

1999 Toyota Land Cruiser



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	blk/red - wht/red	+	ignition harness
Second 12 Volts			
Starter	black/white	+	ignition harness
Second Starter			
Ignition	black/red	+	ignition harness
Second Ignition	blue/black	+	ignition harness
Third Ignition			
Accessory	black	+	ignition harness
Second Accessory			
Third Accessory			
Key Sense	red/black	-	ignition switch
Data Bus	blu/blk (data), pur/grn (clock), red/yel (synchro)	data	Immobilizer Module
Can Bus High	N/A		
Can Bus Low	N/A		
Can Bus Sw	N/A		
Power Lock	blue/white	-	passenger kick 20 pin plug
Power Unlock	green/black	-	passenger kick 20 pin plug
Lock Motor	blue/white		fuse box
Unlock Motor	blue/black		fuse box
Disarm Defeat	blue/black		fuse box
Parking Lights (+)	green		fuse box
Parking Lights (-)	brn/blk or grn/wht		fuse box
Hazards			
Turn Signal (Left)			
Turn Signal (Right)			

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red/white	-	steering column
AutoLights			
Reverse Light	red/black	+	driver kick, white 22 pin plug
Left Front Door Trigger	green/white	-	fuse box
Right Front Door Trigger			
Left Rear Door Trigger			
Right Rear Door Trigger			
Dome Supervision	use door trigger		
Trunk/Hatch Pin	green/yellow	-	fuse box
Rear Glass Pin			
Hood Pin	blue/black	-	behind the glove box
Trunk Hatch/Release			
Trunk Release Motor			
Fuel Door Release			
Power Sliding Door (Left)			
Power Sliding Door (Right)			
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock	blue/yellow	-	drivers kick panel
Trunk Alarm Shunt			
Tachometer	black		behind the glove box
Wait to Start			
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	purple		behind the glove box
Brake Wire	green/white	+	fuse box
Parking Brake	red/white	-	fuse box, black 18 pin plug
Horn Trigger	green/orange	-	fuse box
Wipers	blu/blk & blu/red	+	wiper switch or motor
Left Front Window (Up/Down)	yellow - green	A	at the drivers door switch
Right Front Window (Up/Down)	black - red/grn	A	driver kick orange plug
Left Rear Window (Up/Down)	red/yel - grn/yel	A	driver kick orange plug
Right Rear Window (Up/Down)	red/blk - red/blk	A	driver kick orange plug
Sun Roof (Open/Close)	not recommended		
Sun Roof (Limit/Close)			
Memory Seat 1			
Memory Seat 2			
Memory Seat 3			
Radio 12V	blue/yellow	+	radio or amplifier
Radio Ground	brown	-	radio or amplifier
Radio Ignition	grey	+	radio or amplifier
Radio Illumination			
Factory Amp Turn-on			
Power Antenna	black/red	+	radio
Left Front Speaker (+/-)	pink - purple		amplifier
Right Front Speaker (+/-)	green - blue		amplifier
Left Rear Speaker (+/-)	black - yellow		amplifier
Right Rear Speaker (+/-)	red - white		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 Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			

Additional Wiring Notes

Item	Note
Data Bus	The Immobilizer Module is around the ignition key switch. The immobilizer ignition wire is black/yellow and the ground reference wire is white/black.
Horn Trigger	In a 14 pin connector located to the right side of the fuse box
Accessory	This wire is not required for remote start.
Brake Wire	Located in a black connector at the bottom of the fuse box.
Passenger Unlock Motor	In an 18 pin connector located to the bottom right side of the fuse box.
Left Front Door Trigger	In a 13 pin connector located to the top left side of the fuse box.
Driver Unlock Motor	In a 13 pin connector located to the bottom left side of the fuse box.
Hood Pin	In a grey plug behind the right side of the glove box.
Lock Motor	In a 13 pin connector located to the bottom left side of the fuse box.
Parking Lights (-)	In a 20 pin connector located to the top middle of the fuse box.
Parking Lights (+)	In a 15 pin connector located to the bottom right side of the fuse box.
Tachometer	Located in a 28 pin connector at the ECM behind the glove box.
Trunk/Hatch Pin	In a 13 pin connector located to the top left side of the fuse box.
Speed Sense	Located in a 28 pin connector at the ECM behind the glove box.
Key Sense	Using the status output to trigger this wire during remote start will disarm the factory alarm without unlocking the doors.