



The 1990 Miata alternator is a three phase AC generator with the output converted to pulsating DC by the full wave (6 diode) rectifier. A half wave rectifier (3 diode) supplies power to the generator field, through the voltage regulator. The output of the alternator is connected directly to the battery through the B (bolted) terminal and the chassis ground, depending on the rectifier to prevent reverse current. A reference voltage is supplied to the voltage regulator by a constant hot line from the battery, through a fuse (terminal S). Startup power is supplied to the field by a line from the ignition switch, through the Batt. light and a diode, with two parallel resistors (terminal L). As best I can tell.