Dartron

Issuing Entity:
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Bulletin # PI-5K-0107-03

Release Date: 01/07/2007

Effective Date: 01/07/2007

Supercedes: N/A

Completion Date: N/A

PRODUCT IMPROVEMENT

Ride Manufacturer: Dartron Industries, Inc.	Affected Production Dates: All Cliff Hanger Rides
Ride Name: Cliff Hanger	Affected Serial #'s: All
Model # All	

Abstract of Issue: Dartron is aware that some owner/operators of the Cliff Hanger ride are experiencing breakage of the car beds.

Reason for release: A new version of car beds is now available that addresses the breakage problems by allowing the car bed fasteners to float in the car bed holes to accommodate heavier loads and thermal expansion. Additionally, there will only be a single replacement bed that can be used for any of the three positions. The car bed will have 'cut-out' making it usable in either the inside, outside or center locations.

Action to be taken: Replacement car beds will now be shipped with the new configuration and required hardware.

Detail of issue:

NOTE: This will only need to be done the first time the new style bed is installed into the frame. All new beds will have the same configuration in the future.

1. Determine which cutout will need to be removed to give you the proper configuration for the car bed being replaced.
    a. For the center car bed, drill the holes at the end of the slots beside the latch assembly with a 5/8" drill. A 1/16" pilot hole is provided.
    b. For the left and right car beds, determine which side cutout will need the clearance for the pivot point and remove the corresponding notch at the perforations.

2. Place the passenger carrier bed into the approximate location on the car bed frame.

3. At position A; bolt down the crotch pad on the side beds or the latch assembly on the center, depending on which one is being replaced; as illustrated on the attached sheet. Use this to align the holes.

4. Place the aluminum grommets into the approximate center of the slots on the bed.

5. The rear four holes (Position B) should be at the right location for new drilling. Mark the location of this point on the metal tabs with a transfer punch or similar device. Do not attempt to use the existing holes unless they are centered in the slot.

6. For the front three holes (Positions D and E), try to put some weight/pressure into the front area of the car at Position C. Apply enough pressure to locate the grommet for position D into the center of the slot. See attached drawing.

7. Place the grommets into the approximate center of the slots at position D.

8. Again, mark the location of this point on the metal tabs with a transfer punch or similar device. Do not attempt to use the existing holes unless they are centered in the slot.

9. Remove the bed.

10. Drill new ¼" diameter holes in the metal tabs on the car at the marked location. **CAUTION: DO NOT DRILL INTO THE TUBULAR FRAME.** In the event of partial hole, a slot from existing hole to the new hole location is acceptable.

11. Re-install the car bed using the grommets to fasten the bed down. **DO NOT OVERTIGHTEN**, it will mash the aluminum insert and not let the bed 'float'.

12. See following drawing/diagram.