

2012 Subaru WRX - North America

**Wiring Information**

Item	Wire Color	Polarity	Wire Location
12 Volts	white (50A)	+	ignition switch, white 6 pin plug, pin 3
Starter	white/black	+	ignition switch, white 6 pin plug, pin 2
Second Starter	white/red	+	ignition switch, white 6 pin plug, pin 6
Ignition	green	+	ignition switch, white 6 pin plug, pin 1
Accessory	blue	+	ignition switch, white 6 pin plug, pin 4
Second Accessory	yellow	+	ignition switch, white 6 pin plug, pin 5
Keysense	black/white	+	BIU right of steering column, white 30 pin plug, pin 2
CAN Bus High	red (high-speed)	data	BIU right of steering column, gray 26 pin plug, pin 3
CAN Bus Low	blue (high-speed)	data	BIU right of steering column, gray 26 pin plug, pin 9
CAN Bus High 2	pink (low-speed)	data	BIU right of steering column, gray 35 pin plug, pin 1
CAN Bus Low 2	lt. green/red (low-speed)	data	BIU right of steering column, gray 35 pin plug, pin 9
IMMO Data	white/blue (1); black/red (2)	data	BIU right of steering column, gray 26 pin plug, pins 4, 15
Security Light	brown/red	-	BIU right of steering column, gray 35 pin plug, pin 10
Door Lock Data	yellow/green (keyless data)	data	BIU right of steering column, gray 35 pin plug, pin 24
Power Lock	lt. green	-	BIU right of steering column, gray 35 pin plug, pin 15
Power Unlock	blue/black	-	BIU right of steering column, gray 35 pin plug, pin 29
Lock Motor	lt. green/yellow	5 wire	BIU right of steering column, gray 35 pin plug, pin 7
Driver Unlock Motor	red/green	5 wire	BIU right of steering column, gray 35 pin plug, pin 23

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Item	Wire Color	Polarity	Wire Location
Passenger Unlock Motor	red/green	5 wire	BIU right of steering column, gray 35 pin plug, pin 8
Factory Alarm Arm	(arms on lock with driver door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(transponder, ignition, and keysense)		
Parking Lights (+)	black/white	+	dash fuse box, white 20 pin plug, pin 12
Parking Lights (-)	black/white	-	BIU right of steering column, gray 26 pin plug, pin 11
Hazards	green	-	BIU right of steering column, white 28 pin plug, pin 22
Turn Signal (Left)	white/red	+	dash fuse box, white 20 pin plug, pin 20
Turn Signal (Right)	gray	+	dash fuse box, white 20 pin plug, pin 3
Headlight	blue/black	-	BIU right of steering column, white 28 pin plug, pin 8
Reverse Light	brown/yellow	+	passenger kick, white 12 pin plug, pin 3
Left Front Door Trigger	blue/orange	-	BIU right of steering column, gray 35 pin plug, pin 19
Right Front Door Trigger	blue/white	-	BIU R of steering column, gray 35 pin plug, pin 32
Left Rear Door Trigger	yellow/white	-	BIU R of steering column, gray 35 pin plug, pin 20
Right Rear Door Trigger	white/red	-	BIU R of steering column, gray 35 pin plug, pin 6
Dome Light	green/yellow	-	BIU right of steering column, white 30 pin plug, pin 5
Trunk/Hatch Pin	yellow/blue	-	BIU right of steering column, gray 35 pin plug, pin 33
Hood Pin	yellow/black	-	hood switch, white 2 pin plug, pin 1
Trunk/Hatch Release	(sedan use motor); grn/red (wagon, rear handle sw)	-	BIU right of steering column, white 28 pin plug, pin 24
Trunk Release Motor	black/blue (sedan and wagon)	5 wire	BIU right of steering column, gray 35 pin plug, pin 22
Tachometer	gray/red	ac	instrument cluster, white 40 pin plug, pin 32

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Item	Wire Color	Polarity	Wire Location
Neutral Safety	green/black (M/T)	-	Engine Control Mod below glove box, wht 35 pin plug (C), pin 35
Clutch Pedal	blue/white	+	clutch switch, white 2 pin plug, pin 2
Fuel Pump	red/black	+	passenger kick, white 12 pin plug, pin 4
Rear Defroster	green/yellow	-	BIU right of steering column, gray 35 pin plug, pin 16
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	lt. green (LO); red/blue (HI)	5 wire	seat heater sw, blu 4 pin plug, pins 1, 4 or wht 12 pin plug, pins 9, 11
Right Front Heated Seat	white (LO); red/white (HI)	5 wire	seat heater sw, wht 4 pin plg, pins 1, 4 or wht 12 pin plug, pins 7, 10
Speed Sense	pink/green	ac	instrument cluster, white 40 pin plug, pin 31
Brake Wire	lt. green	+	BIU right of steering column, gray 26 pin plug, pin 2
Parking Brake	gray	-	BIU right of steering column, white 28 pin plug, pin 15
Horn Trigger	red	-	BIU right of steering column, white 30 pin plug, pin 29
Wipers	red/blue (LO); black/blue (HI); yel/blk (ignition)	+	wiper switch, white 18 pin plug, pins 7, 8, 17
Left Front Window (Up/Down)	blue/red - blue/green	A	power window main switch, white 16 pin plug, pins 16 - 13
Right Front Window (Up/Down)	red - red/yellow	A	driver kick, white 28 pin plug, pins 5 - 6
Left Rear Window (Up/Down)	green/red - black/yellow	A	driver kick, white 28 pin plug, pins 9 - 10
Right Rear Window (Up/Down)	blue - blue/yellow	A	driver kick, white 28 pin plug, pins 7 - 8
Sun Roof (Open/Close)	blue - red (function with ignition on only)	+	sunroof switch, white 5 pin plug, pins 1 - 4
Radio 12V	blue/red	+	radio, white 20 pin plug, pin 20
Radio Ground	black/blue	-	radio, white 20 pin plug, pin 10
Radio Ignition	yellow/red	+	radio, white 20 pin plug, pin 3

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Radio Illumination	purple (parking lights); black/white (dimmer)	+,-	radio, white 20 pin plug, pins 1, 2
Power Antenna	yellow/black	+	radio, white 20 pin plug, pin 9
Left Front Speaker (+/-)	white/black - blue/orange	+,-	radio, white 20 pin plug, pins 7 - 8
Right Front Speaker (+/-)	green - brown/yellow	+,-	radio, white 20 pin plug, pins 17 - 18
Left Rear Speaker (+/-)	red/black - white/red	+,-	radio, white 20 pin plug, pins 5 - 6
Right Rear Speaker (+/-)	red/white - gray/green	+,-	radio, white 20 pin plug, pins 15 - 16
Aux. Audio Input Left (+/-)	yellow - (shield)	+,-	radio, bk 8P plg, pins 1-5 or wh 16P plg, pins3-11
Aux. Audio Input Right (+/-)	blue - (shield)	+,-	radio, bk 8P plg, pins 2-5 or wh 16P plg, pins4-11

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***What Fits***

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5	2	left front door
Left Front Tweeter	1	1	left front door
Right Front Speaker	6.5	2	right front door
Right Front Tweeter	1	1	right front door
Left Rear Speaker	6.5	2	left rear door
Right Rear Speaker	6.5	2	right rear door
Satellite Radio Tuner			center of dash, above radio

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Additional Wiring Notes

Item	Note
Tachometer	Can also use white, black/yellow, black/red, or black/blue (WRX); green/white, blue/white, white, or brown/red (WRX STI) at passenger rear of engine, black 54 pin plug, pin 54, 53, 52, or 51.