

*Dartron*

**Issuing Entity:**  
**Dartron Industries, Inc**

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**Bulletin # SR-5R-0001**

**Release Date: 5/15/06**

**Effective Date: 5/15/06**

**Supersedes: N/A**

**Completion Date: 5/15/06**

**Page 1 of 2**

## PRODUCT IMPROVEMENT

Ride Manufacturer: Dartron Industries, Inc.	Affected Production Dates: 04/03 thru 08/03
Ride Name: Zero Gravity	Affected Serial #'s 0301201-5R, 0302102-5R
Model # Portable	0303103-5R, 0303244-5R

**Abstract of Issue:** Dartron Industries, Inc. became aware that the Parking Brake Mount Assembly cracked on at least one Zero Gravity. As soon as Dartron gained this knowledge a more robust Parking Brake Mount Assembly was designed and cut into production.

**Reason for release:** A cracked Parking Brake Mount Assembly could fail and cause injury. The more robust Parking Brake Mount Assembly should be added to the first four Zero Gravity rides.

**Action to be taken:** The four Zero Gravity rides listed above as Affected Serial #'s must replace the Parking Brake Mount Assembly with the more robust Parking Brake Mount Assembly.

**Detail of issue:**

1. Ask the Dartron Parts And Service Department to send the robust Parking Brake Mount Assembly.
2. Remove power from the ride.
3. Plug and cap the hydraulic line connected to the parking brake caliper located on the boom close to the hub. The fittings are JIC-4.
4. Remove the four ½-inch fasteners from the corners of the brake base plate, and remove the plate from the hub.
5. Remove the brake calipers from the original parking brake assembly.
6. Verify serviceability of the pads on the brake calipers. If new pads are required, please contact Dartron Parts and Service Department at (503) 362-2341.

7. Install the original brake caliper onto the robust Parking Brake Mount Assembly.
8. Use the provided spacers and/or ½” washers to adjust the calipers to the approximate centerline of the brake rotor.
9. Remove the plug and cap from the brake line.
10. Install the hydraulic line.
11. Apply power to the ride at this time.
12. Verify proper operation of the brake caliper by pressing and releasing the jog button.
13. Use the adjusting washers to insure that the center of the brake calipers is aligned with the centerline of the rotor.