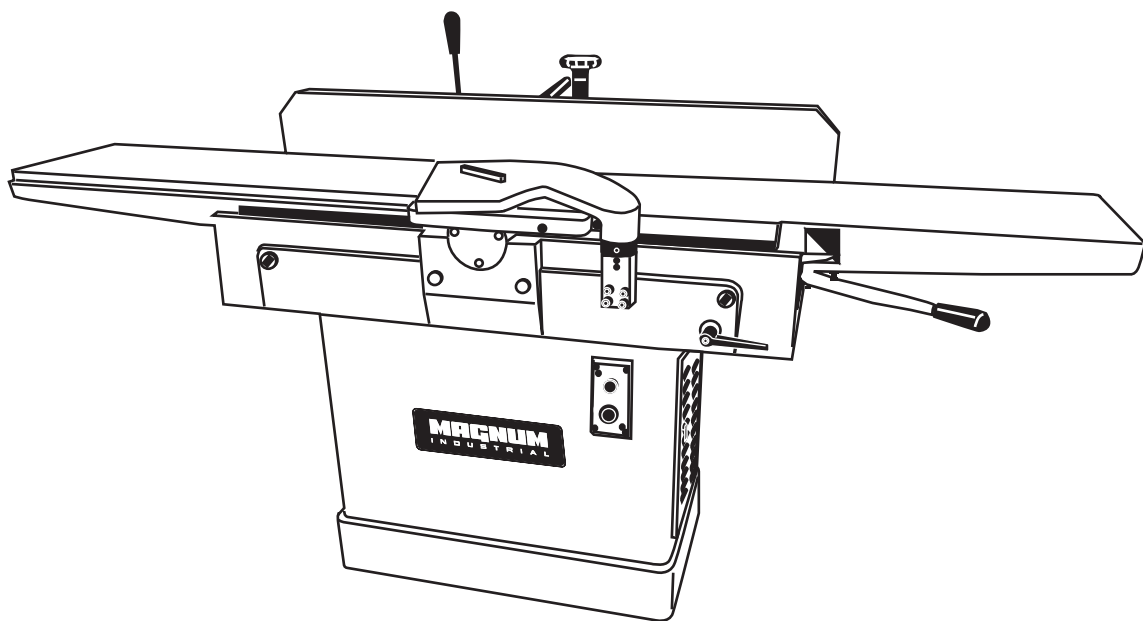


# MAGNUM

## INDUSTRIAL

MODEL NO.: MI-81550、MI81552



### CUTTING CAPACITY

MAX. WIDTH 12" (304.8 MM)

MAX. DEPTH OF CUT 3/4" (19 MM)

MOTOR 5 HP / 220V

PHASE 1 PH / 3 PH

AMP DRAW 23 A / 14 A

### TABLE SIZE

WIDTH 12" (304.8 MM)

LENGTH 84" (2133 MM)

HEIGHT FROM FLOOR 31-1/2" (800 MM)

### FENCE

SIZE (LXH) 47X5-1/2" (1194 X 140 MM)

TILT DEGREE 45°(F & R))

POSITIVE STOPS 45°,90°,135°

### CUTTERHEAD

SPEED 5000 R.P.M.

NUMBER OF CARBIDE  
INSERTS 34

DIAMETER 3-15/16" (100 MM)

CUTTING CIRCLE 43/32" (140 MM)

REBBETING CAPACITY 3/4" (19 MM)

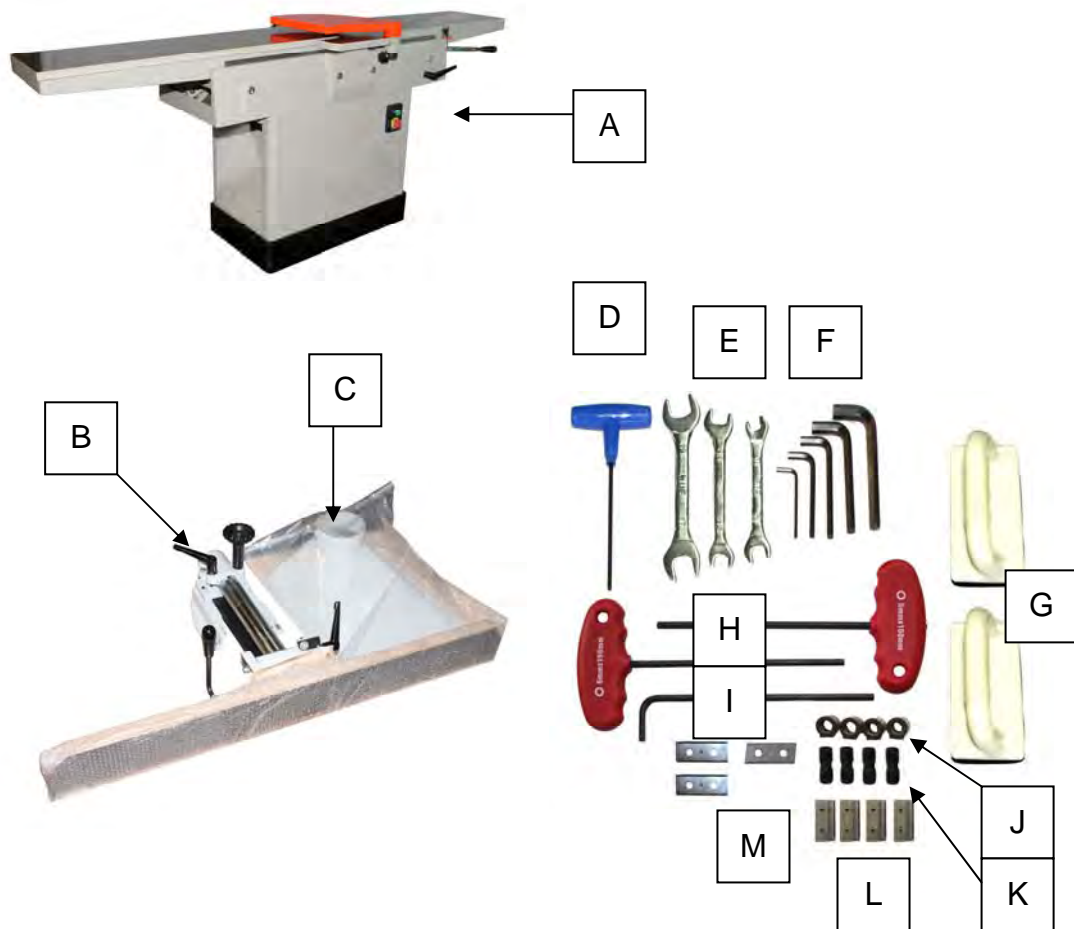
# OPERATING MANUAL

## 12" PARALLELOGRAM JOINTER

This 12" jointer is designed for face and edge jointing in solid wood only. The unit is not designed nor should it be used to surface or prepare, plywood, wood paneling, particleboard, MDF nor any other wood based by-products nor any non-wood based materials.

The MI-81550/81552 12" jointer features a precision four point parallelogram table adjustment system that allows for easy parallel alignment of in-feed and out-feed table to the cutterhead and each other. The unit is also equipped with helical cutterhead with reversible carbide inserts.

## IDENTIFICATION OF MAIN PARTS AND COMPONENTS



# UNPACKING

Carefully unpack and remove the unit and its components from its shipping crate and check for missing or damaged items as per the list of contents below.

## LIST OF CONTENTS

<b>A</b> – JOINTER & CUTTER HEAD GUARD...1
<b>B</b> – FENCE ASSEMBLY.....1
<b>C</b> – DUST CHUTE.....2
<b>D</b> – 4MM T WRENCH.....1
<b>E</b> - 10-12 MM OPEN END WRENCH.....1
12-14 MM OPEN END WRENCH.....1
17-19 MM OPEN END WRENCH.....1
<b>F</b> - 3 MM ALLEN KEY .....1
5 MM ALLEN KEY .....1
6 MM ALLEN KEY .....1
8 MM ALLEN KEY .....1
10 MM ALLEN KEY.....1
<b>G</b> – PUSH STICK .....2

HELICAL CUTTER HEAD TOOLS/REPLACEMENT PARTS	
<b>H</b> - 5 MM T ALLEN KEY .....2	
<b>I</b> - 5 MM ALLEN KEY.(LONG) .....1	
<b>J</b> - NUT.....4	
<b>K</b> - SCREW .....4	
<b>L</b> - KNIFE-HOLDER / CHIP-BREAKER.....4	
<b>M</b> - CARBIDE INSERT (STANDARD) .....2	
CARBIDE INSERT (BEVL).....1	

## ADDITIONAL REQUIREMENTS FOR SET UP

- 3 Extra people to assist with lifting
- Straightedge
- 45° & 90° combination square
- Phillips Screwdriver

## CLEAN UP

The protective coating on the jointer tables prevents rust from forming during shipping and storage.

Remove it by rubbing with a rag dipped in kerosene, mineral spirits or paint thinner. (Dispose of potentially flammable solvent soaked rags according to manufacturer's safety recommendations.)

A putty knife, held flat to avoid scratching the surface, may also be used to scrape off the coating followed by clean-up with solvent. Avoid rubbing the saw's painted surfaces, as many solvent-based products will remove paint.

To prevent rust, apply a light coating of paste wax or use regular applications of any after-market surface protectant or rust inhibitor.

This machine should be installed and operated only on a solid, flat and stable floor that is able to support

the weight of the jointer and the operator.

Plan for placement within your shop that will allow the operator to work unencumbered and unobstructed by foot traffic (either passing shop visitors or other shop workers) or other tools or machinery.

#### INSTALL THE FENCE ASSEMBLY

##### ADDITIONAL REQUIREMENTS FOR SET UP

- 2 Extra people to assist with lifting

1. Remove cap screw and spring washer (2) on rear of table
2. Place the fence assembly on the table.
3. Align the hole of fence assembly hole with the base .
4. Insert the cap screw and spring washer in position..
5. Move the fence surface to the front edge of table nearly.
6. Adjust the fence assembly and table edge in a line.
7. Tighten the cap screw (2) .



#### INSTALL THE DUST CHUTE

Remove the Hex. head screws and spring screws (6) on the left side of machine.

Attach the dust chute by Hex. Head screws and spring washers (6).

Tighten the Hex. Head screws.



## Extension cords

The use of an extension cord is not recommended for the Jointer. But if one is necessary, make sure the cord rating is suitable for the amperage listed on the machine's motor plate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

Use the chart as a general guide in choosing the correct size cord. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord

Amps	Extension Cord Length *					
	25 feet	50 feet	75 feet	100 feet	150 feet	200 feet
< 5	16	16	16	14	12	12
5 to 8	16	16	14	12	10	NR
8 to 12	14	14	12	10	NR	NR
12 to 15	12	12	10	10	NR	NR
15 to 20	10	10	10	NR	NR	NR
21 to 30	10	NR	NR	NR	NR	NR

## 220 Volt, Single Phase Operation

As received from the factory, the **single-phase** model of the MI-81550/81552 is designed to run on 220 volt power only.

The jointer has a wire conjunction box on the rear of base.

Disconnect the machine from power source before wiring.



## GROUNDING INSTRUCTIONS

In the event of an electrical malfunction or short circuit, grounding reduces the risk of electric shock to the operator.

The motor of this machine is wired for 220V single phase operation wired for 220V single phase operation.

As with many stationary industrial type machines, because each installation situation is unique, this jointer is supplied without a power cord or plug. The installation of an appropriate power cord and plug must be performed by a qualified electrician. The machine must be connected to an electrical source using a power cord that has a grounding wire, which must also be properly connected to the grounding prong on the plug.

The outlet must be properly installed and grounded and all electrical connections must be made in accordance with all local codes and regulations.

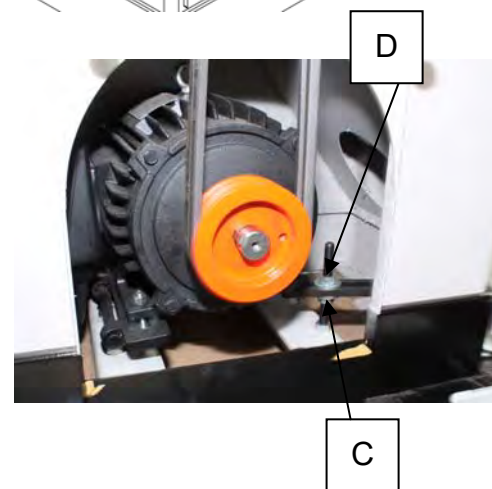
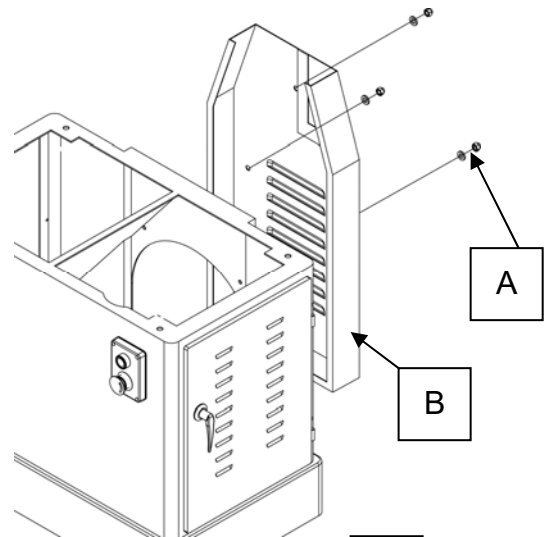
# Adjustments

## Drive Belt Tension

To check or adjust the drive belt tension:

1. Unscrew lock nut A(3) and remove the belt guard B
2. Proper drive belt tension is achieved when there is a small amount of deflection in the drive belt midway between the pulleys, when using moderate finger pressure
3. To increase the tension on the drive belt, loosen the lower hex nut C with 17mm wrench, and tighten the top hex nut D. When finished, tighten lower Hex. nut C,
5. Re-install belt guard.

NOTE: After operating the machine for a short time, the drive belt tension should be rechecked, as the new drive belt may stretch slightly during the “breaking-in” period.

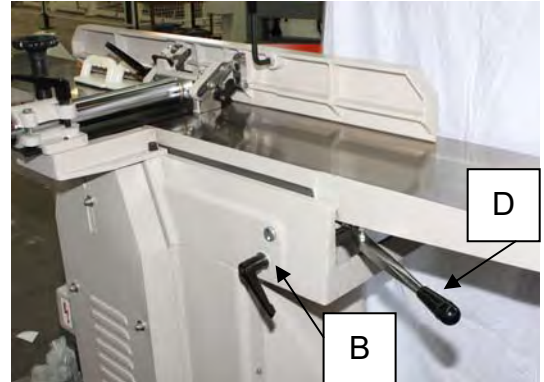
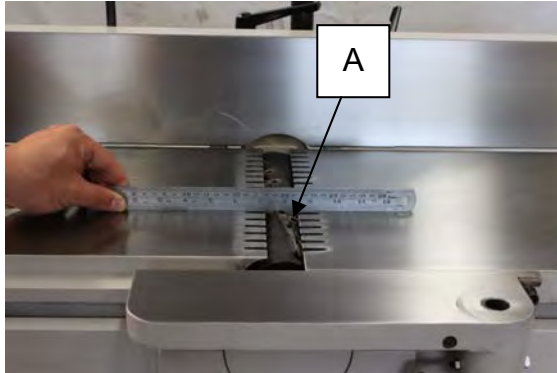


# ADJUSTING AND SETTING THE OUT-FEED TABLE HEIGHT

The out-feed table should be set level with the highest point of the knives **A**. The height of the out-feed table should be verified and adjusted prior to first use. It should also be verified and re-adjusted periodically to compensate for knife wear and also upon knife replacement.

**ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS.**

**FAILURE TO HEED THIS WARNING CAN LEAD TO SERIOUS PERSONAL INJURY.**



1. Make sure that the machine is disconnected from the power source.
2. To give yourself unimpeded access to the cutter head and upper pulley, remove the cutter head guard and move the fence backwards, out of the way.
3. Set a straightedge onto the out-feed table so that it sits over the cutter head but does not completely cross the gap between the tables and touch the infeed table .
4. Turn the upper pulley by hand until any one of the knives is at it's highest point.

5. Loosen out-feed (left) table control bar **lock lever B**.
6. Use **left control bar D** to adjust the out-feed table height so that the knife **barely touches** the straightedge.
7. Re-tighten **lock lever B** to secure the out-feed table in position.

## ADJUSTING AND SETTING THE IN-FEED TABLE HEIGHT / DEPTH OF CUT

**THE MAXIMUM DEPTH OF CUT FOR ONE PASS IS 1/8". NEVER ATTEMPT TO REMOVE MORE MATERIAL THAN 1/8" IN ANY SINGLE PASS.**

**ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE MAKING ANY ADJUSTMENTS.**

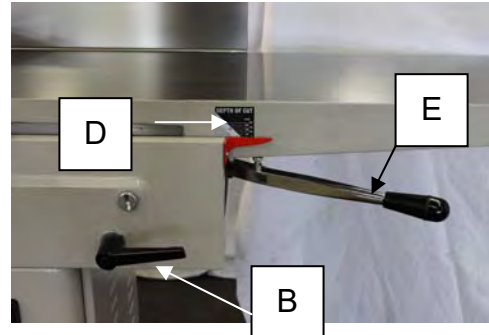
**FAILURE TO HEED THIS WARNING CAN LEAD TO SERIOUS PERSONAL INJURY.**

1. Loosen the in-feed (right) table control bar lock lever **B**.

**Note: Refer to the graduated depth scale D .**

2. Use right control bar **E** to adjust the in-feed table height

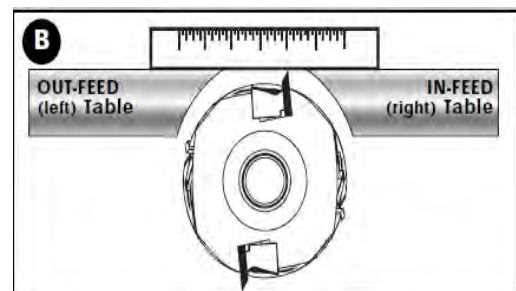
4. Re-tighten lock knob **B** to secure the in-feed table in position.



### PARALLEL ALIGNMENT OF THE IN-FEED AND OUT-FEED TABLE TO THE CUTTER HEAD AND BETWEEN EACH OTHER

The out-feed table and in-feed table have been factory set parallel to the cutterhead and with each other **B**.

However with use and vibration over time, it may eventually become necessary to re-align the tables.



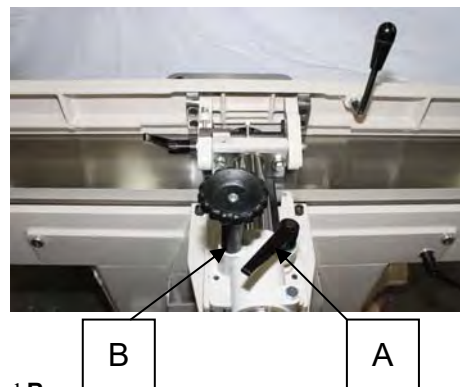
## ADJUSTING THE FENCE & CHECKING / SETTING THE FENCE STOPS

The fence stops allow you to position the fence at specific pre-set angles in relation to the tables without having to measure each time you return to that angle.

Due to wear and vibration, fence stops can over time become misaligned and should be checked periodically and re-set if necessary.

To move the fence front to back:

1. Loosen locking lever **A**.
2. Position the fence over the cutter head as needed using handwheel **B**.

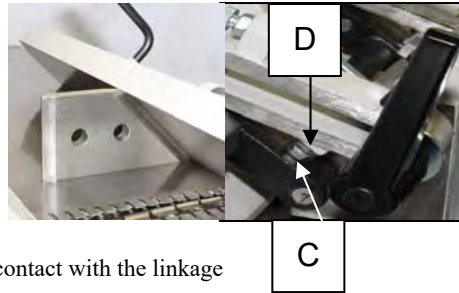




### 3. Re-tighten locking lever **A**.

To set the **45°** fence stop:

1. Using a 45° combination or machinists square, set the fence to 45
2. Loosen the jam nut **C (2)** on the 45° inward fence stop bolt .

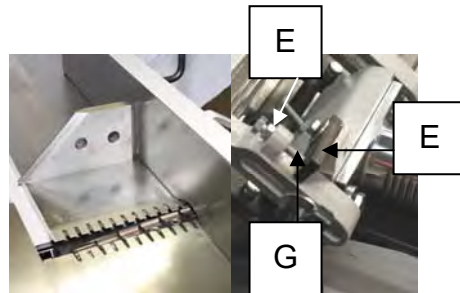


Adjust the 45° outward fence stop bolt **D (2)** until it makes contact with the linkage arm.

4. Retighten the jam nut **C(2)**.

To set the **90°** fence stop:

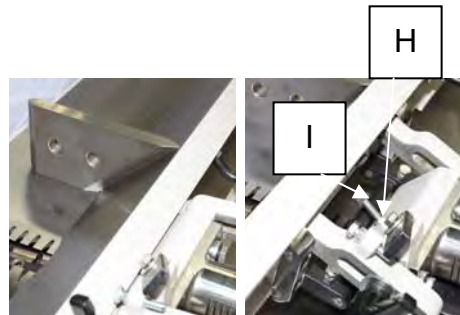
1. Using a 90° combination or machinists square, set the fence to 90°.
2. Flip the 90° stop into position (**E**)
3. Loosen the jam nut **F** on the 90° fence stop bolt.



4. Adjust the 90° fence stop bolt **G** until it makes contact with the 90° stop **E**
5. Retighten the jam nut **F**.

To set the **45° outward** fence stop:

1. Using a combination or machinists square, set the fence to 45° outward.
2. Loosen the jam nut **H** on the 45° outward fence stop bolt.
3. Adjust the 45° outward fence stop bolt **I** until it makes contact with the back of the fence.
4. Retighten the jam nut **H**.

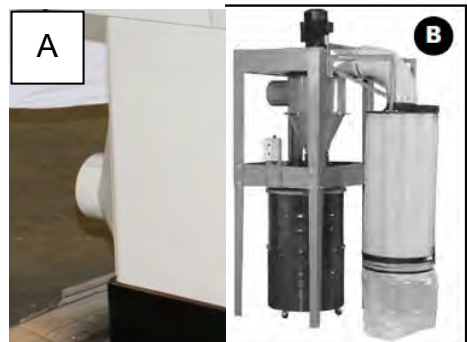


## OPERATING INSTRUCTIONS

### CONNECTING TO A DUST COLLECTOR

A dust port with a 4" opening **A** is provided to accommodate connection to a dust collector **B** (not included).

Be sure to use appropriate sized hose and fittings (not included) and check that all connections are sealed tightly to help minimize airborne dust.

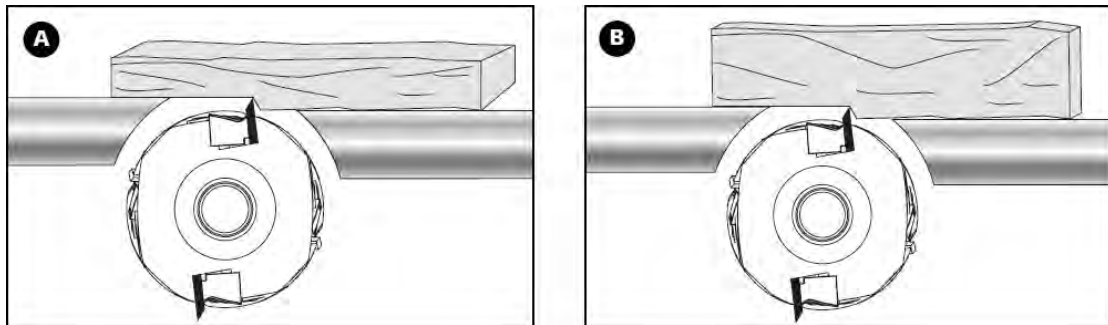


## BASIC PRINCIPLES OF JOINTING

This jointer is designed to remove material from the bottom face of a board in order to bring one face of the board perfectly flat **A**.

This perfectly flat face is then placed against the fence, set at 90° to the tables, to obtain a perfectly perpendicular 90° flat edge **B**.

This jointer is not intended (and should not be used) to joint any material other than solid wood.



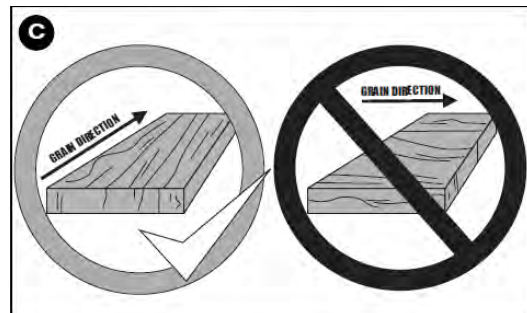
## SELECTING BOARDS SUITABLE FOR JOINTING

1. Jointing safety begins with the stock used with the machine. Inspect the work piece carefully before jointing it.

Never joint a board that has loose knots, staples, nails or other embedded foreign objects. If you have the slightest doubt about the structural integrity or stability of a board:

**Do Not Joint It.**

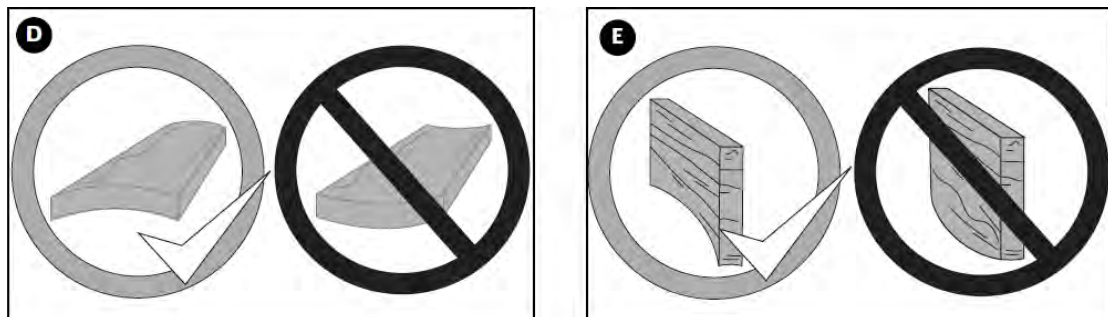
2. Only boards with the grain running more or less lengthwise are suitable for jointing **C**.



**ALWAYS JOINT IN THE GENERAL DIRECTION OF THE GRAIN. JOINTING AGAINST THE GRAIN OR JOINTING END GRAIN IS DANGEROUS AND MAY CAUSE THE WORKPIECE TO SHATTER.**

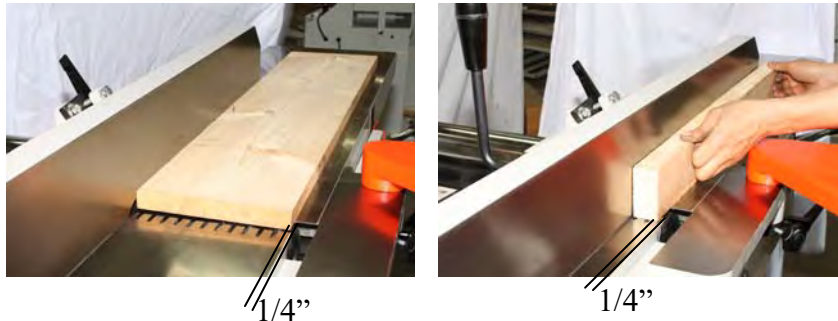
## DETERMINE THE CONCAVE FACE AND EDGE OF YOUR BOARD

Place your board on a flat surface to identify its concave face **D** and edge **E**. The boards must be jointed with its concave face and edge against the jointer table.



## ADJUST FENCE FRONT TO BACK POSITION

To limit your exposure to the knives in the cutter head, never take more knives length than is required to complete the cut. Set the position of the fence so that the length of blade remaining exposed is roughly 1/4" longer than the width of the board to be jointed.



## BASIC JOINTING OPERATIONS

### SURFACE PLANING

1. Inspect the stock before starting & remove any foreign objects or debris.
2. Set the depth of cut as required (1/32" is recommended for face planing - Less for hard wood or wider stock.)
3. Set & lock the fence at 90°.
4. If your workpiece is cupped, place the cupped side face down on the in-feed (right) table.
5. Set the position of the fence so that the length of blade remaining exposed is roughly 1/4" longer than the width of the board to be jointed.
6. Turn on the machine & using push blocks press the stock against the table and tight to the fence, feeding the stock over the cutter head.
7. Inspect the board & repeat the steps if needed until the surface is flat.



**FAILURE TO USE PUSH BLOCKS WHEN SURFACE PLANING MAY RESULT IN SERIOUS PERSONAL INJURY. ALWAYS USE PUSH BLOCKS TO HELP KEEP YOUR HANDS AT A SAFE DISTANCE FROM THE KNIVES WHEN SURFACE PLANING.**

### EDGE JOINTING

1. Inspect the stock before starting & remove any foreign objects or debris.
2. Set the depth of cut as required (1/16" - 1/8" is recommended for edge jointing - Less for hard wood or wider stock.)



3. Set & lock the fence at 90°
4. If your workpiece is cupped, place the cupped side face down on the in-feed (right) table.
5. Set the position of the fence so that the length of blade remaining exposed is roughly 1/4" longer than the width of the board to be jointed.
6. Turn on the machine, press the stock against the table and tight to the fence, feeding the stock over the cutter head.
7. Inspect the board & repeat the steps if needed until the surface is flat.

## RABBETING

1. Remove the blade guard & move the fence forward leaving only the width of the desired rabbet on the tables uncovered by the fence & lock the fence in position.

**REMOVE THE BLADE GUARD FOR RABBETING ONLY. IMMEDIATELY REPLACE THE BLADE GUARD WHEN FINISHED. DO NOT PERFORM ANY OTHER JOINTING OPERATION WITH THE BLADE GUARD REMOVED. FAILURE TO HEED THIS WARNING CAN LEAD TO SERIOUS PERSONAL INJURY.**

2. Inspect the stock before starting & remove any foreign objects or debris.
3. Set the depth of cut as required (1/16" - 1/8" is recommended for rabbeting - Less for hard wood or wider stock.)
4. Turn on the machine & using push blocks press the stock against the tables rabbeting arm and tight to the fence, feeding the stock over the cutter head.
5. Repeat the steps until the rabbet is cut to desired depth.

## MAINTENANCE

**MAKE MAKE SURE THE JOINTER HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE. FAILURE TO HEED THIS WARNING CAN LEAD TO SERIOUS PERSONAL INJURY.**

### INSPECTING/REPLACING CUTTER HEAD KNIVES

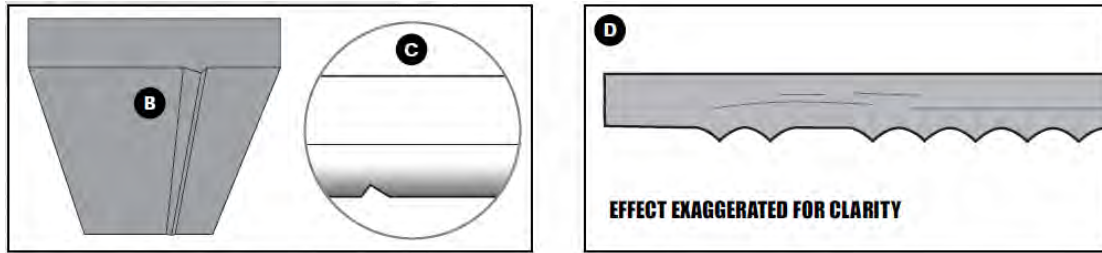
There are 34 reversible carbide inserts (knives) installed in the helical cutter head at the factory with usage and normal wear over time, it will eventually become necessary to reverse and/or replace the inserts. To maintain even insert wear always reverse or replace all 34 inserts each time knife replacement is required. When needed, replacement inserts **A** can be ordered through your local General International distributor under part #30-443.



Observing jointed workpieces as they come off of the machine and looking for signs of knife damage or wear is

the best method to help you to determine when knives are due to be changed.

Signs to look for include:



1. A raised ridgeline in the workpiece that runs a straight line from beginning to end of the board **B**. This is generally an indication that one or more knives has been nicked or damaged **C** by a foreign object such as a nail, staple or other hard object hidden or embedded in the workpiece.
2. A slight washboard or chatter effect **D** which can be an indication of uneven knife wear causing one knife to cut slightly deeper than the others.
3. Rough, irregular, torn or fuzzy grain on a freshly jointed surface may be a sign of worn or dull blades causing the wood to tear out. Sharp blades cut crisply and leave a relatively smooth finish.

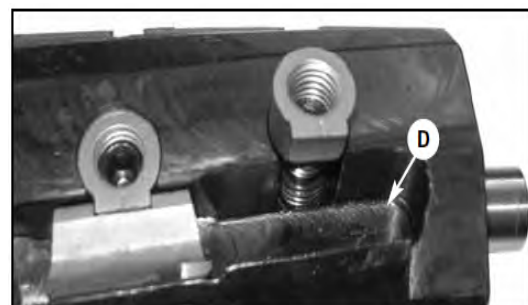
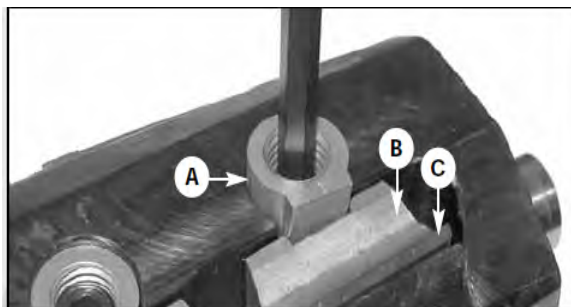
**Note: Fuzzy grain can also be a sign of high moisture content in the workpiece. If knives have recently been changed or if you suspect that moisture content and not dull knives is the cause, set the workpiece aside and test by jointing other boards with known or acceptable moisture content. If the jointed results using a different workpiece are smooth, then moisture content in your wood is the problem - no adjustments can be made to the machine for this. Set the “wet” stock aside and simply work with drier wood.**

#### HELICAL CUTTER HEAD INSERT REVERSAL / REPLACEMENT

**INSERT EDGES ARE VERY SHARP. USE CARE WHEN HANDLING INSERTS.**

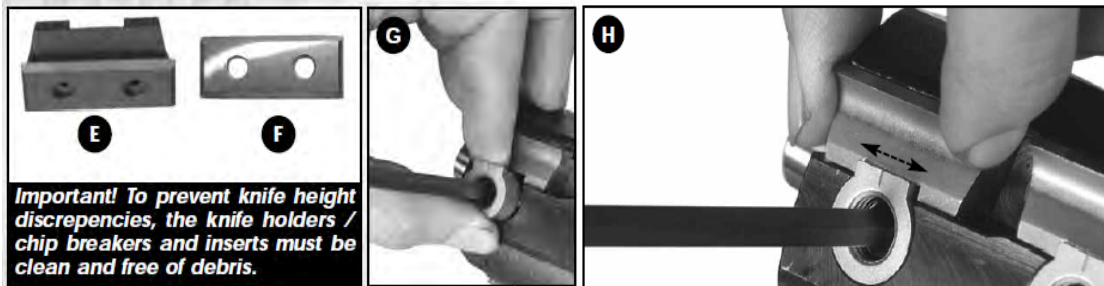
**MAKE SURE THE JOINTER HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE**

**BEFORE PERFORMING ANY MAINTENANCE. FAILURE TO HEED THIS WARNING CAN LEAD TO SERIOUS**



1. Using the one of the supplied long Allen keys, loosen but do not remove the nut and screw **A** and remove the knife-holder/chip breaker **B** and insert **C**.

2. Thoroughly clean the housing **D** before reinstalling a knife-holder/chip breaker and insert.



**3.** Thoroughly clean the knife-holders/chip breakers **E** and inserts **F** using a lacquer thinner and small brush.

**4.** Reverse or replace the insert and re-install it along with the knife-holder/chip breaker into the slot, then partially retighten the nut and screw **G**.

**5.** Center the knife-holder/chip breaker with the flat edge of the nut **H** and fully tighten the nut and screw.

**6.** Repeat with all other inserts.

**Important! The nut and screw that secures the knife-holder/chip breakers and inserts in the cutter head does not have to be removed for blade reversal/replacement, only loosened. If the nuts and screws have to be replaced or if they have been removed instead of loosened, follow the instructions below to make sure that the knife-holder/chip breakers are all secured at the same height into the cutter head.**

**1.** Place the screw in the threaded hole but don't start tightening it yet.

**2.** Place the nut on top of the screw but don't start tightening the screw yet.

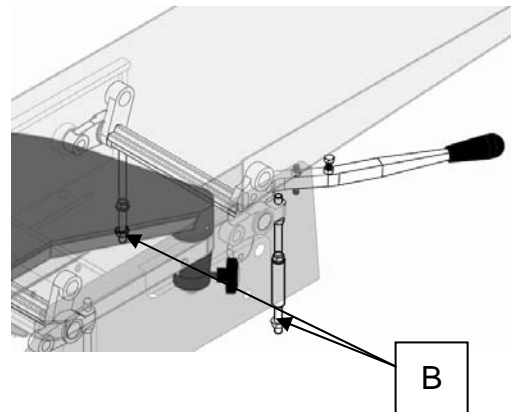
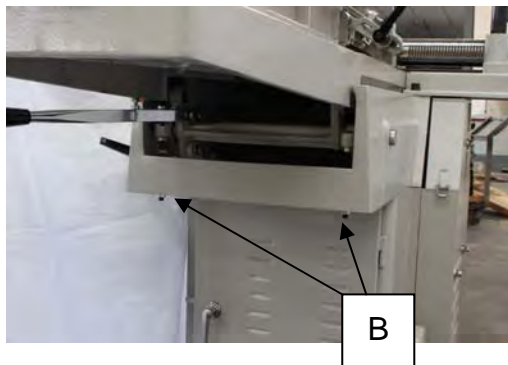
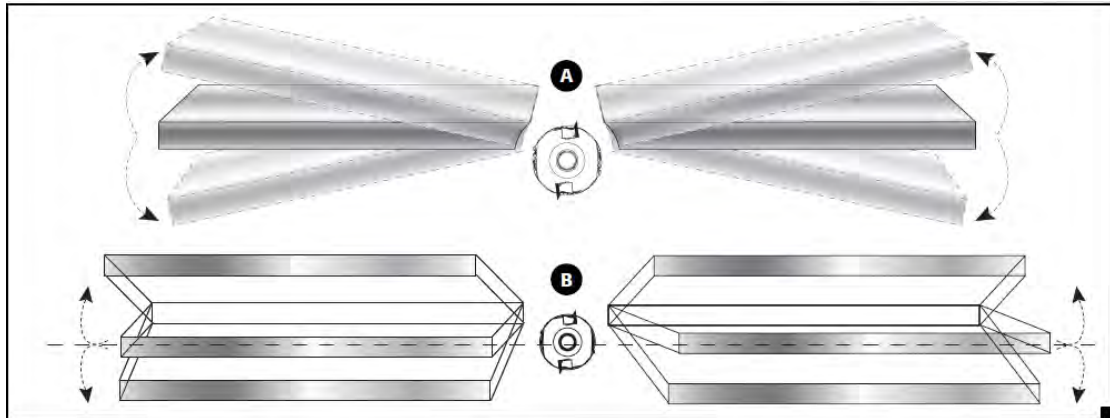
**3.** Holding the nut with your fingers, tighten the screw. This will tighten both the screw and nut simultaneously.

**4.** *Do not thread the nut onto the screw before tightening the screw into the threaded hole in the cutter head.*

**PARALLEL (CO-PLANAR) ALIGNMENT OF THE IN-FEED AND OUT-FEED TABLES**

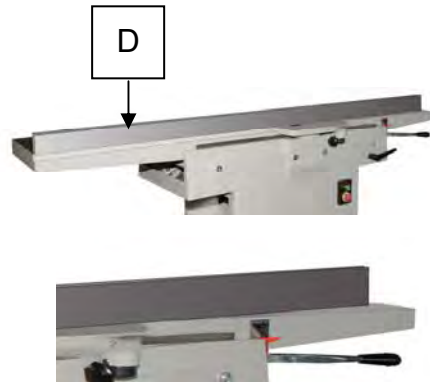
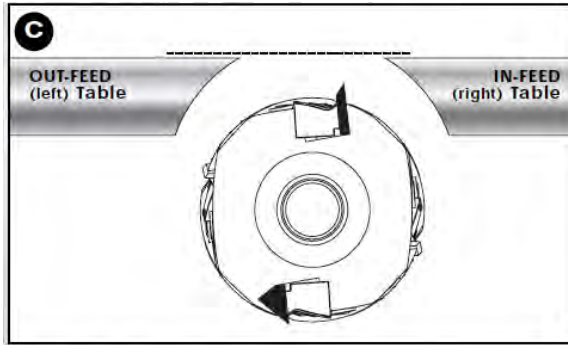
In order to obtain precision jointing results it is essential that the in-feed and out-feed tables are aligned

parallel (coplanar) to each other at all times. If the end of one or both tables is tilted higher or sags lower **A**, or if either table tilts inward or outward out of parallel with the other **B**, this will result in jointed workpieces that are not flat or that cannot be face and then edge jointed to achieve a perfect 90° angle. To facilitate precision table alignment this MI-81550/81552 jointer features a parallelogram style 4-point adjustment system on each table. In order to achieve perfect alignment, the tables should be verified at the front (closest to the operator), back (closest to the fence) and across both diagonals (corner to corner) using a precision straightedge, preferably one that is as long as the two tables.



1. Disconnect the machine from the power source.
2. Set table to the top position.

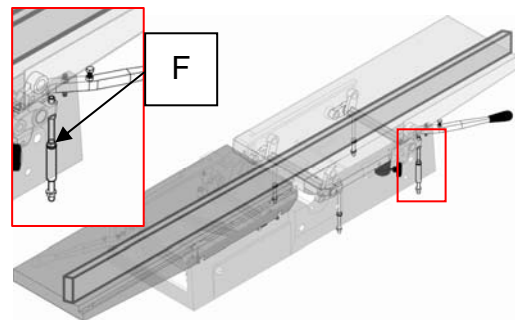
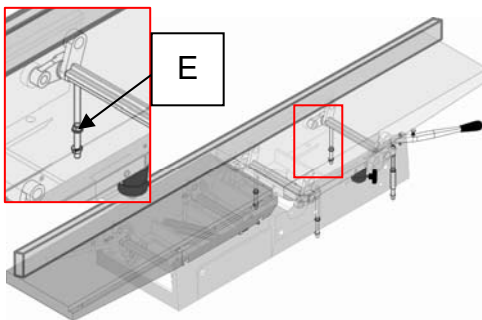
3. Using the supplied 12 mm open wrench, loosen the 2 locking nuts B located under table 1 1/2 or 2 turns each.



**Note: Remove the cutter head guard and move the fence backwards, out of the way.**

**4.** Raise the out-feed table higher than the cutter head then set the in-feed table at the same height as the out-feed table **C**.

**5.** Set the precision straightedge **D** onto the out-feed and in-feed tables (near the rear edge of the tables) and check for a gap between the straightedge and the tables.



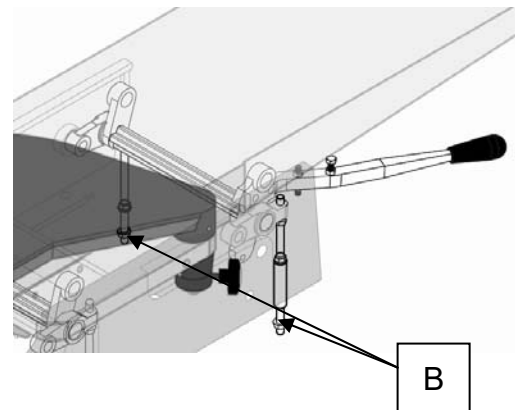
**6.** Use the supplied **12-14 mm** open wrench to adjust the nut **E** located on the rear edge to eliminate the gap between the table(s) and the straightedge.

**7.** Set the straightedge near the front edge of the tables.

**8.** Adjust the nut located on the front edge of table to eliminate the gap between the table(s) and the straightedge.

**13.** Repeat the previous steps as needed until alignment has been achieved.

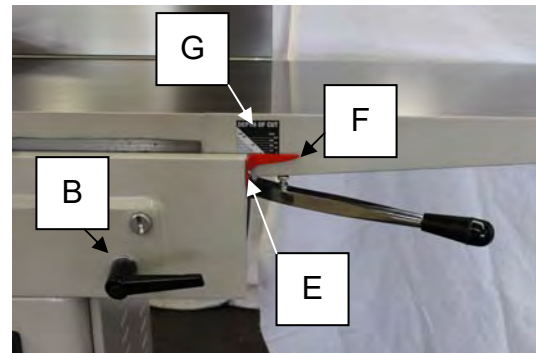
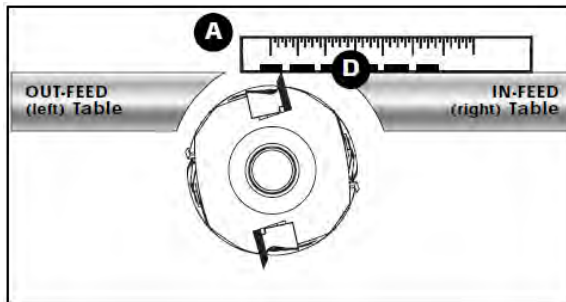
**14.** With the out-feed and in-feed tables coplanar, tighten the 2 locking screws **B** on both tables.





## CHECKING / ADJUSTING THE ZERO POINT STOP BOLT & THE DEPTH OF CUT INDICATOR

With use and vibration over time, it may eventually become necessary to re-adjust the “Zero point stop bolt” and “Depth of cut indicator” as follows:



1. Set a straightedge onto the in-feed table so that it sits over the cutter head without completely crossing the gap between the tables to touch or sit above the out-feed table **A**.
2. Loosen lock lever **B** located on the underside of the in-feed table.

3. Raise or lower the in-feed table until it is level with the highest point of the cutterhead **D**, then tighten lock lever **B**.
4. If needed, loosen the screw **E** and adjust the pointer **F** left or right until the pointer is set to the zero point on the scale **G**, then re-tighten the screw.

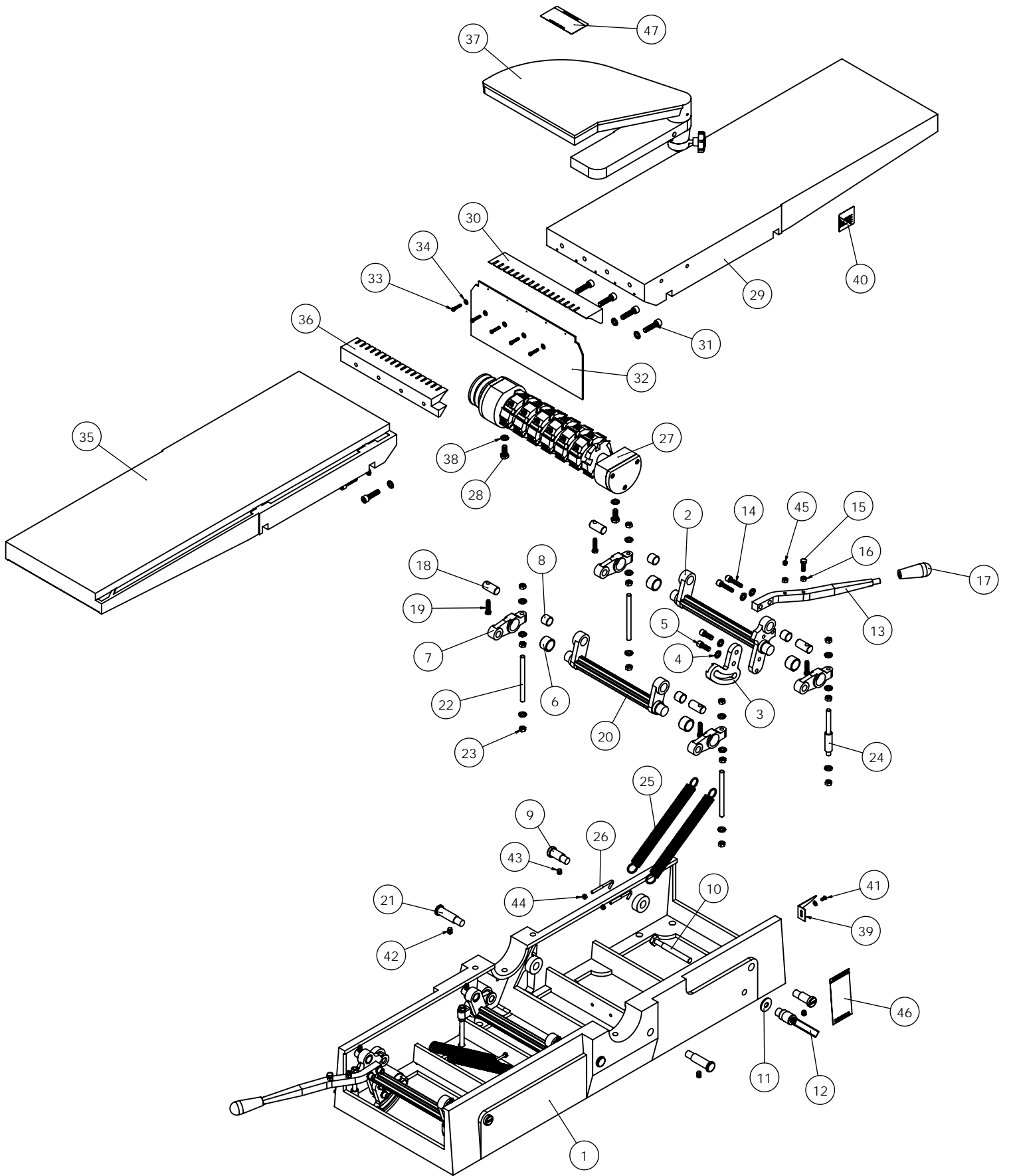
## PERIODIC MAINTENANCE

To prolong the service life of your jointer and to maintain optimum performance the following basic maintenance procedures should be practiced and become part of your shop routine.

- Inspect/test the ON/OFF switch before each use. Do not operate the jointer with a damaged switch; replace a damaged switch immediately.
- Keep the machine as well as the in-feed out-feed tables clean and free of saw dust, woodchips, pitch or glue. Vacuum or brush off any loose debris and wipe down the machine and the tables occasionally with a damp rag.
- An occasional light coating of paste wax can help protect the tables' surface and reduce workpiece friction. Ask your local distributor for suggestions on aftermarket surface cleaners, protectant and dry lubricants based on what is readily available in your area.
- Avoid using silicon based products that may affect or react with wood finishing products such as oil, solvent or water-based stains, varnishes and lacquers.
- Periodically inspect the power cord and plug for damage. To minimize the risk of electric shock or fire, never operate the planer with a damaged power cord or plug. Replace a damaged power cord or plug at the first visible signs of damage.
- All bearings are sealed and permanently lubricated and no further lubrication is required. The fence assembly and

table ways also should not be lubricated. If you should encounter a “sticking” problem, simply disassemble and clear away any obstructions from the ways.

- Regularly inspect jointed workpieces for signs of knife damage or wear and replace damaged or worn knives immediately.
- Inspect the belt regularly – To avoid potentially costly downtime, consider keeping a spare replacement belt on hand for use if needed. Belts that show visible signs of wear such as cracks or fraying at the edges should be replaced immediately.

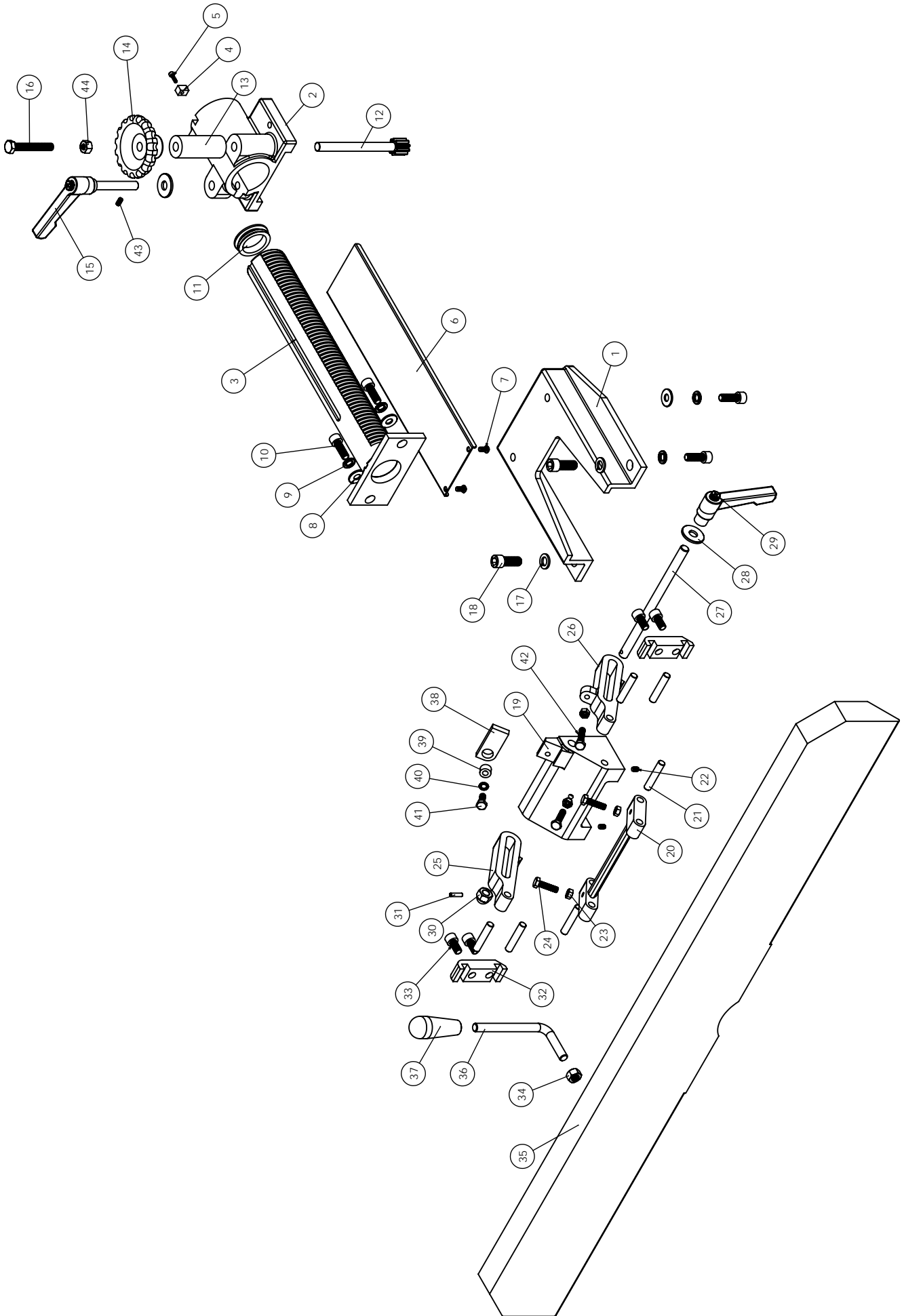


## PARTS LIST FOR MI-81550 、 MI-81552 ( Table )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-1-1	C004014	Middle Base		1
<a href="#">MI-81550-1-2</a>	<a href="#">C048014</a>	<a href="#">Bar, Table Raising Link, Front</a>		<a href="#">2</a>
MI-81550-1-3	C017026	Bracket		2
MI-81550-1-4	S284023	Spring Washer	Φ3/8"	32
MI-81550-1-5	S186006	Screw	Φ3/8"-16NCx1"L	4
MI-81550-1-6	P051003	Copper Bushing	Φ25x § 31x20L	8
MI-81550-1-7	C015052	Support		8
MI-81550-1-8	P051001	Copper Bushing	Φ19.05x § 22.225x18L	8
MI-81550-1-9	C047015	Axis, Pivot		4
MI-81550-1-10	C034122	Screw	Φ1/2"-12NCx4 1/2"L	2
MI-81550-1-11	S282054	Plate Washer	Φ1/2"x § 34x3.0T	2
MI-81550-1-12	C057012	Lock Handle		2
MI-81550-1-13	C057018	Handle		2
MI-81550-1-14	S186008	Screw	Φ3/8"-16NCx1 1/2"L	4
MI-81550-1-15	S136025	Screw Hex Hd	M8-P1.25x25L	2
MI-81550-1-16	S273008R	Nut	M8-P1.25	4
MI-81550-1-17	P029304Y	Knob	M12-P1.75	2
MI-81550-1-18	C047013	Axis, Pivot	Φ19.05x40L	8
MI-81550-1-19	S099004	Screw Hex Hd	Φ5/16"-18NCx1 1/4"L	8
<a href="#">MI-81550-1-20</a>	<a href="#">C048013</a>	<a href="#">Bar, Table Raising Link, Back</a>		<a href="#">2</a>
MI-81550-1-21	C047014	Axis, Pivot		4
MI-81550-1-22	C034040	Screw	Φ3/8"x130L	8
MI-81550-1-23	S274012R	Nut	Φ3/8"-16NC	24
MI-81550-1-24	C052025	Tube		2
MI-81550-1-25	C060019	Spring		4
MI-81550-1-26	S326001	Hooked Screw	Φ1/4"x72L	4
MI-81550-1-27	T001118	Assembly, Cutterhead		1
MI-81550-1-28	S137025	Screw Hex Hd	M10-P1.5x25L	2

## PARTS LIST FOR MI-81550 、 MI-81552 ( Table )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-1-29	C006020	Ineed Table		1
MI-81550-1-30	C087011	Lip, Table		1
MI-81550-1-31	S203040	Screw	M10-P1.5x40L	8
MI-81550-1-32	C008004	Deflector, Dust		1
MI-81550-1-33	S239007	Screw	Φ3/16"-24NCx1"L	5
MI-81550-1-34	S282059	Spring Washer	Φ3/16"	6
MI-81550-1-35	C006021	Outfeed Table		1
MI-81550-1-36	C087010	Lip, Table		1
MI-81550-1-37	T025015-S	Assembly, Guard		1
MI-81550-1-38	S284008	Spring Washer	Φ10.2x § 18.4x3.7x2.5T	10
MI-81550-1-39	C070005	Indicator		1
MI-81550-1-40	P108116	Name Plate		1
MI-81550-1-41	S239003	Screw	Φ3/16"-24NCx3/8"L	1
MI-81550-1-42	S196004	Screw	Φ3/8"-16NCx1/2"L	4
MI-81550-1-43	S196003	Screw	3/8"-16NCx3/8"L	4
MI-81550-1-44	S273089	Nut	1/4"-20NC	4
MI-81550-1-45	S213008	Screw	M8-P1.25x35L.	2
MI-81550-1-46	P105105	Warnning Sticker	L127xW64	1
MI-81550-1-47	P105104	Warnning Sticker	L106xW57	1



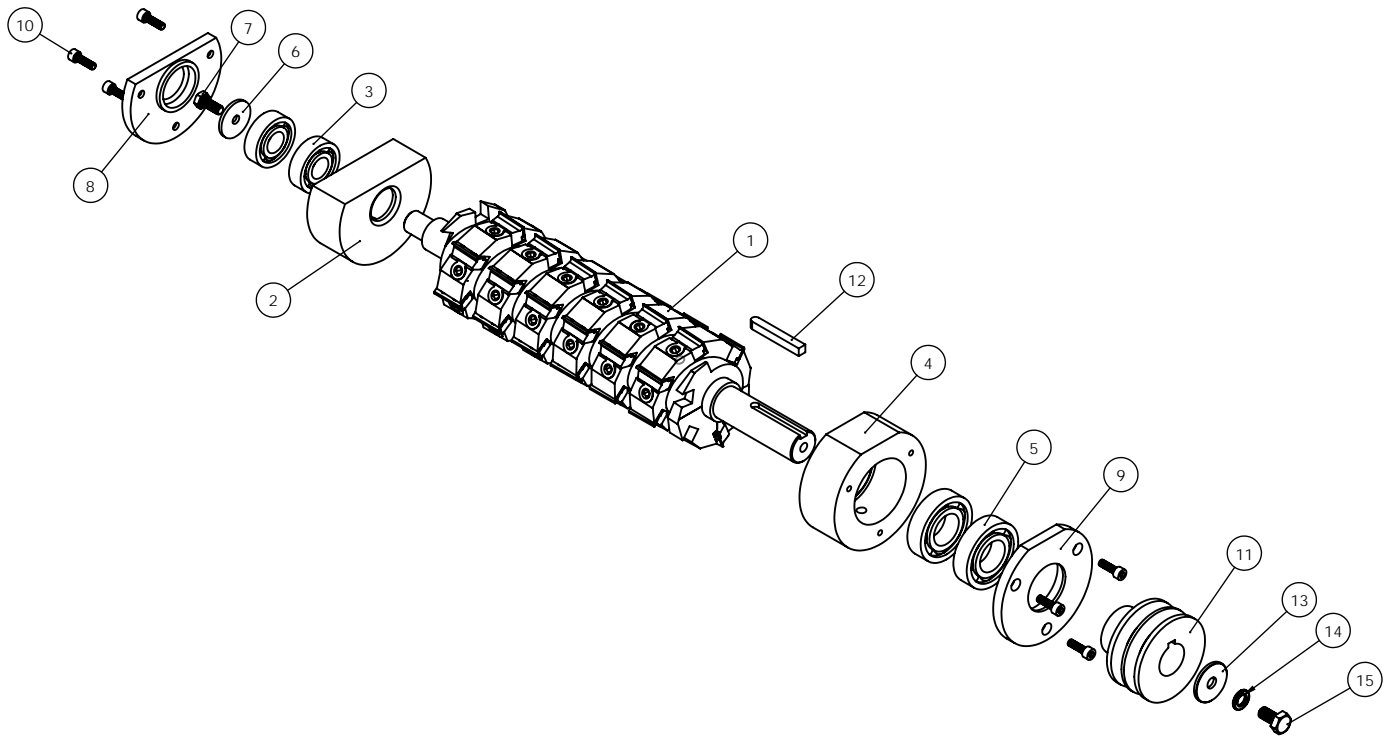
## PARTS LIST FOR MI-81550 、 MI-81552 ( Fence )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-2-1	C015039	Support, Fence		1
MI-81550-2-2	C015034	Bracket		1
MI-81550-2-3	C032003	Column, Gear		1
MI-81550-2-4	C051028	Fix Collar		1
MI-81550-2-5	S199014	Screw	M4-P0.7x14L	1
MI-81550-2-6	C075014	Guard, Cutterhead		1
MI-81550-2-7	S233012	Screw	M6-P1.0x12L	2
MI-81550-2-8	S282011	Plate Washer	Φ10.5	4
MI-81550-2-9	S284008	Spring Washer	Φ10.2x § 18.4x3.7x2.5T	4
MI-81550-2-10	S203030	Screw	M10-P1.5x30L	4
MI-81550-2-11	P063201	Column Cover	Φ52xΦ40x13t	1
MI-81550-2-12	C039006	Shaft, Gear		1
MI-81550-2-13	C052017	Collar		1
MI-81550-2-14	C057013	Handlewheel		1
<a href="#">MI-81550-2-15</a>	<a href="#">P026102ZC</a>	<a href="#">Lock handle</a>		<a href="#">1</a>
MI-81550-2-16	S137070	Screw Hex Hd	M10-P1.5x70L	1
MI-81550-2-17	S284022	Spring Washer	Φ1/2"	2
MI-81550-2-18	S187005	Screw	Φ1/2"-12NCx1 1/4"L	2
MI-81550-2-19	C015035	Bracket, Fence		1
MI-81550-2-20	C015040	Support		1
MI-81550-2-21	C039009	Pin		6
MI-81550-2-22	S212010	Screw	M6-P1.0x10L	2
MI-81550-2-23	S273008R	Nut	M8-P1.25	4
MI-81550-2-24	S136030	Screw Hex Hd	M8-P1.25x30L	2
<a href="#">MI-81550-2-25</a>	<a href="#">C015036</a>	<a href="#">Bracket, Left</a>		<a href="#">1</a>
<a href="#">MI-81550-2-26</a>	<a href="#">C015037</a>	<a href="#">Bracket, Right</a>		<a href="#">1</a>
MI-81550-2-27	C046019	Shaft		1
MI-81550-2-28	S282114	Plate Washer	Φ13x § 34x3T	2

## PARTS LIST FOR MI-81550 、 MI-81552 ( Fence )

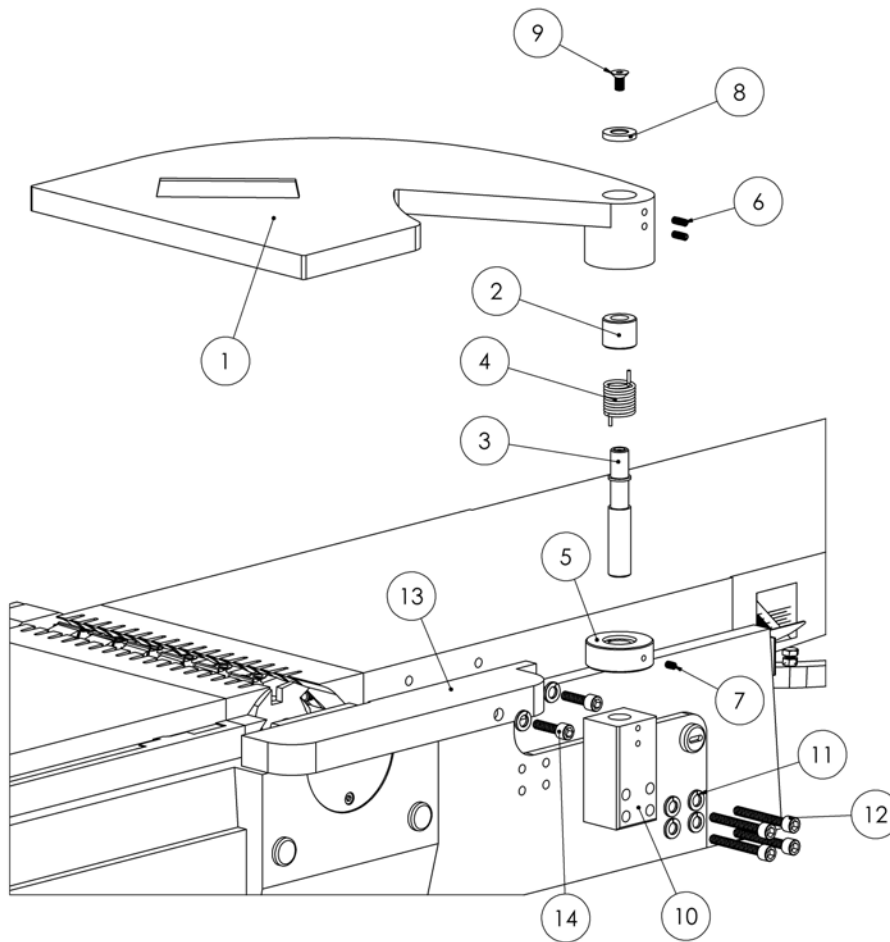
No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-2-29	P026106Z	Lock handle		1
MI-81550-2-30	S277006	Nut, Hex	M12-P1.75	1
MI-81550-2-31	S267507V	Pin, Spring	Φ5 § 5.2x22L. (V)	1
MI-81550-2-32	C015038	Clamp, Rear		2
MI-81550-2-33	S203020	Screw	M10-P1.5x20L	4
MI-81550-2-34	S273012R	Nut	M12-P1.75	1
MI-81550-2-35	C020004	Fence		1
MI-81550-2-36	C046020	Rod, handle		1
MI-81550-2-37	P029304Y	Knob	M12-P1.75	1
MI-81550-2-38	C020005	90° Block		1
MI-81550-2-39	C052027	10L Alive Bushing	Φ5/8"x10L.	1
MI-81550-2-40	S284007	Spring Washer	Φ8.2x § 15.4x3.2x2.0T	1
MI-81550-2-41	S136020	Screw Hex Hd	M8-P1.25x20L	1
MI-81550-2-42	S136035	Screw Hex Hd	M8-P1.25x35L	2
MI-81550-2-43	S212012	Screw	M6-P1.0x12L	1
MI-81550-2-44	S273010R	Nut	M10-P1.5	1





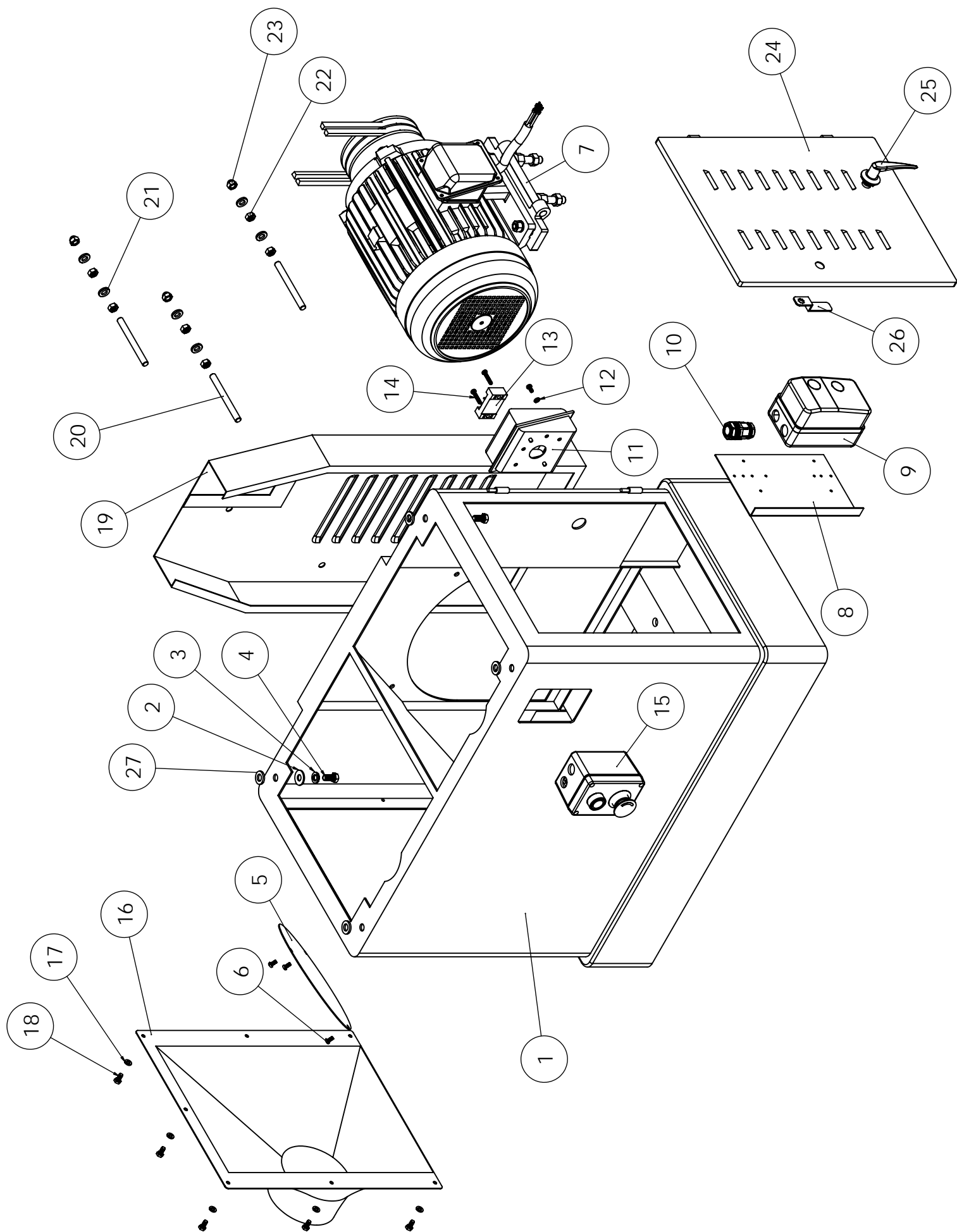
### PARTS LIST FOR MI-81550 、 MI-81552 ( CUTTERHEAD )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550--27-1	P052006	Helical Cutter		1
MI-81550--27-2	C009024	Support (L)		1
MI-81550--27-3	S026204ZZ	Bearing	6204ZZ Φ20xΦ47x14	2
MI-81550--27-4	C009025	Support (R)		1
MI-81550--27-5	S026206ZZ	Bearing	6206ZZ. Φ30x § 62x16	2
MI-81550--27-6	C053071	Lock Washer	Φ35xΦ8x3t	1
MI-81550--27-7	S136620L	Screw Hex H	M8-P1.25x20L (LH)	1
MI-81550--27-8	C010007	Bearing cover (L)		1
MI-81550--27-9	C010008	Bearing cover (R)		1
MI-81550--27-10	S201020	SCREW	M6-P1.0x20L	6
MI-81550--27-11	C064020	Pulley		1
MI-81550--27-12	S003178	Key	8x8x60L	1
MI-81550--27-13	S282113	Plate Washer	Φ10.5x § 37x3T	1
MI-81550--27-14	S284008	Spring Washer	Φ10.2x § 18.4x3.7x2.5T	1
MI-81550--27-15	S137640	Screw Hex Hd	M10-P1.5x40L.(LH)	1



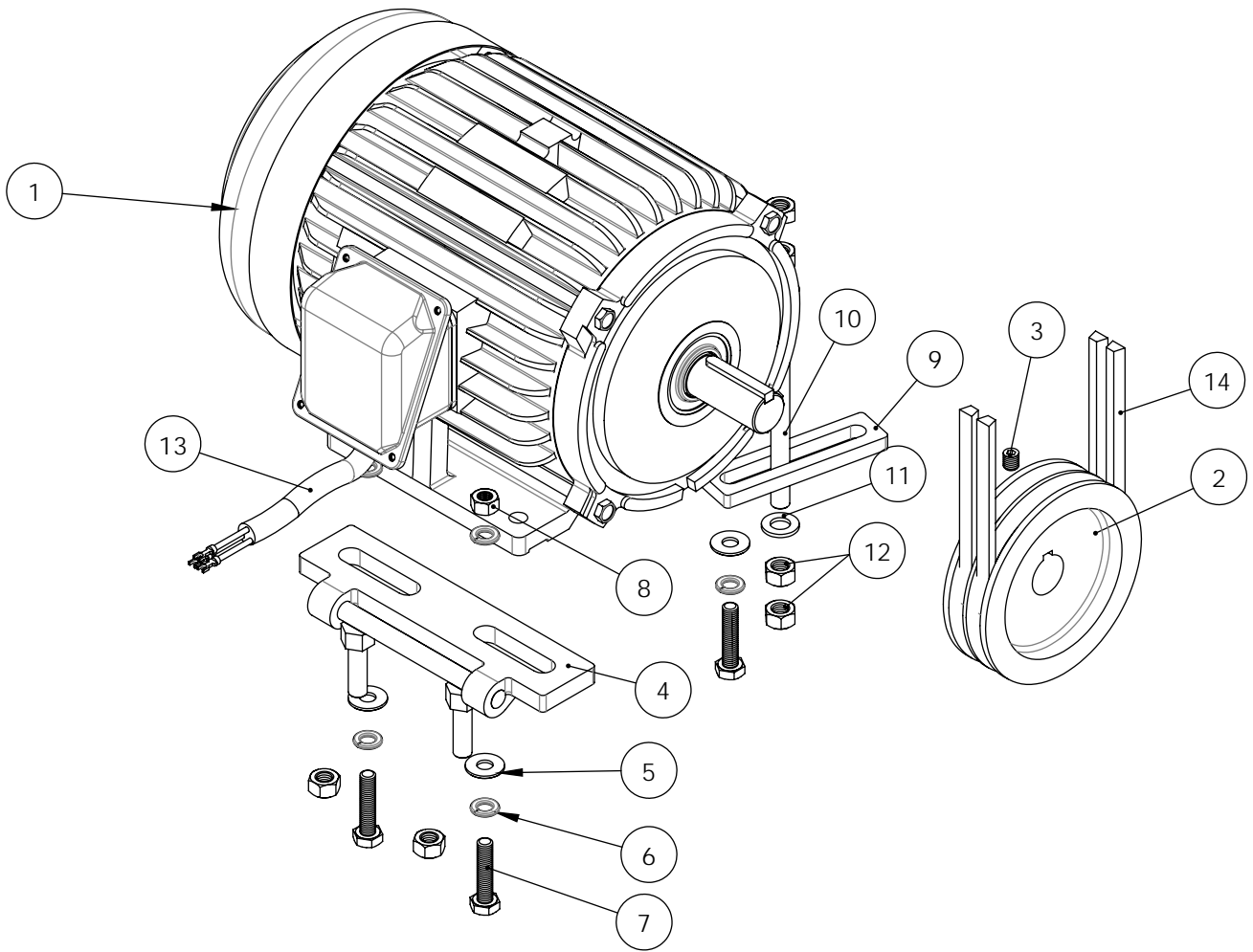
### PARTS LIST FOR MI-81550 、 MI-81552 ( Guard )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-37-1	C075013	SAFETY COVER		1
MI-81550-37-2	C051025	COLLAR		1
MI-81550-37-3	C039008	SHAFT		1
MI-81550-37-4	C060013	SPRING		1
MI-81550-37-5	C009023	STAND		1
MI-81550-37-6	S212016	HEX. SOCKET SCREW	M6-P1.0	2
MI-81550-37-7	S212010	HEX. SOCKET SCREW	M6-P1.0	1
MI-81550-37-8	C053024	WASHER		1
MI-81550-37-9	S248016	FLAT HEAD SOCKET SCREW	M8-P1.25x16L	1
MI-81550-37-10	C015156	SAFETY COVER SUPPORT		1
MI-81550-37-11	S284023	∅ 2.6x ∅ 5.2x1.0x0.6T		4
MI-81550-37-12	S186012	HEX. SOCKET HEAD SCREW	3/8"-16NCx2 1/2"L	4
MI-81550-37-13	C017043	LEFT SAFETY COVER SUPPORT		1
MI-81550-37-14	S186007	HEX. SOCKET HEAD SCREW	3/8"-16NCx1 1/4"L	2



## PARTS LIST FOR MI-81550 、 MI-81552 ( Base )

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-5-1	C002048	Stand		1
MI-81550-5-2	S282052	Plate Washer	Φ3/8"	4
MI-81550-5-3	S284023	Spring Washer	Φ3/8"	4
MI-81550-5-4	S100002	Screw Hex Hd	Φ3/8"-16NCx3/4"L	4
MI-81550-5-5	C074723	Cover, Dust Chute		1
MI-81550-5-6	S239003	Screw	Φ3/16"-24NCx3/8"L	5
MI-81550-5-7	T004041	Motor Pully Assembly		1
MI-81550-5-8	C022027	Plate, Switch		1
MI-81550-5-9	P074002E16K-1	Contactor	CSA, 1PH/5HP/220V	1
MI-81552-5-9	P074011E11	Contactor	CSA, 3PH/5HP/220V	1
MI-81550-5-10	P092302	Platic Bushing Gland	MG25A-18	3
MI-81550-5-11	S312001	Box, Junction		1
MI-81550-5-12	S284025	Spring Washer	Φ3/16"	2
MI-81550-5-13	S313001	Strip, Terminal		1
MI-81550-5-14	S239007	Screw	Φ3/16"-24NCx1"L	4
MI-81550-5-15	T075007	Switch		1
MI-81550-5-16	C077013	Hood, Dust	4"	1
MI-81550-5-17	S284024	Spring Washer	Φ1/4	7
MI-81550-5-18	S098001	Screw Hex Hd	Φ1/4"-20NCx1/2"L	7
MI-81550-5-19	C074027	Cover, Pulley		1
MI-81550-5-20	C034034	Screw	Φ3/8"-16NCx105L	3
MI-81550-5-21	S282064	Plate Washer	Φ3/8"	6
MI-81550-5-22	S273091	Nut	3/8"-16NC	6
MI-81550-5-23	S277001	Nut, Hex	3/8"-16NC	3
MI-81550-5-24	C073090	Door, Acess		1
MI-81550-5-25	P027001	Assembly, Hand		1
MI-81550-5-26	P027051	Assembly, Hand	2.2Tx19.05x83L	1
MI-81550-5-27	P066001	Rubber Washer, Flat	§ 22x § 12x3t	4



**PARTS LIST FOR MI-81550 · MI-81552 ( Motor Pulley Assembly )**

No.	Part No.	Description	SPECIFICATION	Q"TY
MI-81550-7-1	P040206R	Motor	1ph 5HP 60HZ 220V	1
MI-81552-7-1	P041206R	Motor	3ph 5HP 60HZ 220V	1
MI-81550-7-2	C064040	Pulley	Φ114.3x58L,5HPx2P,60HZ	1
MI-81550-7-3	S214013	Screw	M10-P1.5x10L	2
MI-81550-7-4	C063054	Bracket, Motor		1
MI-81550-7-5	S282011	Plate Washer	Φ10.5x ϕ 25x2.0T	3
MI-81550-7-6	S284008	Spring Washer		6
MI-81550-7-7	S137045	Screw Hex Hd	M10-P1.5x45L	3
MI-81550-7-8	S273010R	Nut	M10-P1.5	3
MI-81550-7-9	C015033	Plate		1
MI-81550-7-10	C048005	Rod	M12-P1.75x150L	1
MI-81550-7-11	S282012	Plate Washer	Φ13x ϕ 21x2.5T	2
MI-81550-7-12	S273012R	Nut	M12-P1.75	6
MI-81550-7-13	P100302C4	Power Cable		1
MI-81552-7-13	P100302C4	Power Cable		1
MI-81552-7-14	S300053	A Belt	A-53"L	2