



≡ MENU

[Home page](#) > [KIA](#) > KIA Cadenza (YG; 2017-2019-..) fuses and relays

KIA Cadenza (YG; 2017-2019..) fuses and relays

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In this article, we consider the second-generation KIA Cadenza (YG), available from 2017 to the present. Here you will find fuse box diagrams of KIA Cadenza 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 Cadenza:

Fuse Layout KIA Cadenza 2017-2019...



Cigar lighter (power outlet) fuses in the KIA Cadenza are located in the Instrument panel fuse box (see fuse “POWER OUTLET” (Front Power Outlet, Rear Power Outlet)) and in the Engine compartment fuse box (see fuses “POWER OUTLET1 ” (Power Outlet Relay) and “POWER OUTLET2” (Front Power Outlet & Cigarette Lighter)).

Table of Contents

Fuse box location

Instrument panel

Engine compartment

Fuse box diagrams

2017, 2018, 2019

Fuse box location

Instrument panel

Always set the fuse switch to the ON position before using the vehicle. If you move the switch to the OFF position, some items such as audio and digital clock must be reset and transmitter (or smart key) may not work properly.



When the switch is Off, the caution indicator will be displayed on the instrument cluster. Always place the fuse switch in the ON position while driving the vehicle. If the switch is located in the “OFF” position, a caution indicator will be displayed in the cluster.

Engine compartment

Main fuse

Fuse box diagrams

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2017, 2018, 2019

Instrument panel

Assignment of the fuses in the Instrument panel

Name	Amp rating	Circuit Protected
MODULE 7	10A	Driver Door Module, Passenger Door Module
SPARE	10A	Spare
MODULE 3	10A	Stop Lamp Switch, BCM (Body Control Module), Sports Mode Switch

Name	Amp rating	Circuit Protected
MODULE 5	10A	Console Switch, Blind Spot Detection Radar Left Handle side/Right Handle side, BCM (Body Control Module), Smart Cruise Control Unit, Crash Pad Switch, Fuel Filler & Trunk Open Switch, Lane Departure Warning Unit, Steering Tilt & Telescopic Module
IG1	25A	PCB (Printed Circuit Board) Block
MDPS	7.5A	MDPS (Motor Driven Power Steering) Unit
MODULE 6	10A	Air Conditioner Switch, Air Conditioner Control Module, Electro Chromic Mirror, Head Lamp Left Handle side/Right Handle side, Auto Head Lamp Leveling Device Module, Front Seat Warmer Control Module, Front Air Ventilation Seat Control Module, Rear Seat Warmer Control Module, Audio/Video & Navigation Head Unit, Driver Integrated memory system Module, Auto Transmission Shift Lever Indicator, Multipurpose Check Connector
CLUSTER	10A	Instrument Cluster, Head-Up Display
AIR BAG	15A	SRS (Supplemental Restraint System) Control Module
MULTIMEDIA 1	20A	IGPM (Integrated Gateway Power control Module), Audio/Video & Navigation Head Unit
A/BAG IND	7.5A	Air Conditioner Switch, Instrument Cluster
MODULE 4	10A	Smart Key Control Module, Immobilizer Module
SPARE 2	10A	Spare
A/CON	7.5A	Air Conditioner Switch, Air Conditioner Control Module, Ionizer, Engine Room Junction Block (Blower Relay)
MEMORY 1	10A	Head-Up Display, Instrument Cluster, Wireless Charger Unit, Analog Clock, BCM (Body Control Module), Rain Sensor, Driver Door Module, Power Trunk Module, Passenger Door Module, Air

Name	Amp rating	Circuit Protected
		Conditioner Switch, Air Conditioner Control Module, Security Indicator
MEMORY 2	15A	Driver Door Module
MEMORY 3	10A	Passenger Door Module
START	7.5A	Transaxle Range Switch, ECM (Engine Control Module)
HEATED STEERING	15A	BCM (Body Control Module)
MODULE 9	7.5A	Surround View Unit, Rear Seat Warmer Control Module, Front Seat Warmer Control Module, Front Air Ventilation Seat Control Module
WASHER	15A	Multifunction Switch
INTERIOR LAMP	10A	Glove Box Lamp, Passenger Foot Lamp, Driver Foot Lamp, Trunk Room Lamp, Front Vanity Lamp Switch Left Handle side/Right Handle side, Overhead Console Lamp, Room Lamp, Rear Personal Lamp Left Handle side/Right Handle side
DOOR LOCK	20A	Door Lock/Unlock Relay
S/HEATER (FR)	25A	Front Seat Warmer Control Module, Front Air Ventilation Seat Control Module
SMART KEY 2	10A	Start/Stop Button Switch
BRAKE SWITCH	10A	Stop Lamp Switch, Immobilizer Module, Smart Key Control Module
AMP	30A	AMP (Amplifier)
P/WINDOW (RH)	25A	Passenger Safety Power Window Module, Rear Power Window Switch Right Handle side
SUNROOF 1	20A	Sunroof Control Unit (Glass)

Name	Amp rating	Circuit Protected
TRUNK	10A	Trunk Relay, Fuel Filler & Trunk Open Switch, Engine Room Junction Block(Fuel Lid Relay)
MULTIMEDIA 2	10A	Front Monitor
POWER TRUNK	30A	Power Trunk Module
S/HEATER (RR)	25A	Rear Seat Warmer Control Module
SPARE 1	10A	Spare
P/WINDOW (LH)	25A	Rear Power Window Switch Left Handle side, Driver Safety Power Window Module
P/SEAT (PASS)	30A	Passenger Seat Manual Switch
SUNROOF 2	20A	Sunroof Control Unit (Roller)
POWER HANDLE	15A	Steering Tilt & Telescopic Module
B/ALARM HORN	10A	Burglar Alarm Horn Relay
SMART KEY 1	15A	Smart Key Control Module
MODULE 1	7.5A	Data Link Connector, Hazard Switch, Console Switch
P/SEAT (DRV)	30A	Driver Seat Manual Switch, Driver Integrated memory system Module
POWER OUTLET	20A	Front Power Outlet, Rear Power Outlet

Name	Amp rating	Circuit Protected
MODULE 2	10A	AMP (Amplifier), Surround View Unit, BCM (Body Control Module), Air Conditioner Control Module, Analog Clock, Wireless Charger Unit, Air Conditioner Switch, Smart Key Control Module, Front Monitor, Audio/Video & Navigation Head Unit, Engine Room Junction Block(Power Outlet Relay), USB Charger
SPARE	10A	Spare
MODULE 8	7.5A	BCM (Body Control Module), Smart Key Control Module

Engine compartment

Assignment of the fuses in the Engine compartment

Name	Amp rating	Circuit Protected
MULTI FUSES:		
MDPS	80A	MDPS (Motor Driven Power Steering) UNIT
B+2	60A	IGPM (Integrated Gateway Power control Module)
BLOWER	50A	Blower Relay
B+3	50A	IGPM (Integrated Gateway Power control Module)
REAR HEATED	50A	Rear Heated Relay
ABS1	40A	ESC (Electronic Stability Control) Module
IG2	30A	Without Smart Key : Start Relay, Ignition Switch; With Smart Key : Start Relay
B+5	80A	WIPER1, HORN, ECU2, FUEL PUMP, Engine Control Relay
B+1	60A	IGPM (Integrated Gateway Power control Module)
COOLING FAN 2	60A	Cooling Fan1 Relay, Cooling Fan2 Relay
B+4	50A	IGPM (Integrated Gateway Power control Module)
POWER OUTLET1	40A	Power Outlet Relay
IG1	40A	Without Smart Key : Ignition Switch; With Smart Key : Ignition switch 1, ACC Relay
ABS2	30A	ESC (Electronic Stability Control) Control Module, Multipurpose Check Connector

Name	Amp rating	Circuit Protected
FUSES:		
TCU1	15A	TCM (Transmission Control Module)
CRUISE	10A	Smart Cruise Control Unit
AMS	10A	Battery Sensor
DEICER	20A	Front Deicer Relay
A/CON	10A	Air Conditioner Control Module
WIPER2	10A	BCM (Body Control Module), ECM (Engine Control Module)
HEATED MIRROR	10A	Air Conditioner Switch, Driver/Passenger Power Outside Mirror
ECU3	10A	ECM (Engine Control Module)
POWER OUTLET2	20A	Front Power Outlet & Cigarette Lighter
HORN	20A	Horn Relay
WIPER1	30A	Wiper Power Relay
TCU2	15A	TCM (Transmission Control Module), Transaxle Range Switch
ABS3	10A	ESC (Electronic Stability Control) Module
POWER OUTLET3	20A	Not Used
B/UP LAMP	10A	Electro Chromic Mirror, Rear Combination Lamp (Inside) Left Handle side/Right Handle side
SENSOR1	15A	Oxygen Sensor #1~#4
IGN COIL	20A	Ignition Coil #1~#6
ECU2	10A	ECM (Engine Control Module)

Name	Amp rating	Circuit Protected
FUEL PUMP	20A	Fuel Pump Relay
ECU1	20A	ECM (Engine Control Module)
INJECTOR	15A	Not Used
SENSOR2	10A	Variable Intake Solenoid Valve #1, #2, Electronic Thermostat, Purge Control Solenoid Valve, Canister Close Valve, Oil Pressure Solenoid Valve, Oil Control Valve #1~#4, Cooling Fan1 Relay, Cooling Fan2 Relay, Fuel Pump Relay

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Assignment of the relays

Relay Name	Type
Blower Relay	MINI
Cooling Fan1 Relay	MINI
Cooling Fan2 Relay	MINI
Power Outlet Relay	MICRO
Start Relay	MICRO
Front Deicer Relay	MICRO
Fuel Filler Relay	MICRO
Rear Heated Relay	MINI

Main fuse (Battery terminal cover)

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