

2010 ELECTRICAL

Wiring Systems and Power Management - Component Locator - Equinox & Terrain

ELECTRICAL CENTER IDENTIFICATION VIEWS

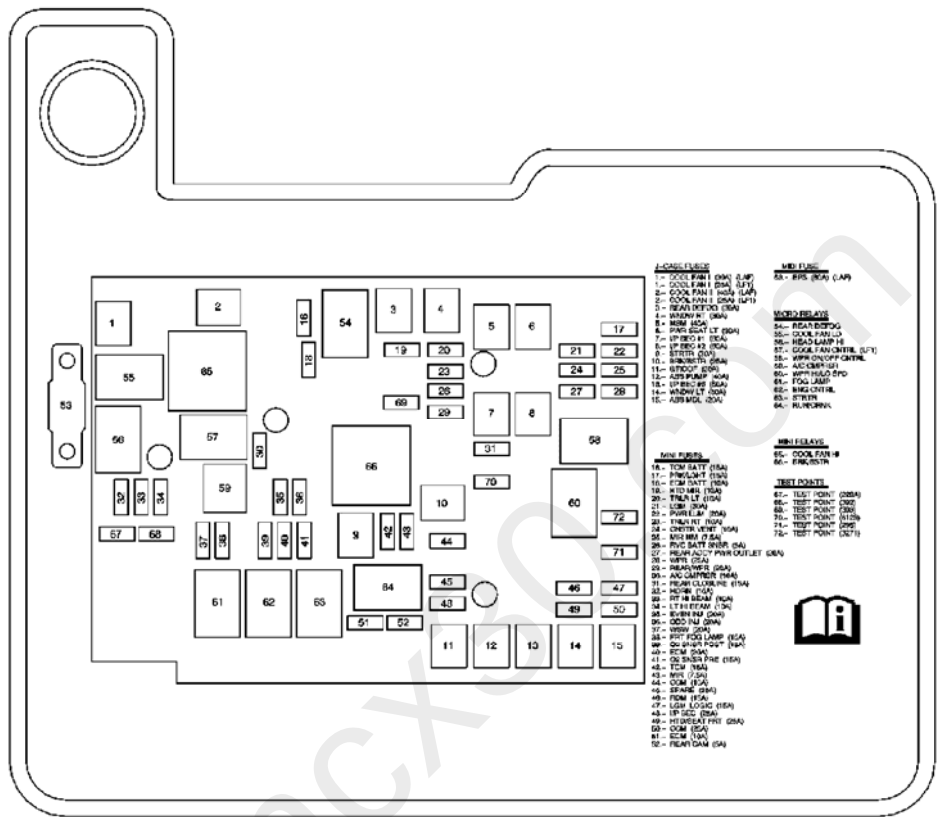


Fig. 1: X50A Fuse Block - Underhood, Label
Courtesy of GENERAL MOTORS CORP.

X50A Fuse Block - Underhood, Label Usage

No.	Device Label Name	Device Assigned Name	Rating	Description
1	COOL FAN I Fuse	F1UA Fuse	30A (LAF)	Cooling Fan Low Speed Relay
			25A (LF1)	
2	COOL FAN II Fuse	F2UA Fuse	40A (LAF)	Cooling Fan High Speed Relay
			25A (LF1)	
3	REAR DEFOG Fuse	F3UA Fuse	30A	Rear Defogger Grid
4	WNDW RT Fuse	F4UA Fuse	30A	Window Switch - Passenger and Window Switch - Right Rear

5	MSM Fuse	F5UA Fuse	40A	Seat Memory Control Module (LTZ or SLT)
6	PWR SEAT LT Fuse	F6UA Fuse	30A	Seat Adjuster Switch - Driver
7	I/P BEC #1 Fuse	F7UA Fuse	60A	F4DA, F8DA, F10DA, F12DA, F16DA, F30DA, F34DA, and F40DA Fuses
8	I/P BEC #2 Fuse	F8UA Fuse	60A	F6DA, F20DA, F29DA, F31DA, F32DA, F33DA, F35DA, F36DA, F37DA, and F38DA Fuses
9	STRTR Fuse	F9UA Fuse	30A	Starter Motor
10	BRK/BSTR Fuse	F10UA Fuse	40A	Brake Booster Pump Motor Relay
11	S/ROOF Fuse	F11UA Fuse	30A	Sunroof Motor (CF5)
12	ABS PUMP Fuse	F12UA Fuse	40A	Electronic Brake Control Module
13	I/P BEC #3 Fuse	F13UA Fuse	60A	Accessory Relay, Logistic Mode 1 Relay (EXP)
				Accessory Relay, F5DA, F7DA, F9DA, F11DA, F15DA, and F19DA Fuses (without EXP)
14	WNDW LT Fuse	F14UA Fuse	30A	Window Switch - Driver and Window Switch - Left Rear
15	ABS MDL Fuse	F15UA Fuse	20A	Electronic Brake Control Module
16	TCM BATT Fuse	F16UA Fuse	15A	Automatic Transmission Assembly
17	PRK/LGHT Fuse	F17UA Fuse	15A	Trailer Connector (V92)
18	ECM BATT Fuse	F18UA Fuse	10A	Engine Control Module
19	HTD MIR Fuse	F19UA Fuse	10A	Outside Rearview Mirror - Driver (DL8 or DL9), Outside Rearview Mirror - Passenger (DL8 or DL9)
20	TRLR LT Fuse	F20UA Fuse	10A	Trailer Connector (V92)
21	LGM Fuse	F21UA Fuse	30A	Liftgate Control Module (TB5)
22	PWR LUM Fuse	F22UA Fuse	20A	Seat Lumbar Support Switch - Driver
23	TRLR RT Fuse	F23UA Fuse	10A	Trailer Connector (V92)
24	CNSTR VENT Fuse	F24UA Fuse	10A	Evaporative Emission Vent Solenoid Valve
25	MIR MM Fuse	F25UA Fuse	7.5A	Mirror Control Module - Left (LTZ or SLT), Outside Rearview Mirror Switch (without LTZ or SLT)
26	RVC BATT SNSR	F26UA Fuse	5A	Body Control Module
27	REAR ACCY PWR OUTLET Fuse	F27UA Fuse	20A	Accessory Power Receptacle - Rear

28	WPR Fuse	F28UA Fuse	25A	Windshield Wiper Speed Control Relay, Windshield Wiper Relay
29	REAR/WPR Fuse	F29UA Fuse	20A	Rear Wiper Relay
30	A/C CMPSR Fuse	F30UA Fuse	10A	A/C Compressor Clutch
31	REAR CLOSURE Fuse	F31UA Fuse	15A	Liftgate Release Relay
32	HORN Fuse	F32UA Fuse	15A	Horn - High Note, Horn - Low Note
33	RT HI BEAM Fuse	F33UA Fuse	10A	Headlamp - Right High Beam
34	LT HI BEAM Fuse	F34UA Fuse	10A	Headlamp - Left High Beam
35	EVEN INJ Fuse	F35UA Fuse	20A	Engine Control Module (LF1), Ignition Coil 2, Ignition Coil 4, and Ignition Coil 6 (LF1)
36	ODD INJ Fuse	F36UA Fuse	20A	Engine Control Module, Ignition Coil 1, Ignition Coil 3, and Ignition Coil 5 (LF1)
37	WSW Fuse	F37UA Fuse	15A	Rear Window Washer Pump Relay, Windshield Washer Pump Relay
38	FRT FOG LAMP Fuse	F38UA Fuse	15A	Fog Lamp - Left Front (T96), Fog Lamp - Right Front (T96)
39	O2 SNSR POST Fuse	F39UA Fuse	15A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2 (LF1), Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2 (LF1)
40	ECM Fuse	F40UA Fuse	20A	Engine Control Module
41	O2 SNSR PRE Fuse	F41UA Fuse	15A	Evaporative Emission (EVAP) Canister Purge Solenoid Valve, Heated Oxygen Sensor (HO2S) 1 (LAF), Heated Oxygen Sensor (HO2S) 2 (LAF), Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1 (LF1), Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1 (LF1), Mass Air Flow (MAF) Sensor/Intake Air Temperature (IAT) Sensor
42	TCM Fuse	F42UA Fuse	15A	Automatic Transmission
43	MIR Fuse	F43UA Fuse	7.5A	Inflatable Restraint Passenger Air Bag On/Off Indicator, Inside Rearview Mirror (ISRVIM)
44	CCM Fuse	F44UA Fuse	10A	Fuel Pump Flow Control Module
45	Not Used	Not Used	N/A	Not Used
46	RDM Fuse	F46UA Fuse	15A	Rear Differential Clutch Control Module
47	LGM LOGIC Fuse	F47UA Fuse	15A	Liftgate Module (LGM) (TB5)
48	I/P BEC Fuse	F48UA Fuse	25A	HVAC, MIL, and SDM MDL IGN Fuses
49	HTD/SEAT FRT Fuse	F49UA Fuse	25A	Heated Seat Control Module (KA1 without LTZ or SLT), Memory Seat Module (MSM) (KA1

				with LTZ or SLT)
50	CCM Fuse	F50UA Fuse	25A	Fuel Pump Flow Control Module
51	ECM Fuse	F51UA Fuse	10A	Engine Control Module
52	REAR CAM Fuse	F52UA Fuse	5A	Rearview Camera (UVC)
53	EPS	F53UA Fuse	80A	Power Steering Control Module (LAF)
54	REAR DEFOG Relay	KR5 Relay	-	Rear Defogger Relay
55	COOL FAN LO Relay	KR20C Relay	-	Cooling Fan Low Speed Relay
56	HEAD LAMP HI Relay	KR48 Relay	-	Headlamp High Beam Relay
57	COOL FAN CNTRL Relay	KR20E Relay	-	Cooling Fan Speed Control Relay
58	WPR ON/OFF CNTRL Relay	KR12B Relay	-	Windshield Wiper Relay
59	A/C CMPRSR Relay	KR29 Relay	-	A/C Compressor Clutch Relay
60	WPR HI/LO SPD Relay	KR12C Relay	-	Windshield Wiper Speed Control Relay
61	FOG LAMP Relay	KR46 Relay	-	Front Fog Lamp Relay
62	ENG CNTRL Relay	KR71 Relay	-	Engine Control Module Relay
63	STRTR Relay	KR27 Relay	-	Starter Relay
64	RUN/CRNK Relay	KR74 Relay	-	Ignition Run Relay
65	COOL FAN HI Relay	KR20D Relay	-	Cooling Fan High Speed Relay
66	BRK/BSTR Relay	KR14 Relay	-	Brake Booster Pump Motor Relay

NOTE:

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

-	-	KR3 Relay	-	Horn Relay
-	-	KR6 Relay	-	Rear Window Washer Pump Relay
-	-	KR7 Relay	-	Rear Wiper Relay
-	-	KR11 Relay	-	Windshield Washer Pump Relay
-	-	KR53 Relay	-	Park Lamp Relay
-	-	KR63L Relay	-	Trailer Stop/Turn Signal Lamp Relay - Left
-	-	KR63R Relay	-	Trailer Stop/Turn Signal Lamp Relay - Right
-	-	KR95A Relay	-	Liftgate Release Relay
-	-	KR97 Relay	-	Door Lock Relay

NOTE:

Items listed below are Wiper/Washer system diagnostic test points.

67	TEST POINT (228A)	-	-	Windshield Washer Pump
68	TEST POINT (392)	-	-	Windshield Washer Pump
69	TEST POINT (393)	-	-	Rear Wiper Motor

NOTE:

Items listed below are Door Latch system diagnostic test points.

70	TEST POINT (6128)	-	-	Liftgate Latch Assembly (without TB5)
71	TEST POINT (295)	-	-	Door Latch Assembly - Left Rear, Door Latch Assembly - Passenger, and Door Latch Assembly - Right Rear
72	TEST POINT (3271)	-	-	Door Lock Relay

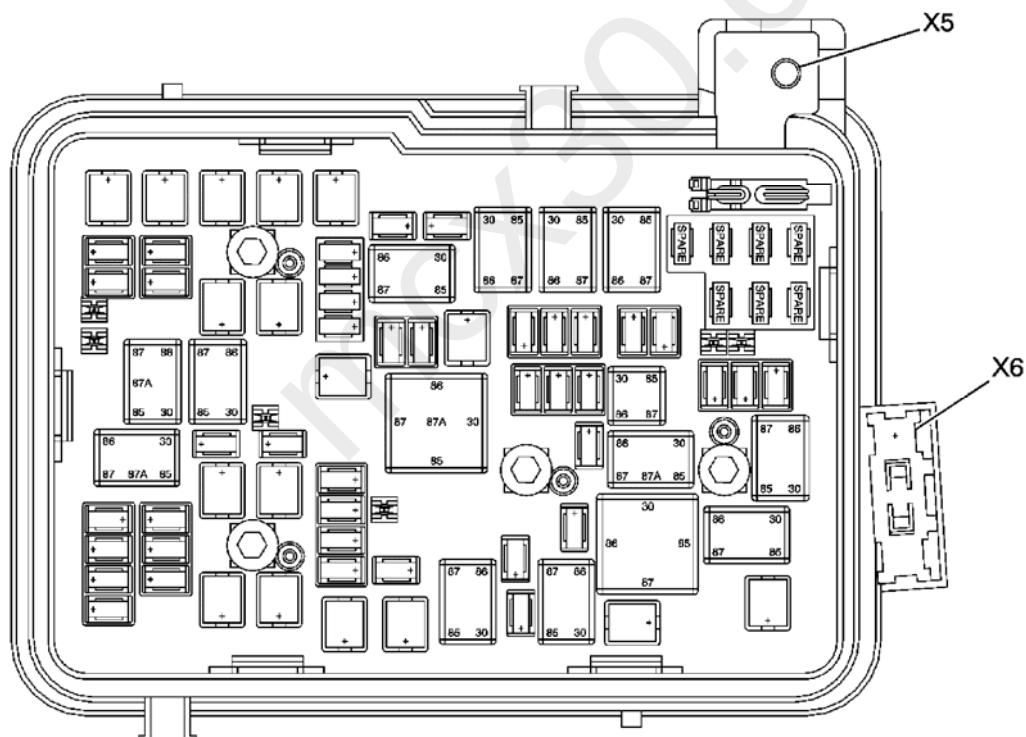


Fig. 2: X50A Fuse Block - Underhood, Top View
Courtesy of GENERAL MOTORS CORP.

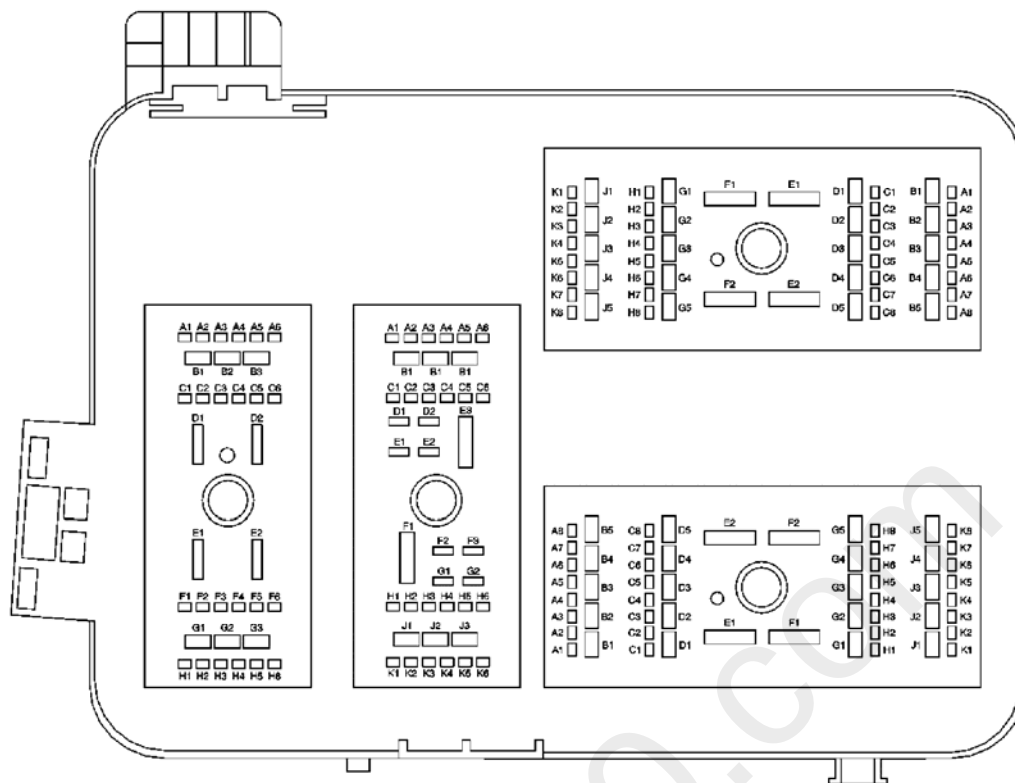


Fig. 3: X50A Fuse Block - Underhood, Bottom View
Courtesy of GENERAL MOTORS CORP.

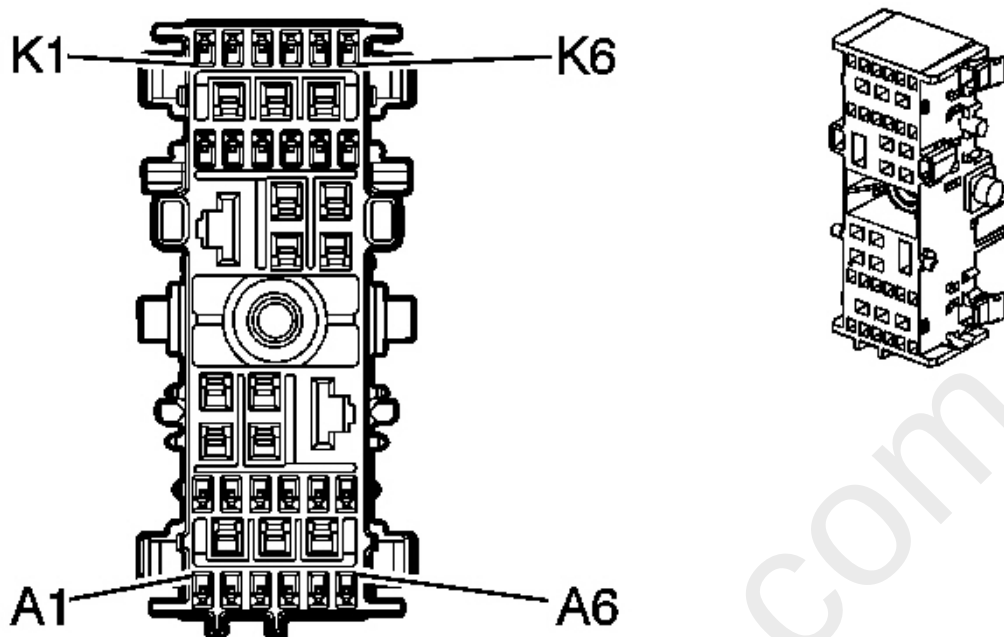


Fig. 4: X50A Fuse Block - Underhood X1
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Engine
- OEM: 88988809
- Service: 88988752
- Description: 40-Way F GT 150 280 Metri-Pack 800 Series (GY)

Terminal Part Information

- Pins: A1-A6, C2-C4, H3-H5, K5, K6
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C
- Pins: D2, E3
- Terminated Lead: Pin E3 - 13575465

- Release Tool: 12150860
- Diagnostic Test Probe: J-35616-44 (YE)
- Terminal/Tray: 12065915/5
- Core/Insulation Crimp: Pin D2: A/D
- Core/Insulation Crimp: Pin E3: C/A
- Pins: B1, B3
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D
- Pins: B2, D1, E1, G1, G2, J2, J3
- Terminated Lead: Pin D1 - 13575753
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: Pins G1, G2, J2, J3 - E/A
- Core/Insulation Crimp: Pins B2, D1, E1 - 2/A

X50A Fuse Block - Underhood X1

Pin	Wire	Circuit	Function
A1	0.5 PK/BK	5294	Battery Positive Voltage (LF1)
A2	0.5 YE	5991	Powertrain Relay Control
A3	0.5 PK/BK	5293	Ignition Voltage
A4	0.5 PU/WH	6386	Starter Relay Control
A5	0.5 PK	439	Ignition Voltage
A6	0.5 PK	2139	Ignition Voltage
B1	1 PK/BK	5290	Ignition Voltage (LAF)
	2 PK/BK	5290	Ignition Voltage (LF1)
B2	0.5 PK/BK	5293	Ignition Voltage
	0.5 PK/BK	5293	Ignition Voltage
B3	3 PU	6	Starter Solenoid Crank Voltage
C1	-	-	Not Used
C2	0.5 D-GN	335	Low Speed Cooling Fan Relay Control
C3	0.5 D-BU	473	High Speed Cooling Fan Relay Control
C4	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control
C5-C6	-	-	Not Used
D1	1 PK/BK	5292	Ignition Voltage

D2	0.8 PK/BK	5291	Ignition Voltage
	1 PK/BK	5291	Ignition Voltage
E1	0.8 PK/BK	5292	Ignition Voltage (LF1)
E2	-	-	Not Used
E3	1 OG	1470	Supply Voltage
F1-F3	-	-	Not Used
G1	0.5 RD/WH	440	Battery Positive Voltage
G2	0.5 L-BU/WH	6311	Brake Pedal Switch Signal
H1-H2	-	-	Not Used
H3	0.5 D-GN	59	A/C Compressor Clutch Supply Voltage
H4	0.35 BK	250	Ground
H5	0.5 BN	6305	Vacuum Pump Relay Control
H6	-	-	Not Used
J1	-	-	Not Used
J2	0.5 RD/WH	1840	Battery Positive Voltage
J3	0.5 BN	6305	Vacuum Pump Relay Control
K1-K4	-	-	Not Used
K5	0.5 D-BU	5985	Serial Data Wake-Up Signal
K6	0.5 D-BU	5985	Serial Data Wake-Up Signal

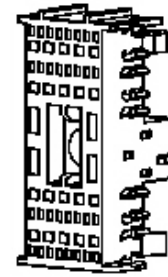
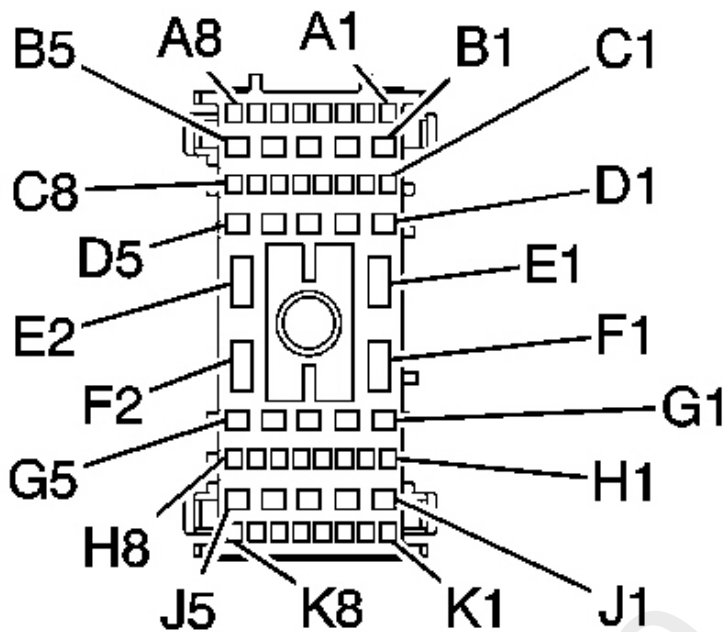


Fig. 5: X50A Fuse Block - Underhood X2
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Body
- OEM: 19115189
- Service: 19115189
- Description: 56-Way F GT 150 280 Metri-Pack 800 Series (BK)

Terminal Part Information

- Pins: E1, E2, F1, F2, G2
- Terminated Lead: Pending
- Release Tool: 12150860
- Diagnostic Test Probe: J-35616-44 (YE)
- Terminal/Tray: 12110127/19
- Core/Insulation Crimp: F/G
- Pins: A2-A4, A6-A8, C3, C5-C8, H8, K1, K5, K6, K8

- Terminated Lead: 13575479
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: Pins A2-A4, A6, A7, C3, C5-C8, H8, K1, K5, K6 - E/C
- Core/Insulation Crimp: Pins A8, K8 - C/A
- Pins: B1, D1
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: 4/4
- Pins: B2-B5, D2-D5, G3, G4, J1-J3, J5
- Terminated Lead: Pins B4, D2, D3, D5, G4, J1, J2, J5 - 13575753
- Terminated Lead: Pins B2, B3, B5, D4, G3, J3 - 13575752
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: Pins B2, B3, B5, D4, G3, J3 - E/A
- Core/Insulation Crimp: Pins B4, D2, D3, D5, G4, J1, J2, J5 - 2/A

X50A Fuse Block - Underhood X2

Pin	Wire	Circuit	Function
A1	-	-	Not Used
A2	0.5 D-BU	5985	Serial Data Wake-Up Signal
A3	0.35 OG	2267	Mirror Heating Element Supply Voltage (DL8)
A4	0.35 L-BU/WH	6311	Brake Pedal Switch Signal
A5	-	-	Not Used
A6	0.35 OG	5186	Left Trailer Turn Signal Lamp Control (V92)
A7	0.35 YE	5187	Right Trailer Turn Signal Lamp Control (V92)
A8	0.8 L-BU	6128	Rear Closure Unlatch Motor Unlatch Control (without TB5)
B1	2 PU	293	Rear Defog Element Supply Voltage
B2	0.35 OG	2267	Mirror Heating Element Supply Voltage (DL8)
B3	0.5 BN	6305	Vacuum Pump Relay Control

B4	1 WH	393	Rear Window Wiper Motor Control
B5	0.5 BK	750	Ground
C1-C2	-	-	Not Used
C3	0.35 WH	193	Rear Defog Relay Control
C4	-	-	Not Used
C5	0.35 YE	5420	Rear Wiper Relay Control
C6	0.35 D-GN	5706	5-Volt Reference (without TB5)
C7	0.35 YE	5704	5-Volt Reference (without TB5)
C8	0.5 BK	750	Ground
D1	2 RD/WH	1340	Battery Positive Voltage
D2	0.8 YE	318	Left Rear Trailer Stop/Turn Lamp Supply Voltage (V92)
D3	0.8 D-GN	319	Right Rear Trailer Stop/Turn Lamp Supply Voltage (V92)
D4	0.5 RD/WH	2340	Battery Positive Voltage
D5	1 RD/WH	3040	Battery Positive Voltage
E1	3 RD/BK	1342	Battery Positive Voltage (LTZ or SLT)
E2	5 RD/BK	42	Battery Positive Voltage
F1	3 RD/WH	5040	Battery Positive Voltage
F2	5 RD/BK	1642	Battery Positive Voltage
G1	-	-	Not Used
G2	3 RD/WH	1540	Battery Positive Voltage (TB5)
G3	0.5 RD/WH	2440	Battery Positive Voltage
G4	1 RD/WH	4940	Battery Positive Voltage
G5	-	-	Not Used
H1-H7	-	-	Not Used
H8	0.5 TN	860	Front Windshield Wiper Switch High Signal
J1	0.8 BN	2109	Trailer Park Lamps Supply Voltage (V92)
J2	0.8 RD/WH	5240	Battery Positive Voltage
J3	0.5 RD/WH	1940	Battery Positive Voltage
J4	-	-	Not Used
J5	1 BK	350	Ground
K1	0.35 D-BU	45	Park Lamp Supply Voltage/Marker Lamp Supply Voltage
K2-K4	-	-	Not Used
K5	0.35 L-GN/BK	3267	Child Security Door Latch Relay Control
K6	0.35 GY	91	Wiper Relay Control
K7	-	-	Not Used
K8	1 D-BU/WH	3266	Rear Door Latch Control

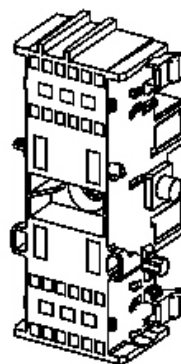
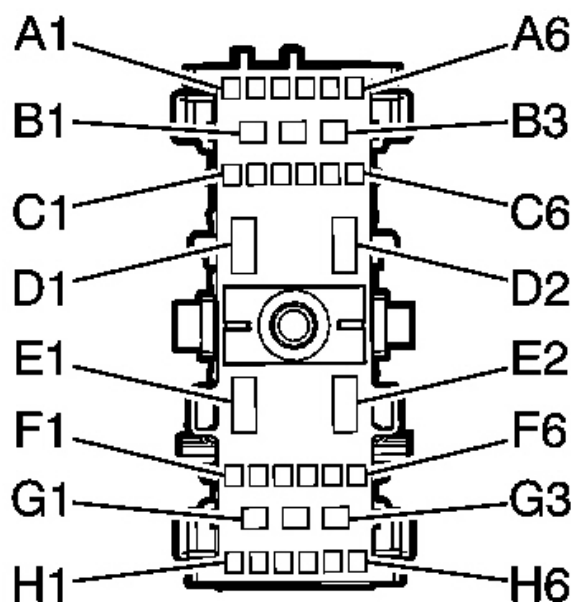


Fig. 6: X50A Fuse Block - Underhood X3
 Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Forward Lamp
- OEM: 19206622
- Service: 13574910
- Description: 34-Way (BK)

Terminal Part Information

- Pins: D2, E1, E2
- Terminated Lead: Pending
- Release Tool: 12150860
- Diagnostic Test Probe: J-35616-44 (YE)
- Terminal/Tray: 12110127/19
- Core/Insulation Crimp: F/G

- Pins: B3
- Terminated Lead: Pending

- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D
- Pins: B1, B2, G1
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: Pins B1, B2 - 2/A
- Core/Insulation Crimp: Pins G1 - E/A
- Pins: C1-C5
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: Pins C1-C3 - C/A
- Core/Insulation Crimp: Pins C4, C5 - E/C

X50A Fuse Block - Underhood X3

Pin	Wire	Circuit	Function
A1-A6	-	-	Not Used
B1	0.8 OG	228	Windshield Washer Pump Control
B2	0.8 D-GN	392	Rear Window Washer Pump Control
B3	3 BK	1150	Ground (LF1)
C1	0.8 D-GN	29	Horn Control
C2	0.8 D-GN	29	Horn Control
C3	0.8 L-GN/BK	311	Right Headlamp High Beam Supply Voltage
C4	0.5 D-GN/WH	711	Left Headlamp High Beam Supply Voltage
C5	0.5 PU	2234	Front Fog Lamp Supply Voltage (T96)
C6	-	-	Not Used
D1	-	-	Not Used
D2	2 WH	504	Cooling Fan Low Reference (LF1)
E1	3 L-BU	409	Cooling Fan Motor Supply Voltage (LAF)
	2 L-BU	409	Cooling Fan Motor Supply Voltage (LF1)
E2	3 GY	532	Cooling Fan Motor Supply Voltage (LAF)
	2 GY	532	Cooling Fan Motor Supply Voltage (LF1)
F1-F6	-	-	Not Used

G1	0.5 BK	1150	Ground
G2-G3	-	-	Not Used
H1-H6	-	-	Not Used

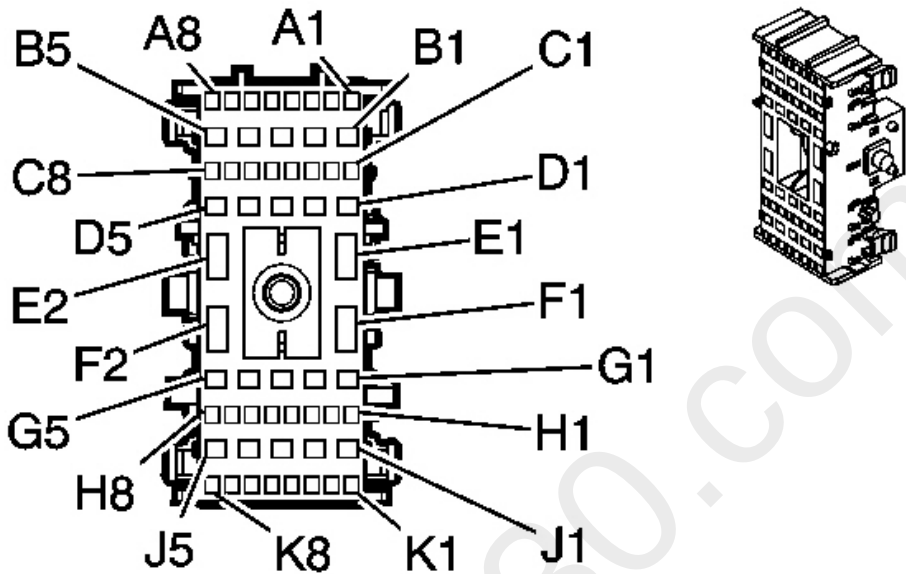


Fig. 7: X50A Fuse Block - Underhood X4
Courtesy of GENERAL MOTORS CORP.

Connector Part Information

- Harness: Body
- OEM: 15477823
- Service: 13574911
- Description: 56-Way F GT 150 280 Metri-Pack Series, (L-GY)

Terminal Part Information

- Pins: E1, F1
- Terminated Lead: Pending
- Release Tool: 12150860
- Diagnostic Test Probe: J-35616-44 (YE)
- Terminal/Tray: 12110127/19

- Core/Insulation Crimp: F/G
- Pins: A7, A8, H7, H8, K3-K8
- Terminated Lead: Pins H7, H8, K3-K8 - 13575479
- Terminated Lead: Pins A7, A8 - 13575735
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: Pins H7, H8, K3-K8 - E/C
- Core/Insulation Crimp: Pins A7, A8 - C/A
- Pins: B2-B5, D3-D5, G3, J2
- Terminated Lead: Pin J2 - 13575752
- Terminated Lead: Pins B2-B5, D3-D5, G3 - 13575753
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: Pin J2 - E/A
- Core/Insulation Crimp: Pins B2-B5, D3-D5, G3 - 2/A
- Pins: D2, G2
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: 4/4

X50A Fuse Block - Underhood X4

Pin	Wire	Circuit	Function
A1-A6	-	-	Not Used
A7	1 GY	295	Door Lock Actuator Lock Control
A8	1 D-GN	3271	Door Latch Control
B1	-	-	Not Used
B2	0.8 RD/BK	1042	Battery Positive Voltage
B3	1 RD/WH	2640	Battery Positive Voltage
B4	1 RD/WH	840	Battery Positive Voltage (TB5)
B5	1 D-GN	95	Windshield Wiper Motor Low Speed
C1-C8	-	-	Not Used
D1	-	-	Not Used
D2	2 RD/WH	1240	Battery Positive Voltage

D3	1 RD/WH	5140	Battery Positive Voltage (KA1)
D4	0.8 RD/BK	1542	Battery Positive Voltage (F46)
D5	1 PU	92	Windshield Wiper Motor High Speed
E1	5 RD/BK	742	Battery Positive Voltage
E2	-	-	Not Used
F1	3 RD/BK	442	Battery Positive Voltage
F2	-	-	Not Used
G1	-	-	Not Used
G2	2 RD/WH	3540	Battery Positive Voltage (CF5)
G3	1 PK	839	Ignition Voltage
G4-G5	-	-	Not Used
H1-H6	-	-	Not Used
H7	0.35 YE	5199	Ignition Voltage
H8	0.5 PK	1739	Ignition Voltage
J1	-	-	Not Used
J2	0.35 PK	1339	Ignition Voltage (UVC)
J3-J5	-	-	Not Used
K1-K2	-	-	Not Used
K3	0.5 TN/WH	1969	Headlamp High Beam Relay Control
K4	0.35 OG	2268	Washer Fluid Pump Relay Control
K5	0.35 TN	28	Horn Relay Control
K6	0.35 L-GN	2270	Rear Window Washer Relay Control
K7	0.35 D-GN/WH	1317	Fog Lamp Relay Control (T96)
K8	0.35 PK	339	Ignition Voltage

X50A Fuse Block - Underhood X5

Terminal Part Information

- Harness: Positive Battery Cable
- Terminal: 13717084
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

X50A Fuse Block - Underhood X5

Pin	Wire	Circuit	Function
A	19 RD	1	Battery Positive Voltage

X50A Fuse Block - Underhood X6 (LAF)

Terminal Part Information

- Harness: Electric Power Steering

- Terminal: X30709AC33X8
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

X50A Fuse Block - Underhood X6 (LAF)

Pin	Wire	Circuit	Function
A	13 RD/BK	42	Battery Positive Voltage

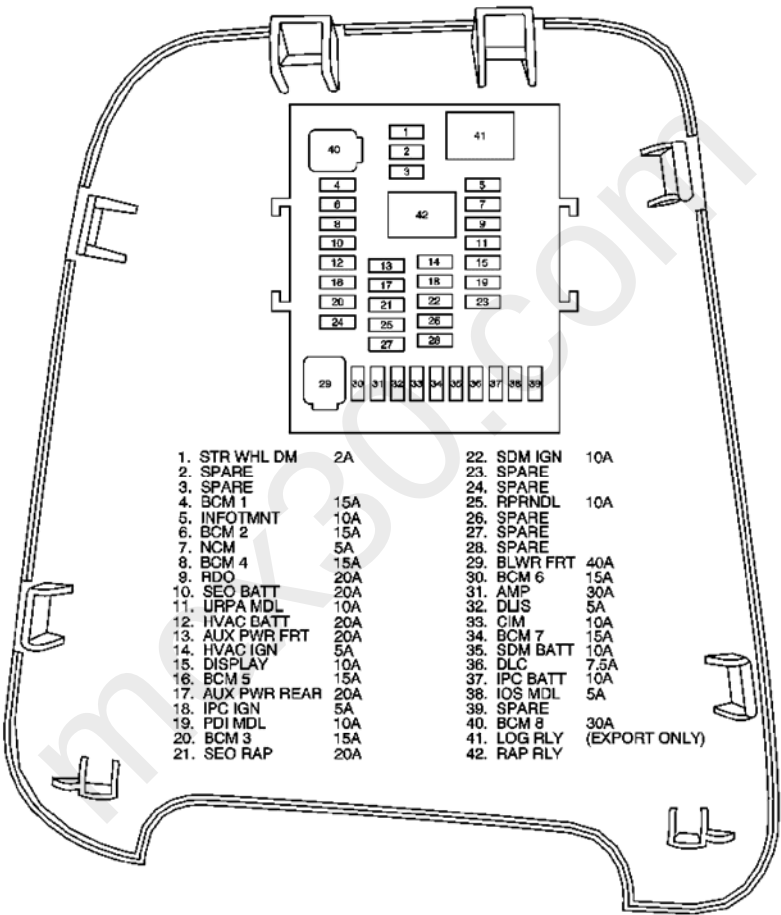


Fig. 8: X51A Fuse Block - Instrument Panel Label (before A6284015)
Courtesy of GENERAL MOTORS CORP.

X51A Fuse Block - Instrument Panel Label Usage (before A6284015)

No.	Device Label Name	Device Assigned Name	Rating	Description
1	STR WHL DM Fuse	F1DA Fuse	2A	Steering Wheel Control Switch - Left, Steering Wheel Control Switch - Right

2	Not Used	Not Used	N/A	Not Used
3	Not Used	Not Used	N/A	Not Used
4	BCM 1 Fuse	F4DA Fuse	15A	Body Control Module
5	INFOTMNT Fuse	F5DA Fuse	10A	Video Display - Driver Seatback (UWG), Video Display - Passenger Seatback (UWG)
6	BCM 2 Fuse	F6DA Fuse	15A	Body Control Module
7	NCM Fuse	F7DA Fuse	5A	Active Noise Cancellation Module (VQN)
8	BCM 4 Fuse	F8DA Fuse	15A	Body Control Module
9	RDO Fuse	F9DA Fuse	20A	Radio
10	SEO BATT Fuse	F10DA Fuse	20A	Not Used
11	URPA MDL Fuse	F11DA Fuse	10A	Object Alarm Control Module (UD7)
12	HVAC BATT Fuse	F12DA Fuse	20A	HVAC Control Module
13	AUX PWR FRT Fuse	F13DA Fuse	20A	Accessory Power Receptacle - Instrument Panel
14	HVAC IGN Fuse	F14DA Fuse	5A	HVAC Control Module
15	DSPLY Fuse	F15DA Fuse	10A	Info Display Module, Radio/HVAC Control
16	BCM 5 Fuse	F16DA Fuse	15A	Body Control Module
17	AUX PWR REAR Fuse	F17DA Fuse	20A	Accessory Power Receptacle - Center Console 1, Accessory Power Receptacle - Center Console 2
18	IPC IGN Fuse	F18DA Fuse	5A	Instrument Cluster
19	PDI MDL Fuse	F19DA Fuse	10A	Multimedia Player Interface Module (KTA)
20	BCM 3 Fuse	F20DA Fuse	15A	Body Control Module
21	SEO RAP Fuse	F21DA Fuse	20A	Not Used
22	SDM IGN Fuse	F22DA Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module
23	Not Used	Not Used	N/A	Not Used
24	Not Used	Not Used	N/A	Not Used
25	RPRNDL Fuse	F25DA Fuse	10A	Transmission Shift Lever Position Indicator
26	Not Used	Not Used	N/A	Not Used
27	Not Used	Not Used	N/A	Not Used
28	Not Used	Not Used	N/A	Not Used
29	BLWR FRT Fuse	F29DA Fuse	40A	Blower Motor Control Module
30	BCM 6 Fuse	F30DA Fuse	15A	Body Control Module
31	AMP Fuse	F31DA Fuse	30A	Audio Amplifier
32	DLIS Fuse	F32DA Fuse	5A	Ignition Switch
33	CIM Fuse	F33DA Fuse	10A	Telematics Communication Interface Control Module (UE1)
34	BCM 7 Fuse	F34DA Fuse	15A	Body Control Module

35	SDM BATT Fuse	F35DA Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module
36	DLC Fuse	F36DA Fuse	7.5A	Data Link Connector
37	IPC BATT Fuse	F37DA Fuse	10A	Instrument Cluster
38	IOS MDL Fuse	F38DA Fuse	5A	Passenger Presence Detection Sensor
39	Not Used	Not Used	N/A	Not Used
40	BCM 8 Fuse	F40DA Fuse	30A	Body Control Module
41	LOG RLY	KR104A Relay	-	Logistic Mode Relay 1 (EXP)
42	RAP RLY	KR80 Relay	-	Accessory Relay

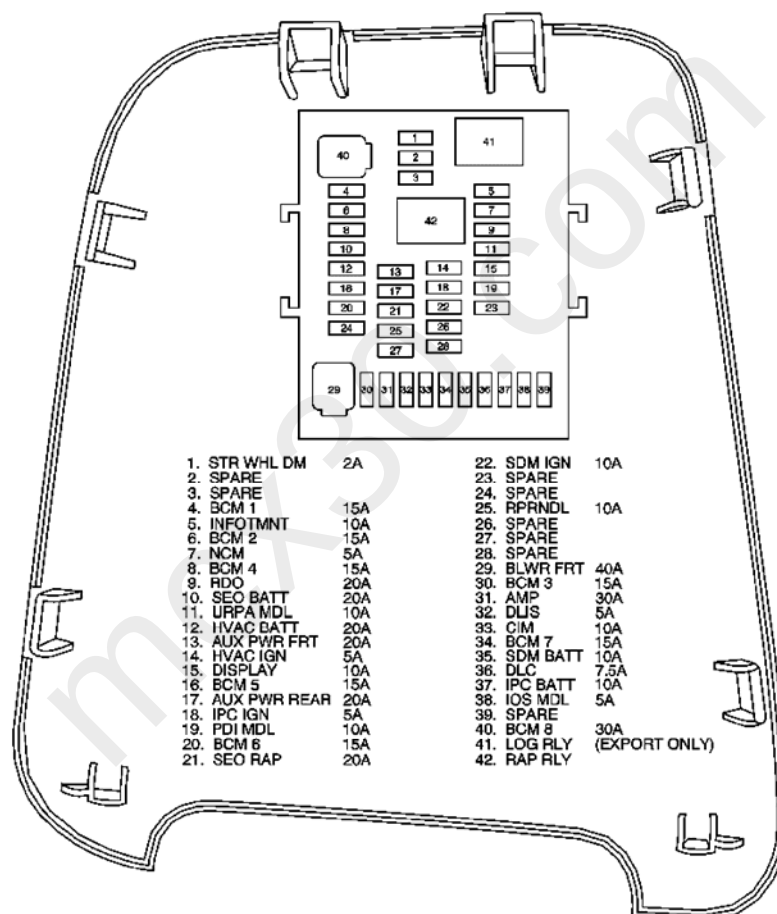


Fig. 9: X51A Fuse Block - Instrument Panel Label (A6284015 and after)
 Courtesy of GENERAL MOTORS CORP.

X51A Fuse Block - Instrument Panel Label Usage (A6284015 and after)

No.	Device Label Name	Device Assigned Name	Rating	Description

1	STR WHL DM Fuse	F1DA Fuse	2A	Steering Wheel Control Switch - Left, Steering Wheel Control Switch - Right
2	Not Used	Not Used	N/A	Not Used
3	Not Used	Not Used	N/A	Not Used
4	BCM 1 Fuse	F4DA Fuse	15A	Body Control Module
5	INFOTMNT Fuse	F5DA Fuse	10A	Video Display - Driver Seatback (UWG), Video Display - Passenger Seatback (UWG)
6	BCM 2 Fuse	F6DA Fuse	15A	Body Control Module
7	NCM Fuse	F7DA Fuse	5A	Active Noise Cancellation Module (VQN)
8	BCM 4 Fuse	F8DA Fuse	15A	Body Control Module
9	RDO Fuse	F9DA Fuse	20A	Radio
10	SEO BATT Fuse	F10DA Fuse	20A	Not Used
11	URPA MDL Fuse	F11DA Fuse	10A	Object Alarm Control Module (UD7)
12	HVAC BATT Fuse	F12DA Fuse	20A	HVAC Control Module
13	AUX PWR FRT Fuse	F13DA Fuse	20A	Accessory Power Receptacle - Instrument Panel
14	HVAC IGN Fuse	F14DA Fuse	5A	HVAC Control Module
15	DSPLY Fuse	F15DA Fuse	10A	Info Display Module, Radio/HVAC Control
16	BCM 5 Fuse	F16DA Fuse	15A	Body Control Module
17	AUX PWR REAR Fuse	F17DA Fuse	20A	Accessory Power Receptacle - Center Console 1, Accessory Power Receptacle - Center Console 2
18	IPC IGN Fuse	F18DA Fuse	5A	Instrument Cluster
19	PDI MDL Fuse	F19DA Fuse	10A	Multimedia Player Interface Module (KTA)
20	BCM 6 Fuse	F20DA Fuse	15A	Body Control Module
21	SEO RAP Fuse	F21DA Fuse	20A	Not Used
22	SDM IGN Fuse	F22DA Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module
23	Not Used	Not Used	N/A	Not Used
24	Not Used	Not Used	N/A	Not Used
25	RPRNDL Fuse	F25DA Fuse	10A	Transmission Shift Lever Position Indicator
26	Not Used	Not Used	N/A	Not Used
27	Not Used	Not Used	N/A	Not Used
28	Not Used	Not Used	N/A	Not Used
29	BLWR FRT Fuse	F29DA Fuse	40A	Blower Motor Control Module
30	BCM 3 Fuse	F30DA Fuse	15A	Body Control Module
31	AMP Fuse	F31DA Fuse	30A	Audio Amplifier
32	DLIS Fuse	F32DA Fuse	5A	Ignition Switch
				Telematics Communication Interface Control

33	CIM Fuse	F33DA Fuse	10A	Module (UE1)
34	BCM 7 Fuse	F34DA Fuse	15A	Body Control Module
35	SDM BATT Fuse	F35DA Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module
36	DLC Fuse	F36DA Fuse	7.5A	Data Link Connector
37	IPC BATT Fuse	F37DA Fuse	10A	Instrument Cluster
38	IOS MDL Fuse	F38DA Fuse	5A	Passenger Presence Detection Sensor
39	Not Used	Not Used	N/A	Not Used
40	BCM 8 Fuse	F40DA Fuse	30A	Body Control Module
41	LOG RLY	KR104A Relay	-	Logistic Mode Relay 1 (EXP)
42	RAP RLY	KR80 Relay	-	Accessory Relay

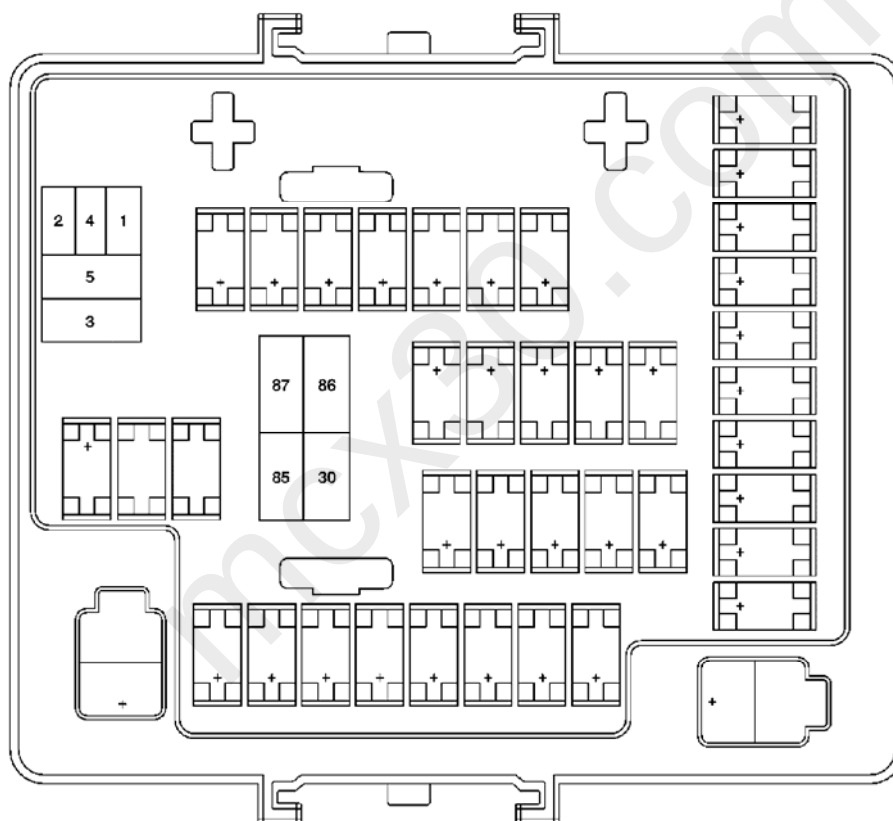


Fig. 10: X51A Fuse Block - Instrument Panel, Top View
Courtesy of GENERAL MOTORS CORP.

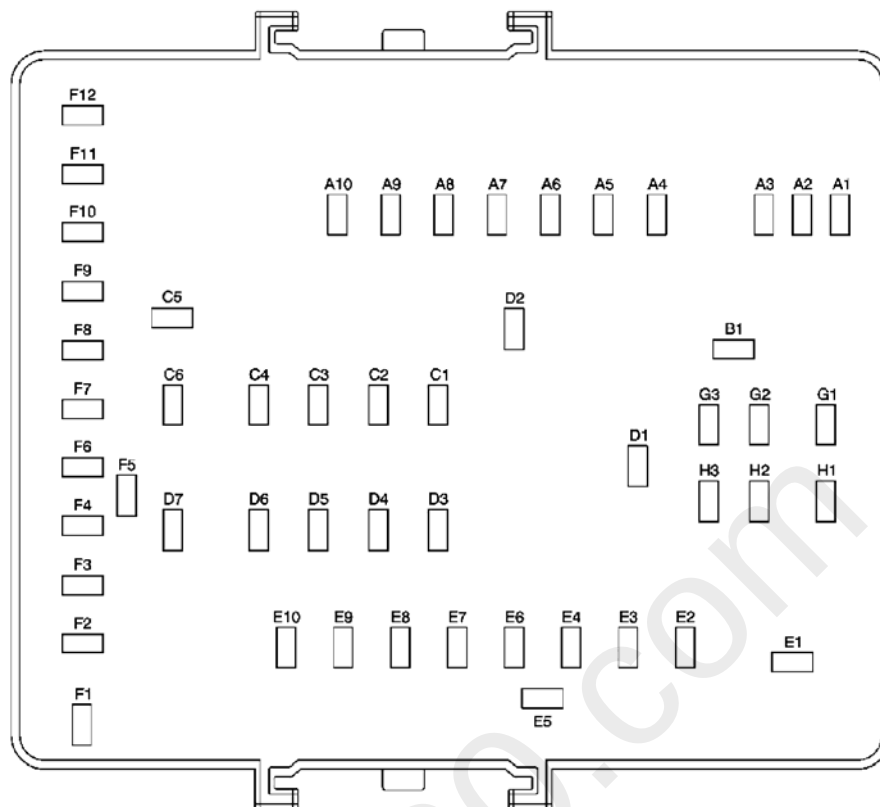


Fig. 11: X51A Fuse Block - Instrument Panel, Bottom View
Courtesy of GENERAL MOTORS CORP.

X51A Fuse Block - Instrument Panel Wire Entry

Connector Part Information

- Harness: Instrument Panel
- OEM: 13712077 (UE1)
- OEM: 13712078 (without UE1)
- Service: 20777299 (UE1)
- Service: 20777300 (without UE1)
- Description: 48-Way F Fuse Block (BK)

Terminal Part Information

- Pins: B1, E5, F5
- Terminated Lead: Pending
- Release Tool: 12150860
- Diagnostic Test Probe: J-35616-44 (YE)
- Terminal/Tray: 12110127/19

- Core/Insulation Crimp: F/G
- Pins: F3
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110842/4
- Core/Insulation Crimp: A/B
- Pins: A4-A9, C1-C3, C5, D1-D6, E2-E4, E6-E9, F2, F4, F6-F11, G1, H1
- Terminated Lead: 13575721
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-4A (PU)
- Terminal/Tray: 12110844/4
- Core/Insulation Crimp: Pins A5, A7, C1-C3, D2, D6, F4, F9-F11, H1 - E/4
- Core/Insulation Crimp: Pins A8, A9, D1, E3, E9, F6, F8, G1 - E/A
- Core/Insulation Crimp: Pins A4, A6, C5, D3-D5, E2, E4, E6-E8, F2, F7 - C/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)
- Pins: A1-A3
- Terminated Lead: 13575713
- Release Tool: 12094430
- Diagnostic Test Probe: J-35616-40 (BU)
- Terminal/Tray: 12065892/18
- Core/Insulation Crimp: A/F
- Pins: E1, F1
- Terminated Lead: Pending
- Release Tool: 15315247
- Diagnostic Test Probe: J-35616-43 (RD)
- Terminal/Tray: 15410292/23
- Core/Insulation Crimp: Pins E1 - G/F/G/F
- Core/Insulation Crimp: Pins F1 - G/F/G

X51A Fuse Block - Instrument Panel (Wire Entry)

Pin	Wire	Circuit	Function
A1	0.35 YE/BK	9231	Logisitics Relay Control (EXP)
A2	0.35 BK	1550	Ground
A3	0.35 YE	7546	Logisitics Relay Control (EXP)
	0.35 RD/WH	4240	Battery Positive Voltage (UWG)

A4	0.35 RD/WH	4240	Battery Positive Voltage (UWG)
A5	0.35 RD/WH	4340	Battery Positive Voltage (VQN)
A6	0.8 RD/WH	340	Battery Positive Voltage
A7	0.35 RD/WH	3140	Battery Positive Voltage (UD7)
A8	0.5 RD/WH	3240	Battery Positive Voltage
A9	0.5 RD/WH	4140	Battery Positive Voltage (KTA)
A10	-	-	Not Used
B1	5 RD/BK	742	Battery Positive Voltage
C1	0.35 PK	539	Ignition Voltage
C2	0.35 PK	139	Ignition 1 Voltage
C3	0.35 PK	1139	Ignition Voltage
C4	-	-	Not Used
C5	1 PK	839	Ignition Voltage
C6	-	-	Not Used
D1	0.5 BK	1550	Ground
D2	0.35 PK	70	RAP Relay Switch Supply Voltage
D3	1 D-GN	801	RAP 2 Fuse Supply Voltage
D4	1 D-GN	1001	RAP 1 Fuse Supply Voltage
D5	1 D-GN	1301	RAP Fuse Supply Voltage (UZ8)
D6	0.35 RD/BK	1002	RAP 1 Fuse Supply Voltage
D7	-	-	Not Used
E1	3 RD/WH	4040	Battery Positive Voltage
E2	0.8 RD/WH	2140	Battery Positive Voltage
E3	0.5 RD/WH	3840	Battery Positive Voltage
E4	1 RD/WH	2540	Battery Positive Voltage
E5	5 RD/BK	42	Battery Positive Voltage
E6	1 RD/WH	4640	Battery Positive Voltage (UZ8)
E7	0.8 RD/WH	3340	Battery Positive Voltage
E8	0.8 RD/WH	2940	Battery Positive Voltage
E9	0.5 RD/WH	3440	Battery Positive Voltage
E10	-	-	Not Used
F1	5 RD/BK	542	Battery Positive Voltage
F2	0.8 RD/WH	2740	Battery Positive Voltage
F3	2 RD/WH	3740	Battery Positive Voltage (UZ8)
F4	0.35 RD/WH	540	Battery Positive Voltage
F5	5 RD/BK	1642	Battery Positive Voltage
F6	0.5 RD/WH	5340	Ground (UE1)
F7	0.8 RD/WH	2240	Battery Positive Voltage
F8	0.5 RD/WH	4440	Battery Positive Voltage
F9	0.35 RD/WH	40	Battery Positive Voltage
F10	0.35 RD/WH	2840	Battery Positive Voltage

F11	0.35 RD/WH	2040	Battery Positive Voltage (without APL)
F12	-	-	Not Used
G1	0.5 YE	6817	LED Backlight Dimming Control
G2-G3	-	-	Not Used
H1	0.35 YE	6817	LED Backlight Dimming Control
H2-H3	-	-	Not Used

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