



RIGGING ADVISORY CIRCULAR

Issue Date: 01 May 1998

RAC No. 609 Rev. A

SUBJECT: VECTOR TANDEM AUTOMATIC RISER RELEASE LANYARD INSTALLATION "COLLINS LANYARD"

STATUS: Mandatory installation. Use of RSL is also mandatory. This Product Service Bulletin supersedes PSB-071897. (See APF policy for status in Australia).

IDENTIFICATION: All Relative Workshop (RWS) Vector Tandem Systems Worldwide.

BACKGROUND: RWS has had three main riser failures since 1994. Since the beginning of the tandem program, there have been approximately two million tandem jumps on Tandem Vectors worldwide. Main riser breakage is very rare, but it can happen. If the right riser breaks or prematurely releases for whatever reason, the RSL may deploy the reserve, possibly creating a two canopy entanglement. The "Automatic Riser Release Lanyard" was designed to minimise the risk of this potential entanglement by automatically releasing the left riser.

MANUFACTURER
ADVISORY: This is a Patent-Pending retro-fit system for Tandem Vector Systems already in the field. This lanyard can only be used on Tandem Vector Systems. Only original RWS lanyards are to be used. The retail price is US \$12.00 and they can be ordered through RWS or one of its authorised dealers.

Installation procedure: Beginning with a correctly assembled main canopy which is ready for packing:

- 1) Reference Figure 4. Measure Dimension X. It should be 7.5 inches +/- 1/2 inch (189mm +/- 11mm). Be sure your system falls within this tolerance. (If not, RWS can build you a custom lanyard).
- 2) Disconnect the Rapide link of the right-front main riser.
- 3) Slide the large loop of the lanyard over the front leg of the riser, and only the front riser. Slide the lanyard all the way down to the confluence wrap above the rings. (Figure 4).
- 4) Reattach the front riser's Rapide link. Inspect line continuity.
- 5) Hand tack the lanyard to the side of the riser using waxed, heavy tacking cord. (Figure 4A).
- 6) Inset only the long cutaway cable leading to the left riser through the small loop of the lanyard. DO NOT insert both cables. (Figure 4B).



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7) The yellow hook Velcro attached to the lanyard is mated with existing cutaway handle pocket Velcro, behind cutaway handle. (Figure 4B).

8) Make sure that slack in the lanyard is placed behind main lift web. (Figure 4).

Special Note: Lanyard is placed on top of everything during installation. Routing is direct from riser to cutaway cable. Excess lanyard is stowed behind the main lift web after installation.

Qualified Personnel: Certificated rigger (APF Packer A) may install this lanyard.

APF POLICY: Mandatory if RSL is connected.

Not mandatory if RSL is disabled or removed provided a functional AAD is installed. Op Reg 5.8.12 and 5.8.13 refers.

COMPLIANCE DATE: 1 June 1998

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DISTRIBUTION: All APF Packers and Riggers
Tandem Vector System owners



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