Performance Designs, Inc.

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Product Upgrade Notice

Date:	23 August 2012
Subject:	Pulse 190-260 Landing Performance Upgrade
Status:	Customer's Discretion at Next Reline

IDENTIFICATION:

Pulse sizes 190, 210, 230, and 260 with serial numbers between 000001 and 001378, Date of Manufacture prior to 16 July 2012.

BACKGROUND:

PD received feedback from two Pulse owners who were loading their canopies to the extreme end of the Pulse wing loading chart. They felt that the canopy did not seem to have as strong of a flare as did lighter skydivers jumping smaller Pulses at similar wing loadings.

Though these customers were pushing the envelope in both loading and recommended experience level, the PD R&D department went into a more indepth investigation. We wanted to determine if this feedback was quantifiable, and if so, determine what sizes were affected.

During our evaluation jumps of one customer's Pulse-260 we noticed the control range was quite long, which made getting a good flare difficult at higher wing loadings. Though the lighter test jumpers felt the flare was typical for larger canopies, they felt that most customers would benefit if the canopy had a slightly shorter control range and a bit more stopping power for no wind landings.

Conclusion:

The outcome of our research was that the 190 through 260 could be positively affected with a slightly different line set, and different steering line attachment locations. The new line set and control line location reduce the control range to a more comfortable length, especially for shorter jumpers. It also makes the landing flare easier to time, and increases stopping power for no wind landings. No adverse effects were noted by any test jumpers in any weight range. These modifications bring the overall landing performance in line with the existing performance levels of the Pulses sized 170 and below.

Action:

The upgrade on the 190 through 260 sizes is a performance enhancement that we highly encourage owners to have done in order to enjoy the improved landing performance the upgrade provides.

What's involved:

The upgrade involves moving two steering line attachment points to new locations on both sides of the tail of the canopy and installing the newer revision line set.

Requirements:

A qualified rigger with the experience and sewing equipment necessary to open the tail seam and sew it back together with reinforcement tape, move four line attachments, and reline the canopy.

Instructions and materials will be provided at no charge along with the purchase of a new lineset for field relining.

The upgrade will be performed at no charge with purchase of a reline in the PD Deland Facility.

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