2012 Smart fortwo

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (50A)	+	dash fuse box, rear, black 3 pin plug, pin 3
Second 12 Volts	red/green (40A)	+	dash fuse box, rear, black 3 pin plug, pin 2
Starter	purple	+	dash fuse box, rear, white 2 pin plug, pin 1
Second Starter	N/A		
Ignition	red/black	+	dash fuse box, rear, black 2 pin plug, pin 1
Second Ignition	red/blue	+	dash fuse box, rear, black 2 pin plug, pin 2
Third Ignition	N/A		
Accessory	N/A		
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	purple/white (data), gray/white (clock)	data	dash fuse box, rear, white 40 pin plug, pins 20, 3
Can Bus High	green/white	data	data link connector, 16 pin plug, pin 6
Can Bus Low	green	data	data link connector, 16 pin plug, pin 14
Can Bus Sw	N/A		
Power Lock	pink (relay isolate from switch)	-	power lock switch or dash fuse box, rear, white 40 pin plug, pin 12
Power Unlock	black/blue	-	power lock switch or dash fuse box, rear, white 40 pin plug, pin 16
Lock Motor	gray/yellow	5 wire	dash fuse box, rear, brown 8 pin plug, pin 4
Unlock Motor	pink	5 wire	dash fuse box, rear, brown 8 pin plug, pin 5
Disarm Defeat	brown/white or pink	5 wire	dash fuse box, rear, brown 12 pin plug, pin 12
Parking Lights (+)	gray/blue	+	headlight switch or dash fuse box, rear, black 40 pin plug, pin 10
Parking Lights (-)	N/A		
Hazards	purple/blue	-	hazards switch or dash fuse box, rear, black 40 pin plug, pin 31
Turn Signal (Left)	black/white	+	dash fuse box, rear, white 40 pin plug, pin 1
Turn Signal (Right)	black/green	+	dash fuse box, rear, white 40 pin plug, pin 11

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Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	gray/yellow (L), gray/purple (R)	+	dash fuse box, rear, brown 12 pin plug, pins 6, 7
AutoLights	yellow/red (interrupt to turn off autolights)	+	hdlght sw or dash FB, rear, wht 40 pin plg, pin 34
Reverse Light	yellow/red	+	left rear taillight, black 6 pin plug, pin 4
Left Front Door Trigger	yellow/white or yellow	-	dash fuse box, rear, black 40 pin plug, pin 4
Right Front Door Trigger	yellow/black	-	dash fuse box, rear, black 40 pin plug, pin 19
Left Rear Door Trigger	N/A		
Right Rear Door Trigger	N/A		
Dome Supervision	brown/blue	-	dash fuse box, rear, white 40 pin plug, pin 4
Trunk/Hatch Pin	blue/black	-	dash fuse box, rear, black 40 pin plug, pin 2
Rear Glass Pin	(same as trunk/hatch pin)		
Hood Pin	N/A		
Trunk Hatch/Release	pink/yellow or yellow/pink (rear handle switch)	-	dash fuse box, rear, black 40 pin plug, pin 36
Trunk Release Motor	blue/red (coupe); yellow (convertible)	5 wire	dash fuse box, rear, white 40 pin plug, pin 2; brown 8 pin plg, pin 8
Fuel Door Release	(locks/unlocks along with driver door)		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	(arms on lock with door open)		
Factory Alarm Disarm	(see disarm no unlock)		
Disarm No Unlock	(transponder and ignition)		
Trunk Alarm Shunt	N/A		
Tachometer	yellow/blue, purple, or pink	ac	any fuel injector, gray 2 pin plug, pin 1
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	red/blue	+	dash fuse box, rear, white 2 pin plug, pin 2
Rear Defroster	black/blue	+ latched	dash fuse box, rear, black 8 pin plug, pin 4
Mirror Defroster	(turns on automatically at low temperatures)		
Left Front Heated Seat	yellow/red		seat heater switch, pin 4
Right Front Heated Seat	white/red		seat heater switch, pin 6

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Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	(wheel speed sensor)		
Brake Wire	black/red	+	driver kick, harness to rear
Parking Brake	brown/black	-	parking brake switch, 2 pin plug, pin 1
Horn Trigger	blue	+	dash fuse box, rear, brown 8 pin plug, pin 6
Wipers	green/red (L), yellow (H), black/gray (ignition)	+	wiper switch, pins 1, 5, 11
Left Front Window (Up/Down)	white - yellow	A	Power Window Module under driver dash, 6 pin plug, pins 5 - 6
Right Front Window (Up/Down)	yellow/black - white/black	A	Power Window Module under driver dash, 6 pin plug, pins 2 - 3
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	pink/blue (open) (soft top)	+	soft top switch or dash fuse box, rear, black 40 pin plug, pin 35
Sun Roof (Limit/Close)	(close) (same as soft top open)	-	
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/blue	+	radio, 8 pin plug, pin 4
Radio Ground	brown	-	radio, 8 pin plug, pin 8
Radio Ignition	black/gray	+	radio, 8 pin plug, pin 3 or 7
Radio Illumination	gray/blue (dimmer)	+	radio, 8 pin plug, pin 6
Factory Amp Turn-on	black (subwoofer amp)	+	radio, 8 pin plug, pin 5
Power Antenna	N/A		
Left Front Speaker (+/-)	green - brown/green or purple - brown/purple	+,-	radio, 8 pin plug, pins 5 - 6
Right Front Speaker (+/-)	orange - brown/orange or pink - brown/pink	+,-	radio, 8 pin plug, pins 3 - 4
Left Rear Speaker (+/-)	yel - brn/yel (LF twtr, stnd) (LR spkr/twtr, prm)	+,-	radio, 8 pin plug, pins 7 - 8
Right Rear Speaker (+/-)	blu - brn/blu (RF twtr, stnd) (RR spkr/twtr, prm)	+,-	radio, 8 pin plug, pins 1 - 2
Center Channel (+/-)	N/A		
Subwoofer (+/-)	(uses left and right speakers for preamp)		
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
Satellite Radio 12 Volts	N/A		
Satellite Radio Ground	N/A		

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Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

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What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5		left front door
Left Front Tweeter			
Right Front Speaker	6.5		right front door
Right Front Tweeter			
Left Rear Speaker			left rear panel
Left Rear Tweeter			left rear panel
Right Rear Speaker			right rear panel
Right Rear Tweeter			right rear panel
Center Channel	N/A		
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest	N/A		
Right Rear Headrest	N/A		
Satellite Radio Tuner	N/A		

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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are green - brown/green at the amplifier, 32 pin plug, pins 10 - 22.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are gray/black - gray/white at the amplifier, 32 pin plug, pins 19 - 7.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are white - brown/white at the amplifier, 32 pin plug, pins 21 - 9.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are black - brown/black at the amplifier, 32 pin plug, pins 8 - 20.
Subwoofer (+/-)	On models with amplifier, the speaker wires are red/yellow - yellow/white (1); red - brown/red (2) at the amplifier, 32 pin plug, pins 3 - 15; 6 - 18.

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