

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
<b>DL-GM12</b>					<b>Park / Auto</b>			<b>Green White/Blue</b>
Chevrolet	Suburban Key w/o On-Star w/Factory Alarm	2017-18	Type 2	OBD-II	H			
Chevrolet	Tahoe Key w/o On-Star w/Factory Alarm	2017-18	Type 2	OBD-II	H			
GMC	Yukon Key w/o On-Star w/Factory Alarm	2017-18	Type 2	OBD-II	H			

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

**Firmware:**

Covered vehicles use **BLADE-AL(DL)-GM12**, flash module and update the controller firmware before installing.

**Install:**

**Type 2** vehicles attain CAN data from the OBD-II connector, which requires the **CAN/OBD** configuration of the CAN source junction connectors on the harness assembly. The vehicle BCM is located left of the steering column (LSC) in all covered vehicles.

**Lights:**

Type H lights are incorporated in the harness and utilize the vehicle hazard lights for visual display of runtime status/diagnostics. Re-pinning of the CM I/O (gray) harness is required if you wish to use hazard lights, traditional parking light option is noted in the installation notes and diagram. Use of hazards also requires that you reconfigure the POC for one of the following hazard control options, **Hazard1** (POC option #30 (momentary) **or** **Hazard2** (POC option #23 (latching), depending on hazard switch operation.

**Locks:**

CM lock connector is mandatory for this installation type. The harness is pre-wired in the harness assembly to provide the necessary analog control.

**ACC configuration:**

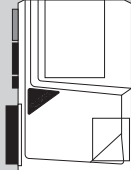
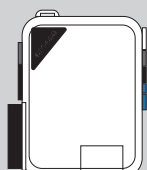
Type 1C install requires an ACC pulse with disarm, set feature option 1-11 to option 3 (ACC pulse - same timing as disarm pulse).

**Okay, now get to work...**

- 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**



START

ACC

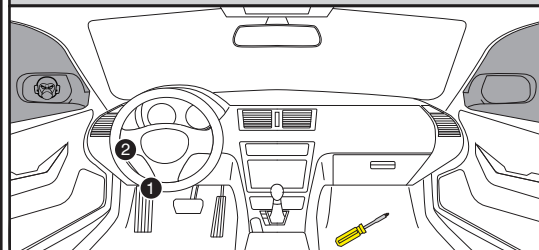
IGN1



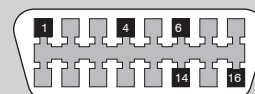
# FTI-GMK2 Type 2C2 - Installation Notes & Wiring Diagram

FIRSTECH, L.L.C.

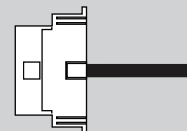
- A** Hazard light connection, pin terminated, replace the wire for POC 1 in the CMx I/O connector if hazard flash is desired. See also, note **C**
- B** CAN/SWC source selector, **Type 2** installs require **CAN/OBD** configuration, as illustrated. Secure the unused BCM connector for safety.
- C** Harness is wired for runtime/diagnostic lighting via hazard lights, if traditional pk lights are desired use CM I/O (-) pk light output (**green/white**) connected to **it. green/gray** in pin #22 of white X1 connector
- D** CM lock connector mandatory for this installation type, locks are handled by analog connections to the BCM, pre-wired in the harness assembly



OBD-II Connector

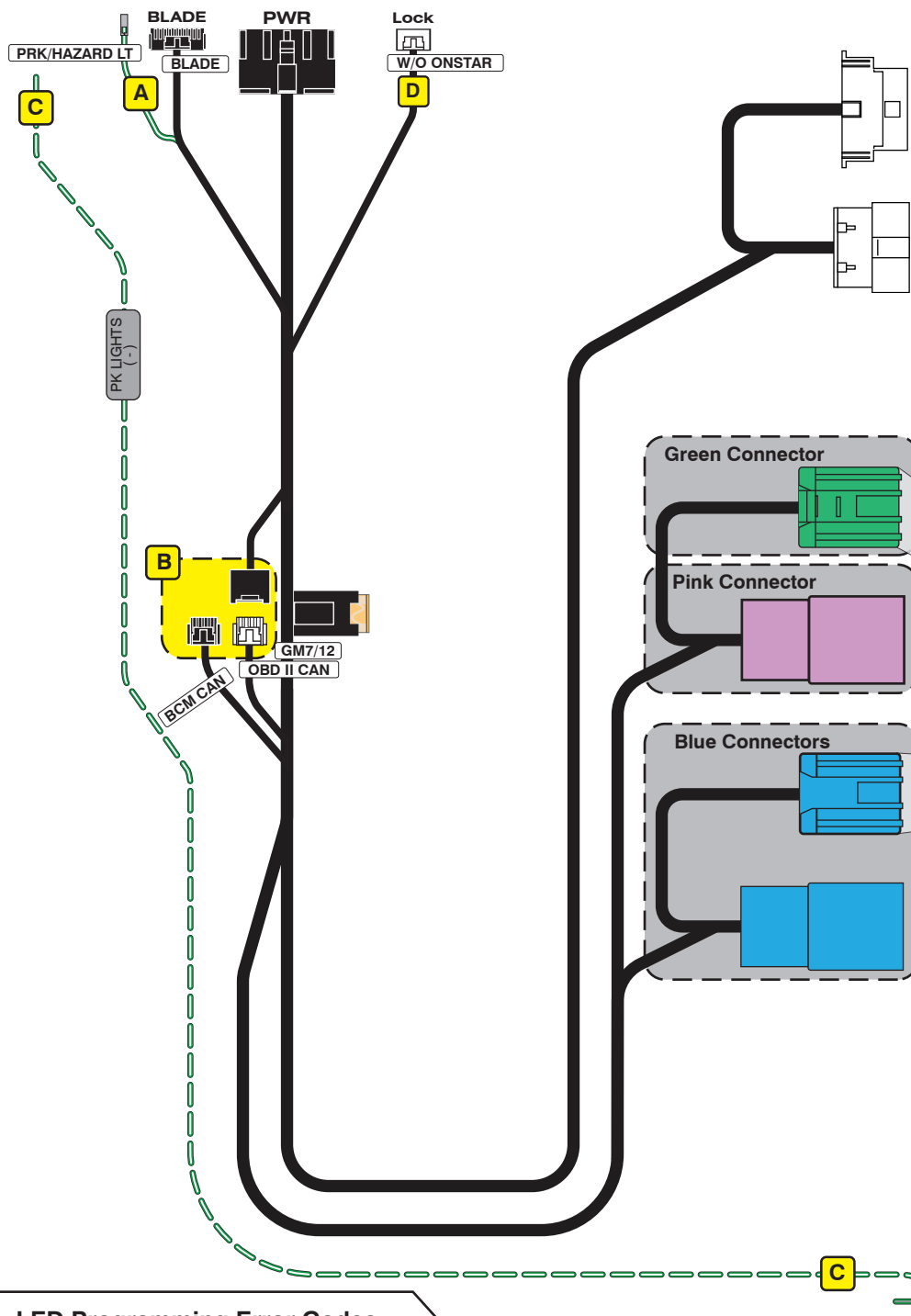
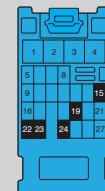
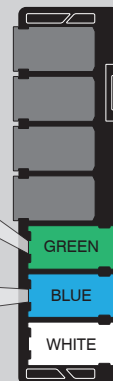


1



BCM

2



## LED Programming Error Codes

Module LED flashing RED during programming

- 1x - No ACC power, check GREEN connector
- 2x - MUX status not detected, check GREEN connector
- 3x - No IGN, check GREEN connector
- 4x - No HSCAN activity, check BLUE connector
- 5x - No SWC activity, check BLUE connector
- 6x - Wrong SWC message, confirm key has been removed
- 7x - No ACC power, check GREEN connector
- 8x - No immobilizer data, check GREEN & BLADE connectors
- 9x - IGN ON, confirm key has been removed
- 10x - Keysense active, confirm key has been removed
- 11x - No ACC, confirm key is on
- 12x - No IGN, confirm key is on
- 13x - VIN not matching Weblink data, contact engineering

## Module Programming Procedure

- Step 1 - Insert Key, activate IGN, wait for module to blink blue
- Step 2 - Remove key from cylinder, module should turn red
- Step 3 - Reinsert key, activate IGN, wait for LED to go off
- Step 4 - Remove then reinsert key, activate IGN again
- Step 5 - Module LED should go solid blue, programming complete

FTI-GMK2 Type 2C2

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