

Operations & Parts Manual



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J168LH

HEAVY DUTY 16" JOINTER

Please ensure you have your serial number available when contacting us for parts or service.

Cantek America Inc. | 1.888.982.2683 | **Parts:** sales@cantekamerica.com | **Service:** service@cantekamerica.com

SPECIFICATIONS:

Cutting Capacity:

Maximum width..... 16" (406mm)
Maximum depth of cut..... 3/4" (19mm)

Table Size

Width..... 16" (406mm)
Length..... 96" (2438mm)
Height from floor..... 31-1/2" (800mm)

Fence

Size (LxH)..... 47" x 5-1/2" (1194x140mm)
Tilt degree..... 45 (F & R)
Positive Stops..... 45, 90, 135

Cutterhead

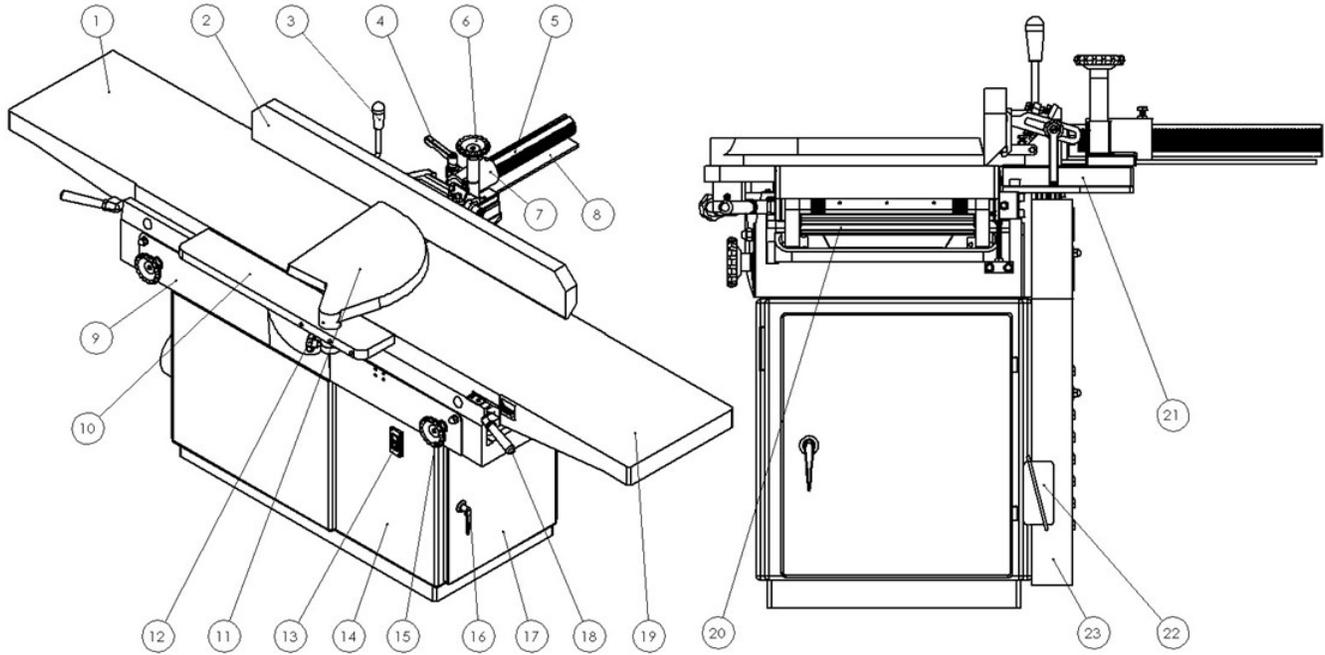
Speed..... 5000RPM
Number of knives..... 4
Diameter..... 3-15/16" (100mm)
Cutting circle..... 4-3/32" (104mm)
Rabbeting capacity..... 3/4" (19mm)

Overall Dimension (LxWxH)..... 97" x 40" x 37" (2464x1016x940mm)
Packing Dimension (LxWxH)..... 102" x 34" x 40" (2597x866x1024mm)
Net Weight..... 990lbs (450kgs)
Gross Weight..... 1210lbs (550kgs)

Standard Equipment:

1. Cutterhead guard
2. Tool sets: Spanner 10x12 1pc, 12x14 1pc, 17*19 1pc
Allen wrench 3, 5, 6, 8, 10mm * 1pc
3. 6" dia. Nozzle exhaust hood

FEATURES OF YOUR JOINTER



- | | |
|------------------------------------|-----------------------------------|
| 1. Outfeed Table | 13. PB Switch |
| 2. Fence | 14. Base |
| 3. Fence Handle | 15. Table Lock |
| 4. Lock Handle | 16. Door Handle |
| 5. Support, Spur Gear | 17. Stand Door |
| 6. Control Handle-Forward/Backward | 18. Handle-Table Raising/Lowering |
| 7. Rack | 19. Infeed Table |
| 8. Safety Cover-Cutterhead | 20. Exocentric Shaft |
| 9. Middle Base | 21. Fence Base |
| 10. Rabbeting Ledge | 22. Wiring Box |
| 11. Cutter Guard | 23. Safety Cover-Driving Belt |
| 12. Plastic Knob | |

INTRODUCTION

We thank you for your purchase of a 16" Jointer. 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 running is entirely dependent upon rational use and careful maintenance, which will also spare you time-consuming delays and costly repairs. The following details should accompany and correspondence relating to the machine.

- Serial Number:
- Model Number:
- Manufacture Date:

The model, serial number, and manufacture date will be found on the model plate attached to the machine.

You should record above information and keep in a safe place for future reference.

REPLACE WARNING LABELS IF THEY FALL OFF OR WEAR OFF.



If you received a damaged jointer, immediately contact the dealer that sold you the machine.

Save time and money. Before you request service, check for Trouble Shooting on pages 10, 11. It lists causes of minor operating problems that you can correct yourself.

GENERAL SAFETY RULES

As with all power tools there is a certain amount of hazard involved with the operator and his use of the tool. Using the tool with the respect and caution demanded as far as safety precautions are concerned will considerably lessen the possibility of personal injury. However if normal safety precautions are overlooked or completely ignored, personal injury to the operator can develop.

There are also certain applications for which this tool was designed. We strongly recommend that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written us and we have advised you.

- **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.
- **KEEP GUARDS IN PLACE** and in working order.

- **REMOVE ADJUSTING KEYS AND WRENCHES.**
From habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- **KEEP WORK AREA CLEAN.**
Cluttered areas invite accidents.
- **AVOID DANGEROUS ENVIRONMENT.**
Don't use power tools in damp or wet locations. Keep your work area well illuminated.
- **KEEP VISITORS AWAY.**
All visitors should be kept a safe distance from work area.
- **MAKE WORKSHOP CHILDPROOF.** With padlocks, master switches, or by removing starter keys.
- **DON'T FORCE TOOL.**
It will do the job better and safer at the rate for which it was designed.
- **USE RIGHT TOOL.**
Don't force tool or attachment to do a job which was not designed for.
- **WEAR PROPER APPAREL.**
No loose clothing or jewelry to get caught in moving parts. Rubbersoled footwear is recommended for best footing.
- **USE SAFETY GLASSES.**
Also use face or dust mask if cutting operation is dusty.
- **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.
- **DON'T OVERREACH.**
Keep your proper footing and balance at all times.
- **MAINTAIN TOOLS IN TOP CONDITION.**
Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- **DISCONNECT TOOLS.**
Before servicing and when changing accessories such as blades, bits, cutters, disconnect machine from power source.
- **USE RECOMMENDED ACCESSORIES.**
Consult owner's manual. Use of improper accessories may be hazardous.
- **CHECK FOR DAMAGED PARTS**
Before further use of the tool, a guard or other part that is damaged should be checked to assure 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.

ADDITIONAL SAFETY RULES FOR JOINTERS

1. **KEEP** cutterhead sharp and free of all rust and pitch.
2. **ALWAYS** use a push block when jointing stock that does not give a reasonable distance of safety for your hands.
3. **NEVER PASS HANDS DIRECTLY OVER CUTTERHEAD.**
4. **ALWAYS MAKE SURE THAT REAR CUTTER GUARD IS IN PLACE WHEN JOINTING NEAR THE FRONT EDGE WITH THE FENCE TOWARDS THE FRONT.**
5. **DO NOT** perform jointing operations on material shorter than 8", narrower than 3/4", or less than 1/4" thick.
6. **MAINTAIN** the proper relationship of outfeed table surface and cutterhead knife.
7. **SUPPORT** the work piece adequately at all times during operation. Maintain control of the work at all times.
8. **DO NOT** back the work toward the infeed table.
9. **DO NOT** attempt to perform an abnormal or little used operation without study and the use of adequate hold-down/push blocks, jigs, fixture, stops, etc.
10. **DO NOT** make cuts deeper than 1/8" in a single pass. On cuts more than 1-1/2" wide, adjust depth of cut to 1/16" or less to avoid overloading machine and to minimize chance of kick-back.

UNPACKING AND CLEANING

Carefully unpack the jointer and all loose items from the wooden case. Remove the protective coating from the machine surfaces of the jointer.

This coating may be removed with a soft cloth moistened with Kerosene or solvent (do not use acetone, gasoline or lacquer thinner for this purpose). After cleaning, cover all unpainted surfaces with a good quality paste wax.

LIFTING

Lift the planer on its provided trunnions with a nylon strap suitable to lift 1320 LBS. See Fig. 1

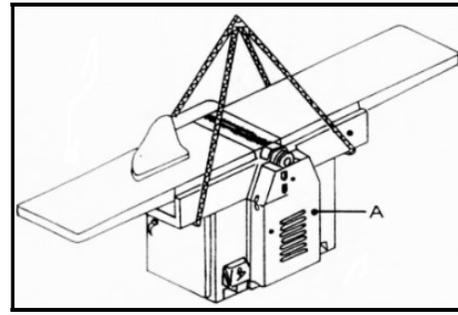


Fig. 1

INSTALLATION REQUIREMENT

Mount machine on a solid foundation, preferably a concrete floor. The machine area should be clean, dry, well ventilated and well lighted.

This machine equipped with noise-eliminating table lips. Even though, the jointer also can create noise during long period of time of operation. The site should be one which minimizes reverberant sound from walls, ceilings and other equipment. Electric facilities should be installed so that they are protected from damaging and exposing. Be sure the machine frame is properly grounded. (See "Power Source Wiring").

Inspection:

1. Cleaning protective coating from all areas and lubricated parts.
2. Before connecting power to the machine, check if all screws are tightened, all mechanical functions work freely, and the cutterhead turns freely without touching the table lips. Periodical or regular inspections are required to insure that the machine is in good condition. Don't let dust accumulate in the electrical enclosures. Be sure that there are no loose or worn electric connections.

Power Source Wiring

CAUTION

Make sure the electrical characteristics are the same between the motor nameplate and the power source. Make sure the power circuit of the jointer is properly fused and that the wire size is correct.

IN ALL CASES, MAKE SURE THE RECEPTACLE IS PROPERLY GROUNDED.

USE QUALIFIED ELECTRICIAN FOR ELECTRICAL CONNECTIONS.

1. Check the motor and switch wiring diagram for proper voltage connections before applying power to the machine.
2. Connect wires between electric connection box and power source. The ground wire must be connected.
Power source: R, S, T
Motor source: R1, S1, T1
Grounding: GR
Please refer to Fig. 2

3. After wire connection is complete turn the drive motor on momentarily to check if it is on the proper direction.
4. Run the machine without cutting for a short period of time to check if that all powered functions are operating properly.

Belt Adjusting

Remove the three knurled nuts and the belt guard for accessing to the drive motor. Lower the motor mount plate on the adjustment screw for desired belt tension. Counter lock adjusting screws (B) See Fig. 3

NOTE: PLEASE CHECK THE V-BELT TENSION AFTER THE FIRST TWO DAYS OF OPERATION. BELTS WEAR DURING INTIAL OPERATION.

Fence Installation

Install the fence on the jointer with the provided 1/2" (12.7mm) cap screws and washers (A) as shown in Fig. 4

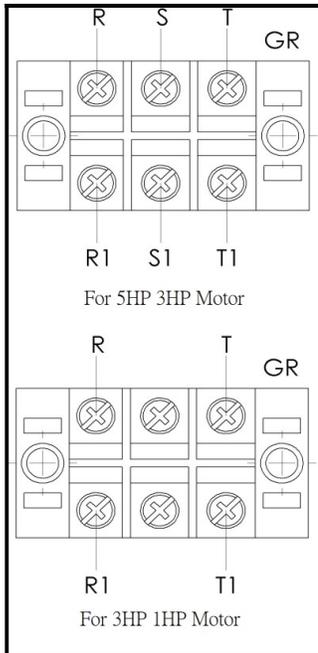


Fig. 2

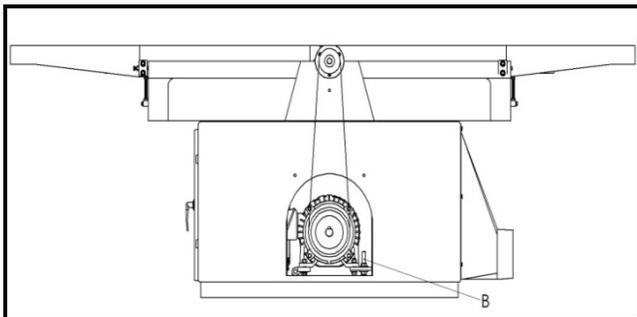


Fig. 3

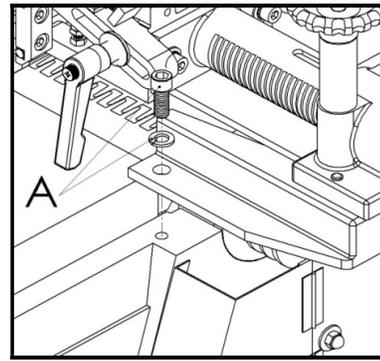


Fig. 4

ADJUSTMENTS AND OPERATION

WARNING

Disconnect machine from the power source before adjusting this machine.

Fence Adjustment

Adjusting fence angles, (refer to Fig. 5)

1. Loosen handle (B), hold knob (C) to open an iron plate at 90 degree.
2. Pull fence (A) backward to obtain the required angle.
3. Locking handle(B). Limitation of fence tilting backward is at the 135° positions. Screw (E) as shown in Fig. 5 is for stopping the fence tilt.
4. The fence is at the stop of 90°; adjust screw (F) for vertical position.
5. Two screws (G) under sliding support are for tilting forward to 45° position as shown in Fig. 5.

Adjusting fence forward / backward

1. Loosen handle (H) Fig. 5
2. Adjust handwheel (I) to meet the position required.
3. Lock handle (H) to fasten fence.

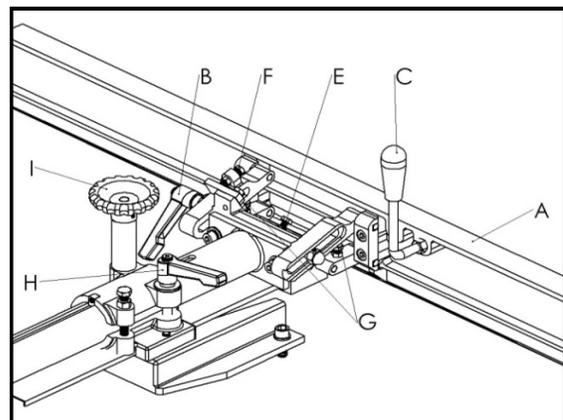


Fig.5

Knives Removing

After a period of using the dull knives should be replaced or reground. To remove the knives,

1. Release lock screws (C) on knife (A) and knife gib (B) Fig. 6.
2. Remove the knife and knife gib.
3. Remove two springs (D) placed below the knife (A).

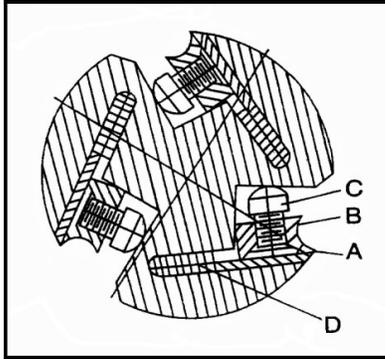


Fig. 6

- A. Knife
- B. Knife gib
- C. Lock screw of knife gib
- D. Knife lifting spring

Knives Setting

If the knives are removed from the cutterhead for replacement or regrinding, care must be used in re-setting them, process as follows:

1. DISCONNECT MACHINE FROM POWER SOURCE.
2. Pull hand lever (A) to lower infeed table as shown in Fig. 7
3. Place setting gauge on table with $5/64$ " or $.080$ " gap between cutterhead. Use feeler gage or dial indicator for accurate setting. Fig. 8
4. Slip knife and knife gib (B) into place and tighten lock screws (C) lightly. Fig. 9
5. Rotate cutterhead backwards by hand and adjust knife until it just touches the gauge (D). Fig. 9
6. Using a bar to check knife at both end so that it is parallel to table surface then tighten the screws.
7. Insert the other two knives and repeat above instructions.
8. Recheck knife setting by rotating cutterhead

WARNING

LOOSE GIB SCREWS CAN RESULT IN KNIVES BEING THROWN OUT OF THE CUTTERHEAD CAUSING SEVERE DAMAGE TO THE MACHINE AND POSSIBLE SERIOUS OR FATAL INJURY TO THE OPERATOR OR BYSTANDERS.

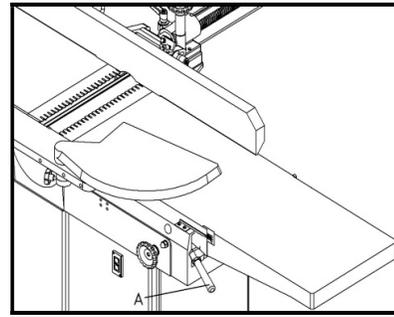


Fig. 7

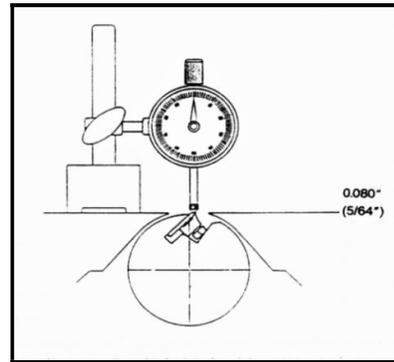


Fig. 8

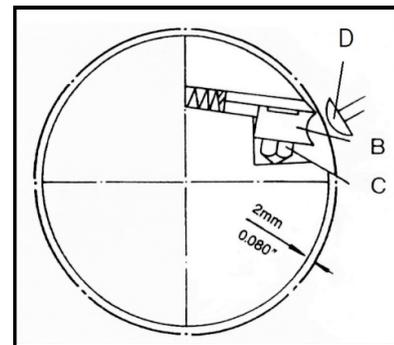


Fig. 9

Outfeed Table and Knife Adjustment

For accurate work in most jointing operations, outfeed table must be exactly level with the knives at their highest point. This means, that the knives must be parallel to the table and project equally from the cutterhead.

To check these alignments proceed as follows:

1. DISCONNECT THE JOINTER FROM POWER SOURCE.
2. Raise or lower the outfeed table as required, until the outfeed table is exactly level with the knives of the cutterhead at their highest point of revolution.
3. Place a straight gage (B) on the outfeed table, extending over the cutterhead as shown in Fig. 10
4. Rotate the cutterhead by hand. Loosen the lock screws in the knife gib slightly, shift the knife until it just touches the

straight gage (B), and tighten the screws securely.

After the outfeed table has been set at the correct height, it should not be changed except for special operations.

1
If the outfeed table is too high, the result will be as shown in Fig. 11. The finished surface will be curved.

If the outfeed table is too low, the condition will be as illustrated in Fig. 12. The work will be gouged at the end of the cut.

As a final check of the outfeed table adjustment, run a piece of wood slowly over the knives for 6 to 8 inches should rest firmly on both tables as shown Fig. 13 with no open space under the finished cut.

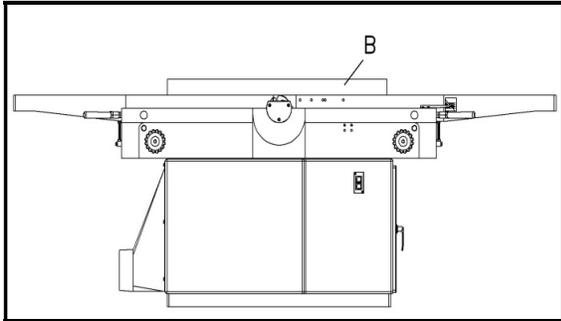


Fig.10

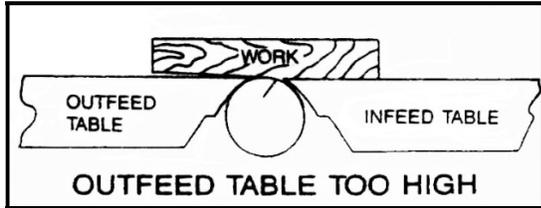


Fig. 11

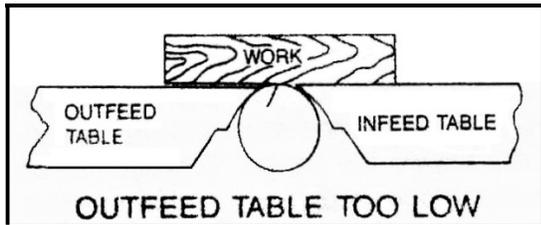


Fig.12

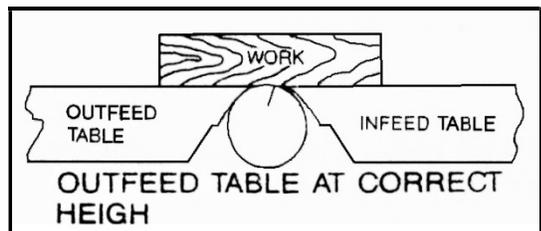


Fig. 13

The Depth of Cut

The thickness which will be cut out is determined by the distance between the height of infeed table and knife tip of cutterhead.

1. Loosen table lock (C) Fig. 14
2. Push or pull hand lever (A) to raise or lower table, gage (B) shows the distance the table has been raised or lowered as shown in Fig. 13
3. Maximum cutting capacity of this jointer is 3/4" each time.

The following directions will give the beginner a start on jointer operation. Use scrap pieces of lumber to check settings and to get the feel of the operations before attempting regular work.

ALWAYS USE GUARD AND KEEP HANDS AWAY FROM CUTTERHEAD.

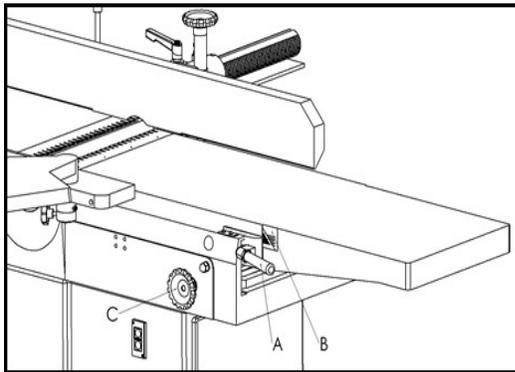


Fig. 14

Placement of hands During Feeding

First use left hand holds the work firmly against the infeed table and fence while the right hand pushes the work toward the knives. Through the cutterhead the new surface rests firmly on the outfeed table as shown in Fig. 15. Then the left hand should press down at the same time keep it contacting with the fence. Before the right hand almost touches the cutterhead, it should move to the work piece which already on outfeed table.

NEVER PASS THE HAND DIRECTLY OVER THE CUTTERHEAD.

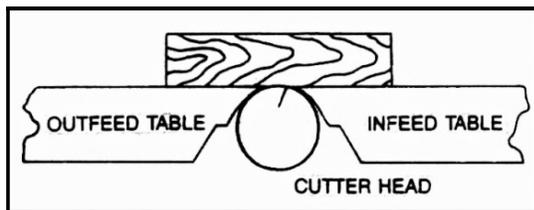


Fig. 15

Jointing an Edge

This is the most common operation for the jointer. Set guide fence square with the table. Depth of cut should be the minimum required to obtain a straight edge. Hold the best face of the piece firmly against the fence throughout the feed.

Jointing Warped Pieces

When joint short or thin pieces, use a push block to eliminate all danger to the hands. Two types are shown in Fig. 16. Push blocks are easily made from scrap material.

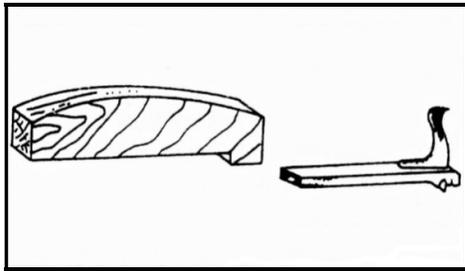


Fig. 16

Direction of Grain

Feeding against the grain will cause chipping and splintering edges.

Fig. 17

Feeding with the grain obtain a smooth surface as shown in Fig. 18.

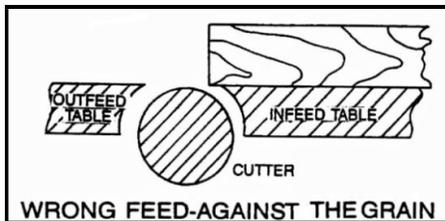


Fig. 17

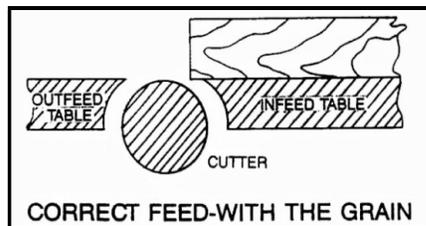


Fig. 18

Beveling

To cut a bevel, lock the fence at the required angle and run the work across the knives while keeping it firmly against the fence and table. Several passes may be necessary to arrive at the desired result.

WARNING

ALWAYS USE GUARD AND KEEP HANDS AWAY FROM CUTTERHEAD!!

CAUTION

1. NEVER CHANGE THE POSITION OF THE OUTFEED TABLE UNLESS IT IS FOR SPECIAL APPLICATIONS.
2. KEEP OUTFEED TABLE AT ALL TIMES LEVELING WITH KNIFE EDGE.
3. CHECK ALL SCREWS AND FASTENERS OCCASIONALLY AND KEEP THEM TIGHTENED SECURELY.

CUTTERHEAD MAINTENANCE AND SERVICE

Cutterhead Service

The entire cutterhead assembly may be removed for cleaning, bearing or blade replacement or any other cutterhead maintenance procedures. To remove it, lower both feed tables to clear the cutterhead. Remove the bearing, loosen stud and remove the entire cutterhead assembly with bearings, studs and bearing housings. When re-installing, be sure the curved seats of the base casting are free of dirt, dust, grease, etc.

Repair cutterhead process as follow:

1. DISCONNECT MACHINE FROM POWER SOURCE.
2. Lower infeed and outfeed tables.
3. Loosen square head screw (1), take out knife gib (2), knife (3) and lifting spring (4). Fig.19
4. Loosen two studs (5), remove the cutterhead assembly. Fig.20
5. Loosen lock screw (6) and pull out belt pulley (7) and key (8). Fig.20
6. Take down screw (9) on both sides and also bearing cover (10). Fig.20
7. Remove bearing housing (11), bearing (12) and the cutterhead (13). Fig.20
8. To re-install the cutterhead, just reverse above procedures.

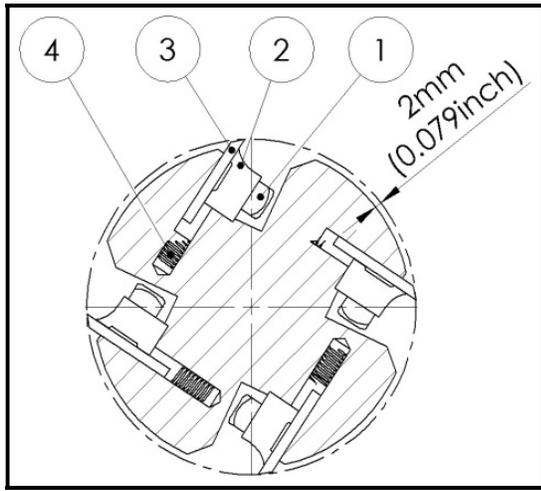


Fig. 19

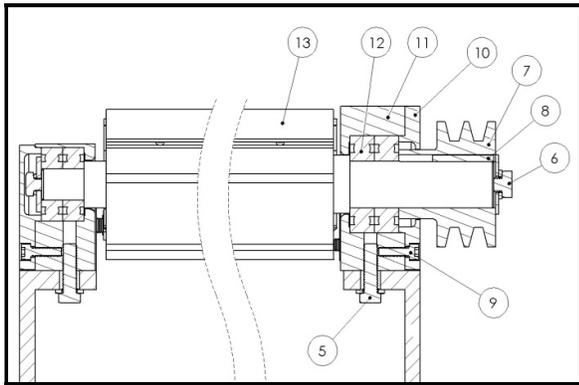


Fig. 20

1. Square head screw
2. Knife gib
3. Knife
4. Lifting spring
5. Stud
6. Lock screw
7. Belt pulley
8. Key
9. Screw
10. Bearing cover
11. Bearing housing
12. Bearing
13. Cutterhead

Whetting Knives:

After considerable use, the knives will become dull and it won't be able to do job accurately. Unless badly damaged by running into metal or other hard material, they may be sharpened as follows:

1. DISCONNECT THE MACHINE FROM POWER SOURCE.
2. Use a fine carborundum stone; cover it partly with paper as indicated as shown in Fig. 21 to avoid marking the table.
3. Lay the stone on the infeed table, lower the table and turn the cutterhead forward until the stone lies flat on the bevel of the knives as shown.
4. Hold the cutterhead from turning, and whet the beveled edge

of the knife, stroking lengthwise by sliding the stone back and forth across the table.

5. Do the same amount of whetting on each of the three blades.

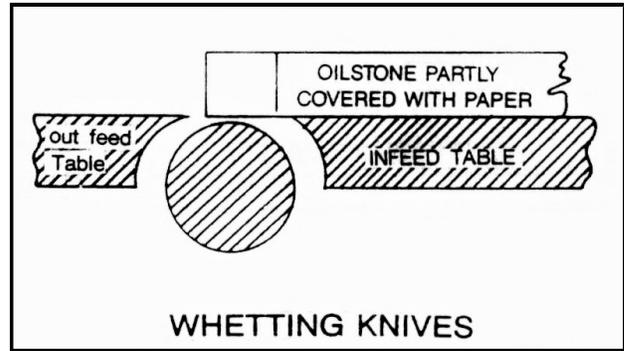


Fig. 21

Blade Care

When blades become dull enough so that it is noticeable when cutting, they should be resharpened. A sharp blade works easier and results in longer blade life. The penalty paid for a dull blade is less blade life; poor finish and wear on all parts of the machine.

When the knives cannot be properly retouched as described in "Whetting Knives", they must be ground for a sharp edge without nicks.

IF THE JOINTER IS USED OFTEN KEEP A SPARE SET OF BALADES ON HAND AT ALL TIMES.

Gum and pitch which collets on the blades cause excessive friction as the work continuous, resulting in over heating the blades, less efficient cutting, and consequently loss of blade life. Use "Gum and Pitch Remover" to wipe off the blades.

MAINTENANCE

In time rust may appear on the table and fence and other parts of the jointer, resulting in less efficiency and accuracy of the machine. Use paste wax which can be applied to prevent rust formation. If, however, rust has already formed on these parts, use "Rust Remover" which will restore the machine to its original accuracy when applied.

LUBRICATION

The cutterhead runs in two single rows sealed and shielded ball bearings, which are pre-lubricated for their entire life.

TROUBLE SHOOTING:

Symptom	Possible Causes And Corrections
1. Finished stock is concaved on the end.	<ul style="list-style-type: none"> ● Check whether the knife tip is higher than outfeed table. ● Raise outfeed table so that the surface and knife tip line are on same level as shown in Fig. 22
2. Back end of the finished stock is thicker than front side.	<ul style="list-style-type: none"> ● Check if the outfeed table is higher than knife tip line. ● Adjust rear table to align with knife tip line as shown if Fig. 23

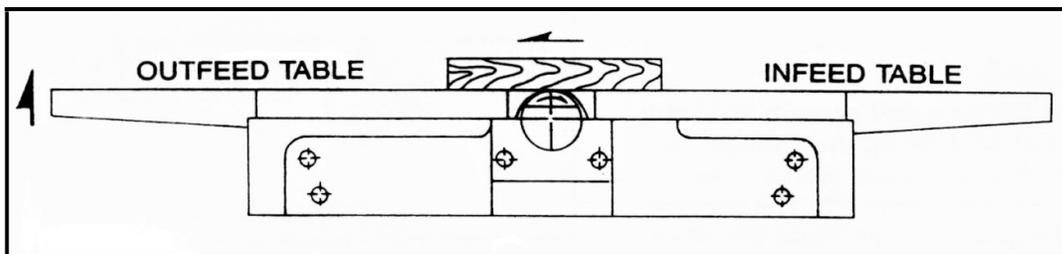


Fig. 22

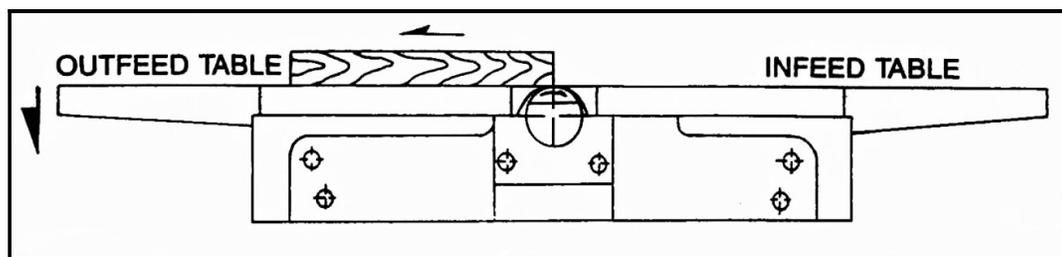


Fig. 23

TROUBLE SHOOTING (CONTINUED)

Symptom	Possible Causes And Corrections
3. There is concave in the middle of finished stock.	<ul style="list-style-type: none"> ● Check if the ends of both tables have a little fall. ● To raise them adjust the screws which are four corners under table as shown in Fig. 24, 26
4. Two tables are not in line.	<ul style="list-style-type: none"> ● Adjust screws with nuts located at four corner under the tables as shown in Fig. 24
5. Two ends of finished stock are cut more than the middle.	<ul style="list-style-type: none"> ● Check if the ends of two tables are higher than the middle. ● Lower both table ends by adjusting screws under the tables as shown in Fig. 24 & Fig. 25

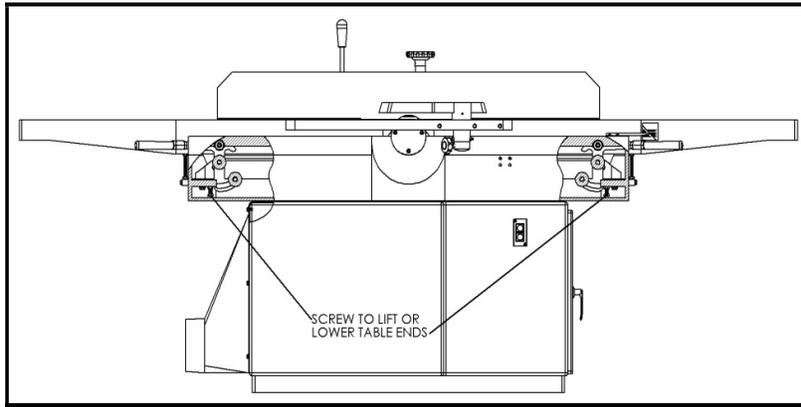


Fig. 24

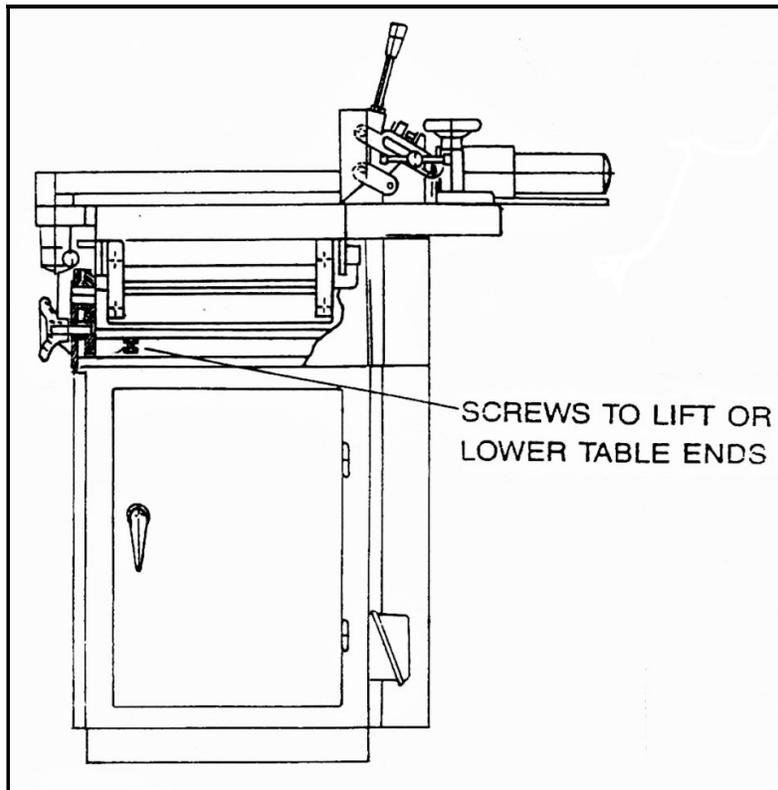


Fig. 25

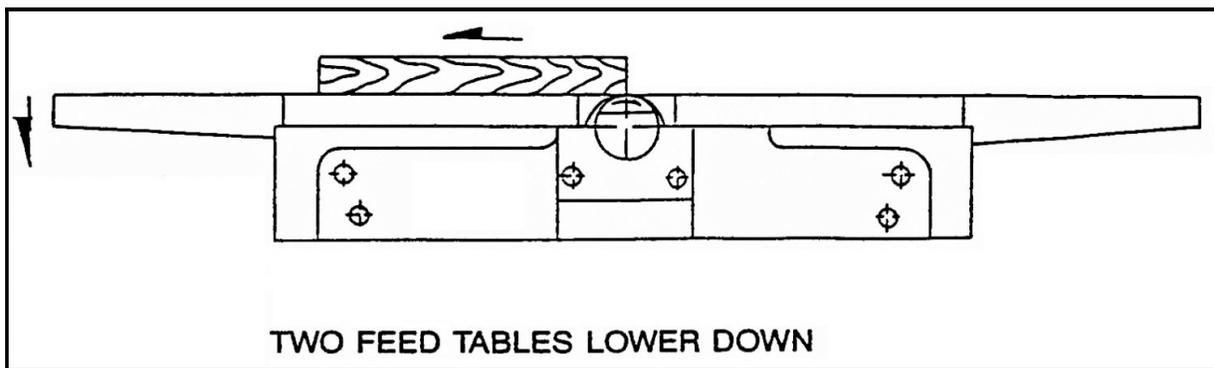
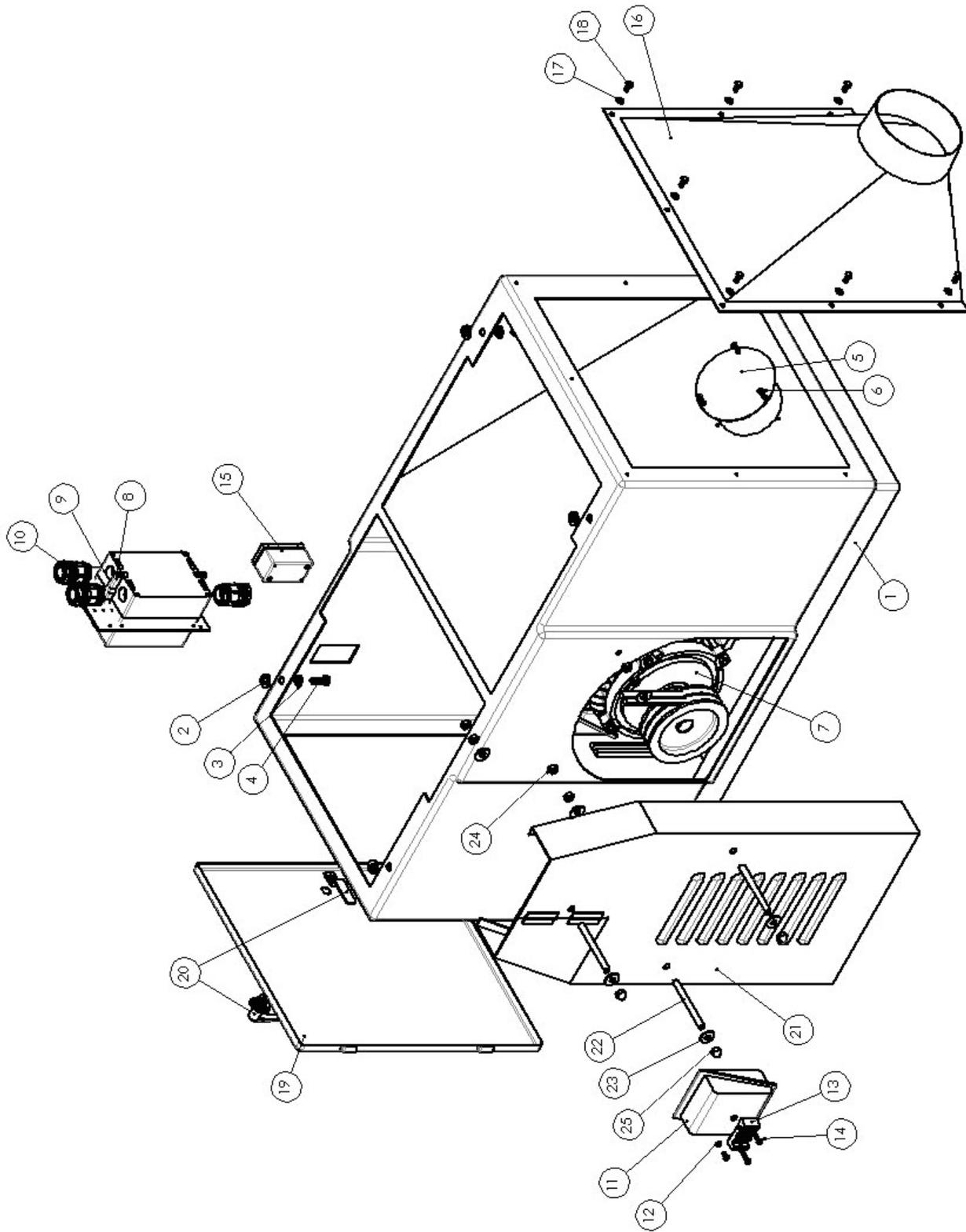


Fig.26

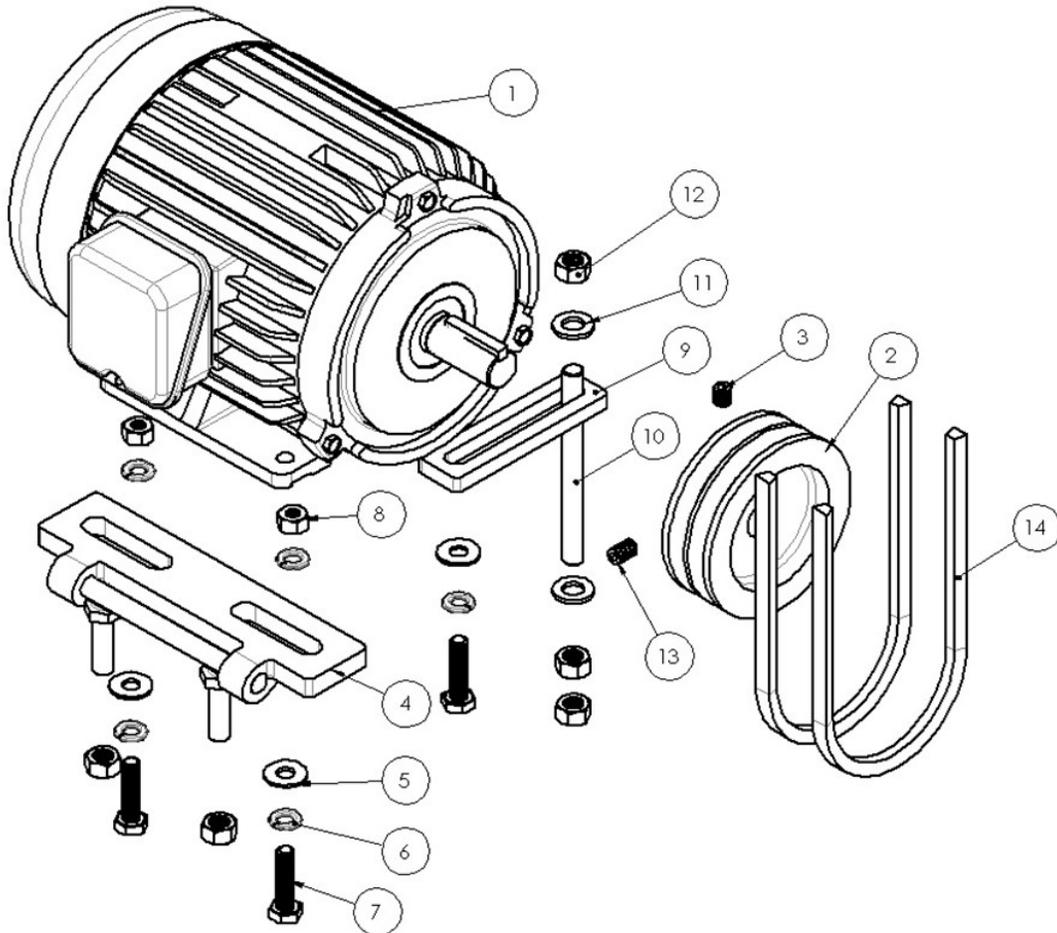
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C002009	Stand	1
2	P066001	Washer, Φ 12	4
3	S284023	Spring Washer, Φ 3/8	4
4	S100003	Hex. Head Screw, 3/8"-16NC	4
5	C074013	Cover, Dust Chute	1
6	S239003	Screw, Dust Chute, 3/16"-24NC	5
7	T004014	Assembly, Motor Pulley, 2P-3HP	1
*	T004041	Assembly, Motor Pulley, 2P-5HP	1
*	T004052	Assembly, Motor Pulley, 2P-7 1/2HP	1
8	C022027	Plate, Switch	1
9	P074013P18	Contactora, HKP-18	1
10	P092303	Plastic bushing gland, M-25	3
11	S312001	Box, Junction	1
12	S284025	Spring Washer, Φ 3/16	2
13	S313001	Strip, Terminal, 30A	1
14	S239007	Screw, Dust Chute, 3/16"-24NC	2
15	P082001	Switch, PP-2	1
16	C077026	Hood, Dust	1
17	S284024	Spring Washer, Φ 1/4	7
18	S098001	Hex. Head Screw, 1/4"-20NC	7
19	C073031	Door, Access	1
20	P027001	Assembly, Handle	1
21	C074027	Cover, Pulley	1
22	C034034	Screw, 3/8"-16NC	3
23	S282052	Washer, Φ 3/8" x Φ 25	6
24	S273091	Nut, 3/8"-16NC	6
25	S277001	Nut, 3/8"-16NC	3



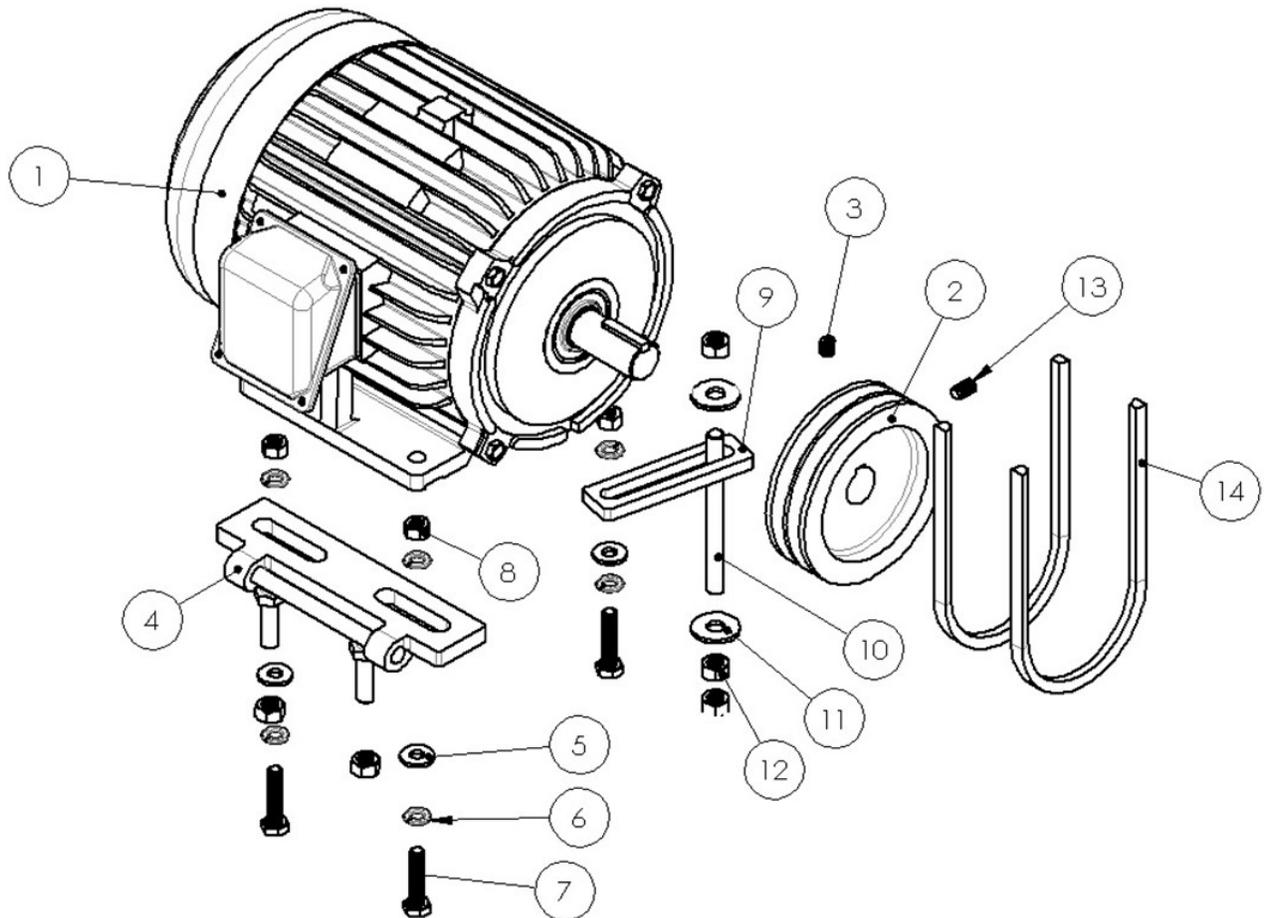
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	P041205R	Motor,2P 3HP(2.2KW).R	1
*	P040205R	Motor,2P 3HP(2.2KW).R	1
2	C064038	Pulley,3HP 50HZ	1
*	C064019	Pulley,3HP 60HZ	1
3	S214013	Fixed Screw,M10-P1.5	1
4	C063054	Bracket, Motor	1
5	S282011	Washer,Φ10.5	3
6	S284008	Spring Washer,Φ10.2	6
7	S137040	Hex. Head Screw,M10-P1.5	3
8	S273010R	Nut,M10-P1.5	3
9	C015033	Plate	1
10	C048005	Rod	1
11	S282012	Washer,Φ13	2
12	S273012R	Nut,M12-P1.75	6
13	S214014	Fixed Screw,M10-P1.5	1
14	S300053	Belt,A-53"L	2
*	S300056	Belt,A-56"L	2



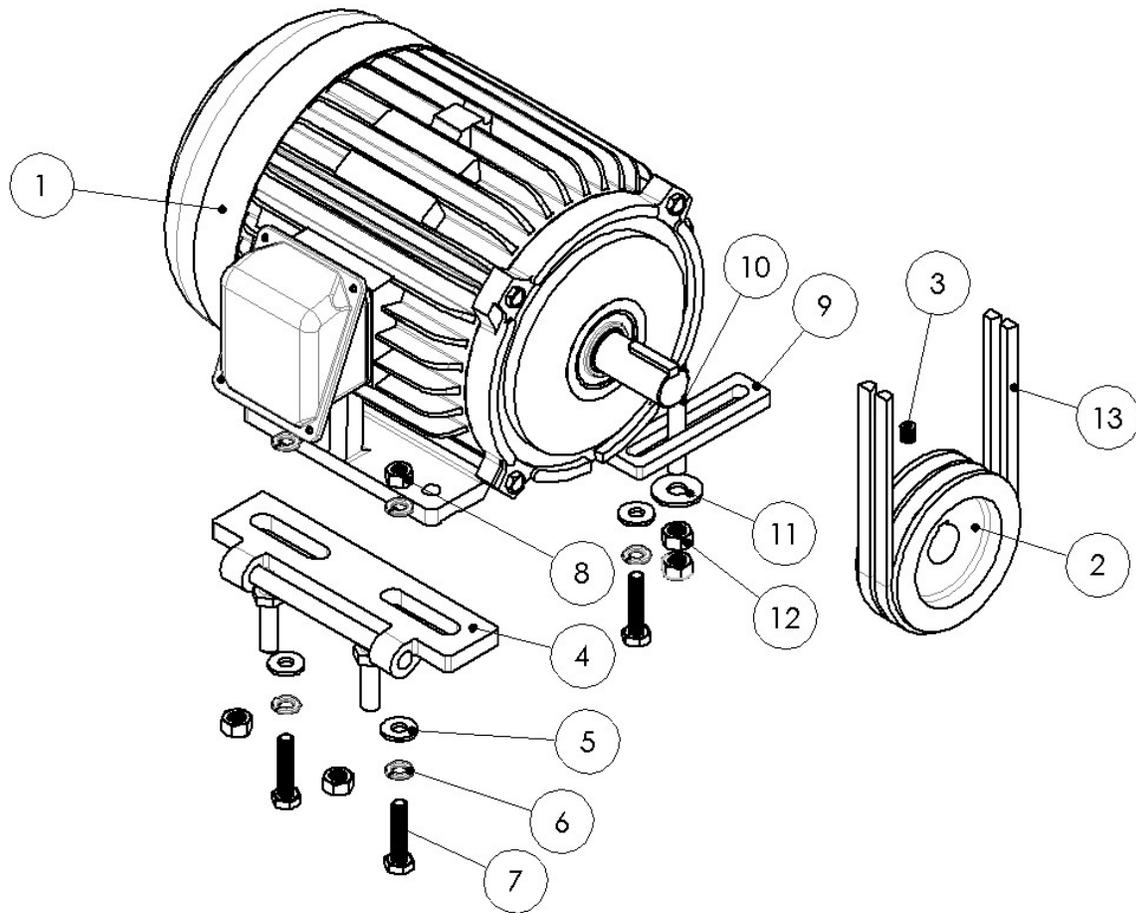
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	P041206R	Motor,2P 5HP(3.7KW).R	1
*	P040206R	Motor,2P 5HP(3.7KW).R	1
2	C064039	Pulley,Φ 139.7x58L;5HPx2P,50HZ	1
*	C064040	Pulley,Φ 114.3x58L,5HPx2P,60HZ	1
3	S214013	Fixed Screw,M10-P1.5	1
4	C063054	Bracket, Motor	1
5	S282011	Washer,Φ 10.5	3
6	S284008	Spring Washer,Φ 10.2	6
7	S137045	Hex. Head Screw,M10-P1.5	3
8	S273010R	Nut,M10-P1.5	3
9	C015033	Plate	1
10	C048005	Rod	1
11	S282012	Washer,Φ 13	2
12	S273012R	Nut,M12-P1.75	6
13	S214014	Fixed Screw,M10-P1.5	1
14	S300055	Belt,A-55"L	2



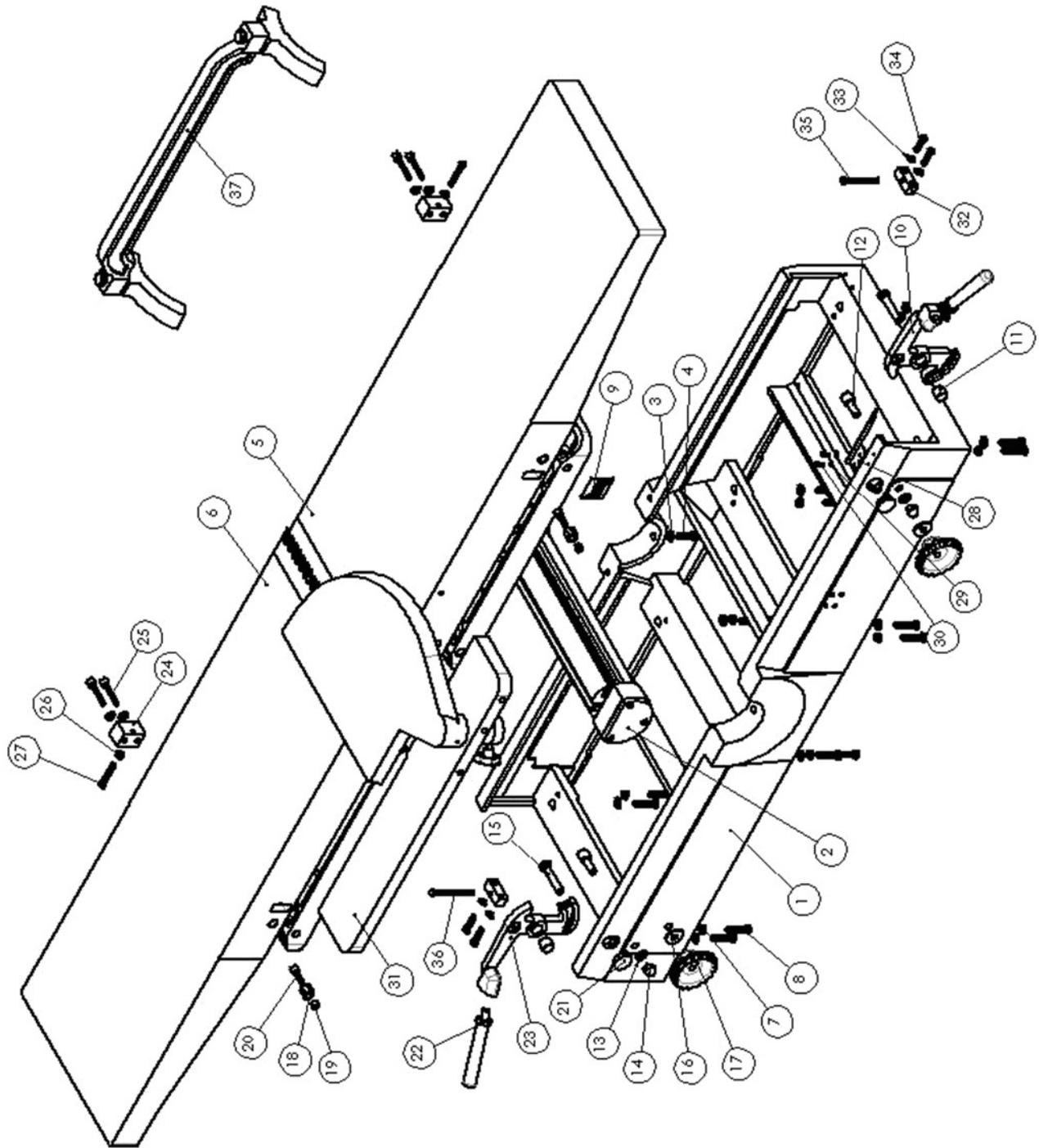
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	P039127R	Motor,2P7 1/2HP(5.5KW).R	1
2	C064039	Pulley,Φ 114.3x58L,7 1/2HPx2P,60HZ	1
*	C064040	Pulley,Φ 139.7x58L,7 1/2HPx2P,50HZ	1
3	S214013	Fixed Screw,M10-P1.5	2
4	C063054	Bracket, Motor	1
5	S282011	Washer,Φ 10.5	3
6	S284008	Spring Washer,Φ 10.2	6
7	S137045	Hex. Head Screw,M10-P1.5	3
8	S273010R	Nut,M10-P1.5	3
9	C015033	Plate	1
10	C048005	Rod	1
11	S282012	Washer,Φ 13	2
12	S273012R	Nut,M12-P1.75	6
13	S300051	Belt,A-51"L	2



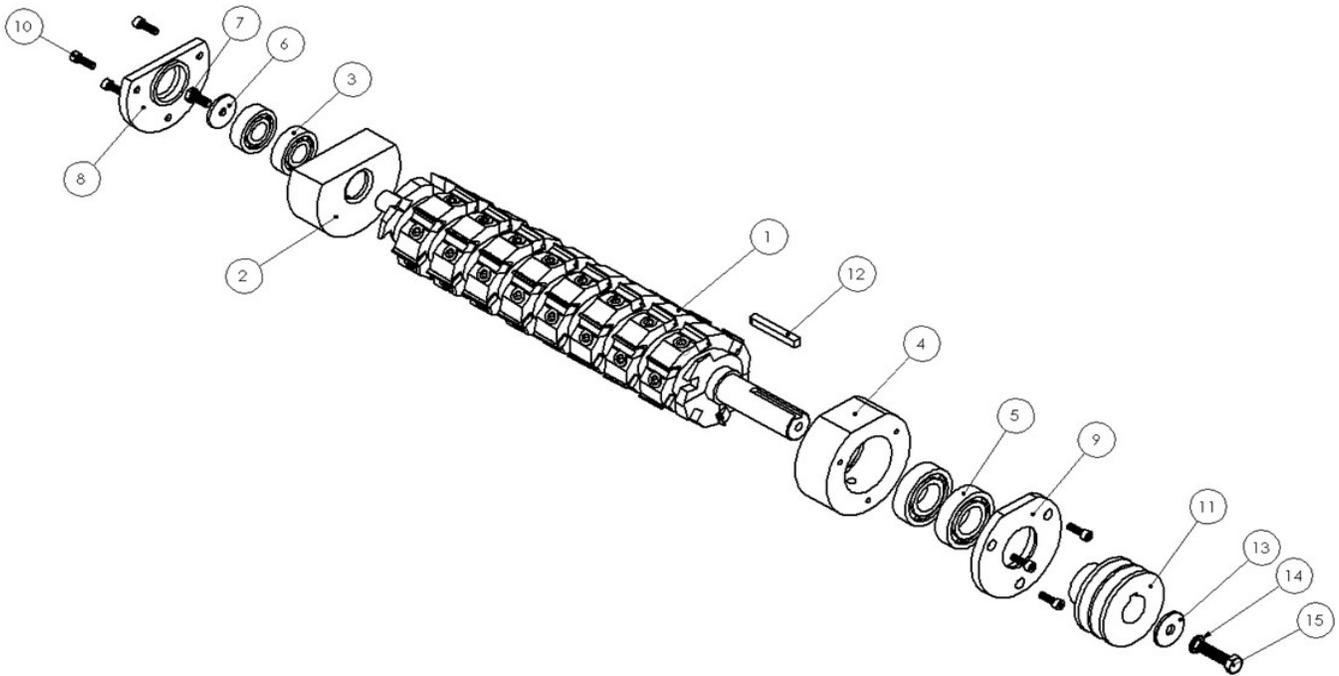
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C004047	Table Base	1
2	T001026	Cutterhead Assembly	1
3	S284023	Spring Washer, Φ 3/8	14
4	S100004	Hex. Head Screw, 3/8"-16NC	2
5	T012037	Infeed Table Assembly	1
6	T012038	Outfeed Table Assembly	1
7	S273091	Nut, 3/8"-16NC	10
8	S100006	Hex. Head Screw, 3/8"-16NC	16
9	P108102	Plate, Measure	1
10	C057039	Handle, Table Raising (L)	1
11	P051001	Bushing, Φ 19.05	2
12	C046086	Hand Shaft	2
13	S284022	Spring Washer, Φ 1/2	2
14	S277002	Nut, Φ 1/2	2
15	C034142	Lock Bolt, 1/2"-12NCx2	2
16	S282054	Washer, Φ 1/2"	2
17	C057041	Handwheel	2
18	C052083	Collar	2
19	C052084	Bushing	2
20	S186006	Hex. Head Screw, 3/8"-16NC	2
21	P089108	Hole Plugs, HP-30	2
22	C057031	Handle	2
23	C057045	Handle, Table Raising (R)	1
24	C020062	Block	2
25	S186010	Hex. Head Screw, 3/8"-16NC	4
26	S273090	Nut, 5/16"-18NC	4
27	S099007	Hex. Head Screw 5/16"-18NC	2
28	C070006	Indicator	1
29	S284025	Spring Washer, Φ 3/16	2
30	S239004	Screw, Dust Chute, 3/16"-24NC	2
31	T025019	Cover Assembly, Cutterhead	1
32	C016116	Support, Table Fall	2
33	S284021	Spring Washer, Φ 5/16	4
34	S099004	Hex. Head Screw, 5/16"-18NC	4
35	S099011	Hex. Head Screw, 5/16"-18NC	1
36	S099013	Hex. Head Screw, 5/16"-18NC	1
37	T029003	16" Gage	1



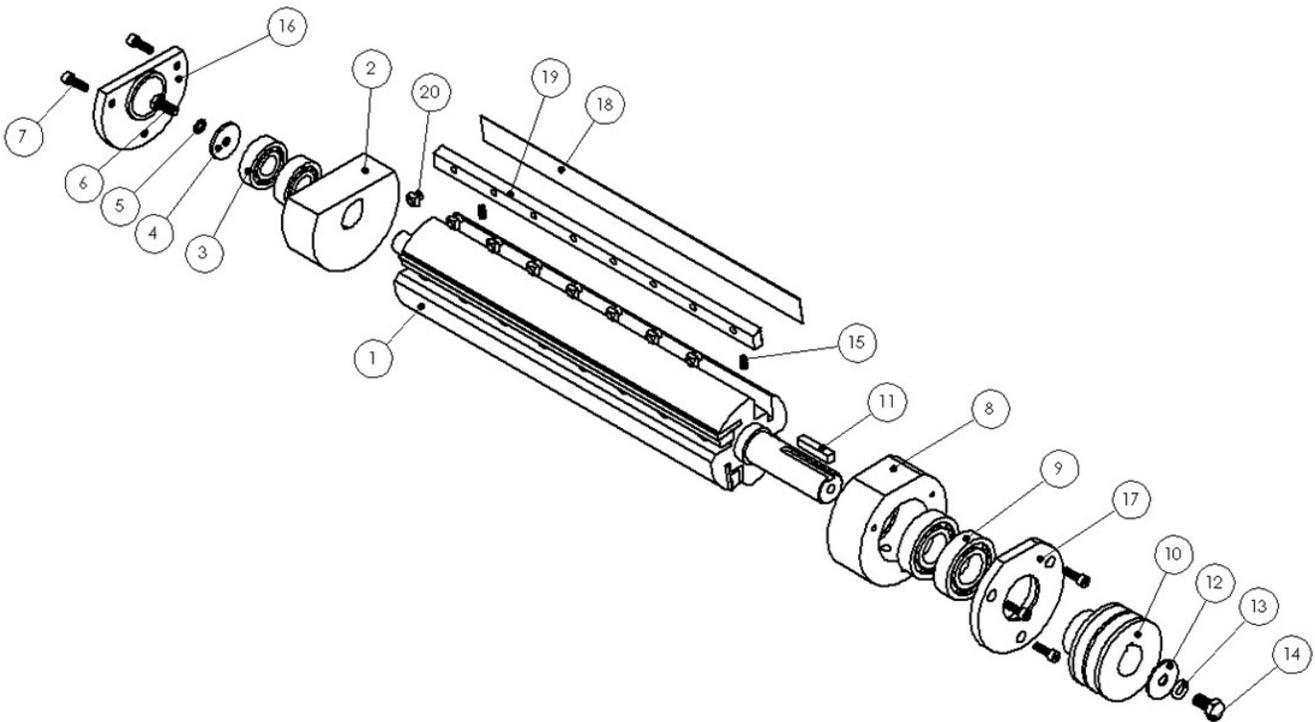
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	P052002	Helical Cutterhead, $\Phi 96 \times 549.5L(403L)$	1
2	C009024	Support, Bearing (LH)	1
3	S026204ZZ	Bearing, 6204ZZ $\Phi 20 \times \text{§} 47 \times 14$	2
4	C009025	Support, Bearing(RH)	1
5	S026206ZZ	Bearing, 6206ZZ. $\Phi 30 \times \text{§} 62 \times 16$	2
6	C053071	Washer, $\Phi 8$	1
7	S136620	Hex. Head Screw, M8-P1.25	1
8	C010007	Support, Cover (LH)	1
9	C010008	Support, Cover (RH)	1
10	S201020	Hex. Head Screw, M6-P1.0	6
11	C064020	Pulley	1
12	S003178	Key	1
13	S282113	Washer, $\Phi 10.5$	1
14	S284008	Spring Washer, $\Phi 10.2$	1
15	S137640	Hex. Head Screw, M10-P1.5	1



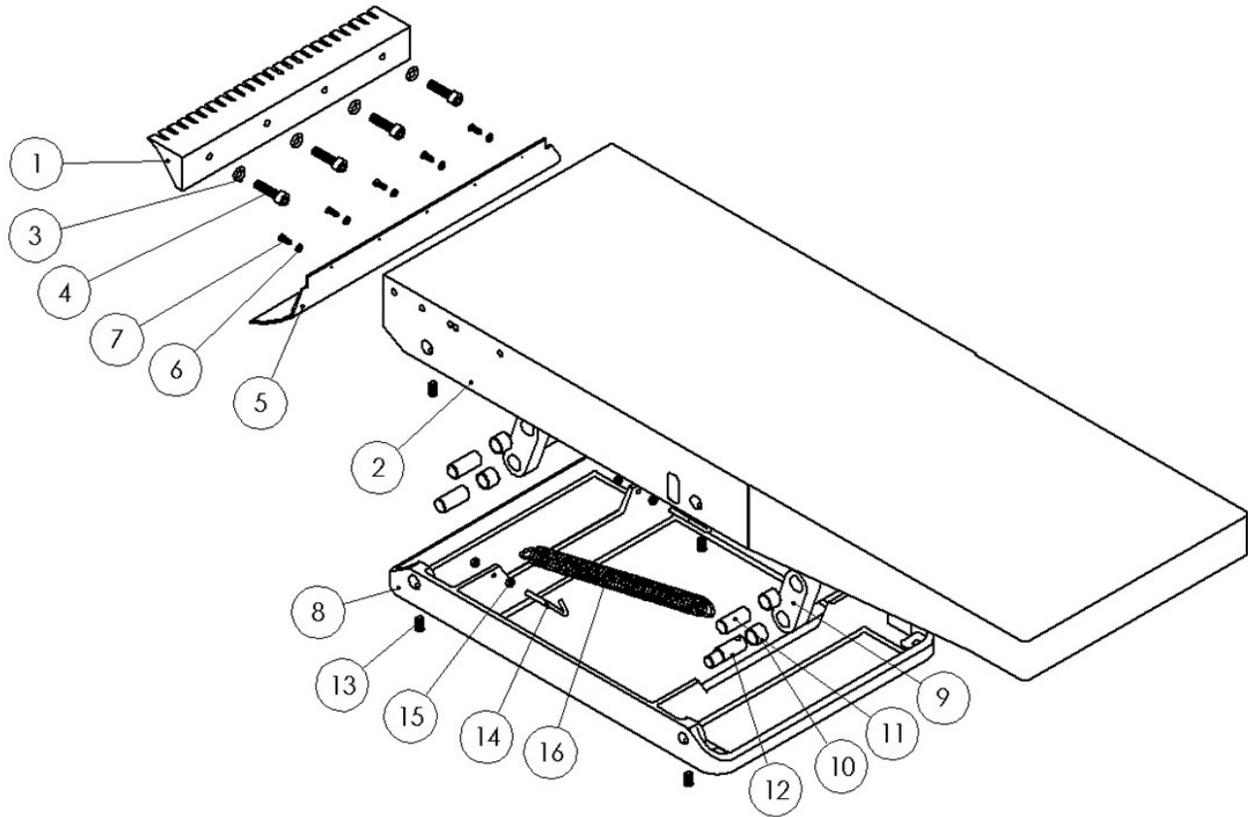
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C011012	Cutterhaed	1
2	C009024	Support, Bearing (LH)	1
3	S026204ZZ	Bearing,6204ZZ Φ20x Φ47x14	2
4	C053071	Washer, Φ9	1
5	S284007	Spring Washer, Φ8.2	1
6	S136020	Hex. Head Screw,M8-P1.25	1
7	S201020	Hex. Head Screw,M6-P1.0	6
8	C009025	Support, Bearing(RH)	1
9	S026206ZZ	Bearing,6206ZZ. Φ30x Φ62x16	2
10	C064020	Pulley	1
11	S003174	Key	1
12	S282049	Washer, Φ11	1
13	S284008	Spring Washer, Φ10.2	1
14	S137020	Hex. Head Screw,M10-P1.5	1
15	C060014	Spring	8
16	C010007	Support,Cover (LH)	1
17	C010008	Support, Cover (RH)	1
18	P054007	Knife	4
19	P056008	Knife, Gib	4
20	P056105	Square Head Screw,5/16"-18NC	32



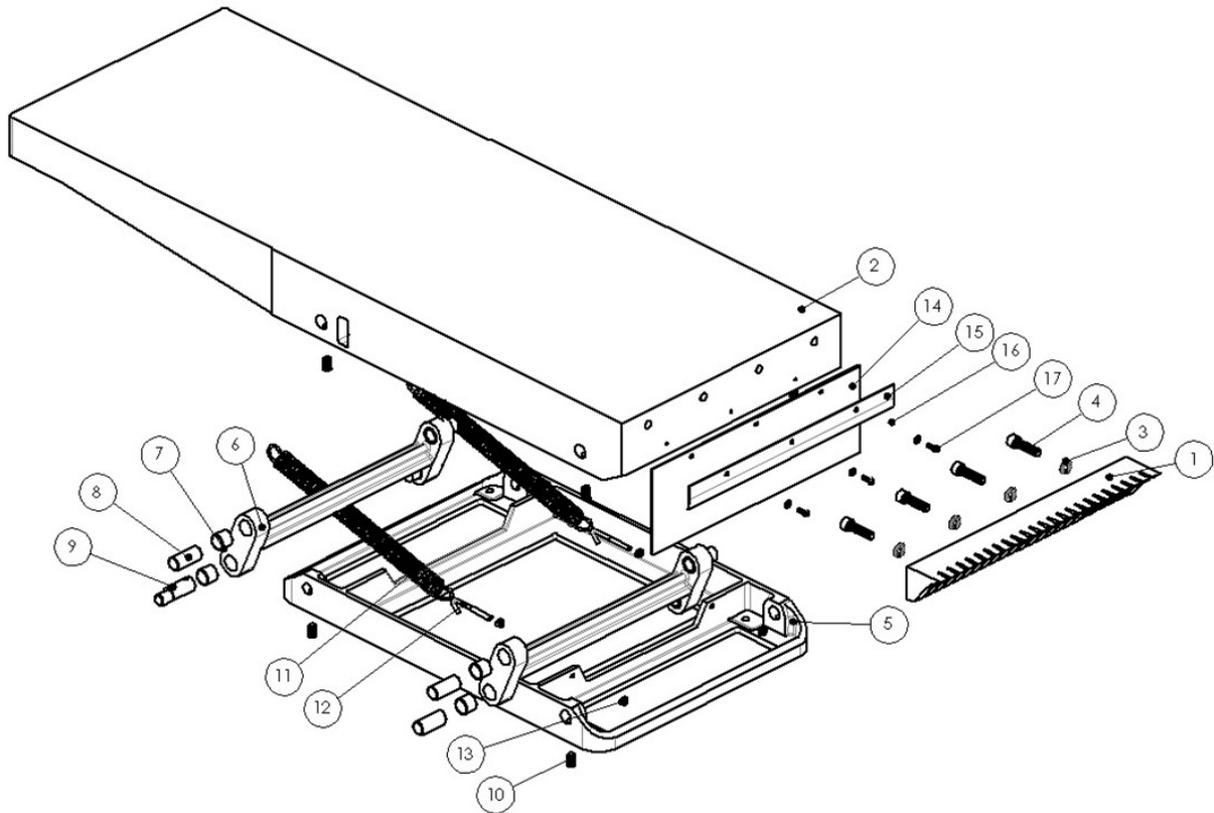
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C087004	Table Lip	1
2	C006040	Infeed table	1
3	S284008	Spring Washer, Φ 10.2	4
4	S203040	Hex. Head Screw, M10-P1.5	4
5	C008024	Rubber Pad, Dust Free	1
6	S282008	Washer, Φ 5.3	5
7	S225016	Screw, Dust Chute, M5-P0.8	5
8	C017079	Support	1
9	C048057	Bar, Table Elevator	2
10	P051001	Bushing, Φ 19.05	8
11	C046088	Shaft	6
12	C046087	Shaft, Rear	2
13	S214002	Fixed Screw, M10-P1.5	8
14	S326001	Screw, For Spring 1/4"	2
15	S273089	Nut, 1/4"-20NC	4
16	C060019	Spring	2



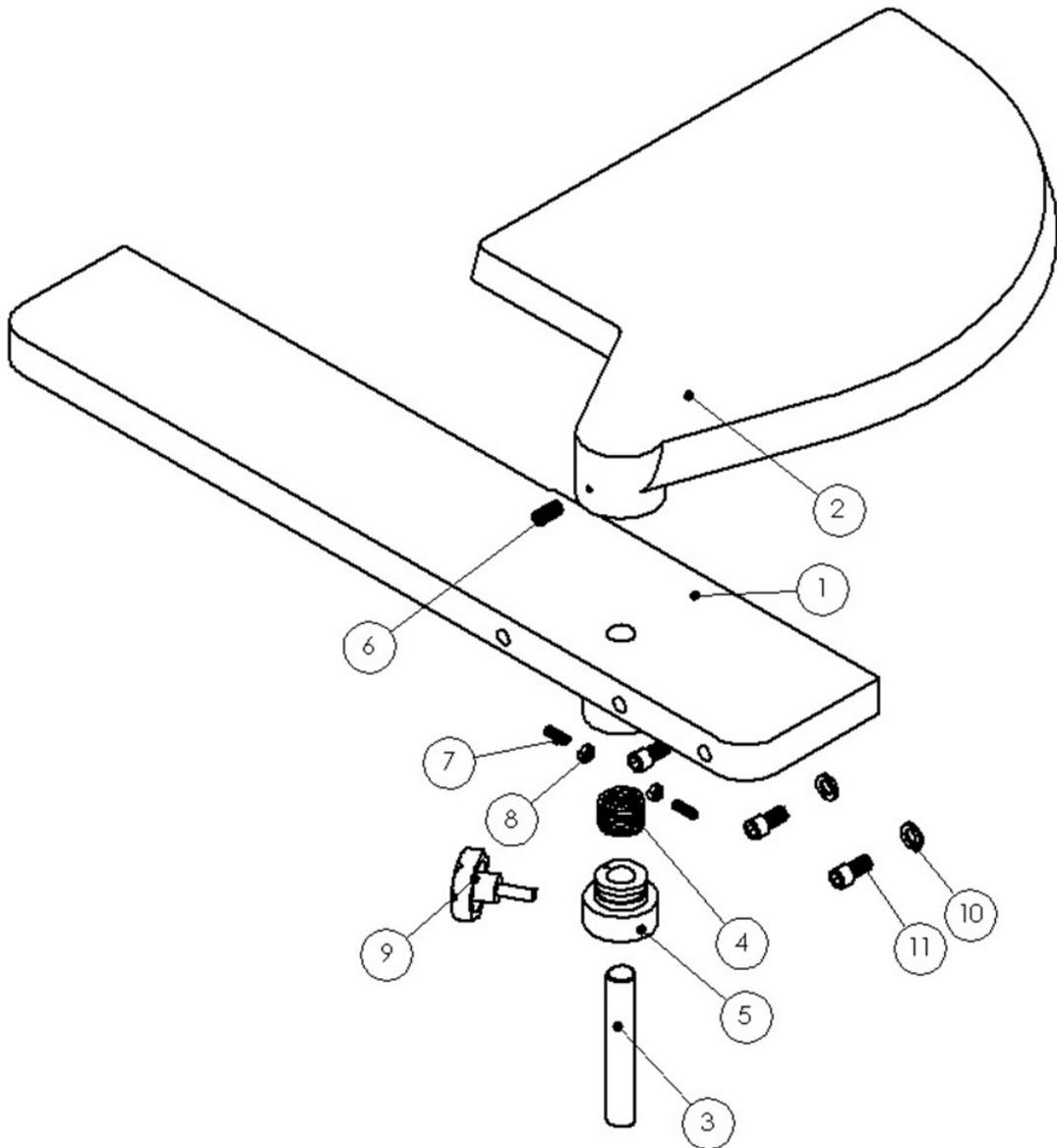
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C087004	Table Lip	1
2	C006058	Outfeed Table	1
3	S284008	Spring Washer, Φ 10.2	4
4	S203040	Hex. Head Screw, M10-P1.5	4
5	C017079	Support	1
6	C048057	Bar, Table Elevator	2
7	P051001	Bushing, Φ 19.05	8
8	C046088	Shaft	6
9	C046087	Shaft, Rear	2
10	S214002	Fixed Screw, M10-P1.5	8
11	C060019	Spring	2
12	S326001	Screw, For Spring, 1/4"	2
13	S273089	Nut, 1/4"-20NC	4
14	C008081	Rubber Pad, Dust Free	1
15	C102007	Plate, Rubber Pad	1
16	S282008	Washer, Φ 5.3	3
17	S225016	Screw, Dust Chute, M5-P0.8	3



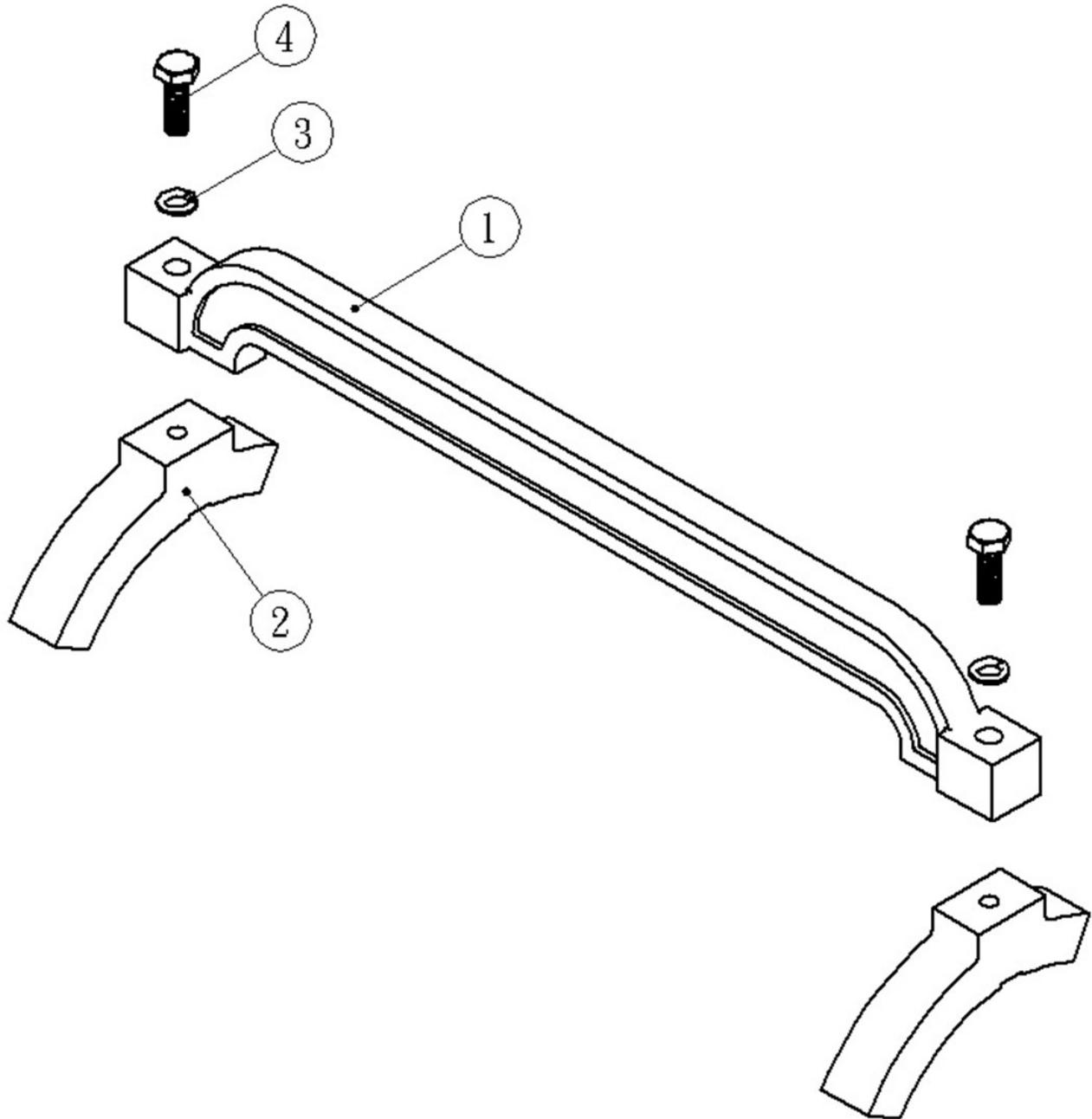
PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C015079	Ledge, Table	1
2	C075054	Guard	1
3	C046025	Collar, Shaft	1
4	C060018	Shaft	1
5	C051033	Spring	1
6	S196006	Fixed Screw, 3/8"-16NC	1
7	S194006	Fixed Screw, 1/4"-20NC	2
8	S273089	Nut, 1/4"-20NC	2
9	P031005	Knob, 5/16"-18NC	1
10	S284023	Spring Washer, Φ 3/8	3
11	S186005	Hex. Head Screw, 3/8"-16NC	3



PARTS LIST:

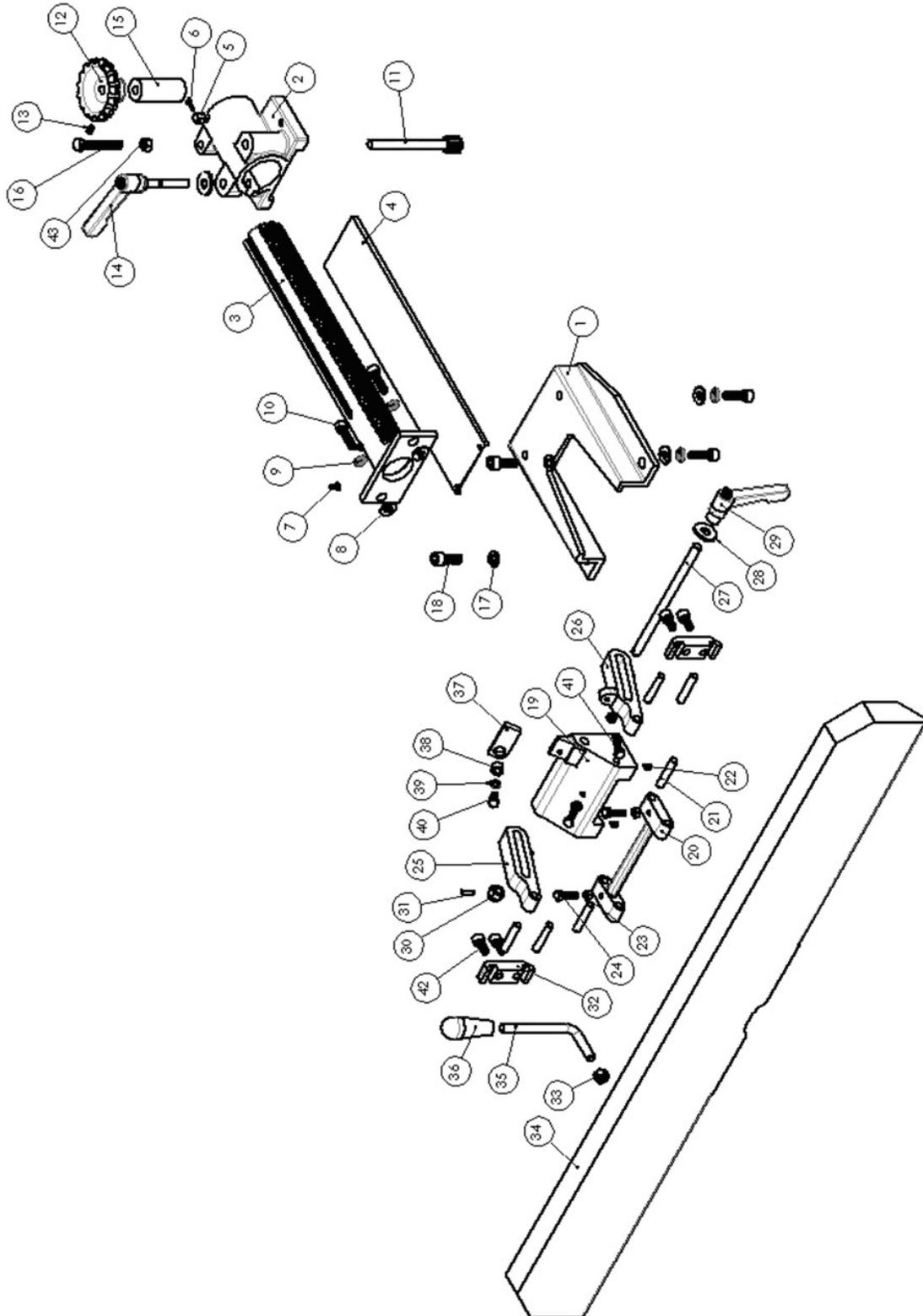
NO.	PARTNO.	DESCRIPTION	Q"TY
1	C057014	Adjustment, Handle	1
2	C080004	Adjustment, Plate	2
3	S284006	Spring Washer, $\Phi 6.1$	2
4	S135018	Hex. Head Screw, M6-P1.0	2



PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	C015039	Support, Gear	1
2	C015034	Support, Rack	1
3	C032015	Rack	1
4	C074171	Cover, Cutterhead	1
5	C051028	Collar	1
6	S199014	Hex. Head Screw,M4-P0.7	1
7	S233012	Screw, Dust Chute,M6-P1.0	2
8	S282011	Washer,Φ 10.5	4
9	S284008	Spring Washer, Φ 10.2	4
10	S203035	Hex. Head Screw,M10-P1.5	4
11	C039006	Shaft, Gear	1
12	C057013	Handwheel	1
13	S212012	Screw, Dust Chute,M6-P1.0	1
14	C057011	Handle, Lock	1
15	C052017	Bushing	1
16	S137070	Hex. Head Screw,M10-P1.5	1
17	S284022	Spring Washer, Φ 1/2	2
18	S187005	Hex. Head Screw,1/2"-12NC	2
19	C015035	Support, Fence	1
20	C015040	Support, Rear Bottom	1
21	C039009	Shaft	6
22	S212010	Fixed Screw,M6-P1.0	2
23	S273008R	Nut,M8-P1.25	4
24	S136030	Hex. Head Screw,M8-P1.25	2
25	C015036	Support, Left tile	1
26	C015037	Support, Right tile	1
27	C046019	Fixed Shaft	1
28	S282114	Washer, Φ 13	2
29	C057012	Handle, Lock	1
30	S277006	Nut,M12-P1.75	1
31	S267507V	Spring Pin, Φ 5 Φ 5.2x22L. (V)	1
32	C015038	Support, Rear Bottom	2
33	S273043	Nut,M12-P1.75	1
34	C020004	Fence	1
35	C046020	Handle, Rod	1
36	P029304Y	Knob,M12-P1.75	1
37	C020005	Plank, 90°	1
38	C052027	10L Collar, Φ 5/8"	1
39	S284007	Spring Washer, Φ 8.2	1

40	S136018	Hex. Head Screw,M8-P1.25	1
41	S136035	Hex. Head Screw,M8-P1.25	2
42	S203020	Hex. Head Screw,M10-P1.5	4
43	S273042	Nut,M10-P1.5	1
44	T027014	ToolBox	1



PARTS LIST:

NO.	PARTNO.	DESCRIPTION	Q"TY
1	S296008	Allen Wrench,M8	1
2	S296009	Allen Wrench,M10	1
3	S290071	Open End Wrench,10x12	1
4	S290073	Open End Wrench,12x14	1
5	S290074	Open End Wrench,17x19	1

