

Installing a Motorcycle Alarm System

We think you've made a good choice in allowing West Coast Cycle to protect your bike. Now the question is: "How in the world am I going to install this – there are so many wires." What seems like a hard task is actually not too bad; however, you need to have at least some mechanical ability. Installation is all about planning, gathering information, and careful execution. Yes, you will need to do a little research to make your installation easier. The more information and reference diagrams, the better. You will need to learn how to test the polarity of a wire using a digital multi-meter. Lastly, you will need your basic tools to remove some vehicle panels to access the vehicle wiring.

Gathering Information and Reference Material

Information is the backbone of your soon to be successful installation. You should gather documents with vehicle specific wiring colors, locations and polarities. These charts are available in a multitude of places, generally free of charge. You can locate this information in the bike's shop manual, at the dealership of the bike, or possibly online.

Planning the Alarm Install

Your plan will be the difference between a finished product and a job left for next winter. A few minutes of planning and prepping will yield at least an hour and a half less install time. It's not fun, but it needs to be done! Begin by studying your vehicle specific diagram side by side with your bike alarm installation diagram. Identify which features you plan to use on the alarm, not all features are necessary. (e.g., immobilizer, remote starting)

Preparing the Wiring

Once you identify which items you will install along with the alarm, eliminate the unused wires to prevent clutter. It is common practice to twist the wires of a same plug together then secure them to each other with electrical tape. Do not wrap the entire bundle, as different wires go to different locations. Once you finish wrapping all the harnesses tape them to each other to create one large pigtail containing all of the used wires. This keeps the wires together, secure and free from frays and obstruction. You will now want to identify the locations of the wires which you will connect to on your bike. Take your harness of wires on the alarm which you just organized together, and split it down once more into vehicle locations. Group wires into three different groupings, for example dash, rear, and engine wires, or use your own grouping procedure. Tape these wires together in their bundles to create individual wiring bundles.

Checking the Bike

You will need to inspect your vehicle to be sure of a few things previous to beginning the installation process. Check your vehicle and identify which tools are needed to remove the necessary panels. You will once again refer to your vehicle wiring diagram to find the locations of the wires where the panels will be removed. Once done, you are ready to begin the installation.

Execution

Removing the Panels

The right tools are the difference between bloody knuckles or no sweat. We suggest you seriously consider the specialty items, as they will be handy in other wiring projects in your future. You will want to begin by removing the

panels where your wires are located. Be sure to notate where all clips and screws go.

Wiring the Alarm Unit

Once the panels are removed, you will want to locate a good spot to mount the module. The harder to see, the better. This will make it much more difficult for a would-be-thief. You will generally tie strap, screw, or adhere (if adhesive pad is provided) the module to a support brace or stiff, flat surface. Be sure to mount the unit in a location that is not too close to the engine. As a general rule we suggest at least 12 inches from the engine. Also, if an adhesive strip is provided with your alarm system, be sure to prep the surface with rubbing alcohol or degreaser prior to mounting. Next, run the LED display light, siren, and external antenna, if equipped. Be sure to mount your siren in an obscure location also. At this time, everything which will be plugged into the unit should be. Begin by wiring any necessary relays first, if any are necessary. Getting this out of the way now will save you from a rat's nest of wires. After the relays are wired, begin connecting your wires to the proper locations. You may want to read the article on testing wires polarity before making any connections. You should always test wires before you make a connection. Connecting the wires can be done in a number of fashions. You can splice the wires and tape them using electrical tape. You can solder then tape or heat shrink. You can use t-tap connectors, although we personally do not recommend them. It is completely your preference, but we suggest soldering connections followed by heat shrinking. Just be sure the connection is solid and free of any tension.

Congratulations, your bike is now safer!!

Your installation should now be complete. Put the panels back on the vehicle and open your alarm manual. There should be a section which displays the functions of your alarm system; this is great for testing your installation. Go through this process thoroughly. You will want to address issues, if any immediately. If you are having problems, refer to troubleshooting an install. If not, congratulations!

ATTENTION: West Coast Cycle always suggests installation be performed by a certified and trained installation technician, professional installation is requirement to obtain full warranty(This does not include LED lighting Kits). This wiring information is being provided free of charge and on an "as is" basis, without any representation or warranty to the products being installed. It is your responsibility to insure proper installation. West Coast Cycle assumes no responsibility with regards to the accuracy or currency of this information. Proper installation in every case is and remains the responsibility of the installer. West Coast Cycle assumes no responsibility resulting from an improper installation, even in reliance upon this information. All product warranties are voided by self-installation. Any harm or injury to the installer is in no way the responsibility of West Coast Cycle. Any damage to the vehicle during installation or after installation is not the responsibility of West Coast Cycle.