VEVOR

Upgrade · The Home Creator Way

M1B-LS-3301(US)

M1B-LS-3301(EU)

M1B-LS-3302(US)

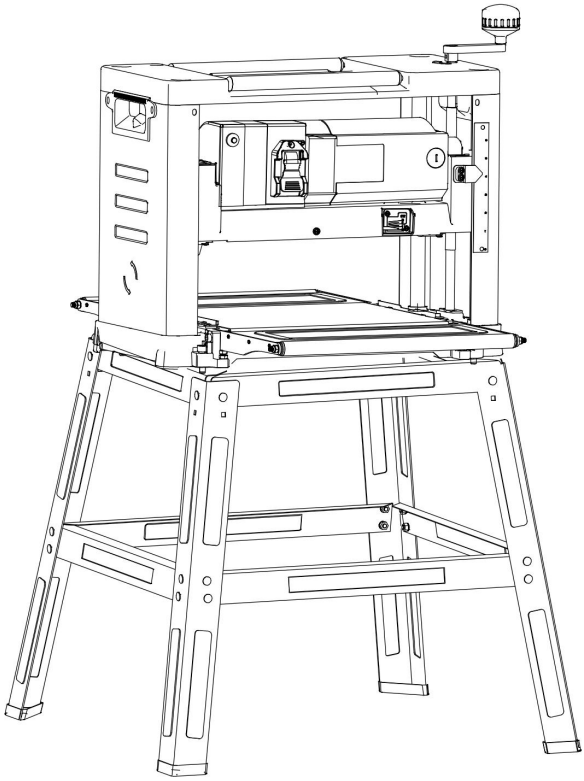
VEVOR Support Center

Thicknesser

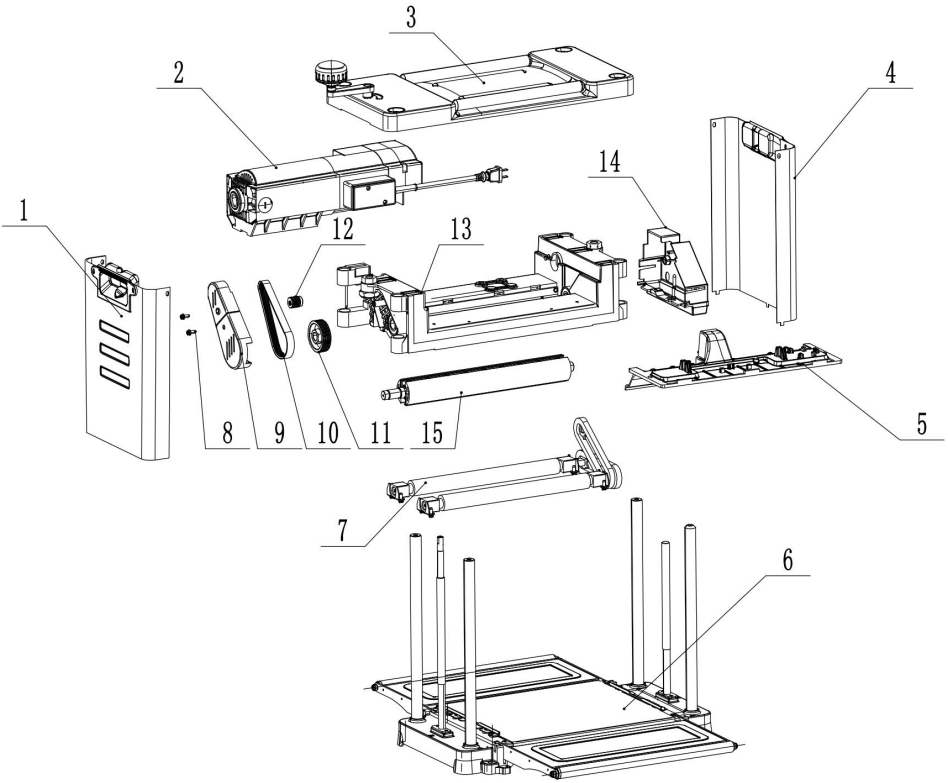
Model:M1B-LS-3301, M1B-LS-3302

VEVOR | Upgrade
The Home Creator Way

MODEL: M1B-LS-3301/M1B-LS-3302



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.



No.	Name	No.	Name
1	Left side plate	9	Belt cover
2	Motor component	10	Belt
3	Upper cover plate component	11	Big pulley
4	Right side plate	12	Small pulley
5	Dust cover	13	Engine component
6	Pedestal component	14	Chain cover
7	Rubber roller	15	Knife shaft
8	Belt cover screws		

SAFETY INSTRUCTIONS

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices
	Class II appliance,reinforced insulation or double insulation
	Keep the packaging material out of the reach of children --risk of suffocation.
	Warning - It is recommended to wear ear protectors before use
	Warning - It is recommended to wear protective goggles before use.
	Warning - It is recommended to wear a mask before use.
	Lwa=106.0dB Lpa=92.8dB

Keep the packaging material out of the reach of children -- risk of suffocation.

⚠ WARNING!

Always take basic safety precautions when using power tools to safeguard against the risk of fire, electric shock and /or personal injury.

1. **For safe operation.** We recommend that you take appropriate measures for the protection of hearing if the sound pressure of 85dB (A) is exceeded
2. **Keep the work area clean.**Cluttered work areas increase the risk of accidents and injuries.
3. **Keep the workplace environment safe.** Do not use power tools in damp or wet areas. Do not expose power tools to rain. Make sure the work area is well lit. Do not use power tools in explosive environments, such as in the vicinity of flammable liquids, gases or dust.
4. **Protect against the risk of electric shock**. Avoid body contact with earthed surfaces, Such as pipes,radiators,cookers and refrigerators.
5. **Keep children at a safe distance.** Do not allow onlookers to touch the tool or the extension cord. Onlookers should be kept away from the work area.
6. **Put away tools that are not being used**. When not in use, store the tool in a dry place out of the reach of children.
7. **Do not force the tool .** The tool does the job better and safer when used at the rate for which it was designed.
8. **Use the correct machine.** Do not force small machines or accessories to perform jobs that require a powerful machine, Use tools only for their intended purpose.
9. **Wear suitable clothing.** Do not wear loose clothing or jewellery. They can be caught in moving parts. Non-slip shoes are recommended when working outdoors.Wear a hair net if you have long hair.
10. **Wear safety glasses.** Wear a dust mask if the work generates dust.
11. **Be careful with the cable**. Never carry the tool by the cable. Do not pull the cable to disconnect the plug from the socket. Keep the cable away from heat, oil and sharp edges.
12. **Secure the workpiece.** Secure the workpiece with a stand. This is safer than using your hands and means you have both hands free to operate the tool.
13. **Do not overreach**. Always maintain a firm footing and good balance.

14. **Maintain the tool in good care.** Keep cutting tools sharp and clean for better, safer work. Follow the instructions for lubricating and for the replacement accessories. Check power cords regularly. If damaged, they must be replaced at an authorised service centre. Check extension cords at regular intervals and replace them if they are damaged. Keep the hands clean, dry and free from oil and grease.

15. **Always unplug the power cord.** When the tool is not being used, and before carrying out service work or changing accessories, such as knife blades/carbon brush/gears and so on.

16. **Remove adjuster keys/spanners and other assembling tools.** Remove adjuster keys/spanners and other assembling tools before starting the power tool.

17. **Avoid accidental starting.** Never carry a power tool with your finger on the switch when it is connected to the mains. Make sure the power switch is in the OFF position before plugging in the power cord.

18. **If using the tool outdoors. O**nly use an extension cord approved for outdoor use

19. **Stay alert .** Always be careful when using the equipment. Use your commonsense ,Do not use the tool if you are tired.

20. **Connect dust extraction equipment .** If dust extraction and dust collection equipment is provided. This should be connected and used correctly.

21. Check for damaged parts, If a guard or some other part has been damaged,check carefully before using the tool to ensure that it will operate correctly and as intended. Make sure that moving parts are properly adjusted and do not jam and that no parts are incorrectly fitted or damaged. Check for any other factors that could influence functionality. Guards or other parts that are damaged must be repaired or replaced by an authorised service centre. Unless otherwise specified in these instructions. If the power switch does not work, it must be replaced by an authorised service centre. Do not use the tool if it cannot be switched on and off using the power switch.

WARNING! The use of accessories or attachments other than those recommended in these operating instructions can result in personal injury. Repairs must only be carried out by qualified personnel. This power tool has been manufactured in compliance with current safety standards and requirements. Repair may only be carried out by qualified personnel using identical spare parts.

Failure to carry out repairs correctly can result in the risk of personal injury/death or material damage

NOTE: A temporary voltage drop can occur when starting the machine, which could affect other equipment. If the main supply impedance Zmax is lower than 0.206ohms, this kind of interference is common. Contact your electricity supplier for more information.

IMPORTANT SAFETY INSTRUCTIONS

1. Wear safety glasses, Don't send wood out feed side.
2. Before use, check that all screw connections are properly tightened.
3. Do not force the tool. Let the feed mechanism do the work. Never insert objects or body parts in the outfeed.
4. Check regularly that the rubber roller and iron roller are clean. If the rollers are contaminated the workpiece will not be fed correctly- risk of personal injury.
5. Do not machine workpieces with many knots or sprigs.
6. The operating position is in front of the machine. Stand by the side of the in feed table.
7. Remove any nails,screws and other metal objects from the workpiece before machining.
8. Check that the blades are correctly installed.
9. Handle the knife blades with care--risk of personal injury and/or damage to property.
10. Never start to planer until the blade shaft has reached full speed
11. Never use blunt blades-risk of kickback.
12. Always replace or sharpen all blades at the same time. All blades must be of the same size and weight.
13. Never insert your fingers or other body parts in the chip outlet side--risk of personal injury-- DANGER.
14. Please check the recoil claw is in the correct position.
15. If infeed wood not smooth,please don't force the wood,check if machine have some problems.
16. Do not wear gloves to plane wood
17. Do not plane wet wood; it will cause the feed roller to slip and lead machine to break.

18. Do not plane hard wood; it will shorten the working life of the knife blades.
19. Do not plane the wood too long, the machine will be overloaded, influencing the wood planing surface effect.

WARNING OF DANGER AGAIN

This machine has enabled you to recognize some dangers after reading the manual, but there are still some other dangers

1. It is strictly prohibited to insert wood into the workbench before turning on the machine. Such an incorrect operation may cause the rotating knife shaft to get stuck by the wood when the machine starts, resulting in an instantaneous overload of the load and damage to the belt and chain and other components.
2. The machine must be set according to the yellow warning label on the machine, which indicates the recommended wood width and the corresponding single wood cutting thickness. Operating beyond the specified range will cause damage to the machine parts and shorten its service life.
3. The dust collection cover must be correctly installed and the vacuum cleaner properly connected before starting to use the machine. Failure to do so properly may cause the wood chips to be discharged unevenly, thereby damaging the machine.

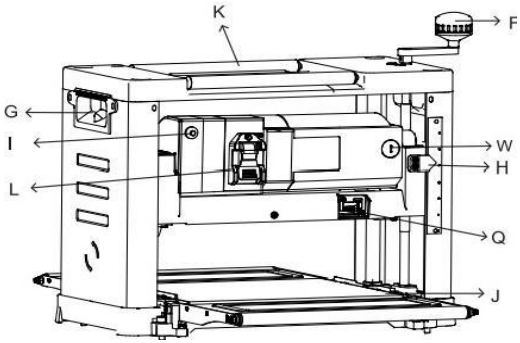
TECHNICAL DATA

Models: / Specs:	M1B-LS-3301 For US user	M1B-LS-3301 For European users	M1B-LS-3302 For US user
Rating(s):	110V~ 60Hz 2000W	230V~ 50Hz 2000W	110V~ 60Hz 2000W
Max planing width:	330mm（13inch)	330mm（13inch)	318mm（12.5inch)
Feed Speed:	6m/min	6m/min	6m/min
blade:	2pcs	2pcs	2pcs
Planing depth:	0-3mm	0-3mm	0-3mm
Planing height:	6-160mm	6-160mm	6-160mm
FOOT FRAME	✔	✔	✔
Tested wood width is 150mm for feeding speed			

DESCRIPTION

1. The tool is designed for planing wooden planks and dry wood. It is forbidden to plane other materials, such as metals, plastics, branches, tree trunks, wet wood and very hard wood.

2. The tool is intended for household and professional use3. please use this machine under correct operation, if don't know how to use it, please contact with us.





E-Knife blade bit gauge	F-Depth adjustment handle	G-Carrying handle
H-Depth scale	I-Overcurrent protective device	J-Extension table
K-Roller bar	L-Switch	M-Allen wrench
N-Open spanner	O-Rubber feet	W-Carbon brush cover
Q-Depth of cut gauge	U-Dust hood screw	AA-Stand rubber feet
BB-Stand allen wrench	CC-Stand open spanner	DD-Stand screws

OPERATION STEPS

Unpacking

Carefully unpack the machine. The packaging must be recycled in accordance with local regulations.

WARNING! Turn off the machine and unplug the power cord before cleaning performing maintenance and adjustment.

Assembly

Before using the machine it must be in accordance with the requirements of the assembly complete.

INSTALL FOOT FRAME:

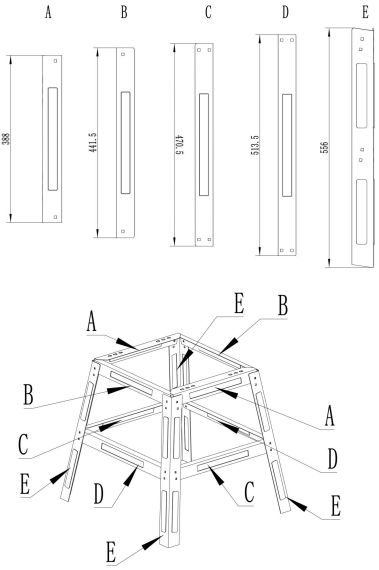
Accessory:Total 12pcs foot frame; 1 bag screws;

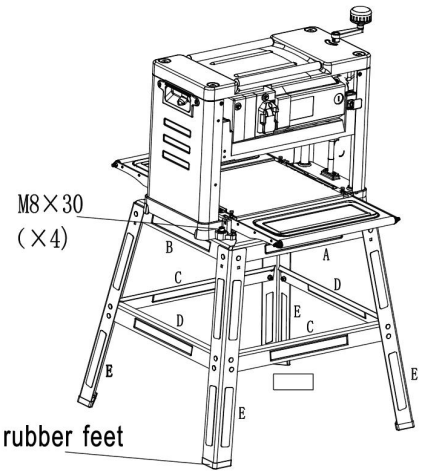
1.Open screw bag, take out 12pcs foot frame use screws to assemble 12pcs foot frame.see below picture.

A: 2pcs B: 2pcs C: 2pcs D: 2pcs E: 4pcs

2.Put machine on the foot frame, use 4pcs M8X30 screws to tighten with foot frame.See below picture.

3.Put 4pcs rubber feet on the bottom frame.



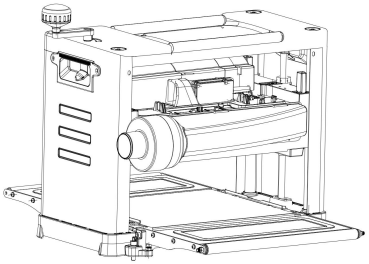


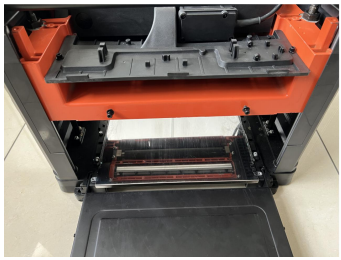
Evacuation of shavings and wood dust:

Connect a dust collection system or shop vacuum to the dust chute.The dust extraction port size is 51mm/101mm(outer diameter)

Note: If you do not plan on using a dust collection system of any kind,you may open up the bottom of the dust chute to allow wood chips and shavings to fly out the back of your planer.

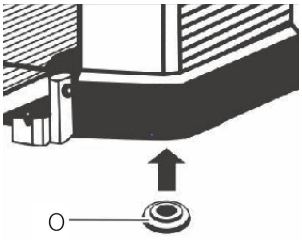
This will, however, make a mess in your work area.





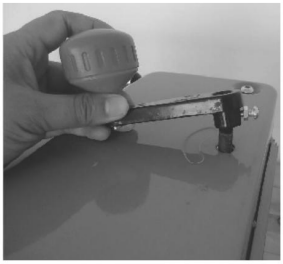
Install rubber feet (O):

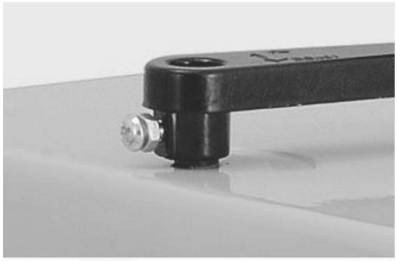
If no need use foot frame to working, please put 4pcs rubber feet into the four holes in the button of the machine.



Install depth Adjustment handle

Place the depth adjustment handle (F) on the protruding shaft to the right of the machine's top surface. Push on the handle firmly and lock it with the supplied screw.

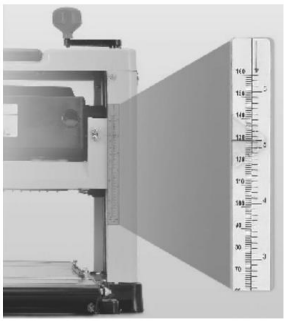




Adjust depth of the planer In order to be able to completely correct and safely operate this machine, User must be know how to correctly adjust, Very Importent!!!

Rotate the depth adjustment handle(F) a circle, the machine depth can be raised or lowered by 1.5 mm.

Before using, please plane the wood a few times, that's can ensure the surface of the wood is completely horizontal in later use. Please refer to the correct wood width range to adjust the depth of the one-time planer:



 width of wood (mm)	cutting depth (mm)
0~100	0~3
160~210	0~2
210~330	0~1

At first, user needs a ruler to measure the thickness of the wood to be planed, Then observation depth label (H) to adjust the depth label to the thickness of the planer required by the user.

For example, the thickness of wood is 200mm, user wants to planer 2mm, so depth label pointer is 198mm. In this way, the thickness required by the user can be reached during the one- time working process.

Please note:The distance between the bottom of the machine and the knife shaft is the thickness of the wood when it is planed; The difference between the thickness of the wood when it comes out of the machine and the thickness when it comes in is the thickness of the wood that was shaved off.

1. Width of wood 0-100mm, we suggest cutting depth adjust 0-3mm, Max 3mm per time.
2. Width of wood 160-210mm, we suggest cutting depth adjust 0-2mm, Max 2mm per time.
3. Width of wood 210-330mm, we suggest cutting depth adjust 0-1mm, Max 1mm

per time.

Warning! The length of the wood must not be less than 153mm.The thickness of the wood must not be less than 10mm.

Operate switch (power ON/OFF)

Plug the power cord into the main supply. If you are using an extension cord, the cross section of the conductors must be sufficient for the tool's power supply. Avoid inappropriate use of cable. as this can lead to voltage drop and cause power loss and overheating.



Up press the button marked “I” to start the machine. Down press the button marked ”0” to stop the machine.

OPERATION

Coarse PLANING

Coarse planing is used to provide a reference surface for machining.

1. Set a small removal setting for the best surface finish.
2. Process where possible along the grain.

Note :the surface finish is affected by various factors.

1. the wood's hardness,moisture content,fibre structure. etc.
2. Blade sharpness,machining direction,material removal per pass.etc.
3. Perform test machining to find the best setting.

PLANING

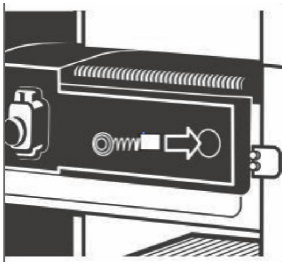
Planing involves material removal of the workpiece to the desired thickness, the machining of the surface opposite a coarse planed reference surface.

MAINTENANCE WARNING :

Turn off the machine and unplug the power cord before cleaning and maintenance, Do not use water or other liquids to clean electrical parts.

CHECK AND REPLACING THE CARBON BRUSH

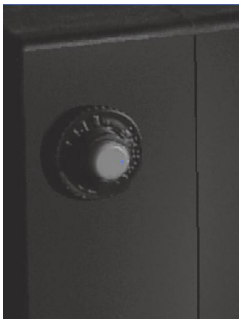
1. Turn off the machine, unplug the power cord and wait until all moving parts have stopped completely.
2. Dismantle the carbon brush cover (W) as illustrated using a screwdriver.
3. Fit the new carbon brushes. Always replace both carbon brushes at the same time.
4. Replace the carbon brush cover (W).



Overcurrent protective device correct use and replacement (I)

When the load power is too large, the current exceeds the load, so the overcurrent protective device will jump!

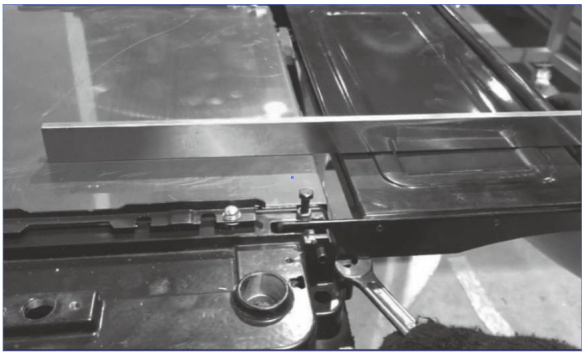
1. When the overcurrent protective device jump,first disconnect the power supply of the machine, then press the protective button to reset it
2. When pressing the protective button to reset it, don't reboot immediately. Need to wait for the machine temperature to cool then start for use.
3. If overcurrent protective device jumps frequently. please replacement a new.



ADJUST TABLE EXTENSION (J)

Attention: this adjustment is already factory set ok ,in order to avoid affecting the function of the machine . need to check again.

1. Put the engine body up to a suitable height , so that it is easily assembly.
2. Place a horizontal rule on the main worktable, use rule to measure the table extension (J) and main worktable's level.
3. If the table extension (J) are not flush with the main worktable, loosen the nut and turn the screw until table extension's rollers and the main worktable touch the ruler.Adjust both the left and right -hand table extensions (J).



ENGINE BODY LEVEL ADJUSTING

ATTENTION: This adjustment is already factory set ok. in order to avoid affecting the function of the machine. need to check again. Poor parallelism is usually caused by misaligned blades or A fall in transit that causes the body to tilt. Always check that the blade holder and the work table are parallel before attempting to adjust the parallelism setting.

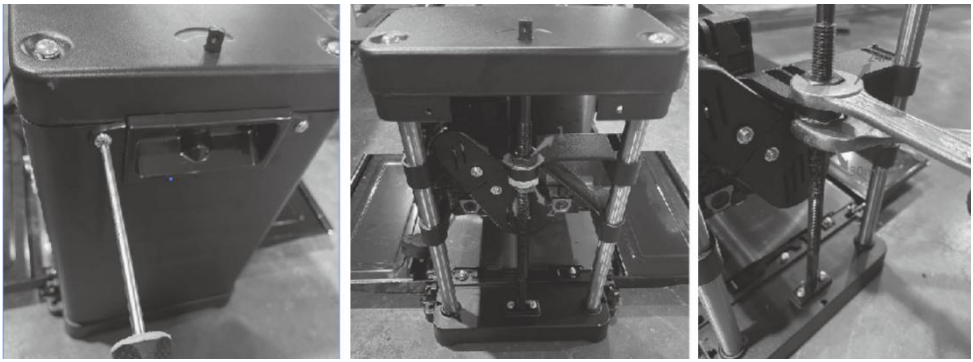
Engine body is lowered to a certain height by rotating the handle, two wooden blocks of the same height are placed at the lower end of the body and clamped tightly

1. Loosen the two screws on the handle of the right panel using a cross screwdriver,see picture 1 Attention: only need to adjust right panel
2. Take off right pane
3. Use 24mm open wrench +30mm open wrench to adjust engine body up and down. Position 1 use 24mm open wrench, position 2 use 30mm open wrench. 24mm open wrench clamp 24mm nut do not rotate and turn the 30mm open

wrench one turn to the left (clockwise) to keep the screw nut loose

4. Use 24mm open wrench adjust 24mm nut, rotate clockwise to raise the engine body and counterclockwise to down the engine body, Until the engine body is level with the base

5. Use 24mm open wrench clamp 24mm nut do not rotate, use 30mm open wrench tighten 30mm nut



Replacing and Adjusting the blades

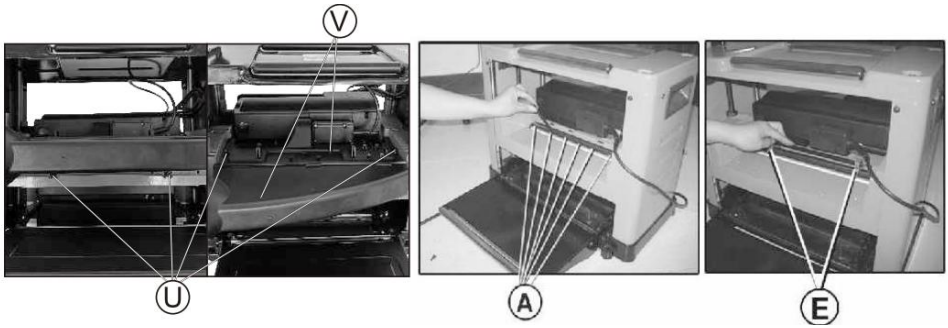
WARNING !Turn off the machine, unplug the power cord and wait until all moving parts have stopped completely before replacing or adjusting the blades.

Dismantling the knife blade

1. Use Allen wrench (M) to remove the dust hood and cover plate(V) by loosening the dust hool screw (U), see below picture.

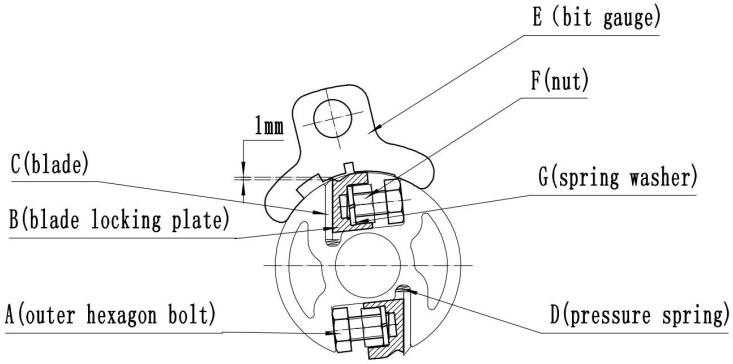
2. Use the double open wrench (N) to loosen the blade locking plate (B) and knife blade (C) by turning the outer hexagon bolt (A) clockwise. The knife blades are spring-loaded (D) and can be removed when the blade locking plate is removed.

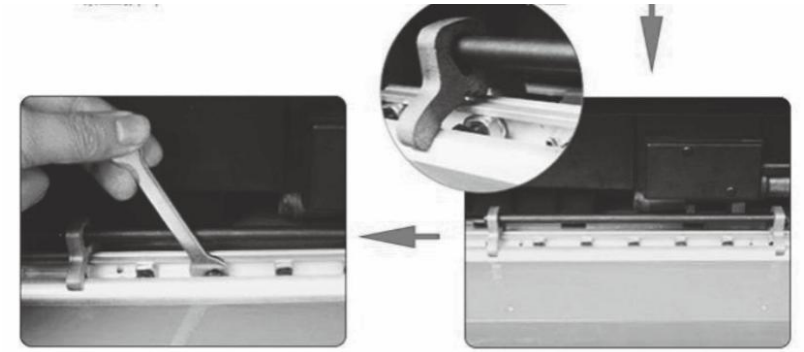
3. Remove the knife blade and blade locking plate.



Install the knife blade

1. First ensure that the pressure springs (D) on the knife shaft are in the fixed holes
2. Align the hole in the knife blade with the pin in the blade locking plate,
3. Insert the 8 outer hexagon bolt (A) into the fixed hole of the blade locking plate
4. Insert the knife blade (C) and knife locking plate(B) and 8 outer hexagon bolt (A)together in the slot and lock in position by turning the outer hexagon blot (A)anticlockwise but not 100% tightened. Ensure that the blades face in the right direction (see picture).
5. Set the height of the knife shaft of the knife blades as 1mm with the bit gauge(E),That two support blocks on left and right sides of bit gauge are pressed against the knife blade.(Loosen, if necessary, the clamping screws to move the blade to the correct position.) When the knife blade is positioned correctly. Hold it firmly in place and tighten all outer hexagon bolt (A).





Warning! Check that total 16 screws are tightened.Turn the blade holder by hand to check that it rotates easily and smoothly. Handle the blades with caution to avoid personal injury and/or damage to property.

LUBRICATION:

1. Regularly remove shavings from the depth setting chains, reduction drive and lifting screws for the blade holder.

2. Remove chips with a cloth and brush and lightly grease with a clean brush dipped in oil.

3. Never pour oil directly on the components-- too much oil means dust will stick and impair lubrication, which in turn shortens component life.

4. The blade holder's bearings are sealed and must not be lubricated.

MAINTENANCE

1. Keep the machine clean and free of dust and chips.
2. Clean reaped materials from the blade holder and tongues and carefully lubricate with a clean brush dipped in oil.
3. Remove resin and the like from the rollers and work table with a non-flammable solvent.
4. Clean plastic parts with a damp cloth and mild detergent. Never immerse the tool in water or any other liquid. Never use detergents or alcohol.
5. Always check that all guards and other components are correctly fitted before use Guards or other parts that are damaged must be repaired or replaced by an authorised service centre, unless otherwise specified in these instructions.

1.Warning-To reduce the risk of injury, user must read instructions manual carefully.
2.The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
3.This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
4.Children shall not play with the appliance.
5.This appliance shall not be used by children. Keep the appliance and its cord out of reach of children.
6.Please properly keep product. Check whether the product is abnormal before use. If it is abnormal, please stop using it.
7.Please use the product according to the intended use, warn of potential injury from misuse.
8.Switch off the appliance and disconnect from supply before changing accessories or approaching parts that move in use.
9.Always disconnect the appliance from the supply if it is left unattended and before assembling, disassembling or cleaning
10.WARNING: Only use the supply unit provided with this appliance.
11.WARNING: Use only an external supply with the following specifications: Refer to Table“TECHNICAL DATA”
12.Read and understand all instructions before operating this machine.
13.Always wear safety goggles. Do not wear gloves, loose clothing, jewelry, or long hair near moving parts.
14.Keep hands, fingers, and body away from the cutting tool, ram, table, and all moving components.
15.Secure the workpiece firmly with proper clamps or fixtures. Do not hold workpiece by hand.
16.Disconnect power before adjusting, changing tools, cleaning, or performing maintenance.
17.Do not reach across the cutting area or touch the tool while the machine is running.
18.Do not force the machine or overload it beyond its capacity.
Stop the machine immediately if abnormal noise, vibration, or damage occurs.
19.Do not remove or disable any safety guards or protective devices.
Keep children and bystanders away from the work area during operation.
20.Use only in well-lit, clean, dry, and non-flammable environments.
Ensure the machine is properly grounded to prevent electric shock.
Maintenance and repairs must be done by qualified personnel only.

