2008 Toyota Land Cruiser

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	black (150A)	+	driver dash fuse box, white 1 pin plug (2A), pin 1
Second 12 Volts	N/A		
Starter	black (SS1), black (SS2)	-	Body ECU, white 26 pin plug, pins 17 and 16
Second Starter	red	+	Body ECU, white 10 pin plug, pin 4
Ignition	black	+	Body ECU, white 28 pin plug, pin 11
Second Ignition	green	+	Body ECU, white 26 pin plug, pin 3
Third Ignition	N/A		
Accessory	pink	+	Body ECU, white 26 pin plug, pin 22
Second Accessory	N/A		
Third Accessory	N/A		
Key Sense	N/A		
Data Bus	green (RX), lt. blue (TX)	data	Engine Switch, black 14 pin plug, pins 10 and 9
Can Bus High	gray	data	Body ECU, white 16 pin plug, pin 16
Can Bus Low	red	data	Body ECU, white 16 pin plug, pin 15
Can Bus Sw	N/A		
Power Lock	red (passenger door lock switch)	-	driver dash fuse box, rear, white 66 pin plug (2D), pin 49
Power Unlock	green (passenger door lock switch)	-	driver dash fuse box, rear, white 66 pin plug (2D), pin 52
Lock Motor	blue	5 wire	driver dash fuse box, white 24 pin plug (2C), pin 24
Unlock Motor	black	5 wire	Body ECU, white 26 pin plug, pin 5
Disarm Defeat	black	5 wire	driver dash fuse box, white 24 pin plug (2C), pin 23
Parking Lights (+)	green	+	driver dash fuse box, white 24 pin plug (2C), pin 22
Parking Lights (-)	purple	-	headlight switch or Body ECU, white 26 pin plug, pin 23
Hazards	orange	-	Body ECU, white 16 pin plug, pin 4
Turn Signal (Left)	blue	+	turn signal flasher, black 8 pin plug, pin 3
Turn Signal (Right)	red	+	turn signal flasher, black 8 pin plug, pin 2

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Headlight	red	-	headlight switch or Body ECU, white 28 pin plug, pin 17
AutoLights	green (interrupt to turn off autolights)	-	headlight sw or Body ECU, white 26 pin plg, pin 21
Reverse Light	blue	+	driver kick, blue 56 pin plug, pin 19
Left Front Door Trigger	blue	-	Body ECU, white 26 pin plug, pin 24
Right Front Door Trigger	yellow	-	Body ECU, white 28 pin plug, pin 21
Left Rear Door Trigger	white	-	driver dash fuse box, white 24 pin plg (2C), pin 2
Right Rear Door Trigger	green	-	Body ECU, white 28 pin plug, pin 7
Dome Supervision	green	-	driver dash fuse box, rear, white 66 pin plug (2D), pin 51
Trunk/Hatch Pin	white	-	Body ECU, white 28 pin plug, pin 25
Rear Glass Pin	N/A		
Hood Pin	white	-	left of steering column, white 78 pin plug, pin 20
Trunk Hatch/Release	blue (rear handle switch)	-	Body ECU, white 26 pin plug, pin 26
Trunk Release Motor	blue	5 wire	Body ECU, white 26 pin plug, pin 1
Fuel Door Release	N/A		
Power Sliding Door (Left)	N/A		
Power Sliding Door (Right)	N/A		
Factory Alarm Arm	lt. green (driver door key cylinder)	-	driver dash fuse box, rear, white 66 pin plug (2D), pin 53
Factory Alarm Disarm	yellow (driver door key cylinder)	double -	Body ECU, white 26 pin plug, pin 10
Disarm No Unlock	Smart Key and ignition		
Trunk Alarm Shunt	N/A		
Tachometer	white	ac	data link conn, wht 16 pin plg, pin 9 or BECU, wht 16 pin plg, pin 8
Wait to Start	N/A		
Neutral Safety	N/A		
Clutch Pedal	N/A		
Fuel Pump	green or black	+	driver kick, harness to rear
Rear Defroster	green	- latched	left of steering column, white 78 pin plug, pin 5
Mirror Defroster	same as rear defroster		
Left Front Heated Seat	black	+	seat heater switch, white 8 pin plug, pin 4
Right Front Heated Seat	black	+	seat heater switch, white 8 pin plug, pin 6

Wiring Information (Continued)

Item	Wire Color	Polarity	Wire Location
Speed Sense	purple	ac	amplifier, wht 24 pin plug, pin 11 or BECU, wht 16 pin plug, pin 9
Brake Wire	red	+	brake switch or driver dash fuse box, white 24 pin plug (2B), pin 22
Parking Brake	yellow	-	driver dash fuse box, rear, white 66 pin plug (2D), pin 22
Horn Trigger	red/white	-	driver dash fuse box, white 24 pin plug (2B), pin 1
Wipers	green (low), red (high), black (ignition)	+	wiper switch, white 10 pin plug, pins 3, 4, and 2
Left Front Window (Up/Down)	use factory alarm arm/disarm		
Right Front Window (Up/Down)	see left front window		
Left Rear Window (Up/Down)	see left front window		
Right Rear Window (Up/Down)	see left front window		
Sun Roof (Open/Close)	use factory alarm arm/disarm		
Sun Roof (Limit/Close)	N/A		
Memory Seat 1	green	-	seat memory switch, black 8 pin plug, pin 4
Memory Seat 2	white	-	seat memory switch, black 8 pin plug, pin 3
Memory Seat 3	red	-	seat memory switch, black 8 pin plug, pin 2
Radio 12V	blue	+	radio, white 20 pin plug, pin 1
Radio Ground	brown	-	radio, white 20 pin plug, pin 20
Radio Ignition	gray	+	radio, white 20 pin plug, pin 11
Radio Illumination	green (parking lights), white (dimmer)	+,-	radio, white 20 pin plug, pins 2 and 12
Factory Amp Turn-on	N/A		
Power Antenna	pink	+	radio, white 20 pin plug, pin 13
Left Front Speaker (+/-)	pink - purple (woofer); white - black (tweeter)	+,-	amplifier, wht 10 pin plug, pins 1, 5; wht 12 pin plug, pins 3, 8
Right Front Speaker (+/-)	lt. green - blue (woofer); white - black (tweeter)	+,-	amplifier, wht 10 pin plug, pins 2, 6; wht 12 pin plug, pins 10, 9
Left Rear Speaker (+/-)	white - black (door); white - black (liftgate)	+,-	amplifier, wht 12 pin plug, pins 4, 11; wht 10 pin plug, pins 8, 7
Right Rear Speaker (+/-)	white - black (door); white - black (liftgate)	+,-	amplifier, wht 12 pin plug, pins 5, 12; wht 12 pin plug, pins 2, 7
Center Channel (+/-)	white - black	+,-	amplifier, white 10 pin plug, pins 3 and 9
Subwoofer (+/-)	white - black (1); red - white (2)	+,-	amplifier, wht 12 pin plug, pins 1, 6; wht 10 pin plug, pins 4, 10
Aux. Audio Input Left (+/-)	black - red	+,-	radio, white 20 pin plug, pins 17 and 16
Aux. Audio Input Right (+/-)	white - red	+,-	radio, white 20 pin plug, pins 15 and 16
RSE Video (+/-)	white - black	+,-	radio, white 8 pin plug, pins 1 and 2
RSE Audio Left (+/-)	blue - red	+,-	radio, white 12 pin plug, pins 4 and 5

RSE Audio Right (+/-)	black - white	+,-	radio, white 12 pin plug, pins 2 and 3
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 x 9		left front door
Left Front Tweeter	0.7 (pillar), 3.1 (dash)		left front pillar, left front dash
Right Front Speaker	6 x 9		right front door
Right Front Tweeter	0.7 (pillar), 3.1 (dash)		right front pillar, right front dash
Left Rear Speaker	6.5		left rear door
Left Rear Tweeter	0.7 (door), 3.1 (liftgate)		left rear door, left rear liftgate
Right Rear Speaker	6.5		right rear door
Right Rear Tweeter	0.7 (door), 3.1 (liftgate)		right rear door, right rear liftgate
Center Channel	3.1		top center of dash
Subwoofer	10		right rear quarter panel
Left Front Headrest			
Right Front Headrest			
Left Right Headrest			
Right Rear Headrest			
Satellite Radio Tuner			under passenger seat

Additional Wiring Notes

Item	Note
Aux. Audio Input Left (+/-)	On vehicles with multi-display, they are in the blue 6 pin plug, pins 3 and 5.
Aux. Audio Input Right (+/-)	On vehicles with multi-display, they are in the blue 6 pin plug, pins 2 and 5.
Tachometer	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Starter	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Ignition	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Second Ignition	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Accessory	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Second Starter	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Left Front Door Trigger	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Right Front Door Trigger	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Right Rear Door Trigger	The Body ECU is under the driver dash, attached to the driver dash fuse box.
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.
Factory Alarm Arm	This wire will also lock the doors.
Factory Alarm Disarm	The Body ECU is under the driver dash, attached to the driver dash fuse box. This wire will also unlock the doors.
Driver Unlock Motor	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Trunk/Hatch Pin	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Trunk Release Motor	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Parking Lights (-)	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Trunk Hatch/Release	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Hazards	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Turn Signal (Left)	The turn signal flasher is to the left of the steering column.
Turn Signal (Right)	The turn signal flasher is to the left of the steering column.
Headlight	The Body ECU is under the driver dash, attached to the driver dash fuse box.
AutoLights	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Speed Sense	The Body ECU is under the driver dash, attached to the driver dash fuse box. The amplifier is under the driver seat.
Left Front Speaker (+/-)	The amplifier is under the driver seat.
Data Bus	The immobilizer light is purple (+) at the clock, white 12 pin plug, pin 9 or multi-display, white 26 pin plug, pin 19. The IMO - IMI wires are white - red, behind the glove box, white 78 pin plug, pins 27 and 28.
Can Bus High	The Body ECU is under the driver dash, attached to the driver dash fuse box.
Can Bus Low	The Body ECU is under the driver dash, attached to the driver dash fuse box.