

Dartron

Issuing Entity:  
Dartron Industries, Inc

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Bulletin: PIB-5R-003

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Supersedes: N/A

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## PRODUCT IMPROVEMENT

Ride Manufacturer: Dartron Industries, Inc.	Affected Shipment Dates: 3/26/05 thru 6/3/05
Ride Name: Zero Gravity	Affected Serial #'s: 0511081-5R, 0512064-5R,
Model #: N/A	0502145-5R

**Abstract of Issue:** The affected three rides were equipped with a controller for the Zero Gravity strobe light system that defaults to an OFF mode when the ride is powered down. After powering up the ride the controller must be powered up by depressing a Power On button located on the strobe light controller.

**Reason for release:** The strobe light Controller is located in the main electrical panel. Powering up the Controller every morning can only be accomplished by opening the door to the Main Electrical Panel. This is not a good practice. Dartron is providing, without charge, a button to be installed on the door of the Main Electrical Panel. After installation, the Strobe Controller can be powered up without opening the Main Electrical Panel door. Installation of the Dartron supplied button will maintain compliance for the Main Electrical Panel with the NEC.

**Action to be taken:**

**To Obtain Parts:**

1. Call the Dartron Parts Department and request a Cutler-Hammer E22 Plastic Operator and Legend Plate E22PB7L.

**Tools Required:**

1. Electric Drill Motor
2. Long extension cord for electric drill
3. Drill bit capable of drilling a 29/32" hole

**To Install:**

1. Remove power from the ride and do not energize until conversion is complete.
2. Open both doors on the electrical enclosure.
3. Identify the Strobe Controller located at the top of the Electrical Enclosure. It is plugged into a grounded 110v outlet. Identify the rocker switch in the lower right hand corner of the controller labeled Standby.
4. To install the external button in the door locate the position of the hole to be drilled as explained by the following steps:

- a. Locate a hole center that would be directly in line with the Standby switch with the Main Electrical Enclosure doors closed.
  - b. Mark the hole center located in (1) on the outside of the Main Electrical Enclosure door.
  - c. Close the right-hand door.
  - d. Verify that the location for the drilled hole 'looks' correct.
5. Open the right side door to past 90°.
  6. Plug the extension cord into an outlet other than the outlet on the ride.

**Caution! Do not power the ride and use the outlet on the ride.**

7. With the door open, drill a 29/32" hole through the door at the previously marked location. Remove any drillings/filings that may have fallen into the enclosure.
8. Install the pushbutton into the door; making sure that the seal and legend plate are properly located on the outside of the box.
9. Close and latch the right side door of the Main Electrical Panel.
10. Keeping the left side door open for access measure from the back of the installed pushbutton to the standby rocker switch on the strobe light controller.
11. Cut the plunger rod to the length measured above plus 1".
12. Install plunger rod into the pushbutton on the door.
13. Slowly shut the right door and verify approximately 1/8" clearance from plunger face to the Standby button, by looking through the open left-hand door. Remove and shorten plunger rod if necessary.
14. Close the right-hand door.
15. Press pushbutton to verify it contacts standby button on controller with door closed and latched.
16. Close both doors on the enclosure, power-up ride and press the standby reset button.
17. Operate ride to verify that strobes operate at the proper time.