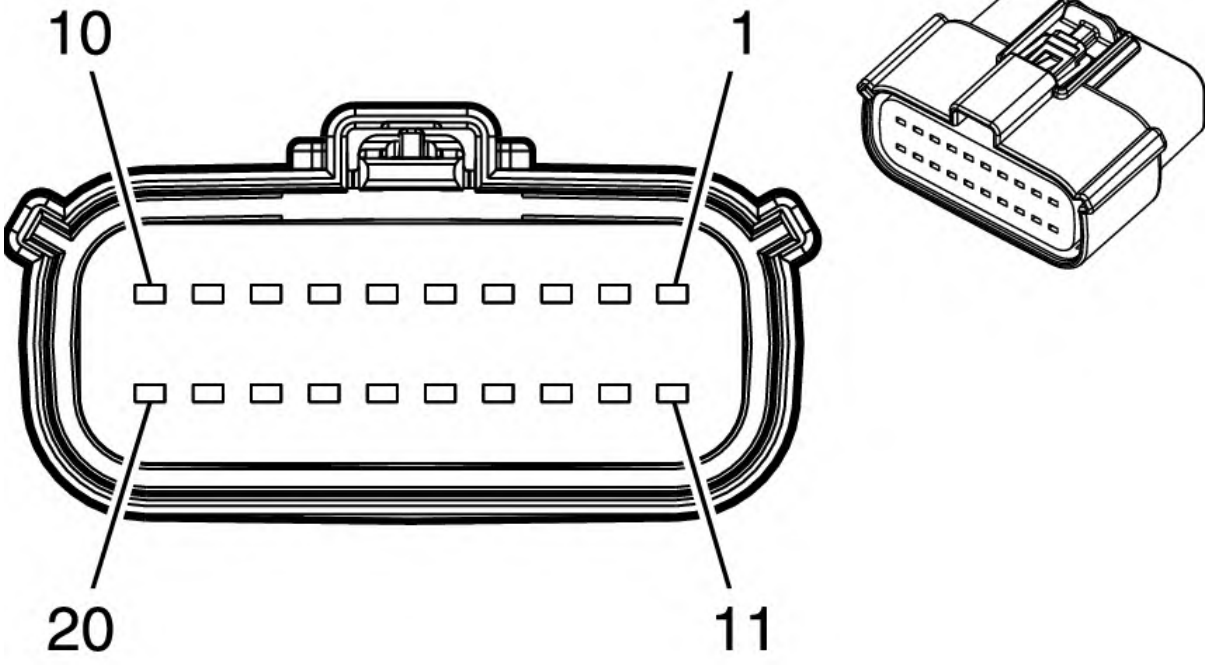


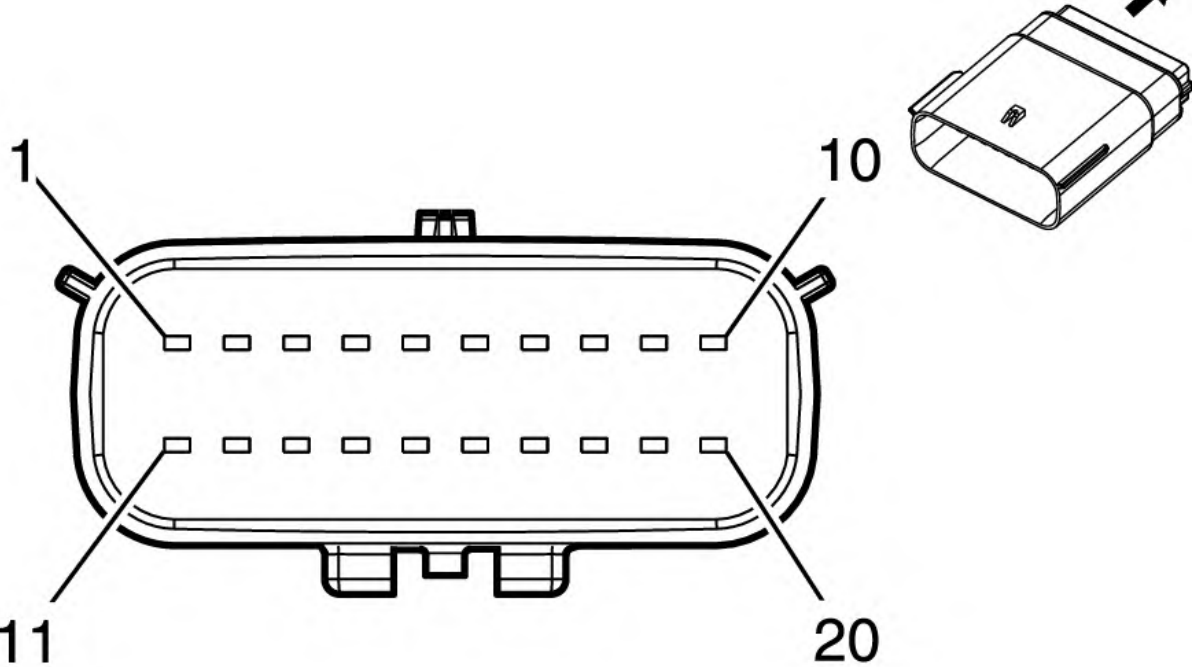
INLINE HARNESS CONNECTOR END VIEWS

X100 FRONT FASCIA HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Front Fascia
- OEM Connector: 13504367
- Service Connector: Service by Harness - See Part Catalog
- Description: 20-Way F 1.5 Series, Sealed (BK)



Connector Part Information

- Harness Type: Body
- OEM Connector: 13598210
- Service Connector: 19351705
- Description: 20-Way M 1.5 Series, Sealed (BK)

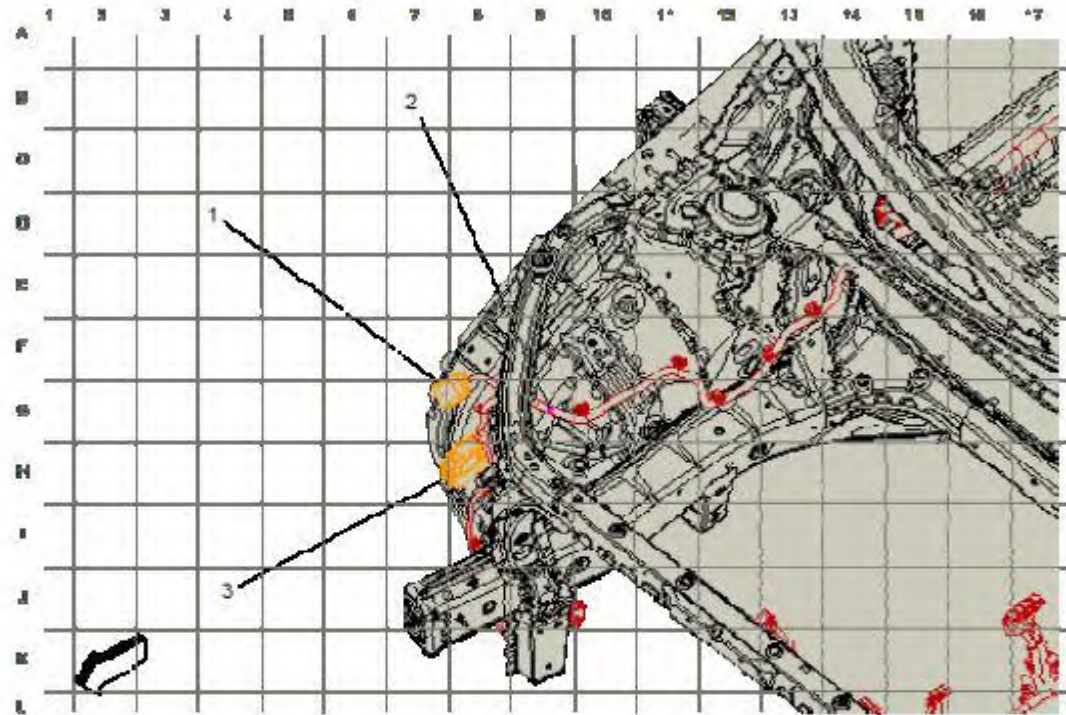
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	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
III	Not Required	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	YE/VT	5213	I	-	Front Parking Left/Right/Mid Sensor	1	0.35	YE/VT	5213	II	-
2	0.35	VT/WH	5215	I	UD5/UFQ	Front Parking Left Corner Sensor	2	0.35	VT/WH	5215	II	-
3	0.35	YE/GY	5216	I	UD5/UFQ	Front Parking Left Mid Sensor	3	0.35	YE/GY	5216	II	UD5/UFQ
4	0.35	VT/GY	5218	I	-	Front Parking Right Mid Sensor	4	0.35	VT/GY	5218	II	-
5	0.35	WH/GY	5217	I	UD5/UFQ	Front Parking Right Corner Sensor	5	0.35	WH/GY	5217	II	UD5/UFQ
6	0.35	BK/BU	5214	I	UD5/UFQ	Front Parking Sensor Low Reference	6	0.35	BK/BU	5214	II	UD5/UFQ
7	0.35	WH	6974	I	UVH	Camera Low Reference	7	0.35	WH	6974	II	UVH
8	0.35	GY/YE	6972	I	UVH	Camera Signal 2 +	8	0.35	GY/YE	6972	II	UVH
9	0.35	WH/BU	6973	I	UVH	Camera Signal 2	9	0.35	WH/BU	6973	II	UVH
10	0.35	GN/YE	6840	I	UVH	Auxiliary Device 2 Switched Voltage	10	0.35	GN/YE	6840	II	UVH
11	0.35	BK/WH	1351	I	UVH	Signal Ground	11	0.35	BK/WH	1351	II	UVH
12	0.5	BN/VT	2234	I	-	Front Fog Lamp Control	12	0.5	BN/VT	2234	II	-
13	-	-	-	-	-	Not Occupied	13	-	-	-	-	-
14	0.35	GY	3154	I	UFQ	Left Front Supplemental Object Sensor Signal	14	0.35	GY	3154	II	UFQ
15	0.35	GN	3155	I	UFQ	Right Front Supplemental Object Sensor Signal	15	0.35	GN	3155	II	UFQ
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	1 0.35 0.5	BK BK BK	2050 2050 2050	I I I	T3U -T3U X88-T3U	Ground Ground Ground	17	1 1	BK BK	2050 2050	III III	T3U X88-T3U
18	1 0.5	BK BK	1550 1550	I I	T3U -T3U	Ground Ground	18	1	BK	1550	III	-
19	0.5	BU/WH	1314	I	-	Left Front Turn Signal Lamp Control	19	0.5	BU/WH	1314	II	-
20	0.35	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	20	0.5	GN/VT	1315	II	-

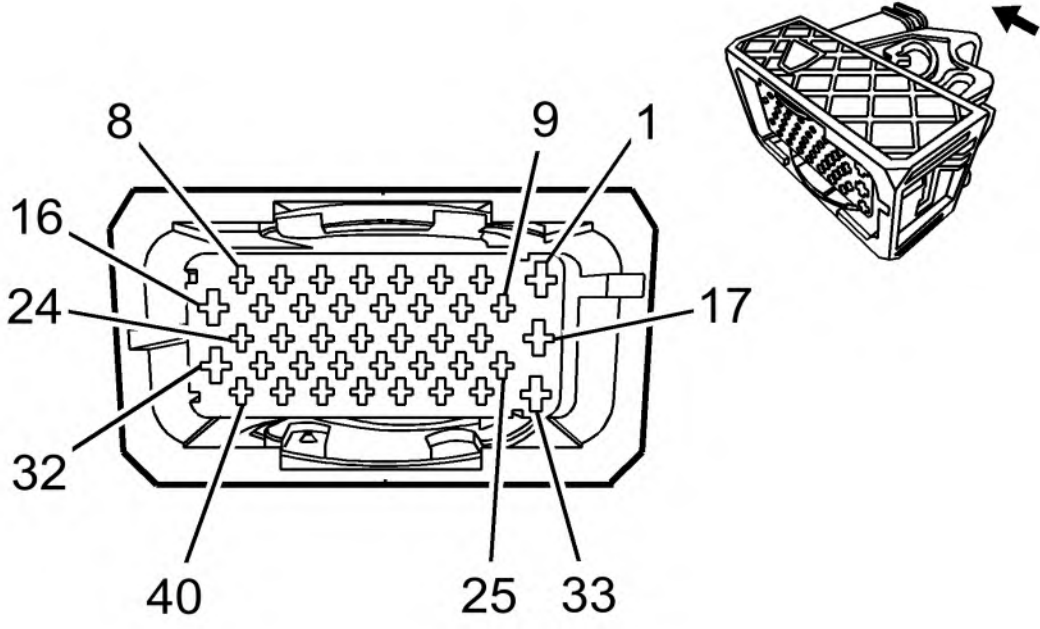
X101 BODY HARNESS TO FORWARD LAMP HARNESS

Engine Compartment Harness Routing - Right Side of the Engine Compartment



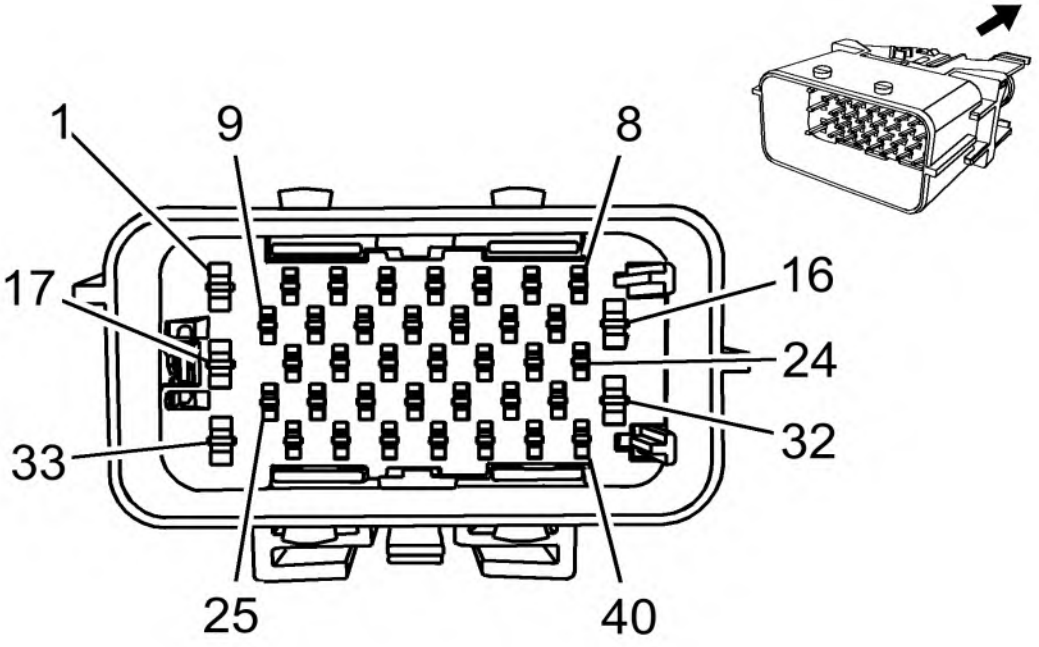
(1) X100 Front Fascia Harness to Body Harness
(2) J127 Body Harness (UVH)
(3) X101 Body Harness to Forward Lamp Harness

Fig. 1: X101 Body Harness To Forward Lamp Harness Component Location (3)
Courtesy of GENERAL MOTORS COMPANY



Connector Part Information

- Harness Type: Body
- OEM Connector: 13589781
- Service Connector: 13576550
- Description: 40-Way F 1.5, 2.8 Series, Sealed (GY)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13313280
- Service Connector: 13576553
- Description: 40-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	13576369	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	13580829	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13580830	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	19353105	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
V	19353105	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19368143	J-35616-14 (GN)	J-38125-560	60000641	AFL 21	2	5
VII	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13576397	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
IX	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
X	13581368	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XI	19355817	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XII	19368136	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1450	V	-	Ground	1	1.5	BK	1450	XI	-
2	0.35	OG/GN	1409	I	-	Right Front Discriminating Sensor Signal	2	0.5	OG/GN	1409	VII	-
3	0.35	BK/OG	5600	I	-	Right Front Discriminating Sensor Low Reference	3	0.5	BK/OG	5600	VII	-
4	0.35	YE	5530	I	KL9	Hood Open Switch Signal	4	0.35	YE	5530	IX	KL9
5	0.35	BN/GN	4064	I	-	Hood Status B Signal	5	0.35	BN/GN	4064	IX	-
6	0.35	RD/VT	1242	I	T4L+TR7	Battery Positive Voltage	6	0.35	RD/VT	1242	IX	T4L+TR7
7	0.35	BK	1050	I	T4L+TR7	Ground	7	1	BK	1050	XII	T4L+TR7
8	0.35	WH/YE	1204	I	-	Left Park Lamp Control	8	0.35	WH/YE	1204	IX	T4A+MAH/MBC/MCX/MBI-Z88
								0.35	WH/YE	1204	IX	T4F+MAH/MBC/MCX/MBI-Z88
								0.35	WH/YE	1204	IX	T4L+MAH/MBC/MCX-X88
								0.35	WH/YE	1204	IX	Z88+T4F
								0.35	WH/YE	1204	IX	Z88+T4L+MAH/MBC/MCX/MAM
								0.35	WH/YE	1204	VIII	T4A+MAH/MBC/MCX/MBI+Z88
								0.35	WH/YE	1204	VIII	T4F+MAH/MBC/MCX/MBI+Z88
								0.35	WH/YE	1204	VIII	T4L+MAH/MBC/MCX-Z88
9	-	-	-	-	-	Headlamp Leveling Motor Control	9	0.35	BN/YE	189	IX	-
10	0.35	VT/BU	5705	I	-	Powertrain Main Relay Fused Control 6	10	0.35	VT/BU	5705	IX	-
11	-	-	-	-	-	Not Occupied	11	-	-	-	-	-
12	0.5	VT/BK	739	I	UVD	Run/Crank Ignition 1 Voltage	12	0.5	VT/BK	739	VII	-
13	0.35	WH/RD	7524	I	T4L+TR7	Front Axle Level Sensor 5V Reference	13	0.35	WH/RD	7524	IX	T4L+TR7
14	-	-	-	-	-	Front Axle Level Sensor Signal	14	0.35	BN/WH	7525	IX	T4L+TR7
15	0.35	BK/GY	7526	I	T4L+TR7	Front Axle Level Sensor Low Reference	15	0.35	BK/GY	7526	IX	T4L+TR7
16	0.5	BN/VT	2234	III	-	Front Fog Lamp Control	16	0.5	BN/VT	2234	X	-
17	1.5	YE/BN	95	II	Z88	Windshield Wiper Motor Low Speed Control	17	1.5	YE/BN	95	XI	-
18	0.35	VT/GY	709	I	-	Left Park Lamp Control	18	0.35	VT/GY	709	IX	Z88+T4F
						Left Park Lamp Control		0.35	VT/GY	709	VIII	T4L+TR7-MAH-MCX-MBC
19	-	-	-	-	-	Right Park Lamp Control	19	0.35	GY/BN	309	IX	-
20	-	-	-	-	-	Right Park Lamp Control	20	0.35	VT	1203	IX	-
21	-	-	-	-	-	Not Occupied	21	-	-	-	-	-
22	0.35	BN/YE	189	I	TR6	Headlamp Leveling Motor Control	22	0.35	BN/YE	189	IX	TR6
23	0.5	BU/WH	1314	I	-	Left Front Turn Signal Lamp Control	23	0.35	BU/WH	1314	IX	Z88+T4F
								0.5	BU/WH	1314	VII	Z88+T4L+MAH/MBC/MCX/MAM
24	0.5	GN/VT	1315	I	-	Right Front Turn Signal Lamp Control	24	0.35	GN/VT	1315	IX	Z88+T4F
								0.5	GN/VT	1315	VII	Z88+T4L+MAH/MBC/MCX/MAM
25	1.5	YE	312	VI	-	Right Headlamp Low Beam Control	25	1.5	YE	312	XII	-
26	1.5	YE	712	VI	-	Left Headlamp Low Beam Control	26	1.5	YE	712	XII	-
27	0.35	VT	185	I	-	Low Washer Fluid Indicator Control	27	0.35	VT	185	VIII	-
28 - 31	-	-	-	-	-	Not Occupied	28 - 31	-	-	-	-	-
32	1.5	RD/GY	3540	II	Z88	Battery Positive Voltage	32	2	RD/GY	3540	XI	-
33	1.5	WH	92	IV	-	Windshield Wiper Motor High Speed Control	33	1.5	WH	92	XI	-
34	-	-	-	-	-	Not Occupied	34	-	-	-	-	-
35	0.35	GN/VT	4621	I	KL9+VTI	Local Interconnect Network Serial Data Bus 21	35	0.35	GN/VT	4621	VIII	VTI

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
36	0.35	GN/BN	7529	I	T4L+TR7	Local Interconnect Network Serial Data Bus 7	36	0.35 0.35	GN/BN GN/BN	7529 7529	VIII VIII	T4L+TR7-MAH-MCX-MBC T4L+TR7
37	-	-	-	-	-	Local Interconnect Network Serial Data Bus 8	37	0.35	GN/WH	7530	IX	T4L+TR7-MAH-MCX-MBC
38	0.35	OG/YE	354	I	AY0	Left Front Discriminating Sensor Signal	38	0.35	OG/YE	354	IX	AY0
39	0.35	BK/OG	5045	I	AY0	Left Front Discriminating Sensor Low Reference	39	0.35	BK/OG	5045	IX	AY0
40	-	-	-	-	-	Not Occupied	40	-	-	-	-	-

X102 FORWARD LAMP HARNESS TO FORWARD LAMP EXTENSION HARNESS

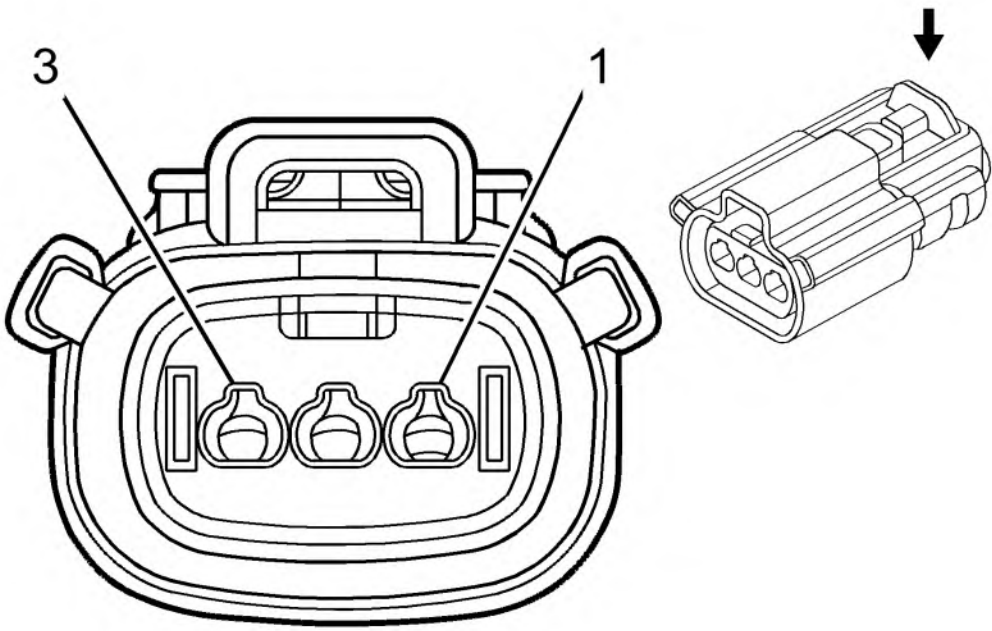


Diagram showing the Forward Lamp connector (left) and its corresponding harness connector (right). The Forward Lamp connector is a 3-pin connector with terminals labeled 1, 2, and 3. The harness connector is a 3-pin connector with terminals labeled 1, 2, and 3. A downward arrow indicates the connection direction.

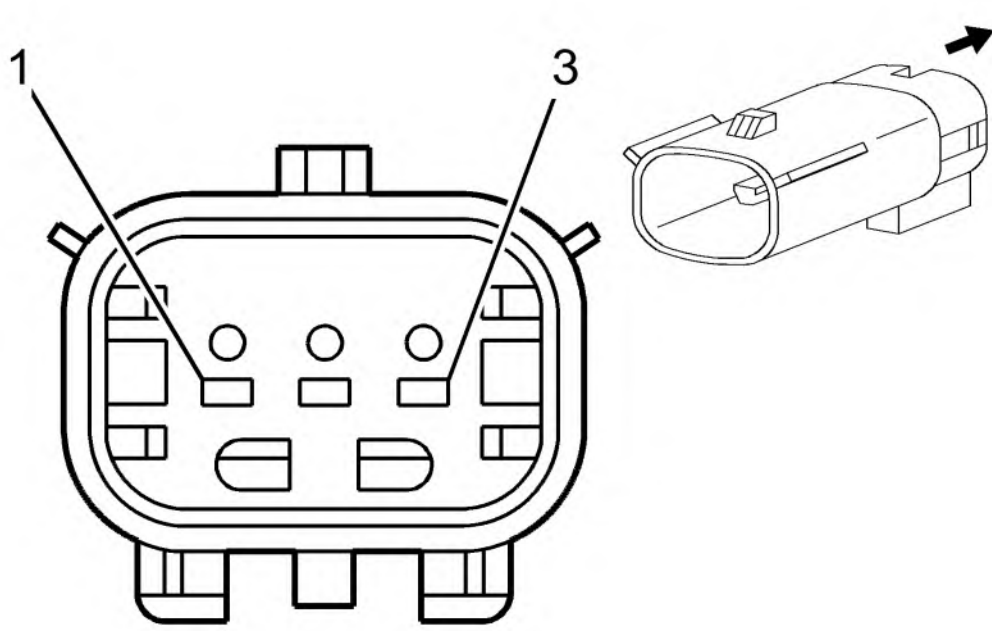


Diagram showing the Forward Lamp Extension connector (left) and its corresponding harness connector (right). The Forward Lamp Extension connector is a 3-pin connector with terminals labeled 1, 2, and 3. The harness connector is a 3-pin connector with terminals labeled 1, 2, and 3. An upward arrow indicates the connection direction.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503225
- Service Connector: 19301648
- Description: 3-Way F 150 MX Series, Sealed (BK)

Connector Part Information

- Harness Type: Forward Lamp Extension
- OEM Connector: 13503931
- Service Connector: Service by Harness - See Part Catalog
- Description: 3-Way M 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
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.35	VT/BU	5705	I	VTI	Powertrain Main Relay Fused Control 6	1	0.35	VT/BU	5705	II	VTI
2	0.35	GN/VT	4621	I	VTI	Local Interconnect Network Serial Data Bus 21	2	0.35	GN/VT	4621	II	VTI
3	0.35	BK	1150	I	VTI	Ground	3	0.35	BK	1150	II	VTI

X103 FORWARD LAMP HARNESS TO COOLING FAN HARNESS

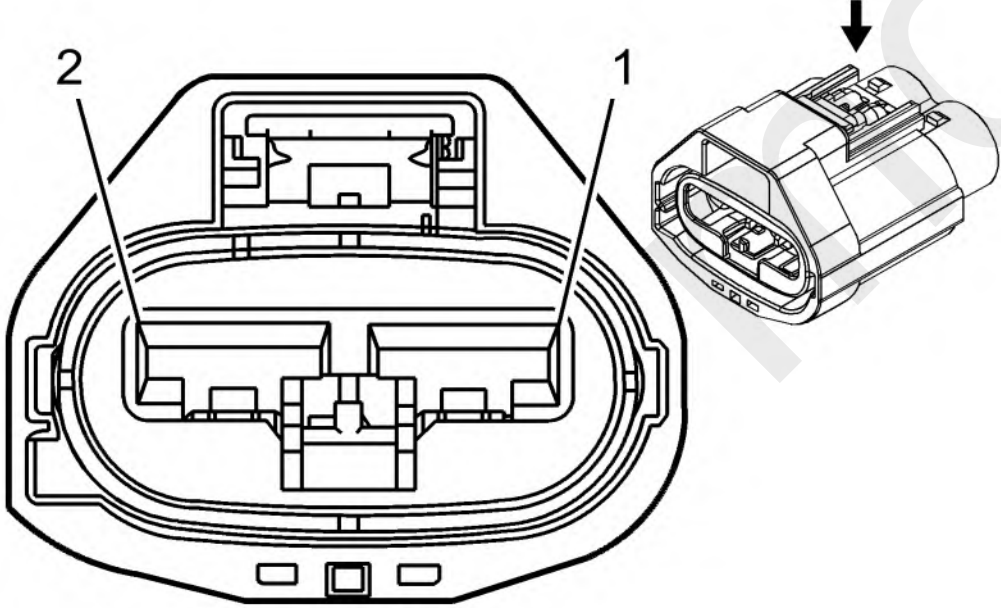


Diagram showing the Forward Lamp connector (left) and its corresponding harness connector (right). The Forward Lamp connector is a 2-pin connector with terminals labeled 1 and 2. The harness connector is a 2-pin connector with terminals labeled 1 and 2. A downward arrow indicates the connection direction.

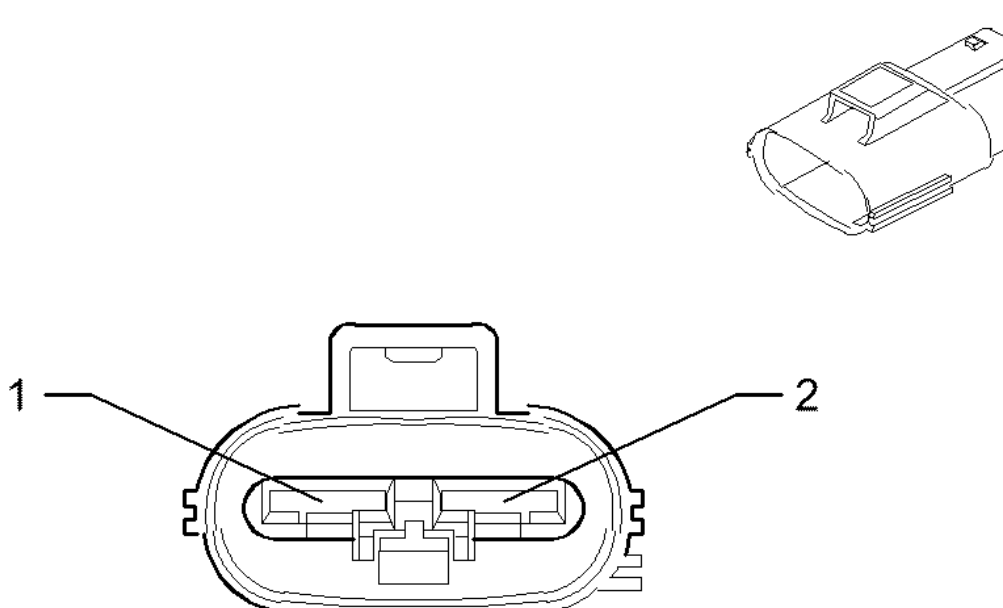


Diagram showing the Cooling Fan connector (left) and its corresponding harness connector (right). The Cooling Fan connector is a 2-pin connector with terminals labeled 1 and 2. The harness connector is a 2-pin connector with terminals labeled 1 and 2.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 7283-3214-30
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F 375 Series, Sealed (BK)

Connector Part Information

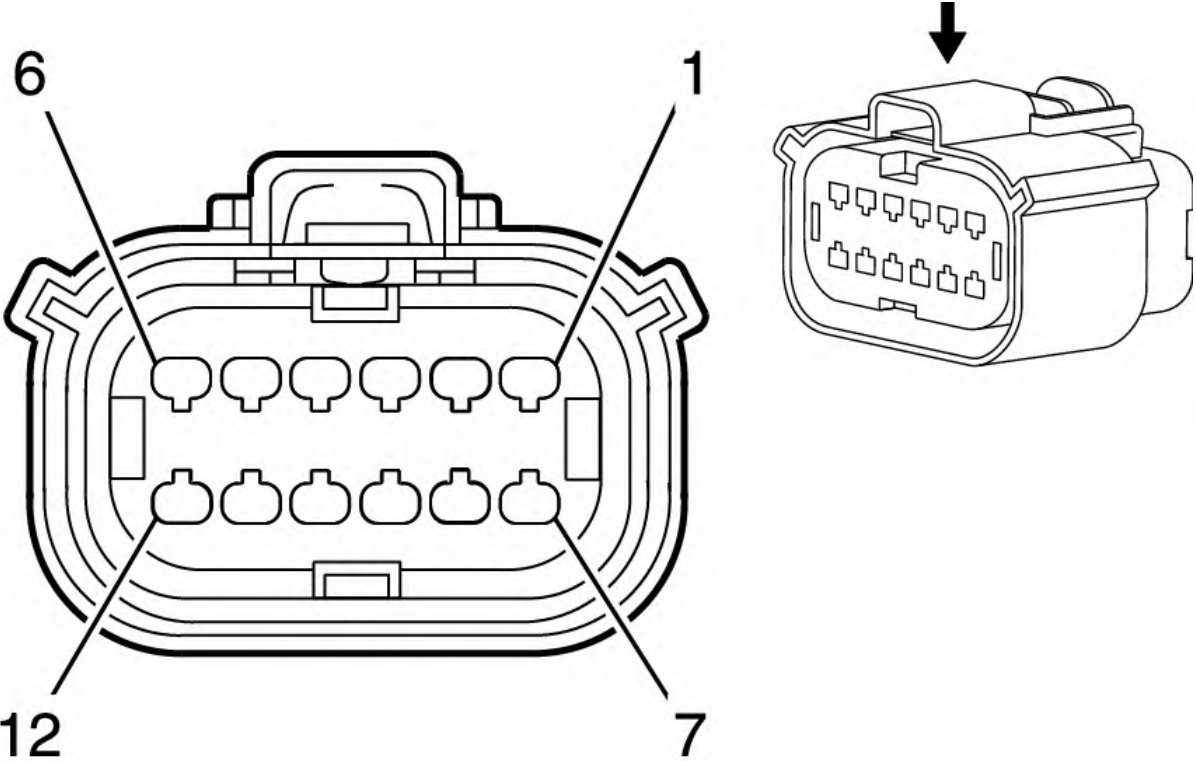
- Harness Type: Cooling Fan
- OEM Connector: 7286-1076-30
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way M 9.5 Series, Sealed (BK)

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	J-35616-22 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-21 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

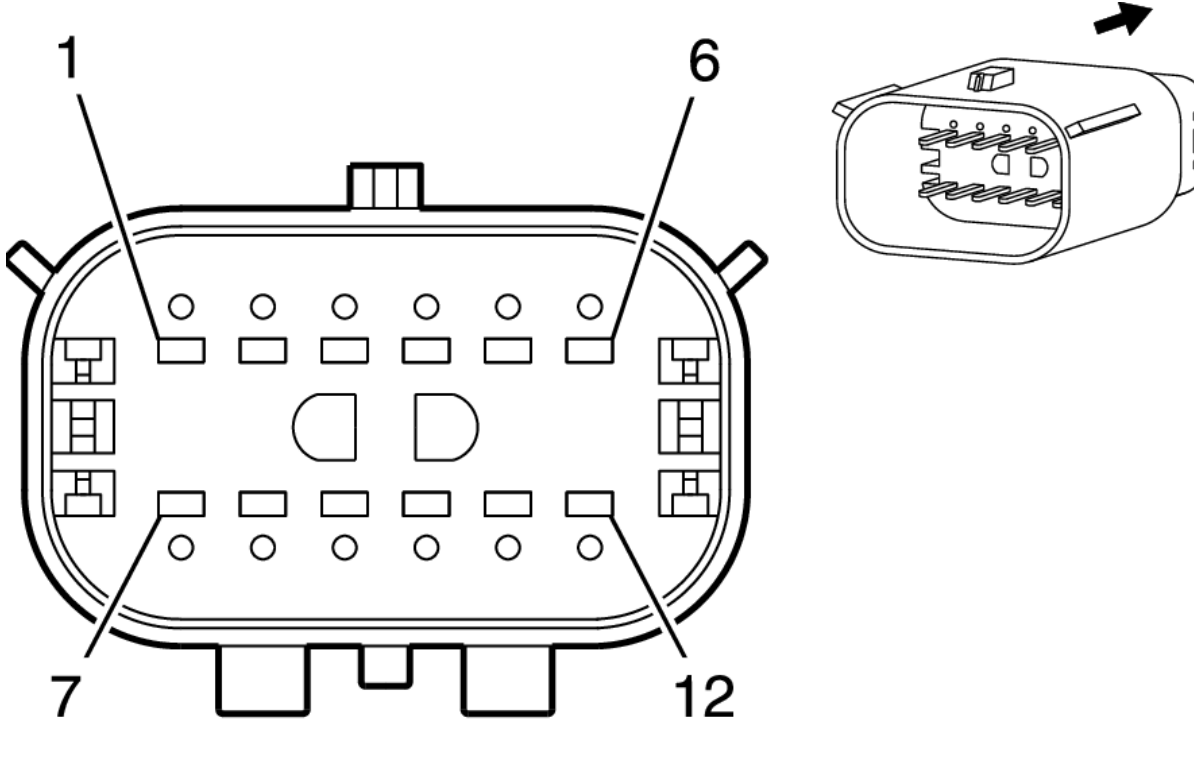
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	8	RD/BU	302	I	-	Battery Positive Voltage	1	8	RD/BU	302	II	-
2	-	-	-	-	-	Not Occupied	2	-	-	-	-	-

X104 COOLING FAN HARNESS TO FORWARD LAMP HARNESS



Connector Part Information

- Harness Type: Cooling Fan
- OEM Connector: 13503526
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way F 1.5 Series, Sealed (BK)



Connector Part Information

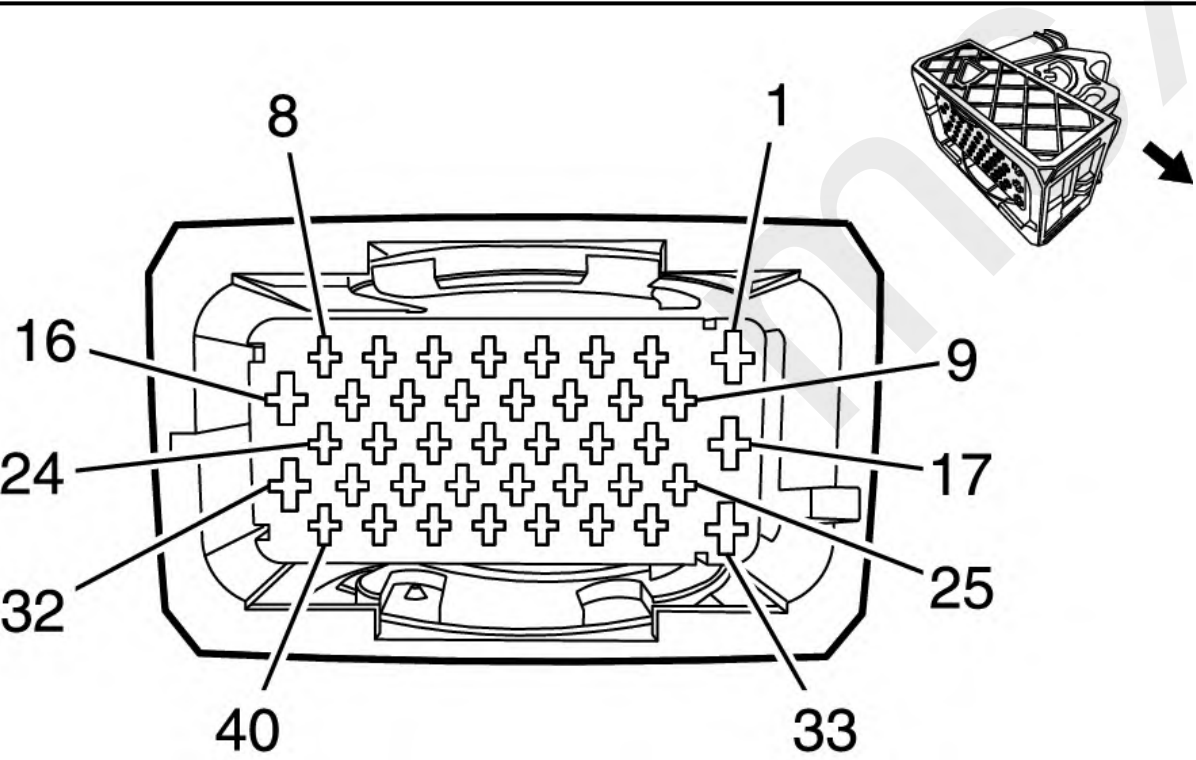
- Harness Type: Forward Lamp
- OEM Connector: 13503540
- Service Connector: 19369242
- Description: 12-Way M 150 MX Series, Sealed (BK)

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	19119395	J-35616-3 (GY)	J-38125-217	Not Available	Not Available	Not Available	Not Available

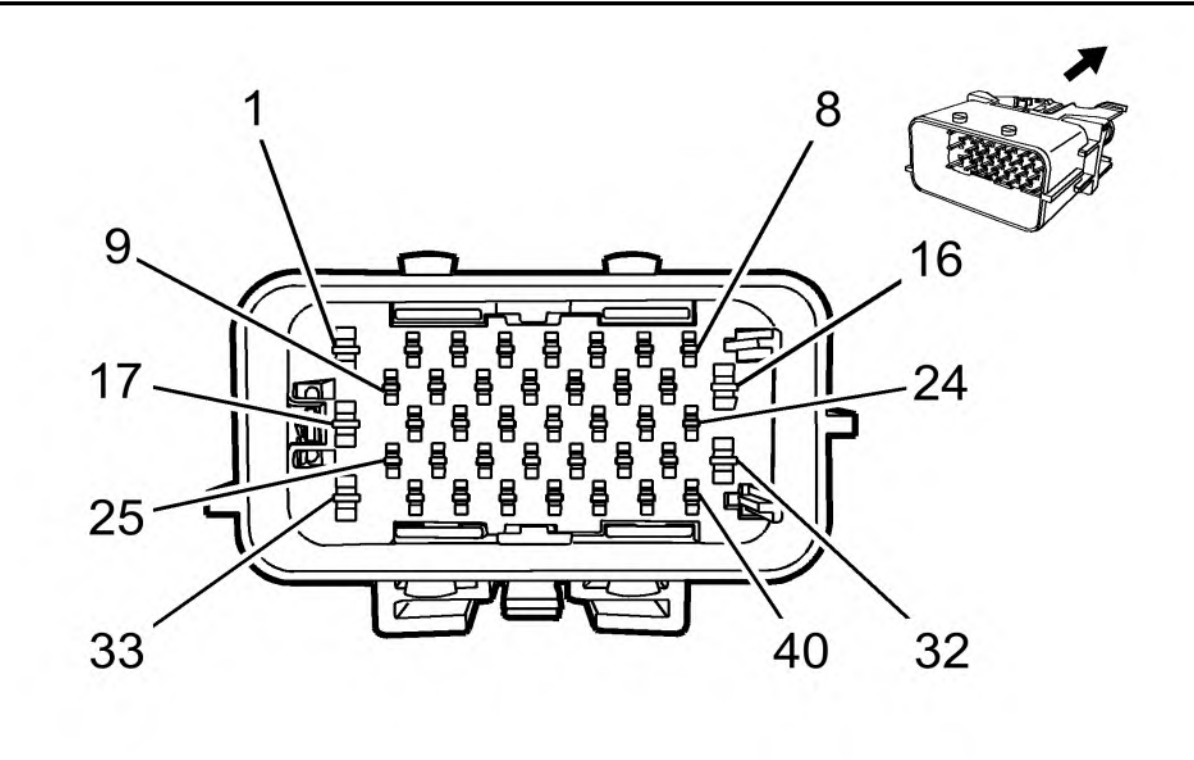
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	WH/BK	2366	I	-	Cooling Fan Control Relay Speed Signal	1	0.35	WH/BK	2366	II	-
2 - 5	-	-	-	-	-	Not Occupied	2 - 5	-	-	-	-	-
6	0.35 0.35	YE/BK WH/RD	3682 3201	I I	LH7 LYX	Charge Air Cooler Inlet Temperature Sensor Low Reference Throttle Inlet Absolute Pressure Sensor 5V Reference	6	0.35 0.35	YE/BK WH/RD	3682 3201	II II	LH7 LYX
7	0.35 0.35	GN WH/YE	3683 3202	I I	LH7 LYX	Charge Air Cooler Inlet Temperature Sensor Signal Throttle Inlet Absolute Pressure Sensor Low Reference	7	0.35 0.35	GN WH/YE	3683 3202	II II	LH7 LYX
8	0.35 0.35	YE/BU YE/WH	3680 3200	I I	LH7 LYX	Charge Air Cooler Outlet Temperature Sensor Low Reference Throttle Inlet Absolute Pressure Sensor Signal	8	0.35 0.35	YE/BU YE/WH	3680 3200	II II	LH7 LYX
9	0.35	BN	3681	I	LH7	Charge Air Cooler Outlet Temperature Sensor Signal	9	0.35	BN	3681	II	LH7
10	0.35	BK/GN	580	I	-	Engine Control Sensors Low Reference (2)	10	0.35	BK/GN	580	II	-
11	0.35	BN/RD	2700	I	-	A/C Pressure Sensor 5V Reference	11	0.35	BN/RD	2700	II	-
12	0.35	GN	380	I	-	A/C Refrigerant Pressure Sensor Signal	12	0.35	GN	380	II	-

X106 ENGINE HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Engine
- OEM Connector: 13589782
- Service Connector: 13576549
- Description: 40-Way F 1.5, 2.8 Series, Sealed (BK)



Connector Part Information

- Harness Type: Body
- OEM Connector: 13257307
- Service Connector: 13576552
- Description: 40-Way M 1.5, 2.8 Series, Sealed (BK)

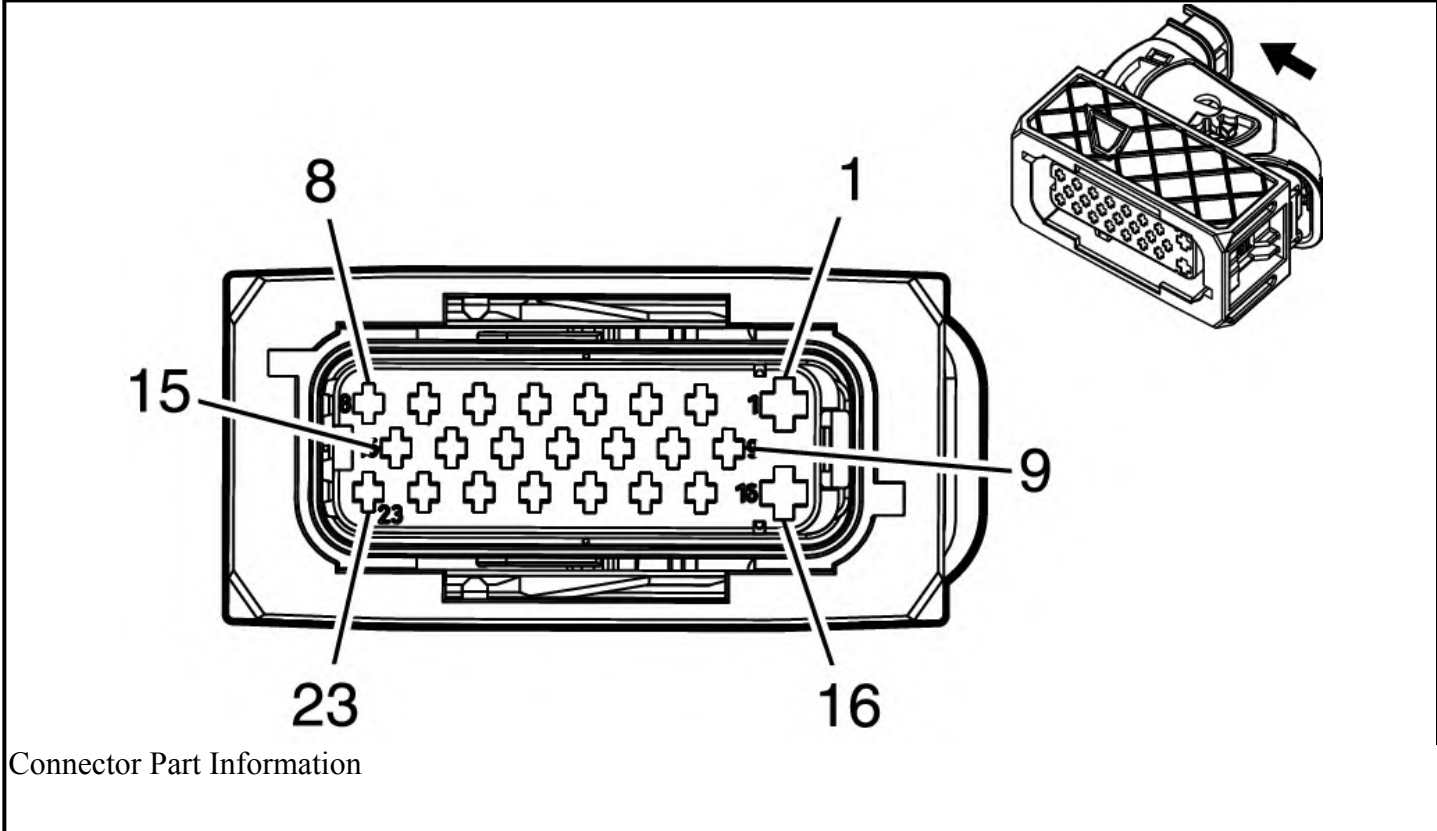
Terminal Part Information

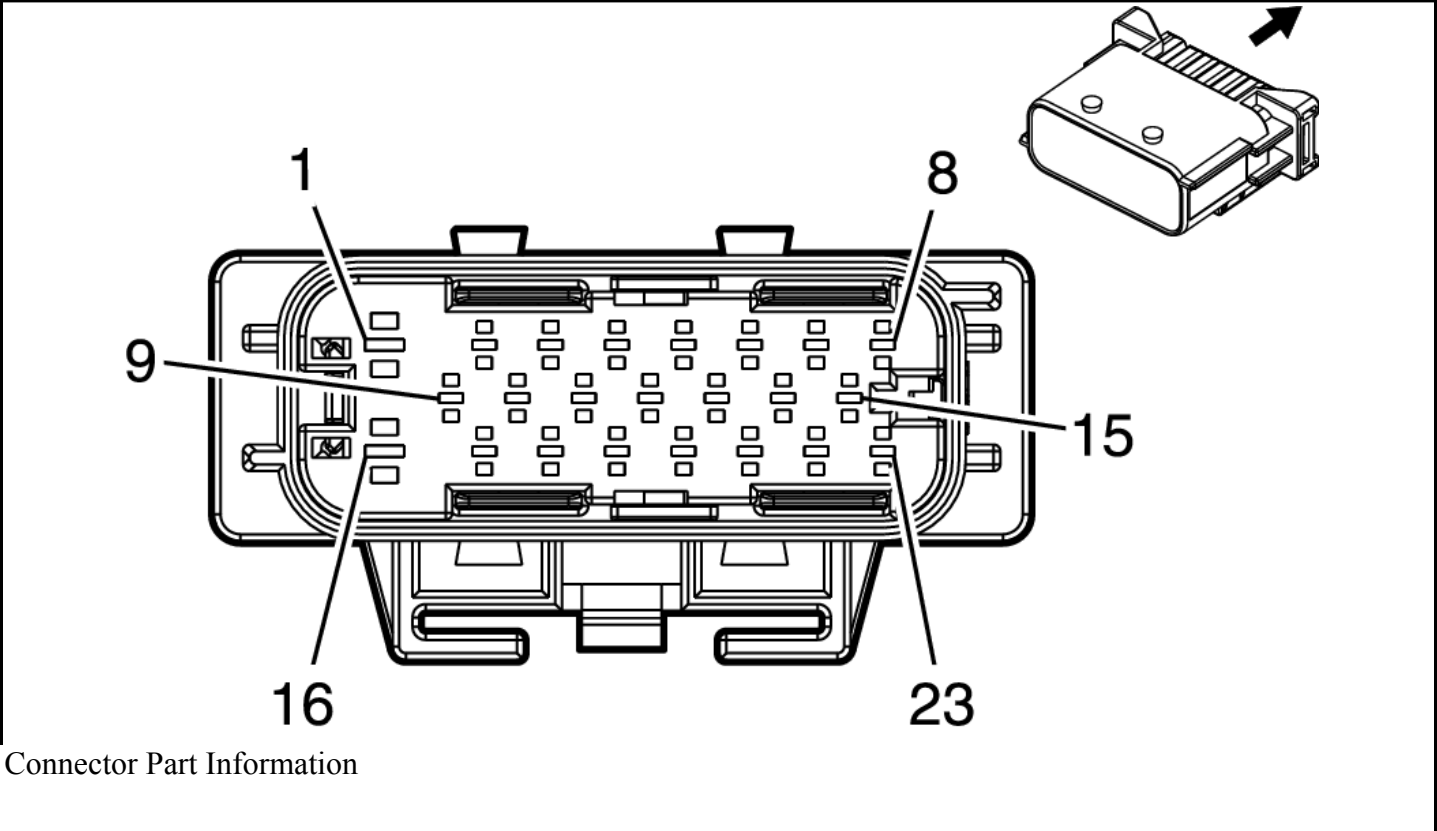
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575429	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
II	13576369	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
III	13580829	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13580830	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	19353105	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13576397	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
VII	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VIII	13581368	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	19355817	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	RD/GN	2173	V	-	12V Regulated Supply Voltage 2	1	1.5	RD/GN	2173	IX	-
2	0.35 0.35	GN/VT	4621	II	-	Local Interconnect Network Serial Data Bus 21	2	0.35 0.35	GN/VT GN/VT	4621 4621	VI VII	KL9+VTI KL9-VTI

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	0.35	BU	2500	II	-	High Speed GMLAN Serial Data (+) 1	3	0.35 0.35	BU BU	2500 2500	VII VI	Z88 X88
4	0.35	WH	2501	II	-	High Speed GMLAN Serial Data (-) 1	4	0.35 0.35	WH WH	2501 2501	VII VI	Z88 X88
5	0.5	BU/BK	7493	II	-	High Speed GMLAN Serial Data (+)3	5	0.35 0.35	BU/BK BU/BK	7493 7493	VII VI	LYX/LTG LVL/LH7/LWW
6	0.5	WH	7494	II	-	High Speed GMLAN Serial Data (-)3	6	0.35 0.35 0.35 0.35 0.35	WH WH WH WH WH	7494 7494 7494 7494 7494	VI VII VI VI VII	LVL/LH7/LWW+KL9-EPH LYX/LTG-KL9-EPH LYX/LTG+EPH LH7+EPH LYX/LTG+KL9-EPH
7	0.35	WH/RD	5381	II	-	Brake Position Sensor 5V Reference	7	0.35	WH/RD	5381	VI	-
8	0.35	BK/YE	5382	II	-	Brake Position Sensor Low Reference	8	0.35	BK/YE	5382	VI	-
9	0.35	WH/GN	5380	II	-	Brake Position Sensor Signal	9	0.35	WH/GN	5380	VI	-
10	0.35	BK/BU	1271	II	-	Accelerator Pedal Position Low Reference 1	10	0.35	BK/BU	1271	VI	-
11	0.35	BK/VT	1272	II	-	Accelerator Pedal Position Low Reference 2	11	0.35	BK/VT	1272	VI	-
12	0.35	YE/WH	1161	II	-	Accelerator Pedal Position Signal 1	12	0.35	YE/WH	1161	VI	-
13	0.35	GN/WH	1162	II	-	Accelerator Pedal Position Signal 2	13	0.35	GN/WH	1162	VI	-
14	0.35	WH/RD	1164	II	-	Accelerator Pedal Position 5V Reference 1	14	0.35	WH/RD	1164	VI	-
15	0.35	BN/RD	1274	II	-	Accelerator Pedal Position 5V Reference 2	15	0.35	BN/RD	1274	VI	-
16	2.5	BN/GN	3945	III	F48	All Wheel Drive Power Transfer Motor Control B	16	2.5	BN/GN	3945	IX	F48
17	2.5	VT/BN	3944	III	-	All Wheel Drive Power Transfer Motor Control A	17	2.5	VT/BN	3944	IX	-
18	0.35	BN/WH	419	II	-	Check Engine Indicator Control	18	0.35	BN/WH	419	VI	-
19	0.35	WH/BU	6311	II	-	Cruise/ETC/TCC Brake Signal	19	0.35	WH/BU	6311	VI	-
20	0.35	YE	5530	II	-	Hood Open Switch Signal	20	0.35	YE	5530	VI	-
21	0.35	BU/WH	1937	II	-	Secondary Fuel Level Sensor Signal	21	0.35	BU/WH	1937	VI	-
22	0.5	BK/GN	580	II	-	Engine Control Sensors Low Reference (2)	22	0.35	BK/GN	580	VI	-
23	0.35	BU/VT	1589	II	-	Primary Fuel Level Sensor Signal	23	0.35	BU/VT	1589	VI	-
24	0.35	BN/RD	7445	II	-	Fuel Line Pressure Sensor 5V Reference	24	0.35	BN/RD	7445	VI	-
25	0.35	BU/WH	7446	II	-	Fuel Line Pressure Sensor Signal	25	0.35	BU/WH	7446	VI	-
26	0.5	BK/GN	580	II	-	Engine Control Sensors Low Reference (2)	26	0.35	BK/GN	580	VI	-
27	0.75	BU/BN	7573	I	-	Electric Variable Displacement Supply	27	0.35 0.35	BU/BN BU/BN	7573 7573	VII VI	Z88 X88
28	0.75	BU/YE	7574	I	-	Electric Variable Displacement Control	28	0.35	BU/YE	7574	VI	-
29	0.35	WH/VT	4108	II	-	Driver Mode Switch Signal	29	0.35	WH/VT	4108	VI	-
30	0.35	GY	4109	II	-	Driver Mode Switch 5V Reference	30	0.35	GY	4109	VI	-
31	0.35	YE/RD	2709	II	-	Fuel Tank Pressure Sensor 5V Reference	31	0.35	YE/RD	2709	VII	-
32	0.35	WH	1310	IV	-	EVAP Canister Vent Solenoid Control	32	0.35	WH	1310	VIII	NTB/NUB
33	0.35 0.35	GN/GY GY	465 5660	IV IV	LVL/LH7/LWW LYX/LTG	Fuel Pump Primary Relay Control Fuel Pump Controller Data Out Signal	33	0.35 0.35	GN/GY GY	465 5660	VIII VIII	LVL/LH7/LWW LYX/LTG
34	0.35 0.35	GN/BN BU/WH	507 890	II II	LH7 LTG+NTB/NUB	Wait To Start Indicator Control Fuel Tank Pressure Sensor Signal	34	0.35 0.35	GN/BN BU/WH	507 890	VII VI	LH7 LTG+NTB/NUB
35	-	-	-	-	-	Not Occupied	35	-	-	-	-	-
36	0.5 0.35	VT/BU VT/BU	6091 6091	II II	NKC+LTG NKC+LVL/LH7/LWW	Crankshaft Position Sensor Replicated Signal Crankshaft Position Sensor Replicated Signal	36	0.35 0.35	VT/BU VT/BU	6091 6091	VI VII	LTG LVL/LH7/LWW
37	0.5	VT/YE	5985	II	MM1	Accessory Wakeup Serial Data	37	0.35 0.35	VT/YE VT/YE	5985 5985	VII VI	LVL/LH7/LWW LYX/LTG
38	0.35 0.5	BU/BN BU/BN	4498 4498	II II	LTG/LYX+EPH LVL/LH7+NDE	High Speed GMLAN Serial Data (+) 7 High Speed GMLAN Serial Data (+) 7	38	0.35 0.35 0.35 0.35	BU/BN BU/BN BU/BN BU/BN	4498 4498 4498 4498	VII VII VI VI	LTG/LYX+EPH LH7+NDE-EPH LVL+NDE LH7+NDE+EPH
39	0.35 0.5	WH WH	4499 4499	II II	LTG/LYX+EPH LVL/LH7+NDE	High Speed GMLAN Serial Data (-) 7 High Speed GMLAN Serial Data (-) 7	39	0.35 0.35	WH WH	4499 4499	VII VI	LTG/LYX+EPH NDE
40	0.35	YE/VT	4325	II	-	Starter Pinion Solenoid Relay Control	40	0.35	YE/VT	4325	VI	-

X107 ENGINE HARNESS TO BODY HARNESS





10/28/2019

- Harness Type: Engine
- OEM Connector: 13583382
- Service Connector: 19300480
- Description: 23-Way F 1.5 DSQ, 2.8 ATS Series, Sealed (BK)

- Harness Type: Body
- 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	13576369	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	13575425	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13576397	J-35616-34 (YE)	J-38125-560	964265-2	Lear 28	E	2
IV	13578882	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	-	1	0.75	BK	9002	II	-
2	0.35	GN/BU	3889	I	LH7+NDE	DEF Power Module Relay Control	2	0.35 0.35	GN/BU GN/BU	3889 3889	III IV	NDE Z88
3	-	-	-	-	-	Not Occupied	3	-	-	-	-	-
4	-	-	-	-	-	-	4	0.35	BK	9001	III	-
5	0.5	BU/YE	6105	I	-	High Speed GMLAN Serial Data (+) 2	5	0.35	BU/YE	6105	IV	Z88
6	0.5	WH	6106	I	-	High Speed GMLAN Serial Data (-) 2	6	0.35	WH	6106	IV	Z88
7	-	-	-	-	-	Serial Data Communication Enable	7	0.35	WH/BU	5986	IV	Z88
8	-	-	-	-	-	-	8	0.35	BK	9000	III	-
9	-	-	-	-	-	High Speed GMLAN Serial Data (+) 2	9	0.35	BU/YE	6105	IV	Z88
10	0.35	WH	6106	I	-	High Speed GMLAN Serial Data (-) 2 High Speed GMLAN Serial Data (-) 2	10	0.35 0.35	WH WH	6106 6106	IV III	Z88 LHD
11	-	-	-	-	-	Not Occupied	11	-	-	-	-	-
12	0.5	VT/BU	5293	I	MHG+EPH	Powertrain Main Relay Fused Supply 4	12	0.35	VT/BU	5293	IV	MHG+EPH
13	0.5	GN/BN	3848	I	F48	All Wheel Drive Power Transfer Unit Position Sensor Signal All Wheel Drive Power Transfer Unit Position Sensor Signal	13	0.35 0.35	GN/BN GN/BN	3848 3848	III III	F48+X88 F48
14	0.5	WH/RD	3847	I	F48	All Wheel Drive Power Transfer Unit Position Sensor Voltage Reference All Wheel Drive Power Transfer Unit Position Sensor Voltage Reference	14	0.35 0.35	WH/RD WH/RD	3847 3847	IV III	F48+Z88 F48
15	0.5	BK/VT	3846	I	F48	All Wheel Drive Power Transfer Unit Position Sensor Low Reference All Wheel Drive Power Transfer Unit Position Sensor Low Reference	15	0.35 0.35	BK/VT BK/VT	3846 3846	IV III	F48+Z88 F48
16	-	-	-	-	-	-	16	0.75	BK	9002	II	-
17 - 18	-	-	-	-	-	Not Occupied	17 - 18	-	-	-	-	-
19	-	-	-	-	-	-	19	0.35	BK	9001	III	-
20 - 22	-	-	-	-	-	Not Occupied	20 - 22	-	-	-	-	-
23	-	-	-	-	-	-	23	0.35	BK	9000	III	-

X108 ENGINE HARNESS TO CRANKSHAFT POSITION SENSOR JUMPER HARNESS (LH7)

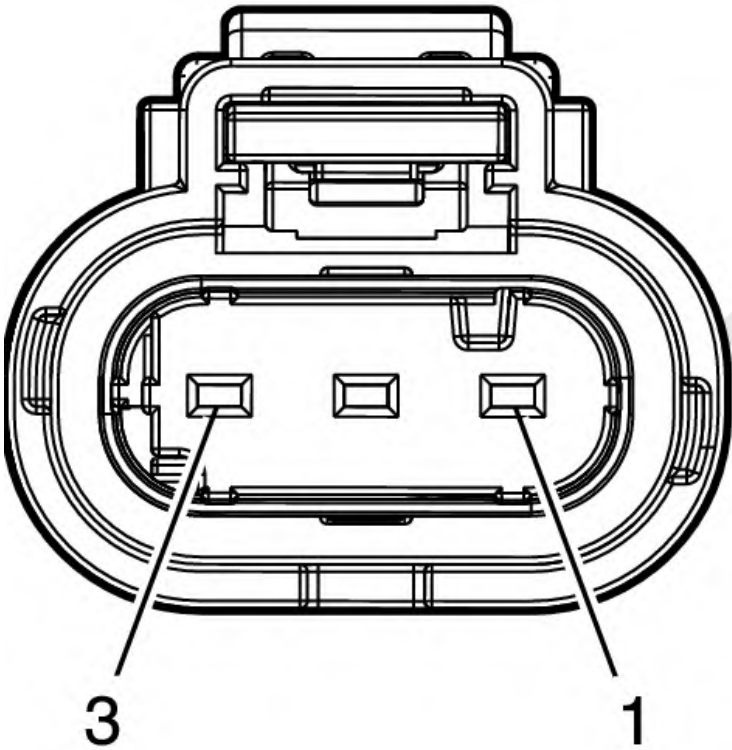


Diagram of the 3-Way F 1.2 Series connector. Terminal 1 is on the left, terminal 2 is in the middle, and terminal 3 is on the right. A 3-Way M 1.2 Series connector is shown being inserted into terminal 3.

Connector Part Information

- Harness Type: Engine
- OEM Connector: 13576813
- Service Connector: 19301824
- Description: 3-Way F 1.2 Series, Sealed (BK)

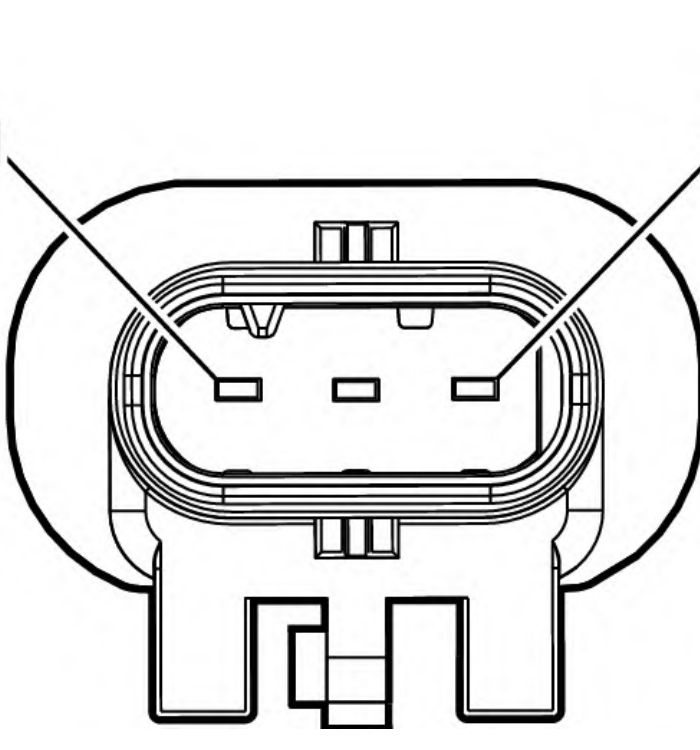


Diagram of the 3-Way M 1.2 Series connector. Terminal 1 is on the left, terminal 2 is in the middle, and terminal 3 is on the right. A 3-Way F 1.2 Series connector is shown being inserted into terminal 3.

Connector Part Information

- Harness Type: Crankshaft Position Sensor Jumper
- OEM Connector: 13576789
- Service Connector: Service by Harness - See Part Catalog
- Description: 3-Way M 1.2 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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	VT/BU	6270	I	LH7	Crankshaft 60X Sensor 5V Reference	1	0.5	VT/BU	6270	II	LH7
2	0.5	BK/VT	6272	I	-	Crankshaft 60X Sensor Low Reference	2	0.5	BK/VT	6272	II	LH7
3	0.5	GN	6271	I	LH7	Crankshaft 60X Sensor Signal	3	0.5	GN	6271	II	LH7

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4A+TR6)

--	--

Diagram showing the Forward Lamp Connector (12-Way F 1.5 Series, Sealed (BK)). The connector is a rectangular unit with 12 pins. The top row of pins is labeled 6, and the bottom row is labeled 12. The connector is shown from both front and side views. A small inset shows the connector being inserted into a harness.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503526
- Service Connector: 13503528
- Description: 12-Way F 1.5 Series, Sealed (BK)

Diagram showing the Left Headlamp Connector (12-Way M). The connector is a rectangular unit with 12 pins. The top row of pins is labeled 1, and the bottom row is labeled 12. The connector is shown from both front and side views. A small inset shows the connector being inserted into a harness.

Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

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	0.35	WH	711	II	-	Left Headlamp High Beam Control	3	0.35	WH	711	III	-
4	0.35	VT/GY	709	II	-	Left Park Lamp Control	4	0.35	VT/GY	709	III	-
5	0.35	BK	1150	II	-	Ground	5	0.35	BK	1150	III	-
6	0.35	VT/GN	439	II	T4A+TR6-MAH-MBI-MBC-MCX	Run/Crank Ignition 1 Voltage	6	0.35	VT/GN	439	III	T4A+TR6-MAH-MBI-MBC-MCX
	0.35	WH/YE	1204	II	T4A-TR6	Left Park Lamp Control		0.35	WH/YE	1204	III	T4A-TR6
7	-	-	-	-	-	Not Occupied	7	-	-	-	-	-
8	0.35	BK	1150	II	T4A+TR6-MAH-MBI-MBC-MCX	Ground	8	0.35	BK	1150	III	T4A+TR6-MAH-MBI-MBC-MCX
9 - 12	-	-	-	-	-	Not Occupied	9 - 12	-	-	-	-	-

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4F+TR6)

Diagram showing the Forward Lamp Connector (16-Way F 1.5 Series, Sealed (BK)). The connector is a rectangular unit with 16 pins. The top row of pins is labeled 8, and the bottom row is labeled 16. The connector is shown from both front and side views. A small inset shows the connector being inserted into a harness.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503529
- Service Connector: 13584788
- Description: 16-Way F 1.5 Series, Sealed (BK)

Diagram showing the Left Headlamp Connector (16-Way M). The connector is a rectangular unit with 16 pins. The top row of pins is labeled 1, and the bottom row is labeled 16. The connector is shown from both front and side views. A small inset shows the connector being inserted into a harness.

Connector Part Information

- Harness Type: Left Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 16-Way M

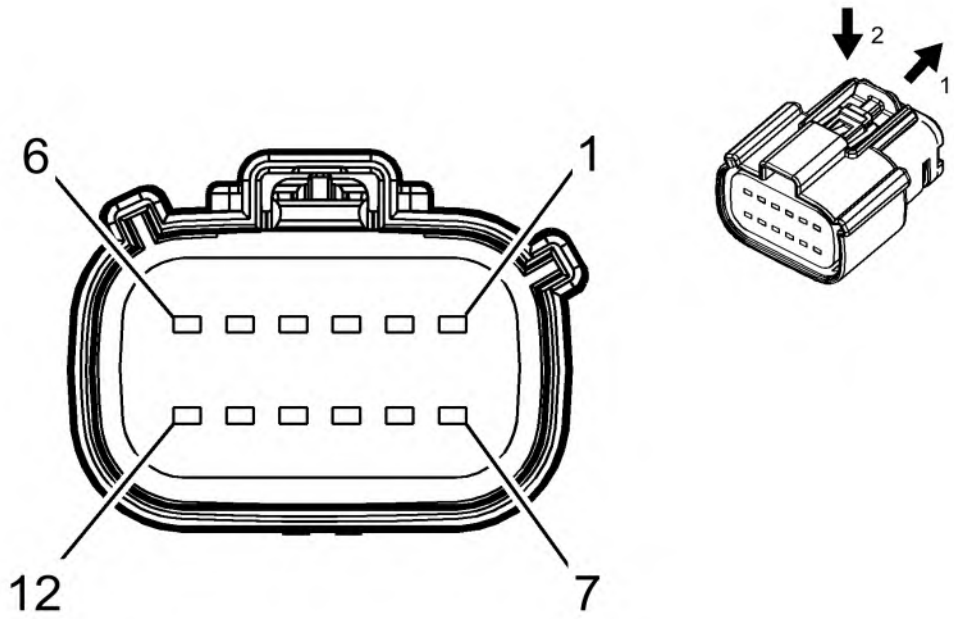
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

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	0.35	WH	711	II	-	Left Headlamp High Beam Control	3	0.35	WH	711	III	-
4	0.35	VT/GY	709	II	-	Left Park Lamp Control	4	0.35	VT/GY	709	III	-
5	0.35	BK	1150	II	-	Ground	5	0.35	BK	1150	III	-
6	0.35	VT/GN	439	II	-	Run/Crank Ignition 1 Voltage	6	0.35	VT/GN	439	III	-
7	0.35	BN/YE	189	II	-	Headlamp Leveling Motor Control	7	0.35	BN/YE	189	III	-
8	0.35	BK	1150	II	-	Ground	8	0.35	BK	1150	III	-
9 - 16	-	-	-	-	-	Not Occupied	9 - 16	-	-	-	-	-

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4F+X88)





Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-1289
- Service Connector: 19355457
- Description: 12-Way F 150 MX Series, Sealed (D-GY)

Connector Part Information

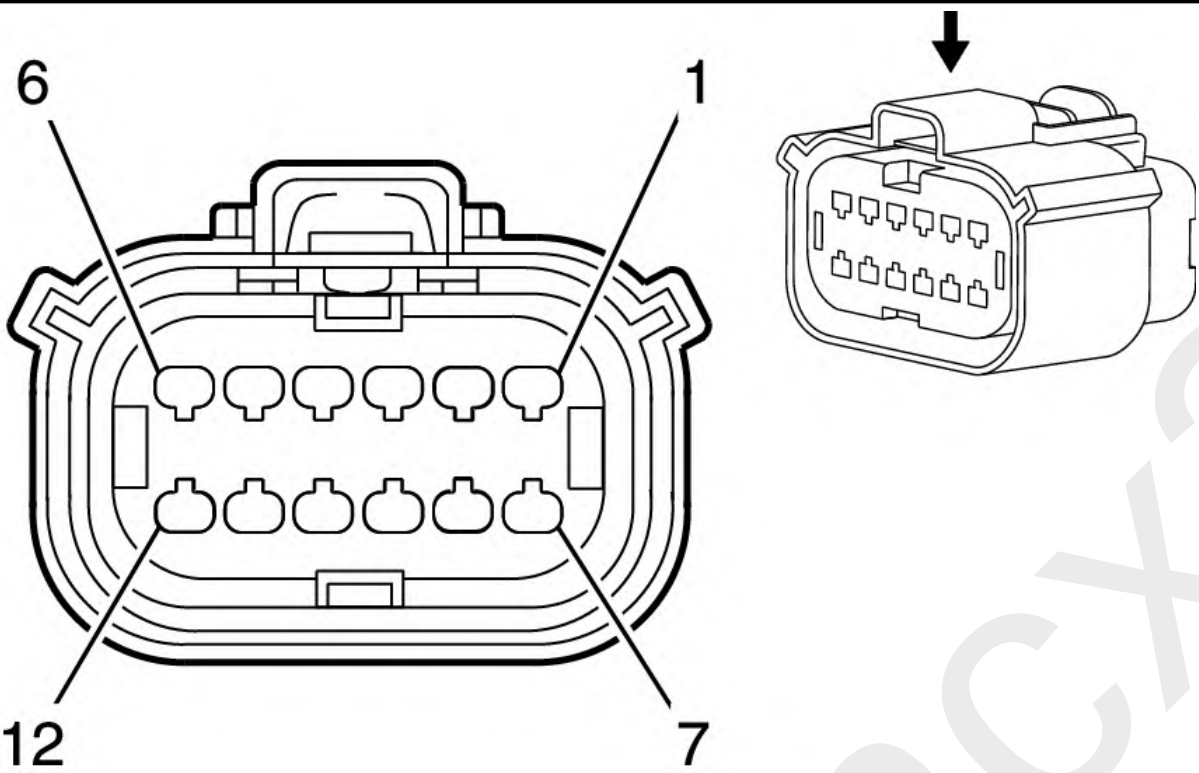
- Harness Type: Left Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

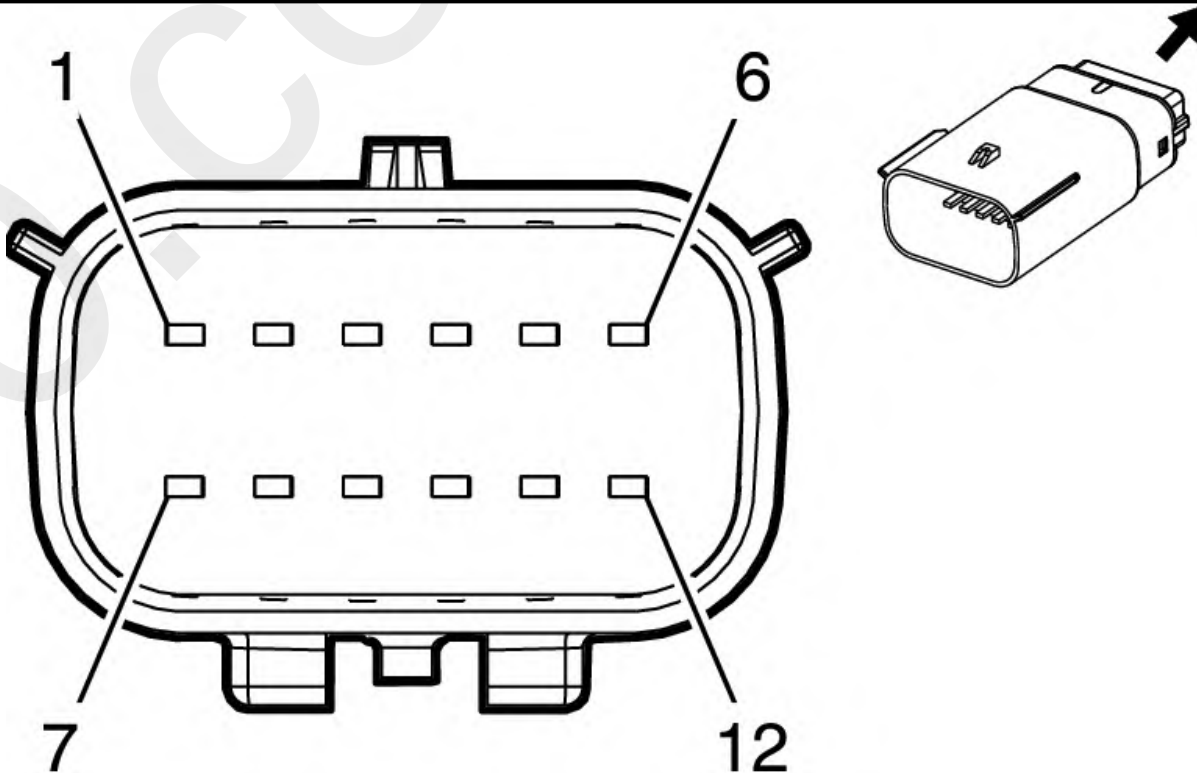
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	-	Ground	1	1.5	BK	1150	III	-
2	1.5	YE	712	I	-	Left Headlamp Low Beam Control	2	1.5	YE	712	III	-
3	0.35	WH	711	II	-	Left Headlamp High Beam Control	3	0.35	WH	711	III	-
4	0.35	VT/GY	709	II	-	Left Park Lamp Control	4	0.35	VT/GY	709	III	-
5	0.35	BK	1150	II	-	Ground	5	0.35	BK	1150	III	-
6	0.35	WH/YE	1204	II	-	Left Park Lamp Control	6	0.35	WH/YE	1204	III	-
7 - 12	-	-	-	-	-	Not Occupied	7 - 12	-	-	-	-	-

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4F+Z88)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503526
- Service Connector: 13503528
- Description: 12-Way F 1.5 Series, Sealed (BK)



Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	Z88+T4F	Ground	1	1.5	BK	1150	III	Z88+T4F
2	1.5	YE	712	I	Z88+T4F	Left Headlamp Low Beam Control	2	1.5	YE	712	III	Z88+T4F
3	0.35	WH	711	II	Z88+T4F	Left Headlamp High Beam Control	3	0.35	WH	711	III	Z88+T4F
4	0.35	BK	1150	II	Z88+T4F	Ground	4	0.35	BK	1150	III	Z88+T4F
5	0.35	YE	2227	II	Z88+T4F	Left Headlamp Control	5	0.35	YE	2227	III	Z88+T4F
6	0.35	BU/WH	1314	II	Z88+T4F	Left Front Turn Signal Lamp Control	6	0.35	BU/WH	1314	III	Z88+T4F
7	0.35	VT/GY	709	II	-	Left Park Lamp Control	7	0.35	VT/GY	709	III	Z88+T4F
8 - 11	-	-	-	-	-	Not Occupied	8 - 11	-	-	-	-	-
12	0.35	WH/YE	1204	II	Z88+T4F	Left Park Lamp Control	12	0.35	WH/YE	1204	III	Z88+T4F

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4L+TR7)

Diagram showing the Forward Lamp Connector (12-Way F 150 MX Series, Sealed (D-GY)). The connector is a rectangular unit with 12 pins. A callout shows the connector being inserted into a vehicle harness.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13586052
- Service Connector: 19333239
- Description: 12-Way F 150 MX Series, Sealed (D-GY)

Diagram showing the Left Headlamp Connector (12-Way M). The connector is a circular unit with 12 pins. A callout shows the connector being inserted into a vehicle harness.

Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	T4L+TR7-MAH-MCX-MBC	Ground	1	1.5	BK	1150	III	T4L+TR7-MAH-MCX-MBC
2	1.5	YE	712	I	-	Left Headlamp Low Beam Control	2	1.5	YE	712	III	T4L+TR7-MAH-MCX-MBC
3	0.35	WH	711	II	-	Left Headlamp High Beam Control	3	0.35	WH	711	III	T4L+TR7-MAH-MCX-MBC
4	0.35	VT/GY	709	II	-	Left Park Lamp Control	4	0.35	VT/GY	709	III	T4L+TR7-MAH-MCX-MBC
5	0.35	BK	1150	II	T4L+TR7-MAH-MCX-MBC	Ground	5	0.35	BK	1150	III	T4L+TR7-MAH-MCX-MBC
6	0.35	BN/YE	189	II	-	Headlamp Leveling Motor Control	6	0.35	BN/YE	189	III	T4L+TR7-MAH-MCX-MBC
7	0.35	GN/BN	7529	II	-	Local Interconnect Network Serial Data Bus 7	7	0.35	GN/BN	7529	III	T4L+TR7-MAH-MCX-MBC
8	0.35	BK	1150	II	T4L+TR7-MAH-MCX-MBC	Ground	8	0.35	BK	1150	III	T4L+TR7-MAH-MCX-MBC
9 - 12	-	-	-	-	-	Not Occupied	9 - 12	-	-	-	-	-

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4L+X88)

Diagram showing the Forward Lamp Connector (12-Way F 1.5 Series, Sealed (L-GY)). The connector is a rectangular unit with 12 pins. A callout shows the connector being inserted into a vehicle harness.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503527
- Service Connector: 19300601
- Description: 12-Way F 1.5 Series, Sealed (L-GY)

Diagram showing the Left Headlamp Connector (12-Way M). The connector is a circular unit with 12 pins. A callout shows the connector being inserted into a vehicle harness.

Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1150	I	T4L+MAH/MBC/MCX-Z88	Ground	1	1.5	BK	1150	III	T4L+MAH/MBC/MCX-Z88
2	1.5	YE	712	I	T4L+MAH/MBC/MCX-Z88	Left Headlamp Low Beam Control	2	1.5	YE	712	III	T4L+MAH/MBC/MCX-Z88
3	0.35	WH	711	II	T4L+MAH/MBC/MCX-Z88	Left Headlamp High Beam Control	3	0.35	WH	711	III	T4L+MAH/MBC/MCX-Z88
4	0.35	VT/GY	709	II	T4L+MAH/MBC/MCX-Z88	Left Park Lamp Control	4	0.35	VT/GY	709	III	T4L+MAH/MBC/MCX-Z88
5	0.35	BK	1150	II	T4L+MAH/MBC/MCX-Z88	Ground	5	0.35	BK	1150	III	T4L+MAH/MBC/MCX-Z88
6	0.35	WH/YE	1204	II	T4L+MAH/MBC/MCX-Z88	Left Park Lamp Control	6	0.35	WH/YE	1204	III	T4L+MAH/MBC/MCX-Z88
7 - 12	-	-	-	-	-	Not Occupied	7 - 12	-	-	-	-	-

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (T4L+Z88)

--	--

Diagram showing the top and side views of a 12-way forward lamp connector. The top view shows 12 terminals arranged in two rows of six. The side view shows the connector's profile with a locking tab. Labels 1, 6, 7, and 12 point to specific terminals.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503526
- Service Connector: 13503528
- Description: 12-Way F 1.5 Series, Sealed (BK)

Diagram showing the top and side views of a 12-way right headlamp connector. The top view shows 12 terminals arranged in two rows of six. The side view shows the connector's profile with a locking tab. Labels 1, 6, 7, and 12 point to specific terminals.

Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1050	I	-	Ground	1	1.5	BK	1050	III	T4A+TR6-MAH-MBI-MBC-MCX
2	1.5	YE	312	I	-	Right Headlamp Low Beam Control	2	1.5	YE	312	III	T4A+TR6-MAH-MBI-MBC-MCX
3	0.35	WH	311	II	-	Right Headlamp High Beam Control	3	0.35	WH	311	III	T4A+TR6-MAH-MBI-MBC-MCX
4	0.35	GY/BN	309	II	-	Right Park Lamp Control	4	0.35	GY/BN	309	III	T4A+TR6-MAH-MBI-MBC-MCX
5	0.35	BK	1050	II	-	Ground	5	0.35	BK	1050	III	T4A+TR6-MAH-MBI-MBC-MCX
6	0.35	VT/GN	439	II	T4A+TR6-MAH-MBI-MBC-MCX	Run/Crank Ignition 1 Voltage	6	0.35	VT/GN	439	III	T4A+TR6-MAH-MBI-MBC-MCX
7	0.35	BN/YE	189	II	T4A+TR6-MAH-MBI-MBC-MCX	Headlamp Leveling Motor Control	7	0.35	BN/YE	189	III	T4A+TR6-MAH-MBI-MBC-MCX
8	0.35	BK	1050	II	T4A+TR6-MAH-MBI-MBC-MCX	Ground	8	0.35	BK	1050	III	T4A+TR6-MAH-MBI-MBC-MCX
9 - 12	-	-	-	-	-	Not Occupied	9 - 12	-	-	-	-	-

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (T4F+TR6)

Diagram showing the top and side views of a 16-way forward lamp connector. The top view shows 16 terminals arranged in two rows of eight. The side view shows the connector's profile with a locking tab. Labels 1, 8, 9, and 16 point to specific terminals.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503529
- Service Connector: 13584788
- Description: 16-Way F 1.5 Series, Sealed (BK)

Diagram showing the top and side views of a 16-way right headlamp connector. The top view shows 16 terminals arranged in two rows of eight. The side view shows the connector's profile with a locking tab. Labels 1, 8, 9, and 16 point to specific terminals.

Connector Part Information

- Harness Type: Right Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 16-Way M

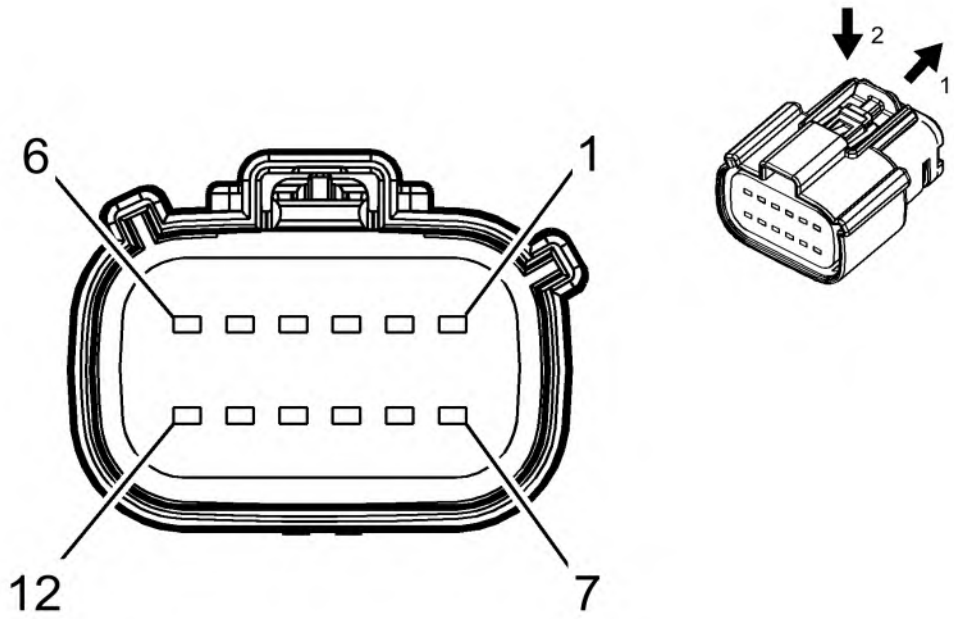
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1050	I	-	Ground	1	1.5	BK	1050	III	-
2	1.5	YE	312	I	-	Right Headlamp Low Beam Control	2	1.5	YE	312	III	-
3	0.35	WH	311	II	-	Right Headlamp High Beam Control	3	0.35	WH	311	III	-
4	0.35	GY/BN	309	II	-	Right Park Lamp Control	4	0.35	GY/BN	309	III	-
5	0.35	BK	1050	II	-	Ground	5	0.35	BK	1050	III	-
6	0.35	VT/GN	439	II	-	Run/Crank Ignition 1 Voltage	6	0.35	VT/GN	439	III	-
7	0.35	BN/YE	189	II	-	Headlamp Leveling Motor Control	7	0.35	BN/YE	189	III	-
8	0.35	BK	1050	II	-	Ground	8	0.35	BK	1050	III	-
9 - 16	-	-	-	-	-	Not Occupied	9 - 16	-	-	-	-	-

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (T4F+X88)

--



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-1289
- Service Connector: 19355457
- Description: 12-Way F 150 MX Series, Sealed (D-GY)

Connector Part Information

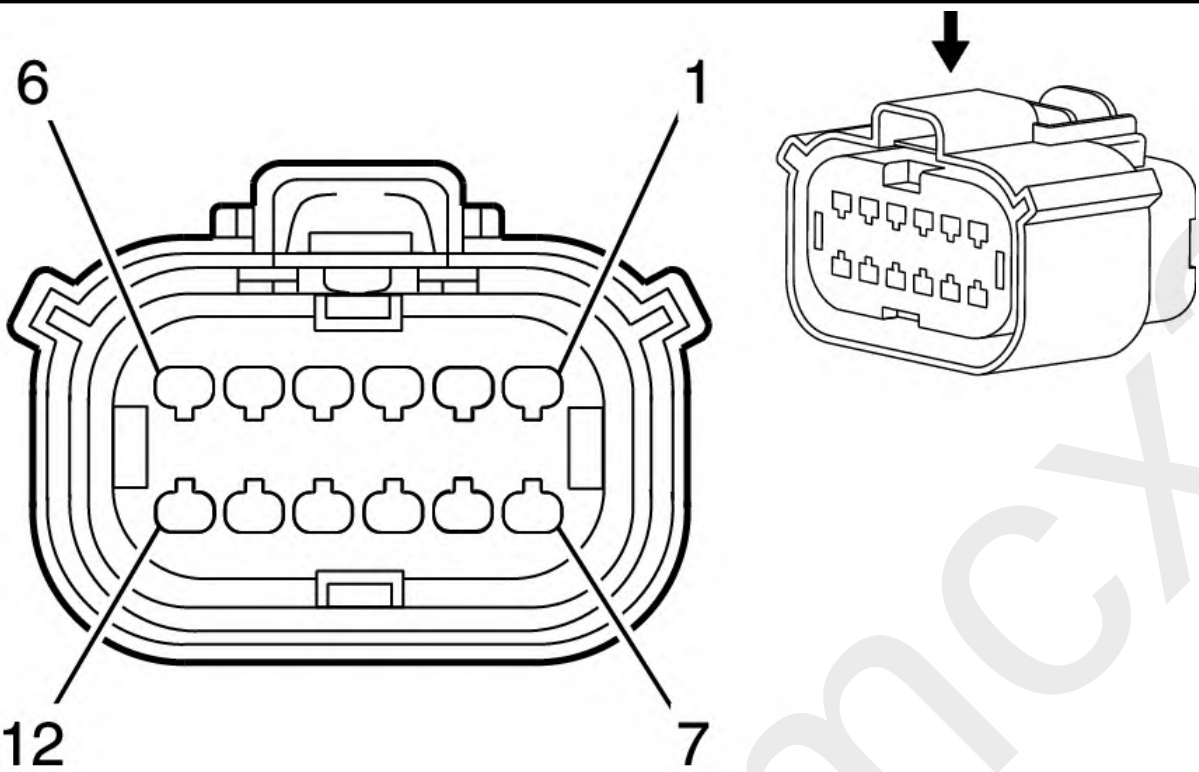
- Harness Type: Right Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 12-Way M

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

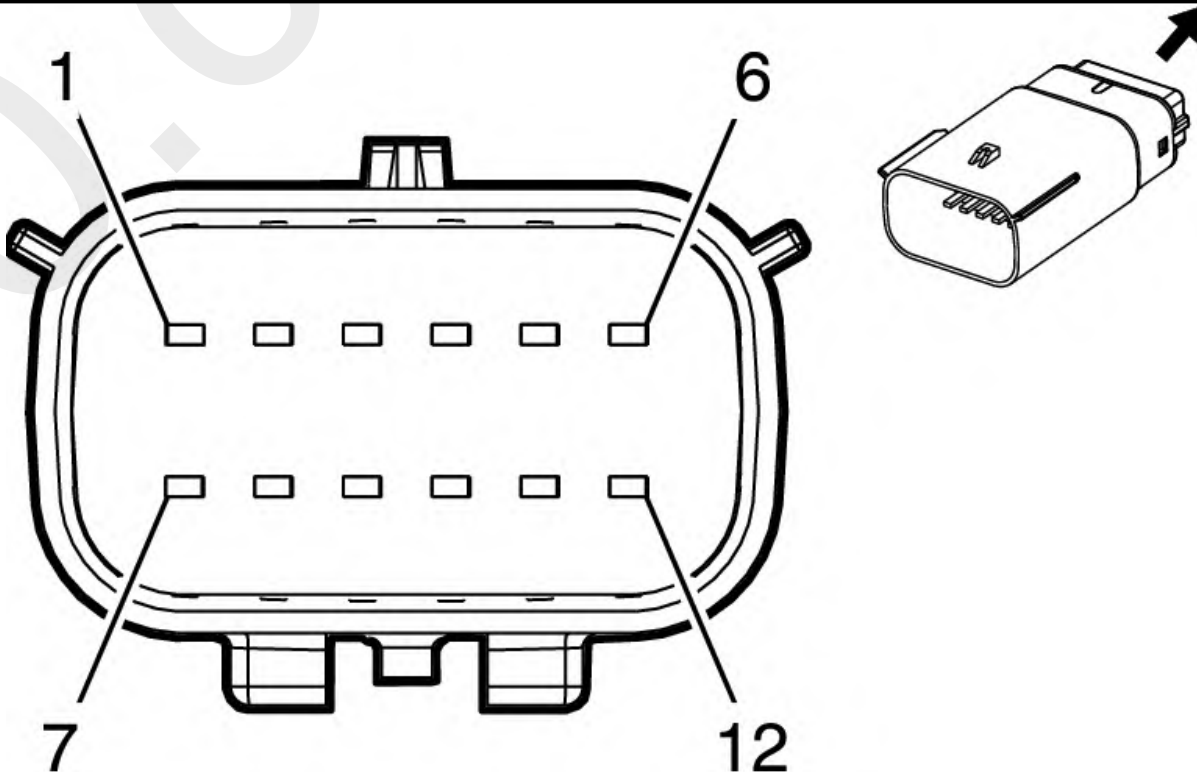
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1050	I	T4F+MAH/MBC/MCX/MBI-Z88	Ground	1	1.5	BK	1050	III	T4F+MAH/MBC/MCX/MBI-Z88
2	1.5	YE	312	I	T4F+MAH/MBC/MCX/MBI-Z88	Right Headlamp Low Beam Control	2	1.5	YE	312	III	T4F+MAH/MBC/MCX/MBI-Z88
3	0.35	WH	311	II	T4F+MAH/MBC/MCX/MBI-Z88	Right Headlamp High Beam Control	3	0.35	WH	311	III	T4F+MAH/MBC/MCX/MBI-Z88
4	0.35	GY/BN	309	II	T4F+MAH/MBC/MCX/MBI-Z88	Right Park Lamp Control	4	0.35	GY/BN	309	III	T4F+MAH/MBC/MCX/MBI-Z88
5	0.35	BK	1050	II	T4F+MAH/MBC/MCX/MBI-Z88	Ground	5	0.35	BK	1050	III	T4F+MAH/MBC/MCX/MBI-Z88
6	0.35	VT	1203	II	T4F+MAH/MBC/MCX/MBI-Z88	Right Park Lamp Control	6	0.35	VT	1203	III	T4F+MAH/MBC/MCX/MBI-Z88
7 - 12	-	-	-	-	-	Not Occupied	7 - 12	-	-	-	-	-

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (T4F+Z88)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13503526
- Service Connector: 13503528
- Description: 12-Way F 1.5 Series, Sealed (BK)



Connector Part Information

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

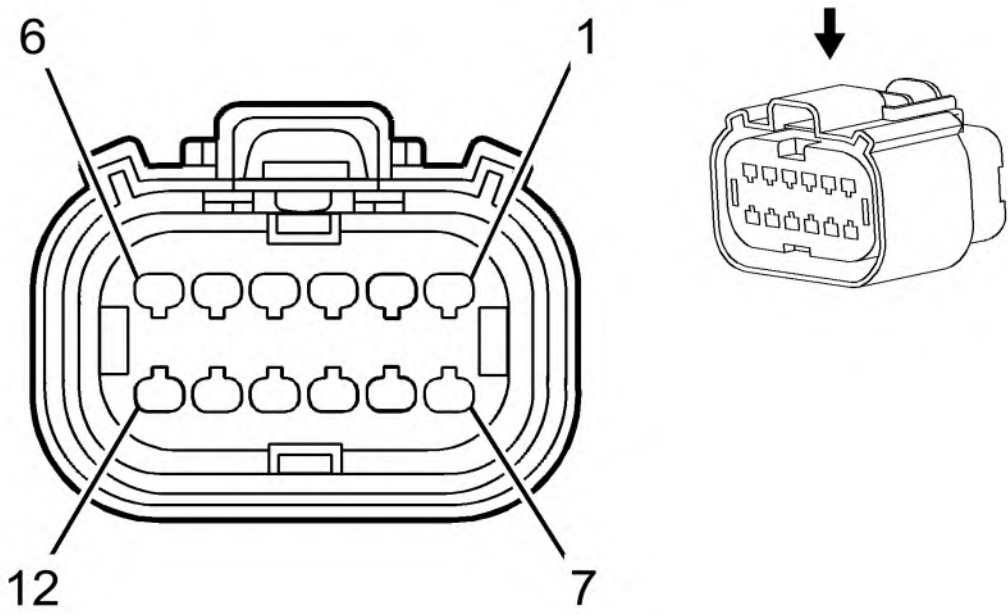
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1050	I	Z88+T4F	Ground	1	1.5	BK	1050	III	Z88+T4F
2	1.5	YE	312	I	Z88+T4F	Right Headlamp Low Beam Control	2	1.5	YE	312	III	Z88+T4F
3	0.35	WH	311	II	Z88+T4F	Right Headlamp High Beam Control	3	0.35	WH	311	III	Z88+T4F
4	0.35	BK	1050	II	Z88+T4F	Ground	4	0.35	BK	1050	III	Z88+T4F
5	0.35	YE/GY	2226	II	Z88+T4F	Right Headlamp Control	5	0.35	YE/GY	2226	III	Z88+T4F
6	0.35	GN/VT	1315	II	-	Right Front Turn Signal Lamp Control	6	0.35	GN/VT	1315	III	Z88+T4F
7	0.35	GY/BN	309	II	Z88+T4F	Right Park Lamp Control	7	0.35	GY/BN	309	III	Z88+T4F
8 - 11	-	-	-	-	-	Not Occupied	8 - 11	-	-	-	-	-
12	0.35	VT	1203	II	-	Right Park Lamp Control	12	0.35	VT	1203	III	Z88+T4F

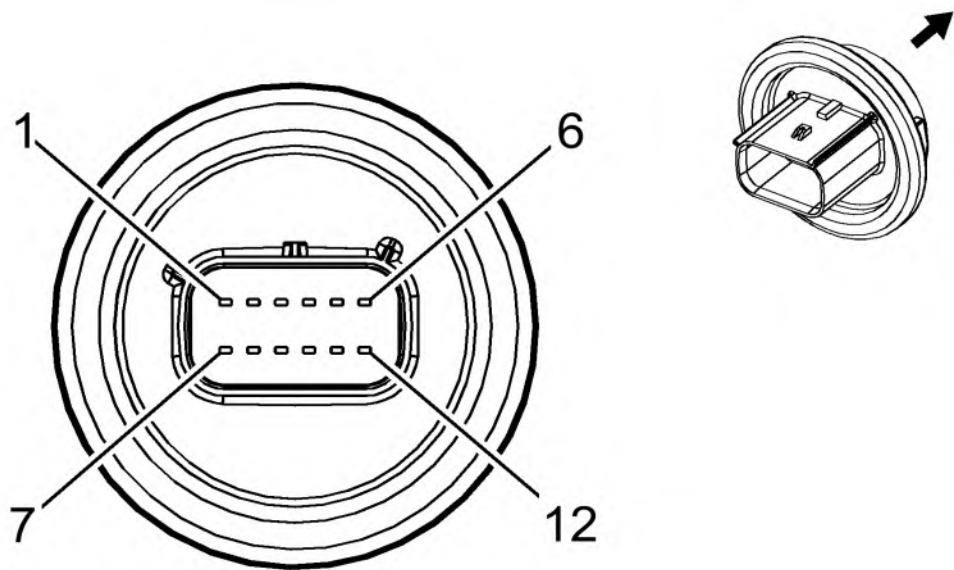
X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (T4L+TR7)

--	--



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13586052
- Service Connector: 19333239
- Description: 12-Way F 150 MX Series, Sealed (D-GY)



Connector Part Information

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

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300432	J-35616-14 (GN)	J-38125-557	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1.5	BK	1050	II	T4L+TR7-MAH-MCX-MBC	Ground	1	1.5	BK	1050	III	-
2	1.5	YE	312	I	T4L+TR7-MAH-MCX-MBC	Right Headlamp Low Beam Control	2	1.5	YE	312	III	-
3	0.35	WH	311	II	T4L+TR7-MAH-MCX-MBC	Right Headlamp High Beam Control	3	0.35	WH	311	III	-
4	0.35	GY/BN	309	II	T4L+TR7-MAH-MCX-MBC	Right Park Lamp Control	4	0.35	GY/BN	309	III	-
5	0.35	BK	1050	II	T4L+TR7-MAH-MCX-MBC	Ground	5	0.35	BK	1050	III	-
6	0.35	BN/YE	189	II	T4L+TR7-MAH-MCX-MBC	Headlamp Leveling Motor Control	6	0.35	BN/YE	189	III	-
7	0.35	GN/WH	7530	II	T4L+TR7-MAH-MCX-MBC	Local Interconnect Network Serial Data Bus 8	7	0.35	GN/WH	7530	III	-
8	0.35	BK	1050	II	T4L+TR7-MAH-MCX-MBC	Ground	8	0.35	BK	1050	III	-
9 - 12	-	-	-	-	-	Not Occupied	9 - 12	-	-	-	-	-