prestolite SERVICE MANUAL

SMALL MOTOR SECTION

(Issued 3-16-78)

These series type motors are reversible and are designed for electrical transmission shifts.

VOLTS 12 ROTATION Reversible BRUSHES 2 POLES 2

BEARINGS — Absorbent bronze bearings.

LUBRICATION — Bronze bearings are lubricated at assembly and do not require periodic lubrication. Do not clean bearings with grease solvent as it would wash all lubrication from the felts. At overhaul, soak felts in medium engine oil and coat bearings with a light grease.

SWITH — Separate

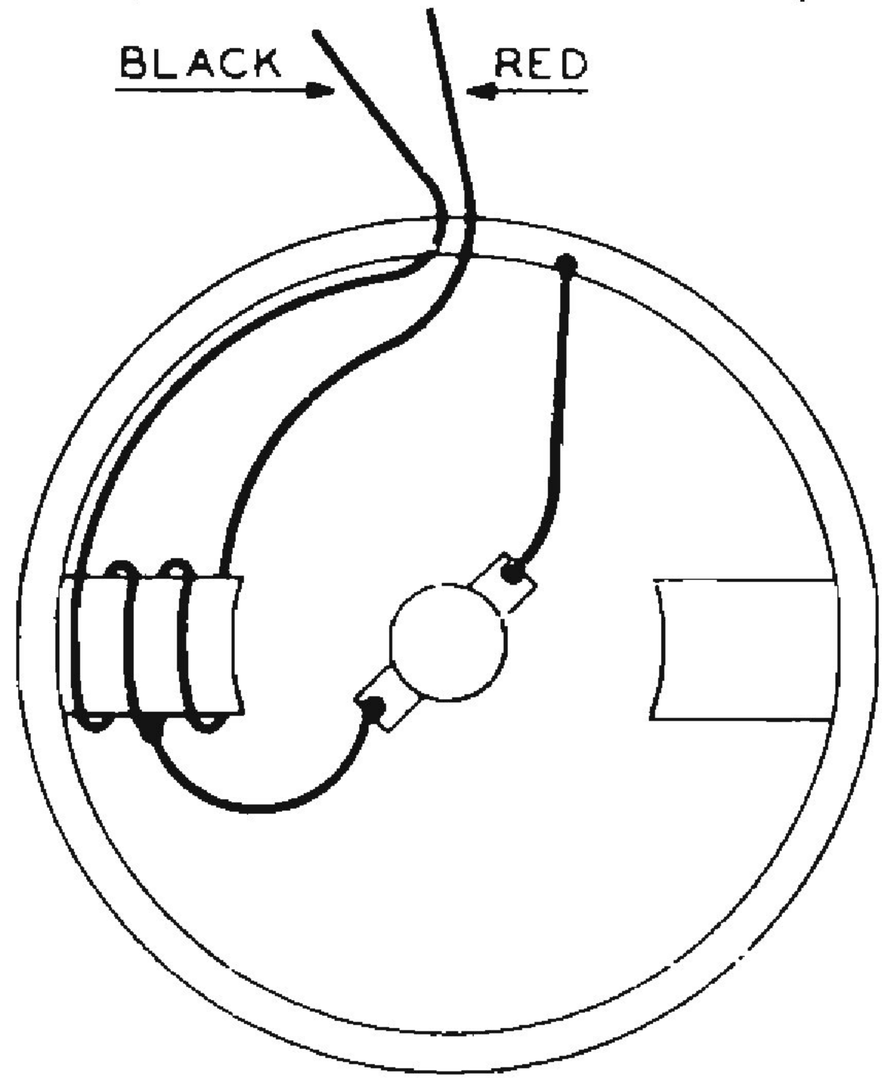
END PLAY — See Tabulation. Refer to Parts & Equipment List for thrust washer package.

TEST SPECIFICATIONS — Test in both directions of rotation

Free Running	12.0 volts, 8.0 maximum amperes
Load Test at 5.0 Ft. Oz.	12.0 volts, 35.0 maximum amperes, 1400 minimum RPM.
Stall Test	12.0 volts, 43.0 maximum amperes, 9.6 minimum Ft. Oz.

Unit	End Play	Special Instructions
ERU-4001	.005"-.018"	Note 1
ERU-4002	.005"-.018"	Note 1
ERU-4003	.005"-.025"	Note 1

NOTE 1 - Motor frame must be grounded. For CWDE rotation, connect red lead to battery. For CCWDE rotation, connect black lead to battery.



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