

2007 Ford Expedition

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	red	+	SJB, 1 pin plug (C), pin 1
Second 12 Volts	blue/red (x2) (common 20A)	+	ignition switch, 10 pin plug, pins 8 and 9
Starter	blue/white	+	ignition switch, 10 pin plug, pin 10
Second Starter	N/A		
Ignition	white/orange	+	ignition switch, 10 pin plug, pin 1
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	brown/yellow	+	ignition switch, 10 pin plug, pin 7
Second Accessory	purple/green	+	ignition switch, 10 pin plug, pin 5
Third Accessory	N/A		
Key Sense	blue/gray	+	ignition switch, 10 pin plug, pin 3
Data Bus	purple/brown (TX), blue/gray (RX)	data	PATS Transceiver, 4 pin plug, pins 3 (TX), 4 (RX)
Can Bus High	gray/orange	data	data link connector under driver dash, pin 3
Can Bus Low	purple/orange	data	data link connector under driver dash, pin 11
Can Bus Sw	N/A		
Power Lock	white/brown	-	driver kick or SJB, 26 pin plug (D), pin 17
Power Unlock	blue/brown	-	driver kick or SJB, 26 pin plug (D), pin 4
Lock Motor	gray/brown	5 wire	driver kick or SJB, 32 pin plug (E), pin 6
Unlock Motor	blue/green	5 wire	driver kick or SJB, 32 pin plug (E), pin 28
Disarm Defeat	purple/gray	5 wire	passenger kick or SJB, 32 pin plug (E), pin 27
Parking Lights (+)	purple/white	+	passenger kick or SJB, 32 pin plug (E), pin 20
Parking Lights (-)	blue/gray	-	headlight switch or SJB, 52 pin plug (G), pin 31
Hazards	green/orange	-	hazard switch or SJB, 52 pin plug (G), pin 48
Turn Signal (Left)	blue/green (F); gray/brown (R)	+	SJB, 26 pin plg(B), pin 21; 32 pin plg(E), pin 25
Turn Signal (Right)	yellow/purple (F); purple/orange (R)	+	SJB, 26 pin plg(B), pin 23; 32 pin plg(E), pin 26

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	yellow/blue	-	headlight switch or SJB, 52 pin plug (G), pin 30
AutoLights	purple/green	-	headlight switch or SJB, 52 pin plug (G), pin 50
Reverse Light	green/brown	+	passenger kick, harness to rear
Left Front Door Trigger	green/purple	- N.C.	driver kick or SJB, 26 pin plug (D), pin 14
Right Front Door Trigger	white	- N.C.	passenger kick or SJB, 26 pin plug (D), pin 2
Left Rear Door Trigger	yellow	- N.C.	driver kick or SJB, 26 pin plug (D), pin 3
Right Rear Door Trigger	green	- N.C.	passenger kick or SJB, 26 pin plug (D), pin 15
Dome Supervision	gray/purple	+	driver kick or SJB, 14 pin plug (F), pin 9
Trunk/Hatch Pin	gray/orange	- N.C.	passenger kick or SJB, 26 pin plug (D), pin 16
Rear Glass Pin	same as trunk/hatch pin		
Hood Pin	N/A		
Trunk Hatch/Release	brown (liftgate), brown/yellow (glass)	-	SJB, 26 pin plug (D), pins 7 and 20
Trunk Release Motor	green/white (liftgate), brown/blue (glass)	5 wire	SJB, 32 pin plug (E), pins 15 and 31
Fuel Door Release	N/A		
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	NOT purple/green	ac	any fuel injector
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	purple/green	+	driver kick, harness to rear
Rear Defroster	white/orange	- latched	HVAC Control Module in dash
Mirror Defroster	same as rear defroster		
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	yellow/blue	ac	wiper motor or PCM, plg towards pass side, pin 63
Brake Wire	yellow/gray	+	switch, dr kick, or SJB, 52 pin plug (G), pin 40
Parking Brake	purple/brown	-	parking brake switch or SJB, 26 pin plug (D), pin 1
Horn Trigger	yellow/red	-	horn switch or SJB, 52 pin plug (G), pin 41
Wipers	blue/orange (L), purple/orange (H)	-	windshield wiper switch, 16 pin plg, pins 16 and 9
Left Front Window (Up/Down)	blue/gray - yellow/purple	A	driver window switch in door
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)	motor part of module		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	purple/white	-	memory seat switch or DSM, 20 pin plug (D), pin 9
Memory Seat 2	yellow	-	memory seat switch or DSM, 20 pin plug (C), pin 11
Memory Seat 3	N/A		
Radio 12V	white/red	+	radio, 24 pin plug, pin 1
Radio Ground	black/blue	-	radio, 24 pin plug, pin 13
Radio Ignition	(CAN data bus)		
Radio Illumination	N/A		
Factory Amp Turn-on	blue/green (THX amp), purple/red (sub amp)	+	radio, 8 pin plug, pin 4
Power Antenna	yellow/orange	+	radio, 24 pin plug, pin 5
Left Front Speaker (+/-)	white - white/brown	+,-	radio, 24 pin plug, pins 8 and 21 or amplifier
Right Front Speaker (+/-)	white/purple - white/orange	+,-	radio, 24 pin plug, pins 11 and 12 or amplifier
Left Rear Speaker (+/-)	brown/green - brown/yellow	+,-	radio, 24 pin plug, pins 9 and 22 or amplifier
Right Rear Speaker (+/-)	brown/white - brown/blue	+,-	radio, 24 pin plug, pins 10 and 23 or amplifier
Center Channel (+/-)	green/blue-gray/blue (F), green/brn-purple/brn (R)	+,-	amplifier under center of dash
Subwoofer (+/-)	green - gray (1), purple - yellow (2)	+,-	amplifier under center of dash
Aux. Audio Input Left (+/-)	yellow/green - blue	+,-	radio, 16 pin plug, pins 8 and 7
Aux. Audio Input Right (+/-)	blue/green - white/green	+,-	radio, 16 pin plug, pins 6 and 14
RSE Video (+/-)			

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RSE Audio Left (+/-)	green - gray	+, -	radio, 16 pin plug, pins 1 and 2
RSE Audio Right (+/-)	purple - yellow	+, -	radio, 16 pin plug, pins 9 and 10
Satellite Radio 12 Volts	blue/red	+	satellite radio receiver under center console
Satellite Radio Ground	black/blue	-	satellite radio receiver under center console
Satellite Radio Ignition	(CAN data bus)		
Satellite Radio Antenna	(coaxial cable)		
Satellite Audio Left (+/-)	green/orange - blue/brown	+, -	satellite radio receiver under center console
Satellite Audio Right (+/-)	purple/brown - yellow/blue	+, -	satellite radio receiver under center console

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What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6 x 8		left front door
Left Front Tweeter			
Right Front Speaker	6 x 8		right front door
Right Front Tweeter			
Left Rear Speaker	6 x 8		left rear door
Left Rear Tweeter			
Right Rear Speaker	6 x 8		right rear door
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			under center console

Smart Starter Kill Relay

Relay Type:	n/a
Part #:	n/a
OE Relay Part #:	
Location:	n/a

Notes:
n/a
Alternate Part Notes:
n/a

Immobilizer Bypass Module

Required:	Yes
Type:	SecuriLock
Part #:	XK04
Alternate Part #'s:	1100F/1100X, 556SW, 556UW, DesignTech 20402, DesignTech 29402

Notes:
Standard on all models. When using the 1100X, a software change to 1100FM is needed. The immobilizer wires are blue/brown (pin 1, power), black (pin 2, ground), purple/brown (pin 3, TX), and blue/gray (pin 4, RX).

Additional Wiring Notes

Item	Note
Data Bus	The PATS (Passive Anti-Theft System) Transceiver is around the ignition key cylinder. The PATS ignition wire is blue/brown in pin 1 and the ground wire is black in pin 2.
Power Lock	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Power Unlock	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Lock Motor	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Passenger Unlock Motor	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Parking Lights (+)	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Parking Lights (-)	The SJB (Smart Junction Box) is the fuse box in the passenger kick. May need to interrupt the headlight switch ground wire when triggering this wire. It is black/white at the headlight switch, 10 pin plug, pin 7. See Tech Doc 1096 for wiring information.
Hazards	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Turn Signal (Right)	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Headlight	The SJB (Smart Junction Box) is the fuse box in the passenger kick. May need to interrupt the headlight switch ground wire when triggering this wire. It is black/white at the headlight switch, 10 pin plug, pin 7.
Dome Supervision	The SJB (Smart Junction Box) is the fuse box in the passenger kick. The exterior mirror puddle lamps wire is purple (+) in the driver kick, door harness or at the SJB, 26 pin plug (D), pin 12.
Trunk/Hatch Pin	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Brake Wire	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Parking Brake	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Speed Sense	The PCM (Powertrain Control Module) is under the hood, on the passenger side firewall.
Memory Seat 1	The DSM (Driver Seat Module) is under the driver seat.
Left Rear Speaker (+/-)	On the vehicles with amplifier, the LR speaker wires are green/brown - gray/brown.
Right Front Speaker (+/-)	On the vehicles with amplifier, the RF tweeter wires are purple/orange - yellow/orange.
Right Rear Speaker (+/-)	On the vehicles with amplifier, the RR speaker wires are blue/white - purple/white.
Driver Unlock Motor	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Turn Signal (Left)	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Left Front Speaker (+/-)	If equipped, the amplifier is under the center of the dash. On the vehicles with amplifier, the LF tweeter wires are green/orange - gray/orange. The instrument panel speaker wires are L brown/purple - brown/green, and R green/white - blue/white.
Trunk Hatch/Release	Meter these wires while opening the liftgate or the liftgate glass from the handle on the rear liftgate. The SJB (Smart Junction Box) is the fuse box in the passenger kick. On vehicles with power liftgate, the open/close wire is gray/yellow (-) at the power liftgate switch on the dash or in the driver kick, harness to the rear.
Memory Seat 2	The DSM (Driver Seat Module) is under the driver seat.
Left Front Door Trigger	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Horn Trigger	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
12 Volts	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Right Front Door Trigger	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Left Rear Door Trigger	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Right Rear Door Trigger	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
Rear Defroster	On vehicles with manual A/C and without auxiliary climate control, it is in the 26 pin plug (A), pin 3. On vehicles with manual A/C and with auxiliary climate control, it is in the 26 pin plug (B), pin 23. On vehicles with automatic A/C, it is in the 26 pin plug (B), pin 23.
Trunk Release Motor	The SJB (Smart Junction Box) is the fuse box in the passenger kick.
AutoLights	The SJB (Smart Junction Box) is the fuse box in the passenger kick.