VOLTAGE 36 ROTATION CCWDE BRUSHES 4 POLES 4

VENTILATED See Tabulation FRAME DIAMETER 6-1/2"

**LUBRICATION**

None required. 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 equalizer connections on the commutator and cannot be tested on a growler for shorted windings. Test to light load specification.

**SHUNT FIELD RESISTANCE (77°F/25°C)**

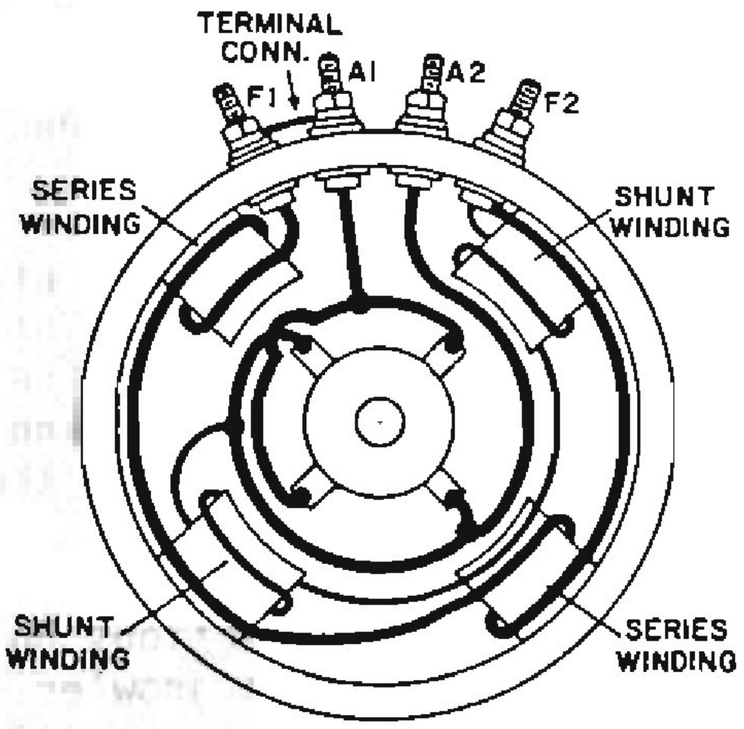
A resistance value of 15.20 to 16.80 ohms measured between field coil (ring) terminals except for MGQ-4001 and 4002, measure between F-2 and field (ring) terminal.

**TEST SPECIFICATIONS** (77°F/25°C)

| | Terminal Voltage | Maximum Amperes | RPM | Torque Ft. Lbs. |
|---|---|---|---|---|
| No Load Test | 36 | 10 | 2480 Min. | 0 |
| Light Load Test | 35.5 | 35 | 2060 to 2280 | 2 |

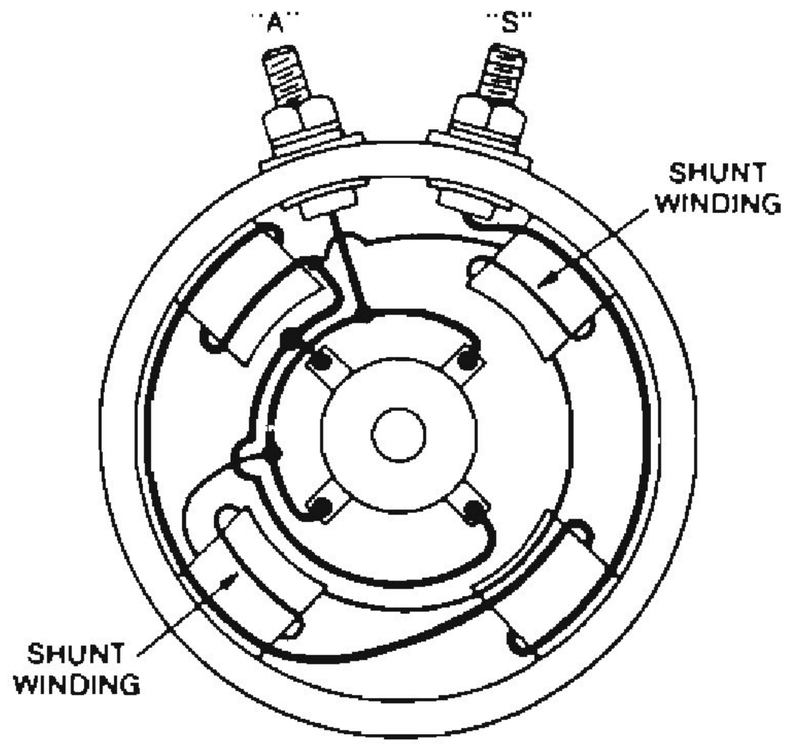
| UNIT | VENTILATED | INTERNAL WIRING |
|---|---|---|
| MGQ-4001 | No | Figure 1 |
| MGQ-4001A | Yes | Figure 2 |
| MGQ-4002 | No | Figure 1 |
| MGQ-4002A | Yes | Figure 2 |
| MGQ-4002B | No | Figure 2 |
| MGQ-4003,B | No | Figure 2 |
| MGQ-4005 | Yes | Figure 2 |
| MGQ-4007 | Yes | Figure 2 |

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SERVICE
INFORMATION




VIEWED FROM COMMUTATOR END

FIG. 1




VIEWED FROM COMMUTATOR END

FIG. 2