



SBD-15
Sonic Belt
& Disc Sander
Owner's Manual

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WARNING

This manual provides critical safety instructions on the proper setup, operation, maintenance and service of your machine. Save this document, refer to it often and use it to instruct others on correct operation.

Failure to read, understand and follow the instructions in this manual may result in serious personal injury - including amputation, electrocution or even death.

It is the owners sole responsibility for the safe use of this machine. The responsibility includes, but is not limited to proper installation in a safe environment; personal training and usage authorisation; proper inspection and maintenance; manual availability and comprehension; the application of safety devices; the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

NOTE: Changes, improvements and information may be updated at any time to this manual online, so please check you have the latest version of this manual. You can check this by reading the version number/date at the front of the manual and comparing it to the online version.

Great attention has been taken to ensure that the information in this manual is correct, to provide you with the guidelines for proper safety, assembly and operation of this machine.

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Introduction

Sherwood

Sherwood delivers reliability. Specified to meet the unique needs of the Australian woodworker. Backed by Sherwood's industry-leading 5-year Warranty, Sherwood's range of woodworking machinery and accessories has something for Australian woodworkers of every kind. Your Sherwood product is guaranteed to deliver you years of solid and dependable performance.

Disclaimer

Customers should ensure that they take all reasonable safety precautions when operating Sherwood products. Sherwood will not be held liable to you in respect of any personal injury (including without limitation serious injury or death) that you may suffer or sustain directly or indirectly as a result of the use of products sold by us. Nor will we be liable to you in respect of any other losses arising as a result of any such personal injury.

Nothing in this disclaimer shall: limit or exclude our liability for death or personal injury resulting from negligence; limit or exclude our liability for fraud or fraudulent misrepresentation; limit any of our liabilities in any way that is not permitted under applicable law; or exclude any of our liabilities that may not be excluded under applicable law.

Manual Accuracy

We have made every effort to be exact with the specifications, instructions, drawings, and photographs in this manual. Our policy of continuous improvement can sometimes mean that sometimes the machine you receive is slightly different to that shown in the manual.

If you find this to be the case, and the difference between the manual and the product leaves you confused or unsure about something, check the retailer's website for an updated version. Alternatively, you can contact us directly at support@sherwoodtools.com.au

Technical Support

If you have a question about your Sherwood product that isn't covered in this manual, please email us directly at support@sherwoodtools.com.au

Section 1: Safety

General Safety Rules

For your own safety, please read and understand this instruction manual before installing and operating the machine.

Owners Manual: Read and understand this owners manual before using the machine.

Failure to Read This Manual: Failure to adhere to the safety instructions in this manual will have a higher risk of serious personal injury or injury to others. Only allow competent users and supervised people to use the machine.

Always Disconnect the Power: When the machine is not in use, disconnect the power, remove the switch keys or lock the machine to prevent any unauthorised use - especially if children are around. Child proof your workshop!

Dangerous Environments: Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increase the risk of accidents and injury.

Mental Alertness Required: Full mental concentration is required at all times for the safe operation of machinery. Never operate a machine under the influence of drugs or alcohol, when tired or when distracted.

Electrical Equipment Injury Risk: You can be shocked, burned or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow a qualified service professional to complete electrical installation or repair work. Always disconnect the power before accessing or exposing electrical equipment.

Disconnect the Power First: Always disconnect the machine from the power supply before making adjustments, changing tooling or servicing the machine. This prevents an injury from unintended start-up or contact with live electrical components.

Eye Protection: Always wear ANSI approved safety glasses or face shield when operating or observing machinery to reduce the risk eye injury or blindness from flying particles. Your everyday eye glasses are NOT approved safety protection.

Wearing Proper Apparel: Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce risk of slipping and losing control or accidentally contacting the cutting tool or moving parts.

Hazardous Dust: Dust created by machinery operation can cause cancer, birth defects or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material. Always wear a AS/NZS-approved respirator to reduce risk.

Hearing Protection: Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing damage or loss.

Remove Adjusting Tools: Tools left on machinery can become dangerous projectiles upon start-up. Never leave chuck keys, wrenches or any other tools on the machine. Always verify removal before starting!

General Safety Rules

Use Correct Tool for the Job: Only ever use the machine for its intended purpose. Do not force it or use any attachment to complete a job for which it was not designed. Never make any unapproved modifications - modifying the machine or using it differently that it is intended may result in malfunction or mechanical failure that can result in personal injury or death!

Awkward Positions: Keep proper footing and balance at all times when operating the machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

Children and Bystanders: Keep children and bystanders at a safe distance from the work area. Stop using the machine if they become a distraction.

Guards and Covers: Guards and covers reduce accidental contact with moving parts and flying debris. Make sure they are properly installed, undamaged and working correctly before operating the machine.

Forcing Machinery: Do not force the machine. It will do the job more safely and more efficiently at the rate for which it was designed.

Never Stand on the Machine: Serious injury may occur if the machine is tipped or if contact is unintentionally made with the cutting tool.

Stable Machine: Unexpected movement during operation greatly increases the risk of injury loss of control. Before starting, verify that the machine is stable. If a mobile base is used, ensure this is locked.

Use Only Recommended Accessories: Consult this owner's manual or the manufacturer for the recommended accessories. Using improper accessories will increase the risk of serious injury.

Unattended Operation: To reduce the risk of accidental injury, turn the machine OFF and ensure all moving parts are completely stopped before walking away. Never leave a machine running while unattended.

Maintain with Care: Follow all maintenance instructions and lubrication schedules to keep the machine in good working condition. A machine that is improperly maintained could malfunction, leading to personal injury or death.

Damaged Parts: Regularly inspect machine for damaged, loose or mis-adjusted parts - or and condition that could effect safe operation. Immediately repair or replace before operating the machine. For your own safety , DO NOT operate a machine with damaged parts.

Maintain Power Cords: When disconnecting cord-connected machines from the power supply, hold and pull the plug and not the cord. Pulling the cord may damage the wires inside. Do not handle the cord or the plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals and wet or damp locations.

Experiencing Difficulties? If at any time you experience difficulties performing the intended operation, stop using the machine immediately! Contact our Technical Support on support@sherwoodtools.com.au

Specific Safety Rules For Sonic Belt & Disc Sander

Check The Voltage: Make sure the operating voltage stated on the type label corresponds to the power mains available in your area.

Check Electrical Connections: Check the belt and disc sander and the electrical connections for any damage and do not use the tool if the sander or the cable is damaged.

Use Machine Correctly: Use the belt and disc sander according to this manual and only for the intended application.

Before Starting Up: Make sure that no spanners or adjusting keys are in the machine.

Power Switch: Make sure that the belt and disc sander is switched off before plugging in.

Note: Consider the slow-down time of the machine after switching off.

Note: Never attempt to slow down the sanding belt with your hands or by using pressure.

Sanding Belt Dangerous: Do not touch the sanding belt immediately after operation; it may be extremely hot and cause burns. The sanding belt is sharp-edged.

Inspect The Wood: Avoid sanding against nails and screws. Inspect the work piece and remove all nails and screws before sanding.

Disconnect The Power Lead: Switch off the belt and disc sander before making any adjustments and when the unit is not in use. After finishing work and maintenance, disconnect the power lead from the mains supply.

Electrical Or Mechanical Malfunction: In the event of an electrical or mechanical malfunction, immediately switch off the sander and do not use it further.

Do Not Try To Repair It Yourself: Do not disassemble the machine and do not try to repair it yourself. Have the unit repaired by a professional or contact our customer support service. Always use original replacement parts.

Clean Work Area: Sparks may ignite the dust or fumes.

Cable Safety: Never use the cable to carry the belt and disc sander. Keep the cable away from hot, sharp edges and moving parts.

Use Dust Extraction: Work in well ventilated rooms. Whenever possible use the dust collection systems. Some coatings and wood dust may be harmful and toxic. According to your use, wear gloves and safety goggles. If the dust collection system cannot be attached, wear dust mask.

Fasten To Secure Surface: Take care that the belt and disc sander cannot tip over or move while sanding long or heavy objects. If necessary, fasten the belt and disc sander to a supporting surface.

Sanding Belt Is Not Damaged: Make sure the sanding belt is working in the right direction. Make sure that the sanding disc or sanding belt is not damaged.

Sanding Belt Is Secure: Make sure the sanding belt is firmly and correctly positioned and cannot run off the pulleys.

Section 2: Electrical Information

Electrical Requirements

Power Supply And Motor Specifications:

Warning: To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. To avoid shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately.

Grounding Instructions:

Warning: This tool must be grounded while in use to protect the operator from electrical shock.

In The Event Of A Malfunction Or Breakdown, grounding provides a path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment-grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.

Do Not Modify The Plug Provided. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.

Improper Connection of the equipment-grounding conductor can result in risk of electric shock.

Do Not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

Extension Cords

Grounded Tools require a three wire extension cord.

Double Insulated Tools can use either a two or three wire extension cord.

As the distance from the supply outlet increases, you must use a **Heavier Gauge Extension** cord.

Using extension cords with **Inadequately Sized Wire Causes A Serious Drop In Voltage, Resulting In Loss Of Power And Possible Tool Damage.** Refer to the table shown to determine the required minimum wire size.

The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a **1.628mm**(14 gauge) cord can carry a higher current than a **1.291mm**(16 gauge) cord.

When using **More Than One Extension Cord** to make up the total length, be sure each cord contains at least the minimum wire size required.

If you are using **One Extension** cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords

If you are **Using An Extension Cord** outdoors, be sure it is marked with the suffix "W-A" to indicate that it is acceptable for outdoor use.

Be sure your extension cord is **Properly Wired** and in good electrical condition.

Always Replace A Damaged Extension Cord or have it repaired by a qualified person before using it.

Protect Your Extension Cords from sharp objects, excessive heat and damp or wet areas.

Guidelines & Recommendations for Extension Cords

When **Using An Extension Cord**, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and ampere rating. **When In Doubt, Use A Heavier Cord.** The smaller the gauge number, the heavier the cord.

Make sure your extension cord is **Properly Wired And In Good Condition.** Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

Amperage	7.5 Metres	15 Metres	30 Metres	45 Metres
3.0A	18 Gauge	16 Gauge	16 Gauge	14 Gauge

Section 3: Specifications

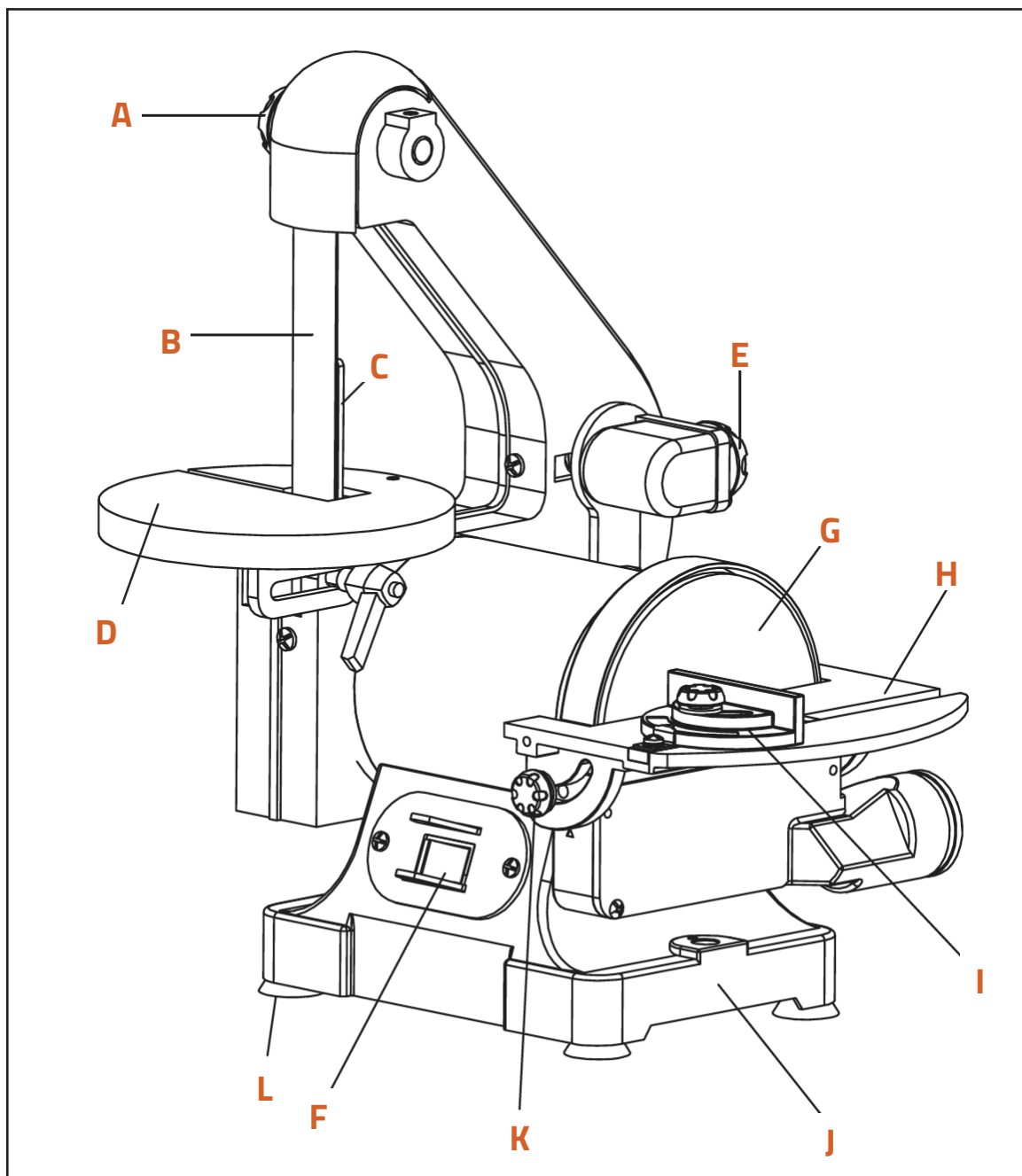
SBD-15

Sonic Belt & Disc Sander

Model Number:	SBD-15
Warranty	5 years
Voltage:	230V~50Hz
Power:	250W
Sanding belt size:	25.4 x 762mm
Sanding disc size:	125mm

Section 4: Set Up & Operation

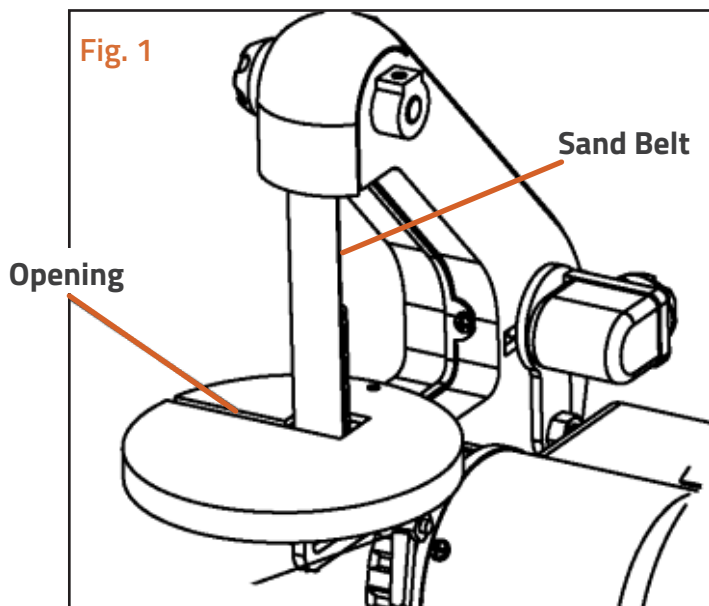
Key Features



- | | |
|------------------------------|--|
| A. Cover Locking Knob | G. Sanding Dish with Sanding Disc |
| B. Sanding Belt | H. Sanding Dish Table |
| C. Sanding Belt Board | I. Scale |
| D. Sanding Table | J. Base |
| E. Adjusting Knob | K. Table Locking Knob |
| F. Switch | L. Rubber Foot |

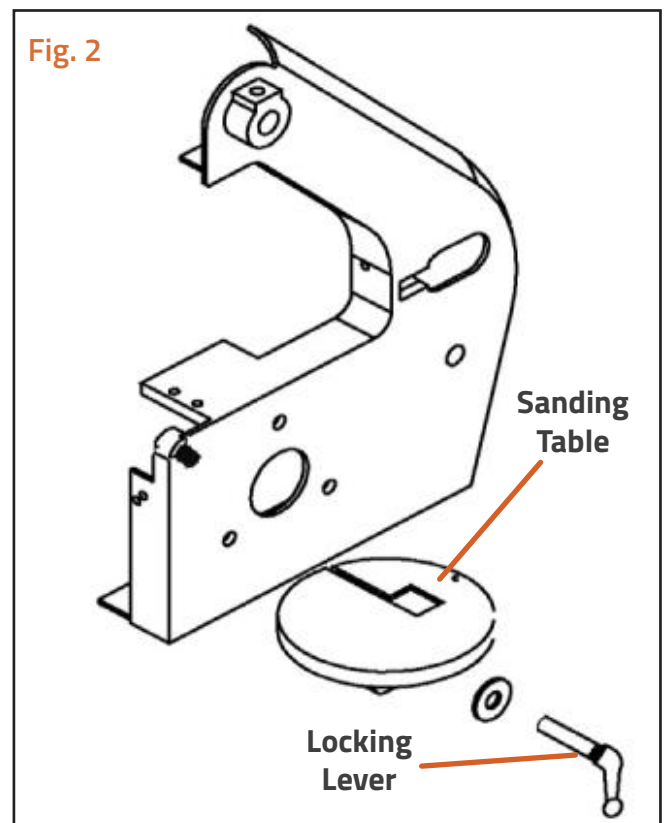
Assembling the Belt and Disc Sander

1. Select a suitable work place before using the belt and disc sander. Your work place should be well illuminated and enables you attaching a dust collection system or a vacuum cleaner.
2. Place the belt and disc sander on a workbench or mount the sander on a table with screws.
3. If it is not possible, use the included rubber feet. If the rubber feet are not attached, press them from the upper site of the base through the edge openings.



Mounting the Sanding Table (Fig. 1-2)

1. Make sure the motor is switched off. Fig. 1
2. Thread the sanding belt through the opening in the sanding table.
3. Tighten the sanding table with the compatible screw and washer onto the screw that sticks out from the housing. The locking lever is still assembled. It is spring loaded and can be repositioned. If you pull out the handle you can change the position of the handle without moving the inside thread bar.

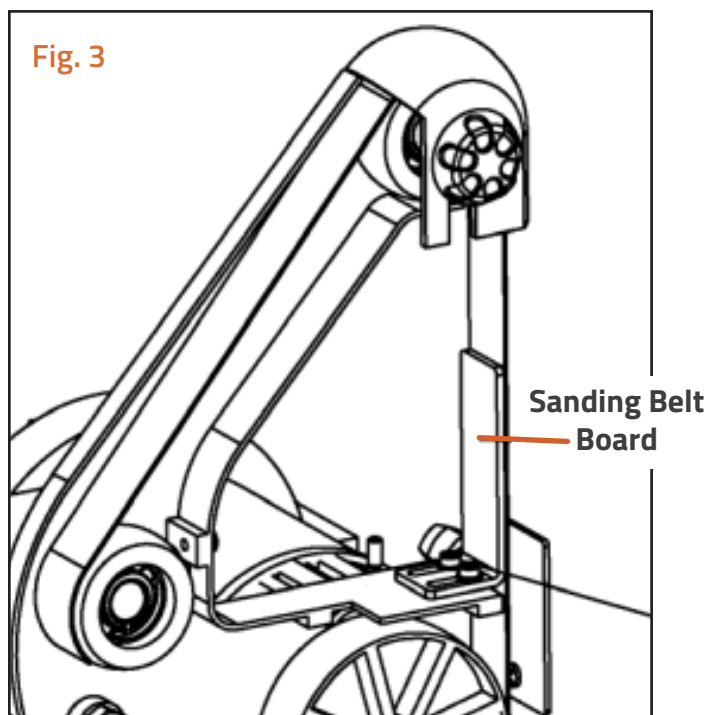


Sanding Belt Board

(Fig. 3)

The sanding belt board protects the work piece during sanding.

1. Mount the sanding belt board so that the board touches the backside of the sanding belt. To adjust, unscrew both screws.
2. Adjust the board and tighten the screws again.
3. For work such as polishing or sanding bent pieces remove the sanding belt board.

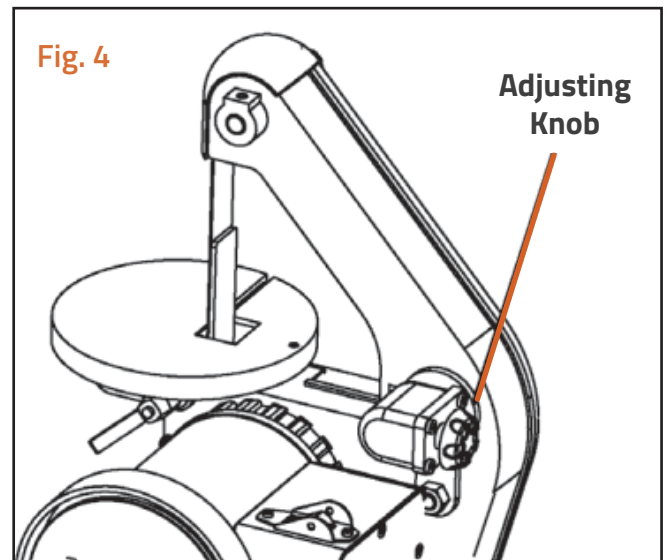


Adjusting the Sanding Belt

(Fig. 4)

Belt adjustment is factory set, so that the sanding belt will run centrally through the pulleys.

1. If the sanding belt does not run straight, adjust the run of the sanding belt with the adjusting knob.
2. If you turn the knob clockwise, the belt moves to the right (facing the sander). By turning counter clockwise the belt moves to the left.

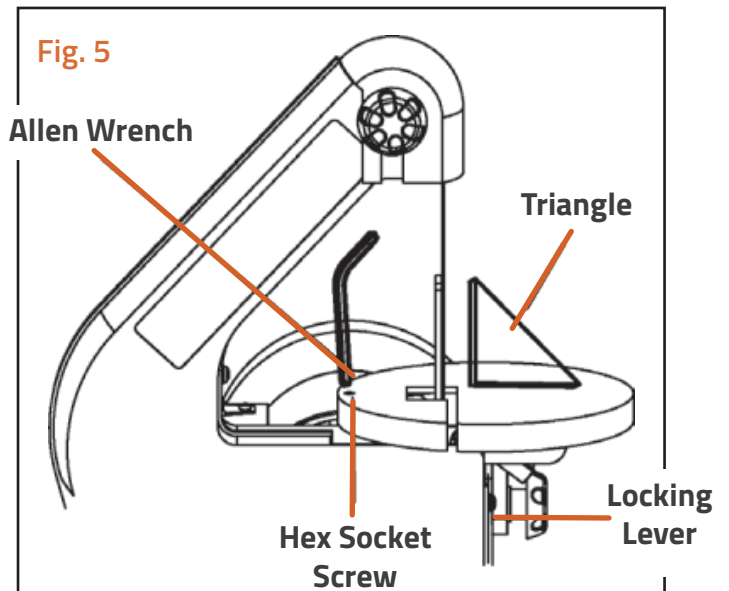


Adjusting the Sanding Table

(Fig. 5)

For most work, mount the sanding table to 90° angle to the sanding belt. The sander is equipped with a positive stop in order to enable quick positioning the sanding table to 90° angle to the sanding belt. Adjust the positive stop as follows:

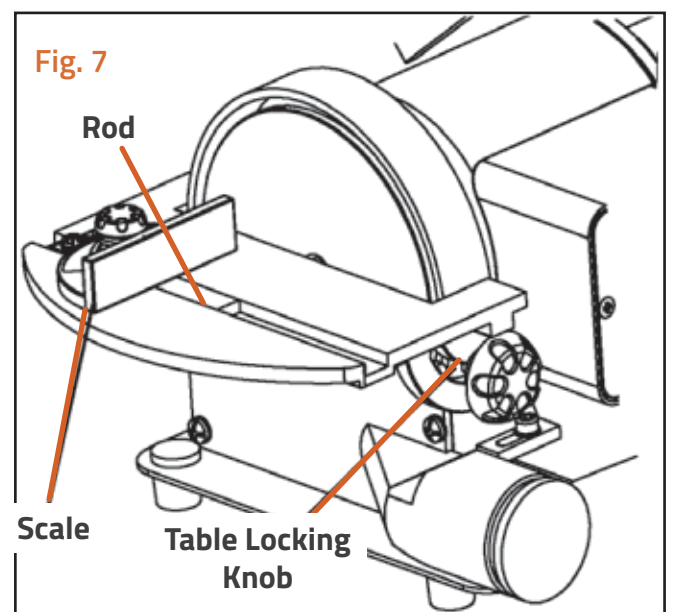
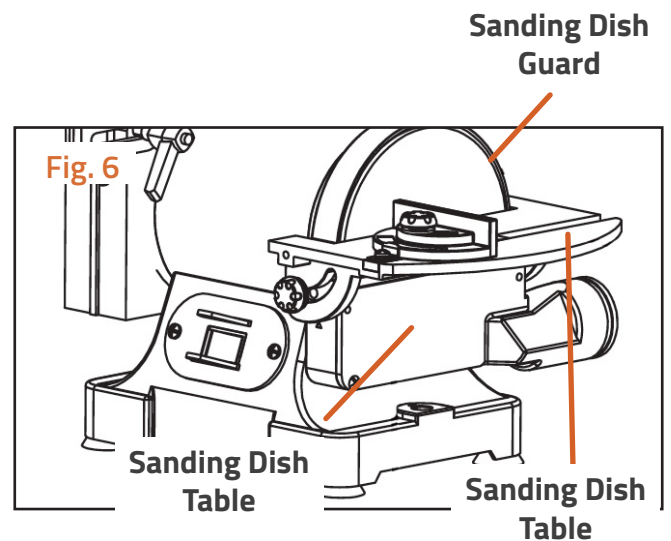
1. Loosen the locking lever and position the table to visual judgement to 90°.
2. Use a right-angled triangle.
3. Place the one leg of the triangle, as shown, on the table and hold the other leg against the sanding belt. Check, if the table is in 90° angle to the belt. Adjust the table if necessary.
4. If the table surface is in 90° angle to the belt, tighten the Hex Socket Screw on the upper end of the table as far as possible. The bottom side of the screw should slightly touch the plate underneath the table. Now you can reposition the table to exactly 90° angle without new adjustment.
5. The sanding table can be mounted in different angles to the belt. Loosen the locking lever and tilt the table up to the required angularity. The table edge is situated in front of the belt but too far from the belt.
6. Therefore, slowly push the table in direction to the belt observing the required incline. For safety use, the gap between the table edge and the belt should not be higher than 2 mm.
7. After adjustment, tighten the locking lever again.



Assembling the Sanding Dish Cover and the Sanding Dish Table (Fig. 6-7)

1. Make sure the motor is switched off.
2. Mount the sanding dish cover with the four enclosed screws and the four flat washers.
3. Mount the sanding dish table on the sanding dish guard.
4. On both sides of the sanding dish guard there are two angular notches. Push both hooks that are on the inner side of the table into these notches. These two hooks are the centre of rotation for the table.
5. First push the table horizontally against the sanding dish and then vertically upwards. For tightening the sanding dish use both yellow knob screws. Tighten the knob screws into the dish guard through both guide slots that are situated on the table.
6. Position the sanding table to the required angle to the dish and tighten the two knob screws.

One accessory is a scale. Whenever you intend to make double mitre section, use the scale. Adjust the required angle and place the rod of the scale into the groove of the sanding disc.



Switching ON/OFF the Belt and Disc Sander

1. Make sure that the mains power in your area corresponds with the type labelled on the machine.
2. The rocker ON/OFF power switch is located on the front of the grinder.
Press the side marked ON to turn the grinder on.
Press the side marked OFF to turn the grinder off.

Dust Collection System

For dust collection two adapters are provided with the belt and disc sander.

1. Use the dust collection whenever possible.
2. If no dust collection system or vacuum cleaner is available while sanding, protect yourself by wearing a dust mask.

Section 8: Maintenance & Care

Removing and Inserting the Sanding Belt

1. Unscrew the cover locking knob and remove the acrylic glass cover.
2. Unscrew both philips screws that fixed the sanding belt bracket cover.
3. Remove the cover. The rear drive wheel is spring supported. Press the adjusting knob to push the wheel slightly forwards in order to remove the sanding belt out of the wheels.
4. Insert the new sanding belt onto the wheels.
5. Turn the belt with your hand and observe, if the belt runs in the middle of the wheels or if the belt moves sideward. Turn the adjusting knob to adjust the position of the wheel and to correct the run of the sanding belt.
6. Attach the sanding belt bracket cover again and tighten the cover with the Philips screws.
7. Place the acrylic glass cover onto the bracket cover and fix them with the cover locking knob.

Removing the Sanding Disc

The sanding disc is glued to the sanding dish.

1. To remove the sanding disc, detach the sanding dish table and the sanding dish guard.
2. Carefully remove the used sanding disc.
3. Remove remaining adhesive residues.
4. Stick a new sanding disc of the same diameter onto the dish.
5. After fixing a new sanding disc, attach the sanding dish guard and the sanding dish table onto the sander, as explained above.

Cleaning

- Do not clean the belt and disc sander with water or aggressive cleaner but only with a dry cloth or a brush.
- Although attaching a dust collection, sanding dust may accumulate behind the bracket cover. Therefore remove the cover as described from time to time and clean the interior with a brush or vacuum cleaner.
- If the belt and disc sander has technical damage, immediately stop using the machine.
- Maintenance that exceeds removing the sanding disc or the sanding belt, should be carried out by a qualified technician or contact customer service.

Section 8: Warranty

Sherwood Warranty Statement

Sherwood Machinery arrived in Australia in 1997 to provide a wide range of woodworking machinery to discerning woodworkers and craftspeople.

All Sherwood machines and accessories are carefully specified to meet the unique challenges of Australian woodworking, and come from OE manufacturers who have a proven track-record in reliability and quality.

With a five-year warranty as standard across all products, a Sherwood machine will deliver years of good, solid and dependable performance.

Warranty and Service

If your Sherwood product has a warrantable fault, please contact the retailer that it was purchased from.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.



5 YEAR
WARRANTY

1300 880 996
customer.service@timbecon.com.au