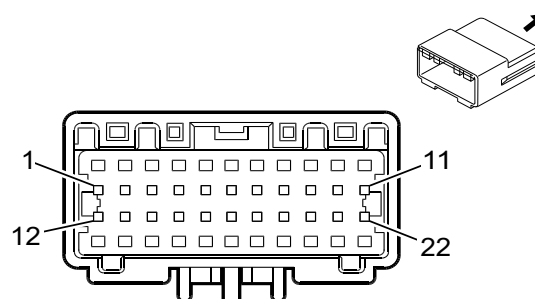
X308 Headliner Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	—	—	—	—	—	Local Inter-connect Network Serial Data Bus 1	7	0.5	L-GN/BN	6132	II	—
8	0.5	L-GN/WH	24	I	—	Backup Lamp Control	8	0.5	L-GN/WH	24	II	—
9	0.5	VT/L-GN	1739	I	—	Run/Crank Ignition 1 Voltage	9	0.5	VT/L-GN	1739	II	—
10	0.5	BK	3150	I	—	Ground	10	0.5	BK	3150	II	—

X308 Headliner Harness to Body Harness



2593042



2916467

Connector Part Information

Harness Type: Headliner
 OEM Connector: AIT2PB-22-2AK
 Service Connector: 13504097
 Description: 22-Way F 0.64 Kaizen Series (BK)

Connector Part Information

Harness Type: Body
 OEM Connector: 13892299
 Service Connector: 13505628
 Description: 22-Way M 0.64 Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
III	19299859	J-35616-65B (LT BU)	J-38125-215A	SAITW-A03T-064	Delphi 20	J	J
IV	19299859	J-35616-65B (LT BU)	J-38125-215A	SAITW-A03T-064	Delphi 20	Not Available	Not Available

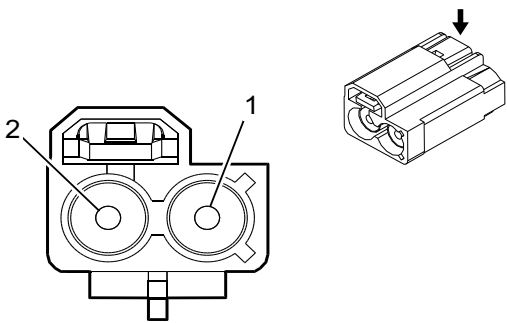
X308 Headliner Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	GY/WH	3272	II	—	Remote Function Actuator Control	1	0.35	GY/WH	3272	III	—
2	0.35	YE/GN	3274	II	—	Remote Function Actuator Transmit Signal	2	0.35	YE/GN	3274	III	—
3	0.35	BU/WH	3275	II	—	Remote Function Actuator Receive Signal	3	0.35	BU/WH	3275	III	—
4	0.35	GY	3273	II	—	Remote Function Actuator Low Reference	4	0.35	GY	3273	III	—
5	0.5	YE	6817	I	—	LED Backlight Dimming Control	5	0.5	YE	6817	III	—

X308 Headliner Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.5	WH/BN	6815	I	—	Inadvertent Power Control	6	0.75	WH/BN	6815	IV	—
7	0.5	GY	157	I	—	Interior Lamp Control	7	0.5	GY	157	III	—
8	0.35	GY/GN	328	II	—	Interior Lamp Defeat Switch Signal	8	0.35	GY/GN	328	III	—
9	0.35	GY	156	II	—	Courtesy Lamp Switch Signal	9	0.35	GY	156	III	—
10	0.5	VT/GN	1739	I	—	Run/Crank Ignition 1 Voltage	10	0.5	VT/GN	1739	III	—
11	0.5	GN/WH	24	I	—	Backup Lamp Control	11	0.5	GN/WH	24	III	—
12	0.75	BK	3150	I	—	Ground	12	0.75	BK	3150	IV	—
13	—	—	—	—	—	Not Occupied	13	—	—	—	—	—
14	0.35	VT/WH	5234	II	—	Passenger Seat Belt Indicator Control	14	0.35	VT/WH	5234	III	—
15	0.35	BU	2307	II	—	Passenger Air Bag On Indicator Control	15	0.35	BU	2307	III	—
16	0.35	GN	2308	II	—	Passenger Air Bag Off Indicator Control	16	0.35	GN	2308	III	—
17	0.5	GN	5060	I	—	Low Speed GMLAN Serial Data	17	0.5	GN	5060	III	—
18	—	—	—	—	—	Local Inter-connect Network Serial Data Bus 1	18	0.5	GN/BN	6132	III	—
19	0.35	VT/WH	1139	II	—	Run/Crank Ignition 1 Voltage	19	0.35	VT/WH	1139	III	—
20 - 22	—	—	—	—	—	Not Occupied	20 - 22	—	—	—	—	—

X309 Body Harness to Antenna Harness



4283324

Connector Part Information

Harness Type: Body COAX
OEM Connector: 13589366
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way F Coax Type (PU)

Connector Part Information

Harness Type: Antenna COAX
OEM Connector: Not Available
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 2-Way M

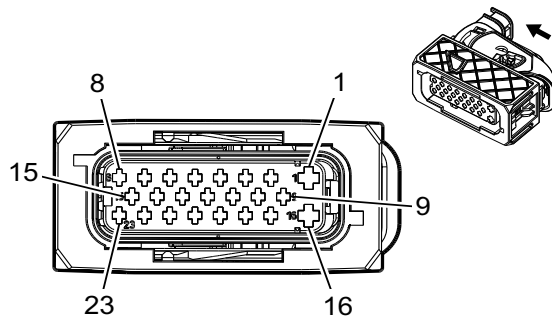
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X309 Body Harness to Antenna Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(GPS/Cell) Coaxial Antenna Cell/GPS combined Signal	—	—	Coax	—	I	—

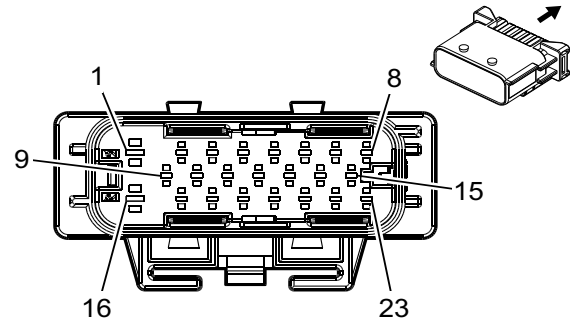
X310 Driver Seat Cushion Harness to Body Harness



2906942

Connector Part Information

Harness Type: Driver Seat Cushion
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 23-Way F



2906943

Connector Part Information

Harness Type: Body
 OEM Connector: 13750010
 Service Connector: 19332380
 Description: 23-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	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13327188	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

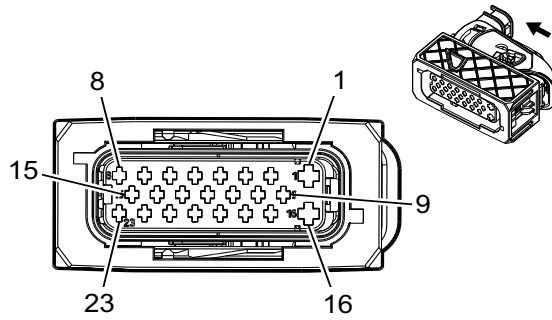
X310 Driver Seat Cushion Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/ YE	5040	I	—	Battery Positive Voltage	1	2.5	RD/ YE	5040	III	—
2	0.75	BK/ YE	2080	I	—	Driver Heated Seat NTC Low Reference	2	0.75	BK/ YE	2080	V	—
3 - 6	—	—	—	—	—	Not Occupied	3 - 6	—	—	—	—	—
7	0.35	YE/ OG	3482	I	—	Driver Seat Belt Anchor Pretensioner Low Control	7	0.35	YE/ OG	3482	IV	—
8	0.35	OG/ YE	3481	I	—	Driver Seat Belt Anchor Pretensioner High Control	8	0.35	OG/ YE	3481	IV	—
9	—	—	—	—	—	Not Occupied	9	—	—	—	—	—

X310 Driver Seat Cushion Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
10	0.75	VT/BK	2424	I	—	Driver Heated Back Element Low Reference	10	0.75	VT/BK	2424	V	—
11	0.35	OG/BN	238	I	—	Driver Seat Belt Switch Signal	11	0.35	OG/BN	238	II	—
12	0.35	L-GN/VT	5906	I	—	Driver Seat Vent Motor Control 1	12	0.35	L-GN/VT	5906	II	—
13	0.75	L-BU	2425	I	—	Driver Heated Back NTC Signal	13	0.75	L-BU	2425	V	—
14	—	—	—	—	—	Not Occupied	14	—	—	—	—	—
15	0.35	L-GN/OG	3069	I	—	Driver Side Impact Module Low Control	15	0.35	L-GN/OG	3069	IV	—
16	2.5	BK	3750	I	—	Ground	16	2.5	BK	3750	III	—
17	0.75	YE/GY	2079	I	—	Driver Heated Seat NTC Signal	17	0.75	YE/GY	2079	V	—
18	—	—	—	—	—	Not Occupied	18	—	—	—	—	—
19	0.35	BK/OG	1363	I	—	Driver Seat Belt Switch Low Reference	19	0.35	BK/OG	1363	IV	—
20	0.75	VT/BK	1239	I	—	Run/Crank Ignition 1 Voltage	20	0.75	VT/BK	1239	V	—
21	0.75	BN/VT	2077	I	—	Driver Heated Seat Element Control	21	0.75	BN/VT	2077	V	—
22	0.75	BN	2432	I	—	Driver Heated Back Element Control	22	0.75	BN	2432	V	—
23	0.35	OG/L-BU	3068	I	—	Driver Side Impact Module High Control	23	0.35	OG/L-BU	3068	IV	—

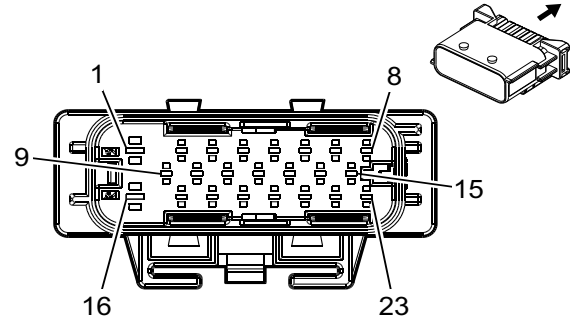
X320 Passenger Seat Harness to Body Harness



2906942

Connector Part Information

Harness Type: Passenger Seat
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 23-Way F



2906943

Connector Part Information

Harness Type: Body
 OEM Connector: 13750010
 Service Connector: 19332380
 Description: 23-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	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13327188	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	13575574	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13579985	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
V	13582335	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X320 Passenger Seat Harness to Body Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/BN	1440	I	—	Battery Positive Voltage	1	2.5	RD/BN	1440	III	—
2	0.75	BK/YE	2080	I	—	Driver Heated Seat NTC Low Reference	2	0.75	BK/YE	2080	V	—
3	0.75	RD/L-GN	5140	I	—	Battery Positive Voltage	3	0.75	RD/L-GN	5140	V	—
4	—	—	—	—	—	Not Occupied	4	—	—	—	—	—
5	0.5	BK/WH	2251	I	—	Signal Ground	5	0.5	BK/WH	2251	IV	—
6	0.35	L-GN	5060	I	—	Low Speed GMLAN Serial Data	6	0.35	L-GN	5060	II	—

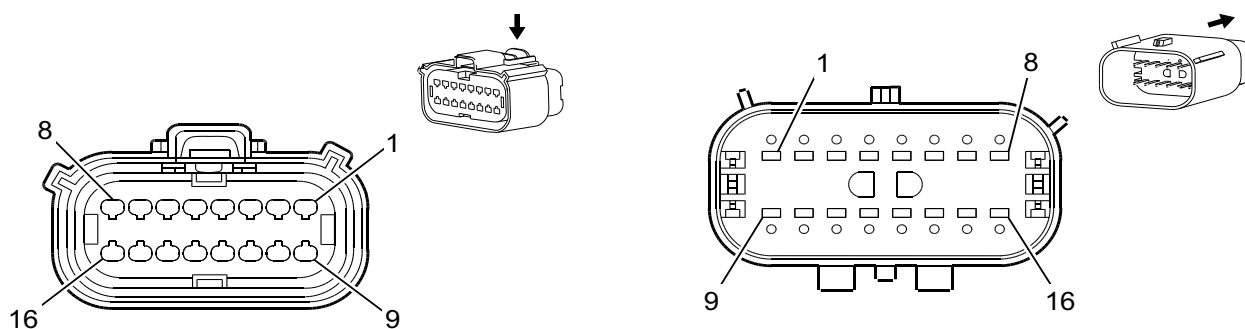
X320 Passenger Seat Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
7	0.35	GY/OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	7	0.35	GY/OG	3480	IV	—
8	0.35	OG/BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	8	0.35	OG/BN	3479	IV	—
9	0.75	RD/L-GN	6140	I	—	Battery Positive Voltage	9	0.75	RD/L-GN	6140	V	—
10	0.75	VT/BK	2424	I	—	Driver Heated Back Element Low Reference	10	0.75	VT/BK	2424	V	—
11	0.35	OG/VT	1362	I	—	Passenger Seat Belt Switch Signal	11	0.35	OG/VT	1362	IV	—
12	0.35	RD/L-GN	4440	I	—	Battery Positive Voltage	12	0.35	RD/L-GN	4440	II	—
13	0.75	L-BU	2425	I	—	Driver Heated Back NTC Signal	13	0.75	L-BU	2425	V	—
14	0.35	L-GN/VT	5906	I	—	Driver Seat Vent Motor Control 1	14	0.35	L-GN/VT	5906	II	—
15	0.35	BN/OG	3067	I	—	Passenger Side Impact Module Low Control	15	0.35	BN/OG	3067	IV	—
16	2.5	BK	3850	I	—	Ground	16	2.5	BK	3850	III	—
17	0.75	YE/GY	2079	I	—	Driver Heated Seat NTC Signal	17	0.75	YE/GY	2079	V	—
18	0.5	L-GN/L-BU	6133	I	—	Local Interconnect Network Serial Data Bus 2	18	0.5	L-GN/L-BU	6133	V	—
19	0.35	BK/OG	1361	I	—	Passenger Seat Belt Switch Low Reference	19	0.35	BK/OG	1361	IV	—
20	0.75	VT/BK	1239	I	—	Run/Crank Ignition 1 Voltage	20	0.75	VT/BK	1239	V	—
21	0.75	BN/VT	2077	I	—	Driver Heated Seat Element Control	21	0.75	BN/VT	2077	V	—
22	0.75	BN	2432	I	—	Driver Heated Back Element Control	22	0.75	BN	2432	V	—

X320 Passenger Seat Harness to Body Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
23	0.35	OG/ GY	3066	I	—	Passenger Side Impact Module High Control	23	0.35	OG/ GY	3066	IV	—

X400 Rear Fascia Harness to Chassis Harness



3639447

4223713

Connector Part Information

Harness Type: Rear Fascia
 OEM Connector: 33472-1607
 Service Connector: Service by Harness - See Part Catalog
 Description: 16-Way F 150 MX Series, Sealed (L-GY)

Connector Part Information

Harness Type: Chassis
 OEM Connector: 33482-1602
 Service Connector: 19333320
 Description: 16-Way M 150 MX Series, Sealed (GY)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	19119395	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

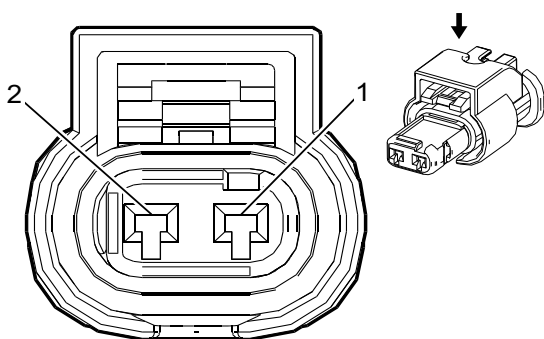
X400 Rear Fascia Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	L-GN/WH	24	I	—	Backup Lamp Control	1	0.5	L-GN/WH	24	II	—
2	0.5	VT/L-GN	1739	I	—	Run/Crank Ignition 1 Voltage	2	0.5	VT/L-GN	1739	II	—
3	0.5	BK/WH	751	I	—	Signal Ground	3	0.5	BK/WH	751	II	—
4	0.5	BK	750	I	—	Ground	4	0.5	BK	750	II	—
5	0.5	L-GN/YE	6846	I	—	Rear License Lamp Control	5	0.5	L-GN/YE	6846	II	—
6	—	—	—	—	—	Not Occupied	6	—	—	—	—	—
7	0.5	BK/GY	2379	I	—	Object Sensor Low Reference	7	0.75	BK/GY	2379	II	—
8	0.5	BN/WH	2374	I	—	Object Sensor Control	8	0.75	BN/WH	2374	II	—
9	0.5	L-GN	6974	I	—	Camera Low Reference	9	0.5	L-GN	6974	II	—
10	0.5	WH/L-BU	6973	I	—	Camera Signal 2	10	0.5	WH/L-BU	6973	II	—
11	0.5	GY/YE	6972	I	—	Camera Signal 2 +	11	0.5	GY/YE	6972	II	—

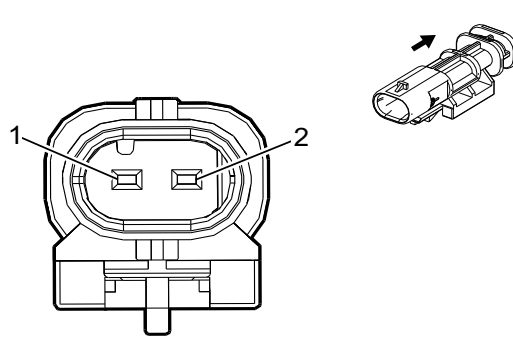
X400 Rear Fascia Harness to Chassis Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—
13	0.5	YE	2375	I	—	Left Rear Corner Object Sensor Signal	13	0.5	YE	2375	II	—
14	0.5	YE/L-BU	2376	I	—	Left Rear Middle Object Sensor Signal	14	0.5	YE/L-BU	2376	II	—
15	0.5	YE/VT	2378	I	—	Right Rear Corner Object Sensor Signal	15	0.5	YE/VT	2378	II	—
16	0.5	YE/WH	2377	I	—	Right Rear Middle Object Sensor Signal	16	0.5	YE/WH	2377	II	—

X401 Cargo Lamp Harness to Chassis Harness



2474752



2474755

Connector Part Information

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

Connector Part Information

Harness Type: Chassis
 OEM Connector: 2203314-1
 Service Connector: 19332631
 Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

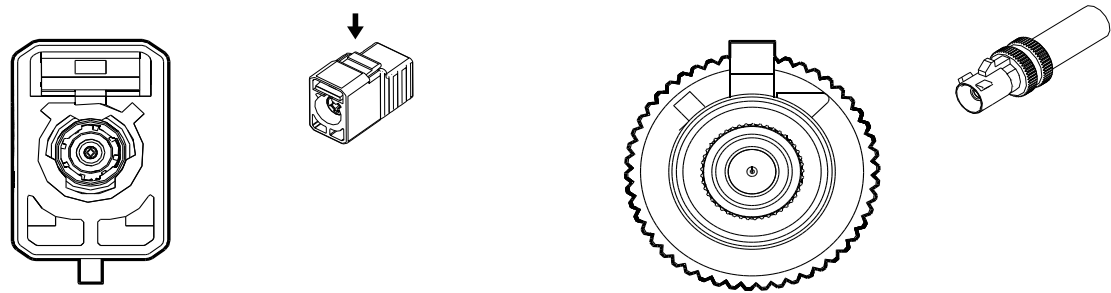
Terminal Part Information

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

X401 Cargo Lamp Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	WH/VT	1430	I	—	Exterior Courtesy Lamp Control	1	0.75	WH/VT	1430	II	—
2	0.75	BK/WH	751	I	—	Signal Ground	2	0.75	BK/WH	751	II	—

X402 Rear Fascia Harness to Chassis Harness



2893647

5001492

Connector Part Information

Harness Type: Rear Fascia COAX
OEM Connector: 13508115
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Connector Part Information

Harness Type: Chassis COAX
OEM Connector: 13508111
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way M Coax Type (BK)

Terminal Part Information

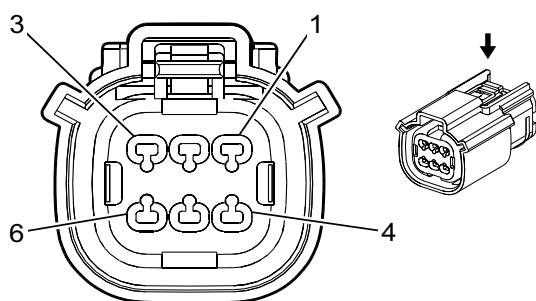
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X402 Rear Fascia Harness to Chassis Harness

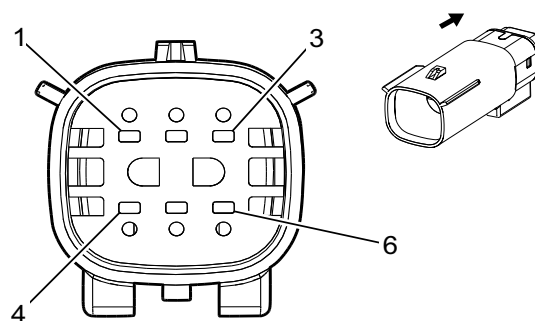
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
—	—	Coax	—	I	—	(ISRVM) Camera Video Signal	—	—	Coax	—	I	—

cardiagn.com

X410 Tail Lamp - Left Harness to Chassis Harness



1986157



1986159

Connector Part Information

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

Connector Part Information

Harness Type: Chassis
 OEM Connector: 33482-3601
 Service Connector: 13585853
 Description: 6-Way M 150 MX Series, Sealed (BK)

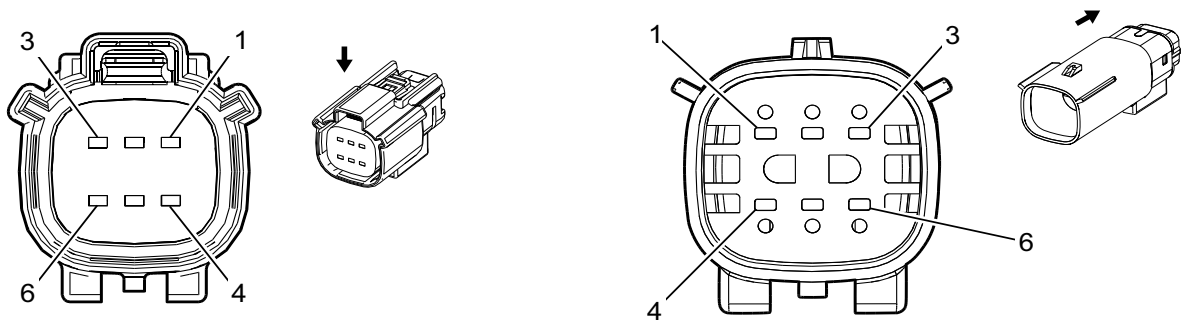
Terminal Part Information

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

X410 Tail Lamp - Left Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	L-GN/WH	24	I	—	Backup Lamp Control	1	1.5	L-GN/WH	24	II	—
2	1.5	BN/L-BU	2509	I	—	Left Rear Park Lamp Control	2	1.5	BN/L-BU	2509	II	—
3	1.5	GY/YE	7542	I	—	Left Rear Stop Lamp Control	3	1.5	GY/YE	7542	II	—
4	1.5	BK	750	I	—	Ground	4	1.5	BK	750	II	—
5 - 6	—	—	—	—	—	Not Occupied	5 - 6	—	—	—	—	—

X420 Tail Lamp - Right Harness to Chassis Harness



2425071

1986159

Connector Part Information

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

Connector Part Information

Harness Type: Chassis
OEM Connector: 33482-3601
Service Connector: 13585853
Description: 6-Way M 150 MX Series, Sealed (BK)

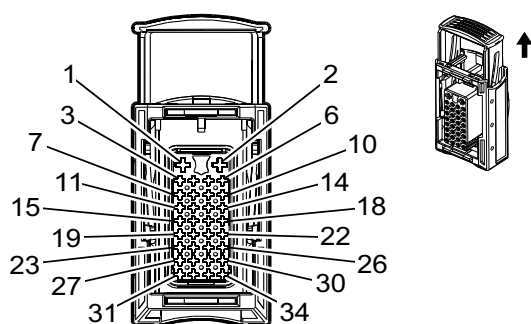
Terminal Part Information

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

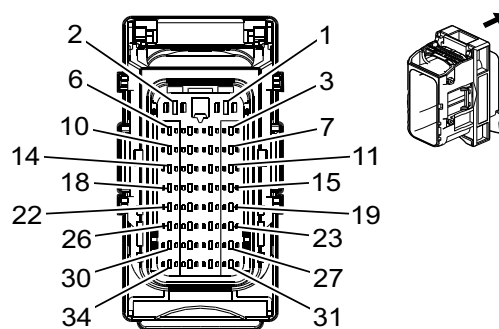
X420 Tail Lamp - Right Harness to Chassis Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	L-GN/WH	24	I	—	Backup Lamp Control	1	1.5	L-GN/WH	24	II	—
2	1.5	BN/GY	2609	I	—	Right Rear Park Lamp Control	2	1.5	BN/GY	2609	II	—
3	1.5	WH/YE	7541	I	—	Right Rear Stop Lamp Control	3	1.5	WH/YE	7541	II	—
4	1.5	BK	850	I	—	Ground	4	1.5	BK	850	II	—
5 - 6	—	—	—	—	—	Not Occupied	5 - 6	—	—	—	—	—

X500 Body Harness to Driver Door Harness



2042940



2042941

Connector Part Information

Harness Type: Body
 OEM Connector: 30432411
 Service Connector: 19300485
 Description: 34-Way F 1.5, 2.8 Series, Sealed (BK)

Connector Part Information

Harness Type: Driver Door
 OEM Connector: 3 053 06 11
 Service Connector: Service by Harness - See Part Catalog
 Description: 34-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13588058	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	-	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	-	J-35616-35 (VT)	J-38125-557	60012941	AFL 21	Not Available	Not Available
IV	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required
V	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
VI	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

X500 Body Harness to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-BU	1240	III	—	Battery Positive Voltage	1	2.5	RD/L-BU	1240	VI	—
2	2.5	BK	3550	III	—	Ground	2	2.5	BK	3550	VI	—
3	0.35	WH	3398	I	—	Passenger Mirror Motor Common Control	3	0.35	WH	3398	V	—
4	0.5	BN/YE	2267	II	—	Mirror Heating Element Control	4	0.5	BN/YE	2267	IV	—
5	0.35	YE/VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	5	0.35	YE/VT	3397	V	—

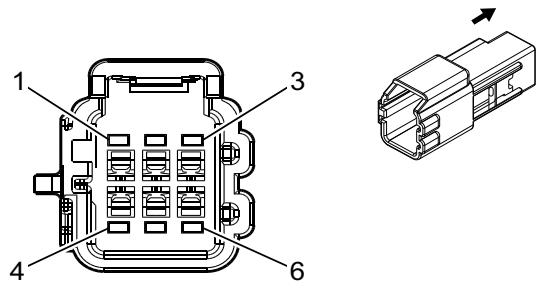
X500 Body Harness to Driver Door Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.35	L-GN/ BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	6	0.35	L-GN/ BK	3396	V	—
7 - 8	—	—	—	—	—	Not Occupied	7 - 8	—	—	—	—	—
9	1	BN/L-BU	118	II	—	Left Front Speaker Signal (-) 1	9	1	BN/L-BU	118	IV	—
10	1	L-BU	201	II	—	Left Front Speaker Control (+) 1	10	1	L-BU	201	IV	—
11	—	—	—	—	—	Not Occupied	11	—	—	—	—	—
12	0.35	WH	6816	I	—	Indicator Dimming Control	12	0.35	WH	6816	V	—
13	—	—	—	—	—	Not Occupied	13	—	—	—	—	—
14	0.35	OG/ L-GN	2132	I	—	Left Front Side Impact Sensing Module Signal	14	0.35	OG/ L-GN	2132	V	—
15	0.35	BK/ OG	6628	I	—	Left Front Side Impact Sensing Module Low Reference	15	0.35	BK/ OG	6628	V	—
16	0.35	RD/ VT	1940	I	—	Battery Positive Voltage	16	0.5 0.35	RD/ VT RD/ VT	1940 1940	IV V	-DL9 DL9
17	0.35	BN/ WH	781	I	—	Driver Door Lock Switch Unlock Signal	17	0.35	BN/ WH	781	V	—
18	0.35	BN/ YE	780	I	—	Driver Door Lock Switch Lock Signal	18	0.35	BN/ YE	780	V	—
19	0.75	BN/ YE	294	II	—	Door Lock Actuator Unlock Control	19	0.75	BN/ YE	294	IV	—
20	0.75	GY	5911	II	—	Door Lock Actuator Lock Control 2	20	0.75	GY	5911	IV	—
21 - 25	—	—	—	—	—	Not Occupied	21 - 25	—	—	—	—	—
26	0.35	YE	6817	I	—	LED Backlight Dimming Control	26	0.35	YE	6817	V	—
27 - 31	—	—	—	—	—	Not Occupied	27 - 31	—	—	—	—	—

X500 Body Harness to Driver Door Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
32	0.35	GY	5697	I	—	Child Lockout Indicator Control	32	0.35	GY	5697	V	—
33	0.5	L-GN/ YE	6134	II	—	Local Inter-connect Network Serial Data Bus 3	33	0.5	L-GN/ YE	6134	IV	—
34	0.35	YE/ BN	3265	I	—	Child Security Lock Switch Signal	34	0.35	YE/ BN	3265	V	—

X510 Outside Rearview Mirror Harness to Driver Door Harness



4446774

Connector Part Information

Harness Type: Outside Rearview Mirror
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F

Connector Part Information

Harness Type: Driver Door
OEM Connector: 6098-7693
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way M 1.2 OCS Series (BK)

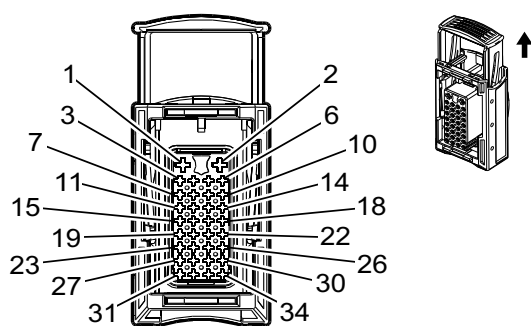
Terminal Part Information

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

X510 Outside Rearview Mirror Harness to Driver Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/BN	3391	I	—	Driver Mirror Motor Common Control	1	0.35	YE/BN	3391	II	—
2	0.35	VT/L-BU	3390	I	—	Driver Mirror Motor Up (+) Down (-) Control	2	0.35	VT/L-BU	3390	II	—
3	0.35	BN/BK	3389	I	—	Driver Mirror Motor Right (+) Left (-) Control	3	0.35	BN/BK	3389	II	—
4	0.5	BN/YE	2267	I	—	Mirror Heating Element Control	4	0.5	BN/YE	2267	II	—
5	0.5	BK	3550	I	—	Ground	5	0.5	BK	3550	II	—

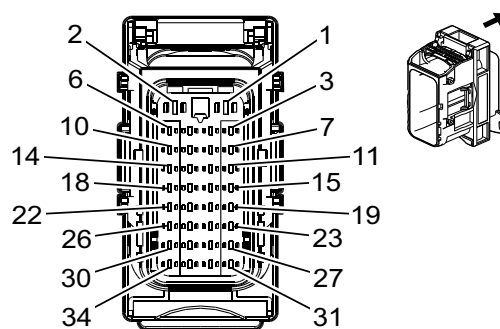
X600 Body Harness to Passenger Door Harness



2042940

Connector Part Information

Harness Type: Body
 OEM Connector: 30432411
 Service Connector: 19300485
 Description: 34-Way F 1.5, 2.8 Series, Sealed (BK)



2042941

Connector Part Information

Harness Type: Passenger Door
 OEM Connector: 3 053 06 11
 Service Connector: Service by Harness - See Part Catalog
 Description: 34-Way M 1.5, 2.8 Series, Sealed (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13588058	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	-	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	-	J-35616-35 (VT)	J-38125-557	60012941	AFL 21	Not Available	Not Available
IV	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required
V	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
VI	Not Required	J-35616-5 (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

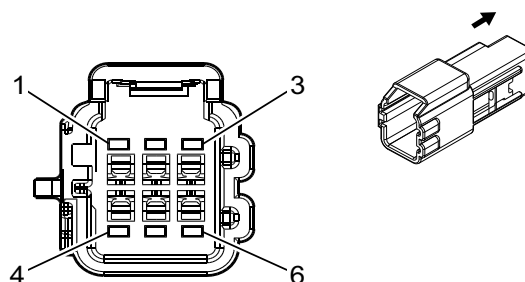
X600 Body Harness to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	III	—	Battery Positive Voltage	1	2.5	RD/WH	1340	VI	—
2	2.5	BK	3650	III	—	Ground	2	2.5	BK	3650	VI	—
3	0.35	WH	3398	I	—	Passenger Mirror Motor Common Control	3	0.35	WH	3398	V	—
4	0.5	BN/YE	2267	II	—	Mirror Heating Element Control	4	0.5	BN/YE	2267	IV	—
5	0.35	YE/VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	5	0.35	YE/VT	3397	V	—

X600 Body Harness to Passenger Door Harness (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
6	0.35	L-GN/ BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	6	0.35	L-GN/ BK	3396	V	—
7 - 8	—	—	—	—	—	Not Occupied	7 - 8	—	—	—	—	—
9	1	YE/ BK	117	II	—	Right Front Speaker Signal (-) 1	9	1	YE/ BK	117	IV	—
10	1	YE	200	II	—	Right Front Speaker Control (+) 1	10	1	YE	200	IV	—
11 - 13	—	—	—	—	—	Not Occupied	11 - 13	—	—	—	—	—
14	0.35	BN/ OG	2134	I	—	Right Front Side Impact Sensing Module Signal	14	0.35	BN/ OG	2134	V	—
15	0.35	BK/ OG	6629	I	—	Right Front Side Impact Sensing Module Low Reference	15	0.35	BK/ OG	6629	V	—
16	—	—	—	—	—	Not Occupied	16	—	—	—	—	—
17	0.35	BN/ VT	245	I	—	Passenger Door Lock Switch Unlock Control	17	0.35	BN/ VT	245	V	—
18	0.35	YE/ VT	244	I	—	Passenger Door Lock Switch Lock Control	18	0.35	YE/ VT	244	V	—
19	0.75	BN/ YE	294	II	—	Door Lock Actuator Unlock Control	19	0.75	BN/ YE	294	IV	—
20	0.75	GY	295	II	—	Door Lock Actuator Lock Control	20	0.75	GY	295	IV	—
21 - 25	—	—	—	—	—	Not Occupied	21 - 25	—	—	—	—	—
26	0.35	YE	6817	I	—	LED Backlight Dimming Control	26	0.35	YE	6817	V	—
27 - 32	—	—	—	—	—	Not Occupied	27 - 32	—	—	—	—	—
33	0.5	L-GN/ YE	6134	II	—	Local Interconnect Network Serial Data Bus 3	33	0.5	L-GN/ YE	6134	IV	—
34	—	—	—	—	—	Not Occupied	34	—	—	—	—	—

X610 Outside Rearview Mirror Harness to Passenger Door Harness



4446774

Connector Part Information

Harness Type: Outside Rearview Mirror
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 6-Way F

Connector Part Information

Harness Type: Passenger Door
 OEM Connector: 6098-7693
 Service Connector: Service by Harness - See Part Catalog
 Description: 6-Way M 1.2 OCS Series (BK)

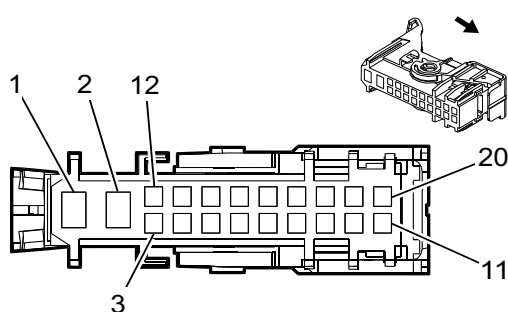
Terminal Part Information

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

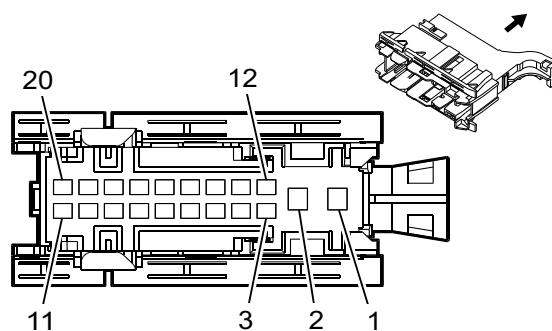
X610 Outside Rearview Mirror Harness to Passenger Door Harness

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	WH	3398	I	—	Passenger Mirror Motor Common Control	1	0.35	WH	3398	II	—
2	0.35	YE/VT	3397	I	—	Passenger Mirror Motor Up (+) Down (-) Control	2	0.35	YE/VT	3397	II	—
3	0.35	L-GN/BK	3396	I	—	Passenger Mirror Motor Right (+) Left (-) Control	3	0.35	L-GN/BK	3396	II	—
4	0.5	BN/YE	2267	I	—	Mirror Heating Element Control	4	0.5	BN/YE	2267	II	—
5	0.5	BK	3650	I	—	Ground	5	0.5	BK	3650	II	—

X700 Left Rear Door Harness to Body Harness (Crew Cab)



2474676



3621541

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

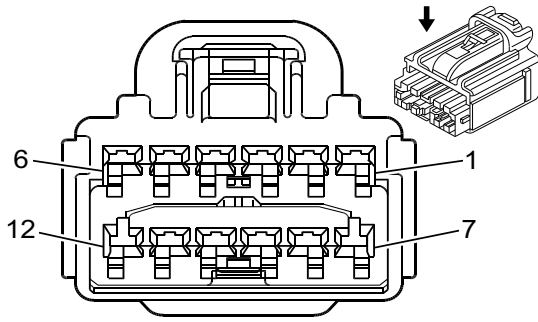
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575706	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	19368263	J-35616-3 (GY)	J-38125-12A	964265-2	Lear 28	E	2
VII	19368263	J-35616-3 (GY)	J-38125-12A	964265-2	Lear 28	E	C

X700 Left Rear Door Harness to Body Harness (Crew Cab)

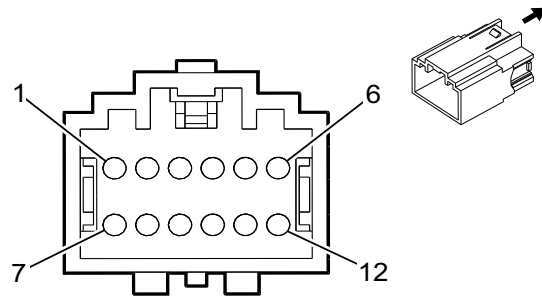
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/L-BU	1240	II	—	Battery Positive Voltage	1	2.5	RD/L-BU	1240	IV	—
2	2.5	BK	3350	II	—	Ground	2	2.5	BK	3350	IV	—
3-6	—	—	—	—	—	Not Occupied	3-6	—	—	—	—	—
7	1	L-GN	199	I	—	Left Rear Speaker Control (+)	7	1	L-GN	199	III	—
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—

X700 Left Rear Door Harness to Body Harness (Crew Cab) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.75	WH/ L-BU	3266	I	—	Child Security Lock Motor Lock Control	9	0.75	WH/ L-BU	3266	VII	—
10	0.75	BN/ YE	294	I	—	Door Lock Actuator Unlock Control	10	0.75	BN/ YE	294	VII	—
11	0.75	GY	295	I	—	Door Lock Actuator Lock Control	11	0.75	GY	295	VII	—
12 - 15	—	—	—	—	—	Not Occupied	12 - 15	—	—	—	—	—
16	1	L-GN/ BK	116	I	—	Left Rear Speaker Signal (-)	16	1	L-GN/ BK	116	III	—
17 - 18	—	—	—	—	—	Not Occupied	17 - 18	—	—	—	—	—
19	0.35	BN/ WH	3269	I	—	Child Security Lock Motor Status Signal Left Rear	19	0.35	BN/ WH	3269	V	—
20	0.5	L-GN/ GY	6135	I	—	Local Inter-connect Network Serial Data Bus 4	20	0.5	L-GN/ GY	6135	VI	—

X700 Left Rear Door Harness to Body Harness (Extended Cab)

1856789



3240100

Connector Part Information

Harness Type: Left Rear Door
 OEM Connector: 7283-3442-40
 Service Connector: Service by Harness - See Part Catalog
 Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
 OEM Connector: 7282-3442-40
 Service Connector: 88988266
 Description: 12-Way M 1.5 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-3 (GY)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

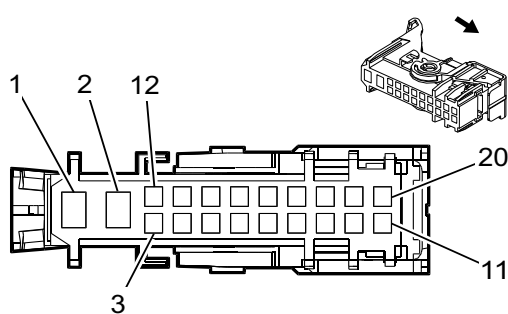
X700 Left Rear Door Harness to Body Harness (Extended Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	OG/YE	3481	I	—	Driver Seat Belt Anchor Pretensioner High Control	2	0.35	OG/YE	3481	III	—
3	0.5	OG/WH	3477	I	—	Driver Seat Belt Retractor Pretensioner High Control	3	0.35	OG/WH	3477	III	—
4	1	L-GN/BK	116	I	—	Left Rear Speaker Signal (-)	4	1	L-GN/BK	116	II	—
5	0.35	GY	747	I	—	Left Rear Door Ajar Switch Signal	5	0.35	GY	747	II	—
6-7	—	—	—	—	—	Not Occupied	6-7	—	—	—	—	—

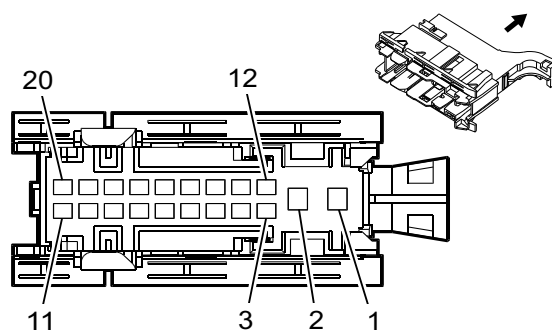
X700 Left Rear Door Harness to Body Harness (Extended Cab) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	VT/OG	3482	I	—	Driver Seat Belt Anchor Pretensioner Low Control	8	0.35	YE/OG	3482	III	—
9	0.5	GY/OG	3478	I	—	Driver Seat Belt Retractor Pretensioner Low Control	9	0.35	GY/OG	3478	III	—
10	1	L-GN	199	I	—	Left Rear Speaker Control (+)	10	1	L-GN	199	II	—
11	0.35	BK	3350	I	—	Ground	11	0.5	BK	3350	II	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—

X800 Right Rear Door Harness to Body Harness (Crew Cab)



2474676



3621541

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	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	13575556	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IV	13575706	J-35616-32 (OR)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575775	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	19368263	J-35616-3 (GY)	J-38125-12A	964265-2	Lear 28	E	2
VII	19368263	J-35616-3 (GY)	J-38125-12A	964265-2	Lear 28	E	C

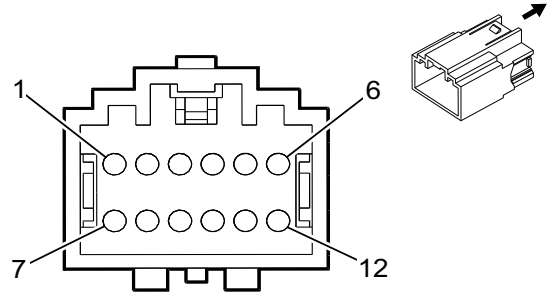
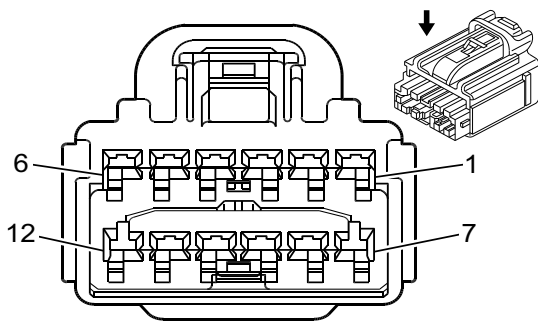
X800 Right Rear Door Harness to Body Harness (Crew Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	2.5	RD/WH	1340	II	—	Battery Positive Voltage	1	2.5	RD/WH	1340	IV	—
2	2.5	BK	3450	II	—	Ground	2	2.5	BK	3450	IV	—
3-6	—	—	—	—	—	Not Occupied	3-6	—	—	—	—	—
7	1	WH	46	I	—	Right Rear Speaker Control (+)	7	1	WH	46	III	—
8	—	—	—	—	—	Not Occupied	8	—	—	—	—	—

X800 Right Rear Door Harness to Body Harness (Crew Cab) (cont'd)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
9	0.75	WH/ L-BU	3266	I	—	Child Security Lock Motor Lock Control	9	0.75	WH/ L-BU	3266	VII	—
10	0.75	BN/ YE	294	I	—	Door Lock Actuator Unlock Control	10	0.75	BN/ YE	294	VII	—
11	0.75	GY	295	I	—	Door Lock Actuator Lock Control	11	0.75	GY	295	VII	—
12 - 15	—	—	—	—	—	Not Occupied	12 - 15	—	—	—	—	—
16	1	L-BU/ BK	115	I	—	Right Rear Speaker Signal (-)	16	1	L-BU/ BK	115	III	—
17 - 18	—	—	—	—	—	Not Occupied	17 - 18	—	—	—	—	—
19	0.35	GY/ BK	3268	I	—	Child Security Lock Motor Status Signal Right Rear	19	0.35	GY/ BK	3268	V	—
20	0.5	L-GN/ GY	6135	I	—	Local Inter-connect Network Serial Data Bus 4	20	0.5	L-GN/ GY	6135	VI	—

X800 Right Rear Door Harness to Body Harness (Extended Cab)



1856789

3240100

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7283-3442-40
Service Connector: Service by Harness - See Part Catalog
Description: 12-Way F YESC Kaizen Series (L-GY)

Connector Part Information

Harness Type: Body
OEM Connector: 7282-3442-40
Service Connector: 88988266
Description: 12-Way M 1.5 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	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	13575818	J-35616-3 (GY)	J-38125-553	Not Available	Not Available	Not Available	Not Available
III	19329753	J-35616-3 (GY)	J-38125-12A	Not Available	Not Available	Not Available	Not Available

X800 Right Rear Door Harness to Body Harness (Extended Cab)

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	—	—	—	—	—	Not Occupied	1	—	—	—	—	—
2	0.5	OG/BN	3479	I	—	Passenger Seat Belt Anchor Pretensioner High Control	2	0.35	OG/BN	3479	III	—
3	0.5	OG/L-GN	3475	I	—	Passenger Seat Belt Retractor Pretensioner High Control	3	0.35	OG/L-GN	3475	III	—
4	1	L-BU/BK	115	I	—	Right Rear Speaker Signal (-)	4	1	L-BU/BK	115	II	—
5	0.35	GY	748	I	—	Right Rear Door Ajar Switch Signal	5	0.35	GY	748	II	—
6 - 7	—	—	—	—	—	Not Occupied	6 - 7	—	—	—	—	—

X800 Right Rear Door Harness to Body Harness (Extended Cab) (cont'd)

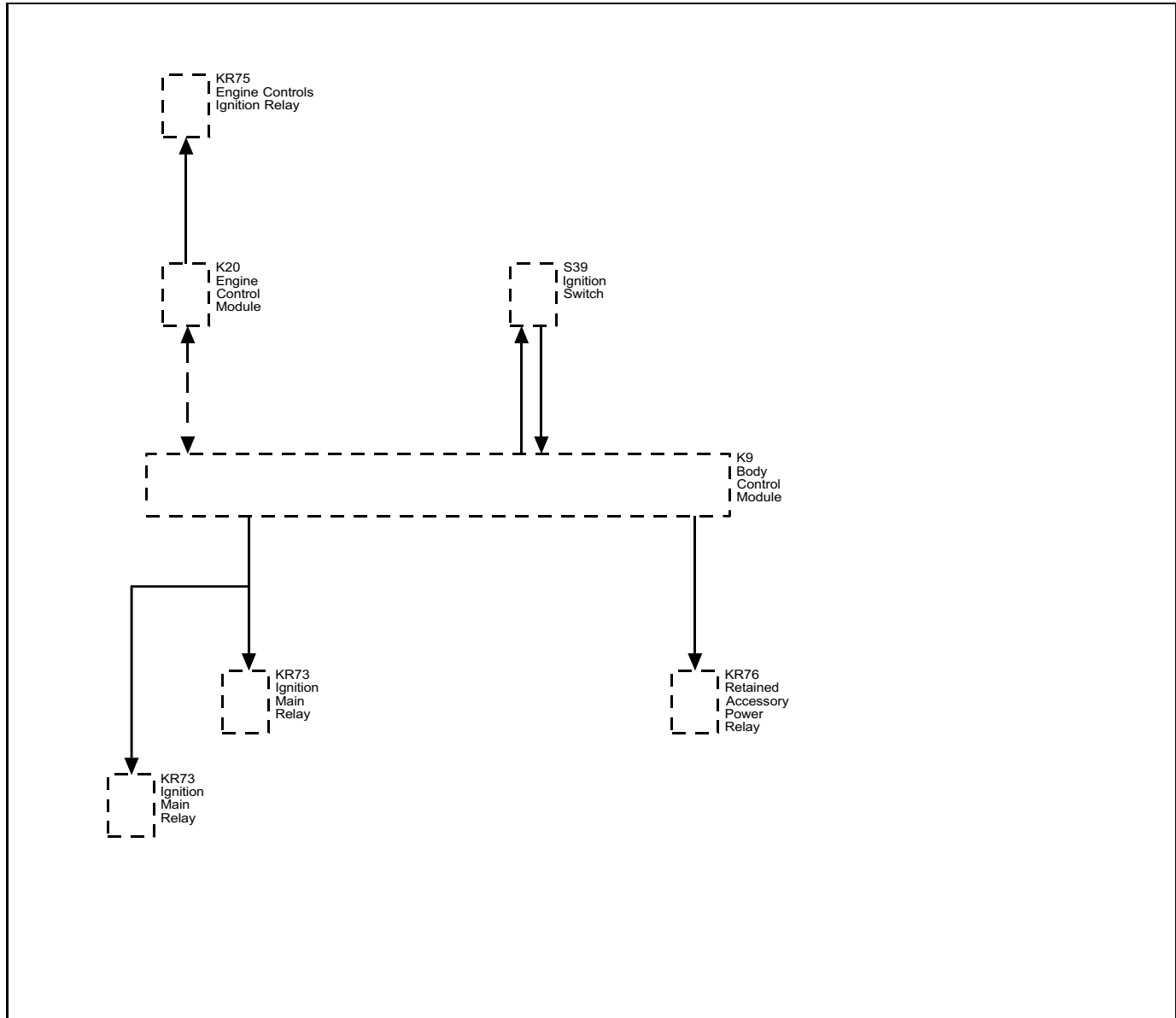
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
8	0.5	GY/OG	3480	I	—	Passenger Seat Belt Anchor Pretensioner Low Control	8	0.35	GY/OG	3480	III	—
9	0.5	WH/OG	3476	I	—	Passenger Seat Belt Retractor Pretensioner Low Control	9	0.35	WH/OG	3476	III	—
10	1	WH	46	I	—	Right Rear Speaker Control (+)	10	1	WH	46	II	—
11	0.35	BK	3450	I	—	Ground	11	0.5	BK	3450	II	—
12	—	—	—	—	—	Not Occupied	12	—	—	—	—	—

Wiring Systems and Power Management

Description and Operation

Power Mode Description and Operation

Power Moding Description and Operation Block Diagram



Serial Data Power Mode Master

Power to many of this vehicle's circuits is controlled by the module that is designated the power mode master. This vehicle's 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 ignition switch is a low current

switch with multiple discrete ignition 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 (Off, Accessory, Run, Crank Request) 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.

3829550

The power mode master receives ignition switch or ignition mode switch signals to identify the operators desired power mode. The Power Mode Parameter tables below illustrate the correct state of these input parameters (circuits) in correspondence to the ignition switch position or ignition mode switch with the transmitter to vehicle range:

Power Mode Parameters

Ignition Switch Position	Power Mode Transmitted	Ign. Off/Run/Crank (Off/Run Crank Voltage Circuit)	Ignition Accessory/Run (Accessory Voltage Circuit)	Ignition Run/Crank (Ignition 1 Voltage Circuit)
Off Key Out	Off	Key Out / ACC	Inactive	Inactive
Off Key IN	Off	Key In / Off	Inactive	Inactive
Accessory	Accessory	Key Out / ACC	Active	Inactive
Run	Run	Run	Active	Active
Start	Crank Request	Crank	Inactive	Active

Relay Controlled Power Mode

The BCM uses the discrete ignition switch inputs Off/Run/Crank Voltage, Accessory Voltage, and Ignition 1 Voltage, to distinguish the correct power mode. The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode.

The accessory relay remains on for a timed period after the Ignition key is removed. Refer to *Retained Accessory Power Description and Operation on page 5-782* for more information on the retained accessory power function.

Battery Saver Mode (Transport Mode)

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 a vehicle is in transport/storage, some features may have reduced functionality while in the battery saver mode, such as disabling keyless entry, afterblow, and content theft features. Battery saver mode is initiated by turning on the hazard flashers, applying the brake pedal, and then turning the ignition key to the start position or pushing the ignition mode switch with the foot on the brake for greater than 15 seconds. The mode is disengaged by repeating the previous process. The driver information center (if equipped) will display Transport Mode is On when battery saver mode is enabled and Transport Mode is Off when battery saver mode is disabled. For vehicles not equipped with a driver information center, the battery indicator light will constantly flash on the Instrument Cluster when battery saver mode is enabled. 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
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

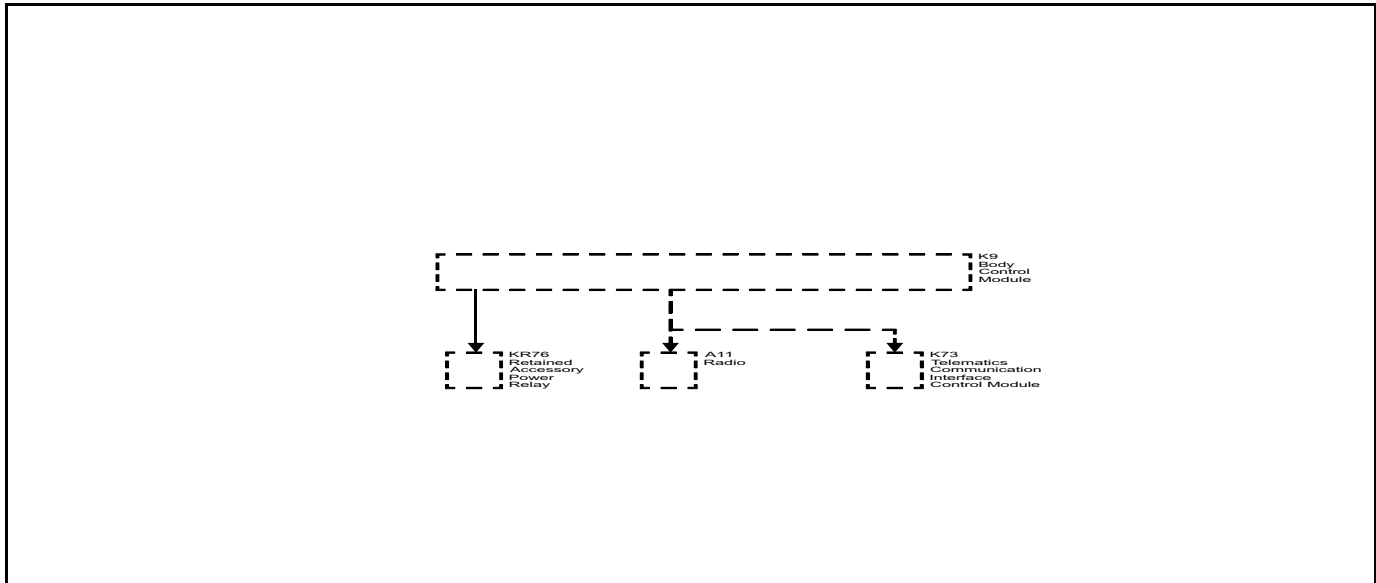
The BCM will enter a sleep state when all of the following conditions exist:

- The ignition switch is OFF, key out.
- Ignition OFF, transmitter is out of range
- No activity exists on the serial data line.
- 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.

Retained Accessory Power Description and Operation

RAP Description and Operation Block Diagram



3275532

Retained Accessory Power

The body control module (BCM) monitors the ignition switch position, 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 by the BCM through a relay. Components and systems that are active in retained accessory power are also activated anytime the ignition is any position other than OFF regardless of the door switch signals.

Relay Controlled Retained Accessory Power

The BCM keeps the relay energized during all power modes, except Off-Awake and Crank. The relay is also energized for approximately 10 minutes after shutting the ignition OFF and removing the key, providing no door is opened.

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

- The BCM receives an input from any door ajar or open switch indicating the opening of any door after the ignition key is out of the ignition.
Note: If the BCM is receiving any door ajar or open signal from those switches when the ignition key is turned OFF, retained accessory power will not initiate.
- The BCM internal timer for the retained accessory power expires after approximately 10 minutes.
- The BCM 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:

Note: The vehicle may not be equipped with all components as listed below.

- Accessory Power Receptacle
- Cigarette Lighter Receptacle
- Window Switches
- Sunroof Control Module
- Sunroof Switch
- Mobile Device Wireless Charger Module
- Mobile Telephone Control Module
- Traffic Data Receiver
- Transmission Shift Lever Position Indicator (w/ floor mounted console gear shift)
- Seat Heating Control Module

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.

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