

Dartron

Issuing Entity:
Dartron Industries, Inc

P. O. Box 13114
Salem, Oregon 97309
Phone: 503-362-2341
Fax: 503-362-2536

www.dartronrides.com

Bulletin # SR-5K-003

Release Date: January 27, 2004

Effective Date: January 27, 2004

Supersedes: N/A

Completion Date: Before Operating

Page 1 of 3

SAFETY BULLETIN

Ride Manufacturer: Dartron Industries, Inc.

Affected Production Dates: 08/98 – 08/99

Ride Name: Cliff Hanger

Affected Serial #'s: 806081-5K, 807121-5K, 810061-5K,
810283-5K, 901011-5K, 902221-5K, 903021-5K,
903272-5K, 905101-5K

Abstract of Issue: As a result of an incident involving a Cliff Hanger ride in Florida Dartron is now aware that after a combination of events the Car Hanger Stem to Arch Assembly joint could fail. For this reason Dartron is requiring that all Cliff Hanger rides have a back up device that will support the car and its passengers in the event of a separation of the Arch Assembly from the Stem. Tests conducted by Dartron demonstrate that the factory-installed Arch Assembly to Car joint back up cable will safely suspend the car and its passengers in the event of a failure of the Stem to Arch Assembly joint. To identify the joint see Page 2 of this Bulletin and for more information on the factory installed cable see Page 3 of this Bulletin.

The factory-installed cable is an approved back up device for the Stem to Arch Assembly joint. No action is required for Cliff Hanger rides with a factory-installed cable.

The Cliff Hanger rides listed above have a different back up device for the Arch Assembly to Car joint and do not have factory-installed cables. The above listed Cliff Hanger rides must install the back up device described in this Bulletin as a back up for the Arch Assembly to Stem joint.

Reason for release: To ensure that the Cliff Hanger rides not equipped with a factory approved cable retrofit the Dartron approved back up device described herein.

Action to be taken:

1. The retrofit back up device must be ordered from Dartron Industries.
2. The back up device consists of:
 - a) Arch Assembly to Stem strap.
 - b) Stem to Welded Pipe strap.
 - b) Cable that is inserted through the Arch Assembly and attached to the car. Cable does not enter the stem.
3. Install the Back Up device as shown on Page 2 of this Bulletin.

PASSENGER CARRIER INSPECTION GUIDE

- 1) INSPECT FASTENERS RETAINING MAIN HANGER BLOCK PIVOT PIN TO INSURE 1/2" BOLT JAM NUT, NYLOCK NUT & COTTER PIN IS INSTALLED.
- 2) SHOCK MOUNT BRK'TS ON SWEEPS #5 & #10 HAVE REMOVABLE PINS, EXAMINE TO SEE THAT PINS ARE SECURE & R KEYS ARE ALL INSTALLED IN BOTH SHOCK MOUNT BRK'T & LOWER HANGER BLOCK.
- 3) CHECK BOLTS & NYLOCK NUTS ON UPPER & LOWER SAFETY LOOP TO DETERMINE THAT FASTENERS ARE INTACT & SECURE.
- 4) CHECK LOWER HANGER BLOCK PIN FOR EXTERNAL RETAINING RING & ROLL PINS.
- 5) CHECK CAR STEM TO HANGER BLOCK PINS DAILY VERIFY THAT LYNCH PIN & R KEY ARE IN PLACE & PINS ARE SECURE.
- 6) CHECK MODIFIED BOLT IN CAR STEM & STEM TO CAR BOLT & NYLOCK NUT TO DETERMINE THEY ARE SAFE & NUTS HAVE NOT BACKED OFF.
- 7) CHECK CAR STRUT PINS ON CAR FRAME & R KEYS TO INSURE THEY ARE IN PLACE & SECURED.
- 8) EXAMINE PIVOT POINT ON RESTRAINT TO DETERMINE THAT ALL SHAFTS ARE EXTENDED & HINGES ARE LOCKED IN PLACE.
- 9) CHECK CAR HANDLE PIN TO INSURE R KEY IS SNAPPED IN PLACE.
- 10) SAFETY CABLE IS THREADED THROUGH BOTH SIDES OF CAR STEM & SECURED TO CAR FRAME

