



Product Modification Procedure

PROCEDURE#: PMP-1262 **NUMBER OF PAGES:** 2

DATE: September 18, 2007

TITLE: Aviator side gusset modification

SERVICE BULLETIN REF: SB-1544

APPLICABLE PRODUCTS: Aviator container sizes 280/1524, and 246/1524 manufactured prior to September 4, 2001.

DESCRIPTION: Replacement of the side gusset panels with larger sizes to prevent the side opening inadvertently.

AUTHORIZED REPAIRMEN: FAA Master Parachute Rigger or foreign equivalent.

MATERIALS:

1. One (1) pair of replacement gusset panels. Color to match the container.
2. "E" thread- color to match the original.

MACHINES:

301 Straight Stitch - Medium Duty
308 Zigzag - Medium Duty
42 stitch bartack machine

EQUIPMENT:

1. Scissors
2. Seam Ripper / scalpel
3. Marking Pencil

PROCEDURE

1.0: DISASSEMBLY:

- 1.1 Mark along the bottom edge and the side edges of the back pad with the marking pencil to allow alignment when re-assembling the container (Figure 1).
- 1.2 Unpick the bottom edge of the back pad.
- 1.3 Open the sides of the back pad from the bottom up approximately 15" (380mm).
- 1.4 Mark the top, bottom, and inside edge of the side gusset panel (Figure 2).
- 1.5 Remove the old, narrow side gusset from the container (Figure 3).
- 1.6 Unpick the horizontal back strap for approximately 3" (76mm) in from the edge of the back pad (Figure 4).

2.0 REASSEMBLY:

- 2.1 Position the bottom edge of the gusset panel along the previously marked line with the hook Velcro facing down and the small end towards the bottom of the container (Figure 5).
- 2.2 Stitch in place with a single row of 301 stitching along the outside row of stitching on the binding tape.
- 2.3 Replace the bartack at the top corner of the gusset as per the original with a 42 stitch bartack or equivalent zig-zag stitch (Figure 5).
- 2.4 Re-stitch the horizontal back strap assembly, making sure to sew three rows across the open end of the back strap (Figure 6).
- 2.5 Re-stitch the back pad in place as marked earlier with a 301 single needle and E thread (Figure 7).
- 2.6 Place a mark at 6" (150mm) up from the bottom corners of the back pad (Figure 8).
- 2.7 Reinforce the bottom sides of the back pad and over the horizontal back strap with a 308 zig-zag stitch (Figure 9).
- 2.8 Modification complete (Figure 10).

3.0 INSPECTION:

- 3.1 Correct orientation of the gusset panels.
- 3.2 Bartack at the upper corner of the gusset.
- 3.3 Horizontal back strap re-stitched.
- 3.4 Back pad re-stitched along alignment lines.
- 3.5 Zig-zag reinforcing in place and correct length.

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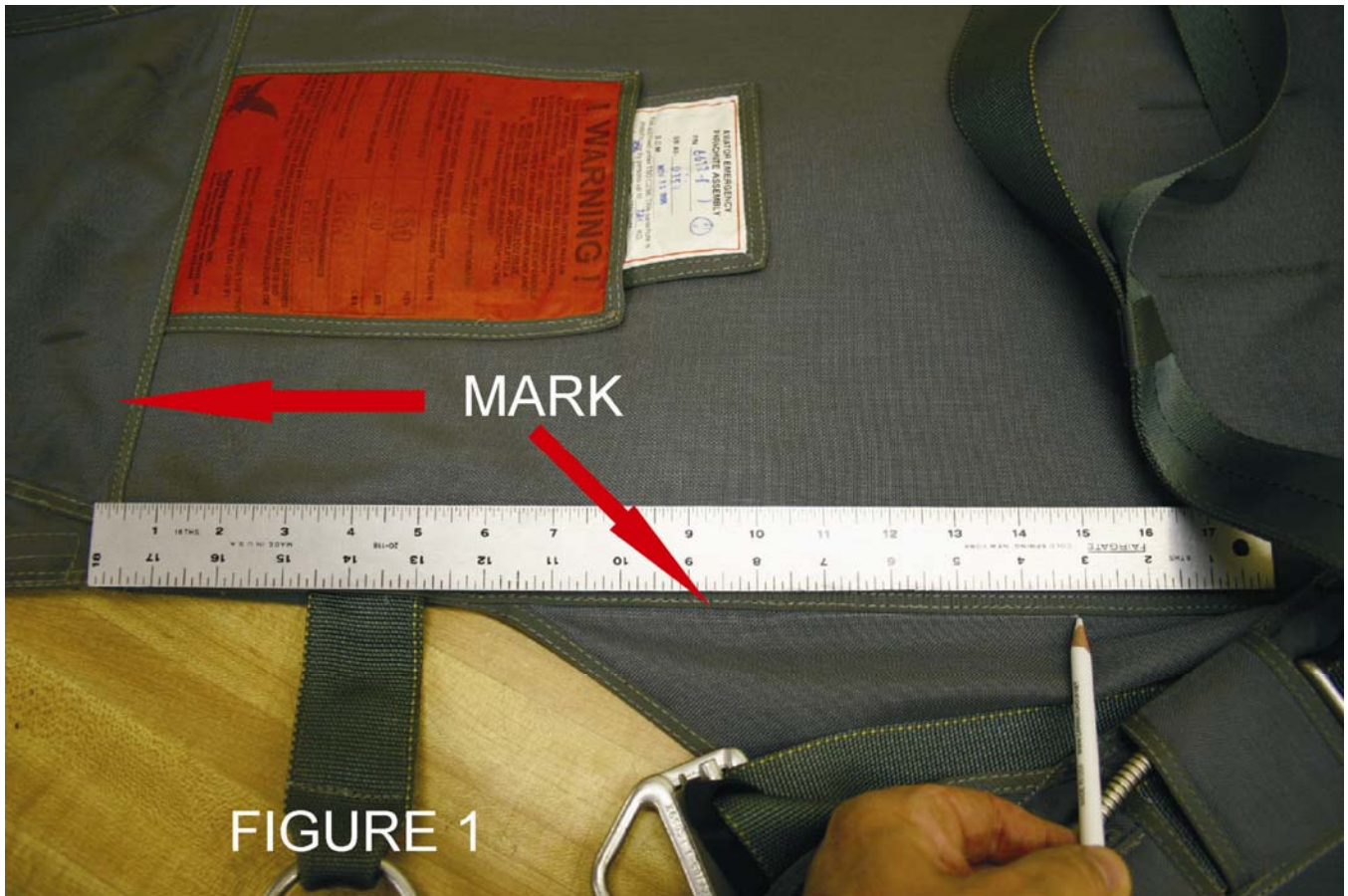
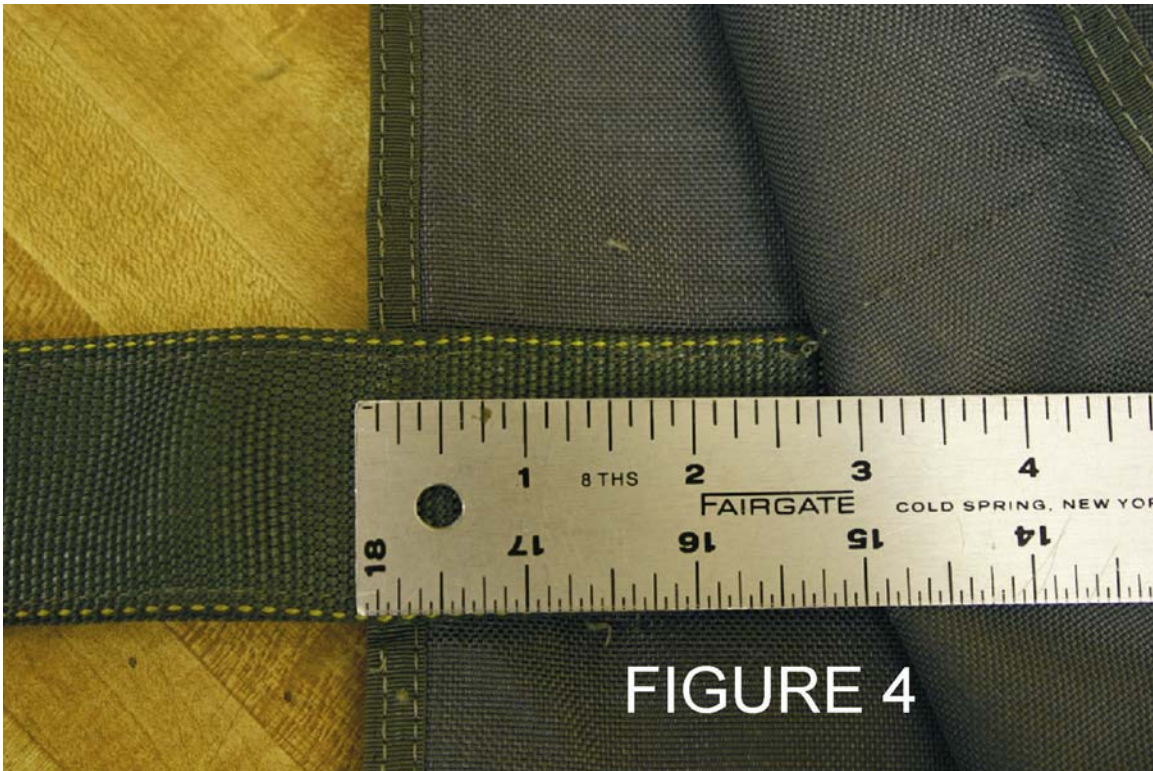


FIGURE 1



FIGURE 2



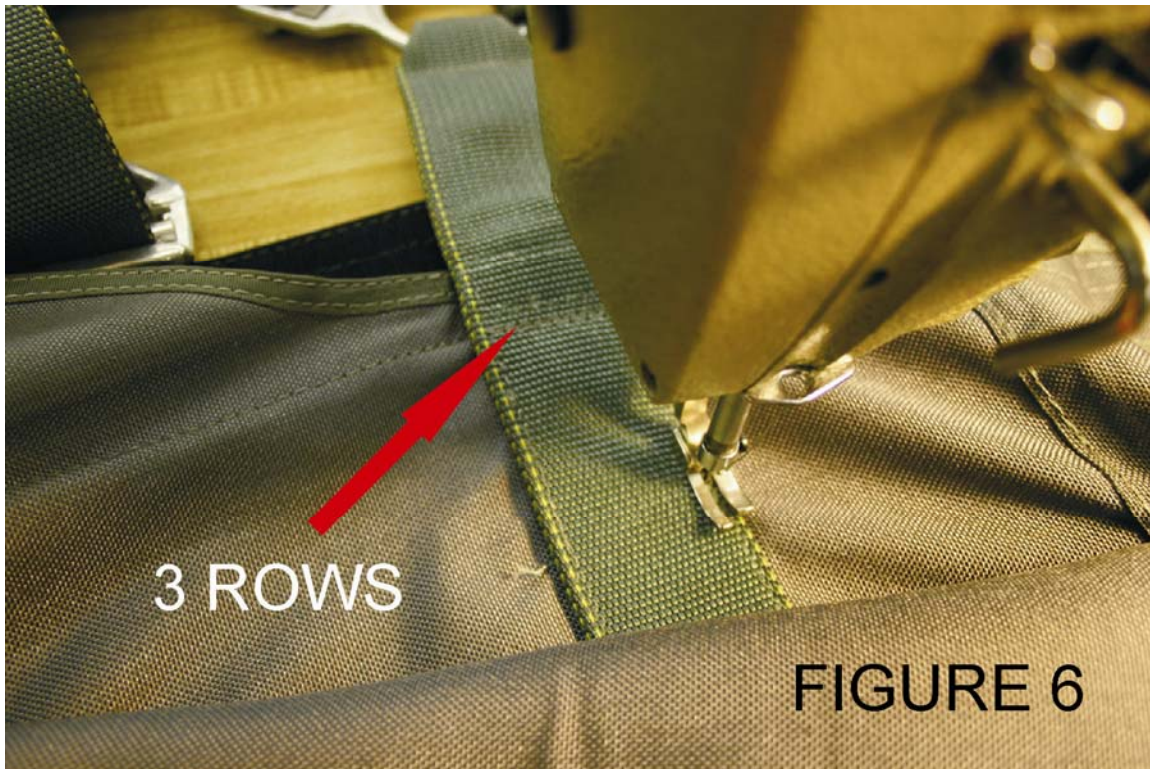
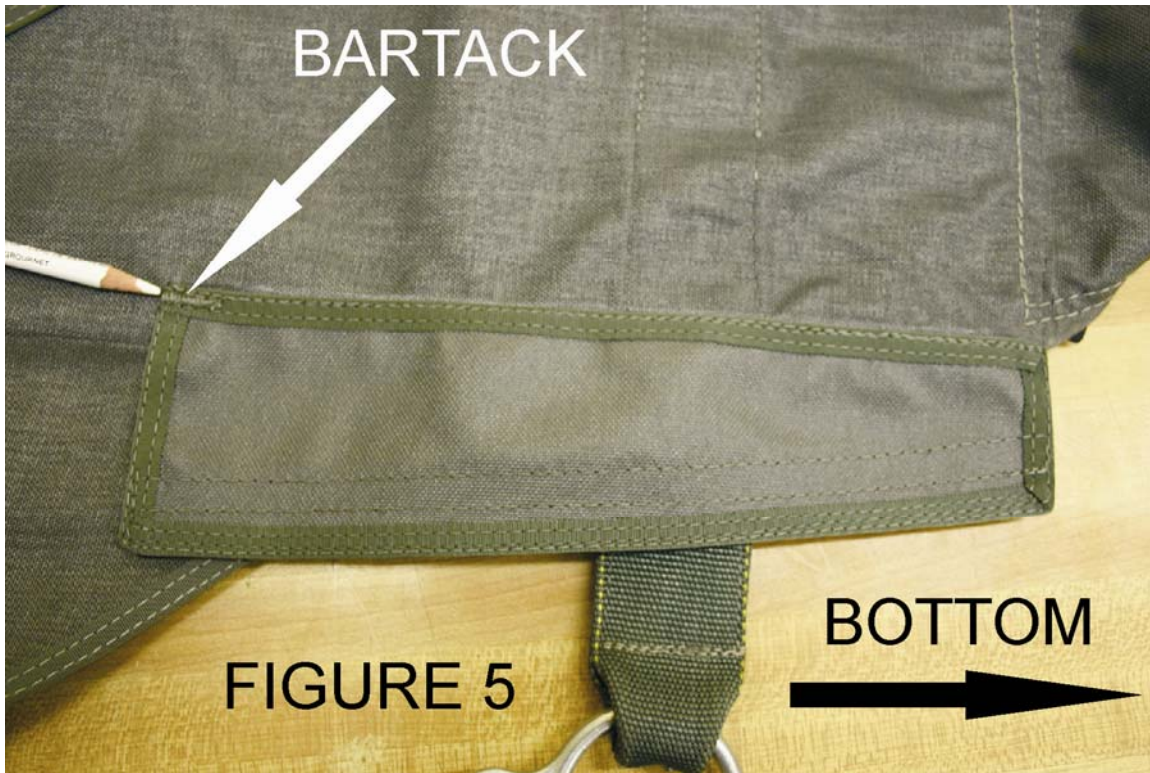




FIGURE 7

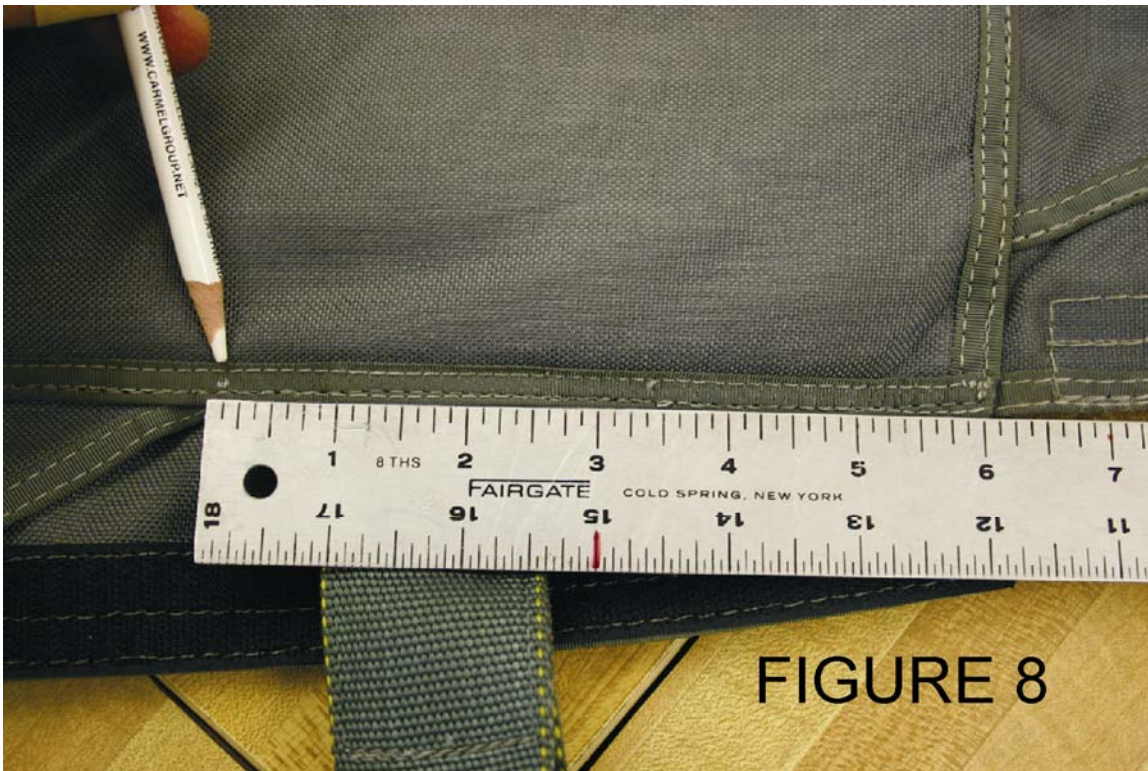


FIGURE 8



FIGURE 9



FIGURE 10