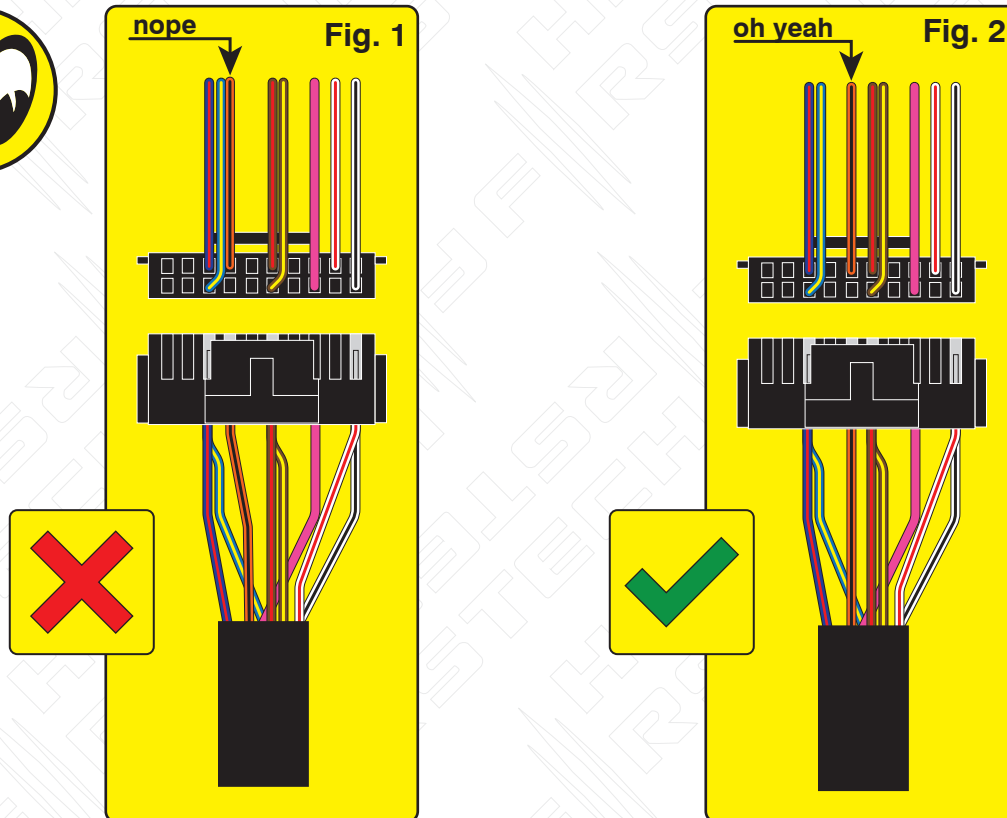


**Overview:** Production error in version 1.0 harnesses; The immobilizer wire (orange/black) is in pin position #4 instead of pin position #5. Although an effort to correct the issue was made, some quantity of harnesses did get shipped before the issue was spotted. We are advising to inspect the harness BLADE connector before attempting to install harness or program the module. This issue is not known to affect the version 2 harnesses, which require no modification.

**Issue:** Module fails to program correctly to vehicle, does not allow the vehicle to be remote started.

**Correction:** Step 1.) Locate the orange/black wire and confirm whether it is positioned as illustrated in Fig. 1 or Fig. 2. If the wire is as illustrated in Fig.1, proceed with Step 2 through 5 and complete the repair procedure outlined, if the wire is as illustrated in Fig. 2, correction is not necessary, proceed with harness installation and module programming.



**Step 2.)** Using a pick, lightly depress the catch that secures the terminal in the housing then remove the wire and terminal from the housing.

**Step 3.)** Using a fine tip razor or utility knife, insert the blade beneath the terminal catch and raise it slightly, so that it can be reused to secure the terminal when reinserted into the BLADE connector housing.

**Step 4.)** Refer to Fig. 2 for correct position of the orange/black wire (next to brown/red) then reinsert the terminal, pressing lightly until the catch 'snaps' into place, securing the terminal in the connector housing.

**Step 5.)** The repair is complete, proceed with installation and programming.



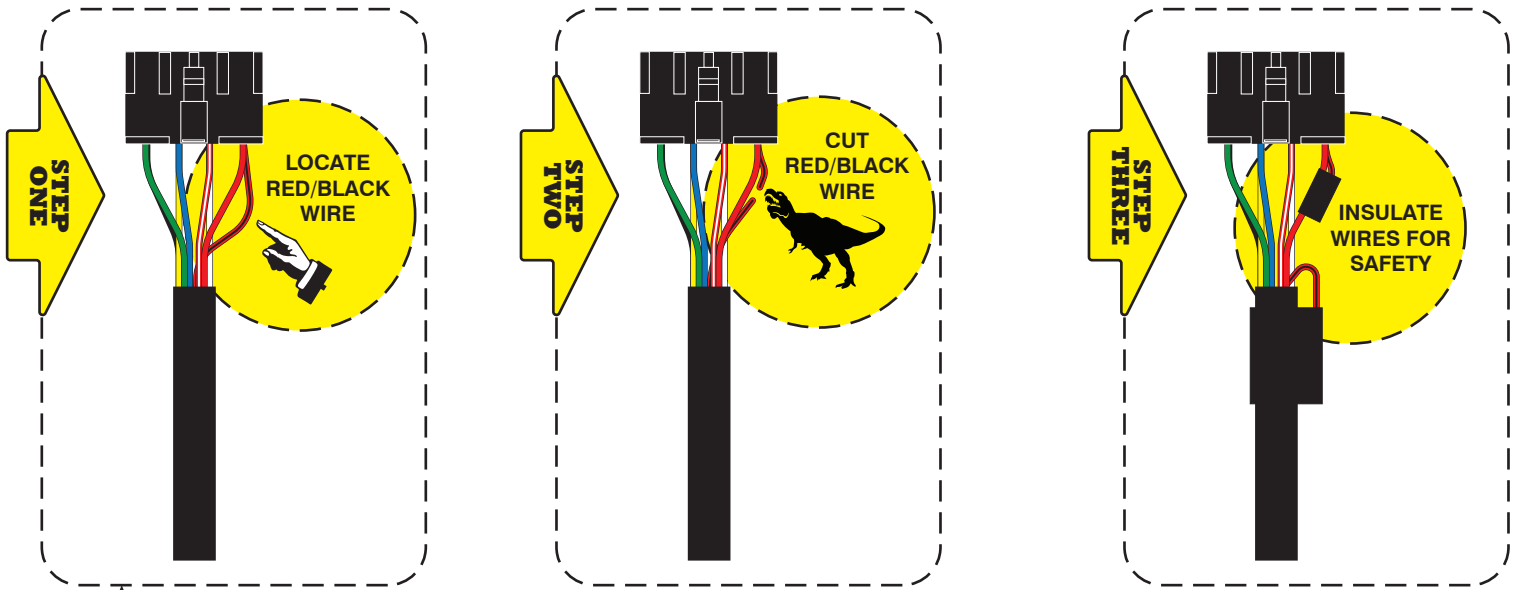
**Overview:** Early versions of the FTI-STP1 harness require modification for **automatic transmission (AT)** applications, some of the product was able to be modified before release, but a small quantity was released without modification.

**Issue:** The FTI-STP1 T-harness has been designed to be compatible with A/T (automatic transmission) & M/T (manual transmission) applications, but due to an oversight in early production runs, the selection was defaulted to M/T mode.

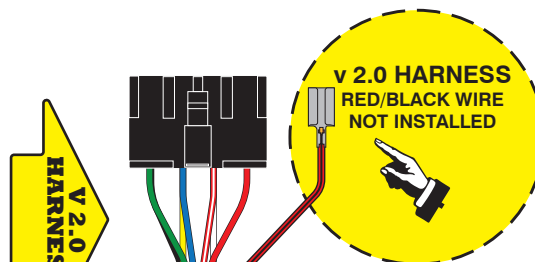
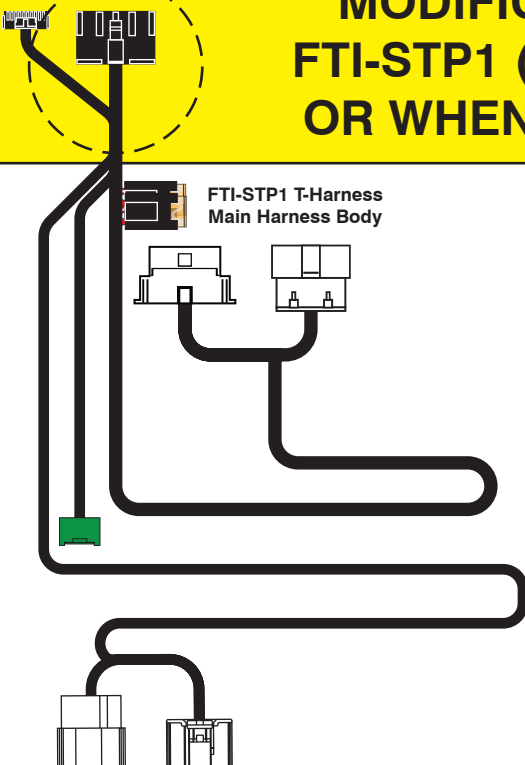
Using a harness configured for an M/T application, in an A/T equipped vehicle, could result in vehicle module damage, it is advised that the harness be returned to A/T mode before installation in vehicles equipped with an automatic transmission.

**Correction:** Locate the **red/black (+ Clutch)** wire provided in the CN1 connector of the main harness assembly. Cut the **red/black** wire, either flush to the CN1 connector, or leaving enough wire exposed so that you can insulate and secure the ends of the wire that remain after cutting. Insulate each of the remaining ends of the **red/black** wire and secure to prevent any possibility of a short circuit. **If the red/black wire has already been disconnected, no further modification is required for A/T applications**

**MODIFICATION REQUIRED FOR A/T APPLICATIONS, ONLY WITH v 1.0 HARNESS**



**MODIFICATION NOT REQUIRED WHEN USING FTI-STP1 (v 1.0) HARNESS IN M/T APPLICATIONS, OR WHEN USING THE FTI-STP1 (v 2.0) HARNESS**



**M/T applications:** Version 2.0 harness, the red/black wire is taped to the main harness when shipped, and must be installed in the CN1 connector when installed.

**A/T applications:** Leave the red/black wire taped to the harness, it is not required for A/T applications



# FTI-STP1: Vehicle Coverage and Preparation Notes

Make	Model	Year	Install	CECU/KAECU	Lights	ECU	POC	I/O Changes
<b>DL-SUB2</b> Subaru	WRX PTS MT	2015-18	Type 3A	BFB	Park / Auto DATA	PSUH	N/A	Green White/Blue START2/NONE

This installation requires **BLADE-AL(DL)-SUB2** firmware, flash module and update the controller firmware before installation.

**Parking/Diagnostic Lights:** Status and diagnostic light control is provided via data, no additional connections required.

**Type 3 Install: Adapter A** (30-pin & 18-pin connectors) is required for this install type. *Adapter B (30-pin & 28-pin) is not required.*

**ECU/Junction Connector Locations:**

- BFB:** Behind Fuse Box
- BGB:** Behind Glove Box
- BIC:** Behind Instrument Cluster
- PSUH:** Passenger Side Under Hood

**Manual Transmission Application I/O Changes:**

- CMX and CM7 Series controllers:** Configure CN1 parking light output for START2 output.
- CM7:** Move Jumper 3 to START position.
- CMX:** Configure HCP 1 output for 2nd START (S-#4-1-2)
- CM9 Series controllers are not compatible with manual transmission applications. DO NOT ATTEMPT THIS COMBINATION.**

**Type 3 Immobilizer:** Immobilizer connection is located at the ECU, located on the passenger side of the engine compartment, and requires modification of the STP1 harness by removing the 35-pin T-section, as illustrated. The **white/red & white/black** wires can be extended to the ECU location, the **white/black** wire connecting to the connector side of the wire illustrated.

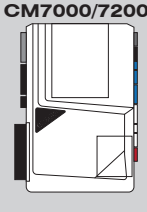
## FTI-STP1: Installation and Configuration Notes

- A ADAPTER A - REQUIRED**
- B ADAPTER B - DO NOT USE**
- C MODIFICATION REQUIRED - REMOVE CONNECTOR**
- D CONNECTION REQUIRED - BLACK/WHITE CONNECTOR SIDE**
- E SPECIAL ATTENTION REQUIRED**

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

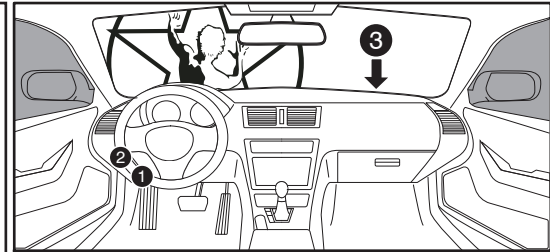
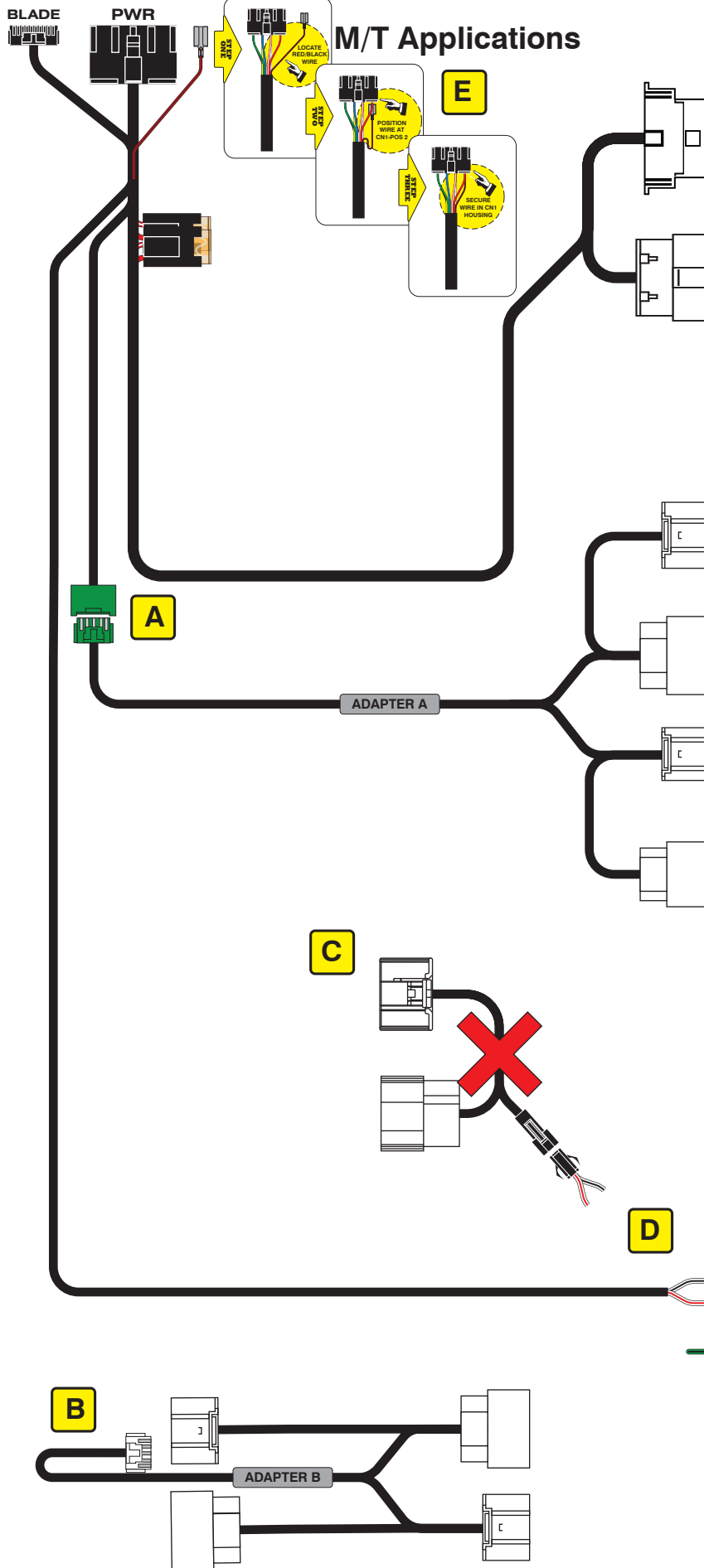
Jumper Setting					
Parking Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(+)Door Trigger In	<input type="checkbox"/>
Accessory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)Door Trigger In	<input type="checkbox"/>
Ignition (Default)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

**CM7000/7200** Cut loop for A/T

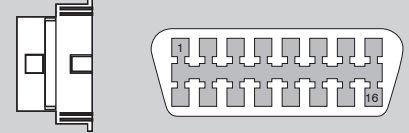




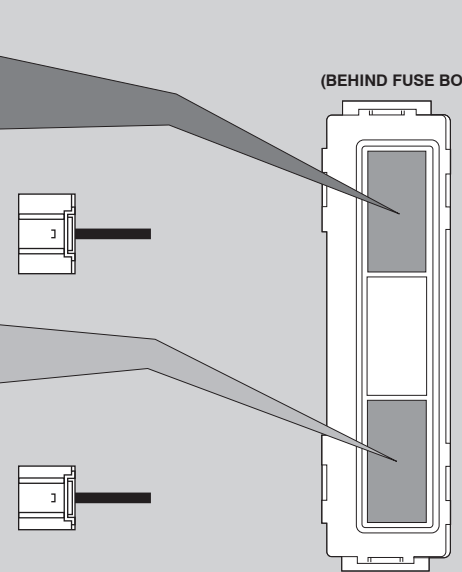
FEATURE COVERAGE																																											
IMMOBILIZER DATA	<input type="checkbox"/>	ARM OEM ALARM	<input type="checkbox"/>	DISARM OEM ALARM	<input type="checkbox"/>	DOOR LOCK	<input type="checkbox"/>	DOOR UNLOCK	<input type="checkbox"/>	TRUNK/HATCH RELEASE	<input type="checkbox"/>	A/M CONTROL FROM OEM REMOTES	<input type="checkbox"/>	A/M CONTROL FROM DOOR HANDLE	<input type="checkbox"/>	BRAKE STATUS	<input type="checkbox"/>	E-BRAKE STATUS	<input type="checkbox"/>	DOOR STATUS	<input type="checkbox"/>	TRUNK STATUS	<input type="checkbox"/>	P/N SWITCH STATUS	<input type="checkbox"/>	VSS STATUS	<input type="checkbox"/>	TACH OUTPUT	<input type="checkbox"/>	SECURE TAKEOVER	<input type="checkbox"/>	AUTO TAKEOVER	<input type="checkbox"/>	RAP SHUTDOWN	<input type="checkbox"/>	A/M REMOTE START FROM OEM REMOTE	<input type="checkbox"/>	PARKING LIGHTS	<input type="checkbox"/>	POWER LIFTGATE	<input type="checkbox"/>	DISCO BALL	<input type="checkbox"/>



**OBD-II Connector**



**Certification ECU**



(BEHIND FUSE BOX)

**ECU (PASSENGER SIDE, UNDER HOOD)**



E158 - BLACK

12				1
24				13
36				25
48			43	37

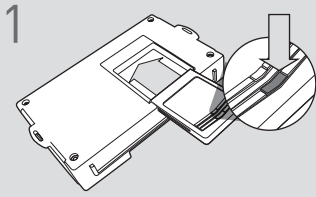
green/black



**LED Programming Error Codes**

- Module LED flashing RED during programming
- 1x - No IMMO data, start car, check wiring
- 3x - OEM remote starter detected (remove)
- 4x - No Ignition, start car, check wiring
- 6x - IMMO problem, start car, check CAN
- 7x - IMMO problem, start car, check CAN

## CARTRIDGE INSTALLATION



1 Slide cartridge into unit. Notice button under LED.

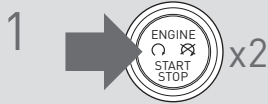
2

Ready for Module Programming Procedure.

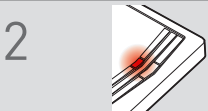
## MODULE PROGRAMMING PROCEDURE

### NOTE

- 1 When programming, only one keyfob will be used. The other one must be located at least 10 feet away from the vehicle.



1 Push start button twice [2x] to ON position.



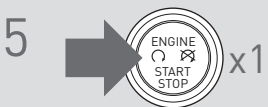
2 LED will turn solid RED.



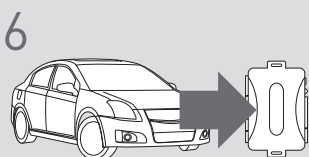
3 Start engine.



4 Wait, LED will flash BLUE rapidly.



5 Push start button once [1x] to OFF position.



6 **WARNING:**  
Disconnect power last.  
Disconnect RS from vehicle.



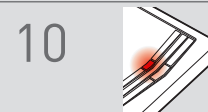
7 Connect RS to computer and proceed with extended programming.



8 **WARNING:**  
Connect power first.  
Connect RS to vehicle.



9 Push start button twice [2x] to ON position.



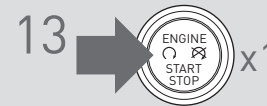
10 LED will turn solid RED.



11 Start engine.



12 Wait, LED will turn solid BLUE.



13 Push start button once [1x] to OFF position.

14

Module Programming Procedure completed.

## WARNING: READ BEFORE REMOTE STARTING THE VEHICLE

### IMPORTANT

- I All vehicle doors must be closed and locked prior to remote start sequence. Failure to comply will result in remote starter malfunction.

## TAKE OVER PROCEDURE - TO THE VEHICLE OWNER

### NOTE

- I All vehicle doors must be closed and locked prior to remote start sequence.



**TIME RESTRICTION COMING UP !**

1



Press UNLOCK on after-market remote.

2



### TIME RESTRICTION

Within 45 SECONDS from previous step:

Have a valid key on you.  
Open vehicle door.  
Enter vehicle.  
Close vehicle door.

Wait approximately 3 seconds for the automated takeover, then press and release BRAKE pedal.

3

Take over procedure completed.



Failure to follow this procedure will result in a vehicle engine shutdown.