Indigo Xtreme™
Installation Troubleshooting Checklist
12-22-09

Should you experience any issues with Indigo Xtreme installation, please see the following possible causes and solutions (based upon internal testing and customer feedback):

<table>
<thead>
<tr>
<th>Condition</th>
<th>Possible Cause/Solution</th>
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| 1. Low thermal performance | 1. Heat sink/block clamping force inadequate (*increase clamping force*);  
2. Not all burn programs running (*8 programs needed for Core i7 CPUs*);  
3. At least one fan operating during reflow (*all case fans and CPU fan must be off. It is also recommended to close the PC case during reflow.*);  
4. For water cooling: Pump is operating during reflow (*pump must be off; separate the CPU cooling loop from the GPU and Motherboard components with another loop/air cooling*);  
5. Insufficient time with burn programs running (*See reflow temperature profile; CPU or Indigo Xtreme will not be damaged if burn programs running longer than specified*);  
6. Top or Bottom liner was left on (*be certain to remove liners before heat sink installation*) |
| 2. No reflow; PCMA still in shape of horseshoe | 1. See Condition #1;  
2. Heat sink clamping force excessive/inadequate (*use uniform force; do not over tighten adjustment screws*) |
| 3. Did not see reflow temperature profile per installation guide description | 1. See Condition #1;  
2. Reflow occurred before SpeedFan monitoring tool opened:  
   a. Disable Hyperthreading;  
   b. Be certain CPU at stock clock/voltage prior to boot-up;  
   c. Close out all background programs prior to burn-in;  
   d. Put SpeedFan/equiv. in your startup group so Windows launches it at boot-up;  
   e. Open the SpeedFan temperature graph as soon as possible;  
   f. Quickly activate burn programs for all cores |

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