

# FTI-CDP1 - Vehicle Coverage and Preparation Notes

| Make          | Model                 | Year | Install | CAN | Lights                | IGN | Hood | I/O Changes      |
|---------------|-----------------------|------|---------|-----|-----------------------|-----|------|------------------|
| DL-CH8<br>RAM | 2500 TIP Start Diesel | 2018 | Type 2  | CJB | Park / Auto<br>Type B | BCM | BCM  | Green White/Blue |

**Firmware:** Covered vehicles use either **BLADE-AL(DL)-CH8**, confirm application, flash module, and update the controller firmware before installing.

**Install:** **Type 2** vehicles use the included CAN extension cable to source CAN data from the green CAN junction block (left side of the dash) or from the BCM (pin#25, CANH, **brown**, pin #26, CANL, **yellow**).

**Lighting:** **Type B** parking lights use the 10-pin connector, secure unused 6-pin connector for safety.

**Ignition:** Common ignition provisions are listed in the BLADE diagram, ignition is also available at the vehicle BCM (connector C5/E, pin #27, **pink/white**).

**Hood:** Hood status wire is available at the vehicle BCM, connector C1, pin #11 (**violet/blue**).

## FTI-CDP1 - Installation and Configuration Notes

- A** Required CAN connections.
- B** Not required.
- C** Vehicle hood status ( - ).
- D** Ignition jumper, CONNECT TO PINK.
- E** Ignition connection.



| BLADE FEATURE COVERAGE |                 |           |             |               |                  |  |  |  |  |             |              |              |                |             |                  |                 |                |  |  |
|------------------------|-----------------|-----------|-------------|---------------|------------------|--|--|--|--|-------------|--------------|--------------|----------------|-------------|------------------|-----------------|----------------|--|--|
| IMMOBILIZER DATA       | PRIORITY UNLOCK | DOOR LOCK | DOOR UNLOCK | ARM OEM ALARM | DISARM OEM ALARM |  |  |  |  | DOOR STATUS | RAP SHUTDOWN | BRAKE STATUS | E-BRAKE STATUS | TACH OUTPUT | GLOW PLUG STATUS | SECURE TAKEOVER | PARKING LIGHTS |  |  |

•FT-DAS Required for manual transmission.  
•BOTH Red & Red/White MUST be connected with high current application.

**Jumper Setting**

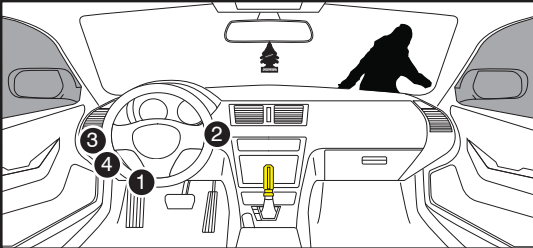
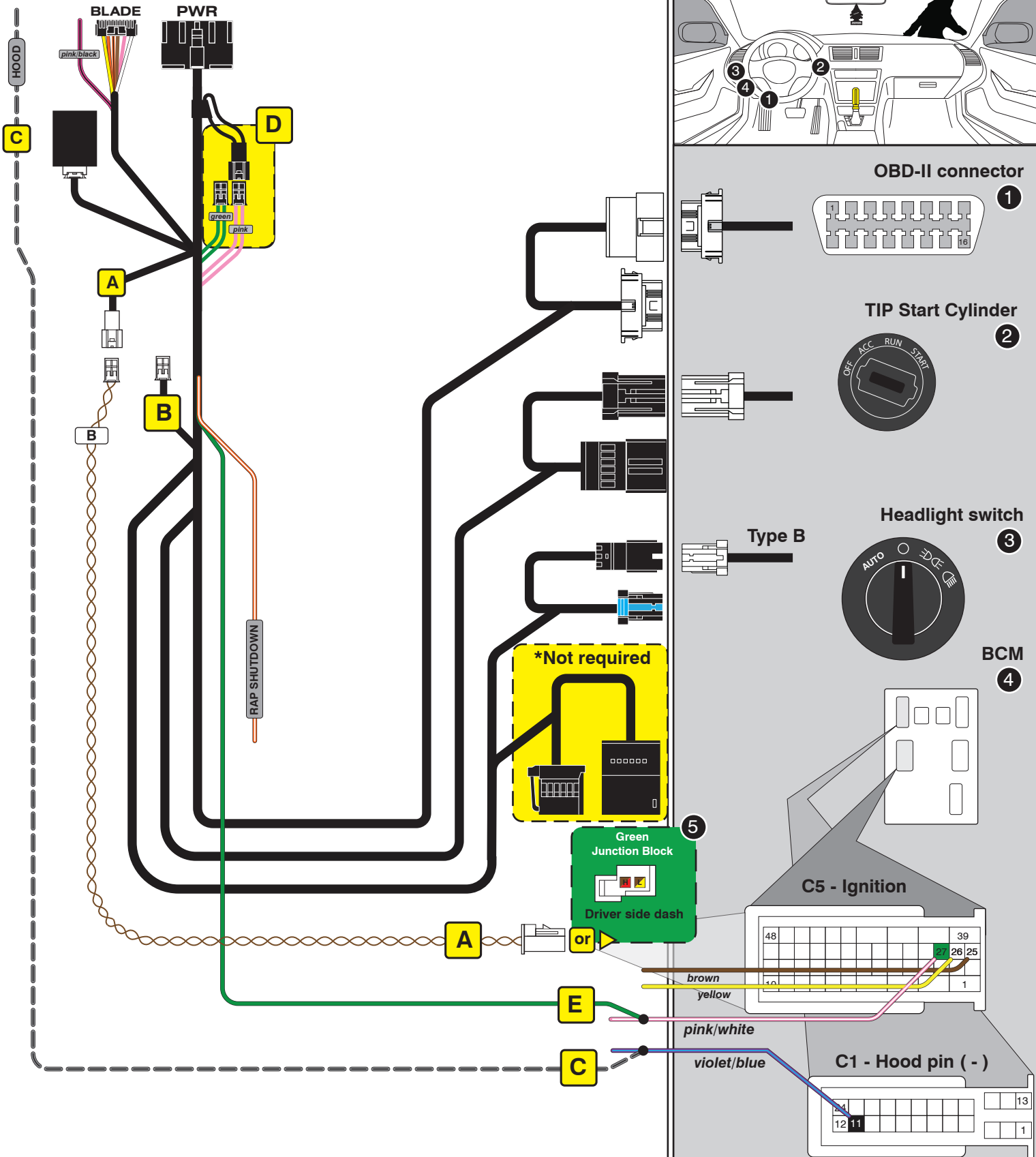
|               |           |                         |                              |                              |
|---------------|-----------|-------------------------|------------------------------|------------------------------|
| Parking Light | Accessory | Ignition (Default)      | (+)Door Trigger 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

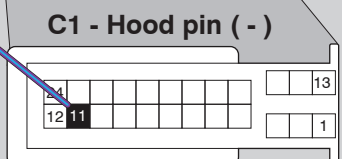
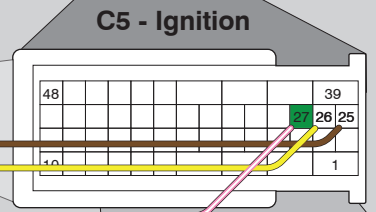
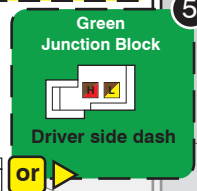


OBD-II connector 1

TIP Start Cylinder 2

Headlight switch 3

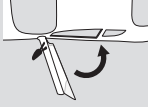
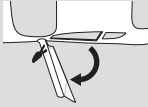
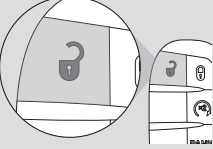
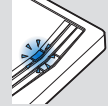
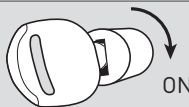
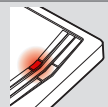
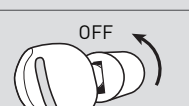
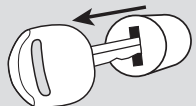
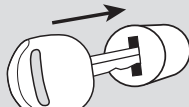
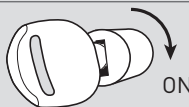

BCM 4

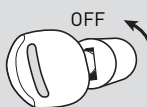
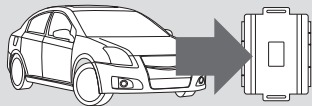


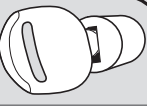
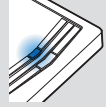
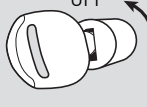

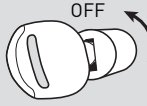
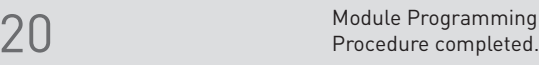


**LED Programming Error Codes**

- Module LED flashing RED during programming
- 1x - CAN Error, check CAN wiring and voltages
  - 2x - Key code not learned, confirm unlock sent, check CAN
  - 3x - No immobilizer data, check immo data connection
  - 4x - No IGN, check IGN connection
  - 5x - VIN not found, check CAN connections
  - 6x - No immobilizer data, check immo data connection
  - 7x - Not the same key, use only one key for programming
  - 8x - No immobilizer data, check immo data connection
  - 9x - No immobilizer data 10x - Klon error, redo Klon

## MODULE PROGRAMMING PROCEDURE - WITH KLON

- 1  Close driver door.
- 2  Re-open driver door to wake up data bus.
- 3  Press UNLOCK on OEM remote.  
If the vehicle is not equipped with an OEM remote, press the module programming button.
- 4  Wait, LED will flash BLUE once [1x].
- 5  Turn key to ON position.
- 6  Wait, LED will turn solid RED.
- 7  Turn key to OFF position.
- 8  Remove key.
- 9  Insert key into ignition.
- 10  Turn key to ON position.
- 11  Wait, LED will flash BLUE.

- 11  Turn key to OFF position.
- 12  **WARNING:**  
Disconnect power last.  
Disconnect RS from vehicle.
- 13  Connect RS to computer and proceed with extended programming.
- 14  **WARNING:** Do not press RS programming button.  
Connect power first.  
Connect RS to vehicle.
- 15  Turn key to ON position.
- 16  Wait, LED will turn solid BLUE for 2 seconds.
- 17  Turn key to OFF position.
- 18  Turn key to START position.
- 19  Turn key to OFF position.
- 20  Module Programming Procedure completed.

## WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

### IMPORTANT

- All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

## TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

### NOTE

- All vehicle doors must be closed and locked prior to remote start sequence.



**TIME RESTRICTION COMING UP !**

1



Press UNLOCK on after-market remote.

2



### TIME RESTRICTION

Within 45 SECONDS from previous step:

- Open vehicle door.
- Enter vehicle.
- Close vehicle door.
- Insert key into ignition.
- Turn key to ON position.
- Press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow procedure within time restriction will result in vehicle engine shutdown.