236-A EAST THIRD ST. P.O. BOX 896 PERRIS, CA 9237O U.S.A.



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TALON SKYHOOK PILOT CHUTE SERVICE BULLETIN

DATE: April 25, 1991

SERVICE BULLETIN #: 1513

SUBJECT: TALON SKYHOOK PILOT CHUTE

TALONETTE HARNESS/CONTAINERS

STATUS: MANDATORY

IDENTIFICATION: Skyhook Pilot Chute P/N 2233

Talon harness/container models B-/4 & B-/6 Manfactured from Feb 1988 to present. See enclosed list for affected Serial Numbers.

BACKGROUND: On April 20, 1991, an incident occured which resulted in a total pack closure of the main with a pull-out deployment system. Upon activating the reserve ripcord, the individual experienced a pack closure on the reserve. After reaching back and pulling on the container, the reserve deployed at approximately 400' AGL, resulting in a total inversion of the round reserve and extensive damage to the canopy. However the individual landed safely. The equipment was subsequently taken to the harness/container manufacturer for examination. Upon close examination, the manufacturer was able to duplicate the situation in the loft. Additional testing indicates the cause of the problem to be a sub-standard spring in the Skyhook pilotchute.

In repacking the Talon, further investigation revealed the situation to manifest itself only when the main container is full as in a total malfunction. This appears to be primarily as a result of the tension placed on the very small and tight containers. As of this date, the problem appears to be limited to the Talonette models B-/4 & B-/6.

Additional tests with the original pilotchute and the main container empty, showed the pilotchute to function with a slight hesitation before clearing the container.

Tests using a new Skyhook with good spring tension functioned properly with the main full or empty.

- <u>SERVICE</u> <u>BULLETIN</u>: Compliance with this Service Bulletin can be accomplished as follows:

SIMPLE FIELD TEST.

With both the main and reserve packed as if to jump, have the owner put the rig on and tighten it down. Lay on a table with the left main lift web off to the side and exposed to allow a free pull of the reserve ripcord. Assume a hard, head back arch and pull the reserve ripcord to activate the pilotchute. If the pilotchute clears the pack, it is of sufficient spring tension. If it does not, return the pilotchute to the manufacturer for replacement.

Upon completion of the tests, for those pilotchutes that pass the test, mark the top of the pilotchute using a felt tip marker with "SB-1513" to denote compliance with the Service Bulletin. Log compliance with the Service Bulletin on the packing data card. Next notify the manufacturer of the serial numbers of both the Talonette and the Skyhook Pilotchute for their records. It should be noted that this procedure can be performed by a qualified rigger and the rig re-closed and sealed without the need for repacking the reserve.

Since additional testing is continuing, it is felt that the Simple Field Test is sufficient to provide for an adequate level of safety based on the facts as currently known. However more comprehensive testing methods will be forthcoming as the investigation continues.

COMPLIANCE DATE: IMMEDIATE, BEFORE THE NEXT JUMP.

<u>AUTHORITY:</u> Any questions concerning this Service Bulletin may be directed to:

SANDY R. REID, PRESIDENT Rigging Innovations Inc. 236 East 3rd St Perris CA 92370 USA TEL: 714-657-1769 FAX: 714-657-0547

DISTRIBUTION:

- 1. All Rigging Innovations Dealers.
- All Parachuting Publications.
- National Aero Clubs
- 4. Military Parachute Organizations

ATTACHMENT:

Talonette Serial Number List.

RIGGING INNOVATIONS INC - SERVICE BULLETIN #1513 TALON B-/ SERIES AFFECTED CONTAINERS 1988-PRESENT

SN					CM
1399	SN	SN	SN	SN	*
1457	1300	2315	2989	3613	
1554 2317 3004 3649 4351 1585 2319 3013 3650 4351 1587 2320 3016 3693 4415 1632 2321 3017 3703 4426 1640 2322 3031 3745 5445 1653 2327 3040 3746 1667 2229 3043 3784 1681 2340 3044 3835 1681 1681 2340 3046 3836 1690 2359 3048 3841 1690 2359 3048 3841 1690 2359 3048 3841 1690 2499 3058 3855 1770 2413 3068 3862 17724 2413 3068 3865 17724 2413 3071 3884 1725 2431 3071 3884 1727 2471 3083 3947 1727 2471 3083 3947 1727 2471 3083 3947 1727 2471 3083 3947 1727 2478 3099 3960 0 17					
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