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KIA Cadenza (VG; 2010-2016) fuses and relays

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*In this article, we consider the first-generation KIA Cadenza (VG), produced from 2010 to 2016. Here you will find fuse box diagrams of **KIA Cadenza 2010, 2011, 2012, 2013, 2014, 2015 and 2016**, 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 2010-2016



Cigar lighter (power outlet) fuses are located in the Instrument panel fuse box (see fuses “C/LIGHTER” (Cigarette lighter) and “POWER OUTLET” (Console Power Outlet)).

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Fuse box location

Instrument panel

The fuse box is located behind the cover to the left of the steering wheel.



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

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.



2011

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Assignment of the fuses in the Instrument panel (2011)

Assignment of the fuses in the Engine compartment (2011)

2012

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Assignment of the fuses in the Instrument panel (2012)

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Assignment of the fuses in the Engine compartment (2012)

Fuse box diagrams 2014, 2015, 2016

Instrument panel

Assignment of the fuses in the Instrument panel (2014, 2015, 2016)

No	Amp rating	Description	Protected component
MF1	10A	MODULE 2	Tilt & Telescopic Module, Instrument cluster, Driver/Passenger Seat Warmer Module, Rear Seat Warmer Module LH/RH, IMS Control Module, Rear Parking Assist Sensor LH/RH, Rear Parking Assist Sensor LH/RH(Center), Driver/Passenger Door Module, LDWS Camera Module, Electro Chromic Mirror, Room Lamp, MTS Module, Driver/Passenger CCS Control Module, Head Lamp Leveling Device Switch, Auto Head Lamp Leveling Device Module, Front Parking Assist Sensor LH/RH, Head Lamp Leveling Device Actuator LH/RH, Console SW, BSD (Blind Spot Detection) Unit LH/RH Rear P/WDW HEATED Module

No	Amp rating	Description	Protected component
MF2	10A	PDM 3	PDM, Smart Key Control Module
MF3	10A	HTD MRR	Driver Power Outside Mirror, Passenger Power Outside Mirror, A/C Control Module
MF4	10A	MEMORY 1	Auto Light & Photo Sensor, Data Link Connector, Driver/Passenger Foot Lamp, Instrument Cluster, Digital Clock, Rear Curtain Module, A/C Control Module, Room Lamp, Driver/Passenger Door Module
MF5	15A	MULTIMEDIA	MTS Module, Audio, A/V & Navigation Head Unit, Audio Monitor
MF6	10A	MDPS	MDPS_SIG
MF7	10A	MEMORY 2	RF Receiver
MF8	15A	SPARE	SPARE
MF9	10A	SPARE	SPARE
MF10	15A	SPARE	SPARE
MF11	20A	S/HEATER FRT	Driver/Passenger Seat Warmer Module, Driver/Passenger CCS Control Module
MF12	10A	A/BAG IND	Instrument Cluster
MF13	15A	HTD STRG	Steering Wheel Heater
MF14	10A	CURTAIN	Rear Curtain Module, Driver/Passenger Door Module
MF15	20A	P/SEAT PASS	Passenger Manual Switch
MF16	25A	AMP	AMP
MF17	25A	P/WDW RH	Passenger Door Module, Rear Power Window Switch RH
MF18	25A	P/WDW LH	Driver Safety Power Window Switch, Rear Power Window Switch LH

No	Amp rating	Description	Protected component
MF19	15A	A/BAG	SRS Control Module
MF20	10A	A/CON	Ionizer, Ionizer (IND.), A/C Control Module, E/R Fuse & Relay Box (RLY. 14)
MF21	10A	AUDIO	Smart Key Control Module, Rear Audio Switch, Amp, Audio Monitor, Overhead Console Lamp Switch, PDM, MTS Module, Audio, A/V & Navigation Head Unit, digital clock
MF22	10A	INTERIOR LAMP	Garnish Lamp LH/RH/Conter, Room Lamp, Driver/Passenger Vanity Lamp Switch, Overhead Console Lamp Switch, Rear Door Mood Lamp LH/RH, Driver/Passenger Door Mood Lamp, Driver/Passenger Door Scuff Lamp, Driver/Passenger Door Lamp, Trunk Room Lamp
MF23	20A	SUNROOF	Panorama Sunroof
MF24	10A	TRUNK	Fuel Filler Door Switch, Trunk Lid Relay
MF25	20A	S/HEATER RR	Rear Seat Warmer Module LH/RH
MF26	10A	MODULE 3	ESP Control Module, ABS Control Module, Electric Parking Brake Module, Steering Angle Sensor, ESP Off Switch, Console Switch
MF27	10A	MODULE 1	PDM, ICM Relay Box (Head Lamp Washer Relay), Panorama Sunroof, Rear Curtain Module, Driver Active Seat Module, Rain Sensor
MF28	15A	POWER OUTLET	Console Power Outlet
MF29	25A	PDM	Smart Key Control Module, Fob Holder

No	Amp rating	Description	Protected component
MF30	15A	P/HANDLE	Key Solenoid, Tilt & Telescopic Module, Sport Mode Switch
MF31	10A	BRAKE SWITCH	PDM, Start Stop Button Switch
MF32	20A	DR/LOCK	Driver Door Module
MF33	20A	IG1	E/R Fuse & Relay Box (F12 15A, F11 10A, F10 10A)
MF34	25A	WIPER	E/R Fuse & Relay Box (RLY. 11, RLY.12), Front Wiper Motor, Multifunction Switch
MF35	20A	C/Lighter	Front Cigarette Lighter
MF36	10A	START	Transaxle Range Switch, PCM

Engine compartment

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Assignment of the fuses in the Engine compartment (2014, 2015, 2016)

No	Amp rating	Description	Protected component
MULTI FUSES:			
F1	60A	2 B+	IPM (F7, F8, F9, F10, F11, IPS1, IPS2, IPS3, IPS5, IPS7)
F2	60A	3 B+	IPM (F14, F15, F17, F18, F25)
F3	40A	IG1	W/O Smart Key : Ignition Switch; With Smart Key : E/R Fuse & Relay Box (RLY. 1, RLY. 9)

№	Amp rating	Description	Protected component
F4	40A	1 ABS	ABS Control,ESP Control
F5	40A	RR HTD	E/R Fuse & Relay Box (RLY 2)
F6	40A	BLOWER	E/R Fuse & Relay Box (RLY 14)
F7	60A	4 B+	IPM (F4, F5, IPS 0, IPS 4, IPS 6)
F8	80A	MDPS	MDPS_PWR
FUSE (E/R Fuse & Relay Box):			
F9	10A	A/CON	A/C Control Module
F10	10A	STOP LAMP	E/R Fuse & Relay Box (RLY 8), Stop Lamp Switch, Multipurpose Check Connector
F11	10A	IG1	Alternator, PCM
F12	15A	T2 TCU	Transaxle Range Switch
F13	10A	IDB	IDB_LAG
F14	30A	IG2	W/O Smart Key : E/R Fuse & Relay Box (RLY. 3), Ignition Switch; With Smart Key : E/R Fuse & Relay Box (RLY. 3, RLY 10)
F15	50A	C/FAN	E/R Fuse & Relay Box (RLY 4, RLY 5)
F16	30A	1 EPB	Electric Parking Brake Module
F17	40A	3 ECU	EMS Box (F35, F36, F37, F38)
F18	30A	2 ABS	ABS Control, ESP Control
F19	30A	2 EPB	Electric Parking Brake Module

№	Amp rating	Description	Protected component
F20	10A	WIPER	IPM (IPS Control Module)
F21	10A	B/UP LAMP	MTS Module, A/V & Navigation Head Unit, Rear Curtain Module, Electro Chromic Mirror, Rear Combination Lamp(In) LH/RH
F22	10A	AMS	Not Used
F23	20A	-	ICM Relay Box (Head Lamp Washer Realy)
F24	20A	TCU	PCM
F25	15A	1 STOP LAMP	E/R Fuse & Relay Box (RLY 12), Stop Lamp Switch, Stop Lamp Signal Relay
F26	20A	DEICER	E/R Fuse & Relay Box (RLY 7)
F27	10A	CRUISE	SCC (Smart Cruise Control) Radar
F28	30A	P/SEAT (DRV)	IMS Control Module, Driver Lumbar Support Switch, Driver Cushion Extension Switch, Driver Manual Switch
F29	40A	1 B+	IPM (F29, F30, F31, F32, IPS 11, Leak Current Autocut Device)
FUSE (EMS Box):			
F30	20A	IGN COIL	G4KE : Ignition Coil #1, #2, #3, #4, Condenser; G6DC : Ignition Coil #1, #2, #3, #4, #5, #6, Condenser #1, #2
F31	15A	1SENSOR	G4KE : Immobilizer Module, Camshaft Position Sensor #1, #2, Variable Intake Manifold Valve, Crankshaft Position Sensor, Oil Control Valve #1, #2, Canister Purge Control Solenoid Valve;

№	Amp rating	Description	Protected component
			G6DC : PCM, Immobilizer Module, Oxygen Sensor #1, #2, #3, #4
F32	15A	2SENSOR	G4KE : E/R Fuse & Relay Box (RLY. 5), Oxygen Sensor (Up, Down); G6DC : Variable Intake Manifold Valve #1, #2, PCM, E/R Fuse & Relay Box (RLY. 5), Oil Control Valve #1, #2, #3, #4, Canister Purge Control Solenoid Valve,
F33	15A	INJECTOR	G4KE : Injector #1, #2, #3, #4; G6DC : Injector #1, #2, #3, #4, #5, #6, PCM
F34	20A	F/FUMP	E/R Fuse & Relay Box (RLY 16)
F35	10A	2 ECU	PCM
F36	15A	HORN	E/R Fuse & Relay Box (RLY 13), EMS Box (RLY 15)
F37	30A	1 ECU	EMS Box (RLY 17)

Main fuse

Learn more:



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

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