

**Aerotest**

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# **Simple Repair Procedures**

## **For**

### **Water Vapour Resistant “Aero-bag” (WVR)**

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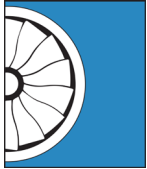
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## Repairing the WVR “Aero-bag”

### Preambles:

Damage to the WVR “Aero-bag” such as small tears or a hole can be repaired using simple stick-on repair patches. Materials and instructions are within the Standard repair Kit.

### NOTE:

*Prior to any repair procedure being carried out, the WVR “Aero-bag” should be cleaned thoroughly with a grease solvent around the area to be repaired e.g. detergent solution, white spirit or gasoline.*

### Standard Repair Kit consists of:

- A set of information and data sheets.
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- A sheet of Aluminium Oxide Emery Paper.
- Various sizes of repair patches made from ER 680 fabric textile material, which is the same colour and specification as the WVR “Aero-bag”

### NOTE:

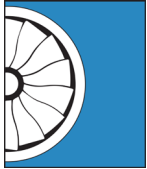
*Due to shipping difficulties, Aerotest no longer supplies adhesive for Aero-bag repair procedures. Aerotest recommends the use of Bostik All Purpose Adhesive (or similar), which can be purchased locally.*

### Limits of WVR “Aero-bag” repair:

There is a limit to how big a tear or hole can be repaired within the fabric of the WVR “Aero-bag”

The guidelines are stated below:

1. Punctures not greater than 25mm (1 inch) in diameter.
2. Tears up to 75mm (3 inches) in length in any two directions.



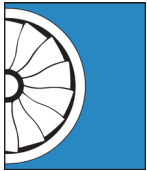
## Repair Procedure for WVR “Aero-bag”

Before the repairs are commenced the area around the damaged area should be cleaned as described on Page 2.

### NOTE:

*Due to shipping difficulties, Aerotest no longer supplies adhesive for Aero-bag repair procedures. Aerotest recommends the use of Bostik All Purpose Adhesive (or similar), which can be purchased locally.*

1. Use two suitably sized ER 680 repair patches, large enough to overlap the damage area by 50mm (2 inches) all round. One patch for inside and one for outside of the WVR “Aero-bag”. Cut the patches to fit around existing welded seams on the bag if necessary.
2. Area where the Adhesive is to be applied should be evenly abraded using the Aluminium Oxide Emery Paper on both the damaged bag and the repair patches.
3. Area around the damaged area, inside and out, as well as the repair patches should be cleaned as described on Page 2.
4. Apply an even film of the adhesive to all surfaces (4 off) that will have contact - Ensure finish is smooth. Do not bring surfaces together yet.
5. Allow Adhesive to dry for 5-10 minutes (slightly tacky to touch).
6. Bring surfaces together and apply good pressure on a flat surface. For best bond results, leave to cure for 24-48 hours before moving. Bond is fully cured after 1 week.



## Zip Information for WVR “Aero-bag”

### Smart use of Zipper:

- Slowly move the slider when operating. Angular pulling may cause element mis-engagement and may result in poor waterproof performance or damage zippers.
- If the slider should jam during closure, DO NOT FORCE IT. Pull back the slider, remove the obstruction and slowly attempt to close it again.
- Excessive force may destroy the fastener.
- Overstretching of the top and bottom stops should be avoided.
- Aerotest will not provide warranties or accepts no liability for such use.

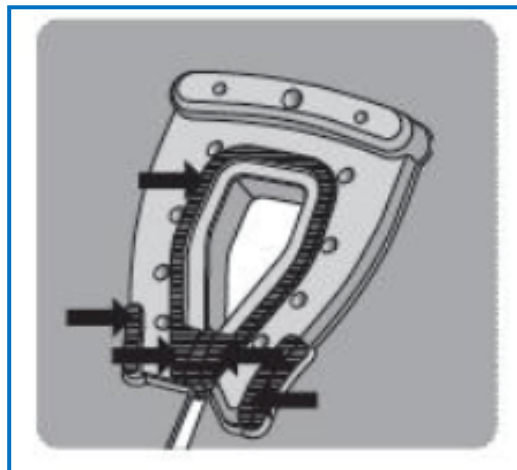
### Cleaning:

- Regular cleaning with fresh water and use of a suitable lubricant is advised in order to prevent damage to the tape and seals.
- For lubrication, please refer to the maintenance section below.

### Maintenance:

- After cleaning the zipper, we recommend the application of either a lubricant or paraffin wax to maintain the proper waterproof performance.

*Figure 1*



For the W-seal (Closed-end) application:

1. Apply the lubricant to the top-seal as indicated in *figure 1*.
2. Apply a small amount of paraffin wax along the zipper elements.

**\* Do not directly apply the lubricant on the zipper's elements.**