

2017 ELECTRICAL

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

ELECTRICAL CENTER IDENTIFICATION VIEWS

X50A FUSE BLOCK - UNDERHOOD LABEL

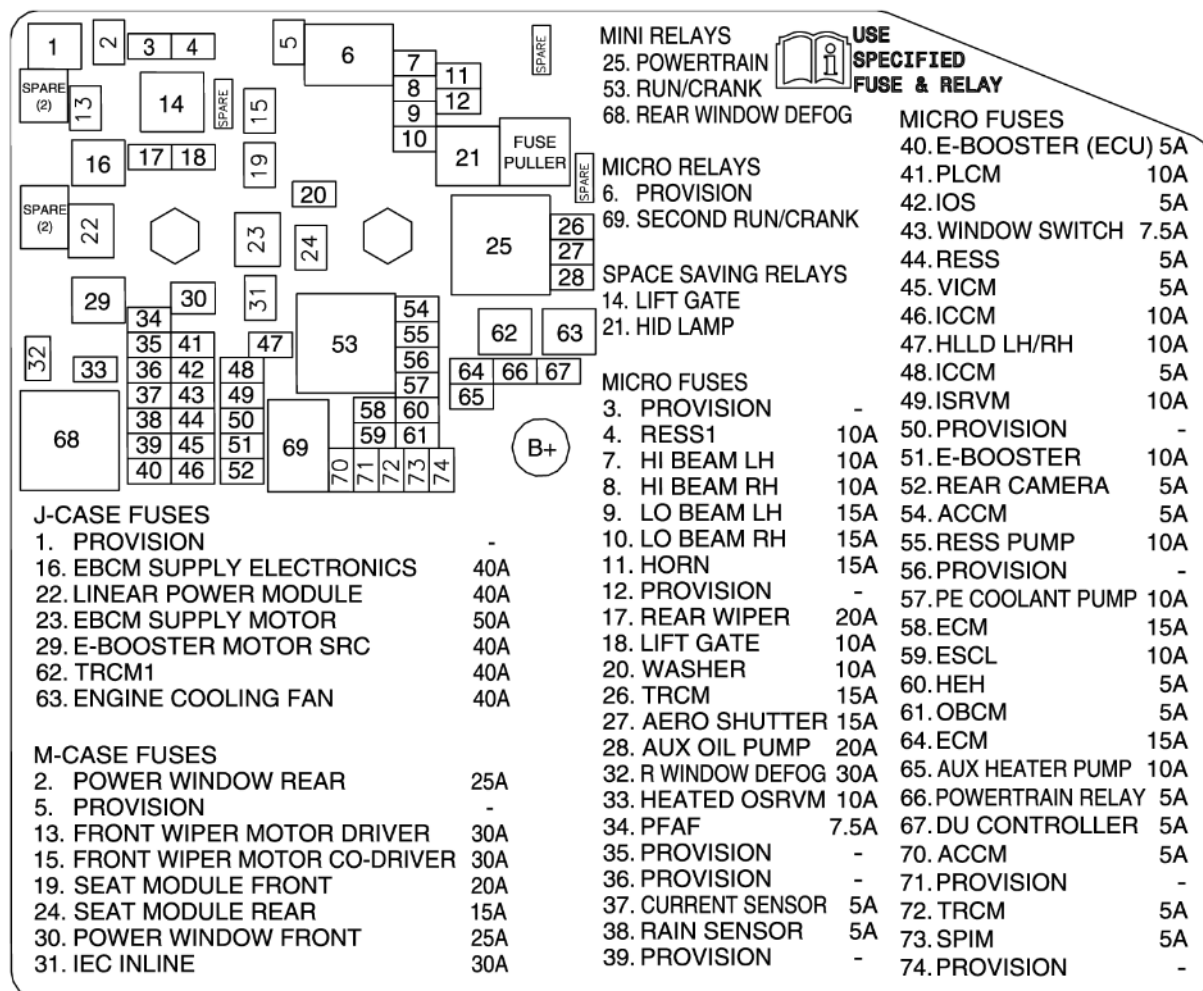


Fig. 1: X50A Fuse Block - Underhood Label

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD TOP VIEW

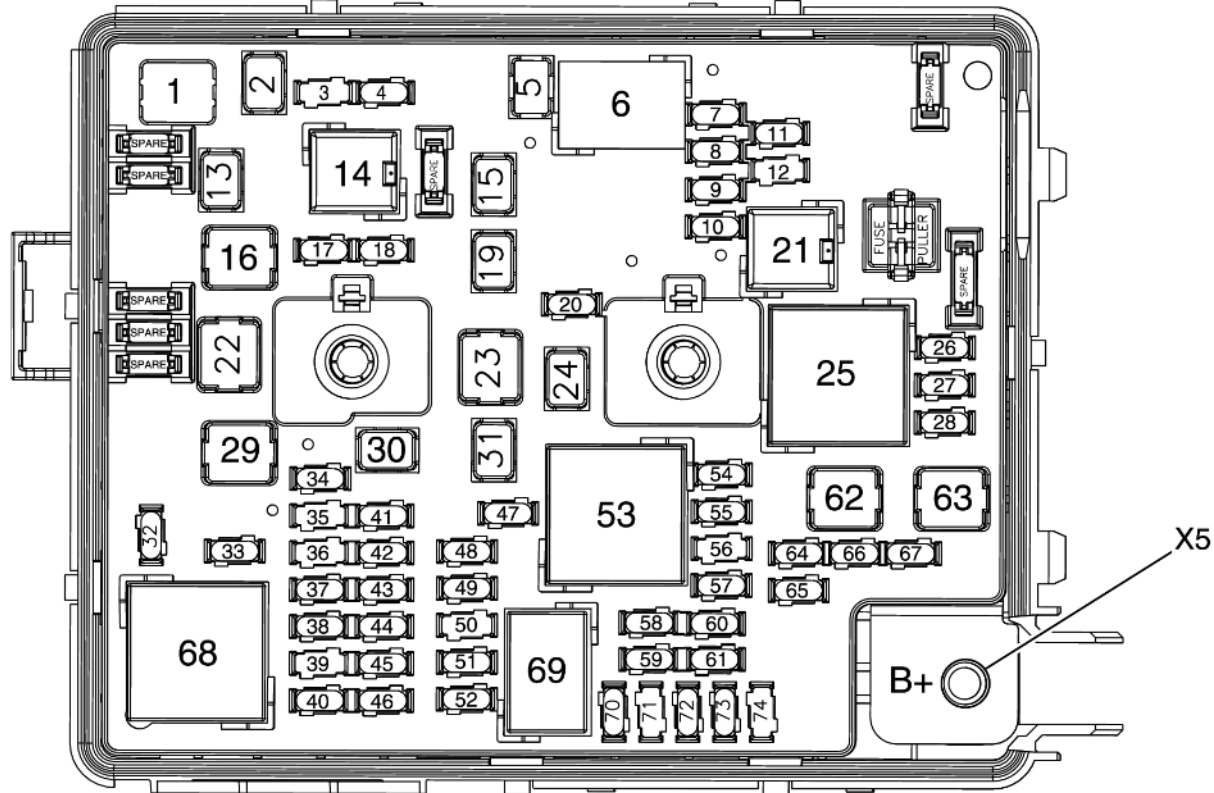


Fig. 2: X50A Fuse Block - Underhood Top View

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD FUSE AND RELAY IDENTIFICATION LEGEND

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	PROVISION	-	-	Not Used
2	POWER WINDOW REAR	F2UA	25A	- S79LR Window Switch - Left Rear - S79RR Window Switch - Right Rear
3	PROVISION	-	-	Not Used
4	RESS1	F4UA	10A	K16 Battery Energy Control Module
5	PROVISION	-	-	Not Used
7	HI BEAM LH	F7UA	10A	M28L High Beam Solenoid Actuator - Left
8	HI BEAM RH	F8UA	10A	M28R High Beam Solenoid Actuator - Right
9	LO BEAM LH	F9UA	15A	E4G Headlamp - Left Low Beam

No.	Device Label Name	Assigned Name	Rating	Description
10	LO BEAM RH	F10UA	15A	E4H Headlamp - Right Low Beam
11	HORN	F11UA	15A	- P12L Horn - Left - P12R Horn - Right
12	PROVISION	-	-	Not Used
13	FRONT WIPER MOTOR DRIVER	F13UA	30A	M75L Windshield Wiper Motor Module - Left
15	FRONT WIPER MOTOR CO-DRIVER	F15UA	30A	M75R Windshield Wiper Motor Module - Right
16	EBCM SUPPLY ELECTRONICS	F16UA	40A	K17 Electronic Brake Control Module
17	REAR WIPER	F17UA	20A	KR7 Rear Wiper Relay
18	REAR LIFT GATE	F18UA	10A	KR95A Liftgate Unlatch Relay
19	SEAT MODULE FRONT	F19UA	20A	K29F Seat Heating Control Module - Front
20	WASHER	F20UA	10A	- KR11 Windshield Washer Pump Relay - KR6 Rear Window Washer Pump Relay
22	LINEAR POWER MOTOR	F22UA	40A	K8 Blower Motor Control Module
23	EBCM SUPPLY MOTOR	F23UA	50A	K17 Electronic Brake Control Module
24	SEAT MODULE REAR	F24DA	15A	K29R Seat Heating Control Module - Rear
26	TRCM	F26UA	15A	K173 Transmission Range Control Module
27	AERO SHUTTER	F27UA	15A	M96 Active Grille Air Shutter Actuator

No.	Device Label Name	Device Assigned Name	Rating	Description
28	AUX OIL PUMP	F28UA	20A	G5 Transmission Fluid Pump - Electric/ Auxiliary
29	E-BOOSTER MOTOR SRC	F29UA	40A	K177 Brake Booster Control Module
30	POWER WINDOW FRONT	F30UA	25A	- M74D Window Motor - Driver - S79P Window Switch - Passenger
31	IEC INLINE	F31UA	30A	- F25DA - F26DA - F27DA - F28DA - F29DA - F30DA
32	R WINDOW DEFOG	F32UA	30A	E18 Rear Defogger Grid
33	HEATED OSRVM	F33UA	10A	- E17D Outside Rearview Mirror Glass - Driver - E17P Outside Rearview Mirror Glass - Passenger
34	PFAF	F34UA	7.5A	K132 Pedestrian Alert Sound Control Module
35	PROVISION	-	-	Not Used
36	PROVISION	-	-	Not Used
37	CURRENT SENSOR	F37UA	5A	K9 Body Control Module
38	RAIN SENSOR	F38UA	5A	B200 Rain Sensor Module (CE1)
39	PROVISION	-	-	Not Used
40	E-BOOSTER (ECU)	F40UA	5A	K177 Brake Booster Control Module
41	PLCM	F41UA	10A	K190 Power Line Communication Module (CBT)

No.	Device Label Name	Device Assigned Name	Rating	Description
42	IOS	F42UA	5A	K85 Passenger Presence Module (AL0)
43	WINDOW SWITCH	F43UA	7.5A	S79D Window Switch - Driver
44	RESS	F44UA	5A	K16 Battery Energy Control Module
45	VICM	F45UA	5A	K114B Hybrid/EV Powertrain Control Module 2
46	ICCM	F46UA	10A	K38 Chassis Control Module
47	HLLD LH/RH	F47UA	10A	- M29L Headlamp Leveling Actuator - Left (TR6) - M29R Headlamp Leveling Actuator - Right (TR6)
48	ICCM	F48UA	5A	K38 Chassis Control Module
49	ISRVM	F49UA	40A	A10 Inside Rearview Mirror (DD8/DRZ/UEV)
50	PROVISION	-	-	Not Used
51	E-BOOSTER	F51UA	10A	K177 Brake Booster Control Module
52	REAR CAMERA	F52UA	5A	B87 Rearview Camera (UVC/UVH)
54	ACCM	F54UA	5A	G1 A/C Compressor
55	RESS PUMP	F55UA	10A	G37 Hybrid/EV Battery Pack Coolant Pump
56	PROVISION	-	-	Not Used
57	PE COOLANT PUMP	F57UA	10A	G35 Hybrid/EV Electronics Coolant Pump
58	ECM	F58UA	15A	K20 Engine Control Module

No.	Device Label Name	Device Assigned Name	Rating	Description
59	ESCL	F59UA	10A	K60 Steering Column Lock Module (N06)
60	HEH	F60UA	5A	K10 Coolant Heater Control Module
61	OBCM	F61UA	5A	T18 Battery Charger
62	TRCM1	F62UA	40A	K173 Transmission Range Control Module
63	ENGINE COOLING FAN	F63UA	40A	G10 Cooling Fan Motor
64	ECM	F64UA	15A	K20 Engine Control Module
65	AUX HEATER PUMP	F65UA	10A	G36 Auxiliary Heater Coolant Pump
66	POWERTRAIN RELAY	F66UA	5A	K20 Engine Control Module
67	DU CONTROLER	F67UA	5A	G5 Transmission Fluid Pump - Electric/ Auxiliary
70	ACCM	F70UA	5A	G1 A/C Compressor
71	PROVISION	-	-	Not Used
72	TRCM	F72UA	5A	K173 Transmission Range Control Module
73	SPIM	F73UA	5A	T6 Power Inverter Module
74	PROVISION	-	-	Not Used

Relays

6	PROVISION	-	-	Not Used
14	LIFT GATE	KR95A Liftgate Unlatch Relay	-	A23C Liftgate Latch Assembly
21	HID LAMP	KR49 Headlamp Low Beam Relay	-	F9UA

No.	Device Label Name	Device Assigned Name	Rating	Description
25	POWERTRAIN	KR75 Engine Controls Ignition Relay	-	• F26UA • F27UA • F66UA • F67UA
53	RUN/CRANK	KR73A Ignition Main Relay 1	-	• F31UA • F47UA • F48UA • F49UA • F51UA • F52UA • F59UA • F64UA • F71UA
68	REAR WINDOW DEFOG	KR5 Rear Defogger Relay	-	• F32UA • F33UA
69	SECOND RUN/CRANK	KR73B Ignition Main Relay 2	-	• F36UA • F39UA • F44UA • F45UA • F54UA • F72UA • F73UA

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

-	-	KR3 Horn Relay	-	• F11UA
-	-	KR7 Rear Wiper Relay	-	• M45 Rear Wiper Motor
-	-	KR6 Rear Window Washer Pump Relay	-	• G19 Rear Window Washer Pump
-	-	KR11 Windshield Washer Pump Relay	-	• G24 Windshield Washer Pump Relay
-	-	KR48 Headlamp High Beam Relay	-	• F7UA • F8UA
-	-	KR31 Coolant Pump Relay - Auxillary	-	• F65UA

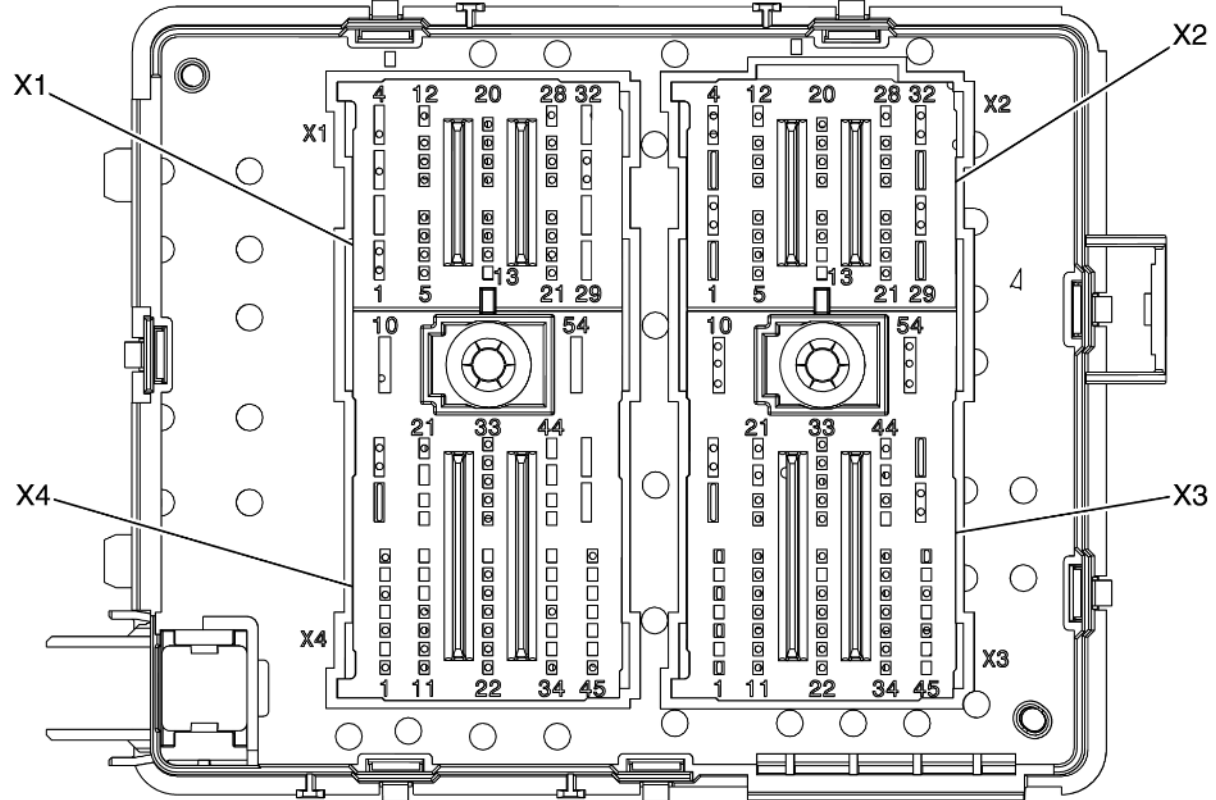
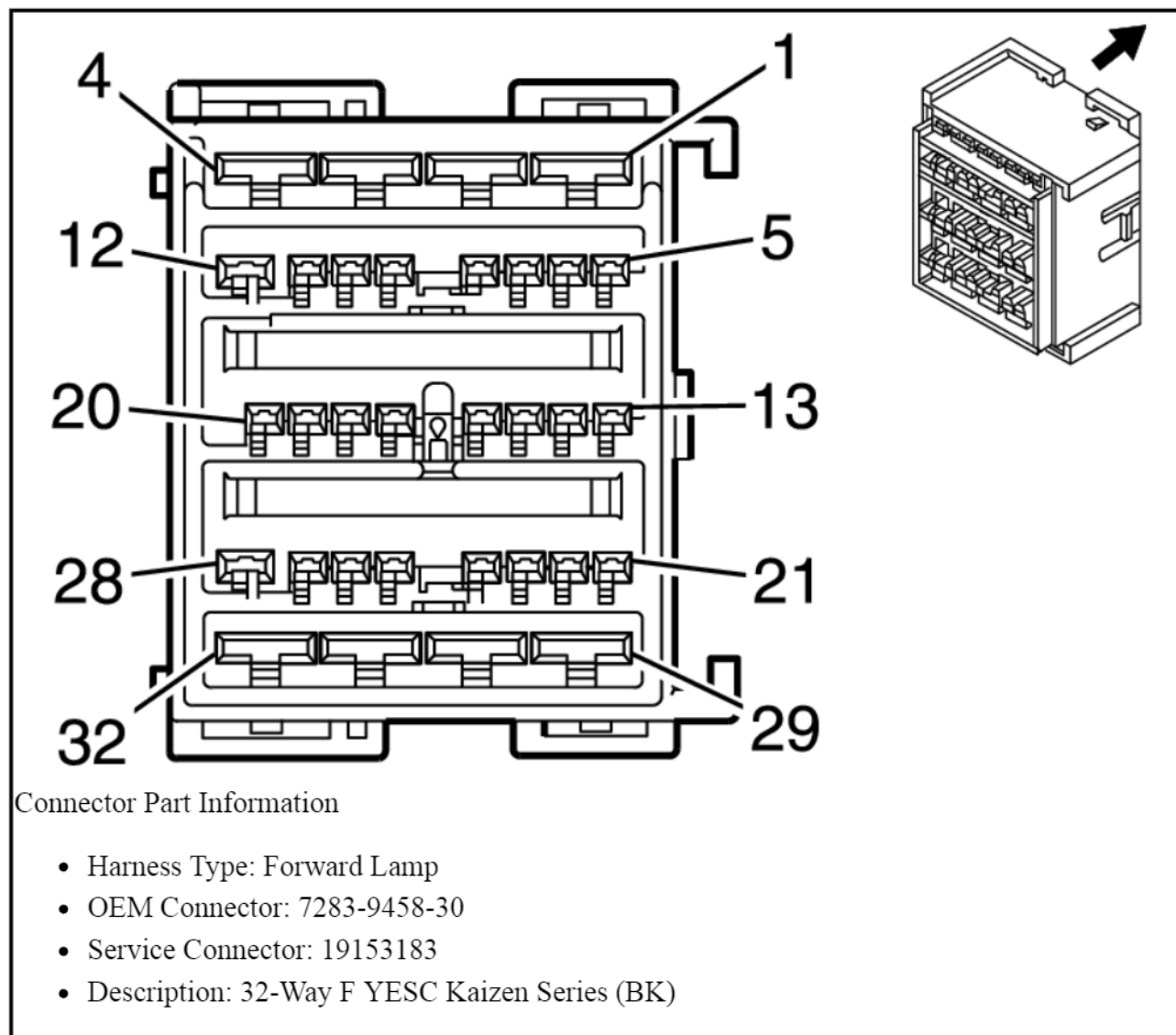


Fig. 3: X50A Fuse Block - Underhood Bottom View

Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD X1

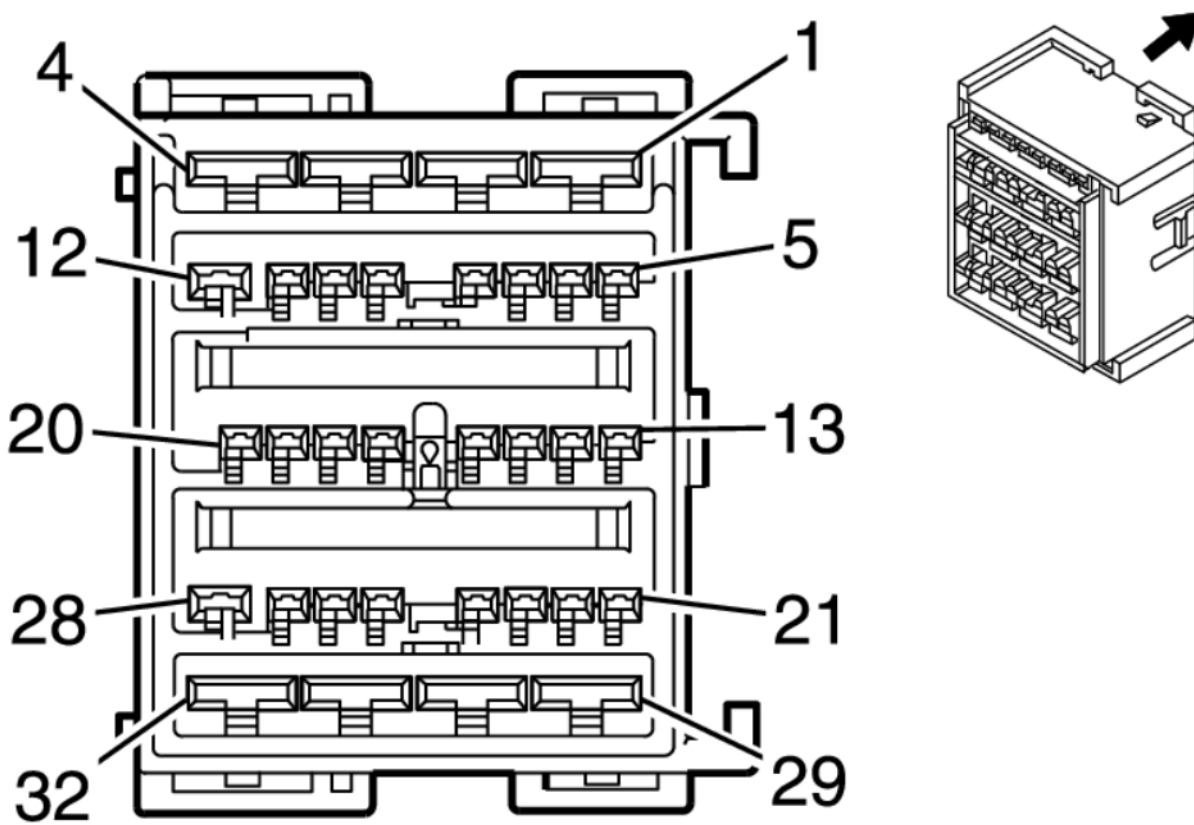


Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575833	J-35616-42 (RD)	J-38125-11A	7116-4120-02	Yazaki 9	E	A
II	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
III	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	BN/YE	189	Headlamp Leveling Motor Control	I	TR6
2 - 4	-	-	-	Not Occupied	-	-
5	0.5	GN/VT	1315	Right Front Turn Signal Lamp Control	III	-
6	0.5	BU/WH	1314	Left Front Turn Signal Lamp Control	III	-
7 - 9	-	-	-	Not Occupied	-	-
10	0.75	BN/GY	29	Horn Control	III	-
11	1	BN/GY	29	Horn Control	III	-
12	2.5	BK	50	Ground	II	-
13 - 15	-	-	-	Not Occupied	-	-
16	0.75	YE	312	Right Headlamp Low Beam Control	III	-
17	0.75	YE	712	Left Headlamp Low Beam Control	III	-
18	-	-	-	Not Occupied	-	-
19	0.5	WH	311	Right Headlamp High Beam Control	III	-
20	0.5	WH	711	Left Headlamp High Beam Control	III	-
21	0.5	VT/WH	239	Run/Crank Ignition 1 Voltage	III	TR6
22	0.5	VT/GY	709	Left Park Lamp Control	III	-
23	0.5	GY/VT	228	Windshield Washer Pump Control	III	-
24	0.5	BU/VT	392	Rear Window Washer Pump Control	III	-
25	0.5	GY/BN	309	Right Park Lamp Control	III	-
26	0.5	GY/GN	4338	Pedestrian Friendly Alert Speaker Control (+)	III	-
27	0.5	VT/BN	4337	Pedestrian Friendly Alert Speaker Control (-)	III	-
28 - 32	-	-	-	Not Occupied	-	-

X50A FUSE BLOCK - UNDERHOOD X2



Connector Part Information

- Harness Type: Body
- OEM Connector: 7283-9458-30
- Service Connector: 19153183
- Description: 32-Way F YESC Kaizen Series (BK)

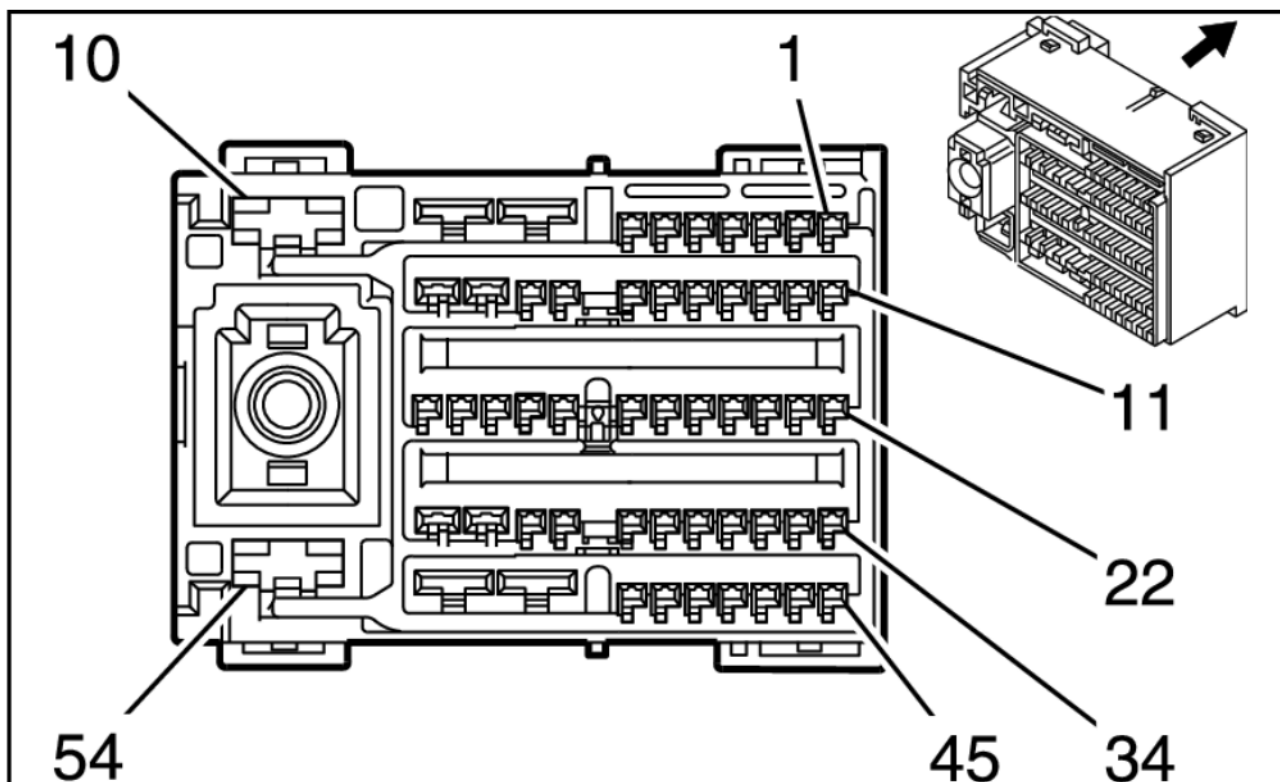
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575833	J-35616-42 (RD)	J-38125-11A	7116-4120-02	Yazaki 9	E	B
II	13575838	J-35616-35 (VT)	J-38125-11A	7116-4110-02	Yazaki 9	E	C
III	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
IV	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	13578928	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	1	RD/BU	540	Battery Positive Voltage	I	KA1
2	-	-	-	Not Occupied	-	-
3	2.5	RD/WH	640	Battery Positive Voltage	V	-
4	-	-	-	Not Occupied	-	-
5	0.5	VT/GY	709	Left Park Lamp Control	IV	-
6	0.75	BU/WH	1314	Left Front Turn Signal Lamp Control	IV	-
7 - 9	-	-	-	Not Occupied	-	-
10	0.5	GY/GN	4338	Pedestrian Friendly Alert Speaker Control (+)	IV	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
11	0.5	VT/BN	4337	Pedestrian Friendly Alert Speaker Control (-)	IV	-
12	0.5	GY/BN	309	Right Park Lamp Control	II	-
13 - 14	-	-	-	Not Occupied	-	-
15	0.35	GN/WH	2270	Rear Window Washer Relay Control	IV	-
16	0.35	BN/VT	1969	Headlamp High Beam Relay Control	IV	-
17	-	-	-	Not Occupied	-	-
18	0.5	RD/VT	1640	Battery Positive Voltage	IV	-
19	0.5	BN/YE	189	Headlamp Leveling Motor Control	IV	TR6
20 - 21	-	-	-	Not Occupied	-	-
22	0.35	YE	5420	Rear Wiper Motor Relay Coil Control	IV	-
23	0.35	BN/GY	2268	Windshield Washer Relay Control	IV	-
24	0.35	BN/WH	28	Horn Relay Control	IV	-
25	0.35	YE	5704	Endgate Latch Relay Coil Control	IV	-
26	0.5	BU/WH	6128	Rear Closure Unlatch Motor Unlatch Control	IV	-
27	0.35	GN/BN	5706	Endgate Latch Relay Control	IV	-
28	2	RD/BN	2940	Battery Positive Voltage	III	-
29	2.5	RD/BU	3242	Battery Positive Voltage	V	-
30	1	GY/VT	5780	Windshield Wiper Motor Park Switch Fused Signal	I	-
31	2.5	RD/WH	640	Battery Positive Voltage	V	-
32	-	-	-	Not Occupied	-	-

X50A FUSE BLOCK - UNDERHOOD X3



Connector Part Information

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- Harness Type: Body

- OEM Connector: 7283-9457-3W
- Service Connector: 19153182
- Description: 54-Way F YESC Kaizen Series (BK)

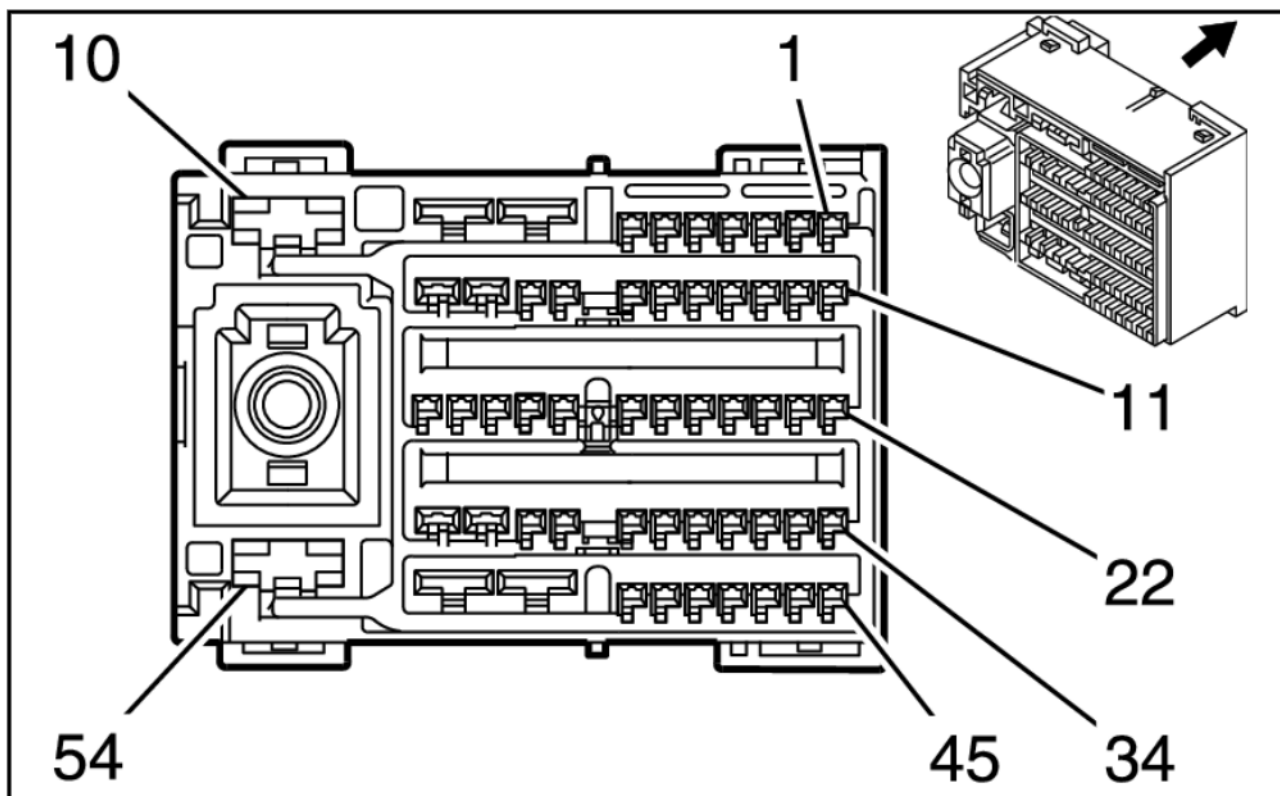
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575833	J-35616-42 (RD)	J-38125-11A	7116-4120-02	Yazaki 9	E	B
II	13575838	J-35616-35 (VT)	J-38125-11A	7116-4111-02	Yazaki 9	C	A
III	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	Yazaki 9	C	D
IV	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
V	13578927	J-35616-22 (RD)	J-38125-11A	7116-3251	Yazaki 10	G	3
VI	13578927	J-35616-22 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
VII	13578928	J-35616-42 (RD)	J-38125-11A	7116-4121-02	Yazaki 10	C	B
VIII	13578928	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	VT/GY	539	Run/Crank Ignition 1 Voltage	IV	-
2 - 4	-	-	-	Not Occupied	-	-
5	0.35	VT/BK	339	Run/Crank Ignition 1 Voltage	IV	-
6	-	-	-	Not Occupied	-	-
7	0.35	VT/WH	639	Run/Crank Ignition 1 Voltage	IV	-
8	2	VT/GN	39	Run/Crank Ignition 1 Voltage	VII	-
9	0.75	RD/BU	540	Battery Positive Voltage	I	KA6
10	4	RD/BN	3142	Battery Positive Voltage	V	-
11	0.35	VT/BK	739	Run/Crank Ignition 1 Voltage	IV	UVC
12	0.35	BN/WH	419	Check Engine Indicator Control	IV	-
13	-	-	-	Not Occupied	-	-
14	0.75	BU/VT	807	OFF /Accessory Ignition Voltage	IV	N06
15	0.35	RD/GN	1540	Battery Positive Voltage	IV	-
16	0.35	GN/VT	5199	Run/Crank Relay Coil Control	IV	-
17	0.5	RD/GN	2440	Battery Positive Voltage	IV	AL0
18	0.5	RD/WH	1040	Battery Positive Voltage	IV	CBT
19	0.5	BU/WH	3977	Accessory Wakeup Serial Data 2	IV	-
20	1	BK	350	Ground	II	-
21	2	RD/GN	1540	Battery Positive Voltage	III	-
22	0.35	RD/BN	440	Battery Positive Voltage	IV	-
23	0.5	VT/BK	1239	Run/Crank Ignition 1 Voltage	IV	-
24	0.35	RD/YE	3740	Battery Positive Voltage	IV	-
25	0.5	VT/GN	1339	Run/Crank Ignition 1 Voltage	IV	-
26	0.35	RD/GN	40	Battery Positive Voltage	IV	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
27 - 30	-	-	-	Not Occupied	-	-
31	0.5	RD/BU	6040	Battery Positive Voltage	IV	-
32	-	-	-	Not Occupied	-	-
33	0.75	GN/VT	1315	Right Front Turn Signal Lamp Control	IV	-
34 - 35	-	-	-	Not Occupied	-	-
36	1	RD/YE	3040	Battery Positive Voltage	IV	-
37	-	-	-	Not Occupied	-	-
38	0.35	GN/VT	5199	Run/Crank Relay Coil Control	IV	-
39	0.35	BN/YE	2267	Mirror Heating Element Control	IV	-
40	0.35	BN/YE	2267	Mirror Heating Element Control	IV	-
41	-	-	-	Not Occupied	-	-
42	0.35	BN/YE	1970	Headlamp Low Beam Relay Control	IV	-
43	-	-	-	Not Occupied	-	-
44	1	BU	393	Rear Window Wiper Motor Control	II	-
45 - 47	-	-	-	Not Occupied	-	-
48	0.35	BN/VT	193	Rear Defog Relay Control	IV	-
49	0.35	GY	5127	After Boil Heater Relay Control	IV	-
50 - 51	-	-	-	Not Occupied	-	-
52	2	BN/VT	293	Rear Defog Element Control	VII	-
53	2.5	RD/YE	3042	Battery Positive Voltage	VIII	-
54	2.5	RD/BU	840	Battery Positive Voltage	VI	-

X50A FUSE BLOCK - UNDERHOOD X4



Connector Part Information

- Harness Type: Engine

- OEM Connector: 7283-9457-3W
- Service Connector: 19153182
- Description: 54-Way F YESC Kaizen Series (BK)

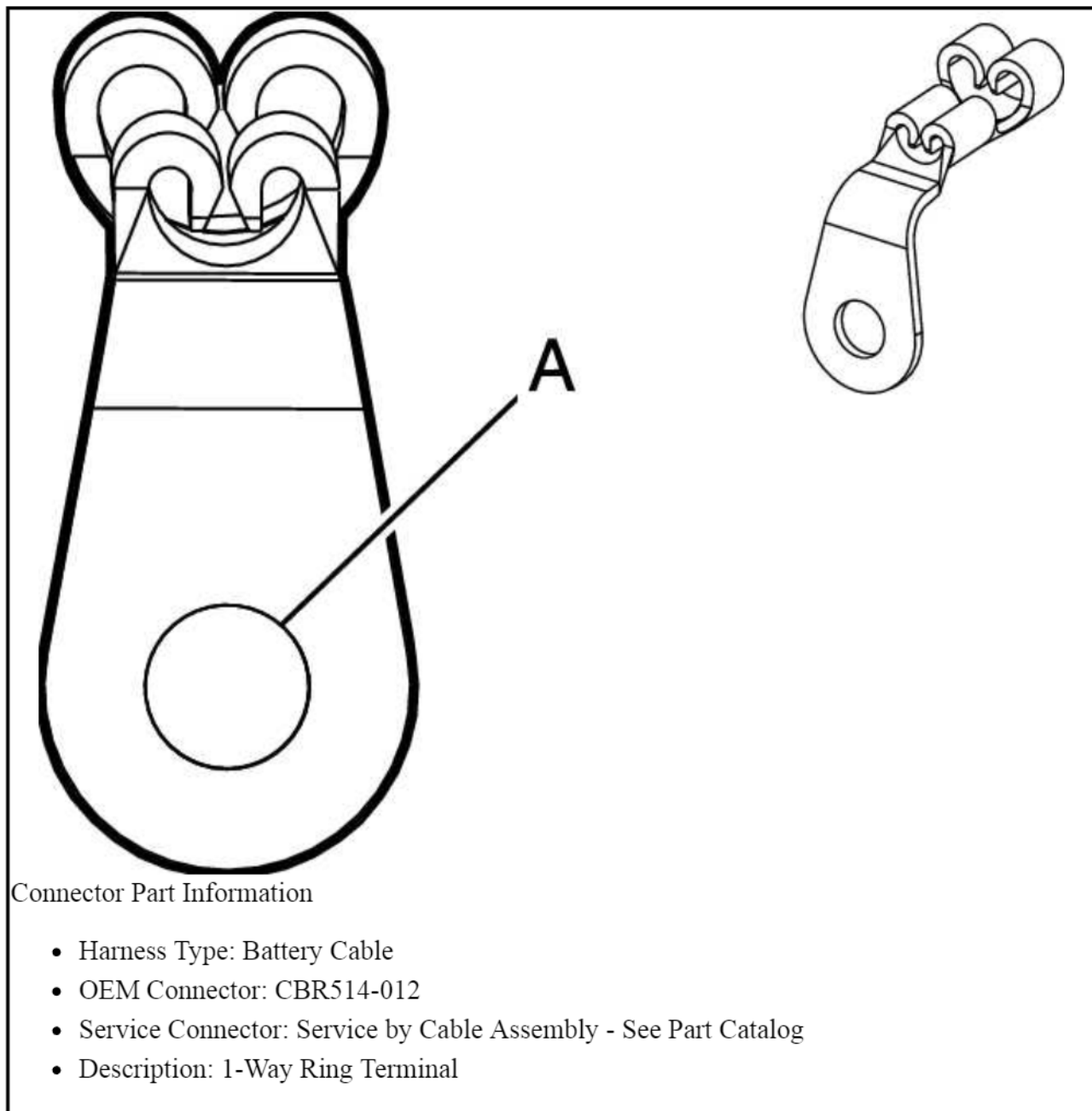
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575835	J-35616-42 (RD)	J-38125-11A	7116-4122-02	Yazaki 10	D	G
II	13575838	J-35616-35 (VT)	J-38125-11A	7116-4111-02	Yazaki 9	C	A
III	13575850	J-35616-2A (GY)	J-38125-11A	Not Available	Not Available	Not Available	Not Available
IV	13578928	J-35616-42 (RD)	J-38125-11A	Not Available	Not Available	Not Available	Not Available

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5	VT/BU	5290	Powertrain Main Relay Fused Supply 1	III	-
2	-	-	-	Not Occupied	-	-
3	0.5	VT/BU	5292	Powertrain Main Relay Fused Supply 3	III	-
4 - 7	-	-	-	Not Occupied	-	-
8	2.5	RD/GY	642	Battery Positive Voltage	IV	-
9	4	RD/BU	302	Battery Positive Voltage	I	-
10 - 11	-	-	-	Not Occupied	-	-
12	0.5	VT/GY	1439	Run/Crank Ignition 1 Voltage	III	-
13	0.5	RD/WH	3440	Battery Positive Voltage	III	-
14	0.5	RD/WH	140	Battery Positive Voltage	III	-
15 - 20	-	-	-	Not Occupied	-	-
21	1	RD/BU	3240	Battery Positive Voltage	II	-
22	0.5	VT/WH	1539	Run/Crank Ignition 1 Voltage	III	-
23	0.5	RD/YE	740	Battery Positive Voltage	III	-
24	0.5	RD/WH	2740	Battery Positive Voltage	III	-
25	0.5	VT/GY	139	Run/Crank Ignition 1 Voltage	III	-
26	0.5	RD/VT	3340	Battery Positive Voltage	III	-
27 - 28	-	-	-	Not Occupied	-	-
29	0.5	RD/GY	3540	Battery Positive Voltage	III	-
30	0.5	YE	5991	Powertrain Relay Coil Control	III	-
31	0.5	RD/GY	2140	Battery Positive Voltage	III	-
32	0.5	VT/BU	5705	Powertrain Main Relay Fused Control 6	III	-
33	0.5	VT/BU	5293	Powertrain Main Relay Fused Supply 4	III	-
34 - 36	-	-	-	Not Occupied	-	-
37	0.5	BN/WH	419	Check Engine Indicator Control	III	-
38 - 44	-	-	-	Not Occupied	-	-
45	0.5	VT/WH	1139	Run/Crank Ignition 1 Voltage	III	-
46 - 50	-	-	-	Not Occupied	-	-

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
51	0.5	BU/WH	3977	Accessory Wakeup Serial Data 2	III	-
52 - 54	-	-	-	Not Occupied	-	-

X50A FUSE BLOCK - UNDERHOOD X5



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/WH	4042	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY TOP VIEW

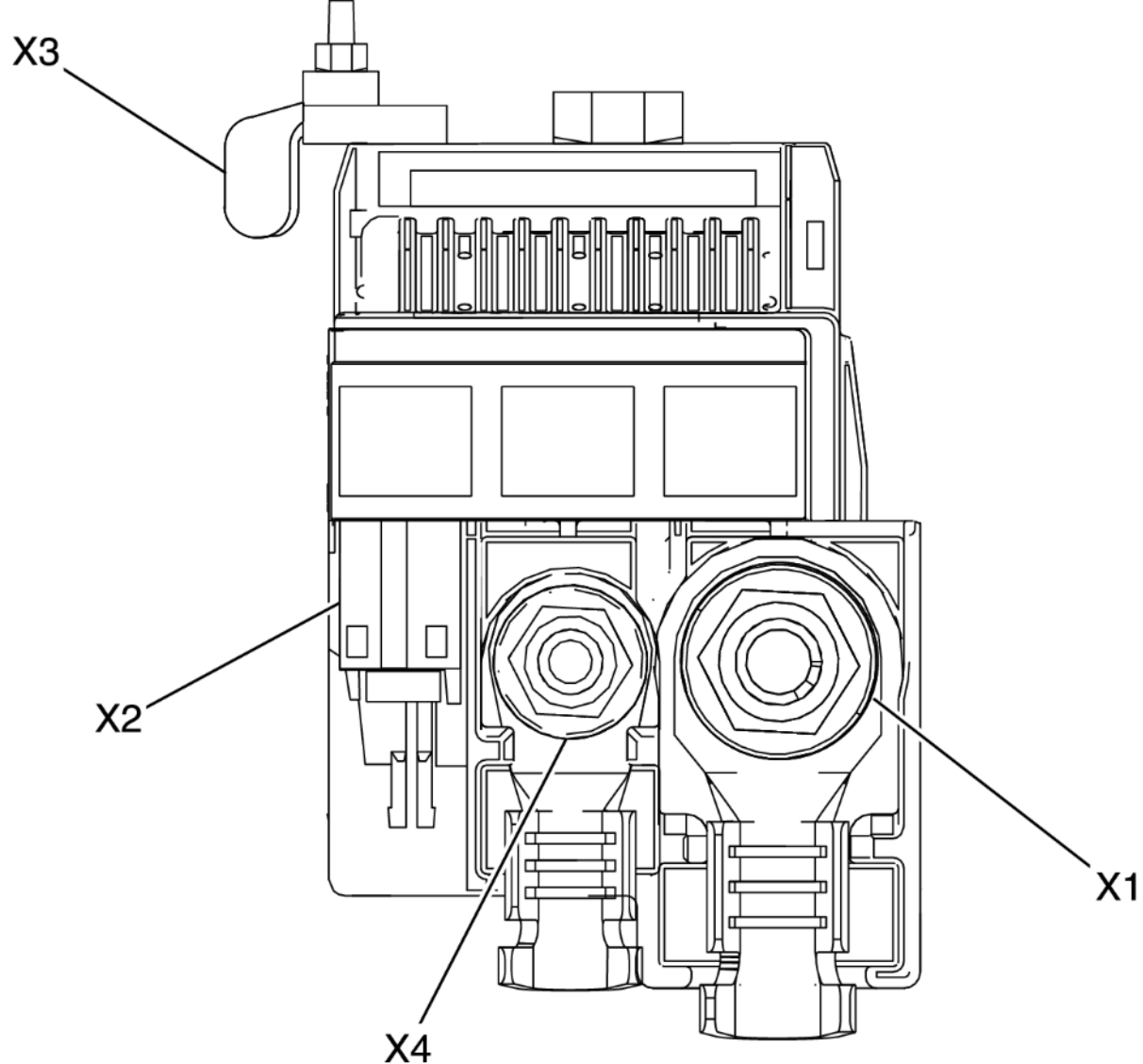


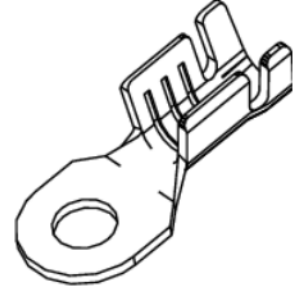
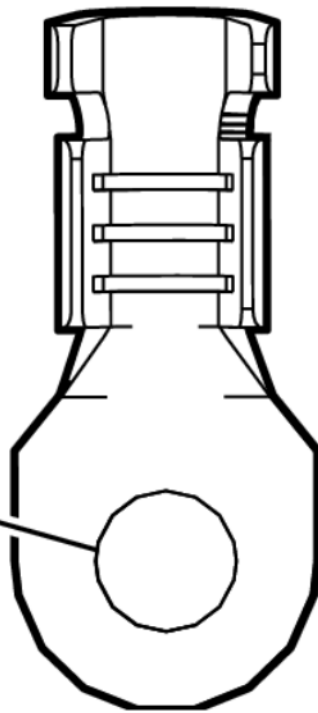
Fig. 4: X50D Fuse Block - Battery Top View
 Courtesy of GENERAL MOTORS COMPANY

X50D FUSE BLOCK - BATTERY FUSE IDENTIFICATION

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	APM	F1BA	200A	• APM Fuse
2	UEC	F2BA	160A	• X51 Fuse Block - Underhood
3	REC	F3BA	100A	• X51 Fuse Block - Instrument Pane
4	EPS	F4BA	80A	• K43 Power Steering Control Module

X50D FUSE BLOCK - BATTERY X1

A



Connector Part Information

- Harness Type: Battery Cable
- OEM Connector: CBR742-012
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

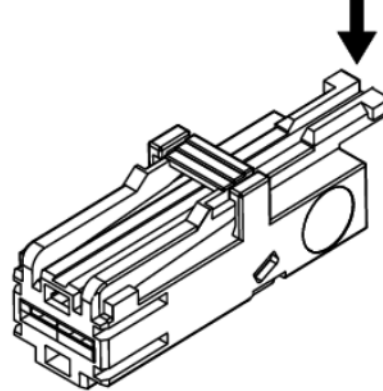
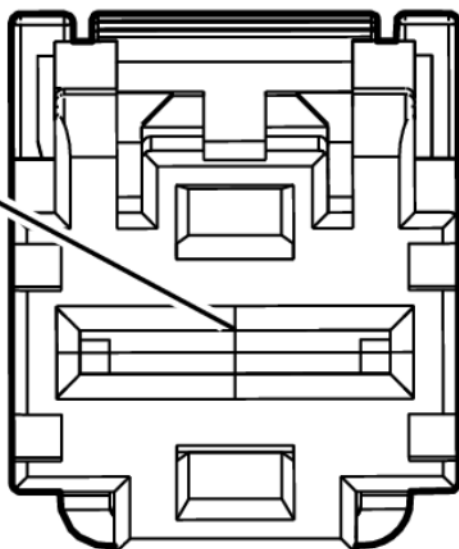
Terminal Part Information

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/WH	4042	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X2

A



Connector Part Information

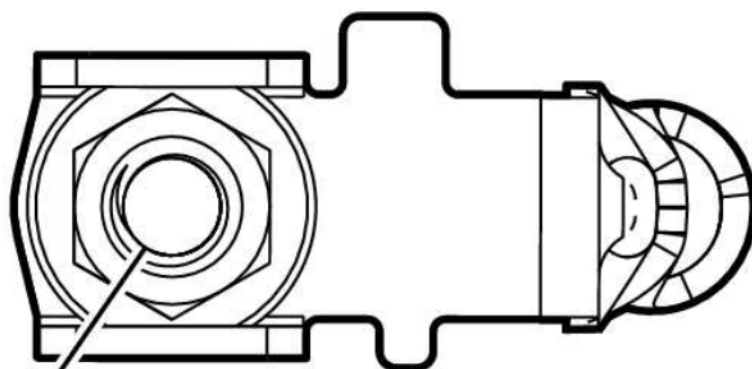
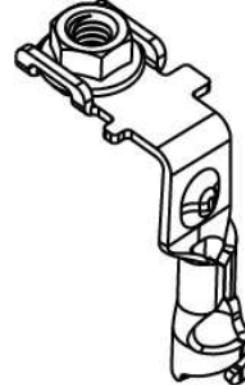
- Harness Type: Body
- OEM Connector: 1718446-1
- Service Connector: Service by Harness - See Part Catalog
- Description: 1-Way F 8.0 Timer (BK)

Terminal Part Information

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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
A	8	RD/GN	40	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X3



A

Connector Part Information

- Harness Type: Body
- OEM Connector: 13869290
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

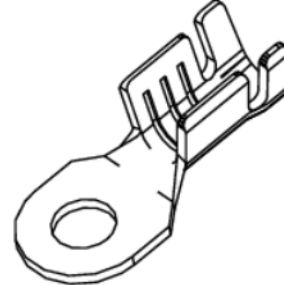
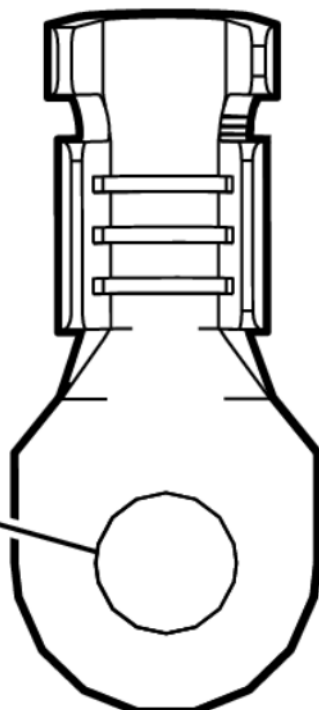
Terminal Part Information

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	8	RD/BU	42	Battery Positive Voltage	I	-

X50D FUSE BLOCK - BATTERY X4

A



Connector Part Information

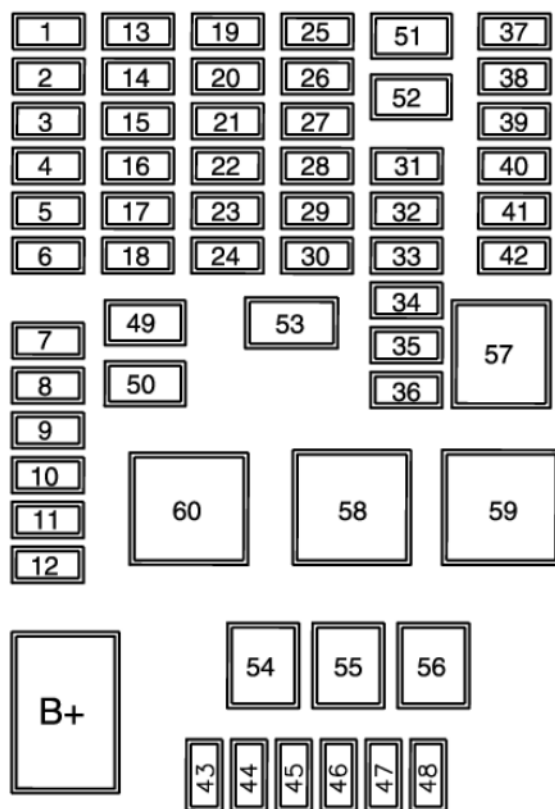
- Harness Type: Battery Cable
- OEM Connector: CBR742-012
- Service Connector: Service by Cable Assembly - See Part Catalog
- Description: 1-Way Ring Terminal

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/YE	2	Battery Positive Voltage	I	-

X51A FUSE BLOCK - INSTRUMENT PANEL LABEL



(LP MINI FUSE)

49.AUX JACK(2A)

50.SWC(2A)

51.SWC BKLT(2A)

52.SMRF(2A)

(CKT BRKR)

53.APO(15A)

(J-CASE FUSE)

54.PROVISION

55.LOGISTIC (30A)

56.PROVISION_ACCY(30A)

(280 SS MICRO RLY)

57.PROVISION

(MICRO LATCHING RLY)

58.LOGISTICS RLY

(630 HC MICRO RLY)

59.PROVISION

(280 HC MICRO RLY)

60.ACC/RAP RLY



(MICRO2 FUSE)

1.VPM (10A)

2.ILSS (10A)

3.SBZA (10A)

4.PEPS 1 (10A)

5.CGM (20A)

6.BCM4 (15A)

7.BCM 3 (15A)

8.BCM 2 (15A)

9.BCM 1 (15A)

10.TIM1 (10A)

11.AMP (25A)

12.BCM 8 (30A)

13.DLC1 (10A)

14.APA (10A)

15.DLC 2 (10A)

16.SPIM 1 (15A)

17.BCM6 (15A)

18.BCM5 (15A)

19.PROVISION

20.PROVISION

21.PROVISION

22.PROVISION_ACCY (5A)

23.USB (5A)

24.WCM (5A)

25.RLAD (5A)

26.HSW (7.5A)

27.PROVISION

28.IPC2 (7.5A)

29.TIM2 (10A)

30.HLLD (10A)

31.ONSTAR (10A)

32.PROVISION

33.HVAC MDL (10A)

34.PROVISION

35.IPC1 (10A)

36.RDO (15A)

37.PROVISION

38.PROVISION

39.PROVISION

40.PROVISION

41.PROVISION

42.PROVISION

43.BCM7 (15A)

44.SDM (10A)

45.FCM (10A)

46.VICM (10A)

47.SPIM2 (10A)

48.ESCL (10A)

Fig. 5: X51A Fuse Block - Instrument Panel Label

Courtesy of GENERAL MOTORS COMPANY

X51A FUSE BLOCK - INSTRUMENT PANEL TOP VIEW

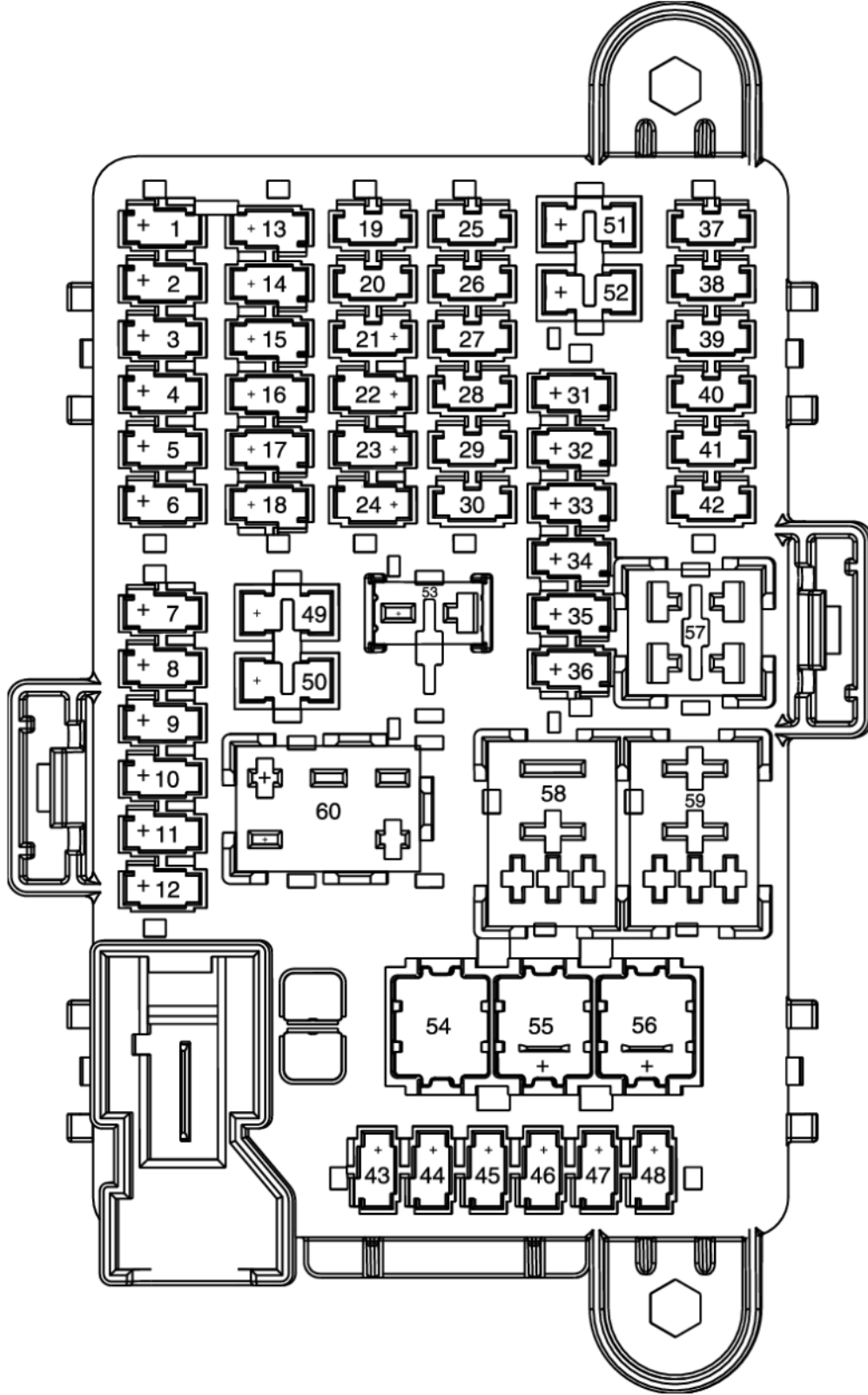


Fig. 6: X51A Fuse Block - Instrument Panel Top View

Courtesy of GENERAL MOTORS COMPANY

**X51A FUSE BLOCK - INSTRUMENT PANEL FUSE AND RELAY IDENTIFICATION
LEGEND**

No.	Device Label Name	Device Assigned Name	Rating	Description
1	VPM	F1DA	10A	K157 Video Processing Control Module (UVH)
2	ILSS	F2DA	10A	B10B Ambient Light/ Sunload Sensor

No.	Device Label Name	Device Assigned Name	Rating	Description
3	SBZA	F3DA	10A	- B94L Side Object Sensor - Left (UKH) - B94R Side Object Sensor - Right (UKH)
4	PEPS	F4DA	10A	K84 Keyless Entry Control Module
5	CGM	F5DA	20A	K56 Serial Data Gateway Module
6	BCM4	F6DA	15A	K9 Body Control Module
7	BCM3	F7DA	15A	K9 Body Control Module
8	BCM2	F8DA	15A	K9 Body Control Module
9	BCM1	F9DA	15A	K9 Body Control Module
10	TIM1	F10DA	10A	K101 Trailer Interface Control Module
11	AMP	F11DA	25A	T3 Audio Amplifier (AMP)
12	BCM8	F12DA	30A	K9 Body Control Module
13	DLC1	F13DA	10A	X84 Data Link Connector
14	APA	F14DA	10A	K182 Parking Assist Control Module (UD5/UD7/UFQ)
15	DLC2	F15DA	10A	X84B Auxiliary Data Connector
16	SPIM1	F16DA	15A	T6 Power Inverter Module
17	BCM6	F17DA	15A	K9 Body Control Module
18	BCM5	F18DA	15A	K9 Body Control Module
19	PROVISION	F19DA	-	Not Used

No.	Device Label Name	Device Assigned Name	Rating	Description
20	PROVISION	F20DA	-	• Not Used
21	PROVISION	F21DA	-	• Not Used
22	PROVISION_ACCY	F22DA	5A	• Not Used
23	USB	F23DA	5A	• X92 USB Receptacle
24	WCM	F24DA	5A	• T22 Mobile Device Wireless Charger Module (K4C)
25	RLAD	F25DA	5A	• P43 Collision Alert Indicators (UEU/UHX/UHY)
26	HSW	F26DA	7.5A	• K32 Steering Wheel Heating Control Module
27	PROVISION	F27DA	-	• Not Used
28	IPC2	F28DA	7.5A	• P16 Instrument Cluster
29	TIM2	F29DA	10A	• K101 Trailer Interface Control Module
30	HLLD	F30DA	10A	• S30 Headlamp Switch (TR6)
31	ONSTAR	F31DA	10A	• K73 Telematics Communication Interface Control Module (UE1)
32	PROVISION	F32DA	-	• Not Used
33	HAVC MDL	F33DA	10A	• K33 HVAC Control Module
34	PROVISION	F34DA	-	• Not Used
35	IPC1	F35DA	10A	• P16 Instrument Cluster
36	RDO	F36DA	15A	• A11 Radio
37	PROVISION	F37DA	-	• Not Used

No.	Device Label Name	Device Assigned Name	Rating	Description
38	PROVISION	F38DA	-	• Not Used
39	PROVISION	F39DA	-	• Not Used
40	PROVISION	F40DA	-	• Not Used
41	PROVISION	F41DA	-	• Not Used
42	PROVISION	F42DA	-	• Not Used
43	BCM7	F43DA	15A	• K9 Body Control Module
44	SDM	F44DA	10A	• K36 Inflatable Restraint Sensing and Diagnostic Module
45	FCM	F45DA	10A	• B174W Frontview Camera - Windshield (UEU/UHX/UHY)
46	VICM	F46DA	10A	• K114B Hybrid/EV Powertrain Control Module 2
47	SPIM2	F47DA	10A	• T6 Power Inverter Module
48	ESCL	F48DA	10A	• K60 Steering Column Lock Module (N06)
49	AUX JACK	F49DA	2A	• X83 Auxiliary Audio Input
50	SWC	F50DA	2A	• S70R Steering Wheel Controls Switch - Right
51	SWC BKLT	F51DA	2A	• S70E Steering Wheel Controls Switch - Radio Presets
52	SMRF	F52DA	2A	• K183 Short Range Remote Control Transceiver
53	APO	F53DA	15A	• X80 Accessory Power Receptacle
54	PROVISION	F54DA	-	• Not Used

No.	Device Label Name	Device Assigned Name	Rating	Description
55	LOGISTIC	F55DA	30A	• KR104A Battery Saver Relay 1
56	PROVISION_ACCY	F56DA	30A	• Not Used
Ã,Ã	Ã,Ã	Ã,Ã	Ã,Ã	Ã,Ã
Relays				
57	PROVISION	-	-	• -
58	LOGIC MODE RELAY	KR104A Battery Saver Relay 1	-	• F31DA • F32DA • F33DA • F34DA • F35DA • F36DA • F52DA
59	PROVISION	-	-	• -
60	ACC/RAP/RLY	KR76 Retained Accessory Power Relay	-	• F22DA • F23DA • F24DA • F53DA

X51A FUSE BLOCK - INSTRUMENT PANEL X0

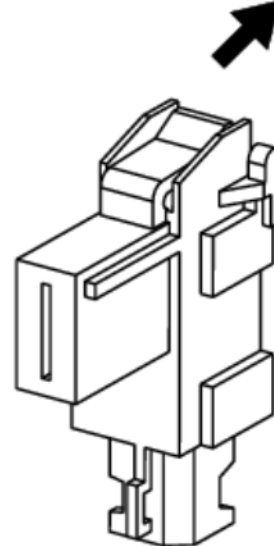
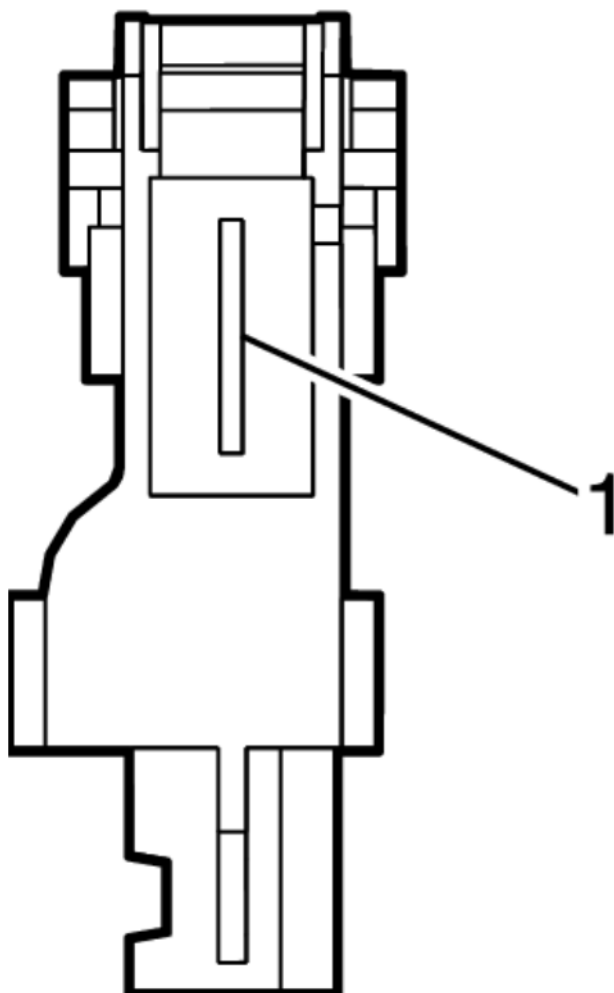
- Connector Part Information • Harness Type: Instrument Panel • OEM Connector: 7171-1068-30 • Service Connector: Service by Component Assembly - See Part Catalog • Description: -Way Wire Entry Fuse Block							
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Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
I	13575838	J-35616-35 (VT)	J-38125-11A	Not Required	Not Required	Not Required	Not Required
II	13575839	J-35616-35 (VT)	J-38125-11A	Not Required	Not Required	Not Required	Not Required
III	13578858	J-35616-4A (PU)	J-38125-36	Not Required	Not Required	Not Required	Not Required
IV	13578860	J-35616-4A (PU)	J-38125-36	Not Required	Not Required	Not Required	Not Required

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray Name	Core Crimp	Insulation Crimp
V	13579921	J-35616-40 (BU)	J-38125-556	Not Required	Not Required	Not Required	Not Required
VI	19354836	J-35616-19 (BK)	J-38125-560	Not Required	Not Required	Not Required	Not Required

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
2	0.75	RD/VT	4640	Battery Positive Voltage	I	-
3	0.35	RD/GN	6140	Battery Positive Voltage	I	-
4	0.35	RD/GY	6240	Battery Positive Voltage	I	-
5	0.75	RD/BU	5240	Battery Positive Voltage	I	-
6	0.5	RD/YE	240	Battery Positive Voltage	I	-
7	0.35	RD/GN	5140	Battery Positive Voltage	I	N06
18	2.5	RD/VT	7140	Battery Positive Voltage	VI	-
21	0.5	BK	1250	Ground	III	-
22	0.5	GY/GN	4083	RAP Relay 2 Coil Control	III	-
25	0.35	GY/VT	3264	Logistic Mode Relay Close Control	III	-
26	0.35	BK	1250	Ground	III	-
27	0.35	VT/BU	3263	Logistic Mode Relay Open Control	III	-
28	2.5	RD/VT	7140	Battery Positive Voltage	V	-
35	2	RD/WH	4740	Battery Positive Voltage	II	-
36	2	RD/VT	5640	Battery Positive Voltage	II	UQA
37	1	RD/GY	5540	Battery Positive Voltage	I	-
38	0.75	RD/VT	4040	Battery Positive Voltage	I	-
39	0.75	RD/GY	4140	Battery Positive Voltage	I	-
40	0.75	RD/BN	4240	Battery Positive Voltage	I	-
47	0.75	RD/YE	4340	Battery Positive Voltage	I	-
48	0.75	GN/YE	6840	Auxiliary Device 2 Switched Voltage	I	-
49	0.35	RD/WH	5740	Battery Positive Voltage	I	-
50	0.35	RD/YE	5840	Battery Positive Voltage	I	-
51	0.35	RD/BU	6740	Battery Positive Voltage	I	-
52	0.35	BK/BU	7340	Camshaft W 2 Low Reference	I	UVH
60	0.35	RD/YE	5040	Battery Positive Voltage	III	-
62	0.35	RD/GN	6940	Battery Positive Voltage	III	-
69	0.75	RD/GN	4440	Battery Positive Voltage	I	-
70	0.75	RD/BU	4540	Battery Positive Voltage	I	-
71	0.5	RD/VT	340	Battery Positive Voltage	I	-
72	0.5	RD/BN	4940	Battery Positive Voltage	I	-
73	0.35	RD/WH	5440	Battery Positive Voltage	I	UD5/UD7/UFQ
74	0.35	RD/GY	4840	Battery Positive Voltage	I	-
78	1	VT	1701	Retained Accessory Power Ignition	IV	-
79	0.35	VT	4601	Retained Accessory Power Fused Control	I	K4C
80	0.35	VT	2801	Retained Accessory Power Fuse Ignition	I	-
91	2	VT/GN	39	Run/Crank Ignition 1 Voltage	II	-



Connector Part Information

- Harness Type: Instrument Panel
- OEM Connector: 21083000001
- Service Connector: Service by Harness - See Part Catalog
- Description: 1-Way F 120 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

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	8	RD/BU	42	Battery Positive Voltage	I	-