

2011 Subaru Outback



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white (40A)	+	ignition switch, white 6 pin plug, pin 3
Second 12 Volts	N/A		
Starter	white/blue	+	ignition switch, white 6 pin plug, pin 2
Second Starter	white/green	+	ignition switch, white 6 pin plug, pin 6
Ignition	green	+	ignition switch, white 6 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	blue	+	ignition switch, white 6 pin plug, pin 4
Second Accessory	yellow	+	ignition switch, white 6 pin plug, pin 5
Third Accessory	N/A		
Key Sense	black/white	+	Body Integrated Unit R of steering column, wht 34 pin plg (A), pin 4
Data Bus	white/blue (immobilizer serial communication)	data	Body Integrated Unit R of steering column, wht 34 pin plg (A), pin 31
Can Bus High	red (high-speed CAN)	data	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 27
Can Bus Low	blue (high-speed CAN)	data	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 35
Can Bus Sw	yellow (keyless entry serial communication)	data	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 11
Power Lock	brown/white	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 9
Power Unlock	brown/black	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 20
Lock Motor	lt. green/yellow	5 wire	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 2
Unlock Motor	lt. green	5 wire	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 4
Disarm Defeat	red/green	5 wire	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 3
Parking Lights (+)	black/blue	+	dash fuse box, white 20 pin plug, pin 10
Parking Lights (-)	black/white	-	Body Integrated Unit R of steering column, wht 35 pin plg (B), pin 17
Hazards	green	-	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 18
Turn Signal (Left)	blue	+	dash fuse box, white 20 pin plug, pin 20
Turn Signal (Right)	red/green	+	dash fuse box, white 20 pin plug, pin 3

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Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	pink/white	-	Body Integrated Unit R of steering column, wht 35 pin plg (B), pin 34
AutoLights	blue (interrupt to turn off autolights)	-	Body Integrated Unit, white 35 pin plg (B), pin 16
Reverse Light	brown/yellow	+	driver kick, white 16 pin plug, pin 7
Left Front Door Trigger	blue/white	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 14
Right Front Door Trigger	blue/orange	-	Body Integrated Unit, white 35 pin plg (C), pin 13
Left Rear Door Trigger	yellow/red	-	Body Integrated Unit, white 35 pin plg (C), pin 24
Right Rear Door Trigger	white/red	-	Body Integrated Unit, white 35 pin plg (C), pin 25
Dome Supervision	brown	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 4
Trunk/Hatch Pin	lt. green/black	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 33
Rear Glass Pin	N/A		
Hood Pin	yellow/black (with factory remote start only)	-	hood sw or Remote Strt Mod bhnd dash fuse box, wht 4 pin plg, pin 4
Trunk Hatch/Release	red (release sw, Legacy) (rear handle sw, Outback)	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 10
Trunk Release Motor	white/black	5 wire	Body Integrated Unit R of steering column, wht 31 pin plg (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	transponder, ignition, and keysense		
Trunk Alarm Shunt	N/A		
Tachometer	red/white to white/green	ac	cluster, wht 40 pin plug, pin 30 or ECM, wht 35 pin plug (B), pin 15
Wait to Start	N/A		
Neutral Safety	green/black (M/T)	-	Engine Control Mod behind glove box, white 35 pin plug (C), pin 35
Clutch Pedal	black/blue	-	clutch switch, white 5 pin plug, pin 2
Fuel Pump	red/black	+	passenger kick, white 11 pin plug, pin 2
Rear Defroster	purple/green	- latched	Body Integrated Unit R of steering column, wht 34 pin plg (A), pin 26
Mirror Defroster	mirror same as rear defrost; grn/blk (wpr deicer)	- latched	Body Integrated Unit R of steering column, wht 31 pin plg (D), pin 9
Left Front Heated Seat	lt. green (low heat)	5 wire	left seat heater switch, white 6 pin plug, pin 5
Right Front Heated Seat	white (low heat)	5 wire	right seat heater switch, brown 6 pin plug, pin 5

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	green/black	ac	driver kick, white 18 pin plug, pin 4
Brake Wire	brown/white	+	Body Integrated Unit R of steering column, wht 34 pin plg (A), pin 10
Parking Brake	gray	-	Body Integrated Unit R of steering column, wht 35 pin plg (C), pin 32
Horn Trigger	red	-	Body Integrated Unit R of steering column, wht 34 pin plg (A), pin 24
Wipers	red/blue (L), black/blue (H), green/white (ignit)	+	wiper switch, white 18 pin plug, pins 8, 18, and 9
Left Front Window (Up/Down)	blue/red - blue/green	A	power window main switch, white 16 pin plug, pins 16 and 13
Right Front Window (Up/Down)	red - red/blue	A	driver kick, white 28 pin plug, pins 5 and 6
Left Rear Window (Up/Down)	white/red - black/white	A	driver kick, white 28 pin plug, pins 9 and 10
Right Rear Window (Up/Down)	blue - blue/red	A	driver kick, white 28 pin plug, pins 7 and 8
Sun Roof (Open/Close)	black/yellow - white (function with ign 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	green/white and blue/red	+	radio, white 20 pin plug, pins 20 and 19
Radio Ground	black	-	radio, white 20 pin plug, pin 10
Radio Ignition	yellow/red	+	radio, white 20 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	pink	+	radio, white 24 pin plug, pin 23
Power Antenna	yellow/black	+	radio, white 20 pin plug, pin 9
Left Front Speaker (+/-)	brown/white - green or black - green	+,-	radio, white 20 pin plug, pins 8 and 7
Right Front Speaker (+/-)	red/yellow - white/black or red - white	+,-	radio, white 20 pin plug, pins 18 and 17
Left Rear Speaker (+/-)	white/red - red/black or white/blue - orange/blue	+,-	radio, white 20 pin plug, pins 6 and 5
Right Rear Speaker (+/-)	blue/yellow - red/white or blue/yellow - blue/grn	+,-	radio, white 20 pin plug, pins 16 and 15
Center Channel (+/-)	N/A		
Subwoofer (+/-)	blue - pink (1); blue/white - green (2)	+,-	amplifier under pass seat, white 12 pin plug, pins 5 and 12; 4 and 10
Aux. Audio Input Left (+/-)	white - (shield)	+,-	radio, wht 24 pin plg, pins 7 and 19, or 10 and 21
Aux. Audio Input Right (+/-)	red - (shield)	+,-	radio, wht 24 pin plg, pins 8 and 19, or 22 and 21
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		

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DirectWire Vehicle Information - 12/16/2013 5:45:13 AM			
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	3	left front door
Left Front Tweeter	1	1	left front dash
Right Front Speaker	6.5	3	right front door
Right Front Tweeter	1	1	right front dash
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	8	3	rear deck (Legacy), R rear quarter panel (Outback)
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			below or above radio

Additional Wiring Notes

Item	Note
Tachometer	The Engine Control Module is behind the glove box. Can also go to any fuel injector and use the wire that is NOT blue/black (2.5L), red (2.5L turbo), or yellow/blue (3.6L).
Parking Brake	In order to make the ready mode neutral safety feature work properly with the electric parking brake on this vehicle, you need to use the + keysense (black/white) wire and the - parking brake (gray) wire, diode isolated and tied to the black/white neutral safety wire of the remote start. It works because the parking brake goes to sleep after a minute, and when the key is removed, the keysense stays negative. Also, the electric parking brake requires the foot brake to be pushed, so there is no way to accidentally disengage the parking brake with pushing the foot brake, thus disabling ready mode.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are brown - green at the amplifier under passenger seat, white 10 pin plug, pins 10 and 4. The tweeter wires are green/yellow - purple at the amplifier, white 12 pin plug, pins 9 and 3.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are black/red - white/red at the amplifier under passenger seat, white 10 pin plug, pins 3 and 9. The tweeter wires are yellow - lt. green at the amplifier, white 12 pin plug, pins 2 and 1.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are black/blue - white/blue at the amplifier under passenger seat, white 10 pin plug, pins 2 and 6.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are black - yellow at the amplifier under passenger seat, white 10 pin plug, pins 8 and 7.
Data Bus	The security/immobilizer light is brown/red (-) at the Body Integrated Unit R of steering column, white 31 pin plug (D), pin 26.