



How to Service a Broken Toneable Duct Rod Female Fitting

Use appropriate fitting kit:

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3/8" Female End Fitting Toneable, # 88414

1/2" Female End Fitting Toneable, # 88416

▲ IMPORTANT - Avoid contact with skin and eyes. For skin, wash affected area with soap and water. Do not take internally. If taken internally seek medical attention immediately. If in contact with eyes, flush, with plenty of water. Use with adequate ventilation. Consult Material Safety Data Sheet for more information at http://www.gmptools.com/pdf/DB_AB.pdf

1. Cut-off, squarely, broken rod end with a fine tooth hacksaw.

2. Mark 2" from end of rod. Carefully cut cover circumferentially at mark and remove cover.

3. Remove 2" of fiberglass core to expose copper wire by making multiple slits along the wire. Remove excess fiberglass. Remove any varnish from wire with sandpaper.

4. Mark 2" from the end of the fiberglass. Carefully cut cover circumferentially at mark and remove cover.

5. Roughen fiberglass with sandpaper. Fold back wire onto fiberglass core.

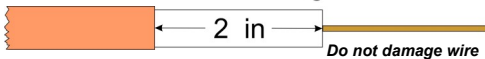
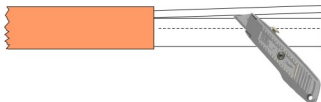
6. Mix epoxy: **a)** fold **b)** cut **c)** squeeze **d)** mix thoroughly. Place 2/3 on rod and 1/3 in coupling

7. Insert rod into coupling. Do not rotate. Ensure that the rod is insert all the way. Remove excess epoxy. (working time is 3 - 5 minutes @ 70°)

8. Full physical properties aren't developed for at least 24 hours at room temperature.

9. Once epoxy is setup, use hot air gun to shrink the tubing over the coupling for insulation.

▲ Important: Do Not Cut into Surface of Fiberglass



Verify 2 - 15 ohm continuity between fittings.