Make	Model	Year	Install	CAN	Lights	Trunk/ Liftgate	IGN	I/O Changes
DL-FM3 Ford	Transit 80 bit Key	2015-19	Type 11	OBD-II	Park / Auto C	N/A	GREEN	Green White/Blue N/A

Firmware: This installation requires **BLADE-AL(DL)-FM3**, flash module and update the controller firmware before installing. Be advised that most trim levels of the Transit do not have an active immobilizer system, please confirm whether vehicle is equipped before installation.

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

Installation: If the vehicle is equipped with an immobilizer, the **type 11 install** requires cutting the FM3 TX loop, located near the harness BLADE connector. Cut loop before programming to vehicle.

Locks: Type A door lock connections are at the BCM, **brown** 67-pin connector, Lock: (*gray*/*yellow*, pin #25), Unlock: (*violet*/*gray*, pin #56).

Parking lights: The Transit has four (4) independent light circuits to connect, they are as follows:
Front Rear - **brown**/**yellow**, pin #66 of brown 76-pin connector at BCM
Right Rear - **white**/**orange**, pin #67 of brown 76-pin connector at BCM
Front Left - **green**/**orange**, pin #14 of brown 46-pin connector at BCM
Rear Left - **violet**/**green**, pin #15 of brown 46-pin connector at BCM

Immobilizer: Confirm before the installation whether or not the vehicle is with an active immobilizer system. If the vehicle is not equipped, connect immobilizer delete provision **[B]** on the harness before programming to vehicle.

✱

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 configuration will not work.

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

• 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 • RAP SHUTDOWN • BRAKE STATUS • TACH OUTPUT • PARKING LIGHTS •

Lock **BLADE** **PWR**

LOCK/UNLOCK
TRUNK RELEASE

A

FDK 1

*

This installation requires using the green jumper

B

OBD-II Connector **1**

16

Ignition switch **2**

BCM **C**

1

2

Brown

| 18 | 36 | 54 | | 65 | 76 |

| | | | | |

| | | 63 | 74 | |

DRIVER DOOR PIN

white/red

white/black

C

green/violet

44

25

56 67

1 19 37 66

Brown

(+) PK LIGHTS

blue/black

violet/white *blue*

gray/yellow

violet/gray

white/orange

violet/green

brown/yellow

green/orange

D

46 15
14

31 24 22

23

25 16

32 1

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

Page 7 of 9   COM-BLADE-AL(DL)-FM3-EN   Doc. No.: ##71643##   20200925

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.
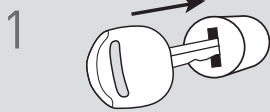
1 Insert key 1 into ignition.

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.
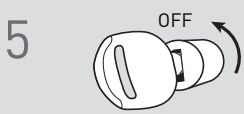
5 Turn key 1 to OFF position.
OFF
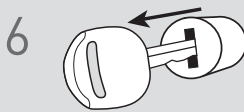
6 Remove key 1.

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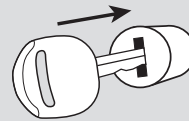
8 Insert key 1 into ignition.
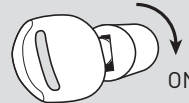
9 Turn key 1 to ON position.
ON

! If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.
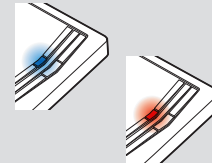
10 If LED turns solid BLUE for 2 seconds, proceed with step 21.

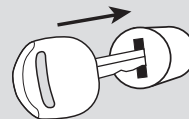If LED turns solid RED, proceed with step 11 within 5 seconds, after LED turns OFF.

11 Turn key 1 to OFF position.
OFF
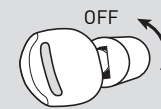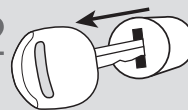
12 Remove key 1.

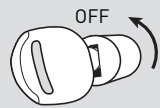**13** Insert key 2 into ignition.

⬇ IMPORTANT: READ NEXT PAGE !

MODULE PROGRAMMING PROCEDURE - 2 OF 2

14 Turn key 2 to ON position.
ON

TIME RESTRICTI⊙N COMING UP !

15 Wait, LED will turn solid RED then will turn OFF.
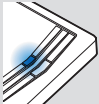
16 OFF — **TIME RESTRICTI⊙N**
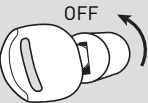Complete steps 16 to 20 within 5 seconds.

Turn key 2 to OFF position.

17 Remove key 2.

18 Press and release programming button.

19 Insert key 2 into ignition.

20 ON — Turn key 2 to ON position.

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.