VOLTAGE 12 ROTATION Reversible BRUSHES 4 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) — .0062 to .0070 ohms measured between terminals S-1 and S-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 2.875". 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 — See tabulation for test number.

TEST #1

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

TEST #2

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

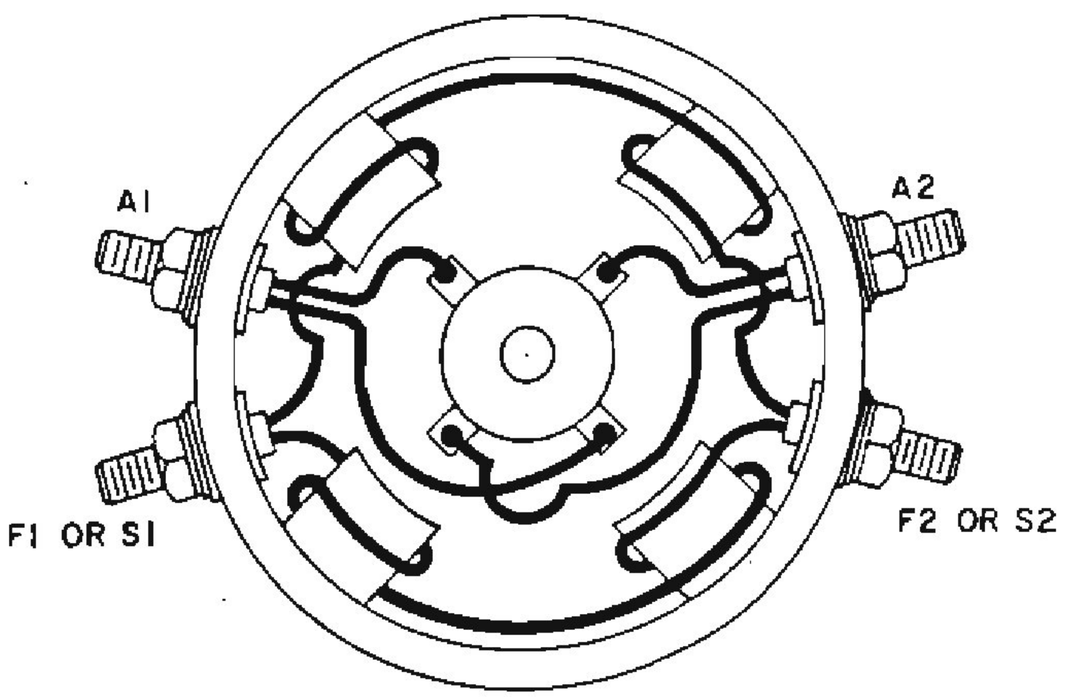
prestolite
SERVICE
INFORMATION

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

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12	30	3300	0
Light Load Test	10.68	70	1590 to 1770	2

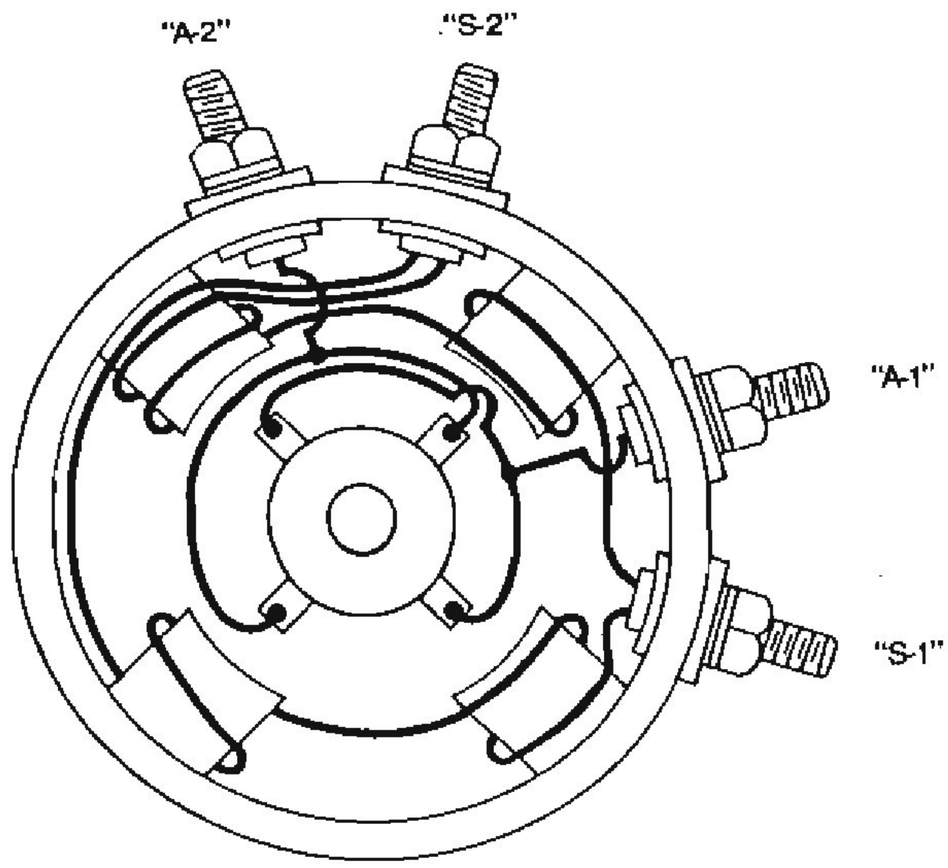
UNIT	INTERNAL WIRING	VENTILATED	TEST CONNECTIONS
MLD-4001	Figure 1	Yes	#1
MLD-4002	Figure 1	Yes	#1
MLD-4003*	Figure 2	Yes	#2
MLD-4004	Figure 1	Yes	#1
MLD-4005	Figure 1	Yes	#1
MLD-4006	Figure 1	No	#1
MLD-4007	Figure 1	No	#1
MLD-4008	Figure 1	Yes	#1
MLD-4009	Figure 2	Yes	#2
MLD-4010	Figure 1	Yes	#1

* Note: This motor can operate at 12 or 24 volts.



VIEWED FROM COMMUTATOR END

FIG. 1



VIEWED FROM COMMUTATOR END

FIG. 2