

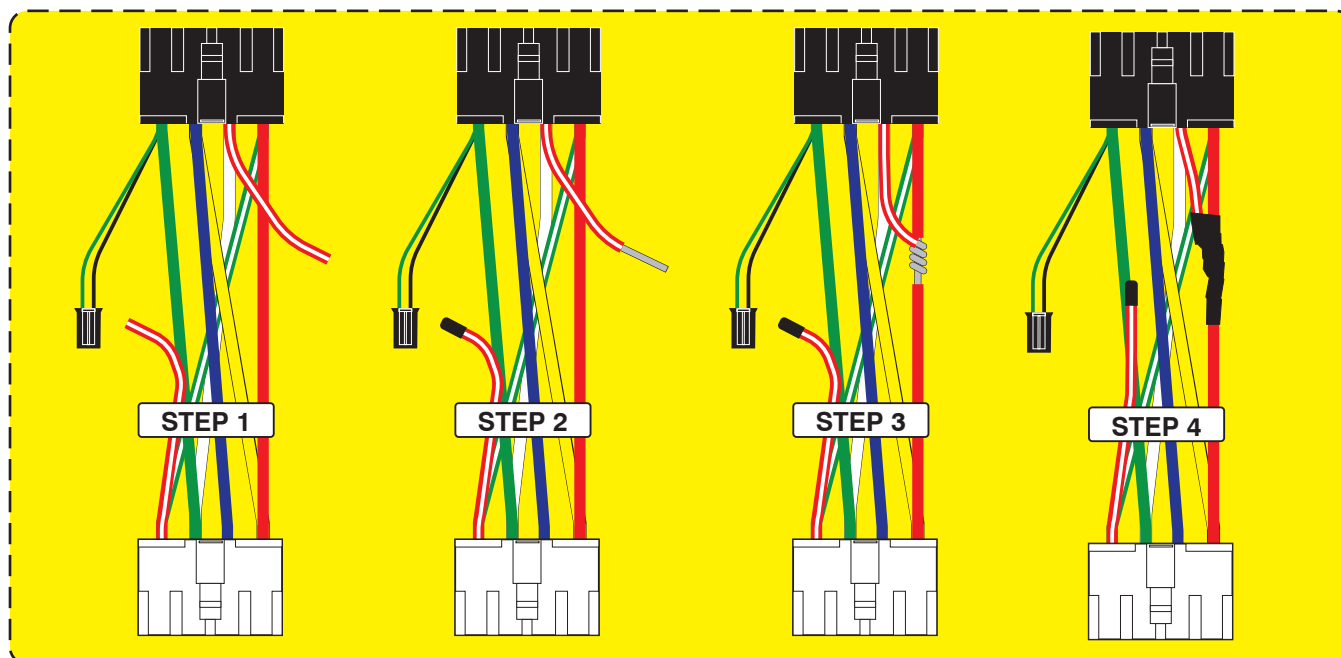
**Overview:** The initial production release of the FTI-TLK1 harness has an issue where in some vehicles the secondary power input to the CN1 connector will overload the associated vehicle circuit, causing a fuse to blow. This issue affects the initial release of harnesses and is already being addressed in production. A field correction procedure is detailed below in Figure 1.

**Issue:** The secondary power circuit can overload some vehicle ignition switch circuits, causing a blown 5A/7.5A AM1 fuse, potentially disabling the vehicle and leaving the consumer stranded. Affected adapters are illustrated below in figure 2.

**Corrective steps:**

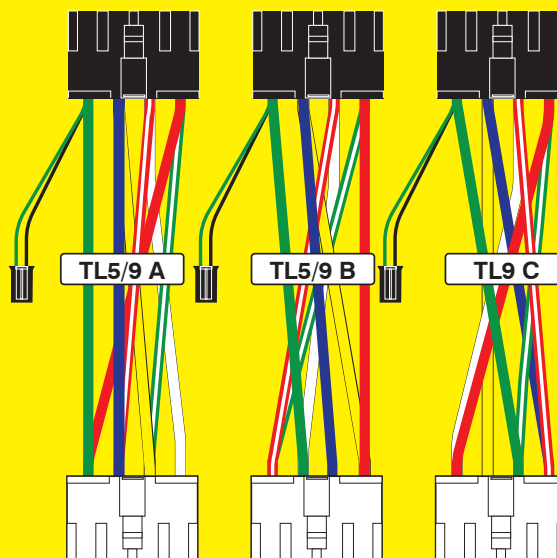
- 1.) Select the applicable CN1 adapter, isolate the RED/WHITE power wire, cut wire approximately 4" from the BLACK plug
- 2.) Insulate the wire still connected to the WHITE plug using heat shrink tubing, and strip the insulation on the other wire end
- 3.) Strip a portion of the insulation from the RED wire, attach the stripped RED/WHITE to the exposed RED wire, solder together
- 4.) Apply insulating tape to the soldered connection and secure the cut ends back to the bundle of wires created by the adapter
- 5.) Correction complete, you may safely proceed to finish your installation

**Figure 1: Step by step adapter correction**



**Figure 2: Supplied CN1 Harness Adapters**

Incorrect power provisions with the potential to overload vehicle ignition supply circuit, resulting in blown AM1 fuse.



# FTI-TLK1 Type 2B1 - Vehicle Coverage & Preparation Notes

**RSTECH, L.L.C.**  
SUPPORT - 1 (888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	SIL	Locks	I/O Changes
<b>DL-TL5</b>					<b>Park / Auto</b>			<b>Green White/Blue</b>
Toyota	Camry 80 bit STD Key	2012-14	Type 2/B	OBD-II	A / A		RDA 1	START 2/None
Toyota	Prius C 80 bit STD Key	2012-14	Type 2/B	OBD-II	A / A		RDA 1	
Toyota	Yaris 80 bit STD Key	2012-14	Type 2/B	OBD-II	A		RDA 3	

**Hey! Read this stuff before you start the installation...**

**Firmware:** Covered vehicles use **BLADE-AL(DL)-TL5**, flash module and update the controller firmware before installing.

**Install:** Type 2A vehicles use the TL5/9 main harness and **TL 5/9 B CN1 adapter**, **using any other adapters will result in malfunction or damage.**

**Lights:** Type A parking lights require a connection between the **green/white** wires in the **park/auto** and **BECU** harnesses. Type A auto lights require cutting the violet **AUTO LT. A** loop on the BECU harness, connecting the loop ends to the **white/red** & **white/black** wires in the park/auto harness.

**Locks:** Lock control requires a connection between the harness RDA and RDA 3 wires, secure unused RDA connections for safety.

**I/O Changes:** Listed vehicles require changing the controller output from **Parking Light** to **START**, CM7x00 controllers move jumper 3 to STARTER position, CM900 controllers set feature option 1-6 to 2. If issues arise disarming the OEM alarm during remote start, set option 1-01 to 2.

**Okay, now get to work...**



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

**CM7000/7200** **Cut loop for A/T**

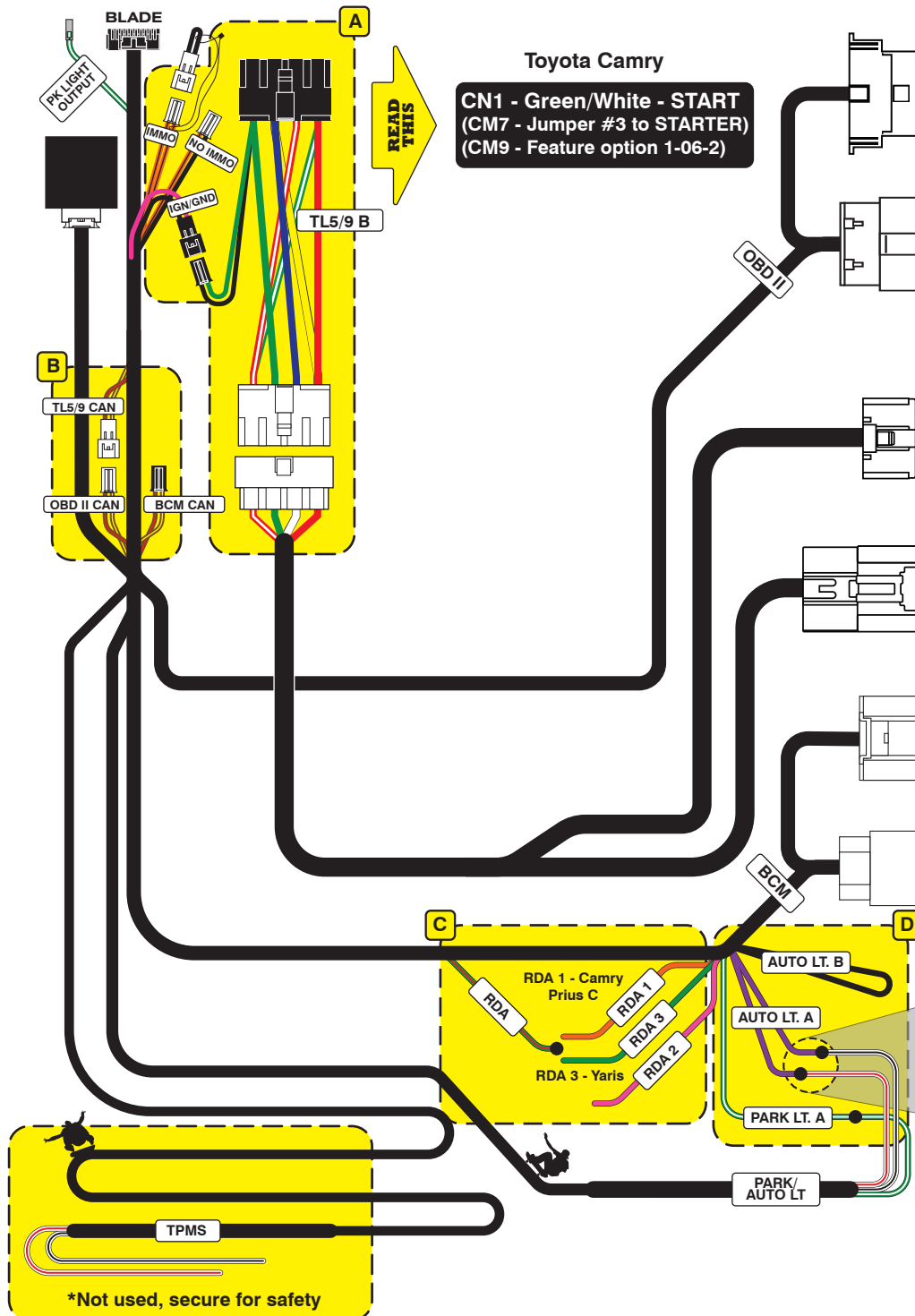
**CM-900S/900AS**

**CM900AS/900S Jumper**

**START**  
**ACC**  
**IGN1**

# FTI-TLK1 Type 2B1 - Installation Notes & Wiring Diagram

- A** TL 5/9 B CN1 adapter required for this install, using any other adapter will result in malfunction/damage. Connect jumper to **IMMO** unless not equipped, then **NO IMMO**. IGN/GND connection is mandatory.
- B** Can configuration jumper, connect to OBD-II connector, secure unused BCM connector for safety.
- C** Door lock control for this install requires connecting provided **RDA** wire to **RDA 3** (Camry and Prius C) or **RDA 1** (Toyota Yaris), secure unused **RDA** connections for safety.
- D** Type A parking lights, connect harness **green/white** (park/auto harness) to the **green/white** (BECU harness), if equipped with auto-lights, cut **AUTO LT. A** loop and connect as illustrated



## Module Programming Procedure

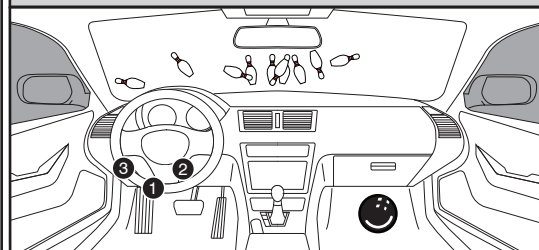
- Step 1 - Activate IGN, LED will turn solid red
- Step 2 - Wait for Solid blueLED
- Step 3 - Programming complete

## LED Programming Error Codes

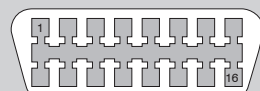
Module LED flashing RED during programming

- 1x - CAN error, confirm harness configuration
- 2x - No IGN, confirm connections
- 3x - No IMMO, confirm equipment and connections
- 4x - Unknown VIN, manually assign
- 5x - No IGN on CAN, confirm connections

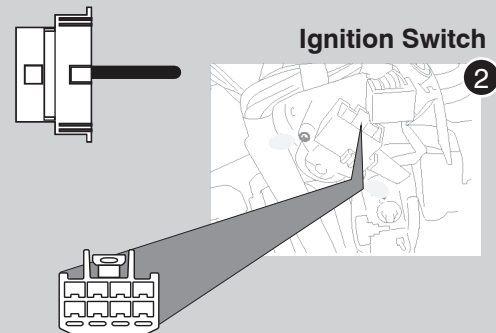
**FIRSTECH, L.L.C.**



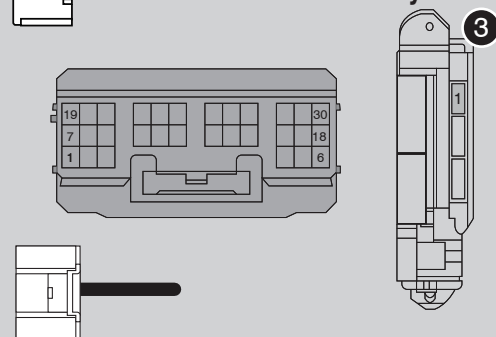
## OBD-II Connector



## Ignition Switch



## Main Body ECU



**FT-REX Micro**  
Cut AUTO LT. A loop



**FTI-TLK1 Type 2B1**

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