

Make	Model	Year	Install	CAN	Lights	RAP	POC	I/O Changes
DL-CH4 Dodge	Grand Caravan Tip-Start	2008-10	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	Accessory	Ignition (Default)	(+)Door Trigger In (Default)	(-)Door Trigger In (Default)
Trunk	Starter	Parking Light (Default)	Starter Ignition	Accessory (Default)

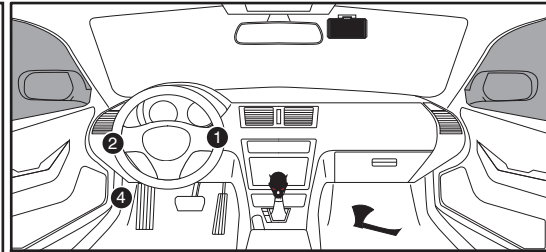
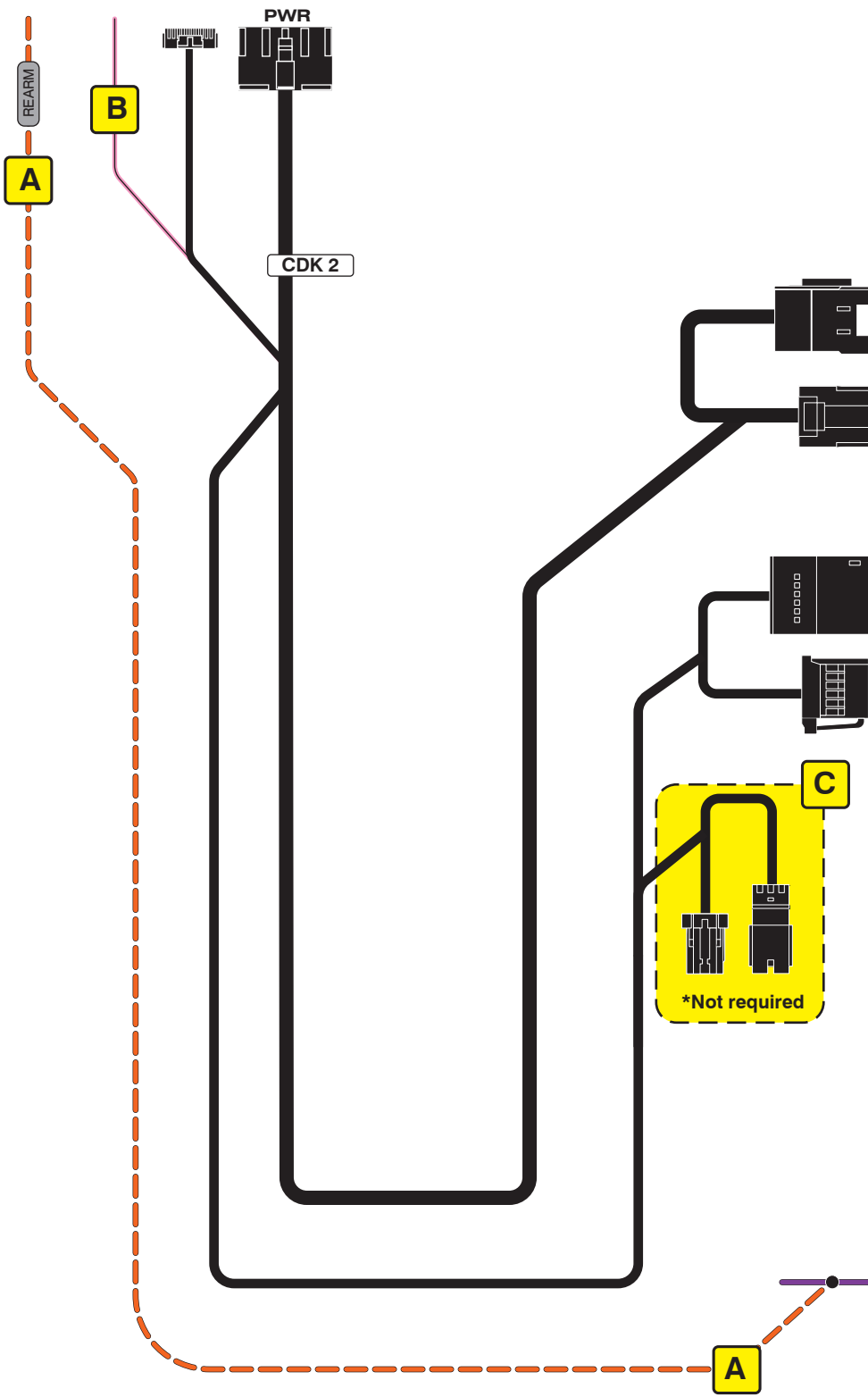
CM7000/7200 **Cut loop for A/T**

CM-900S/900AS

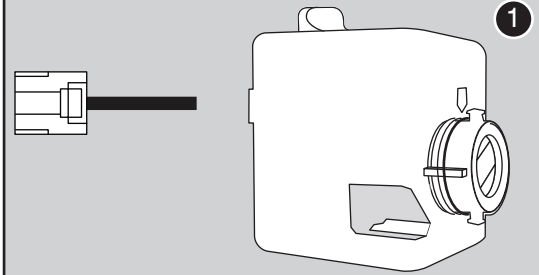
CM900AS/900S Jumper



FEATURE COVERAGE																			
IMMOBILIZER DATA	PRIORITY UNLOCK	DOOR LOCK	DOOR UNLOCK	ARM OEM ALARM	DISARM OEM ALARM	POWER LIFTGATE	POWER SLIDING DOOR (L)	POWER SLIDING DOOR (R)	DOOR STATUS	TRUNK STATUS	RAP SHUTDOWN	BRAKE STATUS	E-BRAKE STATUS	TACH OUTPUT	DATA/MUX IGNITION	SECURE TAKEOVER	PARKING LIGHTS		



Wireless Ignition Node 1



Headlight Switch 2



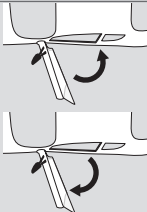
Driver kick panel harness 4


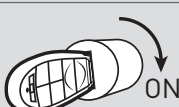
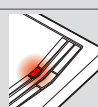
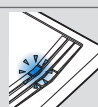
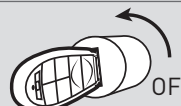


Purple (-)

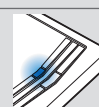
LED Programming Error Codes

- 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.

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.

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 !**



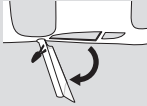



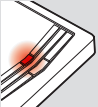
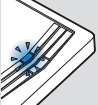
- | | | |
|---|--|--|
| 1 |  | Press UNLOCK on after-market remote. |
| 2 |  | TIME RESTRICTION
Within 45 SECONDS from previous step:

Open vehicle door.
Enter vehicle. |
| 3 |  | Insert key into ignition. |
| 4 |  | Turn key to ON position.

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

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 !

- | | | | | | |
|---|---|---|---|--|--|
| 1 |  | Press UNLOCK on after-market remote. | 3 |  | DO NOT PRESS BRAKE PEDAL
Push start button twice [2x] to ON position.

Wait 2 seconds for key validation. |
| 2 |  | TIME RESTRICTION
Within 45 SECONDS from previous step:

Open vehicle door.
Enter vehicle. | 4 |  | Press and release BRAKE pedal. |
| | | | 5 | | Take over procedure completed. |

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