VOLTAGE 12 ROTATION CWDE BRUSHES 4 POLES 4

VENTILATED No FRAME DIAMETER 5"

BEARINGS Ball bearings used at both ends.

LUBRICATION Pack open ball bearings 1/4 to 1/2 full with a good grade ball bearing lubricant.

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

SPRING TENSION 42 to 53 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.

END PLAY Adjust to .005" to .030" with thrust washers between the C.E. bearing and the retaining snap ring. On the 4001 and 4101 motors, maintain a dimension of .433" to .468 from the drive end mounting face to the end of the armature shaft. Refer to Parts & Equipment List for thrust washer package.

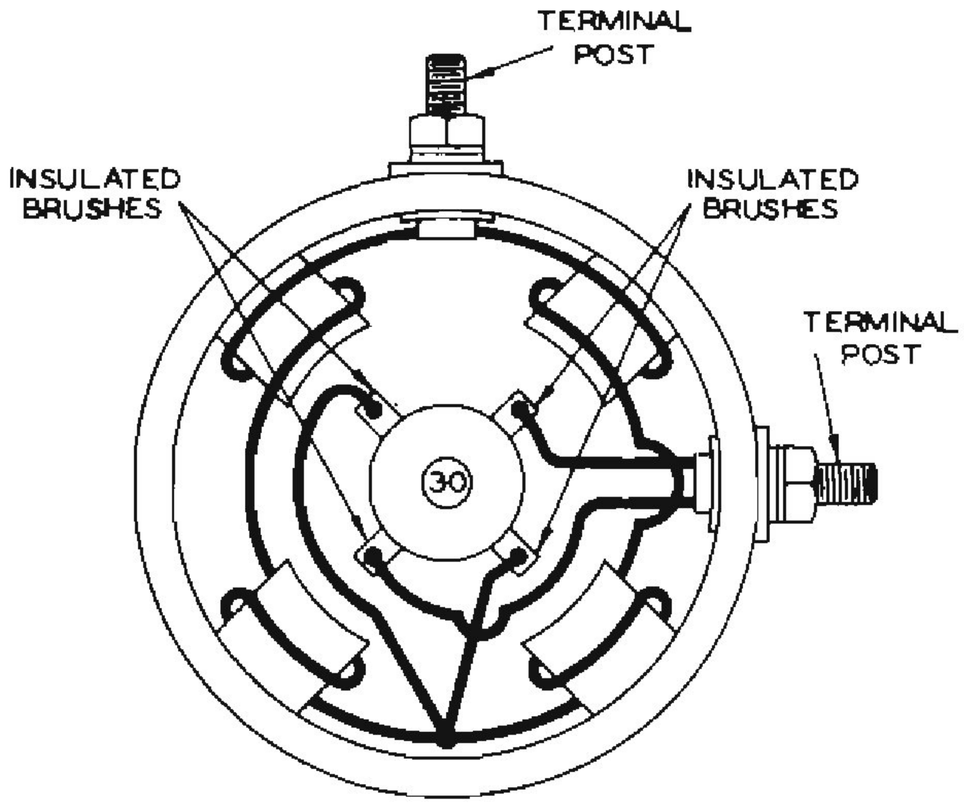
TEST SPECIFICATIONS (77°F)

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	8	55	8000 Min.	----
Stall Torque Test	2	690	0	14.0

Unit	Special Instructions
MDR-4001	See Note 1
MDR-4101	See Note 1
MDR-4201,A	

NOTE 1 - Assemble drive end ball bearing with shielded side toward the armature.

prestolite.
SERVICE
INFORMATION



VIEWED FROM COMMUTATOR END

INTERNAL WIRING DIAGRAM