

FTI-STK1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CAN	IMMO	BCM	Clutch	I/O Changes
DL-SUB9 Subaru	WRX STD KEY MT (USA)	2022-23	Type 6	40-Pin	Type A	DSD	Lt.Green	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 6 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

Clutch (2nd START): The FTI-STK1 harness is pre-wired with a red/white 2nd START output (required in TYPE 6), extend the provided wire to the Lt. green wire in position 7 of the white 10-pin connector of the clutch position switch, located on the clutch pedal. Make the configuration changes listed below to provide the appropriate output. Secure as needed to prevent short circuits.

I/O Changes:

- CM7: Jumper 3 moved to STARTER position
- CMX: HCP #1, setting [2] (2nd START)

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 NOT REQUIRED**
- C REQUIRED CONFIGURATION (TYPE A IMMO)**
- D REQUIRED CONNECTION**
- E REQUIRED CONNECTION**



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	

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

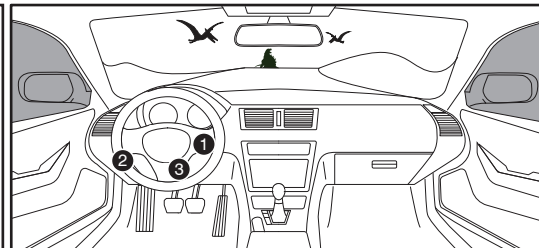
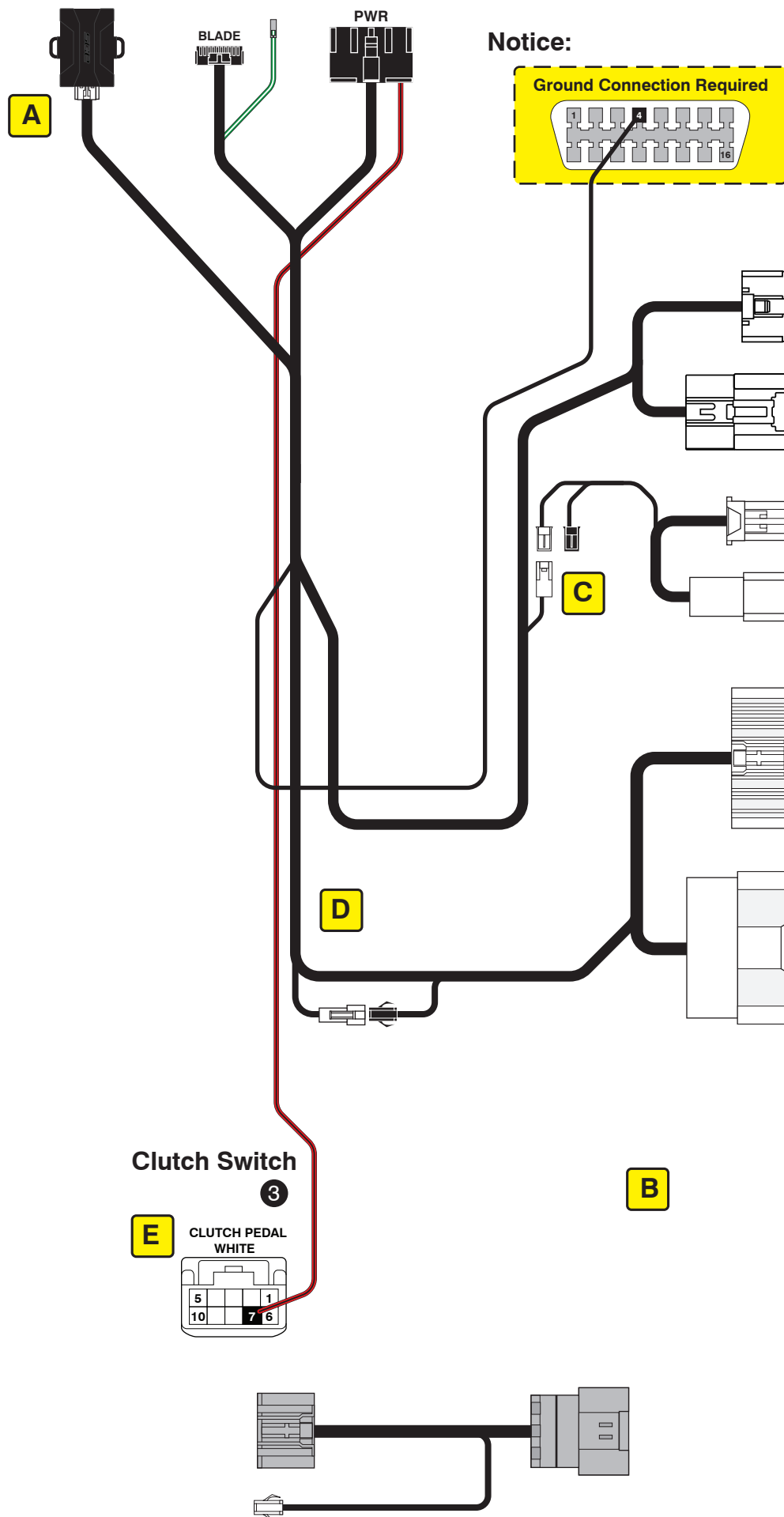
Jumper Setting			
Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In
Ignition (Default)	<input type="checkbox"/>	<input type="checkbox"/>	(Default)
Trunk	<input type="checkbox"/>	<input type="checkbox"/>	Starter
Starter	<input type="checkbox"/>	<input type="checkbox"/>	Ignition
Parking Light (Default)	<input type="checkbox"/>	<input type="checkbox"/>	Accessory (Default)

CM7000/7200 **Do not cut for M/T**

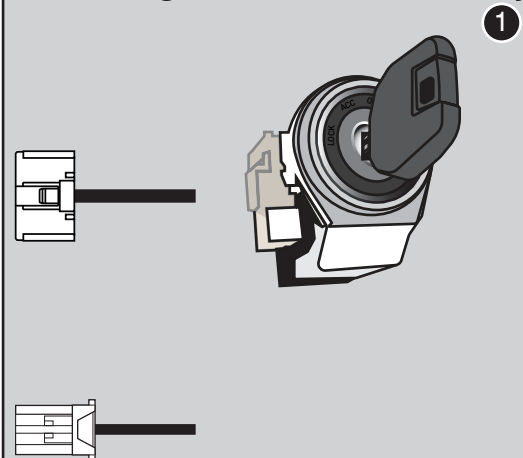
CMX High Current Programmable (+) Output Channels

- HCP #1 - Parking Light
- HCP #2 - Accessory
- HCP #3 - Ignition

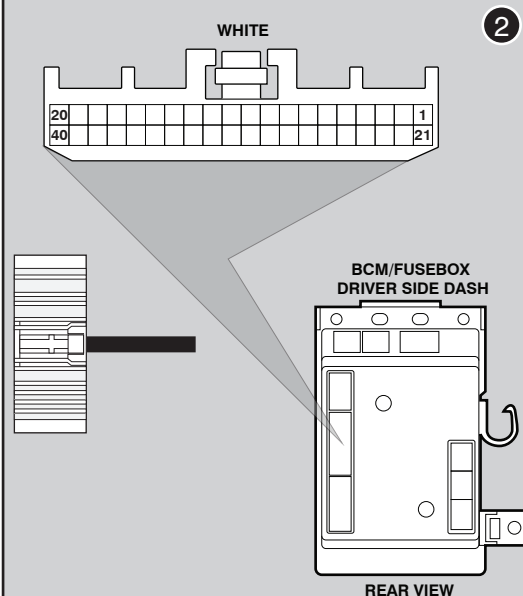
[2] 2ND START
[3] 2ND IGNITION
[4] 2ND ACCESSORY



Ignition Switch Assembly



BCM/Fuse Box

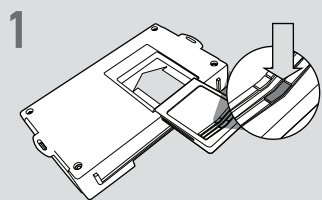


LED Programming Error Codes

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 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.



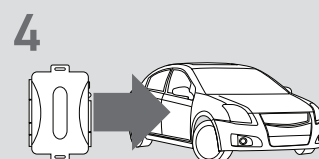
2 Remove OEM key 1 from keychain.



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.



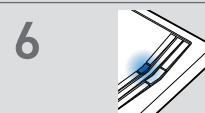
3 Flash the module using the Weblink HUB. Follow the on screen instructions to complete the keyfob reading process.



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.

8

Module Programming Procedure completed.