

2 GO KEYLESS™



DGD-KIM

Keyless Ignition Module Installation Guide



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DIGITAL
Guard Dawg™
KEYLESS SECURITY PRODUCTS

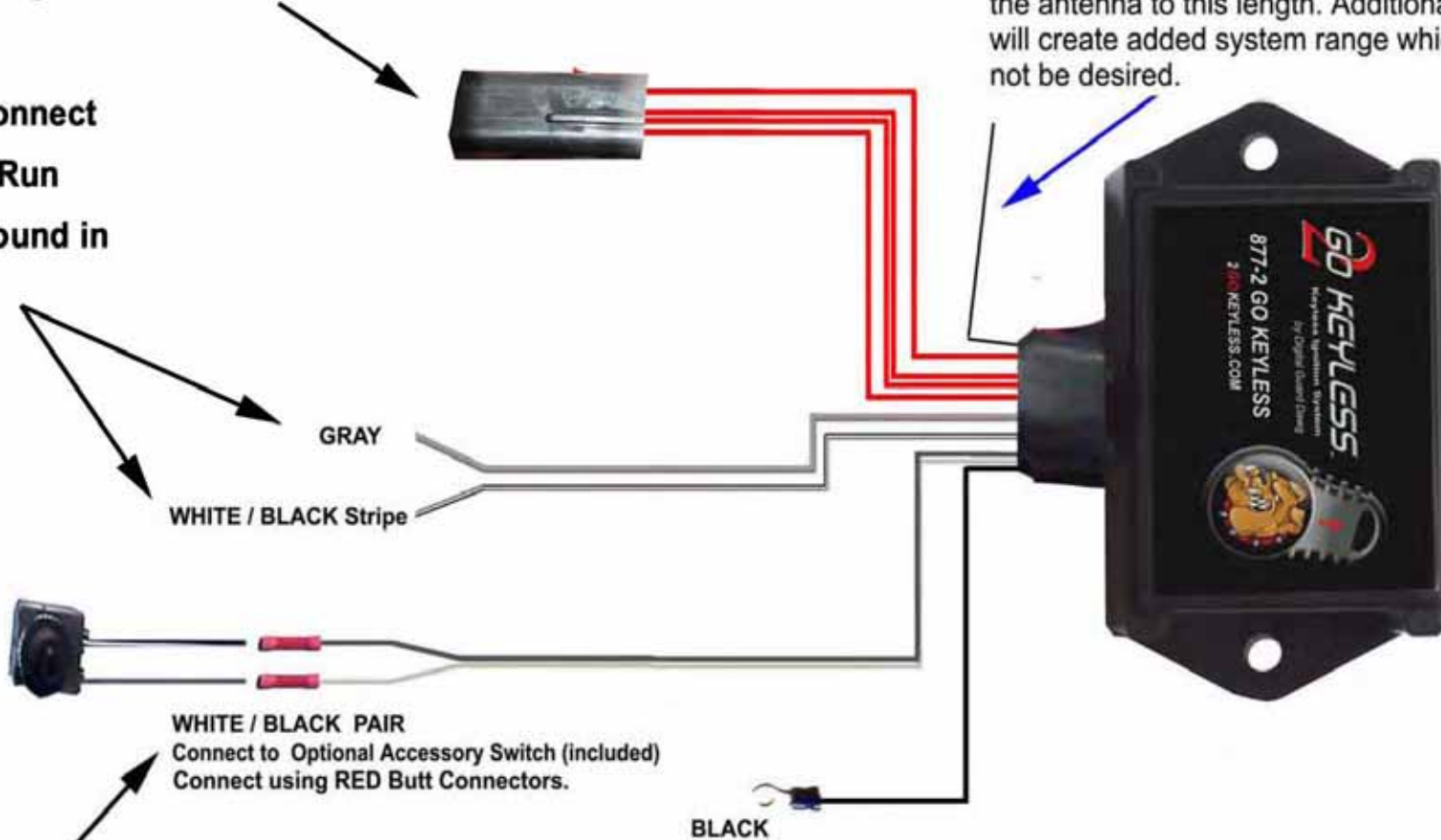
Digital Guard Dawg Keyless Ignition Module Overview

*** IMPORTANT NOTE: TRIMMING YOUR ANTENNA

The thin 8" black wire is the systems antenna. It has been left long so that if the module is mounted behind metal, the antenna can be extended to an unobstructed location. You Will Only Need 1.5 to 2 inches of exposed antenna for the system to operate correctly. Once the system is installed, trim the antenna to this length. Additional antenna will create added system range which may not be desired.

Unplug your existing key switch and plug in this connector to the ignition harness.

These wires connect to your Stop / Run switch wires found in the headlight.



GRAY
WHITE / BLACK Stripe

WHITE / BLACK PAIR
Connect to Optional Accessory Switch (included)
Connect using RED Butt Connectors.

BLACK

This is the optional
Accessory Switch.

This wire connects to the factory ground
found in the headlight.



Keyless Ignition Module

Contents

Dawg Tag Transmitter



Button cap



(3) RED Butt Connectors



Accessory Control Button



Keyless Ignition Module Installation for Victory Motorcycles

Installation consists of five steps:

1. STOP/RUN Switch Connections
2. Ignition Key Switch Connections
3. Mounting the Module
4. Installing the Accessory Switch (optional)
5. Final Testing

Tools you will need:



Various Wrenches & Sockets



Crimp Tool



Screw Drivers



Heat Gun



Wire Strippers



12V Test Light



STEP 1 Victory

STOP / RUN Switch Connections

***** Turn both your Ignition & Stop / Run switches OFF before beginning!**

Here you will make the connections between the bikes STOP/RUN switch and the Keyless Ignition Module. You will first need to open your headlight.

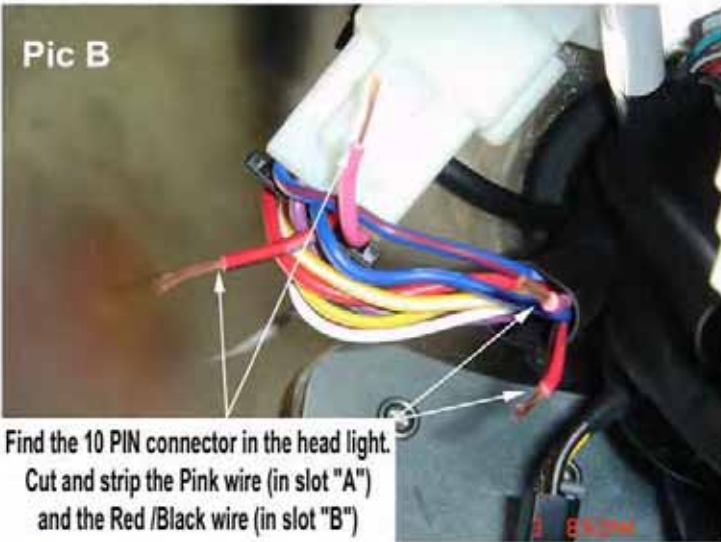
Remove the screws necessary to gain access inside the light. (Pic A) Once inside, locate the harness labeled as the "RIGHT SIDE" hand controls. It will be coming in from the handlebars. It is typically a 10 PIN connector. Two of the wires in this connector are from the STOP/RUN switch.

GRAY
Connect to Hot Side*
STOP / RUN Switch

WHITE / BLACK Stripe
Connect to Cold Side
STOP / RUN Switch



**Digital Guard Dawg
Keyless Ignition Module**



Pic B

Find the 10 PIN connector in the head light.
Cut and strip the Pink wire (in slot "A")
and the Red /Black wire (in slot "B")

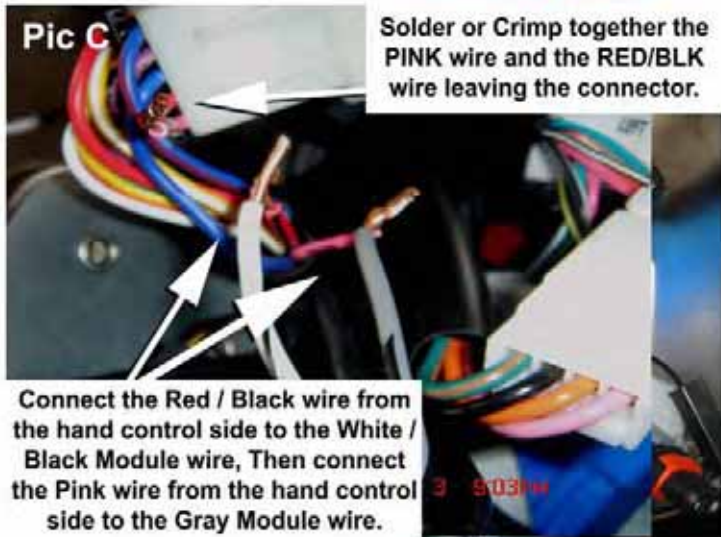
There are two sides to the connector, the side going to the hand controls and the side going to the bikes main harness. You will want to make all your connections on the side of the connector going to the right hand controls.

Begin by cutting the PINK wire and the RED / BLACK Wire approximately 1" after they leave the connector on the hand control side. (Pic B)

Now, either Solder or use the Red butt connectors provided to attach the PINK wire and the RED / BLACK together. (Pic C)



Pic A



Pic C

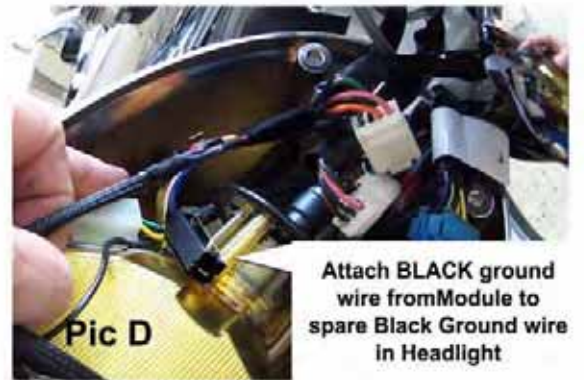
Solder or Crimp together the PINK wire and the RED/BLK wire leaving the connector.

Connect the Red / Black wire from the hand control side to the White / Black Module wire, Then connect the Pink wire from the hand control side to the Gray Module wire.

Next, Solder or use the Red butt connectors provided to connect the WHITE / BLACK wire from the Keyless Ignition Module to the RED / BLACK hand control wire.

Now, connect the GRAY wire from the Keyless Ignition Module to the PINK hand control wire.

Lastly, attach the BLACK GROUND wire from the Keyless Ignition Module to the Spare GROUND CONNECTOR already in the head light. (Pic D).



Pic D

Attach BLACK ground wire from Module to spare Black Ground wire in Headlight

STEP 2

VICTORY

KEY SWITCH

Connections

Here you will disconnect the Key switch currently on your bike and plug in the Digital Guard Dawg Keyless Ignition Module.

Begin by removing the cover from your Key Switch. It is held in place by clips. Pull firmly straight out to release it. (Pic A)

Next, run the main harness from the Keyless Ignition Module and the Black paired Accessory wires from the headlight to the area near your Key switch. Secure with zipties.

Remove the Key switch from the bike; begin by removing the two 10mm bolts holding the Key switch to the mounting bracket and unplug the connector at the back of the switch from the main harness.(Pic B)

Now, plug in the connector from the Keyless Ignition Module into the female connector (Pic C) from the main harness. Make sure it is locked into position. Secure with zipties.



STEP 4 VICTORY

Installing Accessory Switch (Optional)

***** If you plan to install the systems optional Accessory Switch.** The side of the Mounting Bracket is an ideal place to locate and mount the Accessory switch where it is accessible but able to be seen. This is a good time to remove the complete bracket and drill a hole for to put the switch through. You will need to remove three 10mm bolts to remove the mounting bracket from the bike. (Pic D) Put the Accessory Switch through the hole and secure with the rubber button cap. (Pic E) Connect the Accessory Switch wires to the Black paired wires from the Keyless Ignition Module. When complete, reassemble, tighten bolts and secure wires with zipties

Removing the Mounting Bracket



Optional Accessory Switch: If this Accessory circuit is NOT added to the installation, your Accessory circuit will automatically come on and go off as you turn your STOP/RUN Switch On/Off with your Dawg Tag present. If the Accessory Switch is added it allows you to turn your Accessory circuit ON/OFF without requiring that your Dawg Tag is present. This can be desirable for several reasons. 1. It can allow independent control of a Radio / CD player or LED lighting when the bike is OFF. 2. Some bikes need independent control of the accessory circuit to preform diagnostics.

Mounting the Accessory Switch



STEP 4 VICTORY

Mounting the Module Positioning the system antenna.



Expose approximately
1/2" of antenna wire
from metal light
housing.

Here you will be permanently mounting the systems module and positioning the systems antenna. Since the systems antenna cannot read through metal, you will need to run the antenna wire out the back of the headlight. Once the headlight is reassembled you will be cutting the antenna wire to adjust the range.

Begin by securing the Keyless Ignition Module with zipties so it cannot move in the headlight. Once the Module is secured, locate the small Black 22 gauge Antenna wire from side of the Keyless Module and run it to the back of the headlight where the harness wires exit. Use electrical tape and zipties to make certain the wire will not get pulled back into the headlight after the light is reassembled and the bike is operated.

Now, reassemble your headlight and cut the exposed Antenna wire so that approximately 1/2" is protruding from the metal light housing.

***** You may need to re-cut the antenna again after final testing if you find the range is to great.**

Now proceed to "System Testing"

A variety of covers are available from your Victory dealer to add the finishing touch.



Testing your Keyless Ignition Module:

***** Before Testing your system, replace the Maxi fuse and be sure to have trimmed your system antenna as explained on page 2.**

Testing Step 1. Initial System Testing

1. Put the RUN/ STOP switch to STOP position.
2. Wait 30 Seconds for the system to ARM.
3. Flip the STOP/RUN to RUN and push your “Start” button (your bike should not start)
4. Put the RUN/ STOP switch back to STOP position.
5. Push the Label on the face of the Dawg Tag until the LED lights.
6. Flip the STOP/RUN to RUN and push your “Start” button (your bike should start)

Putting your Dawg Tags into “Automatic” Mode

Your Dawg Tags were shipped in “**Manual**” Mode. This is why you have needed to push the Dawg Tag label to get your bike to operate during system testing. Once you have completed initial system testing, you will want to switch them into “**Automatic**” mode for final testing and to use your system in a completely “**Hands Free**” manner.

***** READ SWITCHING FROM “MANUAL” MODE TO “AUTOMATIC” MODE BELOW.**

Switching from “Manual” mode to “Automatic” mode.

You can Check which mode your Dawg Tags are in and Switch modes:

How to check which mode your system is in:

You can check which mode your Dawg Tag is in by following the procedure below:

1. Firmly push and hold the label on the Dawg Tag until the LED goes OUT. (approximately 6 seconds),
 2. Quickly, push the label 3 times, Then, COUNT HOW MANY TIMES THE LED FLASHES
- The Dawg Tag will Flash 5 X if it is in “Manual” mode and 3 X if it is in “Automatic” mode.

Switching from “Manual” mode to “Automatic” mode.

1. Firmly push and hold the label on the Dawg Tag until the LED goes OUT. (Approximately 6 seconds)
2. Quickly, push the label 3 times,
3. Let the Dawg Tag complete its flashing, (3 or 5 times depending on current mode)
4. Again, push the label 3 times, then watch for the LED to “Flicker” confirming the mode has changed.

(If you are in doubt as to whether you switched modes, simply repeat the procedure and count the flashes).

5. The Dawg Tag can be toggled from “Manual” mode to “Automatic” mode and back again by simply repeating this procedure. *** If you purchased multiple Dawg Tags you may want to only put one of them into “Automatic” mode. This will extend battery life during storage.

STEP 2. Final Testing “IGNITION” With The Dawg Tag in “Automatic” mode

1. Turn your Stop/Run to STOP
2. Take all system Dawg Tags and place them 40 feet away from the bike.
3. Wait 30 Seconds for the system to ARM.
4. Flip the STOP/RUN to RUN and push your “Start” button (your bike should not start)
5. Walk over and pick up the Dawg Tag, Give it a slight shake to activate the motion sensor and walk back to your bike,
6. Flip the Run/Stop Switch to the Run and Start your bike.
7. 1. Turn your Stop/Run to STOP. Engine should turn off and all lights should turn off.

STEP 3. Final Testing “Accessory”

1. Turn your Stop/Run to STOP
2. Take the all system Dawg Tags and place them 40 feet away from the bike.
3. Wait 30 Seconds for the system to ARM.
4. Push the accessory button. All Accessory lights and functions should activate.
5. Push the accessory button again. The entire bike should be “OFF.”

STEP 4. Checking and Adjusting System Range

The thin 8" black wire is the systems antenna. It has been left long so that if the module is mounted behind metal, the antenna can be extended to an unobstructed location. You Will Only Need 1 1/2 to 2 inches of exposed antenna for the system to operate correctly. Once the system is installed, trim the antenna to this length. Additional antenna will create added system range which may not be desired.

***** Range Testing assumes that your system antenna is trimmed to approximately 1.5" - 2" of exposed wire.**

1. Turn your Stop/Run to STOP
2. Take all active system Dawg Tags and place them 40 feet away from the bike.
3. Have someone sit on your bike and turn your Stop/Run to RUN and HOLD DOWN the “Start” Button.
4. Pick up the Dawg Tag, give it a slight shake to activate the motion sensor, and **slowly** walk towards your bike (**approximately one step per second**) and note when the bike powers up.

***** Additional fine tuning adjustments can be made to Increase or Decrease system range. See the “Adjusting System Range” page in the back of this manual.**



DIGITAL Guard Dawg™

PERSONAL RECOGNITION SYSTEM

If you have the Digital Guard Dawg Option, Please read the following pages:

Using the System

Day to Day Operation

One of the most desirable benefits of the Digital Guard Dawg™ system is its effortless, hands-free ease of operation. By simply keeping the Dawg Tag™ with you, all security functions of Arming and Disarming your system are completely automatic. Without doing anything, your bike's protected every time you turn off your Stop / Run switch and just walk away!

Automatic & Manual Modes

Your Dawg Tag can be used in either Automatic or Manual modes. "Manual" mode gives you complete control of when your system activates regardless of range. When your Dawg Tag is in Manual mode you must "Push" the label on the front of the tag before your bike can be started. *(The ! LED will light up)*. Additionally, when in Manual mode, your bike will automatically Rearm 30 seconds after the STOP/RUN switch is turned OFF, even when you are near your bike. On occasions where you may be close to your bike, yet want to assure that your system can't be activated, Manual mode is your answer. Manual mode can also be quite helpful during system installation and initial testing.

How it Works

The area around your bike (approximately 10 feet) is monitored for the presence of your Dawg Tag™. (One of over 6 Billion unique codes). The system Deactivates your Ignition after your Dawg Tag™ leaves the monitored area around the bike and Activates again when the Dawg Tag™ returns.

***** Important Note:** The Dawg Tag in "Motion Activated" and begins trying to communicate with the "Smart Relay" only when it detects movement, *(such as when you are walking towards your bike)*. If the Dawg Tag™ remains completely motionless for over two minutes, it will stop trying to communicate with the "Smart Relay" until it detects movement again, even if it is within the monitored area.

Example: If you are standing next to your bike, but are standing virtually "Motionless" the Dawg Tag may go to sleep. When you flip the Stop / Run switch the system may not immediately activate. If this happens, simply give your pocket containing the Dawg Tag a "Pat" to wake it up.

FAQ's

Is my Dawg Tag™ supposed to Rattle?

Don't worry, nothing is broke. The noise you hear when you shake your Dawg Tag™ is just the motion sensor.

Do I ever have to replace the battery in my Dawg Tag™?

Your Dawg Tag™ contains a lithium battery designed for operational life of 1 to 3 years depending on use. Battery status can be tested by pressing the hidden button and observing the LED. **If the LED lights up solid your battery is Good if the LED flashes, flickers or fails to light up, the battery is "Weak" and should be replaced.** The battery is a CR 2450 Lithium cell and can be purchased at most drug or electronic stores, Radio Shack™ etc.

To replace your battery, just remove the two screws in the back of your Dawg Tag™ and exchange the battery, making sure to put it in with the same side up, and screw the case back together.



What happens if I lose my Dawg Tag™?

No problem, we can start you right over the phone, just like magic! Put this phone number in your wallet and call our Service Hotline 916-337-1040 if you ever need assistance.

What if I have difficulty starting my bike?

Should you ever experience momentary difficulty in starting your motorcycle, Don't Panic. This is caused by one of two reasons and is easily solved. Momentary difficulty starting your motorcycle may be caused by interference from outside radio signals (random RF) much like interference you occasionally get on your cell phone. This can occur if you are parked near a powerful commercial radio tower or near high power radio equipment such as in police or other emergency vehicles. These random RF transmissions can interfere with Digital Guard Dawg's™ automatic disarm signal and prevent you from immediately starting. The second reason you could experience difficulty is a weak battery in your Dawg Tag™. **Either of these conditions is easily solved by simply boosting the Dawg's disarm signal.**

To boost your disarm signal, simply push the hidden button located behind the label on your Dawg Tag™ as shown. The LED above the button will light up and you will instantly be able start your motorcycle.

If I drop my Dawg Tag™ will my bike shut off?

NO! for safety reasons, once the Dawg Tag has authorized the ignition the bike will not shut off or rearm until 30 seconds after YOU shut off the bike.

Can I get additional Dawg Tags™?

You can always add additional Dawg Tags™ to your system or get a second Smart Relay for an additional motorcycle and cross program them to all work together. Just call **Customer Service at 916-337-1040**

Will my insurance company give me a discount?

Digital Guard Dawg™ is a "Passive Starter Interrupt System", the most advanced on the market. Many insurance companies give discounts up to 25% off comprehensive coverage for a system of this type. Check with your individual insurer for specific discount information.

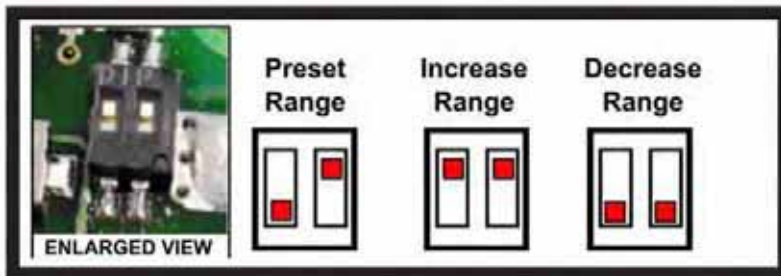
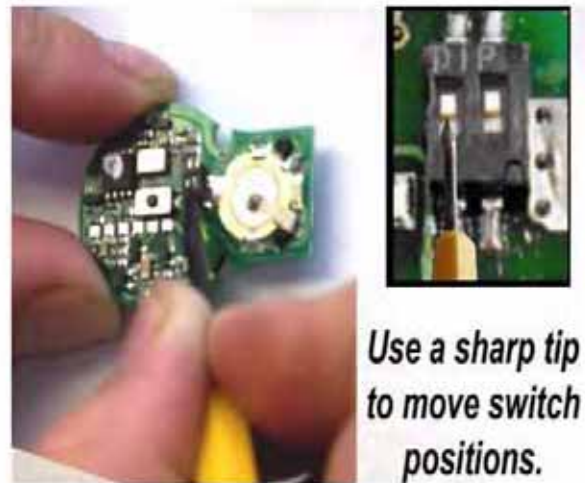
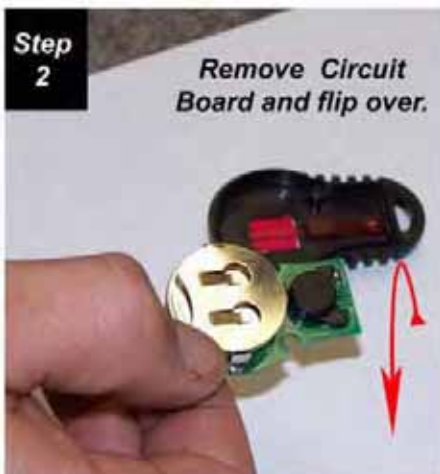
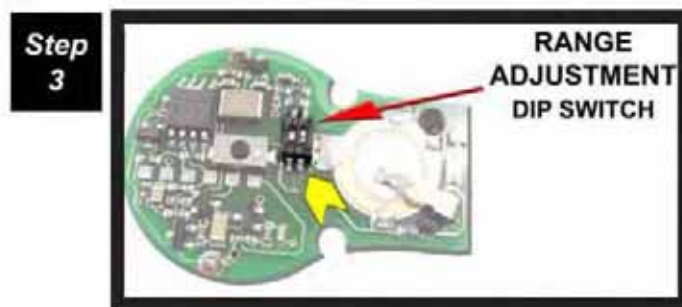
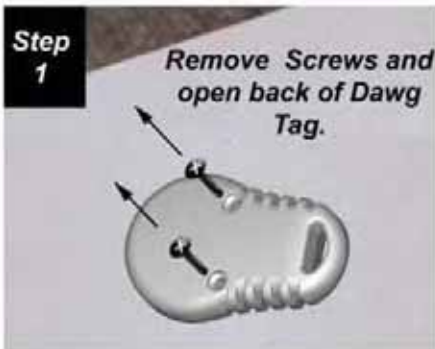


DIGITAL Guard Dawg™ PERSONAL RECOGNITION SYSTEM

Adjusting Your System Range

The Digital Guard Dawg™ is bench tuned to achieve approximately 10' feet of operating range. Actual system operating range can vary depending on several factors including the amount of metal nearby to the Smart Relay install location.

For this reason, we have provided a way that you can fine tuning the operating range specifically to your bike. Should you desire to **Decrease** or **Increase** the operating range of your Digital Guard Dawg™ system you can do so with the following instructions.



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DIGITAL
Guard Dawg INC.

24988 Blue Ravine Rd Buildings 108-129 Folsom, CA 95630

ph 916.337.1040 fax 800.383.1950 www.digitalguarddawg.com

Warranty

Digital Guard Dawg Inc. warrants this system against manufacturing defects and workmanship for one full year from the date of purchase. This warranty is limited to the original purchaser of the security system. Proof of purchase is required. The installed motorcycle must be registered with the State Department of Motor Vehicles.

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"This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received, including interference that may cause undesired operation" Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.