

FTI-CDP1 Type 2J - Vehicle Coverage & Preparation notes

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH12					Park / Auto			Green White/Blue
Chrysler	300 PTS	2019	Type 2	CJB/BCM	A	BCM		
Dodge	Challenger PTS	2019	Type 2	CJB/BCM	A	BCM		
Dodge	Charger PTS	2019	Type 2	CJB/BCM	A	BCM		

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

Firmware:

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

CAN:

CAN connections utilize the included CAN extension cable to connect to either the green CAN junction block (behind glove box) or at the BCM (Connector C5, CANH pin #25, CANL pin #26).

Lighting:

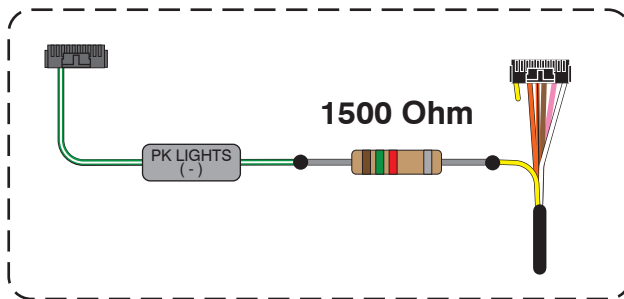
Type A parking lights use the 6-pin connector, but require additional circuit manipulation at the BLADE connector, redirecting the **yellow** (MUX) output to a 1500 Ohm resistor and the controller **green/white** (-) parking light output. See lighting detail below.

Ignition:

Ignition is available at the vehicle BCM (connector C5, pin #27, **pink/white**).

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**

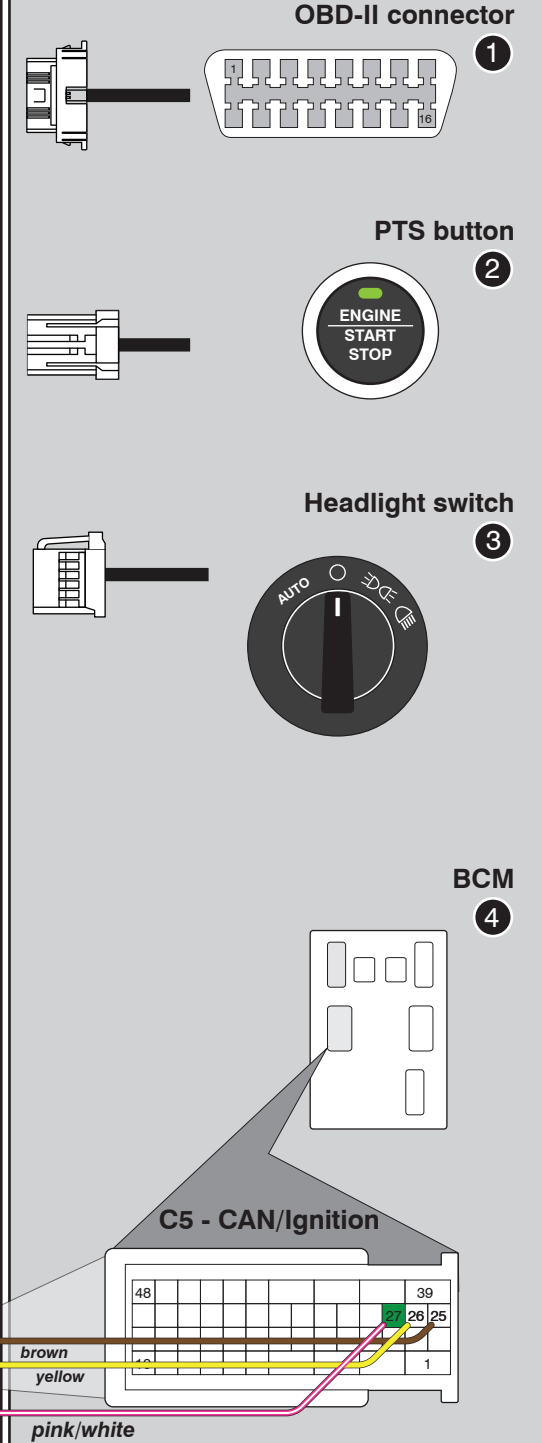
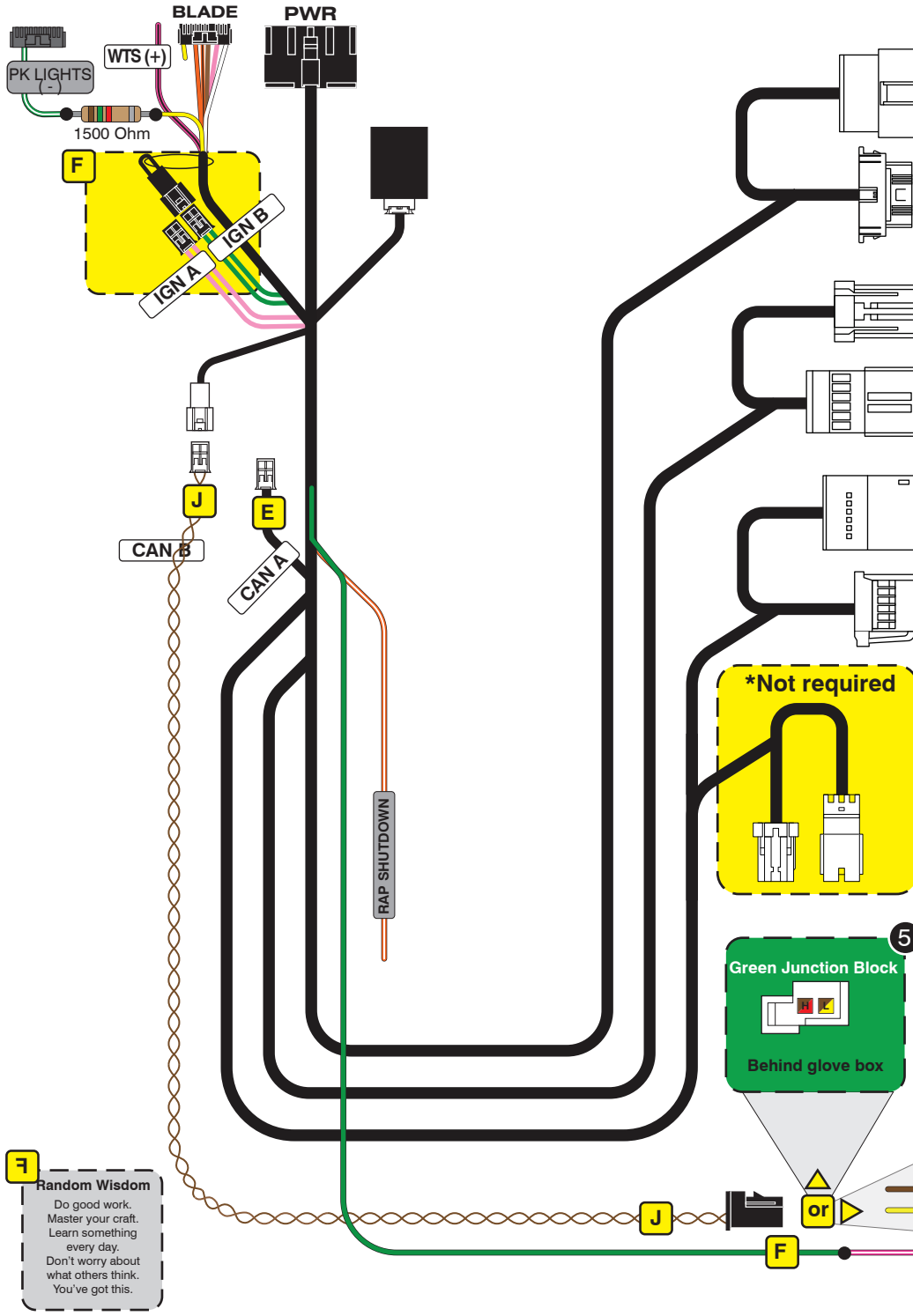
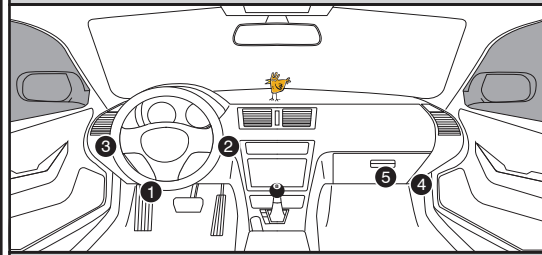
CM-900S/900AS

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



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

- J** Covered vehicles utilize Type 2 CAN connection and optional CAN extension cable to source data from passenger side CAN junction block (near glove box) or BCM C5 (pin #25 CANH, pin #26 CANL)
- E** Type 1 CAN connection not used when using DL-CH12 firmware, CAN data from OBD-II connector is not usable and will result in failure to program, **DO NOT** use harness provision for OBD-II connection.
- F** Ignition source jumper is connect to green leads for covered vehicles, ignition is available at the vehicle BCM, connector C5 (pin #27, **pink/white**) as illustrated
- F** ,bnit of zægsæsem nebbir on ers ørlt ,ærevø ni nettnr ers tsrt ægnrt æbæser æmit æstæw f'noñ gnioþ ær'uoþ tsrw æææ æzod ørt øtoþed kwo of ksoþ tæp øæ ,æmit gnrtæw ylmis ær'uoþ



Module Programming Procedure CH13

- 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 - Activate IGN, press PTS button (2x)
- Step 4 - If LED turns red, turn IGN off/on 6 to 8 times until LED blinks rapid blue
- Step 4a - If LED blinks rapid blue, deactivate IGN
- Step 5 - Disconnect controller and complete extended key programming
- Step 6 - Reconnect to vehicle and activate IGN, LED should go solid blue
- Step 7 - 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 ignition, check ignition connection
 - 4x - No immo activity, check wiring, confirm fob present
 - 5x - No VIN, check CAN wiring, confirm vehicle entry
 - 6x - Same as 4x
 - 8x - Ignition never turns off, check connection
 - 9x - No LIN data, confirm connection at PTS button