

Dartron Industries, Inc. is not the Manufacturer of Hurricane rides built before 1992. This Bulletin is issued in the interest of correcting a potential problem on rides whose manufacturer is no longer in business. This Bulletin should in no way be construed as Dartron assuming the role of manufacturer of pre-1992 Hurricanes.

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**Bulletin #** SR-H-0607-02 B  
**Name:** Hurricane Car Bolt Replacement  
**Release Date:** 4/25/2008  
**Effective Date:** 4/25/2008  
**Supersedes:** SR-H-0607-02 & SR-H-0607-02 A  
**Completion Date:** 7/1/08  
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## SAFETY BULLETIN

Ride Manufacturer: Frank Hrubetz & Co., Kilinski Mfg. Co., Man-Co Manufacturing, Inc.

Ride Name: Hurricane

Affected Serial #'s: All

Model # All

Affected Production Dates: 1972 – 1991

**Abstract of Issue:** 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 boltholes drilled into the car bottoms it can become trapped and result in rapid corrosion of the bolt shank. 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.

**Reason for Superceding SR-H-0607-02 & SR-H-0607-02A:** Superceded Bulletins required the use of "Supertanium" hardware that is no longer available. If "Supertanium" hardware was installed it is approved for this application. However, since it can no longer be procured, the hardware shown below is also acceptable.

**Action to be taken:** (1) Inspect Hurricane car to floor and restraint to floor fasteners. (2) After July 7, 2008 Hurricane Rides not using the herein approved corrosion resistant fasteners should not be operated.

**Detail of issue:**

- The required fastener quantities, size and type per car, are shown below:
  - Car to floor: Qty 4 each 5/8"-11 x 3" Galvanized (not zinc plated) Grade 5, or equivalent, bolts, Qty 4 galvanized nuts with a wire type locking feature (Anco or equivalent).
  - Restraint to floor: Qty 8 each 3/8"-16 x 2-1/2" 304 stainless steel bolts. Qty 8 stainless steel nyloc type locking nuts.
- "Supertanium" hardware, as specified in Bulletin SR-H-0607-02A, is also acceptable
- Hardware can be obtained locally or from Dartron Parts & Services.
- When inspecting installed bolts, look on the bolt head to verify galvanized appearance with proper bolt strength designator or for the word "Supertanium".
- 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. Bolts should be replaced one at a time to avoid misalignment.
- Remove and replace the 3/8 x 2-1/2" bolts that hold the restraint system to the car. Tighten the new fasteners to 25 ft. lbs. of torque on the nut side. Bolts should be replaced one at a time to avoid misalignment.
- Verify proper operation of the lap bar release system prior to opening Hurricane to patron service.
- If you have any problems or questions, please call Technical Support at Dartron Parts & Services at (503) 362-3421.