MGM Brakes

At MGM Brakes, we are committed to excellence in everything we do.

You Spoke...We Listened

CORROSION FIGHTER® TECHNOLOGY

Metal components of commercial vehicles are constantly subjected to harsh corrosive environmental conditions, particularly in the winter months in the northern climates. Until recently, the coatings and materials used in spring brakes were sufficient to effectively resist the corrosive effects of materials found in the environments in which the vehicles operate, including the effects of rock salt used to de-ice the roadways.

However, with the introduction of more aggressive de-icing solutions, which literally "cling" to the surface, metal components are experiencing much higher levels of corrosion. In warmer weather, after the water has evaporated, the corrosion process can be reactivated on rainy days when moisture comes into contact with the crystallized salt deposits.

A way to reduce the effects of this "corrosive" attack is to break the electrical conductivity between the parts by changing one of the existing components to a non-conductive material. This is what MGM Brakes Engineering has done by designing a spring guide constructed from heavy-duty, non-conductive composite material. The composite guide prevents metal to metal contact between the end coil of the power spring and the head of the brake, effectively "breaking the circuit", therefore slowing the corrosion process and reducing "corrosion" related brake failures.

A Standard Feature in all our TR models to fight harsh elements in the environment!

MGM TR Spring Brake Chambers are available in a variety of models designed to meet the performance and operational needs of every customer. From the over-the-road hauler to the severe operating environment of refuse collection, MGM has the right model for the toughest jobs.

RUST BUSTER

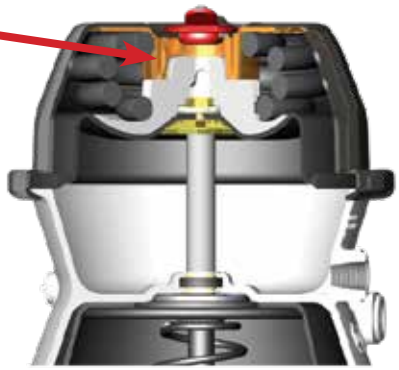
MGM TR Model Brakes - better than ever!

In addition to constructing the guide from composite material, MGM Engineers made other design changes that significantly improve power spring life by preventing damage to the power spring's protective coating. This was accomplished by enlarging the area into which the power spring is compressed when the parking brake is released. All this was done without increasing the overall size of the brake.

The composite spring guide also ensures precise alignment of the power spring inside the brake. Accurate alignment of the head side of the power spring compliments our patented Center-Hole Diaphragm (CHD) design providing longer center seal and power spring life.

Composite Guide
Note: *guide is depicted in orange for visual purposes.*

Old guide



Composite Guide - A Standard Feature
Constructed from heavy-duty, non-metallic composite material. Available on all TR model chambers. Patents Pending.

Other standard features include:

"Long Life" Power Spring

Powerful, reliable with increased shut height to reduce coil contact.

Non-Pressure Chamber

Heavy-duty 8 gauge embossed steel on all type 3030 spring brakes.

Center Seal

Nylon guides (not troublesome O-rings) prevent metal to metal wear, ensures alignment and absorbs the load, extending the life of the seal.

Center-Hole Diaphragm

MGM Engineering designed and patented a system that prevents power spring skewing, reduces stress and adds life to the center seal.

Heavy-Duty Diaphragms

Cold weather natural rubber for longer service life and resistance to deterioration. Neoprene is also available for increased life in oil contaminated environments.