

2009 Toyota Tacoma



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white/red (30A)	+	ignition switch, white 8 pin plug, pin 5
Second 12 Volts	white/blue (50A)	+	ignition switch, white 8 pin plug, pin 4
Starter	green/black	+	ignition switch, white 8 pin plug, pin 7
Second Starter	black/white	+	ignition switch, white 8 pin plug, pin 3
Ignition	black/red	+	ignition switch, white 8 pin plug, pin 6
Second Ignition	blue/yellow	+	ignition switch, white 8 pin plug, pin 1
Third Ignition	N/A		
Accessory	white/green	+	ignition switch, white 8 pin plug, pin 2
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	green/black	-	key switch, white 2 pin plug, pin 1
Data Bus	pink/green (RX); lt. green/red (TX)	data	Transponder Key Amplifier on ign switch, black 7 pin plug, pins 4, 5
Can Bus High	yellow/black	data	data link connector, white 16 pin plug, pin 6
Can Bus Low	blue/white	data	data link connector, white 16 pin plug, pin 14
Can Bus Sw	N/A		
Power Lock	blue/white	-	driver kick, white 10 pin plug, pin 6
Power Unlock	gray	-	driver kick, white 10 pin plug, pin 7
Lock Motor	blue/red	5 wire	driver kick, white 12 pin plug, pin 10 or white 6 pin plug, pin 4
Unlock Motor	blue/black	5 wire	driver kick, white 10 pin plug, pin 9
Disarm Defeat	blue/black	5 wire	dash fuse box, rear, white 24 pin plug (1H), pin 5
Parking Lights (+)	green	+	dash fuse box, white 13 pin plug (1D), pin 10
Parking Lights (-)	green	-	headlight switch, white 20 pin plug, pin 18
Hazards	red/white	-	hazard switch, white 14 pin plug, pin 9
Turn Signal (Left)	yellow (F); yellow (R) (common on models w/o DRL)	+	dash fuse box, wht 11 pin plg (1B), pin 7; wht 13 pin plg (1D), pin 11
Turn Signal (Right)	lt. blu (F); blu/wht (R)(common on models w/o DRL)	+	dash fuse box, wht 11 pin plg (1B), pin 5; wht 13 pin plg (1D), pin 4

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	pink	-	headlight switch, white 20 pin plug, pin 20
AutoLights	N/A		
Reverse Light	red	+	driver kick, gray 12 pin plug, pin 1
Left Front Door Trigger	green/yellow	-	dash fuse box, white 18 pin plug (1F), pin 7
Right Front Door Trigger	red/black	-	dash fuse box, rear, white 22 pin plug (1I), pin 8
Left Rear Door Trigger	pink/black	-	dash fuse box, white 18 pin plug (1F), pin 6
Right Rear Door Trigger	(same as left rear door trigger)		
Dome Supervision	blue	-	dash fuse box, black 13 pin plug (1E), pin 9
Trunk/Hatch Pin	N/A		
Rear Glass Pin	N/A		
Hood Pin	N/A		
Trunk Hatch/Release	N/A		
Trunk Release Motor	N/A		
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	purple (driver door key lock)	-	driver kick, white 10 pin plug, pin 4
Factory Alarm Disarm	green/black (driver door key unlock)	double -	driver kick, white 10 pin plug, pin 8
Disarm No Unlock	(use keysense)		
Trunk Alarm Shunt	N/A		
Tachometer	black/white	ac	data link connector, white 16 pin plug, pin 9
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	black/yellow	+	clutch switch, black 2 pin plug, pin 2
Fuel Pump	black/red	+	driver kick, white 18 pin plug, pin 8
Rear Defroster	N/A		
Mirror Defroster	N/A		
Left Front Heated Seat	N/A		
Right Front Heated Seat	N/A		

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	purple/white	ac	dash fuse box, black 13 pin plug (1E), pin 5
Brake Wire	blue	+	dash fuse box, white 13 pin plug (1D), pin 13
Parking Brake	green/yellow	-	dash fuse box, white 18 pin plug (1C), pin 5
Horn Trigger	green/red	-	dash fuse box, white 18 pin plug (1C), pin 10
Wipers	blue/black (LO); blue/red (HI); blue (ignition)	+	wiper switch, white 10 pin plug, pins 3, 4, 2
Left Front Window (Up/Down)	blue - blue/black	A	pwr wndw mstr sw, wh 10 pin plg, pins 3-4 or wh 18 pin plg, pins 4-9
Right Front Window (Up/Down)	blue/yellow - black	A	driver kick, white 12 pin plug, pins 2 - 3
Left Rear Window (Up/Down)	green/white - green/red	A	driver kick, white 12 pin plug, pins 7 - 1 or white 7 pin plug, pins 6 - 5
Right Rear Window (Up/Down)	green/black - green	A	driver kick, white 12 pin plug, pins 5 - 6 or white 6 pin plug, pins 5 - 2
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		
Radio 12V	lt. blue	+	radio, white 10 pin plug, pin 4 or white 20 pin plug, pin 1
Radio Ground	brown	-	radio, white 10 pin plug, pin 7 or white 20 pin plug, pin 20
Radio Ignition	gray	+	radio, white 10 pin plug, pin 3 or white 20 pin plug, pin 11
Radio Illumination	green (parking lights); white (dimmer)	+,-	radio, white 10 pin plug, pin 10; blue 6 pin plug, pin 5
Factory Amp Turn-on	N/A		
Power Antenna	N/A		
Left Front Speaker (+/-)	pink - purple	+,-	radio, white 10 pin plug, pins 2 - 6
Right Front Speaker (+/-)	lt. green - blue	+,-	radio, white 10 pin plug, pins 1 - 5
Left Rear Speaker (+/-)	black - yellow	+,-	radio, blue 6 pin plug, pins 2 - 6
Right Rear Speaker (+/-)	red - white	+,-	radio, blue 6 pin plug, pins 1 - 3
Center Channel (+/-)	N/A		
Subwoofer (+/-)	(paralleled with rear speakers)		
Aux. Audio Input Left (+/-)	white - red	+,-	radio, white 20 pin plug, pins 17 - 16
Aux. Audio Input Right (+/-)	black - red	+,-	radio, white 20 pin plug, pins 15 - 16
RSE Video (+/-)	N/A		
RSE Audio Left (+/-)	N/A		
RSE Audio Right (+/-)	N/A		
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	irregular		center of dash
Left Front Speaker	6.3 or 6 x 9		left front door
Left Front Tweeter	2.6		left front door
Right Front Speaker	6.3 or 6 x 9		right front door
Right Front Tweeter	2.6		right front door
Left Rear Speaker	6.3 or 3.1		left rear door
Left Rear Tweeter	1.6		left rear ceiling (access cab)
Right Rear Speaker	6.3 or 3.1		right rear door
Right Rear Tweeter	1.6		right rear ceiling (access cab)
Center Channel	N/A		
Subwoofer	6.3 (access cab); 7.9 (double cab)		rear cabin wall
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			under rear seat storage compartment

Additional Wiring Notes

Item	Note
Data Bus	The immobilizer light is purple/white (+) at the light, white 14 pin plug, pin 6. The IMO - IMI are lt. green/black - blue/white at the Engine Control Module behind glove box, white 35 pin plug (E7, second plug from bottom), pins 15 - 16 (4 cylinder) or black 36 pin plug (E14, second plug from bottom), pins 20 - 14 (6 cylinder).
Power Lock	This wire is only needed if the door locks do not function with the aftermarket system while the vehicle is running. All other times just use the factory alarm arm wire.
Power Unlock	This wire is only needed if the door locks do not function with the aftermarket system while the vehicle is running. All other times just use the factory alarm disarm wire.
Right Front Window (Up/Down)	On models with amplifier, they are in the driver kick, white 7 pin plug, pin 4 and white 6 pin plug, pin 1.
Speed Sense	On models without amplifier, also found at the radio, white 20 pin plug, pin 3. On models with amplifier, also found at the amplifier on right rear cabin wall, white 24 pin plug, pin 11.
Radio Illumination	On models with amplifier, they are at the radio, white 20 pin plug, pins 2, 12.
Left Front Speaker (+/-)	On models with amplifier, the speaker wires are pink - purple at the amplifier on right rear cabin wall, white 12 pin plug, pins 2 - 1. The tweeter wires are red/white - red at the amplifier, blue 10 pin plug, pins 8 - 7.
Right Front Speaker (+/-)	On models with amplifier, the speaker wires are lt. green - blue at the amplifier on right rear cabin wall, white 12 pin plug, pins 9 - 3. The tweeter wires are blue - pink at the amplifier, blue 10 pin plug, pins 2 - 6.
Left Rear Speaker (+/-)	On models with amplifier, the speaker wires are black - yellow at the amplifier on right rear cabin wall, blue 10 pin plug, pins 3 - 9.
Right Rear Speaker (+/-)	On models with amplifier, the speaker wires are red - white at the amplifier on right rear cabin wall, blue 10 pin plug, pins 10 - 4.
Subwoofer (+/-)	On models with amplifier, the speaker wires are green/yellow - green/white (1); blue/black - blue/red (2) at the amplifier on right rear cabin wall, white 12 pin plug, pins 5 - 12; 4 - 10.