

**Knowledge domain: Mechanical**  
**Unit: Attachment**  
**Skill: Super glue**

**Tools and Parts Required:**

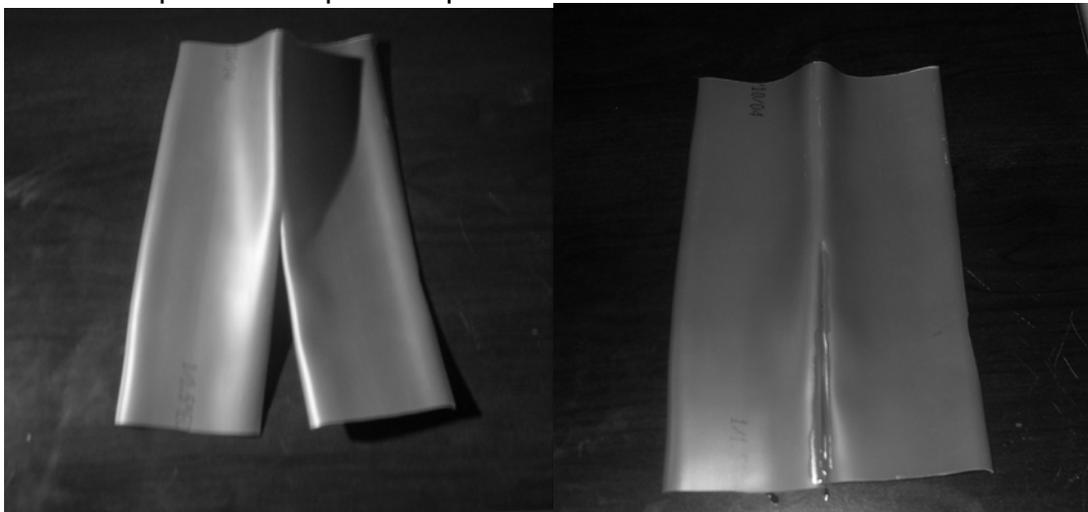
- 1) Super glue
- 2) Piece of torn plastic, rubber and/or metal
- 3) Safety goggles
- 4) Work gloves

**Introduction**

Super glue is a very strong adhesive. It can be used to reattach a broken part. Super glue works well with plastic, rubber and metal. Super glue dries quickly. Super glue can keep two pieces from separating. Super glue is less strong than Epoxy. Super glue works well for tears in rubber tubing and for locking nuts and bolts. Super glue does not weaken in water. Super glue will dissolve some plastics and foam.

**Example**

Below is a picture of a piece of plastic before and after reattachment.

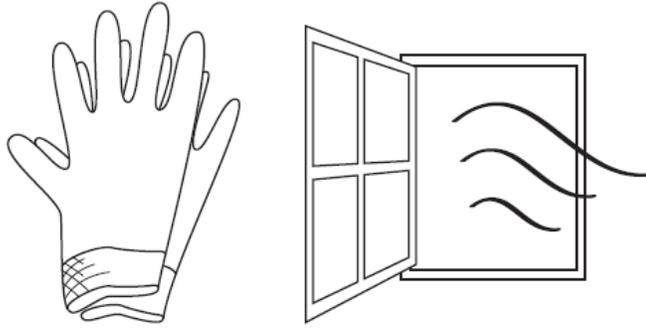


**Identification and Diagnosis**

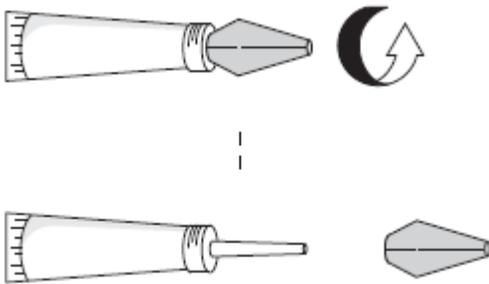
Use super glue if the piece cannot be attached using a nail, screw or welding. Use super glue for small rips in material, and to reattach small pieces.

**Procedure**

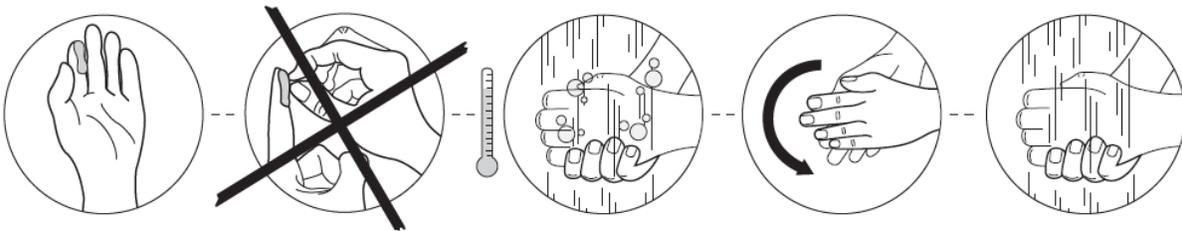
Wear safety goggles and gloves when working with super glue. Work in a well ventilated area to avoid breathing the fumes. The fumes can be dangerous.



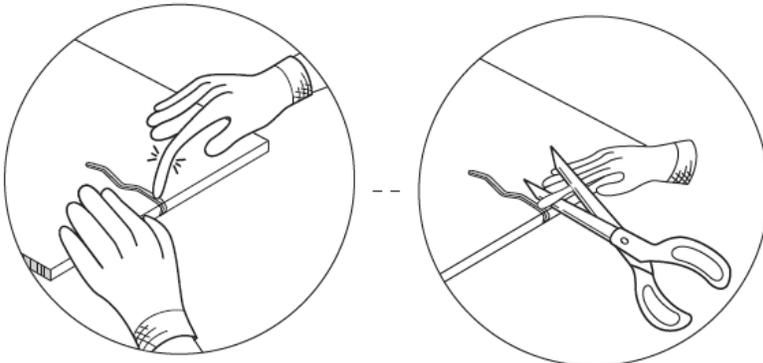
Make sure to keep the cap on the super glue when you're not using it. This will help keep the glue drying out. Avoid touching super glue to skin. Super Glue bonds to skin in seconds.



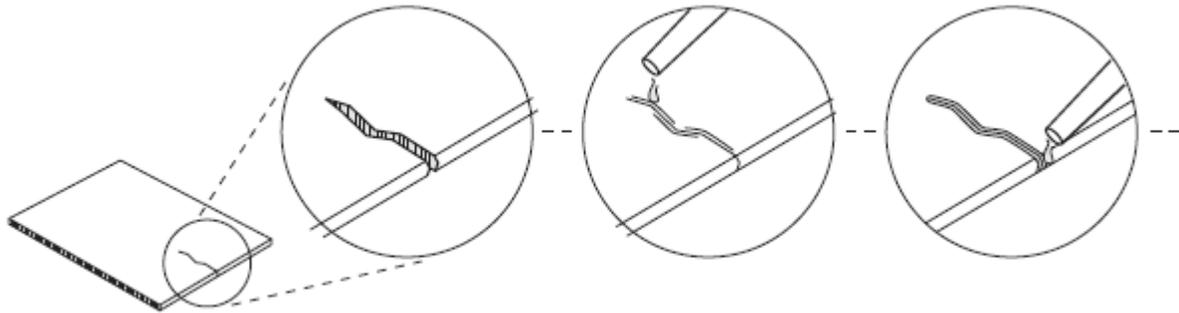
If super glue gets on your skin, **DO NOT** attempt to tear or force apart the glue. Soak the affected skin in warm, soapy water. Slowly roll the skin to work the bond apart as the warm water soaks through. Continue doing this until the skin is free of glue.



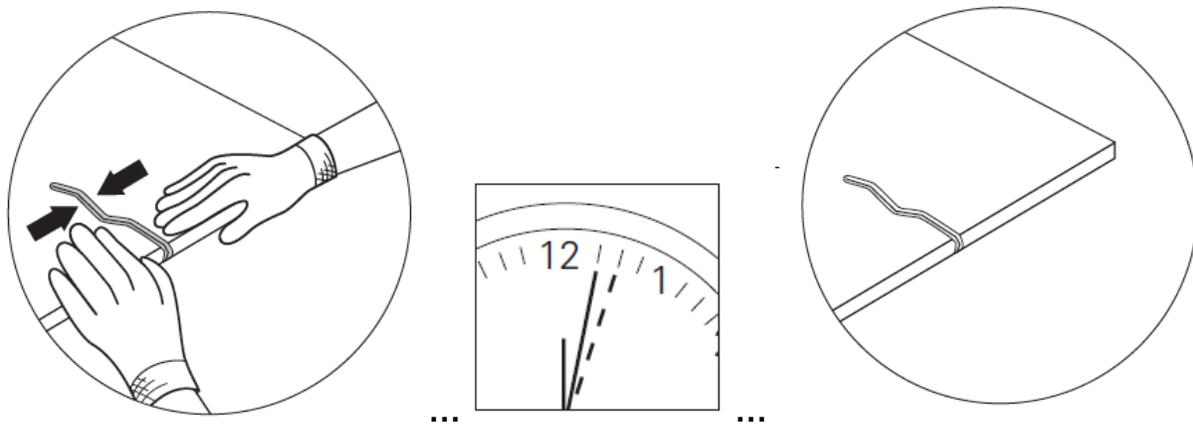
If your glove is stuck by super glue, take the glove off. Carefully cut off the glued section from the glove.



Follow the directions on the super glue. Spread super glue on the edge of the broken part.



Gently and immediately push the two broken pieces together. Hold until the glue is firm. The glue will be dry within a minute.



### Exercise

Your instructor will give you a broken or ripped object. The object can be obtained from any rubber material. The object may be a piece of medical equipment from your hospital. Reattach the object using super glue. Allow the super glue to set. Ask your instructor for objects of other materials to repair.

Your instructor must verify your work before you continue.

### Preventative Maintenance and Calibration

Look for small rips and cracks. Super glue can be used to fix small rips. Super glue can be used to seal small cracks. Look for small, loose parts on the equipment. Super glue can be used to secure small parts of a mechanical device.

Always calibrate every medical device before returning it to use.