VOLTAGE 24 ROTATION Reversible BRUSHES 8 POLES 4

VENTILATED Yes FRAME DIAMETER 7-1/4"

LUBRICATION None required. Prelubricated and sealed ball bearings used at both ends of motor.

FIELD RESISTANCE (77°F/25°C) .0036 to .0044 ohms measured between terminals S-1 and S-2.

ARMATURE TEST These armatures have standard winding connections and can be tested on a growler for shorted windings.

COMMUTATOR Minimum diameter 2.938". 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 brush spring leaves the brush.

TEST CONNECTIONS

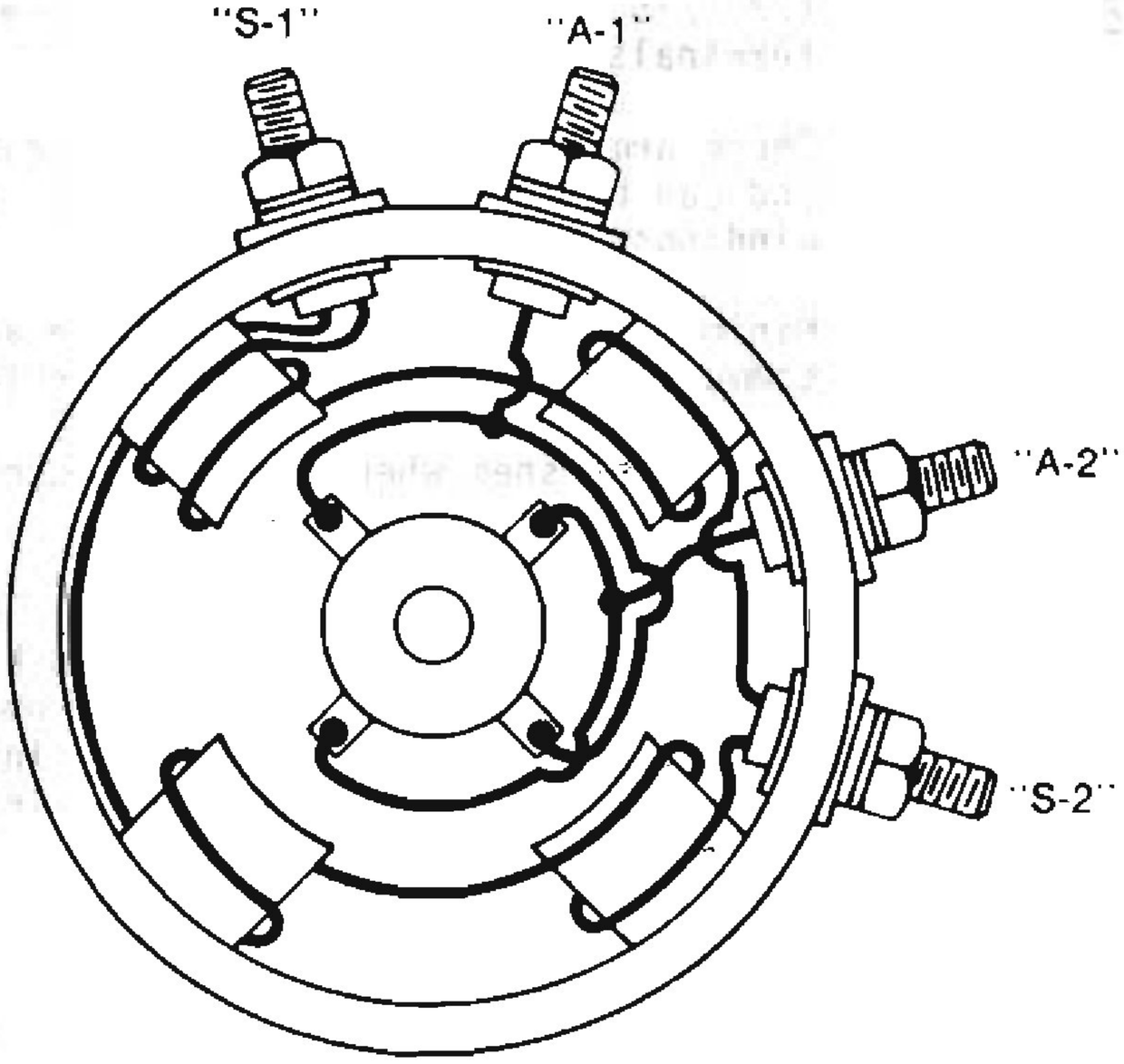
CWDE	CCWDE
Connect S-1 to Battery Postive	Connect S-1 to Battery Positive
Connect S-2 to A-1	Connect S-2 to A-2
Connect A-2 to Battery Negative	Connect A-1 to Battery Negative

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

	Terminal Voltage	Maximum Amps	RPM	Torque Ft. Lbs.
No Load Test	12	34	2480 Min.	0
Light Load Test	22.6	161	1530-1765	11

Unit
MTE-4001
MTE-4002
MTE-4003
MTE-4004

prestolite.
SERVICE
INFORMATION



VIEWED FROM COMMUTATOR END

Internal Wiring