VOLTAGE 24 ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED Yes FRAME DIAMETER 6-5/8"

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

FIELD RESISTANCE (77°F) — .0042 to .0052 ohms measured between terminals S-1 and S-2.

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

COMMUTATOR — Minimum diameter 2.750". 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 spring leaves the brush.

TEST CONNECTIONS

CWDE	CCWDE
Connect S-2 to battery positive	Connect S-1 to battery positive
Connect S-1 to A-2	Connect S-2 to A-2
Connect A-1 to battery negative	Connect A-1 to battery negative

TEST SPECIFICATIONS (77°F) Test in both directions of rotation.

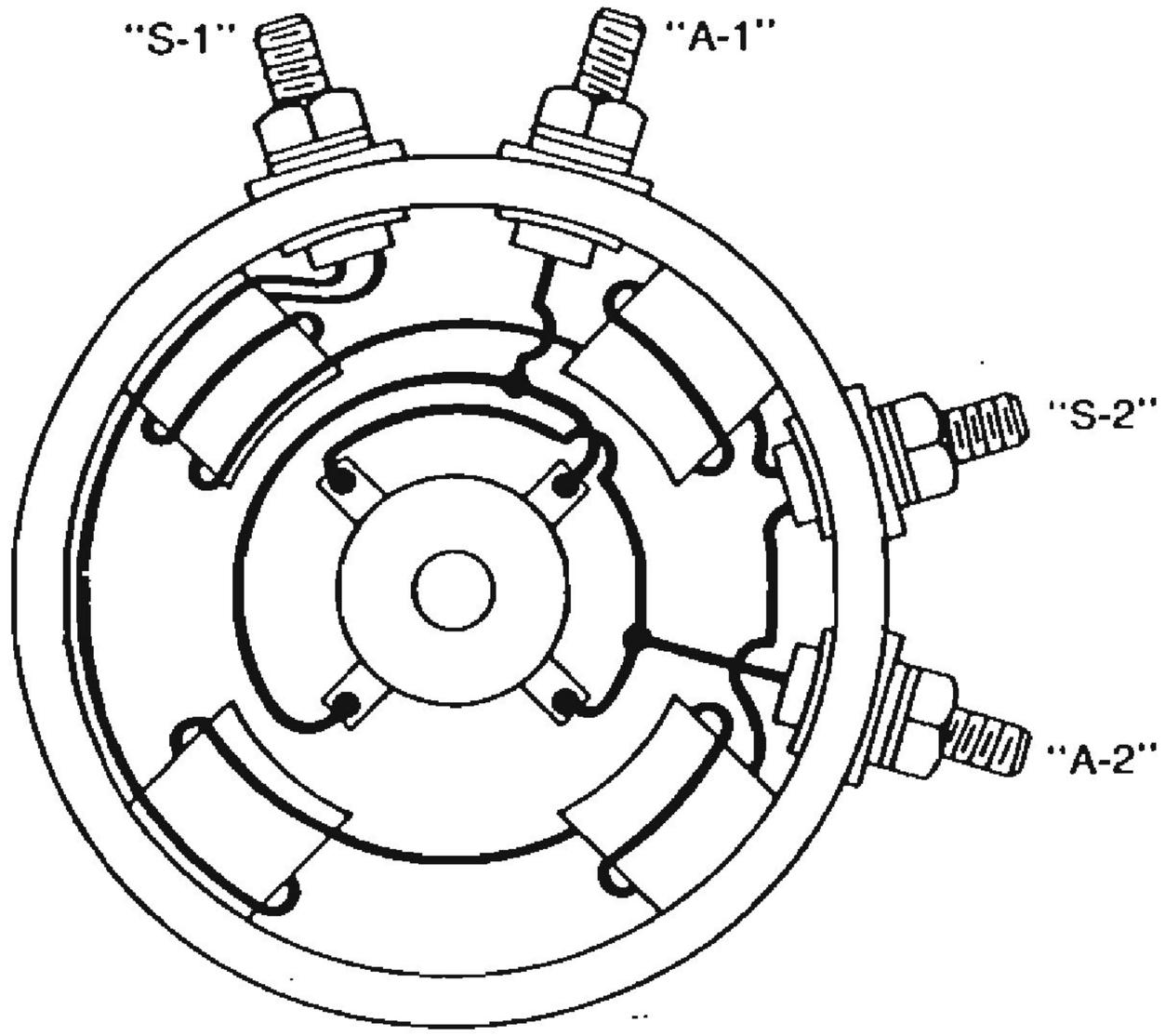
	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12	37.0	3000 Min.	0
Light Load Test	20.44	152	1810 to 2090	8.0

Unit

MSE-4001
MSE-4002

File in the → TRACTION MOTOR SECTION

prestolite.
SERVICE
INFORMATION



INTERNAL WIRING
VIEWED FROM COMMUTATOR END