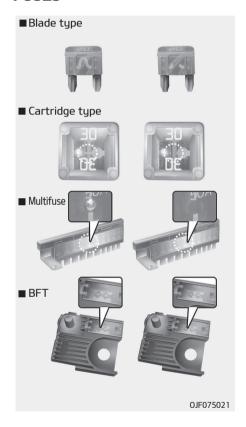


FUSES



Right side: blown

A vehicle's electrical system is protected from electrical overload damage by fuses.

This vehicle has 2 (or 3) fuse panels, one located in the driver's side panel bolster, the others in the engine compartment near the battery.

If any of your vehicle's lights, accessories, or controls do not work, check the appropriate circuit fuse. If a fuse has blown, the element inside the fuse will melt.

If the electrical system does not work, first check the driver's side fuse panel. Before replacing a blown fuse, disconnect the negative battery cable.

Always replace a blown fuse with one of the same rating.

If the replacement fuse blows, this indicates an electrical problem. Avoid using the system involved and immediately consult an authorized Kia dealer.

Three kinds of fuses are used: blade type for lower amperage rating, cartridge type, and multi fuse for higher amperage ratings.

A WARNING

■ Fuse replacement

- Never replace a fuse with anything but another fuse of the same rating.
- A higher capacity fuse could cause damage and possibly a fire.
- Never install a wire or aluminum foil instead of the proper fuse even as a temporary repair. It may cause extensive wiring damage and a possible fire.
- Do not arbitrarily modify or addon electric wiring of the vehicle.

A CAUTION

Do not use a screwdriver or any other metal object to remove fuses because it may cause a short circuit and damage the system.

* Left side: Normal

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***NOTICE**

The actual fuse/relay panel label may differ from equipped items.

A CAUTION

- When replacing a blown fuse or relay with a new one, make sure the new fuse or relay fits tightly into the clips. The incomplete fastening fuse or relay may cause the vehicle wiring and electric systems damage and a possible fire.
- Do not remove fuses, relays and terminals fastened with bolts or nuts. The fuses, relays and terminals may be fastened incompletely, and it may cause a possible fire. If fuses, relays and terminals fastened with bolts or nuts are blown. we recommend that you consult an authorized Kia dealer.

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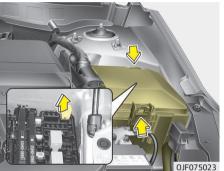
- · Do not input any other objects except fuses or relays into fuse/relay terminals such as a driver or wiring. It may cause contact failure and system malfunction.
- Do not plug in screwdrivers or aftermarket wiring into the terminal originally designed for fuse and relays only. The electrical system and wiring of the vehicle interior may be damaged or burned due to contact failure.

Inner panel fuse replacement



1. Turn the ignition switch and all other switches off.

2. Open the fuse panel cover. If the switch is located in the "OFF". caution will be displayed in the cluster.



- 3. Pull the suspected fuse straight out. Use the removal tool provided in the main fuse box in the engine compartment.
- 4. Check the removed fuse; replace it if it is blown. Spare fuses are provided in the instrument panel fuse panel (or in the engine compartment fuse panel).
- 5. Push in a new fuse of the same rating, and make sure it fits tightly in the clips.



If it fits loosely, we recommend that you consult an authorized Kia dealer. If you do not have a spare, use a fuse of the same rating from a circuit you may not need for operating the vehicle, such as the cigarette lighter fuse.

If the headlights or taillights, stop lights, courtesy lamp, day time running lights (D.R.L) do not work and the fuses are OK, check the fuse panel in the engine compartment. If a fuse is blown, it must be replaced.

Fuse switch



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 transmitter (or smart key) may not work properly.

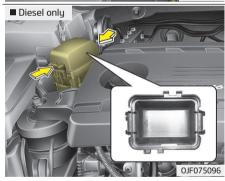
If the fuse switch is in OFF, a warning sign will illuminate on the dashboard.

A CAUTION

- Put all switches in ON when driving.
- If the vehicle remains idle for over 1 month, put all switches in OFF to prevent the batteries from being discharged.
- Excluding long-term parking for over 1 month, the contact points of switches may wear out upon extensive use. Please refrain from excessive use of switches.

Engine compartment fuse replacement





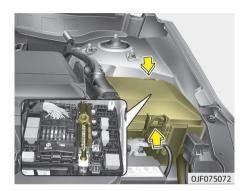
1. Turn the ignition switch and all other switches off.

- 2. Remove the fuse panel cover by pressing the tab and pulling the cover up. When the blade type fuse is disconnected, remove it by using the clip designed for changing fuses located in the engine room fuse box. Upon removal, securely insert reserve fuse of equal quantitu.
- 3. Check the removed fuse; replace it if it is blown. To remove or insert the fuse, use the fuse puller in the engine compartment fuse panel.
- 4. Push in a new fuse of the same rating, and make sure it fits tightly in the clips. If it fits loosely, we recommend that you consult an authorized Kia dealer.

A CAUTION

After checking the fuse panel in the engine compartment, securely install the fuse panel. If not, cover through the audible clicking sound. Electrical failures may occur from water contact.

Multi fuse



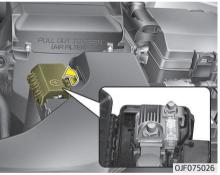
If the multi fuse is blown, it must be removed as follows:

- 1. Disconnect the negative battery cable.
- 2. Remove the nuts shown in the picture above.
- 3. Replace the fuse with a new one of the same rating.
- 4. Reinstall in the reverse order of removal.

* NOTICE

If the multi fuse is blown, we recommend that you consult an authorized Kia dealer.

Main fuse



If the main fuse is blown, it must be removed as follows:

- 1. Turn off the engine.
- 2. Disconnect the negative battery cable.
- 3. Remove the nuts shown in the picture above.



- 4. Replace the fuse with a new one of the same rating.
- 5. Reinstall in the reverse order of removal.

* NOTICE

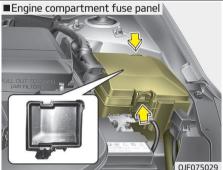
The electronic system may not function correctly even when the engine room and internal fuse box's individual fuses are not disconnected. In such case the cause of the problem may be disconnection of the main fuse (BFT type), which is located inside the positive battery terminal (+) cap. Since the main fuse is designed more intricately than other parts, please visit the nearest Kia dealer and service center.

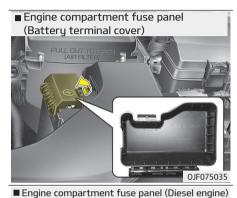
A CAUTION

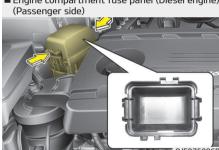
Visually inspect the battery cap for secure closing. If the battery cap is not securely latched, the electrical system may be damaged to due influx of moisture into the system.

Fuse-relay panel description









Inside the fuse/relay panel covers, you can find the fuse/relay label describing fuse/relay name and capacity.

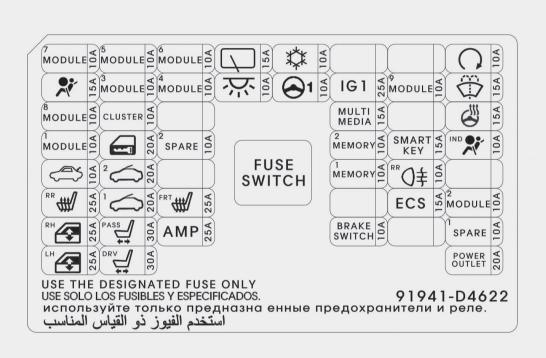


* NOTICE

Not all fuse panel descriptions in this manual may be applicable to your vehicle. It is accurate at the time of printing. When you inspect the fuse panel in your vehicle, refer to the fuse panel label.

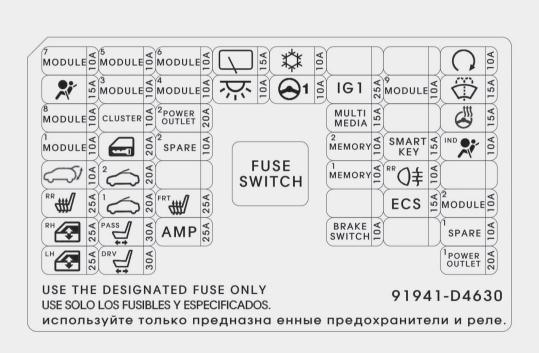


Driver's side fuse panel (Sedan)



OJFW076199L

Driver's side fuse panel (Wagon)



OJFW076217L





Instrument panel (Driver's side fuse panel)

| Fuse name | Symbol | Fuse rat- ing | Circuit Protected |
|------------------|-------------|------------------|--|
| MODULE 7 | MODULE | 10A | Around View Unit, Front Air Ventilation Seat Control Module, Front Seat Warmer Control Module, Rear Seat Warmer Control Module |
| MODULE 5 | 5 MODULE | 10A | A/C Control Module, Electro Chromic Mirror, Crash Pad Switch, Head Lamp LH/RH, Auto Head Lamp Leveling Device Module, A/V & Navigation Head Unit, Fuel Lid & Trunk Open Switch, Shift Lever Indicator, Driver IMS Module, Driver IMS Module, Oil Level Sensor (D4FD), DC-DC Converter (AMP)/(Audio), Front Air Ventilation Seat Control Module, Front Seat Warmer, Control Module, Rear Seat Warmer Control Module |
| MODULE 6 | MODULE | 10A | BCM, Smart Key Control Module |
| A/CON | * | 10A | A/C Control Module, E/R Junction Block (RLY. 3 - Blower Relay), Ionizer, Diesel Junction Block (RLY. 3/4 - PTC Heater #2/#3 Relay) |
| START | O | 10A | [W/O Smart Key & IMMO.] ICM Relay Box (Burglar Alarm Relay) [With Smart Key / IMMO A/T, DCT] Transaxle Range Switch, PCM (G4KH/G4KE) [With Smart Key / IMMO M/T] PCM/ECM (G4ND/D4FD), Smart Key Control Module, E/R Junction Block (RLY. 5 - Start Relay) |
| A/BAG | * | 15A | SRS Control Module |
| MODULE 3 | 3 MODULE | 10A | BCM, ATM Shift Lever, Stop Lamp Switch, DBL Unit, Keyboard, A/C Control Module |
| MODULE 4 | 4 MODULE | 10A | Console Switch, Blind Spot Detection Radar LH/RH, ECS Unit, Smart Parking Assist Control Module, Smart Cruise Control Unit, AEB Module, Lane Keeping Assist Module, Clutch Sensor |
| INTERIOR LAMP | \supset | 10A | Trunk Room Lamp, Ignition Key III. & Door Warning Switch, Glove Box Lamp, Driver/Passenger Smart Key Outside Handle, Front Vanity Lamp Switch LH/RH, Overhead Console Lamp, Center Room Lamp, Center Personal Lamp, Rear Personal Lamp LH/RH, Driver/Passenger Foot Lamp, Driver/Passenger Door Lamp |



| Fuse name | Symbol | Fuse rat- ing | Circuit Protected |
|-------------|-------------------|------------------|--|
| MDPS | 1 | 7.5A | MDPS Unit (Column/Rack), Steering Angle Sensor |
| IG1 | IG 1 | 25A | PCB Block (Fuse - GLOW, TCU2, ABS3, VACUUM PUMP2, ECU3) |
| MODULE 9 | 9 MODULE | 10A | Immobilizer Module, Smart Key Control Module |
| WASHER | \Leftrightarrow | 15A | Multifunction Switch (Wiper Low & Washer Switch) |
| MODULE 8 | 8 MODULE | 10A | A/C Control Module, Driver/Passenger Door Module |
| CLUSTER | CLUSTER | 10A | Instrument Cluster (IG1) |
| MULTI MEDIA | MULTI MEDIA | 15A | Audio, A/V & Navigation Head Unit, DC-DC Converter (Audio) |
| HTD STRG | G" | 15A | BCM (Steering Wheel Heated) |
| MODULE 1 | MODULE | 10A | Console Switch, Key Solenoid, Driver/Passenger Door Module |
| DR LOCK | | 20A | Door Lock Relay, Door Unlock Relay, ICM Relay Box (Dead Lock Relay) |
| MEMORY 2 | MEMORY | 10A | Siren Control Module, Ultrasonic Instrusion Protection Sensor |
| SMART KEY | SMART KEY | 15A | Smart Key Control Module |
| A/BAG IND | IND P | 10A | Instrument Cluster (Air Bag IND. Power) |
| TRUNK | \$ | 10A | Trunk Lid Relay, Fuel Filler & Trunk Open Switch, Trunk Lid Motor, ICM Relay Box (Fuel Filler Open Relay) |
| SUNROOF 2 | ² | 20A | Sunroof Control Unit (Roller) |
| MEMORY 1 | 1 MEMORY | 10A | Instrument Cluster, A/C Control Module, Data Link Connector, BCM, Wireless Charger, Driver IMS Module, Rain Sensor, ICM Relay Box (Outside Mirror Folding/Unfolding Mirror Relay), Security Indicator, Auto Light & Photo Sensor, Driver/Passenger Door Module |



| Fuse name | Symbol | Fuse rat- ing | Circuit Protected |
|-------------------|---------------------------|------------------|---|
| FOG LAMP REAR | ^{RR} () ≢ | 10A | ICM Relay Box (Rear Fog Lamp Relay) |
| S/HEATER REAR | RR W | 25A | Rear Seat Warmer Control Module |
| SUNROOF 1 | ¹< | 20A | Sunroof Control Unit (Glass) |
| S/HEATER FRONT | FRT | 25A | Front Air Ventilation Seat Control Module, Front Seat Warmer Control Module |
| ECS | ECS | 15A | ECS Unit |
| MODULE 2 | 2 MODULE | 10A | Audio, A/V & Navigation Head Unit, Keyboard, Around View Unit, AMP, DC-DC Converter (AMP), DC-DC Converter (Audio), Power Outside Mirror Switch, Smart Key Control Module, BCM, Wireless Charger, Rear USB Charger, MTS E-Call Module, E/R Junction Block (RLY. 7 - Power Outlet Relay) |
| P/WDW RH | RH | 25A | Power Window RH Relay, Rear Safety Power Window Module LH, Rear Power Window Switch LH, Power Window Main Switch, [LHD] Passenger Safety Power Window Module [RHD] Driver Safety Power Window Module |
| P/SEAT PASS | PASS | 25A | Passenger Seat Manual Switch, Walk In Relay Module, Passenger Reclining Limit Switch |
| AMP | AMP | 25A | AMP (JBL/MOBIS), DC-DC Converter (AMP) |
| BRAKE SWITCH | BRAKE SWITCH | 10A | Stop Lamp Switch, Immobilizer Module, Smart Key Control Module, Start/Stop Button Switch |
| P/WDW LH | LH 🚼 | 25A | Power Window LH Relay, Rear Safety Power Window Module RH, Rear Power Window Switch RH, Power Window Main Switch, [LHD] Driver Safety Power Window Module [RHD] Passenger Safety Power Window Module |

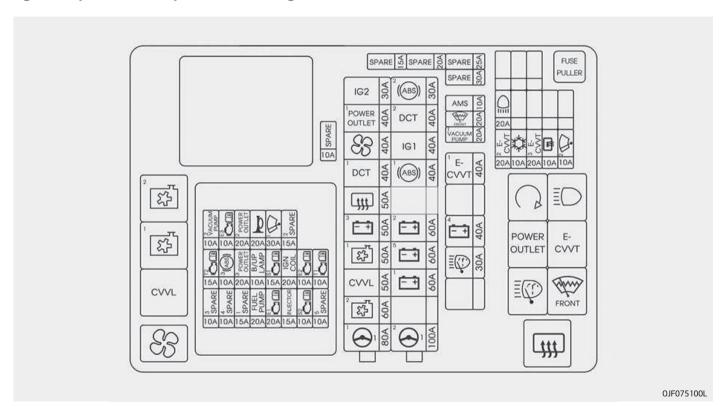


| Fuse name | Symbol | Fuse rat- ing | Circuit Protected | |
|-------------------|-----------------|------------------|--|--|
| P/SEAT DRV | DRV₩ | 30A | Driver Seat Manual Switch, Driver IMS Module | |
| POWER OUT- LET | POWER OUTLET | 20A | Front Power Outlet #1, Front Cigarette Lighter & Power Outlet #2 | |

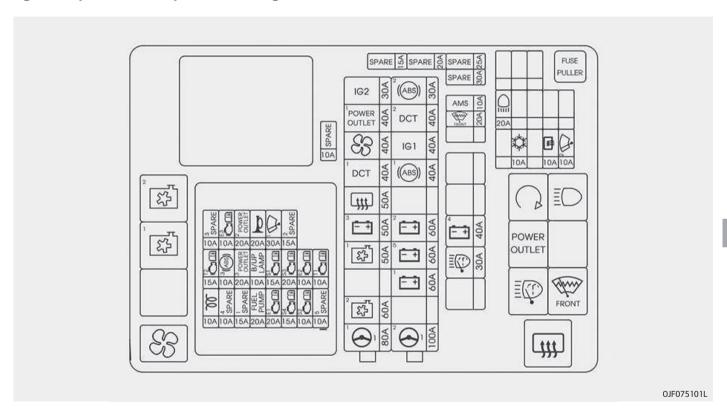




Engine compartment fuse panel (Gasoline engine) (Sedan)



Engine compartment fuse panel (Diesel engine) (Sedan)

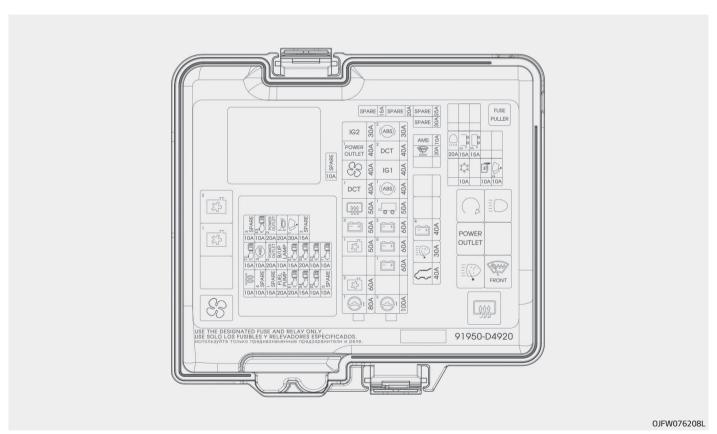




Engine compartment fuse panel (Gasoline engine) (Wagon)



Engine compartment fuse panel (Diesel engine) (Wagon)



8-91



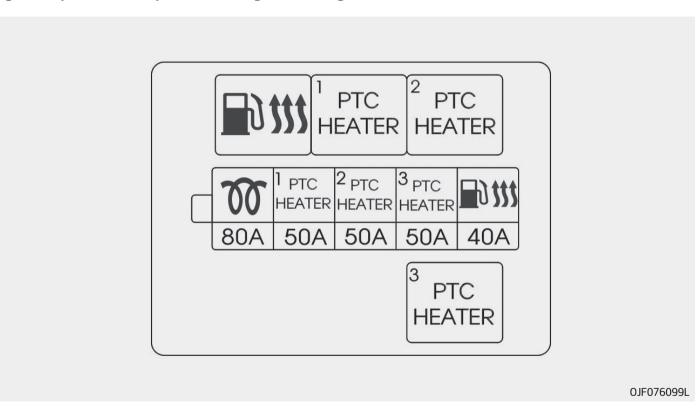


Engine compartment fuse panel (Battery terminal cover)



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Engine compartment fuse panel (Diesel engine) (Passenger side)







Engine room compartment fuse panel

| | Fuse Name | Symbol | Fuse Rating | Circuit Protected |
|-------|---------------|----------------------------------|-------------|--|
| | MDPS 1 | a 1 | A08 | MDPS Unit (Column) |
| | COOLING FAN 2 | $2 \overline{\Sigma_{r}^{\tau}}$ | 60A | [G4KH/D4FD/G4ND (Europe/Australia)/G4NA (Middle East)/G4KE (Europe/Australia/Middle East)] RLY. 1 (Cooling Fan2 Relay), RLY. 2 (Cooling Fan1 Relay) |
| | CVVL | CVVL | 50A | [G4ND] RLY. 3 (CVVL Relay) |
| | COOLING FAN 1 | 1 | 50A | [G4ND (Except Europe/Australia)/G4NA (Except Middle East)/G4KE (Except Europe/Australia/Middle East)] RLY. 1 (Cooling Fan2 Relay), RLY. 2 (Cooling Fan1 Relay) |
| MULTI | B+3 | 3 = + | 50A | Smart Junction Block (IPS 2 (IPS 5), IPS 3 (IPS 6), IPS 7, IPS 8) |
| FUSE | REAR HEATED | (}) | 50A | RLY. 11 (Rear Heated Relay) |
| | DCT 1 | ¹ DCT | 40A | [D4FD-DCT] TCM |
| | BLOWER | 83 | 40A | RLY. 4 (Blower Relay) |
| | POWER OUTLET1 | 1 POWER OUTLET | 40A | RLY. 7 (Power Outlet Relay) |
| | IG2 | IG 2 | 30A | [W/O Smart Key] RLY. 5 (Start Relay), Ignition Switch, [With Smart Key] RLY. 5 (Start Relay), PCB Block (IG2 Relay) |
| | MDPS 2 | 2 | 100A | MDPS Unit (Rack) |



| | Fuse Name | Symbol | Fuse Rating | Circuit Protected |
|---------------|---------------|----------------------|-------------|--|
| | B+1 | 1== | 60A | Smart Junction Block (Fuse - TRUNK, SUNROOF2, S/ HEATER REAR, SUNROOF1, P/WDW RH, P/SEAT PASS, P/WDW LH, P/SEAT DRV) |
| | B+5 | 5 📑 | 60A | PCB Block (Engine Control Relay, Fuse - FUEL PUMP, ECU2, TCU1, HORN, WIPER1) |
| MULTI FUSE | B+2 | 2 | 60A | Smart Junction Block (IPS 1, IPS 4, Fuse - FOG LAMP REAR, S/HEATER FRONT, ECS, AMP) |
| FUSE | ABS1 | 1 (ABS)) | 40A | ESC Control Module |
| | IG1 | IG 1 | 40A | [W/O Smart Key] Ignition Switch, [With Smart Key] PCB Block (IG1/ACC Relay) |
| | DCT2 | ² DCT | 40A | [D4FD-DCT] TCM |
| | ABS2 | ² ((ABS)) | 30A | ESC Control Module, Multipurpose Check Connector |
| | H/Lamp Washer | I(P | 30A | RLY. 9 (H/Lamp Washer Relay) |
| | B+4 | 4 | 40A | Smart Junction Block (Leak Current Autocut Device Fuse - INTERIOR LAMP, MULTI MEDIA, MEMORY2, MEMORY1, Fuse - MODULE1, DR LOCK, SMART KEY, BRAKE SWITCH) |
| | E-CVVT 1 | ¹ E-CVVT | 40A | [G4KH] RLY. 8 (E-CVVT Relay) |
| FUSE | VACUUM PUMP 1 | 1 VACUUM PUMP | 20A | [G4KH] Vacuum Pump |
| | DEICER | FRONT | 20A | RLY. 10 (Deicer Relay) |
| | AMS | AMS | 10A | Battery Sensor |
| | E-CVVT 2 | ² E-CVVT | 20A | [G4KH] PCM |
| | A/CON | 83 | 10A | A/C Control Module |





| | Fuse Name | Symbol | Fuse Rating | Circuit Protected |
|------|---------------|--|-------------|---|
| | E-CVVT 3 | ³ E-CVVT | 20A | [G4KH] PCM |
| | HEATED MIRROR | and the same of th | 10A | A/C Control Module, Driver/Passenger Power Outside Mirror |
| | WIPER 2 | ² | 10A | BCM, PCM/ECM |
| | H/LAMP HI | | 20A | [Bi-Function] RLY. 6 (Head Lamp High Relay) |
| FUSE | GLOW | 700 | 10A | [D4FD] Glow Relay Unit |
| | FUEL PUMP | FUEL PUMP | 20A | Fuel Pump Relay |
| | ECU 1 | | 20A | PCM/ECM |
| | INJECTOR | INJECTOR | 15A | [G4KE/G4ND/G4NA] Injector #1/#2/#3/#4 |
| | SENSOR4 | ⁸⁴ (C) (A) | 15A | [D4FD] Camshaft Position Sensor, Air Flow Sensor, Diesel Junction Block (RLY. 2 - PTC Heater #1 Relay) |



| | Fuse Name | Symbol | Fuse Rating | Circuit Protected | |
|------|----------------|------------------------------|-------------|--|--|
| FUSE | SENSORS | symbol ^{sz} € | 10A | E/R Juncti [G4KH] [G4KE] [G4ND] [G4NA] | ion Block (RLY. 1/RLY. 2 - Cooling Fan 1/2 Relay) Fuel Pump Relay, Oil Control Valve (Exhaust), RCV Control Solenoid Valve, Purge Control Solenoid Valve Fuel Pump Relay, Oil Control Valve #1/#2, Camshaft Position Sensor #1/#2, Crankshaft Position Sensor, Variable Intake Solenoid Valve, Purge Control Solenoid Valve Fuel Pump Relay, Variable Intake Solenoid Valve, Mass Air Flow Sensor, Oil Control Valve #1/#2, Camshaft Position Sensor #1/#2, Purge Control Solenoid Valve Fuel Pump Relay, Variable Intake Solenoid Valve, Oil Control Valve #1/#2, Camshaft Position Sensor #1/#2, Purge Control Valve #1/#2, Camshaft Position Sensor #1/#2, Purge Control Solenoid Valve Lambda Sensor #1/#2, Rail Pressure Regu- |
| | TCU 2 | [™] (C) (| 15A | | lating Valve] Transaxle Range Switch, TCM (DCT), [M/T] |
| | 100 2 | | 15/1 | PCB Block | (Fuse - B/UP LAMP) |
| | ABS 3 | 3 (ABS)) | 10A | ESC Contr | ol Module, Multipurpose Check Connector |
| | POWER OUTLET 3 | ³ POWER OUTLET | 20A | Rear Pow | er Outlet |



| | Fuse Name | Symbol | Fuse Rating | Circuit Protected |
|------|---------------|------------------------------|-------------|--|
| | B/UP LAMP | B/UP LAMP | 10A | PCM/TCM, Transaxle Range Switch, Audio, Electro Chromic Mirror, Rear Combination Lamp (IN) LH/RH, MTS E-Call Module, Back-Up Lamp Switch (M/T) |
| | SENSOR 1 | ⁸¹ 🗀 🔟 | 15A | [G4KH/G4KE/G4ND/G4NA] Oxygen Sensor (Up/Down) [D4FD] Electronic VGT Actuator, PM (Particulate Matter) Sensor |
| | IGN COIL | IGN COIL | 20A | [G4KH/G4KE/G4ND/G4NA] Ignition Coil #1/#2/#3/#4, Condenser |
| FUSE | SENSOR 3 | ⁵³ 🗀 🕮 | 20A | [D4FD] Fuel Pump Relay, Fuel Pressure Regulating Valve, EGR Cooling Bypass Solenoid Valve, Diesel Junction Block (RLY. 1 - Fuel Heater Relay) |
| | ECU 2 | ¹ 🖒 🕮 | 10A | PCM/ECM |
| | TCU 1 | | 10A | PCM/TCM |
| | VACUUM PUMP2 | ² VACUUM PUMP | 10A | [G4KH] Vacuum Pump, Vacuum Switch |
| | ECU 3 | | 10A | PCM/ECM |
| | POWER OUTLET2 | ² POWER OUTLET | 20A | Front Power Outlet #1 |
| | HORN | | 20A | Horn Relay, ICM Relay Box (Burglar Alarm Horn Relay) |
| | WIPER 1 | 1 | 30A | Wiper Power Relay |

Engine room compartment fuse panel (Diesel engine) (Passenger side) Circuit



| Fuse Name | Symbol | Fuse rating | Circuit Protected |
|--------------------|----------------------------|-------------|-----------------------------------|
| Glow Relay | 700 | A08 | Glow Relay Unit |
| PTC Heater 1 Relay | 1 PTC HEATER | 50A | RLY. 2 (PTC Heater #1 Relay) |
| PTC Heater 2 Relay | ² PTC HEATER | 50A | RLY. 3 (PTC Heater #2 Relay) |
| PTC Heater 3 Relay | 3 PTC HEATER | 50A | RLY. 4 (PTC Heater #3 Relay) |
| Fuel Heater Relay | | 40A | RLY. 1 (Fuel Filter Heater Relay) |

Relau

| 9 | | | | |
|-----------|----------------------------|--------------------------|------------|--|
| Relay No. | Symbol | Relay Name | Type | |
| RLY. 1 | | Fuel Filter Heater Relay | MICRO PLUG | |
| RLY. 2 | 1 PTC HEATER | PTC Heater Relay #1 | MICRO PLUG | |
| RLY. 3 | ² PTC HEATER | PTC Heater Relay #2 | MICRO PLUG | |
| RLY. 4 | 3 PTC HEATER | PTC Heater Relay #3 | MICRO PLUG | |



LIGHT BULBS

Bulb replacement precaution

Please prepare bulbs with appropriate standards in case of emergencies (Refer to "Bulb wattage" on page 9-09 for further information).

When changing bulbs and sorts, first turn off the engine at a safe place, firmly apply the side brake and take out the battery's negative (-) terminal.

A WARNING

■ Working on the lights

Prior to working on the light, firmly apply the parking brake, ensure that the ignition switch is turned to the LOCK position and turn off the lights to avoid sudden movement of the vehicle and burning your fingers or receiving an electric shock.

Use only the bulbs of the specified wattage.

WARNING

Be sure to replace the burned out bulb with one of the same wattage rating. Otherwise, it may cause extensive wiring damage and possible fire.

A CAUTION

If you don't have necessary tools, the correct bulbs and the expertise, consult an authorized Kia dealer. In many cases, it is difficult to replace vehicle light bulbs because other parts of the vehicle must be removed before you can get to the bulb. This is especially true if you have to remove the headlight assembly to get to the bulb(s). Removing/installing the headlight assembly can result in damage to the vehicle.

A CAUTION

- If unauthentic parts or substandard lights are used when changing lights, it may lead to fuse disconnection and malfunction, and other wiring damages.
- Do not install extra lamps or LED to the vehicle. If supplementary lights are installed, it may lead to lamp malfunction and flickering of the lights. In addition, the fuse box and other writing may be damaged.
- Lamp part malfunction due to network failure

The headlamp, taillight, and fog light may lit up when the head lamp switch is turned ON, and not light up when the taillight or for light switch is turned ON. This may be cause by network failure or vehicle electrical control system malfunction. If there is a problem, we recommend the system be serviced by an authorized Kia dealer.

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 Lamp part malfunction due to electrical control system stabilization

A normally functioning lamp may flicker momentarily. This momentary occurrence is due to stabilization unction of the vehicle's electrical on control system. If the lamp soon returns to normal, the vehicle does not require service.

However, if the lamp goes out after he momentary flickering, or the flickering continues, we recommend the system be serviced by an authorized Kia dealer.

* NOTICE

 If the light bulb or lamp connector is removed from an operating lamp activated by electricity, the fuse box's electronic device may scan it as a malfunction. Therefore, a lamp malfunction history may be recorded in Diagnostic Trouble Code (DTC) in the fuse box.

(Continued)

(Continued)

 It is normal for an operating lamp may blink temporarily. Since this occurrence is due stabilization function of the vehicle's electronic control device, if the lamp lights up normally after temporary blinking, there is no problem in the vehicle. However, if the lamp continues to blink several times or turn off completely, there may be an error in the vehicle's electronic control device. So we recommend that you have the vehicle checked by an authorized Kia dealer immediately.

* NOTICE

We recommend that the headlight aiming be adjusted after an accident or after the headlight assembly is reinstalled at an authorized Kia dealer.

* NOTICE

After driving in heavy rain or washing, headlamp and tail lamp lenses could appear frosty. This condition is caused by the temperature difference between the lamp inside and outside. This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle. If the water leaks into the lamp bulb circuitry, have the vehicle checked by an authorized Kia dealer.

* NOTICE

■ Traffic Change (For Europe)

The low beam light distribution is asymmetric. If you go abroad to a country with opposite traffic direction, this asymmetric part will dazzle oncoming car driver. To prevent dazzle, ECE regulation demand several technical solutions (ex. automatic (Continued)