

PRODUCT REPAIR PROCEDURE

MAKING EMERGENCY/TEMPORARY REPAIRS WITH PATCHES

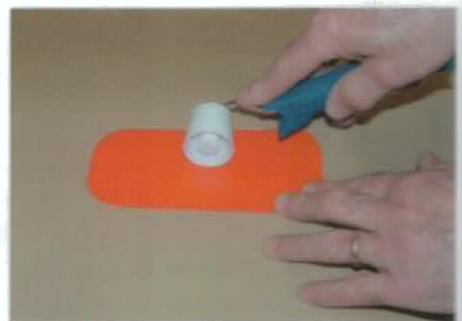
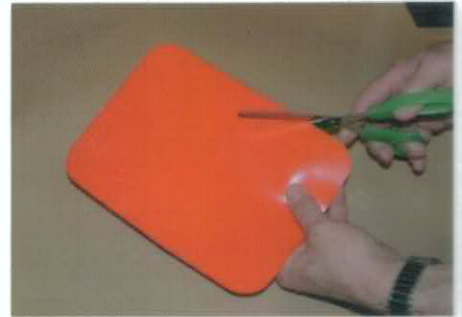
Before commencing repairs, the weather should be warm (above 60 deg. F or 15 deg. C) and dry. The patch should be weighed down for 8-12 hours and the repaired item should not be used before the glue has set (24 hours).

Tools and Materials Required

- ▶ Roller
- ▶ Scissors
- ▶ Patch material
- ▶ Glue
- ▶ Solvent
- ▶ Abrasive pad
- ▶ Weight bag (if ordered)

Step-By-Step Instructions

1. **CLEAN** the area to be repaired with an abrasive pad dampened with solvent. Remove all traces of masking tape, if used. If possible, place a piece of masking tape on the back side of the item being repaired. Check to see if the area is totally clean and all coated surfaces/edges are dull.
2. **CUT** a patch. The patch should be at least 2" (50 mm) larger in every direction from the damaged area.
3. **PAINT** the damaged area with glue. **WAIT 30 MINUTES** (at 75 deg. F or 22 deg. C) for some of the solvent to evaporate from the glue. The glue should become thicker but still be quite wet.
4. **PLACE** the patch and **ROLL IT DOWN** with the roller. Place the centre of the patch down first, then roll it out towards the edges.
5. **WEIGH** down the patch. Place a plastic cover sheet over the patch followed by a 10 lb. weight for 12 hours at room temperature. A weight bag (to be filled with water) can also be ordered by requesting part# REPB001 or, if you ordered a complete repair kit, then it will be part of that kit. Following repair, the item can be moved but should not be filled again until the glue has cured for 24 hours.



WARNING

Glue vapours are highly explosive! Explosive vapours may occur causing fire and/or injury. Keep away from all sparks, flame, lighters or cigarettes. Use solvent and glue under well ventilated conditions only. When using a warm air fan, either use one which is rated **EXPLOSION PROOF** or make sure that there is a steady flow of air past the work area to remove fumes as they are generated.



WE ENGINEER SOLUTIONS

SEI Industries Ltd., 7400 Wilson Avenue
Delta, B.C. Canada V4G 1H3
T: 604-946-3131 F: 604-940-9566
seisales@sei-ind.com
www.sei-ind.com

PRODUCT REPAIR PROCEDURE

MAKING PERMANENT REPAIRS USING A HOT AIR GUN

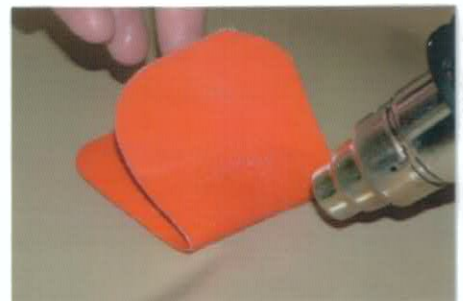
On most products, hot air gun patching is the preferred repair method because it provides the most durable, permanent repair possible. Turn page over for emergency/temporary repair instructions using patches and glue only.

Tools and Materials Required

- ▶ Patches
- ▶ One plastic hand-held roller
- ▶ One hot air gun (120 V-1500 W, 800 to 1100 deg. F)
- ▶ One wide-surface nozzle
- ▶ Isopropyl alcohol
- ▶ Scissors

Step-By-Step Instructions

1. In a well-ventilated location, **CLEAN** the area to be repaired as well as one side of the patch with an abrasive pad.
2. **MOUNT** a wide surface air nozzle on the hot air gun so as to direct the heat flow in a large pattern. Turn the power **ON**, adjust the temperature in the low range first and let the hot air gun warm up. Increase the temperature as required during the operation. **DO NOT OVERHEAT OR BLACKEN THE FABRIC.**
3. Starting from the centre of the patch (held down by the roller), concentrate the heat flow equally to patch and fabric. **APPLY** a light pressure with the roller when the fabric starts melting. This can be seen as small bubbles. **DO NOT OVERHEAT.**
4. **ROLL** the patch down to fuse it to the fabric, moving roller and gun simultaneously. Repeat on the un-fused portion of the patch. Let the repaired area cool down. Attempt to peel off at the edges with your fingers. If there is even a slight peel, repeat the operation on that small area. Otherwise, the repair is finished.



WARNING

It is extremely dangerous to use a hot air gun in the presence of flammable fumes such as gasoline or paint thinner. There is a high risk of explosion and/or burns. Injury, especially to hands and fingers, can also occur when using a hot air gun. Wear gloves to protect skin from overheating, burning and blistering.



WE ENGINEER SOLUTIONS

SEI Industries Ltd., 7400 Wilson Avenue
Delta, B.C. Canada V4G 1H3
T: 604-946-3131 F: 604-940-9566
seisales@sei-ind.com
www.sei-ind.com