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OPERATOR'S MANUAL

JWP-12 PLANER

Stock No. M-708493

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Before operating the unit, please read this manual thoroughly, and retain it for future reference.

We thank you for your purchase of a JET Planer. It has been designed, engineered and manufactured to give you the best possible dependability and performance. However, we'd like to remind you that faultless operation is entirely dependent upon rational use and careful maintenance, which will also spare the user time consuming delays and costly repairs.

SPECIFICATIONS:

Stock Number:	708493
Cutting Capacity:	
Length of Unbutted Stock:	Minimum 13"
Width of Stock:	12 1/2"
Thickness of Stock:	1/32" to 6"
Depth of Cut:	3/32" on 6" Wide Board
Feed Speed:	26 FPM
Cutter Head:	
Number of Knives:	2
Diameter:	1 7/8"
No Load Speed:	8,000 RPM
Cuts per Minute:	16,000
Motor:	16 AMP, 2 HP, 1 Ph, 115V
Overall Dimensions:	
Length:	22"
Width:	14 1/2"
Height:	15 1/2"
Net Weight (Approx.):	60 1/2 lbs.
Shipping Weight (Approx.):	64 1/2 lbs.

STANDARD EQUIPMENT

- 16 amp, 2 HP, 1 Ph, 115V motor
- Folding rigid steel plate table extension
- UL safety key type switch
- In-feed rollers for smoother pass through
- Sturdy handwheel to raise/lower head
- Grip handle for convenient moving of planer
- Adjustable table rollers

The model and serial numbers of your set are located on the front of the belt cover.

Record the serial number in the space provided below. Refer to these numbers in any correspondence relating to this product:

MODEL: _____

SERIAL NO.: _____

GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

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1. KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2. NEVER LEAVE TOOL RUNNING UNATTENDED

Turn power off. Don't leave tool until it comes to a complete stop.

3. KEEP GUARDS IN PLACE

—in working order, and in proper adjustment and alignment.

4. REMOVE ADJUSTING KEYS AND WRENCHES

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

5. KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floor must not be slippery due to wax or sawdust.

6. AVOID DANGEROUS ENVIRONMENT

Don't use power tools in damp or wet locations or expose them to rain. Keep work area well lighted. Provide adequate surrounding work space.

7. KEEP CHILDREN AWAY

All visitors should be kept a safe distance from work area.

8. MAKE WORKSHOP CHILD-PROOF

—with padlocks, master switches, or by removing starter keys.

9. DON'T FORCE TOOL

It will do the job better and safer at the rate for which it was designed.

10. USE RIGHT TOOL

Don't force tool or attachment to do a job for which it was not designed.

11. WEAR PROPER APPAREL

Do not wear loose clothing, gloves, neckties or jewelry (rings, wrist watches) to get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above elbow.

12. USE SAFETY GOGGLES (Head Protection)

Wear Safety goggles (must comply with ANSI Z87.1)

at all times. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if cutting operation is dusty, and ear protectors (plugs or muffs) during extended periods of operation.

13. SECURE WORK

Use clamps or a vise to hold work when practical. It's safer than using your hand, and frees both hands to operate tool.

14. DON'T OVERREACH

Keep proper footing and balance at all times.

15. MAINTAIN TOOLS WITH CARE

Keep tools sharp and clean for best and safest performances. Follow instructions for lubricating and changing accessories.

16. DISCONNECT TOOLS

—before servicing and when changing accessories such as blades, bits, cutters, etc.

17. AVOID ACCIDENTAL STARTING

Make sure switch is in "OFF" position before plugging in.

18. USE RECOMMENDED ACCESSORIES

Consult the owner's manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

19. NEVER STAND ON TOOL

Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool so that it is necessary to stand on the tool to reach them.

20. CHECK DAMAGED PARTS

—before further use of the tool. Any 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, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

21. DIRECTION OF FEED

Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

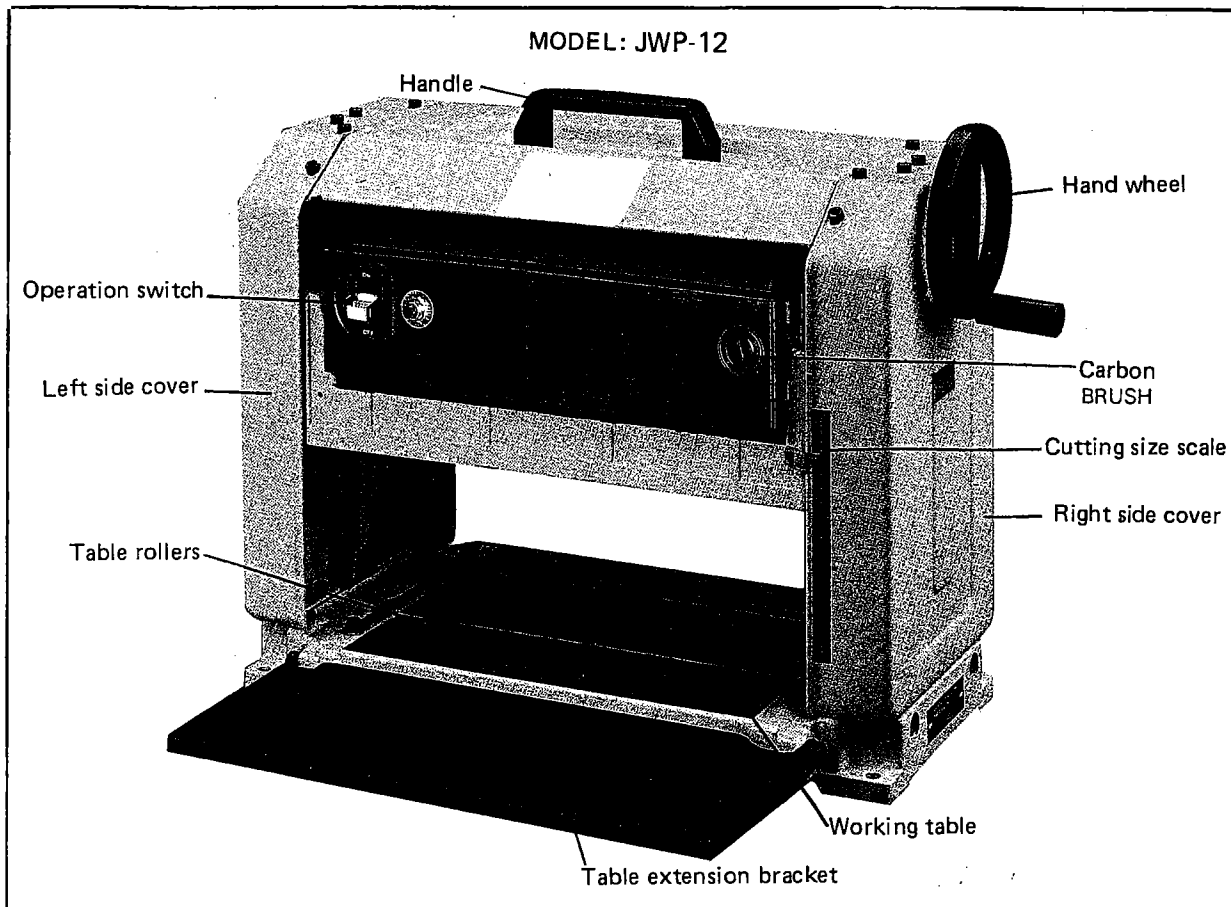


The operation of any power tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shield before commencing any power tool operation. We recommend a WIDE SAFETY MASK for over spectacles or standard safety glasses, available at Sears retail or catalog stores.

SAFETY INSTRUCTION FOR ~~PLANER~~ PLANER

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1. Always wear eye protection when operating any machine.
2. Before starting up, recheck to make certain all holding screws are tight.
3. Always stop motor and disconnect the power source before making adjustments of any kind.
4. Be sure all guard are in place before operating equipment.
5. Read operator's manual thoroughly and familiarize yourself with machine before attempting to operate.
6. Keep children away. All visitors should keep a safe distance.
7. After approximately 50 feet of operation, stop machine and recheck cutterhead gib screws and knives for tightness.
8. Do not force feed your work through the machine. Allow the planer to apply the proper feed rate.
9. Check feed rollers occasionally to be sure chips and sawdust are not between any components. If rollers are not seated firmly, the feed rolls will not hold stock firmly against bed and cause kickback.
10. Plane only wood boards.
11. Use sound lumber, no loose knots, and as few tight knots as possible.
12. Never stand directly in line with either the in-feed or outfeed sides. Always stand off to one side of the machine.
13. Be certain the workpiece is free from nails, screws, stones, and other foreign objects which could break the knives.
14. Be sure the knives are properly attached as described in the Operation instructions.
15. The knives are sharp and can easily cut your hand. Use caution when handling the knives and cutterhead assembly.
16. Never put your fingers into the chip chute or under the knife guard.
17. Allow the cutterhead to reach full speed before using.



Clean Up and Assembly

WARNING: Do NOT connect planer to the power supply during the assembly process or whenever making adjustments. Read all instructions in this manual before attempting to use planer. Failure to heed these warnings may result in serious injury!

After opening box and taking out all components, clean any parts with a protective coating with kerosene and a soft rag. Do not use any cellulosebased solvents (gas, lacquer thinner, etc.). These will damage painted surfaces.

Compare contents with the list below:

Planer	1
Chip Deflector	1
Wrench	1
Wrench	1
Screwdriver	1
Lag bolts (5/16 x 1 3/4)	4
Washer (5/16)	4
Cap Screw	1
Lock Washer	1
Lift Knob Assembly	1
Manual	1
Handle	1
Handle Screws	2
3MM Hex Wrench	1
5MM Hex Wrench	1
Knife Guage	1

If any of the above are missing, contact your distributor immediately and inform him of the shortage.

Electrical Requirements

Keep the distance between planer and the power supply to a minimum. Using an extension cord will cause a slight loss of motor efficiency. If an extension cord has to be used, keep the wire size at 14 AWG or larger for runs up to 50 feet. For runs 50-100 feet, use 12 AWG or larger. Do not use an extension cord over 100 feet.

The 2HP motor is 115 volt and rated at 16 amp. A 20 amp circuit minimum is recommended for trouble free operation.

Assembly

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CAUTION: Do NOT attempt to run planer without completing all assembly and adjustment instructions.

If not using the optional stand, a simple base can be built by:

1. Produce two wood blocks with the following dimensions: 17" long by 2" wide by 2" high.
2. Drill holes 1/4" using holes in planer base as outline. Be sure to center holes properly.
3. Attach drilled blocks to the base of unit using 4 four 5/16" x 1 3/4 lag bolts. Tighten with wrench. (Fig. 1)

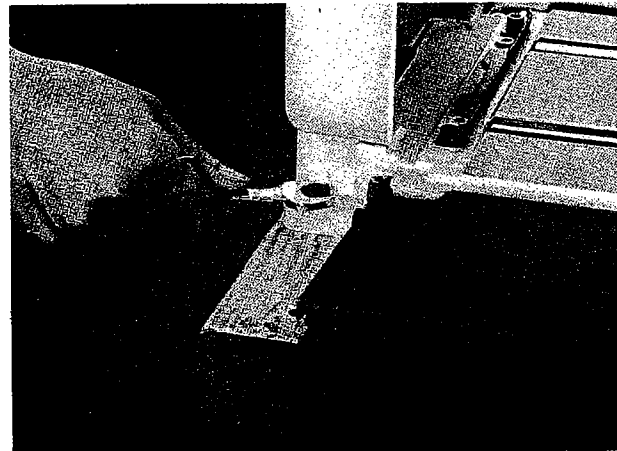


Fig.1

Attach handle assembly using two enclosed screws.

Attach safety cover to rear of machine using enclosed wing bolts. (Fig. 2)

WARNING: Safety guard must be installed to protect the operator from the cutter blades and to guide wood chips away from the machine. Failure to install this guard may cause serious injury to the operator and/or damage to the machine!

Install handwheel using enclosed bolt and hex wrench.

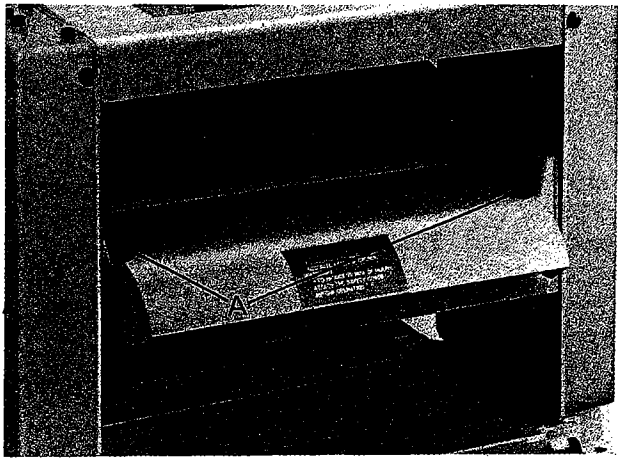


Fig. 2

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Hand Wheel

The hand wheel is used to raise (clockwise rotation) or lower (counter-clockwise rotation) cutter head assembly. One complete turn of the hand wheel moves the cutterhead .0787 inches (2MM). (Fig. 3)

Cutting Depth Scale

Find the cutting depth scale on the front of the machine. It reads in both inches and centimeters. It is graduated by 1/16" (or 1 CM). (Fig. 4)

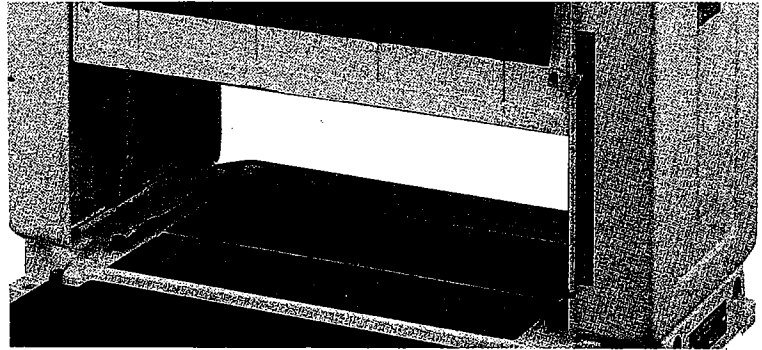


Fig. 4

Operation

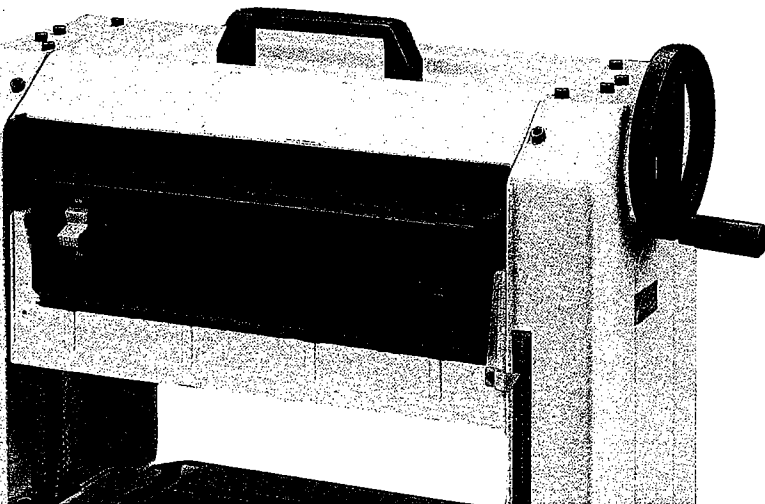
WARNING: Before plugging machine into power source, be sure switch on machine is in the off position.

On-Off Switch

Location of the switch is on the front left side of the planer. Push up to turn on, down to turn off. Remove the switch from the receptacle to prevent unauthorized operation. This is especially important to remember when small children and those unfamiliar with the machine's operation have access to it. (Fig. 3)

Table Extension Bracket

Table extensions are down when planing and folded up for transportation. Before leaving the factory, the tables were adjusted for proper operation. To inspect for proper adjustment, take a ruler approximately three feet long and lay across table and two extension tables as shown. (Fig. 5)



3

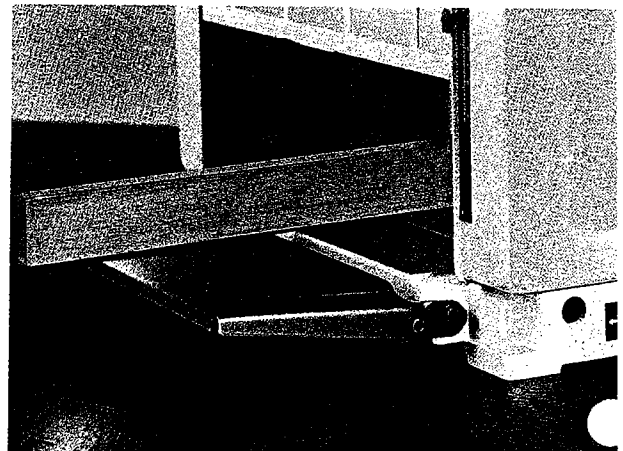


Fig. 5

B A

If height of table and extension bracket is different, adjust as follows: (Fig.5)

1. Using 10-12MM combination wrench, loosen nut B on both sides of same table extension.
2. Adjust nut A on both sides of same extension table until extension table is level with working table.
3. Tighten nuts B to finish.
4. Repeat for second extension table.

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Blade Adjustments

WARNING: Planer blades are extremely sharp. Handle with care. Failure to do so may result in serious injury!

WARNING: Before making any adjustment, unplug machine from the power source!

Blade Alignment

Using a block of wood known to be square and true, place on roller table between rollers to the extreme right of the machine. Lower blade assembly using handle until blade just comes into contact with wood and back off a 1/2 turn. (Fig. 6) Move block of wood from one side to the other between the rollers and visually check to see that space between the wood and the blade stays the same. (Fig. 6) If blade remains parallel to wood block, no further adjustment is necessary.

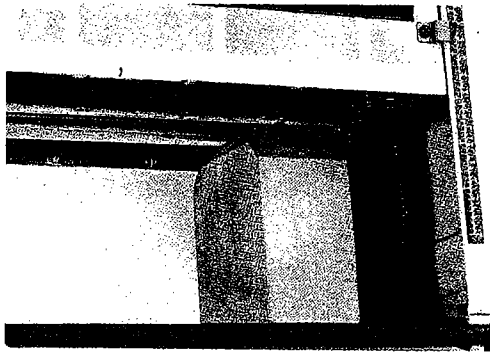


Fig.6

If blade does not remain parallel to wood block, adjust as follows:

1. Remove eight cap screws on top cover. (Fig. 7)

2. Remove top cover by pushing to right and lifting left side up and out. (Fig.7)

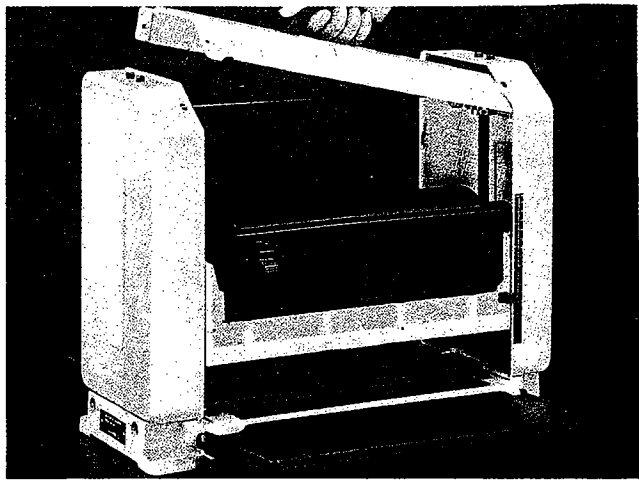


Fig.7

3. Remove "C" clips from one side on shaft A and slide back bevel gear B on shaft. (Caution: Do not rotate shaft A once bevel gears are separated. This will cause alignment problems). (Fig. 8)

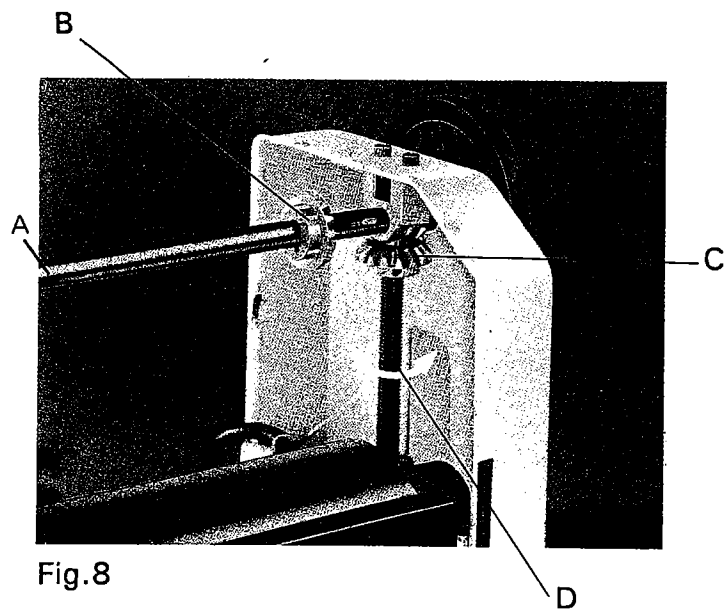


Fig.8

4. Rotate screw rod D clockwise or counter-clockwise until blade is parallel with wood block from one side to the other.

Slide gear B back into place. Make sure teeth aligns with teeth in gear C. (Fig. 8)

3. Replace "C" clips.
4. Replace cover by attaching with eight hex socket cap screws.

Removing and Installing Blades

1. Lower blade assembly using handwheel to lowest level (next to roller table).
2. Remove two wing nuts and take off safety cover.
3. Loosen seven hex screws A. (Fig.9)
4. Remove lock bar B.

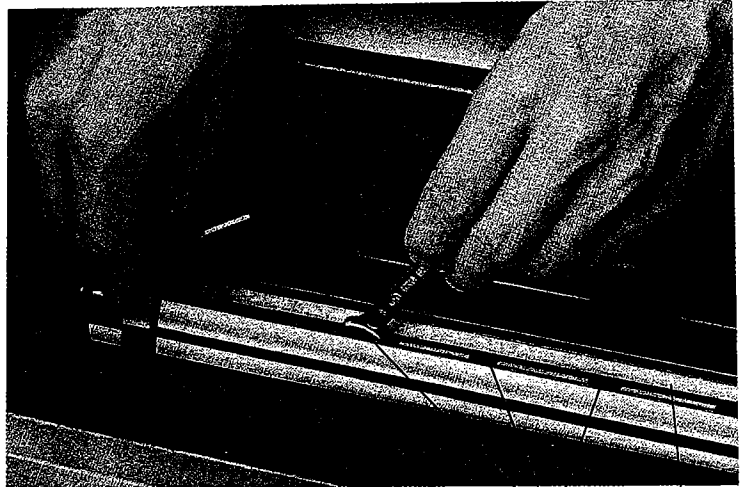


Fig.9

5. Carefully remove blade.
6. Install new blade. Pay particular attention to install blade with the cutting edge facing the correct way.
7. Adjust blade height by using knife guage (E) Fig. 9-1 and hex screw wrench. (Fig. 9)
8. When blade is adjusted for correct height, tighten all seven hex screws tightly.

WARNING: Make sure that all hex screws are tightened before operation. If hex screws are not tight, blades may eject from the roller and cause serious injury.

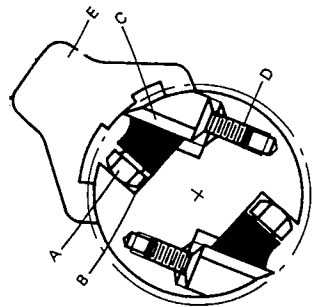


Fig.9-1

Table Roller Adjustment

The infeed and outfeed roller have been adjusted for proper height at the factory. Check to see that the rollers are adjusted as in Fig. 10. When properly set, they will be .002"-.003" above the table surface. (Fig. 10)

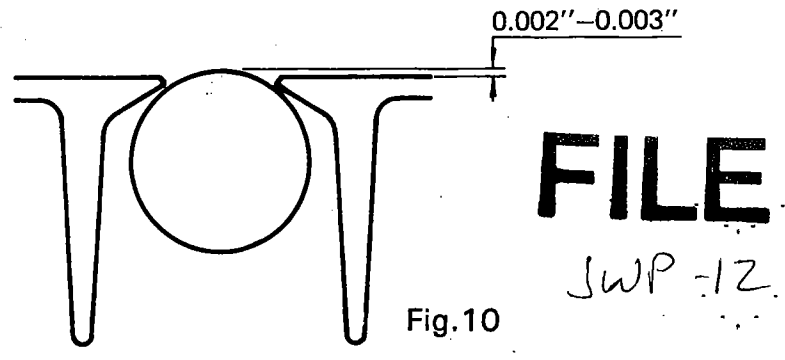


Fig.10

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After many hours of operation, the rollers may become too low. To adjust:

1. Use 3MM hex socket wrench to loosen two hex socket screws found on the roller table. See Fig. 11.

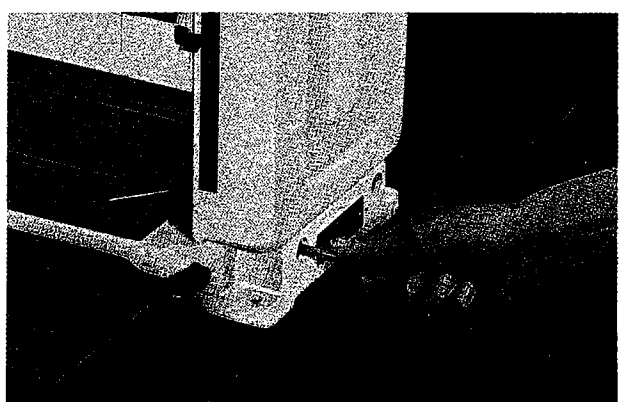


Fig.11

2. Using a screwdriver, adjust both roller ends to the proper height.
3. Tighten set screws to lock adjustment.
4. Repeat for other roller.

Lubrication

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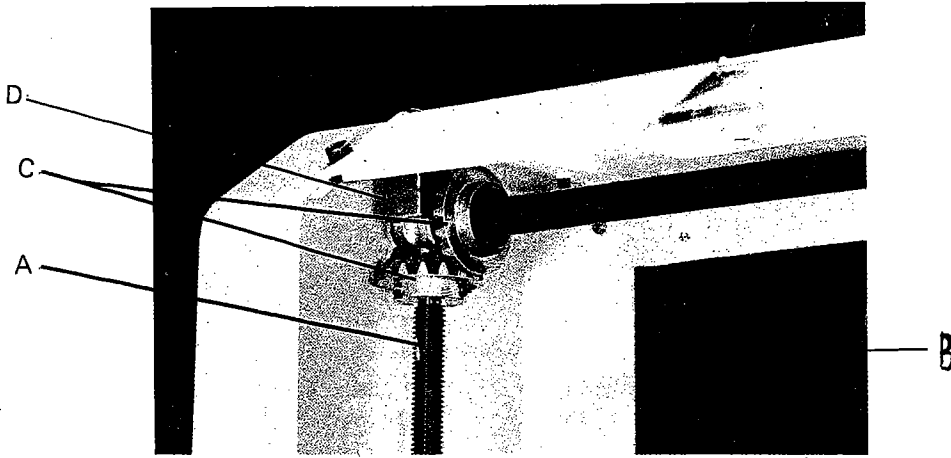


Fig. 12

Proper lubrication is essential for smooth operation and long planer life. The motor has sealed bearings and requires no lubrication.

1. Lead Screw - left and right lead screws (A) require grease. (Fig. 12)
2. Slide Rails - slide rails of head casting require grease. (Fig. 12)
3. Bevel Gears - Grease gears (C). (Fig. 12)
4. Guide Screw Bracket (D) - four lubricating points where guide screws meet guide screw bracket need grease. (Fig. 12)
5. Chain - Chain drive for table rollers requires lubrication. Lube chain with brush and lube oil.

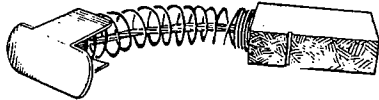
Maintenance

Clean dust and chips from motor daily.

REMOVE PLASTIC CAP



CARBON BRUSH



MINIMUM LENGTH

Fig. 13

Brushes should be checked for wear every 10-15 hours of operation. Replace when the carbon is worn to a length of 6MM or less. An indent line is located on the brush to serve as an indicator at replacement time. (Fig. 13)

OPERATION HINTS

Warp

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Different Kinds of Warp

Warp is a variation from a plane or true surface. Warping of wood is caused by uneven shrinkage during the drying process. Shrinkage is not the same in all directions of the grain and due to the different grain direction in pieces of lumber, different type of warpage can occur.

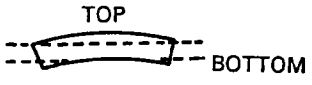
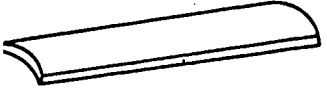
FIGURE 14 STRAIGHT BOARD WITH NO WARPAGE



Little or No Warpage

This is the most ideal condition. With little or no warpage, you merely run the board through on both sides and plane to the desired thickness.

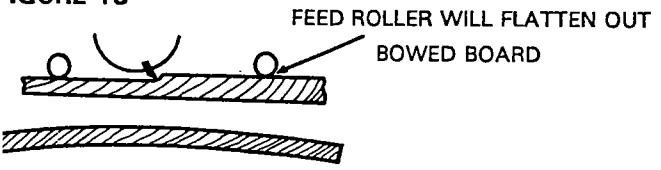
FIGURE 15 A STRAIGHT BOARD WITH CUP WARPAGE



Cupped or Warped Across Width

With a board that is cupped you would first plane the top flat and then turn the board over and plane the bottom flat. If possible, ripping the board down the middle of the cup would eliminate a large amount of waste in planing thickness.

FIGURE 16



BUT BOW WILL COME BACK AFTER PLANING

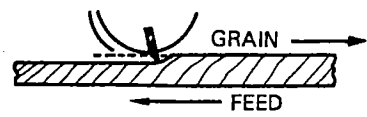
Safe Operation Methods:

For your own safety, when planing backward, do not stretch your hand toward the inside of the roller.

Grain Direction

1. Feeding with the grain is feeding so that the grain slants in the same direction in which the knives travel as they emerge from the cut. See Fig. 17.

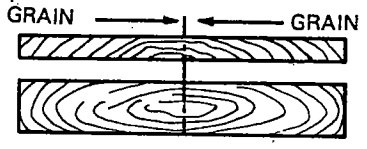
FIGURE 17



2. Grain patterns often have a "V" shape. The point of the "V" should point away from the cutterhead while it is feeding.

3. Grain direction can also be determined by running your fingertips over the stock. The stock will feel smoother when your fingertips move with the grain. See Fig. 18.

FIGURE 18



4. Occasionally the grain direction reverses in the same piece of wood. Better results of planing would be obtained if the board were cut in half and each board planed with the grain.

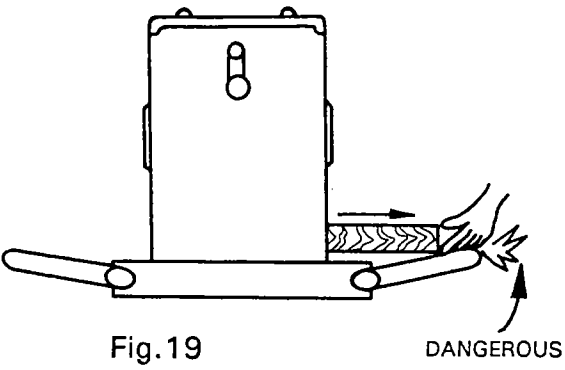


Fig. 19

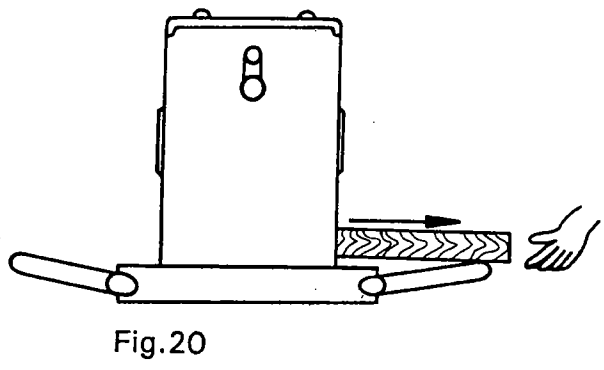
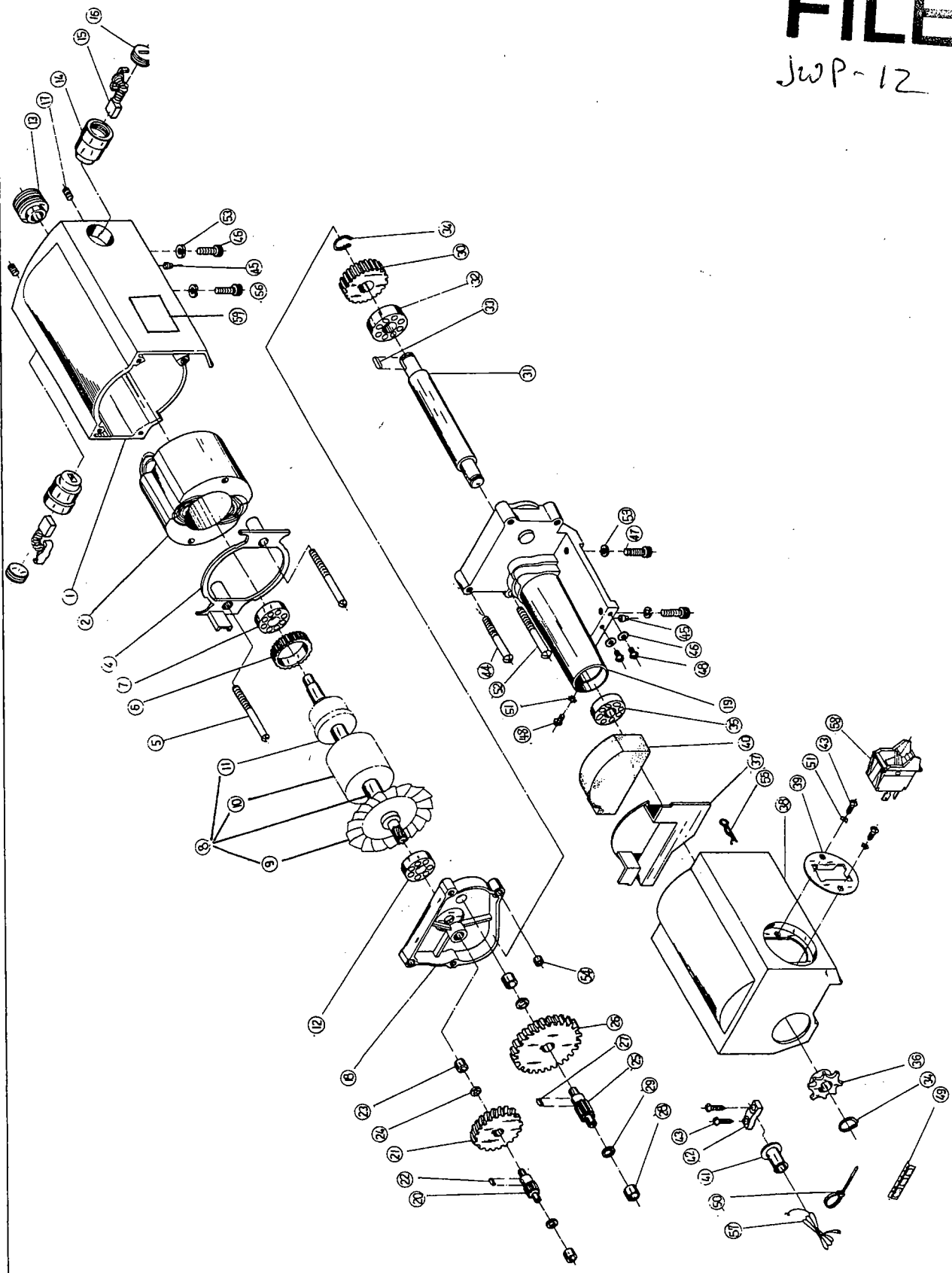


Fig. 20

MOTOR AND GEAR BOX

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PARTS LIST FOR [REDACTED] 12" PLANER

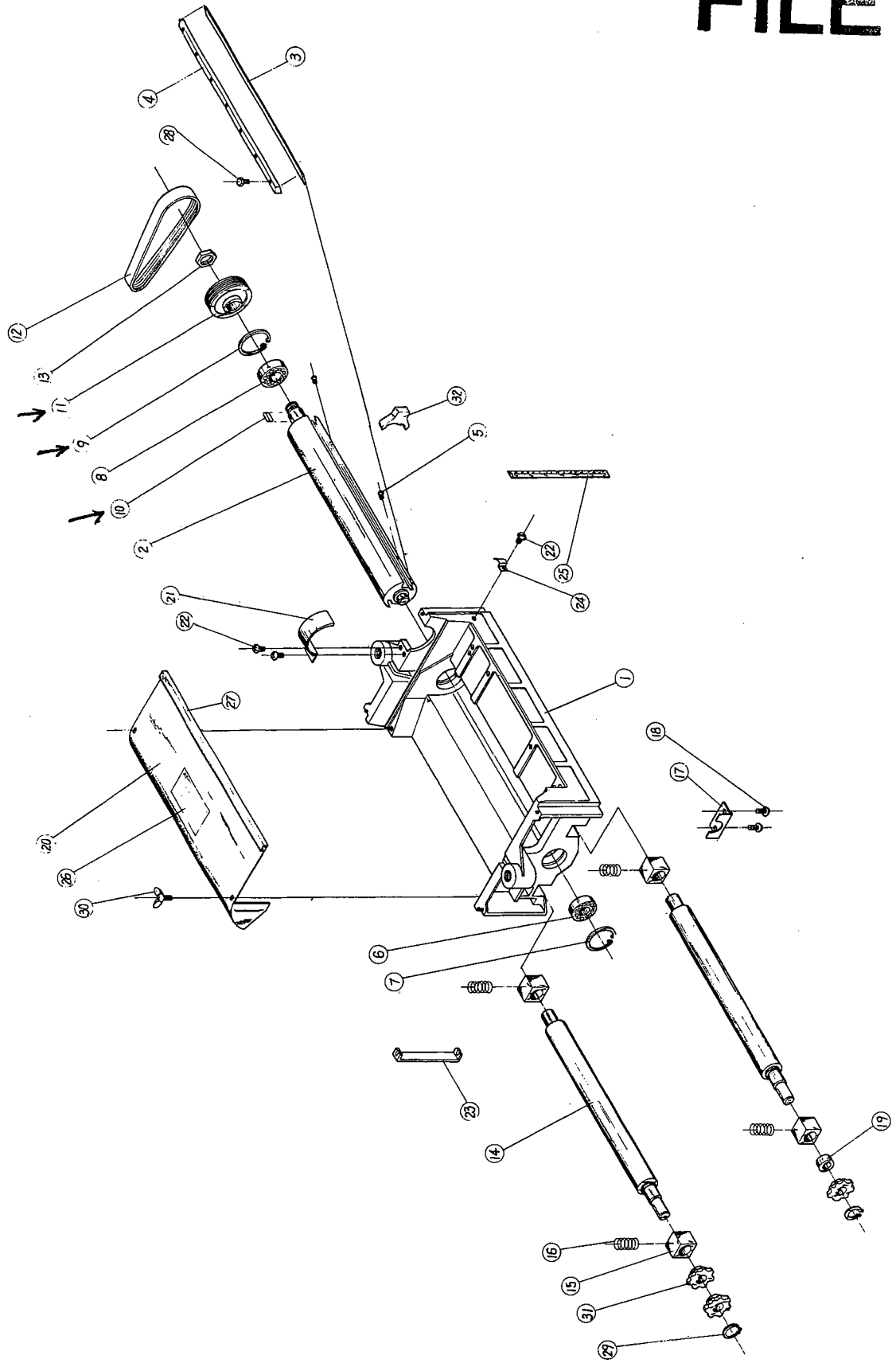
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PLEASE ORDER BY PART NUMBER ONLY

MOTOR AND GEAR BOX

INDEX NO.	PART NO.	PART DESCRIPTION	REMARKS	SIZE	QTY.
1	JWP12-101	Motor Housing	PK-M01		1
2	JWP12-102	Stator	PK-M02		1
3	PK-M02A	Steel Sheet			1
4	JWP12-103	Fan Casing	PK-M03		1
5	JWP12-104	Screw	PK-M04		2
6	JWP12-105	Bearing Housing	PK-M05		1
7	BB-6201	Ball Bearing	JWP12-106		1
8	JWP12-107	Armature Assembly	PK-M06	INC.9,10,11	1
9	PK-M06A	Vane			1
10	PK-M06B	Silicon Sheet			120
11	PK-M06C	Current Regulator			1
12	BB-6200	Ball Bearing	JWP12-108		1
13	JWP12-109	Motor Pulley	PK-M07		1
14	JWP12-110	Brush Holder	PK-M08		2
15	JWP12-111	Carbon brush	PK-M09		2
16	JWP12-112	Brush Cap	PK-M10		2
17	TS-1522031	Set Screw	5A-C202	M5x.8x10	2
18	JWP12-114	Gear Box Cover	PK-M11		1
19	JWP12-115	Gear Box	PK-M12		1
20	JWP12-116	Pinion	PK-M13		1
21	JWP12-117	Gear	PK-M14		1
22	JWP12-118	Key	5F-G001	3x3x7	1
23	JWP12-119	Bushing	PK-M15		2
24	JWP12-120	Washer	PK-M16		1
25	JWP12-121	Pinion	PK-M17		1
27	JWP12-123	Key	5F-G051	4x4x8	1
28	JWP12-124	Bushing	PK-M19		2
29	JWP12-125	Washer	PK-M20		1
30	JWP12-126	Gear	PK-M21		1
31	JWP12-127	Shaft	PK-M22		1
32	BB-62027	Ball Bearing	5H-A085A		1
33	JWP12-129	Key	5G-G052		1
34	JWP12-130	Retaining Ring	5H-A006		2
35	BB-6002Z	Ball Bearing	5H-A013A		4
36	JWP12-132	Sprocket	PK-M23		1
37	JWP12-133	Switch Cover	PK-M24		1
38	JWP12-134	Switch Box	PK-M25		1
39	JWP12-137	Switch Board	PL-M01		1
40	JWP12-138	Sponge	PK-M27		1
41	JWP12-140	Relief Bushing	PK-M28		1
42	JWP12-141	Wire Clamp	PK-M29		1
43	JWP12-142	Pan Head Screw	5A-H002		4
44	JWP12-143	Screw	PK-M30		3
45	JWP12-144	Pin	PK-M31		2
46	JWP12-145	Cap Screw			2
47	TS-1503051	Cap Screw	JWP12-146	M6x1.0x20	2
48	TS-1532032	Pan Head Machine Screw	JWP12-147	M4x.7x8	3
49	JWP12-148	Chain	5G-E151		2
50	JWP12-149	Wire Clip	5J-C051		1
51	JWP12-150	Tooth Washer	5E-C051		3
52	JWP12-151	Phillip Head Screw	PK-M32	M4.8x2.1x60	1
53	TS-1551041	Lock Washer	JWP12-152		4
54	JWP12-153	Hollow Pin	PK-M33		4
55	JWP12-154	Snap Pin	5F-E505		3
56	PK-M34	Screw			2
57	JWP12-139	Power Wire			1
58	JWP12-135	Switch			1
59	JWP12-156	Name Plate			1

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CUTTERHEAD

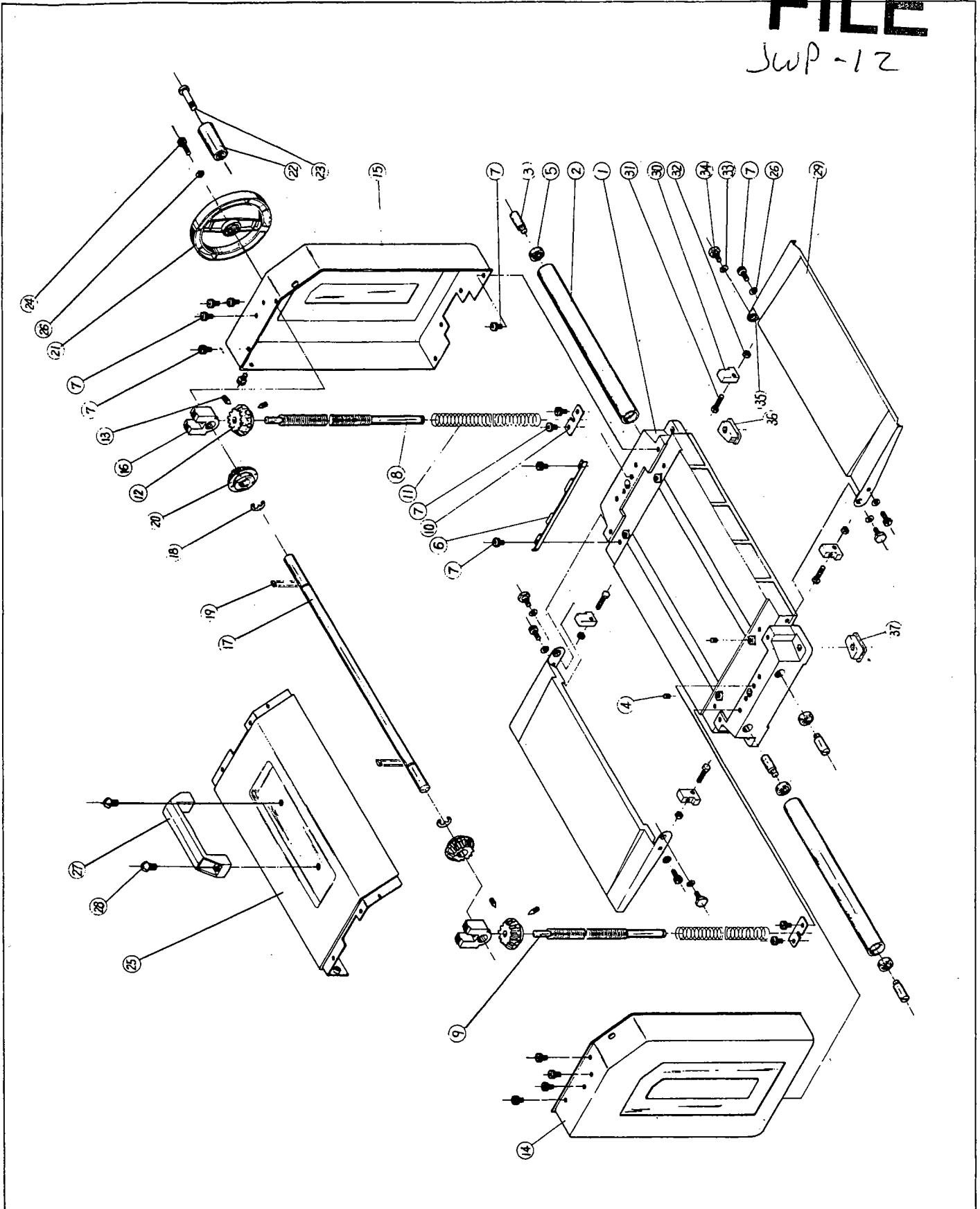
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INDEX NO.	PART NO.	PART DESCRIPTION	REMARKS	SIZE	QTY.
1	JWP12-301	Head Casting	PK-C01		1
2	JWP12-302	Cutterhead	PK-C02		1
3	708806	Knife	JWP12-303		2
4	JWP12-304	Knife Lock Bar	PK-C04		2
5	TS-1533042	Flat Head Bolt	JWP12-305	M5x.8x12	6
6	BB-6202ZZ	Ball Bearing			1
7	JWP12-307	Retaining Ring	5F-A121		1
8	BB-6203ZZ	Ball Bearing			1
9	JWP12-309	Retaining Ring	5F-A125		1
10	JWP12-310	Key	5F-G101	5x5x10	1
11	JWP12-311	Machine Pulley	PK-C05		1
12	JWP12-312	Poly V-Belt	5G-D201		1
13	JWP12-313	Nut	PK-C06	M16x1.5	1
14	JWP12-314	Feed Roller	PK-C07		2
15	JWP12-315	Bushing	PK-C08		4
16	JWP12-316	Spring	PK-C09		4
17	JWP12-317	Bracket	PK-C10		4
18	TS-1533032	Pan	JWP12-318	M5x.8x10	10
19	JWP12-319	Collar	PK-C11		2
20	JWP12-320	Chip Deflector	PK-C12		1
21	JWP12-321	Pulley Cover	PK-C13		1
22	TS-1532042	Pan Head Screw	5A-D202	M4x.7x12	3
23	JWP12-323	Slider	PK-C14		4
24	JWP12-324	Pointer	PL-C01		1
25	JWP12-325	Scale			1
26	JWP12-326	Warning Plate			1
27	JWP12-327	Sponge	PK-C18		1
28	JWP12-328	Hex Head Screw	JC-C06	1/4-28NF	14
29	JWP12-329	Retaining Ring	5F-A006		2
30	TS-1481011	Hex Cap Screw	5A-B206	M5x.8x8	2
31	JWP12-132	Sprocket	PK-M23		3
32	JWP12-332	Knife Gauge	PK-C19		1

JWP-12



TABLE

PLEASE ORDER BY PART NUMBER ONLY

FILE

JWP-12

INDEX NO.	PART NO.	PART DESCRIPTION	REMARKS	SIZE	QTY.
1	JWP12-201	Base	PK-T01		1
2	JWP12-202	Table Roller	PK-T02		2
3	JWP12-203	Eccentric Shaft	PK-T03		4
4	TS-1523021	Set Screw	5A-C301	M6x1.0x8	4
5	BB-608Z	Ball Bearing	5H-A141A		4
6	JWP12-206	Guide Plate	PK-T04		2
7	TS-1503021	Cap Screw	JWP12-207	M6x1.0x10	28
8	JWP12-208	Lead Screw(L)	PK-T05	M14x2	1
9	JWP12-209	Lead Screw(R)	PK-T06	M14x2	1
10	JWP12-210	Anchor Plate	PK-T07		2
11	JWP12-211	Spring	PK-T08		2
12	JWP12-212	Bevel Gear	PK-T09		2
13	TS-1523031	Set Screw	5A-C302	M6x1.0x10	4
14	JWP12-214	Cover(left)	PL-T01		1
15	JWP12-215	Cover(right)	PL-T02		1
16	JWP12-216	Bracket	PL-T03		2
17	JWP12-217	Shaft	PK-T13		1
18	JWP12-218	E-Ring	5F-B011		2
19	JWP12-129	Key	5F-G052	4x4x10	2
20	JWP12-220	Bevel Gear	PK-T14		2
21	JWP12-221	Handle	PL-T04		1
22	JWP12-222	Knob	PK-T16		1
23	JWP12-223	Bolt	PK-T17		1
24	TS-1482031	Cap Screw	5A-B302	M6x1.0x16	1
25	JWP12-225	Top Cover	PL-T05		1
26	TS-1551041	Lock Washer	5E-B004	M6	5
27	JWP12-227	Grip	PL-T06		1
28	JWP12-228	Pan Head Screw	5A-D501	M8x1.25x10	2
29	JWP12-229	Table Extension Bracket	PL-T08		2
30	JWP12-230	Bracket	PK-T24		4
31	TS-1482051	Hex Head Screw	5A-A305	M6x1.0x25	4
32	TS-1540041	Nut	5B-A004	M6x1.0	4
33	JWP12-233	Wave Washer	PK-T22		4
34	JWP12-234	Shaft	PL-T09		4
35	PL-T10	Bushing			4
36	PK-T10	Cushion			2
37	PK-T26	Cushion			2
38	TS-1534032	Pan Head Screw	5A-D401		4
39	JWP12-236	Plate			1
40	JWP12-237	Label			1

MOTOR AND GEAR BOX

FILE

JWP-12

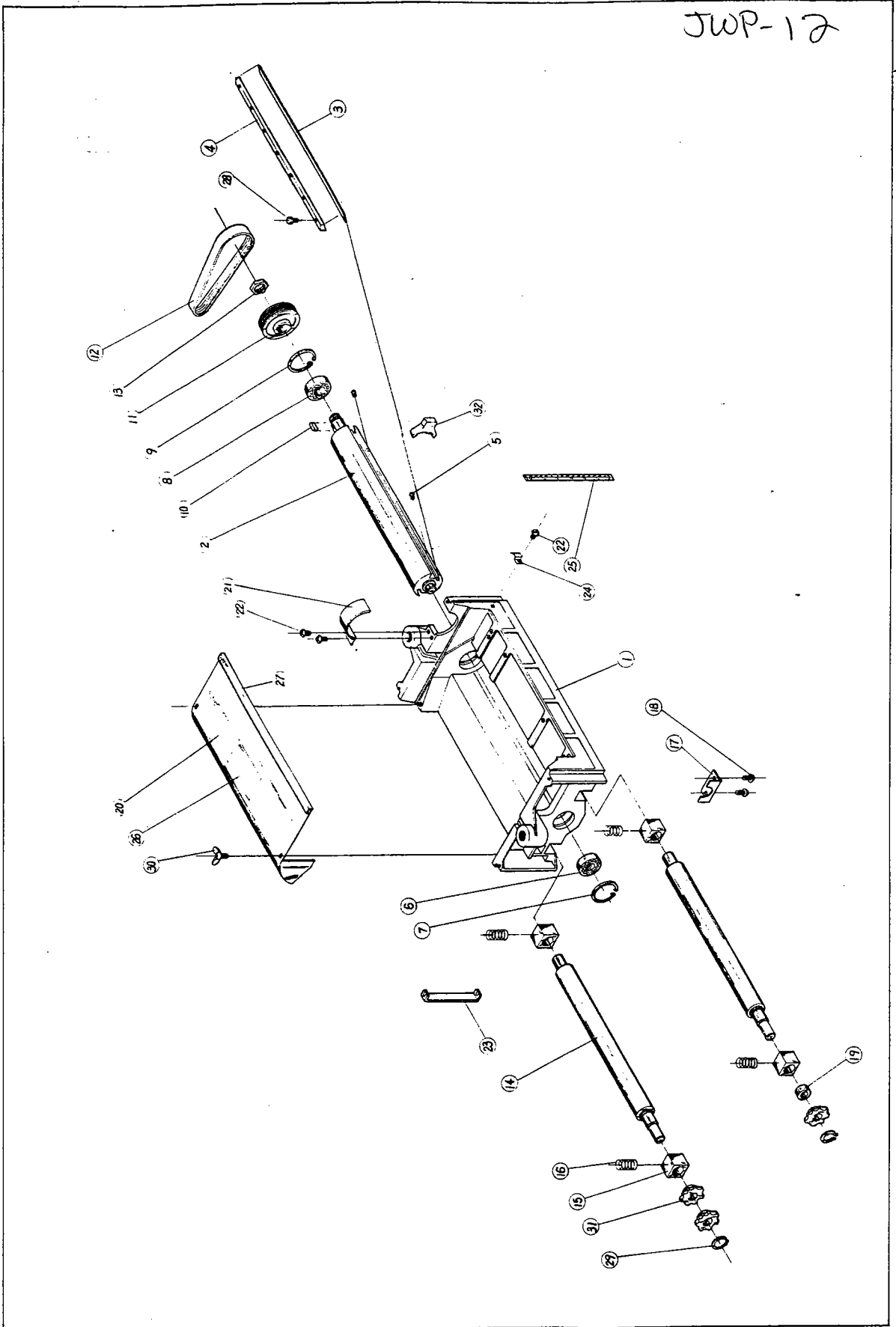
OLD
STYLE

Index No.	Parts No.	Parts Name	Q'ty	Remark
1	125-1001	Motor Housing	1	
2	125-1003	Stator	1	
3	125-1002	Fan Casing	1	
4	125-1031	Screw	2	M4.8x1.58P-65
5	125-1001-1	Bearing Housing	1	
6		Bearing	1	#6201-2NK
7	125-1004	Armature Assembly	1	
8		Bearing	1	#6200-2NK
9	125-1005	Motor Pulley	1	
10	125-1028	Brush Holder	2	
11	125-1029	Carbon	2	
12	125-1030	Brush Cap	2	
13		Set Screw	2	
14	125-1006	Gear Box Cover	1	
15	125-1007	Gear Box	1	
16	125-1008	Pinion	1	M=1, T=8
17	125-1009	Gear	1	M=1, T=46
18		Key	1	3x3x8
19	125-1024	Bush	2	
20	125-1010	Washer	2	ID 6.3xOD 10x0.4t
21	125-1011	Pinion	1	M=1.25, T=8
22	125-1012	Gear	1	M=1, T=70
23		Key	1	4x4x8
24	125-1013	Bush	2	
25	125-1014	Washer	2	ID 8.3xOD 11x0.4t
26	125-1015	Gear	1	M=1.25, T=33
27	125-1016	Shaft	1	
28		Bearing	1	#6202 Z
29		Key	1	4x4x10
30		Retaining Ring	2	STW-15
31		Bearing	1	#6002 Z
32	125-1017	Sprocket	1	
33	125-1018	Switch Cover	1	
34	125-1019	Switch Box	1	
35		Switch	1	
36		Switch Key	1	
37	125-1020	Switch Board	1	
38	125-1027	Sponge	1	
39		Power Supply Wire	1	
40	125-1025	Relief Bush	1	
41	125-1021	Wire Clamp	1	
42		Pan Hd. Scr.	4	M4x1.41P-16
43	125-1032	Phillips Head Screw	3	M4.8x1.58P-50
44	125-1022	Pin	2	
45		Washer	2	ID 4.2x OD 10x0.8t
46		Cap Screw	4	M6x1.0P-20
47		Pan Hd. Scr.	3	M4x0.7P-8
48		Chain	1	#410-26P
49		Wire Clip	1	
50		Tooth Washer	2	BW-4
51	125-1033	Phillips Head Screw	1	M4.8x1.58P-60
52		Spring Washer	4	M6
53	125-1026	Hollow Pin	4	
54		Snap Pin	2	SSP-10

CUTTER HEAD

FILE

JWP-12



CUTTER HEAD

FILE

JWP-12

Index No.	Parts No.	Parts Name	Q'ty	Remark
1	125-2001	Head Casting	1	
2	125-2002	Cutter Head	1	
3	125-2003	Knives	2	
4	125-2004	Knife Lock Bar	2	
5		Flat Head Bolt	4	M5x0.8P-12
6		Bearing	1	#6202ZZ
7		Retaining Ring	1	RTW-35
8		Bearing	1	#6203ZZ
9		Retaining Ring	1	RTW-40
10		Key	1	5x5x10
11	125-2005	Machine Pulley	1	
12		Poly V-Belt	1	#135J-6
13	125-2007	Nut	1	M16x1.5P
14	125-2008	Feed Roller	2	
15	125-2009	Bush	4	
16	125-2010	Spring	4	
17	125-2011	Bracket	4	
18		Pan Hd. Scr.	10	M5x0.8P-10
19	125-2012	Collar	1	
20	125-2013	Chip Deflector	1	
21	125-2014	Pulley Cover	1	
22		Pan Hd. Scr.	3	M4x0.7P-8
23	125-2015	Slider	4	
24	318-2016	Pointer	1	
25	125-2017	Scale	1	
26	125-2018	Warning Plate	1	
27	125-2019	Sponge	1	
28	08-3006	Hex. Hd. Scr.	14	1/4-28NF
29		Retaining Ring	2	STW-15
30		Wing Bolt	2	M5x0.8P-10
31	125-1017	Sprocket	3	
32	125-1020	Knife Gauge	1	