

2003 Toyota RAV4

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white & black/red	+	ignition harness
Second 12 Volts			
Starter	red	+	ignition harness
Second Starter	N/A		
Ignition	black	+	ignition harness
Second Ignition	black/yellow	+	ignition harness
Third Ignition	N/A		
Accessory	blue/red	+	ignition harness
Second Accessory	N/A		
Third Accessory			
Key Sense			
Data Bus			
Can Bus High			
Can Bus Low			
Can Bus Sw			
Power Lock	blue/orange	-	DKP, 14 pin plug in pin 6
Power Unlock	blue/yellow	-	DKP, 14 pin plug in pin 13
Lock Motor	blue/orange	5wi	DKP, 14 pin plug in pin 2
Unlock Motor	blue/red	5wi	DKP, 14 pin plug in pin 7
Disarm Defeat	blue/red	5wi	DKP, harness to the rear
Parking Lights (+)	green or green/red	+	headlight switch
Parking Lights (-)			
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red/black	-	headlight switch
AutoLights			
Reverse Light			
Left Front Door Trigger	red	-	harness going under dri seat
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	comes on with unlock		
Trunk/Hatch Pin	common with door trigger		
Rear Glass Pin			
Hood Pin			
Trunk Hatch/Release	blue	5wi	PKP, harness to the rear
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)			
Factory Alarm Arm			
Factory Alarm Disarm			
Disarm No Unlock			
Trunk Alarm Shunt			
Tachometer	black	ac	data link connector, pin 9
Wait to Start	N/A		
Neutral Safety			
Clutch Pedal			
Fuel Pump			
Rear Defroster			
Mirror Defroster			
Left Front Heated Seat			
Right Front Heated Seat			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense			
Brake Wire	green/white	+	brake pedal switch
Parking Brake			
Horn Trigger	green/red	-	steering column
Wipers	blue/org (L), blue/blk (H)	+	steering column
Left Front Window (Up/Down)	yellow - green	A	driver window switch
Right Front Window (Up/Down)	green/orange - blue/white	A	DKP, 13 pin plug
Left Rear Window (Up/Down)	blue/black - blue/red	A	DKP, 13 pin plug
Right Rear Window (Up/Down)	red/yellow - red/blue	A	DKP, 13 pin plug
Sun Roof (Open/Close)	black/white - black/yellow	A	sun roof motor in roof
Sun Roof (Limit/Close)	red, green	-	sun roof motor in roof
Memory Seat 1			
Memory Seat 2			
Memory Seat 3			
Radio 12V	blue/yellow	+	radio harness
Radio Ground	brown	-	radio harness
Radio Ignition	gray	+	radio harness
Radio Illumination	green	+	radio harness
Factory Amp Turn-on			
Power Antenna			
Left Front Speaker (+/-)	pink - purple	+,-	radio harness
Right Front Speaker (+/-)	lt. green - blue	+,-	radio harness
Left Rear Speaker (+/-)	black - yellow	+,-	radio harness
Right Rear Speaker (+/-)	red - white	+,-	radio harness
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 Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

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:	Transponder
Part #:	1100X
Alternate Part #'s:	1100F, 555XW, 556UW, DesignTech 20402, DesignTech 29402

Notes:
When using the 1100F, a software change to 1100TL is needed.

Additional Wiring Notes

Item	Note
Power Unlock	Unlock requires a double pulse.
Left Front Door Trigger	The individual door trigger wires are at the passenger side junction box behind the glove box. The driver door trigger is red/yellow in a 10 pin plug in pin 3, the front passenger door is red/white in a 20 pin plug in pin 5, and the rear doors and hatch is red/white in a 10 pin plug in pin 2.
Tachometer	The data link connector is below the driver side fuse box.