prestolite SERVICE INFORMATION

MJN

Pump Motor

Revised 8/6/86

VOLTAGE See Tabulation

ROTATION CCWDE

BRUSHES 4

POLES 4

VENTILATED Yes

FRAME DIAMETER 6-1/2"

LUBRICATION

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

FIELD RESISTANCE (77°F/25°C) Series Coils - .0025 to .0029 ohms. Measure between terminal "S" and field strap.

Shunt Coils - 25.4 to 28.2 ohms. Measure between terminal "S" and field lead.

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 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 SPECIFICATIONS @ (77°F/25°C)

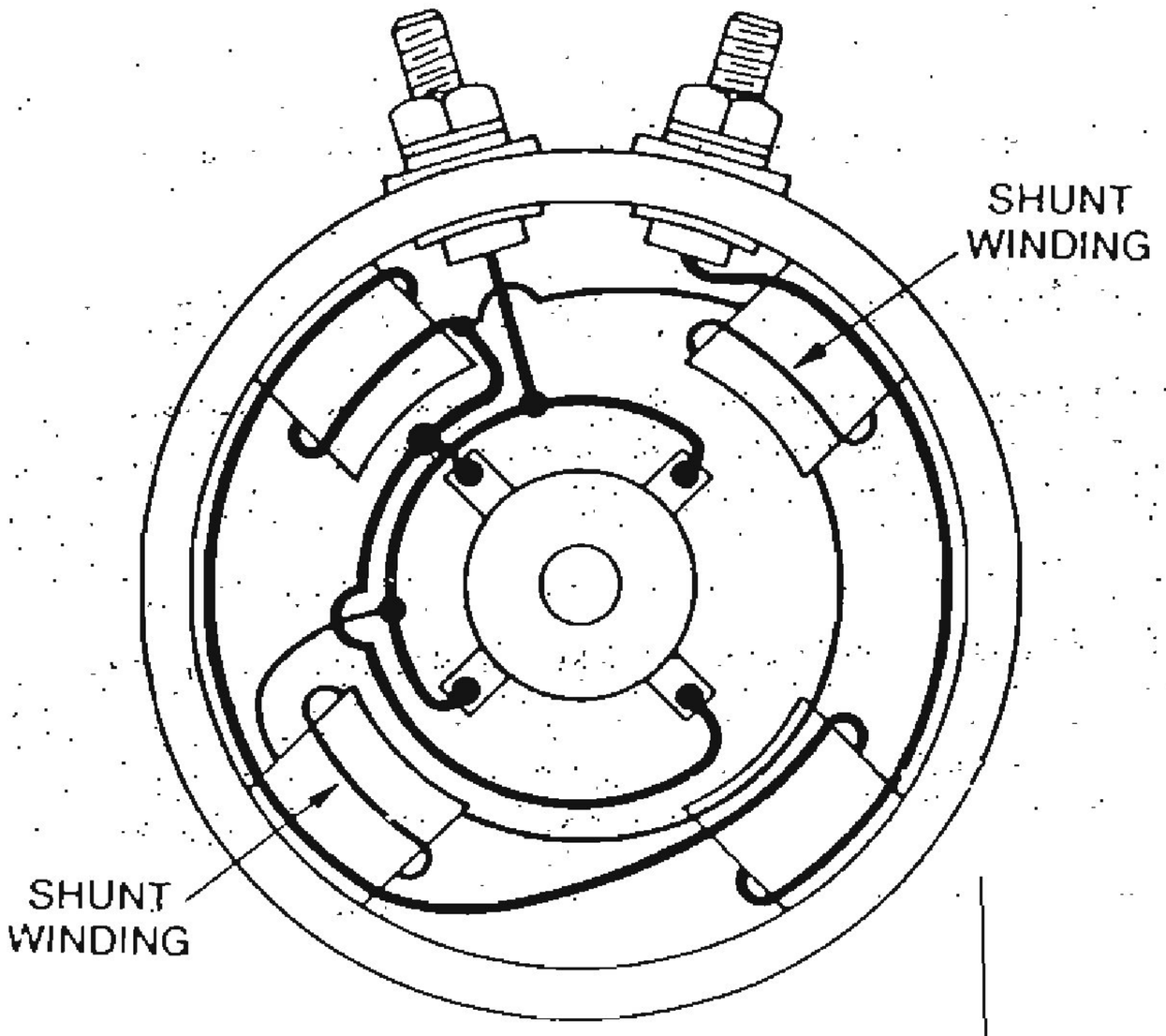
	Motor Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	24	12	2700 Min.	0
Light Load Test	24	38	2160 to 2460	2
	36	38	2850 to 3170	2
	48	38	3550 to 3980	2

UNIT	VOLTAGE
MJN-4001	36/48
MJN-4001A	36

...ted in U.S.A.

prestolite.
SERVICE
INFORMATION

UNIT	VOLTAGE
MJN-4002, A	24
MJN-4003	24
MJN-4005	36
MJN-4007	36
MJN-4008	24
MJN-4010	24



INTERNAL WIRING
VIEWED FROM COMMUTATOR END