

# DirectWire

2022 Toyota Land Cruiser 150 (Smart Key) EU - International - Requested by ampire.de

## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	White (80A)	+	Dash Fuse Box, gray 1 pin plug (2F), pin 1
Second 12 Volts	Pink (7.5A)	+	Certification ECU right of steering column, top black 24 pin plug, pin 10
Ground 2	Brown	-	Certification ECU right of steering column, top black 24 pin plug, pin 11
Starter	Blue	+	Certification ECU right of steering column, white 16 pin plug, pin 10
Ignition	Blue	+	Certification ECU right of steering column, white 16 pin plug, pin 3
Accessory	Black	+	Certification ECU right of steering column, top black 24 pin plug, pin 9
Ignition Interrupt	Blue	Cut	Certification ECU right of steering column, white 16 pin plug, pin 3
Telematics Interrupt	Pink	Cut	Dash Fuse Box, rear, white 56 pin plug (2I), pin 53
PTS 1	Gray	-	Engine Start Stop Switch, black 10 pin plug, pin 5
PTS 2	Blue	-	Engine Start Stop Switch, black 10 pin plug, pin 1
PTS 3	Gray (PTS 1 alternate)	-	Certification ECU right of steering column, top black 24 pin plug, pin 16
PTS 4	Blue (PTS 2 alternate)	-	Certification ECU right of steering column, top black 24 pin plug, pin 18
SLP	Red	-	Steering Lock Actuator on steering column, black 7 pin plug, pin 4

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SLP 2	Red	-	Certification ECU right of steering column, top black 24 pin plug, pin 23
CAN Bus High	Green	Data	Body ECU on dash fuse box, white 30 pin plug, pin 14
CAN Bus Low	White	Data	Body ECU on dash fuse box, white 30 pin plug, pin 13
CAN Bus High 2	Lt. Green (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 6
CAN Bus Low 2	White (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 14
CAN Bus High 3	Black	Data	Certification ECU right of steering column, top black 24 pin plug, pin 7
CAN Bus Low 3	White	Data	Certification ECU right of steering column, top black 24 pin plug, pin 8
OBD 12 Volts	Blue (7.5A)	+	OBD-Data Link Connector, white 16 pin plug, pin 16
OBD Ground	White/Black	-	OBD-Data Link Connector, white 16 pin plug, pin 4
IMMO Data	White (IMO)	Data	Behind Glove Box, white 78 pin plug, pin 27
IMMO Data 2	Pink (IMI)	Data	Behind Glove Box, white 78 pin plug, pin 28
Driver LF Antenna	Blue	RF	Driver Kick, blue 20 pin plug (IE5), pin 9
Driver LF Antenna 2	Blue	RF	Certification ECU right of steering column, top black 24 pin plug, pin 4
Passenger LF Antenna	Blue	RF	Passenger Kick, blue 20 pin plug (IE2), pin 9
Passenger LF Antenna 2	Blue	RF	Certification ECU right of steering column, top black 24 pin plug, pin 2
Rear LF Antenna	Green	RF	Driver Kick, white 78 pin plug (EK2), pin 37

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Rear LF Antenna 2	Green	RF	Certification ECU right of steering column, middle black 24 pin plug, pin 2
Rear Handle Switch	Blue	-	Driver Kick, white 78 pin plug (EK2), pin 28
Rear Handle Switch 2	Blue	-	Certification ECU right of steering column, middle black 24 pin plug, pin 5
Security Light	Violet	+	Certification ECU right of steering column, top black 24 pin plug, pin 19
Power Lock	Blue (passenger switch)	-	Dash Fuse Box, rear, white 32 pin plug (2J), pin 26
Power Unlock	Lt. Green (passenger switch)	-	Dash Fuse Box, rear, white 32 pin plug (2J), pin 21
Lock Motor	Red	Reverse	Driver Kick, white 18 pin plug, pin 11
Driver Unlock Motor	Blue	Reverse	Driver Kick, white 18 pin plug, pin 9
Passenger Unlock Motor	Lavender/Pink	Reverse	Dash Fuse Box, white 36 pin plug (2K), pin 9
Factory Alarm Arm	Green (key lock)	-	Body ECU on dash fuse box, white 30 pin plug, pin 29
Factory Alarm Disarm	Pink (key unlock)	Double -	Body ECU on dash fuse box, white 30 pin plug, pin 2
Parking Lights	Green	+	Dash Fuse Box, white 36 pin plug (2K), pin 3
Parking Lights -	Black	-	Body ECU on dash fuse box, white 30 pin plug, pin 22
Hazards	Pink	-	Multi-Display Assembly, white 12 pin plug, pin 12
Turn Signal (Left)	Blue	+	Driver Kick, white/blue 56 pin plug, pin 21
Turn Signal (Right)	Red	+	Passenger Kick, white 78 pin plug, pin 47

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Headlight	Red	-	Body ECU on dash fuse box, white 30 pin plug, pin 12
AutoLights	Pink	Cut	Body ECU on dash fuse box, white 30 pin plug, pin 8
Reverse Light	Blue	+	Driver Kick, white/gray 59 pin plug, pin 40
Left Front Door Trigger	Violet	-	Body ECU on dash fuse box, white 30 pin plug, pin 6
Right Front Door Trigger	Violet	-	Body ECU on dash fuse box, white 30 pin plug, pin 27
Left Rear Door Trigger	Tan	-	Dash Fuse Box, white 36 pin plug (2K), pin 34
Right Rear Door Trigger	Tan	-	Dash Fuse Box, rear, white 32 pin plug (2J), pin 29
Dome Light	Lt. Blue	-	Dash Fuse Box, rear, white 32 pin plug (2J), pin 30
Trunk/Hatch Pin	White	-	Dash Fuse Box, white 36 pin plug (2K), pin 31
Hood Pin	Blue	- N.C.	Body ECU on dash fuse box, white 30 pin plug, pin 11
Power Liftgate	Black	-	Body ECU on dash fuse box, white 28 pin plug, pin 5
Trunk/Hatch Release	Blue (rear handle switch)	-	Driver Kick, white 78 pin plug, pin 28
Trunk Release Motor	Green	Reverse	Dash Fuse Box, white 36 pin plug (2K), pin 8
Tachometer	White	AC	OBD-Data Link Connector, white 16 pin plug, pin 9
Fuel Pump	Black	+	Driver Kick, harness to rear
Rear Defroster	Green	- Latched	Left of Steering Column, white 78 pin plug, pin 5

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Wiper Deicer	Gray	- Latched	Left of Steering column, white 78 pin plug, pin 13
Left Front Heated Seat	White	+	Driver Kick, white 78 pin plug, pin 64
Right Front Heated Seat	White	+	Passenger Kick, white 78 pin plug, pin 27
Speed Sense	Blue	AC	Radio, white 59 pin plug, pin 56
Brake Wire	Red	+	Certification ECU right of steering column, white 16 pin plug, pin 2
Parking Brake	Gray	-	Dash Fuse Box, rear, white 32 pin plug (2J), pin 25
Horn Trigger	Blue	-	Dash Fuse Box, white 32 pin plug (2H), pin 27
Wipers	Green (LO); Red (HI); Black (ignition)	+	Wiper Switch, white 10 pin plug, pin 3 (LO); pin 4 (HI); pin 2 (ignition)
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	Violet	+	Radio, white 59 pin plug, pin 17
Radio Ground	White/Black	-	Radio, white 59 pin plug, pin 12
Radio Ignition	Tan	+	Radio, white 59 pin plug, pin 16
Radio Illumination	Green (parking lights); White (dimmer)	+,-	Radio, white 59 pin plug, pin 14 (parking lights); pin 13 (dimmer)
Left Front Speaker - With Amp	Pink - Violet	+,-	Amplifier under driver seat, white 30 pin plug, pins 4 - 19
Right Front Speaker - With Amp	Lt. Green - Blue	+,-	Amplifier under driver seat, white 30 pin plug, pins 5 - 20

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Left Front Tweeter - With Amp	Black - White (midrange/tweeter)	+,-	Amplifier under driver seat, white 30 pin plug, pins 12 - 27
Right Front Tweeter - With Amp	Black - White (midrange/tweeter)	+,-	Amplifier under driver seat, white 30 pin plug, pins 13 - 28
Left Rear Speaker - With Amp	White - Black	+,-	Amplifier under driver seat, white 30 pin plug, pins 14 - 29
Right Rear Speaker - With Amp	White - Black	+,-	Amplifier under driver seat, white 30 pin plug, pins 15 - 30
Left Rear Surround - With Amp	White - Black	+,-	Amplifier under driver seat, white 30 pin plug, pins 10 - 25
Right Rear Surround - With Amp	White - Black	+,-	Amplifier under driver seat, white 30 pin plug, pins 11 - 26
Center Channel - With Amp	White - Black	+,-	Amplifier under driver seat, white 30 pin plug, pins 7 - 22
Subwoofer - With Amp	White - Black (coil 1); Red - White (coil 2)	+,-	Amplifier under driver seat, white 30 pin plug, pins 6 - 21 (coil 1); pins 8 - 23 (coil 2)
Aux. Audio Input Left (+/-)	Black - Red	+,-	Radio, white 16 pin plug, pins 8 - 15
Aux. Audio Input Right (+/-)	White - Red	+,-	Radio, white 16 pin plug, pins 7 - 15
RSE Video (+/-)	(digital video); Red - Blue (aux. video)	+,-	Radio, white 16 pin plug, pins 6 - 14