Make	Model	Year	Install	CAN	Lights	Trunk/ Liftgate	IGN	I/O Changes
DL-FM3 Lincoln	MKX 80 bit Key	2011-12	Type 7	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 7 requires cutting the FM3 TX loop near the harness BLADE connector, cut loop before programming to vehicle.

Locks: Type A locks at black 26-pin connector, Lock: Pin #6, **blue**/**green**, Unlock: Pin #8, **yellow**/**violet.**

Rear hatch/trunk release: (-) at black 26-pin BCM connector (pin #23, **brown**), also available at release switch 6-pin connector (pin #6, **gray or brown**), or 8-pin connector (pin #7, **gray/yellow**)

Parking 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, 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 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 OPTIONAL CONNECTION

E REQUIRED CONNECTION

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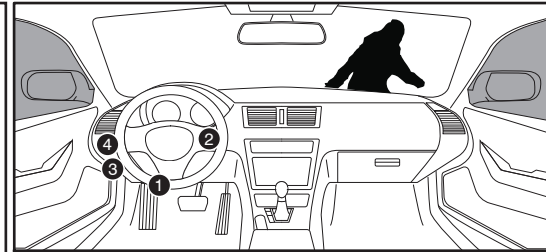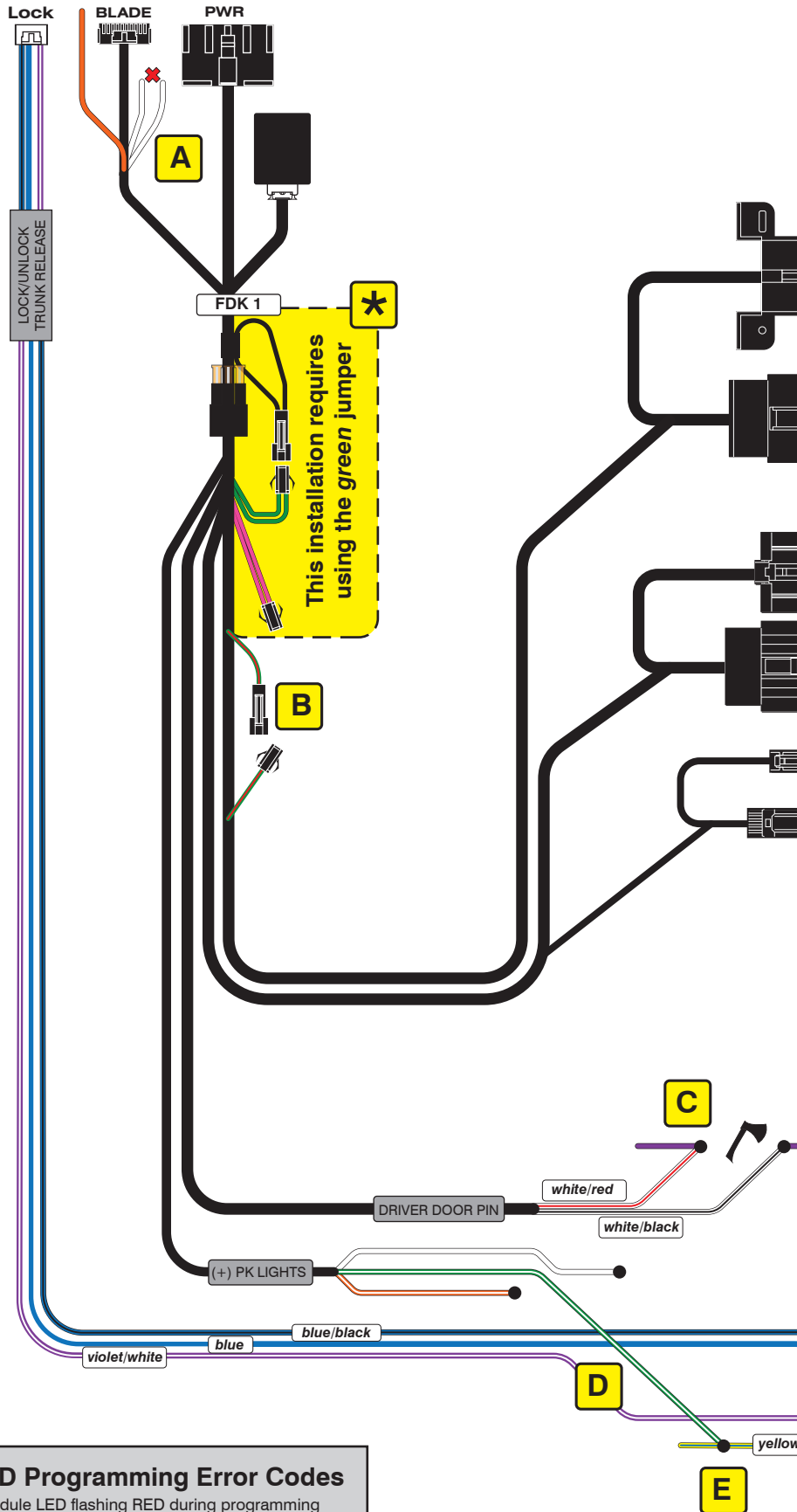• BOTH Red & Red/White MUST be connected with high current application.

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
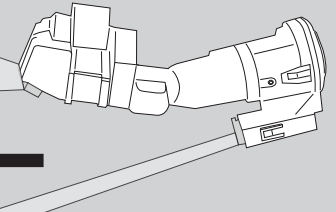
CM-900S/900AS

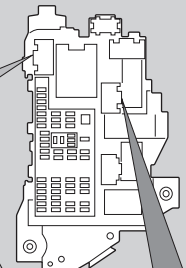**CM900AS/900S Jumper**

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

LOCK/UNLOCK
TRUNK RELEASE

A

FDK 1

*

This installation requires using the *green jumper*

B

OBD-II Connector **1**

16

Ignition switch **2**

BCM **3**

C

DRIVER DOOR PIN

white/red

white/black

violet

Black

| 1 | | | 6 | | 8 | 9 | | | 13 |
| 14 | | | | | | | 23 | | 26 |

blue/green
yellow/violet
brown

Gray

| 1 | | | 5 |
| 6 | | | 10 |

(+) PK LIGHTS

blue/black

blue

violet/white

D

brown

Hatch Release **4**

E

yellow/blue

D
Alternate connections at hatch release

| 1 | | 3 |
| 4 | | 6 |

or

gray
*brown

| 1 | | | | | | 7 | 8 |

gray/yellow

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

BLADE
SERIES

Patent No. US 8,856,780 CA 2759622

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

CARTRIDGE INSTALLATION
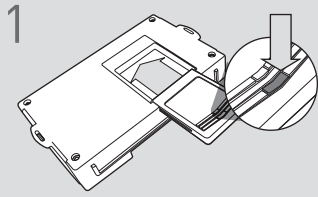
1 Slide cartridge into unit. Notice button under LED.
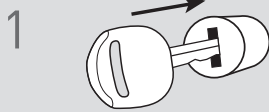
2 Ready for Module Programming Procedure.
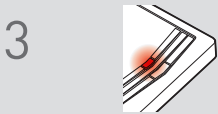
MODULE PROGRAMMING PROCEDURE - 1 OF 2

NOTE

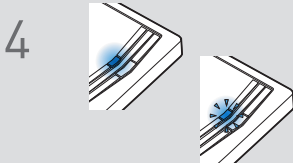I   To complete this procedure, both OEM keys are required.

1 Insert key 1 into ignition.
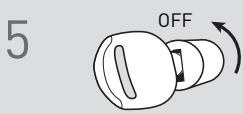
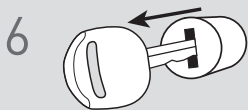**2** Turn key 1 to ON position.
ON

3 LED will turn solid RED.

4 If LED turns solid BLUE, proceed with step 21.

If LED flashes BLUE, proceed with step 5.

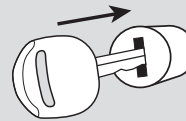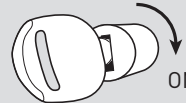**5** OFF   Turn key 1 to OFF position.

6 Remove key 1.

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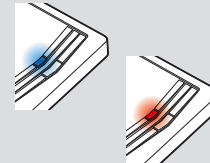
8 Insert key 1 into ignition.

9 Turn key 1 to ON position.
ON

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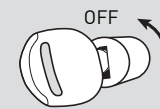
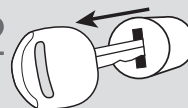**10** If LED turns solid BLUE for 2 seconds, proceed with step 21.

If LED turns solid RED, proceed with step 11 within 5 seconds, after LED turns OFF.
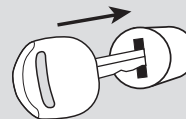
11 OFF   Turn key 1 to OFF position.

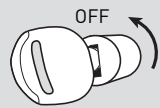**12** Remove key 1.

13 Insert key 2 into ignition.

⬇ IMPORTANT: READ NEXT PAGE !

INSTALL GUIDE

BLADE
S E R I E S

DOORLOCK INTERFACE
FORD/LINCOLN

Patent No. US 8,856,780 CA 2759622

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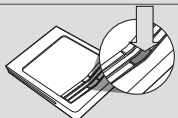## MODULE PROGRAMMING PROCEDURE - 2 OF 2

14 Turn key 2 to ON position.
ON

TIME RESTRICTION COMING UP !

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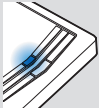
16 OFF   **TIME RESTRICTION**
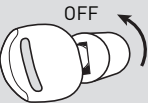Complete steps 16 to 20 within 5 seconds.

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.