



Installation Tips for your Remote Start/Keyless Entry (for Nissan and Infinity Vehicles)

[EVO-ALL INSTALL 2] v1.0

Thank you for purchasing your remote start from MyPushcart.com - 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 organize your installation - not to replace your installation manual. You will still need to refer to that.

If you provided us with your vehicle model/year at the time of purchase, you will have a wiring chart for your particular vehicle. We're going to refer to that a lot. If you do not have the wiring chart, email us at sales@mypushcart.com so we can send you a copy. Be sure to include the model/year of your vehicle, your name and your sales order number.

Two very important things before you get started:

- Read the entire installation manual. There are several safety tips in there that you need to know before you start
- Avoid using a test light to probe wires. Test lights can set off air bags if you probe the wrong wire. Your vehicle wiring chart will identify the correct wires that you'll be tapping on to in your car. If you must probe, use a digital multi-meter. They're inexpensive and won't set off air bags.

Overview

There are 4 basic steps to this remote start installation. We're going to address each of these:

1. Make your wiring connections for the remote start
2. Wire and program the bypass
3. Program the bypass
4. Test the system and button it up!

❓ Need to know where all the components go? See Installer's Tip #1 on page 6

Step 1 – Wiring

When you open up your remote start, you're going to see a whole bunch of wires. You're not going to use all of them. The remote starts are designed with wiring options for a variety of cars and no car is going to use all of them. We're going to break the wiring down into three parts – your main power connections, what we'll call your 'secondary' connections for your remote start, and connections for the bypass module (if you're using one).

Here's where the vehicle wiring chart comes into play. The wiring chart will help you locate the wires that you're going to need in your car. Don't be intimidated by all the different wires listed on the chart – you're only going to be using a few of them. Your wiring chart will come from Crimestopper.

Reading your wiring chart

Each line of the wiring chart contains 3 pieces of information that you will need (continued on next page):

- The "Wire/Function"
- The color of the wire in the car

- The location of the wire in the car

The illustrations below will show you where to find that information on your chart.

Wire function	Wire color on Crimestopper remote start*	Wire color in vehicle	Wire location in vehicle
STARTER	Brown (7-pin plug)	Yellow	Ignition harness
STARTER 2	Pink/white (7-pin plug) Jumper		+

Making your wiring connections

The tables on the next pages show you where to connect the wires from your remote start into the car. Any wires on your remote start that are NOT listed in the table are NOT USED.

Helpful Hint: In most cases, the wires on the remote start are way longer than needed. Trim off excess wire when you make your connections, but leave some slack - this will allow you a little flexibility when it comes time to stow the remote start module after the installation is completed.

For CRIMESTOPPER Remote Starts

Remote Start Wire	Connect to the wire for the circuit on the vehicle chart labeled:
Red (6-pin harness, 2 wires)	Constant 12 Volts
Pink (6-pin harness)	Ignition 12-Volts (also goes to EVO-ALL yellow in 20-pin)
Brown (6-pin harness)	Starter
Grey (6-pin harness)	Accessory
Pink/White (6-pin harness)	Ignition # 2 (not present on all vehicles)
Black (12-pin harness)	System Ground – connect this to a solid metal ground in the car
Yellow/Black (12-pin harness)	Connect to bypass Dark Blue ‘ground when running’ wire. SEE NOTE 1
Red/Black (12-pin harness)	Connect to +12volts *or* Ground. See NOTE 2
White (12-pin harness)	Parking Lamp
Orange/Black (12-pin harness)	OEM Alarm Disarm – Pin 14 @ BCM Green connector
Orange (12-pin harness)	OEM Alarm Rearm – Pin 13 @ BCM Green connector

- **NOTE 1** This wire connects to the Dk.blue (GWR ground while running) wire on your EVO-ALL (20 PIN CONN.)
- **NOTE 2** The red/black wire is used to select the polarity of your parking light output wire. If your wiring chart shows that the parking light wire in your vehicle is ‘+’, then connect the red/black wire to +12v (you can tap it directly on to one of the large red 12v input wires on the remote start’s 6-pin power harness). If your wiring

chart shows that the parking light wire in your vehicle is '-', then connect the red/black wire to ground. Most Nissans will have '+' parking light circuits.

- **NOTE 3** The grey wire is used with a pin switch (included in your kit) to prohibit the remote start from activating while the hood is open. This is an important safety feature!
- **NOTE 4** Vehicles with OEM alarm require 2 additional connections to the BCM harness, as shown in the wiring diagram on page 4. The pin slots in the vehicle plug will be empty. Insert the wires in to the empty slots. If you 'tin' the wires using a soldering iron, they'll stay in place nicely.
- **NOTE 5** With Nissan/Infiniti models **2005 & up**, the tach signal is picked up through the EVO-CAN. You will need to change "Installer Programming Option # 1" to the 'tach wire' setting as detailed on page 13 of the installer's manual. (Note that you will not need to connect the red/white wire as shown in step 1.) For vehicles **2004 and prior**, that do not pick up the tach signal via the EVO-CAN, the remote start has a 'tach sensing' circuit built in that will eliminate the need for any additional tach connections. This is the default setting and no action is required.

Your kit also includes a programming button. Plug the button into the remote start. For tips on where to install the button, see Installer's Tip # 1 on Page 6.

Step 1 – Wiring the bypass

The EVO-CAN bypass requires 7 connections.

20 PIN CONN.

- Yellow connects to the Ignition wire (can be connected to Remote Start's Pink Ignition wire)
- Dk. Blue connects to yellow/black in the remote start 12-pin harness
- Light Blue/Black to driver's door pin (for Autolight shutdown only)

5 PIN CONN.

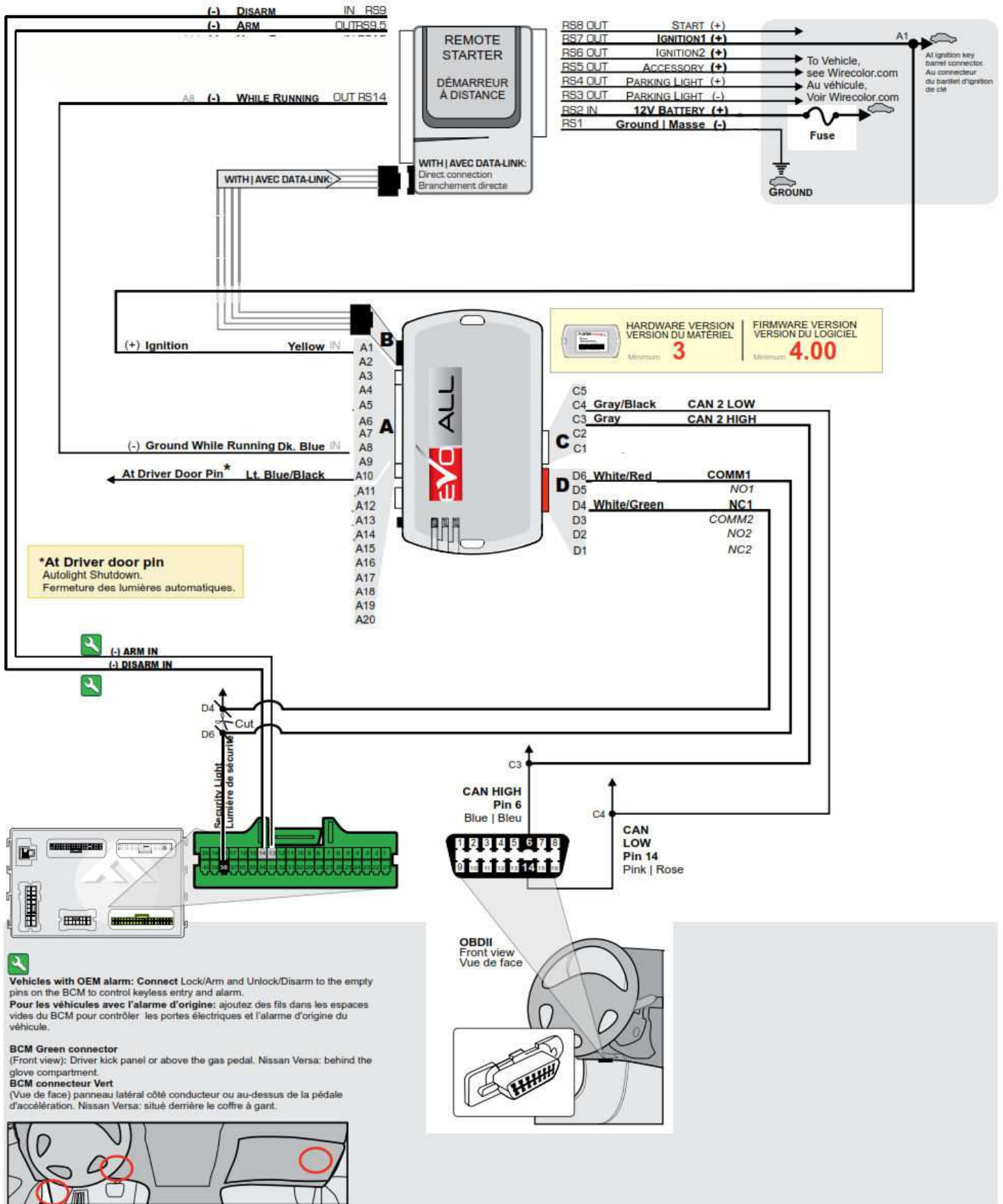
- Gray/Black connects to the wire going to Pin 14 on the vehicle OBD2 connector (see diagram)
- Gray connects to the wire going to Pin 6 on the vehicle OBD2 connector

6 PIN CONN.

The White/Red and White/Green wires go to the wire at Pin 38 in the green BCM plug. Cut the wire, leaving enough length on both sides of your cut to make connections.

- White/Red will connect to the half of the wire that goes into the BCM plug
- White/Green will connect to the other half of the wire

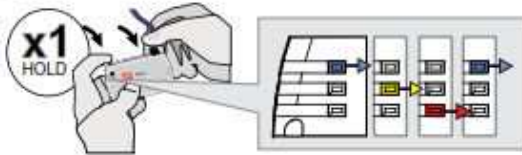
Suggestion: Don't use tap connectors on the Data and other wires coming off the BCM or OBD2 connector. The wires are small and sometimes a tap connector won't make good contact. We suggest you either wrap and tape or solder and tape these connections. See Installer's Tip #2 on page 5.



Step 3 – Program the bypass

PROGRAM. 2

1



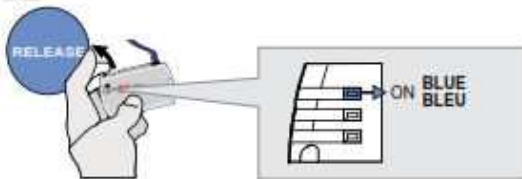
Press and hold the programming button:
Insert the 4-Pin (Data-Link) connector.

↳The LED will alternate between BLUE, YELLOW and RED flashes.

Appuyez et maintenir enfoncé le bouton de programmation:
Insérez le connecteur 4 pins (Data-Link)

↳Les DELS alternent entre un flash BLEU, JAUNE et ROUGE.

2



Release the programming button when the LED is BLUE.

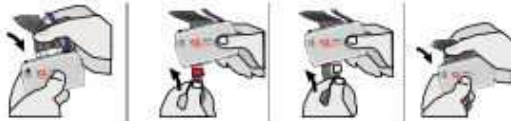
Relâchez le bouton de programmation quand la DEL est BLEU.

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

Si le DEL n'est pas BLEU **débranchez** le connecteur 4 pins (Data-Link) et allez au début de l'étape 1.



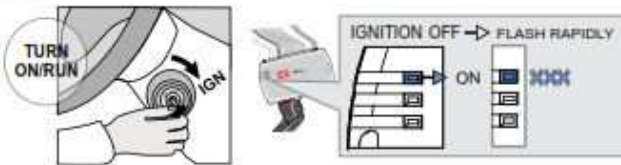
3



Insert the required remaining connectors.

Insérez les connecteurs requis restants.

4



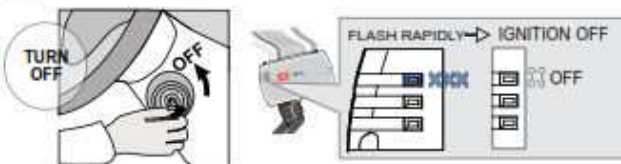
Turn the Ignition to the ON/RUN position.

↳The BLUE LED will flash rapidly.

Tournez la clé en position ignition (ON).

↳La DEL BLEU clignotera rapidement.

5



Turn the Ignition to the OFF position.

↳The BLUE LED will turn off.

Tournez la clé à OFF.

↳La DEL BLEU s'éteint.



The module is now programmed.

Le module est programmé.

Step 4 – Test the System & Close it Up!

Once all your connections are made, you should test the system before putting everything back together.

Press the 'start' button on your remote control. Turn the car off by pressing the brake pedal. If your system has keyless entry functions, check the 'lock' and 'unlock' functions. If your vehicle has electronic trunk release, test that with the AUX button on your new remote fobs.

Once everything has been tested and is working properly, gather up all 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!**

Installer's Tips

Tip #1 – Where Everything Goes

There are 4 parts to your system:

1. *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.
2. *Bypass module* – can be stowed along with the remote start.
3. *Programming button* – Requires a ¼" hole. Usually put in the driver's kick panel (that's the area forward of the door), the driver's side of the center console, or the underside of the dash.
4. *Hood Pin Switch* – An important safety component! 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.

Tip #2 – How to make your wiring connections

It's very important that all your wiring connections be solid and secure. All remote start connections are "tap on" connections. This means that you do not need to cut the wires in the car. You simply need to "tap on" to the wires in the car to make your connections. Here are three different ways to do this:

Method 1 – Solder and tape

This is the method preferred by the best professional installers. It makes for the most reliable connections, but it is also the most difficult to do. Sometimes there isn't enough room in the wiring harness to safely solder a wire without damaging adjacent wires, but if you have the soldering skills, go for it. To make a connection, strip back a section of the insulation on the wire in the car. On heavy gauge wires, 1" is about the right amount. On lighter gauge wires, ½" is fine. Strip 1" of insulation off the end of the remote start wire. Tin the bare section of wire in the car. Wrap the remote start wire around the tinned section and then carefully solder it in place. Wrap the splice tightly with electrical tape.

Method 2 – Wrap and tape

This is the most popular method and is also very reliable. Strip back a section of the insulation on the wire in the car. On heavy gauge wires, 1" is about the right amount. On lighter gauge wires, ½" is fine. Strip 1" of insulation off the end of the remote start wire. Separate the strands of the wire like this:



Pass the wire from the remote through the opening as shown below



Wrap the remote start wire around both sides of the car wire, then back around itself as shown below



Use electrical tape to wrap the connection and secure the wires together. A wire tie will help prevent the tape from unraveling in the future.



Method #3 – “T-Taps”

T-taps are plastic clips that are squeezed onto the wires in the car. The wire from the remote start goes into the tap and the whole thing is crimped together. T-taps come in different sizes for different size wires. Use yellow t-taps for the larger wires in your main power harness. Red t-taps are good for the smaller wires. Tape and wire tie the connections as shown in the “wrap and tape” section above – that will prevent the t-taps from ever opening up.

We now have a “tap kit” available for purchase for those who prefer to use this method. The kit consists of two types of connectors - The taps and insulated male spade connectors that plug into them. The taps attach to the wires in the car and the spade connectors attach to the wires on the remote start. The spades then plug in to the taps. A crimping tool is required.

© Copyright 2013 Digitel LLC

Did you find this document helpful? Please let us know so we can continue to improve our service to you. Suggestions are welcomed and encouraged!

Please email to support@mypushcart.com