Installation Guide

2018-2024 Jeep Wrangler JL-JLU / 2020-2023 Gladiator JT - With or Without OEM Keyless Entry*

*For automatic transmission vehicles only   **RSJL2LR1**

Jeep (Push to Start)

Wrangler	18	19	20	21	22	23	24
Wrangler 4xe Hybrid				21	22	23	24
Gladiator			20	21	22	23	24

-This remote start will monitor the vehicle lock circuit and use the pulses generated by pressing Lock>Unlock>Lock on your OEM remote to start the vehicle. If your vehicle does NOT have keyless entry, the 1 button remote will activate the remote starter (NOTE: When activating remote start using the add on remotes, you must press the button 1 time before entering the vehicle with the OEM Key FOB

-This is a pre-wired plug and play kit. No wire connections are required into the vehicle for basic installation.   The kit also includes an optional parking light flash feature. If used, that feature requires one wire connection.

-We have already loaded the correct firmware into the remote start module (Except Hybrid). You will need to pair the module to your vehicle when the wiring is complete.   Instructions are on page 4.

Overview

There are 6 basic steps to this remote start installation. We're going to address each of these:

1. Download and install Flash Link Manager software.
2. Make the connections.
3. Program the remote start to the vehicle.
4. Unplug the module, bring it to your computer, complete the Dcryptor programming
5. When the Dcryptor finishes on your computer, put the module back in the vehicle and test the system.
6. Button it up!

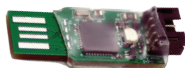## Step 1: Download and Install Flash Link Manager Software

**The Flashlink Manager (FLM) software only works on a Windows computer, Apple is not supported.
It is important to connect the Flash Link Lite (FLL) tool and the EVO-ALL module to the computer in the right order to allow it to be properly detected. Enter the following link in your web browser, then download, install, and save the software to your desktop.
https://fortin.ca/en/resources/flashlink-manager/

DCRYPTOR TECHNOLOGY

Microsoft Windows Computer with Internet connection

(FLL) TOOL

Plug this end of the (FLL) programming tool directly into the USB port on your Windows computer

EVO-ALL

1) First, open the Flash Link Manager (FLM) software you saved on your desktop. Then login with:
User name: flash@kleinn.com and Password: Flash2020
DO NOT CHANGE THE USERNAME OR PASSWORD

2) Next, plug the Flash Link Lite (FLL) tool into your Windows computer's USB port. The light on the (FLL) updater will turn white and then cycle a few colors. Wait until the light turns solid red. You should see a message to please reconnect module. NOTE: you may get a message asking you to update the Flash tool at this point, DO NOT update Flash tool it will cause problems.

3) *If you have a hybrid, you will need to click the 3 bars in the upper left corner, select vehicle type, choose STAND ALONE, T HARNESS, NO ALARM in the boxes under vehicle info then load settings before installing in the vehicle.

4) When prompted on Step 4, plug the EVO-ALL module into the FLL tool using the supplied 4-pin data link connector making sure the connections are secure on both ends. The software will detect the EVO-ALL and will display the status of the module. If the Red Light on the EVO-ALL does not light up or is not detected, all 3 lights may flash, in that case, unplug just the EVO-ALL module and plug it back in until the light turns red, it can take a few times.

Preparation:

Remove the plastic shroud below the steering wheel in the vehicle. This will allow access to the under dash driver's side location of the vehicle. The remote start brain will be mounted in this location. Before you start wiring, look for a place under the dash where there's some open space that will fit the module. Pay attention to moving parts like the pedals, e-brake and steering column. Be sure to route your wiring away from those areas. Be careful not to break the panels – especially in cold weather.

Next, open the glove box on the passenger's side and release the tabs on both sides to open the glove box past it's normal stopping point. The glove box can then be lifted off its hinges and removed. This will allow access to the CAN Junction connectors.
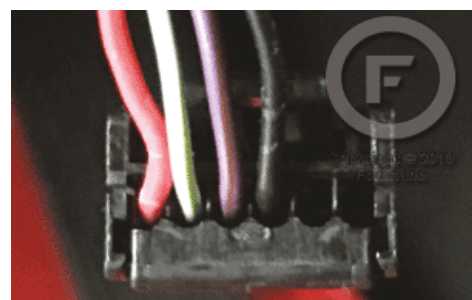
Step 2: Wiring

Where to make connections:

When you open up your remote start, you're going to see a bunch of loose wires in a bundle. Don't be intimidated! The system wiring overview and steps below will show you the specific wires that you're going to need and where they connect in your vehicle. Any wires that are not shown to connect in this guide will not need to be connected.
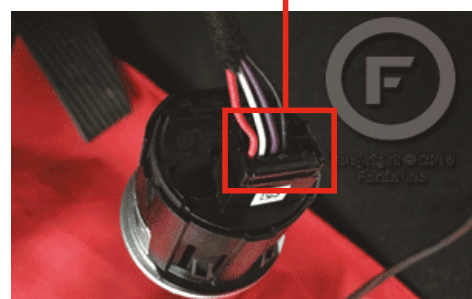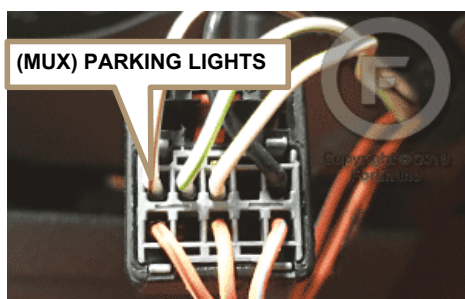
Optional parking light connection can be made as shown in the Making "Tap-on" wire wrap connection image below. Making this wire to wire splice connection will make the parking lights flash while the remote start is running.
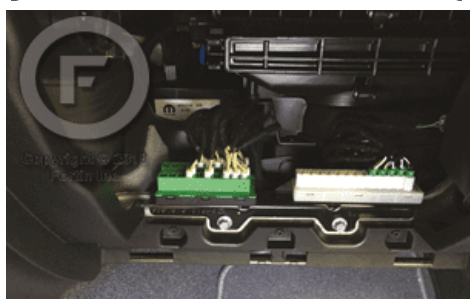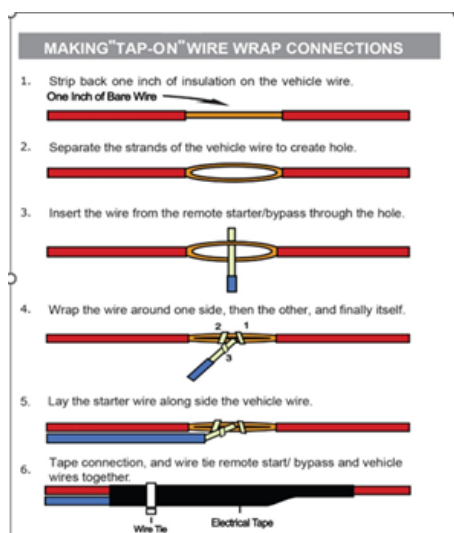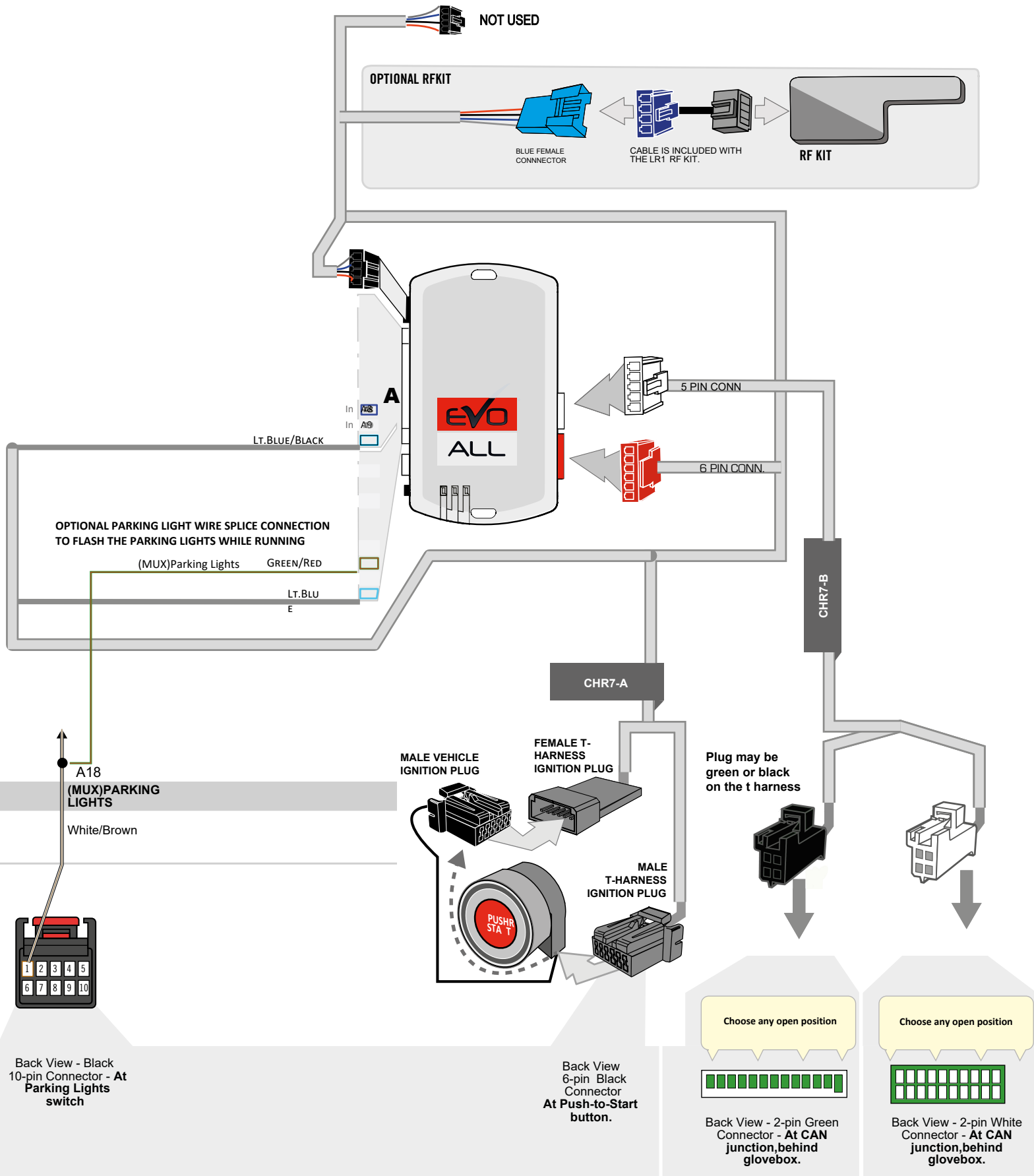
① At Push-to-Start button.

③ At parking light switch. .

(MUX) PARKING LIGHTS

MAKING "TAP-ON" WIRE WRAP CONNECTIONS

1. Strip back one inch of insulation on the vehicle wire.
   One Inch of Bare Wire

2. Separate the strands of the vehicle wire to create hole.

3. Insert the wire from the remote starter/bypass through the hole.

4. Wrap the wire around one side, then the other, and finally itself.

5. Lay the starter wire along side the vehicle wire.

6. Tape connection, and wire tie remote start/ bypass and vehicle wires together.

Wire Tie   Electrical Tape

System Wiring Diagram

NOT USED

OPTIONAL RFKIT

BLUE FEMALE CONNNECTOR

CABLE IS INCLUDED WITH THE LR1 RF KIT.

RF KIT

A

In A8
In A9

EVO ALL

5 PIN CONN

6 PIN CONN.

CHR7-B

Lt.Blue/Black

OPTIONAL PARKING LIGHT WIRE SPLICE CONNECTION TO FLASH THE PARKING LIGHTS WHILE RUNNING

(MUX)Parking Lights   Green/Red

Lt.Blue

A18
(MUX)PARKING LIGHTS

White/Brown

CHR7-A

MALE VEHICLE IGNITION PLUG

FEMALE T-HARNESS IGNITION PLUG

MALE T-HARNESS IGNITION PLUG

PUSHR STA T

Plug may be green or black on the t harness

1 2 3 4 5
6 7 8 9 10

Back View - Black 10-pin Connector - **At Parking Lights switch**

Back View 6-pin Black Connector **At Push-to-Start button.**

Choose any open position

Back View - 2-pin Green Connector - **At CAN junction,behind glovebox.**

Choose any open position

Back View - 2-pin White Connector - **At CAN junction,behind glovebox.**

STEP 3: Programming

Once the T-harness has been connected, the remote start module is ready to be programmed.

1
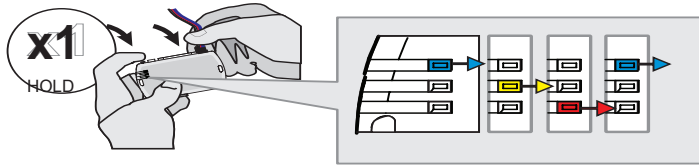
Press and hold the programming button:
Insert the 4-Pin (Data-Link) connector.

x1
HOLD

The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.

2

RELEASE

ON **BLUE**
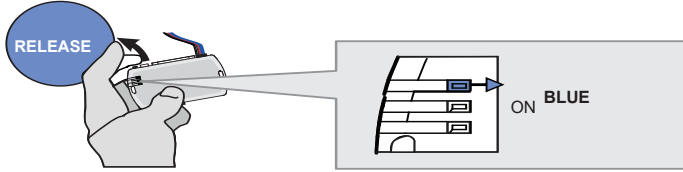
Release the programming button when the LED is BLUE.

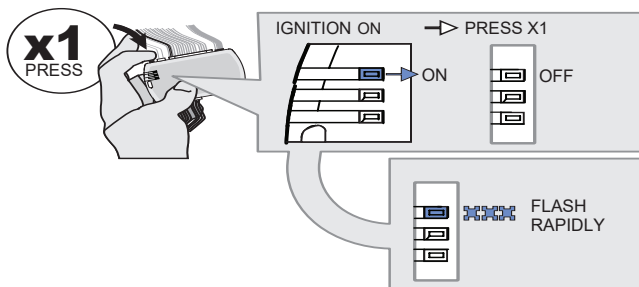*If the LED is not solid BLUE disconnect the 4-Pin connector (Data-Link) and go back to step 1.*
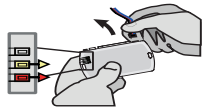
3
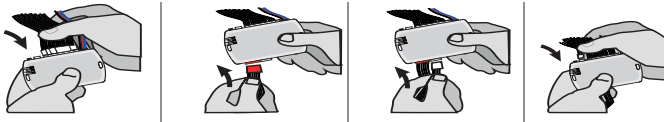
Insert the required remaining connectors.

4

x2

IGN ON

Do not press the brake pedal. Press the START/STOP button twice to turn ON the ignition.

5

x1
PRESS

IGNITION ON → PRESS X1

ON   OFF

FLASH RAPIDLY

Press and release the programming button once (1x).

The BLUE LED will turn off.

The BLUE LED will flash rapidly.

6

x1
PRESS

OFF

IGNITION ON → IGNITION OFF

OFF
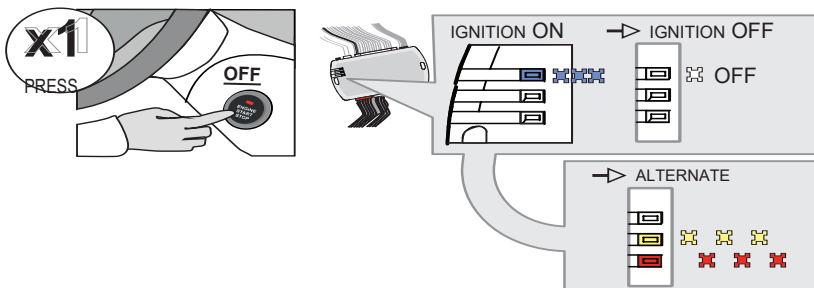
→ ALTERNATE

Press the START/STOP button once to turn OFF the ignition.

The BLUE LED will turn off.

The RED and YELLOW LEDs will alternated.
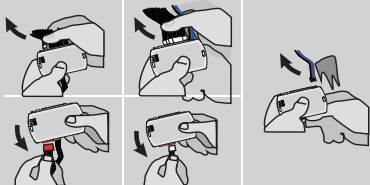
After getting the expected lights during your part of programming in the vehicle, then you need to complete the Dcryptor process at the end to complete your part of the programming.

Unplug all the connectors from the EVO-ALL module. Be sure to disconnect the black 4-pin (data link) plug last.

D CRYPTOR
TECHNOLOGY

Microsoft Windows Computer with Internet connection*

Use the tool:
FLASH LINK UPDATER

FLASH LINK UPDATER*   FLASH LINK MANAGER*
SOFTWARE | PROGRAMME

Follow the instructions on Page 5

Step 4: Select Vehicle & Run Dcryptor

Next, it's time to bring the remote starter module to your computer and plug it into the supplied four-pin plug from the Flashlink Updater (FLL) that is plugged in with the software open a s instructed in step 1.


The software will detect you plugging it in and will automatically load the current settings.
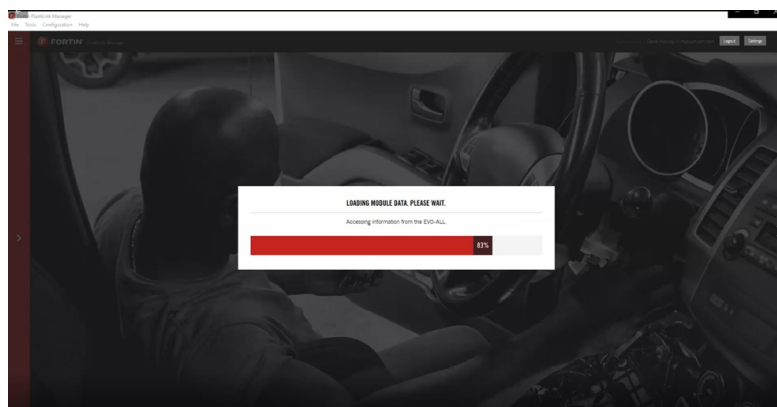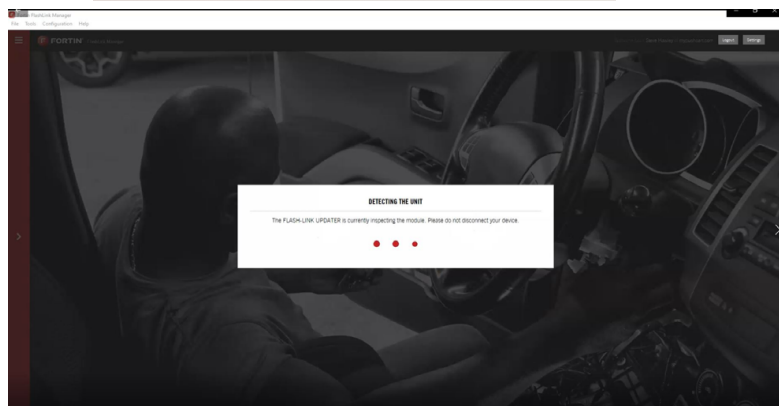
The first step is to select your vehicle. Click the three bars at the top of the Red bar on the upper left corner of the screen. Make sure to select your year, make, model and key type, Stand Alone, T-harness CHR7, and No Alarm,then click load settings.
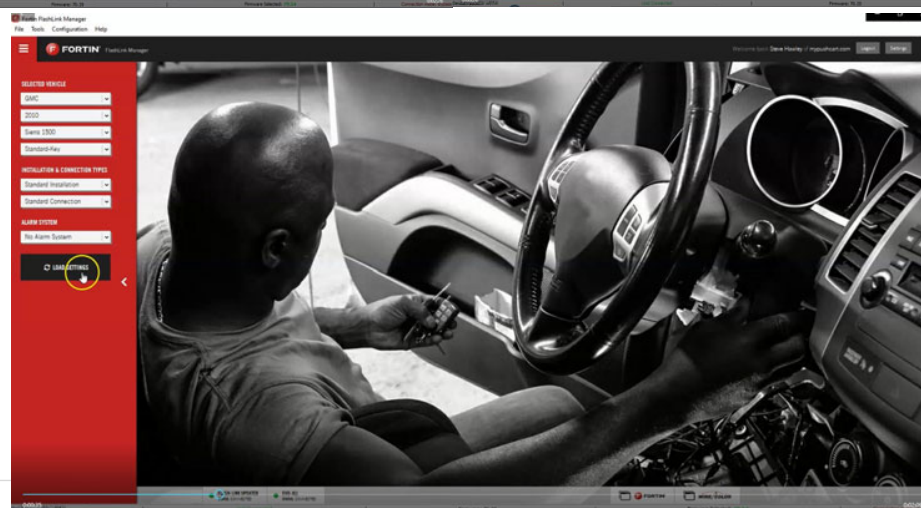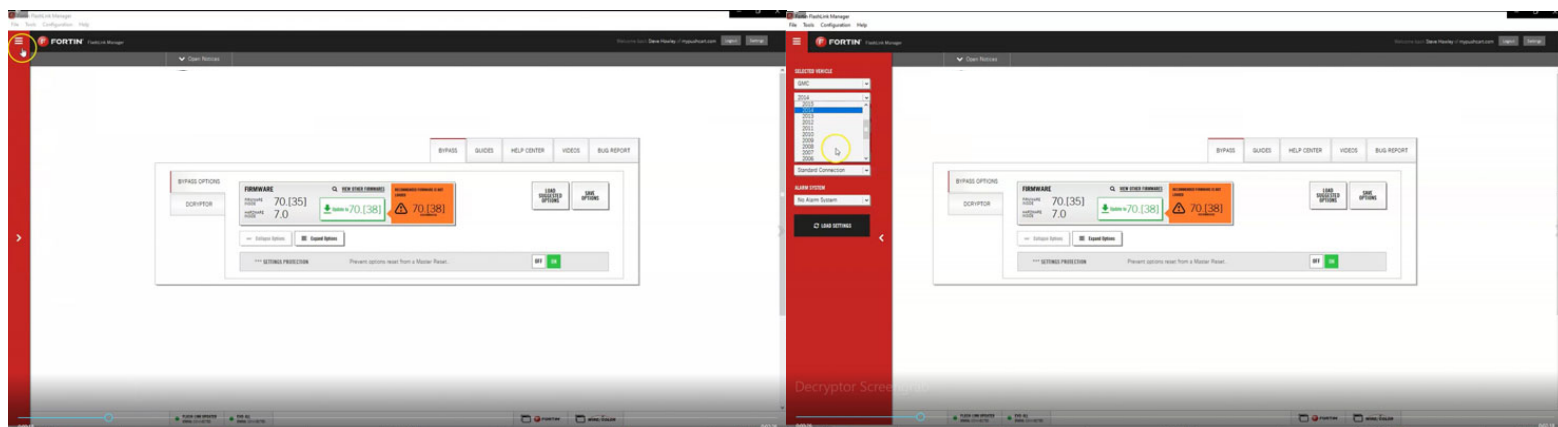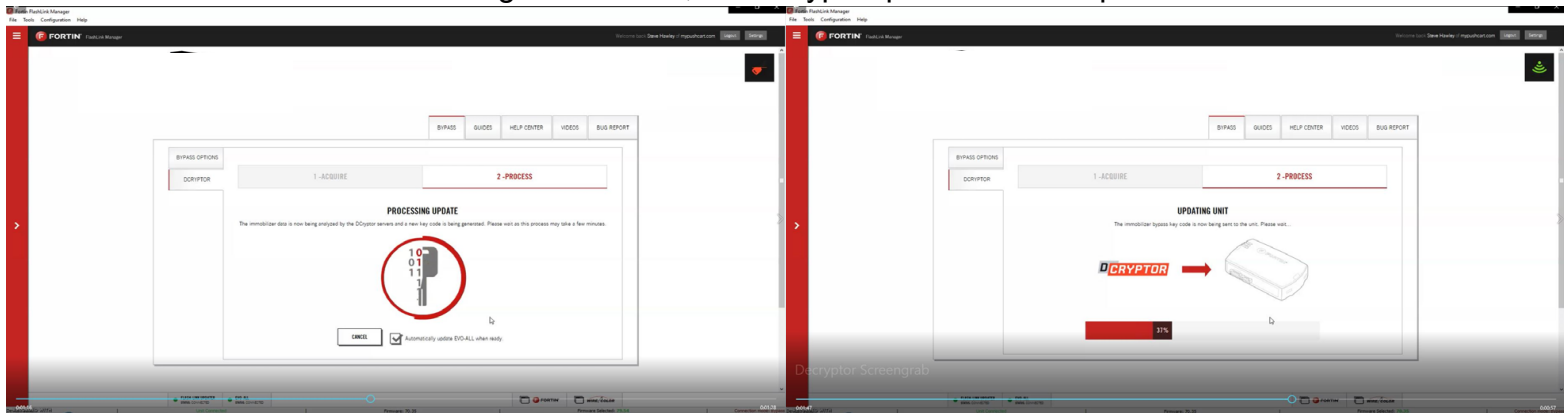
- Next, click the Dcryptor tab.
-
- Then click on the Send data button.
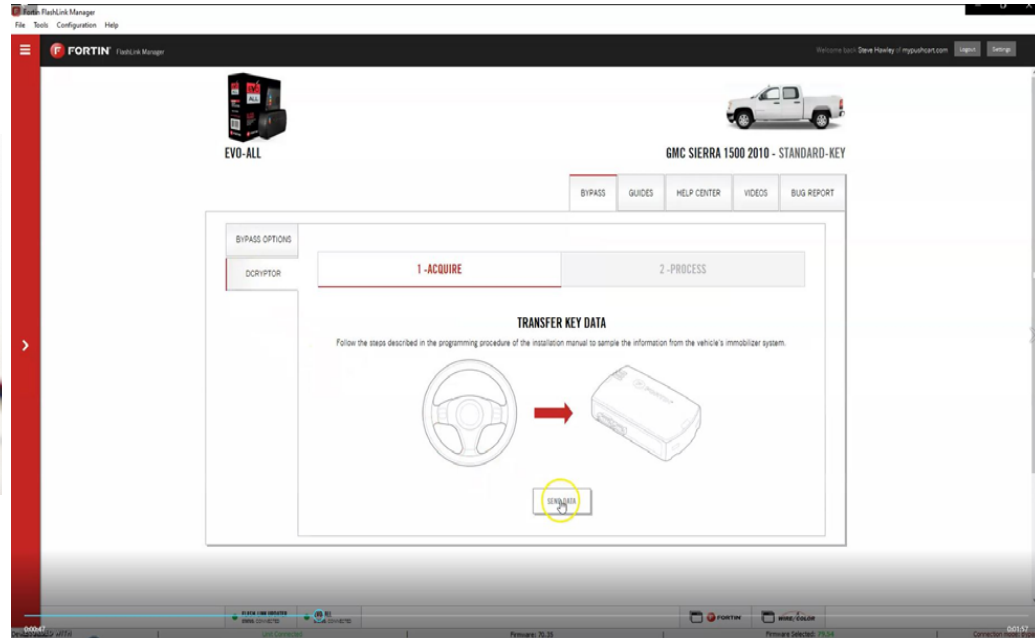
Wait while the updater reads data from the EVO-ALL. Once it is done it will update the EVO-ALL. You will see a status bar at the bottom of the screen.

When it gets to 100%, the Dcryptor process is complete.

If the Dcryptor process completed successfully, you will see a message on your screen that the module is "ready for use". Unplug the EVO-ALL module from the FLL tool and plug it back into the vehicle black plug first.

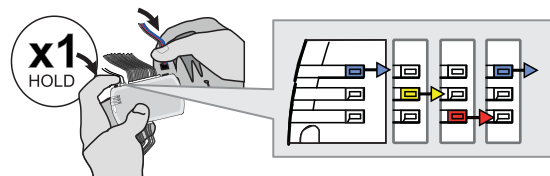**Do not hold the program button down when you plug the connectors back in.**
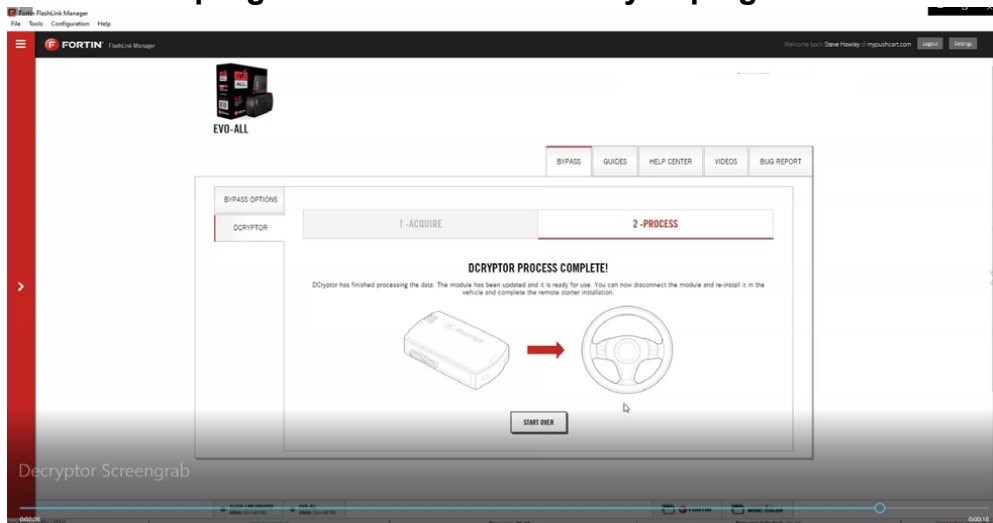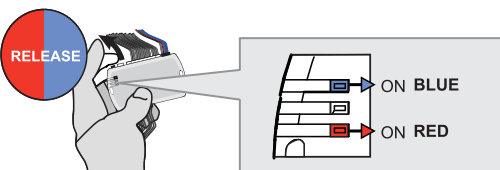
Step 4: Pair the remotes to the remote starter
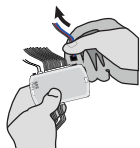
1   **Unplug** the 4 Pin (Data-Link) connector from the EVO module.

2   **x1 HOLD**   **Press and hold** the programming button:
Reinsert the 4-Pin (Data-Link) connector.

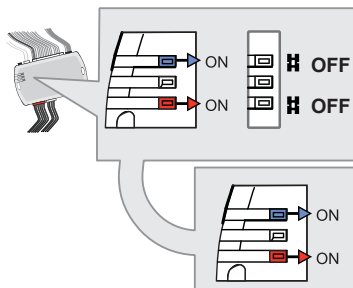**3**   **RELEASE**   ON **BLUE**   ON **RED**

Release the programming button when LEDs are BLUE & RED.

If the LED are not solid BLUE and RED disconnect the 4-Pin connector (Data-Link) and go back to step 1.
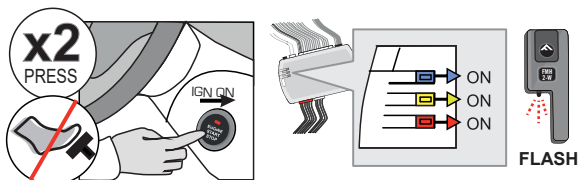
4   ON   OFF   ON   OFF   ON   ON

Press and hold the programming button until the Blue and RED LED turn back ON.

The Blue and Red LED will go Off and back On.

5   **x2 PRESS**   IGN ON   ON   ON   ON   **FLASH**

Do not press the brake pedal. Press the START/STOP button twice to turn ON the ignition.

The Blue, Yellow and Red LEDs will turn On. The antenna will flash rapidly.
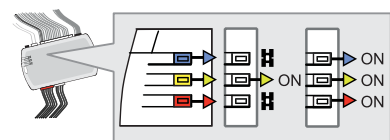
6   RM411   <u>**Repeat On EACH Transmitter**</u>
PRESS & **HOLD** BUTTON ⏻ , THE LED WILL LIGHT UP BLUE, HOLD UNTIL THE REMOTE'S LED **TURNS OFF** AND TURNS BACK ON, THEN RELEASE THE REMOTE'S BUTTON AND REPEAT ON THE 2nd REMOTE

ON   ON   ON   ON   ON   ON

The Blue and Red LEDs will flicker really fast once each time a remote is paired to confirm.

7   **x1 PRESS**   OFF

Press the **START/STOP** button once to turn OFF the ignition.

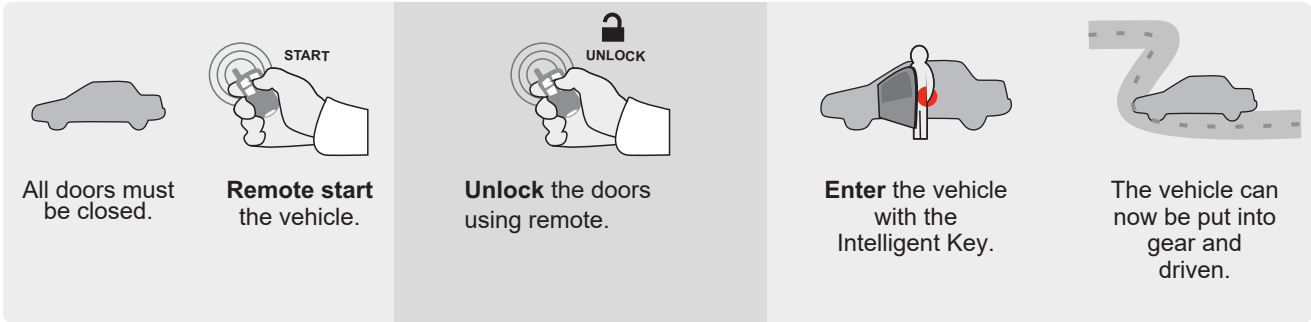**The remote is now programmed.**

Step 4: Test the System

1. If the Jeep is equipped with Keyless Entry, Press **Lock>Unlock>Lock** on your OEM fob three times in succession. The vehicles ignition/accessory circuits will turn on after a few seconds. Another few seconds later the starter motor will engage. It's all about getting the timing down. Lock-1000-Unlock-1000-Lock. You will see the Blue light on the remote start module every time you press the button.

2. Step on the brake pedal to stop the engine.

If Jeep does not have OEM Keyless entry, test using the programmed 1 button remote. You should test the system to make sure everything is working properly before you close up the installation.

USING THE REMOTE CONTROL

RM411	press	seconds	COMMAND	DESCRIPTION
	1x	0.5 seconds	**LOCK**	Press the button 1x (0.5 seconds) : Locks all doors, arm the anti-theft system and activates the Alarm (if installed).
	2x	0.5 seconds	**UNLOCK**	Press the button 2x (0.5 seconds): Unlocks all doors, disarms the anti-theft system and deactivates the Alarm (if installed).
	1x	3 seconds	**START OR STOP**	Press and hold the button for 3 seconds: Remote-start the vehicle. If the engine is ON : the engine will turn OFF.

Step 5: Close it Up

Now gather up all of your wiring and neatly bundle it together using zip ties or electrical tape. Find a secure place to put the remote start module and use zip ties to secure it. **Make sure that the remote start wires are not near any moving parts on the steering wheel, pedals or emergency brake! Re-Install any panels that were removed to gain access to key switch in reverse order they were removed. ENJOY!**

All doors must be closed.	**START** Remote start the vehicle.	**UNLOCK** 🔓 Unlock the doors using remote.	Enter the vehicle with the Intelligent Key.	The vehicle can now be put into gear and driven.

⚠️ If the vehicle is not unlocked before the door opens, the remote starter will shut down when a door is opened or the brake is pressed.

If your vehicle is not equipped with power locks, it is still necessary to send the unlock command from the Aftermarket remote control to avoid shutdown upon entry by pressing the button twice when entering

If you have any installation questions or problems, call for tech support
520.579.1531
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