

## Racer Tandem Flex Pin Safety Notice

Issued July 2007

Racer Tandem System owners should inspect the yellow Lolon Flex Pin on the main bridle of their Drogue Bridle Assemblies to ensure a proper crimp (swage) was made in the part. The Flex Pin is attached to the main bridle by means of a “Larks Head Knot” of the loop on the pin to the doubled Type 3 Tape Loop on the bridle.

There have been two reported failures of Flex Pins where the short end of the pin pulled out of the swage, resulting in main total malfunctions and resultant reserve rides. There were no injuries. One of the pins was recovered and returned to Jump Shack for analysis.

The failed piece was swaged incorrectly, with only two crimps instead of three, and not sufficiently crushed. All current production swages get 3 crimps and are tested with a Go/No Go gauge to guarantee a perfect swage.

The Flex Pins in question appear to have been made in 2004 and each had several hundred jumps on them prior to failure. In any case check to make sure Flex Pins have 3 crimps, which can be seen through the black heat shrink covering the swage.

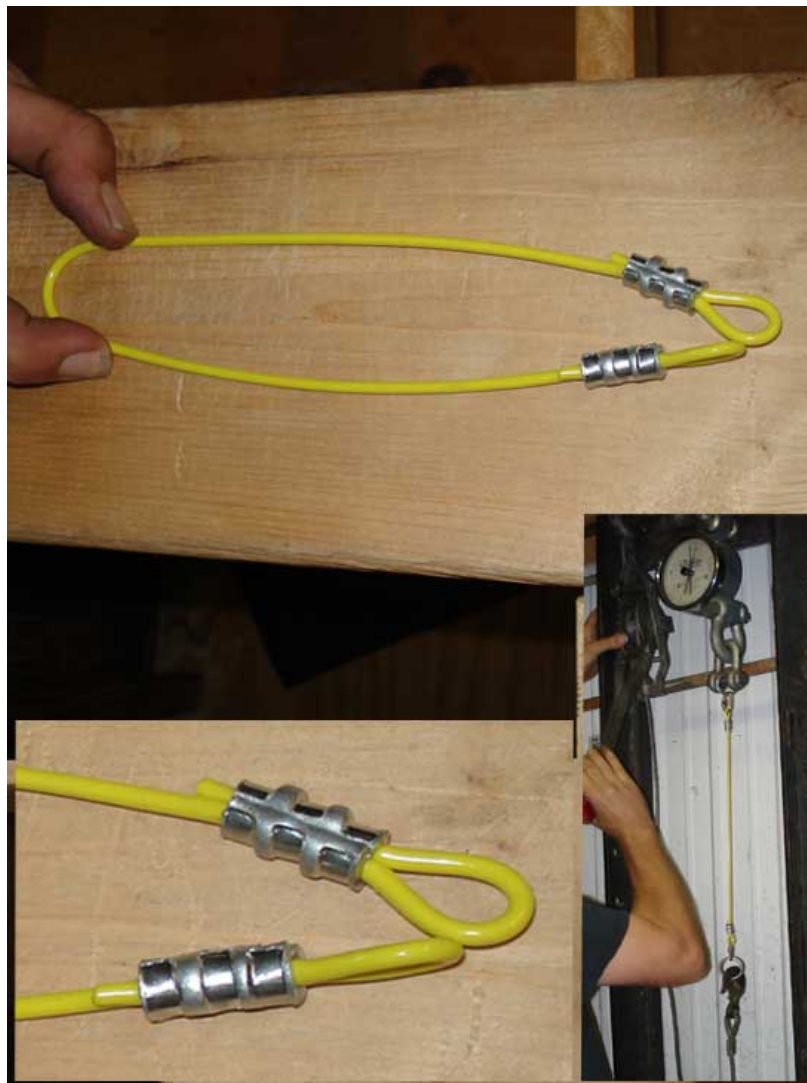


Fig. 1. **Top:** Two Flex Pins are made at once, so that they can be pull-tested on a Dynamometer, to 300 pounds for 3 seconds, the same standard as all reserve pins are pull-tested. **Close-up Left:** Properly crimped (swaged) loop on Flex Pin.

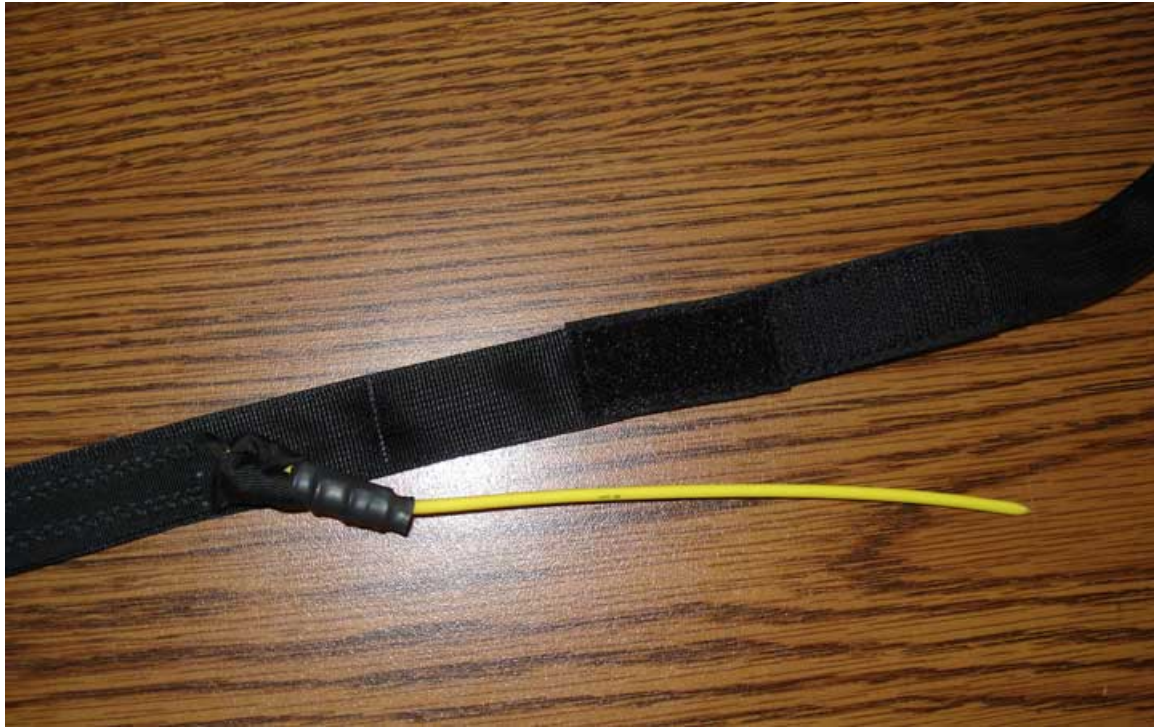


Fig. 2. Flex Pin installed on Drogue Bridle

If you have any doubt about your Flex Pin replacements can be obtained by calling Jump Shack at (386) 734-5867. One free Flex Pin per serial numbered rig is available to customers who wish to replace their existing Pin. The old Pin should be returned to Jump Shack. Additional new, field replaceable Flex Pins are \$3 plus shipping.