



SERVICE BULLETIN

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SERVICE BULLETIN 94-1

SUPER LOOPS (RING OF FIRE) - HINGE PINS

The purpose of this bulletin is to rescind Bulletins 89-2A, 89-5 and 89-2, in their entirety; however, the following is the latest direction concerning hinge pins.

Only Super Loops (Ring of Fire), Serial Numbers 89PA50044 and down are affected. Serial numbers 89PA50045 and up are not affected.

Fatigue cracks have been found in the hinge pins on some of the older Super Loops Amusement Rides. This fatigue could be caused by a number of factors. The two most obvious are: 1) the continual loading and unloading of the pin due to erection and lowering of the track and 2) improper support of the track during transport, allowing the hinge to take the majority of the bouncing load. With this in mind and in order to maintain a safe ride, the main hinge pins on the Super Loops must be inspected when the ride has been in operation for five (5) years and at (5) year intervals thereafter. This inspection is to be a magnaflux inspection performed by an inspector certified in the use of magnaflux. Be sure and obtain a written copy of this inspection and keep it with your Super Loops manuals.

Field experience has shown that many operators are not qualified to comply with this bulletin and in some cases have created dangerous situations. It is suggested that a factory technician is called to supervise the inspection and/or replacement of the hinge pin or that the ride is brought back to the factory.

If the ride operator decides to perform the inspection, he should call the factory at (806) 293-1353 for detailed instructions.