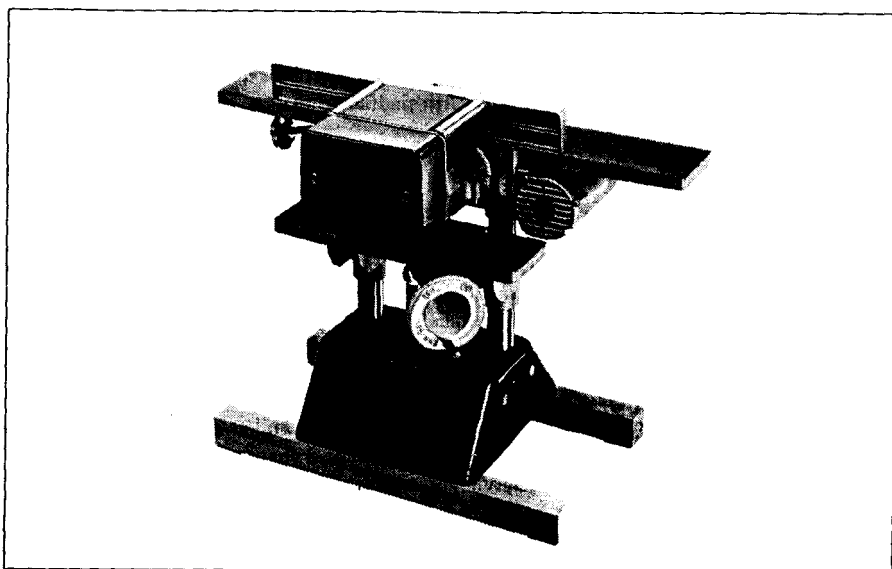




Makita Planer Jointer

132 mm (5 1/4") MODEL 2004

INSTRUCTION MANUAL



SPECIFICATIONS

MODEL NO.		Cutting width	Max. cutting depth	Feed rate/min.	Table size (W x L)	Fence size
2004	Auto feed	132 mm (5-1/4")	3 mm (1/8")	9.7 m (31.8 ft.)	120 mm x 410 mm (4-3/4" x 15-3/4")	—
	Manual infeed			Rabbit depth 6 mm (1/4")	120 mm x 800 mm (4-3/4" x 31-1/2")	500 mm x 70 mm (19-5/8" x 2-3/4")
No. of knives	Continuous rating		No load speed	Overall dimensions (W x L x H)	Net weight	Power supply cord
	Input	Output				
Two on each feed	1,100 W	697 W	8,500 R/min.	800 mm x 423 mm x 592 mm (31-1/2" x 16-5/8" x 23-5/16")	42 kg (92.6 lbs)	2.5 m (8.2 ft.)

* Manufacturer reserves the right to change specifications of parts and accessories without notice.

* Note: Specifications of parts and accessories 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

- 1. KEEP GUARDS IN PLACE** and in working order.
- 2. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 3. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 4. AVOID DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit.
- 5. KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
- 6. MAKE WORKSHOP KID PROOF –** With padlocks, master switches, or by removing starter keys.
- 7. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 8. USE RIGHT TOOL.** Don't force tool or attachment to do a job it was not designed for.
- 9. WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber-soled footwear is recommended for best footing.
- 10. USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- 11. 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.
- 12. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 13. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 14. DISCONNECT TOOLS** before servicing; when changing accessories such as cutter blades.
- 15. AVOID ACCIDENTAL STARTING.** Make sure switch is in off position before plugging in.
- 16. USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
- 17. NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
- 18. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure 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.
- 19. PROPER GROUNDING.** These tools should be grounded while in use to protect the operator from electric shock.

PRELIMINARY INSTRUCTIONS

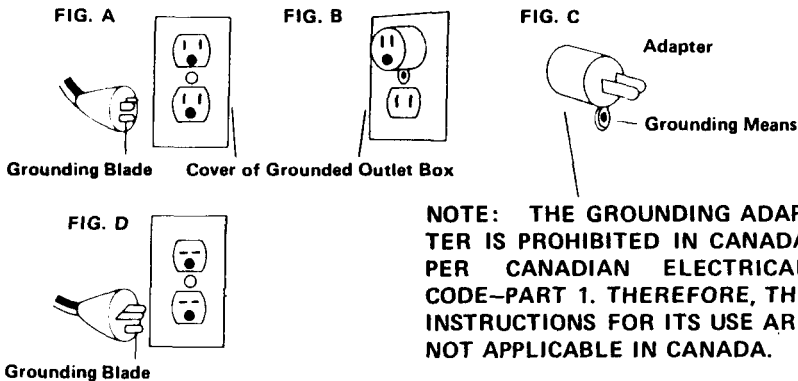
Your electric tool is precision built and manufactured to satisfy the highest standards. For maximum performance, long tool life, and your safety, follow these instructions carefully.

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.

For all grounded tools with American type plug.

GROUNDING INSTRUCTIONS: This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 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 Fig. "A". If it is for use on 150-250 volts, it has a plug that looks like Fig. "D".

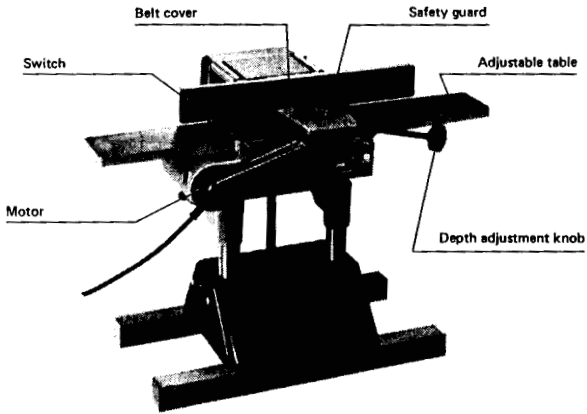
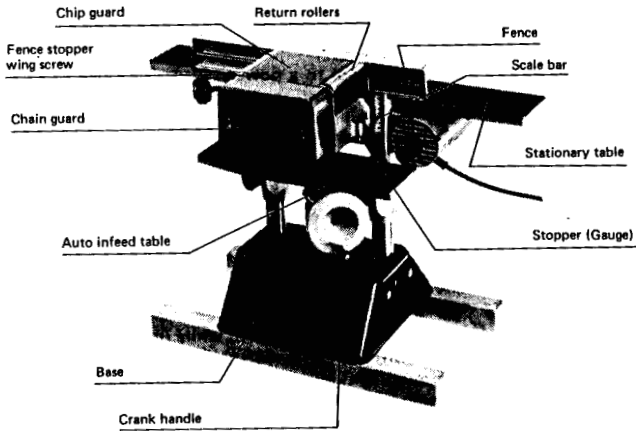
An adapter, Fig. "B" and "C" is available for connecting Fig. "A" plugs to two-prong receptacles, (see Note). The green-colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as to properly grounded outlet box. No adapter is available for Fig. "D" plugs.



NOTE: THE GROUNDING ADAPTER IS PROHIBITED IN CANADA PER CANADIAN ELECTRICAL CODE—PART 1. THEREFORE, THE INSTRUCTIONS FOR ITS USE ARE NOT APPLICABLE IN CANADA.

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.

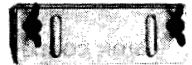
Planer-Jointer & Standard Equipment



①



②



- ① Socket wrench
- ② Sharpening holder
- ③ Leveller

③



Special Precautions with Planer-Jointer

a. Jointing Operations

Do not perform jointing operations on material shorter than 4-3/8 inches (110 mm), narrower than 3/4 inch (19 mm), or less than 1/4 inch (6.4 mm) thick.

b. Planing Operations

Do not perform planing operations on material shorter than 4-3/8 inches (110 mm), narrower than 3/4 inch (19 mm), wider than 5-1/4 inches (132 mm) in auto feed and 5-1/4 inches (132 mm) in manual infeed or thinner than 1/2 inch (12.7 mm).

c. Maintain the proper relationships of infeed and outfeed table surfaces and cutter head knife path.

d. Support the workpiece adequately at all times during operation; maintain control of the work at all times.

e. Do not back the work toward the infeed table.

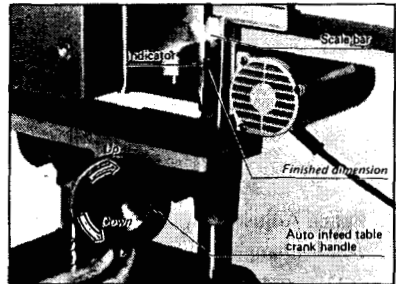
f. Do not attempt to perform an abnormal or little-used operation without study and the use of adequate hold-down/push blocks, jigs, fixtures, stops, etc.

HOW TO USE

For the Planer

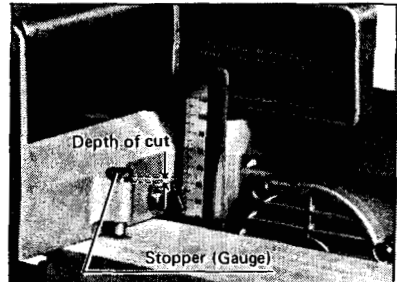
1. Dimensional Adjustment

- The finished dimension is indicated by the arrow on the scale bar. Use the crank handle to raise or lower the table, aligning the arrow with the desired dimension on the scale.



2. Depth of Cut

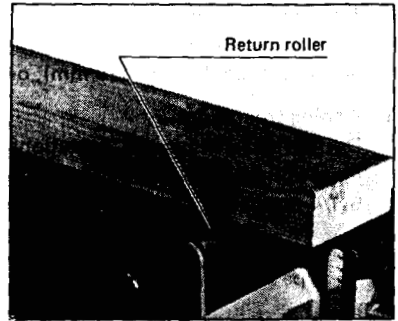
- The height of the stopper (gauge) tells you the depth of cut. The maximum cutting depth is 3 mm (1/8"). Greater cuts than this may cause roller wear and even machine breakdown.



3. Return

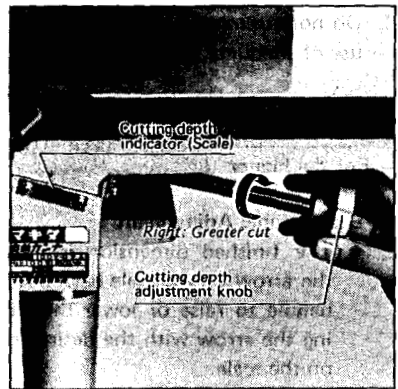
- Cut stock can be easily returned by means of the rollers on top.

4. Support long stock at the beginning and end of a cut to prevent gouging or rough end surfaces.



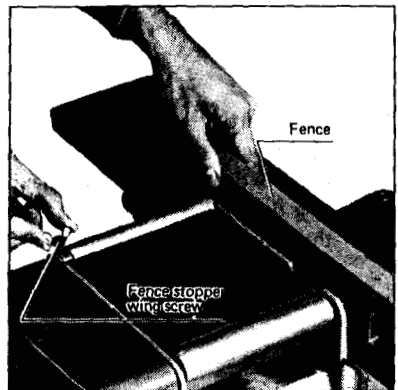
For the Jointer

1. The depth of cut is indicated in mm on the scale. Turn the knob to the right to increase cutting depth and to the left to decrease it. Maximum cutting depth: 3 mm (1/8").



2. Fence Adjustment

When changing the fence setting for rabbet cuts and the like, loosen the fence stopper wing screw and move the fence to the desired position; then secure the wing screw.

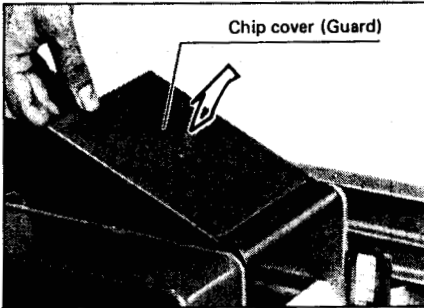


Cutter Replacement

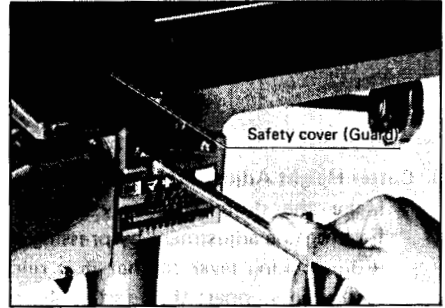
- First, unplug the planer-jointer from the power source.

1. Removal

- Auto infeed table (Planer): First, lift off the chip cover (guard).
- Manual feed table (Jointer): Remove cover (guard) after taking off safety cover (guard) bolt.

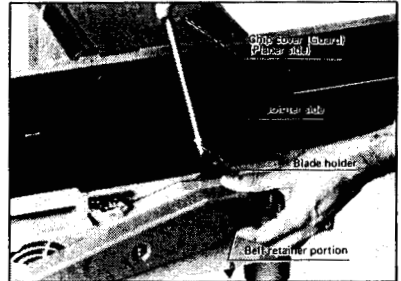


Planer

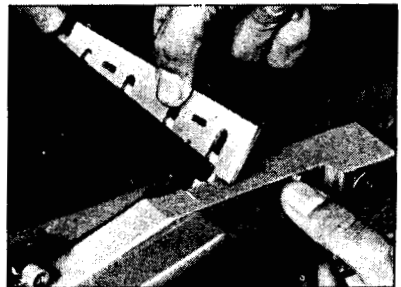


Jointer

- Press on the belt at the belt retainer portion to hold the drum; remove the 4 bolts on the planer and jointer sides, then take off the blade holder. Turn the drum by means of the belt. Do the same for the other blade holder.



- Push out the cutter from beneath the leaf spring.



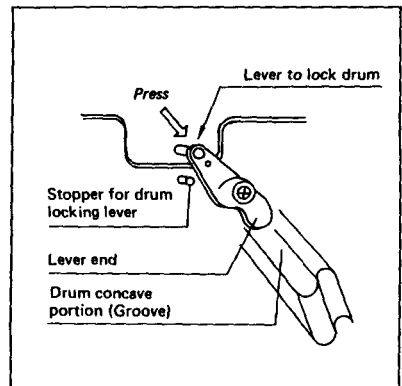
2. Installation

- Hold the belt steady by hand and insert the cutter between the leaf spring and the drum so that the blade protrudes slightly above the table surface.

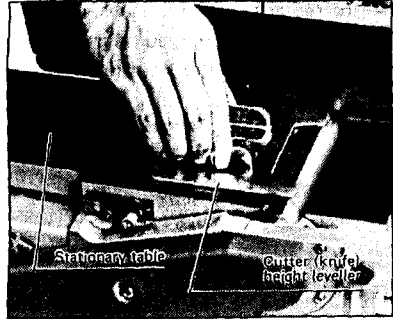


3. Cutter Height Adjustment

- Make the drum stationary before performing the adjustment by pressing in the drum locking lever so that it is released from the stopper; then fasten the drum in place by inserting the end of the lever into the drum concave (grooved) portion.



- Using the leveller equipped, press down on the cutter so that the edge of the knife is flush with the table. (With the jointer, the edge should be flush with the stationary table surface.)



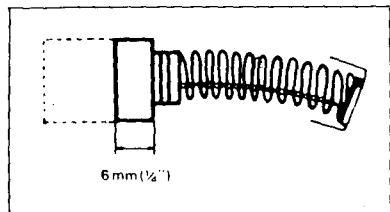
- After hooking the lever for drum locking onto the stopper, secure the hex bolts holding down the blade holder: a total of 8 on the planer and jointer sides, respectively.
- After all bolts have been secured, check your cutter height again.

MAINTENANCE

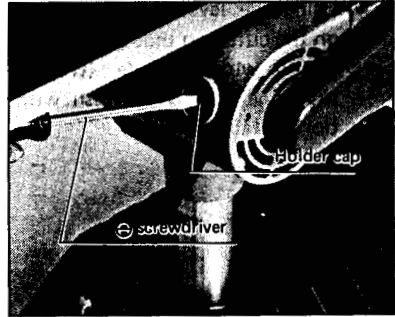
- Remove the chain guard and lubricate the chain with machine oil.
- Oil the sliding support parts, moving parts and feed screw portions whenever you think it necessary.

CARBON BRUSH REPLACEMENT

- Replace carbon brushes when they wear down to about 6 mm (1/4") or sparking will occur. Both brushes should be changed at the same time.

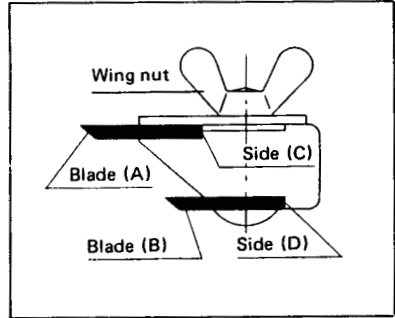


- To replace carbon brushes, use the (–) minus screwdriver equipped to remove the holder cap on the motor housing. Then replace the brush.

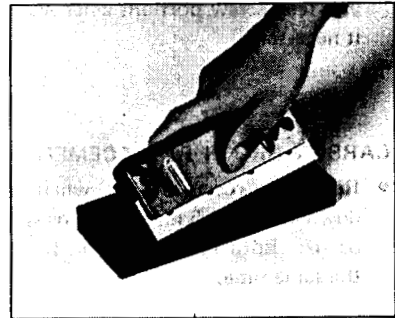


HOW TO USE THE SHARPENING HOLDER

- First, loosen the 2 wing nuts on the holder and insert blades A and B as in figure at right, so that they contact side C and D. Then tighten wing nuts.



- 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.



- **ACCESSORIES**

CAUTION: The used of any other accessories not specified in this manual might be hazardous.

- **Replacement blades**

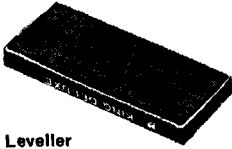


Width (mm)	Part No.
136 (5-3/8")	731013-7
★ 136 (5-3/8")	731203-2

★ Material . . . Tungsten - Carbide

- **Dressing stone**

Part No. 741801-4



- **Leveller**

Part No. 155334-7



- **Sharpening holder**

Part No. 123006-2



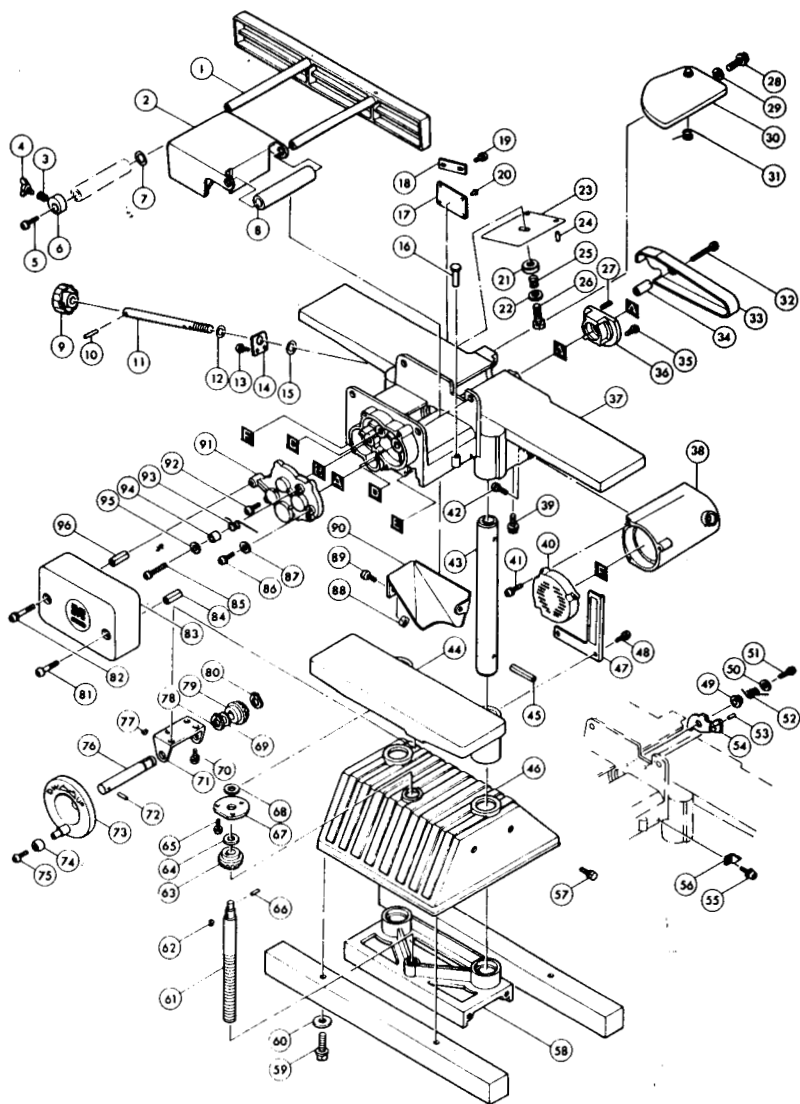
- **Socket wrench**

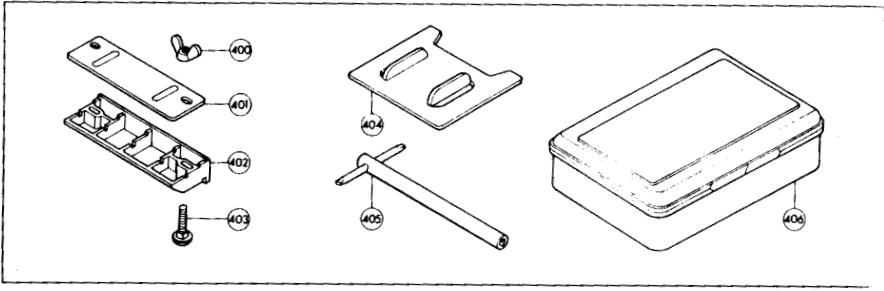
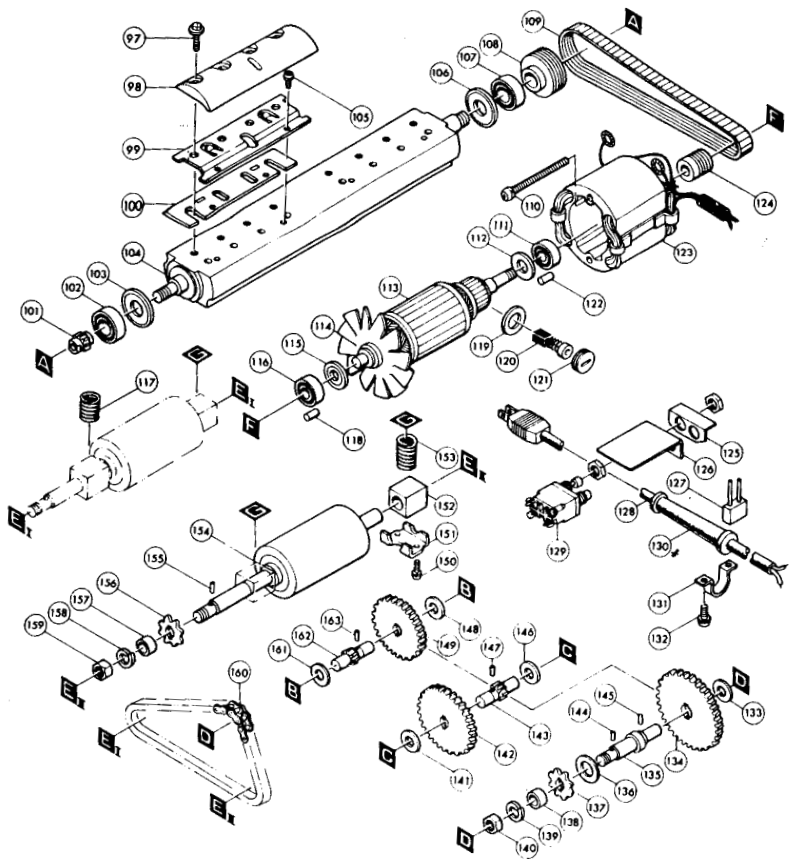
Part No. 782203-5





132 mm (5 1/4") PLANER JOINTER Model 2004





ITEM NO.	PART NO.	NO. USED	DESCRIPTION	ITEM NO.	PART NO.	NO. USED	DESCRIPTION
MACHINE				MACHINE			
1	154260-7	1	Roller	58	311448-4	1	Column Supporter
2	164510-2	1	Chip Cover	59	921571-3	4	H. Bolt M10x50 (With Washer)
3	231098-8	1	Compression Spring 6	60	253134-0	4	F. Washer 11
4	924206-5	1	T. Screw M5x10	61	321132-3	1	Screw M20
5	911309-4	2	P. H. Screw M6x10 (With Washer)	62	254001-2	1	Woodruff Key 4
6	323014-5	1	Stopper	63	221317-0	1	Straight Bevel Gear 16
7	253312-2	A.R.	T. Washer 12	64	253311-4	1	T. Washer 10
8	152146-9	2	Roller 26	65	911226-8	3	P. H. Screw M5x18 (With Washer)
9	271244-1	1	Knob 60	66	951116-3	1	Spring Pin 4-20
10	951119-7	1	Spring Pin 4-24	67	341499-3	1	Screw Holder
11	321131-5	1	Screw M14	68	253311-4	1	T. Washer 10
12	253798-0	1	F. Washer 13	69	253314-8	1	T. Washer 15
13	911316-7	2	P. H. Screw M6x14 (With Washer)	70	911226-8	4	P. H. Screw M5x18 (With Washer)
14	341498-5	1	Screw Holder	71	341500-4	1	Handle Supporter
15	253798-0	1	F. Washer 13	72	951116-3	1	Spring Pin 4-20
16	321135-7	1	Gauge	73	271025-3	1	Handle 120
17	815438-4	1	Name Plate	74	271607-1	1	Knob 20
18	812120-6	1	Scale Plate	75	911201-4	1	P. H. Screw M5x8 (With Washer)
19	911104-2	2	P. H. Screw M4x6 (With Washer)	76	321133-1	1	Handle Shaft
20	953106-2	4	Rivet 0-5	77	254001-2	1	Woodruff Key 4
21	253922-5	1	C. Washer 12	78	961055-9	1	Retaining Ring S-15
22	941301-6	1	F. Washer 12	79	221317-0	1	Straight Bevel Gear 16
23	341497-7	1	Slide Plate	80	961055-9	1	Retaining Ring S-15
24	951157-9	2	Spring Pin 5-16	81	911261-6	1	P. H. Screw M5x40
25	231048-3	1	Compression Spring 13	82	911271-3	1	P. H. Screw M5x50 (With Washer)
26	921661-2	1	H. Bolt M12x40	83	341509-6	1	Chain Cover
27	951101-6	1	Spring Pin 4-10	84	257556-6	1	Sleeve 6
28	251609-3	1	H. F. H. Bolt M6x17	85	911241-2	1	P. H. Screw M5x25 (With Washer)
29	941151-9	1	F. Washer 6	86	911201-4	1	P. H. Screw M5x8 (With Washer)
30	163129-4	1	Blade Cover	87	253011-6	1	F. Washer 6
31	231537-8	1	Torsion Spring 17	88	931202-6	3	H. Nut M5
32	911266-9	1	P. H. Screw M5x35 (With Washer)	89	911216-1	3	P. H. Screw M5x14
33	341508-8	1	Belt Cover	90	341515-1	1	Chip Guide
34	257557-4	1	Sleeve 6	91	156575-8	1	Gear Housing Cover
35	911126-2	4	P. H. Screw M4x16 (With Washer)	92	911221-8	4	P. H. Screw M5x16 (With Washer)
36	315111-1	1	Bearing Box	93	231535-2	1	Torsion Spring 13
37	151130-1	1	Frame	94	257555-8	1	Sleeve 5
38	156576-6	1	Motor Housing (With Brush Holder 643653-8 x 2 and Set Screw M5x8 913206-0 x 2)	95	253011-6	1	F. Washer 6
39	921556-9	3	H. Bolt M10x35 (With Washer)	96	257556-6	1	Sleeve 6
40	315106-4	1	Motor Cover	97	251609-3	16	H. F. H. Bolt M6x17
41	911226-8	3	P. H. Screw M5x18 (With Washer)	98	341510-1	4	Drum Cover 135
42	911226-8	3	P. H. Screw M5x18 (With Washer)	99	342486-5	4	Blade Holder
43	331105-8	2	Column	100	731013-7	4	Planer Blade 136
44	311451-5	1	Bed	101	221658-4	1	Helical Gear 15
45	951281-8	4	Spring Pin 8-55	102	211256-2	1	Ball Bearing 6203LLB
46	164509-7	1	Base	103	341507-0	1	Washer 17
47	155331-3	1	Guide	104	161074-7	1	Drum
48	911201-4	2	P. H. Screw M5x8 (With Washer)	105	911106-8	8	P. H. Screw M4x8 (With Washer)
49	321146-2	1	Bush 5	106	341507-0	1	Washer 17
50	253011-6	1	F. Washer 6	107	211256-2	1	Ball Bearing 6203LLB
51	911221-8	1	P. H. Screw M5x16 (With Washer)	108	222074-3	1	V-Pulley 6-41.5 (R)
52	231536-0	1	Torsion Spring 13	109	225053-0	1	Poly V-Belt 6-504
53	951101-6	1	Spring Pin 4-10	110	911908-2	2	P. H. Screw M5x80 (With Washer)
54	163130-9	1	Lock Lever	111	211106-1	1	Ball Bearing 6201LLB
55	911104-2	1	P. H. Screw M4x16 (With Washer)	112	341506-2	1	Washer 12
56	341505-4	1	Indicator	113		1	ARMATURE ASSEMBLY (Assembled Items 115, 116, 117, 118, 119 & 120)
57	921531-5	4	H. Bolt M10x20 (With Washer)		513340-2		100 V.

ITEM NO.	PART NO.	NO. USED	DESCRIPTION	ITEM NO.	PART NO.	NO. USED	DESCRIPTION
MACHINE				MACHINE			
	513342-8		115 V. - 130 V. 200 V. 220 V. 230 V. - 250 V.	131	687628-7	1	Strain Relief
					687609-1		For Canada
114	241025-7	1	Fan 92	132	911216-1	2	P. H. Screw M5x14 (With Washer)
115	213051-6	1	Dust Seal 10	133	253748-5	1	F. Washer 12
116	211066-7	1	Ball Bearing 6200LLB	134	221661-5	1	Helical Gear 76
117	231270-2	1	Compression Spring 11	135	321134-9	1	Spindle
118	263002-9	1	Rubber Pin 4	136	253797-2	1	F. Washer 14
119	681002-1	2	Insulation Washer	137	221513-0	1	Sprocket 8
120		2	Carbon Brush	138	257065-5	1	Ring 10
	643150-4		CB-150 For 100 V.	139	942251-8	1	S. Washer 10
	643153-8		CB-153	140	931503-2	1	H. Nut M10
121	643650-4	2	Holder Cap	141	253180-3	1	F. Washer 10
122	263005-3	1	Rubber Pin 6	142	221660-7	1	Helical Gear 67
123		1	FIELD ASSEMBLY (With Garter Spring 654020-2)	143	221657-6	1	Helical Gear 12
	523300-6		100 V.	144	256093-7	1	Pin 4
			115 V. - 130 V.	145	256092-9	1	Pin 4
	523302-2		200 V.	146	253180-3	1	F. Washer 10
			220 V.	147	256092-9	1	Pin 4
			230 V. - 250 V.	148	253180-3	1	F. Washer 10
124	222073-5	1	V-Pulley 6-20 (L)	149	221659-2	1	Helical Gear 61
125	341504-6	1	Switch Protector	150	911223-4	8	P. H. Screw M5x16 (With Washer)
126	652160-0	1	Insulation Washer	151	321205-2	4	Metal Holder
127	645006-7	1	Noise Suppressor	152	214251-1	4	Plane Bearing 17
128		1	CORD ASSEMBLY (Assembled Cord, Plug & Cord Guard)	153	231262-1	3	Compression Spring 14
	541066-6		Black-White (With Plug)	154	162096-0	2	Roller
			Black-White (With French Type Plug)	155	256093-7	2	Pin 4
			Black-White (Without Plug)	156	221513-0	2	Sprocket 8
			UL & CSA Listed (SJT Type With Plug)	157	257065-5	2	Ring 10
			UL & CSA Listed (SJ Type With Plug)	158	942251-8	2	S. Washer 10
			SEV Listed (With Plug)	159	931503-2	2	H. Nut M10
			SAA Listed (With Plug)	160	225511-6	1	Chain 35-44
			Draka (With Plug)	161	253180-3	1	F. Washer 10
			Italian Type (With Plug)	162	221656-8	1	Helical Gear 12
			Spanish Type (With Plug)	163	256092-9	1	Pin 4
129		1	Switch	ACCESSORIES			
	651750-6		Double Pole	123006-2		1	SHARPENING HOLDER ASSEMBLY (Assembled Items 400, 401, 402 & 403)
	651751-4		Double Pole (With Squared Washer)	400	934301-3	2	W. Nut M6
130		1	Cord Guard	401	341009-6	1	Pressure Plate
	682505-8		For Black-White, Blue-Brown, UL & CSA Listed (SJT & SJ Type), SEV Listed & Draka Cord	402	312846-5	1	Sharpening Holder
	682503-2		For Spanish, Italian & SAA Listed Cord	403	251920-3	2	C. S. N. Bolt M6x30
				404	155193-9	1	Leveller
				405	782203-5	1	Socket Wrench 9
				406	824001-2	1	Tool Case



Makita Electric Works, Ltd.

Anjo, Aichi, Japan

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