2016 Fiat 500C - Requested by: ampire.de

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Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red/dk. green (20A)	+	ignition switch, white 3 pin plug, pin 2
Second 12 Volts	red/black (60A)	+	BCM/dash fuse box, black 1 pin plug, pin 1
Ground	(chassis ground)		
Starter	brown	+	ignition switch, white 3 pin plug, pin 3
Ignition	dk. blue	+	ignition switch, white 4 pin plug, pin 2
Second Ignition	orange	+	ignition switch, white 3 pin plug, pin 1
Accessory	gray	+	ignition switch, white 4 pin plug, pin 1
Key Release	brown/orange	cut	key lock solenoid, white 2 pin plug, pin 2
CAN Bus High	dk. green (CAN C BUS)	data	data link connector, black 16 pin plug, pin 6
CAN Bus Low	brown (CAN C BUS)	data	data link connector, black 16 pin plug, pin 14
CAN Bus High 2	dk. blue (CAN B BUS)	data	data link connector, black 16 pin plug, pin 1
CAN Bus Low 2	white (CAN B BUS)	data	data link connector, black 16 pin plug, pin 9
Power Lock	violet/red (need to relay isolate, see Tech Doc 1701)	- 470 ohms	driver kick or BCM/dash fuse box, black/blue 60 pin plug, pin 51
Power Unlock	(same as power lock)	-	
Lock Motor	white/black	5 wire	driver kick or BCM/dash fuse box, black 32 pin plug, pin 16
Driver Unlock Motor	orange/green	5 wire	driver kick or BCM/dash fuse box, black 32 pin plug, pin 31
Passenger Unlock Motor	orange/white	5 wire	BCM/dash fuse box, black 32 pin plug, pin 32
Factory Alarm Arm	(factory remote only)		
Factory Alarm Disarm	(factory remote only)		
Parking Lights	yellow/red (LF); yellow/black (RF); yellow/red (LR); yellow/black (RR)	+	BCM/dash fuse box, black/blue 60 pin plug, pins 29, 15; purple/blue 60 pin plug, pins 6, 5
Parking Lights -	yellow/black	-	headlight switch, gray 9 pin plug, pin 7
Hazards	dk. green/red	-	hazard switch, black 8 pin plug, pin 1

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Item	Wire Color	Polarity	Wire Location
Turn Signal (Left)	dk. blue/white (F); dk. blue/white (R)	+	BCM/dash fuse box, black/blue 60 pin plug, pin 10; purple/blue 60 pin plug, pin 1
Turn Signal (Right)	dk. blue/black (F); dk. blue/black (R)	+	BCM/dash fuse box, black/blue 60 pin plug, pin 8; purple/blue 60 pin plug, pin 3
Headlight	gray/dk. green (L); gray/black (R)	+	BCM/dash fuse box, black 32 pin plug, pins 10, 27
Reverse Light	gray/dk. green	+	BCM/dash fuse box, purple/blue 60 pin plug, pin 44
Left Front Door Trigger	white/violet	-	BCM/dash fuse box, black/blue 60 pin plug, pin 54 or 50
Right Front Door Trigger	white/red	-	BCM/dash fuse box, black/blue 60 pin plug, pin 53
Dome Light	gray/dk. blue	-	BCM/dash fuse box, purple/blue 60 pin plug, pin 9
Trunk/Hatch Pin	white/gray	-	BCM/dash fuse box, purple/blue 60 pin plug, pin 39 or 5
Trunk/Hatch Release	white/orange (rear handle switch)	-	BCM/dash fuse box, purple/blue 60 pin plug, pin 35
Trunk Release Motor	violet	5 wire	BCM/dash fuse box, black 32 pin plug, pin 30
Fuel Door Release	(locks/unlocks along with driver door)		
Tachometer	dk. blue/black, white/gray, brown/black, or black/red	ac	any fuel injector, black 2 pin plug, pin 2
Clutch Pedal	violet/red and brown/black	+ and open	clutch switch, black 3 pin plug, pins 2, 3
Fuel Pump	dk. green/orange	+	driver kick, harness to rear
Rear Defroster	brown/dk. blue	- latched	BCM/dash fuse box, black/blue 60 pin plug, pin 6
Mirror Defroster	(same as rear defroster)		
Left Front Heated Seat	brown/white	- resistor	heated seat switch, black 6 pin plug, pin 2
Right Front Heated Seat	(same as left front heated seat)	- resistor	
Speed Sense	gray/yellow or red (with sunroof only)	ac	BCM/dash fuse box, purple/blue 60 pin plug, pin 57

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Item	Wire Color	Polarity	Wire Location
Brake Wire	dk. green/white (functions with ignition on only)	+	BCM/dash fuse box, black/blue 60 pin plug, pin 27
Parking Brake	white/yellow	-	BCM/dash fuse box, purple/blue 60 pin plug, pin 19
Horn Trigger	dk. green/white	-	BCM/dash fuse box, black/blue 60 pin plug, pin 1
Wipers	white (LO); white/red or white/gray (HI)	+	BCM/dash fuse box, black 32 pin plug, pin 3; black/blue 60 pin plug, pin 39
Left Front Window (Up/Down)	brown/gray - brown	A	driver kick or BCM/dash fuse box, black 32 pin plug, pins 1 - 19
Right Front Window (Up/Down)	violet/yellow - violet/dk. green	A	BCM/dash fuse box, black 32 pin plug, pins 18 - 17
Sun Roof (Open/Close)	yellow/dk. blue - yellow/red (function with ignition on only)	-	sunroof or power top switch, black 4 pin plug, pins 3 - 2
Radio 12V	red/dk. green	+	radio, gray 16 pin plug, pin A4
Radio Ground	black	-	radio, gray 16 pin plug, pin A8
Radio Ignition	(CAN B BUS)		
Radio Illumination	(CAN B BUS)		
Factory Amp Turn-on	red/yellow	+	radio, white 20 pin plug, pin 6
Left Front Speaker (+/-)	yellow - yellow/black or yellow/dk. blue - yellow/dk. green	+,-	radio, gray 16 pin plug, pins B5 - B6
Right Front Speaker (+/-)	violet/orange - violet/black or violet - violet/white	+,-	radio, gray 16 pin plug, pins B3 - B4
Left Rear Speaker (+/-)	orange - orange/black or orange/gray - orange/dk. blue	+,-	radio, gray 16 pin plug, pins B7 - B8
Right Rear Speaker (+/-)	dk. green - dk. green/black or dk. green/red - dk. green/white	+,-	radio, gray 16 pin plug, pins B1 - B2
Subwoofer (+/-)	gray/brown - dk. green/brown (1); gray/white - dk. green/white (2)	+,-	amplifier in RR quarter panel, black 16 pin plug, pins 14 - 6; 3 - 11
Aux. Audio Input Left (+/-)	gray - (shield)	+,-	radio, white 20 pin plug, pins 19 - 18
Aux. Audio Input Right (+/-)	red - (shield)	+,-	radio, white 20 pin plug, pins 20 - 18
Satellite Radio 12 Volts	(built into radio)		

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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
Right Rear Speaker	6		right rear side panel
Subwoofer	6		under front passenger seat
Satellite Radio Tuner	(built into radio)		

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Additional Wiring Notes

Item	Note
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are yellow - yellow/red (woofer); white/dk. blue - white/dk. green (tweeter) at the amplifier in RR quarter panel, black 16 pin plug, pins 8 - 16; white 22 pin plug, pins 20 - 9.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are orange - orange/black at the amplifier in RR quarter panel, black 16 pin plug, pins 13 - 5.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are purple/orange - purple/black (woofer); brown/red - brown/yellow (tweeter) at the amplifier in RR quarter panel, black 16 pin plug, pins 7 - 15; white 22 pin plug, pins 19 - 8.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are dk. green - dk. green/black at the amplifier in RR quarter panel, black 16 pin plug, pins 4 - 12.