

2011 Cadillac CTS

2011 ELECTRICAL Wiring Systems and Power Management - Component Locator - CTS

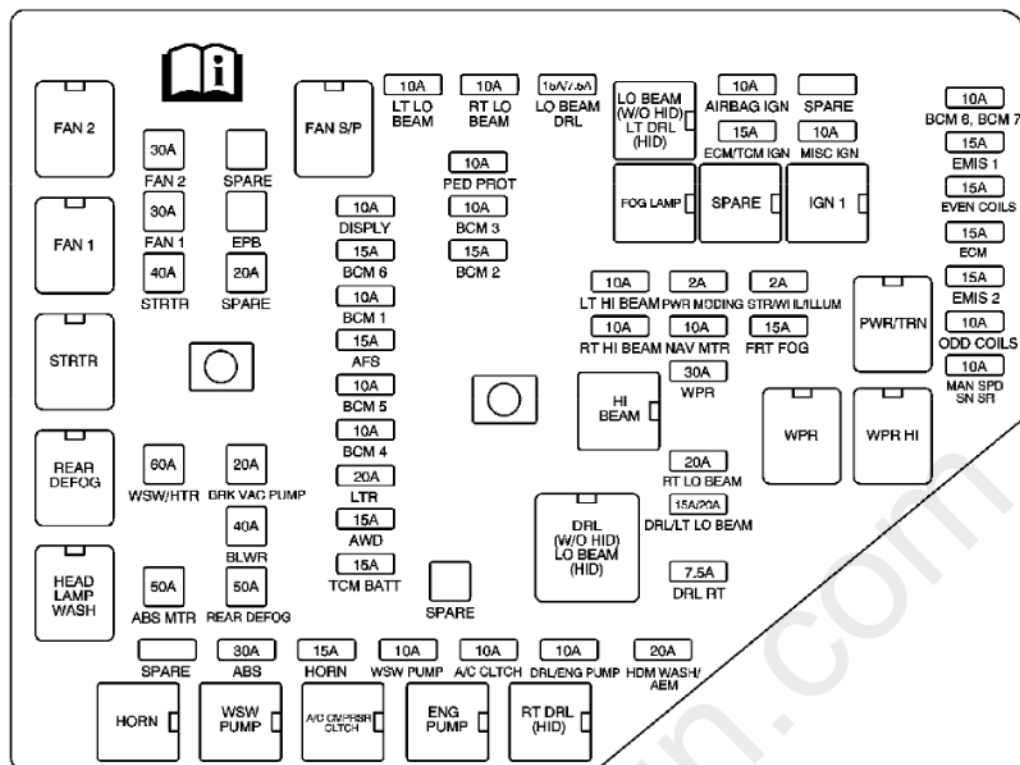
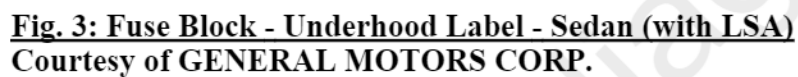
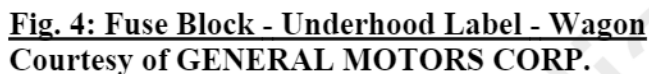


Fig. 2: Fuse Block - Underhood Label - Sedan (without LSA)
 Courtesy of GENERAL MOTORS CORP.

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Device	Rating	Description
A/C CLTCH Fuse	10A	A/C CMPSRSR CLTCH Relay
ABS Fuse	30A	Electronic Brake Control Module (EBCM)
ABS MTR Fuse	50A	Electronic Brake Control Module (EBCM)
AFS Fuse	15A	Headlamp Module
AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module, Instrument Panel Cluster (IPC)
AWD Fuse (except LSA)	15A	Transfer Case Shift Control Module
BCM 1 Fuse	10A	Body Control Module (BCM)
BCM 2 Fuse	15A	Body Control Module (BCM)
BCM 3 Fuse	10A	Body Control Module (BCM)
BCM 4 Fuse	10A	Body Control Module (BCM)
BCM 5 Fuse	10A	Body Control Module (BCM)
BCM 6 Fuse (except LSA)	15A	Body Control Module (BCM)
BCM 7 Fuse (except LSA)	10A	Body Control Module (BCM)
BCM 6, BCM 7 Fuse (LSA)	10A	Body Control Module (BCM)
BLWR Fuse	40A	Blower Motor Control Processor

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BRK VAC PUMP Fuse (except LSA)	20A	Brake Booster Pump Relay
DISPLY Fuse	10A	Instrument Panel Cluster (IPC)
DRL LT Fuse (LSA)	7.5A	Daytime Running Lamp (DRL) Left, Daytime Running Lamp (DRL) Right
DRL RT Fuse	7.5A	Daytime Running Lamp (DRL) Left, Daytime Running Lamp (DRL) Right
DRL/ENG PUMP Fuse (except LSA)	10A	RT DRL (T4F) Relay, AFTER BOIL Relay
DRL WSW Fuse	10A	DRL WSW Relay
ECM Fuse	10A	Engine Control Module (ECM)
ECM/TCM IGN Fuse	15A	Engine Control Module (ECM), Automatic Transmission, Transfer Case Shift Control Module, Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
EMIS 1 Fuse	15A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1, Evaporative Emission (EVAP) Canister Purge Solenoid Valve, Intake Manifold Tuning (IMT) Solenoid Valve, Camshaft Position (CMP) Actuator Solenoid Valve - Bank 1 Intake, Camshaft Position (CMP) Actuator Solenoid Valve - Bank 2 Intake, Camshaft Position (CMP) Actuator Solenoid Valve - Bank 1 Exhaust, Camshaft Position (CMP) Actuator Solenoid Valve - Bank 2 Exhaust
EMIS 2 Fuse	15A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2, Vehicle Speed Sensor (VSS)
EPB Fuse (LSA)	-	Electric Parking Brake Module
EVEN COILS Fuse	15A	Fuel Injector 2, 4, 6, Ignition Coil 2, 4, 6
FAN 1 Fuse	30A	FAN 1 Relay
FAN 2 Fuse	30A	FAN 2 Relay
FRT FOG Fuse	15A	Fog Lamp - Left Front, Fog Lamp - Right Front
HDM WASH Fuse	20A	HEAD LAMP WASH Relay
HORN Fuse	15A	HORN Relay
INCLR Fuse (LSA)	10A	Charge Air Cooler Coolant Pump
LO BEAM DRL Fuse (except LSA)	15A/7.5A	Daytime Running Lamp (DRL) - Left, Daytime Running Lamp (DRL) - Right
LT HI BEAM Fuse	10A	Headlamp - Left High Beam, Headlamp - Left High Beam Solenoid
LT LO BEAM Fuse (except LSA)	10A	Headlamp - Left Low Beam
LT LO BEAM Fuse	15A/20A	Headlamp Ballast - Left (without T4F)
LTR Fuse	20A	Cigar Lighter
MISC IGN Fuse	10A	Tire Pressure Module
MRTD Fuse (LSA)	-	Electronic Suspension Control (ESC) Module

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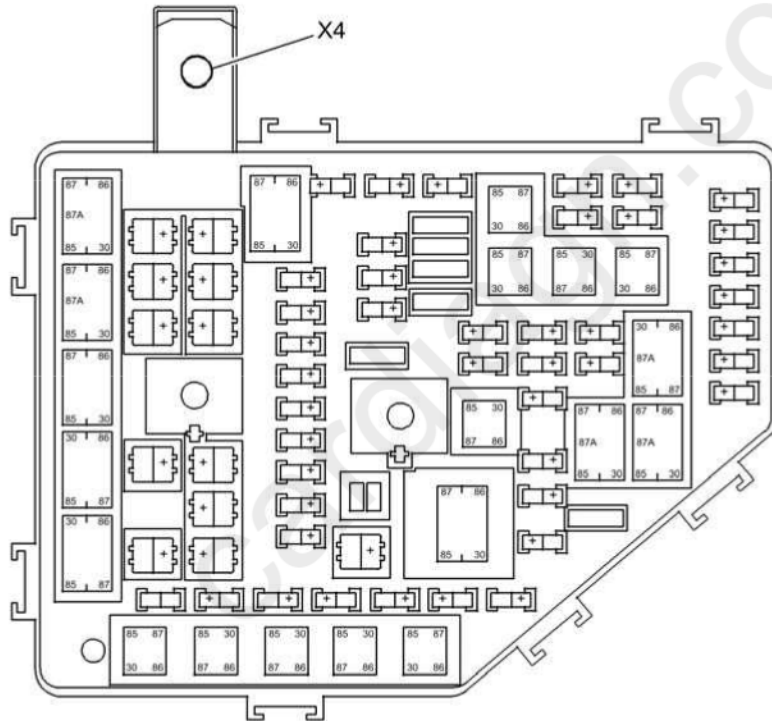
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NAV MTR Fuse	10A	Radio/HVAC Display
ODD COILS Fuse	15A	Fuel Injector 1, 3, 5, Ignition Coil 1, 3, 5
PED PROT Fuse	10A	Pedestrian Impact Detection Module
PTM Fuse (LSA)	15A	Not Used
PWR MODING Fuse	2A	Ignition Switch, Theft Deterrent Control Module
REAR DEFOG Fuse	50A	REAR DEFOG Relay
RT HI BEAM Fuse	10A	Headlamp - Right High Beam, Headlamp - Right High Beam Solenoid
RT LO BEAM Fuse (except LSA)	10A	Headlamp - Right Low Beam (without T4F)
RT LO BEAM Fuse	20A	Headlamp Ballast - Right
SPARE Fuse	-	Not Used
SPARE Fuse	-	Not Used
SPARE Fuse	-	Not Used
SPARE Fuse	-	Not Used
SPARE Fuse	-	Not Used
S/ROOF Fuse (LSA)	30A	Sunroof Control Module, Sunroof Shade Module
STR/WHL/ILLUM Fuse	2A	Inflatable Restraint Steering Wheel Module Coil
STRTR Fuse	40A	STRTR Relay
T/C Fuse (LSA)	20A	Not Used
TCM BATT Fuse	15A	Automatic Transmission
TRANS OIL RLY Fuse (except LSA)	10A	Not Used
TRANS PUMP Fuse (except LSA)	20A	Not Used
WPR Fuse	30A	WPR HI Relay, WPR Relay
WSW PUMP Fuse	10A	WSW PUMP Relay
WSW/HTR Fuse	60A	Windshield Washer Solvent Heater (XA7)
A/C CMPSR CLTCH Relay	-	A/C Compressor Clutch
DRL (without T4F) LO BEAM (T4F) Relay	-	LT LO BEAM Fuse, RT LO BEAM Fuse
ENG PUMP Relay (except LSA)	-	LLT Engine
FAN 1 Relay	-	Engine Cooling Fan - Right
FAN 2 Relay	-	Engine Cooling Fan - Left
FAN S/P Relay	-	Engine Cooling Fan - Right
FOG LAMP Relay	-	FRT FOG Fuse
HEAD LAMP WASH Relay	-	Headlamp Washer Fluid Pump (CE4)
HI BEAM Relay	-	LT HI BEAM Fuse, RT HI BEAM Fuse
HORN Relay	-	Horn Assembly

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IGN 1 Relay	-	MISC IGN Fuse, TRANS Fuse, IGN Fuse
LO BEAM (without T4F) LT DRL (T4F) Relay	-	LO BEAM DRL Fuse, LT LO BEAM Fuse, RT LO BEAM Fuse
PWR/TRN Relay	-	EMIS 1, EMIS 2 Fuse, ECM Fuse, EVEN COILS Fuse, ODD COILS Fuse
REAR DEFOG Relay	-	Rear Window Defogger
RT DRL (T4F) Relay	-	DRL RT Fuse
SPARE Relay	-	Not Used
STRTR Relay	-	Starter Motor
WPR Relay	-	WPR HI Relay
WPR HI Relay	-	Windshield Wiper Motor
WSW PUMP Relay (except LSA)	-	Windshield Washer Fluid Pump



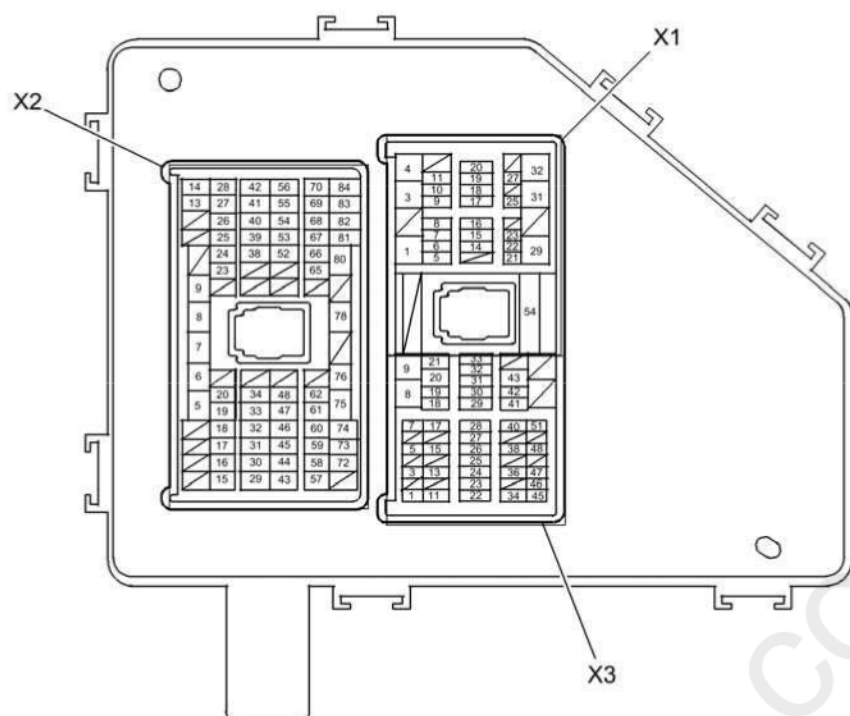


Fig. 6: Fuse Block - Underhood Bottom View
Courtesy of GENERAL MOTORS CORP.

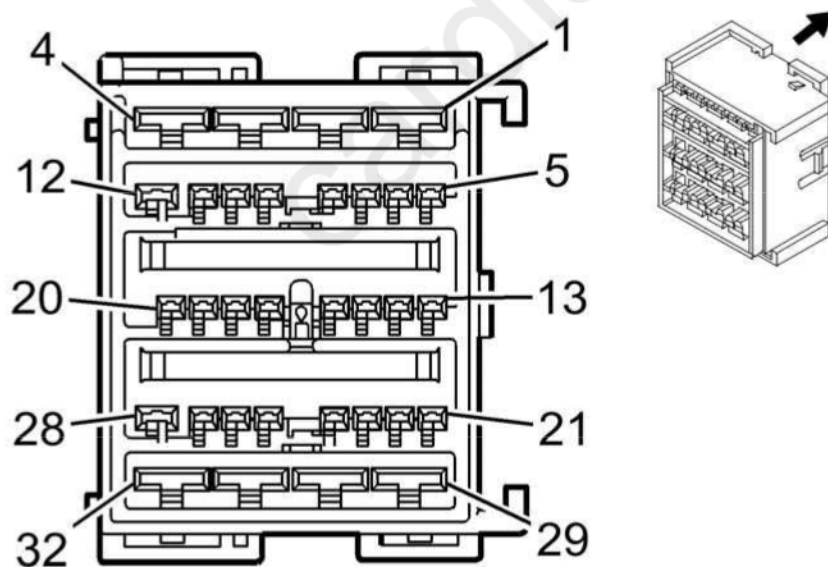


Fig. 7: Fuse Block - Underhood X1
Courtesy of GENERAL MOTORS CORP.

2011 Cadillac CTS**2011 ELECTRICAL Wiring Systems and Power Management - Component Locator - CTS****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

- Pins: 1, 3, 4, 29, 32
- Terminated Lead: 13575835
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4122-02/10
- Core/Insulation Crimp: A/B
- Pins: 5, 6, 8, 9, 10, 14, 15-18, 20, 22 (without T4F), 23, 25
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4100-08/9
- Core/Insulation Crimp: E/C
- Pins: 7, 21, 22 (T4F)
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: E/A

Fuse Block - Underhood X1

Pin	Wire	Circuit	Function
1	3 GY	532	Cooling Fan Motor Supply Voltage
2	-	-	Not Used
3	3 GY	532	Cooling Fan Motor Supply Voltage (LF1 or LLT)
4	3 GY	532	Cooling Fan Motor Supply Voltage (LF1 or LLT)
	3 BK	250	Ground (LSA)
5	0.35 L-BU	5986	Serial Data Communication Enable (T4F or TR7)
6	0.5 OG	2140	Battery Positive Voltage (TR7 with T4F)

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7	0.8 D-GN	1329	Horn Fuse Supply Voltage
8	0.35 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage/Right Turn Signal Indicator Lamp Supply Voltage
	0.35 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage/Right Turn Signal Indicator Lamp Supply Voltage (T90)
9	0.35 D-BU	5364	Left DRL/Turn Supply Voltage (T4F without T94 or TB8))
	0.5 GY	589	DRL Resistor Supply Voltage (without T4F)
10	0.35 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage/Left Turn Signal Indicator Lamp Supply Voltage
	0.35 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage/Left Turn Signal Indicator Lamp Supply Voltage (T90)
11-13	-	-	Not Used
14	0.5 TN/WH	312	Right Headlamp Low Beam Supply Voltage (without T4F)
15	0.5 PU	34	Fog Lamps Supply Voltage 2 (T3U)
16	0.35 D-GN	5365	Right DRL/Turn Supply Voltage (T4F without T94 or TB8))
17	0.5 YE	712	Left Headlamp Low Beam Supply Voltage (without T4F)
18	0.35 L-GN/BK	311	Right Headlamp High Beam Supply Voltage
19	-	-	Not Used
20	0.35 D-GN/WH	711	Left Headlamp High Beam Supply Voltage (T4F)
21	1 TN/WH	312	Right Headlamp Low Beam Supply Voltage (T4F)
22	1 YE	712	Left Headlamp Low Beam Supply Voltage (T4F)
	0.5 GY	589	DRL Resistor Supply Voltage (without T4F and LSA)
23	0.5 PU	34	Fog Lamps Supply Voltage 2 (T3U)
24	-	-	Not Used
25	0.5 BK	250	Ground
26-28	-	-	Not Used
29	3 WH	504	Cooling Fan Low Reference (LSA)
	3 YE	5358	Auxiliary Cooling Fan Motor Supply Voltage (LF1 or LLT)
30-31	-	-	Not Used
32	3 L-BU	409	Cooling Fan Motor Supply Voltage

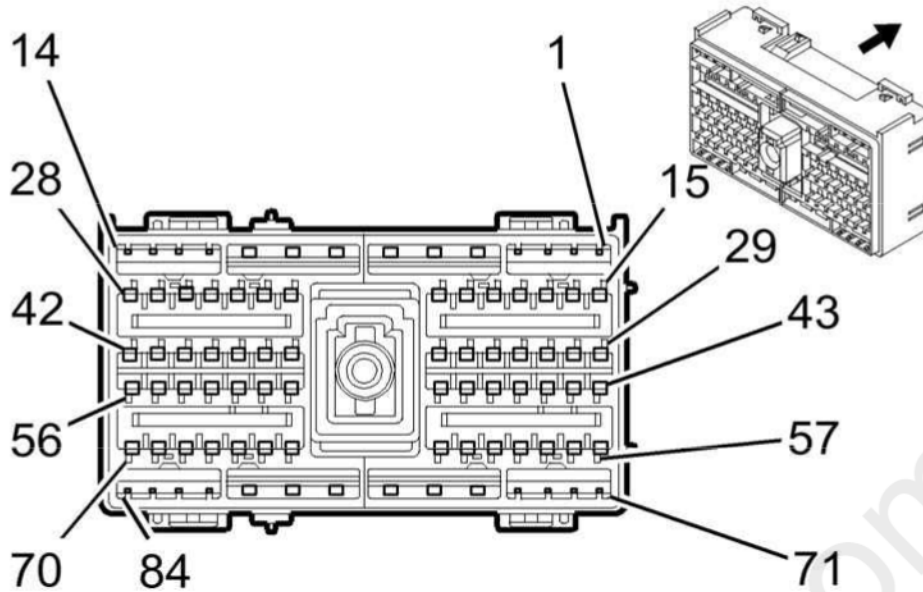


Fig. 8: Fuse Block - Underhood X2

Courtesy of GENERAL MOTORS CORP.

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

- Pins: 5, 7, 9, 8
- Terminated Lead: 13575835
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4122-02/10
- Pins 5, 7, 9 - Core/Insulation Crimp: A/B
- Pins 8 - Core/Insulation Crimp: D/G
- Pins: 13, 14, 81, 84
- Terminated Lead: 13575838
- Release Tool: J-38125-11A
- Diagnostic Test Probe: Pins 13, 81 - J-35616-4A (PU)

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- Diagnostic Test Probe: Pins 14, 84 - J-35616-35 (VT)
- Terminal/Tray: 7116-4110-02/9
- Core/Insulation Crimp: Pins 13, 81 - E/C

Core/Insulation Crimp: Pins 14, 84 - C/A

- Pins: 15-20, 23, 24, 26-32, 34, 38-41, 43-48, 52, 54, 57-59, 62, 65, 67, 68, 70
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4100-08/9
- Core/Insulation Crimp: Pins 15-20, 24, 26, 27, 29, 30, 32, 34, 38, 40, 41, 43, 44, 45, 47, 48, 52, 59, 62, 65, 67, 70 - E/C
- Core/Insulation Crimp: Pins 23, 28, 31, 39, 46, 54, 57, 58, 68 - E/A
- Pins: 72, 73, 82, 84
- Terminated Lead: 13575838
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4111-02/9
- Core/Insulation Crimp: E/A
- Pins: 74, 83
- Terminated Lead: 13575839
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4112-02/9
- Core/Insulation Crimp: C/D
- Pins: 75, 76, 78, 80
- Terminated Lead: 13575833
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4120-02/9
- Core/Insulation Crimp: Pins 75 - E/A
- Core/Insulation Crimp: Pins 76, 78, 80 - E/B

Fuse Block - Underhood X2

Pin	Wire	Circuit	Function
1-4	-	-	Not Used

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5	3 RD/BK	242	Electric Parking Brake Supply Voltage
6	-	-	Not Used
7	3 RD/BK	642	Battery Positive Voltage
8	5 PU	293	Rear Defog Element Supply Voltage
9	3 RD/WH	5340	Battery Positive Voltage (F55)
10-12	-	-	Not Used
13	0.5 OG	228	Windshield Washer Pump Control
14	1 D-GN	1301	Retained Accessory Power Fuse Supply Voltage
15	0.5 PK	1739	Battery Positive Voltage
16	0.5 PK	339	Battery Positive Voltage
	0.5 PK	339	Battery Positive Voltage (MX7)
17	0.50 PU	1197	Headlamp Washer Pump Control (CE4)
18	0.35 PK	539	Ignition 1 Voltage (WXS)
19	0.35 PK	639	Run/Crank Ignition 1 Voltage (U2R or U2S or U2T without UVC, or UAV or U2X or U2Y)
20	0.35 D-BU	5985	Accessory Wakeup Serial Data
21-22	-	-	Not Used
23	0.35 PK	539	Ignition 1 Voltage (UA2 or KB6)
24	0.35 RD/WH	1940	Battery Positive Voltage
25	-	-	Not Used
26	0.35 D-GN	801	Retained Accessory Power Fuse Supply Voltage
27	0.35 D-BU	545	DRL Supply Voltage (T4F without T94 or TB8)
	0.35 D-GN	319	Right Rear Trailer Stop/Turn Lamp Supply Voltage (V2S)
28	1 YE	5187	Right Trailer Turn Signal Lamp (V2S)
29	0.35 PU	544	Headlamp Low Beam Supply Voltage (T4F without T94 or TB8)
	0.35 PK/WH	1970	Headlamp Low Beam Relay Control (without T4F)
	0.35 YE	318	Left Rear Trailer Stop/Turn Lamp Control (V2S)
30	0.35 OG	2268	Windshield Washer Relay Control
31	0.8 RD/WH	1840	Battery Positive Voltage
32	0.35 L-BU	5986	Serial Data Communication Enable
33	-	-	Not Used
34	0.35 TN	860	Front Windshield Wiper Switch High Signal
35-37	-	-	Not Used
38	0.35 WH	2282	Headlamp Washer Relay Control (CE4)

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39	1 OG	5186	Left Trailer Turn Signal Lamp (V2S)
40	0.35 RD/WH	540	Battery Positive Voltage
41	0.35 WH	193	Rear Defog Relay Control
42	-	-	Not Used
43	0.35 WH	17	Stop Lamp Supply Voltage
44	0.35 PK	139	Ignition 1 Voltage
45	0.35 D-GN/WH	1317	Fog Lamp Relay Control (T3U)
46	1 BK	650	Ground (LSA)
47	0.35 YE	6817	LED Backlight Dimming Control
48	0.35 GY	91	Windshield Wiper Switch Signal 2
49-51	-	-	Not Used
52	0.35 TN/WH	1969	Headlamp Relay Control
53	-	-	Not Used
54	0.8 L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage
55-56	-	-	Not Used
57	0.35 RD/WH	540	Battery Positive Voltage
	0.35 RD/WH	540	Battery Positive Voltage
58	0.8 RD/WH	1140	Battery Positive Voltage
59	0.35 PK	639	Run/Crank Ignition 1 Voltage (UVC or LHD with K14)
60-61	-	-	Not Used
62	0.35 PU/WH	7005	LED Dimming Signal
63-64	-	-	Not Used
65	0.35 D-BU	5985	Accessory Wakeup Serial Data (MX7)
66	-	-	Not Used
67	0.35 PU	544	Headlamp Low Beam Supply Voltage (without T4F)
	0.35 PK/WH	1970	Headlamp Relay Control (T4F)
68	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage
69	-	-	Not Used
70	0.35 TN	28	Horn Relay Control
71	-	-	Not Used
72	0.8 RD/WH	1540	Battery Positive Voltage
73	3 RD/WH	3240	Battery Positive Voltage (LSA with C3U or CBF)
74	2 PU	92	Windshield Wiper Motor High Speed
75	0.5 RD/WH	2740	Battery Positive Voltage (B3T)
76	0.8 RD/WH	1340	Battery Positive Voltage
77	-	-	Not Used
78	0.8 RD/WH	1240	Battery Positive Voltage
79-80	-	-	Not Used

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81	0.5 RD/WH	2240	Battery Positive Voltage
82	0.8 RD/WH	1440	Battery Positive Voltage
83	2 D-GN	95	Windshield Washer Switch Signal
84	1 RD/WH	2640	Battery Positive Voltage (MX7)

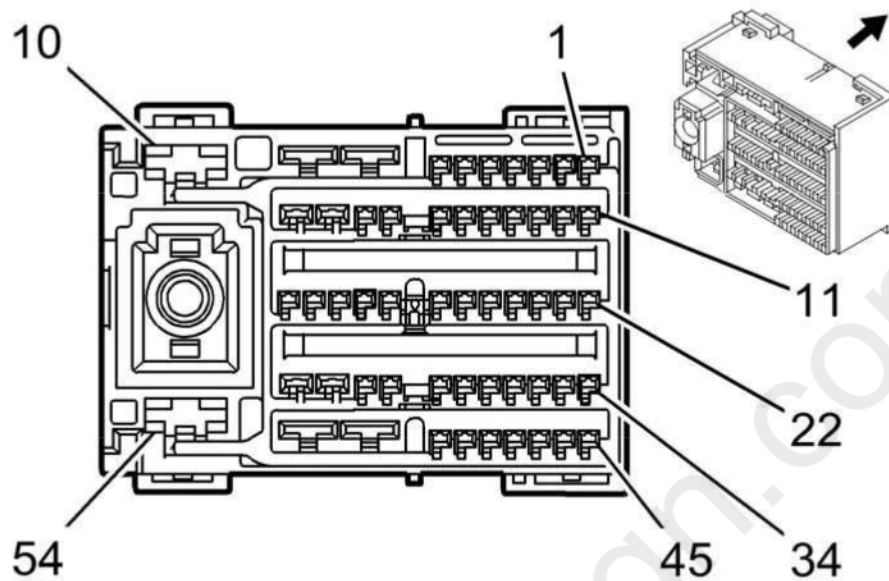


Fig. 9: Fuse Block - Underhood X3
Courtesy of GENERAL MOTORS CORP.

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

- Pins: 1, 3, 5, 7, 13, 23-26, 28-30, 32, 33, 34, 36, 38, 40-42, 45-47, 49, 51 (LSA)
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4100-08/9
- Core/Insulation Crimp: Pins 1, 3, 5, 13, 24, 25, 26, 30, 32, 33, 34, 38, 41, 42, 45, 49 - E/C
- Core/Insulation Crimp: Pins 7, 23, 28, 29, 36, 40 (LSA), 46, 47, 51 (LSA) - E/A

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- Pins: 8
- Terminated Lead: 13575835
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4122-02/10
- Core/Insulation Crimp: Pins 8 - D/G
- Core/Insulation Crimp: Pins 9 - A/B

- Pins: 20
- Terminated Lead: 13575839
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4112-02/9
- Core/Insulation Crimp: C/D

- Pins: 40 (without LSA)
- Terminated Lead: 13575829
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: Not Available

- Pins: 51 (without LSA)
- Terminated Lead: 13578892
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: C/A

- Pins: 54
- Terminated Lead: 13578927
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-22 (RD)
- Terminal/Tray: 7116-3250/10
- Core/Insulation Crimp: G/3

Fuse Block - Underhood X3

Pin	Wire	Circuit	Function
1	0.35 L-BU	5986	Serial Data Wakeup

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2	-	-	Not Used
3	0.5 D-BU	473	High Speed Cooling Fan Relay Control
4	-	-	Not Used
5	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control
6	-	-	Not Used
7	0.8 RD/WH	440	Battery Positive Voltage (MYA or MYB or MYD)
8	5 RD/BK	42	Battery Positive Voltage
9	3 PU	6	Starter Solenoid Crank Voltage
10-12	-	-	Not Used
13	0.5 PK	339	Ignition 1 Voltage
	0.5 PK	339	Ignition 1 Voltage (MYA or MYB or MYD)
14-19	-	-	Not Used
20	2 RD/WH	240	Battery Positive Voltage
21-22	-	-	Not Used
23	1 PK/BK	5293	Powertrain Main Relay Fused Supply
24	0.5 PK	339	Run/Crank Ignition 1 Voltage (LLT)
25	0.5 YE	447	Starter Relay Coil Control
26	0.5 D-BU	5985	Accessory Wakeup Serial Data
27	-	-	Not Used
28	0.8 PK/BK	5294	Battery Positive Voltage (LSA or LLT with MV7)
	0.5 PK/BK	5294	Battery Positive Voltage (LSA or LLT with MYB)
29	1 BK	650	Ground (LSA)
30	0.5 GY	5295	Ignition 1 Voltage (MV7)
	0.5 GY	5295	Ignition 1 Voltage (LF1 or LLT)
31	-	-	Not Used
32	0.5 RD/WH	5540	Battery Positive Voltage (LSA)
33	0.5 D-GN	59	A/C Compressor Clutch Supply Voltage
34	0.5 WH	17	Stop Lamp Supply Voltage
35	-	-	Not Used
36	1 PK/BK	5291	Ignition 1 Voltage (LF1 or LLT)
	1 PK/BK	5290	Ignition 1 Voltage (LSA)
37	-	-	Not Used
38	0.35 D-BU	5985	Accessory Wakeup Serial Data (without MN6)
39	-	-	Not Used
40	0.5 PK/BK	5294	Battery Positive Voltage
41	0.5 D-GN	335	Low Speed Cooling Fan Relay Control
42	0.5 BN	5069	Main Relay Control
43-45	-	-	Not Used

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46	1 BK	1150	Ground (LF1 or LLT)
		650	Ground (LSA)
47	1 PK/BK	5292	Ignition 1 Voltage
48	-	-	Not Used
49	0.35 L-BU	5986	Serial Data Communication Enable (MG9)
50	-	-	Not Used
51	1 PK/BK	5290	Ignition 1 Voltage (LF1 or LLT)
51	1 PK/BK	5291	Ignition 1 Voltage (LSA)
52-53	-	-	Not Used
54	1 RD/WH	3640	Battery Positive Voltage (LF1 or LLT)

Terminal Part Information

- Harness Type: Engine Harness
- Terminal: 7003611702
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

Fuse Block - Underhood X4 (To Starter/Generator)

Pin	Wire	Circuit	Function
+	50 RD	1	Battery Positive Voltage
	19 RD	1	Battery Positive Voltage

Terminal Part Information

- Harness Type: Body Harness
- Terminal: 7003-6115-02
- Core/Insulation Crimp: N/A
- Description: Ring Terminal

Fuse Block - Underhood X4 (To Battery)

Pin	Wire	Circuit	Function
+	40 RD	1	Battery Positive Voltage

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Device	Rating	Description
LF/FRT/PWR/SEAT Circuit Breaker	25A	Memory Seat Module (MSM), Seat Adjuster Switch - Driver
PWR/CLMN Circuit Breaker	25A	Memory Seat Module (MSM)
PWR/WNDW Circuit Breaker	25A	Window Motor - Driver, Window Motor - Passenger
RT/FRT/PWR/SEAT Circuit Breaker	25A	Seat Adjuster Switch - Passenger, Seat Lumbar Adjuster Switch - Passenger
AIRBAG Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module, Inflatable Restraint Front Passenger Presence System (PPS) Sensor
AMP Fuse	30A	Audio Amplifier
AUX/OUTLET Fuse	20A	Accessory Power Outlet - Center Console, Accessory Power Outlet - Rear
CNSTR/VENT Fuse	10A	Evaporative Emissions (EVAP) Canister Vent Solenoid Valve
DR/LCK Fuse	15A	LCK Relay, SPARE Relay, UNLCK Relay
ECM Fuse	15A	Engine Control Module (ECM)
FUEL/PUMP Fuse	20A	FUEL/PUMP Relay
FSCM Fuse (LSA)	30A	Fuel Pump Flow Control Module
LT/POS/LP Fuse	10A	Marker Lamp - Left Front, Park Lamp - Left Front, Tail Lamp - Left, Park Lamp Relay

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LT/REAR/WNDW Fuse	15A	Window Switch - Left Rear
MSM Fuse	10A	Memory Seat Module (MSM), Rear Object Sensor Control Module
ONSTAR Fuse	10A	Vehicle Communication Interface Module (VCIM), Television Antenna Module
PDM Fuse	15A	Door Lock/Window Switch - Passenger
RDO Fuse	15A	Radio, Radio/HVAC Control, Radio/HVAC Display
RDO/SPKR Fuse	15A	Speaker - Rear Subwoofer
REAR/FOG Fuse	10A	REARFOG Relay
REAR/WNDW Fuse	15A	Window Switch - Right Rear
RKE/PASS-KEY/MDL Fuse	10A	Remote Control Door Lock Receiver (RCDLR), Tire Pressure Module
RT/POS/LP Fuse	10A	RT/POS/LP Relay
RT/POS/LP Fuse	10A	Marker Lamp - Right Front, Park Lamp - Right Front, License Lamp - Left, License Lamp - Right
RVC/SNSR Fuse	10A	Body Control Module (BCM)
S/ROOF Fuse (except LSA)	30A	Sunroof Control Module, Sunroof Shade Module
SPARE Fuse	-	Not Used
SPARE Fuse	-	Not Used
STOP/LP Fuse	10A	STOP/LP Relay
THEFT/UGDO Fuse	10A	Theft Deterrent Alarm Siren, Intrusion Sensor, Garage Door Opener (GDO) (UG1), Vehicle Inclination Sensor (UA2), Theft Deterrent Alarm
TRUNK/RELSE Fuse	15A	TRUNK/RELSE Relay
FUEL/DR/RELSE Relay	-	Fuel Door Release Actuator (N08)
FUEL/PUMP Relay	-	Fuel Pump
LCK Relay	-	Theft Deterrent Alarm
LT/POS/LP Relay	-	LT/POS/LP Fuse, RT/POS/LP Fuse
REARFOG Relay	-	Fog Lamp - Left Rear, Fog Lamp - Right Rear
RT/POS/LP Relay	-	Marker Lamp - Right Front, Park Lamp - Right Front, License Lamp - Left, License Lamp - Right
STOP/LP Relay	-	Tail Lamp - Left, Tail Lamp - Right
TRUNK/RELSE Relay	-	Rear Compartment Lid Latch
UNLCK Relay	-	Door Latch - Left Rear, Door Latch - Right Rear

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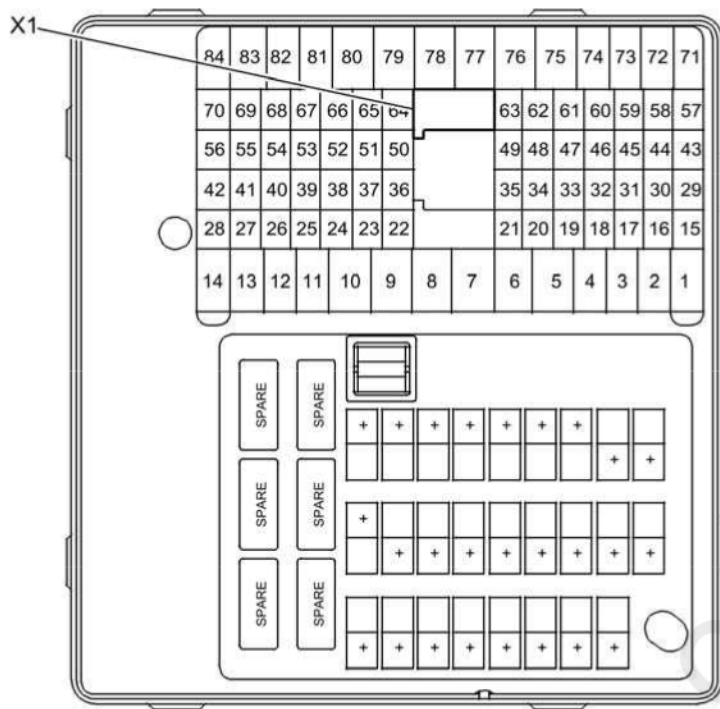


Fig. 13: Fuse Block - Rear Top View

Courtesy of GENERAL MOTORS CORP.

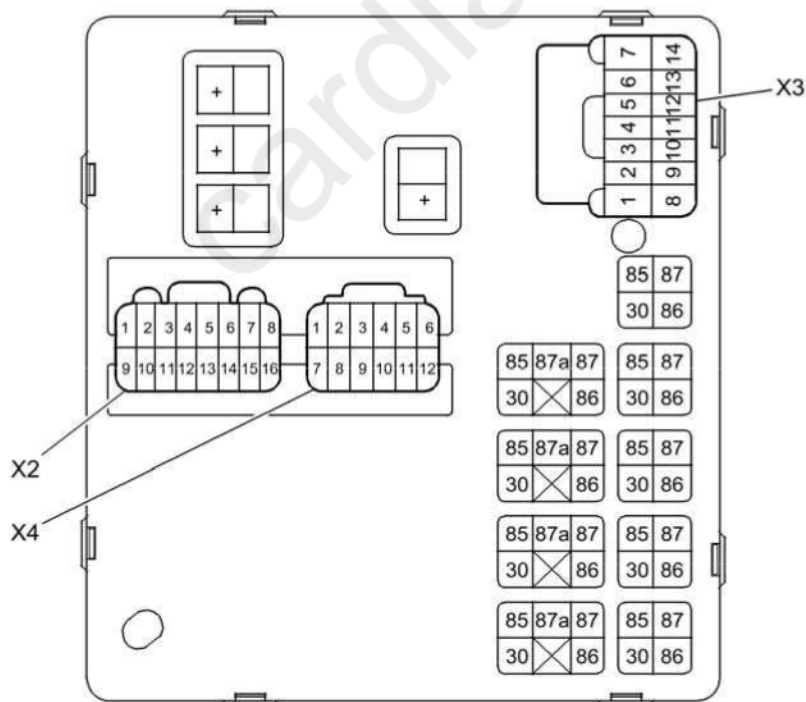
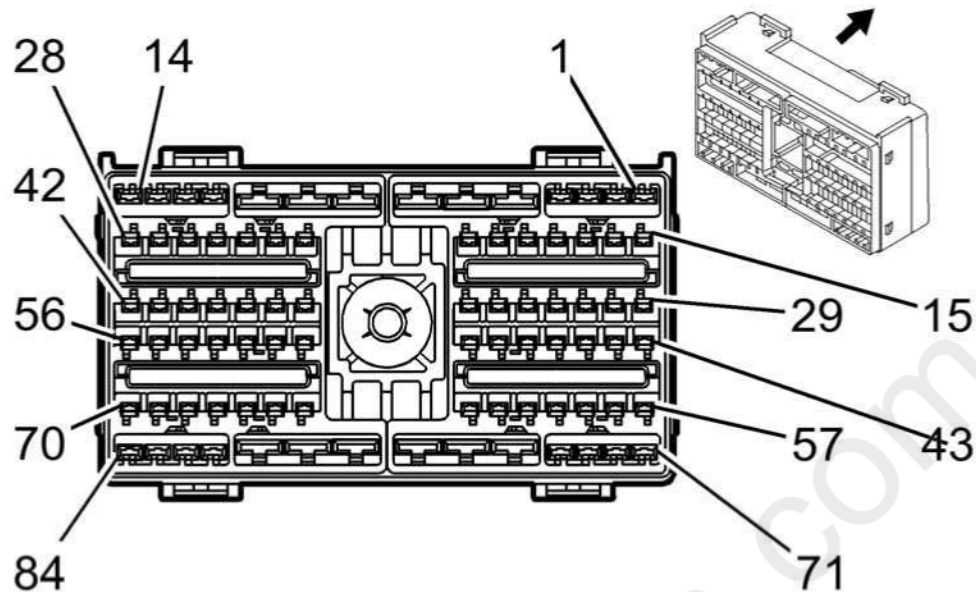


Fig. 14: Fuse Block - Rear Bottom View

Courtesy of GENERAL MOTORS CORP.

**Fig. 15: Fuse Block - Rear X1 Connector End View**

Courtesy of GENERAL MOTORS CORP.

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

- Pins: 2, 3, 12 (UTT)
- Terminated Lead: SEALED: 13578925 UNSEALED: 13575832
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4112-02/9
- Core/Insulation Crimp: C/D
- Pins: 5, 6, 76-78
- Terminated Lead: 13575835
- Release Tool: J-38125-11A

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- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4122-02/10
- Core/Insulation Crimp: Pins 5, 6, 76 - D/G
- Core/Insulation Crimp: Pins 77, 78 - A/B
- Pins: 8, 9, 79
- Terminated Lead: 13578928
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-42 (RD)
- Terminal/Tray: 7116-4121-02/10
- Core/Insulation Crimp: C/B
- Pins: 11
- Terminated Lead: 13575839
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4112-02/9
- Core/Insulation Crimp: Not Available
- Pins: 12 (without UTT)
- Terminated Lead: 13575832
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4112-02/9
- Core/Insulation Crimp: Not Available
- Pins: 13
- Terminated Lead: 13575838
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-35 (VT)
- Terminal/Tray: 7116-4111-02/9
- Core/Insulation Crimp: C/A
- Pins: 17- 20, 22, 23, 25, 27-29, 31, 33, 34, 36, 37, 39, 42, 46, 48-55, 60-65, 69
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4100-08/9
- Core/Insulation Crimp: Pins 17, 20, 22, 23, 27, 33, 34, 36, 37, 39, 46, 48-51, 55, 61, 62, 63, 65, 69

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- E/C

- Core/Insulation Crimp: Pins 18, 19, 25, 28, 29, 31, 42, 52-54, 60, 64 - E/A
- Pins: 26, 29, 52
- Terminated Lead: 13578892
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: C/A

Fuse Block - Rear X1

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	3 RD/BK	1042	Battery Positive Voltage
3	3 RD/WH	3240	Battery Positive Voltage (LP1 or LY7 or LLT)
	3 RD/WH	2840	Battery Positive Voltage (LSA)
4	-	-	Not Used
5	5 RD	1	Battery Positive Voltage
6	5 RD	1	Battery Positive Voltage
7	-	-	Not Used
8	2 RD/WH	4340	Battery Positive Voltage
9	2 RD/WH	4340	Battery Positive Voltage
10	-	-	Not Used
11	0.5 BN/WH	309	Park Lamp Supply Voltage (T90)
	0.8 BN/WH	309	Park Lamp Supply Voltage (V2S)
12	1 GY	295	Door Lock Actuator Lock Control (Coupe with N08 without UTT, Sedan or Wagon without N08)
	1 GY	295	Door Lock Actuator Lock Control (Sedan or Wagon without N08 or UTT)
	2 GY	5911	Door Lock Actuator Lock Control 2 (UTT)
13	1 RD/WH	4240	Battery Positive Voltage
14-16	-	-	Not Used
17	0.35 RD/WH	140	Battery Positive Voltage
18	-	-	Not Used
19	0.8 RD/WH	5040	Battery Positive Voltage (Wagon)
20	0.5 L-BU	1320	CHMSL Supply Voltage (T90)
21	0.8 L-BU	20	Stop Lamp Supply Voltage (V2S)
22	0.35 YE	1977	Rear Fog Lamp Relay Control (Coupe with T79)
	0.35 TN	6188	Trunk Motor Release Control (Sedan)

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23	0.35 RD/WH	4540	Battery Positive Voltage (UTR or UTT or UTU or UTV or V2S)
24	-	-	Not Used
25	1 RD/WH	5140	Battery Positive Voltage (Coupe or Wagon)
26	1 RD/WH	1040	Battery Positive Voltage
27	1 RD/WH	1701	Battery Positive Voltage
28	1 BK	1050	Ground
29	1 RD/WH	4440	Battery Positive Voltage (UQS)
30	-	-	Not Used
31	1 RD/WH	3340	VCIM Power Supply (UE1)
32	-	-	Not Used
33	0.5 RD/WH	5040	Battery Positive Voltage (Coupe or Wagon)
34	0.5 L-BU	1320	CHMSL Supply Voltage (T90)
35	0.35 L-BU	20	Stop Lamp Supply Voltage (T90)
	0.35 L-BU	20	Stop Lamp Supply Voltage (T90)
36	0.35 WH	93	Fuel Door Release Relay Control (N08)
37	0.35 RD/WH	4540	Battery Positive Voltage (UTU)
38	-	-	Not Used
39	0.5 BN	2209	Rear Park Lamp Supply Voltage (T90)
40-44	-	-	Not Used
45	1 RD/WH	3040	Battery Positive Voltage (V2S)
46	0.5 BN/WH	309	Right Park Lamp Supply Voltage (T90)
47	-	-	Not Used
48	0.35 WH	1080	Park Lamp Relay Control (T90)
49	0.35 RD/WH	3140	Battery Positive Voltage (A45 or Coupe)
50	0.35 D-BU	45	Park Lamp Relay Control
51	0.35 RD/WH	4540	Battery Positive Voltage (U2R or U2S or U2T with UVC, UG1 or UTV)
52	2.0 RD/WH	2840	Fuel Pump Flow Control Module Supply Voltage (LF1/LLT)
	1.0 RD/WH	2840	Fuel Pump Flow Control Module Supply Voltage (LSA)
53	1 PK	79	Fuel Door Release Solenoid Supply Voltage (N08)
54	1 TN	294	Door Lock Actuator Unlock Control (Sedan or Wagon with UTT)
55	0.5 RD/WH	3040	Battery Positive Voltage (Coupe with T79)
56-59	-	-	Not Used
60	0.35 BN/WH	309	Right Park Lamp Supply Voltage (T90)
	0.5 BN/WH	309	Right Park Lamp Supply Voltage (T90)
61	0.35 D-GN	801	Retained Accessory Power Fuse Supply Voltage

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

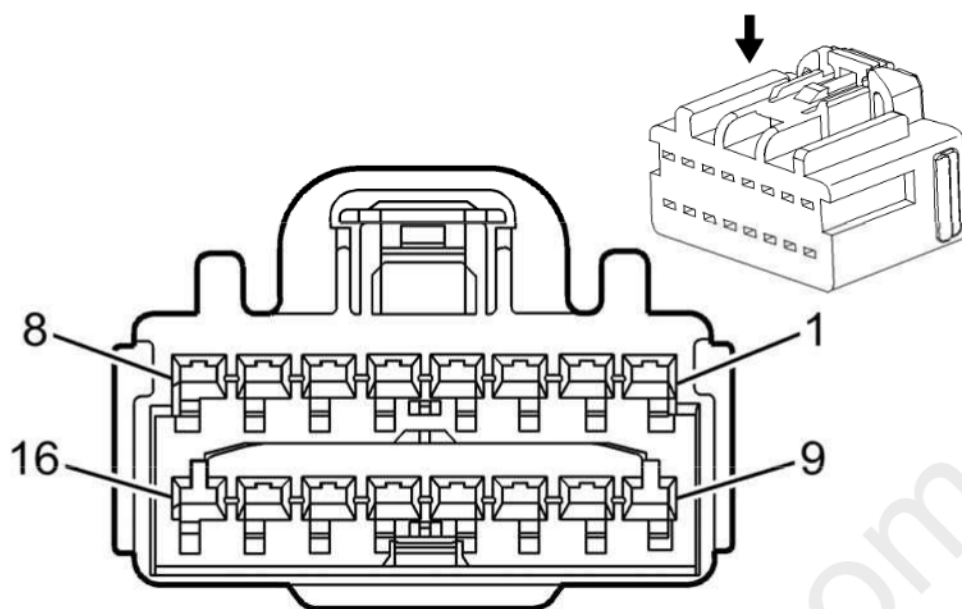


Fig. 16: Fuse Block - Rear X2 Connector End View
 Courtesy of GENERAL MOTORS CORP.

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

- Pins: 2, 8, 14, 16
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4100-08/9
- Core/Insulation Crimp: E/C
- Pins: 6, 10
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9

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- Core/Insulation Crimp: E/A
- Pins: 15
- Terminated Lead: 13578892
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: C/A

Fuse Block - Rear X2

Pin	Wire	Circuit	Function
1	-	-	Not Used
2	0.5 RD/WH	2940	Battery Positive Voltage
3-5	-	-	Not Used
6	0.8 RD/WH	4040	Battery Positive Voltage
7	-	-	Not Used
8	0.35 RD/WH	1740	Battery Positive Voltage
9	-	-	Not Used
10	1 RD/WH	4640	Battery Positive Voltage (Sedan or Wagon)
11-13	-	-	Not Used
14	0.35 RD/WH	3440	Battery Positive Voltage (ATG or ATH or BTM)
15	2 RD/WH	1640	Battery Positive Voltage (Wagon)
16	0.35 RD/WH	1740	Battery Positive Voltage

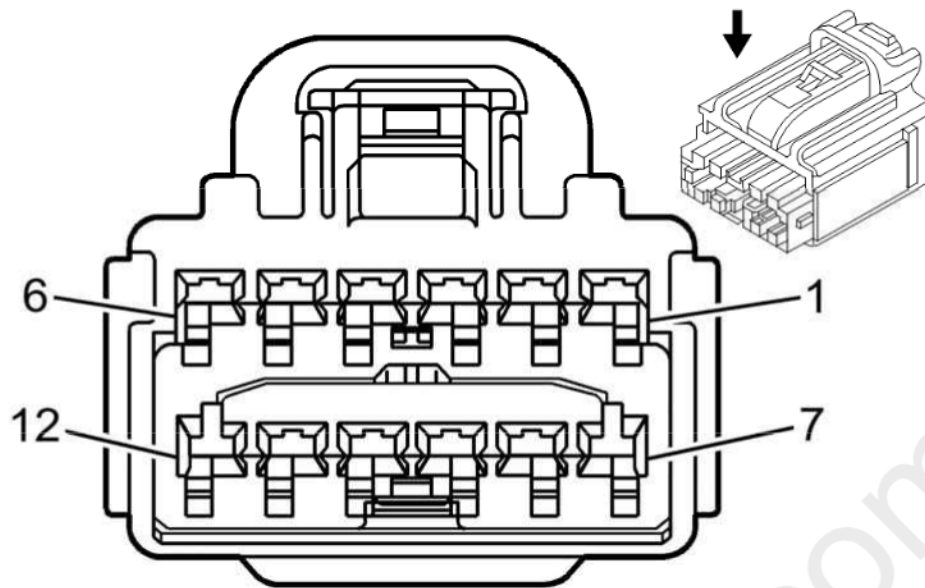


Fig. 17: Fuse Block - Rear X4 Connector End View

Courtesy of GENERAL MOTORS CORP.

Connector Part Information

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

Terminal Part Information

- Pins: 1
- Terminated Lead: 13575829
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9
- Core/Insulation Crimp: E/A
- Pins: 3, 5, 7, 9, 11
- Terminated Lead: 13575850
- Release Tool: J-38125-11A
- Diagnostic Test Probe: J-35616-2A (GY)
- Terminal/Tray: 7116-4101-08/9

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- Core/Insulation Crimp: E/A

Fuse Block - Rear X4

Pin	Wire	Circuit	Function
1	0.5 PU	709	Left Park Lamp Supply Voltage (without T90)
	0.8 PU	709	Left Park Lamp Supply Voltage (V3S)
2	-	-	Not Used
3	1 RD/WH	4740	Battery Positive Voltage (Sedan or Wagon)
4	-	-	Not Used
5	0.35 L-GN	1391	Left Front Door Lock Relay Control (Sedan or Wagon with UTT or N08)
6	-	-	Not Used
7	0.35 PU	709	Left Park Lamp Supply Voltage
	0.5 PU	709	Left Park Lamp Supply Voltage
8	-	-	Not Used
9	0.35 L-BU	5921	Driver Door Unlock Relay Control (Sedan or Wagon with UTT)
10	-	-	Not Used
11	1 RD/WH	340	Battery Positive Voltage
12	-	-	Not Used