FTI-TLK80: Vehicle Coverage and Preparation Notes

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Make	Model	Year	Adapter/ RDA	CAN	Lights	TPMS	Trunk	I/O Changes
DL-TL9 Toyota	Tacoma 80 bit H Key	2020-23	Type C RDA 2	BCM	**Park / Auto** X/B/DDP	BCM/33	N/A	**Green White/Blue** START 2

Type 1 installation requires **BLADE-AL(DL)-TL9**, flash module and update controller firmware before beginning the installation.

Ignition Adapter: Each installation in this firmware group requires the use of a specific adapter, use only the adapter listed above and illustrated on the next page, using any other adapter will result in malfunction and possible vehicle damage.

CAN: Vehicle CAN data can be gathered from either the OBD-II connector or the BCM 30-pin connector, proper configuration of the harness CAN selection jumpers is required. Configure as illustrated on the following page.

Parking Lights: Park 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 controller's gray I/O connector and replace it with the one specified, for status and diagnostic reporting.

Door Locks (RDA): Connections vary by vehicle equipment and trim level, refer to wiring diagram for specific connections. Make no alternate connections, and secure all unused wires for safety.

I/O Changes: If indicated above, change the controller output from **Parking Light** to **START**:
- CM7 controllers - move jumper 3 to STARTER position
- CMX controllers - change HCP #1 to 2ND START (setting 2)
- CM900 controllers - set feature option 1-6 to 2.

If you encounter issues successfully disarming the OEM alarm during remote start, set option 1-01 to 2.

This install requires additional connections at the male 30-pin ECU connector of the harness, rearm at pin #6 and park lights at pin #22 must to be added to the 30-pin connector. Connect as illustrated, configure selected POC for RAP [31]

FTI-TLK80: Installation and Configuration Notes

A REQUIRED CONNECTIONS

B REQUIRED ADAPTER

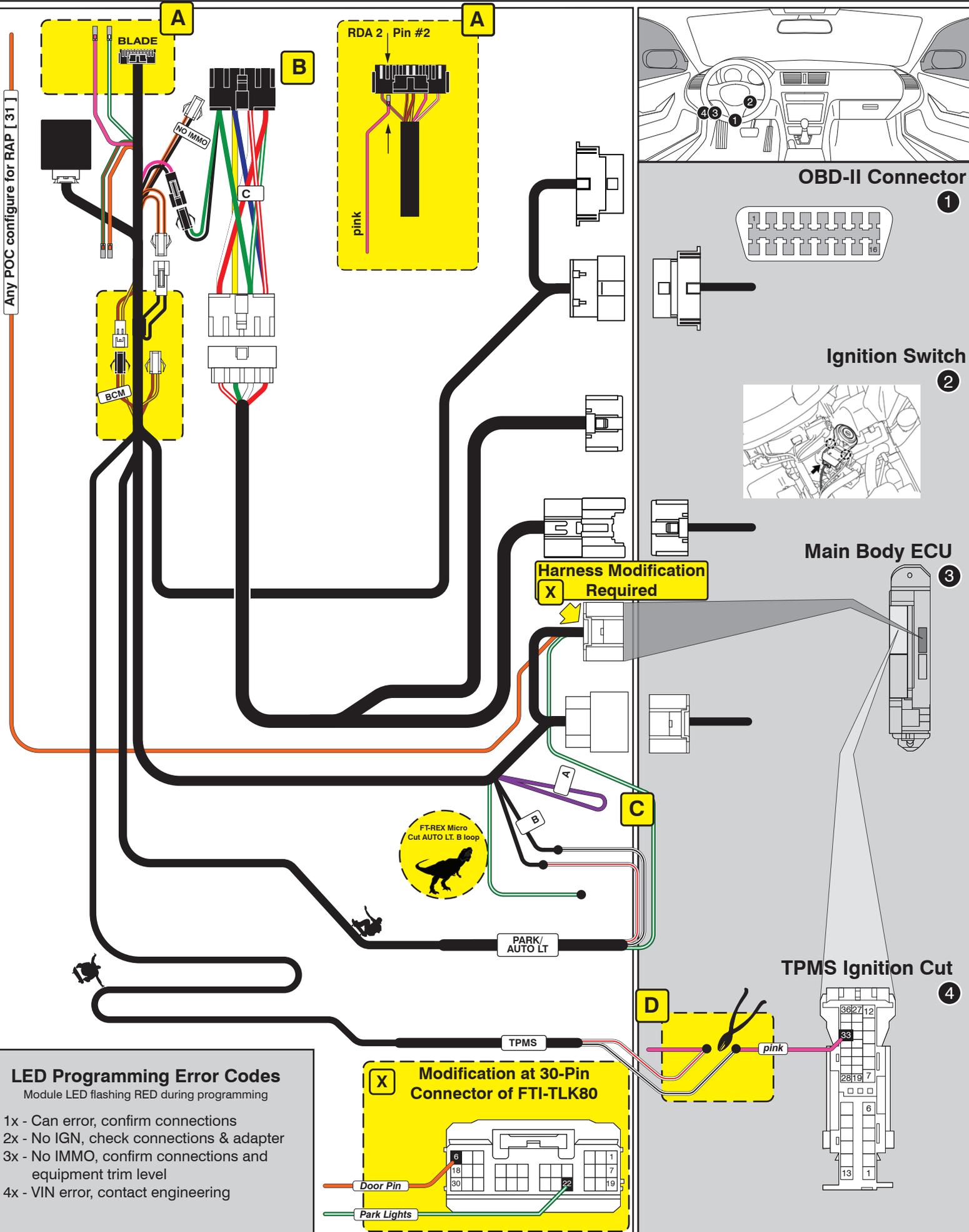**C** REQUIRED CONFIGURATION

D OPTIONAL CONNECTION

• 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

CMX

CM900AS/900S Jumper

START
ACC
IGN1

FEATURE COVERAGE

IMMOBILIZER DATA · PARKING LIGHTS · ARM OEM ALARM · DISARM OEM ALARM · DOOR LOCK · DOOR UNLOCK · PWR SLIDING DOOR (LEFT) · PWR SLIDING DOOR (RIGHT) · TRUNK/HATCH RELEASE · POWER SLIDING DOOR (R) · DOOR STATUS · TRUNK STATUS · HOOD STATUS · TACH OUTPUT · BRAKE STATUS · E-BRAKE STATUS · A/M ALARM CTRL FROM OEM REMOTE · A/M RS CONTROL FROM OEM REMOTE · SECURE TAKEOVER · AUTO-LIGHT CONTROL · 3X LOCK REMOTE START FROM OEM · DISCO BALL

A

BLADE

B

A

RDA 2   Pin #2

pink

NO IMMO

C

BCM

Any POC configure for RAP [31]

OBD-II Connector ❶

Ignition Switch ❷

Main Body ECU ❸

Harness Modification Required   **X**

C

FT-REX Micro
Cut AUTO LT. B loop

A

B

PARK/
AUTO LT

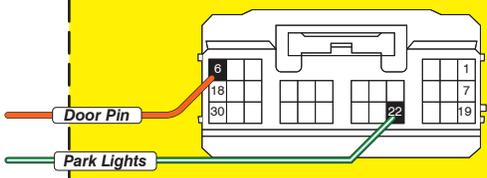**TPMS Ignition Cut** ❹

D

TPMS

pink

36 27 12
33
28 19 7
6
13 1

LED Programming Error Codes

Module LED flashing RED during programming

1x - Can error, confirm connections
2x - No IGN, check connections & adapter
3x - No IMMO, confirm connections and
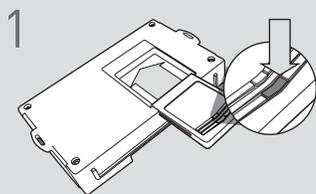   equipment trim level
4x - VIN error, contact engineering

X **Modification at 30-Pin Connector of FTI-TLK80**

6
18
30
1
7
19
22

Door Pin

Park Lights
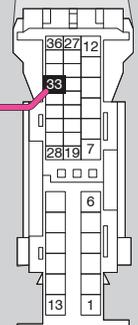
CARTRIDGE INSTALLATION

1 Slide cartridge into unit. Notice button under LED.

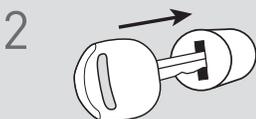**2** Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE
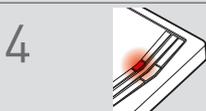
NOTE

I   IMPORTANT: The hood must be closed.

1 Use the BLACK key only.
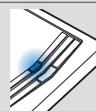DO NOT use the GRAY valet key.

2 Insert key into ignition.

3 Turn key to ON position.
ON

4 LED will turn solid RED.

5 Wait, LED will turn solid BLUE for 2 seconds.

6 OFF
Turn key to OFF position.

7 Module Programming Procedure completed.