VOLTAGE 24 ROTATION Reversible BRUSHES 4 POLES 4

VENTILATED No FRAME DIAMETER 4-1/2"

LUBRICATION

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

BRUSH REPLACEMENT

Replace brushes when they have worn down to a length of 5/16" or less.

SPRING TENSION

42 to 53 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.

POLE SHOE INSTALLATION

When replacing field coils, install the pole shoes so that the shorter edge is in a clockwise direction when viewed from the comm. end.

END PLAY

Adjust to .005" minimum with thrust washers at C.E. bearing. Refer to Parts & Equipment List for thrust washer package.

SHUNT FIELD DRAW

(77°F/25°C) 15 to 17.4 amperes at 24 volts.

TEST CONNECTIONS

CWDE
Connect Red wire to battery positive.
Connect Yellow and Black wire to battery negative
Connect Blue wire to White wire.

CCWDE
Connect Red wire to battery positive.
Connect Yellow and White wire to battery negative.
Connect Blue wire to Black wire

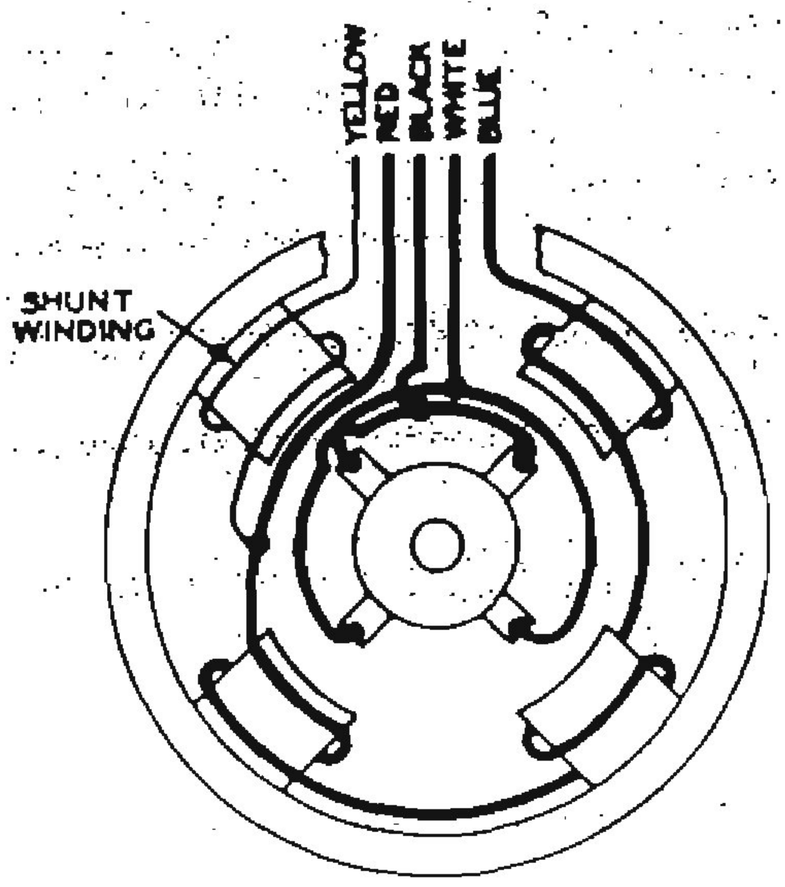
prestolite.
SERVICE
INFORMATION

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

	Terminal Voltage	Maximum Amperes	RPM	Torque Ft. Lbs.
No Load Test	24	18	1150	-0-
Stall Torque Test	6	52	-0-	65

Please note that once this Explosion Proof Motor has been disassembled and repaired, it is no longer considered to be U.L. Listed and/or approved.

Unit
MML-4001



VIEWED FROM COMMUTATOR END