FTI-FDK1: Vehicle Coverage and Preparation Notes

FIRSTECH, LLC.
SUPPORT - 1(888) 820-3690, EXT. 203

Make	Model	Year	Install	CAN	Lights	Clutch	Trunk	IGN Jumper
DL-FM4					Park / Auto			
Ford	Focus STD Key M/T	2014-15	Type 15M	OBD-II	1/26 (42)	Page 3	BRN 49/60	PINK

This installation requires **BLADE-AL(DL)-FM4**, flash module and update the controller firmware. 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 programming 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 connectorC-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

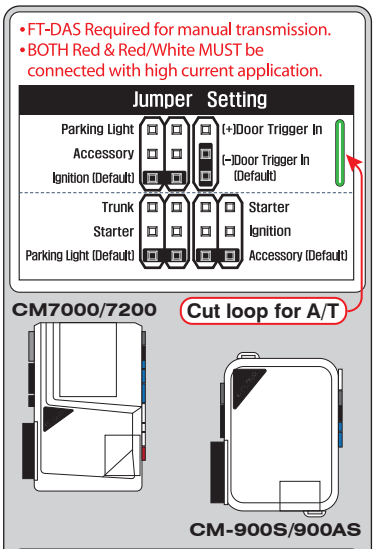
A DO NOT CUT

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		RAP SHUTDOWN	BRAKE STATUS	HOOD STATUS	TACH OUTPUT			A/M CONTROL	PARKING LIGHTS		

FTI-FDK1 - DL-FM4 - Type 15 2014-15 Ford Focus STD Key M/T

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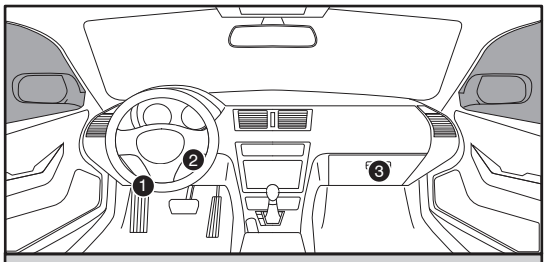
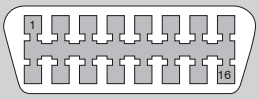
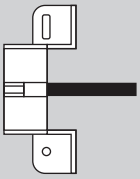
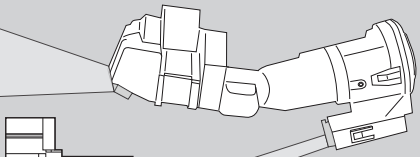


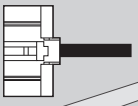
OBD-II Connector 1

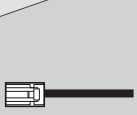




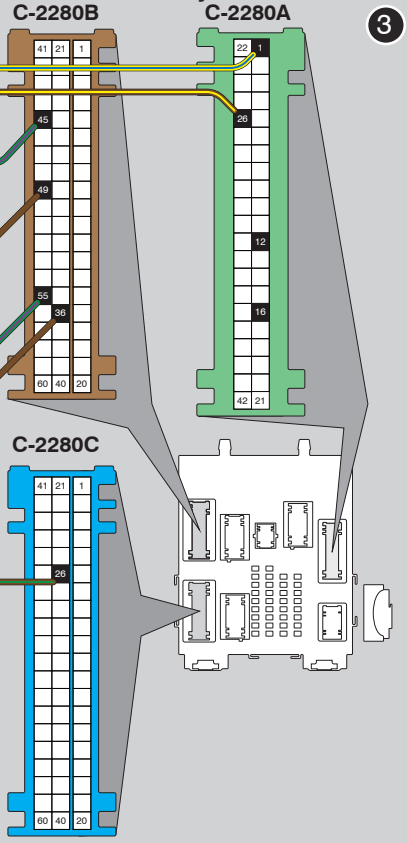
Ignition switch 2

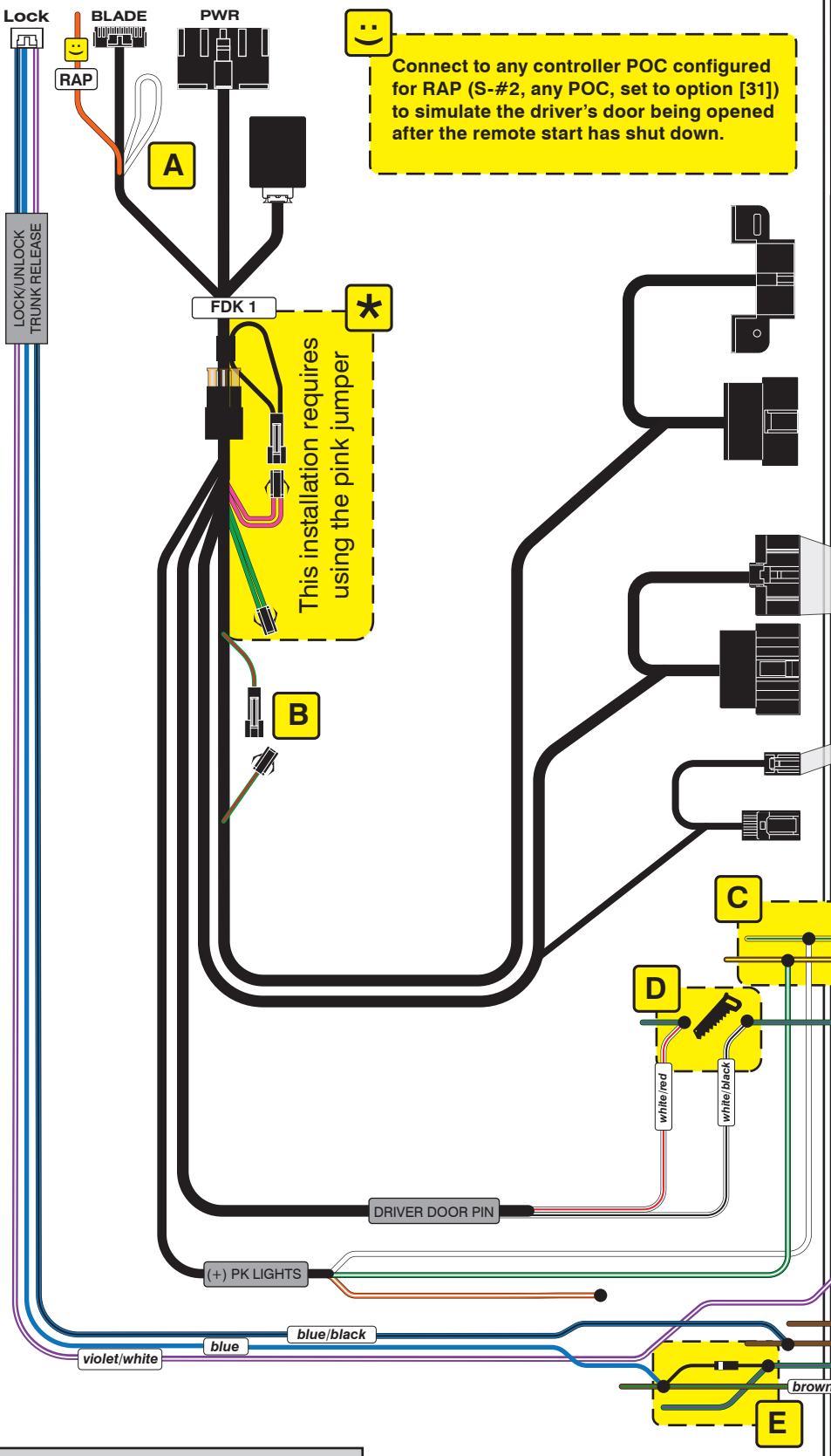






Body Control Module 3





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.

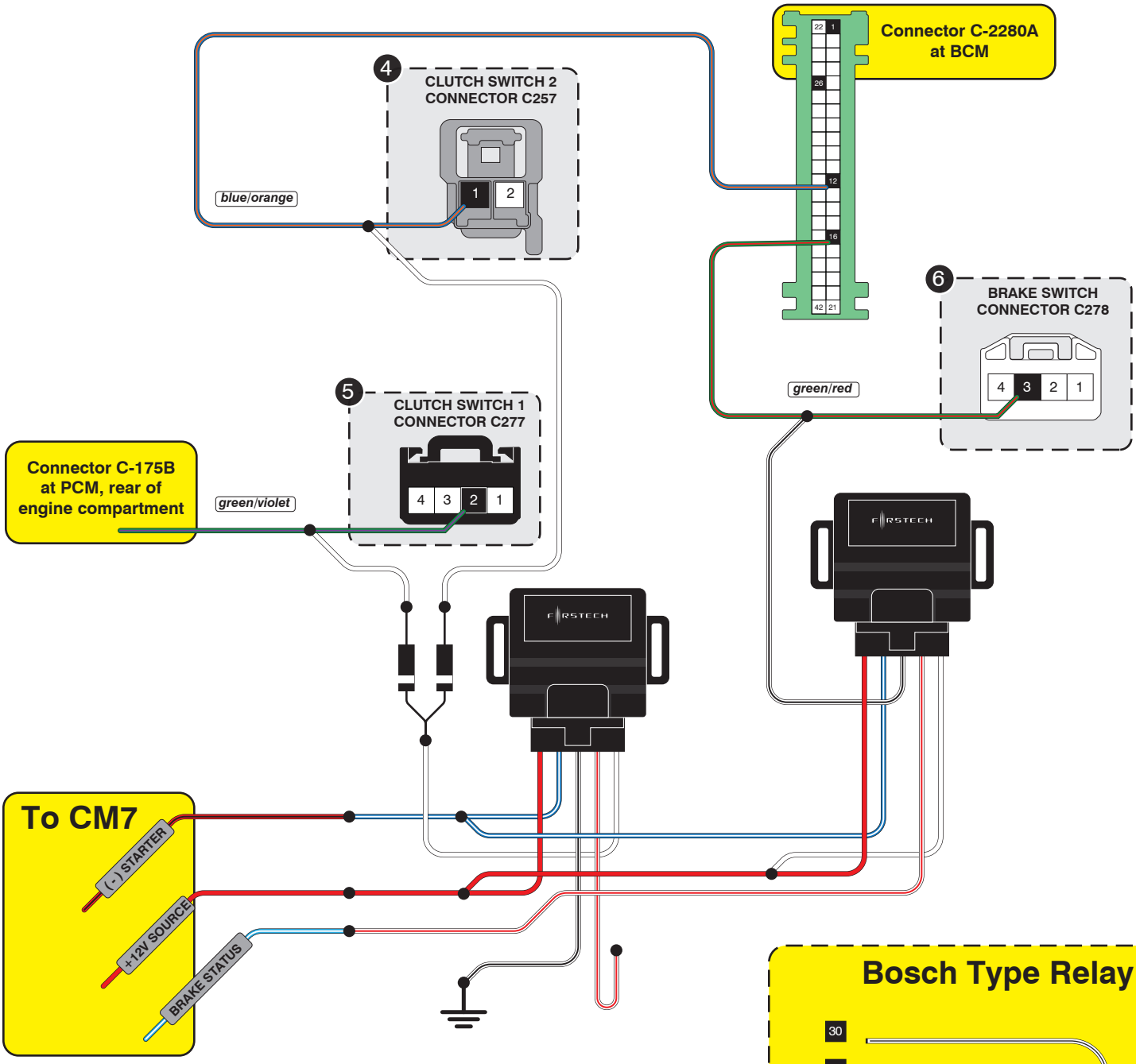
LED Programming Error Codes

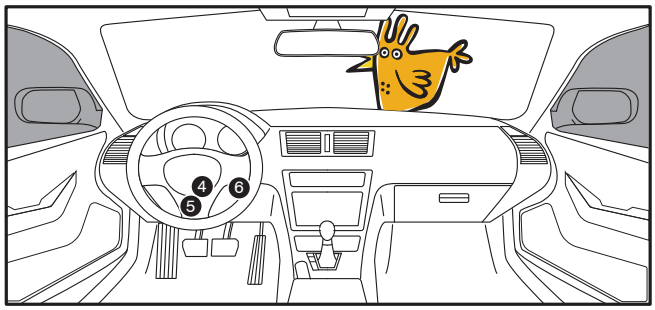
Module LED flashing RED during programming

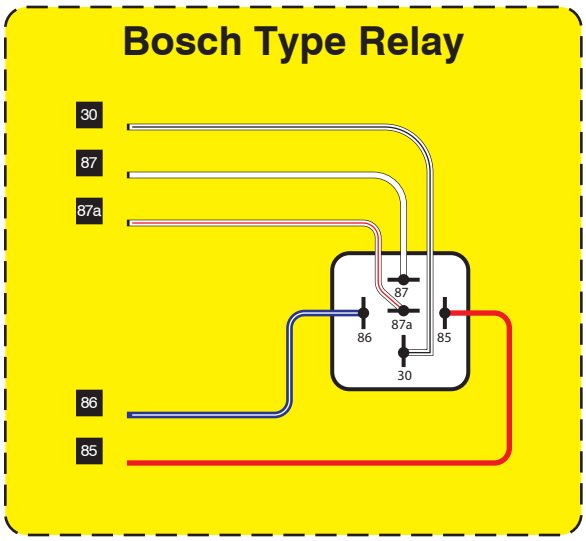
1x - CAN error, confirm harness configuration
2x - VIN error, confirm harness configuration
3x - Read 'Module Programming Step 1"
4x - RX/TX/Key error, check key and harness connections
5x - 40bit Transponder detected... should never happen, contact support
6x+ - KLON failure, start over or contact support

FTI-FDK1 Type M Clutch Wiring Diagram

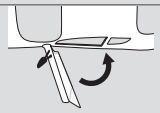
Manual transmission applications require additional wiring to interface with the vehicle clutch circuit, bypassing the need to depress the clutch pedal during remote start, and to provide brake status during the remote start sequence. Use two relays (standard Bosch type or FT-RLY-10A pictured), one to supply ground to the two clutch circuits, and a second to supply brake status to the vehicle during start, while interrupting brake status to the CM7 controller. The required wiring can be located at the three switches indicated or in the harnesses extending toward the vehicle BCM.



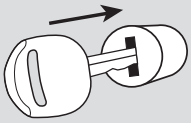




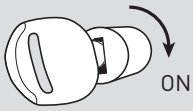
MODULE PROGRAMMING PROCEDURE - STD KEY

1 

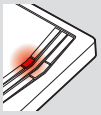
Close all vehicle doors and trunk/hatch.

2 

Insert key into ignition.

3 

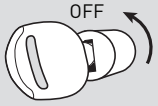
Turn key to ON position.



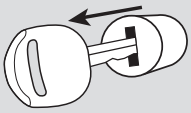
LED will turn solid RED.

4 

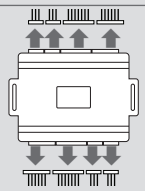
Wait, LED will flash BLUE rapidly. (This may take up to 15 seconds)

5 

Turn key to OFF position.

6 

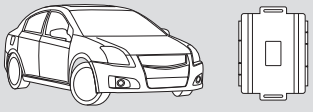
Remove key.

7 

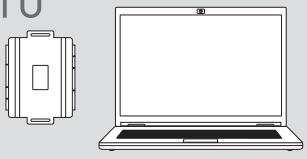
Disconnect all connectors from remote starter except the power connector.

8

Disconnect the power connector.

9 

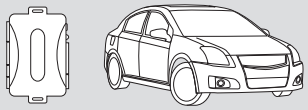
Remove remote starter from vehicle.

10 

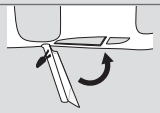
Connect remote starter to computer.

11 

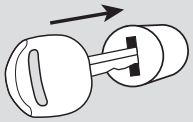
Proceed with extended programming.

12 

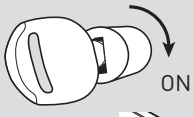
Connect module to vehicle.

13 

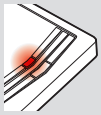
Close all vehicle doors and trunk/hatch.

14 

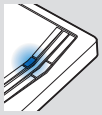
Insert key into ignition.

15 

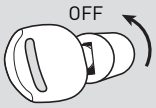
Turn key to ON position.



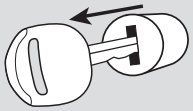
LED will turn solid RED.

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.