

2016 Kia Soul EV - 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	Yellow	+	SJB-Dash Fuse Box, blue 31 pin plug (E), pin 22
Ignition	Pink	+	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	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Brown (C-CAN)	Data	OBD-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	Pink/Black	-	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	Reverse	SJB-Dash Fuse Box, black 36 pin plug (C), pin 35
Driver Unlock Motor	White	Reverse	SJB-Dash Fuse Box, black 36 pin plug (C), pin 17
Passenger Unlock Motor	Green	Reverse	SJB-Dash Fuse Box, black 36 pin plug (C), pin 21

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Item	Wire Color	Polarity	Wire Location
Factory Alarm Arm	White (key lock); Brown (detection) (see Tech Doc 1300)	- and Open	SJB-Dash Fuse Box, white 16 pin plug (B), pins 15, 6
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	(proximity key and push button)		
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)	White (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	Pink/Black	-	Headlight Switch, white 13 pin plug, pin 4
AutoLights	Green	Cut	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 pin plug, pin 16
Trunk/Hatch Pin	White	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 10
Trunk/Hatch Release	Blue (rear handle switch)	-	SJB-Dash Fuse Box, white 16 pin plug (B), pin 11

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Item	Wire Color	Polarity	Wire Location
Trunk Release Motor	Gray/Orange	+	SJB-Dash Fuse Box, black 16 pin plug (A), pin 11
Fuel Door Release	Blue/Orange (charge door)	-	Charge Door Open Switch, white 16 pin plug, pin 9
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	Gray	+	A/C Controls, white 40 pin plug, pin 22
Right Front Heated Seat	White	+	A/C Controls, white 40 pin plug, pin 26
Speed Sense	Yellow	4-Pulse	OBD-Data Link Connector, black 16 pin plug, pin 3 or Radio, white 24 pin plug, pin 16
Brake Wire	Gray	+	Driver Kick, white 58 pin plug, pin 11
Parking Brake	(electric parking brake)		
Horn Trigger	White	-	Driver Kick, white 58 pin plug, pin 44
Wipers	Orange	+	Driver Kick, white 58 pin plug, pin 55
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	Brown - White	A	Driver Kick, door harness
Left Rear Window (Up/Down)	Blue - Orange	A	Driver Kick, door harness
Right Rear Window (Up/Down)	Blue - Yellow	A	Driver Kick, door harness
Sun Roof (Open/Close)	Yellow - Gray (function with ignition on only)	-	Driver Front Pillar, white 30 pin plug, pins 10 - 11
Radio 12V	Orange or Green	+	Radio, white 24 pin plug, pin 12
Radio Ground	Black	-	Radio, white 24 pin plug, pin 24
Radio Ignition	Blue	+	Radio, white 24 pin plug, pin 11 or 18
Radio Illumination	Blue (parking lights); Gray (dimmer)	+,-	Radio, white or yellow 18 pin plug, pins 8, 17
Power Antenna	Red	+	Radio, white or yellow 18 pin plug, pin 18
Left Front Speaker (+/-)	Red - Blue	+,-	Radio, white or yellow 18 pin plug, pins 2 - 11

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Item	Wire Color	Polarity	Wire Location
Right Front Speaker (+/-)	Yellow - Black	+,-	Radio, white or yellow 18 pin plug, pins 3 - 12
Left Rear Speaker (+/-)	Yellow - Black	+,-	Radio, white or yellow 18 pin plug, pins 1 - 10
Right Rear Speaker (+/-)	Brown - White	+,-	Radio, white or yellow 18 pin plug, pins 4 - 13
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
Rearview Camera Video	Yellow - White	+,-	Radio, white 24 pin plug (C), pins 23 - 22
Satellite Radio 12 Volts	(built into radio)		

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**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