Installation Guide

2018-2025 Jeep Wrangler JL/JLU & 2020-2025 Jeep Gladiator JT - With or Without OEM Keyless Entry*

Kleinn SKU # - RSJL2LR1

Jeep (Push-to-Start)								
Wrangler JL/JLU	18	19	20	21	22	23	24	25
Wrangler 4XE Hybrid				21	22	23	24	
Gladiator JT			20	21	22	23	24	25

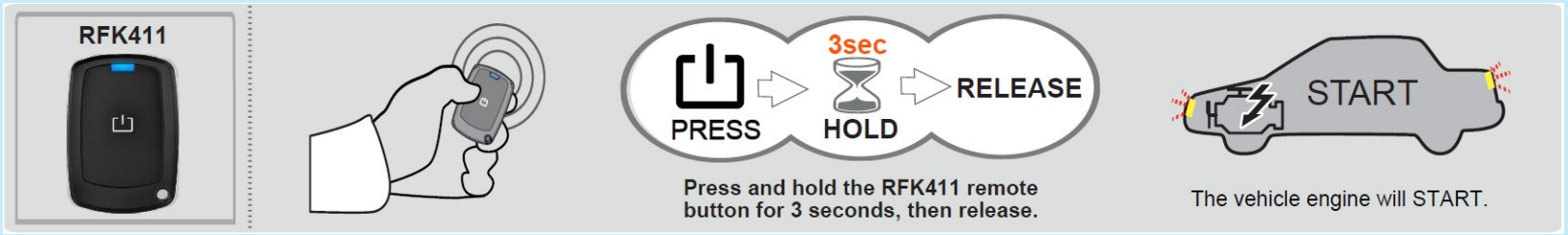
**For Automatic Transmission Vehicles Only*

Introduction:

- This remote start will monitor the vehicle lock circuit and use the pulses generated by your OEM remote to start the vehicle. If not equipped with keyless entry, the 1 Button Remote will activate the remote starter.
- This is a pre-wired, plug and play kit and all the required connections have been made within the harness.
- We have already loaded the correct firmware into the remote start module. You will need to pair the module to your key when the installation is complete. Instructions for programming are in Step 3.

Activation:

Press Lock>Unlock>Lock on your OEM remote OR the HOLD the Button for 3 seconds to remote start.



Press and hold the RFK411 remote button for 3 seconds, then release.

The vehicle engine will START.

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

[Click here to shop upgrades]

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 a different browser (Edge, Chrome, Firefox, etc.) to view the latest update.

Document Service Number. Take a picture of the metallic sticker on the back of the EVO-ALL that starts with 001A07 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.



Parts Required:

- **EVO-ALL Module** - (Flash 63.xx/D1-D1.6-D1.1-D2-D6-H2)
- **THAR-CHR7A** - PTS T-Harness
- **THAR-CHR7B** - CAN BUS T-Harness
- **FLL** - Flashlink Updater Tool
- **RFKIT1** - Two 1 Button Remote Controllers with Antenna

STEP 1: Preparation

There are 8 basic steps to this remote start installation:

1. INTRODUCTION, PREPARATION. **STEP 1 *PAGES 1-2**

2. MAKE THE T-HARNESS CONNECTION IN THE VEHICLE. **STEPS 2-2.2 *PAGES 3-6**

3. PROGRAM THE REMOTE START MODULE IN THE VEHICLE. **STEP 3 PAGE 7**

4. DOWNLOAD FLASHLINK MANAGER AND LOAD VEHICLE TYPE **STEP 4-4.2 PAGES 8-10**

5. RUN DCRYPOTOR PROGRAMMING **STEP 5 PAGE 11**

6. MOUNT THE ANTENNA AND PROGRAM THE REMOTES. **STEP 6-6.1 PAGES 12-13**

7. TESTING AND FINISHING UP. **STEP 7-8 PAGES 14-15**

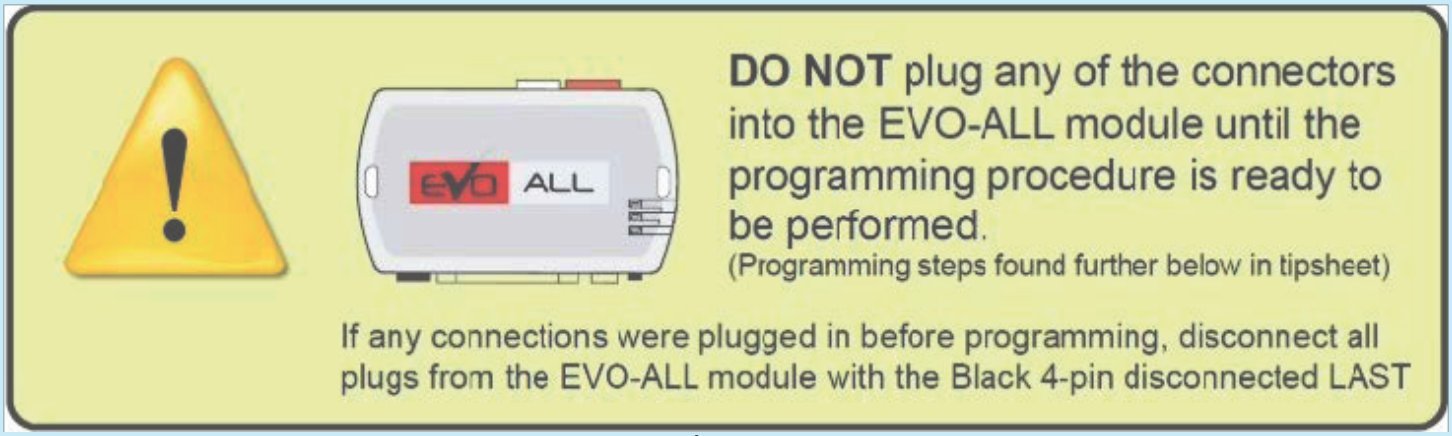
Remove the plastic shroud below the steering wheel in the vehicle. This will allow access to the under dash driver's side location of the vehicle. The remote start brain will be mounted in this location. Before you start wiring, look for a place under the dash where there's some open space that will 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.

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. NOT RECOMMENDED UNLESS YOU ARE CONFIDENT MAKING THIS CONNECTION

On vehicles that do not have keyless entry, you need to trick the vehicle into thinking the doors unlock in order to enter the Jeep when it is running on the remote starter to get in and drive. This is accomplished by pressing the 1 button remote 2 times before entering the vehicle, that unlock signal will alert the vehicle's BCM to recognize the OEM key signal, if you don't press unlock (2 presses), it will turn off when you open the door. After Unlock, Enter the Jeep with the OEM key and push the brake, you can then drive the vehicle.

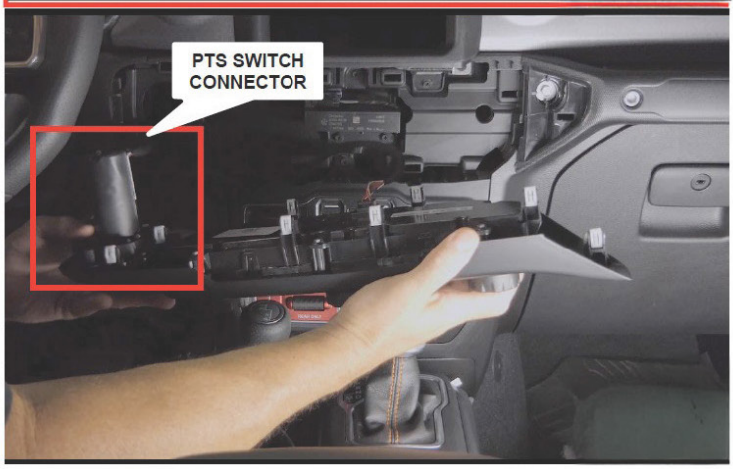


Where to make connections.

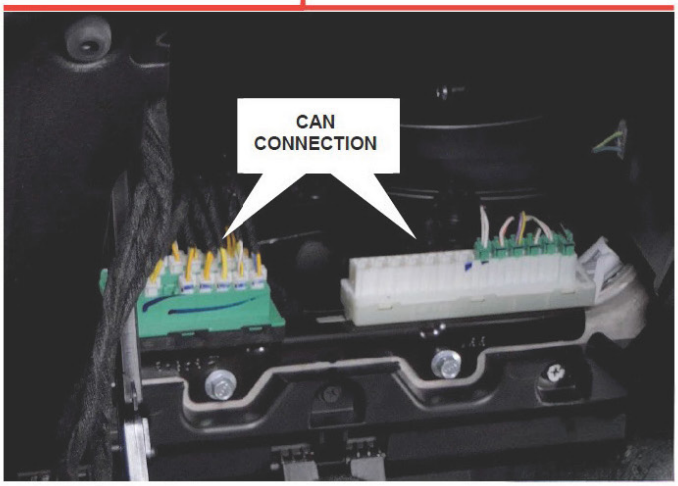


① PTS SWITCH CONNECTOR





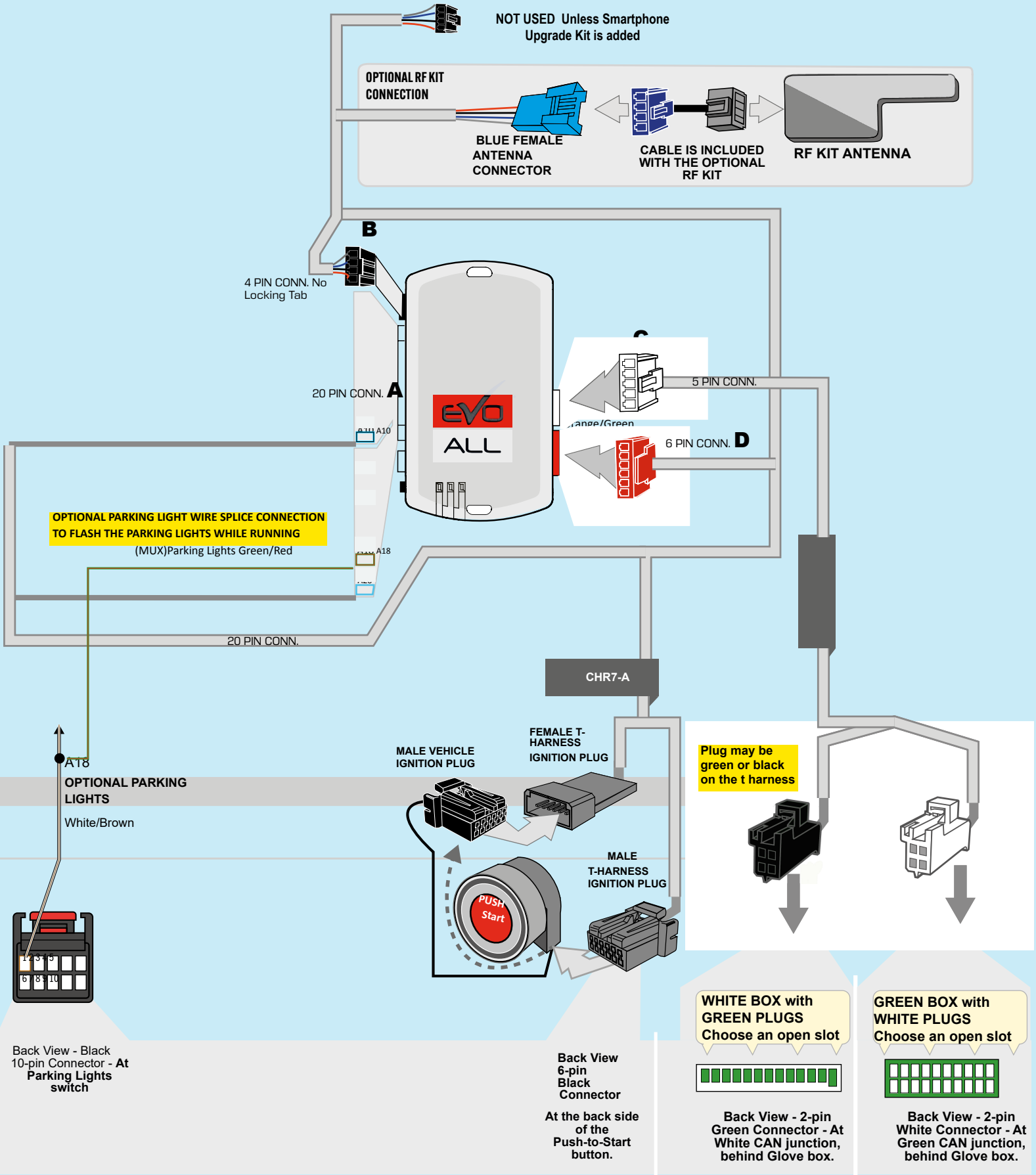
② CAN CONNECTOR
at Glove Box





Step 2: Make the Connections

System Wiring Diagram

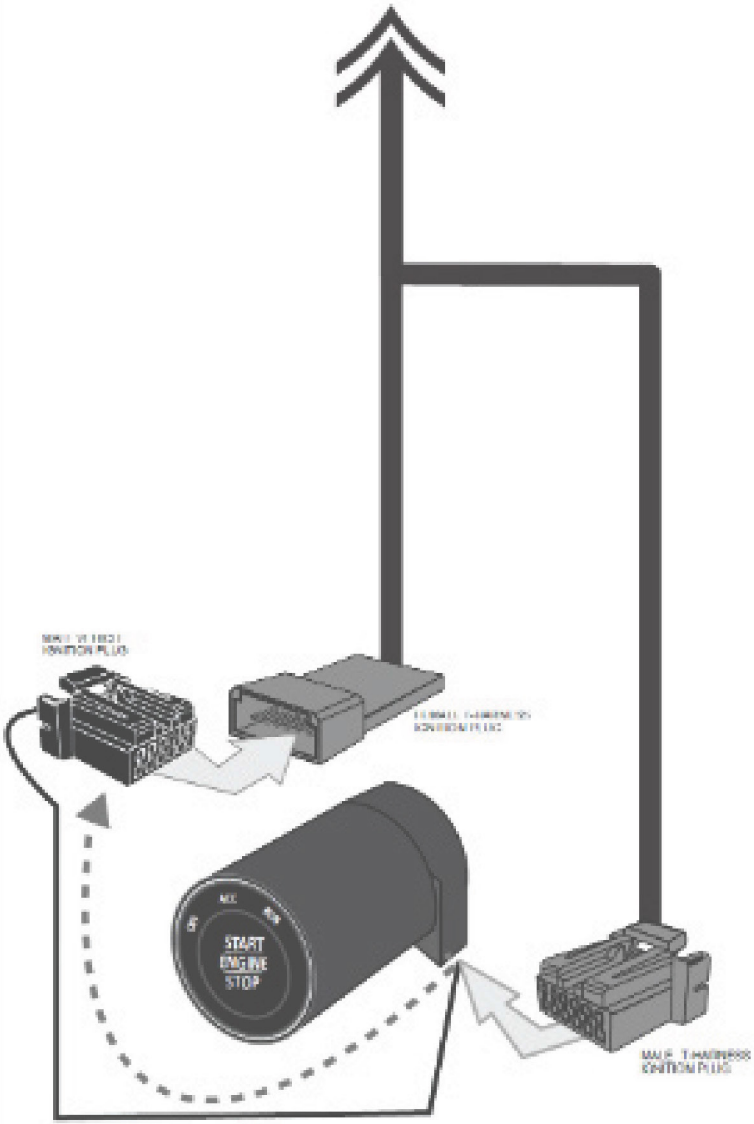


STEP 2.1: Connection the Ignition CHR7A T-Harness

CONNECTING THE T-HARNESS

1. Remove the center dash panel. Locate the Black 6-pin connector at the back of the Push to Start button. (see photos)

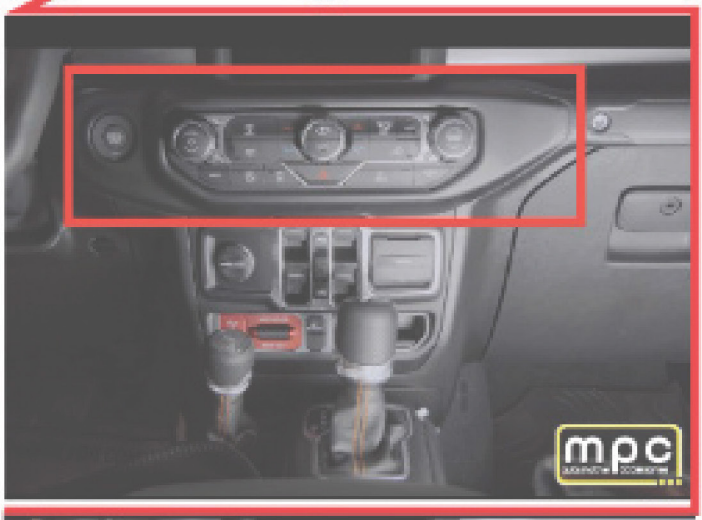
2. Unplug the #1 Black 6-pin connector from the back of PTS button. Plug in the male 6-pin Black plug from the T-Harness into the female 6-pin port. Plug the female 6-pin plug from the T-Harness into the Factory 6-pin male connector. Make sure it snaps into place.

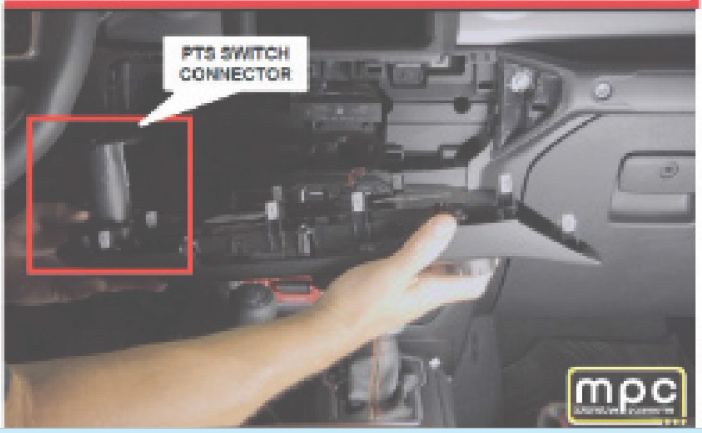


① Black 6-Pin connector, **At Push to Start Button**



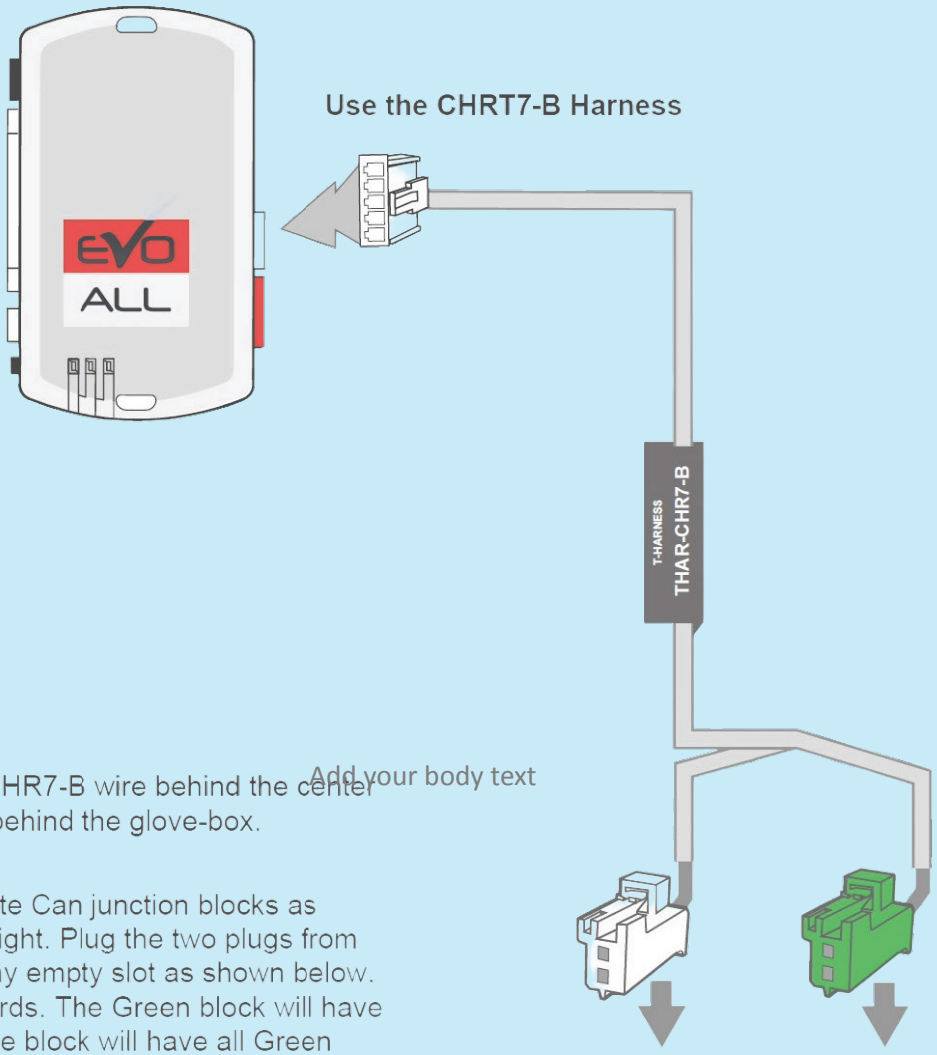
① **At Push to Start Button**





STEP 2.2: Connection the CHR7B T-Harness

REMOVE THE GLOVE BOX DOOR TO GAIN ACCESS TO THE GREEN AND WHITE CAN JUNCTION STRIPS. CONNECT THE THAR-CHR7B T-HARNESS AS SHOWN BELOW.



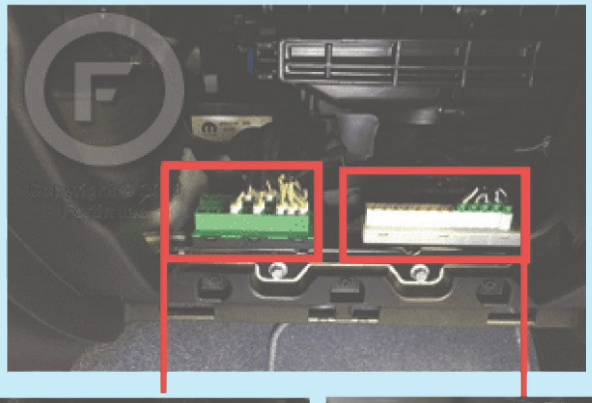
You will need to run the CHR7-B wire behind the center console over to the area behind the glove-box.

Add your body text

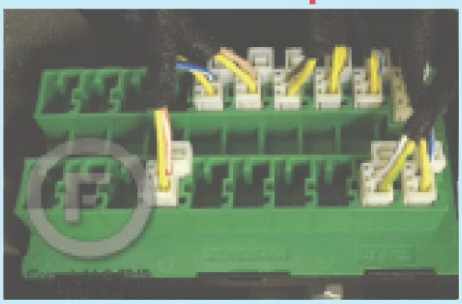
You will see Green and White Can junction blocks as shown in the picture to the right. Plug the two plugs from the CHR7-B harness into any empty slot as shown below. Do not plug them in backwards. The Green block will have all White plugs and the White block will have all Green plugs.

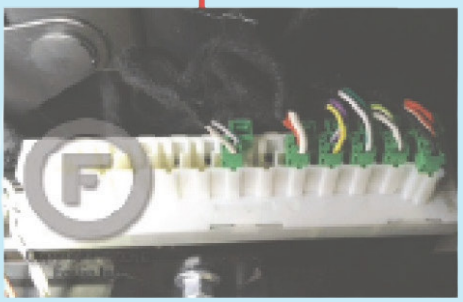
Plug the Green plug from the CHR7-B harness into any empty slot on the White CAN junction block in the vehicle, along with all the green plugs.

Plug the White plug from the CHR7-B harness into any empty slot on the Green CAN junction block in the vehicle, along with all the white plugs.



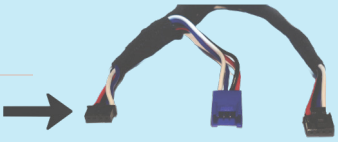




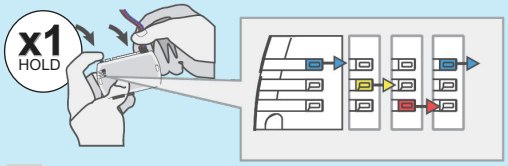


STEP 3: Programming

- 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.



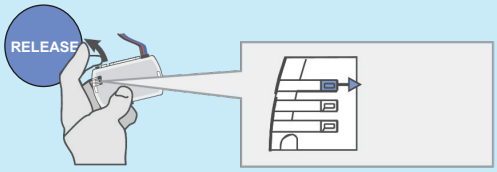
1



Press and HOLD the programming button:
WHILE HOLDING THE BUTTON DOWN>
Insert the 4-Pin Black (Data-Link) connector.

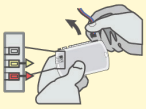
- *The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.*

2

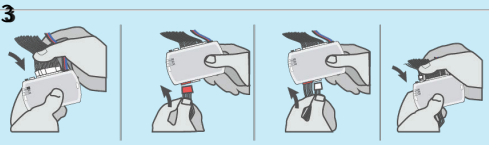


Release the programming button when the LED is BLUE.
(It will remain blue until step 5)

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

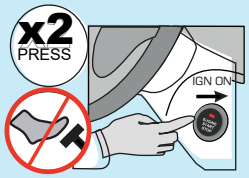


3



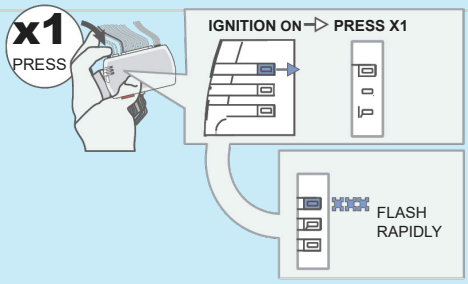
Insert the required remaining connectors.

4



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

5

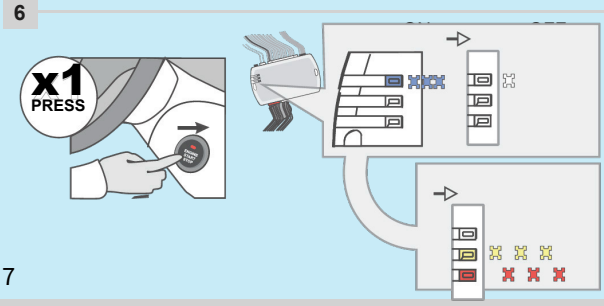


Press and release the programming button once (1x). •

*The BLUE LED **will turn off.***
WAIT

↳ The BLUE LED **will flash rapidly.**

6

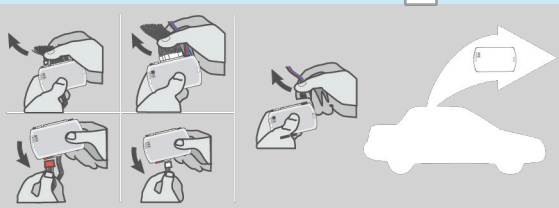


Press the START/STOP button once to turn OFF the ignition.

- *The BLUE LED will turn off.* •

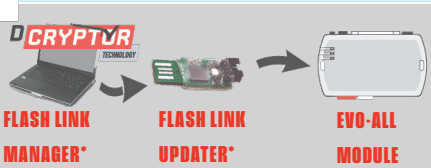
*The **RED and YELLOW LEDs** will alternate.*
Next steps require Dcryptor programming,
Unplug everything from the module making sure to unplug the 4 pin black connector last.

7



Now that you have the lights indicated in the last step, the Dcryptor portion of the programming needs to be done to interpret the key code in the vehicle. Unplug all the connectors from the EVO ALL Be sure to unplug the black connector last.

8



Microsoft Windows Computer with USB & Internet connection REQUIRED FOR THE DCRYPTOR STEPS

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.

Step 4: Download Flashlink Manager and Save to your Computer Desktop.

We have preloaded the correct firmware and settings to make your system work, but the type of anti-theft system in your vehicle requires a final "DCRYPTOR" programming process that can only be done after the installation is complete and the EVO has read your key code. You will need to download and install a program to do this. The flashlink manager software requires a Windows computer with internet access, a USB port for the FLL tool, and the log in credentials to flash.

The Flashlink Manager requires a WINDOWS PC with internet access, a USB port and (FLL) updater.

Click the link below or copy and paste it into your browser.

https://fortin.ca/en/support/flashlinkmanager/

Log in using the credentials provided below

Use this Username: flash@kleinn.com

Use this Password: Flash2020

PLEASE DO NOT click on "Reset your password" if your login fails. This will cause our universal login to get deleted causing issues for anyone else using the login. If your login fails, it's usually due to incorrect digits being typed in. Re-type them exactly as shown above for the email/username and password Making sure you capitalize the "F" in the password.)

- First, plug the Flash Link Lite (FLL) tool into your Windows computer's USB port. The light on the (FLL) updater will turn solid red after it flashes a bit. You should then see a message that says "Module not detected". When you see that, plug the EVO ALL Into the FLL tool using the supplied 4 pin cable.
- It is important to connect the Flash Link Lite (FLL) tool and the EVO-ALL module to the computer in the order outlined below.

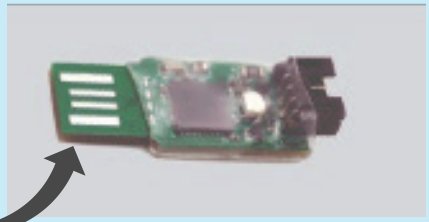
**Note: You may see a message pop up asking you to update the FLL, do not click on it! The Flashlink updater tool does not need to be updated.



Windows Computer with Internet connection



Plug this end of the (FLL) programming tool directly into the USB port on the PC



(FLL) Updater Tool





EVO-ALL

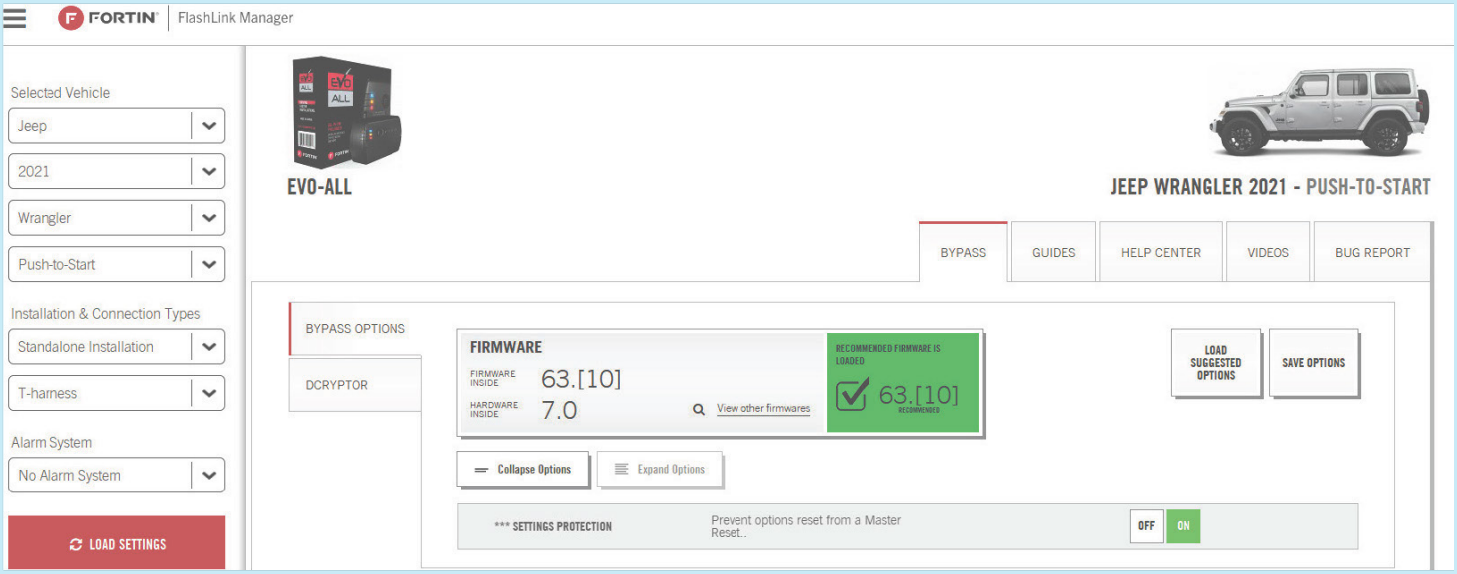
Note: If the Red LED on the EVO-ALL does not light up when you plug it into the FLL while it's connected to the PC, or if the EVO-ALL is not detected, or if all three lights flash at once, unplug just the EVO-ALL module from the FLL tool, wait a second, and plug it back in, it may take a few times of trying that before it loads completely.

Step 4.1: Flash Vehicle Info (Optional Step Module is Flashed for JL/JLU/JT Gas)

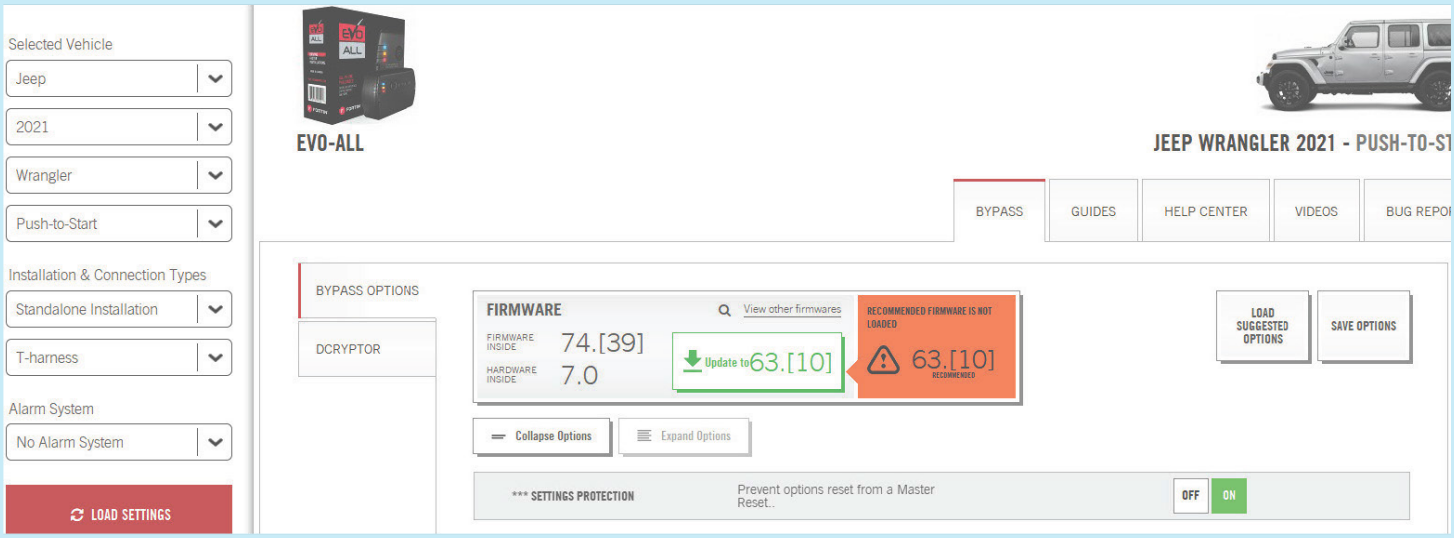
***Note:** If you can't change any of the settings, click the gear on the upper right and change the mode type.*

To Flash your specific vehicle information to the module, proceed with directions shown below. We have Pre-loaded Gas Engine JT/JL/JLU, unless you have a different vehicle, move on to dcryptor programming in step 5 and skip this step.

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 Below for details on what those boxes MUST be set to.**
   ****IMPORTANT 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. **After you've loaded settings, Move onto Step 5 Dcrytor programming unless you need to change your diesel setting.**
4. **Unplug the module from the Flashlink Updater and Plug it back in again to continue to verify your Diesel setting. Continue to the next page for Diesel Delay.**

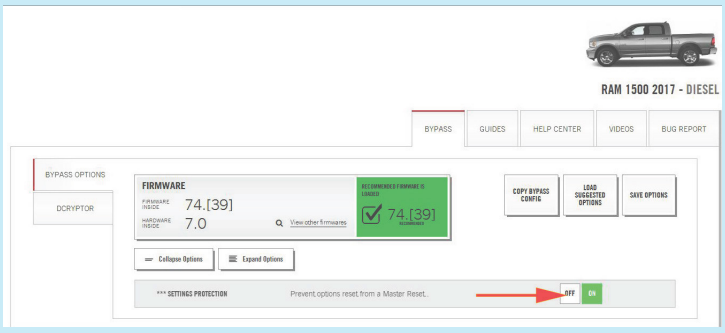
Step 4.2:Make Your Diesel Setting Selection (Only if Diesel Delay is wanted)

This module is preloaded for Diesel OFF, skip this step if you have a gas engine.

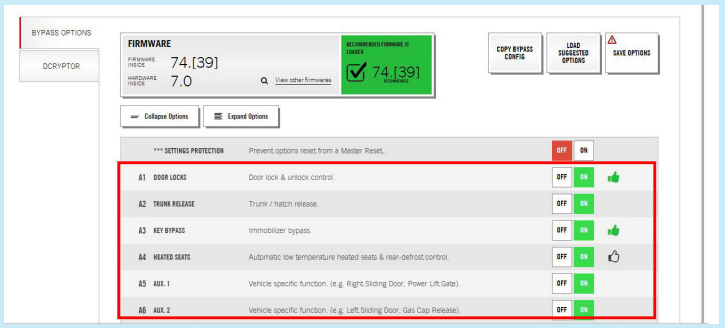
Turning the Diesel Delay on will add a 20-second delay between the time you activate the remote starter. Begin by opening the Flashlink Manager application and plugging in the FLL Tool then the remote start module. It will take the application less than a minute to read the module, then you'll see the screen below.

To access the settings screen, click on the settings protection tab shown below to open the submenu of settings. Then follow the steps to turn D1.3 off.
Before you save the options, you must first turn settings protection back on, if you save prior, go back and turn the settings protection off, then click save options.

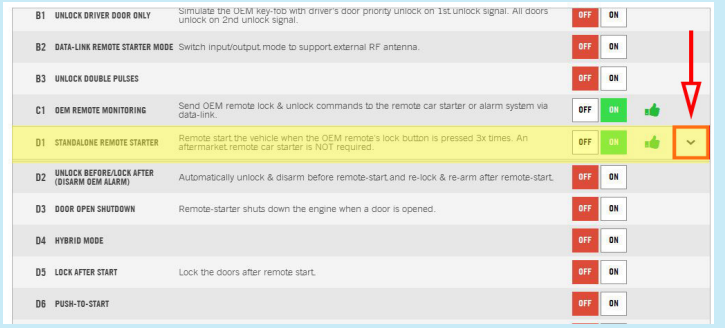
1. Locate the tab labeled **Settings Protection** and turn it off, this will open a hidden options menu.



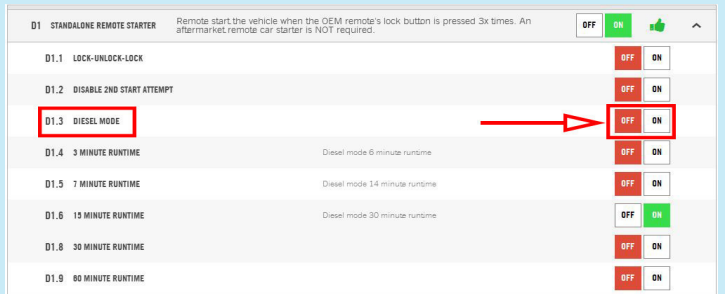
2. The remote start settings options menu will open



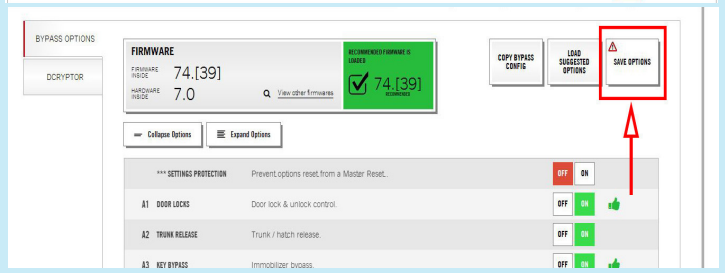
3. Scroll down to the "D" section, then click the downward arrow on the far right side of D1. This opens the "D" sub menu



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



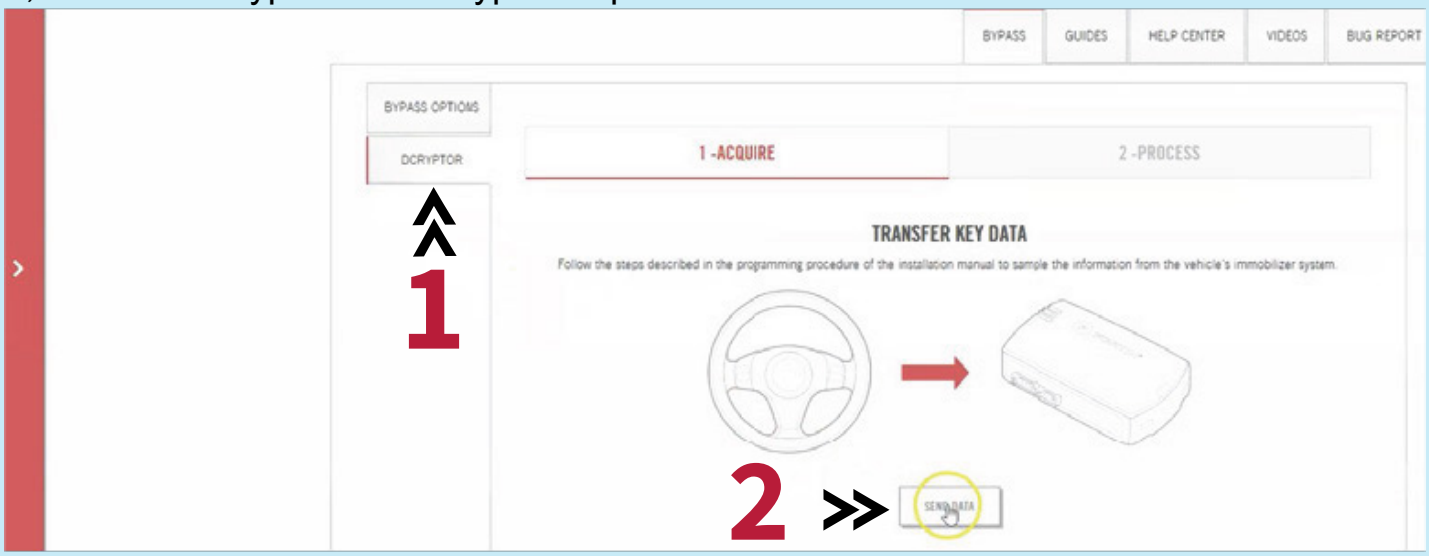
5. Once you have made your settings changes, scroll back to the top and **turn settings protection back ON,** then click the **"Save Settings"** button at the top right of the screen.



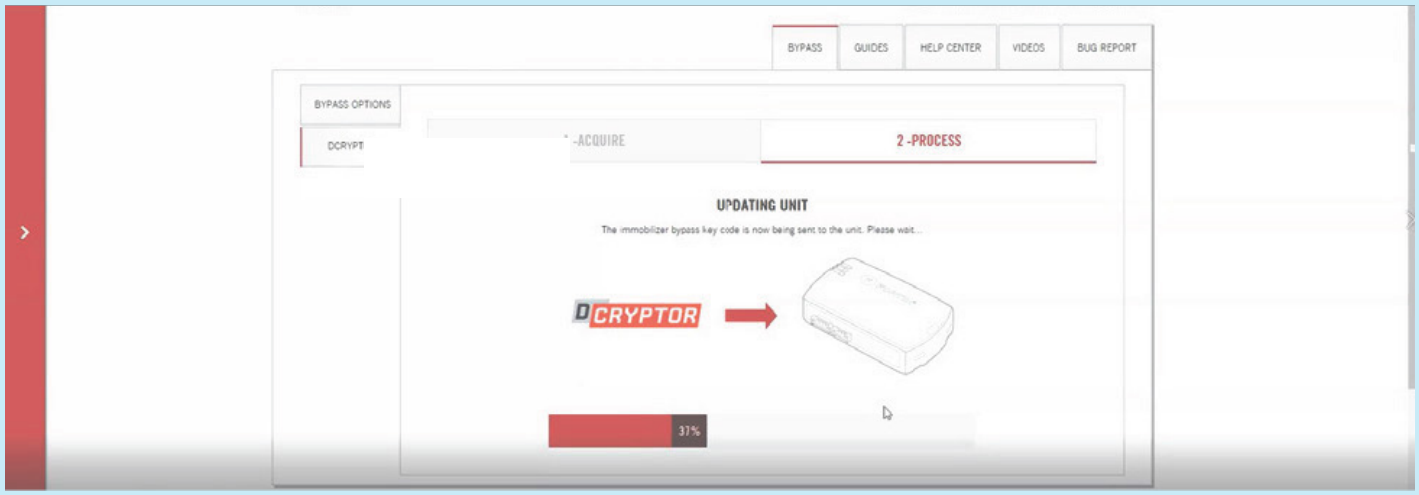
6. Unplug the module and proceed with making your wiring connections in the vehicle.

Step 5: Dcryptor Programming.

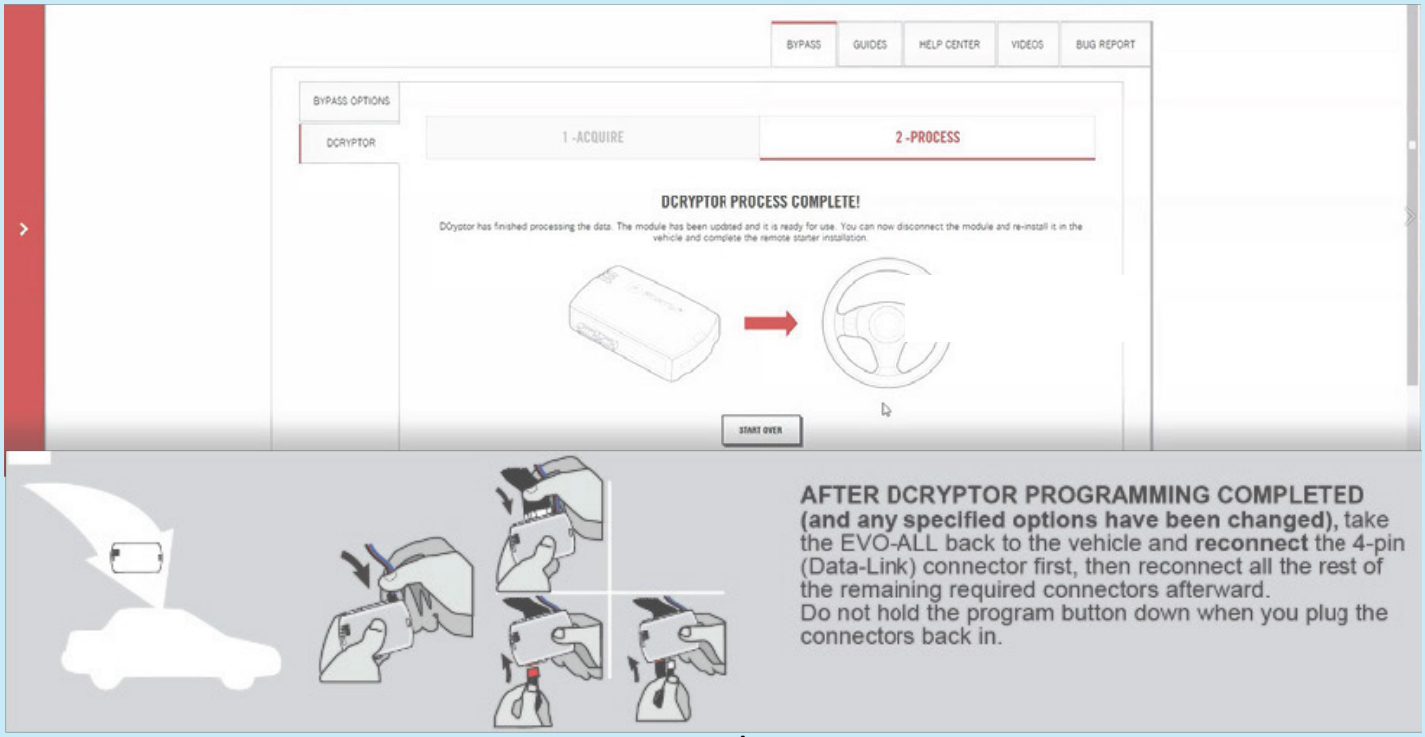
- First, click the Dcryptor under Bypass Options tab. Second click on the Send data tab.



- 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.

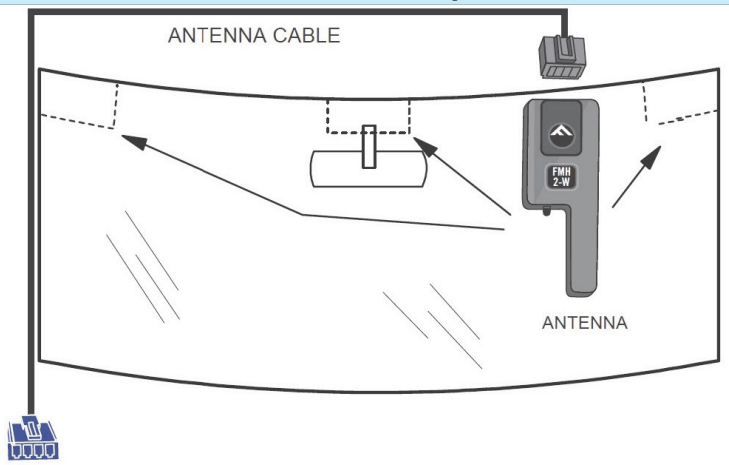


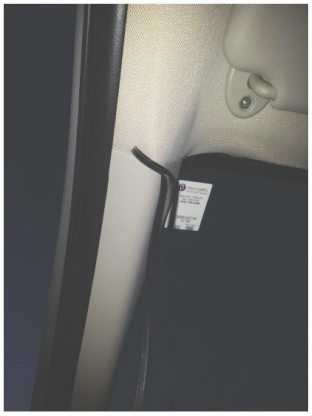
- If the Dcryptor process completed successfully, you'll see a "Complete" message on your screen.



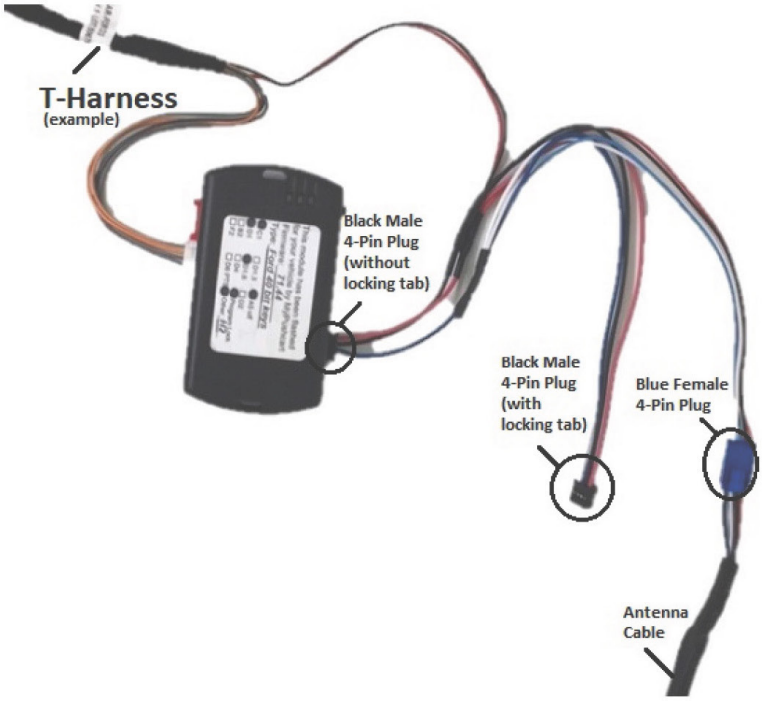
STEP 6: Running the Antenna.

The antenna mast should be mounted at the top of the interior side or center of the windshield.



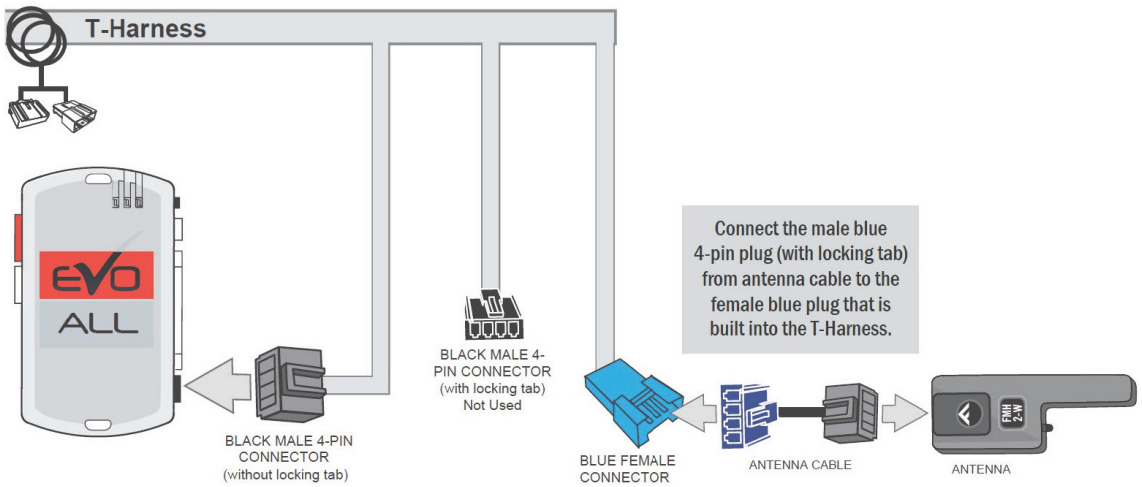


Your T-harness will have a black male 4-pin data link connector (with locking tab) that is not connected to anything, and a black male 4-pin data link connector (without locking tab) that is connected to your EVO-ALL brain. It will also have a blue female 4-pin plug to accept the antenna cable.



Locate the blue female plug that is built into your T-harness, and connect the blue male 4-pin antenna plug to it.

Antenna Wire Diagram:



STEP 6.1: Program Remotes

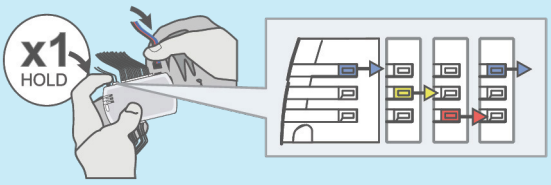
AFTER PROGRAMMING THE MODULE, YOU CAN NOW PROGRAM THE REMOTES. LEAVE EVERYTHING PLUGGED IN AND JUST UNPLUG THE BLACK PLUG FROM THE MODULE TO BEGIN.

1



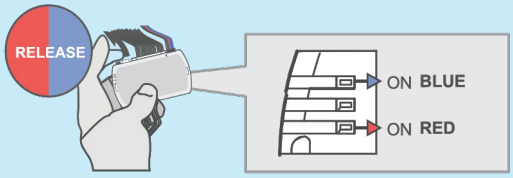
Unplug **ONLY the 4 Pin** (Black) connector from the EVO-ALL module.

2



Press and hold the EVO-ALL's programming button. While holding it: **Reinsert** the 4-Pin (Black) connector.

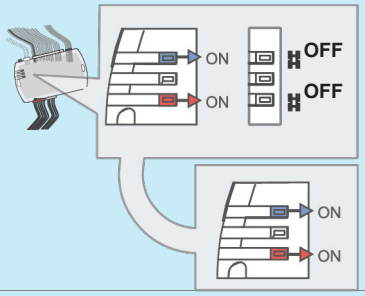
3



Release the programming button when LEDs are **BLUE & RED**.

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

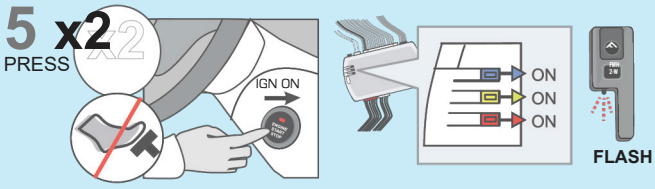
4



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

The Blue and Red LED will turn Off then back On

5



Do not press the brake pedal in this step. **Press the OEM Start/Stop button twice** to turn the ignition to the ON/RUN Position.

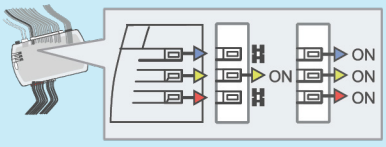
*The Blue, **Yellow,** and Red LEDs will turn On. The antenna will flash rapidly.*

NOTE:
If the yellow doesn't turn on with ignition on, press the module button once and proceed.

6

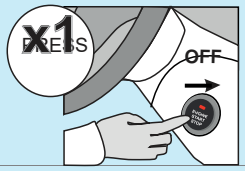


PRESS & HOLD THE REMOTE BUTTON FOR ABOUT 13 SECONDS, **THE REMOTE'S LED WILL FLASH WHILE YOU HOLD IT, HOLD UNTIL THE REMOTE'S LED TURNS OFF AND TURNS BACK ON, THEN RELEASE THE REMOTE'S BUTTON** AND REPEAT ON THE 2nd REMOTE



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

7



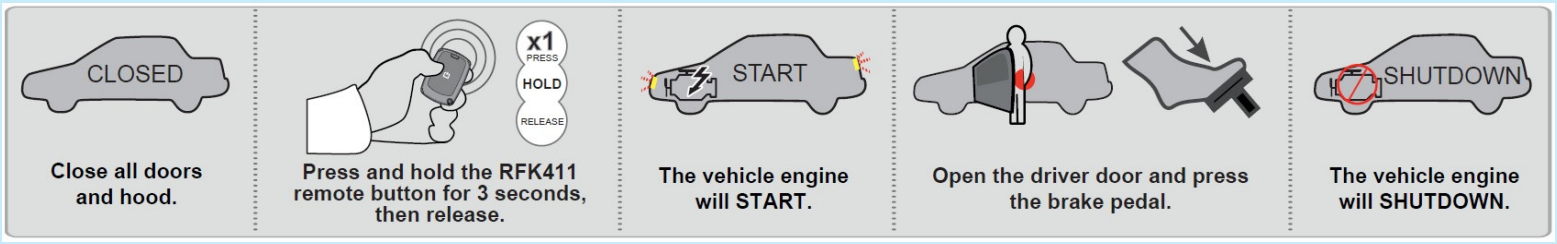
Press the START/STOP button once to turn OFF the ignition.
The remote is now programmed.

Step 7: Test the System

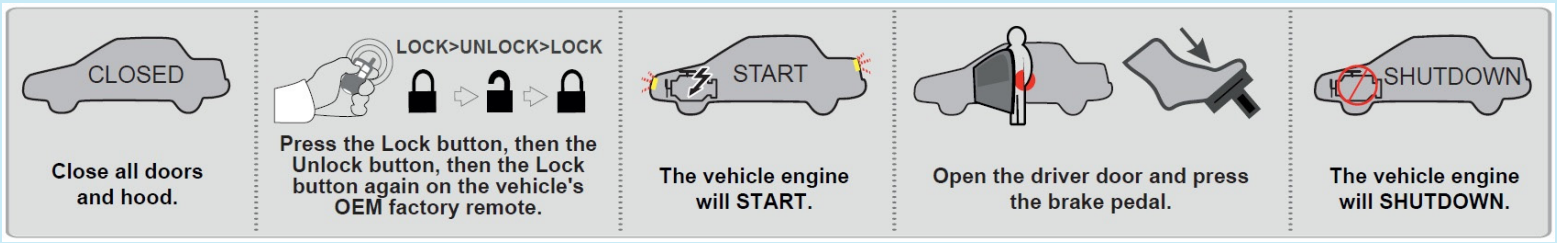
Once all wiring and programming are done, you should test the system to make sure everything is working properly before you finish up the installation.

- Take all vehicle keys with you, and exit the vehicle. Make sure all doors and hood are closed.
- Press the **lock button, then unlock, and then lock again** on the vehicle factory OEM remote three times in succession. Timing is important! Pressing the buttons too fast or too slow will not activate the system. The presses should be about 1 second apart. **Lock 1000 Unlock 1000 Lock**. When you press the buttons you will see the blue LED light up on the EVO-ALL, 1 for lock and 2 for unlock. **NOTE:** If you do not see the blue light when you press the lock button it did not recognize the lock button press. Double check your connections and start the programming from step 1.
- A few seconds later the vehicle gauges should power up. Then a few more seconds later the starter should crank and the engine turn on. Make sure the vehicle stays running at least a couple minutes, and that the climate controls are working. If the optional parking light wire is connected, the parking lights will turn on when the vehicle is remote started as a visual indicator. The engine will remain running for 15 minutes (default) or until it receives signal from a shutdown mechanism.
- Enter the vehicle and step on the brake pedal. Pressing the brake pedal is the shutdown mechanism so make sure it is working. The remote starter can also be shutdown by pressing the lock/unlock/lock button sequence on the factory OEM remote again, or opening the hood.

Enter the vehicle with the OEM Key at least 10' away. Step on the brake pedal to stop the engine.



(OR)



This system can accept up to 4 RF remotes of the same type at a time. Only one controller type may be used by this system at a time. Smartphone control is available by adding part number MOBILE2W, RF remote kits are also available in 1 and 4 button options. RF kits cannot be combined with the Smartphone kit, the module can only accept one upgrade at a time.

The vehicles OEM remotes will activate the remote starter as well as your external remote control. Ask a salesman for details on the available upgrade kits Kleinn offers.

Step 8: Finish 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.

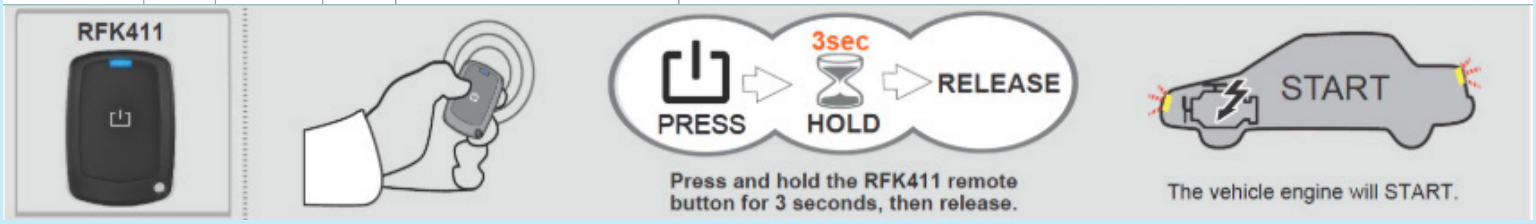
- Now gather up all the wiring and neatly bundle it together using zip ties or electrical tape to prevent the wires from interfering with any of the moving parts under the dash.
- Test the system often when you are putting your vehicle back together.
- Find a secure place to put the remote start module 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.

ACTIVATION: PRESS **LOCK-UNLOCK-LOCK** ON THE OEM REMOTE **IF** EQUIPPED WITH KEYLESS ENTRY.
COUNT 1000 IN BETWEEN PRESSES FOR CORRECT TIMING (OR)
HOLD THE BUTTON ON THE REMOTE DOWN FOR 3 SECONDS WHEN USING AFTERMARKET REMOTES.

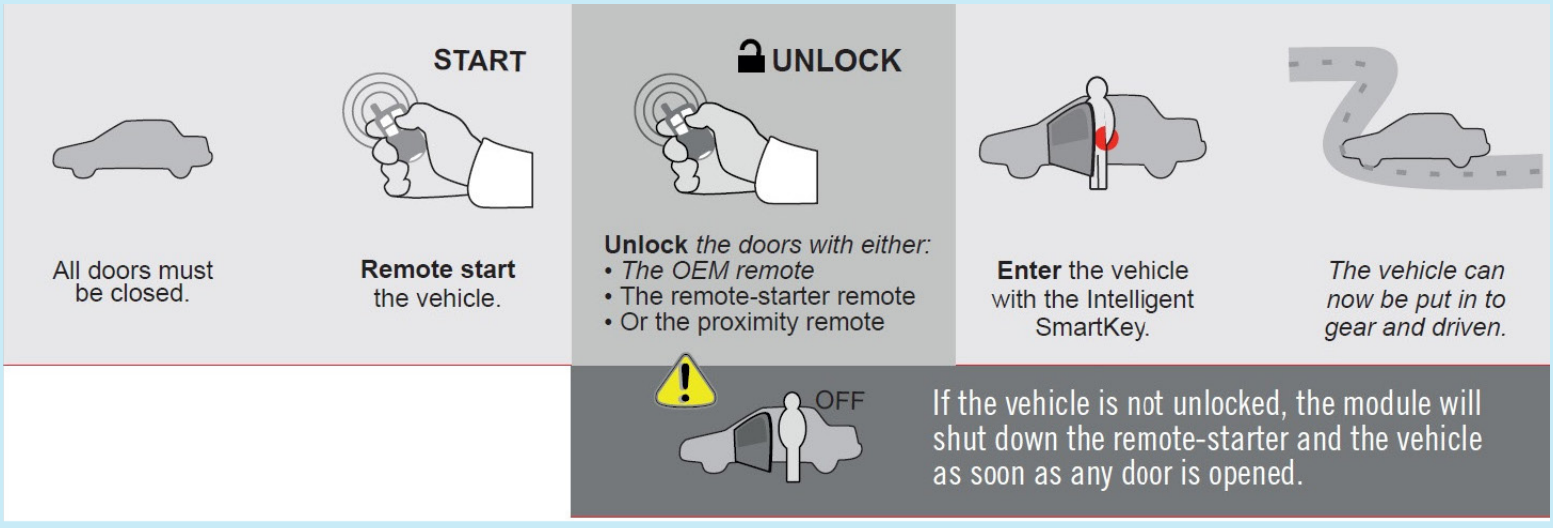
RM411	press	seconds	COMMANDE	DESCRIPTION
	1x	0.5 seconds	LOCK	Press the button 1x (0.5 seconds) : Locks all doors, arm the anti-theft system and activates the Alarm (if installed).
	2x	0.5 seconds	UNLOCK	Press the button 2x (0.5 seconds): Unlocks all doors, disarms the anti-theft system and deactivates 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.

REMOTE-STARTING THE VEHICLE

STEP1		To remote-start the vehicle press the START button for approximately 3 second.
STEP 2		The vehicle ignition will turn on to indicate a response to the Remote-Start signal.
STEP 3		Approximately 5 seconds later the engine will crank. Once the vehicle starts the parking lights will turn on and remain on for the entire duration of the Remote-Starter runtime, or until the Remote-Starter is shut down.



- **JEEPS WITH KEYLESS ENTRY, UNLOCK DOORS, ENTER VEHICLE WITH THE OEM KEY, PRESS THE BRAKE, DRIVE AWAY.**
- **JEEPS WITHOUT OEM KEYLESS ENTRY, UNLOCK BY PRESSING THE 1 BUTTON REMOTE TWICE BEFORE ENTERING A RUNNING VEHICLE, THEN ENTER THE VEHICLE WITH THE OEM KEY FOB AND PRESS THE BRAKE TO DRIVE.**



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

Email: info@kleinn.com

520.579.1531

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