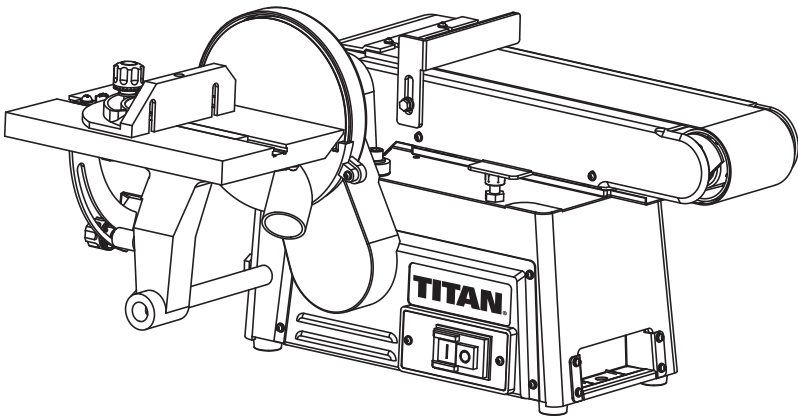


# TITAN®

## 4" x 6" Belt & Disc Sander



# TTB546BTS

Barcode: 5052931253647



**WARNING! Read the instructions before using the product!**

# TITAN®

**Congratulations on your purchase of a TITAN power tool from TITAN Power Tools (UK) 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 2 year guarantee, so should it develop a fault within this period contact your retailer.**

## **GUARANTEE**



This TITAN product carries a 2 year guarantee. If your product develops a fault within this period, you should, in the first instance contact the retailer where the item was purchased.

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

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

**4" X 6" BELT & DISC SANDER**

**TTB546BTS**

# Let's get started...

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.



## Getting **started**... 03

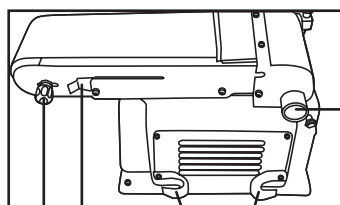
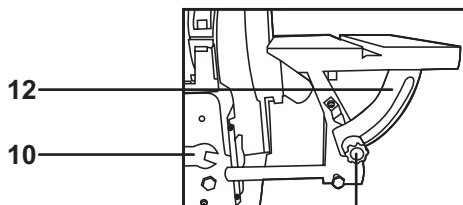
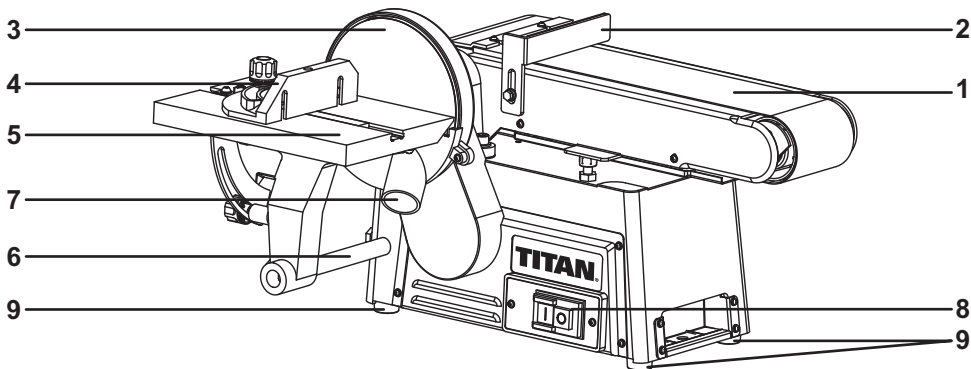
<b>Your product</b>	04
<b>Technical and legal information</b>	05
<b>Before you start</b>	12



## In more **detail**... 21

<b>Product functions</b>	22
<b>Care and maintenance</b>	26
<b>Recycling and disposal</b>	34
<b>EC declaration of conformity</b>	35

# Your product



- 12. Bevel gauge
- 10. Spanner
- 11. Table lock knob
- 13. Dust outlet
- 14. Cord wrap
- 15. Belt tension lever
- 16. Tracking knob

- 1. Sanding belt
- 2. Work support
- 3. Sanding disc
- 4. Mitre gauge
- 5. Worktable
- 6. Worktable rod
- 7. Dust outlet
- 8. ON / OFF switch
- 9. Rubber foot
- 10. Spanner
- 11. Table lock knob
- 12. Bevel gauge
- 13. Dust outlet
- 14. Cord wrap
- 15. Belt tension lever
- 16. Tracking knob

Getting started....

## Technical specifications

### General

- > **Input Voltage** : 230-240V~50Hz
- > **Power Input** : 500W
- > **Disc No Load Speed** : 2400min<sup>-1</sup>
- > **Belt No Load Speed** : 452m/min
- > **Disc Size** : 152mm
- > **Table Size** : 158x225mm
- > **Belt Size** : 100x914mm
- > **Table Tilt Range** : 0-45°
- > **Belt Tilt Range** : 0-90°
- > **Net Weight** : 22kg

### VIBRATION

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

Further Advice can be found at [www.hse.gov.uk](http://www.hse.gov.uk)

<b>Sound level according to EN 61029</b>	Sound pressure level $L_{pA}$ : 72dB(A)
	Sound power level $L_{WA}$ : 85dB(A)
	Uncertainty $K_{pA}$ , $K_{WA}$ : 3dB(A)
<b>Vibration total values (triax vector sum) determined according to EN 61029:</b>	
<b>Work mode description 1 (if required by the relevant Part 2)</b>	Vibration emission value $a_n = 3.0m/s^2$
	Uncertainty $K = 1.5m/s^2$

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of the actual period off use can be difficult and the HSE website has further information.

The declared vibration emission been measured in accordance with a standardised test stated above and may be used to compare one tool with another.

The declared vibration emission value may also be used in a preliminary assessment of exposure.



**Warning!** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles.

And the tool is being used as intended by its design and these instructions.

### **This tool may cause hand-arm vibration syndrome if its use is not adequately managed**



**Warning!** identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time). Note The use of other tools will reduce the users' total working period on this tool.

Helping to minimise your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate)

Avoid using tools in temperatures of 10°C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

Health Surveillance

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

### **Important note**

Remove the mains plug from socket before carrying out any adjustment or servicing.

Ensure your mains supply voltage is the same as your tool rating plate voltage.

## Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations.

Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V~	Volt	Hz	Hertz
W	Input power	kg	Kilogram
m/min	Metres per minute	dB(A)	Decibel (A-rated)
min <sup>-1</sup>	Per minute		
yyWxx	Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx);		



Caution / Warning.



Wear hearing protection.



Read the instruction manual.



Wear eye protection.



Wear gloves.



Wear respiratory protection.



Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

## Safety warnings

### GENERAL SAFETY INSTRUCTIONS



**WARNING!** To ensure safe operation when using your Belt & Disc Sander, make sure you follow basic safety principles to reduce risk of personal injury, electric shock and fire. Please read the following instructions prior to operating this product and keep for future use.

**SAVE THESE INSTRUCTIONS****1. Keep the work area clean.**

- > Cluttered and dark areas invite accidents.

**2. Consider work area environment.**

- > Do not expose power tools to rain. Do not use power 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 authorised 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 does 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 TOOLS

- > Do not operate your machine until it is completely assembled and installed according to the instructions.
- > If you are not thoroughly familiar with the operation of abrasive finishing machines, obtain advice from your supervisor, instructor or other qualified person.



**Caution:** This machine is designed to sand wood or wood-like products only. Sanding or grinding other materials could result in fire, injury or damage to product.

- > Always wear eye protection.
- > This MACHINE is intended for indoor use only.



**Important:** Mount and use this machine on horizontal surfaces only. Operating machine when mounted on non-horizontal surfaces might result in motor damage.

- > If there is any tendency for the machine to tip over or move during certain operations such as when sanding long or heavy boards, the machine must be securely fastened to a supporting surface.
- > Make sure the sanding belt is tracking correctly in order that it does not run off the pulleys.
- > Make sure the sanding belt runs in the proper direction. See directional arrow on back side of belt.
- > Make sure the sanding belt or disc is not torn or loose.
- > Support workpiece firmly with the miter gage, backstop or work table when sanding with the belt.



**Note:** The only exception is curved work performed on the top wheel of belt.

- > Always hold the workpiece firmly on the table when sanding on the disc.
- > Avoid kickback by sanding in accordance with directional arrows. Sand on downward side of disc. Sanding on the upward side could cause the workpiece to fly up causing injury.
- > Always maintain a minimum clearance of 1/16" or less between the table or backstop and the sanding belt or disc.
- > Never wear gloves or hold the work with a rag when sanding.
- > Sand with the grain of the wood.

- > Do not sand pieces of material that are too small to be safely supported.
- > Avoid awkward hand positions where a sudden slip could cause a hand to move into the sanding belt or disc.
- > When sanding a large workpiece, provide additional support at table height.
- > Do not sand with the workpiece unsupported. Support the workpiece with the backstop or table. The only exception is curved work performed on the outer sanding drum.
- > Always remove scrap pieces and other objects from the table, backstop or belt before turning the machine "ON."
- > Never perform layout, assembly or set-up work on the table while the sander is operating.
- > Always turn the machine "OFF" and disconnect the cord from the power source before installing or removing accessories.
- > Never leave the machine work area when the power is "ON" or before the machine has come to a complete stop.
- > Never use solvents to clean plastic parts. Solvents could possibly dissolve or otherwise damage the material. Only a soft damp cloth should be used to clean plastic parts.
- > Should any part of your sander be missing, damaged, or fail in any way, or any electrical components fail to perform properly, shut off switch and remove plug from power supply outlet. Replace missing, damaged or failed parts before resuming operation.
- > The use of attachments and accessories not recommended by may result in the risk of injuries.



**WARNING! Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:**

- Lead from lead-based paints.
  - Crystalline silica from bricks and cement and other masonry products.
  - Arsenic and chromium from chemically treated lumber.
- Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:
- Work in a well-ventilated area.
  - Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

## Unpack

---

- > Unpack all parts and lay them on a flat, stable surface.
- > Remove all packing materials and shipping devices if applicable.
- > Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- > Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

## You will need

---

(items not supplied)

- > Suitable personal protective equipment
- > Phillips screwdriver
- > Combination square
- > 8mm Spanner

(items supplied)

- > 3mm, 4mm, 6mm Hex key (3pcs)
- > 10x13mm Spanner (1 pc)



**WARNING!** Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious injury.

## Mounting the 4 rubber feet to base plate

---

- > Put a big flat washer M5 (15) and one rubber foot (9) before inserting the screw M5 x 16 (16) into each hole on the base plate (17), then put a big flat washer M5 (15) and a nut M5 (18) on the opposite side then tighten the screw and nut with the 4mm hex key supplied and a 8mm spanner (not included).
- > Repeat the procedure on other 3 holes.

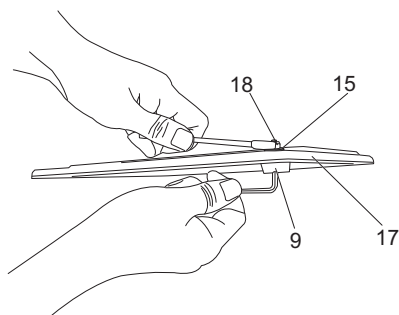


Fig. 1

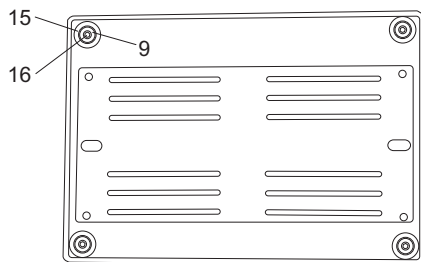


Fig. 2

## Mounting the base plate of the machine

- > Remove the machine from packaging.

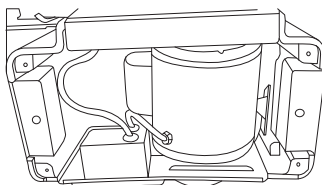


Fig. 3

- > Put a big flat washer M5 (15) onto the screw M5 x 12mm (19), then tighten it with the 4mm hex key. (Fig. 4)
- > Assemble another three screws in the same order. (Fig. 5)

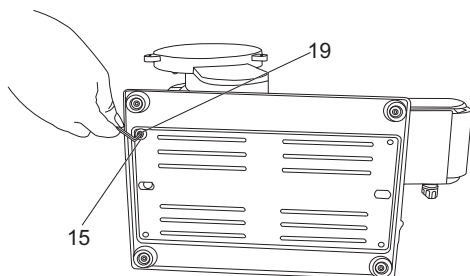


Fig. 4

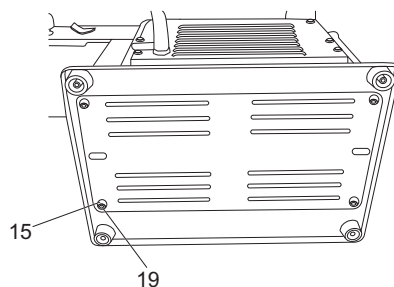


Fig. 5

## Mounting the cord wraps

> Loosen two fixing screws (20) and flat washers, then take them out. (Fig. 6)

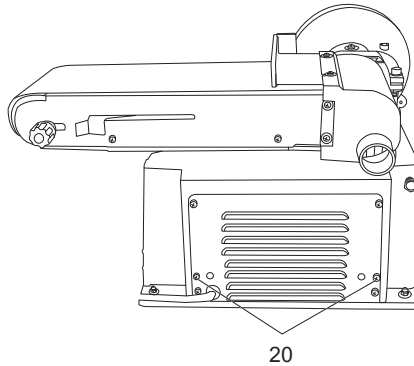


Fig. 6

> Mount the two cord wraps (14) with two fixing screws (20) and flat washers, then tighten the two fixing screws with a phillips screwdriver. (Fig. 7 & 8)

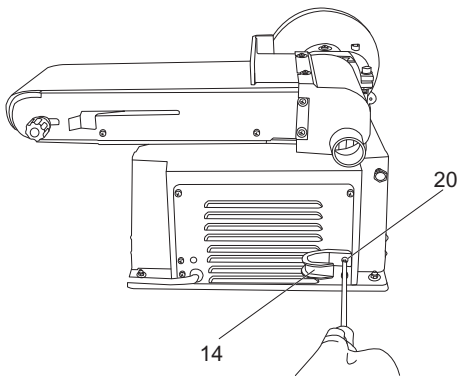


Fig. 7

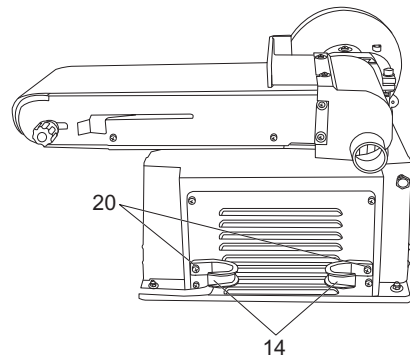


Fig. 8

## Installing disc guard with dust outlet

- > Position disc guard (21) against the lower one-third of the disc, aligning two holes as shown in figure 9.
- > Using the two screws M4 x 14mm (22) and flat washers M4 (23) securely tighten the disc guard (21) into place.

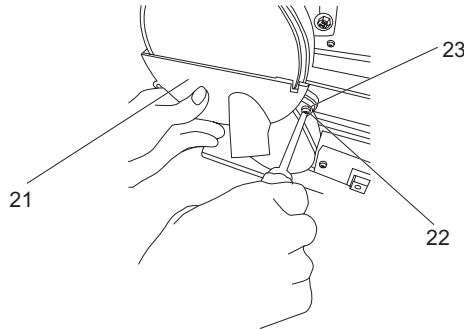


Fig. 9

## Mounting the worktable for use with the disc sander

- > Insert the worktable rod (6) into the hole of the worktable assembly (24) as shown in figure 10.

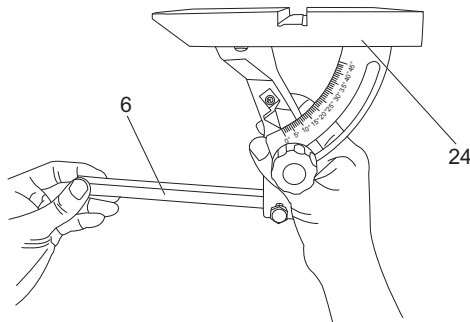


Fig. 10

- > Insert the other end of the worktable rod (6) into the hole on the body as shown in figure 11.
- > Position the worktable not further than 1.6mm from the sanding surface.

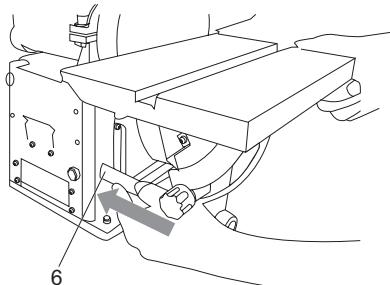


Fig. 11

- > Tighten the hex set screw (25) with the 13mm spanner (10) provided. (Fig. 12)

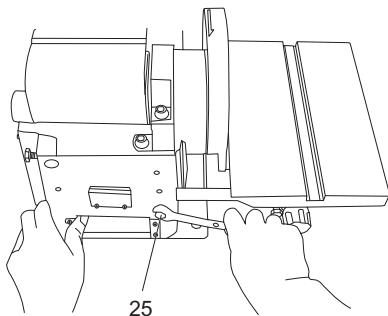


Fig. 12

- > Make sure the worktable hex screw (26) is fully tightened. If not , tighten it with the 13mm spanner. (Fig. 13)

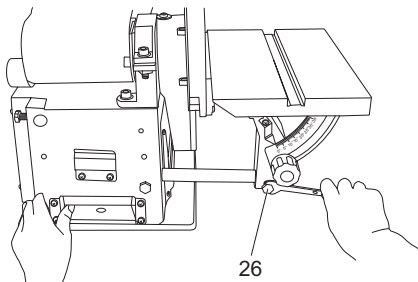


Fig. 13



## Mounting the worktable for use with the belt sander

To use the worktable for vertical sanding.

• **Disassemble the work support**

- > Loosen with 10mm spanner and remove the head screw (27) and the washer. (Fig 14)
- > Loosen and remove the head screws (28) and the washers. (Fig 15)

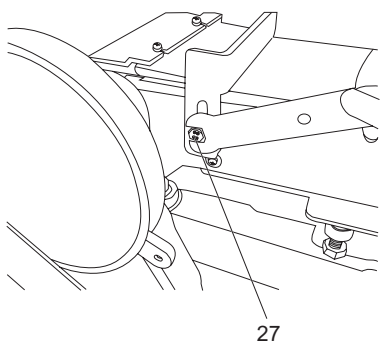


Fig. 14

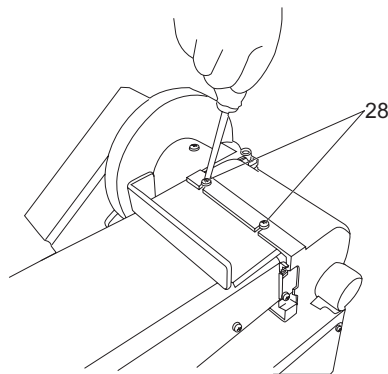


Fig. 15

- > Remove the work support (2). (Fig 16)

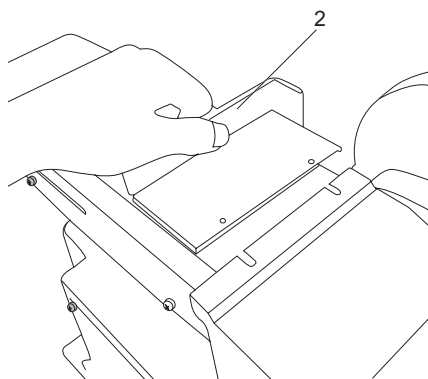


Fig. 16

### • Mounting the worktable

- > Loosen the fixing screw (29) with the 6mm hex key provided. Place the belt sanding body to a vertical position then tighten the fixing screw (29). (Fig 17)

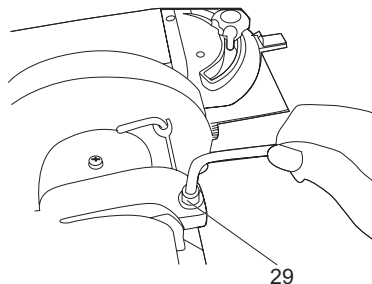


Fig. 17

- > Insert the worktable rod (6) into the hole. (Fig 18 & 19)
- > Position the worktable not further than 1.6mm from the sanding surface.

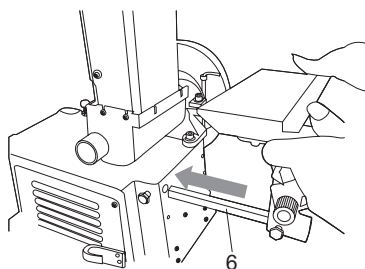


Fig. 18

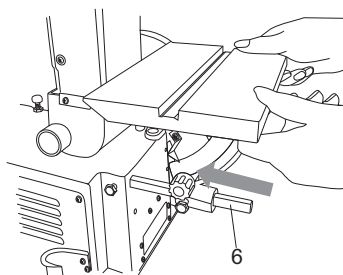


Fig. 19

- > Tighten the hex set screw (30) with the 13mm spanner. (Fig 20)
- > Make sure the worktable hex screw (26) is fully secured. (Fig 21)

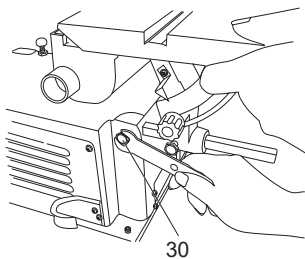


Fig. 20

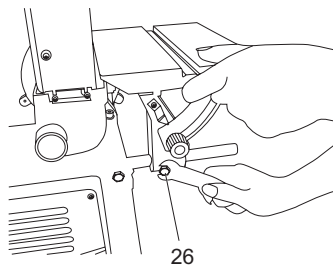


Fig. 21



**WARNING!** Before performing any adjustment, make sure the belt/disc sander is unplugged from the power supply and the switch is in the OFF position. Failure to note this warning could result in serious personal injury.

## Adjusting the belt tracking

Plug in the machine.

Turn the switch ON and then immediately turn it OFF. If the belt tends to slide off the idler drum or drive drum, the belt is not tracking properly.

• **To adjust belt tracking**

- > If the sanding belt (1) moves towards the disc, turn the tracking knob (16) clockwise 1/4 turn.
- > If the sanding belt (1) moves away from the disc, turn the tracking knob (16) counterclockwise 1/4 turn.
- > Turn the switch ON and then immediately OFF again, noting belt movement. Readjust tracking knob if necessary.

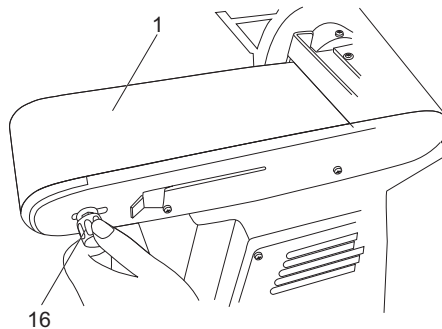


Fig. 22

## Squaring the worktable to the sanding disc

- > Unplug the machine.
- > Use a combination square to check the angle of the worktable with the sanding disc.

- > If the worktable is not 90° with the disc, loosen the table lock knob (11) and tilt the table.
- > Adjust worktable square to the sanding disc and tighten the table lock knob (11) again.



**NOTE:** Move the table further or closer to the sanding disc with the worktable hex screw (26).

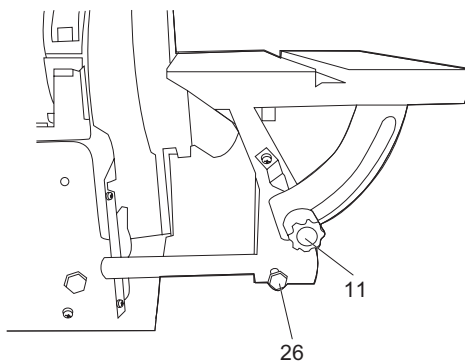


Fig. 23

## Switch ON/OFF

To start the machine, press the on/off switch (8) to ON position ("I"). To stop, press the switch to OFF position ("O").

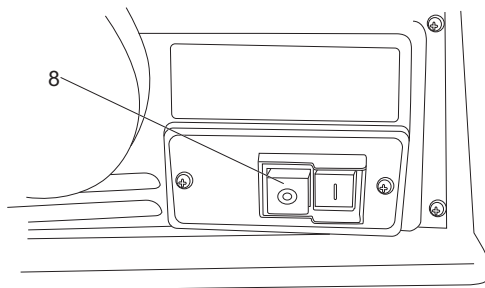


Fig. 24

# In more detail...



<b>Product functions</b>	22
<b>Care and maintenance</b>	26
<b>Recycling and disposal</b>	34
<b>EC declaration of conformity</b>	35

In more detail...



**NOTE:** Before using the tool, read the instruction book carefully.

## Bevel sanding

The worktable can be tilted from 0 to 45 degree for bevel sanding. To tilt the worktable:

- > Loosen the table lock knob (11) by turning it counterclockwise.
- > Set the worktable to the desired angle with the bevel gauge (12).



**NOTE:** Position the worktable not further than 1.6mm from the sanding surface.

- > Tighten the table lock knob (11) by turning it clockwise.

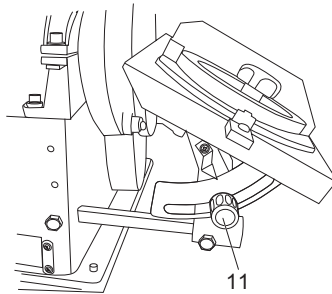


Fig. 25

## Mitre sanding

- > Use of a mitre gauge (4) is recommended for sanding small end surfaces on the sanding disc.
- > Set the desired mitre angle and keep it locked in position.



**NOTE:** Always move the workpiece across the sanding disc from the left side towards the right side.

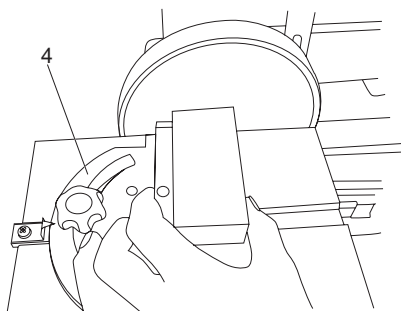


Fig. 26

## Vertical sanding

Your machine can sand vertically. Depending on the workpiece, the work support can be removed for the vertical sanding operation.



**Important:** Make sure the fixing screw (29) is tightened fully.  
(see Fig 17)



**NOTE:** Sanding long workpiece with the sanding belt in the vertical by moving the work evenly across the sanding belt.  
always sand small pieces on the left hand side of the small table.

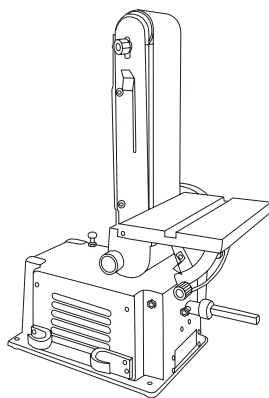


Fig. 27

## Surface sanding on the sanding belt

- > Hold the workpiece firmly, keeping fingers away from the sanding belt.
- > Keep the end pressed firmly against the work support moving work evenly across the sanding belt.



**NOTE:** Use extra caution when sanding very thin pieces and when sanding extra long pieces, remove the work support. Apply only enough pressure to allow the sanding belt to remove the material.

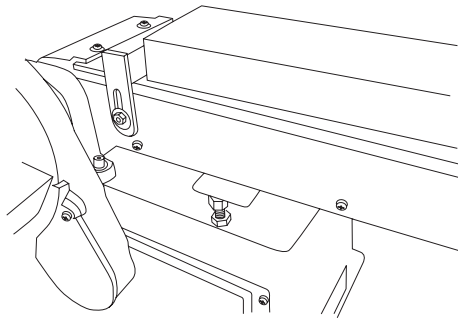


Fig. 28

## Sanding curved pieces



**Warning:** Never attempt to sand the end pieces of a workpiece on the idler drum (31). Applying the end of the workpiece on the idler drum could cause the workpiece to fly up. Failure to note this warning could result in serious personal injury.

- > Always sand inside curves on the idler drum (31).
- > Hold the workpiece firmly, keeping fingers away from the sanding belt.
- > Keep the curve pressed firmly against the idler drum moving work evenly across the sanding belt.



**NOTE:** Use extra caution when sanding very thin pieces and apply only enough pressure to allow the sanding belt to remove the material.



In more detail...

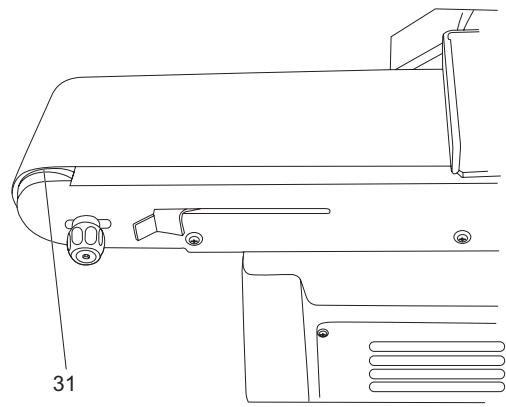


Fig. 29

## The golden rules for care

---



**WARNING!** Always switch the product off, disconnect it from the power supply and let the product cool down before performing inspection, maintenance and cleaning work!

- > Keep the product clean. Remove debris from it after each use and before storage.
- > Regular and proper cleaning will help ensure safe use and prolong the life of the product.
- > Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



**WARNING!** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

## General operation

---

- > Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
- > Switch the product off immediately if you are disturbed while working by other people entering the working area.
- > Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

## After use

---

- > Switch the product off, disconnect it from the power supply and let it fully cool down before storing.
- > Store the product and its accessories in a dry, frost-free place.
- > Always store the product in a place that is inaccessible to children.

## Replacing sanding belt

- > Pull the tension lever (15) from left to right to release the belt tension. (Fig. 30)

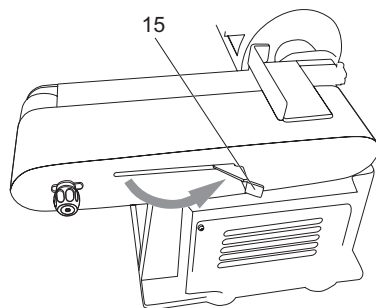


Fig. 30

- > Loosen and remove the four screws (32) on the fixed guard (33). Remove the fixed guard (33). (Fig. 31, 32)

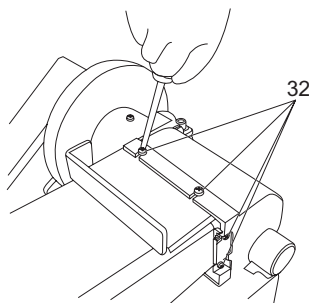


Fig. 31

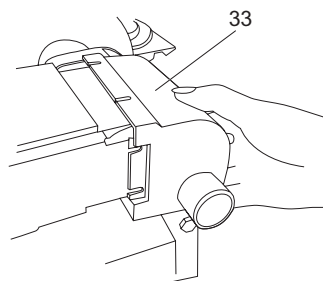


Fig. 32

- > Loosen and remove the two screws (34) on both belt side covers. (Fig. 33)

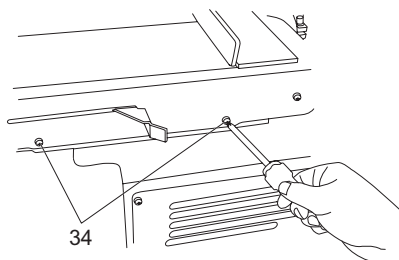


Fig. 33

- > Loosen the fixing screw (29) with the 6mm hex key. (Fig. 17)
- > Then place the belt sanding body to a vertical position.
- > Remove the lower belt cover (35). (Fig. 34)
- > Pull out the old sanding belt (1) and replace a new one. (Fig. 35)

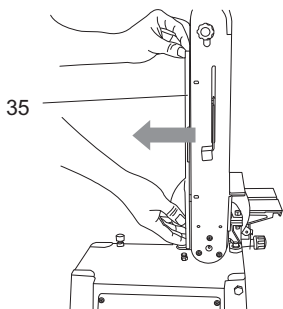


Fig. 34

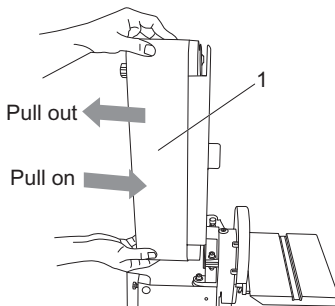


Fig. 35



**NOTE:** The sanding belt must run in the direction of the arrow on the smooth side of the belt. Ensure the sanding belt is centered on the drum.

- > Install the lower belt cover (35) and fixed guard (33) in reverse procedure.
- > Push the tension lever (15) back into place.



**NOTE:** The tension lever (15) is spring loaded so use extreme caution when pushing it into place.

In more detail...

## Replacing sanding disc

- > Remove the disc guard (21) by unscrewing the screws and washers. (Fig. 36)
- > Please replace the sanding disc (3) damaged or worn by a similar disc. (Fig. 37)
- > Using the two screws and washers securely tighten the disc guard (21) into place.

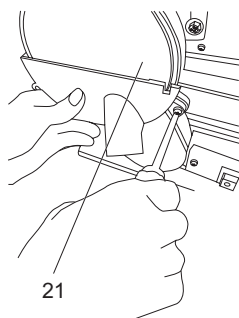


Fig. 36

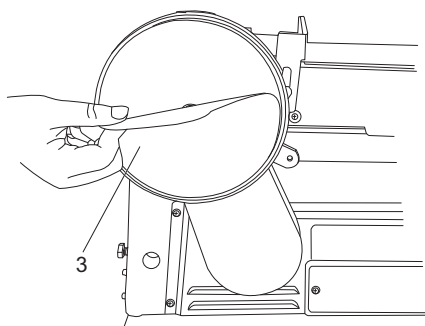


Fig. 37

## Replacing drive belt

- > Remove the circular sanding disc to gain access to the allen bolt that secures the aluminium sanding plate.
- > Remove the allen bolt (36) and washer with 4mm hex key (Fig. 38), followed by the bolt cup (37) (Fig. 39), you can then see the wooddruff key (38) (Fig. 40). When refitting the disc plate you must align the groove in the disc with the wooddruff key (38).

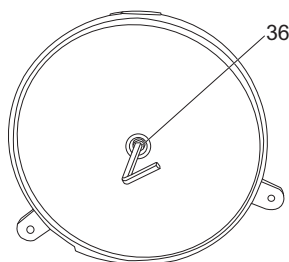


Fig. 38

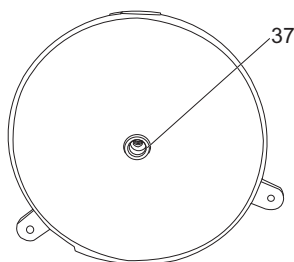


Fig. 39

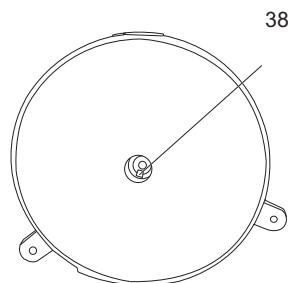


Fig. 40

- > When the disc has been removed, undo the lower cover screw (39) (Fig. 41) and the upper cover screw (40) (Fig. 42), remove the disc belt cover.

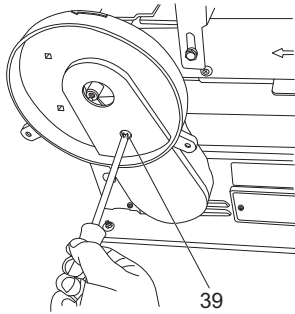


Fig. 41

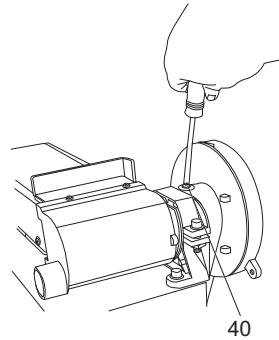


Fig. 42

- > Remove the old belt.
- > Fit the new belt over the lower motor spindle pulley and over the top pulley as in Fig. 43. To help engage the belt pulley with the top pulley teeth, rotate the motor spindle counter-clockwise while applying horizontal pressure to the belt at the top pulley (Fig. 43). Ensure the belt is correctly located on both pulleys. Fig. 44 shows the belt in the correct location on the upper pulley.

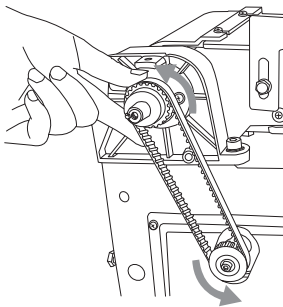


Fig. 43

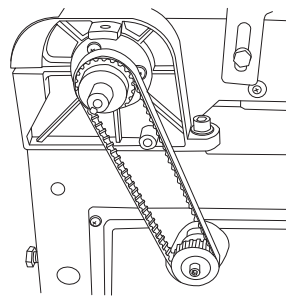


Fig. 44

- > The correct belt tension is shown in Fig. 45, with a firm pressure you should be able to squeeze the belt 5mm on each side. Do not over tighten as this will damage the motor bearings and belt. The belt should not be slack as it may run off the pulleys during use.
- > The belt tensioners are shown in Fig. 46 “horizontal adjuster” (41) & “vertical adjuster” (42).
- > When squeezing the belt; If the motor pulley rises, adjust the “vertical adjuster” (42) with 3mm hex key until there is no more vertical play in the motor.

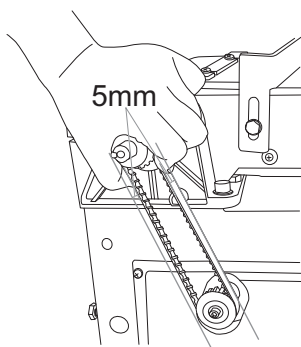


Fig. 45

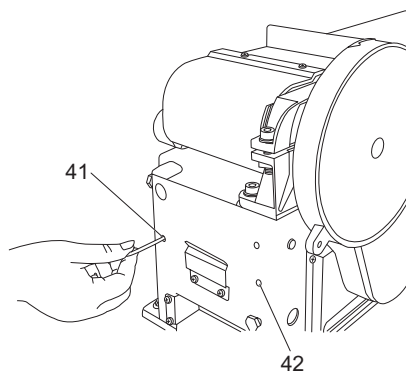


Fig. 46



**NOTE:** When you are satisfied the belt tension is correct, turn the belt through a couple of revolutions to ensure belt, pulleys etc. all turn freely.

> Re-assembly is a reversal of procedures 1-3.

## Power cord

> If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a safety hazard.

## Plug replacement

If you need to replace the fitted plug then follow the instructions below.

### **Important**

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

**Green & yellow - Earth**

**Blue - Neutral**

**Brown - Live**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured **green & yellow** must be connected to the terminal which is marked with **E** or  $\perp$ .

The wire which is coloured **blue** must be connected to the terminal which is marked with **N**. The wire, which is coloured brown, must be connected to the terminal, which is marked with the letter **L**.

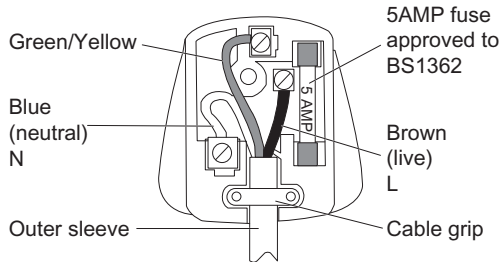


Fig. 47



**Warning:** Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved 5 Amp BS1363/A plug and the correct rated fuse.



**NOTE:** If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket. If the supply cord is damaged it must be replaced by a service agent or a similarly qualified person in order to avoid hazard.

In more detail...

## Repair

> This product does not contain any parts that can be repaired by the consumer. Contact a qualified specialist to have it checked and repaired.



## Storage

---

- > Clean the product as described above.
- > Store the product and its accessories in a dry, frost-free place.
- > Always store the product in place that is inaccessible to children. The ideal storage temperature is between 10 and 30°C.
- > We recommend using the original package for storage or covering the product with a suitable cloth to protect it against dust.

## Transportation

---

- > Switch the product off and disconnect it from power supply before transporting it anywhere.
- > Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
- > Secure the product to prevent it from slipping or falling over.

## Recycling and disposal

---



- > Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

In more detail...

# TITAN®

## Declaration of Conformity

We, Importer  
**Titan Power Tools (UK) Ltd**  
Trade House, Mead Avenue, BA22 8RT

Declare that the product:  
**Designation: 4" x 6" belt & disc sander**  
**Model: TTB546BTS**

Complies with the following Directives:

**2004/108/EC** Electromagnetic Compatibility Directive

**2006/42/EC** Machinery Directive

**2006/95/EC** Low Voltage Directive

**2011/65/EU** Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

**2002/96/EC and 2003/108/EC** Waste Electrical and Electronic Equipment (WEEE)

Standards and technical specifications referred to:

**EN 61029-1:2009+A11**

**EN55014-1**

**EN55014-2**

**EN61000-3-2**

**EN61000-3-3**

Authorised Signatory and technical file holder

Date : 20/07/2013

Signature: P.C. Harries



Name / title: Peter Harries / Quality Manager

Titan Power Tools (UK) Ltd. Trade House, Mead Avenue, BA22 8RT

**4" X 6" BELT & DISC SANDER**

**TTB546BTS**



Titan Power Tools (UK) Ltd  
Trade House, Mead Avenue,  
BA22 8RT

---