



PSB6

Waterproof Bluetooth soundbar

User Manual

INTRODUCTION

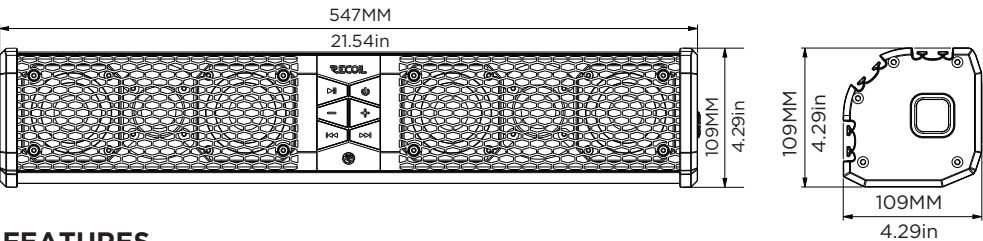
Thank you for purchasing a Recoil SoundBar for your audio system.

Recoil PSB6 SoundBar has been designed and engineered to the highest quality standards in the industry to create the ultimate listening experience in your vehicle. For optimal performance of this product, it is highly recommended that you have your new PSB6 SoundBar installed by a 12V professional. They have the necessary experience and installation equipment to ensure that your PSB6 SoundBar will deliver maximum performance.

If you decide to install the PSB6 SoundBar yourself, please thoroughly read through this manual before getting started. This manual will help familiarize yourself with the PSB6 SoundBar and guide you through the installation process and procedures.

Please contact Recoil directly if you have any questions regarding the instructions in this manual. Please contact us at support@Recoilaudio.com. Thank you!

DIMENSIONS



FEATURES

- | MODEL | TYPE | POWER HANDLING |
|-------|-------------------------------|---------------------|
| PSB6 | 6 - Speakers 21 Inch Soundbar | RMS 200 Watts Power |
- Four 3" full range speakers, 2 Titanium tweeters
 - IP5X All weather construction for any environment
 - Built-In Bluetooth Receiver
 - AUX Input for connecting other devices for signal input (Phones, MP3 Players, Tablets, etc)
 - AUX output to connect an external amplifier, 2nd soundbar, or powered subwoofer.

HARDWARE BY INSTALLATION METHOD

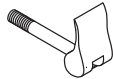
INSTALL METHOD ONE ROLL BAR - PARTS LIST

Part #1  "SMART HANDLE"	Part #2  BASE MOUNT	Part #3  M6 SPRING WASHER	Part #4  CLAMP
Part #5  M8 WASHER	Part #6  M8 NUT	Part #7  M6 x 12mm SCREW	

INSTALL METHOD TWO ROOF MOUNT - PARTS LIST

Part #1  M8 x 40 SCREW	Part #2  SIDEMOUNT	Part #3  SURFACE MOUNT	Part #4  M8 WASHER
Part #5  M8 NUT	Part #6  M4 WASHER	Part #7  M5 WASHER	Part #8  M4 SPRING WASHER
Part #9  M5 SPRING WASHER	Part #10  M4 x 8 SCREW	Part #11  M5 x 14 SCREW	

INSTALL METHOD TWO BAR MOUNT - PARTS LIST

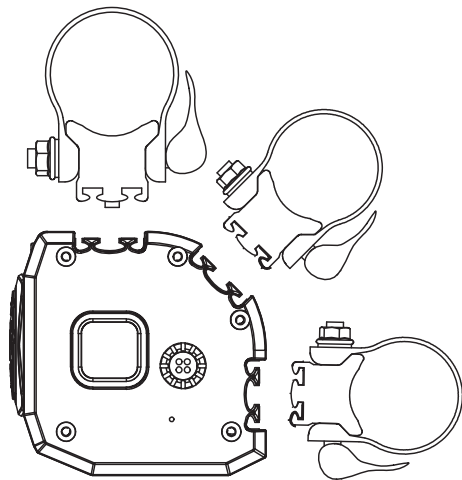
Part #1  “SMART HANDLE”	Part #2  SIDEMOUNT	Part #3  SURFACE MOUNT	Part #4  M8 WASHER
Part #5  M8 NUT	Part #6  M4 WASHER	Part #7  M5 WASHER	Part #8  M4 SPRING WASHER
Part #9  M5 SPRING WASHER	Part #10  M4 x 8 SCREW	Part #11  M5 x 14 SCREW	

INSTALL METHOD THREE GOLF CART MOUNT -PARTS LIST

Part #1  FLATMOUNT	Part #2  M4 x 10 SCREW	Part #3  M10 WASHER	Part #4  M10 NUT
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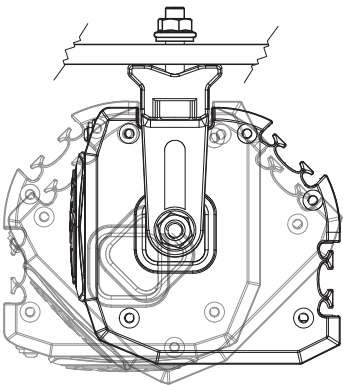
HARDWARE AND MOUNTING

0°/45°/90°



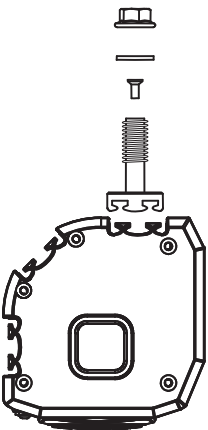
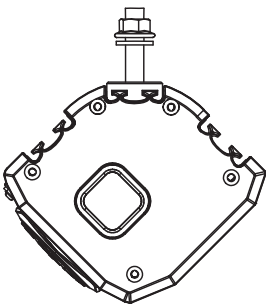
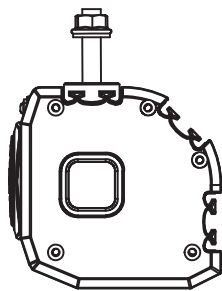
ROLL BAR MOUNT

180°



ROOF MOUNT

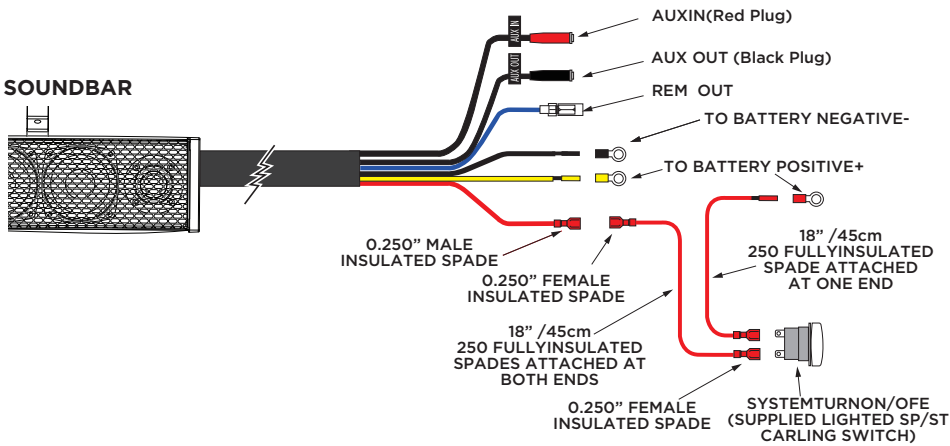
0°/45°/90°



GOLF CART MOUNT

WIRING

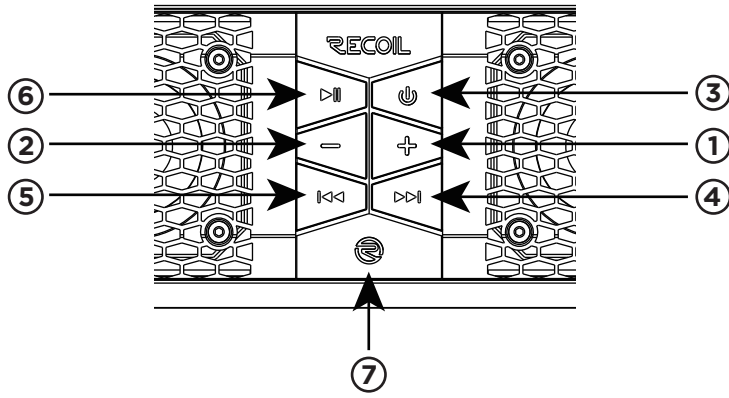
- 1. If installing on an ALL electric vehicle, switch it into TOW mode. Carefully remove the Positive (+) then Negative) battery wires.
- 2. If installing in a gas vehicle, wire the Negative (Black) wire to the Negative (-) battery terminal first and then the Positive (Red) wire to the Positive (+) battery terminal.



- 3. Route the RED Aux In & Aux Out cabl to your desired location. The Aux In is for a music source that does not have Bluetooth capability. The Aux Out is to connect to an optional Recoil amplifier, Recoil sound bar or Recoil amplified subwoofer.
- 4. Tie up all excess wires and reinstall Positive (+), then Negative (-) Battery wires. If installing on an electric vehicle, switch it back into RUN mode.

Note: DC-DC Converter is required on electric vehicles to avoid damage to the accessory and the vehicle

FUNCTIONS



- ① Volume Up - Turns the Volume UP
- ② Volume Down - Turns the Volume DOWN
- ③ Press and Hold For 3-5 Seconds to turn the unit on or off
- ④ Song choice
 - Select NEXT song FORWARD
- ⑤ Song choice
 - Select NEXT song BACKWARD
- ⑥ Play / Pause button
 - Play songs/suspend the songs
- ⑦ Indicator Light
 - Blue - Bluetooth
 - Red - Aux

Note: BLE remains disabled under normal operation.

INSTALLATION

OVERVIEW OF SOUNDBAR AND THE 3 METHODS OF INSTALLATION

The Recoil PSB6 SoundBar can be used with any 12-volt system and can be mounted to a variety of ways and vehicle types using the included hardware.

The unit includes two low clearance brackets, Roll Bar Mounts, that fit 1.75" and 2" bars. The clamps can be used in three (3) ways - on the top of the soundbar channel (at a 0 degree angle), at the rear quarter (at a 45 degree angle) and at the back (at a 90 degree angle). This allows for many applications and can be adjusted to fit multiple types of bars including vertical, horizontal, or angled bars allowing for multiple mounting options.

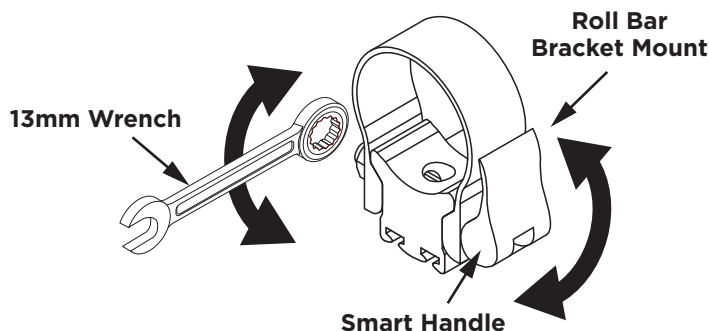
The Second method of installation is the Roof Mount. This mounts to the side and give you 360 degree of rotation to mount in a variety of vehicles that do NOT have a Roll Bar to attach to, or that the Pipe Clamp is too tall. The Roof Mount will mount to a small Roll Bar, or flat surface from underneath without a clamp assembly. Making it a much shallower mount.

Third method of installation is the Golf Cart mount. This is a simple low profile mount when there is small square roll bar to attach to or you need as shallow and simple a mount possible. A golf cart is a good example.

The Smart Handle

The smart handle is a first of its kind. We created the smart handle with the ease of use in mind. The main purpose of the smart handle is to allow super fast and easy installation of the PSB6 soundbar.

The smart handle will allow you to install the speaker without the need of using any tools. But, we do recommend to use a nut wrench to complete the installation of the Recoil SoundBar. As described later on pages 4 and 5 of this user manual, after closing the smart handle, a 13mm nut wrench will help you achieving a super strong grip of the mounting clamp to the bar. This is HIGHLY recommended for a secure mount.



INSTALLATION - METHOD ONE - ROLL BAR

Roll Cage/Bar fitment:

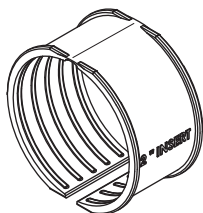
The Recoil PSB6 Soundbar comes with 4 pairs of rubber inserts and 2 Aluminum mounting CLAMPS. The mounting system of the PSB6 is built to fit 1.5", 1.75", 1.85" & 2" bars. Thus, the PSB6 Soundbar will fit most UTV's models, as well as Golf carts

NOTE: Before installing please measure your roll cage's Roll Bar diameter Rubber Inserts: Each rubber insert has its intended size written on it.

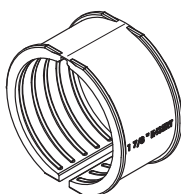
Aluminum CLAMP: The SoundBar has 2 Aluminum CLAMP in 2 different sizes.

SPECIAL NOTE: Smaller CLAMP should be used for 1.5" & 1.75" bars while the bigger one should be used for 1.85" & 2" bars.

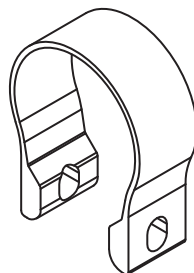
RUBBER INSERT 2.0"



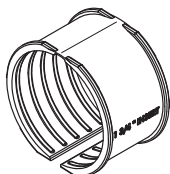
RUBBER INSERT 1.875"



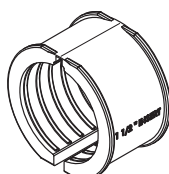
LARGER CLAMP



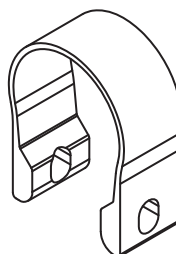
RUBBER INSERT 1.75"



RUBBER INSERT 1.5"



SMALLER CLAMP



First Mounting Possibility - METHOD 1 PIPE CLAMPS

Dissassembly the Pipe Clamps. Put all Metal Loop and locking hardware off to the side. perferredly in a bag or bowl so you dont loose the parts.

Take 14 mm bolt with lock washer and place it through bottom of clamp and slightly thread into "Dove" tailed "Slide" piece. You will need a 5mm Allen to accomplish this task.

Slide assembly and lock washer into the recessed "notched" area placing the unit at angle/mounting

INSTALLATION - METHOD ONE - ROLL BAR

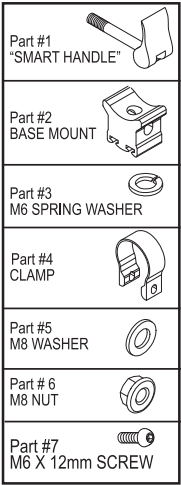
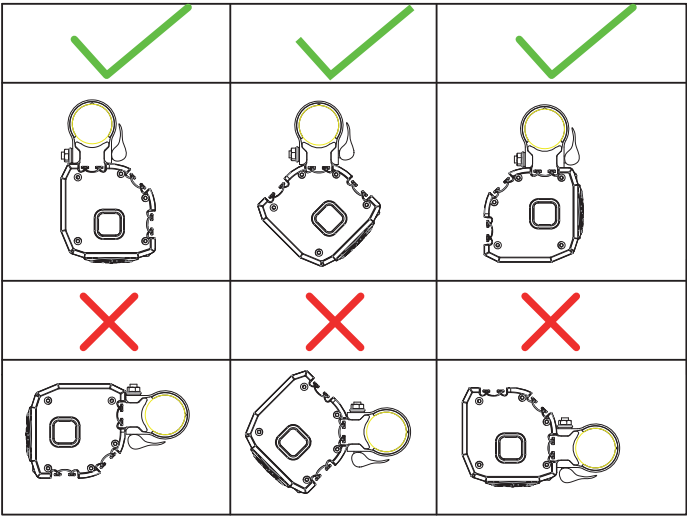
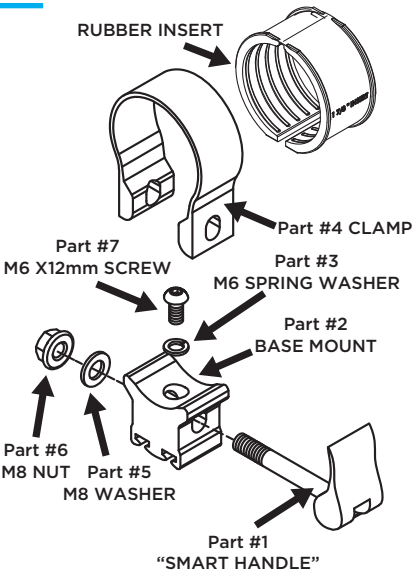
Roll Bar Mounts:

The roll bar mounting system with “Smart Handle” Is a 5 - Part setup - with 3 main parts

1st Part is the BASE MOUNT Which is an extruded chunk of aluminum,that slides into the “dove Tail ” mounting grooves on the PSB6 SoundBar. All the mounting happens here.

2nd Part is the CLAMP which slid onto the BASE MOUNT Part of that assembly is also the rubber inserts. These MUST be used for a solid mounting- ing! Remember that you must pick the correct rubber insert for a secure mount!

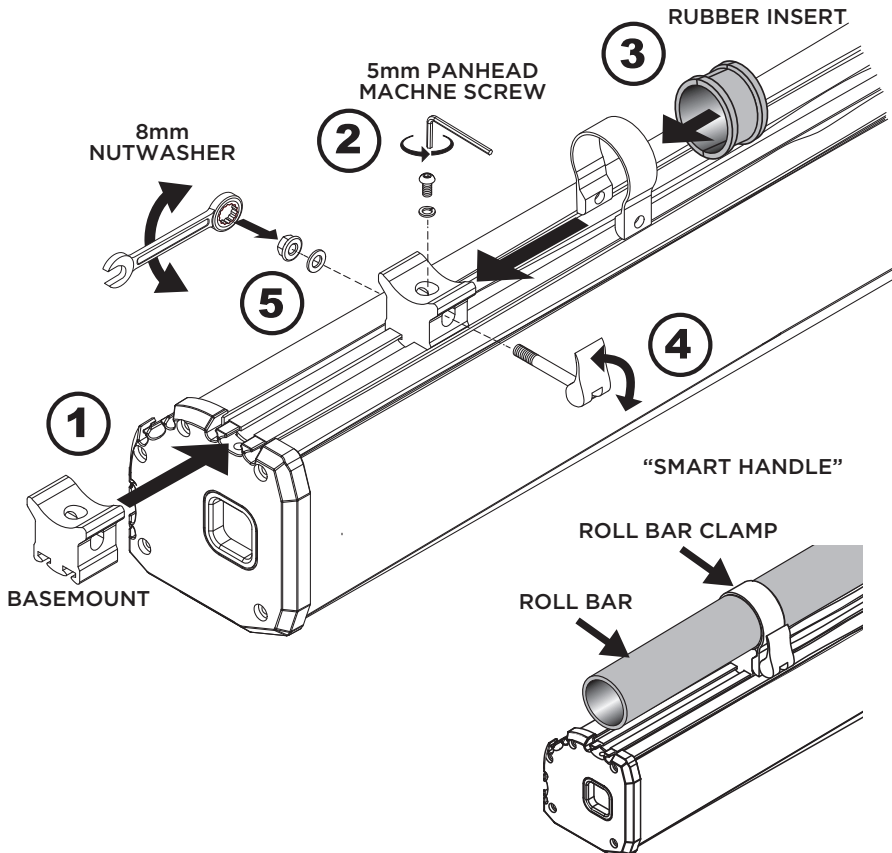
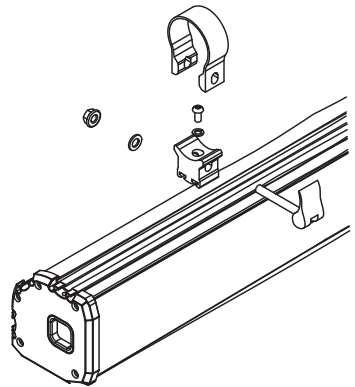
3rd Part is the “ Smart Handle ”.This LOCKS the whole 3 part system together.



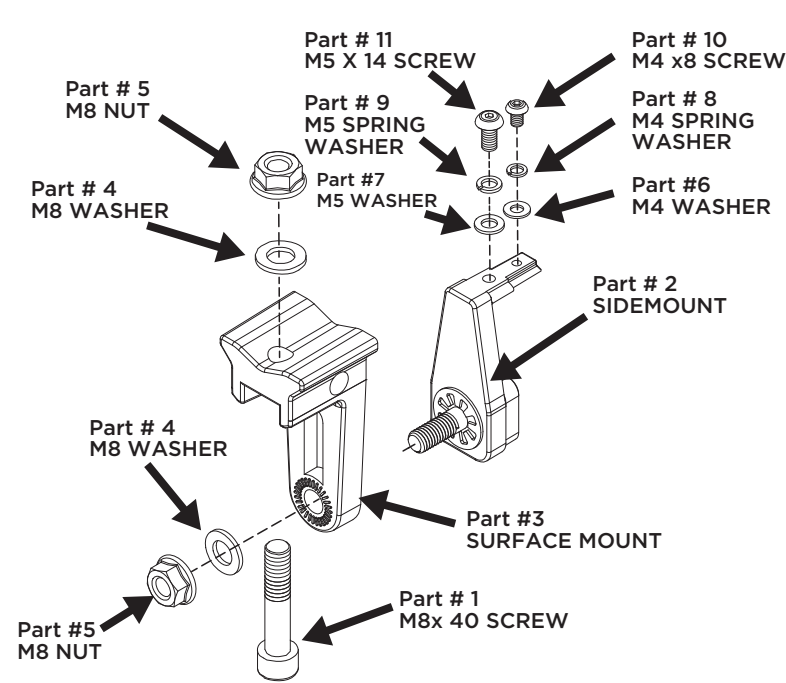
INSTALLATION - METHOD ONE - ROLL BAR

Disassemble the Roll Bar Mount and put all parts into a jar or a clear plastic bag - Lets start the 5 Part Setup

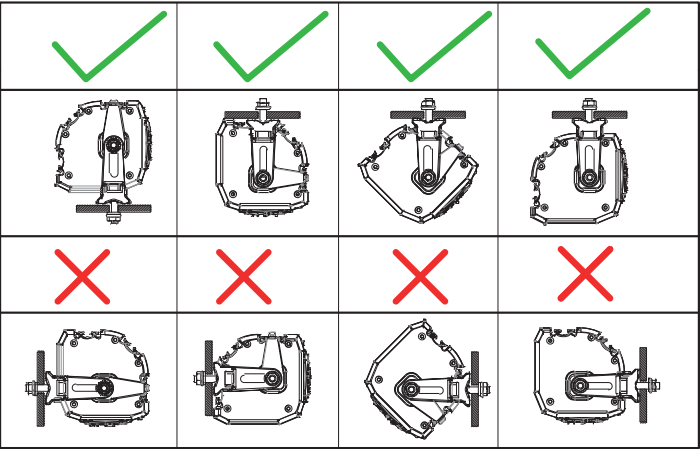
1. Take the BODY part as shown, slide it into the "dove tail" slots and into your desired mounting position.
2. Using the 5mm PanHead machine screw and washer, screw them down to lock the body onto soundbar.
3. Now slide the Aluminum Band as shown, into the body. Be careful to line up the Smart handle bolt holes on the Aluminum Band and the body.
4. Slide the Smart Handle with bolt thru the hole of the Aluminum Band and the Body as shown, into the body. Put the washer and 8mm nut on. Hand tighten.
5. Smart Handle should be down now and the assemble hand tightened with the 8mm nut.



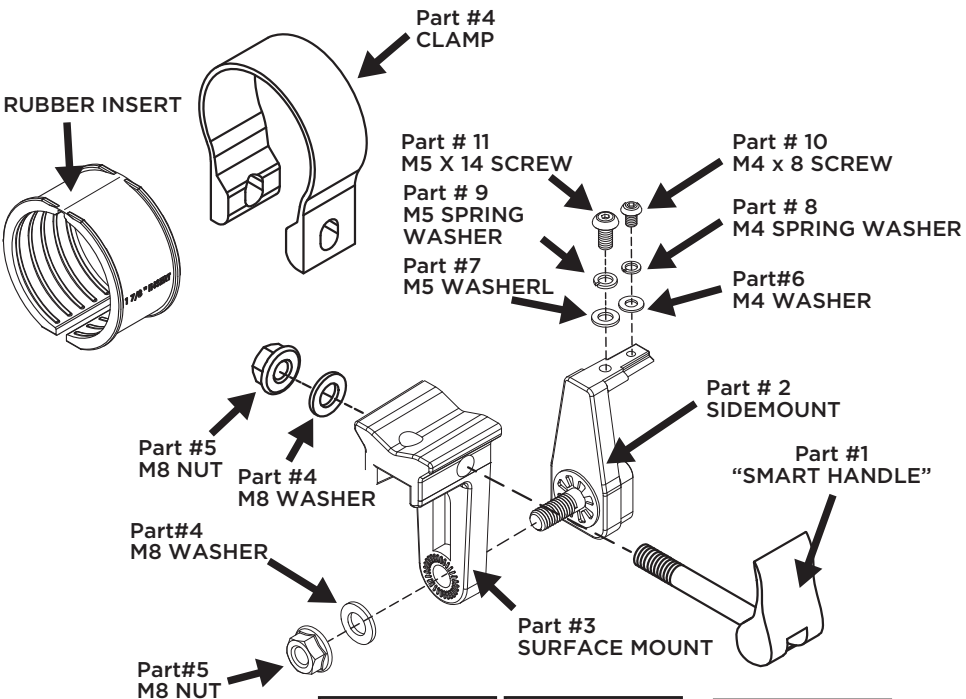
INSTALLATION - METHOD TWO - ROOF MOUNTII



Part # 1	
Part # 2	
Part # 3	
Part # 4	
Part # 5	
Part # 6	
Part # 7	
Part # 8	
Part # 9	
Part # 10	
Part # 11	



INSTALLATION METHOD TWO - BAR MOUNT



✓	✓	✓	✓
✗	✗	✗	✗

Part #4 M8 WASHER	
Part #5 M8 NUT	
Part #6 M4 WASHER	
Part #7 M5 WASHER	
Part #8 M4 SPRING WASHER	
Part #9 M5 SPRING WASHER	
Part #10 M4 x 8 SCREW	
Part #11 M5 x 14 SCREW	

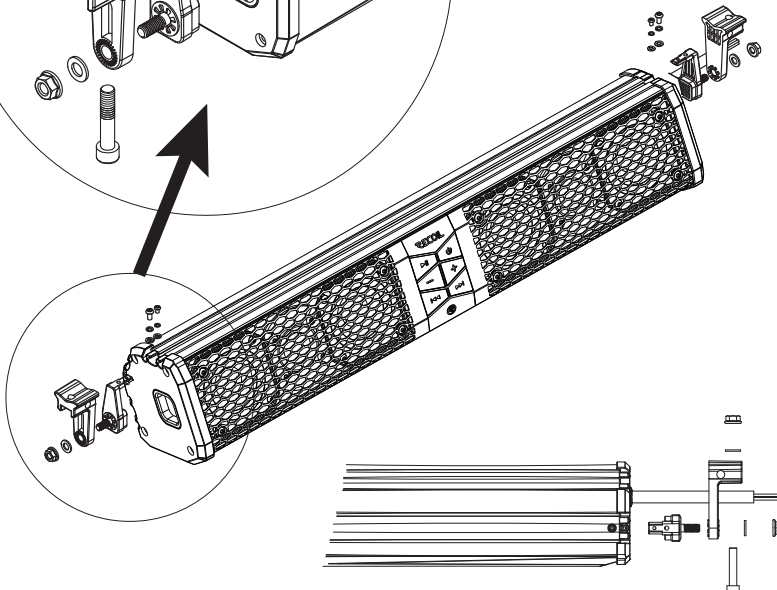
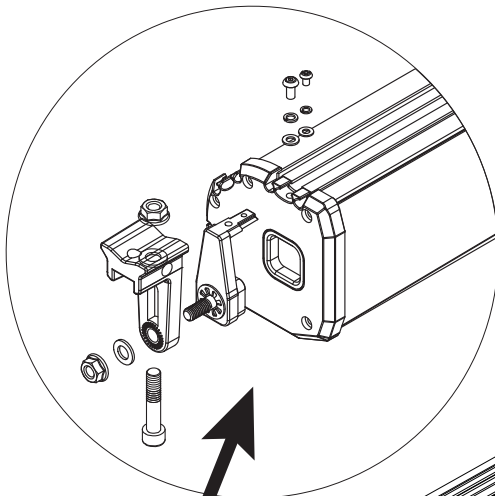
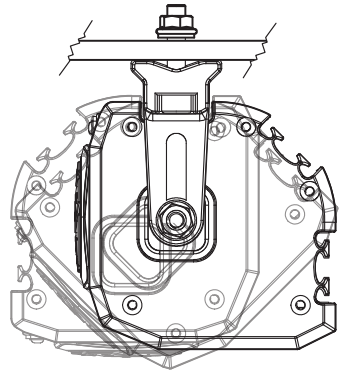
INSTALLATION - METHOD TWO - ROOF MOUNT

Take all the roof mount parts and put those into a jar or clear zip lock bag. Make sure ALL the parts are there as once you start you dont want to be looking for parts. Make your decision where you are going to mount the soundbar with the "Roof" Mount setup.

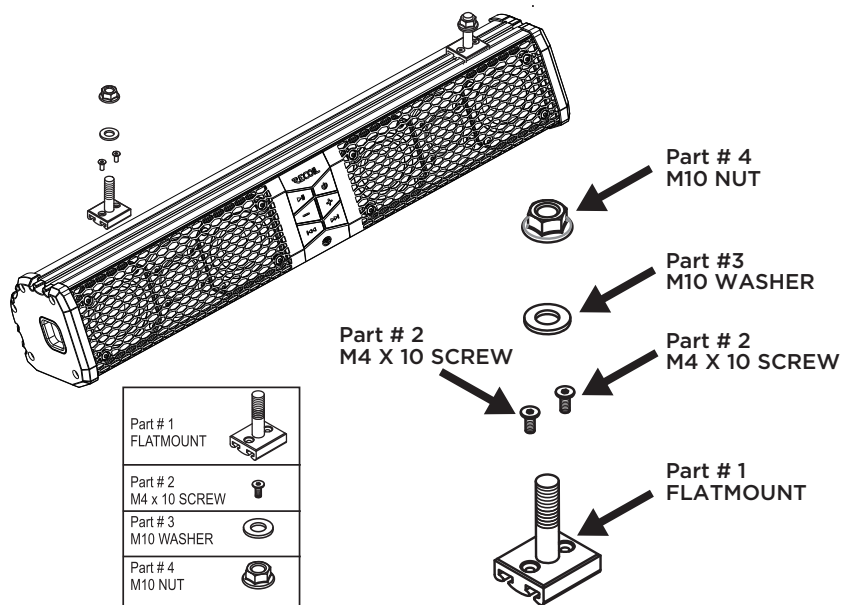
1. Loosely assemble the T part to the L part with the 13mm nut and washer. Hand tighten.

2. Slide the T assemble onto the soundbar. Using the 5mm Allen wrench provided tighten securely the 5mm Panhead machine bolts with washers to the soundbar.

3. Using the soundbar as the measurement device hold it up to the mounting location and using a sharpie mark the place to drill the 10mm holes



INSTALLATION METHOD THREE - GOLF CART



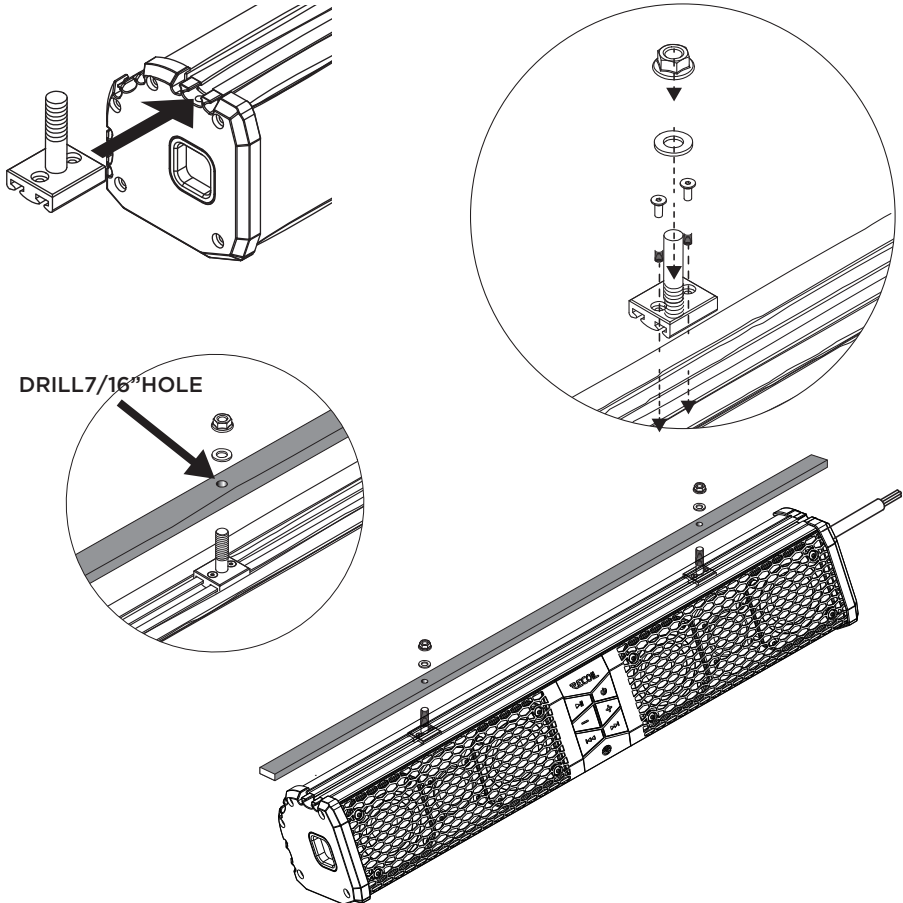
CORRECT AND INCORRECT MOUNTING OPTIONS

✓	✓	✓
✗	✗	✗

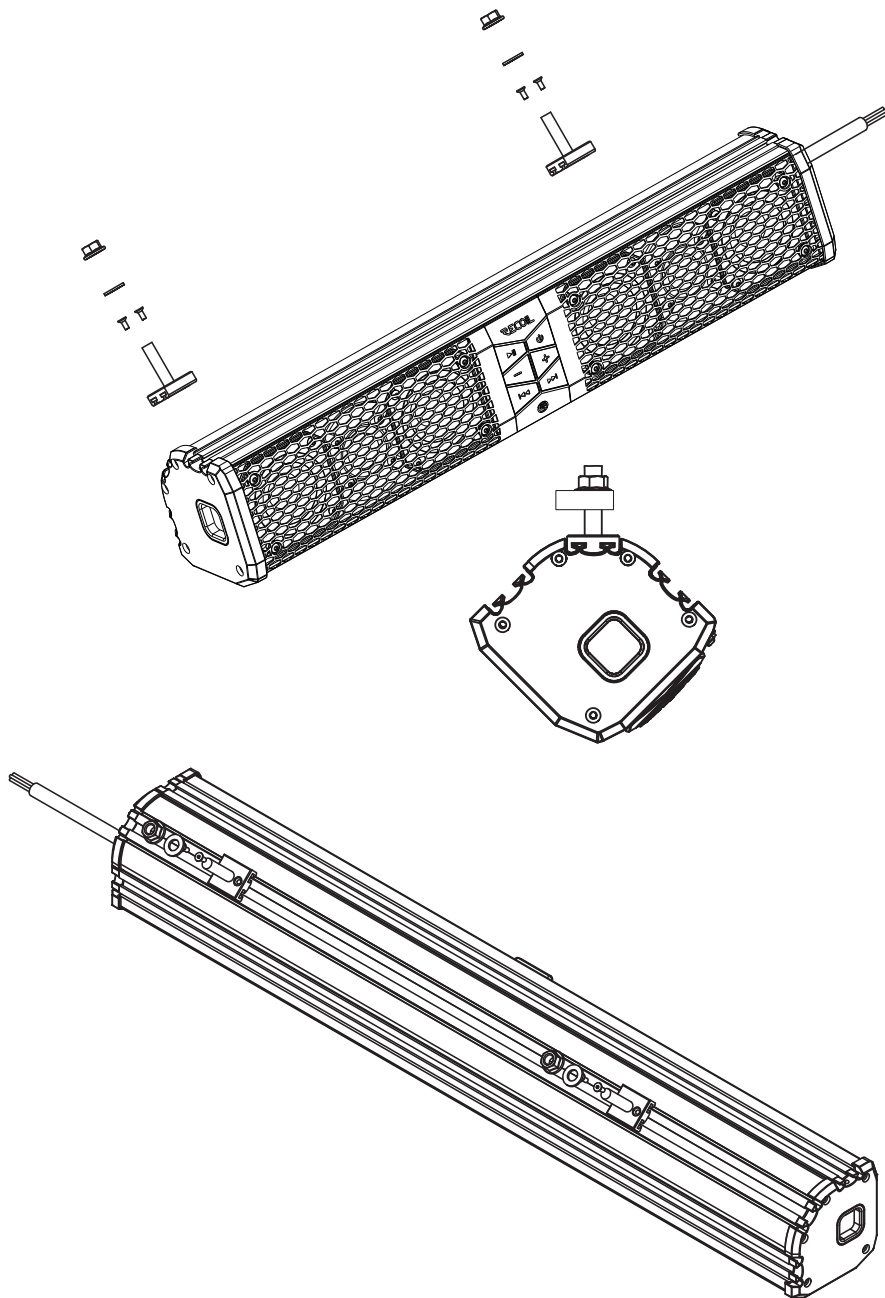
INSTALLATION - METHOD THREE - GOLF CART

Third Method - Mounting via Threaded Bolts (this would be for Golf Carts typically)

1. Included are two threaded bolts that fit into the "Slide"
2. Slide the dove tail aluminum part with bolts into the recessed "notched" area.
3. Spread the bolts as you slide them into the desired locations where the unit is to be tightened down.
4. Measure the dimension between the bolts. Use this as the mounting hole dimensions.
5. Drill 7/16" holes into the overhead tube cage to put the bolts thru.
6. Mount the soundbar with the bolt securely into the slide and press the bolts thru your drilled mounting holes.
7. Use included Steel washer, rubber washers and Stainless to secure into place as shown below.
8. Tighten M10 NUT so unit is secure. You may want to use "Loctite" to secure these nuts.
9. Connect wires to power, ground, and ignition.



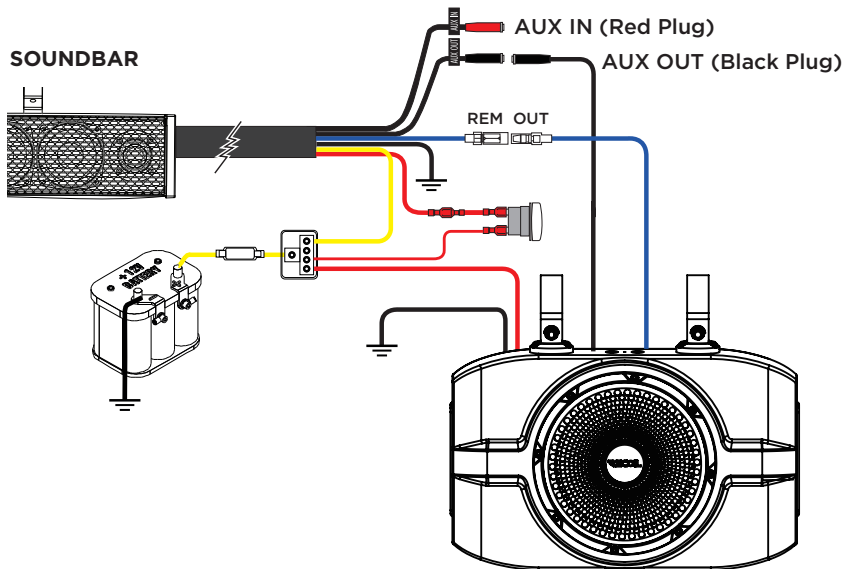
INSTALLATION - METHOD THREE - GOLF CART



INSTALLATION - SECOND WIRING OR SUBWOOFER

Using the auxiliary output (black connector).

1. Auxiliary out is a variable output that allows connection to a secondary audio device whether it is an external amplifier connected to speakers or subwoofer, OR a powered subwoofer (like a Recoil WAS8)
2. For the best audio performance, the second unit is connected via an auxiliary connector and this device should have the volume set to the max. As volume will now be controlled by the 1st Recoil Soundbar.
3. Power wiring of the secondary audio device is straight forward - connect power, ground and remote switched 12V output to the remote turn-on wire to the secondary audio device. When the Recoil is power on, so is the secondary audio device.



SETUP / OPERATION

Once the PSB6 soundbar is installed and properly wired, now its time to set it up and PLAY!

1. Press and HOLD the Power button to turn the unit on. (Power, Ground, and switched 12V + wire need to be connected to a 12V power source.)
2. Double Tap the Power button to switch modes between Bluetooth and AUX (3.5mm)
3. Hold the Power button for 2 seconds to turn the unit Off.
4. The included fuse loop, ring terminals, and butt connector allow for easy wire connection to a 12V power source - BATTERY

OPERATION

Follow these steps to use Bluetooth functionality with a Bluetooth enabled device:

1. Power the PSB6 "On" by long pressing the Power button.
2. Select Bluetooth by double tapping the Power button.

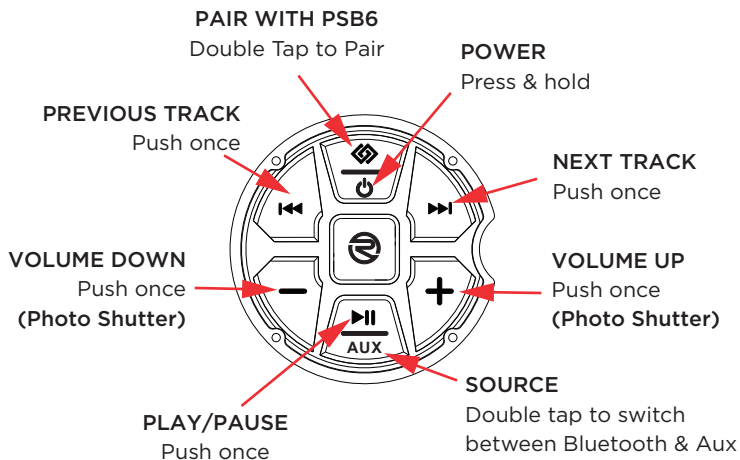
3. Select "PSB6" from the menu on your Bluetooth enabled device. The unit will power on in Bluetooth mode First when it is turned on by tapping. If the accessory wire is disconnected, (IE: vehicle is turned off and then turned on) the unit will revert back to the previous Bluetooth or AUX setting.)
4. Choose "Pair" when prompted.
5. Once "Paired" the unit will be able to play audio from your Bluetooth device. The front panel control buttons will control track forward/back and volume up/down in this mode. The Play/Pause button will mute the output.

ACCESSING AUXILIARY INPUT SIGNAL DEVICE

Follow these steps to utilize an Auxiliary input device:

1. Start by tapping the Power button once.
2. Select Auxiliary by tapping the Power button
3. Connect an audio device to the AUX input using the 'RED' 3.5mm input on the side of the unit. The LED will illuminate Yellow. The front panel control buttons will adjust the Volume up/down in this mode. The Play/Pause button will mute the audio output.

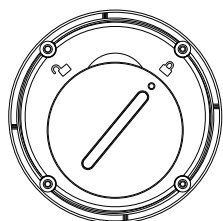
PSB6 WIRELESS REMOTE (OPTIONAL)



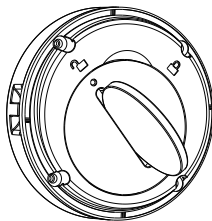
The wireless remote was paired with PSB6 in production. If your remote loses the connection with sound bar, just pair them as below. Please turn on PSB6 firstly, and double tap the pair button quickly within 5 seconds. The short pairing time is to prevent other remotes interference. If pairing was successful, you will see the blue LED flashes once on the remote. If the PSB6 was turned on over 5 seconds, and you can't pair the remote with it anymore. Please turn on the sound bar and try it again.

CHANGE BATTERY

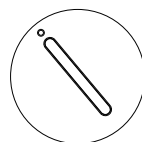
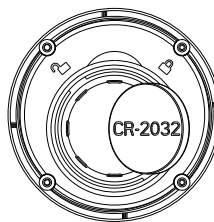
The cell battery for remote is designed to last for two years. If it runs out of power, remove the cover at the back. Use a sharp pin to pop it out, and put in a standard CR2032 battery.



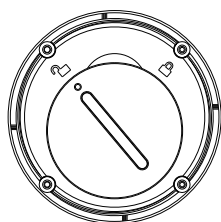
- ① When the groove is aligned to , it is locked.



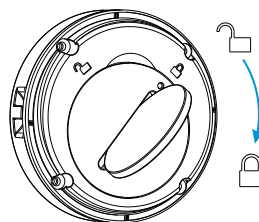
- ② Use a coin to open the battery compartment cover.



- ③ Use a sharp pin to pop out old cell battery, and replace it with a new one.



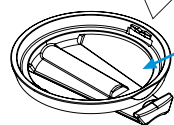
Put the cover back. Align the groove with icon .



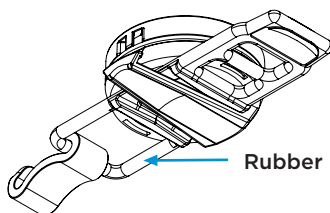
- ⑤ Use a coin to turn and lock the cover.

Installing the Rubber Band

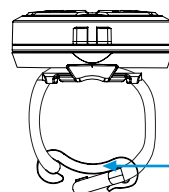
Snap the unit into the plastic adaptor. Using the included rubber band for steering wheel & bar mounting, hold the rubber against the steering wheel. Wrap it around, then hook it up.



Plastic Adaptor



Rubber Band



Hooks

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.