VOLTAGE 12 ROTATION See Tabulation BRUSHES 4 POLES 4

VENTILATED No FRAME DIAMETER 4-1/2"

BEARINGS Absorbent bronze bearings used on all except MEZ-7101. MEZ-7101 not supplied with drive end.

LUBRICATION Soak absorbent bronze bearings and felt oiling pad with SAE 20 oil. Allow excess oil to drain out before assembling end head on motor.

BRUSH REPLACEMENT Replace brushes 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 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 longer tip is pointing in a counterclockwise direction when viewed from comm end head.

END PLAY Adjust to .005 minimum with thrust washers on the commutator end of the armature shaft. Refer to Parts & Equipment List for thrust washer package.

SHUNT FIELD DRAW (77°F/25°C) 25.5 to 29.2 amperes at 12.0 volt.

TEST CONNECTIONS Reversible only.

CWDE	CCWDE
Connect F-1 to battery positive	Connect F-1 to battery positive
Connect F-2 to A-1	Connect F-2 to A-2
Connect F-3 and A-2 to battery negative	Connect F-3 and A-1 to battery negative

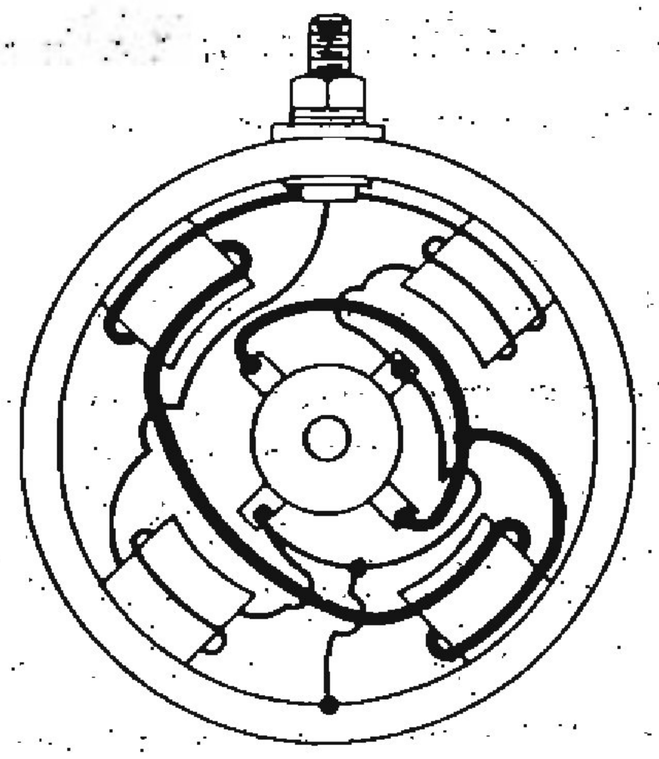
TEST SPECIFICATIONS (77°F/25°C) Test reversible motors in both directions.

	Terminal Voltage	Maximum Amperes.	RPM	Torque Ft. Lbs.
No Load Test	10	81	2350 Min.	- 0 -
Stall Torque Test	4	315	- 0 -	7

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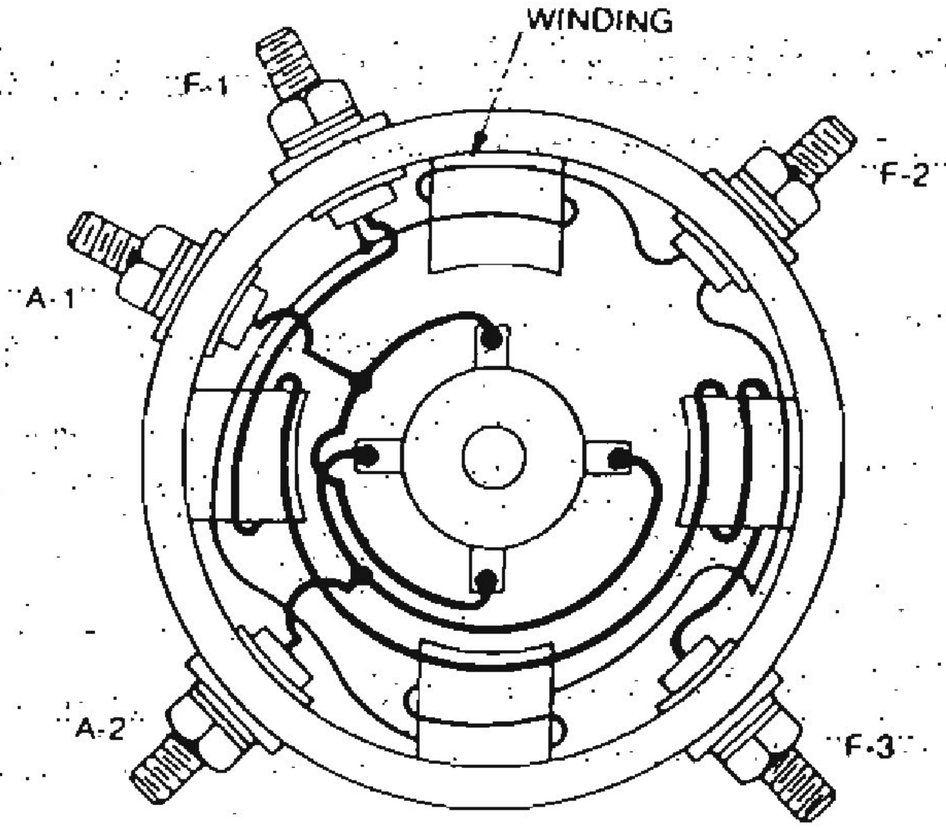
prestolite SERVICE INFORMATION

Unit	Rotation	Internal Wiring
MEZ-6101	CWDE	Figure 1
MEZ-7001	CWDE	Figure 1
MEZ-7002	CWDE	Figure 1
MEZ-7101	Reversible	Figure 2



VIEWED FROM COMMUTATOR END

Figure 1



VIEWED FROM COMMUTATOR END

Figure 2