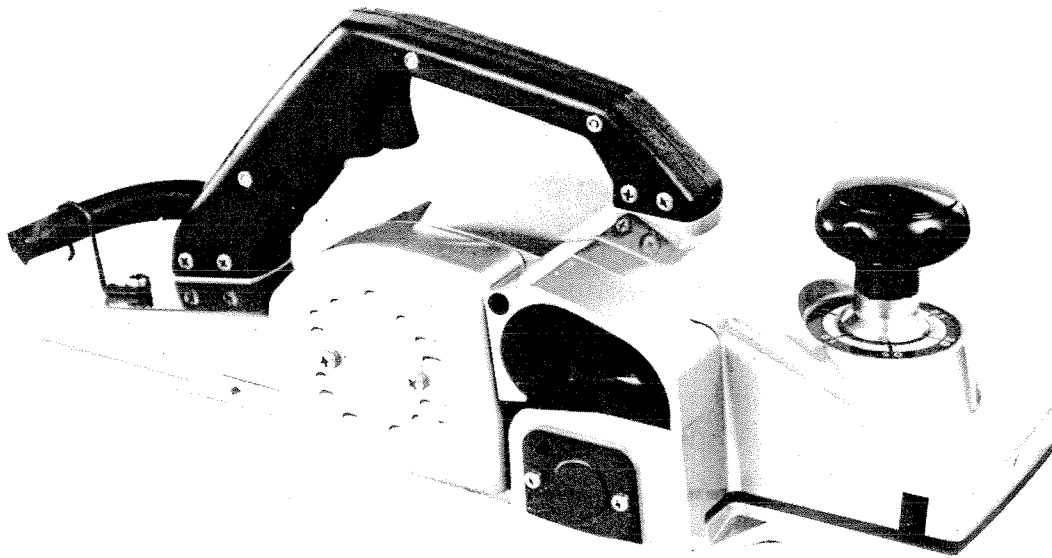


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**RYOBI**

# OWNER'S OPERATING MANUAL

## HAND PLANER / L-480A, L-580A

スタンダード  
6980404(D) (A)



BE SURE TO READ THIS OWNER'S MANUAL THOROUGHLY BEFORE USING YOUR TOOL

## **SAFETY INSTRUCTIONS**

**WARNING:** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following.

**SAFETY FIRST**—Read all instructions thoroughly and learn the applications, operating limitations and potential hazards of this tool before attempting to operate it.

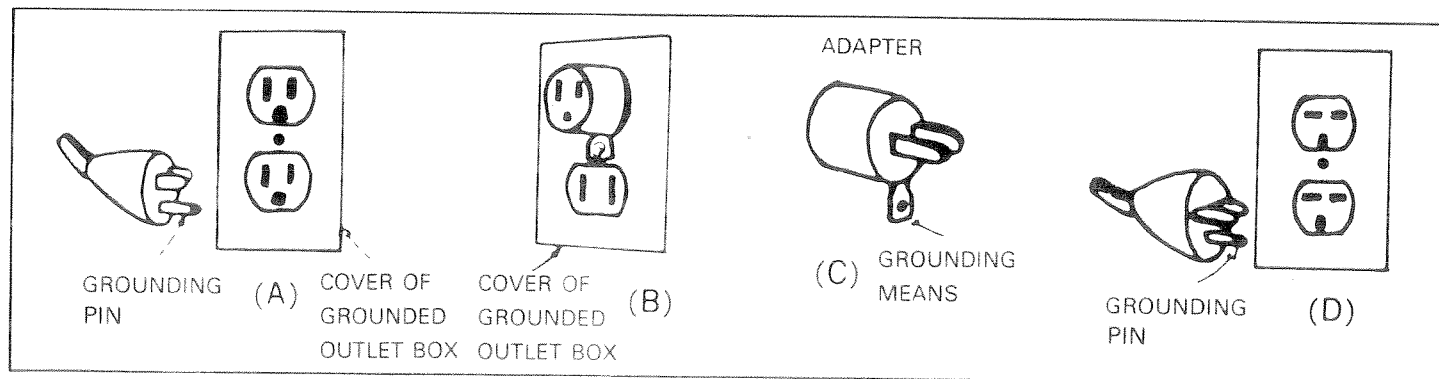
1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Do not use tool in presence of flammable liquids or gases.
3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended — for example — don't use circular saw for cutting tree limbs or logs.
8. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
10. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
11. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
12. **DON'T OVERREACH.** Keep proper footing and balance at all times.
13. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
14. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
15. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch

Be sure switch is off when plugging in.

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
20. **ACCESSORIES.** The use of accessories or attachments other than recommended might present a hazard.
21. **REPLACEMENT PARTS.** When servicing use only identical replacement parts.
22. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

## GROUNDING INSTRUCTIONS

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with a three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green ( or green and yellow ) conductor in the cord is the grounding wire. Never connect the green ( or green and yellow ) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like that shown in sketch (A) in Figure. If it is for use on 150 to 250 volts, it has a plug that looks like that shown in sketch (D). An adapter, see sketches (B) and (C), is available for connecting sketch (A) type plugs to two-prong receptacles. The green-colored rigid ear, lug, or the like, extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box. No adapter is available for a plug as shown in sketch (D).



- **EXTENSION CORDS.** Use only three-wire extension cords that have three-prong grounding-type plugs and three-pole receptacles that accept the tool's plug. Replace or repair damaged cords.

## ● SUPPLEMENTARY INSTRUCTIONS FOR SAFE HANDLING

1. Make sure a tool is only connected to the voltage marked on its name plate.
2. Never use a tool if its cover or any bolts are missing. If the cover or bolts have been removed, replace them prior to use. Maintain all parts in good working order.
3. Always secure tools when working at elevated positions.
4. Never touch the blade or other moving parts during use.
5. Never start a tool when its rotating component is in contact with the workpiece.
6. Never lay a tool down before its moving parts have come to a complete stop.

## ● SAFETY PRECAUTIONS HAND PLANER

1. Make sure cutter blades are mounted according to the operating instructions and all bolts are firmly tightened before connecting to the power source. Loose bolts may cause the blades to fly off to cause a serious accident.
2. It is extremely dangerous to point the cutting surface toward any person.
3. Be careful when mounting and dismounting blades since they are extremely sharp and can cause severe cuts.
4. Never place hands near the belt cover during operation since it is not covered on the bottom.
5. Make sure the workpiece is free from nails and other foreign objects which could damage the edge or cause accidents.
6. Hold securely when starting since inertia from the motor can cause the planer to jump from the operator's grasp.
7. Hold the tool with both hands. Holding it with one hand is dangerous.
8. It is extremely dangerous to place fingers or objects into the chip outlet where they could contact the rotating blades.
9. Make sure the rabbeting cover, which protects hands from the blades, moves smoothly which completely covering the cutter blades prior to operation.
10. Replace cutter blades as a pair. Individual replacement will cause improper balance, resulting in vibration and reduced tool life.

## ● SPECIFICATIONS

Model	L-480A	L-580A
capacities		
planing depth	3mm(1/8")	3mm(1/8")
planing width	136mm(5-3/8")	155mm(6-1/8")
rabbeting depth	9mm(23/64")	9mm(23/64")
Input	1,200watt	1,200watt
No load speed	16,000r.p.m.	16,000r.p.m.
Overall length	440mm(17-5/16")	440mm(17-5/16")
Net weight	7.6kg(16.7lbs)	7.9kg(17.4lbs)

## ● SWITCH

Your planer starts and stops by depressing and releasing the switch. For continuous operation, press the lock button located on the left side of grip while switch is depressed. Depress switch to release the lock.

\*Switch lock button is optional and may differ in each country.

## ● HOW TO ADJUST PLANING DEPTH

To adjust, turn foot adjustment knob to desired depth as indicated on the scale.

Rough planing . . . . . 2~3mm(5/64"~19/64")

Finish planing . . . . . 0.3~1mm(1/64"~3/64")

(CAUTION)

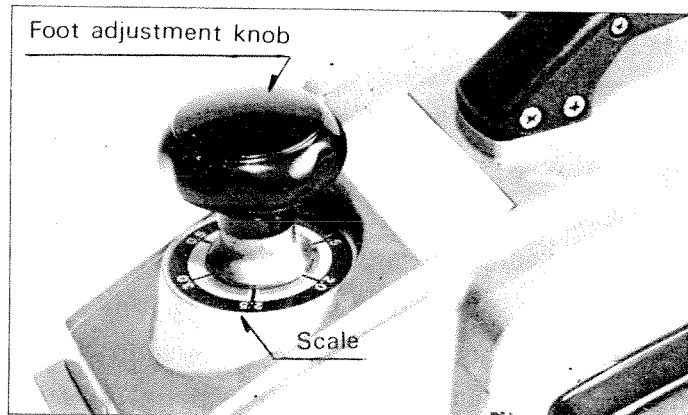
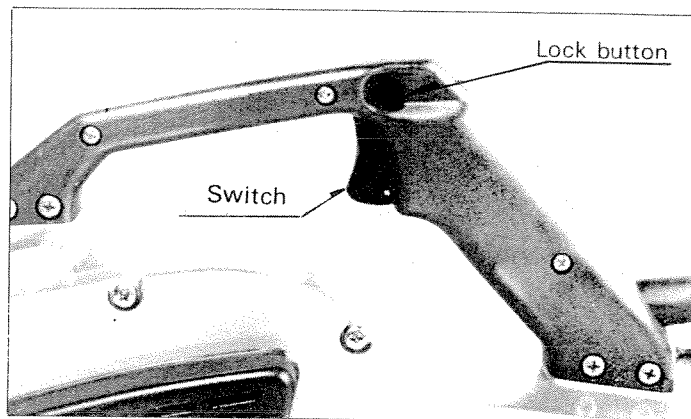
DO NOT TURN FOOT ADJUSTMENT KNOB MORE THAN MAX.PLANING DEPTH 3 MM.

## ● APPLICATIONS (use only for the purpose listed below)

1. Wood planing (standard planing, rabbeting.)

## ● STANDARD ACCESSORIES

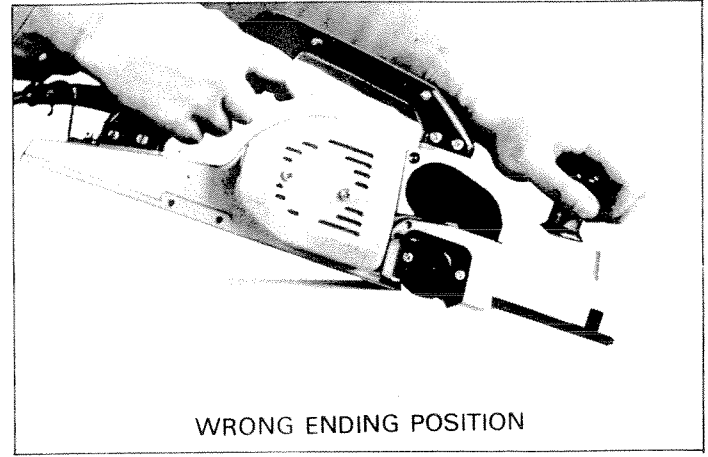
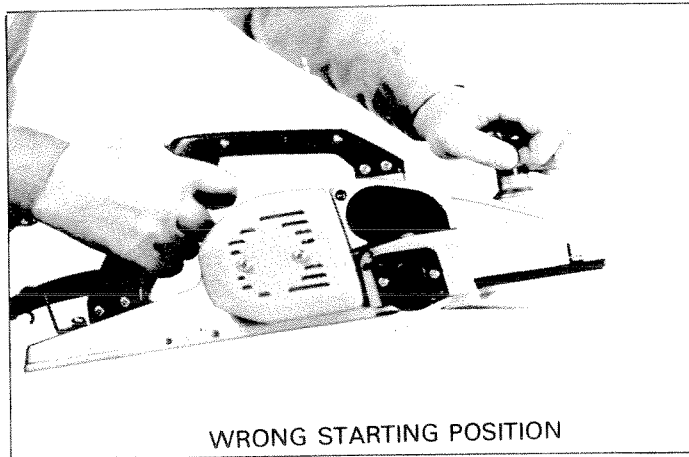
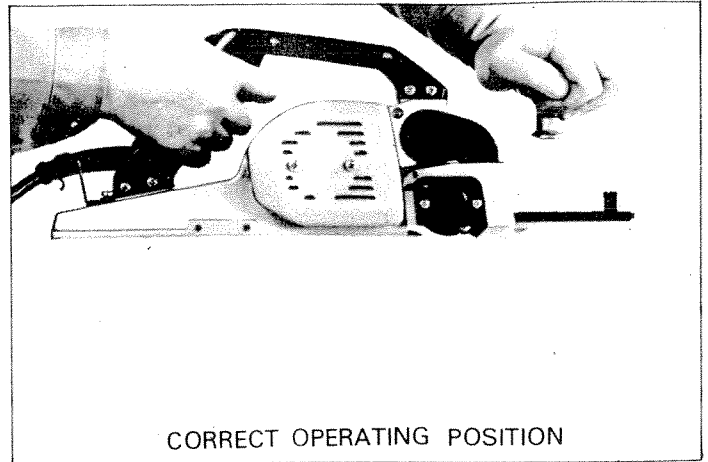
Blade adjustment gauge, "T" type wrench, Sharpening holder.



## ● OPERATING GUIDE

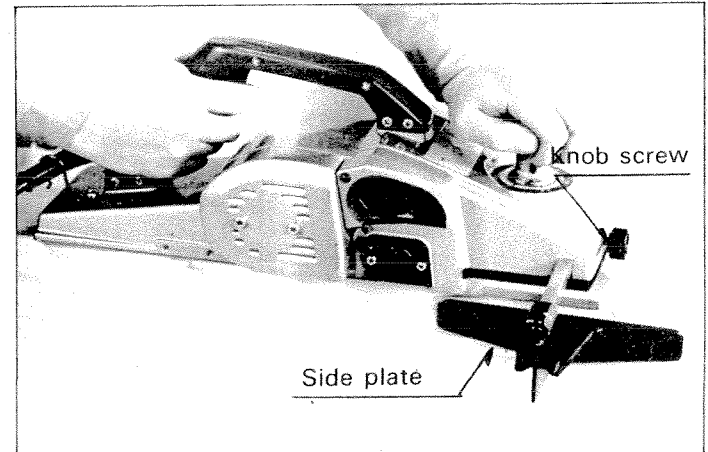
### ● PLANING

With one hand holding the front adjustment knob and other hand holding handle, place front shoe on the work making certain blades are not touching the work. Put pressure on the front handle so that the front shoe is absolutely flat on the work. Start to plane with motor running at full speed. When coming to the end of the work be careful to keep your planer flat.



### ● SIDE PLATE (special accessories)

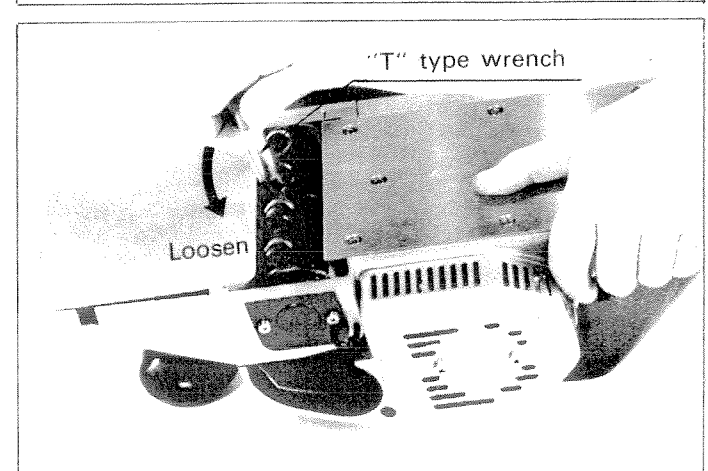
The side plate helps you plane long, uneven surfaces evenly. Attach the side plate to the side of the plane with the knob screw. Position plane so that side plate rests along the edge of the piece to be planed. Move the plane forward, being sure to always maintain contact with the work piece. Using the side plate you can easily plane an area 110 mm to 155 mm wide.



### ● REMOVING BLADES

BE SURE TO DISCONNECT THE POWER CORD BEFORE REMOVING OR REPLACING THE CUTTER BLADE.

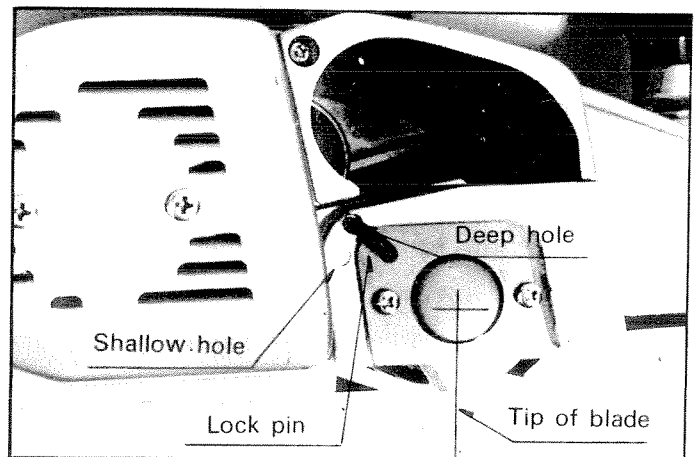
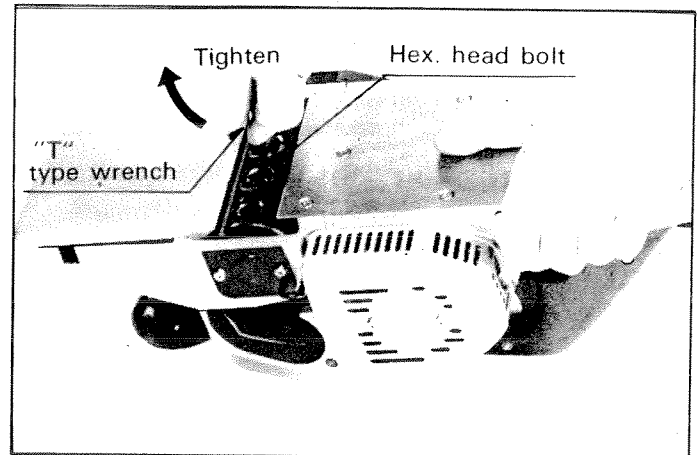
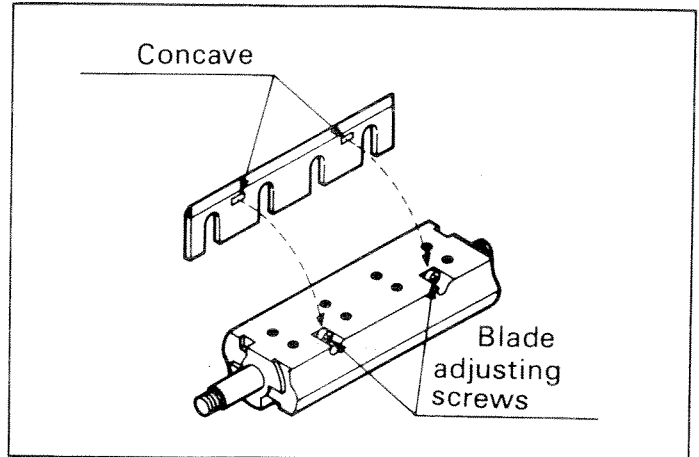
To change blades, first remove the hex. head bolts with the "T" type wrench provided. Next, remove the blade binders and blades.



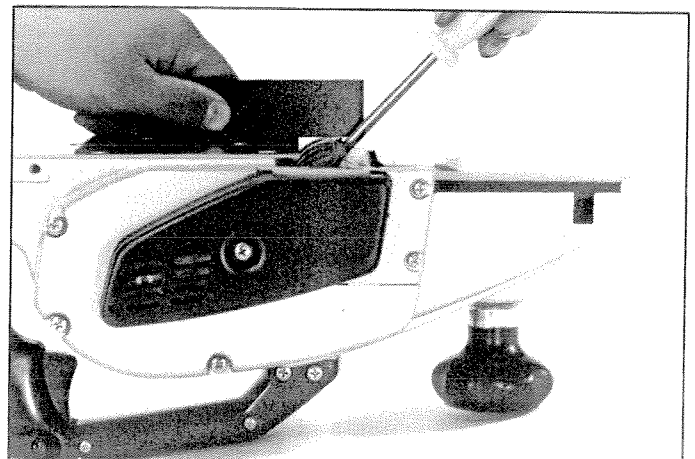
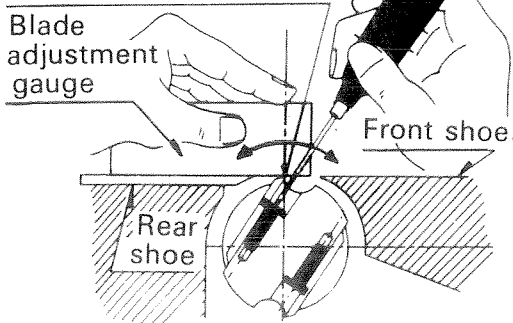
## ● ADJUSTING BLADES

BE SURE TO DISCONNECT THE POWER CORD BEFORE CHANGING, ADJUSTING OR SHARPENING CUTTER BLADES.

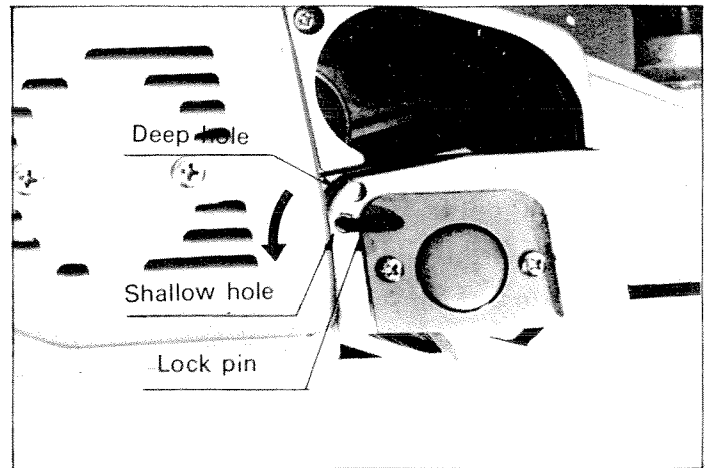
- a) Place cutter blade on the cutter block and make certain that the blade is caught properly with two blade adjustment screws.
- b) Place blade binder on the cutter blade and screw 4 hex. head bolts slightly with "T" type wrench as cutter blade can be slid.
- c) Rotate cutter block until tip of the blade is in line vertically with the shaft center. Pull and turn lock pin and insert it into deep hole to fix cutter block.
- d) Adjust blade using the blade adjustment screws with screwdriver and blade adjustment gauge. The blade must be set level in this entire length with stationary rear shoe.



Keep cutter blade on a level with rear shoe.

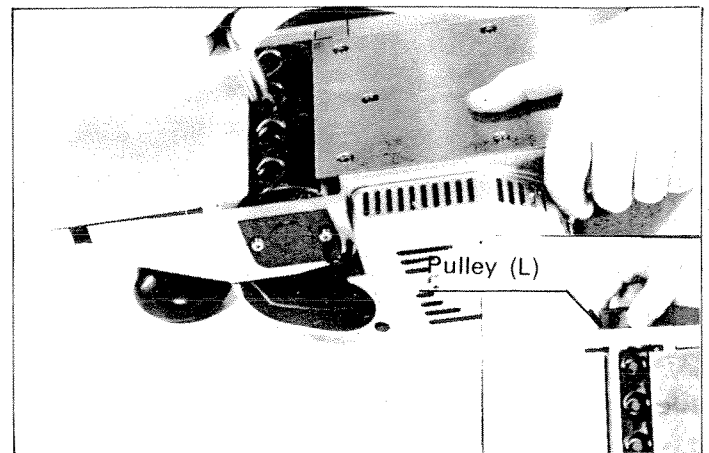


- e) Pull and turn lock pin and insert it into shallow hole to release the cutter block. ▶



- f) Finally tighten hex. head bolt securely with "T" type wrench.

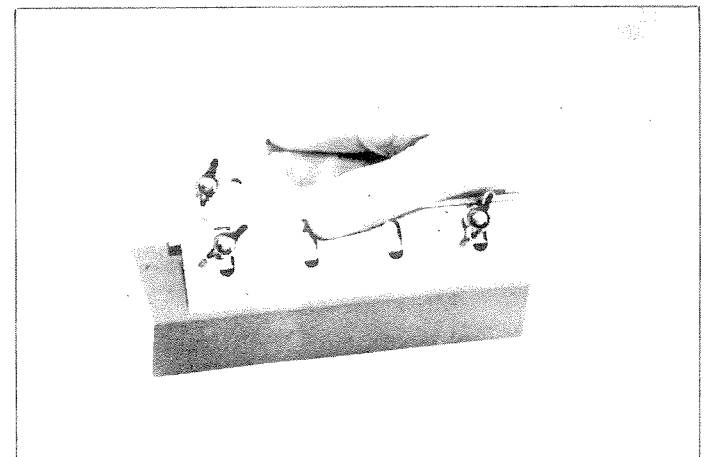
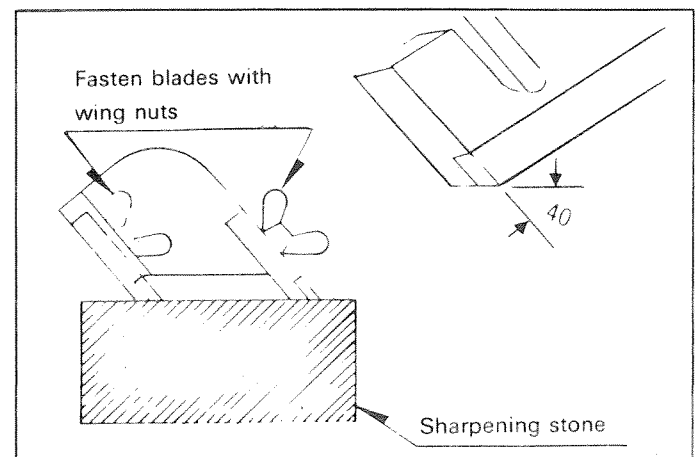
BE SURE TO TIGHTEN HEX. HEAD BOLT SECURELY AND RELEASE THE CUTTER BLOCK BEFORE CONNECTING TO POWER SUPPLY. ALWAYS REPLACE PLANER BLADES AS A SET. OTHERWISE, ROTATION WILL BECOME UNBALANCED, CAUSING VIBRATION AND SHORTENING TOOL LIFE.



## ● SHARPENING BLADES

1. Fasten blades to sharpening holder.  
Be sure both blade edges face in the same direction.
2. Place the blade edges so that they rest flat on the grinding stone (not included-must be purchased separately).
3. Firmly grip the blade holder and use a back and forth motion to sharpen the blades.

**CAUTION:** Do not use your hand to hold the sharpening stone. Clamp it or put it in a vise.

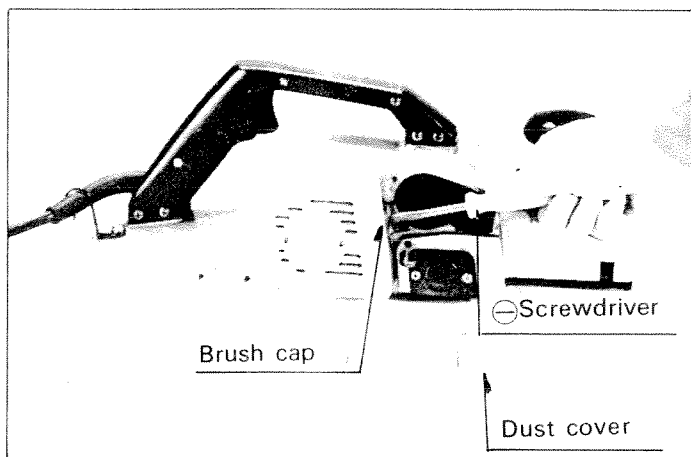
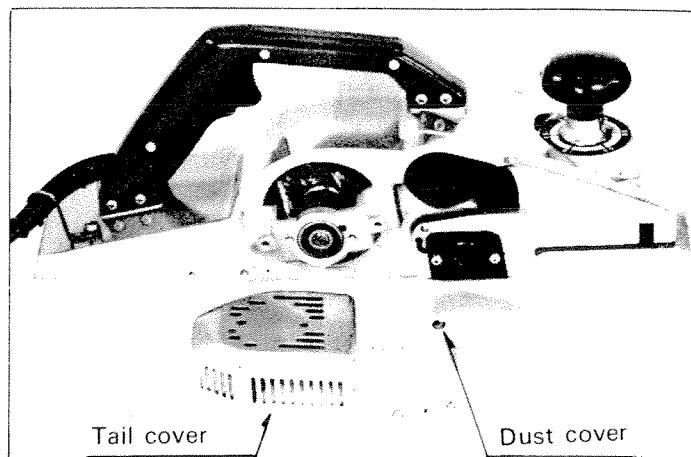
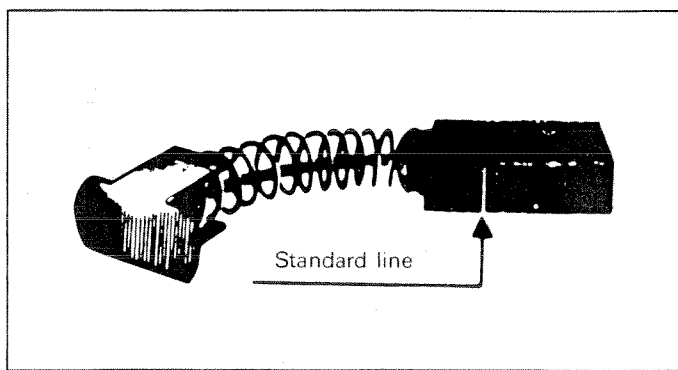


## ● MAINTENANCE

ALWAYS DISCONNECT THE POWER, BEFORE CHANGING BRUSHES, LUBRICATING OR WHEN WORKING ON THE UNIT.

After use, check planer, making particular care over these items;

- Take off the belt cover regularly and inspect the poly V-belts, and, if worn, replace.
- Clean out wood chips from your planer periodically.
- When carbon brushes worn down to the standard line, they must be replaced.



## ● WARNING

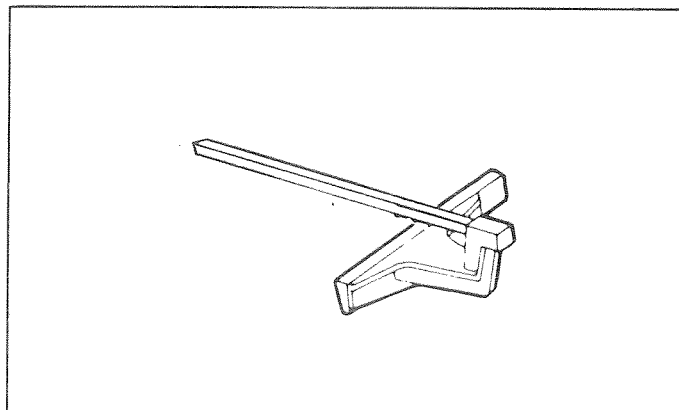
To assure safety and reliability, all repairs with the exception of externally accessible brushes should be performed by AUTHORIZED SERVICE CENTER or other QUALIFIED SERVICE ORGANIZATIONS.

## ● SPECIAL ACCESSORIES

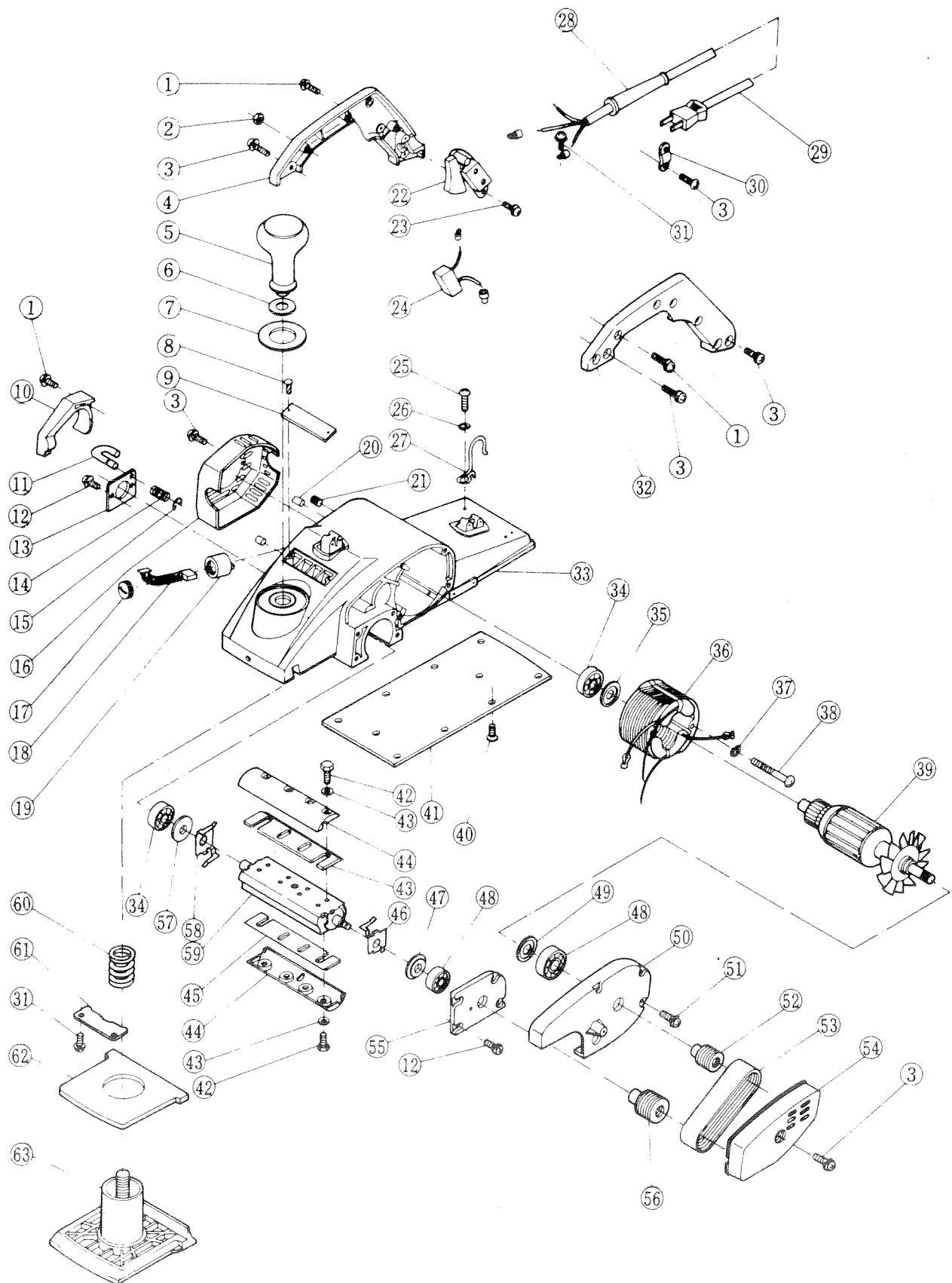
### ● SIDE PLATE

The side plate helps you plane long, uneven surfaces evenly.

Using this side plate you can easily plane an area 110mm to 155mm wide.



● EXPLODED VIEW



● PARTS LIST

Ref.NO.	DESCRIPTION	REF.NO	DESCRIPTION
1	Phil. Pan Screw M4x30	33	Frame
2	Hex. Nut M4	34	Ball Bearing 6200LLB
3	Phil. Pan Screw M5x12	35	Dust Seal
4	Handle (A)	36	Field Coil Assy.
5	Depth Adjustment Knob	37	Spring Washer M5
6	Washer	38	Phil. Pan Screw M5x60
7	"Depth of Cut"	39	Armature Assy.
8	Rivet 2	40	Phil. Flat Screw M4x10
9	Name Plate	41	Rear Shoe
10	Dust Cover	42	Hex. Head Bolt M6x17
11	Lock Pin	43	Washer
12	Phil. Pan Screw M4x12	44	Blade Binder
13	Bearing Cover	45	Cutter Blade
14	Coil Spring	46	Spring Plate (A)
15	Retaining Ring (E) 2.5	47	Dust Collar (B)
16	Tail Cover	48	Ball Bearing 6201LLB
17	Brush Cap	49	Dust Seal 12 x31 x2
18	Carbon Brush	50	Motor Cover
19	Brush Holder	51	Phil. Pan Screw M5x25
20	Rubber Knock	52	Pulley (S)
21	Set Screw M5x8	53	V Belt
22	Trigger Switch	54	Belt Cover
23	Phil. Pan Screw M4x6	55	Block Cover
24	Condenser	56	Pulley (L)
25	Phil. Pan Screw M6x15	57	Dust Collar (A)
26	Spring Washer M6	58	Spring Plate (B)
27	Cord Stand	59	Cutter Block
28	Cord Holder	60	Coil Spring
29	Cord Assy.	61	Guide Plate
30	Cord Clamp	62	Dust Sponge
31	Tapping Screw M4x10	63	Main Shoe
32	Handle (B)		