



PARACHUTES AUSTRALIA

22 Bosci Road,
Ingleburn, N.S.W. AUSTRALIA 2565 Ph: 02 98295355 Fax: 02 98291300

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APPLICABLE PRODUCTS: 1. All '94 TALON and CLASSIC PRO (except T-8 size)

DESCRIPTION: Full Metal 3-Ring Release Housing Retrofit

AUTHORIZED REPAIRMEN: APF Rigger B or above

MATERIALS: Supertack
T3 to T7 11" & 32" metal housings
T0 to T2 11" & 30" metal housings

EQUIPMENT: Xacto knife or seam ripper
Tacking needle
Ruler- 6 inch
Cable cutters, heavy duty (ie. FELCO C7)
Cigarette lighter
Felt tip marking pen

PROCEDURE

1.0 DISASSEMBLY:

- 1.1 Remove reserve canopy before starting. Note: This procedure is best done at the reserve repack.
- 1.2 Remove release handle and save.
- 1.3 Cut zig-zag stitching and remove both soft release housing ends.

2.0 REASSEMBLY:

- 2.1 Install long release housing beginning at left 3-Ring. Insert long release housing into teflon-lined channel. (Fig. 1)
- 2.2 Pull housing out where it exits left shoulder pad - near reserve container. Leave approximately seven inches of the housing exposed below the channel. **Note:** This housing will curve outboard passing under the type 8 harness webbing. Rotate the housing in the channel so that the flat side of the terminal will face the back of riser.
- 2.3 Route housing UNDER THE RESERVE RIPCORD and straight across the top of reserve container.
- 2.4 Insert long housing into teflon-lined channel in right shoulder pad. (Fig. 2)

- 2.5 Continue to feed the long housing down behind the #7 panel below the harness ring. Extend the housing down until it is level with the bottom edge of the chest strap.
- 2.6 Position the short housing down behind the #7 panel placed outboard with the two housing ends even at the bottom.
- 2.7 Tie bottom ends of housings together 25mm from the bottom using Supertack. Make sure the short housing is located to the wearer's right (outboard) and that the flat side of both the terminals face the back of riser.
- 2.8 With bottom ends of release housings 1/2 to 3/4 inch (12mm-18mm) above chest strap, tie both housings together near top edge of 3-ring cover leaving long (8" or longer) tails on the tacking cord. Slide housing ends into the final position which is to be level with the bottom of the type 8 webbing that holds the chest strap adjuster. Both housings should be placed between the 2 layers of the type 8 webbing. It may be necessary to unpick the stitching just to the left of the chest strap adjuster and replace the stitching closer to the adjuster so there is enough space for the housings. Use the supertack tail to tack housings securely to the shoulder pad. The Supertack and knot should be hidden inside the 3-ring cover.
- 2.9 Tack the center of the long housing where it passes under the top reserve flap to the backpad. (Fig. 3) This ensures that it cannot get snagged during reserve deployment.
- 2.10 Measure and trim the release cables. **Note: This procedure is a two person job.**
 - 2.10.1 Install release cables through chest strap and metal release housings.
 - 2.10.2 Install main risers.
 - 2.10.3 Have one person put on the harness and sit in a chair while pulling upwards on the main risers to simulate being under the main canopy. (Fig. 4)
 - 2.10.4 The #2 person must pull the release cable ends up to remove slack.
 - 2.10.5 Using the ruler, mark the left side cable at 6" (15cm) from the 3-ring locking loop. (Fig. 5)
 - 2.10.6 Mark the right release cable at 5" (12.5cm) from the 3-ring locking loop.
 - 2.10.7 Pull release handle slowly. The mark on the right cable must reach the locking loop before the left mark reaches its locking loop.
 - 2.10.8 Trim the release cables to correct lengths and melt ends with the lighter until smooth and tapered.

3.0 INSPECTION:

- 3.1 Release housings tied together at handle end.
Release housings tied together just below top edge of right side 3-ring cover.
Release housings tacked to right shoulder pad. No float.
Release housings level with the bottom and between the 2 layers of the type 8 chest strap adjuster webbing
- 3.2 Release cables to correct lengths and side/side differential.
- 3.3 Cable ends finished and smooth.
- 3.4 Release cables routed through the chest strap and then into the cable housings.



FIG. 1



FIG. 2



FIG. 3



FIG. 4



FIG. 5