

FTI-TLP3: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	ECU	Lights	DCM	Trunk/Hatch	I/O Changes
DL-TL7 Lexus	RX450h PTS AT	2016-22	Type 1s (starter)	DKP	Park / Auto Yes	No	Red (5)	Green White/Blue X

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

Install Type 1S: Main Body ECU, driver side kick panel area, optional trunk/hatch connection, no DCM interface required.

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

Starter: +12V starter connection is required at pin-9 of the 35-pin connector of the Hybrid ECU, please insert the included wire into position #6 of the CN1 connector and 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.**

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** NOT REQUIRED
- E** CONNECTION REQUIRED



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

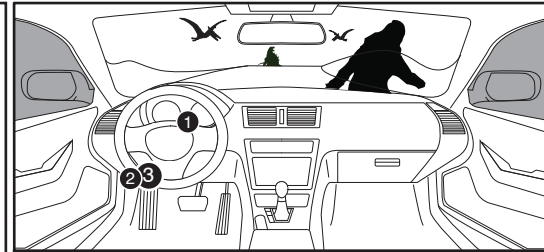
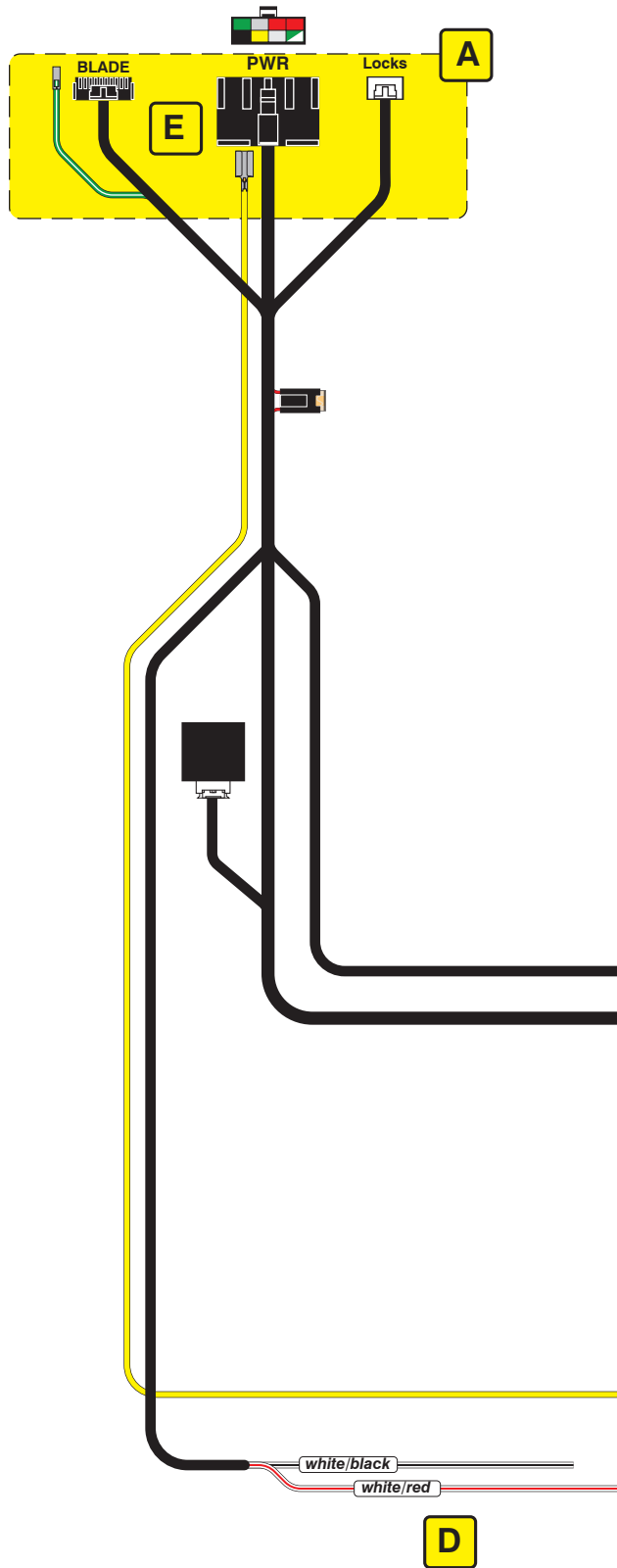
Parking Light Accessory Ignition (Default)	(+)Door Trigger In (-)Door Trigger In (Default)
Trunk Starter Parking Light (Default)	Starter Ignition Accessory (Default)

CM7000/7200 Cut loop for A/T

CM-900S/900AS

CM900AS/900S Jumper

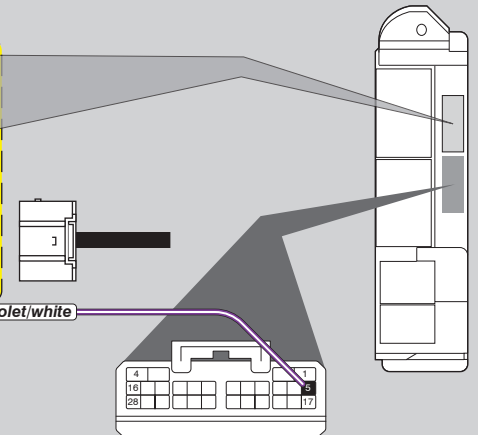
START ACC IGN1



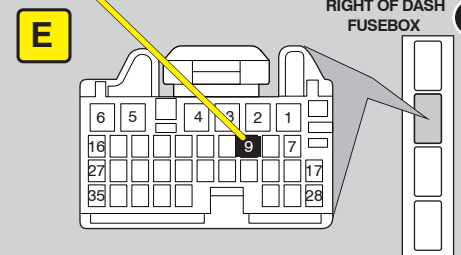
Steering Lock Connector 1



Main Body ECU 2



Hybrid ECU
RIGHT OF DASH
FUSEBOX 3



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.

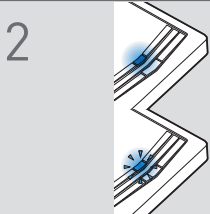
MODULE PROGRAMMING PROCEDURE

NOTE

1 IMPORTANT: The hood must be closed.



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

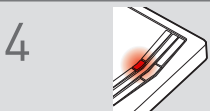


2 Wait, if LED turns solid BLUE for 2 seconds, proceed to step 7.

If LED flashes BLUE rapidly, proceed to step 3.



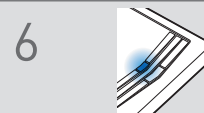
3 Push start button once [1x] to OFF position.



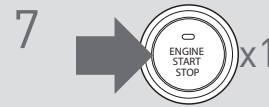
4 Wait, LED will turn solid RED. (This may take up to 5 minutes.)



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.