

2015 Kia Sorento (Smart Key)



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	dash fuse box, white 36 pin plug (B), pin 1
Second 12 Volts	white (50A)	+	dash fuse box, white 36 pin plug (B), pin 28
Starter	green	+	dash fuse box, white 38 pin plug (C), pin 37
Second Starter	brown/black (SS1); pink/black (SS2)	-	start/stop button switch, black 12 pin plug, pins 1, 8
Ignition	red	+	dash fuse box, white 38 pin plug (C), pin 28
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	white	+	dash fuse box, white 38 pin plug (C), pin 38
Second Accessory	yellow	+	dash fuse box, white 38 pin plug (C), pin 1
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	blue/orange (EMS COM immobilizer data)	data	driver kick, black or white 46 pin plug, pin 15
Can Bus High	black (B-CAN); white (C-CAN)	data	driver kick, wht 48 pin plug, pin 33; data link conn, blk 16 pin plg, pin 6
Can Bus Low	white (B-CAN); red (C-CAN)	data	driver kick, wht 48 pin plug, pin 42; data link conn, bk 16 pin plg, pin14
Can Bus Sw	N/A		
Power Lock	green	-	dash fuse box, white 26 pin plug (K), pin 4
Power Unlock	brown/black (all doors); red (driver door only)	-	dash FB, wht 26 pin plg (K), pin 5; rear, white 26 pin plug (L), pin 6
Lock Motor	orange	5 wire	dash fuse box, black 36 pin plug (A), pin 8
Unlock Motor	blue	5 wire	driver kick, white 48 pin plug, pin 21
Disarm Defeat	blue	5 wire	dash fuse box, black 36 pin plug (A), pin 9
Parking Lights (+)	yellow/black (L); blue/orange (R)	+	dash fuse box, white 24 pin plug (D), pins 6, 5
Parking Lights (-)	blue	-	headlight switch, white 13 pin plug, pin 2
Hazards	yellow/black	-	dash fuse box, rear, white 16 pin plug (M), pin 10
Turn Signal (Left)	pink/black (F); white (R)	+	dash fuse box, wht 36 pin plug (B), pin 6; wht 24 pin plug (D), pin 16
Turn Signal (Right)	yellow/black (F); pink/orange (R)	+	dash fuse box, wht 36 pin plug (B), pin 32; wht 24 pin plug (D), pin 19

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	gray	-	headlight switch, white 13 pin plug, pin 4
AutoLights	green (interrupt to turn off autolights)	-	headlight switch, white 13 pin plug, pin 3
Reverse Light	pink	+	dash fuse box, white 24 pin plug (D), pin 4
Left Front Door Trigger	red/black	-	dash fuse box, white 26 pin plug (K), pin 6
Right Front Door Trigger	pink/black	-	dash fuse box, white 26 pin plug (K), pin 7
Left Rear Door Trigger	blue/black	-	dash fuse box, white 26 pin plug (K), pin 8
Right Rear Door Trigger	orange/black	-	dash fuse box, white 26 pin plug (K), pin 9
Dome Supervision	white/orange	-	dash fuse box, rear, white 26 pin plug (L), pin 1
Trunk/Hatch Pin	white	-	dash fuse box, white 26 pin plug (K), pin 24
Rear Glass Pin	N/A		
Hood Pin	red/black	-	dash fuse box, white 26 pin plug (K), pin 25
Trunk Hatch/Release	pink/org (rear handle sw); gray/blk (pwr tailgate)	-	dash FB, wht 26 pin plg (K), pin 13; overhd console, wh 6 pin plg, pin 5
Trunk Release Motor	red/black	+	driver kick, white 48 pin plug, pin 1
Fuel Door Release	blue/orange	+	driver kick, harness to rear
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	brn/org (key lock); gry/og (detect)(Tech Doc 1300)	- and open	dash fuse box, white 26 pin plug (K), pins 10, 17
Factory Alarm Disarm	pink (key unlock); gry/org (detect)(Tech Doc 1300)	both -	dash fuse box, white 26 pin plug (K), pins 11, 17
Disarm No Unlock	(see factory alarm disarm)		
Trunk Alarm Shunt	N/A		
Tachometer	green/black	ac	passenger kick, white 28 pin plug, pin 6
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	red	-	clutch switch, white 2 pin plug, pin 2
Fuel Pump	yellow	+	driver kick, blue 31 pin plug, pin 12
Rear Defroster	gray	- latched	dash fuse box, white 36 pin plug (B), pin 33
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	gray/black	+	driver kick, white 48 pin plug, pin 2
Right Front Heated Seat	green/orange	+	passenger kick, white 48 pin plug, pin 13

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	green/black	4-Pulse	data link conn, blk 16 pin plg, pin 3 or radio, white 24 pin plug, pin 16
Brake Wire	yellow	+	driver kick, black or white 46 pin plug, pin 4
Parking Brake	gray/orange	-	dash fuse box, white 26 pin plug (K), pin 12
Horn Trigger	gray	-	driver kick, black or white 46 pin plug, pin 17
Wipers	green (LO); pink (HI); yellow (ignition)	+	wiper switch, white 14 pin plug, pins 3, 9, 10
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	blue - grn/org (w/o memory); green - brown (w/mem)	A	driv kick, door harness; RF window switch, white 16 pin plg, pins 14-15
Left Rear Window (Up/Down)	orange - blu/blk (w/o memory); brown-green (w/mem)	A	driv kick, door harness; LR window switch, white 10 pin plug, pins 3-1
Right Rear Window (Up/Down)	pink - blu/org (w/o memory); brown - green (w/mem)	A	driv kick, door harness; RR window switch, white 10 pin plug, pins 3-1
Sun Roof (Open/Close)	white/black - yellow/black (func with ign on only)	-	sunroof switch, white 6 pin plug, pins 2 - 3
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	green/black	-	memory seat switch, white 6 pin plug, pin 5
Memory Seat 2	gray	-	memory seat switch, white 6 pin plug, pin 6
Memory Seat 3	N/A		
Radio 12V	brown/black or brown/orange	+	radio, white 24 pin plug, pin 12
Radio Ground	black	-	radio, white 24 pin plug, pin 24
Radio Ignition	yellow/black	+	radio, white 24 pin plug, pin 11
Radio Illumination	yellow (parking lights); black/orange (dimmer)	+,-	radio, white 18 pin plug, pins 8, 17
Factory Amp Turn-on	(M-CAN)		
Power Antenna	brown/orange	+	radio, white 18 pin plug, pin 18
Left Front Speaker (+/-)	brown - white	+,-	radio, white 18 pin plug, pins 2 - 11
Right Front Speaker (+/-)	blue/orange - red	+,-	radio, white 18 pin plug, pins 3 - 12
Left Rear Speaker (+/-)	yellow - black	+,-	radio, white 18 pin plug, pins 1 - 10
Right Rear Speaker (+/-)	orange/black - green/black	+,-	radio, white 18 pin plug, pins 4 - 13
Center Channel (+/-)	blue - red	+,-	amplifier under passenger seat, gray 16 pin plug, pins 7 - 15
Subwoofer (+/-)	green - orange (1); blue - red (2)	+,-	amplifier under pass seat, gray 26 pin plug, pins 13 - 26; 12 - 25
Aux. Audio Input Left (+/-)	brown - black/orange or gray - black/orange	+,-	radio, white 24 pin plug, pins 21 - 9
Aux. Audio Input Right (+/-)	gray - black/orange or brown - black/orange	+,-	radio, white 24 pin plug, pins 8 - 9
RSE Video (+/-)	white - green (rear view camera video)	+,-	radio, wh 24P plg, pins 6-18; wh 18P plg, pins 2-3
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	(built into radio)		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5		right front door
Right Front Tweeter			right front door
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter			left rear pillar (surround)
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter			right rear pillar (surround)
Center Channel			top center of dash
Subwoofer			left rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are brown - white (woofer); red - blue (tweeter) at the amplifier under passenger seat, yellow 12 pin plug, pins 6 - 12; 4 - 10.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are blue/orange - red (woofer); black - white (tweeter) at the amplifier under passenger seat, yellow 12 pin plug, pins 5 - 11; 3 - 9.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are yellow - black at the amplifier under passenger seat, yellow 12 pin plug, pins 2 - 8. The surround wires are orange - green at the amplifier, gray 16 pin plug, pins 2 - 10.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are orange/black - green/black at the amplifier under passenger seat, yellow 12 pin plug, pins 1 - 7. The surround wires are green - pink at the amplifier, gray 16 pin plug, pins 1 - 9.