Make	Model	Year	Install	CAN	Lights	Locks	Brake	I/O Changes
DL-HA2 Acura	MDX STD Key AT	2007-13	Type 5	N/A	**Park / Auto** brn/yel	DATA	lt.green	**Green White/Blue** N/A

This installation requires **BLADE-AL(DL)-HA2** firmware, flash module and update the controller firmware, before beginning the installation.

Lights: Parking light & Light off connections are located at the headlight switch connectors. Additional wiring from the CM I/O connector is required, providing a negative parking light wire, and a status wire to provide lighting and light off control. You are required to select the appropriate POCs and configuration accordingly.

> **Parking Light:** *Brown* (pin #3, green 10-pin connector) at headlight switch harness.
> **Light Off:** Yellow (pin #4, green 10-pin connector) at headlight switch harness.

Brake: Brake status is not provided over data, additional wiring is required to properly monitor brake status. The vehicle brake wire **(lt.green)** is at the 2-pin brake switch connector, located at the top of the brake pedal assembly.

Door Locks: Door locks are covered via data, no additional connections required.

Tachometer Signal:
> **Coil:** Use non-common wire in 3-wire connector at any ignition coil module, common colors are *black & black*/*white* (**do not use**).
> **Injector:** Use non-common wire in 2-wire connector at any fuel injector, common is *yellow*/*black* (**do not use**).

FTI-HDK1: Installation and Configuration Notes

A CUT REQUIRED

B NOT REQUIRED

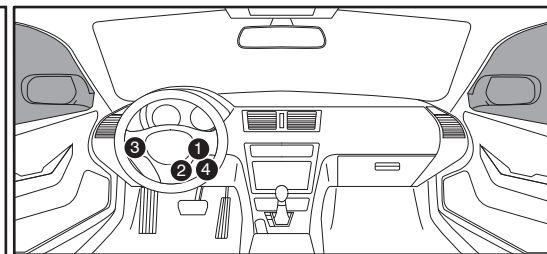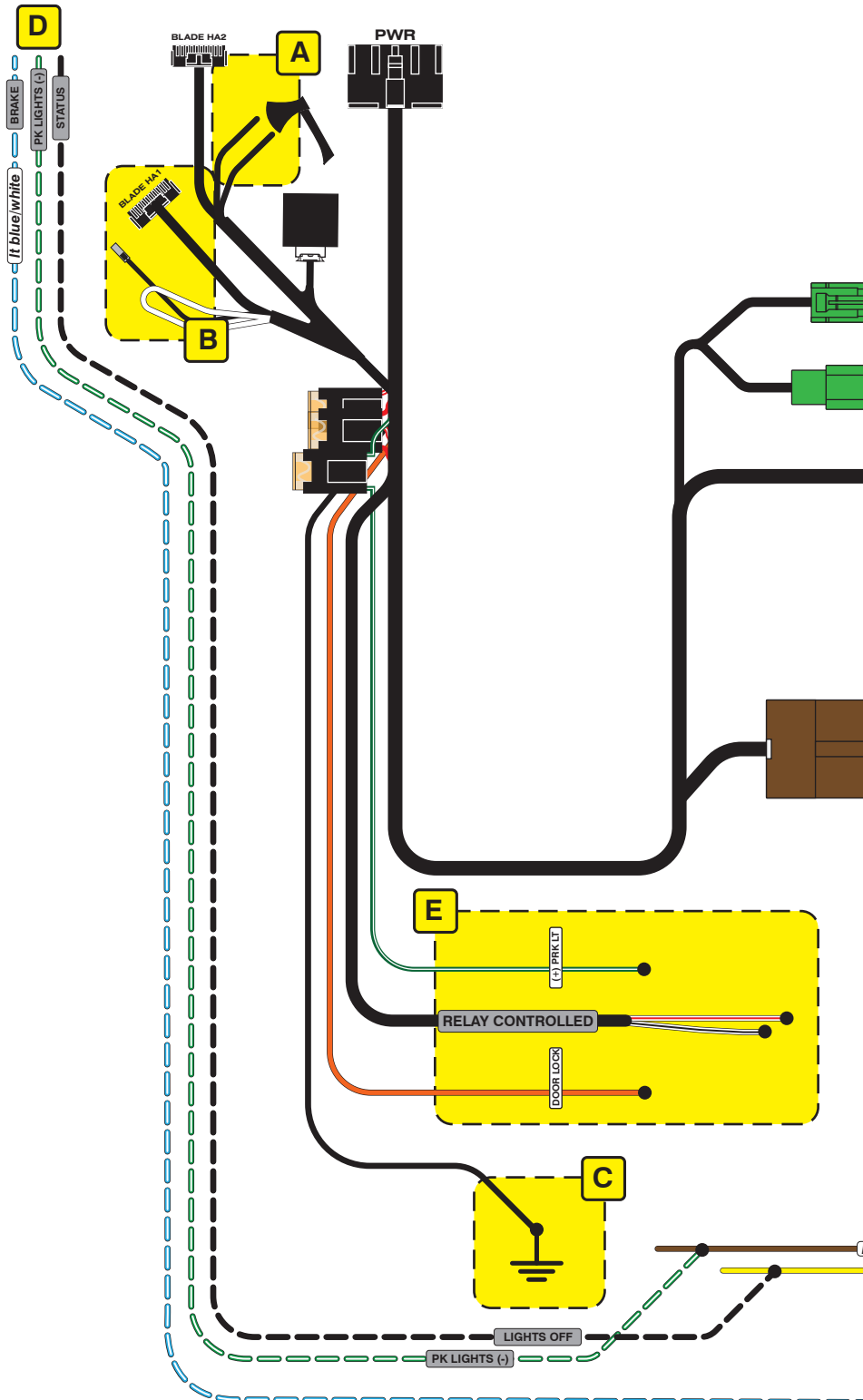**C** REQUIRED CONNECTION

D REQUIRED CONNECTIONS

E NOT REQUIRED

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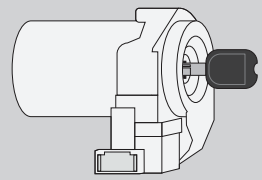• BOTH Red & Red/White MUST be connected with high current application.

Jumper Setting

Parking Light	(+)Door Trigger In
Accessory	(−)Door Trigger In (Default)
Ignition (Default)	
Trunk	Starter
Starter	Ignition
Parking Light (Default)	Accessory (Default)

CM7000/7200   (Cut loop for A/T)

CM-900S/900AS

CM900AS/900S Jumper

START / ACC / IGN1

FEATURE COVERAGE

IMMOBILIZER DATA · A/M CONTROL · DOOR LOCK · DOOR UNLOCK · ARM OEM ALARM · DISARM OEM ALARM · POWER LIFTGATE · DOOR STATUS · TRUNK STATUS · AUTOLIGHT CTRL · BRAKE STATUS · HOOD STATUS · PARKING LIGHTS

D

BLADE HA2

A

PWR

BLADE HA1

B

BRAKE
PK LIGHTS (-)
STATUS

lt blue/white

Immobilizer/Key Cylinder ①

Ignition Switch Harness ②

E

(+) PRK LT

RELAY CONTROLLED

DOOR LOCK

C

Headlight Switch Connector ③

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

brown
yellow

LIGHTS OFF

PK LIGHTS (-)

Brake Switch ④

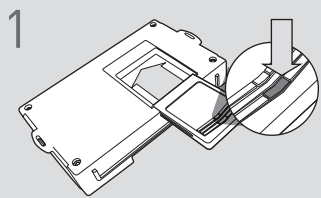*lt. green*

1 | 2
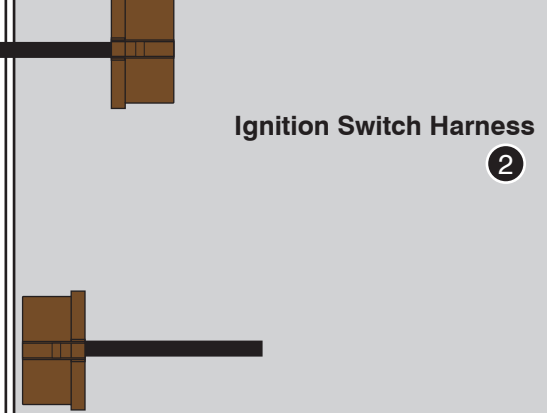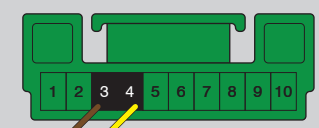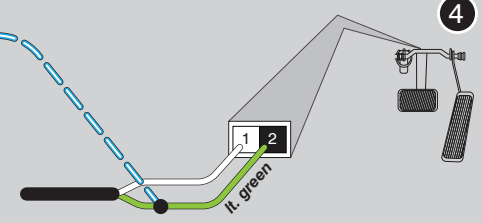
M/T Applications
Clutch Bypass Wiring

LED Programming Error Codes
Module LED flashing RED during programming

1x - No SWC (doorlock) activity, check orange wire connection
2x - IMMO error, check connection and harness configuration (jumpers)
3x - Generic error, come on... it's a T-harness :)

Patent No. US 8,856,780 CA 2759622

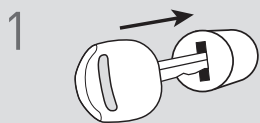## CARTRIDGE INSTALLATION

1 Slide cartridge into unit. Notice button under LED.

2 Ready for Module Programming Procedure.
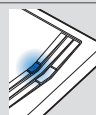
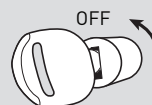## MODULE PROGRAMMING PROCEDURE

1 Insert key into ignition.

2 Turn key to ON position.

3 Wait, LED will turn solid BLUE for 2 seconds.

4 Turn key to OFF position.

5 Module Programming Procedure completed.