FTI-FDK2: Vehicle Coverage and Preparation Notes

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

Make	Model	Year	Install	CAN	Lights	Trunk/Hatch	POC	I/O Changes
DL-FM6					**Park / Auto**			**Green White/Blue**
Ford	Fusion STD Key	2013	Type 1/2	OBD-II	A	rgy/yel (6)	N/A	N/A

Firmware: This installation requires **BLADE-AL(DL)-FM6,** flash module and update the controller firmware before installing. Please confirm vehicle applicability on the flash site before proceeding with installation. See compatibility note below.

Trunk/Hatch: Trunk/hatch release requires additional wiring between the controller trunk output and the release switch in the driver dash.

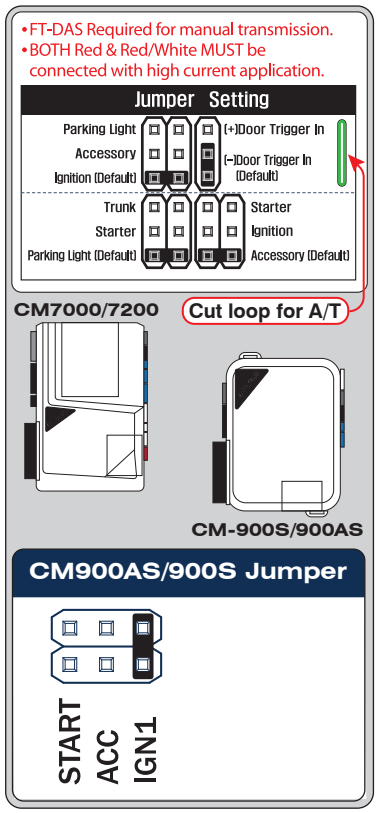
Door lock control and aftermarket RF:
Type 1 - OEM fob operation: No additional wiring or modifications required, install harness as provided. OEM alarm remains fully functional, if equipped, simply follow the programming instructions.
Type 2 - Aftermarket fob operation: Additional wires must be added to the BLADE 1/2 connectors for Type 2 installs. This modification must be performed before programming the module to the vehicle, and remain connected after programming. The OEM alarm will not remain functional when using aftermarket fobs to control door locks, so it is advised that install be completed using an alarm/starter combo if the vehicle is equipped with OEM alarm.

See attached modification bulletin for required wiring.

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** OPTIONAL CONNECTION
- ***** REQUIRED IF USING AFTERMARKET RF



● **Feature available in type 1 & 2 installation**
○ **Feature available in type 2 installation only**

IMMOBILIZER DATA		DOOR LOCK	DOOR UNLOCK			TRUNK/HATCH RELEASE				DOOR STATUS	TRUNK STATUS	RAP SHUTDOWN	BRAKE STATUS	HOOD STATUS	TACH OUTPUT	HEATED MIRRORS	HEATED SEATS	SECURE TAKEOVER	PARKING LIGHTS	REAR DEFROST	AFTERMARKET CTRL
FEATURE COVERAGE																					
●		○	○			●				●	●	●	●	●	●	●	●	●	●	●	●

FTI-FDK2 - DL-FM6 - Type 1 2013 Ford Fusion STD Key

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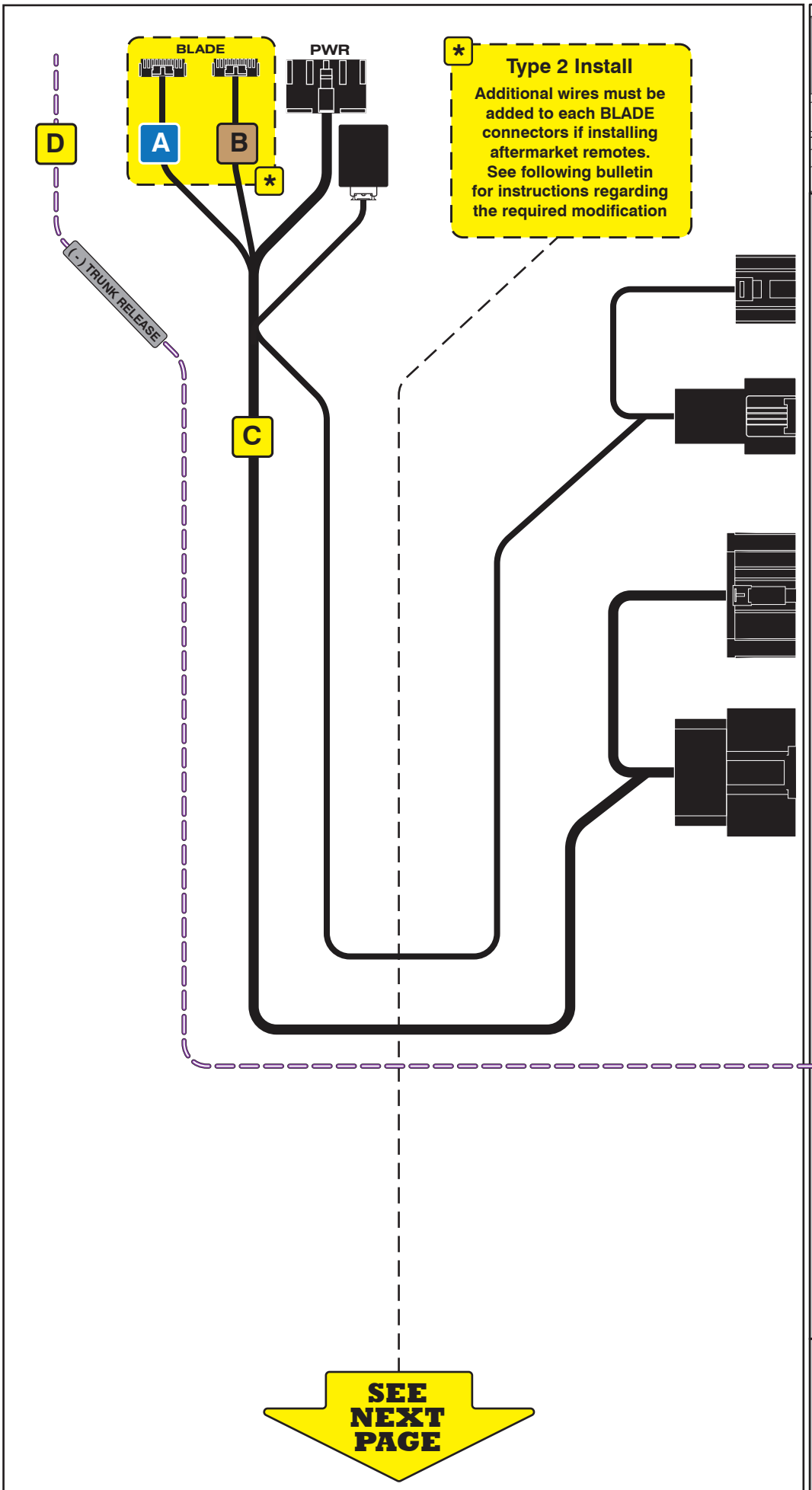
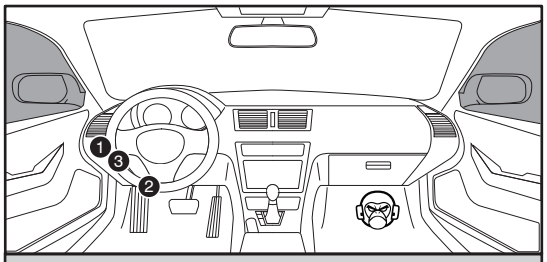


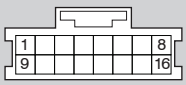
*** Type 2 Install**

Additional wires must be added to each BLADE connectors if installing aftermarket remotes. See following bulletin for instructions regarding the required modification

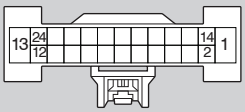
SEE NEXT PAGE

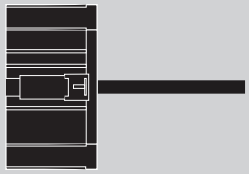


Headlight Switch 1

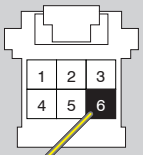


Gateway Module 2





Hatch Release Switch 3



gray/yellow

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
Fast Blink - CAN connection, reverse BLADE 1/2 connector

FTI-FDK2 Harness Bulletin - Type 2 Install (Aftermarket RF)

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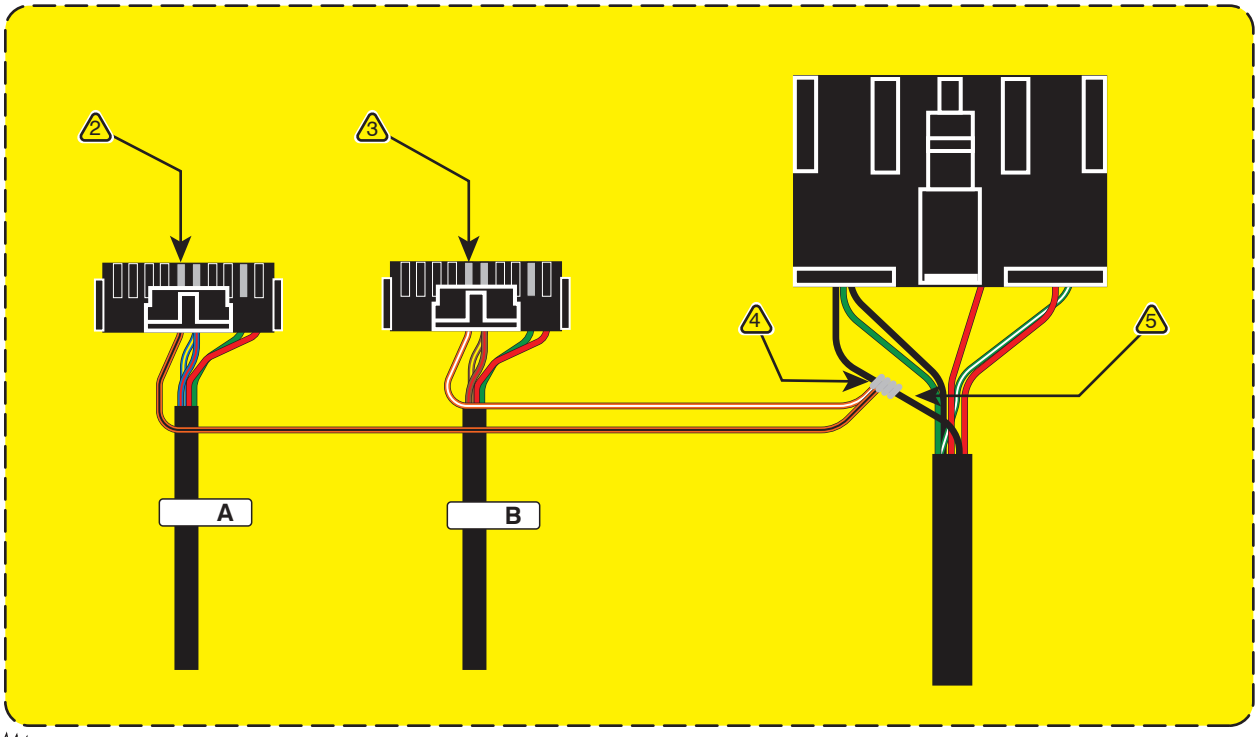
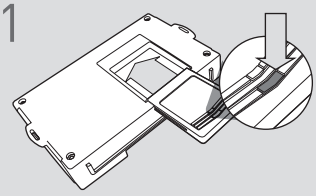
Overview: The initial production release of the FTI-FDK2 harness did not account for the use of aftermarket RF components and does not supply the connection that programs the module for aftermarket RF use. This issue affect the initial release and is currently being addressed in production, but for installations using aftermarket RF a field repair is provided below.

Issue: The orange black wire is not included in the BLADE connector. This wire must be present throughout steps 1 & 2 of the module programming procedure in order for the module to properly control the vehicle's door locks via aftermarket RF. The required wires can be sourced from the harness originally supplied with the BLADE cartridge, inserted into position #5 of each BLADE connector, and attached to either of the black ground wires in the CN1 connector of the harness.

Correction:
1.) Use a pick tool to depress the locking tab on the terminal connector of the orange/black & orange/white wires in pin positions #5 & #15 of the BLADE connector that was supplied with the BLADE module, remove wires for relocation.
2.) With locking tab repositioned, insert orange/black wire into position #5 of the connector marked [A].
3.) With locking tab repositioned, insert orange/white wire into position #5 of the connector marked [B].
4.) Extend the orange/black & orange/white wires to the CN1 connector, strip ends and attach to one of the black ground wires.
5.) Once the wires have been securely connected and insulated, you may proceed with module programming.



CARTRIDGE INSTALLATION

1 

Slide cartridge into unit. Notice button under LED.

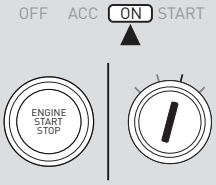
2

Ready for Module Programming Procedure.

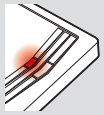
MODULE PROGRAMMING PROCEDURE

1

CONNECT every wire shown in STEP 1 and STEP 2 of the wiring diagram.

2 

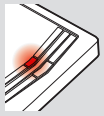
Set ignition to ON position.

3 

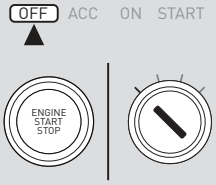
Wait, LED 1 will turn solid RED.

4

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

5 

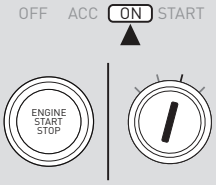
Wait, LED 1 will turn solid RED.

6 

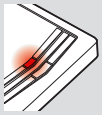
Set ignition to OFF position.

7

DISCONNECT every wire shown in STEP 2 and CONNECT every wire shown in STEP 3 of the wiring diagram.

8 

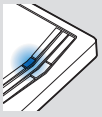
Set ignition to ON position.

9 

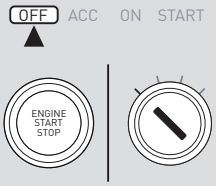
Wait, LED 1 will turn solid RED.

10

Wait, LED 1 will flash BLUE rapidly.

11 

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

12 

Set ignition to OFF position.

13

Module Programming Procedure completed.

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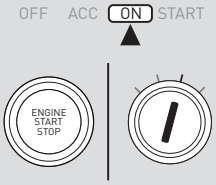
TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

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 

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.

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