

2006 Ford Ranger

*Remote Start, Security, Keyless Entry, Accessories*

Item	Wire Color	Polarity	Wire Location
12 Volts	yellow (x3)(common 40A)	+	ignition harness
Second 12 Volts			
Starter	red/lt. blue	+	ignition harness
Second Starter	N/A		
Ignition	lt. green/purple	+	ignition harness
Second Ignition	N/A		
Third Ignition	N/A		
Accessory	gray/yellow	+	ignition harness
Second Accessory	black/lt. green	+	ignition harness
Third Accessory			
Keysense	black/pink	-	ignition harness
Data Bus	white/lt. green (TX), gray/orange (RX)	data	PATS Transceiver, 4 pin plug, pins 4 and 3
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	pink/yellow	-	SJB, large black plug, pin 5
Power Unlock	pink/lt. green	-	SJB, large black plug, pin 9
Lock Motor	red	5wi	SJB, gray plug, pin 9
Driver Unlock Motor	lt. blue	5wi	SJB, large black plug, pin 7
Passenger Unlock Motor	pink/orange	5wi	SJB, large black plug, pin 12
Parking Lights (-)	white/black	-	switch or SJB, sml blk plug, pin 16
Parking Lights (+)	brown	+	SJB, brown plug, pin 8
Hazards	same as turn signal wires		
Turn Signal (Left)	lt grn/wht (F), lt grn/org (R)	+	turn signal switch
Turn Signal (Right)	wht/lt blu (F), org/lt blu (R)	+	turn signal switch
Headlight	purple/lt. blue or red/black	+	switch or SJB, lrg blk plug, pin 30
AutoLights			
Reverse Light	black/pink	+	driver kick, harness to rear
Left Front Door Trigger	yellow/black (D), gray/red (P)	-	SJB
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			

Remote Start, Security, Keyless Entry, Accessories (Continued)

Item	Wire Color	Polarity	Wire Location
Dome Supervision	black/lt. blue	+	SJB, gray plug, pin 14
Trunk/Hatch Pin	N/A		
Rear Glass Pin			
Hood Pin	N/A		

Trunk/Hatch Release	N/A		
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm	N/A		
Factory Alarm Disarm	N/A		
Disarm No Unlock	N/A		
Trunk Alarm Shunt			
Tachometer	tan/yellow	ac	PCM, pin 48
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			
Speed Sense	gray/black		PCM, pin 68
Brake Wire	lt. green	+	brake pedal switch
Parking Brake	red/yellow	-	switch or SJB, lrg blk plug, pin 17
Horn Trigger	yellow/lt. green to dk. blue	-	switch or SJB, sml blk plug, pin 18
Wipers	dk. green	-	windshield wiper switch
Left Front Window (Up/Down)	white/black - red	A	driver window motor in door
Right Front Window (Up/Down)	white/yellow - tan/lt. blue	A	driver kick, door harness
Left Rear Window (Up/Down)	N/A		
Right Rear Window (Up/Down)	N/A		
Sun Roof (Open/Close)	N/A		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		

Audio

Item	Wire Color	Polarity	Wire Location
Radio 12V	lt. green/purple	+	radio harness
Radio Ground	black and black/lt. green	-	radio harness
Radio Ignition	black/pink	+	radio harness
Radio Illumination	lt. blue/red (dimmer)	+	radio harness
Factory Amp Turn-on	white/purple or purple/lt blue	+	radio harness
Power Antenna	N/A		
Left Front Speaker (+/-)	orange/lt. grn - lt. blue/wht	+,-	radio harness or amplifier
Right Front Speaker (+/-)	white/lt. grn - dk. green/org	+,-	radio harness or amplifier
Left Rear Speaker (+/-)	gray/lt. blue - tan/yellow	+,-	radio harness or amplifier
Right Rear Speaker (+/-)	orange/red - brown/pink	+,-	radio harness or amplifier
Center Channel (+/-)			
Subwoofer (+/-)			
Aux. Audio Input Left (+/-)			
Aux. Audio Input Right (+/-)			

RSE Video (+/-)
RSE Audio Left (+/-)
RSE Audio Right (+/-)
Satellite Radio 12 Volts
Satellite Radio Ground
Satellite Radio Ignition
Satellite Radio Antenna
Satellite Audio Left (+/-)
Satellite Audio Right (+/-)

What Fits

Item	Size	Depth	Location
Headunit			
Left Front Speaker			
Left Front Tweeter			
Right Front Speaker			
Right Front Tweeter			
Left Rear Speaker			
Left Rear Tweeter			
Right Rear Speaker			
Right Rear Tweeter			
Center Channel			
Subwoofer			
Left Front Headrest			
Right Front Headrest			
Left Rear Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

*Wiring Notes: Data Bus***Notes:**

The PATS (Passive Anti-Theft System) Transceiver is around the ignition switch. The PATS ignition wire is red/yellow in pin 2, and ground wire is black/white in pin 1.

*Wiring Notes: Power Lock***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Power Unlock***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel. The SJB in this vehicle shuts down after the doors have been locked for a certain time period, to wake up the system refer to DirectFax document 1093.

Wiring Notes: Lock Motor

Notes:

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Driver Unlock Motor***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Passenger Unlock Motor***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Parking Lights (-)***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Parking Lights (+)***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Headlight***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Left Front Door Trigger***Notes:**

The driver door trigger is yellow/black in the large black plug, pin 6. The passenger door(s) trigger is gray/red in the small black plug, pin 3. Use both wires and diode isolate each from each other and the control module. Refer to DirectFax document 1076 for wiring information. The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Dome Supervision***Notes:**

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

*Wiring Notes: Tachometer***Notes:**

The PCM (Powertrain Control Module) is on the passenger side firewall, under the hood. For tach, can also go to the ignition coil pack or any fuel injector and use the wire that is NOT red.

Wiring Notes: Speed Sense

Notes:

The PCM (Powertrain Control Module) is on the passenger side firewall, under the hood.

Wiring Notes: Parking Brake

Notes:

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.

Wiring Notes: Horn Trigger

Notes:

The SJB (Smart Junction Box) is the fuse/relay box in the passenger kick panel.



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