

2018 ELECTRICAL
Inline Harness Connector End Views (X101 - X161) - Traverse

INLINE HARNESS CONNECTOR END VIEWS

X101 FORWARD LAMP HARNESS TO BODY HARNESS

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13586845
- 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	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	E	C
II	13582180	J-35616-14 (GN)	J-38125-557	1241374-1	Lear 17	2	C
III	19119381	J-35616-14 (GN)	J-3125-560	1241374-1	Lear 17	2	C
IV	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
V	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575425	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VII	13576397	J-35616-34 (YE)	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 - 2	-	-	-	-	-	Not Occupied	1 - 2	-	-	-	-	-
3	0.5 0.5	VT/BU VT/BU	7078 7078	IV II	VTI-WMI WMI	Powertrain Main Relay Fused Control 7 Powertrain Main Relay Fused Control 7	3	0.5	VT/BU	7078	V	VTI/WMI
4	0.35	GY/VT	3808	III	UGN	Front Object Sensor Control 2	4	0.35	GY/VT	3808	VII	UGN
5	0.5 0.5	GN/VT GN/VT	1315 1315	IV II	W49 X88	Right Front Turn Signal Lamp Control Right Front Turn Signal Lamp Control	5	0.75 0.5	GN/VT GN/VT	1315 1315	V V	-DM8-DNP-DWK-DWM-DXZ-DZE DM8/DNP/DWK/DWM/DXZ/DZE
6	0.35	BU/VT	3813	III	UGN	High Speed GMLAN Serial Data (+) 4	6	0.35	BU/VT	3813	VII	UGN
7	0.5	RD/BN	4940	II	UGN	Battery Positive Voltage	7	0.5	RD/BN	4940	V	UGN
8	0.35	WH	3811	III	UGN	High Speed GMLAN Serial Data (-) 4	8	0.35	WH	3811	VII	UGN
9	0.5	OG/GN	1409	II	-	Right Front Discriminating Sensor Signal	9	0.5	OG/GN	1409	V	-
10	0.5	BK/OG	5600	II	-	Right Front Discriminating Sensor Low Reference	10	0.5	BK/OG	5600	V	-
11	-	-	-	-	-	Not Occupied	11	-	-	-	-	-
12	1	GN	11	II	-	Headlamp High Beam Control	12	0.75	GN	11	V	-
13	0.35	GY/YE	6972	III	UVH	Camera Signal 2 +	13	0.35	GY/YE	6972	VII	UVH
14	0.35	WH/BU	6973	III	UVH	Camera Signal 2	14	0.35	WH/BU	6973	VII	UVH
15	0.35	BN/RD	2063	III	UVH	6V Reference	15	0.35	BN/RD	2063	VII	UVH
16	0.5 0.5 0.5	VT/GY VT/GY VT/GY	709 709 709	II IV II	CZ3+T4F T4F-CZ3 X88+T4L	Left Park Lamp Control Left Park Lamp Control Left Park Lamp Control	16	0.5	VT/GY	709	V	-
17	0.5 0.5	YE/GY YE/GY	57 57	IV II	W49 X88+T4L	Left Cornering Lamp Control Left Cornering Lamp Control	17	0.5	YE/GY	57	V	-
18	0.5	VT/GY	709	II	-	Left Park Lamp Control	18	0.5	VT/GY	709	V	-
19	0.5	GY/BN	309	IV	X88-CZ3	Right Park Lamp Control	19	0.5	GY/BN	309	V	X88-CZ3
20	0.5	BK/BU	61	I	-	Outside Ambient Temperature Sensor Low Reference	20	0.5	BK/BU	61	VI	-
21	0.5	GN/VT	4621	II	-	Local Interconnect Network Serial Data Bus 21	21	0.5	GN/VT	4621	V	VTI/WMI
22	0.5 0.5	BU/GY BU/GY	636 636	II IV	CZ3 -CZ3	Outside Ambient Air Temperature Sensor Signal Outside Ambient Air Temperature Sensor Signal	22	0.5	BU/GY	636	V	-
23	0.5	VT/GY	539	IV	TR6	Run/Crank Ignition 1 Voltage	23	0.5	VT/GY	539	V	-
24	-	-	-	-	-	Not Occupied	24	-	-	-	-	-
25	0.5	VT	185	II	CZ3	Low Washer Fluid Indicator Control	25	0.35	VT	185	VII	-
26	0.5	BK	1050	II	-	Ground	26	0.35	BK	1050	VII	-
27	0.35	BN/BK	6202	III	UVH	Camera Ground	27	0.35	BN/BK	6202	VII	UVH
28	0.35	BU	6974	III	UVH	Camera Low Reference	28	0.35	BU	6974	VII	UVH
29	-	-	-	-	-	Not Occupied	29	-	-	-	-	-
30	0.5	YE/WH	58	IV	-	Right Cornering Lamp Control	30	0.5	YE/WH	58	V	-

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
31	0.5 0.5	BU/WH BU/WH	1314 1314	II II	T4F-CZ3 W49	Left Front Turn Signal Lamp Control Left Front Turn Signal Lamp Control	31	0.75 0.5	BU/WH BU/WH	1314 1314	V V	-DM8-DNP-DWK-DWM-DXZ-DZE DM8/DNP/DWK/DWM/DXZ/DZE
32	0.5	BN/GN	109	II	-	Hood Ajar Switch Signal	32	0.5	BN/GN	109	V	-
33	0.5	YE	5530	II	-	Hood Open Switch Signal	33	0.5	YE	5530	V	-
34 - 35	-	-	-	-	-	Not Occupied	34 - 35	-	-	-	-	-
36	0.5	OG/YE	354	II	-	Left Front Discriminating Sensor Signal	36	0.5	OG/YE	354	V	-
37	0.5	GY/BN	309	IV	-	Right Park Lamp Control	37	0.5	GY/BN	309	V	-
38 - 39	-	-	-	-	-	Not Occupied	38 - 39	-	-	-	-	-
40	0.5	BK/OG	5045	II	-	Left Front Discriminating Sensor Low Reference	40	0.5	BK/OG	5045	V	-
41	0.5	YE/VT	5213	II	-	Front Parking Left/Right/Mid Sensor	41	0.5	YE/VT	5213	V	-
42	0.5	VT/WH	5215	II	-	Front Parking Left Corner Sensor	42	0.5	VT/WH	5215	V	-
43	0.5	YE/GY	5216	II	UD5	Front Parking Left Mid Sensor	43	0.5	YE/GY	5216	V	UD5
44	0.5	WH/GY	5217	II	UD5	Front Parking Right Corner Sensor	44	0.5	WH/GY	5217	V	UD5
45	0.5	VT/GY	5218	II	-	Front Parking Right Mid Sensor	45	0.5	VT/GY	5218	V	-
46	0.5	BK/BU	5214	II	UD5	Front Parking Sensor Low Reference	46	0.5	BK/BU	5214	V	UD5
47	0.5	BK	750	II	-	Ground	47	0.5	BK	750	V	-
48	-	-	-	-	-	Not Occupied	48	-	-	-	-	-

X102 FORWARD LAMP HARNESS TO FRONT FASCIA HARNESS

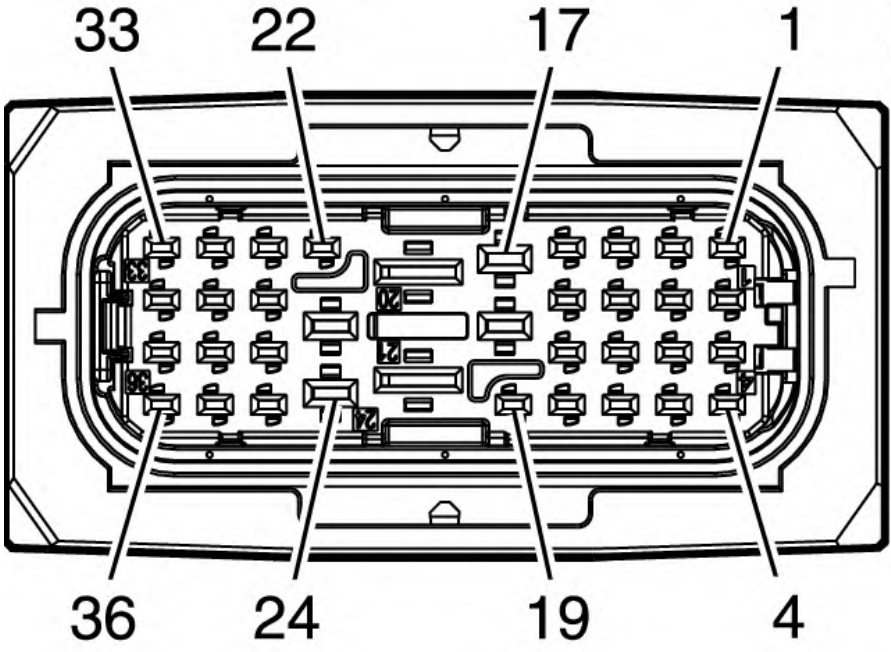


Diagram showing the internal wiring and terminal layout of the Forward Lamp Connector. Terminals are labeled with numbers: 33, 22, 17, 1, 36, 24, 19, 4. An inset shows the external view of the connector with an arrow pointing to the mating direction.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13583074
- Service Connector: 19333092
- Description: 36-Way F 1.5, 2.8 CTS, 6.3 MCP Series (BK)

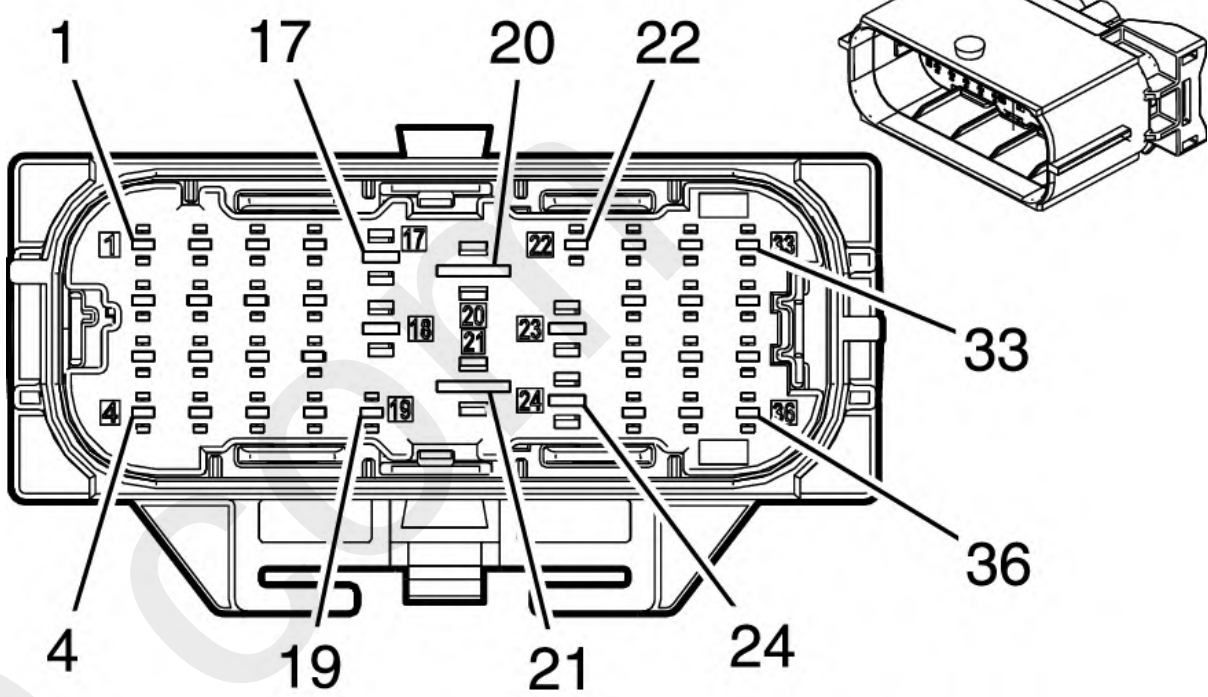


Diagram showing the internal wiring and terminal layout of the Front Fascia Connector. Terminals are labeled with numbers: 1, 17, 20, 22, 33, 36, 4, 19, 21, 24. An inset shows the external view of the connector with an arrow pointing to the mating direction.

Connector Part Information

- Harness Type: Front Fascia
- OEM Connector: 13930004
- Service Connector: Service by Harness - See Part Catalog
- Description: 36-Way M 1.5, 2.8, 5.8 Series, Sealed (BK)

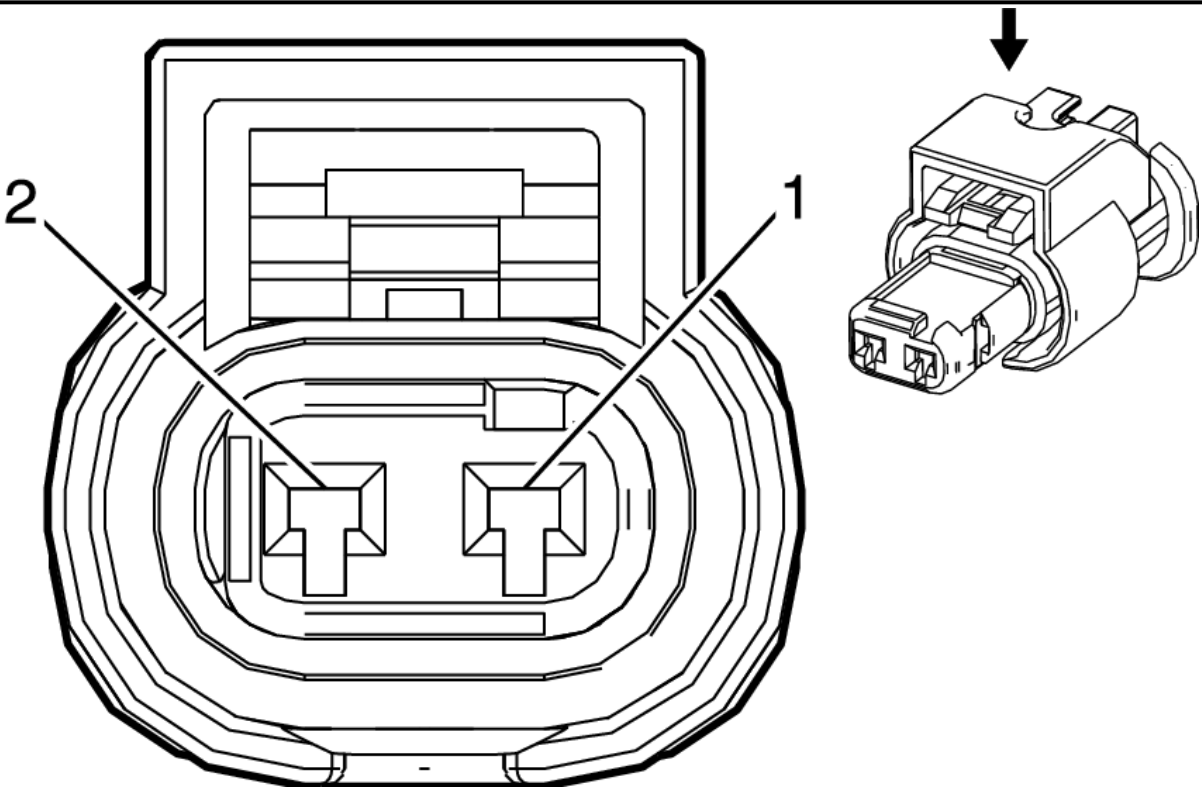
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19119381	J-35616-14 (GN)	J-3125-560	Not Available	Not Available	Not Available	Not Available
II	19119772	J-35616-35 (VT)	J-38125-557	1241388-1	Lear 17	E	C
III	19301776	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available
IV	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
V	Not Required	J-35616-34 (YE)	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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.35	BN/RD	2063	I	UVH	6V Reference	2	0.35	BN/RD	2063	V	UVH
3	0.35	BN/BK	6202	I	UVH	Camera Ground	3	0.35	BN/BK	6202	V	UVH
4 - 5	-	-	-	-	-	Not Occupied	4 - 5	-	-	-	-	-
6	0.5	VT/GY	5218	III	UD5	Front Parking Right Mid Sensor	6	0.5	VT/GY	5218	IV	UD5
7	0.5	BK/BU	5214	III	UD5	Front Parking Sensor Low Reference	7	0.5	BK/BU	5214	IV	UD5
8	0.5	WH/GY	5217	III	UD5	Front Parking Right Corner Sensor	8	0.5	WH/GY	5217	IV	UD5
9	0.35	WH/BU	6973	I	UVH	Camera Signal 2	9	0.35	WH/BU	6973	V	UVH
10	0.35	GY/YE	6972	I	UVH	Camera Signal 2 +	10	0.35	GY/YE	6972	V	UVH
11	0.35	BU	6974	I	UVH	Camera Low Reference	11	0.35	BU	6974	V	UVH
12	-	-	-	-	-	Not Occupied	12	-	-	-	-	-
13	0.5	YE/VT	5213	III	-	Front Parking Left/Right/Mid Sensor	13	0.5	YE/VT	5213	IV	-
14	0.5	VT/WH	5215	III	-	Front Parking Left Corner Sensor	14	0.5	VT/WH	5215	IV	-
15	0.5	YE/GY	5216	III	UD5	Front Parking Left Mid Sensor	15	0.5	YE/GY	5216	IV	UD5
16	-	-	-	-	-	Not Occupied	16	-	-	-	-	-
17	0.75	BK	150	II	T3U	Ground	17	0.75	BK	150	VI	T3U
18	0.5	BK/BU	61	II	-	Outside Ambient Temperature Sensor Low Reference	18	0.5	BK/BU	61	VI	-
19	0.5	BU/GY	636	III	-	Outside Ambient Air Temperature Sensor Signal	19	0.5	BU/GY	636	IV	-
20 - 24	-	-	-	-	-	Not Occupied	20 - 24	-	-	-	-	-
25	0.75	BN/VT	2234	III	-	Front Fog Lamp Control	25	0.75	BN/VT	2234	IV	-
26	0.5	GY/BN	309	III	W49	Right Park Lamp Control	26	0.75	GY/BN	309	IV	W49
27	0.5	BK	250	III	W49	Ground	27	0.75	BK	250	IV	W49
28	-	-	-	-	-	Not Occupied	28	-	-	-	-	-
29	0.5	BK	150	III	W49	Ground	29	0.75	BK	150	IV	W49
30	0.5	VT/GY	709	III	-	Left Park Lamp Control	30	0.75	VT/GY	709	IV	-
31	0.5	BU/WH	1314	III	W49	Left Front Turn Signal Lamp Control	31	0.5	BU/WH	1314	IV	W49
32	0.5	BK	150	III	W49	Ground	32	0.5	BK	150	IV	W49

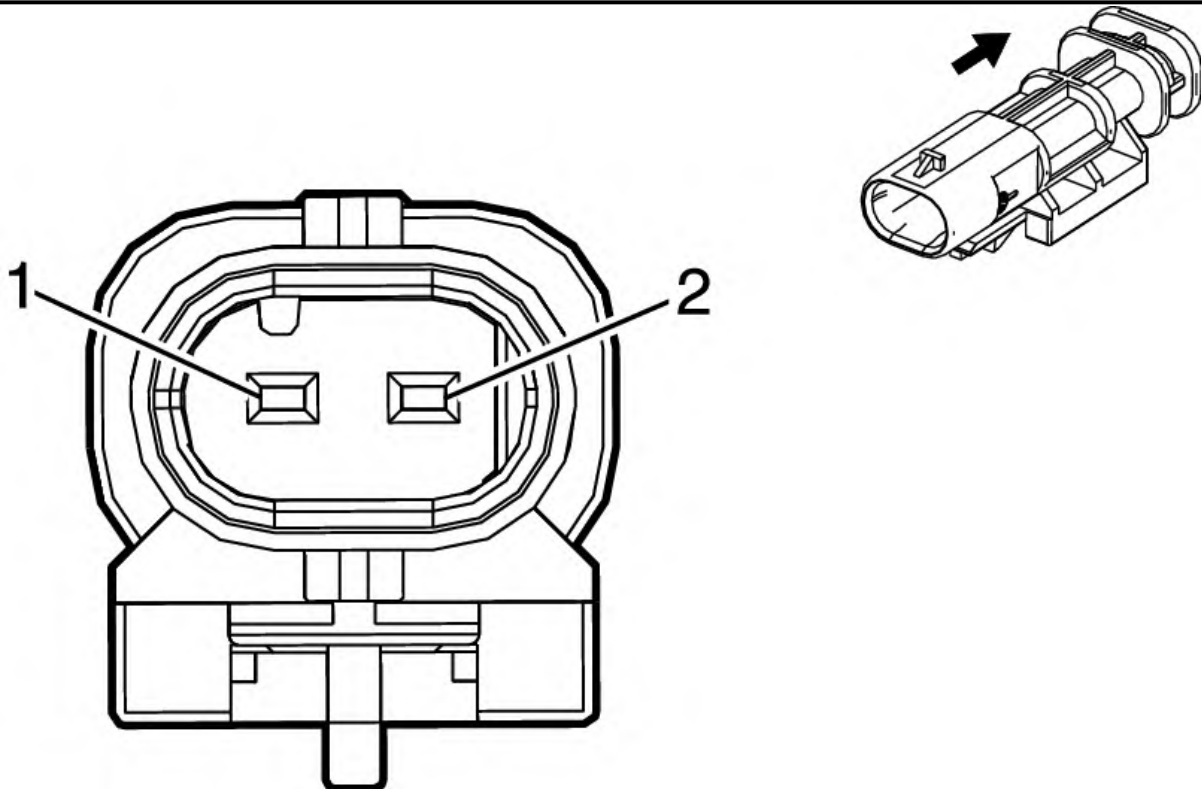
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
33	0.5	GN/VT	1315	III	-	Right Front Turn Signal Lamp Control	33	0.5	GN/VT	1315	IV	-
34	0.5	BK	250	III	W49	Ground	34	0.5	BK	250	IV	W49
35 - 36	-	-	-	-	-	Not Occupied	35 - 36	-	-	-	-	-

X106 LEFT FRONT SHOCK ABSORBER ACTUATOR JUMPER HARNESS TO BODY HARNESS (F45)



Connector Part Information

- Harness Type: Left Front Shock Absorber Actuator Jumper
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F



Connector Part Information

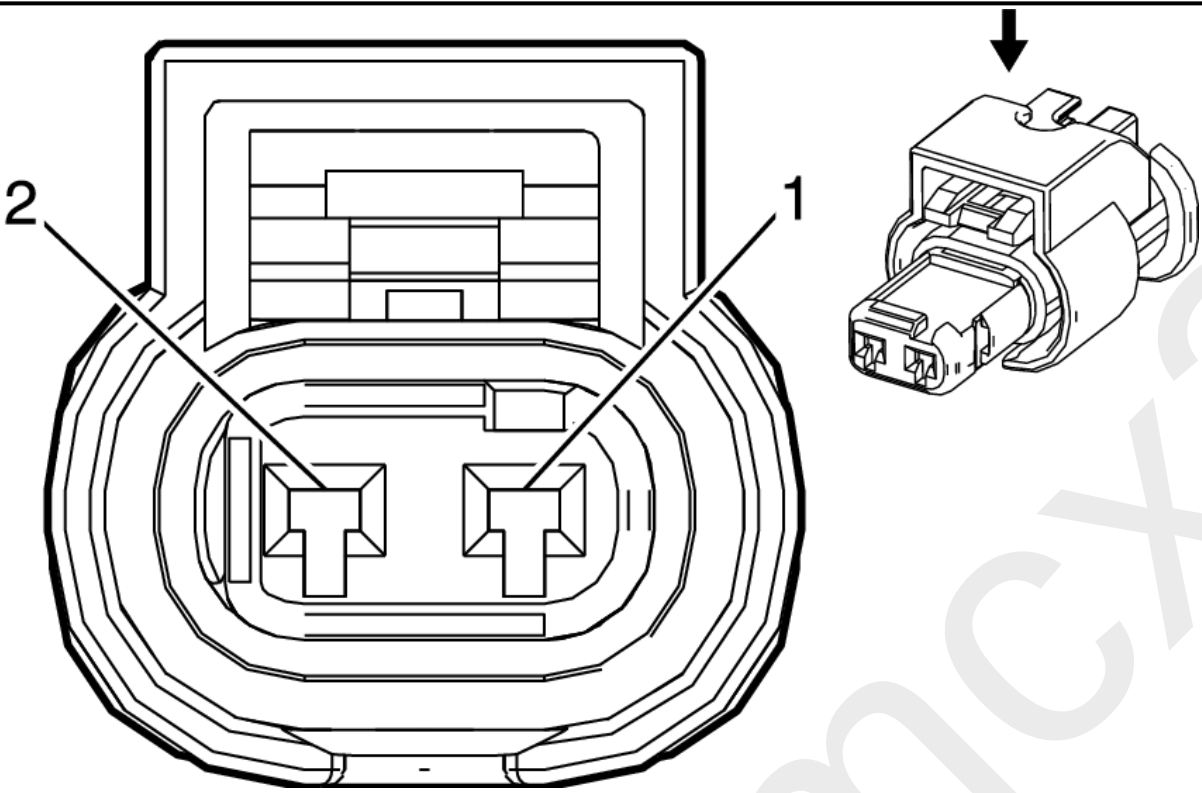
- Harness Type: Body
- OEM Connector: 13505427
- Service Connector: 22836728
- Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

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

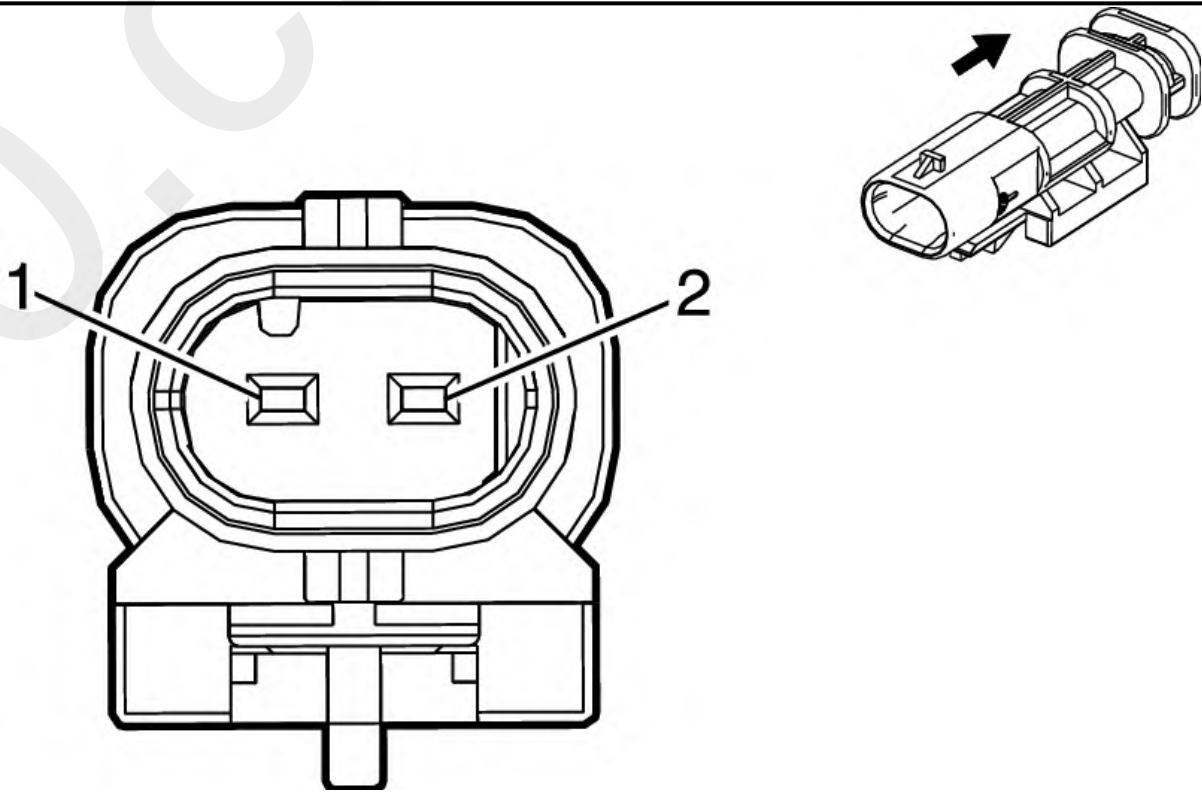
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BN/WH	1107	I	F45	Left Front Damping Servo Control	1	0.5	BN/WH	1107	II	F45
2	0.5	GY/BU	1113	I	F45	Left Front Damping Servo Control	2	0.5	GY/BU	1113	II	F45

X107 LEFT FRONT SHOCK ABSORBER ACTUATOR JUMPER HARNESS TO BODY HARNESS (F45)



Connector Part Information

- Harness Type: Left Front Shock Absorber Actuator Jumper
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 2-Way F



Connector Part Information

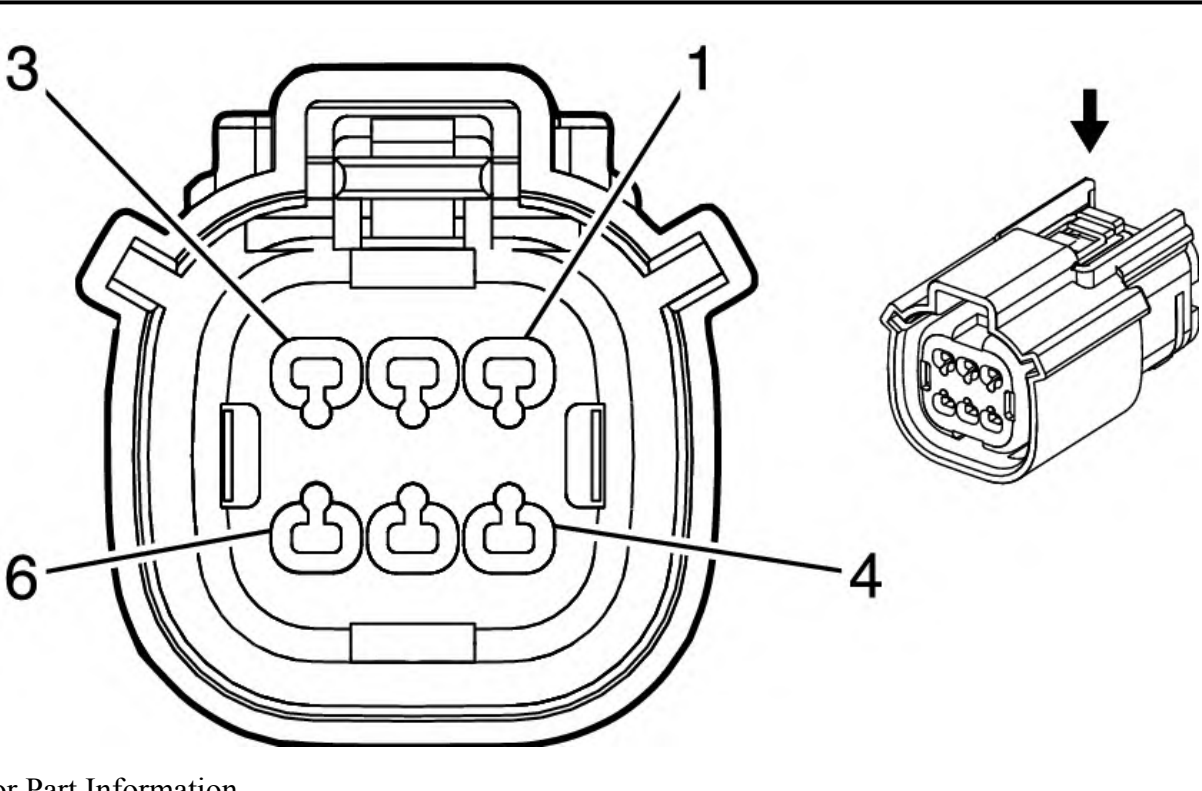
- Harness Type: Body
- OEM Connector: 13505427
- Service Connector: 22836728
- Description: 2-Way M 1.2 Multilock Series, Sealed (BK)

Terminal Part Information

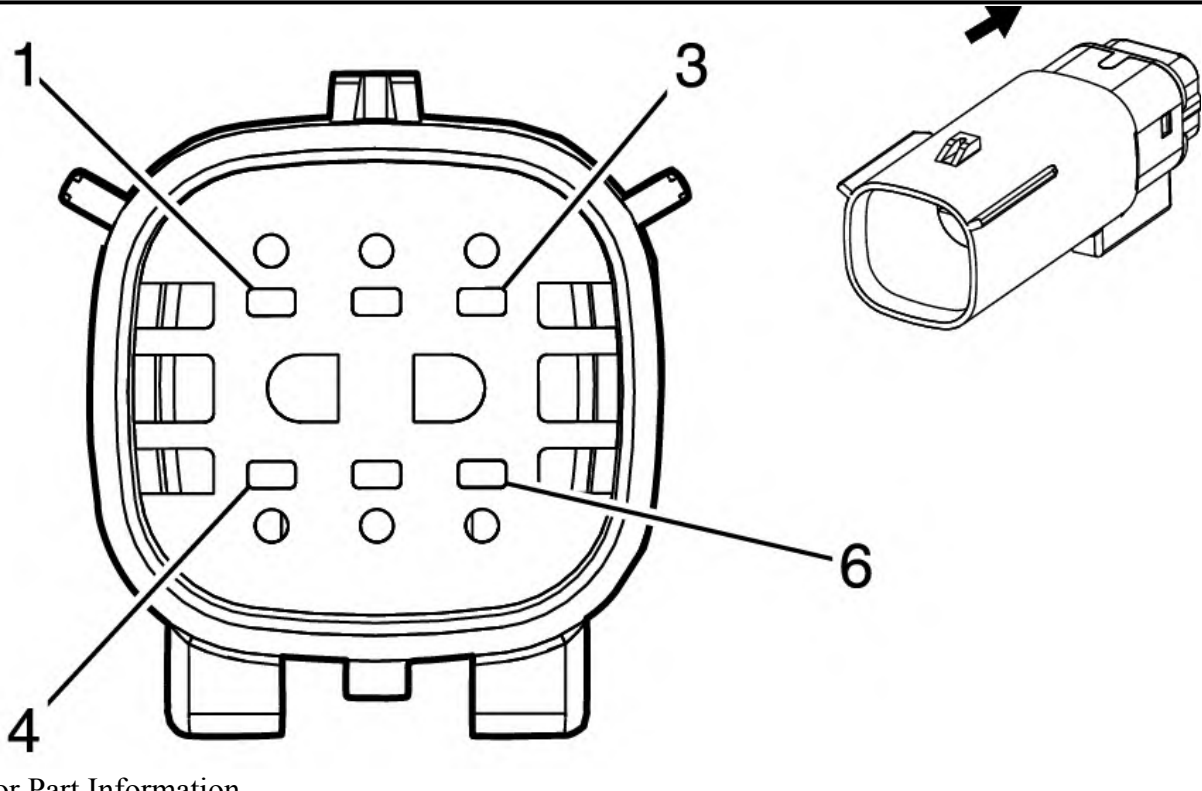
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.5	BN/BU	1116	I	F45	Right Front Damping Servo Control	1	0.5	BN/BU	1116	II	F45
2	0.5	GY/WH	1117	I	F45	Right Front Damping Servo Control	2	0.5	GY/WH	1117	II	F45

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (W49/(X88+T4F-CZ3))



Connector Part Information



Connector Part Information

• Harness Type: Forward Lamp • OEM Connector: 33472-0606 • Service Connector: 13578533 • Description: 6-Way F 150 MX Series, Sealed (BK)	• Harness Type: Left Headlamp • OEM Connector: Not Available • Service Connector: Service by Harness - See Part Catalog • Description: 6-Way M
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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	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	BK	150	II	-	Ground	1	1	BK	150	III	-
2	1	YE	712	II	-	Left Headlamp Low Beam Control	2	1	YE	712	III	-
3	1	GN	11	II	-	Headlamp High Beam Control	3	1	GN	11	III	-
4	0.5 1.5	VT/GY BK	709 150	II I	W49 X88	Left Park Lamp Control	4	0.5 1.5	VT/GY BK	709 150	III III	W49 X88
5	0.5	YE/GY	57	II	-	Left Cornering Lamp Control	5	0.5	YE/GY	57	III	-
6	0.5 0.5	BK VT/GY	150 709	II II	W49 X88	Ground Left Park Lamp Control	6	0.5 0.5	BK VT/GY	150 709	III III	W49 X88

X110 FORWARD LAMP HARNESS TO LEFT HEADLAMP HARNESS (X88+T4F+CZ3)

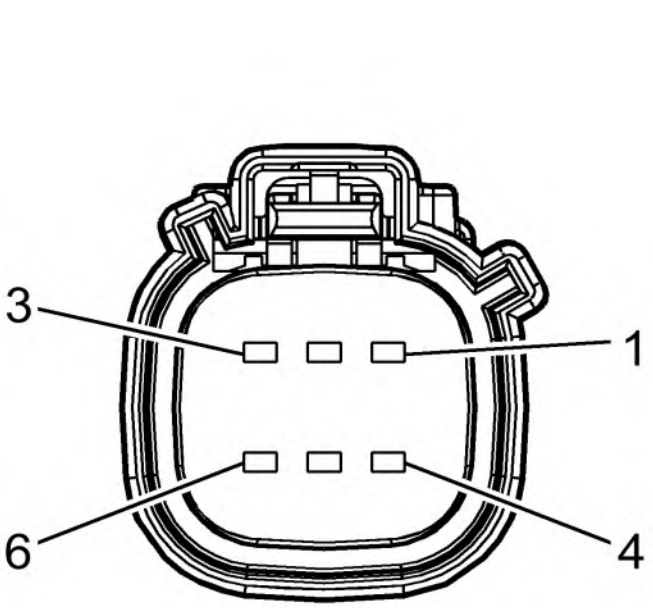


Diagram showing the internal terminals of the Forward Lamp Connector X110. Terminals are labeled 1 through 6. A 3D view of the connector is shown above with arrows 1 and 2 indicating the locking mechanism.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-0670
- Service Connector: 19366644
- Description: 6-Way F 150 MX Series, Sealed (GY)

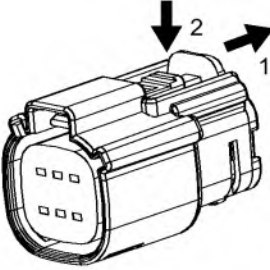


Diagram showing the internal terminals of the Left Headlamp Connector X110. Terminals are labeled 1 through 6. A 3D view of the connector is shown above with arrows 1 and 2 indicating the locking mechanism.

Connector Part Information

- Harness Type: Left Headlamp
- 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	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	BK	150	II	-	Ground	1	1	BK	150	III	-
2	1	YE	712	II	-	Left Headlamp Low Beam Control	2	1	YE	712	III	-
3	1	GN	11	II	-	Headlamp High Beam Control	3	1	GN	11	III	-
4	1.5	BK	150	I	-	Ground	4	1.5	BK	150	III	-
5	0.5	YE/GY	57	II	-	Left Cornering Lamp Control	5	0.5	YE/GY	57	III	-
6	0.5	VT/GY	709	II	-	Left Park Lamp Control	6	0.5	VT/GY	709	III	-

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

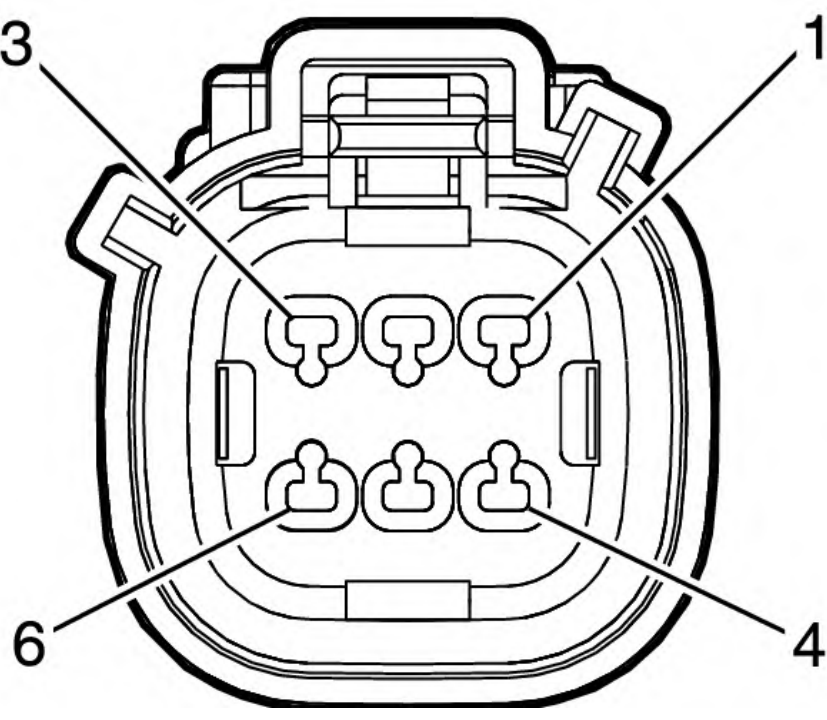


Diagram showing the internal terminals of the Forward Lamp Connector X110. Terminals are labeled 1 through 6. A 3D view of the connector is shown above with an arrow indicating the locking mechanism.

Connector Part Information

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

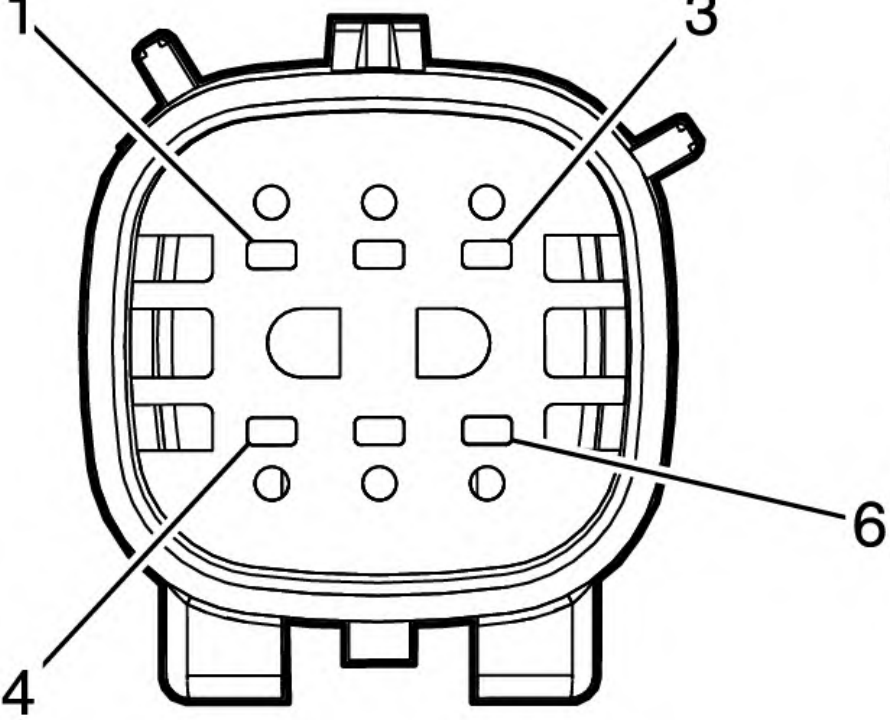


Diagram showing the internal terminals of the Left Headlamp Connector X110. Terminals are labeled 1 through 6. A 3D view of the connector is shown above with an arrow indicating the locking mechanism.

Connector Part Information

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

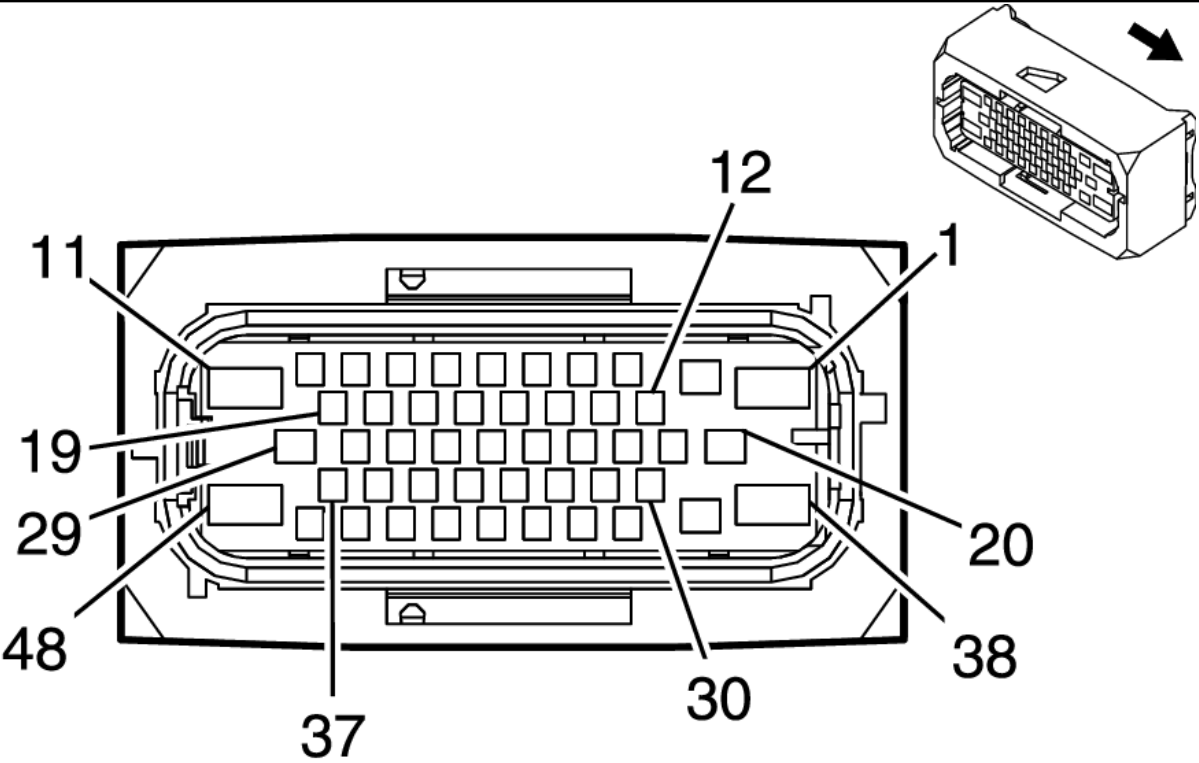
Terminal Part Information

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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	150	I	-	Ground	1	1	BK	150	II	-

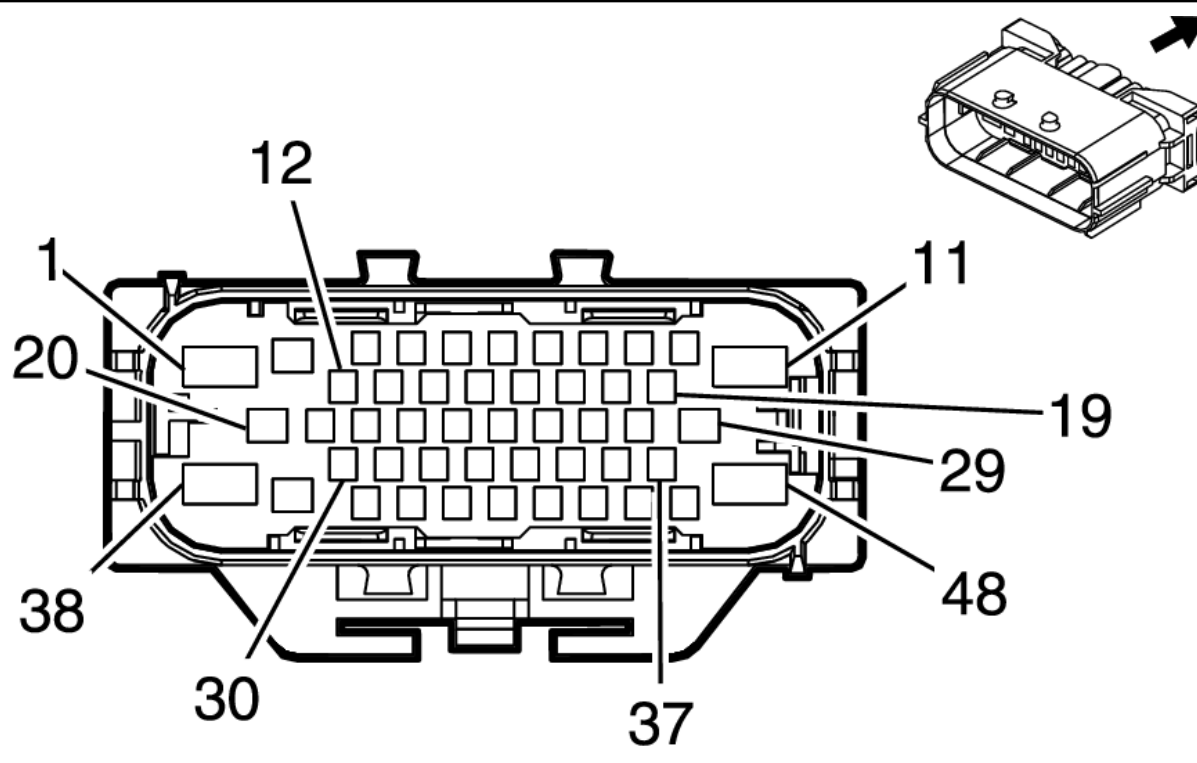
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
2	1	YE	712	I	-	Left Headlamp Low Beam Control	2	1	YE	712	II	-
3	1	GN	11	I	-	Headlamp High Beam Control	3	1	GN	11	II	-
4	0.5	BK	150	I	-	Ground	4	0.5	BK	150	II	-
5	0.5	YE/GY	57	I	-	Left Cornering Lamp Control	5	0.5	YE/GY	57	II	-
6	0.5	VT/GY	709	I	-	Left Park Lamp Control	6	0.5	VT/GY	709	II	-

X112 ENGINE HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Engine
- OEM Connector: 13586845
- 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)

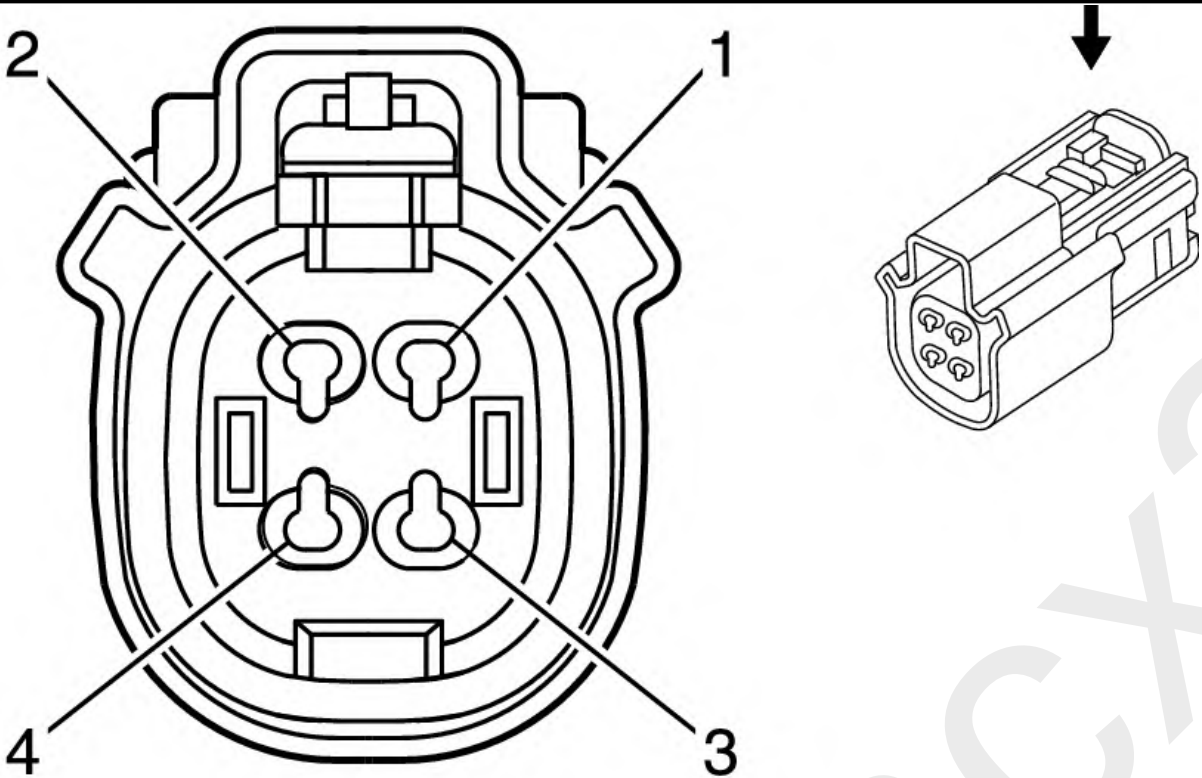
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575856	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	E	C
II	13580821	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13582180	J-35616-14 (GN)	J-38125-557	1241374-1	Lear 17	E	2
IV	13582180	J-35616-14 (GN)	J-38125-557	964280-2	Yazaki 15	E	C
V	19301757	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
VI	19301775	J-35616-40 (BU)	J-38125-556	Not Available	Not Available	Not Available	Not Available
VII	13575361	J-35616-45 (YE)	J-38125-560	964265-2	Lear 28	C	A
VIII	13575380	J-35616-3 (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
IX	13575425	J-35616-5 (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
X	13576397	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XI	13580826	J-35616-34 (YE)	J-38125-560	Not Available	Not Available	Not Available	Not Available
XII	19119926	J-35616-43 (RD)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XIII	19366580	J-35616-43 (RD)	J-38125-557	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	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.75	WH/BU	5986	II	-	Serial Data Communication Enable	2	0.5	WH/BU	5986	IX	-
3	0.5	GY	4109	IV	-	Driver Mode Switch 5V Reference	3	0.5	GY	4109	VIII	W49
4	0.5	WH/VT	4108	IV	-	Driver Mode Switch Signal	4	0.5	WH/VT	4108	VIII	W49
5	1	RD/GN	1840	IV	M3V	Battery Positive Voltage	5	1	RD/GN	1840	VII	M3V
6	0.5	BK/VT	3846	IV	-	All Wheel Drive Power Transfer Unit Position Sensor Low Reference	6	0.5	BK/VT	3846	VIII	-
7	0.5	YE	5530	IV	-	Hood Open Switch Signal	7	0.5	YE	5530	VIII	-
8	0.5	GN/GY	465	IV	-	Fuel Pump Primary Relay Control	8	0.5	GN/GY	465	VIII	-
9	0.5	WH	1310	IV	LFY+NTB/NUB	EVAP Canister Vent Solenoid Control	9	0.75	WH	1310	VIII	LFY+NTB/NUB
10	0.5	BN/WH	419	IV	-	Check Engine Indicator Control	10	0.35	BN/WH	419	X	-
11	0.5	BU/WH	1937	VI	F48	Secondary Fuel Level Sensor Signal	11	0.5	BU/WH	1937	XIII	F48
12	0.5	WH/BU	6311	IV	-	Cruise/ETC/TCC Brake Signal	12	0.35	WH/BU	6311	X	-
13	0.5	YE/BK	625	IV	-	Starter Enable Relay Control	13	0.5	YE/BK	625	XI	-
14	0.75	WH	6106	III	-	High Speed GMLAN Serial Data (-) 2	14	0.35 0.5	WH WH	6106 6106	X VIII	M3W -M3W
15	0.75	BU/YE	6105	III	-	High Speed GMLAN Serial Data (+) 2	15	0.35 0.5	BU/YE BU/YE	6105 6105	X VIII	M3W -M3W
16	0.5	GN/BN	3848	IV	-	All Wheel Drive Power Transfer Unit Position Sensor Signal	16	0.5	GN/BN	3848	VIII	F48
17	0.5	WH/RD	3847	IV	-	All Wheel Drive Power Transfer Unit Position Sensor Voltage Reference	17	0.5	WH/RD	3847	VIII	F48
18	0.5	VT/BU	6091	IV	LFY+UQA	Crankshaft Position Sensor Replicated Signal	18	0.35	VT/BU	6091	X	LFY+UQA
19	0.5	BU/GY	636	IV	-	Outside Ambient Air Temperature Sensor Signal	19	0.5	BU/GY	636	VIII	-
20	0.5	BN	6305	I	LFY	Brake Vacuum Switch Signal	20	0.5	BN	6305	IX	-
21	0.5	BU/BK	7493	IV	-	High Speed GMLAN Serial Data (+)3	21	0.35	BU/BK	7493	X	-
22	0.5	WH	7494	IV	-	High Speed GMLAN Serial Data (-)3	22	0.35	WH	7494	X	-
23	0.75	BU/YE	6105	III	-	High Speed GMLAN Serial Data (+) 2	23	0.5	BU/YE	6105	VIII	-
24	0.75	WH	2501	III	-	High Speed GMLAN Serial Data (-) 1	24	0.35	WH	2501	X	-
25	0.75	BU	2500	III	-	High Speed GMLAN Serial Data (+) 1	25	0.35	BU	2500	X	-
26	0.5	BK/YE	7447	IV	-	Fuel Line Pressure Sensor Low Reference	26	0.5	BK/YE	7447	VIII	-
27	0.5	BN/RD	7445	IV	-	Fuel Line Pressure Sensor 5V Reference	27	0.5	BN/RD	7445	VIII	-

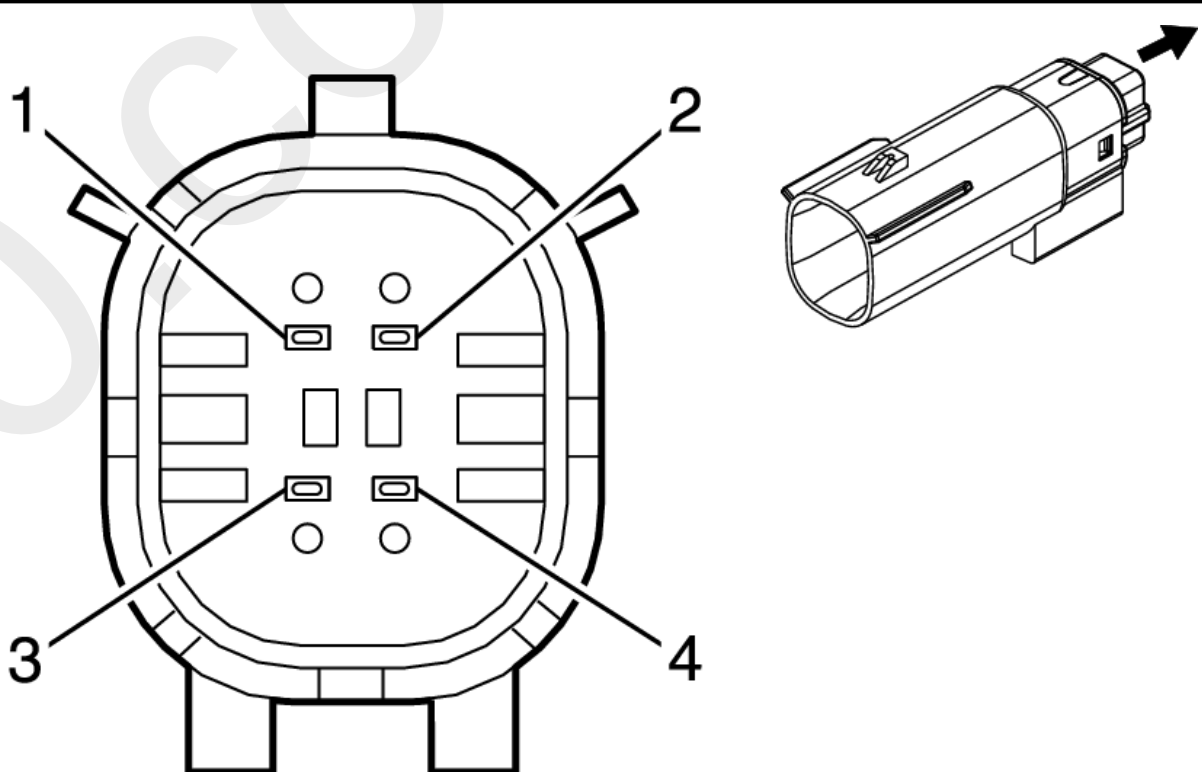
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
28	0.5	BU/WH	7446	IV	-	Fuel Line Pressure Sensor Signal	28	0.5	BU/WH	7446	VIII	-
29	0.5	VT/YE	5985	I	-	Accessory Wakeup Serial Data	29	0.5	VT/YE	5985	IX	-
30	0.5	GN/VT	4621	IV	-	Local Interconnect Network Serial Data Bus 21	30	0.5	GN/VT	4621	VIII	-
31	0.75	WH	6106	III	-	High Speed GMLAN Serial Data (-) 2	31	0.5	WH	6106	VIII	-
32	0.5	BN/RD	1274	IV	-	Accelerator Pedal Position 5V Reference 2	32	0.35	BN/RD	1274	X	-
33	0.5	GN/WH	1162	IV	-	Accelerator Pedal Position Signal 2	33	0.35	GN/WH	1162	X	-
34	0.5	BK/VT	1272	IV	-	Accelerator Pedal Position Low Reference 2	34	0.35	BK/VT	1272	X	-
35	0.5	WH/RD	1164	IV	-	Accelerator Pedal Position 5V Reference 1	35	0.35	WH/RD	1164	X	-
36	0.5	YE/WH	1161	IV	-	Accelerator Pedal Position Signal 1	36	0.35	YE/WH	1161	X	-
37	0.5	BK/BU	1271	IV	-	Accelerator Pedal Position Low Reference 1	37	0.35	BK/BU	1271	X	-
38	1.5	BN/GN	3945	V	F48	All Wheel Drive Power Transfer Motor Control B	38	2.5	BN/GN	3945	XII	F48
39	0.5	VT/BU	7078	I	VTI/WMI	Powertrain Main Relay Fused Control 7	39	0.5	VT/BU	7078	IX	VTI/WMI
40	0.5	WH/GN	5380	IV	-	Brake Position Sensor Signal	40	0.5	WH/GN	5380	VIII	-
41	0.5	BK/YE	5382	IV	-	Brake Position Sensor Low Reference	41	0.5	BK/YE	5382	VIII	-
42	0.5	WH/RD	5381	IV	-	Brake Position Sensor 5V Reference	42	0.5	WH/RD	5381	VIII	-
43	0.5	BU/WH	890	IV	LFY+NTB/NUB	Fuel Tank Pressure Sensor Signal	43	0.5	BU/WH	890	VIII	NTB/NUB
44	0.5	YE/RD	2709	IV	LFY+NTB/NUB	Fuel Tank Pressure Sensor 5V Reference	44	0.5	YE/RD	2709	VIII	NTB/NUB
45	0.5	BK/GN	6281	IV	-	Fuel Level Sensor Low Reference	45	0.5	BK/GN	6281	VIII	-
46	0.5	BU/VT	1589	IV	-	Primary Fuel Level Sensor Signal	46	0.5	BU/VT	1589	VIII	-
47	0.5	GN/VT	4621	IV	-	Local Interconnect Network Serial Data Bus 21	47	0.5	GN/VT	4621	VIII	-
48	0.5	VT/BU	7078	VI	-	Powertrain Main Relay Fused Control 7	48	0.5	VT/BU	7078	XIII	-

XI13 ENGINE HARNESS TO BODY HARNESS



Connector Part Information

- Harness Type: Engine
- OEM Connector: 33472-4006
- Service Connector: 19366645
- Description: 4-Way F 150 MX Series, Sealed (BK)



Connector Part Information

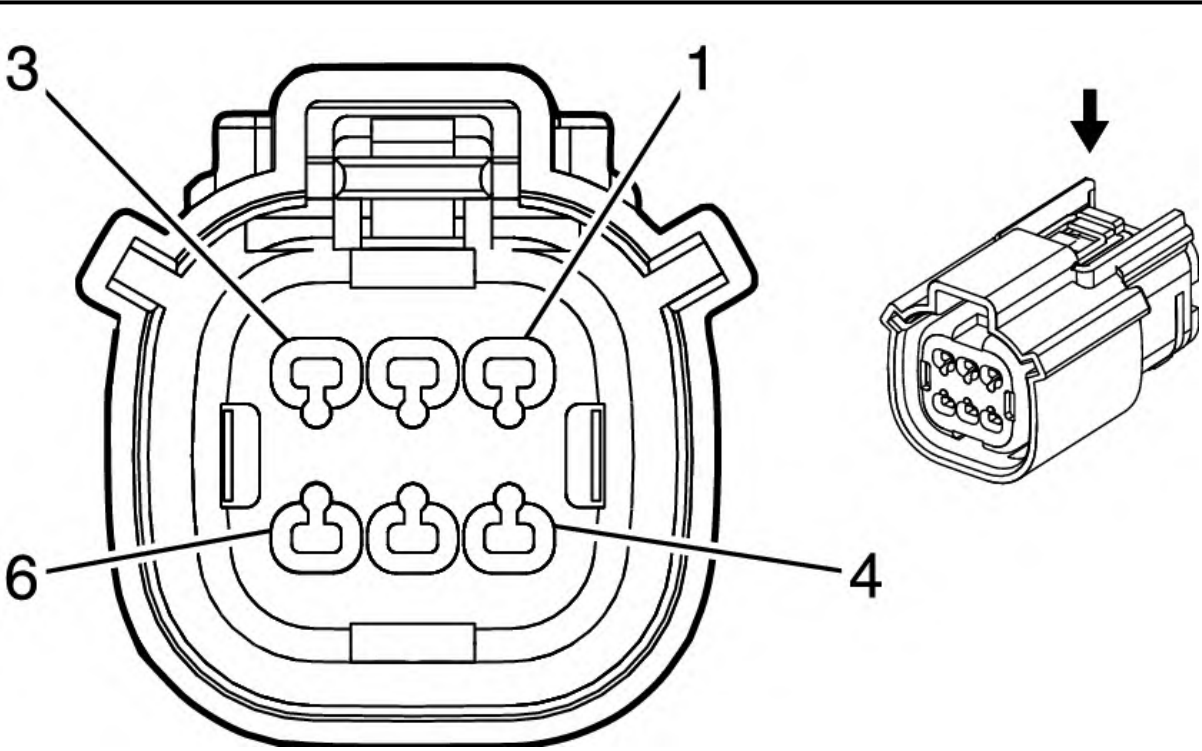
- Harness Type: Body
- OEM Connector: 33482-4001
- Service Connector: 19330396
- Description: 4-Way M 150 MX Series, Sealed (BK)

Terminal Part Information

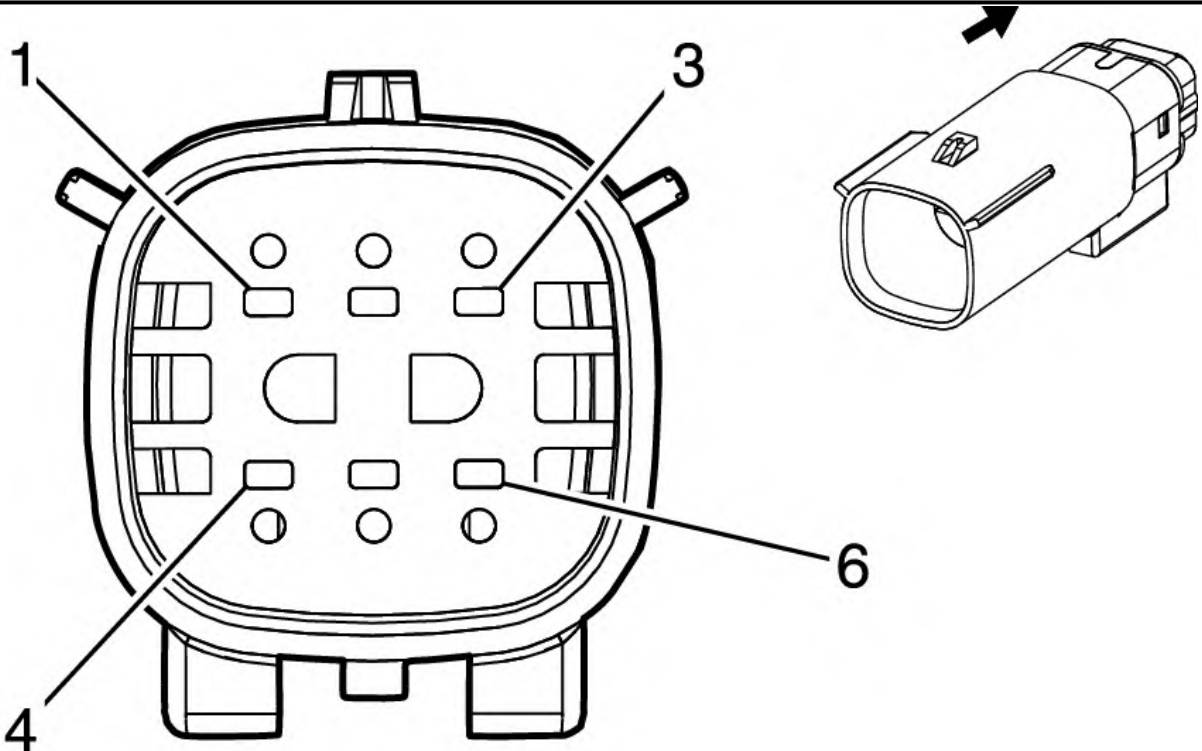
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	RD/GN	1840	I	-	Battery Positive Voltage	1	1	RD/GN	1840	II	M3W
2 - 3	-	-	-	-	-	Not Occupied	2 - 3	-	-	-	-	-
4	0.75	GN/GY	4120	I	-	Local Interconnect Network Serial Data Bus 20	4	0.75	GN/GY	4120	II	M3W

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (W49/(X88+T4F-CZ3))



Connector Part Information



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-0606
- Service Connector: 13578533
- Description: 6-Way F 150 MX Series, Sealed (BK)

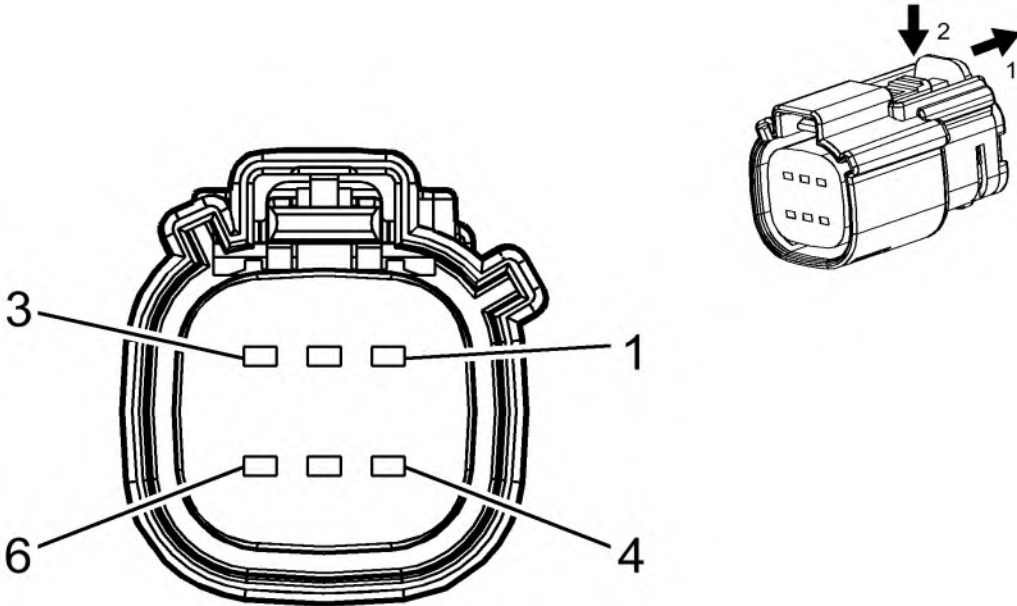
- Harness Type: Right Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

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	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	BK	250	II	-	Ground	1	1	BK	250	III	-
2	1	YE	312	II	-	Right Headlamp Low Beam Control	2	1	YE	312	III	-
3	1	GN	11	II	-	Headlamp High Beam Control	3	1	GN	11	III	-
4	0.5 1.5	GY/BN BK	309 250	II I	4NA CZ3+T4F	Right Park Lamp Control Ground	4	1.5	BK	250	III	-
5	0.5	YE/WH	58	II	-	Right Cornering Lamp Control	5	0.5	YE/WH	58	III	-
6	0.5 0.5	BK GY/BN	250 309	II II	4NA CZ3+T4F	Ground Right Park Lamp Control	6	0.5	GY/BN	309	III	-

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (X88+T4F+CZ3)



Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 33472-0670
- Service Connector: 19366644
- Description: 6-Way F 150 MX Series, Sealed (GY)

Connector Part Information

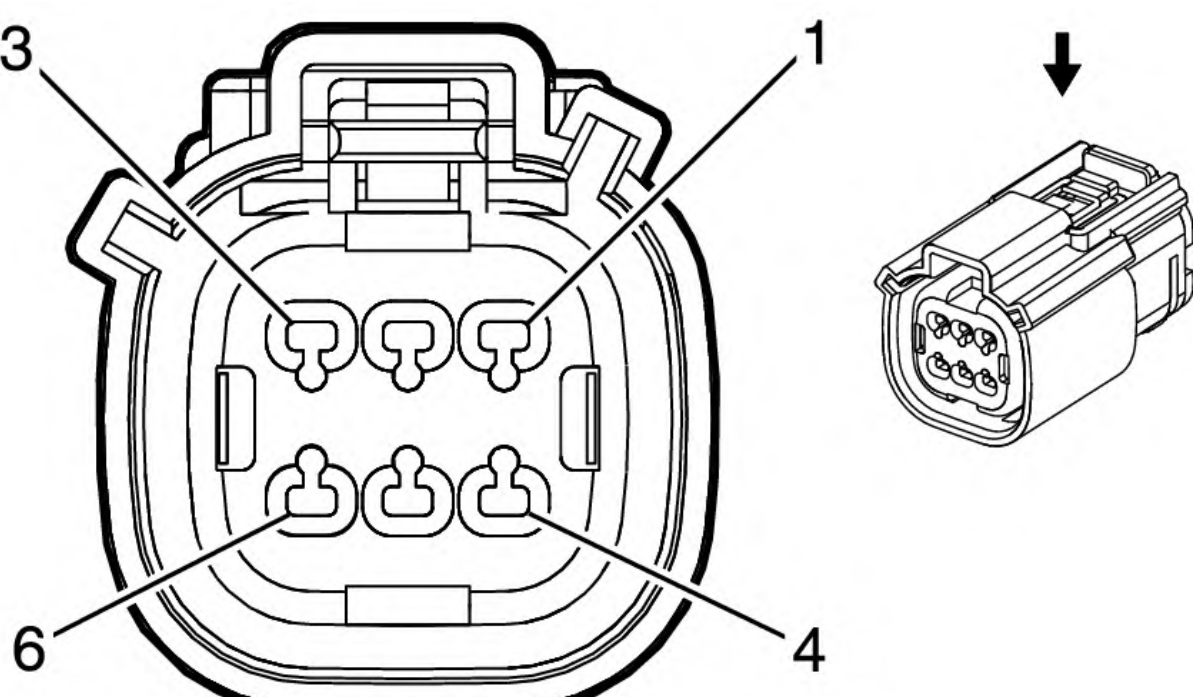
- Harness Type: Right Headlamp
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

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	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

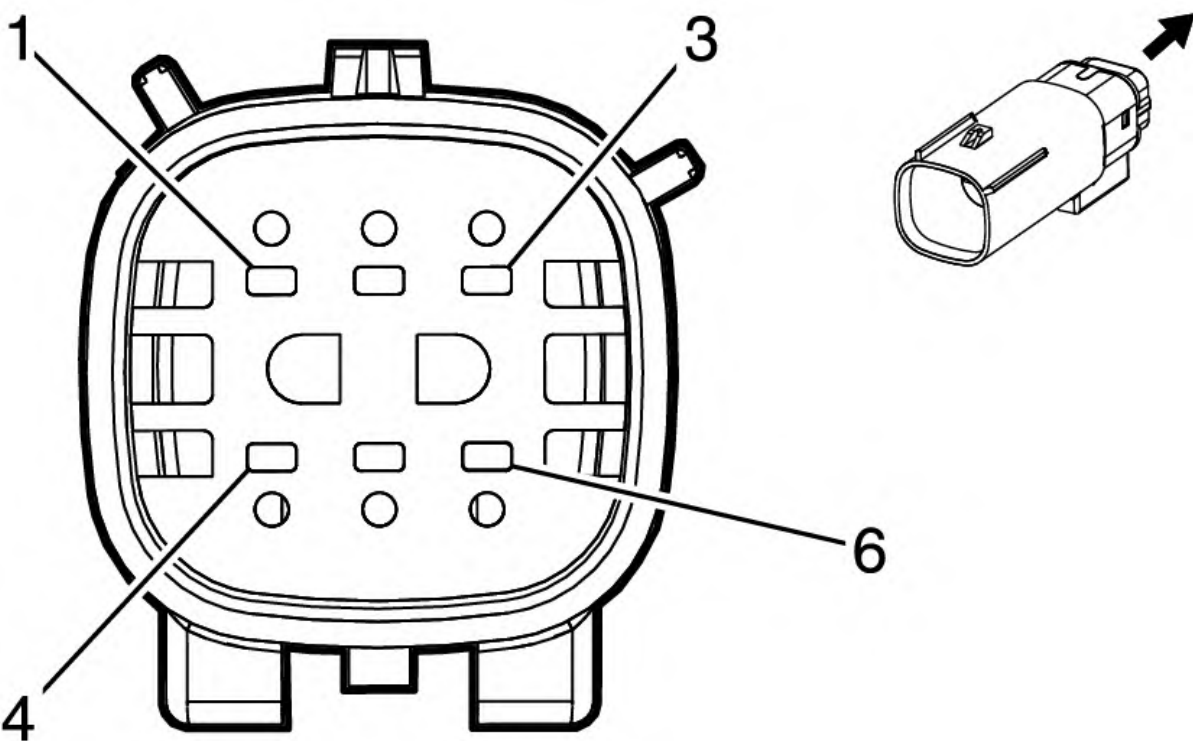
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	250	II	-	Ground	1	1	BK	250	III	-
2	1	YE	312	II	-	Right Headlamp Low Beam Control	2	1	YE	312	III	-
3	1	GN	11	II	-	Headlamp High Beam Control	3	1	GN	11	III	-
4	1.5	BK	250	I	-	Ground	4	1.5	BK	250	III	-
5	0.5	YE/WH	58	II	-	Right Cornering Lamp Control	5	0.5	YE/WH	58	III	-
6	0.5	GY/BN	309	II	-	Right Park Lamp Control	6	0.5	GY/BN	309	III	-

X120 FORWARD LAMP HARNESS TO RIGHT HEADLAMP HARNESS (X88+T4L)



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

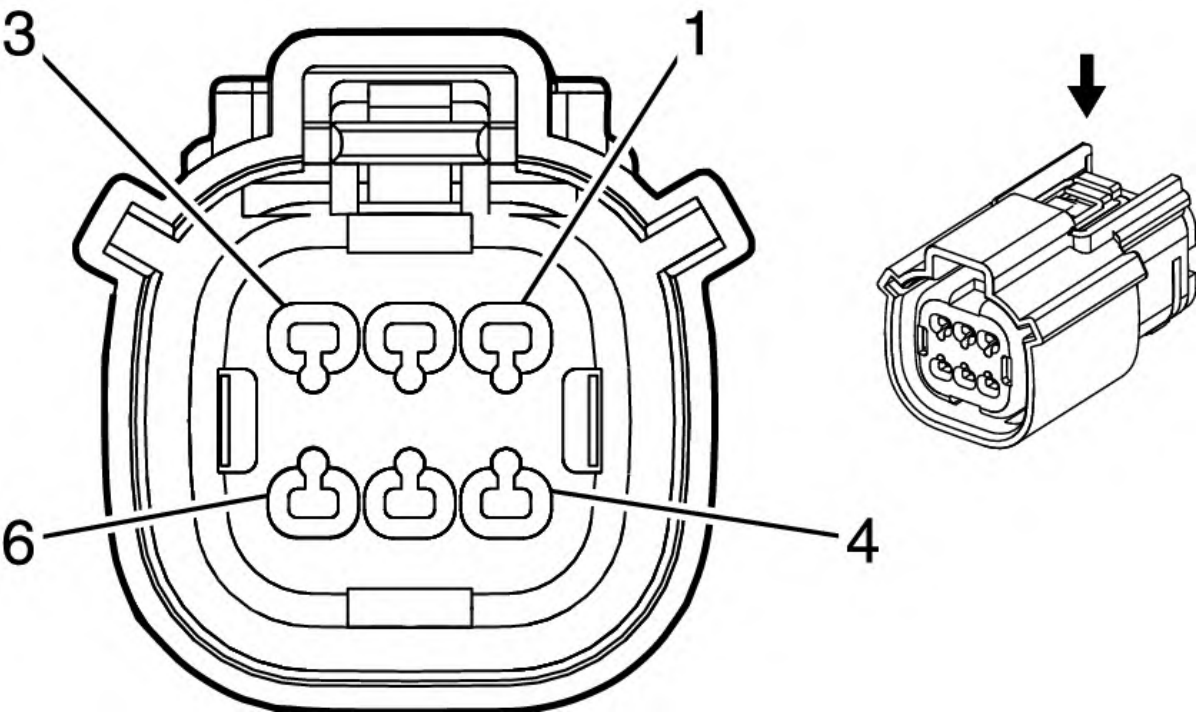
Terminal Part Information

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

Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
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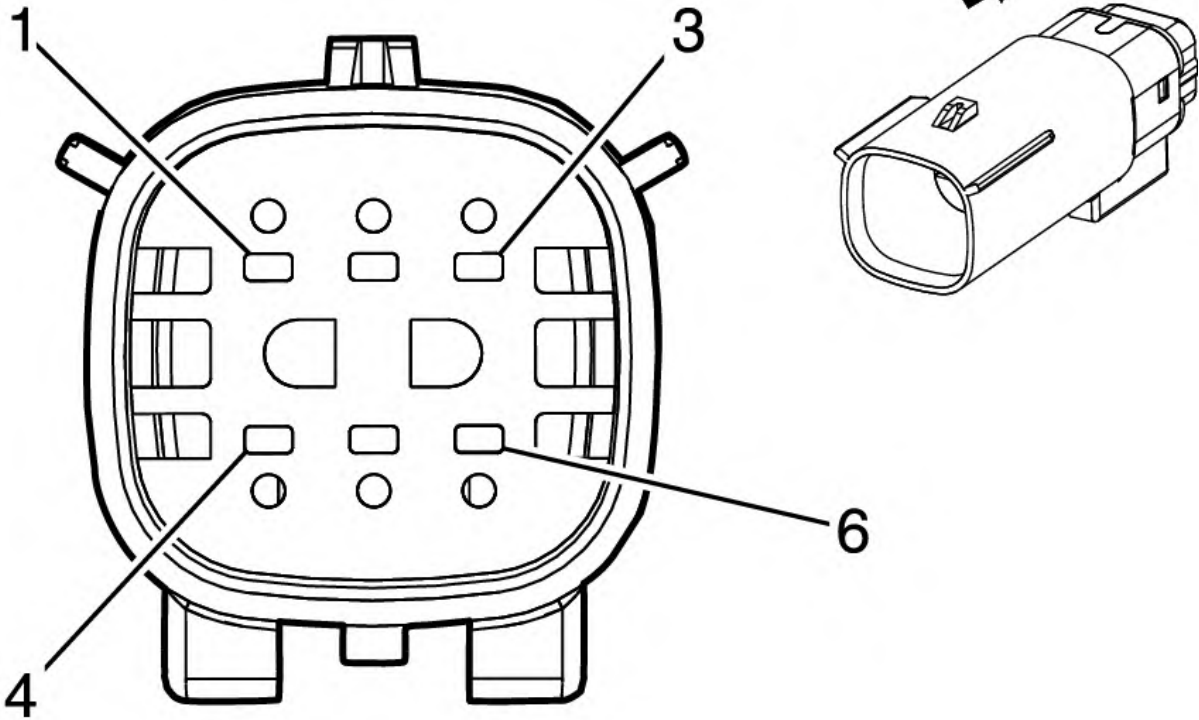
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	1	BK	250	I	-	Ground	1	1	BK	250	II	-
2	1	YE	312	I	-	Right Headlamp Low Beam Control	2	1	YE	312	II	-
3	1	GN	11	I	-	Headlamp High Beam Control	3	1	GN	11	II	-
4	0.5	BK	250	I	-	Ground	4	0.5	BK	250	II	-
5	0.5	YE/WH	58	I	-	Right Cornering Lamp Control	5	0.5	YE/WH	58	II	-
6	0.5	GY/BN	309	I	-	Right Park Lamp Control	6	0.5	GY/BN	309	II	-

X160 ENGINE HARNESS TO FUEL INJECTOR HARNESS (LFY)



Connector Part Information

- Harness Type: Engine
- OEM Connector: 33472-0606
- Service Connector: 13578533
- Description: 6-Way F 150 MX Series, Sealed (BK)



Connector Part Information

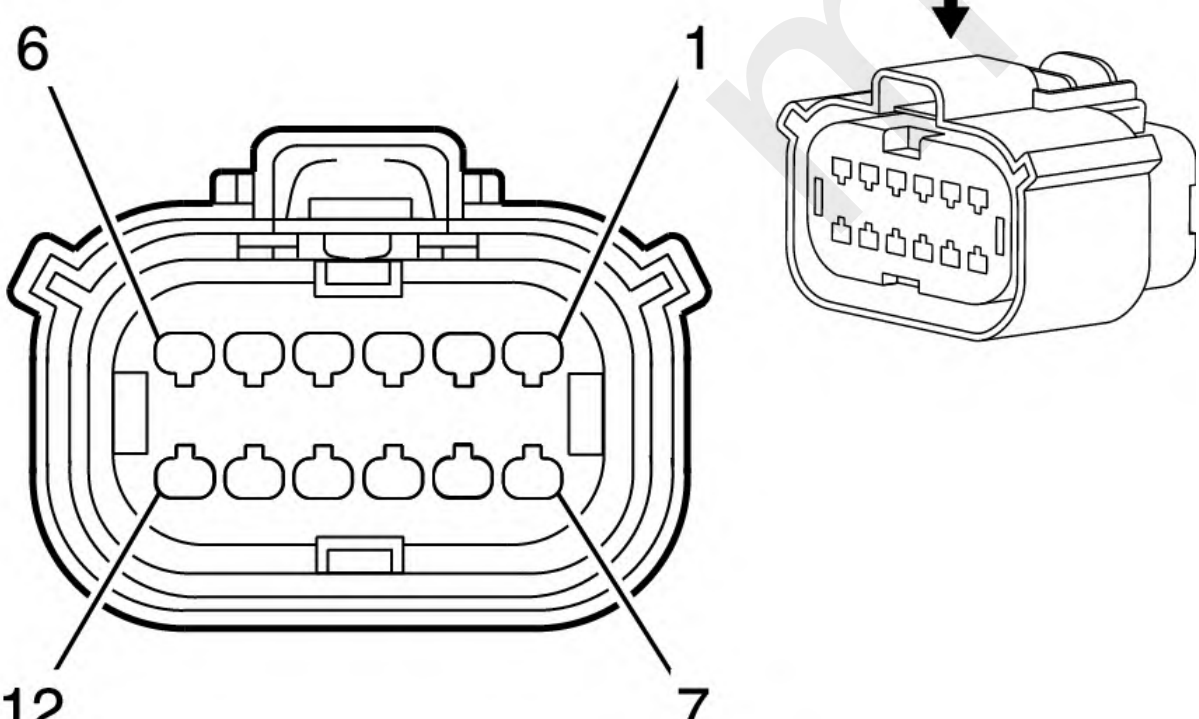
- Harness Type: Fuel Injector
- OEM Connector: Not Available
- Service Connector: Service by Harness - See Part Catalog
- Description: 6-Way M

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-35616-14 (GN)	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

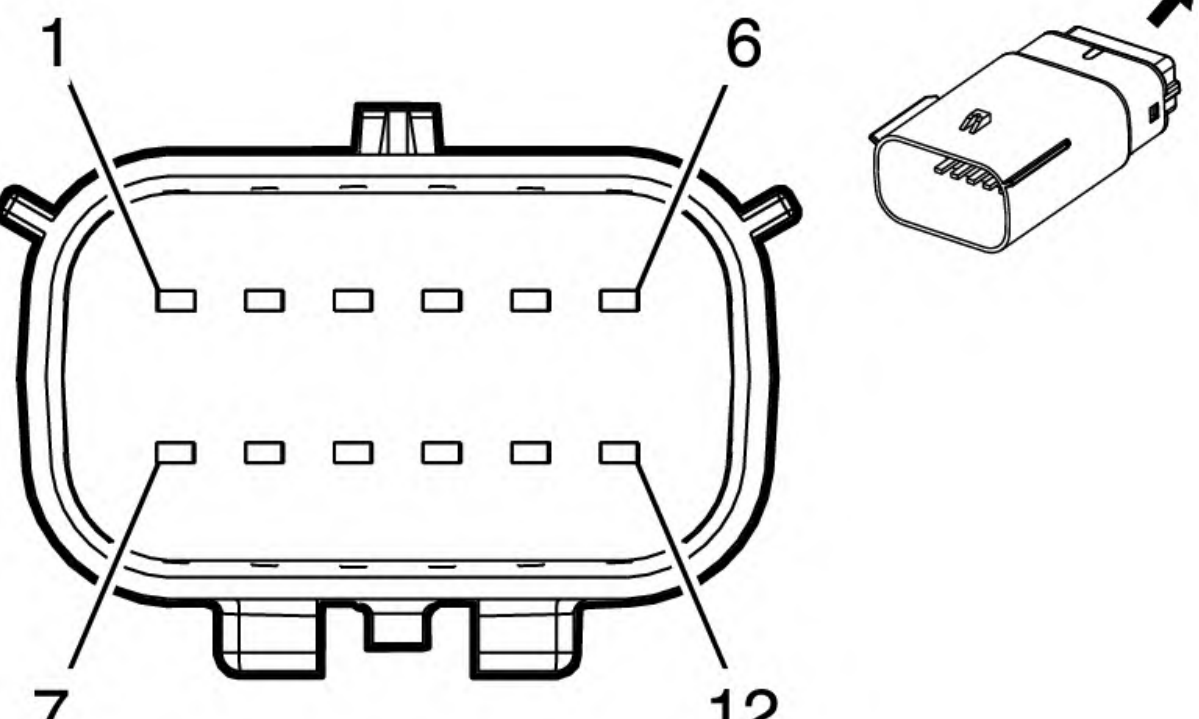
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
1	0.75	BN	4801	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	1	0.75	BN	4801	II	LFY
2	0.75	BN/WH	4901	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	2	0.75	BN/WH	4901	II	LFY
3	0.75	GN	4803	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	GN	4803	II	LFY
4	0.75	GN/GY	4903	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	4	0.75	GN/WH	4903	II	LFY
5	0.75	WH/GN	4805	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 5	5	0.75	GN	4805	II	LFY
6	0.75	GN/WH	4905	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 5	6	0.75	L-GN/WH	4905	II	LFY

X160 ENGINE HARNESS TO FUEL INJECTOR HARNESS (LTG)



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

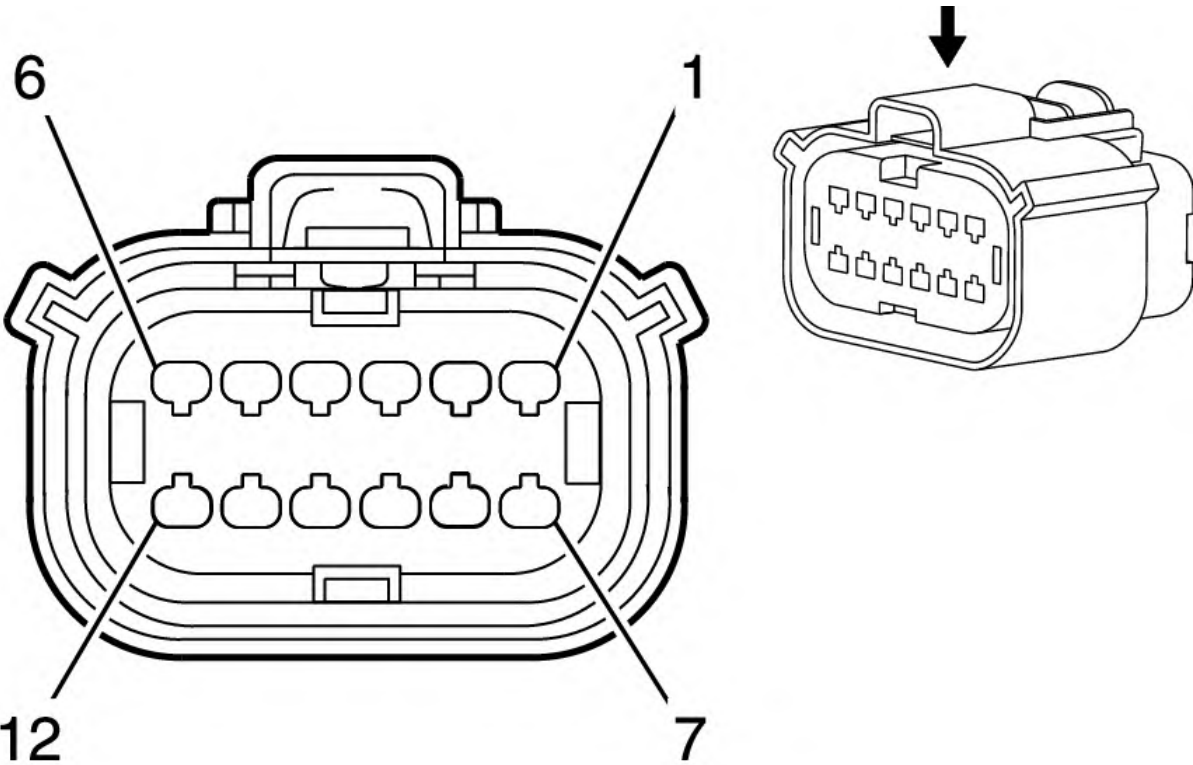
Terminal Part Information

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

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	LTG
2	0.75	BU	4802	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	BU	4802	III	LTG

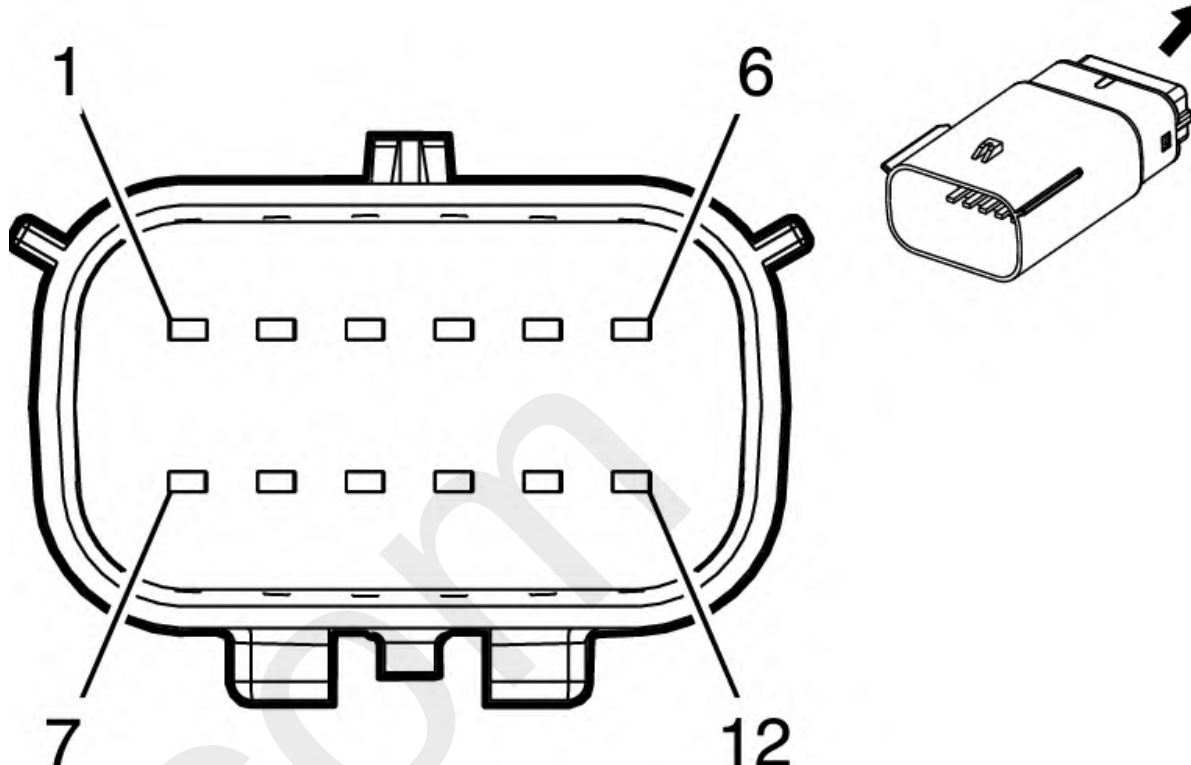
Pin	Size	Color	Circuit	Terminal Type ID	Option	Function	Pin	Size	Color	Circuit	Terminal Type ID	Option
3	0.75	GN	4803	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	3	0.75	GN	4803	III	LTG
4	0.75	GY/BU	4804	I	-	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	4	0.75	GY/BU	4804	III	LTG
5	0.5	BK/GN	2919	II	LTG	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/GN	2919	III	LTG
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	LTG
8	0.75	BU/GY	4902	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	BU/GY	4902	III	LTG
9	0.75	GN/GY	4903	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	9	0.75	GN/GY	4903	III	LTG
10	0.75	BU/WH	4904	I	-	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	10	0.75	BU/WH	4904	III	LTG
11	0.5	BN/RD	2917	II	LTG	Fuel Rail Pressure Sensor 5V Reference	11	0.5	BN/RD	2917	III	LTG
12	0.5	BU/WH	2918	II	LTG	Fuel Rail Pressure Sensor Signal	12	0.5	BU/WH	2918	III	LTG

X161 ENGINE HARNESS TO EVEN FUEL INJECTOR HARNESS



Connector Part Information

- Harness Type: Engine
- OEM Connector: 19178148
- Service Connector: 19178148
- Description: 12-Way F 1.5 Series, Sealed (BK)



Connector Part Information

- Harness Type: Even 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	13578813	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
II	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	-	-	-	-	-	Not Occupied	1	-	-	-	-	-
2	0.75	BU	4802	I	LFY	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	2	0.75	BU	4802	II	LFY
3	0.75	GY/BU	4804	I	LFY	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	3	0.75	GY/BU	4804	II	LFY
4	0.75	VT/GN	4806	I	LFY	Direct Fuel Injector (DFI) High Voltage Control Cylinder 6	4	0.75	VT/GN	4806	II	LFY
5	0.5	BK/GN	2919	I	-	Fuel Rail Pressure Sensor Low Reference	5	0.5	BK/GN	2919	II	LFY
6 - 7	-	-	-	-	-	Not Occupied	6 - 7	-	-	-	-	-
8	0.75	BU/GY	4902	I	LFY	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	8	0.75	BU/GY	4902	II	LFY
9	0.75	BU/WH	4904	I	LFY	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	9	0.75	BU/WH	4904	II	LFY
10	0.75	VT/GY	4906	I	LFY	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 6	10	0.75	VT/GY	4906	II	LFY
11	0.5	BN/RD	2917	I	-	Fuel Rail Pressure Sensor 5V Reference	11	0.5	BN/RD	2917	II	LFY
12	0.5	BU/WH	2918	I	-	Fuel Rail Pressure Sensor Signal	12	0.5	BU/WH	2918	II	LFY