

DirectWire

2004 Subaru Forester - North America

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	black/white to white (50A)	+	ignition switch, blue 4 pin plug, pin 1
Ground	(chassis ground)		
Starter	black/yellow to white/blue	+	ignition switch, blue 4 pin plug, pin 3
Ignition	black to green	+	ignition switch, blue 4 pin plug, pin 4
Accessory	black/blue to yellow	+	ignition switch, blue 4 pin plug, pin 2
Keysense	white/red	+	key switch, black 2 pin plug, pin 1 or BIU left of steering column, gray 20 pin plug, pin 20
Power Lock	red/white	-	BIU left of steering column, gray 20 pin plug, pin 12
Power Unlock	yellow/red (all doors); orange/black (driver door)	-	BIU left of steering column, gray 20 pin plug, pins 11 and 14
Lock Motor	lt. green/black	5 wire	BIU left of steering column, blue 16 pin plug, pin 6
Driver Unlock Motor	red	5 wire	BIU left of steering column, blue 16 pin plug, pin 8
Passenger Unlock Motor	red/green	5 wire	BIU left of steering column, blue 16 pin plug, pin 7
Factory Alarm Arm	factory remote only		
Factory Alarm Disarm	factory remote only		
Disarm No Unlock	green/black (factory alarm ignition sense)	interrupt	Security Control Unit behind glove box, white 18 pin plug, pin 2
Parking Lights	orange	+	parking light switch, white 4 pin plug, pin 4
Parking Lights -	black/pink (functions with ignition on only)	-	lighting switch, white 17 pin plug, pin 14
Hazards	same as turn signals		
Turn Signal (Left)	black/green	+	turn signal switch, white 17 pin plug, pin 1
Turn Signal (Right)	lt. green/black	+	turn signal switch, white 17 pin plug, pin 3
Headlight	green/red (functions with ignition on only)	-	lighting switch, white 17 pin plug, pin 13
Reverse Light	brown/yellow	+	passenger kick, harness to rear
Left Front Door Trigger	blue/orange	-	BIU left of steering column, gray 20 pin plug, pin 8
Right Front Door Trigger	yellow	-	BIU left of steering column, gray 20 pin plug, pin 7
Left Rear Door Trigger	same as right front door trigger		
Right Rear Door Trigger	same as right front door trigger		
Dome Light	blue	-	BIU left of steering column, blue 16 pin plug, pin 5
Trunk/Hatch Pin	same as right front door trigger		
Trunk/Hatch Release	locks/unlocks along with doors		
Tachometer	green	ac	above fuse box, white 24 pin plug, pin 17
Neutral Safety	green/black (M/T)	-	ECM below glove box, gray 26 pin plug, pin 21 (non-turbo); white 31 pin plug, pin 9 (turbo)
Clutch Pedal	green/yellow	-	clutch switch, white 2 pin plug, pin 2
Fuel Pump	black/yellow	+	passenger kick, harness to rear
Rear Defroster	blue	- latched	BIU left of steering column, blue 16 pin plug, pin 10
Mirror Defroster	yellow/green	- latched	wiper deicer switch, black 8 pin plug, pin 6
Left Front Heated Seat	lt. green	5 wire	left seat heater switch, blue 4 pin plug, pin 4
Right Front Heated Seat	black/white	5 wire	right seat heater switch, white 4 pin plug, pin 4
Speed Sense	green/yellow	ac	above fuse box, white 24 pin plug, pin 18
Brake Wire	white/black	+	brake switch or BIU left of steering column, gray 20 pin plug, pin 9
Parking Brake	lt. green	-	above fuse box, white 32 pin plug, pin 31
Horn Trigger	red/green	-	horn switch, black 5 pin plug, pin 1
Wipers	black/blue (L), red/blue (H), yellow/black (ignit)	+	wiper switch, white 18 pin plug, pins 7, 8, and 17
Left Front Window (Up/Down)	blue/red - blue	A	power window main switch, white 16 pin plug, pins 2 and 1
Right Front Window (Up/Down)	black/blue - blue/yellow	A	driver kick, white 25 pin plug, pins 23 and 8
Left Rear Window (Up/Down)	green/black to green/red - green/yellow	A	driver kick, white 25 pin plug, pins 13 and 12

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Right Rear Window (Up/Down)	green/white - blue/white	A	driver kick, white 25 pin plug, pins 11 and 10
Sun Roof (Open/Close)	black/yel - white (function with ignition on only)	-	sunroof switch, black 5 pin plug, pins 4 and 1
Radio 12V	blue/red	+	radio, white 14 pin plug, pin 6
Radio Ground	black/red	-	radio, white 14 pin plug, pin 11
Radio Ignition	yellow/green	+	radio, white 14 pin plug, pin 10
Radio Illumination	violet (parking lights), orange/white (dimmer)	+,-	radio, white 14 pin plug, pins 1 and 7
Power Antenna	blue/white	+	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
Subwoofer (+/-)	black/yellow - white/blue	+,-	radio, black 8 pin plug, pins 4 and 8

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What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5	2.6	left front door
Left Front Tweeter			left front door
Right Front Speaker	6.5	2.6	right front door
Right Front Tweeter			right front door
Left Rear Speaker	4	4	left rear door
Right Rear Speaker	4	4	right rear door
Subwoofer	8	4	left rear quarter panel

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Additional Wiring Notes

Item	Note
Disarm No Unlock	Interrupt the factory alarm ignition sense wire to keep the factory alarm from triggering during remote start. The factory starter interrupt is red/black (-) at the Security Control Unit, white 18 pin plug, pin 15.