# FTI-STK1: Vehicle Coverage and Preparation Notes

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

| Make | Model | Year | Install | CAN | IMMO | BCM | Clutch | I/O Changes |
|------|-------|------|---------|-----|------|-----|--------|-------------|
| **DL-SUB9** **Subaru** | Outback STD KEY AT (USA) | 2020-23 | Type 3 | 20-Pin | **Type** **A** | DSD | N/A | **Green White/Blue** N/A |

*Covered vehicle* use **BLADE-AL-SUB9** firmware and the following required accessories, Weblink Hub & ACC RFID1.
Flash module, and update the controller firmware. *Please follow the directions for RFID programming before attempting to program the BLADE module to the vehicle.*

**CAN:** Type 3 CAN connections are made using the 20-Pin BCM adapter and require connecting the white 2-pin connectors at marker [D] of the illustration.

**Immobilizer:** Type A IMMO requires connecting the white male and female 2-pin connectors at marker [C] of the illustration.

**Lights:** Parking lights are pre-wired in the FTI-STK1 harness. Replace the green/white wire of the CM I/O connector with the pre-terminated green/white wire of the harness.

**ACC-RFID1 (REQUIRED):** SUB9 firmware does not provide immobilizer data, an ACC-RFID1 is therefore required for remote start

**2nd START:** The FTI-STK1 harness is pre-wired with a red/white 2nd START output (not required in TYPE 1), cut and insulate the provided wire to prevent short circuits when not used.

**I/O Changes: None required**

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**Advisory 1: Program ACC-RFID1 before attempting to program the BLADE module to the vehicle.**

**Advisory 2: Secure all 2-pin connections, both used and unused, to the main harness body.**

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# FTI-STK1: Installation and Configuration Notes

**A** REQUIRED ACCESSORY

**B** ADAPTER REQUIRED

**C** REQUIRED CONFIGURATION (TYPE A IMMO)

**D** NO CONNECTION

**E** NO CONNECTION



• 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**

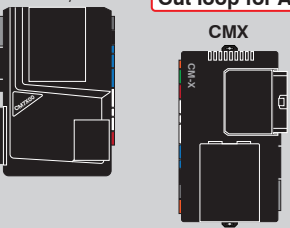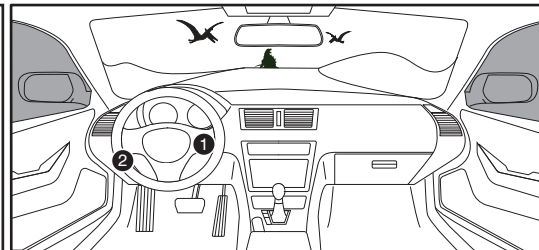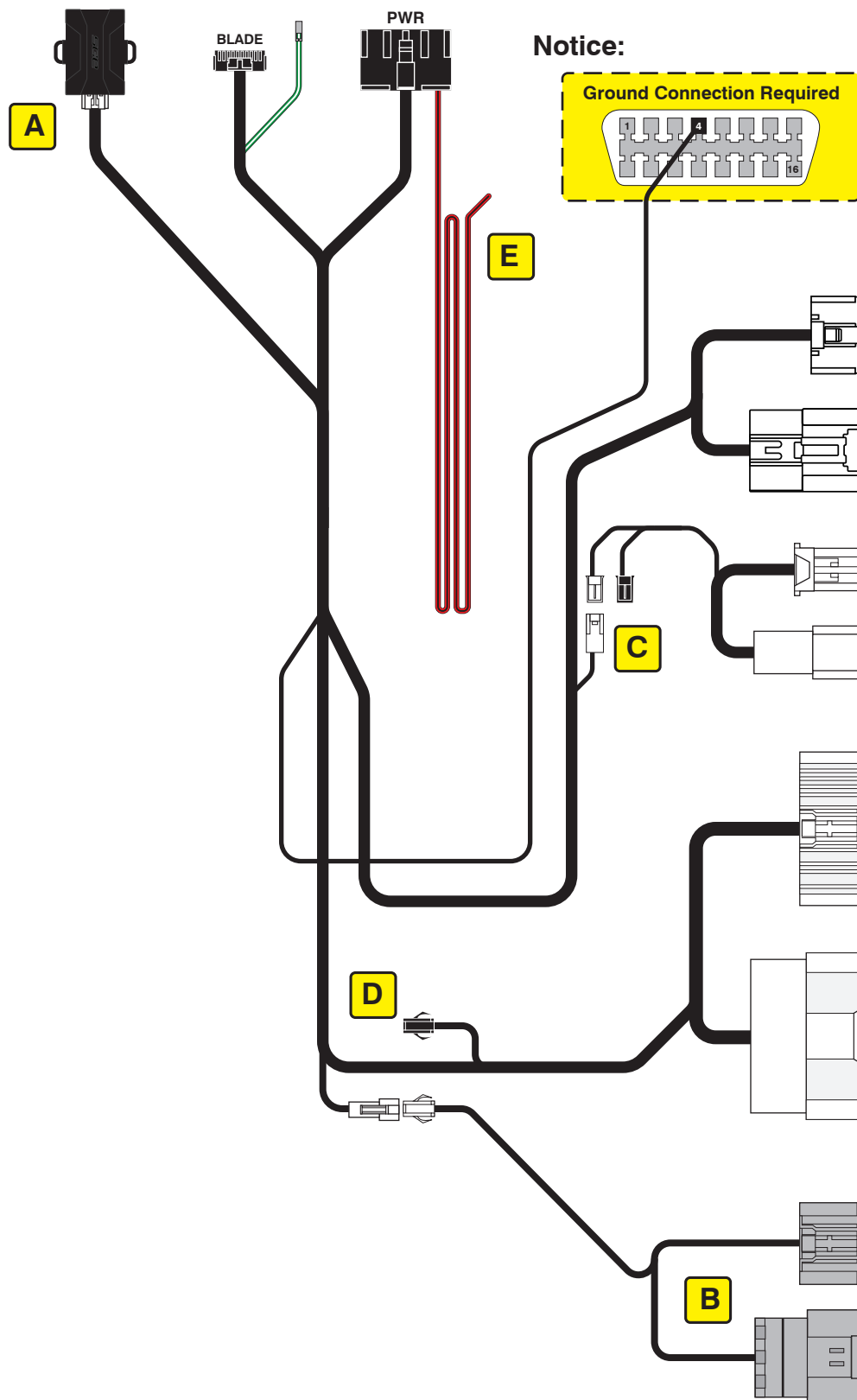CMX

**CM900AS/900S Jumper**

START
ACC
IGN1

## FEATURE COVERAGE

| IMMOBILIZER DATA | ARM OEM ALARM | DISARM OEM ALARM | DOOR LOCK | DOOR UNLOCK | PRIORITY UNLOCK | TRUNK/HATCH RELEASE | TACH OUTPUT | DOOR STATUS | TRUNK STATUS | BRAKE STATUS | E-BRAKE STATUS | A/M ALRM CONTROL FROM OEM REMOTE | A/M RS CONTROL FROM OEM REMOTE | AUTOLIGHT CTRL | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | |

**A**

BLADE

PWR

**Notice:**

**Ground Connection Required**

| 1 | | | 4 | | | | |
| | | | | | | | 16 |

**E**

**C**

**D**

**B**

## Ignition Switch Assembly ➊

## BCM/Fuse Box ➋

WHITE

| 20 | | | | | | | | | | | | | | | | | | | 1 |
| 40 | | | | | | | | | | | | | | | | | | | 21 |

**BCM/FUSEBOX
DRIVER SIDE DASH**

GRAY

| 10 | | | | | | | | | 1 |
| 20 | | | | | | | | | 11 |

**REAR VIEW**
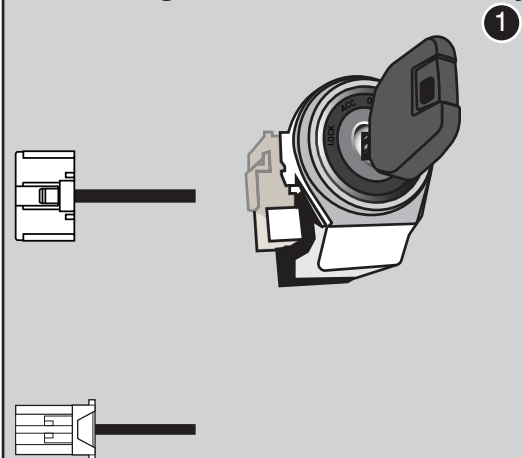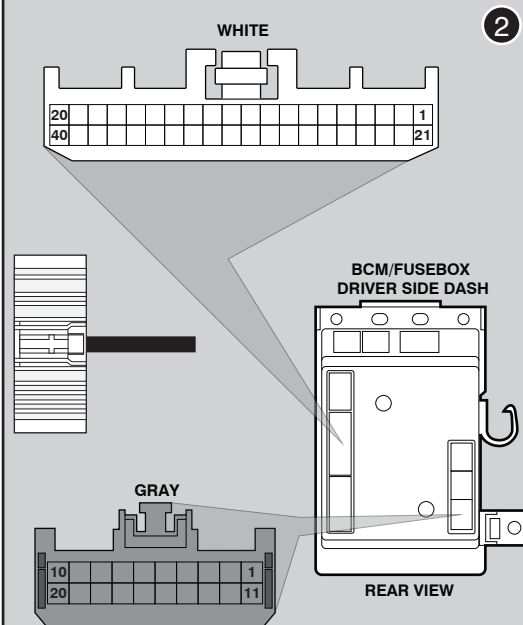
## LED Programming Error Codes

Module LED flashing RED during programming

1x RED = Unable to communicate with RFID or immobilizer data.
2x RED = No CAN activity. Check the CAN wire connections.
3x RED = No ignition detected. Check the ignition wire connection and CAN.
4x RED = Required ignition output diode not detected.

# INSTALL GUIDE

## BLADE SERIES

COM-BLADE-AL(AL)-SUB9-EN

## CARTRIDGE INSTALLATION
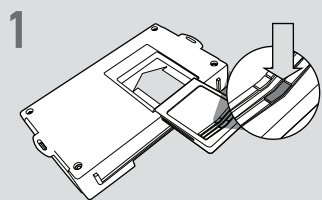
**1** Slide cartridge into unit. Notice button under LED.

**2** Ready for Module Programming Procedure.

## MODULE PROGRAMMING PROCEDURE

**1** For this installation, the Weblink HUB is required.
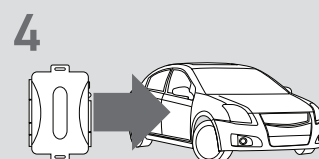
**2** Remove OEM key 1 from keychain.

**!** Place all other keyfobs at least 1 foot away from the Weblink HUB. Failure to comply may result in damage to other keyfobs or interfere with the keyfob reading process.
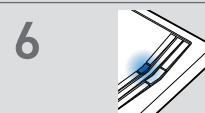
**3** Flash the module using the Weblink HUB. Follow the on screen instructions to complete the keyfob reading process.

**4** WARNING:
Do not press the module programming button.
Connect power first.
Connect module to vehicle.

**5** Using OEM key 1, turn key to ON position.

ON

**6** Wait, LED will turn solid BLUE for 2 seconds .

**7** Turn key to OFF position.

OFF

**8** Module Programming Procedure completed.