

PURCHASING/DELIVERY/MOVING/ASSEMBLY

Purchasing/Delivery

<https://www.aawforum.org/community/threads/purchasing-pm-3520b-suggestions.3148/>
<http://www.sawmillcreek.org/showthread.php?173304-Best-deal-on-a-Powermatic-3520B>

The best time to buy a PM3520 is when Powermatic is offering a 15% off sale. Generally this will include free shipping but the purchaser will generally have to pay for liftgate service if it is delivered to a residence. During Feb 28 – Mar 10, 2014 the sale price was \$3399.99 from most dealers.

Moving

How Big Is It?

Part	Approx. Weight in Lbs
Legs 2 each @ 80	160
Bed	240
Headstock and motor	150
Tailstock	57
Banjo and tool rest	20
Guard	
Total	630
Shipping Weight	682

Footprint of the lathe 50x24 inches

Size in Crate on a pallet 24 x 30 x 72 inches

The 3520b comes disassembled in the crate. The 3520a used to be delivered fully assembled in a top-heavy crate.

Can I move it by myself? Maybe, but should you?

<https://www.aawforum.org/community/threads/setting-up-a-pm-3520b.3389/>

<https://www.aawforum.org/community/threads/22623/> **ERROR! THREAD NUMBER TOO LARGE – PLEASE REFER TO URL IN ORIGINAL PDF DOCUMENT**

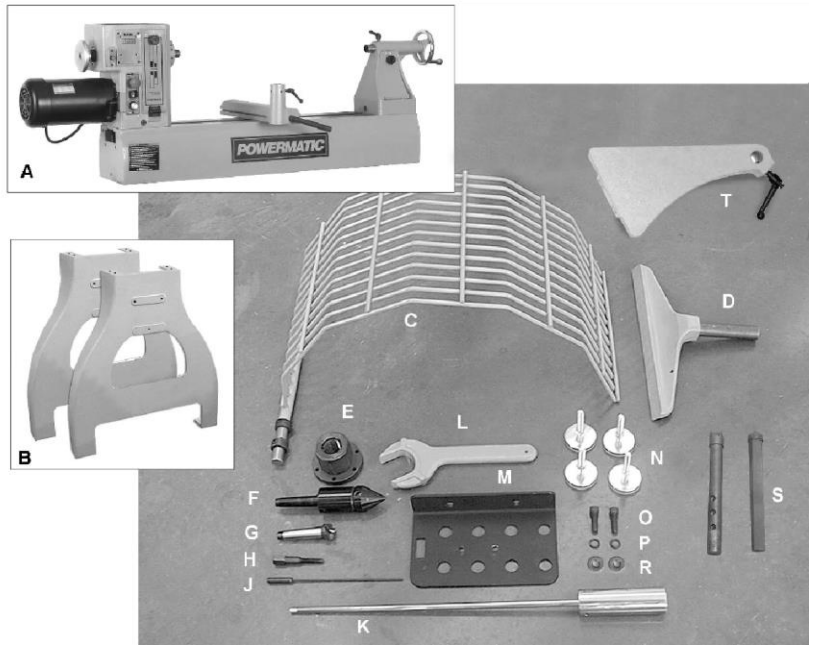
Woodcentral.com message

What's in the Crate: One lathe bed with headstock, tailstock, and tool support base; two leg assemblies; one guard; one 14-inch tool support; one 3-inch face plate; one live center; a one-inch spur center; one index pin; one live center pin; one knockout rod; one face plate wrench; one tool caddy; four levelers; 12 socket hd.cap screws; 12 lock washers; 10 flat washers; two comparator centers; one comparator rear bracket with lock handle; owner's manual; and warranty card.

What is not in the Crate

8mm Allen wrench needed to attach the legs
 The 220 Volt plug needed to wire up the cord.

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Posted By: WOODNUT358 Date: 10/7/2005, 6:53 am in Response To: [Powermatic 3520a](#) (Terry Cook)

I moved mine all alone down to my basement shop. I removed the tail stock, then removed the whole head stock, no need to remove wires. You just need the two hex wrenches(one for the legs, One to remove the stops).I used a big plastic barrel with rope handles. I put an old comforter in it and just laid the head stock in it. I then removed the legs and placed the bed on a hand truck and wheeled it down the stairs. Just make sure you have a piece of MDF or plywood to lay the bed on when you reattach the legs. It would help to have one other person, but it is doable alone. Good luck!!!! Great lathe by the way, I love mine.

Assembly

So, you have either gone to the freight terminal and picked up the new Mustard Monster, or you are standing in the driveway, and the truck driver is leaving as we speak. What do you do next? Here are some tips from when I got mine in November, 2007.

Read these instructions all the way through before you do anything else!

1

I am assuming you are looking at a carton on a skid, about 24" tall, 30" deep and about 72" long. This is how mine came from the factory. Before you do anything else, call a strong friend. This job can be done alone, but you just spent almost \$3000 on this lathe: do you really want to chance hurting it, or worse, you? Not worth it, IMO. (See photo below.)

When you open the carton, you'll notice that the lathe is shipped with the headstock, tailstock, and banjo installed on the bed. (See second photo.) There should also be two

cartons inside which are the legs. These are about 80# each, and should be the first thing to carry into the shop to make some room. Unpack them and stand them securely out of the way.

I suggest the following: set up two sawhorses in the middle of the floor. Check the height of the horses vs. the height of the legs. If you are going to use the levelling feet, install them in the legs all the way up to the feet, and then measure the leg height. Add 1x or 2x lumber to the horses so that they become 1/4" to 1/2" taller than the legs. Now you can go back to the carton, and take the tailstock off the bed, and bring it in the shop, setting it somewhere where it won't fall over. Do the same with the tool rest banjo. The headstock needs some consideration. It weighs about 150# and is extremely unsteady. In addition, the locking mechanism hangs out of the bottom and will not allow you to set it down directly. My suggestion is to have a couple of short 2x4s laid side by side with enough space between them for the locking mechanism. You and your friend can now bring in the headstock, set it down on the 2xs, and check to see if you need to put something under the motor to steady the assembly. Do *whatever* it takes to secure this assembly, because when it falls off of the bench, all of the damage will be expensive!

The empty bed can now be brought in, and set on the sawhorses. (Note: you can bring in the bed, set it upside down on a blanket or cardboard on the floor, and then assemble the legs. When finished, you will have to turn it over, which is not easy. The sawhorse method eliminates turning it over.) Bring one leg over, and stand it under one end of the bed, and put in the bolts, tightening them until they are secure. (Usual recommendation is finger tight, then 1/4 turn with the allen wrench.) Do the other leg the same way. When finished, lift one end until it clears the horse and remove the horse. Repeat again at the other end. Now is the time to put the bed and leg assembly in the spot you want it - while it is standing on it's own, and not too terribly heavy. Furniture dollies work great here, although with a concrete floor, it will slide fairly easily. Clean the bed with a mild solvent like mineral spirits, let dry, and apply some paste wax or something like Boeshield to seal and lubricate the bed. Then, with your helper, clean the bottom of the headstock, banjo, and tailstock. No need to wax them, they will absorb enough from the bed to do the job! If you bought the bed extension, install it now, and clean and wax it, also.

You and your helper can now install the headstock, the tool rest, and finally the tailstock. Remember to reinstall the two safety bolts that keep the headstock and tailstock from sliding off the end of the bed. The factory ships the lathe with no plug, and a relatively short cord. You may want to make an extension cord; please follow the manufacturer's recommendations for this. I hope these tips help, and your assembly and set up go smoothly, and safely! Sure hope you enjoy your new Mustard Monster as much as I have enjoyed mine. 😊

Photos of delivery by Scott Hubl

<http://picasaweb.google.com/jerhall95945/3520BDelivery> **404 ERROR PAGE NO LONGER EXISTS**

Kurt Bird
AAW Forums Co-Moderator
President,
Stateline Woodturners, NW Arkansas

Hydraulic Cart to move 3520

<https://www.aawforum.org/community/threads/hydraulic-lift-table-for-moving-lathe-tailstock-large-blanks.2328/>

Casters

<https://sawmillcreek.org/showthread.php?53671-Powermatic-on-casters&p=545105&posted=1#post545105#post545105>

http://www.woodcentral.com/cgi-bin/archives_turning.pl/bid/2105/md/read/id/78724#78724 http://www.woodcentral.com/cgi-bin/archives_turning.pl/bid/2105/md/read/id/78724 - 78724

Zambus Casters

From Docwks@gmail.com (Bill)I need the lathe to be mobile. I got wheels from Zambus.com which have been recommended on the MiniMax board for use with their big combo machines. I had to tap out the legs to 12mm x 1.75 for the wheel studs. These wheels are rated for 850 lbs each.



I got those from Zambus - <http://www.zambus.com/pages/acp200.htm> **404 – PAGE NOT FOUND**

I got the black ones acp200 - s. I would also make sure to get the case hardened studs if you can I used the ones that come with it. they are 12 x 1.75 mm, so you will have to either tap the legs or drill them out. I taped the legs but if I had to do it again I would drill them out. The reason is if you don't get the tap perfectly straight the wheel puts a lot of pressure on the stud. Also don't over tighten them.

....one nice thing about the wheels, they are only 2 3/8 off the floor. While it did tip it did not try and go over. The other thing I noticed is that due to working in my garage the floor has a slant towards the garage door, which it should, but the wheels like to follow that gravity flow and trying to stop this beast is not easy. Moving this thing requires a little thought and body position. I also make sure I screw the feet down before turning it on. Thanks, Bill (Bill)

Custom Feet

Jerry Hall: The Zambus solution above is for most turners I think a quicker and cheaper solution, unless you can't handle the increase in height or need a bigger range of heights. While mine does increase width of stance, perhaps making the lathe more stable, it took me a few weeks to stop tripping over them. They could be shorter for sure. Now I am in automatic and don't know they are there. This solution (detail design by fellow turner Steve Elsner) also makes it easy to level the lathe on my sloping

garage floor tho. But by the time I bought the parts and paid someone who knew how to weld it was not cheap. It also took me much of a day lift each end of the lathe, remove stock feet, make a drill guide, drill holes in the legs with a close quarters drill, and set the thing up. But it has a couple overall advantages: It raises the minimum height of the lathe well less than an inch, which was a slim motivation for me. It also has a wide range of heights, and is easily adjustable from above with a ratchet wrench. The second picture makes that clear. Bill (see above) and I discussed the two alternatives, and he points out that the Zambus solution adds height, has a limited range of heights, and requires you to get down on the floor to relieve the standoffs so the wheels are free. Note: when the standoffs are cranked up an inch or two, with the weight fully off the wheels, I experience a gentle sway on very large out of balance blanks. This is not a problem for me, in fact it is a kind of shock absorber and seems to help. I don't know what the effect would be if cranked up more. But it would be easy to set a notched block under the wheels and that might work.

A PDF file of a detailed drawing and parts list can be found [HEREabout:blank](#)



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<http://docs.google.com/fileview?id=0B213uD6HOiPEMzFhNzQwZjEtMmM0NS00ZGI0LWE2YmEtZTE4MDI3YTg1NGE2&hl=enabout:blank>

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Comparing moving methods

<http://sawmillcreek.org/showthread.php?t=91510>

(PM3520 Tips Moving/Purchasing/Delivery_rev 5/26/9 Custom Feet entry. Comments: [Wood Central](#) or [AAW](#) forums. Email MustardMonster@gmail.com for minor corrections.)