

2016 Subaru Impreza (Smart Key) - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	dash fuse box, rear, brown 9 pin plug, pin 6
Starter	pink	+	Keyless Access Module right of BIU, white 18 pin plug, pin 7
Ignition	purple	+	Keyless Access Module right of BIU, white 30 pin plug, pin 6
Second Ignition	lt. blue	+	Keyless Access Module right of BIU, white 18 pin plug, pin 9
Accessory	blue	+	Keyless Access Module right of BIU, white 30 pin plug, pin 4
PTS 1	orange	-	Keyless Access Module right of BIU, white 30 pin plug, pin 28
PTS 2	black	-	Keyless Access Module right of BIU, white 30 pin plug, pin 30
CAN Bus High	red	data	BIU behind dash fuse box, white 35 pin plug (B), pin 20
CAN Bus Low	blue	data	BIU behind dash fuse box, white 35 pin plug (B), pin 28
CAN Bus High 2	white	data	Keyless Access Module right of BIU, white 30 pin plug, pin 14
CAN Bus Low 2	lt. blue	data	Keyless Access Module right of BIU, white 30 pin plug, pin 15
IMMO Data	red/yellow or yellow	data	ECM behind glove box, white 35 pin plug (B), pin 25
Security Light	brown/red	-	BIU behind dash fuse box, white 31 pin plug (D), pin 26
Door Lock Data	red (keyless data)	data	Keyless Access Module right of BIU, white 28 pin plug, pin 17
Power Lock	lt. green/black	-	driver kick, white 28 pin plug, pin 15
Power Unlock	blue/black	-	driver kick, white 28 pin plug, pin 16
Lock Motor	red/green	5 wire	driver kick, white 28 pin plug, pin 17

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Driver Unlock Motor	lt. green	5 wire	driver kick, white 28 pin plug, pin 18
Passenger Unlock Motor	lt. green	5 wire	driver kick, white 24 pin plug, pin 13
Factory Alarm Arm	(arms on lock with driver door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(proximity key and push-button)		
Parking Lights (+)	black/white	+	dash fuse box, white 20 pin plug, pin 12
Parking Lights (-)	black/blue	-	BIU behind dash fuse box, white 35 pin plug (B), pin 17
Hazards	green	-	BIU behind dash fuse box, white 31 pin plug (D), pin 18
Turn Signal (Left)	white/red	+	dash fuse box, white 20 pin plug, pin 20
Turn Signal (Right)	gray	+	dash fuse box, white 20 pin plug, pin 3
Headlight	blue/black	-	BIU behind dash fuse box, white 35 pin plug (B), pin 34
AutoLights	blue/orange (interrupt to turn off)	-	BIU behind dash fuse box, white 35 pin plug (B), pin 16
Reverse Light	brown/yellow	+	passenger kick, white 20 pin plug, pin 4
Left Front Door Trigger	blue/orange to blue/white	-	driver kick, white 10 pin plug, pin 8
Right Front Door Trigger	blue/orange	-	BIU behind dash fuse box, white 35 pin plug (C), pin 13
Left Rear Door Trigger	yellow/white	-	driver kick, white 10 pin plug, pin 9
Right Rear Door Trigger	white/red	-	BIU behind dash fuse box, white 35 pin plug (C), pin 25
Dome Light	green/yellow	-	BIU behind dash fuse box, white 35 pin plug (C), pin 4
Trunk/Hatch Pin	yellow/blue	-	BIU behind dash fuse box, white 35 pin plug (C), pin 33
Hood Pin	yellow/black (with remote start only)	-	Remote Start Module conn above brake pedal, wht 8 pin plug, pin 5

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Trunk/Hatch Release	grn/red (5dr rear handle sw) (4dr use trk rel mtr)	-	BIU behind dash fuse box, white 35 pin plug (C), pin 10
Trunk Release Motor	black/blue	5 wire	BIU behind dash fuse box, white 31 pin plug (D), pin 7
Tachometer	green	ac	Keyless Access Module right of BIU, white 18 pin plug, pin 17
Fuel Pump	red/black	+	passenger kick, white 20 pin plug, pin 5
Rear Defroster	purple/green	- latched	BIU behind dash fuse box, white 34 pin plug (A), pin 26
Mirror Defroster	(mirror same as rear defrost); blue (wiper deicer)	- latched	BIU behind dash fuse box, white 31 pin plug (D), pin 9
Left Front Heated Seat	red/blue (LO); lt. green (HI)	5 wire	seat heater switch, white 8 pin plug, pins 1, 4
Right Front Heated Seat	red/white (LO); white (HI)	5 wire	seat heater switch, white 8 pin plug, pins 3, 8
Speed Sense	pink/green	ac	radio, white 28 pin plug, pin 17
Brake Wire	lt. green	+	Keyless Access Module right of BIU, white 18 pin plug, pin 18
Parking Brake	gray	-	driver kick, white 24 pin plug, pin 16
Horn Trigger	red	-	horn switch, white 14 pin plug, pin 9
Wipers	red/blue (LO); black/blue (HI); green/black (ign)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	blue/red - blue/green	A	power window main switch, white 3 pin plug, pins 3 - 1
Right Front Window (Up/Down)	red - red/yellow	A	driver kick, white 28 pin plug, pins 5 - 6
Left Rear Window (Up/Down)	green/red - black/yellow	A	driver kick, white 28 pin plug, pins 9 - 10
Right Rear Window (Up/Down)	blue - blue/yellow	A	driver kick, white 28 pin plug, pins 7 - 8
Sun Roof (Open/Close)	blue - red (function with ignition on only)	+	sunroof switch, white 5 pin plug, pins 1 - 4
Radio 12V	blue/red	+	radio, white 10 pin plug, pin 4
Radio Ground	black/blue	-	radio, white 10 pin plug, pin 7

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Radio Ignition	yellow/red	+	radio, white 10 pin plug, pin 3
Radio Illumination	purple (parking lights); black/white (dimmer)	+,-	radio, white 10 pin plug, pin 10; white 6 pin plug, pin 5
Power Antenna	yellow/black	+	radio, white 10 pin plug, pin 8
Left Front Speaker (+/-)	white/green - blue/orange or white/blue - red/yel	+,-	radio, white 10 pin plug, pins 6 - 2
Right Front Speaker (+/-)	green - brown/yellow or red - brown/white	+,-	radio, white 10 pin plug, pins 5 - 1
Left Rear Speaker (+/-)	red/black - white/red	+,-	radio, white 6 pin plug, pins 6 - 2
Right Rear Speaker (+/-)	red/white - gray/green	+,-	radio, white 6 pin plug, pins 3 - 1
Aux. Audio Input Left (+/-)	white - (shield)	+,-	radio, white 28 pin plug, pins 28 - 27
Aux. Audio Input Right (+/-)	black - (shield)	+,-	radio, white 28 pin plug, pins 26 - 27
RSE Video (+/-)	red - (shield) (rearview camera video)	+,-	radio, wh 28P plg, pins 12-13; wh 5P plg, pins 3-4
Satellite Radio 12 Volts	(built into radio)		

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***What Fits***

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.3		left front door
Left Front Tweeter	2.56		left front dash
Right Front Speaker	6.3		right front door
Right Front Tweeter	2.56		right front dash
Left Rear Speaker	6.3		left rear door
Right Rear Speaker	6.3		right rear door
Satellite Radio Tuner	(built into radio)		