



FIRSTECH FTI-STK1 Ascent STD KEY AT Installation Guide

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FTI-STK1 Ascent STD KEY AT

FTI-STK1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	IMMO	BCM	Clutch	I/O Changes
DL-SUB9					Type			Green White /Blue
Subaru	Ascent STD KEY AT (USA)	2019-22	Type 4	40-Pin	A	DSD	N/A	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 4 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 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 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 A IMMO)

D..... REQUIRED CONNECTION

E..... NO CONNECTION

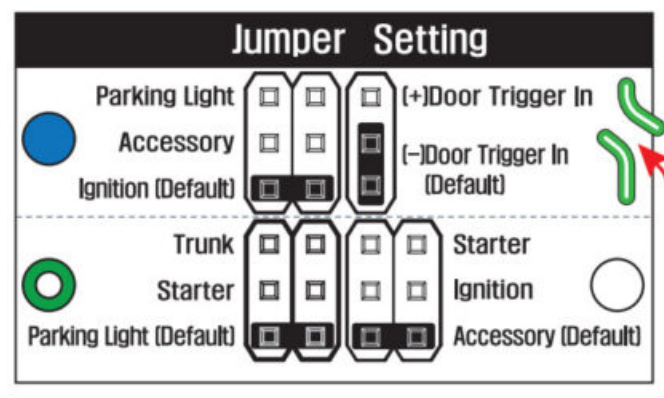


FEATURE COVERAGE

IMMOBILIZER DATA	<input type="radio"/>
ARM OEM ALARM	<input type="radio"/>
DISARM OEM ALARM	<input type="radio"/>
DOOR LOCK	<input type="radio"/>
DOOR UNLOCK	<input type="radio"/>
PRIORITY UNLOCK	<input type="radio"/>
TRUNK/HATCH RELEASE	<input type="radio"/>
TACH OUTPUT	<input type="radio"/>
DOOR STATUS	<input type="radio"/>
TRUNK STATUS	<input type="radio"/>
BRAKE STATUS	<input type="radio"/>
E-BRAKE STATUS	<input type="radio"/>
A/M ALRM CONTROL FROM OEM REMOTE	<input type="radio"/>
A/M RS CONTROL FROM OEM REMOTE	<input type="radio"/>
AUTOLIGHT CTRL	<input type="radio"/>

FT-DAS Required for manual transmission.

BOTH Red & Red/White MUST be connected with high current application.



CM7000/7200



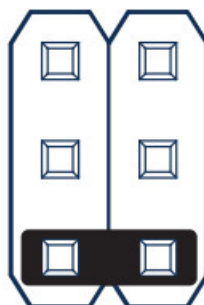
Cut loop for A/T

CMX

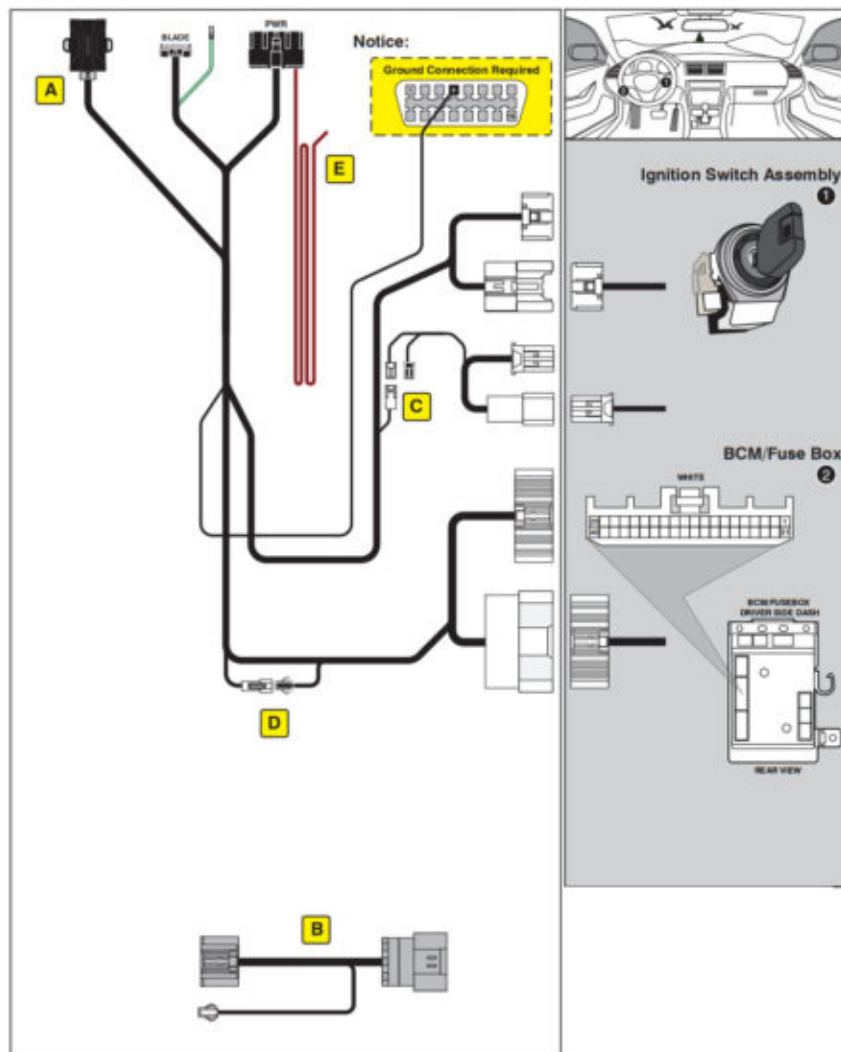


CM900AS/900S Jumper

START
ACC
IGN1



FTI-STK1 – AL-SUB9 – Type 4
2019-22 Subaru Ascent STD KEY AT (USA)



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

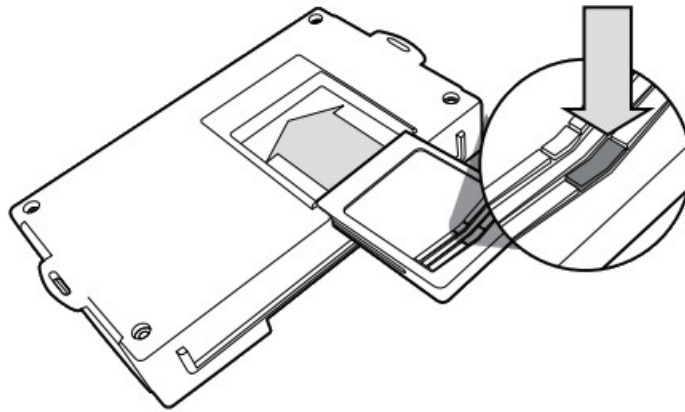
SUBARU ALL IN ONE

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

Doc. No.: ##82344##

CARTRIDGE INSTALLATION

1. Slide cartridge into unit. Notice button under LED.
- 2.



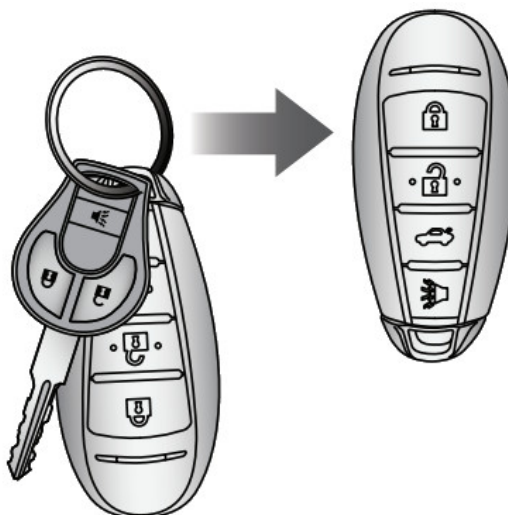
Ready for Module Programming Procedure.

MODULE PROGRAMMING PROCEDURE

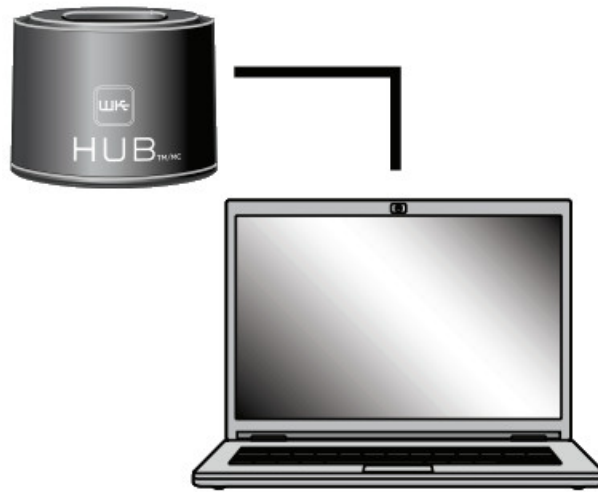
1. For this installation, the Weblink HUB is required.



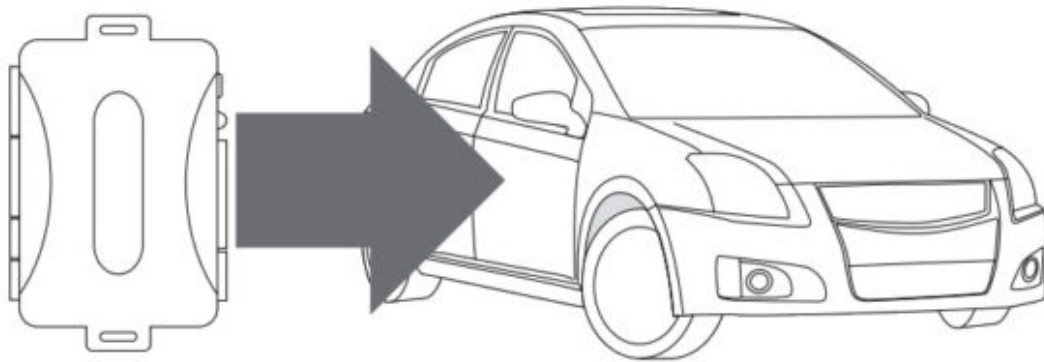
2. Remove OEM key 1 from keychain.



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.

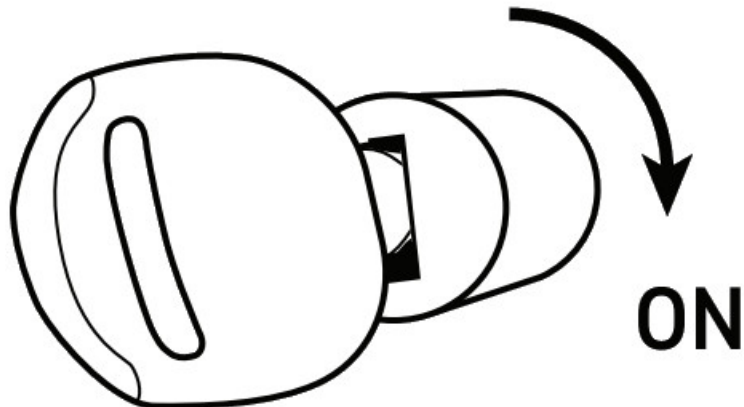


3. Flash the module using the Weblink HUB. Follow the on screen instructions to complete the keyfob reading process.

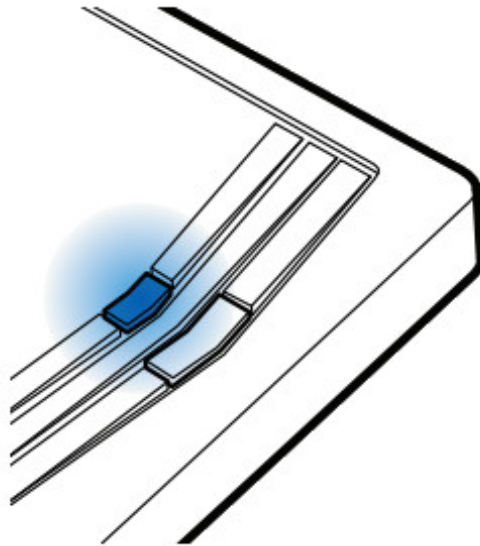


4. **WARNING:**

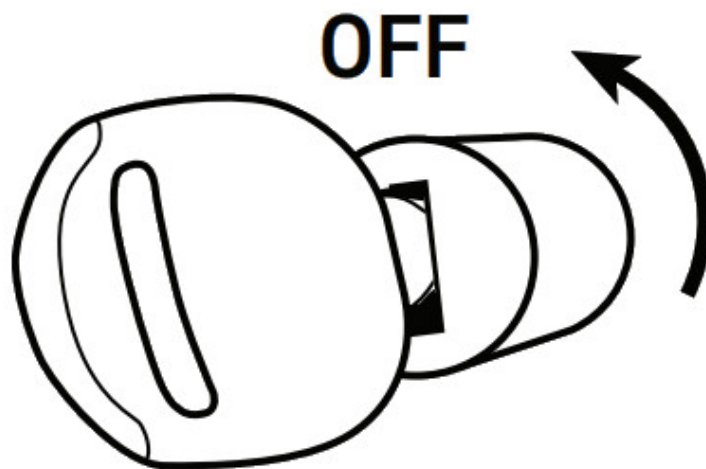
Do not press the module programming button.
Connect power first. Connect module to vehicle.



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



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



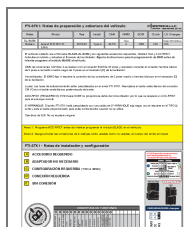
7. Turn key to OFF position. Module Programming Procedure completed.



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Documents / Resources



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References

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- [User Manual](#)

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