

Make	Model	Year	Install	CAN	Lights	OEM RS	POC	I/O Changes
<b>DL-FM8</b>					<b>Park / Auto</b>			<b>Green White/Blue</b>
Ford	Transit Connect STD Key	2019-22	Type 5	GTWY	HAZ	N/A	N/A	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.

Harness headlight connector not compatible, configure POC for hazard lights [30] (momentary) or [23] (latched), connect to BCM connector C2280D (white 72-pin connector), pin #12 (brown/yellow).

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
- 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													
TRUNK 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**

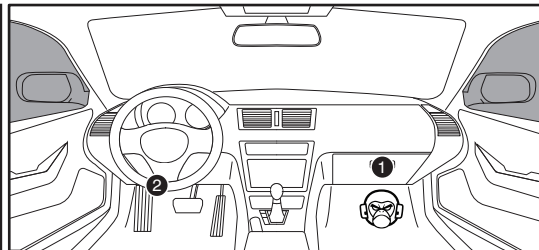
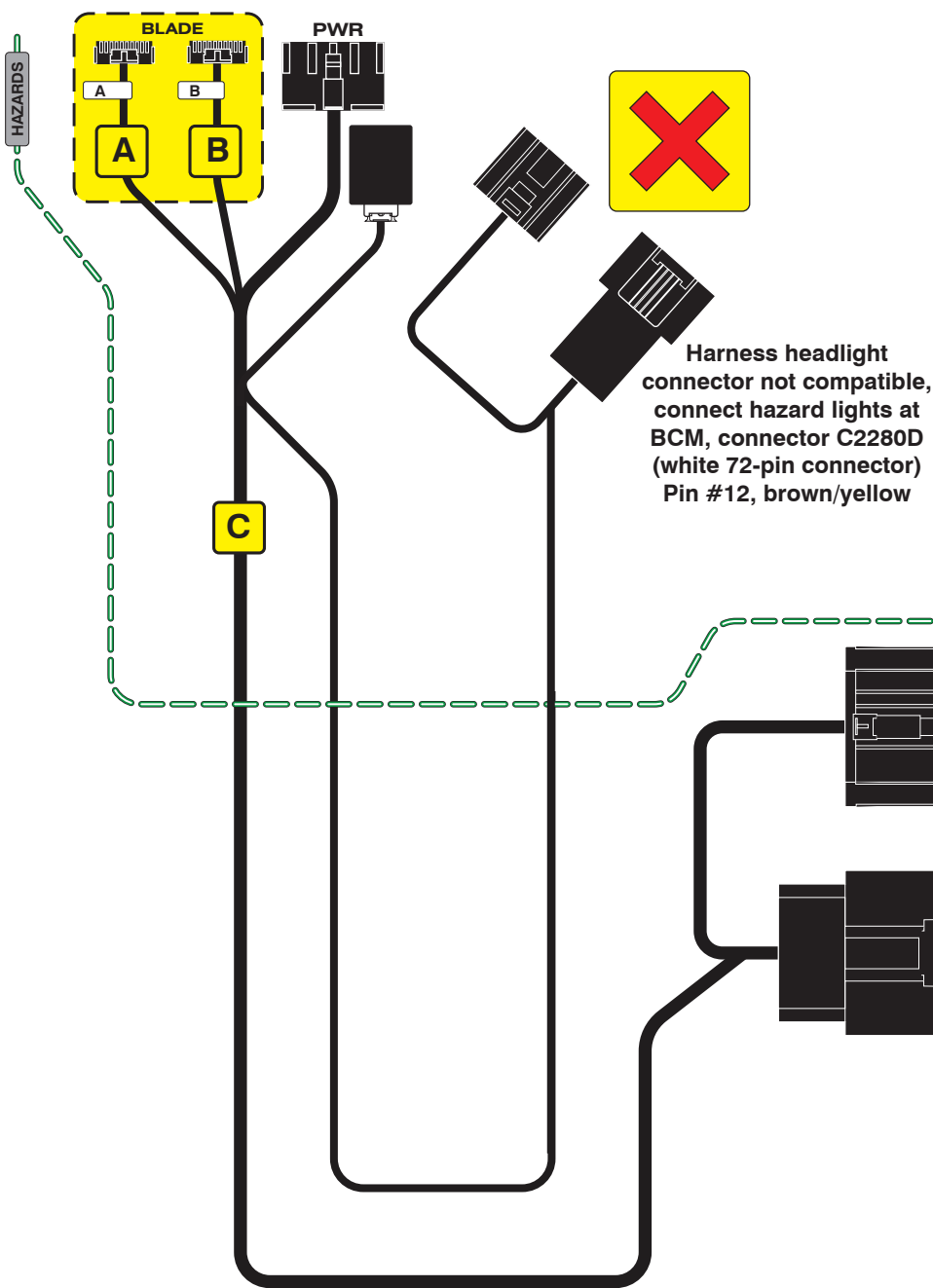
Parking Light Accessory Ignition (Default)								(+)Door Trigger In (Default)								(-)Door Trigger In (Default)
Trunk Starter Parking Light (Default)								Starter Ignition Accessory (Default)								

**CM7000/7200** Cut loop for A/T

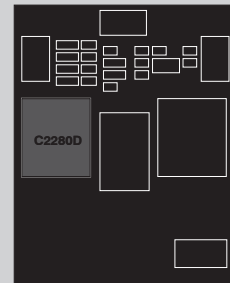
**CM-900S/900AS**

**CM900AS/900S Jumper**

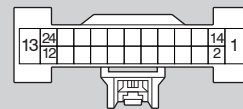
START  
ACC  
IGN1



**BCM**  
BCM, BEHIND GLOVE BOX  
C2280D: WHITE 72 PIN



**Gateway Module**



**D** IF THE VEHICLE IS NOT EQUIPPED WITH AN OEM HOOD SWITCH: CONNECT BLACK/PURPLE WIRE TO BLUE/ORANGE WIRE AT LATCH CONNECTOR, THEN INSTALL AN AFTERMARKET HOOD SWITCH.

The diagram shows a hood latch connector with two pins labeled 1 and 2. Pin 1 is connected to a black/purple wire, and pin 2 is connected to a blue/orange wire. The hood latch mechanism is shown in the background.

**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



1 Slide cartridge into unit. Notice button under LED.

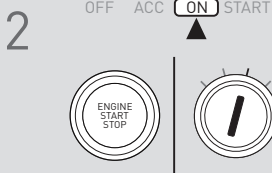
2

Ready for Module Programming Procedure.

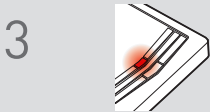
## MODULE PROGRAMMING PROCEDURE



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



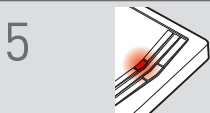
2 Set ignition to ON position.



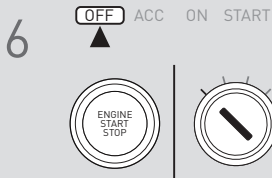
3 Wait, LED 1 will turn solid RED.



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



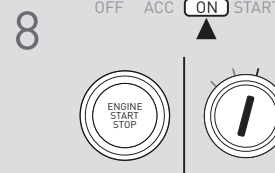
5 Wait, LED 1 will turn solid RED.



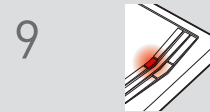
6 Set ignition to OFF position.



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



8 Set ignition to ON position.



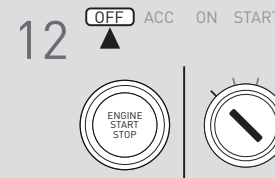
9 Wait, LED 1 will turn solid RED.



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.

## 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.