

FTI-FDK2: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	OEM RS	POC	I/O Changes
DL-FM8					Park / Auto			Green White/Blue
Ford	Bronco Sport PTS AT	2021-24	Type 7	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** 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** 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

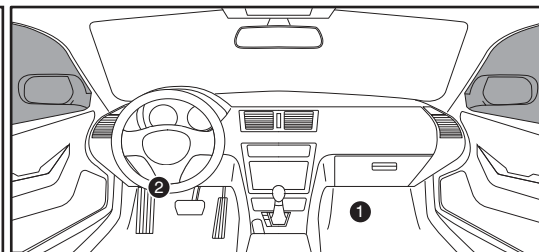
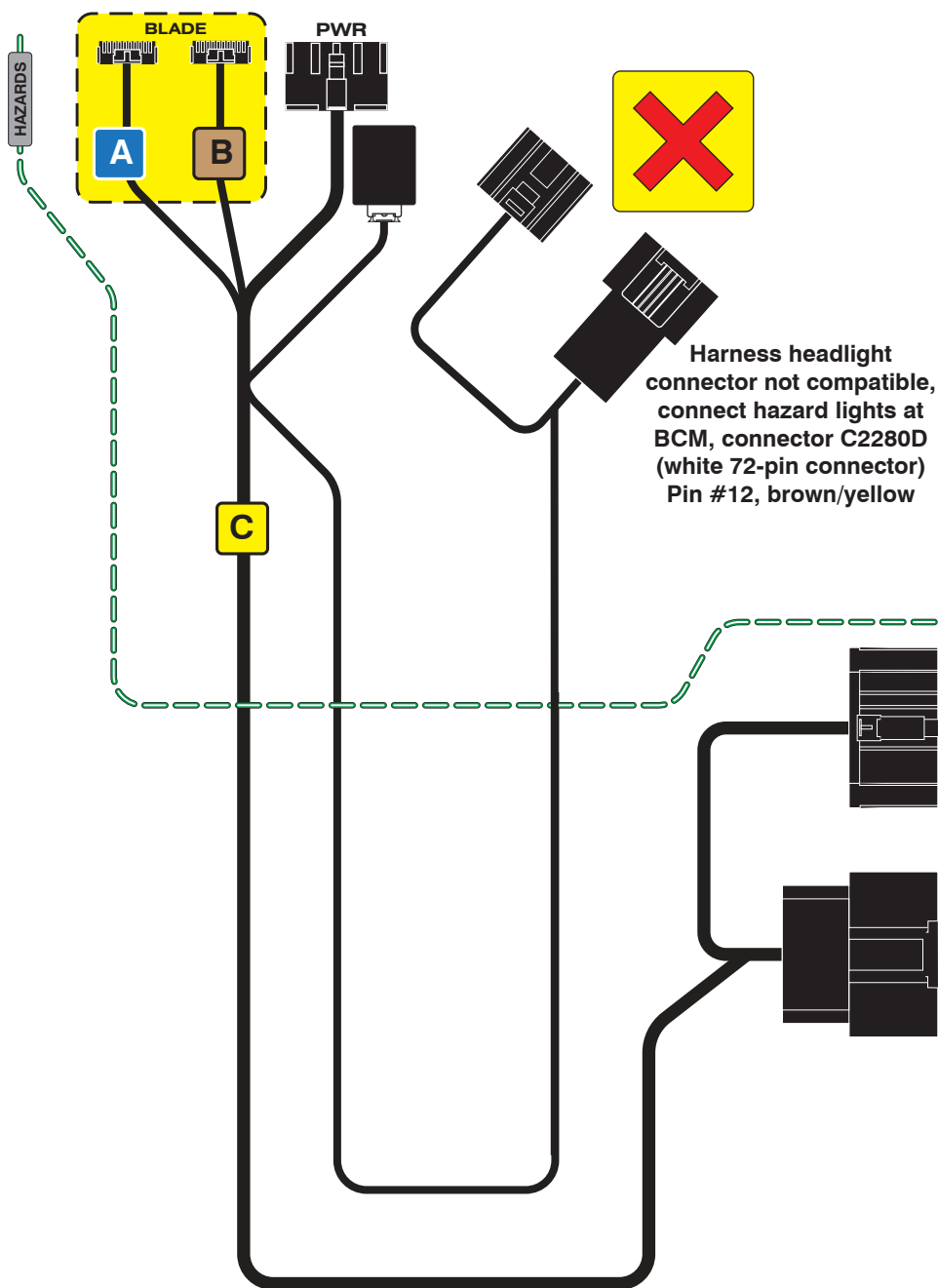
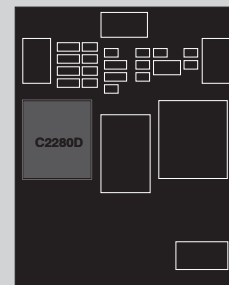
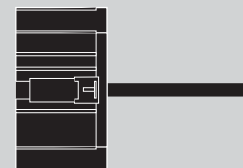
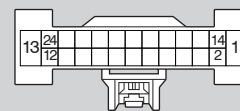
Parking Light	Accessory	Ignition (Default)	(+)Door Trigger In	(-)Door Trigger In (Default)
Trunk	Starter	Parking Light (Default)	Starter	Ignition
			Accessory (Default)	

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

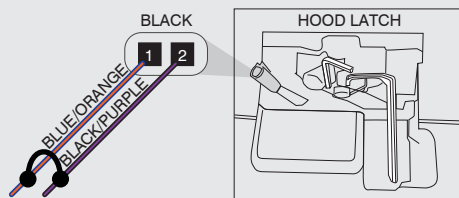
CM-900S/900AS

CM900AS/900S Jumper

START
ACC
IGN1


BCM
 BCM, PASSENGER FOOTWELL
 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.

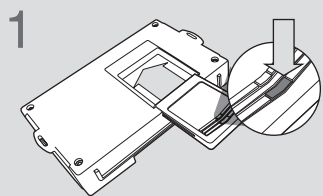


LED Programming Error Codes

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



Slide cartridge into unit. Notice button under LED.

2

Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

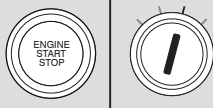
1



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

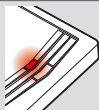
2

OFF ACC **ON** START



Set ignition to ON position.

3



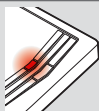
Wait, LED 1 will turn solid RED.

4



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

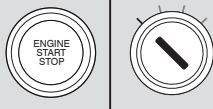
5



Wait, LED 1 will turn solid RED.

6

OFF ACC ON START



Set ignition to OFF position.

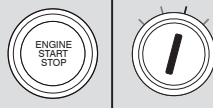
7



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

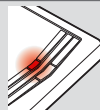
8

OFF ACC **ON** START



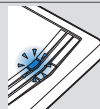
Set ignition to ON position.

9



Wait, LED 1 will turn solid RED.

10



Wait, LED 1 will flash BLUE rapidly.

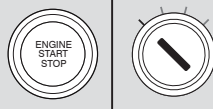
11



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

OFF ACC **ON** START



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.