

# DirectWire

2019 Fiat Ducato EU - International - Requested by [empire.de](http://empire.de)

## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Black (20A)	+	Ignition Switch, white 3 pin plug, pin 2
Second 12 Volts	Red (70A)	+	BCM/Dash Fuse Box, gray 2 pin plug, pin A
Starter	Brown/White (gas); Brown/Gray (diesel)	+	Ignition Switch, white 3 pin plug, pin 3
Ignition	Blue/Red	+	Ignition Switch, white 4 pin plug, pin 2
Second Ignition	White/Black	+	Ignition Switch, white 3 pin plug, pin 1
Accessory	Blue	+	Ignition Switch, white 4 pin plug, pin 1
Key Release	Lt. Green	Cut	Key Lock Solenoid, white 2 pin plug, pin 2
CAN Bus High	Lt. Green (CAN C)	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Brown (CAN C)	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Blue (CAN B)	Data	OBD-Data Link Connector, black 16 pin plug, pin 1
CAN Bus Low 2	White (CAN B)	Data	OBD-Data Link Connector, black 16 pin plug, pin 9
OBD 12 Volts	Red/Lt. Green (15A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Black	-	OBD-Data Link Connector, black 16 pin plug, pin 4

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Power Lock	Blue/Yellow (key switch)	-	BCM/Dash Fuse Box, green 60 pin plug (C6), pin 53
Lock Motor	orange/lt. green	5 wire	BCM/dash fuse box, black 32 pin plug (C5), pin 32
Driver Unlock Motor	white/black (front doors)	5 wire	BCM/dash fuse box, black 32 pin plug (C5), pin 18
Passenger Unlock Motor	red/black (rear sliding/cargo doors)	5 wire	BCM/dash fuse box, black 32 pin plug (C5), pin 14
Parking Lights	yel/gn (LF); yel/gy (RF); yel/gn (LR); yel/bu (RR)	+	BCM, blk 60 pin plug (C4), pins 55, 54; grn 60 pin plg (C6), pins 47,17
Parking Lights -	Yellow/Black	-	Headlight Switch, black 12 pin plug, pin 7
Hazards	violet/orange	-	BCM/dash fuse box, rear, brown 60 pin plug (C8), pin 55
Turn Signal (Left)	blue/white (F); blue/white (R)	+	BCM, black 60 pin plug (C4), pin 31; green 60 pin plug (C6), pin 19
Turn Signal (Right)	blue/black (F); blue/black (R)	+	BCM, black 60 pin plug (C4), pin 46; green 60 pin plug (C6), pin 18
Headlight	white/lt. green (high beam)	-	headlight switch, black 12 pin plug, pin 6
Reverse Light	white/lt. green	+	BCM/dash fuse box, green 60 pin plug (C6), pin 31
Left Front Door Trigger	White/Violet	-	BCM/Dash Fuse Box, green 60 pin plug (C6), pin 50
Right Front Door Trigger	white/black	-	BCM/dash fuse box, green 60 pin plug (C6), pin 51
Right Rear Door Trigger	black/violet	-	BCM/dash fuse box, green 60 pin plug (C6), pin 33
Dome Light	white/yellow	+	BCM/dash fuse box, green 60 pin plug (C6), pin 8
Trunk/Hatch Pin	white/blue (rear cargo doors)	-	BCM/dash fuse box, green 60 pin plug (C6), pin 35

Item	Wire Color	Polarity	Wire Location
Hood Pin	black/red	-	BCM/dash fuse box, black 60 pin plug (C4), pin 8
Trunk/Hatch Release	Gray/White or White/Gray (rear doors unlock)	-	BCM/Dash Fuse Box, green 60 pin plug (C6), pin 27 or 41
Tachometer	blue/black (gas); white/yellow (diesel)	ac	camshaft position sensor, 4 pin plug, pin 1 or 2
Fuel Pump	gray	+	center console bhnd cup holders, 24 pin plg, pin 9
Rear Defroster	brown/blue	- latched	BCM/dash fuse box, green 60 pin plug (C6), pin 21
Mirror Defroster	yellow/black	- latched	BCM/dash fuse box, black 60 pin plug (C4), pin 19
Speed Sense	gray/white (3.6L only)	ac	PCM on driver side of engine, black 96 pin plug, pin 34
Brake Wire	lt. green/white	+	brake switch, white 4 pin plug, pin 4
Parking Brake	orange/white	-	BCM/dash fuse box, green 60 pin plug (C6), pin 44
Horn Trigger	brown/lt. green	-	BCM/dash fuse box, black 60 pin plug (C4), pin 51
Wipers	white/blue (LO); white/black (HI)	+	BCM/dash fuse box, black 60 pin plug (C4), pins 10, 4
Left Front Window (Up/Down)	red/black - black/red	A	BCM/dash fuse box, black 32 pin plug (C5), pins 1 - 2
Right Front Window (Up/Down)	red - black/violet	A	BCM/dash fuse box, black 32 pin plug (C5), pins 30 - 15
Radio 12V	red/yellow	+	radio, 16 pin plug, pin A4 or 52 pin plug, pin 44
Radio Ground	black	-	radio, 16 pin plug, pin A8 or 52 pin plug, pin 43
Radio Ignition	blue/lt. green (base); (CAN B on premium)	+	radio, 16 pin plug, pin A7

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Radio Illumination	yellow/gray (base); (CAN B on premium)	dimmer	radio, 16 pin plug, pin A6
Left Front Speaker (+/-)	yellow - yellow/black	+,-	radio, 16 pin plug, pins B5 - B6 or 52 pin plug, pins 47 - 51
Right Front Speaker (+/-)	violet/orange - violet/black	+,-	radio, 16 pin plug, pins B3 - B4 or 52 pin plug, pins 46 - 50
Left Rear Speaker (+/-)	orange - orange/black	+,-	radio, 16 pin plug, pins B7 - B8 or 52 pin plug, pins 48 - 52
Right Rear Speaker (+/-)	lt. green - lt. green/black	+,-	radio, 16 pin plug, pins B1 - B2 or 52 pin plug, pins 45 - 49
Aux. Audio Input Left (+/-)	white - black	+,-	radio, 52 pin plug, pins 16 - 7
Aux. Audio Input Right (+/-)	lt. green - black	+,-	radio, 52 pin plug, pins 6 - 7
RSE Video (+/-)	red - white (rear view camera video)	+,-	radio, 52 pin plug, pins 31 - 32

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## Additional Wiring Notes

Item	Note
Power Lock	The dash switch is gray/brown at the BCM/dash fuse box, rear, brown 60 pin plug (C8), pin 1.