

The primary function of the varistor is to help control an electrical spike that originates at the electromagnetic brake when the field collapses during shutdown. The varistor has been installed to protect the rectifier from the spike that occurs.

Under normal operation of the hoist, the varistor has no effect on the brake circuit. The varistor protects the rectifier from repeated and large voltage spikes when power rushes out of the brake coil at shutdown.

Varistors are replaced every time a rectifier is replaced. They are sold in a kit with every rectifier and should be installed as a protection against electrical spikes created by the brake coil. The inspection procedure for this part is simply a visual inspection. Other inspection procedures for this part are possible. Since the varistor is inexpensive, other inspections are not cost effective.

For questions or comments, contact Customer Service at 1-800-560-CLIMB (2546) or customerservice@safeworks.com.