

Dell GX110 PIII CPU Removal and Reinstallation Standards (HIGH SCHOOLS ONLY)

For ease of work, have the back side of chassis face towards you

REMOVAL PROCEDURE

Remove Green Chassis Fan Cover

- Lift upward the two side green plastic lever as shown in Figure 1.

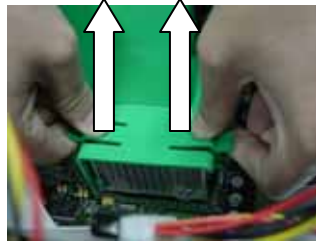


Fig. 1

- Tilt green plastic cover upwards and towards the back of chassis until it lifts off

Remove Chassis Fan

- Press Black button lever down
- Slide fan unit downward and remove from chassis

Release Power Supply Unit

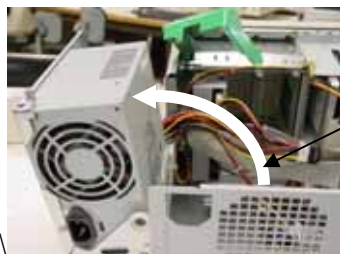
- Release power supply unit by pressing button to the left of the green arrow in Figure 2.



Notice the green colored arrow here

Fig. 2

- Tilt the PSU all the way to the left shown in Figure 3.



Tilt up and out to outside of chassis

Fig. 3

Removing the CPU

- Release the heat sink hold down lever by pressing the large tip towards the CPU shown in Figure 4.

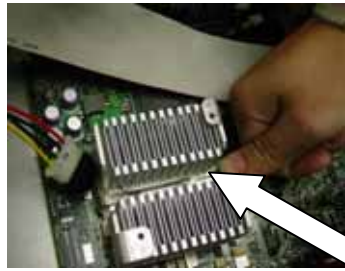


Fig. 4

Notice the green colored tip

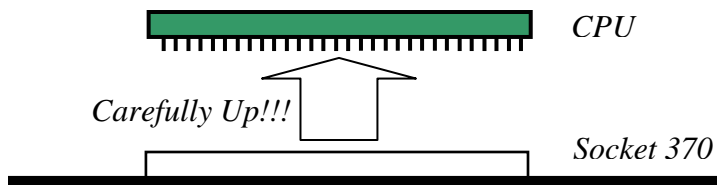
- Once loose, remove the hold down lever
- Push socket lever arm away from CPU and lift up all the way until it stops in Figure 5.

Push lever away from socket and lift up.



Fig. 5

- Remove the heat sink by pulling it upwards
- Remove the CPU gently by pulling it directly upwards (**BE VERY CAREFUL**)



- Please note that PIN 1 on the socket is the TRIANGLE marker
- Please note also that PIN 1 on the CPU is also the TRIANGLE marker as in Figure 6.



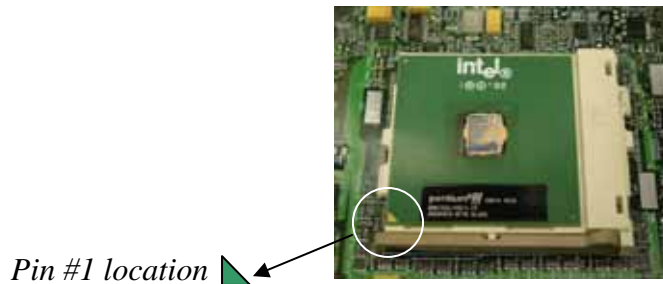
Pin #1 location

Fig. 6

REINSTALLATION PROCEDURE (Reverse of REMOVAL PROCESS)

Re-installing the CPU

- Turn the CPU over and check to see that none of the pins are bent
- Be aware of PIN 1 TRIANGLE marker on the CPU and CPU socket



- Place CPU directly on top of socket gently (**IT SHOULD FIT IN EASILY**)
- Push socket lever arm down and then away from CPU socket until it clicks in place
- Place CPU heat sink with extension metal tab facing the expansion assembly
- Hook the back side of the heat sink hold down lever on the socket clip
- Hold the back end of the lever with the left hand and press down and inward with right hand (**VERY IMPORTANT:** Be sure the lever snaps in place)

Re-installing Chassis Fan

- Place chassis fan directly with plastic clips towards chassis back and align with mount holes
- Slide fan upward until it clicks

Re-installing the Green Plastic Cover

- Hook plastic tabs into top of chassis fan
- Tilt cover downward towards the CPU
- Press in place