2003 Subaru Impreza

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	black/white to white (50A)	+	ignition switch, blue 4 pin plug, pin 1
Second 12 Volts	N/A		
Starter	black/yellow to white/black	+	ignition switch, blue 4 pin plug, pin 3
Second Starter	N/A		
Ignition	black to green	+	ignition switch, blue 4 pin plug, pin 4
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	black/blue to yellow	+	ignition switch, blue 4 pin plug, pin 2
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	white/red	+	BIU left of steering column, gray 20 pin plug, pin 20
Data Bus	N/A		
Can Bus High	N/A		
Can Bus Low	N/A		
Can Bus Sw	N/A		
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, 14
Lock Motor	orange	5 wire	BIU left of steering column, blue 16 pin plug, pin 6
Unlock Motor	red	5 wire	BIU left of steering column, blue 16 pin plug, pin 8
Disarm Defeat	red/green	5 wire	BIU left of steering column, blue 16 pin plug, pin 7
Parking Lights (+)	orange	+	parking light switch, white 4 pin plug, pin 4
Parking Lights (-)	black/white (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

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	green/red (functions with ignition on only)	-	lighting switch, white 17 pin plug, pin 13
AutoLights	N/A		
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 L 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 Supervision	blue	-	BIU left of steering column, blue 16 pin plug, pin 5
Trunk/Hatch Pin	yellow/red (sedan); (same as RF door trigger, wgn)	-	Keyless Entry Module above dash fuse box, white 16 pin plug, pin 6
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk Hatch/Release	(locks/unlocks along with doors, wagon)		
Trunk Release Motor	N/A		
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Disarm No Unlock	green/black (factory alarm ignition sense)	interrupt	Security Control Module behind glove box, white 18 pin plg, pin 2
Trunk Alarm Shunt	N/A		
Tachometer	green	ac	instrument cluster, green 10 pin plug, pin 5
Wait to Start	N/A		
Neutral Safety	green/black (M/T)	-	ECM below glove box, 26 pin plug (C), pin 21 or 22 pin plg (A), pin 8
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	(same as rear defroster)		
Left Front Heated Seat	green/black	5 wire	left seat heater switch, blue 4 pin plug, pin 4
Right Front Heated Seat	yellow/white	5 wire	right seat heater switch, white 4 pin plug, pin 4

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	green/yellow	ac	instrument cluster, green 10 pin plug, pin 2
Brake Wire	white/black	+	brake switch or BIU left of steering column, gray 20 pin plug, pin 9
Parking Brake	lt. green	-	parking brake switch or instrument cluster, green 30 pin plug, pin 19
Horn Trigger	green/red to red/green	-	horn switch, black 5 pin plug, pin 1
Wipers	black/blue (LO); red/blue (HI); yellow/black (ign)	+	wiper switch, white 18 pin plug, pins 7, 8, 17
Left Front Window (Up/Down)	blue/red - blue	A	power window main switch, white 16 pin plug, pins 2 - 1
Right Front Window (Up/Down)	black/blue - red/blue	A	driver kick, white 25 pin plug, pins 8 - 9
Left Rear Window (Up/Down)	blue/yellow - green/yellow	A	driver kick, white 25 pin plug, pins 2 - 5
Right Rear Window (Up/Down)	green/white - blue/white	A	driver kick, white 25 pin plug, pins 6 - 7
Sun Roof (Open/Close)	N/A		
Sun Roof (Limit/Close)	N/A		
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/green	+	radio, white 14 pin plug, pin 10
Radio Illumination	purple (parking lights); orange/white (dimmer)	+,-	radio, white 14 pin plug, pins 1, 7
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	brown/white - green	+,-	radio, white 14 pin plug, pins 3 - 9
Right Front Speaker (+/-)	red/yellow - white/black	+,-	radio, white 14 pin plug, pins 2 - 8
Left Rear Speaker (+/-)	white/red - red/black	+,-	radio, white 14 pin plug, pins 5 - 13
Right Rear Speaker (+/-)	blue/yellow - red/white	+,-	radio, white 14 pin plug, pins 4 - 12
Center Channel (+/-)	N/A		
Subwoofer (+/-)	N/A		
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
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 Module, white 18 pin plug, pin 15.
Horn Trigger	Can also use red/green (-) at the Keyless Entry Module above the dash fuse box, white 16 pin plug, pin 12.