

# FTI-FDK1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	Trunk/Liftgate	Brake	I/O Changes
DL-FM2 Ford	Fiesta Key	2011-13	Type 4	OBD-II	Park / Auto B	BCM	N/A	Green White/Blue N/A

### Firmware:

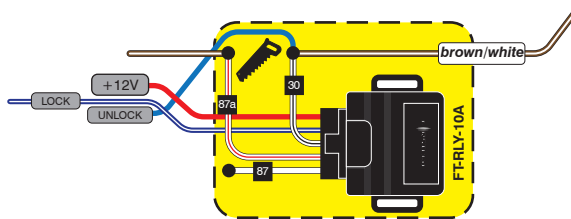
Covered vehicle uses **BLADE-AL(DL)-FM2** firmware, flash module and update the controller firmware before installing.

### Controller Configuration:

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

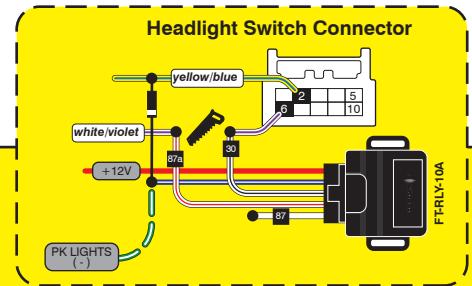
### Door Locks:

Fiesta door locks are controlled by a single wire. **Unlock** is controlled by supplying a (-) negative pulse to the vehicle wire (pin #8, **brown/white**, white 24-pin BCM connector), **Lock** is controlled by presenting an open circuit condition to the same wire. See diagram below or in installation guide for detailed connection instructions.



### Parking Lights:

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



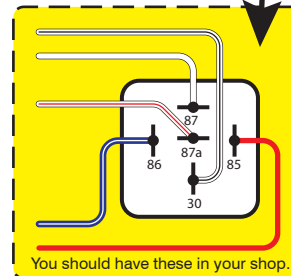
**\*** Please note that the harness has changed, jumpers have been added that allow selecting between IGN and PATS power for BLADE programming. This install type does not require using these jumpers, do not connect.

## FTI-FDK1 - Installation and Configuration Notes

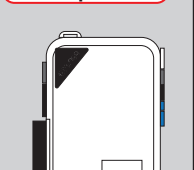
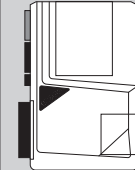
- A** DO NOT CUT - DL-FM3 TX loop
- B** DO NOT CONNECT unless vehicle has NO IMMOBILIZER
- C** DOOR LOCK CONNECTIONS
- D** RAP CONTROL
- E** CONNECT FOR AUTO-LIGHTS

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

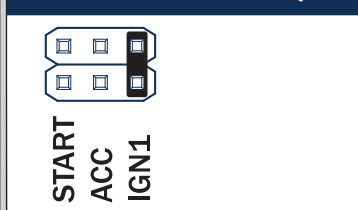


CM7000/7200 **Cut loop for A/T**



CM-900S/900AS

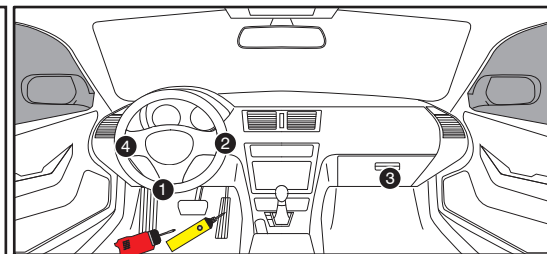
### CM900AS/900S Jumper



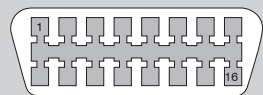
FEATURE COVERAGE																							
IMMOBILIZER DATA	<input type="checkbox"/>	DOOR LOCK	<input type="checkbox"/>	DOOR UNLOCK	<input type="checkbox"/>	ARM OEM ALARM	<input type="checkbox"/>	DISARM OEM ALARM	<input type="checkbox"/>	TRUNK/HATCH RELEASE	<input type="checkbox"/>	DOOR STATUS	<input type="checkbox"/>	RAP SHUTDOWN	<input type="checkbox"/>	BRAKE STATUS	<input type="checkbox"/>	HOOD STATUS	<input type="checkbox"/>	TACH OUTPUT	<input type="checkbox"/>	PARKING LIGHTS	<input type="checkbox"/>

☺  
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.

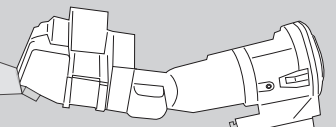
\*  
Not required in this install type.  
Secure as needed.



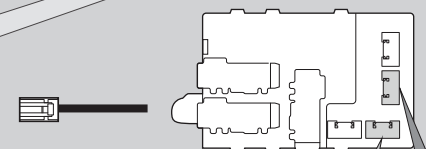
OBD-II Connector 1



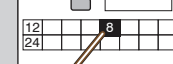
Ignition switch 2



BCM 3



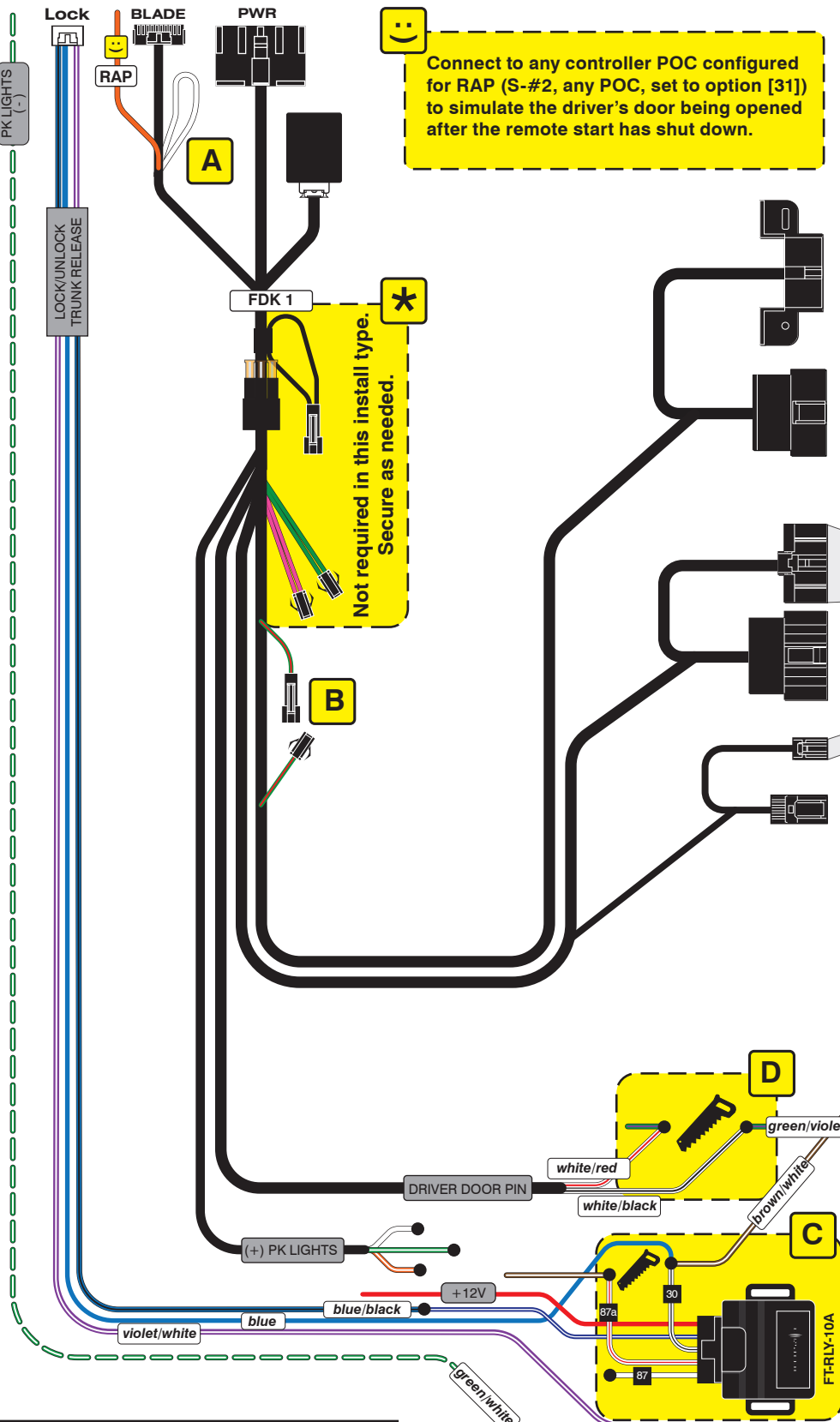
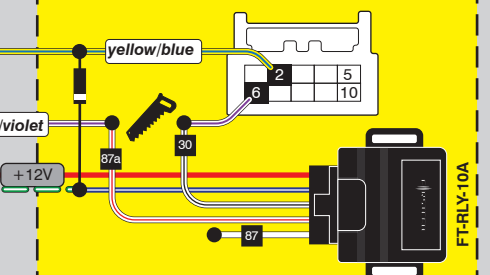
White



Gray



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
  - 6x - KLON error, check RX/TX wiring, confirm pin positions
  - 7x - KLON error, process failed, reset module and start over
  - 8x - Encryption error, confirm key encryption, 80 bit detected
  - 9x - Key in cylinder, remove and proceed

## CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

## MODULE PROGRAMMING PROCEDURE - WITH ONE OEM KEY & KLON



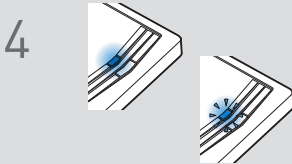
1 Insert key into ignition.



2 Turn key to ON position.



3 LED will turn solid RED.



4 If LED turns solid BLUE, proceed with step 13.

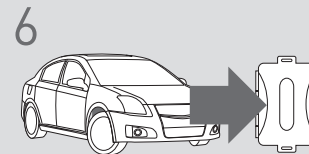
If LED flashes BLUE, proceed with step 5.



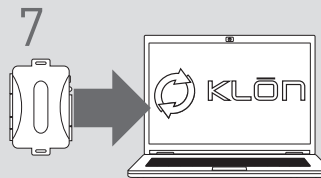
If the LED begins to flash RED/BLUE, the key has an 80-bit encryption that is not covered by KLON.



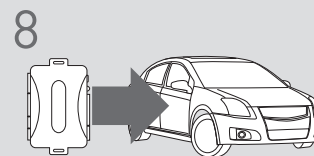
5 Turn key to OFF position.



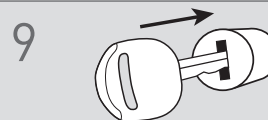
6 **WARNING:**  
Disconnect power last.  
Disconnect module from vehicle.



7 Connect module to computer and proceed with extended programming.



8 **WARNING:** Do not press module programming button.  
Connect power first.  
Connect module to vehicle.



9 Insert key into ignition.



10 Turn key to ON position.



11 Wait, LED will turn solid BLUE for 2 seconds.



12 Turn key to OFF position.

13

Module Programming Procedure completed.

## MODULE PROGRAMMING PROCEDURE - WITH TWO OEM KEYS

### NOTE

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



II Keep both OEM remotes at least 10 feet away from the vehicle.



Use both valet keys for the module programming procedure.

1 Insert key 1 into ignition.



2 Turn key 1 to ON position.



3 If LED turns solid BLUE, proceed with step 18.

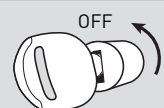


If LED turns solid RED, proceed with step 4.

4 Wait, LED will flash BLUE. (This may take up to 10 seconds.)



5 Turn key 1 to OFF position.

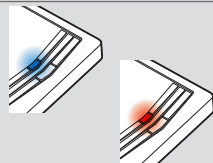


6 Turn key 1 to ON position.



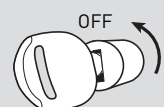
**!** If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.

7 If LED turns solid BLUE for 2 seconds, proceed with step 18.

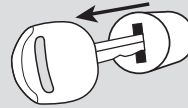


If LED turns solid RED, proceed with step 8 within 5 seconds, after LED turns OFF.

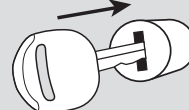
8 Turn key 1 to OFF position.



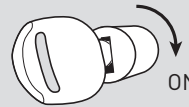
9 Remove key 1.



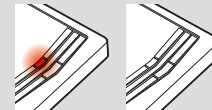
10 Insert key 2 into ignition.



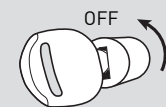
11 Turn key 2 to ON position.



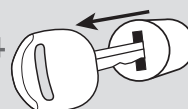
12 Wait, LED will turn solid RED then will turn OFF.



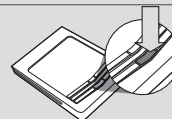
13 Turn key 2 to OFF position.



14 Remove key 2.



15 Press and release programming button.

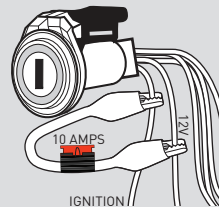


16 Remote start vehicle.



OR

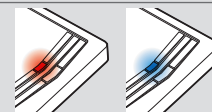
Jump the ignition to 12volts.



IGNITION

**!** If the LED begins to flash RED, you are using a cloned key or used the same key twice.

17 Wait, LED will turn solid RED then will turn solid BLUE.



18 Module Programming Procedure completed.