

Make	Model	Year	Adapter/ RDA	CAN	Lights	TPMS	Trunk	I/O Changes
DL-TL9 Toyota	Sienna 80 bit H Key	2018-20	Type A RDA 3	BCM	Park / Auto 1/A	FBX/10	SW/6	Green White/Blue NONE

Type 4 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.

Trunk/Hatch: Trunk/hatch control is optional and requires additional wiring if feature control is desired. Connect as illustrated.

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.

FTI-TLK80: Installation and Configuration Notes

- A** REQUIRED CONNECTIONS
- B** REQUIRED ADAPTER
- C** REQUIRED CONFIGURATION
- D** REQUIRED CONNECTION
- E** OPTIONAL CONNECTION



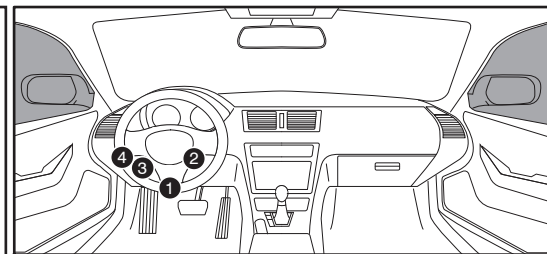
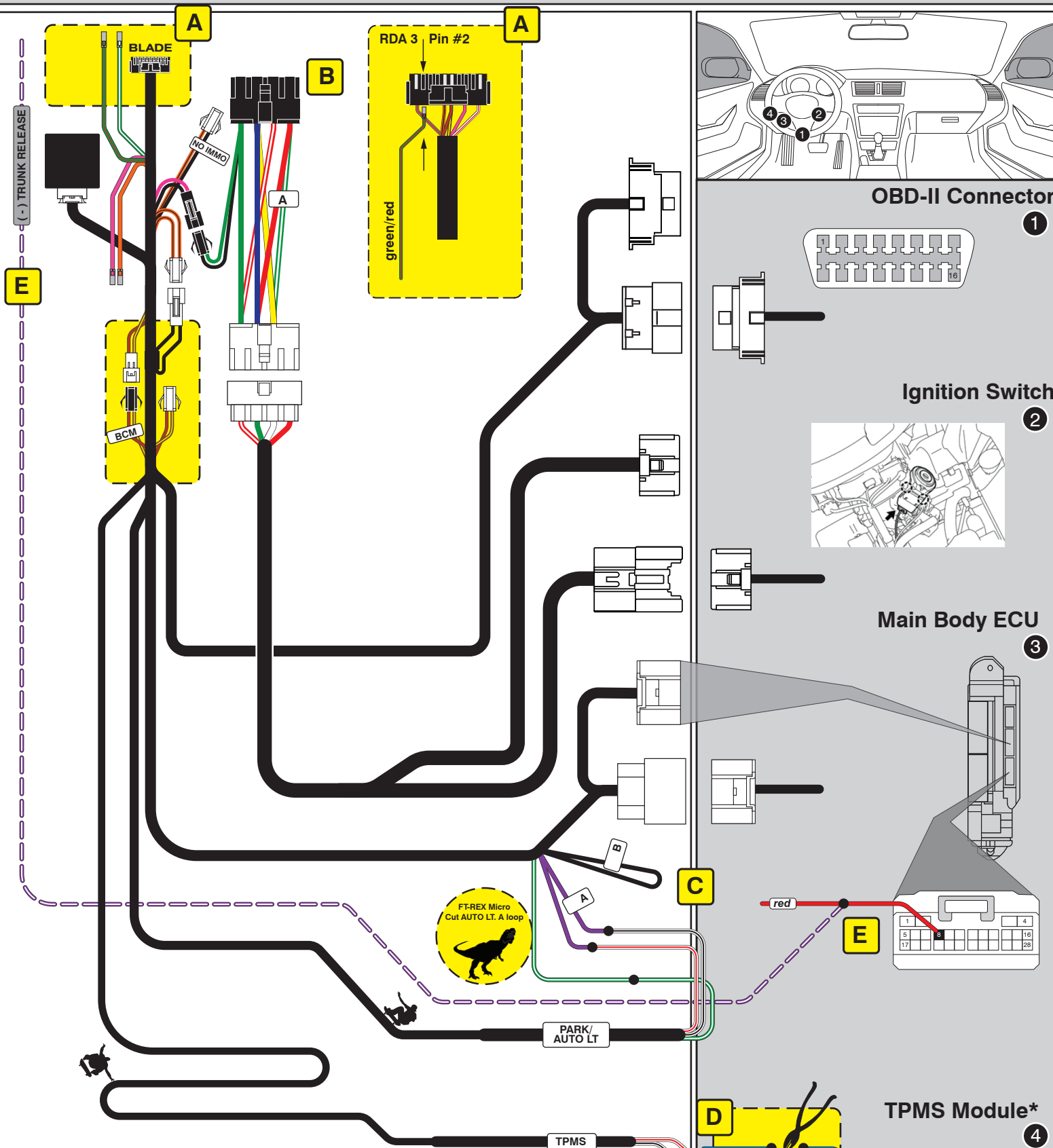
FEATURE COVERAGE															
IMMOBILIZER DATA	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PARKING LIGHTS	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ARM OEM ALARM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DISARM OEM ALARM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DOOR LOCK	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DOOR UNLOCK	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PWR 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	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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

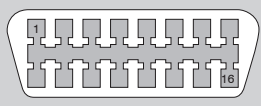
Jumper Setting

CM7000/7200 Cut loop for A/T

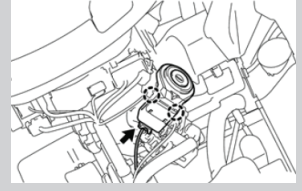
CM900AS/900S Jumper



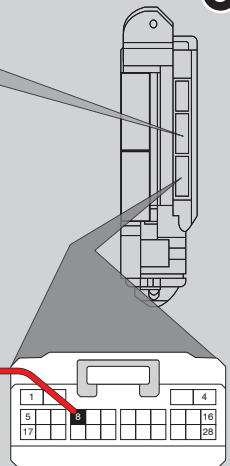
OBD-II Connector 1



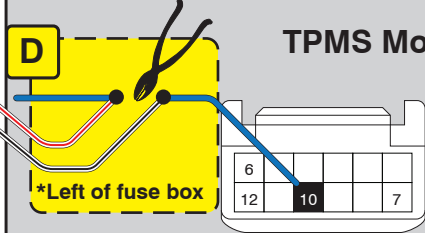
Ignition Switch 2



Main Body ECU 3



TPMS Module* 4

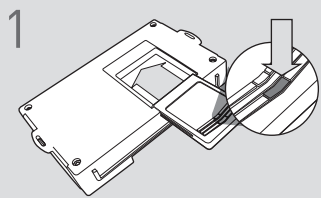


LED Programming Error Codes

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

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.

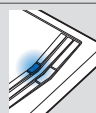


3 Turn key to ON position.



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.

