

High Limit Thermostats

Location & Function

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During all modes...

Line voltage continually flows thru the normally closed contacts of the two high-limit thermostats. This circuit powers all of the line voltage components, except for the Fan System.

If the temperature at either of the thermostats exceeds 450°F (+25°) / 232°C (+14°), the thermostat contacts open. This interrupts power, and terminates the cycle. *[An error code will appear on the display].*

The thermostat contacts reset to the closed position at approximately 325°F / 163°C.



Models:
Serial Numbers:

ALL

High-Limit Thermostats

B-31

Component Testing & Repair

High Limit Thermostats

Testing

Note

High-limit thermostats must be tested at room temperature.



High-Limit Thermostat Test

Step 1: Disconnect wires from thermostat.

High-Limit Thermostat Test

Step 2: Place meter probes on thermostat terminals.
[Set meter to 200 ohms (Ω)]

Acceptable Range:



High-Limit Thermostat Test

If reading is (approximately) 0.00 ...
High-limit thermostat is good.

If reading is OL...
Replace high-limit thermostat.

High-Limit Thermostats

Models:
Serial Numbers:

ALL

Component Testing & Repair

High Limit Thermostats

Replacement

Refer to:	Page
Draining the Reservoir	C-4
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Removal
Step 1: Drain water from reservoir.

Removal
Step 2: Disconnect wires from both thermostats & heating element.

Installation
Step 3: Connect wires to both thermostats & heating element.

Wire Connections
 white jumper wire between thermostats
 yellow wire thermostat
 red wire thermostat
 brown wire heating element
 brown/white wire heating element

Removal
Step 4: Remove bracket & thermostats.

Installation
Step 1: Place the thermostats & bracket in position.

Installation
Equipment Alert

 Inspect heating element gaskets & wire spacer (inside chamber) before tightening nuts.
Step 2: Install brass washers, lockwashers, & nuts onto heating element.

Removal
Step 3: Remove nuts, lockwashers, & brass washers from heating element.

MA6655000i

Models:	ALL			
Serial Numbers:				

High-Limit Thermostats