Make	Model	Year	Install	CAN	Lights	IGN	Hood	I/O Changes
DL-CH7 RAM	3500 PTS	2013-17	Type 1	OBD-II	**Park / Auto** Type B	BCM	BCM	**Green White/Blue**

Firmware: Covered vehicles use **BLADE-AL(DL)-CH7**, 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 B parking lights use the 10-pin connector, please ensure that the unused 6-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),

FTI-CDP1 - Installation and Configuration Notes

A Required CAN connections.

B Not Required.

C Hood pin connection (if required).

D Ignition jumper, NO CONNECTION required.

E Ignition connection.

- 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 [Default]
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

FEATURE COVERAGE

IMMOBILIZER DATA	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM			DOOR STATUS		RAP SHUTDOWN	BRAKE STATUS	E-BRAKE STATUS	TACH OUTPUT		SECURE TAKEOVER	PARKING LIGHTS	
●	●	●	●	●	●			●		●	●	●	●		●	●	

HOOD

BLADE

pink/black

PWR

C

D

green   pink

B

*Not required

B

A

RAP SHUTDOWN

A

A

*Not required

E

pink/white

C

**INSTALL AFTERMARKET
PART IF REQUIRED**

OBD-II connector ❶

1   16

PTS button ❷

ENGINE
START
STOP

Headlight switch ❸

AUTO

BCM ❹

C5 - Ignition

48										39
									27	26 25
10										1

Type B

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

Patent No. US 8,856,780 CA 2759622

COM-BLADE-AL(DL)-CH7-EN   Doc. No.:   ##72396## 20201117
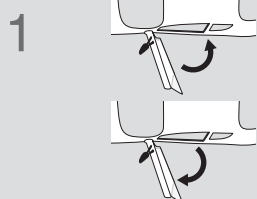
CARTRIDGE INSTALLATION
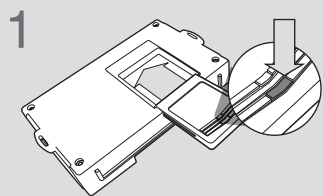
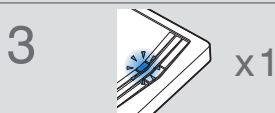|	
1	Slide cartridge into unit. Notice button under LED.
2	Ready for Module Programming Procedure.

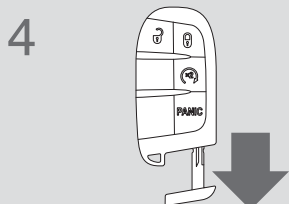## MODULE PROGRAMMING PROCEDURE - WITH KLON - 1 OF 2
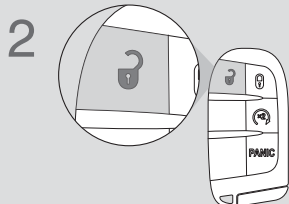
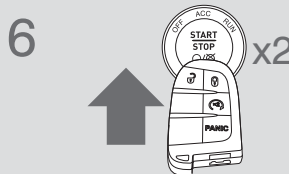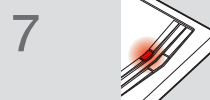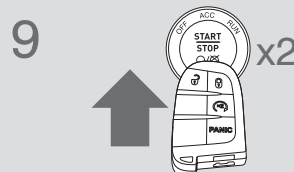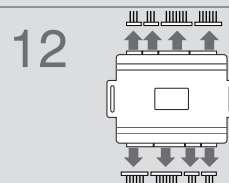|	
1	Close driver door.
	Re-open driver door to wake up data bus.
2	Press UNLOCK on keyfob 1.
3 x1	Wait, LED will flash BLUE once [1x].
4	Remove valet key from keyfob 1.
5	Remove batteries from keyfob 1.
6 x2	Push start button twice [2x] with keyfob 1 to ON position. (No battery)
7	Wait, LED will turn solid RED.
8 x1	Push start button once [1x] to OFF position.
9 x2	Push start button twice [2x] with keyfob 1 to ON position. (No battery)
10	Wait, if LED flashes BLUE rapidly, proceed to step 11. If LED turns solid RED, repeat steps 8 to 10.
11 x1	Push start button once [1x] to OFF position.
12	Disconnect all connectors from remote starter except the power connector.
13	Disconnect the power connector.
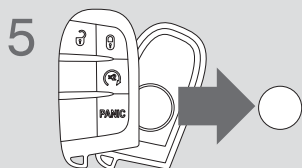
IMPORTANT: READ NEXT PAGE !

Patent No. US 8,856,780 CA 2759622

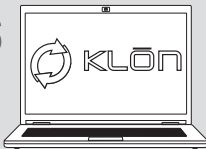## MODULE PROGRAMMING PROCEDURE - WITH KLON - 2 OF 2
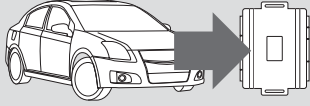
14 Remove remote starter from vehicle.
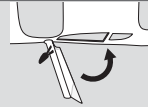
15 Connect remote starter to computer.

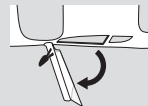**16** KLON Proceed with extended programming.

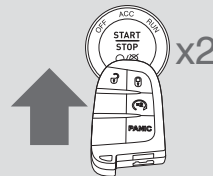**17** Connect remote starter to vehicle.
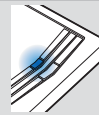
18 Close driver door.

Re-open driver door to wake up data bus.

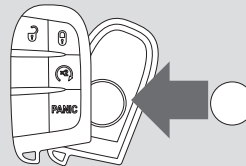**19** x2 Push start button twice [2x] with keyfob 1 to ON position. (No battery)

20 Wait, LED will turn solid BLUE for 2 seconds.

21 x1 Push start button once [1x] to OFF position. Module Programming Procedure completed.

22 Insert battery in keyfob 1.

WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

IMPORTANT

l   All OEM keyfobs must be at least 10 feet away from the vehicle. 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

l   All vehicle doors must be closed and locked prior to remote start sequence.
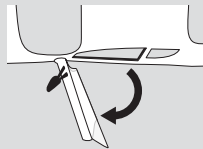
↓ TIME RESTRICTION COMING UP !

1 Press UNLOCK on after-market remote.

2 **TIME RESTRICTION**
Within 45 SECONDS from previous step:

Open vehicle door.
Enter vehicle.
Close vehicle door.

Press and release BRAKE pedal.

3 Take over procedure completed.

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