



Mobile Audio  
Fiberglass Specialists

## **xBv.2 Subwoofer Enclosure**



### **OWNER'S MANUAL & INSTALLATION GUIDE**

Congratulations on your purchase of an AudioFormz xB subwoofer enclosure. Your AudioFormz enclosure has been engineered to last for many years and comes with a 1-year limited warranty. It comes standard with a gray gelcoat finish that is ready for primer and paint or can easily be carpeted. If you decide to paint this enclosure, please thoroughly read the painting instructions, included with the enclosure. Sanding will be required and a primer is recommended for the best possible finish. AudioFormz enclosures are manufactured from solid fiberglass. Therefore, to properly install your AudioFormz enclosure and speakers, please completely read the owner's manual and installation instructions prior to installation.

### ***xB ENCLOSURE SPECIFICATIONS***

| <b>Enclosure Type</b>  | <b>Air Space</b>    | <b>Enclosure Depth</b> | <b>Enclosure Subwoofer Cutout</b> |
|--|---------------------|------------------------|-----------------------------------|
| Single 10" Sealed  | .75 ft <sup>3</sup> | 6 1/4" - 6 1/2"        | 9.125" Cutout                     |
| <b>NOTE:</b> This enclosure can fit oversized 10" subs up to a maximum 10 3/4" diameter and 6 1/2" mounting depth. Enclosure air space and depth may vary slightly due to manufacturing tolerances of enclosure thickness. |                     |                        |                                   |

#### **Parts supplied by AudioFormz:**

- Nine #8 self-tapping screws w/ drill bit
- Nine #8-32 black machine screws w/ drill bit
- Nine #8-32 propell nuts
- Subwoofer sealing tape or caulk
- Speaker terminal w/ premium speaker cable
- Four clear rubber feet
- Two female slide terminals
- Two rubber washers
- Polyfill

#### **Tools Recommended for Installation:**

- An electric or cordless drill
- Phillips screwdriver bit (#2)
- Phillips hand screwdriver (#2)

Two different methods can be used to mount a subwoofer in this enclosure. The first technique uses self-tapping screws to mount the subwoofer. This method is quick and easy. However, if the subwoofer is removed repeatedly from the enclosure, the mounting holes may become stripped, and it will be difficult to create an airtight seal with the subwoofer. The second mounting technique uses machine screws with propell nuts. This method takes more time to install a subwoofer but has more advantages than using self-tapping screws. This method can handle more torque and therefore create a tighter seal. Also, the subwoofer can quickly and easily be removed and installed without damaging the mounting holes.

**NOTE: Some subwoofers may require that some of the propell nuts be modified in order for the subwoofer to fit in the mounting hole. Also, depending on the mounting position of the subwoofer, one of the propell nuts may need to be modified in order to fit along the side of the enclosure. Modifying propell nuts can be done with a pair of tin snip pliers, heavy duty wire cutters, or with a grinder.**

## Unpacking Enclosure

1. Remove enclosure from carton.
2. Remove bubble wrap from enclosure.
3. Remove all hardware and accessories from inside the enclosure. and check that no hardware is missing.

**NOTE: Inspect enclosure for damage prior to installation. Also, check fit prior to painting and installation. Once the enclosure is modified, it cannot be returned.**

## Locating Subwoofer Mounting Holes

1. Carefully place subwoofer in enclosure. If the subwoofer is too large, the mounting hole may need to be enlarged. Read the section on enlarging the subwoofer mounting hole.
2. Align subwoofer in the center of the cutout.
2. Once subwoofer is aligned correctly, use a fine marker and mark the center of each mounting hole. Pay close attention to keep the subwoofer still until the last hole is marked.
4. Remove subwoofer after all holes are properly marked.

## Drilling Mounting Holes

1. Depending on which mounting method is chosen, a different size drill bit will be required. Use the supplied drill bit that came with the mounting method chosen. Do not use another drill bit with either mounting method.
2. After choosing the mounting method, attach the appropriate size drill bit to a drill. With the drill and drill bit perpendicular to the enclosure, slowly drill the mounting holes at each marked location. Pay close attention to keep the drill bit at the center of each mounting hole when drilling. Do not enlarge the mounting holes with the drill bit.
3. Clean out debris from inside the enclosure.

**TIP: If you feel comfortable, you may find it easier to use the subwoofer as a template to drill the mounting holes. Keep in mind that you create a chance to damage the subwoofer with the drill so be very careful.**

## Mounting Enclosure in a Vehicle

1. Remove factory panel and disassemble the locking knobs. You will use these knobs and hardware with your enclosure.
2. Place enclosure in vehicle and check fit.
3. If necessary, apply the supplied rubber feet to bottom of enclosure to level the enclosure with the factory panel on the driver's side. This will also help to isolate the bottom of the enclosure from the bottom of the vehicle and reduce any unwanted resonances.
4. Attach the factory locking knobs to enclosure in the reverse manner as they were disassembled, except insert the supplied rubber washers underneath the enclosure during the process. The rubber washer should contact the backside of the enclosure. This will keep the knobs from rattling. Do not over-tighten the knobs as they may not turn to lock the enclosure into place.
5. The factory locking knobs will help hold the enclosure in place. However, we recommend using an additional mounting method such as Velcro or large mounting screws to permanently mount the enclosure. This will help keep the enclosure from becoming a projectile during a collision and keep the enclosure secure under normal driving conditions.
6. Place enclosure in vehicle and attach speaker cable from the amplifier to the enclosure.

**NOTE: Pay close attention to avoid any vital parts of the vehicle, such as gas lines when drilling into the vehicle.**

## Applying Sealing Caulk

1. Firmly apply the sealing caulk to the inside of the subwoofer frame or inside the speaker cutout of the enclosure. When the subwoofer is placed in the speaker cutout, the caulk will help form an airtight seam and also act as a sound barrier between the subwoofer's steel frame and the enclosure. We do not recommend applying the sealing caulk to the flange of the subwoofer.

## Connecting Subwoofer to Enclosure

1. Connect the supplied speaker cable to the enclosure's speaker terminal.
2. Position subwoofer near enclosure and attach the speaker cable to the subwoofer. The positive (+) cable attaches to the red terminal (+) and the negative (-) cable attaches to the black terminal (-) of the subwoofer.

## Mounting Subwoofer into Enclosure

1. Determine which mounting method you would like to use. Please read the section above on the advantages of each mounting method.
2. If using propell nuts to mount subwoofer in enclosure, firmly insert the propell nuts into the back of each pre-drilled mounting hole. It is very important that the propell nuts are inserted firmly into the mounting holes because if just one propell nut falls out of the mounting hole during installation of the subwoofer, the subwoofer will need to be removed to reinsert the propell nut. Pliers with a rubber boot on the ends works great to insert the propell nut securely into the mounting hole.
3. Insert the supplied poly-fill into the enclosure. Position the poly-fill around the sides of the enclosure
4. Place the subwoofer into the enclosure and align subwoofer with mounting holes.
5. Using the supplied machine screws with a drill and #2 Phillips screwdriver bit or #2 Phillips screwdriver, slowly insert the machine screws into the pre-drilled mounting holes and propell nuts and tighten. Do not tighten completely until all mounting screws are inserted into the enclosure. Hand tighten all mounting screws.
6. If using self-tapping screws, slowly insert the screws using a drill and a #2 Phillips screwdriver bit or a #2 Phillips screwdriver. Do not tighten completely until all mounting screws are inserted into the enclosure.

**NOTE: Do not over-tighten the screws as this can crack the gelcoat finish. Hand tighten all mounting screws with a #2 screwdriver.**

## Final Assembly

1. Power up the enclosure and check for air leaks.
2. That's it! Listen and enjoy. And don't forget to....**SHOW IT OFF!**

## Enlarging the Subwoofer Mounting Hole

Enlarging the subwoofer mounting hole of an AudioFormz enclosure is done in much the same way as any ordinary wood enclosure. We highly recommend using a drill with a 1-2" diameter sanding drum with a medium grit sanding sleeve. This method will quickly enlarge the mounting hole so be careful not to enlarge the hole too much. Firmly hold the drill and sanding drum perpendicular to the mounting hole. With the drill at a medium speed, quickly move the drill and sanding drum clockwise around the mounting hole until the mounting hole is enlarged to your speaker's specification.

**TIP: Always keep the drill moving during this process and go at a fairly fast pace. Moving at a slow pace or stopping while the drill is sanding can create indentations in the mounting hole and possibly damage the opening.**

## Maintaining the Gelcoat Finish

To further enhance and protect the gelcoat finish, we recommend periodically waxing or polishing AudioFormz fiberglass products with a high-quality automotive wax or polish. To remove fine scratches in the gelcoat, a high-quality mild polishing compound should be used. If scratches still remain, a heavy-duty compound should be used, followed by a polishing compound. Applying wax or polishing compounds with an electric buffer or polisher will further help to remove scratches.

## Painting an AudioFormz Enclosure

We highly recommend that you have your AudioFormz product painted by an automotive paint and body professional. Furthermore, we recommend that a primer is applied to the gelcoat finish prior to painting in order to achieve the best possible finish. However, the gelcoat finish can be painted directly with very good results if done correctly. To prep the gelcoat for primer or paint, carefully and evenly sand the gelcoat with 320 and 600 grit sand paper. This will allow the paint to bond with the gelcoat. After sanding, clean enclosure of any debris. You may use a base coat/clear coat or acrylic enamel.

**NOTE: Pre-drill all mounting holes and check enclosure and subwoofer for proper fit, and if necessary, modify subwoofer mounting hole, prior to painting enclosure!**

## **1-Year Limited Warranty**

AudioFormz, Inc. warrants the original purchaser that all new AudioFormz fiberglass products be free from defects in material and workmanship, under normal and proper use, for a period of **one (1) year** from the date of purchase (as shown on the original bill of sale). We reserve the right to replace, repair, or exchange any defective product or issue a refund for the purchase price. This warranty does not extend to any defect or failure caused by misuse, abuse, accident, improper installation, improper installation of associated equipment, defective associated equipment, or the use of the product with equipment for which it was not intended. To obtain warranty service, contact AudioFormz, Inc. at 903-675-5902 and request an RA (return authorization) number. Items shipped without a valid RA # will be refused. Product must be properly packaged to avoid transport damage. AudioFormz, Inc. reserves the right to refuse product improperly packaged.



**AudioFormz Inc.**  
11293 St. Hwy 19 North  
Athens, TX 75752