

Make	Model	Year	Install	CAN	Lights	BCM	Trunk	I/O Changes
<b>DL-GM8</b>					<b>Park / Auto</b>			<b>Green White /Blue</b>
Buick	Encore PTS	2017-18	Type 1	OBD-II	H	LSC		
Buick	LaCrosse PTS	2010-16	Type 1	OBD-II	H	LSC		
Buick	Regal PTS	2013-18	Type 1	OBD-II	H	LSC		
Cadillac	CT6 PTS	2014-18	Type 1	OBD-II	H	LSC		
Cadillac	SRX PTS	2010-16	Type 1	OBD-II	H	LSC		
Cadillac	XT5 PTS	2013-16	Type 1	OBD-II	H	LSC		
Cadillac	XTS PTS	2013-16	Type 1	OBD-II	H	LSC		
Chevrolet	Cruze PTS	2013-18	Type 1	OBD-II	H	LSC		
Chevrolet	Impala PTS	2014-18	Type 1	OBD-II	H	LSC		
Chevrolet	Malibu PTS	2013-15	Type 1	OBD-II	H	LSC		
Chevrolet	Sonic PTS	2017-18	Type 1	OBD-II	H	LSC		
Chevrolet	Spark PTS	2016-18	Type 1	OBD-II	H	LSC		

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

**Firmware:**

Covered vehicles use **BLADE-AL(DL)-GM8**, flash module and update the controller firmware before installing.

**Install:**

Type 1A vehicle Body Control Module is located to the left of the steering column (LSC)

**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.

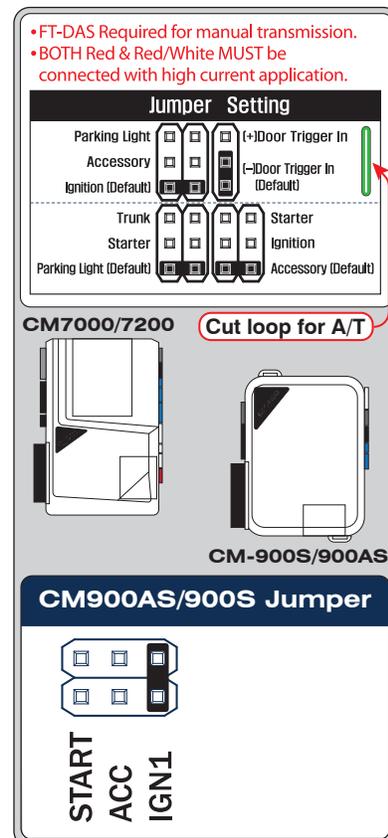
**OBD-II connector:**

Harness OBD-II provision is detachable (for use with the included extension) but required to complete installation because power and ground connections are included in that connection

**CAN:**

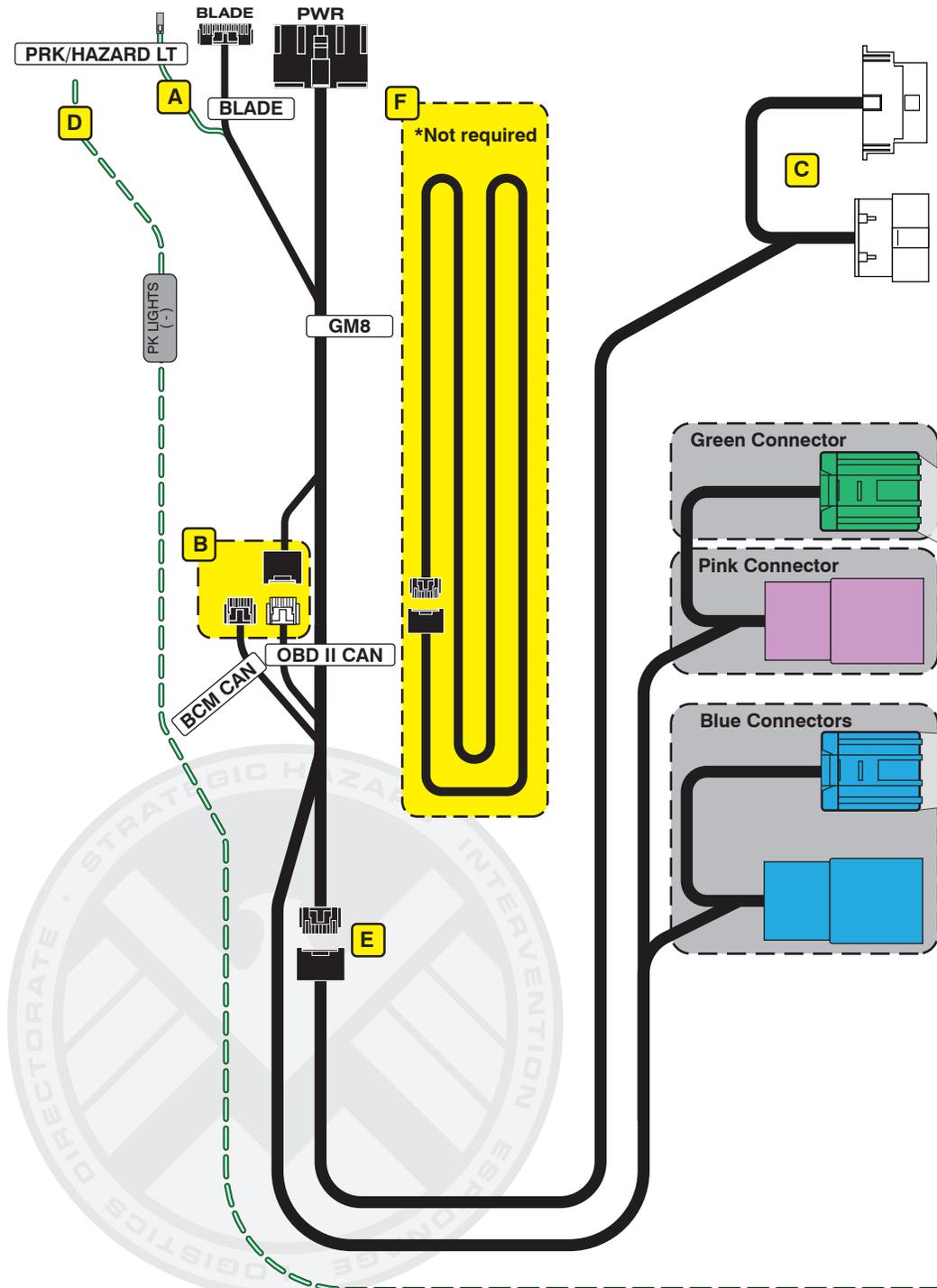
All covered vehicles attain CAN data from the OBD-II connector and utilize the **CAN/OBD** configuration of the CAN source connection .

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



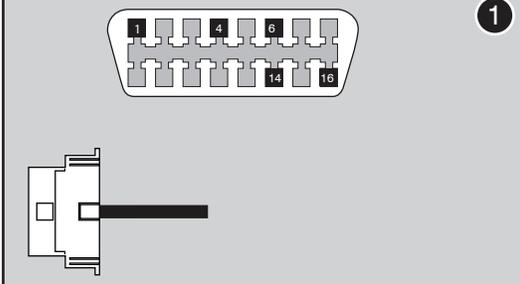
# FTI-GMP1 Type 1A - Installation Notes & Wiring Diagram

- A** Hazard light connection, pin terminated, replace the wire for POC 1 in CMx I/O connector if hazard flash is desired. See also, note **D**
- B** CAN/SWC source selector, covered vehicles use the **OBD-II** connection, do not use **BCM** connector. See note **C** regarding OBD connector, regardless of OBD-II or BCM selection
- C** Regardless of CAN/SWC selection, **OBD-II Y-connection is mandatory**. OBD-II is primary source for +12V power and ground
- D** 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 **lt. green/gray** in pin #22 of white X1 connector
- E** CAN/SWC/PWR connection direct to OBD-II leg of harness assembly for BCM located on driver side of vehicle, BCMs located on the passenger side require use of the 5-pin extension cable **F**

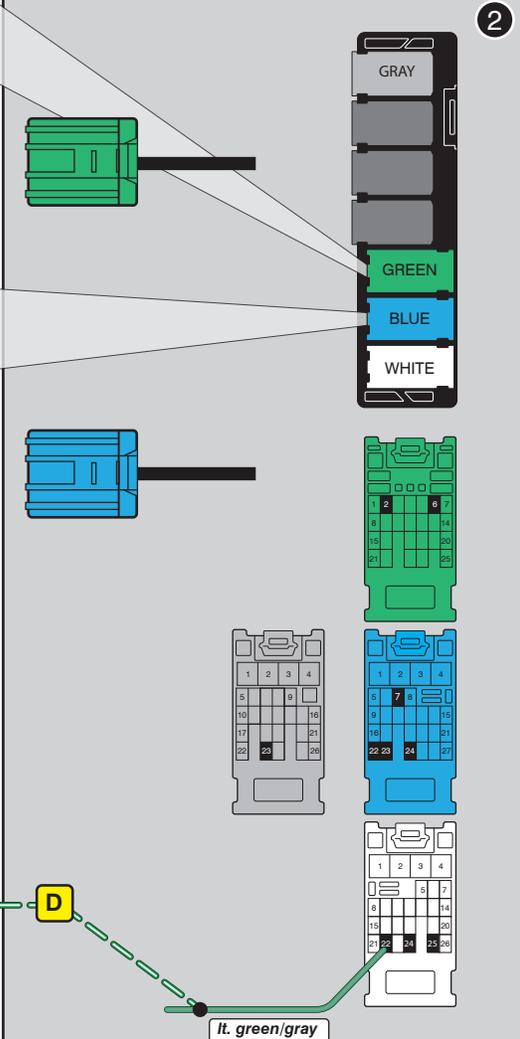


FIRSTECH, L.L.C.

## OBD-II connector



## BCM



### Module Programming Procedure

- Step 1 - Use one key during programming, one key only
- Step 2 - Remove battery from fob, place key fob in reader in armrest or center console, confirm placement in owner's manual
- Step 3 - Close/open driver door, activate IGN (PTS 2x or hold 5 sec)
- Step 4 - Wait for red LED, deactivate IGN, wait for rapid blue LED
- Step 5 - Disconnect and complete extended programming
- Step 6 - Reconnect to vehicle, activate IGN (PTS 2x or hold 5 sec)
- Step 7 - Wait for solid blue LED, deactivate IGN, reinstall fob battery, programming complete

### LED Programming Error Codes

- Module LED flashing RED during programming
- 1x - No SWC data, check BLUE connector and CAN selection
  - 2x - No immobilizer data, confirm GREEN and BLADE connectors
  - 3x - No HS CAN
  - 4x - No ignition, check BLUE connector and CAN selection
  - 5x - VIN not matching Weblink data, contact engineering
  - 6x - No immobilizer data, check GREEN connector or hold IGN
  - 7x - Immobilizer data error, confirm only using one key
  - 8x - No immobilizer data, check GREEN and BLADE connectors
  - 9x - Immobilizer data error, see above
  - 10x - Klon data error, reset module and repeat programming
  - 11x - No ignition, check BLUE connector and CAN selection

## FTI-GMP1 Type 1A

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