VOLTAGE 24 ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED Yes FRAME DIAMETER 6-5/8"

LUBRICATION — None required. Prelubricated and sealed ball bearings used at both ends of motor.

FIELD RESISTANCE (77°F/25°C) — .0108 to .0132 ohms measured between terminals S-1 and S-2.

ARMATURE TEST — These armatures have standard winding connections and can be tested on a growler for shorted windings.

COMMUTATOR — Minimum diameter 2.750". Replace armature when commutator has worn to this dimension.

BRUSH REPLACEMENT — Replace brushes when they have worn to a length of 3/4" or less.

SPRING TENSION — 24 to 28 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.

TEST CONNECTIONS

CWDE	CCWDE
Connect S-1 to battery positive	Connect S-1 to battery positive
Connect S-2 to A-1	Connect S-2 to A-2
Connect A-2 to battery negative	Connect A-1 to battery negative

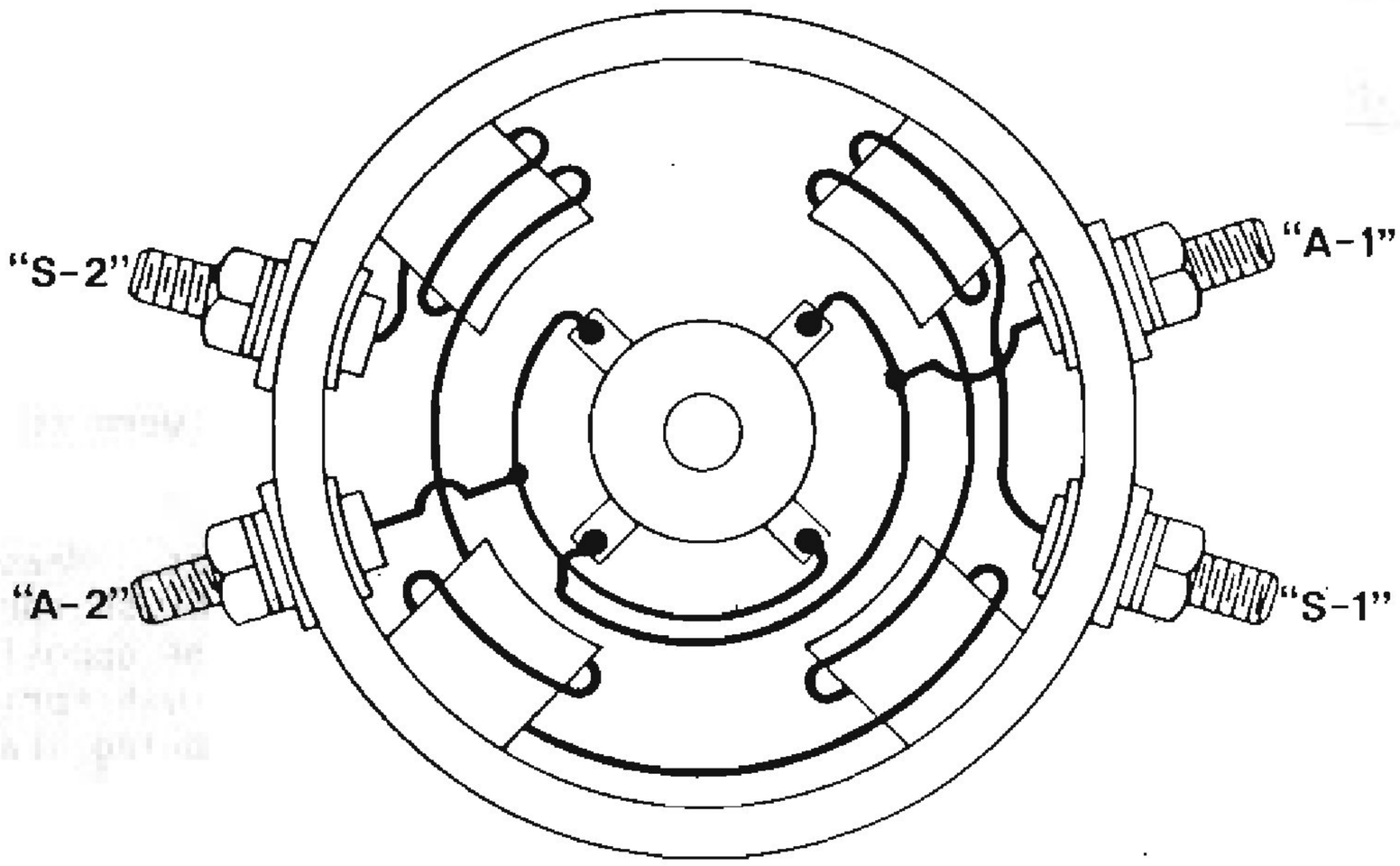
TEST SPECIFICATIONS (77°F/25°C) Test in both directions of rotation.

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12	20	2450 Min.	0
Light Load Test	24.14	57	2140 to 2470	3

UNIT

MSQ-4001
MSQ-4002
MSQ-4003,S

prestolite
SERVICE
INFORMATION



VIEWED FROM COMMUTATOR END

Internal Wiring