

Make	Model	Year	Install	ECU	Lights	DCM	Trunk/Hatch	I/O Changes
<b>DL-TL7</b> Toyota	4Runner PTS AT without Steering Lock Connector	2022-23	Type 3x	DKP	Park / Auto Yes	Pink (19)	No	Green White/Blue 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



FEATURE COVERAGE																					
IMMOBILIZER DATA	3X LOCK START	PTS CONTROL	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	TACH OUTPUT	BRAKE STATUS	E-BRAKE STATUS	PARKING LIGHTS	AUTO LIGHT CONTROL			

- FT-DAS Required for manual transmission.
- BOTH Red & Red/White MUST be connected with high current application.

**Jumper Setting**

Parking Light Accessory Ignition (Default)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> (+)Door Trigger In (Default)  <input checked="" type="checkbox"/> (-)Door Trigger In (Default)
Trunk Starter Parking Light (Default)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> Starter Ignition Accessory (Default)

**CM7000/7200**

**Cut loop for A/T**

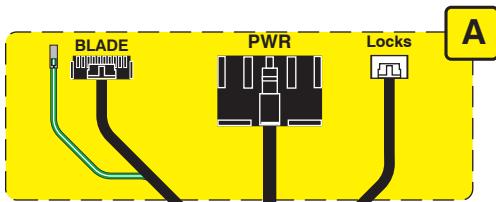
**CM-900S/900AS**

**CM900AS/900S Jumper**

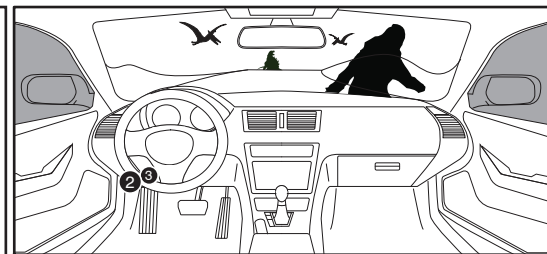
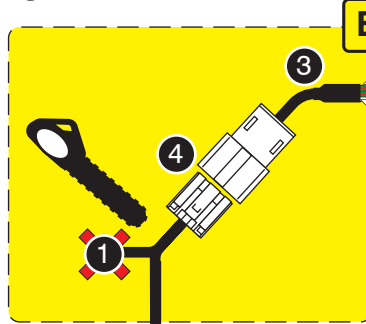
**START**

**ACC**

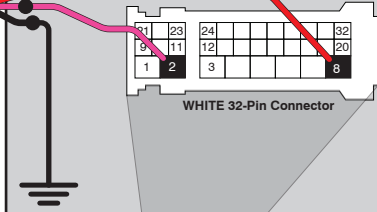
**IGN1**



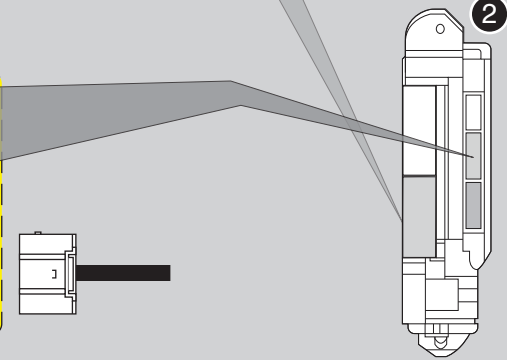
- 1 Remove female housing
- 2 Connect +12V, IGN, GND
- 3 Insulate unused wires
- 4 Connect to harness



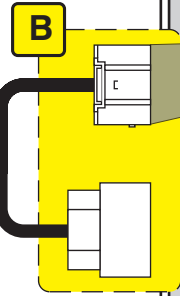
**32-Pin Connector**  
Main Body Ecu **2**  
VEHICLE WITHOUT STEERING LOCK



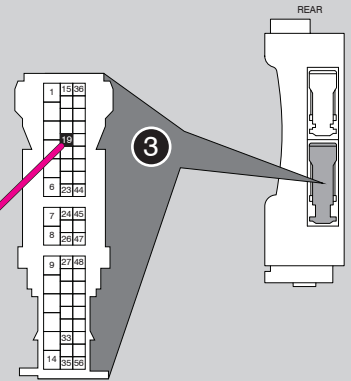
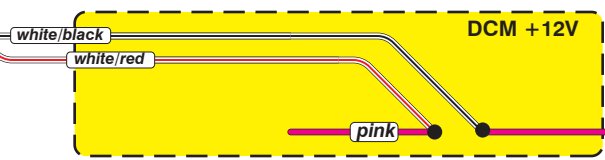
**Main Body ECU** **2**



**C**  
violet/white



**D**



**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
  - 4x - No VIN, module may default to base platform #2
  - 5x - Unknown VIN, module may default to base platform #2
  - 6x - OEM starter detected, cycle IGN, if issue persists, remove and reprogram

**TAKEOVER NOT SUPPORTED: THE VEHICLE WILL SHUT DOWN UPON OPENING DRIVER'S DOOR**

## CARTRIDGE INSTALLATION



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



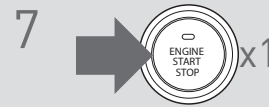
4 Wait, LED will turn solid RED. (This may take up to 5 minutes.)



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



6 Wait, LED will turn solid BLUE for 2 seconds.



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

8

Module Programming Procedure completed.