

Ram (Tip Key)							
1500 Gas/Diesel	18	19					
1500 Classic Gas/Diesel		19	20	21	22		
2500 Gas/Diesel	18						
3500 Gas/Diesel	18						
4500 Gas/Diesel	18						
5500 Gas/Diesel	18						
Ram (Push to Start)							
1500 Gas/Diesel	18	19	20	21	22	23	24
2500 Gas/Diesel	18	19	20	21	22	23	24
3500 Gas/Diesel	18	19	20	21	22	23	24
4500 Gas/Diesel	18	19	20	21	22	23	24
Jeep (Push to Start)							
Gladiator			20	21	22	23	24
Grand Cherokee	18	19	20	21			
Grand Cherokee Diesel	18						
Wrangler 4xe Hybrid				21	22	23	24
Wrangler	18	19	20	21	22	23	24
Dodge (Push to Start)							
Challenger	18	19	20	21	22	23	
Charger	18	19	20	21	22	23	
Durango	18	19	20	21	22	23	24
Journey	18	19	20				
Chrysler (Push to Start)							
300/300C	18	19	20	21	22	23	

-This remote start is activated by pressing Lock>Unlock>Lock on your OEM remote key FOB.

-This is a pre-wired 'semi' plug and play kit. All vehicles with the exception of RAM trucks are fully plug and play, some RAM trucks need one or two hardwired connections.

-Download and Install the Flashlink Manager Software shown in Step 1, save it to your desktop, open it and log in, click the 3 bars on the upper left, select your vehicle information, STAND ALONE, T-HARNESS, NO ALARM, then load settings. Next, locate the firmware on the general tab and click "update to" if the recommended firmware is not loaded. This process is addressed in detail on Page 2 and needs to be done prior to installing in the vehicle.

-Select which wire diagram matches your vehicle on pages 7, 8, and 9.

-Pages 4 and 5 show vehicle specific CAN locations for the CHR7-B T-harness connections.

-Select which programming matches your vehicle on pages 10, 11, and 12.

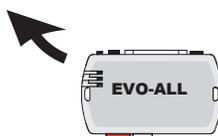
Step 1: Download and Install Flash Link Manager Software

Before beginning the installation, the vehicle and firmware need to be selected and updated on the module using the FLL Updater tool that plugs into a USB port on a windows PC or Laptop.



(FLL) TOOL

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



- 1) 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 through colors. Wait until the light turns solid red. You should see a message to 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) Next, 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 all 3 lights on the module flash, unplug just the module and plug it back in, it should turn red when connected. It can take a few times to properly connect.

Step 2: Select your vehicle type and flash the firmware to the remote start module

1. The Flashlink software will detect the EVO module and will automatically load the current settings.

The screenshot shows the Fortin FlashLink Manager interface. On the left, there are navigation tabs for 'A. GENERAL' and 'DCRYPTOR'. The main area displays the 'FIRMWARE' section for the 'EVO-ALL' module. It shows 'FIRMWARE INSIDE 63.[05]' and 'HARDWARE INSIDE 7.0'. A green button labeled 'Update to 74.[39]' is visible, along with an orange warning box that says 'RECOMMENDED FIRMWARE IS NOT LOADED' and '74.[39] RECOMMENDED'. There are also buttons for 'LOAD SUGGESTED OPTIONS' and 'SAVE OPTIONS'.

2. Click on the 3 horizontal bars at the upper left corner, select your Make, Year, Model, Key and Fuel Type, Stand Alone, T-Harness, and No Alarm systems boxes then load settings.

NOTE: Make sure to select your Year, Make, Model and Key&Fuel type, under Installation and connection types, choose Standalone Installation, T-Harness Connection, and in the alarm system box, choose no alarm, then click LOAD SETTINGS.

The screenshot shows the Fortin FlashLink Manager interface with the 'Selected Vehicle' and 'Installation & Connection Types' sections highlighted with a green circle. The 'Selected Vehicle' section shows 'RAM', '2021', '1500 Classic', and 'Diesel Standard-Key'. The 'Installation & Connection Types' section shows 'Standalone Installation', 'T-harness', and 'No Alarm System'. The 'FIRMWARE' section is also visible, showing 'FIRMWARE INSIDE 63.[05]' and 'HARDWARE INSIDE 7.0'. A green button labeled 'Update to 74.[39]' is visible, along with an orange warning box that says 'RECOMMENDED FIRMWARE IS NOT LOADED' and '74.[39] RECOMMENDED'. There are also buttons for 'LOAD SUGGESTED OPTIONS' and 'SAVE OPTIONS'.

3. After you've loaded settings, you will see a box in the center of the screen that says Firmware under the General tab, if the "update to" firmware number in green doesn't match the "Recommended" Firmware number in orange, click on the "update to" green box load the correct firmware.

The screenshot shows a close-up of the 'FIRMWARE' section. The 'Update to 74.[39]' button is highlighted with a green arrow, and the 'Recommended Firmware is Not Loaded' warning box is also highlighted with a green arrow. The text 'FIRMWARE INSIDE 63.[05]' and 'HARDWARE INSIDE 7.0' is visible. There are also buttons for 'Collapse Options' and 'Expand Options'.

4. Unplug the module from the Flashlink Updater and bring to the vehicle, begin the installation. Leave the Flashlink Updater plugged in to your PC as you will need it again at the end of the installation to run the Dcryptor portion of the programming shown on Page 13.

Step 3: Wiring

3.1 Connect the CHR7-A harness. The male OEM plug on the back of the vehicle Push-To-Start button or the ignition switch will be located to the right of the steering column. Release the connector, then connect the male t-harness plug into the receptacle, and plug the female t-harness plug into the male OEM plug.

3.2 **(RAM Trucks Only)** Make the connection for +12v Ignition. Use the Yellow wire that's part of the bundle of loose wires attached to the CHR7A harness and attach it to the ignition wire in the vehicle. Locate the ignition connector near the Push-to-Start button or ignition switch. See photos below. Test the ignition wire to make sure it has 12 volts with the ignition on and 0 Volts with the ignition off.

3.3 Connect the CHR7B T-Harness. See vehicle specific CAN locations on pages 4-5.

3.4 **(2018 RAM Push-to-Start vehicles ONLY)** Locate the 4-pin black brake connector (shown below) and connect the Green/Red wire from the bundle of loose wires on the CHR7-A on to the Green/Brown wire in the 4-pin brake switch connector.

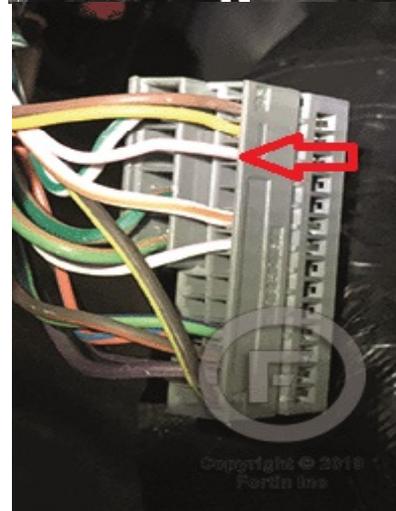
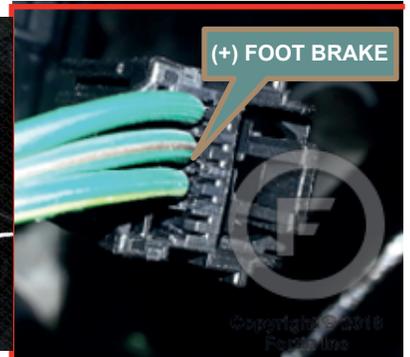
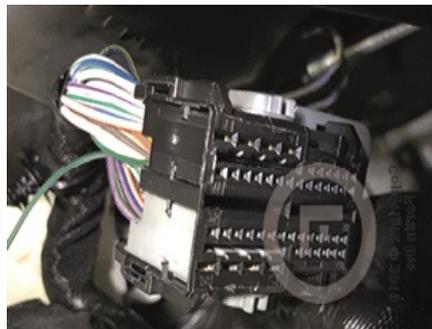
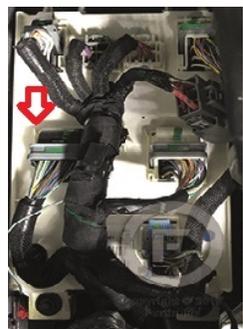
Remove the lower driver's side trim panel to access the plugs shown below.

2019-2024 RAM Trucks Ignition wire

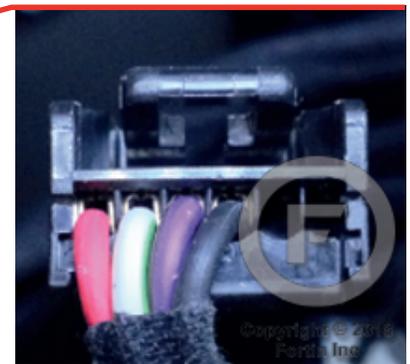
①

Foot Brake connector

2018 RAM PUSH-TO-START VEHICLES ONLY NOT USED WITH KEY-START



② ALL VEHICLES Back of Push-to-Start Button or ignition switch



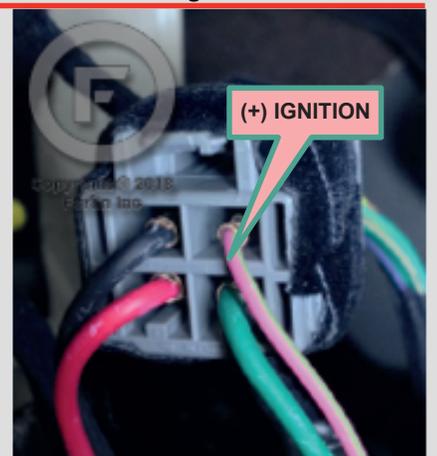
⑥ OBD-II connector

④ 2018 RAM Near Push-to-Start Button or ignition switch

⑤ 2018 RAM Near Push-to-Start Button or ignition switch



OR



Your vehicle will have one of these two connectors. Use the one you have

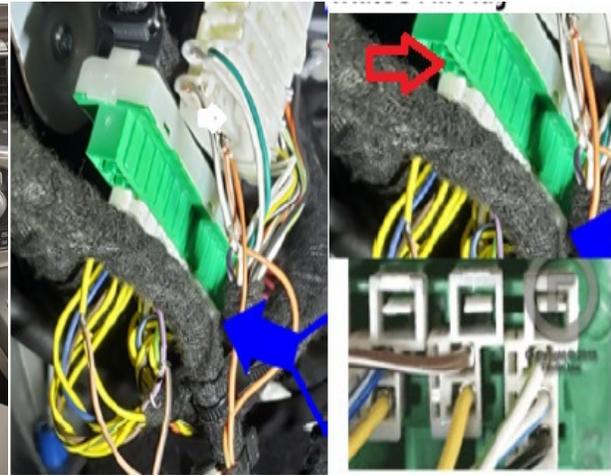
Locating CAN Junction Boxes

NOTE: Some vehicles require one CAN connection, some require 2 as shown on pages 4&5.

Single Green CAN Junction Box Left of steering column

See Diagram on page 9

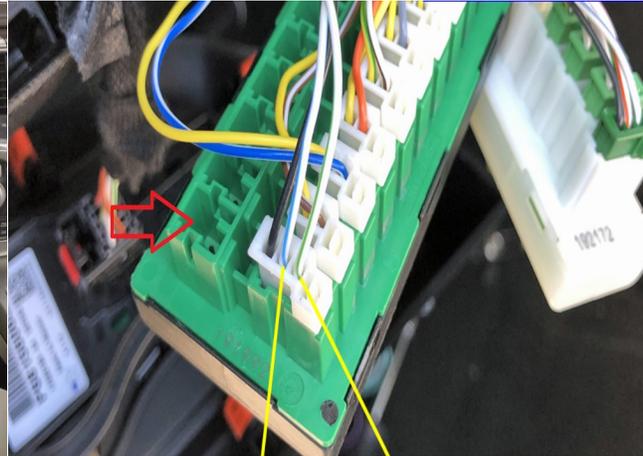
RAM Trucks
2018 1500-5500 Tip Key & Push-to-start
2018-2023 RAM 1500 CLASSIC Tip Key



Single Green CAN Junction Box behind the Headlight Switch

See Diagram on page 8

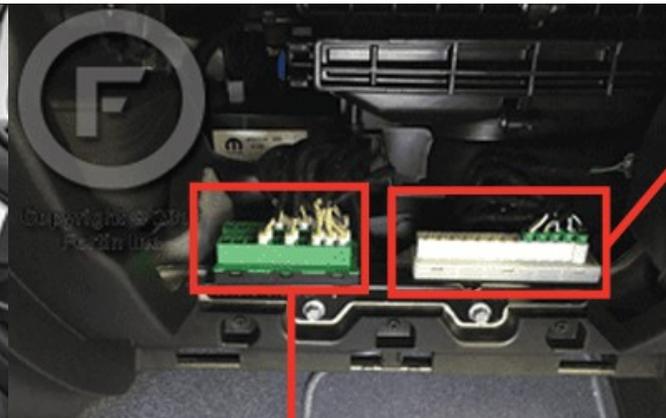
RAM Trucks
2019-2024 1500-4500



Green and White CAN Junction Boxes behind the Glove Box

See Diagram on page 7

Jeep
2020-2023 Gladiator
2021-2023 Wrangler 4XE Hybrid
2018-2024 Wrangler



Single Green CAN Junction Box Left side of dash

See Diagram on page 6

Dodge
2018-2020 Journey



**White CAN Junction Box Left side of dash.
Green CAN Junction Box behind the Glove Box.**

See Diagram on page 7

Dodge
2019-2023 Challenger
2019-2023 Charger

Chrysler
2019-2023 300/300C

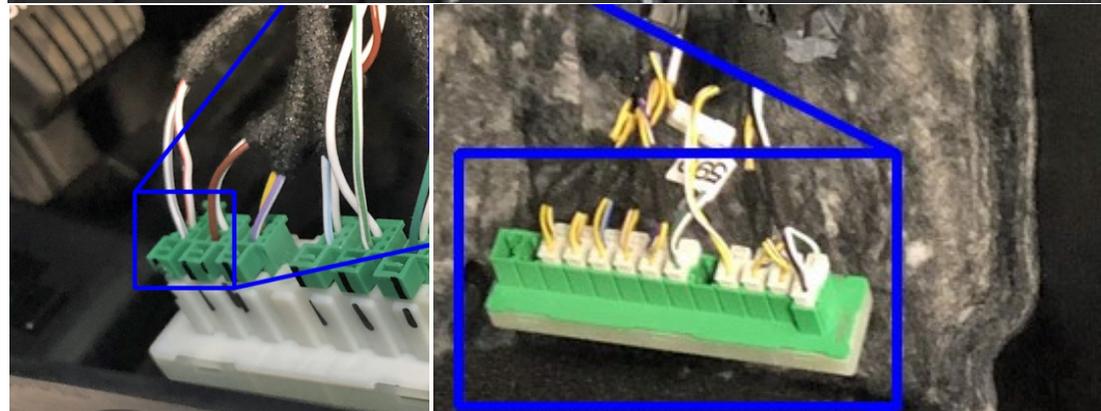
NOTE: 2018 vehicles listed below use only single Green CAN Junction Box

Single Green CAN Junction Box behind Glove Box

See Diagram on page 6

Dodge
2018 Challenger
2018 Charger

Chrysler
2018 300/300C



Green and White CAN Junction Boxes Left side of dash

See Diagram on page 7

Jeep
2018-2021 Grand Cherokee
2018 Grand Cherokee Diesel

Dodge
2018-2023 Durango



DO NOT plug any of the connectors into the EVO-ALL module until the programming procedure is ready to be performed.

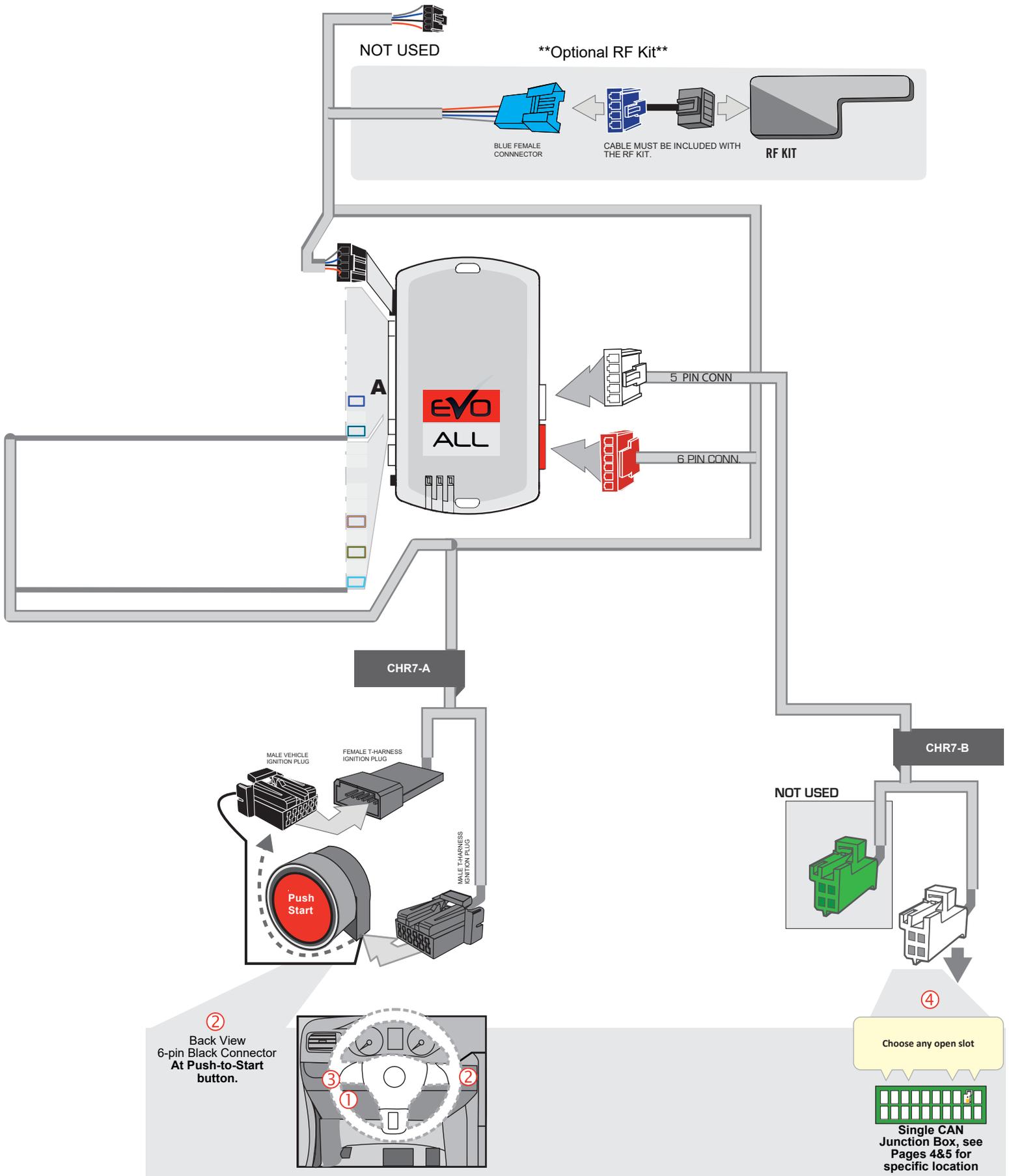
(Programming steps found further below in tipsheet)

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

System Wiring Diagram

Dodge 2018-2020 Journey 2018 Challenger 2018 Charger/ Chrysler 2018 300/300C

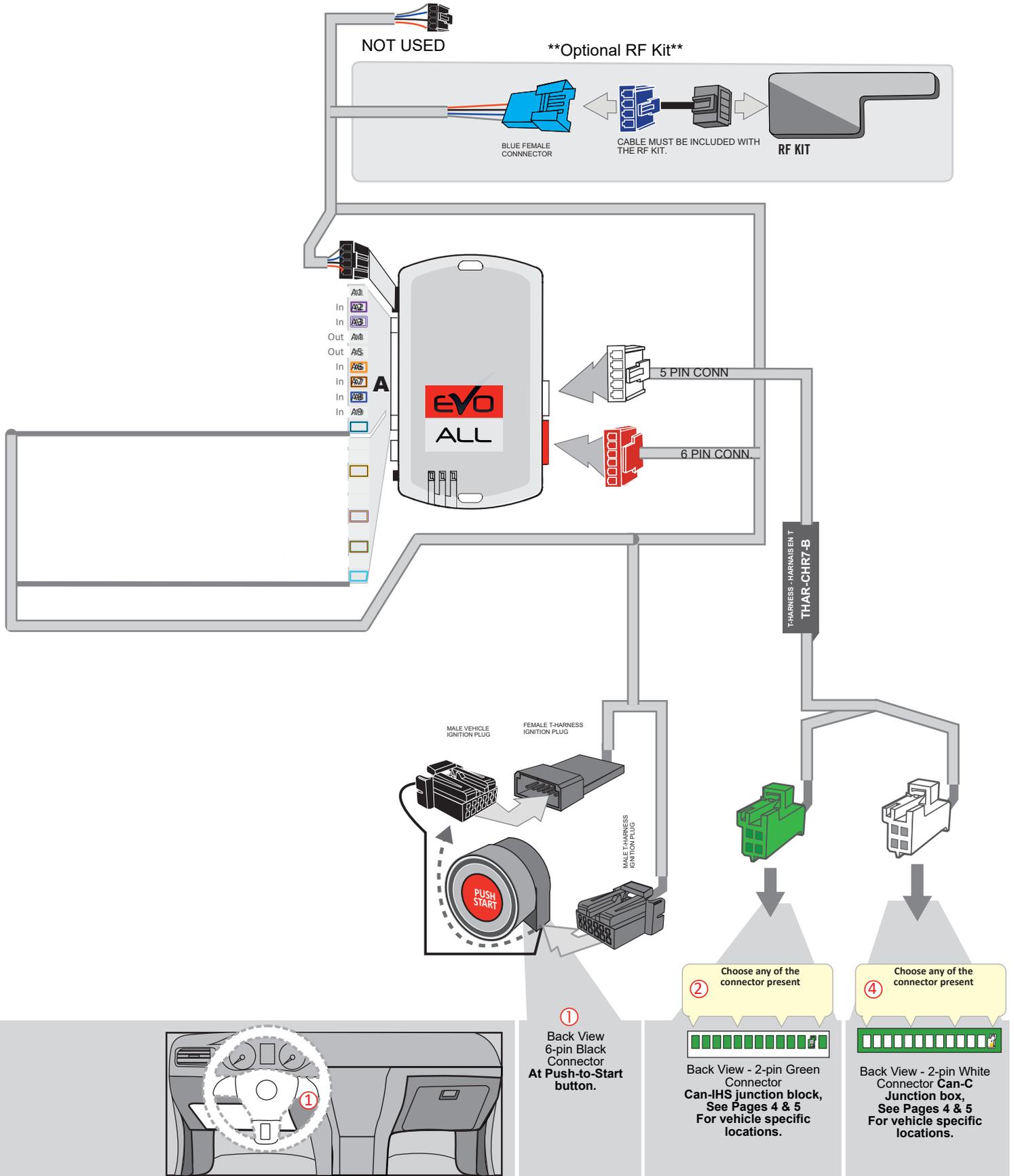
**Firmware must be updated to match vehicle before programming*



System Wiring Diagram

2019+ Jeep, Dodge, Chrysler Vehicles (Excludes RAM Trucks)

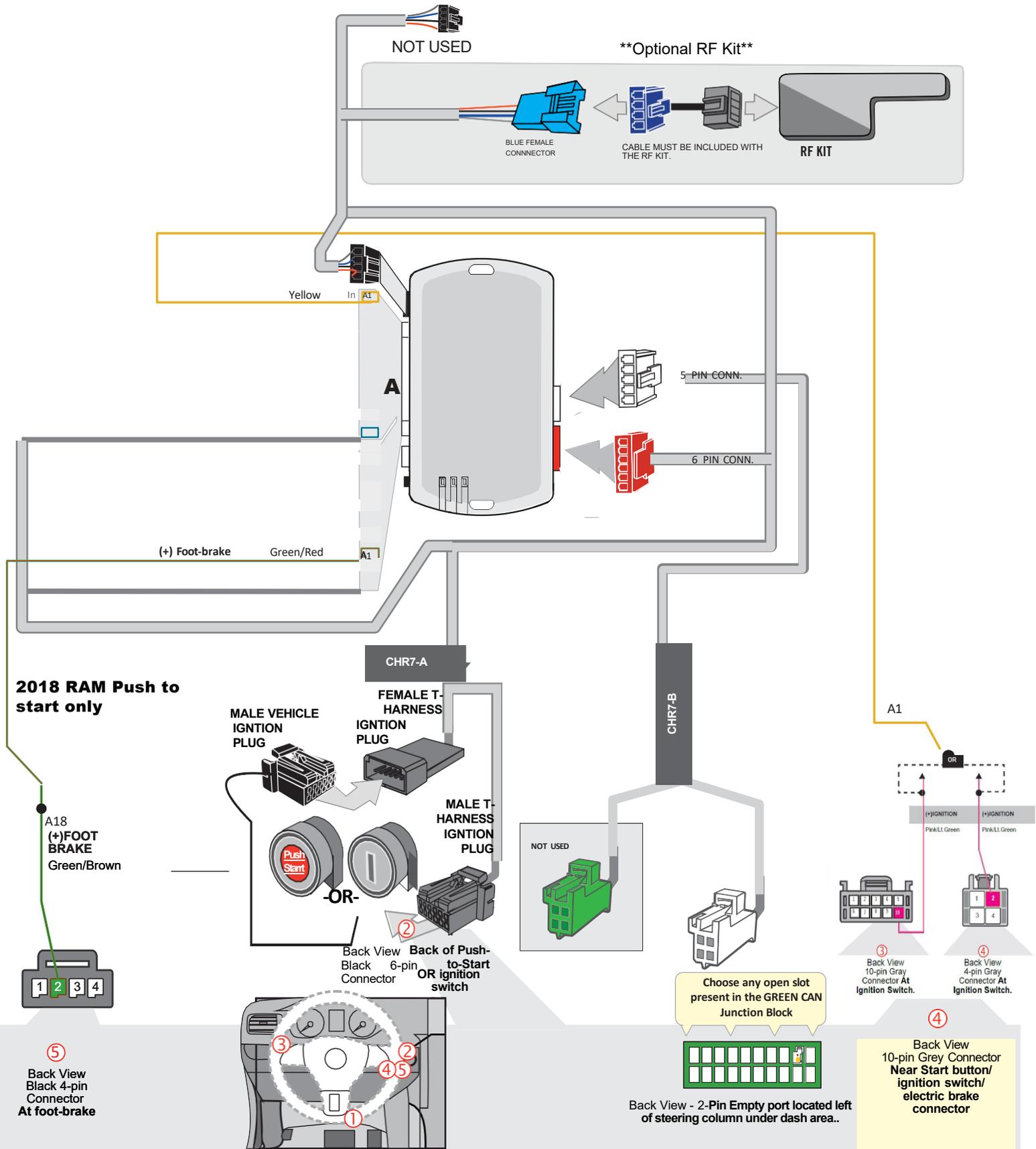
**Firmware must be updated to match vehicle before programming*



System Wiring Diagram

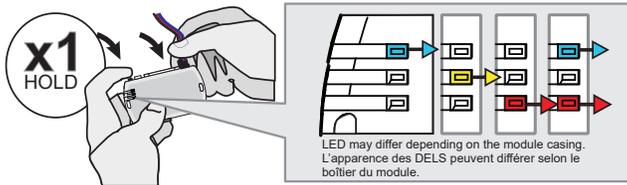
2018+ RAM-Classic Key-to-Start Trucks

**Firmware must be updated to 74.39*



Step 4: Programming RAM Key-to-Start Trucks ONLY

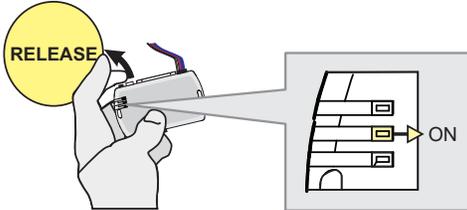
1



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

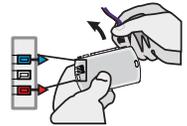
↳ The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.

2

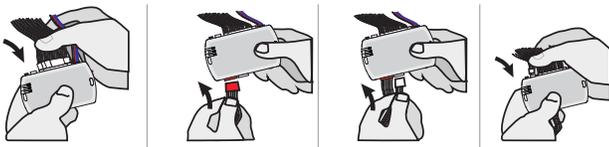


Release the programming button when the LED is YELLOW.

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

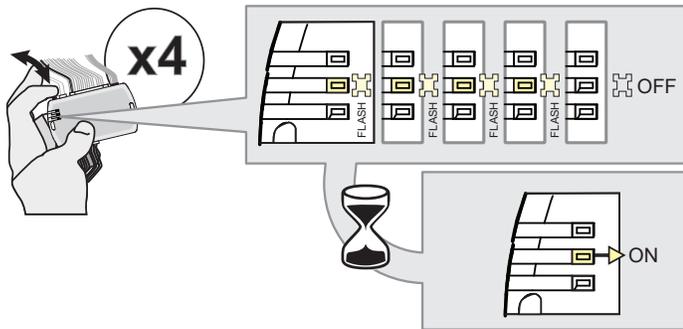


3



Insert the required remaining connectors.

4



Press and release the programming button four times (4x).

↳ The YELLOW LED will alternate between 4x flashes and a pause.

↳ Wait until the YELLOW LED turns ON.

Push to Start vehicles



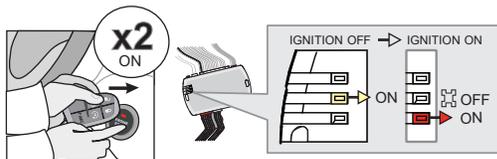
Remove the valet key from the back of the OEM remote.
 Remove the battery from the OEM remote.
 Keep the other OEM remotes at least 3 meters (10 feet) away from the vehicle to proceed.

5



Place the OEM remote (no battery) close to the front of START/STOP button exactly as shown. Do not move the OEM remote for the following step.

6



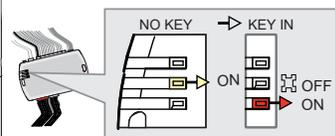
Press the Start/Stop button twice to turn ON the ignition.
 ↳ The RED LED will turn ON.
 ↳ The YELLOW LED turns OFF.

CONTINUED NEXT PAGE

Tip Key vehicles

CAUTION - ALL LIGHTS IN THE DASH BOARD MUST BE OFF BEFORE CONTINUING WITH STEP 5.

5



Insert the key into the ignition barrel.
DO NOT turn ON the key.

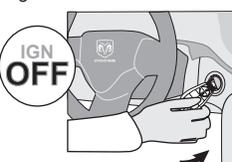
Wait.
 ↳ The RED LED will turn ON.
 ↳ The YELLOW LED turns OFF.

IGN ON



Turn the Ignition to the ON/RUN position.

6



Turn the Ignition to the OFF position.

Remove the key from the Ignition barrel.

CONTINUED NEXT PAGE

7



Press and release the START/STOP button once to shut off the ignition.

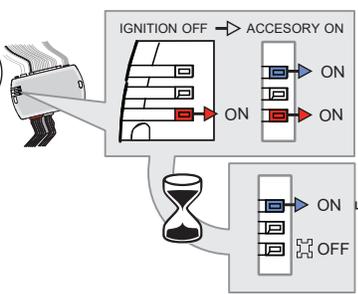
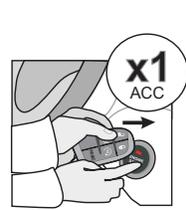
8



Place the OEM remote (no battery) close to the front of START/STOP button as shown.

Do not move the OEM remote for the following step.

9



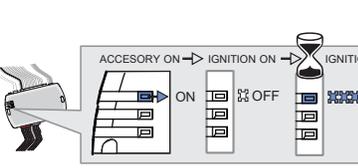
Press and release the START/STOP button once to turn ON the ACCESSORY.

The RED and BLUE LED will turn ON.

Wait for The RED LED to turn OFF.

BLUE LED remains solid.

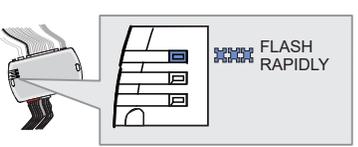
10



Press and release START/STOP button once to turn ON the ignition.

Wait until the BLUE LED flash rapidly.

11



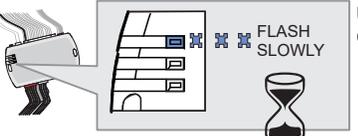
Press and release the START/STOP button once to shut off the ignition.

The BLUE LED continues to flash rapidly.

12



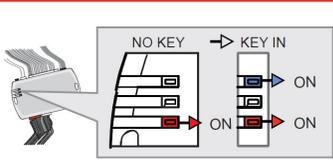
13



Unlock the doors with the OEM remote.

Wait until the BLUE flash slowly.

CAUTION - ALL LIGHTS IN THE DASH BOARD MUST BE OFF BEFORE CONTINUING WITH STEP 7.

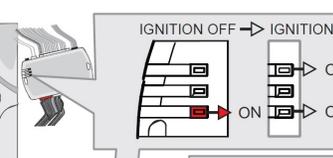


Reinsert same key into the ignition barrel.

DO NOT turn ON the key.

The BLUE will turn ON.

8



Turn the Ignition to the ON/RUN position.

The RED and BLUE will turn OFF.

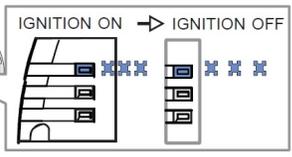
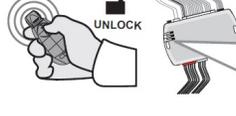
The BLUE LED will flash rapidly.

9



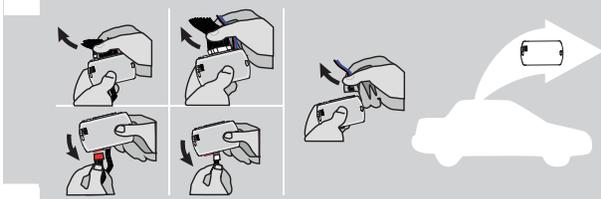
Turn the Ignition to the OFF position.

10



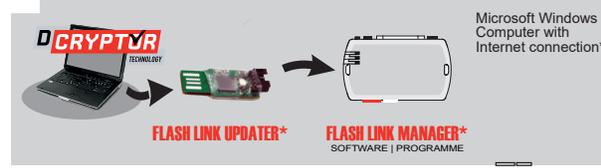
Unlock the doors with the OEM remote.

Wait until the BLUE LED flashes slowly.



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.



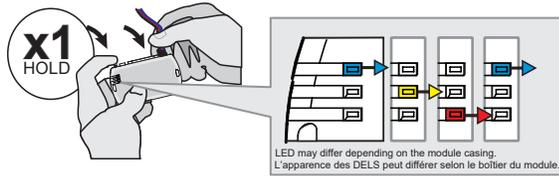
Microsoft Windows Computer with Internet connection*

Use the tool: FLASH LINK UPDATER

Follow the instructions on Page 13

Step 4: Programming for Push-to-Start Vehicles

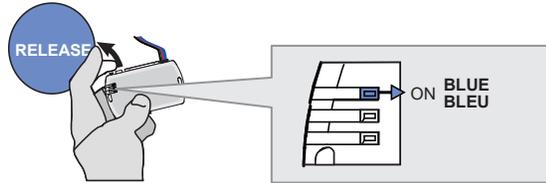
1



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

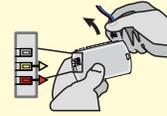
↳ The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.

2

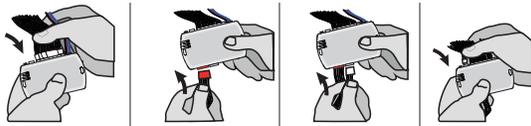


Release the programming button when the LED is BLUE.

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

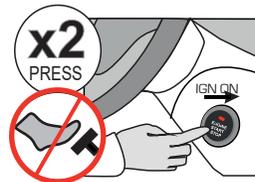


3



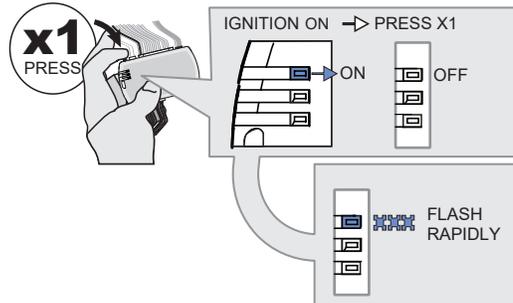
Insert the required remaining connectors.

4



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

5

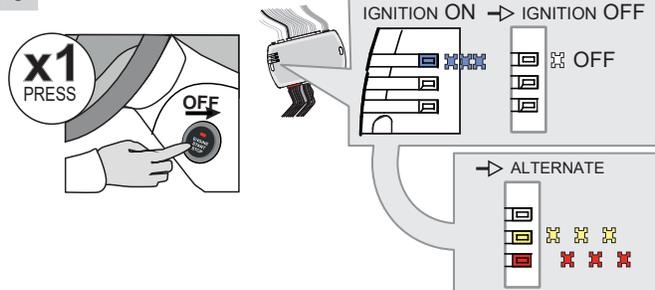


Press and release the programming button once (1x).

↳ The BLUE LED will turn off.

↳ The BLUE LED will flash rapidly.

6

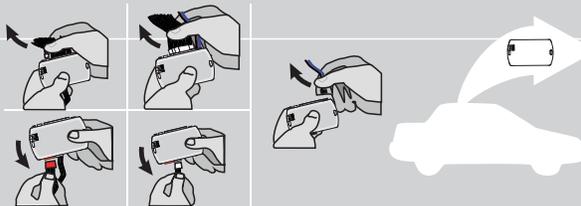


Press the START/STOP button once to turn OFF the ignition.

↳ The BLUE LED will turn off.

↳ The RED and YELLOW LEDs will alternate.

7



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.

8



Use the tool:
FLASH LINK UPDATER

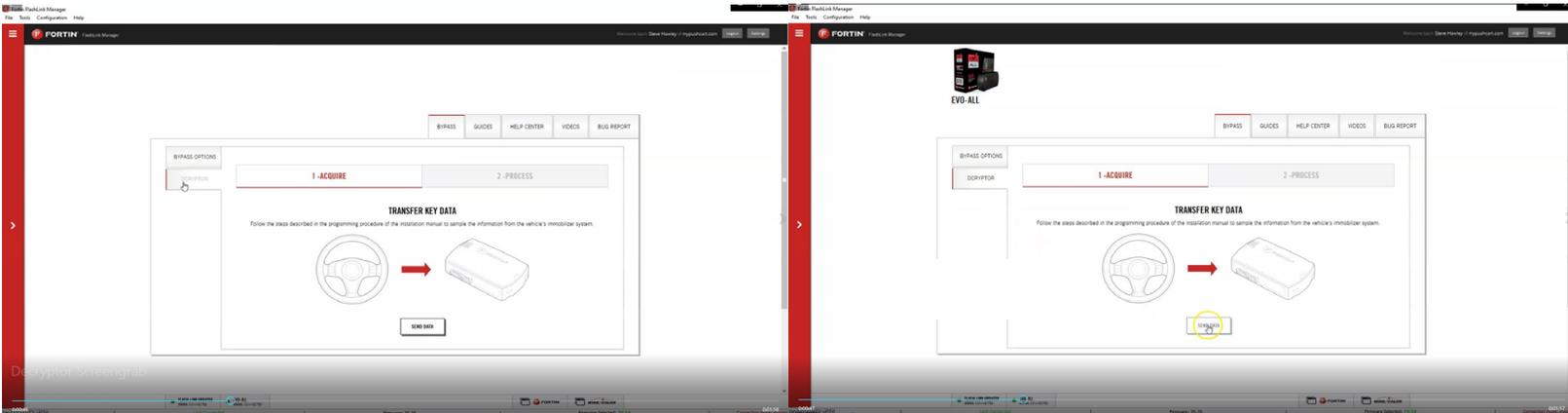
Follow the instructions on Page 13

Step 5: Dcryptor

Next plug in the EVOALL module to the Flashlink Updater tool plugged into the computer and start the Dcryptor process. If you unplugged the updater earlier, open and log back in to Flashlink Manager, plug in the FLL tool, then plug in the EVO-ALL

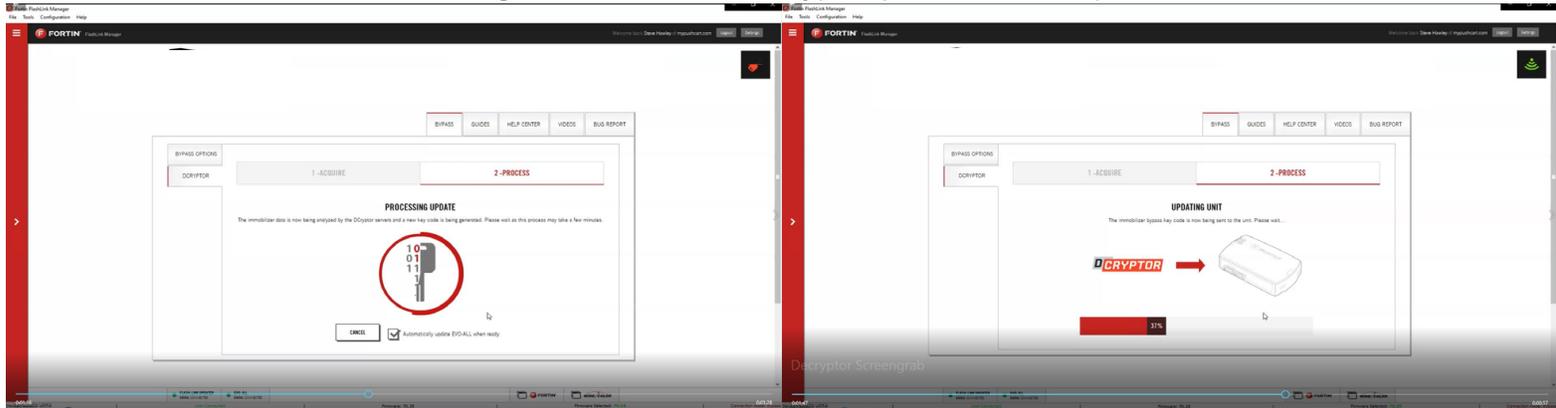


- The software will detect you plugging in the EVO-ALL and will automatically load the current settings.
- Next, click the Dcryptor tab. Then click on the Send data button.

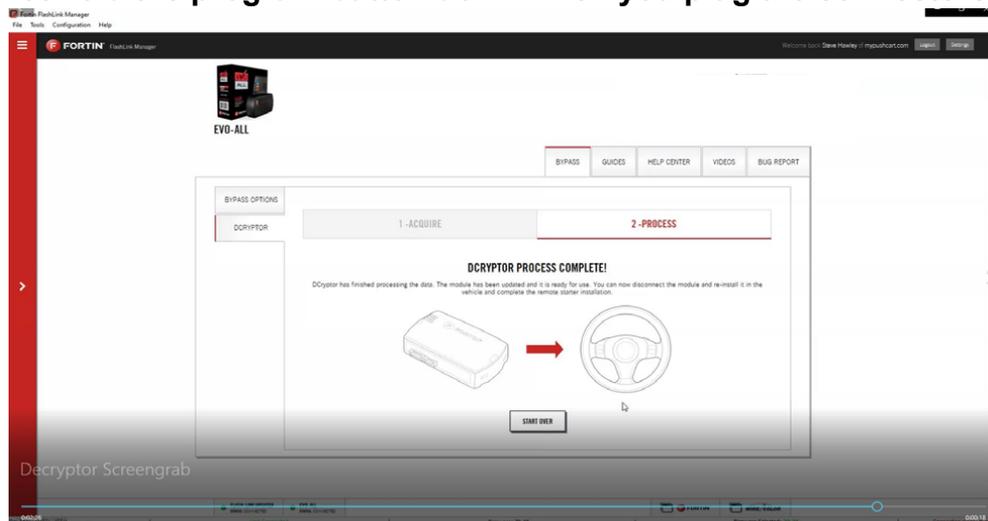


Wait while the updater reads data from the EVO-ALL. Once it is done it will update the EVO-ALL and you will need to wait again. You will see a status bar at the bottom of the screen.

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



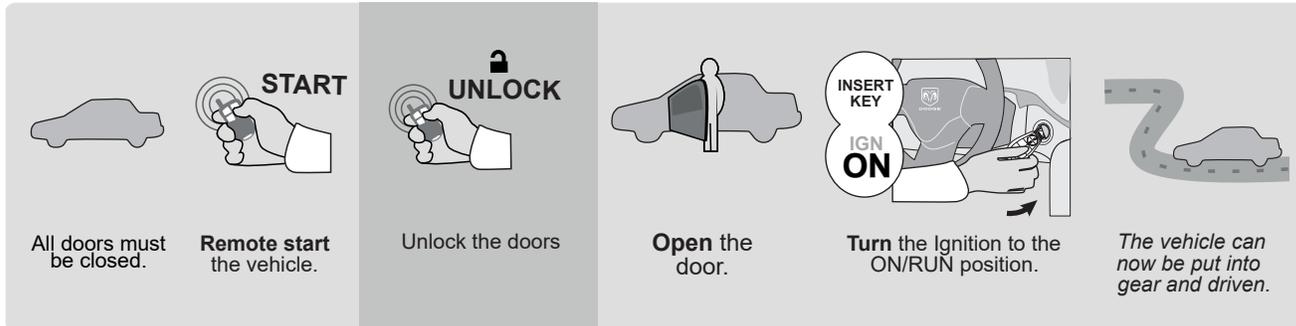
If the Dcryptor process completed successfully, you will see a message on your screen that the module is "ready for use". Unplug the EVO-ALL module from the FLL tool and plug it back into the vehicle black plug first. **Do not hold the program button down when you plug the connectors back in.**



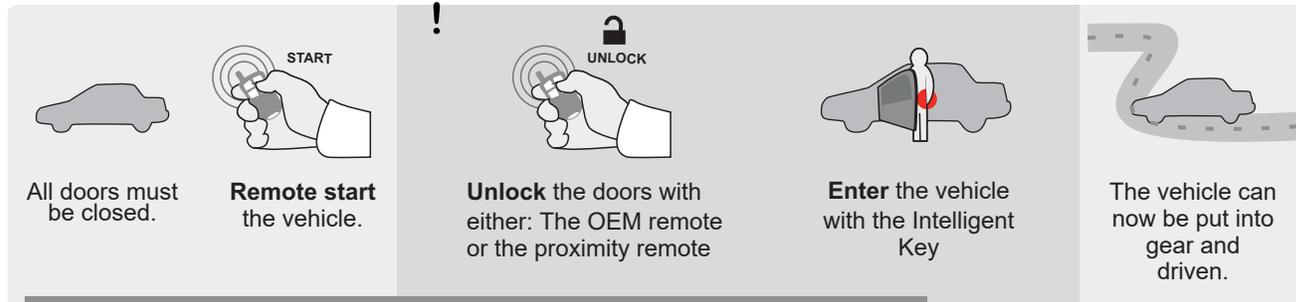
Step 6: Test the System

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



Functionality: Push-To-Start Vehicles



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

Step 7: 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!**

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

520.579.1531

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