



RIGGING ADVISORY CIRCULAR

Issue Date: 01 July 1997

RAC No. 823 Rev. B

SUBJECT: GENERIC ONE PIN RESERVE RSL RETRO-FIT

STATUS: RECOMMENDED

IDENTIFICATION: The Parachutes Australia and Rigging Innovations Talon are known to be suitable. The Relative Workshop Vector is suitable to have the RSL described in RAC 820 or that described in this RAC (ie RAC 823 Rev B). Other equipment may also be suitable.

BACKGROUND: Ray Ferrell of Action Air Parachutes had the generic RSL described in RAC 823 Rev A approved by the United States FAA for retrofitting to back mounted dual container sport parachute equipment which has a single pin reserve where the relationship of the reserve ripcord housing to the reserve ripcord pin is consistent with the diagram in this RAC.

Revision B of this RAC incorporates several changes that improve the RSL described in Revision A. These being:

- (a) Addition of a 2nd guide ring between the housing and grommet
- (b) Permanent installation of the mini ring to the main riser
- (c) Permits only stainless steel (not brass) snap shackle

APF POLICY: Where the manufacturer has prescribed how to install a RSL it is recommended that the manufacturer's specifications be followed.

Where a RSL has been installed as described in Revision A of this RAC it is recommended it be upgraded to comply with Revision B.

This RSL installation **is not** suitable for equipment with older Type 17 mini-risers without coloured reinforcement tape. RAC 815 refers.

Where there is doubt as to the suitability of the following instructions, for a particular installation, details of the equipment shall be provided to the APF Director Rigging to determine its suitability or otherwise.

PARTS LIST:

- (1) Snap shackle release, French stainless steel (**not** brass) type, qty 1
- (2) Nylon Mil-T-5038 type IV, 5/8 inch (X in note 1)
- (3) Thread, nylon V-T-295 size "E" or equivalent, as required
- (4) Mini ring, RW8, qty 4
- (5) Velcro loop, 12.5mm (Y in note 2)
- (6) Nylon tape, MIL-T-5038 type IV, 5/8, or webbing MIL-T-4088 type 1, 9/16 inch, 75mm length
- (7) Nylon Mil-T-5038 type IV, 1 inch, 145mm length
- (8) Velcro, hook 12.5mm (Y in note 2)



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Note 1: X = Measurement from 50mm above harness ring to point of riser entry into the reserve container, plus 150mm.

Note 2: Y = Measurement from 50mm above harness ring to point of riser entry into the reserve container.

RSL INSTALLATION INSTRUCTIONS:

Sew hook velcro to the left reserve riser with a 301 lock stitch.

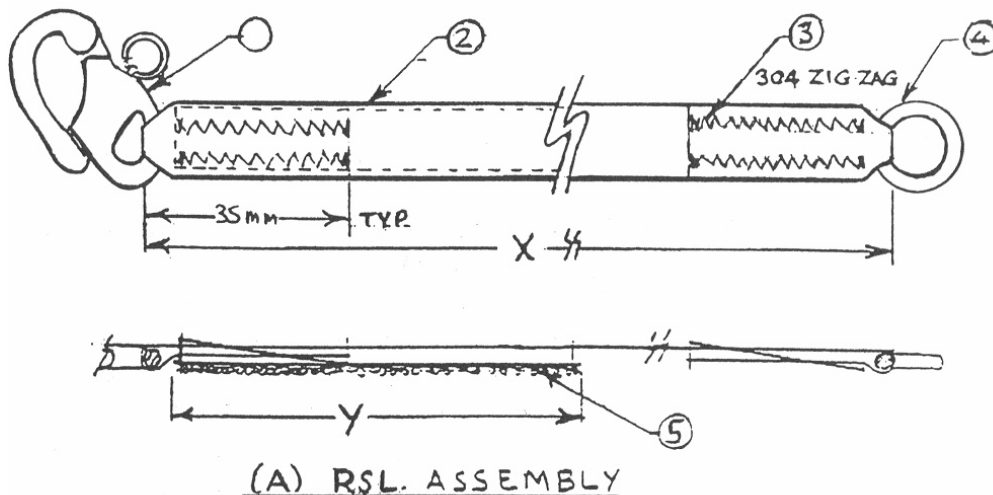
Attach the RSL assembly at the reserve container top flap by routing the reserve ripcord from the housing through the guide ring closest to the housing then through the RSL ring, then through the guide ring closest to the grommet. Next mate the RSL velcro pile to the velcro on the left reserve riser and connect the snap shackle to the mini ring on the side of the left main riser.

When packing the canopies, ensure that the RSL is routed from the main riser to the reserve ripcord without wrapping around or through any part of the parachute. Tuck the excess length of the RSL under the reserve pin cover flap when closing.

COMPLIANCE DATE: | Not applicable

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DISTRIBUTION: APF Packers and Riggers
NZPF Parachute Technicians

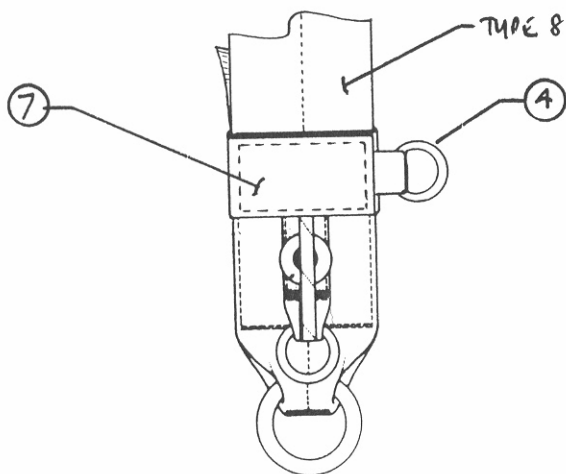
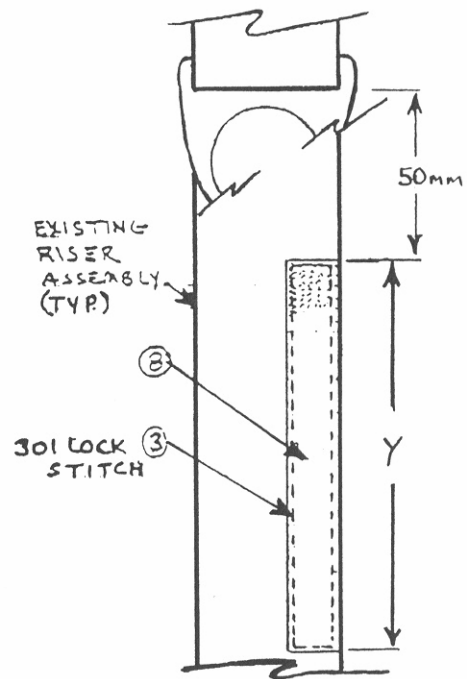
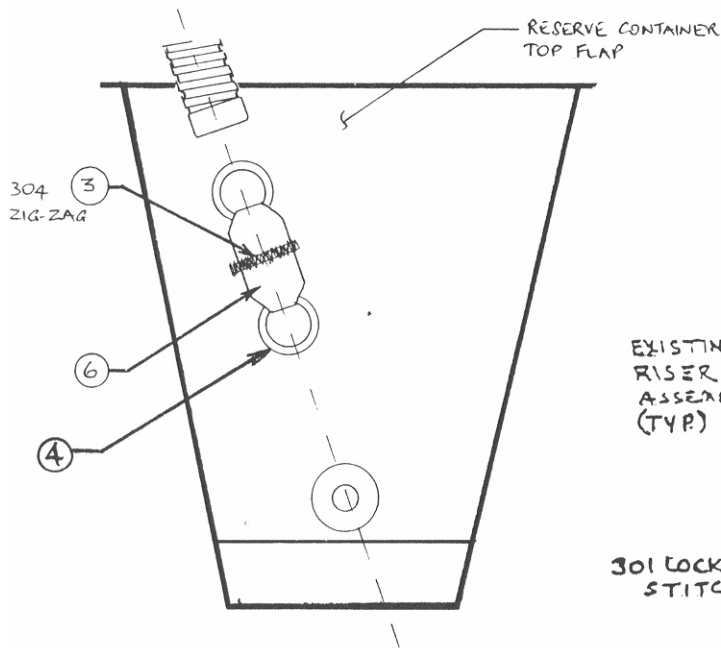




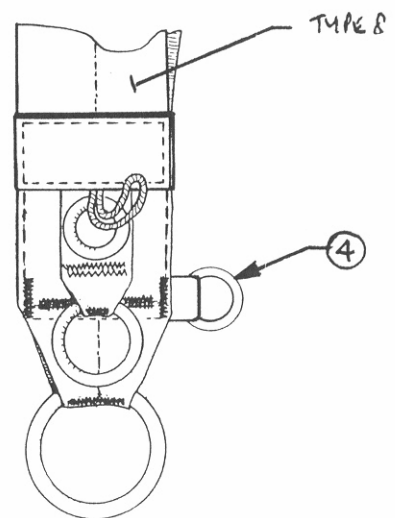
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MINI RING RISER



STD. RING RISER