

Toyota (Push to Start)

Avalon		19					
Avalon Hybrid		19					
Camry	18	19	20	21	22	23	24
Camry Hybrid	18	19	20	21	22	23	
Corolla			20	21	22		
Corolla Hybrid			20	21	22		
Corolla Hatchback		19	20	21	22		
Highlander			20	21			
Highlander Hybrid			20	21	22	23	
Rav4		19	20	21			
Rav4 Hybrid		19	20	21	22	23	24
Lexus (Push to Start)							
ES 300h		19	20	21			
LS 500	18	19					
UX 250H		19	20	21	22		

- This remote start will monitor the vehicle lock circuit and use the pulses generated by pressing Lock>Lock>Lock on your OEM remote to start the vehicle.

- This is a pre-wired "plug & play" kit with the exception of the vehicles listed in Step 1. Locate your specific vehicle in Step 3 - System Wiring Overview for your vehicle's connection diagram. Any other loose wires in the t-harness not shown in your guide are not used in this installation.

- 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, see programming instructions on Page 18 of the guide.

Overview

There are 5 basic steps to this remote start installation. We're going to address each of these:

- Prepare the vehicle & Locate Connectors
- Make your plug-in and wiring connections
- Program/pair the remote start to the vehicle
- Test the system
- Button it up!

STEP 1: Prepare the Vehicle

The majority of the wiring for the module is done under the dash on the driver's side, so you'll want to install the module in that general area. You will need to remove the plastic from around the steering column and the knee bolster panel under the dash to access the connectors needed for this installation.

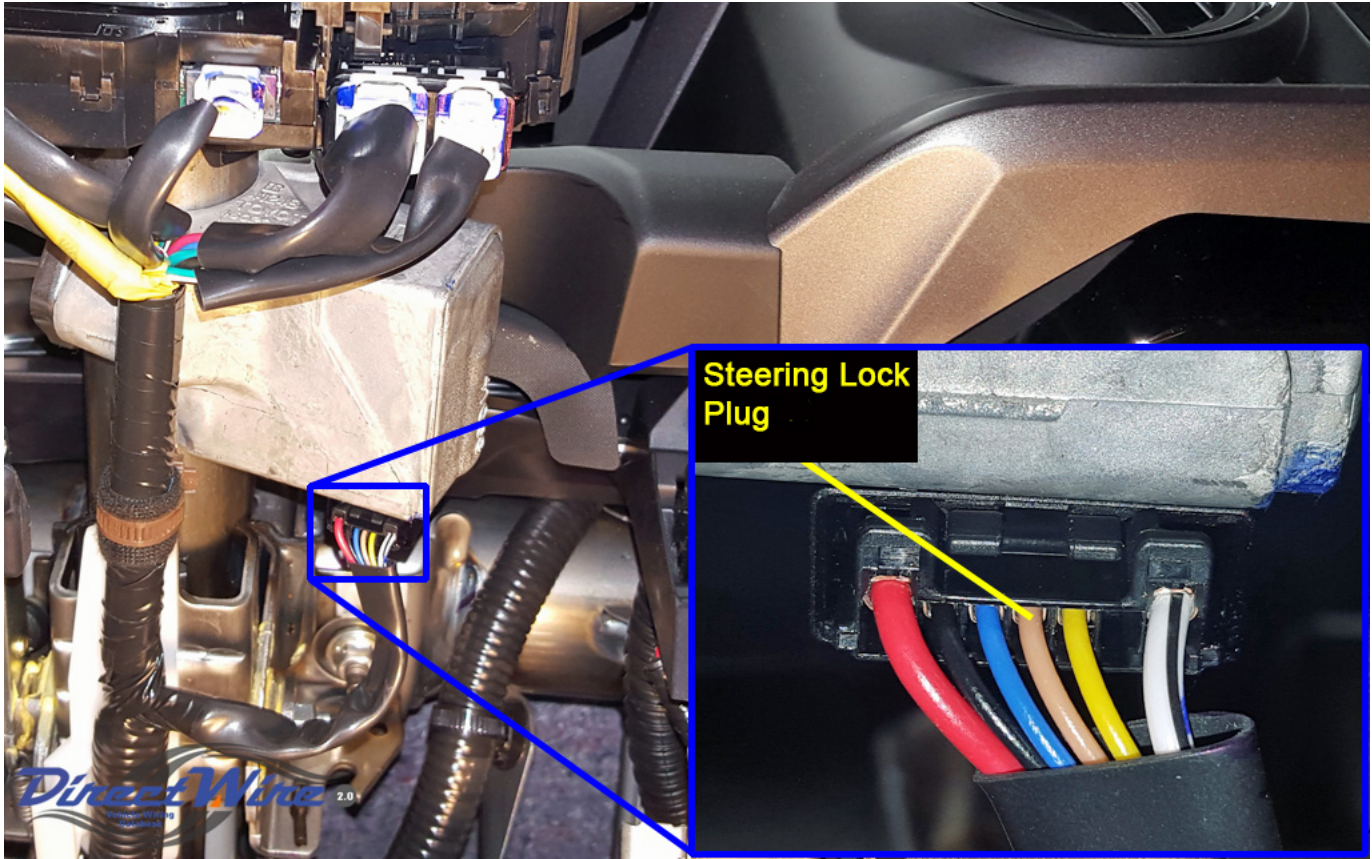
Remote Start Module The ECU and Steering Lock connections are plug-in connections required for all covered vehicles. Make sure you have selected your specific vehicle's system wiring overview in step 3. This is important as vehicles up to 2021 require 3 t-harness connections while vehicles 2022 and up need 4 t-harness connections, some vehicles will also require 1-3 wire to wire connections. Look for a location where there's some open space that will fit the module. Pay attention to moving parts like the pedals, e-brake and steering column. Be sure to route your wiring away from those areas.

Vehicles that require additional wire connections

- The 2020-2021 Highlander, 2 additional wire connections at the Telematics Module. See Pages 4&5
- The 2020-2021 Highlander Hybrid, 3 additional wire connections, 2 at the Telematics Module, 1 for the start wire. See Pages 6&7
- The 2022-2023 Highlander Hybrid, 3 additional wire connections, 2 at the Telematics Module, 1 for the start wire. See Pages 8&9
- The 2019-2024 RAV 4 Hybrid, 1 additional wire connection for the start wire. See Pages 10-13
- The 2019-2021 Lexus 300H, 1 additional wire connection for the start wire. See Pages 14&15
- The 2019-2022 Lexus UX 250H, 1 additional wire connection for the start wire. See Pages 16&17

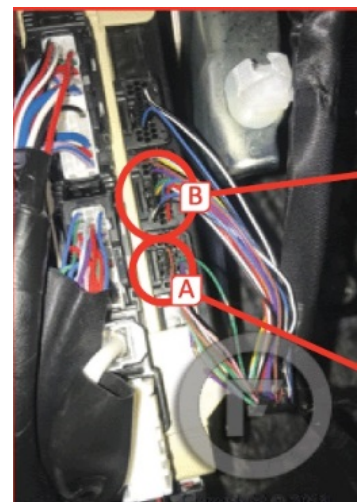
STEP 2: Make Plug in and wire connections

1. Locate the Steering Lock Connector on the underside of the steering column. Remove the OEM plug from the socket and replace it with the identical plug in the T-harness assembly. Insert the OEM plug in to the female receptacle on the T-harness.



2. Locate the main ECU - behind the dash on the left side. Release the locking tab on the plug in the center position, then remove it and plug it in to the matching receptacle in the T-harness. Insert the male connector from the T-harness in to the vacated center position on the ECU. Note that depending on how the specific vehicle is equipped, the upper and/or lower receptacles on the ECU may have plugs in them. Leave them alone - the only plug relevant to this installation is the one in the center position.

ECU Location Driver's side dash



System Wiring Diagram

Toyota

2019 Avalon & Avalon Hybrid

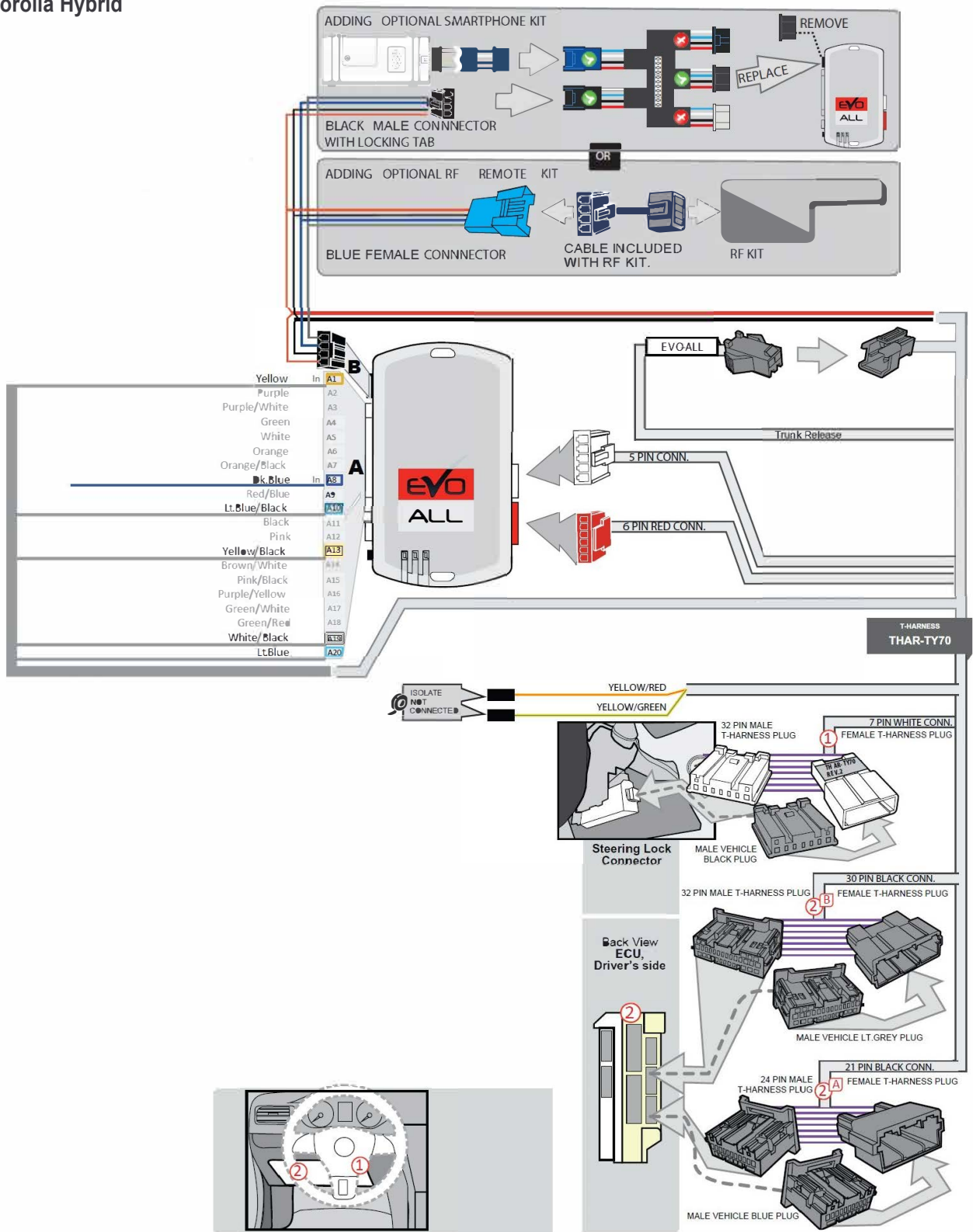
2018-2022 Camry & Camry Hybrid

2020-2022 Corolla & Corolla Hybrid

2019-2021 RAV 4 Gas

Lexus

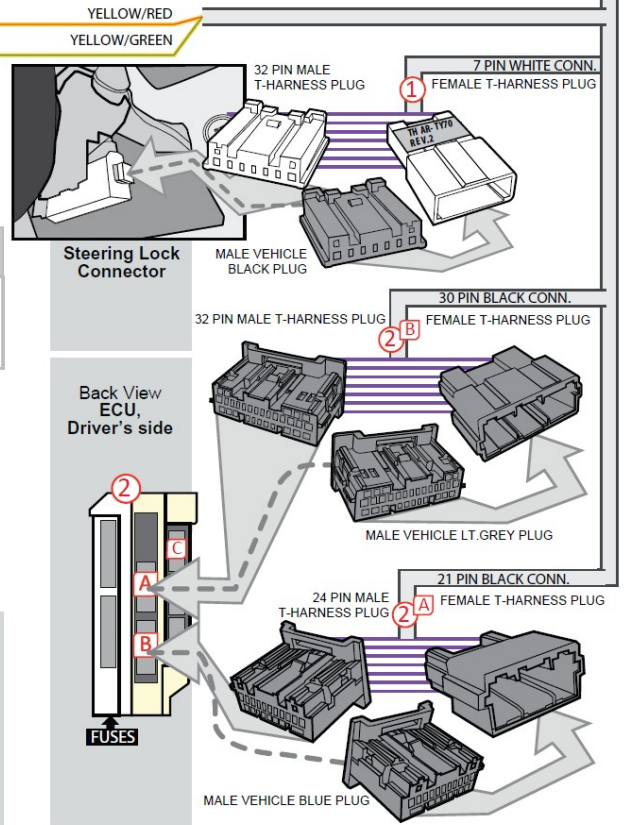
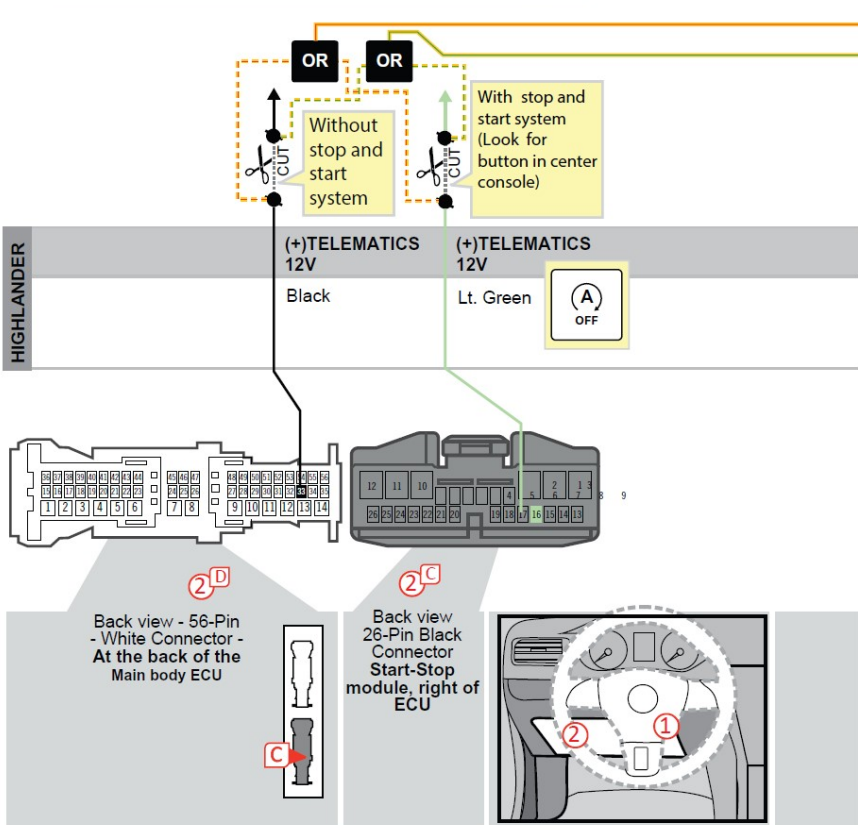
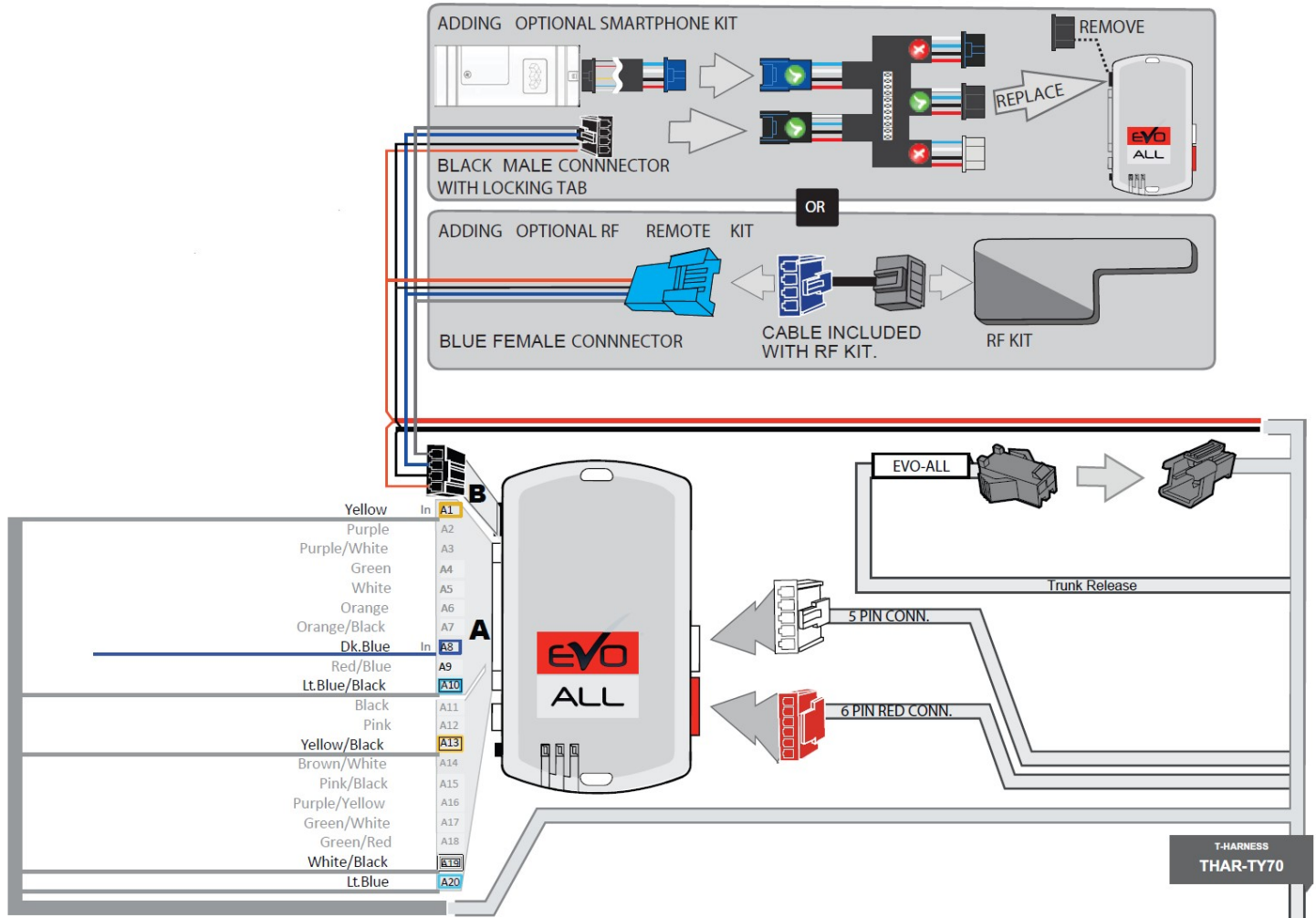
2018-2019 LS 500



System Wiring Diagram

Toyota

2020-2021 Highlander Gas

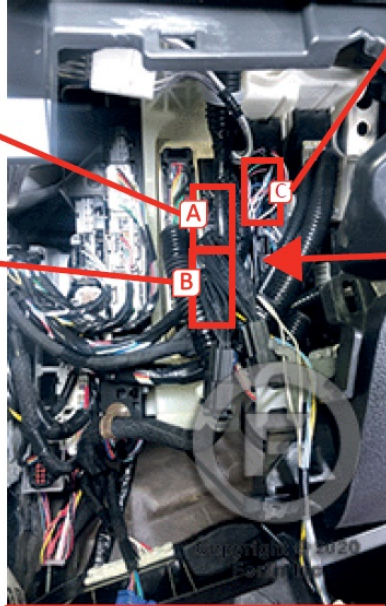


Toyota 2020-2021 Highlander Gas Additional Photos

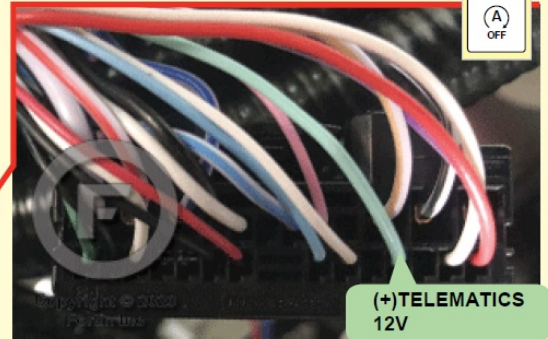
2^A



2 Main body ECU
left side of the dash



2^C With stop and start system
(Look for button in center console)



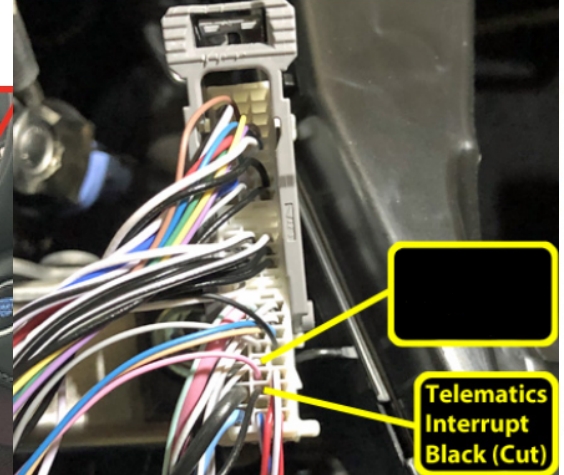
OR Without stop and start system
At the back of the Main body ECU -
below dash fuse box



2^B

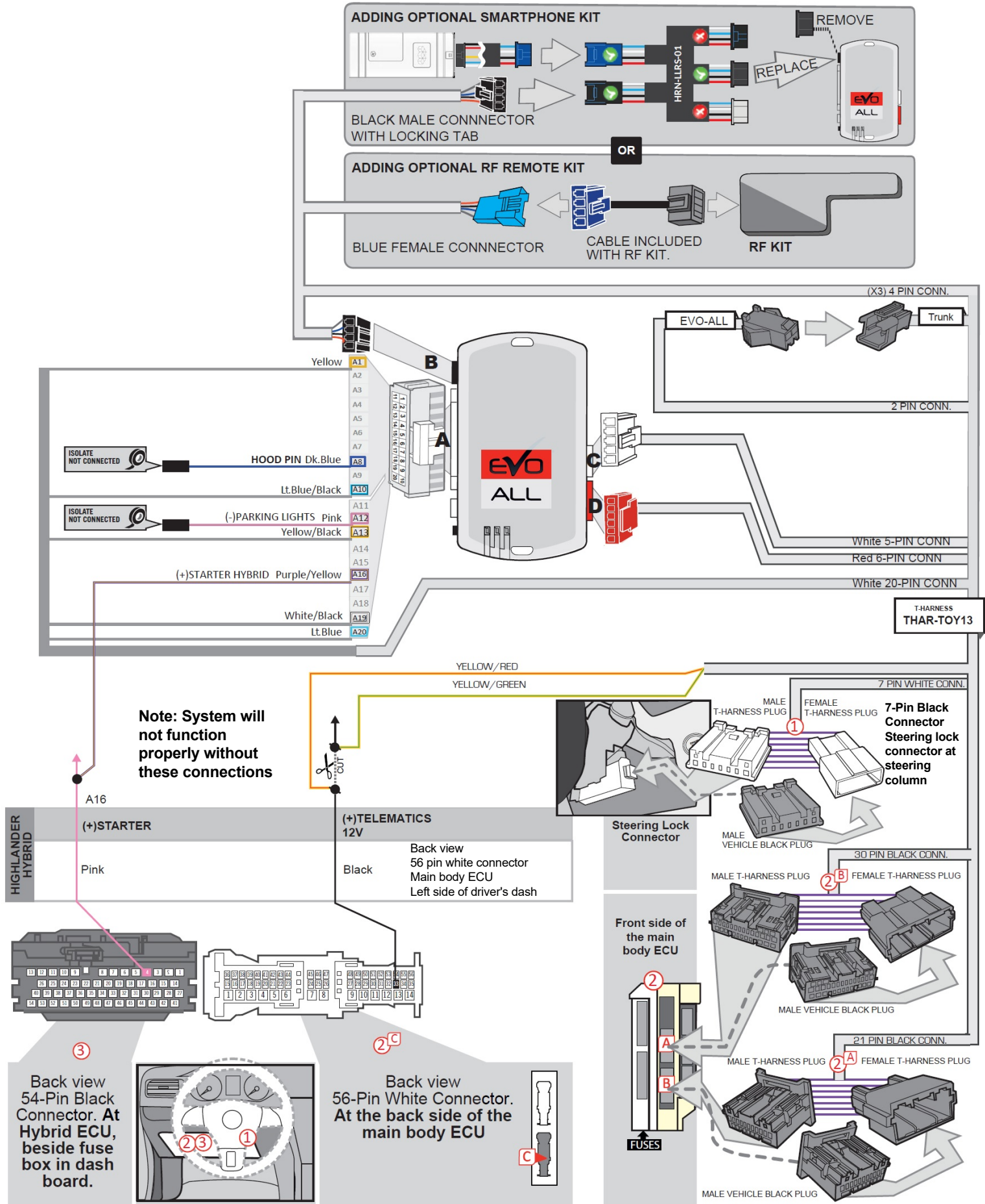


1 Steering Lock Connector



System Wiring Diagram

Toyota
2020-2021 Highlander Hybrid

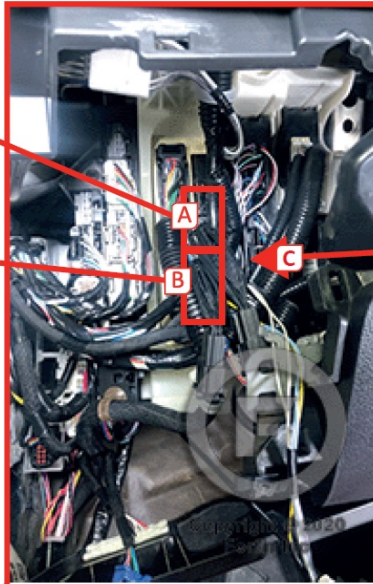
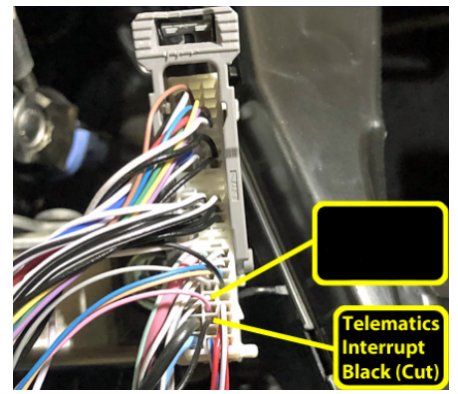


Toyota 2020-2021 Highlander Hybrid Additional Photos



② Main body ECU left side of the dash

TELEMATICS Wire (+) Black



At the back of the Main body ECU - below dash fuse box

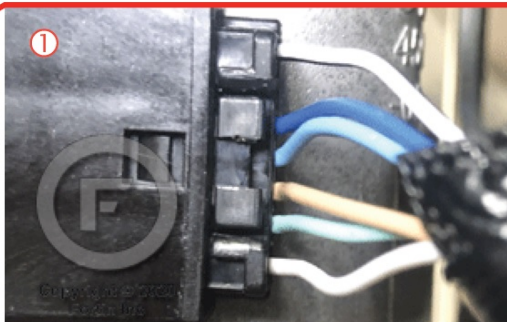


① Steering Lock Connector

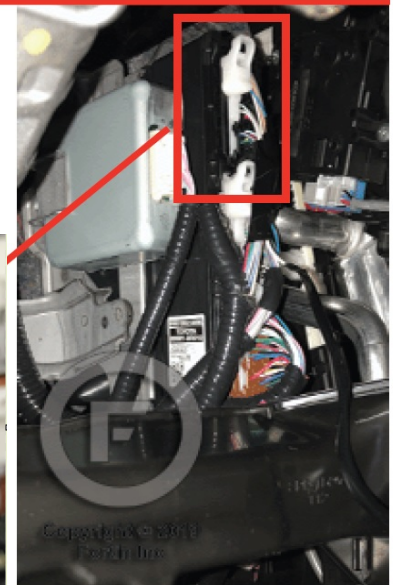


Highlander

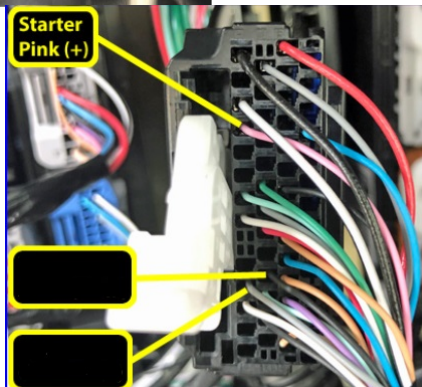
2020-2021 Highlander Hybrid



③ Hybrid ECU, beside fuse box in dash board.

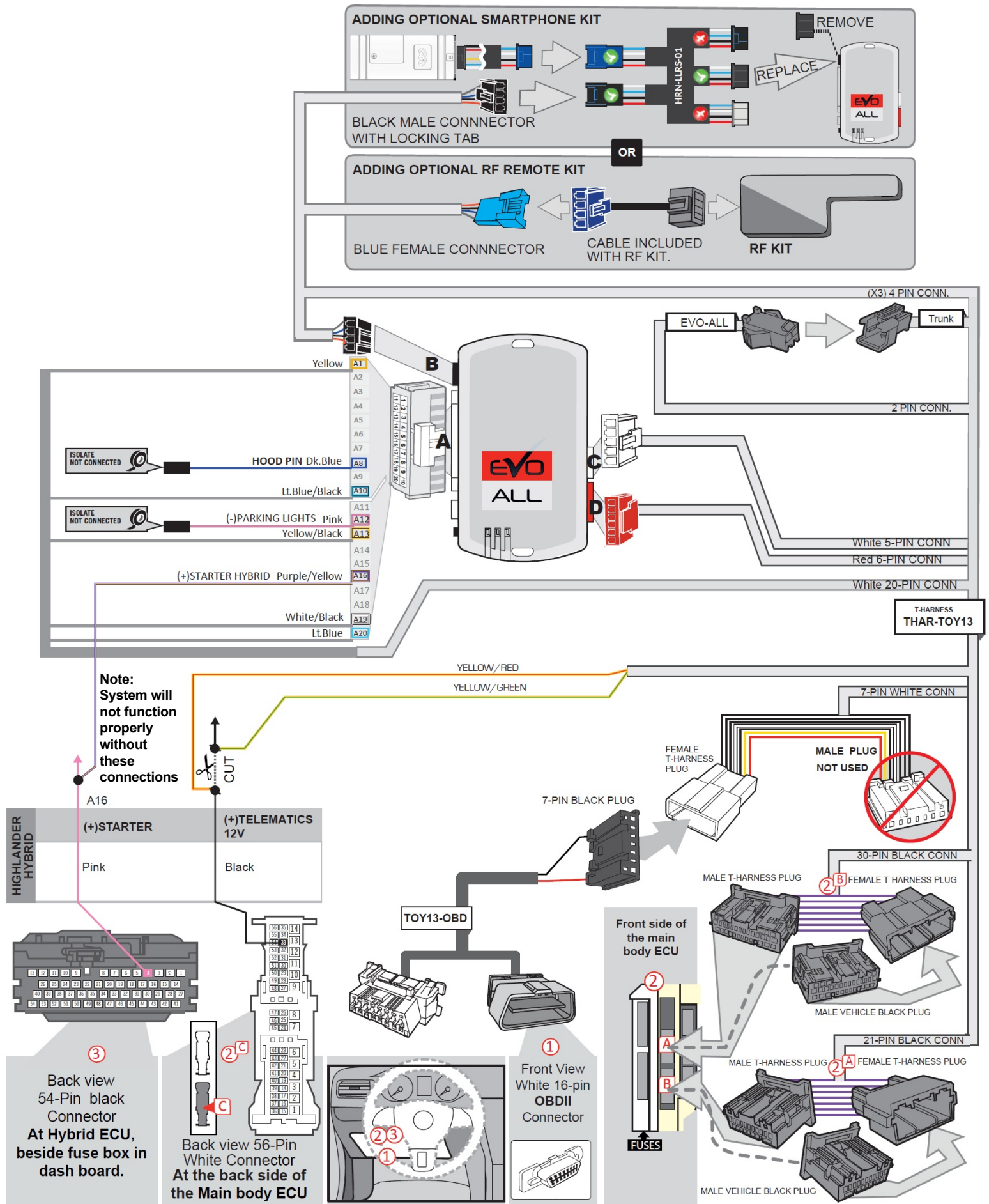


STARTER Wire (+) Pink



System Wiring Diagram

Toyota
2022-2023 Highlander Hybrid



Toyota 2022-2023 Highlander Hybrid Additional Photos

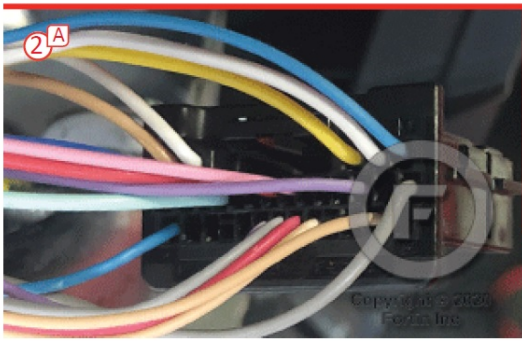
2022-2023 Highlander Hybrid



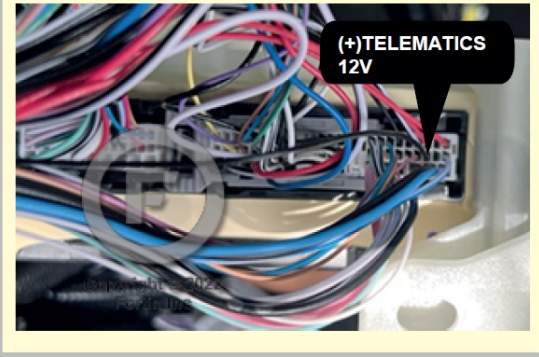
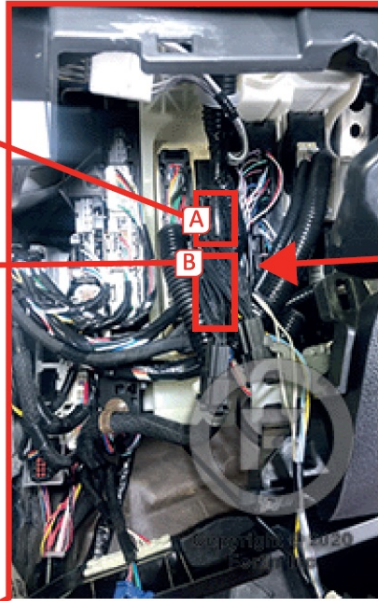
Highlander

TELEMATICS wire (+) Black

At the back of the Main body ECU - below dash fuse box



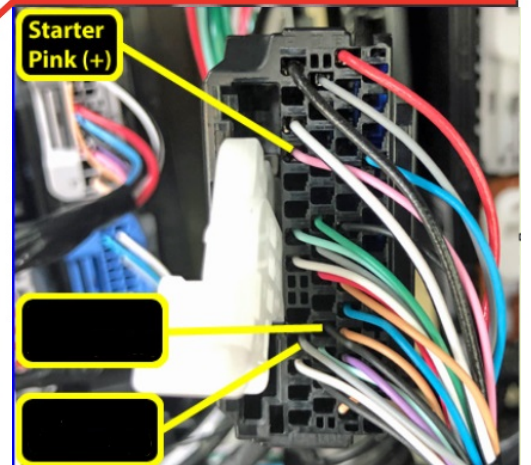
② Main body ECU left side of the dash



① OBDII connector

③ Hybrid ECU, beside fuse box in dash board.

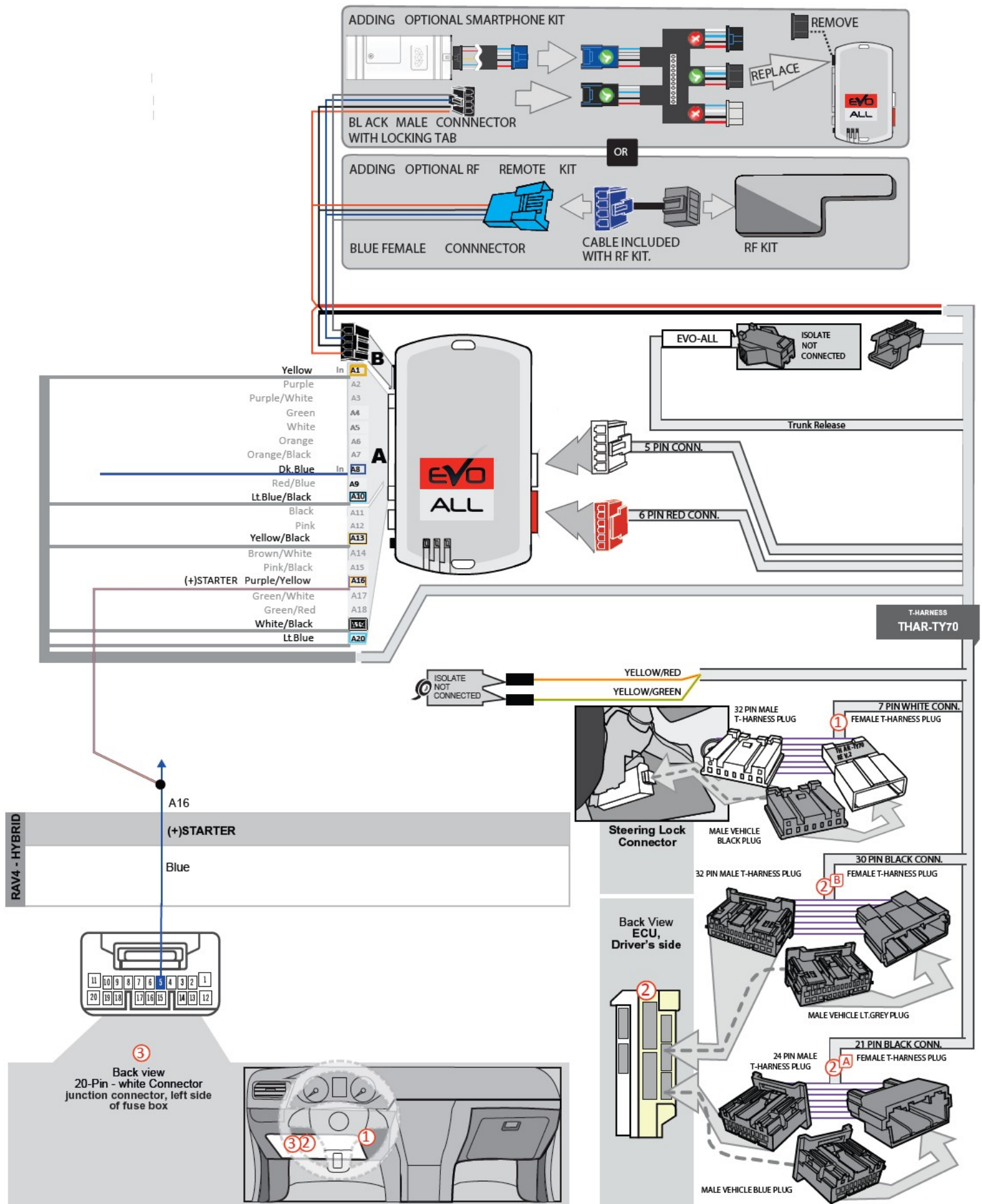
Starter (+) Pink



System Wiring Diagram

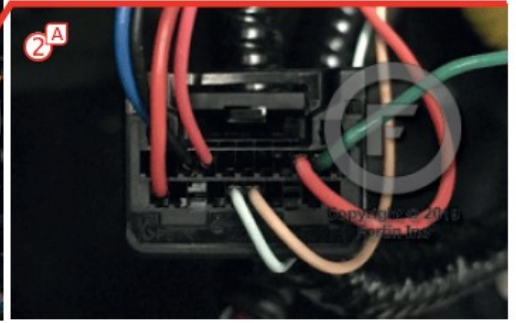
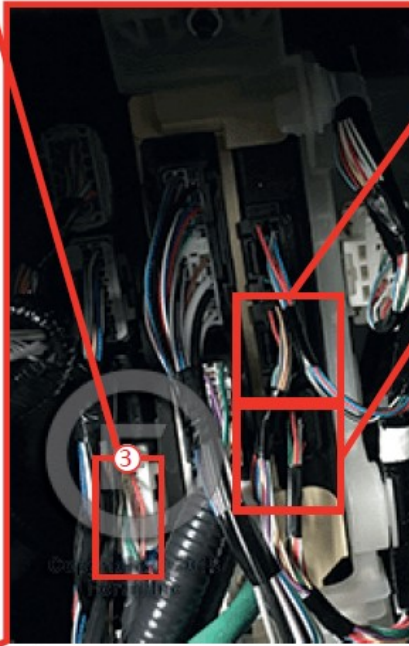
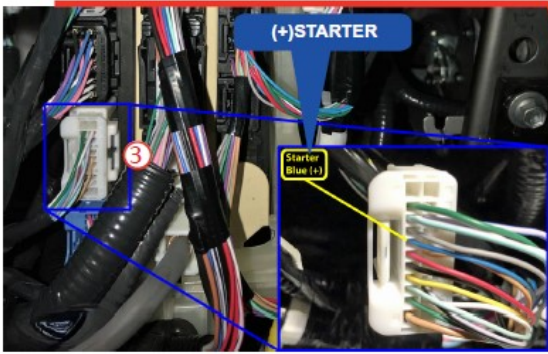
Toyota

2019-2021 RAV 4 Hybrid

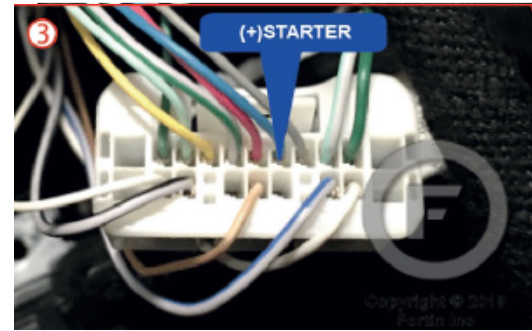


Toyota 2019-2021 RAV 4 Hybrid Additional Photos

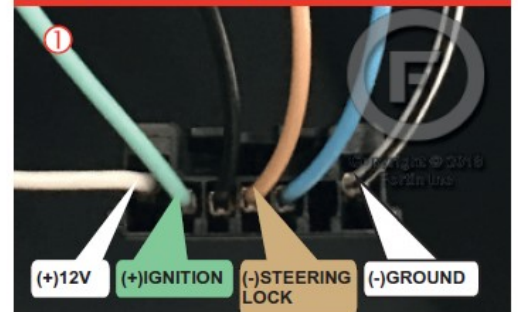
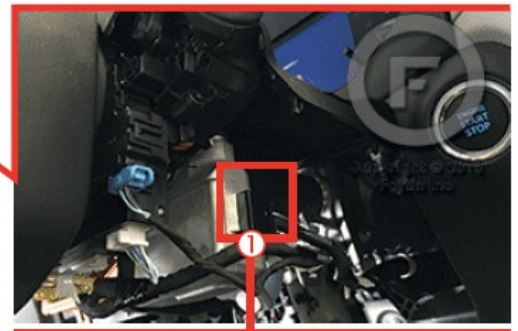
②③ ECU, Driver's side



Starter (+) Blue



① At Steering Column

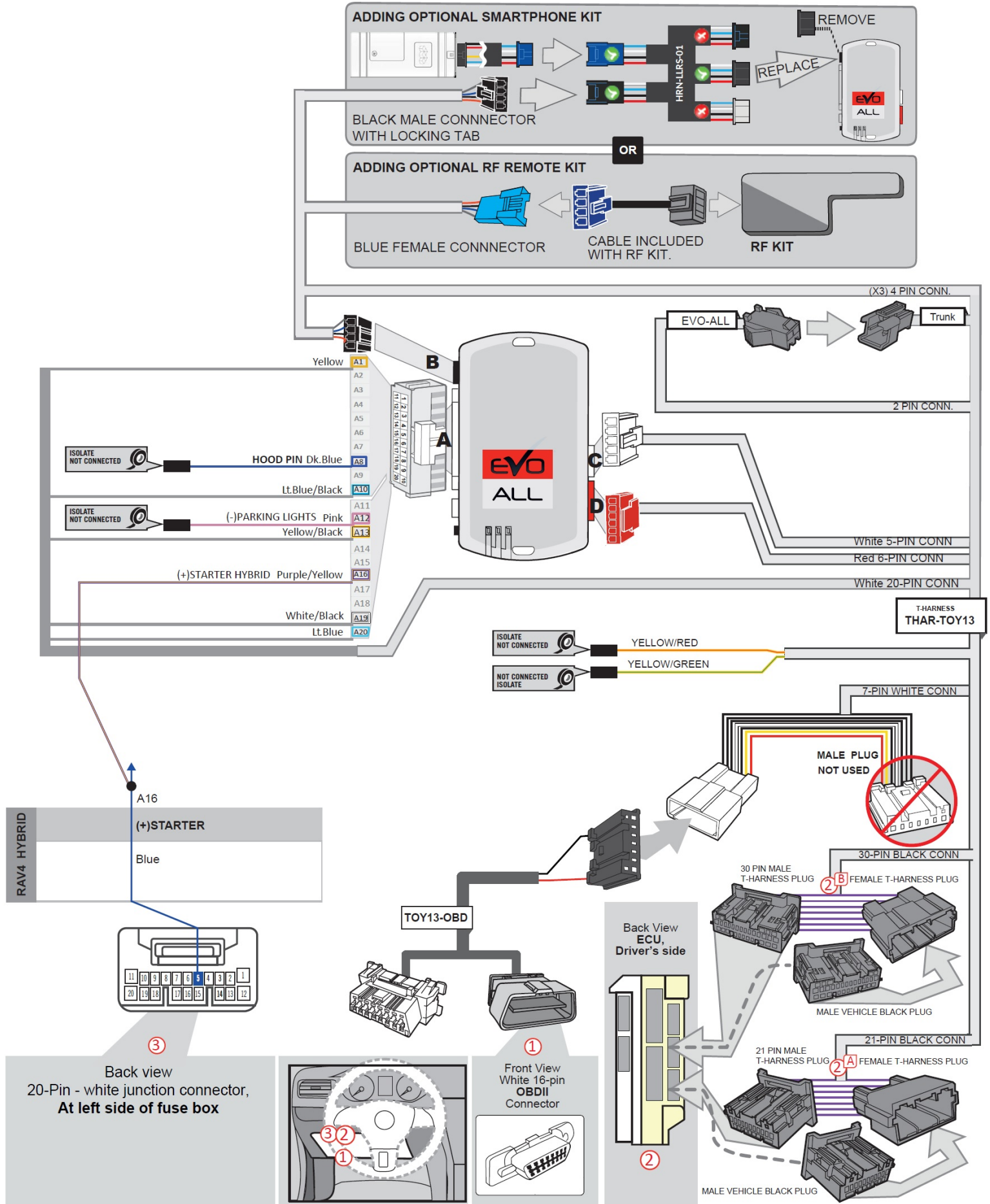


RAV4 - HYBRID

2019-2021 RAV 4 Hybrid

System Wiring Diagram

Toyota
2022-2024 RAV 4 Hybrid



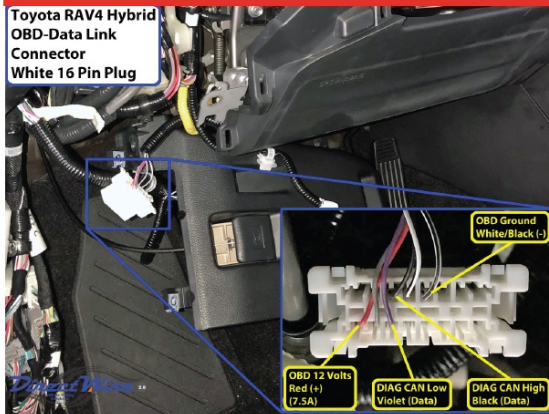
Toyota 2022-2024 RAV 4 Hybrid Additional Photos



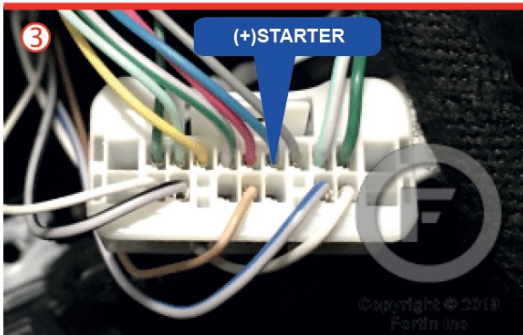
RAV4

2022-2024 RAV 4 Hybrid

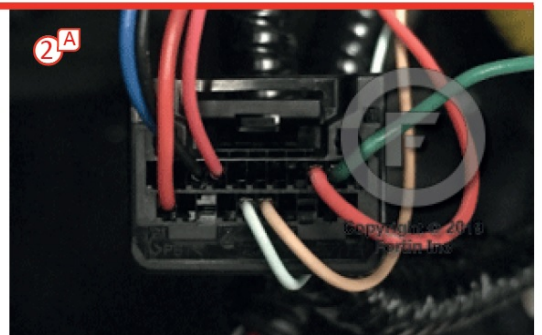
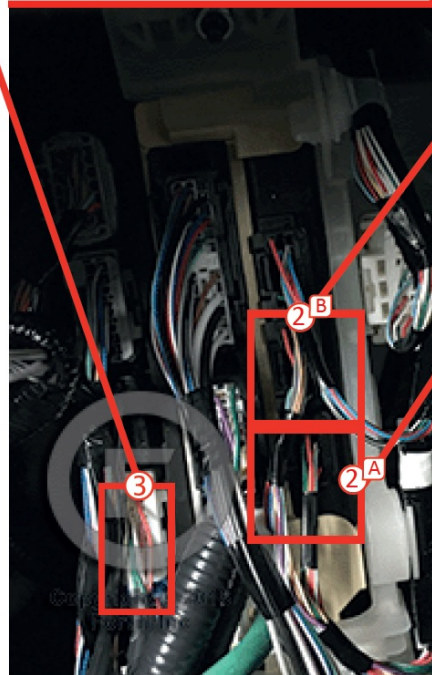
① OBDII Connector, Under Dash Driver's side



Starter (+) Blue

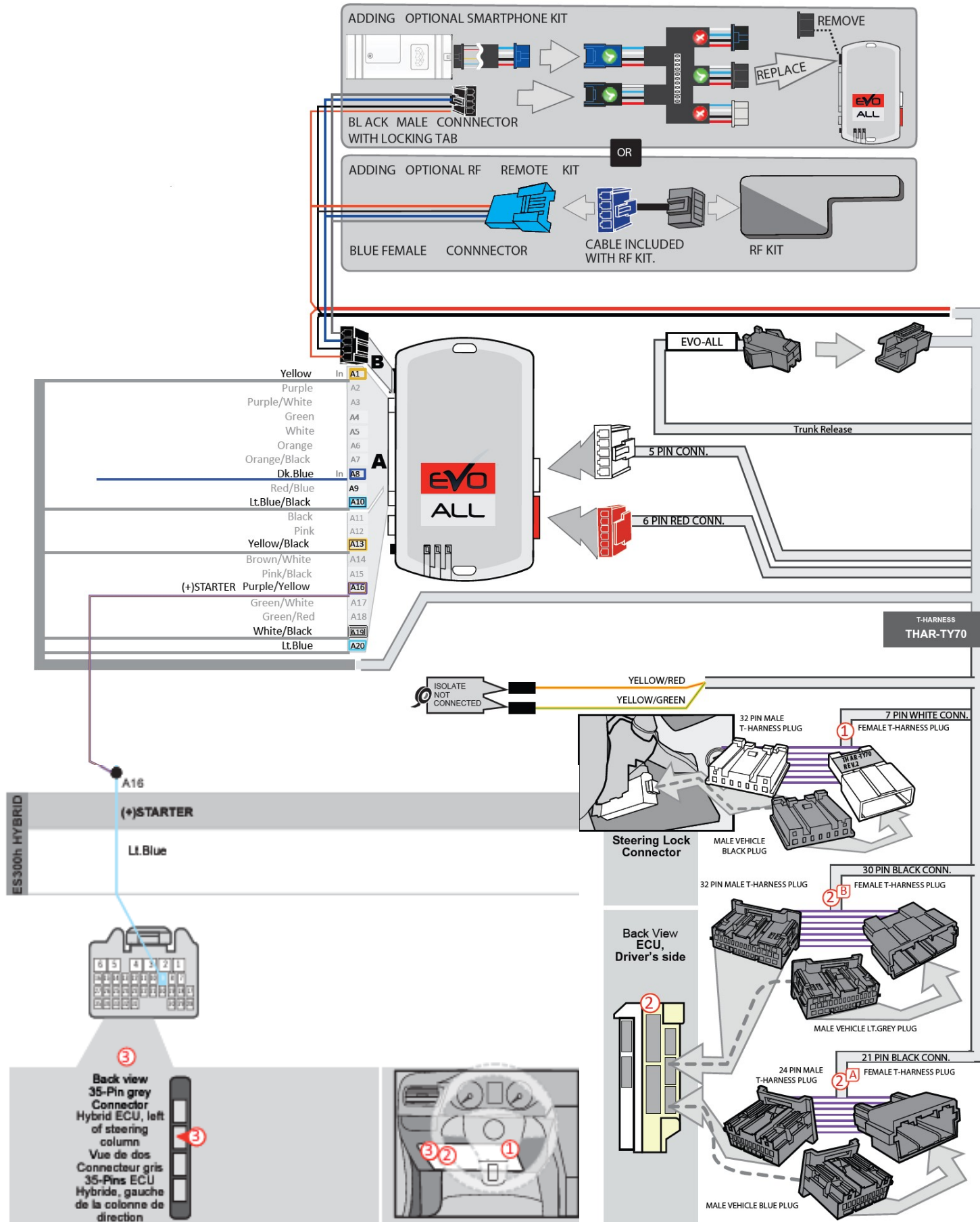


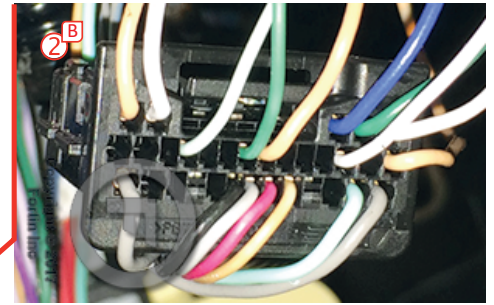
③ ② ECU, Driver's side



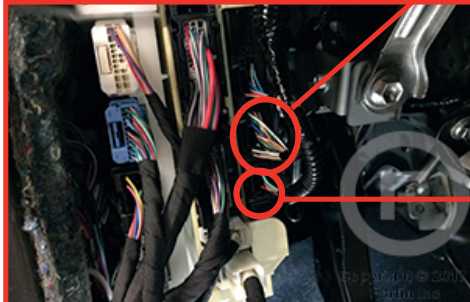
System Wiring Diagram

Lexus
2019-2021 ES 300H Hybrid





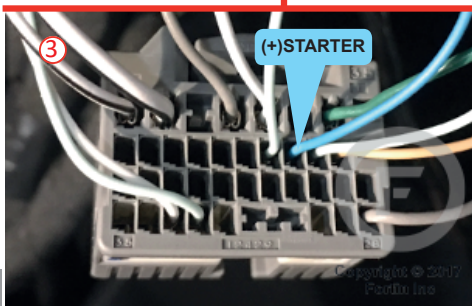
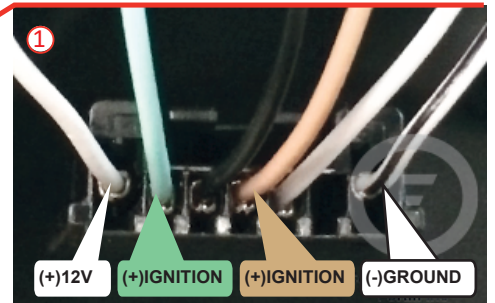
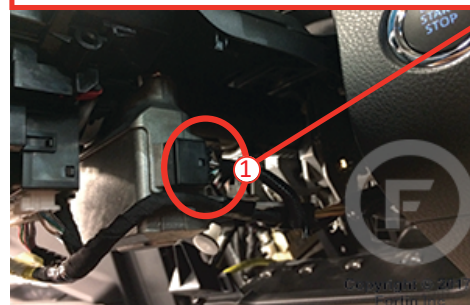
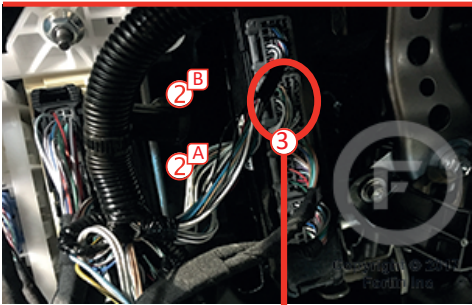
② ECU, Driver's side
ECU, Côté Conducteur



② ③ Hybrid ECU, left of steering column
ECU Hybride, gauche de la colonne de direction

① At Steering Column
À la colonne de direction

Steering Lock Connector
Connecteur Steering Lock

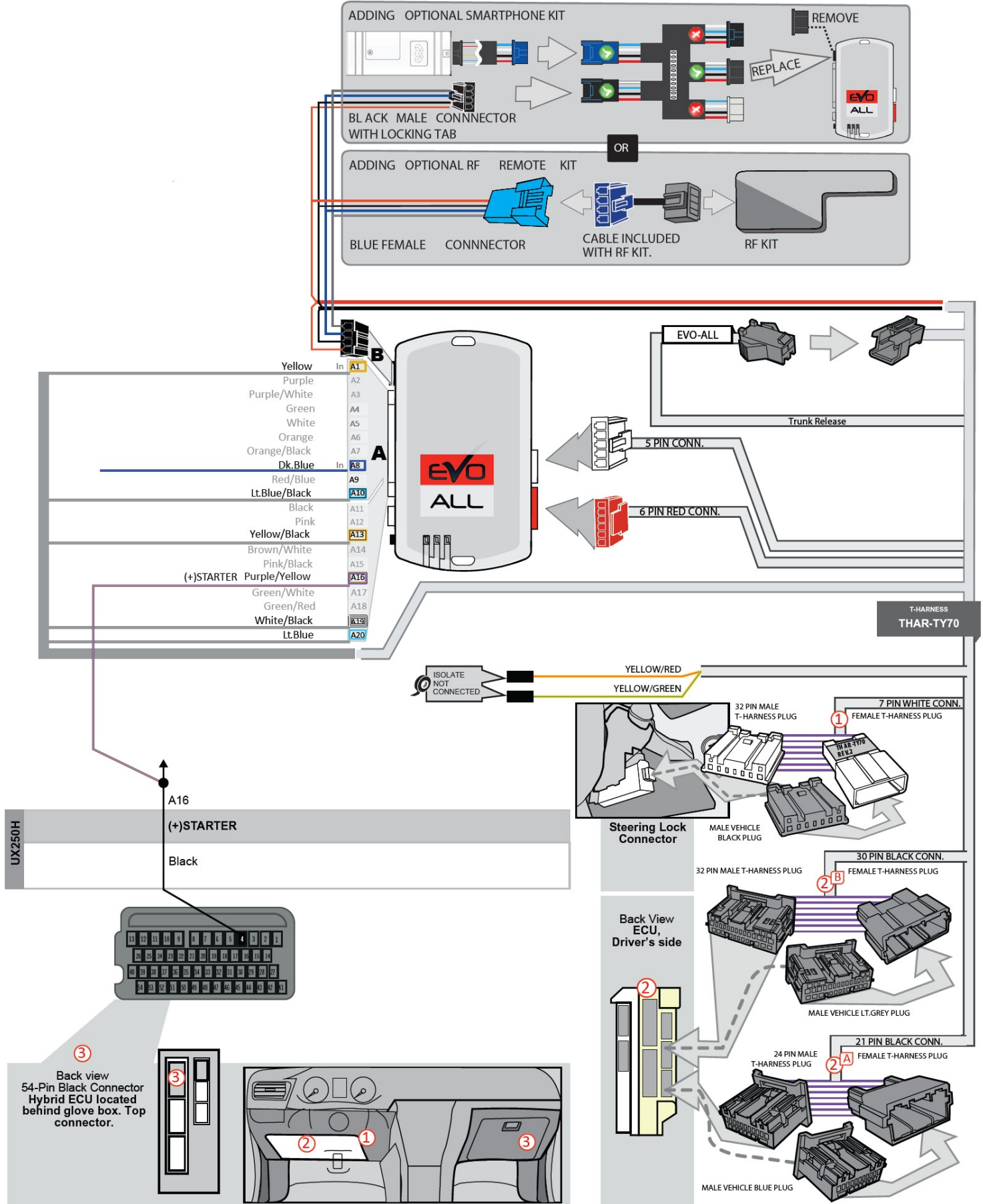


ES300H HYBRID

2019-2021 ES300H Hybrid

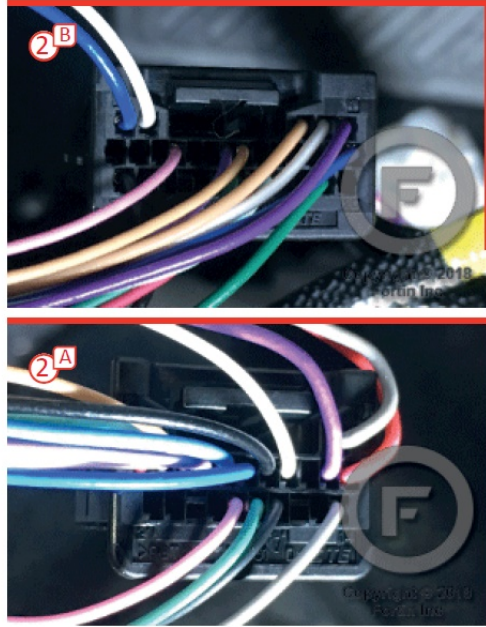
System Wiring Diagram

Lexus
2019-2022 UX 250H

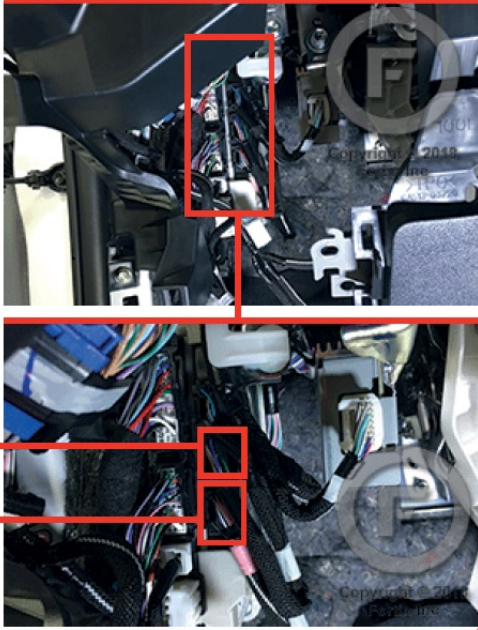


Lexus 2019-2022 UX 250H Hybrid Additional Photos

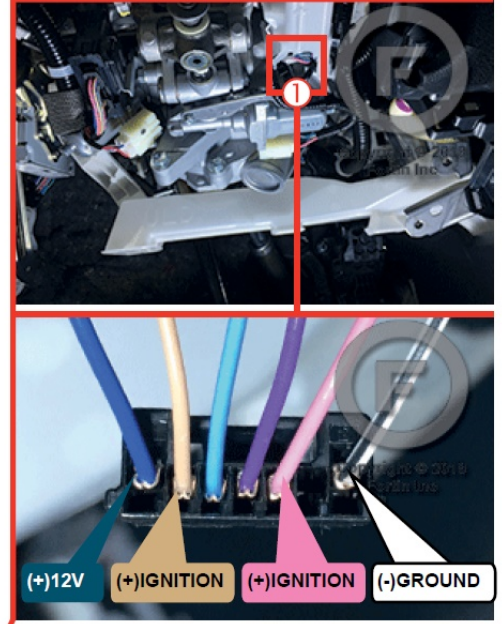
2019-2022 Lexus UX 250H Hybrid



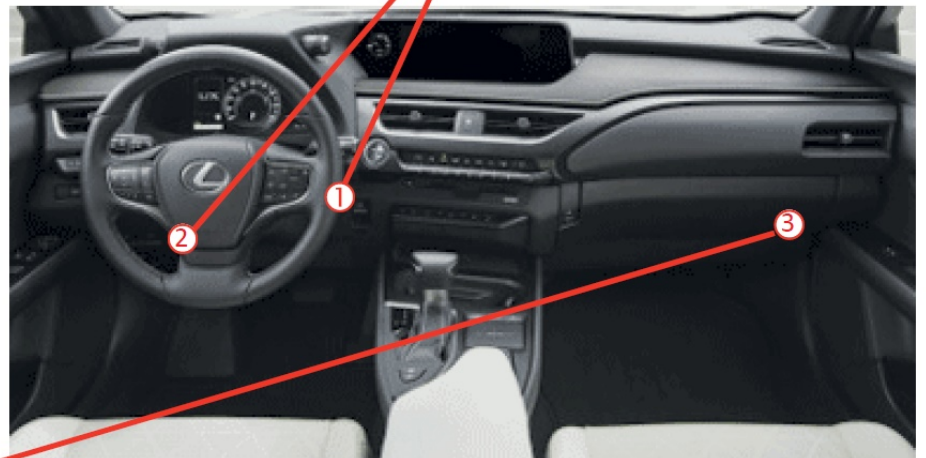
② ECU, driver's side



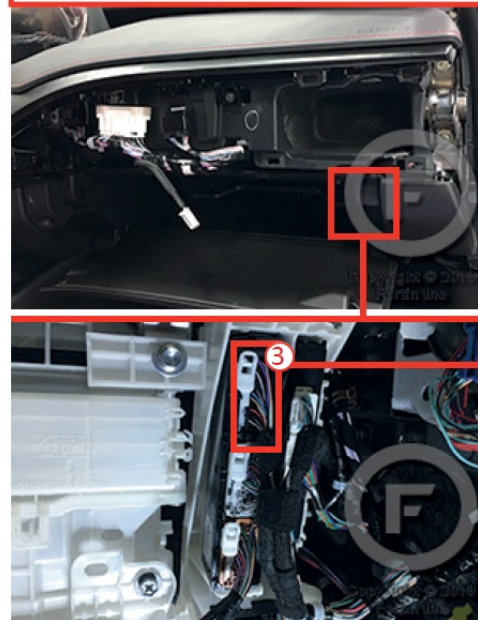
① Steering Lock Connector



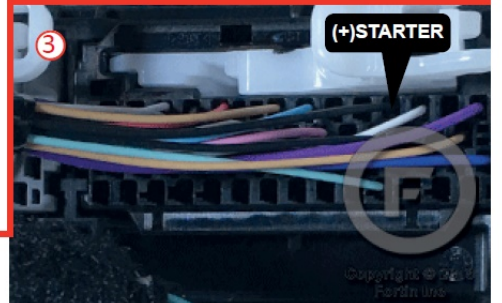
UX250H



③ ECU, behind glove box

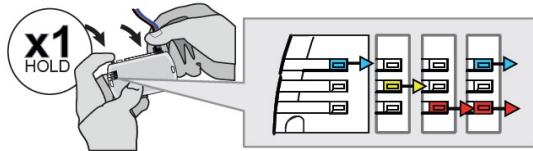


Starter (+) Black



Step 3: Programming

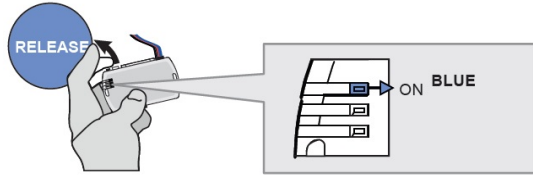
1



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

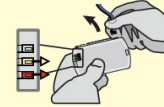
↳ The BLUE, RED, YELLOW and BLUE & RED LEDs will alternatively illuminate.

2

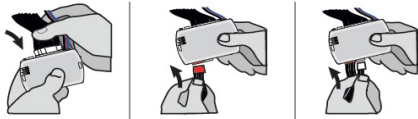


Release the programming button at the moment when the LED is BLUE.

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.

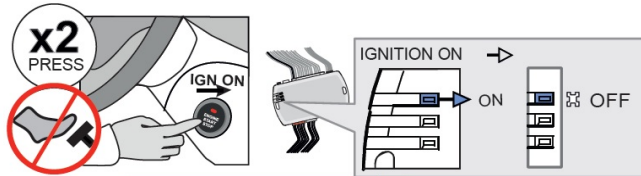


3



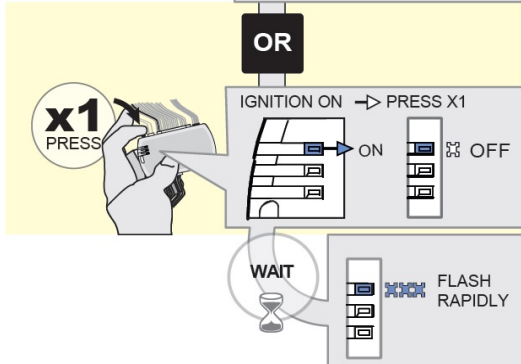
Insert the required remaining connectors.

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.



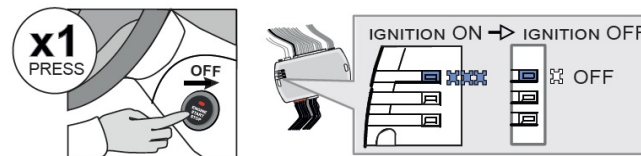
If the LED remains lit solid BLUE after the ignition is turned on, then press and release the programming button once (1x).

↳ 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.



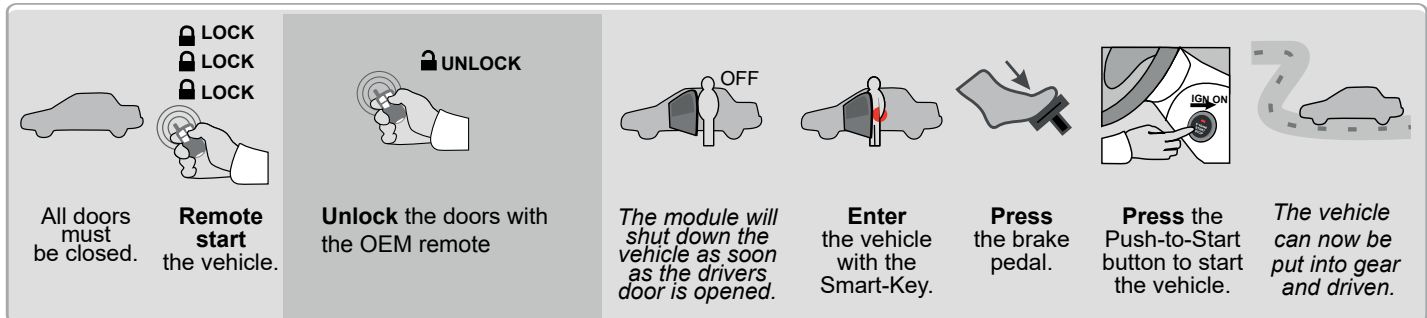
The module is now programmed.



If a programming error occurs, disconnect all plugs from the EVO-ALL module with the Black 4-pin disconnected LAST

Step 4: Test the System

1. Press Lock>Lock>Lock on your OEM fob three times in succession. 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 button.
2. Step on the brake pedal to stop the engine.



Step 5: 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