

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH8					Park / Auto			Green White/Blue
Dodge	Dart TIP	2013-16	Type 1	OBD-II	A	BCM	BCM	

**Hey! Read this stuff before you start the installation...**

**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 A** parking lights use the 6-pin connector, please ensure that the unused 10-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). Proper configuration of the ignition source provisions requires use of the **green**, IGN B jumper, please ensure using the proper connection.

**Hood:**

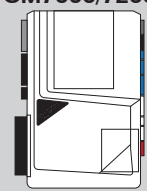

Hood status wire is available at the vehicle BCM, connector C1, pin #11 (**violet/blue**).

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

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

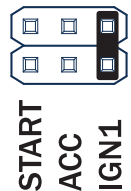
Jumper Setting					
Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In (Default)
Ignition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

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

**CM-900S/900AS**

**CM900AS/900S Jumper**

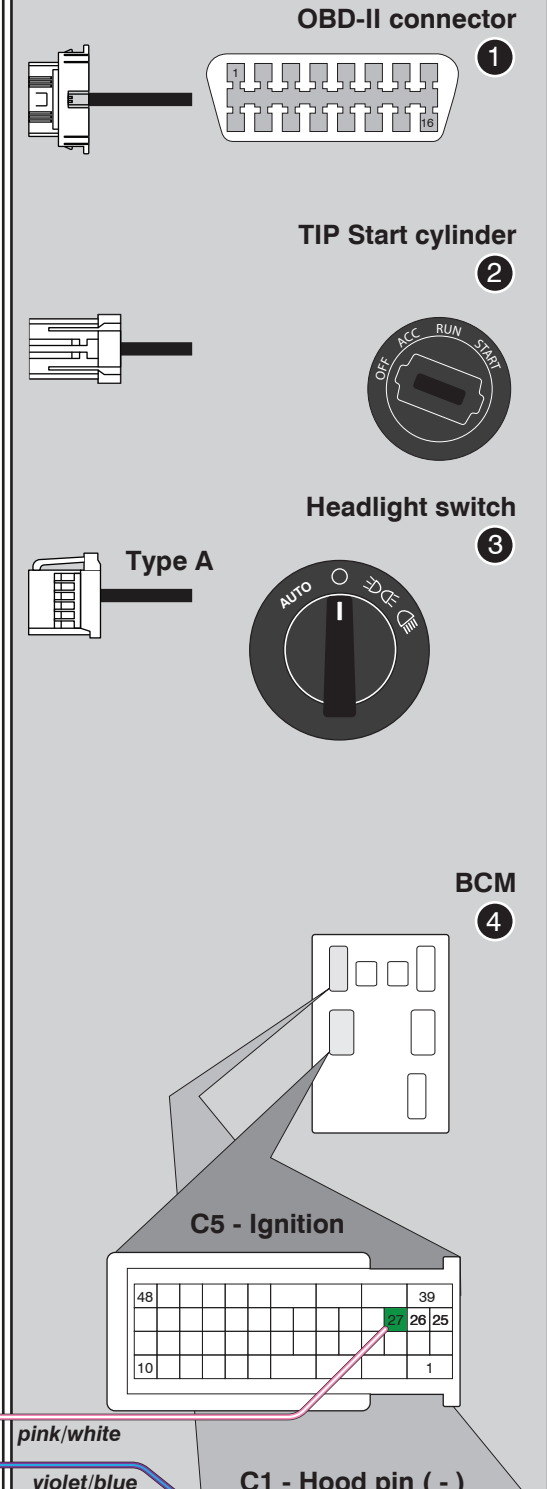
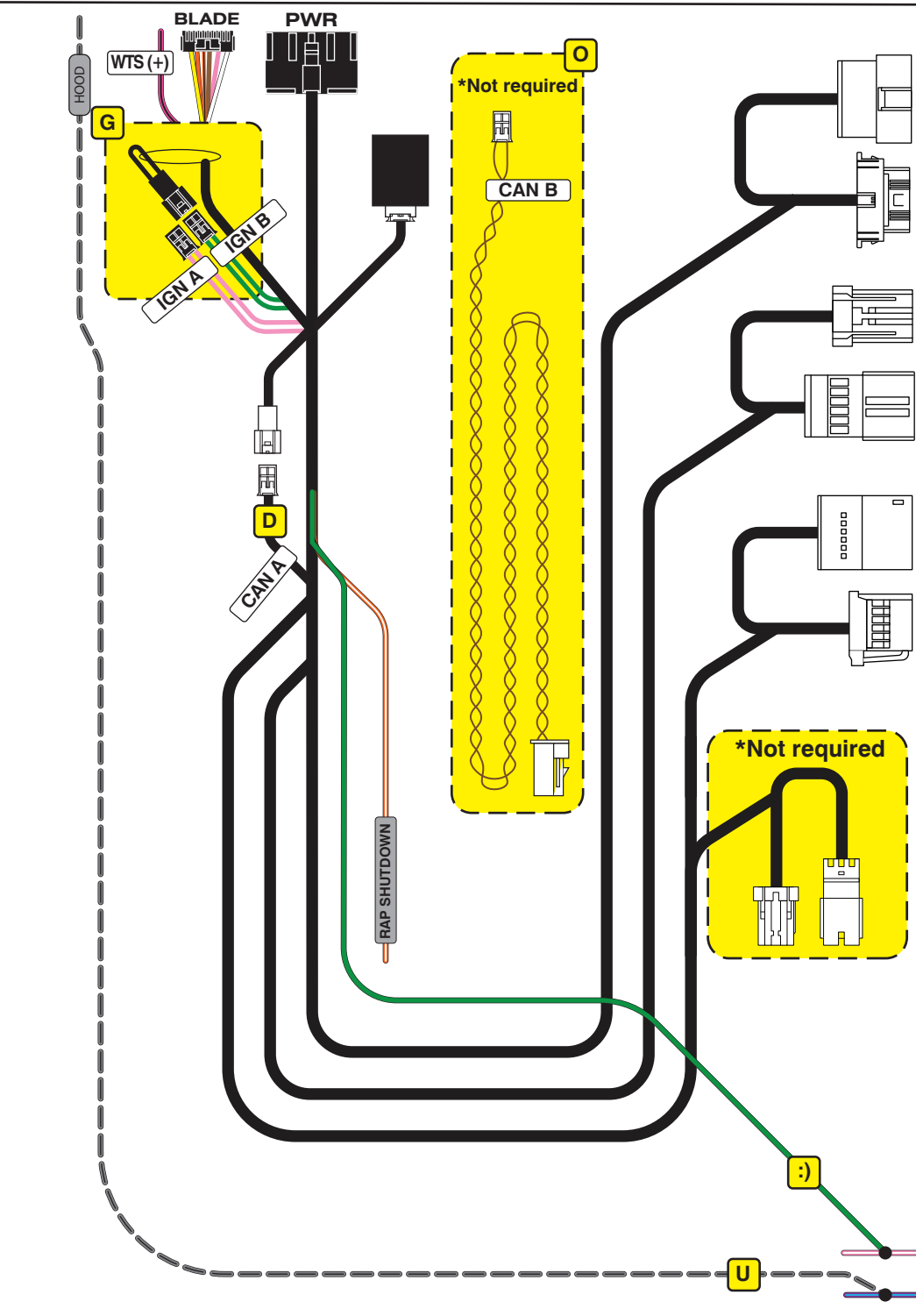
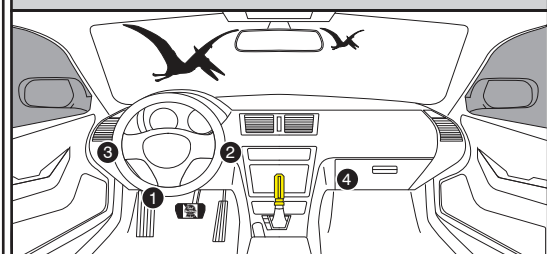


**START  
ACC  
IGN1**



# FT-CDP1 Type 1J - Installation Notes & Wiring Diagram

- 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 insulated and secured for safety.
- U** Vehicle hood pin status (-), connection located at BCM connector C1 (pin #13, **violet/blue**)
- G** The GREEN ignition source jumper (IGN B) is required for this install type. Secure unused IGN A jumper 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

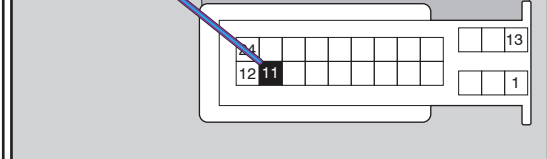


### Module Programming Procedure CH7/8

- 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 again, 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 PTS signal, check button connection
  - 4x - No immobilizer data, check wiring
  - 4x - No immobilizer, confirm only one key in vehicle
  - 5x - No ignition, check wiring
  - 6x - VIN error, check CAN wiring, confirm vehicle application
  - 7x - PTS signal error, check button connection
  - 8x - No PTS signal, check button connection



## FTI-CDP1 Type 1J

SUPPORT - 1(888) 820-3690, EXT. 203