

The electrical current from the battery flows through the switch and into the regulator. When the battery voltage is lower than normal (less than 13.5V at the battery terminal), the current flowing through the armature away from the upper contact and the battery to the generator field coil. The strength of the magnetic field is depended upon the strength of the battery voltage. The current field coil is 1.6 A at a battery terminal voltage of 12 V. This produces an output voltage of corresponding strength which is used to charge the battery. (Fig. 8-1)

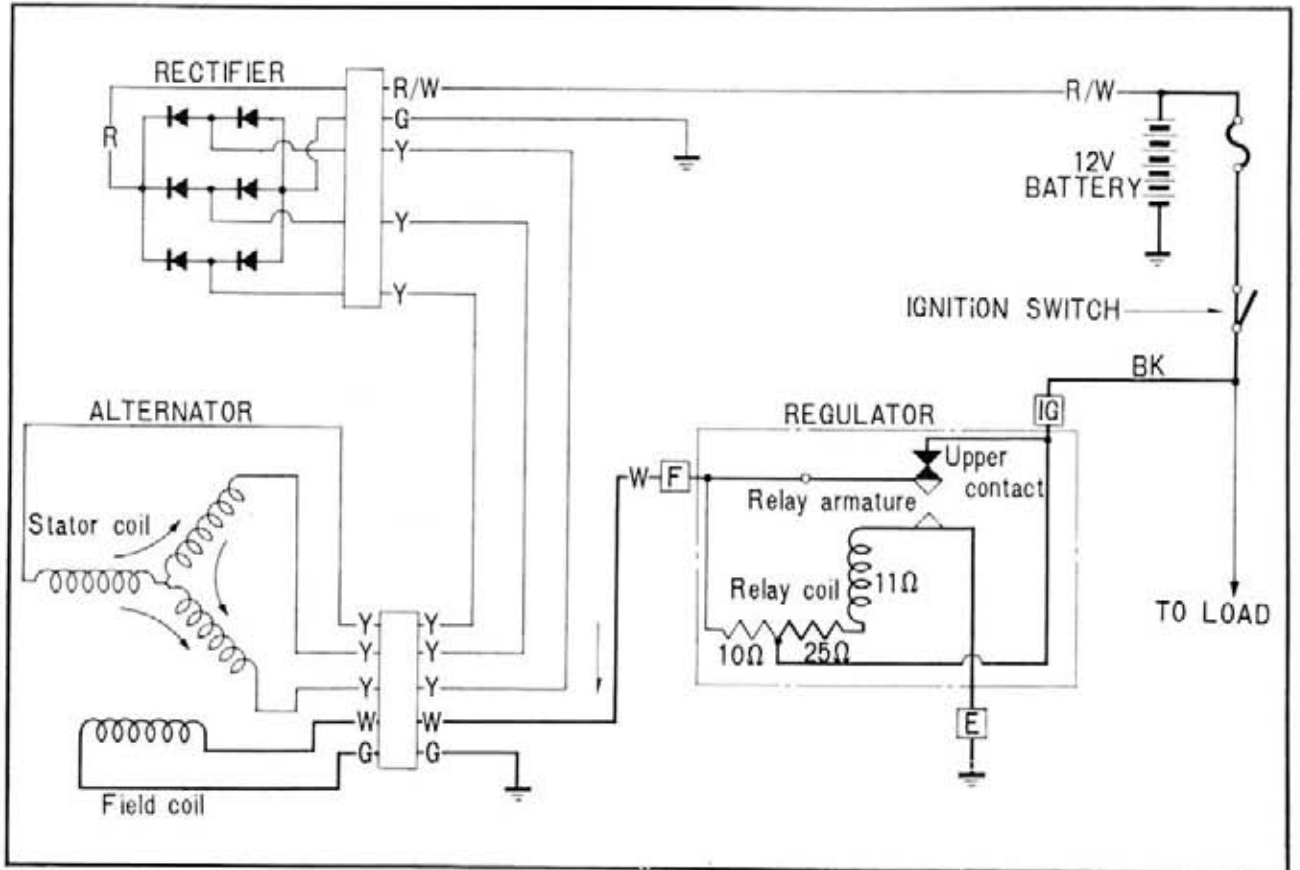


Fig. 8-1