

Make	Model	Year	Install	CAN	Lights	BCM	Trunk	I/O Changes
DL-GM8					Park / Auto			Green White/Blue
Cadillac	ATS PTS	2013-18	Type 2A**	OBD-II	H	BGB		
Cadillac	CTS Sedan PTS	2014-18	Type 2A	OBD-II	H	LSC		
Cadillac	Escalade PTS	2015-18	Type 2A	OBD-II	H	LSC		
Chevrolet	Camaro PTS	2016-18	Type 2A	OBD-II	H	LSC		
Chevrolet	Suburban PTS	2015-18	Type 2A	OBD-II	H	LSC		
Chevrolet	Tahoe PTS	2015-18	Type 2A	OBD-II	H	LSC		
GMC	Yukon PTS	2015-18	Type 2A	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 2A vehicle BCM is located to the left of the steering column (LSC)

Type 2A vehicle (Cadillac ATS) BCM is located behind the glove box, OBD-II extension required**

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 12V power and ground connections are included in that connection.

CAN:

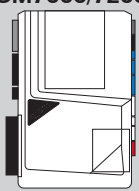
Type 2A vehicles attain CAN data from the OBD-II connector, which requires using the **CAN/OBD** configuration of the CAN source junction on the harness assembly. The vehicle BCM is located left of the steering column (LSC) in all covered vehicles, excluding the Cadillac ATS (behind glove box).

Okay, now get to work...

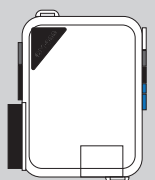
- FT-DAS Required for manual transmission.
- BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting					
Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In (Default)
Ignition (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Trunk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Starter
Starter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ignition
Parking Light (Default)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accessory (Default)

CM7000/7200




Cut loop for A/T



CM-900S/900AS

CM900AS/900S Jumper



START

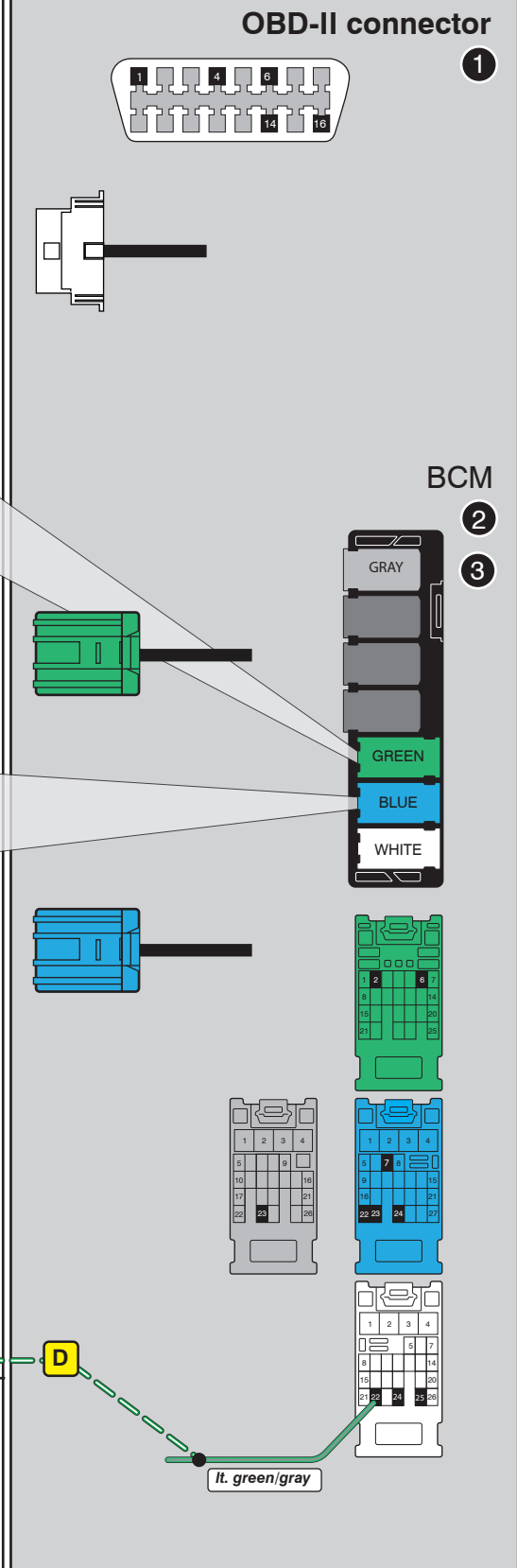
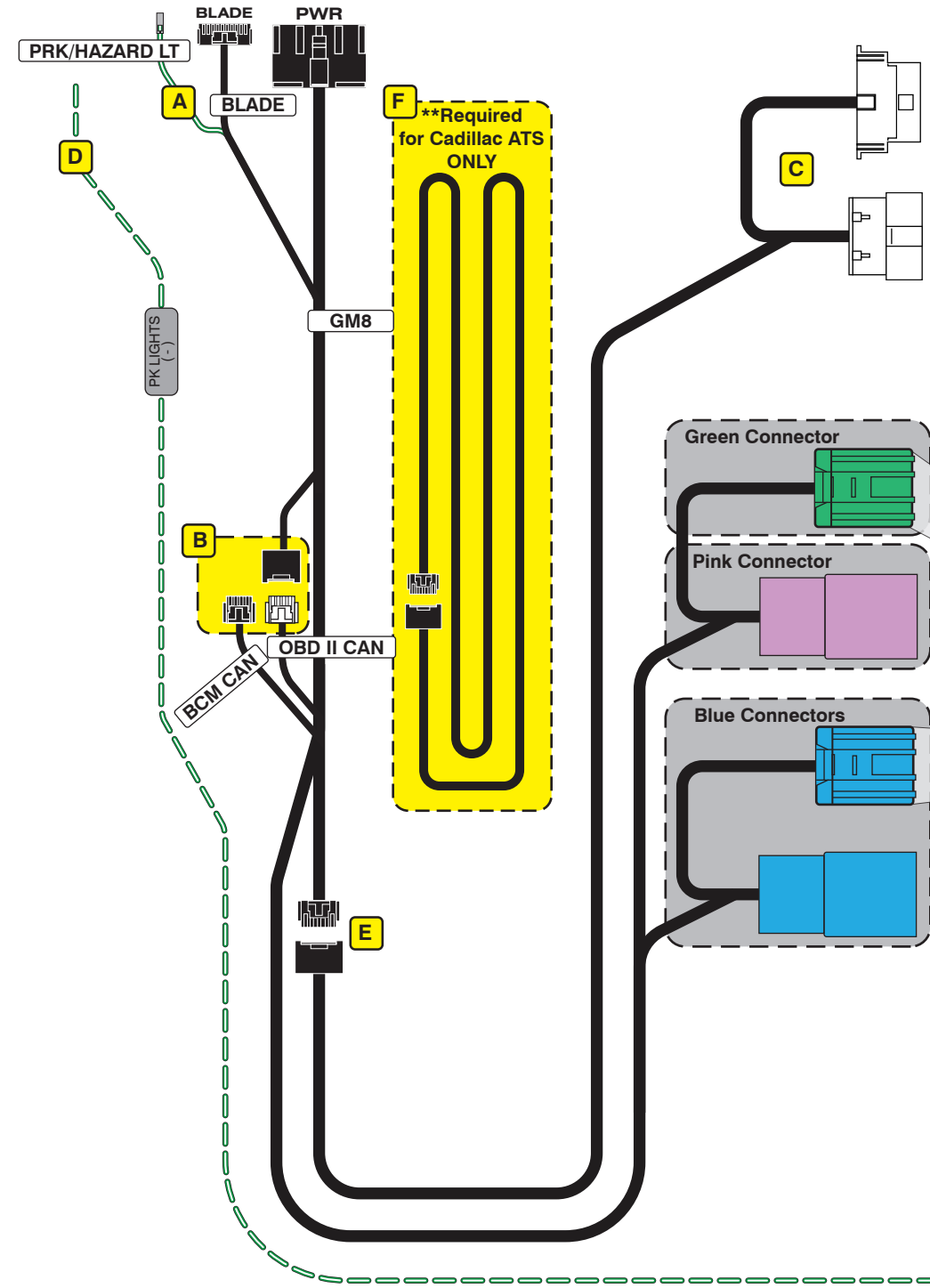
ACC

IGN1



FTI-GMP1 Type 2A - Installation Notes & Wiring Diagram

- 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 **D**
- B** CAN/SWC source selector, connect to **OBD-II** connector, do not use connector marked **BCM**. 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 supply for the controller.
- 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**



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 2A

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