2003-05 ELECTRICAL

Fuses & Circuit Breakers - C/K Series Trucks

IDENTIFICATION

CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. For 2003 models, see COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION before disconnecting battery. For 2004-05 models, see appropriate COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION before disconnecting battery.

MODEL IDENTIFICATION

Body Code (1)	Model
C/K	Chevrolet Avalanche
C/K	Cadillac Escalade
C/K	Cadillac Escalade ESV
C/K	Cadillac Escalade EXT
C/K	GMC Sierra
C/K	Chevrolet Silverado
C/K	Chevrolet Suburban
C/K	Chevrolet Tahoe
C/K	GMC Yukon
C/K	GMC Yukon Denali
C/K	GMC Yukon XL
C/K	GMC Yukon XL Denali
(1) Vehicle body code is fifth character of VIN.	

LEFT INSTRUMENT PANEL FUSE BLOCK

NOTE: Instrument Panel (I/P) fuse block (left) is located at the left side of the I/P behind the access panel. See Fig. 1 .

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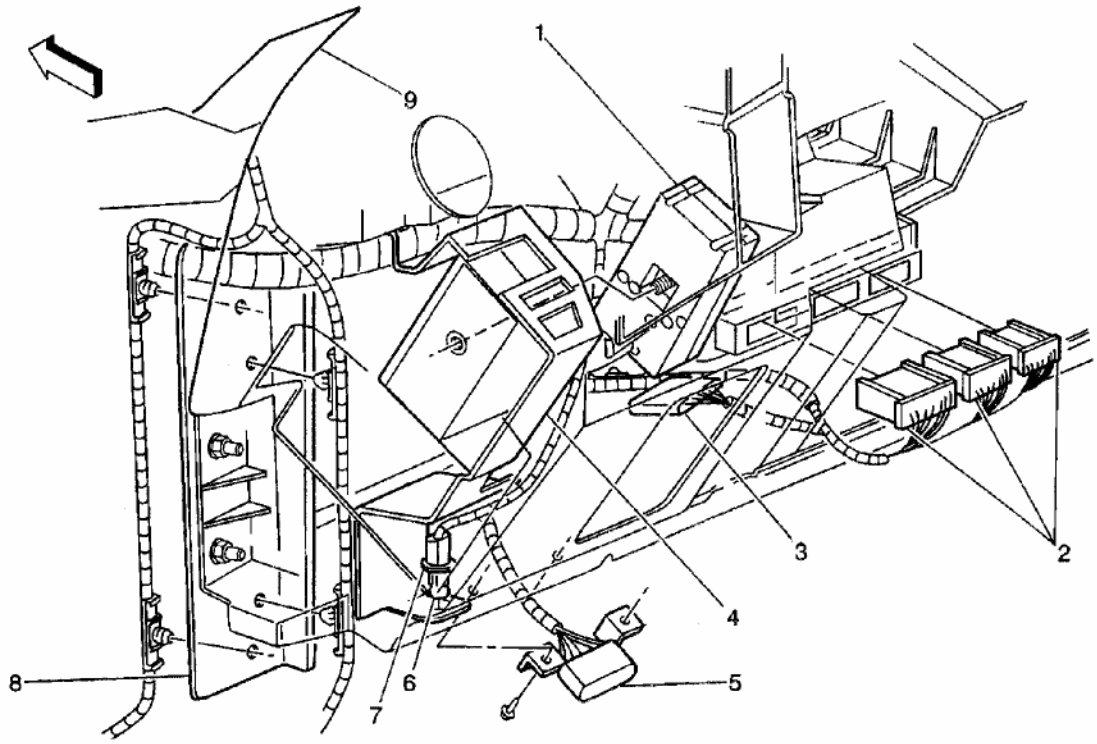

(1) Fuse Block Connector
(2) Body Control Module (BCM) Connector
(3) Splice Pack 205 (SP205)
(4) Fuse Block
(5) Data Link Connector (DLC)
(6) LH IP Courtesy Lamp
(7) LH IP Courtesy Lamp Socket
(8) LH IP Support to Dash
(9) Left Windshield Pillar Trim Panel

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Fig. 1: Locating Left Instrument Panel Fuse Block
Courtesy of GENERAL MOTORS CORP.

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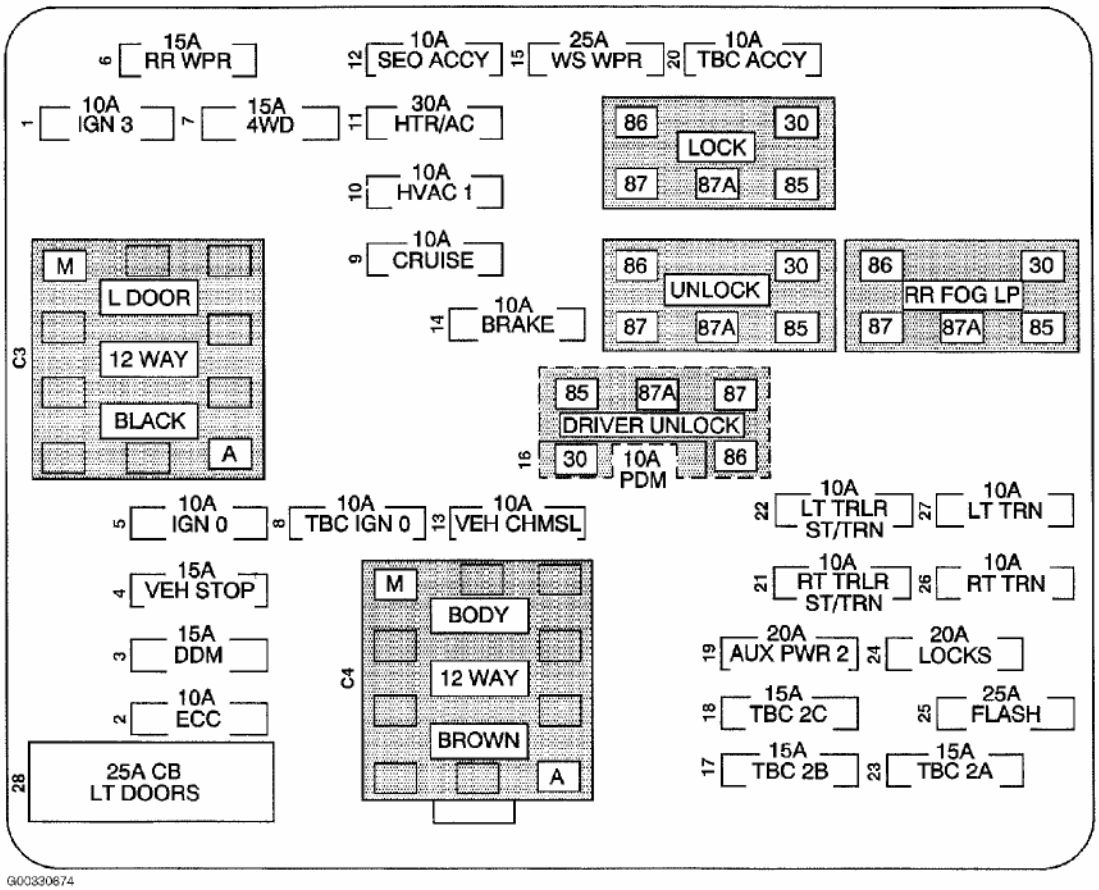

Fig. 2: Identifying Left Instrument Panel Fuse Block Components
Courtesy of GENERAL MOTORS CORP.

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Fuse #	Fuse	Rating	Description
1	IGN 3 Fuse	10A	HVAC Components, Electronic Suspension Control (ESC) Components, Heated Seat Modules-Rear, Rear Wheel Steering
2	ECC Fuse	10A	HVAC Control Assembly-Rear Auxiliary
3	DDM Fuse	15A	Driver Door Module (DDM)
4	VEH STOP Fuse	15A	Tail/Stop and Turn Signal Lamps-Rear, Throttle Actuator Control
5	IGN 0 Fuse	10A	Passlock Sensor, Automatic Transmission, Powertrain Control
6	RR WPR Fuse	15A	Rear Wiper/Washer Switch
7	4WD Fuse	15A	Front Axle Actuator, Transfer Case Shift Control Switch
8	TBC IGN 0 Fuse	10A	Body Control Module (BCM)
9	CRUISE Fuse	10A	Cruise Control Switch, Steering Wheel Speed/Position Sensor
10	HVAC 1 Fuse	10A	HVAC Control Module, HVAC Actuators
11	HTR/AC Fuse	30A	HVAC Control Module
12	SEO ACCY Fuse	10A	Upfitter Provisions
13	VEH CHMSL Fuse	10A	Center High Mounted Stop Lamp (CHMSL)
14	BRAKE Fuse	10A	Stop Lamp Switch, Electronic Brake Control Module (EBCM), Traction Control Switch
15	WS WPR Fuse	25A	Windshield Wiper Motor Module
16	PDM Fuse	10A	Front Passenger Door Module (FPDM)
17	TBC 2B Fuse	15A	Body Control Module (BCM)
18	TBC 2C Fuse	15A	Body Control Module (BCM)
19	AUX PWR 2 Fuse	20A	Accessory Power Outlet-D-Pillar
20	TBC ACCY Fuse	10A	Body Control Module (BCM)
21	RT TRLR ST/TRN Fuse	10A	Trailer Wiring
22	LT TRLR ST/TRN Fuse	10A	Trailer Wiring
23	TBC 2A Fuse	15A	Body Control Module (BCM)
24	LOCKS Fuse	20A	Door Lock/Unlock Relays
25	FLASH Fuse	25A	Turn Signal/Hazard Flasher Module
26	RT TRN Fuse	10A	Turn Signal Lamps-Right, Marker Lamps-Right, Front Passenger Door Module (FPDM), Instrument Panel Cluster (IPC)
27	LT TRN Fuse	10A	Turn Signal Lamps-Left, Marker Lamps-Left, Driver Door Module (DDM), Instrument Panel Cluster (IPC)
	LOCK Relay	--	Door Lock Actuator - Liftgate, Door Latch Assembly - LR/RR
	L DOOR 12 WAY-BLACK	--	Fuse Block - Left I/P C4 (Driver Door Harness)
	UNLOCK Relay	--	Door Lock Actuator - Liftgate, Door Latch Assembly - LR/RR
	RR FOG LP Relay	--	Rear Fog Lamps (Export)
	DRIVER UNLOCK Relay	--	Not Used
	BODY 12 - WAY BROWN	--	Fuse Block - Left I/P C3 (Body Harness)
	CB LT DOORS	25A	Window Switch - LR, Driver Door Module (DDM)

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Fig. 3: Left Instrument Panel Fuse Block Legend
Courtesy of GENERAL MOTORS CORP.

RIGHT INSTRUMENT PANEL FUSE BLOCK

NOTE: Instrument Panel (I/P) fuse block (right) is located at the right side of the I/P behind the access panel. See Fig. 4 .

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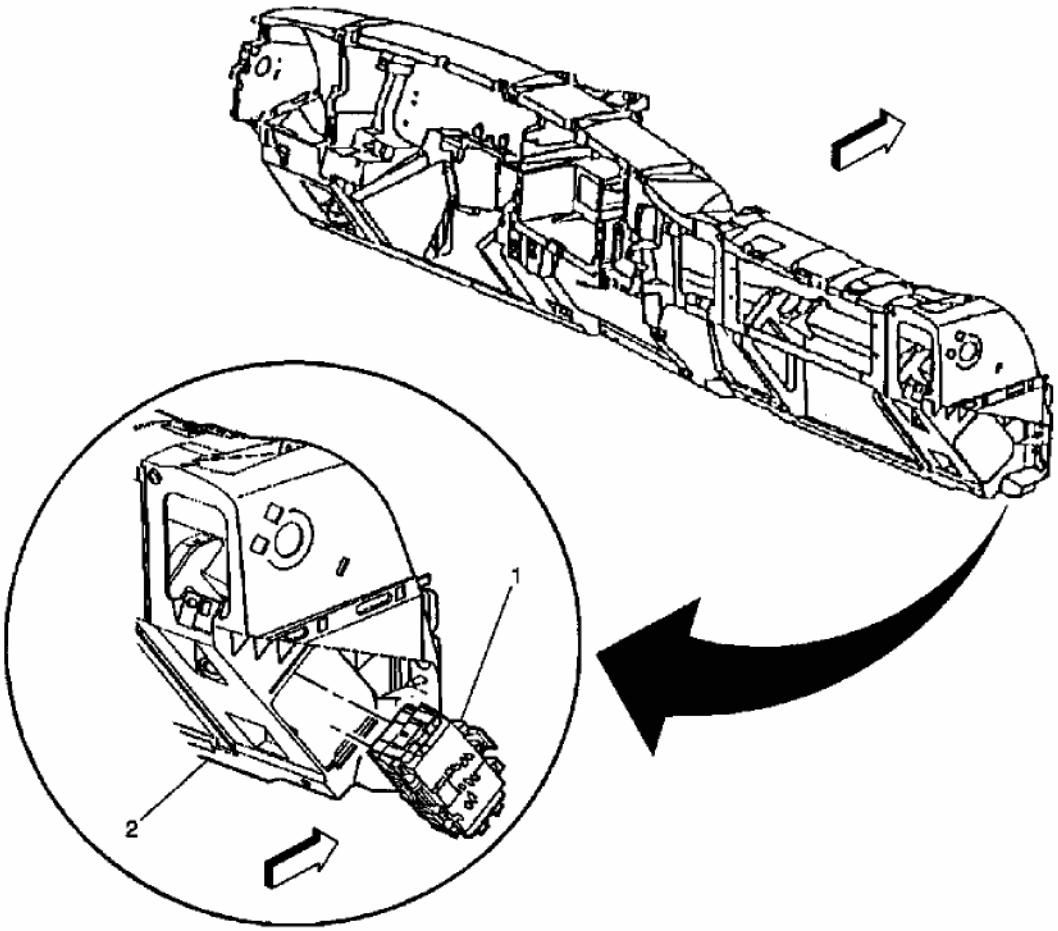

(1) Fuse Block-Right I/P (2) Instrument Panel

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Fig. 4: Locating Right Instrument Panel Fuse Block
Courtesy of GENERAL MOTORS CORP.

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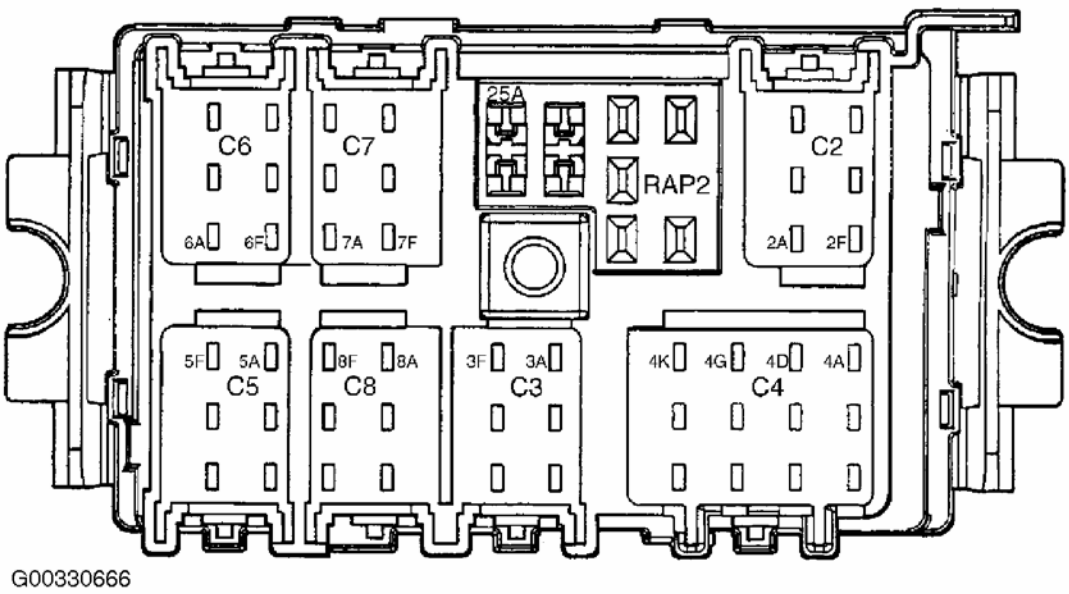

Fig. 5: Identifying Right Instrument Panel Fuse Block Components
Courtesy of GENERAL MOTORS CORP.

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Pin	Wire Color	Circuit No.	Function
2A	DK GRN	117	Right Front Speaker Output (-)
	DK GRN	117	Right Front Speaker Output (-) (UQ7 w/Y91)
2B	LT GRN	200	Right Front Speaker Output (+)
	LT GRN	200	Right Front Speaker Output (+) (UQ7 w/Y91)
2C-2E	--	--	Not Used
2F	BLK	1050	Ground
4A	BLK	1050	Ground
4B	ORN	52	Blower Motor High Control (w/CJ3)
	GRY/BLK	2337	Lower Right Air Temperature Sensor Signal (w/CJ2)
4C	PPL	73	Medium 3 Blower Motor Control (w/CJ3)
	BRN	718	Low Reference (w/CJ2)
4D	RED	542	Battery Positive Voltage
4E	TAN	63	Auxiliary Blower Motor Medium 1 Control (w/CJ3)
	PPL	1838	Recirculation Door Position Signal (w/CJ2)
4F	PPL/WHT	760	Auxiliary Front Blower Motor Switch Signal (w/CJ2)
4G	YEL	60	Blower Motor Low Control (w/CJ3)
4H	--	--	Not Used
4J	LT BLU/BLK	1688	5 Volt Reference (w/CJ2)
4K	LT BLU	72	Medium 2 Blower Motor Control (w/CJ3)
4L	YEL	1791	Low Reference (w/CJ2)
4M	--	--	Not Used
5A	--	--	Not Used
5B	LT GRN	2275	Mode Door Position Signal (w/CJ2)
5C	TAN	2273	Mode Door Control (w/CJ2)
5D	DK BLU	1199	Left Air Temperature Door Control (w/CJ2)
5E	LT BLU	733	Left Air Temperature Door Position Signal (w/CJ2)
5F	--	--	Not Used
6A	ORN	3840	Battery Positive Voltage (w/CF5)
6B	BRN	2409	Interior Park Lamps Supply Voltage
6C	BLK	1050	Ground
6D	DK BLU	1353	RAP Supply Voltage (w/CF5)
6E	BRN/WHT	230	Instrument Panel Lamps Dimming Control (w/CF5)
6F	--	--	Not Used
7A	--	--	Not Used
7B	TAN	1047	PDM Class 2 Serial Data
7C	ORN	4240	Battery Positive Voltage
7D	--	--	Not Used
7E	ORN	1340	Battery Positive Voltage
7F	DK BLU	2115	Right Turn Signal Lamps Supply Voltage
8A	WHT/BLK	2339	Lower Left Air Temperature Sensor Signal (w/CJ2)
8B	--	--	Not Used
8C	BRN	341	Ignition 3 Voltage
8D	DK BLU	1646	Right Air Temperature Door Position Signal (w/CJ2)
8E	WHT/BLK	1236	Right Air Temperature Door Control (w/CJ2)
8F	DK GRN	1614	Recirculation Door Control (w/CJ2)

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Fig. 6: Right Instrument Panel Fuse Block Legend
Courtesy of GENERAL MOTORS CORP.

INSTRUMENT PANEL RELAY BLOCK

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NOTE: **Instrument panel relay block is located under the left side of instrument panel, between the left kick panel and the steering column.**

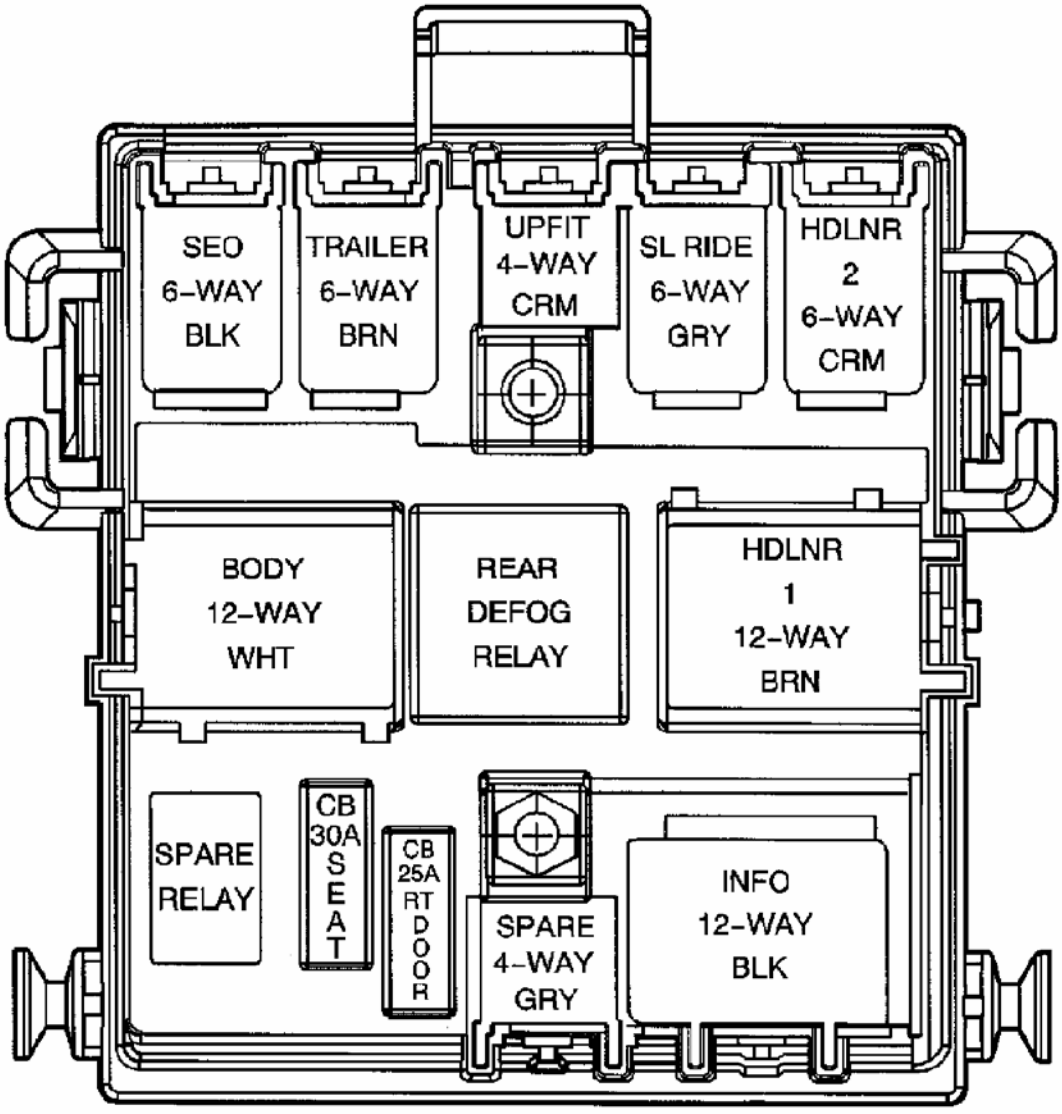

Fig. 7: Identifying Instrument Panel Relay Block Components
Courtesy of GENERAL MOTORS CORP.

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Relay/Circuit Breaker	Rating	Description
SEO- 6 - WAY- BLK	--	Relay Block - Body C8
TRAILER- 6 - WAY- BRN	--	Relay Block - Body C7
UPFIT- 4 - WAY- CRM	--	Trailer Provisions
SL RIDE- 6 - WAY- GRY	--	Relay Block - Body C5
HDLNR 2- 6 - WAY-CRM	--	Relay Block - Body C4
BODY-12 - WAY-WHT	--	Relay Block - Body C10
DEFOG Relay	--	RR DEFOG Fuse
HDLNR 1-12 - WAY-BRN	--	Relay Block - Body C3
SPARE-RELAY	--	Not Used
SEAT-Circuit Breaker	30A	Seat Adjuster Switch - Driver, Memory Seat Module, Lumbar Bolster Switch - Front Passenger, Seat Adjuster Switch - Front Passenger
RT DOOR-Circuit Breaker	25A	Front Passenger Door Module (FPDM), Window Switch - RR
SPARE-4 - WAY-GRY	--	Not Used
INFO-12 - WAY-BLK	--	Relay Block - Body C9

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Fig. 8: Instrument Panel Relay Block Legend
Courtesy of GENERAL MOTORS CORP.

UNDERHOOD FUSE BLOCK

NOTE: Underhood fuse block is located at the left side of the engine compartment to the rear of the battery. See Fig. 9 .

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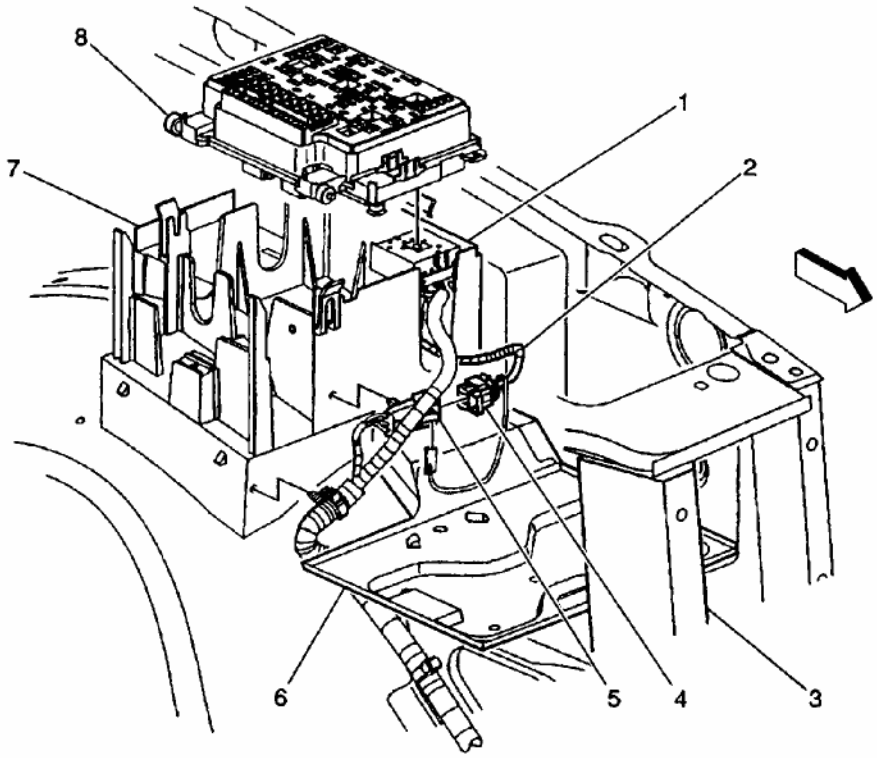

(1) Engine Wiring Harness Junction Block Bracket
(2) Inflatable Restraint Harness
(3) Radiator Support
(4) Inflatable Restraint Electrical Connector (IP) (C103)
(5) Inflatable Restraint Electrical Connector (Sensor) (C103)
(6) LH Battery Tray
(7) Engine Wiring Harness Junction Block Bracket
(8) Engine Wiring Harness Junction Block Bracket

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

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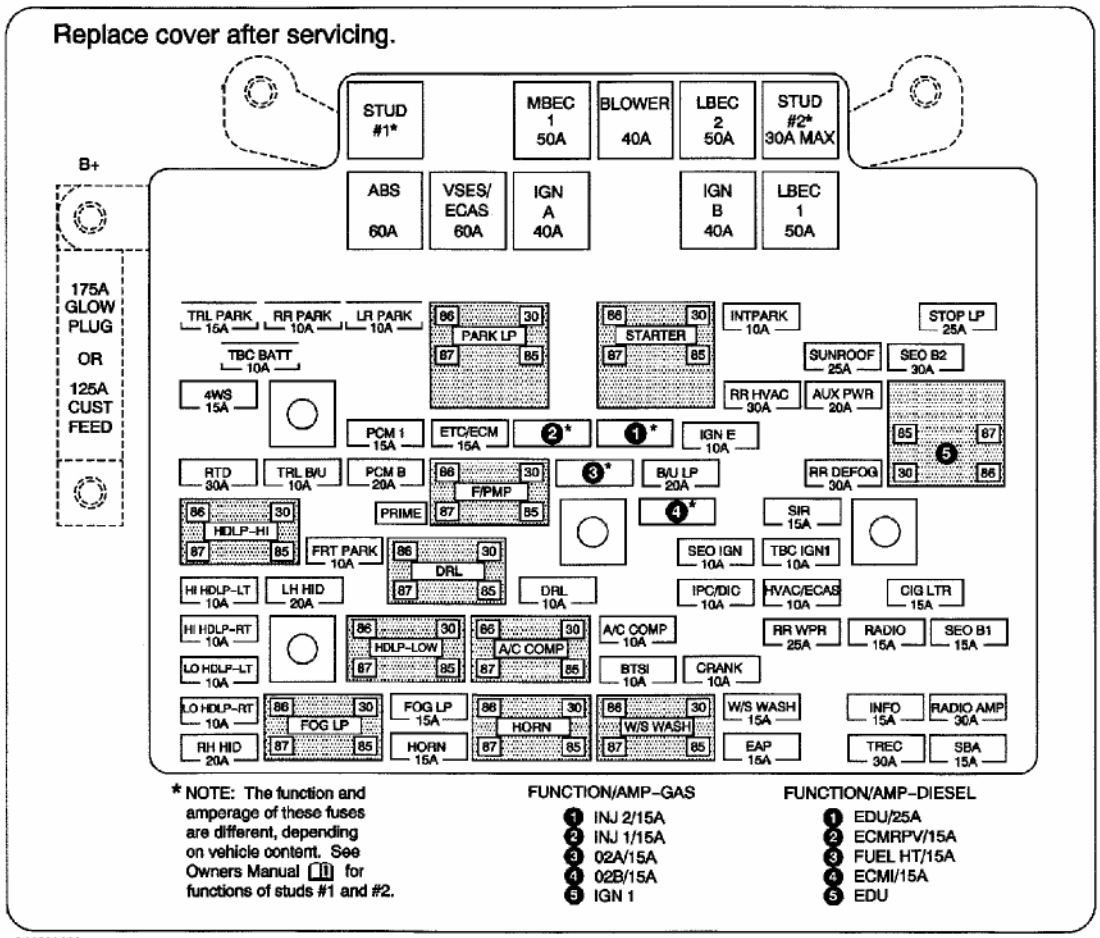

Fig. 10: Identifying Underhood Fuse Block Components
Courtesy of GENERAL MOTORS CORP.

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Fig. 11: Underhood Fuse Block legend (1 Of 2)
Courtesy of GENERAL MOTORS CORP.

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ATM Fuses & Relays Continued		
SIR	15A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Memory Seat Module-Passenger, Inside Reaview Mirror
FRT PARK	10A	Park/Turn Signal Lamps-Front, Marker Lamps-Front
DRL Relay	--	DRL Fuse
SEO IGN	10A	DEFOG Relay, Instrument Panel Cluster (IPC), Rear Object Sensor Control Module
TBC IGN 1	10A	Body Control Module (BCM)
HI HDLP-LT	10A	Headlamp-High Beam-Left
LH HID	20A	Headlamp Ballast-Left
DRL	10A	DRL Relay (Domestic), Daytime Running Lamps (Export)
IPC/DIC	10A	Instrument Panel Cluster (IPC)
HVAC/ECAS	10A	HVAC Control Module
CIG LTR	15A	Cigar Lighter, Data Link Connector (DLC)
HI HDLP-RT	10A	Headlamp-High Beam-Right
HDLP-LOW Relay	--	LO HDLP-LT Fuse
A/C COMP Relay	--	A/C Compressor Clutch Assembly
A/C COMP	10A	A/C COMP Relay
RR WPR	25A	Window Wiper Module-Rear
RADIO	15A	Entertainment System Components
SEO B1	15A	Insturment Panel Cluster (IPC), Rear Fog Lamp Relay, Overhead Console, Roof Beacon Switch
LO HDLP-LT	10A	Headlamp-Low Beam-Left, Headlamp Ballast-Left
BTSI	10A	Stop Lamp Switch
CRANK	10A	Powertrain Control Module (PCM)
LO HDLP-RT	10A	Headlamp-Low Beam-Right, Headlamp Ballast-Right
FOG LP Relay	--	FOG LP Fuse
FOG LP	15A	FOG LP Relay
HORN Relay	--	HORN Fuse
W/S WASH Relay	--	W/S WASH Fuse
W/S WASH	15A	W/S WASH Relay
INFO	15A	Vehicle Communication Interface Module (VCIM), Rear Seat Entertainment (RSE) Assembly, Remote Playback Device-CD Player
RADIO AMP	30A	Audio Amplifier
RH HID	20A	Headlamp Ballast-Right
HORN	15A	Horn-Left, Horn-Right
EAP	15A	Electronic Adjustable Pedals (EAP) Relay
TREC	30A	Transfer Case Encoder Motor, Transfer Case Shift Control Module
SBA	15A	Supplemental Brake Assist Pump Motor

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Fig. 12: Underhood Fuse Block Legend (2 Of 2)
Courtesy of GENERAL MOTORS CORP.

FUSIBLE LINKS

For information on fusible links and repairing them, refer to illustration. See **Fig. 13** .

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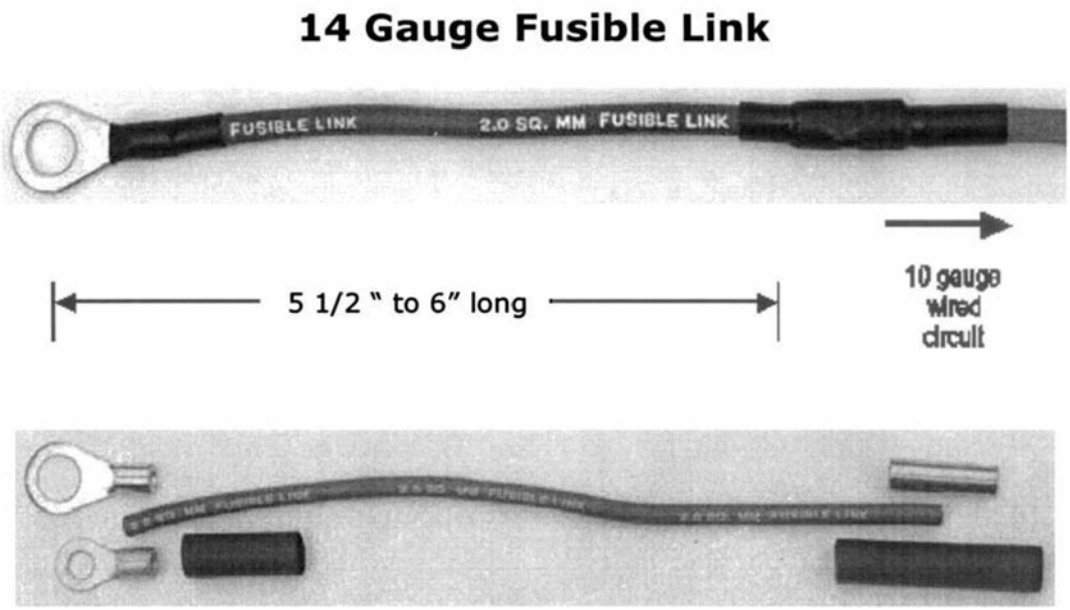
Circuit Protection - Fusible Links

Fusible link is wire designed to melt and break continuity when excessive current is applied. It is often located between or near the battery and starter or electrical center. Use a continuity tester or a DMM at each end of the wire containing the fusible link in order to determine if it is broken. If broken, it must be replaced with fusible link of the same gage size.

Repairing a Fusible Link

Repair the fusible link by replacing the entire fusible link assembly from generator to the starter.



# FL-18	18ga. Fusible Link	protects 14ga. or heavier wired systems
# FL-16	16ga. Fusible Link	protects 12ga. or heavier wired systems
# FL-14	14ga. Fusible Link	protects 10ga. or heavier wired systems
# FL-12	12ga. Fusible Link	protects 8ga. or heavier wired systems

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Fig. 13: Repairing Fusible Links
Courtesy of GENERAL MOTORS CORP.

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