

| Make | Model | Year | Adapter/ RDA | CAN | Lights | TPMS | Trunk | I/O Changes |
|-------------------------|----------------------|---------|-----------------|--------|--------------------|--------|-------|--------------------------|
| DL-TL9 Toyota | Corolla 80 bit H Key | 2014-16 | Type C RDA 1 | OBD-II | Park / Auto 1/A | FBX/28 | N/A | Green White/Blue NONE |

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.

FTI-TLK80: Installation and Configuration Notes

- A** REQUIRED CONNECTIONS
- B** REQUIRED ADAPTER
- C** REQUIRED CONFIGURATION
- D** 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 |

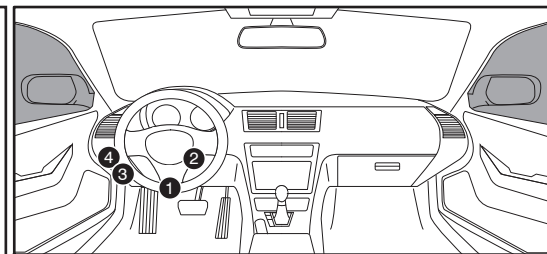
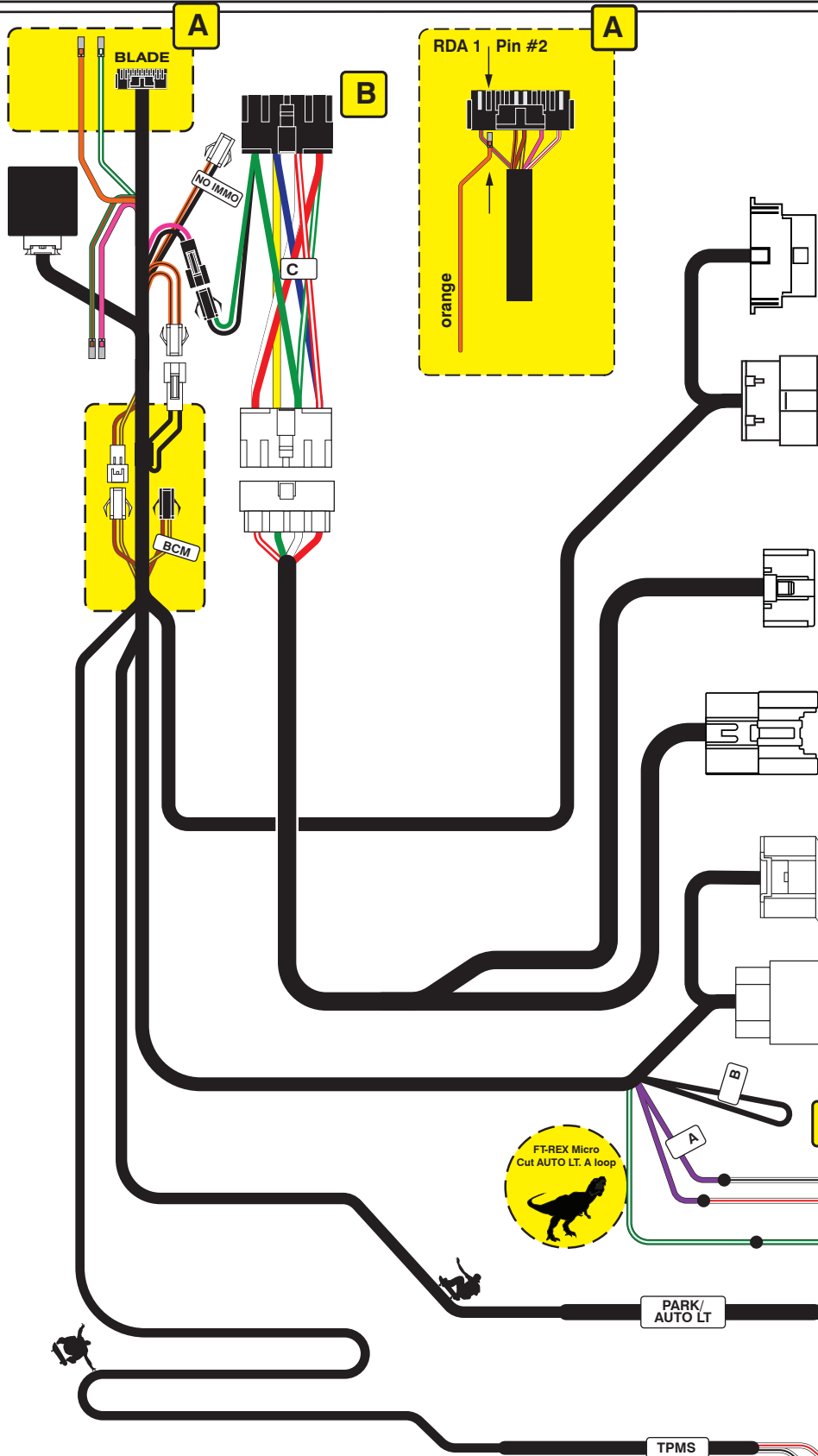
•FT-DAS Required for manual transmission.
•BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting

| | | | | | | | | |
|--------------------------|--------------------------|--------------------------|------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Parking Light | Accessory | Ignition (Default) | (+)Door Trigger In (Default) | (-)Door Trigger In (Default) | Trunk | Starter | Ignition | Accessory (Default) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

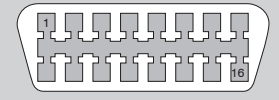
CM7000/7200 Cut loop for A/T

CM900AS/900S Jumper



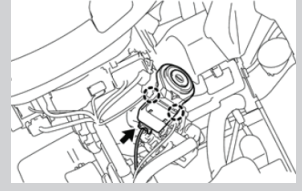
OBD-II Connector

1



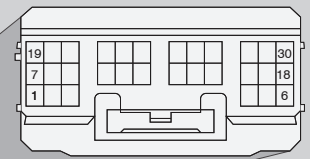
Ignition Switch

2



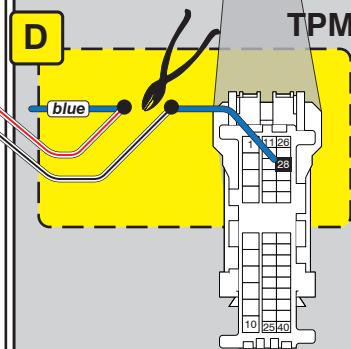
30-Pin connector below fuse box

3



TPMS Ignition*

4

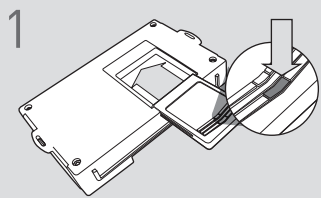


LED Programming Error Codes

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.

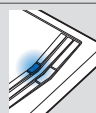


3 Turn key to ON position.



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.

