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KIA Sorento (BL; 2003-2009) fuses and relays

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In this article, we consider the first-generation KIA Sorento (BL), produced from 2003 to 2009. Here you will find fuse box diagrams of KIA Sorento 2003, 2004, 2005, 2006, 2007, 2008 and 2009, 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 Sorento:

Fuse Layout KIA Sorento 2003-2009



Cigar lighter (power outlet) fuses in the KIA Sorento 2003-2006 – see fuses “P/SCK(CTR)” (Center power socket), “CIGAR (FRT)” (Cigar lighter), “P/SCK (FRT, RR)” (Front and rear power sockets)) in the Instrument panel fuse box, and fuse “BTN 1” in the Engine compartment fuse box. Since 2007 – fuses “CIGAR (FRT)” (Cigar lighter) in the Instrument panel fuse box, and fuses “CENTER P/OUTLET”, “P/OUTLET” in the Engine compartment fuse box.

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Fuse box location

Instrument panel

The fuse box is located behind the cover below the driver's side of the instrument panel.

Engine compartment

Alternator fuse (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.

Fuse box diagrams

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2003, 2004, 2005, 2006

Instrument panel

Assignment of the fuses in the Instrument panel (2003-2006)

Description	AMP RATING	PROTECTED OMPONENT
1. W/SHD	15 A	Defroster
2. S/ROOF	20 A	Sunroof
3. START	10 A	Starting system, PCM, ACC
4. HAZARD	15 A	Turn & Hazard flasher unit
5. P/SCK(CTR)	15 A	Center power socket
6. CIGAR (FRT)	15 A	Cigar lighter
7. DRL/OBD-II	10 A	Check connector
8. WIPER (FRT)	20 A	Wiper & Washer, Head light, Front heater & Aircon, Cooling system. Defroster

Description	AMP RATING	PROTECTED OMPONENT
9. P/SCK (FRT, RR)	30 A	Front and rear power socket
10. RELAY COIL	10 A	Relay coil
11. WIPER (RR)	10 A	Wiper & Washer, ETWIS, Heater & Aircon, Trip computer, sunroof
12. ACC	10 A	Power mirror, Cigar lighter, Power Socket, Clock, Keyless entry, Audio
13. TCCS	20 A	Transfer case control unit
14. FOG (RR)	15 A	Rear fog lamp
15. O/S MIRROR	10 A	Electric remote control mirror
16. ROOM LAMP	10 A	Instrument cluster, ETWIS, Head light, DRL, Keyless entry, Room lamp, Sunvior lamp, Clock
17. S/WARMER	20 A	Seat warmer
18. PREMIUM AUDIO	30 A	Audio
19. STOP LAMP	20 A	Stop light
20. TURN LAMP	10 A	Turn & Hazard flasher unit
21. A/BAG	10 A	Airbag
22. METER	10 A	PCM, ACC, Trip computer, Stop light ,DRL, ETWIS, Instrument cluster, Front heater & Aircon
23. TRAILER	15 A	Trailer accessory
24. ENGINE	10 A	PCM, Cooling, Speed sensor, Diagnosis connector, ACC, Instrument cluster, ABS

Engine compartment

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Assignment of the fuses in the Engine compartment (2003-2006)

Description	AMP RATING	PROTECTED OMPONENT
HORN	15 A	Horn

Description	AMP RATING	PROTECTED OMPONENT
P/TRN	10 A	PCM, Main relay
INJECTOR	15 A	PCM
AUDIO	20 A	Audio
HEAD (HI)	15 A	Head Light
ILLUMI	10 A	Key hole illumination
O2 (DN)	15 A	PCM
HEAD (LO)	15 A	Head light
EXT	15 A	DRL, License lamp, Tail lamp, Position lamp, Turn lamp
P/W (LH)	25 A	Power window
O2 (UP)	15 A	PCM
DEF	25 A	Defroster
FUEL	15 A	Fuel pump relay
P/W (RH)	25 A	Power window
ECU	10 A	PCM, Cooling
MEMORY	10 A	Front heater & aircon, Etwis, Keyless entry system
F/FOG	15 A	Front fog lamp
IGN 2	30 A	Ignition switch
BTN 3	40 A	Turn & Hazard flasher unit, Power door lock
ABS 1	40 A	ABS
C/FAN (1)	40 A	Cooling system
F/BLW	30 A	Front heater & Aircon
C/FAN (2)	30 A	Cooling system

Description	AMP RATING	PROTECTED OMPONENT
BTN 1	40 A	Cigar lighter, Power socket
IGN 1	40 A	Ignition switch
BTN 2	30 A	Power seat, PCM

2004 RHD (UK)

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Instrument panel

Assignment of the fuses in the Instrument panel (2004 RHD)

Description	Amp rating	PROTECTED COMPONENT
(W/SHD)	15A	Front defroster relay
(S/ROOF)	20A	Sunroof unit
START	10A	Transmission range switch (AyT only), starter relay
HAZARD	15A	Hazard switch
P/SCK (CTR)	15A	Center power outlet
CIGAR (FRT)	15A	Front cigar lighter
(DRL/OBD-II)	10A	DRL unit, OBD-II check connector
WIPER (FRT)	20A	Front wiper, Front defroster relay Fuel filter relay, Sunroof unit
P/SCK (FRT, RR)	30A	Front and rear power outlet
WIPER (RR)	10A	Rear wiper & washer switch, Rear wiper control unit
ACC	10A	Cigar lighter relay, Power outlet relay
(RELAY COIL)	10A	Defroster cooling system Headlight, Heater & Air-conditioner
(TCCS)	20A	Transfer case control unit
(FOG (RR))	15A	Rear fog light (if equipped)
(O/S MIRROR)	10A	Electric remote control mirror Outside rearview mirror folding control unit
ROOM LAMP	10A	Cargo room light, Overhead console Center room light, Door courtesy light, Sunvisor light
(S/WARMER)	20A	Front seat warmer
PREMIUM AUDIO	30A	Premium audio

Description	Amp rating	PROTECTED COMPONENT
STOP LAMP	20A	Stop light switch
TURN LAMP	10A	Hazard switch, ETACS, DRL unit, Auto light control unit Rear control unit
(A/BAG)	10A	Air bag control unit
METER	10A	Cluster, Back-up light switch, Air-conditioner control unit AQS sensor, Transmission range switch (AT only), ECAT control unit (AT only)
(TRAILER)	15A	Trailer electrical system
ENGINE	10A	Engine control unit, Speed sensor, Transfer case control unit

Engine compartment

Advertisements

Assignment of the fuses in the Engine compartment (2004 RHD)

Description	AMP RATING	PROTECTED COMPONENT
FUEL	15A	Fuel pump relay
F/HEATER	30A	Fuel filter heating system
HORN	15A	Horn relay
HEAD (HI)	15A	Head light, Cluster
HEAD (LO)	15A	Head light
(H/BURN)	20A	Fuel fired heater (Diesel Engine Only)

Description	AMP RATING	PROTECTED COMPONENT
(H/LP WASH)	20A	Head lamp washer
ECU	10A	Engine control unit
O2 (DN)	15A	Rear O2 sensor
O2 (UP)	15A	Front O2 sensor
P/TRN	10A	Main relay, Alternator
P/W (LH)	25A	Power window switch (LH)
P/W (RH)	25A	Power window switch (RH)
DEF	25A	Defroster relay
MAIN	120 A	Alternator
IGN1	40A	Ignition switch
IGN2	30A	Starter relay, Ignition switch
(ABS)	40A	ABS Control unit
F/BLW	30A	Front blower relay
(F/FOG)	15A	Front fog light relay
GLOW 1	60A	Glow plug (Diesel Engine Only)
GLOW 2	60A	Glow plug (Diesel Engine Only)
W/HTR 1	30A	Water heater 1 (Diesel Engine Only)
W/HTR2	30A	Water heater 2 (Diesel Engine Only)
W/HTR3	30A	Water heater 3 (Diesel Engine Only)
F/HEATER	30A	Fuel filter heating system
INJECTOR	15A	Engine control unit, EGR solenoid valve (if equipped), Glow relay (Diesel Engine Only), Water heater relay (Diesel Engine

Description	AMP RATING	PROTECTED COMPONENT
		Only)
BTN1	40A	ROOM 10A fuse, TCCS 20A fuse, STOP 15A fuse, Power outlet
BTN2	20A	Rear fog lamp, Power seat, seat water
BTN3	40A	W/SHD 15A, D/Lock, Hazard 15A, S/Roof 20A, OBD-II 10A, Seat (Driver) fuse
CD/FAN (C/FAN2)	30A	Air-conditioner relay, Cooling fan relay (HI)
MEMORY	10A	ETACS, Cluster, ECAT control unit, Air-conditioner unit, Multi-meter
AUDIO	20A	MEMORY 10A fuse, Rear wiper control unit, Audio
(EXT)	15A	Fog light relay, License plate light, Rear combination light, Position light
ILLUMI	10A	DRL unit, Glove box switch, Front cigar lighter, Hazard switch, Clock, Cluster, Multi-meter, Power window switch, Rear defroster switch, Rear wiper & washer switch, Audio

2007, 2008, 2009

Advertisements

Instrument panel

Assignment of the fuses in the Instrument panel (2007, 2008, 2009)

Description	Amp rating	Protected component
W/SHD	15A	Rear window defroster
TPMS	10A	Tire pressure monitoring system
WIPER(FRT)	20A	Front wiper
DRL/OBD-II	15A	Daytime running light
HAZARD	15A	Hazard warning light
WIPER(RR)	10A	Rear wiper
S/ROOF	20A	Sunroof
O/S MIRROR	10A	Outside rearview mirror
RELAY COIL	10A	Ignition coil

Description	Amp rating	Protected component
START	10A	Start motor
S/WARMER	20A	Seat warmer
ACC	15A	Accessory
STOP LAMP	20A	Stop light
TCCS	20A	TCS, ESC, Immobilizer
ROOM LAMP	10A	Room lamp
CIGAR(FRT)	15A	Cigar lighter
O/S MIRROR DEF	20A	Outside rearview mirror heater
ENGINE	10A	Engine control unit
METER	10A	Multi-meter
ABS IG	10A	ABS
A/BAG	10A	Airbag
TURN LAMP	10A	Turn signal light
POWER SEAT	30A	Power seat
DOOR LOCK	20A	Central door lock
SPARE	20A	Spare fuse

Engine compartment

Advertisements

Assignment of the fuses in the Engine compartment (2007, 2008, 2009)

Description	Amp rating	Protected component
HORN	15A	Horn
AUDIO	30A	Audio
MAIN	140A	Alternator
ALTERNATOR	150A	Alternator
HEAD (HI)	15A	Headlight (high)
HEAD (LO)	15A	Headlight (low)
DEF	25A	Rear window defroster
MEMORY	10A	Cluster, ETACS, A/C, Clock, Room lamp
F/FOG	15A	Front fog light
IGN 2	30A	Ignition
ABS	40A	ABS

Description	Amp rating	Protected component
F/PUMP	20A	Fuel pump
C/FAN	30A	Radiator fan
IGN 1	40A	Ignition
EXT AMP	30A	Amplifier
ILLUMI	10A	Instrument panel illumination
EXT	15A	Taillight, Turn signal light
CENTER P/OUTLET	15A	Power outlet
BTN 3	40A	In panel B+
F/BLW	30A	Blower
BTN 1	40A	In panel B+
BTN 2	30A	In panel B+
P/TRN	10A	Power train control system sensors, TCU
P/OUTLET	30A	Power outlet
P/W LH	25A	Power window (left)
P/W RH	25A	Power window (right)
INJECTOR	15A	Injector
IG COIL	10A	Ignition coil
O2 SNSR	15A	O2 sensor
ECU	15A	Engine control unit
SPARE	25A	Spare fuse
SPARE	20A	Spare fuse
SPARE	15A	Spare fuse

Description	Amp rating	Protected component
SPARE	10A	Spare fuse

2008 RHD (UK)

Advertisements

Instrument panel

Assignment of the fuses in the Instrument panel (2008 RHD)

Description	Amp rating	Protected component
W/SHD	15A	Rear window defroster
H/LAMP WASHER	20A	Headlight washer
WIPER(FRT)	20A	Front wiper
DRL/OBD-IP	15A	Daytime running light
HAZARD	15A	Hazard warning light
WIPER(RR)	10A	Rear wiper
S/ROOF	20A	Sunroof
O/S MIRROR	10A	Outside rearview mirror
RELAY COIL	10A	Ignition coil
START	10A	Start motor
S/WARMER	20A	Seat warmer
ACC	15A	Accessory
STOP LAMP	20A	Stop light
TCCS	20A	TCS, ESP, Immobiliser
ROOM LAMP	10A	Room lamp
Rr FOG	15A	Rear fog light
CIGAR(FRT)	15A	Cigar lighter
O/S MIRROR DEF	20A	Outside rearview mirror heater
ENGINE	10A	Engine control unit
METER	10A	Multi-meter
ABS IG	10A	ABS
A/BAG	10A	Airbag

Description	Amp rating	Protected component
TURN LAMP	10A	Turn signal light
POWER SEAT	30A	Power seat
DOOR LOCK	20A	Central door lock
SPARE	20A	Spare fuse

Engine compartment

Gasoline

Diesel

Advertisements

Assignment of the fuses in the Engine compartment (2008 RHD)

Description	Amp rating	Protected component
HORN	15A	Horn
AUDIO	30A	Audio
MAIN	140A (120A)	Alternator
ALTERNATOR	150A	Alternator
HEAD (HI)	15A	Headlight (high)
HEAD (LO)	15A	Headlight (low)
DEF	25A	Rear window defroster
MEMORY	10A	Cluster, ETACS, A/C, Clock, Room lamp
F/FOG	15A	Front fog light
IGN 2	30A	Ignition
ABS	40A	ABS
F/PUMP	20A	Fuel pump
C/FAN	30A	Radiator fan
IGN 1	40A	Ignition
EXT AMP	30A	Amplifier
ILLUMI	10A	Instrument panel illumination
EXT	15A	Taillight, Turn signal light
CENTER P/OUTLET	15A	Power outlet
BTN 3	40A	In panel B+
F/HEAT	30A	Fuel-fired heater
F/BLW	30A	Blower
BTN 1	40A	In panel B+

Description	Amp rating	Protected component
BTN 2	30A	In panel B+
P/TRN	10A	Power train control system sensors,TCU
P/OUTLET	30A	Power outlet
P/WLH	25A	Power window (left)
P/WRH	25A	Power window (right)
INJECTOR	15A	Injector
ECU SEN	15A	Sensors
IG COIL	10A	Ignition coil
O2 SNSR	15A	O2 sensor
ECU	15A	Engine control unit
A/CON RLY	10A	Air conditioner relay
ECU 2	15A	Engine control unit
ECU 1	15A	Engine control unit
I/C FAN	20A	Inter cooler fan relay
C/FAN (HI)	60A	Cooling fan (High)
ABS 2	20A	ABS
TRAILER	30A	Trailer
C/FAN (LOW)	30A	Cooling fan (Low)
GLOW 1	60A	Glow plug
H/BURN	20A	Heating burner
P/HTR 1	40A	PTC heater
SPARE	25A	Spare fuse

Description	Amp rating	Protected component
SPARE	20A	Spare fuse
SPARE	15A	Spare fuse
SPARE	10A	Spare fuse

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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Fuse Box Diagrams © 2023

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