

FTI-FDK2: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	OEM RS	POC	I/O Changes
DL-FM8								
Ford	F-150 STD Key AT w/OEM Keyless Entry	2020	Type 2	GTWY	Park / Auto A	Required	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.

2020-21 model year compatibility requirements: This installation requires that the vehicle be equipped with an active and functioning OEM remote starter, in order for the firmware to function properly. Without an OEM remote starter to control, this firmware is incapable of controlling the vehicle and the installation will require a fully hardwired key surrender solution.

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** BLUE MS CAN WIRES FOR PART 1 PROGRAMMING
- B** BROWN HS CAN WIRES FOR PART 2 PROGRAMMING
- C** SECURE UNUSED BLADE CONNECTOR TO MAIN HARNESS
- D** HOOD SWITCH MODIFICATION (Required if vehicle is not equipped with hood switch)



FEATURE COVERAGE													
IMMOBILIZER DATA													
DOOR LOCK													
DOOR UNLOCK													
ARM OEM ALARM													
DISARM OEM ALARM													
DOOR STATUS													
RAP SHUTDOWN													
BRAKE STATUS													
HOOD STATUS													
TACH OUTPUT													
HEATED MIRRORS													
HEATED SEATS													
SECURE TAKEOVER													
PARKING LIGHTS													
REAR DEFROST													
AFTERMARKET CTRL													

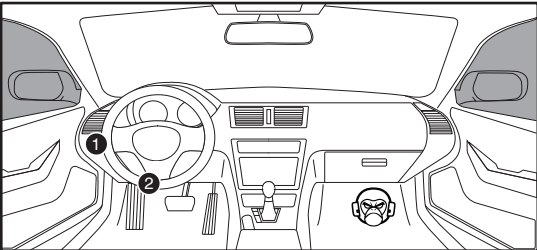
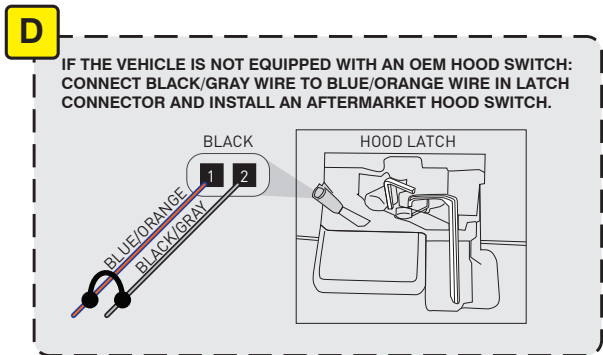
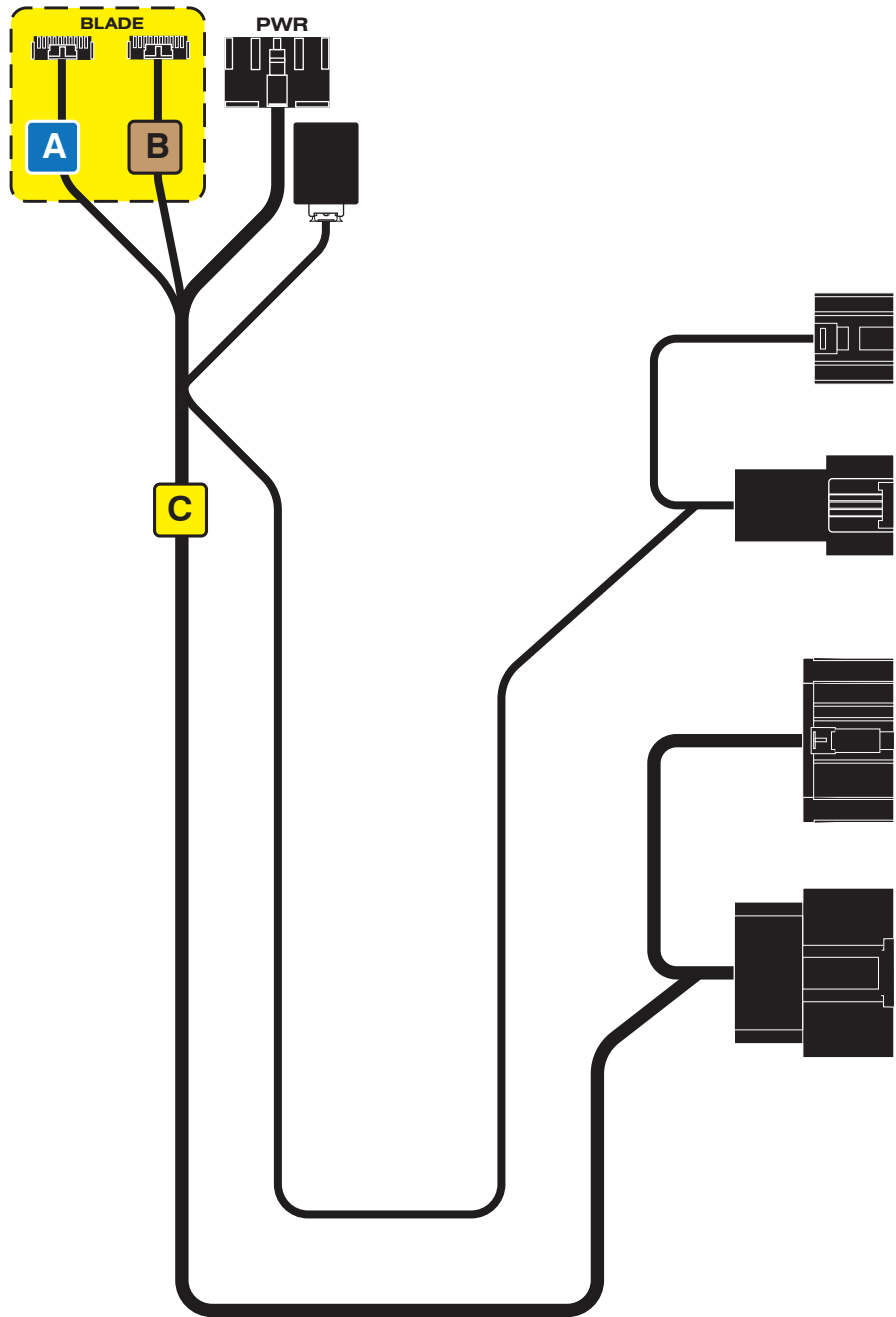
•FT-DAS Required for manual transmission.
•BOTH Red & Red/White MUST be connected with high current application.

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

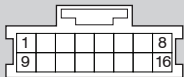
CM-900S/900AS

CM900AS/900S Jumper



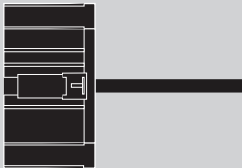
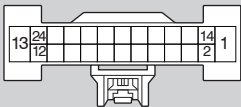
Headlight Switch

1



Gateway Module

2

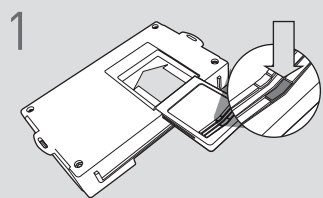


LED Programming Error Codes

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

CARTRIDGE INSTALLATION



Slide cartridge into unit. Notice button under LED.

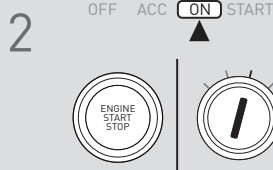
2

Ready for Module Programming Procedure.

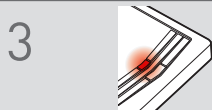
MODULE PROGRAMMING PROCEDURE



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



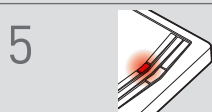
Set ignition to ON position.



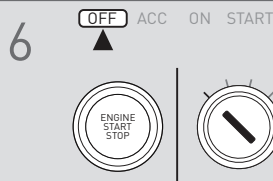
Wait, LED 1 will turn solid RED.



Wait, LED 1 will flash BLUE once [1x].



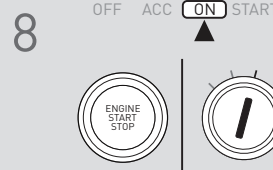
Wait, LED 1 will turn solid RED.



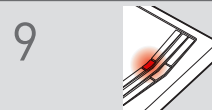
Set ignition to OFF position.



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



Set ignition to ON position.



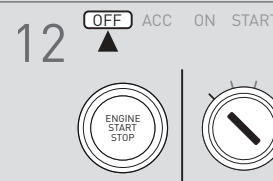
Wait, LED 1 will turn solid RED.



Wait, LED 1 will flash BLUE rapidly.



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



Set ignition to OFF position.

13

Module Programming Procedure completed.

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



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.