

2016 Subaru Forester (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	brown	+	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	beige	+	Keyless Access Module right of BIU, white 18 pin plug, pin 9
Accessory	purple	+	Keyless Access Module right of BIU, white 30 pin plug, pin 4
PTS 1	white	-	Keyless Access Module right of BIU, white 30 pin plug, pin 28
PTS 2	green	-	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	red	data	Keyless Access Module right of BIU, white 30 pin plug, pin 15
IMMO Data	white/blue (non-turbo)	data	ECM behind glove box, white 35 pin plug (B), pin 25
IMMO Data 2	green/black (turbo)	data	ECM on passenger fender, black 48 pin plug, pin 43
Security Light	brown/red	-	BIU behind dash fuse box, white 31 pin plug (D), pin 26
Door Lock Data	white (keyless data)	data	Keyless Access Module right of BIU, white 28 pin plug, pin 17
Power Lock	lt. blue	-	driver kick, white 28 pin plug, pin 15
Power Unlock	blue/black	-	driver kick, white 28 pin plug, pin 16

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Item	Wire Color	Polarity	Wire Location
Lock Motor	white	5 wire	driver kick, white 28 pin plug, pin 17
Driver Unlock Motor	red/green	5 wire	driver kick, white 28 pin plug, pin 18
Passenger Unlock Motor	red/yellow to lt. green	5 wire	driver kick, white 19 pin plug, pin 7
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(proximity key and push-button)		
Parking Lights (+)	lt. blue	+	dash fuse box, white 20 pin plug, pin 12
Parking Lights (-)	lt. green	-	BIU behind dash fuse box, white 35 pin plug (B), pin 17
Hazards	pink	-	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)	green/red	+	dash fuse box, white 20 pin plug, pin 3
Headlight	white/green	-	BIU behind dash fuse box, white 35 pin plug (B), pin 34
AutoLights	pink (interrupt to turn off)	-	BIU behind dash fuse box, white 35 pin plug (B), pin 16
Reverse Light	brown/yellow	+	driver kick, white 14 pin plug, pin 14
Left Front Door Trigger	blue/white to white	-	driver kick, white 19 pin plug, pin 10
Right Front Door Trigger	brown/black	-	BIU behind dash fuse box, white 35 pin plug (C), pin 13
Left Rear Door Trigger	yellow to green	-	driver kick, white 19 pin plug, pin 15
Right Rear Door Trigger	beige	-	BIU behind dash fuse box, white 35 pin plug (C), pin 25
Dome Light	brown	-	BIU behind dash fuse box, white 35 pin plug (C), pin 4
Trunk/Hatch Pin	brown	-	BIU behind dash fuse box, white 35 pin plug (C), pin 33
Hood Pin	green (with remote start only)	-	Remote Start Module conn above brake pedal, wht 8 pin plug, pin 5

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Trunk/Hatch Release	blue (rear handle sw); brown/white (pwr liftgate)	-; +	BIU, white 35 pin plug (C), pin 10; pwr liftgate sw, wht 6 pin plg, pin 1
Trunk Release Motor	black/blue (without power liftgate)	5 wire	BIU behind dash fuse box, white 31 pin plug (D), pin 7
Tachometer	red	ac	Keyless Access Module right of BIU, white 18 pin plug, pin 17
Fuel Pump	red/black	+	passenger kick, white 14 pin plug, pin 4
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 (LO)	5 wire	left seat heater switch, white 6 pin plug, pin 5
Right Front Heated Seat	blue (LO)	5 wire	right seat heater switch, brown 6 pin plug, pin 5
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	-	dash fuse box, white 20 pin plug, pin 13
Horn Trigger	blue	-	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 - lt. green/red	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)	white - blue (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 (+/-)	red/yellow - white/black or black - green	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	brown/white - green or red - white	+,-	radio, white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	white/red - red/black or black - white	+,-	radio, white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	green - red/white	+,-	radio, white 6 pin plug, pins 1 - 3
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 (+/-)	black - (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			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
Left Rear Tweeter			left rear door
Right Rear Speaker			right rear door
Right Rear Tweeter			right rear door
Satellite Radio Tuner	(built into radio)		

2016 Subaru Forester (Smart Key) - North America***Additional Wiring Notes***

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