



TIP SHEET

RS + EVO ALL + T Harness Remote Starter for Kia Optima 2016

Thank you for purchasing your remote start from MPC - an industry leader in providing remote starts to do-it-yourself installers since 1999. We've put this tip sheet together to help you with your installation. The purpose of this sheet is to help you the average person install this into your vehicle.

This kit comes with an ignition T harness for simpler plug and play. We have assembled these products together to give you the easiest installation. The EVO-ALL interface module eliminates the need for extra wiring. When you open this kit up you will see a lot of wires. Do not worry, we have made a list and have a diagram of the wires you will need. Disregard any wires we do not cover as they are optional. Visit www.remotestart.mypushcart.com/wirecharts to get a wire chart for your vehicle.

Tip #1 – Where Everything Goes

1. *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.

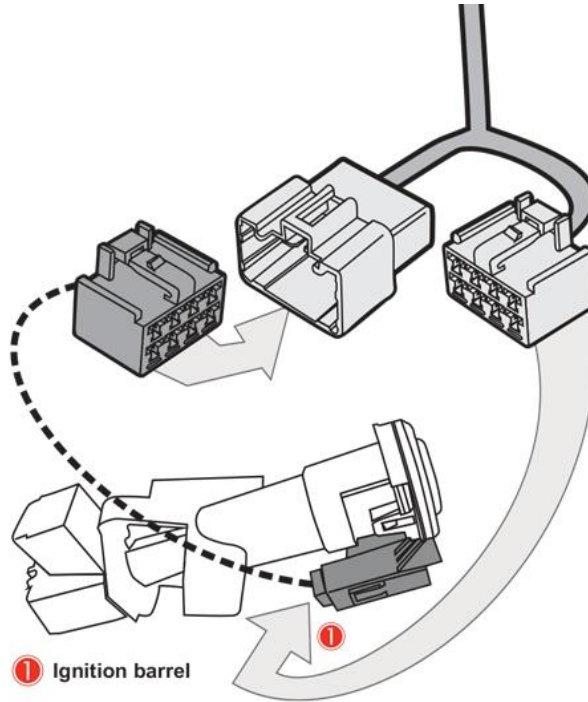
STEP 1: Starting the installation

- Remove everything from the box and place before you. Go over the plugs and refer to them in this tip sheet to see what they are all for. Review the connections needed to be made to your vehicle.
- The bulk of the installation takes place at the key cylinder switch. To gain access to the Ignition switch, you will need to remove the steering column plastic covers. After this is removed you will need to locate the ignition switch plug next to the key cylinder.
- Locate, Test, and Tap the wires needed for the installation. Make sure you **DO NOT** use any T taps on any CAN Hi/Low, RX/TX, DATA, or OBDII wires as it will cause problems with programming and function. If you have any problems with the remote start not working correctly check these wires 1st as the issue lies with the connection most of the time.

Step 2 : Making the Connections

Connecting the Ignition T harness and plug in the 6 pin plug to the RS

Locate and unplug the Ignition plug and plug it into the Female connector of the T harness. Now plug in the Male end of the T harness into the ignition switch. Route the harness down the steering column and keep away from any moving parts. Find a place to mount the brain and route the wires to this area.



Secure the T harness so it does not cross any moving parts and reassemble the plastic cover.

RS Connections

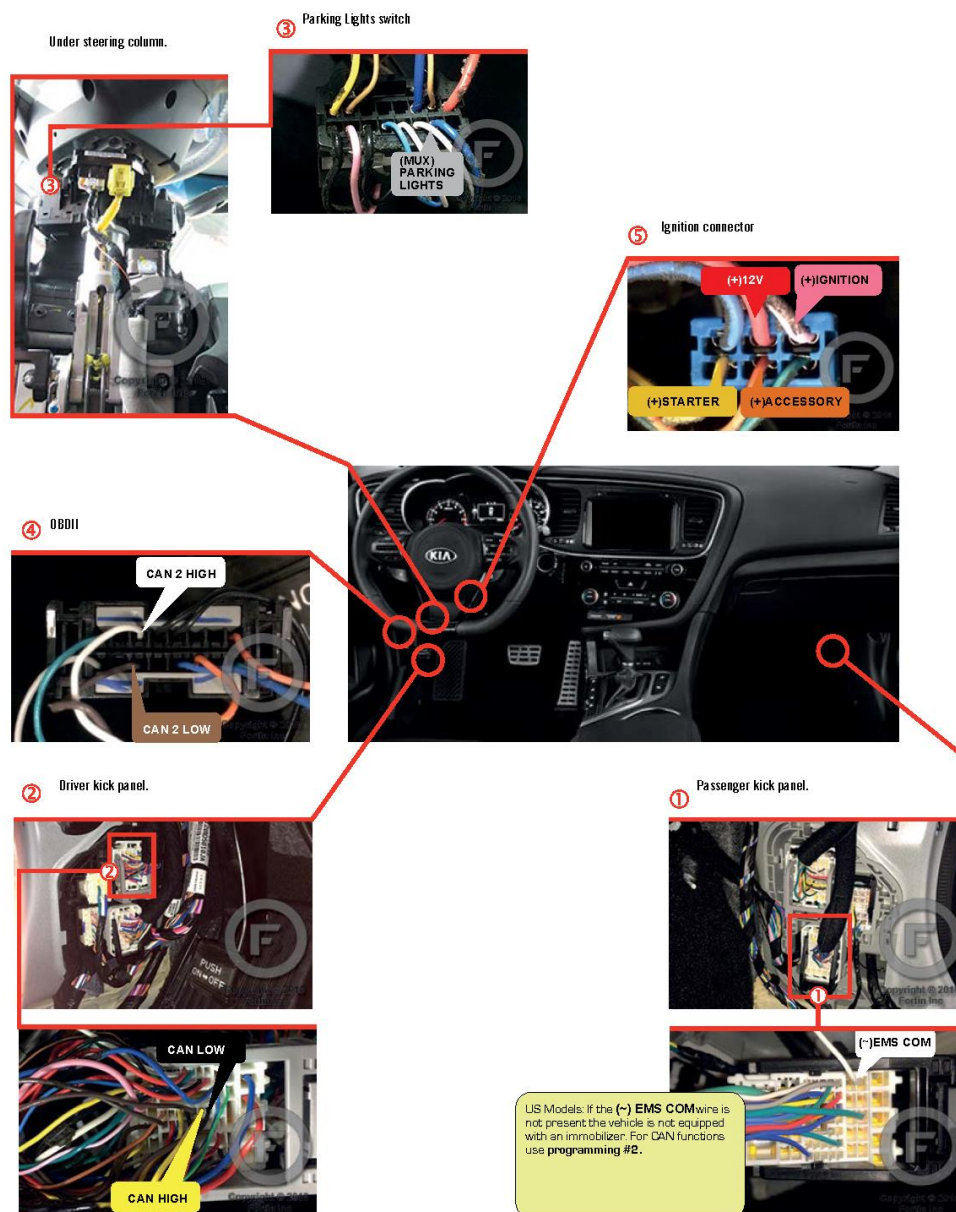
1. **6 pin power plug** – Coming from the ignition harness.
2. **12 pin secondary harness** – Refer to the diagram on what wire are use on this plug. Very few wires will be used. The EVO ALL can control systems such as brake, hood, and lock/unlock wires and they will not need to be connected.
 - Black-** Connect to ground.
 - Optional Parking lights** – The parking lights require 2 wires to be connected to work. If you connect these wires when you remote start your vehicle will turn on the parking lights so you can see your car is running. Wire as follows.
 - White** – parking light output. Connect the White wire to your vehicles parking light wire. Refer to the diagram or the wire chart for location and color of this wire.
 - Red/ Black** – parking light input. Connect the Red/ Black wire to the same polarity as your parking light wire is. Example if you have a negative (–) parking lights then connect to (–) ground. If your vehicle has a (+) parking lights, then connect to 12-volt constant power.
3. **Antenna** - Mount the antenna on the windshield and route the wires down the A pillar. You may need to remove the rubber along the edge of the pillar. Plug the antenna wire into the RS brain. RS0 models do not come with an antenna.
4. **Valet Switch** – The Crimestopper remote starter comes with a Red valet programming button with a small blue 2-pin plug. This is used for programming and changing user options, and while it is not essential for the remote start operation, we recommend to install this so that just in case it is needed in the future. This is may be needed to change programming. See RS programming section for any programming changes that may need to be made.
5. **Optional LED** – The Crimestopper remote starter comes with an LED with a small white 2-pin plug. This is a status indicator and can be useful for diagnostics, but is not essential for

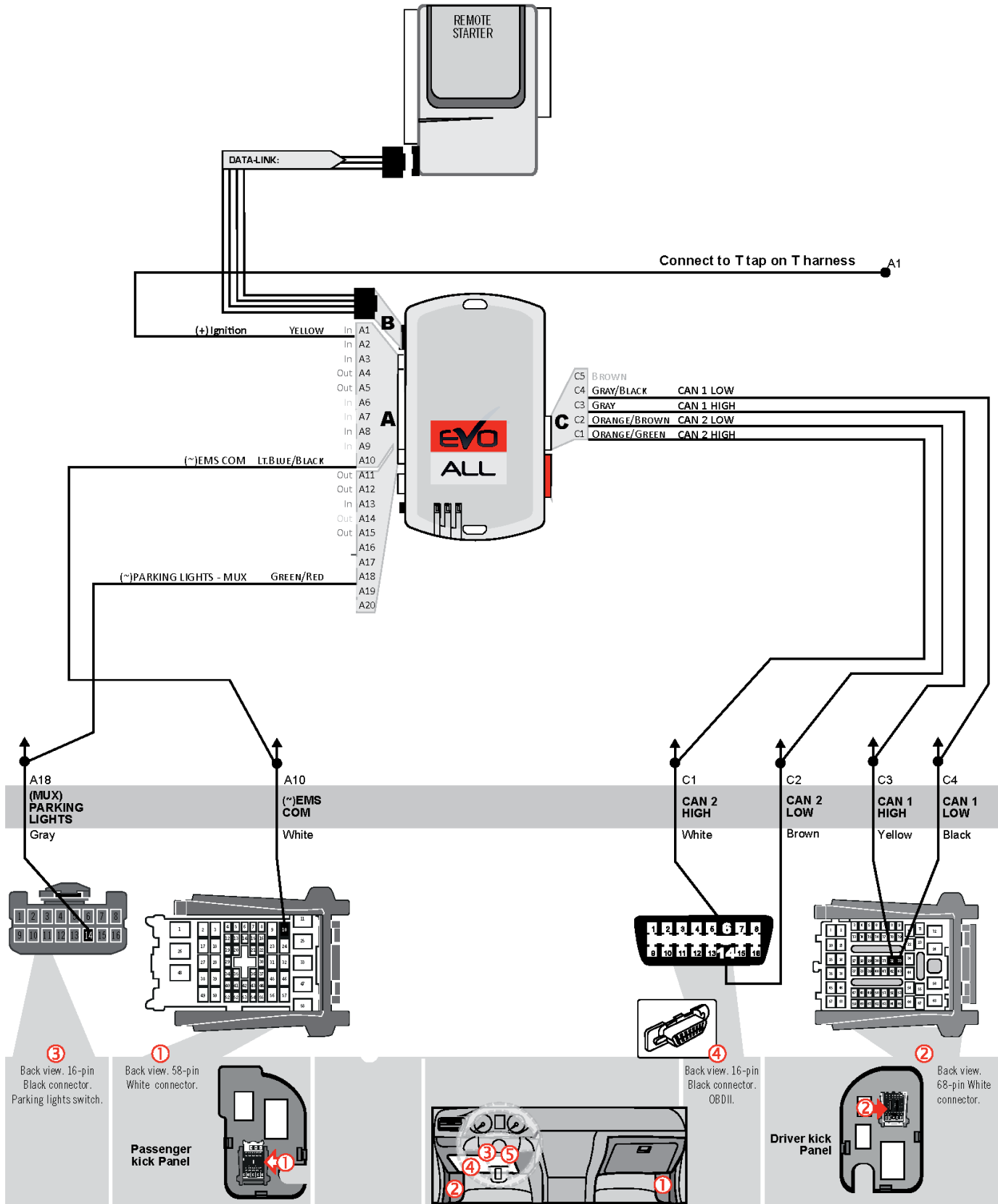
remote start operation. A small hole will need to be drilled into a vehicle panel to mount this optional LED.

- Optional Hood Pin** - Most vehicles come with a factory equipped hood pin switch that the EVO ALL can monitor. If yours does not come with one you can wire in the aftermarket switch we supplied to the labeled Gray wire. You will need to mount the pin switch into metal making sure when you close the hood that the plunger is pressed down.

EVO ALL Connections

Refer to the diagram below on what wires are needed to be connected from the Evo All. Make sure you DO NOT use and T taps on these wires.





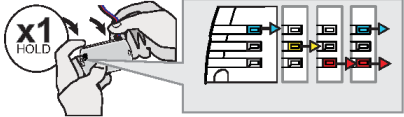
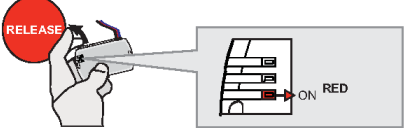
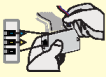
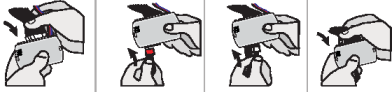
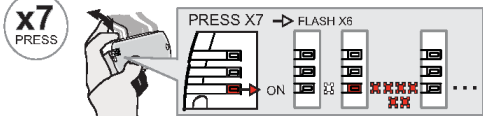
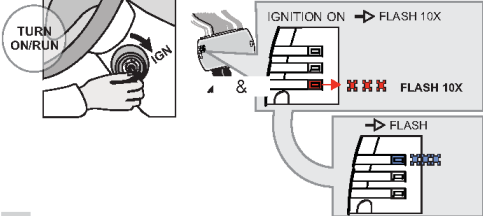
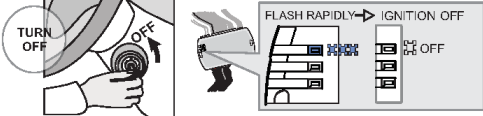

If the – data wire is not present on your vehicle, then do not worry about this connection and skip to programming 2

STEP 3: Programming

Evo all programming

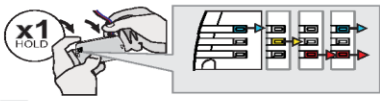
Begin by having the EVO ALL plugs unplugged and preform the following programming steps:

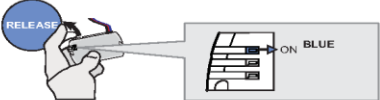
PROGRAMMING PROCEDURE - PROGRAM.: 4


1		<p>Press and hold the programming button: Connect the 4-PIN Data-link harness (Black connector). ↳ The Blue, Red, Yellow and Blue & Red LEDs will alternately illuminate.</p>
2		<p>Release the programming button when the LED is RED.</p>
<p>If the LED is not solid RED disconnect the 4 Pin connector (Data-Link) and go back to step 1.</p> 		
3		<p>Insert the required remaining connectors.</p>
4		<p>Press and release the programming button SEVEN (7x) times. ↳ The RED LED will flash 6 times each second.</p>
5		<p>Turn the key to the Ignition ON/RUN position. ↳ The Red LED will flash 10 times rapidly. Key bypass programmed. ↳ The Blue LED will flash rapidly. CAN-Bus programmed.</p>
6		<p>Turn the key to the OFF position. ↳ The Blue LED will turn off.</p>
<p> The module is now programmed. Use the remote of the remote starter / security system to test all the supported features and ensure all the features are properly programmed.</p>		


If the DATA wire is not present in your vehicle, then do the following programming procedure.

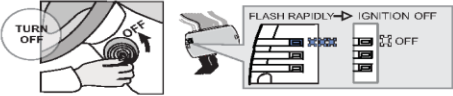
PROGRAMMING PROCEDURE - PROGRAM.: 2

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 alternately 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  **Turn the key to the Ignition ON/RUN position.**
↳ The BLUE LED will flash rapidly.

5  **Turn the key to the OFF position.**
↳ The BLUE LED will turn off.

The module is now programmed.

RS Programming

The RS brain needs to be programmed to work correctly. You will need to change option 4 from the programming table. Refer to the installation manual on how to change this option. This option needs to be changed to **ACC**. If this step is not done the remote start will not function.

1. Turn the ignition on
2. Press the valet/ program button 5 times
3. You can hear the RS brain click 5 times or you can see the LED blink 5 times
4. This confirms you are in programming mode
5. Press the button 4 times
6. This changes option 4
7. Press the brake pedal **1** time
8. You will hear the brain click the number of times you pressed the brake to confirm
9. Turn the ignition off.

STEP 4: Testing

- If you have gotten to this step congratulations you have finished the installation and programming and are ready to see if all your hard work pays off.
- Test all functions. Refer to the owner's manual on how to operate your new remote. Test that you can lock/ unlock the doors if equipped as well as remote start your vehicle. The remote start will engage when you press the key symbol button on your remote. To shut the vehicle off press same button again or press the brake pedal or open the hood.
- After confirming that everything works properly, it's time to mount the unit. Find a secure place to put the remote start module and use zip ties to secure it. A great place is to the left side under the dash. For easier access remove the side plastic dash panel and route the module to this area. 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.
- Enjoy your remote start kit and you can always find a kit for another car here. Visit www.mypushcart.com/search

If you are having difficulties feel free to contact our Tech Support Department
Via Email: auctions@mypushcart.com or call us @ 520-572-2220 M-F 9-5 AZ time

© Copyright 2016 Digitel LLC