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KIA Sorento (UM; 2016-2019..) fuses and relays

Advertisements



In this article, we consider the third-generation KIA Sorento (UM), available from 2016 to the present. Here you will find fuse box diagrams of KIA Sorento 2016, 2017, 2018 and 2019, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout) and relay.

See other KIA Sorento:

Fuse Layout KIA Sorento 2016-2019...



Cigar lighter (power outlet) fuses in the KIA Sorento are located in the Engine compartment fuse box (see fuses “POWER OUTLET 1” (Front Power Outlet & Cigarette Lighter), “POWER OUTLET 2” (Front Power Outlet), “POWER OUTLET 3” (Rear Power Outlet) and “POWER OUTLET 4” (Luggage Power Outlet)).

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Fuse box location

Instrument panel

The fuse box is located behind the cover below the steering wheel.

Engine compartment

Main fuse



Inside the fuse/relay panel covers, you can find the label describing fuse/relay name and capacity. Not all fuse panel descriptions in this manual may be applicable to your vehicle.

Fuse box diagrams

2016

Instrument panel

Assignment of the fuses in the Instrument panel (2016)

Description	Amp rating	Protected component
AIR BAG IND.	10A	Cluster, A/C Control Module
A/CON 3	30A	Fuse - A/CON 2, Blower Motor
A/CON 2	7.5A	A/C Control Module (Auto)
START	7.5A	E/R Junction Block (Start Relay), Transaxle Range Switch
AIR BAG	15A	SRS Control Module, Passenger Occupant Detection Sensor
MODULE 2	10A	Crash Pad Switch, Tire Pressure Monitoring Module, 4WD ECM, Lane Departure Warning Module, Console Switch, Rear Parking Assist Sensor LH/RH, Rear Parking Assist Buzzer, Rear Parking Assist Sensor LH/RH (Center), Blind Spot Detection Radar LH/RH, Electric Parking Brake Module

Description	Amp rating	Protected component
ACC	10A	PCB Block (PDM (ACC) Relay, Power Outlet Relay), BCM, Audio, A/V & Navigation Head Unit, Surround View Monitoring Unit, Smart Key Control Module, AMP, USB Charger, Telematics Unit
MODULE 4	10A	Auto Head Lamp Leveling Device Module, Head Lamp Leveling Device Actuator LH/RH
BRAKE SWITCH	7.5A	Smart Key Control Module, Stop Lamp Switch
MODULE 3	10A	A/C Control Module, A/V & Navigation Head Unit, Electro Chromic Mirror, Driver IMS Control Module, ATM Shift Lever Indicator, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, Telematics Unit
MODULE 1	10A	BCM, Stop Lamp Switch, Driver/Passenger Doormodule
SMART KEY 1	15A	Smart Key Control Module
A/CON (RR)	15A	ICM Relay Box (Rear Blower Motor Relay)
SUNROOF 2	20A	Sunroof Control Module (Roller)
SUNROOF 1	20A	Sunroof Control Module (Glass)
CLUSTER	10A	Instrument Cluster
GATEWAY	10A	Gateway (MCU IG1)
IMMO.	10A	Smart Key Control Module, Immobilizer Module
IG1	15A	E/R Junction Block (Fuse - MDPS 3, TCU 1), PCB Block (Fuse - ABS 3, SENSOR 6, ECU 1, CRUISE)
MULTIMEDIA	15A	USB Charger, Audio, A/V & Navigation Head Unit, Telematics Unit
MEMORY 2	10A	Instrument Cluster, Data Link Connector, A/C Control Module, Rear A/C Control Module, Clock Spring, MUT, Electro Chromic

Description	Amp rating	Protected component
		Mirror, Driver/Passenger Door Module, Passenger Power Window Switch, Driver IMS Control Module
DOOR LOCK	20A	Door Lock Relay, Door Unlock Relay, Tail Gate Relay, DRIVER/PASSENGER/RL/RR DOOR MODULE
SMART KEY 2	10A	Start/Stop Button Switch, Smart Key Control Module, Immobilizer Module
WASHER	15A	BCM, Multifunction Switch
MDPS	7.5A	MDPS UNIT(COLUMN TYPE), Steering Angle Sensor
MEMORY 1	10A	BCM
HEATED STEERING	15A	BCM
WIPER (RR)	15A	Rear Wiper Relay, Rear Wiper Motor
A/CON 1	7.5A	A/C Control Module, Cluster Ionizer, E/R Junction Block (Blower Relay), ICM Relay Box (Rear Blower Motor Relay)
HEATED MIRROR	10A	A/C Control Module, Driver/Passenger Power Outside Mirror
MODULE 5	10A	BCM, Smart Key Control Module
MODULE 6	7.5A	Surround View Monitoring Unit, Rear A/C Control Module, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, AC Inverter Module, Crash Pad Switch
S/HEATER (RR)	15A	Rear Seat Warmer LH
S/HEATER (FRT)	20A	Front Air Ventilation Control Module, Front Seat Warmer Control Module

Description	Amp rating	Protected component
P/WINDOW (RH)	25A	Rear Safety Power Window RH, Rear Power Window Switch RH, Passenger Safety Power Window Module, Passenger Door Module, Passenger Power Window Switch
AMP 1	25A	AMP
MODULE 7	7.5A	Gateway (MCU B+), Sport Mode Switch, Key Solenoid, Tire Pressure Monitoring Module
INTERIOR LAMP	10A	Glove Box Lamp, Ignition Key Ill. & Door Warning Switch, Driver Foot Lamp, Vanity Lamp LH/RH Switch, Cargo Lamp, Center Room Lamp, Overhead Console Lamp, Rear Personal Lamp LH/RH
FUEL LID	10A	Fuel Filler & Tail Gate Switch
P/SEAT (DRV)	30A	Driver IMS Control Module, Driver Seat Manual Switch
P/SEAT (PASS)	30A	Passenger Seat Manual Switch
AMP 2	25A	AMP
P/WINDOW (LH)	25A	Rear Safety Power Window LH, Rear Power Window Switch LH, Driver Safety Power Window Module, Driver Door Module

Engine compartment

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Assignment of the fuses in the Engine compartment (2016, 2017)

Description	Amp rating	Protected component
MULTI FUSES:		
MDPS 1	100A	MDPS Unit (Rack Type)
MDPS2	80A	MDPS Unit (Column Type)
COOLING FAN 1	80A	Cooling Fan 1 Relay

Description	Amp rating	Protected component
B+1	60A	IGPM (Fuse - S/HEATER (RR), P/SEAT (DRV), P/SEAT (PASS), P/WINDOW (LH))
B+2	60A	IGPM (Fuse - S/HEATER (FRT), P/WINDOW (RH), FULE LID, AMP 1, AMP 2)
B+3	60A	IGPM (IPS 1, Fuse - MODULE 7, Leak Current Autocut Device Fuse - MULTIMEDIA, MEMORY 2, MEMORY 1), INTERIOR LAMP
B+5	50A	IGPM (IPS 0/IPS 2/IPS 3/IPS 4/IPS 5/IPS 6/IPS 7/IPS 8, Fuse - S/ROOF 1)
FUSES:		
B+4	40A	IGPM (Fuse - DOOR LOCK, SMART KEY 1, SMART KEY 2, BRAKE SWITCH, A/CON (RR), S/ROOF 2)
ABS 2	20A	ESC Module
ABS 1	40A	ESC Module, Multipurpose Check Connector
INVERTER	30A	AC Inverter Module
POWER TAIL GATE	30A	Power Tail Gate Module
TRAILER	30A	Trailer Power Outlet
BLOWER	40A	Blower Relay
AMS	10A	Battery Sensor
VACUUM PUMP	20A	[G4KH] Vacuum Pump
TCU 2	15A	[G4KJ/G4KH] PCM
EPB 1	15A	Electric Parking Brake Module

Description	Amp rating	Protected component
EPB 2	15A	Electric Parking Brake Module
4WD	20A	4WD ECM
ECU 2	15A	PCM
ECU 3	15A	[G6DH] IDB (Injector Driver Box)
MDPS 3	7.5A	MDPS Unit (Rack Type)
TCU 1	10A	Transaxle Range Switch
B/UP LAMP	7.5A	Rear Combination Lamp (IN) LH/RH, BCM, Electro Chromic Mirror, Audio(UVO)
ABS 3	7.5A	ESC Control Module, Multipurpose Check Connector
ECU 1	10A	PCM, [G6DH] IDB (Injector Driver Box)
IG 2	40A	RLV. 4 (Start Relay), PDM (IG2) Relay, Ignition Switch
POWER OUTLET 1	20A	Front Power Outlet & Cigarette Lighter
SENSOR 6	7.5A	[G4KH] Brake Vacuum Switch, Vacuum Pump
POWER OUTLET 2	20A	Front Power Outlet
CRUISE	7.5A	Smart Cruise Control Radar
ECU 4	20A	[G4KJ/G4KH] PCM (E-CVVT Relay)
WIPER	25A	Wiper Low Relay
DEICER	15A	Front Deicer Relay
ECU 5	20A	[G4KJ/G4KH] PCM (E-CVVT Relay)
IG 1	40A	PDM (IG1) Relay, PDM (ACC) Relay, Ignition Switch

Description	Amp rating	Protected component
SENSOR 4	10A	[G4KJ/G4KH] Oxygen Sensor (Up/Down) [G6DH] PCM, Oxygen Sensor #1/#2/#3/#4
SENSOR 5	15A	[G4KJ/G4KH] JPCM [G6DH] IDB (Injector Driver Box)
POWER OUTLET 3	20A	Rear Power Outlet
SENSOR 1	20A	[G4KJ/G4KH] Ignition Coil #1/#2/#3/#4 [G6DF] Ignition Coil #1/#2/#3/#4/#5/#6, Condecser #1/#2
SENSOR 3	10A	[G4KJ/G4KH] Fuel Pump Relay [G6DF] Fuel Pump Relay, PCM
POWER OUTLET 4	20A	Luggage Power Outlet
REAR HEATED	40A	Rear Defogger Relay
SENSOR 2	10A	[G4KJ/G4KH] E/R Junction Block (Cooling Fan 1 Relay), Oil Control Valve (Exhaust), Purge Control Solenoid Valve, Canister Close Valve, Variable Intake Solenoid Valve, RCV Control Solenoid Valve (G4KH) [G6DH] E/R Junction Block (Cooling Fan 1 Relay), Variable Intake Solenoid Valve #1/#2, Purge Control Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), PCM, Canister close valve
FUEL PUMP	20A	Fuel Pump Relay
HORN	15A	Horn Relay
B/ALARM HORN	10A	Burglar Alarm Horn Relay
Relay NO.	Relay	Type

Description	Amp rating	Protected component
	Name	
E31	Blower Relay	MICRO
E32	START #2 Relay	MICRO
E33	Cooling Fan #1 Relay	MINI

2017

Advertisements

Instrument panel

Assignment of the fuses in the Instrument panel (2017)

Description	Amp rating	Protected component
AIR BAG IND.	10A	Cluster, A/C Control Module
A/CON 3	30A	Fuse - A/CON 2, Blower Motor
A/CON 2	7.5A	A/C Control Module (Auto)
START	7.5A	E/R Junction Block (Start Relay), Transaxle Range Switch
AIR BAG	15A	SRS Control Module, Passenger Occupant Detection Sensor
MODULE 2	10A	Crash Pad Switch, Tire Pressure Monitoring Module, 4WD ECM, Lane Departure Warning Module, Console Switch, Rear Parking Assist Sensor LH/RH, Rear Parking Assist Buzzer, Rear Parking Assist Sensor LH/RH (Center), Blind Spot Detection Radar LH/RH, Electronic Parking Brake Module
ACC	10A	PCB Block (PDM (ACC) Relay, Power Outlet Relay), BCM, Audio, A/V & Navigation Head Unit, Surround View Monitoring Unit, Smart Key Control Module, AMP, USB Charger, Telematics Unit

Description	Amp rating	Protected component
MODULE 4	10A	Auto Head Lamp Leveling Device Module, Head Lamp Leveling Device Actuator LH/RH
BRAKE SWITCH	7.5A	Smart Key Control Module, Stop Lamp Switch
MODULE 3	10A	A/C Control Module, A/V & Navigation Head Unit, Electro Chromic Mirror, Driver IMS Control Module, ATM Shift Lever Indicator, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, Telematics Unit
MODULE 1	10A	BCM, Stop Lamp Switch, Driver/Passenger Doormodule
SMART KEY 1	15A	Smart Key Control Module
A/CON (RR)	15A	ICM Relay Box (Rear Blower Motor Relay)
SUNROOF 2	20A	Sunroof Control Module (Roller)
SUNROOF 1	20A	Sunroof Control Module (Glass)
CLUSTER	10A	Instrument Cluster
GATEWAY	10A	Gateway (MCU IG1)
IMMO.	10A	Smart Key Control Module, Immobilizer Module
IG1	15A	E/R Junction Block (Fuse - MDPS 3, TCU 1), PCB Block (Fuse - ABS 3, SENSOR 6, ECU 1, CRUISE)
MULTIMEDIA	15A	USB Charger, Audio, A/V & Navigation Head Unit, Telematics Unit
MEMORY 2	10A	Instrument Cluster, Data Link Connector, A/C Control Module, Rear A/C Control Module, Clock Spring,
DOOR LOCK	20A	Door Lock Relay, Door Unlock Relay, Tail Gate Relay, DRIVER/PASSENGER/RL/RR DOOR MODULE

Description	Amp rating	Protected component
SMART KEY 2	10A	Start/Stop Button Switch, Smart Key Control Module, Immobilizer Module
WASHER	15A	BCM, Multifunction Switch
AEB	10A	AEB Unit
MDPS	7.5A	MDPS UNIT(COLUMN TYPE), Steering Angle Sensor
MEMORY 1	10A	BCM
HEATED STEERING	15A	BCM
WIPER (RR)	15A	Rear Wiper Relay, Rear Wiper Motor
A/CON 1	7.5A	A/C Control Module, Cluster Ionizer, E/R Junction Block (Blower Relay), ICM Relay Box (Rear Blower Motor Relay)
HEATED MIRROR	10A	A/C Control Module, Driver/Passenger Power Outside Mirror
MODULE 5	10A	BCM, Smart Key Control Module
MODULE 6	7.5A	Surround View Monitoring Unit, Rear A/C Control Module, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, AC Inverter Module, Crash Pad Switch
S/HEATER (RR)	15A	Rear Seat Warmer LH
S/HEATER (FRT)	20A	Front Air Ventilation Control Module, Front Seat Warmer Control Module
P/WINDOW (RH)	25A	Rear Safety Power Window RH, Rear Power Window Switch RH, Passenger Safety Power Window Module, Passenger Door Module, Passenger Power Window Switch

Description	Amp rating	Protected component
AMP 1	25A	AMP
MODULE 7	7.5A	Gateway (MCU B+), Sport Mode Switch, Key Solenoid, Tire Pressure Monitoring Module
INTERIOR LAMP	10A	Glove Box Lamp, Ignition Key III. & Door Warning Switch, Driver Foot Lamp, Vanity Lamp LH/RH Switch, Cargo Lamp, Center Room Lamp, Overhead Console Lamp, Rear Personal Lamp LH/RH
FUEL LID	10A	Fuel Filler & Tail Gate Switch
P/SEAT (DRV)	30A	Driver IMS Control Module, Driver Seat Manual Switch
P/SEAT (PASS)	30A	Passenger Seat Manual Switch
AMP 2	25A	AMP
P/WINDOW (LH)	25A	Rear Safety Power Window LH, Rear Power Window Switch LH, Driver Safety Power Window Module, Driver Door Module

Engine compartment

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Assignment of the fuses in the Engine compartment (2016, 2017)

Description	Amp rating	Protected component
MULTI FUSES:		
MDPS 1	100A	MDPS Unit (Rack Type)
MDPS2	80A	MDPS Unit (Column Type)
COOLING FAN 1	80A	Cooling Fan 1 Relay

Description	Amp rating	Protected component
B+1	60A	IGPM (Fuse - S/HEATER (RR), P/SEAT (DRV), P/SEAT (PASS), P/WINDOW (LH))
B+2	60A	IGPM (Fuse - S/HEATER (FRT), P/WINDOW (RH), FULE LID, AMP 1, AMP 2)
B+3	60A	IGPM (IPS 1, Fuse - MODULE 7, Leak Current Autocut Device Fuse - MULTIMEDIA, MEMORY 2, MEMORY 1), INTERIOR LAMP
B+5	50A	IGPM (IPS 0/IPS 2/IPS 3/IPS 4/IPS 5/IPS 6/IPS 7/IPS 8, Fuse - S/ROOF 1)
FUSES:		
B+4	40A	IGPM (Fuse - DOOR LOCK, SMART KEY 1, SMART KEY 2, BRAKE SWITCH, A/CON (RR), S/ROOF 2)
ABS 2	20A	ESC Module
ABS 1	40A	ESC Module, Multipurpose Check Connector
INVERTER	30A	AC Inverter Module
POWER TAIL GATE	30A	Power Tail Gate Module
TRAILER	30A	Trailer Power Outlet
BLOWER	40A	Blower Relay
AMS	10A	Battery Sensor
VACUUM PUMP	20A	[G4KH] Vacuum Pump
TCU 2	15A	[G4KJ/G4KH] PCM
EPB 1	15A	Electric Parking Brake Module

Description	Amp rating	Protected component
EPB 2	15A	Electric Parking Brake Module
4WD	20A	4WD ECM
ECU 2	15A	PCM
ECU 3	15A	[G6DH] IDB (Injector Driver Box)
MDPS 3	7.5A	MDPS Unit (Rack Type)
TCU 1	10A	Transaxle Range Switch
B/UP LAMP	7.5A	Rear Combination Lamp (IN) LH/RH, BCM, Electro Chromic Mirror, Audio(UVO)
ABS 3	7.5A	ESC Control Module, Multipurpose Check Connector
ECU 1	10A	PCM, [G6DH] IDB (Injector Driver Box)
IG 2	40A	RLV. 4 (Start Relay), PDM (IG2) Relay, Ignition Switch
POWER OUTLET 1	20A	Front Power Outlet & Cigarette Lighter
SENSOR 6	7.5A	[G4KH] Brake Vacuum Switch, Vacuum Pump
POWER OUTLET 2	20A	Front Power Outlet
CRUISE	7.5A	Smart Cruise Control Radar
ECU 4	20A	[G4KJ/G4KH] PCM (E-CVVT Relay)
WIPER	25A	Wiper Low Relay
DEICER	15A	Front Deicer Relay
ECU 5	20A	[G4KJ/G4KH] PCM (E-CVVT Relay)
IG 1	40A	PDM (IG1) Relay, PDM (ACC) Relay, Ignition Switch

Description	Amp rating	Protected component
SENSOR 4	10A	[G4KJ/G4KH] Oxygen Sensor (Up/Down) [G6DH] PCM, Oxygen Sensor #1/#2/#3/#4
SENSOR 5	15A	[G4KJ/G4KH]PCM [G6DH] IDB (Injector Driver Box)
POWER OUTLET 3	20A	Rear Power Outlet
SENSOR 1	20A	[G4KJ/G4KH] Ignition Coil #1/#2/#3/#4 [G6DF] Ignition Coil #1/#2/#3/#4/#5/#6, Condecser #1/#2
SENSOR 3	10A	[G4KJ/G4KH] Fuel Pump Relay [G6DF] Fuel Pump Relay, PCM
POWER OUTLET 4	20A	Luggage Power Outlet
REAR HEATED	40A	Rear Defogger Relay
SENSOR 2	10A	[G4KJ/G4KH] E/R Junction Block (Cooling Fan 1 Relay), Oil Control Valve (Exhaust), Purge Control Solenoid Valve, Canister Close Valve, Variable Intake Solenoid Valve, RCV Control Solenoid Valve (G4KH) [G6DH] E/R Junction Block (Cooling Fan 1 Relay), Variable Intake Solenoid Valve #1/#2, Purge Control Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), PCM, Canister close valve
FUEL PUMP	20A	Fuel Pump Relay
HORN	15A	Horn Relay
B/ALARM HORN	10A	Burglar Alarm Horn Relay
Relay NO.	Relay	Type

Description	Amp rating	Protected component
	Name	
E31	Blower Relay	MICRO
E32	START #2 Relay	MICRO
E33	Cooling Fan #1 Relay	MINI

2017 RHD (UK)

Advertisements

Instrument panel

Assignment of the fuses in the Instrument panel (2017 RHD)

Engine compartment

Advertisements

Assignment of the fuses in the engine compartment (2017 RHD)

Engine compartment fuse panel (Diesel engine only)

2018, 2019

Instrument panel

Assignment of the fuses in the Instrument panel (2018, 2019)

Description	Amp rating	Protected component
AIR BAG IND.	10A	Cluster, A/C Control Module
A/CON 3	30A	Blower Motor
A/CON 2	7.5A	A/C Control Module (Auto)
START	7.5A	E/R Junction Block (Start Relay), Transmission Range Switch
AIR BAG	15A	SRS Control Module, Passenger Occupant Detection Sensor
MODULE 2	10A	Crash Pad Switch, Tire Pressure Monitoring Module, 4WD ECM, Lane Departure Warning Module, Console Switch. Rear Parking Assist Sensor LH/RH, Rear Parking Assist Buzzer, Rear Parking Assist Sensor LH/RH (Center), Blind Spot Detection Radar LH/RH, Electronic Parking Brake Module, Front Parking Assist Sensor LH/RH, Front Parking Assist Sensor LH/RH

Description	Amp rating	Protected component
ACC	10A	Power Outlet Relay, BCM, Audio, A/V & Navigation Head Unit, Surround View Monitoring Unit, Smart Key Control Module, AMP, USB Charger, Phone Wireless Charger
MODULE 4	10A	Head Lamp Leveling Device Actuator LH/RH, MUT
BRAKE SWITCH	7.5A	Smart Key Control Module, Stop Lamp Switch
MODULE 3	10A	A/C Control Module, A/V & Navigation Head Unit, Electro Chromic Mirror, Driver IMS Control Module, ATM Shift Lever Indicator, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, Dynamic Bending Light Unit
MODULE 1	10A	BCM, Stop Lamp Switch, Driver/Passenger Doormodule, Sport Mode Switch
MODULE 8	15A	Smart Key Control Module, Immobilizer Module
A/CON (RR)	15A	ICM Relay Box (Rear Blower Motor Relay)
SUNROOF 2	20A	Sunroof Control Module (Roller)
SUNROOF 1	20A	Sunroof Control Module (Glass)
CLUSTER	10A	Instrument Cluster
GATEWAY	10A	Gateway (MCU IG1)
IMMO.	10A	Smart Key Control Module, Immobilizer Module
IG1	15A	E/R Junction Block (Fuse - MDPS 3, MODULE, TCU 1), PCB Block (Fuse - ABS 3, SENSOR 6. ECU 1)
MULTIMEDIA	15A	USB Charger, Audio. A/V & Navigation Head Unit
MEMORY 2	10A	Instrument Cluster, A/C Control Module, Rear A/C Control Module, Electro Chromic Mirror, Driver/Passenger Door Module,

Description	Amp rating	Protected component
		Passenger Power Window Switch, Driver IMS Control Module
DOOR LOCK	20A	Door Lock Relay, Door Unlock Relay, Tail Gate Relay, DRIVER/PASSENGER/RL/RR DOOR MODULE
MODULE 9	10A	Start/Stop Button Switch, Smart Key Control Module
WASHER	15A	BCM, Multifunction Switch
AEB	10A	FCA (Forward Collision-Avoidance Assist) Unit
MDPS	7.5A	MDPS UNIT (COLUMN TYPE). Steering Angle Sensor
HEATED STEERING	15A	BCM
WIPER (RR)	15A	Rear Wiper Relay, Rear Wiper Motor
A/CON 1	7.5A	A/C Control Module. E/R Junction Block (Blower Relay), ICM Relay Box (Rear Blower Motor Relay)
HEATED MIRROR	10A	A/C Control Module, Driver/Passenger Power Outside Mirror
MODULE 5	10A	BCM, Smart Key Control Module
MODULE 6	7.5A	Surround View Monitoring Unit. Rear A/C Control Module, Rear Seat Warmer LH, Front Air Ventilation Control Module, Front Seat Warmer Control Module, AC Inverter Module, Crash Pad Switch
S/HEATER (RR)	15A	Rear Seat Warmer LH
S/HEATER (FRT)	20A	Front Air Ventilation Control Module. Front Seat Warmer Control Module
P/WINDOW (RH)	25A	Rear Safety Power Window RH, Rear Power Window Switch RH, Passenger Safety Power Window Module, Passenger Door

Description	Amp rating	Protected component
		Module, Passenger Power Window Switch
AMP 1	25A	AMP
MODULE 7	7.5A	Gateway (MCU B+), Key Solenoid, Tire Pressure Monitoring Module, MUT
INTERIOR LAMP	10A	Glove Box Lamp, Ignition Key III. & Door Warning Switch, Driver Foot Lamp, Vanity Lamp LH/RH Switch, Cargo Lamp, Center Room Lamp, Overhead Console Lamp, Rear Personal Lamp LH/RH
FUEL LID	10A	Fuel Filler & Tail Gate Switch
P/SEAT (DRV)	30A	Driver IMS Control Module, Driver Seat Manual Switch
P/SEAT (PASS)	30A	Passenger Seat Manual Switch
AMP 2	25A	AMP
P/WINDOW (LH)	25A	Rear Safety Power Window LH, Rear Power Window Switch LH, Driver Safety Power Window Module, Driver Door Module
MODULE 10	10A	BCM, RAIN SENSOR

Engine compartment

Advertisements

Assignment of the fuses in the Engine compartment (2018, 2019)

Description	Amp rating	Protected component
MULTI FUSES:		
MDPS 1	100A	MDPS Unit (Rack Type)
MDPS2	80A	MDPS Unit (Column Type)
COOLING FAN 1	80A	Cooling Fan 1 Relay

Description	Amp rating	Protected component
B+1	60A	IGPM (Fuse - S/HEATER (RR), P/SEAT (DRV), P/SEAT (PASS), P/WINDOW (LH))
B+2	60A	IGPM (Fuse - S/HEATER (FRT), P/WINDOW (RH), FULE LID, AMP 1, AMP 2, MUDULE 7, MODULE 10)
B+3	60A	IGPM (IPS 1, Fuse - Leak Current Autocut Device Fuse - MULTIMEDIA, MEMORY 2). INTERIOR LAMP
B+5	50A	IGPM (IPS 0/IPS 1/IPS 2/IPS 3/IPS 4/IPS 5/IPS 6/IPS 7/IPS 8, Fuse - S/ROOF 1)
FUSES:		
B+4	40A	IGPM (Fuse - DOOR LOCK, MUDULE 8, MODULE 9, BRAKE SWITCH, A/CON (RR), S/ROOF 2)
ABS 2	20A	ESC Module
ABS 1	40A	ESC Module, Multipurpose Check Connector
INVERTER	30A	AC Inverter Module
POWER TAIL GATE	30A	Power Tail Gate Module
TRAILER	30A	Trailer Power Outlet
BLOWER	40A	Blower Relay
AMS	10A	Battery Sensor
TCU 2	15A	TCU
EPB 1	15A	Electronic Parking Brake Module
EPB 2	15A	Electronic Parking Brake Module
4WD	20A	4WD ECM

Description	Amp rating	Protected component
ECU 2	15A	PCM
TCU 3	15A	TCU
MDPS 3	7.5A	MDPS Unit (Rack Type)
TCU 1	10A	Transmission Range Switch
B/UP LAMP	7.5A	IGPM(B/UP LAMP SIGNAL INPUT)
ABS 3	7.5A	ESC Control Module, Multipurpose Check Connector
ECU 1	10A	PCM
IG 2	40A	RLY. 4 (Start Relay), PDM (IG2) Relay, Ignition Switch
POWER OUTLET 1	20A	Front Power Outlet & Cigarette Lighter
SENSOR 6	7.5A	GCU
POWER OUTLET 2	20A	Front Power Outlet
MODULE	7.5A	Smart Cruise Control Radar
ECU 4	20A	[Theta II 2.4L Engine] PCM (E-CVVT Relay)
WIPER 1	25A	Wiper Low Relay
DEICER	15A	Front Deicer Relay
ECU 5	20A	[Theta II 2.4L Engine] PCM (E-CVVT Relay)
IG 1	40A	PDM (IG1) Relay, PDM (ACC) Relay, Ignition Switch
SENSOR 4	10A	[Theta II 2.4L Engine] Oxygen Sensor (Up/Down) [Lambda II 3.3L Engine] PCM, Oxygen Sensor #1/#2/#3/#4
SENSOR 5	15A	[Theta II 2.4L Engine] PCM

Description	Amp rating	Protected component
WIPER 2	7.5A	Wiper Parking Signal
POWER OUTLET 3	20A	Rear Power Outlet
SENSOR 1	20A	[Theta II 2.4L Engine] Ignition Coil #1/#2/#3/#4 [Lambda II 3.3L Engine] Ignition Coil #1/#2/#3/#4/#5/#6, Condecser #1/#2
SENSOR 3	10A	[Theta II 2.4L Engine] Fuel Pump Relay [Lambda II 3.3L Engine] Fuel Pump Relay, PCM
POWER OUTLET 4	20A	Luggage Power Outlet
REAR HEATED	40A	Rear Defogger Relay
SENSOR 2	10A	[Theta II 2.4L Engine] E/R Junction Block (Cooling Fan 1 Relay), Oil Control Valve (Exhaust), Purge Control Solenoid Valve, Canister Close Valve, Variable Intake Solenoid Valve [Lambda II 3.3L Engine] E/R Junction Block (Cooling Fan 1 Relay), Variable Intake Solenoid Valve #1/#2, Purge Control Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), PCM, Canister close valve, A/CON Compressor Relay
FUEL PUMP	20A	Fuel Pump Relay
HORN	15A	Horn Relay
B/ALARM HORN	15A	Burglar Alarm Horn Relay
A/C	10A	A/CON Compressor
SPARE 1	15A	DUMMY

Description	Amp rating	Protected component
SENSOR 7	20A	NOx SENSOR
Relay NO.	Relay Name	Type
E31	Blower Relay	MICRO
E32	START #2 Relay	MICRO
E33	Cooling Fan #1 Relay	MINI

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