Install jumper wire from N.O. terminal to the COM terminal. Does water heater operate now? Make sure this test is done with the wiring still connected.

Check sensor leads for proper resistance with OHM meter. See APPENDIX A on next page for correct ohm readings. Are sensor readings correct?

Check continuity for loose, broken, or shorted wire. Replace sensing bulb or wiring harness as necessary.

Draw water from the T & P valve. Compare temperature with temperature ohms chart (Appendix A).

Replace temperature (circuit) board.

NOTE

Check remote temperature dial for proper resistance. Proper readings should be greater than 4800 Ohms at minimum setting and less than 50 Ohms at maximum. Are the readings correct?

Replace remote temperature control.

Do you have 110 - 120 VAC at black and white wires on the transformer?

Do you have 22 - 27 VAC at TR-C & TR-H on transformer.

Do you have 22 - 27 VAC at TR & TH on the module?

Do you have 22 - 27 VAC at terminals PV & PV/MV on the gas valve.

Do you spark at the pilot assembly?

Do you have gas flow to the pilot assembly?

Clean and adjust pilot assembly.

Check AC source to determine why no power.

Replace the transformer.

Recheck steps 1 & 2

Replace the module.

Check wires, replace ECO & Sensor if necessary.

Inspect pilot assembly. If checks ok, replace module.

Inspect pilot orifice for any obstructions. If gas pressures are within specifications, replace gas valve.

Be Careful When Making Voltage Measurements or Jumping Terminals Not to Damage or Deform Connectors or Connector Pins

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