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-H-0607-01 A

Name: Hurricane Car Bolt Replacement

Release Date: 8/30/2007

Effective Date: 8/30/2007 Supercedes: SR-H-0607-01

Completion Date: 5/1/08

Page 1 of 1

SAFETY BULLETIN

Ride Manufacturer: Dartron Industries, Inc. Affected Production Dates: All

Ride Name: Hurricane Affected Serial #'s: All

Model # All

<u>Abstract of Issue:</u> It has been reported to Dartron that during recent Hurricane car inspections advanced corrosion was found on the fasteners that bolt the Hurricane cars to the saddles and on the fasteners that bolt the restraint system to the car floor. If moisture penetrates into the bolt holes drilled into the car bottoms it can become trapped and result in rapid corrosion of the shank of the bolt

Reason for release: Deterioration of the fasteners due to corrosion could eventually result in failure of the fasteners and possibly a failure of the restraint or a car separating from the saddle.

<u>Action to be taken:</u> (1) Remove and replace all Hurricane Car floor fasteners with special corrosion resistant fasteners. (2) Inspect the car floor fasteners to verify that the special corrosion resistant fasteners have been installed.

Detail of issue:

1. The required fasteners to use, as replacements are Premier Industrial Corporation 'SuperTanium' hex head cap screws. The nuts and the USS flat-washers, which are used both under the head of the bolt and under the nut, must also be 'supertanium'. The size and quantities, per car, are shown below:

Quantity 4 5/8"-11 x 3" Quantity 2 1/4"-20 x 2-1/2" Quantity 8 3/8"-16 x 2-1/2"

- 2. Hardware can be obtained locally or from Dartron Parts & Service.
- 3. When inspecting installed bolts, look for the word 'supertanium' on the bolt head. All bolt heads should be found inside the car. All deformed nuts and washers should also have the premier logo (six sided resembling a flattened hex).
- 4. Remove and replace the 5/8 x 3" fasteners that hold the car body to the 'saddle'. Tighten the new fasteners to 110 foot-pounds of torque on the nut side. This should be done one at a time for ease of replacement and to avoid misalignment.
- 5. Remove and replace the 3/8 x 2-1/2" and the 1/4 x 2-1/2" bolts that hold the restraint system to the car. Tighten the new fasteners to 25 and 7 ft. lbs. of torque respectively. Again, the torque on the fasteners must be applied on the nut. Replace fasteners one at a time for ease of replacement and to avoid misalignment of the restraint system.
- 6. Verify proper operation of the lap bar release system prior to operation.
- 7. If you have any problems or questions, please call Technical Support at Dartron Industries at (503) 362-3421.