

Subaru Impreza WRX Receiver Wiring Harness

Version 2.4

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2.5 Receiver Wiring

2.5.1 WRX Radio Connector Pin-out

The table below was compiled from all of the Subaru radio wiring diagrams from 1993-2005 (model years 2006 and 2007 continue to use this pin-out, but I have not been able to look up the factory wire colors on those years).

All Subarus from 1993 and up (except for the SVX, and 1993 and 1994 Legacies in North America) have used this same 14-pin connector and the same pin-out. A few of the wire colors in the cars have changed over the years, but the functions of the pins have remained the same. The table below shows the wire colors for just the Impreza / WRX and Outback Sport. (Here's a similar table for the [Forester](#) and one for the [Legacy/Outback](#))

Pin numbers on the connector:

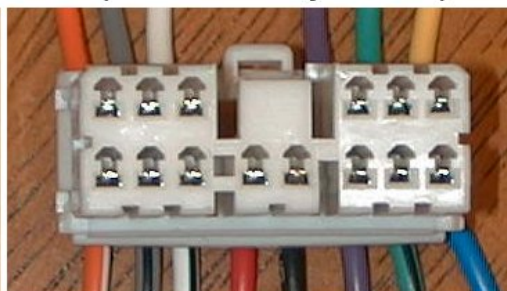
Subaru Radio Connector — 1995 and later

**Wiring Adaptor or "Forward" Harness
(same as on Rear of Factory Radio)**



6	5	4			3	2	1
14	13	12	11	10	9	8	7

**Reverse Harness
(same as Factory Harness)**



1	2	3			4	5	6
7	8	9	10	11	12	13	14


<http://geocities.com/svxdc>

Table 2.5.1
Subaru Impreza WRX Radio Connector
(Speaker / Power Wiring)
Pin Assignments

Pin #	Function	Column "A" WRX Factory Radio Connector Wire Color wires go to WRX's Speakers, etc.			Column "B" Subaru After-Market Harness Wire Color (EIA Standard)
		1993-1997	1998-2001	2002-2005	
1	Illumination+	Green	White / Yellow	Violet	Orange
2	Right Front Speaker +		Red / Yellow		Gray
3	Left Front Speaker +		Brown / White		White
	(gap for connector lock)				
4	Right Rear Speaker +	Blue / Green		Blue / Yellow	Violet
5	Left Rear Speaker +		White / Red		Green
6	+12 Volt Memory	Blue / Orange		Blue / Red	Yellow

7	Dimmer (Illum.-)	Yellow / Blue	Orange / White	Orange / White
8	Right Front Speaker -	White / Black		Gray / Black
9	Left Front Speaker -	Green / Black	Green	White / Black
(small gap)				
10	+12 Volt Accessory	Yellow / Red	Yellow / Green	Red
11	Ground	Black		Black
(small gap)				
12	Right Rear Speaker -	Red	Red / White	Violet / Black
13	Left Rear Speaker -	Red / Green	Red / Black	Green / Black
14	Power Antenna +	1995, 1996: White / Black (to motorized ant.) 2004, 2005: White (to Antenna Amplifier) 2006, 2007: ??? (to Antenna Amplifier) All others: NC		Blue

Notes:

- The pin numbers may be stamped on the sides of the connectors, on the hinged flaps at the rear that lock in the wires. The numbers are very hard to read until you hold the connector at just the right angle in the light.
 
 - When two colors are listed, the first is the main color and the second is the stripe color (main/stripe).
 - "NC" means there is no metal contact at that position in the connector shell (and thus no wire).
 - Column "A" lists the wires on the Radio Connector in the Impreza / WRX and Outback Sport. This is the plug whose wires disappear behind the dash and go to the speakers, etc.
 - Column "B" lists the wires on the WRX Reverse and Forward Harness. These are the EIA standard wire colors, used by after-market receiver and wiring harness manufacturers. Use this column to verify that the harness was assembled correctly.
- When installing a WRX radio in an SVX: Crimp or solder the wires in column B to the same colors on an SVX wiring adaptor.
- In the Impreza / WRX: If restoring a damaged or missing radio connector, crimp or solder a reverse harness' wires in column B to the corresponding wires in column A. If installing a subwoofer or Line Output Converter (LOC), crimp or solder a WRX reverse harness to the same colors on a WRX 'forward' harness (wires in column B for both).
- If you're working with the Impreza / WRX wires (column A), note that there are complimentary pairs (e.g., a White/Red and a Red/White). Don't get these mixed up! The stripe color is thinner than the main color. It helps to work in bright light.
 - There are two pins related to dash illumination -- 1 and 7. For the WRX radio's illumination to work correctly in an SVX, connect pin 1 to the SVX harness' Illumination wire (pin 4), and connect WRX pin 7 to the SVX's Dimmer wire (pin 13).

[Link to custom Impreza/WRX reverse and 'forward' harnesses for sale](#)