

This Technical Advisory describes an issue which may or may not affect the customer's product

Intel Technical Advisory

TA-0935-1

5200 NE Elam Young Parkway
Hillsboro, OR 97124

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Careful Removal and Installation of Thermal Solution Required

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Products Affected

SE22554 / SE24717
MFS5520VI / MFS5520VIB
BB5500BC / S5500BC / SR1630BC
BBS5500WB / BBS5500WB12V / S5500WB/ S5500WB12V
BB5500HCV / BB5520HC / BB5520SC / S5500HCV / S5520HC/ S5520SC
BB5520UR / SR1600UR / SR1600URHS / SR1625UR / SR1625URSAS / SR2600URBRP / SR2600URLX
/SR2625URBRP / SR2625URLX / SR2625URSAS

Description

Improper removal and installation of the heatsink can break screws during the integration of the server platforms. Please review this information before performing any system integration and perform the steps outlined below for installation and removal of the heatsink, to avoid damage.

Corrective Action / Resolution

CAUTION: *The heatsink screw installation must be done at low Revolutions Per Minute (RPM). Use of Power drivers is not recommended.*

Removing the Heatsink

To remove the heatsink, follow these steps:

1. Loosen the four captive screws on the heatsink corners in a diagonal manner according to the numbers shown in Figure 1 as follows:
 - a. Starting with the screw at location 1, loosen it by giving it **two rotations** in the anticlockwise direction and stop. (**IMPORTANT:** Do not fully loosen.)
 - b. Proceed to the screw at location 2 and loosen it by giving it two rotations and stop.
 - c. Loosen screws at locations 3 and 4 by giving each screw two rotations and then stop.
 - d. Repeat steps 1a through 1c by giving each screw two rotations each time until all screws are loosened.
2. Lift the heatsink from the board.
3. Remove and discard the spacer (see letter "C" in Figure 1).

Note: The system is shipped with a spacer installed between the heatsink and the processor socket to protect the socket protective cover. This spacer will need to be removed and discarded before installing the processor.

Installing the Heatsink

You must install the processor before installing the heatsink. For instructions, see the User/Service Guide for your server.

To install the heatsink, follow these steps:

1. Remove the protective film on the TIM if present.
2. Orient the heatsink over the processor as shown in Figure 1. The heatsink fins must be positioned as shown to provide correct airflow through the system.
3. Set the heatsink over the processor, lining up the four captive screws with the four posts surrounding the processor.
4. Loosely screw in the captive screws on the heatsink corners in a diagonal manner according to the numbers shown in as follows:
 - a. Starting with the screw at location 1, engage the screw threads by giving it two rotations in the clockwise direction and stop. (IMPORTANT: Do not fully tighten.)
 - b. Proceed to the screw at location 2 and engage the screw threads by giving it two rotations and stop.
 - c. Engage screws at locations 3 and 4 by giving each screw two rotations and then stop.
 - d. Repeat steps 4a through 4c by giving each screw two rotations each time until all screws are lightly tightened up to a maximum of 8 inch-lbs torque.

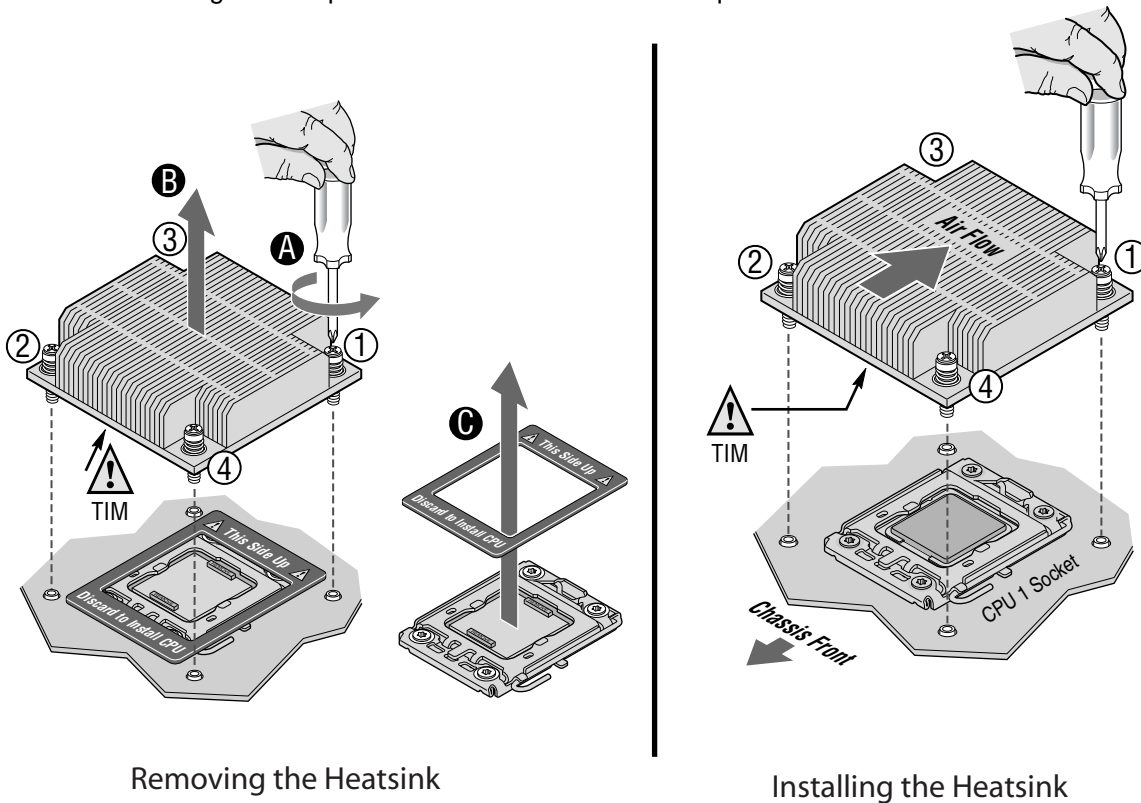


Figure 1: Removing and Installing the Heatsink

Please contact your Intel Sales Representative if you require more specific information about this issue.

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