



# Product Modification Procedure

**PROCEDURE#:** PMP-1253    **NUMBER OF PAGES:** 3    **DATE:** March 1, 2000

**TITLE:** Main riser anti-twist housing modification

**SERVICE BULLETIN REF:** N/A

**APPLICABLE PRODUCTS:** All RI main riser configurations except Classic/Classic Pro.

**DESCRIPTION:** Installation of short metal housings on the rear of the main riser to prevent pinching or trapping the 3-ring release cable in the event of severe line twist of the main canopy which may prevent a cutaway.

**AUTHORIZED REPAIRMEN:** FAA Senior Parachute Rigger or foreign equivalent.

**MATERIALS:**

1. PMP-1253 Installation kit

**MACHINES:**

- 301 Straight Stitch - Medium Duty

**EQUIPMENT:**

1. Seam Ripper
2. Marking Pencil
3. Ruler
4. Hand tacking needle

## **PROCEDURE**

**1.0: DISASSEMBLY:**

1.1 Note: The standard riser cable channel made of 3/4" Ty-3 tape found on most risers is generally not wide enough to accept the installation of the housings. Therefore replacement of the channel with 1" Ty-3 is usually necessary. If you cannot insert the housing into the existing channel, then replacement is necessary as follows:

1.2 Remove the existing channels.

**2.0 REASSEMBLY:**

2.1 Install the 1" Ty-3 channels with a single needle machine according to Fig. 1. Backstitch the open ends and triple stitch the top end as shown.

2.2 Insert the housings so that they are even with the mouth of the channel. Make sure that the open end is at the opening of the channel. The other end is plugged so the end of the cable is not trapped.

- 2.3 Hand tack the housings in place as per Fig 1 with two turns of supertack single.
- 2.4 Install the release handle in the rig and hookup the main risers. Check the length of the cable against the length of the housing. If necessary, trim the cables to fit. If an RSL is used, make sure there is sufficient length differential according to the rig manufacturers recommendations so that the RSL side will release last.

**3.0 INSPECTION:**

- 3.1 Channels installed correctly.
- 3.2 Housing opening even with the mouth of the channel.
- 3.3 Hand tack secure.
- 3.4 Release cable trimmed to correct length and ends sealed.

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