FTI-TLP1 Type 1 - Vehicle Coverage & Preparation Notes

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

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-TL2					**Park / Auto**			**Green White/Blue**
Lexus	GX460 PTS	2010-17	Type 1	OBD-II	*orange*			
Lexus	RX350 PTS	2010-15	Type 1	OBD-II	*orange*			
Lexus	RX 450h pts	2010-15	Type 1	OBD-II	*orange*			
Toyota	4Runner PTS	2010-19	Type 1	OBD-II	*orange*			
Toyota	Sienna PTS	2011-17	Type 1	OBD-II	*orange*			

Notes:
Firmware: BLADE-AL(DL)-TL2, flash module and update starter before installation

Install: Type 1 vehicles require use of DL-TL2 firmware and connections marked TL2 (BLADE, Pk Light, and intermediate harness configuration connector), using any other connections labeled TL6 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 OBD. Do not use the connector labeled BCM.

Lights: Parking light control and auto-light handling require connection of the *orange* wire, labeled TL2/TL6 PK LIGHT, to the controller pk light 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.
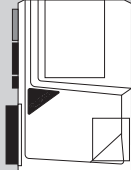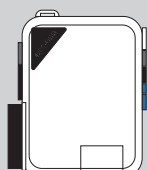
No Takeover: TL2 operation does not provide secure takeover, the vehicle will shut down upon vehicle entry.

• 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
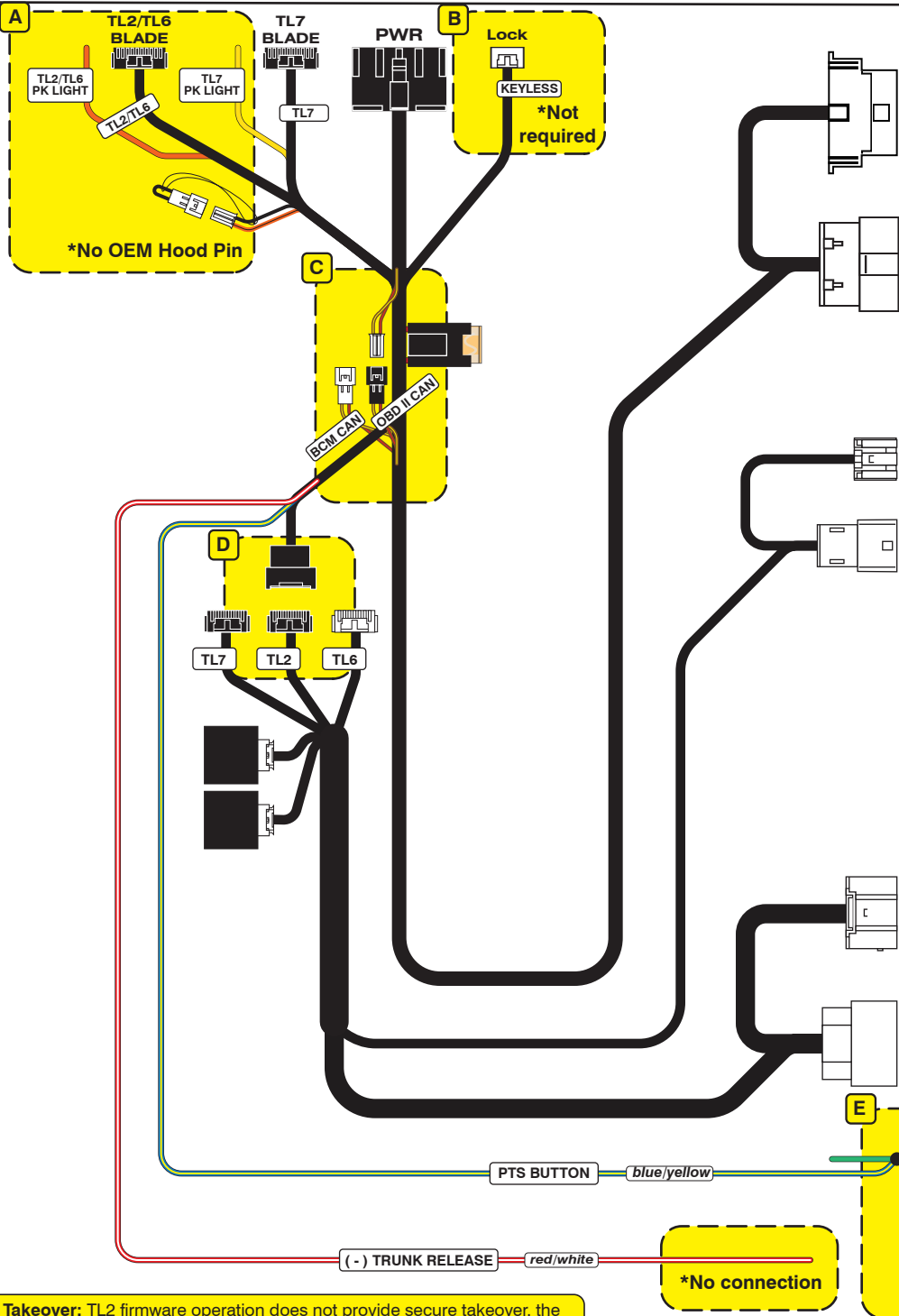
CM-900S/900AS

CM900AS/900S Jumper

START ACC IGN1

FTI-TLP1 Type 1 - Installation Notes & Wiring Diagram

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A Type 1 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 1 installation does not require using the lock connector, please ensure that the unused connector is secured for safety.

C This install sources CAN data from the vehicle OBD-II connector, use the connector marked OBD and secure the unused connector for safety.

D Type 1 installation uses BLADE-AL(DL)-TL2 firmware and the intermediate configuration jumper marked TL2, 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.

A
TL2/TL6 BLADE
TL2/TL6 PK LIGHT
TL7 PK LIGHT
TL2/TL6
TL7 BLADE
TL7
PWR
*No OEM Hood Pin

B Lock
KEYLESS
*Not required

C
BCM CAN
OBD II CAN

D
TL7 TL2 TL6

OBD-II Connector ①
1 ... 16

Steering Lock Connector ②
7 ... 1

Main Body ECU ③
6 ... 1
30 ... 19

E
*All except Sienna - *lt. blue*
lt. green
PTS BUTTON — *blue/yellow*
8 ... 14
1 ... 7

(-) TRUNK RELEASE — *red/white*
*No connection

PTS Button ④
ENGINE START STOP

No Takeover: TL2 firmware operation does not provide secure takeover, the vehicle will shut down upon opening driver's door.

Module Programming Procedure

Step 1 - Activate IGN, module LED should blink blue 1x
Step 2 - Wait, module LED should go solid blue for 2 sec.
Step 3 - Module programming complete

LED Programming Error Codes

Module LED flashing RED during programming

1x - CAN error, confirm harness configuration
2x - VIN detection error, confirm configuration and vehicle entry
3x - VIN error, contact support
4x - IMMO lear error, confirm harness configuration
5x - OEM starter detected, see Toyota/Lexus starter locator in the support links section of compustar.idatalink.com
6x - Key vehicle detected
7x - RX error, confirm harness configuration
8x - TX error, confirm harness configuration

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