

Make	Model	Year	Install	CAN	Lights	OEM RS	POC	I/O Changes
DL-FM8 Ford	Ranger STD Key AT	2019-22	Type 1	GTWY	Park / Auto A	N/A	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.

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



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.

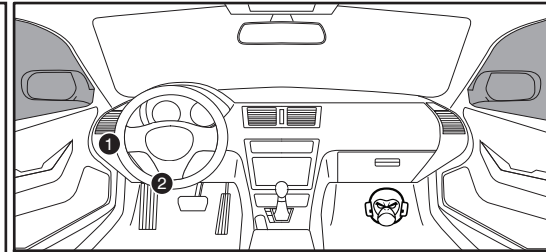
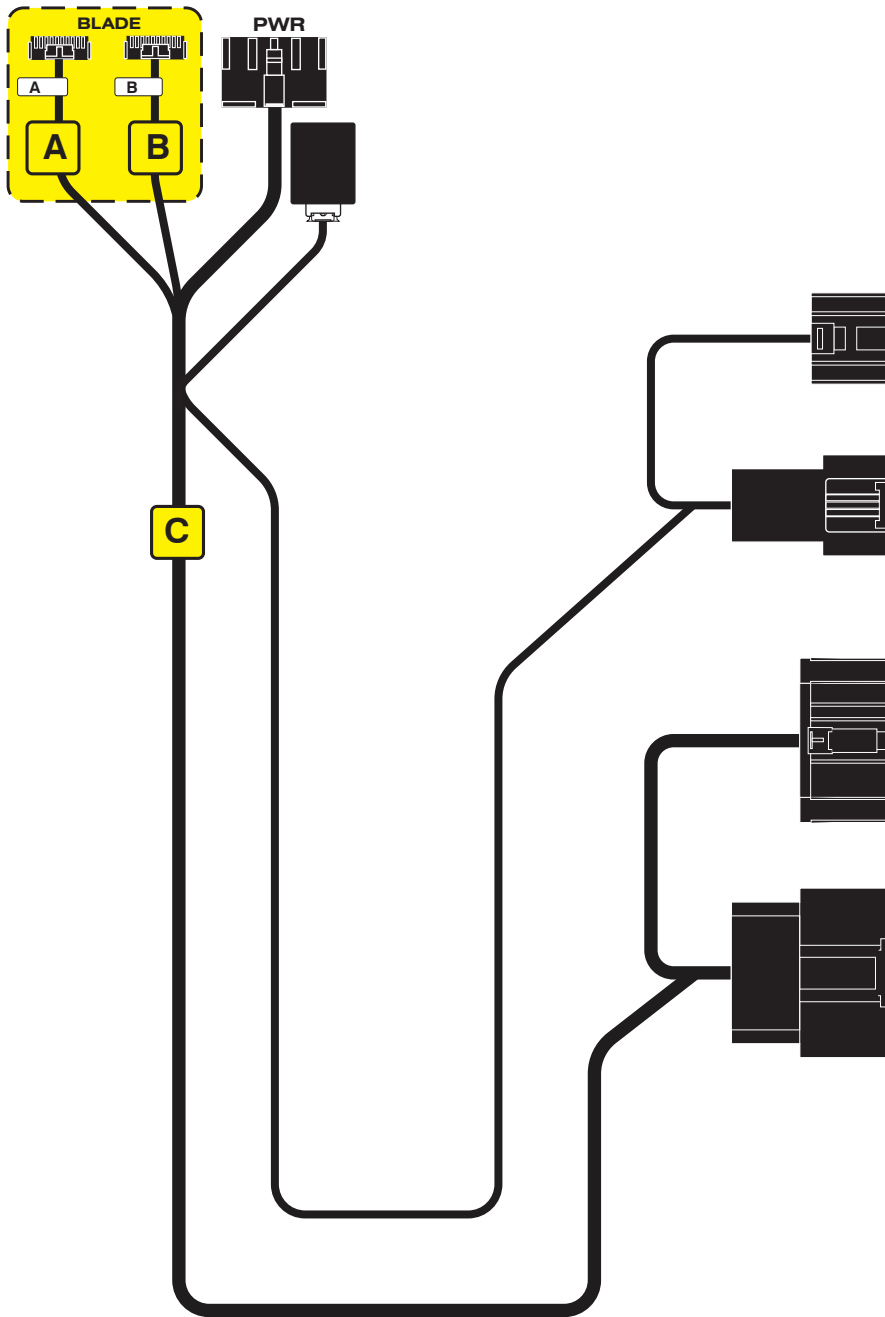
Jumper Setting

Parking Light 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



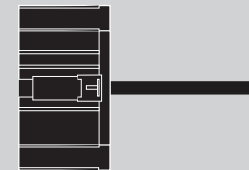
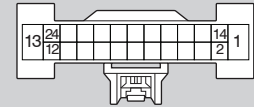
Headlight Switch

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



1 Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

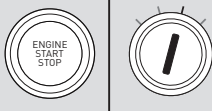
1



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

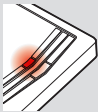
2

OFF ACC ON START



Set ignition to ON position.

3



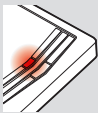
Wait, LED 1 will turn solid RED.

4



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

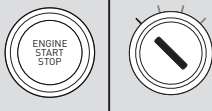
5



Wait, LED 1 will turn solid RED.

6

OFF ACC ON START



Set ignition to OFF position.

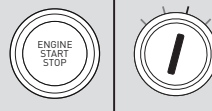
7



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

8

OFF ACC ON START



Set ignition to ON position.

9



Wait, LED 1 will turn solid RED.

10



Wait, LED 1 will flash BLUE rapidly.

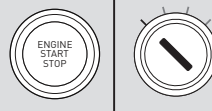
11



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

12

OFF ACC ON START



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.