FTI-FDK1: Vehicle Coverage and Preparation Notes

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

Make	Model	Year	Install	CAN	Lights	Clutch	Trunk	IGN Jumper
DL-FM4					**Park / Auto**			
Ford	Escape STD Key A/T	2017-19	Type 12a	OBD-II	1/26 (42)	N/A	BRN 49/60	PINK

This install requires **BLADE-AL(DL)-FM4**, flash module and update the controller firmware before installing.
The vehicle PATS connector has changed. *The PATS connector is a 6-pin connector and the harness connector does not fit the vehicle connector,* ***harness modification is required****, see illustration for details.*

Additionally... This firmware requires that all the doors be closed during programming. If you call support indicating that the module is flashing 3x red and does not program, you're going to be asked to read step #1 of the instructions. Don't feel bad, you're not the first one to make this mistake, and you won't be the last, but it does make our day. :)

CAN: FM4 CAN data is sourced from the vehicle OBD-II connector

Lights: FDK1 harness provides dual +12V parking light outputs, connect to BCM connector C-2280A, positions 1 & 26 (***yellow***/***blue*** & ***brown***/***yellow***)

RAP: Retained accessory power shutdown requires connecting to the ***green***/***violet*** driver's door pin wire, available at BCM connectorC-2280B or in the harness in the driver kick panel

Door locks: Door lock operation should be tested to confirm that the door locks remain functional after BCM enters sleep mode. If BCM sleep affects door locks then configure unlock before start & relock after start (feature option 1-01, setting 2)

Lock: ***gray***/***yellow,*** pin #36, 60-pin BCM connector (**C2280B, brown**)
Unlock: ***violet***/***gray or violet***/***orange,*** pin #26, 60-pin BCM connector (**C2280C, blue**)
Driver's Unlock: ***blue***/***brown,*** pin #55, 60-pin BCM connector (**C2280B, brown**), ***green***/***violet***, connect only if present, diode isolate as illustrated in note **[E]**.

FTI-FDK1 - Installation and Configuration Notes

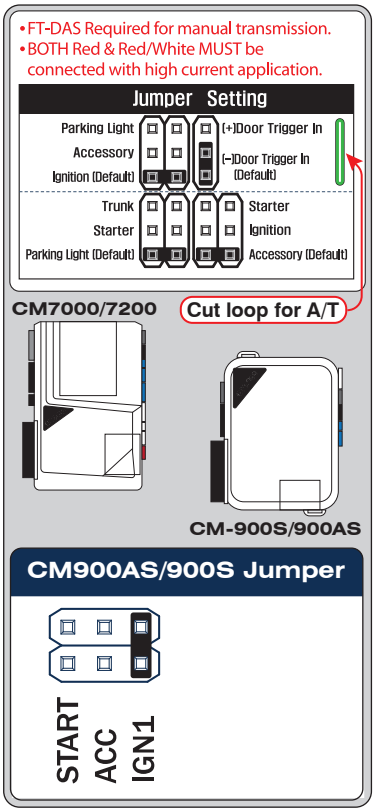
A DO NOT CUT

B DO NOT CONNECT (If the vehicle is not equipped with an immobilizer, connect before programming)

C REQUIRED CONNECTION

D REQUIRED CONNECTION

E REQUIRED CONNECTION



FEATURE COVERAGE

IMMOBILIZER DATA		DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE				DOOR STATUS	TRUNK STATUS	RAP SHUTDOWN	BRAKE STATUS	HOOD STATUS	TACH OUTPUT	E-BRAKE OUTPUT		A/M CONTROL	PARKING LIGHTS		
●		●	●	●	●	●				●	●	●	●	●	●	●		●	●		

FTI-FDK1 - DL-FM4 - Type 12 2017-19 Ford Escape STD Key A/T

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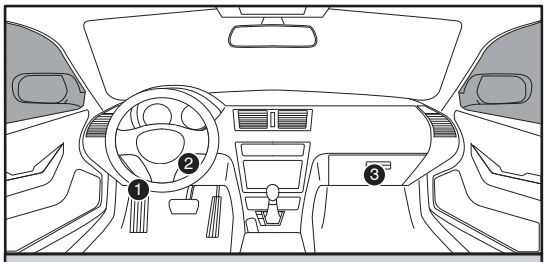
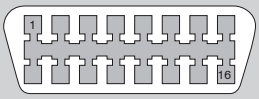
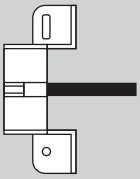


OBD-II Connector

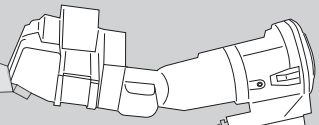
1

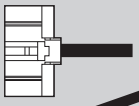




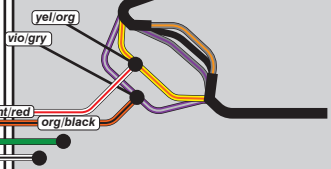
Ignition switch

2





6-Pin PATS Connector



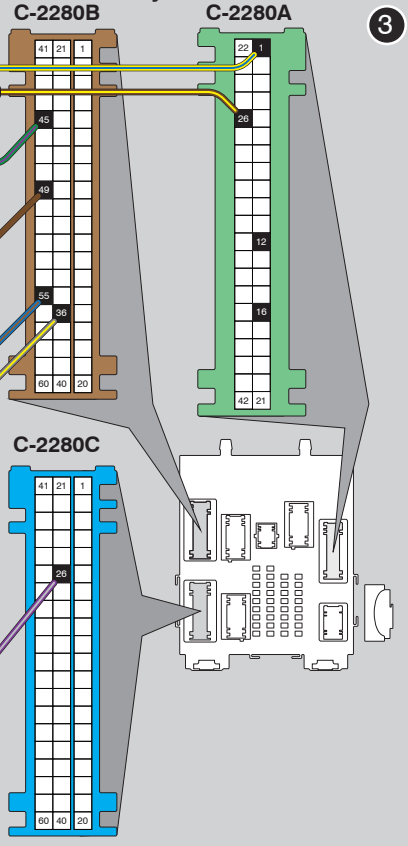
Body Control Module

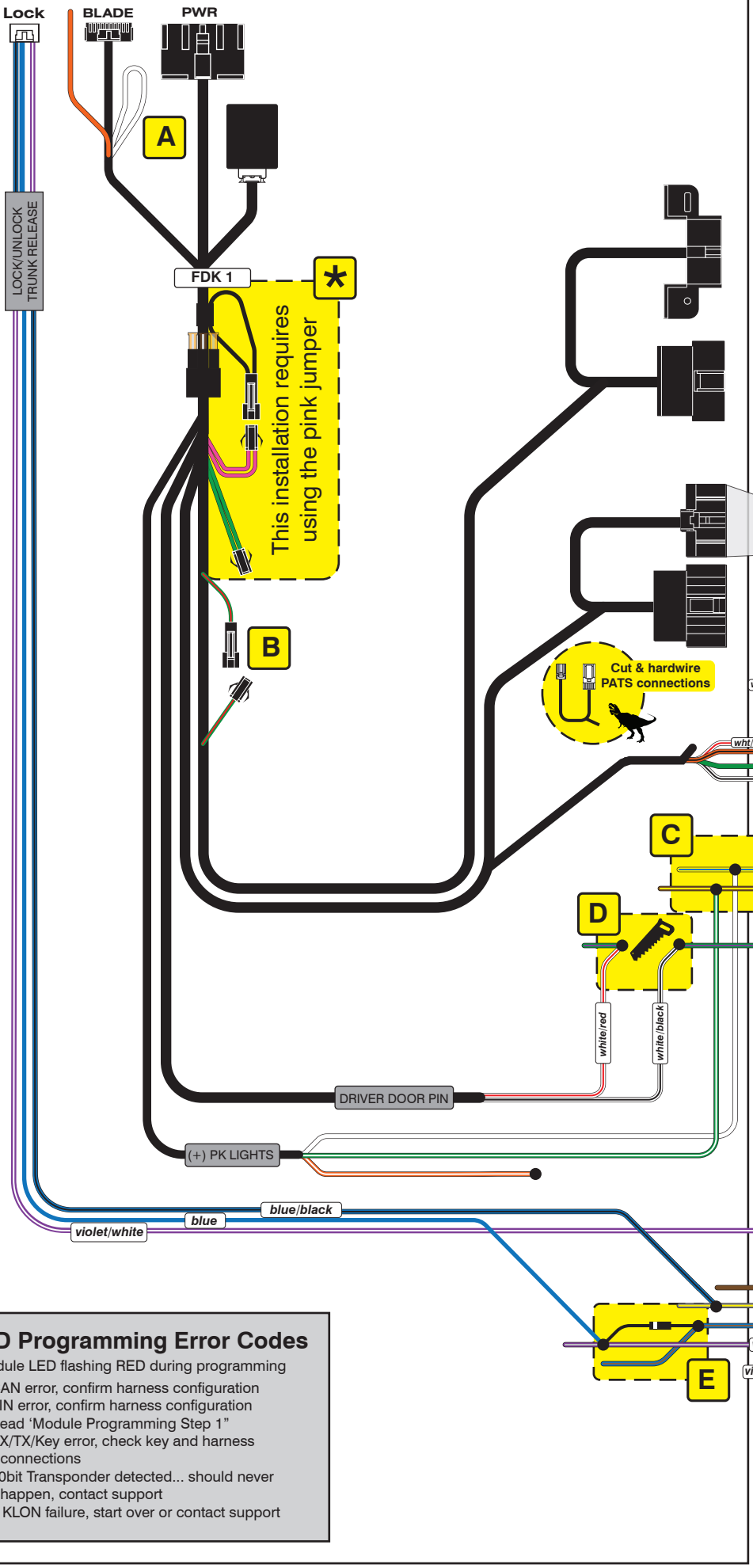
3

C-2280B

C-2280A

C-2280C



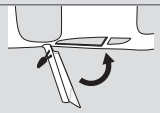


LED Programming Error Codes

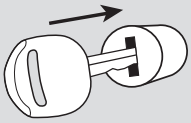
Module LED flashing RED during programming

1x - CAN error, confirm harness configuration
2x - VIN error, confirm harness configuration
3x - Read 'Module Programming Step 1"
4x - RX/TX/Key error, check key and harness connections
5x - 40bit Transponder detected... should never happen, contact support
6x+ - KLON failure, start over or contact support

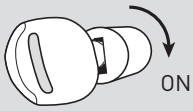
MODULE PROGRAMMING PROCEDURE - STD KEY

1 

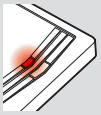
Close all vehicle doors and trunk/hatch.

2 

Insert key into ignition.

3 

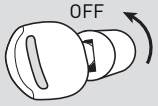
Turn key to ON position.



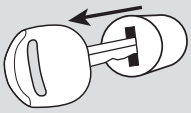
LED will turn solid RED.

4

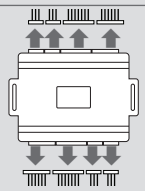
Wait, LED will flash BLUE rapidly. (This may take up to 15 seconds)

5 

Turn key to OFF position.

6 

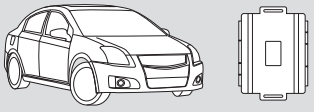
Remove key.

7 

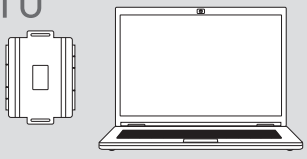
Disconnect all connectors from remote starter except the power connector.

8

Disconnect the power connector.

9 

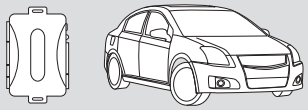
Remove remote starter from vehicle.

10 

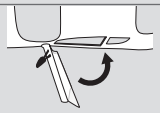
Connect remote starter to computer.

11

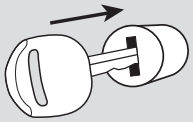
Proceed with extended programming.

12 

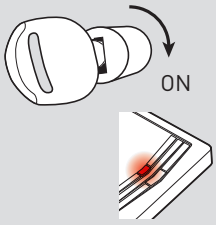
Connect module to vehicle.

13 

Close all vehicle doors and trunk/hatch.

14 

Insert key into ignition.

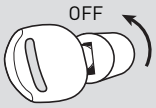
15 

Turn key to ON position.

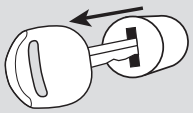
LED will turn solid RED.

16

Wait, LED will turn solid BLUE for 2 seconds. (This may take up to 15 seconds)

17 

Turn key to OFF position.

18 

Remove key.

19

Module Programming Procedure completed.

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