

HAFCO **WOODMASTER**



Edition : 1
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Instruction Manual

BENCH BOBBIN SANDER **OS-115**

Order Code: (W790)

MACHINE DETAILS

MACHINE.	Bench Bobbin Sander
MODEL NO.	OS-115
SERIAL NO.	
DATE OF MANF.	

IMPORTED BY

AUSTRALIA



www.machineryhouse.com.au

NEW ZEALAND



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NOTE:

This manual is only for your reference. At the time of the compiling of this manual every effort to be exact with the instructions, specifications, drawings, and photographs of the machine was taken. Owing to the continuous improvement of the HAFCO Woodmaster machine, changes may be made at any time without obligation or notice. Please ensure the local voltage is the same as listed on the specification plate before operating any electric machine.

SAFETY SYMBOLS:

The purpose of safety symbols is to attract your attention to possible hazardous conditions



Indicates a potentially hazardous situation causing injury or death



Indicates an alert against unsafe practices.

Note: Used to alert the user to useful information



NOTE:

In order to see the type and model of the machine, please see the specification plate. Usually found on the back of the machine. See example (Fig.1)

Fig.1

HAFCO WOODMASTER	
PRODUCT SPECIFICATIONS	
Model: OS-115	
Capacity: 12.7-76mm	Voltage: 240V/50Hz
Nett Weight: 8.6kg	Motor: 2HP/450W
MFG Date:	FLC: 2.3A
Serial No:	
Imported by www.machineryhouse.com.au	Made in China www.machineryhouse.co.nz

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WARNING!

The machine is the sole responsibility of the owner for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training, proper inspection and maintenance, manual availability and comprehension. The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

1.1 SPECIFICATIONS

Order Code	W790
MODEL	OS-115
Sanding Spindle Sleeve Sizes (Inch)	1/2", 3/4", 1", 1-1/2", 2" & 3"
Spindle dimensions (mm)	12.7 x M8 x 1.25mm
Spindle Height (mm)	115
Table Size (mm)	320 x 300
Table Height (mm)	330
Oscillating Stroke (mm)	16
Oscillations (o/pm)	58
Sanding Spindle Speed (rpm)	2000
Dust Port Size (mm)	Ø40
Motor Power (kW/hp)	0.45 / 0.6
Voltage / Amperage (V/amp)	240 / 10
Floor Space (W x D x H) (mm)	340 x 360 x 330
Weight (kg)	10.2

1.2 PACKING LIST

6pcs of plastic table inserts - 1/2", 3/4", 1", 1-1/2", 2" & 3"

5pcs of Rubber Sanding Drums - 3/4", 1", 1-1/2", 2" & 3"

6pcs of Sanding Sleeves 1/2", 3/4", 1", 1-1/2", 2" & 3"

4pcs of Spindle Washers - 5/8", 7/8", 1-3/4" & 2-3/4"

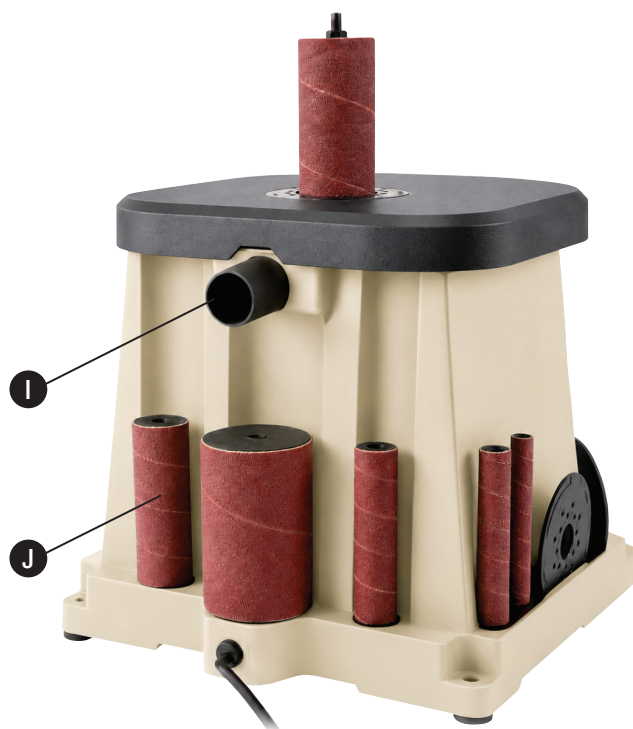


WARNING!

Read and understand the instructions in this manual, before operating this machine to reduce the risk of serious injury or even death. Save all warnings and instructions for future reference.

1.3 IDENTIFICATION

Become familiar with the names and locations of the controls and features shown below to better understand the instructions when mentioned later in this manual.



A	Table
B	Spindle
C	Spindle Hex Nut
D	Spindle Washer
E	Drum and Sanding Sleeve

F	Sander Body
G	Table Inserts
H	ON/OFF Switch
I	Dust Port
J	Drum And Sanding Sleeves

2. SAFETY INFORMATION

2.1 GENERAL WOODWORKING MACHINE SAFETY

DO NOT use this machine unless you have read this manual or have been instructed in the use of this machine in its safe use and operation.



WARNING

This manual provides safety instructions on the proper setup, operation, maintenance, and service of this machine. Save this manual, refer to it often, and use it to instruct other operators.

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

The owner of this machine is solely responsible for its safe use. This responsibility includes, but is not limited to proper installation in a safe environment, personnel training and authorization to use, proper inspection and maintenance, manual availability and comprehension of the application of the safety devices, integrity, and the use of personal protective equipment.

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

Exposure to the dust created by power sanding, sawing, grinding, drilling and other construction activities may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer and death. Avoid breathing the dust, and avoid prolonged contact with dust. Some examples of these chemicals are:



- ☐ Lead from lead-based paints.
- ☐ Crystalline silica from bricks, cement and other masonry products.
- ☐ Arsenic and chromium from chemically-treated timber.

Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system along with an air filtration system whenever possible. Always use properly fitting approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.



Safety glasses must be worn at all times in work areas. Earmuffs should be worn if the work area is noisy.



Sturdy footwear must be worn at all times in work areas.



Gloves should NOT be worn when operating machinery. Should only be worn when handling the material.



Long and loose hair must be contained with a net or under a hat.

2.1 GENERAL WOODWORKING MACHINE SAFETY Cont.

DISCONNECT POWER FIRST. If using power, always disconnect the machine from power supply before making adjustments, or servicing the machine. This prevents any risk of injury from unintended startup or contact with live wires.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave hex keys, wrenches, or any other tools on machine. Always verify removal before starting!

USE CORRECT TOOL FOR THE JOB. Only use this tool for its intended purpose. Do not force the machine or its attachments to do a job for which they were not designed. Never make unapproved modifications. Modifying the machine or using it differently than intended may result in malfunction or mechanical failure that can lead to personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make operating control difficult. This could increase the risk of accidental injury.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged and working correctly.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

TRAINED OPERATORS ONLY. Only allow trained or supervised people to use this machine. When the machine is not being used, disconnect the power to the machine to prevent unauthorized use—especially around children. Make the workshop safe.

FORCING MACHINERY. Do not force the machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if the machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify the machine is stable and if using a mobile base it is locked in position.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn the machine OFF and ensure all moving parts have completely stopped before walking away. Never leave the machine running while unattended.

MAINTAIN WITH CARE. Follow all the maintenance instructions and lubrication schedules to keep the machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

CHECK DAMAGED PARTS. Regularly inspect the machine for any condition that may affect the safe operation. Immediately repair or replace damaged or parts that are incorrectly fitted before operating.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.



WARNING!

Before operating any machine, take time to read and understand all safety signs and symbols. If not understood seek explanation from your supervisor or an experienced operator.

2.2 SPECIFIC SAFETY FOR BOBBIN SANDERS

DO NOT use this machine unless you have been instructed in its safe use and operation and have read the instruction manual.



Safety glasses must be worn at all times in work areas to protect the eyes from flying shavings.



Long and loose hair must be contained while operating the machine.



Appropriate footwear with substantial uppers must be worn. No open toe shoes should be worn.



Close fitting and protective clothing must be worn.



Rings and jewellery must not be worn when operating this machine.



Dust Masks must be worn when using this machine.

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Locate and ensure you are familiar with all machine operations and controls.
- ✓ Check workspace to ensure no slip/trip hazards are present. Pay particular attention to the location and position of any extension lead.
- ✓ Check sanding sleeves are in a serviceable condition.
- ✓ Ensure the correct size table insert is used with the selected sanding sleeve. The sleeve should fit snugly inside the central hole of the insert.
- ✓ Connect up to building dust collection system before using the machine.

OPERATIONAL SAFETY CHECKS

- ✓ Only one person may operate this machine at any one time.
- ✓ Allow machine to reach maximum speed before operating to avoid overloading.
- ✓ Hold material firmly against the table before applying pressure on sanding sleeve.
- ✓ Feed the material gradually, AGAINST the direction of rotation, onto the sanding sleeve. Failure to do this could force the material away from the sanding sleeve with risk of injury.
- ✓ Keep fingers clear of sanding sleeve during operation.
- ✓ Before making adjustments, switch off and bring the machine to a complete standstill.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the machine when work completed.
- ✓ Remove the table insert and lower washer from the spindle. Then remove any dust accumulation in the table insert area.
- ✓ Leave the machine in a safe, clean and tidy state

DON'T

- ✓ Do not use faulty equipment. Immediately report suspect machinery.
- ✓ Do not sand very small items.
- ✓ Do not force the material or apply excessive pressure
- ✓ Do not feed the material into sleeve in the wrong direction.
- ✓ Never leave the machine running attended.

POTENTIAL HAZARDS AND INJURIES

- ☐ Abrasions.
- ☐ Burns to skin.
- ☐ Eye injuries.
- ☐ Excessive dust.
- ☐ Unsecured material being flung around.

3. POWER SUPPLY

3.1 ELECTRICAL INSTALLATION

Place the machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure there is access to a means of disconnecting the power source. The electrical circuit must meet the requirements for the power used by the machine.

NOTE : *The use of an extension cord is not recommended as it may decrease the life of electrical components on your machine.*

ELECTRICAL REQUIREMENTS

Nominal Voltage.....	240V
Cycle.....	50 Hz
Phase.....	Single Phase
Power Supply Circuit.....	10 Amps
Full Load Current.....	2.3 Amps

(Full load current rating is also on the specification plate on the motor.)

3.2 FULL-LOAD CURRENT RATING

The full-load current rating is the amperage a machine draws when running at 100% of the output power. Where machines have more than one motor, the full load current is the amperage drawn by the largest motor or a total of all the motors and electrical devices that might operate at one time during normal operations.

Full-Load Current Rating for these machine is available on the motor plate.

It should be noted that the full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating and if the machine is overloaded for a long period of time, damage, overheating, or fire may be caused to the motor and circuitry.

This is especially true if connected to an undersized circuit or a long extension lead. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the requirements.



4 SET-UP

4.1 UNPACKING

This machine was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage. If items are damaged, please contact your distributor.

NOTE: Save all the packaging materials until you are completely satisfied with the machine and have resolved any issues with the distributor, or the shipping agent.

When unpacking, check the packing list to make sure that all parts shown are included. If any parts are missing or broken, please contact your distributor.

4.2 CLEAN - UP

The unpainted surfaces of the machine have been coated with a waxy oil to protect them from corrosion during shipment. Remove the protective coating with a solvent cleaner or a citrus based degreaser.

Optimum performance from your machine will be achieved when you clean all moving parts or sliding contact surfaces that are coated with rust preventive products.

It is advised to avoid chlorine based solvents, such as acetone or brake parts cleaner, as they will damage painted surfaces and strip metal should they come in contact. Always follow the manufacturer's instructions when using any type of cleaning product.

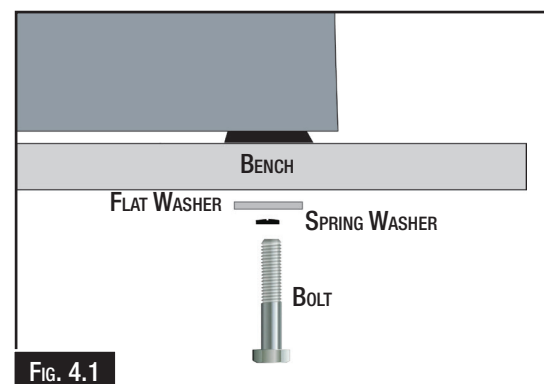
4.3 SITE PREPARATION

When selecting the site for the machine, consider the largest size of workpiece that will be processed through the machine and provide enough space around the machine for operating the machine safely. Consideration should be given to the installation of auxiliary equipment. Leave enough space around the machine to open or remove doors/covers as required for the maintenance and service as described in this manual.

It is recommended that the machine is anchored to the floor to prevent tipping or shifting. It also reduces vibration that may occur during operation.

4.4 MOUNTING TO THE BENCH

The machine has mounting holes in its base so it can be securely attached to a workbench or another solid surface. This helps prevent the machine from moving during operation, reducing the risk of injury or damage. The most secure mounting method is a through-mount, where holes are drilled completely through the workbench. The machine is then fastened using hex bolts, washers, and spring washers to hold it in place. (Fig. 4.1)



Note: Never use bolts that require force to push through the bench mounting holes as these may crack the plastic body, as will over-tightening the fixings.

Note: Use nylon insert lock nuts or spring washers in the fixings to prevent vibration from loosening the fixings.

4.5 ASSEMBLY

The machine must be fully assembled before it can be operated. First clean any parts that are coated in rust preventative to ensure the assembly process can proceed smoothly.

1. Leave the spindle hex nut and washer on the spindle.
2. Place each table insert into the storage slot that matches its size.
3. Store the sanding drums and their corresponding sanding sleeves in the appropriately sized accessory slots. (Fig. 4.2)
4. Place the spindle washers into their designated storage locations.
5. Do not install a sanding drum yet. Leave the machine without a sanding drum installed until after you have completed the machine's test run.



FIG. 4.2

CONNECTING THE DUST COLLECTOR

Hafco recommends a 100 CFM at the Dust Port. Do not confuse this CFM recommendation with the rating of the dust collector. To determine the CFM at the dust port, you must consider the variables. CFM rating of the dust collector and the hose type and length between the dust collector and the machine. With a longer hose greater CFM may be required.

1. Fit a 2" dust hose over the dust port shown in (Fig. 4.3) and secure in place with a hose clamp.
2. Tug the hose to ensure it does not come off. A tight fit is necessary for proper performance.

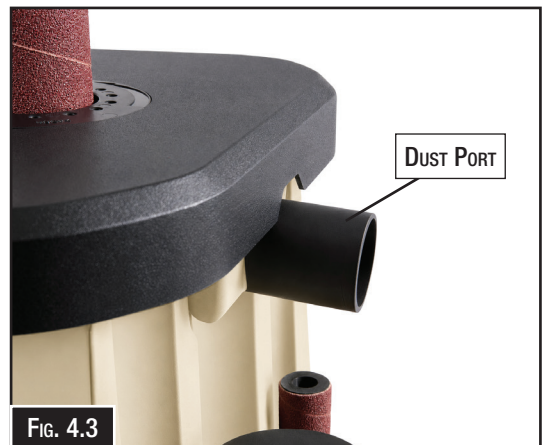


FIG. 4.3

FITTING THE SPINDLE

The Spindle is supplied disassembled and needs to be fitted to the sander. Once fitted, the Spindle remains fixed in place permanently.

Note: The nut in the base of the drive has two flat edges (Fig. 4.4). These should locate with the corresponding flat sides of the Wrench.

1. Use the Wrench to hold the nut in the base of the drive in place and screw the Spindle tightly in position.
2. If the Spindle has not been sufficiently tightened, use the Wrench to fit the Spindle Lock Nut & Washer to the top of the Spindle to give more leverage (they will need to be removed again prior to fitting a Sanding Sleeve).

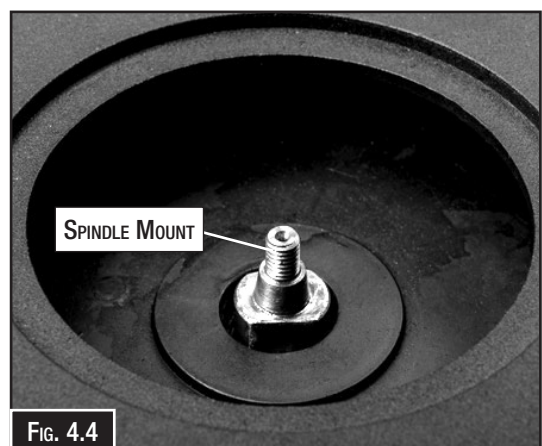


FIG. 4.4



WARNING!

Before operating any machine, take time to read and understand all safety signs and symbols. If not understood seek explanation from trade magazines or an experienced operator.

5. OPERATION

This machine may perform many types of operations that are beyond the scope of this manual. Many of these operations may be dangerous or deadly if performed incorrectly.

The instructions in this section are written with the understanding that the operator has the necessary knowledge and skills to operate this machine. If at any time you are experiencing difficulties performing any operation, stop using the machine!

If you are an inexperienced operator, we strongly recommend that you read books, trade articles, or seek training from an experienced operator before performing any unfamiliar operations. **Above all, your safety should come first!**

5.1 SELECTING A TABLE INSERT

NOTE: Failure to use the correct Table Insert with its matching Sanding Sleeve could result in pinched fingers or the workpiece being pulled down between the Table Insert and the Sanding Sleeve.

The Sanding Sleeve should fit snugly into the central cut-out of the Table Insert. Use the following chart to help determine the correct Table Insert and Upper Spindle Washer to use with each Sanding Sleeve.

SANDING SLEEVE DIAMETER	TABLE INSERT SIZE	UPPER SPINDLE WASHER SIZE
13mm (½")	13mm (½")	Small
19mm (¾")	19mm (¾")	Medium
26mm (1")	26mm (1")	Medium
38mm (1½")	38mm (1½")	Large
51mm (2")	51mm (2")	Large
76mm (3")	76mm (3")	Large

PARTS IDENTIFICATION

1. Spindle
2. ON/OFF Switch
3. Spindle Storage
4. Sanding Sleeve
5. Lower Spindle Washer
6. Table Insert Storage
7. Upper Spindle Washer
8. Spindler Lock Nut & Washer
9. Table Insert
10. 2 x Wrench
11. Dust Port Adaptor
12. Sleeve Drums
13. Motor Housing
14. Table Top



FIG. 5.1

5.2 SELECTING THE RIGHT GRADE OF SANDING SLEEVE

- Sanding Sleeves (4) are available in a variety of different grades: coarse (80 grit), medium (150 grit) and fine (240 grit).
- Use a coarse grit to sand down rough finishes, medium grit to smooth the work, and fine grit to finish off.
- Always use good quality Sanding Sleeves to maximise the quality of the finished task.
- It is advisable to carry out a trial run on a scrap piece of material to determine the optimum grades of Sanding Sleeves for a particular job. If there are still marks on your workpiece after sanding, try either reverting back to a coarser grade and sanding the marks out before recommencing with the original choice of grit, or try using a new Sanding Sleeve to eliminate the unwanted marks before using a finer grit to finish the job.

NOTE: The smallest 13mm (1/2in) Sanding Sleeve (4) fits directly onto the Spindle (1) and does not require a matching Sleeve Drum (12)

5.3 FITTING A SANDING SLEEVE

1. Fit the Lower Spindle Washer (5) over the Spindle with the grooves facing upwards. (Fig. 5.2)
2. Select the correct Sanding Sleeve for the intended job. Select the corresponding Sleeve Drum (except when using the 13mm (1/2in) Sanding Sleeve).
3. Select the appropriate Table Insert (9) in accordance with the table in 'Selecting a table insert'.
4. Fit the Table Insert over the Spindle and onto the Lower Spindle Washer. Ensure the Table Insert is flush with the table.
5. Fit the Sleeve Drum over the Spindle.
6. Slide the Sanding Sleeve over the Sleeve Drum.
7. Fit the Upper Spindle Washer (7) over the Spindle.
 - Use the large washer with the 76mm (3in), 51mm (2in), and 38mm (1 1/2in) Sleeve Drums.
 - Use the medium washer with the 26mm (1in) and 19mm (3/4in) Sleeve Drums.
 - Use the small washer with the 13mm (1/2in) Sanding Sleeve.
8. Fit the Spindle Lock Nut & Washer (8) on the Spindle. Use the Wrench (10) to tighten the Spindle Lock Nut just enough to expand the Sleeve Drum against the Sanding Sleeve. Do not over-tighten. (Fig. 5.3)



FIG. 5.2



FIG. 5.3

- When the Sanding Sleeve is completely worn it is possible to turn it upside down and maximise its service life by using the remaining grit.
- If the sleeve rotates on the drum when switched on, the Spindle Lock Nut has not been sufficiently tightened to compress the drum and therefore grip the sleeve.

IMPORTANT: DO NOT use a Sanding Sleeve that is too worn. This can lead to excessive heat build-up and damage the Sleeve Drum. Damaged Sleeve Drums due to worn Sanding Sleeves will not be covered under warranty.

5.4 OPERATING PROCEDURE

WARNING: *ALWAYS wear eye protection, adequate respiratory and hearing protection, as well as suitable gloves when working with this tool.*

WARNING: *Ensure your gloves and clothing do not have loose threads that could be caught by and dragged into the rotating Spindle (1), otherwise this could result in severe injury. It is recommended that non-fabric gloves are worn.*

SWITCHING ON & OFF

Note: Ensure there is no contact between the Sanding Sleeve (4) and the Table Insert (9) before switching the machine on.

- To switch the spindle sander on, press the ON Switch (2) located on the front of the spindle sander.
- To switch the spindle sander off, press the OFF Switch.

5.5 SANDING

WARNING: *Do not sand metal with this sander. Sanding metal will cause sparks that may ignite wood and dust particles on the sander or in the workshop.*

Note: *The Spindle (1) rotates in an anti-clockwise direction.*

1. Check the machine is mounted securely on the workbench and the Spindle Lock Nut & Washer (8) is fastened correctly with appropriate Sanding Sleeve (4) and Table Insert (9).
2. Wear appropriate safety equipment, including face mask and safety glasses, then switch on the dust extraction system (if available).
3. Switch the sander on and allow the motor to reach full speed.

IMPORTANT: Feed the workpiece gradually AGAINST the direction of rotation, onto the Sanding Sleeve. Failure to do this could force the workpiece away from the Sanding Sleeve with risk of injury. Do not force the workpiece or apply excessive force.

4. When finished, switch off the machine and disconnect from mains power.

6. MAINTENANCE

WARNING: *ALWAYS disconnect from the power supply before carrying out any inspection, maintenance or cleaning.*

6.1 GENERAL INSPECTION

- Regularly check that all the fixing screws are tight. They may vibrate loose over time.
- Before each use, inspect the tool's supply cord for damage or wear. Repairs should be carried out by an authorised HAFCO service centre.

CLEANING

- Keep your tool clean at all times. Dirt and dust will cause internal parts to wear quickly and will shorten the tool's service life. Clean the body of your tool with a soft brush or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes.
- Clean the tool casing with a soft damp cloth using a mild detergent. Do not use alcohol, petrol or strong cleaning agents.
- Never use caustic agents to clean plastic parts. Water must never be allowed to make contact with the tool.
- Periodically remove the Table Insert (9) and Lower Spindle Washer (5) from the Spindle (1) and remove any dust accumulation in the Table Insert area.
- Re-lubricate all moving parts at regular intervals.

6.2 TROUBLESHOOTING

Review the troubleshooting and procedures in this section if a problem develops with your machine. If you need replacement parts then follow the procedure in the beginning of the spare parts section or if additional help with a procedure is required, then contact your distributor.

Note: Make sure you have the model of the machine, serial number, and manufacture date before calling.

SYMPTOMS	POSSIBLE CAUSE	POSSIBLE SOLUTION
No function when ON/OFF Switch (2) is operated.	1. No power. 2. Defective ON/OFF Switch.	1. Check power supply. 2. Replace the ON/OFF Switch at an authorised Triton service centre.
Sanding Sleeve (4) does not rotate with Sleeve Drum. (12)	1. Sanding Sleeve (4) does not rotate with Sleeve Drum (12)	1. Tighten Spindle Lock Nut in small increments until the Sleeve Drum secures the Sanding Sleeve.
Large amounts of dust are being produced.	1. Dust extractor passage is blocked. 2. Incorrect Table Insert used.	1. Switch off the machine at the mains. Remove the Sleeve Drum, Table Insert (9) and the Lower Spindle Washer (5). Remove the blockage from the Dust Extraction. 2. Change to the correct-sized Table Insert.
Corrosion is forming on the Table Top.	1. Moisture is causing the Table Top to corrode.	1. Using a clean dry cloth, rub a thin film of compatible protective lubrication over the clean Table Top surface.
Sleeve Drum not operating at full speed or motor sounds different to normal.	1. Motor over-heating. 2. Motor faulty.	1. Switch off and allow to cool for 30 minutes. 2. Contact an authorised HAFCO service centre
Machine slows when operating.	1. Workpiece pressure is too great.	1. Reduce feeding pressure.
Deep sanding grooves or scars in work piece.	1. Sanding sleeve too coarse for the desired finish. 2. Workpiece sanded across the grain. 3. Too much feeding pressure against work-piece.	1. Use a finer grit sanding sleeve. 2. Sand with the grain. 3. Reduce pressure on workpiece while sanding.
Grains rub off the sanding sleeve.	1. Sanding sleeve has been stored in an incorrect environment. 2. Sanding sleeve has been folded or squashed.	1. Store sanding sleeve away from extremely dry or hot temperatures. 2. Store sanding sleeves separately and not folded or flat.
Sanding surfaces clog quickly or burn	1. Too much pressure against sleeve. 2. Sanding softwood or wood with a high sap content	1. Reduce pressure on workpiece while sanding. 2. Either use different wood or plan on cleaning or replacing sleeves frequently.
Burn marks on work piece.	1. Using too finer sanding grit. 2. Using too much pressure. 3. Work held still for too long	1. Use a coarser grit sanding sleeve. 2. Reduce pressure on workpiece while sanding. 3. Do not keep workpiece in one place for too long.



WARNING!

Make sure the machine is turned OFF and the cord is disconnected from the power source before installing/removing and servicing any component of the machine.



WARNING!

The fine dust particles produced by the woodworking machines can go inside your lungs and cause serious respiratory problems. Make sure to wear a dust mask and connect the machine to a proper dust collection system while operating.

BENCH BOBBIN SANDER

OS-115

Order Code: (W790)

The following section covers the spare parts diagrams and lists that were current at the time this manual was originally printed. Due to continuous improvements of the machine, changes may be made at anytime without notification.

HOW TO ORDER SPARE PARTS

1. Have your machines model number, serial number & date of manufacture on hand, these can be found on the specification plate mounted on the machine.
2. A scanned copy of your parts list/diagram with required spare part/s identified.

NOTE: SOME PARTS MAY ONLY BE AVAILABLE AS AN ASSEMBLY

3. Go to www.machineryhouse.com.au/contactus and fill out the inquiry form attaching a copy of scanned parts list.



WARNING!

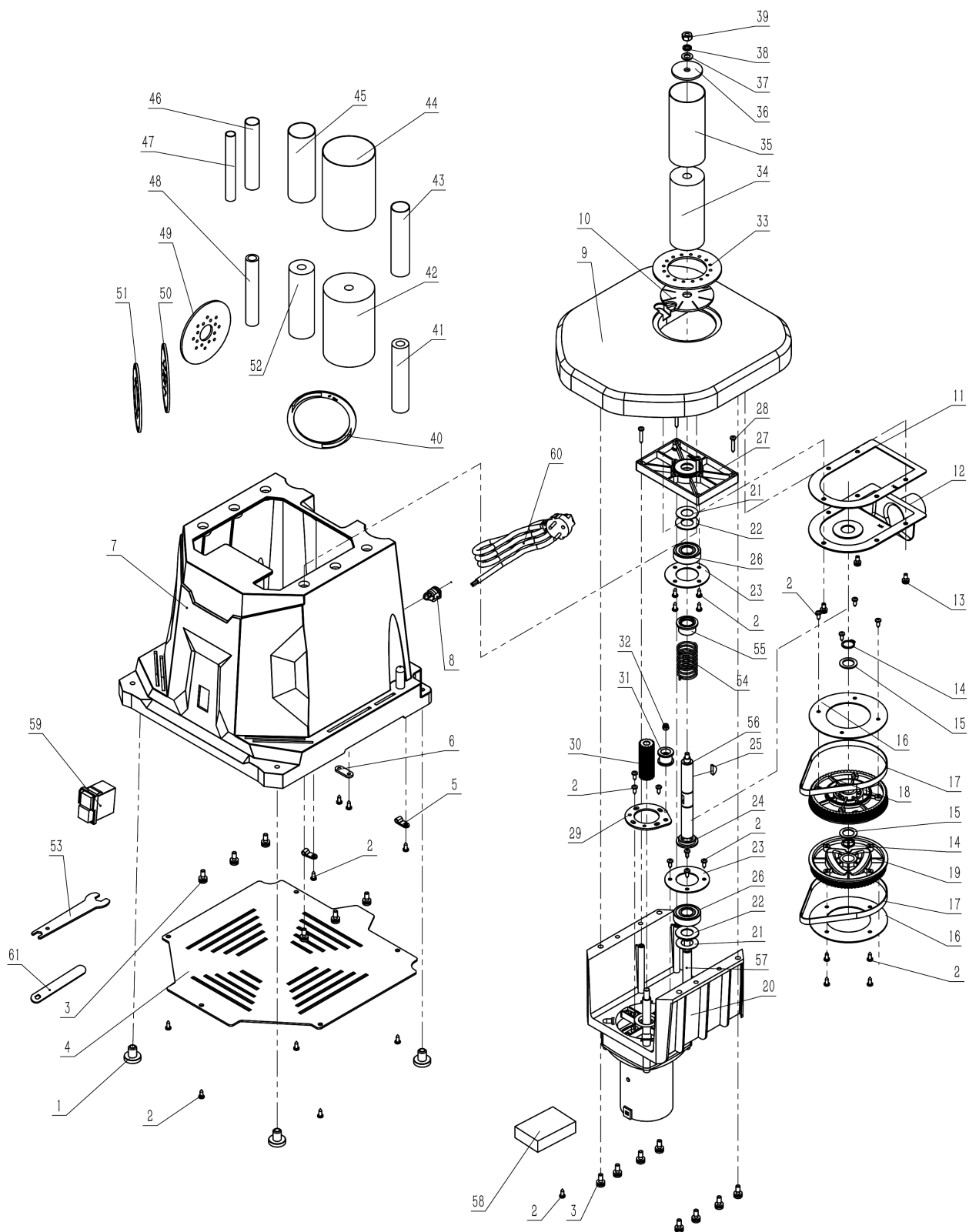
*Electricity is dangerous and could cause death.
All electrical work must be carried out by a qualified electrician.*



CAUTION!

It is impossible to cover all possible hazards Every workshop environment is different. These are designed as a guide to be used to compliment training and as a reminder to users prior to equipment use. Always consider safety first, as it applies to the individual working conditions.

PARTS DIAGRAM



PARTS LIST

ITEM	DESCRIPTION	QTY
1	Insert-type Foot	4
2	Cross Recessed Pan Head Self-tapping Screw	29
3	Cross Recessed Pan Head Screw, Spring Washer and Plain Washer Assembly	14
4	Base Plate	1
5	Cable Fixing Button	2
6	Pull-resistant Pad	1
7	Base	1
8	Cable Clamp - 6P4	1
9	Worktable	1
10	Sand Drum Pad	1
11	Dust Suction Port	1
12	Dust Inlet	1
13	Cross Recessed Pan Head Screw, Spring Washer and Plain Washer Assembly	3
14	Shaft Elastic Retaining Ring	2
15	Spring Pad	2
16	Pulley Pressure Plate	2
17	Synchronous Toothed Belt	2
18	70-tooth Synchronous Pulley	1
19	69-tooth Synchronous Pulley	1
20	Sand Drum Brush DC Motor	1
21	Rubber Pad	2
22	Felt Pad	2
23	Pressure Plate	2
24	Bushing 2	1
25	Half-round Key	1
26	Deep Groove Ball Bearing	2
27	Support Plate	1
28	Cross Recessed Pan Head Self-tapping Screw	4
29	Tensioner Assembly	1
30	Motor Pulley	1
31	Tensioner Assembly	1
32	Type 1 Non-metallic Insert Hexagon Locking Nut - M5	1
33	Worktable Cover Plate (2" / 51mm)	1
34	Sand Drum Roller (2" / 51mm)	1
35	Sand Drum	1
36	Sand Drum Pressure Plate	1
37	Plain Washer Grade C-8	1
38	Spring Washer - 8	1
39	Type 1 Hexagon Nut - M8	1
40	Worktable Cover Plate (3" / 76mm)	1
41	Sand Drum Roller (1" / 25mm)	1
42	Sand Drum Roller (3" / 76mm)	1
43	Sand Drum 26mm 80#	1

NOTE: SOME INDIVIDUAL PARTS MAY ONLY BE AVAILABLE AS AN ASSEMBLY

PARTS LIST CONT.

ITEM	DESCRIPTION	QTY
44	Sand Drum 76mm 80#	1
45	Sand Drum 38mm 80#	1
46	Sand Drum 19mm 80#	1
47	Sand Drum 13mm 80#	1
48	Sand Drum Roller (0.75" / 19mm)	1
49	Worktable Cover Plate (0.75" / 19mm)	1
50	Worktable Cover Plate (0.5" / 13mm)	1
51	Worktable Cover Plate (1.5" / 38mm)	1
52	Sand Drum Roller (1.5" / 38mm)	1
53	Wrench	1
54	Spring	1
55	Bushing 1	1
56	Main Shaft 1	1
57	Main Shaft 2	1
58	Circuit Board	1
59	Electromagnetic Switch	1
60	Power Cord	1
61	Wrench	1

NOTE: SOME INDIVIDUAL PARTS MAY ONLY BE AVAILABLE AS AN ASSEMBLY



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

IMPORTED BY



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**Hare & Forbes
Machineryhouse**
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Ph: 1300 202 200
www.machineryhouse.com.au



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