

# FTI-FDK1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	Clutch	Trunk	IGN Jumper
<b>DL-FM4</b> Ford	Escape STD Key A/T	2017-19	Type 12a	OBD-II	Park / Auto 1/26 (42)	N/A	BRN 49/60	PINK

This install requires **BLADE-AL(DL)-FM4**, flash module and update the controller firmware before installing. **The vehicle PATS connector has changed.** The PATS connector is a 6-pin connector and the harness connector does not fit the vehicle connector, **harness modification is required**, see illustration for details.

Additionally... This firmware requires that all the doors be closed during programming. If you call support indicating that the module is flashing 3x red and does not program, you're going to be asked to read step #1 of the instructions. Don't feel bad, you're not the first one to make this mistake, and you won't be the last, but it does make our day. :)

**CAN:** FM4 CAN data is sourced from the vehicle OBD-II connector

**Lights:** FDK1 harness provides dual +12V parking light outputs, connect to BCM connector C-2280A, positions 1 & 26 (**yellow/blue & brown/yellow**)

**RAP:** Retained accessory power shutdown requires connecting to the **green/violet** driver's door pin wire, available at BCM connector C-2280B or in the harness in the driver kick panel

**Door locks:** Door lock operation should be tested to confirm that the door locks remain functional after BCM enters sleep mode. If BCM sleep affects door locks then configure unlock before start & relock after start (feature option 1-01, setting 2)

**Lock:** **gray/yellow**, pin #36, 60-pin BCM connector (**C2280B, brown**)

**Unlock:** **violet/gray or violet/orange**, pin #26, 60-pin BCM connector (**C2280C, blue**)

**Driver's Unlock:** **blue/brown**, pin #55, 60-pin BCM connector (**C2280B, brown**), **green/violet**, connect only if present, diode isolate as illustrated in note [E].

**Please note that the harness has changed, jumpers have been added that allow selecting between IGN and PATS power for BLADE programming. This install type requires that the PINK jumper is connected, other configurations will not work.**

**Note:** If the vehicle is not equipped with an immobilizer, connect the PINK jumper for BLADE programming.

## FTI-FDK1 - Installation and Configuration Notes

- A** DO NOT CUT
- B** DO NOT CONNECT (If the vehicle is not equipped with an immobilizer, connect before programming)
- C** REQUIRED CONNECTION
- D** REQUIRED CONNECTION
- E** REQUIRED CONNECTION



FEATURE COVERAGE													
IMMOBILIZER DATA													
DOOR LOCK													
DOOR UNLOCK													
ARM OEM ALARM													
DISARM OEM ALARM													
TRUNK/HATCH RELEASE													
DOOR STATUS													
TRUNK STATUS													
RAP SHUTDOWN													
BRAKE STATUS													
HOOD STATUS													
TACH OUTPUT													
E-BRAKE OUTPUT													
A/M CONTROL													
PARKING LIGHTS													

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

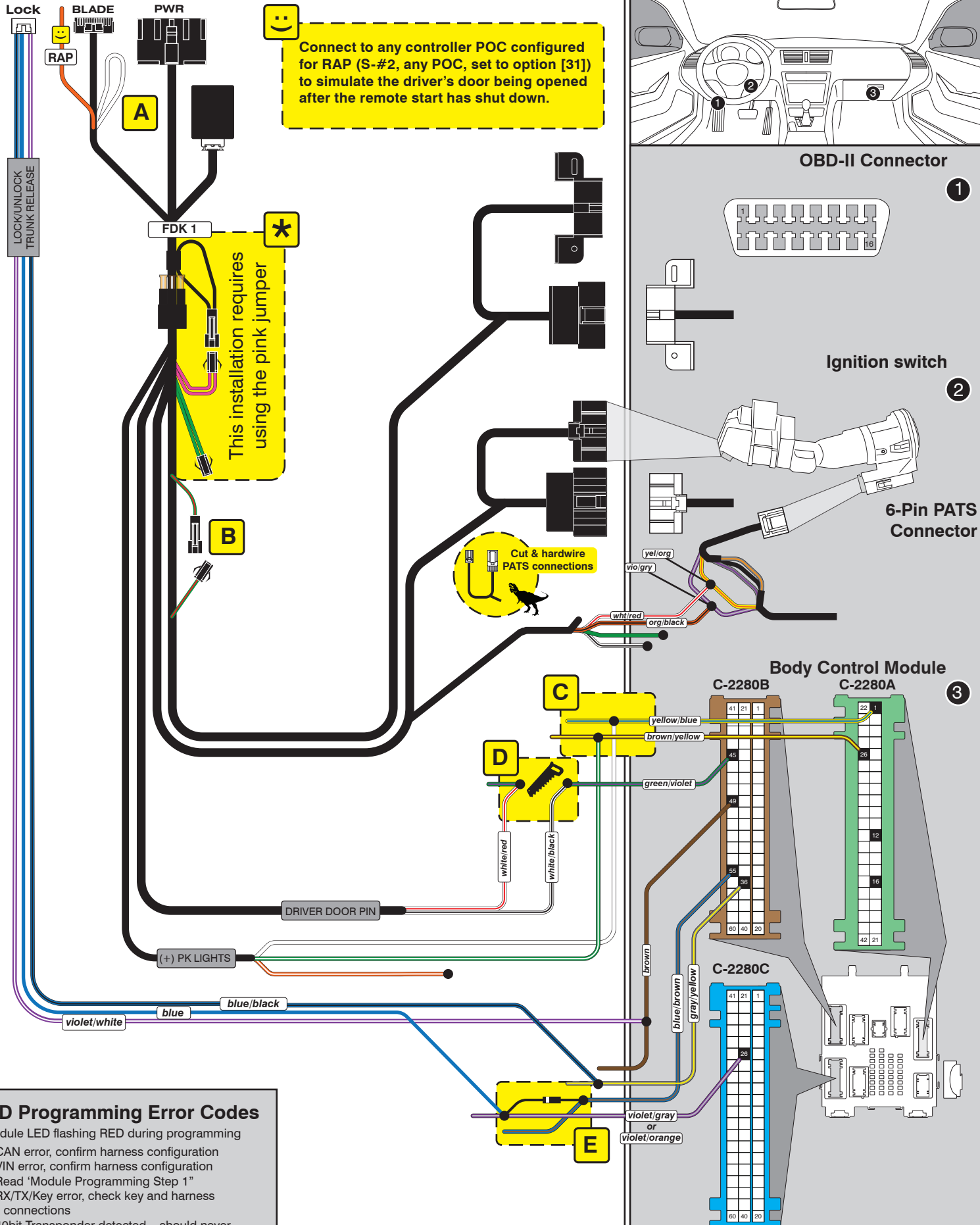
**CM7000/7200**

**CM900S/900AS**

Cut loop for A/T

CM900AS/900S Jumper

START  
ACC  
IGN1



☺  
Connect to any controller POC configured for RAP (S-#2, any POC, set to option [31]) to simulate the driver's door being opened after the remote start has shut down.

\*  
This installation requires using the pink jumper using the pink jumper

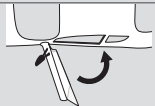
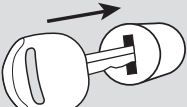
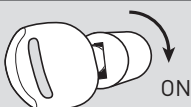
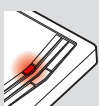
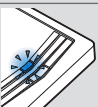
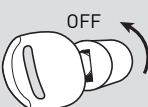
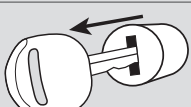
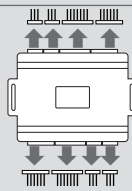
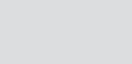

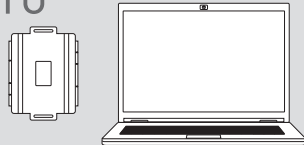
✂  
Cut & hardwire PATS connections

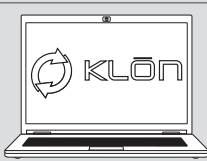

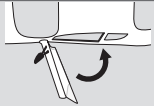
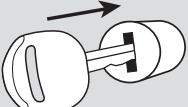
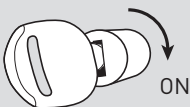

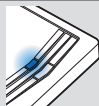
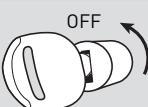
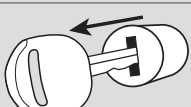
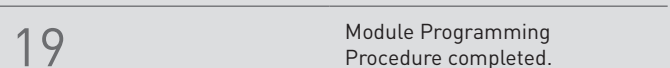
**LED Programming Error Codes**

Module LED flashing RED during programming

- 1x - CAN error, confirm harness configuration
- 2x - VIN error, confirm harness configuration
- 3x - Read 'Module Programming Step 1'
- 4x - RX/TX/Key error, check key and harness connections
- 5x - 40bit Transponder detected... should never happen, contact support
- 6x+ - KLON failure, start over or contact support

## MODULE PROGRAMMING PROCEDURE - STD KEY

- 1  Close all vehicle doors and trunk/hatch.
- 2  Insert key into ignition.
- 3  Turn key to ON position.  
 LED will turn solid RED.
- 4  Wait, LED will flash BLUE rapidly. (This may take up to 15 seconds)
- 5  Turn key to OFF position.
- 6  Remove key.
- 7  Disconnect all connectors from remote starter except the power connector.
- 8  Disconnect the power connector.
- 9  Remove remote starter from vehicle.
- 10  Connect remote starter to computer.

- 11  Proceed with extended programming.
- 12  Connect module to vehicle.
- 13  Close all vehicle doors and trunk/hatch.
- 14  Insert key into ignition.
- 15  Turn key to ON position.  
 LED will turn solid RED.
- 16  Wait, LED will turn solid BLUE for 2 seconds. (This may take up to 15 seconds)
- 17  Turn key to OFF position.
- 18  Remove key.
- 19  Module Programming Procedure completed.