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myFirstech FTI-STK1 Vehicle Coverage and Preparation Notes Instruction Manual

Contents

myFirstech FTI-STK1 Vehicle Coverage and Preparation Notes

Specifications

- **Product Name:** FTI-STK1
- **Vehicle Coverage:** Subaru Forester STD KEY AT (Canada) 2019-2024
- **Required Accessories:** BLADE-AL-SUB9 firmware, Weblink Hub, ACC RFID1
- **Connector Type:** 40-Pin BCM

Make	Model	Year	Install	CAN	IMMO	BCM	Clutch	I/O Changes
DL-SUB9 Subaru	Forester STD KEY AT (Canada)	2019-24	Type 2	40-Pin	Type B	DSD	N/A	Green White/Blue N/A

Product Usage Instructions

- **CAN Connection:**
    - Type 2 CAN connections are made using the 40-pin BCM connector. Connect the white 2-pin female connector to the black male 2-pin connector at marker [D] of the illustration.
- **Immobilizer Connection:**

- Type B IMMO requires connecting the black and white 2-pin connectors at marker [C] of the illustration.
- **Lights Wiring:**
  - The FTI-STK1 harness pre-wires parking lights. Replace the green/white wire of the CM I/O connector with the harness's pre-terminated green/white wire.
- **ACC-RFID1 Installation:**
  - For SUB9 firmware, an ACC-RFID1 is required for remote start as it does not provide immobilizer data. Install ACC-RFID1 before programming the BLADE module to the vehicle.
- **2nd START Output:**
  - The FTI-STK1 harness includes a pre-wired red/black 2nd START output. If not required in TYPE 2, cut and insulate the provided wire to prevent short circuits when not used.
- **I/O Changes:**
  - No changes are required for I/O connections.
- **Additional Advisories:**
  - Program ACC-RFID1 before programming the BLADE module.
  - Secure all 2-pin connections to the main harness body, whether used or unused.

FAQs

- **Q: What do the Module LED flashing RED codes indicate during programming?**
  - **A:**
    - **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.

PRODUCT INFORMATION

- The covered vehicle uses BLADE-AL-SUB9 firmware and the following required accessories, Weblink Hub & ACC RFID1. Flash the 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 2 CAN connections are made using the 40-Pin BCM connector and require connecting the white 2-pin female connector to the black male 2-pin connector at marker [D] of the illustration.
- **Immobilizer:** Type B IMMO requires connecting the black and white 2-pin connectors at marker [C] of the illustration.
- **Lights:** The FTI-STK1 harness pre-wires parking lights. Replace the green/white wire of the CM I/O connector with the harness's pre-terminated green/white wire.
- **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/black 2nd START output (not required in TYPE 2), cut and insulate the provided wire to prevent short circuits when not used.
- **I/O Changes:** None required
- **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.
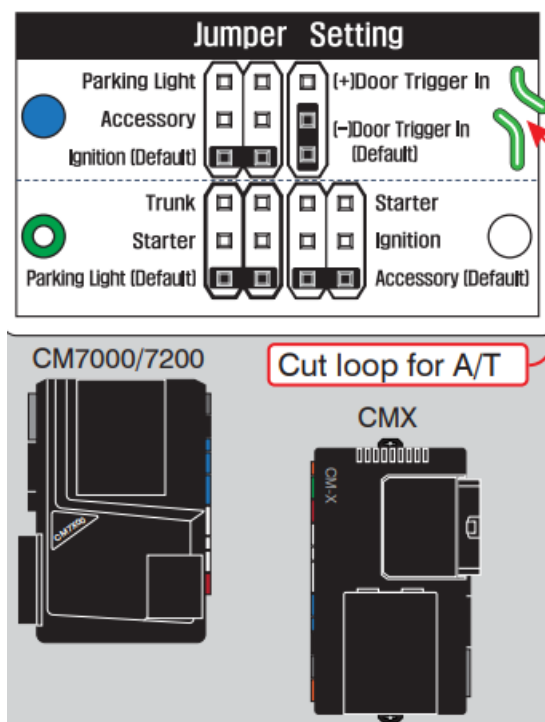- **FTI-STK1:** Installation and Configuration Notes

- **A.** REQUIRED ACCESSORY
- **B.** ADAPTER NOT REQUIRED
- **C.** REQUIRED CONFIGURATION (TYPE B IMMO)
- **D.** REQUIRED CONNECTION
- **E.** NO CONNECTION

FEATURE COVERAGE

●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
IMMOBILIZER DATA	ARM OEM ALARM	DISARM OEM ALARM	DOOR LOCK	DOOR UNLOCK	PRIORITY UNLOCK	TRUNK/HATCH	TACH OUTPUT	DOOR STATUS	TRUNK STATUS	BRAKE STATUS	E-BRAKE STATUS	A/M ALARM CONTROL	A/M RS CONTROL	AUTO LIGHT CTRL							

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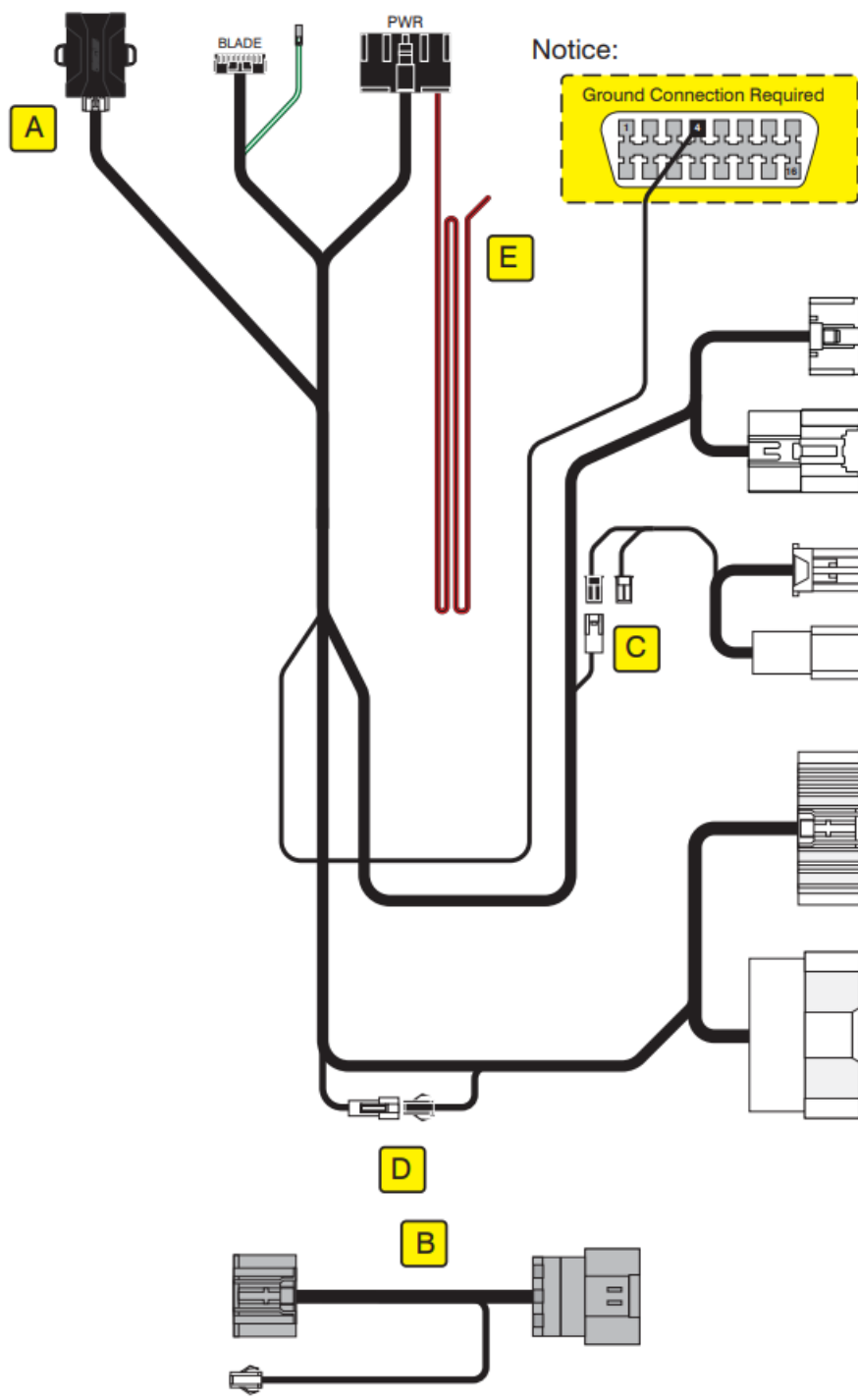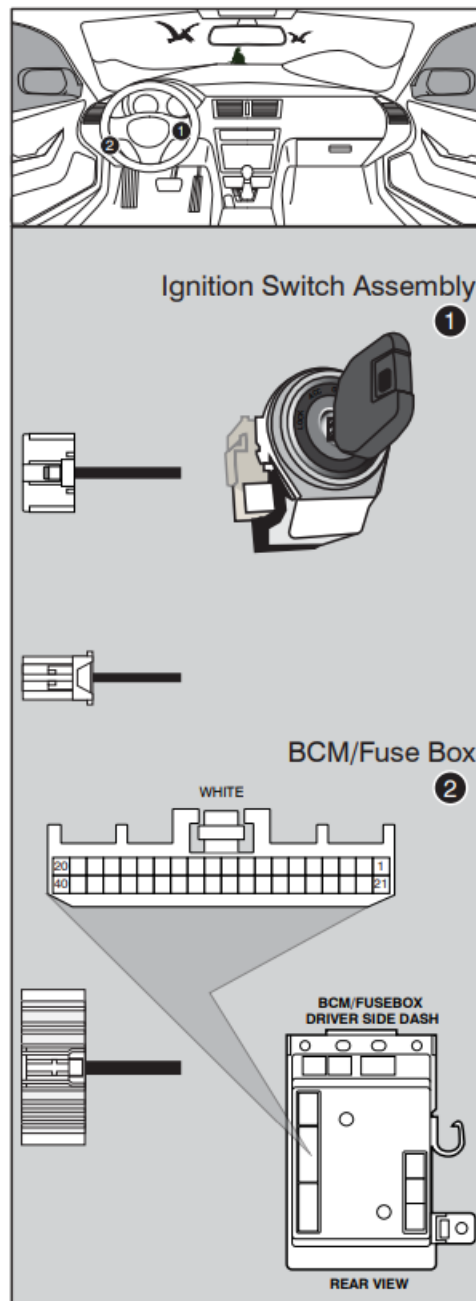- BOTH Red & Red/White MUST be connected with the high current application.

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**

Assembly Instruction

BLADE   PWR

Notice:

Ground Connection Required

A

E

C

D

B

Ignition Switch Assembly ①

BCM/Fuse Box ②

WHITE

20
40

1
21

BCM/FUSEBOX
DRIVER SIDE DASH

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.

CARTRIDGE INSTALATION

1. Slide cartridge into the unit. Notice the button under LED.
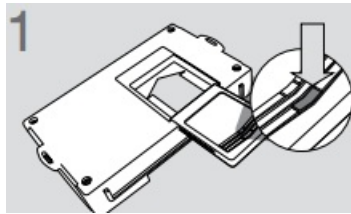
2. Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

1. For this installation, the Weblink HUB is required.


2. Remove OEM key 1 from the 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.
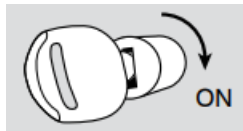
3. Flash the module using the Weblink HUB. Follow the on-screen instructions to complete the keyfob reading process.

4. **WARNING:** Do not press the module programming button. Connect power first. Connect module to vehicle.
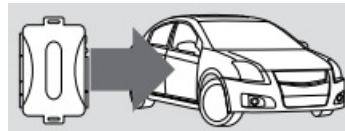
5. Using OEM key 1, turn the key to the ON position.

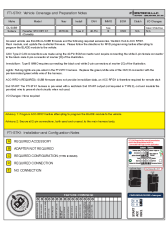6. Wait, the LED will turn solid BLUE for 2 seconds.

7. Turn the key to the OFF position.

8. Module Programming Procedure completed.

Documents / Resources

myFirstech FTI-STK1 Vehicle Coverage and Preparation Notes [pdf] Instruction Manual
FTI-STK1-Subaru Forester STD KEY AT-Canada_19-24_ENX, FTI-STK1 Vehicle Coverage and
Preparation Notes, FTI-STK1, Vehicle Coverage and Preparation Notes, Coverage and Preparation Notes, Preparation Notes, Notes

myFirstech FTI-STK1 Vehicle Coverage and Preparation Notes [pdf] Instruction Manual
DL-SUB9, CM7000-7200, CM-X, FTI-STK1 Vehicle Coverage and Preparation Notes, FTI-STK1
, Vehicle Coverage and Preparation Notes, Coverage and Preparation Notes, Preparation
Notes, Notes

References

- ⓘ **iDatalink - Home**
- **User Manual**