VOLTAGE 24 ROTATION CWDE BRUSHES 8 POLES 4

VENTILATED See Tabulation 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) 0.61 to 0.69 ohms measured between terminals A and F.

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 2.750". 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 brush spring leaves the brush.

TEST CONNECTIONS

See tabulation for test number.

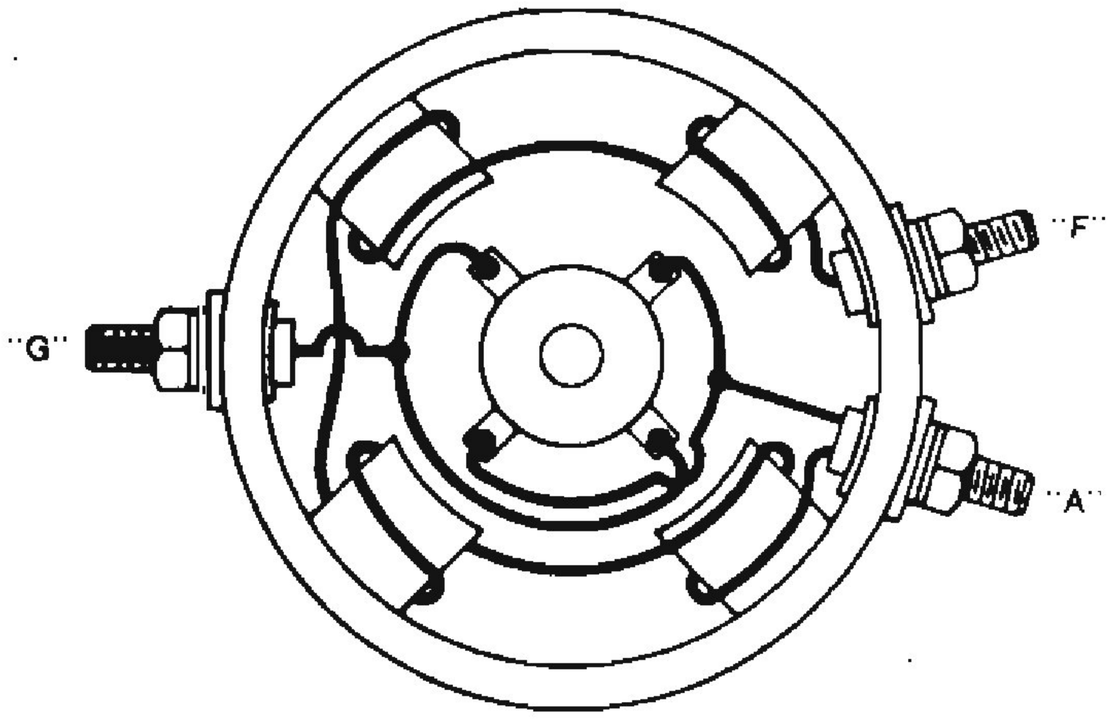
	Test #1	Test #2
	Connect A to battery positive Connect F and G to battery negative	Connect F and A-1 to battery positive Connect A-2 to battery negative

TEST SPECIFICATIONS (77°F/25°C)

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	24	22	1500 Min.	- 0 -
Light Load Test	26.5	45	1640 to 1900	2

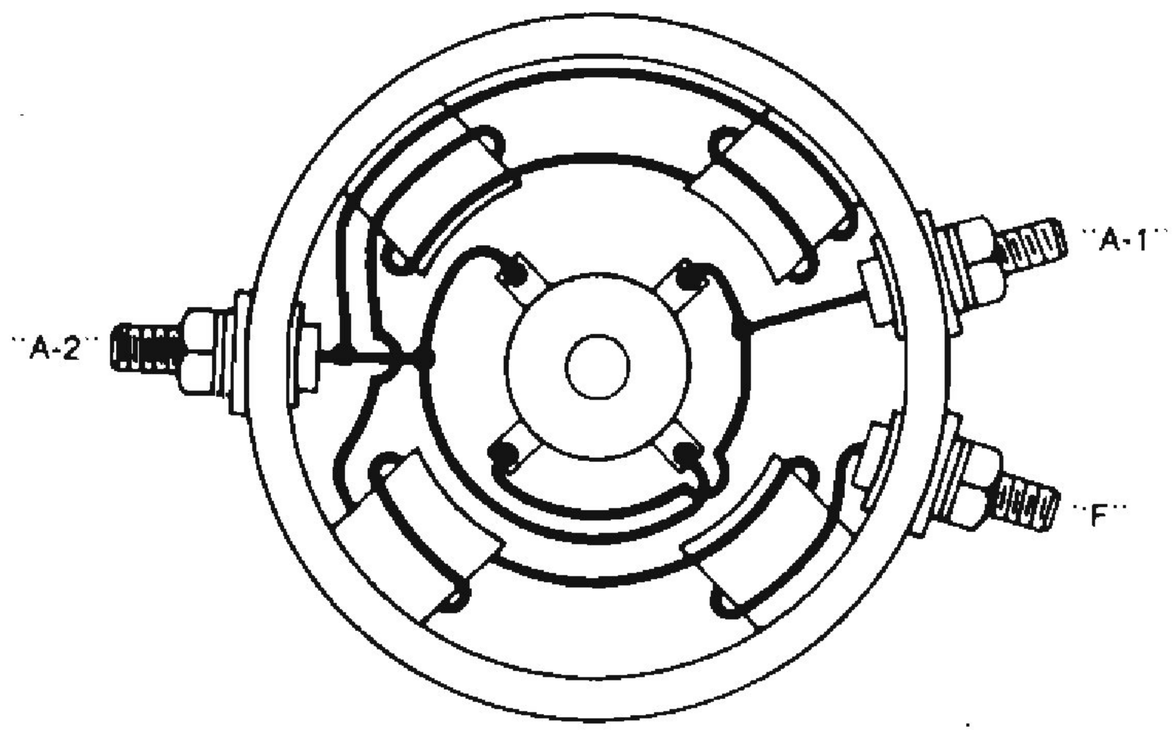
prestolite.
SERVICE
INFORMATION

Unit	Test Connection	Ventilated	Internal Wiring
MJY-4001,A	#1	Yes	Fig. #1
MJY-4002	#2	No	Fig. #2
MJY-4003	#1	No	Fig. #1



VIEWED FROM COMMUTATOR END

Fig. #1



VIEWED FROM COMMUTATOR END

Fig. #2