

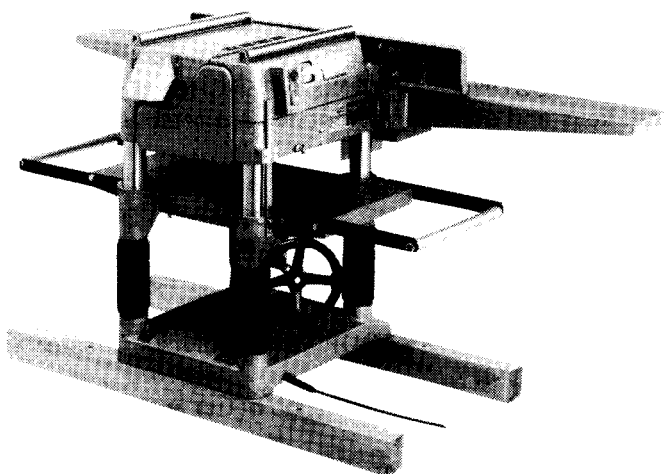
Makita

アメリカ

Planer-Jointer

320 mm (12-1/2") MODEL 2030N
With Electric Brake

INSTRUCTION MANUAL



SPECIFICATIONS

	Cutting width	Max. cutting depth				Feed rate /min.	
Auto feed	320 mm (12-1/2")	Width Feed speed	0 mm – 150 mm (0" – 5-7/8")	150 mm – 240 mm (5-7/8" – 9-1/2")	240 mm – 320 mm (9-1/2" – 12-1/2")	High speed	Low speed
		High speed	2 mm (5/64")	1.5 mm (1/16")	1 mm (5/128")	8 m (26 ft.)	5 m (17 ft.)
		Low speed	3 mm (1/8")	2 mm (5/64")	1.5 mm (1/16")		
Manual feed	155 mm (6-1/8")	3 mm (1/8")				_____	
	Table size		Fence size		Stock height		
Auto feed	320 mm x 600 mm (12-1/2" x 23-5/8")		_____		12.7 mm – 185 mm (1/2" – 7-1/4")		
Manual feed	155 mm x 1,500 mm (6-1/8" x 59")		730 mm x 105 mm (28-3/4" x 4-1/8")		_____		
No. of knives	No load speed		Overall length (W x L x H)			Net weight	
2	7,000 R/min.		780 mm x 1,500 mm x 775 mm (30-3/4" x 59" x 30-1/2")			150 kg (330 lbs)	

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may vary 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 (For All Tools)

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.

GROUNDING INSTRUCTIONS

ALL GROUNDED, CORD-CONNECTED TOOLS: In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

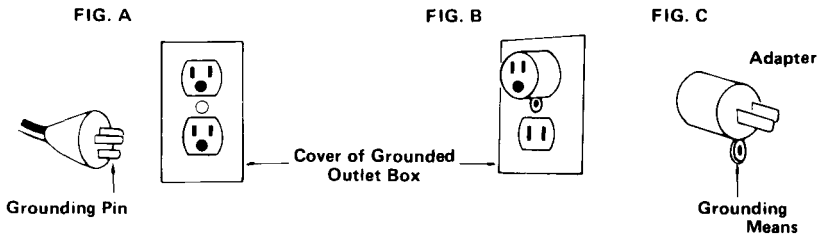
Do not modify the plug provided — if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Figure A. The tool has a grounding plug that looks like the plug illustrated in Figure A. A temporary adapter, which looks like the adapter illustrated in Figure B and C, may be used to connect this plug to a 2-pole receptacle as shown in Figure B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, etc. extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

GROUNDING METHODS



ADDITIONAL SAFETY RULES

- 1. Don't use the tool in presence of flammable liquids or gases.**
- 2. Handle the blades very carefully.**
- 3. Check the blades carefully for cracks or damage before operation. Replace cracked or damaged blades immediately.**
- 4. Be sure the planer blade installation bolts are securely tightened before operating.**
- 5. Sharpen both blades evenly, or replace both blades or both cutterhead covers at the same time.**
- 6. Never make jointing or planing cut deeper than 3.2 mm (1/8 inch).**
- 7. Remove nails and clean the workpiece before cutting. Nail, sand or other matter can cause blade damage.**
- 8. Make sure the blade is not contacting workpiece before the switch is turned on.**
- 9. Wait until the blades attain full speed before cutting.**
- 10. Keep hands away from rotating parts.**
- 11. Stop operation immediately if you notice anything abnormal.**
- 12. Always switch off and wait for blades to come to a complete stop before adjusting any parts, cleaning out chips or approaching the blade.**
- 13. Never stick your finger into the chip chute. Chute may jam when cutting damp wood. Turn off the planer-jointer and then clean out chips with a stick.**
- 14. Do not touch blades right after operation, they may be extremely hot and could burn your skin.**
- 15. Don't abuse cord. Never yank cord to disconnect from receptacle. Keep cord from heat, oil and sharp edges.**
- 16. Do not use auto-planer and jointer at the same time. Overloading of the motor can occur.**

ADDITIONAL SAFETY RULES FOR JOINTER

1. Maintain the proper relationships of infeed and outfeed table surfaces and cutterhead blade path.
2. Do not perform jointing operations on material shorter than 140 mm (5-1/2 inches), narrower than 19 mm (3/4 inch), or less than 12.7 mm (1/2 inch) thick.
3. Do not perform planing operations on material shorter than 140 mm (5-1/2 inches), narrower than 19 mm (3/4 inch), wider than 155 mm (6-1/8 inches) or thinner than 12.7 mm (1/2 inch).
4. Support the workpiece adequately at all times during operation.
5. Do not back the work toward the infeed table.
6. Always use hold-down/push blocks for jointing material narrower than 76.2 mm (3 inches), or planing material thinner than 76.2 mm (3 inches).

SAVE THESE INSTRUCTIONS.

ADDITIONAL SAFETY RULES FOR AUTO-PLANER

1. Two or more pieces of narrow but similar thickness stock can be passed through the auto-planer side by side.
However, allow some spacing between the stock to permit the feed rollers to grip the thinnest piece.
Otherwise, a slightly thinner piece could be kicked back by the cutterhead.

WARNING

For Your Own Safety, Read Instruction Manual Before Operating Jointer

1. Wear eye protection.
2. Never perform jointing or planing operation with cutter head or drive guard removed.
3. Never make jointing or planing cut deeper than 3.2 mm (1/8 inch).
4. Always use hold-down/push blocks for jointing material narrower than 76.2 mm (3 inches), or planing material thinner than 76.2 mm (3 inches).
5. Do not attempt to perform an abnormal or little-used operation without study and the use of adequate hold-down/push blocks, jigs, fixtures, stops, etc.

SAVE THESE INSTRUCTIONS.

HOW TO USE

AUTO-PLANER

1. Adjusting depth of cut

- The maximum depth of cut changes in terms of the cutting speed and the width of the workpiece to be cut. See Fig. 1.

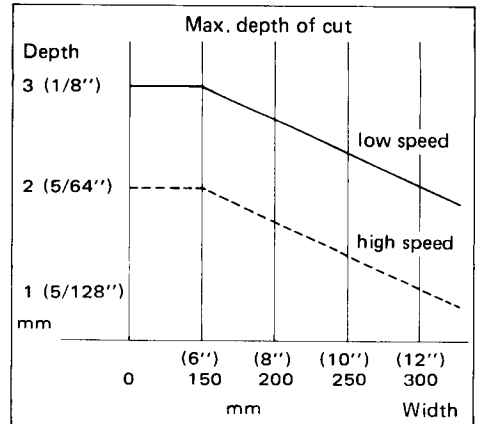


Fig. 1

- Insert the workpiece flush with the in-feed table top so that the front end of the workpiece reaches at least 20 to 30 mm (3/4 to 1-1/8") beyond the depth gauge. Turn the crank handle and align the depth gauge with a graduation on the scale plate. This graduation indicates the depth of cut.

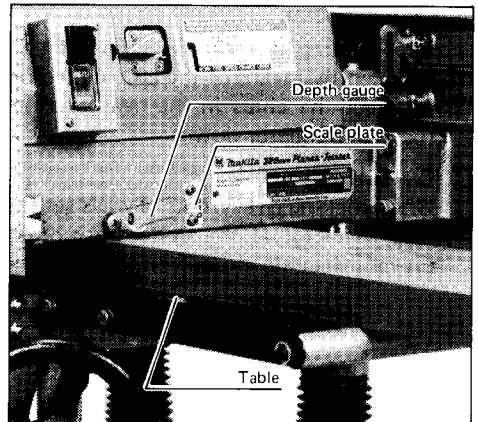


Fig. 2

2. Dimensional adjustment

The graduation on the scale bar aligning with the arrow is the thickness of the workpiece after the cut.

When cutting less than the maximum depth of cut, first align the graduation for the desired finished thickness with the arrow and then cut the workpiece.

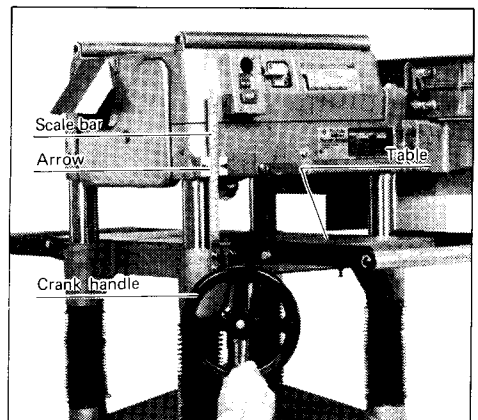


Fig. 3

3. Switchover of cutting speed

Turn the speed change lever to the right for high speed, and to the left for low speed.

CAUTION:

Change speeds while the tool is running, but do not attempt to do so during an actual planing operation.

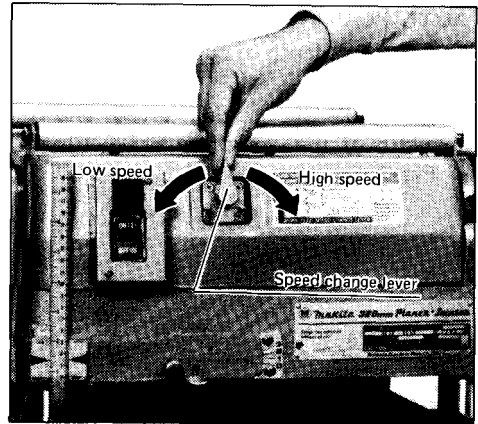


Fig. 4

4. Chip deflector

The ejecting distance of chips can be adjusted by means of the chip deflector. To eject the chips in the near area, set the chip deflector down.

CAUTION:

When making heavy cuts, always set the chip deflector at the upper position to prevent the chip chute from jamming.

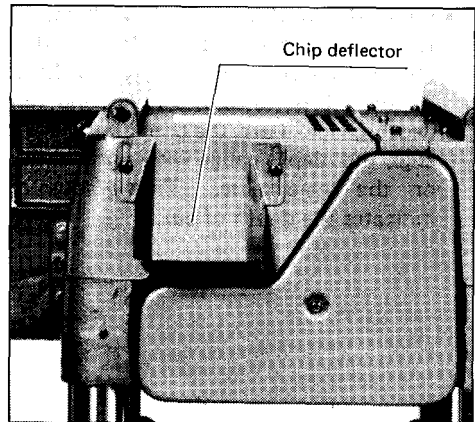


Fig. 5

JOINTER

1. Cutting depth

Set the depth of cut with the depth adjustment knob while watching the graduation on the scale plate.

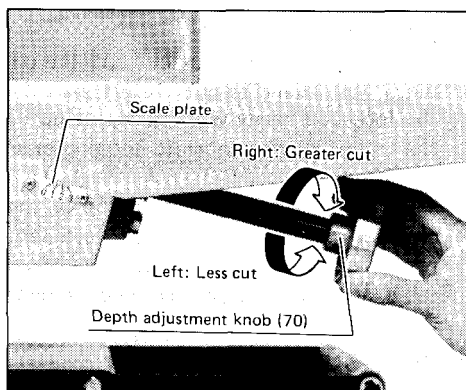


Fig. 6

2. Fence angle (0 – 45°)

Set the depth of cut to "0" graduation. Loosen the thumb screws holding the fence in place. Pull out the fence by at least 25 mm (1") and tighten the thumb screws.

Loosen the hex bolts (A) and (B) and tilt the fence.

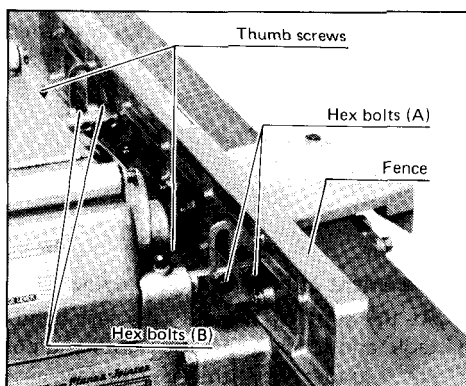


Fig. 7

At the desired angle, tighten the hex bolts, making sure that the bolt (A) is tightened first and the bolt (B) second. (Refer to Fig. 7). About 0.5 mm (1/64") clearance between the lower edge of the fence and the table top is necessary for the correct setting.

3. Switch action

To start the tool, the key and the ON-button must be pressed in.

Press the OFF-button to stop.

The tool is switched off automatically when the electric current is cut off.

CAUTION:

When not using the tool, remove the key. (This prevents unauthorized operation.)

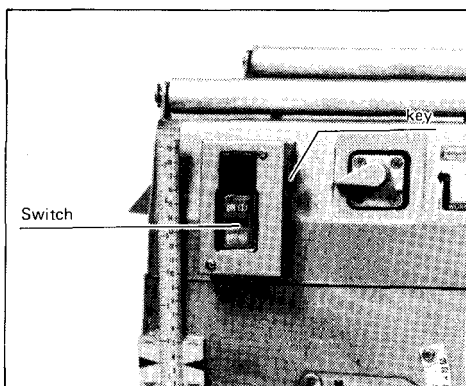


Fig. 8

OPERATION

1. Auto-Planer

Determine the depth of cut and the cutting speed in terms of the width of the workpiece you intend to cut. Insert the workpiece flush with the table top. When cutting the long and heavy workpiece, lift up the end of the workpiece slightly at the start and the end of cutting to avoid gouging or sniping at the extreme ends of the workpiece.

Two rollers are provided on top of the chip cover to enable quick, efficient return of the workpiece to the infeed table side. This is especially convenient with two operators.

CAUTION:

Stop the tool when the workpiece is stalled. Keeping the tool running with a stalled workpiece causes the abnormal wearing of the feed rollers.

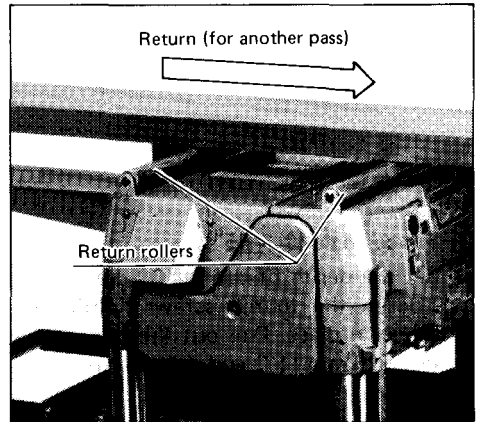


Fig. 9

2. Jointer

Placement of hands during feeding

At the start of the cut, the left hand holds the workpiece firmly against the infeed table and fence, while the right hand pushes the workpiece toward the blade. After the cut is under way, the new surface rests firmly on the outfeed table. The left hand should press down on this part, at the same time maintaining flat contact with the fence. The right hand presses the workpiece forward and before the right hand passes over the cutterhead it should be moved to the workpiece on the outfeed table.

Jointing edge

Set the fence square with the table. Hold the best face of the workpiece firmly against the fence throughout the feed. (Fig. 10)

CAUTION:

Cover the cutterhead with the safety cover when the fence is pulled out. (Fig. 11). However, never touch the safety cover when the jointer is running.

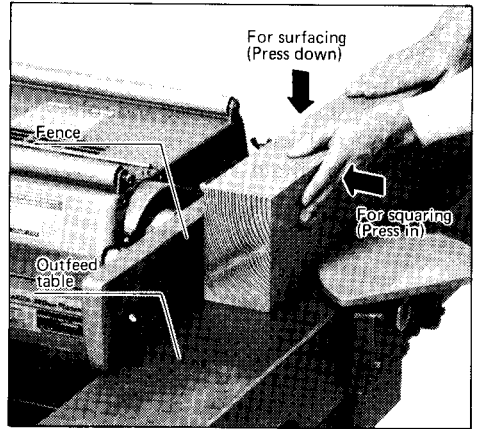


Fig. 10

Jointing warped workpieces

If the workpiece is dished or warped, press down when the workpiece moves over the outfeed table to obtain a smooth surface. (Fig. 10)

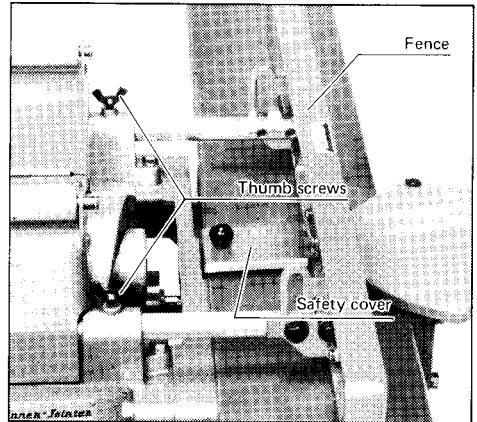


Fig. 11

Using hold-down/push blocks

For safety reasons, use hold-down/push blocks if the workpiece is less than 76.2 mm (3'') wider or thick. (Fig. 12)

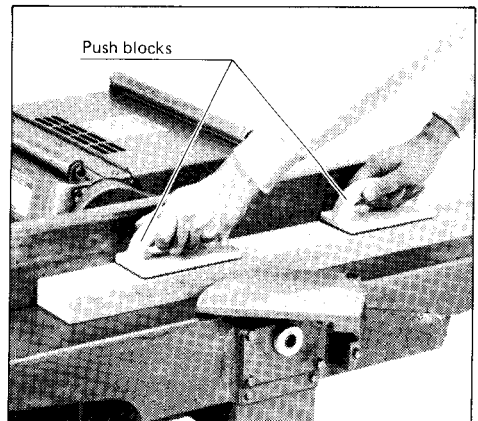


Fig. 12

Direction of grain

Avoid feeding workpiece into the Jointer against the grain as shown in Fig.13. The result will be chipped and splintered edges. Feed with the grain as shown in Fig. 14, to obtain a smooth surface.

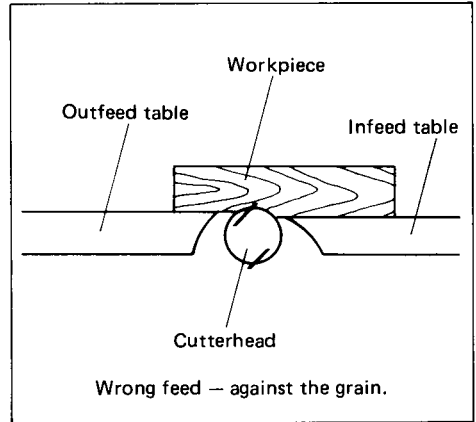


Fig. 13

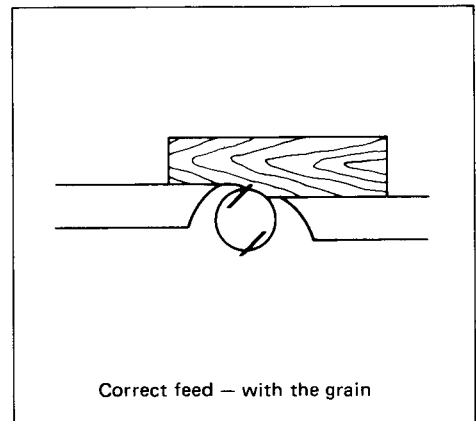


Fig. 14

CHANGING PLANER BLADES

1. Removing blades

- Remove the screw on the outfeed side of the chip cover. Then open the chip cover.

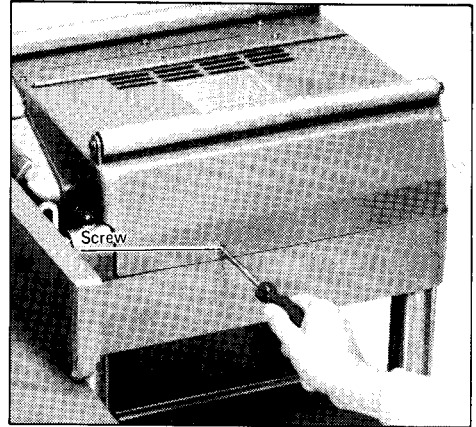


Fig. 15

- Loosen the hex bolt with the wrench and lift off the safety guard assembly.
- Set the depth of cut for Jointer to maximum graduation.
- Push the lock plate in the direction of the arrow and raise it slightly. Turn the knob to lock the drum. (Fig. 16)
- The drum can be locked at the position shown in Fig. 17 or Fig. 18.

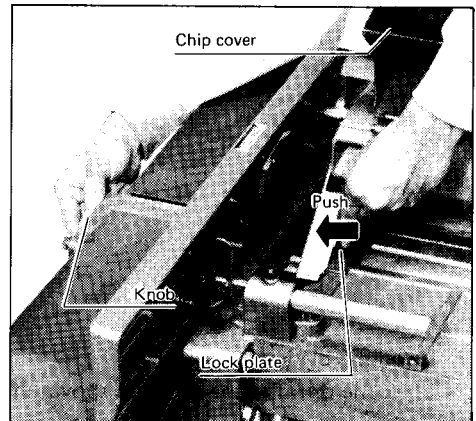


Fig. 16

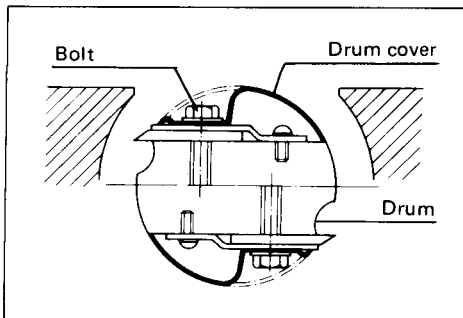


Fig. 17

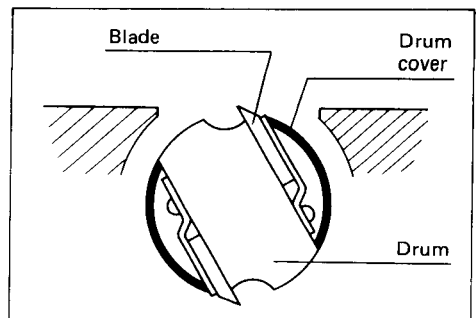


Fig. 18

- Lock the drum at the position shown in Fig. 17 and loosen the hex bolts with the socket wrench. Remove the hex bolts and the drum cover.
- When removing the blade from the Auto-Planer, lock the drum at the position shown in Fig. 18 and push the blade out with the screwdriver.

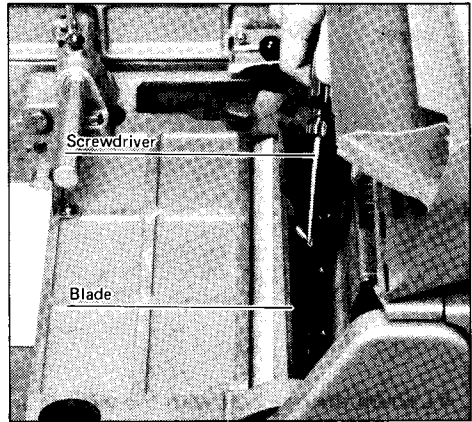


Fig. 19

- When removing the blade from the Jointer, release the drum lock and turn the knob to the position at which the blade can be pushed out with the screwdriver.

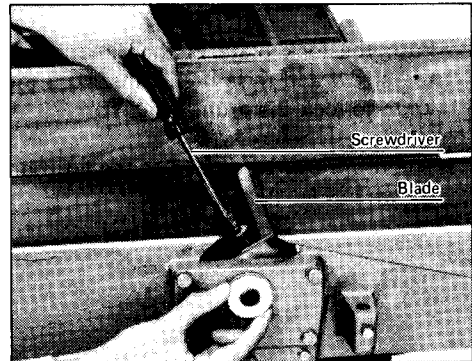


Fig. 20

2. Installing blades

- Lock the drum at the position shown in Fig. 18.
- Insert the blade between the drum and the blade holder. Set the blade so that it will protrude by 2 mm (5/64") to 3 mm (1/8") from the drum. The holes of the blade should be aligned with the holes of the drum.

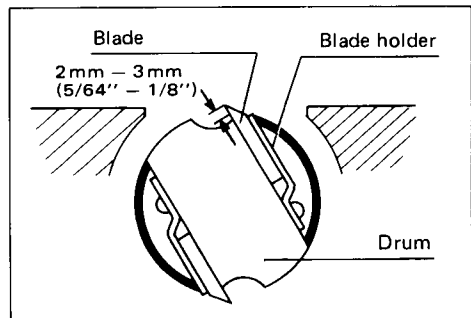


Fig. 21

- On the Auto-Planer, press down on both ends of the blades with wooden levelers.

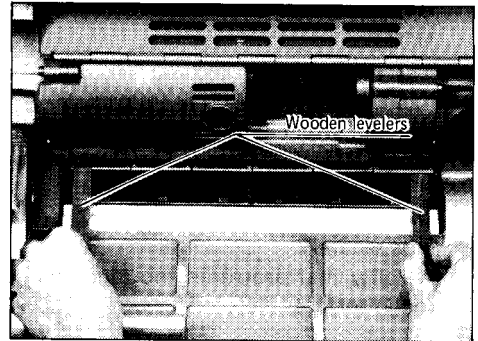


Fig. 22

- On the Jointer, set the leveler on the outfeed table and slide it out over the blade edge. The edge of blade should just contact underside of leveler.

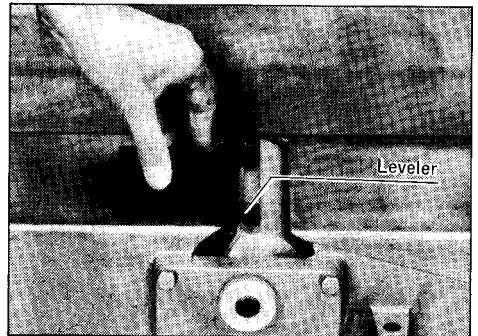


Fig. 23

- Lock the drum at the position shown in Fig. 17.
Mount the drum cover and tighten the hex bolts evenly and alternately.

- After unlocking the drum, press down the wooden leveler on the blades slightly and turn the knob slowly in the direction of the arrow. (See Fig. 24).
The wooden leveler should slide about 3 mm (1/8") to 5 mm (3/16") when the blade setting is perfect.

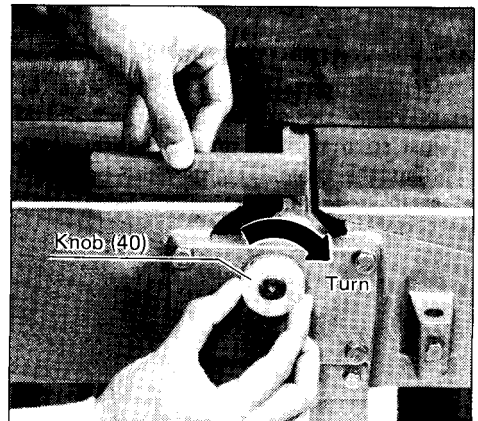


Fig. 24

VARIOUS ADJUSTMENTS

1. Adjusting infeed/outfeed rollers (Auto-planer)

NOTE :

The planer infeed and outfeed rollers are factory adjusted. If you notice the adjustment is off, kindly do as follows.

Use the wrench to loosen the installation nuts slightly. Turn the adjusting screw to obtain a level of from 0.1 to 0.3 mm above the table surface.

It is relatively simple to make the setting so that a postcard can slip in and out between the roller and the leveler. After adjusting rollers, be sure to tighten installation nuts securely.

A roller that protrudes too much will cause gouging or shiping in the workpiece and rough surfaces.

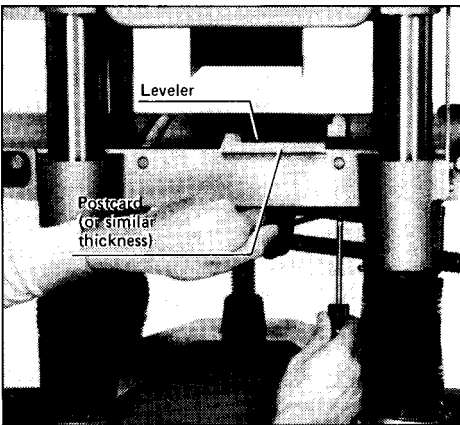


Fig. 25

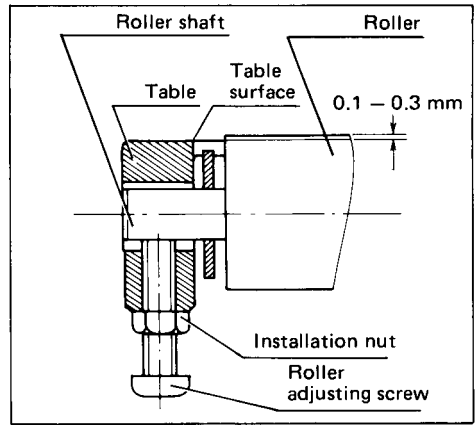


Fig. 26

2. Extension roller adjustment

Gently loosen the hex bolts, set a rule or yardstick on the table surface and adjust so that roller arm is slightly higher than the table. Tighten the hex bolts securely so that the roller arm surface is at 90° to the column.

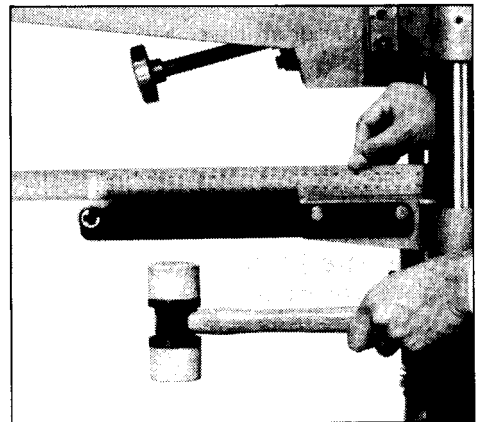


Fig. 27

MAINTENANCE

CAUTION:

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

Replacing carbon brushes

- Remove and check the carbon brushes regularly. Replace when they wear down to about 6 mm (1/4") or less. Keep the brushes clean and free to slip in the holders. Both brushes should be changed at the same time. Use only Makita carbon brushes.

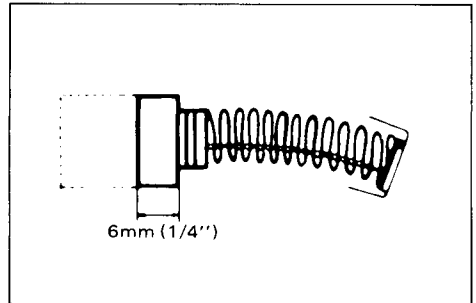


Fig. 28

- Remove the screws that hold the chip cover and the switch cover. Set the speed change lever in the neutral position and remove the switch cover. Open the chip cover.

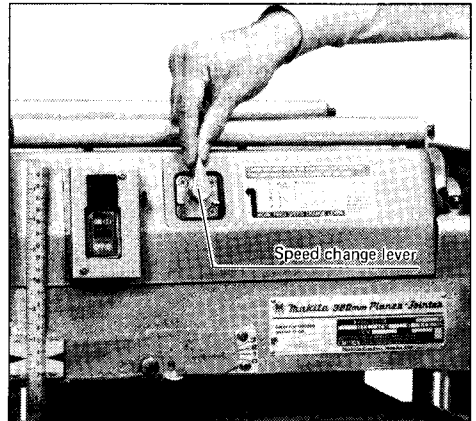


Fig. 29

- Use a screwdriver to remove the brush holder cap as shown on the figure.

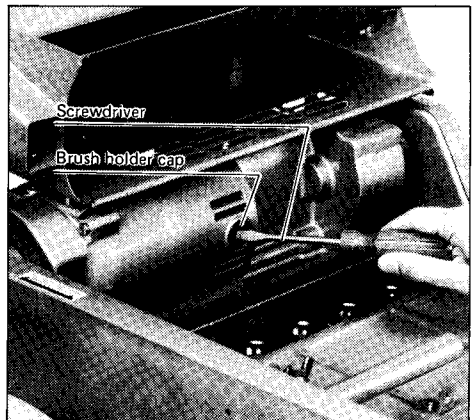


Fig. 30

- Take out the worn brush, insert the new one and secure the brush holder cap.

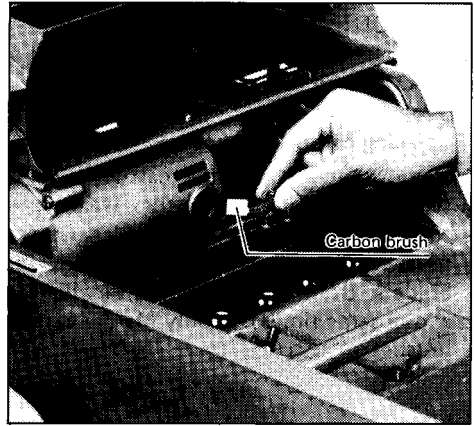


Fig. 31

Cleaning

Always brush off dirt, chips and foreign matter adhering to roller surfaces, motor vents. Make sure that water or oil does not enter the motor.

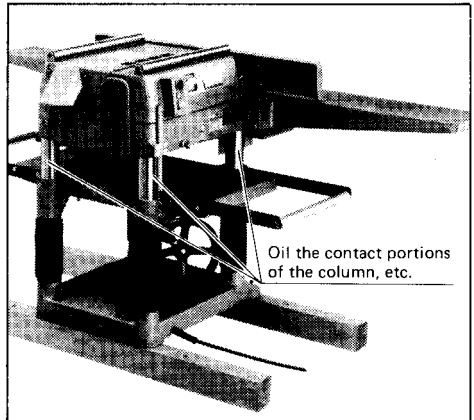


Fig. 32

Lubrication (periodic)

Oil the chain (after removing the chain cover), the column moving parts (contact areas) and the crank handle. This periodic lubrication should be performed with machine oil. (Oiling should be done with tool turned off and unplugged.)

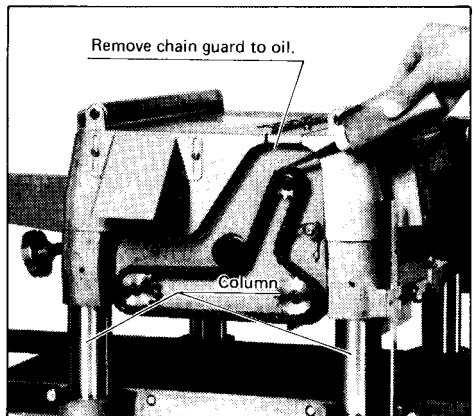


Fig. 33

Sharpening planer blades

(In case of blade width 155 mm (6-1/8"))

1. Remove the two wing nuts on the holder.
2. Set the blade A and blade B on the holder so that the heel of the blade will be flush against C and D surface of the holder respectively.
3. Tighten the wing nuts to hold the blades in the holder.
4. Sharpen with the dressing stone keeping both blades contacting the dressing stone surface at the same time.

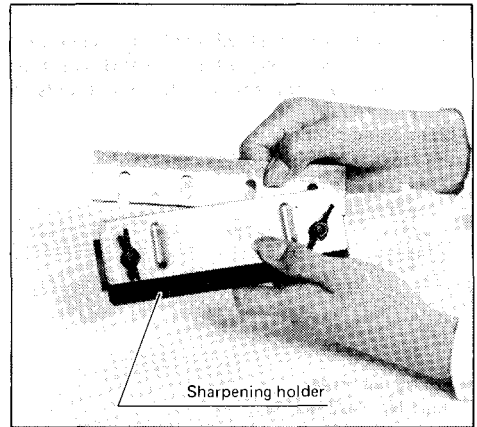


Fig. 34

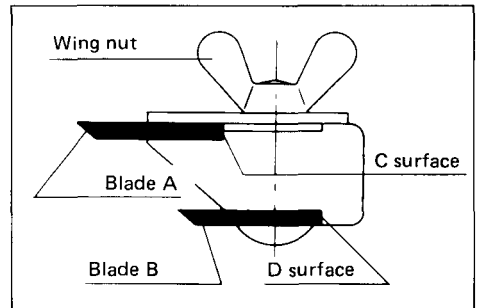


Fig. 35

Immerse dressing stone in water for 2 or 3 minutes before sharpening. Hold the holder so that blades both contact the dressing stone for simultaneous sharpening at the same angle. Stock removal is possible up to 7.5 mm (5/16"). Blades may be used down to 24.5mm (1") width.

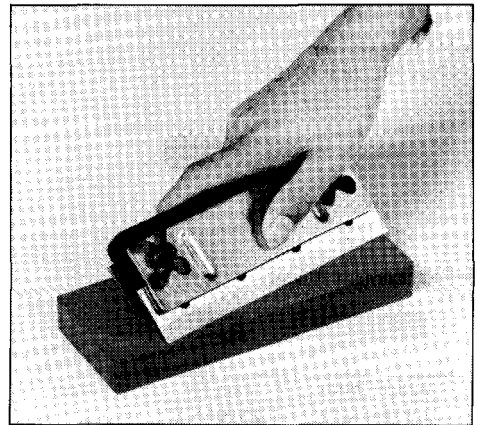


Fig. 36

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

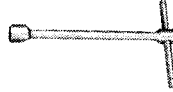
CAUTION:

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.

- **Sharpening Holder**
(Part No. 123006-2)



- **Socket Wrench (13)**
(Part No. 782213-2)



- **Triangular Rule**
(Part No. 762001-3)



- **Wooden Levelers**
(Part No. 441021-7)



- **Push Block**
(Part No. 155508-0)



- **Hex Wrench**
(Part No. 783202-0)



- **(+) Screwdriver**
(Part No. 783002-8)



- **Hex Flange Hd. Bolt M8x 30**
(Part No. 251690-4)



- **Replacement Blades**



- **Sprocket Set**
(Part No. 191605-8)



Width (mm)	Part No.
155 (6-1/8")	731021-8
• 155 (6-1/8")	731206-6
320 (12-1/2")	731035-7
• 320 (12-1/2")	731211-3

- **Material . . . Tungsten-carbide**

- **Dressing Stone 180-1200**
(Part No. 741801-4)



- **Leveler**
(Part No. 411908-7)



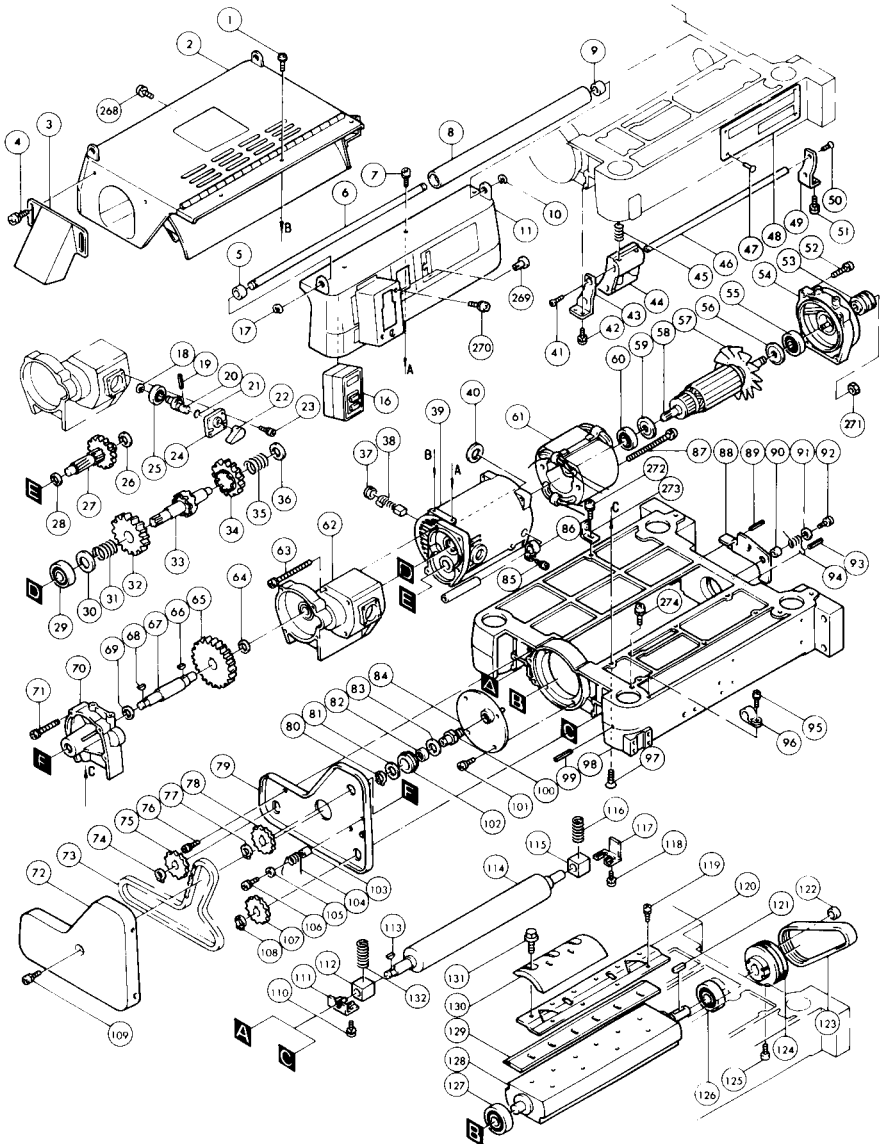
- **Key**
(Part No. 411447-7)

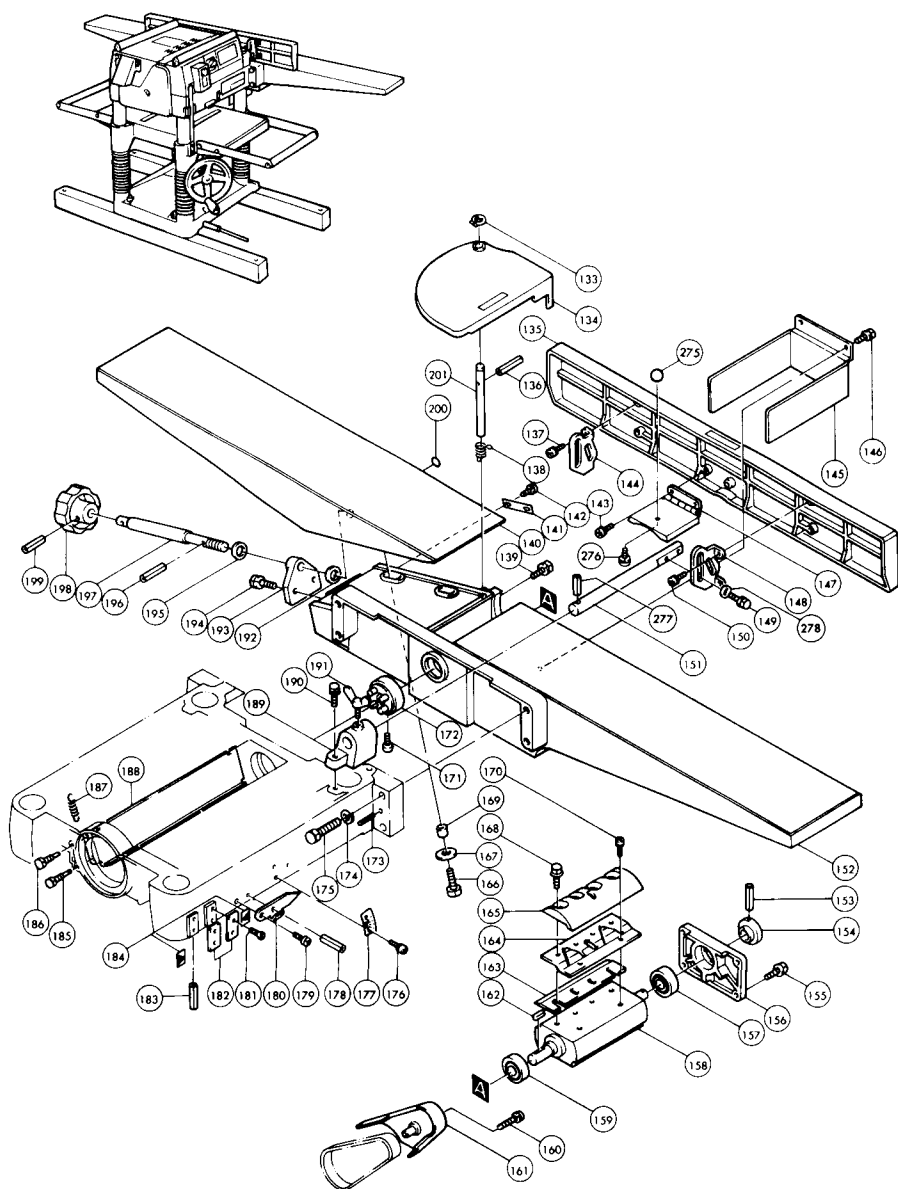


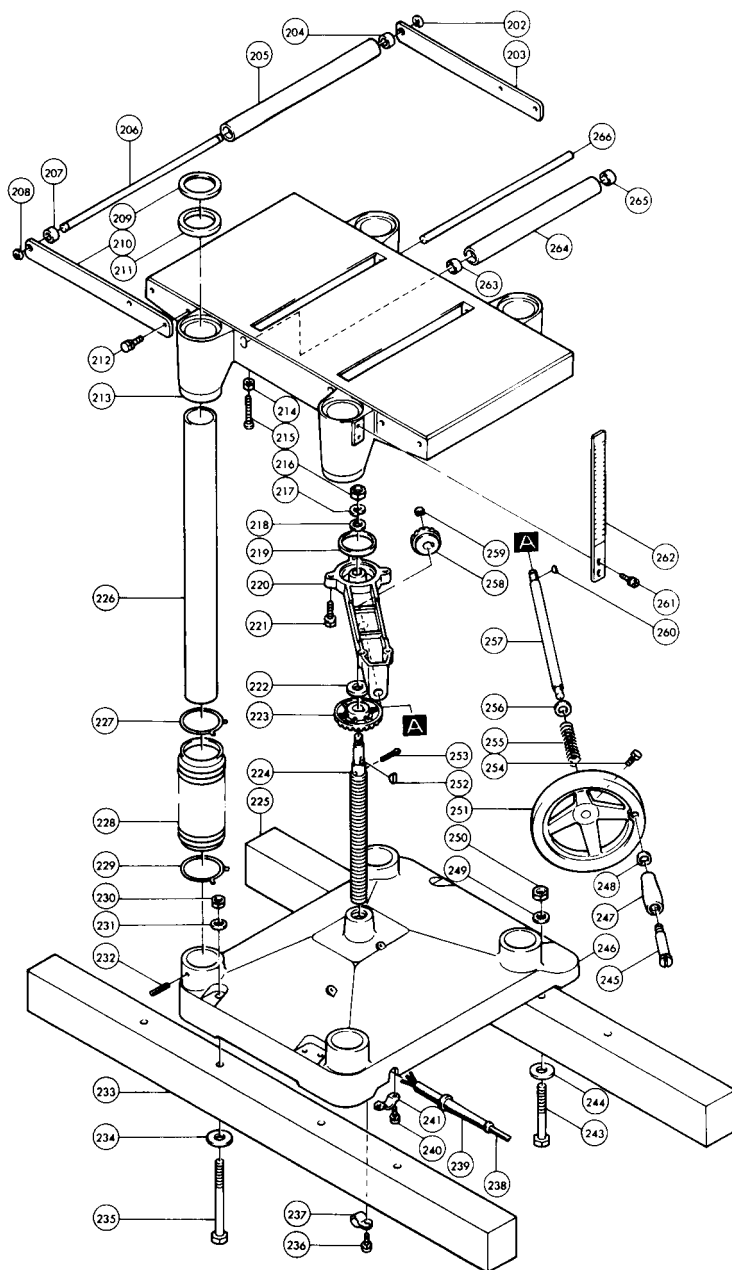
- **Wrench**
(Part No. 781202-4)



320 mm (12-1/2") **PLANER-JOINTER** **Model 2030N**







Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	3	Pan Head Screw M5x12 (With Washer)	76	2	Pan Head Screw M5x12 (With Washer)
2	1	Chip Cover	77	1	Retaining Ring S-12
3	1	Chip Blast	78	1	Sprocket 10
4	2	Pan Head Screw M5x12 (With Washer)	79	1	Chain Cover Stay
5	2	Plane Bearing 10	80	1	Retaining Ring S-12
6	2	Rod 10-400	81	1	Flat Washer 12
7	3	Pan Head Screw M5x12 (With Washer)	82	1	Needle Bearing 1212
8	2	Roller 26-375	83	1	Flat Washer 12
9	2	Plane Bearing 10	84	1	Bearing Box
10	2	Stop Ring E-9	85	1	Pan Head Screw M5x12 (With Washer)
11	1	Switch Cover	86	1	Strain Relief
16	1	Switch	87	2	Pan Head Screw M5x95 (With Washer)
17	2	Stop Ring E-9	88	1	Lock Plate
18	1	Retaining Ring S-9	89	1	Spring Pin 4-18
19	1	Spring Pin 4-18	90	1	Sleeve 5
20	1	Rod	91	1	Flat Washer 6
21	1	O Ring 7	92	1	Pan Head Screw M5x25 (With Washer)
22	1	Lever 40	93	1	Spring Pin 4-24
23	4	Countersunk Head Screw M4x10 (With Washer)	94	1	Torsion Spring 12
24	1	Supporter	95	1	Pan Head Screw M5x12 (With Washer)
25	1	Ball Bearing 609LLB	96	1	Strain Relief
26	1	Flat Washer 10	97	6	Countersunk Head Screw M6x20 (With Washer)
27	1	Gear Complete 11-16-71	98	1	Main Frame
28	1	Flat Washer 10	99	4	Spring Pin 8-70
29	1	Ball Bearing 6203LLB	100	1	Tension Core
30	1	Flat Washer 18	101	4	Pan Head Screw M5x20 (With Washer)
31	1	Compression Spring 21	102	1	Tension Roller
32	1	Helical Gear 68	103	1	Sleeve 5
33	1	Gear Complete 13	104	1	Torsion Spring 13
34	1	Helical Gear 63	105	1	Flat Washer 6
35	1	Compression Spring 21	106	1	Pan Head Screw M5x20 (With Washer)
36	1	Flat Washer 12	107	1	Sprocket 15
37	2	Brush Holder Cap	108	1	Retaining Ring S-12
38	2	Carbon Brush	109	1	Pan Head Screw M5x12 (With Washer)
39	1	Motor Housing	110	4	Pan Head Screw M5x16 (With Washer)
40	2	Insulation Washer	111	2	Metal Cover B
41	2	Countersunk Head Screw M5x14 (With Washer)	112	2	Plane Bearing 14
42	2	Pan Head Screw M5x16 (With Washer)	113	2	Woodruff Key 4
43	1	Retainer L	114	2	Roller 45-310
44	6	Chip Breaker	115	2	Plane Bearing 14
45	12	Compression Spring 4	116	2	Compression Spring 13
46	2	Guide Bar	117	2	Metal Cover A
47	4	Rivet 2-5	118	4	Pan Head Screw M5x16 (With Washer)
48	1	Name Plate	119	8	Pan Head Screw M5x12 (With Washer)
49	1	Retainer R	120	2	Blade Holder 300
50	2	Countersunk Head Screw M5x14 (With Washer)	121	1	Key 5
51	2	Pan Head Screw M5x16 (With Washer)	122	1	Urethane Sleeve 10
52	4	Pan Head Screw M5x30 (With Washer)	123	1	Poly V-Belt 9-453
53	1	V-Pulley 9-30L	124	1	V-Pulley 9-70
54	1	Bracket	125	1	Hex. Socket Head Bolt M5x18
55	1	Ball Bearing 6201LLB	126	1	Ball Bearing 6303LLB
56	1	Dust Seal 12	127	1	Ball Bearing 6303LLB
57	1	Fan 92	128	1	Main Drum
58	1	ARMATURE ASSEMBLY (With Item 55 - 60)	129	1	Planer Blade 320
59	1	Dust Seal 10	130	4	Drum Cover 300
60	1	Ball Bearing 6200LLB	131	12	Hex. Flange Head Bolt M8x30
61	1	FIELD ASSEMBLY	132	2	Compression Spring 13
62	1	Gear Housing	133	1	Retaining Ring S-12
63	4	Pan Head Screw M5x80 (With Washer)	134	1	Drum Cover
64	1	Flat Washer 14	135	1	Ruler
65	1	Helical Gear 79	136	1	Spring Pin 4-24
66	1	Woodruff Key 4	137	2	Pan Head Screw M5x16 (With Washer)
67	1	Driving Shaft	138	1	Torsion Spring 14
68	1	Woodruff Key 4	139	1	Hex. Bolt M6x12
69	1	Flat Washer 14	140	1	Adjust Bed
70	1	Gear Housing Cover	141	1	Scale Plate
71	4	Pan Head Screw M5x45 (With Washer)	142	2	Pan Head Screw M4x10 (With Washer)
72	1	Chain Cover	143	2	Pan Head Screw M5x12 (With Washer)
73	1	Chain 35-74	144	1	Ruler Holder L
74	1	Retaining Ring S-12	145	1	Chip Guide
75	1	Sprocket 15	146	2	Hex. Bolt M6x12 (With Washer)
			147	1	Safety Cover

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<u>MACHINE</u>			<u>MACHINE</u>		
148	1	Ruler Holder R	213	1	Table
149	4	Hex. Flange Head Bolt M8x20	214	4	Hex. Nut M6
150	2	Pan Head Screw M5x16 (With Washer)	215	4	Pan Head Screw M6x50
151	2	Ruler Bar L	216	1	Hex. Nut M12
152	1	Fix Bed	217	1	Spring Washer 12
153	1	Spring Pin 4—32	218	1	Flat Washer 12
154	1	Knob 40	219	1	Ring 53
155	4	Hex. Bolt M8x25 (With Washer)	220	1	Handle Supporter
156	1	Bearing Cover	221	5	Hex. Bolt M6x35 (With Washer)
157	1	Ball Bearing 6203LLB	222	1	Thrust Needle Bearing 1528
158	1	Sub Drum	223	1	Straight Bevel Gear 28
159	1	Ball Bearing 6203LLB	224	1	Screw TM25
160	1	Pan Head Screw M5x35 (With Washer)	225	1	Stable Base
161	1	Belt Cover	226	4	Column
162	1	Key 5	227	4	Snap Ring 55
163	1	Planer Blade 155	228	4	Bellows
164	2	Blade Holder 155	229	4	Snap Ring 55
165	2	Drum Cover 155	230	2	Hex. Nut M10
166	4	Hex. Bolt M10x35	231	2	Flat Washer 10
167	4	Leaf Spring	232	4	Spring Pin 8—70
168	8	Hex. Flange Head Bolt M8x30	233	1	Stable Base
169	4	Sleeve 10	234	2	Flat Washer 11
170	4	Pan Head Screw M5x12 (With Washer)	235	2	Hex. Bolt M10x140
171	1	Hex. Socket Head Bolt M5x18	236	1	Pan Head Screw M5x12 (With Washer)
172	1	Coupling	237	1	Strain Relief
173	2	Spring Pin 10—60	238	1	CORD ASSEMBLY
174	4	Spring Washer 12			(Assembled Cord, Plug & Item 239)
175	4	Hex. Bolt M12x50	239	1	Cord Guard
176	2	Pan Head Screw M5x14 (With Washer)	240	2	Pan Head Screw M5x12
177	1	Scale Plate	241	1	Strain Relief
178	1	Spring Pin 4—12	243	2	Hex. Bolt M10x100
179	1	+ Binding Head Screw M8	244	2	Flat Washer 11
180	1	Depth Gauge	245	1	— Bolt M10
181	4	Countersunk Head Screw M5x12 (With Washer)	246	1	Base
182	2	Point Plate	247	1	Grip 30
183	1	Spring Pin 5—24	248	1	Flat Washer 10
184	2	Indication Label	249	2	Flat Washer 10
185	2	Hex. Bolt M8x38	250	2	Hex. Nut M10
186	2	Hex. Bolt M8x30	251	1	Handle 175
187	2	Tension Spring 6	252	1	Woodruff Key 4
188	1	Pressure Plate	253	1	Split Pin 3.0—25
189	1	Ruler Supporter	254	1	Hex. Bolt M8x20
190	4	Hex. Bolt M8x30 (With Washer)	255	1	Compression Spring 16
191	2	Wing Bolt M6x15	256	1	Flat Washer 16
192	1	Flat Washer 14	257	1	Handle Shaft
193	1	Bar Holder	258	1	Straight Bevel Gear 14
194	2	Hex. Bolt M8x30 (With Washer)	259	1	Retaining Ring S—12
195	1	Flat Washer 14	260	1	Woodruff Key 4
196	1	Spring Pin 6—24	261	2	Pan Head Screw M5x14 (With Washer)
197	1	Adjust Pole	262	1	Scale Bar
198	1	Knob 70	263	2	Plane Bearing 10
199	1	Spring Pin 5—28	264	2	Roller 26—265
200	1	Indication Label	265	2	Plane Bearing 10
201	1	Rod 12—125	266	2	Rod 10—315
202	2	Stop Ring E—9	268	1	Pan Head Screw M5x12 (With Washer)
203	2	Roller Arm	269	1	Key
204	2	Plane Bearing 10	270	2	Pan Head Screw M4x10 (With Washer)
205	2	Roller 26—315	271	1	Hex. Nut M10—17
206	2	Rod 10—340	272	1	Pan Head Screw M5x12 (With Washer)
207	2	Plane Bearing 10	273	1	Set Plate
208	2	Stop Ring E—9	274	1	Pan Head Screw M5x10 (With Washer)
209	4	Cap 60	275	1	Knob 20
210	2	Roller Arm	276	1	Pan Head Screw M5x12 (With Washer)
211	4	Felt Ring 60	277	1	Spring Pin 4—18
212	8	Hex. Bolt M8x20 (With Washer)	278	4	Flat Washer 8

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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PRINTED IN JAPAN
1991 — 8 — N