VOLTAGE 12 ROTATION CWDE BRUSHES 2 POLES 4

DIAMETER 3-1/16"

**LUBRICATION** Soak all bronze bearings in SAE 20. Allow to drain thoroughly before assembly. Lubricate "O" ring at drive end of armature with Lubriplate or equivalent before assembly. Lubricate splines on armature shaft with SAE 20 before installing Bendix unit.

**BRUSH REPLACEMENT** Replace brushes when they have worn to a length of 1/4" or less.

**SPRING TENSION** Spring tension should be 35 to 40 ounces when spring is compressed to 9/32".

**END PLAY** Adjust to .010" to .035" with thrust washers at commutator end. See Parts & Equipment List for thrust washer package.

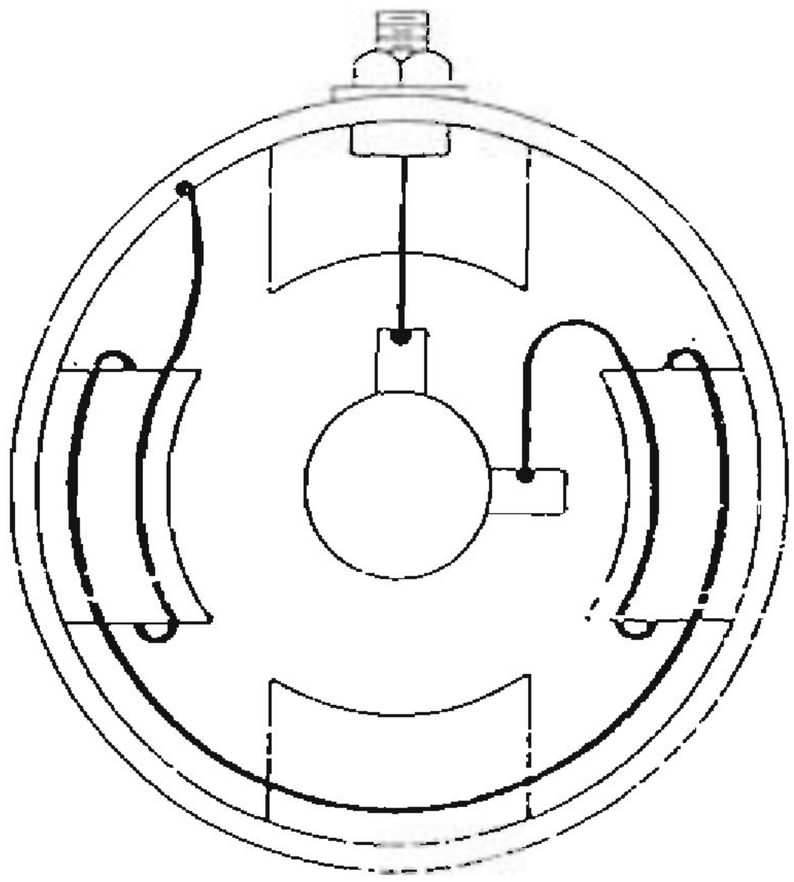
**TRANSMISSION** Bendix

**TEST SPECIFICATIONS** (77°F/25°C)

| | Terminal Voltage | Maximum Amperes | RPM | Torque Ft. Lbs. |
|---|---|---|---|---|
| No Load Test | 10.0 | 50 | 8,500 | - 0 - |
| Stall Torque Test | 4.0 | 300 | - 0 - | 3.2 |

| Unit | *Pinion Position |
|---|---|
| MJM-4001 | 1-41/64" - 1-51/64" |
| MJM-4002 | 57/64" - 31/32" |
| MJM-4003 | 57/64" - 31/32" |

* Pinion position made "at rest" position measured from mounting face to outside edge of pinion.



VIEWED FROM COMMUTATOR END