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DATE: March 21, 1988

SUPERSEDES:

SERVICE BULLETIN

Effective Serial Number:

Ride: ALL

Subject: NON-DESTRUCTIVE TESTING

REFERENCE STANDARD:

1. ASTM-F24 Standards on Amusement Rides and Devices
 - a. F846-86 Testing Performance of Amusement Rides and Devices
 - b. F853-86 Maintenance Procedures for Amusement Rides and Devices
 - c. F893-87 Inspection of Amusement Rides and Devices

Chance Rides at the time of design and manufacture determines by calculations and testing of a prototype amusement ride the appropriateness for use, of not only the parts, but the entire system of a newly designed ride. These calculations and tests are utilized to, as feasibly as possible, determine the requirements for expected design life of major components. Based on this design criteria, Chance Rides does not identify critical components on amusement rides to be singled out for non-destructive testing.

If through field experience there is an indication that a structural or mechanical problem may develop on rides currently operating, Chance Rides will notify owners by bulletin of the recommended procedures to inspect or correct the possible problem. Any possible defect which could affect the continued safe or proper operation of the ride should be reported immediately to the manufacturer by the owner/operator. This information is necessary so that a determination can be made for either the repair or replacement of possible defective parts.

Field repairs should not be undertaken without the approval and proper instructions from the manufacturer and should be performed by qualified personnel. These persons should have a complete understanding of both the component's function and the manufacturer's instructions.

It is the responsibility of the individual inspector to thoroughly inspect the ride as he deems necessary based on his knowledge and field experience and manufacturer's recommendations. If the inspector finds an area or component that could be a problem, structural or otherwise, the factory should then be notified. It is then the responsibility of the inspector to ensure that the manufacturer's recommendations for repair, replacement or otherwise have been completed and are in compliance with the required specifications.

Load testing is a destructive form of testing and is not recommended by the manufacturer as per our bulletin #B090R1002-0 dated May 14, 1986.