

TITAN®



12 month
Full
Manufacturer's
Warranty

SAFETY AND OPERATING MANUAL

10" TABLE SAW

SFIONI

TITAN®

Congratulations on your purchase of a TITAN power tool from Screwfix Direct Ltd. We want you to continue getting the best performance from it so this handbook includes information on safety, handling and care. Please retain this handbook in case you need to refer to any of the information in the future.

Your TITAN power tool comes with a 12-month guarantee, so should it develop a fault within this period contact Screwfix Direct Ltd on Freephone 0500 41 41 41.

GUARANTEE

This **TITAN** product carries a Screwfix Direct Ltd guarantee of 12 months. If your product develops a fault within this period, you should, in the first instance contact Screwfix Direct Ltd on Freephone 0500 41 41 41. If the fault occurs within the first 12 months, you may return the goods for a full refund or we will repair or replace the goods if you prefer. When repair is not practical or identical goods are not available, alternative goods of similar specification and quality will usually be provided but, failing this, you will be offered a partial or full refund depending on the time period since purchase.

This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods
- Repairs attempted by anyone, unless authorised by Screwfix Direct Ltd.

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact the customer helpline number on 0845 607 6380.

SAFETY INSTRUCTIONS



WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE THESE INSTRUCTIONS

1. Keep the work area clean.

Cluttered areas and benches invite injuries.

2. Consider work area environment.

Do not expose tools to rain. Do not use tools in damp or wet locations. Keep the work area well lit. Do not use tools in the presence of flammable liquids or gases.

3. Guard against electric shock.

Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).

4. Keep children away.

Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.

5. Store idle tools.

When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.

6. Do not force the tool.

It will do the job better and safer at the rate for which it was intended.

7. Use the right tool.

Do not force small tools to do the job of a heavy-duty tool. Do not use tools for purposes not intended, for example, do not use circular saws to cut tree limbs or logs.

8. Dress properly.

Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

9. Use protective equipment.

Use safety glasses. Use face or dust mask if working operations create dust.

10. Connect dust extraction equipment.

If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.

11. Do not abuse the cord.

Never yank the tool to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.

12. Secure work.

Where possible use clamps or a vice to hold the work. It is safer than using your hand.

13. Do not overreach.

Keep proper footing and balance at all times.

14. Maintain tool with care.

Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have them replaced by an authorised service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free of oil or grease.

15. Disconnect tools.

When not in use, before servicing and when changing accessories such as blades, bits

and cutters, disconnect tools from the power supply.

16. Remove adjusting keys and wrenches.

From the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

17. Avoid unintentional starting.

Ensure switch is in the "off" when plugging in.

18. Use outdoor extension leads.

When tool is used outdoors, use only extension cords intended for outdoor use and so marked.

19. Stay alert.

Watch what you are doing. Use common sense. Do not operate tool when you are tired.

20. Check damaged parts.

Before further use of the tool, it should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service facility. Do not use the tool if the switch dose not turn it on and off.

21. Warning.

The using of any accessory or attachment other than those recommended in this instruction manual may present a risk of personal injury.

22. Have your tools repaired by qualified person.

This electrical tool complies 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.

HEALTH ADVICE



WARNING! When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).

You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. You should:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR TABLE SAW

1. Do not use saw blades which are damaged or deformed.
2. Replace table insert when worn.
3. Only use saw blades as recommended in this manual, which conform to EN 847-1
When changing a saw blade ensure that the width of the groove cut by the saw blade is not less than the thickness of the riving knife. Also the thickness of the blade body shall not be more than the thickness of the riving knife."
4. Ensure that you select the correct blade for the material to be cut.
5. Wear suitable personal protective equipment when necessary, this could include

- a) Hearing protection.
- b) Respiratory protection to reduce the risk of inhalation of harmful dust.
- c) Wearing gloves when handling saw blades and rough material. Saw blades shall be carried in a holder whenever practicable.
- 6. Connect the saw to a dust collecting device when sawing wood.
- 7. Do not use High speed steel (HSS) blades.
- 8. The push-stick or push block should always be stored with the machine when not in use.
- 9. Safe operation:
 - a) Use push-sticks or push blocks to feed the workpiece past the saw blade.
 - b) Always use the riving knife and ensure it adjusted correctly.
 - c) Always use the upper saw blade guard and ensure it adjusted correctly.
 - d) Rebating or grooving should not be carried out unless suitable guarding, such as a tunnel guard, is fitted above the saw table;
 - e) Saws shall not be used for slotting (stopped groove);
 - f) When transporting the machine use only transportation devices and never use guards for handling or transportation;
 - g) During transportation the upper part of the saw blade must be covered by the guard.
 - h) All persons using this product must read the instructions and familiarise themselves with the machine workings.

SYMBOLS



Read the manual



Warning



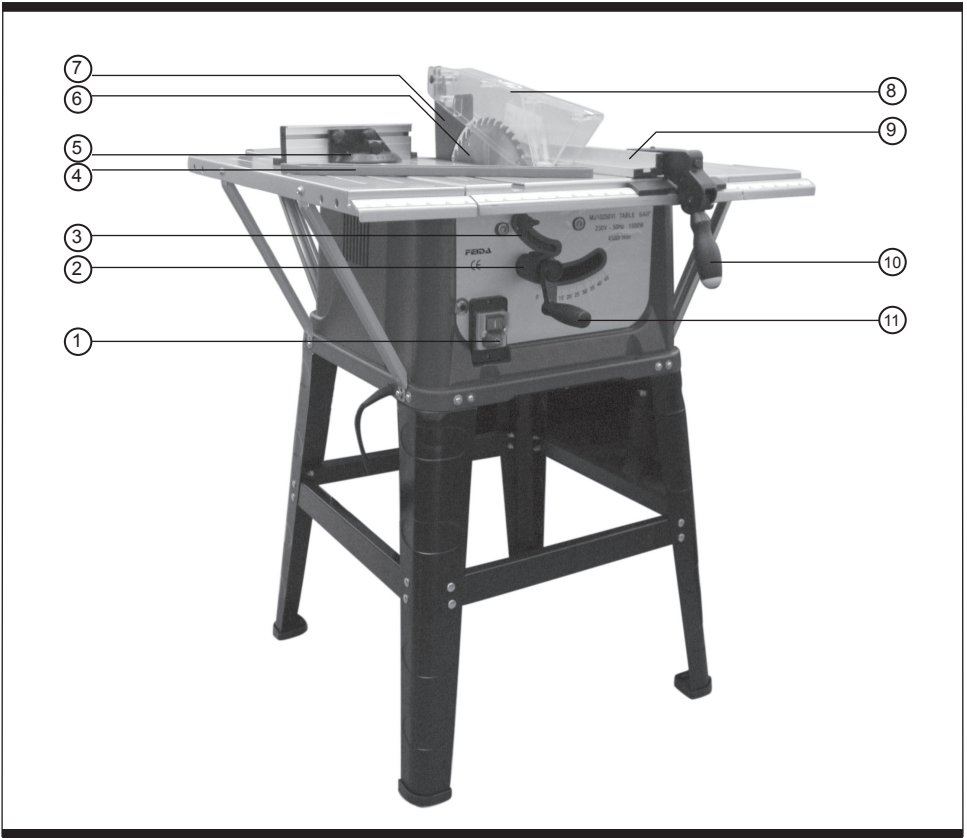
Wear gloves



Wear dust mask, eye & ear protection



Conforms to relevant safety standards



1. ON/OFF SWITCH

2. TILTING HANDLE

3. TILTING HANDLE LOCK KNOB

4. PUSH STICK

5. MITRE GAUGE

6. BLADE

7. RIVING KNIFE

8. BLADE GUARD

9. RIP FENCE

10. RIP FENCE LOCK HANDLE

11. ELEVATING & LOWERING HANDLE

TECHNICAL DATA

Volts:	230V~50Hz
Power Input:	1500W
No load speed:	4500min ⁻¹
Blade size:	Ø254x2.8xØ30mm
Max Cutting capacity:	80mm
Table Size:	1000x580mm
Bevel Deg. Range:	0- 45°
Weight:	23.5kg

NOISE EMISSION

Sound pressure level:	99.3 dB(A)
Sound power level:	112.3 dB(A)

ACCESSORIES

Rip Fence:	1pc
Mitre Gauge:	1pc
Push Stick:	1pc
Spanner for Blade Change:	2pcs
Allen Key:	2pcs
Support bracket :	4pcs
Support leg:	4pcs
Extension table support bar:	6pcs

OPERATION INSTRUCTIONS



Warning: Before using your table saw, read the instruction manual carefully.



Fig 1



Fig 2



Fig 3



Fig 4

ASSEMBLY OF THE TABLE SAW

Assembly of the table saw

1. Support leg

1) Take the assembly out of packaging. Pick out two main legs, one bracket, then fix bracket onto the legs with the bolts provided, but do not tighten (see Fig1). Assemble another section like this.

2) Mount another two brackets onto each section (see fig 2). Then stand these two sections upright and fix them together with the bolts provided. Be sure to tighten all bolts (see fig 3) Your table should now look like fig 4.

3) Before going any further turn the saw unit upside down and remove the bottom safety cover (see fig 13). Now use the tilting handle (see fig 14) to tilt the saw blade until the transportation foam pad around the motor can be removed. Refit the bottom safety cover.

4) Turn the saw upside down. Insert the previously erected table section into the base of the saw unit and fix them together with the bolts provided. Be sure to tighten all bolts.

2. Extension table

Position one extension table on the main table, and fix them by nuts provided (see Fig6). Take out two supporting bars, remove the mounting screws on machine (see Fig7), position the bars, and remount the screws (see Fig8), then securely fix the other bars with bolts (see Fig9). Repeat this operation on the other side of the table

3. Fitting the Saw Safety Guard

Put the guard on the riving knife and be sure the securing bolt can pass through the hole on the guard (see Fig10). Fix the guard with flat washer and anti-loose nut provided, but do not tighten it, let the guard rotate easily (see Fig11).

4. Fitting the Dust hose & Vac Hose Connector Bracket

(Lay the table saw upside down on its table)

1. Mount the side A of the hose on the dust collector nozzle of the blade guard under table and fit the side B of the hose on the outlet of the

main body of saw .(See Fig 12)

Mount the vacuum nozzle over the side B of the hose and fix it with the four screws. (See Fig12A)

5.Elevating & Lowering Handle

Mount the tilting handle on the shaft on the left side of the saw and fix it by tightening the set screw in the handle. (See Fig14&15)

6.Mounting The Rip Fence

Mount the rip fence so that the side with the indicator is on the motor side. (See Fig15A) First fully loosen the locking handle and mount the front side so the fence contacts the front side of the table and then the back side so that the fence is level on the table. Be sure both locking plates are in contact with the both the front and back edges of the table. (See Fig15B)

OPERATION CONTROLS

1) On-Off safety switch

WARNING: Before turning on the switch make sure the blade guard is correctly installed and Operating properly.

To start the machine push the switch to the ON position. (See Fig16) When turning the switch ON stand on either side of the blade and never in front of it.

Allow blade to reach full speed before cutting. To stop the machine push the switch to the OFF position.



2) Elevating and lowering handle

The elevating and lowering handle is used to raise and lower the blade. Turn clockwise to lower the blade and anticlockwise to

raise it. (See Fig18)

3) Tilting handle

The tilting handle is used to tilt the blade for bevel cutting. Loosen the tilting handle lock knob , then Turn the tilting handle clockwise to tilt toward the left and anti-clockwise to tilt toward the right. (See Fig19)

4) Lock knob

The handle locks the blade in the desired tilting angle. To loosen turn it anti-clockwise.

When setting the angle of the cut fully loosen it. Before turning the table saw ON, be sure it is securely tightened so that the blade will not shift during the table saw operation. (See Fig19)

5) Riving knife

This separates the saw kerf in a workpiece. This prevents possible binding and kickback.

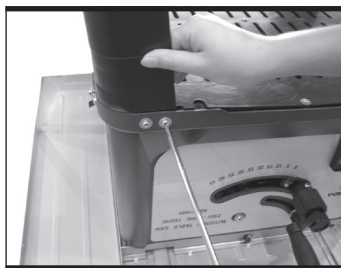


Fig 5

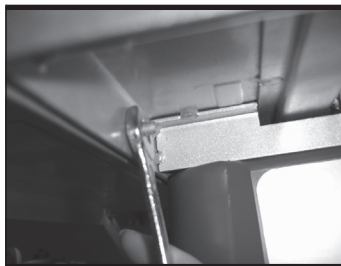


Fig 6



Fig 7

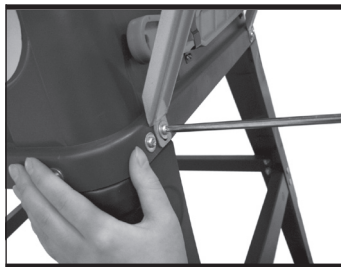


Fig 8

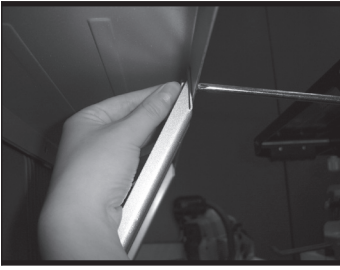


Fig 9

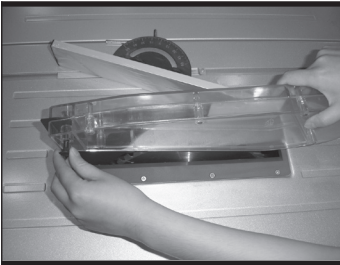


Fig 10

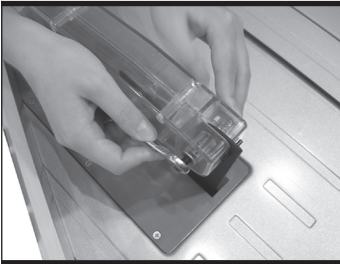


Fig 11

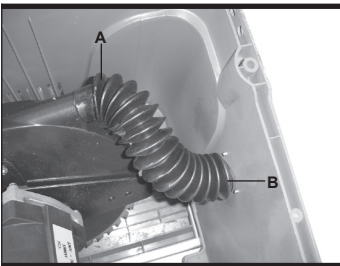


Fig 12

6) Rip fence

This fence is used for all ripping operations. Never rip freehand without the fence in place and securely locked.

7) Mitre gauge

The head is locked in the desired position for crosscutting or mitring by tightening the lock handle.

Always lock it securely when in use.

BASIC TABLE SAW OPERATIONS

a) When crosscutting, mitre cutting, bevel cutting, compound mitre cutting and Rebating across the end of a narrow workpiece use the mitre gauge.

b) Never make these cuts freehand (not using the mitre gauge or other devices) because the blade could bind causing a kickback or causing your hand or fingers to contact the blade.

c) Always lock the mitre gauge when in use.

d) Never remove the rip fence from the table.

e) Make sure the blade safety guard is mounted for all these sawing operations (the blade cuts through the entire thickness of the wood). Remount the guard immediately after finishing dadoing, molding or Rebating cuts.

f) The blade should extend approximately 3mm above the top of the workpiece.

1) Crosscutting

Crosscutting is cutting wood across the grain at 90° or square with both the edge and the flat side of the wood. This is done with the mitre gauge set at "0". (See Fig20)

Before using it make sure it is locked. The mitre gauge can be used on either of the grooves in the table. (See Fig21)

2) Mitre crosscutting

Mitre crosscutting is cutting the wood at an angle other than 90°. Follow the same procedures as you would for crosscutting. Adjust the mitre gauge to the desired angle. (See Fig22)

3) Bevel crosscutting

Bevel crosscutting is the same as crosscutting except that the wood is also cut at an angle other than 90°.

Adjust the blade to the desired angle. Use the mitre gauge in the groove to the right side of the blade so the blade guard will not interfere. (See

Fig23)

4) Compound mitre cutting

Compound mitre cutting is a combination of mitre cutting and bevel crosscutting. The cut is made at an angle other than 90° to both the edge and the flat side of the wood. Adjust the mitre gauge and the blade to the desired angle and be sure that the mitre gauge is locked. (See Fig24)

5) Repetitive cutting

Repetitive cutting is cutting a number of pieces the same length without having to mark each piece. Do not feed the workpiece with your right hand, just guide it making sure that it does not bind or pinch the saw blade. Use the rip fence as a length stop ensuring that the rip fence is positioned identically at the front and rear sides. Also ensure that the workpiece is held firmly on the mitre gauge and push the workpiece through gently with the push stick. (See Fig25)

6) Using the rip fence

Ripping, bevel ripping, resawing and Rebating are done using the rip fence.

7) Ripping

Ripping is cutting a piece of wood with the grain in line. This is done using the rip fence. Position of the fence to the desired width of the rip and lock it in place. Before starting to rip be sure.

- a) The rip fence is parallel to the saw blade.
- b) The riving knife is properly aligned with the saw blade.

When ripping long boards or large panels always use a work support. Hold the piece against the fence and feed it through the blade with a smooth, steady pressure with the push stick. When the ripping width is wider than 150mm (6") use your right hand to feed the workpiece until it is clear of the table. Use your left hand only to guide not feed the workpiece. (See Fig26)

8) Bevel ripping

When bevel ripping material 150mm (6") or narrower use the fence on the right side of the blade only. (See Fig26)

MAINTENANCE CHANGING THE BLADE

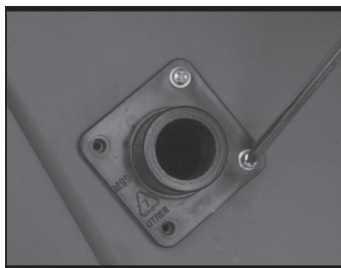


Fig 12A



Fig 13

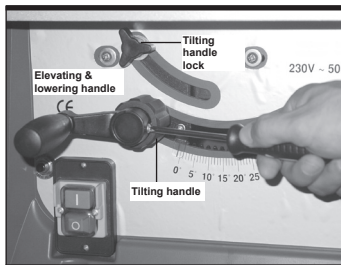


Fig 14

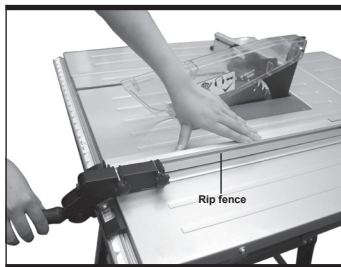


Fig 15



Fig 15A

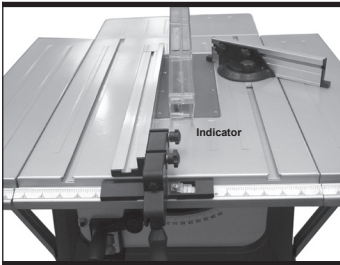


Fig 15B

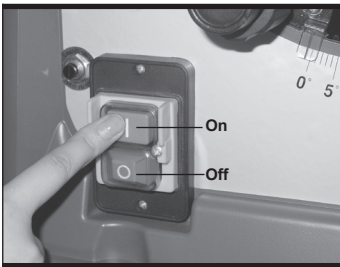


Fig 16

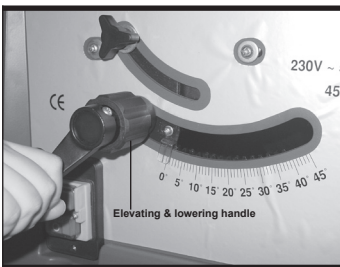


Fig 17

1. Unplug the saw.
2. Remove the blade guard.
3. Remove the table insert. (See Fig27)
4. After loosening the lock knob, turn the elevating handle to raise the blade to its highest position. Use both wrenches to loosen the arbor nut. (See Fig28)
5. Remove the nut, outer flange and blade. (See Fig28) Replace with new blade(Be sure that the teeth are facing the front side of the saw); Ensure the arrow on the blade is in line with the motor direction.
6. Replace the outer flange and nut and tighten securely. - Be sure both blade flanges are in contact with the blade.
7. Replace the table insert and blade guard.

MAINTENANCE

WARNING: Ensure the machine is disconnected from the main supply BEFORE any maintenance tasks or adjustments are carried out. Your Bench Table Saw requires very little maintenance. Carrying out those tasks specified below, will not only ensure the maximum safety of operation, but will also prolong the life of your machine.



AFTER EACH USE:

Sawdust must be removed from the machine.

Remove the side cover by undoing the securing screws, and use a vacuum cleaner to ensure all dust is removed, before replacing the cover. All plastic components can be wiped clean with a soft dry cloth.

RIVING KNIFE:

The riving knife is an important component and must always be in place and directly in line with the saw blade. It prevents the work from chattering as it passes through the blade.

If necessary, remove the table Insert, then slacken the two securing screws and adjust accordingly. Ensuring the clearance between the saw blade and riving knife is between 2 and 5mm maximum. Inspect at regular intervals to ensure the gap is correctly maintained, and adjust as required.

It may also be necessary to remove the Riving

Knife and bend back into shape if it is not exactly in line with the saw blade.

ENVIRONMENTAL PROTECTION

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.

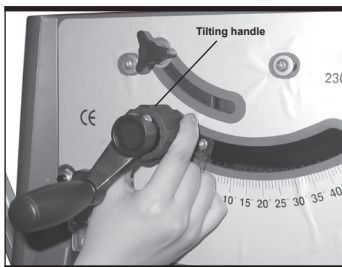


Fig 18

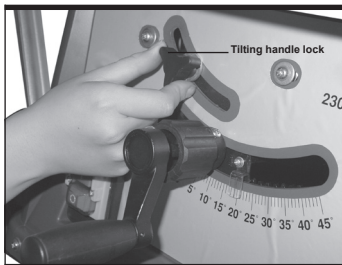


Fig 19

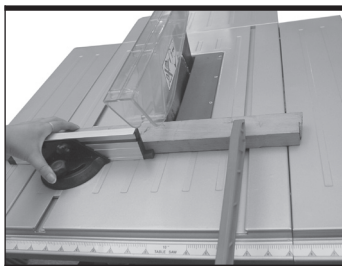


Fig 20

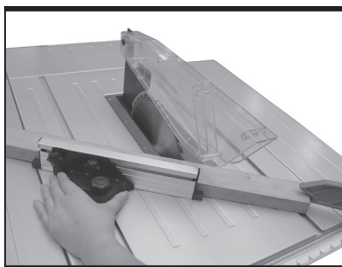


Fig 21

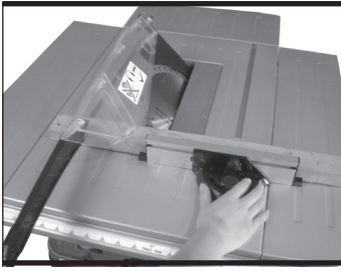


Fig 22

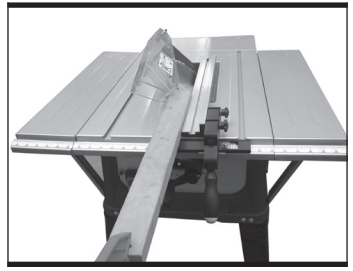


Fig 26

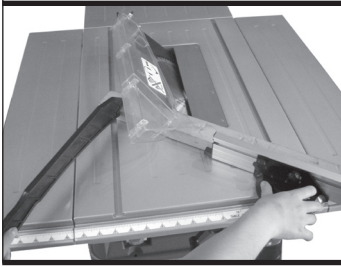


Fig 23

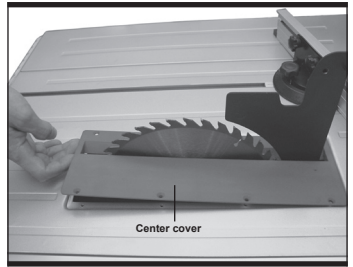


Fig 27



Fig 24

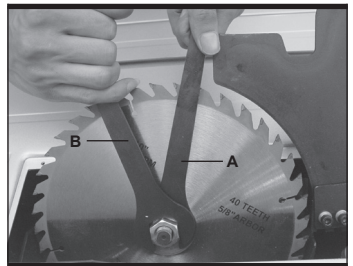


Fig 28

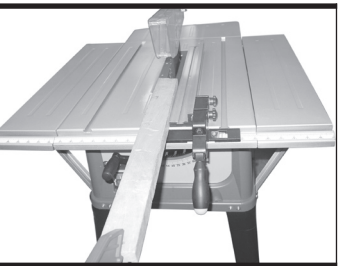


Fig 25



Fig 29

10" TABLE SAW

SFIONI

PLUG REPLACEMENT

The fuse in the main plug of your power tool should always be replaced with one of identical rating.

Check the voltage given on your power tool matches the supply voltage.

The power tool is supplied with a fitted plug, however if you should need to fit a new plug follows the instruction below.

IMPORTANT

The wire in the mains lead are coloured in accordance with the following code:

Green & yellow ---Earth

Blue ---Neutral

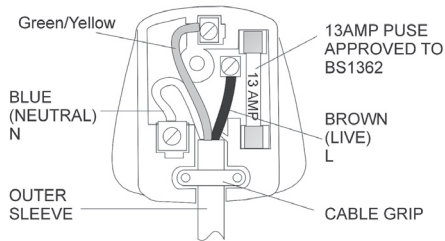
Brown ---Live

The wire which is coloured green & yellow must be connected to the terminal which is marked with E or $\frac{\equiv}{\perp}$.

The wire that is coloured blue must be connected to the terminal that is marked with the letter N.

The wire that is coloured brown must be connected to the terminal that is marked with the letter L.

A 13AMP (BS1363 or BS1363/A) plug must be used and a 13 AMP fuse must be fitted.



SCREWFIX DIRECT®

Declaration of Conformity

We, Importer

Screwfix Direct Ltd

Mead Avenue

Houndstone Business Park

Yeovil

BA 22 8RT

Declare that the product

TABLE SAW

SF10N1

Complies with the essential health and safety requirements of the following directives:

89/336/EEC, 93/68/EEC–EMC Directive.

73/23/EEC, 93/68/EEC–Low Voltage Directive

98/37/EC–Machinery Directive.

Standards and technical specifications referred to:

EN 61029-1: 2000+A11 +A12

EN 61029-2-1:2002

EN 55014-1:2000 +A1+ A2

EN 55014-2:1997+A1

EN 61000-3-2:2000

EN 61000-3-11:2000

Authorised Signatory

Date: 15/09/05

Signature: P. C. Harries

Name: Peter Harries
Screwfix Direct Ltd
Quality Manager



2005

10" TABLE SAW

SF10N1

TITAN®