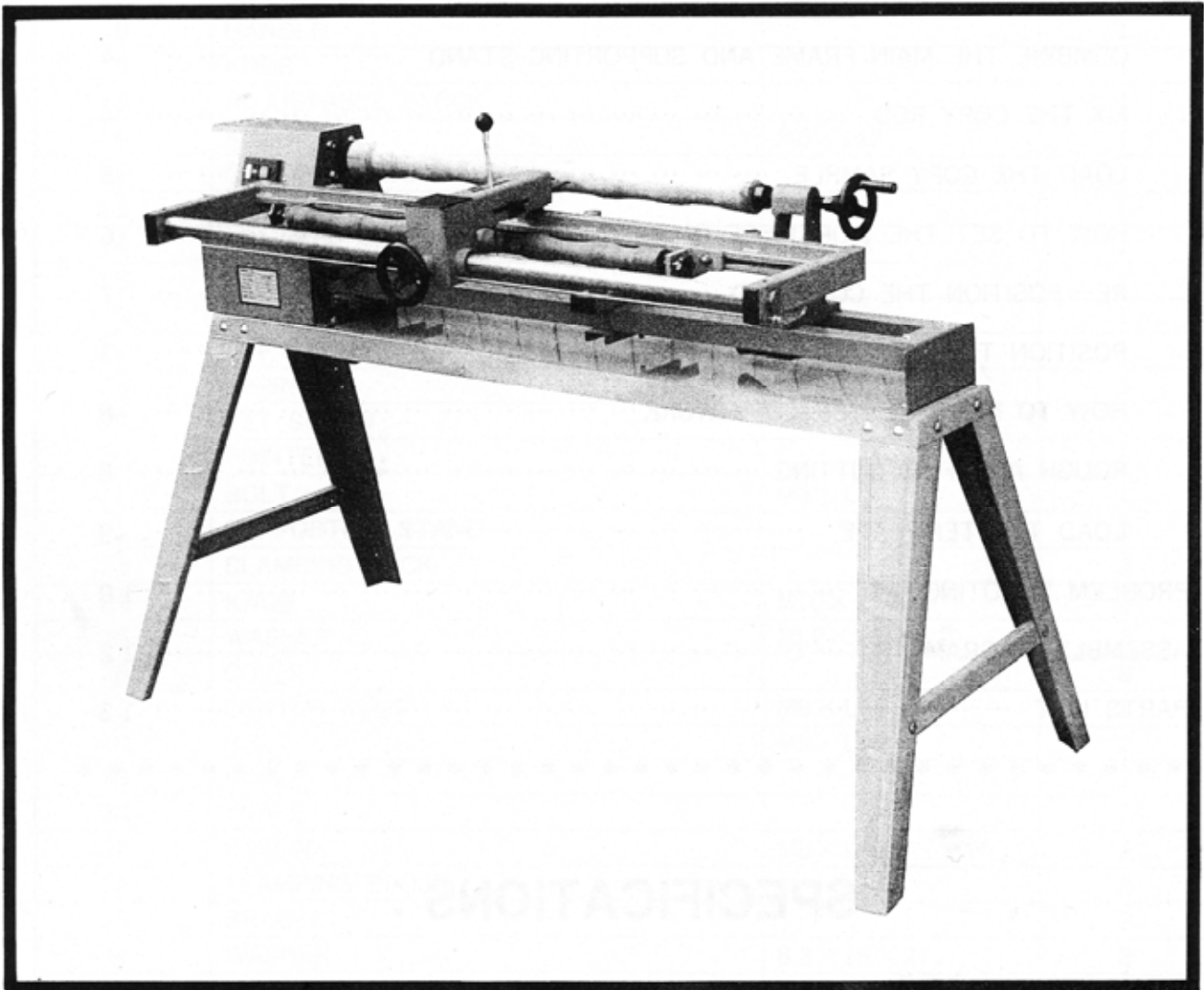


(27130)

COPY LATHE ATTACHMENT



INSTRUCTIONS

IMPORTANT : PLEASE READ THESE INSTRUCTIONS CAREFULLY
TO ENSURE SAFE AND EFFECTIVE USE OF THIS TOOL

RTD10000031AB

CONTENTS

UNPACKING	1
THE SAFETY RULES FOR WOOD LATHE & COPY LATHE ATTACHMENT	2
INSTALLING PROCESS	
MOUNT THE SUPPORTING STAND	3
COMBINE THE MAIN FRAME AND SUPPORTING STAND	4
FIX THE COPY ROD	4
LOAD THE COPY SAMPLE	5
HOW TO SET THE WORKPIECE ONTO THE LATHE	6
RE—POSITION THE COPY ROD	7
POSITION THE CUTTER	7
HOW TO MAKE BETTER COPY WORK	8
ROUGH AND FINE CUTTING	8
LOAD THE TEMPLATE	9
PROBLEM SHOOTING	10
ASSEMBLY DIAGRAM	12
PARTS LIST	13

SPECIFICATIONS :

SUITABLE LATHE	WOOD LATHE WITH 356 MM (14") SWING
COPY CAPACITY (DIA. X LENGTH)	60 MM×1000 MM
WORKPIECE CAPACITY (DIA.)	150 MM
COPY SAMPLE LIMITATION (DIA.)	50 MM
TEMPLATE LIMITATION (WIDTH)	75 MM

UNPACKING

CAREFULLY UNPACK THE COPY ATTACHMENT AND CHECK IF ALL THE LOOSE COMPONENTS ARE INSIDE THE CARTON. FIG. 1 ILLUSTRATES THE ATTACHMENT AND ALL THE ASSOCIATED COMPONENTS.

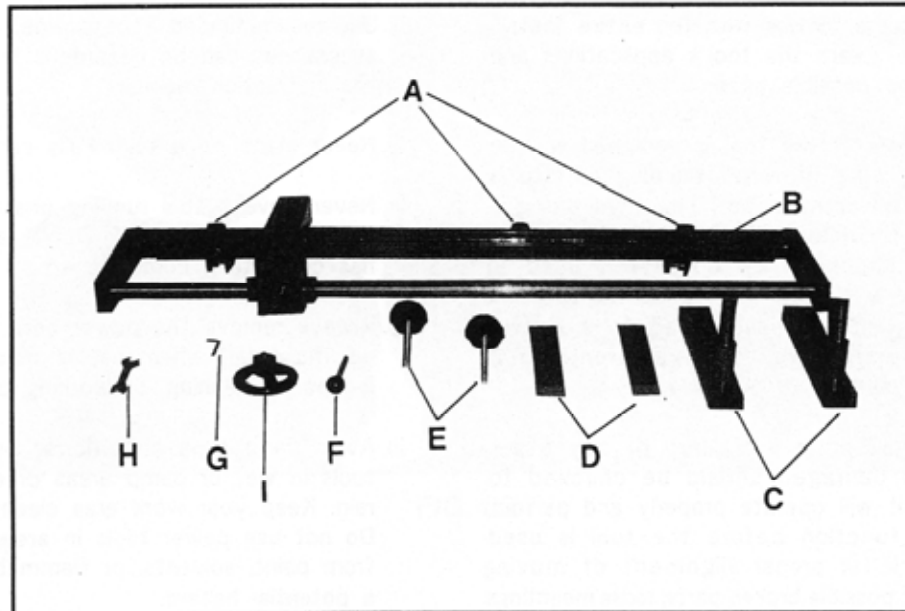


FIG1

- A. FIXED TUBE
- B. MAIN FRAME
- C. SUPPORTING STAND
- D. CLAMPING RACK
- E. KNOB
- F. HANDLE
- G. HEX. WRENCH
- H. WRENCH
- I. HAND WHEEL

THE SAFETY RULES FOR WOOD LATHE AND COPY LATHE ATTACHMENT

1. Read and become familiar with the entire instruction manual. Learn the tool's applications and limitations and possible hazards.
2. Ground all tools. If the tool is equipped with a three-prong plug, it must be plugged into a three-contact electric outlet. The third prong is a ground to provide protection against accidental electrical shock. If an adapter is used to accommodate a two contact outlet, the adaptor's grounding lug must be connected to a known ground. Never remove the third prong on a three-prong plug.
3. Check damaged parts. A guard or any other part that is damaged should be checked to ensure that it will operate properly and perform its intended function before the tool is used further. Check for proper alignment of moving parts and for possible broken parts, loose mountings or any other condition that could affect the tool's operation. A guard or other damaged part should be properly repaired or replaced.
4. Disconnect power before servicing and when changing accessories such as blades, cutters.
5. Keep guards in place and in working order.
6. Protect your eyes from being injured by objects thrown by a power tool. Always wear safety glasses or safety goggles.
7. Wear a face mask or dust mask if the cutting operation produces dust.
8. Don't force tool. It will go a better and safer job by using on jobs for which it was designed.
9. Avoid accidental starting. Ensure that the power switch is in OFF position before plugging in the power cord. Remove switch when tool is not being used.
10. Remove adjusting keys and wrenches. Ensure that keys and adjusting wrenches are removed from the tool before turning it on.
11. Drugs, alcohol, and medication. Do not operate tool if you are under the influence of drugs, alcohol, or medication that could affect your ability to use the tool properly.
12. Use recommended accessories. Using improper accessories can be hazardous. If in doubt, check the instruction manual.
13. Never stand on a tool. Falls can result in injury.
14. Never leave a tool running unattended. Turn the power switch OFF. Don't leave tool until it has come to a complete stop.
15. Always remove the power cord plug from the electric outlet when making adjustments, changing parts, cleaning, or working on the tool.
16. Avoid dangerous conditions. Don't use power tools in wet or damp areas or expose them to rain. Keep your work area clean and well-lighted. Do not use power tools in areas where fumes from paint, solvents, or flammable liquids pose a potential hazard.
17. Keep visitors and children away. Other people should keep a safe distance from the work area, especially when the tool is operating.
18. Use the proper tool. Don't force a tool to do a job for which it was not designed.
19. Maintain tools in top condition. Keep tools clean and sharp for best and safest performance. Follow the instructions for changing accessories and lubricating.
20. Secure all work. When practical, use clamps or a vise to hold work. It is safer than using your hands and prevents round or odd-shaped pieces from turning.
21. Don't overreach—Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep the floor clear of oil, scrap wood, and other debris.
22. Wear proper clothing and, if necessary, protective hair covering. Loose clothing or jewelry can get caught in moving parts.
23. Make workshop childproof with padlocks, master switches.
24. Do check if the lathe is installed tightly on the stand before installing the copy attachment.

MOUNT THE SUPPORTING STANDS (#22)

IN ORDER TO MATCH DIFFERENT CENTER - DISTANCE LATHE, THERE ARE THREE FIXED TUBES ON THE MAIN FRAME TO ENSURE THE COPY ATTACHMENT BE MOUNTED PROPERLY REFER TO FIG. 2-1 AND YOUR LATHE, DECIDE THE SUITABLE MOUNTING DISTANCE. REFER TO FIG. 2-2, ATTACH TWO SUPPORTING STANDS (#22) ON THE WOOD LATHE BED RAILS, SELECT ANY EDGE OF THE BED RAIL AS THE STANDARD BASIS, THEN SET THE SCALE (#30) READINGS ON THE TWO SIDE OF THE SUPPORTING STANDS TO THE SAME. SCREW THE KNOBS (#24) WITH THE WASHER (#25) INTO THE CLAMPING RACK (#23) TO GET THE STANDS FIX ONTO THE LATHE BED RAIL.

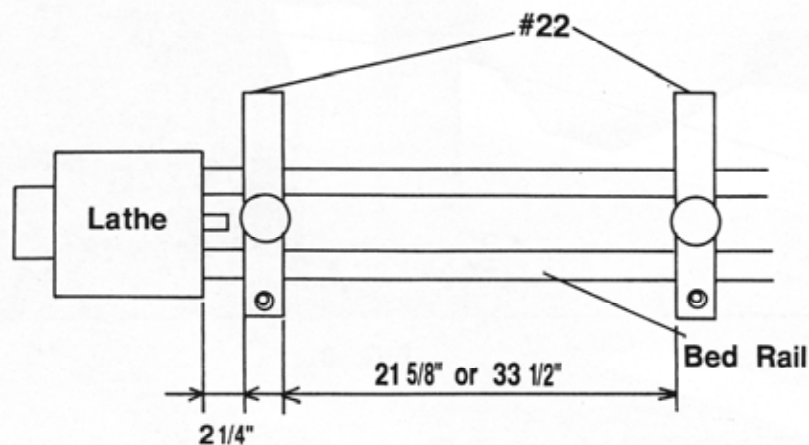


FIG2 - 1

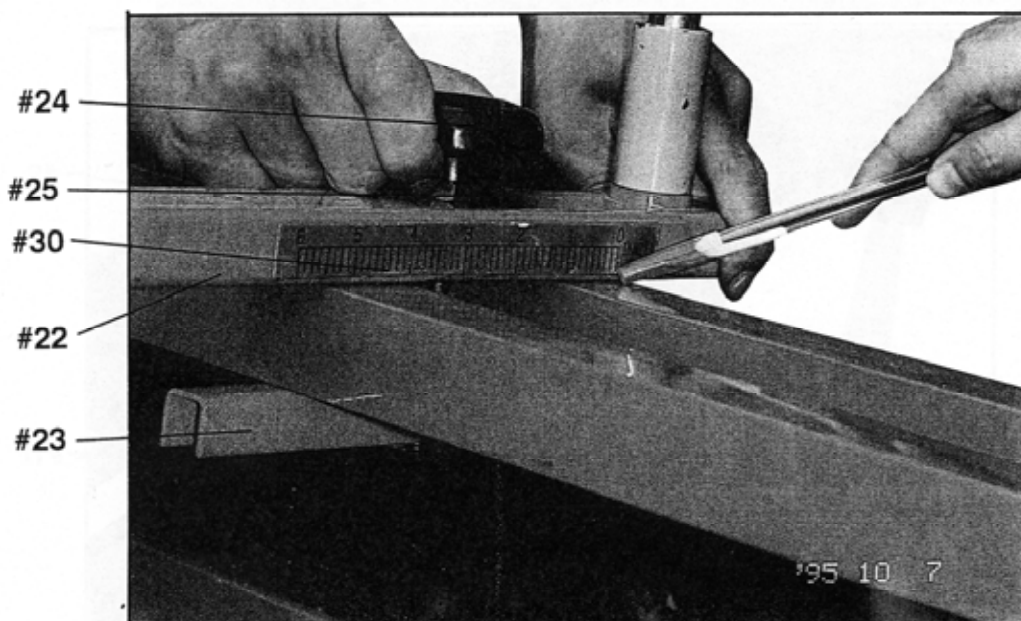


FIG2 - 2

COMBINE THE MAIN FRAME AND SUPPORT- ING STANDS

REFER TO FIG. 3, INSERT THE RODS OF SUPPORTING STANDS (#22) INTO THE TUBES OF MAIN FRAME (#1). THEN TIGHTEN THE SET SCREW (#6) ON.

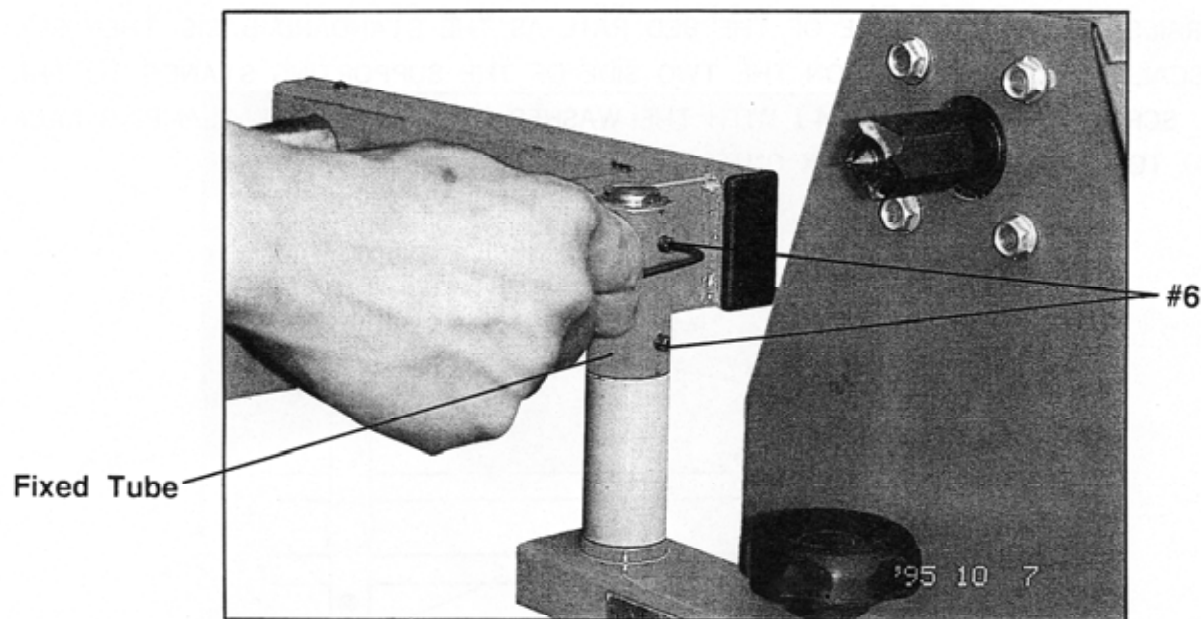


FIG. 3

FIX THE COPY ROD

REFER TO FIG. 4 LOOSEN THE KNOB (#11), PULL THE HANDLE (#8) AND THE KNOB (#11) BACK TO THE ULTIMATE AND THEN RETIGHTEN THE KNOB (#11). IT THEN ALLOWS THE COPY SAMPLE TO BE MOUNTED TO ITS MAXIMUM CAPACITY.

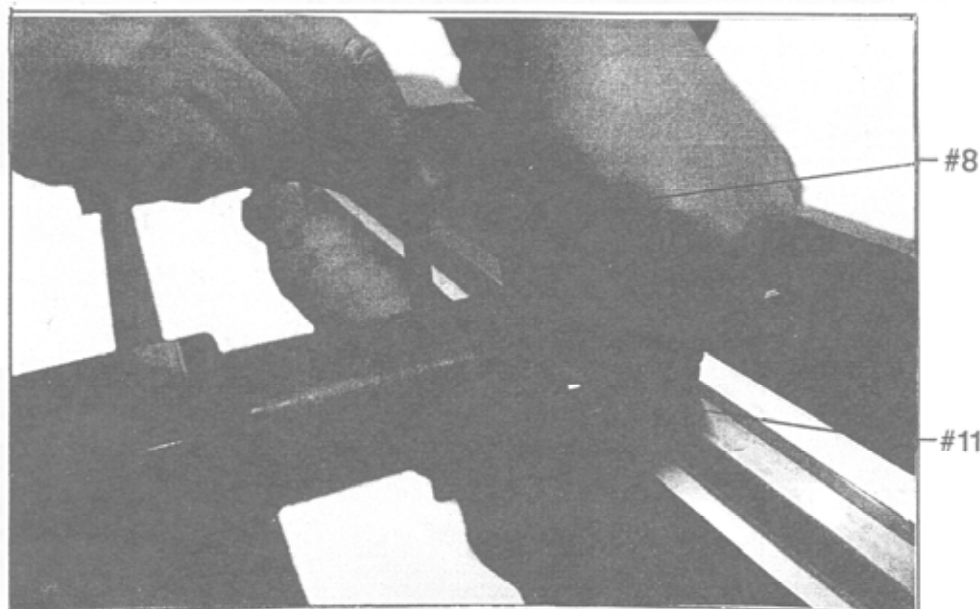


FIG. 4

LOAD THE COPY SAMPLE

REFER TO FIG. 5, LOOSEN THE NUTS (#35), THEN ADJUST THE DISTANCE BETWEEN TWO BRACKETS (#33) BY SLIDING THE CLAMPING BLOCKS (#32) AND RETIGHTEN THE SCREW (#35). PUT THE COPY SAMPLE ON AND TIGHTEN THE CENTER KNOBS (#27) TO ENSURE THE COPY SAMPLE BE HELD TIGHTLY.

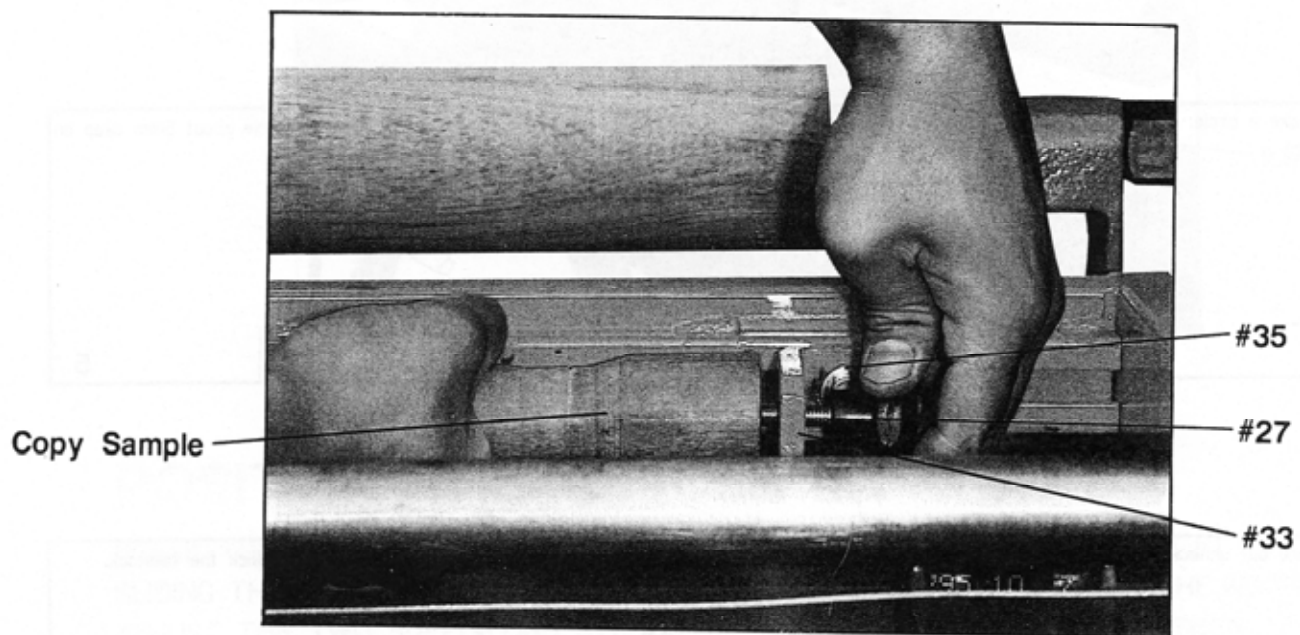
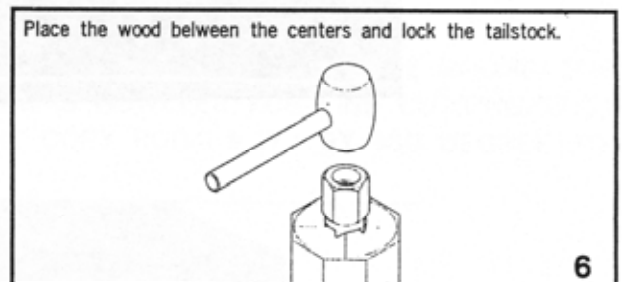
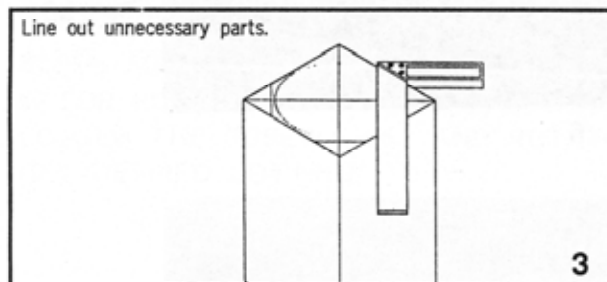
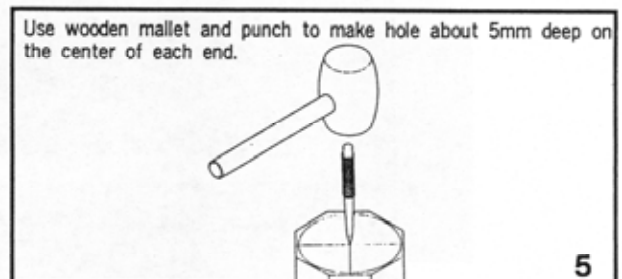
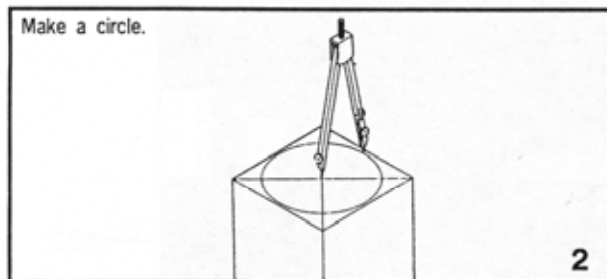
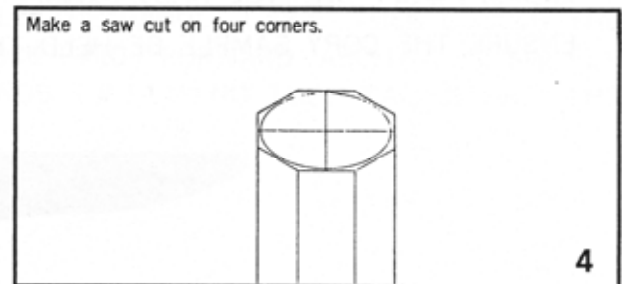
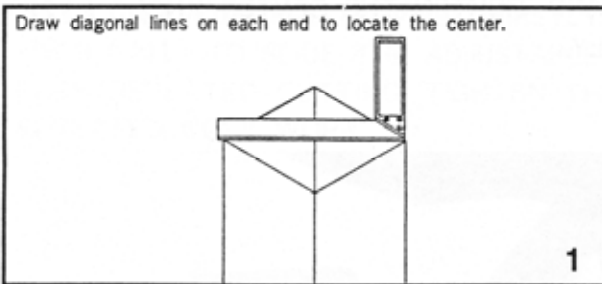


FIG. 5

HOW TO SET THE WORKPIECE ONTO THE LATHE



RE-POSITION THE COPY ROD

REFER TO FIG. 6, HOLD THE HANDLE (#8) AND LOOSEN THE KNOB (#11), RELEASE THE HANDLE (#8) SLOWLY UNTIL THE COPY ROD (#17) TOUCH THE MAXIMUM PEAK POINT OF THE COPY SAMPLE.

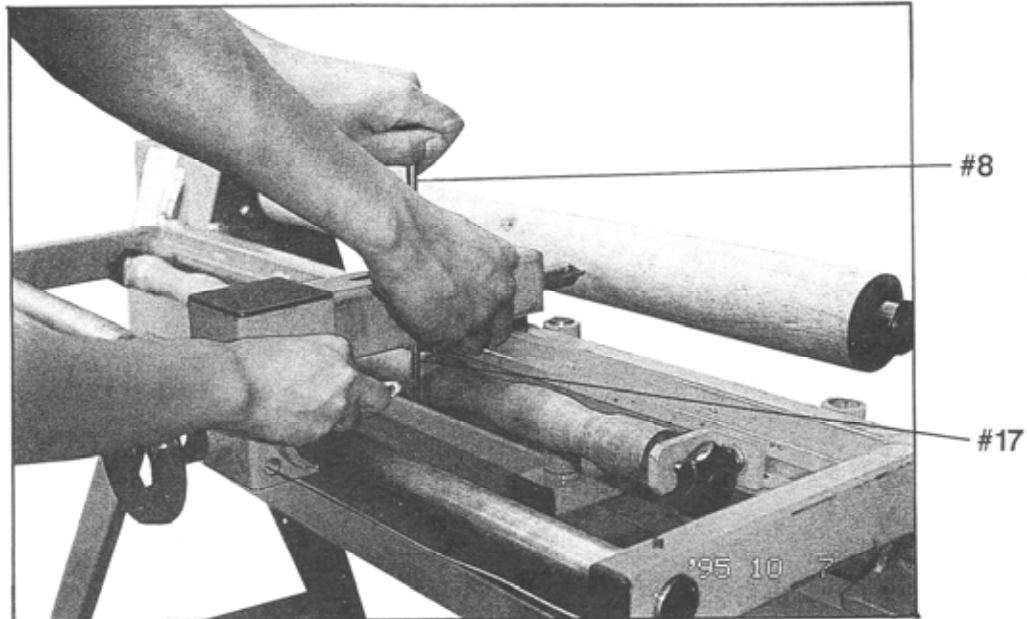


FIG 6

POSITION THE CUTTER

REFER TO FIG. 7, LOOSEN THE KNOBS (#24). ADJUST THE MAIN FRAME (#1) BY SLIDING THE SUPPORTING STANDS (#22) UNTIL THE CUTTER (#13) TOUCH THE WORKPIECE. ADJUST THE TWO SUPPORTING STANDS TO THE SAME SCALE READINGS, THEN TIGHTEN THE KNOBS (#24).

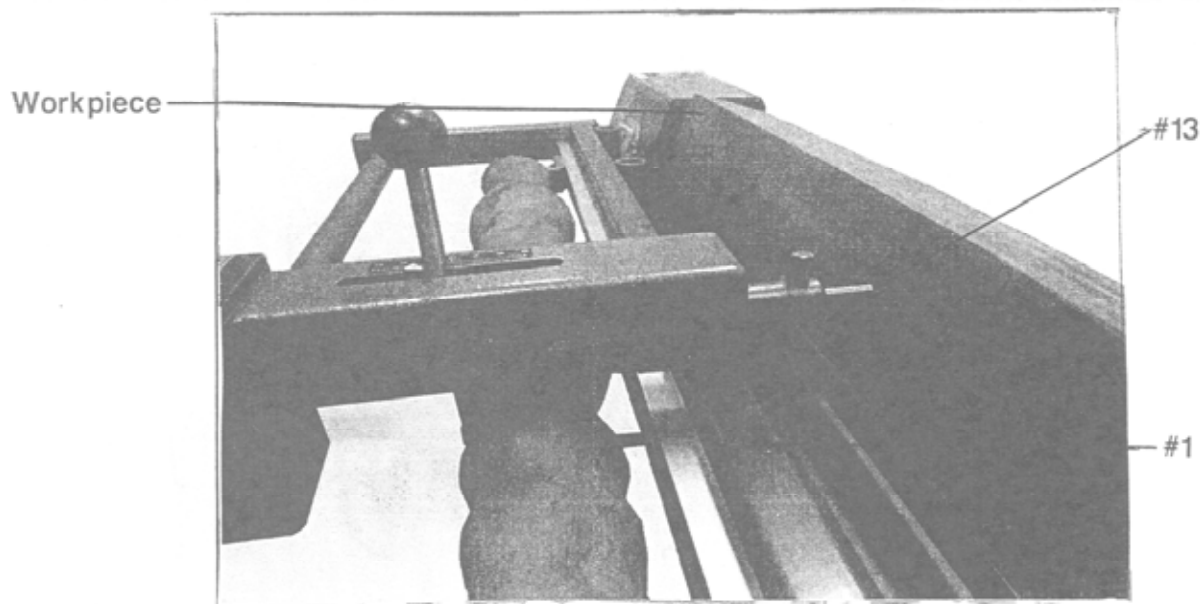


FIG 7

HOW TO MAKE BETTER COPY WORK

REFER TO FIG. 8, SWITCH ON THE WOOD LATHE AND TURN THE HAND WHEEL (#5) TO MAKE THE CUTTER FORWARD AND BACKWARD ALONG THE WORKPIECE. IN ORDER TO MAKE THE REPEATED COPY EASIER AND FINER. THE FEEDING DEPTH OF THE CUTTER SHOULD BE CONTROLLED WELL. FIRSTLY, HOLD THE HANDLE (#8). THEN LOOSEN THE KNOB (#11) TO SLIDE THE ADJUSTABLE BLOCK (#10) FORWARD ABOUT 1—2 MM. FOR EACH REPEATED CUTTING. TIGHTEN THE KNOB (#11) AND THEN CAN START THE REPEATED COPY WORK.

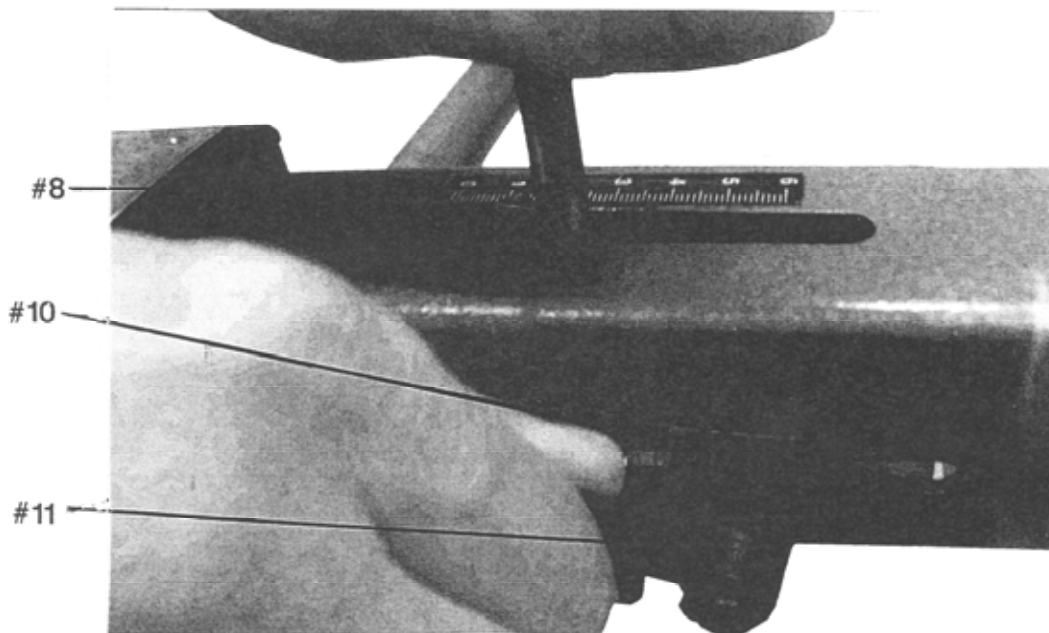


FIG. 8

ROUGH AND FINE CUTTING

REFER TO FIG. 9, THE COPY ROD (#17) HAS TWO DIFFERENT SIDES, THE ROUND ONE IS FOR ROUGH CUTTING AND THE SHARP ONE IS HOWEVER FOR FINE CUTTING. JUST LOOSEN THE SCREW (#6) AND ROTATE THE COPY ROD (#17) BY 180 DEGREE TO GET DESIRED CUTTING.

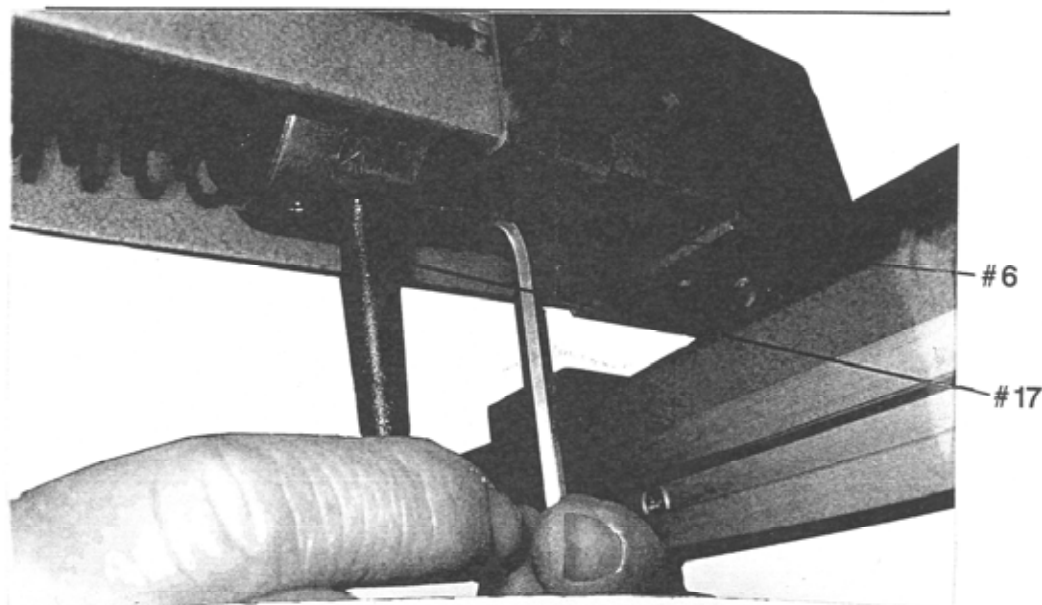


FIG. 9

LOAD THE TEMPLATE

REFER TO FIG. 10, IF THE COPY SAMPLE IS NOT USED BUT TEMPLATE IS USED, JUST LOOSEN THE NUTS (#35) THEN PULL THE BRACKET (#33) TO EXTREME RIGHT (LEFT) AND TURN IT BY 90 DEGREES TO THE POSITION AS SHOWN. ADJUST THE DISTANCE BETWEEN TWO BRACKETS (#33) FOR INSTALLING THE TEMPLATE PROPERLY AND THEN TIGHTEN THE NUTS (#35) TO FIX THE BRACKETS (#33). REMOVE THE CENTER KNOBS (#27) TO LOAD THE TEMPLATE AND THEN SCREW THE CENTER KNOBS (#27) RACK. THE SUCCESSIVE COPY STEPS ARE SAME AS USING COPY SAMPLE.

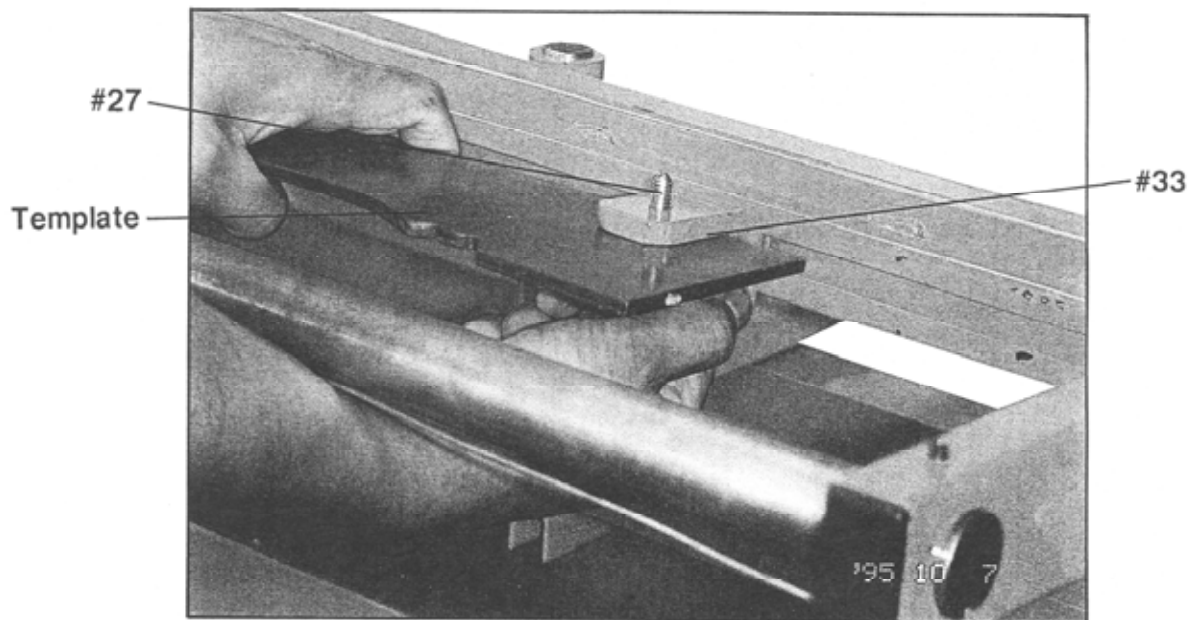


FIG. 10

PROBLEM SHOOTING

IF THE SLIDING SEAT (#3) IS STILL OR MOVED SLOWLY WHILE ROTATING THE HAND WHEEL (#5), THAT MEANS THE STEEL WIRE IS LOOSE. THE WIRE SHOULD BE STRUNG IMMEDIATELY TO ENSURE THE CONTINUOUS SMOOTH WORK. FOLLOWING ACTIONS HAVE TO BE TAKEN :

1. REFER TO FIG. 11 LOOSEN NUT (#37), SCREW THE ADJUSTABLE BOLT (#36) TO THE END.

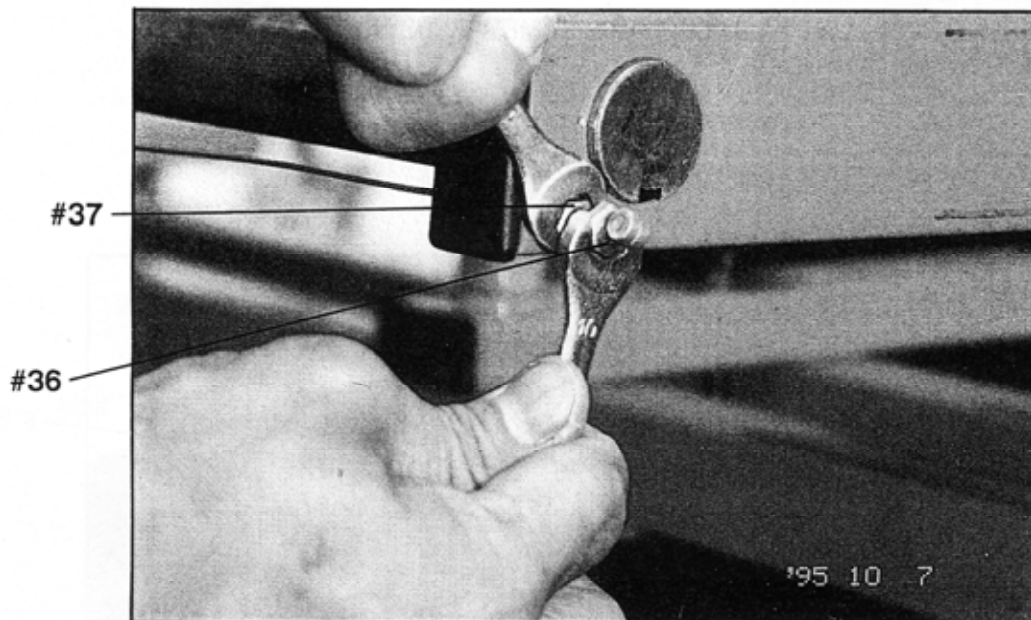


FIG. 11

2. REFER TO FIG. 12, PRY THE COVER (#26) OFF WITH SCREW DRIVER.

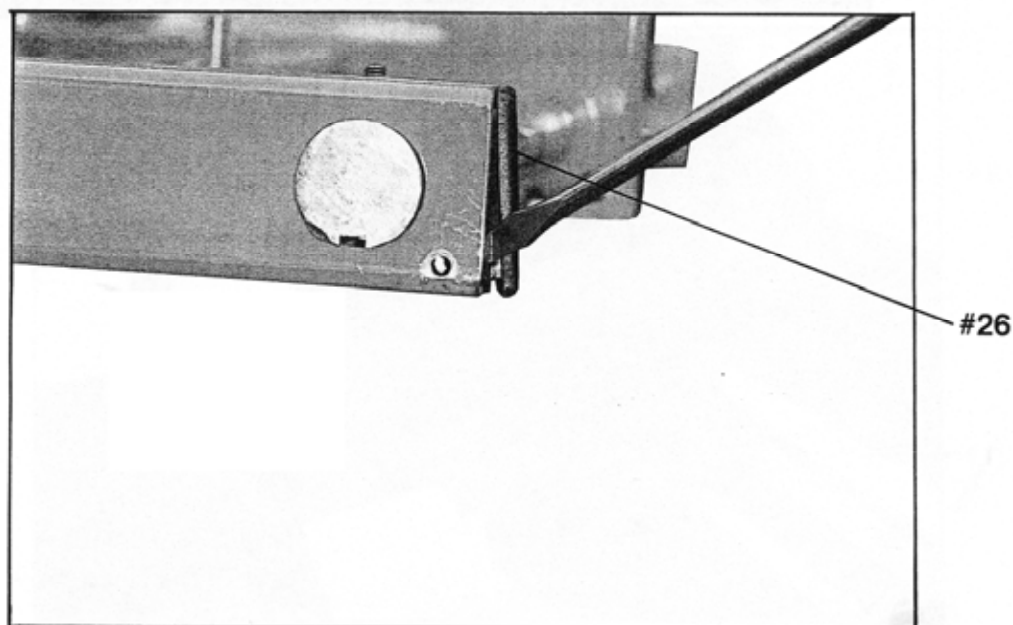


FIG. 12

3. REFER TO FIG. 13, LOOSEN BOLT (#39), THEN PINCH THE WIRE (#43) AND PULL IT WITH PLIER, AND THEN TIGHTEN THE BOLT (#39).

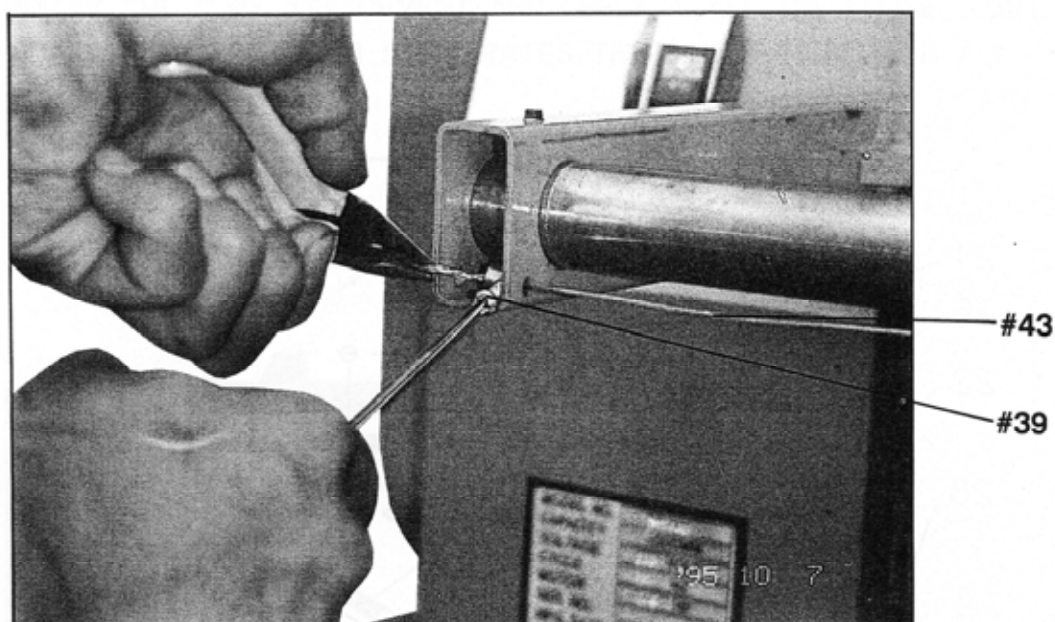


FIG. 13

4. RESCREW THE ADJUSTABLE BOLT (#36) UP TO STRING THE STEEL WIRE MORE TIGHTLY, AND THEN TIGHTEN THE NUT (#37)

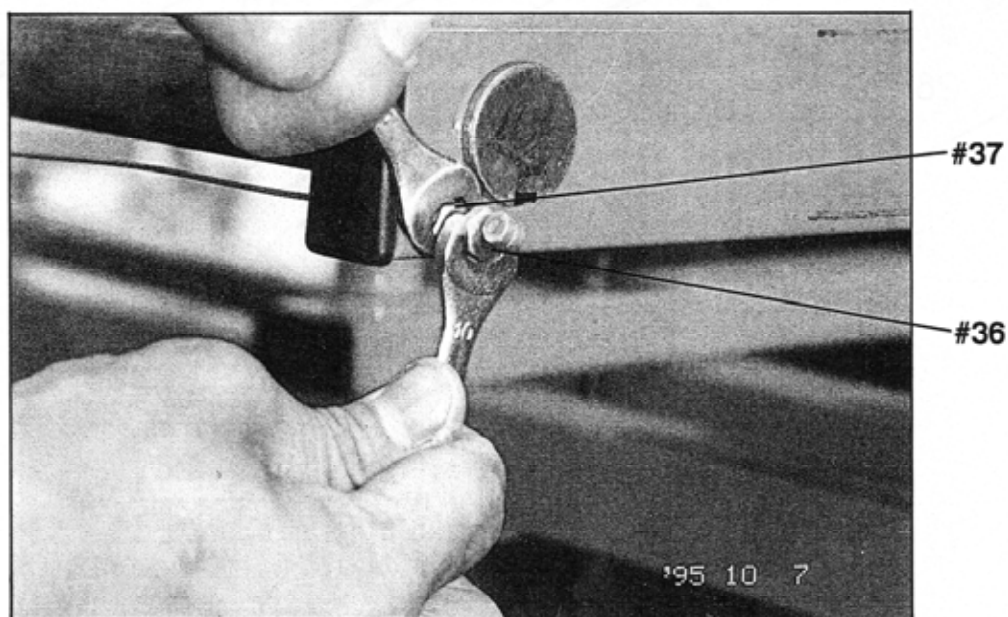
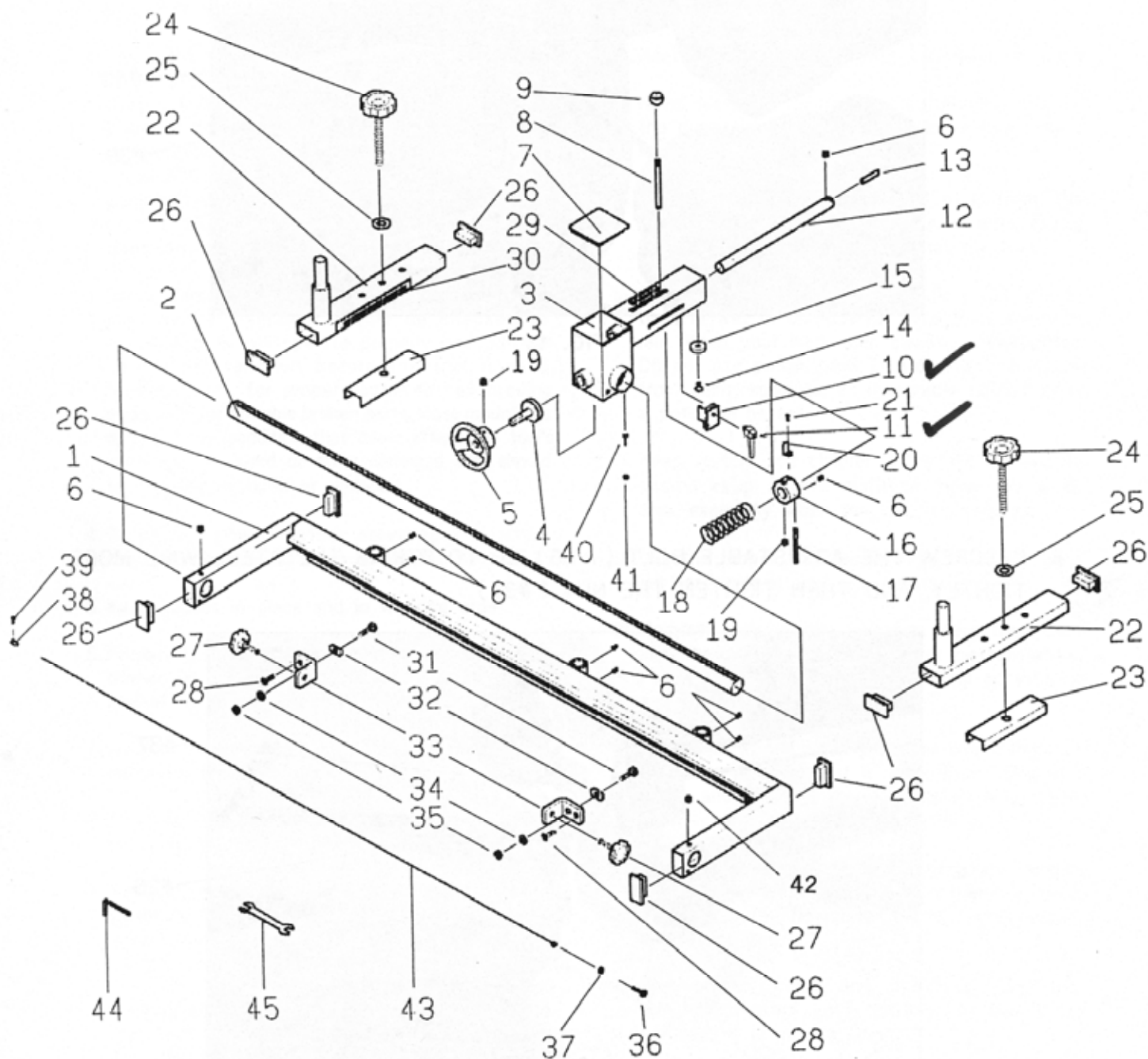


FIG. 14

ASSEMBLY DIAGRAM



PART LIST

NO	DESCRIPTION	SIZE	QTY
1	MAIN FRAME		1
2	ROD		1
3	SLIDING SEAT		1
4	TRANSMITTING SHAFT		1
5	HAND WHEEL		1
6	SET SCREW	M6×L6	8
7	COVER		1
8	HANDLE		1
9	KNOB		1
10	ADJUSTABLE BLOCK		1
11	KNOB	M6×L12	1
12	CUTTING ARBOR		1
13	CUTTER		1
14	COUNTER SUNK CROSS SCREW	M6×L8	1
15	ANTI-VIBRATING PLATE		1
16	COLUMN RING		1
17	COPY ROD		1
18	SPRING		1
19	SET SCREW	M8×L6	2
20	POINTER		1
21	BOLT	M4×L5	1
22	SUPPORTING STAND		2
23	CLAMPING RACK		2
24	KNOB	M10×L100	2
25	WASHER	10.2×20.2×2	2
26	COVER		8
27	CENTER KNOB	M8×L30	2
28	BOLT	M8×L16	2
29	SCALE		2
30	SCALE		2
31	SCREW	M8×L25	2
32	CLAMPING BLOCK		2
33	BRACKET		2
34	WASHER	8.2×18×2	2
35	NUT	M8	2
36	ADJUSTABLE BOLT	M6×L25	1
37	NUT	M6	1
38	WIRE CLAMPING SLEEVE		1
39	BOLT	M4×L8	1
40	SOCKET SCREW	M3×L12	1
41	NUT	M3	1
42	SET SCREW	M6×L12	2
43	STEEL WIRE	M1.5×L1350	1
44	HEX WRENCH	3MM	1
45	WRENCH WRENCH	10MM ; 12MM	1

