

# DirectWire

2025 Toyota Land Cruiser (Smart Key) EU - International - Requested by ampire.de

## Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	White (80A)	+	Passenger Dash Fuse Box, black 1 pin plug (A8), pin 1
Second 12 Volts	Red (20A)	+	Driver Kick, door harness, white 28 pin plug (E191), pin 5
12 Volts 3	Red (7.5A)	+	Certification ECU above driver kick, top white 30 pin plug, pin 6
Ground 2	White/Black	-	Certification ECU above driver kick, top white 30 pin plug, pin 29
Starter	Red	+	Certification ECU above driver kick, bottom white 30 pin plug, pin 3
Ignition	Green	+	Certification ECU above driver kick, bottom white 30 pin plug, pin 24
Second Ignition	Lt. Green	+	Certification ECU above driver kick, bottom white 30 pin plug, pin 11
Accessory	Black	+	Certification ECU above driver kick, top white 30 pin plug, pin 21
Telematics Interrupt	Lt. Blue	Cut	Passenger Dash Fuse Box, rear gray 45 pin plug (E2), pin 8
Telematics Interrupt 2	Lt. Blue (alternate location)	Cut	Telematics Transceiver in front of shifter, gray 34 pin plug, pin 1
PTS 1	Gray	-	Certification ECU above driver kick, top white 30 pin plug, pin 19
PTS 2	Violet	-	Certification ECU above driver kick, top white 30 pin plug, pin 27
PTS 3	Tan	-	Certification ECU above driver kick, top white 30 pin plug, pin 23

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CAN Bus High	Black	Data	Certification ECU above driver kick, top white 30 pin plug, pin 1
CAN Bus Low	White	Data	Certification ECU above driver kick, top white 30 pin plug, pin 2
CAN Bus High 2	Pink	Data	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 2
CAN Bus Low 2	White	Data	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 1
CAN Bus High 3	Lt. Green (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 6
CAN Bus Low 3	White (DIAG CAN)	Data	OBD-Data Link Connector, white 16 pin plug, pin 14
OBD 12 Volts	Gray (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	Yellow (IMO)	Data	Top of Driver Kick, gray 63 pin plug (AE4), pin 56
IMMO Data 2	Lt. Blue (IMI)	Data	Top of Driver Kick, gray 63 pin plug (AE4), pin 55
IMMO Antenna	Green - Pink	RF	Push Start Switch, black 12 pin plug, pins 1 - 7
IMMO Antenna 2	Green - Pink	RF	Certification ECU above driver kick, top white 30 pin plug, pins 12 - 13
Driver LF Antenna	Blue	RF	Driver Kick, door harness, yellow 26 pin plug (E192), pin 22
Driver LF Antenna 2	Blue	RF	Certification ECU above driver kick, top white 30 pin plug, pin 16
Passenger LF Antenna	Black	RF	Passenger Kick, door harness, yellow 26 pin plug (E190), pin 22
Passenger LF Antenna 2	Black	RF	Certification ECU above driver kick, top white 30 pin plug, pin 10

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Rear LF Antenna	Blue	RF	Passenger Kick, white 62 pin plug (EK2), pin 58
Rear LF Antenna 2	Blue	RF	Certification ECU above driver kick, middle white 27 pin plug, pin 4
Rear Handle Switch	Pink	-	Passenger Kick, gray 63 pin plug (EK1), pin 37
Rear Handle Switch 2	Pink	-	Certification ECU above driver kick, middle white 27 pin plug, pin 16
Security Light	Pink	+	Certification ECU above driver kick, top white 30 pin plug, pin 25
RDA	Lt. Green	Data	Certification ECU above driver kick, middle white 27 pin plug, pin 11
Power Lock2	Blue (passenger switch) (if needed)	-	Body ECU on passenger dash fuse box, white 27 pin plug, pin 6
Power Unlock2	Lt. Green (passenger switch) (if needed)	-	Body ECU on passenger dash fuse box, white 27 pin plug, pin 7
Lock Motor	Black	Reverse	Driver Kick, door harness, yellow 26 pin plug (E192), pin 6 --or-- Passenger Dash Fuse Box, rear gray 45 pin plug (E2), pin 19
Driver Unlock Motor	Blue	Reverse	Driver Kick, door harness, yellow 26 pin plug (E192), pin 5 --or-- Passenger Dash Fuse Box, rear gray 45 pin plug (E2), pin 20
Passenger Unlock Motor	Blue	Reverse	Passenger Dash Fuse Box, rear white 43 pin plug (E3), pin 40
Factory Alarm Arm	Blue (key lock)	-	Driver Kick, door harness, yellow 26 pin plug (E192), pin 14
Factory Alarm Disarm	Blue (key unlock)	Double -	Driver Kick, door harness, yellow 26 pin plug (E192), pin 15
Factory Alarm Arm2	Blue (alternate location)	-	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 28

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Factory Alarm Disarm2	Blue (alternate location)	Double -	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 4
Parking Lights	Green (LR-RR)	+	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 30
Parking Lights -	Green	-	Headlight Switch, white 40 pin plug, pin 3
Hazards	Gray	-	Hazard Switch, black 8 pin plug, pin 6
Turn Signal (Left)	Pink (LF); Yellow (LR)	+	Top of Driver Kick, gray 63 pin plug (AE4), pin 4 (LF); Passenger Kick, white 62 pin plug (EK2), pin 5 (LR)
Turn Signal (Right)	Lt. Blue (RF); Lt. Blue (RR)	+	Top of Passenger Kick, gray 63 pin plug (AE1), pin 13 (RF); Passenger Kick, gray 8 pin plug (EK4), pin 4 (RR)
Headlight	Red	-	Headlight Switch, white 40 pin plug, pin 4
Headlight 2	Red (alternate)	-	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 26
AutoLights	Yellow	Cut	Headlight Switch, white 40 pin plug, pin 5
Reverse Light	Gray	+	Top of Driver Kick, gray 63 pin plug (AE4), pin 6
Reverse Light 2	Lt. Green (alternate location)	+	Radio, white 28 pin plug, pin 5
Left Front Door Trigger	Green	-	Driver Kick, door harness, yellow 26 pin plug (E192), pin 21
Left Front Door Trigger 2	Green (alternate location)	-	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 3
Right Front Door Trigger	Gray	-	Passenger Dash Fuse Box, rear white 43 pin plug (E3), pin 9
Left Rear Door Trigger	Gray	-	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 28
Right Rear Door Trigger	White	-	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 1

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Dome Light	Pink	-	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 5
Trunk/Hatch Pin	Green	-	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 2
Rear Glass Pin	Violet	-	Body ECU on passenger dash fuse box, top black 30 pin plug, pin 19
Hood Pin	Blue	- N.C.	Body ECU on passenger dash fuse box, bottom black 30 pin plug, pin 27
Power Liftgate	Black	-	Power Liftgate Switch, white 6 pin plug, pin 5
Power Liftgate 2	Black (alternate location)	-	Body ECU on passenger dash fuse box, white 27 pin plug, pin 21
Trunk/Hatch Release	Pink (rear handle switch)	-	Certification ECU above driver kick, middle white 27 pin plug, pin 16
Trunk-Hatch Release2	Lt. Green (glass hatch) (rear handle switch)	-	Body ECU on passenger dash fuse box, top black 30 pin plug, pin 9
Trunk Release Motor	Green (w/o power liftgate)	Reverse	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 42
Fuel Door Release	Blue	-	Fuel Lid Opener Switch, gray 6 pin plug, pin 5
Fuel Door Release 2	Lt. Green (alternate location)	-	Top of Driver Kick, gray 63 pin plug (AE4), pin 49
Tachometer 2	Gray	AC	Certification ECU above driver kick, bottom white 30 pin plug, pin 15
Tachometer 3	Violet	AC	Camshaft Position Sensor, engine passenger side front, black 3 pin plug, pin 1
Tachometer 4	Tan (with ANC)	AC	Top of Driver Kick, gray 63 pin plug (AE4), pin 21
Fuel Pump	Black	+	High Above Driver Kick, towards firewall, white 1 pin plug (AL2), pin 1
Rear Defroster	Black	+ Latched	Passenger Dash Fuse Box, white 43 pin plug (K5), pin 43

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Mirror Defroster	Pink (w/o memory); (CAN with memory)	+ Latched	Passenger Dash Fuse Box, rear gray 45 pin plug (E2), pin 2
Wiper Deicer	Gray	- Latched	Top of Passenger Kick, gray 63 pin plug (AE1), pin 24
Speed Sense	Black	AC	Radio, white 28 pin plug, pin 8
Speed Sense 2	Black (alternate location) (with amplifier)	AC	Driver Kick, white 62 pin plug (EL2), pin 55
Speed Sense 3	Pink (alternate)	AC	Certification ECU above driver kick, bottom white 30 pin plug, pin 13
Brake Wire	Violet	+	Certification ECU above driver kick, bottom white 30 pin plug, pin 21
Brake Wire 2	Red (alternate location)	+	Brake Switch, blue 7 pin plug, pin 3
Parking Brake	Black (EPB)	-	Top of Driver Kick, gray 63 pin plug (AE4), pin 14
Parking Brake 2	Lt. Green (alternate location)	-	Radio, white 28 pin plug, pin 7
Horn Trigger	Red	-	Horn Switch-Clock Spring, black 14 pin plug, pin 7
Horn Trigger 2	White (alternate location)	-	Passenger Dash Fuse Box, white 23 pin plug (A4), pin 11
Horn - Factory Alarm	Lt. Green	-	Passenger Dash Fuse Box, white 23 pin plug (A4), pin 4
Wipers	Green (LO); Red (HI)	-	Headlight Switch, white 40 pin plug, pin 26 (LO); pin 27 (HI)
Wipers Protection	Black (ground)	Cut	Headlight Switch, white 40 pin plug, pin 33
Memory Seat 1	Blue	-	Seat Memory Switch, white 5 pin plug, pin 5
Memory Seat 2	Red	-	Seat Memory Switch, white 5 pin plug, pin 4
Radio 12V	Lt. Blue	+	Radio, white 28 pin plug, pin 4

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Radio Ground	Brown	-	Radio, white 28 pin plug, pin 1
Radio Ignition	Gray	+	Radio, white 28 pin plug, pin 16
Radio Illumination	Green (parking lights); White (dimmer)	+,-	Radio, white 28 pin plug, pin 25 (parking lights); pin 24 (dimmer)
Left Front Speaker (+/-)	Black - Green or Red - White	+,-	Radio, black 10 pin plug, pins 2 - 7
Right Front Speaker (+/-)	Red - White or Green - Black	+,-	Radio, black 10 pin plug, pins 1 - 6
Left Rear Speaker (+/-)	Black - White or White - Black	+,-	Radio, black 10 pin plug, pins 3 - 8
Right Rear Speaker (+/-)	Red - White or Red - Green	+,-	Radio, black 10 pin plug, pins 4 - 9
Left Front Speaker - With Amp	Lavender/Pink - Lavender/Violet	+,-	Amplifier under driver seat, white 30 pin plug, pins 4 - 19 (10-speaker); pins 12 - 27 (14-speaker)
Right Front Speaker - With Amp	Lavender/Lt. Green - Lavender/Blue	+,-	Amplifier under driver seat, white 30 pin plug, pins 5 - 20 (10-speaker); pins 13 - 28 (14-speaker)
Left Front Tweeter - With Amp	Lavender/Pink - Lavender/Violet (dash)	+,-	Amplifier under driver seat, white 30 pin plug, pins 12 - 27 (10-speaker); pins 8 - 23 (14-speaker)
Right Front Tweeter - With Amp	Lavender/Lt. Green - Lavender/Blue (dash)	+,-	Amplifier under driver seat, white 30 pin plug, pins 13 - 28 (10-speaker); pins 9 - 24 (14-speaker)
Left Rear Speaker - With Amp	Lavender/Black - Lavender/Yellow	+,-	Amplifier under driver seat, white 30 pin plug, pins 8 - 23 (10-speaker); pins 14 - 29 (14-speaker)
Right Rear Speaker - With Amp	Lavender/Red - Lavender/White	+,-	Amplifier under driver seat, white 30 pin plug, pins 9 - 24 (10-speaker); pins 15 - 30 (14-speaker)
Left Rear Surround - With Amp	Lavender/Pink - Lavender/Violet (14-speaker)	+,-	Amplifier under driver seat, white 30 pin plug, pins 10 - 25

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Right Rear Surround - With Amp	Lavender/Red - Lavender/White (14-speaker)	+,-	Amplifier under driver seat, white 30 pin plug, pins 11 - 26
Center Channel - With Amp	Lavender/Red - Lavender/White	+,-	Amplifier under driver seat, white 30 pin plug, pins 7 - 22
Subwoofer - With Amp	Lavender/Blue - Lavender/White	+,-	Amplifier under driver seat, white 30 pin plug, pins 6 - 21
Subwoofer - With Amp 2	Lavender/Black - Lavender/White (coil 2, 14-speaker)	+,-	Amplifier under driver seat, white 30 pin plug, pins 5 - 20
Rearview Camera Video	Red - White (8-inch)	+,-	Radio, white 30 pin plug, pins 28 - 29 (8-inch)