

# FTI-CDP1 - Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH8 RAM	3500 TIP Start Diesel	2013-17	Type 1	OBD-II	Park / Auto Type B	BCM	BCM	Green White/Blue

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

**CAN:** **Type 1** vehicles use CAN connections in harness at OBD-II, the included CAN extension is not required for this install type.

**Lighting:** **Type B** parking lights use the 10-pin connector, please ensure that the unused 6-pin connector is properly secured for safety.

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

**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		

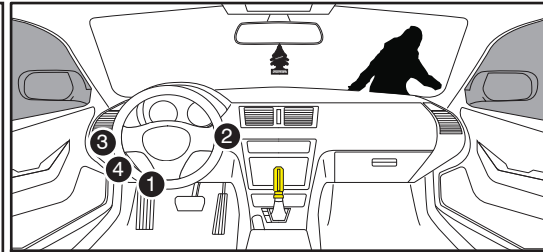
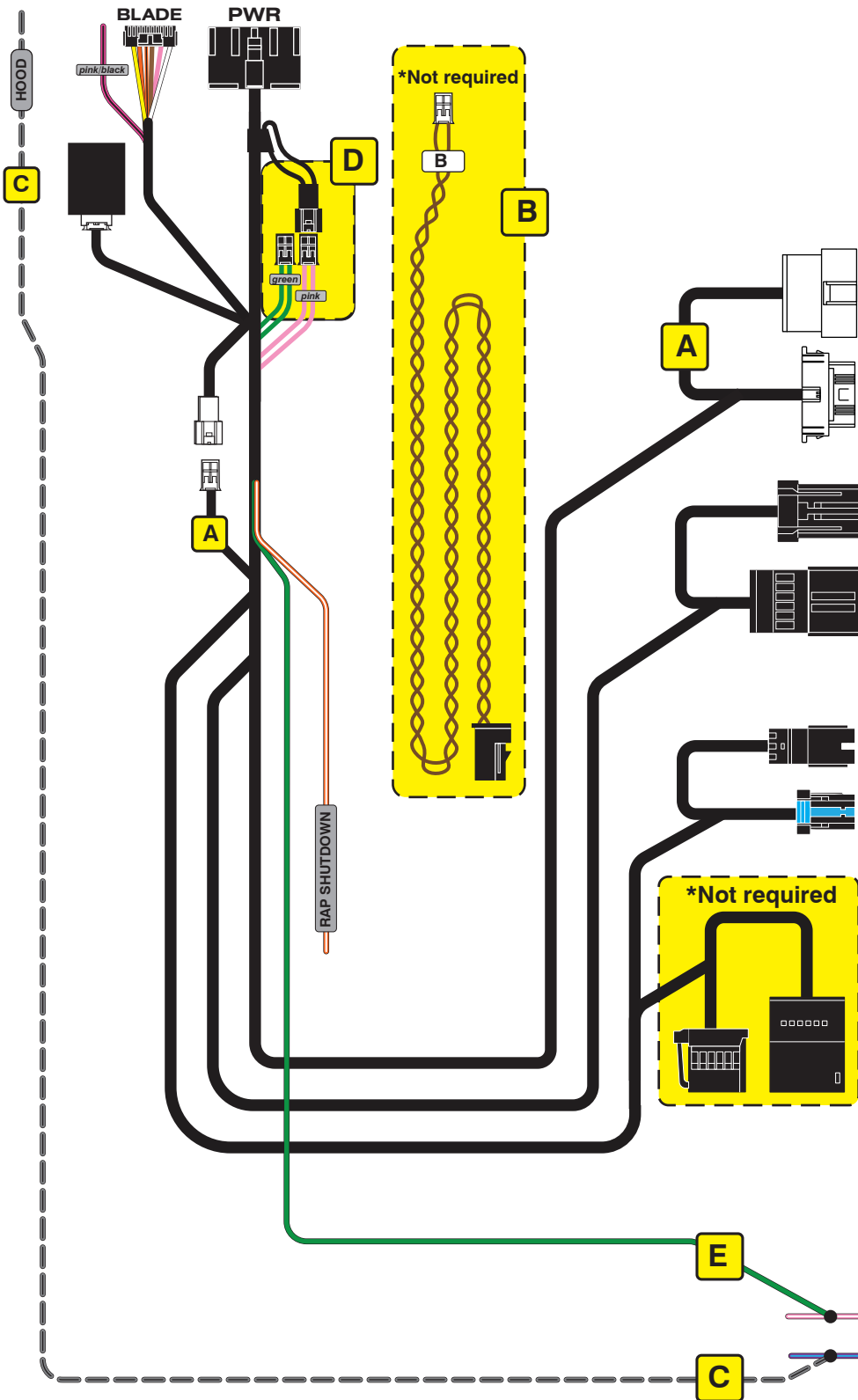
•FT-DAS Required for manual transmission.  
•BOTH Red & Red/White MUST be connected with high current application.

**Jumper Setting**

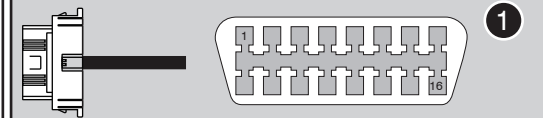
**CM7000/7200** Cut loop for A/T

**CM-900S/900AS**

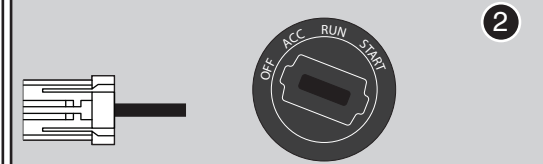
**CM900AS/900S Jumper**



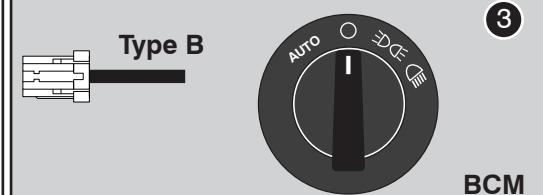
OBD-II connector



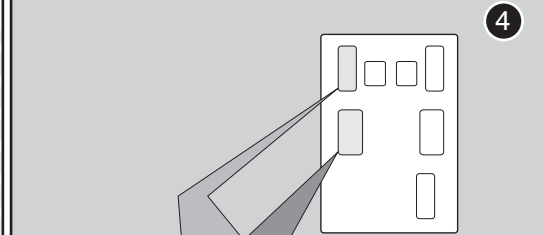
TIP Start Cylinder



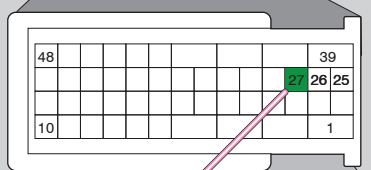
Headlight switch



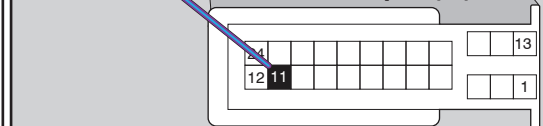
BCM



C5 - Ignition



C1 - Hood pin (-)

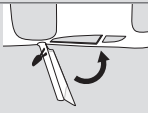
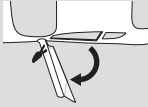
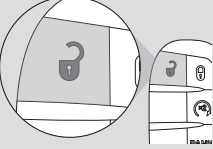
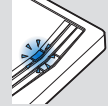
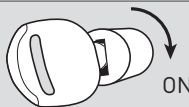
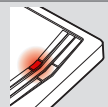
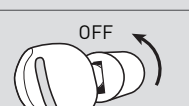
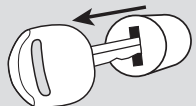
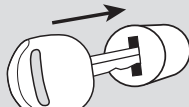
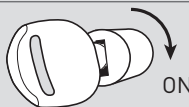



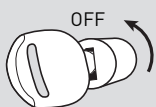
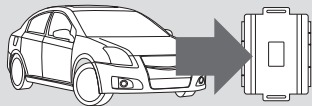


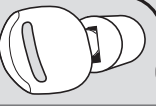
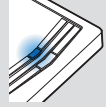
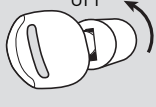

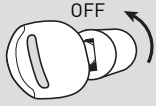
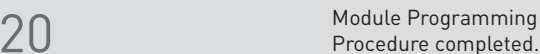
**LED Programming Error Codes**

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.