



Installation Guide

* For automatic transmission vehicles only

RS-RAM72

REV 01132021

For 2018 Ram Trucks: Gas or Diesel Push-to-Start



You may view a high-resolution color version of this guide online at <http://install.kleinn.com/RSRAM71> or by scanning this QR code. **Please read this guide in its entirety or you will have issues!**

-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.

-This is a pre-wired 'semi' plug and play kit. 1-2 wire connections are required into the vehicle for basic installation. The kit also includes an optional parking light flash feature. If used, that feature requires one additional wire connection.

-We have already loaded the correct firmware into the remote start module. You will need to pair the module to your vehicle when the wiring is complete. Instructions are on page 6. Depending on the configuration of your vehicle, you may also need to make up to two programming changes to the module. This is addressed in detail on Page 2.

Overview

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

1. Download and install Flash Link Manager software.
2. If required, set correct options in remote start module.
3. Make the plug-in and wire connections.
4. Pair the remote start to the vehicle.
5. Test the system.
6. Button it up!

Step 1: Download and install Flash Link Manager software

**The Flash Link Manager (FLM) software only works on a Windows computer.

Enter the following link into your web browser, then download and install the software:

<https://fortin.ca/en/support/flashlinkmanager.html>

Next, open the software and log in with the following credentials:

email: flash@kleinn.com

password: Flash2020

Once the (FLM) software installed and open, then connect the Flash Link Updater (FLU) to the USB port of your Windows computer. The (FLM) software will detect (FLU) and display a message that the module is not connected, this is normal. Do not plug the remote starter into the (FLU) tool until you have completed the wiring and vehicle programming procedure at step 3. Leave the computer and software in this state ready to plug the module in when the time comes, and proceed with the wiring connections.

Step 2: Making settings changes in the remote start module

Ram trucks are made with both gas and diesel engines. The specific configuration you have may require one settings change in the remote start module. The default settings in the remote start are for diesel engine and Push-To-Start ignition. If that's what you have, no settings changes are required. Proceed to Step 3: Wiring.

If you have a gas engine you can leave the fuel type set to diesel. The only affect is that there will be a 20-second delay between when you press lock/lock/lock and when your truck starts. Or you can follow the instructions below to disable the diesel start delay altogether and the delay will only be about 5 seconds.

Begin by opening the Flashlink Manager application and plugging in the remote start module. It will take the application about a minute to read the module, then you'll see the screen below. The display will show a Ram truck.

2.1 Once this screen loads, look to the bottom of the screen and click the "OFF" button in the Settings Protection row.



RAM 1500 2018 - DIESEL PUSH-TO-START

BYPASS GUIDES HELP CENTER VIDEOS BUG REPORT

BYPASS OPTIONS

DCRYPTOR

FIRMWARE
 FIRMWARE MODE 74.[39]
 HARDWARE MODE 7.0

RECOMMENDED FIRMWARE IS LOADED 74.[39]

COPY BYPASS CONFIG LOAD SUGGESTED OPTIONS SAVE OPTIONS

*** SETTINGS PROTECTION Prevent options reset from a Master Reset. OFF ON

2.2 The remote start settings options will display.

BYPASS OPTIONS

DCRYPTOR

FIRMWARE
 FIRMWARE MODE 74.[39]
 HARDWARE MODE 7.0

RECOMMENDED FIRMWARE IS LOADED 74.[39]

COPY BYPASS CONFIG LOAD SUGGESTED OPTIONS SAVE OPTIONS

*** SETTINGS PROTECTION Prevent options reset from a Master Reset. OFF ON

A1	DOOR LOCKS	Door lock & unlock control.	OFF	ON	👍
A2	TRUNK RELEASE	Trunk / hatch release.	OFF	ON	
A3	KEY BYPASS	Immobilizer bypass.	OFF	ON	👍
A4	HEATED SEATS	Automatic low temperature heated seats & rear-defrost control.	OFF	ON	👍
A5	AUX. 1	Vehicle specific function. (e.g. Right Sliding Door, Power Lift Gate).	OFF	ON	
A6	AUX. 2	Vehicle specific function. (e.g. Left Sliding Door, Gas Cap Release).	OFF	ON	

2.3 Scroll down to the "D" section, then click the downward arrow on the far right side of D1. This will open the "D" submenu

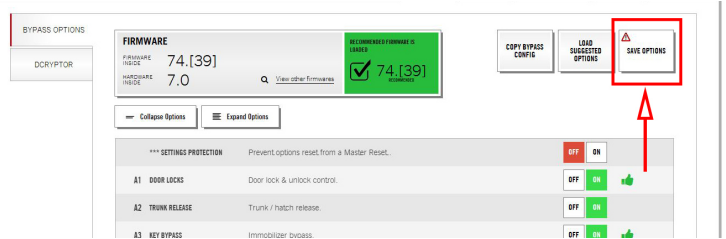
B1	UNLOCK DRIVER DOOR ONLY	Simulate the OEM key-fob with driver's door priority unlock on 1st unlock signal. All doors unlock on 2nd unlock signal.	OFF	ON	
B2	DATA-LINK REMOTE STARTER MODE	Switch input/output mode to support external RF antenna.	OFF	ON	
B3	UNLOCK DOUBLE PULSES		OFF	ON	
C1	OEM REMOTE MONITORING	Send OEM remote lock & unlock commands to the remote car starter or alarm system via data-link.	OFF	ON	👍
D1	STANDALONE REMOTE STARTER	Remote start the vehicle when the OEM remote's lock button is pressed 3x times. An aftermarket remote car starter is NOT required.	OFF	ON	👍 ⌵
D2	UNLOCK BEFORE LOCK AFTER (DISARM OEM ALARM)	Automatically unlock & disarm before remote-start and re-lock & re-arm after remote-start.	OFF	ON	
D3	DOOR OPEN SHUTDOWN	Remote-starter shuts down the engine when a door is opened.	OFF	ON	
D4	HYBRID MODE		OFF	ON	
D5	LOCK AFTER START	Lock the doors after remote start.	OFF	ON	
D6	PUSH-TO-START		OFF	ON	

2.4 If you have a gas engine and wish to turn off the diesel delay, click the "OFF" button on row D1.3

D1 STANDALONE REMOTE STARTER Remote start the vehicle when the OEM remote's lock button is pressed 3x times. An aftermarket remote car starter is NOT required. OFF ON 👍 ⌵

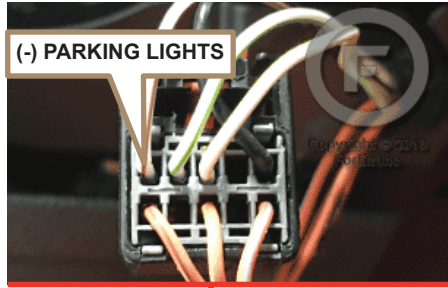
D1.1	LOCK-UNLOCK-LOCK		OFF	ON
D1.2	DISABLE 2ND START ATTEMPT		OFF	ON
D1.3	DIESEL MODE		OFF	ON
D1.4	3 MINUTE RUNTIME	Diesel mode 6 minute runtime	OFF	ON
D1.5	7 MINUTE RUNTIME	Diesel mode 14 minute runtime	OFF	ON
D1.6	15 MINUTE RUNTIME	Diesel mode 30 minute runtime	OFF	ON
D1.8	30 MINUTE RUNTIME		OFF	ON
D1.9	60 MINUTE RUNTIME		OFF	ON

2.5 Once you have made your settings changes, turn the Settings Protection back on, then click the "Save Settings" button at the top right of the screen. Unplug the module and proceed with making your wiring connections.



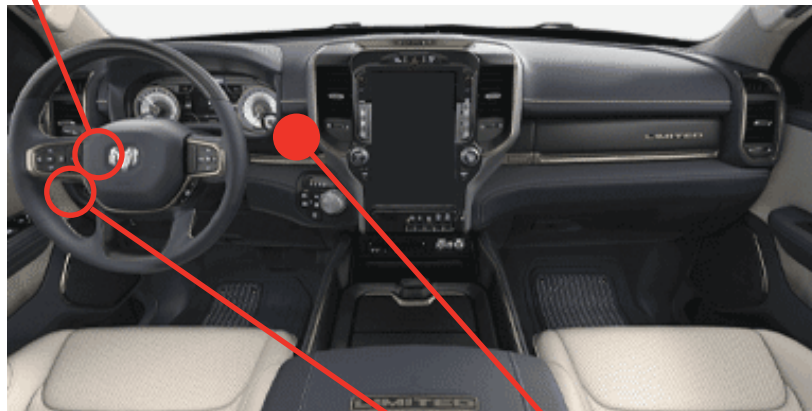
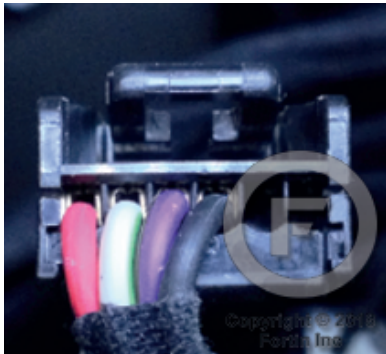
IMPORTANT: If you wish to change your run-time settings, you may select from options D1.4 through D1.9. **DO NOT CHANGE ANY OTHER SETTINGS.** There are many settings within the options menu that if changed could make the system inoperable or even damage the vehicle. Many of the settings you see that may seem like they might be a good idea are not a good idea. Don't go there!

Step 3: Wiring

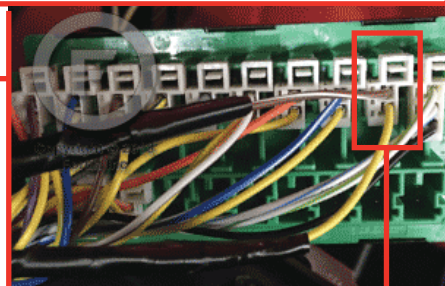
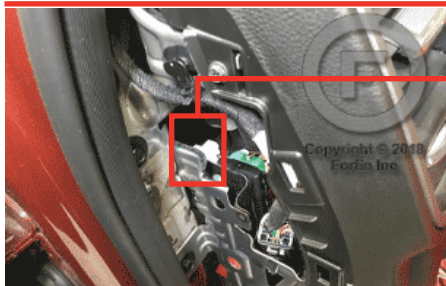


At parking light switch.

Back of Push-to-Start Button or ignition switch



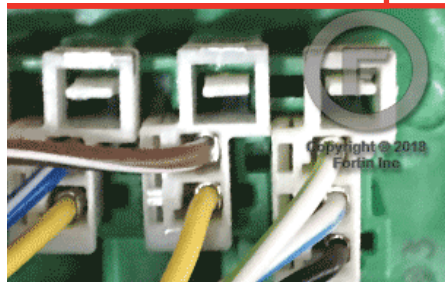
At CAN junction, left side of dash.



Near ignition switch. Electric brake module connector.

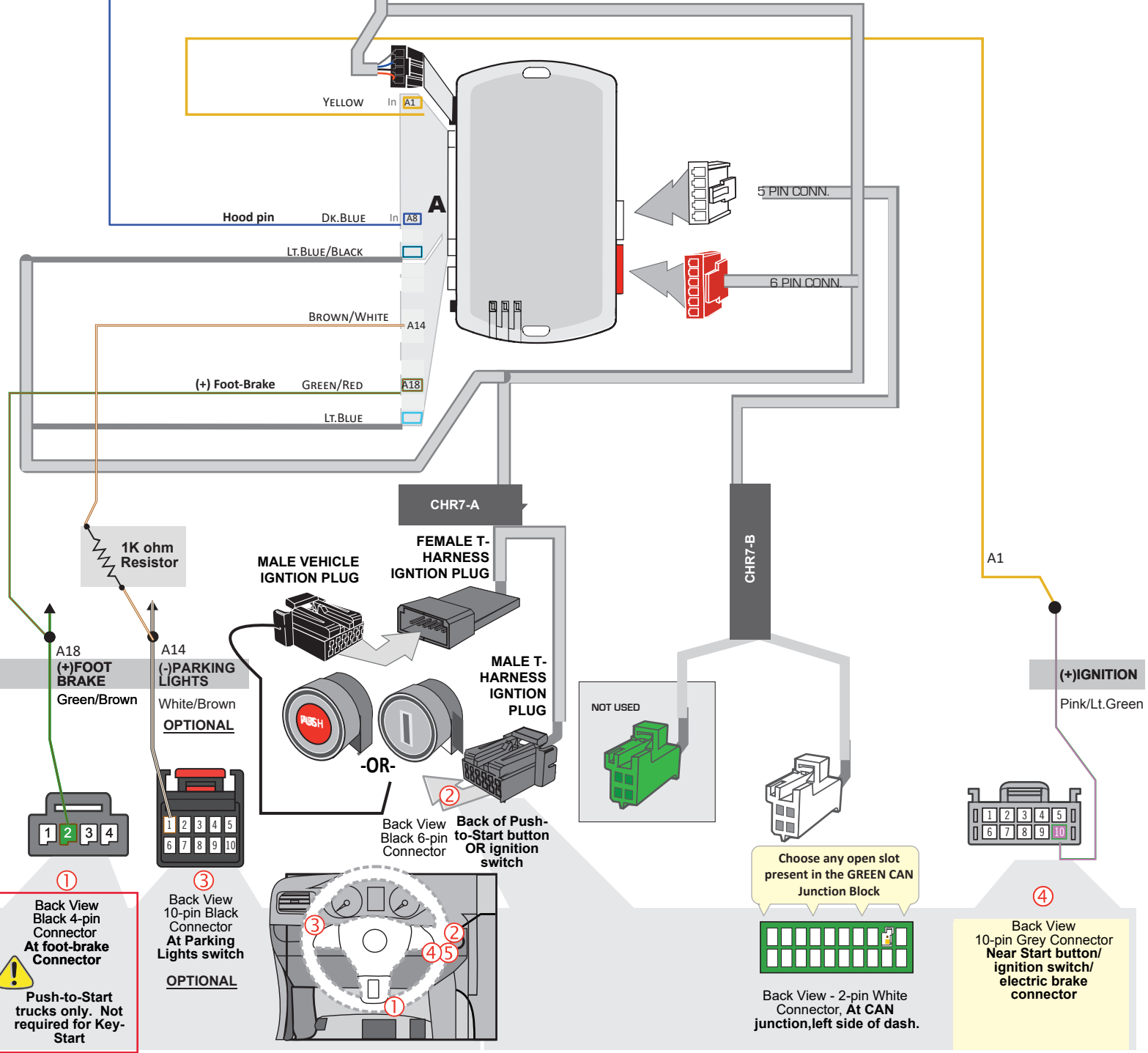
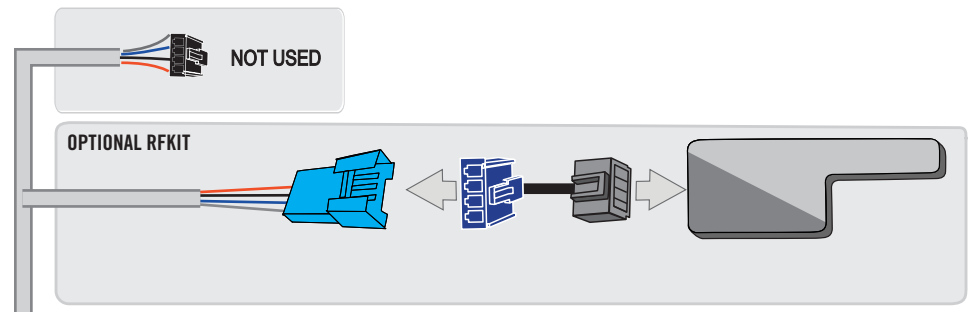
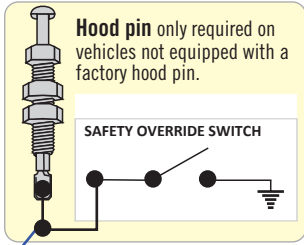


Foot Brake connector



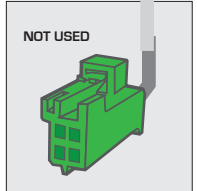
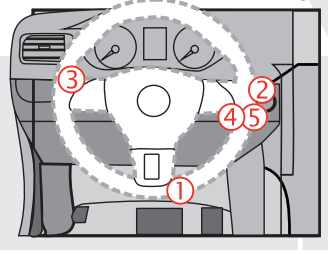
System Wiring Overview

NOTE: The CHR7A wiring harness includes a bundle of loose wires. Depending on your vehicle and options choices you will need up to three of these wires. The remaining wires can be cut short and taped up.



① Back View Black 4-pin Connector At foot-brake Connector
 Push-to-Start trucks only. Not required for Key-Start

③ Back View 10-pin Black Connector At Parking Lights switch
 OPTIONAL



Choose any open slot present in the GREEN CAN Junction Block
 Back View - 2-pin White Connector, At CAN junction, left side of dash.

④ Back View 10-pin Grey Connector Near Start button/ignition switch/electric brake connector

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 Make the connection for +12v Ignition (connection A1 in the diagram on Page 4). On the remote start, it's the Yellow wire that's part of the bundle of loose wires attached to the CHR7A harness. In the vehicle it will be in the 10-pin grey electric brake module connector located near the ignition switch/push-to-start button. See photos on Page 3. Tap the Yellow wire from the remote start on to the Pink/Light Green wire in the connector. This is the only required wire-on-wire connection if you have a key-start truck.

3.3 For Push-to-Start trucks only - connect the Green/Red wire from the loose bundle to on to the Green/Brown wire at pin position 2 on the brake connector. (connection A18 in the diagram on Page 4, photo on Page 3)

3.4 Connect the CHR7-B T-Harness. At the left end of the dash, use a pry tool to remove the plastic cover then locate the green CAN junction block behind it. Plug the WHITE CAN connector in to any open slot in the GREEN block. The Green CAN connector on the CHR7-B is not used.

3.5: Optional wiring connections

Parking lights - This will serve as a visual indicator that the vehicle is running. If you wish to have this option, locate the Brown/White wire in the bundle of unused, loose wires. Attach that to the White/Brown parking light wire at the back of the parking light switch Pin position 1 as shown in the system wire diagram (connection A14). Put a 1K-ohm resistor in line. To assist with identification, a photo of the back of the parking light switch can be found on Page 3.

This is a 'tap-on' connection. Do not cut the White/Brown parking light wire in the vehicle.

Hood Pin - This is an important safety feature. It de-activates the remote start while the hood is open to prevent injury from accidental remote starting while working under the hood. Most Ram trucks will have an OEM hood pin that is read by the remote start module. In these vehicles, installation of the aftermarket hood pin is unnecessary. If you are uncertain as to whether or not your truck had factory hood pin - after you complete the remote start installation and test the system, try remote starting the vehicle with the hood open. If the vehicle will not start, you have a factory hood pin. If the vehicle does start, you do not.

If you install the hood pin, it must be mounted so that:

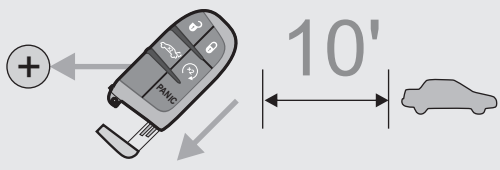
- a. The body of the pin is mounted to metal
- b. The pin is depressed when the hood is closed and released when the hood is open. If you install the hood pin and the truck does not start after completing programming, check the LEDs on the remote start module. If the red LED flashes 5 times after pressing 3x lock, that means the pin is not being pushed down when the hood is closed and needs to be repositioned.

Connect the Dark Blue wire from the loose wire bundle to the hood pin (you may need to extend the wire). The ground signal from the hood pin on that Dark Blue wire will disable the remote start system.

Valet Switch - The valet switch can also be used to disable the system.

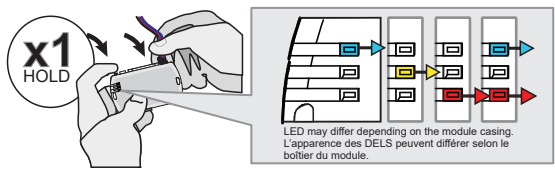
- a. Connect one side of the switch to the Dark Blue wire from the loose wire bundle
- b. Connect the other side of the switch to ground

Step 4: Programming for Push-To-Start Trucks (programming for key-start trucks is on Page 9)



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.

1



LED may differ depending on the module casing.
L'apparence des DELS peuvent différer selon le boîtier du module.

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

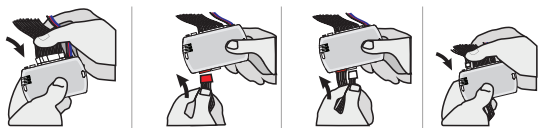


Release the programming button when the LED is **YELLOW**.

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

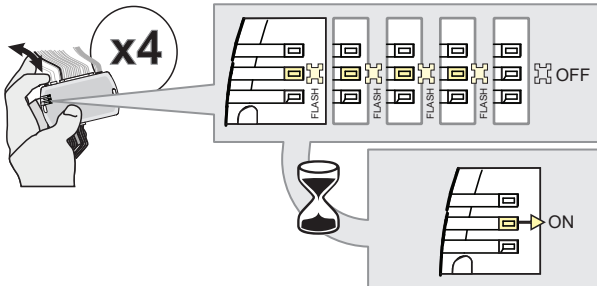


3



Insert the required remaining connectors.

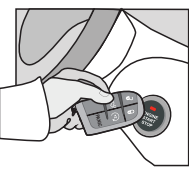
4



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

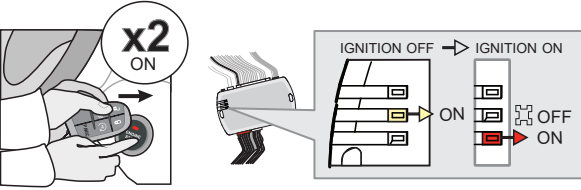
↳ The YELLOW LED will alternate between 4x flashes and a pause.
 ↳ Wait until the YELLOW LED turns ON.

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.

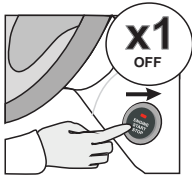
6



Press the Start/Stop button twice to turn ON the ignition.

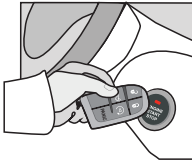
↳ The RED LED will turns ON.
 ↳ The YELLOW LED turns OFF.

7



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

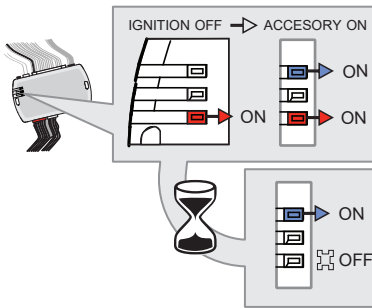
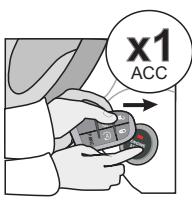
8



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



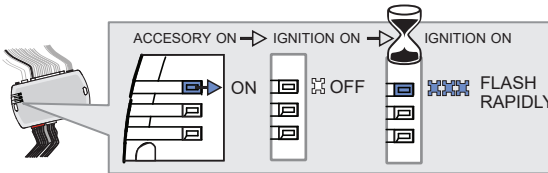
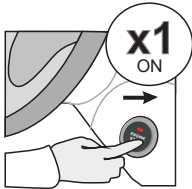
Press and release the START/STOP button once to turn ON the ACCESORY.

↳The RED and BLUE LED will turns ON.

↳Wait for The RED LED to turns OFF

↳BLUE LED remains solide.

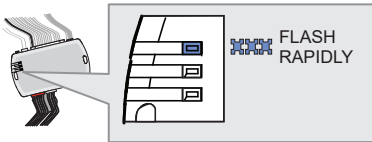
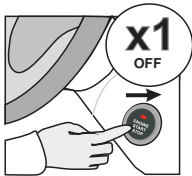
10



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

↳Wait until the BLUE LED flash rapidly.

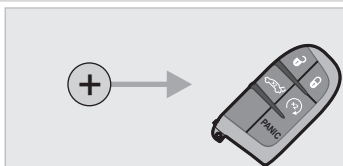
11



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

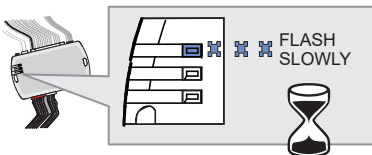
↳The BLUE LED continues to flash rapidly.

12



Reinsert the battery in the OEM remote.

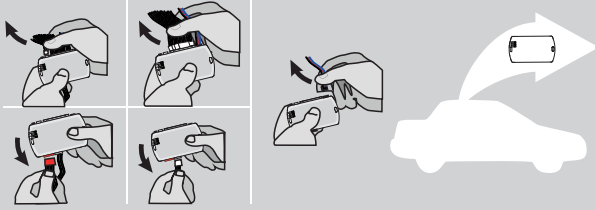
13



Unlock the doors with the OEM remote.

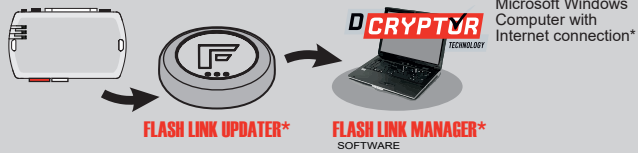
↳Wait until the BLUE flash slowly.

14



Disconnect all the connectors and after the Data-Link (4-pins) connector.

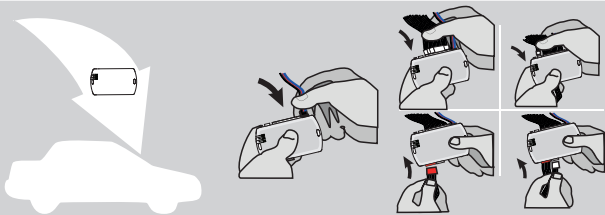
15



Use the tool: **FLASH LINK UPDATER** to visit the DCryptor menu.

See instructions on Page 11. Do not attempt to remote start until you have completed the DCryptor process

16



AFTER DCRYPTOR PROGRAMMING COMPLETED
Go back to the vehicle and reconnect the 4-Pin (Data-Link) connector and after, all the remaining connector.



The module is now programmed.

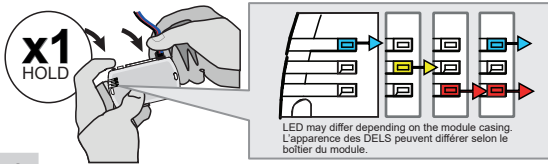


REMOTE STARTER VERIFICATION PROCEDURE

Test the remote starter. **Remote start** the vehicle

Step 4: Programming for Key-Start Trucks

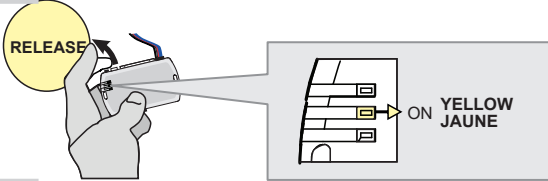
1



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

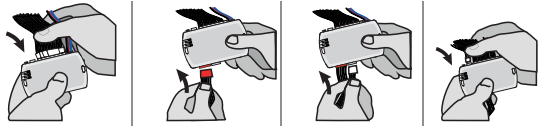
↳ The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.

2



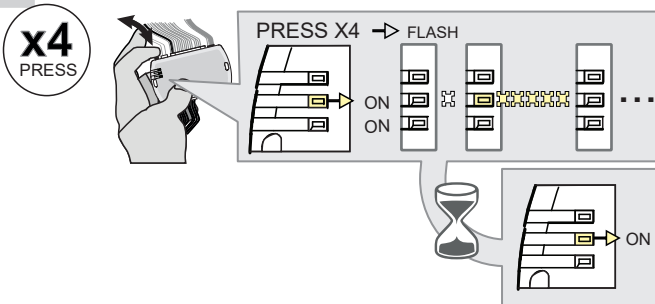
Release the programming button when the LED is YELLOW.

3



Connect the required remaining harnesses.

4



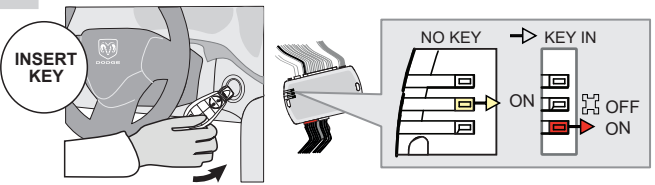
Press and release the programming button four (4x) times.

↳ The YELLOW LED will flash 4 times each second.

↳ WAIT for the YELLOW LED to turn ON solid.

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

5

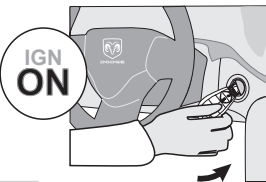


Insert the key into the ignition barrel.

DO NOT turn ON the key.

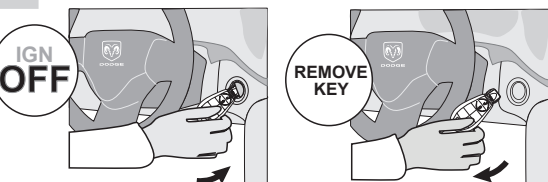
Wait,

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



Turn the Ignition to the ON/RUN position.

6

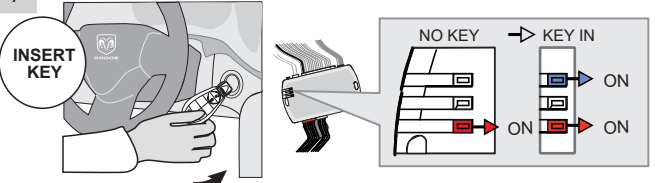


Turn the Ignition to the OFF position.

Remove the key from the Ignition barrel.

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

7



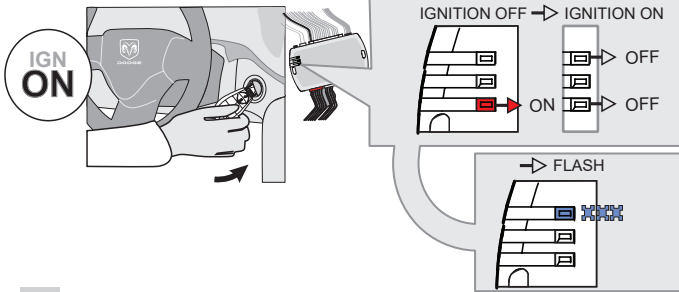
Reinsert same key into the ignition barrel.

DO NOT turn ON the key.

↳ The BLUE will turn ON.

CONTINUED NEXT PAGE

8



Turn the Ignition to the ON/RUN position.

↳ The RED and BLUE will turn OFF.

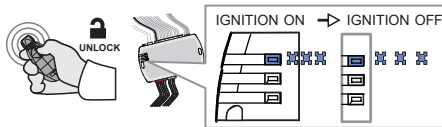
↳ The BLUE LED will flash rapidly.

9



Turn the Ignition to the OFF position.

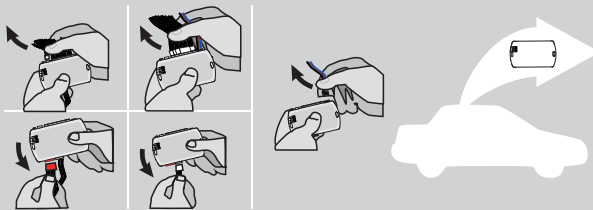
10



Unlock the doors with the OEM remote.

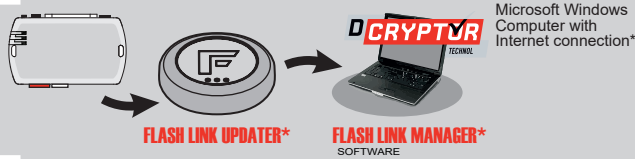
↳ Wait until the BLUE flash slowly.

11



Disconnect all the connectors and after the Data-Link (4-pins) connector.

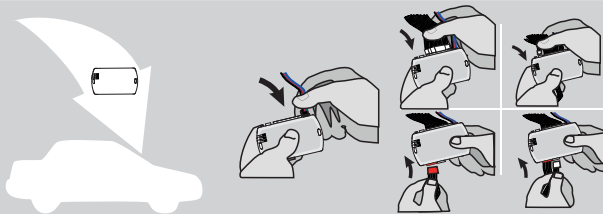
12



Use the tool: FLASH LINK UPDATER or FLASH LINK MOBILE to visit the DCRYPTOR menu.

Instructions on Page 11.

13



AFTER DCRYPTOR PROGRAMMING COMPLETED Go back to the vehicle and reconnect the 4-Pin (Data-Link) connector and after, all the remaining connectors.



The module is now programmed.



REMOTE STARTER VERIFICATION PROCEDURE

Test the remote starter.

How to Do The Dcryptor Process

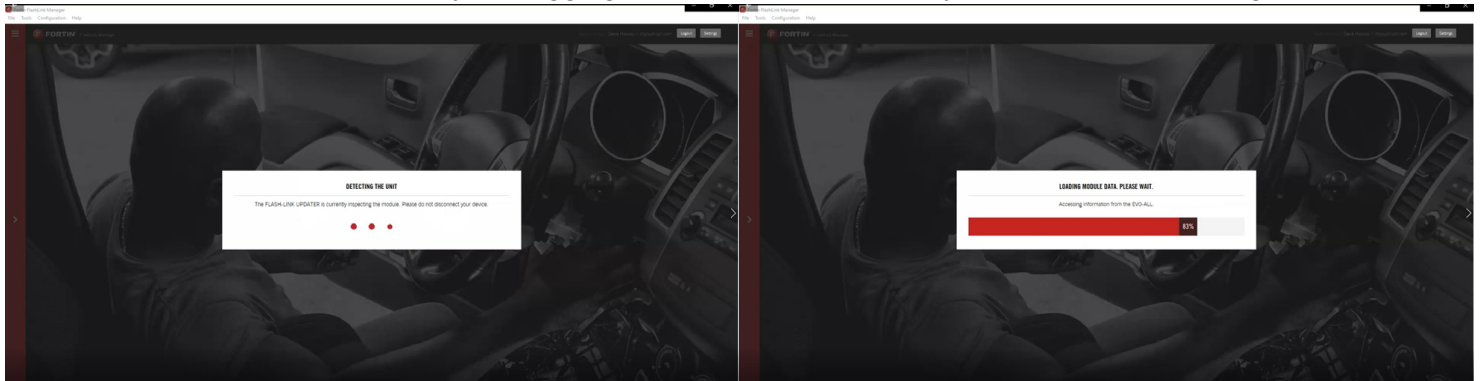
As part of the initial programming procedure, the remote start module will read the digital code from your key that overrides the anti-theft system. Doing the Dcryptor programming permanently writes that code in to the remote start's memory.

Start by bringing the remote starter module to your computer and plug it into the supplied four-pin plug from the Flashlink Updater

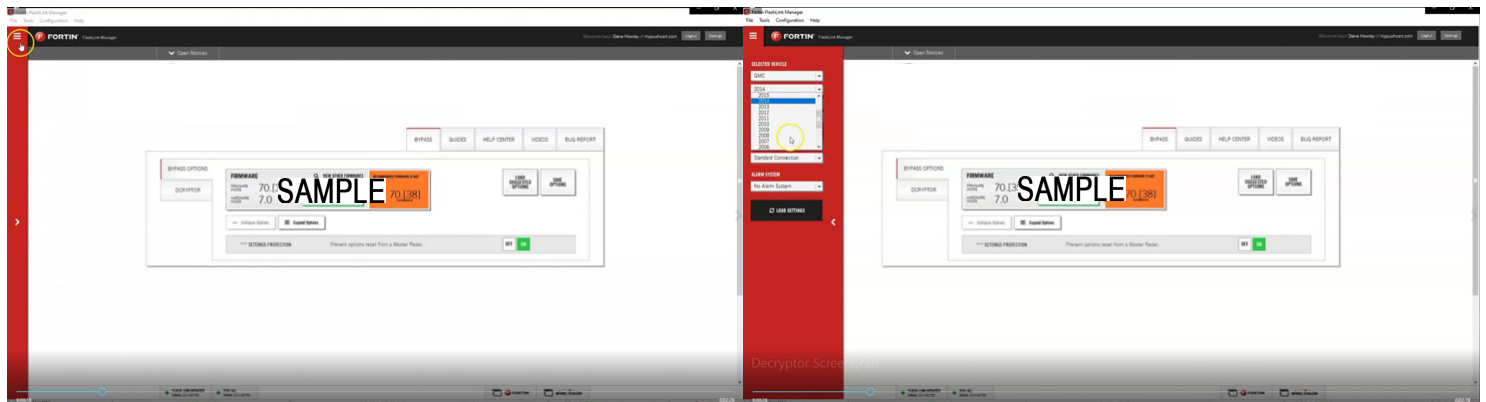
For a video on how to do these steps visit:
www.kleinn.com/flashlink



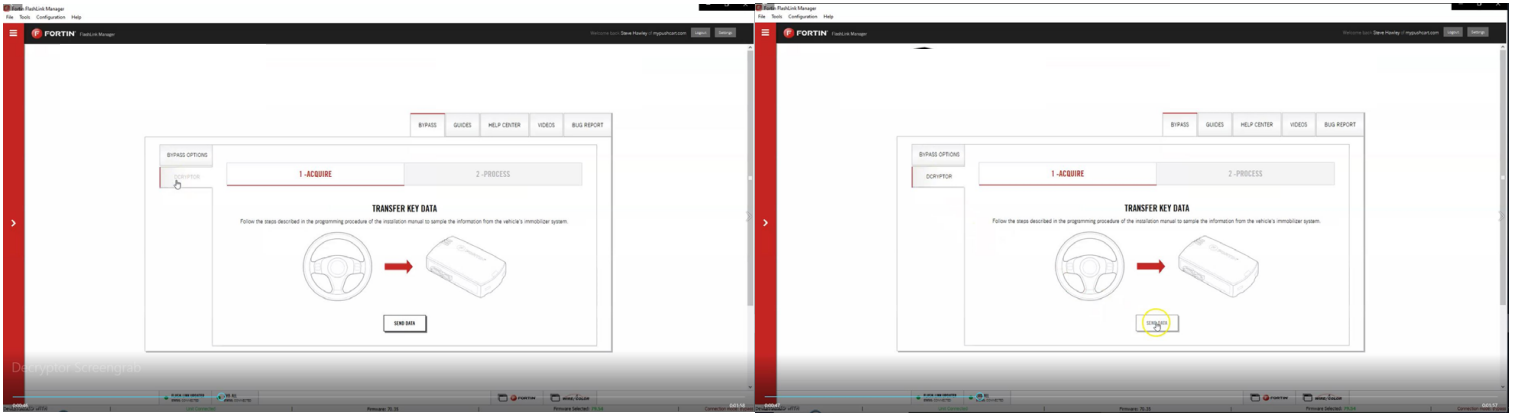
The software will detect you plugging it in and will automatically load the current settings.



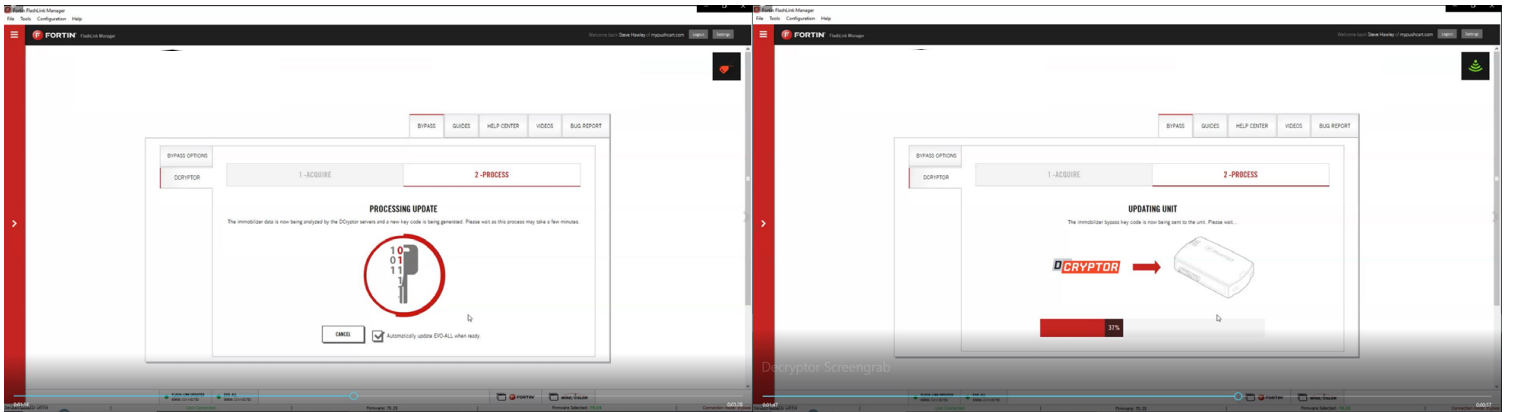
The first step is to select your vehicle. Click the three bars at the top of the Red bar on the upper left corner of the screen. Select your make, year, model, key type and then click load settings. **Do not change any other dropdowns or any options - we have already done these settings for you.**



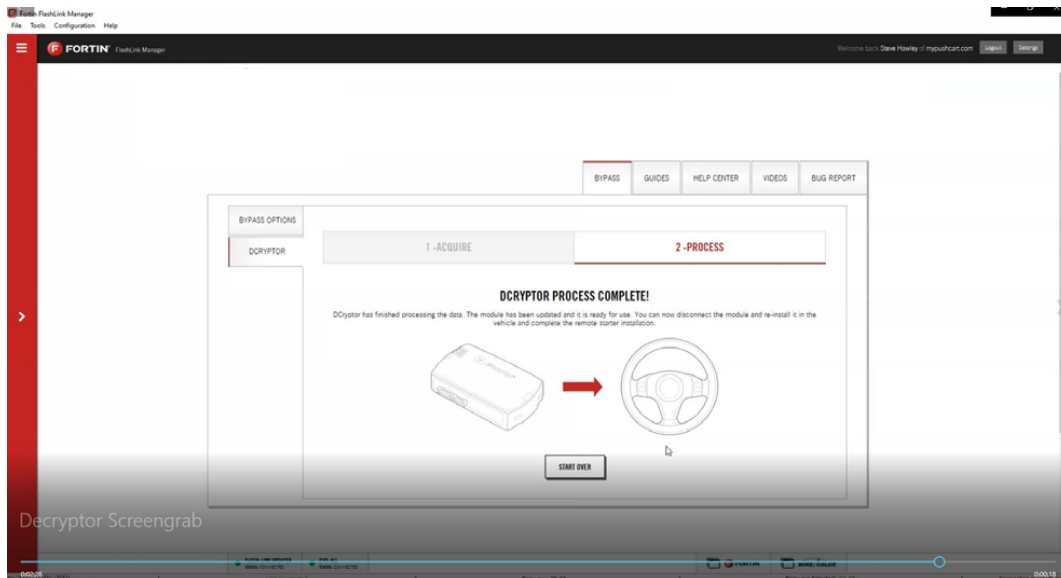
Next, click the Dcryptor tab. Then click on the Send data button.



Wait while the updater reads data from the remote starter. Once it is done it will update the remote starter 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.



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



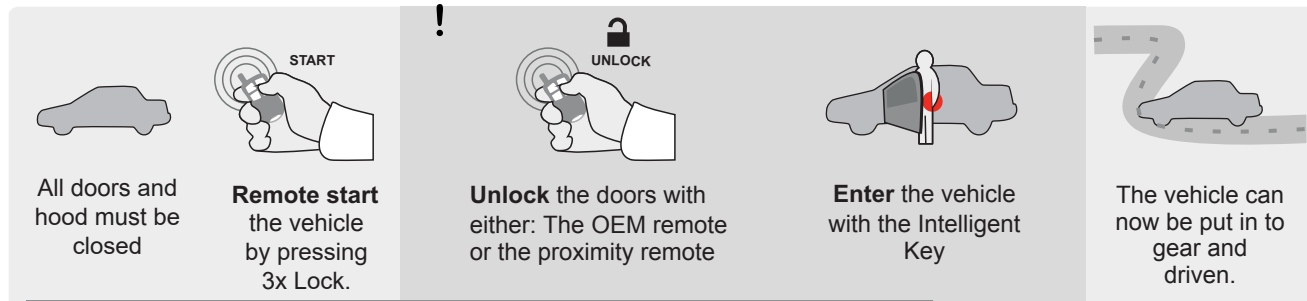
Step 5: Test the System

1. Press the 'lock' button 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 button.
2. Step on the brake pedal to stop the engine.

Step 6: 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!**

Functionality - Push-To-Start Trucks



All doors and hood must be closed

START
Remote start the vehicle by pressing 3x Lock.

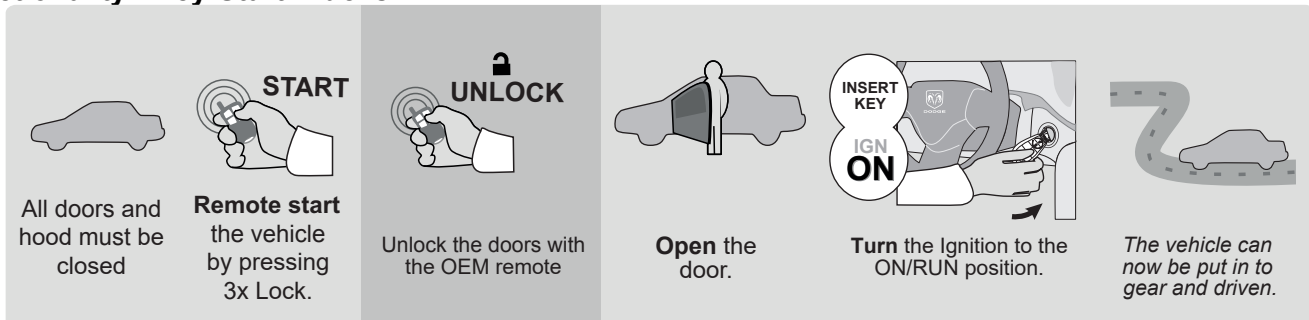
UNLOCK
Unlock the doors with either: The OEM remote or the proximity remote

Enter the vehicle with the Intelligent Key

The vehicle can now be put in to gear and driven.

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

Functionality - Key-Start Trucks



All doors and hood must be closed

START
Remote start the vehicle by pressing 3x Lock.

UNLOCK
Unlock the doors with the OEM remote

Open the door.

INSERT KEY
IGN ON
Turn the Ignition to the ON/RUN position.

The vehicle can now be put in to gear and driven.

! **OFF** If the procedure is not followed the vehicle will shut down as soon as the brake is pressed even if the key is turned ON.

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

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