VOLTAGE 24 ROTATION Reversible BRUSHES See Tabulation POLES 4

VENTILATED Yes FRAME DIAMETER 6-1/2"

LUBRICATION None required. Sealed ball bearings used at both ends of motor.

FIELD RESISTANCE (77°F) Series Coils .0037 to .0041 ohms. Measure between terminals S-1 and S-2.

Shunt Coils 3.13 to 3.47 ohms. Measure between terminals F-1 and F-2.

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.

COMMUTATOR Minimum diameter 2.75". Replace armature when commutator has worn to this dimension.

BRUSH REPLACEMENT Replace brushes when they have worn to a length of 9/16" or less.

SPRING TENSION 30 to 36 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

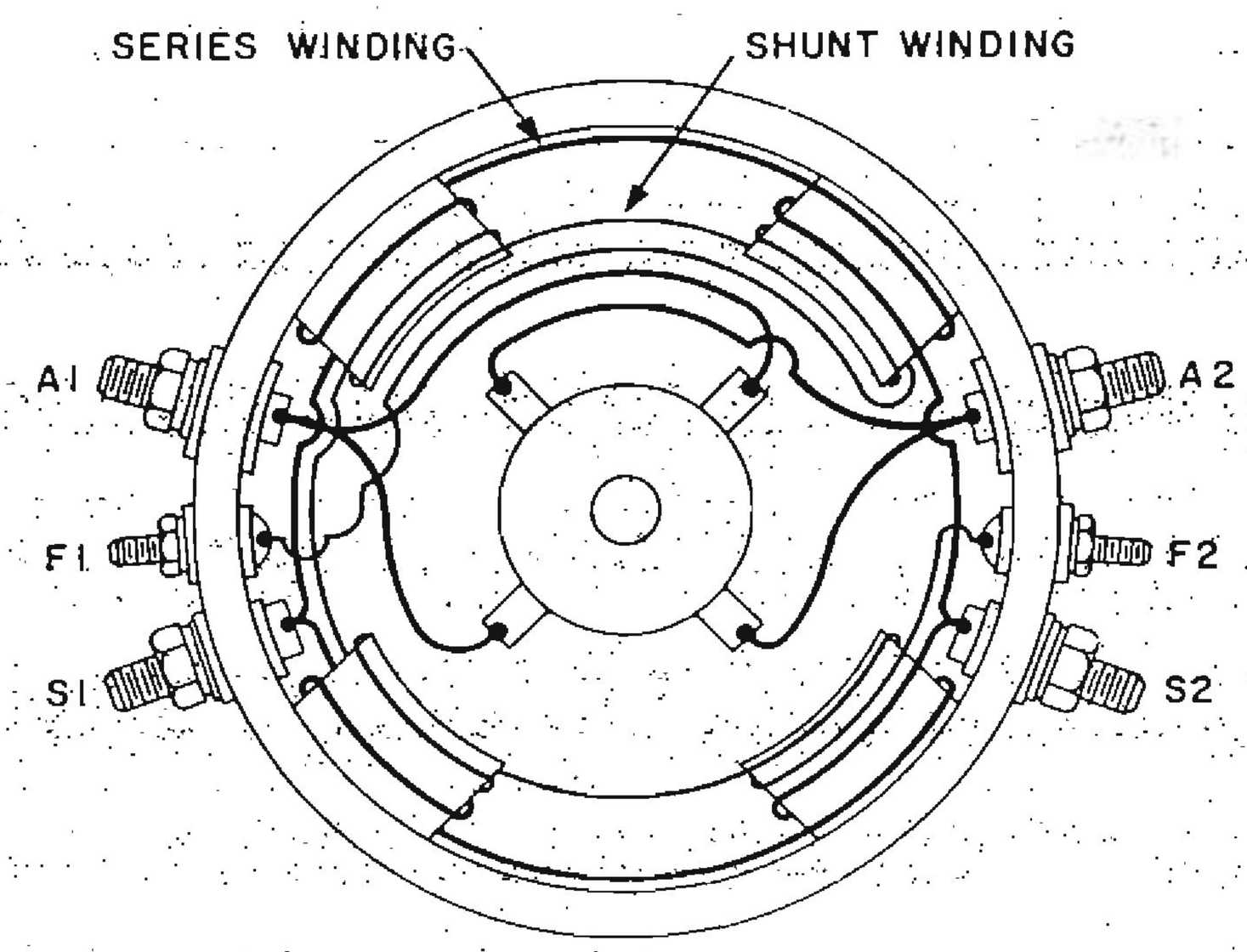
CWDE Rotation	CCWDE Rotation
Connect F-2 and S-2 to battery pos.	Connect F-2 and S-2 to battery pos.
Connect A-2 to S-1	Connect A-1 to S-1
Connect A-1 and F-1 to battery neg.	Connect A-2 and F-1 to battery neg.

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

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	24	21	2040 Min.	0
Light Load Test	23.44	37	1750-2020	1.5

prestolite.
SERVICE
INFORMATION

Unit	Brushes
MGO-4001	8
MGO-4002,A	8
MGO-4003	4



VIEWED FROM COMMUTATOR END