

Make	Model	Year	Adapter/ RDA	CAN	Lights	TPMS	Trunk	I/O Changes
DL-TL9 Toyota	Tacoma 80 bit H Key	2020-22	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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In	<input type="checkbox"/>	<input type="checkbox"/>
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In	<input type="checkbox"/>	<input type="checkbox"/>
Ignition (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Starter	<input type="checkbox"/>	<input type="checkbox"/>
Trunk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ignition	<input type="checkbox"/>	<input type="checkbox"/>
Starter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accessory (Default)	<input type="checkbox"/>	<input type="checkbox"/>
Parking Light (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

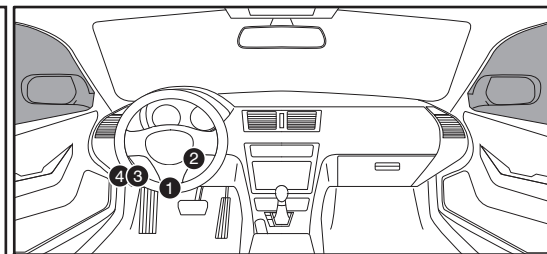
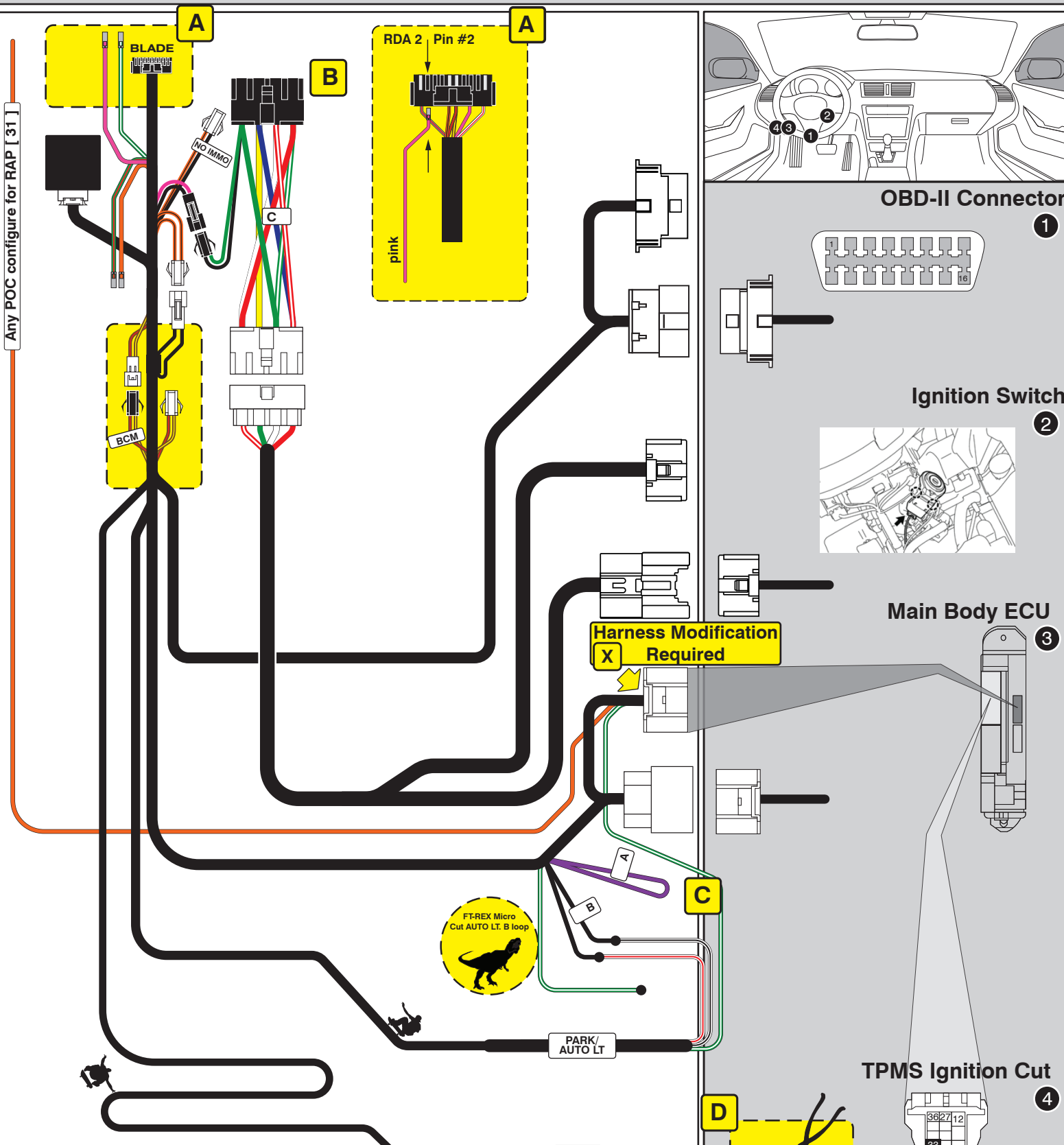
CM7000/7200 Cut loop for A/T

CMX

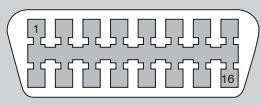
CM900AS/900S Jumper



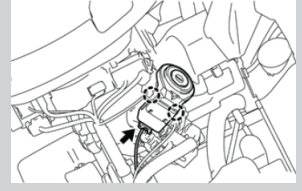
FEATURE COVERAGE																																											
IMMOBILIZER DATA	<input type="checkbox"/>	PARKING LIGHTS	<input type="checkbox"/>	ARM OEM ALARM	<input type="checkbox"/>	DISARM OEM ALARM	<input type="checkbox"/>	DOOR LOCK	<input type="checkbox"/>	DOOR UNLOCK	<input type="checkbox"/>	PWR SLIDING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



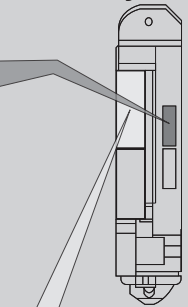
OBD-II Connector 1



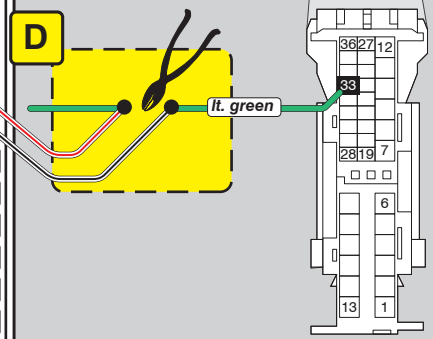
Ignition Switch 2



Main Body ECU 3



TPMS Ignition Cut 4

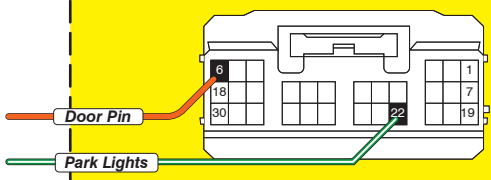


LED Programming Error Codes

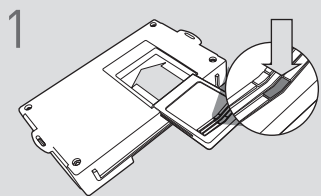
Module LED flashing RED during programming

- 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



CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

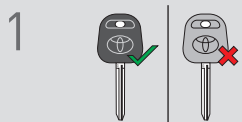
2

Ready for Module Programming Procedure.

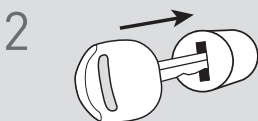
MODULE PROGRAMMING PROCEDURE

NOTE

1 **IMPORTANT:** The hood must be closed.



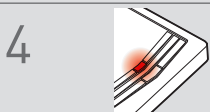
1 Use the BLACK key only. DO NOT use the GRAY valet key.



2 Insert key into ignition.

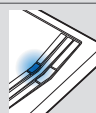


3 Turn key to ON position.



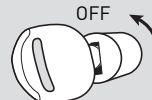
4 LED will turn solid RED.

5



Wait, LED will turn solid BLUE for 2 seconds.

6



Turn key to OFF position.

7

Module Programming Procedure completed.