

Out-of-Warranty Service

If the Mark V is out of warranty, you can have it repaired at the factory for a fee. If you know the specific nature of the problem and the replacement parts needed, call our **Customer Services Department** for a quote. (See "Getting in Touch" in the **Customer Information** chapter for our phone number.)

If you are unsure as to what is wrong, send the Mark V or the defective part to Product Reconditioning at the address provided. They will notify you of how much the repairs will cost **before** they begin work.

Also, many **Shopsmith Home Workshop Centers** carry a limited number of replacement parts and can perform some repairs. Call ahead to the Home Workshop Center nearest you to see if they can provide the part or the service you need. (See "Direct-from-the-Factory Service in the **Customer Information** chapter for a list of Shopsmith Home Workshop Centers.)

How to Ship the Entire Mark V

Should you need to send your Mark V back to the factory for any reason, begin by unplugging the machine. Then follow this procedure:

1. Remove the legs and the retractable casters, if your machine is so equipped. Slide the carriage all the way to the right (toward the base mount) and adjust the height of the table so that it's slightly higher than the headstock. Mount the extension table in the power mount at approximately the same height as the worktable. Secure all locks.



Figure 1. Turn the Mark V over so that it rests on the extension table and worktable, as shown. Then remove the legs.

Spread several sections of newspaper or a tarp on the floor to protect the surfaces of the table. Then turn the Mark V over so that it rests on the extension table and worktable. (You'll need a helper.) With the Mark V on its "back", remove the nuts that hold the retractable casters to the legs, then the bolts that hold the legs to the base mount and power mount. (See Figure 1.)

2. Place the Mark V on a pallet. With your helper, turn the Mark V right side up and place it on a piece of 1/4" plywood, 19" x 69". Prop this plywood up on some blocks or wood scraps. With a hand drill, drill two 1/4" holes through the plywood, so that the holes in the plywood will line up with the holes in the power mount. (See Figure 2.) Bolt the

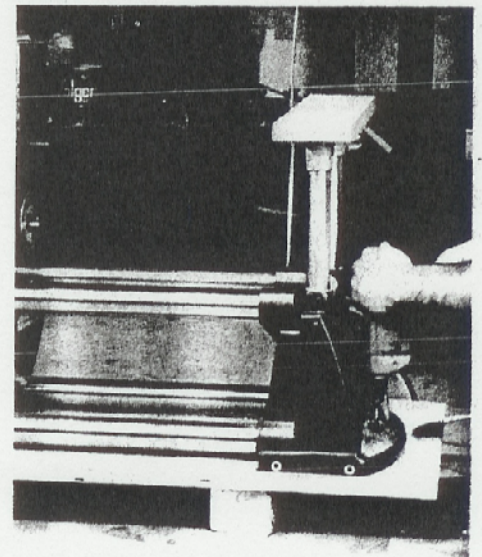


Figure 2. Place the Mark V on a sheet of plywood, then drill two 1/4" holes to line up with the holes in the power mount, as shown.

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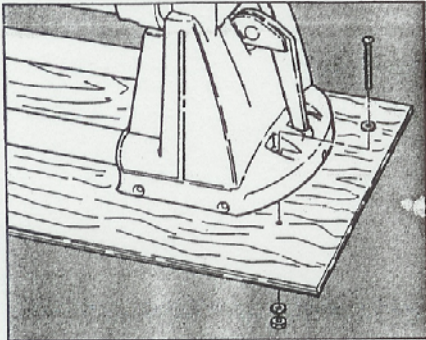


Figure 3. Bolt the Mark V to the plywood with two 1/4" x 2" carriage bolts, lock washers, and nuts.

power mount to the plywood with two 1/4" x 2" carriage bolts, lock washers, and nuts. (See Figure 3.) This will keep the machine from shifting around on the pallet.

3. Pack the legs. Wrap the legs in newspaper. Loosen the headrest lock, raise the Mark V, and place the legs in between the way tubes and bench tubes. (See Figure 4.) Lower the Mark V and **remember to secure the headrest lock!**

4. Install the lathe tailstock in the base mount. Be sure the accessory mount lock is secure.

5. Pack the remaining accessories in a cardboard box approximately 8" x 12" x 18", wrapping them individually in newspaper. Tape the box closed. Move the headstock to the right on the way tubes, up against the carriage, and secure the headstock lock. Place the box of accessories on the way tubes, in the space between the headstock and the extension table. (See Figure 5.)

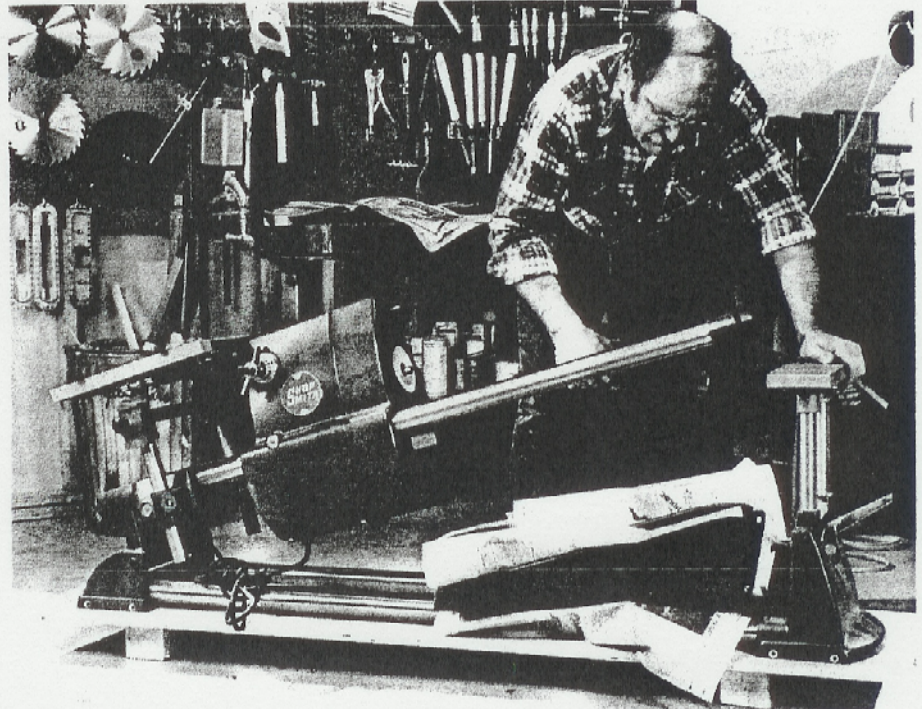


Figure 4. Wrap the legs in newspaper and pack them in between the way tubes and bench tubes.

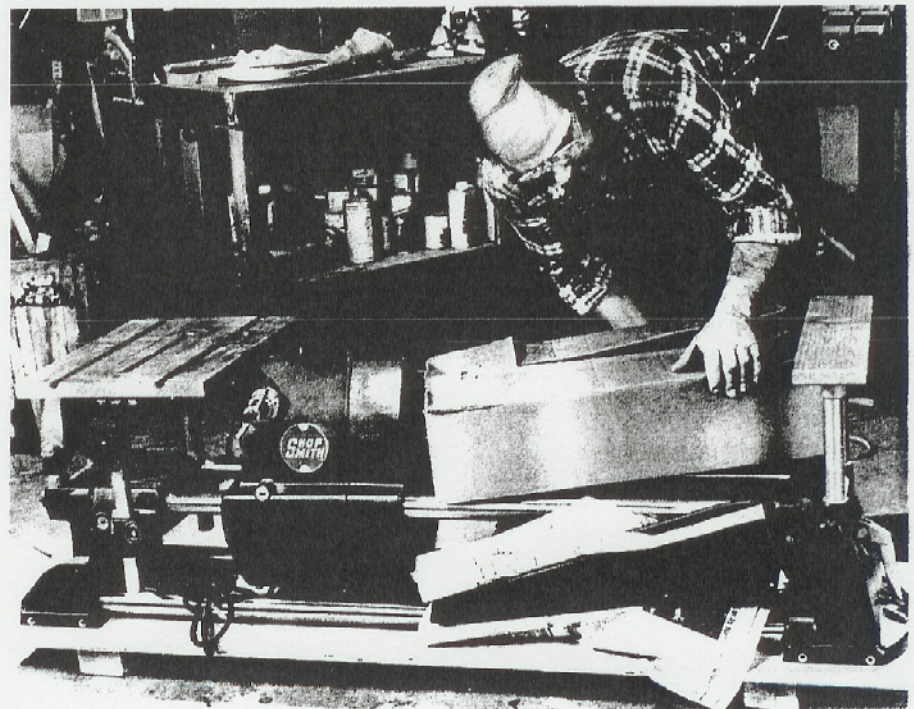


Figure 5. Place the box of accessories on the way tubes, in between the headstock and the extension table.

These instructions for building a box is for a Mark V 500 model.

Modifications will need to be made for Model 510 and 520. The bottom (E) 27" wide and sides (B) 27" long.

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6. Build a box around the Mark V.

Check that all locks are secure, then build a simple 2 x 2 frame all around the Mark V, legs, and accessories, using the pallet as a base. (See Figure 6.) To this frame, tack cardboard, scrap plywood, or paneling. (See Figure 7.) Before you attach the top, fill up any remaining space with crumpled newspaper to keep the box of accessories from sliding around. If the machine is being sent to us for repairs or reconditioning, include a detailed letter explaining what work you want done and/or what problems need correcting.

7. Send the Mark V to us. Address the box to our Product Reconditioning Department and mark the top "This Side Up" in big, plain letters. Ship by common carrier, and please insure the machine for its replacement value.

How to Ship the Headstock Only

Should you need to ship just the headstock, follow this procedure:

1. Prop the way tubes up at an angle. Unplug the machine, then select a scrap of wood at least 1" thick, 4" wide, 16" long. Move the carriage to the right, about 8" from the base mount, and lock it in place. Lower the table so that the support tubes protrude 5"-6" from the bottom of the carriage.

Loosen the headrest lock and raise the Mark V slightly. Place the wood scrap so that it lies on the bench tubes, under the table support tubes. Carefully lower the Mark V so that the support tubes rest on the wood. The wood will hold the way tubes at an angle, so that the way tube tie bar is a short distance above the headstock. (See Figure 8.)

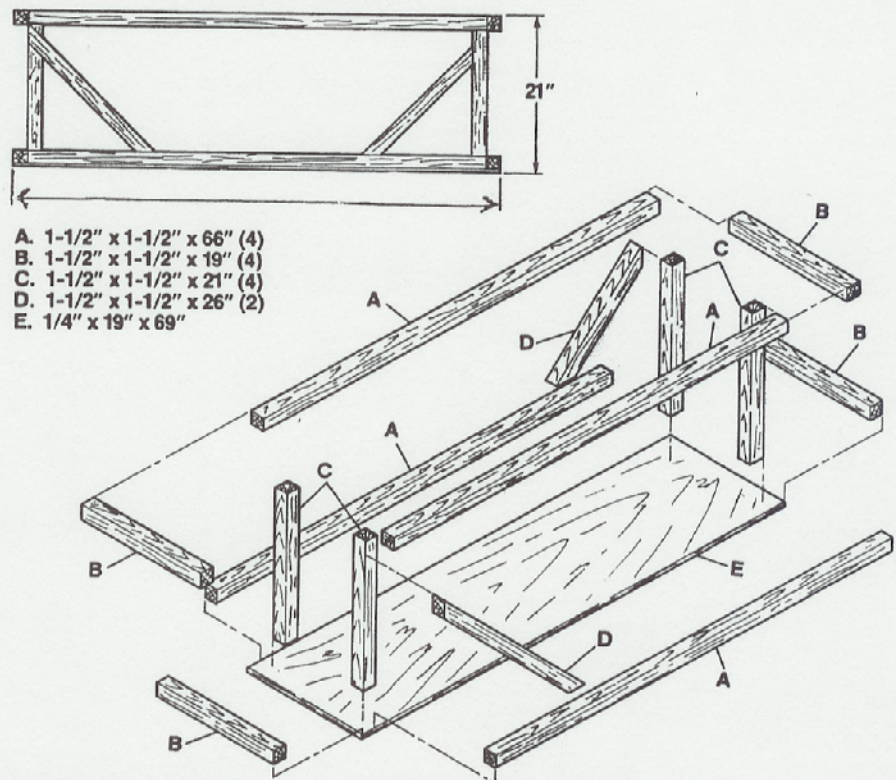


Figure 6. Follow this drawing to make a crate in which you can ship the Mark V.

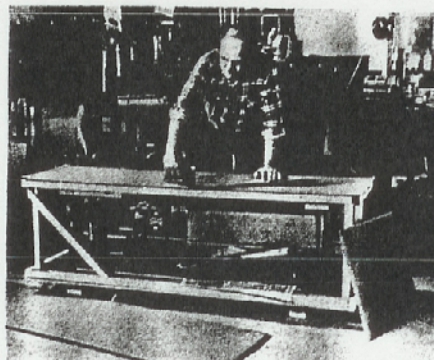


Figure 7. Build a simple wooden frame around the Mark V, then attach cardboard or scrap plywood to the frame to completely enclose the machine.

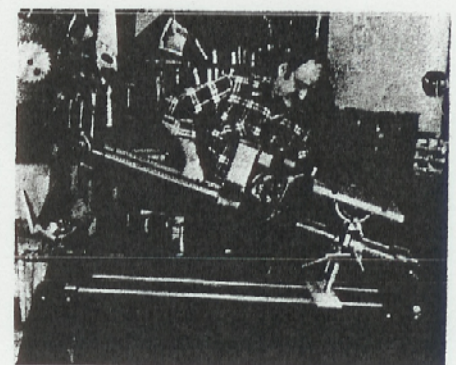


Figure 8. With a scrap of wood at least 1" thick, prop the way tubes up at an angle so that the tie bar is held a short distance above the headrest.