

## ***Section 1.0***

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# ***General Information***

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## 1.1 TALON FS CERTIFICATION

The **TALON FS** harness and container system is approved as a minor design change under the original Talon TSO and approved under FAA TSO-C23c, Category B: limited to use by persons up to 116 kg (254 lb.) fully equipped, and up to 150 knots.

### DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**NORTHWEST MOUNTAIN REGION**  
**Western Acft. Cert. Office**  
PO Box 92007  
Los Angeles, CA 90009-2007

AUG 19 1985

Rigging Innovations Inc  
Mr. Sandy R. Reid, President  
236 E. Third St.  
Perris, CA 92370

Gentlemen:                      Rigging Innovations Inc., Talon Dual Parachute Harness & Container Assembly  
Part Number 6111-( ); Technical Standard Order C23c

Your application for authorization to use Technical Standard Order (TSO) procedures, reference your letters dated June 14, 1985, and July 29, 1985 have been reviewed. The certification of conformance with the requirements of the Federal Aviation Regulations (FAR) Part 21, Subpart O, TSO-C23c is acceptable.

The following technical data are considered to fulfill the requirements for TSO authorization and are being retained in our files:

Talon Owner's Manual, dated June 14, 1985  
Rigging Innovations, Inc.  
Test Summary PER 4.3.2.1, TSO-C23c dated July 2, 1985

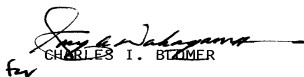
The quality control procedures contained in your quality control manual currently on file at the Manufacturing Inspection District Office in Long Beach, CA, and your statement that those procedures will be applied to the manufacture of subject articles at the above address, are considered adequate in accordance with FAR 21.143.

Effective this date you are authorized to use TSO procedures for the subject dual parachute harness and container assembly and you may identify this article with the applicable TSO markings as required by TSO-C23c.

As a TSO manufacturer, you are required to report any failure, malfunction, of defect related to your TSO in accordance with the provisions of FAR 21.3. You must also notify the FAA when you no longer manufacture a TSO approved article as required by 21.613(b).

This authorization pertains only to manufacturing operations at the above address and this office must be notified in advance of any proposed relocation to preclude interruption while awaiting quality control approval of your new facility.

Sincerely

  
CHARLES I. STOMER

## **1.2 RIGGER QUALIFICATIONS**

To pack and maintain this parachute system, the *FAA Senior or Master Rigger - or foreign equivalent* - must possess a BACK rating endorsement to his or her certificate.

**Since these systems are certified only with square reserve parachutes** the rigger must be trained to pack ram-air parachutes prior to certifying the **TALON FS** system for emergency use.

*14 CFR Part 65.127( )No certificated parachute rigger may –*

- (e) Pack, maintain, or alter a parachute in any manner that deviates from the procedures approved by the administrator OR the manufacturer of the parachute;  
or*
- (f) Exercise the privileges of his certificate and type rating unless he understands the current manufacturer's instructions for the operation involved.*

**ANYONE** who circumvents Rigging Innovations, Inc. instructions is in violation of 14 CFR Part 65.127 and is, therefore, performing an illegal procedure.

### 1.3 "Am I Qualified to Use this Equipment?"

As the new owner of a Rigging Innovations, Inc. **TALON FS** parachute system, before you use it, it is very important that you can answer yes to several questions. Only by doing so can you be assured that you have the necessary training and/or experience to safely utilize modern parachute equipment of this type.

**Question 1:** *Does my experience level and /or training qualify me for using this equipment?*

Advanced equipment such as the **TALON FS** may have features requiring a certain level of experience and training in order to be used safely.

**Question 2:** *Have I been briefed or trained in the operation of this equipment by qualified personnel such as an instructor or licensed rigger?*

If you have progressed to the level where you are qualified to jump advanced equipment, or if you have been trained on other types, there may be certain features of this system that you are unfamiliar with. Make sure that you have received a thorough briefing from a certified instructor or rigger for the type of equipment you are about to jump.

**Question 3:** *Does the equipment fit properly?*

Can you see and / or reach the main deployment handle, 3-ring release handle, reserve ripcord and RSL? This equipment is built in a variety of container sizes, lengths, and widths, and a custom pre-sized harness. These configurations along with options such as pull-out and BOC main deployment, make compatible sizing to the individual extremely important to the safe operation of the system. If the system does not fit properly, the handles may be inaccessible or may move during the jump thereby causing problems in the air.

The above questions have dealt with your ability to safely jump this **RIGGING INNOVATIONS** product only. If you have answered "Yes" to all the questions, you should feel comfortable using R.I. equipment. However, there are additional factors that may influence your decision and ability that do not relate to R.I. products. If you have any questions or feel uneasy about using this harness and container system, do not hesitate to ask a qualified Parachute Instructor, FAA certified parachute rigger for any further information or training you feel necessary. or contact Rigging Innovations at:

Telephone: 520.466.2655 or [tech@rigginginnovations.com](mailto:tech@rigginginnovations.com)

## 1.4 CUSTOMER SERVICE

### **RIGGING INNOVATIONS INC.**

#### **Customer Service Policy and Limits**

##### **Harness and Containers**

RI will provide no charge repair service for repairs that RIGGING INNOVATIONS INC. has determined to result from defects in material or workmanship for a period of **six months from the date of purchase**. Date of purchase and proof of purchase must be supplied to RI by the customer with the item in order to be repaired free of charge.

##### **Safety**

RI will perform all **Mandatory** Service Bulletins, repairs, or modifications due to SAFETY concerns free of charge.

##### **Unauthorized Modifications/Alterations**

RI will charge for repair service when the damage is caused by unauthorized modification or alteration of the product. RI reserves the right to refuse to repair any product so modified or altered.

##### **Improper Use**

RI will charge for repairs that results from improper use or from abuse such as exposure to chemicals, saltwater, improper washing, improper packing, excessive exposure to sunlight, or negligence on the part of the user (i.e. jumping already damaged equipment).

##### **Limits**

RI reserves the right to refuse service on equipment for which materials and / or manufacturing patterns and specifications no longer exist.

##### **Configuration**

Articles sent in for repair should be sent in with all parts. RI may request and require additional information pertaining to the product.

##### **Accessory Part - Replacement**

RI will recommend replacement of component parts based on inspection when safety is a factor due to normal wear and tear or maintenance of the product.

##### **Product Improvement**

Product improvements will be available as an option to customers.

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## 1.6 PARTS LIST

### TABLE I

QUANTITY	DESCRIPTION	Part Number
1	HARNESS/CONTAINER ASSEMBLY	6111-(5)
	CONTAINER ASSEMBLY	4111-(5)
	HARNESS ASSEMBLY (STANDARD/MULTI-FLEX)	5111-(5) 5115-(3)
1	STEALTH RESERVE PILOT CHUTE	2237-( )
1	SQUARE RESERVE FREEBAG AND BRIDLE	2120-( )
1	SAFETY STOW LOOP	2911-(2)
1	RESERVE RIPCORD (metal)	2511-(8)
1	RESERVE RIPCORD (pillow)	2515-( ) 2 or 3
2	RESERVE STEERING TOGGLES	2611-(2)
1	RESERVE CLOSING LOOP	2913-(9)
1	MAIN CLOSING LOOP	2913-(5)
2	MAIN RISERS	2411-(5) b
2	MAIN TOGGLES	2621-(5)a
1	3-RING RELEASE HANDLE	2521-( )
1	MAIN DEPLOYMENT BAG	2130-( )
1	MAIN PILOT CHUTE T.O.P. P.O.P.	2241-( )
		2242-( )
1	MAIN BRIDLE T.O.P.- KILL LINE P.O.P.- KILL LINE	2323-( ) a
		2323-( ) b
1	RSL LANYARD	2811-(8)
1	OWNER'S MANUAL AND REGISTRATION CARD	1311-(5)

**NO SUBSTITUTION OF COMPONENT PARTS IS AUTHORIZED!**