SIP Industrial Products Limited

Gelders Hall Road
Shepshed
Loughborough

Leicestershire
LE12 9NH
United Kingdom

SIP 14” Starter Wood Lathe Package



Please read and fully understand the instructions in this manual before operation. Keep this manual safe for future reference.

SIP Code 01458

For help or advice please contact your distributor, or SIP directly :

Tel.: 01509 500400 Email: sales@sip-group.com

customerservice@sip-group.com

www.sip-group.com

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SAFETY INSTRUCTIONS



Danger / Caution: This image indicates risk of personal injury and/or the possibility of damage.



Warning: This image indicates risk of electrical injury or damage!



Note: This image indicates supplementary information.



Important: Please read the following instructions carefully, failure to do so could lead to serious personal injury and / or damage to the item.

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.
Read all these instructions before operating the machine and save this user manual for future reference.
SIP recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

1. KNOW YOUR MACHINE: Read and understand the owner's manual and labels affixed to the tool. Learn its applications and limitations, as well as the potential hazards specific to this tool.

2. KEEP WORK AREA CLEAN AND WELL LIT: Cluttered work benches and dark areas invite accidents; Floors must not be slippery due to oil, water or sawdust etc.

3. DO NOT OPERATE THE MACHINE IN DANGEROUS ENVIRONMENTS: Do not operate the machine in damp or wet locations, or expose it to rain. Provide adequate space surrounding the work area. Do not use in environments with a poten-

tially explosive atmosphere.

4. ***KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA:*** All visitors should be kept at a safe distance from the work area.

5. STORE TOOLS SAFELY WHEN THEY ARE NOT IN USE: All tools should be stored in a dry, locked cupboard wherever possible and out of the reach of children.

6. WEAR THE CORRECT CLOTHING: Do not wear loose clothing, neck-ties, rings, bracelets, or other jewellery, which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves up above the elbow.

7. USE SAFETY GOGGLES AND EAR PROTECTION ETC: Wear CE / BS approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. A face or dust mask should be worn if the operation is dusty and ear protectors (plugs or muffs) should be worn, particularly during extended periods of operation.

8. PROTECT YOURSELF FROM ELECTRIC SHOCK: When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). It is advisable wherever possible to use an RCD (residual current device) at the mains socket.

9. STAY ALERT: Always watch what you are doing and use common sense. Do not operate the item when you are tired or under the influence of alcohol or drugs.

10. DISCONNECT THE MACHINE FROM THE MAINS SUPPLY: When not in use, before servicing and when changing accessories such as blades etc.

11. AVOID UNINTENTIONAL STARTING: Make sure the switch is in the OFF position before connecting the machine to the mains supply.

12. NEVER LEAVE THE TOOL RUNNING / CONNECTED WHILST UNATTENDED: Turn the item off and disconnect it from the mains supply between jobs; Do not leave machine until it comes to a complete stop.

13. DO NOT ABUSE THE MAINS LEAD: Never carry the machine by the mains lead or pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid unwanted hazards.

14. CHECK FOR DAMAGED PARTS: Before every use of the machine, a guard or

other part that is damaged should be carefully checked to determine that it will operate correctly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or other part that is damaged should be correctly repaired or replaced by an authorized service centre. Do not use the machine if the switch does not turn it on and off.

15. KEEP ALL GUARDS IN PLACE: And in full working order.

16. MAINTAIN THE MACHINE WITH CARE: Keep the machine clean for the best and safest performance. Follow instructions for lubricating. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grip on the tool clean, dry and free of any grease.

17. USE ONLY RECOMMENDED ACCESSORIES: Consult this user manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards and will invalidate any warranty you may have.

18. SECURE THE WORK-PIECE: Use clamps or a vice to hold the work-piece . This frees up both hands to operate the tool.

19. DO NOT OVERREACH: Keep proper footing and balance at all times.

20. DO NOT FORCE THE MACHINE: It will do the job better and more safely at the rate which it was designed.

21. DO NOT OPERATE THE MACHINE IN EXPLOSIVE ATMOSPHERES: Do not use the tool in the presence of flammable liquids, gases, dust or other combustible sources. The motor may create sparks during normal operation which can ignite the dust or fumes.

22. HAVE YOUR MACHINE REPAIRED BY A QUALIFIED PERSON: The machine is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.



This machine contains surfaces which may reach a high temperature during operation. Never operate with any housing, cover or guard removed.



Wear safety goggles when using this machine.

- If the work-piece or clamp becomes jammed, turn the machine off. Wait for all moving parts to stop and disconnect the plug from the power source. Then work to free the jammed material.
- Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the work-piece. Small debris or loose pieces of wood or other objects that contact the revolving clamp can be thrown with high speed.
- Never cross your hand over the intended line of cutting either in front, behind or aside the clamps.
- Ensure the machine or placed on a level, firm work surface before use. A level and firm work surface reduces the risk of the machine becoming unstable.
- Wood lathes are intended to cut wood or wood-like products, they cannot be used for cutting ferrous material such as bars, rods, studs, etc.
- Ensure that the table base is properly secured so it will not move during operation.
- Keep hands out of path of cutting tool and jaws, never reach around them.
- Stay alert at all times, especially during repetitive, monotonous operations. Don't be lulled into a false sense of security.
- Before making the first operation the machine, turn it by hand to ensure nothing is catching, then turn the machine on and let it run for a while; Watch for vibration or wobbling that could indicate poor installation. Adjust or replace as necessary.
- Stop operation immediately if you notice anything abnormal.
- Turn off the machine and wait for it to complete stop before moving work-piece or changing settings. Wait for it to stop completely and remove from mains supply before servicing or adjusting.
- Understand the operating environment; Before each use the operator should assess, understand and where possible reduce the specific risks and dangers associated with the operating environment. Bystanders should also

SAFETY INSTRUCTIONS Cont...

be made aware of any risks associated with the operating environment.



When using the machine always ensure the operator as well as those in the area wear ear protection.



When using the machines always ensure the operator as well as those in the area wear eye protection.



Some wood and wood composites have the potential to be highly toxic; always wear a face mask when operating machine.

ELECTRICAL CONNECTIONS



WARNING: Read these electrical safety instructions thoroughly before connecting the product to the mains supply.

This machine is for use with a 230V UK domestic socket and should be grounded/earthed. Make sure that the product is connected to an outlet that has the same configuration as the plug. If an extension lead is used, make sure the cable size is sufficient as to be able to take the current of the unit.

Check with a qualified electrician if the grounding instructions are not understood or there is doubt as to whether the product is properly grounded. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a *qualified* electrician.

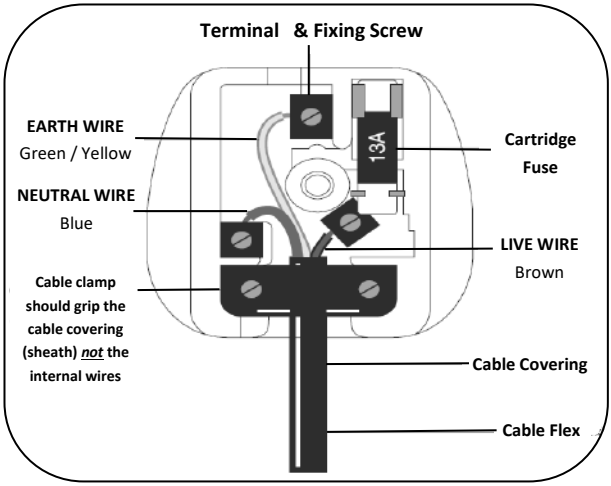
Improper installation of the grounding plug will result in a risk of electric shock. If repair or replacement of the cable or plug is necessary, consult a qualified electrician.

ELECTRICAL CONNECTIONS Cont...

We strongly recommend that this machine is connected to the mains supply through a Residual Current Device (RCD).

If you are not sure, consult a qualified electrician. DO NOT try to do any repairs.

BS1363A UK Plug Wiring	
Blue	Neutral / **N**
Brown	Live / **L**
Earth	Green & Yellow / ⏚



NOTE: Always make sure the mains supply is of the correct voltage and the correct fuse protection is used. In the event of replacing the fuse always replace the fuse with the same value as the original.

WARNING: Improper use of extension leads may cause inefficient operation of the item which can result in overheating and motor damage.

WARNING: The wires in the power cable of this product are coloured in accordance with the following code:

Blue = neutral / Brown = live / Yellow and Green = Earth

GUARANTEE



NOTE: Proof of purchase will be required before any warranty can be honoured.

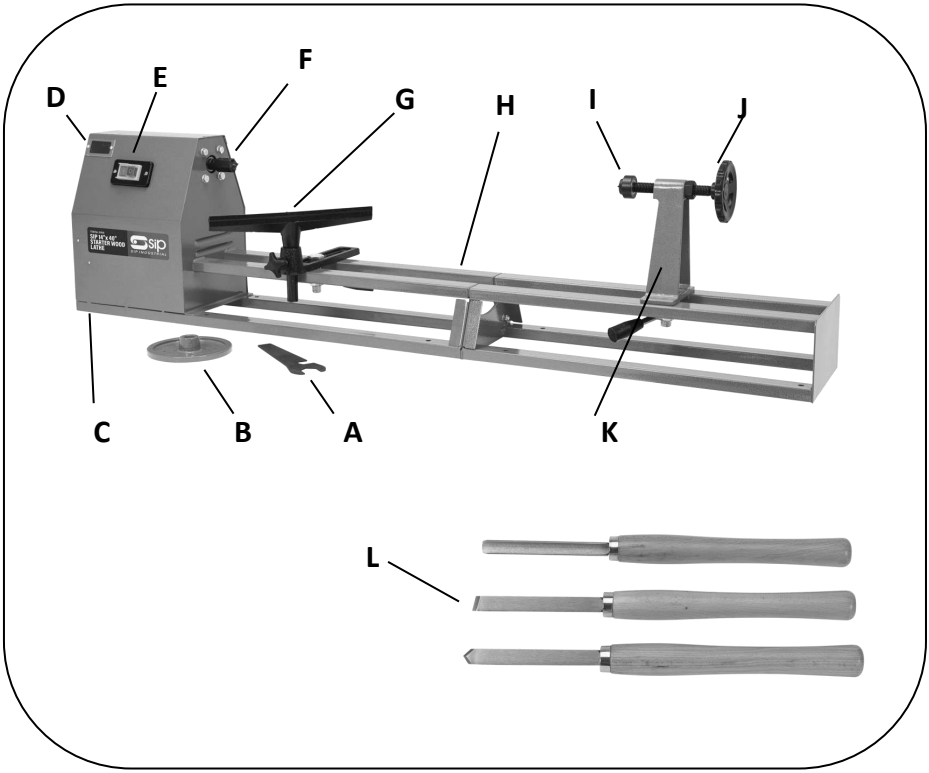
This item is covered by a 24 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the item outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges Including, but not limited to parts, labour and carriage costs.

Consumable items such as v-belts, drive-centres, etc are not covered by the warranty.

TECHNICAL SPECIFICATION

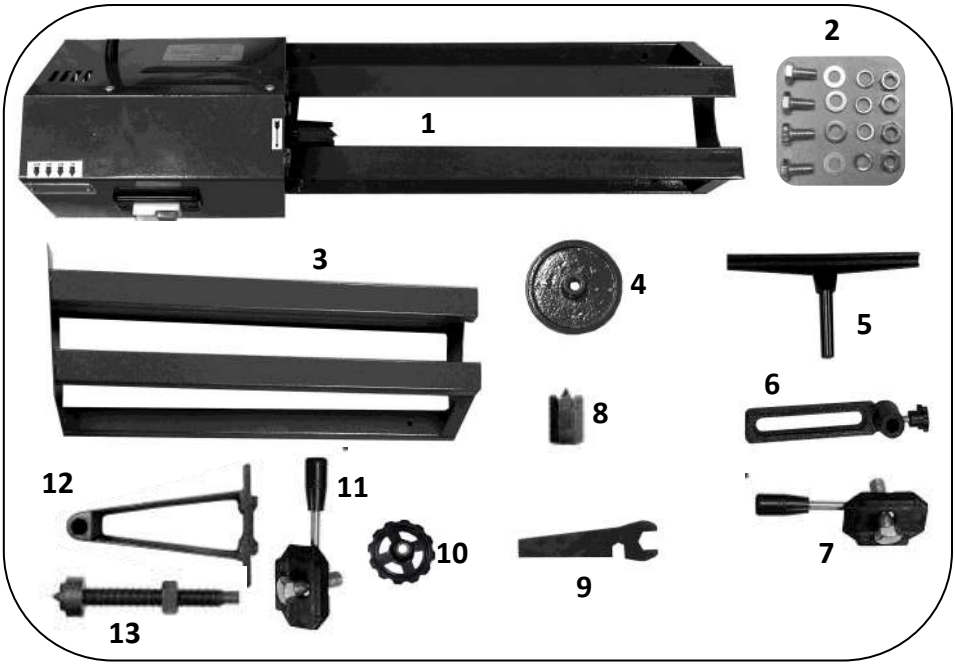
Model	*01458 SIP14" Starter Lathe*
Supply	230v 50Hz
Motor Power	370 watts
Turning Speeds	720 / 1240 / 1750 / 2150 rpm
Distance Between Centres	1000mm (39")
Max Turning Diameter	350mm (14")
Headstock Thread	3/4" x 16TPI UNF
Sound Pressure LpA - dB	70.8 No Load / 76.6 Loaded
Sound Power LwA - dB	81.1 No Load / 87.6 Loaded
Protection	IP20
Dimensions	1420 x 200 x 345mm
Weight	23.3kG

GETTING TO KNOW YOUR LATHE



Item	*Description*	*Item*	*Description*
A	Wrench	G	Tool Rest
B	Face Plate	H	Bed
C	Headstock	I	Revolving Centre
D	Pulley Window	J	Handle
E	On / Off Switch	K	Tailstock
F	Drive Centre	L	Chisel Set

CONTENTS



Item	Description	Item	Description
1	Headstock	8	Drive Centre
2	Fixings	9	Wrench
3	Bed	10	Hand Wheel
4	Face-Plate	11	Tailstock Clamp
5	Tool-Rest	12	Tailstock
6	Tool-Rest Support	13	Tailstock Spindle
7	Tool-Rest Clamp		

- Join the bed and headstock together using the bolts provided. Pay attention and ensure alignment. *Fig.1*

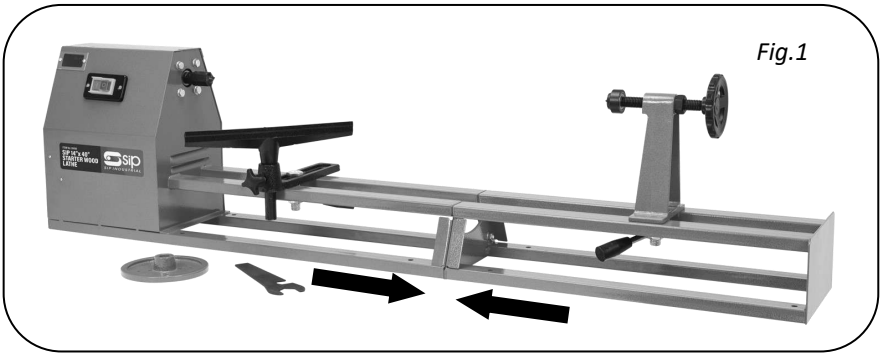


Fig.1

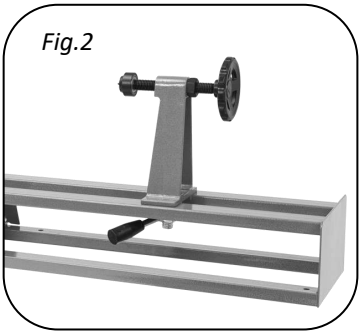


Fig.2

- Place the tailstock on the lathe bed and hold in position using the clamp.
- Ensure the tailstock is the correct way around *Fig.2*. The lever of the clamp should be on the same side as the operator.

- Screw the tailstock spindle into the tailstock ; fit the nut and push the hand wheel onto the spindle end.
- Use the grub screw on the handle to hold in position. *Fig.3*



Fig.3

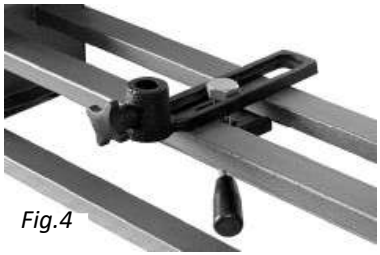


Fig.4

- Fit the tool-rest bracket to the bed using the clamp . Ensure the handle is the same side as the operator. *Fig.4*
- The tool-rest can now be placed into the bracket and held in place using the hand screw.

- The lathe can be operated with the *Centre-Drive* being fitted (*Fig.5)* or the *Face-Plate (Fig.6).* Both screw onto the headstock spindle.



Fig.5



Fig.6



Danger / Caution: Ensure that the lathe is secured to a woodbench or worksurface prior to operation.

SPINDLE SPEEDS

- The lathe is fitted with motor and spindle pulleys to achieve the 4 speeds.
- The pulleys can be viewed through the window on the headstock. Fig.7

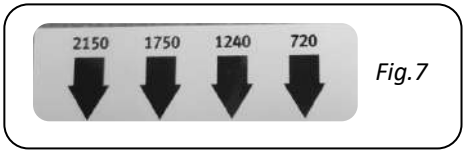
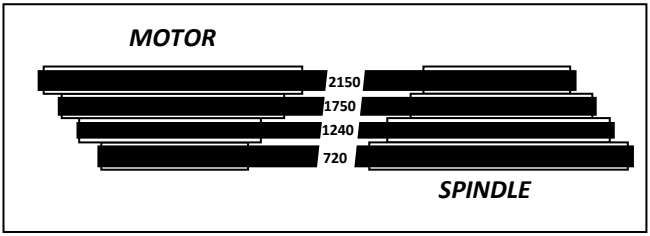


Fig.7



SPINDLE TURNING

- Below is a guide for speeds (rpm) for spindle turning.
- Speeds will vary depending on "*roughing*" or "*finishing*".

	SPINDLE LENGTH					
Diameter	*6" (150mm)*	*13"(305mm)*	*18" (460mm)*	*24" (610mm)*	*36" (915mm)*	*48" (1220mm)*
1/2"(13mm)	2500	2100	1500	900		
2" (50mm)	2000	2000	2000	1500	1200	1000
3"(75mm)	1500	1500	1500	1500	1200	1200
4" (100mm)	1000	1000	900	800	700	700
5" (125mm)	900	900	700	700	600	600
6" (150mm)	500	500	500	500	400	400

FACEPLATE TURNING

- Below is a guide for faceplate turning, typically making bowls.
- 400rpm should be deducted for roughing and 200rpm for shaping.

	BOWL THICKNESS				
Diameter	2"(50mm)	4" (100mm)	6" (150)	8" (200mm)	10" (250mm)
4"(100mm)	1700	1500	1300	1100	900
6" (150mm)	1600	1400	1200	1000	800
8"(200mm)	1500	1300	1100	900	700
10"(250mm)	1400	1200	1000	800	600
12" (300mm)	1300	1100	900	700	500
14"(350mm)	1200	1000	800	600	400

CHANGING SPEEDS

- To change the speed make sure that the lathe is switched off and unplugged.
- Remove the 2 screws in headstock door.
- Loosen the 4 motor bolts as shown in *Fig.8.*
- Slightly lift the motor pulley and relocate the belt on the pulley for your required speed.
- Re-tension the motor and tighten the 4 bolts. No more than 1/2" (13mm) play.
- The lathe will not operate unless the door is closed and the screws tightened.



All the information supplied in the table charts is for guidance only and the information may vary from manufacturer to manufacturer.

WARNING: Always switch off and unplug the lathe when changing the speed or setting up prior to turning.

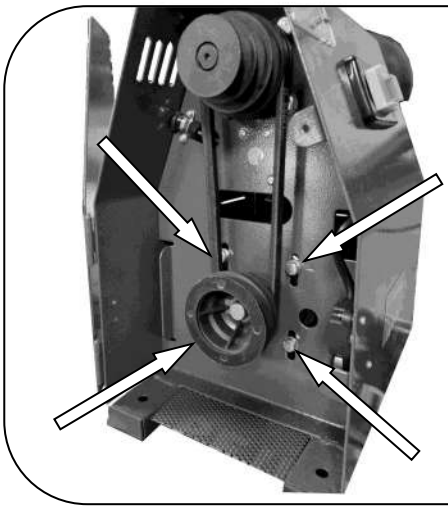


Fig.8

- Ensure that the tool-rest and tailstock are securely locked in position before starting work.
- Rotate the workpiece by hand before turning on the motor to check it does not come into contact with the tool/tool rest.
- Always use the lowest speed when starting a new workpiece and roughly turn the work to a round shape at low speed.
- Position the tool-rest just above the centre-line of the workpiece.
- Beware of timber which is damaged, has splinters or contains knots. Proceed with caution if these are discovered.
- Take care and gently apply pressure with the chisels on the workpiece, avoid sudden force.
- Press the green push-button to start the lathe.

MAINTENANCE

- ***Visual Inspection***

The machine should be inspected before each operation. All moving parts, screws, nuts, and covers should be checked in order to make sure everything is in place. Tighten any loose part and adjust any deviations.

- ***Cleaning***

The machine should be kept cleaned of dust and chips at all the times to ensure correct operation and avoid further damage to moving parts. It is recommendable to use a vacuum machine and compress air to take out any dust left after operation.

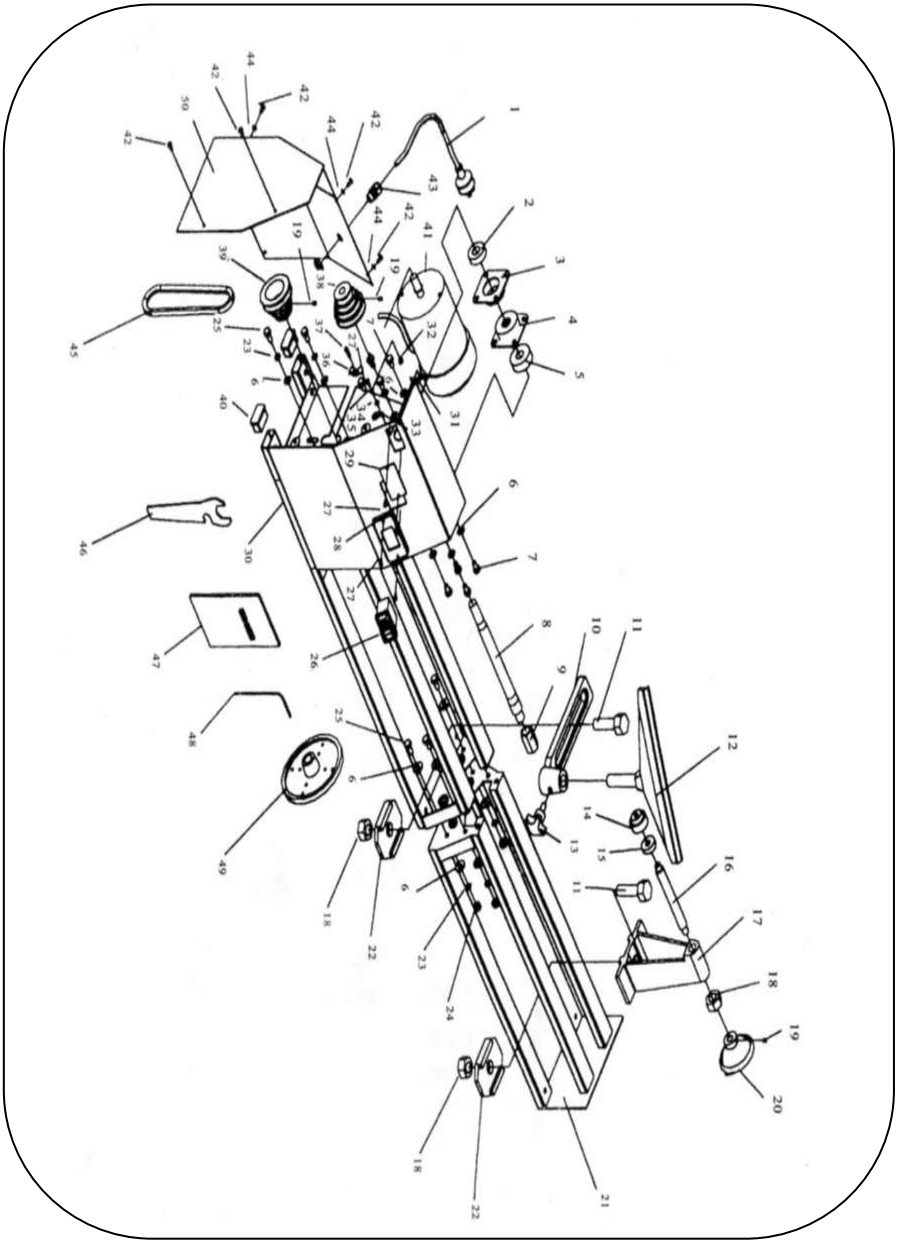
- ***Lubrication***

Oiling the moving parts regularly will ensure the quality and life of the machine to ensure correct operation.



Danger / Caution: For your own safety; always turn the lathe off and disconnect it from the mains supply before performing any maintenance or lubrication work on the lathe.

EXPLODED DRAWING



PARTS LIST

Item	*Description*	*SIP Part No.*	*Item*	*Description*	*SIP Part No.*
1.	Power cable	WD01-02185	**26.**	Switch	WD01-02210
2.	Ball bearing	WD01-02186	**27.**	Screw	WD01-02211
3.	Bearing Block	WD01-02187	**28.**	Switch bracket	WD01-02212
4.	Bearing Block	WD01-02188	**29.**	Window	WD01-02213
5.	Ball bearing	WD01-02189	**30.**	Lathe body	WD01-02214
6.	Washer	WD01-02190	**31.**	Nut	WD01-02215
7.	Bolt	WD01-02191	**32.**	Nut	WD01-02216
8.	Main shaft	WD01-02192	**33.**	Locking Washer	WD01-02217
9.	Lathe tip	WD01-02193	**34.**	Washer	WD01-02218
10.	Jip	WD01-02194	**35.**	Spring washers	WD01-02219
11.	Cap screw	WD01-02195	**36.**	Wire bracket	WD01-02220
12.	Tool carriage	WD01-02196	**37.**	Screw	WD01-02221
13.	Locking screw	WD01-02197	**38.**	Belt pulley	WD01-02222
14.	Tip	WD01-02198	**39.**	Belt pulley	WD01-02223
15.	Ball bearing	WD01-02199	**40.**	Cover	WD01-02224
16.	Screw axis	WD01-02200	**41.**	Motor	WD01-02225
17.	Tailstock	WD01-02201	**42.**	Screw	WD01-02226
18.	Nut	WD01-02202	**43.**	Cord clamp	WD01-02227
19.	Locking screw	WD01-02203	**44.**	Washer	WD01-02228
20.	Hand wheel	WD01-02204	**45.**	Belt	WD01-02229
21.	Rear rail	WD01-02205	**46.**	Tool handle	WD01-02230
22.	Guide track plate	WD01-02206	**47.**	Instruction manual	WD01-02231
23.	Spring washer	WD01-02207	**48.**	Screw driver	WD01-02232
24.	Nut	WD01-02208	**49.**	Chuck	WD01-02233
25.	Screw	WD01-02209	**50.**	Cover plate	WD01-02234

UK DECLARATION OF CONFORMITY

We

SIP (Industrial Products) Ltd Gelders Hall Road Shepshed

Loughborough Leicestershire LE12 9NH

England

As the manufacturer within the UK, England, Scotland & Wales, declare that the :-

SIP 14" Starter Wood Lathe - SIP Part No. 01458

Conforms to the requirements of the following regulation(s), as indicated.

Supply of Machinery (Safety) Regulations 2008 Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

And the relevant harmonised standard(s), including

BS EN 61029-1:2009+A11:2020
BS EN ISO 121000:2010
BS EN 61000-3-2:2019
BS EN 61000-3-3:2013+A1
BS EN 55014-2:2015
BS EN 55014-1:2017

Signed……..	
Mr. Paul Ippaso	Managing Director
SIP (Industrial Products) Ltd	Date: 18July2023

UK CA

EU DECLARATION OF CONFORMITY

We

SIP (Machinery Europe) Ltd ASM Chartered Accountants First Floor Block One Quayside Business Park Dundalk

County Louth Republic of Ireland

As the manufacturer's authorised representative within the EC declare that the :-

SIP 14" Starter Wood Lathe - SIP Part No. 01458

Conforms to the requirements of the following directive(s), as indicated.

2006/42/EC - Machinery Directive
2014/30/EU - EMC Directive
2011/65/EU - RoHS Directive

And the relevant harmonised standard(s), including

EN 61029-1:2009+A11:2020
EN ISO 121000:2010
EN 61000-3-2:2019
EN 61000-3-3:2013+A1
EN 55014-2:2015
EN 55014-1:2017

Signed……..	
Mr. Paul Ippaso	Managing Director
SIP (Machinery Europe) Ltd	Date: 18July2023

CE

Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.





FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR, OR SIP

DIRECTLY ON:
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sales@sip-group.com

or

customerservice@sip-group.com

www.sip-group.com

12July2023