



February 27, 2007

## Reserve Static Line (RSL) and the Javelin/Javelin Odyssey

**Reference:** This letter supersedes SPP letter regarding removal of the reserve static line (RSL) dated 16 May 2005.

### 1. Is the RSL a part of the TSO'ed components of the system?

YES

### 2. Can any or all of the RSL components (example: RSL lanyard, hook Velcro on reserve riser, guide rings on pin flap and main riser RSL ring) be removed from a Javelin/Javelin Odyssey without voiding the TSO?

YES, however the FAA determines this to be an **"alteration"**. This means that only a *master parachute rigger* or the manufacturer can perform this action. (Ref. AC105-2c) Once the *master parachute rigger* or *manufacturer*, removes the requested RSL components in compliance with AC105-2c and manufacturers alteration guidelines, the alteration must be noted on both the packing data card and the master parachute riggers log book or filed with the production files at the manufacturer.  
(See [www.sunpath.com](http://www.sunpath.com), if you would like to register your rig or customers rig with us and permanently file this alteration with the manufacturer.)

### 3. Does removal of the RSL void the TSO?

YES, this only applies if someone OTHER than an FAA master parachute rigger, foreign equivalent or manufacturer removes any or all RSL components, or the removal of the components is not logged on the packing data card appropriately.

### 4. Who can pack a reserve in a Javelin/Javelin Odyssey without a RSL?

As long as a *master parachute rigger* has complied with AC105-2c and the manufacturers alteration guidelines, as well as recorded the alteration appropriately, any senior or master rigger or foreign equivalent can repack the **reserve**.

### 5. Who can pack a main in a Javelin/Javelin Odyssey without a RSL?

As long as a *master parachute rigger* has complied with AC105-2c and the manufacturers alteration guidelines, as well as recorded the alteration appropriately, any senior or master rigger or foreign equivalent, anyone under the supervision of the afore mentioned or the person making the next jump can repack the **main**.

**6. If I am a senior rigger and I get a Javelin/Javelin Odyssey to repack that has any or all RSL components removed, what do I do?**

The senior rigger will need to check the packing data card to see if the appropriate entries have been made. If yes, then the rig is "legal" to be packed by a senior rigger. If not, the rig will need to be taken to a master rigger who can certify that the alteration has been done correctly and note the removal of the components and alteration. The master riggers data card/log book notation is only certifying that the alteration was done correctly if they have not personally performed the alteration.

**7. Who is authorized to remove the RSL and when?**

Only a Master parachute rigger or foreign equivalent or manufacturer can permanently remove the RSL components thus altering from one FAA approved configuration to another FAA approved configuration.

The user can "disengage" the RSL lanyard by disconnecting the snap shackle, if in an emergency situation or to avoid a possible emergency situation ONLY. The owner/jumper (unless a master rigger) is not authorized to permanently remove the RSL lanyard.

Both configurations are filed with the FAA. This guidance serves as reference for fielded systems as well as new assemblies and therefore gives manufacturer approval for the alteration. Recommended RSL alteration guidelines are provide at [www.sunpath.com](http://www.sunpath.com).

Javelin systems manufactured after 1990 have been delivered with the RSL as a standard item. For those few systems that were originally manufactured without an RSL or DOM pre 1990, once confirmed with the production paperwork, a letter can be mailed or emailed as verification of original construction without the RSL and no other paperwork is required as we have a permanent record of the original configuration. This letter should be kept with the packing data card and harness/container for future reference.

Systems manufactured after Feb 2007, come with the RSL/Collins lanyard as standard items. This incorporates the Marine eye reserve ripcord, Reserve Pin with lanyard and the RSL/Collins lanyard.

The Skyhook can be added by the manufacturer as an option by adding the red skyhook lanyard to the RSL/Collins lanyard and corresponding skyhook on the reserve bridle.

An alteration to remove the RSL/Collins lanyard on the post Feb. 2007 rigs will require a terminal pin reserve ripcord which must be replaced with factory TSO'ed components only.

\*\*\* (reference Pg 6. of the Javelin/Javelin Odyssey Owners Manual Rev. 2 Issue 01 March 2007)

Dave Singer  
Engineer  
Sun Path Products, Inc.

Derek Thomas  
President  
Sun Path Products, Inc.

**Sun Path Products, Inc.** \* 4439 Skydive Lane \* Zephyrhills, FL33542  
Phone 813-782-9242 \* FAX 813-788-3057 \* [www.sunpath.com](http://www.sunpath.com)