GEH-641
Supersedes GEH-64

INSTRUCTIONS

IC9516 A-C AND D-C BRAKES

SOLENOID OPERATED

GENERAL DESCRIPTION

IC9516 solenoid-operated brakes are spring-set, shoe-type, adjustable for braking effort.

Solenoids on a-c brakes are shunt-wound, and on d-c brakes are series- or shunt-wound.

D-c brakes, forms -160 and -161 are weather-resistant.

All forms are made for floor, wall, or ceiling mounting. A separate bracket is used for mounting on the motor.

INSTALLATION

All forms have four holes in the base for holding-down bolts, located symmetrically with reference to both center lines, so that they may be mounted with the solenoid on either side of the wheel.

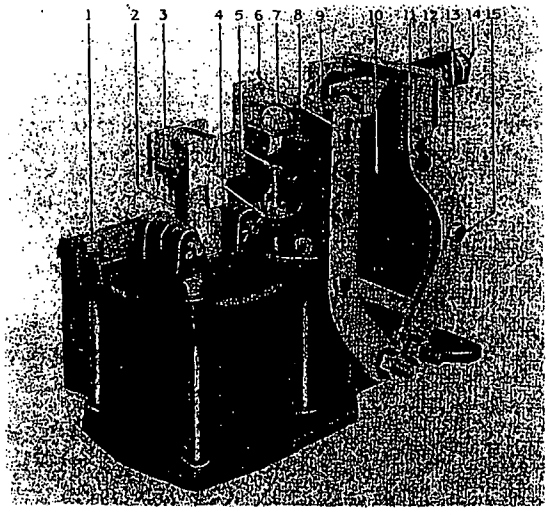


Fig. 1. Solenoid-operated brake, IC9516-160 and -161

In the standard mounting the solenoid is located to the left of the wheel as shown in Fig. 1. In this position, the nuts on the shoe bolts (15) are on the inside or next to the motor. In case the solenoid is mounted on the right, when installing, the bolts should be removed and replaced with the nut next to the motor to facilitate easy removal of the shoes when replacing linings.

The -160, -161, Fig. 1 (d-c); the -460, Fig. 6; the -462 and -463, Fig. 2; and -464 and -465, Fig. 5 (a-c), are arranged for conduit connections.

The -460 and -461 brakes are equipped with a conduit box on only one side of the solenoid for protecting the coil terminals. The -462 to -465 inclusive, are equipped with a protective cover around the solenoid. See Fig. 2 and 5.

All forms of brakes, a-c and d-c, have self-aligning shoes and the yoke and lever system is free to float on the hinge pins at the bottom.

All the solenoid-operated brakes operate equally well when mounted on the floor or wall. For wall mounting the shaft on which the brake wheel is mounted may be either horizontal or vertical.

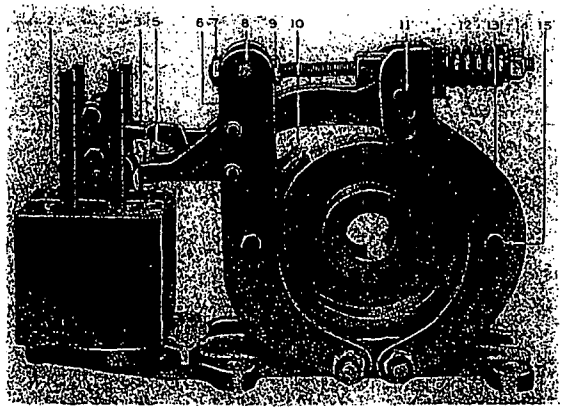


Fig. 2. Solenoid-operated brake, IC9516-462 and -463

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

GENERAL ELECTRIC

GLEASON-000128