2007 Toyota Land Cruiser - North America

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
Ignition	black/red	+	ignition harness
Second Ignition	blue/black	+	ignition harness
Accessory	black	+	ignition harness
Keysense	red/black	-	ignition harness
CAN Bus High	blue	data	data link connector, 16 pin plug, pin 6
CAN Bus Low	white	data	data link connector, 16 pin plug, pin 14
RX DATA	blue/black	data	Immobilizer Module on ignition switch, 7 pin plug, pin 4
TX DATA	purple/green	data	Immobilizer Module on ignition switch, 7 pin plug, pin 5
IMMO Data	yellow (IMO)	data	ECM behind glove box, second plug from bottom, pin 15
IMMO Data 2	white (IMI)	data	ECM behind glove box, second plug from bottom, pin 16
Security Light	green/red	+	security light or passenger fuse box, gray 42 pin plug, pin 27
Door Lock Data	black	data	driver kick, 20 pin plug, pin 11 or Body ECU on back of driver fuse box, 30 pin plug, pin 24
Power Lock	blue/white (passenger door or rear hatch key cylinder)	-	driver fuse box, bottom, 42 pin plug
Power Unlock	green/black (passenger door or rear hatch key cylinder)	-	driver fuse box, bottom, 42 pin plug
Lock Motor	purple	5 wire	driver fuse box, bottom, 11 pin plug
Driver Unlock Motor	blue/black	5 wire	Body ECU on back of driver fuse box, 30 pin plug, pin 10
Passenger Unlock Motor	blue/black	5 wire	driver fuse box, left side, 12 pin plug
Factory Alarm Arm	arms with lock		
Factory Alarm Disarm	disarms with unlock		
Disarm No Unlock	use key sense wire		

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Item	Wire Color	Polarity	Wire Location
Parking Lights (+)	green	+	Body ECU on back of driver fuse box, 30 pin plug, pin 28
Parking Lights (-)	green/black	-	switch or Body ECU on back of driver fuse box, 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
Headlight	red/white	-	switch or Body ECU on back of driver fuse box, 26 pin plug, pin 1
Reverse Light	red/black	+	driver fuse box, bottom, 42 pin plug
Left Front Door Trigger	red/yellow	-	Body ECU on back of driver fuse box, 24 pin plug, pin 23
Right Front Door Trigger	red/black	-	Body ECU on back of driver fuse box, 24 pin plug, pin 24
Left Rear Door Trigger	red/blue	-	Body ECU on back of driver fuse box, 24 pin plug, pin 11
Right Rear Door Trigger	red/green	-	Body ECU on back of driver fuse box, 24 pin plug, pin 12
Dome Light	green/white	-	driver fuse box, top left, 20 pin plug
Trunk/Hatch Pin	red/blue	-	Body ECU on back of driver fuse box, 24 pin plug, pin 7
Hood Pin	blue/black	-	passenger fuse box, top, 25 pin plug
Tachometer	black	ac	data link connector, 16 pin plug, pin 9
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

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Item	Wire Color	Polarity	Wire Location
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		
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

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What Fits

Item	Size	Depth	Location
Headunit	double DIN		center of dash
Left Front Speaker	6.5	1.75	left front door
Right Front Speaker	6.5	1.75	right front door
Left Rear Speaker	4	1.75	left rear door
Right Rear Speaker	4	1.75	right rear door

Additional Wiring Notes

Item	Note
Power Lock	The driver door key cylinder lock wire is blue/white (-) at the driver door ECU in the door.
Power Unlock	The driver door key cylinder unlock wire is green/black (-, double pulse) at the driver door ECU in the door.