VOLTAGE 12 ROTATION CWDE BRUSHES 2 POLES 2

VENTILATED No FRAME DIAMETER 4 1/2"

BEARINGS Absorbent bronze bearings used at both ends.

LUBRICATION Soak absorbent bronze bearings with SAE 20 oil.

BRUSH REPLACEMENT Replace brushes when they have worn to a length of 7/16" or less.

SPRING TENSION 32 to 40 ounces with new brushes. Measure with a spring scale hooked under the brush spring at the brush. Pull the scale on a line opposite the line of force exerted by the brush spring and take the reading just as the spring leaves the brush.

END PLAY Adjust to .005" to .030" with thrust washers on the commutator end of the armature shaft. Refer to Parts & Equipment List for thrust washer package.

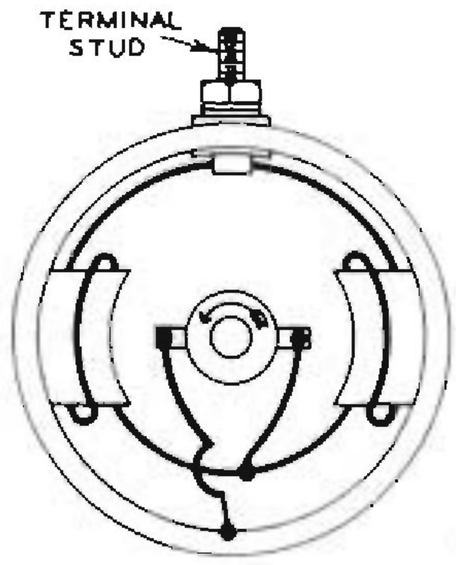
SHUNT FIELD DRAW (77°F) .9 to 1.1 amperes at 12.0 volts.

TEST SPECIFICATIONS (77°F)

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12	15	2500 Min.	-----
Stall Torque Test	8	200	0	6.2

Unit

MER-4001, A
MER-4002



VIEWED FROM COMMUTATOR END

INTERNAL WIRING DIAGRAM