

# FTI-CDP1 Type 1C2 - Vehicle Coverage & Preparation Notes

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
<b>DL-CH8</b>					Park / Auto			Green White/Blue
RAM	1500/2500/3500 TIP	2013-17	Type 1	OBD-II	B	BCM	BCM	

**Notes:**

**Firmware:**

Covered vehicles use **BLADE-AL(DL)-CH7** or **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**).

**Okay, now get to work...**

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

**Jumper Setting**

Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In (Default)
Ignition (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trunk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Starter
Starter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ignition
Parking Light (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accessory (Default)

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

**CM-900S/900AS**

**CM900AS/900S Jumper**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

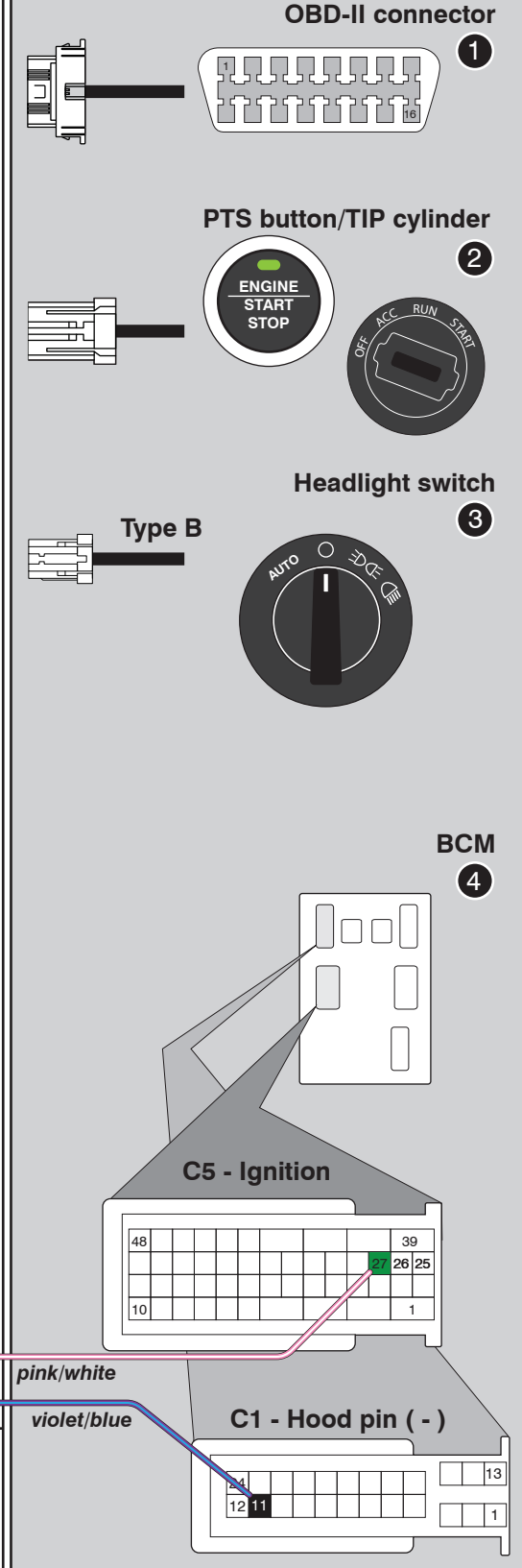
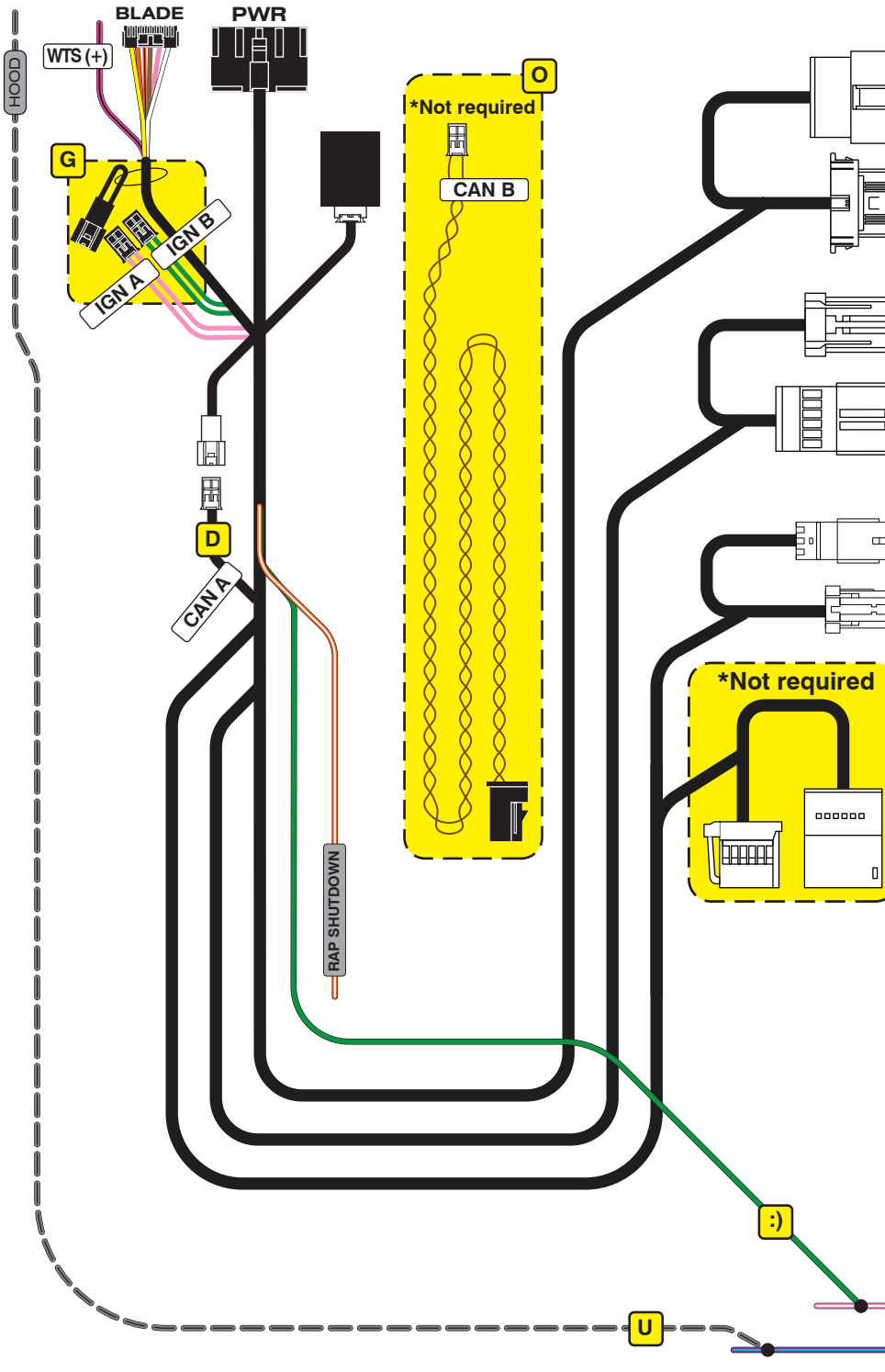
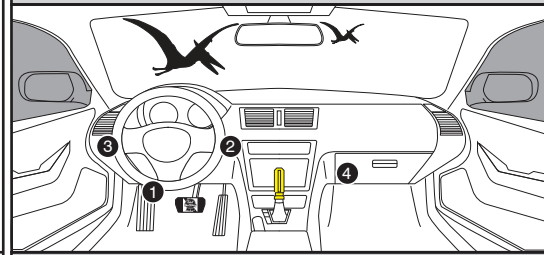
**START**  
**ACC**  
**IGN1**



## FTI-CDP1 Type 1C2 - Installation Notes & Wiring Diagram

FIRSTECH, L.L.C.

- D** Type 1 CAN connection uses harness provision to source CAN data from OBD-II connector
- O** Type 2 CAN extension cable is not used in the covered vehicles. Please ensure that all unused connections are properly secured for safety
- U** Vehicle hood pin status (-), connection located at BCM connector C1 (pin #13, **violet/blue**)
- G** Ignition source jumper, **NO JUMPER** required for this install type. Secure unused ignition jumpers to ensure safety
- :)** Ignition connection varies by vehicle, component locator illustrates common connection to BCM connector C5 (pin #27, **pink/white**), see notes on coverage page for location specifics and exceptions



### Module Programming Procedure CH8

- Step 1 - Close and open driver door to wake data bus
- Step 2 - Press **unlock** on OEM key fob, LED should blink blue
- Step 3 - Remove valet key and battery from OEM key fob
- Step 4 - Activate IGN, press PTS button (2x) using tip of OEM key fob
- Step 5 - When LED turns red, press button again to deactivate IGN
- Step 6 - Activate IGN, LED should blink rapid blue, deactivate IGN
- Step 7 - Disconnect controller and complete extended key programming
- Step 8 - Reconnect to vehicle and activate IGN, LED should go solid blue
- Step 9 - Programming complete

### 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 immobilizer connection
- 4x - No ignition, check wiring
- 5x - VIN error, check CAN wiring, confirm vehicle application
- 6x - No immobilizer data, check immobilizer connection
- 7x - Wrong key, confirm that same key as in part 1 is used
- 8x - No immobilizer data, check immobilizer connection
- 9x - No immobilizer data, check immobilizer connection

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