



# RIGGING ADVISORY CIRCULAR

Issue Date: 01 December 1991

RAC No. 422 Rev. A

SUBJECT: SWEETHOG DUECE TWO-PIN RESERVE CONTAINERS -  
ADDITION OF RESERVE RIPCORD HOUSING STIFFENER  
PLATE

STATUS: RECOMMENDED

IDENTIFICATION: Stewart Systems Sweethog Duece containers P/N SC0001D,  
SC0001D-1 (Two pin reserve ripcord configuration), S/N 0415 to  
905962, dates of manufacture 1 October 1982 to 31 September 1989.  
(Note: single pin ripcord configuration containers, P/N SC0001E, are  
not affected.)

MANUFACTURER'S ADVICE: See pages 2-5 of this RAC

APF policy: As manufacturer's advice

EFFECTIVE DATE: Immediately

AUTHORITY: Manufacturer's advice:  
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APF Policy:  
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## SERVICE BULLETIN SB-103

**Issue date:** January 19, 1990

**Subject:** Addition of reserve ripcord housing stiffener plate to 2-pin reserve containers.

**Status:** Recommended.

**Identification:** Sweethog "Duece" containers P/N SC0001D, SC0001D-1 (Two pin reserve ripcord configuration), S/N 0415 through 905962, Dates of manufacture October 1, 1982 through September 31, 1989. (Note: single pin ripcord configuration containers, P/N SC0001E, are **not** affected.)

**Background:** This modification helps maintain proper spacing between the end of the reserve ripcord housing and the side flap grommet, in the event the container top corners are not filled properly by the packed parachute canopy. It reduces the possibility of the ripcord housing sliding toward the container grommet, potentially causing the ripcord pin shank to lodge against the housing, increasing pull force. It should be noted that this modification does not eliminate or reduce the need for proper filling of the container by the packed canopy, proper canopy versus container volume sizing, adequate grommet alignment, proper closing loop length, or testing of the actual ripcord pull force by the rigger. It is meant to provide additional margin in certain circumstances.

**Service bulletin:** Install stiffener plate as per attached documentation. This work must be performed by a FAA Master Rigger. A notation should be made on the reserve data card, as well as in the Rigger's log, when the modification is performed. The stiffener plate may be fabricated by the rigger per the attached specifications, or ordered from SSK Industries, ready to install, for \$5.00 post-paid in the continental U.S. Alternatively, the system may be returned to SSK Industries. Charges will be based on materials, labor, and shipping costs. Materials will be supplied, and the work done free of charge by SSK on equipment manufactured during the last two years.

**Compliance:** It is recommended that this modification be performed on the next scheduled repack cycle.

**Authority:** Cliff Schmucker, General Manager

**Distribution:** USPA, Parachutist Magazine, Skydiving, Canpara Magazine, PIA Para-Newsbrief, Dealers, registered owners, Para Publishing, Riggers Sourcebook, PIA Riggers Convention binder.



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## Housing Stiffener Installation Procedure:

- 1.0 Remove the original housing hand tacking and the side flap grommet.
- 2.0 Grommet the stiffener plate in place on the inside of the container side flap using a #0 spur grommet.
- 3.0 Machine stitch both sides of the stiffener plate to the container, 1/16 to 1/8" from the sides, using 'E' thread, with 301 type stitch, at 6-10 stitches per inch. Back stitch start and stop areas to secure.
- 4.0 Hand stitch the housing in place using doubled, waxed 'super tack' or waxed 5-cord as follows:
  - 4.1 Make one complete turn around the housing end ferrule through the first set of holes in the stiffener plate. Secure with surgeon's knot and a locking knot.
  - 4.2 Continue hand tacking with one turn of the doubled thread in each groove of the housing, continuous for 5 groves. Note that the last turn and a half extend past the end of the stiffener plate, and do not go through the plate itself.
  - 4.3 Continue back to the beginning of the housing by making a second turn in groves 5, 3, and 1.
  - 4.4 Finally, place a second turn around the housing end ferrule.
  - 4.5 Secure again with the original loose end of the doubled thread using a second surgeon's knot and a locking knot.
- 5.0 Verify the 2-3/4" distance from the housing end to the center of the grommet.
- 6.0 Note the modification on the packing data card and in the Rigger's Log Book.



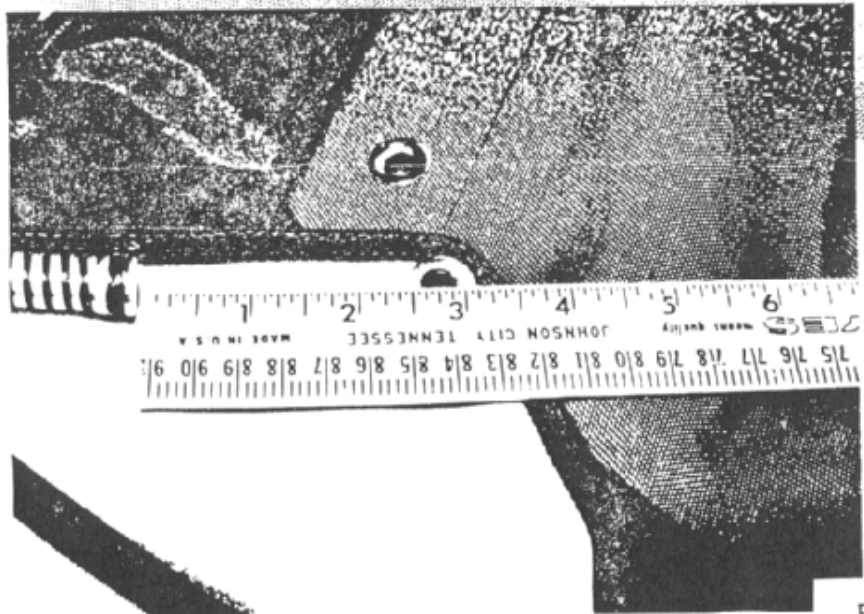
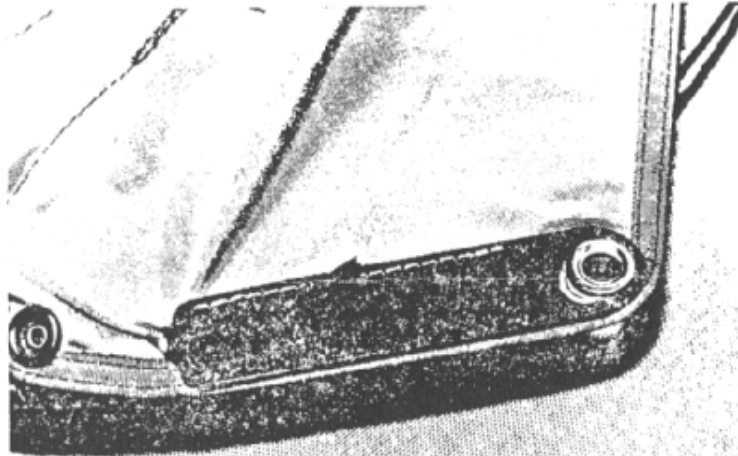
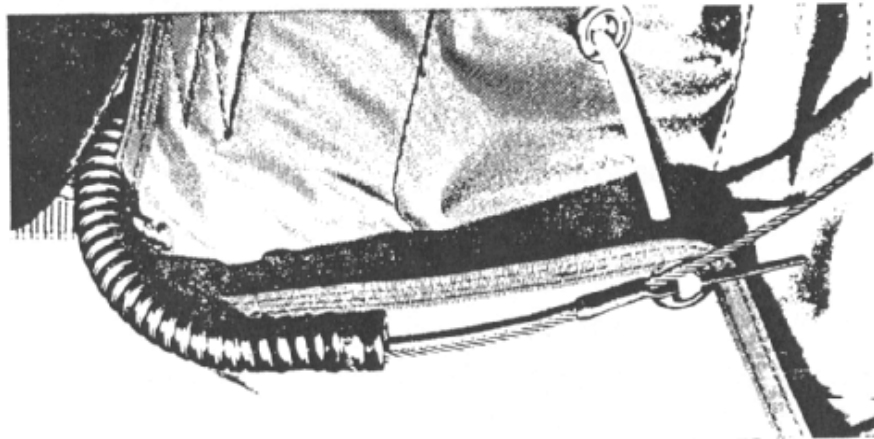
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