

Toyota (Push-to-Start)									
Tacoma			16	17	18	19			
C-HR					18	19	20	21	22
Highlander	14	15	16	17	18	19			
Highlander Hybrid	14	15	16	17	18	19			
Sequoia							20	21	22
Land Cruiser			16	17	18				

* For Automatic Transmission, Push Button Start Vehicles Only

Introduction:

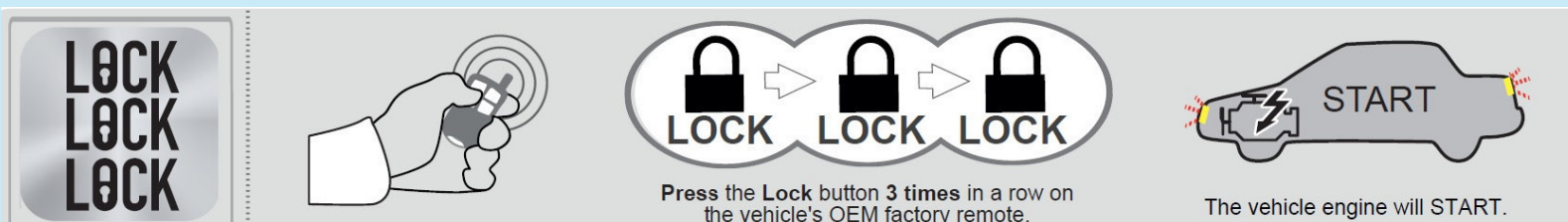
FOLLOW THIS GUIDE CLOSELY, ONLINE INSTALL VIDEOS MAY NOT SHOW IMPORTANT CONNECTIONS

- **Pre-flashed Module:** The correct firmware is installed on the remote start module. No programmer needed.
 - **Programming:** After completing all connections, simply program the module to the vehicle in Step 3.
 - **Activation:** Press the OEM lock button 3 times to remote start the vehicle.
 - **For 2014-2019 Toyota Vehicles:** 100% plug and play utilizing our pre-wired T-harness.
 - **Important Note For 2020–2022 Toyota C-HR and Sequoia Remote Start Activation:**
 - **Door Shut-Off Feature:** Opening the door will turn off the remote-started engine. This is standard operation and is a Toyota factory security setting and cannot be changed or disabled.
- ***Factory Key Fob:** Using your original key fob to remote start the vehicle requires cutting and splicing a Telematics (TPMS) wire during installation, See Steps 2.1, 2.4, & 2.5 for details.
- ****Skip the Wire Cutting:** You can completely avoid cutting any factory wires by adding an RF Remote or Smartphone Control Upgrade Kit.

[Click Here for Remote Control Upgrade Options](#)

Activation:

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



Parts Required:

- EVO-ALL Module Pre-Flashed (79.XX,D1,D1.6,D1.10,D6,H2)
- THAR-TOY6B - T-Harness
- Telematics Wiring extensions Required on 2020-2022 Vehicles

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.

Step 1: Preparation

Remote Start Module – the wiring for the module is done under the dash on the driver's side, you'll want to install the module in that general area. Before you start wiring, look for a location with some open space that will fit the module. Pay attention to moving parts like the pedals, e-brake and steering column. Route your wiring away from those areas.

Accessing the connectors for the T-Harnesses:

- Set the parking brake and without pressing the foot brake press the push to start button twice to turn the ignition on.
- Turn the steering wheel to the right to access a screw and remove the screw.
- Turn the steering wheel to the left to access the screw on the other side and remove the screw. Use a plastic pry tool to separate the top and bottom half of the steering column cover.
- Pull the bottom cover down to separate the two halves.
- Turn the ignition off by pressing the push to start button one time. The steering lock connector is now accessible at underside of the steering column.
- Remove the side dash panel and lower dash panel. It should be held on by a few clips.
- Once the side panel is off make sure there are not any screws holding the lower dash panel on. Most vehicles do not have any screws, the lower dash is secured by plastic clips. Gently pull the plastic panel and it will come unclipped.
- You will now see the ECU on the left side of the dash.

Table of Contents:

Application chart and Introduction. Page 1

Step 1: Preparation. Page 2

Step 2: Wiring Diagram for 2016-2019 Vehicles. Page 3

Step 2.1: Wiring Diagram for 2020-2022 Vehicles. Page 4

Step 2.2: Steering lock main T-harness connection all vehicles Page 5

Step 2.3: ECU T-harness connection all vehicles. Page 6

Step 2.4: 2020-2024 C-HR TPMS Wire connections. Page 10

Step 2.5: 2020-2022 Sequoia With SOS button on the roof TPMS Wire connections. Page 11

Step 3: Programming the module in the vehicle. Page 12

Steps 4-5: Testing the system and finishing up. Page 13



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)

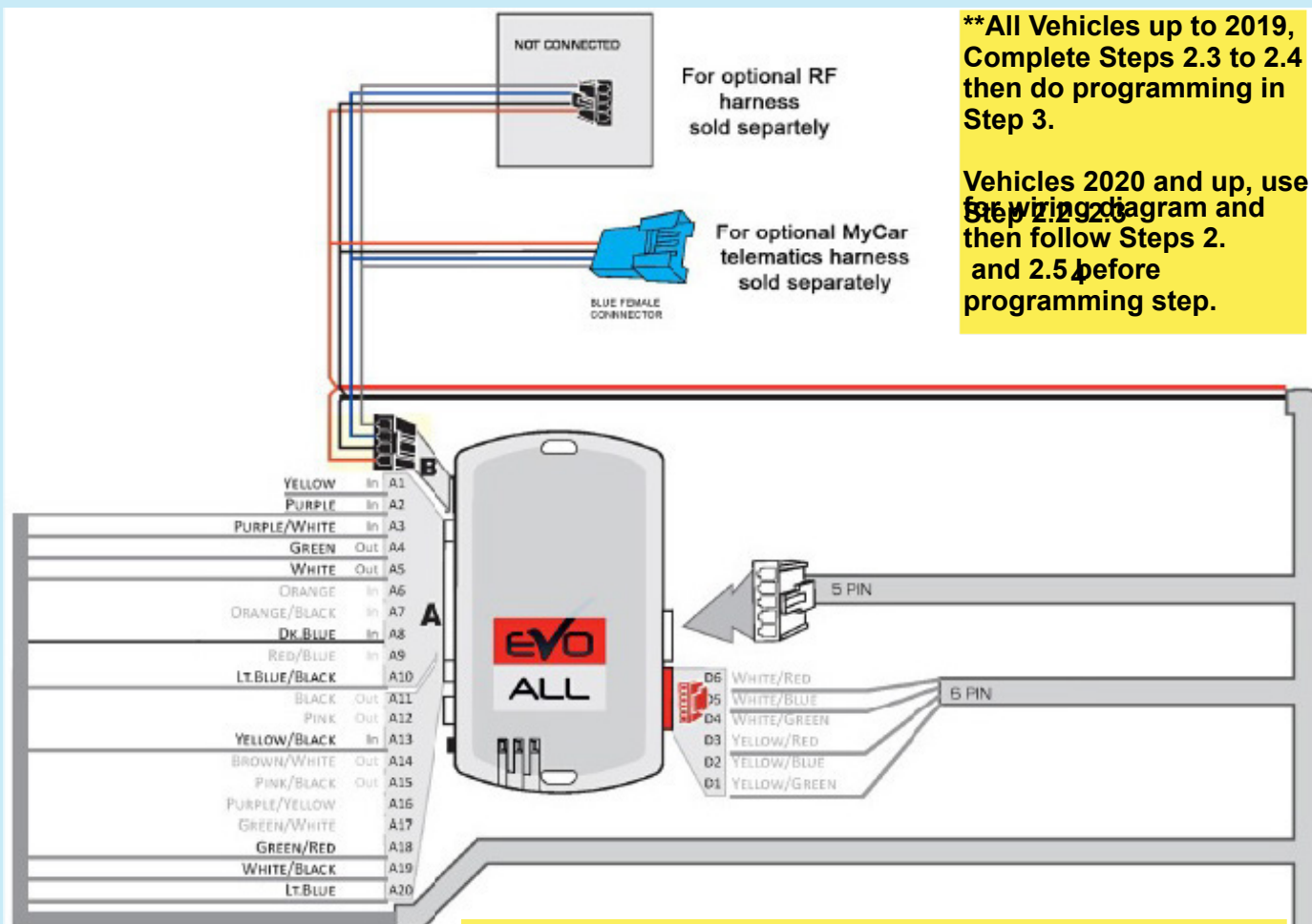
If any connections were plugged in before programming, disconnect all plugs from the EVO-ALL module with the Black 4-pin disconnected LAST

Step 2: System Diagram 2016-2019 ONLY (See Step 2.1 for 2020+ Diagram)

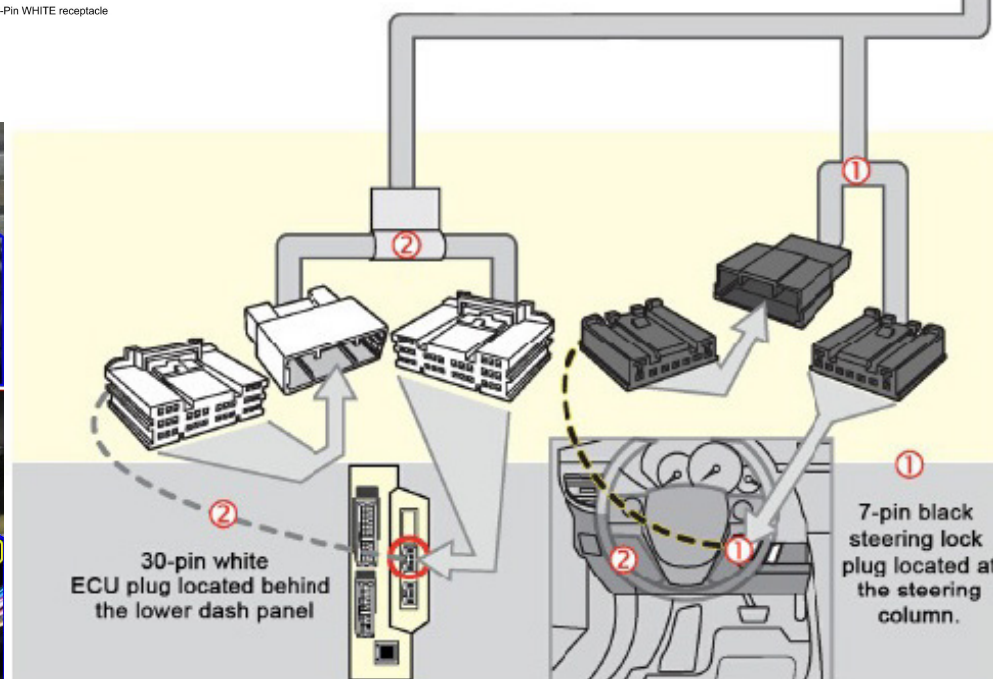
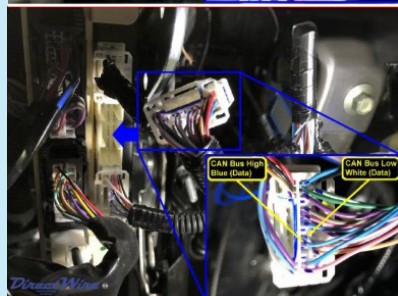
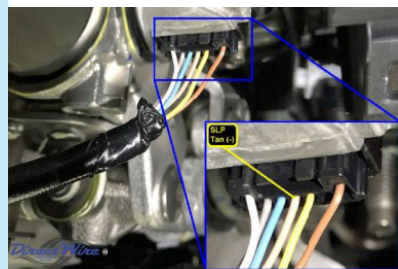
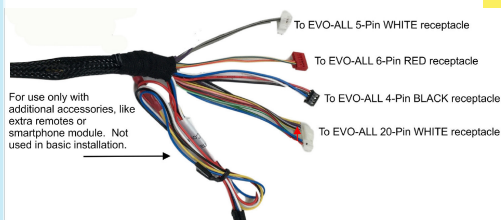
Application: 2016-2019 Tacoma | 2018-2019 C-HR
2014-2019 Highlander (Gas & Hybrid)
2016-2018 Land Cruiser

****All Vehicles up to 2019, Complete Steps 2.3 to 2.4 then do programming in Step 3.**

Vehicles 2020 and up, use for wiring diagram and then follow Steps 2. and 2.5 before programming step.



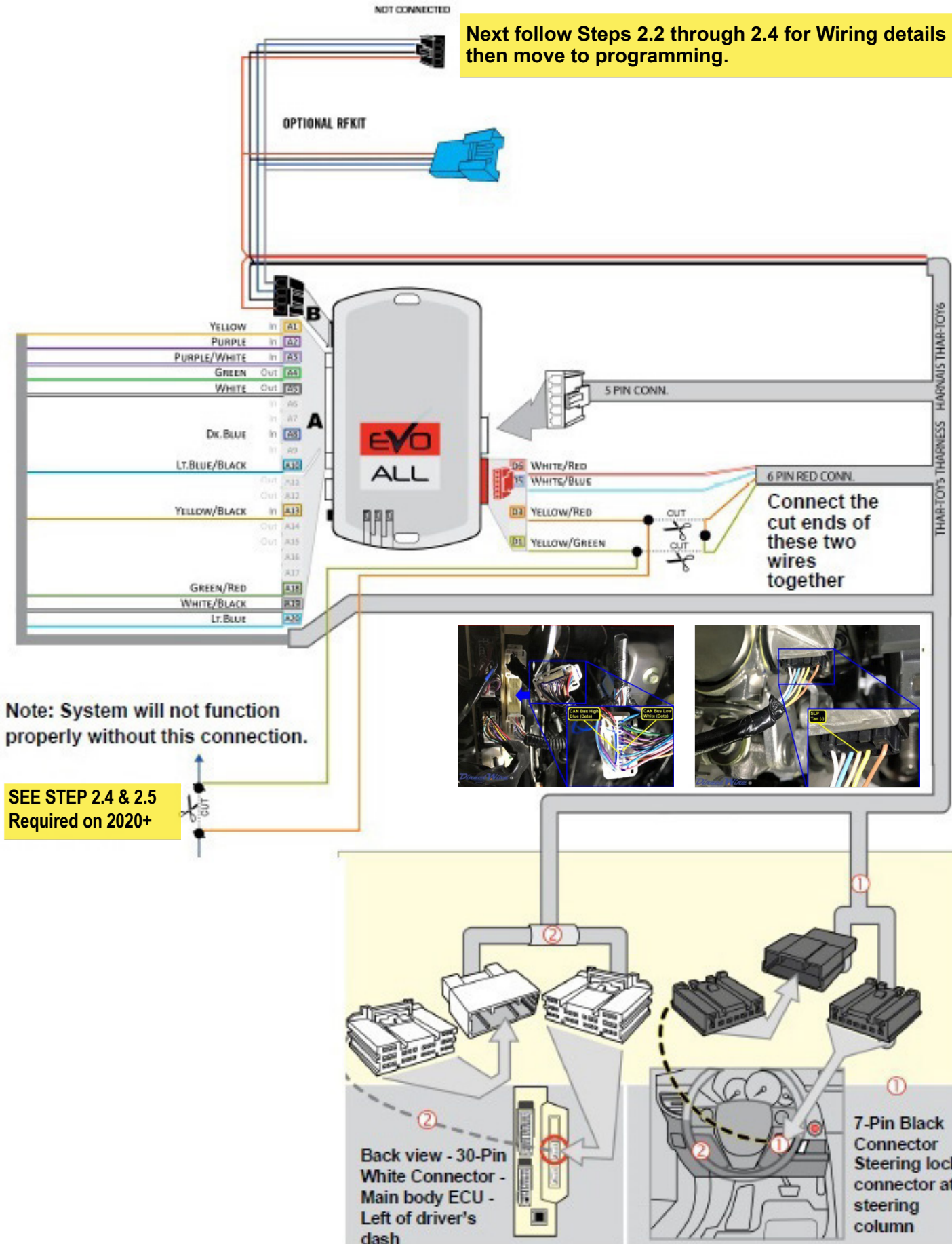
• The ECU and Steering Lock connections are plug-in T-harness connections. See pages 5-6 for details on these connections.



Step 2.1: System Diagram for 2020 - 2020 Vehicles

Application: 2020-2022 C-HR & 2020-2022 Sequoia

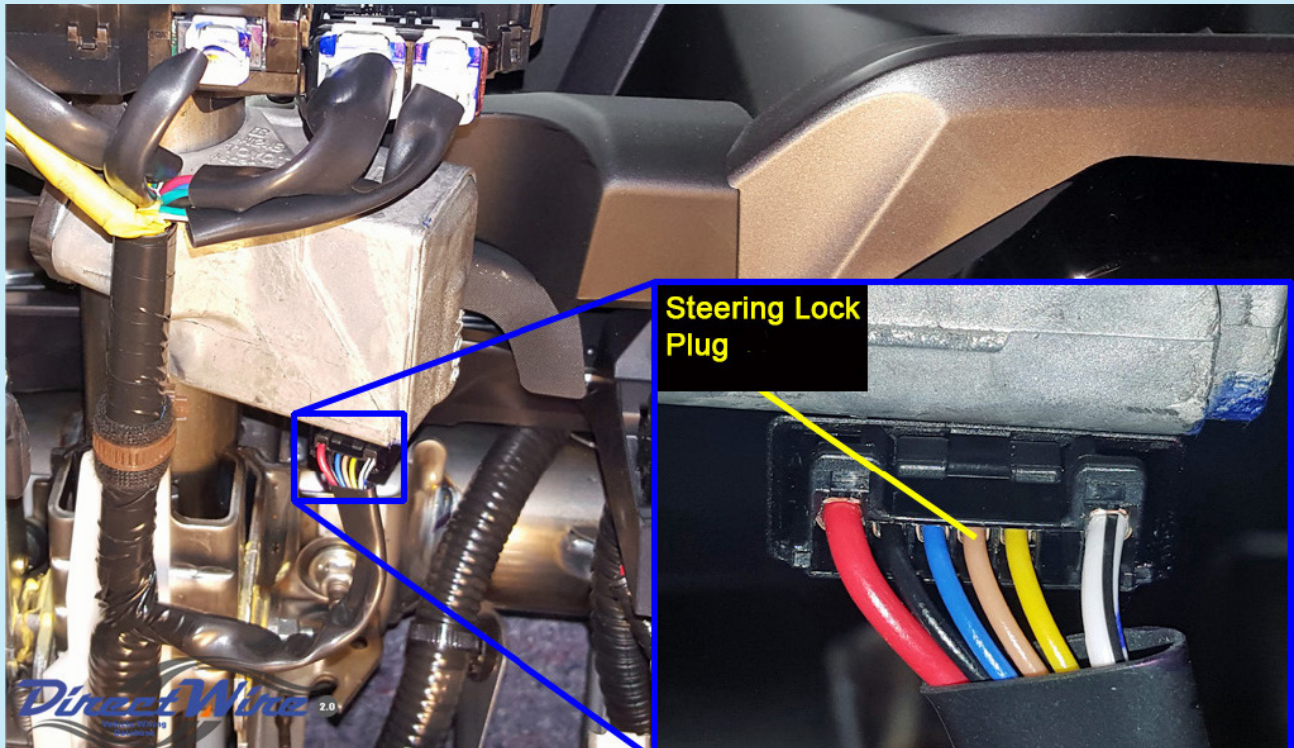
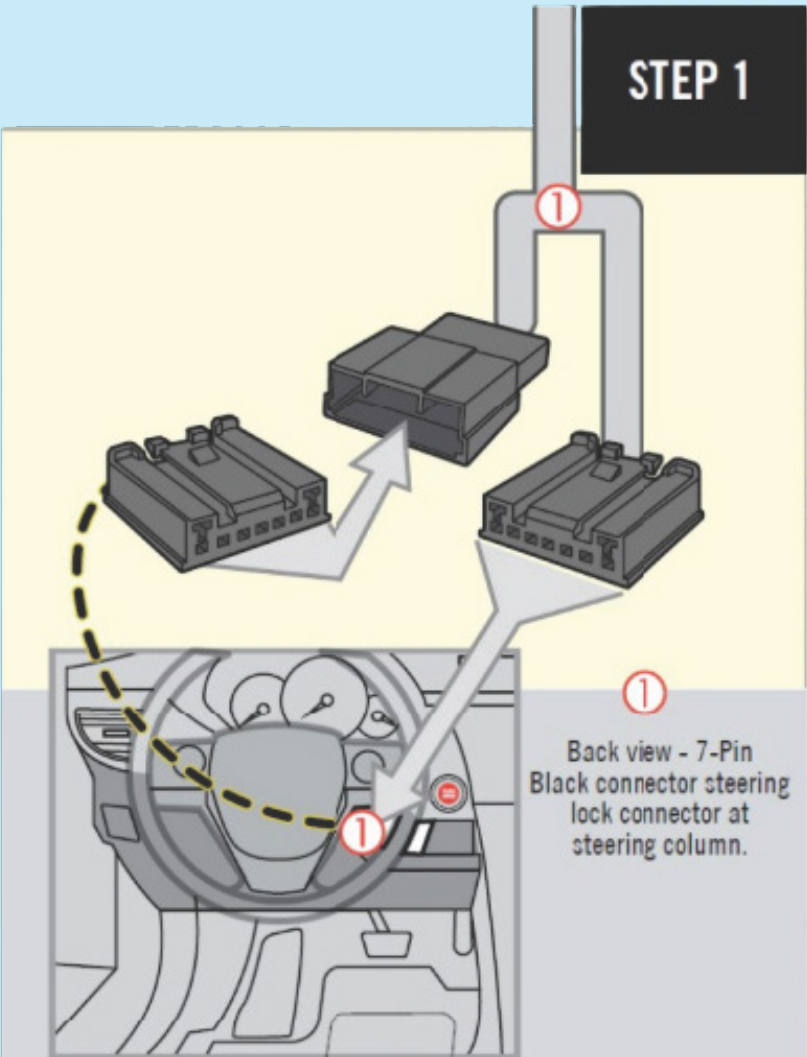
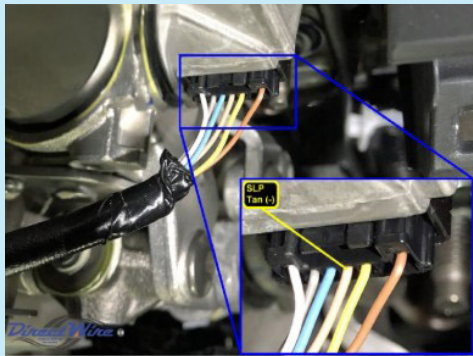
Next follow Steps 2.2 through 2.4 for Wiring details then move to programming.



Step 2.2: Connecting the Ignition T-Harness (All Vehicles)

Steering Lock plug located under the steering column shroud.

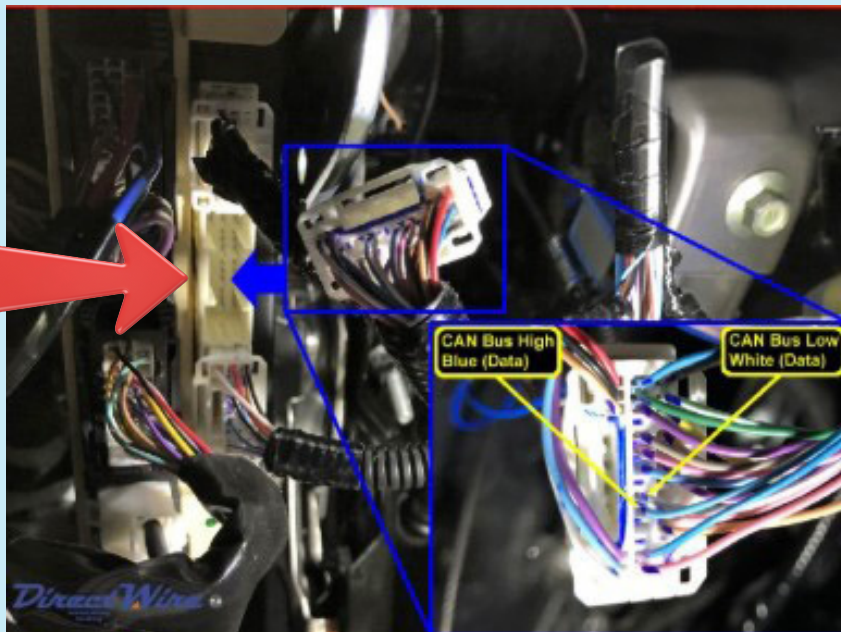
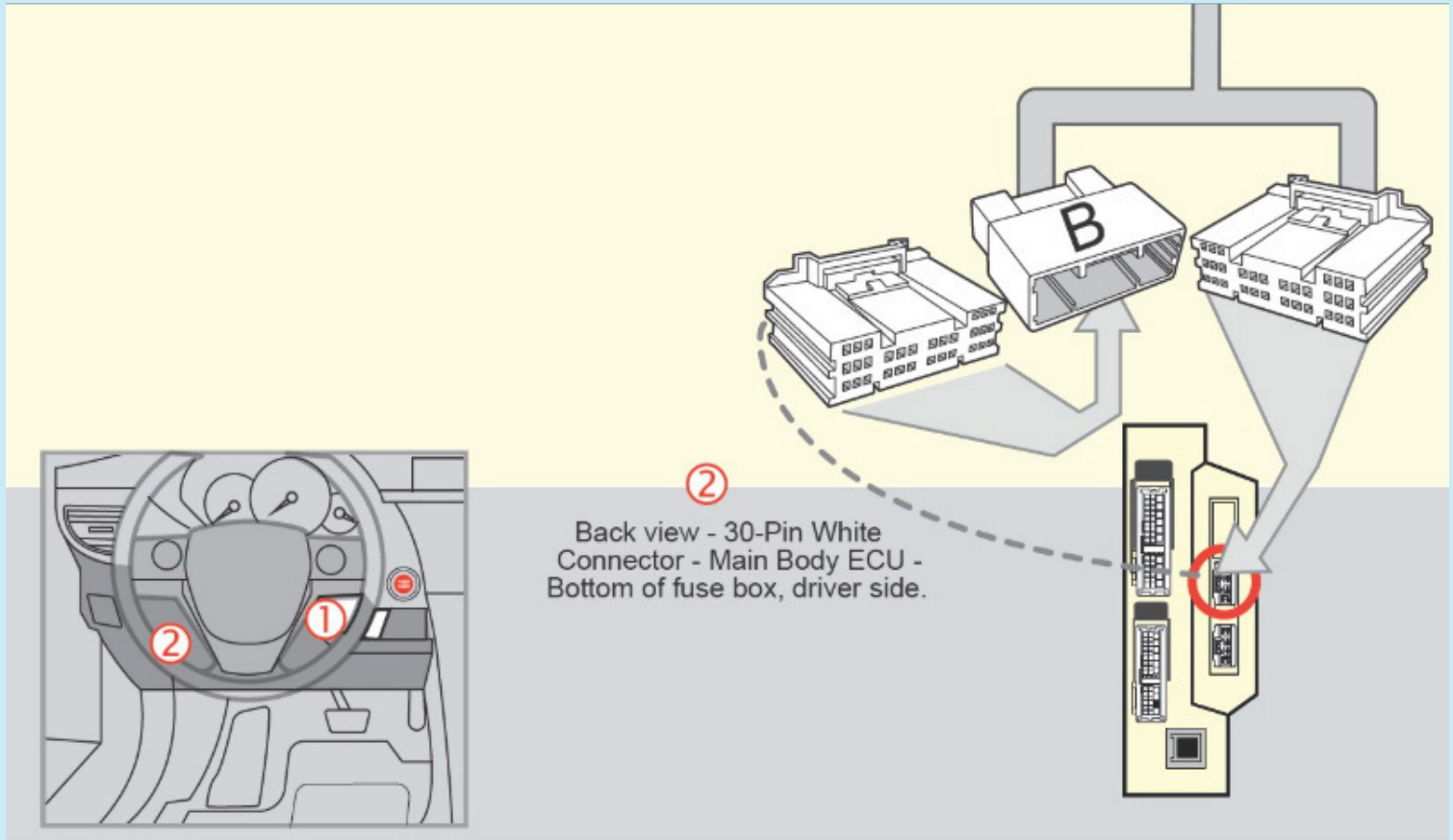
1. Locate the Steering Lock Connector on the underside of the steering column.
2. Unplug the OEM Steering lock plug, Insert the OEM plug in to the female receptacle on the T-harness.
3. Insert the male plug of the T-harness into the OEM Steering lock receptacle.



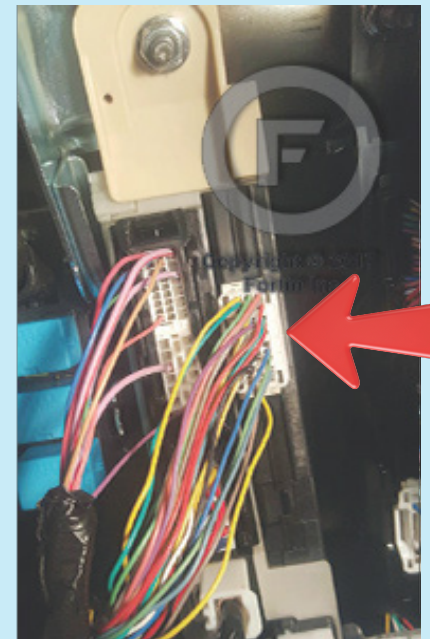
Step 2.3: Connecting the ECU T-Harness (All Vehicles)

ECU plug Located under the lower dash panel in the knee bolster area

1. The main body ECU is behind the dash on the left side. Unplug the 30 Pin plug from the ECU.
2. Insert the male connector from the T-harness in to the vacated center position on the ECU.
3. Insert the OEM plug in to the female receptacle on the T-harness.



(OR)

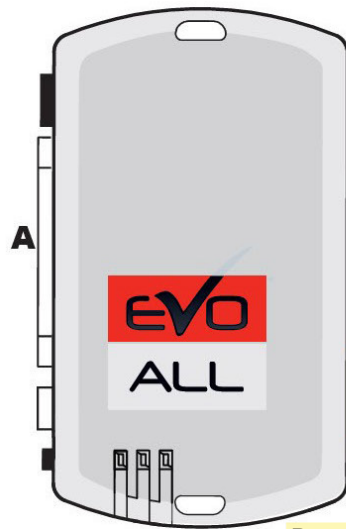


- Vehicles 2019 and under can proceed to Step 3 to program the module.
- 2020+ Vehicles need to make the wire connections shown in Step 2.4 & 2.5.

TELEMATICS CONNECTION

****All other 2020 & Up, see next pages for your vehicles TPMS Location**

1. LOCATE THE RED 6-PIN PLUG IN THE REMOTE START T-HARNESS. CUT THE YELLOW/RED & YELLOW/GREEN WIRES ABOUT HALF WAY BETWEEN THE RED PLUG AND WHERE THE WIRES ENTER THE T-HARNESS.
2. JOIN THE TWO 'HALVES' OF THE WIRES THAT GO IN TO THE T-HARNESS LOOM TOGETHER SHOWN IN THE IMAGE ON THE RIGHT WITH THE RED ARROW..
3. EXTEND EACH OF THE WIRES ON THE PLUG SIDE SEPARATELY WITH ENOUGH WIRE TO REACH THE FAR SIDE OF THE GLOVE BOX. ROUTE THE WIRES BEHIND THE CENTER CONSOLE AND TO THE PASS KICK.
4. THE TAN WIRE IN PIN 6 NEEDS TO BE CUT. YOU WILL NEED TO CONNECT OUR WIRES TO BOTH SIDES OF THE CUT SO MAKE THE CUT WITH AS MUCH SLACK AS POSSIBLE ON BOTH SIDES AND STRIP THE ENDS.
5. BUTT CONNECT THE YELLOW / GREEN WIRE TO THE CUT SIDE OF THE TAN WIRE GOING AWAY FROM THE PLUG.
6. BUTT CONNECT THE YELLOW / RED WIRE TO THE CUT SIDE OF THE TAN WIRE THAT GOES TOWARDS THE PLUG.

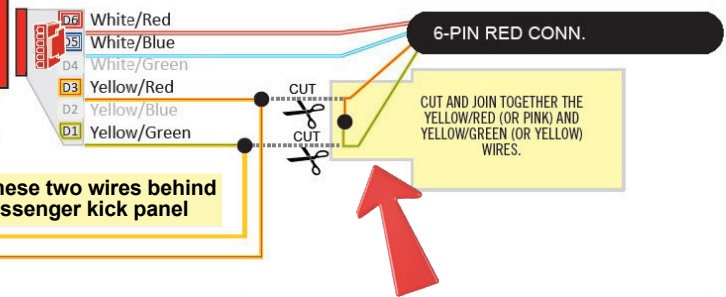


CUT these wires and make the Connections

- 1) CUT D3 Yellow/Red wire in half.
- 2) CUT D1 Yellow/Green wire in half.
- 3) Take Yellow/Red and Yellow/Green halves leading back to the t-harness and connect them together. As shown below

Make these connections and CUT for Telematics wires

- 1) CUT the Tan Telematics wire in half.
- 2) Take the Yellow/Red wire leading back to the Red 6-pin connector and connect it to the Tan Telematics wire leading back to the Telematics plug.
- 3) Take the Yellow/Green wire leading back to the Red 6-pin connector and connect it to the Tan Telematics wire leading away from the Telematics plug.



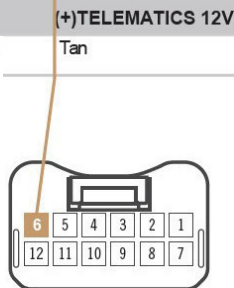
Run these two wires behind the passenger kick panel



C-HR

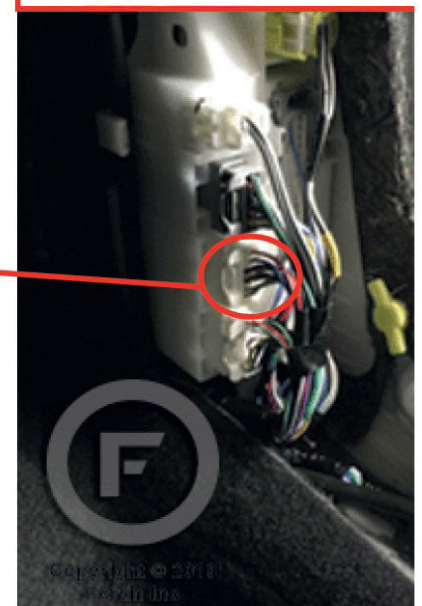
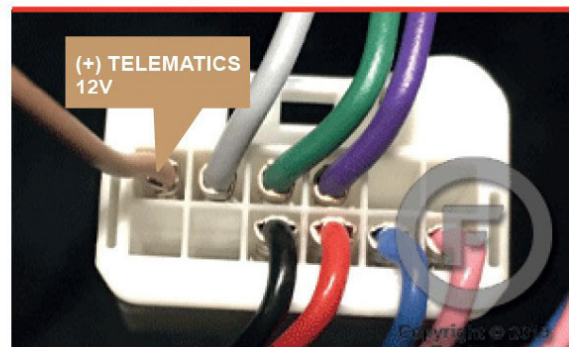
MAKING "TAP-ON" WIRE WRAP CONNECTIONS

1. Strip back one inch of insulation on the vehicle wire. One inch of Bare Wire
2. Separate the strands of the vehicle wire to create hole.
3. Insert the wire from the remote starter/bypass through the hole.
4. Wrap the wire around one side, then the other, and finally itself.
5. Lay the starter wire along side the vehicle wire.
6. Tape connection, and wire tie remote start/ bypass and vehicle wires together.



④ Back view White 12-pin Connector At passenger kick panel

TPMS WIRE IS LOCATED BEHIND THE PASSENGER SIDE KICK PANEL PICTURED

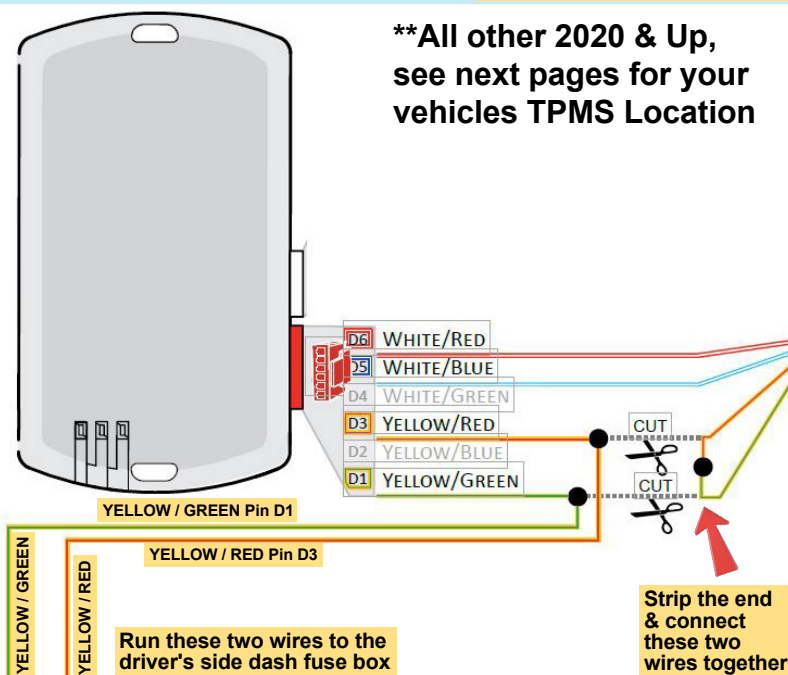


****C-HR owners can move on to Program in Step 3.**

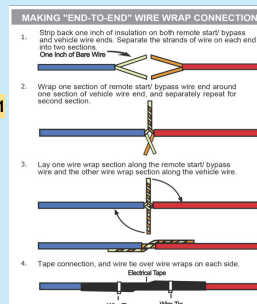
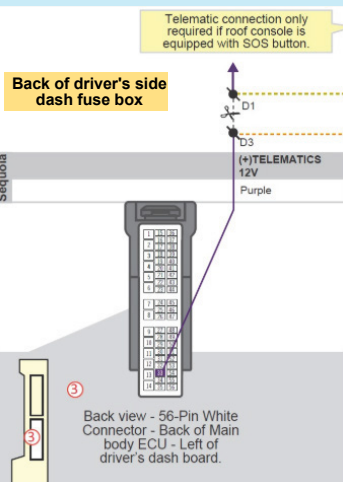
Step 2.5: 2020-2022 Sequoia w/ Roof SOS Button TPMS Wire Connection.

Only Required on Sequoia with Roof SOS button.

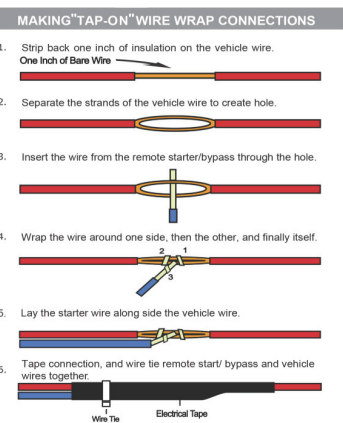
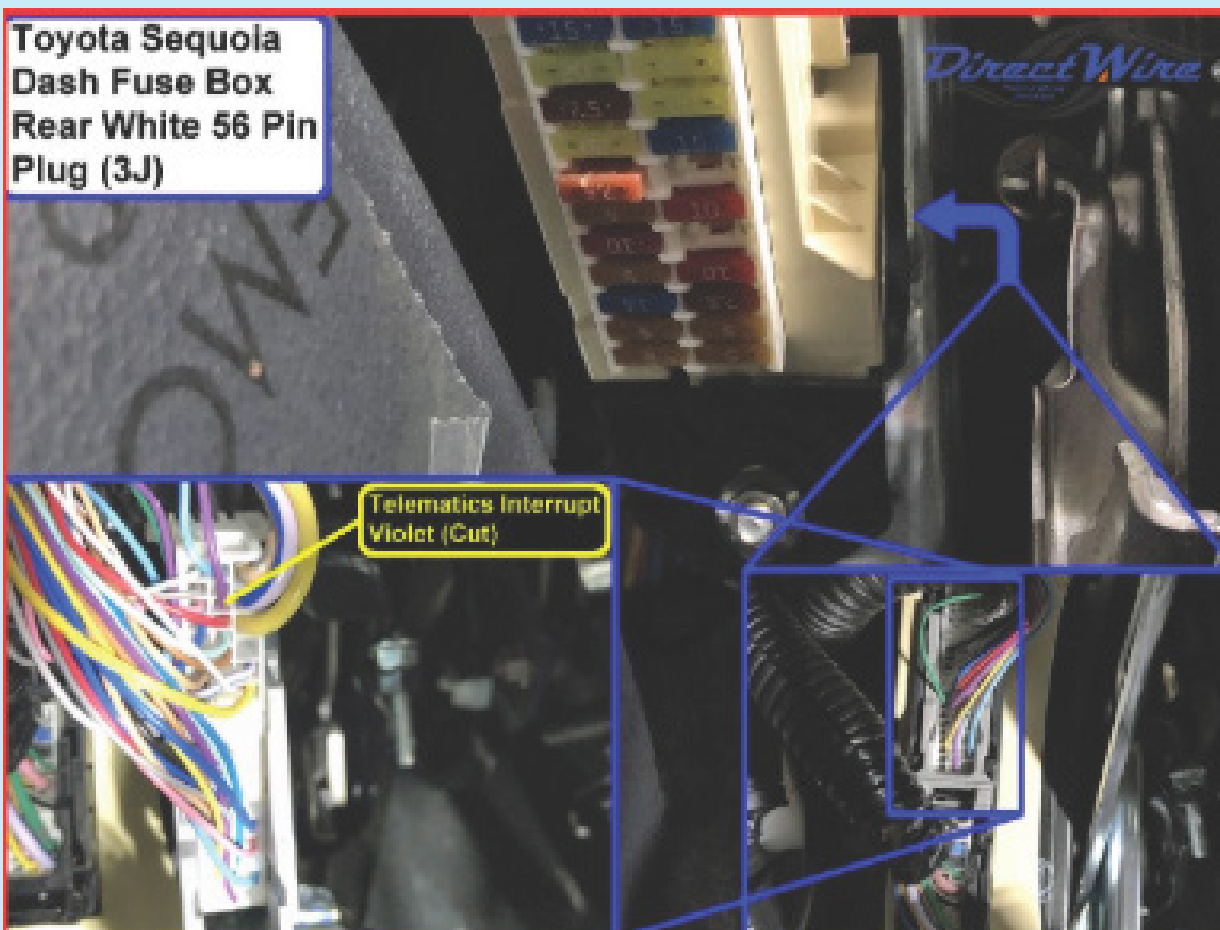
****All other 2020 & Up,
see next pages for your
vehicles TPMS Location**



1. LOCATE THE RED 6-PIN PLUG IN THE REMOTE START T-HARNESS. CUT THE YELLOW/RED & YELLOW/ GREEN WIRES ABOUT HALF WAY BETWEEN THE RED PLUG AND WHERE THE WIRES ENTER THE LOOM.
2. JOIN THE TWO 'HALVES' OF THE WIRES THAT GO IN TO THE T-HARNESS LOOM TOGETHER SHOWN IN THE IMAGE ON THE LEFT POINTED OUT WITH THE RED ARROW..
3. EXTEND EACH OF THE CUT WIRES THAT COME OUT OF THE RED PLUG SEPARATELY WITH ENOUGH WIRE TO REACH THE DASH FUSE BOX AND ROUTE THE WIRES DASH FUSE BOX AREA.
4. LOCATE THE DRIVER'S SIDE FUSE BOX UNDER THE LEFT SIDE OF THE DASH AND THE WHITE 56-PIN PLUG SHOWN IN THE PICTURE BELOW
5. THERE IS A PURPLE TELEMATICS WIRE IN PIN POSITION 33 OF THE WHITE 56 PIN CONNECTOR AT THE DASH FUSE BOX PLUG. THIS WIRE NEEDS TO BE CUT. YOU WILL NEED TO CONNECT WIRES ON TO BOTH SIDES SO MAKE THE WITH AS MUCH SLACK WIRE AS POSSIBLE ON BOTH SIDES AND STRIP THE ENDS OF EACH SIDE.
6. BUTT CONNECT THE YELLOW/RED WIRE FROM THE EVO RED PLUG TO THE SIDE OF THE CUT PURPLE WIRE THAT GOES TOWARDS THE OEM CONNECTOR.
7. BUTT CONNECT THE YELLOW/GREEN WIRE FROM THE EVO RED CONNECTOR TO THE SIDE OF THE CUT PURPLE WIRE THAT GOES AWAY FROM THE OEM CONNECTOR.



**Toyota Sequoia
Dash Fuse Box
Rear White 56 Pin
Plug (3J)**

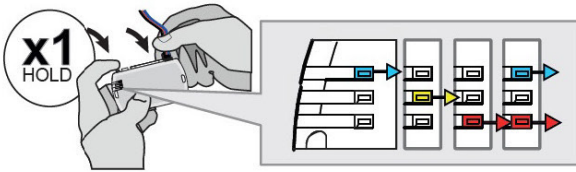


Step 3: Programming

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.

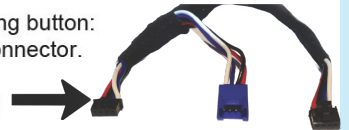
While holding the button down on the EVO-ALL (step 1 in the programming instructions), insert the black end of the power cable **WITHOUT** the locking tab into the EVO-ALL black receptacle.

1

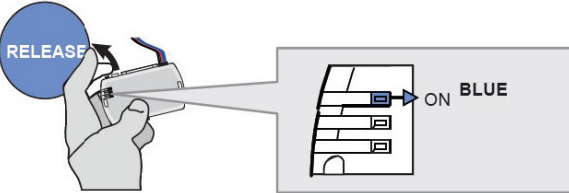


Press and hold the programming button:
Connect the 4-PIN Data-link connector.

↳ The BLUE, RED, YELLOW and BLUE & RED LEDs will alternatively illuminate.

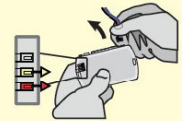


2

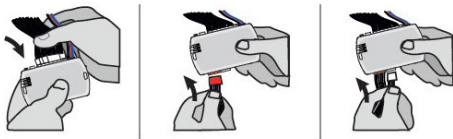


Release the programming button at the moment when the LED is BLUE.

If the LED does not remain solid BLUE after releasing the button, then **disconnect** the 4-Pin connector (Data-Link) and **go back** to step 1.

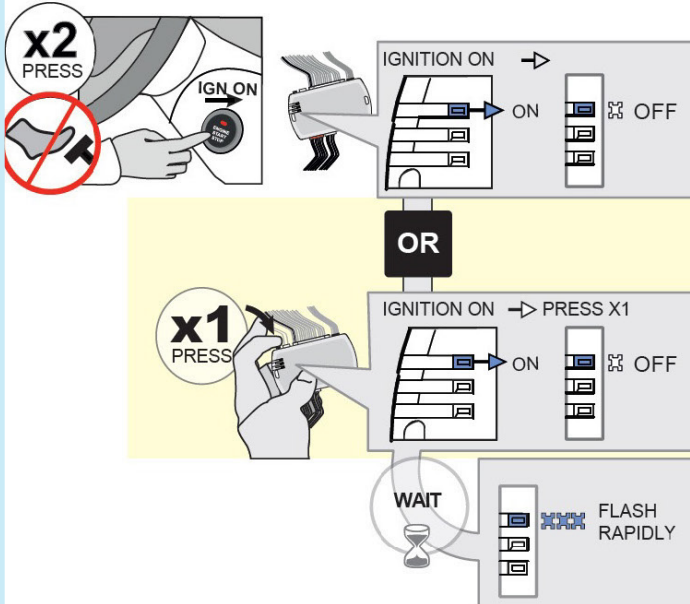


3



Insert the required remaining connectors.

4



Do not press the brake pedal.
Press the Push-to-Start button twice to turn on the ignition.

↳ The BLUE LED should turn off.

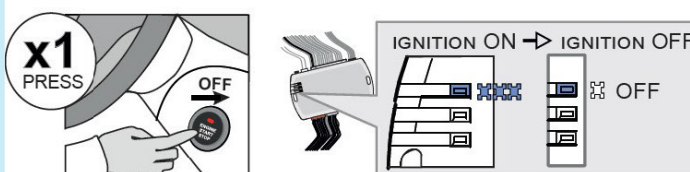
If the LED remains lit solid BLUE after the ignition is turned on, then press and release the programming button once (1x).

↳ The BLUE LED will turn off.

After the BLUE LED turns off, then Wait.

↳ The BLUE LED will flash rapidly.

5



Press the Push-to-Start button once to turn off the ignition.

↳ The BLUE LED will turn off.



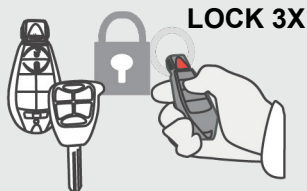
The module is now programmed.

Step 4: Testing the system.

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

1. Press **LOCK>LOCK>LOCK** on your OEM fob 3 times 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. **NOTE: You will see the Blue light on the remote start module flash once with each press.**
2. Step on the brake pedal to stop the engine.

①



Press the lock button on the OEM remote three times in a row to activate the remote starter.

The vehicles ignition/accessory circuits will turn on after a few seconds. Another few seconds later the starter motor will engage. It's all about getting the timing down. **Lock-1000-Lock-1000-Lock.** You will see the Blue light on the remote start module every time you press the Lock button.

②



Step on the brake pedal to stop the engine.

Step 5: Finishing up.

Functionality: Push-to-Start Vehicles

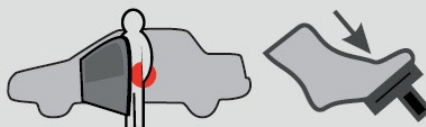
- When the vehicle is running during a remote start cycle, opening the door will turn off the vehicle.



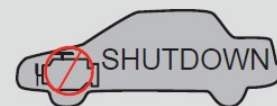
Press the Lock button 3 times in a row on the vehicle's OEM factory remote.



The vehicle engine will **START**.



Open the driver door and press the brake pedal.



The vehicle engine will **SHUTDOWN**.

- After the door is open, enter the vehicle with your Key Fob and start the vehicle normally to drive away. The remote starter will run for 15 minutes then turn itself off otherwise.
- After confirming that everything works properly, cap off or tape the ends of any wires you're not using to avoid grounding or other contacts.
- Now gather up all the wiring and neatly bundle it together using zip ties or electrical tape to prevent the wires from interfering with any of the moving parts under the dash.
- Test the system often when you are putting your vehicle back together.
- Find a secure place to put the remote start module and use zip ties to secure it. Be careful not to zip tie near your connections as it may create a bad connection.
- Replace any interior vehicle panels that were removed to gain access to the needed wires, in reverse order that they were removed.
- Test the system as you reinstall the panels in your vehicle to make sure you do not pull something loose or pinch a wire. Be careful not to run a screw through a wire or pinch a wire while reinstalling panels.

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

info@kleinn.com | 520.579.1531

Copyright 2026 Kleinn Automotive Accessories