

FTI-CDP1 - Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH8					Park / Auto			Green White/Blue
RAM	1500 Classic TIP Start Diesel	2019-22	Type 2	CJB	Type B	BCM	BCM	

Firmware: Covered vehicles use either **BLADE-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**).

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

FTI-CDP1 - Installation and Configuration Notes

- A** Required CAN connections.
- B** Not required.
- C** Vehicle hood status (-).
- D** Ignition jumper, CONNECTION REQUIRED
- E** Ignition connection.



BLADE FEATURE COVERAGE																							
IMMOBILIZER DATA	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	TRUNK/HATCH RELEASE					DOOR STATUS	TRUNK STATUS			BRAKE STATUS	E-BRAKE STATUS	TACH OUTPUT	DATA/MUX IGN/ST	GLOW PLUG STATUS	SECURE TAKEOVER	PARKING LIGHTS	HAZARD LIGHTS	DISCO BALL

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

Jumper Setting

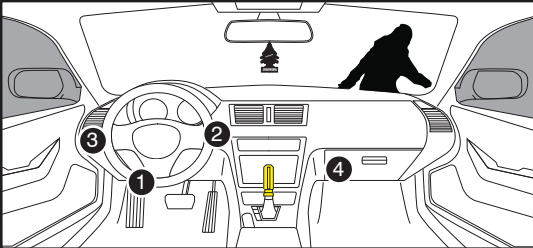
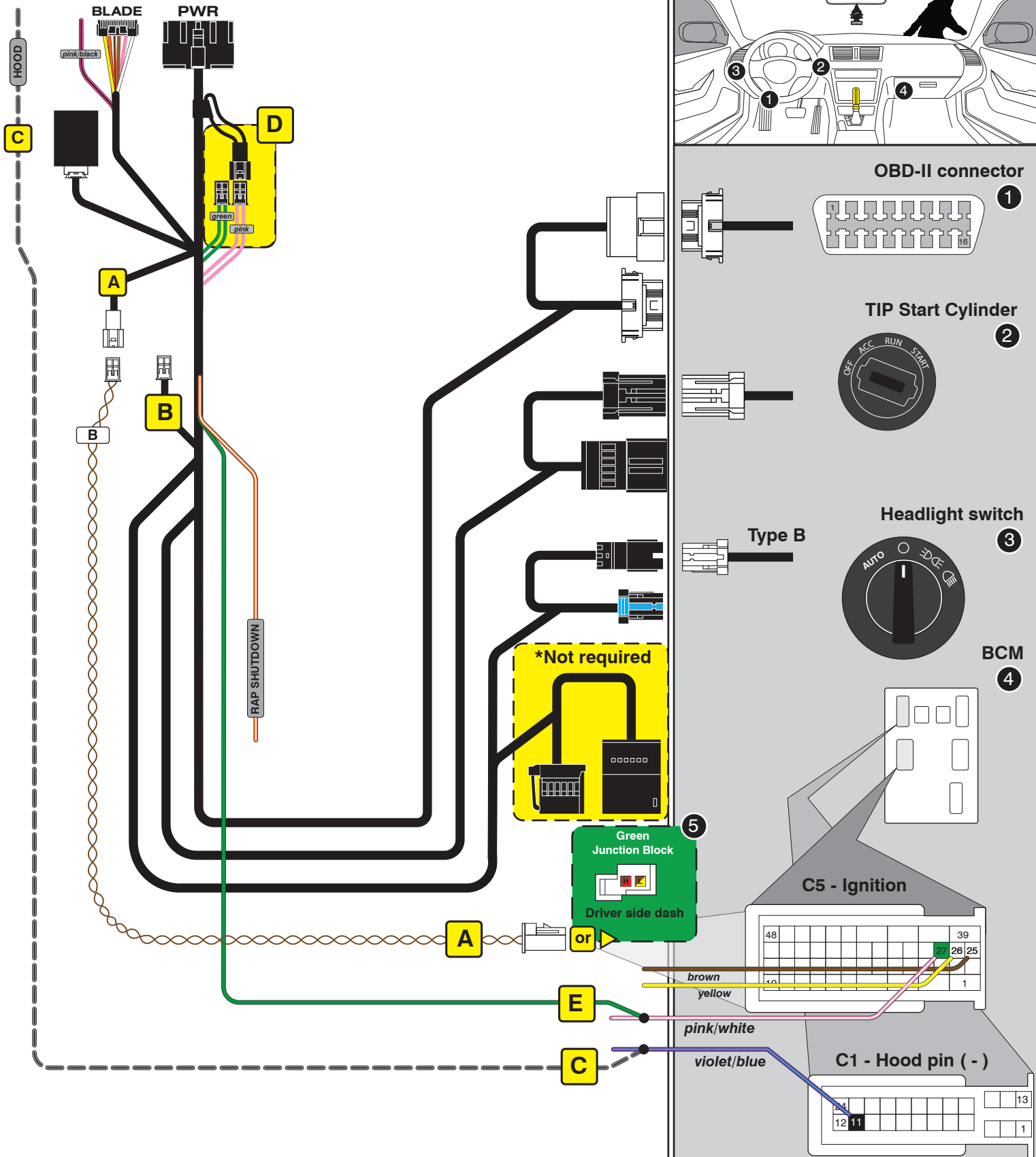
Parking Light			(+)Door Trigger In
Accessory			(-)Door Trigger In
Ignition (Default)			
Trunk			Starter
Starter			Ignition
Parking Light (Default)			Accessory (Default)

CM7000/7200 Cut loop for A/T

CM-900S/900AS

CM900AS/900S Jumper

START
ACC
IGN1



OBD-II connector

1

TIP Start Cylinder

2

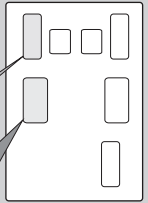
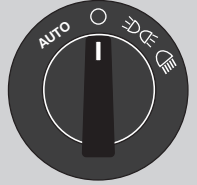
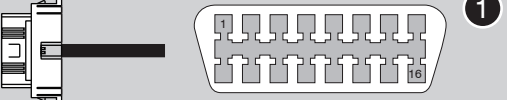
Headlight switch

3

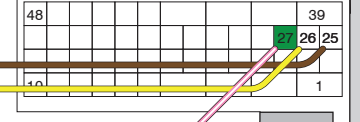
BCM

4

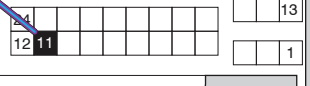
Type B



C5 - Ignition



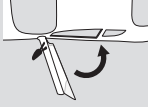
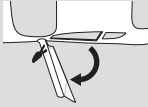
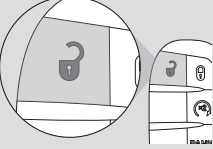
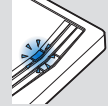
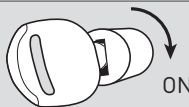
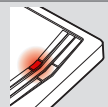
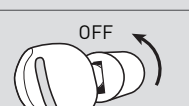
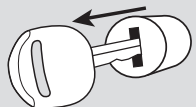
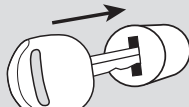
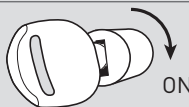

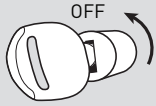
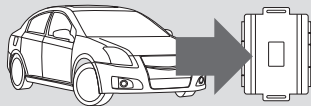
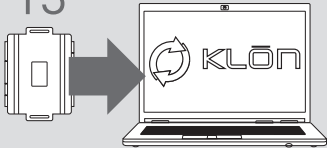
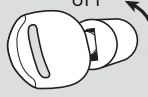
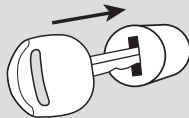
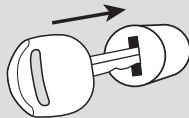



C1 - Hood pin (-)



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 immo data connection
 - 4x - No IGN, check IGN connection
 - 5x - VIN not found, check CAN connections
 - 6x - No immobilizer data, check immo data connection
 - 7x - Not the same key, use only one key for programming
 - 8x - No immobilizer data, check immo data connection
 - 9x - No immobilizer data 10x - Klon error, redo Klon

MODULE PROGRAMMING PROCEDURE - WITH KLON

- | | |
|--|--|
| <p>1</p>  <p>Close driver door.</p>  <p>Re-open driver door to wake up data bus.</p> | <p>11</p>  <p>Turn key to OFF position.</p> |
| <p>2</p>  <p>Press UNLOCK on OEM remote.
If the vehicle is not equipped with an OEM remote, press the module programming button.</p> | <p>12</p>  <p>WARNING:
Disconnect power last.
Disconnect RS from vehicle.</p> |
| <p>3</p>  <p>Wait, LED will flash BLUE once [1x].</p> | <p>13</p>  <p>Connect RS to computer and proceed with extended programming.</p> |
| <p>4</p>  <p>Turn key to ON position.</p> | <p>14</p>  <p>WARNING: Do not press RS programming button.
Connect power first.
Connect RS to vehicle.</p> |
| <p>5</p>  <p>Wait, LED will turn solid RED.</p> | <p>15</p>  <p>Turn key to ON position.</p> |
| <p>6</p>  <p>Turn key to OFF position.</p> | <p>16</p>  <p>Wait, LED will turn solid BLUE for 2 seconds.</p> |
| <p>7</p>  <p>Remove key.</p> | <p>17</p>  <p>Turn key to OFF position.</p> |
| <p>8</p>  <p>Insert key into ignition.</p> | <p>18</p>  <p>Turn key to START position.</p> |
| <p>9</p>  <p>Turn key to ON position.</p> | <p>19</p>  <p>Turn key to OFF position.</p> |
| <p>10</p>  <p>Wait, LED will flash BLUE.</p> | <p>20</p> <p>Module Programming Procedure completed.</p> |

WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

IMPORTANT

- All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

NOTE

- All vehicle doors must be closed and locked prior to remote start sequence.



TIME RESTRICTION COMING UP !

1



Press UNLOCK on after-market remote.

2



TIME RESTRICTION

Within 45 SECONDS from previous step:

- Open vehicle door.
- Enter vehicle.
- Close vehicle door.
- Insert key into ignition.
- Turn key to ON position.
- Press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow procedure within time restriction will result in vehicle engine shutdown.