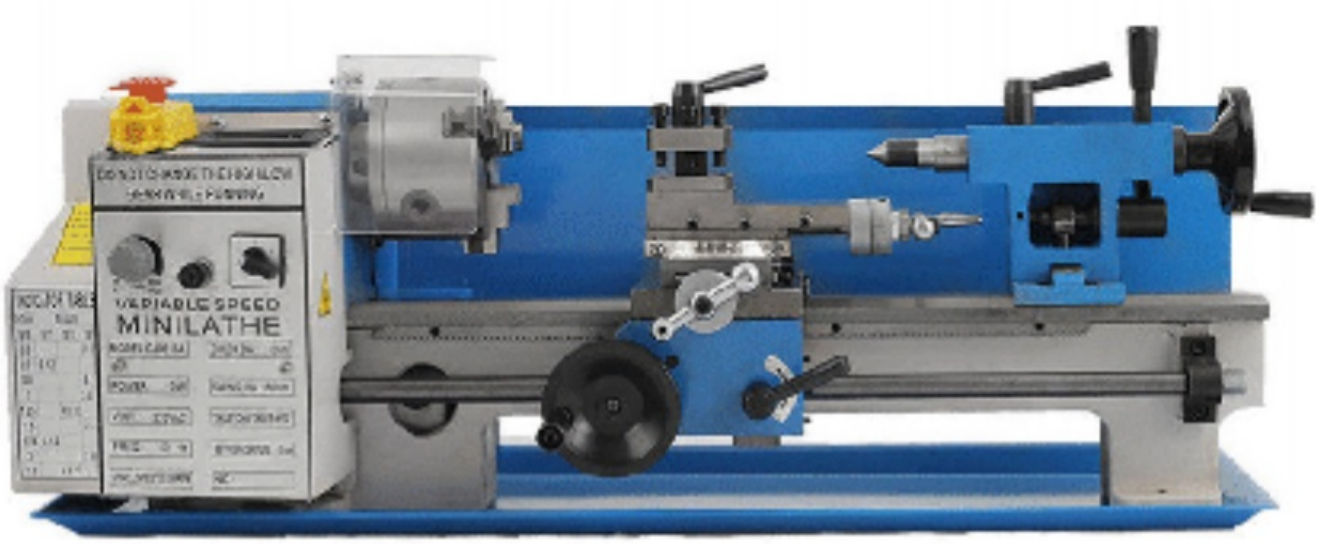
YITAHOME MAYIHdRKQB Variable Speed Mini Lathe Instruction Manual

Instruction Manual
VARIABLE SPEED MINI LATHE



Before Using Be Sure To Read This Manual
This Mow Sift Only From 12€35C/38F+9F

Contents

Safety Rules For Lathe

1. Before you turn on the motor, be Sure that you have put in suitable lubrication ac cording to manual s instruction. Also check carefully to see all the tool work pieces etc are in proper positions
2. Always use your hand to (is mount the Chuck or the lathe s face plate. Do not use power tools.
3. After installation to the chuck, remove the wrenches and tools in order not to Cause any accents when the machined is turn 0n
4. When the bathe is on, do not use a wrench to fox or adjust the workpiece or any other rotating parts of the machines
5. When the machine is in motion, do not us an instruments to measure the machine, nor test the sharpness of the cutter with your hand
6. Do not use too large a tool cutter to do your feeding with too large a workpiece. Thus will easily cause an accident because of a broken workpiece
7. Always use the night tools and stand at the proper position when performing your wot
8. Do not change the gear when the machine is in operation
9. Always keep a proper distance from the machine in order to avoid being struck by a broken workpiece

Product Features

1. Thus precision mirin lathe is design¢ to perform various types ot processing jobs Counteracted turning, riling, threading. and cutting jobs on materials made up of round bar and bar materials can b PGR formed wth this machine Thi machine can be used in areas such as rniri permission parts processing. sample processing and modeling works
2. The lathe bed is made of high grade iron The rigidity of lathe, the handiness and accuracy of the v -slier ways are obtained by raw materials, heat hardening and grinding
3. mess machine i DC motor driven
4. The spindle peed is variable from zero to 2500RP4
5. The teed speed can be adjusted according to the requirrnnts of different work pieces

The major parts of the lathe are shown is Fig. 2 and in Fig. 3.

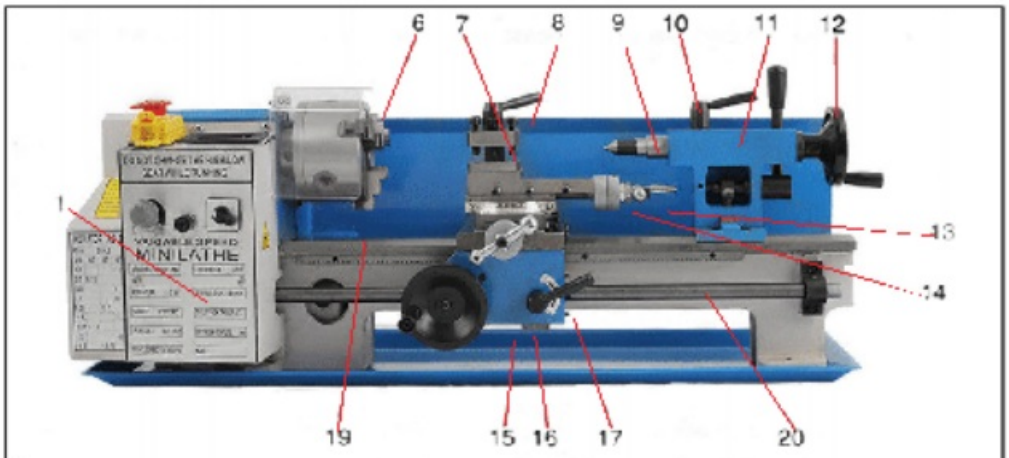


Fig. 2 Front View Of The Lathe

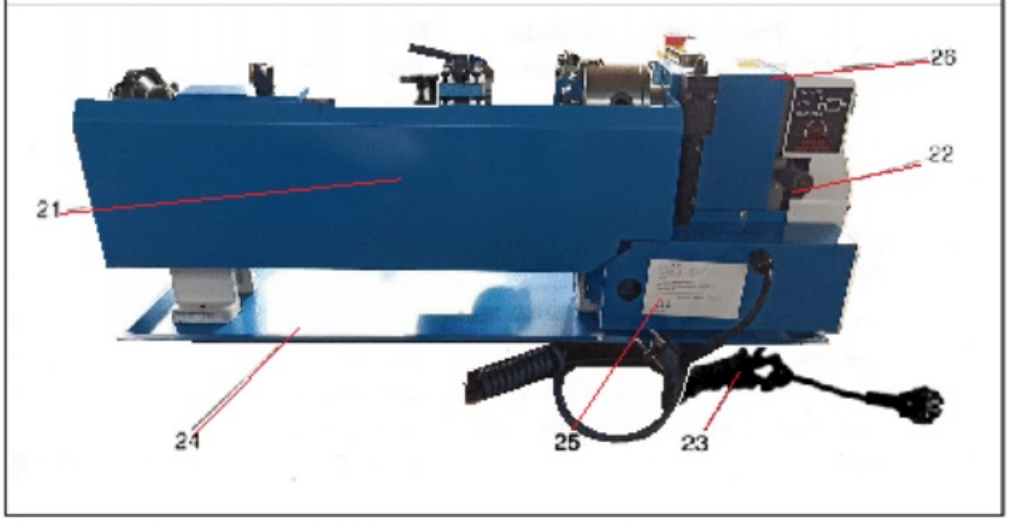


Fig. 3 Back View Of The Lathe

1. Control box (see page 4)
6. Chuck
7. Compound rest
8. Tool post
9. Fixed center
10. Tailstock quill fix holder
11. Tailstock
12. Tailstock quill adjust
13. Tailstock set screw handwheel
14. Compound rest crank
15. Feeding control wheel
16. Cross feeding crank
17. Automatic feeding handle
19. Bed way
20. Lead screw
21. Rear splash guard
22. Feeding direction selector
23. Power cord
24. Chip tray
25. Motor cover
26. End cover

Grounding And Insulation

1. in the event of a malfunction or break down, grounding provides a path of least resistance tor electric current to reduce the risk of electric shock This tool is equipped with an electric cord having an equip ment-grounding conductor and a ground ing plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes an@ oranees
2. Do not modify the plug provided even if it welt not ft the outlet, have the proper outlet installed by a qualified electrician
3. lo4oper connection of the equipment grounding conductor can result in a nisk ol electnic shock The conductor with insula ion having an outer surface which is green with or without yellow stripe is the equip ment-grounding conductor, t repair or re placement of the electric cord or plug is necessary, do not connect the equip ment-grounding conductor to a live termnal
4. Check with a qualified electrician or set viceman if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly ground end

5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole re ceptac#es that accept the tool's plug
6. Repair or replace damaged or worn cord immediately.

   Note:

   The type ol electrical plug and receptacle differs from country to country

Adjustment And Preparation

1. Clean olf grease on the machine
2. Check that the 3 set screws of the chuck are tight
3. Turn the chuck by hand and check if it ro tates freely
4. Move the Feeding direction selector frown the back of the body to the middle.
5. First shut off the switch 1 Adjust the switch 3 by turning to Gpostition and turn the switch 2 t STOP position. If the lathe needs to be started, turn the switch according to direction marked on switch to the normal position and turn the switch 210 FORWARD + REVERSE position The spindle wilt turn immediately by turning the switch , The speed can be adjusted by turning the switch , f the lathe needs to be stopped, turn the smitten 3 to "0 position.

   If the direction of the lathe spin die needs to be changed, the switch (3 must be turned to p position at first. If the lathe must be stopped under emergency situation, press the Emergency Switch immediately. If the lathe needs to be started again, do so again according to the above mentioned prooss (SEE Fg.4)

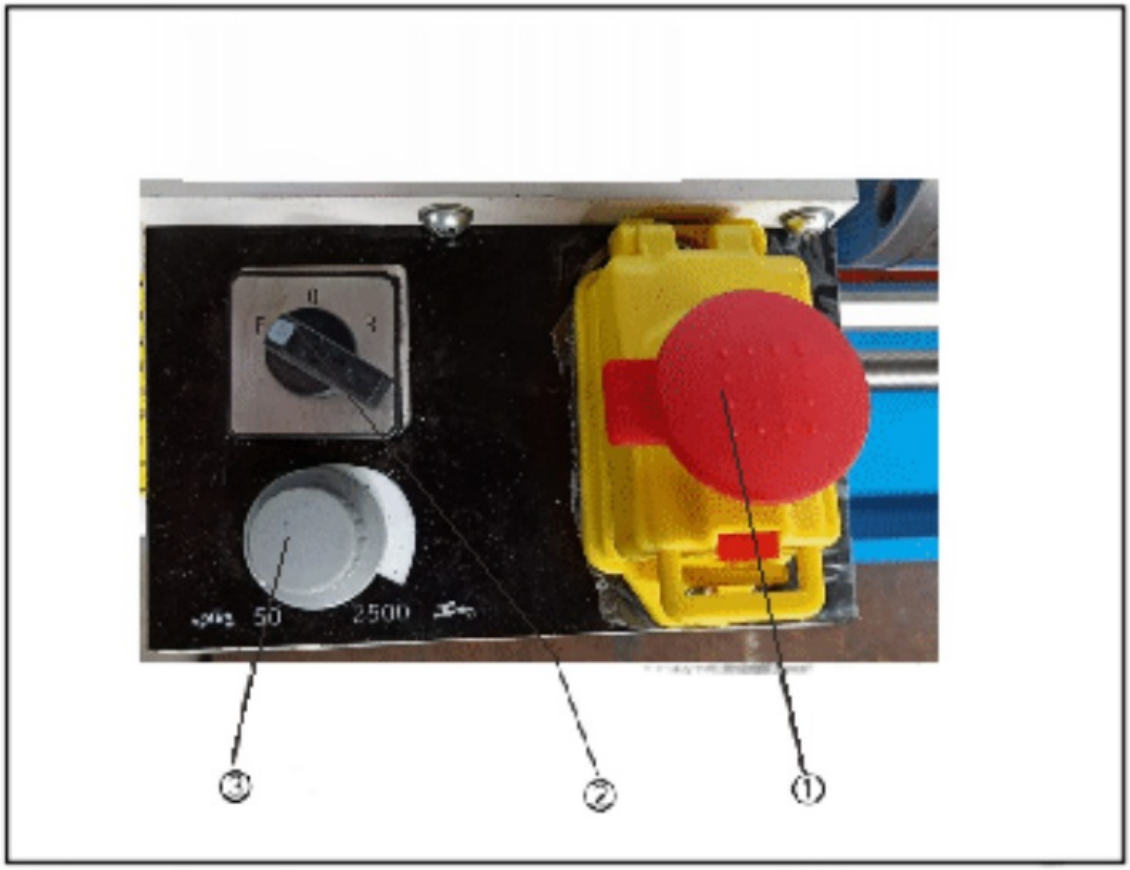


Fig. 4 Control Panel:

1.Eirenaercy atop switch

2. Forward – reves.3. switch Fprs1 Controls knob

4. Fuse

6. Check the compound res! Crank and the crocs feeding crank and see t they work properly. W they are toc

ought are Tao nose = tum the adjusting screws located at both sides ‘Fig 5)

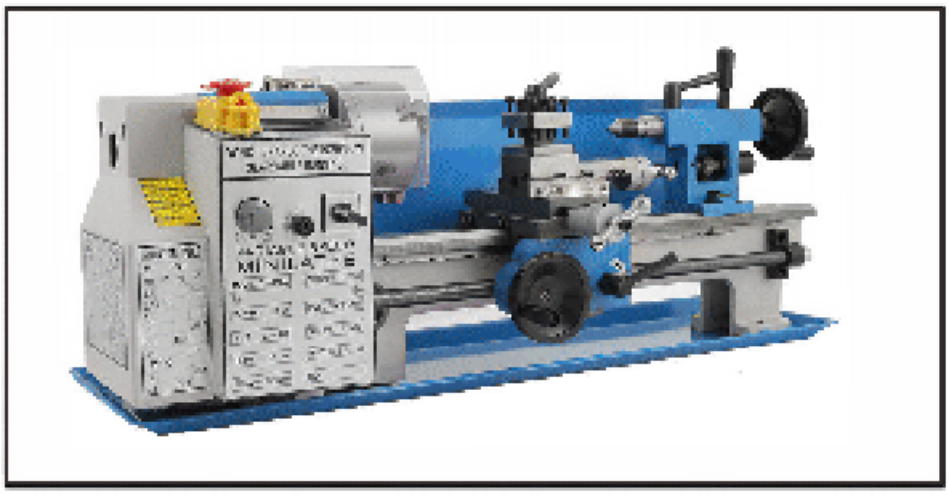
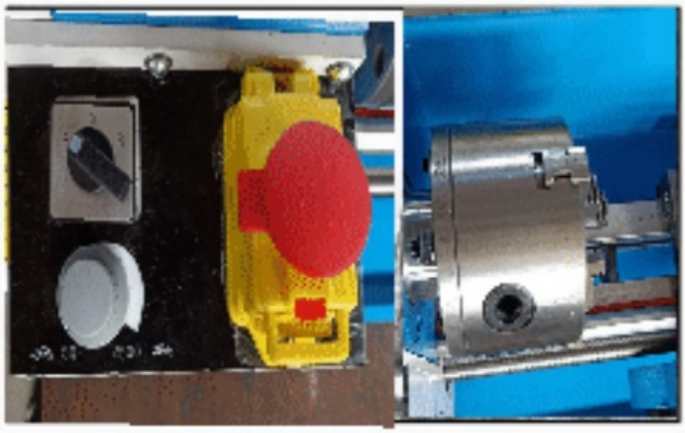


Fig. 5 Ajustment Of Saddle , Cross Slide And Compound Rest

Operation & Replacement

Replacement of chuck

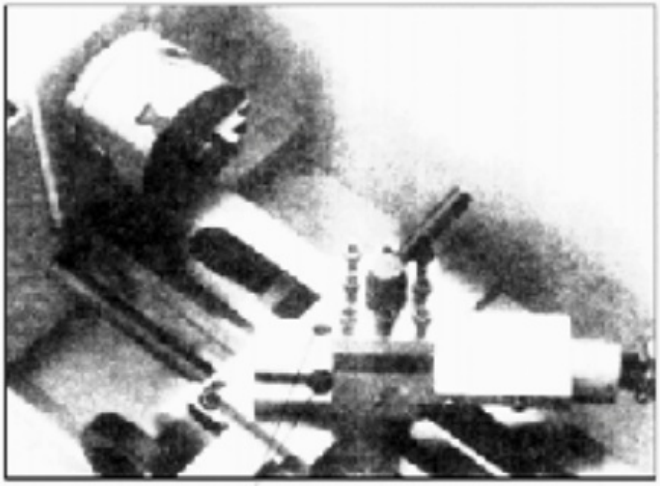
When replacing the chuck, place a clot. of da DCCC CI woad on the bed way at the bottom af trecmuck. This is to avoid damages to ine bed way Caused vu, cure- lecaly arcecing tn2 chuck. Loasen :1é 3 SAT Screws as S100 ING 6 LA) te -e
piece the chuck,



A

Fig. 6 Replacement Of Chuck

Fig. 7 Replacement Of Jaws



A

Fig. 8 Compound Rest Adjustment

Replacement of jaws

Tne”e are two types o? jaws: Internal and extremal. Pease note that the amber of ja ws (it with tne number inside the chuck’s gr- cove Do not mux them together. When you are going fo mount them.please mount them in ascend1g order 1-2-3, when you até go- ing to take them oul, be sure lo (ake them aul In cescending order (3-2-1) one by ane. Atte you finish this procedure, rotate the ja- ws to the smallest diameter and check that tha three jaws are wall tited. if not you need to reassembly thyum again as they a:e not prapenty aasampied ‘Fig 7) When you are going tc mount the work piece you reed o niy ta loosen ona jaw However we recnm- mend you loosen the three jaws at the same time, in this way you can protect them and wil not damage ‘he thread ins de. Compound rest adjustment

Loosen the two screws as shown in (A) of Fig.&. After you have obtained tne angle you desire, please do not forget to tighten them.

Tallstock rest edjusteert

Whe you are gong to change positon or replace the tailstock you need ty loges the furl as shaven in (A) of Fig 9

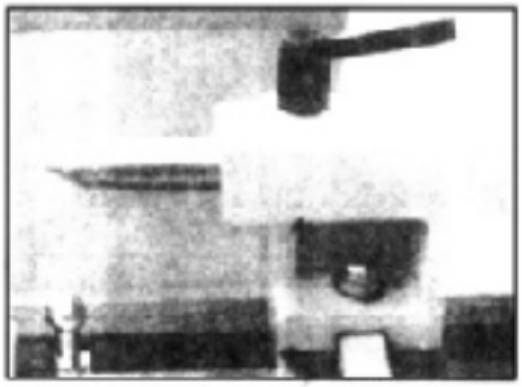


Fig 9 Tailstock Rest Adjustment

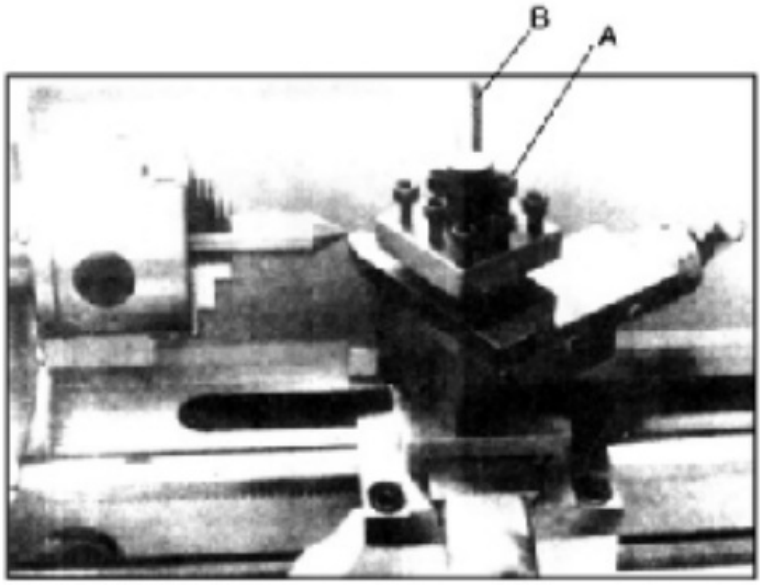


Fig. 11 Tool Post Adjustment

Replacement of carbon brushes

Replace the carbon brushes by renown the brush covers both on Motor cover as shown in Act Fig 10-Aanc the night bottom side of speed controller as shown in 6 of Fig. 10-B

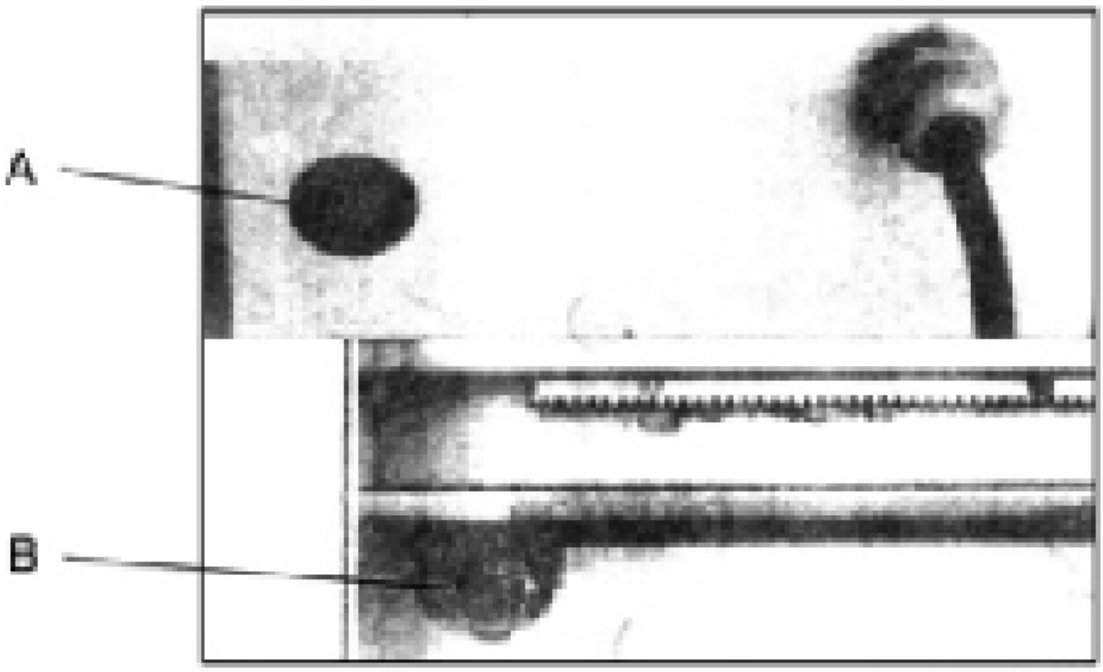


Fig. 10 Replacement Of Carbon Brushes

Tool post adjustment

When you are going to adjust the too! post position you onyx need to loosen the lever shown in (B) of Fig. 11. After you have him shed be sure to lighten. If you are gong to replace the work cutter then you reed to loosen the screws of (A) with the allen wrench provided.

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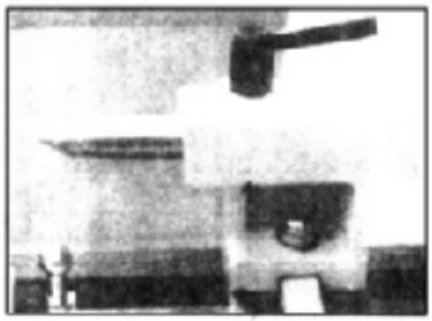

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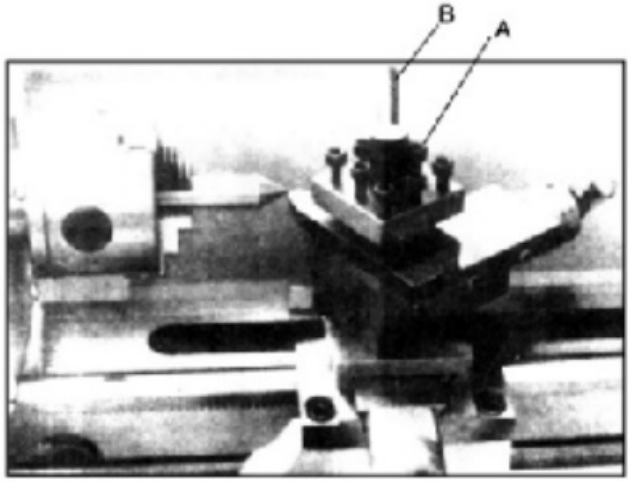
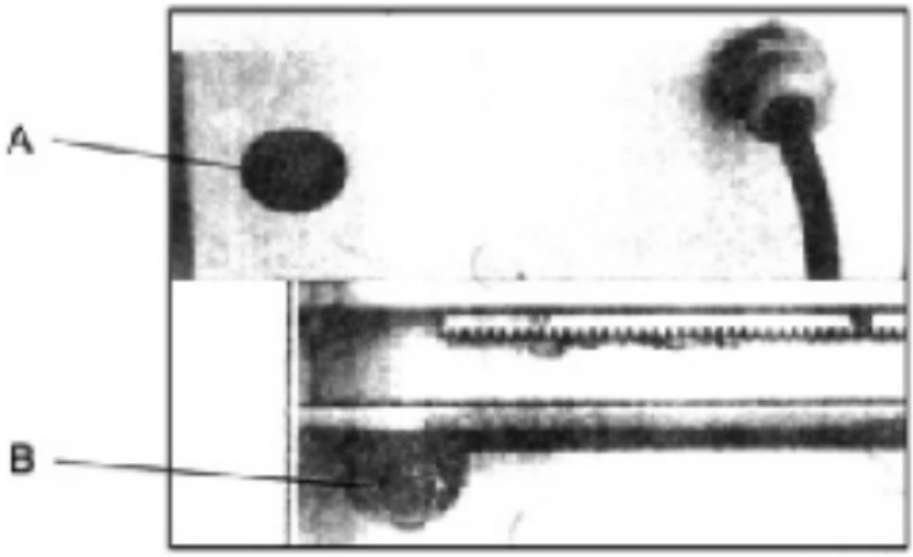


Fig. 11 Tool Post Adjustment

Replacement of carbon brushes
Replace the carbon brushes by remount the brush covers both on Motor cover as shown in Act Fig 10-A and the ninth bottom side of speed controtier as shown in 6 of Fig. ‘0-B



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Documents / Resources

	YITAHOME MAYIHdRKQB Variable Speed Mini Lathe [pdf] Instruction Manual MAYIHdRKQB Variable Speed Mini Lathe, MAYIHdRKQB, Variable Speed Mini Lathe, Speed Mini Lathe, Mini Lathe, Lathe

References

- User Manual