BOB SLAY
(assembly instructions)

Items included:
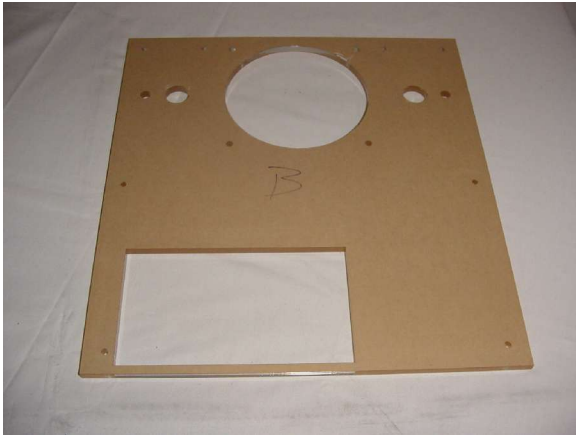
- 7 x Acrylic cutouts labeled A-G
- 1 x Acrylic IO Panel
- 1 x Acrylic locking plate of PCI cards
- 2 x Acrylic 5.25 spacers
- 2 x momentary switches (power/reset)
- 2 x blue tailed LED w/chrome bezels
- 1 x stainless steel handle w/2 mounting screws
- 6 x PCI cover plates
- 1 x bag of motherboard mounting hardware (10 standoffs, 10 screws)
- 1 x bag of left sided acrylic blocks (10 pcs – labeled "L")
- 1 x bag of right sided acrylic blocks (10 pcs – labeled "R")
- 1 x bag of long 3mm screws (60 pcs)
- 1 x bag of long 6/32 screws (16 pcs)
- 1 x bag of long fan screws (8 pcs)

Assembly:

Find the acrylic cutout labeled "A" on one side. This is the bottom of the case. On one side protective film will need to be removed from the acrylic while the other side will already have the film removed and 4 long sled like feet adhered to the plate.

Find the acrylic piece labeled "B". This is the front of the case. On one side protective film will need to be removed. The other side will already have the film removed and the name "Bob Slay" as well as the Mountain Mods logo etched onto it.

After removing the film from parts A and B take a left sided acrylic block and fasten it to part A. Each block has 3 inserts for mounting hardware. Take Part B and align it to the bottom front edge of Part A to see how you will need to mount the block. Do the same with the right side of the bottom of the case with a right sided acrylic block. Below is a picture of parts A and B attached in this manner.

Next take the acrylic panel labeled "C" and remove the film from both sides. Part C is the backside of the case. Looking at the back of the case take a right sided acrylic block and mount to the right side of the case and a left sided acrylic block to the left side of the case.

Now still looking at the backside take another left sided acrylic block and fasten it to the left side of the back panel on the midsection. There are 4 blocks on the midsection of the case that act as platform for the motherboard tray to sit upon. The midsection blocks will need to sit 90 degrees in difference from the bottom level blocks as the motherboard tray mounts to the inserts on them. Mount the right backside acrylic block and then do the same thing on the front side so that all 4 blocks are fastened to the midsection.

Now find the panel marked "E". This is the motherboard tray. Remove the protective film from both sides of the tray. Take the standoffs out of the motherboard hardware bag and mount them into the motherboard tray. Ten holes have been tapped for the standoffs. Some motherboards will not use all standoff points. Consult your motherboard manual or examine it before placing all standoffs in the holes. When applying the standoffs do so at first by hand. Then tighten with a wrench or pliers if needed. Do not over tighten. Over tightening may result in stripping of the threads on the acrylic.

Next place the tray into the midsection of the case so that the PCI plate cutouts are on the right (front side angle) of the case. Insert 3mm screws in each corner and tighten the tray. Align the edges of the tray to the outside of the acrylic blocks as best as possible. Also apply pressure to the front and back panels while tightening so that little or no gaps are between the tray and the panels.

Now find the 2 x 5.25 bay spaces and join your 2 x 5.25 devices together. You will need to keep a device that has bottom mounting holes on the bottom. Most CDR or DVD devices will have these. Join the devices as shown below.

Place the case on its side (right side so that you can see the bottom of the case). Now Slide the joined 5.25 devices inside the case from the open side (Do not attempt to slide into the front hole for these devices). Move the front bezels of the devices forward until they are flush with the acrylic on the front of the case. Take note of where the mounting holes are on the bottom 5.25 device. Line these up with the holes on the bottom of the case. Insert long 3mm screws and tighten the devices in place.

Now flip the case back upright and slide your Power Supply (PSU) into the left side opening of the case. Move the PSU so that the mounting holes align up to the mounting holes on the back panel. Mountain Mods suggests using a power supply that includes an intake fan to help remove heat from the hard drive (s). Take 4 long 6/32 screws and tighten the PSU into place.
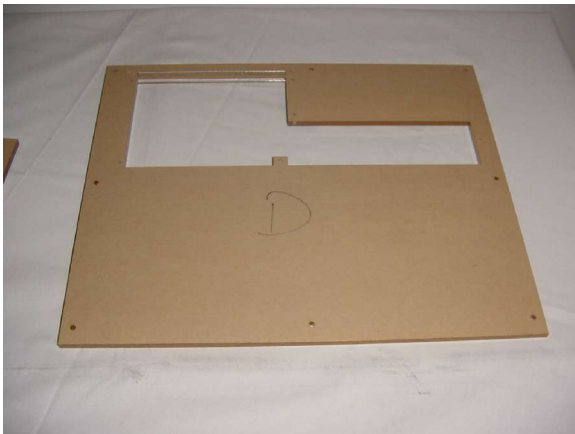
Next take your hard drive (HD) and mount it to the bottom of the case using the bottom mounting holes on it. If you are using multiple hard drives (up to 3) you will need to purchase the optional acrylic HD expansion spacers. The function exactly as the 5.25 spaces above. Use 4 long 6/32 screws to mount the HD(s) into place. You should now have something that looks like this on the bottom side.

Take the 2 x chrome led bezels with tailed blue LED's and the 2 x nickel plated momentary switches and install them into the front panel. Due to the thickness variation on the acrylic some panels may be too thick to make use of the nut on the chrome bezels. The holes should be tight enough to secure the LED bezel in place. If they seem loose you can use a bit of scotch tape and wrap around the bezel in order to make the fit more snug. Press the bezels into the front panel fully. The nickel plated switches extend well into the chassis. Then simply tighten the nuts onto the backside of the panel.
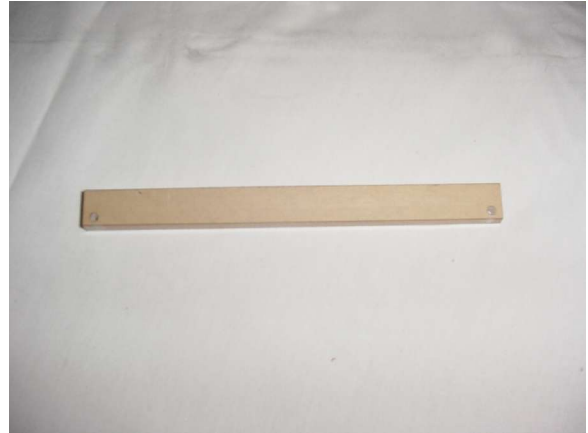

Now find panel "D" and the IO panel. Be very careful with both pieces as they have some areas of small material that can easily break. Remove the protective film with care.
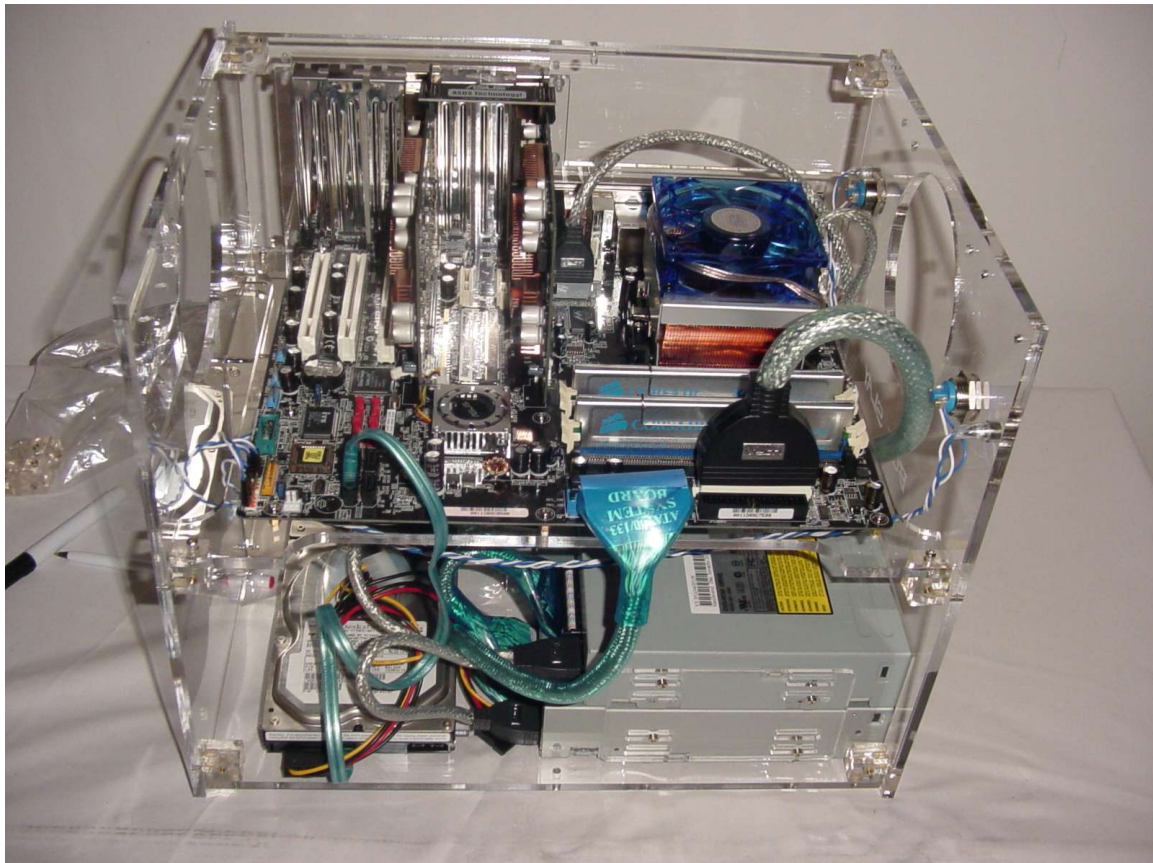

After removing film turn the IO panel so that the smaller portion is to the left and the PCI openings are to the right. Take panel D and Align on top of the IO panel. Line up the 6 mounting holes from the panel with the IO panel. Insert 6/32 screws into panel D. Tighten them making sure to enter the correlating hole on the IO panel. Turn the case so that you are looking at the PSU side of it. Insert a right acrylic block on the bottom middle of the case. Then a right block on the top right and a left side acrylic block on the back left. You can place Panel D so the IO panel rests directly on the Motherboard acrylic panel (panel E). Doing this will indicate which way to rotate the blocks in order to fasten correctly. Once you have the blocks fastened to the mid-section of the bottom panel, right front, and left back then fasten Panel D with the long 3mm screws into the acrylic blocks. Then insert one more block on panel D on the top mid-section.

Now is a good time to install your Motherboard. First take the IO cover panel that comes with your motherboard and insert it into the panel opening. Be very careful. If the panel seems too snug try to take the edges and press them in a bit before forcing into the acrylic panel as this expansion may cause the acrylic IO panel to break. Now place your motherboard onto the standoffs of the tray (you should have already installed these). It is probably best to install your CPU heat sink and memory prior to placing it into the case, but not absolutely necessary. Take the short 3mm screws from the motherboard mounting hardware bag and tighten them into the brass standoffs securing your motherboard in place. Next you can start routing your cables and inserting PCI cards and blank cover plates. You will probably need to tweak the cover plates a bit by hand prior to placing them in their slot. They are of thinner material than most PCI cards. Given that the PCI cards and cover plates to do not screw in individually it becomes more important to try and compensate for this material difference as a single locking bar will be holding the cards/covers into place.

PCI Cover plates above left (right one bent a bit for thickness compensation). PCI acrylic locking bar pictured above right. Case at current state below.
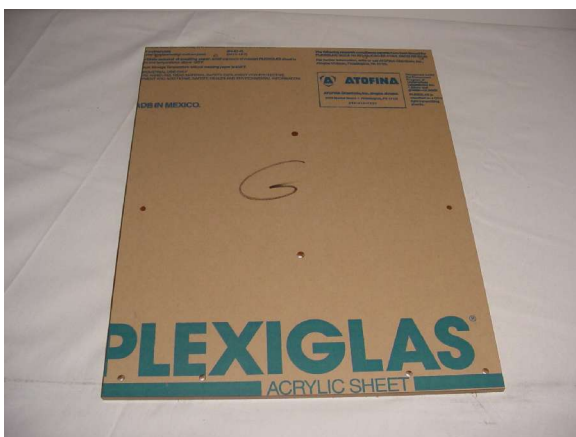
Remove the protective film from the acrylic locking bar prior to installation. Hold cards into place while screwing down the right side of the locking bar into place. Then put pressure on the left side of the locking bar to align mounting holes and fasten the remaining screw. This should secure your cards and cover plates. If any are loose try bending the metal piece that you would normally fasten with a screw slightly up as pictured above.

Now install your intake and exhaust fans using the 8 long fan screws included with the case (standard fan screws will not be long enough). The front and back of the case have unobstructed blow hole openings for maximum airflow. These are designed for 120mm fans of no more than 25mm thickness (standard 120mm fan). Note some CPU coolers may be too large and interfere with the intake fan on the case. You can however mount the intake fan on the exterior of the case if needed. If your CPU heat sink extend past the front of your motherboard you will have need to externally mount the intake fan. This would can be done easier prior to mounting the motherboard into place. The maximum height of your CPU heat sink/fan can not exceed 4.5 inches without interfering with the top of the case. Placing an aluminum mesh fan filter on the intake fan will help keeping the interior of the acrylic clean.

After securing all connections from the lower portion of the case to the top it is time to fasten the left wall (panel "F") to the case. First remove the protective film from the panel. Then fasten a right side acrylic block to the bottom mid-section of the case. Then fasten a left side block to the left front and a right side block to the right back of the case. Again you can use the panel to help determine the hole positioning on the blocks. Then align and fasten the panel to the blocks.

Now grab the last panel, panel "G" and remove the protective film from it. Locate your stainless steel pull rod/handle and 2 8/32 screws. Fasten the rod to the mounting holes in the center of the panel.

Now fasten the remaining acrylic blocks to the case. On the front you will have fasten 2 blocks. A left side block on the left side and a right side block on the right side. Use the top panel to determine placement of the blocks. Turn the case around to look at the back side and do just as you did in the front. The 2 remaining blocks fasten to the top side walls. The left side block fastens to the left side and vice versa. Then place the lid into place and fasten all 10 screws into the acrylic blocks.

CONGRATULATIONS!!! you should now have something that looks like this.

Using the Bob Slay is much easier once it is assembled. To add new cards or manipulate the motherboard portion just remove the top shell. If you need to throw in a cable or replace a drive just remove the left side panel. If you need full access to everything try removing both the top and left side panel.