## FTI-TLP3: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	ECU	Lights	DCM	Trunk/ Hatch	I/O Changes	
DL-TL7					Park / Auto			Green White/Blue	
Toyota	4Runner PTS AT without Steering Lock Connector	2022-24	Туре 3х	DKP	Yes	Pink (19)	No	X	

This installation requires **BLADE-AL(DL)-TL7** firmware, flash module and update controller before beginning the installation.

Install Type 3X: Harness modification and DCM interface required for the 2022 4Runner without SLC (Steering Lock Connector). Remove the female housing of the SLC connector at the 'Y' of the SLC harness extension, ensure that none of the cut wires are shorting together, insulate and secure. Connect harness red to 12V (pin 8) & pink to IGN (pin 2) of the white 32-pin connector of the Main Body ECU, as illustrated. Connect harness black to chassis ground, harness green/red and the remaining white wires are not connected, insulate and secure for safety.

CAN: Vehicle CAN data is gathered through the 30-pin connection at the Main Body ECU, no other connections are required.

**DCM Interface: Type 3x Install** requires interrupting power to the vehicle telematics module using the **white/black & white/red** BLADE connector relay wires, included in the FTI-TLP3 harness assembly. Connect as illustrated.

**Lights**: Parking light and auto-light control are handled using the pre-terminated **green/white** wire bundled with the **BLADE** connector. Remove the (-) pk light wire from the controllers **gray** I/O connector and replace with the one specified, for status and diagnostic reporting.

**Locks:** This installation type requires additional connections to the vehicle door locks to ensure proper synchronization with the OEM remotes. *The 6-pin lock connector is required for correct operation*. Connect to the control module lock output port.

Idle Mode is not a supported feature of the FTI-TLP3 Harness: The Idle Mode feature which allows the user to exit a running has been excluded from the FTI-TLP3 harness wiring. If this feature is desired, please refer to the full BLADE installation diagram for the applicable wiring and make the required connection to the vehicle PTS button.

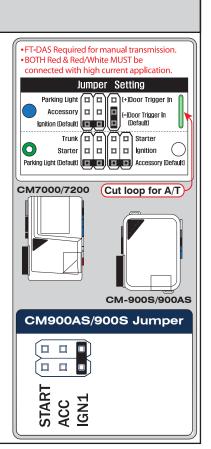
# HARNESS MODIFICATION REQUIRED TAKEOVER NOT SUPPORTED: THE VEHICLE WILL SHUT DOWN UPON OPENING DRIVER'S DOOR

## FTI-TLP3: Installation and Configuration Notes

- A CONNECTION REQUIRED
- **B** CONNECTIONS REQUIRED
- C OPTIONAL CONNECTION
- D CONNECTION REQUIRED
- **E** REQUIRED MODIFICATION

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	FEATURE COVERAGE																				
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IMMOBILIZER DATA	3X LOCK START	TNOO	2000	ARM OEM ALARM	DISARM OEM ALARM	A/M CONTROL FROM OEM REMOTES	A/M RS CONTROL FROM OEM REMOTE	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	TRUNK/HATCH RELEASE	DOOR STATUS	TRUNK STATUS	HOOD STATUS	тасн оитрит	BRAKE STATUS	E-BRAKE STATUS	PARKING LIGHTS	AUTOLIGHT CONTROL		



FTI-TLP3 - DL-TL7 - Type 3x 2022-24 Toyota 4Runner PTS AT w/o SLC F∥RSTECH,LLC. SUPPORT - 1(888) 820-3690, EXT. 203 Remove female housing 2 Connect +12V, IGN, GND 3 Insulate unused wires Connect to harness 32-Pin Connector Main Body Ecu 2 2 **VEHICLE WITHOUT STEERING LOCK** WHITE 32-Pin Connector (1) **Main Body ECU** 1 15 36 (3) DCM +12V white/black white/red = **LED Programming Error Codes** Module LED flashing RED during programming 1x - CAN error, confirm harness configuration 2x - No IGN, confirm IGN power and harness configuration 3x - IMMO/CAN error, confirm harness configuration TAKEOVER NOT SUPPORTED: THE VEHICLE WILL SHUT 4x - No VIN, module may default to base platform #2 5x - Unknown VIN, module may default to base platform #2 **DOWN UPON OPENING DRIVER'S DOOR** 6x - OEM starter detected, cycle IGN, if issue persists,

remove and reprogram

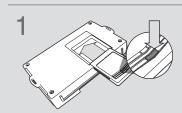


ALL IN ONE LEXUS/TOYO

Patent No. US 8,856,780 CA 2759622

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#### **CARTRIDGE INSTALLATION**



Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

#### MODULE PROGRAMMING PROCEDURE

#### NOTE

I IMPORTANT: The hood must be closed.

1 eggne start x2

Push start button twice [2x] to ON position.

2

Wait, if LED turns solid BLUE for 2 seconds, proceed to step 7.

If LED flashes BLUE rapidly, proceed to step 3.

3 ENGINE START STOP

Push start button once [1x] to OFF position.

4

Wait, LED will turn solid RED. (This may take up to 5 minutes.)

5 ENGINE START STOP X2

Push start button twice [2x] to ON position.

6

Wait, LED will turn solid BLUE for 2 seconds.



Push start button once [1x] to OFF position.

8

Module Programming Procedure completed.