Not Heating, No Power - MHC
Possible Solutions
What is the input voltage?
Check the input voltage at the high-voltage transformer primary input wires. If the voltage is not close to the rating voltage 120 ± 15 VAC, unplug the microwave oven or disconnect power. Check the circuitry as follows:

1. Measure resistance of the fuse, micro-switches, and thermostats. Replace any failed components. (Refer to the wiring diagram.)
2. Check for loose terminals. (Refer to the wiring diagram.) Check all of the terminals on the main route from the power supply to the high-voltage transformer.
3. Check for loose or failed connectors on the ACU (P1, P2, P4). If these check out OK, plug-in the microwave oven or reconnect power.
4. Check for ACU failure. Refer to the "ACU Pin Voltage Matrix."

If the input voltage at the high-voltage transformer primary input wires is close to the rating voltage 120 ± 15 VAC, unplug the microwave oven or disconnect power. Check the power supply components. Refer to "Component Tests."

- High-voltage transformer
- High-voltage capacitor
- High-voltage diode

If all high voltage components check out, replace the magnetron.
If the power supply components check out OK, check the connection between the magnetron and the high-voltage transformer. If all of the components check out OK, replace the magnetron. Reconnect the high-voltage transformer primary windings.
Check interlock switches
IMPORTANT: Before checking the interlock switches, unplug the microwave oven or disconnect power. Be sure to disconnect all of the wires at the switch being tested before doing any continuity readings.
NOTE: The Secondary Interlock Switch, Monitor Interlock Switch, Primary Interlock Switch and Door Interlock Switch are mounted in the door lock switch cradle. All the interlock switches can be identified by the wire colors that are connected to the terminals of the switches. See the chart below for wire color designation.
Primary Interlock
Switch Check By Door Open - Door Closed + (+) Continuity (-) No Continuity

1. Unplug the microwave oven or disconnect power.
2. Disconnect the wires at the Primary Interlock Switch.
3. Check from the common terminal (black/brown wires) to the normally open terminal (black/white wires).
4. Reconnect wires to switch.

Monitor Interlock
Switch Check By Door Open + Door Closed - (+) Continuity (-) No Continuity

1. Unplug the microwave oven or disconnect power.
2. Disconnect the wires at the Monitor Interlock Switch.
3. Check from the common terminal (white wire) to the normally closed terminal (blue/white wires).
4. Reconnect wires to switch.

Secondary Interlock

Switch Check By Door Open - Door Closed + (+) Continuity (-) No Continuity

1. Unplug the microwave oven or disconnect power.
2. Disconnect the wires at the Secondary Interlock Switch.
3. Check from the common terminal (white/blue wires) to the normally open terminal (blue/blue wires).
4. Reconnect wires to switch.

Door Interlock

Switch Check By Door Open + Door Closed - (+) Continuity (-) No Continuity

1. Unplug the microwave oven or disconnect power.
2. Disconnect the wires at the Door Interlock Switch.
3. Check from the common terminal (blue wire) to the normally closed terminal (orange wire).
4. Reconnect wires to switch.

NOTES: These diagrams are not intended to show a complete circuit; they represent the position of switches during “DOOR OPEN” or “DOOR CLOSED” (continuity checks only). Interlock and Monitor switches cannot be adjusted, and all these switches should be replaced if any one of them is found to be defective. After replacing interlock/monitor switches, reconnect wires to switch and check for continuity.