

Make	Model	Year	Install	CAN	Lights	RAP	POC	I/O Changes
DL-CH4 RAM	4500 Tip-Start	2010-12	Type 1	WIN	Park / Auto Type A	DDP		Green White/Blue

**Firmware:** Vehicle requires **BLADE-AL(DL)-CH4** firmware, flash module and update the controller firmware before beginning the installation.

**CAN:** In the event that troubleshooting is necessary, CAN connections are located in the connector at the vehicle WIN (Wireless Ignition Node).

**Lights: Type A** MUX type parking lights are populated in the supplied 6-pin headlight switch connector on the harness assembly, properly secure the unused 10-pin connector for safety

**RAP:** RAP shutdown handling for all other covered vehicles is at the driver door pin wire, **purple** wire located in the driver kick panel harness, circuit tests ( - ) negative with door open.

## FTI-CDK2 - Installation and Configuration Notes

- A** RAP shutdown connection, configure POC for RAP (option #31).
- B** WTS (Wait to start) for diesel applications.
- C** Connection not required.

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

**Jumper Setting**

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

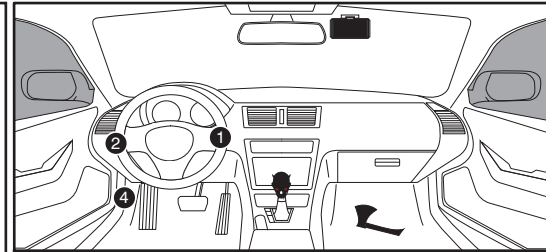
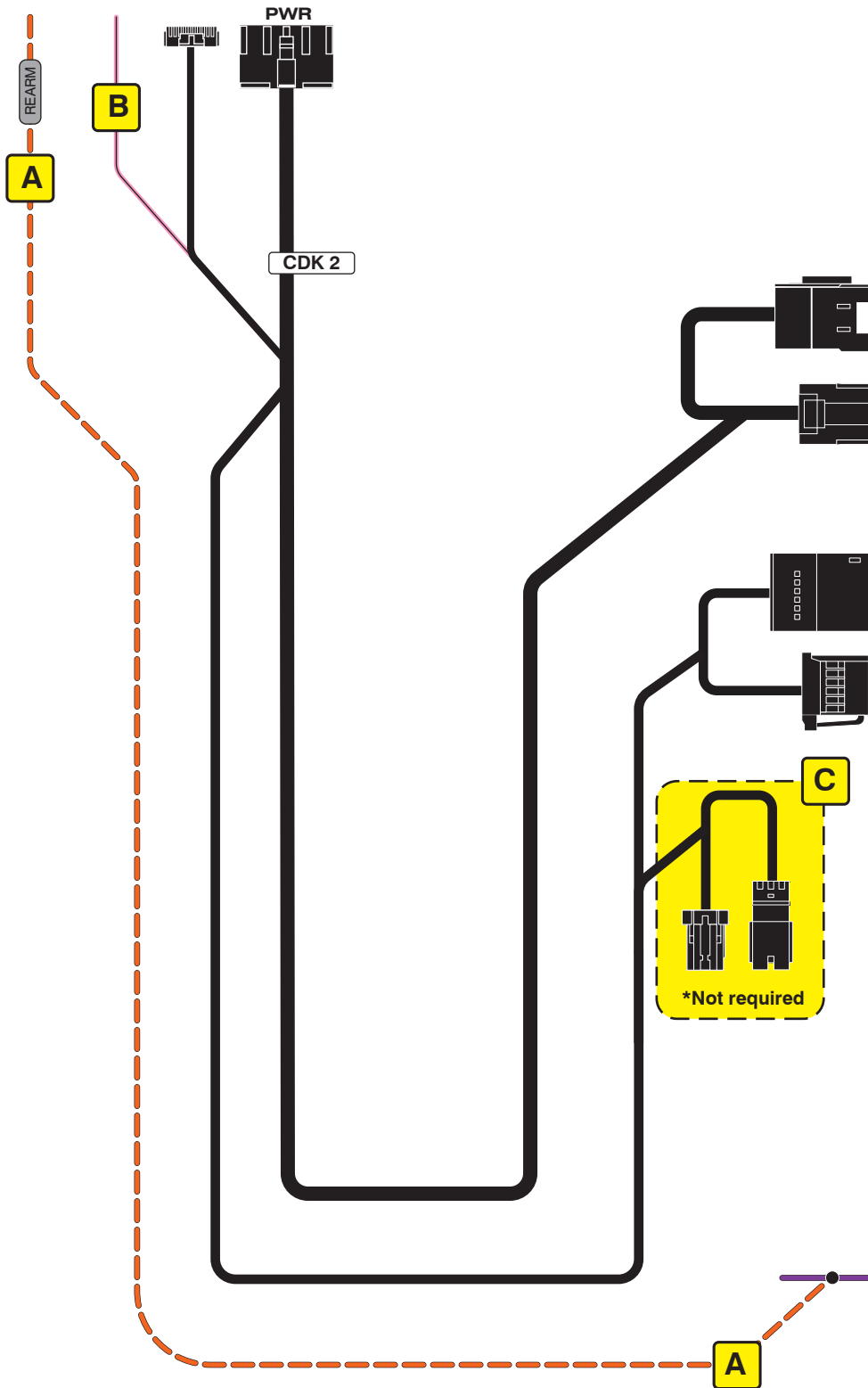
**CM7000/7200** Cut loop for A/T

**CM-900S/900AS**

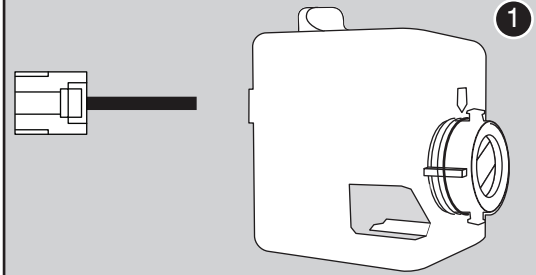
**CM900AS/900S Jumper**



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	DATA/MUX IGNITION
										SECURE TAKEOVER	PARKING LIGHTS



**Wireless Ignition Node** 1



**Headlight Switch** 2



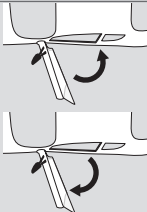

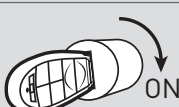
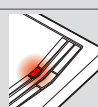
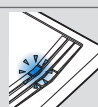
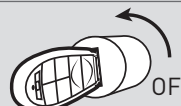


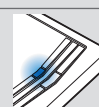
**Driver kick panel harness** 4

Purple (-)

**LED Programming Error Codes**

- Module LED flashing RED during programming
- 1x - CAN issue
- 2x - Immobilizer (confirm vehicle equipped, press button if not)
- 3x - Immobilizer (confirm vehicle starts by key)
- 4x - No VIN info
- 5x - VIN mismatch (contact support)

## MODULE PROGRAMMING PROCEDURE

- |    |  |   |
|----|--|---|
| 1  |   | Close driver door.<br><br>Re-open driver door to wake up data bus.  |
| 2  |   | Insert key into ignition.   |
| 3  |   | Turn key to ON position.  |
| 4  |   | LED will turn solid RED.  |
| 5  |  | Within 5 seconds, LED will flash BLUE rapidly.  |
| 6  |  | Turn key to OFF position.   |
| 7  |  | Remove key.   |
| 8  |  | Press UNLOCK on the OEM remote.<br><br>If vehicle is not equipped with OEM remote, press module programming button. |
| 9  |  | Wait, LED will turn solid BLUE for 2 seconds.   |
| 10 |  | Module Programming Procedure completed.   |

## 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



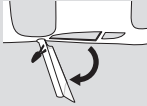



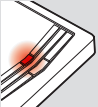
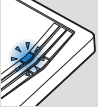
- All vehicle doors must be closed and locked prior to remote start sequence.

 **TIME RESTRICTION COMING UP !**

- |   |  |  |
|---|--|--|
| 1 |   | Press UNLOCK on after-market remote.   |
| 2 |   | <b>TIME RESTRICTION</b><br>Within 45 SECONDS from previous step:<br><br>Open vehicle door.<br>Enter vehicle. |
| 3 |  | Insert key into ignition.  |
| 4 |  | Turn key to ON position.<br><br>Wait 2 seconds for key validation.   |
| 5 |  | Press and release BRAKE pedal.   |
| 6 |  | Take over procedure completed.   |

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

## MODULE PROGRAMMING PROCEDURE - PUSH TO START

- |   |  |  |  |  |  |
|---|--|--|--|--|--|
| 1 |   | Close driver door.   |  |  |  |
|   |   | Re-open driver door to wake up data bus.                                 |  |  |  |
| 2 |   | DO NOT PRESS BRAKE PEDAL<br>Push start button twice [2x] to ON position. |  |  |  |
| 3 |   | LED will turn solid RED.   |  |  |  |
| 4 |   | Within 5 seconds, LED will flash BLUE rapidly.                           |  |  |  |
| 5 |  | DO NOT PRESS BRAKE PEDAL<br>Push start button once [1x] to OFF position. |  |  |  |
| 6 |  | Press UNLOCK on the OEM remote.  |  |  |  |
| 7 |  | Wait, LED will turn solid BLUE for 2 seconds.                            |  |  |  |
| 8 |  | Module Programming Procedure completed.                                  |  |  |  |

## 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 - PUSH TO START - TO THE VEHICLE OWNER

### NOTE

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

 **TIME RESTRICTION COMING UP !**

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| 2 |   | <b>TIME RESTRICTION</b><br>Within 45 SECONDS from previous step:<br><br>Open vehicle door.<br>Enter vehicle.       |  |  |  |
| 3 |  | DO NOT PRESS BRAKE PEDAL<br>Push start button twice [2x] to ON position.<br><br>Wait 2 seconds for key validation. |  |  |  |
| 4 |  | Press and release BRAKE pedal.   |  |  |  |
| 5 |  | Take over procedure completed.   |  |  |  |
|   |   | Failure to follow procedure within time restriction will result in vehicle engine shutdown.                        |  |  |  |