VOLTAGE 24 ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED No DIAMETER 4-1/2"

BEARINGS — Absorbent bronze bearing used at commutator end. Sealed ball bearing used at drive end.

LUBRICATION — Soak absorbent bronze bearing and felt oiling pad with SAE 20 oil. Allow excess oil to drain out before assembling end head on motor. Ball bearing is prelubricated and sealed. No additional lubrication required.

BRUSH REPLACEMENT — Replace brushes when they have worn to a length of 1/4" 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.

ARMATURE TEST — These armatures have standard winding connections and can be tested on a growler using a metal strip or hacksaw blade to locate shorted windings.

POLE SHOE INSTALLATION — When replacing field coils, install the pole shoes so that the long edge is pointing to a counterclockwise direction when viewed from the comm end.

END PLAY — Adjust to .005" minimum with thrust washers at C.E. bearing. Maintain a dimension at .308" to .344" from the face of the drive end frame to the outer edge of the drive end bearing. Refer to Parts & Equipment List for thrust washer package.

TEST CONNECTIONS

CWDE	CCWDE
Connect F-1 to Battery Positive	Connect F-2 to Battery Positive
Connect F-2 to Battery Negative	Connect F-1 to Battery Negative

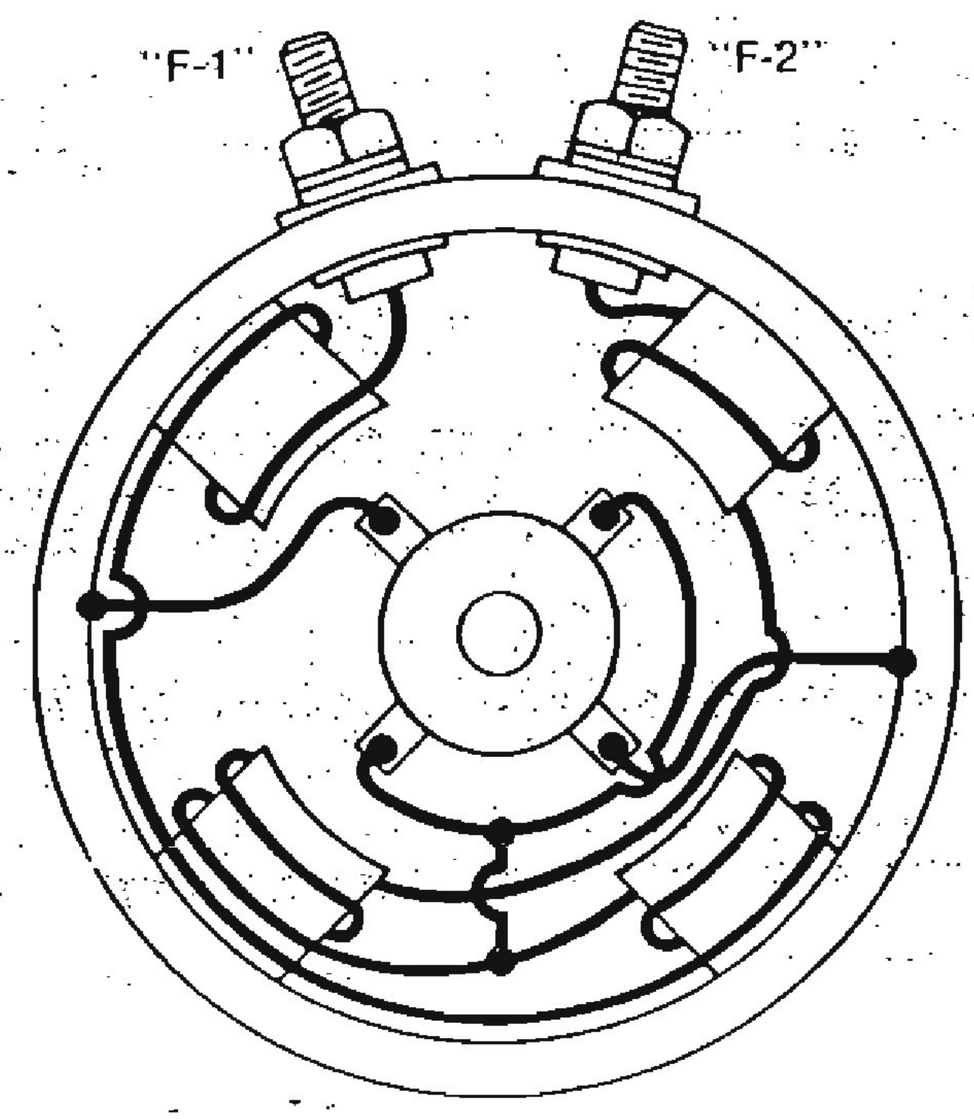
Unit _____

MMS-4001

prestolite.
SERVICE
INFORMATION

TEST SPECIFICATIONS (77°F/25°C)

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	20.0	28.0	6500	-0-
Stall Torque Test	6.0	225.0	-0-	6.0



VIEWED FROM COMMUTATOR END