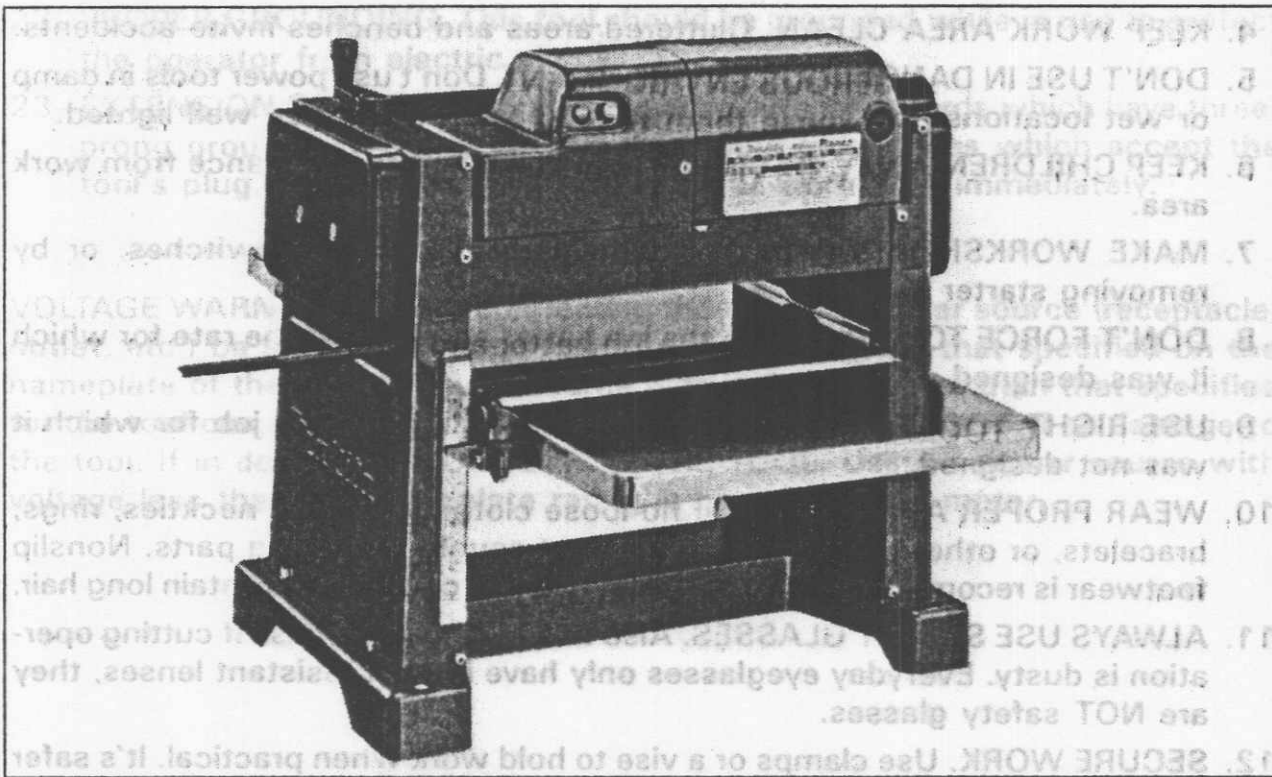




Makita Planer

304 mm (12") MODEL 2012

INSTRUCTION MANUAL



SPECIFICATIONS

Cutting width	Max. cutting depth	Feed rate/min.
304 mm (12'')	2.5 mm (3/32'') of stock width less than 150 mm (5-7/8''). 1.5 mm (1/16'') of stock width from 150 mm (5-7/8'') to 240 mm (9-1/2''). 1.0 mm (3/64'') of stock width over 240 mm (9-1/2'').	8 m (26.2 ft.)

Table size (W x L)	No load speed (RPM)	Overall dimensions (W x L x H)	Net weight
304 mm x 595 mm (12'' x 23-3/8'')	8,000	438 mm x 595 mm x 430 mm (17-1/4'' x 23-3/8'' x 16-7/8'')	24 kg (52.8 lbs)

- * Manufacturer reserves the right to change specifications without notice.
- * Note: Specifications may differ from country to country.

**BEFORE CONNECTING YOUR TOOL
TO A POWER SOURCE**
Be sure you have read all
GENERAL POWER TOOL SAFETY RULES

GENERAL SAFETY PRECAUTIONS

1. **KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tools applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
10. **WEAR PROPER APPAREL.** Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
14. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **DISCONNECT TOOLS** before servicing; when changing accessories such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in off position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
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.
20. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
22. **PROPER GROUNDING.** This tool should be grounded while in use to protect the operator from electric shock.
23. **EXTENSION CORDS:** Use only three-wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged or worn cord immediately.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL.** Using a power source with voltage less than the nameplate rating is harmful to the motor.

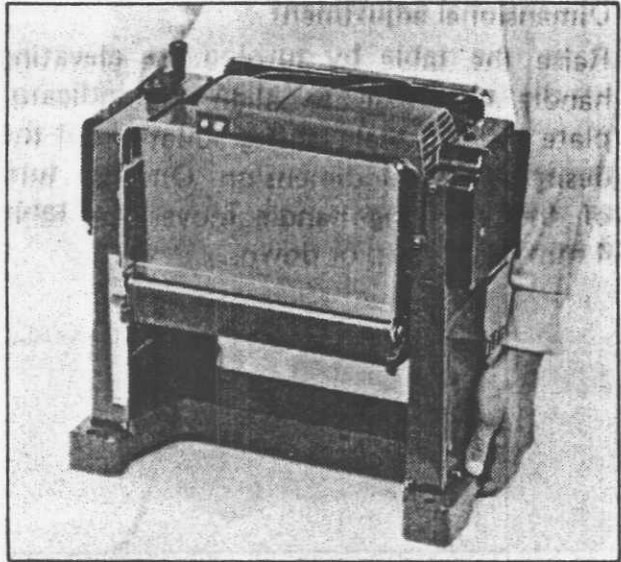
ADDITIONAL SAFETY RULES

- 1. Wear eye protection.**
- 2. Don't use the tool in the presence of flammable liquids or gases.**
- 3. Make sure that all covers are installed in place before operation.**
- 4. Handle the blades very carefully.**
- 5. Check the blades carefully for cracks or damage before operation. Replace cracked or damaged blades immediately.**
- 6. Tighten the planer blade installation bolts securely.**
- 7. Remove nails and clean the workpiece before cutting. Nail, sand or foreign matter can cause blade damage.**
- 8. Do not wear gloves during operation.**
- 9. Do not remove chips from the chip chute when the motor is running. Clean out chips after the blades come to a complete stop. Always use a stick, etc. when cleaning them out.**
- 10. Do not leave the tool running.**
- 11. Don't abuse cord. Never yank cord to disconnect it from receptacle. Keep cord away from heat, oil, water and sharp edges.**

SAVE THESE INSTRUCTIONS.

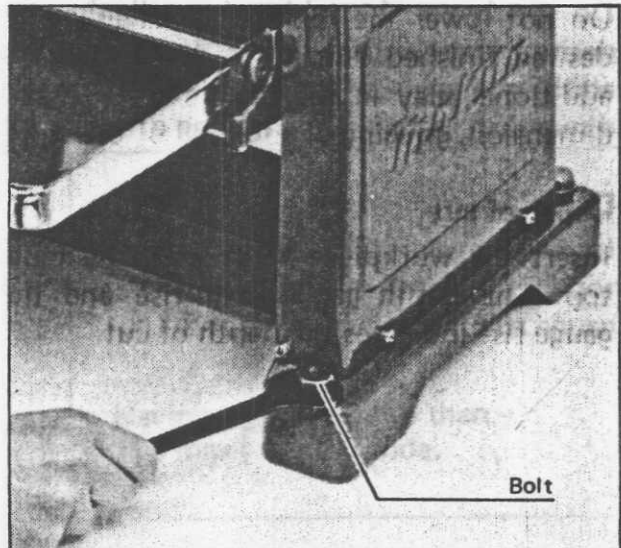
Movement and transport of planer

Fold the sub-table before moving the planer. When moving the planer, hold it by the concave portions of the base. When transporting the planer by vehicle, secure it with a rope or other substantial means.



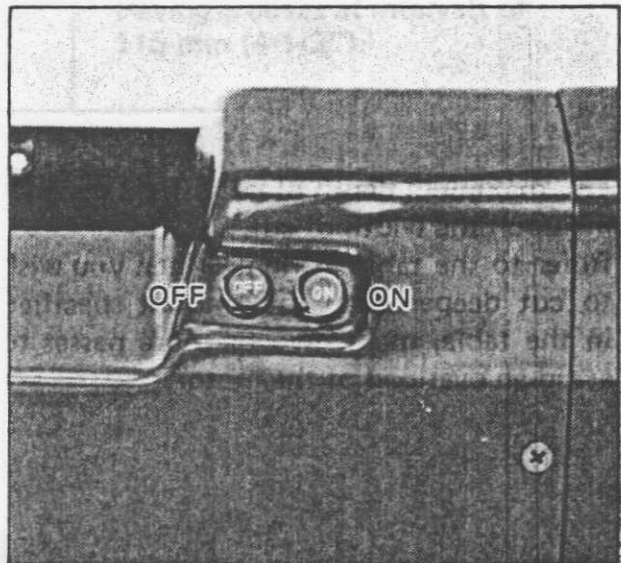
Positioning planer

Locate the planer in a well lit and level place where you can maintain good footing and balance. The planer should be bolted with four bolts to the work bench or planer stand (optional accessory) using the bolt holes provided in the base.



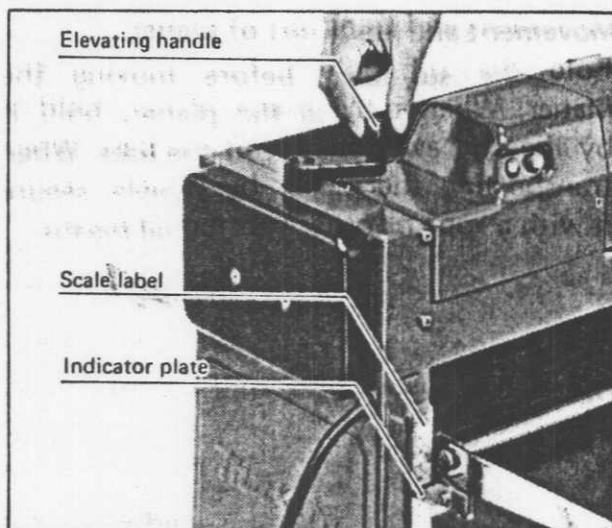
Switch action

To start the tool, press the "ON" button. Press the "OFF" button to stop.



Dimensional adjustment

Raise the table by turning the elevating handle clockwise to align the indicator plate with the scale label graduation for the desired finished dimension. One full turn of the elevating handle moves the table 4 mm (5/32") up or down.

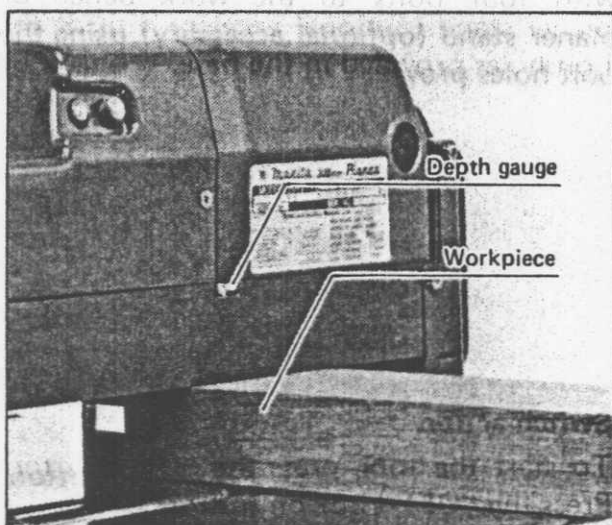


CAUTION:

Do not lower the table when aligning the indicator plate with the graduation for the desired finished dimension. If the table is lowered into the desired finished dimension, additional play in the handle screw may result. This may cause the undesired finished dimension, gouging or snipping of the workpiece.

Depth of cut

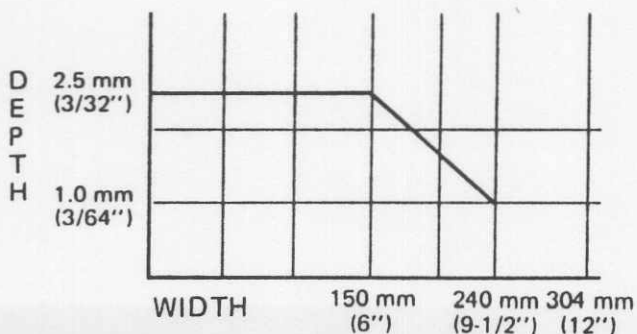
Insert the workpiece flush with the table top. The depth gauge will rise and the gauge rise indicates the depth of cut.



The maximum depth of cut differs depending upon the width of cut.

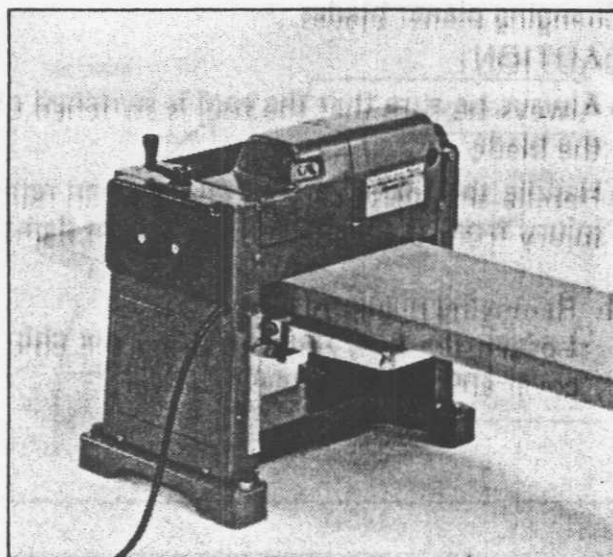
Refer to the table at right. When you wish to cut deeper than the amount specified in the table, make two or more passes to avoid an overload of the motor.

Max. depth of cut



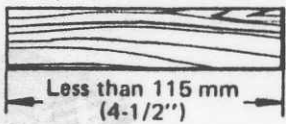
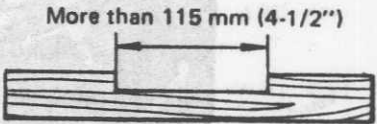
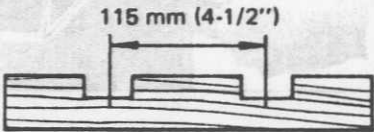
Operation

Switch on the tool and wait until the blades attain full speed. The workpiece should not be in contact with the feed roller when you turn the tool on. Then insert the workpiece flush with the table top. When cutting a long and heavy workpiece, lift up the end of the workpiece slightly at the start and the end of cut to avoid gouging or snipping at the extreme ends of the workpiece.



CAUTION:

- The following workpieces cannot be fed into the planer. Do not try to cut workpieces with the following dimensions.

1		Less than 115 mm (4-1/2'') long.
2		Having a groove more than 115 mm (4-1/2'') wide.
3		Having grooves at intervals of 115 mm (4-1/2'').

- Two or more pieces of narrow but similar thickness workpieces can be passed through the planer side by side. However, allow same spacing between the workpieces to permit the feed rollers to grip the thinnest piece. Otherwise, a slightly thinner piece could be kicked back by the cutting edge of the blade.
- Stop the tool when the workpiece is stalled. Keeping the tool running with a stalled workpiece causes abnormal wearing of the feed rollers.

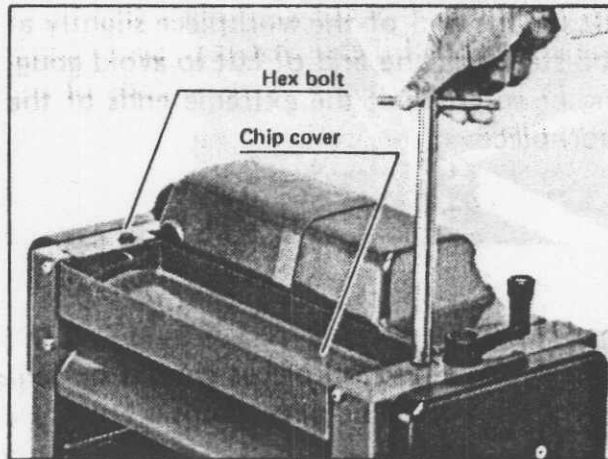
Changing planer blades

CAUTION:

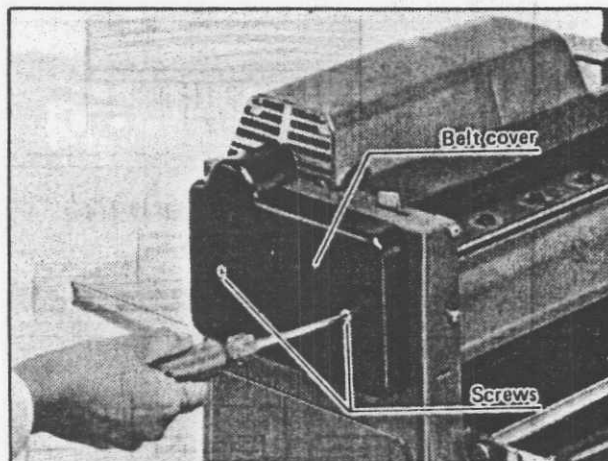
- Always be sure that the tool is switched off and unplugged before removing or installing the blade.
- Handle the blade very carefully when removing or installing the blade to prevent cuts or injury from the blade and to prevent damage to the blade.

1. Removing planer blades

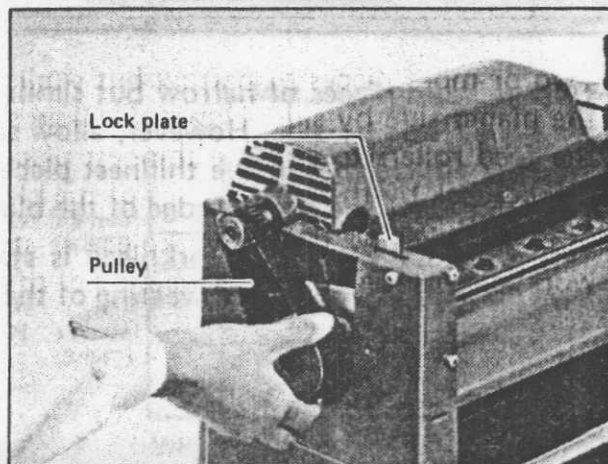
Loosen the hex. bolts securing the chip cover and remove the chip cover.



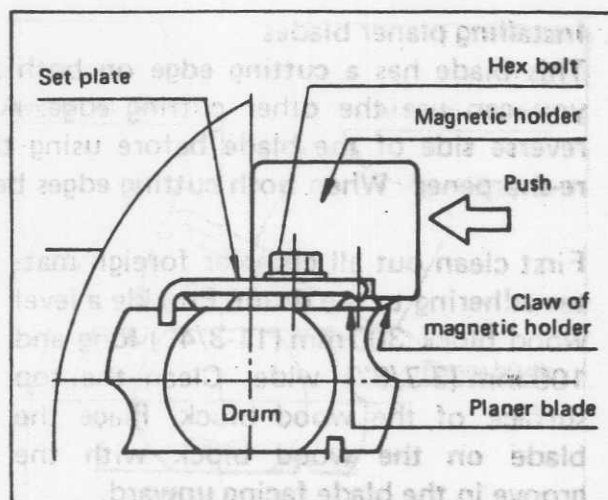
Loosen the screws securing the belt cover and remove the belt cover.



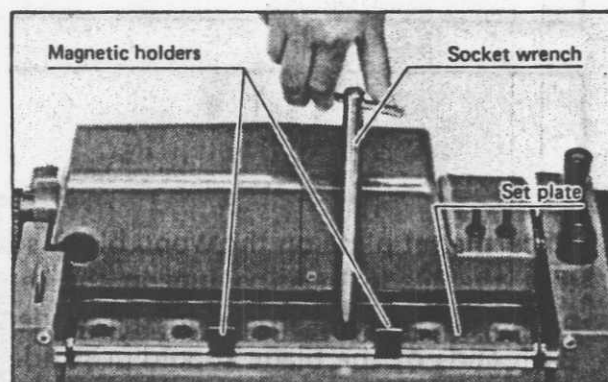
Turn the pulley to lock the drum.



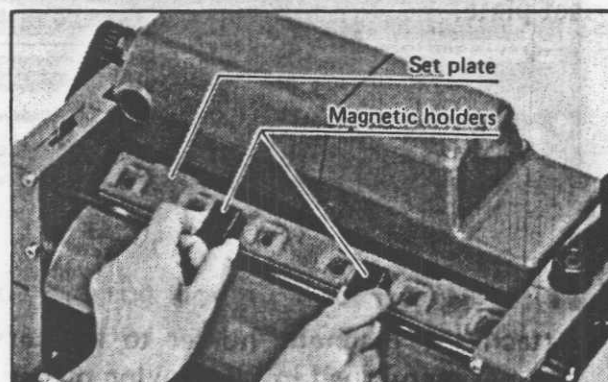
Place the magnetic holder on the set plate. Push the magnetic holder in the direction of the arrow until the claw of the magnetic holder contacts the blade.



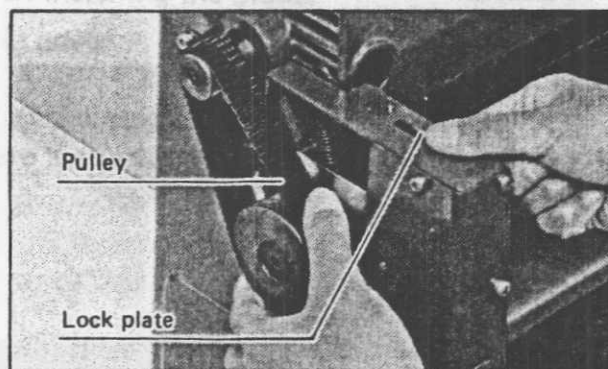
Attach the two magnetic holders to the set plate as shown in the figure. Use the socket wrench to remove the hex. bolts securing the set plate.



Hold the magnetic holder and remove the set plate from the drum. The blade also comes off together with the set plate.



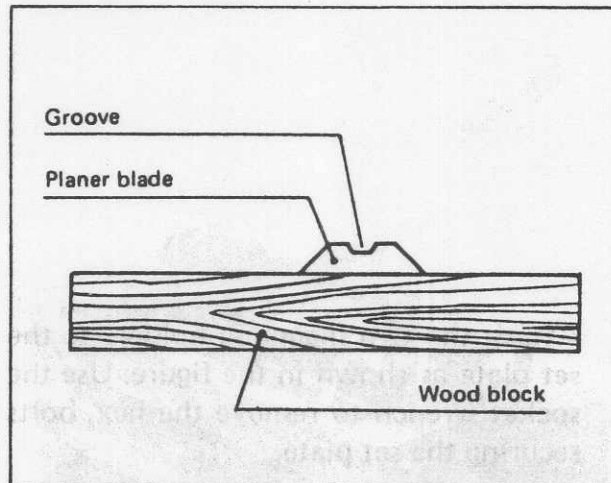
Press the lock plate and turn the pulley 180° to lock the drum. Remove the other blade as mentioned above.



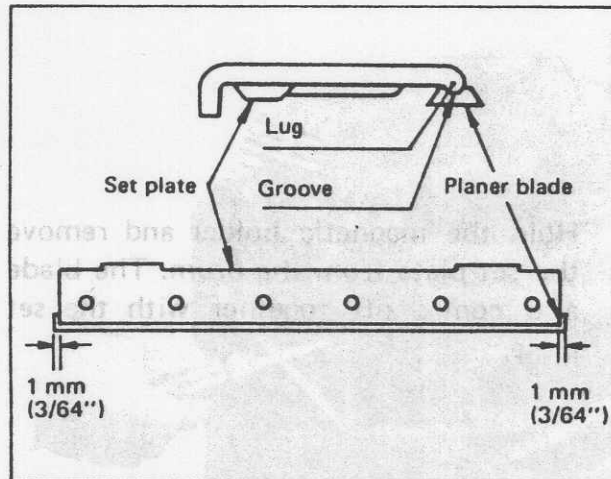
2. Installing planer blades

This blade has a cutting edge on both sides. When one cutting edge becomes dull, you can use the other cutting edge. Always remove resin and dirt sticking to the reverse side of the blade before using the other cutting edge. This blade cannot be re-sharpened. When both cutting edges become dull, the blade should be thrown away.

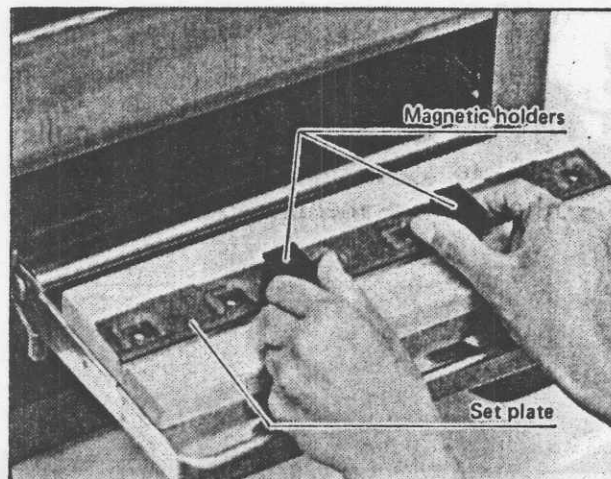
First clean out all chips or foreign matter adhering to the drum. Provide a level wood block 300 mm (11-3/4") long and 100 mm (3-7/8") wide. Clean the top surface of the wood block. Place the blade on the wood block with the groove in the blade facing upward.



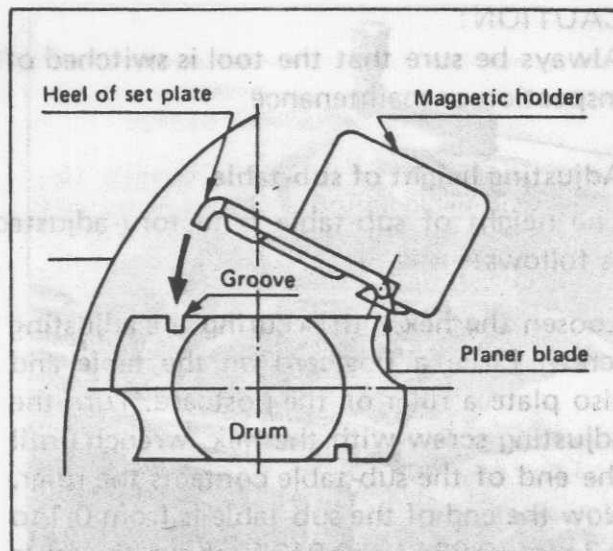
Place the set plate on the wood block so that the blade locating lug on the set plate rests in the groove in the blade. Both ends of the blade should protrude about 1 mm (3/64") from the end of the set plate.



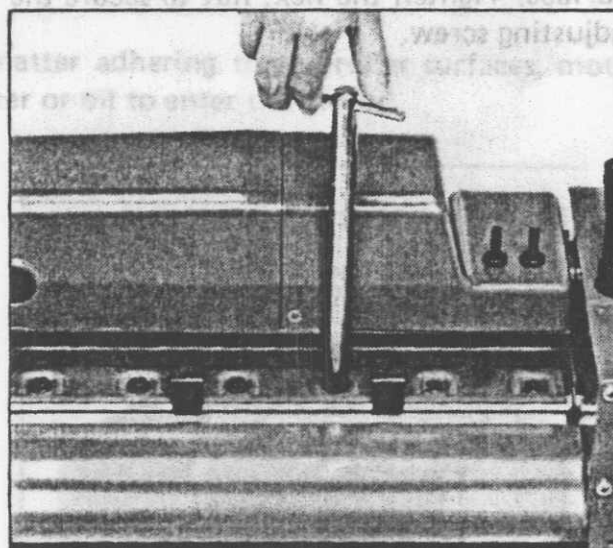
Attach the magnetic holder to the set plate as mentioned in "Removing planer blades".



Hold the magnetic holder and slip the heel of the set plate into the groove of the drum.



Make sure that the blade locating lug on the set plate rests in the groove in the blade. After tightening all the hex. bolts lightly and evenly from the center to the outside, tighten the hex. bolts completely. Remove the magnetic holder from the set plate.



CAUTION:

- Do not tighten the hex. bolts without the blade locating lug on the set plate resting in the groove in the blade. This may cause damage to the blade and eventually injury to the operator.
- Tighten the blade installation bolts securely when installing the blade.
- Do not turn the tool on before installing the chip cover.

Install the other blade as mentioned above. Install the chip cover while pressing the lock plate. Turn the drum slowly to make sure if there is anything abnormal. Then install the belt cover.

MAINTENANCE

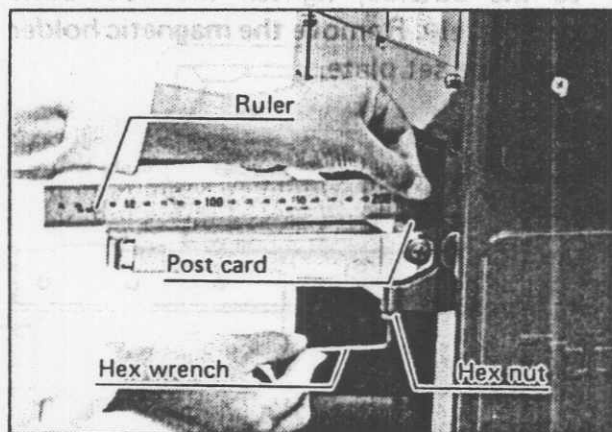
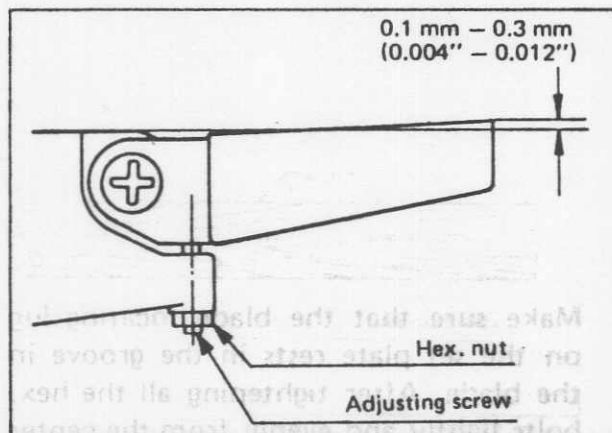
CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Adjusting height of sub-table

The height of sub-table is factory-adjusted. If further adjustment is necessary, proceed as follows:

Loosen the hex. nut securing the adjusting screw. Place a postcard on the table and also place a ruler on the postcard. Turn the adjusting screw with the hex. wrench until the end of the sub-table contacts the ruler. Now the end of the sub-table is from 0.1 to 0.3 mm (0.004" – 0.012") above the table surface. Tighten the hex. nut to secure the adjusting screw.

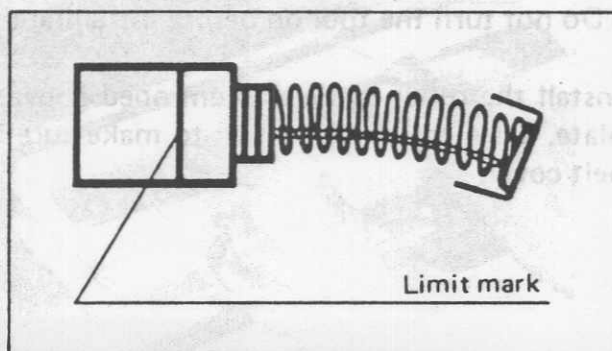


Keeping planer blades sharp

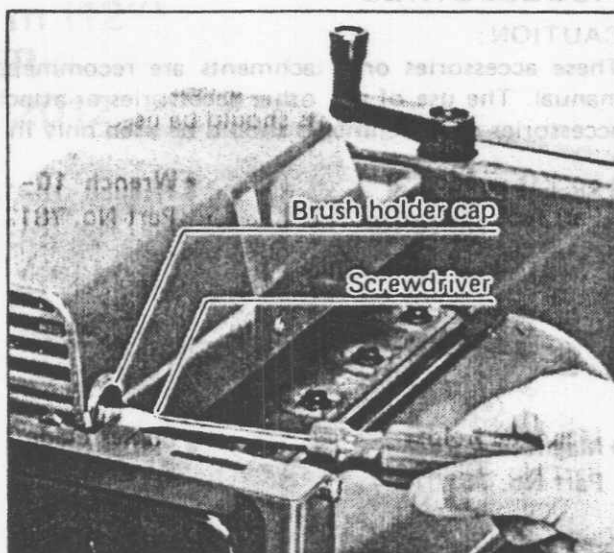
Dull blades can cause rough finish, an overload of the motor and dangerous kickback of the workpiece. Replace dull blades immediately.

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only Makita carbon brushes.



Use a socket wrench to remove the chip cover. Use a screwdriver to remove the brush holder cap. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

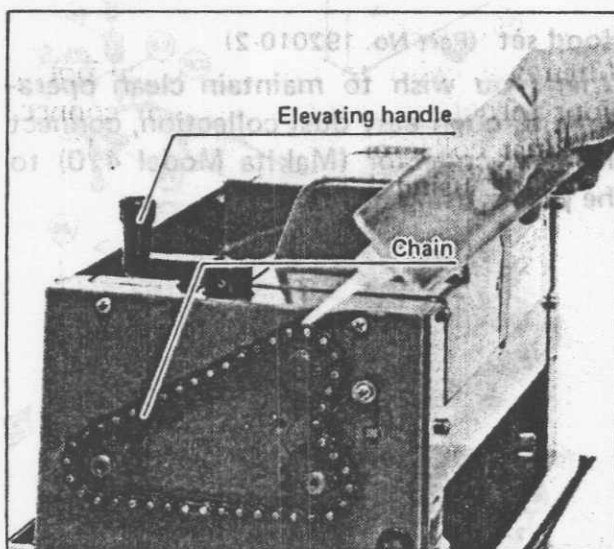


Cleaning

Always brush off dirt, chips and foreign matter adhering to the roller surfaces, motor vents and drums. Be careful not to allow water or oil to enter the motor.

Lubrication (periodic)

Oil the chain (after removing the chain cover) and the elevating handle screws. This periodic lubrication should be performed with machine oil. (Oiling should be done with tool turned off and unplugged.)



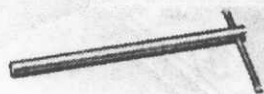
To maintain product SAFETY and RELIABILITY, repairs, any other maintenance and adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

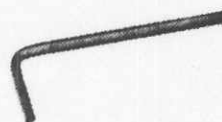
- **Socket wrench 9**
Part No. 782203-5



- **Wrench 10-13**
Part No. 781202-4



- **Hex. Wrench 3**
Part No. 783201-2



- **Magnetic holder**
Part No. 762014-4



- **Planer blade 306**
Part No. 731039-9

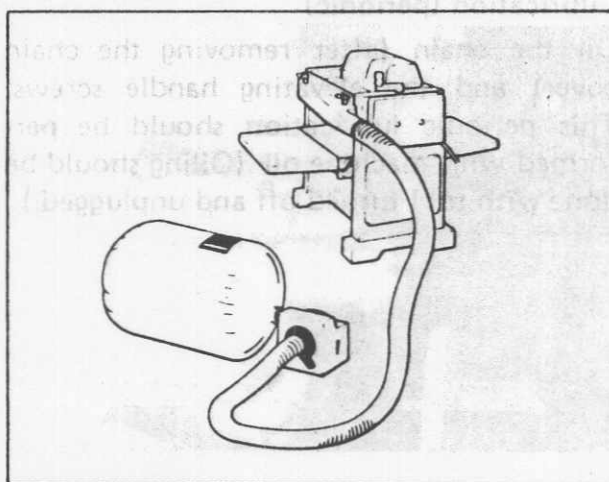


- **Planer stand**
Part No. 122383-9



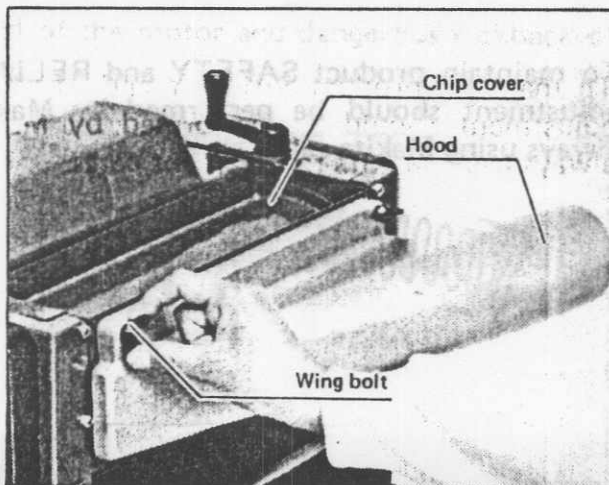
Hood set (Part No. 192010-2)

When you wish to maintain clean operations through easy dust collection, connect the dust collector (Makita Model 410) to the planer using this hood.



Hood

Attach the hood to the chip cover using the wing bolts.





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Anjo, Aichi, Japan

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