

Dartron

Issuing Entity:
Dartron Industries, Inc

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SERVICE BULLETIN

Ride Manufacturer: Dartron Industries, Inc.

Affected Production Dates: All

Ride Name: Cliff Hanger

Affected Serial #'s All

Model # Portable

Abstract of Issue: All Cliff Hanger rides have a component called an “Adjustable Drag Link” that is located under the boom. The “Adjustable Drag Link” locates the wheel to the correct position for operation and transport. Adjustment of the link is provided by a shaft threaded on both ends that screwed into threaded inserts in the two separate portions of the “Adjustable Drag Link”. The threaded shaft is secured against rotation by two jam nuts. Dartron is aware of some Cliff Hanger rides that have experienced loosening of the Adjustable Drag Link jam nuts.

Reason for release: If the jam nuts are loose excessive movement is allowed on the threads of the threaded shaft. This movement accelerates wear on the threads and can result in excessive movement of the Drag Link and the bearing base. If the excessive thread wear is not addressed it could result in the bearing base shifting position and causing expensive damage to the sweeps and car rack.

Action to be taken: Verify that the bearing base is in the proper position and then tack weld the jam nuts so as to prevent them from loosening.

Detail of issue:

1. With the ride set-up verify that there is between 3 inches and 5 inches of clearance between the sweeps and the highest point of the car racks when in the down position. If you have less than 3 inches or more than 5 inches please contact Technical Support at Dartron Industries, Inc. at (503) 362-2341 before proceeding.
 - a. Less than 3 inches may mean that the bearing base is ‘tipped’ forward.
 - b. Greater than 5 inches may mean that the bearing base is ‘tipped’ back.
2. Once proper clearance is achieved between the sweeps and the car racks tighten the jam nuts on the Drag Link threaded shaft.
3. Tack weld the jam nuts to their mating surface on the drag link and clevis by placing three welds (approximately 3/4" long) on alternating sides of the jam nut. **DO NOT WELD ON THE THREADS.** Place the tack welds so they can be removed in the future in the event that the Adjustable Drag Link requires adjustment.