

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH7					Park / Auto			Green White/Blue
Jeep	Grand Cherokee PTS	2018-20	Type 2	CJB/BCM	B	BCM	BCM	
Jeep	Grand Cherokee PTS (D)	2018-20	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500/2500/3500 PTS	2018	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500/2500/3500 PTS (D)	2018	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500 Classic PTS	2019*	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500 Classic PTS (D)	2019*	Type 2	CJB/BCM	B	BCM	BCM	
DL-CH8								
RAM	1500/2500/3500 TIP	2018	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500 Classic TIP	2019*	Type 2	CJB/BCM	B	BCM	BCM	
RAM	1500 Classic TIP (D)	2019*	Type 2	CJB/BCM	B	BCM	BCM	

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

Firmware:

Covered vehicles use either **BLADE-AL(DL)-CH7** or **BLADEL-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**). * 2019 model year vehicles must use the ignition location illustrated, for proper operation. Failure to make this specific connection will result in malfunction.

Hood:

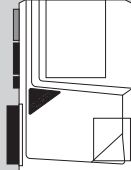
Hood status wire is available at the vehicle BCM, connector C1, pin #11 (**violet/blue**).

Okay, now get to work...

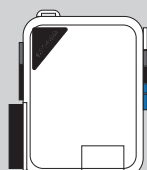
- FT-DAS Required for manual transmission.
- BOTH Red & Red/White MUST be connected with high current application.

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

CM7000/7200




Cut loop for A/T



CM-900S/900AS

CM900AS/900S Jumper



START

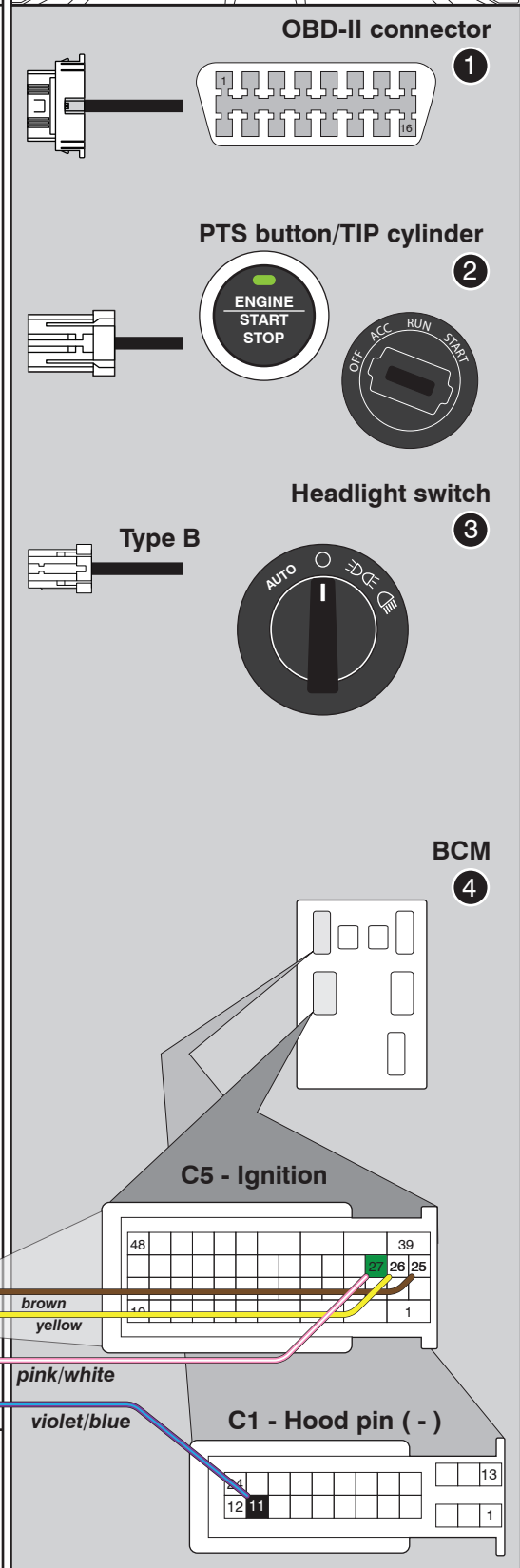
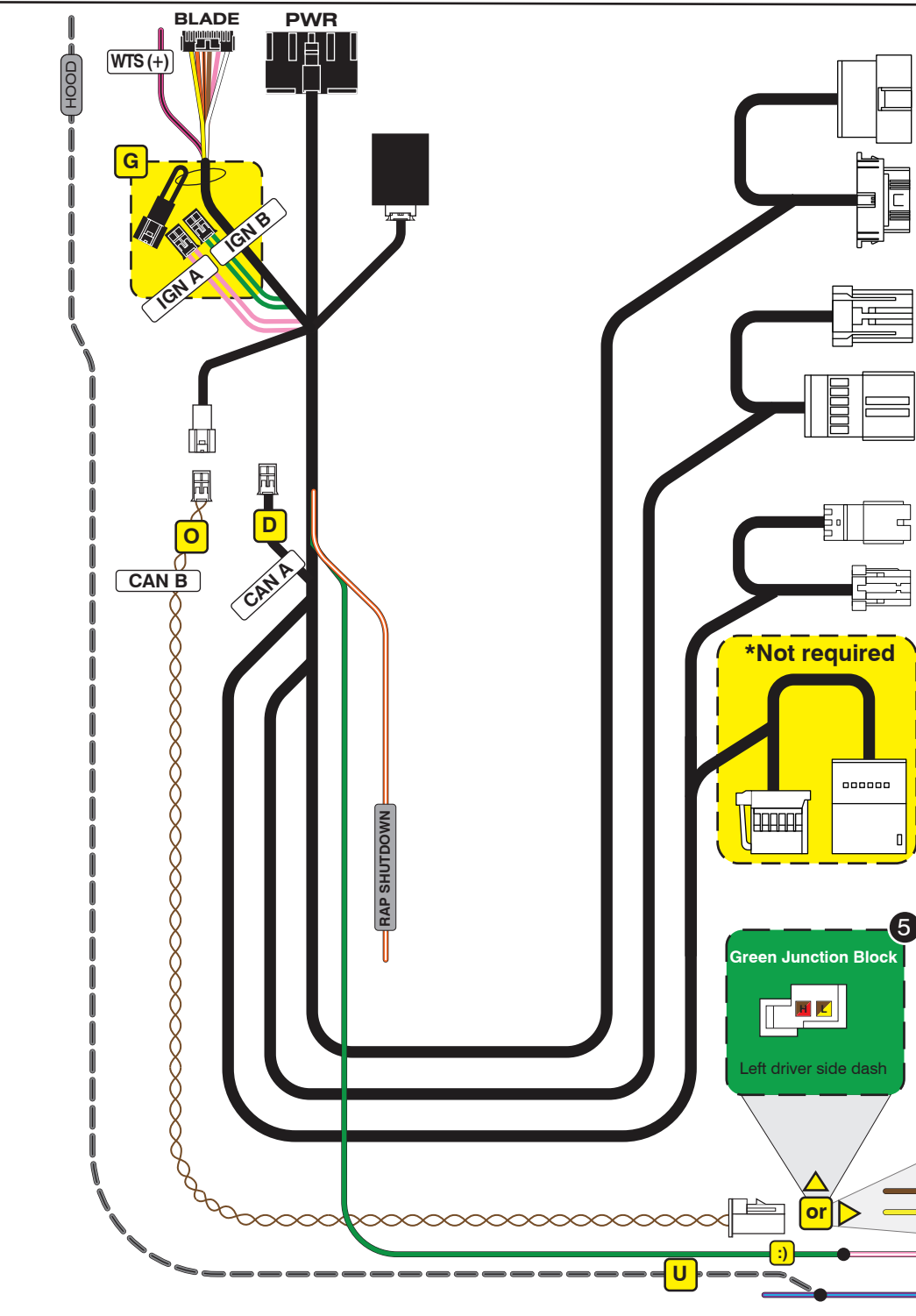
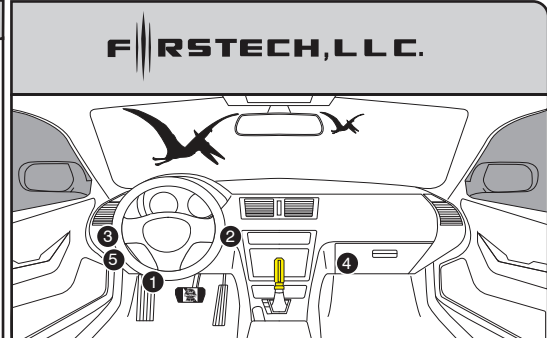
ACC

IGN1



FTI-CDP1 Type 2C - Installation Notes & Wiring Diagram

- D** Type 1 CAN A connection that sources CAN data from OBD-II connector is not used in this install type. Secure the CAN A connector for safety.
- O** Type 2 CAN B extension cable is used in this install type, to make the connection to the vehicle CJB (CAN junction block). Do not make any other CAN connection.
- U** Vehicle hood pin status (-), connection located at BCM connector C1 (pin #13, **violet/blue**)
- G** Ignition source jumper, **NO CONNECTION** 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 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 2C

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