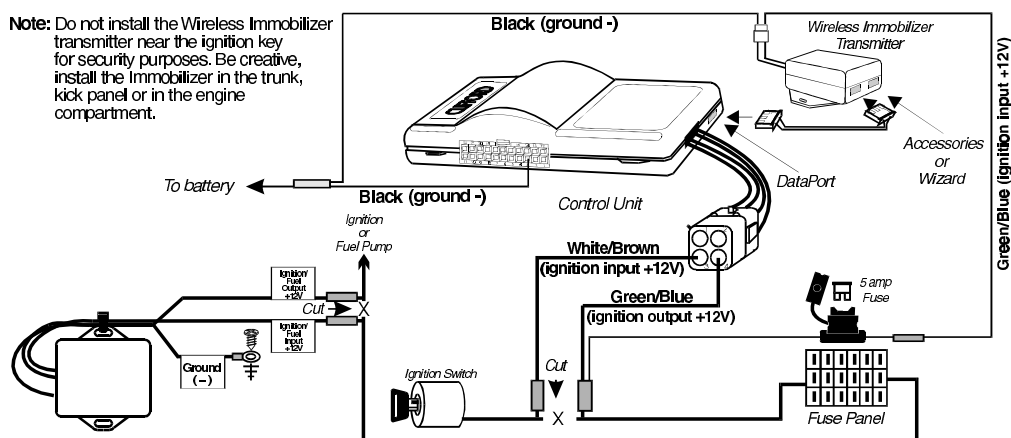


Wireless Immobilizer

The Wireless Immobilizer can be installed anywhere in the vehicle where there is a 12V power source that supplies the fuel or ignition circuits. The Wireless Immobilizer is durable and waterproof, so it can be installed either inside or outside of the passenger compartment, even under the hood or quarterpanels! What makes this Immobilizer so unique is that there are no wires to the control unit for a thief to trace. You can take advantage of this by hiding the Wireless Immobilizer in a very discrete location in the vehicle. When installing the Wireless Immobilizer, **you must** note the location of the Immobilizer on the form provided. A copy of this form must be given to the vehicle owner and one must be kept on file at the facility where the system was installed.

NOTE: The Wireless Immobilizer is a normally closed relay that relies upon the power of the circuit that it interrupts to operate. When the Immobilizer receives power, it looks for an RF signal from the control unit for 20 seconds. If it gets the proper signal within the 20 second time frame, the relay stays closed. If it does not receive the correct signal within the allotted time, the relay opens and the vehicle is immobilised.

DO NOT INSTALL THE WIRELESS IMMOBILIZER UNTIL ALL OTHER COMPONENTS OF THE SECURITY SYSTEM INSTALLATION HAVE BEEN COMPLETED AND THE SYSTEM HAS BEEN POWERED UP!



Installing the Wireless Immobilizer Transmitter

To install the Wireless Immobilizer transmitter (only install if the alarm you are installing DOES NOT have an internal Wireless Immobilizer included as standard equipment).

1. Connect the GREEN/BLUE wire to the ignition, if you alarm has an ignition interrupt, make sure the GREEN/BLUE wire of the Wireless Immobilizer transmitter connects to the ignition side of the interrupt, not the key side.
2. Connect the BLACK wire to ground.
3. Connect the three-pin dataport connector from the Wireless Immobilizer transmitter to the dataport receptacle on the control unit of the alarm.

Installing the Wireless Immobilizer Receiver

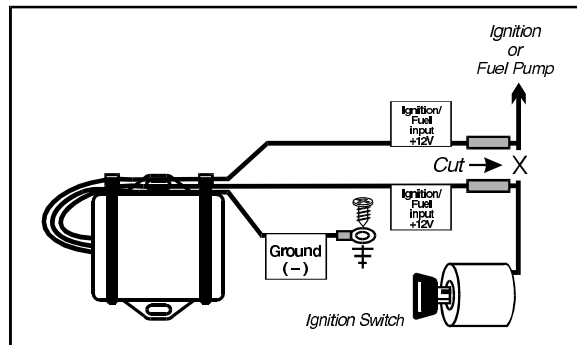
The circuit that you interrupt must have 12V while the car is running. When this 12V wire is cut, the engine must stop running.

1. Find a positive ignition wire or positive fuel pump wire.
2. Connect the negative lead of the Clifford Signal Strength Indicator to ground and probe the wire with the test tool connected to the Signal Strength Indicator. In order to insure sufficient signal strength, **you must use the Clifford Signal Strength Indicator to probe the line!** See the following for instructions on using the Clifford Signal Strength Indicator.
3. Start the car. You will have 20 seconds to verify that the wire has 12V while the engine is running and that the signal is strong enough for the Wireless Immobilizer. After 20 seconds, the Signal Strength Indicator stops responding to the signal.
4. With the engine running, cut the wire. The engine should die. If the engine does not die, reconnect the severed line and choose another circuit to interrupt.

NOTE: If the ignition is left ON and the engine has not been started, most vehicles will stop supplying power to the 12V circuit that goes to the fuel pump.

5. Connect the BLACK wire with the **Ignition Input + 12 Volts** label to the key side of the cut line.
6. Connect the BLACK wire with the **Ignition Output + 12 Volts** label to the engine side of the cut line.
7. Connect the ground wire to ground.
8. Remove the labels from each of the wires.
9. Mount the Wireless Immobilizer securely with screws, tie wraps, double-backed tape, Velcro or any other secure mounting method that is suitable for securing the device to the vehicle.

NOTE: The ground point used by the Wireless Immobilizer must be very clean. A factory bolt that has been completely cleaned with a wire brush is recommended.



Using the Clifford Signal Strength Indicator

Strong signal strength is required for operation of the Wireless Immobilizer. Therefore, it is very important that you test the 12V ignition or fuel pump wire for signal strength prior to installing the Wireless Immobilizer. This must be performed after installing the transmitter and prior to installing the receiver.

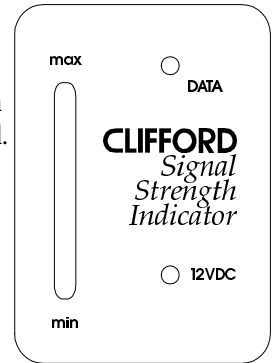
The Signal Strength Indicator has both a negative and a positive lead. The positive lead is connected to a tool that is used to probe the 12V ignition or fuel pump line, and the negative lead is connected to ground. To test the line, connect both leads and start the engine. The LED status indicators will display the signal strength for 20 seconds.

The 12VDC LED should be lit solid.

The DATA LED should be lit solid or flashing rapidly.

All of the signal strength LEDs should be lit

If any of the above are not present, choose a different lead to interrupt.



Troubleshooting and Testing

If the car's engine dies repeatedly after starting, synchronize the Wireless Immobilizer with the control unit:

1. Locate the Wireless Immobilizer
2. Press down firmly on the top of the Wireless Immobilizer and hold. You should feel the top of the enclosure move inward slightly as you apply pressure.
3. While you are pressing the top of the Wireless Immobilizer enclosure, have someone start the engine. Release the top of the Immobilizer.
4. After 30 seconds have passed, turn OFF the engine.