

ELECTRICAL

Wiring Systems and Power Management - Component Locator - Electrical Center Identification Views - Coupe And Wagon

ELECTRICAL CENTER IDENTIFICATION VIEWS

X50A FUSE BLOCK - UNDERHOOD BOTTOM VIEW

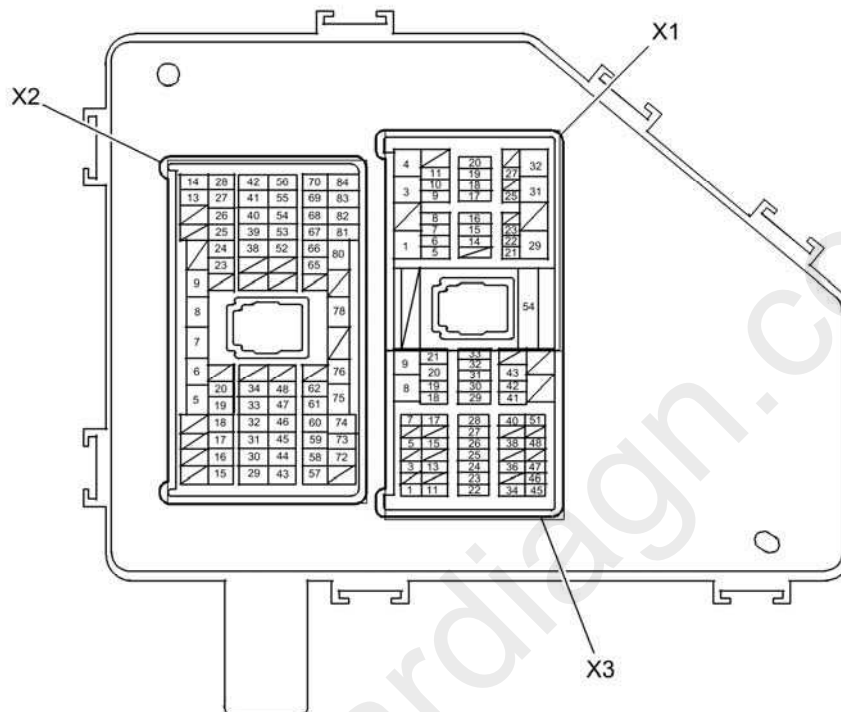


Fig. 1: Fuse Block - Underhood Bottom View
Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD FUSE AND RELAY LABEL (EXCEPT NORTH AMERICA)

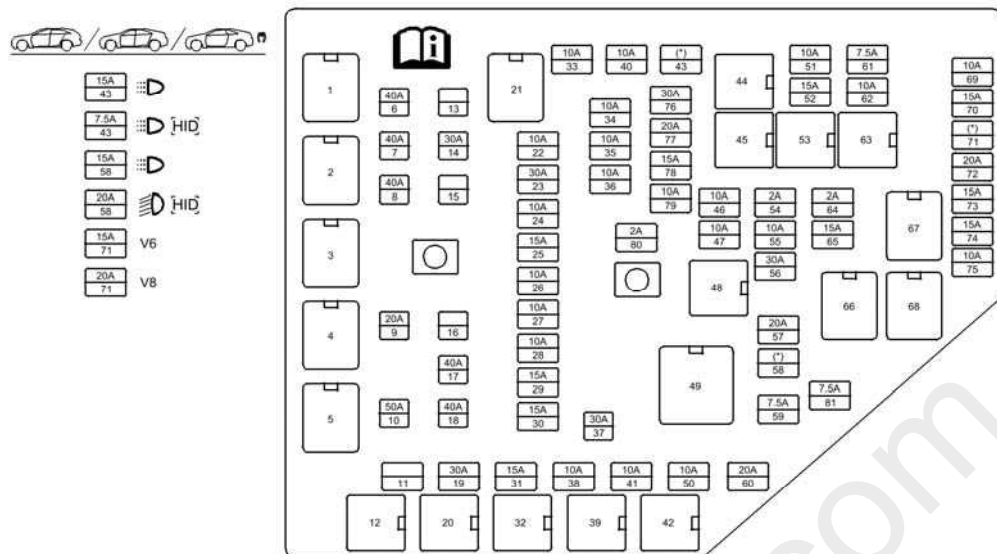


Fig. 2: Fuse Block -- Underhood Label (except North America)
 Courtesy of GENERAL MOTORS COMPANY

X50A FUSE BLOCK - UNDERHOOD FUSE AND RELAY LABEL (NORTH AMERICA)

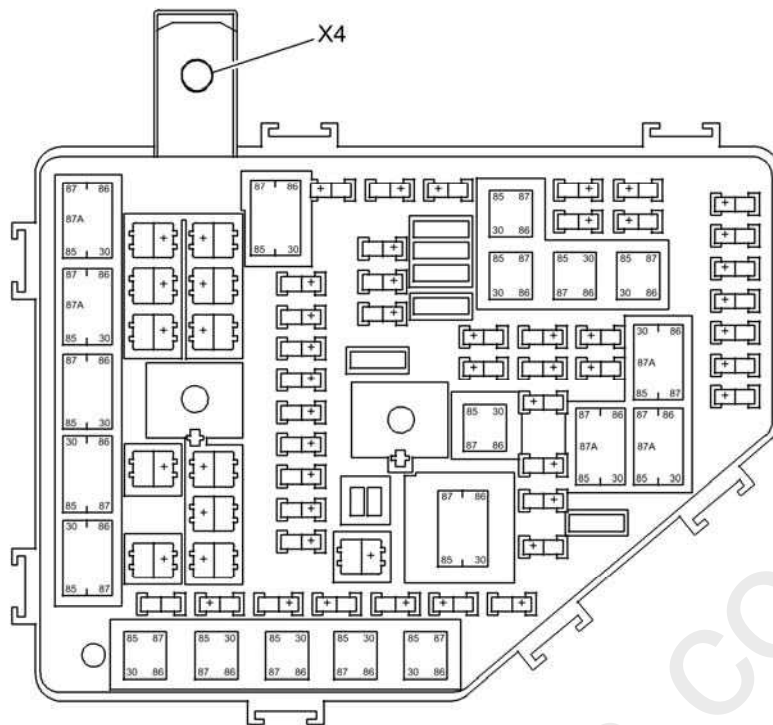


Fig. 4: Fuse Block - Underhood Top View
 Courtesy of GENERAL MOTORS COMPANY

Fuse Block - Underhood Usage (North America)

No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
-	A/C Fuse	-	10A	KR29 A/C Compressor Clutch Relay
-	ABS Fuse	-	30A	K17 Electronic Brake Control Module
-	ABS MTR Fuse	-	50A	K17 Electronic Brake Control Module
-	AFS Fuse	-	15A	K26 Headlamp Control Module
-	AIRBAG IGN Fuse	-	10A	K36 Inflatable Restraint Sensing and Diagnostic Module, P16 Instrument Cluster
-	AQS/ISRVM/REAR CAMERA Fuse	-	7.5A	B108 Air Quality Sensor, A10 Inside Rearview Mirror
-	AWD Fuse	-	15A	K69 Transfer Case Control Module
-	BCM 1 Fuse	-	10A	K9 Body Control Module
-	BCM 2 Fuse	-	10A	K9 Body Control Module
-	BCM 3 Fuse	-	10A	K9 Body Control Module
-	BCM 4 Fuse	-	10A	K9 Body Control Module
-	BCM 5 Fuse	-	10A	K9 Body Control Module
-	BCM 6, BCM 7 Fuse	-	10A	K9 Body Control Module

-	BLWR Fuse	-	40A	K8 Blower Motor Control Module
-	BRK VAC PUMP	-	20A	KR14 Brake Booster Pump Motor Relay
-	DISPLY Fuse	-	10A	P16 Instrument Cluster
-	DRL/ LT LO BEAM Fuse	-	15A 20A	LO BEAM/LT DRL Fuse (Standard Halogen Headlamps) T7L Headlamp Ballast - Left
-	ECM/ODD COILS Fuse	-	20A	K20 Engine Control Module (LFW or LFX) Q17A Fuel Injector 1, Q17C Fuel Injector 3, Q17E Fuel Injector 5, Q17G Fuel Injector 7, T8A Ignition Coil 1, T8C Ignition Coil 3, T8E Ignition Coil 5, T8G Ignition Coil 7 (LSA)
-	ECM/TCM IGN Fuse	-	15A	K20 Engine Control Module, T12 Automatic Transmission Assembly, K69 Transfer Case Control Module, B75B Mass Air Flow/Intake Air Temperature Sensor
-	EMIS 1 Fuse	-	15A	B52A Heated Oxygen Sensor 1, B52B Heated Oxygen Sensor 2, Q12 Evaporative Emission Purge Solenoid Valve, Q22 Intake Manifold Tuning Solenoid Valve, Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake, Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake, Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust, Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust
-	EMIS 2 Fuse	-	15A	B52D Heated Oxygen Sensor - Bank 1 Sensor 2, B52F Heated Oxygen Sensor - Bank 2 Sensor 2, B115 Vehicle Speed Sensor
-	EPB Fuse	-	30A	K83 Parking Brake Control Module
-	EVEN COILS Fuse	-	15A 20A	Q17B Fuel Injector 2, Q17D Fuel Injector 4, Q17F Fuel Injector 6, Q17H Fuel Injector 8, T8B Ignition Coil 2, T8D Ignition Coil 4, T8F Ignition Coil 6, T8H Ignition Coil 8 (LFW/LFX) Q17B Fuel Injector 2, Q17D Fuel Injector 4, Q17F Fuel Injector 6, Q17H Fuel Injector 8, T8B Ignition Coil 2, T8D Ignition Coil 4, T8F Ignition Coil 6, T8H Ignition Coil 8 (LSA)
-	FAN 1 Fuse	-	40A	FAN 1 Relay
-	FAN 2 Fuse	-	40A	FAN 2 Relay
				E29LF Fog Lamp - Left Front, E29RF Fog

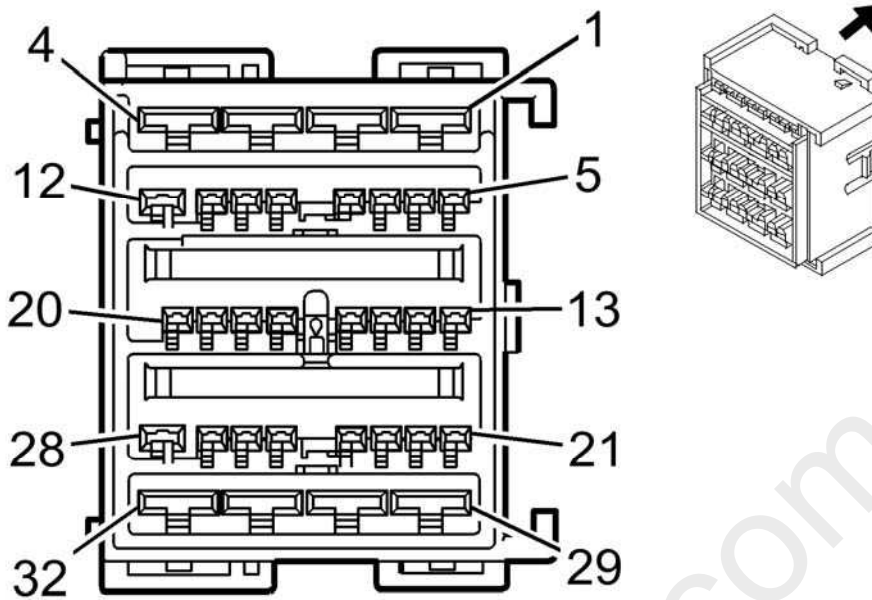
-	FRT FOG Fuse	-	15A	Lamp - Right Front
-	HDLP WASH Fuse	-	10A	HEAD LAMP WASH Relay
-	HORN Fuse	-	15A	HORN Relay
-	I/P APO Fuse	-	20A	I/P APO Relay
-	INCLR Fuse	-	10A	M10 Charge Air Cooler Coolant Pump
-	LO BEAM DRL/LT DRL Fuse	-	15A 7.5A	LT LO BEAM Fuse, RT LO BEAM Fuse (Standard Halogen Headlamps) E4C Daytime Running Lamp - Left (T4F)
-	LT HI BEAM Fuse	-	10A	E4E Headlamp - Left High Beam (Standard Halogen Headlights) M28L High Beam Solenoid Actuator - Left (T4F)
-	LT LO BEAM Fuse	-	10A	E4G Headlamp - Left Low Beam
-	MISC IGN Fuse	-	10A	K65 Tire Pressure Indicator Module
-	MR TD Fuse	-	30A	K19 Suspension Control Module
-	NAV MTR Fuse	-	10A	A20 Radio/HVAC Controls
-	ODD COILS/ECM Fuse	-	15A	Q17A Fuel Injector 1, Q17C Fuel Injector 3, Q17E Fuel Injector 5, T8A Ignition Coil 1, T8C Ignition Coil 3, T8E Ignition Coil 5 (LFW or LFX) K20 Engine Control Module (LSA)
-	PWR MODING Fuse	-	2A	S39 Ignition Switch, K64 Content Theft Deterrent Control Module
-	REAR DEFOG Fuse	-	40A	REAR DEFOG Relay
-	RT DRL Fuse	-	7.5A	E4D Daytime Running Lamp - Right (T4F)
-	RT DRL/WSW Fuse	-	10A	RT DRL Relay (T4F), WSW Relay
-	RT HI BEAM Fuse	-	10A	E4F Headlamp - Right High Beam (Standard Halogen Headlamps) M28R Headlamp - Right High Beam Solenoid Actuator (T4F)
-	RT LO BEAM Fuse	-	10A	E4H Headlamp - Right Low Beam (Standard Halogen Headlamps)
-	RT LO BEAM Fuse	-	20A	T7R Headlamp Ballast - Right (T4F)
-	SERVICE Fuse	-	2A, 7.5A, 10A, 15A, 20A, 30A	Not Used
-	SPARE Fuse	-	-	Not Used
-	S/ROOF Fuse	-	30A	K61 Sunroof Control Module, K80 Sunroof Sunshade Module
-	STR/WHL/CNTRL Fuse	-	2A	X85 Steering Wheel Air Bag Coil
-	STRTR Fuse	-	40A	M64 Starter Motor
-	TCM BATT Fuse	-	15A	T12 Automatic Transmission Assembly
				KR12 Brake Booster Pump Motor Relay

-	TOSS/BRK VAC RLY Fuse	-	10A	(LFW or LFX), B115 Vehicle Speed Sensor (MV7 or MG9)
-	WPR Fuse	-	30A	WPR HI Relay, WPR Relay
Relays				
-	A/C CMPSR Relay	KR29 A/C Compressor Clutch Relay	-	Q2 A/C Compressor Clutch
-	DRL (W/O HID) Relay	KR42 Daytime Running Lamps Relay	-	DRL/LT LO BEAM Fuse (without T4F)
-	LO BEAM (HID) Relay	KR49 Headlamp Low Beam Relay	-	RT LO BEAM 20A Fuse (T4F)
-	FAN 1 Relay (LSA)	KR20K Cooling Fan Right High Speed Relay	-	G10R Cooling Fan Motor - Right
-	FAN 1 Relay (LFW or LFX)	KR20C Cooling Fan Low Speed Relay	-	R10 Cooling Fan Resistor
-	FAN 2 Relay (LSA)	KR20J Cooling Fan Left High Speed Relay	-	G10L Cooling Fan Motor - Left
-	FAN 2 Relay (LFW or LFX)	KR20P Cooling Fan Medium Speed Relay	-	R10 Cooling Fan Resistor
-	FAN S/P Relay (LSA)	KR20E Cooling Fan Speed Control Relay	-	G10R Cooling Fan Motor - Right
-	FAN S/P Relay (LFW or LFX)	KR20D Cooling Fan High Speed Relay	-	R10 Cooling Fan Resistor
-	FRT FOG Relay	KR46 Front Fog Lamp Relay	-	FRT FOG Fuse
-	HDLP WASH Relay	KR2 Headlamp Washer Pump Relay	-	G16 Headlamp Washer Pump
-	HI BEAM Relay	KR48 Headlamp High Beam Relay	-	LT HI BEAM Fuse, RT HI BEAM Fuse
-	HORN Relay	KR3 Horn Relay	-	P12 Horn
-	IGN MAIN Relay	KR73 Ignition Main Relay	-	MISC IGN Fuse, TRANS Fuse, IGN Fuse
-	I/P APO Relay	KR80 Accessory Relay	-	E32F Cigarette Lighter Receptacle - Front
-	LO BEAM (W/O HID) Relay	KR49 Headlamp Low Beam Relay	-	LT LO BEAM Fuse, RT LO BEAM Fuse (without T4F)

-	LT DRL (HID) Relay	KR42L Daytime Running Lamp Relay - Left	-	LO BEAM DRL/LT DRL Fuse (T4F)
-	PWR/TRN Relay	KR75 Engine Controls Ignition Relay	-	EMIS 1 Fuse, EMIS 2 Fuse, ECM Fuse, EVEN COILS Fuse, ODD COILS Fuse
-	REAR DEFOG Relay	KR5 Rear Defogger Relay	-	E18 Rear Defogger Grid
-	RT DRL Relay	KR42R Daytime Running Lamp Relay - Right	-	RT DRL Fuse (T4F)
-	SPARE Relay	KR150 Relay - Spare	-	Not Used
-	STRTR Relay	KR27 Starter Relay	-	M64 Starter Motor
-	WPR Relay	KR12B Windshield Wiper Relay	-	WPR HI Relay
-	WPR HI Relay	KR12C Windshield Wiper Speed Control Relay	-	M75 Windshield Wiper Motor
-	WSW Relay	KR11 Windshield Washer Pump Relay	-	G24 Windshield Washer Pump

X50A FUSE BLOCK - UNDERHOOD X1





Connector Part Information

- Harness Type: Forward Lamp
- 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	Core Crimp	Insulation Crimp
I	13575835	J-35616-42 (RD)	J-38125-11A	7116-4122-02	10	A	B
II	13575850	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C
III	13575850	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A

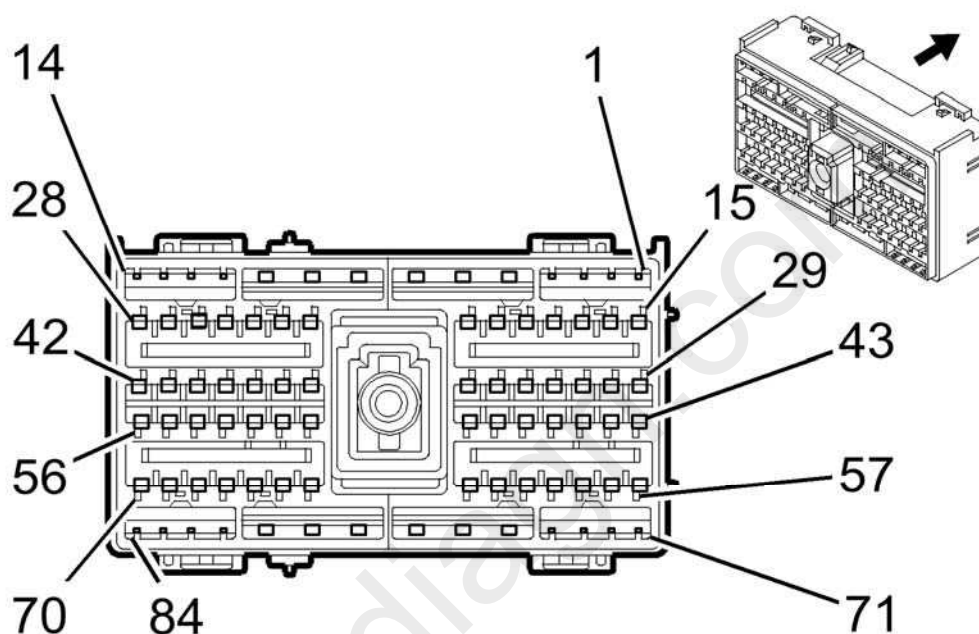
X50A Fuse Block - Underhood X1

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	3	GY	532	Cooling Fan Motor Supply Voltage	I	-
2	-	-	-	Not Occupied	-	-

3	3	GY	532	Cooling Fan Motor Supply Voltage	I	LF1 or LLT
4	3 3	GY BK	532 250	Cooling Fan Motor Supply Voltage Ground	I	LF1 or LLT LSA
5	0.35	L-BU	5986	Serial Data Communication Enable	II	T4F or TR7
6	0.5	OG	2140	Battery Positive Voltage	II	TR7 with T4F
7	0.8	D-GN	1329	Horn Fuse Supply Voltage	III	-
8	0.35 0.35	D-BU/WH D-BU/WH	1315 1315	Right Front Turn Signal Lamp Supply Voltage/Right Turn Signal Indicator Lamp Supply Voltage Right Front Turn Signal Lamp Supply Voltage/Right Turn Signal Indicator Lamp Supply Voltage	II	T90
9	0.35 0.5	D-BU GY	5364 589	Left DRL/Turn Supply Voltage DRL Resistor Supply Voltage	II	T4F without T94 or TB8) without T4F
10	0.35 0.35	L-BU/WH L-BU/WH	1314 1314	Left Front Turn Signal Lamp Supply Voltage/Left Turn Signal Indicator Lamp Supply Voltage Left Front Turn Signal Lamp Supply Voltage/Left Turn Signal Indicator Lamp Supply Voltage	II	T90
11-13	-	-	-	Not Occupied	-	-
14	0.5	TN/WH	312	Right Headlamp Low Beam Supply Voltage	II	without T4F
15	0.5	PU	34	Fog Lamps Supply Voltage 2	II	T3U
16	0.35	D-GN	5365	Right DRL/Turn Supply Voltage	II	T4F without T94 or TB8)
17	0.5	YE	712	Left Headlamp Low Beam Supply Voltage	II	without T4F
18	0.35	L-GN/BK	311	Right Headlamp High Beam Supply Voltage	II	-
19	-	-	-	Not Occupied	-	-
20	0.35	D-GN/WH	711	Left Headlamp High Beam Supply Voltage	II	T4F
21	1	TN/WH	312	Right Headlamp Low Beam Supply Voltage	III	T4F
22	1 0.5	YE GY	712 589	Left Headlamp Low Beam Supply Voltage DRL Resistor Supply Voltage	II III	T4F without T4F and LSA
23	0.5	PU	34	Fog Lamps Supply Voltage 2	II	T3U
24	-	-	-	Not Occupied	-	-
25	0.5	BK	250	Ground	II	-
26-28	-	-	-	Not Occupied	-	-

29	3 3	WH YE	504 5358	Cooling Fan Low Reference Auxiliary Cooling Fan Motor Supply Voltage	I	LSA LF1 or LLT
30-31	-	-	-	Not Occupied	-	-
32	3	L-BU	409	Cooling Fan Motor Supply Voltage	I	-

X50A FUSE BLOCK - UNDERHOOD X2



Connector Part Information

- Harness Type: I/P
- OEM Connector: 7283-9464-3W
- Service Connector: 19153184
- Description: 84-Way F YESC Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool
I	13575835	J-35616-42 (RD)	J-38125-11A
II	13575838	Pins 13, 81 - J-35616-4A (PU)	J-38125-11A
III	13575850	J-35616-2A (GY)	J-38125-11A
IV	13575838	J-35616-35 (VT)	J-38125-11A

V	13575839	J-35616-35 (VT)	J-38125-11A
VI	13575833	J-35616-42 (RD)	J-38125-11A

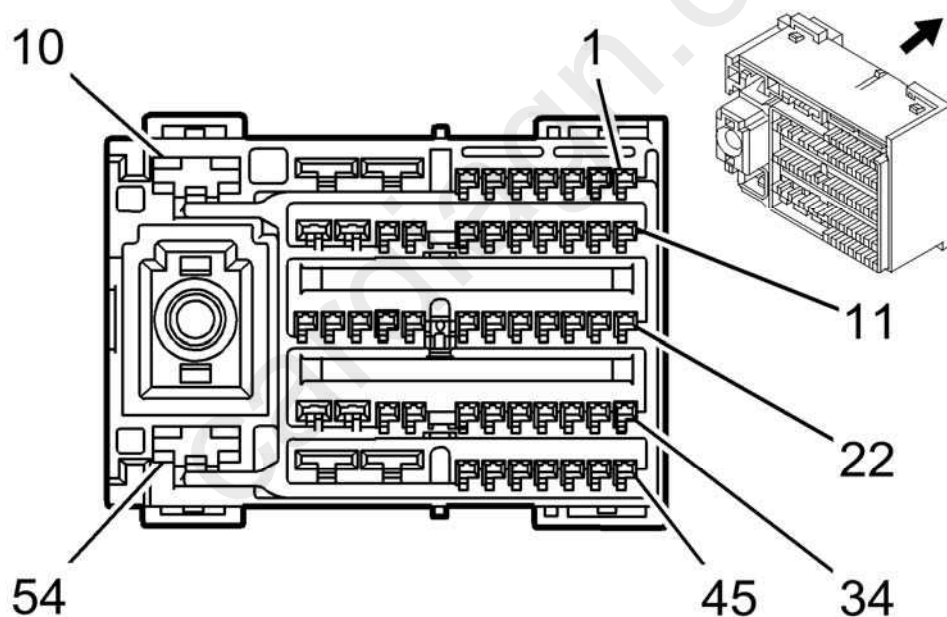
X50A Fuse Block - Underhood X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-4	-	-	-	Not Occupied	-	-
5	3	RD/BK	242	Electric Parking Brake Supply Voltage	I	-
6	-	-	-	Not Occupied	-	-
7	3	RD/BK	642	Battery Positive Voltage	I	-
8	5	PU	293	Rear Defog Element Supply Voltage	I	-
9	3	RD/WH	5340	Battery Positive Voltage	I	F55
10-12	-	-	-	Not Occupied	-	-
13	0.5	OG	228	Windshield Washer Pump Control	II	-
14	1	D-GN	1301	Retained Accessory Power Fuse Supply Voltage	II	-
15	0.5	PK	1739	Battery Positive Voltage	III	-
16	0.5 0.5	PK PK	339 339	Battery Positive Voltage Battery Positive Voltage	III	MX7
17	0.50	PU	1197	Headlamp Washer Pump Control	III	CE4
18	0.35	PK	539	Ignition 1 Voltage	III	WXS
19	0.35	PK	639	Run/Crank Ignition 1 Voltage (U2R or U2S or U2T without UVC, or UAV or U2X or U2Y	III	-
20	0.35	D-BU	5985	Accessory Wakeup Serial Data	III	-
21-22	-	-	-	Not Occupied	-	-
23	0.35	PK	539	Ignition 1 Voltage	III	UA2 or KB6
24	0.35	RD/WH	1940	Battery Positive Voltage	III	-
25	-	-	-	Not Occupied	-	-
26	0.35	D-GN	801	Retained Accessory Power Fuse Supply Voltage	III	-
27	0.35 0.35	D-BU D-GN	545 319	DRL Supply Voltage Right Trailer Turn Signal Relay Control	III	T4F without T94 or TB8 V2S
28	1	YE	5187	Right Trailer Turn Signal Lamp	III	V2S
29	0.35 0.35 0.35	PU PK/WH YE	544 1970 318	Headlamp Low Beam Supply Voltage Headlamp Low Beam Relay Control Left Trailer Turn Signal Relay Control	III	T4F without T94 or TB8 without T4F V2S
30	0.35	OG	2268	Windshield Washer Relay Control	III	-
31	0.8	RD/WH	1840	Battery Positive Voltage	III	-

32	0.35	L-BU	5986	Serial Data Communication Enable	III	-
33	-	-	-	Not Occupied	-	-
34	0.35	TN	860	Front Windshield Wiper Switch High Signal	III	-
35-37	-	-	-	Not Occupied	-	-
38	0.35	WH	2282	Headlamp Washer Relay Control	III	CE4
39	1	OG	5186	Left Trailer Turn Signal Lamp	III	V2S
40	0.35	RD/WH	540	Battery Positive Voltage	III	-
41	0.35	WH	193	Rear Defog Relay Control	III	-
42	-	-	-	Not Occupied	-	-
43	0.35	WH	17	Stop Lamp Supply Voltage	III	-
44	0.35	PK	139	Ignition 1 Voltage	III	-
45	0.35	D-GN/WH	1317	Fog Lamp Relay Control	III	T3U
46	1	BK	650	Ground	III	LSA
47	0.35	YE	6817	LED Backlight Dimming Control	III	-
48	0.35	GY	91	Windshield Wiper Switch Signal 2	III	-
49-51	-	-	-	Not Occupied	-	-
52	0.35	TN/WH	1969	Headlamp Relay Control	III	-
53	-	-	-	Not Occupied	-	-
54	0.8	L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage	III	-
55-56	-	-	-	Not Occupied	-	-
57	0.35 0.35	RD/WH RD/WH	540 540	Battery Positive Voltage Battery Positive Voltage	III	-
58	0.8	RD/WH	1140	Battery Positive Voltage	III	-
59	0.35	PK	639	Run/Crank Ignition 1 Voltage	III	UVC or LHD with K14
60-61	-	-	-	Not Occupied	-	-
62	0.35	PU/WH	7005	LED Dimming Signal	III	-
63-64	-	-	-	Not Occupied	-	-
65	0.35	D-BU	5985	Accessory Wakeup Serial Data	III	MX7
66	-	-	-	Not Occupied	-	-
67	0.35 0.35	PU PK/WH	544 1970	Headlamp Low Beam Supply Voltage Headlamp Relay Control	III	without T4F T4F
68	0.8	D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage	III	-
69	-	-	-	Not Occupied	-	-
70	0.35	TN	28	Horn Relay Control	III	-
71	-	-	-	Not Occupied	-	-
72	0.8	RD/WH	1540	Battery Positive Voltage	IV	-
73	3	RD/WH	3240	Battery Positive Voltage	IV	LSA with

						C3U or CBF
74	2	PU	92	Windshield Wiper Motor High Speed	V	-
75	0.5	RD/WH	2740	Battery Positive Voltage	VI	B3T
76	0.8	RD/WH	1340	Battery Positive Voltage	VI	-
77	-	-	-	Not Occupied	-	-
78	0.8	RD/WH	1240	Battery Positive Voltage	VI	-
79-80	-	-	-	Not Occupied	-	-
81	0.5	RD/WH	2240	Battery Positive Voltage	II	-
82	0.8	RD/WH	1440	Battery Positive Voltage	IV	-
83	2	D-GN	95	Windshield Washer Switch Signal	V	-
84	1	RD/WH	2640	Battery Positive Voltage	II IV	MX7

X50A FUSE BLOCK - UNDERHOOD X3



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	Core Crimp	Insulation Crimp
I	13575850	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	Pins 1, 3, 5, 13, 24, 25, 26, 30, 32, 33, 34, 38, 41, 42, 45, 49 - E	C
II	13575835	J-35616-42 (RD)	J-38125-11A	7116-4122-02	10	Pins 8 - D	G
III	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
IV	13575829	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	Not Available	Not Available
V	13578892	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	C	A
VI	13578927	J-35616-22 (RD)	J-38125-11A	7116-3250	10	G	3

X50A Fuse Block - Underhood X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.35	L-BU	5986	Serial Data Wakeup	I	-
2	-	-	-	Not Occupied	-	-
3	0.5	D-BU	473	High Speed Cooling Fan Relay Control	I	-
4	-	-	-	Not Occupied	-	-
5	0.5	D-GN/WH	459	A/C Compressor Clutch Relay Control	I	-
6	-	-	-	Not Occupied	-	-
7	0.8	RD/WH	440	Battery Positive Voltage	I	MYA or MYB or MYD
8	5	RD/BK	42	Battery Positive Voltage	II	-
9	3	PU	6	Starter Solenoid Crank Voltage	-	-
10-12	-	-	-	Not Occupied	-	-
13	0.5 0.5	PK PK	339 339	Ignition 1 Voltage Ignition 1 Voltage	I	MYA or MYB or MYD
14-19	-	-	-	Not Occupied	-	-
20	2	RD/WH	240	Battery Positive Voltage	III	-
21-22	-	-	-	Not Occupied	-	-

23	1	PK/BK	5293	Powertrain Main Relay Fused Supply	I	-
24	0.5	PK	339	Run/Crank Ignition 1 Voltage	I	LLT
25	0.5	YE	447	Starter Relay Coil Control	I	-
26	0.5	D-BU	5985	Accessory Wakeup Serial Data	I	-
27	-	-	-	Not Occupied	-	-
28	0.8 0.5	PK/BK PK/BK	5294 5294	Battery Positive Voltage Battery Positive Voltage	I	LSA or LLT with MV7 LSA or LLT with MYB
29	1	BK	650	Ground	I	LSA
30	0.5 0.5	GY GY	5295 5295	Ignition 1 Voltage Ignition 1 Voltage	I	MV7 LF1 or LLT
31	-	-	-	Not Occupied	-	-
32	0.5	RD/WH	5540	Battery Positive Voltage	I	LSA
33	0.5	D-GN	59	A/C Compressor Clutch Supply Voltage	I	-
34	0.5	WH	17	Stop Lamp Supply Voltage	I	-
35	-	-	-	Not Occupied	-	-
36	1 1	PK/BK PK/BK	5291 5290	Ignition 1 Voltage Ignition 1 Voltage	I	LF1 or LLT LSA
37	-	-	-	Not Occupied	-	-
38	0.35	D-BU	5985	Accessory Wakeup Serial Data	I	without MN6
39	-	-	-	Not Occupied	-	-
40	0.5	PK/BK	5294	Battery Positive Voltage	I IV	-
41	0.5	D-GN	335	Low Speed Cooling Fan Relay Control	I	-
42	0.5	BN	5069	Main Relay Control	I	-
43-45	-	-	-	Not Occupied	-	-
46	1	BK	1150 650	Ground Ground	I	LF1 or LLT LSA
47	1	PK/BK	5292	Ignition 1 Voltage	I	-
48	-	-	-	Not Occupied	-	-
49	0.35	L-BU	5986	Serial Data Communication Enable	I	MG9
50	-	-	-	Not Occupied	-	-
51	1	PK/BK	5290	Ignition 1 Voltage	I V	LF1 or LLT
51	1	PK/BK	5291	Ignition 1 Voltage	I V	LSA
52-53	-	-	-	Not Occupied	-	-
54	1	RD/WH	3640	Battery Positive Voltage	VI	LF1 or LLT

X50A FUSE BLOCK - UNDERHOOD X4 (TO BATTERY)

Connector Part Information

- Harness Type: Body
- OEM Connector: 7003-6115-02
- Service Connector: Service by Harness - 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	No Tool Required	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X4 (To Battery)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
+	40	RD	1	Battery Positive Voltage	I	-

X50A FUSE BLOCK - UNDERHOOD X4 (TO STARTER/GENERATOR)

Connector Part Information

- Harness Type: Engine
- OEM Connector: 7003-6117-02
- Service Connector: Service by Harness - 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	No Tool Required	Not Available	Not Available	Not Available	Not Available

X50A Fuse Block - Underhood X4 (To Starter/Generator)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
+	50	RD	1	Battery Positive Voltage	I	-

19

RD

1

Battery Positive Voltage

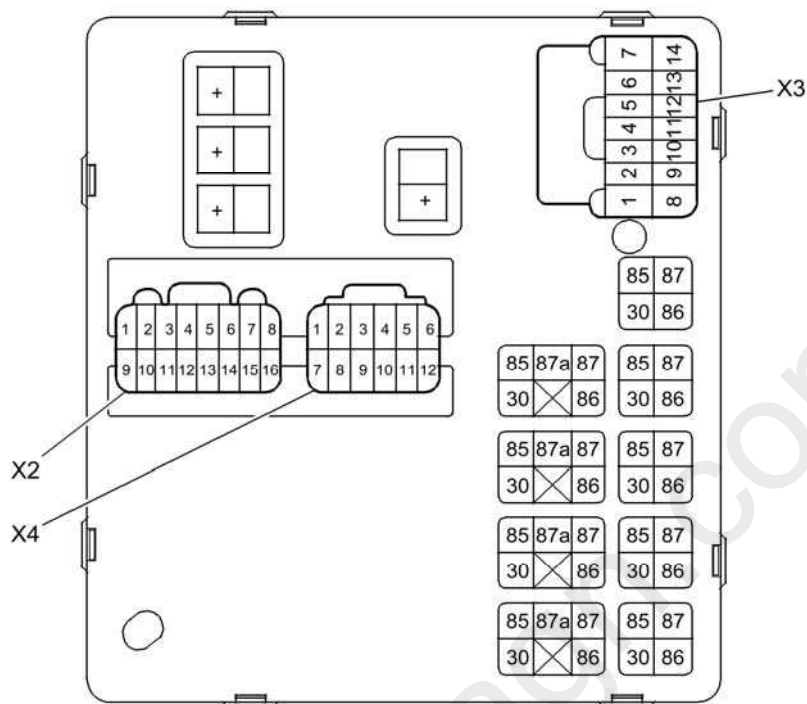
X53A FUSE BLOCK - REAR BOTTOM VIEW

Fig. 5: Fuse Block - Rear Bottom View
Courtesy of GENERAL MOTORS COMPANY

X53A FUSE BLOCK - REAR FUSE AND RELAY LABEL

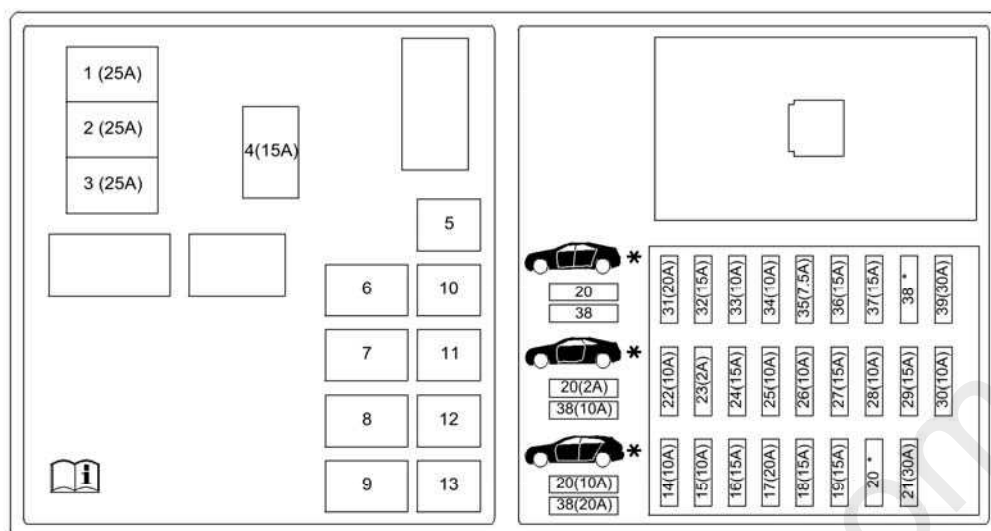


Fig. 6: Fuse Block -- Fuse And Relay Rear Label
 Courtesy of GENERAL MOTORS COMPANY

X53A FUSE BLOCK - REAR TOP VIEW

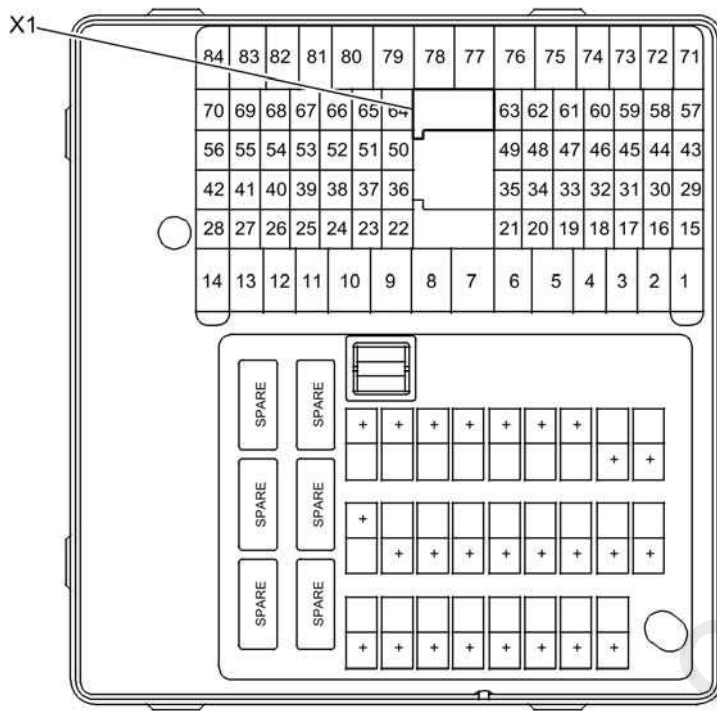


Fig. 7: Fuse Block - Rear Top View
 Courtesy of GENERAL MOTORS COMPANY

Fuse Block - Rear Usage

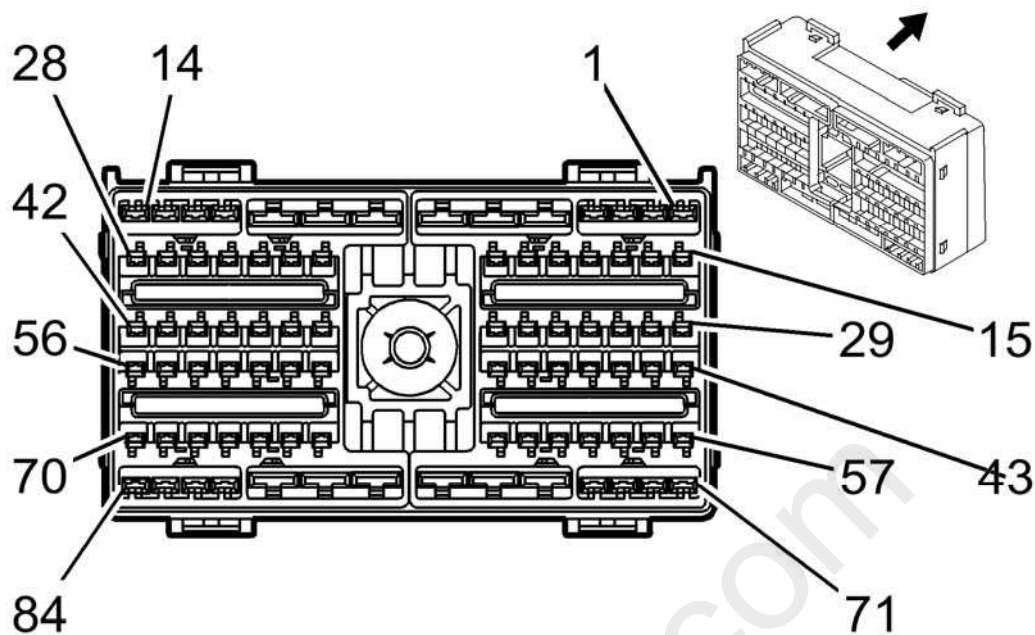
No.	Device Label Name	Device Assigned Name	Rating	Description
Fuses				
1	DRV PWR SEAT Circuit Breaker	-	25A	K40 Seat Memory Control Module, S64D Seat Adjuster Switch - Driver
2	PASS PWR SEAT Circuit Breaker	-	25A	S64P Seat Adjuster Switch - Passenger, S65P Seat Lumbar Support Switch - Passenger
3	PWR/WNDW Circuit Breaker	-	25A	M74D Window Motor - Driver, M74P Window Motor - Passenger
4	PWR/CLMN Circuit Breaker	-	25A	K40 Seat Memory Control Module
14	RT/POS/LP Fuse (V2S/-T90)	-	10A	E2RF Side Marker Lamp - Right Front, E4K Park Lamp - Right Front, E5F Tail Lamp - Right
15	LT/POS/LP Fuse	-	10A	E2LF Side Marker Lamp - Left Front, E4J Park Lamp - Left Front, E5E Tail Lamp - Left, E7L License Plate Lamp - Left (-T90), E7R License Plate Lamp - Right (-T90)
				FUEL/DR/RELSE Relay, LCK Relay,

16	DR/LCK Fuse	-	15A	UNLCK Relay, S84D Door Switch Panel Control Module - Driver
17	CONSOLE APO Fuse	-	20A	CONSOLE APO Relay
18	REAR FOG/XBCM Fuse	-	15A	KR57 Rear Fog Lamp Relay (T79), K7 Body Control Module - Auxiliary
19	TRUNK RELEASE Fuse (Coupe)	-	15A	TRUNK/RELEASE Relay
19	REAR WIPER Fuse (Wagon)	-	15A	M45 Rear Wiper Motor
20	EASY ENTRY Fuse (Coupe)	-	2A	S115D Rear Seat Easy Entry Switch - Driver, S115P Rear Seat Easy Entry Switch - Passenger
20	WASH PUMP Fuse (Wagon)	-	10A	KR11 Windshield Washer Pump Relay, KR6 Rear Window Washer Pump Relay
21	S/ROOF Fuse (LFW/LFX)	-	30A	K61 Sunroof Control Module, K80 Sunroof Sunshade Control Module
21	FSCM Fuse (LSA)	-	30A	K27 Fuel Pump Control Module
22	RT/POS/LP Fuse (T90)	-	10A	RT/POS/LP Relay
23	RVC Fuse	-	2A	K9 Body Control Module
24	RDO Fuse	-	15A	A11 Radio, A20 Radio/HVAC Controls, P17 Info Display Module
25	AIRBAG Fuse	-	10A	K36 Inflatable Restraint Sensing and Diagnostic Module, B60 Passenger Presence Sensor
26	RKE/PASS-KEY/MDL Fuse	-	10A	K77 Remote Control Door Lock Receiver
27	RDO/SPKR Fuse	-	15A	P19AC Speaker - Subwoofer
28	ONSTAR Fuse	-	10A	K73 Telematics Communication Interface Control Module, K63 Television Antenna Module
29	ECM Fuse	-	15A	K20 Engine Control Module
30	CNSTR/VENT Fuse	-	10A	Q13 Evaporative Emission Vent Solenoid Valve
31	DIFF PUMP Fuse (LSA)	-	20A	KR17 Differential Cooler Pump Relay
31	FSCM Fuse (LFW/LFX)	-	20A	K27 Fuel Pump Control Module
32	LT/REAR/WNDW Circuit Breaker	-	15A	S79LR Window Switch - Left Rear
33	STOP/LP Fuse	-	10A	STOP/LP Relay
	THEFT/UGDO			P4 Security Siren, B67 Ultrasonic Intrusion Sensor, S25 Garage Door Opener (UG1),

34	Fuse	-	10A	B113 Vehicle Inclination Sensor (UA2), K64 Content Theft Deterrent Control Module
35	MSM/RPA/LGM Fuse	-	7.5A	K40 Seat Memory Control Module, K41R Rear Parking Assist Control Module, K39 Liftgate Control Module (Wagon)
36	PDM Fuse	-	15A	S84P Door Switch Panel Control Module - Passenger
37	REAR/WNDW Circuit Breaker	-	15A	S79RR Window Switch - Right Rear
38	AUX/OUTLET Fuse (Wagon)	-	20A	X80H Accessory Power Receptacle - Center Console, X80C Accessory Power Receptacle - Cargo
38	SBZA Fuse (Coupe with UFT)	-	10A	B94L Side Object Sensor - Left, B94R Side Object Sensor - Right
39	AMP Fuse	-	30A	T3 Audio Amplifier
Relays				
5	STOP/LP Relay	KR59 Stop Lamp Relay	-	E5E Tail Lamp - Left, E5F Tail Lamp - Right
6	LCK Relay	KR97 Door Lock Relay	-	K7 Body Control Module - Auxiliary, A23LR Door Latch Assembly - Left Rear, A23RR Door Latch Assembly - Right Rear
7	UNLCK Relay	KR90 Door Unlock Relay	-	A23LR Door Latch Assembly - Left Rear, A23RR Door Latch Assembly - Right Rear
8	FUEL/DR/RELSE Relay	KR94 Fuel Door Unlatch Relay	-	M27 Fuel Door Unlatch Actuator (N08)
9	RT/POS/LP Relay (T90)	KR53R Park Lamp Relay - Right	-	RT/TRL/POS/LP Fuse (V2S), MRKR/LP Relay, E2RF Side Marker Lamp - Right Front, E4K Park Lamp - Right Front, E5F Tail Lamp - Right
10	CONSOLE APO Relay	KR76A Retained Accessory Power Relay 1	-	X80D Accessory Power Receptacle - Center Console Compartment
11	TRUNK/RELEASE Relay	KR95B Rear Compartment Lid Unlatch Relay	-	A23C Liftgate Latch Assembly
12	MRKR/LP Relay (T90)	KR54 License Plate Lamp Relay	-	E7L License Plate Lamp - Left, E7R License Plate Lamp - Right
13	LT/POS/LP Relay	KR53L Park Lamp Relay - Left	-	LT/POS/LP Fuse, RT/POS/LP Fuse (V2S/-T90), MRKR/LP Relay (T90)

X53A FUSE BLOCK - REAR X1

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Connector Part Information

- Harness Type: Body
- OEM Connector: 7283-9456-3W
- Service Connector: 19153188
- Description: 84-Way F YESC Kaizen Series (BK)

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	SEALED: 13578925 UNSEALED: 13575832	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
II	13575835	J-35616-42 (RD)	J-38125-11A	7116-4122-02	10	Pins 5, 6, 76 - D	G
III	13578928	J-35616-42 (RD)	J-38125-11A	7116-4121-02	10	C	B
IV	13575839	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	Not Available	Not Available
V	13575832	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	Not Available	Not Available

VI	13575838	J-35616-35 (VT)	J-38125- 11A	7116-4111- 02	9	C	A
VII	13575850	J-35616-2A (GY)	J-38125- 11A	7116-4100- 08	9	Pins 17, 20, 22, 23, 27, 33, 34, 36, 37, 39, 46, 48-51, 55, 61, 62, 63, 65, 69 - E	C
VIII	13578892	J-35616-2A (GY)	J-38125- 11A	7116-4101- 08	9	C	A

X53A Fuse Block - Rear X1

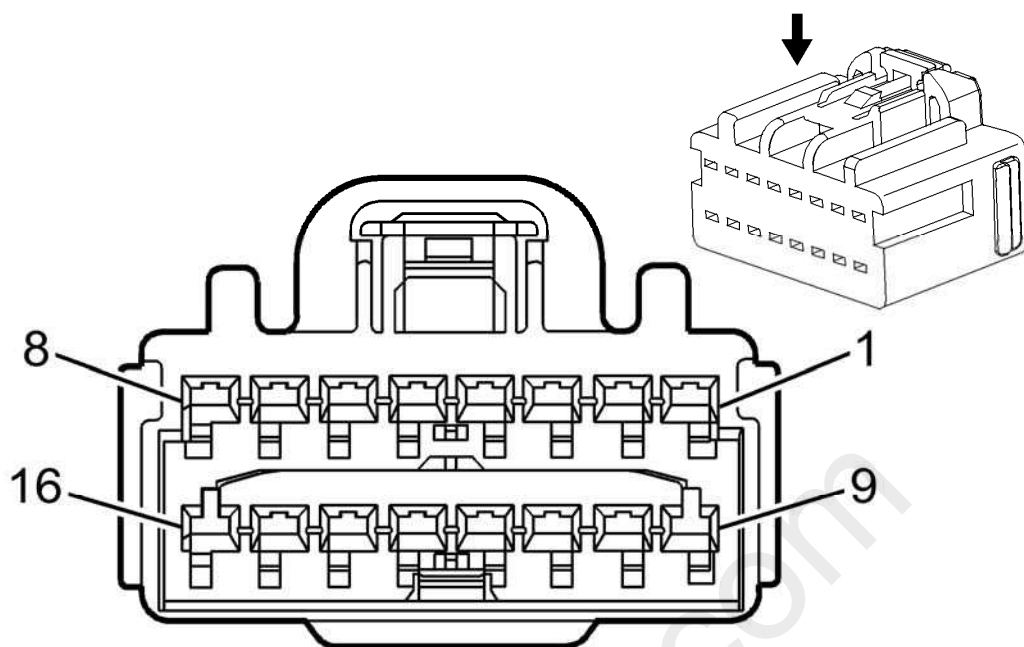
Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	3	RD/BK	1042	Battery Positive Voltage	I	-
3	3 3	RD/WH RD/WH	3240 2840	Battery Positive Voltage Battery Positive Voltage	I	LP1 or LY7 or LLT LSA
4	-	-	-	Not Occupied	-	-
5	5	RD	1	Battery Positive Voltage	II	-
6	5	RD	1	Battery Positive Voltage	II	-
7	-	-	-	Not Occupied	-	-
8	2	RD/WH	4340	Battery Positive Voltage	III	-
9	2	RD/WH	4340	Battery Positive Voltage	III	-
10	-	-	-	Not Occupied	-	-
11	0.5 0.8	BN/WH BN/WH	309 309	Park Lamp Supply Voltage Park Lamp Supply Voltage	IV	T90 V2S
12	1 1 2	GY GY GY	295 295 5911	Door Lock Actuator Lock Control Door Lock Actuator Lock Control Door Lock Actuator Lock Control 2	I V	Coupe with N08 without UTT, Wagon without N08 Wagon without N08 or UTT UTT
13	1	RD/WH	4240	Battery Positive Voltage	VI	-
14-16	-	-	-	Not Occupied	-	-
17	0.35	RD/WH	140	Battery Positive Voltage	VII	-
18	-	-	-	Not Occupied	-	-
19	0.8	RD/WH	5040	Battery Positive Voltage	VII	Wagon
20	0.5	L-BU	1320	CHMSL Supply Voltage	VII	T90
21	0.8	L-BU	20	Stop Lamp Supply Voltage	-	V2S
						Coupe with

22	0.35 0.35	YE TN	1977 6188	Rear Fog Lamp Relay Control Trunk Motor Release Control	VII	T79 -
23	0.35	RD/WH	4540	Battery Positive Voltage	VII	UTR or UTT or UTU or UTV or V2S
24	-	-	-	Not Occupied	-	-
25	1	RD/WH	5140	Battery Positive Voltage	VII	Coupe or Wagon
26	1	RD/WH	1040	Battery Positive Voltage	VIII	-
27	1	RD/WH	1701	Battery Positive Voltage	VII	-
28	1	BK	1050	Ground	VII	-
29	1	RD/WH	4440	Battery Positive Voltage	VII VIII	UQS
30	-	-	-	Not Occupied	-	-
31	1	RD/WH	3340	VCIM Power Supply	VII	UE1
32	-	-	-	Not Occupied	-	-
33	0.5	RD/WH	5040	Battery Positive Voltage	VII	Coupe or Wagon
34	0.5	L-BU	1320	CHMSL Supply Voltage	VII	T90
35	0.35 0.35	L-BU L-BU	20 20	Stop Lamp Supply Voltage Stop Lamp Supply Voltage	-	T90 T90
36	0.35	WH	93	Fuel Door Release Relay Control	VII	N08
37	0.35	RD/WH	4540	Battery Positive Voltage	VII	UTU
38	-	-	-	Not Occupied	-	-
39	0.5	BN	2209	Rear Park Lamp Supply Voltage	VII	T90
40-44	-	-	-	Not Occupied	-	-
45	1	RD/WH	3040	Battery Positive Voltage	-	V2S
46	0.5	BN/WH	309	Right Park Lamp Supply Voltage	VII	T90
47	-	-	-	Not Occupied	-	-
48	0.35	WH	1080	Park Lamp Relay Control	VII	T90
49	0.35	RD/WH	3140	Battery Positive Voltage	VII	A45 or Coupe
50	0.35	D-BU	45	Park Lamp Relay Control	VII	-
51	0.35	RD/WH	4540	Battery Positive Voltage	VII	U2R or U2S or U2T with UVC, UG1 or UTV
52	2.0 1.0	RD/WH RD/WH	2840 2840	Fuel Pump Flow Control Module Supply Voltage Fuel Pump Flow Control Module Supply Voltage	VII VIII	LF1/LLT LSA
53	1	PK	79	Fuel Door Release Solenoid Supply Voltage	VII	N08
54	1	TN	294	Door Lock Actuator Unlock	VII	Wagon with

				Control		UTT
55	0.5	RD/WH	3040	Battery Positive Voltage	VII	Coupe with T79
56-59	-	-	-	Not Occupied	-	-
60	0.35 0.5	BN/WH BN/WH	309 309	Right Park Lamp Supply Voltage Right Park Lamp Supply Voltage	VII	T90 T90
61	0.35 0.35	D-GN D-GN	801 801	Retained Accessory Power Fuse Supply Voltage Retained Accessory Power Fuse Supply Voltage	VII	C3U
62	0.5 0.5	OG TN/WH	122 56	Rear Fog Lamp Supply Voltage Trunk Release Motor Supply Voltage	VII	Coupe with T79 -
63	0.35	RD/WH	3140	Battery Positive Voltage	VII	UD7
64	0.35 0.5 0.8	BN/WH BN/WH BN	309 309 2509	Right Park Lamp Supply Voltage Right Park Lamp Supply Voltage Left Rear Park Lamp Supply Voltage	VII	without T90 without T90 Wagon with V2S
65	0.35	RD/WH	4540	Battery Positive Voltage	VII	UTR
66-68	-	-	-	Not Occupied	-	-
69	0.35 0.35	BK BK	1050 1050	Ground Ground	VII	Wagon with T90 or Coupe Coupe
70-75	-	-	-	Not Occupied	-	-
76	5	RD	1	Battery Positive Voltage	II	-
77	3	RD/WH	3840	Battery Positive Voltage	II	-
78	3	RD/WH	3940	Battery Positive Voltage	II	AH8
79	2	RD/WH	3740	Battery Positive Voltage	III	A45 with N38
80-84	-	-	-	Not Occupied	-	-

X53A FUSE BLOCK - REAR X2





Connector Part Information

- Harness Type: Body
- OEM Connector: 7283-6456-90
- Service Connector: 88952778
- Description: 16-Way F Kaizen YESC Series (BU)

Terminal Part Information

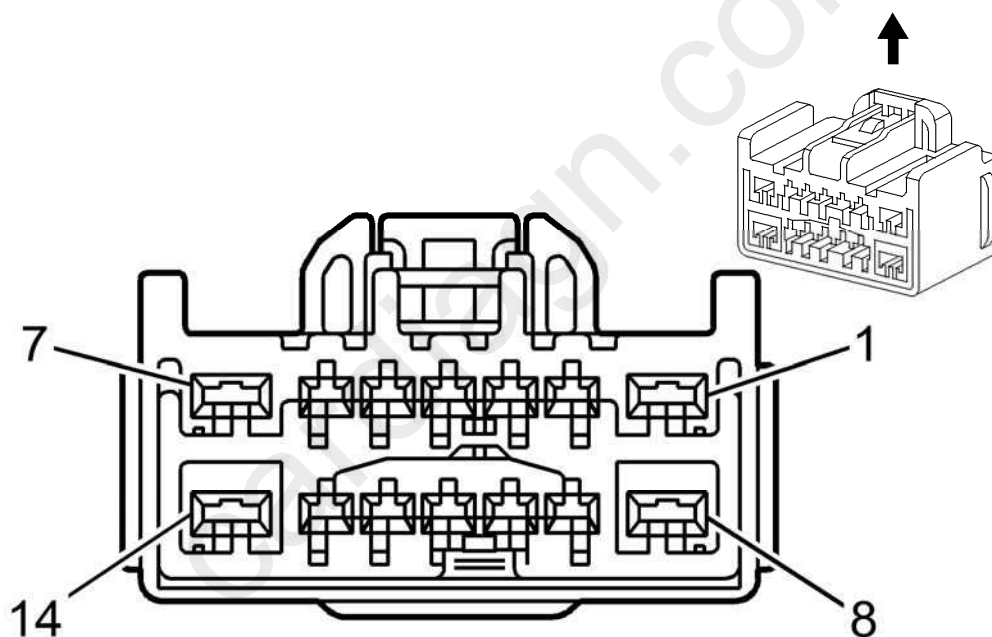
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575850	J-35616-2A (GY)	J-38125-11A	7116-4100-08	9	E	C
II	13575850	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A
III	13578892	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	C	A

X53A Fuse Block - Rear X2

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	-	-	-	Not Occupied	-	-
2	0.5	RD/WH	2940	Battery Positive Voltage	I	-

3-5	-	-	-	Not Occupied	-	-
6	0.8	RD/WH	4040	Battery Positive Voltage	II	-
7	-	-	-	Not Occupied	-	-
8	0.35	RD/WH	1740	Battery Positive Voltage	I	-
9	-	-	-	Not Occupied	-	-
10	1	RD/WH	4640	Battery Positive Voltage	II	Wagon
11-13	-	-	-	Not Occupied	-	-
14	0.35	RD/WH	3440	Battery Positive Voltage	I	ATG or ATH or BTM
15	2	RD/WH	1640	Battery Positive Voltage	III	Wagon
16	0.35	RD/WH	1740	Battery Positive Voltage	I	-

X53A FUSE BLOCK - REAR X3



Connector Part Information

- Harness Type: Body
- OEM Connector: 7283-6447-40
- Service Connector: 88956524
- Description: 14-Way F Hybrid Series (L-GY)

Terminal Part Information

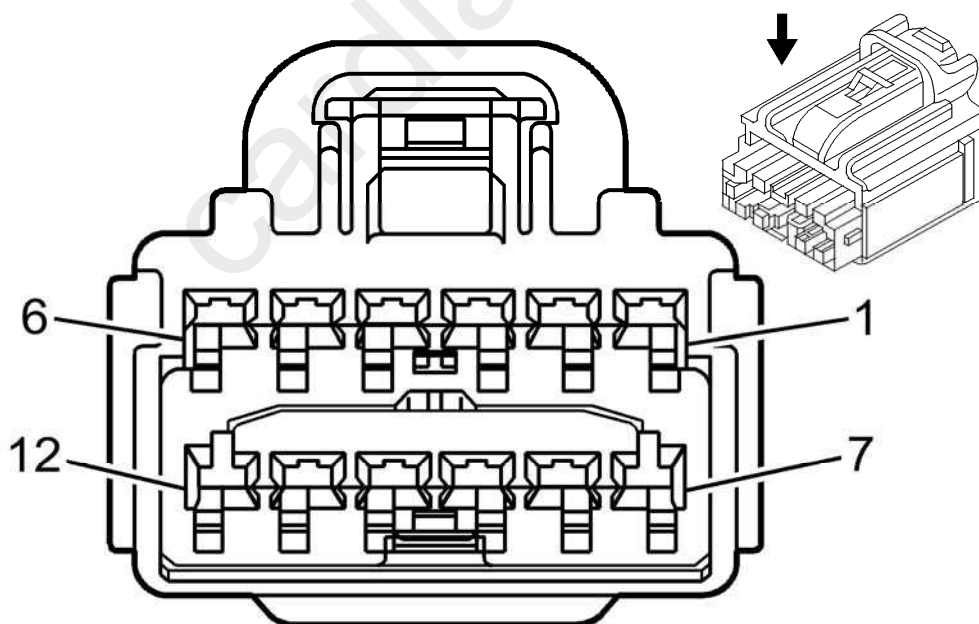
			Terminal			
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Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575850	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A
II	13575850	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	Not Available	Not Available

X53A Fuse Block - Rear X3

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1-3	-	-	-	Not Occupied	-	-
4	0.80	L-BU	20	Stop Lamp Supply Voltage	I	V2S
5-10	-	-	-	Not Occupied	-	-
11	0.35 0.35	L-BU L-BU	20 20	Stop Lamp Supply Voltage Stop Lamp Supply Voltage	II	T90 T90
12	-	-	-	Not Occupied	-	-
13	1	RD/WH	4740	Rear Compartment Lid Release Switch	I	-
14	-	-	-	Not Occupied	-	-

X53A FUSE BLOCK - REAR X4



- Harness Type: Body
- OEM Connector: 7283-3442-40
- Service Connector: 89046712
- Description: 12-Way F YESC Kaizen Series (L-GY)

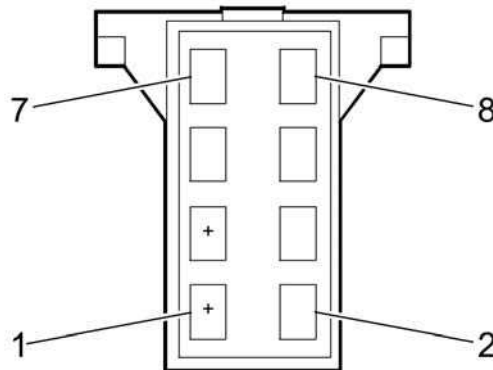
Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575829	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A
II	13575850	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A

X53A Fuse Block - Rear X4

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.5 0.8	PU PU	709 709	Left Park Lamp Supply Voltage Left Park Lamp Supply Voltage	I	without T90 V3S
2	-	-	-	Not Occupied	-	-
3	1	RD/WH	4740	Battery Positive Voltage	II	Wagon
4	-	-	-	Not Occupied	-	-
5	0.35	L-GN	1391	Left Front Door Lock Relay Control	II	Wagon with UTT or N08
6	-	-	-	Not Occupied	-	-
7	0.35 0.5	PU PU	709 709	Left Park Lamp Supply Voltage Left Park Lamp Supply Voltage	II	-
8	-	-	-	Not Occupied	-	-
9	0.35	L-BU	5921	Driver Door Unlock Relay Control	II	Wagon with UTT
10	-	-	-	Not Occupied	-	-
11	1	RD/WH	340	Battery Positive Voltage	II	-
12	-	-	-	Not Occupied	-	-

X55A FUSE HOLDER - TRAILER PROVISION (V2S)



Connector Part Information

- Harness Type: Body
- OEM Connector: 7154-1707
- Service Connector: 13577791
- Description: 8 Way F fuse holder

Terminal Part Information

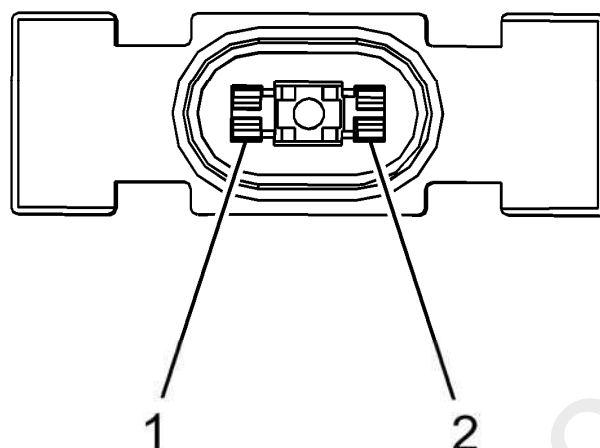
Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Connector Assembly - 13577791	No Tool Required	Not Available	Not Available	Not Available	Not Available	Not Available

X55A Fuse Holder - Trailer Provision (V2S)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	BN/WH	309	Right Park Lamp Supply Voltage	I	-
2	0.8	BN	2609	Right Trailer Park Lamp	I	-
3	0.8	L-BU	20	Stop Lamp Supply Voltage	I	-
4	0.8	PU/WH	5188	Trailer Brake Lamp	I	-
5-8	-	-	-	Not Occupied	-	-

X55AE FUSE HOLDER - STEERING WHEEL HEATER (KB7 WITH N30)

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Connector Part Information

- Harness Type: Inflatable Restraint Steering Wheel Module Coil
- OEM Connector: Not Available
- Service Connector: Service by Component Assembly - See Part Catalog
- Description: 2 Way F fuse holder

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	Service by Component Assembly - See Part Catalog	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

X55AE Fuse Holder - Steering Wheel Heater (KB7 with N30)

Pin	Size	Color	Circuit	Function	Terminal Type ID	Option
1	0.8	RD/SR	A41	Run/Crank Ignition 1 Voltage	I	-
2	0.8	RD/SR	A41	Run/Crank Ignition 1 Voltage	I	-