FTI-TLP1 Type 3F - Vehicle Coverage & Preparation Notes

Make	Model	Year	Install	CAN	Lights	RAP	Liftgate	I/O Changes
DL-TL7					Park / Auto			Green White/Blue
Lexus	RX350 PTS	2020	Type 3D	BCM	*yellow*		*red 5/28*	

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

Install: Type 3F 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.
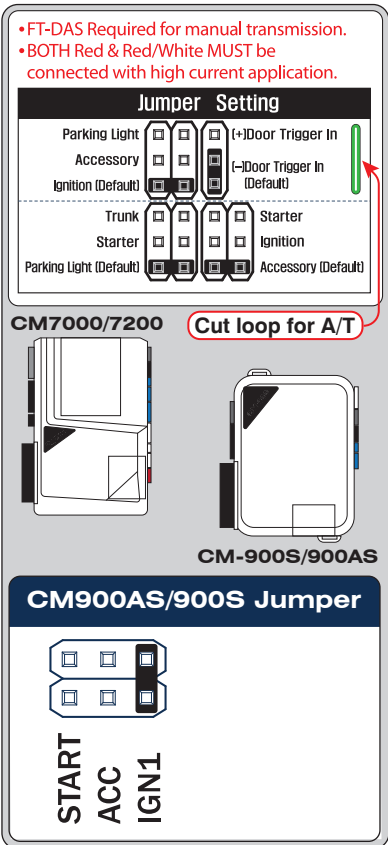
Lights: Parking lights require connection of the *yellow* wire, labeled TL7 PK LIGHT, to the controller output for status and diagnostic reporting.

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 *yellow* +12V power wire at pin #33 of the white connector at the rear of the Main Body ECU.
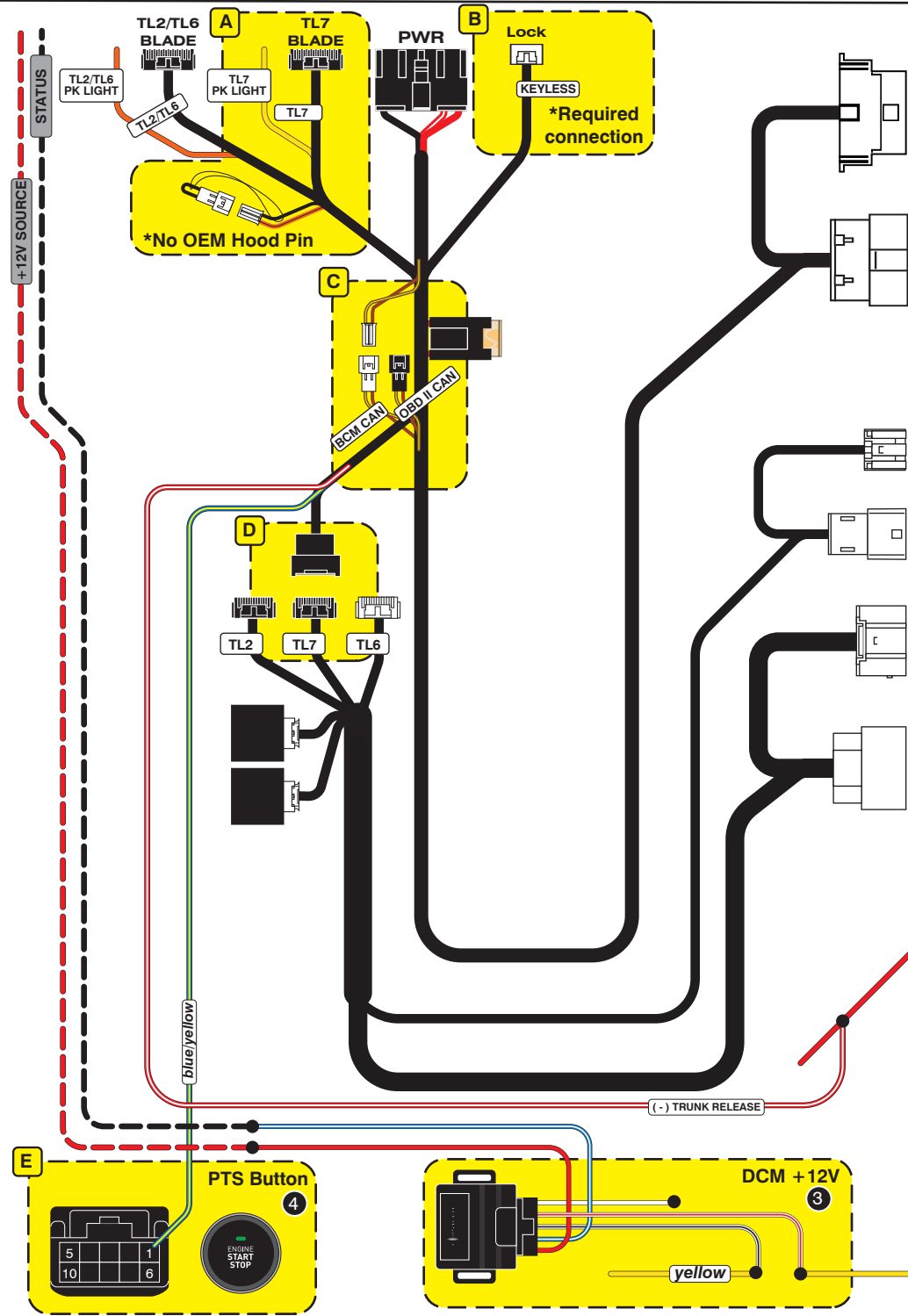
PTS Button: Idle Mode, a feature which allows the user to exit a running vehicle and enable shutdown control and monitoring by the remote starter, requires a connection to the vehicle PTS button. If this feature is not desired, no connection is made.

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

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

Jumper Setting

Parking Light		(+)Door Trigger In
Accessory		(–)Door Trigger In [Default]
Ignition [Default]		
Trunk		Starter
Starter		Ignition
Parking Light [Default]		Accessory [Default]

CM7000/7200

Cut loop for A/T

CM-900S/900AS
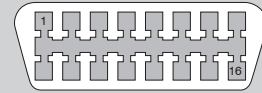
CM900AS/900S Jumper

START ACC IGN1

FTI-TLP1 Type 3F - Installation Notes & Wiring Diagram

A Type 3F 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 3F 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 3F install sources CAN data from the vehicle BCM, use the connector marked BCM and secure the unused OBD connector for safety.

D Type 3F 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.
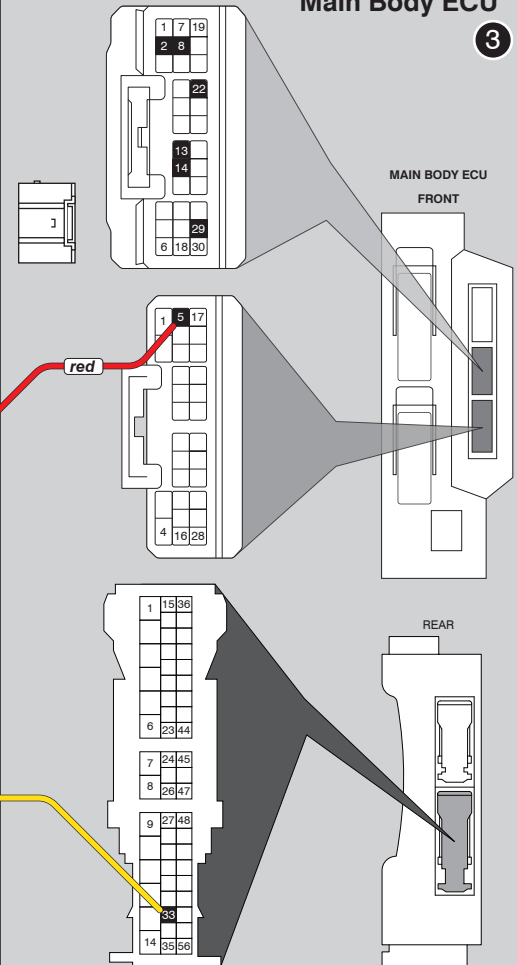
FIRSTECH, LLC.

OBD-II Connector ❶

Steering Lock Connector ❷

Main Body ECU ❸

MAIN BODY ECU FRONT

REAR

red

(-) TRUNK RELEASE

TL2/TL6 BLADE | **A** | **TL7 BLADE** | **PWR** | **B** | **Lock**

TL2/TL6 PK LIGHT | TL7 PK LIGHT | TL7 | KEYLESS

*Required connection

*No OEM Hood Pin

TL2/TL6

STATUS

+12V SOURCE

C BCM CAN | OBD II CAN

D TL2 | TL7 | TL6

blue/yellow

E PTS Button ❹
5 | 1
10 | 6
ENGINE START STOP

DCM +12V ❸
yellow

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 waitfor solid red LED
Step 4 - When LED goes solid red, activat 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.

FTI-TLP1 Type 3F

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