# FTI-FDK1: Vehicle Coverage and Preparation Notes

F	RSTECH, LLC. SUPPORT - 1(888) 820-3690, EXT. 203
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Make	Model	Year	Install	CAN	CAN Lights		Brake	I/O Changes	
DL-FM2					Park / Auto			Green White/Blue	
Lincoln	MKZ Hybrid Key	2010-12	Type 2	OBD-II	Α	N/A	N/A	N/A	

### Firmware:

Covered vehicles use BLADE-AL(DL)-FM2, 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.

#### **Door Locks:**

**Vehicles wth alarm**: Door locks require three wire connections (1-unlock, 2-lock) and two (2) diodes isolating the lock wires.

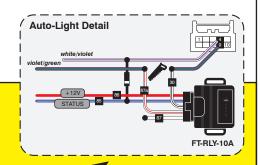
**Vehicles without alarm**: Door locks require two wire connections and no diodes.

Auto-lights: If vehicle is equipped with auto-light feature, refer to the diagram below for required connections.

Auto-light: *violet/green* (pin #4) Light-off: *white/violet* (pin #6)

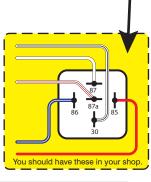


Please note that the harness has changed, jumpers have been added that allow selecting between IGN and PATS power for BLADE programming. This install type does not require using these jumpers, do not connect.



# FTI-FDK1 - Installation and Configuration Notes

- A DO NOT CUT DL-FM3 TX loop
- B DO NOT CONNECT unless vehicle has NO IMMOBILIZER
- CONNECTIONS FOR VEHICLE WITHOUT ALARM
- D CONNECTIONS FOR VEHICLE WITH ALARM



Parking Light Accessory Ignition (Default) Trunk Starter Parking Light (Default)	t+iDoor Trigger In  C-iDoor Trigger In  Defaulti  Starter  In Indicated In Indicate								
CM7000/7200 Cut loop for A/T  CM-900S/900AS									
CM900AS/900S Jumper									

• FT-DAS Required for manual transmission.

 BOTH Red & Red/White MUST be connected with high current application.

 Jumper Setting



	FEATURE COVERAGE																		
0		0	0	0	0	0				0	0	0	0	0		0	0		
IMMOBILIZER DATA		DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE				DOOR STATUS	RAP SHUTDOWN	BRAKE STATUS	HOOD STATUS	тасн оптрит		A/M CONTROL	PARKING LIGHTS		

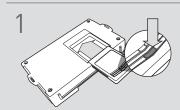
2010-12 Lincoln MKZ Hybrid Key F#RSTECH,LLC. FTI-FDK1 - DL-FM2 - Type 2 SUPPORT - 1(888) 820-3690, EXT. 203 BLADE Lock **OBD-II Connector** FDK 1 Not required in this install type. Secure as needed. **Ignition** switch 2 **BCM** 3 violet/green Gray yellow/green green/violet Gray white/red DRIVER DOOR PIN white/black violet/white = OR D blue/black (blue ) violet/white **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 6x - KLON error, check RX/TX wiring, confirm pin positions 7x - KLON error, process failed, reset module and start over 8x - Encryption error, confirm key encryption, 80 bit detected 9x - Key in cylinder, remove and proceed



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## CARTRIDGE INSTALLATION



Slide cartridge into unit. Notice button under LED.

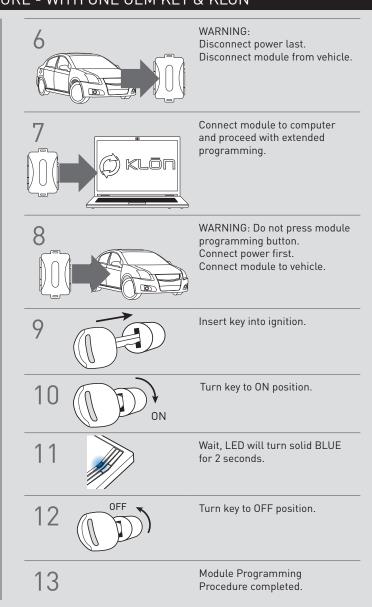
2

Ready for Module Programming Procedure.

# MODULE PROGRAMMING PROCEDURE - WITH ONE OEM KEY & KLON

		E PROGRAMMING PROCE
1		Insert key into ignition.
2	ON	Turn key to ON position.
3		LED will turn solid RED.
4		If LED turns solid BLUE, proceed with step 13.  If LED flashes BLUE, proceed with step 5.
į	If the LED begins to flash bit encryption that is not	RED/BLUE, the key has an 80-covered by KLON.

Turn key to OFF position.



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## MODULE PROGRAMMING PROCEDURE - WITH TWO OEM KEYS

### NOTE

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



II Keep both OEM remotes at least 10 feet away from the vehicule.



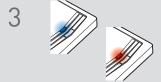
Use both valet keys for the module programming procedure.



Insert key 1 into ignition.



Turn key 1 to ON position.



If LED turns solid BLUE, proceed with step 18.

If LED turns solid RED, proceed proceed with step 4.



Wait, LED will flash BLUE. (This may take up to 10 seconds.)



Turn key 1 to OFF position.

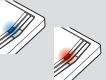


Turn key 1 to 0N position.



If the LED begins to flash RED, verify the RX and TX connections between the module and the vehicle.





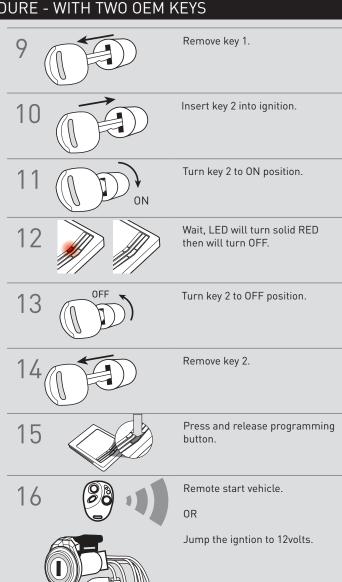
If LED turns solid BLUE for 2 seconds, proceed with step 18.

If LED turns solid RED, proceed with step 8 within 5 seconds, after LED turns OFF.

8



Turn key 1 to OFF position.





If the LED begins to flash RED, you are using a cloned key or used the same key twice.



Wait, LED will turn solid RED then will turn solid BLUE.

18

Module Programming Procedure completed.