

2017 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Electrical Center Identification Views - Impala

ELECTRICAL CENTER IDENTIFICATION VIEWS

X50A FUSE BLOCK - UNDERHOOD BOTTOM VIEW

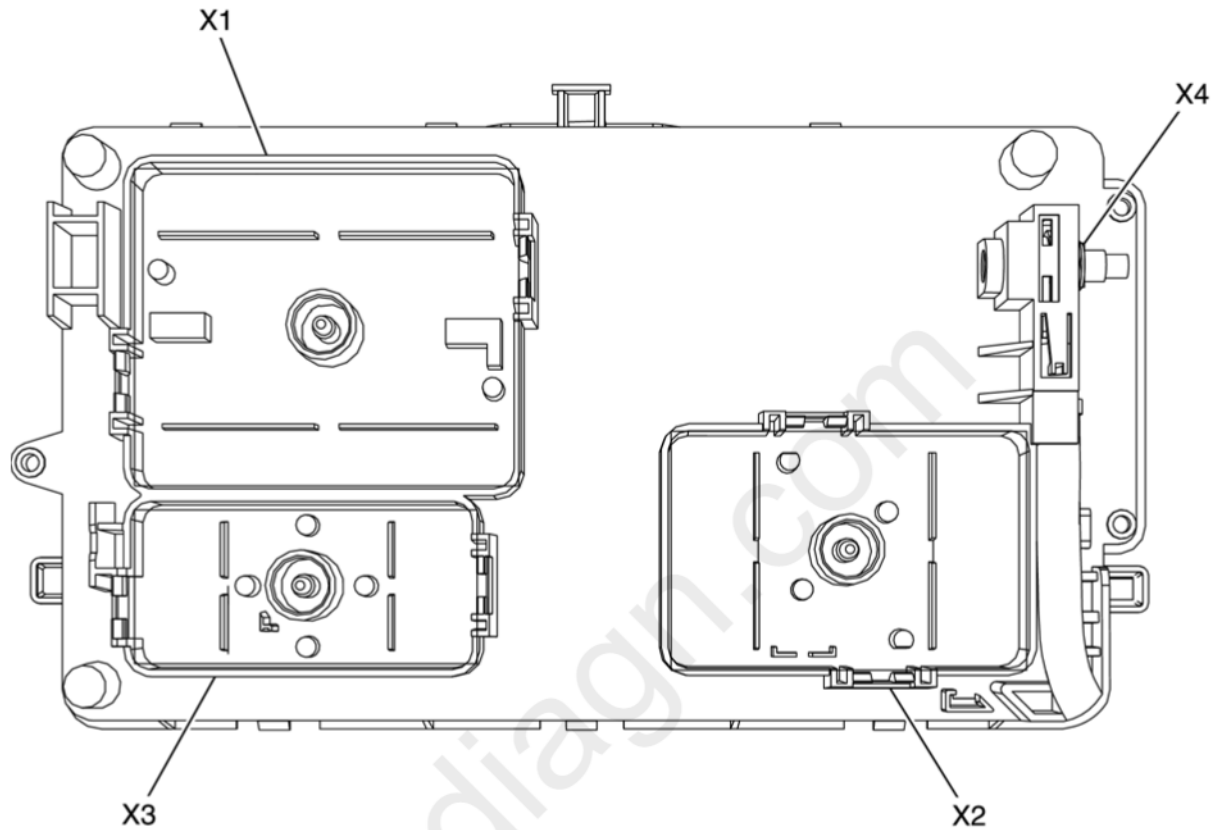


Fig. 1: X50A Fuse Block - Underhood Bottom View (without HP6)

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD BOTTOM VIEW (LKW OR LTG)

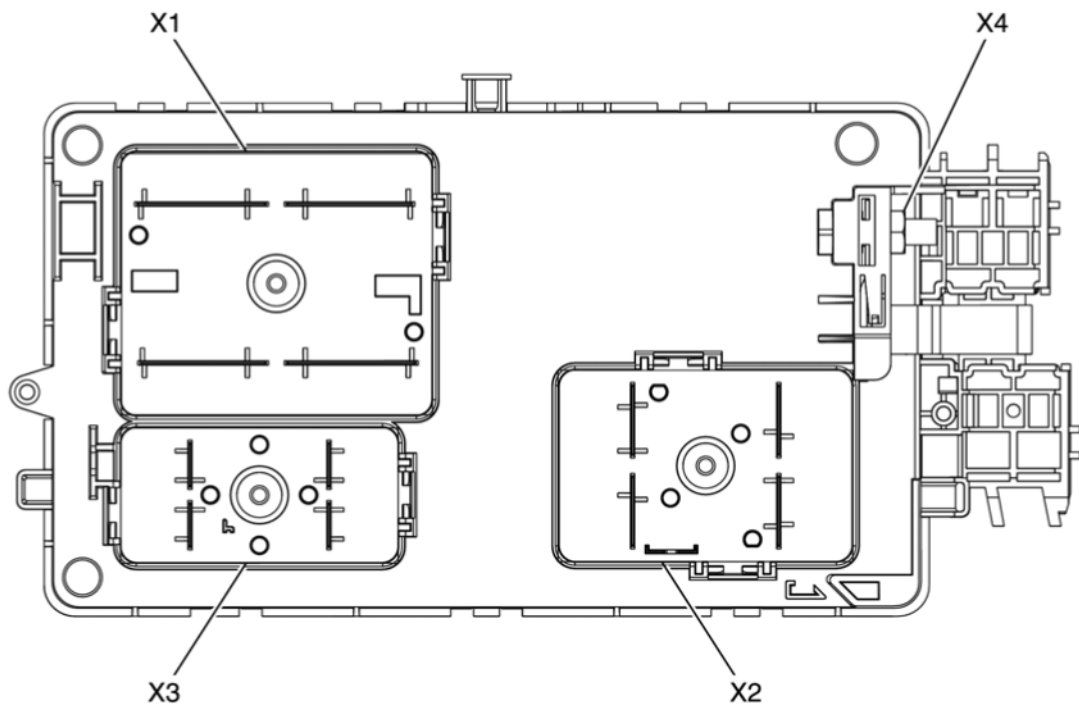


Fig. 2: X50A Fuse Block - Underhood Bottom View (LKW)
Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD LABEL

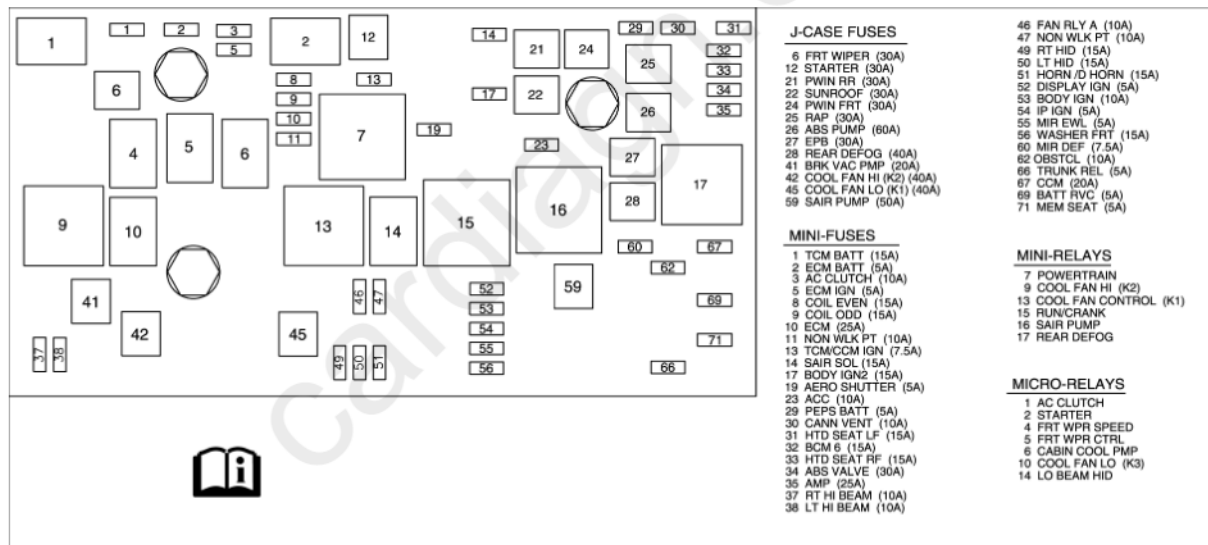


Fig. 3: X50A Fuse Block - Underhood Label
Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD TOP VIEW

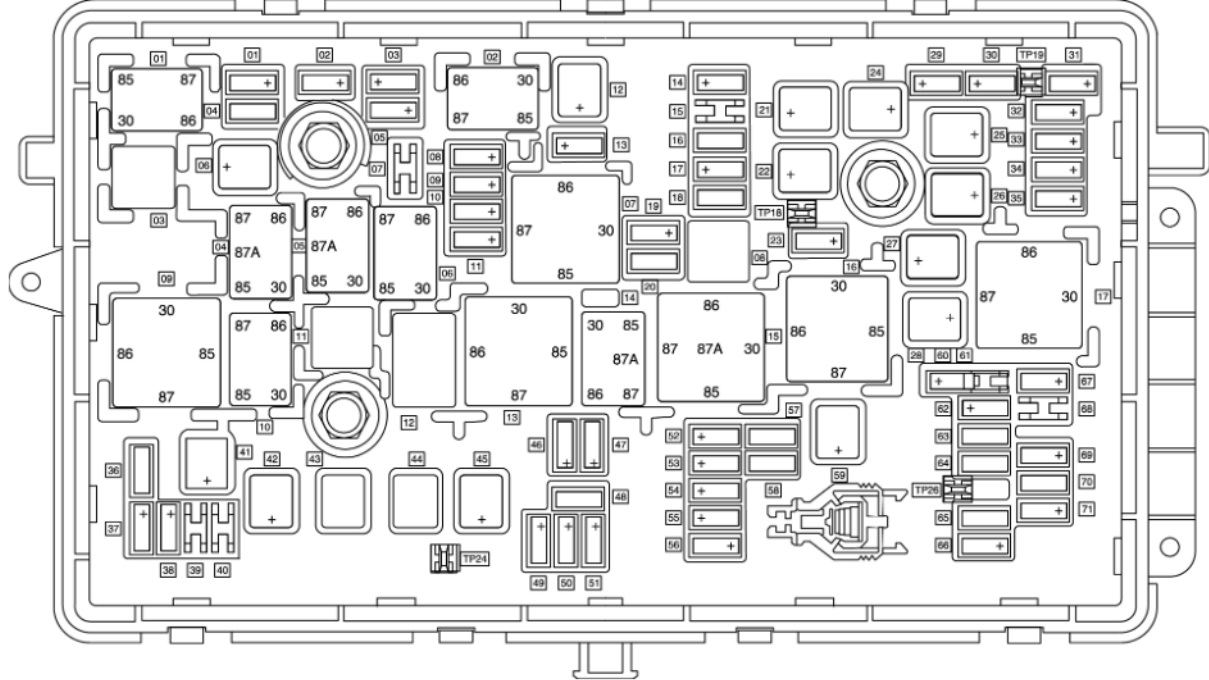


Fig. 4: X50A Fuse Block - Underhood Top View (without HP6)

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD FUSE AND RELAY IDENTIFICATION LEGEND (WITHOUT HP6)

No.	Device Label Name	Device Assigned Name	Rating	Description
1	TCM BATT	F1UA Fuse	15A	Q8 Control Solenoid Valve Assembly
2	ECM BATT	F2UA Fuse	15A	K20 Engine Control Module
3	AC CLUTCH	F3UA Fuse	10A	KR29 A/C Compressor Clutch Relay
4	-	F4UA Fuse	-	Not Used
5	ECM IGN	F5UA Fuse	5A	K20 Engine Control Module
6	FRT WPR	F6UA Fuse	30A	KR12B Windshield Wiper Relay, KR12C Windshield Wiper Speed Control Relay
7	-	F7UA Fuse	-	Not Used
8	COIL EVEN	F8UA Fuse	15A	K20 Engine Control Module (LFX), T8B Ignition Coil 2 (LFX), T8D Ignition Coil 4 (LFX), T8F Ignition Coil 6 (LFX)
9	COIL ODD	F9UA Fuse	15A	K20 Engine Control Module, T8A Ignition Coil 1, T8B Ignition Coil 2 (LKW), T8C Ignition Coil 3, T8D Ignition Coil 4 (LKW), T8E Ignition Coil 5 (LFX)
10	ECM	F10UA Fuse	25A	K20 Engine Control Module
11	NON WLK PT	F11UA Fuse	10A	B52B Heated Oxygen Sensor 2 (LKW), B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX), B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX), B75C Multifunction Intake Air Sensor, B198 Fuel Composition Sensor (LFX with FHS), KR26 Secondary Air Injection Solenoid Valve Relay (NU6)
12	STARTER	F12UA Fuse	30A	KR27 Starter Relay

No.	Device Label Name	Device Assigned Name	Rating	Description
13	TCM/CCM IGN	F13UA Fuse	7.5A	K38 Chassis Control Module, Q8 Control Solenoid Valve Assembly
14	SAIR SOL	F14UA Fuse	15A	KR26 Secondary Air Injection Solenoid Valve Relay (NU6)
15	-	F15UA Fuse	-	Not Used
16	-	F16UA Fuse	-	Not Used
17	BODY IGN2	F17UA Fuse	15A	K32 Steering Wheel Heating Control Module (UVD), K54D Seat Temperature Control Module - Driver (KU1), K54P Seat Temperature Control Module - Passenger (KU3)
18	-	F18UA Fuse	-	Not Used
19	AERO SHUTTER	F19UA Fuse	5A	M96 Active Grille Air Shutter Actuator (VRI)
20	-	F20UA Fuse	-	Not Used
21	PWIN RR	F21UA Fuse	30A	S79LR Window Switch - Left Rear, S79RR Window Switch - Right Rear
22	SUNROOF	F22UA Fuse	30A	K62 Sunroof Sunshade Motor Module (C3U), M69 Sunroof Motor (C3U)
23	ACC	F23UA Fuse	10A	K14 Distance Sensing Cruise Control Module (KSG)
24	PWIN FRT	F24UA Fuse	30A	M74D Window Motor - Driver, S79P Window Switch - Passenger
25	RAP	F25UA Fuse	30A	KR76 Retained Accessory Power Relay
26	ABS PUMP	F26UA Fuse	60A	K17 Electronic Brake Control Module
27	EPB	F27UA Fuse	30A	K83 Parking Brake Control Module
28	REAR DEFOG	F28UA Fuse	40A	R14L Rear Window Defogger Noise Filter - Left
29	PEPS BATT	F29UA Fuse	5A	K84 Keyless Entry Control Module (ATH or BTM)
30	CANN VENT	F30UA Fuse	10A	Q13 Evaporative Emission Vent Solenoid Valve
31	HTD SEAT LF	F31UA Fuse	15A	K29F Seat Heating Control Module - Front (KA1)
32	BCM 6	F32UA Fuse	15A	K9 Body Control Module
33	HTD SEAT RF	F33UA Fuse	15A	K29F Seat Heating Control Module - Front (KA1)
34	ABS VALVE	F34UA Fuse	30A	K17 Electronic Brake Control Module
35	AMP	F35UA Fuse	25A	T3 Audio Amplifier
36	-	F36UA Fuse	-	Not Used
37	RT HI BEAM	F37UA Fuse	10A	M28R High Beam Solenoid Actuator - Right
38	LT HI BEAM	F38UA Fuse	10A	M28L High Beam Solenoid Actuator - Left
39	-	F39UA Fuse	-	Not Used
40	-	F40UA Fuse	-	Not Used
41	BRK VAC PMP	F41UA Fuse	20A	KR14 Brake Booster Pump Relay

No.	Device Label Name	Device Assigned Name	Rating	Description
42	COOL FAN HI (K2)	F42UA Fuse	40A	KR20D Cooling Fan High Speed Relay
43	-	F43UA Fuse	-	Not Used
44	-	F44UA Fuse	-	Not Used
45	COOL FAN LO (K1)	F45UA Fuse	40A	KR20C Cooling Fan Low Speed Relay
46	FAN RLY A	F46UA Fuse	10A	KR20C Cooling Fan Low Speed Relay, KR20E Cooling Fan Speed Control Relay
47	NON WLK PT	F47UA Fuse	10A	B52A Heated Oxygen Sensor 1 (LKW), B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX), B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX), Q12 Evaporative Emission Purge Solenoid Valve, Q25 Rocker Arm Actuator (LKW), Q44 Engine Oil Pressure Control Solenoid Valve (LKW)
48	-	F48UA Fuse	15A	Not Used
49	RT HID	F49UA Fuse	15A	T7R Headlamp Ballast - Right (T4F)
50	LT HID	F50UA Fuse	15A	T7L Headlamp Ballast - Left (T4F)
51	HORN/D HORN	F51UA Fuse	15A	P13 Horn Assembly
52	DISPLY IGN	F52UA Fuse	5A	P14 Passenger Air Bag Disable Indicator (EF7), P16 Instrument Cluster
53	BODY IGN	F53UA Fuse	10A	A10 Inside Rearview Mirror (DD8), B87 Rearview Camera (UVC)
54	IP IGN	F54UA Fuse	5A	K33 HVAC Control Module, P43 Collision Alert Indicators, Multifunction Switch - Center Console (KA1)
55	MIR EWL	F55UA Fuse	5A	K96 Mirror Control Module (A45), S25 Garage Door Opener (UG1), S52 Outside Rearview Mirror Switch (without A45), S79D Window Switch - Driver
56	WASHER FRT	F56UA Fuse	15A	G24 Windshield Washer Pump
57	-	F57UA Fuse	-	Not Used
58	-	F58UA Fuse	-	Not Used
59	SAIR PUMP	F59UA Fuse	50A	KR25 Secondary Air Injection Pump Relay (NU6)
60	MIR DEF	F60UA Fuse	7.5A	E17D Outside Review Mirror Glass - Driver (DLG or DLL), E17P Outside Review Mirror Glass - Passenger (DLG or DLL)
61	-	F61UA Fuse	-	Not Used
62	OBSTCL	F62UA Fuse	10A	B218L Side Object Sensor Module - Left (UFG or UFT), B218R Side Object Sensor Module - Right (UFG or UFT), K41R Rear Parking Assist Control Module (UD7), K109 Frontview Camera Module (UEU or UFL)

No.	Device Label Name	Device Assigned Name	Rating	Description
63	-	F63UA Fuse	-	Not Used
64	-	F64UA Fuse	-	Not Used
65	-	F65UA Fuse	-	Not Used
66	TRUNK REL	F66UA Fuse	5A	KR95B Rear Compartment Lid Unlatch Relay
67	CCM	F67UA Fuse	20A	K38 Chassis Control Module
68	-	F68UA Fuse	-	Not Used
69	BATT RVC	F69UA Fuse	5A	K9 Body Control Module
70	-	F70UA Fuse	-	Not Used
71	MEM SEAT	F71UA Fuse	5A	K40 Seat Memory Control Module (A45)

Relays

1	AC CLUTCH	KR29 A/C Compressor Clutch Relay	-	Q2 A/C Compressor Clutch
2	STARTER	KR27 Starter Relay	-	M64 Starter Motor
3	-	-	-	Not Used
4	FRT WPR SPEED	KR12C Windshield Wiper Speed Control Relay	-	M75 Windshield Wiper Motor
5	FRT WPR CTRL	KR12B Windshield Wiper Relay	-	KR12C Windshield Wiper Speed Control Relay, M75 Windshield Wiper Motor
6	CABIN COOL PMP	KR26 Secondary Air Injection Solenoid Valve Relay	-	Q29 Secondary Air Injection Solenoid Valve (LKW), Q29A Secondary Air Injection Solenoid Valve - Bank 1 (LFX), Q29B Secondary Air Injection Solenoid Valve - Bank 2 (LFX)
7	POWERTRAIN	KR75 Engine Controls Ignition Relay	-	F8UA, F9UA, F10UA, F11UA, F46UA, F47UA, KR20D Cooling Fan High Speed Relay, KR25 Secondary Air Injection Pump Relay (NU6), KR29 A/C Compressor Clutch Relay
8	-	-	-	Not Used
9	COOL FAN HI (K2)	KR20D Cooling Fan High Speed Relay	-	G10L Cooling Fan Motor - Left, G10R Cooling Fan Motor - Right
10	COOL FAN LO (K3)	KR20C Cooling Fan Low Speed Relay	-	G10R Cooling Fan Motor - Right
11	-	-	-	Not Used
12	-	-	-	Not Used
13	COOL FAN CONTROL (K1)	KR20E Cooling Fan Speed Control Relay	-	G10L Cooling Fan Motor - Left, G10R Cooling Fan Motor - Right
14	LOW BEAM HID	KR49 Headlamp Low Beam Relay	-	Not Used
15	RUN/CRANK	KR73 Ignition Main Relay	-	F5UA, F13UA, F16UA, F17UA, F19UA, F52UA, F53UA, F54UA

No.	Device Label Name	Device Assigned Name	Rating	Description
16	SAIR PUMP	KR25 Secondary Air Injection Pump Relay	-	G21 Secondary Air Injection Pump (NU6)
17	REAR DEFOG	KR5 Rear Defogger Relay	-	F28UA, F60UA

NOTE:

Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.

18	-	KR113 Child Security Lock Disable Relay	-	A23LR Door Latch Assembly - Left Rear, A23RR Door Latch Assembly - Right Rear
19	-	-	-	Not Used
20	-	KR48 Headlamp High Beam Relay	-	F37UA, F38UA
21	-	KR3 Horn Relay	-	F51UA
22	-	-	-	Not Used
23	-	KR11 Windshield Washer Pump Relay	-	F56UA
24	-	KR95B Rear Compartment Lid Unlatch Relay	-	M40 Rear Compartment Lid Latch
25	-	-	-	Not Used
26	-	-	-	Not Used

NOTE:

Items listed below are diagnostic test points for PCB relays

TP19	-	TP19	-	Not Used
TP26	-	TP26	-	Not Used

NOTE:

Items listed below are Door Lock/Indicator diagnostic test points for PCB relays

TP18	-	TP18	-	KR113 Child Security Lock Disable Relay
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NOTE:

Items listed below are Release System diagnostic test points for PCB relays

TP24	-	TP24	-	KR95B Rear Compartment Lid Unlatch Relay
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X50A FUSE BLOCK - UNDERHOOD TOP VIEW (KL9)

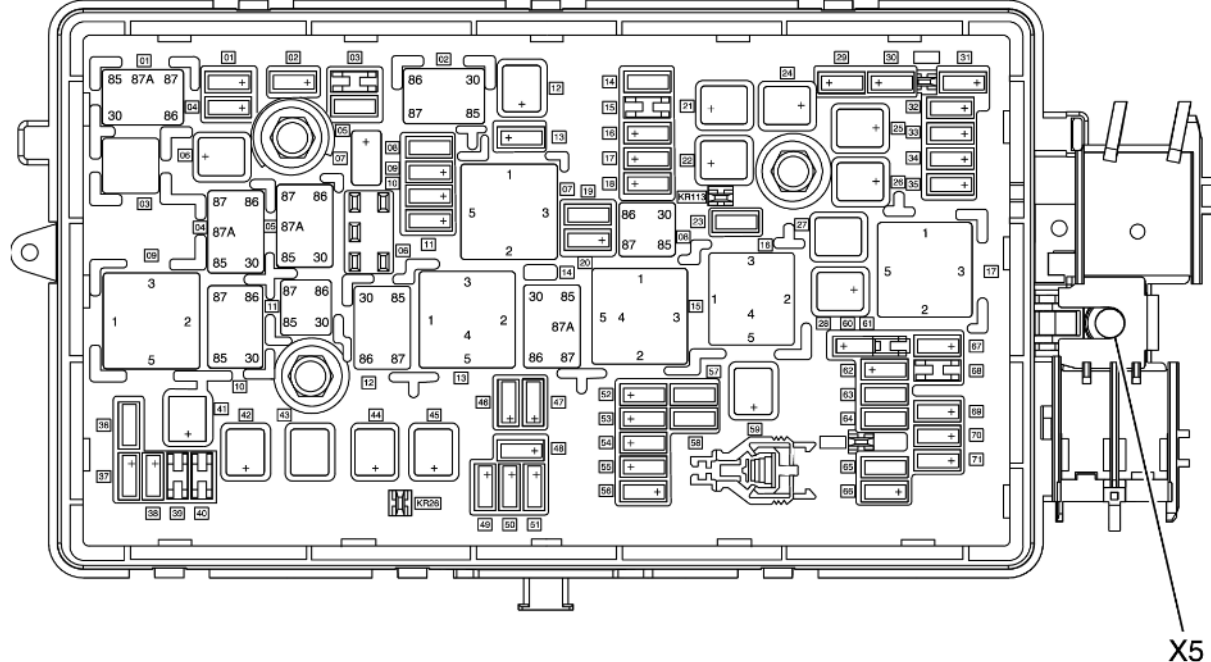


Fig. 5: X50A Fuse Block - Underhood Top View (KL9)

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD FUSE AND RELAY IDENTIFICATION LEGEND (KL9)

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	TCM BATT	F1UA Fuse	15A	Q8 Control Solenoid Assembly
2	AC CLUTCH	F2UA Fuse	10A	KR29 A/C Compressor Clutch Relay
3	-	F3UA Fuse	-	Not Occupied
4	ECM BATT	F4UA Fuse	5A	K20 Engine Control Module
5	-	F5UA Fuse	-	Not Occupied
6	FRT WIPER	F6UA Fuse	25A	KR12B Windshield Wiper Relay, KR12C Windshield Wiper Speed Control Relay
7	ECM IGN	F7UA Fuse	5A	K20 Engine Control Module
8	COIL EVEN	F8UA Fuse	15A	Not Occupied
9	COIL ODD	F9UA Fuse	15A	T8A Ignition Coil 1, T8B Ignition Coil 2, T8C Ignition Coil 3, T8D Ignition Coil 4
10	ECM	F10UA Fuse	20A	K20 Engine Control Module
11	EMISSION1	F11UA Fuse	10A	B75C Multifunction Intake Air Sensor, B52B Heated Oxygen Sensor
12	STARTER SL1	F12UA Fuse	40A	KR27B Starter Relay 2
13	TC FSC IGN	F13UA Fuse	7.5A	K38 Chassis Control Module, Q8 Control Solenoid Valve Assembly, K111 Fuel Pump Driver Control Module
14	SAIR SOL	F14UA Fuse	15A	Not Occupied
15	-	F15UA Fuse	-	Not Occupied
16	PT RC IGN	F16UA Fuse	7.5A	M96 Active Grille Air Shutter Actuator (VRI)
17	SDM IGN	F17UA Fuse	5A	K36 Inflatable Restraint Sensing and Diagnostic Module
18	DBIM	F18UA Fuse	5A	K125 Battery Isolator Control Module (KL9)
19	-	F19UA Fuse	-	Not Occupied

No.	Device Label Name	Device Assigned Name	Rating	Description
20	TRANS AUX PUMP	F20UA Fuse	25A	KR86 Transmission Fluid Pump Relay - Auxiliary (KL9)
21	WDO RR	F21UA Fuse	30A	S79LR Window Switch - Left Rear, S79RR Window Switch - Right Rear
22	SUNROOF	F22UA Fuse	30A	M69 Sunroof Motor (CF5)
23	-	F23UA Fuse	-	Not Occupied
24	WDO FRT	F24UA Fuse	30A	S79D Window Switch - Driver (AEC), S79P Window Switch - Passenger
25	PEPS MTR	F25UA Fuse	30A	K84 Keyless Entry Control Module (ATH)
26	ABS PUMP	F26UA Fuse	60A	K17 Electronic Brake Control Module
27	EPB	F27UA Fuse	30A	Not Occupied
28	RR DEFOG	F28UA Fuse	40A	R14L Rear Window Defogger Noise Filter - Left
29	LMBR DR	F29UA Fuse	15A	S65D Seat Lumbar Support Switch - Driver (APG)
30	LMBR CO DR	F30UA Fuse	15A	S65P Seat Lumbar Support Switch - Passenger (APH)
31	CCM	F31UA Fuse	15A	K38 Chassis Control Module (VRI)
32	BCM 6	F32UA Fuse	15A	K9 Body Control Module
33	HTD ST	F33UA Fuse	25A	K29D Seat Heating Control Module - Driver (KA1 without A45), K40 Seat Memory Control Module (A45)
34	ABS VALVE	F34UA Fuse	25A	K17 Electronic Brake Control Module
35	AMPLIFIER	F35UA Fuse	30A	T3 Audio Amplifier (UQA)
36	-	F36UA Fuse	-	Not Occupied
37	HI BEAM RT	F37UA Fuse	10A	E4F Headlamp - Right High Beam (T4A), M28R High Beam Solenoid Actuator - Right (T4F)
38	HI BEAM LT	F38UA Fuse	10A	E4E Headlamp - Left High Beam (T4A), M28L High Beam Solenoid Actuator - Left (T4F)
39	-	F39UA Fuse	-	Not Occupied
40	-	F40UA Fuse	-	Not Occupied
41	-	F41UA Fuse	-	Not Occupied
42	CFAN K2	F42UA Fuse	30A	KR20D Cooling Fan High Speed Relay
43	-	F43UA Fuse	-	Not Occupied
44	STARTER SL2	F44UA Fuse	20 A	KR27A Starter Relay 1
45	CFAN K1	F45UA Fuse	30A	KR20C Cooling Fan Low Speed Relay
46	FAN RLY A	F46UA Fuse	10A	KR20C Cooling Fan Low Speed Relay, KR20E Cooling Fan Speed Control Relay
47	EMISSION2	F47UA Fuse	10A	B52A Heated Oxygen Sensor 1, Q12 Evaporative Emission Purge Solenoid Valve, Q25 Rocker Arm Actuator

No.	Device Label Name	Device Assigned Name	Rating	Description
48	FOG LAMP	F48UA Fuse	15A	E29LF Fog Lamp - Left Front (T3U), E29RF Fog Lamp - Right Front (T3U)
49	RT HID	F49UA Fuse	15A	E13RA Headlamp Assembly - Right (T4F)
50	LT HID	F50UA Fuse	15A	E13LA Headlamp Assembly - Left (T4F)
51	HORN	F51UA Fuse	15A	P13 Horn Assembly
52	MIL IGN	F52UA Fuse	5A	P16 Instrument Cluster
53	BDY RC IGN	F53UA Fuse	10A	A10 Inside Rearview Mirror (DD8), B87 Rearview Camera (UVC)
54	IP RC IGN	F54UA Fuse	5A	K33 HVAC Control Module, P43 Collision Alert Indicators
55	MIR EWL FR	F55UA Fuse	7.5A	S52 Outside Rearview Mirror Switch, S79D Window Switch - Driver (AXG), S25 Garage Door Opener (UG1)
56	WASHER FRONT	F56UA Fuse	15A	G24 Windshield Washer Pump
57	NOT R/C ESCL	F57UA Fuse	-	Not Occupied
58	-	F58UA Fuse	-	Not Occupied
59	SEC AIR PUMP	F59UA Fuse	50A	KR25 Secondary Air Injection Pump Relay (NU6)
60	HTD MIR	F60UA Fuse	7.5A	E17D Outside Rearview Mirror Glass - Driver, E17P Outside Rearview Mirror Glass - Passenger
61	-	F61UA Fuse	-	Not Occupied
62	CPS	F62UA Fuse	10A	Q13 Evaporative Emission Vent Solenoid Valve
63	-	F63UA Fuse	-	Not Occupied
64	-	F64UA Fuse	-	Not Occupied
65	-	F65UA Fuse	-	Not Occupied
66	SAIR SOL	F66UA Fuse	15A	KR26 Secondary Air Injection Solenoid Valve Relay (NU6)
67	FSCM	F67UA Fuse	20A	K111 Fuel Pump Control Module
68	-	F68UA	-	Not Occupied
69	BATT RVC	F69UA Fuse	5A	K9 Body Control Module
70	LDW/UPA	F70UA Fuse	5A	B218L Side Object Sensor Module - Left (UFT), B218R Side Object Sensor Module - Right (UFT), K41R Rear Parking Assist Control Module (UD7), K109 Vehicle Camera Module (UFL)
71	PEPS BATT	F71UA Fuse	5A	K84 Keyless Entry Control Module (ATH/BTM)
Relays				
1	AC CLUTCH	KR29 A/C Compressor Clutch Relay	-	Q2 A/C Compressor Clutch
2	STARTER SL1	KR27C Starter Relay 2 (KL9)	-	M64 Starter Motor
3	-	-	-	Not Occupied
4	FRT WIPER SPEED	KR12C Windshield Wiper Speed Control Relay	-	M75 Windshield Wiper Motor

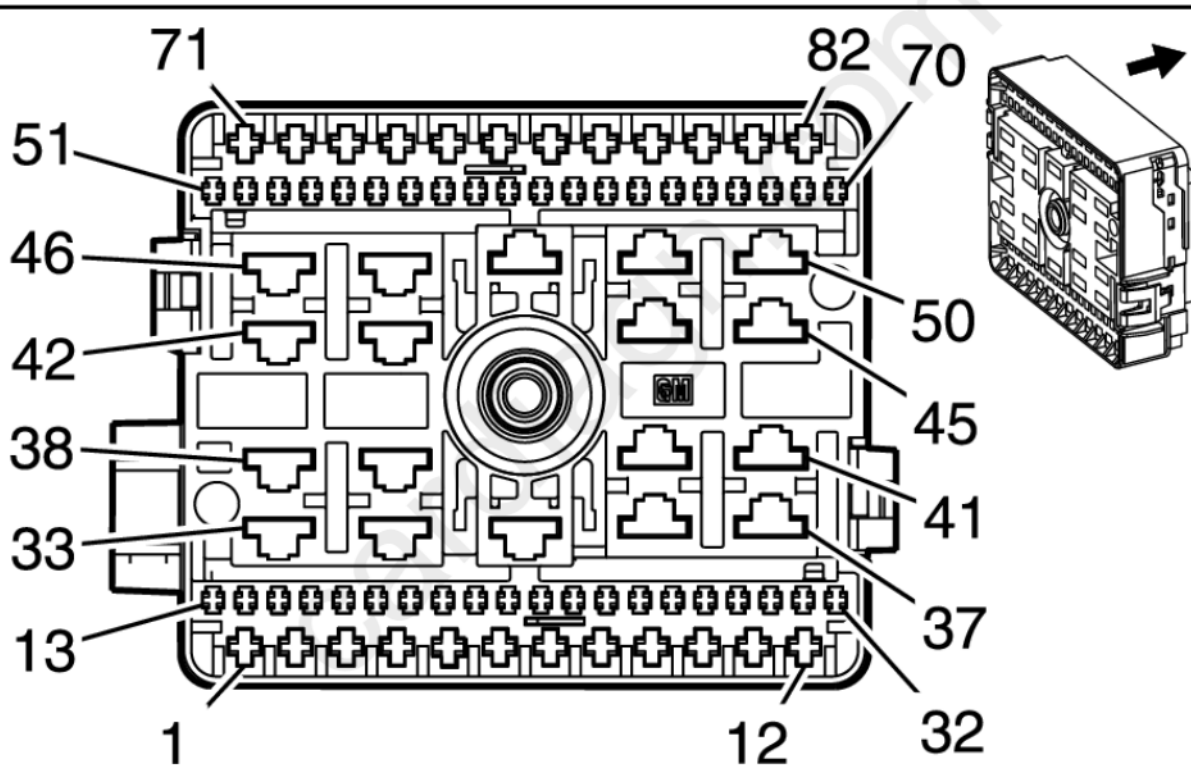
No.	Device Label Name	Device Assigned Name	Rating	Description
5	FRT WIPER CTRL	KR12B Windshield Wiper Relay	-	KR12C Windshield Wiper Speed Control Relay
6	CABIN PMP MTR	KR33 Auxiliary Heater Coolant Pump Relay	-	KR33 Auxiliary Heater Coolant Pump Relay
7	PWRTRAIN	KR75 Engine Controls Ignition Relay	-	F8UA, F9UA, F10UA, F11UA, F20UA, F47UA, KR20D Cooling Fan High Speed Relay, KR25 Secondary Air Injection Pump (NU6), KR26 Secondary Air Injection Solenoid Valve Relay (NU6), KR29 A/C Compressor Clutch Relay, KR86 Transmission Fluid Pump Relay - Auxiliary
8	TRANS AUX PUMP	KR86 Transmission Fluid Pump Relay - Auxiliary (KL9)	-	G5 Transmission Fluid Pump - Auxiliary (KL9)
9	CFAN K2	KR20E Cooling Fan Speed Control Relay	-	R10 Cooling Fan Resistor
10	CFAN K3	KR20C Cooling Fan Low Speed Relay	-	R10 Cooling Fan Resistor
11	STARTER SL2	KR27A Starter Relay 1 (KL9)	-	M64 Starter Motor
12	-	-	-	Not Occupied
13	CFAN K1	KR20D Cooling Fan High Speed Relay	-	R10 Cooling Fan Resistor
14	LOW BEAM HID	KR49 Headlamp Low Beam Relay (T4F)	-	E4G Headlamp - Left Low Beam, E4H Headlamp - Right Low Beam, F49UA, F50UA, K9 Body Control Module
15	RUN/CRANK	KR73 Ignition Main Relay	-	F5UA, F7UA, F13UA, F16UA, F17UA, F18UA, F19UA, F52UA, F53UA, F54UA
16	SEC AIR PUMP	KR25 Secondary Air Injection Pump Relay	-	G21 Secondary Air Injection Pump
17	REAR DEFOG	KR5 Rear Defogger Relay	-	F28UA, F60UA

Important: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block

18	-	KR113 Child Security Lock Disable Relay	-	A23LR Door Latch Assembly - Left Rear, A23RR Door Latch Assembly - Right Rear
19	-	-	-	Not Occupied
20	-	KR48 Headlamp High Beam Relay	-	F37UA, F38UA
21	-	KR3 Horn Relay	-	F51UA
22	-	KR46 Front Fog Lamp Relay	-	F48UA (T3U)

No.	Device Label Name	Device Assigned Name	Rating	Description
23	-	KR11 Windshield Washer Pump Relay	-	F56UA
24	-	KR26 Secondary Air Injection Solenoid Valve Relay	-	Q29A Secondary Air Injection Solenoid Valve (NU6)
25	-	-	-	Not Occupied
26	-	-	-	Not Occupied
Note: Items listed below are diagnostic testing points				
TP18	-	TP18	-	KR113 Child Security Lock Disable Relay
TP19	-	TP19	-	Not Occupied
TP24	-	TP24	-	KR26 Secondary Air Injection Solenoid Relay (NU6)
TP26	-	TP26	-	Not Occupied

X50A FUSE BLOCK - UNDERHOOD X1



The diagram shows a top-down view of the X50A Fuse Block with various terminals labeled with numbers: 1, 12, 13, 32, 37, 38, 41, 42, 45, 46, 50, 51, 70, 71, 82. A 3D perspective view of the fuse block is shown to the right with an arrow pointing to it.

Connector Part Information

- Harness Type: Forward Lamp
- OEM Connector: 13732286
- Service Connector: 13580740
- Description: 82-Way F 1.5, 2.8 DSQ, 800 Metri-Pack Series (BK)

Terminal Part Information

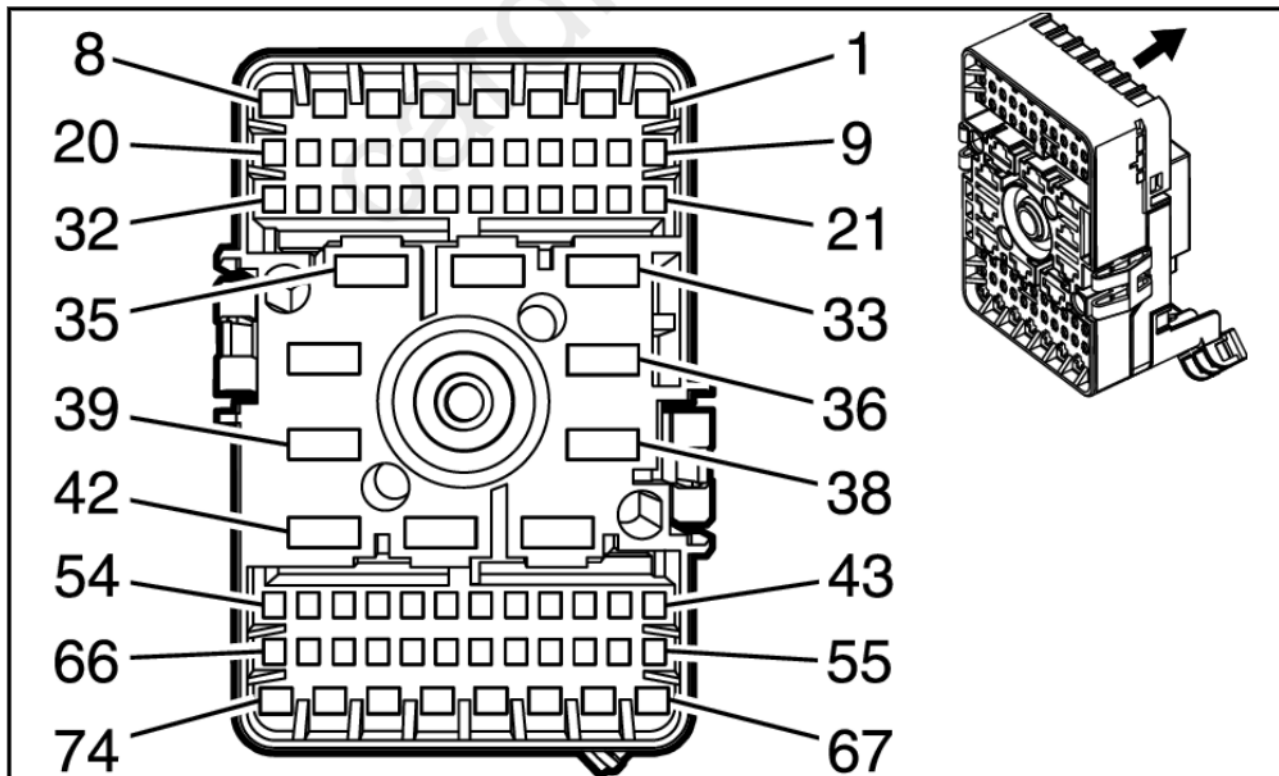
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575465	J-35616-44 (YE)	J-38125-558	12065915	Delphi 5	C	A
II	13575718	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
III	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
IV	13575718	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available
V	13575773	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575774	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	13575860	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 7	-	-	-	Not Occupied	-	-
8	0.75	YE	712	Left Headlamp Low Beam Control	VII	-
9 - 10	-	-	-	Not Occupied	-	-
11	0.75	BN/GY	29	Horn Control	IX	-
12	0.75	YE	312	Right Headlamp Low Beam Control	VII	-
13	0.5	WH	311	Right Headlamp High Beam Control	V	-
14	0.5	WH	711	Left Headlamp High Beam Control	V	-
15 - 19	-	-	-	Not Occupied	-	-
20	0.35	WH	2368	Cooling Fan Control Signal	V	-
21	0.5	WH	2368	Cooling Fan Control Signal	V	-
22 - 29	-	-	-	Not Occupied	-	-
30	0.5	GY/VT	228	Windshield Washer Pump Control	VI	-
31 - 36	-	-	-	Not Occupied	-	-
37	4	RD/WH	342	Battery Positive Voltage	III	-
	5	RD/WH	342	Battery Positive Voltage	II	-
	5	RD/WH	342	Battery Positive Voltage	III	LCV LFR/LFX
	4	RD/WH	342	Battery Positive Voltage	II	
38	1	RD/BU	1842	Battery Positive Voltage	I	-
39 - 40	-	-	-	Not Occupied	-	-
41	4	BK	1150	Ground	II	-
42	-	-	-	Not Occupied	-	-
43	4	RD/WH	342	Battery Positive Voltage	II	-
44	-	-	-	Not Occupied	-	-
45	4	GY	532	Cooling Fan Motor Control 2	II	-
46	4	GY	532	Cooling Fan Motor Control 2	II	-
47	5	WH/BU	409	Cooling Fan Motor Control 1	II	-
	6	WH/BU	409	Cooling Fan Motor Control 1	IV	-
	5	WH/BU	409	Cooling Fan Motor Control 1	III	LCV LFR/LFX
	6	WH/BU	409	Cooling Fan Motor Control 1	IV	
48 - 49	-	-	-	Not Occupied	-	-
50	6	YE	5358	Cooling Fan Motor Control 3	IV	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
51	-	-	-	Not Occupied	-	-
52	0.35	GN/VT	335	Low Speed Cooling Fan Relay Control	V	-
53	0.35	BN/RD	2700	A/C Pressure Sensor 5V Reference	IV	-
54	-	-	-	Not Occupied	-	-
55	0.35	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	IV	-
56	-	-	-	Not Occupied	-	-
57	0.35	GN	380	A/C Refrigerant Pressure Sensor Signal	IV	-
58 - 63	-	-	-	Not Occupied	-	-
64	0.35	GN/VT	335	Low Speed Cooling Fan Relay Control	V	-
	0.5	GN/VT	335	Low Speed Cooling Fan Relay Control	V	-
65 - 67	-	-	-	Not Occupied	-	-
68	0.35	WH	2368	Cooling Fan Control Signal	V	-
69	0.5	VT/WH	239	Run/Crank Ignition 1 Voltage	V	-
70	-	-	-	Not Occupied	-	-
71	0.75	BK	1150	Ground	VII	-
72	2	WH	92	Windshield Wiper Motor High Speed Control	VIII	-
73	2	YE/BN	95	Windshield Wiper Motor Low Speed Control	VIII	-
74	1	BK	1350	Ground	VII	-
75 - 82	-	-	-	Not Occupied	-	-

X50A FUSE BLOCK - UNDERHOOD X2



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

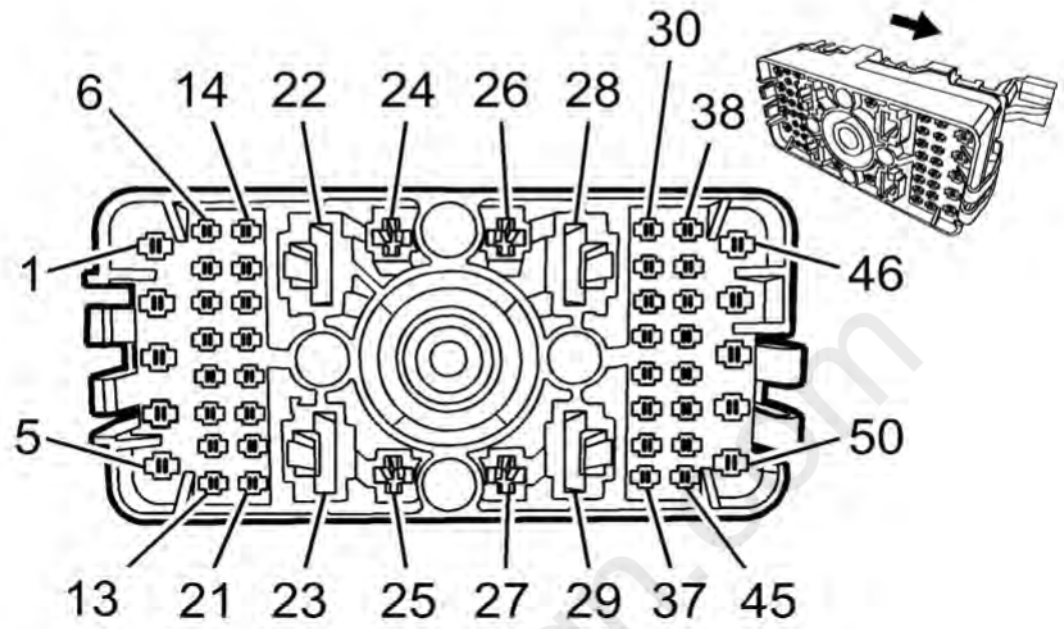
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13327116	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
II	13575718	J-35616-44 (YE)	J-38125-558	12092445	Delphi 18	G	G
III	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
IV	13575718	J-35616-44 (YE)	J-38125-558	Not Available	Not Available	Not Available	Not Available
V	13575773	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575774	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
VIII	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	13575860	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	E	2
X	13575860	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	E	C
XI	13575860	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XII	13578869	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1 - 3	-	-	-	Not Occupied	-	-
4	1.5	GY	295	Door Lock Actuator Lock Control	VIII	-
5	1.5	WH/BU	3266	Child Security Lock Motor Lock Control	VIII	-
6 - 8	-	-	-	Not Occupied	-	-
9	0.5	RD/WH	1040	Battery Positive Voltage	VI	-
10 - 11	-	-	-	Not Occupied	-	-
12	1.5	GY/GN	3271	Door Lock Control 2	XII	-
13	0.35	VT/YE	3267	Child Security Lock Relay Control	V	-
14	0.75	VT/BK	1239	Run/Crank Ignition 1 Voltage	VI	-
15	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	VI	-
16	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	VI	-
17	0.35	GN/VT	5199	Run/Crank Relay Coil Control	V	-
18 - 19	-	-	-	Not Occupied	-	-
20	0.5	RD/WH	1040	Battery Positive Voltage	VI	-
21	-	-	-	Not Occupied	-	-
22	0.35	GY	91	Windshield Wiper Motor Relay Coil Control	V	-
23	-	-	-	Not Occupied	-	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
24	0.35	BN/YE	1970	Headlamp Low Beam Relay Control	V	-
25	0.35	BN/WH	28	Horn Relay Control	V	-
26	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	VI	-
27	0.5	RD/BU	840	Battery Positive Voltage	VI	-
28	0.5	RD/VT	1940	Battery Positive Voltage	VI	-
29	0.5	VT/GY	539	Run/Crank Ignition 1 Voltage	VI	-
30	0.5	BU/YE	6795	Lift Glass/Rear Compartment Lid Motor Release Control 2	VI	-
31	0.5	VT/BK	339	Run/Crank Ignition 1 Voltage	VI	-
32	-	-	-	Not Occupied	-	-
33	2.5	RD/WH	1340	Battery Positive Voltage	IV	-
34	2.5	RD/GY	3540	Battery Positive Voltage	III	-
35	-	-	-	Not Occupied	-	-
36	2.5	RD/BU	1240	Battery Positive Voltage	IV	-
37 - 38	-	-	-	Not Occupied	-	-
39	2.5	BN/VT	293	Rear Defog Element Control	III	-
40	1.5	RD/BU	1542	Battery Positive Voltage	IV	-
41	4	RD/YE	442	Battery Positive Voltage	II	-
42	4	RD/VT	1640	Battery Positive Voltage	II	-
43	-	-	-	Not Occupied	-	-
44	0.5	RD/WH	640	Battery Positive Voltage	VI	-
45	0.35	WH/VT	860	Front Windshield Wiper Switch High Signal	V	-
46	-	-	-	Not Occupied	-	-
47	0.5	RD/WH	1040	Battery Positive Voltage	VI	-
48 - 55	-	-	-	Not Occupied	-	-
56	0.35	RD/GN	2440	Battery Positive Voltage	V	-
57	-	-	-	Not Occupied	-	-
58	0.35	BN/VT	1969	Headlamp High Beam Relay Control	V	-
59	0.35	GY/YE	6188	Lift Glass/Rear Compartment Lid Motor Release Control	V	-
60	0.5	BN/GY	2268	Windshield Washer Relay Control	VI	-
61	0.35	BN/VT	193	Rear Defog Relay Control	V	-
62	0.35	BN/YE	2267	Mirror Heating Element Control	V	-
63	0.35	RD/GN	1540	Battery Positive Voltage	V	-
	0.5	RD/GN	1540	Battery Positive Voltage	VI	-
	0.5	RD/GN	1540	Battery Positive Voltage	VI	CE1+ULG
	0.35	RD/GN	1540	Battery Positive Voltage	V	CE1-ULG
64	-	-	-	Not Occupied	-	-
65	0.5	RD/GN	5140	Battery Positive Voltage	VI	-
66	-	-	-	Not Occupied	-	-
67	0.75	RD/GY	1342	Battery Positive Voltage	XI	-
68	0.5	RD/WH	3440	Battery Positive Voltage	VII	-
69	0.75	RD/YE	1442	Battery Positive Voltage	XI	-
70	1.5	RD/GY	1042	Battery Positive Voltage	VIII	-
71	2.5	RD/YE	3740	Battery Positive Voltage	I	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
72	0.35	RD/YE	2340	Battery Positive Voltage	IX	-
	0.5	RD/YE	2340	Battery Positive Voltage	X	-
	0.5	RD/YE	2340	Battery Positive Voltage	X	KL9
	0.35	RD/YE	2340	Battery Positive Voltage	IX	-KL9
73	0.5	RD/GN	3140	Battery Positive Voltage	VII	-
74	2.5	RD/VT	2640	Battery Positive Voltage	I	-

X50A FUSE BLOCK - UNDERHOOD X3



The diagram shows a top-down view of the X50A Fuse Block with terminals numbered 1 through 50. A 3D perspective view of the fuse block is shown to the right, with an arrow indicating its orientation. The terminals are arranged in a symmetrical pattern around a central circular feature.

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	13575491	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
III	13575541	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IV	13575718	J-35616-44 (YE)	J-38125-558	12110127	Delphi 19	F	G
V	13575773	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VI	13575774	J-35616-14 (GN)	J-38125-560	Not Available	Not Available	Not Available	Not Available
VII	13575780	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available

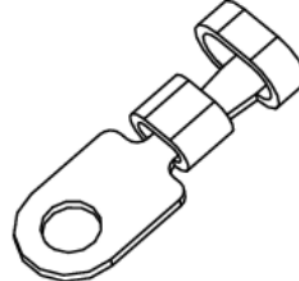
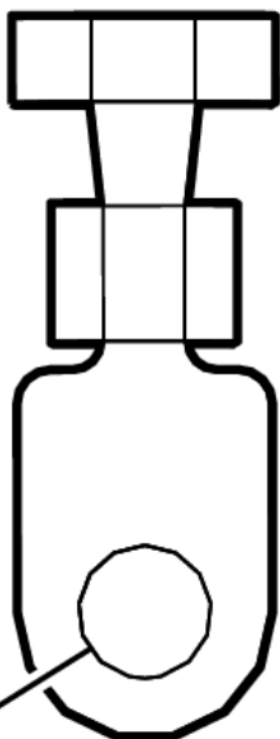
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
VIII	13575781	J-35616-35 (VT)	J-38125-36	Not Available	Not Available	Not Available	Not Available
IX	13575860	J-35616-4A (PU)	J-38125-36	964280-2	Yazaki 15	E	C
X	13575860	J-35616-4A (PU)	J-38125-36	Not Available	Not Available	Not Available	Not Available
XI	13579931	J-35616-14 (GN)	J-38125-560	964274-2	Lear 16	E	1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	2.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1	I VIII II	-
	2.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1		-
	2.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1		-
				Powertrain Main Relay Fused Supply 1		-
2	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2	VII X	-
	0.75	VT/BU	5291	Powertrain Main Relay Fused Supply 2		-
3	0.75	VT/BU	5292	Powertrain Main Relay Fused Supply 3	VII	-
4	0.5	VT/BK	2139	Run/Crank Ignition 1 Voltage	III	-
5	2.5	YE	6	Starter Solenoid Crank Ignition Voltage	I II	-
	2.5	YE	6	Starter Solenoid Crank Ignition Voltage		-
6	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	V VI	-
	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4		-
7	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5	VI V	-
	0.5	VT/BU	5294	Powertrain Main Relay Fused Supply 5		-
8 - 9	-	-	-	Not Occupied	-	-
10	0.5	GY	5127	After Boil Heater Relay Control	V	-
11	0.5	YE/BK	625	Starter Enable Relay Control	VI VI	-
	0.5	YE/VT	4325	Starter Pinion Solenoid Relay Control		LCV
12 - 14	-	-	-	Not Occupied	-	-
15	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	V	-
16	0.5	YE/BU	5126	After Boil Heater Pump Control	V	-
17	0.5	YE	5991	Powertrain Relay Coil Control	VI	-
	0.5	YE	5991	Powertrain Relay Coil Control	V	-
	0.5	YE	5991	Powertrain Relay Coil Control	XI	-
18	0.5	GN/VT	335	Low Speed Cooling Fan Relay Control	V	-
19	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	VI	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
20	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	V	-
	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	XI	-
	0.5	VT/GN	439	Run/Crank Ignition 1 Voltage	VI	LCV
	0.5	VT/GY	6386	Starter Enable Relay (PPEI 3) Control	VI	-LCV
21	0.5	BK	2650	Ground	V	-
	0.75	BK	2650	Ground	VI	KL9
	0.5	BK	2650	Ground	VI	-KL9
22	-	-	-	Not Occupied	-	-
23	2.5	YE/GN	4358	Starter Pinion Solenoid Voltage	IV	-
24 - 25	-	-	-	Not Occupied	-	-
26	1	YE	6	Starter Solenoid Crank Ignition Voltage	X	-
27	0.5	RD/BN	440	Battery Positive Voltage	VII	-
28 - 31	-	-	-	Not Occupied	-	-
32	0.35	GN	380	A/C Refrigerant Pressure Sensor Signal	VII	-
33	-	-	-	Not Occupied	-	-
34	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	VI	-
	0.5	WH/GY	459	A/C Compressor Clutch Relay Control	V	-
35	0.5	RD/BN	440	Battery Positive Voltage	VI	-
36	-	-	-	Not Occupied	-	-
37	0.75	RD/GN	1840	Battery Positive Voltage	VI	-
38	0.35	BN/RD	2700	A/C Pressure Sensor 5V Reference	VII	-
39	0.35	BK/BN	5514	A/C Refrigerant Pressure Sensor Low Reference	VII	-
40 - 45	-	-	-	Not Occupied	-	-
46	0.5	BN/YE	473	High Speed Cooling Fan Relay Control	IX	-
47 - 49	-	-	-	Not Occupied	-	-
50	0.5	BN/GN	59	A/C Compressor Clutch Control	VII	-

X50A FUSE BLOCK - UNDERHOOD X4





A

Connector Part Information

- Harness Type: Positive Battery 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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD	1	Unfused Battery Positive Voltage	I	-

X50A FUSE BLOCK - UNDERHOOD X5

Connector Part Information

- Harness Type: Fuse Block - Underhood
- OEM Connector: Not Available
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

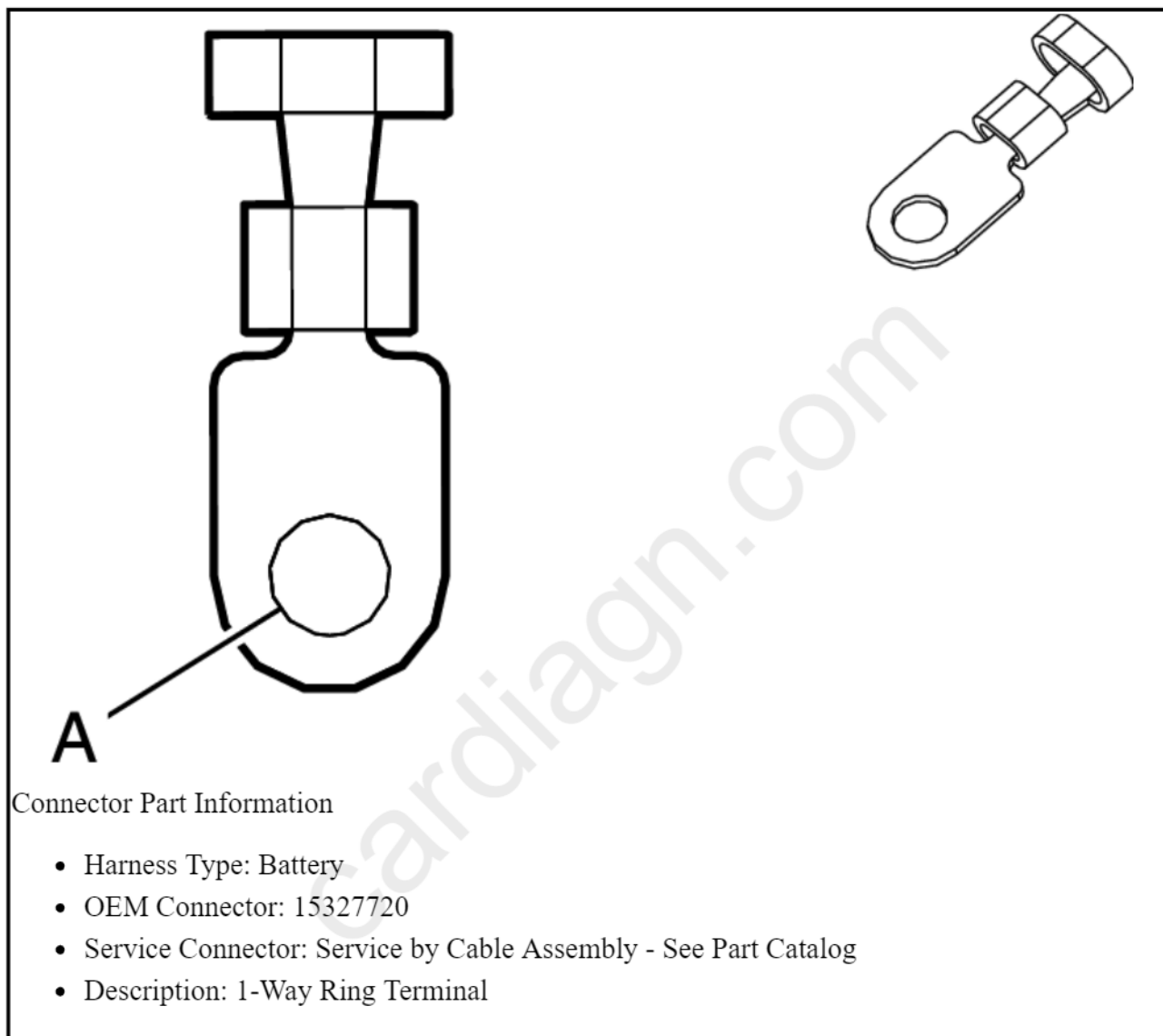
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	16	RD	2	Battery Positive Voltage	I	-

X50A FUSE BLOCK - UNDERHOOD X6



Terminal 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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	35	RD	4042	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY TOP VIEW KL9

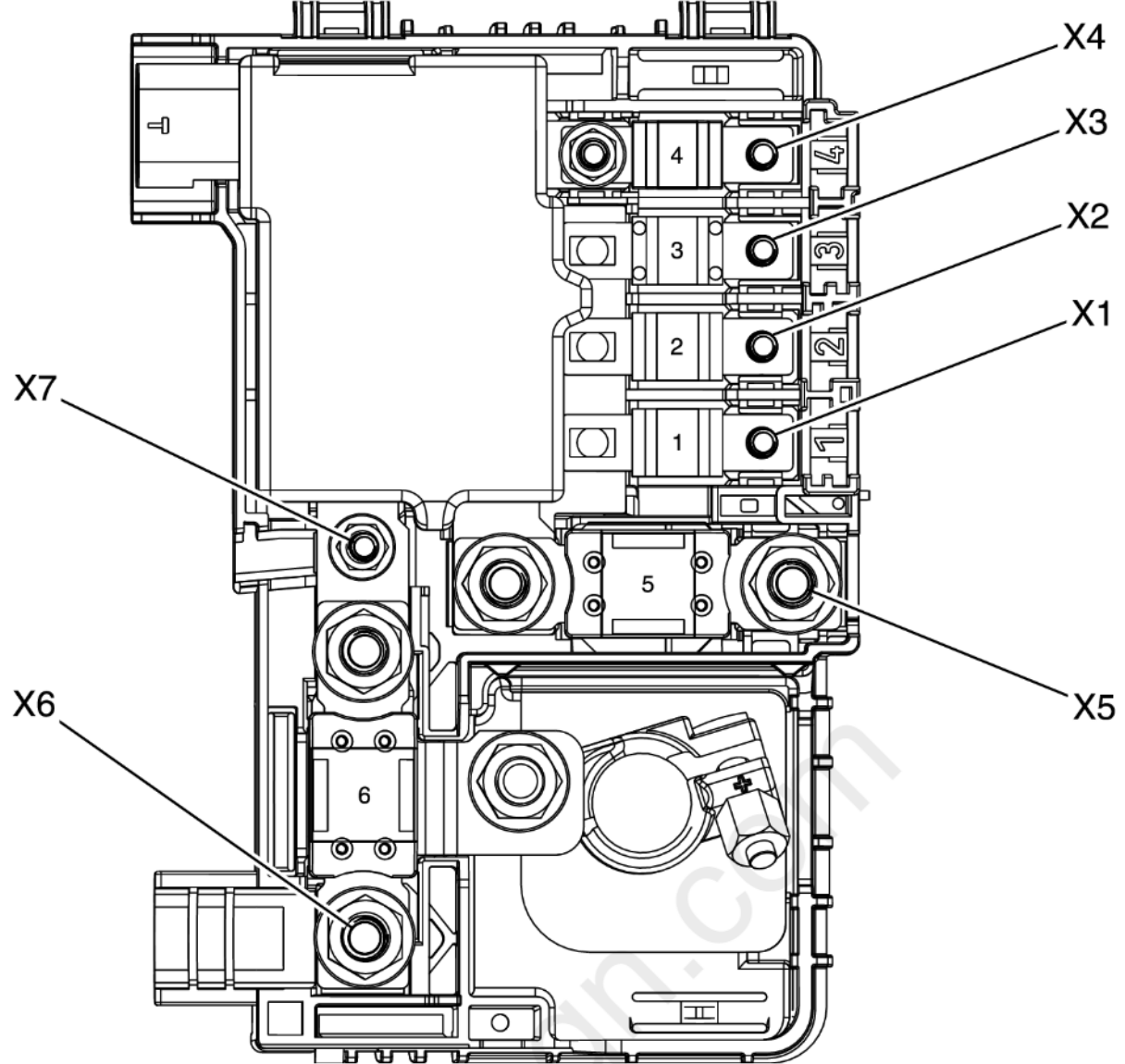


Fig. 6: X50D Fuse Block - Battery Top View (KL9)
 Courtesy of GENERAL MOTORS COMPANY

X50D FUSE BLOCK - BATTERY FUSE IDENTIFICATION (KL9)

No.	Device Label Name	Device Assigned Name	Rating	Description
1	-	F1UB Fuse	60A	X51A Fuse Block - Instrument Panel
2	-	F2UB Fuse	60A	X51A Fuse Block - Instrument Panel
3	-	F3UB Fuse	80A	K43 Power Steering Control Module
4	-	F4UB Fuse	175A	C1B Battery - Auxiliary
5	-	F5UB Fuse	200A	X50A Fuse Block - Underhood
6	-	F6UB Fuse	500A	G13 Generator, M64 Starter Motor

X50D FUSE BLOCK - BATTERY TOP VIEW

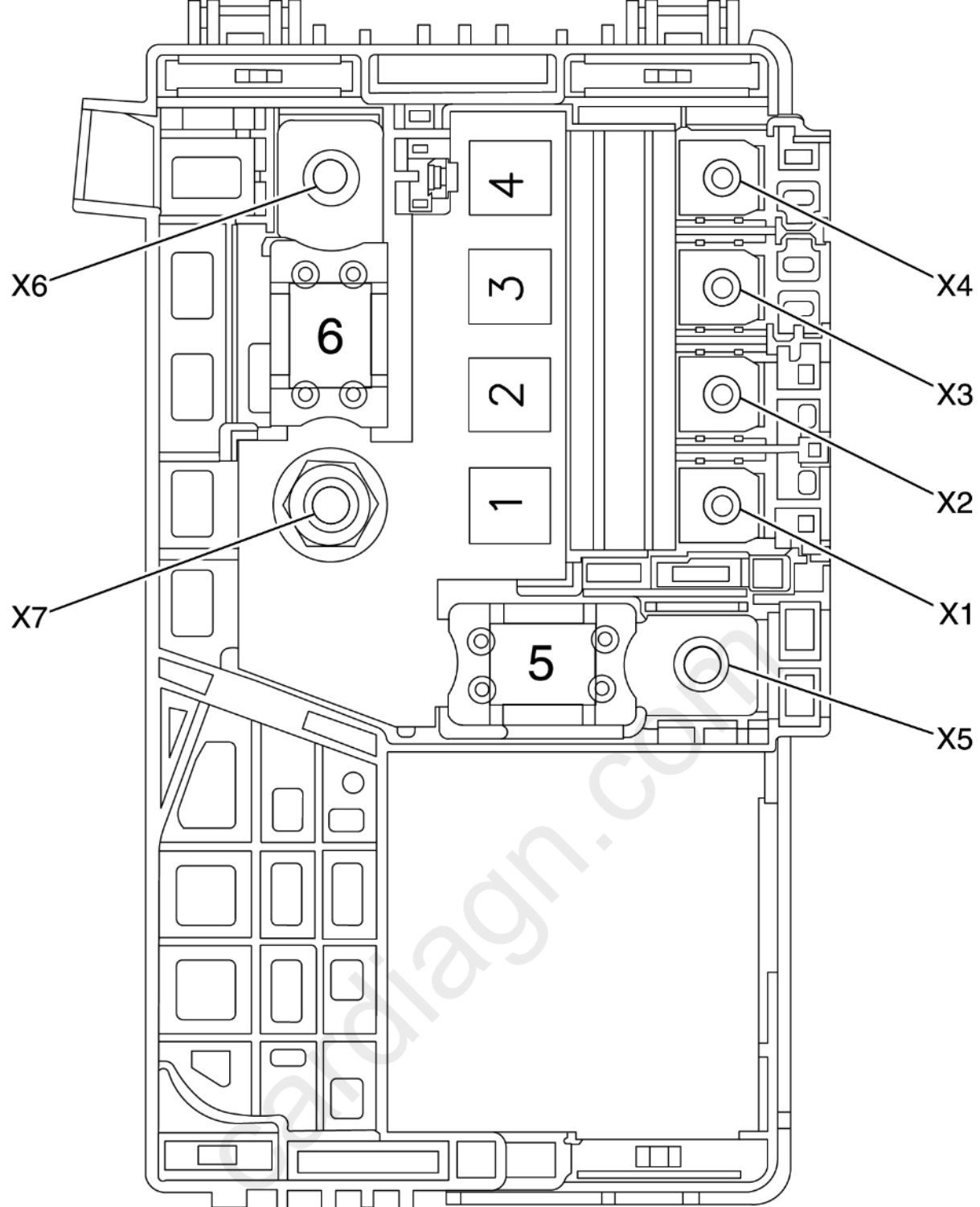


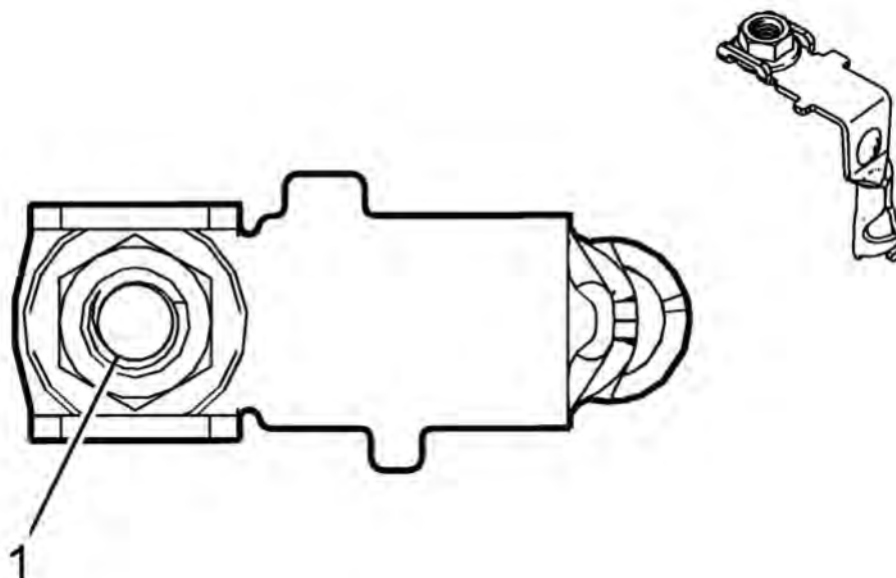
Fig. 7: X50D Fuse Block - Battery Top View
 Courtesy of GENERAL MOTORS COMPANY

X50D FUSE BLOCK - BATTERY FUSE IDENTIFICATION

No.	Device Label Name	Device Assigned Name	Rating	Description
1	-	F1UB Fuse	60A	X51A Fuse Block - Instrument Panel
2	-	F2UB Fuse	60A	X51A Fuse Block - Instrument Panel
3	-	F3UB Fuse	100A	K43 Power Steering Control Module (NJ2)
4	-	F4UB Fuse	80A	K43 Power Steering Control Module (NJ1)
5	-	F5UB Fuse	250A	X50A Fuse Block - Underhood
6	-	F6UB Fuse	300A	G13 Generator, M64 Starter Motor

X50D FUSE BLOCK - BATTERY X1

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Connector Part Information

- Harness Type: Body
- OEM Connector: 13869257
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

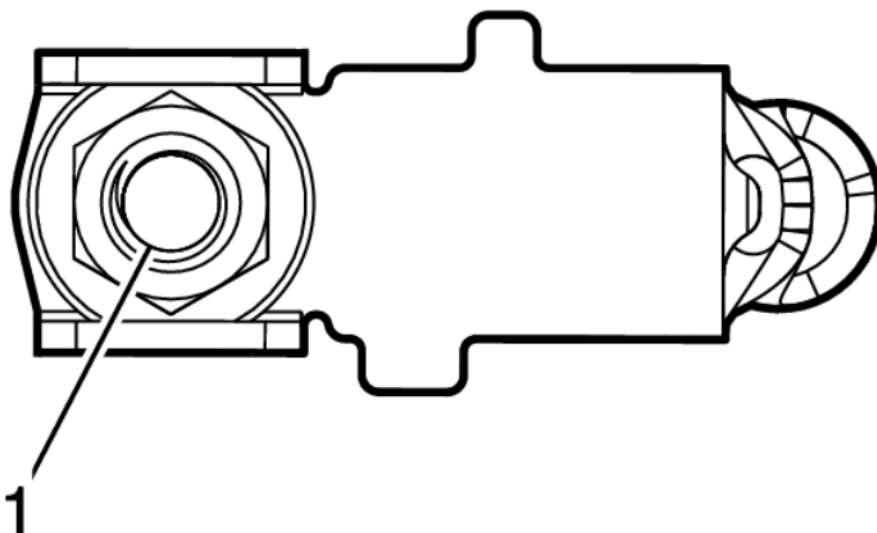
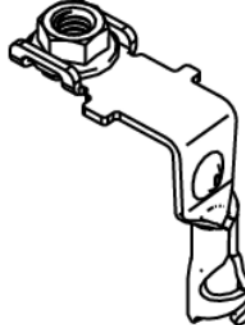
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/BU	42	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X2





1

Connector Part Information

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

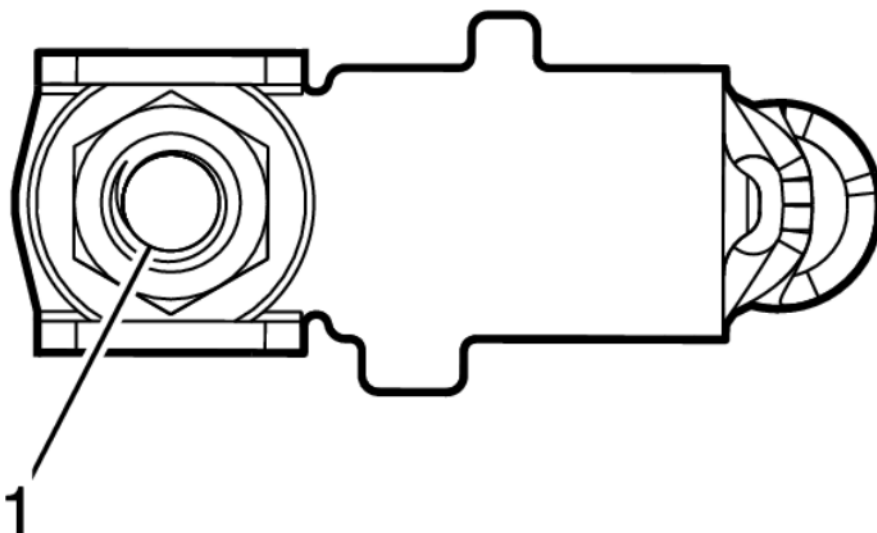
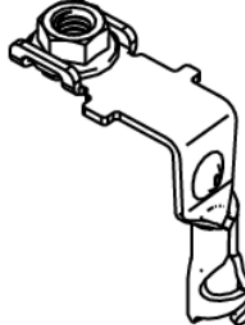
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/WH	1642	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X2





1

Connector Part Information

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

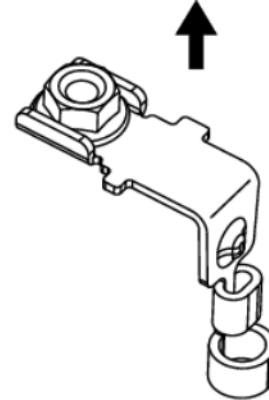
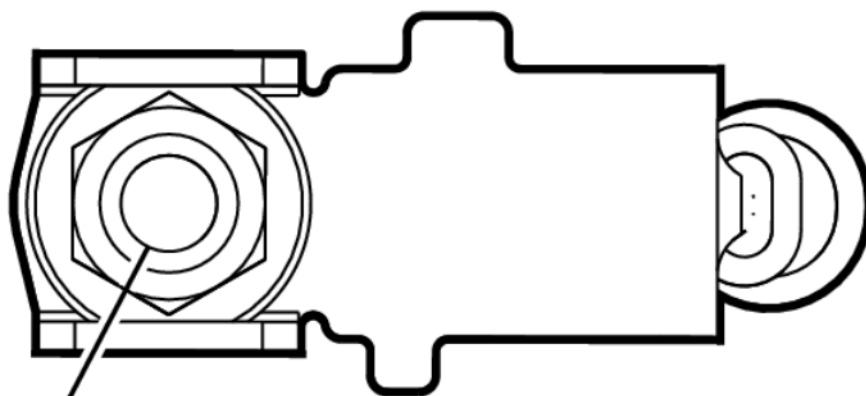
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/WH	1642	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X3 (NJ2)





1

Connector Part Information

- Harness Type: Power Steering
- OEM Connector: 13605714
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

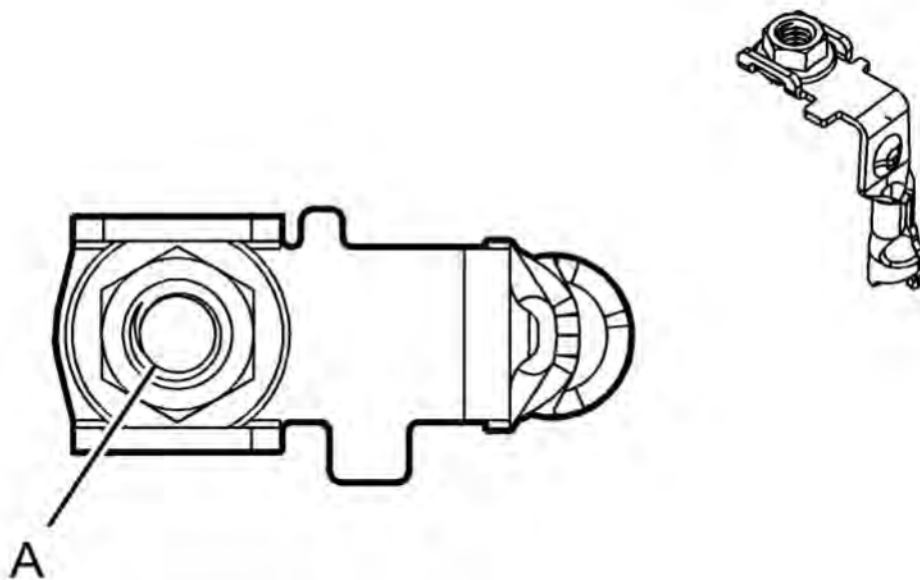
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	10	RD/YE	1142	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X4 (KL9)





Connector Part Information

- Harness Type: Body
- OEM Connector: 33172355
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

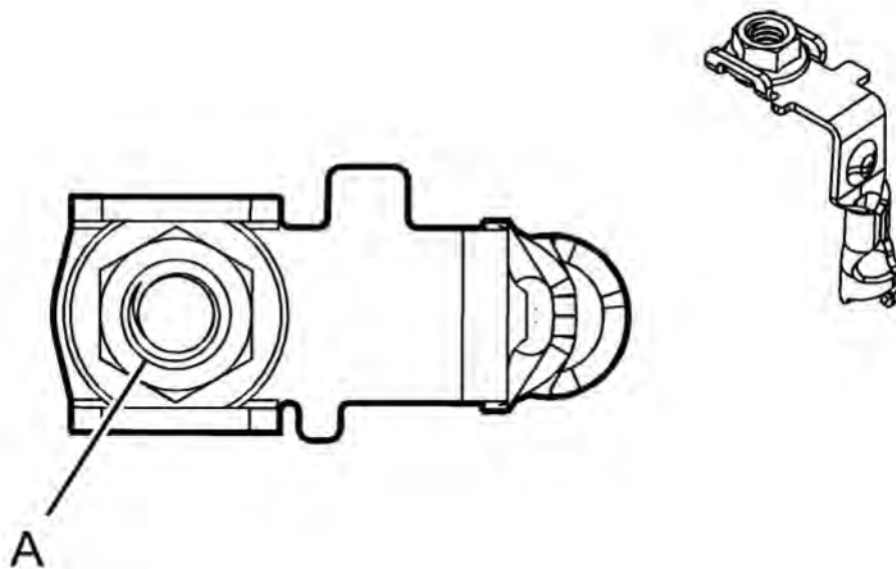
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	25	RD/GN	1202	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X4 (NJ1)





Connector Part Information

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

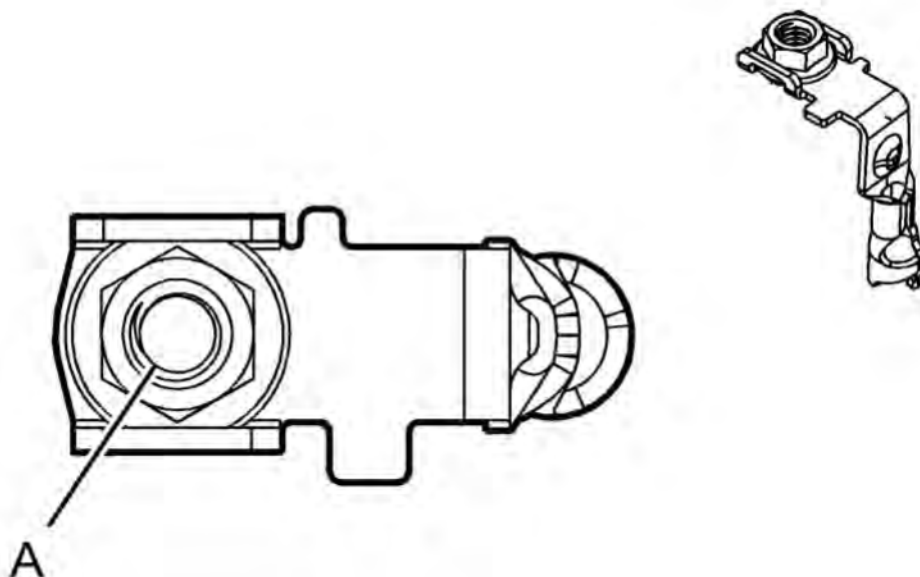
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/YE	1142	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X4 (NJ2)





Connector Part Information

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

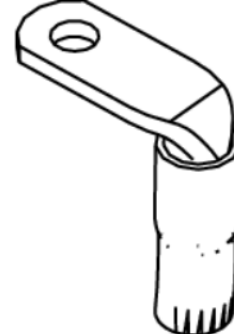
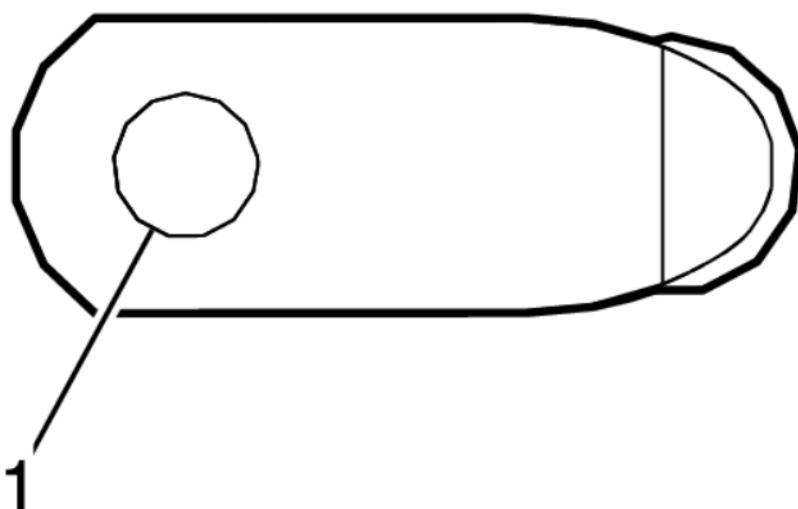
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	10	RD/YE	1142	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X5





Connector Part Information

- Harness Type: Fuse Block - Underhood
- OEM Connector: 13644223
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

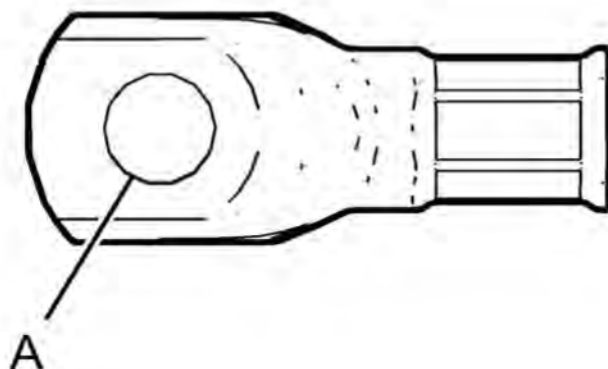
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD	4042	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X6





Connector Part Information

- Harness Type: Starter and Ground
- OEM Connector: 13787854
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

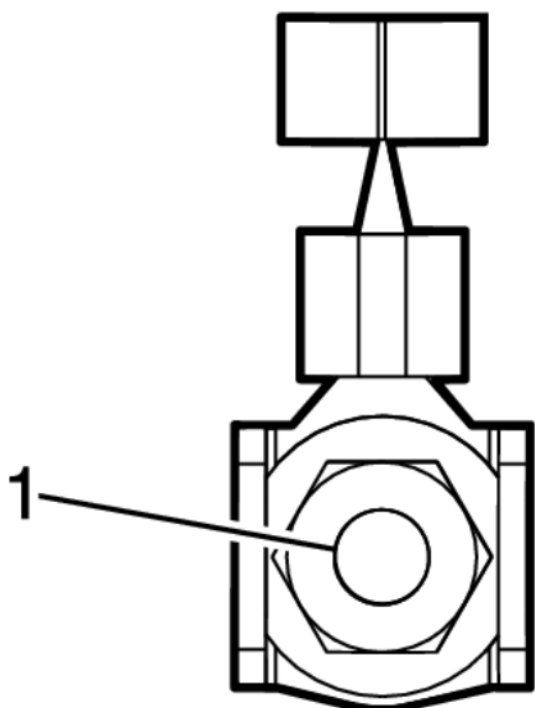
Terminal Part Information

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

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

X50D FUSE BLOCK - BATTERY X7





Connector Part Information

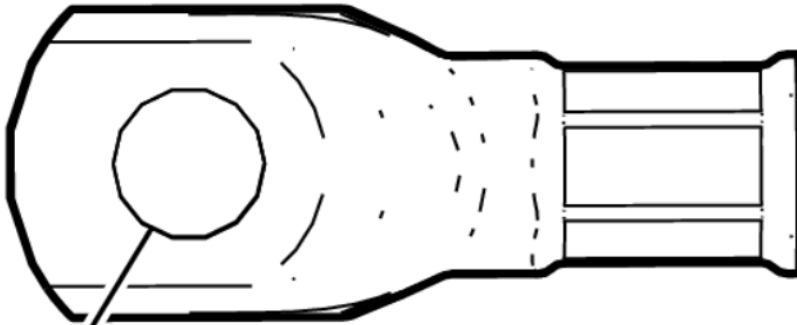
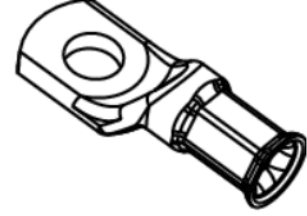
- Harness Type: Body
- OEM Connector: 15504536
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

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

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

X50D FUSE BLOCK - BATTERY X7



1

Connector Part Information

- Harness Type: Fuse Block - Battery
- OEM Connector: 10730988
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: Ring Terminal

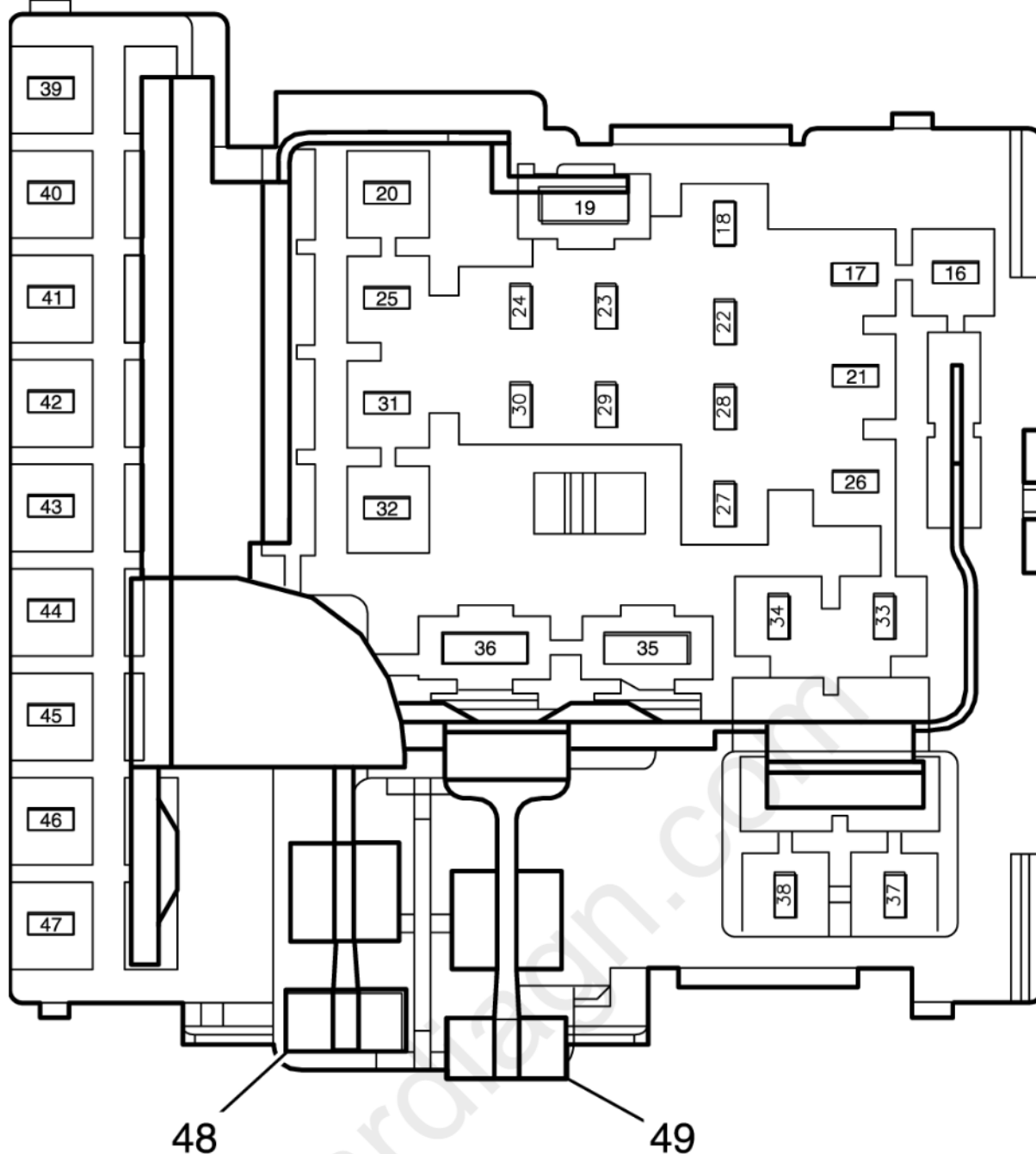
Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	35	RD	1	Battery Positive Voltage	I	-

X51A FUSE BLOCK - INSTRUMENT PANEL (FUSES)





Connector Part Information

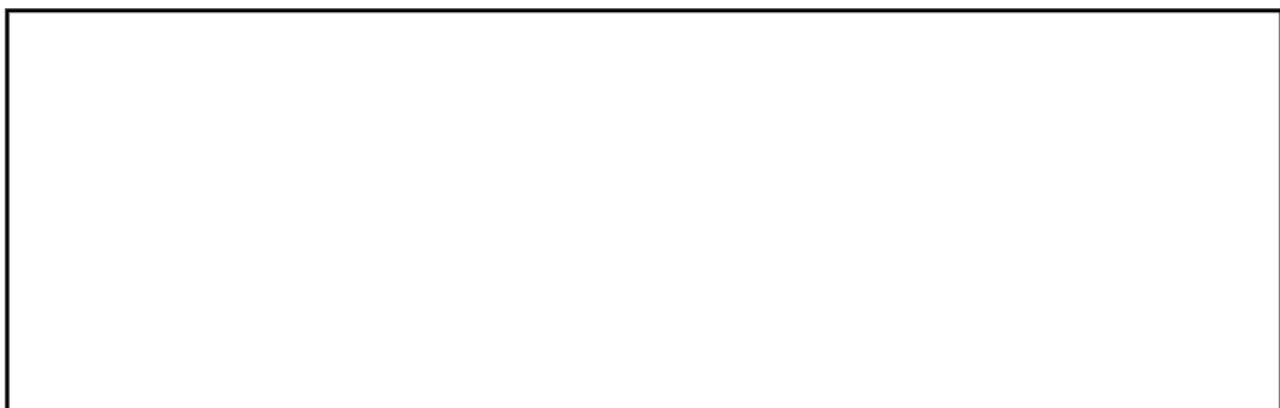
- Harness Type: Instrument Panel
- OEM Connector: 13864936
- Service Connector: Service by Component Assembly - See Part Catalog
- Description: Wire Entry Fuse Block

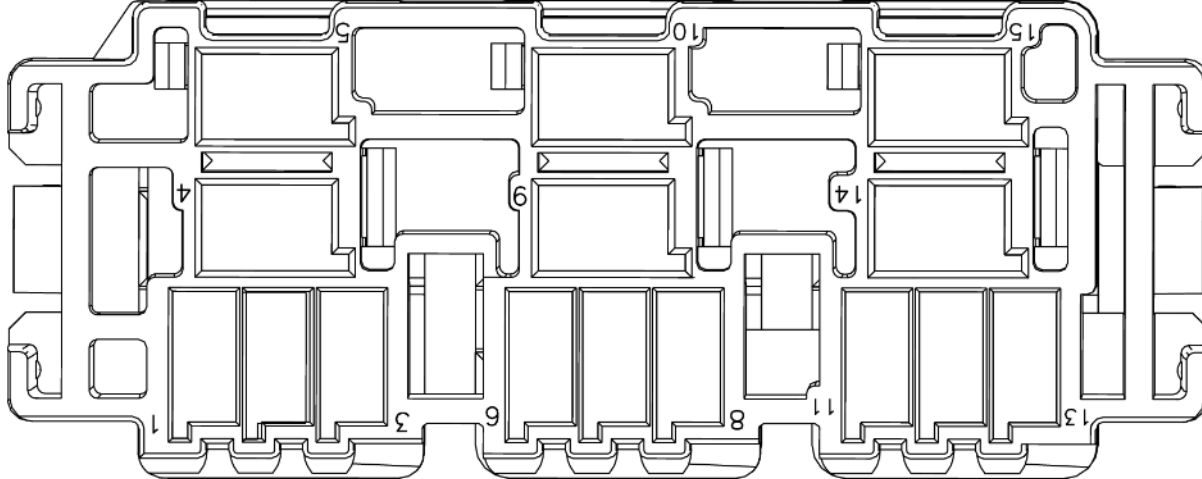
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13327178	J-35616-43 (RD)	J-38125-11A	Not Required	Not Required	Not Required	Not Required
II	13575770	J-35616-43 (RD)	J-38125-11A	Not Required	Not Required	Not Required	Not Required
III	13575780	J-35616-35 (VT)	J-38125-36	Not Required	Not Required	Not Required	Not Required
IV	13575781	J-35616-35 (VT)	J-38125-36	Not Required	Not Required	Not Required	Not Required
V	13575860	J-35616-4A (PU)	J-38125-36	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
16	0.5	VT	4601	Retained Accessory Power Fused Control	II	-
17	1	VT	1301	Retained Accessory Power Fuse Control	V	-
18	1.5	RD/VT	842	Battery Positive Voltage	IV	-
20	0.35	RD/GN	40	Battery Positive Voltage	V	-
21	0.5	RD/GN	3840	Battery Positive Voltage	II	-
22	0.75	RD/VT	340	Battery Positive Voltage	III	-
23	1.5	VT	1701	Retained Accessory Power Ignition	V	-
24	1.5	VT	1701	Retained Accessory Power Ignition	V	-
25	0.35	RD/WH	4440	Battery Positive Voltage	V	-
	0.35	RD/GN	4440	Battery Positive Voltage	V	-
26	0.5	RD	2940	Battery Positive Voltage	II	-
27	1.5	RD/BU	3240	Battery Positive Voltage	V	-
28	1.5	RD/VT	842	Battery Positive Voltage	IV	-
29	1	VT/BN	1301	Retained Accessory Power Fuse Control	V	-
	1	VT	1301	Retained Accessory Power Fuse Control	V	-
30	1.5	VT	2601	Retained Accessory Power Fuse Control	V	-
31	0.75	RD/YE	1442	Battery Positive Voltage	V	-
32	0.35	RD/VT	3340	Battery Positive Voltage	V	-
	0.5	RD/VT	3340	Battery Positive Voltage	II	-
33	0.5	RD/WH	2740	Battery Positive Voltage	II	-
34	0.5	RD/BK	2540	Battery Positive Voltage	II	-
35	1.5	RD/VT	4040	Battery Positive Voltage	I	-
36	4	RD/VT	542	Battery Positive Voltage	II	-
37	1.5	RD/BN	1440	Battery Positive Voltage	V	-
38	1.5	RD/YE	5040	Battery Positive Voltage	IV	-
39	1.5	RD/VT	842	Battery Positive Voltage	V	-
40	0.75	RD/GY	1342	Battery Positive Voltage	V	-
41	0.5	RD/WH	2040	Battery Positive Voltage	II	-
42	0.5	RD/BU	4540	Battery Positive Voltage	II	-
43	0.35	RD/WH	5440	Battery Positive Voltage	V	-
44	0.5	RD/GN	2140	Battery Positive Voltage	II	-
45	0.5	RD/YE	2240	Battery Positive Voltage	II	-
46	1	RD/BN	3640	Battery Positive Voltage	V	-
47	2.5	RD/VT	4640	Battery Positive Voltage	IV	-

X51A FUSE BLOCK - INSTRUMENT PANEL (RELAYS)





Connector Part Information

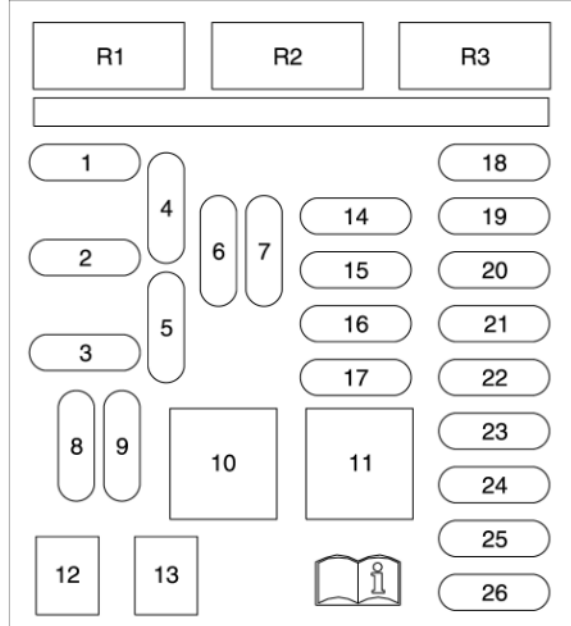
- Harness Type: Instrument Panel
- OEM Connector: 13864937
- Service Connector: Service by Component Assembly - See Part Catalog
- Description: Wire Entry Fuse Block

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575523	J-35616-42 (RD)	J-38125-11A	Not Required	Not Required	Not Required	Not Required
II	13575771	J-35616-42 (RD)	J-38125-11A	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
6	0.35	VT/BU	3263	Logistic Mode Relay Open Control	I	-
7	0.5	BK	1650	Ground	II	-
8	0.35	GY/VT	3264	Logistic Mode Relay Close Control	I	-
9	1.5	RD/VT	842	Battery Positive Voltage	II	-
10	1.5	RD/VT	842	Battery Positive Voltage	II	-
11	0.35	GY/GN	4083	RAP Relay 2 Coil Control	I	-
13	0.5	BK	1550	Ground	II	-
14	1.5	RD/BU	1542	Battery Positive Voltage	II	-
15	1.5	VT	1701	Retained Accessory Power Ignition	II	-

X51A FUSE BLOCK - INSTRUMENT PANEL LABEL



- | | | |
|--------------------|--------------------|-------------------|
| 1- 5A-WCM | 11-40A-FRT/HVAC | 21-10A-TELEMATICS |
| 2- 10A-BCM 7 | 12-25A PASS/SEAT | 22-2A-SWC |
| 3- 15A-BCM 5 | 13-25A-DRVR/SEAT | 23-15A-BCM 3 |
| 4- 20A-RDO | 14-7.5A-DLC | 24-15A-BCM 2 |
| 5- 15A-DISPLAY | 15- 10A-AIRBAG | 25-15A-TILT/TELE |
| 6- 20A-PWR/OUTLET1 | 16-15A-RR HTD/SEAT | 26-30A-ACDCINV |
| 7- 20A-PWR/OUTLET2 | 17-10A-HVAC/CNTRL | R1- |
| 8- 15A-BCM 1 | 18-30A-LOGIC/MODE | R2-LOGISTICS |
| 9- 15A-BCM 4 | 19-15A-LR HTD/SEAT | R3-RAP/ACCY |
| 10-30A-BCM 8 | 20-2A-DLIS | |

Fig. 8: X51A Fuse Block - Instrument Panel Label
Courtesy of GENERAL MOTORS COMPANY

X51A FUSE BLOCK - INSTRUMENT PANEL TOP VIEW FUSES

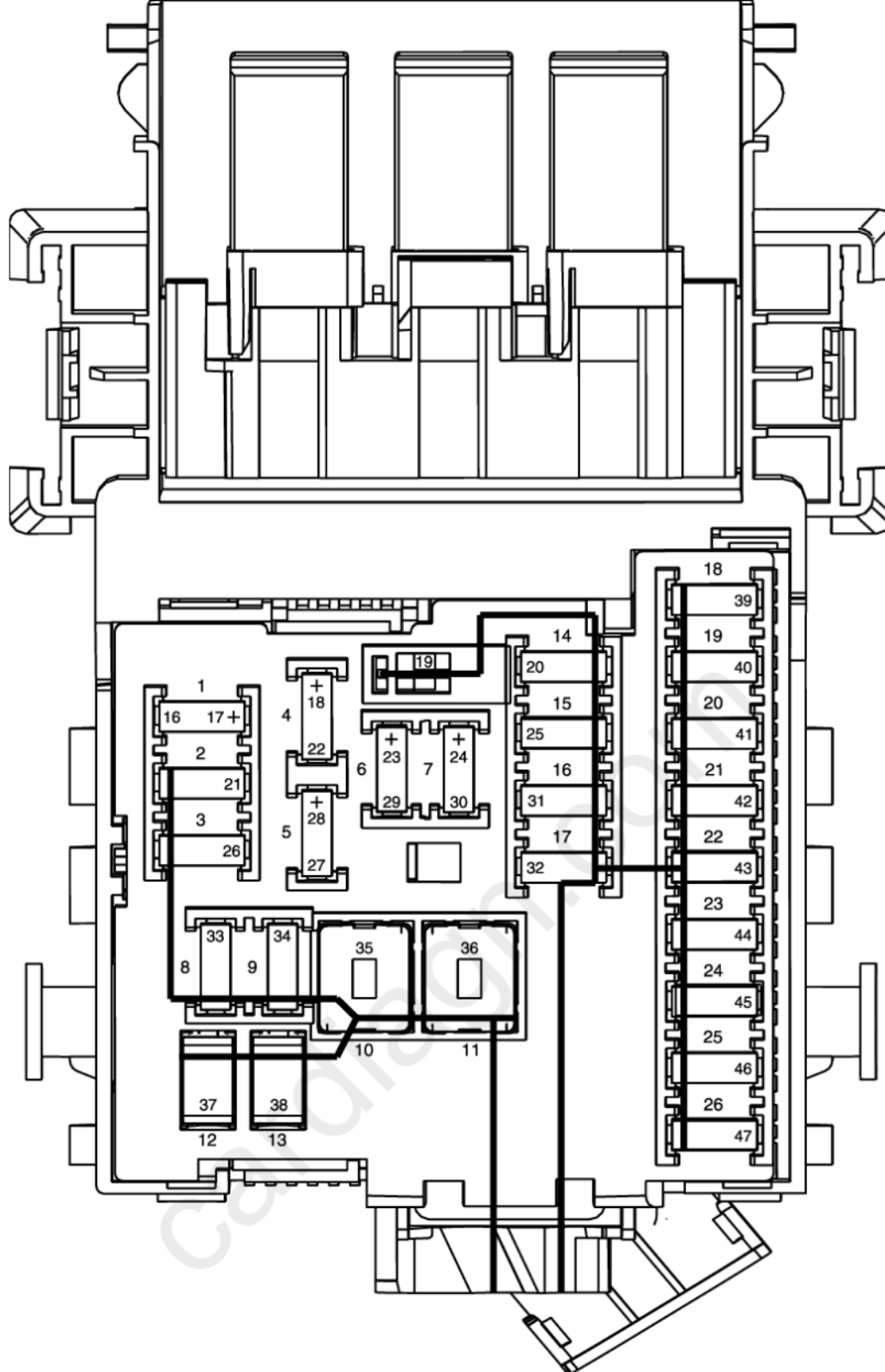


Fig. 9: X51A Fuse Block - Instrument Panel Top View Fuses

Courtesy of GENERAL MOTORS COMPANY

X51A FUSE BLOCK - INSTRUMENT PANEL FUSE IDENTIFICATION LEGEND

No.	Device Label Name	Device Assigned Name	Rating	Description
1	WCM	F1DA Fuse	5A	BGE Mini Fuse
2	ONSTAR	F2DA Fuse	10A	ONStar Handsfree
3	BCM 5	F3DA Fuse	15A	K9 Body Control Module
4	RDO	F4DA Fuse	20A	A11 Radio, A33 Media Disc Player, K74 Human Machine Interface Control Module (IO5 or IO6), X83 Auxiliary Audio Input
5	DISPLAY	F5DA Fuse	15A	A26 HVAC Controls, P16 Instrument Cluster, P17 Info Display Module

No.	Device Label Name	Device Assigned Name	Rating	Description
6	PWR/OUTLET1	F6DA Fuse	20A	X80G Accessory Power Receptacle - Instrument Panel
7	PWR/OUTLET2	F7DA Fuse	20A	X80D Accessory Power Receptacle - Center Console Compartment, X80H Accessory Power Receptacle - Center Console
8	BCM 3	F8DA Fuse	15A	K9 Body Control Module
9	BCM 4	F9DA Fuse	15A	K9 Body Control Module
10	BCM 8	F10DA Fuse	30A	K9 Body Control Module
11	FRT/HVAC	F11DA Fuse	40A	M8 Blower Motor
12	PASS/SEAT	F12DA Circuit Breaker	25A	S64P Seat Adjuster Switch - Passenger, S65P Seat Lumbar Support Switch - Passenger (A6C with APH)
13	DRVR/SEAT	F13DA Circuit Breaker	25A	K40 Seat Memory Control Module (A45), S64D Seat Adjuster Switch - Driver (without A45)
14	DLC	F14DA Fuse	7.5A	X84 Data Link Connector
15	AIRBAG	F15DA Fuse	10A	K36 Inflatable Restraint Sensing and Diagnostic Module, K85 Passenger Presence Module
16	Rear Htd/Seat	F16DA Fuse	15A	K26R Seat Heating Control Module - Rear
17	HVAC/CNTRL	F17DA Fuse	10A	K33 HVAC Control Module
18	LOGIC/MODE	F18DA Fuse	30A	F1DA (without CU7, CU8, CW2 or CV4), F4DA (without CU7, CU8, CW2 or CV4), F5DA (without CU7, CU8, CW2 or CV4), KR104A Battery Saver Relay 1 (CU7, CU8, CW2 or CV4)
19	Rear Htd/Seat	F19DA Fuse	15A	K26R Seat Heating Control Module - Rear
20	DLIS	F20DA Fuse	2A	S39 Ignition Switch (without BTM)
21	TELEMATICS	F21DA Fuse	10A	K73 Telematics Communication Interface Module (UE1)
22	SWC	F22DA Fuse	2A	S70R Steering Wheel Controls Switch - Right
23	BCM 1	F23DA Fuse	15A	K9 Body Control Module
24	BCM 2	F24DA Fuse	15A	K9 Body Control Module
25	TILT/TELE	F25DA Fuse	15A	K99 Steering Column Position Control Module (N38)
26	ACDCINV	F26DA Fuse	30A	T1 Accessory DC/AC Power Inverter Module (KI6 or KI7)

X51A FUSE BLOCK - INSTRUMENT PANEL TOP VIEW RELAYS

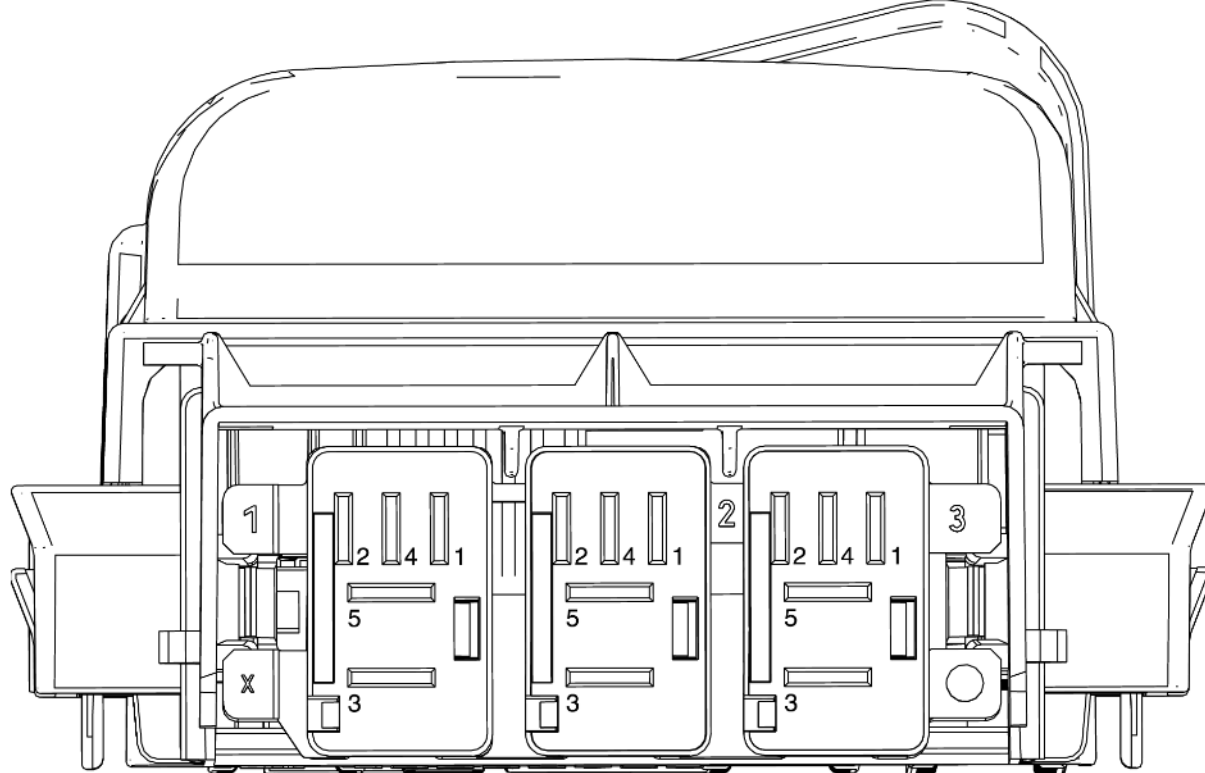


Fig. 10: X51A Fuse Block - Instrument Panel Top View Relays

Courtesy of GENERAL MOTORS COMPANY

X51A FUSE BLOCK - INSTRUMENT PANEL RELAY IDENTIFICATION

No.	Device Label Name	Device Assigned Name	Rating	Description
1	-	-	-	Not Used
2	-	-	-	Not Used
3	RAP/ACCY	KR76 Retained Accessory Power Relay	-	F6DA, F7DA

X51A FUSE BLOCK - INSTRUMENT PANEL X1

Connector Part Information
• Harness Type: Instrument Panel • OEM Connector: 13595181 • 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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/BU	42	Battery Positive Voltage	I	-

X51A FUSE BLOCK - INSTRUMENT PANEL X2

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Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 13595182
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	6	RD/WH	1642	Battery Positive Voltage	I	-

X55AG FUSE HOLDER - BATTERY SENSOR**Connector Part Information**

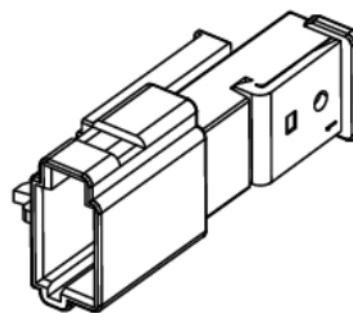
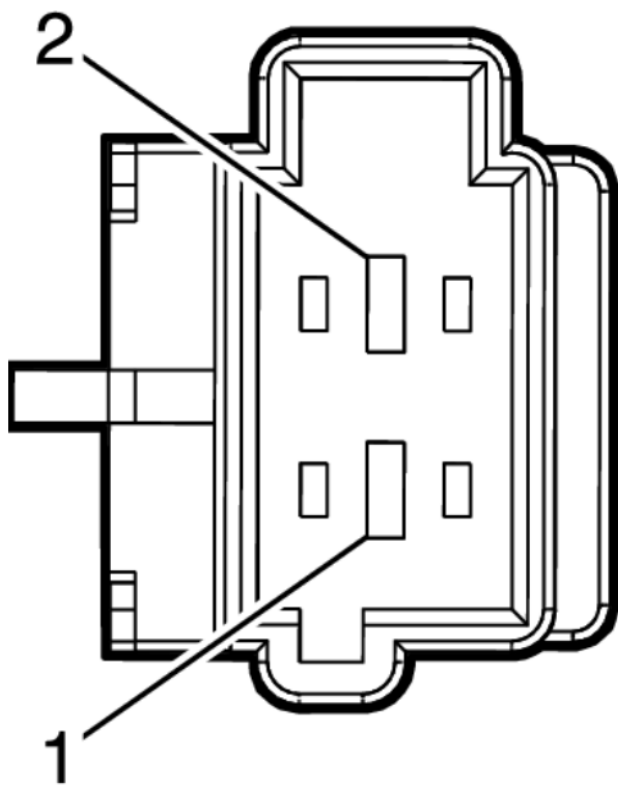
- Harness Type: Body
- OEM Connector: 13788151
- Service Connector: Service by Component Assembly - See Part Catalog
- Description: 2-Way F Fuse Holder (NA)

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	1	OG	1	Unfused Battery Positive Voltage	I	-
B	1	OG	40	Battery Positive Voltage	I	-
X	1	OG	1	Unfused Battery Positive Voltage	I	-
Y	1	OG	40	Battery Positive Voltage	I	-

X55K FUSE HOLDER - STEERING COLUMN



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 13662506
- Service Connector: 13574780
- Description: 2-Way M 1.6 Timer Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Not Required	J-35616-34 (YE)	Not Required	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	I	-
2	0.5	BK	1550	Ground	I	-