FTI-MAP1: Vehicle Coverage and Preparation Notes

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

Make	Model	Year	Install	CAN	Lights	Clutch 1	Clutch 2	I/O Changes
DL-MA3					**Park / Auto**			**Green White/Blue**
Mazda	CX-5 PTS SUV AT	2013-20	Type 1	SSU	Type 1	N/A	N/A	N/A

Firmware:
This installation requires **BLADE-AL(DL)-MA3** firmware, flash module and update controller before beginning the installation.

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.***

Optional hazard light connection for remote start status and diagnostics:
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.

Parking light connection: The vehicle headlight switch must be removed to access parking light connections which are detailed on the next page, and in a video published in the FirsTechFeed Group on Facebook. Scan the QR Code below to view the video.

FTI-MAP1 Clutch wiring: The FTI-MAP1 harness is pre-wired for clutch bypass handling. When used in M/T applications, with a compatible CM7/X series controller, the necessary wires for both clutch types have been provided, pre terminated, and ready to be installed in the gray CM I/O connector. This installation type does not require making these connections. Please insulate and secure the unused wires (***red/black, yellow, and purple/black)***.

FTI-MAP1: Installation and Configuration Notes

A DISCONNECT BATTERY BEFORE PROCEEDING

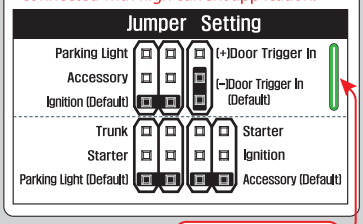
B OPTIONAL CONNECTION (IF NOT USING STANDARD PARKING LIGHT CONNECTION)

C NOT REQUIRED

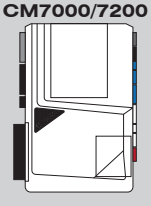
D REQUIRED CONNECTION (IF NOT USING PROVIDED HAZARD LIGHT CONNECTION)

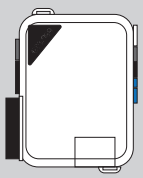
E SWITCH REMOVAL/DISASSEMBLY REQUIRED

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



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			DOOR STATUS	TRUNK STATUS	HOOD STATUS	BRAKE STATUS	E-BRAKE STATUS	TACH OUTPUT	A/M ALARM CTRL	A/M RS CTRL		PARKING LIGHTS	HAZARD LIGHTS	
○	○	○	○	○	○		○			○	○	○	○	○	○	○	○		○	●	

FTI-MAP1 - DL-MA3 - Type 1 2013-20 Mazda CX-5 PTS SUV AT

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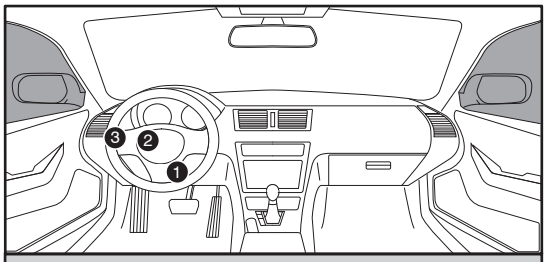


HAZARDS

BLADE

PWR

12V

GWR

PK LIGHTS (-)

B

C

NO CONNECTION

D

Hey! Remember that thing I said about breaking the car if you work on it without disconnecting the battery first?

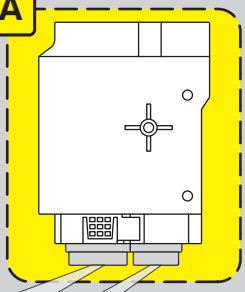
Yeah, it's true.

MAP 1

Start/Stop Unit

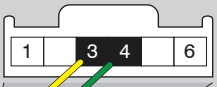
1

A



Headlight Switch Connector Type 1

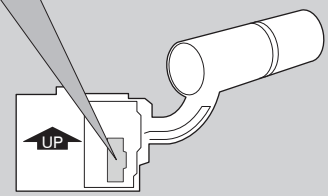
2



Headlight Switch

3

E

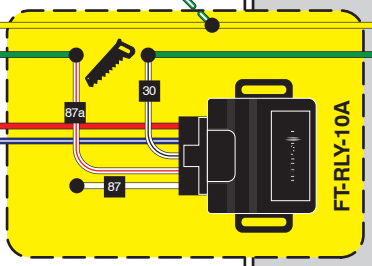


Reverse side view, removed from steering column

PK LIGHTS (-)

STATUS

+12V



LED Programming Error Codes

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.

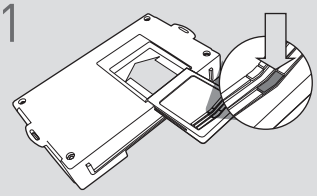
Patent No. US 8,856,780 CA 2759622

COM-BLADE-AL(DL)-MA3-EN

Doc. No.: ##74138## 20210223

CARTRIDGE INSTALLATION

1



Slide cartridge into unit. Notice button under LED.

2

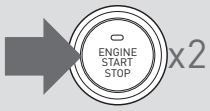
Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

NOTE

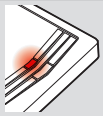
I WARNING: Hood, doors, trunk/hatch must be closed prior to remote start sequence.

1



Push start button twice [2x] to ON position.

2

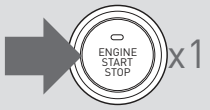


Wait, LED will turn solid RED to confirm that the ignition is ON.

3

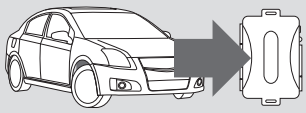
Wait 10 seconds, LED will flash BLUE rapidly.

4



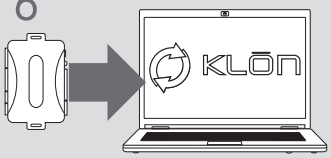
Push start button once [1x] to OFF position.

5



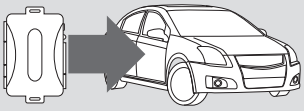
WARNING:
Disconnect power last.
Disconnect RS from vehicle.

6



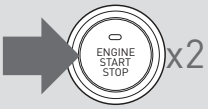
Connect RS to computer and proceed with extended programming.

7



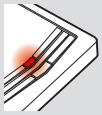
WARNING: Do not press RS programming button.
Connect power first.
Connect RS to vehicle.

8



Push start button twice [2x] to ON position.

9



Wait, LED will turn solid RED to confirm that the ignition is ON.

10

Wait, LED will turn solid BLUE for 2 seconds.

! If vehicle is equipped with power liftgate: open and close the power liftgate with OEM keyfob.

11

Module Programming Procedure completed.

Patent No. US 8,856,780 CA 2759622

COM-BLADE-AL(DL)-MA3-EN *Doc. No.:* *##74138##* 20210223

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 - PTS - TO THE VEHICLE OWNER

NOTE

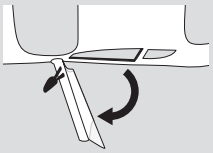
- All vehicle doors must be closed and locked prior to remote start sequence.

TIME RESTRICTION COMING UP !

1

Unlock vehicle door using OEM or after-market remote, or door request switch.

2



TIME RESTRICTION

Within 45 SECONDS from previous step:

Open vehicle door.
Enter vehicle.
Close vehicle door.

Press and release BRAKE pedal.

3

Take over procedure completed.

! Failure to follow procedure will result in vehicle engine shutdown.