

# FTI-TLP1 Type 3E - Vehicle Coverage & Preparation Notes

Make	Model	Year	Install	CAN	Lights	RAP	Liftgate	I/O Changes
DL-TL7					Park / Auto			Green White/Blue
Toyota	Tundra PTS	2020	Type 3D	BCM	<b>yellow</b>		n/a	

**Notes:**

**Firmware:** **BLADE-AL(DL)-TL7**, flash module and update starter before installation

**Install: Type 3E** vehicles require use of DL-TL7 firmware and connections marked TL7 (BLADE, Pk Light, and intermediate harness configuration connector), using any other connections labeled TL2 or TL6 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.

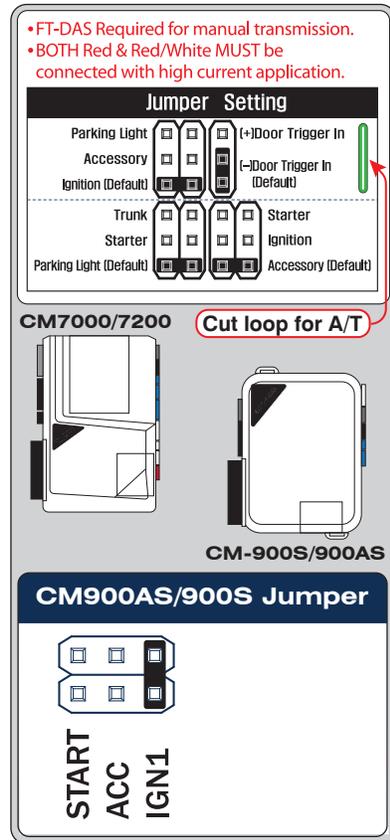
**Lights:** Parking lights require connection of the **yellow** wire, labeled TL7 PK LIGHT, to the controller output for status and diagnostic reporting.

**Locks:** The covered vehicles also requires use of the harness lock connector to ensure proper synchronization.

**DCM +12V:** Successful remote start operation requires additional wiring to interrupt the **red** +12V power wire at pin #33 of the white connector at the rear of the Main Body ECU.

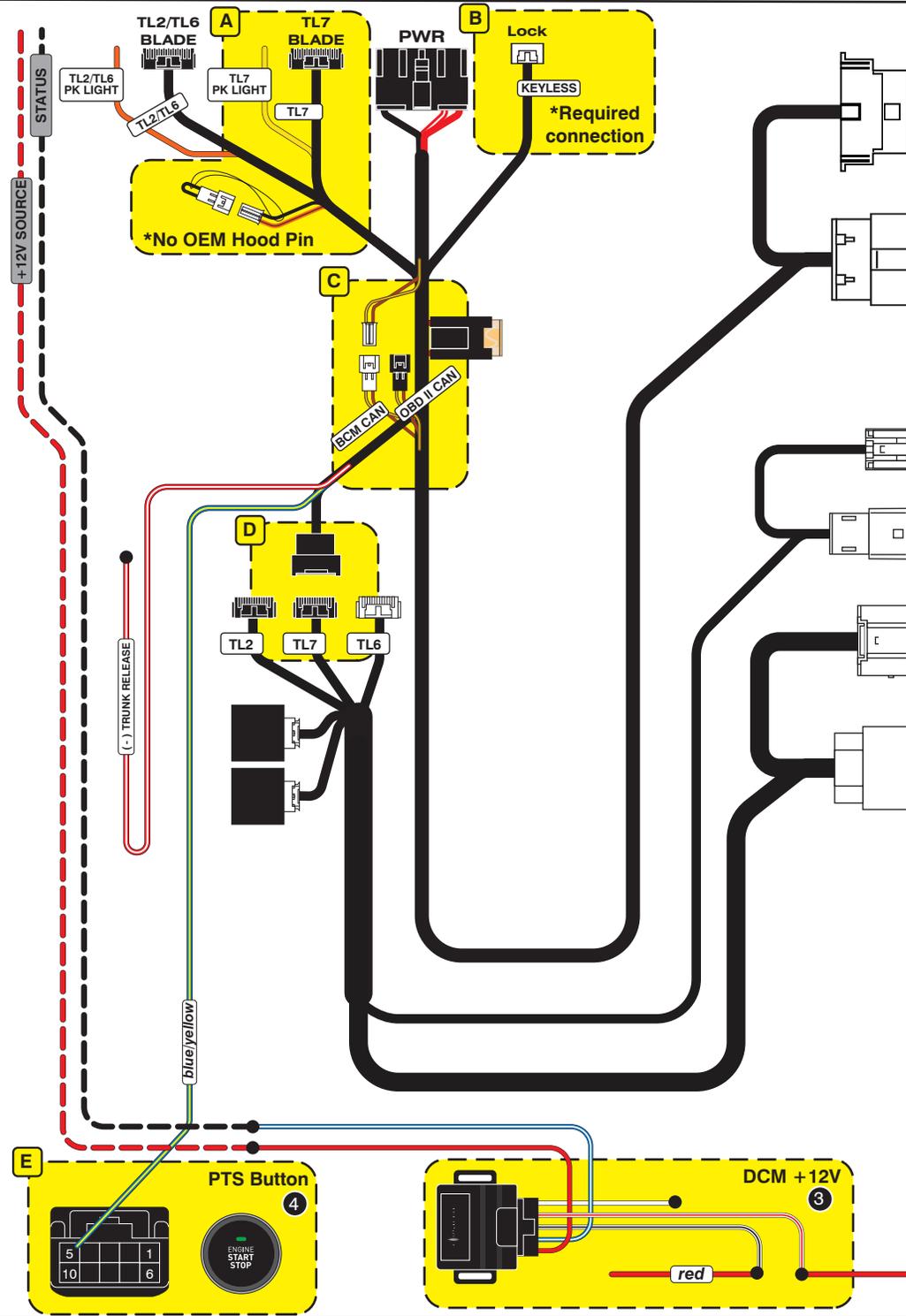
**PTS Button:** Idle Mode, a feature which allows the user to exit a running vehicle and enable shutdown control and monitoring by the remote starter, requires a connection to the vehicle PTS button. If this feature is not desired, no connection is made.

**No Takeover:** TL7 operation does not provide secure takeover, the vehicle will shut down upon vehicle entry.



# FTI-TLP1 Type 3E - Installation Notes & Wiring Diagram

- A** Type 3E install requires using the BLADE and PK LIGHT connections marked TL7, secure unused TL2 & TL6 connections. If vehicle is not equipped with an immobilizer, connect jumper before programming.
- B** Type 3E installation requires using the 6-pin CM lock connector to maintain synchronization with the factory lock system, failure to make connection will result in malfunction and performance issues.
- C** Type 3E install sources CAN data from the vehicle BCM, use the connector marked BCM and secure the unused OBD connector for safety.
- D** Type 3E installation uses BLADE-AL(DL)-TL7 firmware and the intermediate configuration jumper marked TL7, 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 - Activate IGN, module LED goes red at IGN
- Step 2 - Wait, LED should go solid green to complete programming
- Step 3 - If module flashes green, turn IGN off and wait for solid red LED
- Step 4 - When LED goes solid red, activate IGN and wait for solid green
- Step 5 - Programming complete

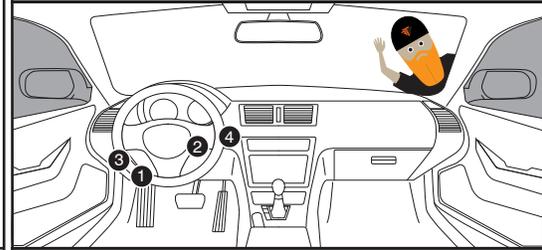
## LED Programming Error Codes

Module LED flashing RED during programming

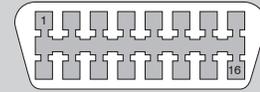
- 1x - CAN error, confirm harness configuration
- 2x - No IGN, confirm IGN power and harness configuration
- 3x - IMMO/CAN error, confirm harness configuration
- 4x - No VIN, module may default to base platform #2
- 5x - Unknown VIN, module may default to base platform #2
- 6x - OEM starter detected, cycle IGN, if issue persists, remove and reprogram

**No Takeover:** TL7 firmware operation does not provide secure takeover, the vehicle will shut down upon opening driver's door.

FIRSTECH, L.L.C.



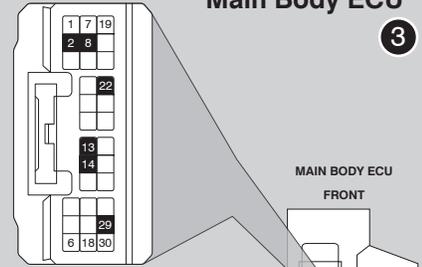
## OBD-II Connector 1



## Steering Lock Connector 2

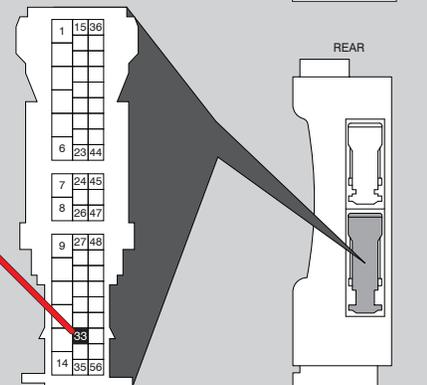


## Main Body ECU 3



MAIN BODY ECU FRONT

REAR



FTI-TLP1 Type 3E

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