

# Building Your New PC The Right Way

Thanks for purchasing your new Tracer Right Way PC kit. We think you'll really enjoy the experience of putting the machine together yourself – this way you'll know that every single step in its construction has been done right. In fact, when you follow our instructions, you'll do it The Right Way.

In this document, we're going to explain to you in great detail how to build your machine. In order to be successful, you need only follow our instructions EXACTLY. We've done this a lot and you probably haven't. How do we know that? Of course, it's because we are mind readers and if you fail to follow our instructions we'll know it and you'll be in big trouble, Mister! Actually, we know that if you were an expert at building machines, you probably would have already built one.

But we are still mind readers, so just follow along exactly as we tell you to.

When we want you to perform a specific task, we'll tell you what to do in **Bold** type. This way, you'll know that we want you to put in a screw, plug in a cable or jump up and down and yell "fish!" Anyway, just do as we suggest and things will go smoothly. But don't forget, we are reading your mind even as you read this. Be careful.

Here's our first step. (Yes, this is indeed the first step), **Gather everything you need.** Oops...we didn't say "Simon says..."

See the bold? This means you need to start gathering. Here's what you need to gather:

- A Philips screwdriver - preferably with a magnetized tip. You can magnetize your screwdriver by rubbing it in ONE DIRECTION on a natural magnet. This makes it MUCH easier to put in those screws in tight spots.
- A flat screwdriver that will not come in contact with any screws. We'll tell you what to use it for later.
- A saucer or small bowl to hold all our screws
- A pocketknife or other small knife. It doesn't have to be much – we're just going to use it to open boxes.
- A pair of wire clippers or a pair of decent scissors – we going to use these to cut our plastic cable ties. You can also use a knife, but you'll likely cut yourself and bleed on your new PC. Get scissors or wire cutters instead.
- A work area with a good light. Don't try and build your new PC in a dungeon.
- A flashlight or some way to provide really good light on specific spots.

Now, **get the stuff together that we sent you:**

- Computer Case in Box
- Motherboard Box
- One or Two Disk Drives
- One or Two DVD/CD Drives
- One or Two Gigs of memory
- Media (memory card) reader
- Processor Box
- Windows Disc
- Keyboard/Mouse Box

Ok, now that you are up to your eyeballs in boxes, it's time to start building. We are going to start by telling you how to take the case out of the box.

**Open the top of the box containing the computer case using your knife. Just cut the tape, not the box.**

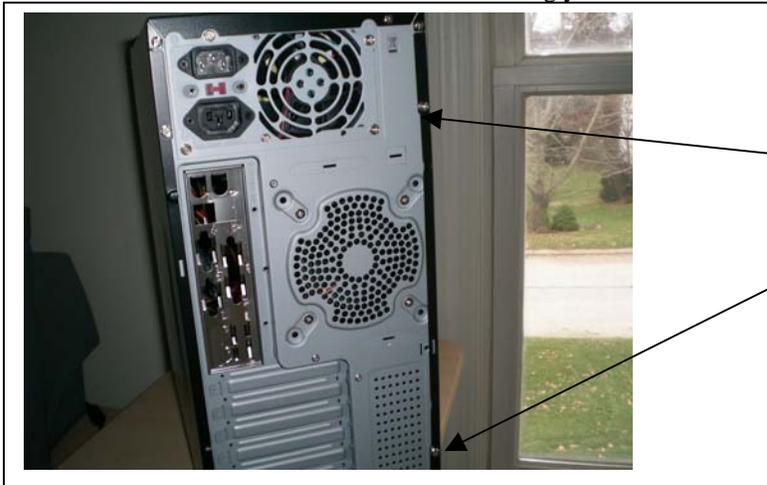


**Now, fold back the four flaps and turn the box upside down with the open end on the floor and the flaps splayed out on all four sides.**



**Next, slowly lift the box up.** Your case will stay on the floor unless gravity suddenly fails, and you'll have a nice unscratched case to start building with. **Carefully remove the two Styrofoam supports and also the protective plastic bag. Put these back in the case box. Place the case on your work area on its bottom the way you would normally use it.**

**Rotate the case so you can see the back. Remove the four screws – two on each side – that secure the two side panels. Put these in your screw holding bowl.** You'll put them back in when you are done building your new PC!



Remove 4 square screws – 2 on each side

Now we must remove the side panels. To do this, **pull or push the side panels straight back away from the front of the machine.** They'll move back about an inch and you can then remove them. Set them aside but be careful that you don't scratch them. We want our new computer to look great.



Inside the case are some giblets we need to remove. In this case, our giblets are the power cord and the pack that contains the instructions for the case and the package of screws. **Set aside the power cord and open the package of screws and dump the whole load into our screw bowl.**

Next, we need to position our case so that we can operate inside. **Set it so that the closed in side is on your table with the front to your right and the rear to your left.** The patient is now ready for you.



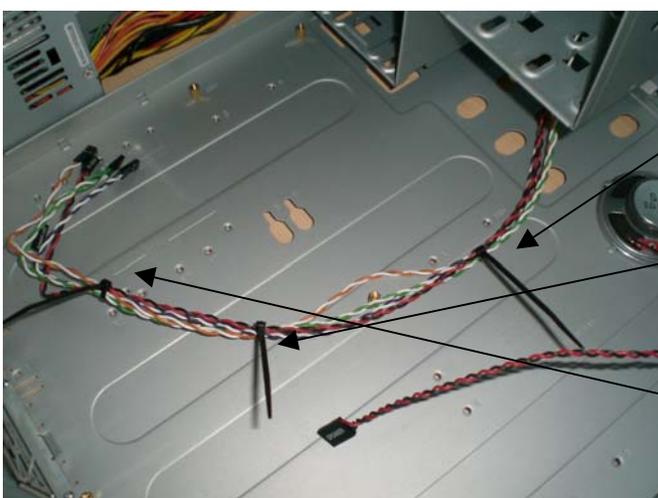
Position your case like this.

Now it's time to move the mass of wires out of our way so we can install the motherboard. Let's start with the thick bundle of wires from the power supply. **Remove the rubber band around them and place one of the large plastic wire ties around the entire bundle about 2 inches away from where they all exit the power supply.** Don't worry, these aren't fragile. **Straighten them out and then drape them over the edge of the case so they are out of the way.**



Also drape the case fan power cable over the side. When you are done with that, **remove the rubber band from the bundle of small wires that come from the front panel of the case.** These go to the various lights and switches on the front panel. **Do NOT keep the speaker cable in this bundle. Just let it stay separate from the others.**

Now put three small wire ties around this bundle about an inch from the end, near the middle and about an inch from the other end with the plastic connectors. **Drape this whole bundle outside the computer and get it out of the way.**



Put on three wire ties here:

How to use wire ties on these small wires.

Also drape the audio cable over the edge.

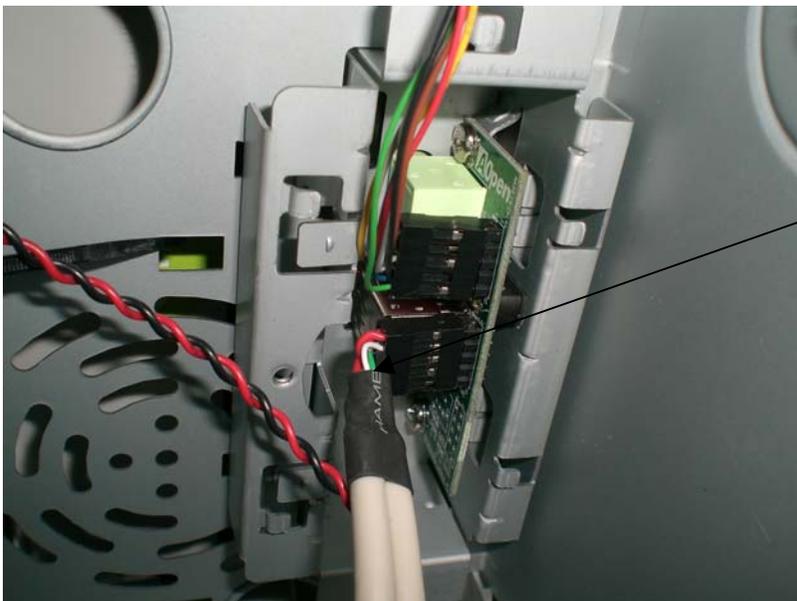
Now you are in for your first challenge. Many of these cases come with the USB cables not installed at all. If yours is already plugged in as you see on the next page, you're lucky!! If not, you'll see the cable just sitting there inside the case. **Remove it and remove the rubber band.** You have to plug this into the connector on the little circuit board at the front panel. It'll be keyed so it can go in only one way, but you'll likely need your flashlight to be able to see exactly what you are doing. **Go ahead and plug it in.** Check out the picture so you can see the orientation.



This is the USB cable in its unplugged state. Note the wire tie securing the little wires on the motherboard end. The OTHER end plugs into the front panel.



You are going to plug it in here. Note how one pin is missing – this is the “key” so you can only plug it in one way.



There you go. It's plugged in correctly. Note the red wire – it'll help you orient it. A flashlight is very helpful for this step.

**Put a wire tie around the small loose wires at the other end.** This is just to keep them out of the way. We're not going to use them.

Whew. You just finished what might be the toughest part of the build. Congratulations!

Now is the time to take a minute to enjoy your handiwork.

Ok, that's enough rest. Let's push on. This computer isn't going to build itself.

See the thin metal part on the back of the computer with all the cutouts for the ports on the motherboard?



Punch that puppy from the outside.

Take whichever one of your screwdrivers has the biggest plastic handle and **give that panel a good smack with the handle from the outside so that it is pushed to the inside of the computer.** It'll pop out of its nice little hole. **Toss this cover away.** It won't match your motherboard. Instead, let's install the new one. Since it matches your motherboard, it came in the motherboard box. **Open it up and find your panel.**



This is easy to install once you done it a few times. What? You have never done it? Ok then, just follow along and we'll show you how. **First, orient the metal panel and note how to the edges have a bit of spring to them. Place the panel inside the opening FROM THE INSIDE of the case like you see here.**