



<http://www.directechs.com>

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red (50A)	+	Blower Motor Relay behind glove box, white 5 pin plug, pin 5
Second 12 Volts	black/red (140A)	+	dash fuse box, white 1 pin plug (3E), pin 1
Ground	(chassis ground)		
Starter	Pink	+	Certification ECU behind glove box, white 18 pin plug, pin 7
Ignition	White	+	Certification ECU behind glove box, white 30 pin plug, pin 6
Second Ignition	Violet	+	Certification ECU behind glove box, white 18 pin plug, pin 9
Accessory	Lt. Blue	+	Certification ECU behind glove box, white 30 pin plug, pin 4
PTS 1	Tan	-	Certification ECU behind glove box, white 30 pin plug, pin 30
PTS 2	Pink	-	Certification ECU behind glove box, white 30 pin plug, pin 28
SLP	Lt. Green	-	Certification ECU behind glove box, white 30 pin plug, pin 26
CAN Bus High	Green	Data	Certification ECU behind glove box, white 30 pin plug, pin 14
CAN Bus Low	Red	Data	Certification ECU behind glove box, white 30 pin plug, pin 15
CAN Bus High 2	Black/Yellow	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low 2	Lt. Green	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 3	Pink	Data	Body ECU on dash fuse box, white 30 pin plug, pin 14
CAN Bus Low 3	Lt. Green	Data	Body ECU on dash fuse box, white 30 pin plug, pin 13
OBD 12 Volts	White/Black (7.5A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16

2013 Subaru BRZ(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
OBD Ground	Black/Yellow	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Blue/Yellow	+	OBD-Data Link Connector, black 16 pin plug, pin 8
OBD Connector	Black		Under Driver Dash, Right of Steering Column
RX DATA	red	data	engine start stop switch, white 10 pin plug, pin 8
TX DATA	white	data	engine start stop switch, white 10 pin plug, pin 7
IMMO Data	Yellow	Data	ECM behind glove box, white 35 pin plug, pin 25
RDA	green	data	driver kick, white 48 pin plug, pin 45
Power Lock	blue		driver kick, white 22 pin plug, pin 16
Power Unlock	pink		driver kick, white 22 pin plug, pin 15
Lock Motor	red	5 wire	driver kick, white 10 pin plug, pin 2
Driver Unlock Motor	lt. green	5 wire	driver kick, white 10 pin plug, pin 3
Passenger Unlock Motor	lt. green	5 wire	passenger kick, white 10 pin plug, pin 3
Parking Lights	red	+	driver kick, white 48 pin plug, pin 7
Parking Lights -	tan	-	Body ECU on dash fuse box, white 30 pin plug, pin 25
Hazards	white	-	turn signal flasher next to steering column, white 8 pin plug, pin 8
Turn Signal (Left)	yellow/green	+	driver kick, white 48 pin plug, pin 23
Turn Signal (Right)	white	+	driver kick, white 48 pin plug, pin 22
Headlight	white	-	Body ECU on dash fuse box, white 30 pin plug, pin 2
AutoLights	lt. blue	cut	Body ECU on dash fuse box, white 30 pin plug, pin 23
Reverse Light	pink	+	driver kick, white 48 pin plug, pin 5
Left Front Door Trigger	Yellow/Black	-	Driver Kick, white 48 pin plug, pin 18

2013 Subaru BRZ(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Right Front Door Trigger	lt. green	-	passenger kick, white 14 pin plug, pin 3
Dome Light	blue	-	Body ECU on dash fuse box, white 30 pin plug, pin 7
Trunk/Hatch Pin	white/black	-	driver kick, white 48 pin plug, pin 19
Trunk/Hatch Release	blue	-	Body ECU on dash fuse box, white 18 pin plug, pin 16
Trunk Release Motor	brown	5 wire	driver kick, white 48 pin plug, pin 4
Tachometer	gray/red	ac	above passenger kick, white 48 pin plug, pin 37
Neutral Safety	green/black (M/T)	-	ECM behind glove box, white 31 pin plug, pin 16
Clutch Pedal	Yellow	+	Certification ECU behind glove box, white 18 pin plug, pin 10
Clutch Pedal 2	Yellow/Pink (alternate location)	+	Clutch Switch, white 2 pin plug, pin 2
Fuel Pump	red	+	passenger kick, white 10 pin plug, pin 8
Rear Defroster	white	- latched	Body ECU on dash fuse box, white 28 pin plug, pin 24
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	red	5 wire	driver kick, white 48 pin plug, pin 1
Right Front Heated Seat	lt. green	5 wire	passenger kick, white 10 pin plug, pin 6
Speed Sense	pink/green	ac	radio, white 28 pin plug, pin 17
Brake Wire	lt. green	+	driver kick, white 48 pin plug, pin 6
Brake Wire 2	blue (alternate location on A/T)	+	Certification ECU behind glove box, white 18 pin plug, pin 18
Parking Brake	gray	-	dash fuse box, white 36 pin plug (3D), pin 29
Horn Trigger	blue	-	dash fuse box, white 36 pin plug (3D), pin 32
Wipers	black/blue (LO); red/blue (HI); yellow/red (ignit)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	(motor is part of module)		
Right Front Window (Up/Down)	(motor is part of module)		

2013 Subaru BRZ(SmartKey) - Requested by: ampire.de



<http://www.directechs.com>

Item	Wire Color	Polarity	Wire Location
Radio 12V	orange	+	radio, white 10 pin plug, pin 4
Radio Ground	black/blue	-	radio, white 10 pin plug, pin 7
Radio Ignition	red	+	radio, white 10 pin plug, pin 3
Radio Illumination	violet (parking lights); black/white (dimmer)	+,-	radio, white 10 pin plug, pin 10; white 6 pin plug, pin 5
Factory Amp Turn-on	brown (front door woofer amp)	+	radio, white 10 pin plug, pin 9
Power Antenna	pink	+	radio, white 10 pin plug, pin 8
Left Front Speaker (+/-)	black - yellow	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	white/blue - black/blue	+,-	radio, white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	violet - pink	+,-	radio, white 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	yellow - black	+,-	radio, white 6 pin plug, pins 1 - 3
Subwoofer (+/-)	(front door woofer amp uses LF-RF spkrs for input)		
Aux. Audio Input Left (+/-)	blue/yellow - blue/orange	+,-	radio, white 28 pin plug, pins 28 - 27
Aux. Audio Input Right (+/-)	white/blue - blue/orange	+,-	radio, white 28 pin plug, pins 26 - 27
Satellite Radio 12 Volts	(built into radio)		



<http://www.directechs.com>

What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.3		left front door
Left Front Tweeter	1.0 (tweeter); 3.5 (midrange)		left front dash
Right Front Speaker	6.3		right front door
Right Front Tweeter	1.0 (tweeter); 3.5 (midrange)		right front dash
Left Rear Speaker	3.5		left rear side panel
Right Rear Speaker	3.5		right rear side panel
Satellite Radio Tuner	(built into radio)		



<http://www.directechs.com>

Additional Wiring Notes

Item	Note
Second Ignition	Can also use white (+) at the dash fuse box, rear, white 56 pin plug (3A), pin 15.
Accessory	Can also use lt. blue (+) at the dash fuse box, rear, white 56 pin plug (3A), pin 20.
Ignition	Can also use pink (+) at the dash fuse box, white 40 pin plug (3C), pin 4.
PTS 1	Can also use tan (-) at the engine start stop switch, white 10 pin plug, pin 1.
PTS 2	Can also use pink (-) at the engine start stop switch, white 10 pin plug, pin 5.
SLP	Can also use lt. green (-) at the steering lock actuator on steering column, black 7 pin plug, pin 4.
Starter	Can also use green/white (+) above passenger kick, white 48 pin plug, pin 16.