Installation Guide

2007-2018 Jeep Wrangler JK/JKU
With or Without Keyless Entry
KLEINN SKU # - RSJKLR1

Jeep												
Wrangler	07	08	09	10	11	12	13	14	15	16	17	18

Introduction:

**For automatic transmission vehicles only*

- This remote start will monitor the vehicle lock circuit and use the pulses generated by pressing lock 3 times on your OEM remote to start the vehicle. If not equipped with keyless entry,the 1 Button Remote will start it.
- 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 4.1

Activation:

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

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



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

Parts Required:

Click Here for Upgrade Options

- EVO-ALL Module Pre-Flashed
- THAR-CHR5 - T-Harness (Newer models do NOT have the toggle switch on the harness)
- RFKIT1 - 1 Button Remote Control Kit with Antenna.

 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.



Installation Video:

Use this video for reference on location and as an overview while following the install guide. Please give it a like.

https://www.youtube.com/watch?v=V7Wc7NkzA2I&t=235s

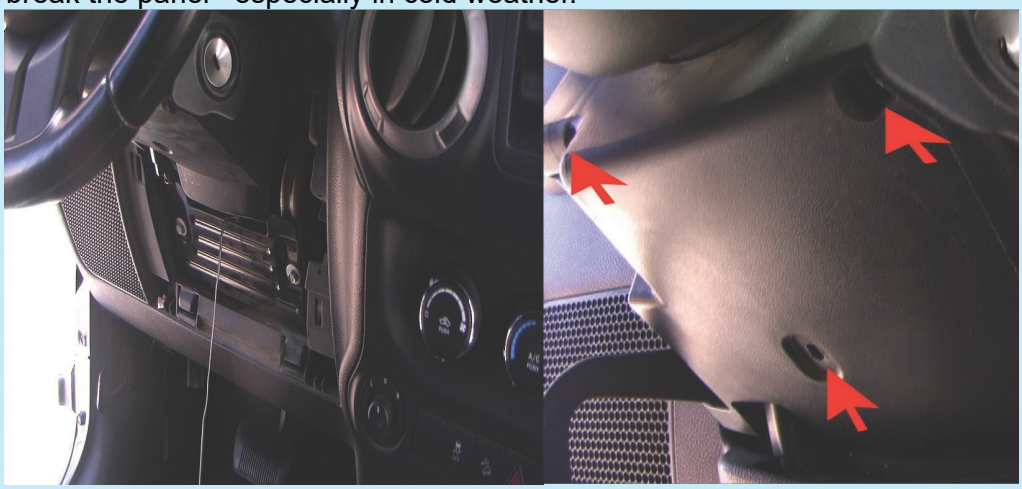
Overview

THERE ARE 6 BASIC STEPS TO THIS REMOTE START INSTALLATION.

1. INTRODUCTION, PREPARATION, REMOVE THE STEERING COLUMN SHROUD. **STEP 1 *PAGES 1-2**
2. MAKE THE T-HARNESS CONNECTION IN THE VEHICLE. **STEPS 2-2.1 *PAGES 3-4**
3. PROGRAM THE REMOTE START MODULE IN THE VEHICLE. **STEP 3 *PAGE 5**
4. MOUNT THE ANTENNA AND PROGRAM THE REMOTES. **STEPS 4-4.1 *PAGES 6-7**
5. TEST THE SYSTEM AND FINISH UP. **STEPS 5-6 *PAGES 8-9**

Step 1.Removing the OEM Steering Column Shroud.

Begin by removing the plastic shroud below the steering wheel and then the plastic around the steering wheel column. Remove the three screws and loosen the tilt lever and pull lower plastic panel down. Be careful not to break the panel –especially in cold weather.



Production Change Mid 2016:

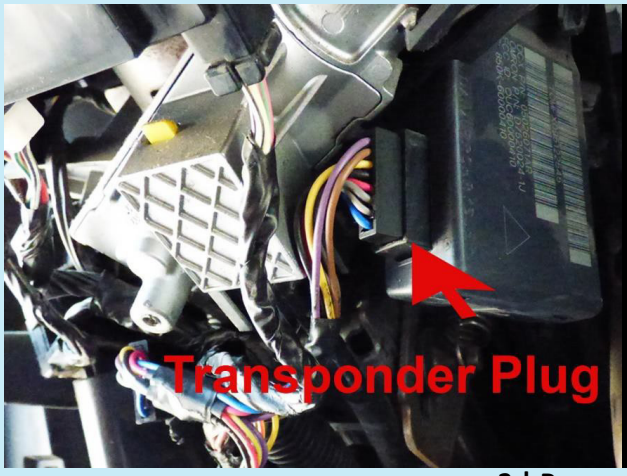
Some 2016 and all 2017+ Jeeps have a lip that goes under the steering wheel. You must push the panel forward to remove it. Use a plastic scraper or pry tool to wedge in between the steering wheel and the steering wheel cover to get the lip around the corner so you can pull it down and remove it without removing the steering wheel. See below.

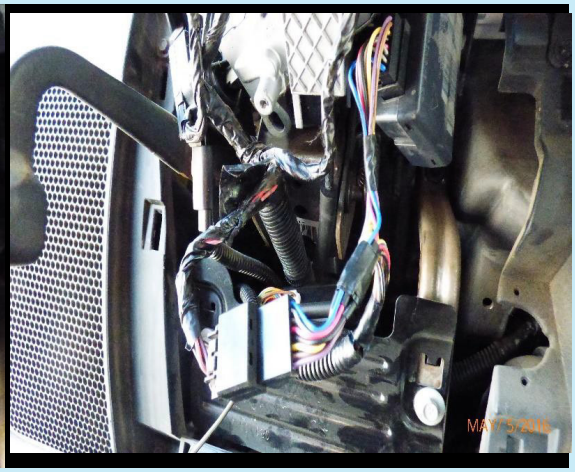


Locate the Ignition Connector

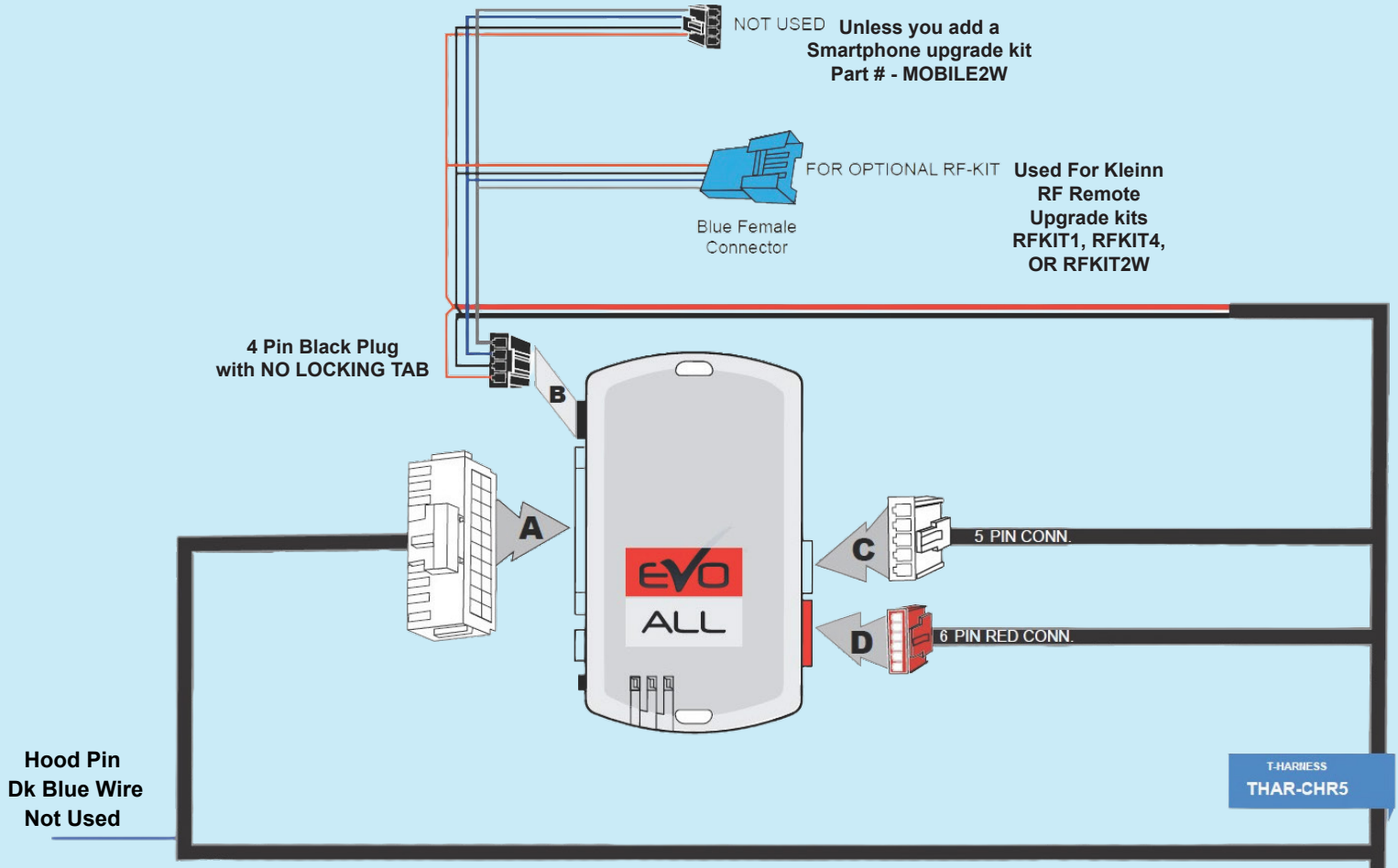
Locate the immobilizer connector at the bottom of the key cylinder (see pictures below). Carefully disconnect the connector and insert the male plug from the T-harness in its place. Then plug the vehicle immobilizer connector in to the T-harness female connector.

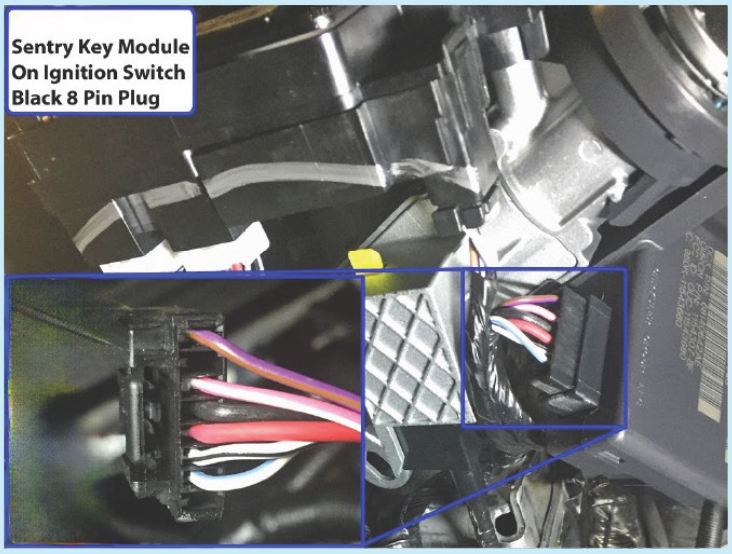
Caution: Be careful when disconnecting the harness from the immobilizer connector in the vehicle. It is very fragile and can break if too much force is used when connecting. Kleinn is not responsible for any damage caused by improper removal of the connector.

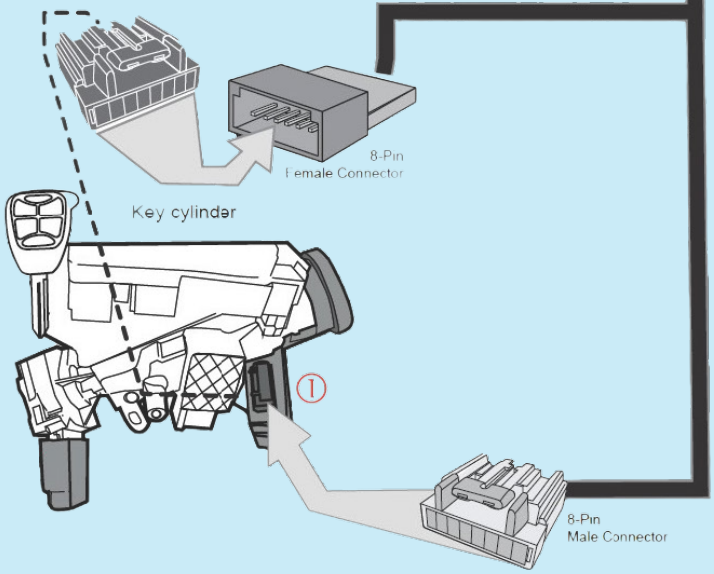


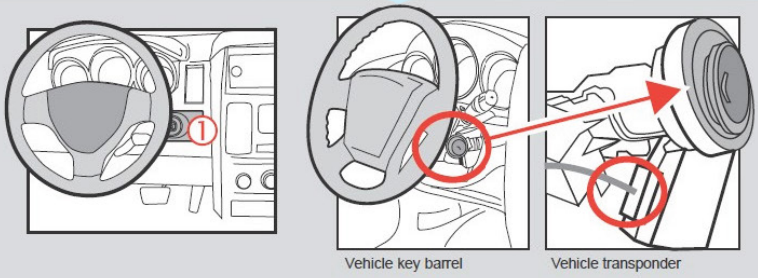


Step 2: System Wiring Diagram







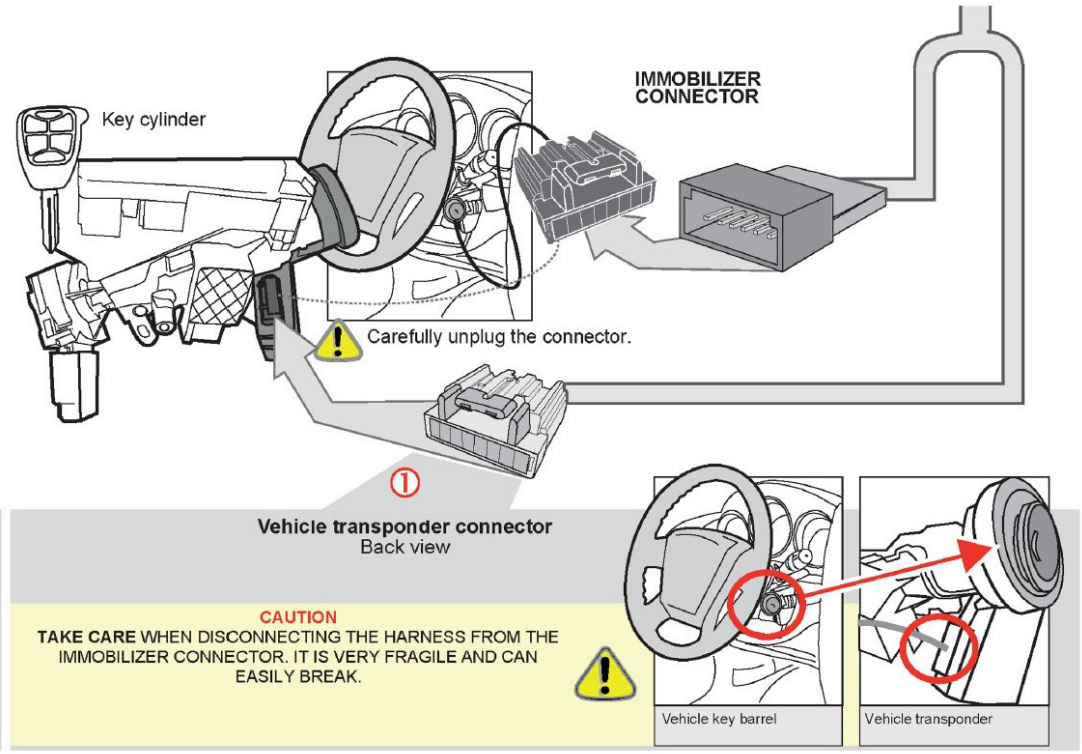


① Vehicle transponder connector
Back view

CAUTION
TAKE CARE WHEN DISCONNECTING THE HARNESS FROM THE IGNITION BARREL. IT IS VERY FRAGILE AND CAN EASILY BREAK.

Step 2.1: Connecting the T-Harness.

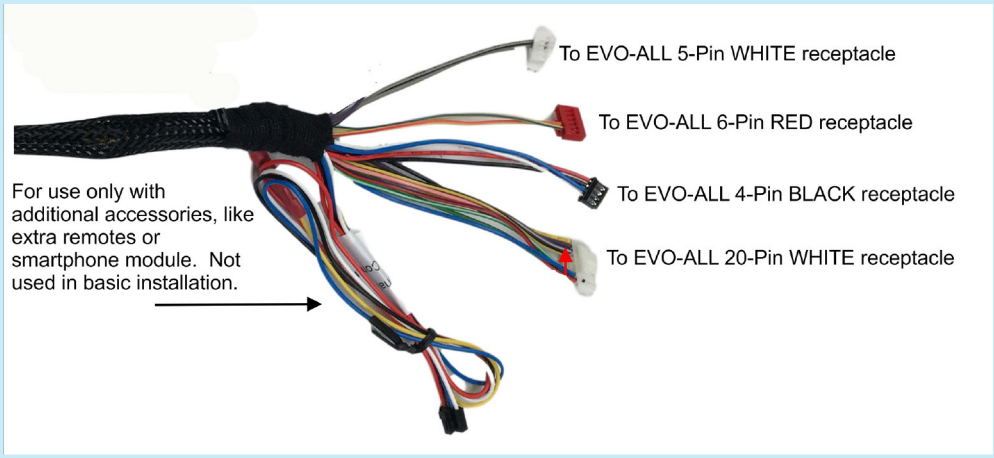
THERE IS 1 CONNECTOR AT THE IGNITION MODULE ON THE KEY BARREL THAT WILL NEED TO BE UNPLUGGED, USE CAUTION WHEN UNPLUGGING AND INSERTING THE NEW PLUG. MAKE SURE ALL CONNECTIONS LOCK IN TIGHT AND NO PINS GET BENT.



NOTE:

Make sure no pins get pushed out of the immobilizer connector. The Immobilizer module is very delicate, there are two thin wires wrapped around inside the transponder ring. If too much pressure is applied, you will break the wire connection and the car will not start with the key anymore until either repair or replacement of the broken module.

THE T-HARNESS WILL HAVE SOME PLUGS ON THE OTHER END. THIS IS IMAGE SHOWS WHAT YOU DO WITH THEM:







DO NOT plug any of the connectors into the EVO-ALL module until the programming procedure is ready to be performed.
(Programming steps found further below in tipsheet)

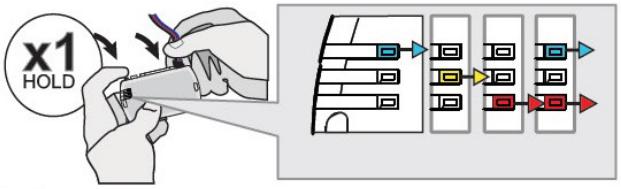
If any connections were plugged in before programming, disconnect all plugs from the EVO-ALL module with the Black 4-pin disconnected LAST

STEP 3: Programming

Once the T-harness has been plugged in to the vehicle, the remote start module is ready to be programmed. Begin with all plugs disconnected from the remote start brain, then perform the programming steps below:

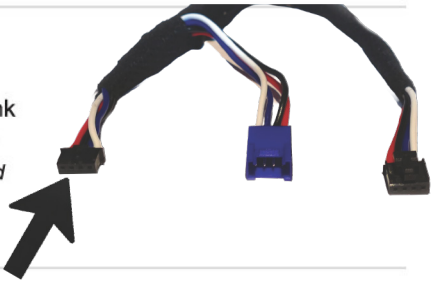
- **While holding the button down on the EVO-ALL (step 1 in the programming instructions), insert the black end of the power cable WITHOUT the locking tab into the EVO-ALL black receptacle.**

1



Press and **hold** the programming button: **Connect** the 4-PIN Data-link harness (Black connector).

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



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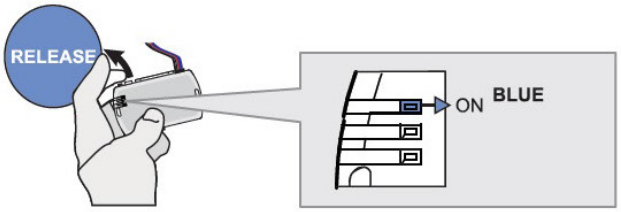
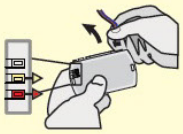


Release the programming button when the LED is BLUE.

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



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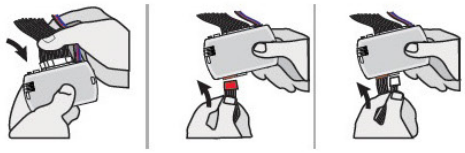
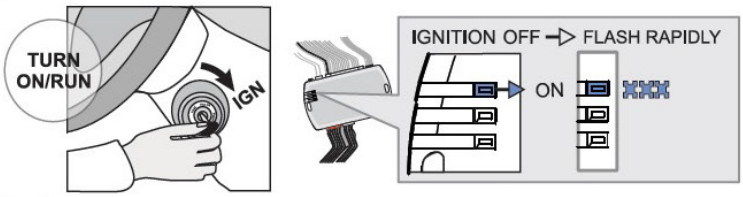


Insert the required remaining connectors.

4 Total- Black 4 pin, White 20 pin, White 5 pin, Red 6 pin.

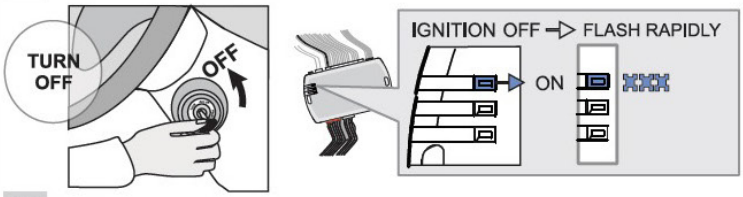
4



Turn the key to the Ignition ON/RUN position.

↳*The BLUE LED will flash rapidly.*

5



Turn the key to the OFF position.

↳*The BLUE LED will flash rapidly.*

6

Jeeps
With OEM remote



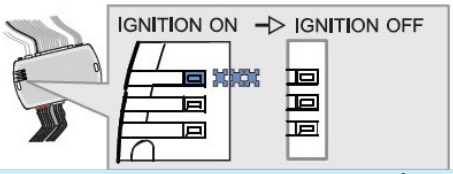
Press the LOCK button on the vehicles OEM remote.

Or

Jeeps
Without OEM remote



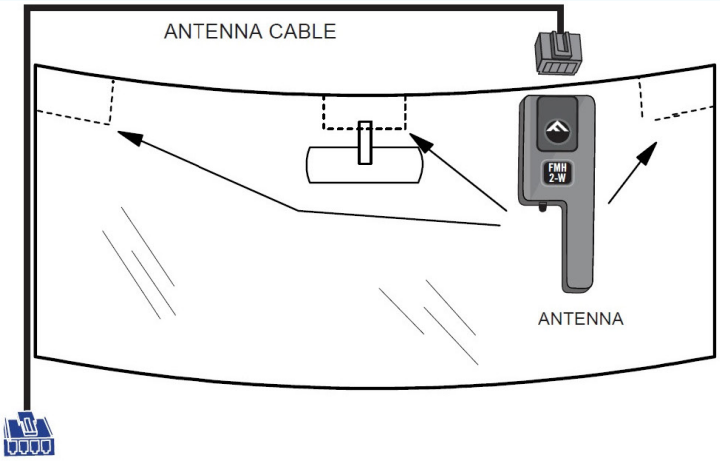
Press and release the programming button on the module once.

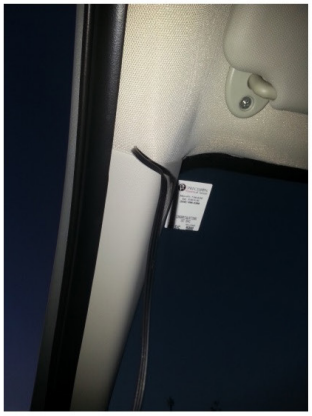


↳*The BLUE LED will turn off.*

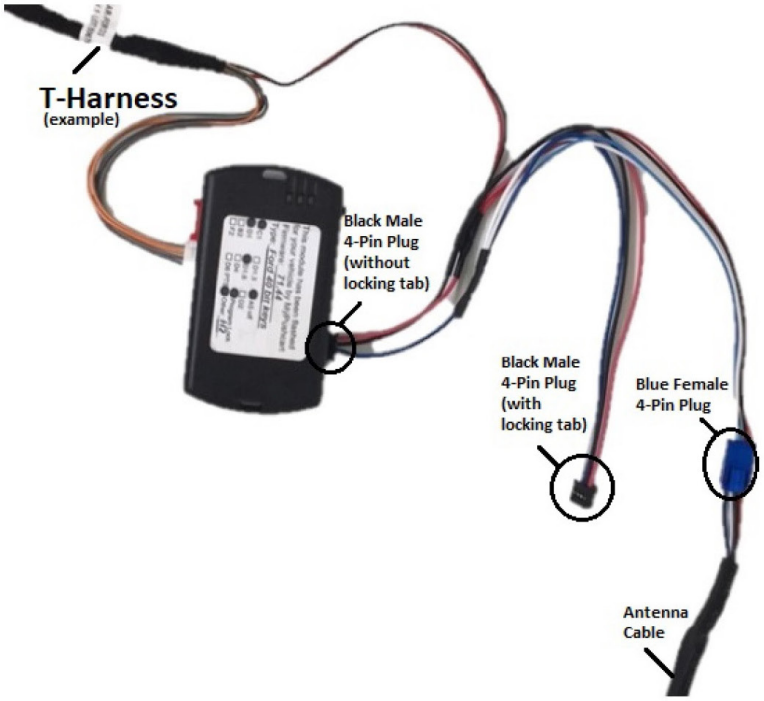
STEP 4: Running the Antenna.

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



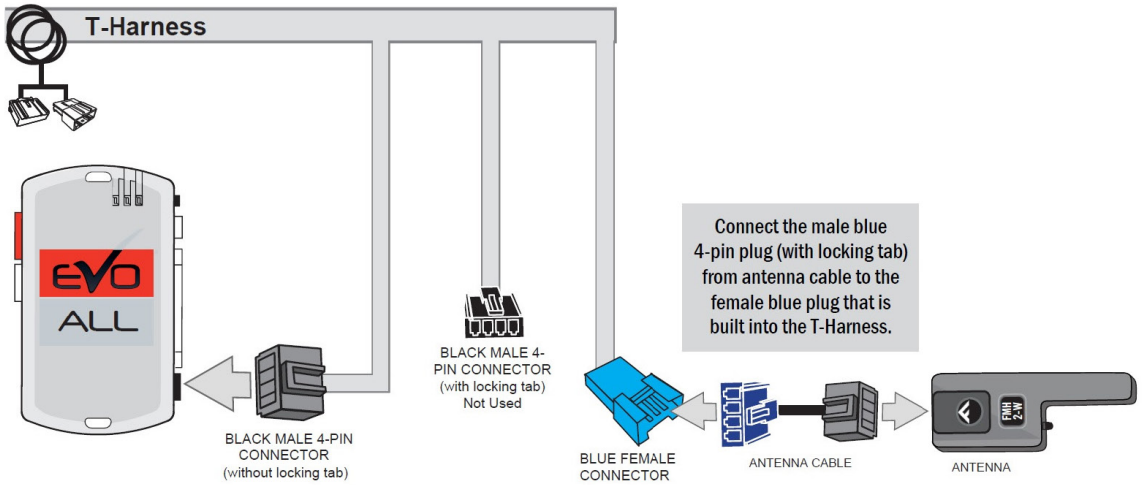


Your T-harness will have a black male 4-pin data link connector (with locking tab) that is not connected to anything, and a black male 4-pin data link connector (without locking tab) that is connected to your EVO-ALL brain. It will also have a blue female 4-pin plug to accept the antenna cable.



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 4.1: Program Remotes

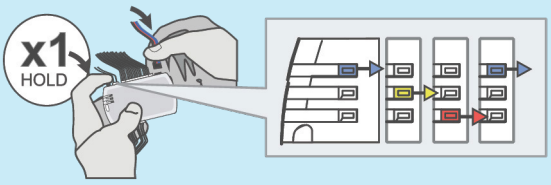
AFTER PROGRAMMING THE MODULE, YOU CAN NOW PROGRAM THE REMOTES. LEAVE EVERYTHING PLUGGED IN AND JUST UNPLUG THE BLACK PLUG FROM THE MODULE TO BEGIN.

1



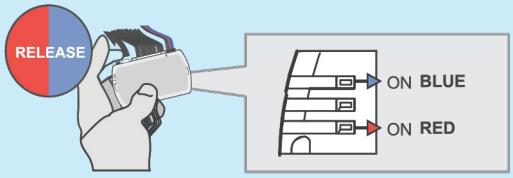
Unplug **ONLY the 4 Pin** (Black) connector from the EVO-ALL module.

2



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

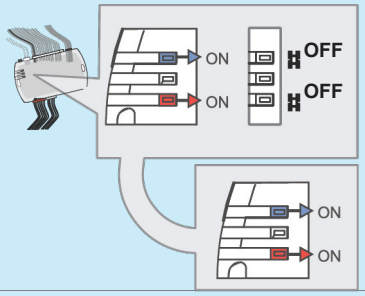
3



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.

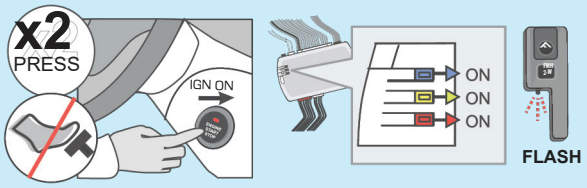
4



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



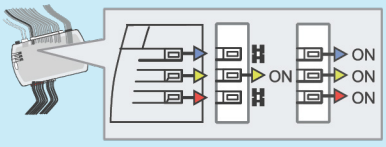
Do not press the brake pedal in this step.
Press the OEM Start/Stop button twice to turn the ignition to the ON/RUN Position.
*The Blue, **Yellow,** and Red LEDs will turn On. The antenna will flash rapidly.*

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

6

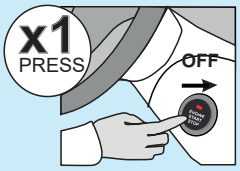


PRESS & HOLD THE REMOTE BUTTON
FOR ABOUT 13 SECONDS, **THE REMOTE'S LED WILL FLASH WHILE YOU HOLD IT, HOLD UNTIL THE REMOTE'S LED TURNS OFF AND TURNS BACK ON, THEN RELEASE THE REMOTE'S BUTTON** AND REPEAT ON THE 2nd REMOTE



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

7

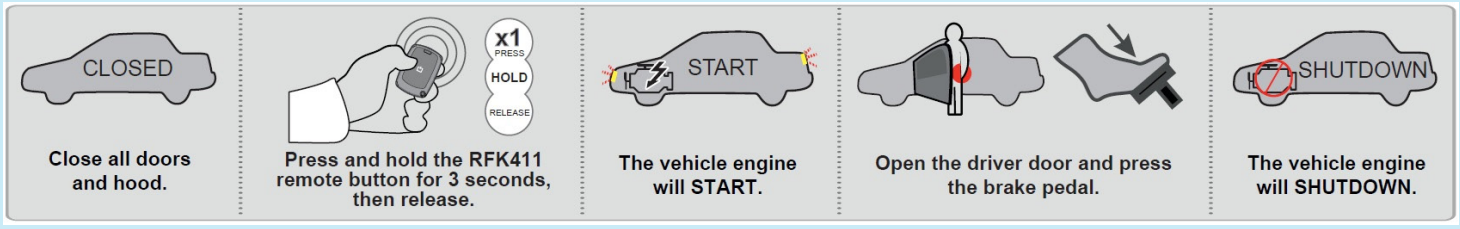


Press the START/STOP button once to turn OFF the ignition.
The remote is now programmed.

Step 5: 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 lock, 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 Lock 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/lock/lock button sequence on the factory OEM remote again, or opening the hood.



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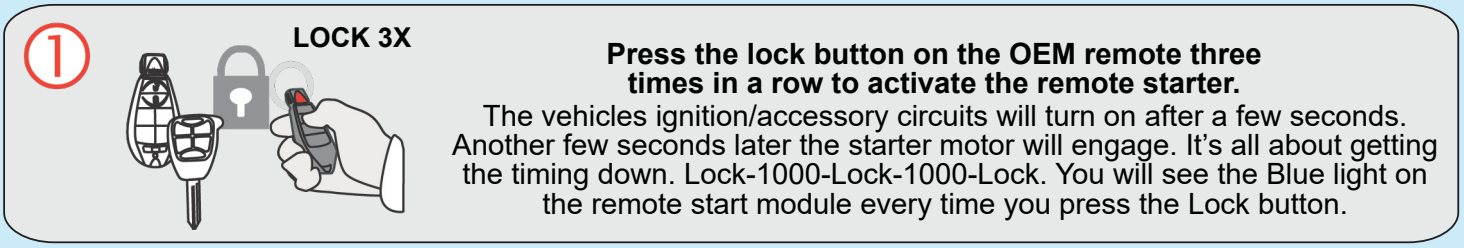
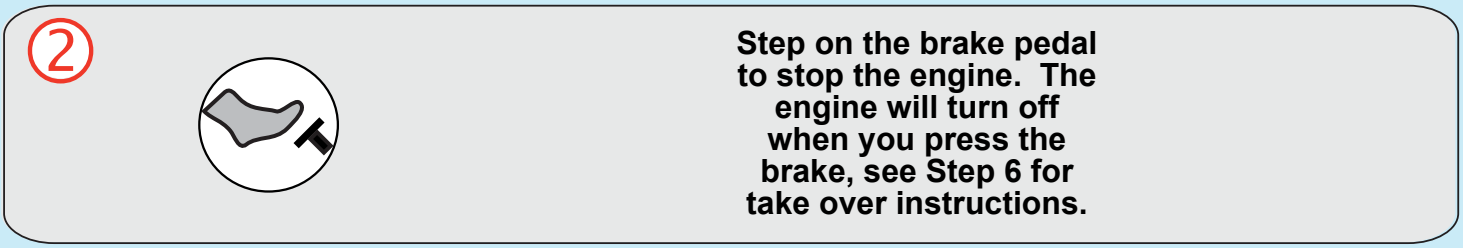




This system can accept up to 4 RF remotes of the same type at a time. Only one controller type may be used by this system at a time. Smartphone control is available by adding part number MOBILE2W, RF remote kits are also available in 1 and 4 button options. RF kits cannot be combined with the Smartphone 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 6: Finishing Up & Take Over

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.

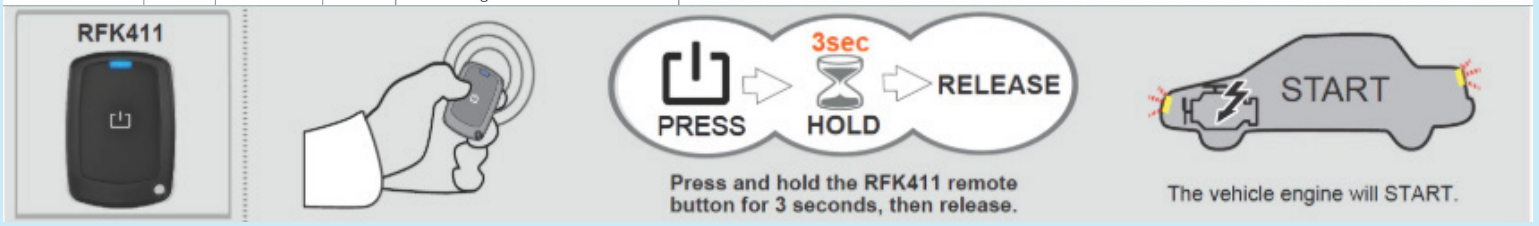
- Now gather up all the wiring and neatly bundle it together using zip ties or electrical tape to prevent the wires from interfering with any of the moving parts under the dash.
- Test the system often when you are putting your vehicle back together.
- Find a secure place to put the remote start module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

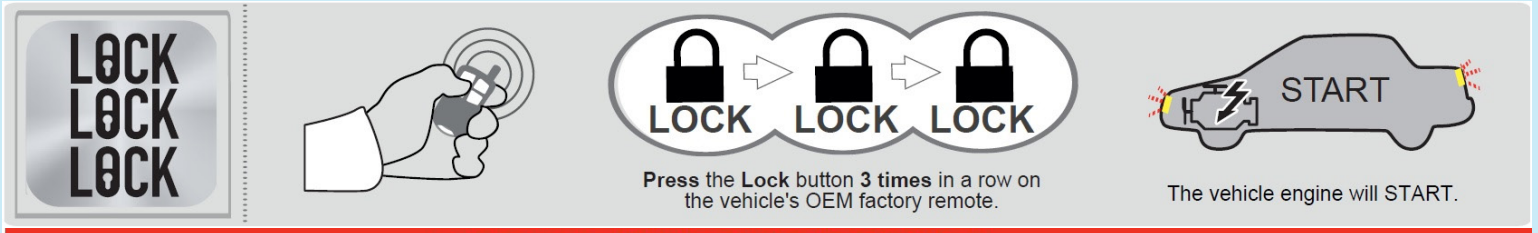
STEP1		To remote-start the vehicle press the START button for approximately 3 second.
STEP 2		The vehicle ignition will turn on to indicate a response to the Remote-Start signal.
STEP 3		Approximately 5 seconds later the engine will crank. Once the vehicle starts the parking lights will turn on and remain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



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

The vehicle engine will START.

(OR)



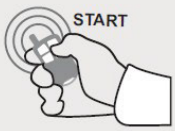
Press the **Lock** button **3 times** in a row on the vehicle's OEM factory remote.

The vehicle engine will START.

REMOTE STARTER FUNCTIONNALITY



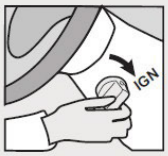
All doors must be closed.



Remote start the vehicle.



Unlock door with remote or key and enter the vehicle.



Insert the key into key switch and turn the key to the on/run position



You may now press the brake to shift into gear and drive the vehicle.

If you have any installation questions or problems, call for tech support
OR **Email: info@kleinn.com**
520.579.1531

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