

## Anti-Theft Protection Info

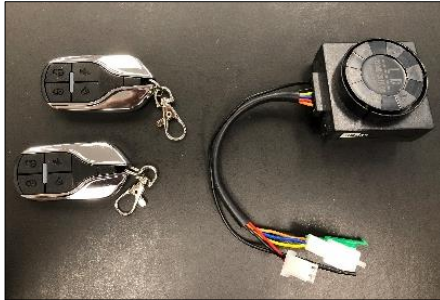
Take care of your ONYX Motorbike, and it will take care of you...! This document provides reference information, procedures, and other supporting information for the anti-theft protection devices provided with your ONYX Motorbike.

### ANTI-THEFT PROTECTION DEVICE INFORMATION

This section provides information related to the anti-theft alarm system employed on ONYX Motorbikes.

Item	Specification
Installed Bike Anti-Theft Protection Devices	<p><b>Bike Protection:</b> Audible Motion/Vibration-Activated Alarm with Bike Activation/Deactivation Control and Uniquely Coded 4-Button Transmitter Remote Control Fob with LED Push-Button Indicator (two (2) fobs provided)</p> <p><b>Bike Battery Protection:</b> Durable Steel Lock Tab and Quarter-Turn Tumbler with Uniquely Cut Key Lock for Battery Cover (two (2) keys provided)</p>
Anti-Theft Alarm dB Level	120 dB
Anti-Theft Alarm Working Voltage	48 – 72VDC
Anti-Theft Alarm Remote Fob Transmitter Working Range - Approximate	<p><b>Open Area Operating Distance:</b> +200 feet (60 meters)</p> <p><b>Operating Distance with Obstructions:</b> +30 feet (10 meters)</p>
Anti-Theft Alarm Remote Fob Transmitter Frequency	433 MHz
Anti-Theft Alarm Working Voltage	48 – 72VDC
Anti-Theft Alarm Remote Fob Transmitter Battery Type	CR2032
Anti-Theft Alarm Features	<p>Programmable Smart Motion/Vibration-Activated Alarm with Audible Warning (1st Motion) and Lockout Feature (2nd Motion)</p> <p>“Million Code” Programmed Code Ensures Alarm Anonymity</p> <p>Water Resistant ABS Plastic Housing</p> <p>Ultra-Low Power Consumption with Minimal Effect on Battery</p> <p>Bike Locator Function</p> <p>Bike “Carjacking” Disabling Function</p>
Anti-Theft Alarm Programmable Features	<p>3-Degree Motion/Vibration Sensitivity Control</p> <p>Audible Alarm Silencing Control (electronic lock function kept)</p>

## Additional Alarm Unit Reference Info



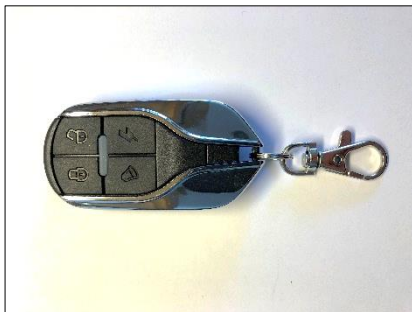
*Anti-Theft Alarm Set*



*Anti-Theft Alarm Unit with Motion Sensor*



*Anti-Theft Alarm Remote Fob Set*



*Anti-Theft Alarm Remote Fob Front View*



*Anti-Theft Alarm Remote Fob Back View*



*Anti-Theft Alarm Unit Code Number*

**NOTE:** If the alarm transmitter fobs are lost, damaged, or stolen, a new alarm and fobs must be ordered and sent to the rightful ONYX Motorbike owner. Please understand that ONYX Motorbikes will ask for a receipt of purchase before sending a new alarm unit set. Once the purchase and owner have been verified, a new alarm set will be sent.

## Battery Cover Lock Reference Info



*Battery Cover Lock Set*

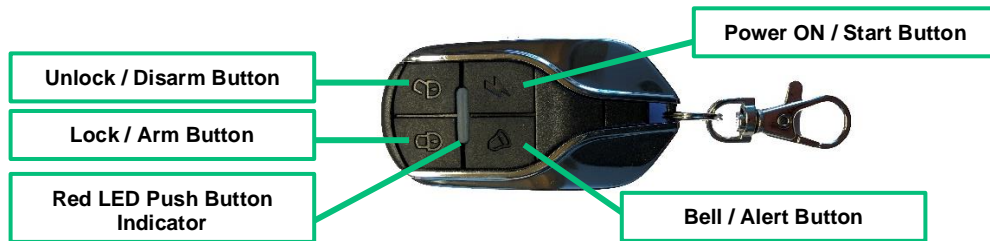


*Battery Cover Lock – Installed*

- **NOTE:** Lock key style may vary. Two different lock keys shown in the figures above for reference. If both Battery Cover Lock keys are lost, stolen, or damaged beyond use, a new Battery Cover Lock set (lock tumbler and keys) must be ordered so that it can be sent to the rightful ONYX Motorbike owner to replace the lost or damaged keys/lock.

## ANTI-THEFT ALARM FOB SETUP & USE INFORMATION

This section provides information related to the setup and programming of the anti-theft alarm function.



Item	Specification
<b>Lock / Arm Button</b> 	<ul style="list-style-type: none"> <li>• <b>Setting the Alarm:</b> With the Kill Switch OFF, short-press the <b>Lock/Arm</b> button <b>once</b> and the alarm will BEEP once.  <b>Result:</b> Motion/Vibration sensor will be active and motor signal will be locked.  <b># of Alarm Beeps:</b> 1 (BEEP)</li> <li>• <b>Smart Alarm Operation – Warning:</b> With the alarm ARMED, the alarm will BEEP five (5) times if it detects a strong enough motion or vibration (one alarm beep to warn those nearby that the alarm is active. Motion/Vibration sensor will still be active and motor signal will be locked.  <b># of Alarm Beeps:</b> 5 (BEEP, BEEP, BEEP, BEEP, BEEP)</li> <li>• <b>Smart Alarm Operation – Full Alarm Siren:</b> With the alarm ARMED, the alarm will go into FULL ALARM SIREN for 15 seconds if it detects a strong enough motion or vibration again within 15 seconds of the warning. Motor signal will be locked.  <b># of Alarm Beeps:</b> ALARM SIREN (15 seconds)</li> </ul>
<b>Unlock / Disarm Button</b> 	<ul style="list-style-type: none"> <li>• <b>Disarming the Alarm:</b> With the Kill Switch OFF, short-press the <b>Unlock/Disarm</b> button <b>once</b> and the alarm will BEEP once.  <b>Result:</b> Motion/Vibration sensor will be deactivated and motor signal will be unlocked.  <b># of Alarm Beeps:</b> 1 (BEEP)</li> <li>• <b>Carjack Mode – Disabling the Bike:</b> With the bike powered ON, short-press the <b>Unlock/Disarm</b> button <b>once</b> and the alarm will BEEP twice.  <b>Result:</b> Bike will power OFF and motor signal will be locked. Short-press Power ON/Start button twice to enable the bike again.  <b># of Alarm Beeps:</b> 2 (BEEP, BEEP)</li> </ul>
<b>Bell / Alert Button</b> 	<p><b>Locating the Bike:</b> With the Kill Switch OFF, short-press the <b>Bell/Alert</b> button <b>once</b> and the alarm will BEEP five (5) times to indicate where it is.  <b>Result:</b> Bike can be turned on with the Kill Switch and ridden.  <b># of Alarm Beeps:</b> 5 (BEEP, BEEP, BEEP, BEEP, BEEP)</p>
<b>Power ON / Start Button</b> 	<p><b>Starting the Bike:</b> With the Kill Switch OFF, short-press the <b>Power ON/Start</b> button <b>twice</b> within two (2) seconds and the alarm will BEEP once.  <b>Result:</b> Bike can be turned on with the Kill Switch and ridden.  <b># of Alarm Beeps:</b> 1 (BEEP)</p>
<b>Red Push Button Indicator LED</b>	<p>Illuminates when any of the four (4) buttons are pressed.</p>

**NOTE:** See below for additional button procedure steps and functions.



## ALARM FOB BATTERY REPLACEMENT INFORMATION

This section provides information related to the replacement of the alarm fob's CR2032 battery.

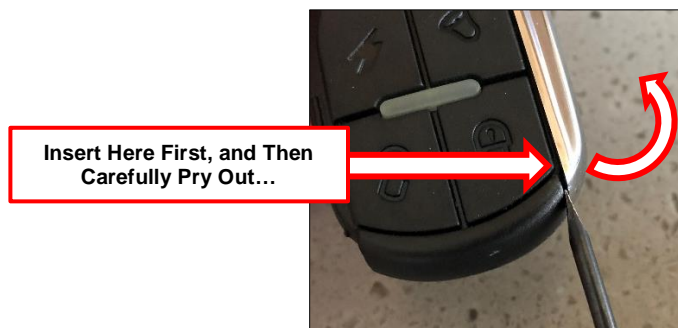
**NOTE:** If both of the alarm fobs are lost, damaged, or stolen, a new alarm set (alarm unit and matched fobs) must be ordered and sent to the rightful ONYX Motorbike owner. Please understand that ONYX Motorbikes will ask for a receipt of purchase before sending a new lock and key set. Once the purchase and owner have been verified, a new lock and key set will be sent.

### Tools Required

- |                                    |                  |
|------------------------------------|------------------|
| • Small Fine Flat Head Screwdriver | • CR2032 Battery |
|------------------------------------|------------------|

1. Using a fine tip flat head screwdriver, starting from the top of the remote, CAREFULLY pry and pop off one of the two chrome sides. There is a tab on the end opposite of the key ring loop that needs to be released first

**NOTE:** If installed, a key ring can remain in place while performing this procedure in order to change out the battery.



2. Repeat for other chrome side.
3. With the chrome sides off, starting from the bottom end, carefully insert the flat screwdriver into the end opposite the key ring loop to release the tab, and then work your way around the outside in order to release and open the clam shell.



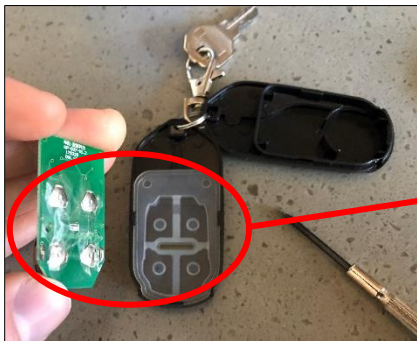
Release Tab...

- Note the orientation of the + side of the battery, and remove the old battery from the battery holder.



**Note “+” Orientation...**

- Insert the new CR2032 battery in the battery holder in the proper orientation.
- If removed, align and insert the battery holder so that the silver buttons on the PCB line up with the button pad membrane on the case.



**Align and Insert...**

- Carefully align the top and bottom of the fob clamshell, and press together until the end tab clicks and the entire fob is secure.
- Install a chrome side so that the end tab engages first, and then press the rest of the chrome side until it clicks on to the fob clamshell body.



**Insert Here First, and Then Carefully Press the Rest Together...**

- Repeat the installation process for the other chrome side.
- Test the alarm fob buttons on your charged ONYX bike to make sure that they are functioning properly.

## ANTI-THEFT ALARM SOUND REDUCTION INFORMATION

This section provides information related to reducing the 120 dB sound level on the anti-theft alarm employed on ONYX Motorbikes.



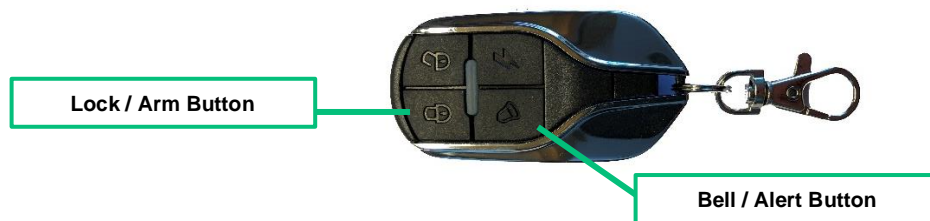
**CAUTION**

Do NOT attempt to disconnect or bypass the alarm unit in any way. Disabling or bypassing the alarm can cause damage to the bike electronics and lead to dangerous conditions for the rider.

The alarm chosen emits the alarm warning and alert chirps at a loud and attention-grabbing 120 dB. It is LOUD for good reason... However, if the emitted alarm sound needs to be reduced for some reason, there are two ways that this can be done:




- **Mute the Alarm**  
Silence/Mute the alarm unit using the Alarm remote control transmitter fob. Please note that this is NOT a permanent setting and must be done each time the bike is locked and alarmed if necessary. See the SILENCING THE AUDIBLE ALARM USING THE ALARM REMOTE FOB section below.
- **Muffle the Alarm Sound Output**  
Install Foam and/or Tape on the alarm unit speaker to muffle and deaden the sound emitted from the Alarm Unit. See the INSTALLING A MUFLER ON THE ANTI-THEFT ALARM UNIT SPEAKER section below.

## SILENCING THE AUDIBLE ALARM USING THE ALARM REMOTE FOB



Use the following steps to temporarily silence (mute) the audible alarm:

**NOTE:** The audible alarm will only be muted during the current set/locked alarm event. It is not a permanent silencing of the alarm.

1. If necessary, press the Kill Switch button on the right side control to the OFF (out) position to turn the bike OFF.
2. Lock and arm the bike by pressing the  Lock/Arm button one (1) time on the alarm fob.
3. Lock and arm the bike by pressing the  Lock/Arm button one (1) time on the alarm fob, and then press the  Bell/Alert button once **within two (2) seconds** to mute the alarm. The alarm will do a short alarm BEEP, which indicates that the motor signal is locked but will not have an audible alarm if motion/vibration is detected.

## INSTALLING A MUFFLER ON THE ANTI-THEFT ALARM UNIT SPEAKER

This section provides information related to reducing the 120 dB sound level on the anti-theft alarm employed on ONYX Motorbikes.



### WARNING

The alarm unit is connected to HIGH VOLTAGE (RCR Model = 72VDC and CTY Model = 48VDC)! ALWAYS disconnect the battery when working with the alarm unit.



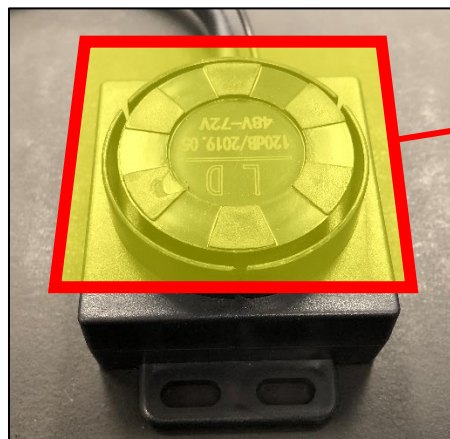
### CAUTION

If you are not confident in your ability to successfully and safely perform maintenance or repair tasks, we recommend having the work performed by a local, certified, and reputable bike mechanic. Contact ONYX Motorbikes for assistance with finding a suitable service shop near you.


### Tools Required

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• 4mm Hex Key</li> </ul> | <ul style="list-style-type: none"> <li>• Foam Wrap + Tape (if needed)</li> </ul> |
|---|--|

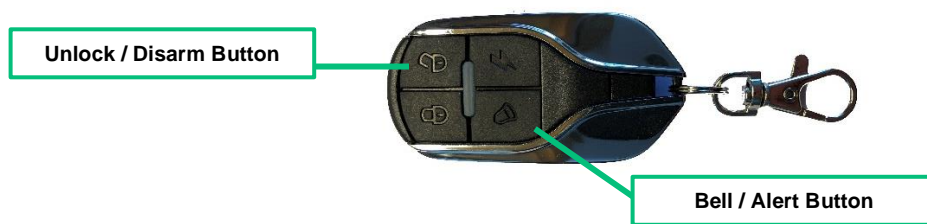
1. Turn bike power OFF by pressing the Kill Switch button on the right side control to the OFF (out) position.
2. Unlock and carefully remove the battery cover to access the battery cable.
3. Carefully disconnect the red battery cable connector.
4. Remove the Left Side Body Panel to access the alarm unit by loosening and removing the Hex Key Flat Head Cap Screws using a suitable 4mm hex key.
5. Find and carefully pull the alarm unit out enough to wrap muffler material around alarm unit speaker as shown in the diagram below.
6. Carefully wrap and secure foam and tape or other kind of sound deadening material on and around the round alarm speaker.





Wrap, Cover, or Block Alarm Speaker

7. Carefully place and secure the alarm unit in the electrical compartment of the bike by pressing to the bottom of the speed controller.
8. Carefully check to make sure that all wire connectors are securely fastened and tuck the wires back into the electrical compartment so that they will not get caught or pinched in any panels or other bike parts.
9. Replace the Left Side Body Panel, and secure with the M5 Hex Key Flat Head Cap Screws. Do not overtighten.
10. Connect the battery cable. Carefully tuck the battery cables into the battery area so that they will not get caught or pinched in any panels or other bike parts.
11. Install and lock the battery cover.
12. Turn the bike power ON by pressing the  Power button two (2) times on the alarm fob.





## CHANGING THE ALARM UNIT MOTION/VIBRATION SENSITIVITY SETTING



Use the following steps to set the motion/vibration sensitivity for the alarm unit:

1. If necessary, press the Kill Switch button on the right side control to the OFF (out) position to turn the bike OFF.
2. If necessary, unlock the bike by pressing the  Unlock/Disarm button one (1) time on the alarm fob.
3. Press **and hold** the  Bell/Alert button until after the five (5) bike locating alarm beeps sound, but continue to hold until the first alarm beep **AFTER** the five (5) alarm beeps. After the 5 bike locating alarm beeps, the alarm will indicate the current alarm motion/vibration sensitivity setting according to the scheme below:
  - **1 BEEP = Sensitivity Setting #1:** Most sensitive to motion and vibrations.
  - **2 BEEPS = Sensitivity Setting #2:** Medium sensitivity to motion and vibrations.
  - **3 BEEPS = Sensitivity Setting #3:** Least sensitive to motion and vibrations.


For example, this sequence may go as follows:

- a. Press and hold the  Bell/Alert button...
- b. While still holding the  Bell/Alert button..., the alarm will BEEP five (5) times (BEEP, BEEP, BEEP, BEEP, BEEP).
- c. While still holding the  Bell/Alert button..., one-two (1-2) second pause.
- d. While still holding the  Bell/Alert button..., the sensitivity setting is indicated (e.g., BEEP, BEEP).





# SERVICE NOTES

- e. Release the  Bell/Alert button. In this example, the sensitivity setting would be #2.

Try different settings based on your particular location and needs. For example, if you store your bike on a thin floor near traffic, trains, or other things that shake the ground, you may want to try a lower sensitivity setting such as "2" or "3."

4. Repeat step 3 to step to and change to the next sensitivity setting change.

For example, if the sensitivity was set to Sensitivity #1, it will change to and be set on Sensitivity #2 the next time step 3 is performed.

## WOOD BATTERY COVER LOCK KEY INFORMATION

This section provides information related to the Battery Cover lock used on ONYX Motorbikes.



CAUTION

If you are not confident in your ability to successfully and safely perform maintenance or repair tasks, we recommend having the work performed by a local, certified, and reputable bike mechanic. Contact ONYX Motorbikes for assistance with finding a suitable service shop near you.

### Wood Battery Cover Lock Key Information

- The lock tumbler and key set is unique and cannot be recreated. If both Battery Cover Lock keys are lost, stolen, or damaged beyond use, a new Battery Cover Lock set (lock tumbler and keys) must be ordered so that it can be sent to the rightful ONYX Motorbike owner to replace the lost or damaged keys/lock. Contact ONYX Motorbikes to order a new Battery Cover Lock and Keys set.

**NOTE:** Please understand that ONYX Motorbikes will ask for a receipt of purchase before sending a new lock and key set. Once the purchase and owner have been verified, a new lock and key set will be sent.