2012 Ford Fiesta

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red (15A)	+	ignition switch, black 7 pin plug, pin 4
Second 12 Volts	red or yellow/red (30A), brown/red (30A)	+	BCM, blue 16 pin plug (A), pins 1 and 8
Starter	blue/white (without Intelligent Access)	+	ignition switch, black 7 pin plug, pin 7
Second Starter	brn/pur (SS1), yel/org (SS2) (Intelligent Access)	-	start/stop switch or RFA Module, brown 23 pin plug, pins 22 and 23
Ignition	brown/yellow	+	ignition switch, black 7 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	purple/green	+	ignition switch, black 7 pin plug, pin 6
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	blue/gray (without Intelligent Access)	-	ignition key switch or BCM, gray 24 pin plug (G), pin 9
Data Bus	yellow/orange (TX), purple/gray (RX)	data	PATS Transceiver, black 4 pin plug, pins 3 and 4
Can Bus High	gray/orange (MS CAN), white/blue (HS CAN)	data	data link connector, black 16 pin plug, pin 3 and 6
Can Bus Low	purple/orange (MS CAN), white (HS CAN)	data	data link connector, black 16 pin plug, pin 11 and 14
Can Bus Sw	N/A		
Power Lock	see factory alarm arm		
Power Unlock	see factory alarm disarm		
Lock Motor	gray/brown	5 wire	driver kick or BCM, gray 16 pin plug (C), pin 2
Unlock Motor	blue/green	5 wire	driver kick or BCM, gray 16 pin plug (C), pin 7
Disarm Defeat	brown/green	5 wire	driver kick or BCM, gray 16 pin plug (C), pin 3
Parking Lights (+)	grn/org (LF), brn/yel (RF); pu/gn (LR), wh/og (RR)	+	BCM, blu 24 pin plug (D), pins 24, 23; gry 24 pin plug (G), pins 13, 1
Parking Lights (-)	yellow/blue	-	headlight switch or BCM, green 24 pin plug (E), pin 9
Hazards	brown/yellow	-	hazard switch or BCM, white 24 pin plug (F), pin 4
Turn Signal (Left)	blue/green (F); gray/orange (R)	+	BCM, blue 16 pin plug (A), pin 5; gray 16 pin plug (C), pin 12
Turn Signal (Right)	yellow/purple (F); green/orange (R)	+	BCM, blue 16 pin plug (A), pin 6; gray 16 pin plug (C), pin 13

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	blue/white	-	headlight switch or BCM, green 24 pin plug (E), pin 13
AutoLights	N/A		
Reverse Light	blue	+	driver kick or BCM, blue 24 pin plug (D), pin 2
Left Front Door Trigger	green/purple	- N.C.	driver kick or BCM, gray 24 pin plug (G), pin 10
Right Front Door Trigger	white	- N.C.	passenger kick or BCM, gray 24 pin plg (G), pin 22
Left Rear Door Trigger	green	- N.C.	driver kick or BCM, gray 24 pin plug (G), pin 4
Right Rear Door Trigger	yellow	- N.C.	passenger kick or BCM, gray 24 pin plug (G), pin 3
Dome Supervision	yellow/gray	-	driver A pillar or BCM, gray 16 pin plug (C), pin 5
Trunk/Hatch Pin	yellow/orange	- N.C.	driver kick or BCM, gray 24 pin plug (G), pin 7
Rear Glass Pin	N/A		
Hood Pin	blue/orange	- N.C.	hood switch or BCM, blue 24 pin plug (D), pin 12
Trunk Hatch/Release	green/white (rear handle switch)	-	driver kick or BCM, gray 24 pin plug (G), pin 20
Trunk Release Motor	blue/orange	5 wire	driver kick or BCM, gray 16 pin plug (C), pin 15
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	yel/gry (key lock) and blu/brn(lock/unlock detect)	- and open	driver kick or BCM, gray 24 pin plug (G), pins 6 and 5
Factory Alarm Disarm	pur/brn (key unlock) and blu/brn(lck/unlck detect)	both -	driver kick or BCM, gray 24 pin plug (G), pins 19 and 5
Disarm No Unlock	Transponder and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	yellow/blue, blue/orange, green/purple, or blue	ac	any fuel injector, gray 2 pin plug, pin 2
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	black/green (input), blue/orange (output)	- N.O.	clutch switch, 2 pin plug, pins 2 and 1
Fuel Pump	purple/green	+	driver kick, harness to rear
Rear Defroster	blue/gray	-	defroster switch or BCM, green 24 pin plug (E), pin 10
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	brown	-	driver heated seat switch or BCM, gray 24 pin plug (G), pin 8
Right Front Heated Seat	gray/yellow	-	passenger heated seat switch or BCM, gray 24 pin plug (G), pin 21

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	yellow/blue (M/T)	ac	Powertrain Control Module, top, black 32 pin plug, pin 4
Brake Wire	blue/gray	+	brake switch, gray 2 pin plug, pin 2 or driver kick, harnes to rear
Parking Brake	white/purple	-	parking brake switch, black 1 pin plug, pin 1
Horn Trigger	brown	-	horn switch or BCM, green 24 pin plug (E), pin 21
Wipers	blue/green	-	wiper switch or BCM, white 24 pin plug (F), pin 3
Left Front Window (Up/Down)	blue/gray - yellow/purple	A	master window control switch, gray 8 pin plug, pins 3 and 5
Right Front Window (Up/Down)	brown/yellow - green/orange	A	driver kick, door harness
Left Rear Window (Up/Down)	blue/orange - yellow	A	driver kick, door harness
Right Rear Window (Up/Down)	gray/purple - brown/green	A	driver kick, door harness
Sun Roof (Open/Close)	pur/brn - yel/org (function with ignition on only)	+	sunroof switch, 6 pin plug, pins 4 and 5
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
Radio 12V	yellow/red	+	radio, gray 24 pin plug, pin 1
Radio Ground	black/blue	-	radio, gray 24 pin plug, pin 13
Radio Ignition	(MS CAN)		
Radio Illumination	blue/brown (dimmer)	+	Front Controls Interface Module, 8 pin plug, pin 3
Factory Amp Turn-on	N/A		
Power Antenna	blue	+	radio, gray 24 pin plug, pin 2
Left Front Speaker (+/-)	white - white/brown	+,-	radio, gray 24 pin plug, pins 22 and 10
Right Front Speaker (+/-)	white/purple - white/orange	+,-	radio, gray 24 pin plug, pins 23 and 11
Left Rear Speaker (+/-)	white/green - brown/yellow	+,-	radio, gray 24 pin plug, pins 21 and 9
Right Rear Speaker (+/-)	brown/white - brown/blue	+,-	radio, gray 24 pin plug, pins 24 and 12
Center Channel (+/-)	N/A		
Subwoofer (+/-)	N/A		
Aux. Audio Input Left (+/-)	blue - yellow/green (without SYNC)	+,-	radio, gray 24 pin plug, pins 17 and 6
Aux. Audio Input Right (+/-)	blue/green - yellow/green (without SYNC)	+,-	radio, gray 24 pin plug, pins 18 and 6
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	blue - gray/orange (SYNC audio)	+,-	radio, gray 26 pin plug, pins 12 and 25

RSE Audio Right (+/-)	purple/green - brown/white (SYNC audio)	+,-	radio, gray 26 pin plug, pins 13 and 26
Satellite Radio 12 Volts	N/A		
Satellite Radio Ground	N/A		
Satellite Radio Ignition	N/A		
Satellite Radio Antenna	N/A		
Satellite Audio Left (+/-)	N/A		
Satellite Audio Right (+/-)	N/A		

What Fits

Item	Size	Depth	Location
Headunit	irregular		center of dash
Left Front Speaker	6.5	3.4	left front door
Left Front Tweeter	1	2	left front door
Right Front Speaker	6.5	3.4	right front door
Right Front Tweeter	1	2	right front door
Left Rear Speaker	6.5	3	left rear door
Left Rear Tweeter	N/A		
Right Rear Speaker	6.5	3	right rear door
Right Rear Tweeter	N/A		
Center Channel	N/A		
Subwoofer	N/A		
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner	(built into radio)		

Additional Wiring Notes

Item	Note
Clutch Pedal	May also need to interface with the second clutch switch. They are black/green (input), green/purple (output) (- N.O.) at the clutch cruise control deactivator switch, 4 pin plug, pins 3 and 2.
Power Lock	There is also a one wire door lock, which is brown/white (-) at the door lock switch or BCM, white 24 pin plug (F), pin 8. Negative pulses on this wire will alternate between lock and unlock. The BCM (Body Control Module) is behind the glove box.
Driver Unlock Motor	The BCM (Body Control Module) is behind the glove box.
Lock Motor	The BCM (Body Control Module) is behind the glove box.
Passenger Unlock Motor	The BCM (Body Control Module) is behind the glove box.
Factory Alarm Arm	The BCM (Body Control Module) is behind the glove box. After unlocking, you have to wait 1.5 - 2 seconds before the lock will work. See Tech Doc 1099 for wiring information.
Factory Alarm Disarm	The BCM (Body Control Module) is behind the glove box. If the doors do not unlock, increase the unlock duration time. See Tech Doc 1099 for wiring information.
Hood Pin	The BCM (Body Control Module) is behind the glove box.
Reverse Light	The BCM (Body Control Module) is behind the glove box.
Trunk/Hatch Pin	The BCM (Body Control Module) is behind the glove box.
Dome Supervision	The BCM (Body Control Module) is behind the glove box.
Rear Defroster	The BCM (Body Control Module) is behind the glove box.
Left Front Heated Seat	The BCM (Body Control Module) is behind the glove box.
Right Front Heated Seat	The BCM (Body Control Module) is behind the glove box.
Horn Trigger	The BCM (Body Control Module) is behind the glove box.
Wipers	The BCM (Body Control Module) is behind the glove box.
Parking Lights (+)	The BCM (Body Control Module) is behind the glove box. The marker lamps wire is white/purple (+) at the BCM, gray 16 pin plug (C), pin 14.
Parking Lights (-)	The BCM (Body Control Module) is behind the glove box. May need to interrupt the headlight switch ground when triggering this wire. It is black/gray at the headlight switch, gray 10 pin plug, pin 3. See Tech Doc 1096 for wiring information.
Headlight	The BCM (Body Control Module) is behind the glove box. May need to interrupt the headlight switch ground when triggering this wire. It is black/gray at the headlight switch, gray 10 pin plug, pin 3.
Speed Sense	The Powertrain Control Module is on the driver side of the engine. On A/T vehicles, it is yellow/orange at the Transmission Control Module on the transmission, bottom, black 58 pin plug, pin 9.
Ignition	On vehicles with Intelligent Access, it is orange/yellow (+) at the RFA Module, brown 23 pin plug, pin 18. The RFA (Remote Function Actuator) Module is under the passenger seat.
Accessory	On vehicles with Intelligent Access, it is orange (+) at the RFA Module, green 23 pin plug, pin 8. The RFA (Remote Function Actuator) Module is under the passenger seat.
12 Volts	On vehicles with Intelligent Access, it is red (20A) at the RFA Module, white 23 pin plug, pin 1. The RFA (Remote Function Actuator) Module is under the passenger seat.
Second 12 Volts	The BCM (Body Control Module) is behind the glove box.
Second Starter	The RFA (Remote Function Actuator) Module is under the passenger seat.
Key Sense	The BCM (Body Control Module) is behind the glove box.
Data Bus	The PATS (Passive Anti-Theft System) Transceiver is around the ignition key switch (without Intelligent Access), or in the steering column (Intelligent Access). The PATS ignition is blue/gray (without Intelligent Access), or gray/brown (Intelligent Access) in pin 1, and ground is black/gray in pin 2.
Hazards	The BCM (Body Control Module) is behind the glove box.
Turn Signal (Left)	The BCM (Body Control Module) is behind the glove box.