

Parachute Industry Association Publications
PIA Technical Bulletin 260
AAD / RSL Survey Report

***BACKGROUND:** This Technical Bulletin contains portions of the information contained in the PIA Technical Committee AAD/RSL Survey Report that was initially undertaken in December 1991, to determine the status quo concerning AAD and RSL retrofit installations on TSO'ed harness / container systems. The data from those who responded was presented at the February 1992 PIA meeting. It is meant to be informational in nature, and to be used as a guideline to determine compatibility between the various AADs and Harness / Container systems on the market, and to allow riggers to determine RSL compatibility. It also provides guidelines for riggers to use on equipment where specific AAD or RSL systems are not provided by the harness / container manufacturer, in an attempt to eliminate some of the confusion and inaccurate information circulating in the field concerning such installations.*

***DISCLAIMER:** This Technical Bulletin is based on the responses to an initial questionnaire, of December 19, 1991, and follow-ups and clarification questionnaires, submitted to PIA-member Harness / Container manufacturers. The PIA Technical Committee has made every effort to provide reliable and comprehensive information, however, this report is based solely on the information supplied by the respondents. This Technical Bulletin will be periodically updated, as additions and corrections are received from the respective manufacturers. It is also our desire to include compatibility information from other member harness / container manufacturers, as it becomes available. The Parachute Industry Association makes no endorsement of, nor makes any judgment as to the accuracy or validity of, any of the claims or data presented herein.*

PIA Member Harness / Container Manufacturers who have responded to the Technical Committee Survey and its' subsequent revisions:

1. The Adventure Loft, Inc.
2. Jump Shack - Parachute I-Abs, Inc.
3. Para-Flite Incorporated
4. Para-Phernalia, Inc.
5. The Uninsured Relative Workshop, Inc., d.b.a. Relative Workshop
6. Rigging Innovations, Inc.
7. SSK Industries, Inc.
8. Strong Enterprises
9. Butler Parachute Systems
10. Northern Lite Enterprises, Inc.
11. Parachutes de France S.A.
12. Sunpath Products
13. Parachute Industries of Southern Africa (PTY) LTD
14. Guardian Parachute
19. FliteLine Systems, Inc.
16. Stunts Adventure Equipment
17. Sky Supplies, Inc.
18. Altico, Inc.

Q-1) Is your TSO'ed equipment available with an approved factory set up, (when originally manufactured) for the following items?

A. FXC Model 12000 AAD?

B. SSE MK-2000 / Pinpuller (Pinpusher) AAD?

C. Airtec Cypres AAD?

D. Reserve Static Line systems?

E. SSE MK 2000 / Micro Puller AAD?

F. FXC Astra?

1. Brief Case	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes	
Brief Case Student	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes	
Prestige	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes	
2. Racer	A) yes	B) yes	C) yes	D) yes	E) no	F) yes	
Racer/Elite	A) yes	B) yes	C) yes	D) yes	E) no	F) yes	
Racer Trainer	A) yes	B) yes	C) yes	D) yes	E) no	F) yes	
Elite/ Trainer	A) yes	B) yes	C) yes	D) yes	E) no	F) yes	
Elite/Tandem	A) yes	B) yes	C) yes	D) yes	E) no	F) yes	(Note 7)
3. EOS*	A) no	B) no	C) no	D) yes	E) no	F) no	
Swift II	A) no	B) yes	C) no	D) yes	E) no	F) no	
5. Vector-11	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd	(Note 5)
Student Vector-11	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd	(Note 5)
Tandem Vector-11	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd	(Note 5, 7)
6. Talon	A) yes	B) yes	C) yes	D) yes	E) pnd	F) yes	(Note 5)
Telesis	A) yes	B) yes	C) yes	D) yes	E) pnd	F) yes	(Note 5)
Flexon	A) no	B) no	C) yes	D) yes	E) no	F) yes	
Talon 2	A) no	B) no	C) yes	D) yes	E) no	F) yes	
Telesis 2	A) no	B) no	C) yes	D) yes	E) no	F) yes	
Genera	A) no	B) no	C) yes	D) yes	E) no	F) yes	
7. Sweethog(1-pin res.)	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd	(Note 5)
XN Sweethog	A) no	B) yes	C) yes	D) yes	E) yes	F) pnd	(Note 5)
X-XN Sweethog	A) no	B) no	C) yes	D) yes	E) yes	F) pnd	(Note 5)
Student Sweethog	A) yes	B) yes	C) yes	D) yes	E) no	F) pnd	(Note 5)
8. Dual Hawk Tandem	A) no	B) no	C) yes	D) yes	E) no	F) pnd	(Note 7)
Student Mini Hawk	A) yes	B) yes	C) yes	D) yes	E) no	F) pnd	
Mini Hawk	A) yes	B) yes	C) yes	D) yes	E) no	F) pnd	
Combination Tandem	A) yes	B) no	C) no	D) yes	E) no	F) pnd	
9. (Emergency Parachute Systems)	Yes (non-specific)						
10. Northern Lite III*	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes	
NL III Infinity	A) yes	B) yes	C) yes	D) yes	E) yes	F) N/A	
11. Atom	A) yes	B) no	C) yes	D) yes	E) no	F) pnd	
12. Javelin	A) yes	B) yes	C) yes	D) yes	E) yes	F) no	
13. Naro	A) yes	B) no	C) yes	D) yes	E) no	F) no	
Student Naro	A) yes	B) no	C) yes	D) yes	E) no	F) no	
14. Mach III - Alpha	A) yes	B) no	C) no	D) yes	E) no	F) yes	
15. Reflex	A) no	B) no	C) yes	D) yes	E) no	F) no	
16. Eclipse	A) yes	B) no	C) yes	D) yes	E) no	F) yes	
Eclipse Student System	A) yes	B) no	C) yes	D) yes	E) no	F) yes	
17. Mirage - 1996 +	A) no	B) no	C) yes	D) yes	E) no	F) yes	
18. Dolphin	A) yes	B) yes	C) N/A	D) N/A	E) yes	F) N/A	

Notes: A "*" following the container model name signifies that this system is no longer produced by the particular manufacturer. "N/A" In the above table means that the specific harness / container system always comes with the provisions for the particular item. "pnd" indicates pending further testing.

Note 5: The Micro Puller is currently not compatible with our RSL system.

Note 7: Only the Tandem models of these AADs are approved for use.

Q-2) Can you (as the manufacturer) perform an *approved* retrofit installation (at your factory) for the following Items on your TSO'ed equipment? (Equipment was *not originally built* with the set-up for the *particular item*).

A. FXC Model 12000 AAD?

C. Airtec Cypres AAD?

E. SSE MK-2000 / Micro Puller AAD?

B. SSE MK-2000 / Pinpuller (Pinpusher) AAD?

D. Reserve Static Line systems?

F. ASTRA

1. Brief Case	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes
Brief Case Student	A) yes	B) yes	C) yes	D) N/A	E) yes	F) yes
Prestige	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes
2. Racer	A) yes	B) yes	C) yes	D) yes	E) no	F) yes
Racer/Elite	A) yes	B) yes	C) yes	D) yes	E) no	F) yes
Racer Trainer	A) yes	B) yes	C) yes	D) N/A	E) no	F) yes
Elite/Trainer	A) yes	B) yes	C) yes	D) N/A	E) no	F) yes
Elite/Tandem	A) yes	B) yes	C) yes	D) N/A	E) no	F) yes Note 7
3. EOS*	A) no	B) no	C) no	D) N/A	E) no	F) no
Swift II	A) no	B) yes	C) no	D) yes	E) no	F) no
4. Northern Lite *	A) yes	B) yes	C) no	D) yes	E) no	F) no
5. WonderHog II *	A) yes	B) yes	C) no	D) no	E) no	F) pnd
Vector *	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd Note 5
Vector-11	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd Note 5
Student Vector *	A) yes	B) yes	C) yes	D) N/A	E) pnd	F) pnd Note 5
Student Vector-11	A) yes	B) yes	C) yes	D) N/A	E) pnd	F) pnd Note 5
Tandem Vector *	A) yes	B) yes	C) yes	D) N/A	E) pnd	F) pnd Note 5,7
Tandem Vector-11	A) yes	B) yes	C) yes	D) N/A	E) pnd	F) pnd Note 5,7
6. Talon	A) no	B) yes	C) yes	D) yes	E) pnd	F) yes Note 5
Telesis	A) N/A	B) yes	C) yes	D) N/A	E) pnd	F) yes Note 5
Flexon	A) no	B) no	C) N/A	D) N/A	E) no	F) yes
Talon 2	A) no	B) no	C) N/A	D) N/A	E) no	F) yes
Telesis 2	A) no	B) no	C) N/A	D) N/A	E) no	F) yes
Genera	A) no	B) no	C) N/A	D) N/A	E) no	F) yes
7. Sweethog (1-pin res.)	A) yes	B) yes	C) yes	D) yes	E) yes	F) pnd Note 5
XN Sweethog	A) no	B) yes	C) yes	D) yes	E) yes	F) pnd Note 5
X-XN Sweethog	A) no	B) no	C) yes	D) yes	E) yes	F) pnd Note 5
Student Sweethog	A) yes	B) yes	C) yes	D) N/A	E) no	F) pnd Note 5
Duece, Runt, and Sweethog-II (2-pin res.)	A) no	B) no	C) yes	D) no	E) no	F) pnd
8. Dual Hawk Tandem	A) no	B) no	C) yes	D) N/A	E) no	F) pnd Note 7
Student Mini Hawk	A) N/A	B) N/A	C) yes	D) N/A	E) no	F) pnd
Mini Hawk	A) N/A	B) N/A	C) yes	D) N/A	E) no	F) pnd
Combination Tandem	A) N/A	B) N/A	C) yes	D) N/A	E) no	F) pnd
9. (Emergency Parachute Systems) Yes (non-specific)						
10. Northern Lite III	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes
NL Infinity	A) yes	B) yes	C) N/A	D) N/A	E) yes	F) N/A
11. Atom	A) yes	B) no	C) yes	D) yes	E) no	F) pnd
Jaguar, Requin*	A) yes	B) no	C) no	D) no	E) no	F) pnd
12. Javelin	A) yes	B) yes	C) yes	D) yes	E) yes	F) yes
13. Naro	A) yes	B) no	C) yes	D) yes	E) no	F) pnd
Student Naro	A) yes	B) no	C) yes	D) yes	E) no	F) pnd
14. Mach III - Alpha	A) yes	B) no	C) no	D) yes	E) no	F) pnd
15. Reflex	A) no	B) no	C) N/A	D) N/A	E) no	F) yes
16. Eclipse	A) yes	B) no	C) yes	D) yes	E) no	F) yes
Eclipse Student System	A) yes	B) no	C) yes	D) yes	E) no	F) yes
17. Mirage 1996 +	A) no	B) no	C) yes	D) yes	E) no	F) yes
18. Dolphin	A) yes	B) yes	C) N/A	D) N/A	E) yes	F) N/A

Notes: A "*" following the container model name signifies that this system is no longer produced by the particular manufacturer. "N/A" in the above table means that the specific harness / container