FTI-FDK1: Vehicle Coverage and Preparation Notes

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Make	Model	Year	Install	CAN	Lights	Trunk/Liftgate	IGN	I/O Changes
DL-FM3 Ford	Expedition 80 bit Key	2015-17	Type 9	OBD-II	**Park / Auto** A	BCM/SW	GREEN	**Green White/Blue** N/A

Firmware: This installation uses **BLADE-AL(DL)-FM3**, 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 9 requires cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

Locks: Type A locks at 26-pin BCM connector, Lock: Pin #6, white/brown, Unlock: Pin #8, blue/brown.

Rear hatch release: (-) at black 26-pin BCM connector (pin #23, brown), also available at hatch release switch connector (pin #7, gray/yellow)

Parking lights: If vehicle is not equipped with auto-lights, + parking lights are available at the gray 10-pin BCM connector (pin #6, yellow/blue).

RAP: RAP handling, connect to driver door pin at black 26-pin BCM connector, pin#9, green/violet.

✱

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 GREEN 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 OPTIONAL CONNECTION

E REQUIRED CONNECTION

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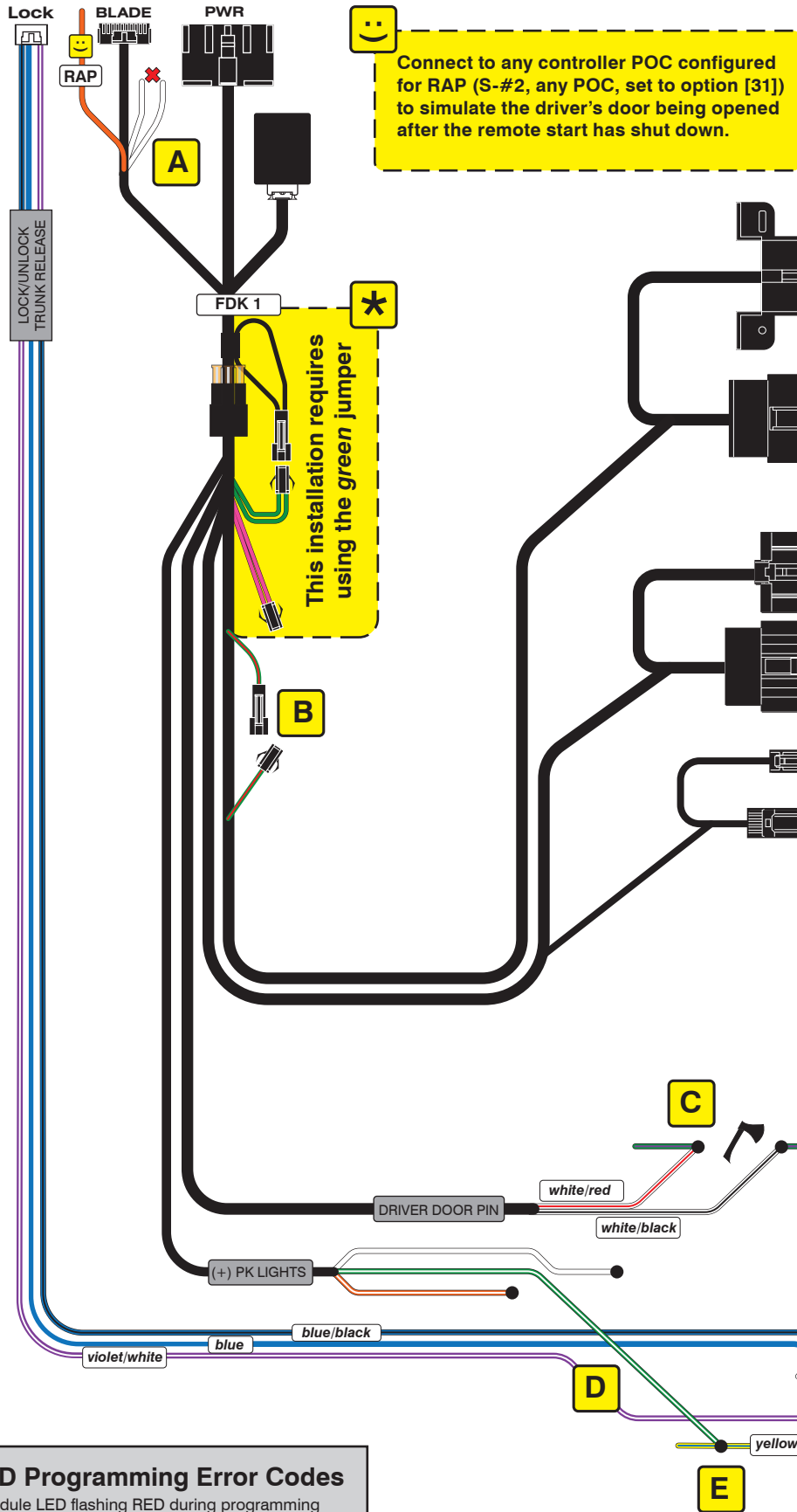- BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting

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

CM7000/7200

Cut loop for A/T

CM-900S/900AS

CM900AS/900S Jumper

START
ACC
IGN1

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
○	○	○	○	○	○	○	○	○	○	○	○	○

Lock   BLADE   PWR

RAP

A

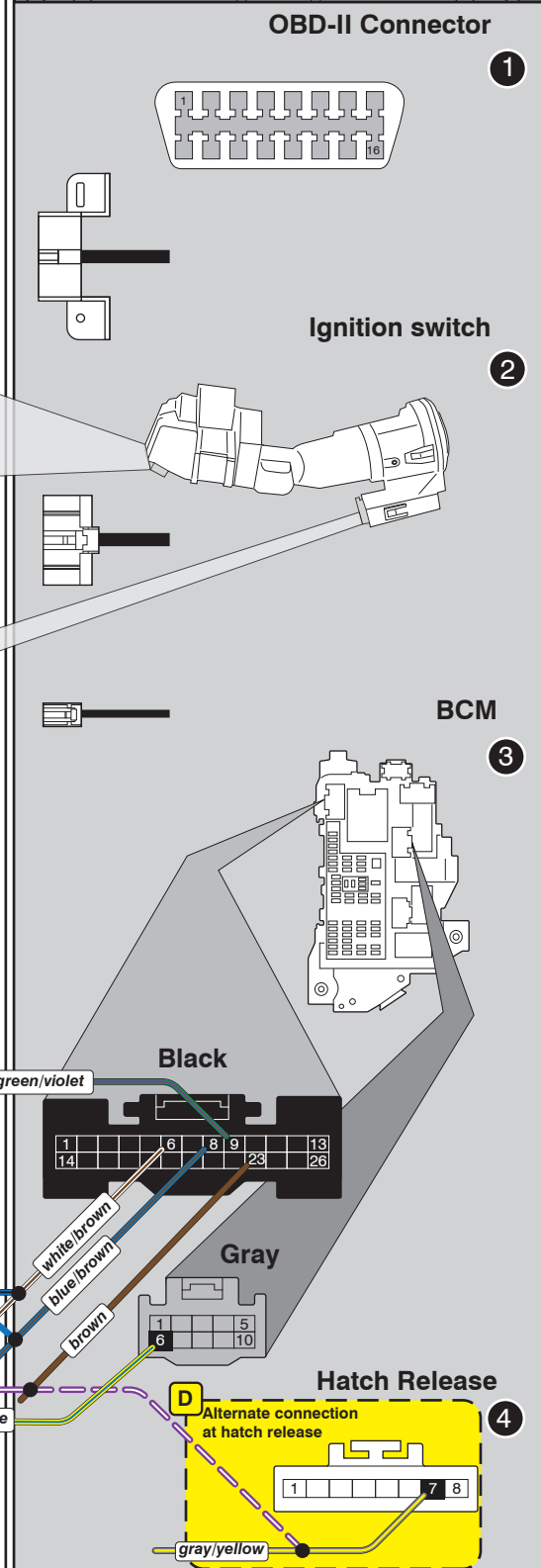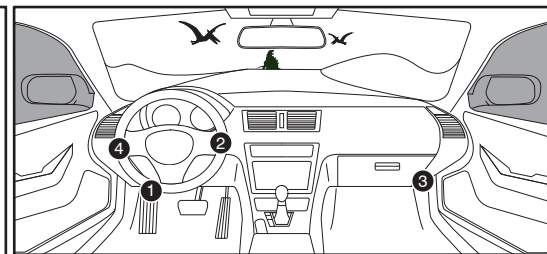**:)** Connect to any controller POC configured for RAP (S-#2, any POC, set to option [31]) to simulate the driver's door being opened after the remote start has shut down.

LOCK/UNLOCK
TRUNK RELEASE

FDK 1

*

This installation requires using the *green jumper*

B

C

green/violet

white/red

DRIVER DOOR PIN

white/black

(+) PK LIGHTS

blue/black

blue

Black

1			6		8	9		13
14							23	26

white/brown
blue/brown
brown

Gray

violet/white

D

1				5
6				10

yellow/blue

E

D   Alternate connection at hatch release

Hatch Release

1			7	8

gray/yellow

OBD-II Connector   1

Ignition switch   2

BCM   3

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

INSTALL GUIDE

BLADE
SERIES

DOORLOCK INTERFACE
FORD/LINCOLN

Patent No. US 8,856,780 CA 2759622

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CARTRIDGE INSTALLATION

1 Slide cartridge into unit. Notice button under LED.
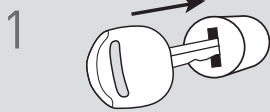
2 Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE - 1 OF 2

NOTE

I   To complete this procedure, both OEM keys are required.
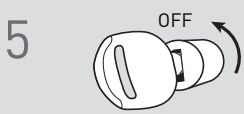
1 Insert key 1 into ignition.

2 Turn key 1 to ON position.
ON

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.
OFF
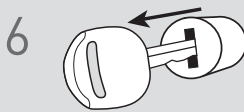
6 Remove key 1.

7 Wait, LED will turn OFF. (This may take up to 30 seconds.)
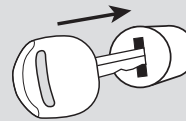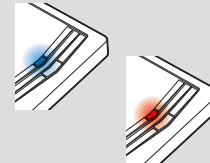
8 Insert key 1 into ignition.
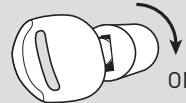
9 Turn key 1 to ON position.
ON

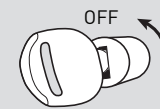**!** If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.

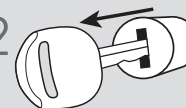**10** If LED turns solid BLUE for 2 seconds, proceed with step 21.

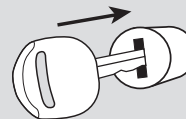If LED turns solid RED, proceed with step 11 within 5 seconds, after LED turns OFF.

11 Turn key 1 to OFF position.
OFF

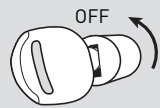**12** Remove key 1.

13 Insert key 2 into ignition.

IMPORTANT: READ NEXT PAGE !

INSTALL GUIDE

BLADE
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MODULE PROGRAMMING PROCEDURE - 2 OF 2

14 Turn key 2 to ON position.

ON

TIME RESTRICTION COMING UP !

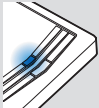**15** Wait, LED will turn solid RED then will turn OFF.

16 OFF **TIME RESTRICTION**
Complete steps 16 to 20 within 5 seconds.
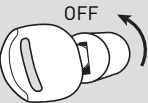
Turn key 2 to OFF position.

17 Remove key 2.

18 Press and release programming button.

19 Insert key 2 into ignition.

20 Turn key 2 to ON position.

ON Do not start vehicle.

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

22 OFF Turn key 2 to OFF position.

23 Remove key 2.

24 Module Programming Procedure completed.