Installation Guide

Select 2010-2024 GM Push to Start

KLEINN SKU# - RSGM6

Chevrolet (Push to Start)															
Blazer										19	20	21	22		
Bolt							16	17	18	19	20	21			
Camaro							16	17	18	19	20	21			
Corvette					14	15	16	17	18	19					
Cruze			12	13	14	15	16	17	18	19					
Equinox									18	19	20	21	22	23	24
Impala					14	15	16	17	18	19	20				
Malibu				13	14	15	16	17	18	19	20	21	22	23	24
Silverado Limited													22		
Silverado 1500										19	20	21			
Silverado 2500											20	21	22	23	
Silverado 3500											20	21	22	23	
Sonic								17	18						
Spark							16	17	18	19	20	21	22		
Suburban						15	16	17	18	19	20				
Tahoe						15	16	17	18	19	20				
Trailblazer												21	22	23	24
Traverse									18	19	20	21	22	23	
Trax								17	18	19	20	21	22		24

* For automatic transmission vehicles only

GMC (Push to Start)															
Acadia								17	18	19	20	21	22	23	
Sierra 1500 Limited													22		
Sierra 1500										19	20	21			
Sierra 2500											20	21	22	23	
Sierra 3500											20	21	22	23	
Terrain									18	19	20	21	22	23	24
Yukon						15	16	17	18	19	20				
Buick (Push to Start)															
Encore								17	18	19	20	21	22		
Encore GX											20	21	22	23	24
Envision								17	18	19	20				
Lacrosse	10	11	12	13	14	15	16	17	18						
Regal		11	12	13	14	15	16	17	18	19	20				
Verano			12	13	14	15	16	17							
Cadillac (Push to Start)															
CT6							16	17	18						
CTS					14	15	16	17	18						
CTS-V				13	14	15	16								
Escalade						15	16	17	18	19	20				
SRX	10	11	12	13	14	15	16								
XT4										19	20	21	22	23	
XT5								17	18	19	20	21	22	23	
XT6											20	21	22	23	
XTS				13	14	15	16	17	18	19					

Introduction:

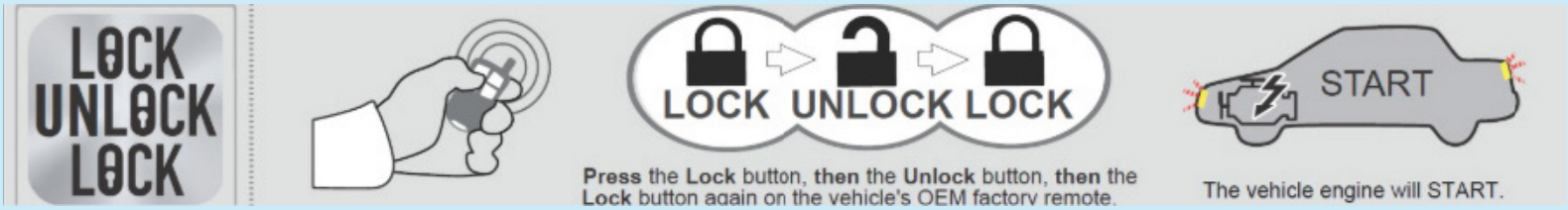
Thank you for purchasing your remote start from Kleinn, an industry leader in providing high quality automotive accessories. The purpose of this tip sheet is to help guide your installation.

- **We have already loaded the correct firmware into the remote start module, you will need to run Dcryptor after you connect the T-harness and program the module in the vehicle, connect the FLL (Flash Link Lite) updater tool provided to a windows PC to complete the Dcryptor programming.**
- **This is a pre-wired "plug & play" kit. No wired connections are required in the vehicle.**

Activation:

This remote start will monitor the vehicle lock circuit and use the pulses to activate the remote starter.

Remote Starter Activation: Press Lock>Unlock>Lock on your OEM remote fob to start the vehicle.



Check out our extended range RF Remote or Smartphone Control upgrade kits

Click Here for Upgrade Options

Parts Required:

- **EVO-ALL Module -**
- **THAR-GM6 - Push to Start T-Harness**
- **FLL - Flashlink Updater Tool**

Disclaimer

Neither the manufacturer nor the distributor of these components are responsible for damages of any kind either indirectly or directly caused by the components, except for the replacement of the components in case of manufacturing defects. This guide is subject to change without notice. Refresh your browser cache or use different browser (Edge, Chrome, Firefox, etc.) to view the latest update.

 Document service number: Take a picture of the metallic sticker on the back side of the EVO-ALL module brain as shown in the example below or write down the service number. Should you need tech support, this number will assist us in troubleshooting your kit.



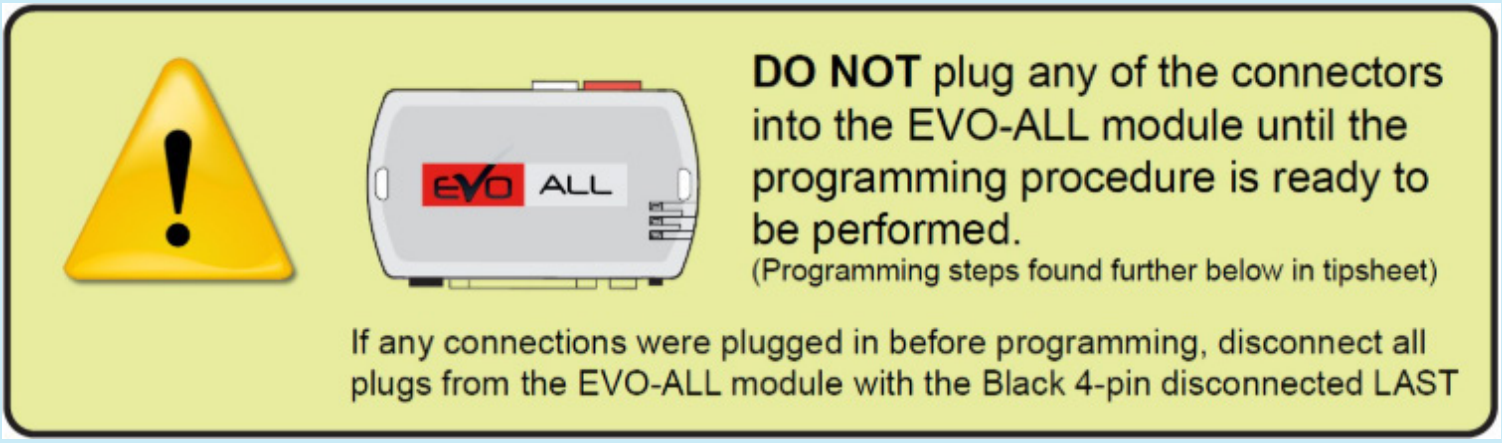
STEP 1: Preparation

6 basic steps to this remote start installation:

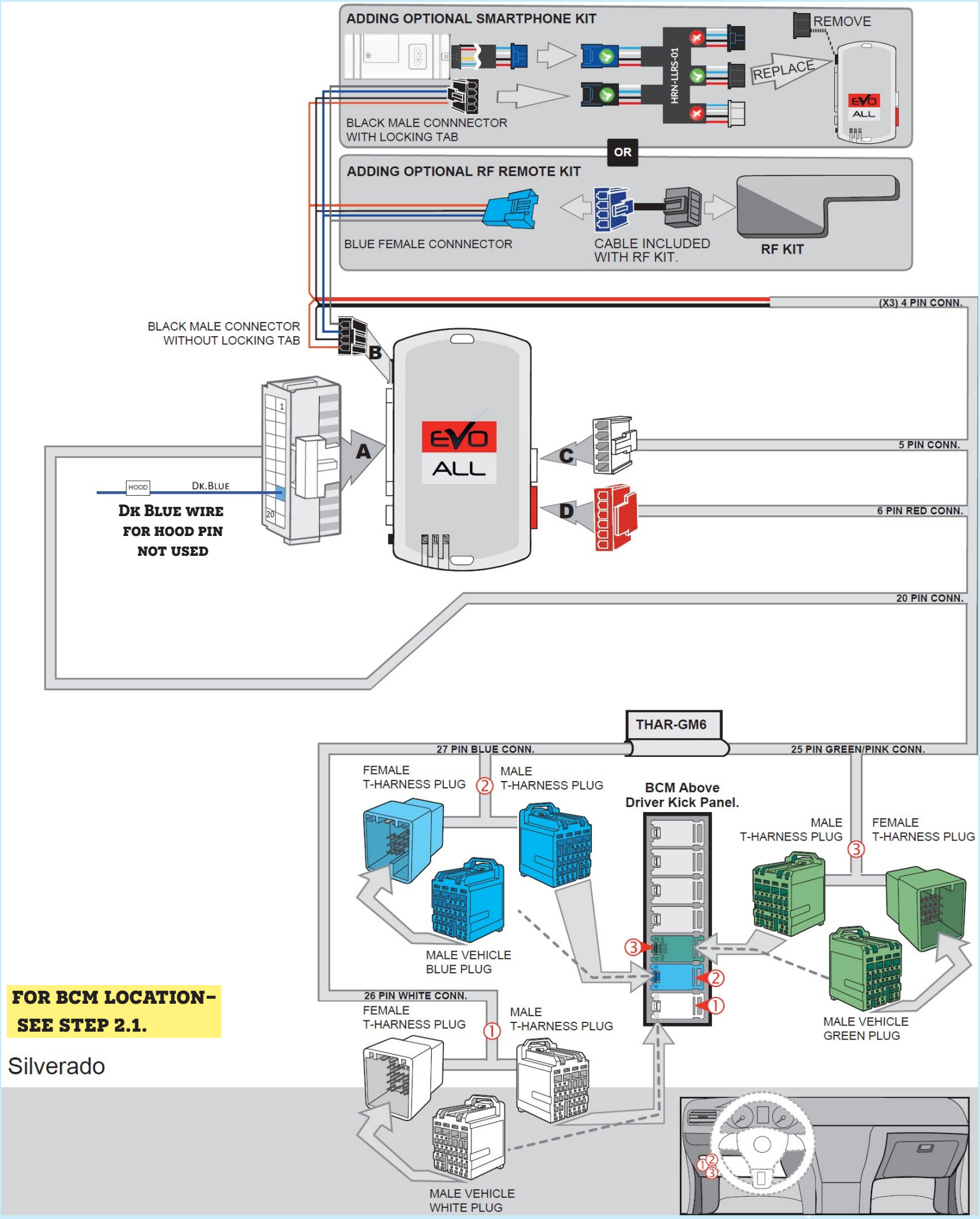
1. Remove the lower dash panel on the drivers side. **Step 1**
2. Make the 3 t-harness connections in the vehicle. and checking key location in step 2.2. **Steps 2 – 2.2**
3. Program the remote start to the vehicle until you reach the Dcryptor . **Step 3**
4. Download the flashlink manager software select vehicle info & diesel setting. . **Step 4-4.1**
5. Run the Dcryptor programming. **Step 5**
6. When the Dcryptor finishes on your computer, put back in the vehicle and test the system. **Step 6**
7. test and button it up finding a spot to secure the module that is free from obstruction. **Step 7**

- 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 removing the panels –especially in cold weather.

- 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.



Step 2: System WIring Overview.



FOR BCM LOCATION- SEE STEP 2.1.

Silverado

Step 2.1: Make the Connections



Silverado

LOCATION OF THE BCM FOR SILVERADO AND VEHICLES HIGHLIGHTED BELOW. SEE FOLLOWING PAGES FOR YOUR SPECIFIC MODEL VEHICLE.

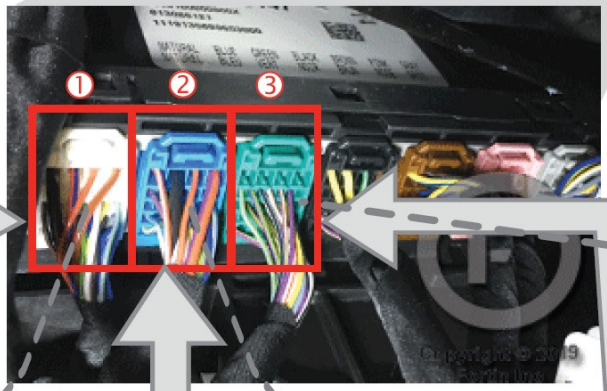
Connect the T-Harness to the vehicle:

Locate the vehicle BCM. This will be mounted above the kick panel, accessible from the under dash driver side area in the vehicle. This will be to the upper left of your left foot if you are sitting in the driver seat. Expose the BCM plugs by removing the lower knee bolster. You will need to access three plugs in this location. Because all the required connections are made in this location for this install, it is recommended to also mount the remote starter in or near this location.

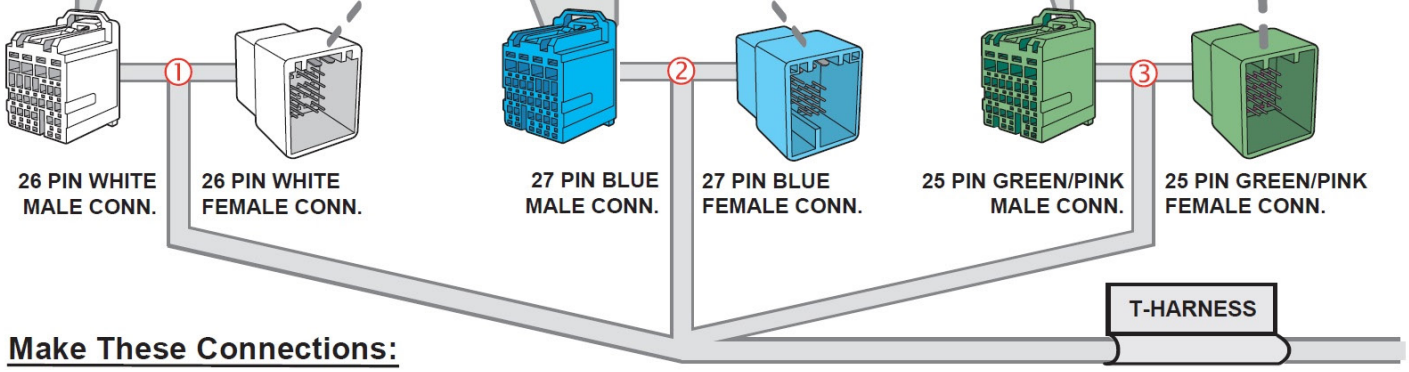




Silverado BCM



-19-21 Silverado & Sierra 1500
-22 Silverado & Sierra 1500 Limited
-20-23 Silverado & Sierra 2500/3500
-15-20 Suburban/Tahoe/Yukon
-17-18 Sonic
-16-22 Spark
Cadillac
-14-18 CTS
-13-16 CTS-V
-15-20 Escalade



Make These Connections:

1) Unplug the white 26-pin plug from the BCM and connect it to the matching female plug of the T-harness. Then, connect the white 26-pin male plug from the T-harness to the matching port of the BCM.

2) Unplug the blue 27-pin plug from the BCM and connect it to the matching female plug of the T-harness. Then, connect the blue 27-pin male plug from the T-harness to the matching port of the BCM.

3) Unplug the green 25-pin plug from the BCM and connect it to the matching female plug of the T-harness. Then, connect the green 25-pin male plug from the T-harness to the matching port of the BCM.



You are now ready to begin programming in the vehicle.

Step 2.1: Make the Connections Continued

A. Locate the vehicle BCM – See BCM locations for all other vehicles not mentioned on the prior page below. It is easily identified by the seven colored multi-pin plugs.
B. Starting with the White plug at the end – remove the plug from the BCM and insert it into the female White plug in the remote start harness.
C. Then insert the male White plug from the remote start harness back in to that same BCM slot.
D. Repeat Step 2B with the Blue and Green plugs. The wiring is now complete.

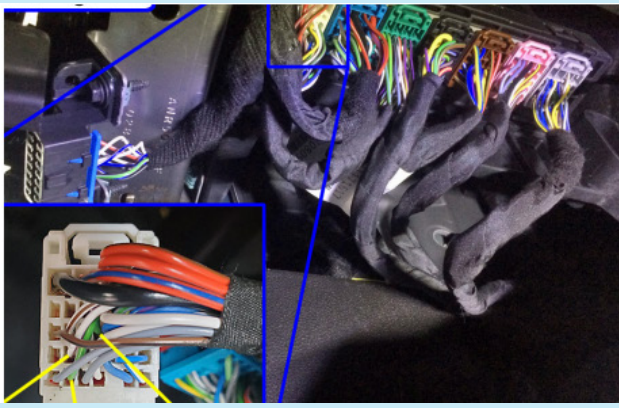
Above driver's kick panel

Chevy
-16-19 Cruze
-13-15 Malibu
-14-20 Impala
-16-21 Bolt
-17-22 Trax
-16-21 Camaro
-16-22 Spark

Buick
-17-20 Encore
-10-16 Lacrosse
-11-17 Regal

Cadillac
-16-18 CT6
-10-16 SRX
-14-19 XTS





Right side center console

Chevy/GMC
-21-24 TrailblazerChevy/GMC
-18-24 Equinox -18-24 Terrain
-18-23 Traverse -17-23 Acadia
-12-15 Cruze -16-24 Malibu
-19-22 Blazer -24 Trax Buick
-21-22 Encore -22-24 Encore GX
-17-20 Envision -17-18 Lacrosse
-18-20 Regal -12-17 Verano

Cadillac
-19-23 XT4
-17-23 XT5
-20-23 XT6





Left side center console

Chevy
-21-24 Trailblazer





Step 2.2 : Before Programming, Step 4 Below MUST PASS - (continued on next page)

1. Plug in **ONLY THE RED 6-PIN PLUG** to the EVO-ALL.
2. Remove the battery from the factory key fob.
3. Place the factory key fob in the location shown on the next page.
4. Press and hold the brake pedal and press the push to start button to start the vehicle
   A. If the vehicle starts unplug the red 6-pin plug and proceed to the programming steps..
   B. If the vehicle doesn't start check the key placement (Remove any rubber cup holders, flip key around)
   C. THIS TEST MUST PASS TO BE ABLE TO PROGRAM THE MODULE and helps to practice the exact location needed to program.

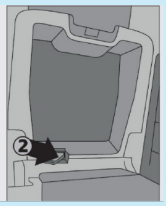
Step 2.2 Continued - Key Fob location confirmation before programming

Key fob location and physical appearance of the key fob may differ slightly from the pictures below based on year and trim level.
If you have trouble locating the back up location for the key fob please refer to the vehicle owners manual

Silverado/Sierra 1500/2500/3500



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remotes in to the keyport location in the center console.

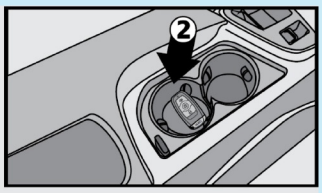


Suburban/Tahoe/Yukon/Escalade/Terrain/CTS (V)



1. **Remove** The battery from the OEM remote
2. **Place** the OEM remote in the back cup holder in the center console.

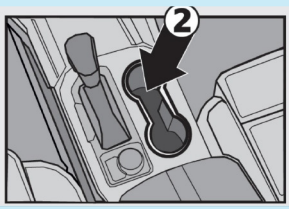
Refer to vehicle user guide for keyport location.



Blazer/Traverse/Equinox/Trax/Sonic/XT4/ Envision/17-20 Encore



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote in the **front** cup holder in the center console.



Trailblazer 21-22 Encore



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote in the **keyport** located in the center console.

Refer to vehicle user guide for keyport location.

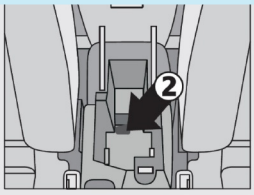


13-15 Malibu



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.

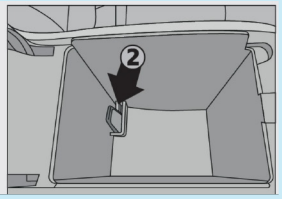


16-24 Malibu Camaro/Verano



1. **Remove** the battery from the OEM remote.
2. Place the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.

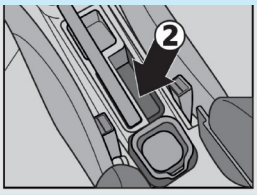


Spark



1. **Remove** the **battery from** the OEM **remote**.
2. **Place** the **transmitter** in the transmitter pocket, which is **inside** the **center console** storage area.

Refer to vehicle user guide for keyport location.

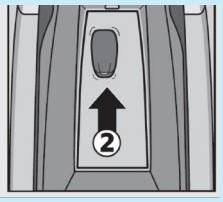


Bolt/Volt



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the center console.

Refer to vehicle user guide for keyport location.

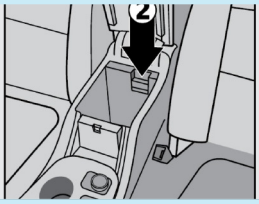


Acadia

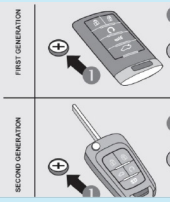


1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.



Cruze/Corvette



1. **Remove** the battery from the OEM remote.
2. **First generation** OEM remotes: **Place** the OEM remotes in the key older.

1. **Remove** the battery from the OEM remote.
2. **Second generation** OEM remotes: **Place** the OEM remotes in to the center console.

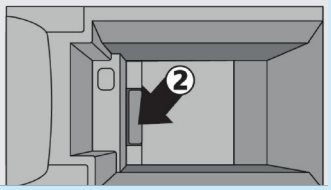


Impala/Lacrosse/XTS



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.

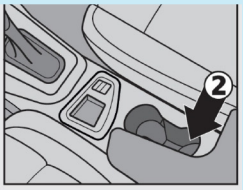


Buick Regal



1. **Remove** the battery from the OEM remote.
2. Place the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.

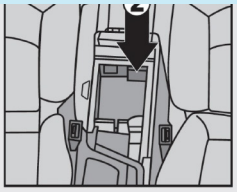


CT6/SRX



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.

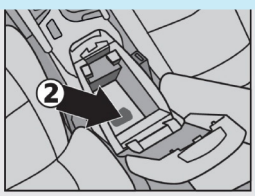


XT5/XT6



1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remote into the transmitter pocket of the center console.

Refer to vehicle user guide for keyport location.



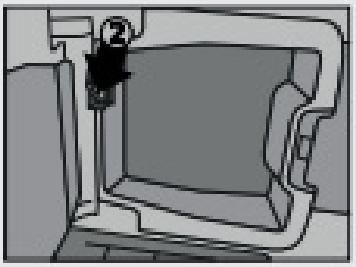
Step 3: Programming.

- Before starting the programming sequence, make sure that none of the connectors are plugged into the EVO-ALL. Instructions for programming the EVO-ALL are below. Here are a few important tips to help you avoid common mistakes:
- While holding the button down on the EVO-ALL (step 1 in the programming instructions), insert the black end of the power cable WITHOUT the locking tab into the EVO-ALL black receptacle.

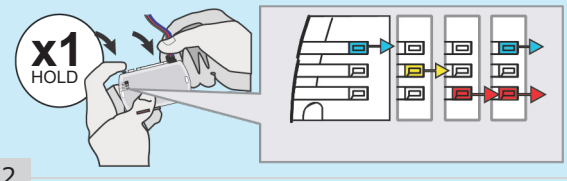


1. **Remove** the battery from the OEM remote.
2. **Place** the OEM remotes in to the center console.

1. **Retirez** la batterie de la télécommande d'origine.
2. **Placez** la télécommandes d'origine du véhicule dans la console centrale.



1

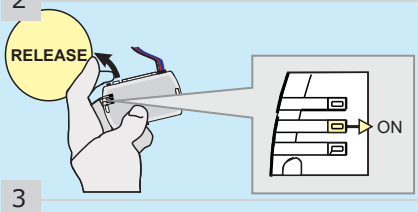


Begin programming with the doors closed.
Press and hold the programming button: While holding the button, Connect the 4-PIN Data-link harness (Black connector) without the locking tab.

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

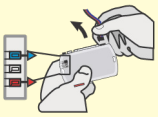


2

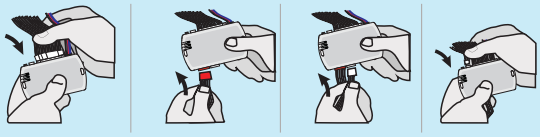


Release the programming button when the LED is **YELLOW.**

If the LED is not solid YELLOW disconnect *the 4-Pin connector (Data-Link) and go back to step 1.*

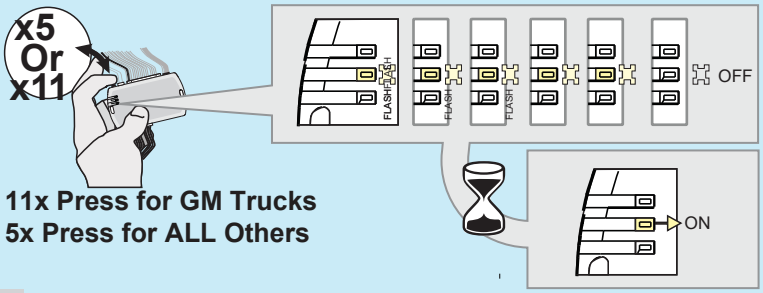


3



Insert the White 20-pin, Red 6-pin, & White 5-pin connectors.

4

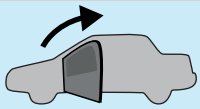


11x Press for GM Trucks
5x Press for ALL Others

Press and **release** the programming button **11 times on Silverado & Sierra**, **ALL other vehicles Press and release the button five times (5x).**

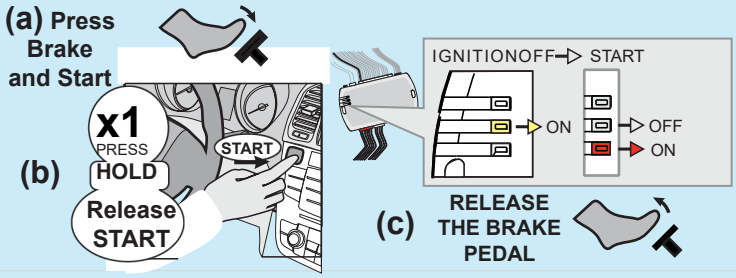
- *The YELLOW LED flashes the same number you pressed and will alternate counting that pattern.*
- Wait *until the YELLOW LED turns ON.*

5



Open the driver door.

6



Press the foot-brake pedal.

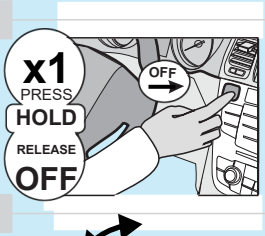
Press the Push-to-Start button to start the engine.

Release the foot-brake pedal.

- *The RED LED will turn ON.*
- *The YELLOW LED will turn OFF.*

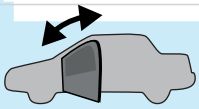
CONTINUED NEXT PAGE

7



Press the Push-to-Start button to turn the engine **OFF.**

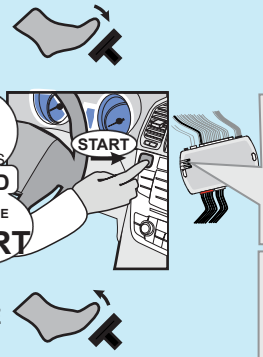
8



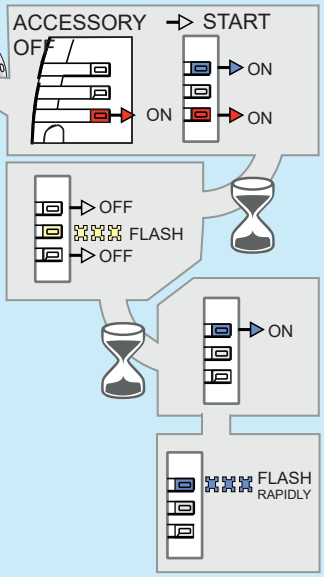
Close and **open** the driver door.

9

Press Brake and Start



RELEASE THE BRAKE PEDAL



Press the foot-brake pedal.

Press the Push-to-Start button to start the engine.

Release the foot-brake pedal.

└The BLUE LED will turn ON.

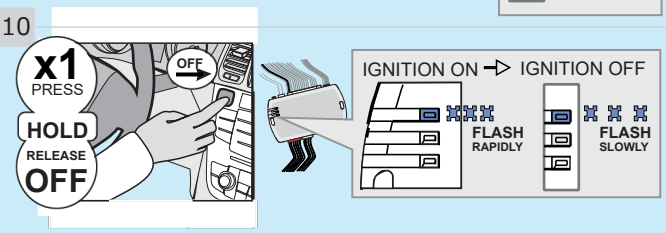
└The BLUE LED will turn OFF.
The RED LED will turn OFF.

└The YELLOW LED will flash rapidly

└The BLUE LED will turn ON.

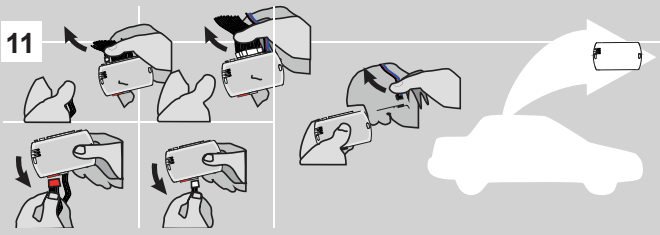
└The BLUE LED will flash rapidly

10



Press the Push-to-Start button to turn the engine **OFF.**
└The BLUE LED will flash slowly

11



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)

12



FLASH LINK MANAGER* | FLASH LINK UPDATER* | EVO -ALL MODULE

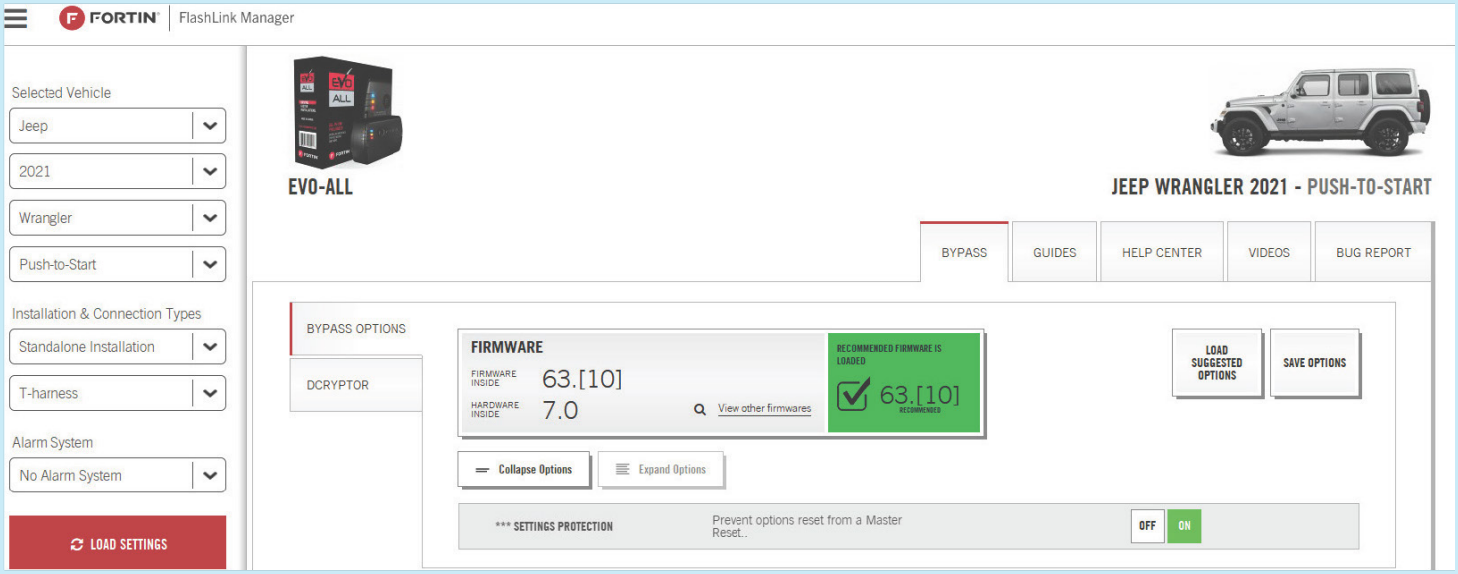
Microsoft Windows Computer with Internet connection*

Open the Flashlink Manager software on your computer and log in. It is important to connect the module to the computer in the exact order as shown to the left.
Go to Step 4 next.

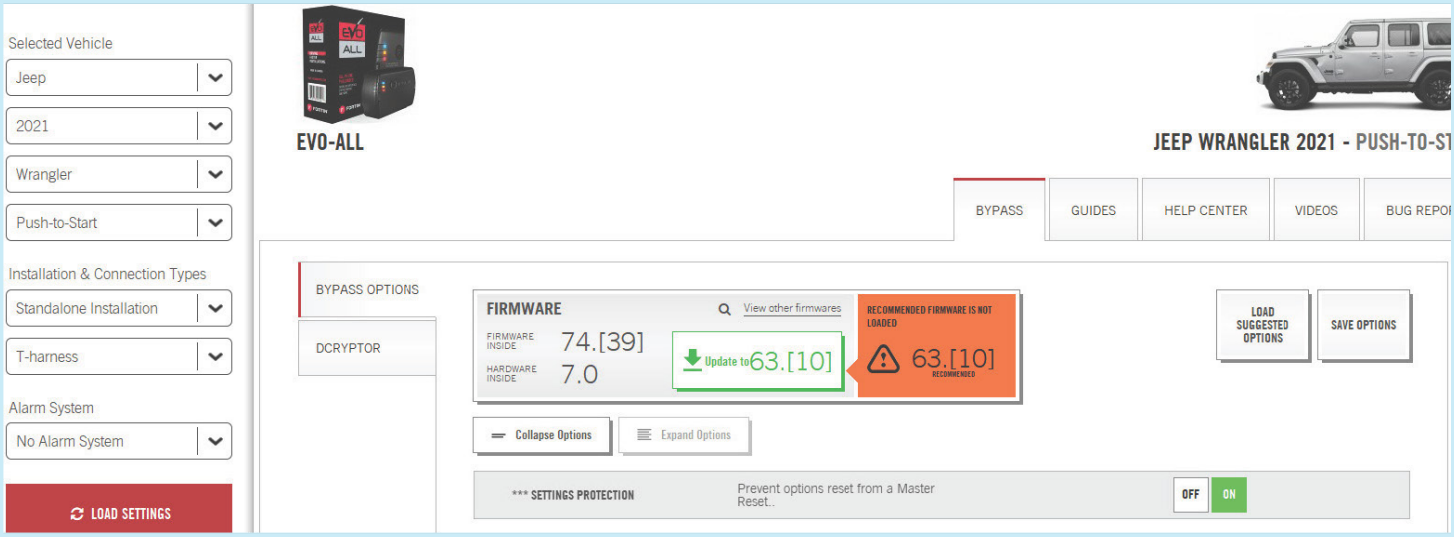
Step 4: Select your Vehicle Type & Firmware

***Note: If you can't change any of the settings, click the gear on the upper right and change the mode type.**

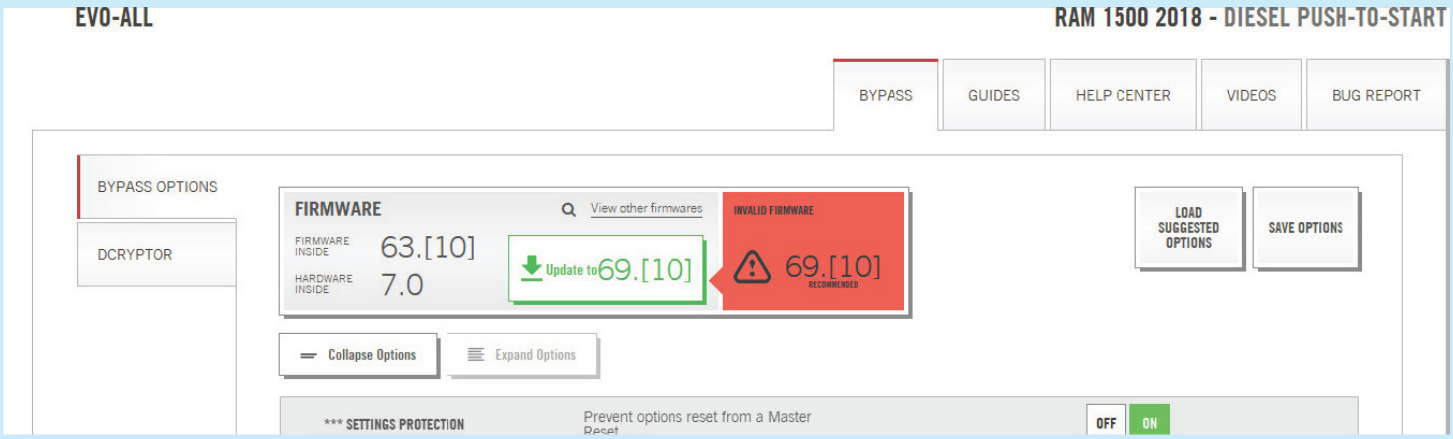
1. Click on the 3 horizontal bars at the upper left corner to select your vehicle information



2. A sub menu will come up with arrow selector tabs, Select your vehicle info in the first 4 tabs, See Note for what the 3 tabs underneath need to be set to.
****CRUCIAL NOTE: Select your vehicle's Make, Year, Model, Key and Fuel Type. In the 3 boxes under that you will see Installation and connection types,**
MAKE SURE you choose: Standalone Installation - T-Harness Connection - & No alarm. Then select LOAD SETTINGS



3. We have loaded the Firmware so you can skip this step as long as the firmware is set to 70.xx. The box in the center of the screen says Firmware under the General tab, if the "update to" firmware number in green doesn't match the "Recommended" Firmware number in orange, you can optionally click on the "update to" green box .



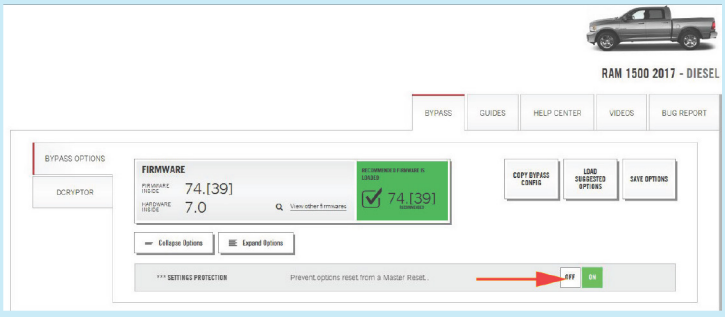
4. **Unplug the module from the Flashlink Updater and Plug it back in again to continue to turn on Diesel setting. Move to Dcryptor programming if you have a Gas Engine.**

STEP 4.1: MAKE YOUR DIESEL SETTING SELECTION.

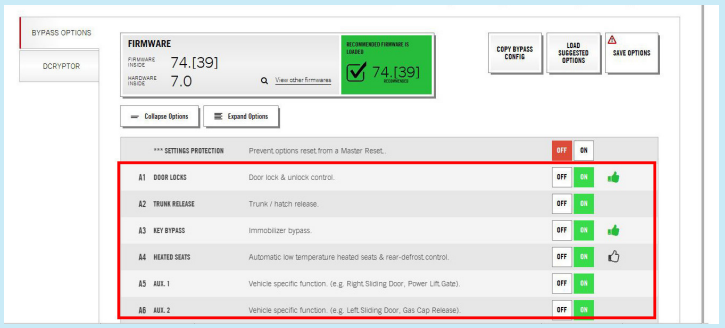
If you have a gas engine you can skip this step, to set a diesel delay, follow the instructions below. Turning on D1.3 to diesel will turn the ignition on with a delay between the time you activate the remote starter and when your truck starts,

Begin by opening the Flashlink Manager application and plugging in the FLL Tool > then the remote start module. It will take the application less than a minute to read the module, then you'll see the screen below.

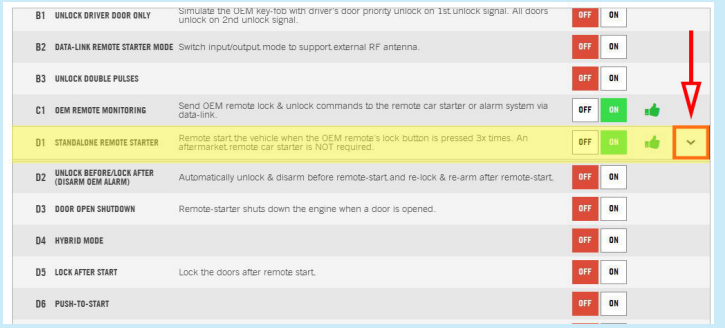
1. Locate the tab labeled **Settings Protection** and turn it off, this will open a hidden options menu.



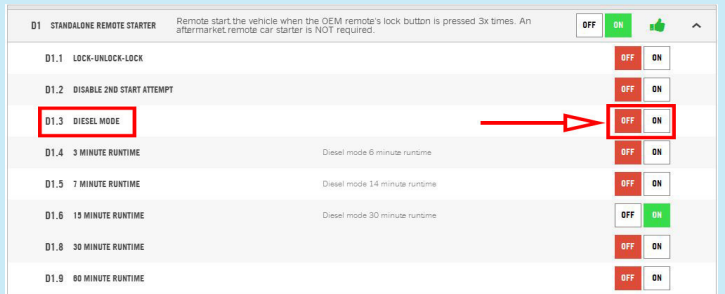
2. The remote start settings options menu will open



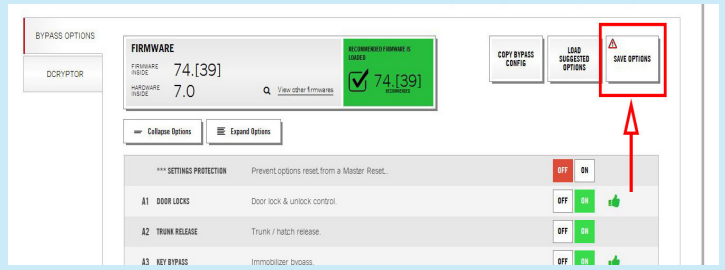
3. Scroll down to the "D" section, then click the downward arrow on the far right side of D1. This opens the "D" sub menu



4. If you have a gas engine and wish to turn off the diesel delay, click the "OFF" button on row , you can change run time settings here also

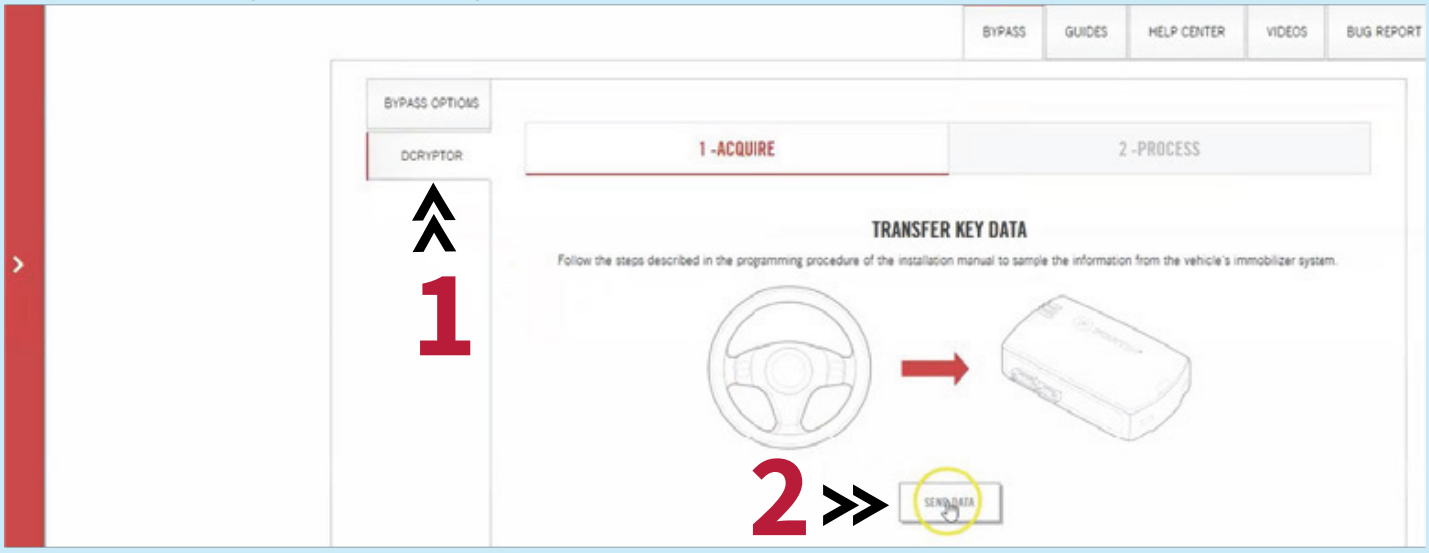


5. Once you have made your settings changes, scroll back to the top and **turn settings protection back ON,** then click the **"Save Settings"** button at the top right of the screen.

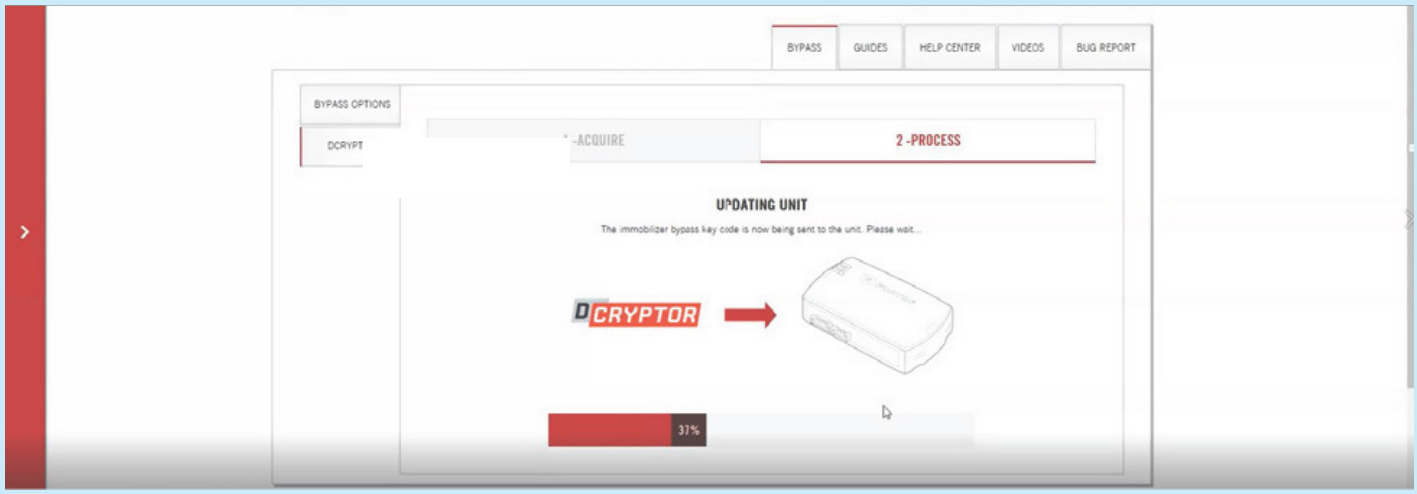


Step 5: Dcryptor Programming.

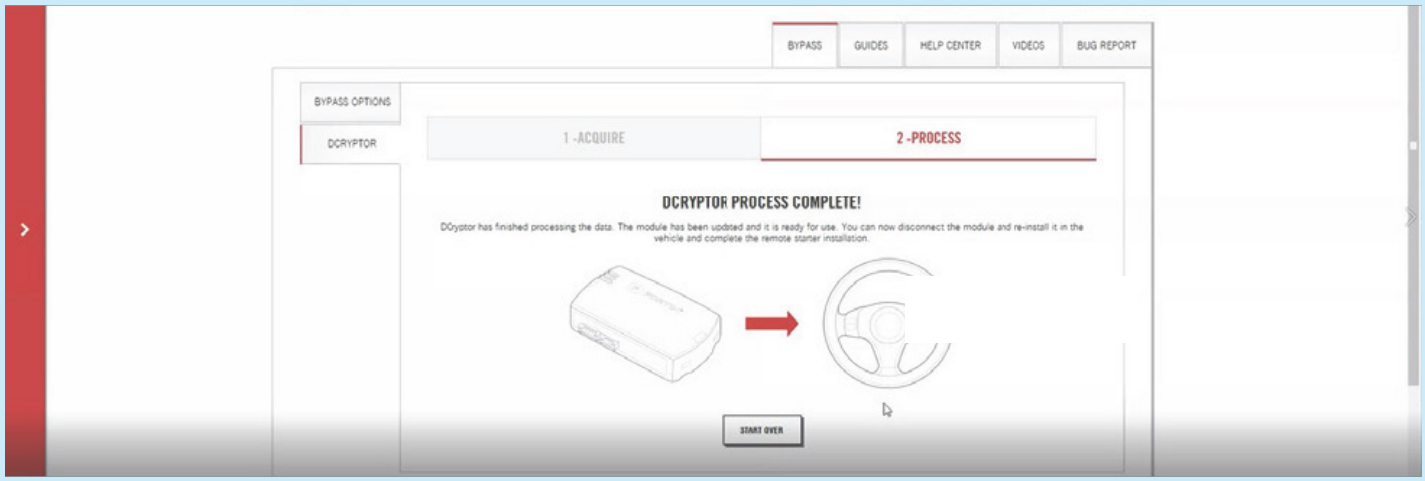
- First, click the Dcryptor under Bypass Options tab. Second click on the Send data tab.



- Wait while the FLL updater reads data from the EVO-ALL. Once it is done it will update the EVO-ALL. You will see a status bar on the screen. When it hits 100%, the Dcryptor process is complete.



- If the Dcryptor process completed successfully, you'll see a "Complete" message on your screen.



- You can now unplug the remote starter module and plug it back into the connectors in your vehicle.

NOTE: Make sure to plug in the power connector first and then the rest of the plugs afterward.

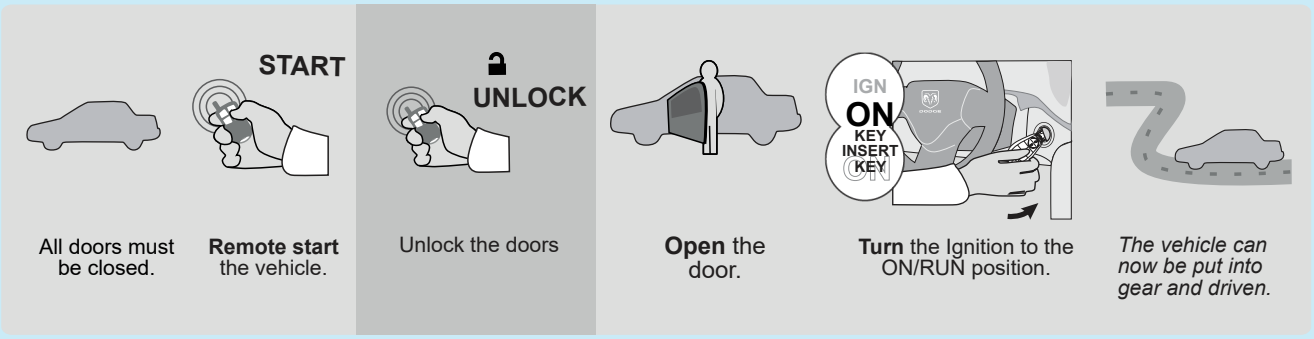
Do not hold the program button down when you plug the connectors back in.

Step 6: Test the System.

If your module programmed correctly, the blue LED on the EVOALL should flash when you press lock.

1. Press **LOCK>UNLOCK>LOCK** on your OEM fob three times in succession, with each press 1 second apart. The vehicle ignition/accessory circuits will turn on after a few seconds. Another few seconds later the starter motor will engage. You will see the Blue light on the remote start module flash every time you press the Lock/Unlock buttons.
2. Step on the brake pedal to stop the engine.

Functionality: Key-Start Vehicles



All doors must be closed. | **Remote start** the vehicle. | Unlock the doors | **Open** the door. | **Turn** the Ignition to the ON/RUN position. | *The vehicle can now be put into gear and driven.*

Functionality: Push-To-Start Vehicles



All doors must be closed. | **Remote start** the vehicle. | **Unlock** the doors with either: The OEM remote or the proximity remote | **Enter** the vehicle with the Intelligent Key | The vehicle can now be put into gear and driven.



NOTE:

If the vehicle is not unlocked the module will shut down the remote-starter and the vehicle as soon as any door is opened.

Step 7: Finishing up.

After confirming that everything works properly, cap off or tape the ends of any wires you're not using to avoid grounding or other contacts.

- Now gather up all the wiring and neatly bundle it together using zip ties or electrical tape to prevent the wires from interfering with any of the moving parts under the dash.
- Test the system often when you are putting your vehicle back together.
- Find a secure place to put the remote start module and use zip ties to secure it. Be careful not to zip tie near your connections as it may create a bad connection.
- Replace any interior vehicle panels that were removed to gain access to the needed wires, in reverse order that they were removed.
- Test the system as you reinstall the panels in your vehicle to make sure you do not pull something loose or pinch a wire. Be careful not to run a screw through a wire or pinch a wire while reinstalling panels.

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

Or Email: info@kleinn.com

520.579.1531

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