VOLTAGE See Tabulation ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED See Tabulation FRAME DIAMETER 6-5/8"

LUBRICATION	None required. Prelubricated and sealed ball bearings used at both ends of motor.
FIELD RESISTANCE (77°F/25°C)	.0021 to .0025 ohms measured between terminals S-1 and S-2.
ARMATURE TEST	These armatures have standard winding connections and can be test on a growler using a metal strip or hacksaw blade to locate shorted windings.
COMMUTATOR	Minimum diameter 2.875". 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-1 to battery positive	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.

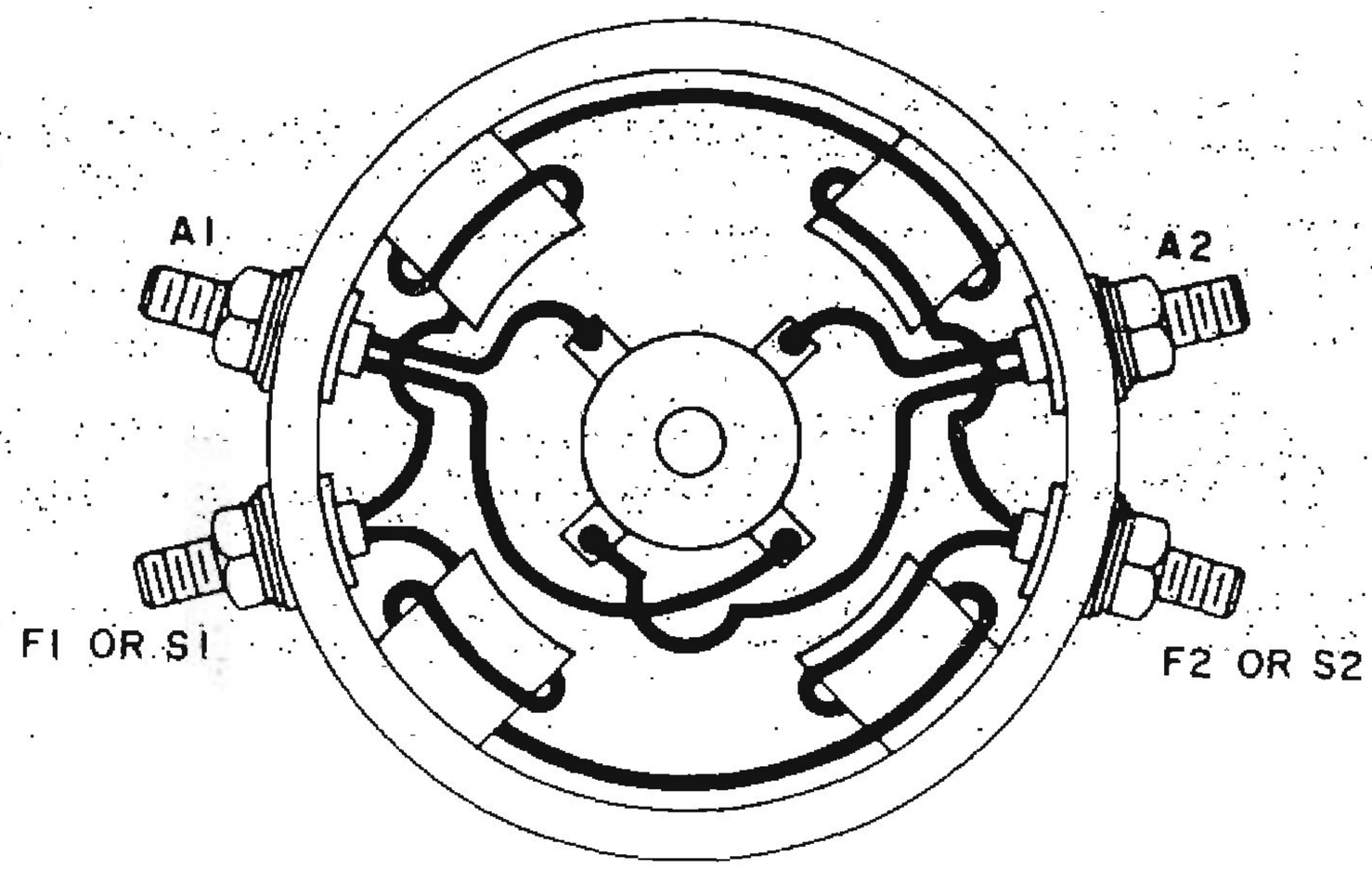
	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	6	32	2450 Min.	0
Light Load Test	16.9	152	2510-2800	5

prestolite.

SERVICE

INFORMATION

UNIT	VOLTAGE	VENTILATED
MJA-4001	18	Yes
MJA-4002	12	Yes
MJA-4003	12	No



VIEWED FROM COMMUTATOR END

Internal Wiring Diagram