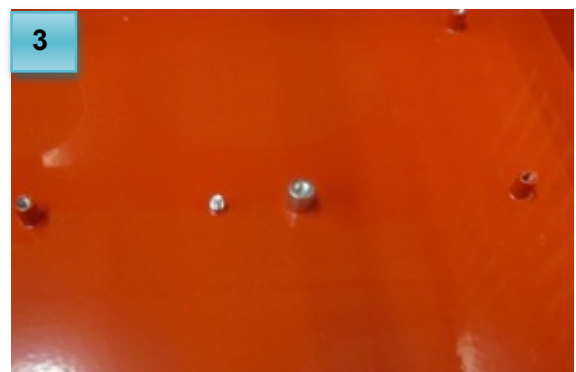
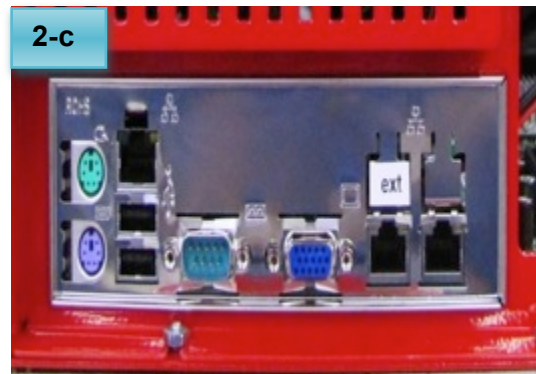
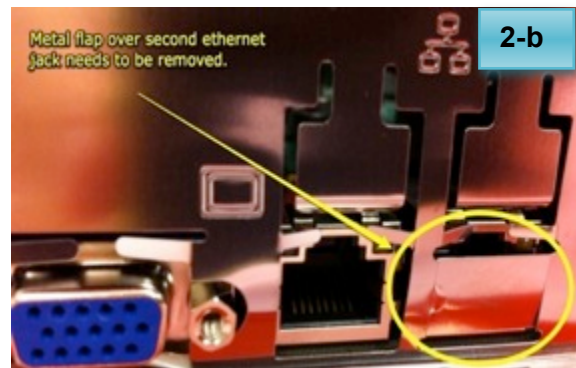
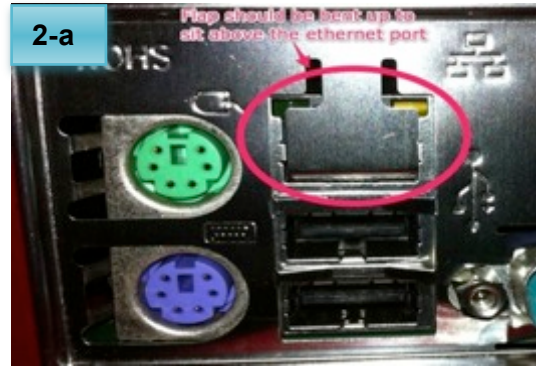


These instructions are guidelines in building a Storage Pod.

Use flat head screws for the outside of chassis and pan head screw for inside of chassis.

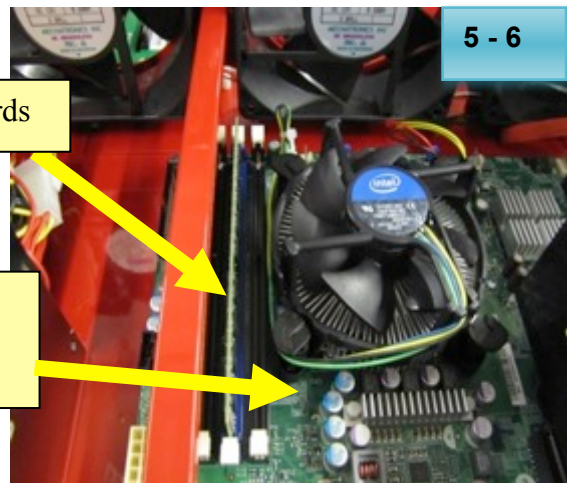
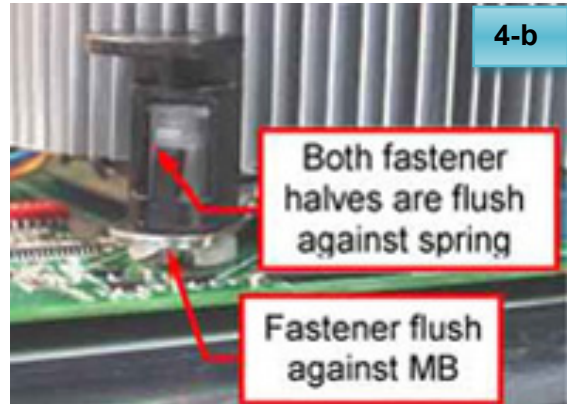
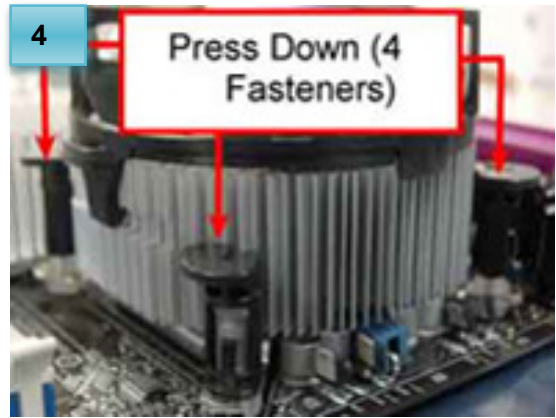
1. Take the main chassis and check the chassis to make sure it is not bent or damaged.
2. On the rear of the chassis set up the Ethernet posts.
  - a. Bent the flap up to sit above the Ethernet port.
  - b. Remove the metal flap over second Ethernet jack.
  - c. Affix a label "ext" to head cover of the active Ethernet port.
3. Inside the chassis, install a standoff to chassis.



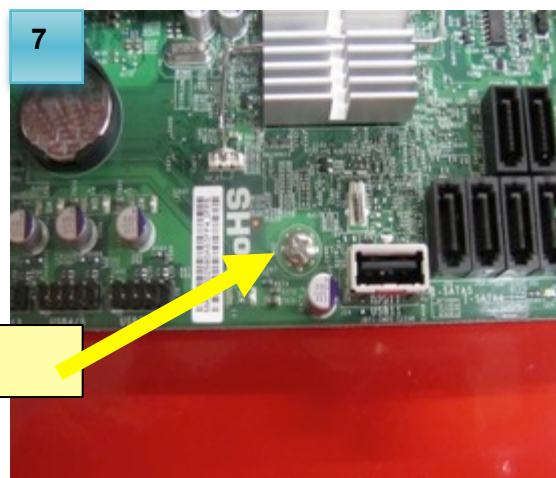
4. Take out motherboard and CPU from their respective boxes. Install the CPU on the motherboard.

**Be very careful not to touch the surface of the CPU or damage the pins on the motherboard.**

- a. When installing CPU Fan make sure all fasteners are pushed and lock into place on motherboard in 4 places.
- b. While holding heatsink, press down on fastener caps with thumb to install and lock. Ensure both fastener cap and base are flush with spring and motherboard.



5. Install 2 memory boards to motherboard.
6. Install Mother Board with 6 screws.
7. Install a screw to secure motherboard to the standoff installed from step 3.



8. Install 3 SATA Cards with a pan head screws.
  - Bottom tip of each card goes into holes in bottom of chassis, so if card is not going all the way down, check alignment.



9. Install support bar with 2 4-40 screws before installing the power supply.

10. Install power supply vibration dampener kit on each power supply.

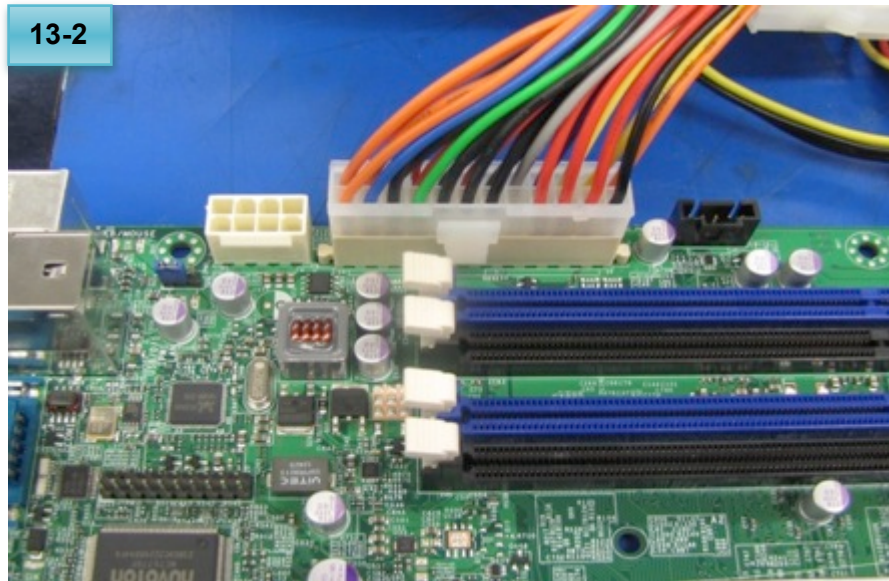
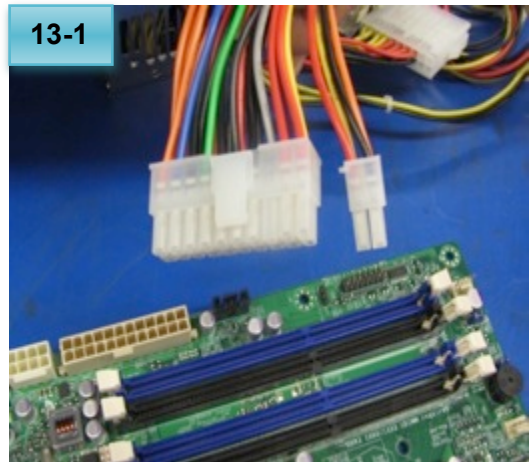
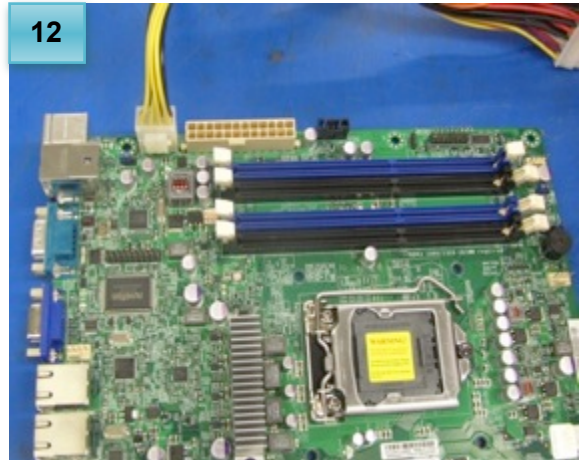


11. Install Power Supplies, use the screws that come with the power supply.

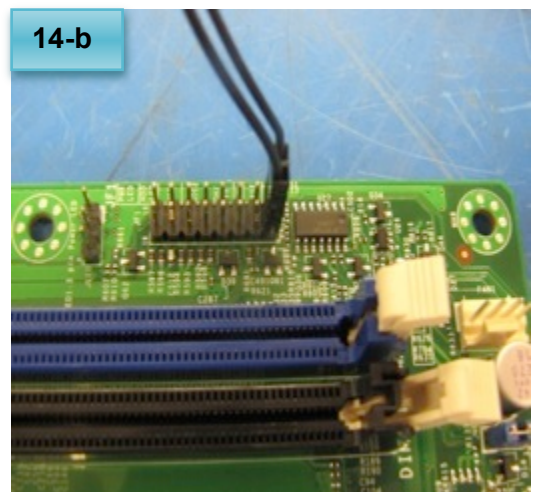
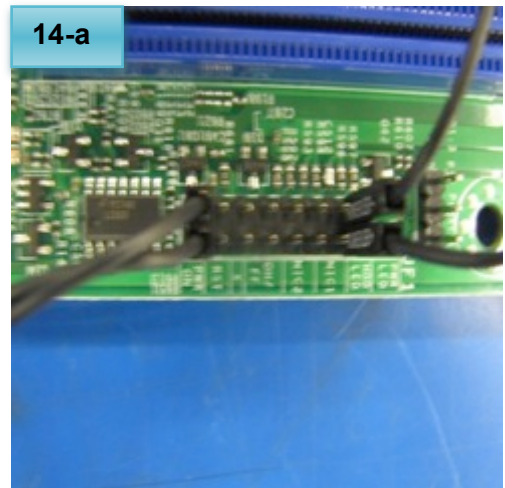
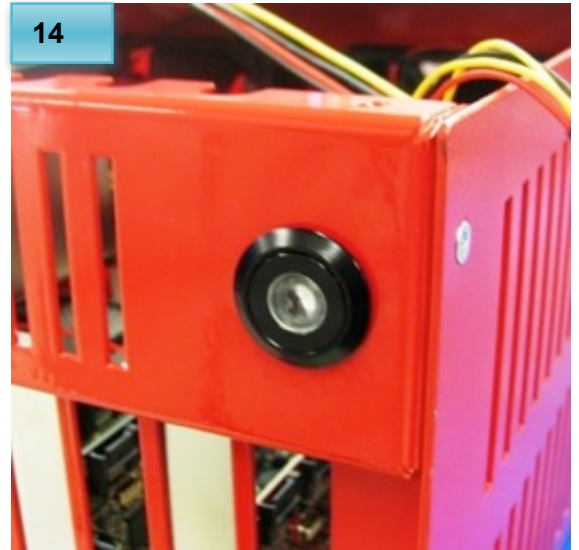


12. Connect 8 pin power cable to the motherboard connector JPW2.

13. Connect 20 pin power cable with 4 pins cable, and plug into motherboard connector JPW1.



- 14. Install power switch in chassis.
  - a. install switch power cable to motherboard connector JF1 pins 1-2
  - b. install “ + “ cable to Pin 15, “ – “ cable to pin 16



15. Install OS Boot Drive with 4 screws
- Connect cable from motherboard and from Power Supply before installing the drive

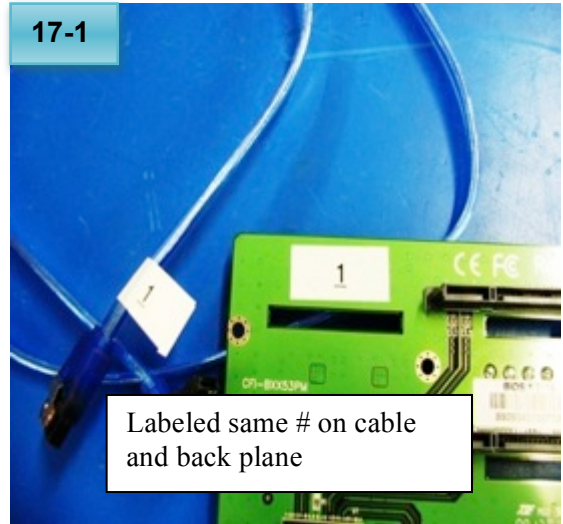


16. Install middle fans
- a. If fan cable is not ready, use 3 pin connector harness with pin crimp to install it.
  - b. Connect middle fan cables.
  - c. Install 4 flat mounts to each fan.
  - d. Pull over the flat mount to install 3 fans.



17. Install 9 backplanes with SATA Cables using 8 screws each.

- Install same number label (1-9) on backplanes and SATA cables
- Make sure SATA cable clicks into place (locks) on backplane.
- Connect cable before installing backplane
  - #1 Power Supply cables to backplanes #1,2,3,4,7 and
  - #2 Power Supply cables to backplanes #5,6,8,9
- Keep all cables flat against the wall using tie-wraps
- Arrange SATA cables #3, #5, #6, #7, #8, and #9 go through middle panel from the right hole, the rest of cables go through the 2<sup>nd</sup> hole.



3	6	9
2	5	8
1	4	7

Back Plane # table

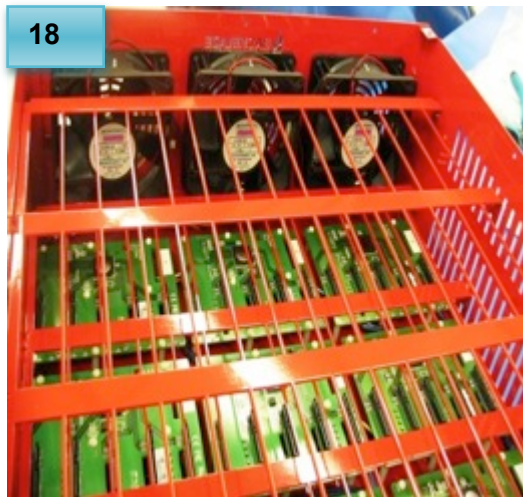


Connect and arrange the cables before installing the back plane.

18. Install 2 divider bars with 8 screws.

19. Install 3 fans to front panel with soft fan mount, 4 each.

20. Install front panel to chassis with 7 screws.





21. Install 45 Hard Drives.

22. Apply foam tape on 3 hard drive covers.

23. Install 3 hard drive covers.

24. Install the silver rods to hard drive covers, 2 for each.

25. Install front cover with 12 screws



- 26. Connect all the SATA cables to the correct cards and connectors.
- 27. Arrange and organize all the cables using cable tie-wraps.
- 28. Install back top cover with 6 screws.

