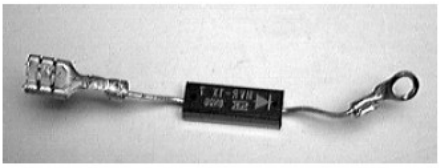
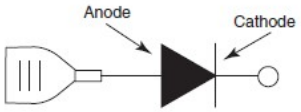
High Voltage Rectifier (Diode)



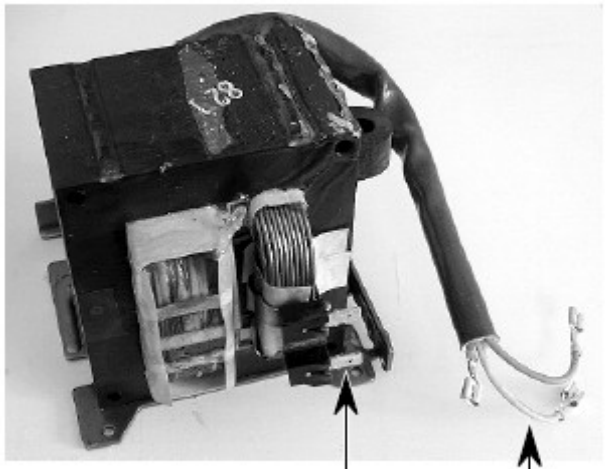


3. **To test the high voltage rectifier:**
   a) Disconnect the diode lead from the high voltage capacitor.
   b) Set the ohmmeter to the R x 1K scale.
   c) Touch the positive ohmmeter lead to the anode lead of the diode and the negative lead to the cathode. The meter should indicate continuity.
   d) Reverse the ohmmeter leads on the diode and the meter should indicate infinity.

High Voltage Capacitor

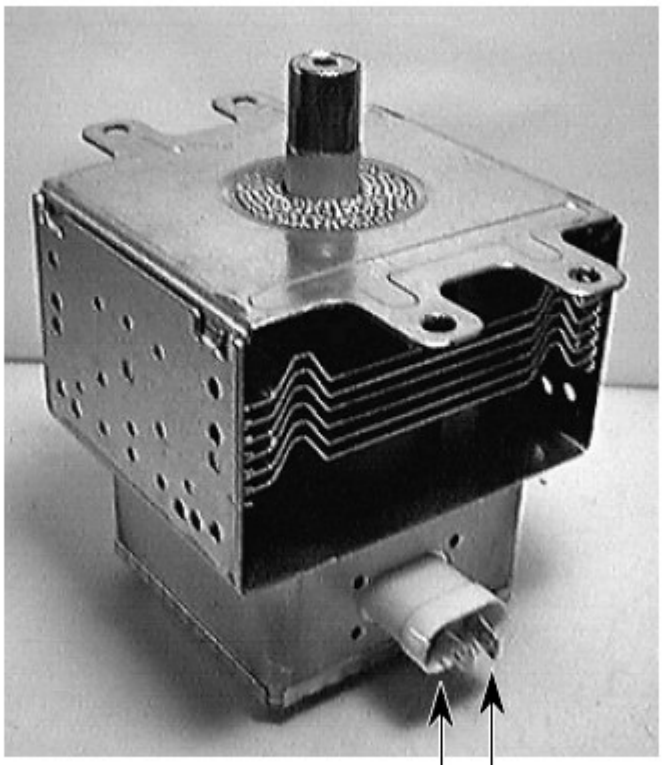
4. **To test the high voltage capacitor:**
   a) Disconnect the diode and wires from the high voltage capacitor terminals.
   b) Set the ohmmeter to the R x 1K scale.
   c) Touch the ohmmeter leads to the capacitor terminals. The meter should indicate several ohms, and gradually return to infinity.
   d) Touch one of the ohmmeter leads to the chassis and the other to the capacitor terminals. The meter should indicate infinity.

HIGH VOLTAGE TRANSFORMER



1. Disconnect the electrical power to the microwave/oven combination.
2. Disconnect the three high voltage transformer secondary wires from the high voltage capacitor and magnetron.
3. Disconnect the two wires from the primary terminals.
4. Set the ohmmeter to the R x 1 scale.
5. Touch the ohmmeter leads to the two primary terminals. The meter should indicate less than 1 Ω.
6. Touch the ohmmeter leads to the two orange/red (filament) wires. The meter should indicate less than 1 Ω.
7. Touch one ohmmeter lead to the light yellow secondary wire, and the other lead to the chassis. The meter should indicate 0 Ω.
8. Touch one ohmmeter lead to the primary and filament terminals, and the other lead to the chassis. The meter should indicate infinity.

MAGNETRON



1. Disconnect the electrical power to the microwave/oven combination.
2. Disconnect the wires from the filament terminals.
3. Set the ohmmeter to the R x 1 scale.
4. Touch the ohmmeter leads to the filament terminals. The meter should indicate approximately 0 Ω.
5. Set the ohmmeter to the R x 1K scale.
6. Touch one ohmmeter lead to the filament terminals, and the other lead to the chassis. The meter should indicate infinity.