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## Sliding Balancer Track

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VEHICLE EXHAUST

### MagneGrip™ SBT Vehicle Exhaust Venting Systems

**Captures and Carries Away  
 Harmful Emissions**

**For Fire and Emergency Vehicles**

Exhaust emissions in the firehouse can expose firefighters to harmful gases that present a significant health risk. MagneGrip™ Diesel Exhaust Venting Systems have the most advanced features available for 100% removal of toxic emissions to create a safe environment.

The patented MagneGrip nozzle assembly slips quickly and easily over the exhaust for a positive, no-leak seal. This unique design eliminates the expensive accessories required to operate pneumatic or electro-magnetic systems. It is less costly to install and it reduces building maintenance and utility costs.

#### **Fast, Safe and Efficient**

MagneGrip's fully automatic control system operates with ease. The ventilation fan starts automatically when the apparatus engine starts. The hose disconnects automatically when the apparatus leaves the station. The system:

- Provides maximum clearance for personnel
- Does not slow down boarding or response time
- Has highly visible markings on the hose and track
- Accommodates vehicles parked in tandem
- Connects to emergency or non-emergency apparatus



**Featuring the MagneGrip universal, magnetic nozzle**

Clean Air Concepts helped pioneer and develop the only patented, sealed magnetic system in the industry. The unique MagneGrip nozzle incorporates rare-earth magnet assemblies to ensure an airtight connection.

The system's operation requires less equipment than competitive systems, which improves the auto-release function and reduces problems. ("Problematic" exhaust extraction systems already in use can be converted to the MagneGrip nozzle technology. See "Converting In-place Systems to MagneGrip" below.)

The MagneGrip assembly...

- Is lightweight, simple to operate
- Requires no air or electrical system support
- Has ambient air intake for cooler operation
- Incorporates a safety disconnect at the nozzle

#### **Exhaust venting systems for every situation**

MagneGrip offers systems to meet the needs of every emergency response vehicle situation. Whether you have one vehicle in one bay, or several vehicles in several bays, MagneGrip has an exhaust venting system to meet your needs.

### **Sliding Balancer Track (SBT)**

This system is our most popular and versatile for firehouses. It can be installed for one apparatus or for two apparatus parked in tandem. Travel from door to door can range up to 85 feet. The universal MagneGrip nozzle is easy to connect. It provides an airtight seal around the tailpipe and captures 100-percent of the toxic exhaust gases at their source. Best of all, the MagneGrip SBT system requires less maintenance than other systems on the market.



### **Economical Simple System**

This system can be installed in firehouses and EMS facilities for about one-third the cost of a complete track-type system. It incorporates the MagneGrip nozzle for a 100% seal and the venting hose is suspended from a locking balancer. As the apparatus exits on calls, the nozzle automatically releases when the balancer cable has extended its full length. After the nozzle disconnects, the cable retracts the hose away from the vehicle. This system captures emissions when the apparatus engine starts and generally eliminates the unhealthy environment caused by emissions escaping inside the facility. It can be upgraded to a complete track system, with door-to-door coverage, if funding becomes available at a later date.

### **Converting In-place Systems to MagneGrip**

Some firehouses already have a traditional Exhaust Ventilation System in place. Systems developed before MagneGrip's magnetic nozzle assembly are mostly the pneumatic type. These systems require "extra" components such as: an air compressor, a filter and dryer for the compressor, airlines and fittings running from the compressor to every hose drop, a trip switch on each track, a manual fill valve, a safety disconnect on each hose and an electrical connection. This type of system can present a variety of problems, such as the compressor running when it should not, the safety release disengaging when it should not, and other system problems. For these firehouses, maintenance of the system becomes a continuous burden.

Consequently, when fire departments learn about the simplicity of the MagneGrip system, they have an interest in converting their systems. This can be done without replacing the entire system. In some cases, simply changing to the MagneGrip universal nozzle assembly on the worst hose drops is a big help. Other situations may require new hoses or other retrofitting. However, because of the time it saves in reduced maintenance, the upgrade is well worth the expense of converting to MagneGrip. Your MagneGrip dealer can analyze your existing system and provide information on converting.