

WHELET ENGINEERS INCORPORATED



PATENT #6,648,373

Installation Sheet
#INS-01020

VIBROWEDGE® Assembly Instructions

The VIBROWEDGE is a vibration isolation system designed for use on top of the fender to secure to a 1-7/8" tube mount in radiused or flat applications.

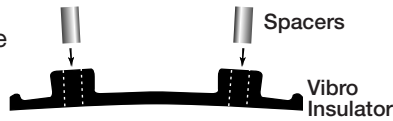
NOTE: These instructions for installation are intended to be a general guide to help the installer. Because of the large number of possible mounting configurations, the installer is responsible for the ultimate installation design. Any modifications to the product are at the discretion, responsibility and risk of the installer.

Each X-FLEX Vibrowedge System Includes

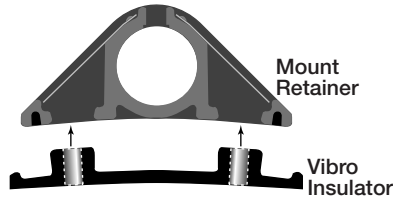
- 4 Vibro-Isolators
- 4 Mount Retainers
- 4 Backing Plates
- 8 Spacers
- 8 Decorator Covers
- 8 Self-threading Screws
- 4 Set Screws
- 8 Hex Head Bolts
- 8 Large Flat Washers
- 8 Keepers (plastic)
- 8 Locknuts
- 16 Small Flat Washers
- 4 T-Nuts



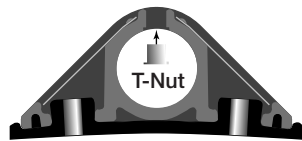
1. Insert the spacers into the rubber Vibro Insulator.



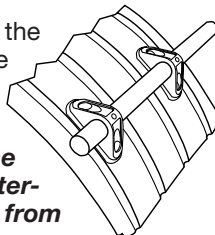
Next, insert the Vibro Insulator into the Mount Retainer.



Insert the T-Nut into the Mount Retainer from the underside as shown. Hold T-Nut in place while sliding the mounting tube through the Mount Retainer.



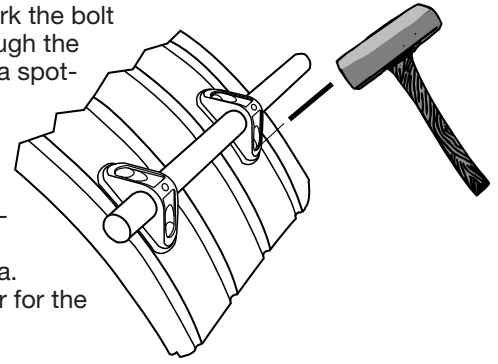
2. When both VIBROWEDGE isolators are on the mounting tube, position correctly on the fender for spotting the mounting holes



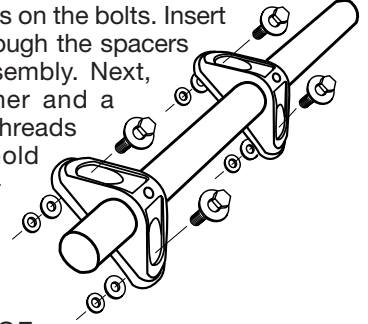
Note: The desired position for the X-FLEX VIBROWEDGE will vary from one installation to another. This is best determined with the help of the instructions from the fender manufacturer.

If mounting instructions from the fender manufacturer are unavailable, the VIBROWEDGE should be located approximately 5"-6" in from the sides and 12"-18" in from the ends of the fender.

3. On the fender, mark the bolt hole location through the spacers by using a spotting punch or 5/16th dia. drill bit.
4. Remove the VIBROWEDGE assembly, then drill 11/32 to 3/8 in. dia. holes in the fender for the mounting bolts.

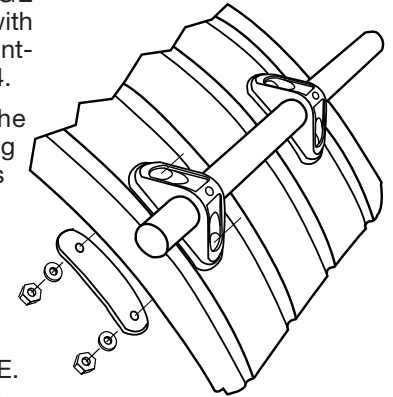


5. Place the large flat washers on the bolts. Insert the bolts from the top through the spacers in the VIBROWEDGE assembly. Next, install a small flat washer and a plastic keeper over the threads of each bolt. This will hold the bolt, washers and VIBROWEDGE together for final assembly.



6. Place the VIBROWEDGE assembly on the fender with the bolts through the mounting holes drilled in step #4.

7. On the under side of the fender, place the backing plates, small flat washers and the lock nuts onto the mounting bolts.



8. Partially tighten nuts, allowing for some movement of the VIBROWEDGE. Do not tighten completely until the mounting tube is bolted tightly to the truck frame and the fender is positioned correctly.

Tighten Setscrews to 144 in. lbs. or 12 ft. lbs.

9. Tighten the lock nuts to 168 in. lbs. or 14 ft. lbs. Then tighten the setscrews to 144 in. lbs. or 12 ft. lbs.

Tighten Locknuts (4) under fender to 168 in. lbs. or 14 ft. lbs.

10. Now install the decorator cover by first inserting the bottom end under the lip of the mount retainer, and then fastening the top with the self-threading screws.

