MARQUESA MARINE

PUSH POLE FERRULE REPAIR GUIDE

Tools/Materials Included in Kit

- Marquesa Marine push pole ferrule
- JB Weld Original Adhesive
- Adhesive applicator brush
- Stir stick
- Foam seals
- Nitrile gloves
- 120 grit sandpaper

Tools/Materials Needed

- Cutting tool (fine tooth hacksaw, chop saw, etc.)
- Solvent (acetone or isopropyl alcohol)
- Duct tape

Note: It is best to perform ferrule repairs in two stages, allowing the ferrule to fully cure in one tube before joining the tubes. This process ensures that the ferrule is perfectly centered on the joint between the tubes.

Instructions

1. Cut the broken push pole tube to leave a clean edge. Use a cutting tool with fine teeth like you would use for cutting metal. It may help to apply duct tape around the tube before cutting to minimize fiber break out. **(Skip to step 3 if assembling a new push pole)**
2. After making the cut, use a flat piece of wood and sandpaper to square off the end if necessary.
3. Clean the inside of the push pole tube using a clean rag or paper towel with acetone or isopropyl alcohol to remove any debris and mold release agent.
4. Scuff up the inside of the tube to a depth of 6 inches using the 120-grit sandpaper until it is no longer shiny.
5. Clean the tube again using a clean paper towel or rag with acetone or isopropyl alcohol.
6. Insert the foam seal into the tube. Be careful not to “roll” the seal over. Once the seal is started in the tube, it is easiest to push it in evenly using the ferrule. Push the seal just barely deeper than ½ the length of the ferrule.

7. Dispense the epoxy into the included tray and mix thoroughly with the included stir stick.
8. Use the included brush, apply epoxy first to the inside of the tube, coating all surfaces evenly, then apply epoxy to ½ of the ferrule.
9. Insert the ferrule with a slow ½ turn until it is fully seated against the foam seal. Note: Once you hit the seal with ferrule, do not push any further. Carefully clean up all excess epoxy that squeezes out with a paper towel. Once the excess epoxy is cleaned, a final wipe with solvent will clean up any remaining residue.
10. You should now have a ferrule sticking ½ way out of your push pole, leave the assembly to cure for 12 to 24 hours before proceeding with the final bond.
11. After the adhesive has fully cured, prepare the other push pole tube for bonding using the same method described above.

    Note: when you make the final bond, the two tubes will want to push apart. You can place heavy objects at each end of the push pole, or you can use duct tape across the joint to keep it from pushing apart. A combination of both methods may be necessary. Plan this process before making the bond and have what you need within arm's length!

12. Use the included brush, apply epoxy first to the inside of the tube, coating all surfaces evenly, then apply epoxy to the remaining ½ of the ferrule.
13. Insert the ferrule fully with a slow ½ turn, clean excess epoxy, clean remaining residue with solvent, and secure the push pole until it cures.

Please do not hesitate to call or email us with any questions!