

2007 Toyota Land Cruiser



Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	white/red (15A)	+	ignition harness
Second 12 Volts	black/red (7.5A)	+	ignition harness
Starter	black/white	+	ignition harness
Second Starter	N/A		
Ignition	black/red	+	ignition harness
Second Ignition	blue/black	+	ignition harness
Third Ignition	N/A		
Accessory	black	+	ignition harness
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	red/black	-	ignition harness
Data Bus	blue/black (RX), purple/green (TX)	data	Immobilizer Module, 7 pin plug, pins 4 and 5
Can Bus High	blue	data	data link connector under driver dash, pin 6
Can Bus Low	white	data	data link connector under driver dash, pin 14
Can Bus Sw	black (door lock data)	data	driver kick, 20 pin plug, pin 11
Power Lock	blue/white	-	driver fuse box, bottom, 42 pin plug
Power Unlock	green/black	-	driver fuse box, bottom, 42 pin plug
Lock Motor	purple	5 wire	driver fuse box, bottom, 11 pin plug
Unlock Motor	blue/black	5 wire	Body ECU, 30 pin plug, pin 10
Disarm Defeat	blue/black	5 wire	driver fuse box, left side, 12 pin plug
Parking Lights (+)	green	+	Body ECU, 30 pin plug, pin 28
Parking Lights (-)	green/black	-	switch or Body ECU, 26 pin plug, pin 8
Hazards	white	-	turn signal flasher near steering column
Turn Signal (Left)	green/black	+	turn signal flasher near steering column
Turn Signal (Right)	green/yellow	+	turn signal flasher near steering column

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red/white	-	switch or Body ECU, 26 pin plug, pin 1
AutoLights			
Reverse Light	red/black	+	driver fuse box, bottom, 42 pin plug
Left Front Door Trigger	red/yellow	-	Body ECU, 24 pin plug, pin 23
Right Front Door Trigger	red/black	-	Body ECU, 24 pin plug, pin 24
Left Rear Door Trigger	red/blue	-	Body ECU, 24 pin plug, pin 11
Right Rear Door Trigger	red/green	-	Body ECU, 24 pin plug, pin 12
Dome Supervision	green/white	-	driver fuse box, top left, 20 pin plug
Trunk/Hatch Pin	red/blue	-	Body ECU, 24 pin plug, pin 7
Rear Glass Pin	N/A		
Hood Pin	blue/black	-	passenger fuse box, top, 25 pin plug
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	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock	use key sense wire		
Trunk Alarm Shunt			
Tachometer	black	ac	data link connector under driver dash, 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	purple	ac	A/C control assembly, 22 pin plug
Brake Wire	green/white	+	brake pedal switch
Parking Brake	red/white	-	driver fuse box, bottom, 42 pin plug
Horn Trigger	green/orange	-	driver fuse box, top, 25 pin plug
Wipers	blue/black (L), blue/red (H)	+	windshield wiper switch
Left Front Window (Up/Down)	yellow - green	A	LF window switch in door
Right Front Window (Up/Down)	yellow - green	A	RF window switch in door
Left Rear Window (Up/Down)	yellow - green	A	LR window switch in door
Right Rear Window (Up/Down)	yellow - green	A	RR window switch in door
Sun Roof (Open/Close)	motor part of module		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	N/A		
Memory Seat 2	N/A		
Memory Seat 3	N/A		
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	black/red	+	radio harness
Power Antenna	black/red	+	radio harness
Left Front Speaker (+/-)	pink - purple	+,-	amplifier under passenger seat
Right Front Speaker (+/-)	lt. green - blue	+,-	amplifier under passenger seat
Left Rear Speaker (+/-)	black - yellow	+,-	amplifier under passenger seat
Right Rear Speaker (+/-)	red - white	+,-	amplifier under passenger seat
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	double DIN		center of dash
Left Front Speaker	6.5	1.75	left front door
Left Front Tweeter			
Right Front Speaker	6.5	1.75	right front door
Right Front Tweeter			
Left Rear Speaker	4	1.75	left rear door
Left Rear Tweeter			
Right Rear Speaker	4	1.75	right rear door
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
Key Sense	Using the status output to trigger this wire during remote start will disarm the factory alarm without unlocking the doors.
Parking Lights (+)	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Parking Lights (-)	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Headlight	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Trunk/Hatch Pin	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Power Lock	Meter this wire while turning the key in the passenger door or rear hatch key cylinder. The driver door key cylinder lock wire is blue/white (-) at the driver door ECU in the door.
Driver Unlock Motor	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Left Front Door Trigger	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Power Unlock	Meter this wire while turning the key in the passenger door or rear hatch key cylinder. The driver door key cylinder unlock wire is green/black (-, double pulse) at the driver door ECU in the door.
Data Bus	The Immobilizer Module is around the ignition key switch. The IMO wire is yellow at the ECM, second plug from bottom, pin 15. The IMI wire is white at the ECM, second plug from bottom, pin 16. The ECM (Engine Control Module) is behind the glove box. The security light wire is green/red (+) at the security light or at the passenger side fuse box, gray 42 pin plug, pin 27.
Right Front Door Trigger	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Left Rear Door Trigger	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Right Rear Door Trigger	The Body ECU is attached to the back of the fuse box in the driver kick panel.
Can Bus sw	Also found at the Body ECU, 30 pin plug, pin 24. The Body ECU is attached to the back of the fuse box, in the driver kick panel.