

2016 Subaru Outback (Smart Key) - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	red (60A)	+	dash fuse box, rear, white 4 pin plug, pin 3
Starter	white/black	+	dash fuse box, brown 12 pin plug, pin 10
Ignition	gray/red	+	dash fuse box, white 8 pin plug, pin 4
Second Ignition	blue/red	+	dash fuse box, brown 12 pin plug, pin 12
Accessory	green	+	dash fuse box, brown 12 pin plug, pin 2
PTS 1	red	-	push button ignition switch, black 14 pin plug, pin 7
PTS 2	black	-	push button ignition switch, black 14 pin plug, pin 2
CAN Bus High	red (Main CAN)	data	dash fuse box, rear, white 40 pin plug, pin 22
CAN Bus Low	blue (Main CAN)	data	dash fuse box, rear, white 40 pin plug, pin 2
CAN Bus High 2	red (Body CAN)	data	dash fuse box, rear, white 32 pin plug, pin 31
CAN Bus Low 2	blue (Body CAN)	data	dash fuse box, rear, white 32 pin plug, pin 15
IMMO Data	red/white	data	ECM on passenger side of engine, bottom, black 65 pin plug, pin 38
Security Light	brown/yellow	-	dash fuse box, rear, white 40 pin plug, pin 26
Power Lock	brown/white	-	dash fuse box, rear, white 40 pin plug, pin 32
Power Unlock	brown/black	-	dash fuse box, rear, white 40 pin plug, pin 12
Lock Motor	lt. green/yellow	5 wire	dash fuse box, white 8 pin plug, pin 6
Driver Unlock Motor	blue/green	5 wire	dash fuse box, rear, white 10 pin plug, pin 6
Passenger Unlock Motor	red/black	5 wire	dash fuse box, white 8 pin plug, pin 2
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 (+)	black/green	+	dash fuse box, blue 16 pin plug, pin 5

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Item	Wire Color	Polarity	Wire Location
Parking Lights (-)	black	-	headlight switch, white 20 pin plug, pin 18
Hazards	green	-	dash fuse box, rear, white 40 pin plug, pin 37
Turn Signal (Left)	black/green (F); blue/yellow (R)	+	dash fuse box, rear, black 8 pin plug, pin 3; rear, white 10 pin plug, pin 1
Turn Signal (Right)	red/green (F); red/green (R)	+	dash fuse box, rear, black 8 pin plug, pin 8; rear, white 10 pin plug, pin 5
Headlight	green/white	-	headlight switch, white 20 pin plug, pin 20
AutoLights	orange (interrupt to turn off)	-	headlight switch, white 20 pin plug, pin 19
Reverse Light	brown/yellow	+	dash fuse box, blue 16 pin plug, pin 3
Left Front Door Trigger	pink	-	dash fuse box, rear, white 40 pin plug, pin 33
Right Front Door Trigger	blue/orange	-	dash fuse box, rear, white 40 pin plug, pin 13
Left Rear Door Trigger	lt. green	-	dash fuse box, rear, white 40 pin plug, pin 14
Right Rear Door Trigger	gray	-	dash fuse box, rear, white 40 pin plug, pin 34
Dome Light	brown	-	dash fuse box, rear, white 10 pin plug, pin 9
Trunk/Hatch Pin	lt. green/black	-	dash fuse box, rear, white 40 pin plug, pin 15
Hood Pin	yellow/black (with remote start only)	-	Remote Start Module jumper harness above driver kick, white 8 pin plug, pin 5
Trunk/Hatch Release	blue/green (rear handle switch); blue/green (power liftgate)	-	dash fuse box, rear, white 40 pin plug, pin 6; power liftgate switch, gray 4 pin plug, pin 1
Trunk Release Motor	purple (without power liftgate)	5 wire	dash fuse box, white 12 pin plug, pin 7
Tachometer	brown/black, blue/black, purple, or brown/white (4-cyl)	ac	ECM on passenger side of engine, top, black 65 pin plug, pin 23, 8, 9, or 22
Fuel Pump	red/black	+	passenger kick, white 4 pin plug, pin 4
Rear Defroster	purple/green	- latched	dash fuse box, rear, white 32 pin plug, pin 21
Mirror Defroster	(mirror same as rear defroster); pink/green (wiper deicer)	- latched	dash fuse box, rear, white 32 pin plug, pin 18

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Item	Wire Color	Polarity	Wire Location
Left Front Heated Seat	(LIN bus)		
Right Front Heated Seat	(LIN bus)		
Speed Sense	green/white	ac	radio, white 28 pin plug, pin 17
Brake Wire	brown/white	+	brake switch, white 5 pin plug, pin 2
Parking Brake	white/green	-	electric parking brake switch, white 12 pin plug, pin 12
Horn Trigger	red	-	horn switch, white 14 pin plug, pin 9
Wipers	red/blue (LO); black/blue (HI); green/white (ignition)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	orange - purple	A	power window main switch, white 16 pin plug, pins 10 - 4
Right Front Window (Up/Down)	red - purple (without auto); red - purple (with auto)	A	driver kick, white 46 pin plug, pins 2 - 1; right front window switch, white 12 pin plug, pins 3 - 2
Left Rear Window (Up/Down)	lt. green - gray	A	driver kick, white 46 pin plug, pins 11 - 10
Right Rear Window (Up/Down)	blue - pink	A	driver kick, white 46 pin plug, pins 6 - 5
Sun Roof (Open/Close)	red - green (function with ignition on only)	-	sunroof switch, white 5 pin plug, pins 1 - 4
Memory Seat 1	lt. green	-	driver kick, white 46 pin plug, pin 27
Memory Seat 2	white	-	driver kick, white 46 pin plug, pin 26
Radio 12V	blue/red	+	radio, white 10 pin plug, pin 4
Radio Ground	black/blue	-	radio, white 10 pin plug, pin 7
Radio Ignition	gray/green	+	radio, white 10 pin plug, pin 3
Radio Illumination	blue/red (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 (+/-)	purple - white or purple/white - white/black	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	blue - pink or blue/white - pink/white	+,-	radio, white 10 pin plug, pins 1 - 5

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Item	Wire Color	Polarity	Wire Location
Left Rear Speaker (+/-)	orange - red	+,-	radio, white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	white - yellow	+,-	radio, white 6 pin plug, pins 1 - 3
Center Channel (+/-)	lt. green - yellow	+,-	amplifier under passenger seat, white 30 pin plug, pins 10 - 25
Subwoofer (+/-)	red - green	+,-	amplifier under passenger seat, white 30 pin plug, pins 8 - 23
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 (+/-)	white - (shield) (rearview camera video)	+,-	radio, white 28 pin plug, pins 12 - 13 or white 5 pin plug, pins 3 - 4
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
Center Channel			top center of dash
Subwoofer			top center of rear shelf
Satellite Radio Tuner	(built into radio)		

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***Additional Wiring Notes***

Item	Note
IMMO Data	Also found red/white at junction connector behind dash fuse box, white 86 pin plug, pin 44.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are purple - gray (woofer); red - orange (tweeter) at the amplifier under passenger seat, white 30 pin plug, pins 11 - 26; 13 - 28.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are green - blue at the amplifier under passenger seat, white 30 pin plug, pins 14 - 29.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are blue - white (woofer); green - brown (tweeter) at the amplifier under passenger seat, white 30 pin plug, pins 12 - 27; 9 - 24.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are brown - white at the amplifier under passenger seat, white 30 pin plug, pins 15 - 30.
Tachometer	On 6-cylinder models, the fuel injectors are white, black/yellow, black/red, black/blue, green/black, or white/green at the ECM on passenger side of engine, top, black 65 pin plug, pin 23, 8, 9, 22, 52, or 13.