These shunt type motors are reversible and are used in electrically operated seat controls.

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 the bearings in 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.

SWITCH — Separate

END PLAY — Adjust to .003" to .030". Refer to Parts & Equipment List for thrust washer package.

CIRCUIT BREAKER — These motors have a thermal circuit breaker built in the commutator end head which protects the motor in the event of overloads.

Circuit Breaker Opens - In 4 to 11 seconds when passing 135 amperes at 77°F.
Circuit Breaker Remains Closed - When passing 28 amperes at 77°F.

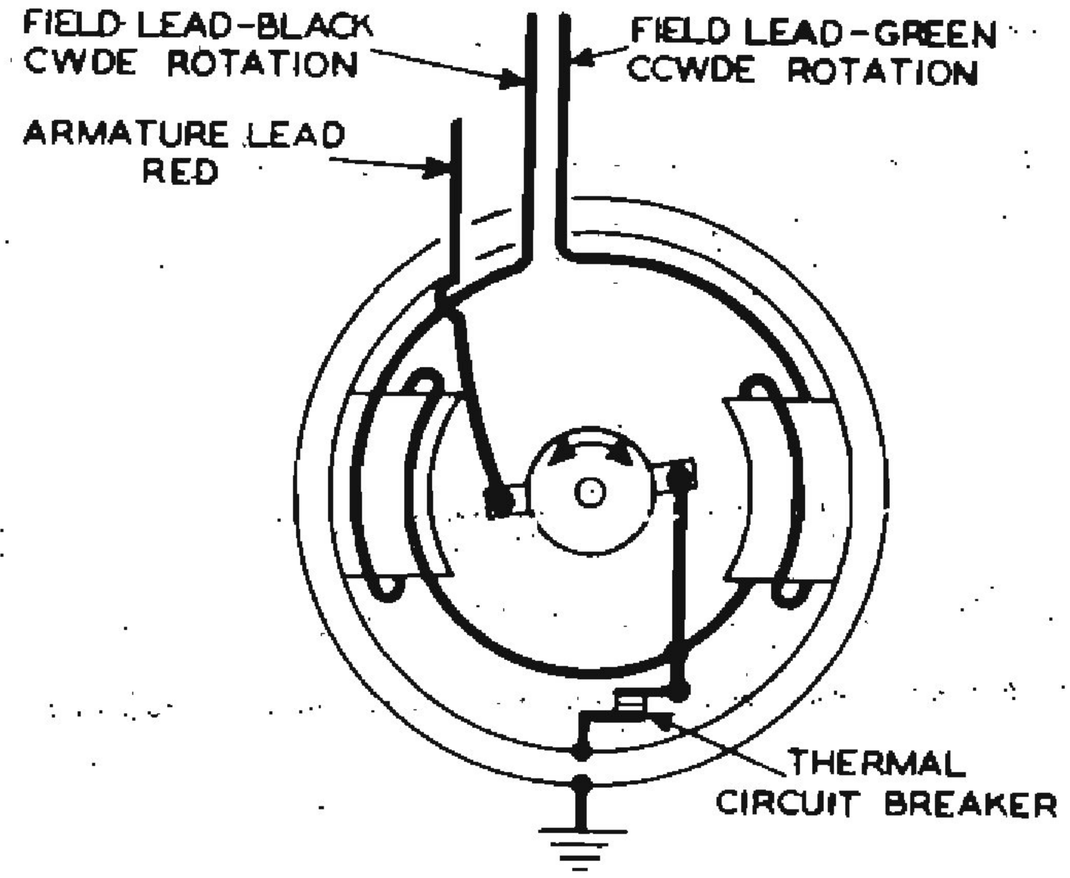
TEST SPECIFICATIONS — Test in both directions of rotation

Stall Torque	8.75 volts,	104 maximum amperes,	17 minimum Ft. Oz.
Free Running	11.4 volts,	22 maximum amperes,	3500 minimum RPM.
Load Test at 8.75 Ft. Oz.	10.6 volts,	51 maximum amperes,	2250-2550 RPM.

NOTE: For single wire system - motor frame must be grounded. For CWDE rotation, connect black and red leads to insulated battery terminal. For CCWDE rotation, connect green and red leads to insulated battery terminal.

Unit	Special Instructions
ERA-4001	See Note 1
ERA-4002	See Note 1

NOTE 1 - When disassembling this motor, use care when removing C. E. head so as not to bend circuit breaker by excessive tension from the field coil leads.



VIEWED FROM COMMUTATOR END