VOLTAGE 36/48 ROTATION Reversible BRUSHES 12 POLES 4

VENTILATED Yes FRAME DIAMETER 13-1/4"

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

FIELD RESISTANCE — (77°F/25°C) .0046 to .0056 ohms measured between terminals S-1 and S-2.

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

BRUSH REPLACEMENT — Replace brushes when they have worn to a length of 15/16" or less.

SPRING TENSION — 24 to 28 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.

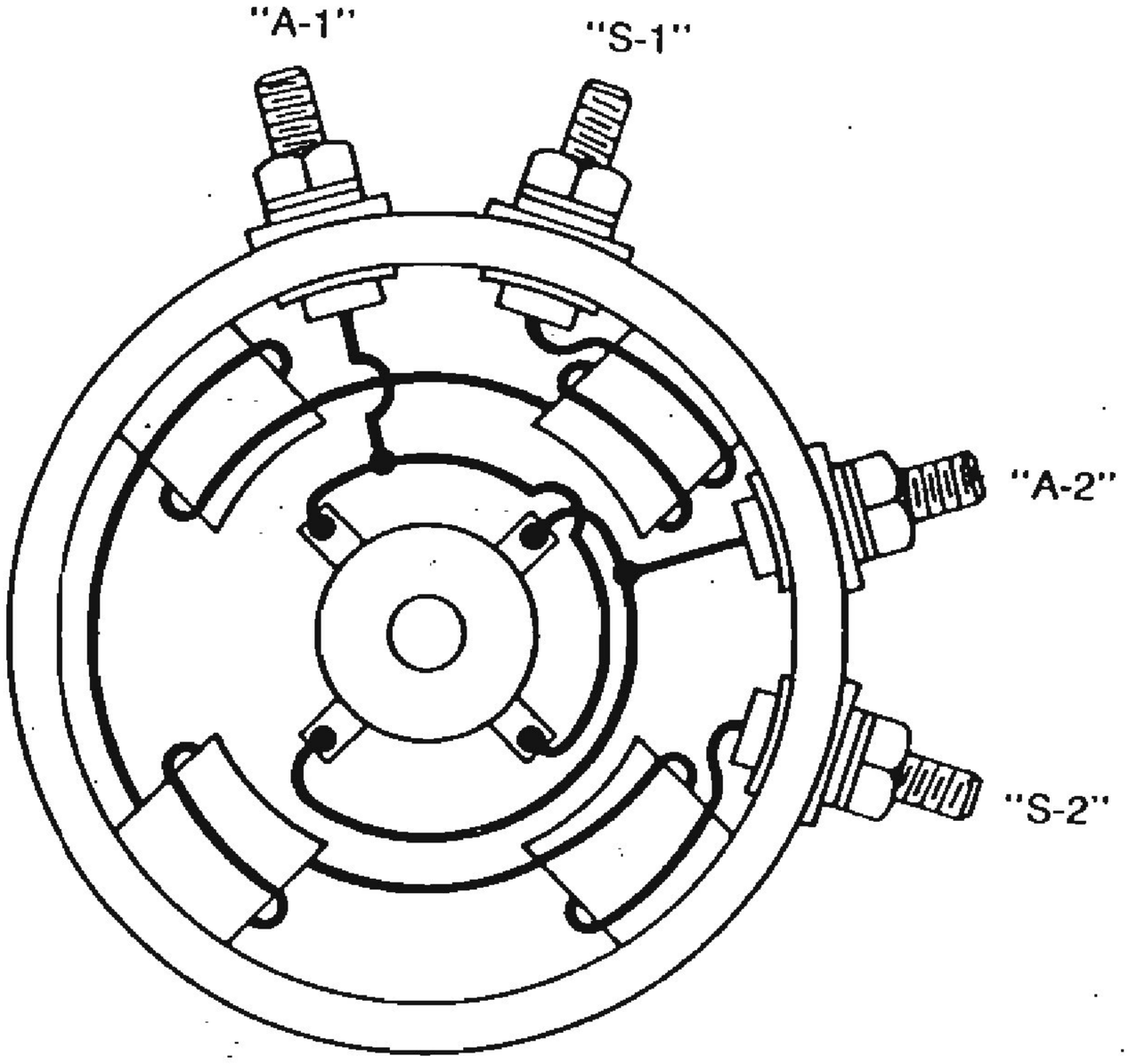
TEST CONNECTIONS

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

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

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	12.0	33	1270	0
Light Load Test	35.4	220	930 to 1070	40

prestolite.
SERVICE
INFORMATION



INTERNAL WIRING
VIEWED FROM COMMUTATOR END