

## 2016 Kia Sorento



## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (40A)	+	ignition switch, black 6 pin plug, pin 1
Second 12 Volts	white (40A)	+	ignition switch, black 6 pin plug, pin 5
Starter	black	+	ignition switch, black 6 pin plug, pin 3
Second Starter	N/A		
Ignition	green	+	ignition switch, black 6 pin plug, pin 4
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	blue	+	ignition switch, black 6 pin plug, pin 2
Second Accessory	red	+	ignition switch, black 6 pin plug, pin 6
Third Accessory	N/A		
Key Sense	pink/black	-	key switch, white 6 pin plug, pin 4
Data Bus	white/orange (EMS COM immobilizer data)	data	driver kick, white 58 pin plug, pin 3
Can Bus High	red (B-CAN); white (D-CAN)	data	driver kick, wht 68 pin plug, pin 14; data link conn, blk 16 pin plg, pin 6
Can Bus Low	blue (B-CAN); brown (D-CAN)	data	driver kick, wht 68 pin plug, pin 4; data link conn, bk 16 pin plg, pin14
Can Bus Sw	N/A		
Power Lock	white/black (passenger door switch)	-	dash fuse box, black 46 pin plug (D), pin 14
Power Unlock	blue/orange (passenger door switch)	-	dash fuse box, black 46 pin plug (D), pin 15
Lock Motor	red	5 wire	dash fuse box, black 46 pin plug (D), pin 24
Unlock Motor	green	5 wire	power window main switch, black 8 pin plug, pin 3
Disarm Defeat	brown	5 wire	dash fuse box, black 46 pin plug (D), pin 34
Parking Lights (+)	wht/blk (LF); brown (RF); grn/blk (LR); yellow(RR)	+	dash FB, bk 51 pin plg (B), pins 14, 11; wht 41 pin plug (C), pins 22, 33
Parking Lights (-)	blue	-1680 ohms	headlight/wiper switch, black 16 pin plug, pin 14
Hazards	pink	-	dash fuse box, rear, white 18 pin plug (G), pin 15
Turn Signal (Left)	yellow/black (F); gray (R)	+	dash fuse box, blk 51 pin plug (B), pin 18; white 41 pin plg (C), pin 32
Turn Signal (Right)	white (F); white/black (R)	+	dash fuse box, blk 51 pin plug (B), pin 51; white 41 pin plug (C), pin 3

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	blue	-5580 ohms	headlight/wiper switch, black 16 pin plug, pin 14
AutoLights	blue (interrupt to turn off autolights)	- 680 ohms	headlight/wiper switch, black 16 pin plug, pin 14
Reverse Light	red/black	+	dash fuse box, black 46 pin plug (D), pin 2
Left Front Door Trigger	gray/orange	-	dash fuse box, black 46 pin plug (D), pin 17
Right Front Door Trigger	yellow/black	-	dash fuse box, black 46 pin plug (D), pin 18
Left Rear Door Trigger	white/black	-	dash fuse box, black 46 pin plug (D), pin 8
Right Rear Door Trigger	brown/black	-	dash fuse box, black 46 pin plug (D), pin 7
Dome Supervision	brown	-	left front pillar, white 36 pin plug, pin 35
Trunk/Hatch Pin	brown	-	dash fuse box, white 41 pin plug (C), pin 25
Rear Glass Pin	N/A		
Hood Pin	pink/black	-	dash fuse box, black 51 pin plug (B), pin 21
Trunk Hatch/Release	gray/blk (rear handle sw); grn/org (pwr liftgate)	-	dash FB, wht 41 pin plg (C), pin 28; pwr liftgate sw, wht 8 pin plg, pin 5
Trunk Release Motor	blue	+	dash fuse box, black 46 pin plug (D), pin 45
Fuel Door Release	blue	+	fuel filler door switch, white 8 pin plug, pin 2
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	brn/blk (key lock); red/org (detect)(TechDoc 1300)	- and open	power window main switch, white 32 pin plug, pins 7, 4
Factory Alarm Disarm	pnk/blk (key unlk); red/og (detect)(TechDoc 1300)	both -	power window main switch, white 32 pin plug, pins 6, 4
Disarm No Unlock	(transponder and ignition)		
Trunk Alarm Shunt	N/A		
Tachometer	brown (2.0L and 2.4L)	ac	cam position sensor, driver front of engine, gray 3 pin plug, pin 3
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	pink	+	driver kick, white 25 pin plug, pin 9
Rear Defroster	green/orange	- latched	driver kick, white 58 pin plug, pin 16
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	brown	+	seat heater switch, white 24 pin plug, pin 11
Right Front Heated Seat	gray	+	seat heater switch, white 24 pin plug, pin 2

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	brown/orange	ac	data link conn, blk 16 pin plg, pin 3 or radio, white 24 pin plug, pin 16
Brake Wire	green/orange	+	brake switch or dash fuse box, black 51 pin plug (B), pin 12
Parking Brake	gray/orange (without electric parking brake)	-	driver kick, white 58 pin plug, pin 8
Horn Trigger	gray	-	driver kick, white 58 pin plug, pin 21
Wipers	orange/black	+	driver kick, white 58 pin plug, pin 19
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	white - pink (without auto up/down only)	A	pass window switch, wht 18 pin plg, pins 15-13 or blk 8 pin plg, pins 4-7
Left Rear Window (Up/Down)	pink - brown (without auto up/down only)	A	left rear window switch, white 18 pin plug, pins 15 - 13
Right Rear Window (Up/Down)	pink - brown (without auto up/down only)	A	right rear window switch, white 18 pin plug, pins 15 - 13
Sun Roof (Open/Close)	red and white (open) (function with ign on only)	both -	sunroof switch, white 6 pin plug, pins 2, 5
Sun Roof (Limit/Close)	brown and white (close)(function with ign on only)	both -	sunroof switch, white 6 pin plug, pins 3, 5
Memory Seat 1	blue	-	memory seat switch, white 6 pin plug, pin 2
Memory Seat 2	red/black	-	memory seat switch, white 6 pin plug, pin 1
Memory Seat 3	N/A		
Radio 12V	pink or red	+	radio, white 24 pin plug, pin 12
Radio Ground	black	-	radio, white 24 pin plug, pin 24
Radio Ignition	white	+	radio, white 24 pin plug, pin 11 or 18
Radio Illumination	red/orange (parking lights); blue/orange (dimmer)	+,-	radio, white 18 pin plug, pins 8, 17
Factory Amp Turn-on	(M-CAN)		
Power Antenna	green	+	radio, white 18 pin plug, pin 18
Left Front Speaker (+/-)	brown - white	+,-	radio, white 18 pin plug, pins 2 - 11
Right Front Speaker (+/-)	red - blue	+,-	radio, white 18 pin plug, pins 3 - 12
Left Rear Speaker (+/-)	yellow - black	+,-	radio, white 18 pin plug, pins 1 - 10
Right Rear Speaker (+/-)	green - orange	+,-	radio, white 18 pin plug, pins 4 - 13
Center Channel (+/-)	blue - red	+,-	amplifier under passenger seat, white 28 pin plug, pins 14 - 27
Subwoofer (+/-)	green - orange (1); blue - red (2)	+,-	amplifier under passenger seat, black 28 pin plug, pins 2-17; 1-16
Aux. Audio Input Left (+/-)	green, gray, or yellow - black/orange	+,-	radio, white 24 pin plug, pins 21 - 9
Aux. Audio Input Right (+/-)	white or brown - black/orange	+,-	radio, white 24 pin plug, pins 8 - 9
RSE Video (+/-)	red - black (rear view camera video)	+,-	radio, white 24 pin plug, pins 6 - 18 or 23 - 22
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			left front door
Left Front Tweeter			left front door
Right Front Speaker			right front door
Right Front Tweeter			right front door
Left Rear Speaker			left rear door
Left Rear Tweeter			left rear pillar
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear pillar
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
<b>Tachometer</b>	On 3.3L models, it is gray at the cam position sensor, driver front of engine, black 3 pin plug, pin 2.
<b>Left Front Speaker (+/-)</b>	On models with amplifier, the speaker wires are brown - white (woofer); black - white (tweeter) at the amplifier under passenger seat, black 28 pin plug, pins 4 - 19; white 28 pin plug, pins 13 - 26.
<b>Right Front Speaker (+/-)</b>	On models with amplifier, the speaker wires are red - blue (woofer); orange - blue (tweeter) at the amplifier under passenger seat, black 28 pin plug, pins 3 - 18; white 28 pin plug, pins 12 - 25.
<b>Left Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are yellow - black (woofer); orange - green (surround) at the amplifier under passenger seat, black 28 pin plug, pins 13 - 26; 15 - 28.
<b>Right Rear Speaker (+/-)</b>	On models with amplifier, the speaker wires are green - orange (woofer); green - pink (surround) at the amplifier under passenger seat, black 28 pin plug, pins 12 - 25; 14 - 27.
<b>Parking Brake</b>	On models with electric parking brake, it is gray/orange (-) at the driver front of center console, white 32 pin plug, pin 31.