



To: All Military Javelin (MJ) User Groups - Worldwide
Date: 7 February 2017
From: T.K. DONLE – Technical Director - CPS
Subject: Mandatory – Military Javelin (MJ) – Para Pack-Lined Reserve Containers
Equipment: Military Javelin (MJ) Harness/Container System – All Variants

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### Para Pack-Lined MJ Reserve Containers

Please be advised that *Sun Path Products, Inc.* has released a mandatory, no-cost product improvement advisory, notifying all users of the Military Javelin (MJ) that future production of all MJ harness/container systems will incorporate a "**Para Pack-Lined Reserve Container.**"

The current MJ reserve container is produced with a single layer of 1000 denier Cordura with a clear **polyurethane coating**, which is exposed within the interior of the container. Lining the reserve container with para pack is considered a product "**performance and safety improvement**" for several reasons:

- Polyurethane coatings have been known to degrade over time.
  - Coating degradation may exhibit a tacky surface, or may dry up and peel off.
- A para pack lining will cover the coating to eliminate contact with reserve deployment components.
- A para pack lining will reduce surface friction and wear between the container and the reserve deployment components.
- All other systems provided by CPS have para pack lined containers, which include the...
  - SOV3-HH, SOV3-MM, SOV3-TS, Military Javelin Maritime System (Water Rig), all Javelin and Vector Non-Standard harness/container systems.

Polyurethane coatings, even when they remain in a stable state, induce a certain level of surface friction between the deployment components and the interior surface of the container. Reserve components that come in contact with the interior are the reserve pilot chute, deployment bag and bridle, canopy suspension lines, risers and toggles.

This upgrade will further mitigate friction issues...

- When the jumper's body position is less than ideal.
- When the reserve bag is extracted at a radical angle during an unstable deployment.

However, the primary benefit is the neutralizing effect the lining provides in the rare occurrence of polyurethane degradation that might arise over a 15-20 year lifetime; particularly when the systems are exposed to austere environmental conditions, such as extreme heat, cold and humidity over extended periods, as often experienced by our military clients.

The current 365-day repack cycle, used by many military organizations, is yet another factor that supports the rationale of this product performance and safety enhancement. The durability of the reserve container is also improved as a result. The container would have an extra layer of nylon to protect the reserve canopy in the event of extremely harsh handling or airborne operations.

Additionally, the *Technical Committee* of the *Parachute Industry Association* will be deliberating the release of a *Manufacturer Advisory* to all producers (worldwide) of harness/container systems and related deployment components, supporting this same issue.

If you have any questions regarding this information, please contact my office.

Respectfully,

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Technical Director  
Complete Parachute Solutions, Inc.

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