prestolite SERVICE MANUAL

SMALL MOTOR SECTION

(Issued 3-16-78)

These series type motors are designed for use in sirens.

VOLTS 12 ROTATION CCWDE BRUSHES 2 POLES 4

BEARINGS — Ball bearing at commutator end.

LUBRICATION — At overhaul, pack open ball bearing 1/4 to 1/2 full with a good ball bearing lubricant.

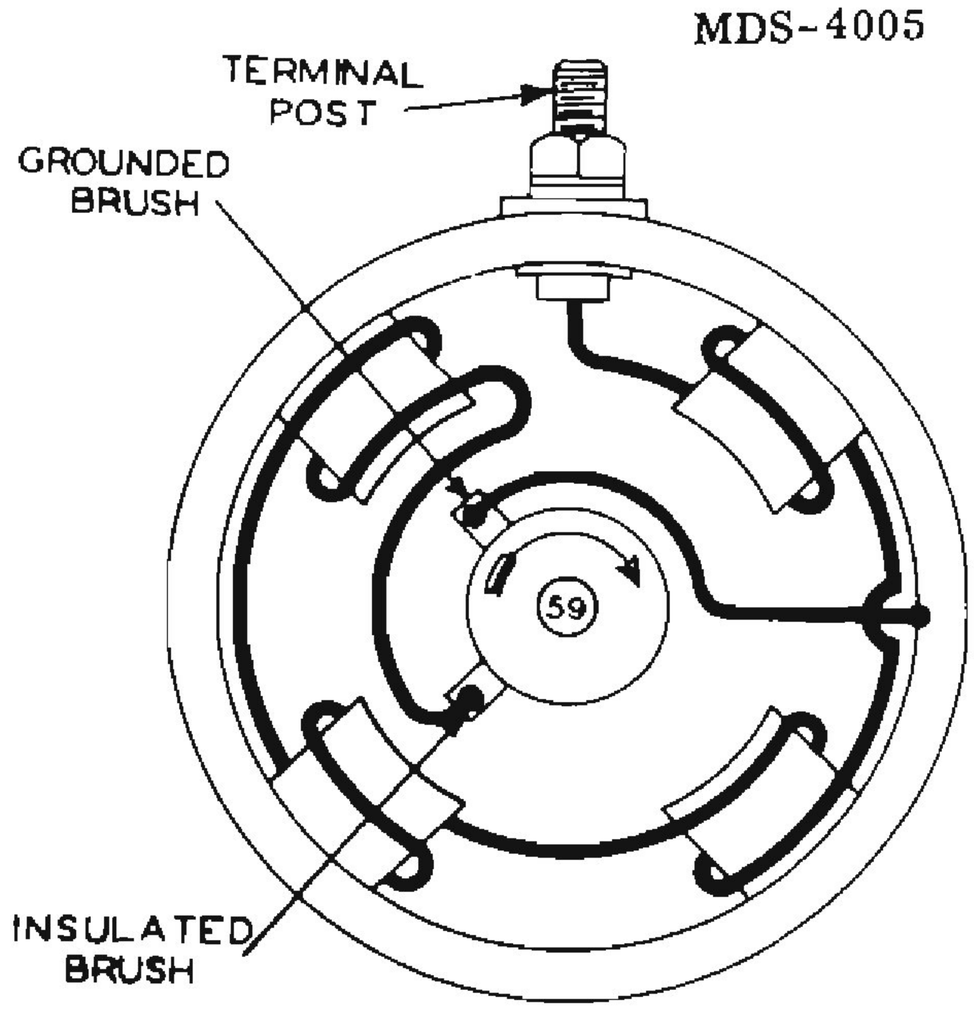
SWITCH — Separate

BRUSH SPRING TENSION — 26 to 30 ounces with new brushes. This tension is measured with the scale hooked under the brush spring at the bend and the reading taken just as the spring leaves the brush. The pull of the spring scale is to be at right angles to the line of force exerted by the brush spring.

TEST SPECIFICATIONS

	Unit
Stall Test	4.0 volts, 280 maximum amperes, 7.0 minimum Ft. Lbs.
Free Running	10.0 volts, 40 maximum amperes, 11,000 minimum RPM.

Unit
MDS-4001
MDS-4002
MDS-4003, A, B
MDS-4004
MDS-4005



VIEWED FROM COMMUTATOR END