

Make	Model	Year	Install	CAN	Lights	RAP	Trunk	I/O Changes
DL-MA3					Park / Auto			Green White/Blue
Mazda	3 PTS	2014-18	Type 1	SSU	Type 1			
Mazda	6 PTS	2014-18	Type 1	SSU	Type 1			
Mazda	CX-3 PTS	2013-18	Type 1	SSU	Type 2			
Mazda	CX-5 PTS	2013-18	Type 1	SSU	Type 1			
Mazda	CX-9 PTS	2016-18	Type 1	SSU	Type 2			
Mazda	MX-5 PTS	2016-18	Type 1	SSU	Type 2			

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

Firmware:

Covered vehicles use **BLADE-AL)DL-MA3**, flash module before installing



WARNING: Disconnect vehicle battery before disconnecting any of the connectors at the START/STOP Unit. Failure to do so may result in damage to the vehicle keyless receiver (PN: KD33 675D4, X1T65171), resulting in required replacement.

Headlight switch removal and parking light connections are detailed in a video published in the FirstTechFeed Group on Facebook, address as follows:

<https://www.facebook.com/nbfrazier/videos/10100532802746275/>

Optional Hazard light connection:

The MAP1 harness is provisioned to utilize the vehicle hazard lights for status and diagnostic display if desired. The pin terminated **green/white** wire needs to be inserted into any POC available in the controller's I/O connector, and the selected POC setting changed to either **Hazard1**, POC option #30 (momentary), or **Hazard2**, POC option #23 (latching), depending on how the factory switch engages.

Clutch: The FTI-MAP1 harness is pre-wired for clutch handling when using in M/T applications, connect harness **red/black** wire to any POC configured for 2nd START (CM900S/AS) or the corresponding **red/black** wire in the CM7x00 I/O harness.

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

CM-900S/900AS

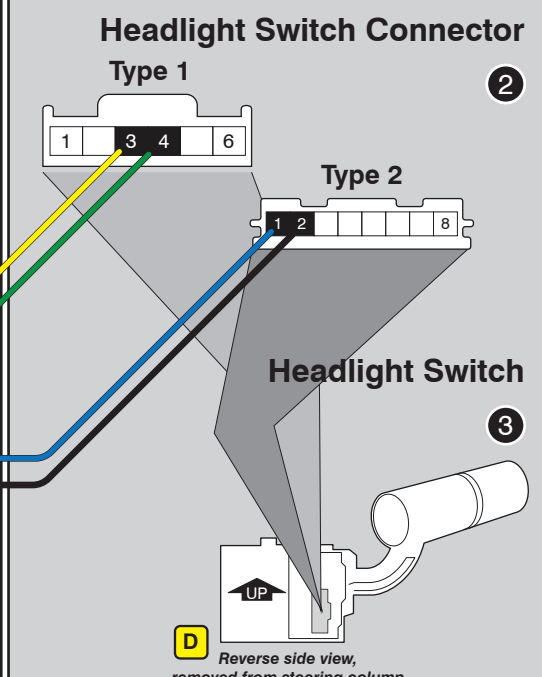
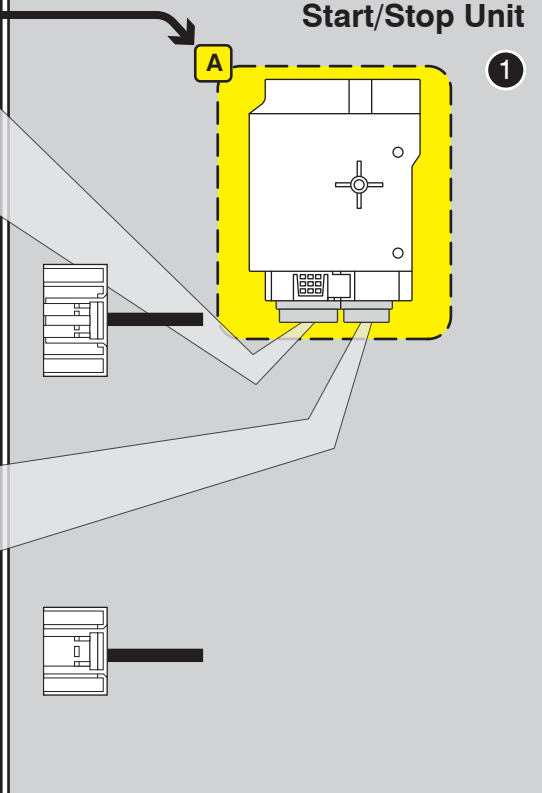
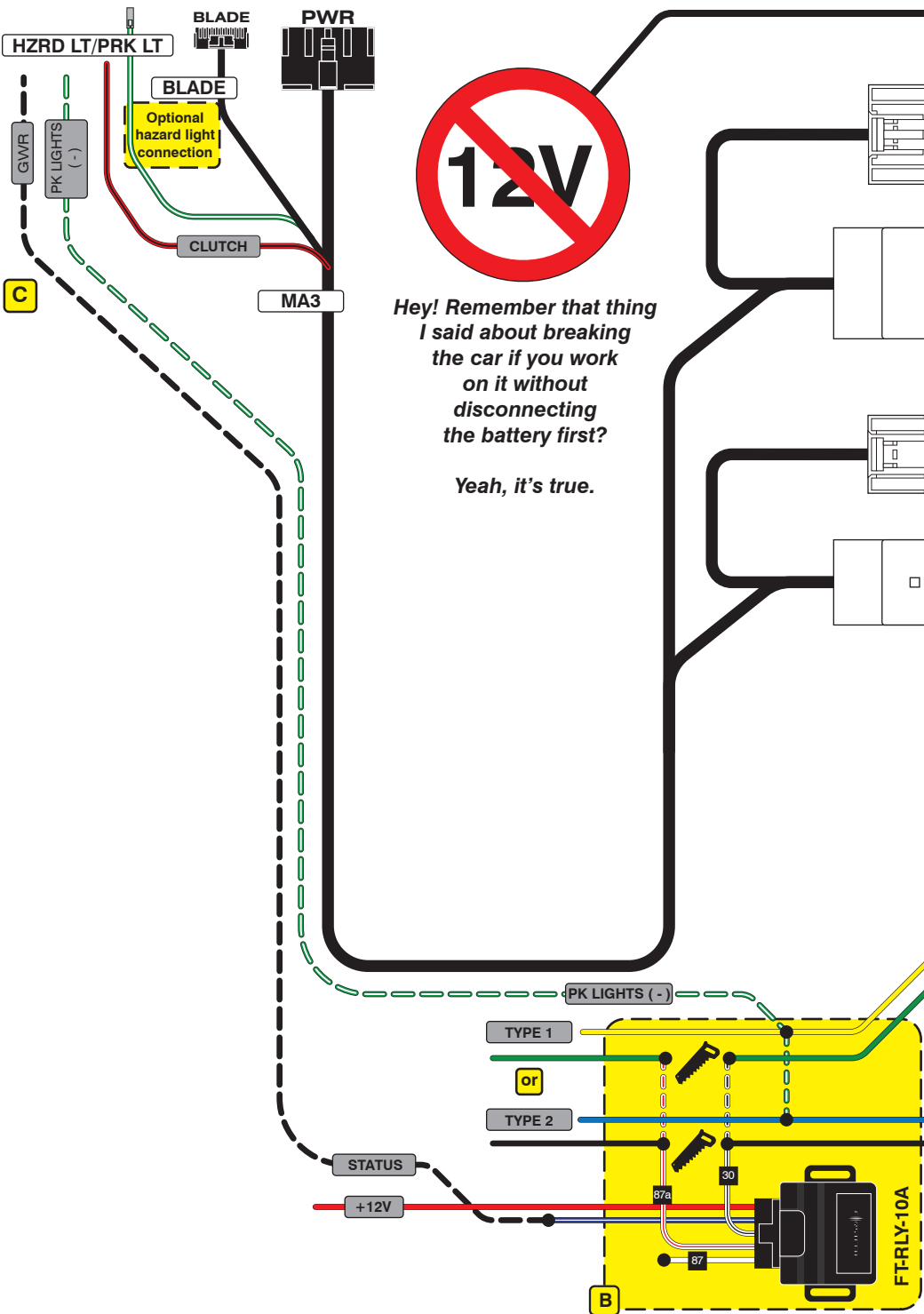
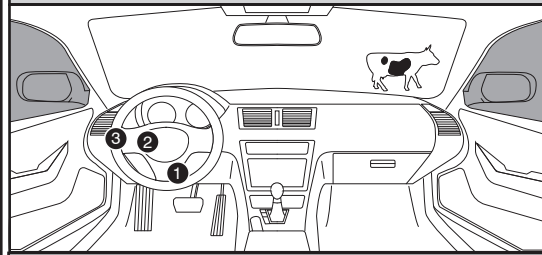
CM900AS/900S Jumper



FTI-MAP1 Type 1 - Installation Notes & Wiring Diagram

- A** **WARNING:** Vehicle battery must be disconnected while making connections at the START/STOP UNIT. Failure to disconnect power at the battery may result in vehicle module damage.
- B** **Type 1 Lights:** Parking light (-) **yellow** (pin #3), light 2 (open) **green** (pin #4) of 6-pin connector at headlight switch stalk assembly
Type 2 Lights: Parking light (-) **blue** (pin #1), light 2 (open) **black** (pin #2) of 8-pin connector at headlight switch stalk assembly
- C** Parking lights (-) and GWR from the CM I/O connector are required, (-) **trigger** for parking lights, **OPEN** condition on parking light 2 circuit requires a relay, wire colors as noted above, diagram below
- D** A video detailing the headlight switch removal and parking light connections has been published in the FirsTechFeed Facebook group <https://www.facebook.com/nbfrazier/videos/10100532802746275/>

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Module Programming Procedure

- Step 1 - Activate IGN, LED should go red then flash rapid blue
- Step 2 - Deactivate IGN
- Step 3 - Disconnect, return to computer for extended programming
- Step 4 - Reconnect to vehicle, activate IGN, wait for solid blue LED
- Step 5 - Programming complete

LED Programming Error Codes MA3

Module LED flashing RED during programming

- 1x - CAN error, check connectors and CAN voltage
 - 2x - No IGN, check connectors and IGN voltage
 - 3x - Timeout, redo programming, confirm CAN voltage
 - 4x - BCM communication error, connections/CAN voltage
 - 5x - Firmware does not match wiring, confirm current version
 - 6x - VIN error, flash again and confirm vehicle entry
- Rapid RED - Cycle IGN and START, reset module and repeat entire programming sequence over.

FTI-MAP1 Type 1

SUPPORT - 1(888) 820-3690, EXT. 203