



Installation Instructions for GM Remote Start w/ INTSL Interface Pre-wired

Review the remote start installation manual for safety instructions!

Overview

Your kit consists of two modules – a remote start and an INTSL interface module. The INTSL is designed to make the installation of the remote start very easy. In addition, your kit includes a packet of clamp-on quick connects, a plug-in long range antenna, a plug-in programming switch and a plug-in LED. This kit has been prewired and all the connections have been made within the 2 units. Once installed, your system will provide keyless entry control of factory installed power door locks, and will start the vehicle using the remote controls provided with the kit.

Step 1 : Starting the installation

Begin by removing the plastic panel at the bottom of the dash, above where the pedals are. To gain access to the Under Dash wiring of the vehicle, you will first need to remove this Under Dash panel, remove the (2) 7mm screws at the Bottom of this panel on each end. Be careful not to break the panel – especially in cold weather. To remove the Under Dash panel, loosen the Dash Bezel on each side of the Steering column and the Under Dash panel will pull off.



With the Under Dash Panel removed, you will need to remove this Metal Knee bolster, it is held in place by (4) 10mm Bolts. With the Metal Knee Bolster removed, you can now get to the under dash wiring.



Install the on-glass antenna and the programming switch. Good locations for the antenna are at the top center of the windshield and along side the driver's side windshield pillar. Tuck the wire inside the headliner and/or plastic molding and run it down the underside of the dash, near the parking brake release.

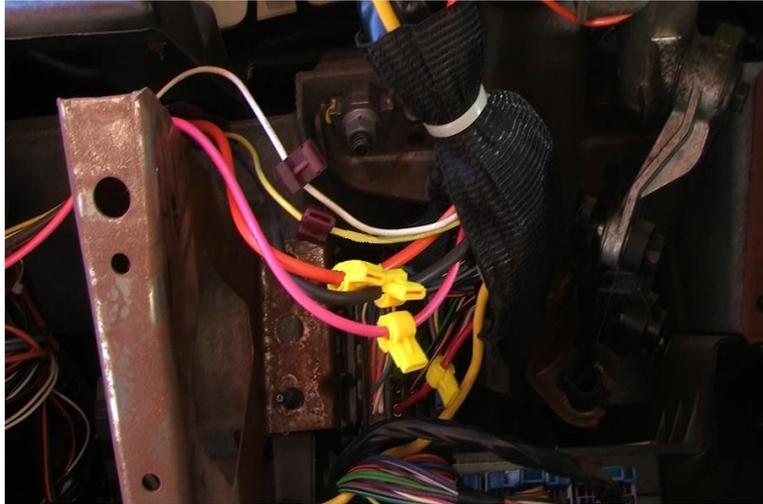


Tip #1 – Where Everything Goes

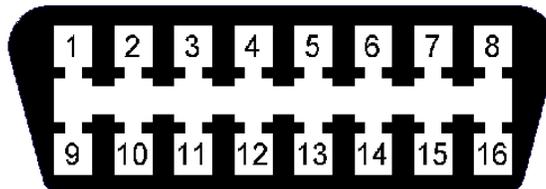
1. *Module* – the wiring for the module is done under the dash on the driver's side, so you'll want to install the module in that general area. Before you start wiring, look for a location where there's some open space that will fit the module. Pay attention to moving parts like the pedals, e-brake and steering column. Be sure to route your wiring away from those areas.

Step 2 : Make the connections

1. Using a pair of pliers, clamp one yellow quick-connect onto each of the following HEAVY GAUGE wires in the ignition switch harness: Yellow, Orange, White, Red, and Pink. In some vehicles, the Red wire switches color at the harness to Red/White or Red/Black. It's a good idea to test all the wires in the remote start's main power harness to make sure you've made the right connections. Use a volt meter and test at the end of the plug that goes into the remote start. The two red wires should read +12 volts whether the car is on or off. The Grey, Pink and Pink/White wires should read +12 Volts when the car is running, and nothing when the car is off. The Brown wire should read +12 Volts when the starter is cranking, and nothing the rest of the time.



2. The remote start's power wires (6-Pin harness) have male spade connectors pre-installed on the ends. Plug those connectors into the yellow quick-connects you just installed. The power wires are labeled to show you which wires in the car they should be plugged in to.
3. Locate the ODB2 diagnostic plug. Locate the Purple wire in Pin 2 (from top left corner of connector) and strip the insulation back and wrap the bare wire from the INTSL+ (purple) around and tape the connector. In most cars it's purple.



4. Route the remote start harness wires so they do not interfere with any moving parts.

5. Plug the remote start's power harness into the remote start
6. Connect the remote start's 12-pin harness. You will only be using the black and gray wires, so you may want to cut the rest of the wires short and tape them with electrical tape. Leave the red/white wire long. There's a slight chance you may need it later.
7. Connect the black from the 12-pin remote start harness to a solid ground.



8. Plug the antenna and programming button wires into the remote start.
9. There is a 4-wire cable (red, black, blue, white) provided with the INTSL module that connects it to the remote start. Plug that cable into the remote start's data port. The data port is on the left side of the module, next to the antenna port. *Do not connect the other end to the INTSL yet.*
10. There is an LED included in the kit that can be used as a security deterrent. This is optional. If you want to use it, install the LED and plug it in to the remote start module.

Step 3 : Programming the data interface

1. Press and hold the programming button on INTSL. Now plug in the 4-pin connector (red, black, blue, white) to connect the INTSL to the remote start module. The LED will turn on.
2. Plug the white 14-pin connector into the INTSL. It is easy to plug this connector in backwards – be careful!
3. While holding the programming button, turn the key to the IGNITION position. The LED will flash rapidly.
4. Release the programming button and start the vehicle with the key. The LED will turn off. Turn the key off, and the INTSL is programmed.

Optional wiring

Hood Pin - The grey wire in the remote start's 12-pin harness serves two functions. It is used when you program your remote start's optional features,

and when used in conjunction with the pin switch provided in the kit, it can also be used as a safety to prevent the remote start from starting the vehicle with the hood open. If you want to use the safety feature, you can either connect the grey wire to an existing hood pin that connects to ground when the hood is opened, or you can install the pin switch provided in the kit. We strongly recommend you do this. If you choose not to connect the grey wire to the hood pin, leave it accessible because you will need to be able to touch it to ground when you do your features programming.

Valet switch - Use a ¼" drill bit to make a hole for the programming switch. The top of the plastic kick panel on the left is a good location. Makes sure that the switch and the wires do not interfere with the parking brake.

Finish up!

1. Test all functions. After confirming that everything works properly, use the supplied zip tie wraps to secure the remote start module and all the wires connected to it. Make sure none of the wires interferes with any of the moving parts under the dash. Replace the plastic panel that surrounds the ignition switch.
2. Cap off or tape the ends of any wires you're not using to prevent accidental grounding or other contact.

Note:

In some instances, the remote start module will not be able to pick up the tach signal from the data interface port. In the event you experience this, just connect the tach wire from the INTSL (orange/black on the 14-pin harness) to the tach wire on the remote start (red/white in the 12-pin harness)

Installation Tip:

Use a pair of pliers to attach the quick-connects to the wires in your car. Hold the quick connect as shown below in Figure 1, then clamp it on to the wire as shown in Figure 2. There is a locking tab at the front of the connector (Figure 3) – make sure it is secure and locked in place when you are done. We've included a piece of wire an extra quick-connect so you can try it before you start working on the car.



Figure 1



Figure 2

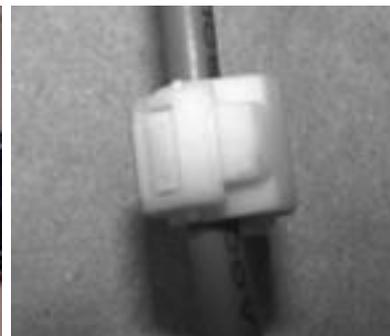


Figure 3