

Dartron

**Issuing Entity:**  
**Dartron Industries, Inc**

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**Bulletin #**     **PIB-5K-004**    

**Release Date:**     **May 16, 2006**    

**Effective Date:**     **May 16, 2006**    

**Supersedes:**     **N/A**    

**Completion Date:**     **N/A**    

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## PRODUCT IMPROVEMENT

<u>Ride Manufacturer:</u> Dartron Industries, Inc.	<u>Affected Production Dates:</u> All
<u>Ride Name:</u> Cliffhanger	<u>Affected Serial #'s:</u> All
<u>Model #</u> All	

**Abstract of Issue:** The Cliff Hanger uses two spherical bushings and pin joints to attach the bearing base to the boom and additional spherical bushings and pin joints at either end of the drag link. Steel bushings are used on both ends of the pins used in these joints. Dartron has received reports that the steel bushings next to the bolt side of the pin have backed out. Without the steel bushing in place the pin could drop the width of the bushing. Since the pin is no longer perpendicular to the teardrop plate on the other end of the pin the teardrop plate could fracture.

**Reason for release:** To prevent the steel bushing from backing out Dartron will provide a retainer sleeve to be installed on the pin between the safety bolt and the steel bushing. Adding the retainer sleeve to the two boom to bearing base pin joints and to the two drag link pin joints will prevent the bushings from backing out.

**Action to be taken:**

1. Make sure the boom is on the boom rest and power is removed from the ride.
2. Remove the Nyloc Nut from the safety bolt on the boom to bearing base pin.
3. Remove the bolt.
4. Install the Dartron supplied retainer sleeve onto the pin.
5. Re-install the safety bolt with a new Nyloc Nut. **DO NOT REUSE THE ORIGINAL NYLOC NUT.**
6. Repeat on opposite boom to bearing base pin.
7. Remove the Nyloc Nut from the safety bolt on the lower/rear draglink pin.
8. Remove the bolt.
9. Install the Dartron supplied retainer sleeve.
10. Reinstall safety bolt with a new Nyloc Nut. **DO NOT REUSE THE ORIGINAL NYLOC NUT.**
11. Repeat on the pin on the opposite end of the drag link.