VOLTAGE 12 ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED No FRAME DIAMETER 4-1/2"

BEARINGS

Absorbent bronze bearing used at commutator end. MMC-4003 and MMC-4005,S is not supplied with drive end. All others use absorbent bronze bearings 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 heads on motor.

BRUSH REPLACEMENT

The brushes must be replaced 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.

POLE SHOE INSTALLATION

When replacing field coils, install the pole shoes so that the shorter edge is in a clockwise direction when viewed from the comm end head.

END PLAY

Adjust to .005 minimum with thrust washers at C.E. bearing. Refer to Parts and Equipment List for thrust washer package.

TEST CONNECTIONS

CWDE ROTATION	CCWDE ROTATION
Connect F-1 to battery positive	Connect F-2 to battery positive
Connect battery negative to motor frame	Connect battery negative to motor frame

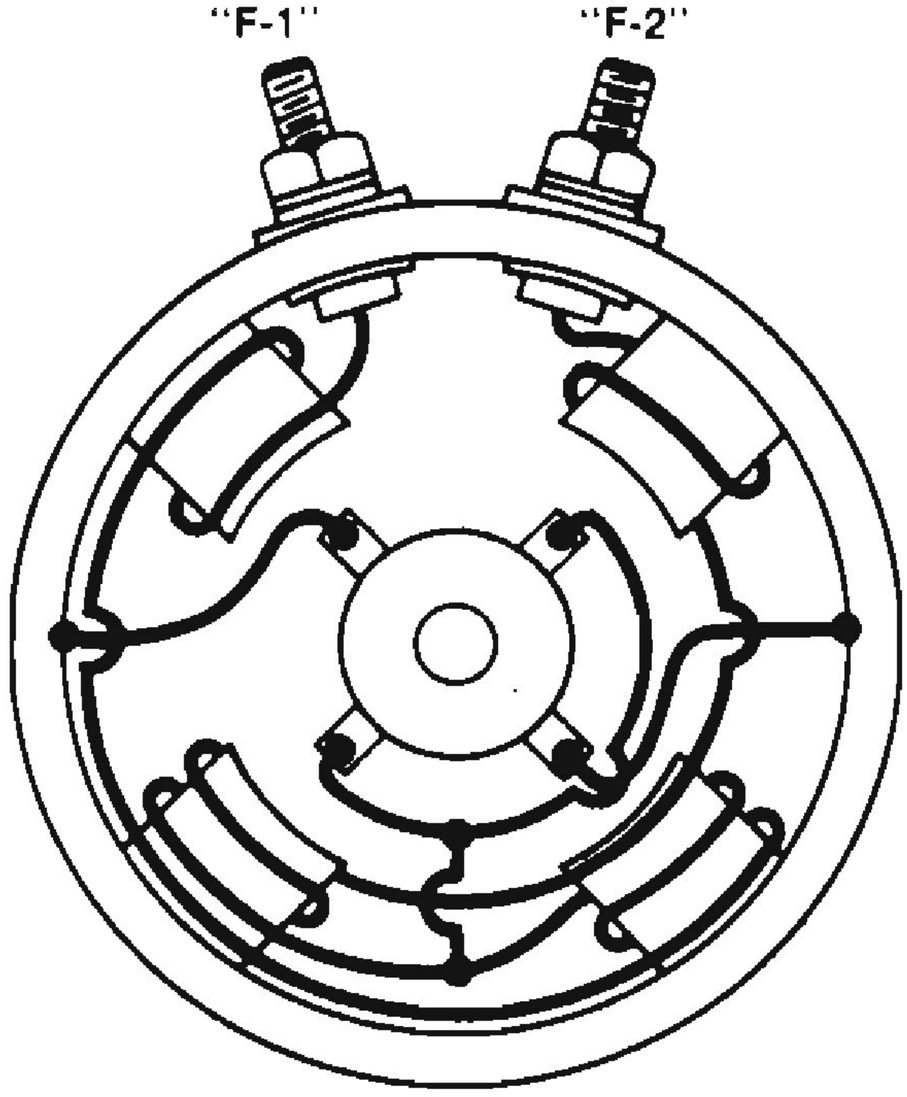
TEST SPECIFICATIONS (77°F/25°C) Test in both directions of rotation.

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	10	42	7500	- 0 -
Stall Torque Test	4	250	- 0 -	6.0

prestolite.
SERVICE
INFORMATION

Unit

MMC-4002
MMC-4003,S
MMC-4004
MMC-4005,S



VIEWED FROM COMMUTATOR END