ROTATION See Tabulation VOLTS 6 POLES 4 BRUSHES 4

LUBRICATION At overhaul, all bronze bearings should be well lubricated with medium engine oil.

Cover armature shaft at Drive End with a film of lubricant before assembling drive.

BRUSH SPRING TENSION 32 to 40 ounces with new brushes. This tension is measured with the scale hooked under the brush spring at the bend and the reading is taken just as the spring leaves the brush. The pull of the spring scale is to be at right angles to the line of force exerted by the brush spring.

END PLAY .005" minimum.

STARTING SWITCH Mounted separately.

TRANSMISSION See tabulation.

TEST SPECIFICATIONS

No Load Draw	5.0 volts 52 maximum amperes, 8100 minimum RPM.
Stall Torque	2.0 volts, 230 maximum amperes, 1.6 minimum Lbs. Ft.

Unit	Rot.	Transmission	Pinion Position*	Special Instructions
MDH-4001M	CCW	L.H. Bendix	1-47/64"-1-27/32"	See Note 1
MDH-4002M	CW	R.H. Bendix	1.729" -1.844"	See Note 1
MDH-4003M	CW	------	------	See Note 2

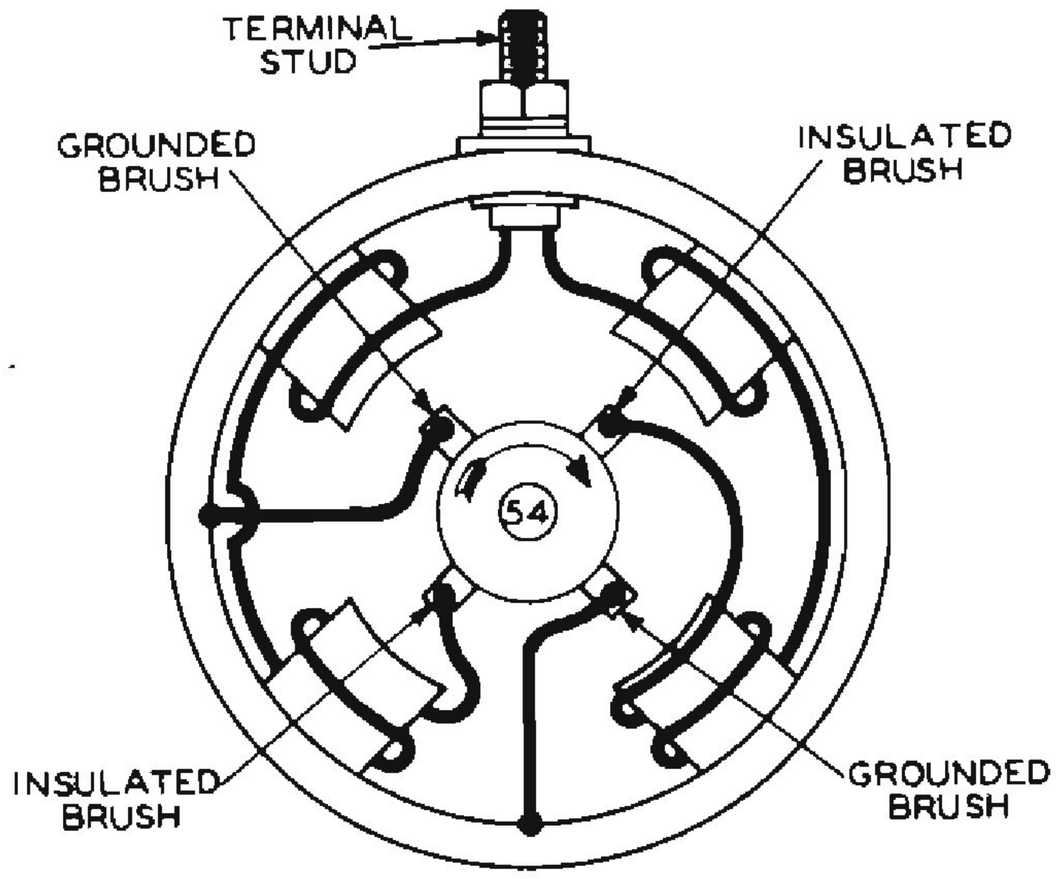
* This dimension is measured from the mounting face of the drive end head to the outer edge of the pinion just before the pinion drops off of the spiral. Check with armature thrust to the commutator end and again with the armature thrust to the drive end. Adjust by using as many MHD-40 thrust washers as necessary.

Note 1 - Shaft nut must be tightened securely. Do not back off to install cotter pin.

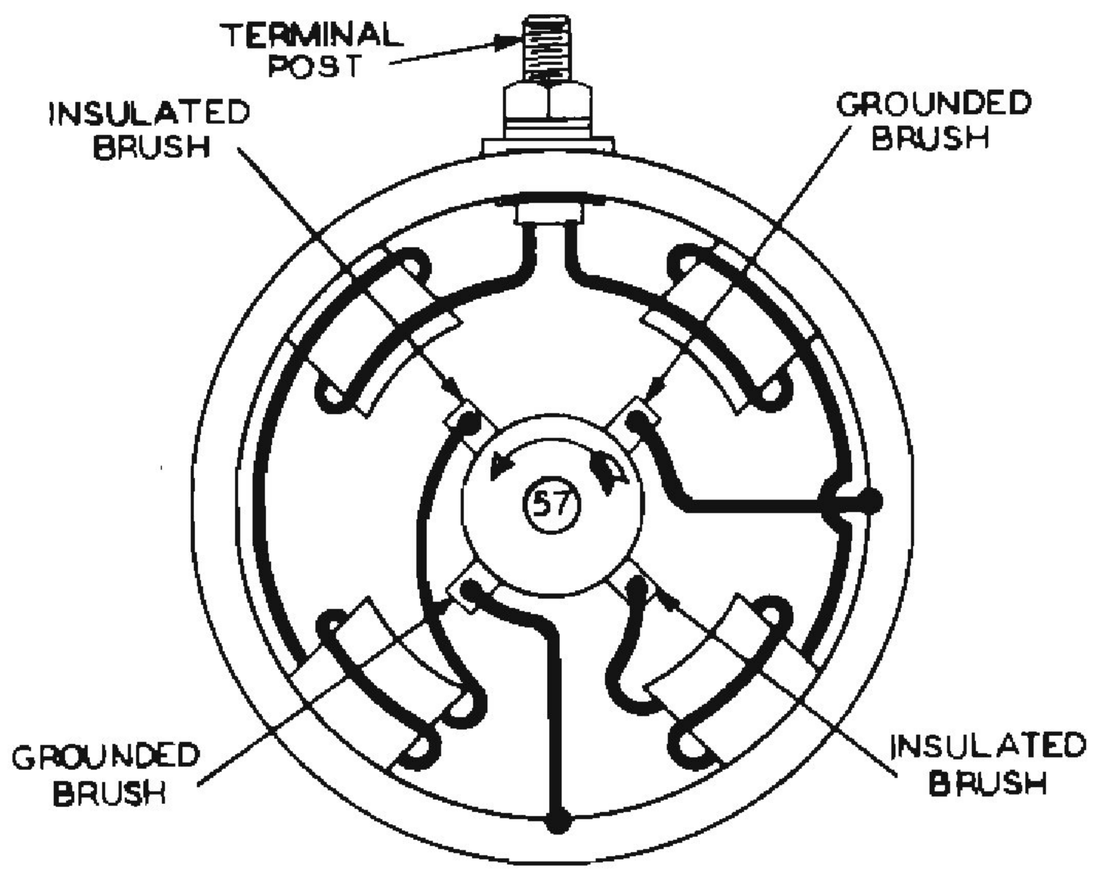
Note 2 - Mounting face to shoulder on shaft dimension 3/32" to 5/32".

prestolite.

SERVICE INFORMATION



VIEWED FROM COMMUTATOR END



VIEWED FROM COMMUTATOR END