BUILDING A PC FOR DUMMIES

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THE MENU

1. Place Motherboard on workstation
2. Install processor
3. Install fan
4. Install RAM
5. Install video cards
6. Mount Motherboard
7. Front Panel
8. Power button
9. Hard drive
10. Optical drive
11. SATA
12. Power supply

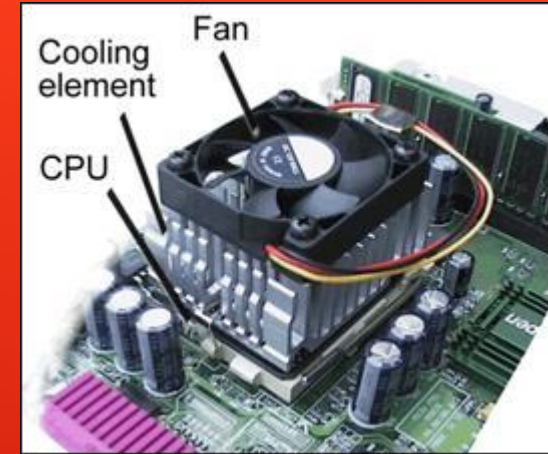# PLACE MOTHERBOARD ON YOUR WORKSTATION

Back

INSTALLING PROCESSOR

1. Flip Processor socket lever.

2. Grab the processor gently.

3. Line up the processor directional arrow with the arrow on the socket.

4. Put processor in the socket.

5. Close the socket via the lever

6. Apply the thermal paste, if necessary.

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INSTALL FAN

Cooling element — Fan — CPU

1. Place the heat sink fan on top of the processor.

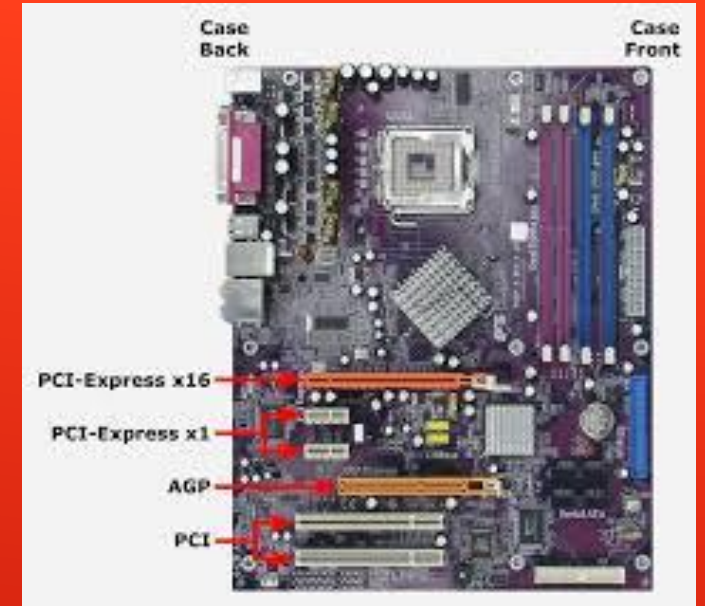2. If necessary, snap the pins into the holes.

Back

INSTALL RAM

1. If not already open, open the RAM tabs.
2. Slide the RAM card into socket.

INSTALL PCI CARD(S)

1. Remove the top slot on the back of computer case

2. Remove plate and slide PCI card into place

3. Press card into socket

4. Screw bracket into place

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MOUNT MOTHERBOARD

1. Take out the I/O shield

2. Line up the motherboard with the screw holes

3. Grab the standoffs

4. Screw them into the holes

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INSTALL THE FRONT PANEL

1. Grab cable labeled USB
2. Plug it into slot on motherboard called USB
3. Grab cable labeled 1394
4. Plug it into slot on motherboard called 1394
5. Grab cable labeled HD
6. Plug it into slot on motherboard called HD
7. Grab cable labeled Audio
8. Plug it into slot on motherboard called Audio or Aud

Depending on Motherboard and case

INSTALL THE POWER BUTTON AND LED

1. Find eight cables
2. Find the 8-pin header
3. Plug the cables into the 8-pin header (varies where it is on the motherboard)

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INSTALL HARD DRIVE

1. Pull out hard drive tray
2. Put the HDD in the tray
3. Screw in the HDD on the tray
4. Slide tray back in

OR

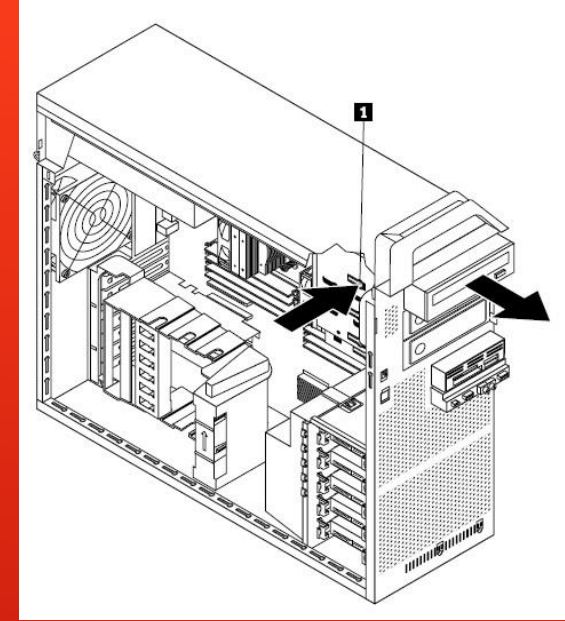1. Slide bare HDD in
2. Screw it in to the HDD bay

Back

Depending on the motherboard and case

INSTALL OPTICAL DRIVE

1. Pull out the plastic cover
2. Screw the drive into place

Back

INSTALL SATA

1. Find the skinny black plug that protrudes from the power supply called, "The power cable."

2. Plug it in the long pin on the HDD

3. Find the red wire that came with the motherboard called, "the data cable."

4. Plug it in the short pin on the HDD.

5. Plug the other end, if not already, into sockets on your motherboard labeled, "SATA."

6. Repeat as many times as you have to.

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MOUNT POWER SUPPLY

1. Find the power rectangle

2. Put the power supply fan toward the holes

3. Screw screws into the power supply

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