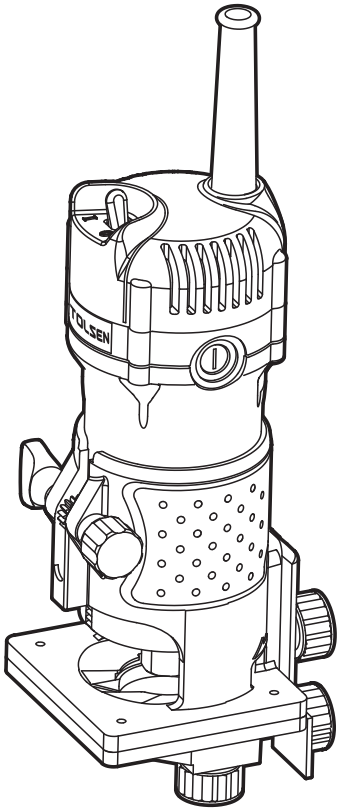
TOLSEN FORCE XPRESS

79737
LAMINATE TRIMMER

INSTRUCTION MANUAL

5.5A 650W



SAVE THIS MANUAL !
You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

SAFETY INSTRUCTIONS

WARNING Read all safety warnings and all instructions. Failure to follow the 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.

1) Work area safety

a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.

b) 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.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a) 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.

b) 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.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) 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.

e) 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.

f) If operating a power tools in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3) Personal safety

a) 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.

b) 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.

c) Prevent unintentional starting. Ensure the switch is in the offposition 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 energizing power tools that have the switch on invites accidents.

d) 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.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) 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.

g) 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.

4) Power tool use and care

a 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.

b) 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.

c) 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.

d) 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.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc, in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the Working conditions and the work to be performed. Use of the power tool tor operations different from those intended could result in a hazardous situation.

5) Service

a) 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.

Trimmer Safety Precautions

The following listed points are the safety regulation for trimmer.Please read and must obey, otherwise the tools could be damaged and cause injury to user.

1. Please hold the tool on insulated handle to avoid electricity shock during working because the tool may touch some living wire beneath or the cable itself when working.
2. Wear the ear protector for long time working.
3. Take care when assembling and disassembling the cutting bits.
4. Before operating the tool, please make sure whether the cutting bits have a breakage or a crack Don't not use the cracked or damage bits.
5. Please take down all the screws or nut on work pieces.
6. Hold the tool tightly
7. When using the tool, please do not touch the cutting bit with your finger, even with glove. Keep the hand far away from the cutting bits.
8. Before turning on the tool please make sure that the cutting it is not touching other objects.
9. Before staring working. please keep the tool running. for a while and check if the Cutting bits are assembled well and if there is any vibration or swing.
10. Keep the correct moving direction.
11. Don 't lay down the tool before turning it off.
12. Only dissemble the cutting bits after the tool is off.
13. Do not tough the drilling bit at once after working. Because the bit could be very hot and cause injury to your hand.
14. Don't clean the base plate with impregnant, oil or gasoline, otherwise It may be damaged.
15. Use the cutting bits with correct size, and the bits could be applied with high speed

SPECIFICATIONS

Electrical Rating	120V~60Hz
Max. current	5.5A
Rated Power	650W
Motor No Load Speed	n_0: 30000/min
Chuck Diameter	1/4" 6mm

EXPLANATION OF THE SYMBOLS

	Double insulated for additional protection.
	Read the instruction manual before using.
	Wear safety glasses, hearing protection and dust mask.
	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.
	Safety alert. Please only use the accessories supported by the manufacture.

OPERATION

WARNING!

before adjusting the function of the tool, please make sure the tool is off and the plug does not connect to the electricity.

1) ADJUST THE CUTTING DEPTH

Screw out the fixing knob till loose. Adjust the base seat assembly to your satisfied depth. Then screw the fixing knob to be tight. 9(see Fig. 1)

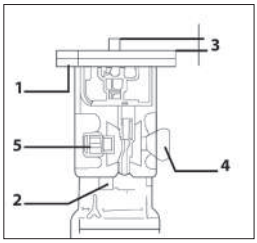


Fig. 1

NOTE:
1. Base seat
2. Depth indicator
3. Cutting depth
4. Fixing knob
5. Adjusting screw

2) SWITCH ON AN OFF

To turn On the tool, just turn the switch button to "1" position.
To turn off the tool, just turn the switch button to "O" position.(see Fig. 2)

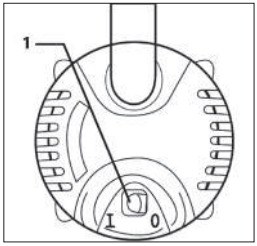


Fig. 2

1. Switch button

3) ASSEMBLE AND DISASSEMBLE THE BITS

When assembling the bits, put the bit into the collet first, and then use the two spanners to fix the clamping nut.
Use the spanners to disassemble the bit contrary procedure.(see Fig. 3)

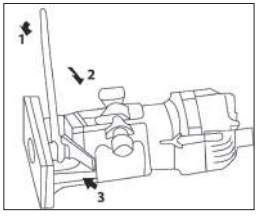


Fig. 3

NOTE:
1. Disassembly direction
2. Assembly direction
3. Keep

4) OPERATION

Put the tool on the work piece but the cutting bits should not touch it. Turn on the tool. When the tool achieves the full speed, keep it moving forward to correct direction. Make sure to keep the base plate trimly with the working objects and keep the tool moving with even speed, (see Fig. 4)

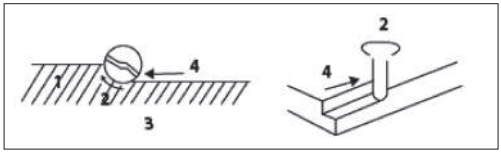


Fig. 4

NOTE:
1. Work piece
2. Rotating direction of cutting bits
3. Overlook from top
4. Feeding direction

WARNING!

If moving forward of the tool is too fast will cause the bad quality of work piece, damages the cutting bits or motor of the tool. If moving forward of the tool is too slow it will cause the cutting bits too hot and bad quality of work piece. Before starting cutting, please try cutting firstly to some wasted work pieces. This will tell you the cutting quality and then you could adjust the tool.(see Fig. 5)

1. Feeding direction
2. Rotating direction of cutting bits
3. Work piece
4. Parallel guide

When using the parallel guide or guide bar, please make sure to install it onto the right hand of feeding direction.
Parallel bar and guide are for fine cutting of the tools.

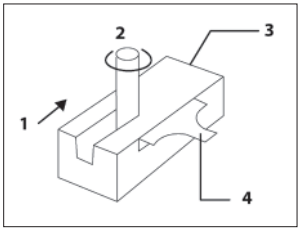


Fig. 5

WARNING!

Feeding the tool too much will cause overload of the motor. The maximum cutting depth of the tool is 3 mm. If you need depth more than 3mm, you could achieve it by cutting couple of times.

5) GUIDE BUSH

There is a guide bush in accessories. The cutting bit could get through the guide bush and cutting the work piece according to logo. (see Fig. 6)
Take down the base plate by loosening the screws.
Put The guide bush onto the base plate then fix back onto the tool.
Screw it tightly.(see Fig. 7)

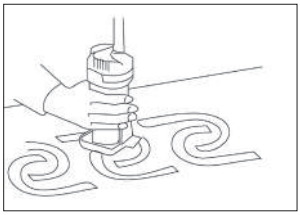


Fig. 6

NOTE:

1. Base plate
2/4. Screws
3. Screwdriver

Fix the logo guider onto the work piece.
Put the tool onto the guider.
Move the tool forward to cut the work piece according to the side line of the guider.(see Fig. 8)

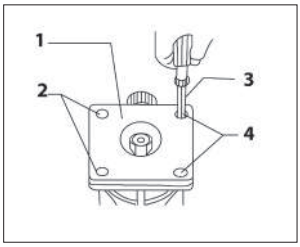


Fig. 7

NOTE:

1. Cutting bit
2. Base plate
3. Logo guider
4. Work piece
5. Guide bush

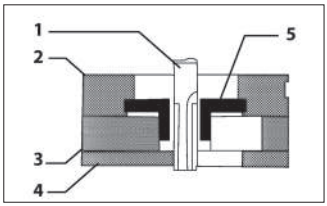


Fig. 8

When cutting the edge or grooving the work piece, the parallel guide is quite useful. Use the bolt and wing nut to assemble guide bar to the parallel guide.(see Fig. 9)

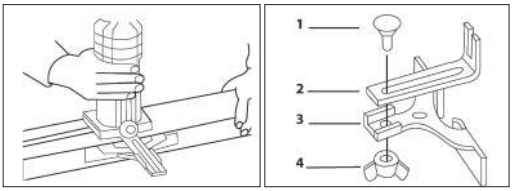


Fig. 9

NOTE:
1. Bolt
2. Guide bar
3. Parallel guide
4. Wing nut

Use the fixing screw (A) to assemble the parallel guide.
Screw out the wing nut on parallel guide. Adjust the distance between the cutting bits and parallel guide.
When achieving the proper distance, please fix the wing nut tightly, (see Fig. 10)

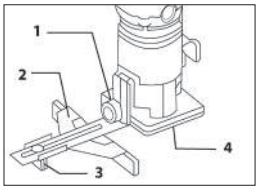


Fig. 10

NOTE:
1. Fixing nut (A)
2. Parallel guide
3. Wing nut
4. Base plate

If the distance from the edge of the work piece to cutting line is too far, then you can not use the parallel guide. Under such condition, please fix a straight plate onto the work piece tightly as a guide plate for cutting.
Then move the tool forward along the edge of this guide plate. (see Fig. 11)

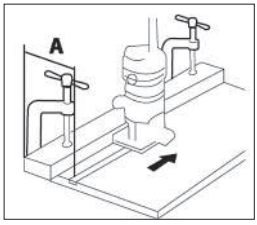


Fig. 11

7) CUTTING CIRCLE

If you assemble the parallel guide according to the Fig.12 and Fig.13, then you could cut circle with the tool. The cutting radius (the distance between cutting bits and the center of circle): Minimum Radius: 70 mm Maximum Radius: 221 mm If you want to cut the circle between 70 mm to 121 mm radius, you could assemble the parallel guide according to Fig.12.
If you want to cut the circle between 121 mm to 221 mm radius, you can assemble the parallel guide according to Fig.13
You could not cut the circle between 172 mm to 186 mm radius.

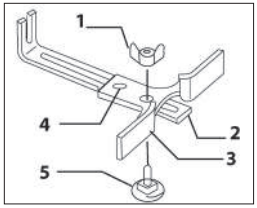


Fig. 12

NOTE:
1. Wing nut
2. Guide bar
3. Parallel guide
4. Center hole
5. Bolt

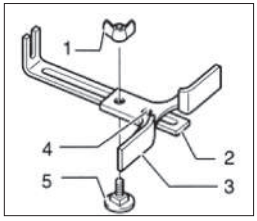


Fig. 13

8)BEARING GUIDE

Put the center hole on the parallel guide onto the center on work piece. Put a nail less than 6 mm to the center hole to fix the parallel guide. Cutting the work piece by direction of clockwise.(see Fig. 14)

You can operate the tool conveniently with for home furniture like desk, bed, seat etc. with the bearing guide. The tool can move with the bearing guide agilely to assure precise cutting.

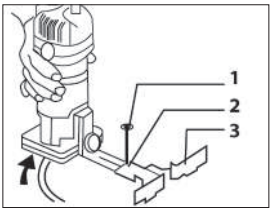


Fig. 14

NOTE:

1. Nail
2. Center hole
3. Parallel guide

Use the fixing nut (A) to assemble the bearing guide to the base plate. Loose the Fixing nut (B) to adjust the distance between cutting bits and the bearing guide seat. When achieve proper distance, screw the Fixing nut (B) tightly. (see Fig. 15)

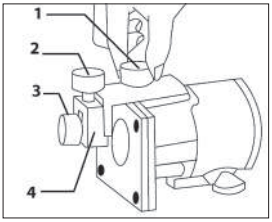


Fig. 15

NOTE:

1. Fixing nut (A)
2. Adjusting nut
3. Fixing nut (B)
4. Bearing guide seat

When operating the tool, please keep the bearing guide tightly to the edge of the work piece.(see Fig. 16)

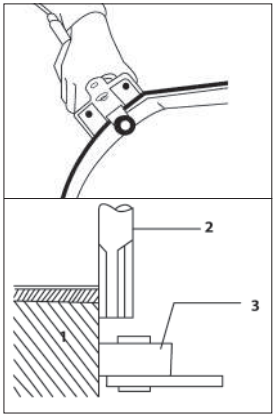


Fig. 16

MAINTENANCE AND SERVICING

MAINTENANCE AND SERVICING

1. Always disconnect the tool before carrying out inspection or cleaning.

Never use water or other liquids to clean the tool. Clean the tool by brushing it with a brush.

2. The air-vent of the tool should be cleaned regularly to avoid the motor too hot due to air-vent blocked.
3. Always check if the components of the tool are fixed well.
4. The housing should be without trace of crack or damage.
5. Always check if the cable is without damage.

REPLACING THE CARBON BRUSHES

a. Replace the carbon brushes, when the tool does not run or makes too much sparkle.

b. Carbon brushes which are worn out (burned, broken or short¬er than limited length see Fig.17) have to be replaced by new ones.

c. Always replace both carbon brushes at the same time and use the brush by original manufacturer.

d. Turn the brush holder caps loose by screw driver (black caps which can be found on the side of the tool)

e. Take the worn brushes out of the holder and remove possible dust deposit with compressed air.

f. Place the new carbon brushes in the reverse order.

g. The brushes have to fall in the holders easily.

h. After placing the new carbon brushes, let the tool run for some minutes so that the brushes fit better.

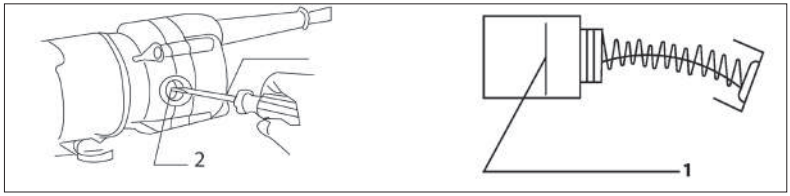
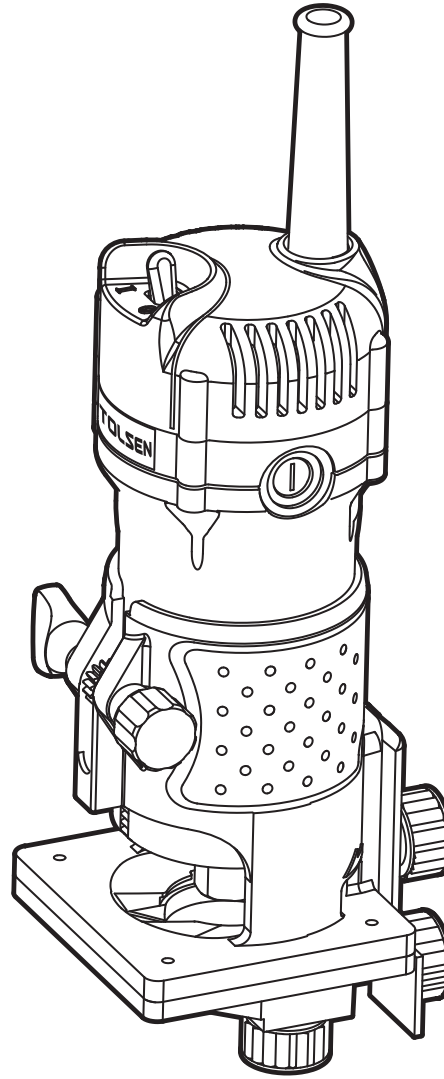


Fig. 17



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