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 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.

<u>COMPLIANCE DATE:</u>   IMMEDIATE, BEFORE THE NEXT JUMP.

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

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<u>DISTRIBUTION:</u>

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

<u>ATTACHMENT:</u>

Talonette Serial Number List.

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

SN	SN	SN	SN	SN
1399	2315	2989	3613	4296
1457	2316	2995	3624	4312
1554	2317	3004	3649	4330
1584	2318	3010	3650	4351
1585	2319	3013	3693	4359
1587	2320	3016	3699	4415
1632	2321	3017	3703	4426
1640	2322	3031	3745	4445
1653	2327	3040	3746	
1667	2329	3043	3784	
1681	2340	3044	3835	
1682	2352	3046	3836	
1690	2359	3048	3841	
1699	2366	3051	3851	
1700	2409	3058	3855	
1717	2413	3068	3862	
1724	2415	3071	3884	
1725	2431	3074	3927	
1727	2471	3083	3947	
1750	2478	3099	3960	
1780	2483	3106	3964	
1785	2493	3114	3975	
1787	2495	3118	3977	
1788	2496	3143	3978	
1789	2497	3147	4034	
1790	2589	3169	4040	
1791	2590	3178	4041	
1793	2599	3216	4044	
1794	2600	3217	4064	
1814	2611	3218	4065	
1818	2652	3219	4067	
1827	2671	3226	4080	
1832	2697	3227	4093	
1833	2714	3228	4102	
1855	2725	3229	4104	
1858	2803	3233	4126	
1868	2833	3239	4129	
1913	2855	3285	4132	
1955	2856	3290	4133	
1988	2860	3300	4140	
2008	2867	3310	4143	
2012	2894	3320	4146	
2039	2895	3375	4154	
2052	2908	3392	4156	
2057	2942	3422	4160	
2213	2951	3433	4161	
2218	2954	3465	4164	
2228	2956	3466	4174	
2238	2957	3467	4184	
2276	2970	3469	4186	
2287	2977	3555		
2298	2982	3560		
2313	2983	3568		
2314	2984	3584		