



Product Design Notice

DOC ID# PDN20171001

To: Military Parachute Lofts and User Groups
Date: October 1, 2017
From: Nat Hill - Technical Director - CPS
Subject: MJ Main Spring Pilot Chute “Product Design Notice”
Equipment: CPS - Military Javelin (MJ) Parachute Systems
Criticality: Informational Memorandum
User Action: None

Background:

In 2007, the existing *MJ Main Spring Pilot Chute* (P/N: CPS-JM001 Rev-0) was modified with a “closed bottom” section above the bridle attachment point (P/N: CPS-JM001-DB-38). The goal of the closed bottom design was to eliminate the collection of ground debris inside the pilot chute (PC) during the post-jump retrieval of the main canopy assembly.

Product Analysis:

Recently, Sun Path Products (SPP) main spring pilot chutes of various generations have been re-evaluated by CPS and SPP. These evaluations have determined that all PC variants perform effectively with regard to launch performance and drag capabilities. The newly designed PC (P/N: CPS-JM001-2), with an open bottom, performed best in all test and evaluation areas.

The new design incorporates direct hand tacking of the main spring to the pilot chute cap, as found on the MJ reserve pilot chute. Additionally, Type 12 webbing was added to the base of the spring to provide additional support and protection of the mesh. Additional bar tacks have been added to the load bearing suspension support tapes as well as a bar tack at the bridle attachment point.

CPS Advisory:

As of October 1, 2017 all newly manufactured MJ Configurations will include the enhanced *Open Bottom Main Spring Pilot Chute*, P/N: CPS-JM001-2.

MJ Harness/Container Systems Affected:

MJ Systems with “*Over-the-Shoulder Main Ripcord Deployment*” are affected by this new product design.

Existing MJ Systems:

MJ Systems **in the field will continue using the MJ Main Spring Pilot Chute** (P/N: CPS-JM001-DB-38) until the PC requires replacement or the service life has been reached.

Any future equipment support requirements will be filled with the enhanced PC (P/N: CPS-JM001-2).

Newly Manufactured MJ Systems:

All newly manufactured **CPS Military Javelin Systems** delivered after October 1, 2017 will be delivered with the enhanced PC, unless specifically requested by the customer when ordering.

Questions regarding this notice may be directed to the CPS Technical Department or your CPS-AE.

Technical Department Contacts:

Nat Hill
Technical Director
nhill@cpsworld.com

Dan Molesky
Technical Coordinator
dmolesky@cpsworld.com