



WORX



SAFETY AND OPERATING MANUAL

Planer

WX623

SAFETY INSTRUCTIONS



WARNING: Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled

cords increase the risk of electric shock.

- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
 - f) **Recommendation for the use of a residual current device with a rated residual current of 30 mA or less.**
- ## 3. PERSONAL SAFETY
- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
 - b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
 - c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
 - d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
 - e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
 - f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
 - g) **If devices are provided for the connection of dust extraction and**

collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.

4. POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for

operations different from those intended could result in a hazardous situation.


5. BATTERY TOOL USE AND CARE

- a) Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.
 - b) Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack.
 - c) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
 - d) When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screw, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or fire.
 - e) Under abusive conditions, liquid may be ejected from the battery; avoid contact, if contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- #### **6. SERVICE**
- a) Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that that safety of the power tool is maintained.

ADDITIONAL SAFETY POINTS FOR YOUR PLANER

1. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
2. When an extension cable is required you must ensure it has the correct ampere

rating for your power tool and is in a safe electrical condition. Fully unwind cable drum extensions to avoid potential overheating.

3. Ensure your mains supply voltage is the same as indicated on the rating plate.
4. Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool. 
5. Always check walls, floors and ceilings to avoid hidden power cables and pipes.
6. After long working period's external metal parts and accessories could be hot.
7. Wear eye protection when operating this tool.
8. The base plate must always be held firmly against the material being cut to reduce vibration and blade jumping.
9. If possible, ensure the workpiece is firmly clamped to prevent movement.
10. Your Planer is a hand held tool; do not clamp your planer.
11. Before cutting, check the cutting line is free of nails, screws, etc.
12. Never stop the cutting blade by applying pressure to the blade.
13. Only withdraw the planer from the cut when the blade has stopped moving.
14. Only use blades in excellent cutting condition.
15. Do not put your fingers into the sawdust extraction. Use a wooden stick to unblock any material.
16. Wait for the cutter to stop before setting the tool down, an exposed cutter may engage the surface leading to possible loss of control and serious injury.
17. Always wear a dust mask.
18. **Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring.** Contact with a 'live' wire with also make exposed metal parts of the tool 'live' and shock the operator condition.

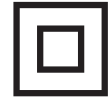
SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Double insulation



Wear eye protection



Wear ear protection

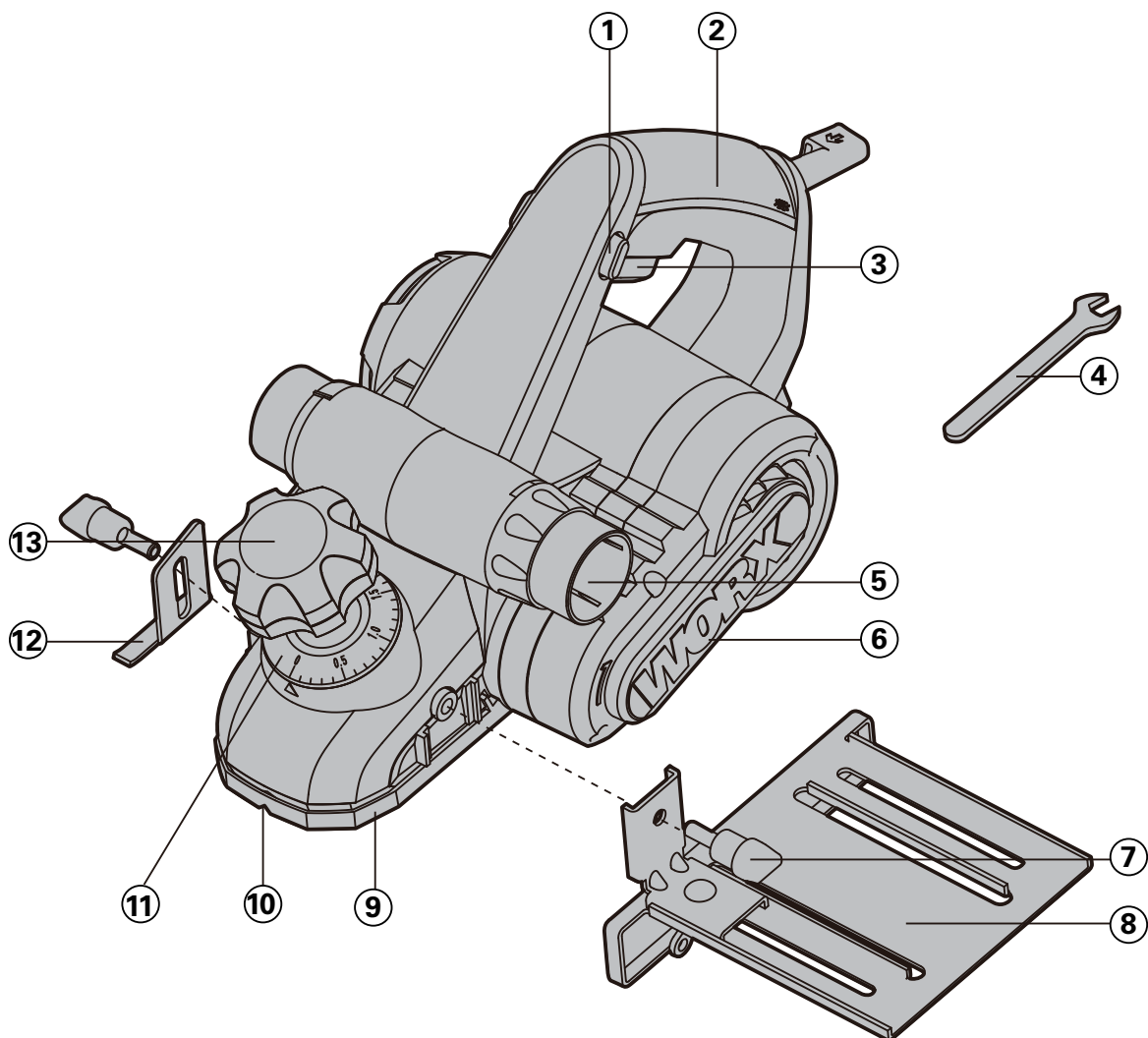
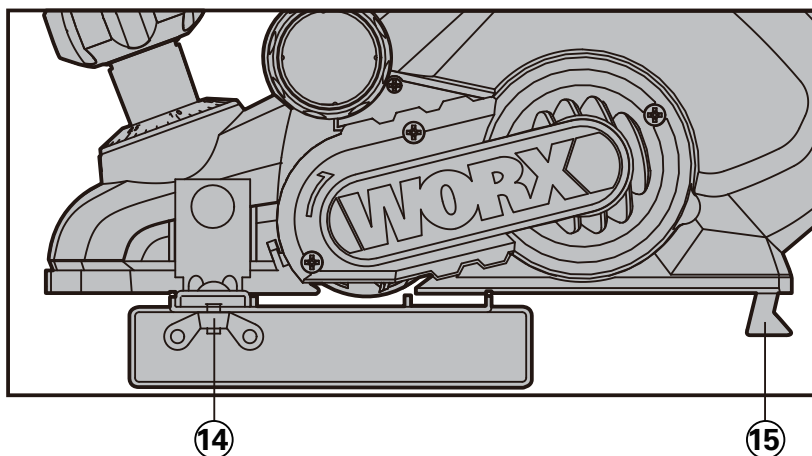


Wear dust mask



RCM marking

5112



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- 1. LOCK OFF BUTTON**

 - 2. HAND GRIP AREAS**

 - 3. ON/OFF SWITCH**

 - 4. SPANNER**

 - 5. DUST EXTRACTION TUBE**

 - 6. BELT COVER**

 - 7. LOCKING SCREW**

 - 8. PARALLEL GUIDE**

 - 9. BASEPLATE**

 - 10. V-GROOVE**

 - 11. PLANING DEPTH SCALE**

 - 12. REBATE GUIDE**

 - 13. DEPTH ADJUSTMENT KNOB**

 - 14. SCREW**

 - 15. BASEPLATE STAND**


 - 16. BLADE (See Fig. F)**
-

*** Not all the accessories illustrated or described are included in standard delivery.**

TECHNICAL DATA

| | |
|---------------------|---|
| Rated voltage | 230-240V~50Hz |
| Rated power | 950W |
| Rated no load speed | 14500/min |
| Protection class |  /II |
| Max cutting width | 3mm |
| Max rebating depth | 20mm |
| Max cutting width | 82mm |
| Machine weight | 3.5kg |

NOISE AND VIBRATION DATA

| | |
|---|---|
| A weighted sound pressure | LpA xx dB(A) |
| $K_{PA} = 3\text{dB(A)}$ | |
| A weighted sound power | LwA xx dB(A) |
| $K_{WA} = 3\text{dB(A)}$ | |
| Wear ear protection when sound pressure is over | 85 dB(A)  |
| Typical weighted vibration | $\times \times \text{m/s}^2$ |
| K | 1.5m/s ² |

ACCESSORIES

| | |
|----------------------------|--------------|
| Parallel guide | 1 pc |
| Blades (on machine) | 2 pcs |
| Rebate guide | 1 pc |
| Spanner | 1 pc |
| Dust bag | 1 pc |
| Spare belt | 1 pc |
| Vacuum adapter | 1 pc |

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

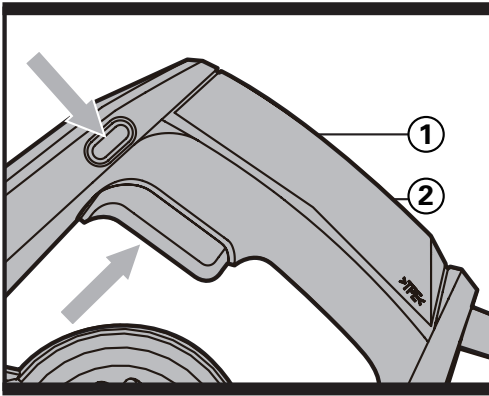
OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

1. SAFETY ON/OFF SWITCH

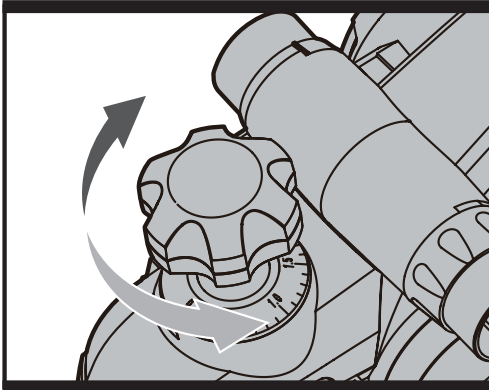
The switch is locked off to prevent accidental starting. Depress the lock off button (1) then on/off switch (3) and release lock off button (1). The machine is working now. To switch off just release the on/off switch. (See A)



A

2. CUTTING DEPTH ADJUSTMENT

Smaller cutting depth of 0-3mm is best for most surface planing or rebating. Rotate the depth adjustment knob (13) to set the required cutting depth on the scale, Scale graduation = 0.1mm. The clockwise rotation increases the planing depth; the anti-clockwise rotation reduces the planing depth. (See B)

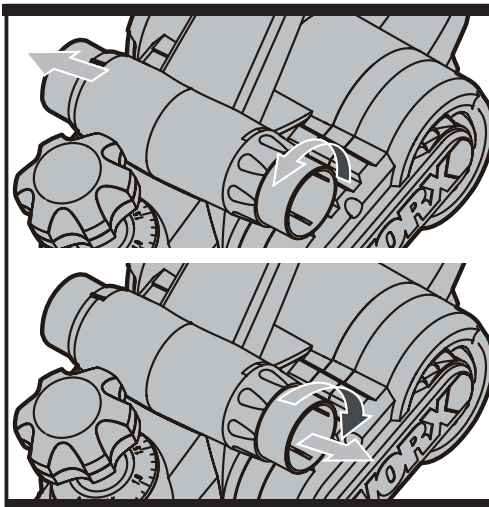


B

3. ADJUST DUST EXTRACTION TUBE AND CHIP EJECTION

Dust extraction tube can be adjusted to the right or left side by manually. Rotating one end of the dust extraction tube (5) until it stops (See C). The arrowhead on the dust extraction tube indicates the dust extraction direction.

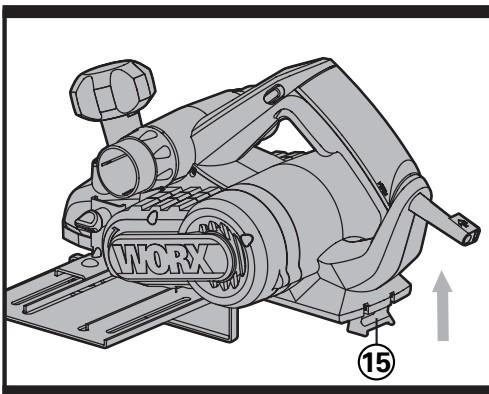
NOTE: Due to the size and material of some wood shavings e.g. wet or hard wood it is possible for the dust extraction tube to become blocked. Remove the plug from the mains power supply, then using a wooden stick clear the blocked dust extraction.



C

4. BASEPLATE STAND (See Fig. D)

Uplift the rear of the planer, the baseplate stand (15) can make the machine to be set down directly and protect the cutting blades from any damage and the blades from damaging the surface. When planing, the stand will be pushed away by the end of the wood. Always check the stand is free to move on the base plate.



D

5. BLADE FITTING AND CHANGING (See Fig. E, F, G)



WARNING: Remove power cord from the socket before carrying out any adjustments or changing blades.

The blade has two cutting edges, which can be reversed. When replacing or reversing the plane blades, the guide groove guarantees constant height adjustment.

NOTE: Dull and worn blade cannot be reground and must be replaced.

Remove the plug from the mains socket. Using the spanner (4) provided loosen the 3 bolts approximately 1/2 rotation counter-clockwise (See E). Holding the blade clamp in position, using a piece of wood slides the blade (16) out of the blade clamp to remove the blade from the blade clamp (See F).

NOTE: There is no need to remove the blade clamp as this can change the factory settings for cutting blade height control.

Before reinserting a new or reverse blade, always clean both the blade and the blade seat if dirty. Slide the blade into the blade clamp in the correct orientation. Check the blade is equal with the clamp. (See G) When tightening the screws ensure the correct tightening sequence (Left right middle). Before starting, rotate by hand to check the roller is free to rotate.

Rotate the blade head by a further 180° and repeat the procedure disassembling the second plane blade.

NOTE: Make sure blade move out/in freely without safety cover's obstruction during change blade.

6. REPLACING A DRIVE BELT

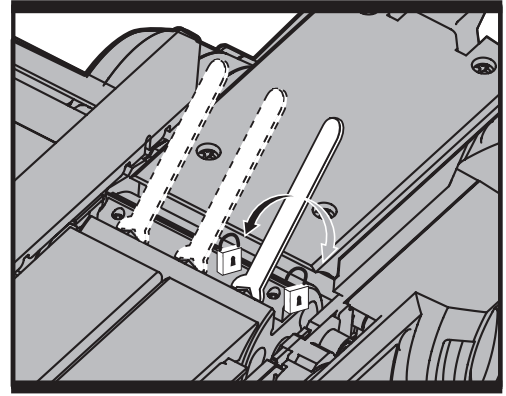


WARNING: 1. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

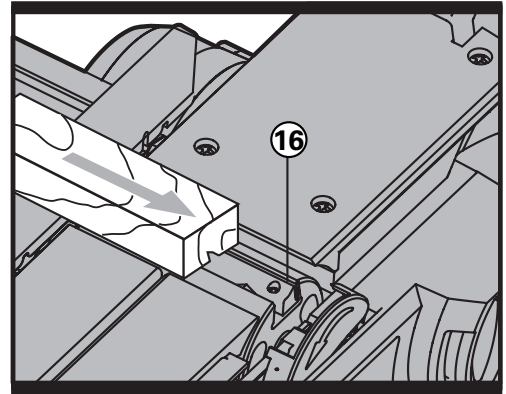
2. The cutting blades will be turning and may cause injury.

Loosen screw and remove belt cover (6), remove worn drive belt from large pulley (a) and pinion (b) and clean them (See H). Place the new drive belt on the top of pinion and turning it manually, press it on the large pulley (a). Make sure the drive belt runs exactly along the length grooves of the pinion and the pulley.

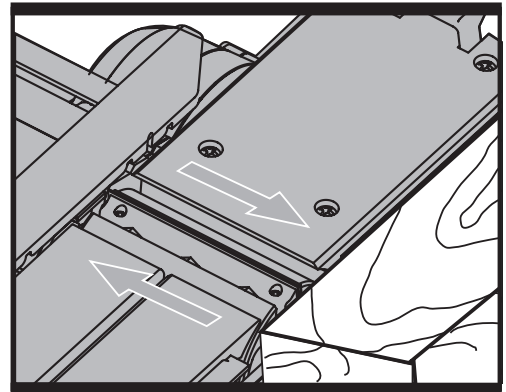
NOTE: Place the belt cover (6) back on top and tighten it with screw.



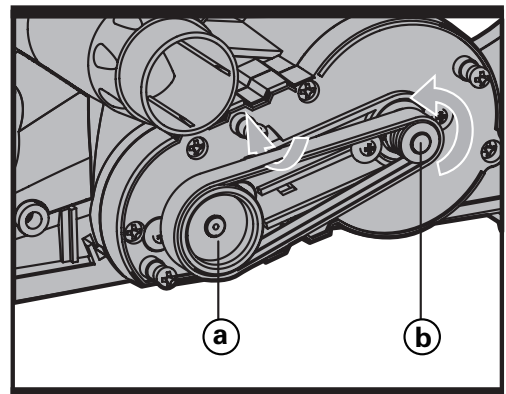
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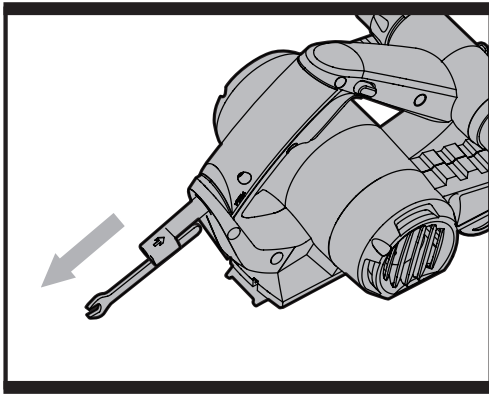
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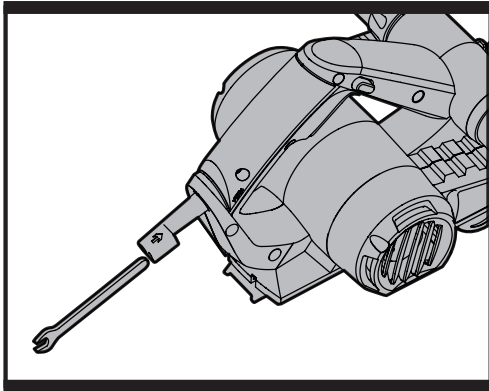
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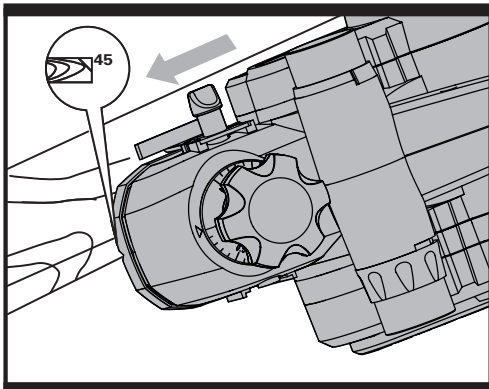
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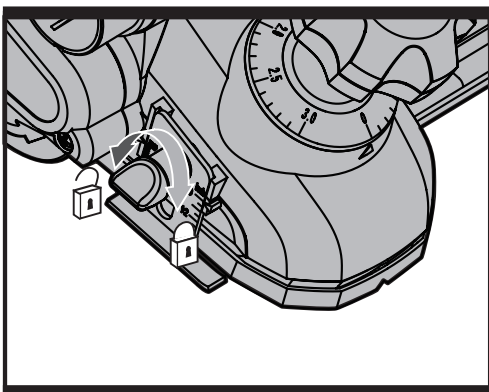
I



J



K



L

7. FITTING A DUST BAG

This accessory can be fitted by sliding the dust bag inlet over the planer dust extraction tube(5) as far as possible. The dust bag will reduce the efficiency of the exhaust system and the bag must be emptied frequently to maintain the efficiency. To empty, open the zip on the rear of the dust bag.

NOTE: This accessory can be used for smaller jobs.

8. EXTERNAL DUST EXTRACTION

The dust extraction tube is best connected to a suitable external dust extraction machine e.g. vacuum cleaner.

9. SPANNER STORAGE (See Fig. I, J)

The spanner is stored at the rear of the planer. Put it out when in use.

WORKING HINTS FOR YOUR PLANER

! WARNING: Danger of kickback! Apply the machine to the work piece only when switched on.

1. STANDARD SURFACE PLANING

Set the desired cutting depth. Position the front part of the base plate flat onto the work surface. Switch the machine on and push your planer forward and it will start cutting, always maintain all of the base plate flat on the work surface to prevent the cutting blade jumping. Move the plane evenly over the work surface. For most applications 0-3mm max cutting depth will produce a good surface finish. It is best to use small depths of cut and repeat the planing process.

2. EDGE CHAMFERING

Using the V-groove in the base plate (9) you can make a chamfer on the work piece edge (See K). Guide the planer along the edge and maintain a constant angle and force to produce a good finish. You can control the angle of the chamfer with your hands. Make a test chamfer on a scrap piece of wood. Ensure your work piece is clamped and supported near the edge.

3. REBATING

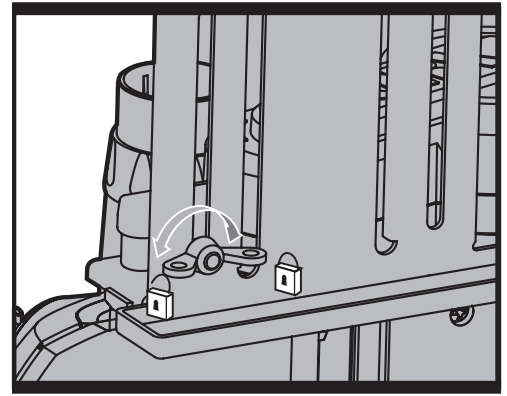
You use the rebate guide (12) and the parallel guide (8) accessories (supplied with your tool). Fit these accessories to your planer. Set the required rebate depth using the scale and the mark on the planer housing next to the scale (See L) Loosen locking screw(7) and adjust the required rebating width(max 82 mm). (See M) Tighten locking screw (7). Adjust the desired rebating depth with the rebate guide (12) accordingly (max 20 mm) (See N). Plane as often as necessary to achieve the desired rebating depth. Make sure the plane is guided with a lateral supporting pressure.

MAINTENANCE

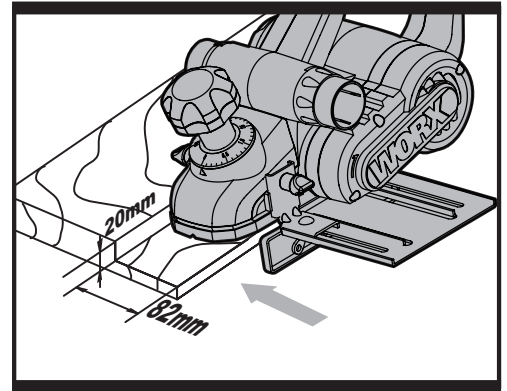
Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



M



N

WORX
you've got the power

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