Installation Guide

RSJKLR1

For 2007-2018 Jeep Wrangler JK

* For automatic transmission vehicles only

-This remote start will use 1-button remotes to start/stop & lock/unlock the vehicle.

-This is a pre-wired plug and play kit and all the required connections have been made within the harness.   There is 1 wire you need to cut on the harness.

-We have already loaded the correct software into the remote start module. You will need to pair the module to your key when the installation is complete.   Instructions begin on page 5.

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

1. Prepare the vehicle
2. Make your wiring connections
3. Pair the remote start to the vehicle
4. Pair the remotes to the remote starter
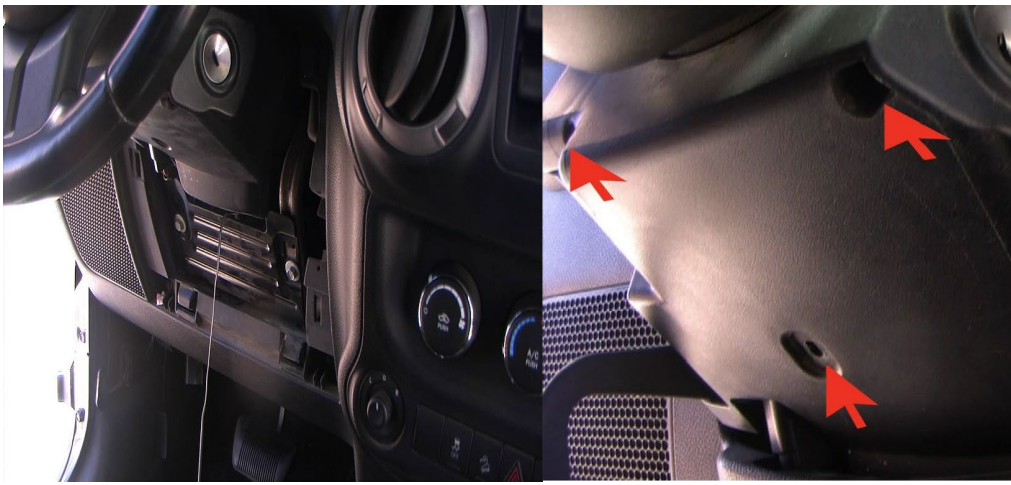5. Test the system
6. Button it up!

Tip #1 – Where Everything Goes

Remote Start Module – 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. Before you start wiring, 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.

STEP 1: Prepare the Vehicle

The bulk of the installation takes place right under the dash on the driver's side.

Begin by removing the plastic shroud below the steering wheel and then the plastic around the steering wheel column. Remove the three screws and loosen the tilt lever and pull lower plastic panel down. Be careful not to break the panel –especially in cold weather.
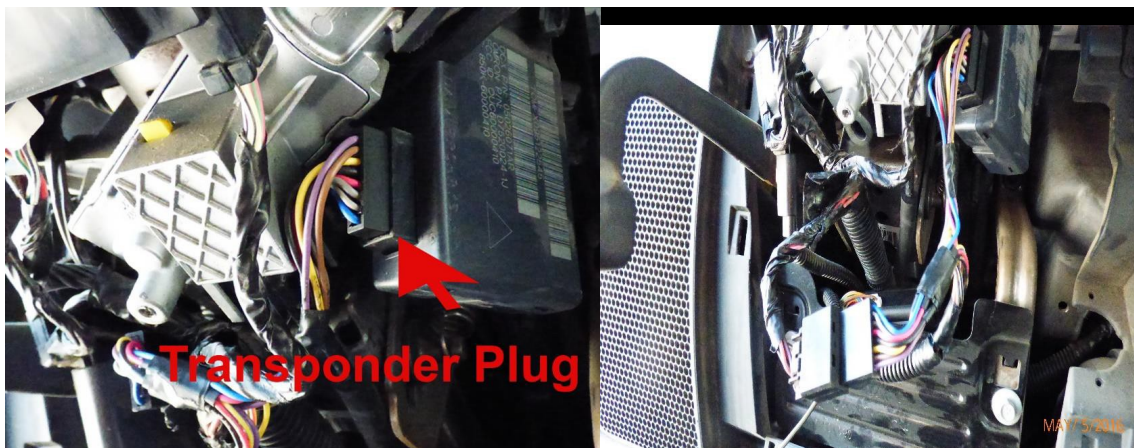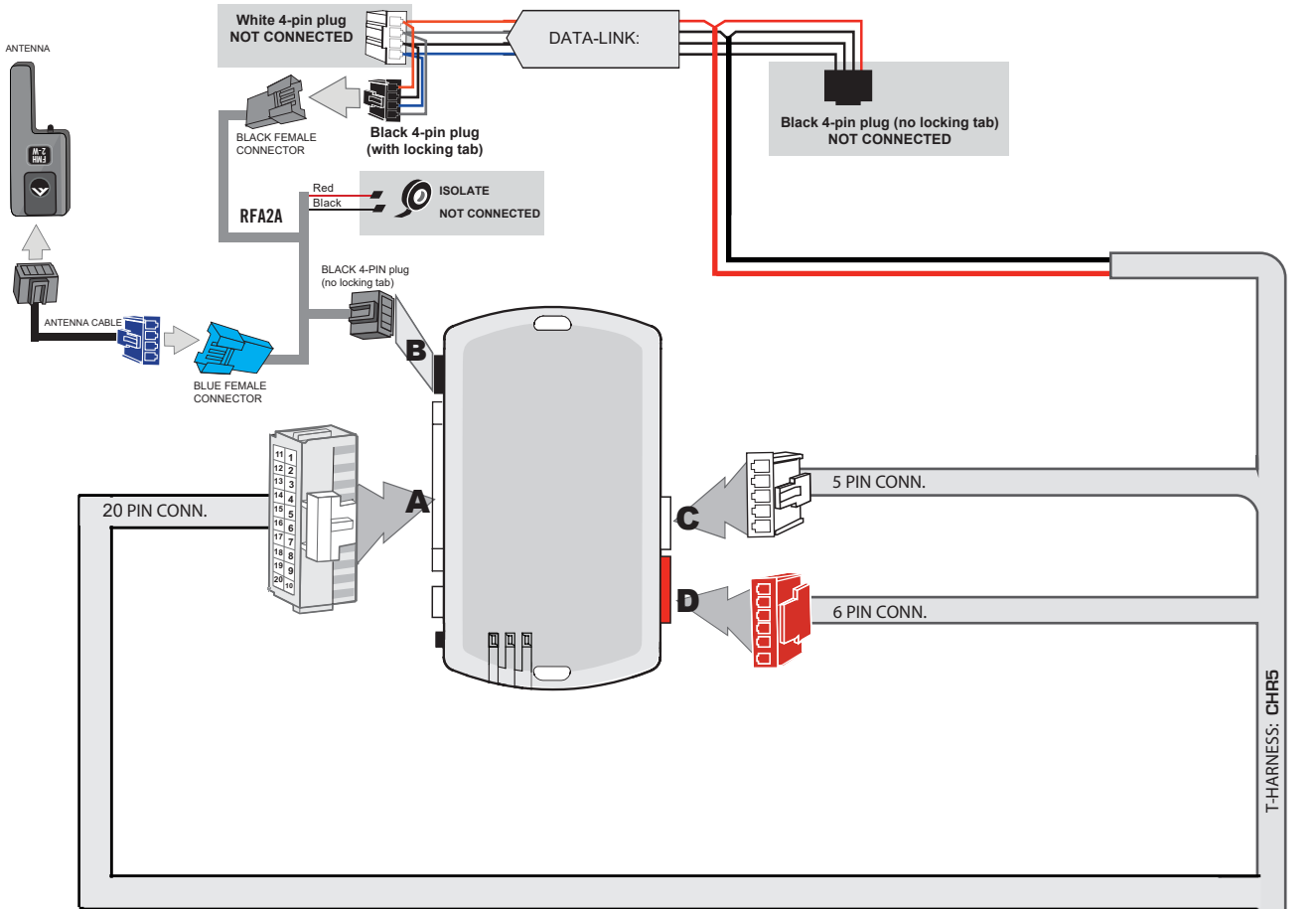
Production Change Mid 2016:

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

Locate the immobilizer connector at the bottom of the key cylinder (see pictures below). Carefully disconnect the connector and insert the male plug from the T-harness in its place. Then plug the vehicle immobilizer connector in to the T-harness female connector. **Caution: Be careful when disconnecting the harness from the immobilizer connector in the vehicle. It is very fragile and will break if too much force is used. Kleinn is not responsible for any damage caused by improper removal of the connector.**
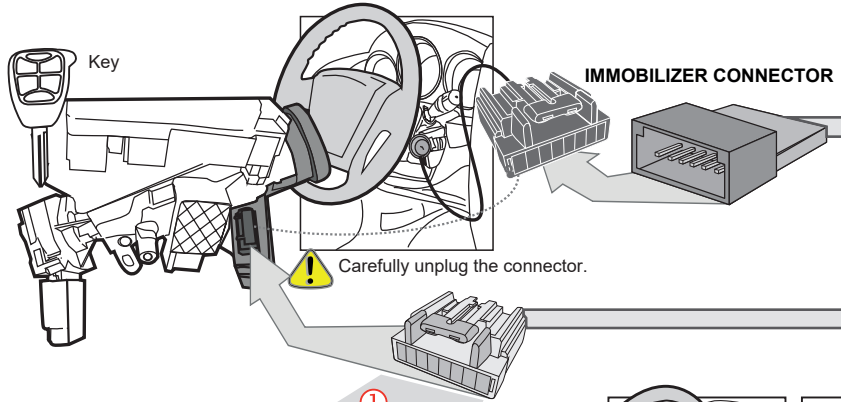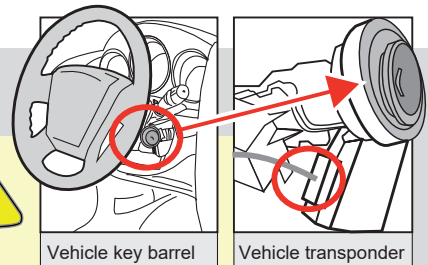
System wire diagram:

ANTENNA

White 4-pin plug NOT CONNECTED

DATA-LINK:

Black 4-pin plug (no locking tab) NOT CONNECTED

BLACK FEMALE CONNECTOR

Black 4-pin plug (with locking tab)

RFA2A

Red
Black

ISOLATE NOT CONNECTED

ANTENNA CABLE

BLUE FEMALE CONNECTOR

BLACK 4-PIN plug (no locking tab)

B

A

20 PIN CONN.

11 1
12 2
13 3
14 4
15 5
16 6
17 7
18 8
19 9
20 10

C

5 PIN CONN.

D

6 PIN CONN.

T-HARNESS: **CHR5**

REMOTE START SAFETY OVERRIDE SWITCH

Wrangler

Key

IMMOBILIZER CONNECTOR

⚠ Carefully unplug the connector.

①

Vehicle transponder connector
Back view

CAUTION
TAKE CARE WHEN DISCONNECTING THE HARNESS FROM THE IMMOBILISER CONNECTOR. IT IS VERY FRAGILE AND CAN EASILY BREAK. ⚠
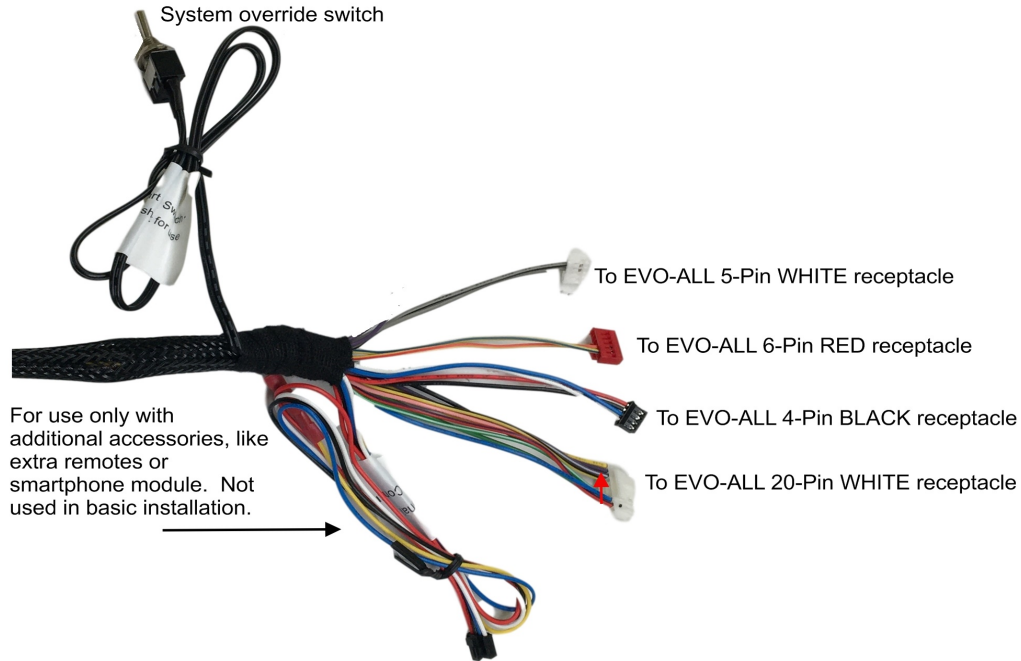
Vehicle key barrel

Vehicle transponder

Step 2: Make the Connections

The T-Harness will have some plugs on the other end. This is what you do with them:
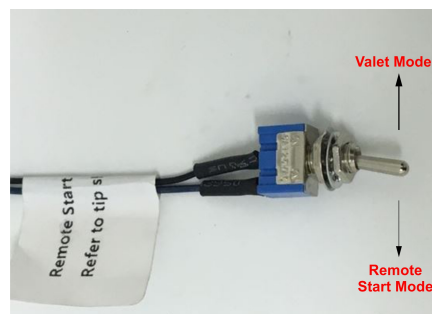

System override switch

For use only with additional accessories, like extra remotes or smartphone module. Not used in basic installation.

To EVO-ALL 5-Pin WHITE receptacle

To EVO-ALL 6-Pin RED receptacle

To EVO-ALL 4-Pin BLACK receptacle

To EVO-ALL 20-Pin WHITE receptacle

-Locate the RFA2A adapter included with your remote kit T-harness. Plug the black 4-pin connector from your T-harness into the black female connector of the the RFA2A adapter.

-Plug the blue 4-pin connecter from the RF kit antenna into the blue female connector of the the RFA2A adapter.

Optional wiring connections

Hood Pin - Most vehicles come with a factory equipped hood pin switch. The hood pin is a safety feature –it prevents accidental remote starting while the hood is open and someone may be working in the engine compartment. If your vehicle is not equipped with one you can wire in the aftermarket pin switch we supplied with the kit. You will need to mount the pin switch into metal. Requires a 3/8" hole. Find a location in the engine compartment to mount the switch where the closed hood will keep the plunger in the switch depressed. This is what prevents the car from starting when the hood is open. Then route the wire to the remote start module and connect to the DarkBlue wire on the 20-pin harness. You will need to open the loom up to access this wire.
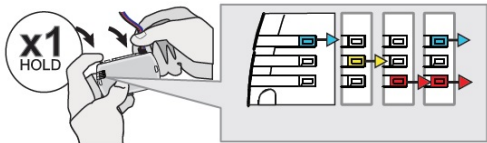
Our new kits have a built-in toggle switch which, when needed, acts as a safety feature that can disable the remote start from activating. This is a great asset which allows you to perform any engine maintenance safely while working under the hood by simply flipping the toggle switch in the other direction. If your system appears not to be working, simply check the switch as it may have been turned off. Not all kits have this feature built-in, but you can add your own. We connected this to the hood pin wire and the red LED will flash 5 times when turned on or when the hood is open.

Valet Mode

Remote Start Mode

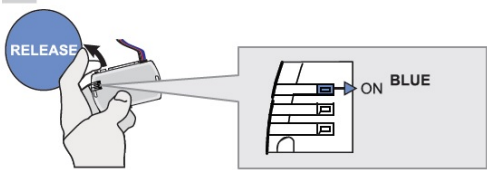# STEP 3: Pair the remote start to the vehicle

Once the T-harness has been plugged in to the vehicle, the remote start module is ready to be programmed. Begin with all plugs disconnected from the remote start brain, then perform the programming steps below:
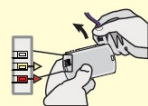
1

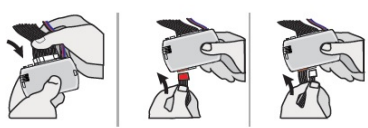**Press** and **hold** the programming button: **Connect** the 4-PIN Data-link harness (Black connector).

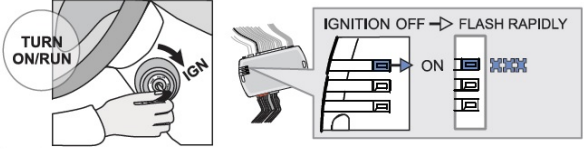↳ The Blue, Red, Yellow and Blue & Red LEDs will alternatively illuminate.

2

RELEASE

ON **BLUE**

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.
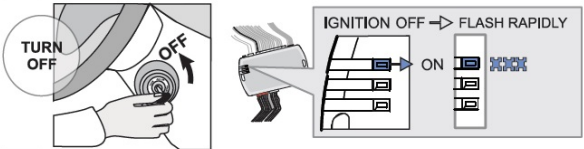
3

Insert the required remaining connectors.

4

TURN ON/RUN

IGNITION OFF → FLASH RAPIDLY

ON ⊞ XXX

Turn the key to the Ignition ON/RUN position.

↳ The BLUE LED will flash rapidly.

5

TURN OFF

IGNITION OFF → FLASH RAPIDLY

ON ⊞ XXX

Turn the key to the OFF position.

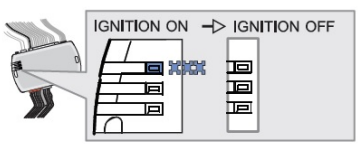↳ The BLUE LED will flash rapidly.

6

With OEM remote

Press the LOCK button on the vehicles OEM remote.

Or

Without OEM remote

Press and release the programming button on the module once.

IGNITION ON → IGNITION OFF

XXX

↳ The BLUE LED will turn off.

The module is now programmed.

Use the remote of the remote starter or security system to test all of the supported features to ensure proper programming.
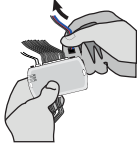
If the Blue Led does not flash rapidly, unplug all the plugs and start over.
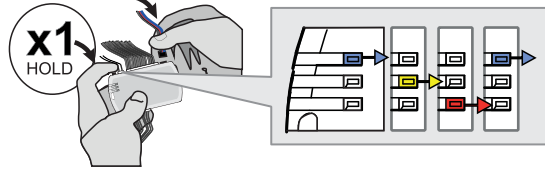
Step 4: Pair the remotes to the remote starter

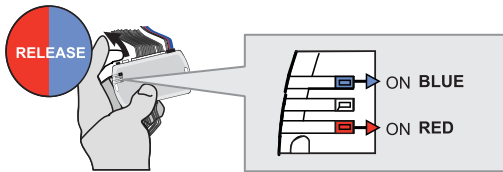# PROGRAMMING REMOTE TRANSMITTER(S)

1 **Unplug** the 4 Pin (Data-Link) connector from the EVO module.

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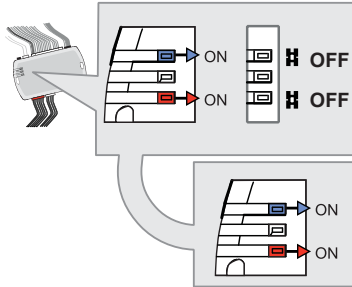Reinsert the 4-Pin (Data-Link) connector.

3 **Release** the programming button when LEDs are BLUE & RED.

ON **BLUE**

ON **RED**

If the LED are not solid BLUE and RED disconnect the 4-Pin connector (Data-Link) and go back to step 1.
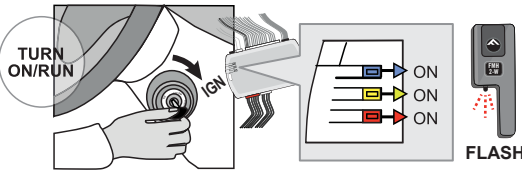
4 ON | OFF
ON | OFF

ON
ON

Press and hold the programming button until the Blue and RED LED turn back ON.

The Blue and Red LED will go Off and back On.

5 TURN ON/RUN | IGN | ON ON ON | FLASH
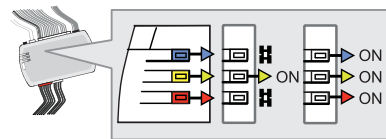
Turn the key to the ON/RUN position.
The Blue, Yellow and Red LEDs will turn On.
The antenna will flash rapidly.

6 RM411

On each Transmitter
Press and **HOLD** the ⏻ for
12 SECONDS and **WAIT** for the LED to **TURN ON SOLID** then **release**.

ON ON ON | ON ON ON

The Blue and Red LEDs will flash once everytime to confirm.

7 TURN OFF

Turn the Ignition to the OFF position and test the installation.

The remote is now programmed.

Step 5: Test the System

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

USING THE REMOTE CONTROL

RM411	press	seconds	COMMAND	DESCRIPTION
	1x	0.5 seconds	**LOCK**	Press the button 1x (0.5 seconds) : Locks all doors, arm the anti-theft system and activates the Alarm (if installed).
	2x	0.5 seconds	**UNLOCK**	Press the button 2x (0.5 seconds): Unlocks all doors, disarms the anti-theft system and deactivates the Alarm (if installed).
	1x	3 seconds	**START OR STOP**	Press and hold the button for 3 seconds: Remote-start the vehicle. If the engine is ON : the engine will turn OFF. ✱

✱ **Stepping on the brake pedal will also shut down the remote starter.**

~TROUBLESHOOTING TIPS - WRANGLER

Common Troubleshooting Questions for This Product

Issue: The Jeep remote starts but will not start with the key.

Solution: Check the male end of the T-harness where it plugs into the immobilizer. Carefully unplug the plug, check that no pins are bent or pushed out and plug back in. Be careful when plugging this into the module as it is very delicate.

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!
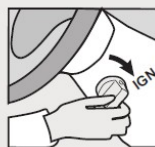
REMOTE STARTER FUNCTIONNALITY

All doors must be closed.

Remote start the vehicle.

Unlock door with remote or key and enter the vehicle.

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

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

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

520.579.1531

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