

# FTI-CDP1 Type 2F Vehicle Coverage & Preparation Notes

Make	Model	Year	Install	CAN	Lights	IGN	RAP	I/O Changes
<b>DL-CH12</b>					<b>Park / Auto</b>			<b>Green White/Blue</b>
Jeep	Cherokee PTS	2019-20	Type 2	BCM	A	J		
Jeep	Cherokee TIP <small>(2020 unconfirmed)</small>	2019-20	Type 2	BCM	A	J		

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

Covered vehicle use **BLADE-AL(DL)-CH12** firmware, flash module and update the controller firmware before installing.

**CAN:**

**Type 2** CAN connections utilize the optional CAN extension cable to source data from the vehicle BCM, connector C4 (CANL, pin #37, **yellow**, CANH, pin #38, **brown**)

**Lighting:**

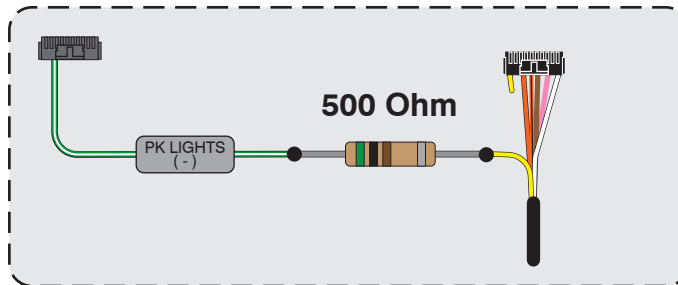
**Type C** parking lights use the 10-pin connector, but require additional circuit manipulation at the BLADE connector, redirecting the **yellow** (MUX) output to a 500 Ohm resistor and the controller **green/white** (-) parking light output.

**Ignition:**

**Type J** ignition is at BCM connector C4 (60-pin connector, pin #3, **brown**), proper identification of circuits is crucial, there are two (2) **brown** wires in the same connector used for this install

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

Lighting Detail:



- 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

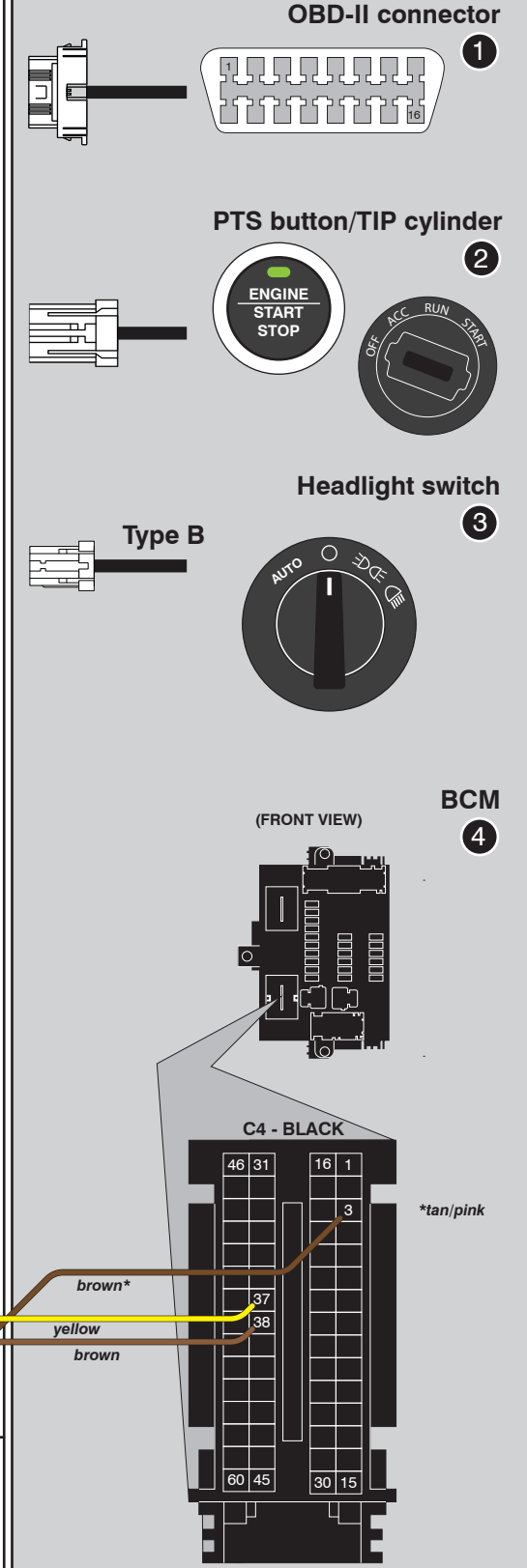
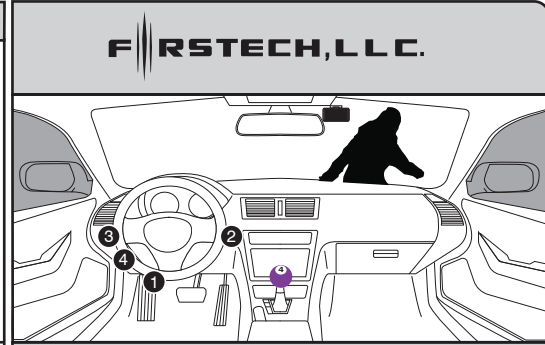
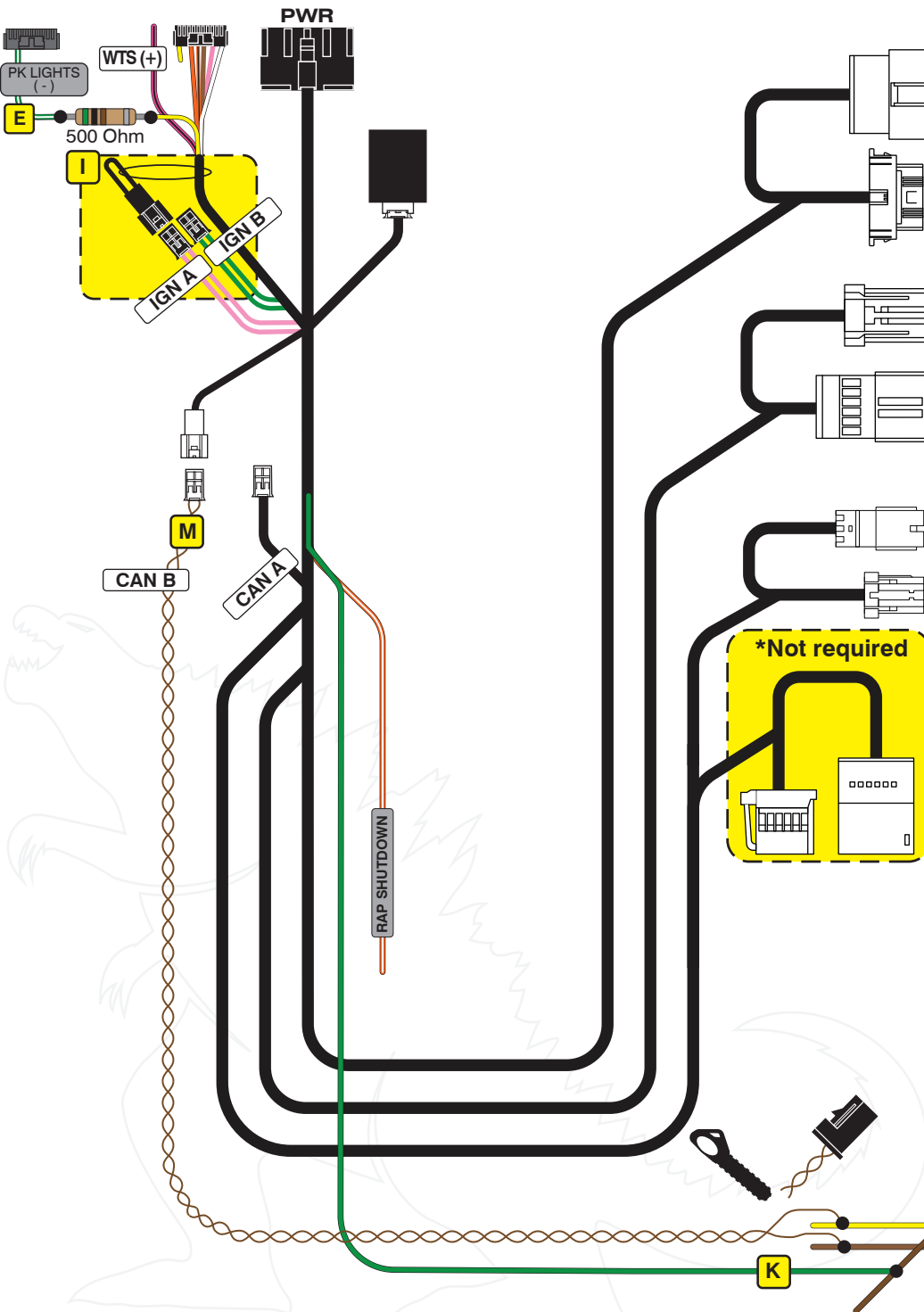
**CM-900S/900AS**

CM900AS/900S Jumper	
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<b>START</b>	
<b>ACC</b>	
<b>IGN1</b>	



# FTI-CDP1 Type 2F - Installation Notes & Wiring Diagram

- M** Covered vehicles utilize Type 2 CAN connection and optional CAN extension cable to source data from the vehicle BCM connector C4 (CANL, pin #37, **yellow**, CANH, pin #38, **brown**)
- I** Ignition source jumper, connect to pink leads for covered vehicle. The unused green jumper connection should be properly secured for safety
- K** Ignition is available at the black 60-pin BCM connector C4 (pin #3, **brown**). This install requires that you connect to two (2) brown wires at the BCM, use caution to ensure correct circuit identification
- E** Type C parking lights utilize the 10-pin connector provided, but requires a modification at the BLADE connector, redirecting the yellow MUX output to the controller parking light output and a 500 Ohm resistor. The 6-pin parking light connector is not used and should be properly secured for safety



## 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 2F

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