

# FTI-FDK1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	Clutch	Trunk	IGN Jumper
DL-FM4 Ford	Focus STD Key A/T	2016-18	Type 15a	OBD-II	Park / Auto 1-26 (42)	N/A	BRN 49/60	PINK

This installation requires **BLADE-AL(DL)-FM4**, flash module and update the controller firmware. **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 not programming, 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 two +12V parking light outputs, connect to BCM connector C-2280A, position #1 and #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 relock after (feature option 1-01, setting 2).

**Lock:** Pin #36, 60-pin BCM connector (**C2280B, brown**), possibly **brown**, wire may not be present. If not present, position must be populated using a diode leg or tinned wire and secured in place.

**Unlock:** Pin #26, 60-pin BCM connector (**C2280C, blue**), possibly **brown/green**, wire may not be present. If not present, position must be populated using a diode leg or tinned wire and secured in place.

**Driver's Unlock:** 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** CUT REQUIRED
- B** DO NOT CONNECT (If the vehicle is not equipped with an immobilizer, connect before programming)
- C** REQUIRED CONNECTION
- D** REQUIRED CONNECTION
- E** OPTIONAL CONNECTION
- F** 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.

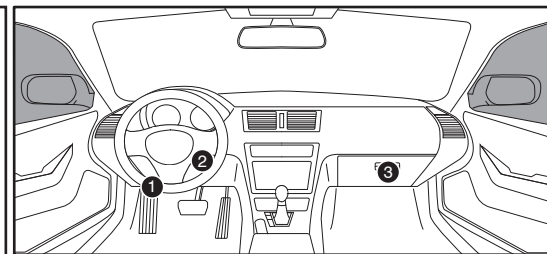
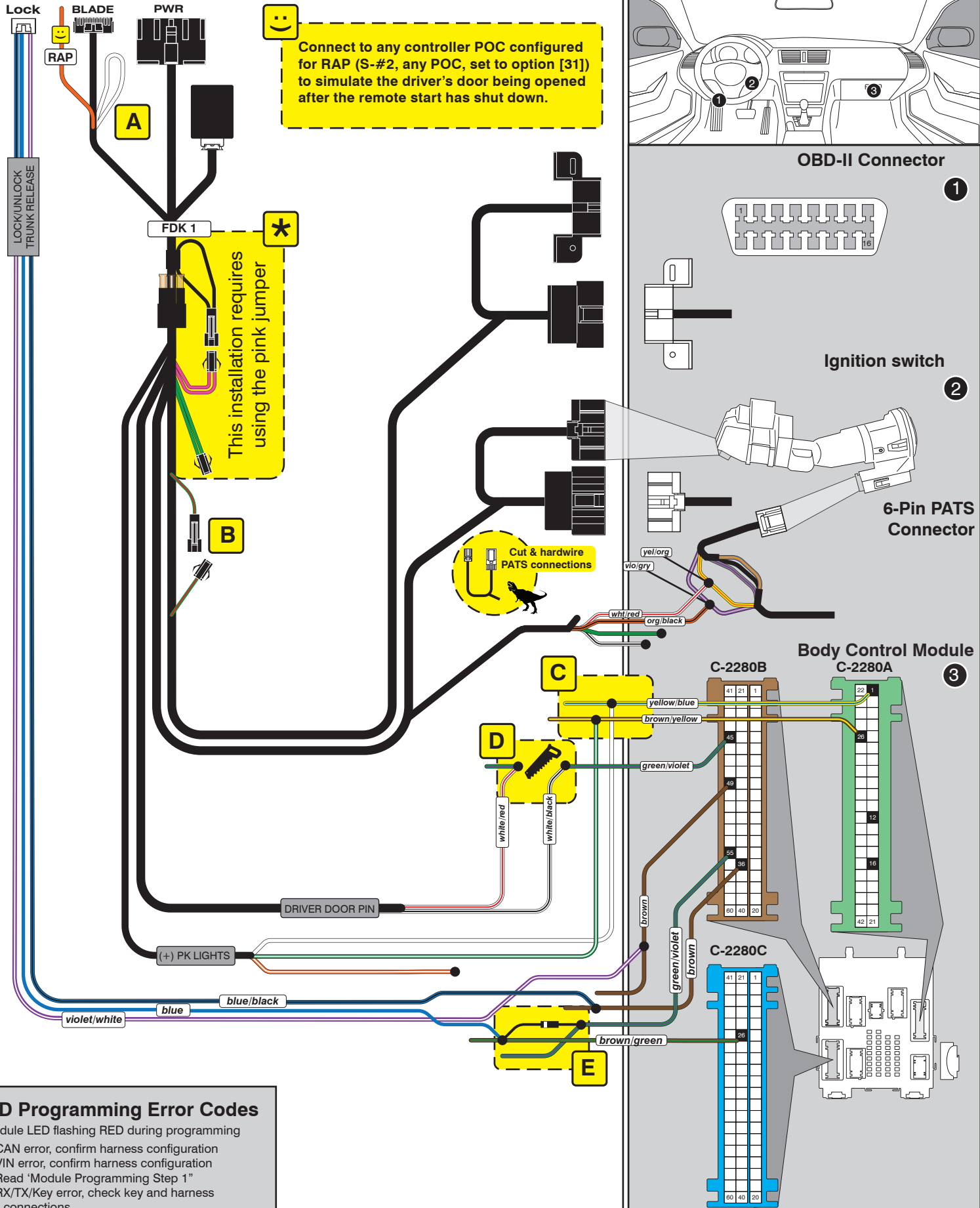
**Jumper Setting**

Parking Light				(+)Door Trigger In
Accessory				(-)Door Trigger In
Ignition (Default)				(Default)
Trunk				Starter
Starter				Ignition
Parking Light (Default)				Accessory (Default)

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

**CM-900S/900AS**

**CM900AS/900S Jumper**



OBD-II Connector

1

Ignition switch

2

6-Pin PATS Connector

3

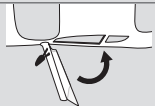
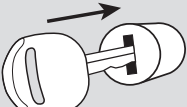
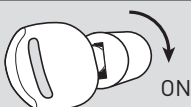
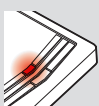
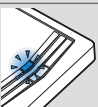
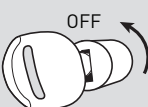
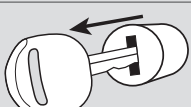
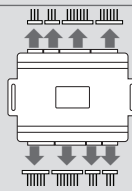
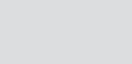

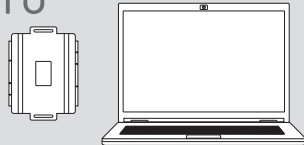
Body Control Module

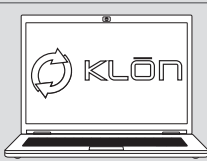

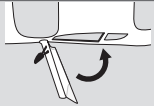
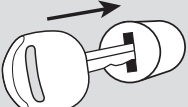
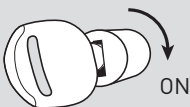

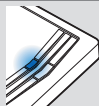
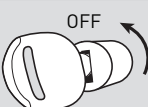
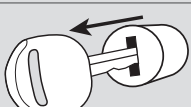
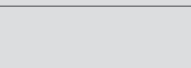
C-2280B

C-2280A

C-2280C

## 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.