

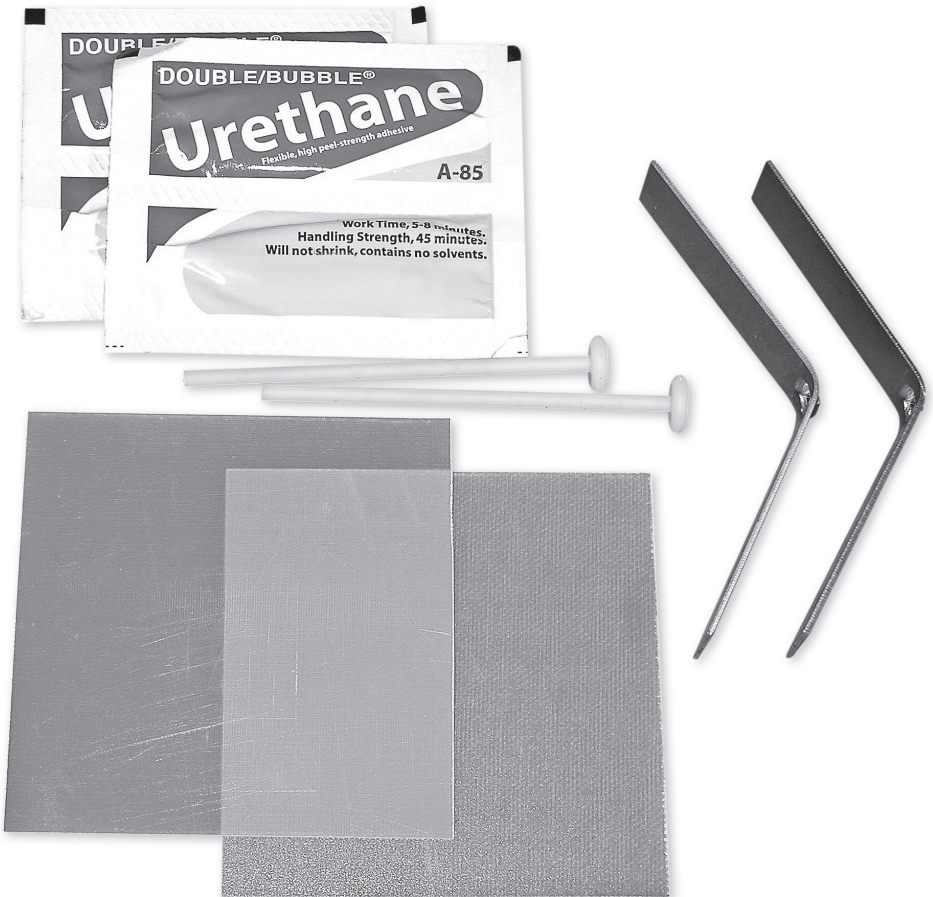
*Eastwood*<sup>®</sup>

DO THE JOB RIGHT.<sup>®</sup>

Item #13661

# NO-WELD HOLE REPAIR KIT

## INSTRUCTIONS



The **EASTWOOD NO-WELD HOLE REPAIR KIT** provides a quick, weld-free solution to repair up to 2" dia. holes in steel, aluminum, fiberglass and plastic body panels while minimizing sanding damage and the amount of required surface preparation.

## CONTENTS

- (2) 3" x 3" x 0.02" Flexible G10 fiberglass composite backer sheets
- (2) 3" long x 1/8" dia. Nylon retainer pins
- (2) 3" x 5/8" Steel Retaining Clips
- (2) Packets of Urethane Adhesive/filler



## SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

### **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **⚠ WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **⚠ CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.

# SAFETY INFORMATION



## **⚠ READ INSTRUCTIONS**

- Thoroughly read and understand instructions before using this kit.
- Keep product instructions for future reference.



## **⚠ WARNING HEALTH HAZARD!**

- Dust and fine particles are generated while cutting, sanding, and grinding metals, plastic, fiberglass, and materials or finishes which contain hazardous or toxic substances. Breathing this dust can cause serious respiratory health conditions. Always use NIOSH approved respiratory protection.
- Particles can be ejected at high velocity during cutting, grinding and sanding operations. Wear approved eye and skin protection.



## **⚠ WARNING INJURY HAZARD!**

- Sharp metal edges can cut. Always wear protective work gloves while handling.
- Wear protective gloves when trimming flexible fiberglass backing panels. Exposed glass fibers can cause cuts.
- Follow package directions carefully and wear disposable gloves when handling backer adhesive and use in a well ventilated area. The use of a NIOSH approved mask for respiratory protection is recommended.



## **⚠ NOTICE**

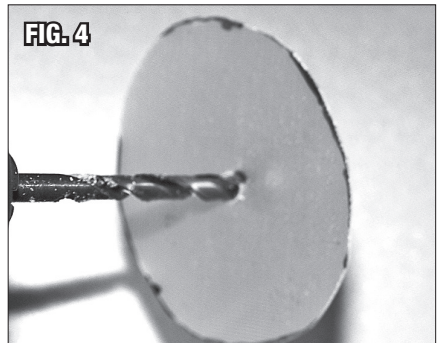
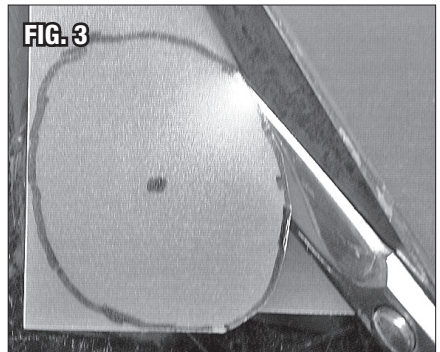
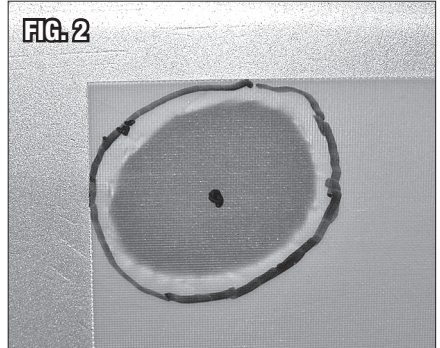
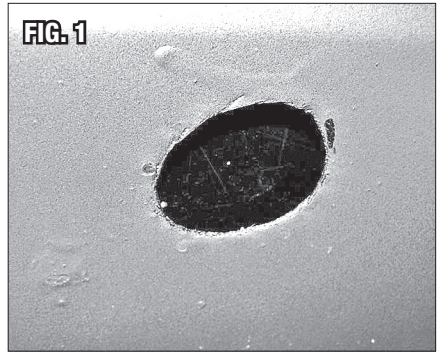
- For use with exterior body panels only. Not intended for use in floor panels or structural areas.

# PROCEDURE

- Determine damage and cut out all rust with sheet metal shears until sound, rust free metal is remaining.

**NOTE:** Intended for holes of 2" or less. Exceeding this dimension will cause excessive patch flexing and failure (**FIG 1**).

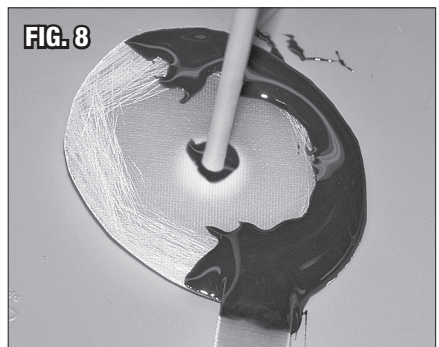
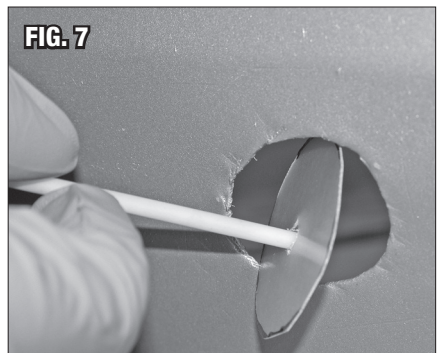
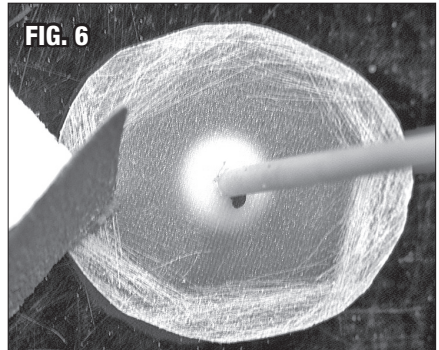
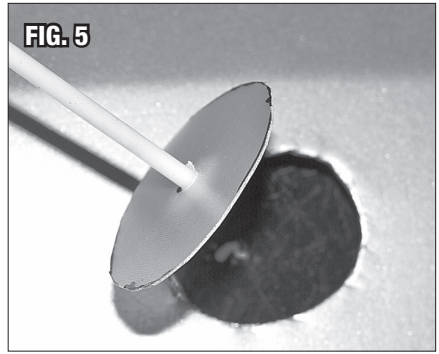
- Place and center the semi-transparent fiberglass backer sheet over trimmed hole and trace outline of hole with a suitable marker (**FIG 2**).
- Trim the fiberglass backer sheet with common scissors keeping the cut line approx 1/8"-1/4" outside the traced line so that the final trimmed backer is larger than the hole (**FIG 3**).
- Drill a 1/8" hole through the center of the trimmed fiberglass backer (**FIG 4**).



- Insert a 3" long x 1/8" dia. Nylon retainer pin through the rear of the previously drilled 1/8" hole (FIG 5).
- Roughen the outward facing surface of the trimmed fiberglass backer in the area between the trimmed edge and traced line with 80 grit abrasive paper. (This area will be bonded to the inward facing surface of the damaged panel) (FIG 6).
- If possible, also roughen the inward facing area of the damaged panel with 80 grit abrasive paper.
- Test fit by inserting the fiberglass backer through the hole in the damaged panel making sure it fits before applying adhesive (FIG. 7).

**⚠ WARNING INJURY HAZARD!**  
 Follow package directions carefully and wear disposable gloves when handling backer adhesive and use in a well ventilated area. The use of a NIOSH approved mask for respiratory protection is recommended.

- Follow instructions on packet to mix the Urethane Adhesive/filler then apply it to the outward facing surface of the trimmed fiberglass backer in the area between the trimmed edge and traced line (this area will be bonded to the inward facing surface of the damaged panel) (FIG 8).  
**NOTE:** Also apply a small amount of adhesive to pin head.
- Feed the prepared fiberglass backer through the hole in the damaged panel using the pin as a handle.  
**NOTE:** It may be necessary to bend or curl the fiberglass backer slightly to get it through the hole.

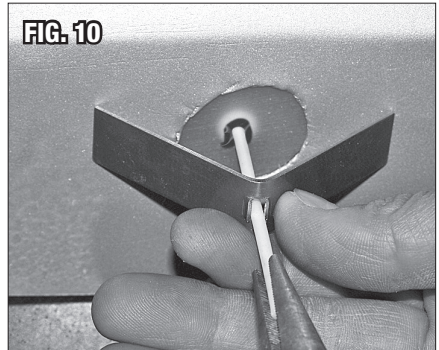
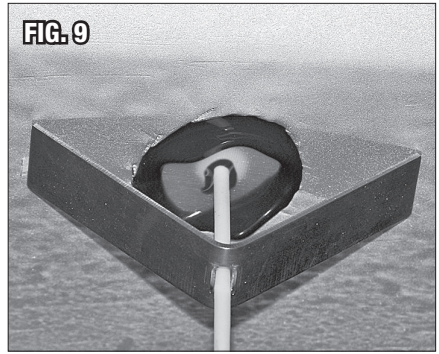




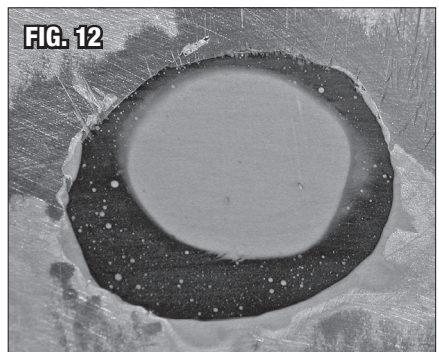
- While holding the pin and patch securely, slide the Retaining Clip notch over the pin with the open angle toward the repair (**FIG 9**).

**NOTE:** Minor bending of the clip may be required to open the notch and allow the Retaining Clip to slide along the Pin.

- Pull pin outward with pliers to create tension and push Retaining Clip securely against the outer surface of the panel being repaired (**FIG 10**).
- Allow the Urethane Adhesive/filler approx. 30 minutes to fully cure then remove Retaining Clip and cut off exposed length of Pin as close to the fiberglass backer surface as possible (**FIG 11**).
- The patched area can now be sanded and filled with a minimal amount of suitable quality body filler such as Eastwood Contour Filler, sanded, primed and painted for a professional looking seamless repair.



Remaining void filled, sanded, and ready for primer and paint (**FIG 12**).





---

**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

800.343.9353 [eastwood.com](http://eastwood.com)