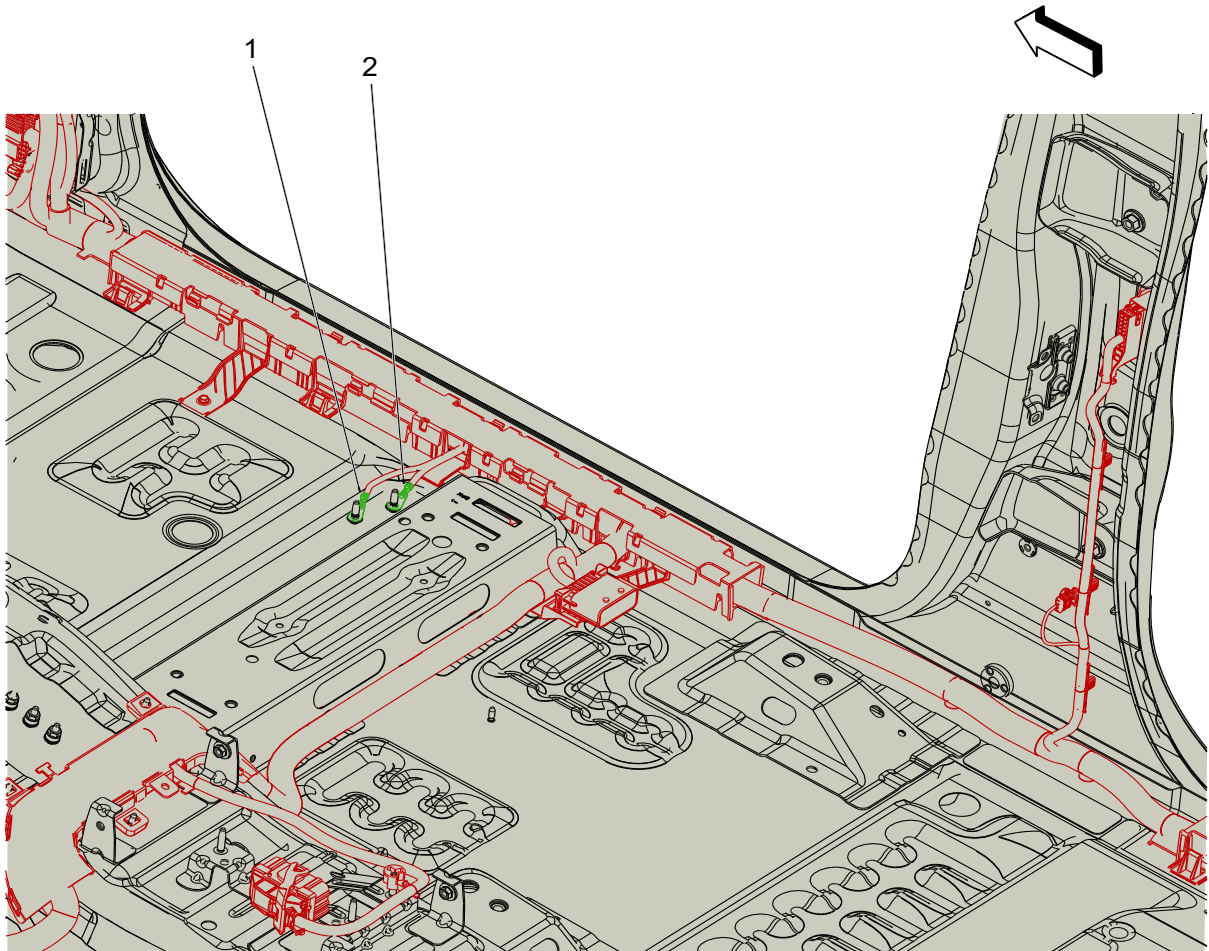


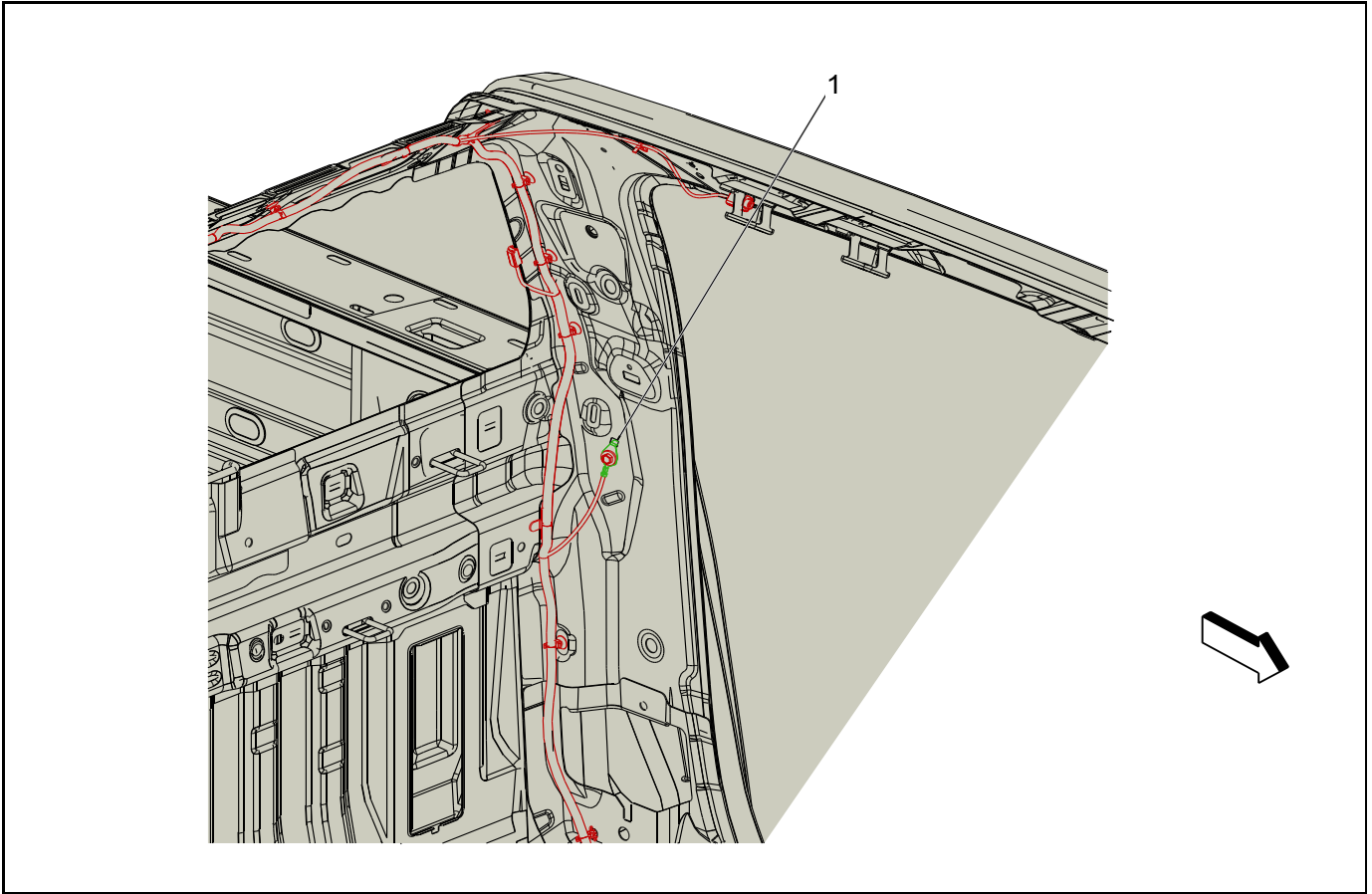
G302 and G304 (Crew Cab)



3932378

Items

- (1) G302 Body Harness
- (2) G304 Body Harness

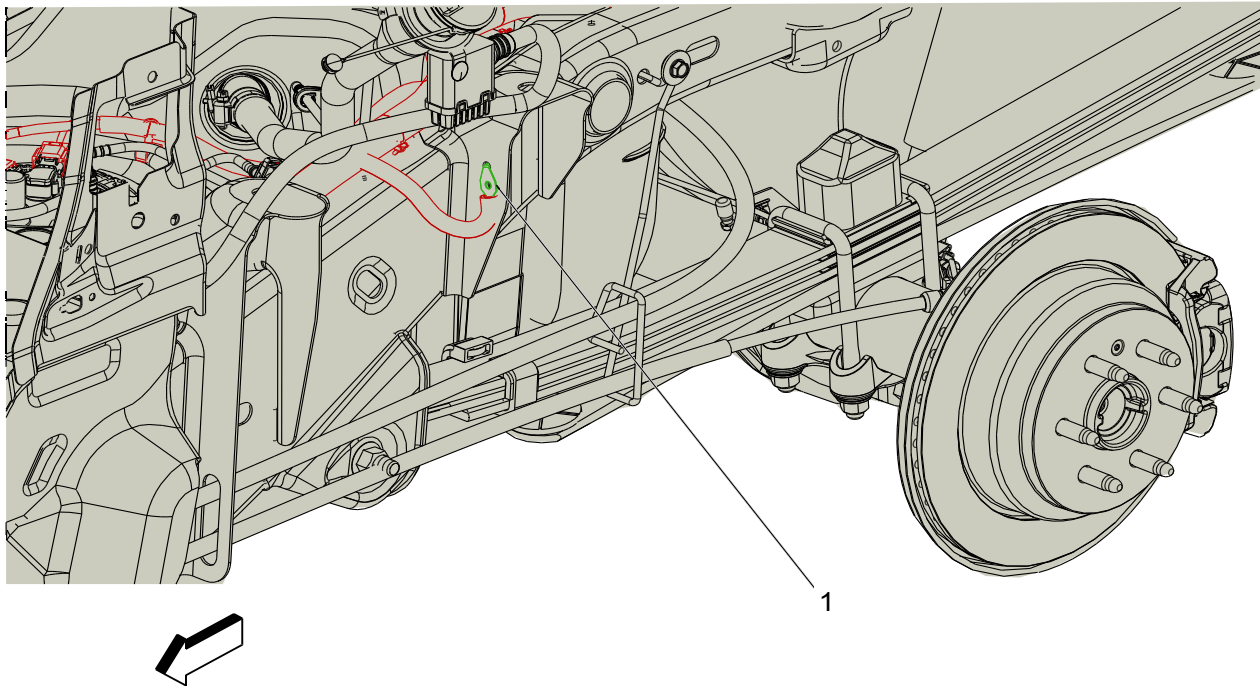
G306 (C49)

3932395

Items

- (1) G306 Body Harness (C49)

G400 (Crew Cab)



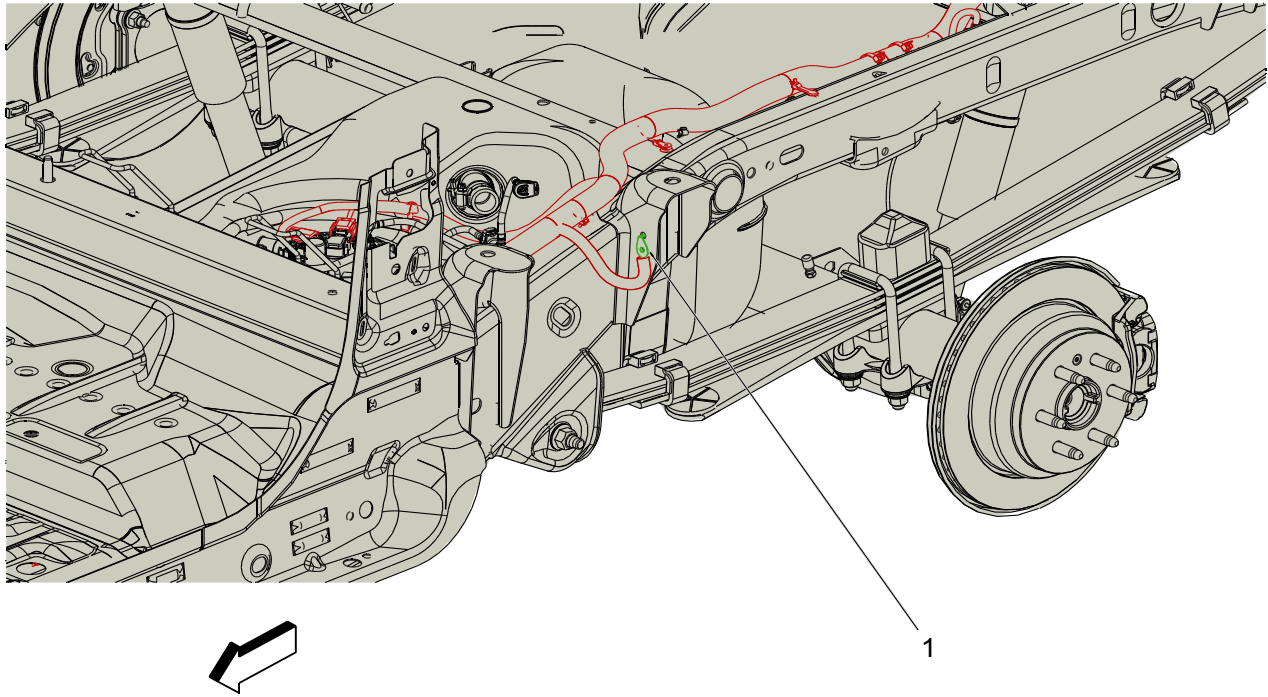
3936641

Items

- (1) G400 Chassis Harness

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G400 (Extended Cab)

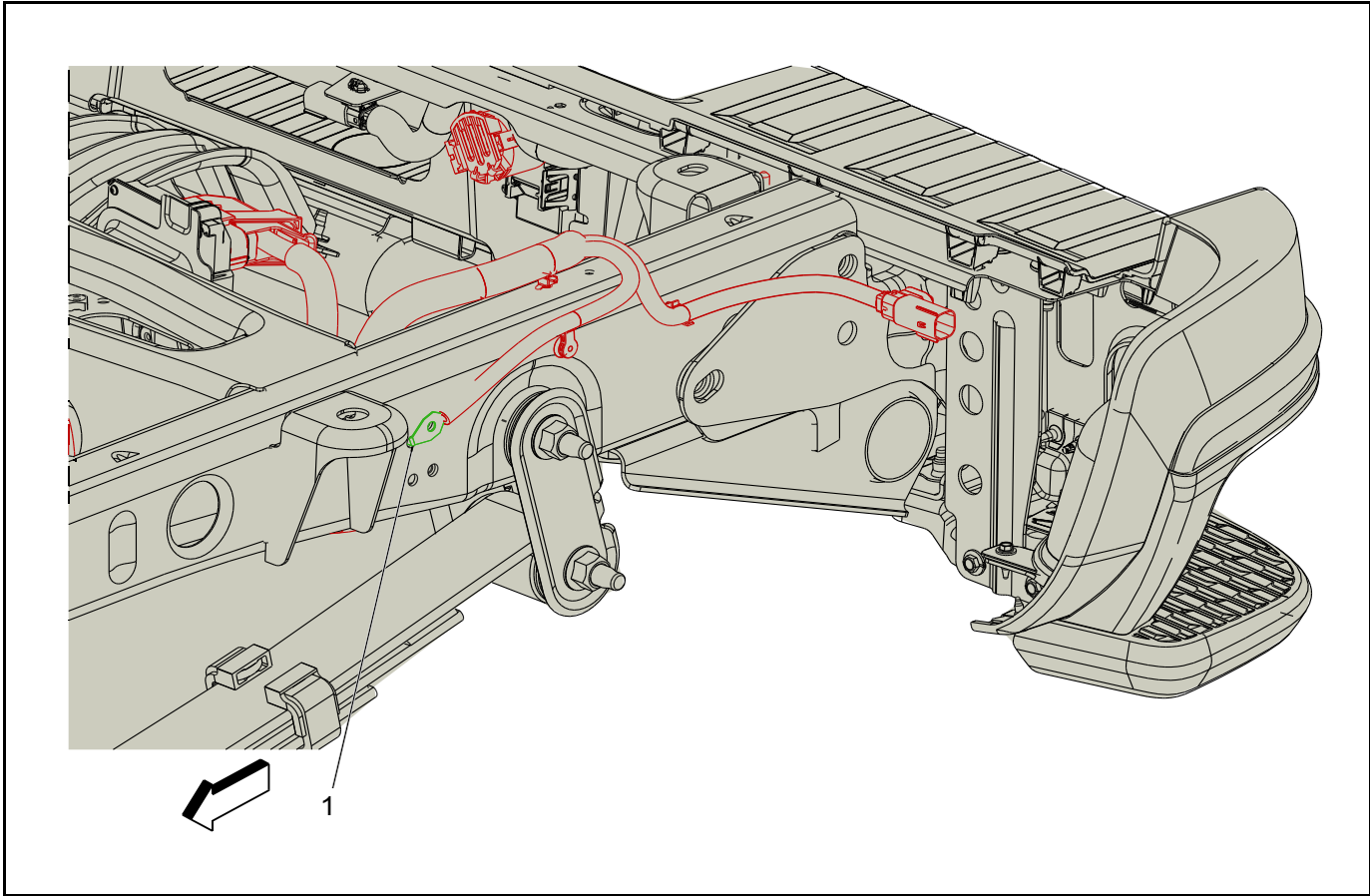


3936674

Items

- (1) G400 Chassis Harness

G401 (Crew Cab)



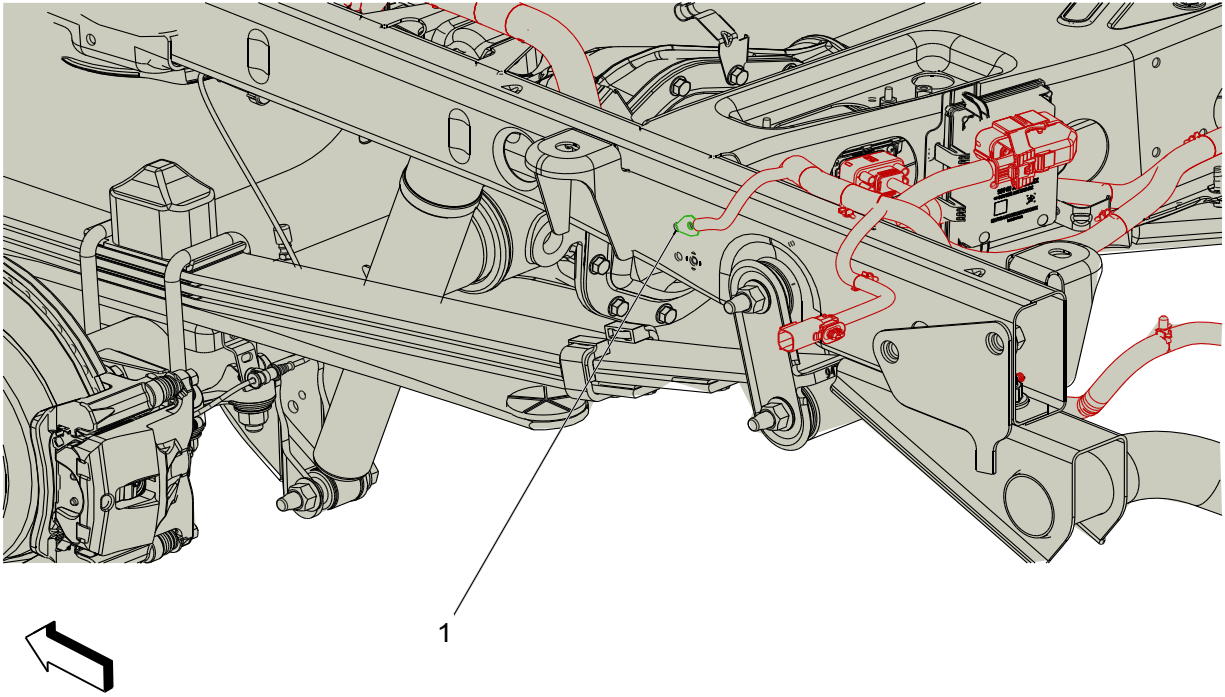
3936649

Items

- (1) G401 Chassis Harness

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G401 (Extended Cab)

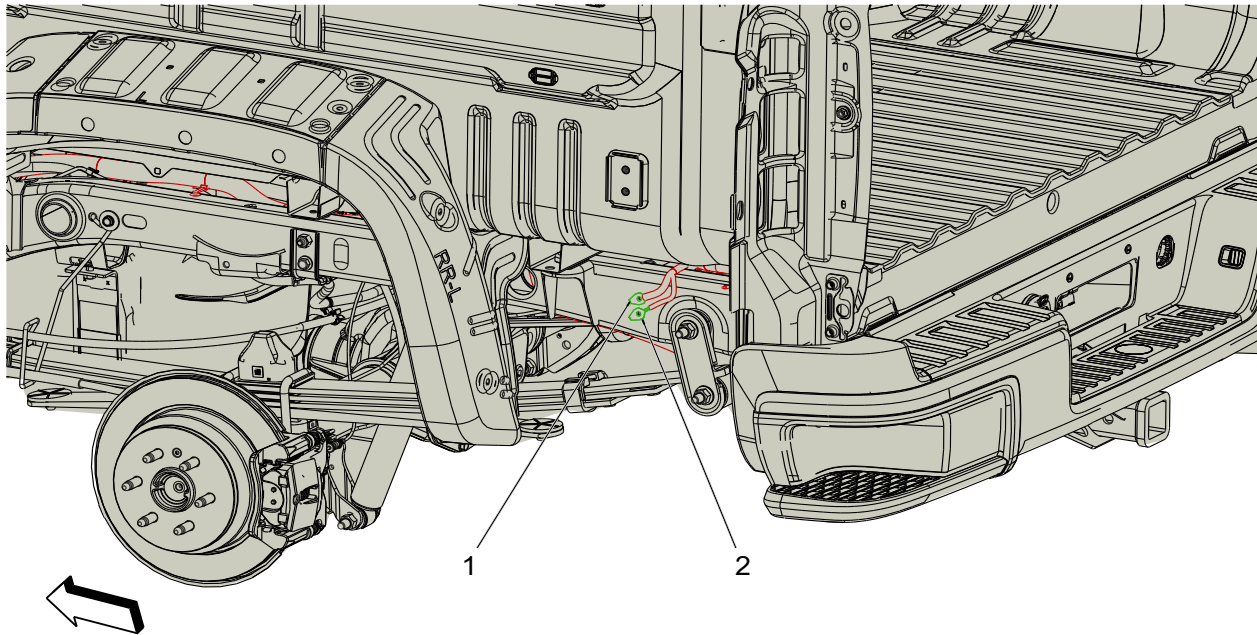


3937092

Items

- (1) G401 Chassis Harness

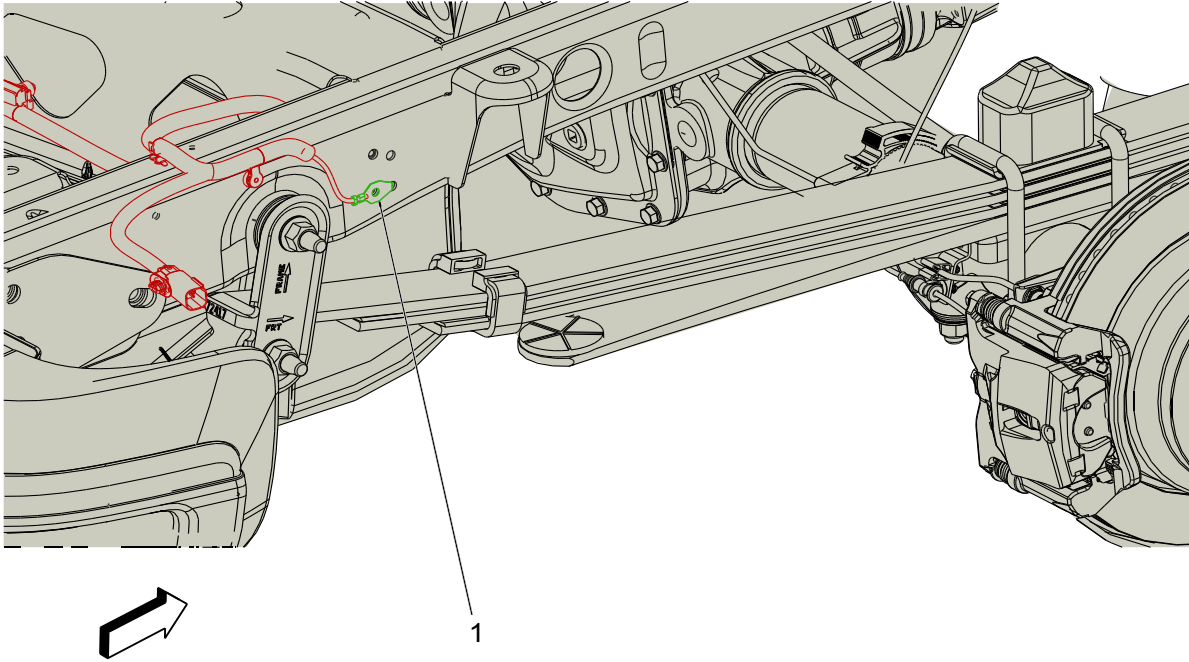
G401 and G404 (LWN)



4122364

Items

- (1) G404 Chassis Harness (LWN)
- (2) G401 Chassis Harness

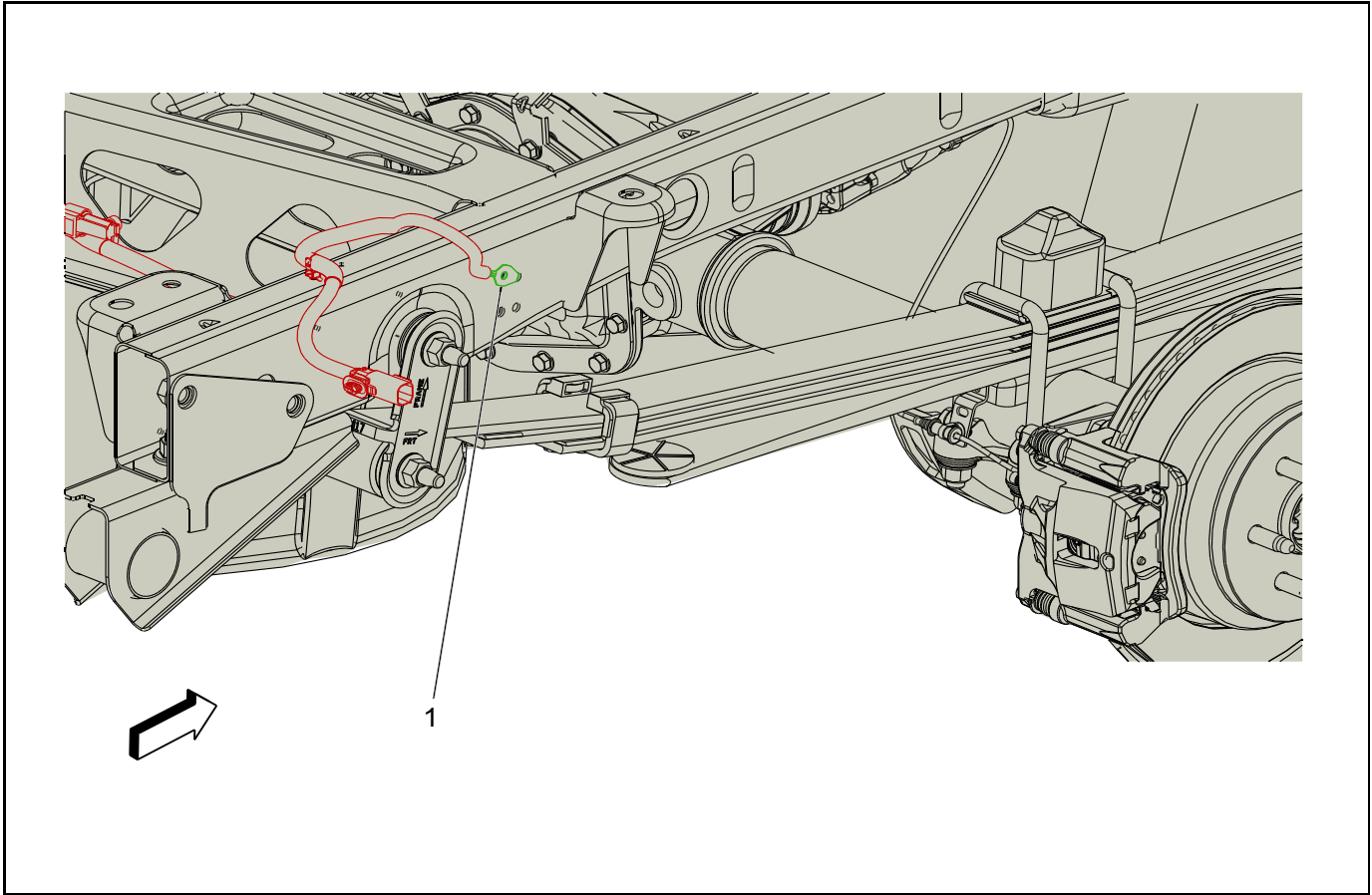
G402 (Crew Cab)

3936652

Items

- (1) G402 Chassis Harness

G402 (Extended Cab)



3937134

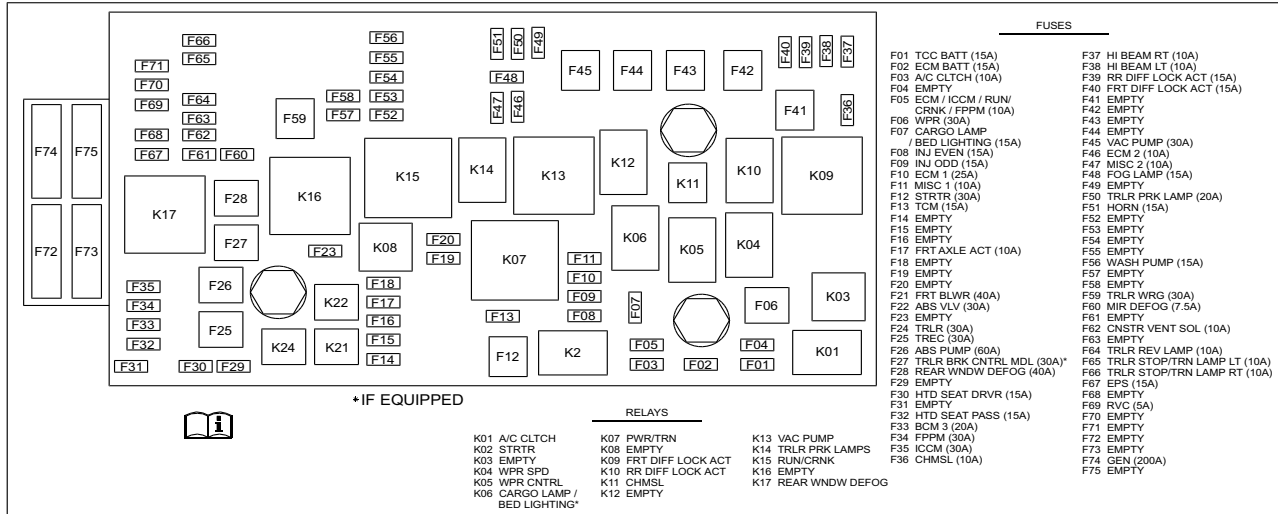
Items

- (1) G402 Chassis Harness

cardiagn.com

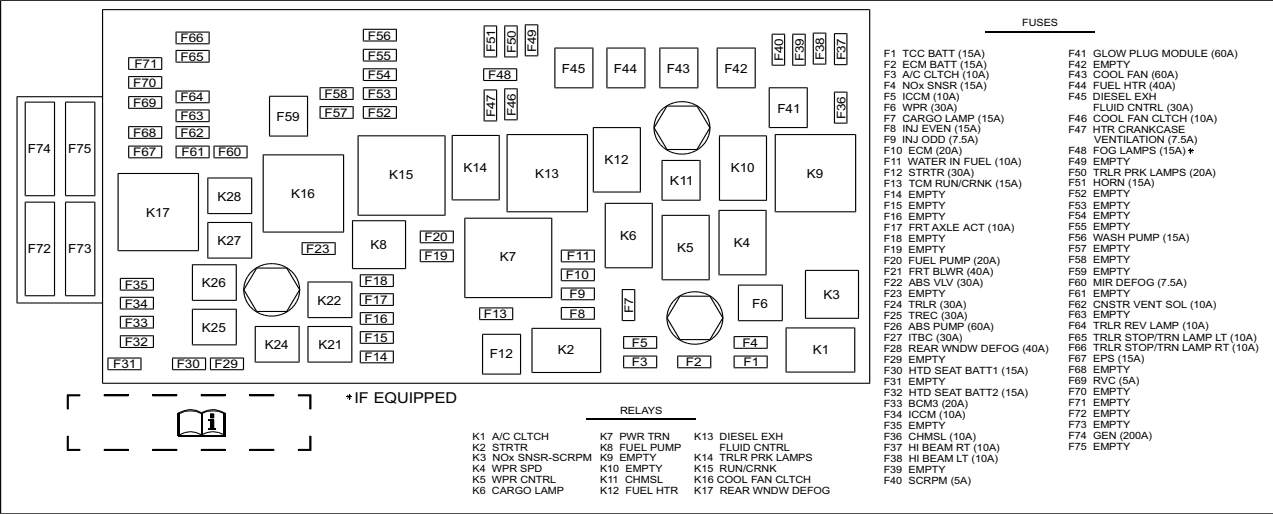
Electrical Center Identification Views

X50A Fuse Block - Underhood Label (LCV/LGZ/Gasoline)

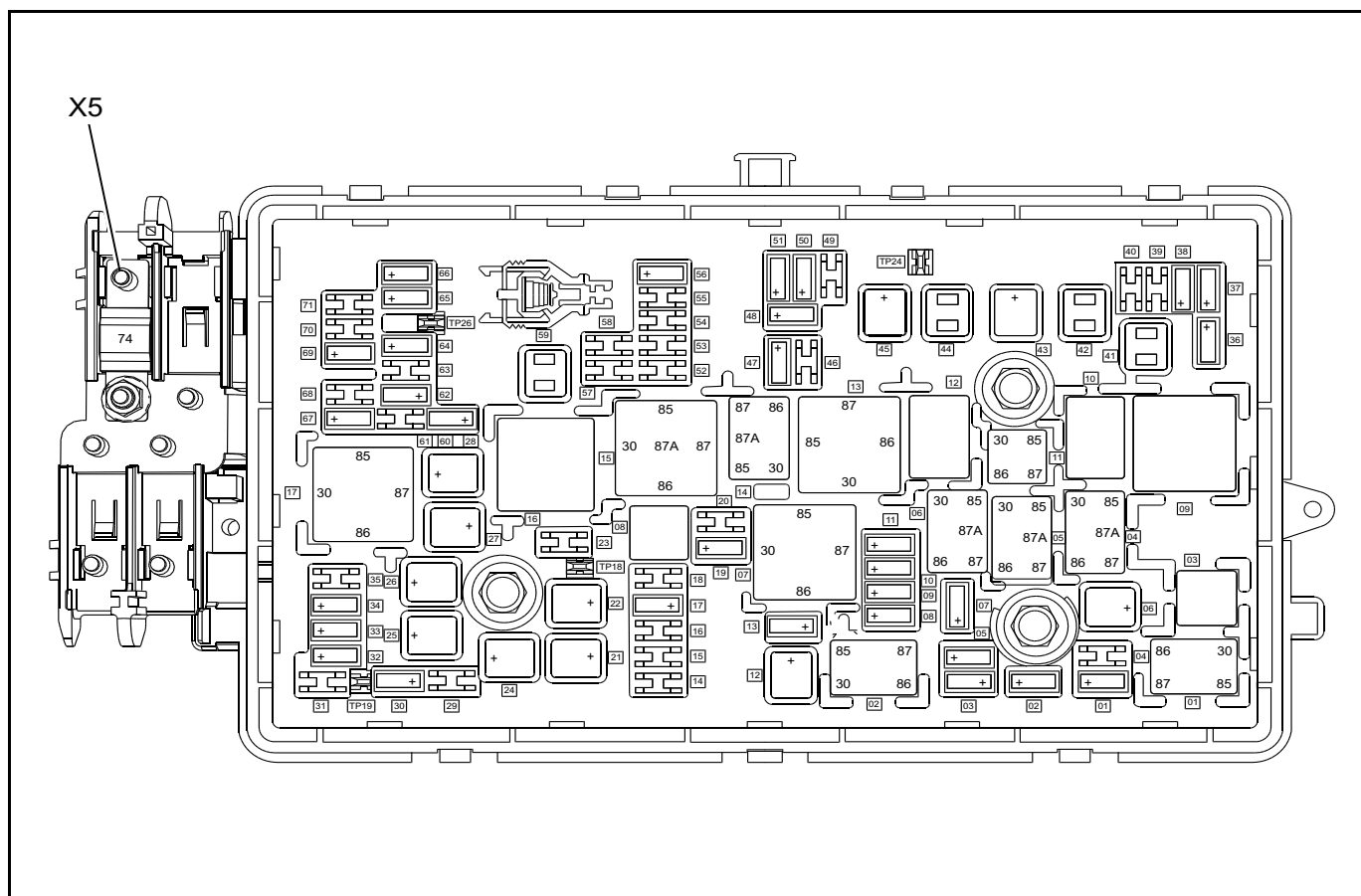


4815958

X50A Fuse Block - Underhood Label (LWN/Diesel)



X50A Fuse Block - Underhood Top View (LCV/LGZ/Gasoline)



4816016

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
F1	TCM BATT	F1UA	15A	• K71 Transmission Control Module (MYB) • Q8 Control Solenoid Valve Assembly (MYB)
F2	ECM BATT	F2UA	15A	• K20 Engine Control Module
F3	A/C CLTCH	F3UA	10A	• KR29 A/C Compressor Clutch Relay • Q2 A/C Compressor Clutch
F4	EMPTY	F4UA	—	• Not Used
F5	FUEL MDL RUN/CRNK	F5UA	10A	• K20 Engine Control Module • K38 Chassis Control Module • K71 Transmission Control Module (MYB) • K111 Fuel Pump Driver Control Module • Q8 Control Solenoid Valve Assembly (MYB)
F6	WPR	F6UA	30A	• KR12B Windshield Wiper Relay • KR12C Windshield Wiper Speed Control Relay
F7	CARGO LAMP	F7UA	15A	• KR112 Cargo Lamp Relay
F8	INJ EVEN	F8UA	15A	• K20 Engine Control Module (LGZ) • T8B Ignition Coil 2 (LGZ) • T8D Ignition Coil 4 (LGZ) • T8F Ignition Coil 6 (LGZ)

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F9	INJ ODD	F9UA	15A	• K20 Engine Control Module • T8A Ignition Coil 1 (LCV) • T8A Ignition Coil 1 (LGZ) • T8B Ignition Coil 2 (LCV) • T8C Ignition Coil 3 (LCV) • T8C Ignition Coil 3 (LGZ) • T8D Ignition Coil 4 (LCV) • T8E Ignition Coil 5 (LGZ)
F10	ECM	F10UA	20A	• K20 Engine Control Module
F11	MISC 1	F11UA	10A	• B52B Heated Oxygen Sensor 2 (LCV) • B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LGZ) • B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LGZ) • B75C Multifunction Intake Air Sensor • K20 Engine Control Module
F12	STRTR	F12UA	30A	• KR27 Starter Relay
F13	TCM	F13UA	15A	• K71 Transmission Control Module (MYB)
F14	EMPTY	F14UA	—	• Not Used
F15	EMPTY	F15UA	—	• Not Used
F16	EMPTY	F16UA	—	• Not Used
F17	FRT AXLE ACT	F17UA	10A	• M26 Front Axle Engagement Actuator (NQ6/NQ7)
F18	EMPTY	F18UA	—	• Not Used
F19	AERO SHTR	F19UA	10A	• M96 Active Grille Air Shutter Actuator
F20	EMPTY	F20UA	—	• Not Used
F21	FRT BLWR	F21UA	40A	• K8 Blower Motor Control Module
F22	ABS VLV	F22UA	30A	• K17 Electronic Brake Control Module
F23	EMPTY	F23UA	—	• Not Used
F24	TRLR	F24UA	30A	• W8 Blunt Cut - Trailer Provision • X88 Trailer Connector (Z82)
F25	TREC	F25UA	30A	• A16 Transfer Case Motor (NQ6/NQ7) • K69 Transfer Case Control Module (NQ6/NQ7)
F26	ABS PUMP	F26UA	60A	• K17 Electronic Brake Control Module
F27	TRLR BRK CNTRL MDL	F27UA	30A	• K133 Trailer Brake Power Control module (Z82) • W24 Blunt Cut - Trailer Brakes Provision (Z82)
F28	REAR WNDW DEFOG	F28UA	40A	• F63UA • E18 Rear Defogger Grid (C49)
F29	EMPTY	F29UA	—	• Not Used
F30	HTD SEAT BATT1	F30UA	15A	• K29 Seat Heating Control Module (KA1)
F31	EMPTY	F31UA	—	• Not Used
F32	HTD SEAT BATT2	F32UA	15A	• K29 Seat Heating Control Module (KA1)
F33	BCM 3	F33UA	20A	• K9 Body Control Module
F34	FSCM	F34UA	30A	• K111 Fuel Pump Driver Control Module (LCV)
F35	FSCM	F35UA	30A	• K38 Chassis Control Module (LGZ)
F36	CHMSL	F36UA	10A	• KR41 Center High Mounted Stop Lamp Relay
F37	HI BEAM RT	F37UA	10A	• E4F Headlamp – Right High Beam
F38	HI BEAM LT	F38UA	10A	• E4E Headlamp – Left High Beam

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F39	RR DIFF LOCK ACT	F39UA	15A	• Rear Differential Lock Control Actuator
F40	FRT DIFF LOCK ACT	F40UA	15A	• Front Differential Lock Control Actuator
F41	EMPTY	F41UA	—	• Not Used
F42	EMPTY	F42UA	—	• Not Used
F43	COOL FAN	F43UA	60A	• K22 Cooling Fan Control Module
F44	EMPTY	F44UA	—	• Not Used
F45	VAC PUMP	F45UA	30A	• KR14 Brake Booster Pump Motor Relay (LGZ)
F46	EMPTY	F46UA	—	• K20 Engine Control Module (LGZ)
F47	MISC 2	F47UA	10A	• B52A Heated Oxygen Sensor 1 (LCV) • B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LGZ) • B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LGZ) • E41 Engine Coolant Thermostat Heater (LCV) • K20 Engine Control Module (LCV) • Q12 Evaporative Emission Purge Solenoid Valve • Q44 Engine Oil Pressure Control Solenoid Valve (LCV) • Q83A Valve Lifter Oil Solenoid Valve Bank 1 (LGZ) • Q83B Valve Lifter Oil Solenoid Valve Bank 2 (LGZ) • Q84A Camshaft Position Actuator Park Lock Solenoid Valve - Bank 1 Intake (LGZ) • Q84B Camshaft Position Actuator park Lock Solenoid Valve - Bank 2 Intake (LGZ)
F48	FOG LAMP	F48UA	15A	• E29LF Fog Lamp – Left Front (T3U) • E29RF Fog Lamp – Right Front (T3U)
F49	EMPTY	F49UA	—	• Not Used
F50	TRLR PRK LAMP	F50UA	20A	• W8 Blunt Cut - Trailer Provision • X88 Trailer Connector (Z82)
F51	HORN	F51UA	15A	• P13 Horn Assembly
F52	EMPTY	F52UA	—	• Not Used
F53	EMPTY	F53UA	—	• Not Used
F54	EMPTY	F54UA	—	• Not Used
F55	EMPTY	F55UA	—	• Not Used
F56	WASH PUMP	F56UA	15A	• G24 Windshield Washer Pump
F57	EMPTY	F57UA	—	• Not Used
F58	EMPTY	F58UA	—	• Not Used
F59	EMPTY	F59UA	—	• Not Used
F60	MIR DEFOG	F60UA	7.5A	• E17D Outside Rearview Mirror Glass – Driver (DL9) • E17P Outside Rearview Mirror Glass – Passenger (DL9)
F61	EMPTY	F61UA	—	• Not Used
F62	CNSTR VENT SOL	F62UA	10A	• Q13 Evaporative Emission Vent Solenoid Valve
F63	EMPTY	F63UA	—	• Not Used
F64	TRLR REV LAMP	F64UA	10A	• KR61 Trailer Backup Lamps Relay

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F65	TRLR STOP/TRN LAMP LT	F65UA	10A	- W8 Blunt Cut - Trailer Provision - X88 Trailer Connector (Z82)
F66	TRLR STOP/TRN LAMP RT	F66UA	10A	KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F67	EPS	F67UA	15A	K43 Power Steering Control Module
F68	EMPTY	F68UA	—	Not Used
F69	RVC	F69UA	5A	K9 Body Control Module
F70	EMPTY	F70UA	—	Not Used
F71	EMPTY	F71UA	—	Not Used
F72	EMPTY	F72UB	—	Not Used
F73	EMPTY	F73UB	—	Not Used
F74	GEN	F74UB	200A	G13 Generator
F75	EMPTY	F75UB	—	Not Used
Relays				
K1	A/C CLTCH	KR29 A/C Compressor Clutch Relay	—	Q2 A/C Compressor Clutch
K2	STRTR	KR27 Starter Relay	—	M64 Starter Motor
K3	EMPTY	—	—	Not Used
K4	WPR SPD	KR12C Windshield Wiper Speed Control Relay	—	M75 Windshield Wiper Motor
K5	WPR CNTRL	KR12B Windshield Wiper Relay	—	M75 Windshield Wiper Motor
K6	CARGO LAMP	KR112 Cargo Lamp Relay	—	E6 Center High Mounted Stop Lamp
K7	PWR TRN	KR75 Engine Controls Ignition Relay	—	- F8UA - F9UA - F10UA - F11UA - F47UA - KR29 A/C Compressor Clutch Relay
K8	EMPTY	—	—	Not Used
K9	FRT DIFF LOCK ACT	KR175A Front Differential Lock Actuator High Control Relay	—	- Q9F Differential Lock Actuator - Front - K38A Chassis Control Module - Auxiliary
K10	RR DIFF LOCK ACT	KR176A Rear Differential Lock Actuator High Control Relay	—	- Q9R Differential Lock Actuator - Rear - K38A Chassis Control Module - Auxiliary
K11	CHMSL	KR41 Center High Mounted Stop Lamp Relay	—	E6 Center High Mounted Stop Lamp
K12	EMPTY	—	—	Not Used
K13	VAC PUMP	KR14 Brake Booster Pump Motor Relay	—	M9 Brake Booster Pump Motor (LGZ)
K14	PRK LAMPS	KR125 Trailer Park Lamps Relay	—	F50UA

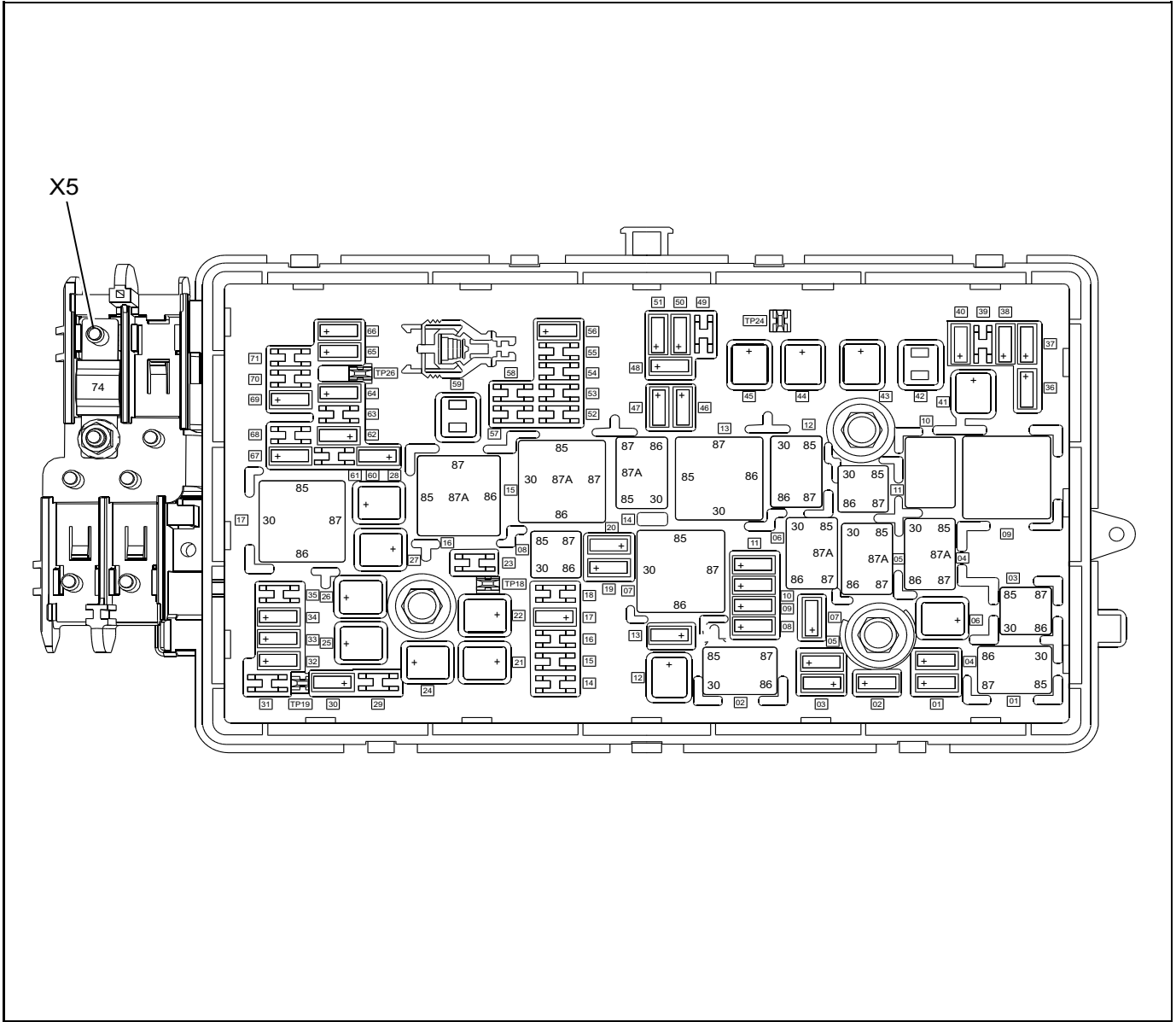
Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
K15	RUN/CRNK	KR73 Ignition Main Relay	—	• F5UA • F13UA • F16UA • F17UA • F18UA • F19UA • F52UA • F53UA • F54UA • F57UA
K16	EMPTY	—	—	• Not Used
K17	REAR WNDW DEFOG	KR5 Rear Defogger Relay	—	• F28UA • F60UA • F63UA • E17D Outside Rearview Mirror Glass – Driver (DL9) • E17P Outside Rearview Mirror Glass – Passenger (DL9) • E18 Rear Defogger Grid (C49)
Note: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.				
—	—	KR3 Horn Relay	—	• F51UA
—	—	KR11 Windshield Washer Pump Relay	—	• F56UA
—	—	KR46 Front Fog Lamp Relay	—	• F48UA
—	—	KR48 Headlamp High Beam Relay	—	• F37UA • F38UA
—	—	KR61 Trailer Backup Lamps Relay	—	• P3 Backup Alarm (8S3) • W8 Blunt Cut - Trailer Provision • X88 Trailer Connector (Z82)
—	—	KR63L Trailer Stop/Turn Signal Lamp Relay - Left	—	• F65UA • X88 Trailer Connector (Z82) • W8 Blunt Cut - Trailer Provision
—	—	KR63R Trailer Stop/Turn Signal Lamp Relay - Right	—	• W8 Blunt Cut - Trailer Provision • X88 Trailer Connector (Z82)
—	—	KR113 Child Security Lock Disable Relay	—	• A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A23RR Door Latch Assembly - Right Rear
—	—	KR175B Front Differential Lock Actuator Low Control Relay	—	• Q9F Differential Lock Actuator - Front • K38A Chassis Control Module - Auxiliary
—	—	KR176B Rear Differential Lock Actuator Low Control Relay	—	• Q9R Differential Lock Actuator - Rear • K38A Chassis Control Module - Auxiliary
Note: Items listed below are diagnostic testing points.				
TP19	—	TP19	—	• Not Used
Note: Items listed below are Door Lock/Indicator system diagnostic testing points.				
TP18	CKT 3271	TP18	—	• KR113 Child Security Lock Disable Relay

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
Note: Items listed below are Trailer Connector/Provision system diagnostic testing points.				
TP24	CKT 1619	TP24	—	• KR63R Trailer Stop/Turn Signal Lamp Relay - Right
TP26	CKT 1624	TP26	—	• KR61 Trailer Backup Lamps Relay

X50A Fuse Block - Underhood Top View (LWN/Diesel)



4102622

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
F1	TCM BATT	F1UA	15A	• K71 Transmission Control Module (MYB) • Q8 Control Solenoid Valve Assembly (MYB)
F2	ECM BATT	F2UA	15A	• K20 Engine Control Module

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F3	A/C CLTCH	F3UA	10A	• KR29 A/C Compressor Clutch Relay • Q2 A/C Compressor Clutch
F4	NOx SNSR	F4UA	15A	• B136 Exhaust Particulate Matter Sensor (LWN) • B195A Nitrogen Oxides Sensor 1 (LWN) • B195B Nitrogen Oxides Sensor 2 (LWN)
F5	ICCM	F5UA	10A	• B116 Water in Fuel Sensor • K20 Engine Control Module • K71 Transmission Control Module (MYB) • Q8 Control Solenoid Valve Assembly (MYB)
F6	WPR	F6UA	30A	• KR12B Windshield Wiper Relay • KR12C Windshield Wiper Speed Control Relay
F7	CARGO LAMP	F7UA	15A	• KR112 Cargo Lamp Relay
F8	INJ EVEN	F8UA	15A	• K20 Engine Control Module
F9	INJ ODD	F9UA	7.5A	• K20 Engine Control Module
F10	ECM	F10UA	20A	• K20 Engine Control Module
F11	WATER IN FUEL	F11UA	10A	• B75C Multifunction Intake Air Sensor
F12	STRTR	F12UA	30A	• KR27 Starter Relay
F13	TCM RUN/CRNK	F13UA	15A	• K71 Transmission Control Module (MYB) • Q8 Control Solenoid Valve Assembly (MYB)
F14	EMPTY	F14UA	—	• Not Used
F15	EMPTY	F15UA	—	• Not Used
F16	EMPTY	F16UA	—	• Not Used
F17	FRT AXLE ACT	F17UA	10A	• M26 Front Axle Engagement Actuator (NQ6/NQ7)
F18	EMPTY	F18UA	—	• Not Used
F19	EMPTY	F19UA	—	• Not Used
F20	FUEL PUMP	F20UA	20A	• KR23A Fuel Pump Relay
F21	FRT BLWR	F21UA	40A	• K8 Blower Motor Control Module
F22	ABS VLV	F22UA	30A	• K17 Electronic Brake Control Module
F23	EMPTY	F23UA	—	• Not Used
F24	TRLR	F24UA	30A	• X88 Trailer Connector (Z82)
F25	TREC	F25UA	30A	• A16 Transfer Case Motor (NQ6/NQ7) • K69 Transfer Case Control Module (NQ6/NQ7)
F26	ABS PUMP	F26UA	60A	• K17 Electronic Brake Control Module
F27	ITBC	F27UA	30A	• K133 Trailer Brake Power Control module (Z82) • W24 Blunt Cut - Trailer Brakes Provision (Z82)
F28	REAR WNDW DEFOG	F28UA	40A	• F63UA • E18 Rear Defogger Grid (C49)
F29	EMPTY	F29UA	—	• Not Used
F30	HTD SEAT BATT1	F30UA	15A	• K29 Seat Heating Control Module (KA1)
F31	EMPTY	F31UA	—	• Not Used
F32	HTD SEAT BATT2	F32UA	15A	• K29 Seat Heating Control Module (KA1)
F33	BCM 3	F33UA	20A	• K9 Body Control Module
F34	ICCM	F34UA	10A	• K38 Chassis Control Module
F35	EMPTY	F35UA	—	• Not Used
F36	CHMSL	F36UA	10A	• KR41 Center High Mounted Stop Lamp Relay

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F37	HI BEAM RT	F37UA	10A	• E4F Headlamp – Right High Beam
F38	HI BEAM LT	F38UA	10A	• E4E Headlamp – Left High Beam
F39	EMPTY	F39UA	—	• Not Used
F40	SCRPN	F40UA	5A	• K115 Reductant Control Module
F41	GLOW PLUG MODULE	F41UA	60A	• K20 Engine Control Module
F42	EMPTY	F42UA	—	• Not Used
F43	COOL FAN	F43UA	60A	• K22 Cooling Fan Control Module
F44	FUEL HTR	F44UA	40A	• KR22 Fuel Heater Relay
F45	DIESEL EXH FLUID CNTRL	F45UA	30A	• KR121A Reductant Control Module Relay 1
F46	COOL FAN CLTCH	F46UA	10A	• KR20F Cooling Fan Relay
F47	HTR CRANKCASE VENTILATION	F47UA	7.5A	• E45 Positive Crankcase Ventilation Heater
F48	FOG LAMPS	F48UA	15A	• E29LF Fog Lamp – Left Front (T3U) • E29RF Fog Lamp – Right Front (T3U)
F49	EMPTY	F49UA	—	• Not Used
F50	TRLR PRK LAMPS	F50UA	20A	• X88 Trailer Connector (Z82)
F51	HORN	F51UA	15A	• P13 Horn Assembly
F52	EMPTY	F52UA	—	• Not Used
F53	EMPTY	F53UA	—	• Not Used
F54	EMPTY	F54UA	—	• Not Used
F55	EMPTY	F55UA	—	• Not Used
F56	WASH PUMP	F56UA	15A	• G24 Windshield Washer Pump
F57	EMPTY	F57UA	—	• Not Used
F58	EMPTY	F58UA	—	• Not Used
F59	EMPTY	F59UA	—	• Not Used
F60	MIR DEFOG	F60UA	7.5A	• E17D Outside Rearview Mirror Glass – Driver (DL9) • E17P Outside Rearview Mirror Glass – Passenger (DL9)
F61	EMPTY	F61UA	—	• Not Used
F62	CNSTR VENT SOL	F62UA	10A	• K115 Reductant Control Module
F63	EMPTY	F63UA	—	• Not Used
F64	TRLR REV LAMP	F64UA	10A	• KR61 Trailer Backup Lamps Relay
F65	TRLR STOP/TRN LAMP LT	F65UA	10A	• X88 Trailer Connector (Z82)
F66	TRLR STOP/TRN LAMP RT	F66UA	10A	• KR63R Trailer Stop/Turn Signal Lamp Relay - Right
F67	EPS	F67UA	15A	• K43 Power Steering Control Module
F68	EMPTY	F68UA	—	• Not Used
F69	RVC	F69UA	5A	• K9 Body Control Module
F70	EMPTY	F70UA	—	• Not Used
F71	EMPTY	F71UA	—	• Not Used
F72	EMPTY	F72UB	—	• Not Used
F73	EMPTY	F73UB	—	• Not Used

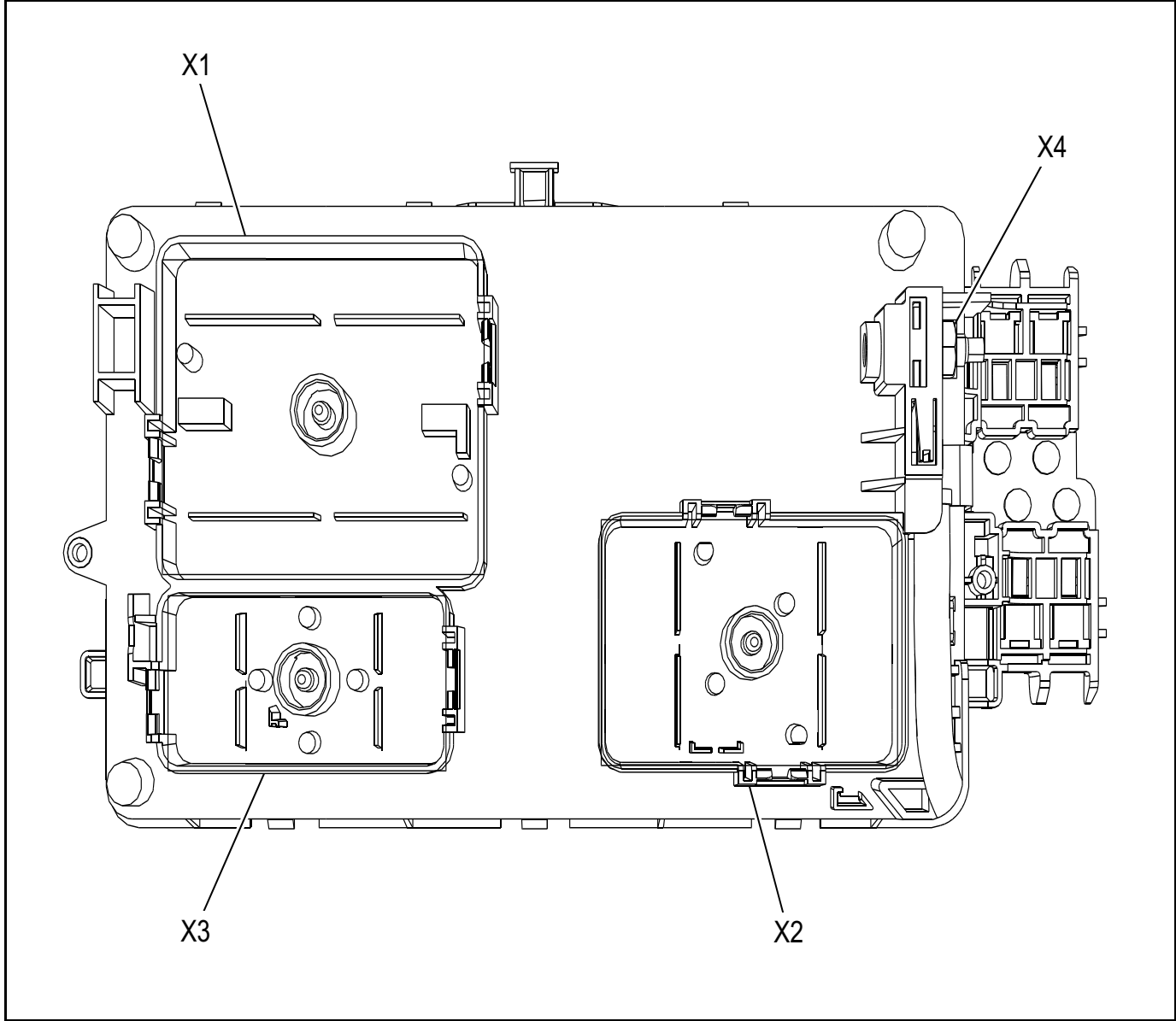
Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F74	GEN	F74UB	200A	• G13 Generator
F75	EMPTY	F75UB	—	• Not Used
Relays				
K1	A/C CLTCH	KR29 A/C Compressor Clutch Relay	—	• Q2 A/C Compressor Clutch
K2	STRTR	KR27 Starter Relay	—	• M64 Starter Motor
K3	NOx SNSR-SCRPM	KR121B Reductant Control Module Relay 2	—	• F4UA • F44UA • B136 Exhaust Particulate Matter Sensor • B195A Nitrogen Oxides Sensor 1 • B195B Nitrogen Oxides Sensor 2 • K115 Reductant Control Module
K4	WPR SPD	KR12C Windshield Wiper Speed Control Relay	—	• M75 Windshield Wiper Motor
K5	WPR CNTRL	KR12B Windshield Wiper Relay	—	• M75 Windshield Wiper Motor
K6	CARGO LAMP	KR112 Cargo Lamp Relay	—	• E6 Center High Mounted Stop Lamp
K7	PWR TRN	KR75 Engine Controls Ignition Relay	—	• F8UA • F9UA • F10UA • F11UA • F47UA • KR29 A/C Compressor Clutch Relay
K8	FUEL PUMP	KR23A Fuel Pump Relay	—	• A7 Fuel Pump and Level Sensor - Assembly
K9	EMPTY	—	—	• Not Used
K10	EMPTY	—	—	• Not Used
K11	CHMSL	KR41 Center High Mounted Stop Lamp Relay	—	• E6 Center High Mounted Stop Lamp
K12	FUEL HTR	KR22 Fuel Heater Relay	—	• E11B Fuel Heater/Temperature Sensor
K13	DIESEL EXH FLUID CNTRL	KR121A Reductant Control Module Relay 1	—	• K115 Reductant Control Module
K14	PRK LAMPS	KR125 Trailer Park Lamps Relay	—	• F50UA
K15	RUN/CRNK	KR73 Ignition Main Relay	—	• F5UA • F13UA • F16UA • F17UA • F18UA • F19UA • F52UA • F53UA • F54UA • F57UA
K16	COOL FAN CLTCH	KR20F Cooling Fan Relay	—	• K22 Cooling Fan Control Module

Usage Table (cont'd)

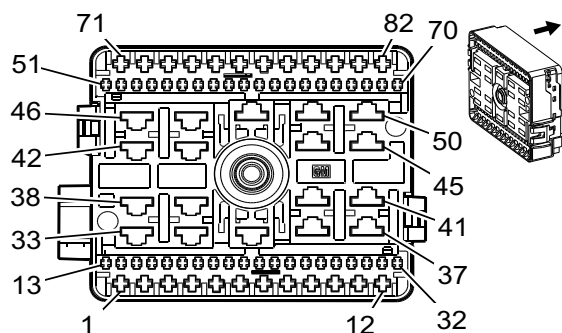
No.	Device Label Name	Device Assigned Name	Rating	Description
K17	REAR WNDW DEFOG	KR5 Rear Defogger Relay	—	• F28UA • F60UA • F63UA • E17D Outside Rearview Mirror Glass – Driver (DL9) • E17P Outside Rearview Mirror Glass – Passenger (DL9) • E18 Rear Defogger Grid (C49)
Note: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.				
—	—	KR3 Horn Relay	—	• F51UA
—	—	KR11 Windshield Washer Pump Relay	—	• F56UA
—	—	KR46 Front Fog Lamp Relay	—	• F48UA
—	—	KR48 Headlamp High Beam Relay	—	• F37UA • F38UA
—	—	KR61 Trailer Backup Lamps Relay	—	• P3 Backup Alarm (8S3) • X88 Trailer Connector (Z82)
—	—	KR63L Trailer Stop/Turn Signal Lamp Relay - Left	—	• F65UA • X88 Trailer Connector (Z82)
—	—	KR63R Trailer Stop/Turn Signal Lamp Relay - Right	—	• X88 Trailer Connector (Z82)
—	—	KR113 Child Security Lock Disable Relay	—	• A23LR Door Latch Assembly - Left Rear • A23P Door Latch Assembly - Passenger • A23RR Door Latch Assembly - Right Rear
Note: Items listed below are diagnostic testing points.				
TP19	—	TP19	—	• Not Used
Note: Items listed below are Door Lock/Indicator system diagnostic testing points.				
TP18	CKT 3271	TP18	—	• KR113 Child Security Lock Disable Relay
Note: Items listed below are Trailer Connector/Provision system diagnostic testing points.				
TP24	CKT 1619	TP24	—	• KR63R Trailer Stop/Turn Signal Lamp Relay - Right
TP26	CKT 1624	TP26	—	• KR61 Trailer Backup Lamps Relay

X50A Fuse Block - Underhood Bottom View



3788616

X50A Fuse Block - Underhood X1



2174006

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13262028

Service Connector: —

Description: 82-Way F 1.5, 2.8 DSQ, 800 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	13575490	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
III	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13579978	J-35616-44 (YE)	J-38125-558	12065915	Delphi 5	A	D
VII	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
VIII	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	Not Available	Not Available
IX	19368323	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available

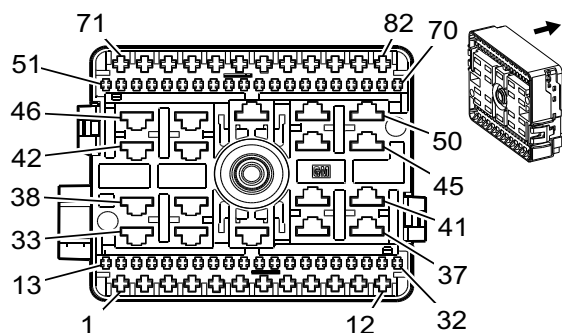
X50A Fuse Block - Underhood X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	IV	LGZ
		VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	III	LWN
2	1	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	IV	—
3 - 7	—	—	—	Not Occupied	—	—
8	1.5	BN	2109	Trailer Park Lamp Control	V	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.75	BN/GY	29	Horn Control	IV	—
12	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
13	0.75	WH	311	Right Headlamp High Beam Control	III	—
14	0.5	WH	711	Left Headlamp High Beam Control	III	—
15 - 29	—	—	—	Not Occupied	—	—
30	0.75	GY/VT	228	Windshield Washer Pump Control	III	—
31	0.75	BN/VT	2234	Front Fog Lamp Control	III	—
32 - 34	—	—	—	Not Occupied	—	—
35	6	RD/GY	4840	Battery Positive Voltage	VIII	—
36 - 37	—	—	—	Not Occupied	—	—
38	4	BN/L-BU	104	Glow Plug Control	VII	—
39 - 40	—	—	—	Not Occupied	—	—
41	1.5	L-GN/L-BU	3889	DEF Power Module Relay Control	VI	—
42 - 48	—	—	—	Not Occupied	—	—
49	2.5	L-BU/L-GN	7071	Heater Fuel Control	II	—
50	2.5 4	BN/VT L-BU	1470 3921	Brake Booster Pump Motor Control DEF Heater Supply 1	II VII	LGZ LWN
51	—	—	—	Not Occupied	—	—
52	0.5	L-BU/WH	7120	Rear Axle Differential Lock Control	III	—
53 - 67	—	—	—	Not Occupied	—	—
68	1.5	L-GN/L-BU	3889	DEF Power Module Relay Control	IX	—
69	0.5	WH/VT	4333	Aero Shutter Actuator Control	III	—
70	—	—	—	Not Occupied	—	—
71	0.75	BK	1150	Ground	IV	—
72	1.5	WH	92	Windshield Wiper Motor High Speed Control	V	—
73	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	V	—
74	1.5	BK	3150	Ground	V	—
75	0.35	VT/GY	1054	Stop Lamp Control	I	—
76 - 79	—	—	—	Not Occupied	—	—
80	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	IV	—
81 - 82	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X1 (-ULV)



2174006

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13262028

Service Connector: —

Description: 82-Way F 1.5, 2.8 DSQ, 800 Metri-Pack Series (BK)

Terminal Part Information

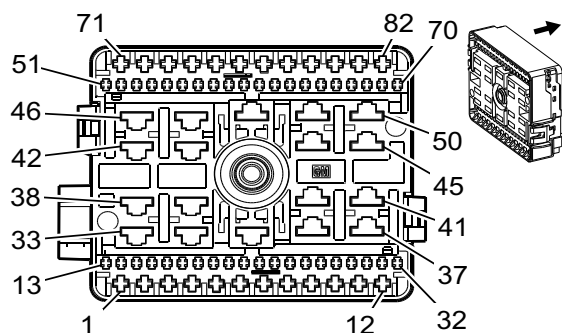
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575490	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
III	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13579978	J-35616-44 (YE)	J-38125-558	12065915	Delphi 5	A	D
VII	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
VIII	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	Not Available	Not Available
IX	19368323	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X1 (-ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	IV	LGZ
2	1	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	IV	—
3 - 7	—	—	—	Not Occupied	—	—
8	1.5	BN	2109	Trailer Park Lamp Control	V	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.75	BN/GY	29	Horn Control	IV	—
12	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X1 (-ULV) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
13	0.75	WH	311	Right Headlamp High Beam Control	III	—
14	0.5	WH	711	Left Headlamp High Beam Control	III	—
15 - 29	—	—	—	Not Occupied	—	—
30	0.75	GY/VT	228	Windshield Washer Pump Control	III	—
31	0.75	BN/VT	2234	Front Fog Lamp Control	III	—
32 - 34	—	—	—	Not Occupied	—	—
35	6	RD/GY	4840	Battery Positive Voltage	VIII	—
36 - 37	—	—	—	Not Occupied	—	—
38	4	BN/BU	104	Glow Plug Control	VII	—
39 - 40	—	—	—	Not Occupied	—	—
41	1.5	GN/BU	3889	DEF Power Module Relay Control	VI	—
42 - 48	—	—	—	Not Occupied	—	—
49	2.5	BU/GN	7071	Heater Fuel Control	II	—
50 - 51	—	—	—	Not Occupied	—	—
52	0.5	BU/WH	7120	Rear Axle Differential Lock Control	III	—
53 - 67	—	—	—	Not Occupied	—	—
68	1.5	GN/BU	3889	DEF Power Module Relay Control	IX	—
69	0.5	WH/VT	4333	Aero Shutter Actuator Control	III	—
70	—	—	—	Not Occupied	—	—
71	0.75	BK	1150	Ground	IV	—
72	1.5	WH	92	Windshield Wiper Motor High Speed Control	V	—
73	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	V	—
74	1.5	BK	3150	Ground	V	—
75	0.35	VT/GY	1054	Stop Lamp Control	I	—
76 - 79	—	—	—	Not Occupied	—	—
80	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	IV	—
81 - 82	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X1 (ULV+LGZ)

2174006

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13262028

Service Connector: —

Description: 82-Way F 1.5, 2.8 DSQ, 800 Metri-Pack Series (BK)

Terminal Part Information

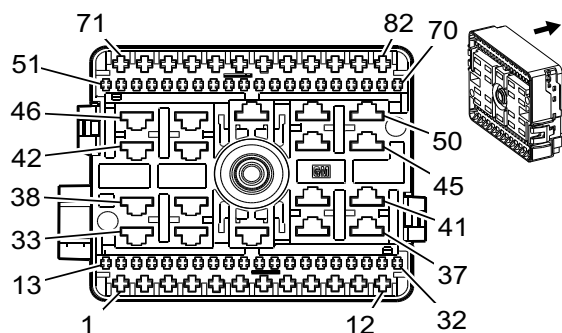
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575490	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
III	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X1 (ULV+LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	III	—
2	1	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	IV	—
3 - 7	—	—	—	Not Occupied	—	—
8	1.5	BN	2109	Trailer Park Lamp Control	V	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.75	BN/GY	29	Horn Control	IV	—
12	—	—	—	Not Occupied	—	—
13	0.75	WH	311	Right Headlamp High Beam Control	III	—
14	0.5	WH	711	Left Headlamp High Beam Control	III	—
15 - 29	—	—	—	Not Occupied	—	—
30	0.75	GY/VT	228	Windshield Washer Pump Control	III	—
31	0.75	BN/VT	2234	Front Fog Lamp Control	III	—
32 - 49	—	—	—	Not Occupied	—	—
50	2.5	BN/VT	1470	Brake Booster Pump Motor Control	II	—

X50A Fuse Block - Underhood X1 (ULV+LGZ) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
51	—	—	—	Not Occupied	—	—
52	0.5	BU/WH	7120	Rear Axle Differential Lock Control	III	—
53 - 70	—	—	—	Not Occupied	—	—
71	0.75	BK	1150	Ground	IV	—
72	1.5	WH	92	Windshield Wiper Motor High Speed Control	V	—
73	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	V	—
74	1.5	BK	3150	Ground	V	—
75	0.35	VT/GY	1054	Stop Lamp Control	I	—
76 - 79	—	—	—	Not Occupied	—	—
80	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	IV	—
81 - 82	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X1 (ULV+LWN)

2174006

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13262028

Service Connector: —

Description: 82-Way F 1.5, 2.8 DSQ, 800 Metri-Pack Series (BK)

Terminal Part Information

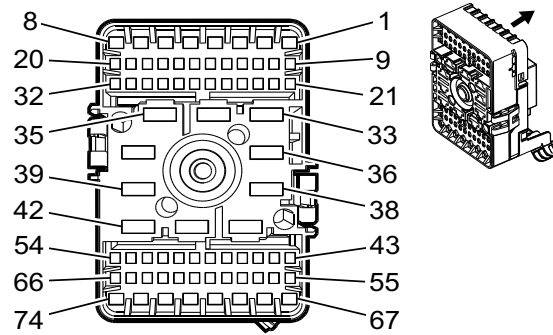
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575490	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
III	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	13579978	J-35616-44 (YE)	J-38125-558	12065915	Delphi 5	A	D
VII	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
VIII	19368323	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X1 (ULV+LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/BN	7258	Rear Differential Lock Actuator Supply Voltage	IV	—
2	1	VT/WH	7256	Front Differential Lock Actuator Supply Voltage	IV	—
3 - 7	—	—	—	Not Occupied	—	—
8	1.5	BN	2109	Trailer Park Lamp Control	V	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.75	BN/GY	29	Horn Control	IV	—
12	—	—	—	Not Occupied	—	—
13	0.75	WH	311	Right Headlamp High Beam Control	III	—
14	0.5	WH	711	Left Headlamp High Beam Control	III	—

X50A Fuse Block - Underhood X1 (ULV+LWN) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
15 - 29	—	—	—	Not Occupied	—	—
30	0.75	GY/VT	228	Windshield Washer Pump Control	III	—
31	0.75	BN/VT	2234	Front Fog Lamp Control	III	—
32 - 37	—	—	—	Not Occupied	—	—
38	4	BN/BU	104	Glow Plug Control	VII	—
39 - 40	—	—	—	Not Occupied	—	—
41	1.5	GN/BU	3889	DEF Power Module Relay Control	VI	—
42 - 48	—	—	—	Not Occupied	—	—
49	2.5	BU/GN	7071	Heater Fuel Control	II	—
50	4	BU	3921	DEF Heater Supply 1	VII	—
51	—	—	—	Not Occupied	—	—
52	0.5	BU/WH	7120	Rear Axle Differential Lock Control	III	—
53 - 67	—	—	—	Not Occupied	—	—
68	1.5	GN/BU	3889	DEF Power Module Relay Control	VIII	—
69 - 70	—	—	—	Not Occupied	—	—
71	0.75	BK	1150	Ground	IV	—
72	1.5	WH	92	Windshield Wiper Motor High Speed Control	V	—
73	1.5	YE/BN	95	Windshield Wiper Motor Low Speed Control	V	—
74	1.5	BK	3150	Ground	V	—
75	0.35	VT/GY	1054	Stop Lamp Control	I	—
76 - 79	—	—	—	Not Occupied	—	—
80	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	IV	—
81 - 82	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X2

2174004

Connector Part Information

Harness Type: Body

OEM Connector: 13732284

Service Connector: 13576544

Description: 74-Way F 1.5, 2.8 DSQ, 800 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	13575541	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	Not Available	Not Available
III	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
IV	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
V	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VI	19366953	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
VII	19368323	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	WH/BK	7254	Front Differential Lock Actuator Low Control	I	—
2	1.5	BK	3950	Ground	V	—
3	1	GY/BK	7253	Rear Differential Lock Actuator Low Control	I	—
4	1.5 0.75	GY GY	295 295	Door Lock Actuator Lock Control Door Lock Actuator Lock Control	V I	CREW CAB EXTENDED CAB
5	1.5	WH/L-BU	3266	Child Security Lock Motor Lock Control	V	—
6	2.5	GY	120	Fuel Pump Control	V	—
7 - 10	—	—	—	Not Occupied	—	—
11	0.5	L-GN/BK	7118	Front Axle Differential Lock Low Reference	IV	—
12	1.5	GY/L-GN	3271	Door Lock Control 2	VII	—

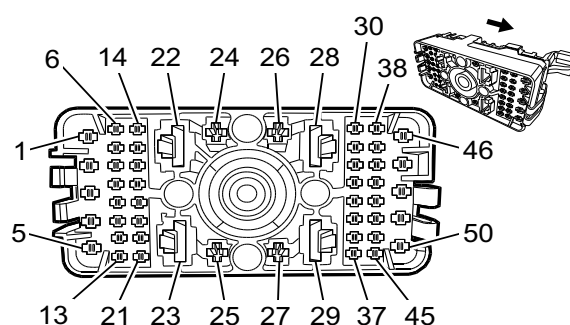
X50A Fuse Block - Underhood X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
13	0.5	VT/YE	3267	Child Security Lock Relay Control	IV	—
14	0.75	VT/BK	2139	Run/Crank Ignition 1 Voltage	IV	—
15 - 16	—	—	—	Not Occupied	—	—
17	0.5	L-GN/VT	5199	Run/Crank Relay Coil Control	IV	—
18	—	—	—	Not Occupied	—	—
19	0.5	BN/WH	1317	Fog Lamp Relay Control	IV	—
20	0.5	VT/BK	7121	Rear Axle Differential Lock Low Reference	IV	—
21	—	—	—	Not Occupied	—	—
22	0.5	GY	91	Windshield Wiper Motor Relay Coil Control	IV	—
23	—	—	—	Not Occupied	—	—
24	0.5	L-BU	45	Park Lamp Relay Control	IV	—
25	0.5	BN/WH	28	Horn Relay Control	IV	—
26 - 29	—	—	—	Not Occupied	—	—
30	0.75	L-GN	1619	Right Rear Trailer Stop/Turn Lamp Control	IV	—
31 - 32	—	—	—	Not Occupied	—	—
33	2.5	RD/VT	542	Battery Positive Voltage	III	—
34	2.5	RD/YE	442	Battery Positive Voltage	III	—
35	—	—	—	Not Occupied	—	—
36	4	OG	742	Battery Positive Voltage	VI	—
37 - 38	—	—	—	Not Occupied	—	—
39	2.5	BN/VT	293	Rear Defog Element Control	III	—
40	2.5	RD/GY	1342	Battery Positive Voltage	III	NQ6
	2.5	RD/GY	1342	Battery Positive Voltage	II	NQ7
41	4	RD/GY	1042	Battery Positive Voltage	VI	—
42	2.5	RD/L-GN	242	Battery Positive Voltage	III	—
43	0.5	BK	3150	Ground	IV	—
44	—	—	—	Not Occupied	—	—
45	0.5	WH/VT	860	Front Windshield Wiper Switch High Signal	IV	—
46	0.5	VT/WH	5065	Stop Lamp Relay Coil Control	IV	—
47	0.5	BN/WH	1429	Standing Lamp Relay Control	IV	—
48	0.5	L-BU/BN	38	Backup Lamp Relay Control	IV	—
49	0.5	L-BU/WH	5186	Left Trailer Turn Signal Lamp Control	IV	—
50	—	—	—	Not Occupied	—	—
51	0.75	YE	1618	Left Rear Trailer Stop/Turn Lamp Control	IV	—
52	0.75	GY	1624	Trailer Backup Lamp Control	IV	—
53 - 55	—	—	—	Not Occupied	—	—
56	0.75	RD/L-GN	5140	Battery Positive Voltage	IV	—
57	—	—	—	Not Occupied	—	—
58	0.5	BN/VT	1969	Headlamp High Beam Relay Control	IV	—
59	0.5	YE/GY	5187	Right Trailer Turn Signal Lamp Control	IV	—
60	0.5	BN/GY	2268	Windshield Washer Relay Control	IV	—
61	0.5	BN/VT	193	Rear Defog Relay Control	IV	—
62	0.5	BN/YE	2267	Mirror Heating Element Control	IV	—
63 - 67	—	—	—	Not Occupied	—	—
68	0.75	RD/L-GN	6140	Battery Positive Voltage	I	—

X50A Fuse Block - Underhood X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
69	2.5	RD/YE	2340	Battery Positive Voltage	V	—
70	2.5	RD/VT	1940	Battery Positive Voltage	V	—
71	2.5	RD/VT	1940	Battery Positive Voltage	V	—
72	0.75	RD/BN	440	Battery Positive Voltage	I	—
73	0.5	RD/L-GN	2440	Battery Positive Voltage	I	—
74	0.5	RD/BN	5940	Battery Positive Voltage	I	—

X50A Fuse Block - Underhood X3



2220560

Connector Part Information

Harness Type: Engine

OEM Connector: 13732282

Service Connector: 13505902

Description: 50-Way F 1.5, 2.8 DSQ, 800 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	13327116	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575541	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13575774	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available
IV	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
V	19368323	J-35616-14 (GN)	J-38125-557	Not Available	Not Available	Not Available	Not Available

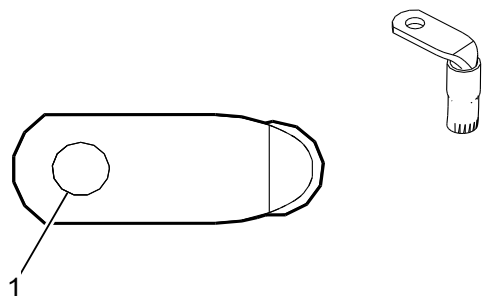
X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	I	—
	1	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	I	—
	2	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	IV	—
	2.5	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	IV	—
2	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	II	—
3	0.75	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	II	—
	1.5	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	IV	—
4	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	II	—
5	2	YE	6	Starter Solenoid Crank Ignition Voltage	IV	—
	2.5	YE	6	Starter Solenoid Crank Ignition Voltage	IV	—
6	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	III	—
7	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	III	—
	0.75	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	III	—
8	—	—	—	Not Occupied	—	—
9	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	III	—

X50A Fuse Block - Underhood X3 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
10	—	—	—	Not Occupied	—	—
11	0.5	YE/BK	625	Starter Enable Relay Control	III	—
	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	III	—
12	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	III	—
13	0.75	BK/WH	151	Signal Ground	III	—
14	—	—	—	Not Occupied	—	—
15	0.5	L-GN/L-BU	3889	DEF Power Module Relay Control	III	—
	0.5	BN	6305	Brake Vacuum Switch Signal	III	—
16	—	—	—	Not Occupied	—	—
17	0.5	YE	5991	Powertrain Relay Coil Control	III	—
18 - 19	—	—	—	Not Occupied	—	—
20	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	III	—
	1	VT/GY	139	Run/Crank Ignition 1 Voltage	III	—
21	0.5	BK	1450	Ground	III	—
22 - 26	—	—	—	Not Occupied	—	—
27	0.5	RD/WH	140	Battery Positive Voltage	II	—
28 - 29	—	—	—	Not Occupied	—	—
30	0.5	WH	2368	Cooling Fan Control Signal	III	—
	0.5	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	III	—
31 - 32	—	—	—	Not Occupied	—	—
33	0.5	VT/L-GN	4320	Selective Catalytic Reduction Power Module Wake-Up Signal	III	—
34	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	III	—
35	1.5	VT/L-BU	3674	NOx Sensor 1 Control	V	—
36	—	—	—	Not Occupied	—	—
37	0.75	RD/L-GN	1840	Battery Positive Voltage	III	—
38 - 39	—	—	—	Not Occupied	—	—
40	0.5	L-BU	3017	Fuel Heater Relay Control 1	III	—
41 - 45	—	—	—	Not Occupied	—	—
46	0.5	L-BU/BK	7116	Front Axle Differential Lock Control	II	—
47 - 48	—	—	—	Not Occupied	—	—
49	0.5	L-GN/L-BU	3889	DEF Power Module Relay Control	II	—
50	0.75	BN/L-GN	59	A/C Compressor Clutch Control	II	—

X50A Fuse Block - Underhood X4



2772389

Connector Part Information

Harness Type: Generator Cable
OEM Connector: 13644223
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

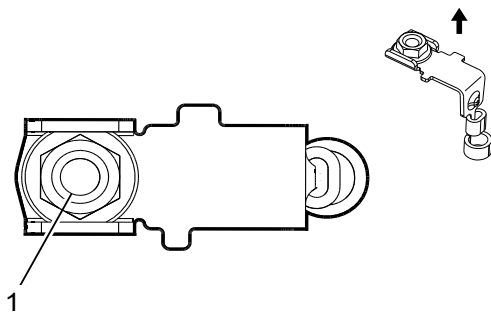
Terminal Part Information

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

X50A Fuse Block - Underhood X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—

X50A Fuse Block - Underhood X5



2173547

Connector Part Information

Harness Type: Generator Cable
OEM Connector: 1193803
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

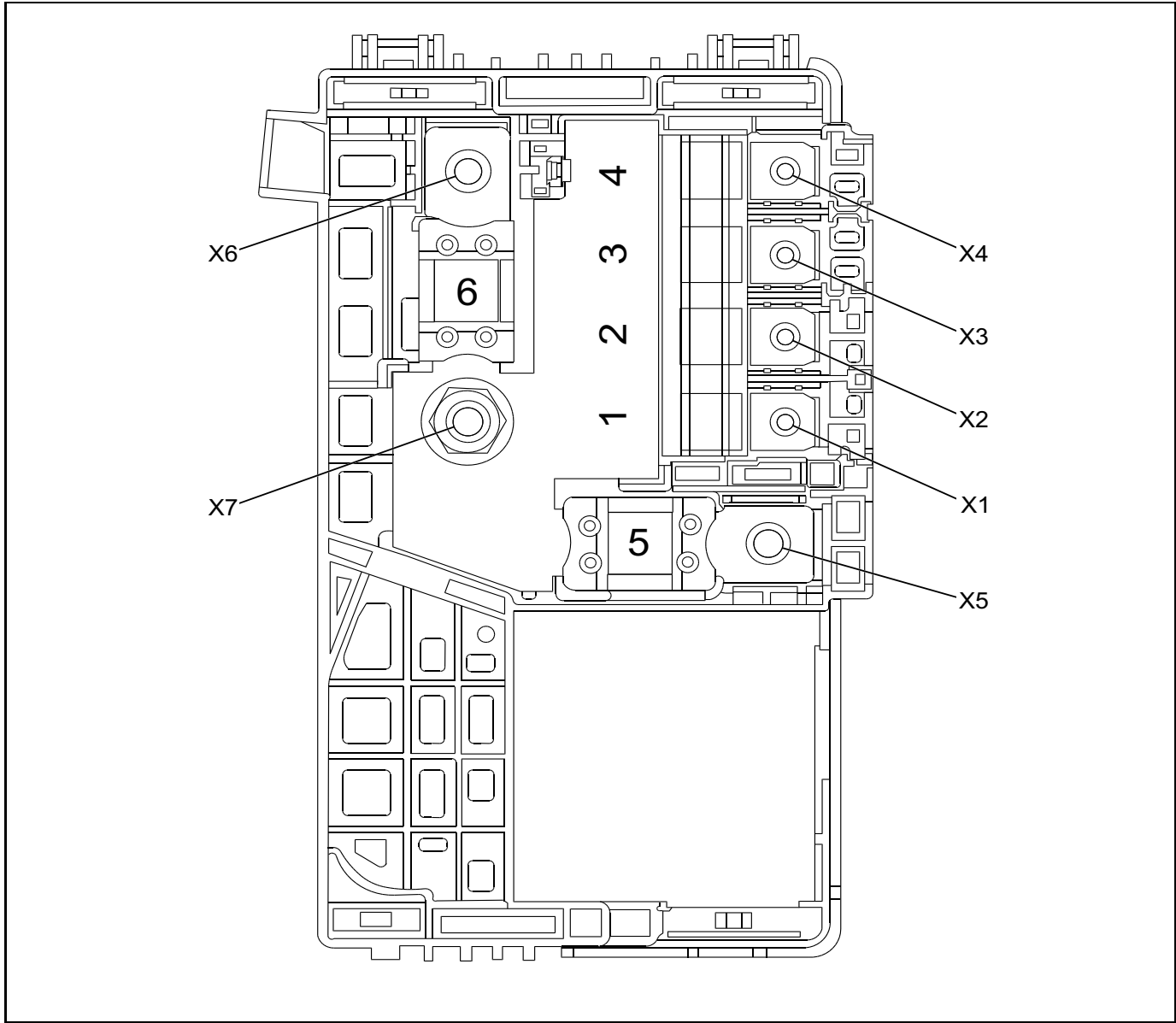
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50A Fuse Block - Underhood X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	25	RD/YE	2	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery Top View

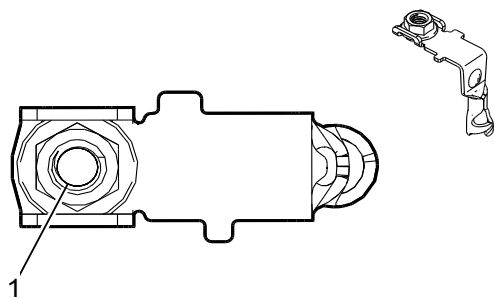


4790898

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	—	F1UB	100A	• K43 Power Steering Control Module
2	—	F2UB	100A	• X51A Fuse Block – Instrument Panel
3	—	F3UB	100A	• X51A Fuse Block – Instrument Panel
4	—	F4UB	100A	• K22 Cooling Fan Control Module
5	—	F5UB	250A	• X50A Fuse Block – Underhood
6	—	F6UB	300A	• M64 Starter Motor

X50D Fuse Block - Battery X1



2772379

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 13371977
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

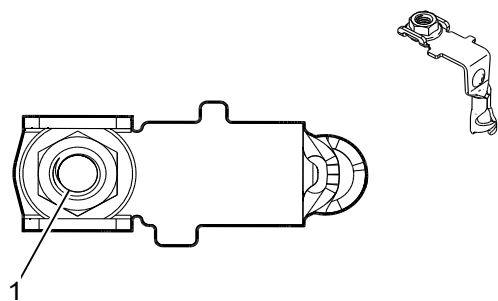
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X1

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

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X50D Fuse Block - Battery X2



2772384

Connector Part Information

Harness Type: Body
OEM Connector: 13869259
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

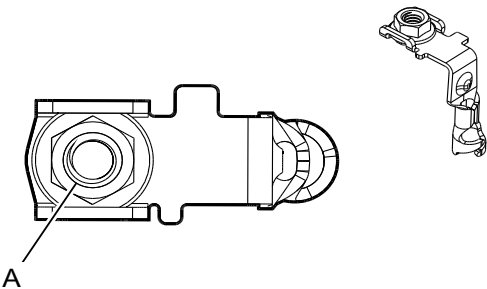
Terminal Part Information

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

X50D Fuse Block - Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/L-BU	42	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X3



2759566

Connector Part Information

Harness Type: Body
OEM Connector: 13869260
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

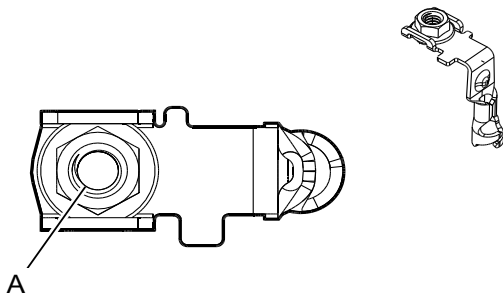
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/VT	842	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X4 (LGZ)



2759576

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13869288
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

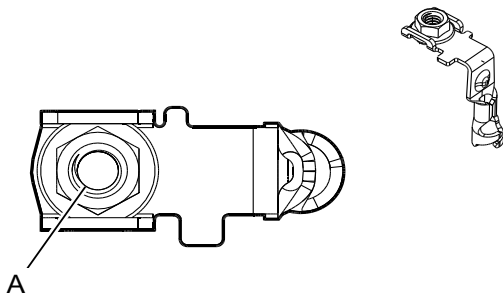
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X4 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X4 (Crew Cab+LWN)



2759576

Connector Part Information

Harness Type: Body
OEM Connector: 13869288
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

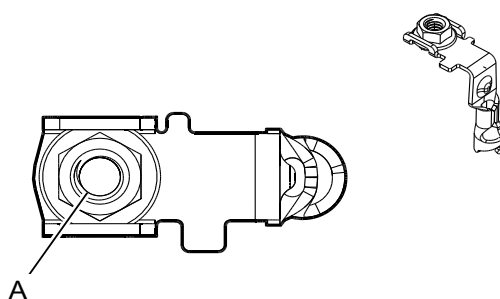
Terminal Part Information

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

X50D Fuse Block - Battery X4 (Crew Cab+LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X4 (Extended Cab+LWN)

2759576

Connector Part Information

Harness Type: Body

OEM Connector: 13869288

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way Ring Terminal

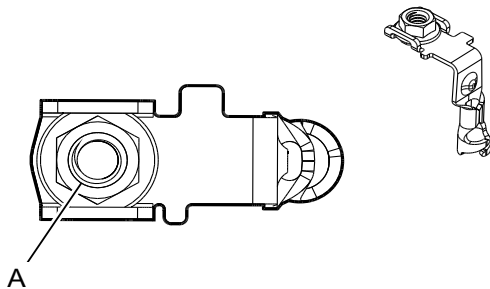
Terminal Part Information

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

X50D Fuse Block - Battery X4 (Extended Cab+LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X4 (LWN)



2759566

Connector Part Information

Harness Type: Body
OEM Connector: 13869260
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

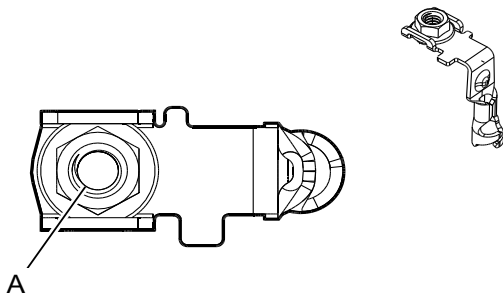
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X4 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/VT	842	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X4 (-ULV)



2759576

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13869288
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

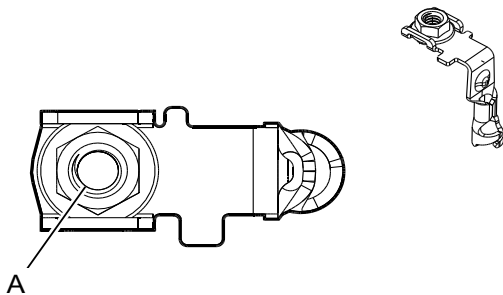
Terminal Part Information

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

X50D Fuse Block - Battery X4 (-ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X4 (ULV+LGZ)



2759576

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13869288
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

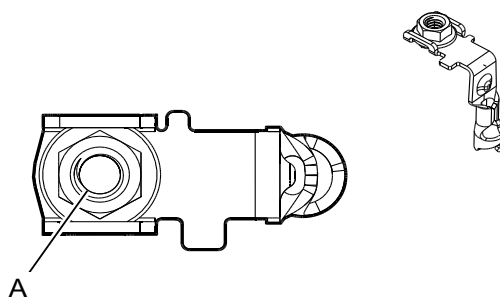
Terminal Part Information

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

X50D Fuse Block - Battery X4 (ULV+LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X4 (ULV+LWN)

2759576

Connector Part Information

Harness Type: Forward Lamp

OEM Connector: 13869288

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way Ring Terminal

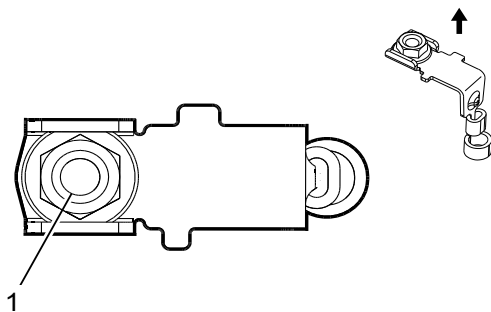
Terminal Part Information

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

X50D Fuse Block - Battery X4 (ULV+LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/GY	4840	Battery Positive Voltage	I	—

X50D Fuse Block - Battery X5



2173547

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 1193803
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

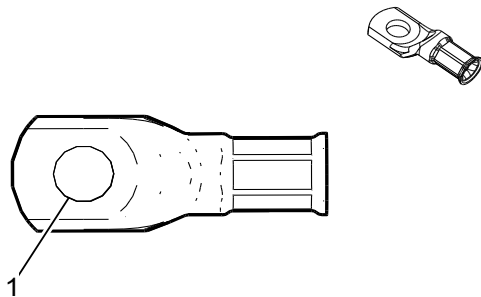
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	25	RD/YE	2	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X6 (LCV)



2772406

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 10730988
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

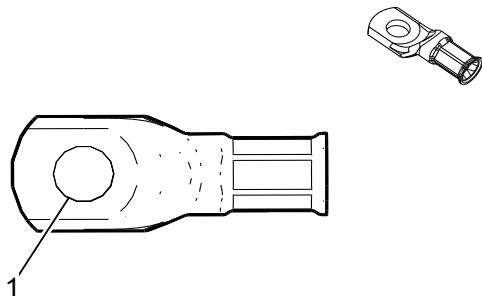
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X6 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD/YE	2	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X6 (LGZ)



2772406

Connector Part Information

Harness Type: Starter Cable
OEM Connector: 10730988
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

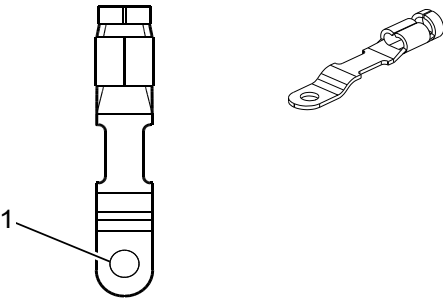
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

X50D Fuse Block - Battery X6 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD/YE	2	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X6 (LWN)



4880301

Connector Part Information

Harness Type: Starter Cable
OEM Connector: AXZ47063
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

X50D Fuse Block - Battery X6 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	50	RD/YE	2	Battery Positive Voltage	I	—

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X50D Fuse Block - Battery X7

Connector Part Information

Harness Type: Battery Cable Positive
OEM Connector: 13644223
Service Connector: Service by Harness - See Part Catalog
Description: 6-Way F 0.64 Kaizen Series (BK)

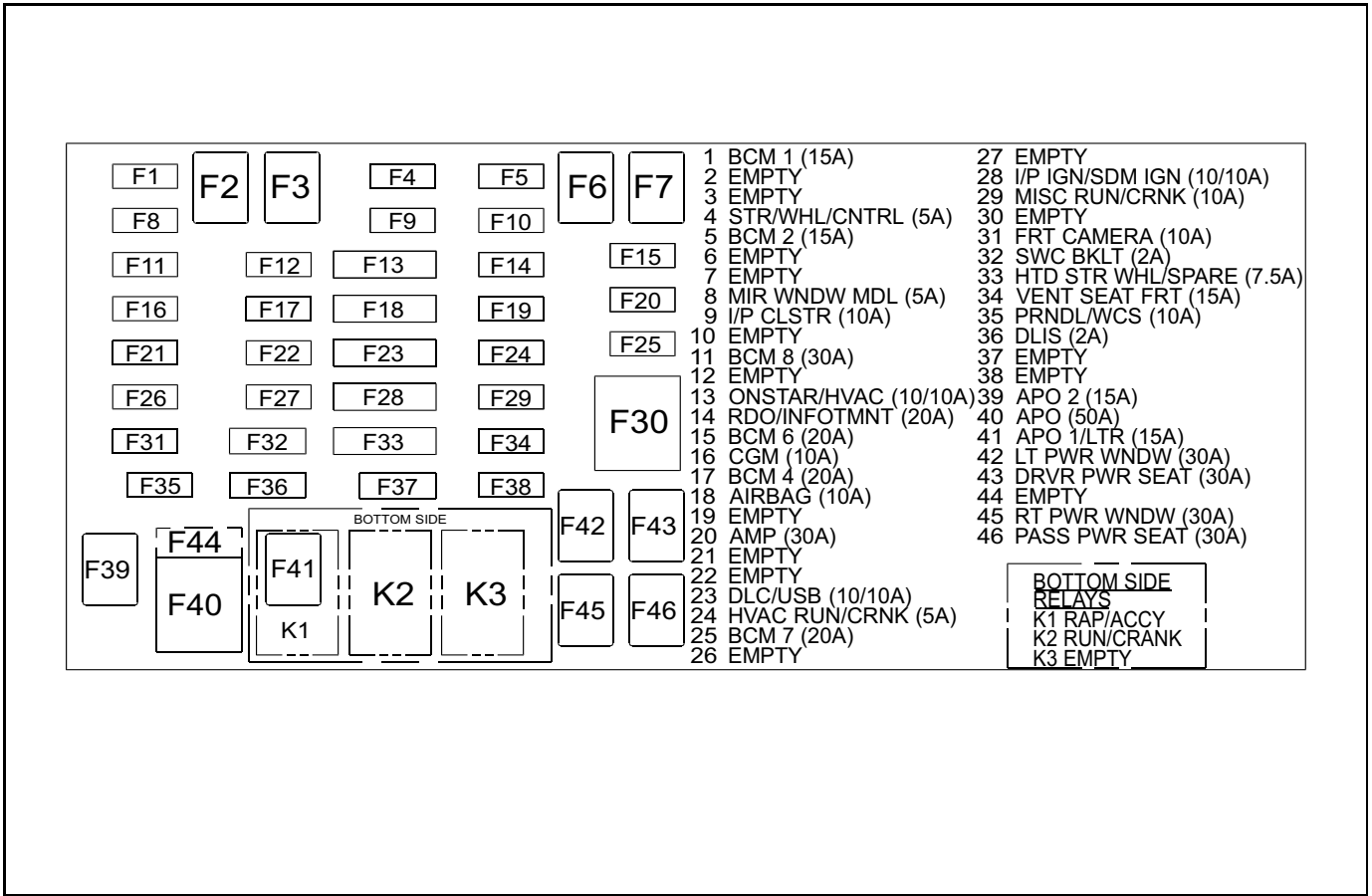
Terminal Part Information

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

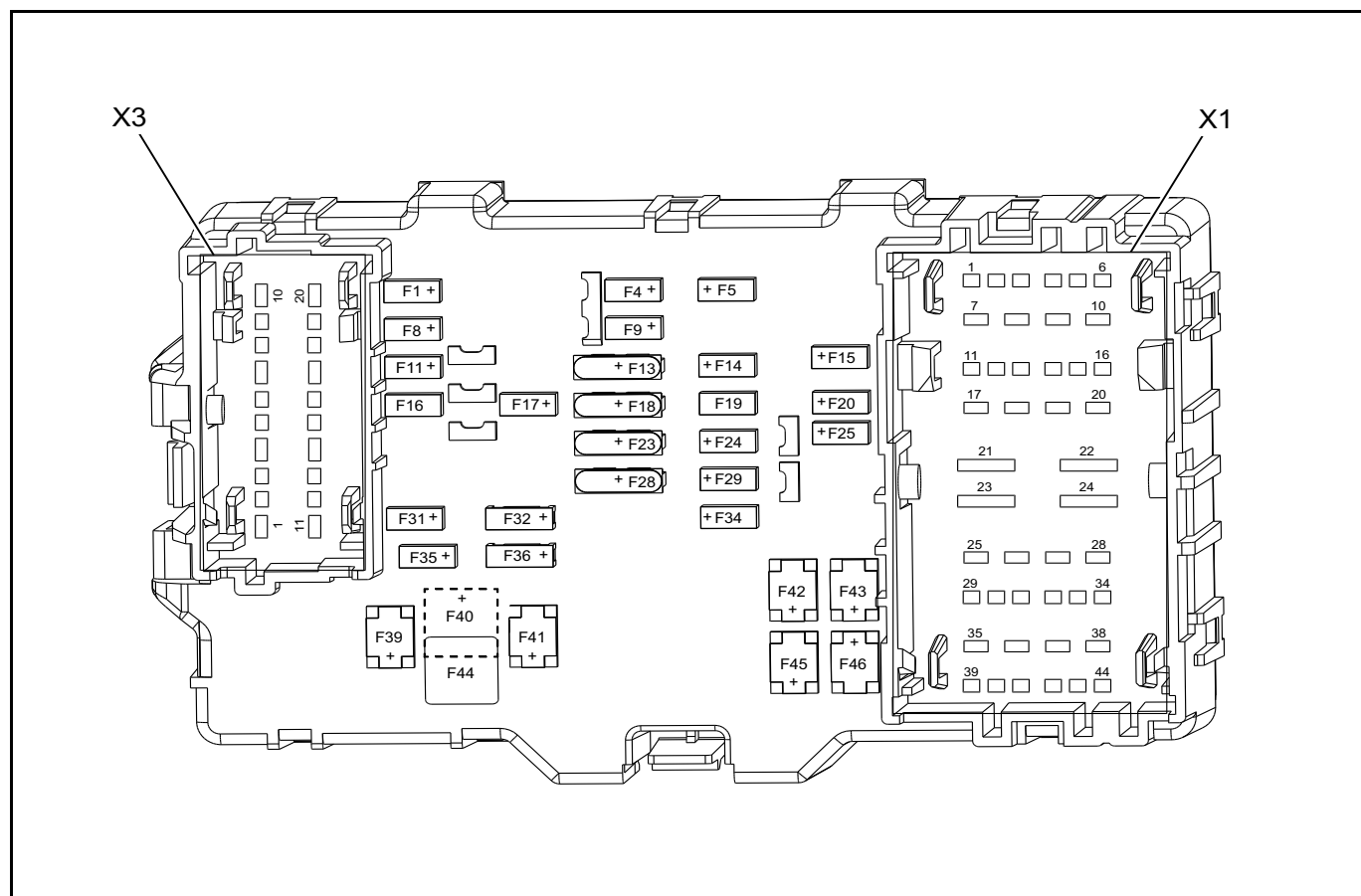
X50D Fuse Block - Battery X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	RD	1	Unfused Battery Positive Voltage	I	—

X51A Fuse Block - Instrument Panel Label



X51A Fuse Block - Instrument Panel Top View Fuses



3818716

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
F1	BCM 1	F1DA	15A	• K9 Body Control Module
F2	EMPTY	F2DA	—	• Not Used
F3	EMPTY	F3DA	—	• Not Used
F4	STR/WHL/CNTRL	F4DA	5A	• S70L Steering Wheel Controls Switch - Left • S70R Steering Wheel Controls Switch - Right
F5	BCM 2	F5DA	15A	• K9 Body Control Module
F6	EMPTY	F6DA	—	• Not Used
F7	EMPTY	F7DA	—	• Not Used
F8	MIR WNDW MDL	F8DA	5A	• S79D Window Switch - Driver • S52 Outside Rearview Mirror Switch (DL6/DL9)
F9	I/P CLSTR	F9DA	10A	• P16 Instrument Cluster • P17 Info Display Module • S32D Seat Heating Switch - Driver (KA1) • S32P Seat Heating Switch - Passenger (KA1) • A26 HVAC Controls
F10	EMPTY	F10DA	—	• Not Used
F11	BCM 8	F11DA	30A	• K9 Body Control Module
F12	EMPTY	F12DA	—	• Not Used

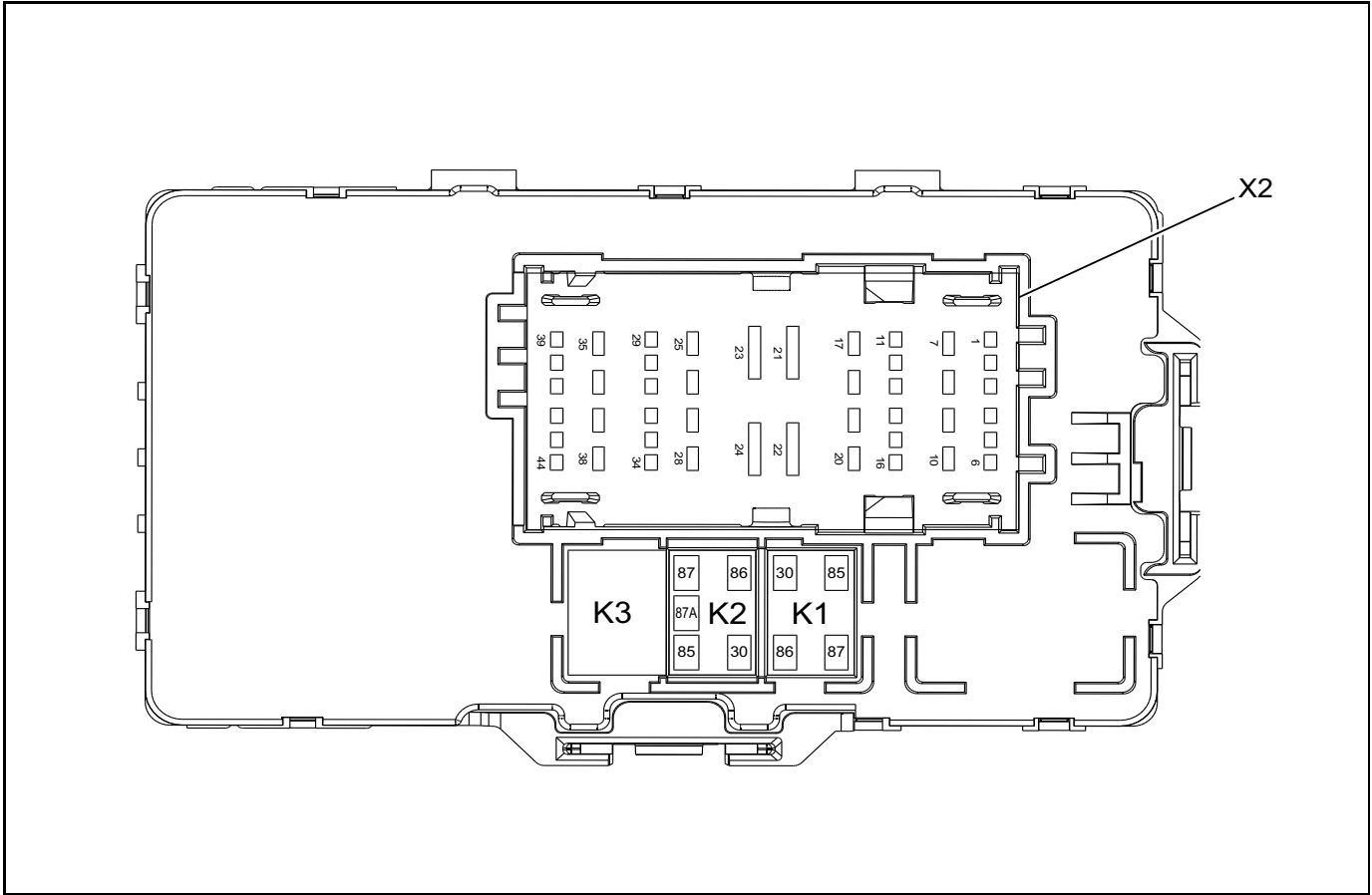
Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F13	ONSTAR/HVAC	F13DA	10A	• K33 HVAC Control Module • K73 Telematics Communication Interface Control Module (UE1)
F14	RDO/INFOTMNT	F14DA	20A	• A11 Radio
F15	BCM 6	F15DA	20A	• K9 Body Control Module
F16	EMPTY	F16DA	—	• K56 Serial Data Gateway Module
F17	BCM 4	F17DA	20A	• K9 Body Control Module
F18	AIRBAG	F18DA	10A	• K85 Passenger Presence Module • K36 Inflatable Restraint Sensing and Diagnostic Module
F19	EMPTY	F19DA	—	• Not Used
F20	AMP	F20DA	30A	• T3 Audio Amplifier (UQA)
F21	EMPTY	F21DA	—	• Not Used
F22	EMPTY	F22DA	—	• Not Used
F23	DLC/USB	F23DA	10A	• X84 Data Link Connector • X83 Auxiliary Audio Input • X83R Auxiliary Audio Input - Rear • X92C USB Receptacle - Center Console Rear
F24	HVAC RUN/CRNK	F24DA	5A	• E40 Electrical Auxiliary Heater (LWN) • K33 HVAC Control Module
F25	BCM 7	F25DA	20A	• K9 Body Control Module
F26	EMPTY	F26DA	—	• Not Used
F27	EMPTY	F27DA	—	• Not Used
F28	I/P IGN/SDM IGN	F28DA	10A	• P14 Passenger Air Bag Disabled Indicator • P16 Instrument Cluster • and P43 Collision Alert Indicators (UEU)
F29	MISC RUN/CRNK	F29DA	10A	• B87 Rearview Camera • K69 Transfer Case Control Module (NQ6/NQ7) • A10 Inside Rearview Mirror
F30	EMPTY	F30DA	—	• Not Used
F31	FRT CAMERA	F31DA	10A	• B174W Frontview Camera - Windshield • K182 Parking Assist Control Module
F32	SWC BKLT	F32DA	2A	• S48A Multifunction Switch - Instrument Panel • S77 Transfer Case Shift Control Switch (NQ6/NQ7) • S30 Headlamp Switch • X85 Steering Wheel Air Bag Coil
F33	HTD STR WHL/ SPARE	F33DA	7.5A	• K32 Steering Wheel Heating Control Module
F34	EMPTYVent Seat FRT	F34DA	15A	• M37A Seat Blower Motor - Driver Back • M37B Seat Blower Motor - Passenger back • M73C Seat Blower Motor - Driver Cushion • M73D Seat Blower Motor - Passenger Cushion
F35	PRNDL	F35DA	10A	• P2 Transmission Shift Lever Position Indicator (MYB) • T22 Mobile Device Wireless Charger Module
F36	DLIS	F36DA	2A	• S39 Ignition Switch
F37	EMPTY	F37DA	—	• Not Used
F38	EMPTY	F38DA	—	• Not Used

Usage Table (cont'd)

No.	Device Label Name	Device Assigned Name	Rating	Description
F39	APO 2	F39DA	15A	• X80B Accessory Power Receptacle - Center Console 2
F40	APO	F40DA	50A	• F39DA • F41DA • X80A Accessory Power Receptacle - Center Console 1 • X80B Accessory Power Receptacle - Center Console 2 • E32 Cigarette Lighter Receptacle (SAO)
F41	APO 1/LTR	F41DA	15A	• E32 Cigarette Lighter Receptacle (SAO) • X80A Accessory Power Receptacle - Center Console 1
F42	LT PWR WNDW	F42DA	30A	• M74D Window Motor - Driver • S79LR Window Switch - Left Rear
F43	DRVR PWR SEAT	F43DA	30A	• S64D Seat Adjuster Switch - Driver
F44	APO	F44DA	50A	• F39DA • F41DA • X80A Accessory Power Receptacle - Center Console 1 • X80B Accessory Power Receptacle - Center Console 2 • E32 Cigarette Lighter Receptacle (SAO)
F45	RT PWR WNDW	F45DA	30A	• S79P Window Switch - Passenger • S79RR Window Switch - Right Rear
F46	PASS PWR SEAT	F46DA	30A	• S64P Seat Adjuster Switch - Passenger (AAQ)

X51A Fuse Block - Instrument Panel Bottom View Relays



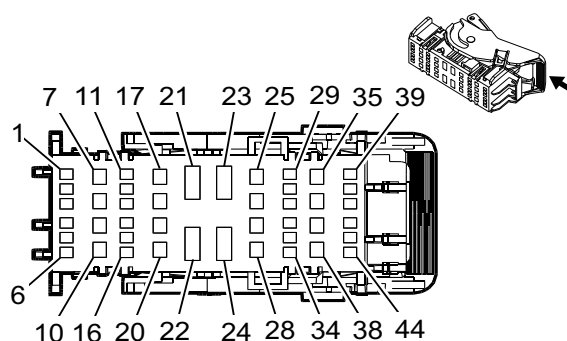
3818830

Usage Table

No.	Device Label Name	Device Assigned Name	Rating	Description
Relays				
K1	K1	KR76 Retained Accessory Power Relay	—	• F35DA • F44DA
K2	K2	KR73 Ignition Main Relay	—	• F24DA • F28DA • F29DA
K3	K3	—	—	• Not Used

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X51A Fuse Block - Instrument Panel X1



3240123

Connector Part Information

Harness Type: Body

OEM Connector: 13967687

Service Connector: 19329455

Description: 44-Way F 1.5, 2.8, 800 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	19301752	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available
III	—	—	—	Not Available	Not Available	Not Available	Not Available

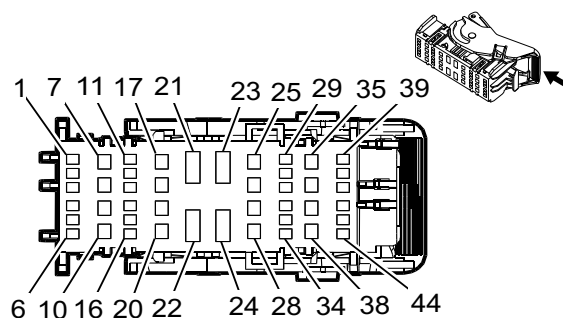
X51A Fuse Block - Instrument Panel X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/BN	2240	Battery Positive Voltage	II	—
2	0.5	RD/GY	2840	Battery Positive Voltage	II	—
3	0.35	RD/YE	3040	Battery Positive Voltage	II	—
4	0.5	RD/WH	2040	Battery Positive Voltage	II	—
5	0.5	RD/L-GN	4440	Battery Positive Voltage	II	—
6 - 13	—	—	—	Not Occupied	—	—
14	0.5	RD/L-BU	3240	Battery Positive Voltage	II	—
15	—	—	—	Not Occupied	—	—
16	0.35	RD/VT	1940	Battery Positive Voltage	II	—
17	2.5	RD/YE	3740	Battery Positive Voltage	I	—
18	1.5	RD/WH	2740	Battery Positive Voltage	I	—
19	1.5	RD/VT	2640	Battery Positive Voltage	I	—
20	—	—	—	Not Occupied	—	—
21	10	RD/VT	842	Battery Positive Voltage	III	—
22	—	—	—	Not Occupied	—	—
23	10	RD/L-BU	42	Battery Positive Voltage	III	—
24	—	—	—	Not Occupied	—	—

X51A Fuse Block - Instrument Panel X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
25	2.5	RD/L-BU	1240	Battery Positive Voltage	I	—
26	—	—	—	Not Occupied	—	—
27	2.5	RD/YE	5040	Battery Positive Voltage	I	—
28 - 29	—	—	—	Not Occupied	—	—
30	0.75	VT/BK	1239	Run/Crank Ignition 1 Voltage	II	—
31	—	—	—	Not Occupied	—	—
32	0.35	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	II	—
33 - 34	—	—	—	Not Occupied	—	—
35	2.5	RD/WH	1340	Battery Positive Voltage	I	—
36	2.5	RD/BN	1440	Battery Positive Voltage	I	—
37 - 41	—	—	—	Not Occupied	—	—
42	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	II	—
43	0.35	GY/VT	755	RAP Relay Coil Control	II	—
44	0.35	VT	801	Retained Accessory Power Fuse Control	II	—

X51A Fuse Block - Instrument Panel X2



3240119

Connector Part Information

Harness Type: Body

OEM Connector: 13967688

Service Connector: 19329456

Description: 44-Way F 1.5, 2.8, 800 Metri-Pack Series (GY)

Terminal Part Information

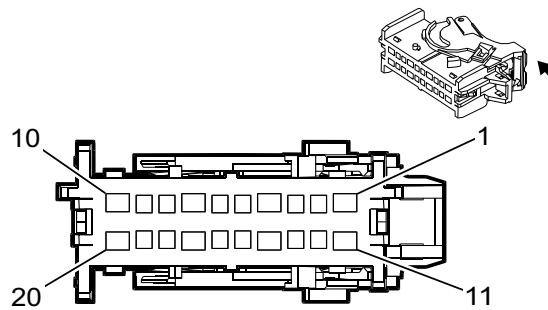
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301752	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
III	19301761	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X51A Fuse Block - Instrument Panel X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	YE	6817	LED Backlight Dimming Control	IV	—
4	0.35	BN	6136	Control	IV	—
5	0.5	RD/L-BU	540	Battery Positive Voltage	IV	—
6	—	—	—	Not Occupied	—	—
7	2.5	RD/VT	4040	Battery Positive Voltage	II	—
8	0.35	RD/WH	6440	Battery Positive Voltage	I	—
9	—	—	—	Not Occupied	—	—
10	1.5	VT	2101	Retained Accessory Power Fuse Ignition	II	—
11 - 13	—	—	—	Not Occupied	—	—
14	0.5	RD/VT	340	Battery Positive Voltage	IV	—
15	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	IV	—
16 - 17	—	—	—	Not Occupied	—	—
18	2.5	RD/L-GN	2440	Battery Positive Voltage	II	—
19	—	—	—	Not Occupied	—	—
20	1.5	VT	1701	Retained Accessory Power Ignition	II	—

X51A Fuse Block - Instrument Panel X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21 - 24	—	—	—	Not Occupied	—	—
25	0.5	RD/VT	3340	Battery Positive Voltage	I	—
26	—	—	—	Not Occupied	—	—
27	0.5	RD/WH	640	Battery Positive Voltage	I	—
28	0.5	VT/BK	1639	Run/Crank Ignition 1 Voltage	I	—
29 - 34	—	—	—	Not Occupied	—	—
35	1	RD/VT	340	Battery Positive Voltage	III	—
36	—	—	—	Not Occupied	—	—
37	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	I	—
38	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	—
39 - 43	—	—	—	Not Occupied	—	—
44	0.75	BK	2050	Ground	IV	—

X51A Fuse Block - Instrument Panel X3

3240104

Connector Part Information

Harness Type: Body

OEM Connector: 15547106

Service Connector: 13597270

Description: 20-Way F 1.5, 2.8 OCS Series (BK)

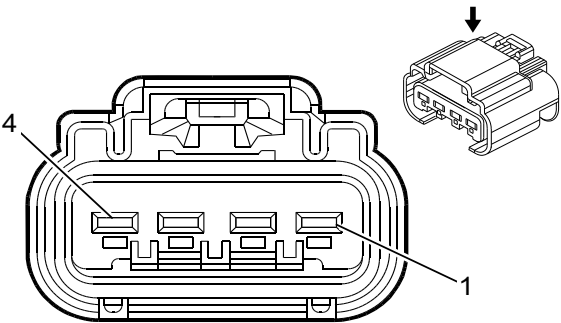
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	19300649	J-35616-4A (PU)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
II	19301767	J-35616-2A (GY)	J-38125-560	Not Available	Not Available	Not Available	Not Available

X51A Fuse Block - Instrument Panel X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 10	—	—	—	Not Occupied	—	—
11	0.5	VT	4601	Retained Accessory Power Fused Control	I	—
12	0.75	RD/L-GN	3140	Battery Positive Voltage	II	—
13	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	II	—
14	0.35	VT/WH	1139	Run/Crank Ignition 1 Voltage	I	—
15 - 20	—	—	—	Not Occupied	—	—

Component Connector End Views
A7 Fuel Pump and Level Sensor Assembly (LCV/LGZ)



1962075

Connector Part Information

Harness Type: Chassis
OEM Connector: 13527865
Service Connector: 13587174
Description: 4-Way F 280 GT Series, Sealed (NA)

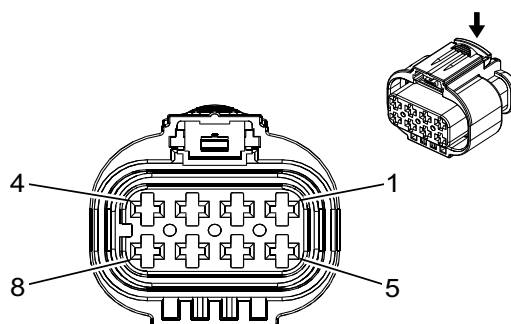
Terminal Part Information

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

A7 Fuel Pump and Level Sensor Assembly (LCV/LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	GY	120	Fuel Pump Control	I	—
2	2.5	BK/L-GN	1580	Fuel Pump Low Reference	I	—
3	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	—
4	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	I	—

A7 Fuel Pump and Level Sensor Assembly (LWN)



3749581

Connector Part Information

Harness Type: Chassis

OEM Connector: 2109441-2

Service Connector: —

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

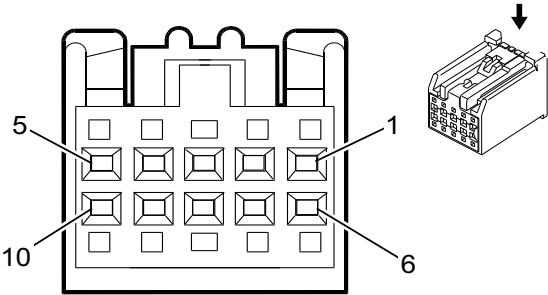
Terminal Part Information

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

A7 Fuel Pump and Level Sensor Assembly (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	2.5 2.5	GY GY	120 120	Fuel Pump Control Fuel Pump Control	II I	LWN LWN+CREW CAB
4	2.5 2.5	BK BK	1950 1950	Ground Ground	II I	LWN LWN+CREW CAB
5	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	I	—
6	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	—
7 - 8	—	—	—	Not Occupied	—	—

A10 Inside Rearview Mirror



2180211

Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2PB-10P-2AK
Service Connector: 13577390
Description: 10-Way F 0.64 Kaizen Series (BK)

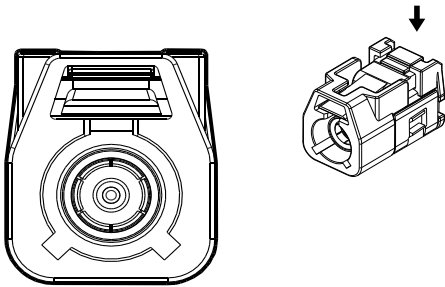
Terminal Part Information

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

A10 Inside Rearview Mirror

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	24	Backup Lamp Control	I	—
2	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	—
3	0.35	L-GN/WH	2514	Keypad Signal	II	—
4	0.5	L-GN/BK	2515	Keypad Control	I	—
5	0.5	BK	3150	Ground	I	—
6	0.35	YE/VT	2516	Keypad Green LED Control	II	—
7	0.35	BN/WH	2517	Keypad Red LED Control	II	—
8 - 10	—	—	—	Not Occupied	—	—

A11 Radio X8 ((IOS/IOT)+U2K)



3530727

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13586878
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (CU)

Terminal Part Information

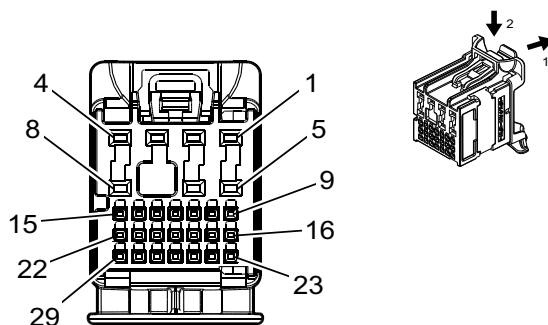
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X8 ((IOS/IOT)+U2K)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(XM +/-HD) Coaxial Antenna XM Signal	I	—

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A11 Radio X2 ((IOS/IOT)+UQ3)



4578560

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 160014-0001

Service Connector: 19355494

Description: 29-Way F 0.5 NANO, 1.2 MCON 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	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

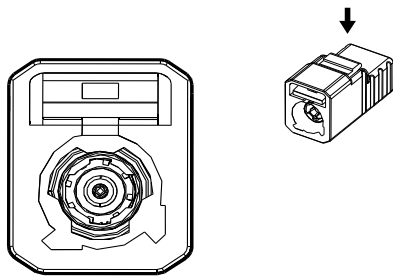
A11 Radio X2 ((IOS/IOT)+UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-GN	199	Left Rear Speaker Control (+)	I	—
2	0.75	L-BU	201	Left Front Speaker Control (+) 1	I	—
3	0.75	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
4	0.75	L-BU/BK	115	Right Rear Speaker Signal (-)	I	—
5	0.75	BN/L-BU	118	Left Front Speaker Signal (-) 1	I	—
6	0.75	YE	200	Right Front Speaker Control (+) 1	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	WH	46	Right Rear Speaker Control (+)	I	—
9	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	II	—
10	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	II	—
11	0.35	L-BU/L-GN	1304	High Speed GMLAN Serial Data (+)9	II	—
12	0.35	WH/L-GN	1305	High Speed GMLAN Serial Data (-)9	II	—
13	0.35	L-GN/WH	24	Backup Lamp Control	II	—
14 - 17	—	—	—	Not Occupied	—	—
18	0.5	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	III	—
19 - 27	—	—	—	Not Occupied	—	—

A11 Radio X2 ((IOS/IOT)+UQ3) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
28	0.5	WH/L-BU	5986	Serial Data Communication Enable	III	—
29	—	—	—	Not Occupied	—	—

A11 Radio X5 ((IOS/IOT)+UVB)



4883495

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13583902
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (OG)

Terminal Part Information

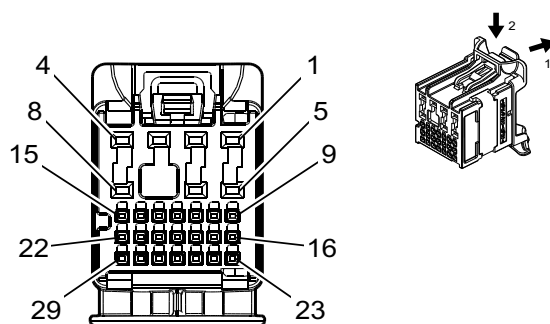
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X5 ((IOS/IOT)+UVB)

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

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A11 Radio X1 (IOR)



4584346

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 160014-0002

Service Connector: 13506123

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

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

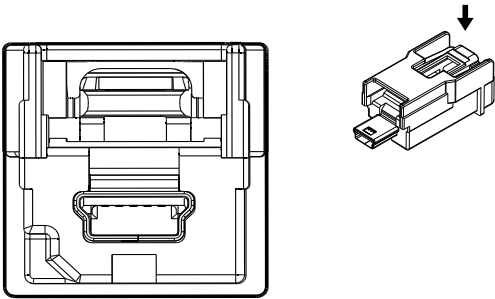
A11 Radio X1 (IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/VT	340	Battery Positive Voltage	I	—
2	0.75	RD/VT	340	Battery Positive Voltage	I	—
3	0.75	BK/WH	2051	Signal Ground	I	—
4	0.35	L-BU/RD	2807	Radio Keypad Voltage Reference	I	—
5	0.35	BK/L-GN	2804	Radio Display Backlight Low Reference	I	—
6	0.75	BK/WH	2051	Signal Ground	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	L-GN/BK	116	Left Rear Speaker Signal (-)	I	—
9	0.35	GY/L-BU	2803	Radio Display Touch Interrupt Request Signal	II	—
10	—	—	—	Not Occupied	—	—
11	0.35	L-GN/WH	24	Backup Lamp Control	II	—
12	0.35	GY/L-GN	1102	Low Speed GMLAN Serial Data #2	II	—
13 - 14	—	—	—	Not Occupied	—	—
15	0.35	L-BU/GY	2808	Radio Keypad Dimming Control	II	—
16 - 20	—	—	—	Not Occupied	—	—
21	0.35	GY/VT	3363	Navigation Display Dimming Control	II	—
22	0.35	L-BU/L-GN	2813	Radio Display Backlight Dimming Control	II	—
23	—	—	—	Not Occupied	—	—

A11 Radio X1 (IOR) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
24	0.35	BN/WH	2809	Radio Keypad Power Signal	II	—
25	0.35	VT/WH	2810	Radio Keypad Button Signal	II	—
26	0.35	L-BU	4315	Radio Volume Up Signal	II	—
27	0.35	GY/BN	4314	Radio Volume Down Signal	II	—
28 - 29	—	—	—	Not Occupied	—	—

A11 Radio X4 (IOR)



2807491

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13576673
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (GY)

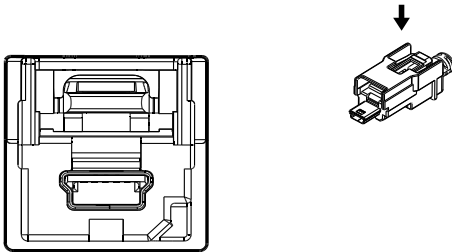
Terminal Part Information

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

A11 Radio X4 (IOR)

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

A11 Radio X5 (IOR)



2807425

Connector Part Information

Harness Type: Instrument Panel USB
OEM Connector: 13576672
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 5-Way M 2.0 Mini-B USB Type (BK)

Terminal Part Information

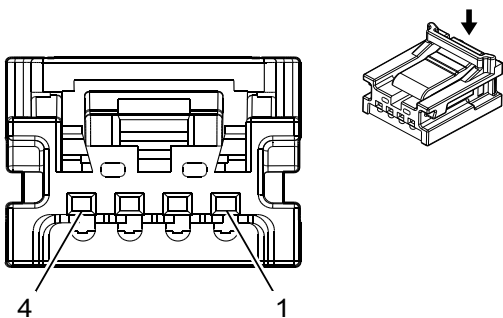
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X5 (IOR)

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

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A11 Radio X6 (IOR)



4215060

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 34791-5140
Service Connector: 19354840
Description: 4-Way F Mini 50 Series (BK)

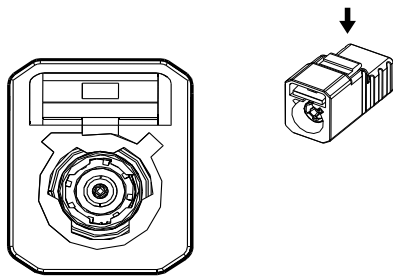
Terminal Part Information

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

A11 Radio X6 (IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.35	GY/WH	7211	Ethernet Bus 4 (+)	I	—
3	0.35	GY	7210	Ethernet Bus 4 (-)	I	—
4	—	—	—	Not Occupied	—	—

A11 Radio X3 (IOR+U2K)



3420249

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13581686
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Terminal Part Information

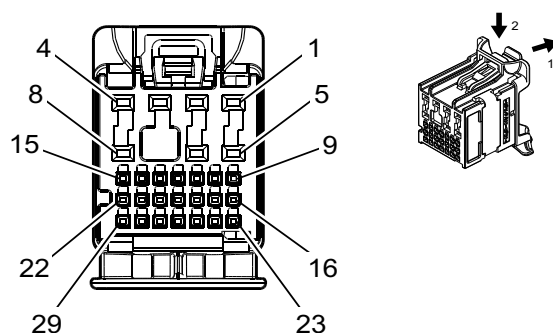
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X3 (IOR+U2K)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(AM/FM) Antenna RF Signal	I	—

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A11 Radio X2 (IOR+UQ3)



4584398

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 160014-0003

Service Connector: 13506123

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

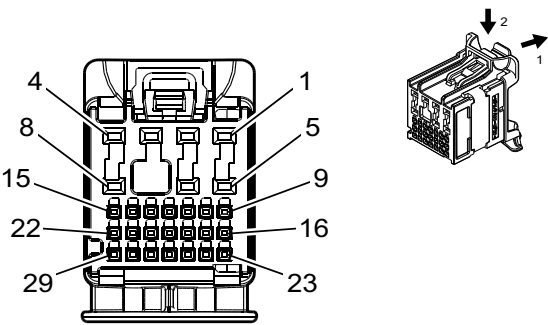
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	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

A11 Radio X2 (IOR+UQ3)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	L-GN	199	Left Rear Speaker Control (+)	I	—
2	0.75	L-BU	201	Left Front Speaker Control (+) 1	I	—
3	0.75	YE	200	Right Front Speaker Control (+) 1	I	—
4	0.75	L-BU/BK	115	Right Rear Speaker Signal (-)	I	—
5	0.75	BN/L-BU	118	Left Front Speaker Signal (-) 1	I	—
6	0.75	YE/BK	117	Right Front Speaker Signal (-) 1	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	WH	46	Right Rear Speaker Control (+)	I	—
9	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	II	—
10	0.35	GY/YE	5149	Voice Recognition Audio Signal	II	—
11	—	—	—	Not Occupied	—	—
12	0.35	GY/YE	6972	Camera Signal 2 +	II	—
13	0.35	WH/L-BU	6973	Camera Signal 2	II	—
14 - 29	—	—	—	Not Occupied	—	—

A11 Radio X1 (IOS/IOT)



4496253

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 160014-0004
Service Connector: 13506123
Description: 29-Way F 0.5 NANO, 1.2 MCON Series Sealed (BK)

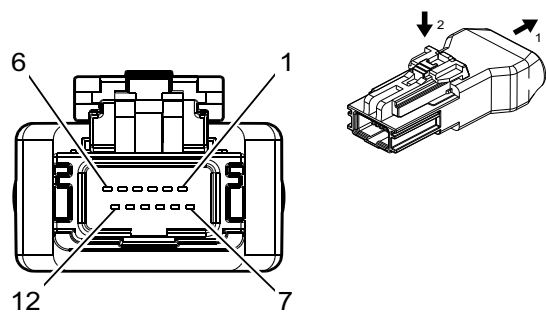
Terminal Part Information

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 Avail-able	Not Avail-able	Not Avail-able
II	19354361	EL-35616-58 (BK)	EL-38125-58	Not Available	Not Avail-able	Not Avail-able	Not Avail-able

A11 Radio X1 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/VT	340	Battery Positive Voltage	I	—
2	0.75	RD/VT	340	Battery Positive Voltage	I	—
3	0.75	BK/WH	2051	Signal Ground	I	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.75	BK/WH	2051	Signal Ground	I	—
7	—	—	—	Not Occupied	—	—
8	0.75	L-GN/BK	116	Left Rear Speaker Signal (-)	I	—
9	0.35	GY/YE	5149	Voice Recognition Audio Signal	II	—
10	0.35	BK/GY	5152	Voice Recognition Audio Low Reference	II	—
11	0.35	VT/YE	7043	Microphone (+) Signal	II	—
12	0.35	L-BU/BK	7044	Microphone (-) Low Reference	II	—
13 - 29	—	—	—	Not Occupied	—	—

A11 Radio X3 (IOS/IOT)



4584321

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13511515
Service Connector: —
Description: 12-Way M 2.0 HSAL-2 Series (GY)

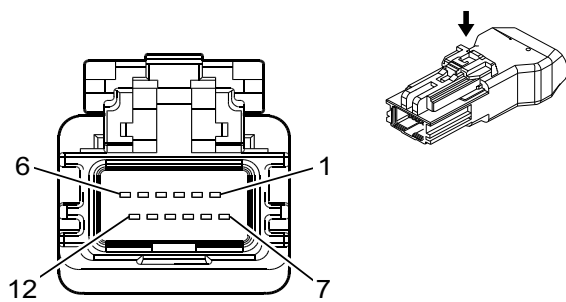
Terminal Part Information

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

A11 Radio X3 (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 - 12	—	—	—	Not Occupied	—	—

A11 Radio X4 (IOS/IOT)



4527210

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13511514
Service Connector: -
Description: 12-Way M 2.0 HSAL-2 Series (BK)

Terminal Part Information

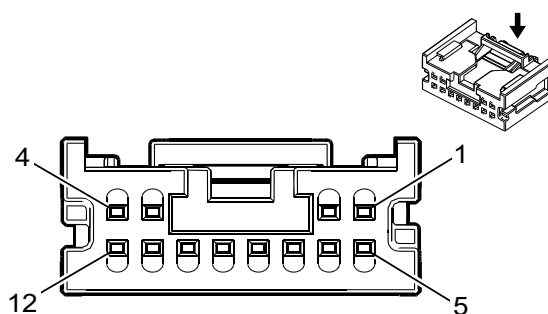
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

A11 Radio X4 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 6	—	—	—	Not Occupied	—	—
7	0.35	RD	3149	USB Serial Data Control	I	—
8	0.35	WH	3147	USB D (-) Serial Data	I	—
9	0.35	L-GN	3146	USB D (+) Serial Data	I	—
10	0.35	BK	3148	USB Serial Data Low Reference	I	—
11 - 12	—	—	—	Not Occupied	—	—

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A11 Radio X6 (IOS/IOT)



3824362

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 34824-5124

Service Connector: 13507121

Description: 12-Way F Mini 50 Series (BK)

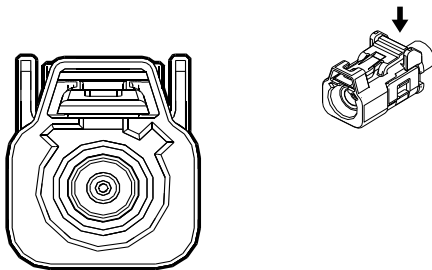
Terminal Part Information

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

A11 Radio X6 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	GY/L-BU	7217	Ethernet Bus 7 (+)	I	—
4	0.35	BN/L-BU	7216	Ethernet Bus 7 (-)	I	—
5 - 7	—	—	—	Not Occupied	—	—
8	0.35	GY/BK	7215	Ethernet Bus 6 (+)	I	—
9	0.35	BN/BK	7214	Ethernet Bus 6 (-)	I	—
10	—	—	—	Not Occupied	—	—
11	0.35	GY/WH	7211	Ethernet Bus 4 (+)	I	—
12	0.35	GY	7210	Ethernet Bus 4 (-)	I	—

A11 Radio X7 (IOS/IOT)



2871907

Connector Part Information

Harness Type: Instrument Panel COAX
OEM Connector: 13580595
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (BK)

Terminal Part Information

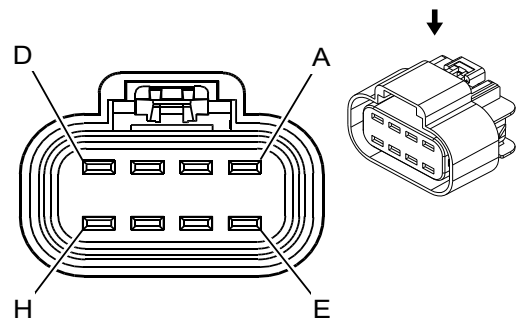
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

A11 Radio X7 (IOS/IOT)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
—	—	Coax	—	(AM/FM) Antenna RF Signal	I	—

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A16 Transfer Case Motor



646372

Connector Part Information

Harness Type: Engine
OEM Connector: 13538370
Service Connector: 19329743
Description: 8-Way F 280 GT Series, Sealed (BK)

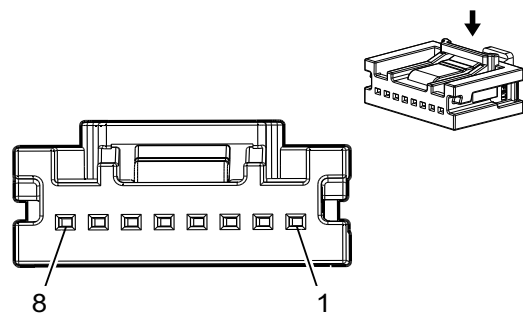
Terminal Part Information

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

A16 Transfer Case Motor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	YE/GY	1552	Transfer Case Motor Clockwise Control	I	—
B	2.5	RD/GY	1342	Battery Positive Voltage	I	—
C	2.5	YE/BN	1569	Transfer Case Lock Solenoid Control	I	—
D	2.5	YE/VT	1553	Transfer Case Motor Counter Clockwise Control	I	—
E	0.5	L-BU/GY	7473	Incremental Encoder Impulse Signal	I	—
F	0.5	YE	7474	Incremental Encoder Direction Signal	I	—
G	0.5	WH/L-GN	7475	Incremental Encoder Sensor 8V Reference	I	—
H	0.5	VT	7476	Incremental Encoder Sensor Low Reference	I	—

A22 Radio Controls (IOR)



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

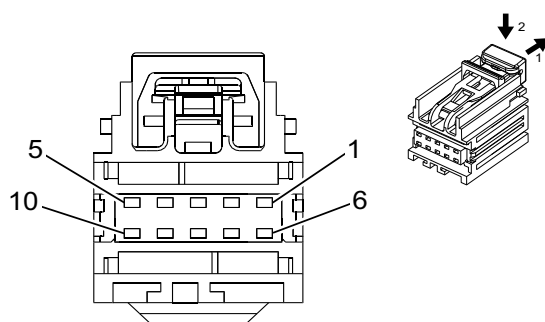
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	EL-35616-58 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A22 Radio Controls (IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU/RD	2807	Radio Keypad Voltage Reference	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	BN/WH	2809	Radio Keypad Power Signal	I	—
4	0.35	BK/YE	2806	Radio Keypad Low Reference	I	—
5	0.35	L-BU/GY	2808	Radio Keypad Dimming Control	I	—
6	0.35	VT/WH	2810	Radio Keypad Button Signal	I	—
7	0.35	L-BU	4315	Radio Volume Up Signal	I	—
8	0.35	GY/BN	4314	Radio Volume Down Signal	I	—

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A23D Door Latch Assembly - Driver



4622549

Connector Part Information

Harness Type: Driver Door

OEM Connector: 7289-5068-60

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 0.64 YESC Kaizen Series (GN)

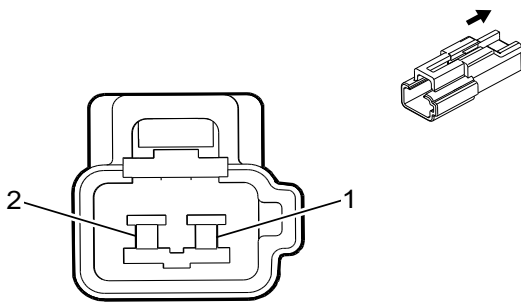
Terminal Part Information

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

A23D Door Latch Assembly - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	745	Left Front Door Ajar Switch Signal	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	BK	3550	Ground	I	—
4	0.35	WH/VT	3270	Driver Door Lock Motor Status Signal	I	—
5	0.35	L-BU/VT	1124	Door Lock Key Switch Unlock Signal	I	—
6	—	—	—	Not Occupied	—	—
7	0.75	GY	5911	Door Lock Actuator Lock Control 2	I	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9 - 10	—	—	—	Not Occupied	—	—

A23G Door Latch Assembly - Left Rear Lower



4141662

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7282-6160
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (NA)

Terminal Part Information

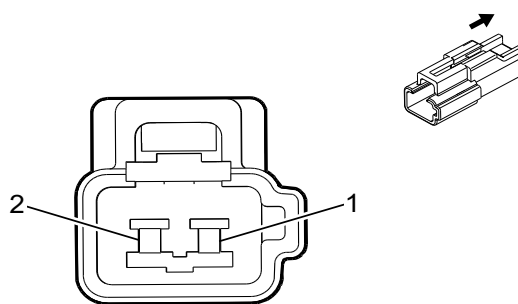
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23G Door Latch Assembly - Left Rear Lower

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3350	Ground	I	—
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	—

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A23H Door Latch Assembly - Left Rear Upper



4141662

Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 7282-6160

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way M 090 Series (NA)

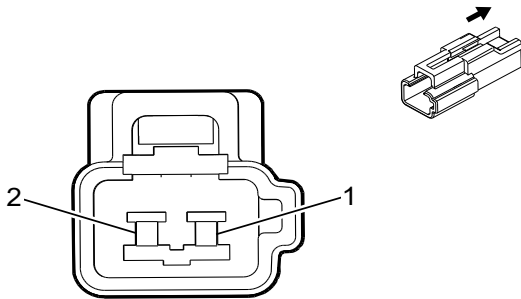
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23H Door Latch Assembly - Left Rear Upper

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3350	Ground	I	—
2	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	—

A23J Door Latch Assembly - Right Rear Lower



4141662

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7282-6160
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way M 090 Series (NA)

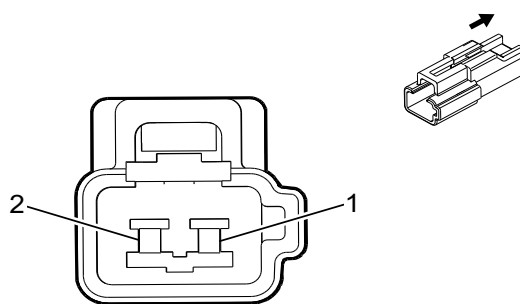
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23J Door Latch Assembly - Right Rear Lower

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3450	Ground	I	—
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	—

A23K Door Latch Assembly - Right Rear Upper



4141662

Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 7282-6160

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way M 090 Series (NA)

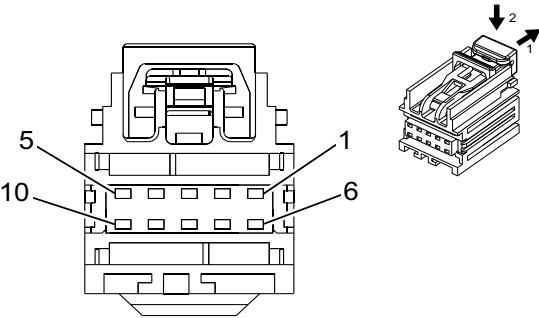
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-19 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

A23K Door Latch Assembly - Right Rear Upper

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	3450	Ground	I	—
2	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	—

A23LR Door Latch Assembly - Left Rear (Crew Cab)



4622549

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 7289-5068-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

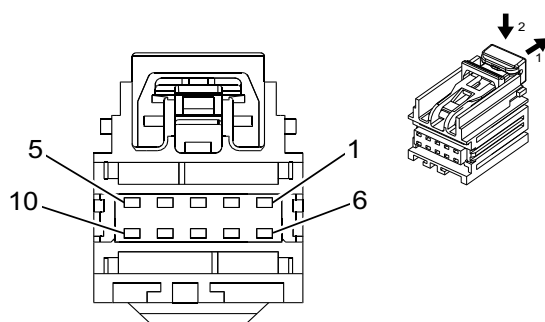
Terminal Part Information

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

A23LR Door Latch Assembly - Left Rear (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	747	Left Rear Door Ajar Switch Signal	I	—
2	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	—
3	0.35	BK	3350	Ground	I	—
4 - 6	—	—	—	Not Occupied	—	—
7	0.75	GY	295	Door Lock Actuator Lock Control	I	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	WH/L-BU	3266	Child Security Lock Motor Lock Control	I	—
10	—	—	—	Not Occupied	—	—

A23P Door Latch Assembly - Passenger



4622549

Connector Part Information

Harness Type: Passenger Door

OEM Connector: 7289-5068-60

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 0.64 YESC Kaizen Series (GN)

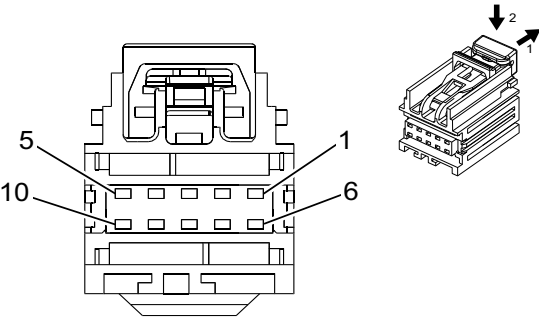
Terminal Part Information

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

A23P Door Latch Assembly - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	BK	3650	Ground	I	—
4	—	—	—	Not Occupied	—	—
5	0.35	GY	746	Right Front Door Ajar Switch Signal	I	—
6 - 7	—	—	—	Not Occupied	—	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	GY	295	Door Lock Actuator Lock Control	I	—
10	—	—	—	Not Occupied	—	—

A23RR Door Latch Assembly - Right Rear



4622549

Connector Part Information

Harness Type: Right Rear Door
OEM Connector: 7289-5068-60
Service Connector: Service by Harness - See Part Catalog
Description: 10-Way F 0.64 YESC Kaizen Series (GN)

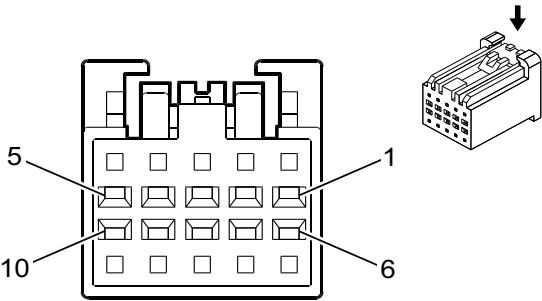
Terminal Part Information

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

A23RR Door Latch Assembly - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 2	—	—	—	Not Occupied	—	—
3	0.35	BK	3450	Ground	I	—
4	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	—
5	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	—
6	—	—	—	Not Occupied	—	—
7	0.75	WH/L-BU	3266	Child Security Lock Motor Lock Control	I	—
8	0.75	BN/YE	294	Door Lock Actuator Unlock Control	I	—
9	0.75	GY	295	Door Lock Actuator Lock Control	I	—
10	—	—	—	Not Occupied	—	—

A26 HVAC Controls



2840038

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: AIT2PB-10P-2BH
Service Connector: 13581139
Description: 10-Way F 0.64 Kaizen Series (GY)

Terminal Part Information

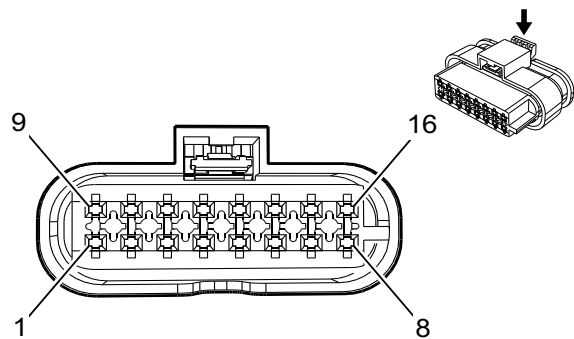
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575742	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P
II	13575867	J-35616-64B (LT BU)	J-38125-215A	SAIT-A03T-M064	Yazaki 14	P	P

A26 HVAC Controls

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	RD/GY	2840	Battery Positive Voltage	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	L-GN	5060	Low Speed GMLAN Serial Data	II	—
4 - 8	—	—	—	Not Occupied	—	—
9	0.35	L-GN/YE	7531	Local Interconnect Network Serial Data Bus 9	II	—
10	0.35	BK/WH	2051	Signal Ground	II	—

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A38 Reductant Pump and Sensor Assembly (LWN)



4259227

Connector Part Information

Harness Type: Reductant Assembly
OEM Connector: Not Available
Service Connector: Service by Harness - See Part Catalog
Description: 15-Way

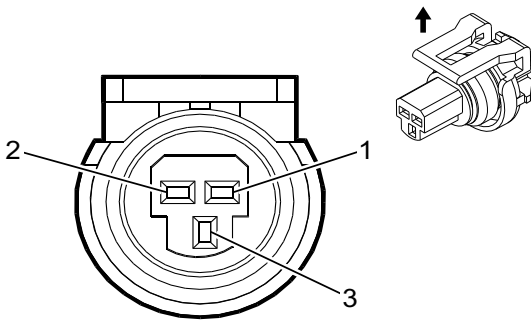
Terminal Part Information

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

A38 Reductant Pump and Sensor Assembly (LWN)

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

B1 A/C Refrigerant Pressure Sensor (LCV/LGZ)



2909191

Connector Part Information

Harness Type: Engine
OEM Connector: 13846842
Service Connector: 19301715
Description: 3-Way F 150 GT Series, Sealed (BK)

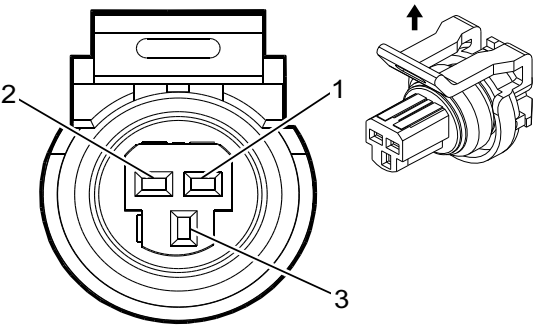
Terminal Part Information

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

B1 A/C Refrigerant Pressure Sensor (LCV/LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	—
2	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	I	—
3	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	—

B1 A/C Refrigerant Pressure Sensor (LWN)



1519475

Connector Part Information

Harness Type: Engine
OEM Connector: 13532244
Service Connector: 88988301
Description: 3-Way F 150 GT Series, Sealed (BK)

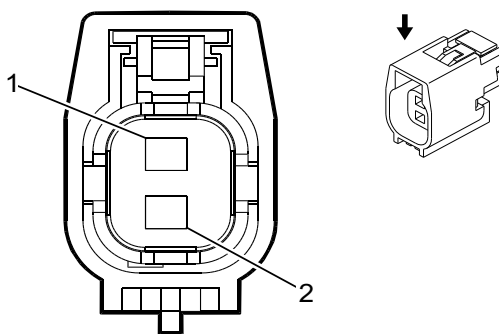
Terminal Part Information

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

B1 A/C Refrigerant Pressure Sensor (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	I	—
2	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	I	—
3	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	I	—

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B5LF Wheel Speed Sensor - Left Front

2152684

Connector Part Information

Harness Type: Chassis

OEM Connector: 7287-0973-30

Service Connector: 13586115

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

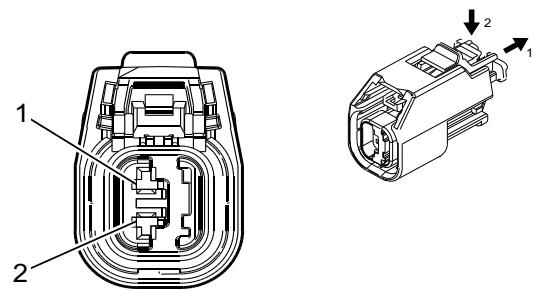
Terminal Part Information

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

B5LF Wheel Speed Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	7064	Wheel Speed Sensor Control Left Front	I	—
2	0.5	GY	830	Wheel Speed Sensor Signal Left Front	I	—

B5LF Wheel Speed Sensor - Left Front



4889830

Connector Part Information

Harness Type: Chassis
OEM Connector: 33164011
Service Connector: 13586115
Description: 2-Way F 1.5 OCS Series, Sealed (BK)

Terminal Part Information

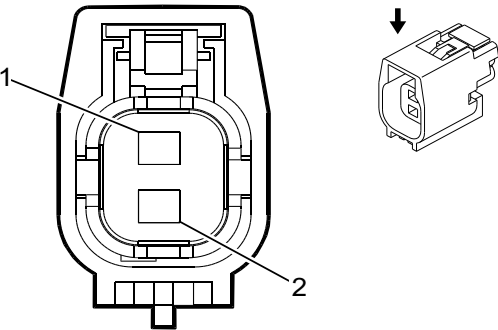
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required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

B5LF Wheel Speed Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	7064	Wheel Speed Sensor Control Left Front	I	—
	0.5	GY/WH	7064	Wheel Speed Sensor Control Left Front	II	—
2	0.5	GY	830	Wheel Speed Sensor Signal Left Front	II	—

cardiagn.com

B5LR Wheel Speed Sensor - Left Rear



2152684

Connector Part Information

Harness Type: Chassis
OEM Connector: 7287-0973-30
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

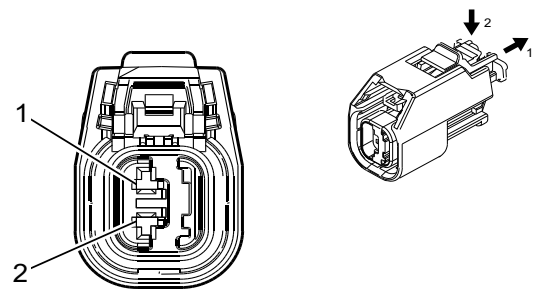
Terminal Part Information

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

B5LR Wheel Speed Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BK	7127	Wheel Speed Sensor Control Left Rear	I	—
2	0.5	L-BU	884	Wheel Speed Sensor Signal Left Rear	I	—

B5LR Wheel Speed Sensor - Left Rear



4889830

Connector Part Information

Harness Type: Chassis
OEM Connector: 33164011
Service Connector: 13586115
Description: 2-Way F 1.5 OCS Series, Sealed (BK)

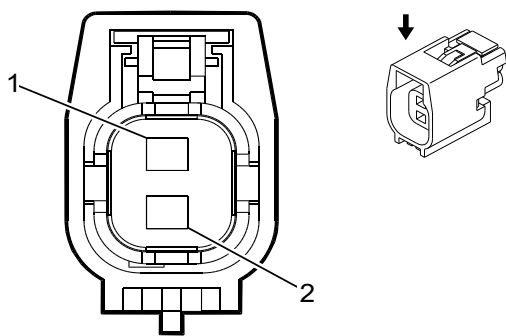
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (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

B5LR Wheel Speed Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BK	7127	Wheel Speed Sensor Control Left Rear	II	—
2	0.5	BU	884	Wheel Speed Sensor Signal Left Rear	I	—

B5RF Wheel Speed Sensor - Right Front



2152684

Connector Part Information

Harness Type: Chassis
OEM Connector: 7287-0973-30
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

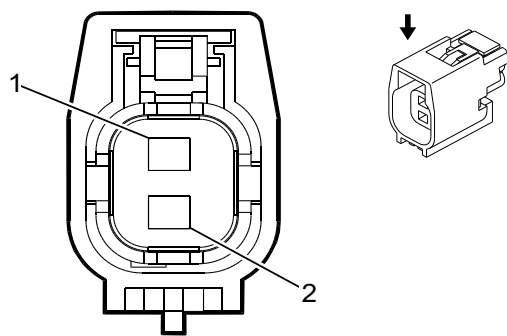
Terminal Part Information

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

B5RF Wheel Speed Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/BN	7065	Wheel Speed Sensor Control Right Front	I	—
2	0.5	YE	872	Wheel Speed Sensor Signal Right Front	I	—

B5RR Wheel Speed Sensor - Right Rear



2152684

Connector Part Information

Harness Type: Chassis
OEM Connector: 7287-0973-30
Service Connector: 13586115
Description: 2-Way F 1.5 GT Series, Sealed (BK)

Terminal Part Information

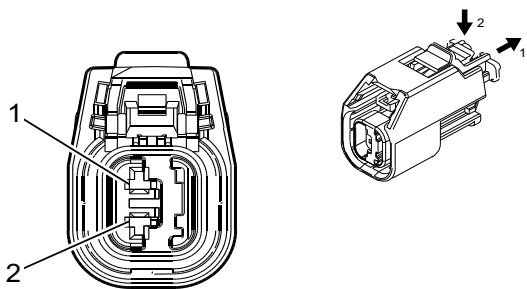
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B5RR Wheel Speed Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	7128	Wheel Speed Sensor Control Right Rear	I	—
2	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	I	—

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B5RR Wheel Speed Sensor - Right Rear



4889830

Connector Part Information

Harness Type: Chassis
OEM Connector: 33164011
Service Connector: 13586115
Description: 2-Way F 1.5 OCS Series, Sealed (BK)

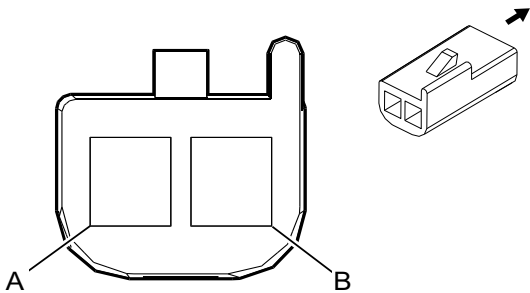
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (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

B5RR Wheel Speed Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	7128	Wheel Speed Sensor Control Right Rear	I	—
2	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	II	—

B7B Air Temperature Sensor - Duct Lower



82383

Connector Part Information

Harness Type: HVAC
OEM Connector: 12047662
Service Connector: Service by Harness - See Part Catalog
Description: 2-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	Not Required	Not Required	Not Required	Not Required

B7B Air Temperature Sensor - Duct Lower

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	20	BN	518	Lower Left Air Temperature Sensor Signal	I	—
B	22	BK/YE	407	Sensor Low Reference	I	—

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B7F Air Temperature Sensor - Duct Upper**Connector Part Information**

Harness Type: HVAC

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way

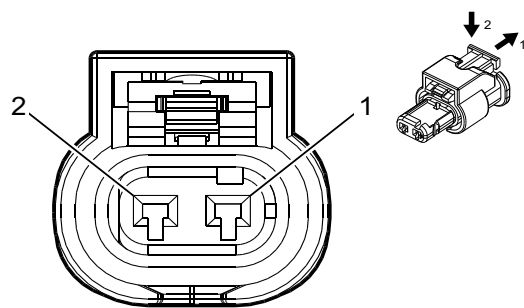
Terminal Part Information

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

B7F Air Temperature Sensor - Duct Upper

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	BN	516	Upper Left Air Temperature Sensor Signal	I	—
B	—	BK/YE	407	Sensor Low Reference	I	—

B9 Ambient Air Temperature Sensor



2698576

Connector Part Information

Harness Type: Front Body
OEM Connector: 13580179
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

Terminal Part Information

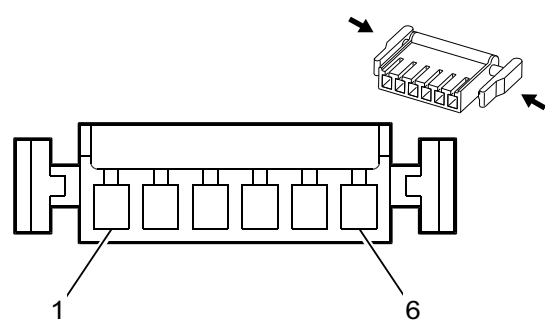
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B9 Ambient Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BU/GY	636	Outside Ambient Air Temperature Sensor Signal	I	—
2	0.5	BK/BU	61	Outside Ambient Temperature Sensor Low Reference	I	—

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B10B Ambient Light/Sunload Sensor



2173602

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 13726957
Service Connector: 13576539
Description: 6-Way F 0.64 Micro-Quadlock Series (BK)

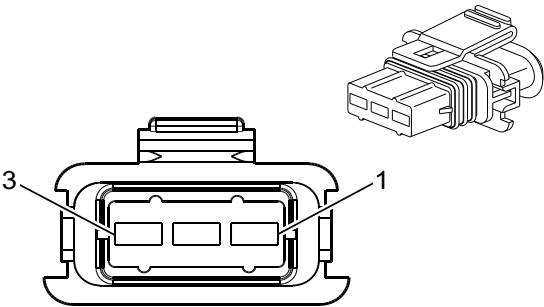
Terminal Part Information

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

B10B Ambient Light/Sunload Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	GY	728	Security Indicator Control	I	—
2	—	—	—	Not Occupied	—	—
3	0.35	L-BU/WH	734	Inside Air Temperature Sensor Signal	I	—
4	0.35	YE/VT	1783	Twilight Sentinel Delay Signal	I	—
5	0.35	WH/L-BU	278	Ambient Light Sensor Signal	I	—
6	0.35	BK/YE	1791	Air Temperature Door Control Low Reference	I	—

B14A Transmission Output Shaft Speed Sensor (N8D)



1282881

Connector Part Information

Harness Type: Engine
OEM Connector: 1928403110
Service Connector: 19329746
Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

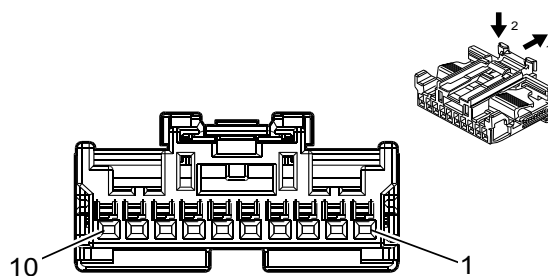
Terminal Part Information

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

B14A Transmission Output Shaft Speed Sensor (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	—
2	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	—
3	0.5	L-BU/RD	1688	5V Reference	I	—

B15 Transmission Internal Mode Switch (M5T)



4051038

Connector Part Information

Harness Type: Transmission Control

OEM Connector: 2138504-1

Service Connector: Service by Harness - See Part Catalog

Description: 10-Way F 0.64 Generation Y Series (BN)

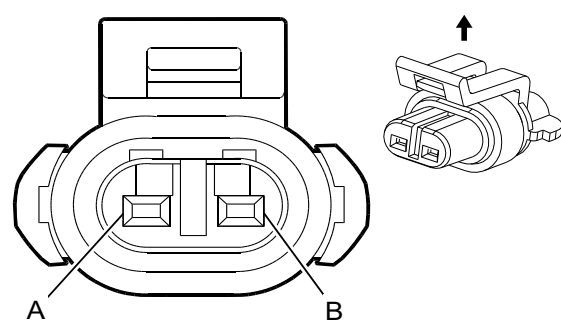
Terminal Part Information

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

B15 Transmission Internal Mode Switch (M5T)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	I	—
2	0.5	BK/GY	3927	IMS Mode Switch Low Reference	I	—
3	—	—	—	Not Occupied	—	—
4	0.5	YE/BU	4171	Transmission Position Sensor A 9V Reference	I	—
5	0.5	VT/WH	5981	PRNDL A Signal	I	—
6	0.5	WH/BK	5983	PRNDL C Signal	I	—
7	0.5	GY/YE	4169	PRNDL S Signal	I	—
8	0.5	GY/BN	5982	PRNDL B Signal	I	—
9	0.5	GY/WH	4168	PRNDL P Signal	I	—
10	0.5	YE/GN	4170	Transmission Position Sensor B 9V Reference	I	—

B16 Backup Lamp Switch



2352552

Connector Part Information

Harness Type: Engine
OEM Connector: 12158214
Service Connector: 13580106
Description: 2-Way F 150 Metri-Pack Series, Sealed (BK)

Terminal Part Information

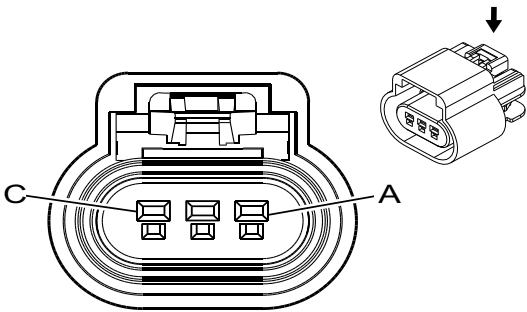
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

B16 Backup Lamp Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/WH	5007	Reverse Switch Signal	I	—
B	0.5	BK/WH	451	Signal Ground	I	—

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B18 Battery Current Sensor



646415

Connector Part Information

Harness Type: Body
OEM Connector: 13519047
Service Connector: -
Description: 3-Way F 150 GT Series, Sealed (BK)

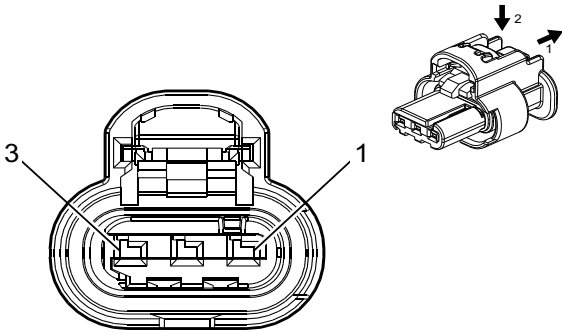
Terminal Part Information

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

B18 Battery Current Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU/VT	5076	Current Sensor Control	I	—
B	0.5	BK/VT	5077	Current Sensor Low Reference	I	—
C	0.5	WH/YE	5075	Current Sensor Signal	I	—

B19B Brake Booster Vacuum Sensor



4581126

Connector Part Information

Harness Type: Chassis
OEM Connector: 1-2296695-1
Service Connector: 19366844
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

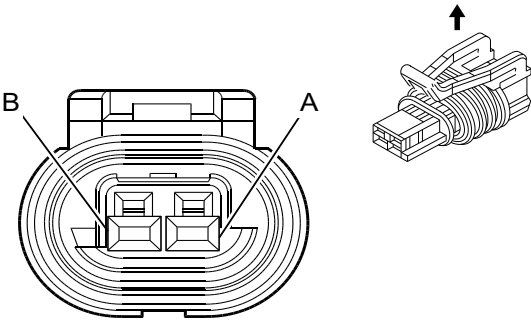
Terminal Part Information

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

B19B Brake Booster Vacuum Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	I	—
2	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	I	—
3	0.5	YE/RD	6031	Brake Vacuum Sensor 5V Reference	I	—

B20 Brake Fluid Level Switch



1538760

Connector Part Information

Harness Type: Chassis
OEM Connector: 15449028
Service Connector: 88987993
Description: 2-Way F 150 GT Series, Sealed (BK)

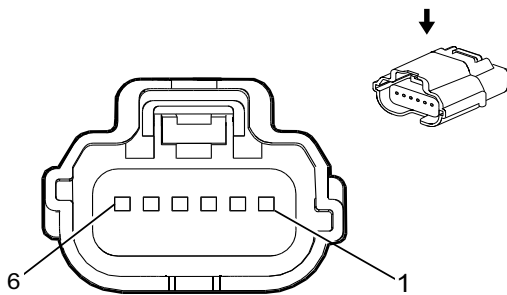
Terminal Part Information

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

B20 Brake Fluid Level Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK/WH	551	Signal Ground	I	—
B	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	I	—

B22 Brake Pedal Position Sensor (MYB)



3270302

Connector Part Information

Harness Type: Body
OEM Connector: 31404-6810
Service Connector: 19304011
Description: 6-Way F 64 Series, Sealed (NA)

Terminal Part Information

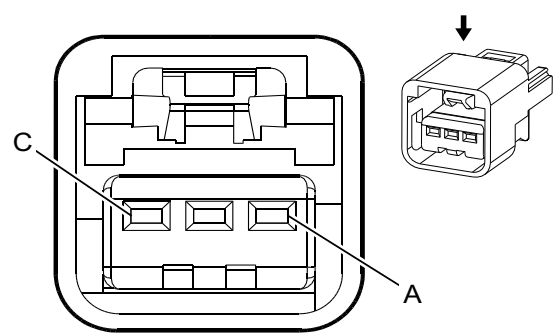
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B22 Brake Pedal Position Sensor (MYB)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	—
2	0.5	WH	5359	Brake Apply Sensor Control	I	—
3	0.5	L-BU/YE	5361	Brake Apply Sensor Signal	I	—
4	0.5	WH/L-GN	5380	Brake Position Sensor Signal	I	—
5	0.5	BK/YE	5382	Brake Position Sensor Low Reference	I	—
6	0.5	WH/RD	5381	Brake Position Sensor 5V Reference	I	—

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B22 Brake Pedal Position Sensor (N8D)



1243663

Connector Part Information

Harness Type: Body
OEM Connector: 15332132
Service Connector: 88953364
Description: 3-Way F 150 GT Series (BK)

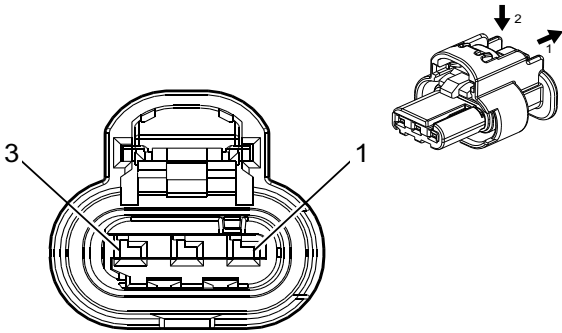
Terminal Part Information

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

B22 Brake Pedal Position Sensor (N8D)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH	5359	Brake Apply Sensor Control	I	—
B	0.5	L-BU/YE	5361	Brake Apply Sensor Signal	I	—
C	0.5	BK/BN	5360	Brake Apply Sensor Low Reference	I	—

B23 Camshaft Position Sensor



4581126

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296695-1
Service Connector: 19366844
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

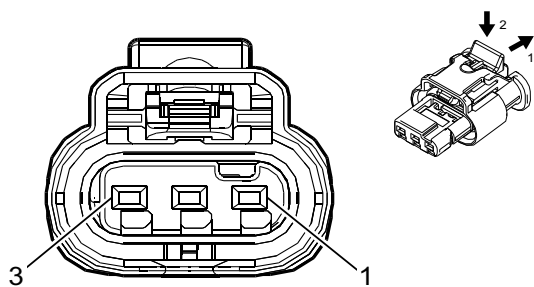
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23 Camshaft Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	I	—
2	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
3	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—

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B23A Camshaft Position Sensor - Bank 1 Exhaust



4256077

Connector Part Information

Harness Type: Engine
OEM Connector: 4-2272004-1
Service Connector: 19352065
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

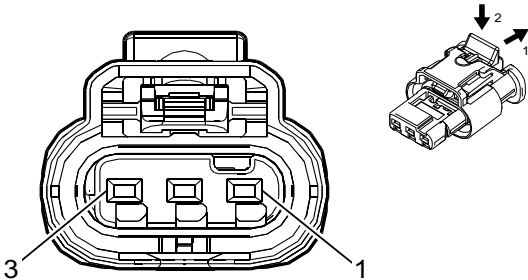
Terminal Part Information

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

B23A Camshaft Position Sensor - Bank 1 Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Control 1	I	—
2	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference 1	I	—
3	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor 1	I	—

B23B Camshaft Position Sensor - Bank 1 Intake



4256077

Connector Part Information

Harness Type: Engine
OEM Connector: 4-2272004-1
Service Connector: 19352065
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

Terminal Part Information

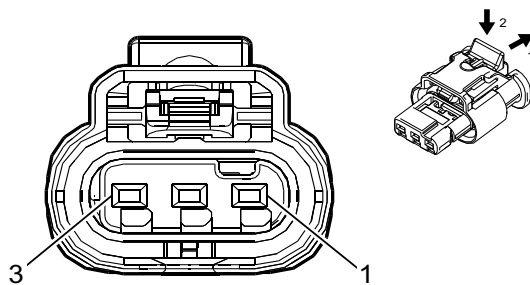
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23B Camshaft Position Sensor - Bank 1 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	I	—
2	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
3	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—

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B23C Camshaft Position Sensor - Bank 2 Exhaust



4256077

Connector Part Information

Harness Type: Engine
OEM Connector: 4-2272004-1
Service Connector: 19352065
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

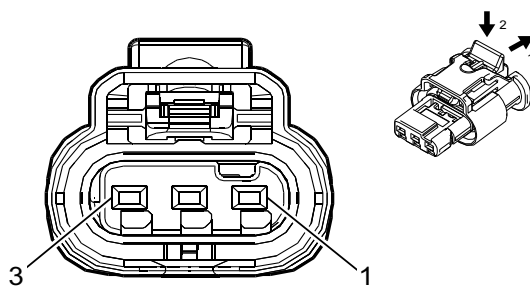
Terminal Part Information

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

B23C Camshaft Position Sensor - Bank 2 Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/BN	5298	Camshaft Position Exhaust Sensor Control 2	I	—
2	0.5	BK/BN	5299	Camshaft Position Exhaust Sensor Low Reference 2	I	—
3	0.5	VT/L-BU	5274	Camshaft Position Exhaust Sensor 2	I	—

B23D Camshaft Position Sensor - Bank 2 Intake



4256077

Connector Part Information

Harness Type: Engine
OEM Connector: 4-2272004-1
Service Connector: 19352065
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

Terminal Part Information

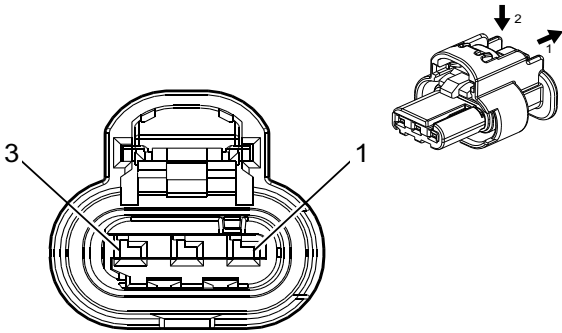
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23D Camshaft Position Sensor - Bank 2 Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-BU	5302	Camshaft Position Intake Sensor Control 2	I	—
2	0.5	BK/VT	5303	Camshaft Position Intake Sensor Low Reference 2	I	—
3	0.5	YE	5276	Camshaft Position Intake Sensor 2	I	—

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B23E Camshaft Position Sensor - Exhaust



4581126

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296695-1
Service Connector: 19366844
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

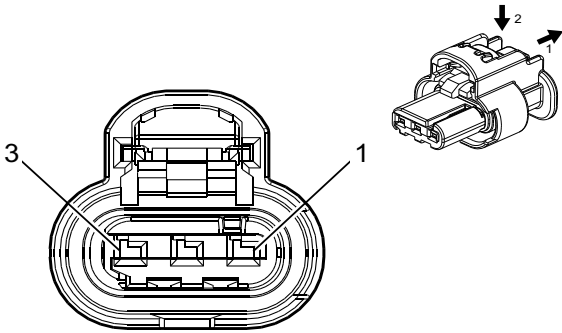
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B23E Camshaft Position Sensor - Exhaust

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Control 1	I	—
2	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference 1	I	—
3	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor 1	I	—

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B23F Camshaft Position Sensor - Intake



4581126

Connector Part Information

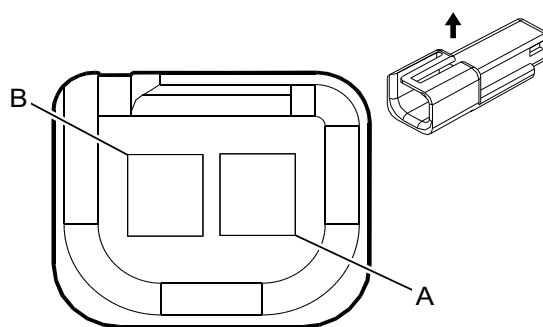
Harness Type: Engine
OEM Connector: 1-2296695-1
Service Connector: 19366844
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

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

B23F Camshaft Position Sensor - Intake

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	I	—
2	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	I	—
3	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	I	—

B24LF Mobile Telephone Microphone - Left Front

35441

Connector Part Information

Harness Type: Headliner

OEM Connector: 12047663

Service Connector: 13584278

Description: 2-Way M 150 Metri-Pack Series (BK)

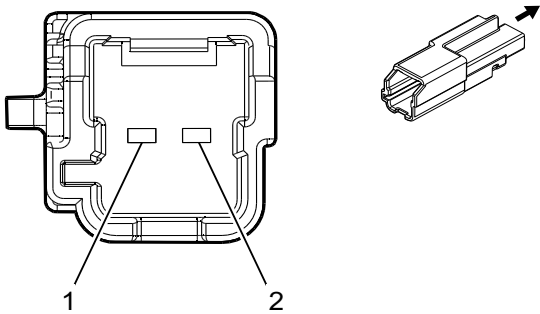
Terminal Part Information

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

B24LF Mobile Telephone Microphone - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.35	BK/BN	654	Cellular Telephone Microphone Low Reference	I	—
B	0.35	L-BU	655	Cellular Telephone Microphone Signal	I	—

B24RF Mobile Telephone Microphone - Right Front



4116495

Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-7679
Service Connector: 19332377
Description: 2-Way M 1.2 Series (GY)

Terminal Part Information

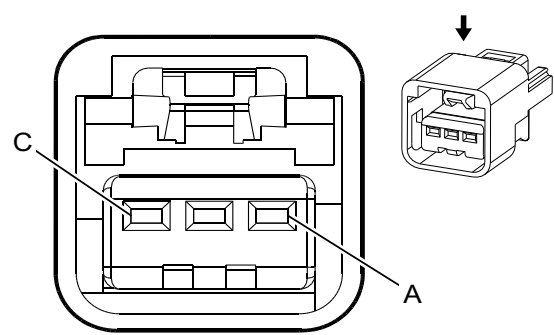
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-17 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B24RF Mobile Telephone Microphone - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU/BK	7044	Microphone (-) Low Reference	I	—
2	0.35	VT/YE	7043	Microphone (+) Signal	I	—

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B25B Clutch Pedal Position Sensor



1243663

Connector Part Information

Harness Type: Body
OEM Connector: 15332132
Service Connector: 88953364
Description: 3-Way F 150 GT Series (BK)

Terminal Part Information

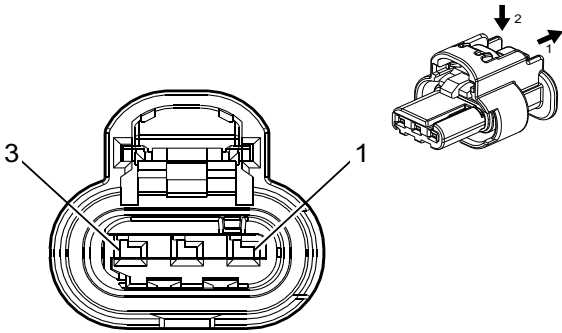
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B25B Clutch Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	GY/RD	6109	Clutch Apply Sensor 5V Reference	I	—
B	0.5	YE	6111	Clutch Apply Sensor Signal	I	—
C	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	I	—

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B26 Crankshaft Position Sensor (LCV/LWN)



4581126

Connector Part Information

Harness Type: Engine
OEM Connector: 1-2296695-1
Service Connector: 19366844
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

Terminal Part Information

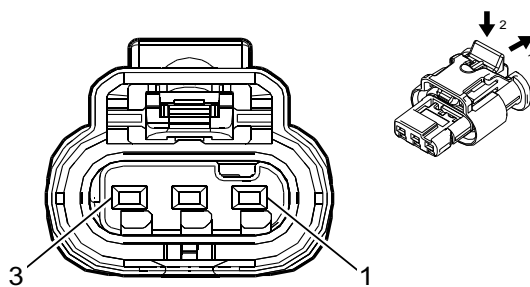
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B26 Crankshaft Position Sensor (LCV/LWN)

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

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B26 Crankshaft Position Sensor (LGZ)



4256077

Connector Part Information

Harness Type: Engine
OEM Connector: 4-2272004-1
Service Connector: 19352065
Description: 3-Way F 1.2 MCP Series, Sealed (BN)

Terminal Part Information

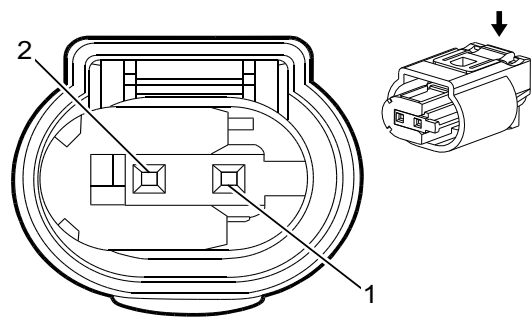
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B26 Crankshaft Position Sensor (LGZ)

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

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B34 Engine Coolant Temperature Sensor (LCV)



1869767

Connector Part Information

Harness Type: Engine
OEM Connector: 1-967644-1
Service Connector: 13576533
Description: 2-Way F 0.64 Micro-Quadlock Series, Sealed (BK)

Terminal Part Information

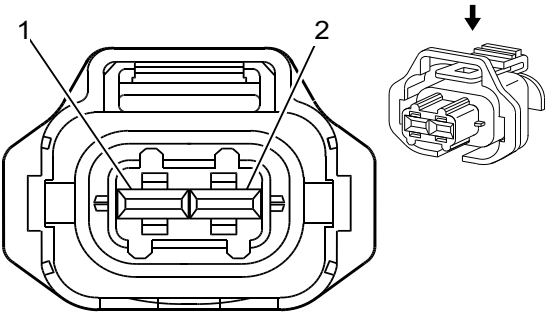
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B34 Engine Coolant Temperature Sensor (LCV)

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

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B34 Engine Coolant Temperature Sensor (LWN)



1403270

Connector Part Information

Harness Type: Engine
OEM Connector: 1928403698
Service Connector: -
Description: 2-Way F 2.8 Junior Power Timer Series, Sealed (BK)

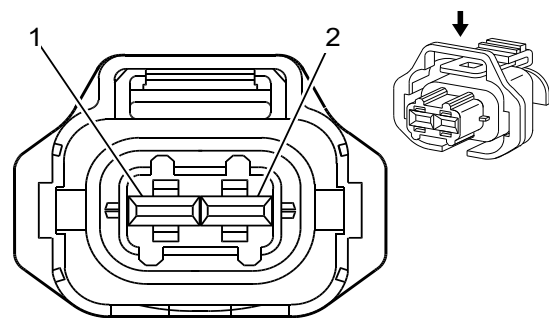
Terminal Part Information

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

B34 Engine Coolant Temperature Sensor (LWN)

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

B35 Engine Oil Level Switch (LCV)



784092

Connector Part Information

Harness Type: Engine
OEM Connector: 1928403874
Service Connector: 88988963
Description: 2-Way F 2.8 Kompakt Series, Sealed (BK)

Terminal Part Information

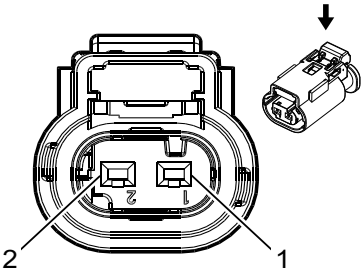
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B35 Engine Oil Level Switch (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/WH	1451	Signal Ground	I	—
2	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	—

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B35 Engine Oil Level Switch (LGZ)



2717066

Connector Part Information

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

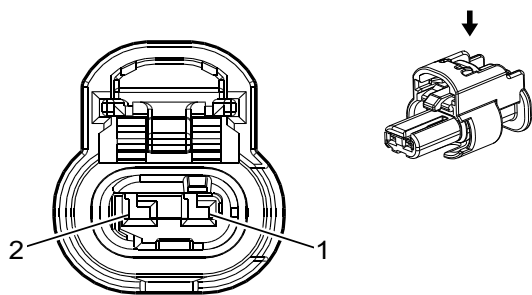
Terminal Part Information

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

B35 Engine Oil Level Switch (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK	650	Ground	I	—
2	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	—

B35 Engine Oil Level Switch (LWN)



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

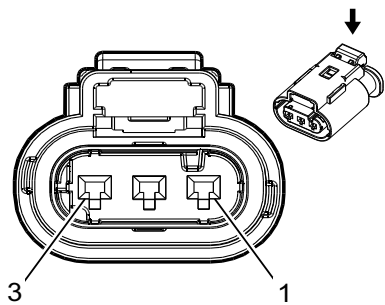
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B35 Engine Oil Level Switch (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/L-GN	1174	Oil Level Switch Signal	I	—
2	0.75	BK/WH	151	Signal Ground	I	—

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B37B Engine Oil Pressure Sensor (LCV)



2717069

Connector Part Information

Harness Type: Engine
OEM Connector: 10010341
Service Connector: 19299690
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

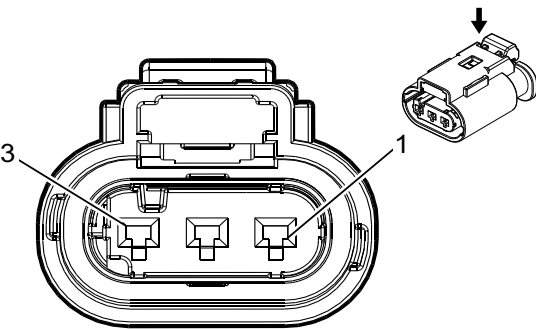
Terminal Part Information

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

B37B Engine Oil Pressure Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
2	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—
3	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—

B37B Engine Oil Pressure Sensor (LGZ/LWN)



3240107

Connector Part Information

Harness Type: Engine
OEM Connector: 10010344
Service Connector: 19301717
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

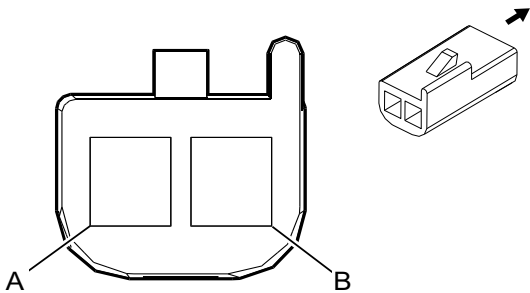
Terminal Part Information

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

B37B Engine Oil Pressure Sensor (LGZ/LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/BN	331	Oil Pressure Sensor Signal	I	—
2	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	I	—
3	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	I	—

B39 A/C Evaporator Temperature Sensor



82383

Connector Part Information

Harness Type: HVAC
OEM Connector: 12047662
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 150 Metri-Pack Series (BK)

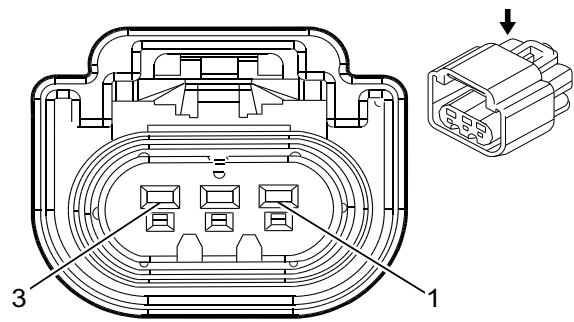
Terminal Part Information

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	Not Required	Not Required	Not Required	Not Required

B39 A/C Evaporator Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	22	GY	6137	EVAP Core Temperature Sensor Signal	I	—
B	22	BK/YE	407	Sensor Low Reference	I	—

B47 Fuel Pressure Sensor



1860942

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511131
Service Connector: 19168035
Description: 3-Way F 150 GT Series, Sealed (BK)

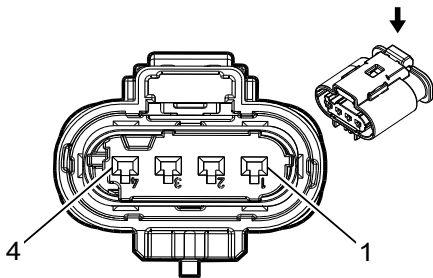
Terminal Part Information

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

B47 Fuel Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	I	—
2	0.5	BK/YE	7447	Fuel Line Pressure Sensor Low Reference	I	—
3	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	I	—

B47B Fuel Rail Pressure Sensor



2717079

Connector Part Information

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

Terminal Part Information

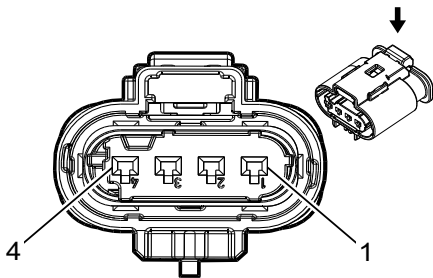
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B47B Fuel Rail Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	I	—
2	0.5	BN/YE	2161	Fuel Rail Pressure Sensor 2 Signal	I	—
3	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	I	—
4	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	—

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B52A Heated Oxygen Sensor 1 (LCV)



2717079

Connector Part Information

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

Terminal Part Information

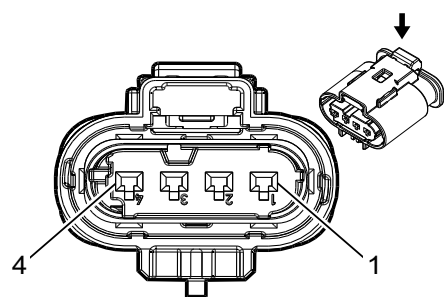
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52A Heated Oxygen Sensor 1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	I	—
2	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	I	—
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	I	—

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B52B Heated Oxygen Sensor 2



2717096

Connector Part Information

Harness Type: Engine
OEM Connector: 10010347
Service Connector: 13587298
Description: 4-Way F 1.2 Multilock Series, Sealed (L-GY)

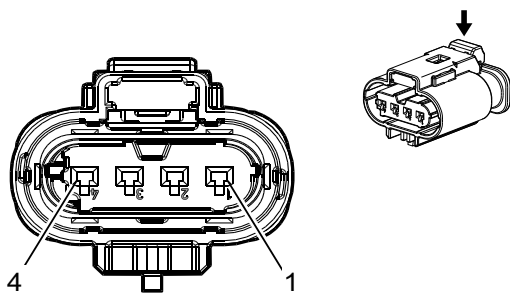
Terminal Part Information

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

B52B Heated Oxygen Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	I	—
2	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	I	—
3	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	I	—
4	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	I	—

B52C Heated Oxygen Sensor Bank 1 Sensor 1 (LGZ)



4036370

Connector Part Information

Harness Type: Engine
OEM Connector: 10021266
Service Connector: 19330920
Description: 4-Way F 1.2 Multilock Series, Sealed (GY)

Terminal Part Information

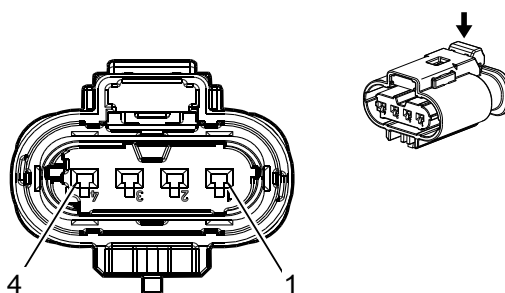
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B52C Heated Oxygen Sensor Bank 1 Sensor 1 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	I	—
2	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	I	—
4	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	I	—

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B52D Heated Oxygen Sensor - Bank 1 Sensor 2



4036370

Connector Part Information

Harness Type: Engine

OEM Connector: 10021266

Service Connector: 19330920

Description: 4-Way F 1.2 Multilock Series, Sealed (GY)

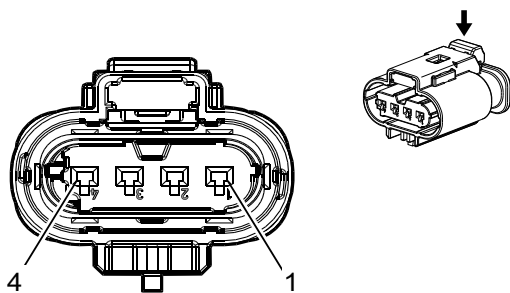
Terminal Part Information

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

B52D Heated Oxygen Sensor - Bank 1 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	I	—
2	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	I	—
3	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	I	—
4	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	I	—

B52E Heated Oxygen Sensor - Bank 2 Sensor 1



4036370

Connector Part Information

Harness Type: Engine
OEM Connector: 10021266
Service Connector: 19330920
Description: 4-Way F 1.2 Multilock Series, Sealed (GY)

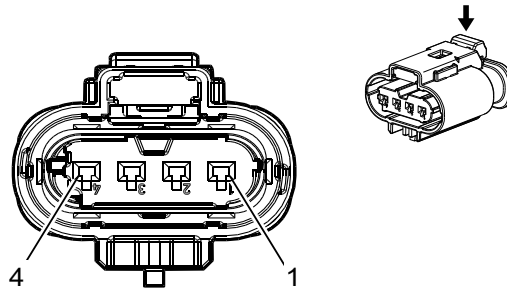
Terminal Part Information

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

B52E Heated Oxygen Sensor - Bank 2 Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	I	—
2	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	I	—
3	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	I	—
4	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	I	—

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B52F Heated Oxygen Sensor - Bank 2 Sensor 2

4036370

Connector Part Information

Harness Type: Engine

OEM Connector: 10021266

Service Connector: 19330920

Description: 4-Way F 1.2 Multilock Series, Sealed (GY)

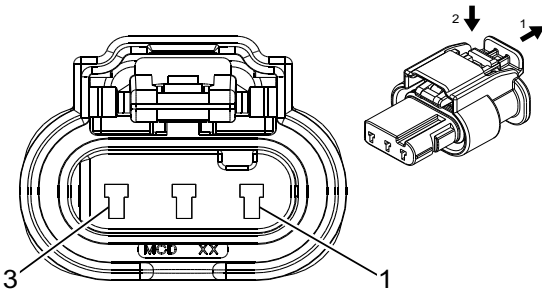
Terminal Part Information

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

B52F Heated Oxygen Sensor - Bank 2 Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 2	I	LGZ
2	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	I	LGZ
3	0.5	YE/BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor 2	I	LGZ
4	0.5	VT/GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor 2	I	LGZ

B55 Engine Hood Switch (ULV)



4421568

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 34900-3120
Service Connector: 19368220
Description: 3-Way F 1.2 MCON-LL Series, Sealed (BK)

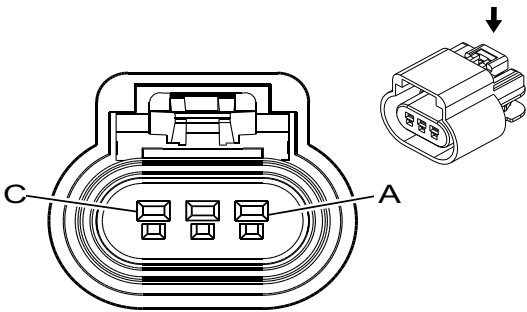
Terminal Part Information

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

B55 Engine Hood Switch (ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	BN/L-GN	109	Hood Ajar Switch Signal	I	—
3	0.75	BK	1250	Ground	I	—

B55 Engine Hood Switch (-ULV)



646415

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13519047
Service Connector: -
Description: 3-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

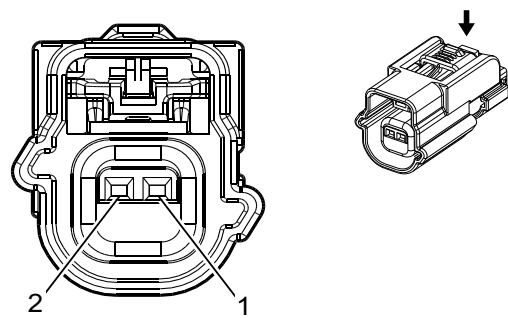
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B55 Engine Hood Switch (-ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	—	—	Not Occupied	—	—
B	0.5	BN/L-GN	109	Hood Ajar Switch Signal	I	—
C	0.75	BK	1250	Ground	I	—

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B59L Front Impact Sensor - Left



3931604

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 54390241
Service Connector: 19329742
Description: 2-Way F 0.64 Series, Sealed

Terminal Part Information

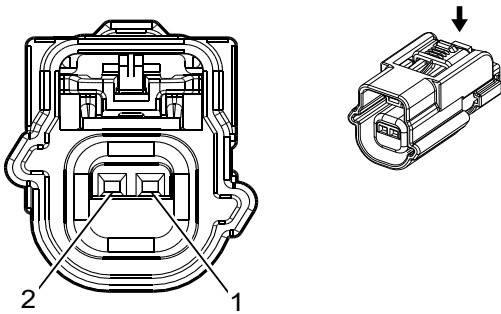
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B59L Front Impact Sensor - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	354	Left Front Discriminating Sensor Signal	I	—
2	0.5	BK/OG	5045	Left Front Discriminating Sensor Low Reference	I	—

cardiagn.com

B59R Front Impact Sensor - Right



3931604

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 54390241
Service Connector: 19329742
Description: 2-Way F 0.64 Series, Sealed

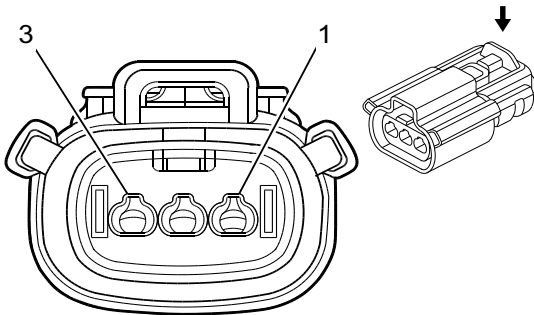
Terminal Part Information

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

B59R Front Impact Sensor - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	1409	Right Front Discriminating Sensor Signal	I	—
2	0.5	BK/OG	5600	Right Front Discriminating Sensor Low Reference	I	—

B61P Seat Belt Tension Sensor - Passenger



1862095

Connector Part Information

Harness Type: Passenger Seat Cushion
OEM Connector: 33471-0306
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.5 Series, Sealed (BK)

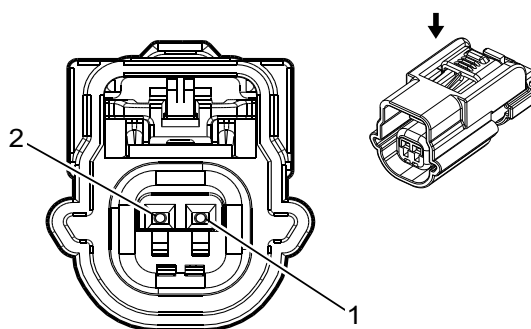
Terminal Part Information

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

B61P Seat Belt Tension Sensor - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	VT/OG	5611	Passenger Seat Belt Tension Sensor Signal	I	—
2	—	BK/WH	2251	Signal Ground	I	—
3	—	BU/RD	5612	Passenger Seat Belt Tension Sensor 5V Reference	I	—

B63LF Side Impact Sensor - Left Front



3556418

Connector Part Information

Harness Type: Driver Door

OEM Connector: 54390240

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 0.64 Series, Sealed (L-GY)

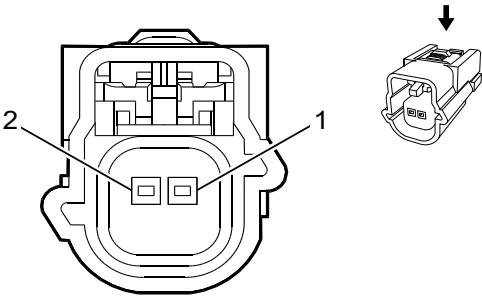
Terminal Part Information

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

B63LF Side Impact Sensor - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-GN	2132	Left Front Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6628	Left Front Side Impact Sensing Module Low Reference	I	—

B63LR Side Impact Sensor - Left Rear



2179777

Connector Part Information

Harness Type: Body
OEM Connector: 54390242
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

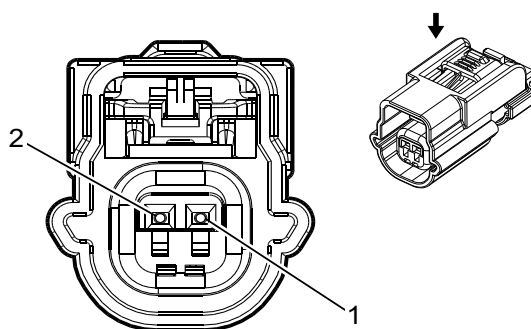
Terminal Part Information

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

B63LR Side Impact Sensor - Left Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/L-BU	6620	Left Middle Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6621	Left Middle Side Impact Sensing Module Low Reference	I	—

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B63RF Side Impact Sensor - Right Front

3556418

Connector Part Information

Harness Type: Passenger Door

OEM Connector: 54390240

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F 0.64 Series, Sealed (L-GY)

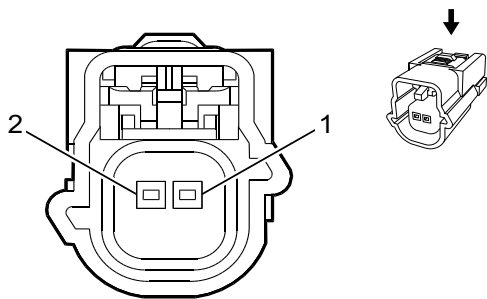
Terminal Part Information

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

B63RF Side Impact Sensor - Right Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BN/OG	2134	Right Front Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6629	Right Front Side Impact Sensing Module Low Reference	I	—

B63RR Side Impact Sensor - Right Rear



2179777

Connector Part Information

Harness Type: Body
OEM Connector: 54390242
Service Connector: 13585852
Description: 2-Way F 0.64 Series, Sealed (D-GY)

Terminal Part Information

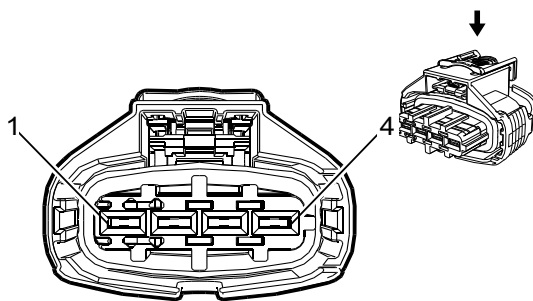
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-64B (LT BU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B63RR Side Impact Sensor - Right Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	OG/VT	6624	Right Middle Side Impact Sensing Module Signal	I	—
2	0.35	BK/OG	6625	Right Middle Side Impact Sensing Module Low Reference	I	—

cardiagn.com

B65 Intake Manifold Pressure and Air Temperature Sensor



2487930

Connector Part Information

Harness Type: Engine

OEM Connector: 1928405525

Service Connector: 13584423

Description: 4-Way F 2.8 Series, Sealed (BK)

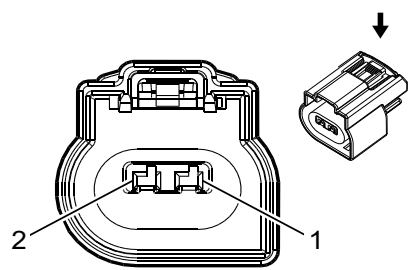
Terminal Part Information

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

B65 Intake Manifold Pressure and Air Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
2	0.5	BN	9348	Induction Air Temperature Sensor 3 Signal	I	—
3	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
4	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—

B68A Knock Sensor 1



2717073

Connector Part Information

Harness Type: Engine
OEM Connector: 34752-0204
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

Terminal Part Information

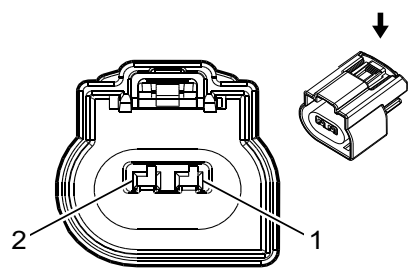
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68A Knock Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/GY	496	Knock Sensor Signal 1	I	—
2	0.5	BK/YE	1716	Knock Sensor Low Reference 1	I	—

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B68B Knock Sensor 2



2717073

Connector Part Information

Harness Type: Engine
OEM Connector: 34752-0204
Service Connector: 19301207
Description: 2-Way F 150 MX Series, Sealed (BK)

Terminal Part Information

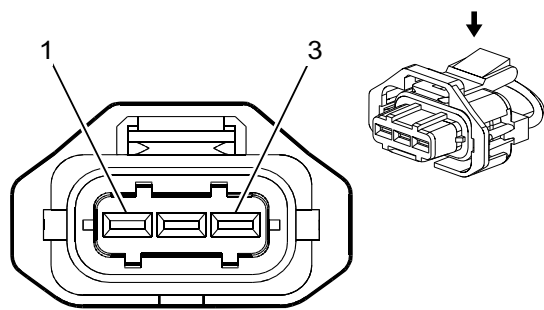
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B68B Knock Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/GY	1876	Knock Sensor Signal 2	I	—
2	0.5	BK/GY	2303	Knock Sensor Low Reference 2	I	—

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B74 Manifold Absolute Pressure Sensor (LCV)



1331443

Connector Part Information

Harness Type: Engine
OEM Connector: 1928403966
Service Connector: 13585850
Description: 3-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

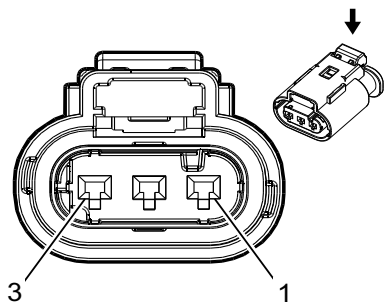
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B74 Manifold Absolute Pressure Sensor (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
2	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
3	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—

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B74 Manifold Absolute Pressure Sensor (LGZ)



2717069

Connector Part Information

Harness Type: Engine
OEM Connector: 10010341
Service Connector: 19299690
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

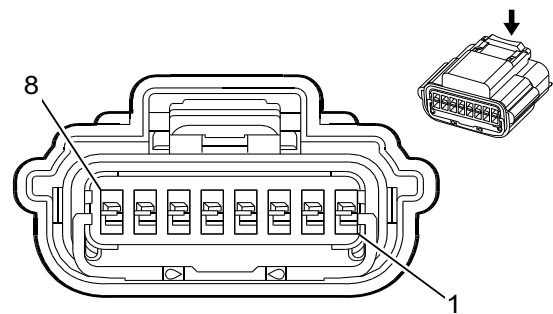
Terminal Part Information

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

B74 Manifold Absolute Pressure Sensor (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	I	—
2	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	I	—
3	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	I	—

B75C Multifunction Intake Air Sensor



2581486

Connector Part Information

Harness Type: Engine
OEM Connector: ATSSPB-C08C-1AK
Service Connector: 13583440
Description: 8-Way F 0.64 Series, Sealed (BK)

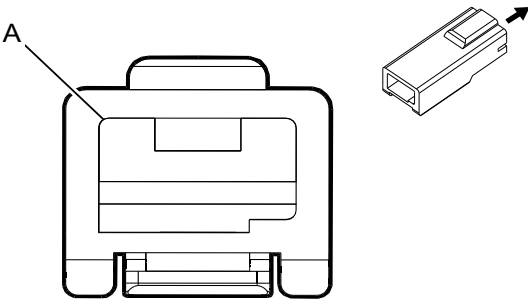
Terminal Part Information

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

B75C Multifunction Intake Air Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	I	—
2	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	I	—
3	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	I	LCV
	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference	I	LGZ
4	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	I	—
5	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	I	—
6	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	I	—
7	0.5	BK/WH	1451	Signal Ground	I	LCV
	0.5	BK/WH	151	Signal Ground	I	LGZ
	0.75	BK/WH	151	Signal Ground	I	LWN
8	0.5	BN/GY	4008	Humidity Sensor Signal	I	—

B80 Park Brake Switch



3240142

Connector Part Information

Harness Type: Body
OEM Connector: 13705266
Service Connector: 19301743
Description: 1-Way F 630 Metri-Pack Series (BK)

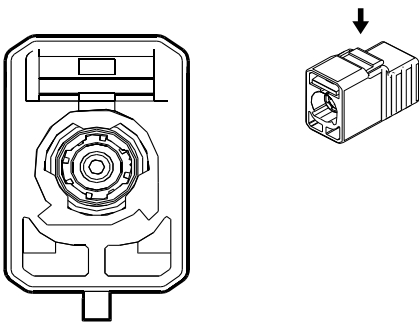
Terminal Part Information

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

B80 Park Brake Switch

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-BU/VT	1134	Park Brake Switch Signal	I	—

B87 Rearview Camera (UVB)



4991178

Connector Part Information

Harness Type: Rear Fascia COAX
OEM Connector: 13516347
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way F Coax Type (OG)

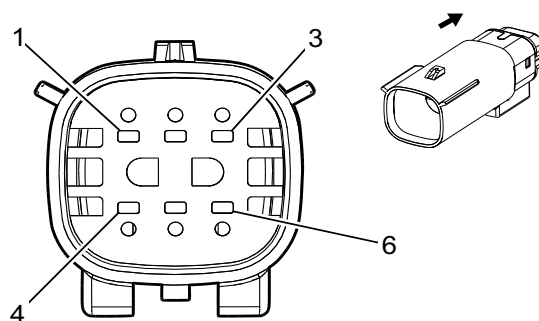
Terminal Part Information

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

B87 Rearview Camera (UVB)

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

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B87 Rearview Camera (UVC+IOR)

1986159

Connector Part Information

Harness Type: Rear Fascia

OEM Connector: 33482-3601

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way M 150 MX Series, Sealed (BK)

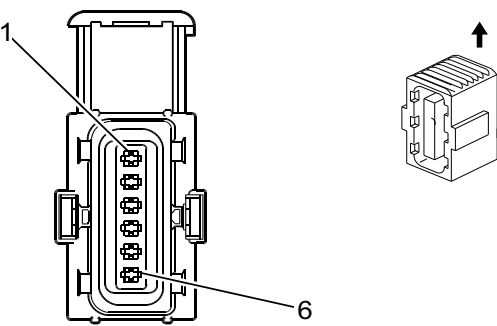
Terminal Part Information

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

B87 Rearview Camera (UVC+IOR)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN/WH	24	Backup Lamp Control	I	—
2	0.5	GY/YE	6972	Camera Signal 2 +	I	—
3	0.5	VT/L-GN	1739	Run/Crank Ignition 1 Voltage	I	—
4	0.5	L-GN	6974	Camera Low Reference	I	—
5	0.5	BK/WH	751	Signal Ground	I	—
6	0.5	WH/L-BU	6973	Camera Signal 2	I	—

B107 Accelerator Pedal Position Sensor



1334452

Connector Part Information

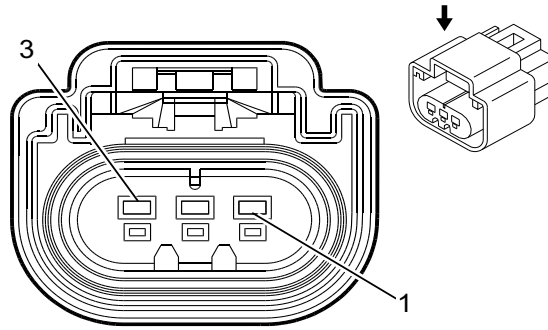
Harness Type: Body
OEM Connector: 6-929264-1
Service Connector: 13580116
Description: 6-Way F 1.2 Micro-Timer Series, Sealed (BK)

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

B107 Accelerator Pedal Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	I	—
2	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	I	—
3	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	I	—
4	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference 1	I	—
5	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	I	—
6	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal 2	I	—

B115 Vehicle Speed Sensor (NQ6/NQ7)

1962078

Connector Part Information

Harness Type: Engine

OEM Connector: 13511996

Service Connector: 13580873

Description: 3-Way F 150 GT Series, Sealed (GY)

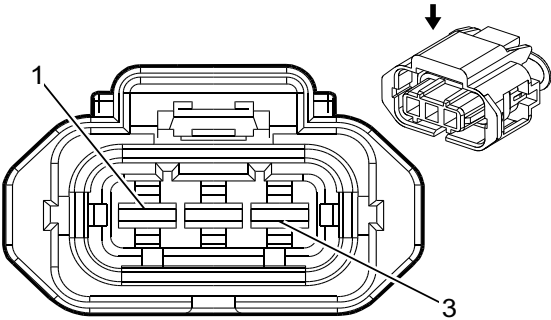
Terminal Part Information

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

B115 Vehicle Speed Sensor (NQ6/NQ7)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/RD	1688	5V Reference	I	—
2	0.5	VT/WH	821	Vehicle Speed Sensor Signal	I	—
3	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	I	—

B116 Water in Fuel Sensor



1914850

Connector Part Information

Harness Type: Chassis
OEM Connector: 15397338
Service Connector: 13585845
Description: 3-Way F 2.8 Junior Power Timer Series, Sealed (BK)

Terminal Part Information

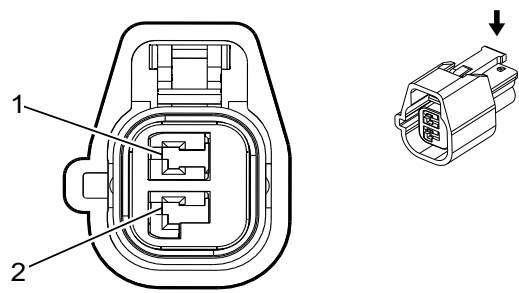
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B116 Water in Fuel Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	VT/GY	139	Run/Crank Ignition 1 Voltage	I	—
2	0.75	BK	1950	Ground	I	—
3	0.5	L-BU/YE	6861	Water In Fuel Sensor Signal	I	—

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B118 Windshield Washer Fluid Level Sensor



2904462

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 7283-6434-40
Service Connector: 19301729
Description: 2-Way F 1.5 Series (L-GY)

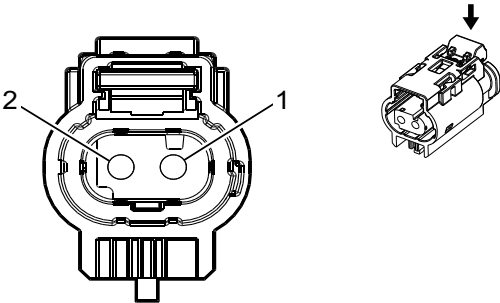
Terminal Part Information

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

B118 Windshield Washer Fluid Level Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	185	Low Washer Fluid Indicator Control	I	—
2	0.5	BK	1150	Ground	I	—

B130A Exhaust Gas Recirculation Temperature Sensor 1



3747581

Connector Part Information

Harness Type: Engine
OEM Connector: 10094237
Service Connector: 19332628
Description: 2-Way F 1.2 Multilock Series, Sealed (GY)

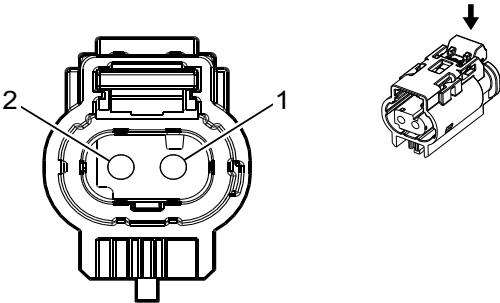
Terminal Part Information

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

B130A Exhaust Gas Recirculation Temperature Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/YE	6275	Exhaust Gas Recirculation Temperature Sensor 2 Low Reference	I	—
2	0.5	YE/L-GN	3236	Exhaust Gas Recirculation Temperature Sensor 2 Signal	I	—

B130B Exhaust Gas Recirculation Temperature Sensor 2



3747581

Connector Part Information

Harness Type: Engine
OEM Connector: 10094234
Service Connector: 19332719
Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

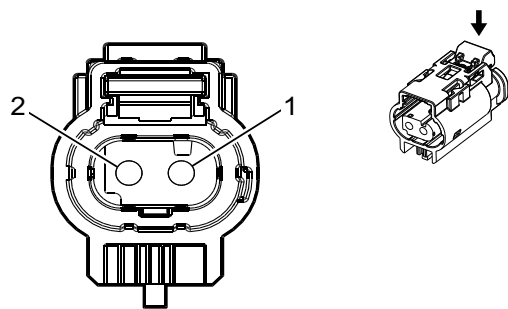
Terminal Part Information

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

B130B Exhaust Gas Recirculation Temperature Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-BU	6274	Exhaust Gas Recirculation Temperature Sensor Low Reference	I	—
2	0.5	WH/BN	3237	Exhaust Gas Recirculation Temperature Sensor Signal	I	—

B131A Exhaust Temperature Sensor 1



3747581

Connector Part Information

Harness Type: Engine
OEM Connector: 10094234
Service Connector: 19332719
Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

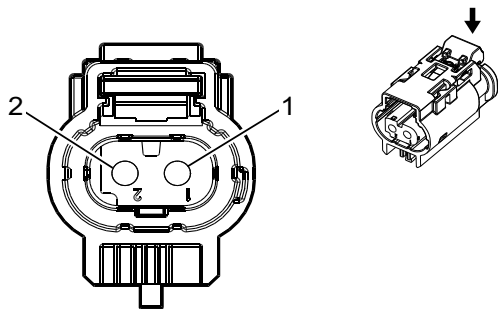
Terminal Part Information

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

B131A Exhaust Temperature Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/BN	6782	Exhaust Gas Temperature Sensor 1 Low Reference	I	—
2	0.5	L-BU/WH	5277	Exhaust Gas Temperature Sensor 1	I	—

B131B Exhaust Temperature Sensor 2



3747580

Connector Part Information

Harness Type: Chassis
OEM Connector: 10094236
Service Connector: 19332627
Description: 2-Way F 1.2 Multilock Series, Sealed (GY)

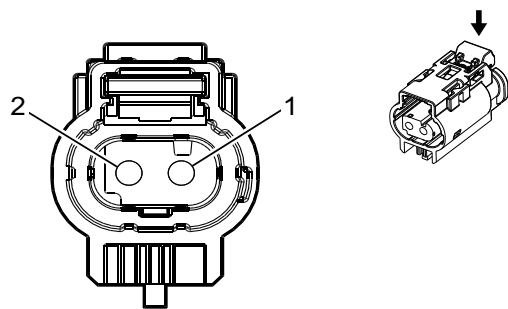
Terminal Part Information

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

B131B Exhaust Temperature Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-BU	6783	Exhaust Gas Temperature Sensor 2 Low Reference	I	—
2	0.5	L-BU/L-GN	5377	Exhaust Gas Temperature Sensor 2	I	—

B131C Exhaust Temperature Sensor 3



3747581

Connector Part Information

Harness Type: Chassis
OEM Connector: 10094237
Service Connector: 19332628
Description: 2-Way F 1.2 Multilock Series, Sealed (GY)

Terminal Part Information

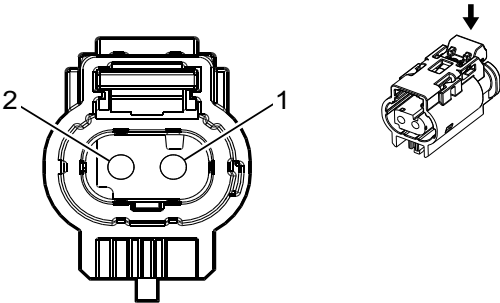
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B131C Exhaust Temperature Sensor 3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/L-GN	3657	Exhaust Gas Temperature Sensor 3 Low Reference	I	—
2	0.5	GY/L-GN	5378	Exhaust Gas Temperature Sensor 3	I	—

cardiagn.com

B131D Exhaust Temperature Sensor 4



3747581

Connector Part Information

Harness Type: Chassis
OEM Connector: 10094234
Service Connector: 19332719
Description: 2-Way F 1.2 Multilock Series, Sealed (BK)

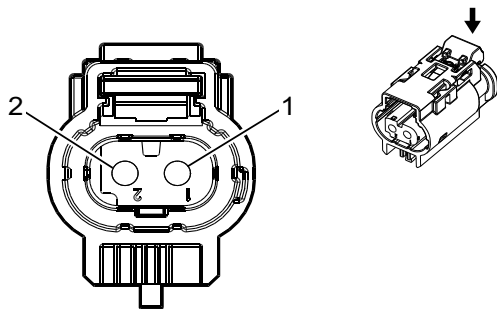
Terminal Part Information

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

B131D Exhaust Temperature Sensor 4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GY	3659	Exhaust Gas Temperature Sensor 4 Low Reference	I	—
2	0.5	VT/BN	3658	Exhaust Gas Temperature Sensor 4 Signal	I	—

B131E Exhaust Temperature Sensor 5



3747580

Connector Part Information

Harness Type: Chassis
OEM Connector: 10094236
Service Connector: 19332627
Description: 2-Way F 1.2 Multilock Series, Sealed (GY)

Terminal Part Information

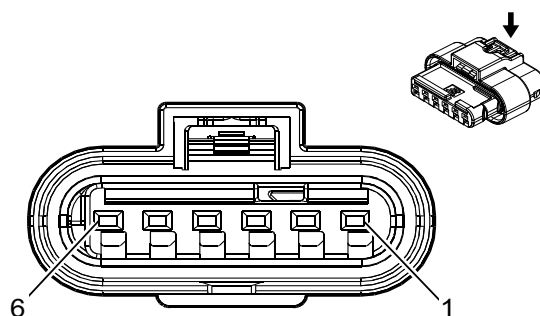
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B131E Exhaust Temperature Sensor 5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/VT	3661	Exhaust Gas Temperature Sensor 5 Low Reference	I	—
2	0.5	L-BU/GY	3660	Exhaust Gas Temperature Sensor 5 Signal	I	—

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B136 Exhaust Particulate Matter Sensor



3747582

Connector Part Information

Harness Type: Chassis

OEM Connector: 34900-6121

Service Connector: 19354530

Description: 6-Way F 1.2 MCON-LL 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

B136 Exhaust Particulate Matter Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	BK	1950	Ground	I	—
2	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
3	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
4	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
5	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
6	1	VT/L-BU	3674	NOx Sensor 1 Control	I	—

B137 Power Steering Shaft Torque Sensor**Connector Part Information**

Harness Type: Power Steering

OEM Connector: 965382-2

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way

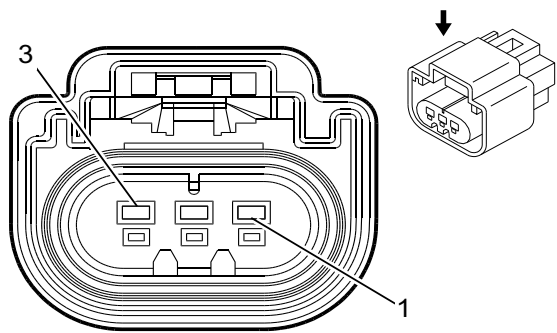
Terminal Part Information

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

B137 Power Steering Shaft Torque Sensor

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

B150 Fuel Tank Pressure Sensor



1962078

Connector Part Information

Harness Type: Chassis
OEM Connector: 13511996
Service Connector: 13580873
Description: 3-Way F 150 GT 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-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B150 Fuel Tank Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal	I	—
2	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	I	—
3	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	I	—

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B153D Seat Belt Buckle - Driver**Connector Part Information**

Harness Type: Driver Seat Cushion

OEM Connector: Not Available

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

B153D Seat Belt Buckle - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1363	Driver Seat Belt Switch Low Reference	I	—
2	0.35	OG/BN	238	Driver Seat Belt Switch Signal	I	—

B153P Seat Belt Buckle - Passenger**Connector Part Information**

Harness Type: Passenger Seat Cushion

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 6-Way

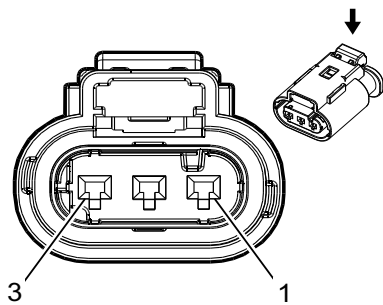
Terminal Part Information

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

B153P Seat Belt Buckle - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/OG	1361	Passenger Seat Belt Switch Low Reference	I	—
2	0.35	OG/VT	1362	Passenger Seat Belt Switch Signal	I	—

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor



2717069

Connector Part Information

Harness Type: Chassis
OEM Connector: 10010341
Service Connector: 19299690
Description: 3-Way F 1.2 Multilock Series, Sealed (BK)

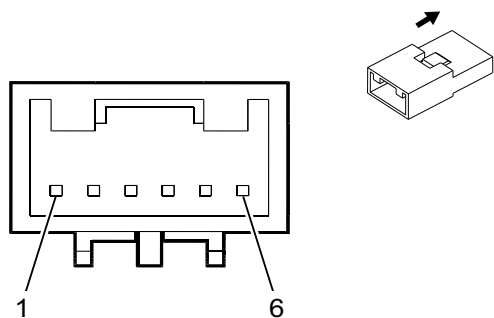
Terminal Part Information

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

B154 Diesel Particulate Filter Exhaust Differential Pressure Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU	6053	Exhaust Pressure Sensor Signal 1	I	—
2	0.5	BK/YE	6055	Exhaust Pressure Sensor Low Reference 1	I	—
3	0.5	WH/RD	6054	Exhaust Pressure Sensor 5V Reference 1	I	—

B160 Windshield Temperature and Inside Moisture Sensor



2839920

Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2WSB-06-1AK
Service Connector: 19299681
Description: 6-Way M 0.64 Kaizen Series (BK)

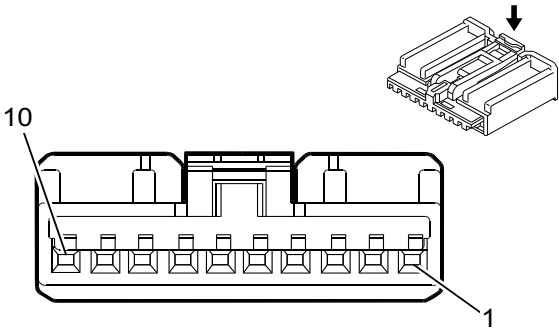
Terminal Part Information

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

B160 Windshield Temperature and Inside Moisture Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	YE/RD	597	5V Reference	I	—
2	0.35	GY/L-BU	7564	Humidity Sensor Signal	I	—
3	0.35	BK/L-BU	7566	Humidity/Windscreen Temp Sensor Low Reference	I	—
4	0.35	GY/L-GN	7565	Windscreen Temp Sensor Signal	I	—
5	0.35	YE/L-BU	3197	Humidity Temperature Sensor Signal	I	—
6	—	—	—	Not Occupied	—	—

B174W Frontview Camera - Windshield



1862241

Connector Part Information

Harness Type: Headliner
OEM Connector: AIT2PB-10-1AK
Service Connector: 13576634
Description: 10-Way F 0.64 Kaizen Series (BK)

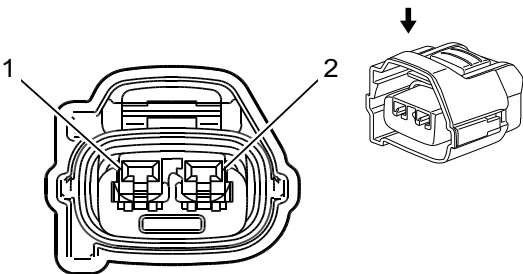
Terminal Part Information

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

B174W Frontview Camera - Windshield

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK/WH	3451	Signal Ground	II	—
2	—	—	—	Not Occupied	—	—
3	0.35	RD/L-GN	3140	Battery Positive Voltage	II	—
4	0.35	WH	3152	Lane Departure Warning Indicator Control	II	—
5 - 6	—	—	—	Not Occupied	—	—
7	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.35	GY/WH	3153	Lane Departure Warning Disable Switch Signal	II	—

B193A Charge Air Cooler Inlet Temperature Sensor



2388842

Connector Part Information

Harness Type: Engine
OEM Connector: 7283-7020-10
Service Connector: 13576415
Description: 2-Way F 090 Series, Sealed (D-GY)

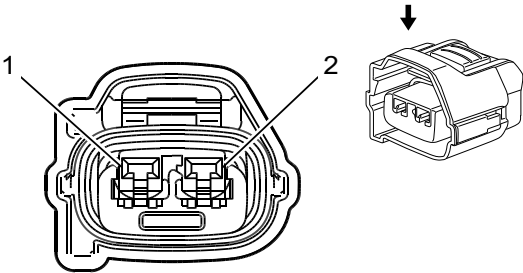
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-18 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B193A Charge Air Cooler Inlet Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-GN	3683	Charge Air Cooler Inlet Temperature Sensor Signal	I	—
2	0.5	YE/BK	3682	Charge Air Cooler Inlet Temperature Sensor Low Reference	I	—

B193B Charge Air Cooler Outlet Temperature Sensor



2388842

Connector Part Information

Harness Type: Engine
OEM Connector: 7283-7020-10
Service Connector: 13576415
Description: 2-Way F 090 Series, Sealed (D-GY)

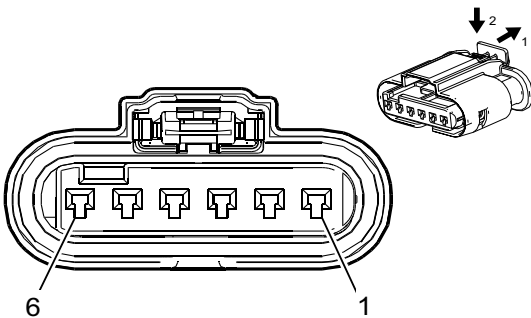
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-18 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B193B Charge Air Cooler Outlet Temperature Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	3681	Charge Air Cooler Outlet Temperature Sensor Signal	I	—
2	0.5	YE/L-BU	3680	Charge Air Cooler Outlet Temperature Sensor Low Reference	I	—

B195A Nitrogen Oxides Sensor 1



3960142

Connector Part Information

Harness Type: Chassis
OEM Connector: 34900-6119
Service Connector: 19353874
Description: 6-Way F 1.2 MCON-LL Series, Sealed (BK)

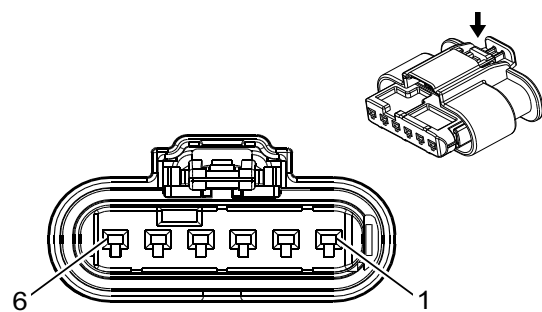
Terminal Part Information

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

B195A Nitrogen Oxides Sensor 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/L-BU	3674	NOx Sensor 1 Control	I	—
2	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
3	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
4	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
5	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
6	1	BK	1950	Ground	I	—

B195B Nitrogen Oxides Sensor 2



4455148

Connector Part Information

Harness Type: Chassis
OEM Connector: 34900-6128
Service Connector: 19353875
Description: 6-Way F 1.2 MCON-LL Series, Sealed (GY)

Terminal Part Information

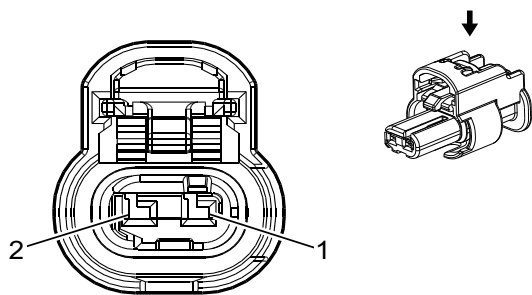
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B195B Nitrogen Oxides Sensor 2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	VT/L-BU	3674	NOx Sensor 1 Control	I	—
2	0.5	L-BU/BN	4498	High Speed GMLAN Serial Data (+) 7	I	—
3 - 4	—	—	—	Not Occupied	—	—
5	0.5	WH	4499	High Speed GMLAN Serial Data (-) 7	I	—
6	1	BK	1950	Ground	I	—

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B203 Radiator Coolant Temperature Sensor



4649903

Connector Part Information

Harness Type: Forward Lamp Extension
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

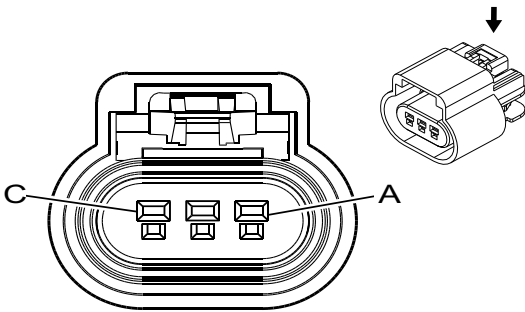
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-16 (LT GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B203 Radiator Coolant Temperature Sensor

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

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B227 Gear Position Sensor



646415

Connector Part Information

Harness Type: Engine
OEM Connector: 15326808
Service Connector: -
Description: 3-Way F 150 GT Series, Sealed (BK)

Terminal Part Information

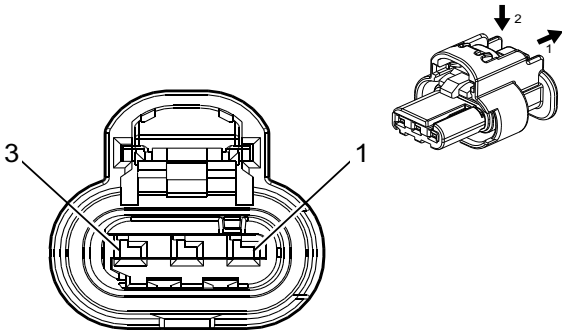
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required

B227 Gear Position Sensor

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	YE/BK	7478	Rotary Position Sensor Low Reference	I	—
B	0.5	WH/RD	7477	Rotary Position Sensor 5V Reference	I	—
C	0.5	WH/L-GN	7479	Rotary Position Sensor Signal	I	—

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B306E Parking Assist Sensor - Rear Left Outer



4581126

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 1-2296695-1
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

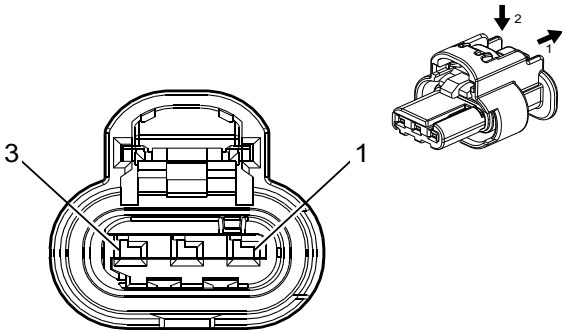
Terminal Part Information

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

B306E Parking Assist Sensor - Rear Left Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE	2375	Left Rear Corner Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306F Parking Assist Sensor - Rear Left Middle



4581126

Connector Part Information

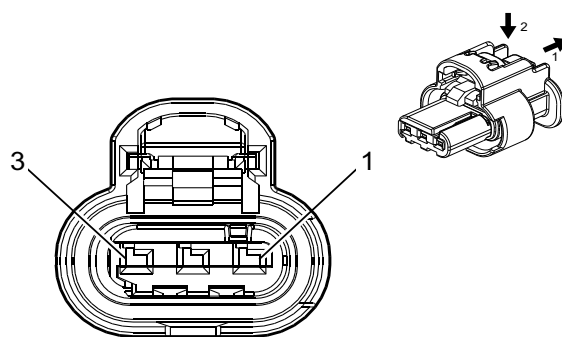
Harness Type: Rear Fascia
OEM Connector: 1-2296695-1
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

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

B306F Parking Assist Sensor - Rear Left Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/L-BU	2376	Left Rear Middle Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306G Parking Assist Sensor - Rear Right Middle

4581126

Connector Part Information

Harness Type: Rear Fascia

OEM Connector: 1-2296695-1

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

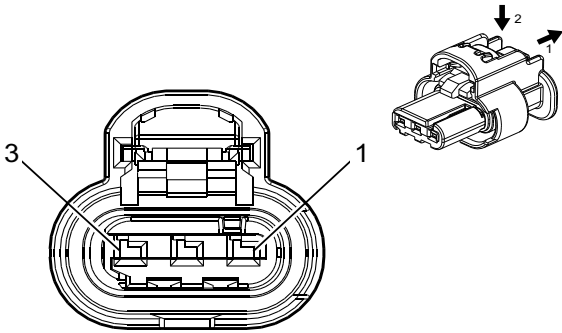
Terminal Part Information

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

B306G Parking Assist Sensor - Rear Right Middle

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/WH	2377	Right Rear Middle Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

B306H Parking Assist Sensor - Rear Right Outer



4581126

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 1-2296695-1
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F 1.2 MCON-CB Series, Sealed (BK)

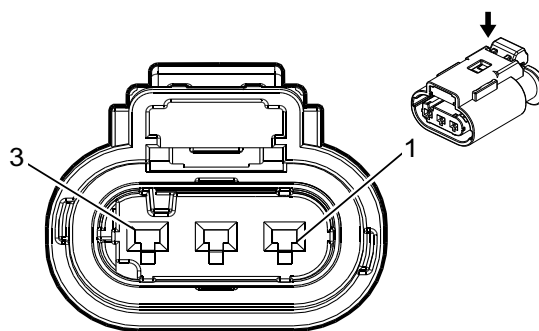
Terminal Part Information

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

B306H Parking Assist Sensor - Rear Right Outer

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/WH	2374	Object Sensor Control	I	—
2	0.5	YE/VT	2378	Right Rear Corner Object Sensor Signal	I	—
3	0.5	BK/GY	2379	Object Sensor Low Reference	I	—

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B310 Fuel Pressure/Temperature Sensor (LGZ/LCV)

3240107

Connector Part Information

Harness Type: Fuel Injector

OEM Connector: 13503573

Service Connector: Service by Harness - See Part Catalog

Description: 3-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	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

B310 Fuel Pressure/Temperature Sensor (LGZ/LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BK/GN	2919	Fuel Rail Pressure Sensor Low Reference	I	—
2	0.5	BU/WH	2918	Fuel Rail Pressure Sensor Signal	I	—
3	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	I	—

C1 Battery X2

Connector Part Information

Harness Type: Battery Cable

OEM Connector: BBS16068

Service Connector: Service by Harness - See Part Catalog

Description: —

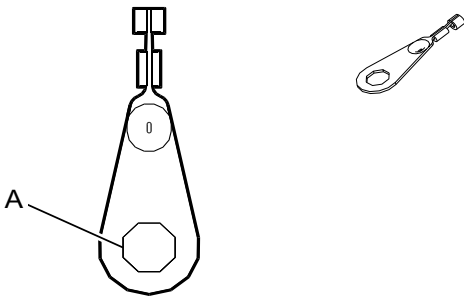
Terminal Part Information

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

C1 Battery X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	BK	150	Ground	I	—
	35	BK	250	Ground	I	—

C1 Battery X3



2906941

Connector Part Information

Harness Type: Body
OEM Connector: 13268280
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

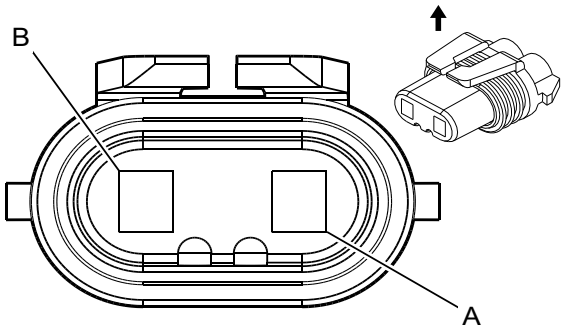
Terminal Part Information

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

C1 Battery X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	BK	1650	Ground	I	—

E4E Headlamp - Left High Beam



684797

Connector Part Information

Harness Type: Left Front Headlamp Assembly
OEM Connector: 12059183
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 280 Metri-Pack Series, Sealed (BK)

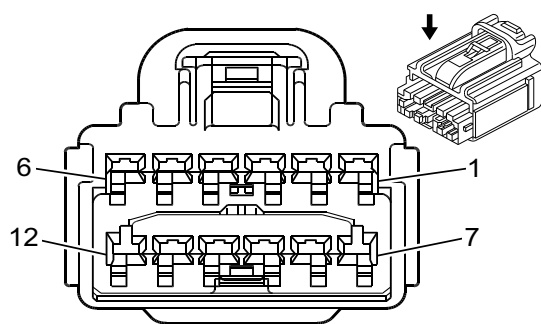
Terminal Part Information

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

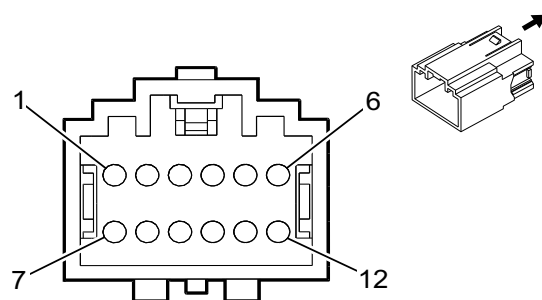
E4E Headlamp - Left High Beam

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1.5	BK	711	Left Headlamp High Beam Control	I	—
B	1.5	BK	1150	Ground	I	—

E4E Headlamp - Left High Beam



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

E4E Headlamp - Left High Beam

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	—	—	—	—	—

E4E Headlamp - Left High Beam (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	—	—	—	—	—

E4G Headlamp - Left Low Beam**Connector Part Information**

Harness Type: Left Front Headlamp Assembly

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 2-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

E4G Headlamp - Left Low Beam

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BK	712	Left Headlamp Low Beam Control	I	—
2	1.5	BK	1150	Ground	I	—

E4H Headlamp - Right Low Beam**Connector Part Information**

Harness Type: Right Front Headlamp Assembly

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 2-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

E4H Headlamp - Right Low Beam

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BK	1250	Ground	I	—
2	1.5	BK	312	Right Headlamp Low Beam Control	I	—

E4J Park Lamp - Left Front**Connector Part Information**

Harness Type: Left Front Headlamp Assembly

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 2-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

E4J Park Lamp - Left Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	RD	709	Left Park Lamp Control	I	—
B	0.75	BK	1150	Ground	I	—

E4K Park Lamp - Right Front (X88)

Connector Part Information

Harness Type: Right Front Headlamp Assembly
 OEM Connector: Not Available
 Service Connector: Service by Harness - See Part Catalog
 Description: 2-Way

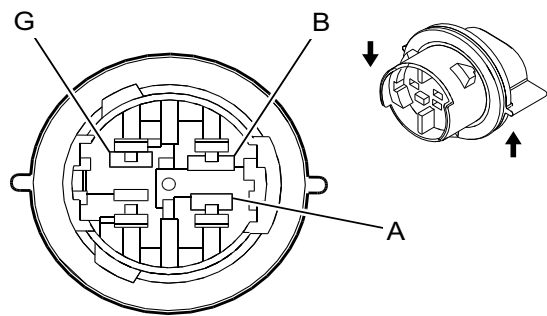
Terminal Part Information

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

E4K Park Lamp - Right Front (X88)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	RD	309	Right Park Lamp Control	I	—
B	0.75	BK	1250	Ground	I	—

E4N Park/Turn Signal Lamp - Left



1717007

Connector Part Information

Harness Type: Left Front Headlamp Assembly
OEM Connector: 16530873
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

Terminal Part Information

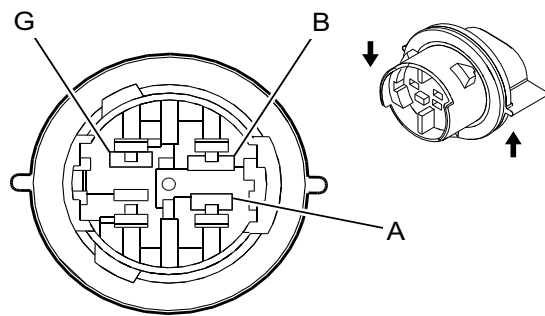
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E4N Park/Turn Signal Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	YE	1314	Left Front Turn Signal Lamp Control	I	—
B	0.75	BK	709	Left Park Lamp Control	I	—
G	0.75	BK	1150	Ground	I	—

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E4P Park/Turn Signal Lamp - Right



1717007

Connector Part Information

Harness Type: Right Front Headlamp Assembly
OEM Connector: 16530873
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

Terminal Part Information

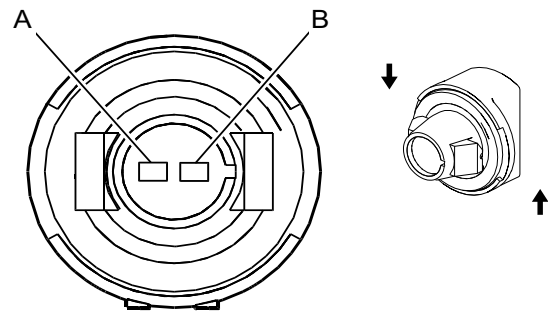
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E4P Park/Turn Signal Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	YE	1315	Right Front Turn Signal Lamp Control	I	—
B	0.75	BK	309	Right Park Lamp Control	I	—
G	0.75	BK	1250	Ground	I	—

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E5A Backup Lamp - Left



877923

Connector Part Information

Harness Type: Left Tail Lamp
OEM Connector: 16530675
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F (L-GY)

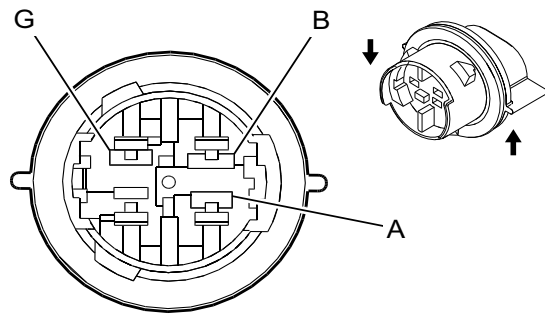
Terminal Part Information

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

E5A Backup Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	YE	24	Backup Lamp Control	I	—
B	—	BK	750	Ground	I	—

E5AG Tail/Stop and Turn Signal Lamp - Left Upper



1717007

Connector Part Information

Harness Type: Left Tail Lamp
OEM Connector: 16530873
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

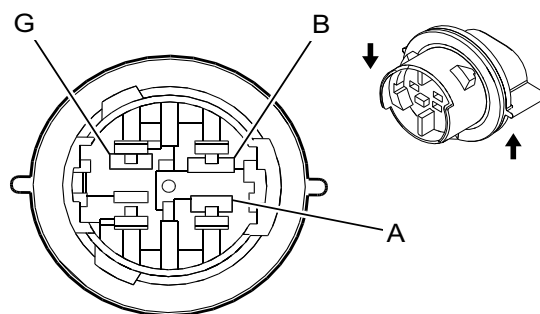
Terminal Part Information

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

E5AG Tail/Stop and Turn Signal Lamp - Left Upper

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	GY	7542	Left Rear Stop Lamp Control	I	—
B	—	OG	2509	Left Rear Park Lamp Control	I	—
G	—	BK	750	Ground	I	—

E5AH Tail/Stop and Turn Signal Lamp - Right Upper



1717007

Connector Part Information

Harness Type: Right Tail Lamp

OEM Connector: 16530873

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

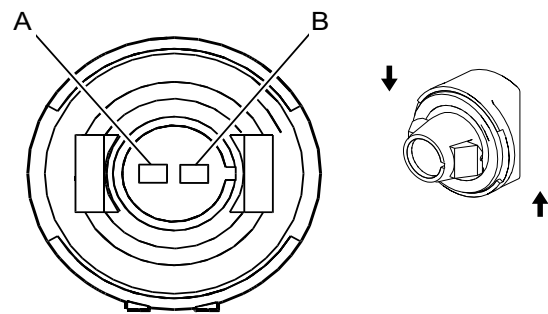
Terminal Part Information

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

E5AH Tail/Stop and Turn Signal Lamp - Right Upper

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	GY	7541	Right Rear Stop Lamp Control	I	—
B	—	OG	4609	Audio Request Signal	I	—
G	—	BK	850	Ground	I	—

E5B Backup Lamp - Right



877923

Connector Part Information

Harness Type: Right Tail Lamp
OEM Connector: 16530675
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F (L-GY)

Terminal Part Information

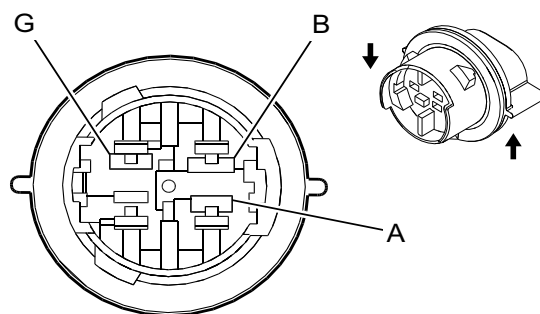
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E5B Backup Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	YE	24	Backup Lamp Control	I	—
B	—	BK	850	Ground	I	—

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E5U Tail/Stop and Turn Signal Lamp - Left Lower



1717007

Connector Part Information

Harness Type: Left Tail Lamp

OEM Connector: 16530873

Service Connector: Service by Harness - See Part Catalog

Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

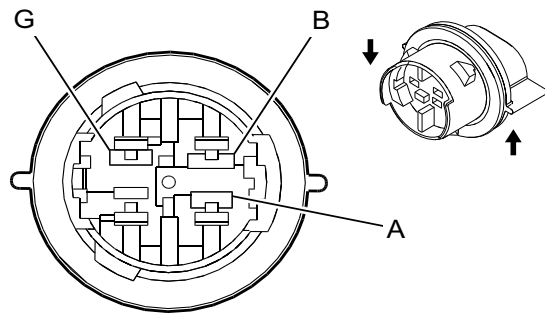
Terminal Part Information

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

E5U Tail/Stop and Turn Signal Lamp - Left Lower

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	GY	7542	Left Rear Stop Lamp Control	I	—
B	—	OG	2509	Left Rear Park Lamp Control	I	—
G	—	BK	750	Ground	I	—

E5V Tail/Stop and Turn Signal Lamp - Right Lower



1717007

Connector Part Information

Harness Type: Right Tail Lamp
OEM Connector: 16530873
Service Connector: Service by Harness - See Part Catalog
Description: 3-Way F Wedge Base Lamp Socket, Type W-3 (BK)

Terminal Part Information

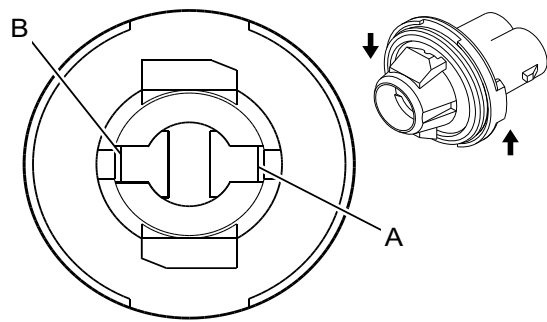
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E5V Tail/Stop and Turn Signal Lamp - Right Lower

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	GY	7541	Right Rear Stop Lamp Control	I	—
B	—	OG	4609	Audio Request Signal	I	—
G	—	BK	850	Ground	I	—

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E7L License Plate Lamp - Left



744036

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15324946
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Lamp Socket Wedge Base, Type W-2 (D-GY)

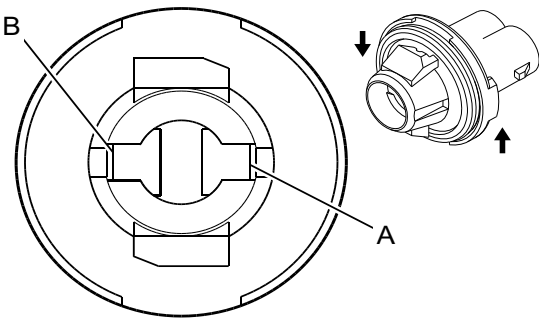
Terminal Part Information

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

E7L License Plate Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/YE	6846	Rear License Lamp Control	I	—
B	0.5	BK	750	Ground	I	—

E7R License Plate Lamp - Right



744036

Connector Part Information

Harness Type: Rear Fascia
OEM Connector: 15324946
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F Lamp Socket Wedge Base, Type W-2 (D-GY)

Terminal Part Information

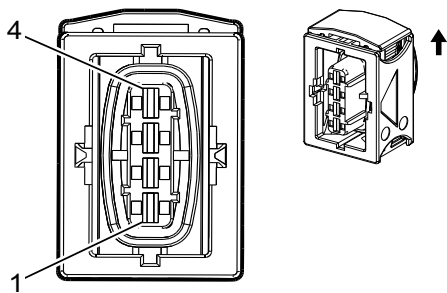
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

E7R License Plate Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	L-GN/YE	6846	Rear License Lamp Control	I	—
B	0.5	BK	750	Ground	I	—

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E11 Fuel Heater



2470480

Connector Part Information

Harness Type: Chassis
OEM Connector: 15397339
Service Connector: 13384331
Description: 4-Way F 2.8 Junior Power Timer Series, Sealed (BK)

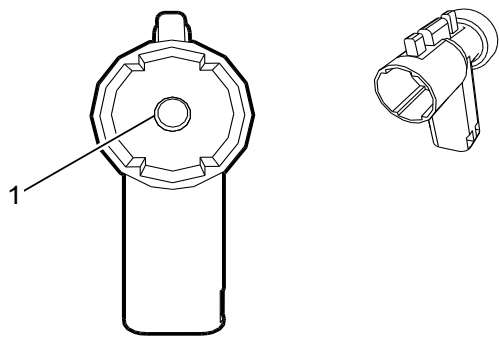
Terminal Part Information

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

E11 Fuel Heater

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/GY	7072	Sensor Fuel Temperature 1 Signal	I	—
2	0.5	BN/WH	7073	Sensor Fuel Temperature 1 Low Reference	I	—
3	2.5	BK	1950	Ground	I	—
4	2.5	L-BU/L-GN	7071	Heater Fuel Control	I	—

E12A Glow Plug 1



2323611

Connector Part Information

Harness Type: Glow Plug
OEM Connector: 1928404878
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F (BK)

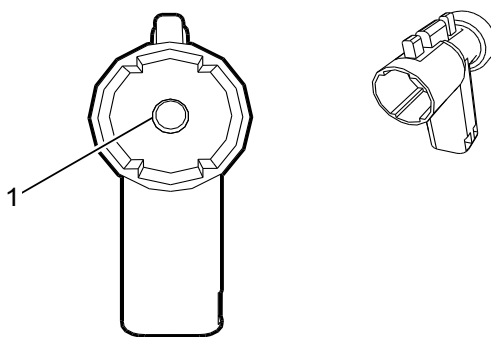
Terminal Part Information

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

E12A Glow Plug 1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	BK	—	—	I	—
	1.5	GN/BK	—	—	I	—
	1.5	WH/BK	—	—	I	—

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E12B Glow Plug 2 (LWN)

2323611

Connector Part Information

Harness Type: Glow Plug Jumper

OEM Connector: 1928404878

Service Connector: Service by Harness - See Part Catalog

Description: 1-Way F (BK)

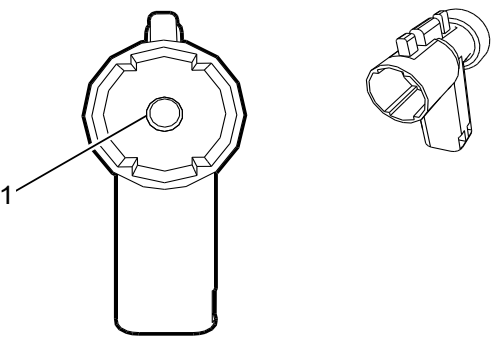
Terminal Part Information

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

E12B Glow Plug 2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/BN	1582	Glow Plug Control 2	I	—

E12C Glow Plug 3 (LWN)



2323611

Connector Part Information

Harness Type: Glow Plug Jumper
OEM Connector: 1928404878
Service Connector: Service by Harness - See Part Catalog
Description: 1-Way F (BK)

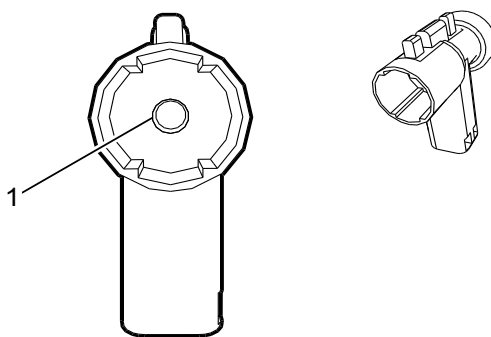
Terminal Part Information

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

E12C Glow Plug 3 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/GN	1583	Glow Plug Control 3	I	—

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E12D Glow Plug 4 (LWN)

2323611

Connector Part Information

Harness Type: Glow Plug Jumper

OEM Connector: 1928404878

Service Connector: Service by Harness - See Part Catalog

Description: 1-Way F (BK)

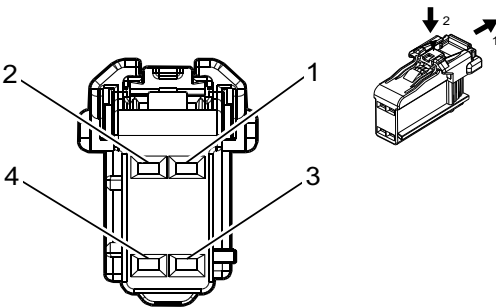
Terminal Part Information

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

E12D Glow Plug 4 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/YE	1584	Glow Plug Control 4	I	—

E14A Seat Heating Element - Driver Back (KA1)



4539012

Connector Part Information

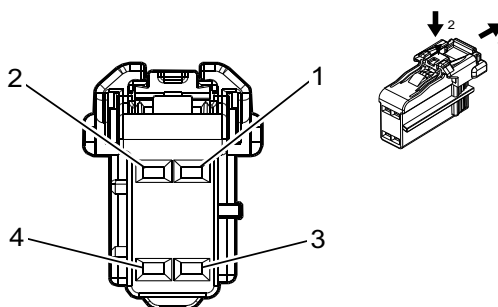
Harness Type: Driver Seat Back
OEM Connector: 13595575
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way F 1.2 Series (GY)

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	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14A Seat Heating Element - Driver Back (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN	2432	Driver Heated Back Element Control	I	—
2	0.75	BU	2425	Driver Heated Back NTC Signal	I	—
3	0.75	BK/YE	2080	Driver Heated Seat NTC Low Reference	I	—
4	0.75	VT/BK	2424	Driver Heated Back Element Low Reference	I	—

E14B Seat Heating Element - Driver Cushion (KA1)

4115727

Connector Part Information

Harness Type: Driver Seat Cushion

OEM Connector: 13595574

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way F 1.2 Series (BK)

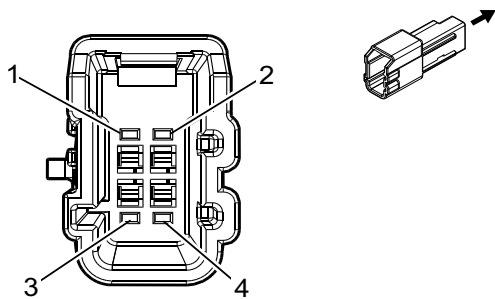
Terminal Part Information

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

E14B Seat Heating Element - Driver Cushion (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/VT	2077	Driver Heated Seat Element Control	I	—
2	0.75	YE/GY	2079	Driver Heated Seat NTC Signal	I	—
3	0.75	BK/YE	2080	Driver Heated Seat NTC Low Reference	I	—
4	0.75	VT/BK	2424	Driver Heated Back Element Low Reference	I	—

E14C Seat Heating Element - Passenger Back (KA1)



4293695

Connector Part Information

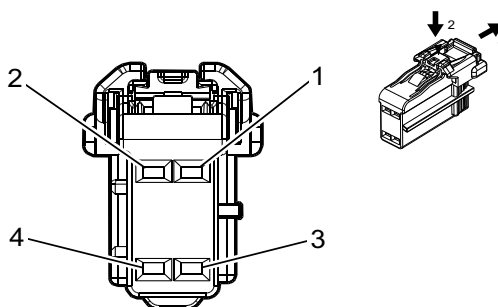
Harness Type: Passenger Seat Back
OEM Connector: 13595573
Service Connector: Service by Harness - See Part Catalog
Description: 4-Way M 1.2 Series (GY)

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	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14C Seat Heating Element - Passenger Back (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	WH/BU	2436	Passenger Heated Back NTC Signal	I	—
3	0.75	BK/GN	2482	Passenger Heated Back NTC Low Reference	I	—
4	0.75	BK	2480	Passenger Heated Seat Element Low Reference	I	—

E14D Seat Heating Element - Passenger Cushion (KA1)

4115727

Connector Part Information

Harness Type: Passenger Seat Cushion

OEM Connector: 13595574

Service Connector: Service by Harness - See Part Catalog

Description: 4-Way F 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	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E14D Seat Heating Element - Passenger Cushion (KA1)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BN/BU	2479	Passenger Heated Seat Element Control	I	—
2	0.75	WH/GY	2434	Passenger Heated Seat NTC Signal	I	—
3	0.75	GY/BK	2435	Passenger Heated Seat NTC Low Reference	I	—
4	0.75	GY/BK	2480	Passenger Heated Seat Element Low Reference	I	—

E15 Steering Wheel Heater**Connector Part Information**

Harness Type: Steering Wheel

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

E15 Steering Wheel Heater

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	BK	2050	Ground	I	—
2	0.35	GY	5886	Heated Steering Wheel Sensor Signal	I	—
3	0.75	WH	5888	Heated Steering Wheel High Control	I	—
4	0.75	BK	2050	Ground	I	—

E18L Rear Defogger Grid - Left X2**Connector Part Information**

Harness Type: Body
 OEM Connector: Not Available
 Service Connector: -
 Description: 1-Way

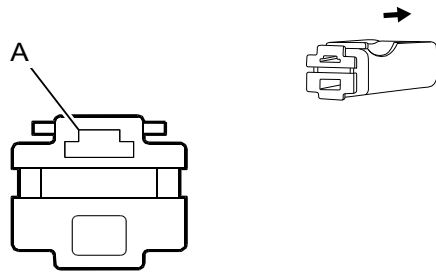
Terminal Part Information

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

E18L Rear Defogger Grid - Left X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	BK	3950	Ground	I	—

E18R Rear Defogger Grid X1



4248834

Connector Part Information

Harness Type: Body
OEM Connector: 7123-5014-30
Service Connector: 19367647
Description: 1-Way F 250 Series (BK)

Terminal Part Information

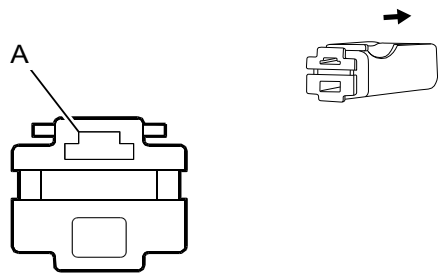
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E18R Rear Defogger Grid X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	2.5	BN/VT	293	Rear Defog Element Control	I	—

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E18R Rear Defogger Grid X2



4248834

Connector Part Information

Harness Type: Body
OEM Connector: 7123-5014-30
Service Connector: 19367647
Description: 1-Way F 250 Series (BK)

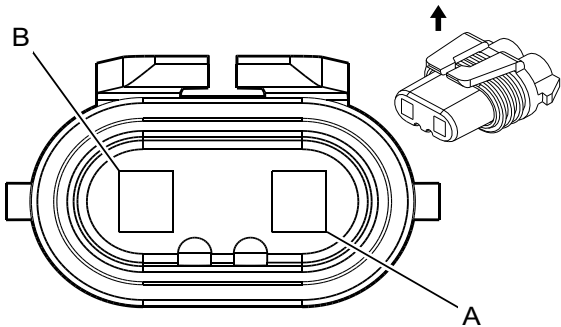
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-18 (BK)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E18R Rear Defogger Grid X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	4	BK	3950	Ground	I	—

E29LF Fog Lamp - Left Front (ULV)



684797

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 12059183
Service Connector: -
Description: 2-Way F 280 Metri-Pack Series, Sealed (BK)

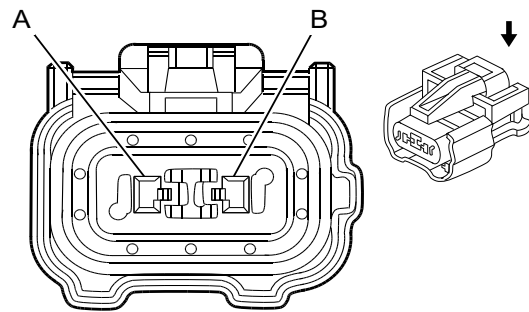
Terminal Part Information

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

E29LF Fog Lamp - Left Front (ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Control	I	—
B	0.75	BK	1150	Ground	I	—

E29LF Fog Lamp - Left Front (-ULV)



1862046

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13513272
Service Connector: 19153187
Description: 2-Way F 150 GT Series, Sealed (NA)

Terminal Part Information

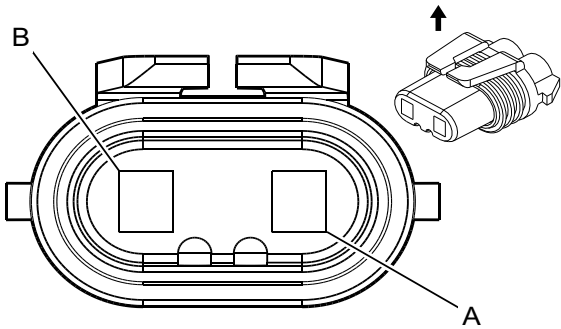
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29LF Fog Lamp - Left Front (-ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Control	I	—
B	0.75	BK	1150	Ground	I	—

cardiagn.com

E29RF Fog Lamp - Right Front (ULV)



684797

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 12059183
Service Connector: -
Description: 2-Way F 280 Metri-Pack Series, Sealed (BK)

Terminal Part Information

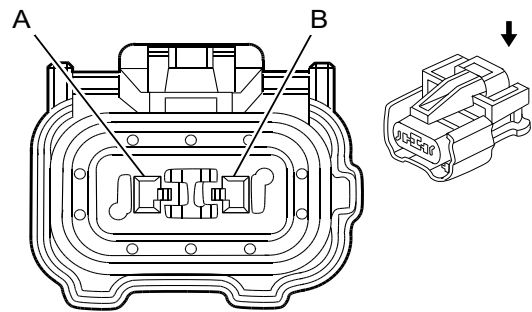
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E29RF Fog Lamp - Right Front (ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Control	I	—
B	0.75	BK	1250	Ground	I	—

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E29RF Fog Lamp - Right Front (-ULV)



1862046

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 13513272
Service Connector: 19153187
Description: 2-Way F 150 GT Series, Sealed (NA)

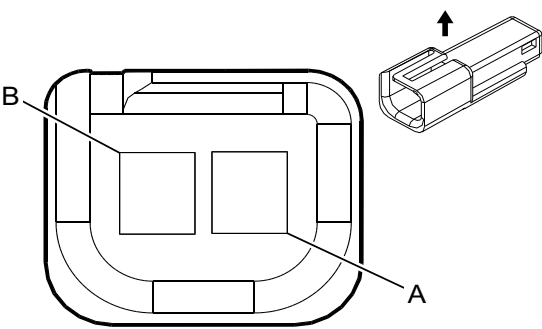
Terminal Part Information

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

E29RF Fog Lamp - Right Front (-ULV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	BN/VT	2234	Front Fog Lamp Control	I	—
B	0.75	BK	1250	Ground	I	—

E31L Sunshade Mirror Lamp - Left



35441

Connector Part Information

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

Terminal Part Information

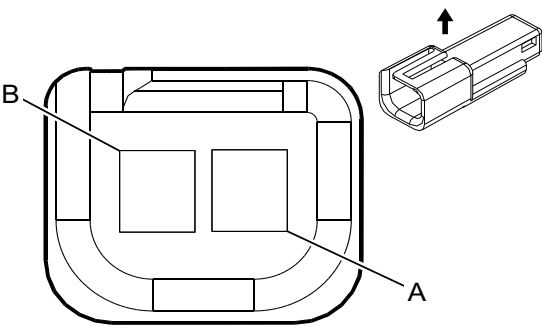
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-3 (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E31L Sunshade Mirror Lamp - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	3150	Ground	I	—

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E31R Sunshade Mirror Lamp - Right



35441

Connector Part Information

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

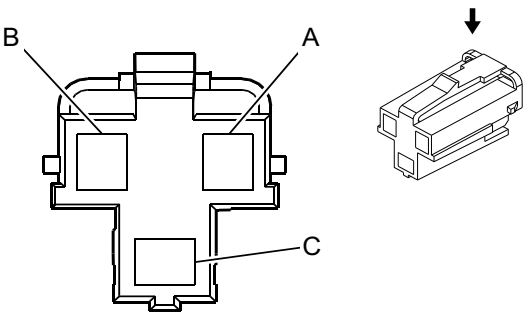
Terminal Part Information

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

E31R Sunshade Mirror Lamp - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.5	WH/BN	6815	Inadvertent Power Control	I	—
B	0.5	BK	3150	Ground	I	—

E32 Cigarette Lighter Receptacle (SAO)



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

E32 Cigarette Lighter Receptacle (SAO)

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	—

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E33L Cargo Lamp - Left (S0Y)**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

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

E33L Cargo Lamp - Left (S0Y)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	I	—
B	0.75	BK/WH	751	Signal Ground	I	—

E33R Cargo Lamp - Right (S0Y)

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

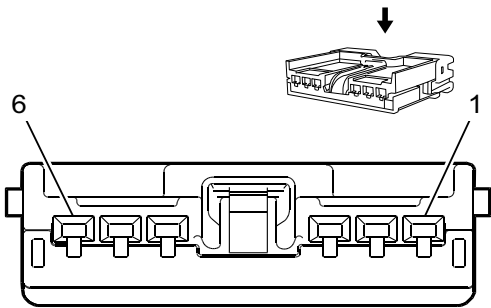
Terminal Part Information

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

E33R Cargo Lamp - Right (S0Y)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	0.75	WH/VT	1430	Exterior Courtesy Lamp Control	I	—
B	0.75	BK/WH	751	Signal Ground	I	—

E36AH Dome Lamp (TCA)



2180199

Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-5985
Service Connector: 13576538
Description: 6-Way F 1.5 Series (BK)

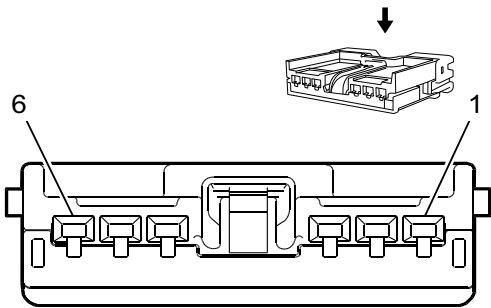
Terminal Part Information

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

E36AH Dome Lamp (TCA)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	GY	157	Interior Lamp Control	I	—
3	—	—	—	Not Occupied	—	—
4	0.35	GY/GN	328	Interior Lamp Defeat Switch Signal	I	—
5	0.35	GY	156	Courtesy Lamp Switch Signal	I	—
6	0.5	BK	3150	Ground	I	—

E37F Dome/Reading Lamps - Front



2180199

Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-5985
Service Connector: 13576538
Description: 6-Way F 1.5 Series (BK)

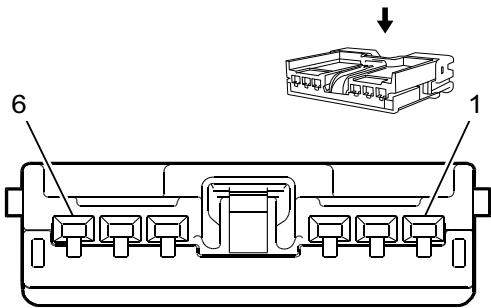
Terminal Part Information

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

E37F Dome/Reading Lamps - Front

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	—
2	0.5	GY	157	Interior Lamp Control	I	—
3	0.5	YE	6817	LED Backlight Dimming Control	I	—
4	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	I	—
5	0.35	GY	156	Courtesy Lamp Switch Signal	I	—
6	0.5	BK	3150	Ground	I	—

E37R Dome/Reading Lamps - Rear



2180199

Connector Part Information

Harness Type: Headliner
OEM Connector: 6098-5985
Service Connector: 13576538
Description: 6-Way F 1.5 Series (BK)

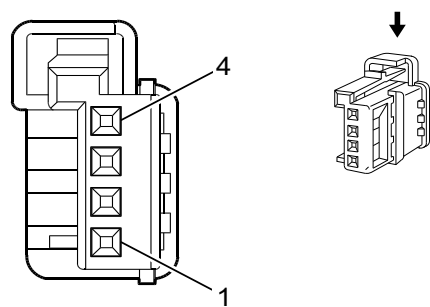
Terminal Part Information

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

E37R Dome/Reading Lamps - Rear

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	WH/BN	6815	Inadvertent Power Control	I	—
2	0.5	GY	157	Interior Lamp Control	I	—
3 - 5	—	—	—	Not Occupied	—	—
6	0.5	BK	3150	Ground	I	—

E40 Electrical Auxiliary Heater X1



2179793

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1379029-1
Service Connector: 13584096
Description: 4-Way F 0.64 Micro-Quadlock Series (BK)

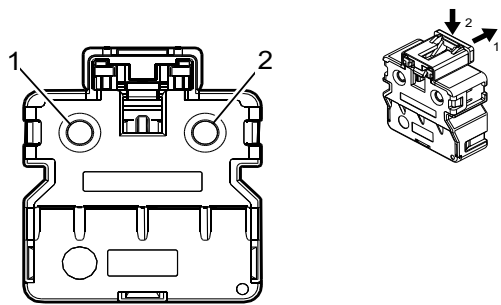
Terminal Part Information

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

E40 Electrical Auxiliary Heater X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT	3195	Auxiliary Heater Control	I	—
2	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	I	—
3 - 4	—	—	—	Not Occupied	—	—

E40 Electrical Auxiliary Heater X2 (LWN)



4322228

Connector Part Information

Harness Type: HVAC
OEM Connector: C380-10E106 241 2
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 3.6 HCC Series (BK)

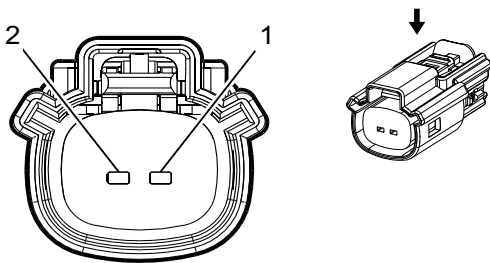
Terminal Part Information

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

E40 Electrical Auxiliary Heater X2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	BK	1350	Ground	I	—
2	10	RD/GY	—	—	I	—

E41 Engine Coolant Thermostat Heater



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

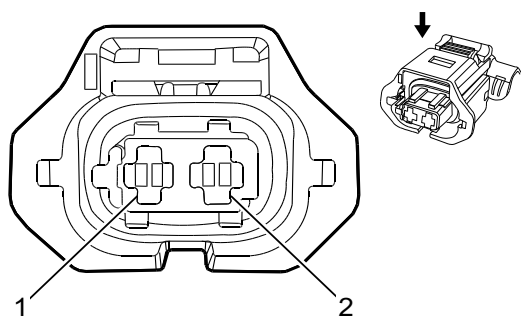
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-2A (GY)	No Tool Required	Not Required	Not Required	Not Required	Not Required

E41 Engine Coolant Thermostat Heater

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	6814	Thermostat Engine Cool Control	I	—

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E45 Positive Crankcase Ventilation Heater



2231613

Connector Part Information

Harness Type: Engine
OEM Connector: 13595623
Service Connector: 13355762
Description: 2-Way F 2.8 ATS Series, Sealed (BK)

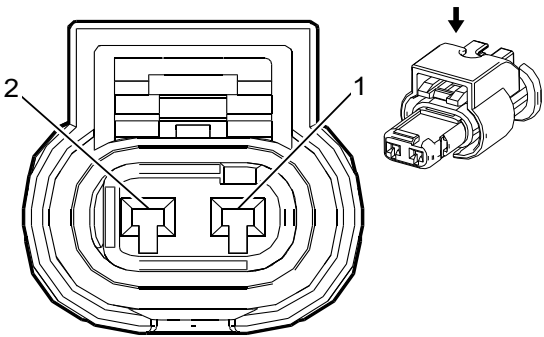
Terminal Part Information

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

E45 Positive Crankcase Ventilation Heater

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE/L-BU	1497	Crankcase Ventilation (Blowby) Heater Control Signal	I	—
2	0.5	VT/L-BU	5293	Powertrain Main Relay Fused Supply 4	I	—

E52 Reductant Line Heater (LWN)



2474752

Connector Part Information

Harness Type: Reductant Assembly
OEM Connector: 1-1823608-5
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F 1.2 MCP Series, Sealed (BK)

Terminal Part Information

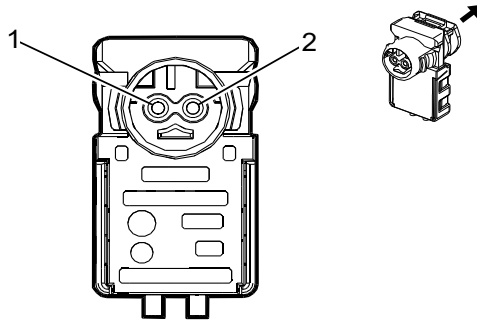
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

E52 Reductant Line Heater (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.0	BK/WH	9016	Reductant Line Heater Low Control	I	—
2	1.0	GY/WH	9017	Reductant Line Heater Control	I	—

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F101 Passenger Instrument Panel Air Bag X1



3214032

Connector Part Information

Harness Type: Instrument Panel Air Bag

OEM Connector: 13580454

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F AK-2 Series (L-GN with YE Cover)

Terminal Part Information

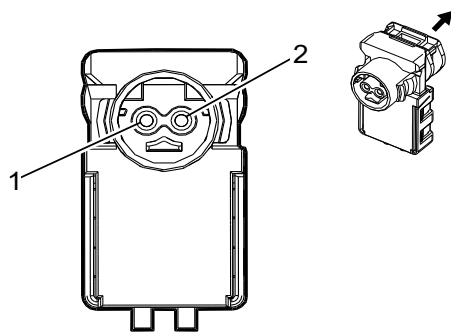
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F101 Passenger Instrument Panel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	YE/OG	3025	Passenger IP Module Stage 1 High Control	I	—
2	—	OG/WH	3024	Passenger IP Module Stage 1 Low Control	I	—

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F101 Passenger Instrument Panel Air Bag X2



3214033

Connector Part Information

Harness Type: Instrument Panel Air Bag
OEM Connector: 13580453
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE Cover)

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

F101 Passenger Instrument Panel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	GY	3027	Passenger IP Module Stage 2 High Control	I	—
2	—	OG/VT	3026	Passenger IP Module Stage 2 Low Control	I	—

F101 Passenger Instrument Panel Air Bag X3**Connector Part Information**

Harness Type: Instrument Panel Air Bag

OEM Connector: Not Available

Service Connector: Service by Harness - See Part Catalog

Description: 1-Way

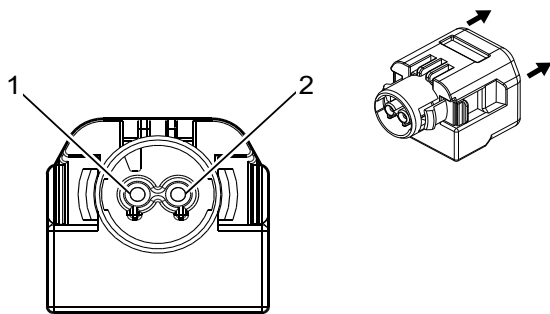
Terminal Part Information

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

F101 Passenger Instrument Panel Air Bag X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	BK/WH	2051	Signal Ground	I	—

F105L Roof Rail Air Bag - Left



4676225

Connector Part Information

Harness Type: Body
OEM Connector: 1-1801934-3
Service Connector: 13599241
Description: 2-Way F 1.0 Series (GY with YE Cover)

Terminal Part Information

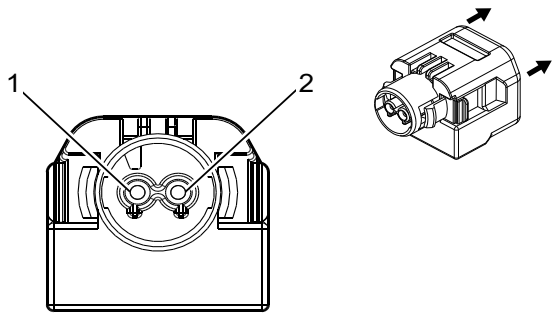
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

F105L Roof Rail Air Bag - Left

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	5019	Left Front Head Curtain Module High Control	I	—
2	0.5	VT/OG	5020	Left Front Head Curtain Module Low Control	I	—

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F105R Roof Rail Air Bag - Right



4676225

Connector Part Information

Harness Type: Body
OEM Connector: 1-1801934-3
Service Connector: 13599241
Description: 2-Way F 1.0 Series (GY with YE Cover)

Terminal Part Information

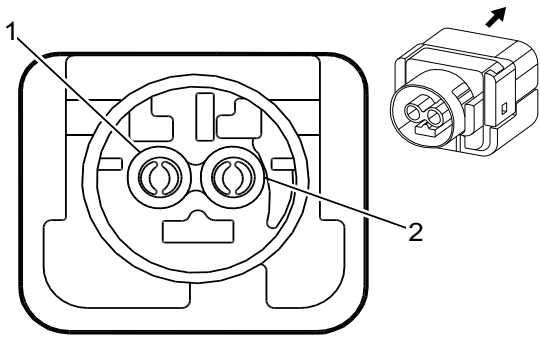
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

F105R Roof Rail Air Bag - Right

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	5021	Right Front Head Curtain Module High Control	I	—
2	0.5	WH/OG	5022	Right Front Head Curtain Module Low Control	I	—

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F106D Seat Side Air Bag - Driver



2231620

Connector Part Information

Harness Type: Driver Seat Back
OEM Connector: PPI0001142
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

Terminal Part Information

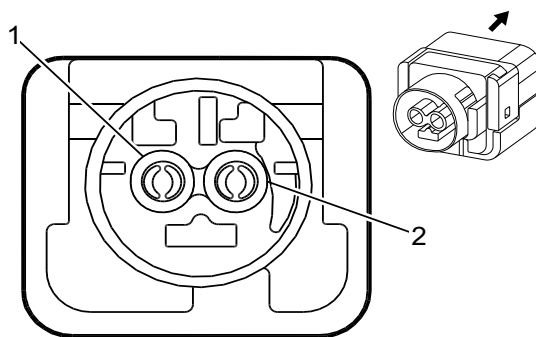
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F106D Seat Side Air Bag - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BU	3068	Driver Side Impact Module High Control	I	—
2	0.5	GN/OG	3069	Driver Side Impact Module Low Control	I	—

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F106P Seat Side Air Bag - Passenger



2231620

Connector Part Information

Harness Type: Passenger Seat Back

OEM Connector: PPI0001142

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F FPB 180-1 Series (BK with YE Cover)

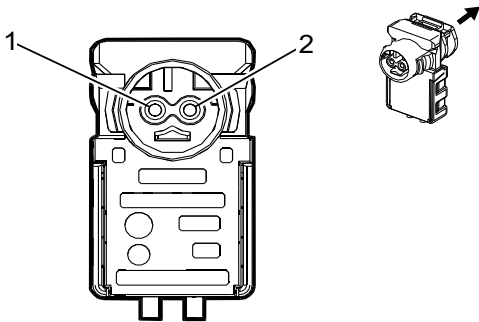
Terminal Part Information

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

F106P Seat Side Air Bag - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/GY	3066	Passenger Side Impact Module High Control	I	—
2	0.5	BN/OG	3067	Passenger Side Impact Module Low Control	I	—

F107 Steering Wheel Air Bag X1



3214032

Connector Part Information

Harness Type: Steering Wheel Air Bag Coil
OEM Connector: 13580454
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F AK-2 Series (L-GN with YE Cover)

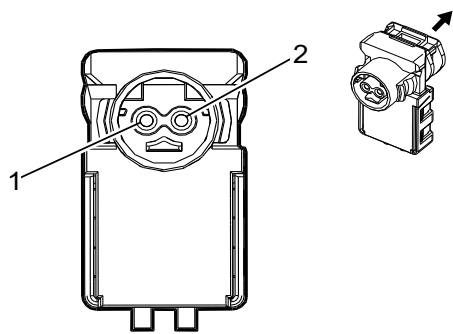
Terminal Part Information

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

F107 Steering Wheel Air Bag X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	TN	3020	Steering Wheel Module Stage 1 Low Control	I	—
2	0.5	BN	3021	Steering Wheel Module Stage 1 High Control	I	—

F107 Steering Wheel Air Bag X2



3214033

Connector Part Information

Harness Type: Steering Wheel Air Bag Coil
OEM Connector: 13580453
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F AK-2 Series (YE with YE Cover)

Terminal Part Information

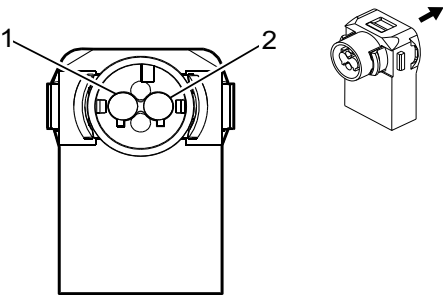
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	Not Available	No Tool Required	Not Required	Not Required	Not Required	Not Required

F107 Steering Wheel Air Bag X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	WH	3022	Steering Wheel Module Stage 2 Low Control	I	—
2	0.35	PK	3023	Steering Wheel Module Stage 2 High Control	I	—

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F112D Seat Belt Retractor Pretensioner - Driver (Crew Cab)



4241364

Connector Part Information

Harness Type: Body
OEM Connector: 33345778
Service Connector: 19355490
Description: 2-Way F ABX-5 Series (PU with YE Cover)

Terminal Part Information

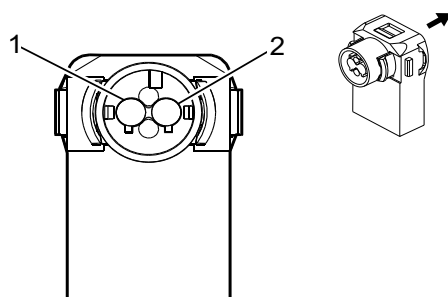
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

F112D Seat Belt Retractor Pretensioner - Driver (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	—

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F112D Seat Belt Retractor Pretensioner - Driver (Extended Cab)



4241364

Connector Part Information

Harness Type: Left Rear Door

OEM Connector: 13516029

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F ABX-5 Series (PU with YE Cover)

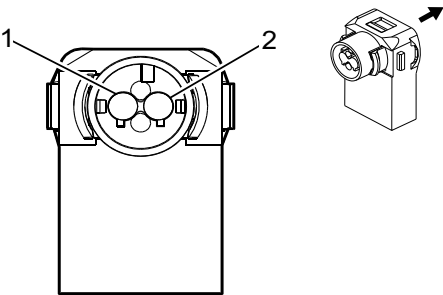
Terminal Part Information

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

F112D Seat Belt Retractor Pretensioner - Driver (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/WH	3477	Driver Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	GY/OG	3478	Driver Seat Belt Retractor Pretensioner Low Control	I	—

F112P Seat Belt Retractor Pretensioner - Passenger (Crew Cab)



4241364

Connector Part Information

Harness Type: Body
OEM Connector: 13516029
Service Connector: -
Description: 2-Way F ABX-5 Series (PU with YE Cover)

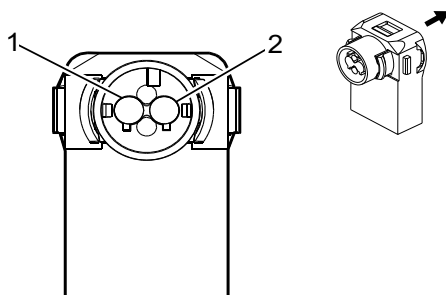
Terminal Part Information

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

F112P Seat Belt Retractor Pretensioner - Passenger (Crew Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	—

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F112P Seat Belt Retractor Pretensioner - Passenger (Extended Cab)

4241364

Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 33345778

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F ABX-5 Series (PU with YE Cover)

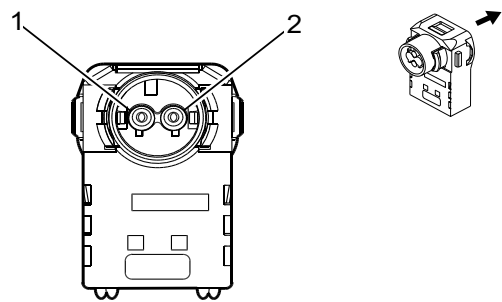
Terminal Part Information

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

F112P Seat Belt Retractor Pretensioner - Passenger (Extended Cab)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/L-GN	3475	Passenger Seat Belt Retractor Pretensioner High Control	I	—
2	0.5	WH/OG	3476	Passenger Seat Belt Retractor Pretensioner Low Control	I	—

F113D Seat Belt Anchor Pretensioner - Driver



4231869

Connector Part Information

Harness Type: Left Rear Door
OEM Connector: 33345777
Service Connector: Service by Harness - See Part Catalog
Description: 2-Way F ABX-5 Series (PK with YE Cover)

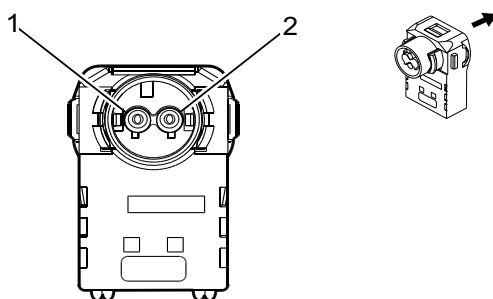
Terminal Part Information

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

F113D Seat Belt Anchor Pretensioner - Driver

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/YE	3481	Driver Seat Belt Anchor Pretensioner High Control	I	—
2	0.5	VT/OG	3482	Driver Seat Belt Anchor Pretensioner Low Control	I	—

F113P Seat Belt Anchor Pretensioner - Passenger



4231869

Connector Part Information

Harness Type: Right Rear Door

OEM Connector: 33345777

Service Connector: Service by Harness - See Part Catalog

Description: 2-Way F ABX-5 Series (PK with YE Cover)

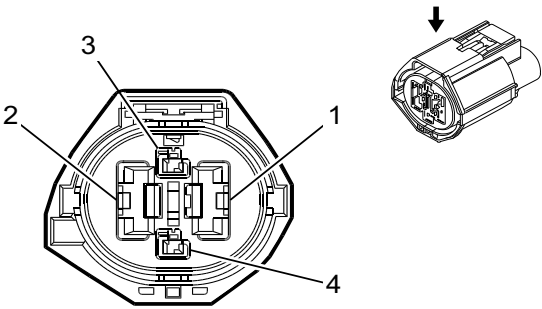
Terminal Part Information

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

F113P Seat Belt Anchor Pretensioner - Passenger

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	OG/BN	3479	Passenger Seat Belt Anchor Pretensioner High Control	I	—
2	0.5	GY/OG	3480	Passenger Seat Belt Anchor Pretensioner Low Control	I	—

G10 Cooling Fan Motor (LCV/LGZ)



2394097

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 7287-1404-10
Service Connector: 19181808
Description: 4-Way F 1.5, 9.5 Series, Sealed (D-GY)

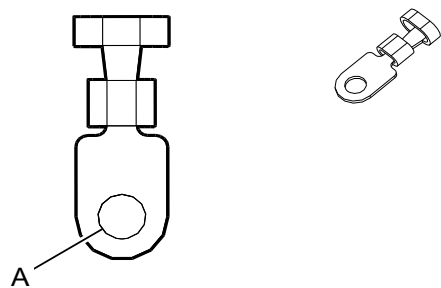
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-14 (GN)	No Tool Required	Not Required	Not Required	Not Required	Not Required
II	Not Required	J-35616-22 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required
III	Not Required	J-35616-42 (RD)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G10 Cooling Fan Motor (LCV/LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	BK	1350	Ground	II	-BTV/T3U/UTJ
	6	BK	1350	Ground	III	-BTV/T3U/UTJ
2	6	RD/GY	4840	Battery Positive Voltage	II	-BTV/T3U/UTJ
	6	RD/GY	4840	Battery Positive Voltage	III	-BTV/T3U/UTJ
3	—	—	—	Not Occupied	—	—
4	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	I	—

G13 Generator X2



2892235

Connector Part Information

Harness Type: Generator Cable
OEM Connector: 15327720
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

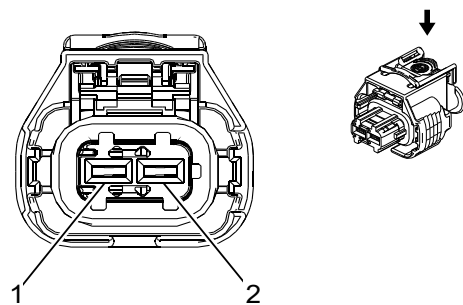
Terminal Part Information

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

G13 Generator X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	—	—	—	Not Occupied	—	—

G13 Generator X1 (LCV)



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

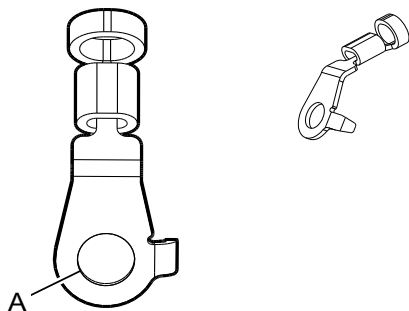
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	225	Generator Turn On Signal	I	—
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	—

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G13 Generator X2 (LCV)



4069685

Connector Part Information

Harness Type: Battery Cable
OEM Connector: 1194001
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

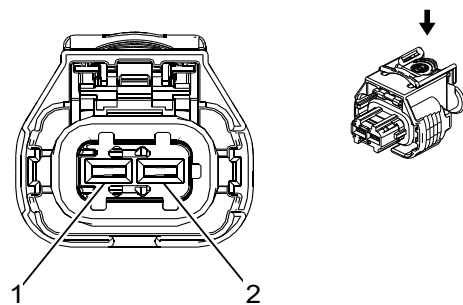
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—

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G13 Generator X1 (LGZ)



2577394

Connector Part Information

Harness Type: Engine
OEM Connector: 1928405714
Service Connector: 13384371
Description: 2-Way F 2.8 Series, Sealed (BK)

Terminal Part Information

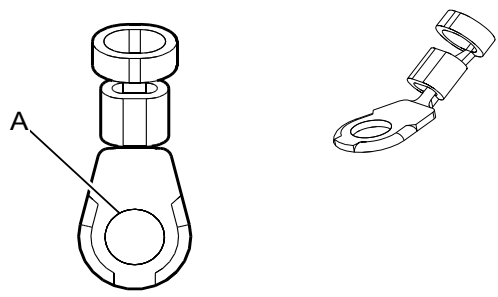
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-35 (VT)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X1 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	L-BU/WH	225	Generator Turn On Signal	I	—
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	—

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G13 Generator X2 (LGZ)



4880299

Connector Part Information

Harness Type: Generator Cable
OEM Connector: 23398006
Service Connector: Service by Cable Assembly — See Part Catalog
Description: 1-Way Ring Terminal

Terminal Part Information

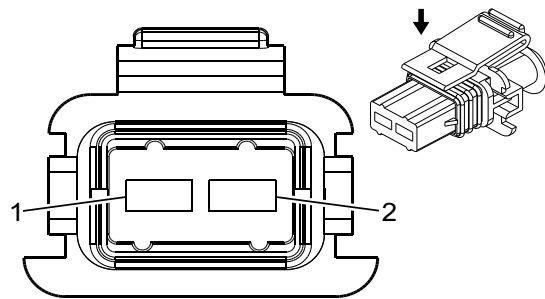
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	No Tool Required	No Tool Required	Not Required	Not Required	Not Required	Not Required

G13 Generator X2 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—

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G13 Generator X1 (LWN)



1522871

Connector Part Information

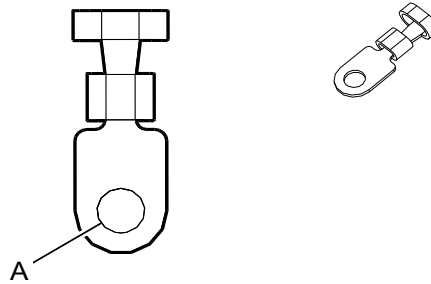
Harness Type: Engine
OEM Connector: 1928403137
Service Connector: 13585849
Description: 2-Way F Junior Power Timer Series, Sealed (BK)

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

G13 Generator X1 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN	25	Charge Indicator Control	I	—
2	0.5	GY	23	Generator Field Duty Cycle Signal	I	—

G13 Generator X2 (LWN)

2892235

Connector Part Information

Harness Type: Generator Cable

OEM Connector: 15327720

Service Connector: Service by Cable Assembly — See Part Catalog

Description: 1-Way Ring Terminal

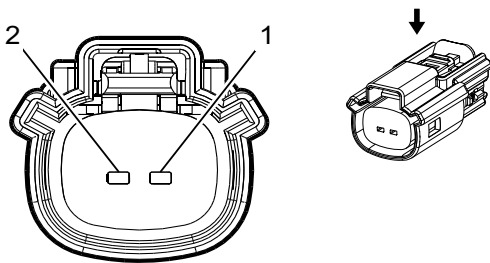
Terminal Part Information

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

G13 Generator X2 (LWN)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/YE	2	Battery Positive Voltage	I	—

G18 High Pressure Fuel Pump



2474713

Connector Part Information

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

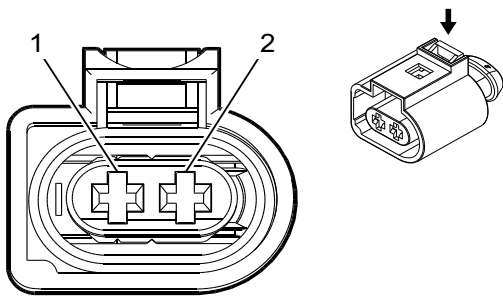
Terminal Part Information

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

G18 High Pressure Fuel Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	LCV
	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	LGZ
2	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	I	LCV
	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	I	LGZ

G24 Windshield Washer Pump



2474738

Connector Part Information

Harness Type: Forward Lamp
OEM Connector: 1-1355200-1
Service Connector: 13576532
Description: 2-Way F 2.8 MDK5 Series, Sealed (BK)

Terminal Part Information

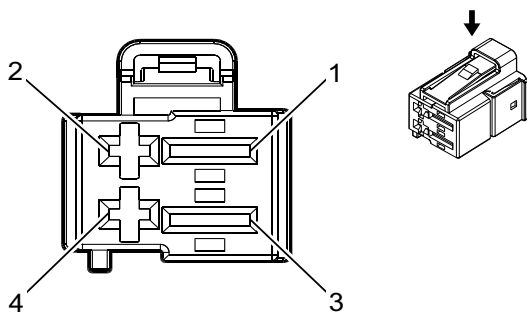
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-4A (PU)	No Tool Required	Not Required	Not Required	Not Required	Not Required

G24 Windshield Washer Pump

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY/VT	228	Windshield Washer Pump Control	I	—
2	0.75	BK	1150	Ground	I	—

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K8 Blower Motor Control Module



3924403

Connector Part Information

Harness Type: Instrument Panel
OEM Connector: 1-1418507-2
Service Connector: 19352990
Description: 4-Way F 2.8, 6.3 MCON Series (BK)

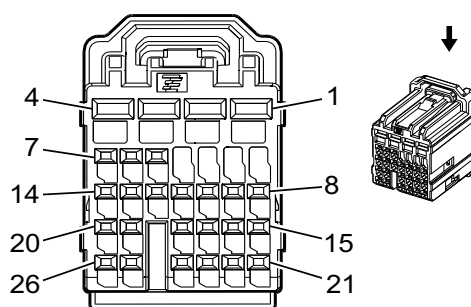
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	Not Required	J-35616-40 (BU)	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
III	Not Required	-	No Tool Required	Not Required	Not Required	Not Required	Not Required

K8 Blower Motor Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	5	BK	2250	Ground	III	—
2	—	—	—	Not Occupied	—	—
3	2.5	RD/VT	542	Battery Positive Voltage	I	—
4	0.35	L-BU/GY	754	Blower Motor Speed Control	II	—

K9 Body Control Module X1



2537268

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2098067-1

Service Connector: 13576031

Description: 26-Way F 0.64, 2.8 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	13575578	J-35616-35 (VT)	J-38125-553	8100-4445	Sumitomo 22	F	D
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

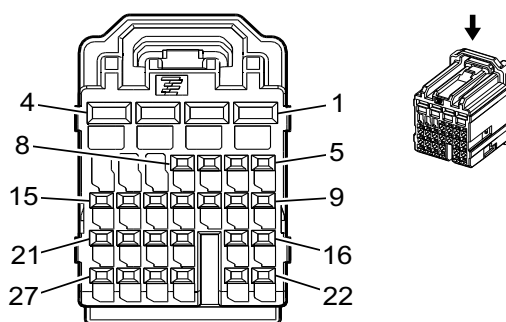
K9 Body Control Module X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	BK	2150	Ground	III	—
2	2.5	RD/L-GN	2440	Battery Positive Voltage	I	—
3	2.5	RD/YE	2340	Battery Positive Voltage	I	—
4	0.75	RD/BN	2240	Battery Positive Voltage	III	—
5	0.35	WH	6816	Indicator Dimming Control	II	—
6	—	—	—	Not Occupied	—	—
7	0.35	BK/YE	5005	Instrument Panel Lamp Dimmer Switch Low Reference	II	—
8 - 9	—	—	—	Not Occupied	—	—
10	0.35	L-BU/YE	6844	ABS/TCS Hill Descent Control Switch Signal	II	—
11	0.35	L-GN/BN	306	Headlamp Switch Headlamps Off Signal Control	II	—
12	—	—	—	Not Occupied	—	—
13	0.35	L-BU/RD	1688	5V Reference	II	—
14	0.35	GY/L-GN	328	Interior Lamp Defeat Switch Signal	II	—
15	0.35	L-BU/GY	192	Front Fog Lamp Switch Signal	II	—
16	0.35	WH/VT	103	Headlamp Switch On Signal	II	—
17 - 18	—	—	—	Not Occupied	—	—
19	0.35	BK/BN	5360	Brake Apply Sensor Low Reference	II	—

K9 Body Control Module X1 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	—	—	—	Not Occupied	—	—
21	0.35	GY	728	Security Indicator Control	II	—
22	0.35	L-GN/GY	13	Headlamp Switch Park Lamp Signal	II	—
23	—	—	—	Not Occupied	—	—
24	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
25	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
26	0.35	L-BU/WH	3275	Remote Function Actuator Receive Signal	II	—

K9 Body Control Module X2



2537269

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2098067-2

Service Connector: 13576032

Description: 27-Way F 0.64, 2.8 Series (BU)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575578	J-35616-35 (VT)	J-38125-553	8100-4445	Sumitomo 22	F	D
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

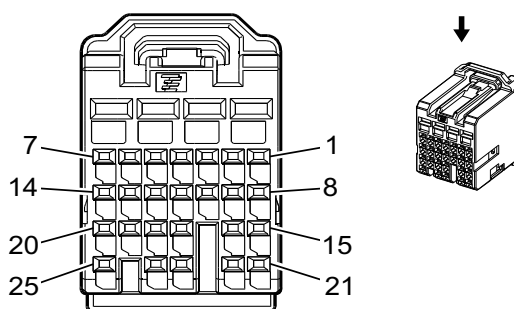
K9 Body Control Module X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	RD/WH	2040	Battery Positive Voltage	III	—
2	0.75	BK	2150	Ground	III	—
3	—	—	—	Not Occupied	—	—
4	2.5	RD/VT	4040	Battery Positive Voltage	I	—
5	0.5	GY	157	Interior Lamp Control	II	—
6	0.35	GY	5697	Child Lockout Indicator Control	II	—
7	0.35	L-BU/YE	5361	Brake Apply Sensor Signal	II	—
8	0.5	YE	6817	LED Backlight Dimming Control	II	—
9	0.35	YE/GY	44	Instrument Panel Lamp Dimmer Switch Signal	II	—
10	0.35	WH/L-BU	278	Ambient Light Sensor Signal	II	—
11	0.35	VT/YE	5526	Tap Up/Tap Down Switch Signal	II	—
12	—	—	—	Not Occupied	—	—
13	0.35	WH	5359	Brake Apply Sensor Control	II	—
14	0.35	L-BU/VT	1788	Traction Control Switch Signal 1	II	—
15	0.35	BN/WH	781	Driver Door Lock Switch Unlock Signal	II	—
16	0.35	GY	3273	Remote Function Actuator Low Reference	II	—
17	—	—	—	Not Occupied	—	—

K9 Body Control Module X2 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.35	YE/BN	3265	Child Security Lock Switch Signal	II	—
19	0.35	BN/YE	780	Driver Door Lock Switch Lock Signal	II	—
20	0.5	WH/L-BU	3691	Trailer Brake Apply Signal	II	—
21	0.5	L-GN/GY	6135	Local Interconnect Network Serial Data Bus 4	II	—
22	0.5	L-GN	5060	Low Speed GMLAN Serial Data	II	—
23	0.35	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
24	0.35	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
25	0.35	GY/WH	3272	Remote Function Actuator Control	II	—
26	0.35	L-GN/WH	111	Hazard Switch Signal	II	—
27	0.35	YE/L-GN	3274	Remote Function Actuator Transmit Signal	II	—

K9 Body Control Module X3



2537274

Connector Part Information

Harness Type: Instrument Panel

OEM Connector: 2098067-7

Service Connector: 13576037

Description: 25-Way F 0.64, 2.8 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	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available

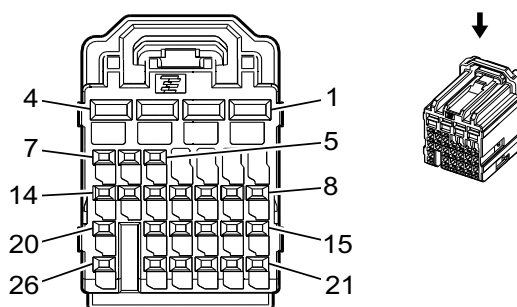
K9 Body Control Module X3

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	—
4	0.35	WH/RD	1444	12V Reference	I	—
5	0.5	VT/YE	4	Accessory Ignition Voltage	I	—
6	0.5	VT/BK	3	Run/Crank Ignition 1 Voltage	I	—
7	0.35	VT/YE	143	Accessory Ignition Voltage	I	—
8	0.35	L-GN	6818	Steering Wheel Resistor Ladder Signal 1	I	—
9	0.35	BN/L-GN	1884	Cruise Control Set/Coast/Resume/Accelerate Switch Signal	I	—
10	0.35	BK/GY	6009	Windshield Wiper Switch Low Reference	I	—
11	0.35	WH	524	Headlamp Dimmer Switch High Beam Signal	I	—
12	0.35	WH/L-GN	663	Hazard Switch Left Turn Signal	I	—
13	0.35	YE/L-BU	1714	Windshield Wiper Switch Low Signal	I	—
14	0.35	L-BU/GY	553	Shift Select Switch Performance Signal	I	—
15	0.5	WH/VT	1020	Off/Run/Crank Ignition Voltage	I	—
16	0.35	GY/L-GN	5737	Adaptive Cruise Control Gap Up/Down Switch Signal	I	—
17	0.35	YE/BN	307	Headlamp Switch Flash To Pass Signal	I	—
18	0.35	L-GN/WH	3287	Horn Switch Signal	I	—
19	0.5	L-GN/WH	7527	Local Interconnect Network Serial Data Bus 5	I	—

K9 Body Control Module X3 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	0.35	GY	1715	Windshield Wiper Switch High Signal	I	—
21	—	—	—	Not Occupied	—	—
22	0.5	WH/BK	1073	Ignition Key Resistor Signal	I	—
23	0.35	GY	5054	Sport Mode Switch Signal	I	—
24	0.35	VT/L-BU	664	Hazard Switch Right Turn Signal	I	—
25	0.35	WH/BK	94	Windshield Washer Switch Signal	I	—

K9 Body Control Module X4



2537270

Connector Part Information

Harness Type: Body
 OEM Connector: 2098067-3
 Service Connector: 13576033
 Description: 26-Way F 0.64, 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	13575578	J-35616-35 (VT)	J-38125-553	8100-4445	Sumitomo 22	Not Available	Not Available
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582298	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
IV	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

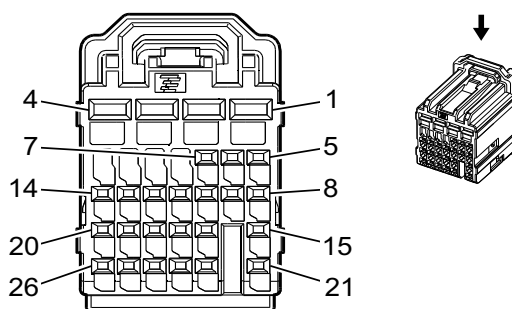
K9 Body Control Module X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	YE	312	Right Headlamp Low Beam Control	I	—
2	1.5	YE	712	Left Headlamp Low Beam Control	I	—
3	0.75	L-GN/VT	1315	Right Front Turn Signal Lamp Control	IV	—
4	1.5	WH/YE	7541	Right Rear Stop Lamp Control	I	—
5	0.5	GY/BN	309	Right Park Lamp Control	II	—
6	0.5	VT/GY	709	Left Park Lamp Control	II	—
7	0.5	BN/L-BU	2509	Left Rear Park Lamp Control	II	—
8 - 11	—	—	—	Not Occupied	—	—
12	0.35	GY/VT	755	RAP Relay Coil Control	II	—
13	0.5	L-GN/YE	6846	Rear License Lamp Control	II	—
14	0.5	BN/GY	2268	Windshield Washer Relay Control	II	—
15	0.35	L-GN/VT	5199	Run/Crank Relay Coil Control	II	—
16	0.5	GY	91	Windshield Wiper Motor Relay Coil Control	II	—
17	0.5	BN/L-GN	196	Windshield Wiper Motor Park Switch Signal	II	—
18	0.5	WH/YE	5075	Current Sensor Signal	II	—
19	—	—	—	Not Occupied	—	—

K9 Body Control Module X4 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	0.75	RD/BN	440	Battery Positive Voltage	III	—
21	0.5	L-BU/VT	5076	Current Sensor Control	II	—
22	0.35	VT/YE	5985	Accessory Wakeup Serial Data	II	—
23	0.5	WH/L-BU	5986	Serial Data Communication Enable	II	—
24	0.5	BN/L-GN	4064	Hood Status B Signal	II	—
25	—	—	—	Not Occupied	—	—
26	0.5	BK	1650	Ground	II	—

K9 Body Control Module X5



2537271

Connector Part Information

Harness Type: Body
 OEM Connector: 2098067-4
 Service Connector: 13576034
 Description: 26-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	13575578	J-35616-35 (VT)	J-38125-553	8100-4445	Sumitomo 22	Not Available	Not Available
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

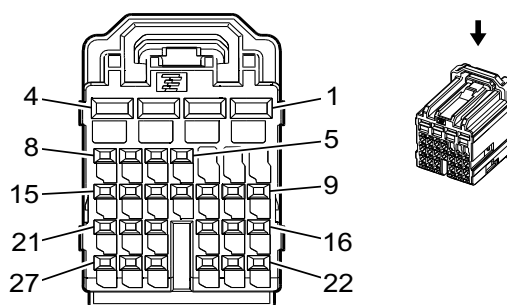
K9 Body Control Module X5

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1.5	GY/YE	7542	Left Rear Stop Lamp Control	I	—
2	0.75	L-BU/WH	1314	Left Front Turn Signal Lamp Control	III	—
3	1.5	RD/WH	2740	Battery Positive Voltage	I	—
4	1.5	RD/VT	2640	Battery Positive Voltage	I	—
5	—	—	—	Not Occupied	—	—
6	0.5	BK/VT	5077	Current Sensor Low Reference	II	—
7	0.5	BN/GY	2609	Right Rear Park Lamp Control	II	—
8	0.5	L-BU/WH	5186	Left Trailer Turn Signal Lamp Control	II	—
9 - 11	—	—	—	Not Occupied	—	—
12	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	II	—
13	0.5	BN/WH	1317	Fog Lamp Relay Control	II	—
14	0.5	VT/BN	300	Run Ignition 3 Voltage	II	—
15	—	—	—	Not Occupied	—	—
16	0.5	VT/YE	3267	Child Security Lock Relay Control	II	—
17	0.5	YE/GY	5187	Right Trailer Turn Signal Lamp Control	II	—
18	0.5	BN/VT	1969	Headlamp High Beam Relay Control	II	—
19	0.5	BN/WH	28	Horn Relay Control	II	—

K9 Body Control Module X5 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20 - 21	—	—	—	Not Occupied	—	—
22	0.5	L-BU	45	Park Lamp Relay Control	II	—
23	—	—	—	Not Occupied	—	—
24	0.5	WH/VT	860	Front Windshield Wiper Switch High Signal	II	—
25	—	—	—	Not Occupied	—	—
26	0.5	L-BU/BN	38	Backup Lamp Relay Control	II	—

K9 Body Control Module X6



2537272

Connector Part Information

Harness Type: Body
 OEM Connector: 2098067-5
 Service Connector: 13576035
 Description: 27-Way F 0.64, 2.8 Series (PK)

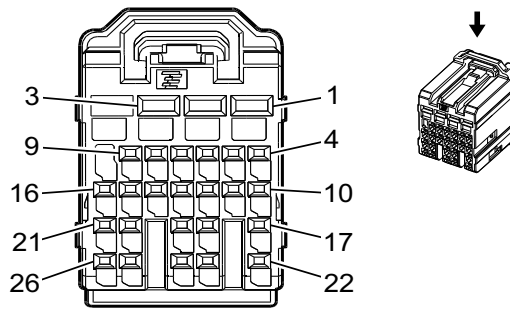
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575578	J-35616-35 (VT)	J-38125-553	8100-4445	Sumitomo 22	Not Available	Not Available
II	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
III	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

K9 Body Control Module X6

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.75	GY	5911	Door Lock Actuator Lock Control 2	III	—
2	1.5	GY/L-GN	3271	Door Lock Control 2	I	—
3	1.5	BK	3150	Ground	I	—
4	1.5 0.75	BN/YE BN/YE	294 294	Door Lock Actuator Unlock Control Door Lock Actuator Unlock Control	I III	CREW CAB EXTENDED CAB
5 - 8	—	—	—	Not Occupied	—	—
9	0.5	L-GN/L-BU	6133	Local Interconnect Network Serial Data Bus 2	II	—
10	0.5	L-GN/YE	6134	Local Interconnect Network Serial Data Bus 3	II	—
11 - 15	—	—	—	Not Occupied	—	—
16	0.5	L-GN/BN	6132	Local Interconnect Network Serial Data Bus 1	II	—
17 - 23	—	—	—	Not Occupied	—	—
24	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
25	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
26	—	—	—	Not Occupied	—	—
27	0.35	GY	747	Left Rear Door Ajar Switch Signal	II	—

K9 Body Control Module X7



2537273

Connector Part Information

Harness Type: Body
 OEM Connector: 2098067-6
 Service Connector: 13576036
 Description: 26-Way F 0.64, 2.8 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	13582297	J-35616-64B (LT BU)	J-38125-22	Not Available	Not Available	Not Available	Not Available
II	13582326	J-35616-35 (VT)	J-38125-553	8100-4444	Sumitomo 22	2	A

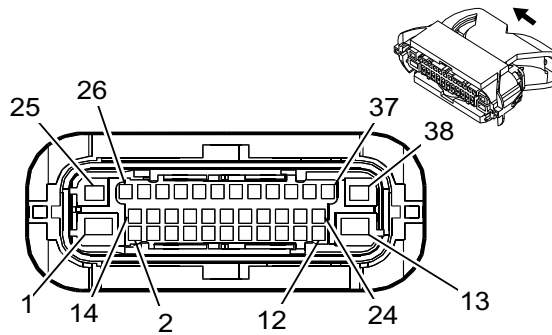
K9 Body Control Module X7

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.75	WH/BN	6815	Inadvertent Power Control	II	—
3	0.75	L-GN/WH	24	Backup Lamp Control	II	—
4 - 5	—	—	—	Not Occupied	—	—
6	0.5	VT/BK	7553	Park Lock Solenoid Control	I	—
7	0.5	BN/WH	1429	Standing Lamp Relay Control	I	—
8	0.5	VT/WH	5065	Stop Lamp Relay Coil Control	I	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.35	GY	748	Right Rear Door Ajar Switch Signal	I	—
12	0.35	BN/WH	3269	Child Security Lock Motor Status Signal Left Rear	I	—
13	0.5	WH/VT	5905	Key Capture/Column Lock Shift Position Signal	I	—
14	0.5	GY	158	Cargo Lamp Switch Signal	I	—
15	0.5	L-BU/VT	1134	Park Brake Switch Signal	I	—
16	0.5	WH/L-BU	3691	Trailer Brake Apply Signal	I	—
17	—	—	—	Not Occupied	—	—
18	0.35	GY/BK	3268	Child Security Lock Motor Status Signal Right Rear	I	—
19	0.35	GY	156	Courtesy Lamp Switch Signal	I	—
20	—	—	—	Not Occupied	—	—

K9 Body Control Module X7 (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
21	0.35	YE/VT	244	Passenger Door Lock Switch Lock Control	I	—
22	—	—	—	Not Occupied	—	—
23	0.5	L-GN	5060	Low Speed GMLAN Serial Data	I	—
24	0.35	BN/VT	245	Passenger Door Lock Switch Unlock Control	I	—
25 - 26	—	—	—	Not Occupied	—	—

K17 Electronic Brake Control Module



3638282

Connector Part Information

Harness Type: Chassis

OEM Connector: 13655518

Service Connector: 19303771

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

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-38125-215A	Not Available	Not Available	Not Available	Not Available
II	13579921	J-35616-40 (BU)	J-38125-556	1241408-1	Lear 28	B	G
III	13582286	J-35616-35 (VT)	J-38125-557	1-968857-3	Lear 7	C	1
IV	-	J-35616-14 (GN)	J-38125-215A	Not Available	Not Available	Not Available	Not Available

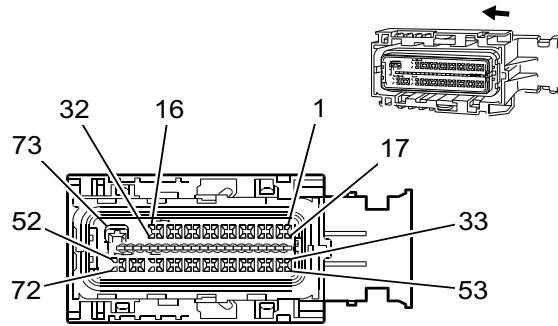
K17 Electronic Brake Control Module

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	4	RD/GY	1042	Battery Positive Voltage	II	—
2 - 3	—	—	—	Not Occupied	—	—
4	0.5	YE/VT	6030	Brake Vacuum Sensor Signal	IV	—
5	—	—	—	Not Occupied	—	—
6	0.5	WH/L-BU	5986	Serial Data Communication Enable	IV	—
7 - 8	—	—	—	Not Occupied	—	—
9	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	IV	—
10	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	IV	—
11	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	IV	—
12	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	IV	—
13	4 4	BK BK	550 550	Ground Ground	II I	LWN LWN+CREW CAB
14 - 15	—	—	—	Not Occupied	—	—
16	0.5	YE/RD	6031	Brake Vacuum Sensor 5V Reference	IV	—
17	—	—	—	Not Occupied	—	—

K17 Electronic Brake Control Module (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
18	0.5	WH	6106	High Speed GMLAN Serial Data (-) 2	IV	—
19	0.5	L-BU/YE	6105	High Speed GMLAN Serial Data (+) 2	IV	—
20	—	—	—	Not Occupied	—	—
21	0.5	L-GN/GY	333	Brake Fluid Level Sensor Signal	IV	—
22	0.5	BK/YE	6032	Brake Vacuum Sensor Low Reference	IV	—
23 - 24	—	—	—	Not Occupied	—	—
25	2.5	RD/YE	442	Battery Positive Voltage	III	—
26	0.5	YE	872	Wheel Speed Sensor Signal Right Front	IV	—
27	0.5	GY/BN	7065	Wheel Speed Sensor Control Right Front	IV	—
28	0.5	BN	6305	Brake Vacuum Switch Signal	IV	—
29	0.5	GY/BK	7127	Wheel Speed Sensor Control Left Rear	IV	—
30	0.5	L-BU	884	Wheel Speed Sensor Signal Left Rear	IV	—
31 - 32	—	—	—	Not Occupied	—	—
33	0.5	VT	882	Wheel Speed Sensor Signal Right Rear	IV	—
34	0.5	GY/YE	7128	Wheel Speed Sensor Control Right Rear	IV	—
35	—	—	—	Not Occupied	—	—
36	0.5	GY/WH	7064	Wheel Speed Sensor Control Left Front	IV	—
37	0.5	GY	830	Wheel Speed Sensor Signal Left Front	IV	—
38	—	—	—	Not Occupied	—	—

K20 Engine Control Module X1 (LCV)



2470482

Connector Part Information

Harness Type: Engine

OEM Connector: 34566-0303

Service Connector: 13574782

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK 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-35616-4A (PU)	J-38125-11A	7116-4151-02	Yazaki 9	C	1
II	13575812	J-35616-64B (LT BU)	J-38125-213	33467-0003	Delphi 23	Not Available	J

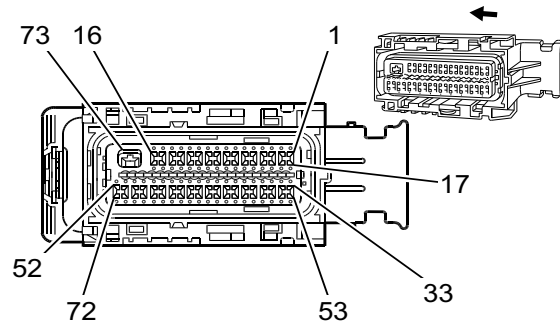
K20 Engine Control Module X1 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 6	—	—	—	Not Occupied	—	—
7	0.5	WH	7494	High Speed GMLAN Serial Data (-)3	II	—
8	0.5	L-BU/YE	7493	High Speed GMLAN Serial Data (+)3	II	—
9	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
10	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
11	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	II	—
12	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	II	—
13	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
14	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	II	—
15	0.5	RD/WH	140	Battery Positive Voltage	II	—
16	0.75	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	II	—
17 - 24	—	—	—	Not Occupied	—	—
25	0.5	BK/YE	5382	Brake Position Sensor Low Reference	II	—
26	0.5	BK/GY	6110	Clutch Apply Sensor Low Reference	II	—
27	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	II	—
28	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference 1	II	—
29 - 32	—	—	—	Not Occupied	—	—
33	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal 2	II	—
34	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	II	—

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
35 - 36	—	—	—	Not Occupied	—	—
37	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	II	—
38 - 40	—	—	—	Not Occupied	—	—
41	0.5	WH/RD	5381	Brake Position Sensor 5V Reference	II	—
42	0.5	GY/RD	6109	Clutch Apply Sensor 5V Reference	II	—
43	—	—	—	Not Occupied	—	—
44	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	II	—
45	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	II	—
46	0.5	YE/BK	3000	Coolant Temperature Sensor 2 Signal	II	—
47	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	II	—
48	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	II	—
49	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	II	—
50	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	II	—
51	0.75	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	II	—
52	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	II	—
53	—	—	—	Not Occupied	—	—
54	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	II	—
55 - 56	—	—	—	Not Occupied	—	—
57	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	II	—
58 - 59	—	—	—	Not Occupied	—	—
60	0.5	BN/GY	4008	Humidity Sensor Signal	II	—
61	0.5	WH/L-GN	5380	Brake Position Sensor Signal	II	—
62	0.5	YE	6111	Clutch Apply Sensor Signal	II	—
63	—	—	—	Not Occupied	—	—
64	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	II	—
65	0.5	WH	1310	EVAP Canister Vent Solenoid Control	II	—
66	—	—	—	Not Occupied	—	—
67	0.5	YE	5991	Powertrain Relay Coil Control	II	—
68	—	—	—	Not Occupied	—	—
69	0.5	L-BU	6814	Thermostat Engine Cool Control	II	—
70	—	—	—	Not Occupied	—	—
71	0.5	BN/WH	419	Check Engine Indicator Control	II	—
72	—	—	—	Not Occupied	—	—
73	1	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	I	—

K20 Engine Control Module X2 (LCV)



1673472

Connector Part Information

Harness Type: Engine

OEM Connector: 34566-0103

Service Connector: 88988931

Description: 73-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	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 X2 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	—	—	—	Not Occupied	—	—
2	0.5	L-BU	410	Engine Coolant Temperature Sensor Signal	II	—
3	—	—	—	Not Occupied	—	—
4	0.5	BN/RD	7445	Fuel Line Pressure Sensor 5V Reference	II	—
5	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	II	—
6	0.5	GY/YE	5297	Camshaft Position Exhaust Sensor Control 1	II	—
7	0.5	GY/L-BU	5300	Camshaft Position Intake Sensor Control 1	II	—
8 - 11	—	—	—	Not Occupied	—	—
12	0.5	BN/RD	2701	Throttle Position Sensor 5V Reference	II	—
13	0.5	L-BU/WH	3630	Throttle Position Sensor (SENT1) Signal	II	—
14	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	II	—
15	0.5	VT/L-BU	6270	Crankshaft 60X Sensor 5V Reference	II	—
16 - 19	—	—	—	Not Occupied	—	—
20	0.5	L-BU/WH	7446	Fuel Line Pressure Sensor Signal	II	—
21	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	II	—
22	0.5	BK/GY	5296	Camshaft Position Exhaust Sensor Low Reference 1	II	—

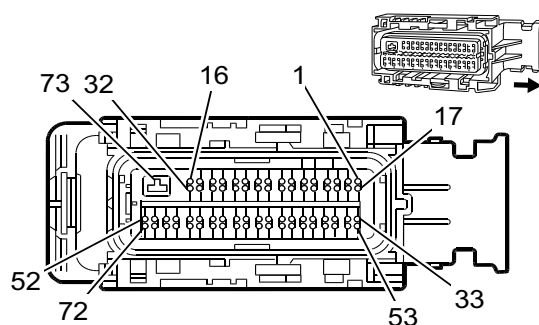
K20 Engine Control Module X2 (LCV) (cont'd)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
23	0.5	BK/L-GN	5301	Camshaft Position Intake Sensor Low Reference 1	II	—
24 - 27	—	—	—	Not Occupied	—	—
28	0.5	BK/BN	2752	Throttle Position Sensor Low Reference	II	—
29	0.5	YE/BN	331	Oil Pressure Sensor Signal	II	—
30	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	II	—
31	0.5	BK/VT	6272	Crankshaft 60X Sensor Low Reference	II	—
32	—	—	—	Not Occupied	—	—
33	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	II	—
34	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	II	—
35	—	—	—	Not Occupied	—	—
36	0.5	BK/VT	6754	Cam Phaser X Low Reference	II	—
37	0.5	BK/BN	6753	Cam Phaser W Low Reference	II	—
38	0.5	VT/BK	5273	Camshaft Position Exhaust Sensor 1	II	—
39	0.5	YE/VT	5275	Camshaft Position Intake Sensor 1	II	—
40	0.5	L-GN	6271	Crankshaft 60X Sensor Signal	II	—
41 - 42	—	—	—	Not Occupied	—	—
43	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	II	—
44	0.5	BK/L-BU	2129	Ignition Control Low Reference Bank 1	II	—
45	0.5	L-GN/L-BU	2123	Ignition Control 3	II	—
46	0.5	L-BU/VT	2121	Ignition Control 1	II	—
47	—	—	—	Not Occupied	—	—
48	0.75	L-BU	4802	Direct Fuel Injector (DFI) High Voltage Control Cylinder 2	II	—
49	0.75	GY/L-BU	4804	Direct Fuel Injector (DFI) High Voltage Control Cylinder 4	II	—
50	0.75	L-GN	4803	Direct Fuel Injector (DFI) High Voltage Control Cylinder 3	II	—
51	0.75	BN	4801	Direct Fuel Injector (DFI) High Voltage Control Cylinder 1	II	—
52	0.5	YE	581	Throttle Actuator Control Open	II	—
53	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	II	—
54	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	II	—
55	—	—	—	Not Occupied	—	—
56	0.5	GY/L-BU	5282	Camshaft Phaser Exhaust Solenoid 1	II	—
57	0.5	VT/BN	5284	Camshaft Phaser Intake Solenoid 1	II	—
58 - 59	—	—	—	Not Occupied	—	—
60	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	II	—
61	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	II	—
62 - 63	—	—	—	Not Occupied	—	—
64	0.5	L-BU	179	Oil Pump Command Signal	II	—
65	0.5	L-BU/WH	2122	Ignition Control 2	II	—

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
66	0.5	YE/L-BU	2124	Ignition Control 4	II	—
67	—	—	—	Not Occupied	—	—
68	0.75	L-BU/GY	4902	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 2	II	—
69	0.75	L-BU/WH	4904	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 4	II	—
70	0.75	L-GN/GY	4903	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 3	II	—
71	0.75	BN/WH	4901	Direct Fuel Injector (DFI) High Voltage Supply Cylinder 1	II	—
72	0.5	BN/WH	582	Throttle Actuator Control Close	II	—
73	2.5	BK/WH	1451	Signal Ground	I	—

K20 Engine Control Module X3 (LCV)



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

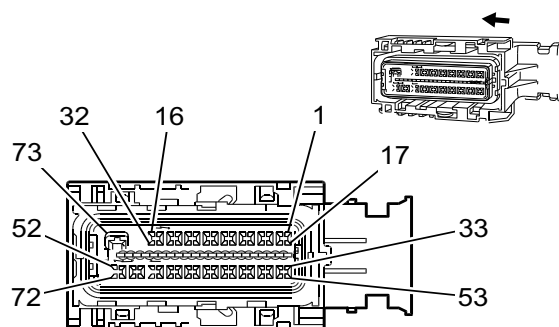
K20 Engine Control Module X3 (LCV)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	—	—	—	Not Occupied	—	—
4	0.5	L-GN/L-BU	428	EVAP Canister Purge Solenoid Control	II	—
5	—	—	—	Not Occupied	—	—
6	0.5	BN/RD	2917	Fuel Rail Pressure Sensor 5V Reference	II	—
7	—	—	—	Not Occupied	—	—
8	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	II	—
9 - 10	—	—	—	Not Occupied	—	—
11	0.5	L-BU/RD	1688	5V Reference	II	—
12 - 13	—	—	—	Not Occupied	—	—
14	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	II	—
15	—	—	—	Not Occupied	—	—
16	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	II	—
17	—	—	—	Not Occupied	—	—
18	0.5	L-BU/WH	225	Generator Turn On Signal	II	—
19	0.5	GY	23	Generator Field Duty Cycle Signal	II	—
20	0.5	BK/L-GN	6281	Fuel Level Sensor Low Reference	II	—
21	0.5	L-BU/WH	2918	Fuel Rail Pressure Sensor Signal	II	—
22	0.5	BK/L-GN	2919	Fuel Rail Pressure Sensor Low Reference	II	—

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
23 - 26	—	—	—	Not Occupied	—	—
27	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	II	—
28 - 39	—	—	—	Not Occupied	—	—
40	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	II	—
41	0.5	BN/L-GN	1174	Oil Level Switch Signal	II	—
42	—	—	—	Not Occupied	—	—
43	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	II	—
44 - 45	—	—	—	Not Occupied	—	—
46	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	II	—
47 - 51	—	—	—	Not Occupied	—	—
52	0.5	VT/BK	7300	High Pressure Fuel Pump Actuator Low - Control	II	—
53 - 54	—	—	—	Not Occupied	—	—
55	0.5	GY	3890	Aero Shutter Control 2	II	—
56 - 58	—	—	—	Not Occupied	—	—
59	0.5	BK/GY	2303	Knock Sensor Low Reference 2	II	—
60	0.5	WH/GY	1876	Knock Sensor Signal 2	II	—
61	0.5	BK/YE	1716	Knock Sensor Low Reference 1	II	—
62	0.5	VT/GY	496	Knock Sensor Signal 1	II	—
63	0.5	VT/WH	821	Vehicle Speed Sensor Signal	II	—
64 - 66	—	—	—	Not Occupied	—	—
67	0.5	L-GN/WH	5007	Reverse Switch Signal	II	—
68	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal	II	—
69 - 71	—	—	—	Not Occupied	—	—
72	0.5	YE	7301	High Pressure Fuel Pump Actuator High - Control	II	—
73	2.5	BK/WH	1451	Signal Ground	I	—

K20 Engine Control Module X1 (LGZ)



2470482

Connector Part Information

Harness Type: Engine

OEM Connector: 34566-0303

Service Connector: 13574782

Description: 73-Way F 0.64, 2.8 Series, Sealed (BK 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	13575797	J-35616-4A (PU)	J-38125-11A	7116-4152-02	Yazaki 9	2	5
II	13575812	J-35616-64B (LT BU)	J-38125-213	33467-0003	Delphi 23	Not Available	J

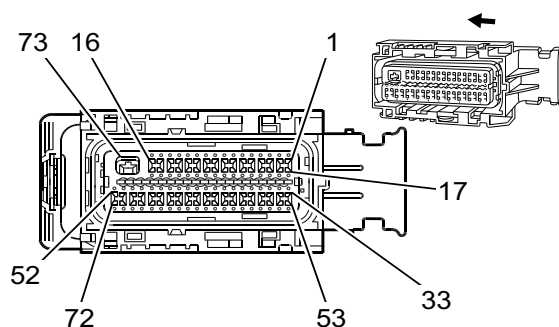
K20 Engine Control Module X1 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 4	—	—	—	Not Occupied	—	—
5	0.5	BK/VT	1272	Accelerator Pedal Position Low Reference 2	II	—
6	0.5	YE/WH	1161	Accelerator Pedal Position Signal 1	II	—
7	0.5	BK/L-BU	1271	Accelerator Pedal Position Low Reference 1	II	—
8	0.5	WH	7494	High Speed GMLAN Serial Data (-)3	II	—
9	0.5	BK/YE	5382	Brake Position Sensor Low Reference	II	—
10 - 11	—	—	—	Not Occupied	—	—
12	0.5	WH	2501	High Speed GMLAN Serial Data (-) 1	II	—
13	0.5	WH/L-BU	6311	Cruise/ETC/TCC Brake Signal	II	—
14	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	II	—
15	0.5	YE	5991	Powertrain Relay Coil Control	II	—
16	0.5	BN/WH	419	Check Engine Indicator Control	II	—
17	0.5	WH/BK	2366	Cooling Fan Control Relay Speed Signal	II	—
18 - 20	—	—	—	Not Occupied	—	—
21	0.5	BN/RD	1274	Accelerator Pedal Position 5V Reference 2	II	—
22	0.5	L-GN/WH	1162	Accelerator Pedal Position Signal 2	II	—
23	0.5	WH/RD	1164	Accelerator Pedal Position 5V Reference 1	II	—
24	0.5	L-BU/BK	7493	High Speed GMLAN Serial Data (+)3	II	—
25	0.5	WH/RD	5381	Brake Position Sensor 5V Reference	II	—

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
26	0.5	WH/L-GN	5380	Brake Position Sensor Signal	II	—
27	—	—	—	Not Occupied	—	—
28	0.5	L-BU	2500	High Speed GMLAN Serial Data (+) 1	II	—
29	0.5	WH/GY	1786	Transmission Park/Neutral Signal 1	II	—
30	0.5	L-GN/WH	492	Mass Air Flow Sensor Signal	II	—
31 - 37	—	—	—	Not Occupied	—	—
38	0.5	L-BU/WH	890	Fuel Tank Pressure Sensor Signal	II	—
39	0.5	BN/GY	4008	Humidity Sensor Signal	II	—
40 - 43	—	—	—	Not Occupied	—	—
44	0.5	BK/WH	2151	Signal Ground	II	—
45 - 46	—	—	—	Not Occupied	—	—
47	0.5	BN/RD	2700	A/C Pressure Sensor 5V Reference	II	—
48	—	—	—	Not Occupied	—	—
49	0.5	VT/L-BU	5292	Powertrain Main Relay Fused Supply 3	II	—
50	0.5	VT/L-BU	5291	Powertrain Main Relay Fused Supply 2	II	—
51	0.5	VT/YE	5985	Accessory Wakeup Serial Data	II	—
52	0.5	RD/WH	140	Battery Positive Voltage	II	—
53	—	—	—	Not Occupied	—	—
54	0.5	WH	1310	EVAP Canister Vent Solenoid Control	II	—
55 - 63	—	—	—	Not Occupied	—	—
64	0.5	L-BU/GY	636	Outside Ambient Air Temperature Sensor Signal	II	—
65 - 66	—	—	—	Not Occupied	—	—
67	0.5	L-GN	380	A/C Refrigerant Pressure Sensor Signal	II	—
68	—	—	—	Not Occupied	—	—
69	0.5	L-GN/GY	465	Fuel Pump Primary Relay Control	II	—
70	0.5	YE/BK	625	Starter Enable Relay Control	II	—
71	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	II	—
72	0.5	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	II	—
73	2	VT/L-BU	5290	Powertrain Main Relay Fused Supply 1	I	—

K20 Engine Control Module X2 (LGZ)



1673472

Connector Part Information

Harness Type: Engine

OEM Connector: 34566-0103

Service Connector: 88988931

Description: 73-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	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 X2 (LGZ)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	GY/WH	3122	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 2	II	—
2	0.5	WH/BN	3223	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 2	II	—
3 - 6	—	—	—	Not Occupied	—	—
7	0.5	GY	3890	Aero Shutter Control 2	II	—
8	—	—	—	Not Occupied	—	—
9	0.5	BN/L-GN	1174	Oil Level Switch Signal	II	—
10	—	—	—	Not Occupied	—	—
11	0.5	YE/BN	331	Oil Pressure Sensor Signal	II	—
12	0.5	BK/BN	2761	Coolant Temperature Sensor Low Reference	II	—
13 - 16	—	—	—	Not Occupied	—	—
17	0.5	GY/WH	3113	Heated Oxygen Sensor Heater Low Control Bank 1 Sensor 1	II	—
18	0.5	L-GN/YE	3212	Heated Oxygen Sensor Heater Low Control Bank 2 Sensor 1	II	—
19 - 21	—	—	—	Not Occupied	—	—
22	0.5	L-BU/VT	1589	Primary Fuel Level Sensor Signal	II	—
23 - 26	—	—	—	Not Occupied	—	—
27	0.5	WH/RD	2705	Oil Pressure Sensor 5V Reference	II	—

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
28	0.5	VT/L-BU	5294	Powertrain Main Relay Fused Supply 5	II	—
29 - 34	—	—	—	Not Occupied	—	—
35	0.5	WH/BK	3111	Heated Oxygen Sensor Low Signal Bank 1 Sensor 1	II	—
36	0.5	YE/WH	3211	Heated Oxygen Sensor Low Signal Bank 2 Sensor 1	II	—
37	0.5	WH/YE	3121	Heated Oxygen Sensor Low Signal Bank 1 Sensor 2	II	—
38	0.5	YE/L-BU	3221	Heated Oxygen Sensor Low Signal Bank 2 Sensor 2	II	—
39	0.5	BK/YE	1716	Knock Sensor Low Reference 1	II	—
40	0.5	BK/GY	2303	Knock Sensor Low Reference 2	II	—
41	—	—	—	Not Occupied	—	—
42	0.5	YE/WH	3200	Throttle Inlet Absolute Pressure Sensor Signal	II	—
43	0.5	WH/RD	3201	Throttle Inlet Absolute Pressure Sensor 5V Reference	II	—
44	—	—	—	Not Occupied	—	—
45	0.5	L-BU/RD	1688	5V Reference	II	—
46	0.5	YE/RD	2709	Fuel Tank Pressure Sensor 5V Reference	II	—
47	0.5	GY/RD	2704	Manifold Absolute Pressure Sensor 5V Reference	II	—
48	0.5	BK/L-GN	469	Manifold Absolute Pressure Sensor Low Reference	II	—
49 - 50	—	—	—	Not Occupied	—	—
51	0.5	BK/VT	2755	Oil Pressure Sensor Low Reference	II	—
52	0.5	BN/WH	582	Throttle Actuator Control Close	II	—
53 - 54	—	—	—	Not Occupied	—	—
55	0.5	VT/GY	3110	Heated Oxygen Sensor High Signal Bank 1 Sensor 1	II	—
56	0.5	VT/WH	3210	Heated Oxygen Sensor High Signal Bank 2 Sensor 1	II	—
57	0.5	VT/L-BU	3120	Heated Oxygen Sensor High Signal Bank 1 Sensor 2	II	—
58	0.5	VT/L-GN	3220	Heated Oxygen Sensor High Signal Bank 2 Sensor 2	II	—
59	0.5	VT/GY	496	Knock Sensor Signal 1	II	—
60	0.5	WH/GY	1876	Knock Sensor Signal 2	II	—
61 - 62	—	—	—	Not Occupied	—	—
63	0.5	BK/VT	2760	Intake Air Temperature Sensor Low Reference	II	—
64	—	—	—	Not Occupied	—	—
65	0.5	VT/WH	821	Vehicle Speed Sensor Signal	II	—
66	0.5	BK/L-GN	822	Vehicle Speed Sensor Low Reference	II	—
67	0.5	L-GN/WH	432	Manifold Absolute Pressure Sensor Signal	II	—
68 - 69	—	—	—	Not Occupied	—	—
70	0.5	WH/L-BU	6289	Induction Air Temperature Sensor Signal	II	—
71	—	—	—	Not Occupied	—	—
72	0.5	YE	581	Throttle Actuator Control Open	II	—
73	2.5	BK/WH	151	Signal Ground	I	—