

# FTI-TLP1 Type 2B - Vehicle Coverage & Preparation Notes

**FTSTECH,LLC.**  
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
<b>DL-TL6</b>					Park / Auto			Green White/Blue
Toyota	Avalon PTS	2016-18	Type 2B	BCM	<b>orange</b>			
Toyota	Corolla PTS	2017-19	Type 2B	BCM	<b>orange</b>			
Toyota	Prius C PTS	2016-18	Type 2B	BCM	<b>orange</b>			
Toyota	Rav4 PTS	2016-18	Type 2B	BCM	<b>orange</b>			

Notes:

**Firmware: BLADE-AL(DL)-TL6**, flash module and update starter before installation

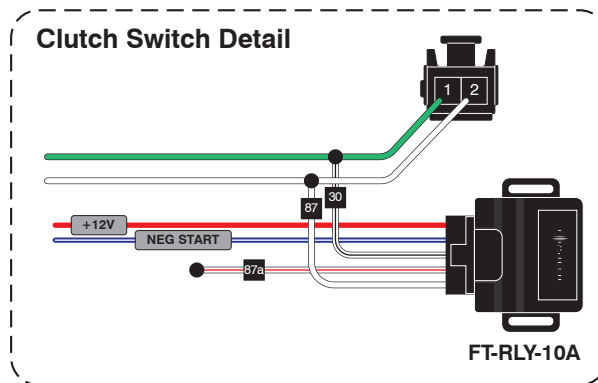
**Install: Type 2B** vehicles require use of DL-TL6 firmware and connections marked TL6 (BLADE, Pk Light, and intermediate harness configuration connector), using any other connections labeled TL2 or TL7 will result in malfunction.

**CAN:** The TLP1 harness has multiple configuration options for sourcing vehicle CAN data, this install type requires connection to the CAN source labeled BCM. Do not use the connector labeled OBD.

**Lights:** Parking lights & auto-light handling require connection of the **orange** wire, labeled TL2/TL6 PK LIGHT, to the controller output for status and diagnostic reporting.

**PTS Button:** Idle Mode, a feature which allows the user to exit a running vehicle and enable shutdown control and monitoring by the remote starter, requires a connection to the vehicle PTS button. If this feature is not desired, no connection is made.

**M/T Corolla:** 2017-19 Corolla equipped with a manual transmission requires additional wiring, not included in the harness assembly, to manipulate the clutch position switch. Switch wires at the clutch switch connector are **white & lt green**, and a successful start will require that they be momentarily connected together during the start session, as indicated in the detail below. Select any open POC and set the associated feature option to option #2 [2nd START].



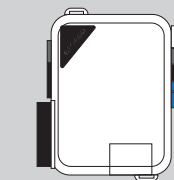
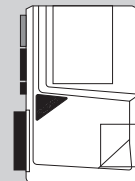
**No Takeover:** TL6 firmware operation does not provide secure takeover, the vehicle will shut down upon opening driver's door.

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

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

CM7000/7200

Cut loop for A/T



CM-900S/900AS

**CM900AS/900S Jumper**

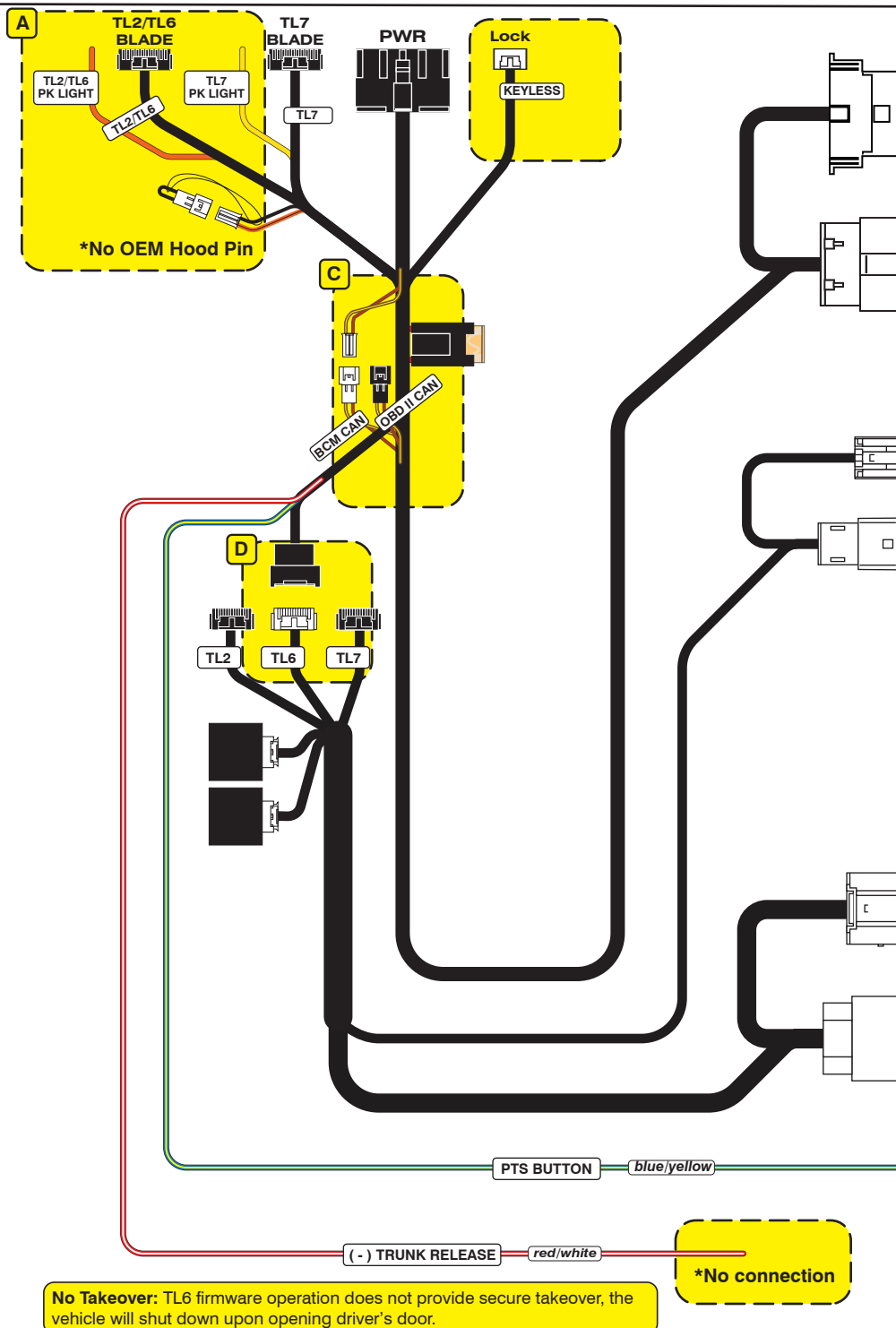


START  
ACC  
IGN1



# FTI-TLP1 Type 2B - Installation Notes & Wiring Diagram

- A** Type 2B install requires using the BLADE and PK LIGHT connections marked TL2/TL6, secure unused connections. If vehicle is not equipped with a factory hood pin, connect jumper before programming.
- B** Type 2B installation does not require using the lock connector, please ensure the unused connector is secured for safety.
- C** This install sources CAN data from the vehicle BCM, use the connector marked BCM and secure the unused OBD connector for safety.
- D** Type 2B installation uses BLADE-AL(DL)-TL6 firmware and the intermediate configuration jumper marked TL6, using any other jumper will result in malfunction. Secure unused connectors for safety.
- E** PTS connection is required for IDLE MODE (allows user to exit running vehicle, enabling shutdown control and monitoring by the remote starter), connection is not required if this feature is not desired.



## Module Programming Procedure

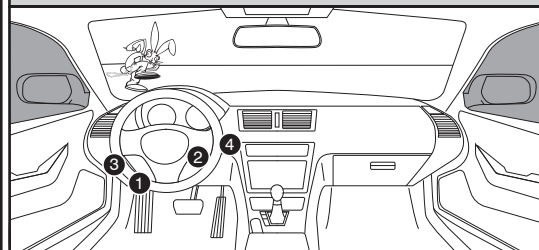
- Step 1 - Close & open driver door
- Step 2 - Activate IGN, module LED goes red, then rapid blue flash
- Step 3 - Deactivate IGN
- Step 4 - Press unlock button on OEM keyfob
- Step 5 - Module LED goes solid blue, programming complete

## LED Programming Error Codes

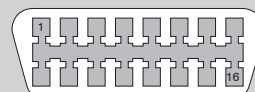
Module LED flashing RED during programming

- 1x - CAN error, confirm harness configuration
- 2x - VIN detection error, confirm harness configuration
- 3x - VIN unknown, contact support for assistance
- 4x - IMMO learn error, confirm guide matches install
- 5x - Vehicle equipped with OEM starter
- 6x - Wrong key platform or starter detected
- 7x - RX error, check connections
- 8x - TX error, check connections

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## OBD-II Connector



## Steering Lock Connector



## Main Body ECU

**\*Avalon/Corolla/Rav4**



**\*Prius C**



## PTS Button



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