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KIA Stinger (2018-2019..) fuses and relays

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*The compact executive fastback KIA Stinger is available from 2018 to the present. In this article, you will find fuse box diagrams of **KIA Stinger 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.*

Fuse Layout KIA Stinger 2018-2019...



Cigar lighter (power outlet) fuses in the KIA Stinger are located in the Instrument panel fuse box (2018: see fuses “POWER OUTLET 1” (Front Power Outlet #2), “POWER OUTLET 2” (Rear Power Outlet)), and in the Engine compartment fuse box (fuses “POWER OUTLET 1” (Front Power Outlet #1), “POWER OUTLET 2” (Front / Rear USB Charger, Front Power Outlet #2)).

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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

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2018

Instrument panel

Assignment of the fuses in the Instrument panel (2018)

Name	Amp rating	Circuit Protected
MULTI MEDIA 1	25A	Low DC-DC Converter (Audio)
AIR BAG	15A	SRS (Supplemental Restraint System) Control Module
INTERIOR LAMP	10A	Overhead Console Lamp, Center Room Lamp, Room Lamp, Vanity Lamp Switch Left Handle side/Right Handle side, Luggage Lamp Left Handle side/Right Handle side, Glove Box Lamp,

Name	Amp rating	Circuit Protected
		Driver/Passenger Door Mood Lamp, Driver/Passenger Door Lamp, Driver/Passenger Foot Lamp
STOP LAMP	10A	IBU, Stop Lamp Switch
CLUSTER	10A	Instrument Cluster, Head-Up Display
E-SHIFTER 2	10A	Electronic Auto Transmission Shift Lever (IG1)
IBU 4	10A	IBU (IG1)
MULTI MEDIA 3	10A	Instrument Cluster, Head-Up Display, Air Conditioner Switch
MULTI MEDIA 2	15A	Audio
MEMORY 1	10A	Air Conditioner Control Module, Air Conditioner Switch, Security Indicator, Head-Up Display
IBU 3	10A	IBU (B+)
E-SHIFTER 1	10A	Electronic Auto Transmission Shift Lever (B+)
A/BAG IND.	10A	Instrument Cluster, Passenger Air Bag IND.
IBU 1	15A	IBU (B+)
DAU	10A	Driver Door Module, Driver/Passenger Power Outside Mirror
MODULE 2	10A	IBU (IG2)
MODULE 3	10A	Auto Transmission Shift Lever Switch, Driver Door Module, Stop Lamp Switch
DOOR LOCK	20A	Door Lock Relay, Door Unlock Relay, Two Turn Unlock Relay
S/HEATER DRV/PASS	25A	Front Air Ventilation Seat Control Module, Front Seat Warmer Control Module
TAIL GATE	10A	Tail Gate Lid Relay, Fuel Lid Relay, Crash Pad Switch

Name	Amp rating	Circuit Protected
IBU 2	10A	Rain Sensor
POWER OUTLET 1	20A	Front Power Outlet #2
MODULE 8	10A	Cooling Fan Controller (BLDC Motor), Around View Monitor, Front Air Ventilation Seat Control Module, Front/Rear Seat Warmer Control Module
MODULE 7	10A	IBU, ECS Unit, AWD (All Wheel Drive) ECM (Electronic Control Module), Smart Cruise Control Module, Auto Transmission Shift Lever Indicator, Console Switch (Front/Upper), Blind-Spot Collision Warning Unit Left Handle side/Right Handle side, Steering Angle Sensor, Steering Tilt & Telescopic Module, Multi-Function Camera Unit, Crash Pad Switch
POWER HANDLE	15A	Steering Tilt & Telescopic Module
MODULE 9	10A	Driver Air Lumbar Control Unit
MODULE 1	10A	Data Link Connector, Console Switch (Upper), Mood Lamp Control Unit
MODULE 5	10A	Air Conditioner Control Module, Air Conditioner Switch, Audio. Head Lamp Left Handle side/Right Handle side, Low DC-DC Converter (Audio/AMP (Amplifier)), Electro Chromic Mirror, AMP (Amplifier), Driver Integrated memory system Control Module. Front Air Ventilation Seat Control Module, Front/Rear Seat Warmer Control Module
SUNROOF	20A	Sunroof Control Unit (Glass)
P/WINDOW RH	25A	Passenger Power Window Module, Rear Power Window Module Right Handle side
POWER OUTLET 2	20A	Rear Power Outlet

Name	Amp rating	Circuit Protected
WASHER	15A	Multifunction Switch
MDPS	10A	MDPS (Motor Driven Power Steering) Unit (R-MDPS (Motor Driven Power Steering))
P/SEAT (DRV)	30A	Driver Integrated memory system Control Module, Drive Seat Module
P/SEAT (PASS)	30A	Passenger Seat Module
P/WINDOW LH	25A	Driver Power Window Module, Rear Power Window Module Left Handle side
MODULE 6	10A	IBU, Low DC-DC Converter (Audio/AMP (Amplifier)), Electronic Auto Transmission Shift Lever (SBW (Shift By Wire)), Engine Room Junction Block (RLY. 4 - Power Outlet Relay)
A/CON	10A	Air Conditioner Control Module, Air Conditioner Switch. Engine Room Junction Block (Blower Relay)
MODULE 4	10A	Head Lamp Left Handle side/Right Handle side, AFS Control Unit, Auto Head Lamp Leveling Device Module

Engine compartment

Advertisements

Assignment of the fuses in the Engine compartment (2018)

Name	Amp rating	Circuit Protected
ALT	175A / 200A	Alternator, Multi Fuse - COOLING FAN 1 / B+5 / B+4 / B+3 / OPCU / ESC1 / ESC2 / BLOWER / POWER TAIL GATE
COOLING FAN 2	125A	[BLDC (Brushless Direct Current) Motor] Cooling Fan Controller

Name	Amp rating	Circuit Protected
START	30A	Start Relay
COOLING FAN 1	80A	[BLDC (Brushless Direct Current) Motor] Cooling Fan Controller
B+5	50A	Instrument Panel Junction Block (Fuse - STOP LAMP / Leak Current Autocut Device Fuse / INTERIOR LAMP)
B+4	50A	Instrument Panel Junction Block (Fuse - DOOR LOCK / POWER HANDLE / SUNROOF / P/SEAT (DRV) / P/SEAT (PASS))
B+3	50A	Instrument Panel Junction Block (Fuse - S/HEATER DRV/PASS / TAIL GATE / MODULE9 / P/WINDOW RH / P/WINDOW LH)
OPCU	50A	Electric Oil Pump Inverter
ESC 1	40A	ESC (Electronic Stability Control) Control Module
ESC 2	40A	ESC (Electronic Stability Control) Control Module, Multipurpose Check Connector
BLOWER	40A	Blower Relay
POWER TAIL GATE	30A	Power Tail Gate Module
MDPS	100A	MDPS (Motor Driven Power Steering) Unit
B+6	60A	Engine Control Relay, Fuse - HORN / WIPER1 / H/LAMP H / B/ALARM HORN)
B+1	60A	Instrument Panel Junction Block (Fuse - IBU1 / IBU2)
B+2	50A	Instrument Panel Junction Block (Fuse - E-SHIFTER1 / MODULE1)
E-CVVT 1	40A	[THETA II 2.0L T-GDI Engine] E-CVVT Relay
VACUUM PUMP	20A	Vacuum Pump Relay

Name	Amp rating	Circuit Protected
AWD	20A	AWD (All Wheel Drive) ECM (Electronic Control Module)
IG 2	20A	IG2 Relay
POWER OUTLET 2	10A	Front / Rear USB Charger, Front Power Outlet #2,
POWER OUTLET 1	20A	Front Power Outlet #1
A/C	10A	Air Conditioner Control Module
E-CVVT 3	20A	[THETA II 2.0L T-GDI Engine] ECM (Engine Control Module)
E-CVVT 2	20A	[THETA II 2.0L T-GDI Engine] ECM (Engine Control Module)
ESC 3	10A	ESC (Electronic Stability Control) Control Module, Multipurpose Check Connector
ECU 3	10A	ECM (Engine Control Module)
ECU 2	15A	ECM (Engine Control Module)
HORN	20A	Horn Relay
WIPER 1	30A	Wiper Power Relay
TCU 2	15A	TCM (Transmission Control Module)
SENSOR 4	10A	Brake Vacuum Switch, Vacuum Pump Relay, Electric Oil Pump Inverter
TCU 1	20A	TCM (Transmission Control Module)
WIPER 2	10A	IBU (Integrated Body Control Unit), ECM (Electronic Control Module)
SENSOR 1	15A	Rear Sub Junction Block (Fuel Pump Relay)
SENSOR5	20A	[THETA II 2.0L T-GDI Engine] Ignition Coil #1/#2/#3/#4

Name	Amp rating	Circuit Protected
		[Lambda II 3.3L T-GDI Engine] Ignition Coil #1/#2/#3/#4/#5/#6
H/LAMP HI	10A	Head Lamp (High) Relay
ECU 1	20A	ECM (Engine Control Module)
SENSOR 3	15A	[THETA II 2.0L T-GDI Engine] Oxygen Sensor (Up) [Lambda II 3.3L T-GDI Engine] Oxygen Sensor #2/#4
SENSOR 2	10A	[THETA II 2.0L T-GDI Engine] Electronic Thermostat, Oil Control Valve, Purge Control Solenoid Valve, RCV (Recirculation Valve Control) Control Solenoid Valve, Canister Close Valve [Lambda II 3.3L T-GDI Engine] Electronic Thermostat, Oil Pressure Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), RCV (Recirculation Valve Control) Control Solenoid Valve, Purge Control Solenoid Valve, Canister Close Valve
B/ALARM HORN	10A	Burglar Alarm Horn Relay

Assignment of the relay (2018)

Relay Name	Type
Vacuum Pump	ISO HC MICRO
B/Alarm Horn	ISO MICRO
Power Outlet	ISO HC MICRO
Blower	ISO HC MICRO
Start	ISO HC MICRO
E-CWT (G4KL)	ISO MICRO

Rear fuse box in the trunk

Assignment of the fuses in the Rear fuse box (2018)

Name	Amp rating	Circuit Protected
ECS	15A	ECS (Electronic Control Suspension) Unit
S/HEATER REAR	20A	Rear Seat Warmer Control Module
HEATED MIRROR	10A	Air Conditioner Switch, Driver/Passenger Power Outside Mirror
FUEL PUMP	20A	Fuel Pump Relay
SPARE1	10A	-
SPARE2	15A	-
SPARE3	15A	-
REAR HEATED	30A	Rear Heated Relay
AMP 2	25A	AMP (Amplifier) (MOBIS/PREMIUM)
SPARE4	15A	-

Name	Amp rating	Circuit Protected
AMP 1	30A	Low DC-DC Converter (AMP (Amplifier))
IG 1	40A	IG1/ACC Relay

Battery box fuse panel

Assignment of the fuses in the Battery box fuse panel (2018, 2019)

Name	Amp rating	Circuit Protected
B+ 1	80A	Rear Sub Junction Block (Fuse - FUEL PUMP / REAR HEATED/ AMP1)
B+ 2	80A	Rear Sub Junction Block (Fuse - ECS / S/HEATER REAR / IG1)
START	40A	Engine Room Junction Block (Power Outlet Relay), Fuse -START / ECU2 / TCU1)
AMS	10A	Battery Sensor

2019

Instrument panel

Assignment of the fuses in the Instrument panel (2019)

Name	Amp rating	Circuit Protected
MULTI MEDIA 1	25A	Low DC-DC Converter (Audio)
AIR BAG	15A	SRS (Supplemental Restraint System) Control Module
INTERIOR LAMP	10A	Overhead Console Lamp, Center Room Lamp, Room Lamp, Vanity Lamp Switch Left Handle side/Right Handle side, Luggage Lamp Left Handle side/Right Handle side, Glove Box Lamp, Driver/Passenger Door Mood Lamp, Driver/Passenger Door Lamp, Driver/Passenger Foot Lamp
STOP LAMP	10A	IBU, Stop Lamp Switch
CLUSTER	10A	Instrument Cluster, Head-Up Display
E-SHIFTER 2	10A	Electronic Auto Transmission Shift Lever (IG1)
IBU 4	10A	IBU (IG1)
MULTI MEDIA 3	10A	Instrument Cluster, Head-Up Display, Air Conditioner Switch
MULTI MEDIA 2	15A	Audio
MEMORY 1	10A	Air Conditioner Control Module, Air Conditioner Switch, Security Indicator, Head-Up Display
IBU 3	10A	IBU (B+)
E-SHIFTER 1	10A	Electronic Auto Transmission Shift Lever (B+)
A/BAG IND.	10A	Instrument Cluster, Passenger Air Bag IND.
IBU 1	15A	IBU (B+)
DDM	10A	Driver Door Module, Driver/Passenger Power Outside Mirror
MODULE 2	10A	IBU (IG2)

Name	Amp rating	Circuit Protected
MODULE 3	10A	Auto Transmission Shift Lever Switch, Driver Door Module, Stop Lamp Switch
DOOR LOCK	20 A	Door Lock Relay, Door Unlock Relay, Two Turn Unlock Relay
S/HEATER DRV/PASS	25A	Front Air Ventilation Seat Control Module, Front Seat Warmer Control Module
TAIL GATE	10A	Tail Gate Lid Relay, Fuel Lid Relay, Crash Pad Switch
IBU 2	10A	Rain Sensor
SPARE	20 A	SPARE
MODULE 8	10A	Cooling Fan Controller (BLDC Motor), Around View Monitor, Front Air Ventilation Seat Control Module, Front/Rear Seat Warmer Control Module
MODULE 7	10A	IBU, ECS Unit, AWD (All Wheel Drive) ECM (Electronic Control Module), Smart Cruise Control Module, Auto Transmission Shift Lever Indicator, Console Switch (Front/Upper), Blind-Spot Collision Warning Unit Left Handle side/Right Handle side, Steering Angle Sensor, Steering Tilt & Telescopic Module, Multi-Function Camera Unit, Crash Pad Switch
POWER HANDLE	15A	Steering Tilt & Telescopic Module
MODULE 9	10A	Driver Air Lumbar Control Unit
MODULE 1	10A	Data Link Connector, Console Switch (Upper), Mood Lamp Control Unit
MODULE 5	10A	Air Conditioner Control Module, Air Conditioner Switch, Audio, Head Lamp Left Handle side/Right Handle side, Low DC-DC Converter (Audio/AMP (Amplifier)), Electro Chromic Mirror, AMP (Amplifier), Driver Integrated memory system Control Module,

Name	Amp rating	Circuit Protected
		Front Air Ventilation Seat Control Module, Front/Rear Seat Warmer Control Module
SUNROOF	20 A	Sunroof Control Unit (Glass)
P/WINDOW RH	25A	Passenger Power Window Module, Rear Power Window Module Right Handle side
CHARGER	10A	Front/Rear USB Charger
WASHER	15A	Multifunction Switch
MDPS	10A	MDPS (Motor Driven Power Steering) Unit (R-MDPS (Motor Driven Power Steering))
P/SEAT (DRV)	30 A	Driver Integrated memory system Control Module, Drive Seat Module
P/SEAT (PASS)	30 A	Passenger Seat Module
P/WINDOW LH	25A	Driver Power Window Module, Rear Power Window Module Left Handle side
MODULE 6	10A	IBU, Low DC-DC Converter (Audio/AMP (Amplifier)), Electronic Auto Transmission Shift Lever (SBW (Shift By Wire)), Engine Room Junction Block (RLY. 4 - Power Outlet Relay)
A/C	10A	Air Conditioner Control Module, Air Conditioner Switch, Engine Room Junction Block (Blower Relay)
MODULE 4	10A	Head Lamp Left Handle side/Right Handle side, AFS Control Unit, Auto Head Lamp Leveling Device Module

Engine compartment

Advertisements

Assignment of the fuses in the Engine compartment (2019)

Name	Amp rating	Circuit Protected
ALT	175A/200A	Alternator, Multi Fuse - COOLING FAN 1 / B+5 / B+4 / B+3 / OPCU / ESC1 / ESC2 / BLOWER / POWER TAIL GATE
COOLING FAN 2	100A	[BLDC (Brushless Direct Current) Motor] Cooling Fan Controller
START	30A	Start Relay

Name	Amp rating	Circuit Protected
COOLING FAN 1	80A	[BLDC (Brushless Direct Current) Motor] Cooling Fan Controller
B+ 5	50A	Instrument Panel Junction Block (Fuse - STOP LAMP / Leak Current Autocut Device Fuse / INTERIOR LAMP)
B+ 4	50A	Instrument Panel Junction Block (Fuse - DOOR LOCK / POWER HANDLE / SUNROOF / P/SEAT (DRV) / P/SEAT (PASS))
B+ 3	50A	Instrument Panel Junction Block (Fuse - S/HEATER DRV/PASS / TAIL GATE / MODULE9 / P/WINDOW RH / P/WINDOW LH)
OPCU	50A	Electric Oil Pump Inverter
ESC 1	40 A	ESC (Electronic Stability Control) Control Module
ESC 2	40 A	ESC (Electronic Stability Control) Control Module, Multipurpose Check Connector
BLOWER	40 A	Blower Relay
POWER TAIL GATE	30A	Power Tail Gate Module
MDPS	100A	MDPS (Motor Driven Power Steering) Unit
B+ 6	60 A	Engine Control Relay, Fuse - HORN / WIPER1 / H/LAMP H / B/ALARM HORN)
B+ 1	60 A	Instrument Panel Junction Block (Fuse - IBU1 / IBU2)
B+ 2	50 A	Instrument Panel Junction Block (Fuse - E-SHIFTER1 / MODULE1)
E-CVVT 1	40A	[THETA II 2.0L T-GDI Engine] E-CVVT Relay
VACUUM PUMP	20A	Vacuum Pump Relay
AWD	20A	AWD (All Wheel Drive) ECM (Electronic Control Module)

Name	Amp rating	Circuit Protected
IG 2	20A	IG2 Relay
POWER OUTLET 2	20A	Front Power Outlet #2
POWER OUTLET 1	20A	Front Power Outlet #1
A/C	10A	Air Conditioner Control Module
E-CVVT 3	20A	[THETA II 2.0L T-GDI Engine] ECM (Engine Control Module)
E-CVVT 2	20A	[THETA II 2.0L T-GDI Engine] ECM (Engine Control Module)
ESC 3	10A	ESC (Electronic Stability Control) Control Module, Multipurpose Check Connector
ECU 3	10A	ECM (Engine Control Module)
ECU 2	15A	ECM (Engine Control Module)
HORN	20A	Horn Relay
WIPER 1	30A	Wiper Power Relay
TCU 2	15A	TCM (Transmission Control Module)
SENSOR 4	10A	Brake Vacuum Switch, Vacuum Pump Relay, Electric Oil Pump Inverter
TCU 1	20A	TCM (Transmission Control Module)
WIPER 2	10A	IBU (Integrated Body Control Unit), ECM (Electronic Control Module)
SENSOR 1	15A	Rear Sub Junction Block (Fuel Pump Relay)
SENSOR5	20A	[THETA II 2.0L T-GDI Engine] Ignition Coil #1/#2/#3/#4 [Lambda II PE 3.3L T-GDI Engine] Ignition Coil #1/#2/#3/#4/#5/#6

Name	Amp rating	Circuit Protected
H/LAMP HI	10A	Head Lamp (High) Relay
ECU 1	20A	ECM (Engine Control Module)
SENSOR 3	15A	[THETA II 2.0L T-GDI Engine] Oxygen Sensor (Up) [Lambda II PE 3.3L T-GDI Engine] Oxygen Sensor #2/#4
SENSOR 2	10A	[THETA II 2.0L T-GDI Engine] Electronic Thermostat, Oil Control Valve, Purge Control Solenoid Valve, RCV (Recirculation Valve Control) Control Solenoid Valve, Canister Close Valve [Lambda II PE 3.3L T-GDI Engine] Electronic Thermostat, Oil Pressure Solenoid Valve, Oil Control Valve #1/#2/#3/#4 (Intake/Exhaust), RCV (Recirculation Valve Control) Control Solenoid Valve, Purge Control Solenoid Valve, Canister Close Valve
B/ALARM HORN	15A	Burglar Alarm Horn Relay

Advertisements

Rear fuse box in the trunk

Assignment of the fuses in the Rear fuse box (2019)

Name	Amp rating	Circuit Protected
ECS	15A	ECS (Electronic Control Suspension) Unit
S/HEATER REAR	20 A	Rear Seat Warmer Control Module
HEATED MIRROR	10A	Air Conditioner Switch, Driver/Passenger Power Outside Mirror
FUEL PUMP	20 A	Fuel Pump Relay
SPARE1	10A	-
SPARE2	15A	-
SPARE3	15A	-
REAR HEATED	30A	Rear Heated Relay

Name	Amp rating	Circuit Protected
AMP 2	25 A	AMP (Amplifier) (MOBIS/PREMIUM)
SPARE4	15A	-
AMP 1	30A	Low DC-DC Converter (AMP (Amplifier))
IG 1	15A	IG1 Relay
ACC	30A	ACC Relay

Battery box fuse panel

Assignment of the fuses in the Battery box fuse panel (2018, 2019)

Name	Amp rating	Circuit Protected
B+ 1	80A	Rear Sub Junction Block (Fuse - FUEL PUMP / REAR HEATED/ AMP1)
B+ 2	80A	Rear Sub Junction Block (Fuse - ECS / S/HEATER REAR / IG1)
START	40A	Engine Room Junction Block (Power Outlet Relay), Fuse -START / ECU2 / TCU1)
AMS	10A	Battery Sensor

Learn more:



- [How to check the fuses?](#)
- [How to replace a blown fuse?](#)
- [Why do car fuses blow?](#)
- [Types of automotive fuses](#)

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