

2012 Fiat 500



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/dk. green (20A)	+	ignition switch, 3 pin plug, pin 2
Second 12 Volts	red/black (60A)	+	dash fuse box, black 1 pin plug, pin 1
Starter	brown	+	ignition switch, 3 pin plug, pin 3
Second Starter	N/A		
Ignition	orange	+	ignition switch, 3 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	dk. blue	+	ignition switch, 2 pin plug, pin 2
Second Accessory	gray	+	ignition switch, 2 pin plug, pin 1
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	N/A		
Can Bus High	dk. blue (CAN B BUS); dk. green (CAN C BUS)	data	data link connector, 16 pin plug, pins 1 and 6
Can Bus Low	white (CAN B BUS); brown (CAN C BUS)	data	data link connector, 16 pin plug, pins 9 and 14
Can Bus Sw	N/A		
Power Lock	pur/red (need to relay isolate, see Tech Doc 1701)	- 470 ohms	dash fuse box, black/blue 60 pin plug, pin 51
Power Unlock	same as power lock	-	
Lock Motor	white/black	5 wire	dash fuse box, 32 pin plug, pin 16
Unlock Motor	orange/lt. green	5 wire	dash fuse box, 32 pin plug, pin 31
Disarm Defeat	orange/white	5 wire	dash fuse box, 32 pin plug, pin 32
Parking Lights (+)	yellow/red (LF); yellow/black (RF)	+	dash fuse box, black/blue 60 pin plug, pins 29 and 15
Parking Lights (-)	yellow/black	-	dash fuse box, rear, 60 pin plug, pin 51
Hazards	dk. green/red	-	dash fuse box, rear, 60 pin plug, pin 7
Turn Signal (Left)	dk. blue/white (F); dk. blue/white (R)	+	dash fuse box, blk/blu 60 pin plg, pin 10; pur/blu 60 pin plg, pin 1
Turn Signal (Right)	dk. blue/black (F); dk. blue/black (R)	+	dash fuse box, blk/blu 60 pin plg, pin 8; pur/blu 60 pin plg, pin 3

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	dk. green/black (L); dk. green/white (H)	-	dash fuse box, rear, 60 pin plug, pins 38 and 36
AutoLights	N/A		
Reverse Light	gray/dk. green	+	dash fuse box, purple/blue 60 pin plug, pin 44
Left Front Door Trigger	white/purple	-	dash fuse box, black/blue 60 pin plug, pin 54
Right Front Door Trigger	white/red	-	dash fuse box, black/blue 60 pin plug, pin 53
Left Rear Door Trigger	N/A		
Right Rear Door Trigger	N/A		
Dome Supervision	gray/dk. blue	-	dash fuse box, purple/blue 60 pin plug, pin 9
Trunk/Hatch Pin	white/gray	-	dash fuse box, purple/blue 60 pin plug, pin 39
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk Hatch/Release	white/orange (rear handle switch)	-	dash fuse box, purple/blue 60 pin plug, pin 35
Trunk Release Motor	purple	5 wire	dash fuse box, 32 pin plug, pin 30
Fuel Door Release	locks/unlocks along with driver door		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	N/A		
Factory Alarm Disarm	N/A		
Disarm No Unlock	N/A		
Trunk Alarm Shunt	N/A		
Tachometer	dk. blue/black, white/gry, brown/blk, or black/red	ac	any fuel injector, 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	purple/red and brown/black	+ and open	clutch switch, 3 pin plug, pins 2 and 3
Fuel Pump	dk. green/orange	+	driver kick, harness to rear
Rear Defroster	white/dk. green	-	dash fuse box, rear, 60 pin plug, pin 29
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	brown/white	- resistor	dash fuse box, rear, 60 pin plug, pin 3
Right Front Heated Seat	same as left front heated seat	- resistor	

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	gray/yellow (with sunroof only)	ac	dash fuse box, purple/blue 60 pin plug, pin 57
Brake Wire	dk. green/white (functions with ignition on only)	+	dash fuse box, black/blue 60 pin plug, pin 27
Parking Brake	white/yellow	-	dash fuse box, purple/blue 60 pin plug, pin 19
Horn Trigger	dk. green/white	-	dash fuse box, black/blue 60 pin plug, pin 1
Wipers	dk. green/brown (L); brown/dk. blue (H)	-	dash fuse box, rear, 60 pin plug, pins 54 and 56
Left Front Window (Up/Down)	brown - brown/gray	A	dash fuse box, 32 pin plug, pins 19 and 1
Right Front Window (Up/Down)	purple/yellow - purple/dk. green	A	dash fuse box, 32 pin plug, pins 18 and 17
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	yel/dk. blue - yel/red (function with ign on only)	-	sunroof or power top switch, 4 pin plug, pins 3 and 2
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	red/dk. green	+	radio, 8 pin plug, pin 4
Radio Ground	black	-	radio, 8 pin plug, pin 8
Radio Ignition	(CAN B BUS)		
Radio Illumination	(CAN B BUS)		
Factory Amp Turn-on	red/yellow	+	radio, 20 pin plug, pin 6
Power Antenna	N/A		
Left Front Speaker (+/-)	yel - yel/blk (spk); wht/dk blu - wht/dk grn (tw)	+,-	amplifier, 16 pin plug, pins 1 and 9; 5 and 4
Right Front Speaker (+/-)	pur/org - pur/blk (spk); brn/red - brn/yel (tw)	+,-	amplifier, 16 pin plug, pins 2 and 3; 7 and 6
Left Rear Speaker (+/-)	orange - orange/black	+,-	amplifier, 8 pin plug, pins 1 and 5
Right Rear Speaker (+/-)	dk. green - dk. green/black	+,-	amplifier, 16 pin plug, pins 8 and 16
Center Channel (+/-)	N/A		
Subwoofer (+/-)	white/red - white/black	+,-	amplifier, 8 pin plug, pins 6 and 2
Aux. Audio Input Left (+/-)	gray - (shield)	+,-	radio, 20 pin plug, pins 1 and 3
Aux. Audio Input Right (+/-)	dk. green - (shield)	+,-	radio, 20 pin plug, pins 2 and 3
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	gray - (shield) (USB audio)	+,-	radio, 20 pin plug, pins 19 and 18
RSE Audio Right (+/-)	red - (shield) (USB audio)	+,-	radio, 20 pin plug, pins 20 and 18
Satellite Radio 12 Volts	red/dk. green	+	Satellite Radio, 18 pin plug, pin 1

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DirectWire Vehicle Information - 3/15/2013 5:31:22 AM	black	-	Satellite Radio, 18 pin plug, pin 18
Satellite Radio Ground			
Satellite Radio Ignition	dk. blue/dk. green	+	Satellite Radio, 18 pin plug, pin 2
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)			
Satellite Audio Right (+/-)			

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What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6		left front door
Left Front Tweeter	1.5		left front pillar
Right Front Speaker	6		right front door
Right Front Tweeter	1.5		right front pillar
Left Rear Speaker	6		left rear side panel
Left Rear Tweeter	N/A		
Right Rear Speaker	6		right rear side panel
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	6		under front passenger seat
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Parking Lights (+)	The LR - RR wires are yellow/red - yellow/black at the dash fuse box, purple/blue 60 pin plug, pins 6 and 5.
Left Front Speaker (+/-)	The amplifier is in the right rear quarter panel.
Right Front Speaker (+/-)	The amplifier is in the right rear quarter panel.
Left Rear Speaker (+/-)	The amplifier is in the right rear quarter panel.
Right Rear Speaker (+/-)	The amplifier is in the right rear quarter panel.
Subwoofer (+/-)	The amplifier is in the right rear quarter panel.