# FTI-FDK2: Vehicle Coverage and Preparation Notes

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

| Make | Model | Year | Install | CAN | Lights | OEM RS | POC | I/O Changes |
|---|---|---|---|---|---|---|---|---|
| **DL-FM8** Ford | Expedition STD Key AT | 2018-21 | Type 1 | GTWY | **Park / Auto** A | N/A | N/A | **Green White/Blue** N/A |

**Firmware:** This installation requires **BLADE-AL(DL)-FM8** firmware, flash module and update the controller firmware before beginning the installation. This firmware requires the use of tach monitoring, please ensure that tach is programmed to avoid malfunction.

Confirm vehicle compatibility on the module flashing site before proceeding with installation.

*See compatibility note below.*

**Compatibility requirements:** In order to confirm firmware compatibility, please confirm vehicle is equipped with active hood pin switch. Hood ajar warning must be displayed in instrument cluster when hood is open and ignition is on. Additional dealer programming and switch installation or hood ajar circuit manipulation* is required if hood ajar warning is not displayed when confirming.

## FTI-FDK2: Installation and Configuration Notes

**A** REQUIRED FOR PART 1 PROGRAMMING

**B** REQUIRED FOR PART 2 PROGRAMMING

**C** SECURE BLADE CONNECTOR 'A' TO MAIN HARNESS



- 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 | POWER LIFTGATE | | DOOR STATUS | TRUNK STATUS | RAP SHUTDOWN | BRAKE STATUS | HOOD STATUS | TACH OUTPUT | HEATED MIRRORS | HEATED SEATS | SECURE TAKEOVER | PARKING LIGHTS | REAR DEFROST | AFTERMARKET CTRL |

**BLADE**

A

B

A

B

**PWR**

C

## Headlight Switch ❶

| 1 | | | | | 8 |
|---|---|---|---|---|---|
| 9 | | | | | 16 |

## Gateway Module ❷

| 13 | 24 | | | | | | 14 | 1 |
|----|----|----|----|----|----|----|----|---|
| | 12 | | | | | | 2 | |

## LED Programming Error Codes

Module LED flashing RED during programming

1x - No CAN activity, confirm BLADE 1 or BLADE 2 connector
2x - No ignition, confirm BLADE 1 or BLADE 2 connector
3x - No communication with BCM, confirm compatibility
4x - Unable to activate OEM RS, confirm compatibility
5x - Unable to activate OEM RS, firmware will not work
Fast Blink - CAN connection, reverse BLADE 1/2 connector

Patent No. US 8,856,780 CA 2759622

COM-BLADE-AL(DL)-FM8-EN                     Doc. No.:  ##74735##    20210310

## CARTRIDGE INSTALLATION

**1** Slide cartridge into unit. Notice button under LED.

**2** Ready for Module Programming Procedure.

## MODULE PROGRAMMING PROCEDURE

**1** CONNECT BLADE connector 'A', proceed with Step 1 programming

**2** OFF   ACC   ON   START — Set ignition to ON position.

**3** Wait, LED 1 will turn solid RED.

**4** Wait, LED 1 will flash BLUE once [1x].
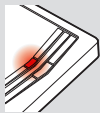
**5** Wait, LED 1 will turn solid RED.

**6** OFF   ACC   ON   START — Set ignition to OFF position.

**7** DISCONNECT BLADE connector 'A', CONNECT BLADE connector 'B'. proceed with Step 2 programming

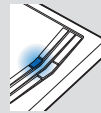**8** OFF   ACC   ON   START — Set ignition to ON position.
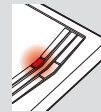
**9** Wait, LED 1 will turn solid RED.
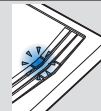
**10** Wait, LED 1 will flash BLUE rapidly.

**11** Wait, LED 1 will turn solid BLUE for 2 seconds.

**12** OFF   ACC   ON   START — Set ignition to OFF position.

**13** Module Programming Procedure completed.

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## TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

### NOTE

I   All vehicle doors must be closed and locked prior to remote start sequence.

**1**   Press unlock on OEM or aftermarket remote or request switch.

**2**   OFF   ACC   ON   START

ENGINE START STOP

DO NOT PRESS BRAKE PEDAL. Set ignition to ON position. Wait 2 seconds for key validation.

**3**   Press and release BRAKE pedal.

**4**   Take over procedure completed.

**!**   Failure to follow procedure will result in vehicle engine shutdown.