# FTI-FDK1: Vehicle Coverage and Preparation Notes

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

| Make | Model | Year | Install | CAN | Lights | Trunk/ Liftgate | IGN | I/O Changes |
|---|---|---|---|---|---|---|---|---|
| **DL-FM3** | | | | | **Park / Auto** | | | **Green White/Blue** |
| Ford | Fiesta 80 bit Key | 2014-19 | Type 10 | OBD-II | B | BCM | PINK | N/A |

**Firmware:** This installation uses **BLADE-AL(DL)-FM3** firmware, flash module and update the controller firmware before installing.

**Controller Configuration:** Set feature 1-11 to option 2 (Ignition pulse - same timing as disarm pulse) for proper handling of OEM alarm.

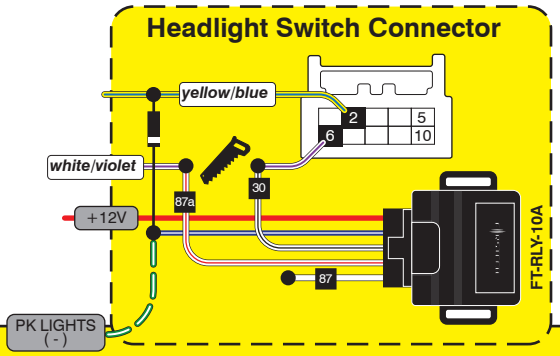
**Installation: Type 10** requires cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

**Door Locks: Type B Lock**: ***brown*/*white*** (pin #20, white 24-pin BCM connector), **Unlock**: ***blue*/*brown***, (pin #8, gray 24-pin BCM connector), **Disarm**: ***violet*/*brown***, (pin #9, gray 24-pin BCM connector).

**Trunk:** Trunk release is ***green*/*white***, pin #6, gray 24-pin BCM connector.

**Parking Lights:** *See illustration.*
Parking lights ( - ) negative: ***yellow*/*blue***, pin #2 at headlight switch
Lights-off (open): ***white*/*violet***, pin #6 at headlight switch

**RAP:** Driver door pin (pin#10, ***green*/*violet***, GRAY 24-pin BCM connector)




**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.**

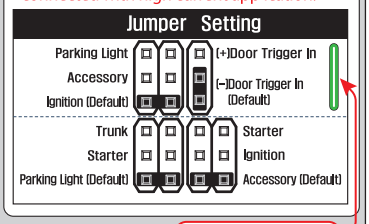
## FTI-FDK1 - Installation and Configuration Notes

- **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**

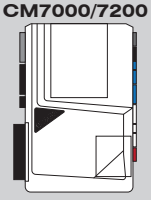
| IMMOBILIZER DATA | | DOOR LOCK | DOOR UNLOCK | ARM OEM ALARM | DISARM OEM ALARM | TRUNK/HATCH RELEASE | | | | DOOR STATUS | | RAP SHUTDOWN | BRAKE STATUS | HOOD STATUS | TACH OUTPUT | | | A/M CONTROL | PARKING LIGHTS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|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

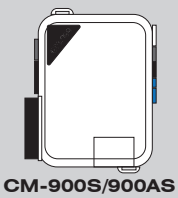
- FT-DAS Required for manual transmission.
- BOTH Red & Red/White MUST be connected with high current application.




**CM7000/7200**

Cut loop for A/T





**CM-900S/900AS**

**CM900AS/900S Jumper**

# FTI-FDK1 - DL-FM3 - Type 10 2014-19 Ford Fiesta 80 bit Key

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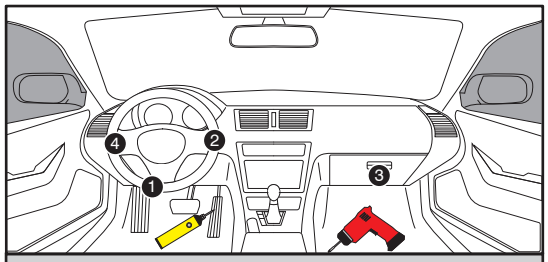
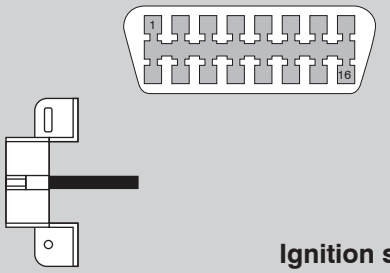



Connect to any controller POC configured for RAP (S-#2, any POC, set to option [31]) to simulate the driver's door being opened after the remote start has shut down.

Lock
BLADE
PWR
RAP
A
PK LIGHTS (-)
LOCK/UNLOCK TRUNK RELEASE
FDK 1
*
This installation requires using the *pink* jumper
B
C
DRIVER DOOR PIN
white/red
white/black
green/violet
(+) PK LIGHTS
brown/white
violet/brown
blue/black
blue
violet/white
D
blue/brown
green/white
E
green/white
F

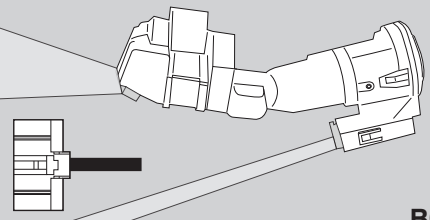
## OBD-II Connector

1



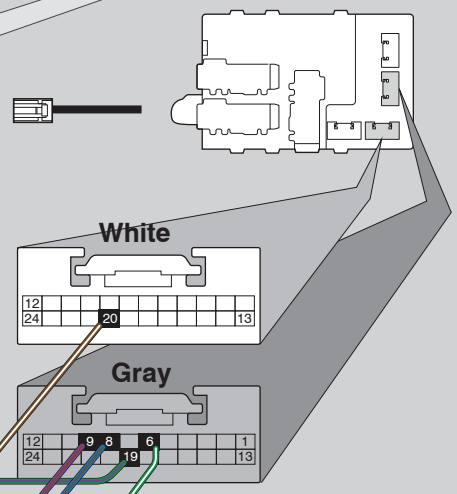

## Ignition switch

2



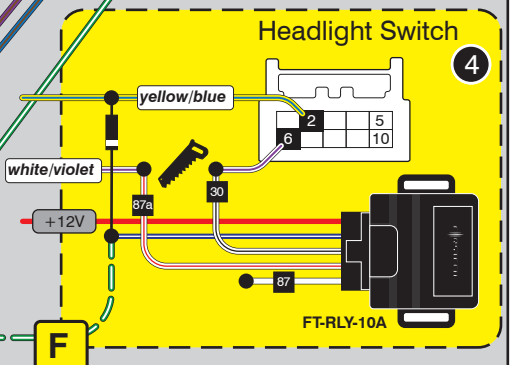
## BCM

3




## Headlight Switch

4




## LED Programming Error Codes

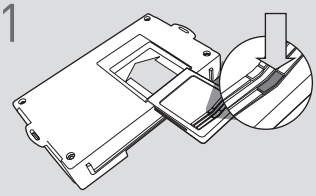
Module LED flashing RED during programming

1x - CAN error, check wiring
2x - VIN error, check CAN wiring
3x - Wrong firmware, confirm firmware flashed
4x - VIN error, vehicle not identified, contact support
5x - Immobilizer learn error, check RX/TX wiring
**Rapid red flash - RX/TX issue, reverse wires, confirm 2 different keys, confirm immobilizer is operational
9x - Key in cylinder, remove and proceed

Patent No. US 8,856,780 CA 2759622



## CARTRIDGE INSTALLATION

1 

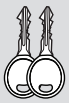
Slide cartridge into unit. Notice button under LED.

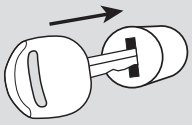
2 Ready for Module Programming Procedure.

## MODULE PROGRAMMING PROCEDURE - 1 OF 2

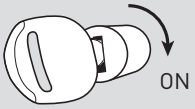
### NOTE

I To complete this procedure, both OEM keys are required.

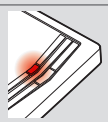


1 

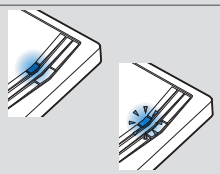
Insert key 1 into ignition.

2 


Turn key 1 to ON position.

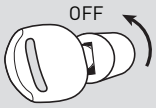
3 

LED will turn solid RED.

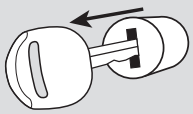
4 

If LED turns solid BLUE, proceed with step 21.

If LED flashes BLUE, proceed with step 5.

5 

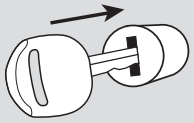

Turn key 1 to OFF position.

6 

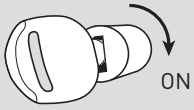
Remove key 1.

7 

Wait, LED will turn OFF. (This may take up to 30 seconds.)

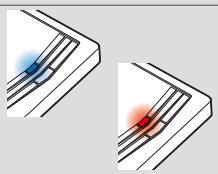
8 

Insert key 1 into ignition.

9 

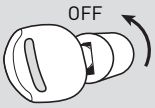

Turn key 1 to ON position.

! If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.

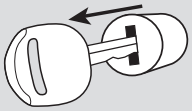
10 

If LED turns solid BLUE for 2 seconds, proceed with step 21.

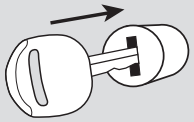
If LED turns solid RED, proceed with step 11 within 5 seconds, after LED turns OFF.

11 


Turn key 1 to OFF position.

12 

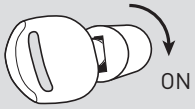
Remove key 1.

13 

Insert key 2 into ignition.

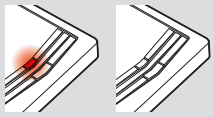
IMPORTANT: READ NEXT PAGE !

## MODULE PROGRAMMING PROCEDURE - 2 OF 2

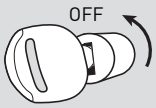
14 


Turn key 2 to ON position.

TIME RESTRICTION COMING UP !

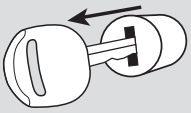
15 

Wait, LED will turn solid RED then will turn OFF.

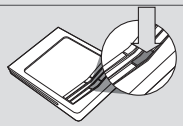
16 


TIME RESTRICTION
Complete steps 16 to 20 within 5 seconds.

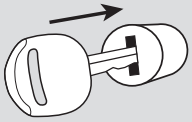
Turn key 2 to OFF position.

17 

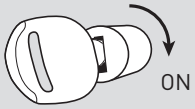
Remove key 2.

18 

Press and release programming button.

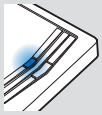
19 

Insert key 2 into ignition.

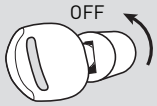
20 


Turn key 2 to ON position.

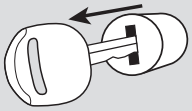
Do not start vehicle.

21 

Wait, LED will turn solid BLUE for 2 seconds.

22 


Turn key 2 to OFF position.

23 

Remove key 2.

24 Module Programming Procedure completed.