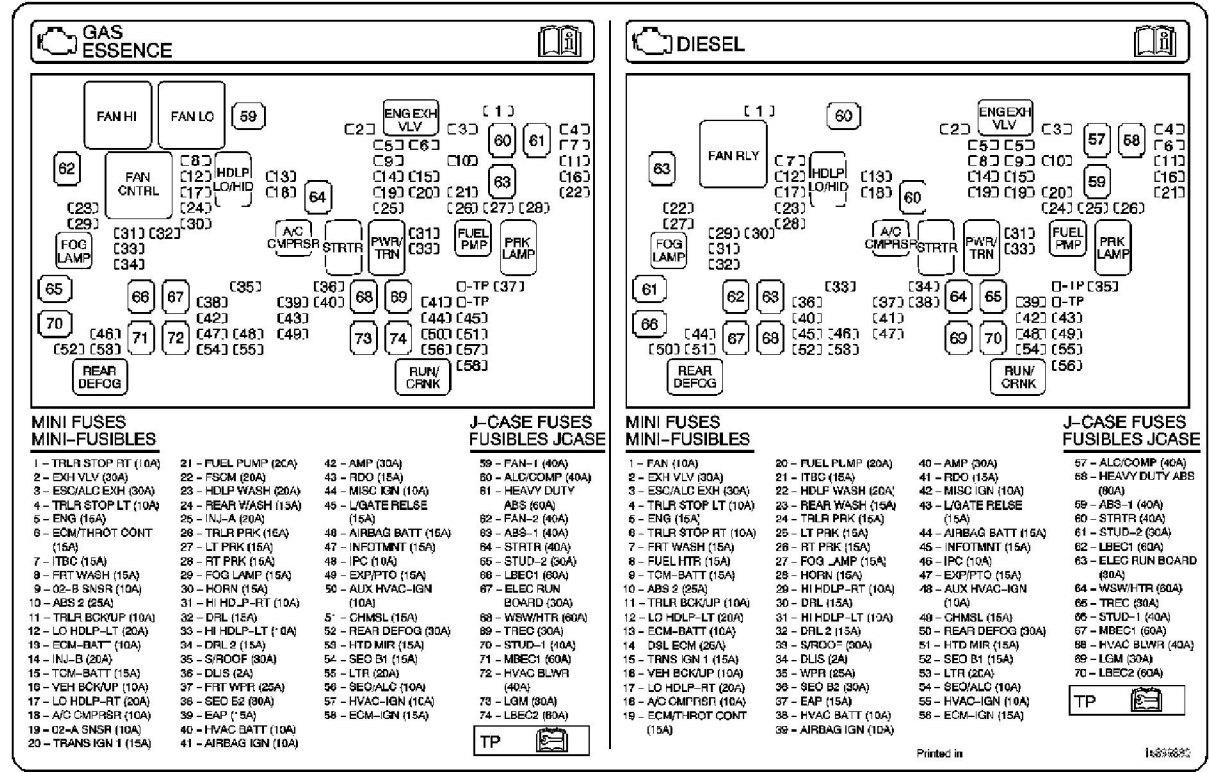


## UNDERHOOD FUSE BLOCK

**NOTE:** Underhood fuse block is located at the left side of the engine compartment.



**Fig. 4: Identifying Underhood Fuse Block Components**  
 Courtesy of GENERAL MOTORS CORP.

### Fuse Block - Underhood - Diesel

No.	Device	Rating	Description
1	FAN Fuse	10A	Fan Relay
2	EXH VLV Fuse	30A	Not Used
3	ESC/ALC EXH Fuse	30A	Not Used
4	TRLR STOP LT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (Export)
5	ENG Fuse	15A	Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
6	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (Export)
7	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
8	Fuel HTR Fuse	15A	Glow Plug Control Module (GPCM), Fuel Heater



No.	Device	Rating	Description
9	TCM-BATT Fuse	15A	Transmission Control Module (TCM)
10	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
11	TRLR BCK/UP Fuse	10A	Trailer Wiring
12	LO HDLP-LT Fuse	20A	Headlamp - Low Beam - Left
13	ECM-BATT Fuse	10A	Engine Control Module (ECM)
14	DSL ECM Fuse	25A	Engine Control Module (ECM)
15	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), Front Axle Actuator (NQF/NQG)
16	VEH BCK/UP Fuse	10A	Backup Lamp - Left, Backup Lamp - Right
17	LO HDLP-RT Fuse	20A	Headlamp - Low Beam - Right
18	A/C CMPSR Fuse	10A	A/C Compressor Clutch
19	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM)
20	FUEL PUMP Fuse	20A	Fuel Pump and Sender Assembly - Primary
21	ITBC Fuse	15A	Integrated Trailer Brake Controller (ITBC) Module (JL1)
22	HDLP WASH Fuse	20A	Not Used
23	REAR WASH Fuse	15A	Not Used
24	TRLR PRK Fuse	15A	Trailer Wiring
25	LT PRK Fuse	15A	License Lamp - Left, Marker Lamp - LF (Z88), Park/Turn Signal Lamp - LF Upper, Park/Turn Signal Lamp - LF Lower, Marker Lamp - LR (Z88), Tail/Stop and Turn Signal Lamp - Lower Left, Tail/Stop and Turn Signal Lamp - Upper Left, Clearance Lamp - LF (R05), Clearance Lamp - LR (R05), Clearance Lamp (U01), Roof Marker Lamp - Left (U01), Roof Marker Lamp - Right (U01)
26	RT PRK Fuse	15A	Marker Lamp - RF (Z88), Park/Turn Signal Lamp - RF Upper, Park/Turn Signal Lamp - RF Lower, Tail/Stop and Turn Signal Lamp - Lower Right, Tail/Stop and Turn Signal Lamp - Lower Right, Marker Lamp - RR (Z88), License Lamp - Right, Clearance Lamp - RF (R05), Clearance Lamp - RR (R05), Marker Lamp - Tailgate
27	FOG LAMP Fuse	15A	Fog Lamp - LF (T96), Fog Lamp - LF (T96)
28	HORN Fuse	15A	Horn - Left, Horn - Right(7Z1)
29	HI HEADLAMP-RT Fuse	10A	Headlamp - High Beam - Right
30	DRL Fuse	15A	DRL 2 Fuse
31	HI HEADLAMP-LT Fuse	10A	Headlamp - High Beam - Right
32	DRL 2 Fuse	15A	LO HDLP - LT Fuse, LO HDLP - RT Fuse
33	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
34	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)



No.	Device	Rating	Description
35	WPR Fuse	25A	Wiper 1 PCB Relay
36	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)
37	EAP Fuse	15A	PARK ENABLE Relay, ELECTRONIC ADJUSTABLE PEDALS Relay, I/P Multifunction Accessory Switch
38	HVAC BATT Fuse	10A	HVAC Control Module
39	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Passenger Air Bag ON/OFF Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
40	AMP Fuse	30A	Audio Amplifier (UQA)
41	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Controller (UK6)
42	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (Export), Stop Lamp Switch, Transfer Case Shift Control Module (NQF/NQH), Integrated Trailer Brake Controller (ITBC) Module (JL1)
43	L/GATE RELSE Fuse	15A	Not Used
44	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
45	INFOTMNT Fuse	15A	Video Display (U42), Rear Video Display (DNU), Vehicle Communication Interface Module (VCIM) (UE1)
46	IPC Fuse	10A	Body Control Module (BCM), Instrument Panel Cluster (IPC)
47	EXP/PTO Fuse	15A	Auxiliary Body Control Module (XBCM) (Export)/Power Take Off Relay (PTO)
48	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module (KA9)
49	CHMSL Fuse	15A	Cargo Lamp/Center High Mounted Stop Lamp (CHMSL)
50	REAR DEFOG Fuse	30A	Defogger Grid
51	HTD MIR Fuse	15A	Outside Rearview Mirror - Driver (-AN3), Outside Rearview Mirror - Passenger (-AN3)
52	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (Export), Power Take Off - (PTO) Module,
53	LTR Fuse	20A	Auxiliary Power Outlet - Front 1, Data Link Connector (DLC)
54	SEO/ALC Fuse	10A	Not Used
55	HVAC-IGN Fuse	10A	Air Temperature Actuator - Left (CJ2), Air Temperature Actuator - Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2/C67)



No.	Device	Rating	Description
56	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay - Secondary (LY6 -NQZ), Fuel System Control Module (FSCM)
57	ALC/COMP Fuse	40A	Not Used
58	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
60	STRTR Fuse	40A	Starter
61	STUD-2 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Controller Solid State Relay (JL1)
62	LBEC1 Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse
63	ELEC RUN BOARD Fuse	30A	Not Used
64	WSW/HTR Fuse	60A	Windshield Washer Solvent Heater (XA7)
65	TREC Fuse	30A	Transfer Case Shift Control Module (NQF/NQH)
66	STUD-1 Fuse	40A	Trailer Wiring
67	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASSENGER SEAT 1 Circuit Breaker, PWR REAR WNDW Circuit Breaker
68	HVAC BLWR Fuse	40A	Blower Motor Control Module
69	LGM Fuse	30A	Not Used
70	LBEC2 Fuse	60A	BCM Fuse, COOLED SEATS Fuse, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse
-	A/C CMPRSR Relay	-	A/C CMPRSR Fuse
-	ENG EXH VLV Relay	-	AXH VLV Fuse
-	FAN RLY Relay	-	Cooling Fan
-	FOG LAMP Relay	-	FOG LAMP Fuse
-	FUEL PMP Relay	-	FUEL PUMP Fuse
-	HDLP LO/HID Relay	-	LO HDLP - LT Fuse, LO HDLP - RT Fuse, DRL 2 Fuse
-	PRK LAMP Relay	-	LT PRK Fuse, RT PRK Fuse, TRLR PRK Fuse
-	PWR/TRN Relay	-	DSL ECM Fuse, ECM/THROT Fuse, ENG Fuse, Fan Fuse, FUEL HTR Fuse
-	REAR DEFOG Relay	-	REAR DEFOG Fuse
-	RUN/CRNK Relay	-	AIRBAG Fuse, AUX HVAC-IGN Fuse, IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
-	STRTR Relay	-	STRTR Fuse

**IMPORTANT:**

Relays listed  
below are non-  
serviceable  
Printed Circuit  
Board (PCB)



No.	Device	Rating	Description
<b>relays and are internal to the block.</b>			
-	BCK/UP LAMP PCB Relay	-	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
-	DRL PCB Relay	-	DRL Fuse
-	FRT WASH PCB Relay	-	FRT WASH Fuse
-	HI BEAM PCB Relay	-	HI HEADLAMP - LT Fuse, HI HEADLAMP - RT Fuse
-	HORN PCB Relay	-	HORN Fuse
-	L/GATE PCB Relay	-	L/GATE RELSE Fuse
-	LOCK PCB Relay	-	LCK 2 Fuse (YE9)
-	LOCK/UNLOCK PCB Relay	-	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3 - YE9)
-	REAR WASH PCB Relay	-	REAR WASH Fuse
-	TRLR STOP LT PCB Relay	-	TRLR STOP LT Fuse
-	TRLR STOP RT PCB Relay	-	TRLR STOP RT Fuse
-	UNLOCK PCB Relay	-	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
-	WIPER CONTROL PCB Relay	-	Windshield Wiper Motor
-	WIPER SPEED PCB Relay	-	Windshield Wiper Motor

### Fuse Block - Underhood - GAS

No.	Device	Rating	Description
1	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxilliary Body Control Module (XBCM) (Export)
2	EXH VLV Fuse	30A	Not Used
3	ESC/ALC EXH Fuse	30A	Not Used
4	TRLR STOP LT Fuse	10A	Trailer Wiring, Auxilliary Body Control Module (XBCM) (Export)
5	ENG Fuse	15A	Central Sequential Fuel Injection (Central SFI) (4.3L), Evaporative Emissions (EVAP) Canister Purge Solenoid Valve (4.8L,5.3L,6.0L and 6.2L), Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor, Valve Lifter Oil Manifold (VLOM) Assembly
6	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM)



No.	Device	Rating	Description
7	ITBC Fuse	15A	Integrated Trailer Brake Controller (ITBC) Module (JL1)
8	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
9	O2-B SNSR Fuse	10A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 2, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 2
10	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
11	TRLR BCK/UP Fuse	10A	Trailer Wiring
12	LO HDLP-LT Fuse	20A	Headlamp - Low Beam - Left
13	ECM-BATT Fuse	10A	Engine Control Module (ECM)
14	INJ-B Fuse	20A	Fuel Injector 2, Fuel Injector 4, Fuel Injector 6, Fuel Injector 8, Ignition Coil 2, Ignition Coil 4, Ignition Coil 6, Ignition Coil 8
15	TCM-BATT Fuse	15A	Transmission Control Module (TCM)
14	DSL ECM Fuse	25A	Engine Control Module (ECM)
15	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), Front Axle Actuator (NQF/NQG)
16	VEH BCK/UP Fuse	10A	Backup Lamp - Left, Backup Lamp - Right
17	LO HDLP-RT Fuse	20A	Headlamp - Low Beam - Right
18	A/C CMPRSR Fuse	10A	A/C Compressor Clutch
19	O2-A SNSR Fuse	10A	Heated Oxygen Sensor (HO2S) Bank 1 Sensor 1, Heated Oxygen Sensor (HO2S) Bank 2 Sensor 1
20	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), 1-2 Shift Solenoid (1-2 SS) Valve, 2-3 Shift Solenoid (2-3 SS) Valve, 3-2 Shift Solenoid (3-2 SS) Valve (M30/M70), Torque Converter Clutch (TCC) Solenoid Valve (M30/M70), Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve
21	FUEL PUMP Fuse	20A	Fuel Pump and Sender Assembly - Primary (-FSCM)
22	FSCM Fuse	20A	Fuel System Control Module (FSCM)
23	HDLP WASH Fuse	20A	Not Used
24	REAR WASH Fuse	15A	Not Used
25	INJ-A Fuse	20A	Fuel Injector 1, Fuel Injector 3, Fuel Injector 5, Fuel Injector 7, Ignition Coil 1, Ignition Coil 3, Ignition Coil 5, Ignition Coil 7
26	TRLR PRK Fuse	15A	Trailer Wiring
27	LT PRK Fuse	15A	License Lamp - Left, Marker Lamp - LF (Z88), Park/Turn Signal Lamp - LF Upper, Park/Turn Signal Lamp - LF Lower, Marker Lamp - LR (Z88), Tail/Stop and Turn Signal Lamp - Lower Left, Tail/Stop and Turn Signal Lamp - Upper Left, Clearance Lamp - LF (R05), Clearance Lamp - LR (R05), Clearance Lamp (U01), Roof Marker Lamp - Left (U01), Roof Marker Lamp - Right (U01)





No.	Device	Rating	Description
28	RT PRK Fuse	15A	Marker Lamp - RF (Z88), Park/Turn Signal Lamp - RF Upper, Park/Turn Signal Lamp - RF Lower, Tail/Stop and Turn Signal Lamp - Lower Right, Tail/Stop and Turn Signal Lamp - Lower Right, Marker Lamp - RR (Z88), License Lamp - Right, Clearance Lamp - RF (R05), Clearance Lamp - RR (R05), Marker Lamp - Tailgate
29	FOG LAMP Fuse	15A	Fog Lamp - LF (T96), Fog Lamp - LF (T96)
30	HORN Fuse	15A	Horn - Left, Horn - Right (7Z1)
31	HI HEADLAMP-RT Fuse	10A	Headlamp - High Beam - Right
32	DRL Fuse	15A	DRL 2 Fuse
33	HI HEADLAMP-LT Fuse	10A	Headlamp - High Beam - Right
34	DRL 2 Fuse	15A	LO HDLP - LT Fuse, LO HDLP - RT Fuse
35	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
36	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)
37	FRT WPR Fuse	25A	Wiper 1 PCB Relay
38	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)
39	EAP Fuse	15A	PARK ENABLE Relay, ELECTRONIC ADJUSTABLE PEDALS Relay, I/P Multifunction Accessory Switch
40	HVAC BATT Fuse	10A	HVAC Control Module
41	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Passenger Air Bag ON/OFF Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
42	AMP Fuse	30A	Audio Amplifier (UQA)
43	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Controller (UK6)
44	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (Export), Stop Lamp Switch, Transfer Case Shift Control Module (NQF/NQH), Integrated Trailer Brake Controller (ITBC) Module (JL1)
45	L/GATE RELSE Fuse	15A	Not Used
46	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
47	INFOTMNT Fuse	15A	Video Display (U42), Rear Video Display (DNU), Vehicle Communication Interface Module (VCIM) (UE1)
48	IPC Fuse	10A	Body Control Module (BCM), Instrument Panel Cluster (IPC)
49	EXP/PTO Fuse	15A	Auxiliary Body Control Module (XBCM) (Export)/Power Take Off Relay (PTO)



No.	Device	Rating	Description
50	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module (KA9)
51	CHMSL Fuse	15A	Cargo Lamp/Center High Mounted Stop Lamp (CHMSL)
52	REAR DEFOG Fuse	30A	Defogger Grid
53	HTD MIR Fuse	15A	Outside Rearview Mirror - Driver (-AN3), Outside Rearview Mirror - Passenger (-AN3)
54	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (Export), Power Take Off - (PTO) Module,
55	LTR Fuse	20A	Auxiliary Power Outlet - Front 1, Data Link Connector (DLC)
56	SEO/ALC Fuse	10A	Not Used
57	HVAC-IGN Fuse	10A	Air Temperature Actuator - Left (CJ2), Air Temperature Actuator - Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2/C67)
58	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay - Secondary (LY6 -NQZ), Fuel System Control Module (FSCM)
59	FAN-1 Fuse	40A	FAN LO Relay
60	ALC/COMP Fuse	40A	Not Used
61	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
62	FAN-2 Fuse	40A	FAN HI Relay
63	ABS-1 Fuse	40A	Electronic Brake Control Module (EBCM)
64	STRTR Fuse	40A	Starter
65	STUD-2 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Controller Solid State Relay (JL1)
66	LBEC1 Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse
67	ELEC RUN BOARD Fuse	30A	Not Used
68	WSW/HTR Fuse	60A	Windshield Washer Solvent Heater (XA7)
68	TREC Fuse	30A	Transfer Case Shift Control Module (NQF/NQH)
70	STUD-1 Fuse	40A	Trailer Wiring
71	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASSENGER SEAT 1 Circuit Breaker,PWR REAR WNDW Circuit Breaker
72	HVAC BLWR Fuse	40A	Blower Motor Control Module
73	LGM Fuse	30A	Not Used
74	LBEC2 Fuse	60A	BCM Fuse, COOLED SEATS Fuse, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse
-	A/C CMPRSR Relay	-	A/C CMPRSR Fuse





No.	Device	Rating	Description
-	ENG EXH VLV Relay	-	AXH VLV Fuse
-	FAN CNTRL Relay	-	Cooling Fan Control
-	FAN HI Relay	-	Cooling Fan - Right
-	FAN LO Relay	-	Cooling Fan - Left
-	FOG LAMP Relay	-	FOG LAMP Fuse
-	FUEL PMP Relay	-	FUEL PUMP Fuse
-	HDLP LO/HID Relay	-	LO HDLP - LT Fuse, LO HDLP - RT Fuse, DRL 2 Fuse
-	PRK LAMP Relay	-	LT PRK Fuse, RT PRK Fuse, TRLR PRK Fuse
-	PWR/TRN Relay	-	ECM/THROT CONT Fuse, ENG Fuse, INJ-A Fuse, INJ-B Fuse, O2-A SNSR Fuse, O2-B SNSR Fuse, FAN CNRTL PCB Relay, FAN HI PCB Relay, FAN LO PCB Relay
-	REAR DEFOG Relay	-	REAR DEFOG Fuse
-	RUN/CRNK Relay	-	AIRBAG Fuse, AUX HVAC-IGN Fuse, IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
-	STRTR Relay	-	STRTR Fuse
<p><b>IMPORTANT:</b>            Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.</p>			
-	BCK/UP LAMP PCB Relay	-	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
-	DRL PCB Relay	-	DRL Fuse
-	FRT WASH PCB Relay	-	FRT WASH Fuse
-	HI BEAM PCB Relay	-	HI HEADLAMP - LT Fuse, HI HEADLAMP - RT Fuse
-	HORN PCB Relay	-	HORN Fuse
-	L/GATE PCB Relay	-	L/GATE RELSE Fuse
-	LOCK PCB Relay	-	LCK 2 Fuse (YE9)
-	LOCK/UNLOCK PCB Relay	-	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3 - YE9)
-	REAR WASH PCB Relay	-	REAR WASH Fuse
-	TRLR STOP LT PCB Relay	-	TRLR STOP LT Fuse
-	TRLR STOP RT PCB Relay	-	TRLR STOP RT Fuse

No.	Device	Rating	Description
-	UNLOCK PCB Relay	-	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
-	WIPER CONTROL PCB Relay	-	Windshield Wiper Motor
-	WIPER SPEED PCB Relay	-	Windshield Wiper Motor

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