

OLYMPIATOOLS®

GOOD QUALITY. GREAT VALUE.

USER MANUAL

X20s™
BATTERY SYSTEM

PLANER 1x 2AH

X20SPL1



UK
CA CE

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SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNING SYMBOLS

The following warning symbols appear throughout this user guide and indicate the appropriate safety measures you should take when assembling and operating the planer.

⚠ WARNING!

This symbol marks a point of safety, indicating a warning. Ignoring this safety symbol could result in an accident to yourself or others. To limit the risks of injury, fire or electrocution, always follow the recommendations indicated.

Safety warning symbols - Battery charger



Protection Class II
(double insulated)



Indicates T3.15A time lag fuse
with rated current of 3.15A



For indoor
use only

Safety warning symbols - Battery



Do not burn



Do not expose to rain or water



Do not expose the battery to sunlight or excessive temperatures. Do not charge or store the battery where the temperature is below 0°C or greater than 45°C.



Positive terminal



Negative terminal



LI-ION

Olympia Tools provides a facility for the collection and recycling of rechargeable LI-ION batteries once they have reached the end of their working life. To dispose of your battery please return to any Olympia Tools stockist who will collect on our behalf. Alternatively consult your local waste authority for information regarding available recycling and/or disposal options. Your battery will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.

Compliance and recycling symbols



Complies with all relevant UK regulations



Complies with relevant European regulations



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - GENERAL POWER TOOLS

⚠ WARNING!

Read all safety warnings and instructions. Failure to follow 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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

1. **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.

2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

Personal safety

1. **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.
2. **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.



3. **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.

4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, 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.

Battery tool use and care

Power tool use and care

1. **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.
2. **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.
3. **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.
4. **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.
5. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
1. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
4. **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.

Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - PLANER

1. **Wait for the cutter to stop before setting the tool down.** An exposed rotating cutter may engage the surface leading to possible loss of control and serious injury. The above warning applies only to planers without an automatic closing guard.
2. **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
3. **Be aware of kickback.** Apply the machine to the workpiece only when switched on.
4. **Turn the product off immediately, if the cutting blade gets jammed in the workpiece.**
5. **Never slow down the application tool yourself mechanically.** Always allow the product to come to a complete stop on its own.
6. **Never touch the workpiece with your hand when you are working on it.**
7. **Do not work overhead.**
8. **Ensure that the workpiece is free of foreign objects such as screws or nails.**
9. **Always wear a dust mask.**

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - BATTERY PACK

1. **Do not dismantle, open or shred cells or battery pack.**
2. **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
3. **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
4. **Do not subject battery pack to mechanical shock.**
5. **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
6. **Seek medical advice immediately if a cell or battery pack has been swallowed.**
7. **Keep battery pack clean and dry.**
8. **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
9. **Battery pack needs to be charged before use. Always refer to this user guide and use the correct charging procedure.**
10. **Do not maintain battery pack on charge when not in use.**

11. After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
12. Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).
13. When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
14. Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
15. Do not use any battery pack which is not designed for use with the equipment.
16. Keep battery pack out of the reach of children.
17. Retain this user guide for future reference.
18. Remove the battery from the equipment when not in use.
19. Dispose of properly.

This appliance can only be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision. 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.

1. Before charging, read the instructions.
2. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure charger matches the local AC supply.
6. For indoor use, do not expose to rain.
7. The charging device must be protected from moisture.
8. Do not use the charging device in the open.
9. Do not short out the contacts of battery or charger.
10. Respect the polarity “+/-” when charging.
11. Do not open the unit and keep out of the reach of children.
12. Do not charge the batteries of other manufactures or ill-suited models.
13. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
14. Check battery charger’s slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
15. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge batteries. Ensure that batteries and chargers are not left unsupervised during charging.

SAFETY INFORMATION



IMPORTANT: To reduce risk of injury, please read this user guide before assembly.

SAFETY WARNINGS - BATTERY PACK CHARGER

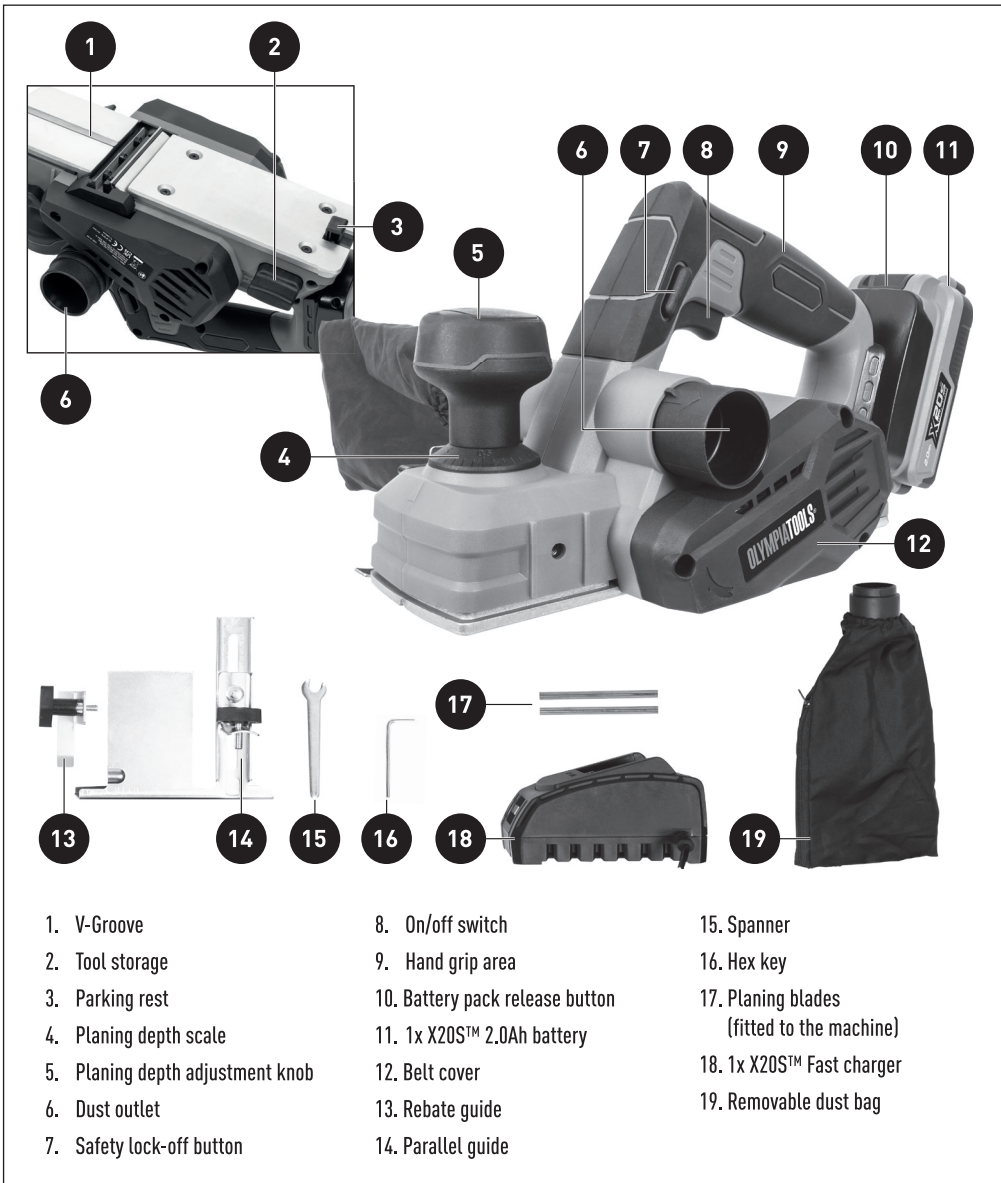
⚠ WARNING!

Read all safety warnings and instructions. Failure to follow warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

SAFETY INFORMATION | BATTERY PACK CHARGER

16. Do not recharge non-rechargeable batteries, as they can overheat and break.
17. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4°C, or above 40°C. This is important as it can prevent serious damage to the battery pack.
18. Charge only battery packs of the same model provided by manufacturer and of models recommended by manufacturer.

IN THE BOX



- | | | |
|----------------------------------|---------------------------------|---|
| 1. V-Groove | 8. On/off switch | 15. Spanner |
| 2. Tool storage | 9. Hand grip area | 16. Hex key |
| 3. Parking rest | 10. Battery pack release button | 17. Planing blades
(fitted to the machine) |
| 4. Planing depth scale | 11. 1x X20S™ 2.0Ah battery | 18. 1x X20S™ Fast charger |
| 5. Planing depth adjustment knob | 12. Belt cover | 19. Removable dust bag |
| 6. Dust outlet | 13. Rebate guide | |
| 7. Safety lock-off button | 14. Parallel guide | |

OPERATION INSTRUCTIONS



IMPORTANT: To reduce risk of injury, please read this user guide before use.

Intended use

The tool is intended for planing of firmly supported wooden materials, such as beams and boards. It is also suitable for bevelling edges and rebating.

Charging the battery pack (See fig. A)

Before putting into operation charge the tool or battery pack.

1. Do not use any charger other than that specifically provided for use with the equipment.
2. If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
3. The battery in your new tool is not charged when it leaves the plant. Therefore it must be fully charged before using the first time.
4. Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.

Plug the charger into a suitable power outlet before inserting the battery. Slide the battery pack into the charger ensuring that it is firmly seated and locked in place. The red (charging) light will illuminate and indicates that the charging process is in progress. A green light indicates that charging is complete. Remove the plug from the power outlet and slide the battery pack from the charger. The battery is ready for use.

⚠ WARNING!

When charging, the charger and battery may become warm to the touch, this is normal and does not indicate a problem.

When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the tool to cool down before re-charging to achieve the full charge.

Fig. A



Installing and removing the battery pack (See fig. B)

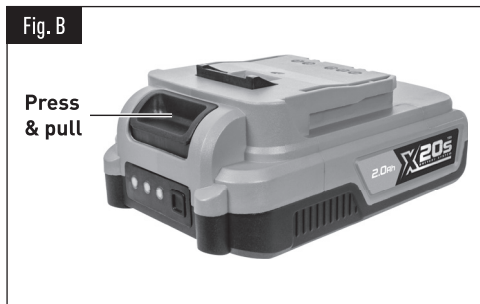
⚠ WARNING!

Before inserting or removing the battery pack, always make sure the On/off switch (8) is locked by checking the safety lock-off button (7) is in the centre position.

1. To remove the battery pack
Press the battery pack release button (10) firmly first and then slide the battery pack out from your tool.
2. To install the battery pack
Slide the fully charged battery pack onto the tool with sufficient force until it clicks into position.

Fig. B

Press & pull



Assembly

⚠ WARNING!

Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. When replacing the planer blades, wear protective gloves. Danger of injury when touching the planer blades.

Adjusting the planing depth (See fig. C)

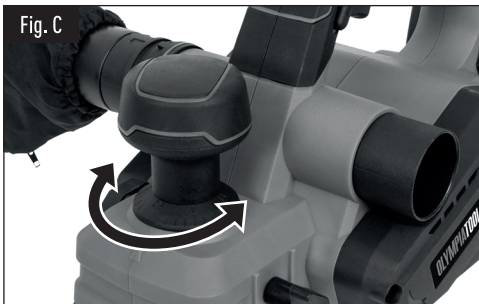
Use the planing depth adjustment knob (5) to set the desired cutting depth of the planer. The cutting depth can be set from 0-1.5 mm according to the planing depth scale (4). The depth scale division is 0.1 mm

Turning the planing depth adjustment knob will raise or lower the front part of the base plate. Turn the planing depth adjustment knob clockwise to lift the front part of the base plate. This will increase the cutting depth.

Turn the planing depth adjustment knob counterclockwise to lower the front part of the base plate. This will decrease the cutting depth.

It is recommended that test cuts be made in scrap wood after each adjustment to make sure that desired amount of wood is being removed by your planer.

To protect blades during storage, transporting, etc., set planing depth adjustment knob to '0'.



Safety lock-off switch (See fig. D)

⚠ WARNING!

Before inserting or removing the battery pack, always make sure the On/off switch (8) is locked by checking the safety lock-off button (7) is in the centre position.

⚠ WARNING!

After operation, always switch off the tool and wait until the cutter has come to a complete stop before putting the tool down.

⚠ WARNING!

Danger of kickback! Apply the machine to the workpiece only when switched on.

Switching on:

1. Unlock the On/off switch (8) by pushing the safety lock-off button (7) either to the left or right. The On/off switch is locked when the safety lock-off button is in the centre position.
2. Turn on the planer by depressing the On/off switch.



Switching off:

Turn off the planer by releasing the On/off switch (8), making sure the safety lock-off button (7) is in the centre position.

OPERATION INSTRUCTIONS

Surface planing (See fig. E)

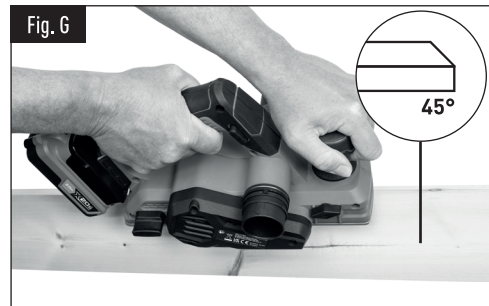
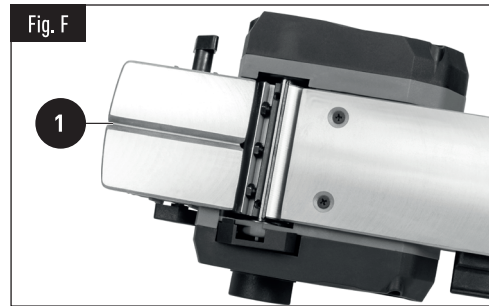
Set the desired cutting depth. Switch on the planer and wait until the machine has reached full working speed. Only guide the planer against the workpiece after switching on. Place the front part of the base plate on the workpiece. The planing blades (17) must be clear of the workpiece at this point. Make sure the front planing sole is flat on the surface of the workpiece. Guide the planer over the surface of the workpiece slowly with even speed and it will start cutting. Always maintain all of the base plate flat on the workpiece to prevent the cutter from jumping. Move the planer evenly over the work surface.

Be careful to avoid hitting nails during operation. It could nick, crack, or damage blades. We suggest that you always keep an extra set of blades on hand for replacement.

Wait for the cutter to stop before setting the tool down. The planer is equipped with a parking rest (3) to protect the cutter and workpiece from damage.



Using the V-groove (1) in the base plate you can make a chamfer on the workpiece edge. 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. Maintain downward pressure to keep your planer flat at the beginning and the end of the work surface.



Edge chamfering (See fig. F, G)

⚠ WARNING!

Always use both hands on the tool for any operation. It assures to maintain control and avoid the risk of serious personal injury. The workpiece must always be properly supported and clamped so that both hands will be free to control the planer.

Using the parallel guide (See fig. H)

Insert the screw provided through the hole on the support of parallel guide (14). Turn the screw into the nut on the housing. Fix the parallel guide on the support of parallel guide with the screw and nut. Ensure the screws are tightened securely.

The parallel guide should be fitted on the left of the housing.

To adjust the required width of cut, loosen the nut and slide the parallel guide to the required position. Retighten the nut fully. To use the parallel guide while cutting, the guide should be held firmly against the edge of the workpiece.

Fig. H



Using the rebate guide (See fig. I)

Insert the screw (a) provided through the slot on the rebate guide (13). Turn the screw into the nut on the housing.

The cut depth adjustment can be set from 0 to 8mm.

To adjust the rebate depth, place the planer on a flat board, then loosen the screw and slide the rebate guide up and down for required depth. Tighten the screw fully.

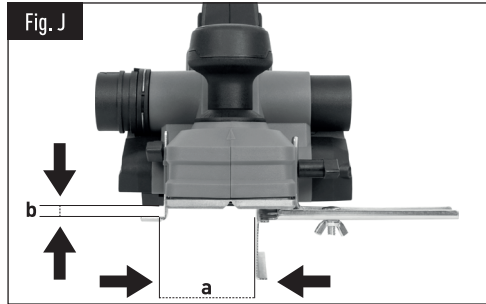
Fig. I



Rebating (See fig. J)

The width of rebating cut (a) is adjustable by moving the parallel guide (14). The depth of rebating cut (b) is determined by moving the rebate guide (13), and the number of passes made along the workpiece. Make sure that the plane is guided with a lateral supporting pressure.

Fig. J



First, guide the planer so that the parallel guide (14) sits flat on the workpiece. This is essential for ensuring the rebate is precisely positioned. The parallel guide is only necessary for the first step and can be removed after that. From the second work step onwards, the edge of the rebate guide (13) is placed against the rebate edge. Ensure the edge of the rebate guide is always guided exactly along the rebate edge. When the rebate guide is against the workpiece, the set rebate depth is achieved.

Dust extraction

The dust outlet (6) of the planer can be set to exhaust to either side. Turn the flange tube in such a way that the arrow is on the top at the side you intend to use. The opening on the other side will be blocked.

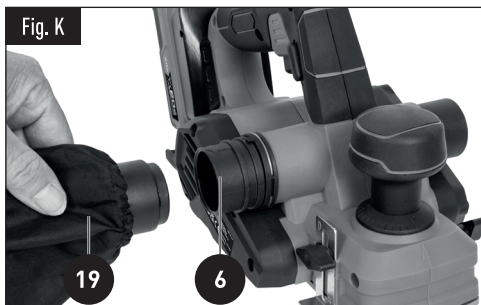
If possible, connect the planer to a vacuum cleaner or a dust extraction unit.

Using the removable dust bag (See fig. K)

For small planing jobs, your planer is equipped with a removable dust bag.

Make sure the zipper on the bag is fully closed. To fit the removable dust bag (19), simply insert the tube end of the bag into the dust outlet (6).

OPERATION INSTRUCTIONS



Cleaning the dust outlet and emptying the bag

After using your planer for an extended period of time or when planing wet green timber, chips may build-up in the dust outlet and require clearing. Chip build-up restricts air flow and causes the motor to overheat. Turn off the planer and remove the dust bag from the dust outlet. Clean the chip and dust outlet of your planer with a small piece of wood. Do not use your hands or fingers. Unzip the dust bag and empty all chips from it. Ensure the collar is free from debris. We recommend emptying the dust bag every 3-6 minutes.

Blade fitting and changing (See fig. L, M, N, O)

⚠ WARNING!

Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

⚠ WARNING!

Risk of injury (cuts from sharp edges). There is a danger of cutting even with a stationary tool. Wear gloves when changing blades.

⚠ WARNING!

Risk of burns. The tool may still be hot on completion of the work. There is a risk of burning. Allow a hot tool to cool down. Never clean a hot tool with flammable liquids.

Dull and worn blade cannot be resharpened and must be replaced. Always replace blades in pairs.

Note: The planing blades have two cutting edges and can be reversed. Blades need to be changed when both cutting edges are blunt.

Using the spanner (15) provided to loosen the three installation screws approximately 1/2 rotation counterclockwise (See fig. L).

Do not over-loosen the screws. If the screws are too loose, the alignment of the new blade will not be accurate.

Before removing the old blades, take notice of the direction of cut as well as how the tapered edge of the old blades are oriented. The tapered edge of the new blades must be in the same orientation as the original blades.

Press the safety cover down with your finger. Push the blade out with the tip of the spanner (or screwdriver) and then remove (See fig. M).

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

If a blade cannot be pushed out easily after loosening the screws, use a piece of wood to break the blade loose from the blade clamp, with a short sharp blow. Then push with a screwdriver to remove the blades. If necessary, tap the piece of wood sharply with a small hammer to break the blades loose.

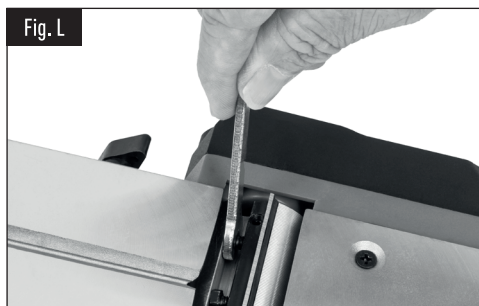




Fig. M

Turn the socket head screw clockwise, the blade will rise. Turn it counterclockwise, the blade will be lowered down. Finally retighten the three screws fully (See fig. O).

Prior to using the planer recheck the tight fit of the clamping screws and turn the cutter carefully by hand to make sure the planing blades do not touch any part of the machine.

Correct blade setting (See fig. P)

Your planing surface will end up rough and uneven, unless the blades are set properly and securely.

The blade must be mounted so that the cutting edge is absolutely level, that is, parallel to the surface of the rear base. Examples of proper and improper settings are shown below.

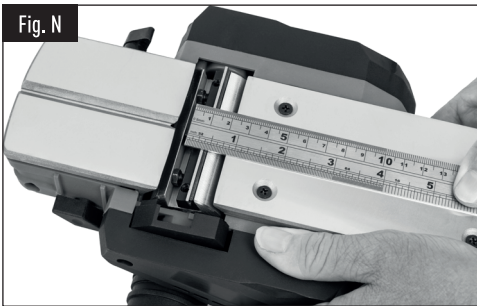


Fig. N

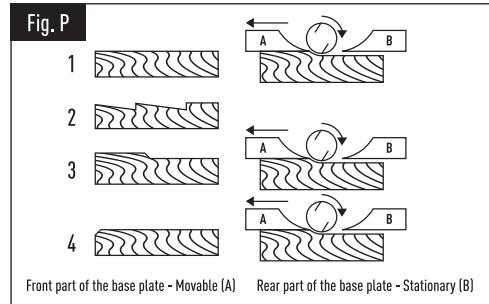


Fig. P

Front part of the base plate - Movable (A) Rear part of the base plate - Stationary (B)

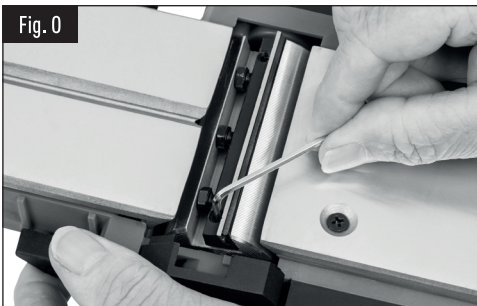


Fig. O

Before reinserting a new or reverse blade, always clean both the blade and the blade seat if dirty. Slide the blade into the clamp with the spanner (or screwdriver) in the correct orientation. Check blade is equal with the clamp. Retighten the three blade screws with the spanner. Repeat the above procedure to change the other blade.

After the blades are replaced, check the blades are parallel and in the same surface as the rear base plate with a ruler (See fig. N). If not, you can adjust the blades with the hex key (16) provided. Firstly loosen the screws on the blade clamp.

1. Correct setting

Although this side view cannot show it, the edges of the blade run perfectly parallel to the surface of rear part of the base plate.

2. Nicks in surface

Cause: one or both blades fails to have edge parallel to rear base line.

3. Gouging at start

Cause: one or both blade edges fails to protrude enough in relation to rear base line.

4. Gouging at end

Cause: one or both blade edges protrude too far in relation to rear base line.

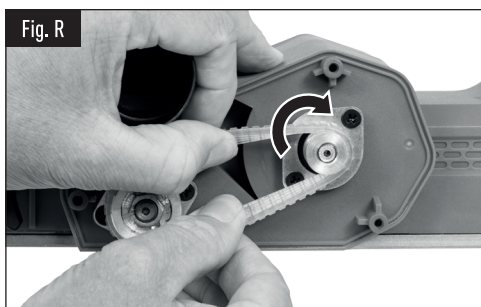
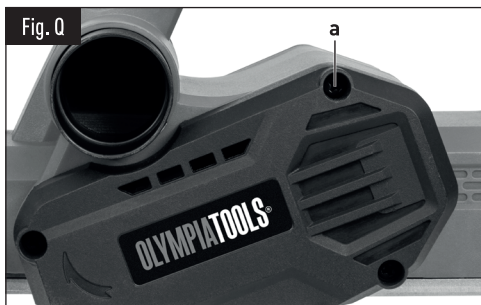
OPERATION INSTRUCTIONS

Replacing the drive belt (See fig. Q, R)

⚠ WARNING!

Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Remove the screws (a) and the belt cover (12) as shown. Carefully cut the drive belt if not already broken and remove it from the planer. Fit a new drive belt of the same size around the small pulley. Then install onto the larger pulley by rotating and pushing the drive belt around the larger pulley at the same time. Make sure the drive belt has no more than 5mm of slack between the motor and drive shafts. Refit the belt cover and screws.



Checking the battery pack capacity (See fig. S)

Check the battery capacity via the coloured LEDs.

Press the button and check the LEDs:

Light	Status
1 green light on	Battery too low
2 green lights on	Battery half charged
3 green lights on	Battery fully charged



Disposal of an exhausted battery pack

Olympia Tools provides a facility for the collection and recycling of rechargeable LI-ION batteries once they have reached the end of their working life. To dispose of your battery please return to any Olympia Tools stockist who will collect them on our behalf. Alternatively consult your local waste authority for information regarding available recycling and/or disposal options. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.

Discharge your battery pack by operating your planer, then remove the battery pack from the planer housing and cover the battery pack connections with heavy-duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.



Overload protection

When overloaded, the motor comes to a stop. Relieve the load on the tool immediately and release the On/off switch. Restart the tool as normal.

Temperature dependent overload protection

When used as intended the power tool cannot be subject to overload. When the load is too high or the allowable battery temperature is too hot, the electronic control switches off the power tool until the temperature is in the optimum temperature range again.

Protection against deep discharging

The LI-ION battery is protected against deep discharging by the "Discharging Protection System". When the battery is empty, the tool is switched off by means of a protective circuit. The planer will no longer rotate. Remove the battery and recharge.

Useful tips

1. Quality results are determined by the condition of the planing blades (17), working speed, and cutting depth. A larger cutting depth and higher speed produce rougher cuts. Best results are achieved with sharp blades, a smaller cutting depth, and slower speed.
2. For smooth cuts, move the tool along the grain of the wood.
3. When planing cross-grain, curly grain, or hardwood, adjust the depth of cut so that it takes only a very thin shaving at each pass. Then take several passes to achieve the desired result.
4. Guiding the planer with an even speed and not moving the machine too fast will avoid jamming the machine with wood chips.
5. To keep the tool in a straight line, press down on the front of the tool at the start, and press down on the back of the tool at the end of each cutting stroke.
6. Always make sure the machine moves flat on the surface of the workpiece.

TROUBLE SHOOTING

Reasons for different battery pack working times?

Prolonged storage of a battery pack without use will reduce the battery pack working time. This can be corrected after several charge and discharge operations by charging and working with your planer. Heavy working conditions will use up the battery pack energy faster than lighter working conditions. Do not re-charge your battery pack below 0°C and above 45°C as this will affect performance.

MAINTENANCE

Your tool requires no additional lubrication or maintenance.

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.


TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS




Planer

Model	YT-D9810 (X20SPL1)
Code	09-965
Battery voltage	20V 
Battery capacity	1x X20S™ 2.0Ah LI-ION 40Wh
Charge time	1 hour
No-load speed	12000/min
Planing width	82mm
Planing depth	1.5mm
Rebating depth	8mm
Weight	3.41kg

Battery pack

Model	JH002-20V (X20SB2)
Code	09-980
Battery voltage	20V 
Battery capacity	2.0Ah LI-ION 40Wh

Battery pack charger

Model	XZ2000-2400KSB (X20SFC)
Code	09-990
Input	220-240V~50-60Hz 65W
Output	DC20V  2.4A
Charging time	1 hour
Protection class II	
For indoor use only	

Noise/vibration information

Noise

A weighted sound pressure	L_{pA} : 89.5dB(A)
A weighted sound power	L_{WA} : 100.5dB(A) K_{pA} and K_{WA} =3.0dB(A)

⚠ WARNING!

Wear ear protection when sound pressure is over: 80dB(A)

Vibration

Vibration total values (triax vector sum) determined according to EN 62841:

Planing soft wood	Vibration emission value $a_h = 1.5m/s^2$
	Uncertainty $K = 1.5m/s^2$

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

⚠ WARNING!

The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used for example:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

Use of the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles and whether any anti-vibration accessories are used.

The tool is being used as intended by its design and as detailed in this user guide.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

⚠ WARNING!

To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti-vibration accessories.

Avoid using tools in temperatures of 10°C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

DISPOSAL

Packaging materials

Dispose of in an environmentally friendly way by adding to your recyclable waste bin, or by taking it to a public collection centre.



Electrical products

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



Batteries

Olympia Tools provides a facility for the collection and recycling of rechargeable LI-ION batteries once they have reached the end of their working life. To dispose of your battery please return to any Olympia Tools stockist who will collect on our behalf. Alternatively consult your local waste authority for information regarding available recycling and/or disposal options. Your battery will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



STORAGE

Store the machine, operating instructions and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.

Pack the device well or use the original packaging in order to avoid transit damage.

Always keep the machine in dry place.

TRANSPORT

WARNING!

LI-ION batteries are subject to Dangerous Goods Legislation. The process for shipping LI-ION batteries can be difficult. There are many regulations you need to adhere to, and specific packaging and labelling instructions you need to follow when sending LI-ION batteries by ground or air via a third party (air freight, courier, etc.)

Ensure you take account of UN3481 regulations and any more detailed national regulations. If in doubt, contact the service provider you have chosen to ship your LI-ION batteries or consult an expert for hazardous material.

WARNING!

- Make sure your LI-ION battery is contained in its associated device
- Seal the On/off switches and any electrical terminals with tape
- Place your device in a plastic bag before packaging it
- Make sure you attach the correct shipping label for the service you're using to ship your LI-ION batteries
- You are responsible for ensuring all documentation is correct
- Make sure your package is secure and will not break if it is dropped
- Use as much hard-wearing packaging as you can
- You are not allowed to ship faulty LI-ION batteries
- Batteries can be transported by road without further requirements

GUARANTEE

This product is selected for **DOMESTIC USE ONLY** and not for business use. This product is guaranteed against manufacturing defects for a period of 24 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please return it to your nearest store. If the item is shown to have an inherent defect present at the time of sale, the store will provide you with a replacement. Your statutory rights remain unaffected.

UK DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: X20S™ Planer 1x 2Ah

Model: YT-D9810 (X20SPL1)

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

3. Object of the declaration

Product: X20S™ Planer 1x 2Ah

Model: YT-D9810 (X20SPL1)

Rated voltage: 20V

4. This X20S™ Planer 1x 2Ah model number YT-D9810 (X20SPL1), fully complies with the Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016, the Restriction of Use of Certain Hazardous Substances in Electrical & Electronic Equipment Regulations 2012, and the following standards:

EN 62841-1: 2015

EN 55014-2:2015

EN 62841-2-14: 2015

EN 55014-1:2006+A1+A2

EN 55014-1:2017+A11:2020

5. This declaration is made under the sole responsibility of:

SUMEC HARDWARE AND TOOLS CO., LTD.

No. 1 Xinghuo Road, Jiangbei New Area, Nanjing, Jiangsu, 210061 China

Chief Engineer

Wenjun

Date: Jul, 14, 2021



EU DECLARATION OF CONFORMITY

1. Apparatus product/model

Product: X20S™ Planer 1x 2Ah

Model: YT-D9810 (X20SPL1)

2. This declaration of conformity is issued under the sole responsibility of the manufacturer

3. Object of the declaration

Product: X20S™ Planer 1x 2Ah

Model: YT-D9810 (X20SPL1)

Rated voltage: 20V

4. This X20S™ Planer 1x 2Ah model number YT-D9810 (X20SPL1) fully complies with the Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EC, RoHS Directive 2011/65/EU and the following harmonized EU standards:

EN 62841-1:2015

EN 55014-1:2006+A1+A2

EN 62841-2-14:2015

EN 55014-1:2017

EN 55014-2:2015

5. This declaration is made under the sole responsibility of:

SUMEC HARDWARE AND TOOLS CO., LTD.

No. 1 Xinghuo Road, Jiangbei New Area, Nanjing, Jiangsu, 210061 China

Chief Engineer

Wenjun

Date: Nov,28,2019



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