Issued 2/15/82 REV: 8/1/86

VOLTAGE 24 ROTATION Reversible BRUSHES 2 POLES 2

VENTILATED Yes FRAME DIAMETER 4-1/2"

BEARINGS Ball bearing used at Comm. End. Drive end bearing supplied by customer.

LUBRICATION None required for Comm. End. Prelubricated and sealed ball bearing is used.

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 1.50". Replace armature when commutator has worn to this dimension.

BRUSH REPLACEMENT Replace brushes when they have worn to a length of 5/16" or less.

SPRING TENSION 28 to 34 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

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

TEST #2

CWDE	CCWDE
Connect F-2 to battery positive	Connect F-1 to battery positive
Connect A-2 to F-1	Connect A-2 to F-2
Connect A-1 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	24	10	8500 min.	0
Stall Torque Test	6	70	0	2.7

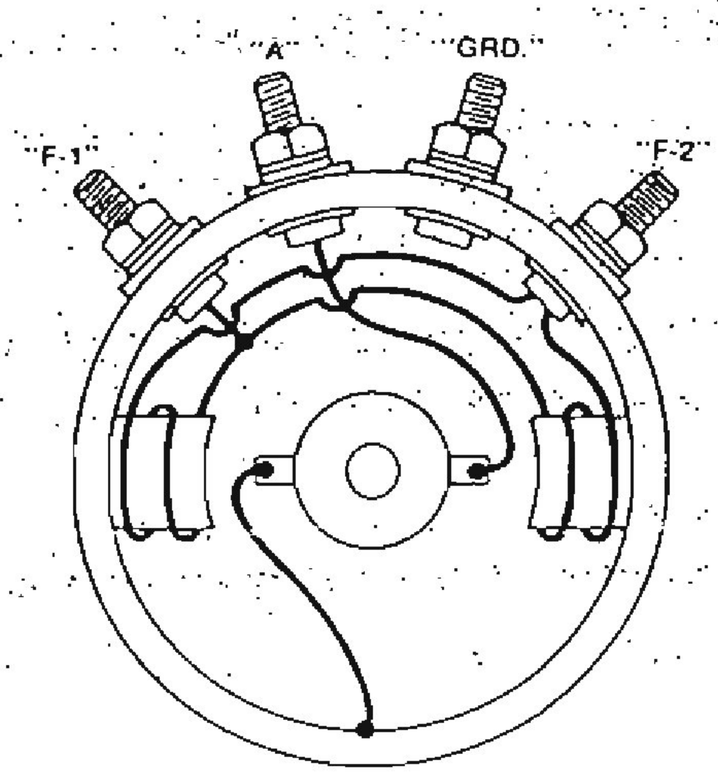
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SERVICE

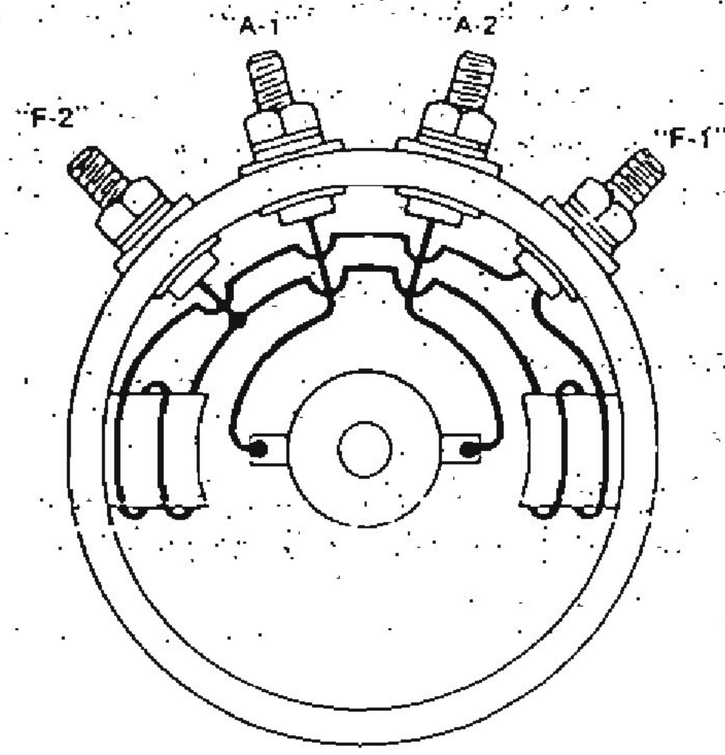
INFORMATION

UNIT	TEST CONNECTIONS	INTERNAL WIRING
MHC-4001,A	#1	Figure 1
MHC-4002,A,C	#1	Figure 1
MHC-4003	#1	Figure 1
MHC-4004	#1	Figure 1
MHC-4005	#1	Figure 1
MHC-4006	#2	Figure 2
MHC-4007	#1	Figure 1
MHC-4008	#2	Figure 2
MHC-4009	#2	Figure 2



VIEWED FROM COMMUTATOR END

FIG. 1



VIEWED FROM COMMUTATOR END

FIG. 2