

## 2006 Subaru Outback



## Wiring Information

Item	Wire Color	Polarity	Wire Location
<b>12 Volts</b>	white (50A)	+	ignition switch, white 6 pin plug, pin 3
<b>Second 12 Volts</b>	N/A		
<b>Starter</b>	white/black	+	ignition switch, white 6 pin plug, pin 2
<b>Second Starter</b>	N/A		
<b>Ignition</b>	green	+	ignition switch, white 6 pin plug, pin 6
<b>Second Ignition</b>	blue	+	ignition switch, white 6 pin plug, pin 1
<b>Third Ignition</b>	N/A		
<b>Accessory</b>	yellow	+	ignition switch, white 6 pin plug, pin 4
<b>Second Accessory</b>	N/A		
<b>Third Accessory</b>	N/A		
<b>Key Sense</b>	black/white	+	ign key sw, white 4 pin plug, pin 4 or BIU, white 28 pin plug, pin 7
<b>Data Bus</b>	yellow/green (keyless entry communication)	data	BIU, gray 35 pin plug, pin 9
<b>Can Bus High</b>	pink (low speed CAN)	data	BIU, gray 35 pin plug, pin 27
<b>Can Bus Low</b>	purple (low speed CAN)	data	BIU, gray 35 pin plug, pin 26
<b>Can Bus Sw</b>	N/A		
<b>Power Lock</b>	brown/white	-	BIU, gray 35 pin plug, pin 15
<b>Power Unlock</b>	brown/black	-	BIU, gray 35 pin plug, pin 29
<b>Lock Motor</b>	lt. green/yellow	5 wire	BIU, gray 35 pin plug, pin 7
<b>Unlock Motor</b>	lt. green	5 wire	BIU, gray 35 pin plug, pin 23
<b>Disarm Defeat</b>	red/green	5 wire	BIU, gray 35 pin plug, pin 8
<b>Parking Lights (+)</b>	orange	+	parking light switch, white 4 pin plug, pin 4
<b>Parking Lights (-)</b>	black/white (functions with ignition on only)	-	lighting switch, white 17 pin plug, pin 14
<b>Hazards</b>	purple/black	-	BIU, white 30 pin plug, pin 12
<b>Turn Signal (Left)</b>	blue/green	+	dash fuse box, white 20 pin plug, pin 20
<b>Turn Signal (Right)</b>	red/green	+	dash fuse box, white 20 pin plug, pin 3

## Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	orange/white (functions with ignition on only)	-	lighting switch, white 17 pin plug, pin 13
AutoLights	N/A		
Reverse Light	brown/yellow	+	passenger kick, white 16 pin plug, pin 12
Left Front Door Trigger	blue/white	-	BIU, gray 35 pin plug, pin 19
Right Front Door Trigger	blue/orange	-	BIU, gray 35 pin plug, pin 32
Left Rear Door Trigger	yellow	-	BIU, gray 35 pin plug, pin 31
Right Rear Door Trigger	white/red	-	BIU, gray 35 pin plug, pin 18
Dome Supervision	brown	-	BIU, white 30 pin plug, pin 3
Trunk/Hatch Pin	lt. green/black	-	BIU, gray 35 pin plug, pin 17
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk Hatch/Release	use trunk release motor		
Trunk Release Motor	white/black	5 wire	BIU, gray 35 pin plug, pin 22
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	arms on lock with driver door open		
Factory Alarm Disarm	yellow/red (driver door key unlock)	-	BIU, gray 35 pin plug, pin 12
Disarm No Unlock	Transponder and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	red/white	ac	instrument cluster, green 22 pin plug, pin 20
Wait to Start	N/A		
Neutral Safety	green/black (M/T)	-	Engine Control Module below glove box, 35 pin plug (C), pin 31
Clutch Pedal	white/blue (input), blue/white (output)	+ N.O.	clutch switch, white 2 pin plug, pins 1 and 2
Fuel Pump	red/black	+	driver kick, white 20 pin plug, pin 20
Rear Defroster	purple/green	- latched	BIU, white 30 pin plug, pin 16
Mirror Defroster	same as rear defroster		
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	green/black	ac	instrument cluster, green 22 pin plug, pin 19
Brake Wire	brown/white to brown/red	+	brake switch or BIU, white 28 pin plug, pin 23
Parking Brake	gray or green/yellow	-	parking brake switch or driver kick, white 20 pin plug, pin 5
Horn Trigger	red/white	-	BIU, white 30 pin plug, pin 11
Wipers	red/blue (L), black/blue (H), yellow/black (ignit)	+	wiper switch, white 18 pin plug, pins 7, 8, and 17
Left Front Window (Up/Down)	blue/red - blue/green	A	power window main switch, white 14 pin plug, pins 2 and 1
Right Front Window (Up/Down)	red - red/yellow	A	driver kick, white 25 pin plug, pins 17 and 18
Left Rear Window (Up/Down)	green/red - yellow/red	A	driver kick, white 25 pin plug, pins 21 and 22
Right Rear Window (Up/Down)	blue - blue/yellow	A	driver kick, white 25 pin plug, pins 19 and 20
Sun Roof (Open/Close)	blue - red (sedan)(function with ignition on only)	5 wire	sunroof switch, white 5 pin plug, pins 1 and 4
Sun Roof (Limit/Close)	green - red (wagon) (function with ignit on only)	-	sunroof switch, white 5 pin plug, pins 4 and 1
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	blue/red	+	radio, white 14 pin plug, pin 6
Radio Ground	black	-	radio, white 14 pin plug, pin 11
Radio Ignition	yellow/red	+	radio, white 14 pin plug, pin 10
Radio Illumination	purple (parking lights), black/white (dimmer)	+,-	radio, white 14 pin plug, pins 1 and 7
Factory Amp Turn-on	N/A		
Power Antenna	yellow/black	+	radio, white 14 pin plug, pin 14
Left Front Speaker (+/-)	brown/white - green	+,-	radio, white 14 pin plug, pins 3 and 9
Right Front Speaker (+/-)	red/yellow - white/black	+,-	radio, white 14 pin plug, pins 2 and 8
Left Rear Speaker (+/-)	white/red - red/black	+,-	radio, white 14 pin plug, pins 5 and 13
Right Rear Speaker (+/-)	blue/yellow - red/white	+,-	radio, white 14 pin plug, pins 4 and 12
Center Channel (+/-)	N/A		
Subwoofer (+/-)	red - white	+,-	radio, white 8 pin plug, pins 4 and 6
Aux. Audio Input Left (+/-)	N/A		
Aux. Audio Input Right (+/-)	N/A		
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts			
Satellite Radio Ground			
Satellite Radio Ignition			
Satellite Radio Antenna			
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

## Additional Wiring Notes

Item	Note
<b>Data Bus</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Can Bus High</b>	The BIU (Body Integrated Unit) is to the right of the steering column. The security light is brown/red (-) at the BIU, gray 35 pin plug, pin 33.
<b>Can Bus Low</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Right Rear Door Trigger</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Trunk Release Motor</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Neutral Safety</b>	On 2.5L turbo models, it is in the 31 pin plug (D), pin 9.
<b>Rear Defroster</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Brake Wire</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Right Front Door Trigger</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Left Rear Door Trigger</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Power Lock</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Power Unlock</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Lock Motor</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Driver Unlock Motor</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Hazards</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Left Front Door Trigger</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Dome Supervision</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Trunk/Hatch Pin</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Factory Alarm Disarm</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Horn Trigger</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Passenger Unlock Motor</b>	The BIU (Body Integrated Unit) is to the right of the steering column.
<b>Key Sense</b>	The BIU (Body Integrated Unit) is to the right of the steering column.