

2014 Subaru Forester (Smart Key)



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow (40A) (common)	+	relay holder above driver kick, white 44 pin plug, pin 29
Second 12 Volts	yellow (40A) (common)	+	fuse holder R of dash FB, white 26 pin plg, pin 10
Starter	brown	+	relay holder above driver kick, white 44 pin plug, pin 2
Second Starter	white (SS1), green (SS2)	-	push button ignition switch, white 14 pin plug, pins 7 and 2
Ignition	green	+	dash fuse box, rear, brown 9 pin plug, pin 8
Second Ignition	pink	+	dash fuse box, rear, brown 9 pin plug, pin 3
Third Ignition	N/A		
Accessory	red	+	dash fuse box, rear, brown 9 pin plug, pin 7
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	yellow (immobilizer serial communication)	data	Keyless Access Module right of BIU, white 18 pin plug, pin 13
Can Bus High	red (high-speed CAN)	data	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 27
Can Bus Low	blue (high-speed CAN)	data	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 35
Can Bus Sw	green (keyless entry serial communication)		Body Integrated Unit above driver kick, white 31 pin plug (D), pin 11
Power Lock	lt. blue	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 9
Power Unlock	blue/black	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 20
Lock Motor	red/blue	5 wire	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 2
Unlock Motor	red/green	5 wire	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 4
Disarm Defeat	red/yellow	5 wire	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 3
Parking Lights (+)	lt. blue	+	dash fuse box, white 20 pin plug, pin 12
Parking Lights (-)	lt. green	-	Body Integrated Unit above driver kick, white 35 pin plug (B), pin 17
Hazards	white/green	-	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 18
Turn Signal (Left)	white/red	+	dash fuse box, white 20 pin plug, pin 20
Turn Signal (Right)	red	+	dash fuse box, white 20 pin plug, pin 3

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	white/green	-	Body Integrated Unit above driver kick, white 35 pin plug (B), pin 34
AutoLights	pink (interrupt to turn off autolights)	-	Body Integrated Unit, white 35 pin plg (B), pin 16
Reverse Light	brown/yellow	+	driver kick, white 14 pin plug, pin 14
Left Front Door Trigger	red	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 14
Right Front Door Trigger	white/red	-	Body Integrated Unit, white 35 pin plg (C), pin 13
Left Rear Door Trigger	green	-	Body Integrated Unit, white 35 pin plg (C), pin 24
Right Rear Door Trigger	white	-	Body Integrated Unit, white 35 pin plg (C), pin 25
Dome Supervision	brown	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 4
Trunk/Hatch Pin	brown	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 33
Rear Glass Pin	N/A		
Hood Pin	yellow/black	-	hood switch, black 2 pin plug, pin 1
Trunk Hatch/Release	blue (rear handle switch)	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 10
Trunk Release Motor	black/blue (without power liftgate)	5 wire	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 7
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	arms on lock with door open		
Factory Alarm Disarm	see disarm no unlock		
Disarm No Unlock	smart key and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	red	ac	Keyless Access Module right of BIU, white 18 pin plug, pin 17
Wait to Start	N/A		
Neutral Safety	red/green (M/T)	-	Engine Control Module behind glove box, wht 31 pin plug, pin 16
Clutch Pedal	pink	+	clutch switch, white 2 pin plug, pin 2
Fuel Pump	red/black	+	passenger kick, white 14 pin plug, pin 4
Rear Defroster	purple/green	- latched	Body Integrated Unit above driver kick, white 34 pin plug (A), pin 26
Mirror Defroster	(mirror same as rear defrost); blue (wiper deicer)	- latched	Body Integrated Unit above driver kick, white 31 pin plug (D), pin 9
Left Front Heated Seat	red (low heat)	5 wire	left seat heater switch, white 6 pin plug, pin 5
Right Front Heated Seat	blue (low heat)	5 wire	right seat heater switch, brown 6 pin plug, pin 5

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Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	pink/green	ac	radio, white 20 pin plug, pin 19, or white 28 pin plug, pin 17
Brake Wire	brown/red or white/red	+	Body Integrated Unit above driver kick, white 34 pin plug (A), pin 10
Parking Brake	gray	-	Body Integrated Unit above driver kick, white 35 pin plug (C), pin 32
Horn Trigger	red (non-turbo), yellow (turbo)	-	Body Integrated Unit above driver kick, white 34 pin plug (A), pin 24
Wipers	red/blue (L), black/blue (H), green/black (ignit)	+	wiper switch, white 10 pin plug, pins 3, 4, and 2
Left Front Window (Up/Down)	blue/red - lt. green/red	A	power window main switch, white 3 pin plug, pins 3 and 1
Right Front Window (Up/Down)	red - red/yellow	A	driver kick, white 28 pin plug, pins 5 and 6
Left Rear Window (Up/Down)	green/red - black/yellow	A	driver kick, white 28 pin plug, pins 9 and 10
Right Rear Window (Up/Down)	blue - blue/yellow	A	driver kick, white 28 pin plug, pins 7 and 8
Sun Roof (Open/Close)	white - blue (function with ignition on only)	+	sunroof switch, white 5 pin plug, pins 1 and 4
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	blue/red	+	radio, white 20 pin plug, pin 20, or white 10 pin plug, pin 4
Radio Ground	black/blue	-	radio, white 20 pin plug, pin 10, or white 10 pin plug, pin 7
Radio Ignition	yellow/red	-	radio, white 20 pin plug, pin 3, or white 10 pin plug, pin 3
Radio Illumination	purple (parking lights), black/white (dimmer)	+,-	radio, white 20 pin plug, pins 1 and 2
Factory Amp Turn-on	lt. blue	+	radio, white 16 pin plug, pin 5, or white 10 pin plug, pin 9
Power Antenna	yellow/black	+	radio, white 20 pin plug, pin 9, or white 10 pin plug, pin 8
Left Front Speaker (+/-)	red/yellow - white/black, or black - green	+,-	radio, white 20 pin plug, pins 8 - 7, or white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	brown/white - green, or red - white	+,-	radio, white 20 pin plug, pins 18 - 17, or white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	white/red - red/black, or black - white	+,-	radio, white 20 pin plug, pins 6 - 5, or white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	green - red/white, or red - green	+,-	radio, white 20 pin plug, pins 16 - 15, or white 6 pin plug, pins 1 - 3
Center Channel (+/-)	N/A		
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	white - (shield)	+,-	radio, 16P plug, pins 3-11 or 28P plug, pins 28-27
Aux. Audio Input Right (+/-)	black - (shield)	+,-	radio, 16P plug, pins 4-11 or 28P plug, pins 26-27
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	N/A		

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DirectWire Vehicle Information - 3/6/2014 12:22:04 AM			
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	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
Center Channel	N/A		
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Trunk Hatch/Release	On models with power liftgate, the open/close is brown/white (+) at the switch on driver dash, white 6 pin plug, pin 1.
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 and 5; 3 and 9.
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 and 4; 1 and 2.
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 and 4; 2 and 6.
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 and 9; 8 and 7.
Radio Illumination	On models with navigation, they are at the radio, white 10 pin plug, pin 10, and white 6 pin plug, pin 5.
Data Bus	The immobilizer light is brown/red (-) at the Body Integrated Unit above driver kick, white 31 pin plug (D), pin 26.