

## 2016 Kia Soul (Smart Key) - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	SJB-Dash Fuse Box, black 3 pin plug (D), pin 2
Second 12 Volts	white (50A)	+	SJB-Dash Fuse Box, black 3 pin plug (D), pin 1
Starter	orange	+	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 22
Ignition	black	+	driver kick, white 58 pin plug, pin 26
Accessory	red	+	driver kick, white 58 pin plug, pin 32
Second Accessory	white	+	driver kick, white 58 pin plug, pin 58
PTS 1	yellow/black	-	start stop button switch, gray 10 pin plug, pin 1
PTS 2	yellow/orange	-	start stop button switch, gray 10 pin plug, pin 2
CAN Bus High	white (C-CAN)	data	data link connector, black 16 pin plug, pin 6
CAN Bus Low	brown (C-CAN)	data	data link connector, black 16 pin plug, pin 14
CAN Bus High 2	orange (B-CAN)	data	SJB-Dash Fuse Box, rear, white 24 pin plug (G), pin 12
CAN Bus Low 2	green (B-CAN)	data	SJB-Dash Fuse Box, rear, white 24 pin plug (G), pin 24
IMMO Data	brown/orange (EMS COM)	data	driver kick, white 58 pin plug, pin 31
Power Lock	red	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 8
Power Unlock	yellow/black	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 3
Lock Motor	gray	5 wire	SJB-Dash Fuse Box, black 36 pin plug (C), pin 35
Driver Unlock Motor	white	5 wire	SJB-Dash Fuse Box, black 36 pin plug (C), pin 17
Passenger Unlock Motor	green	5 wire	SJB-Dash Fuse Box, black 36 pin plug (C), pin 21
Factory Alarm Arm	pink/black (key lock); brown (detection) (see Tech Doc 1300)	- and open	SJB-Dash Fuse Box, white 16 pin plug (B), pins 15, 6

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Factory Alarm Disarm	pink (key unlock); brown (detection) (see Tech Doc 1300)	both -	SJB-Dash Fuse Box, white 16 pin plug (B), pins 4, 6
Disarm No Unlock	(see factory alarm disarm)		
Parking Lights (+)	green/black (L); brown/black (R)	+	SJB-Dash Fuse Box, black 16 pin plug (A), pins 9, 16
Parking Lights (-)	pink	-	headlight switch, white 13 pin plug, pin 2
Hazards	red	-	SJB-Dash Fuse Box, rear, white 24 pin plug (G), pin 22
Turn Signal (Left)	blue/orange (F); blue/orange (R)	+	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 12; black 36 pin plug (C), pin 6
Turn Signal (Right)	red/orange (F); red/orange (R)	+	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 3; black 16 pin plug (A), pin 10
Headlight	green/orange	-	headlight switch, white 13 pin plug, pin 4
AutoLights	green (interrupt to turn off)	-	headlight switch, white 13 pin plug, pin 3
Reverse Light	gray/black	+	SJB-Dash Fuse Box, black 36 pin plug (C), pin 30
Left Front Door Trigger	yellow/orange	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 9
Right Front Door Trigger	yellow/orange	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 12
Left Rear Door Trigger	white/black	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 7
Right Rear Door Trigger	orange	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 5
Dome Light	yellow/black	-	driver front pillar, white 30 or 24 pin plug, pin 16
Trunk/Hatch Pin	white	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 10
Hood Pin	green	-	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 10
Trunk/Hatch Release	green (rear handle switch)	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 11

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Trunk Release Motor	gray/orange	+	SJB-Dash Fuse Box, black 16 pin plug (A), pin 11
Tachometer	green/orange	ac	driver kick, white 58 pin plug, pin 20
Clutch Pedal	red	-	driver kick, white 58 pin plug, pin 3
Fuel Pump	white	+	driver kick, white 2 pin plug, pin 1
Rear Defroster	white	- latched	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 16
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	white (manual A/C); gray (auto A/C)	+	A/C controls, white 8 pin plug, pin 3 or white 40 pin plug, pin 22
Right Front Heated Seat	gray (manual A/C); brown (auto A/C)	+	A/C controls, white 8 pin plug, pin 2 or white 40 pin plug, pin 26
Speed Sense	yellow	4-Pulse	data link conn, blk 16 pin plg, pin 3 or radio, white 24 pin plug, pin 16
Brake Wire	gray	+	driver kick, white 58 pin plug, pin 11
Parking Brake	blue	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 13
Horn Trigger	white	-	driver kick, white 58 pin plug, pin 44
Wipers	green/orange	+	driver kick, white 58 pin plug, pin 55
Left Front Window (Up/Down)	white - yellow (with auto down only)	A	power window main switch, white 18 pin plug, pins 7 - 8
Right Front Window (Up/Down)	brown - white (without auto up/down only)	A	driver kick, door harness
Left Rear Window (Up/Down)	blue - orange	A	driver kick, door harness
Right Rear Window (Up/Down)	green - yellow	A	driver kick, door harness
Sun Roof (Open/Close)	yellow - gray (function with ignition on only)	-	driver front pillar, white 30 or 24 pin plug, pins 7 - 22
Radio 12V	orange, red, or blue	+	radio, white 24 pin plug, pin 12
Radio Ground	black	-	radio, white 24 pin plug, pin 24
Radio Ignition	blue or brown	+	radio, white 24 pin plug, pin 11 or 18

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Radio Illumination	blue (parking lights); gray (dimmer)	+,-	radio, yellow 18 pin plug, pins 8, 17
Factory Amp Turn-on	(M-CAN)		
Power Antenna	red	+	radio, yellow 18 pin plug, pin 18
Left Front Speaker (+/-)	red - blue	+,-	radio, yellow 18 pin plug, pins 2 - 11
Right Front Speaker (+/-)	green - orange	+,-	radio, yellow 18 pin plug, pins 3 - 12
Left Rear Speaker (+/-)	yellow - black	+,-	radio, yellow 18 pin plug, pins 1 - 10
Right Rear Speaker (+/-)	brown - white	+,-	radio, yellow 18 pin plug, pins 4 - 13
Center Channel (+/-)	white - brown	+,-	amplifier under passenger seat, white 22 pin plug, pins 1 - 12
Subwoofer (+/-)	brown - white (1); green - orange (2)	+,-	amplifier under passenger seat, white 12 pin plug, pins 6-12; 5-11
Aux. Audio Input Left (+/-)	green - black/orange or red - black/orange	+,-	radio, white 24 pin plug, pins 21 - 9
Aux. Audio Input Right (+/-)	white - black/orange or black - black/orange	+,-	radio, white 24 pin plug, pins 8 - 9
RSE Video (+/-)	green - white (rear view camera video)	+,-	radio, white 24 pin plug, pins 6 - 18 or 23 - 22
Satellite Radio 12 Volts	(built into radio)		

## 2016 Kia Soul (Smart Key) - North America

**What Fits**

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

**2016 Kia Soul (Smart Key) - North America*****Additional Wiring Notes***

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are red - blue at the amplifier under passenger seat, white 12 pin plug, pins 1 - 7.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are red - yellow at the amplifier under passenger seat, white 12 pin plug, pins 3 - 9.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are green - orange at the amplifier under passenger seat, white 12 pin plug, pins 2 - 8.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are red/orange - blue at the amplifier under passenger seat, white 12 pin plug, pins 4 - 10.