

### 18. GENERATOR.

Outline sketches of the generator are shown in figures 16 and 17. The d-c exciter winding and the a-c windings of the generator in this power unit are on the same shaft. The exciter current is taken from the commutator by four d-c brushes. The a-c output is obtained from two a-c collector rings. The unit is equipped with capacitors to reduce radio interference, and a voltage regulating relay. Two 30-ampere plug-type fuses in the switchbox protect the external load. Practical wiring diagrams of the unit with each type of switchbox are shown in figures 18 and 19.

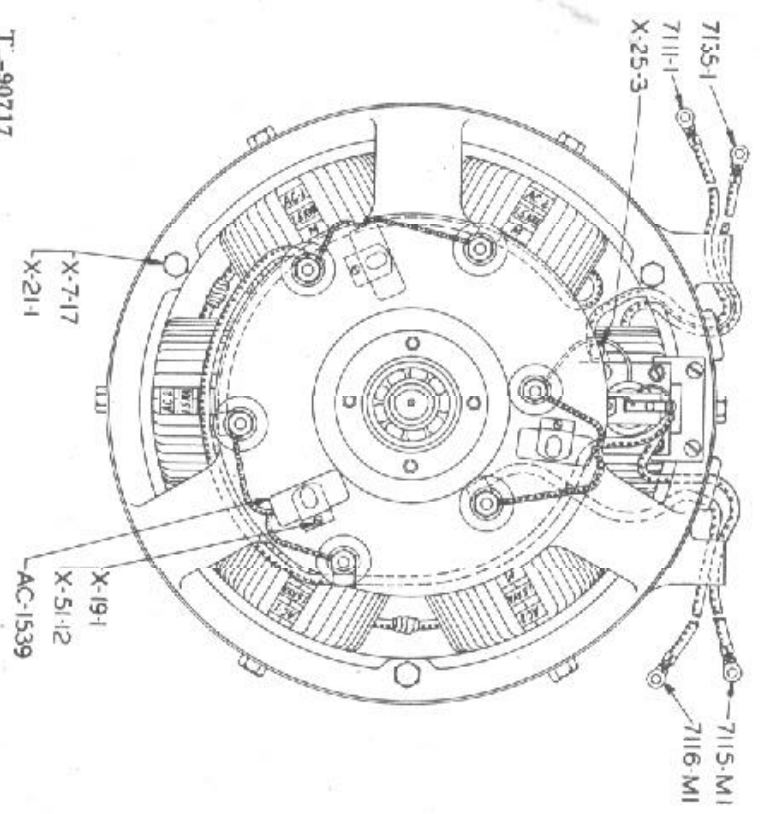


Figure 17. Generator machine sketch, end view.

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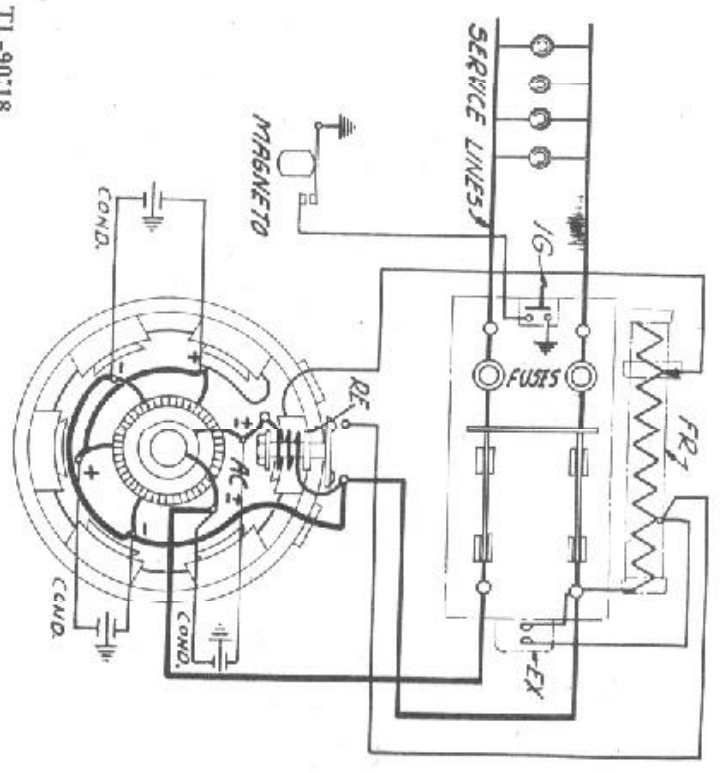


Figure 18. Wiring diagram, with ignition ground switch on switch box.

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