FTI-TLP2: Vehicle Coverage and Preparation Notes



| MAKE | MODEL | YEAR | INSTALL | PTS | LIGHTS | STARTER | DCM | I/O CHANGES | |
|--------|-------------|------|---------|----------|-------------|---------|-----|------------------|--|
| DL-TL7 | | | | | Park / Auto | | | Green White/Blue | |
| Toyota | RAV4 PTS AT | 2022 | Type 1X | Optional | Type 1 | No | No | n/a | |
| | | | | | | | | | |

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

Install Type 1X: Main Body ECU (driver side kick panel), steering lock connector, no DCM interface required.

Harness Modification Required: The 2022 model year vehicles no longer have an SLC connector. 12V power, ignition, and ground connections require removal of the SLC connector. Connections are as illustrated, 12V is located at pin #5, and ignition is located at pin #13 of the 32 pin MBECU connector, ground is located at pin #4 of the OBD-II connector, and the green/red SLC connection is not required, insulate and secure.

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

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 controller's gray I/O connector and replace with the one specified, for status and diagnostic reporting. Connect to the headlight switch connector [B] as illustrated.

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.

Yellow (starter): The starter wire (yellow) is not used in this install, trim as necessary, then insulate and secure.

Blue/Yellow (PTS): The PTS wire (blue/yellow) is optional. If Idle Mode is not desired, trim as necessary, then insulate and secure.

Idle Mode is not a supported feature of the FTI-TLP2 Harness: The Idle Mode feature which allows the user to exit a running has been excluded from the FTI-TLP2 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.

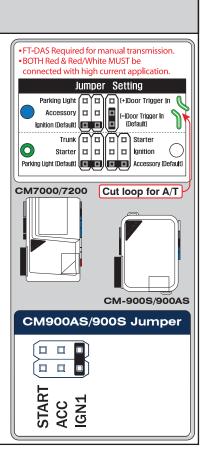
TAKEOVER NOT SUPPORTED: THE VEHICLE WILL SHUT DOWN UPON OPENING DRIVER'S DOOR

FTI-TLP2: Installation and Configuration Notes

- **A** CONNECTIONS REQUIRED
- **B** CONNECTIONS REQUIRED
- **C** OPTIONAL CONNECTION
- D NOT REQUIRED
- X REQUIRED MODIFICATION



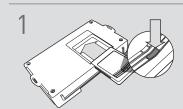
| | FEATURE COVERAGE | | | | | | | | | | | | | | | | | | | |
|------------------|-------------------|-------------|---------------|------------------|-----------------------------------|-----------------------------------|-----------------|-----------|-------------|------------------------|-----------------|------------------|----------------|------------------|----------------|----------------|----------------------|--|--|--|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| IMMOBILIZER DATA | 3X LOCK REM START | PTS CONTROL | ARM OEM ALARM | DISARM OEM ALARM | A/M ALARM CTRL FROM OEM REMOTE | A/M RS CONTROL FROM OEM REMOTE | PRIORITY UNLOCK | роов госк | DOOR UNLOCK | TRUNK/HATCH RELEASE | DOOR STATUS OUT | TRUNK STATUS OUT | TACHOMETER OUT | BRAKE STATUS OUT | E-BRAKE STATUS | PARKING LIGHTS | AUTOLIGHT CONTROL | | | |





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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.



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.



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



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.