

Make	Model	Year	Install	CAN	Lights	Trunk	POC	I/O Changes
DL-TL1 Toyota	Corolla 40 bit STD Key AT	2009-10	Type 1	OBD-II	Park / Auto Type 2	N/A	N/A	Green White/Blue START2/NONE

**Firmware:** This installation requires **BLADE-AL(DL)-TL1**, flash module and update the controller firmware before installing.

**Install Type 1:** Ignition harness connections are hardwired using either the high current or low current **CN1 harness**, an inspection of the vehicle wiring will indicate which version is required, but if you are unsure of which, use the high current version.

**CAN:** CAN data connections are located at the OBD-II connector, the OBD-II connection is mandatory.

**Lights:** Parking light negative and auto-light control (if equipped) are located at the parking light switch 20-pin connector of the headlight switch. The applicable lighting connections are illustrated. Replace the **green/white** wire in the gray CM I/O connector with the harness pre-terminated **green/white** wire for parking lights, and use the provided **white/red & white/black** wires to interrupt the auto-light wire, if equipped.

**I/O Changes:** *This install requires changing the controller output from Parking Light to START 2.*

- CM7 Series controllers: Move jumper 3 to **STARTER** position
- CMX controllers: Configure HCP#1 for 2ND START (setting 2)
- CM900 controllers: Set **Feature Option 1-6 to setting 2.**

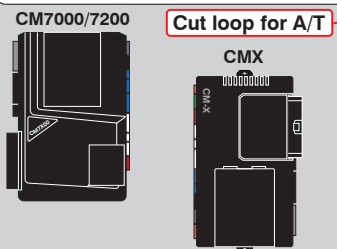
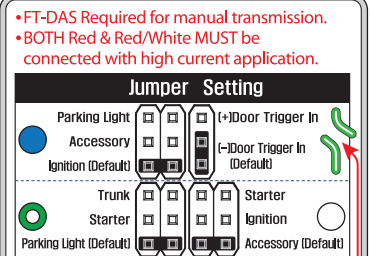
If issues arise disarming the OEM alarm during remote start, set option 1-01 to 2.



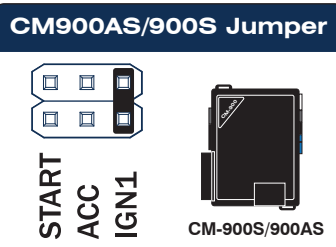
**Hood Switch Jumper:** The FTL-TLK40 harness is equipped with a jumper for bypassing module detection of hood switch status. If the vehicle is not equipped with a hood switch, connect the jumper before programming the module to the vehicle.

## FTI-TLK40: Installation and Configuration Notes

- A** INSPECT VEHICLE WIRING - USE APPROPRIATE HARNESS
- B** CONNECTION REQUIRED
- C** OPTIONAL CONNECTION - (CONNECT JUMPER IF NOT EQUIPPED FACTORY HOOD SWITCH)
- D** CONNECTION REQUIRED
- E** CONNECTIONS REQUIRED



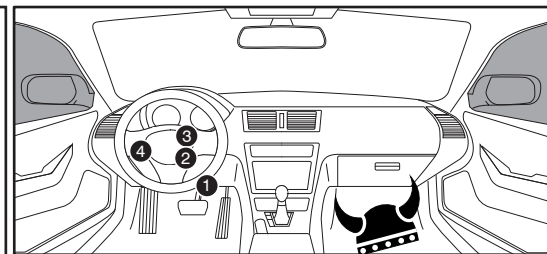
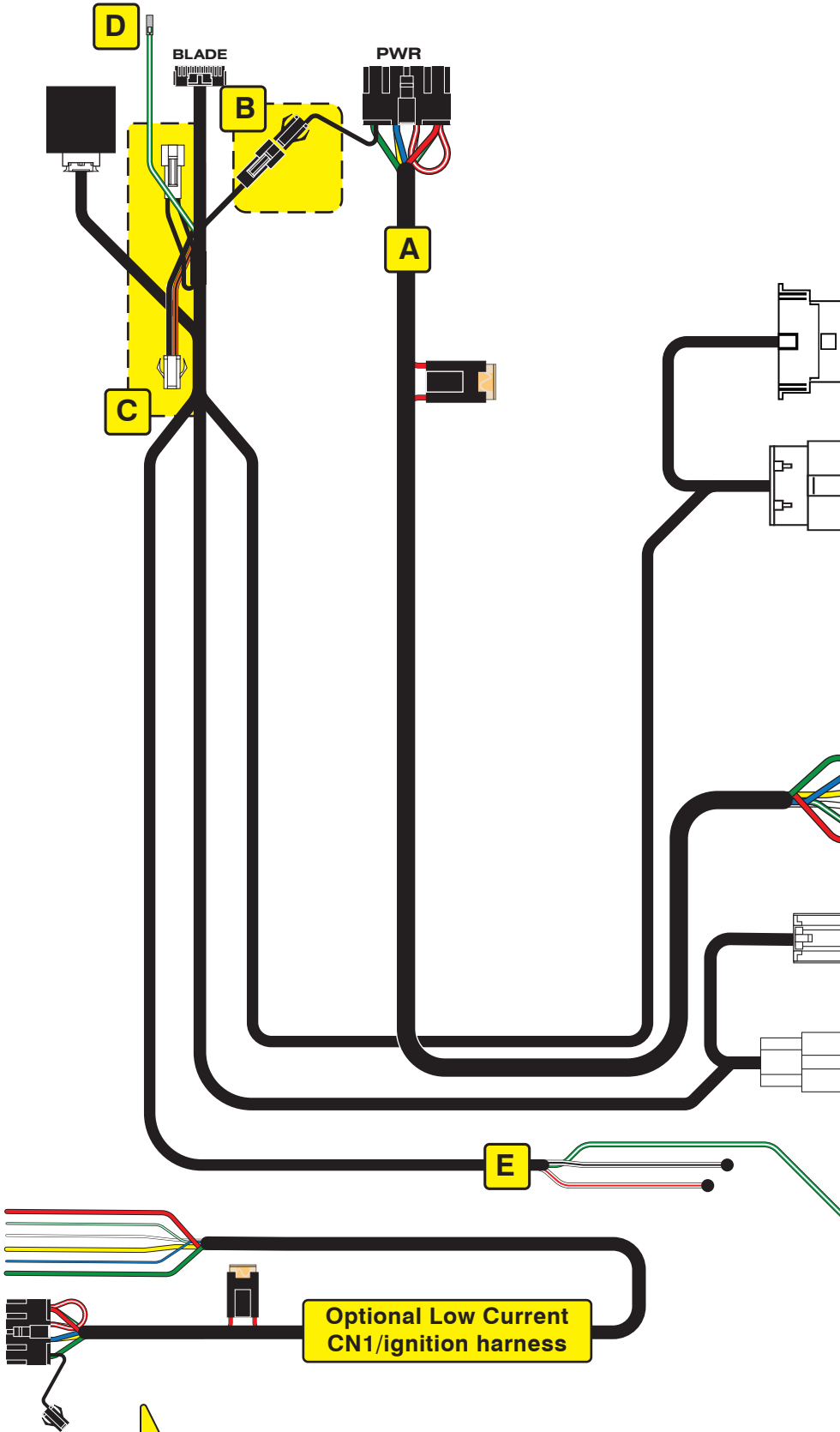
FEATURE COVERAGE														
IMMOBILIZER DATA	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	TRUNK RELEASE (IF EQUIPPED)	LIFTGATE GLASS RELEASE	TACH OUTPUT	BRAKE STATUS	E-BRAKE STATUS	DOOR STATUS	TRUNK STATUS	HOOD STATUS	LOW CURRENT IGN HARNESS	AUTOLIGHT CONTROL



**CMX High Current Programmable (+) Output Channels**

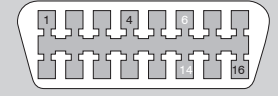
HCP #1 - Parking Light  
HCP #2 - Accessory  
HCP #3 - Ignition

[ 2 ] 2ND START  
[ 3 ] 2ND IGNITION  
[ 4 ] 2ND ACCESSORY



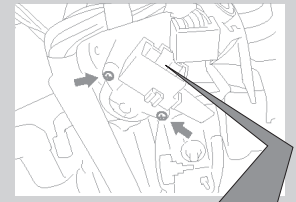
OBD-II Connector

1



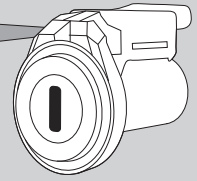
Ignition Switch

2



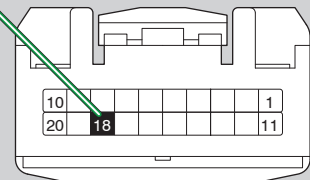
Immobilizer Connector

3



Parking light Switch

4



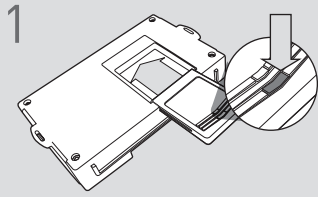
**CN1 - Green/White - START**  
**- CM7 - Jumper #3 to STARTER**  
**- CMX - HCP#1 to 2ND START [ 2 ]**  
**- CM9 - Feature option 1-06-2**

**LED Programming Error Codes**

Module LED flashing RED during programming

- 1x - CAN error, check connections
  - 2x - VIN detection failure, check CAN connections
  - 3x - VIN unknown
  - 4x - IMMO error, check connections
  - 5x - OEM remote starter detected, remove from vehicle
- Solid red LED - TXCT/CODE error, check wiring and confirm equipment level.

## CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

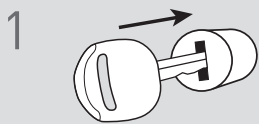
2

Ready for Module Programming Procedure.

## TYPE 1 - MODULE PROGRAMMING PROCEDURE

### NOTE

I Between each step, LED will turn solid RED, this is the default standby mode.



1 Insert key into ignition.



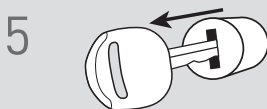
2 Turn key to ON position.



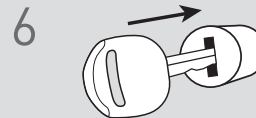
3 LED will flash BLUE once [1x].



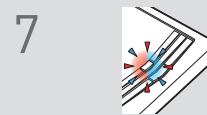
4 Turn key to OFF position.



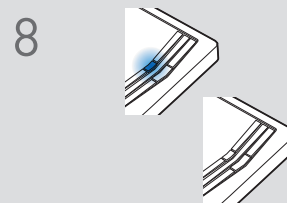
5 Remove key.



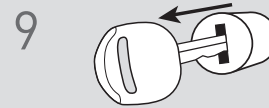
6 Insert key into ignition.



7 LED will flash BLUE and RED.  
[If vehicle is not equipped with immobilizer, press module programming button.]



8 Wait, LED will turn solid BLUE then will turn OFF.



9 Remove key.

10

Module Programming Procedure completed.