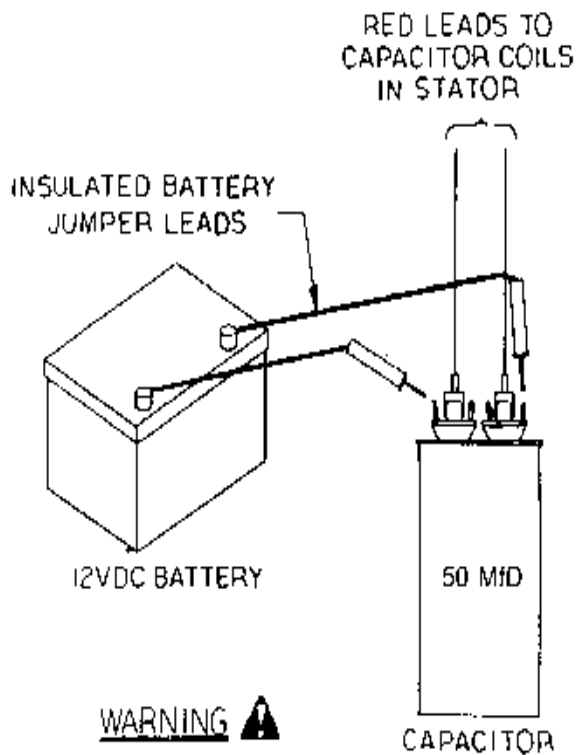


FLASHING THE FIELDS



TOUCH PROBES TO CAPACITOR
TERMINALS FOR NO MORE THAN
TWO (2) SECONDS.

If the rotor is ever removed from the system, or if the unit is not used for a period exceeding six months, it is an almost certainty that the residual magnetism stored in the rotor mass will be dissipated. The magnetism can be restored by "**flashing the fields**".

To accomplish this, run the unit at normal no-load speed. Connect a 12 VDC across the capacitor terminals for a period of one to two seconds. Polarity is not a concern in this procedure.

The exciter circuit is essentially an L-C tank and the brief application of a D.C. voltage sets up an oscillating current in the tank circuit. This current produces a small magnetic field that is strong enough to magnetize the mass of the rotor, which is made up of laminations of a special metallic material.

Do not disconnect the red leads from the capacitor that lead to the auxiliary windings in the stator. Merely run leads from the 12 V battery to the capacitor terminals and momentarily touch the leads to the capacitor terminals for a period not to exceed two seconds.