prestolite SERVICE INFORMATION

MLY

Pump Motor

Issued 11/29/79

VOLTAGE 36 ROTATION CWDE BRUSHES 8 POLES 4

VENTILATED Yes DIAMETER 7-1/4"

BEARINGS Ball bearings used at both ends.

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

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.

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

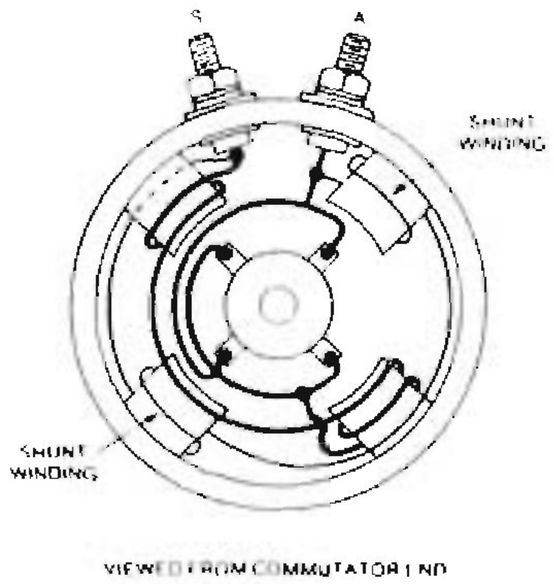
FIELD RESISTANCE (77°F/25°C) .0028/.0034 ohms measured between terminals "S" and field armature strap connector.

SHUNT RESISTANCE (77°F/25°C) 21.47/23.73 ohms measured between terminal "S" and "A".

TEST SPECIFICATIONS (77°F/25°C)

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No load test	36.0	27.0	3650	-0-
Light Load Test	34.5	155.0	2550 to 2950	10.0

Unit
MLY-4001
MLY-4002



VIEWED FROM COMMUTATOR END

File in the **1400 SERVICE MANUAL**

Pump Motor Section