

Transom/Bailer Unit Seating Repair

1 Objective

Repair of transom around the perimeter of the self bailer units due to incorrect manufacture, deterioration or rot, which would otherwise result in water leakage into the double bottom of hull and accelerated deterioration of the wood transom board

2 Tools & Materials

- Blue masking tape
- Acetone
- Medium 100 grit and fine 180 grit sand paper
- Wood grade marine resin +hardener
- Gel coat resin + Hardener
- Marine grade silicone compound

3 Method

- 3.1 Remove the self bailer units by removing the retaining unit and gently tap out the unit with a soft mallet whilst removing any sealer compound
- 3.2 The surface perimeter of the bailer mounting hole will be cleared of loose surface compound, paint or Gel coat by using a blunt edge.
- 3.3 The surface perimeter of the bailer mounting hole is to be inspected for deterioration and rot.
- 3.4 The surface of the bailer mounting hole is to be lightly sanded with a fine 180 grit abrasive paper in preparation for applications.
- 3.5 Any areas of rot are to be removed and thoroughly cleaned with acetone.
- 3.6 The surface will be thoroughly cleaned with acetone in preparation for wood grade marine resin
- 3.7 A mixture of wood grade marine resin/hardener compound is prepared homogenously and applied to fill the defective area or crevice opening, ensuring that afflicted area is completely filled. (It is best to test out the product for effective hardening prior to application to confirm its effectiveness)
- 3.8 The wood resin compound will require a minimum of 3-6 hours curing time until it hardens satisfactory.
- 3.9 The hardened resin is then sanded down using a medium 100grit sand paper to remove any peaks to uniformity.
- 3.10 Gel coat and hardener will then be prepared against manufacturer's recommendations and applied to the surface of the bailer mounting hole and allowed to dry.
- 3.11 The use of a hot air dryer is recommended in Gel coat applications post curing as the surface may remain slightly tacky
- 3.12 The cured Gel coat will be sanded down once again using a combination of Medium 100 grit and fine 180 grit sandpaper to obtain a correct fit with the self bailer barrel, retaining a uniform of 0.5 - 0.8mm thickness.
- 3.13 Marine grade silicone compound is to be applied liberally on the seating flange on the self bailer unit
- 3.14 Remove the blue masking tape from the stern side of the transom.
- 3.15 The self bailer will be inserted and secured by lightly tapping the end with a rubber mallet until a secure bond with the transom is achieved.
- 3.16 Remove the blue masking tape from the transom on the deck side.
- 3.17 Marine grade silicone compound is to be applied liberally on the seating flange on the lock nut
- 3.18 The self bailer unit is then secured by hand tightening the locknut + a quarter turn to effect final pressure. (the front end of the bailer unit may need to be held to restrict rotation whilst fastening.
- 3.19 Remove and clean any excess silicone with a cloth and/or acetone.

Transom/Bailer Unit Seating Repair



Fig 1 Loose surface compound



Fig 2 Rot & deterioration



Fig 3 Wood grade marine resin applied



Fig 4 – Gel coat application



Fig 5 – Gel coat sanded to uniformity



Fig 6 – Bailer unit mounted and sealed