

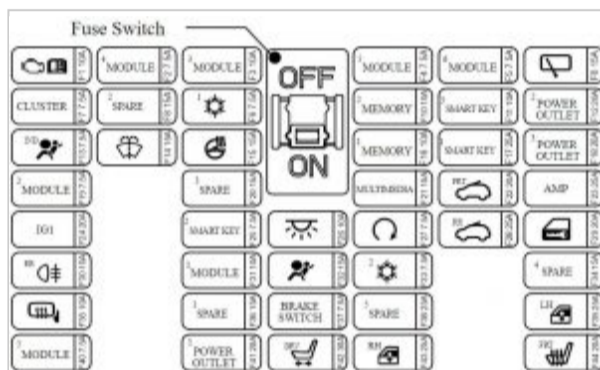
[KIA Carnival YP \(2014 – present\) – fuse box diagram](#)

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KIA Carnival YP (2014 – present) – fuse box diagram

Year of production: 2014, 2015, 2016, 2017, 2018

Instrument panel fuse panel



KIA Carnival YP – fuse box diagram – instrument panel

No.	A	Fuse	Circuit Protected
F1	10	ECU	Smart Key Control Module/Immobilizer ECM/PCM, Injector Drive Box (G6DH)
F2	7.5	MODULE 4	Head Lamp Leveling Device Actuator LH/RH, Multimedia Check Connector, Bezel Switch, Electro Chromic, A/C Control Module, ATM Shift Lever ILL., Heater Control Module, Passenger Ventilation Seat Control Module, Driver IMS Control Module, Rear Seat Heater Control Module, Auto Head Lamp Leveling Device Module, Audio
F3	10	MODULE 3	Rear Parking Assist Buzzer, Parking Assist Sensor LH/RH, Parking Assist Sensor LH/RH (Center), AEB Module, Blind Spot Detection Radar LH/RH, Stop Lamp Switch, Lane Departure Warning Module, Smart Cruise Control Module
F4	7.5	MODULE 5	Rear Seat Heater Control Module, Passenger Ventilation Seat Control Module, Heater Control Module, Portable Lamp, Around View Unit
F5	7.5	MODULE 6	BCM, Smart Key Control Module
F6	15	WIPER RR	Wiper RR Relay, Rear Wiper Motor
F7	7.5	CLUSTER	Instrument Cluster

Languages

English ▼

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F8	15	SPARE 2	–
F9	7.5	A/CON 1	A/C Control Module, E/R Junction Block (RLY.10, RLY.9), Ionizer, Rear A/C Control Switch, PCB Block (Head Lamp Washer Relay, Blower Relay, Blower RR Relay)
F10	10	MEMORY 2	Instrument Cluster, Digital Clock, A/C Control Module, BCM, Power Sliding Door Module, Driver Door Module, Passenger Door Module, Driver IMS Control Module, Passenger Safety Power Window Switch
F11	10	SMART KEY 3	Start/Stop Button Switch, Immobilizer Module
F12	20	POWER OUTLET 2	Front Power Outlet
F13	7.5	A/BAG IND	Instrument Cluster, Digital Clock
F14	15	WASHER	Multifunction Switch, BCM
F15	15	HTD STRG	Clock Spring (Steering Wheel Switch)
F16	10	MEMORY 1	Clock Spring (Steering Wheel Switch)
F17	25	SMART KEY 1	Smart Key Control Module
F18	20		Rear Power Outlet
F19	7.5	MODULE 2	BCM, Driver/Passenger Door Module
F20	15	SPARE 3	–
F21	15	MULTIMEDI	Audio, USB Charger #1/#2, A/V & Navigation Head Unit
F22	20	S/ROOF FRT	Front Sunroof Motor
F23	25	AMP	AMP
F24	20	IGN1	PCB Block (Fuse – F14, F15, F17, F21)
F25	7.5	SMART KEY 2	Smart Key Control Module
F26	10	INTERIOR LAMP	Portable Lamp, Overhead Console Lamp, Cargo Lamp, Front Vanity Lamp Switch LH/RH, Glove Box Lamp, Key Warning Switch
F27	7.5	START	With IMMO.: Smart Key: Transaxle Range Switch W/O IMMO.: PCB Block (B/Alarm Relay)
F28	25	S/ROOF RR	Rear Sunroof Motor
F29	20	DR LOCK	

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F30	10	FOG LAMP RR	Smart Junction Block (Rear Fog Lamp Relay)
F31	10	MODULE 1	Audio, Around View Unit, BCM, Overhead Console Lamp, Digital Clock, AMP, USB Charger #1/#2
F32	15	A/BAG	SRS Control Module
F33	7.5	A/CON 2	A/C Control Module
F34	15	SPARE 4	–
F35	10	HTD MIRR	A/C Control Module, Passenger Power Outlet Mirror
F36	15	SPARE 1	–
F37	7.5	BRAKE SWITCH	PCM, Smart Key Control Module, Stop Lamp Switch
F38	25	SPARE 5	–
F39	25	P/WDW LH	LHD: Driver Safety Window Module, Driver Door Module RHD: Passenger Safety Window Module, Passenger Power Window Switch, Passenger Door Module <i>W/O Auto Up/Down:</i> Rear Power Window Switch LH <i>With Auto Up/Down:</i> Rear Safety Power Window Module LH, Rear Safety Power Window Switch LH, Data Link Connector
F40	7.5	MODULE 7	Fuel Lid Switch, ATM Lever Switch, Rear A/C Control Switch
F41	20	POWER OUTLET 1	Front Power Outlet
F42	30	P/SEAT DRV	Driver Manual Switch, Driver IMS Control Module, Driver Lumbar Support Switch
F43	25	P/WDW RH	RHD: Driver Safety Window Module, Driver Door Module LHD: Passenger Safety Window Module, Passenger Power Window Switch, Passenger Door Module <i>W/O Auto Up/Down:</i> Rear Power Window Switch RH <i>With Auto Up/Down:</i> Rear Safety Power Window Module RH, Rear Safety Power Window Switch RH
F44	20	S/HEATER FRT	Passenger Ventilation Seat Control Module, Heater Control Module

Engine compartment fuse box



KIA Carnival YP – fuse box diagram – engine compartment

No.	A	Fuse	Circuit Protected
F1	80	GLOW	D4HB: Glow Relay Unit
F2	50	PTC HEATER 1	E/R Junction Block (RLY.8)
F3	50	PTC HEATER 2	E/R Junction Block (RLY.9)
F4	50	PTC HEATER 3	E/R Junction Block (RLY.10)
F5	50	C/FAN 2	E/R Junction Block (RLY.6)
F6	60	C/FAN 1	E/R Junction Block (RLY.5)
F8	30	P/SEAT PASS	Passenger Manual Switch
F10	15	DRL	E/R Junction Block (RLY.7)
F12	25	S/HEATER RR	Rear Seat Heater Control Module
F13	15	IDB	Injector Drive Box
F15	40	ABS 2	ABS Control Module/ESP Control Module
F16	40	ABS 1	ABS Control Module/ESP Control Module
F17	40	IG2	E/R Junction Block (RLY.1, RLY.2), Ignition Switch
F18	40	IG1	E/R Junction Block (RLY.3, RLY.4), Ignition Switch
F19	50	B+2	Smart Junction Block (Fuse – F42, F43, Leak Current Autocut Device Fuse – F10, F16, F21, F26)
F20	40	POWER TAIL GATE	Power Tail Gate Module


F24	50	B+4	Smart Junction Block (IPS3, IPS4, IPS5, IPS6, Fuse – F30, F40)
F25	50	B+3	Smart Junction Block (IPS1, IPS2)
F27	40	PSD 2	Power Sliding Door Module
F28	40	PSD 1	Power Sliding Door Module
F29	50	B+5	Smart Junction Block (Power Outlet Relay, Fuse – F11, F17, F22, F23, F28, F37)
F32	50	B+ 1	Smart Junction Block (Fuse – F29, F39, F44)
Relay			
E70	PDM1 Relay		
E71	PDM2 Relay		
E72	PDM3 Relay		
E73	Start Relay		
E74	Cooling Fan1 Relay		
E75	Cooling Fan2 Relay		
E76	DRL Relay		
E77	PTC Heater 1 Relay		
E78	PTC Heater 2 Relay		
E79	PTC Heater 3 Relay		

PCB block (engine compartment fuse box)

No.	A	Fuse	Circuit Protected
F1	40	BLOWER RR	PCB Block (Blower RR Relay)
F2	40	BLOWER	PCB Block (Blower Relay)
F3	10	SENSOR (B+)	Battery Sensor
F4	10	B/ALARM HORN	PCB Block (B/Alarm Horn Relay)
F5	10	FUEL LID	PCB Block (Fuel Lid Relay)
F6	15	DEICER	PCB Block (Deicer Relay)
F7	20	H/LAMP WASHER	PCB Block (Head Lamp Washer Relay)
F8	15	FUEL PUMP	PCB Block (Fuel Pump Relay)

F9	15	HORN	PCB Block (Horn Relay)
F10	25	WIPER	PCB Block (Front Wiper (Low) Relay)
F11	30	ECU 3	PCB Block (Engine Control Relay)
F12	30	FUEL HEATER	PCB Block (Fuel Heater Relay)
F13	40	REAR HEATED	PCB Block (Rear Heater Relay)
F14	7.5	SENSOR 5	D4HB: Glow Relay Unit, Fuel Filter Warning Sensor
F15	15	TCU	Transaxle Range Switch, TCM (D4HB)
F17	10	CRUISE	Smart Cruise Control Radar
F18	10	B/UP LAMP	Audio, Rear Combination Lamp (IN) LH/RH, Electro Chromic Mirror
F19	7.5	A/CON	Rear A/C Control Switch
F20	15	ECU 1	PCM/TCM
F21	7.5	ABS 3	ABS Control Module/ESP Control Module, Steering Angle Sensor
F23	10	ECU 2	G6DH: Injector Drive Box
F24	15	SENSOR 1	GSL: Oxygen Sensor #1~#4, E/R Junction Block (RLY.5), PCM DSL: Lambda Sensor, Electronic VGT Actuator, Fuel Metering Unit, Rail Pressure Regulating Valve, E/R Junction Block (RLY.5)
F25	10	SENSOR 2	GSL: PCM, Variable Intake Solenoid Valve #1/#2, Purge Control Solenoid Valve, Oil Control Valve #1/#2 (Intake)/(Exhaust) DSL: Air Flow Sensor, EGR Cooling Bypass Solenoid Valve, E/R Junction Block (RLY.8), PCB Block (Fuel Heater Relay)
F26	10	SENSOR 3	G6DH: PCM, E/R Junction Block (Fuel Pump Relay) G6DF: PCM, Injector #1~#6, Fuel Pump Relay D4HB: Stop Lamp Switch, Crankshaft Position Sensor, PCB Block (Fuel Pump Relay)
F27	20	IGN COIL(GSL) ECU 4(DSL)	GSL: Ignition Coil #1~#6, Condensor#1/#2 DSL: ECM

WARNING: Terminal and harness assignments for individual connectors will vary depending on vehicle equipment level, model, and market

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