

PSB#120393

Relative Workshop Vector RSL Retro-fit
December 3, 1993

SUBJECT: RELATIVE WORKSHOP VECTOR RSL RETRO-FIT

STATUS: ADVISORY

IDENTIFICATION: Relative Workshop Vector and Wonderhog Vector pack and harness assemblies.

BACKGROUND: In response to a directive from the Australian Parachute Federation requiring certain categories of parachutist's to use equipment which either:
(a) incorporates an AAD, or
(b) a RSL
the Relative Workshop has authorised the APF Director Rigging to examine APF Riggers, and, where appropriate, certify such riggers to undertake retro-fit of RSLs to Relative Workshop Vector parachutes. Note: The Relative Workshop do not authorise the retro-fit of a RSL to Vector parachutes which have type 17 mini 3-risers. These will need to be changed to type 8 mini 3-ring risers as part of the retrofit.

INSTALLATION
PROCEDURE: The following parts will be required to accomplish the installation:
- Vector Reserve Ripcord for RSL
- Housing MS70104-3, 500mm (20") length
- Vector RSL or parts necessary to manufacturer (see Fig 1) - Ring RW-3 mini ring system medium ring x 1
- Ring RW-4 mini ring system small ring x 1 -Webbing NM-W-4088 T1 400mm (18") - Webbing MII-T-5038 T4 200mm (9")
- Velcro hook and pile 25mm, as required
- Thread, nylon, size "E" or commercial equivalent - Type 8 3-ring risers, if necessary

Step 1. By reference to Fig. 1 following, cut and assemble the component parts necessary to install the Vector RSL.

Step 2. Install the guide ring assembly to the No.5 flap using two bar tacks or 308 zigzag stitch as shown in Fig.2 following. Stitch the "yellow" velcro hook to this flap where shown. Enlarge reserve housing loop (see step 6 note).

Step 3. Un-pick the top right corner of the reserve top flap by 25mm (1") as shown in detail A to Fig. 3 to allow the "RSL velcro track" to be installed.

Step 4. Install the "RSL velcro track" to the RH side of the yoke as illustrated in Fig.3. Note: The track is sewn where shown with dotted lines with an unsupported "bridge" over the cutaway housing. Fold the velcro/tape under where shown so the "velcro track" ends up under the corner of the top flap. Narrower Vectors will require a sharp bend with the wider models requiring less of a bend. See detail A Fig.3.

Step 5. Bar tack (or zig-zag) the end of the bridge under the reserve top flap as illustrated in detail A to Fig.3. Trim off excess length. At the same time bar tack (or zig-zag) top corner of the reserve top flap 15mm (5/8") back from the corner. Restore 301 stitching where shown.

Step 6. Install a standard 20 inch MS70104-3 ripcord housing in place of the existing small diameter housing. It may be necessary to replace the webbing loops that locate the housing ends to accept the larger diameter housing.

Note: This is necessary to allow the reserve ripcord specifically designed for the RSL to pass through the housing.

Step 7. Modify the right main 3-ring riser to install the small RSL ring as illustrated in Fig.4. The location of the ring depends on whether it's a 'regular' or 'mini' ring riser.

Note: The Relative Workshop only authorises the installation of a RSL to Vector's which have:

(a) regular 3-ring risers with type 8 webbing, and

(b) mini 3-ring risers with type 8 webbing.

They do not authorise the installation of a RSL to Vector's which use mini 3-ring risers with type 17 webbing.

shall, APF POLICY: Riggers seeking authorisation shall submit for assessment, a Vector incorporating a RSL they have personally installed. The Director Rigging subject to inspection, provide a letter to the Rigger, on behalf of the manufacturer, authorising the Rigger to undertake Vector RSL retro-fits.

EFFECTIVE DATE: 3 December 1993

AUTHORITY: APF Director Riggers through The Relative Workshop.
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DISTRIBUTION: All APF Riggers

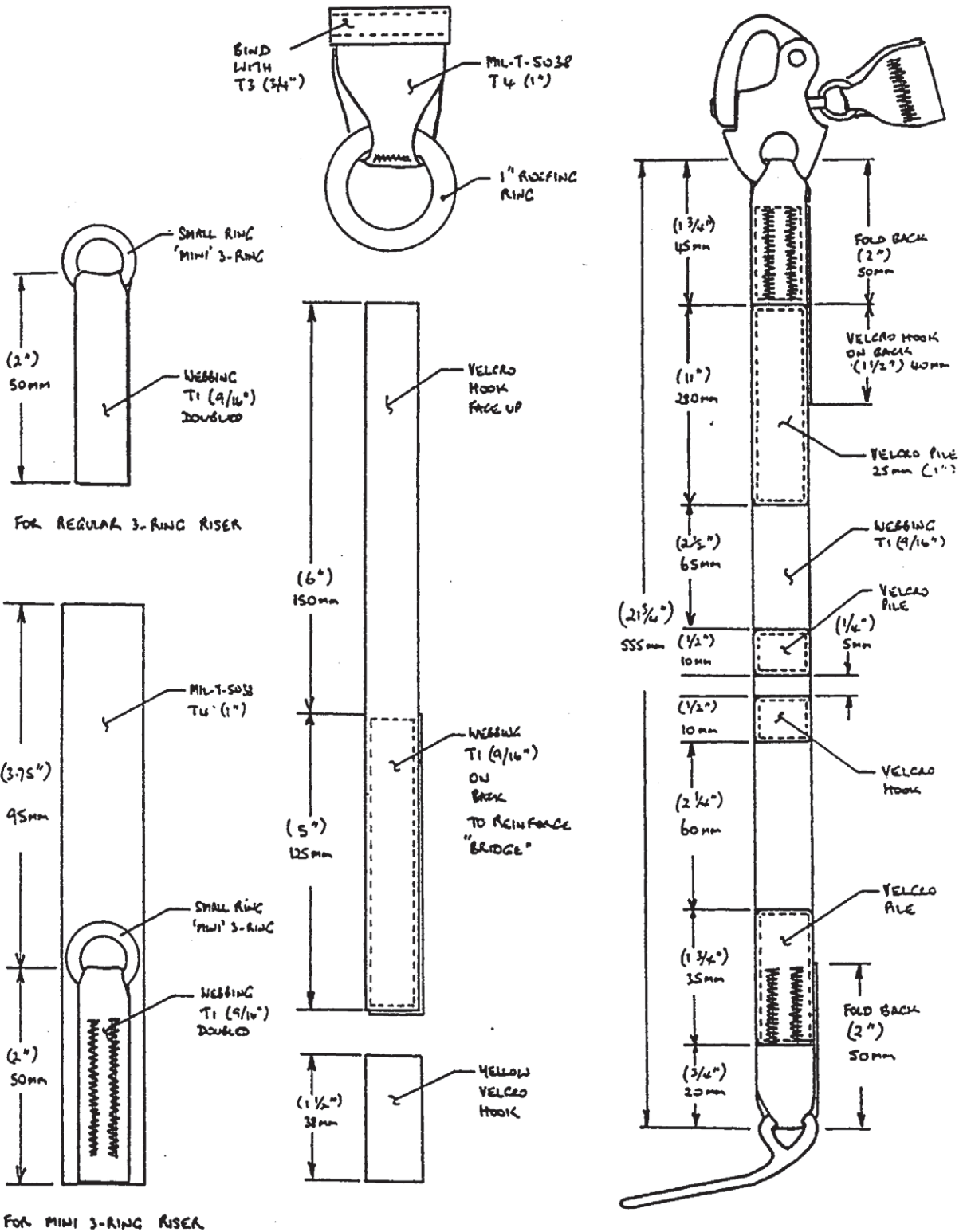


Fig. 1

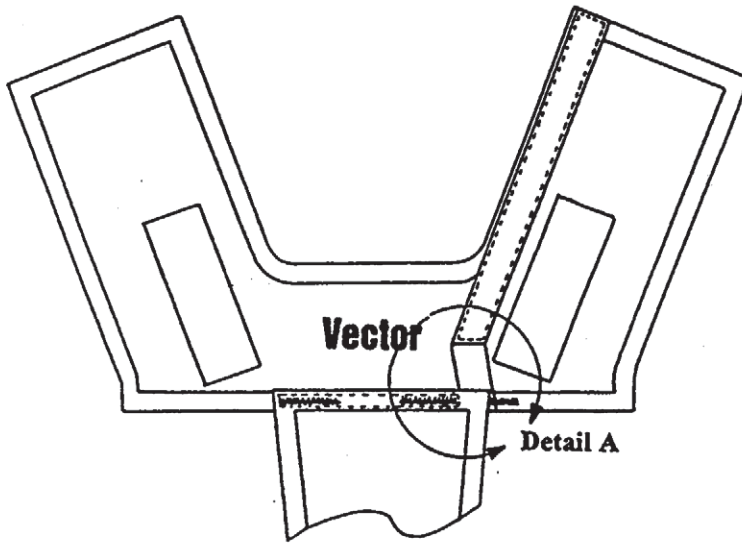


Fig. 3

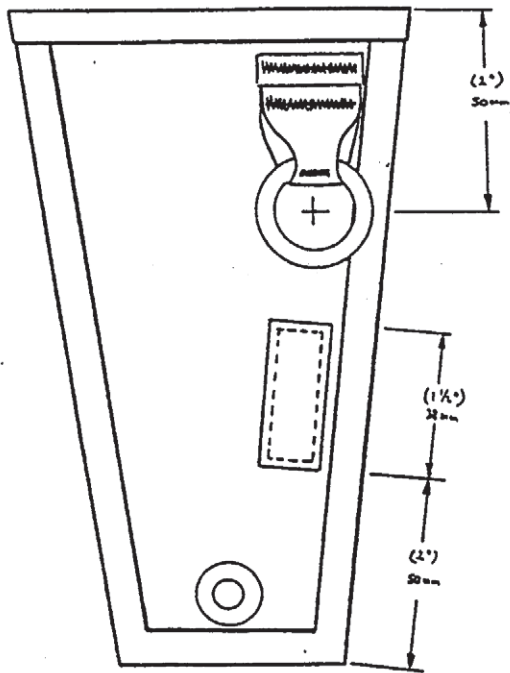
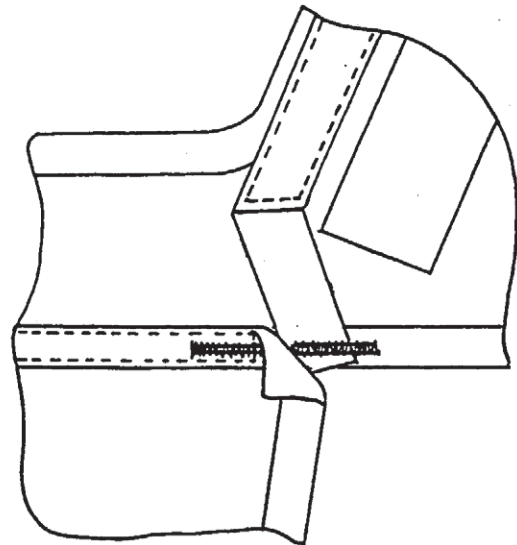


Fig. 2



Detail A, Fig. 3

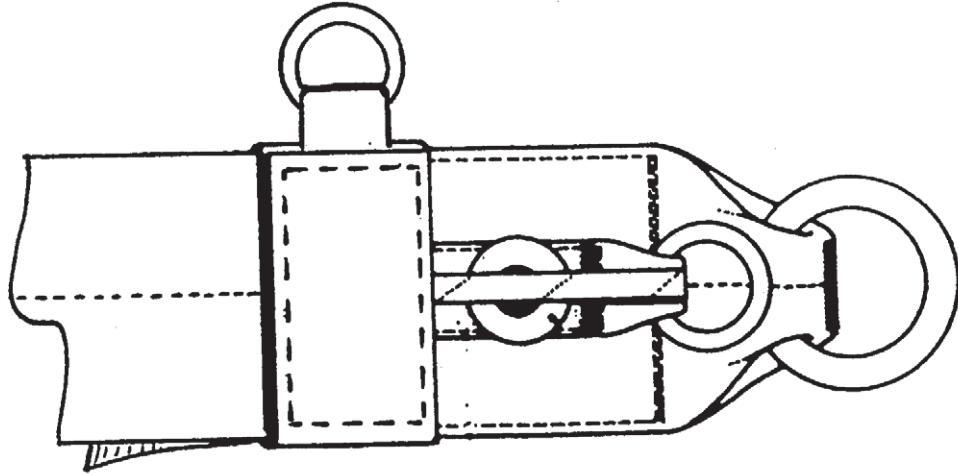


Fig. 4 (type 8 mini 3-ring riser)

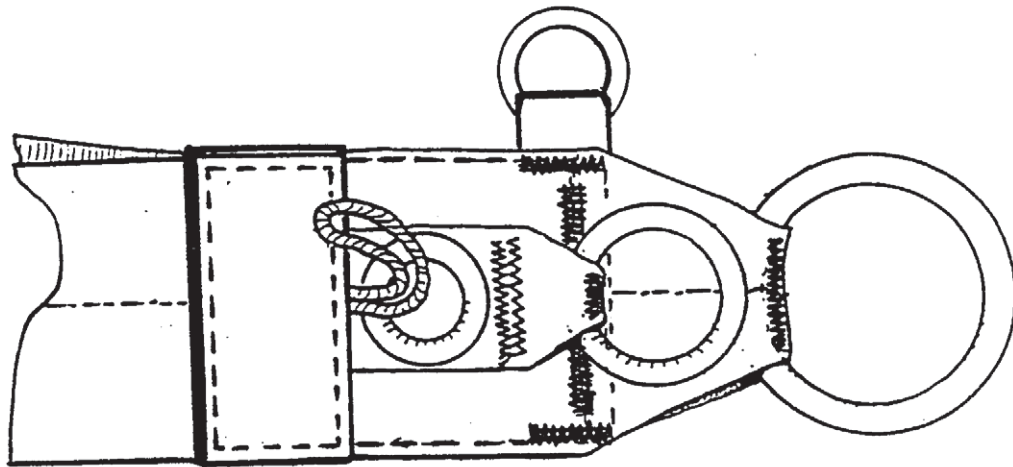


Fig. 4 (regular 3-ring riser)