



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

[EVO-ALL INSTALL 4 - Intellikey] v1.3 REV 10/31/2013

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](mailto: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. We've broken this down to three sections:

- Connections between the remote start and the vehicle
- Connections between the remote start and the EVO module
- Connections between the EVO module and the vehicle

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.

### Connections from the remote start to the vehicle

Remote Start Wire	Connect to the wire in the car for the circuit on the vehicle chart labeled:
Red (6-pin harness, 2 wires)	Constant 12 Volts
Pink (6-pin harness)	Ignition AND EVO Yellow wire (20-pin harness)
Brown (6-pin harness)	Starter
Grey (6-pin harness)	Accessory
Pink/White (6-pin harness)	Ignition 2 (Not always present – consult your vehicle wiring chart)
Black (12-pin harness)	System Ground – connect this to a solid metal ground in the car
Red/Black (12-pin harness)	Connect to +12volts *or* Ground. See NOTE 1
White (12-pin harness)	Parking Lights See NOTE 1
Orange/Black (12-pin harness)	OEM Alarm Disarm – (See System Wiring Diagram)
Orange (12-pin harness)	OEM Alarm Rearm – (See System Wiring Diagram)

### Connections from the remote start to the EVO module

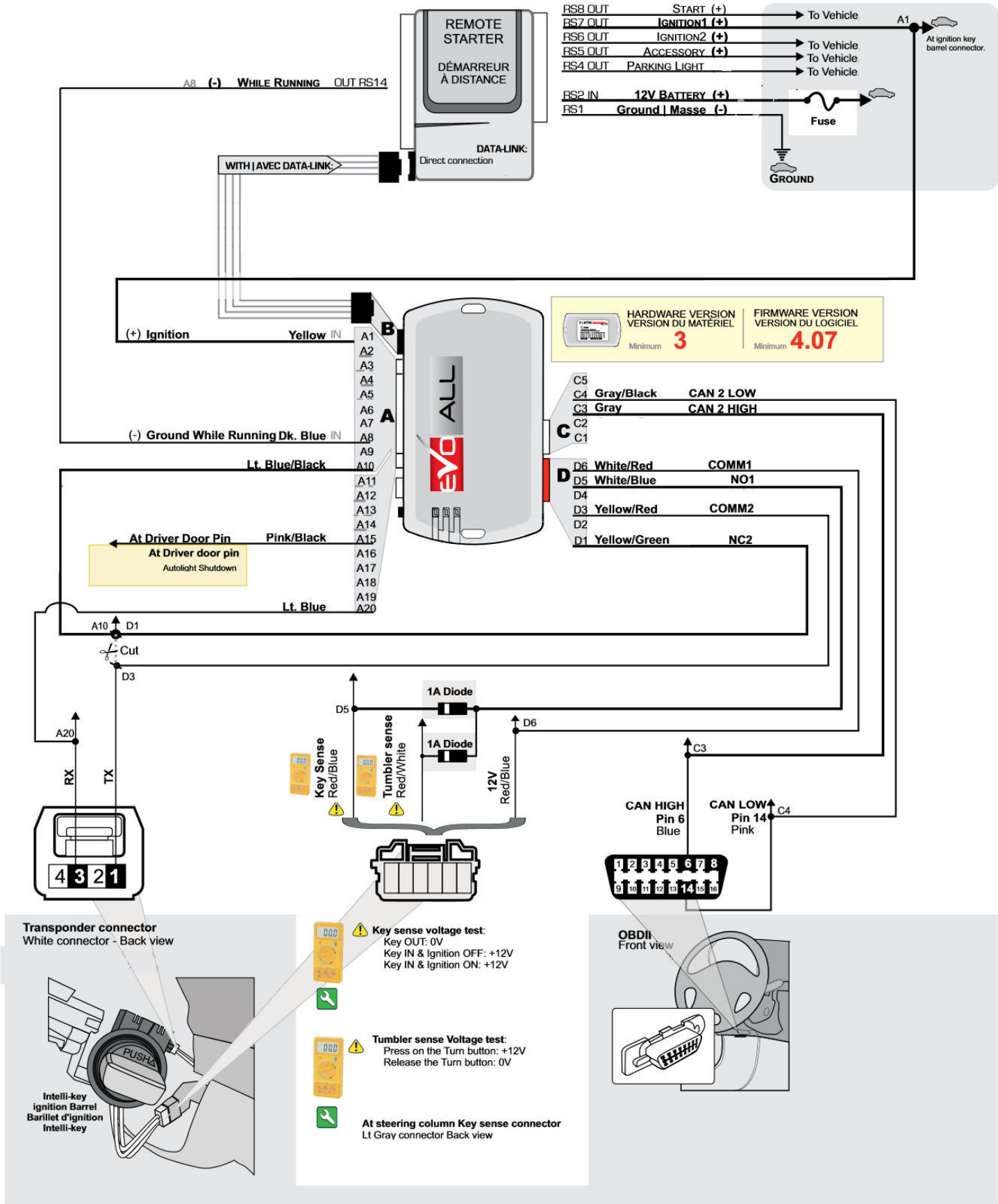
Remote Start Wire	EVO Wire
Pink (6-pin harness)	Yellow wire (20-pin harness) See Note 2
4-wire Data Link Cable	4-wire data port (Labeled 'B' on the system diagram)
Yellow/Black	Dark Blue (20-pin harness)

### Connections from the EVO module to the vehicle

EVO Wire	Connect to vehicle:
Light Blue (20-pin harness)	"RX" At Transponder Connector – See System Wiring Diagram
Yellow/Red (20-pin harness)	"TX" At Transponder Connector – See System Wiring Diagram
Gray/Black	ODBII Port Pin 15 – See System Wiring Diagram
Gray	ODBII Port Pin 6 – See System Wiring Diagram
White/Red	12v Red/Blue at Intellikey Harness – See System Wiring Diagram (see Note 3)
White/Blue	Keysense Red/Blue at Intellikey Harness – See System Wiring Diagram
White/Blue	Red/White at Intellikey Harness – See System Wiring Diagram (see Note 4)
Yellow/Red (6-pin connector)	TX Wire – See Note 5
Yellow/Green (6-pin connector)	TX Wire – See Note 5
Light Blue/Black (20-pin connector)	TX Wire – See Note 5
Pink/Black (20-pin harness)	Driver's door pin – See vehicle wiring chart for color/location

- **NOTE 1** 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. Once you have selected the polarity using the red/black wire, connect the white wire to the parking light circuit as identified in your wiring chart
- **NOTE 2** The remote start Pink wire and the EVO Yellow wire both connect to the ignition wire in the vehicle
- **NOTE 3** There are two Red/Blue wires at the IntelliKey harness. The System Wiring Diagram shows how to determine which wire is Keysense and which is 12v.
- **NOTE 4** The White/Blue wire from the EVO gets connected to the Keysense AND Tumbler sense wires in the Intellikey harness. Use two diodes to isolate them, as shown in the System Wiring Diagram
- **NOTE 5** The TX wire (position 1 on the Transponder Connector) gets cut. The half going towards the Transponder Connector gets connected to the EVO Yellow/Red (6-pin connector). The other half gets connected to the EVO Light Blue/Black (20-pin connector) and the EVO Yellow/Green (6-pin connector)

# System Wiring Diagram



## Step 3 – Program the bypass

See instructions on Page 7.

## 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.

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.

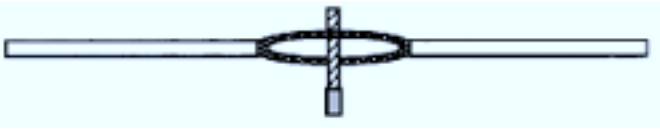
Strip 1" of insulation off the end of the remote start wire. Tin the bare section of wire in the car. Wrap the remote start wire around the tinned section and then carefully solder it in place. Wrap the splice tightly with electrical tape.

### Method 2 – Wrap and tape

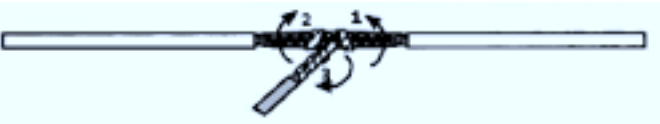
This is the most popular method and is also very reliable. Strip back a section of the insulation on the wire in the car. On heavy gauge wires, 1" is about the right amount. On lighter gauge wires, ½" is fine. Strip 1" of insulation off the end of the remote start wire. Separate the strands of the wire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



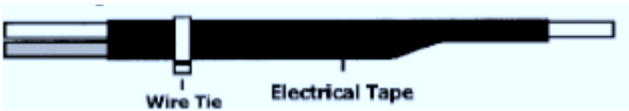
Pass the wire from the remote through the opening as shown below



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”

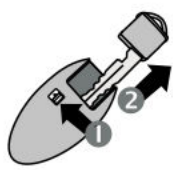
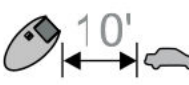

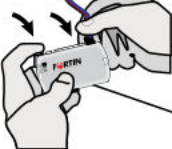

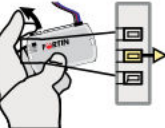

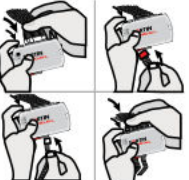

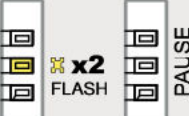
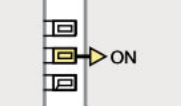

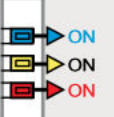
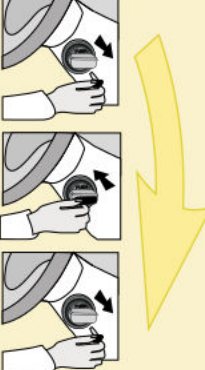

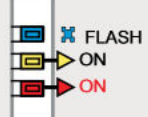






T-taps are plastic clips that are squeezed onto the wires in the car. The wire from the remote start goes into the tap and the whole thing is crimped together. T-taps come in different sizes for different size wires. Use yellow t-taps for the larger wires in your main power harness. Red t-taps are good 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.



PROGRAM. 4

INTELLI-KEY 1/2

<p><b>1</b></p>  <p><b>Remove the valet key from the back of the OEM remote.</b> <b>Retirez la clé valet du dos de la télécommande d'origine.</b></p>	<p><b>2</b></p>  <p><b>Keep the OEM remote at least 3 meters (10 feet) away from the vehicle to proceed.</b> <b>Éloignez la télécommande d'origine du véhicule (10 pieds / 3 mètres min) pour procéder à la programmation.</b></p>	<p><b>3</b></p>  <p><b>Press and hold the programming button:</b> <b>Appuyez et maintenir enfoncé le bouton de programmation:</b></p>	<p><b>4</b></p>  <p><b>Insert the 4-Pin (Data-Link) connector.</b> <b>Insérez le connecteur 4 pins (Data-Link).</b></p>	<p><b>5</b></p>  <p><b>The LED's will alternate between BLUE, YELLOW and RED flashes.</b> <b>Les DELS alternent entre un flash BLEU, JAUNE et ROUGE.</b></p>	<p><b>6</b></p>  <p><b>Release the programming button when the LED is YELLOW.</b> <b>Relâchez le bouton de programmation quand la DEL est JAUNE.</b></p>
<p><b>7</b></p> <p>If the LED is not solid YELLOW disconnect the 4-Pin connector (Data-Link) and go back to step 2. <b>Si le DEL n'est pas JAUNE débranchez le connecteur 4 pins (Data-Link) et allez au début de l'étape 2.</b></p> 	<p><b>8</b></p>  <p><b>Insert the required remaining connectors:</b> 20 pin (White), 5 pin (White), 6 pin (Red), 2 pin (White). <b>Insérez les connecteurs requis restants:</b> 20 pins (Blanc), 2 pins (Blanc), 5 pins (Blanc), 6 pins (Rouge)</p>	<p><b>9</b></p>  <p><b>Press and release the programming button twice (2x).</b> <b>Appuyez et relâchez 2 fois le bouton de programmation.</b></p>	<p><b>10</b></p>  <p><b>The YELLOW LED will alternate between 2x flashes and a pause.</b> <b>La DEL JAUNE alterne entre x2 clignotements et x1 pause.</b></p>	<p><b>11</b></p>  <p><b>Wait until the YELLOW LED turns ON.</b> <b>Attendre que la DEL JAUNE s'allume.</b></p>	<p><b>12</b></p>  <p><b>Insert the valet key in to the ignition slot.</b> <b>Insérez la clé valet dans le bouton d'ignition.</b></p>
<p><b>13</b></p>  <p><b>The RED and BLUE LED's will turn on.</b> <b>Les DELs ROUGE et BLEU s'allument.</b></p>	<p><b>14</b></p> <p>If the BLUE, YELLOW and RED LED's are not solid, remove the key and go back to step 5. <b>Repeat this step until the BLUE, YELLOW and RED LED's are solid.</b> <b>Si les DELs BLEU, JAUNE et ROUGE ne sont pas allumées solide, retirez la clé et recommencez l'étape 5.</b> <b>Répétez cette étape jusqu'à ce que les DELs BLEU, JAUNE et ROUGE s'allument.</b></p> 	<p><b>15</b></p>  <p><b>Turn the Ignition to the ON/RUN position.</b> <b>Tournez la clé en position ignition.</b></p>	<p><b>16</b></p>  <p><b>The Blue LED will flash rapidly.</b> <b>La DEL BLEU clignote rapidement.</b></p>		
<p><b>17</b></p>  <p><b>Turn the Ignition OFF.</b> <b>Tournez la clé à OFF.</b></p>	<p><b>18</b></p>  <p><b>Turn the Ignition to the ON/RUN position.</b> <b>Tournez la clé en position ignition de nouveau.</b></p>	<p><b>19</b></p> <p>This process may take up to 3 minutes. <b>La programmation peut prendre 3 minutes.</b></p>  <p><b>The BLUE YELLOW and RED LED's will rapidly alternate.</b> <b>Les DELs alternent rapidement entre BLEU, JAUNE et ROUGE.</b></p>	<p><b>20</b></p>  <p><b>When the YELLOW LED begins to flash rapidly: Key bypass programmed.</b> <b>Lorsque la DEL JAUNE clignote rapidement: Contournement de clé programmée.</b></p>	<p><b>21</b></p>  <p><b>Turn the Ignition OFF.</b> <b>Tournez la clé à OFF.</b></p>	<p><b>22</b></p>  <p><b>The module is now programmed.</b> <b>Le module est programmé.</b></p>

**INTELLI-KEY  
REMOTE STARTER FUNCTIONALITY | FONCTIONNALITÉS DU DÉMARREUR À DISTANCE**



All doors must be closed.

Toutes les portes doivent être fermées



**Remote start** the vehicle.

**Démarrez à distance.**



**Unlock** the doors with either:

- The OEM remote
- The remote-starter remote
- Or the proximity remote

**Déverrouillez** les portes avec soit:

- la télécommande d'origine
- la télécommande du démarreur à distance
- ou la télécommande de proximité.



**Enter** the vehicle with the Intelligent Access Key.

**Entrez** dans le véhicule avec la clé intelligente (Access Key) sur vous



The vehicle can now be put in to gear and driven.

Vous êtes maintenant prêt à embrayer et prendre la route.



If the doors are not unlocked with one of these conditions the module will lock the vehicle's turn-knob as soon as any door is opened.

Si les portes ne sont pas déverrouillées avec l'une de ces conditions, le module va verrouiller le bouton d'ignition à l'ouverture de l'une des portes.