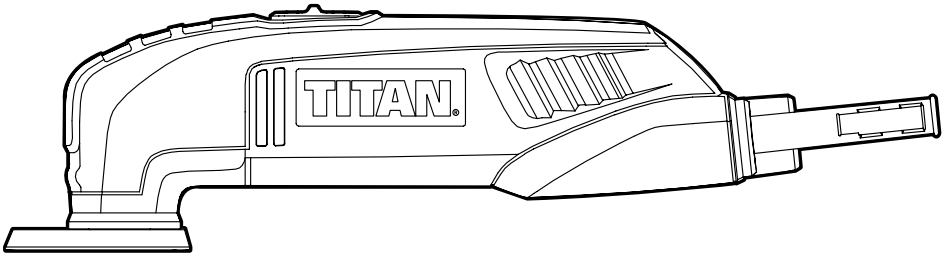
TITAN®



24 month Manufacturer's Warranty

SAFETY AND OPERATING MANUAL

Original Instructions

200W MULTI-CUTTER TTB507HTL

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 24-month guarantee, so should it develop a fault within this period contact your retailer.

GUARANTEE

This TITAN® product carries a guarantee of 24 months. 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 dammage
- 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.

For any enquiries relating to the guarantee please refer to your retailer.

GENERAL SAFETY INSTRUCTIONS

 **WARNING! Read all safety warnings designated by the symbol**  **and all 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 or 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 tool 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 off-position 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 energising 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 tool's 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, taking into account the working conditions and the work to be performed. Use of the power tool for 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.

SAFETY INSTRUCTION FOR CUTTING

1. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. **Always wear a dust mask.**

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

Vibration total values (triax vector sum)determined according to EN60745:	
Typical weighted vibration	Vibration emission value ah =3.94m/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 has 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.
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).
NoteThe use of other tools will reduce the users' total working period on this tool.

Helping to minimise your vibration exposure risk.
ALWAYS use sharp 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 identity any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

Double insulation:
The tool is double insulated. This means that all the external metal parts are electrically insulated from the mains power supply. This is done by placing insulation barriers between the electrical and mechanical components making it unnecessary for the tool to be earthed.

Important note:
Be sure the supply is the same as the voltage given on the rating plate. The tool is fitted with a two-core cable and plug.
Always remove the mains plug from socket before carrying out any adjustment or servicing.

SYMBOLS

To reduce the risk of injury, user must read instruction manual

Double insulation

Warning

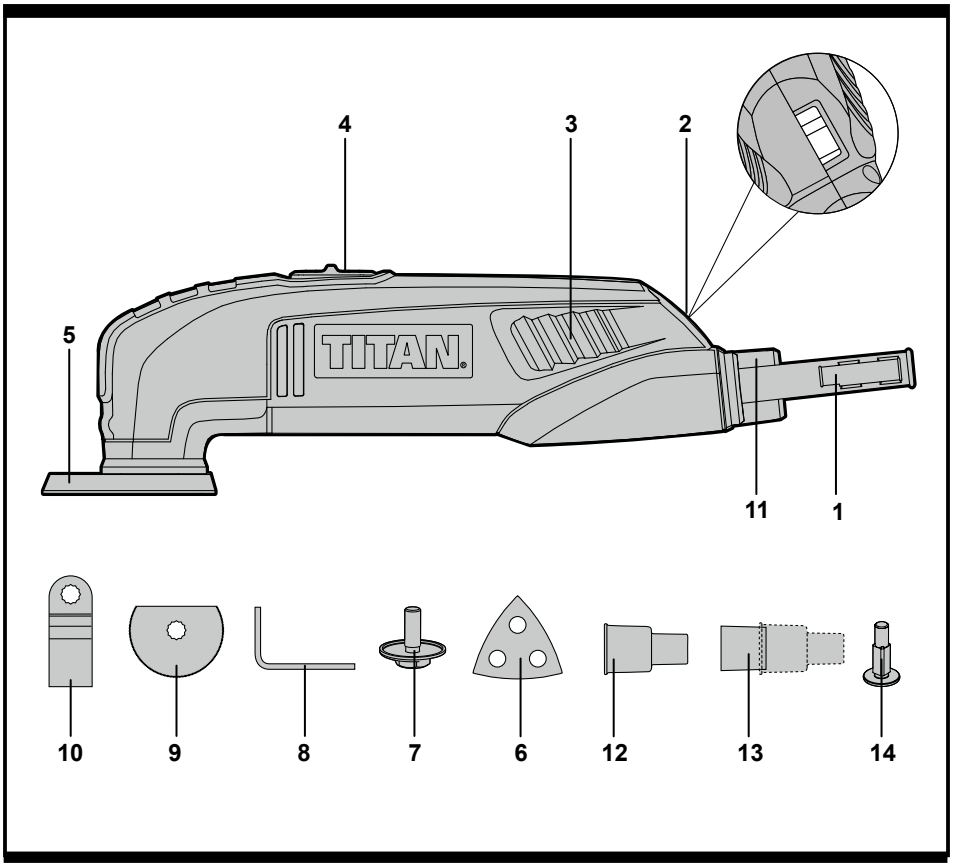
Wear ear protection

Wear eye protection

Wear dust mask

This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system which conforms to the European Directive 2002/96/CE. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

yyWxx Manufacturing date code; Year of manufacturing (20yy) and week of manufacturing (Wxx);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1. Key storage
2. Variable speed control
3. Venting slots
4. On/Off switch
5. Sanding pad (PERFORATED)*
6. Sanding sheet*
7. Flange
8. Hex key*
9. HSS semicircle saw blade*
10. End cut blade*
11. Dust extraction access
12. Dust collection adapter (35mm)*
13. Dust collection adapter (32mm)*
14. Small flange

Works with other oscillating tool brands' accessories. The following compatible brands are trademarks owned by third parties which may be registered by their respective owners: black & Decker®, bosch®, Chicago Electric®, Craftsman®, Dremel®, fein®, Genesis®, Makita®, Mastercraft®, Milwaukee®, Performax®, Porter Cable®, Ridgid®, Ryobi®, Skil®, and Tool Shop®.

TECHNICAL DATA

Voltage	220-240V~50Hz
Power input	200W
Oscillations speed	11000-20000/min
Oscillations angle	3.2°
Protection class	⧈/II
Machine weight	1.36kg

NOISE AND VIBRATION DATA

A weighted sound pressure	79dB(A)
A weighted sound power	90dB(A)
K_{pA}&K_{wA}:	3.0dB(A)
Wear ear protection when sound pressure is over	85dB(A)
Typical weighted vibration	3.94m/s² K=1.5m/s²

ACCESSOIRES

Allen key	**1**
End cut blade	**1**
Sanding pad (perforated)	**1**
HSS semicircle saw blade	**1**
80grit sanding sheet(perforated)	**5**
180grit sanding sheet(perforated)	**5**
120grit sanding sheet(perforated)	**5**
Dust collection adapter (32mm&35mm)	**1**
Small flange	**1**

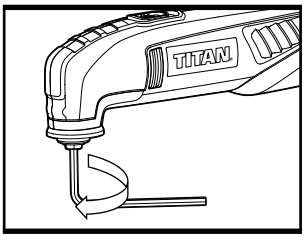


Fig. 1

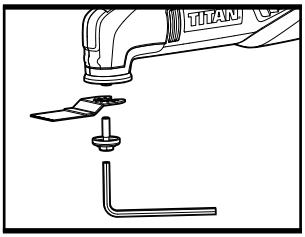


Fig. 2

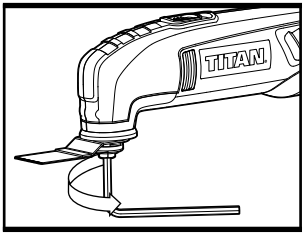


Fig. 3

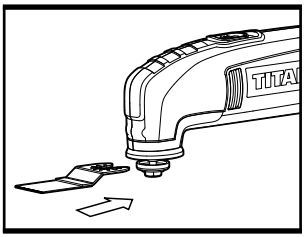


Fig. 4

OPERATION INSTRUCTIONS

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

Warning: Before working your tool make sure that no power cords will be damaged. Before mounting or replacing application tools or accessories, pull the power plug.This preventative safety measure eliminates danger from accidentally starting the power tool.

Do not touch the gear box after long working time, because it could be hot.

1. MOUNTING ACCESSORIES

Caution: For all work or when changing application tools, always wear protective gloves. Avoid danger of injury from the sharp edges of the application tools. Application tools can become very hot while working, presenting danger of burns!

Warning: To reduce the risk of injury, do not let the Universal end cut blades or any segment saw blades face back toward the user's hand.

- Loosen the flange

Use the Hex Key to rotate the flange clockwise.(See Fig. 1)

- Insert Accessories

For the accessories with machine and most other branded accessories, the flange must be completely removed to install accessory (See Fig. 2).

Note: For the Universal-Fit™ Accessory

Insert the Accessory onto the Universal-Fit™ Accessory Interface.(See Fig. 4)

-Tighten the flange

Use the Hex Key to rotate the flange counterclockwise until accessory is tightened securely.(See Fig. 3)

2. MOUNTING / CHANGING THE SANDING SHEET (See Fig. 5)

Align the sanding sheet and press it onto the sanding pad by hand.

Firmly press the power tool with the sanding sheet against a flat surface and briefly switch the power tool on. This provides for good adhesion and prevents premature wear.

If one point has become worn, pull off the sanding sheet, turn it 120° and replace.

3. USEING THE SUCTION DEVICE(See Fig. 6-1 6-2)

When vacuuming, insert the adapter(12) into the access(11) then connecting a vacuum cleaner .
If you use the vacuum cleaner tube (32mm), first connect it to the adapter (13) then insert into the access.

Installing the baffle on the sanding pad

Baffle Of Sanding Pad is intended to be used with vacuum to improve dust collection capabilities.
-Press both sides of the baffle (a) to push it into the back of the sanding pad, then release the baffle to fix it into the sanding pad. (See Fig. 6-2)

4. OPERATING THE ON/OFF SWITCH

——Switching the power tool ON:
Slide switch (4) forward (I).
——Switching the power tool OFF:
Slide switch (4) backward (0).

5. USING THE VARIABLE SPEED CONTROL

Select oscillation frequency (speed) while the motor is running.
The variable speed control (2) can be used to set the optimum oscillating frequency according to the accessories used and the respective application.
High oscillation frequency:
Sanding, sawing, rasping and polishing stone and metal.
Low oscillation frequency:
Polishing varnishes.

6. SANDING

Typical application: wood, metal; small areas, especially corners, edges and places difficult to access.
Select high oscillation frequency.
Select high oscillation frequency.
Sand with a constant movement and light pressure. Heavy pressure does not increase the removal – the sanding sheet merely wears faster.

7. SAWING WITH THE SEMICIRCLE SAW BLADE

The workpiece must be inserted firmly or clamped tightly before it is cut.
Typical application: wood, PVC, soft metal sheet.
Select high oscillation frequency .
The saw blade lasts longer if the wear is distributed evenly.To ensure an even distribution, loosen the

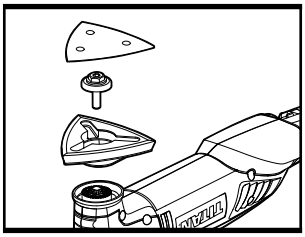


Fig. 5

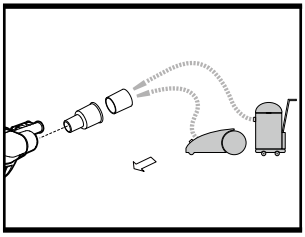


Fig. 6-1

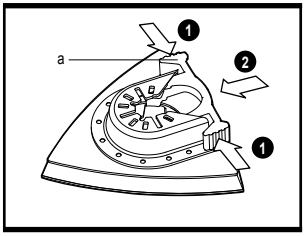


Fig. 6-2

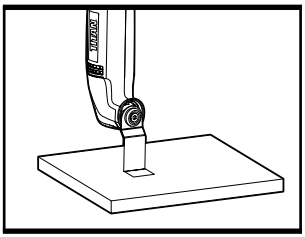


Fig. 7

saw blade, rotate it and retighten firmly.

8. SAWING WITH THE END CUT SAW BLADE (See Fig. 7)

Warning: The sawing teeth are very sharp. Do not touch during mounting and application.

The workpiece must be inserted firmly or clamped tightly before it is cut.

Typical application: wood, plaster board, soft plastics and metal (e. g. nails).

When plunging and sawing use a slight pendulum motion, to allow sufficient chip removal.

9. SCRAPING

Typical application: Scraping off old varnish or adhesives, removing glued carpeting, e. g. on stairs or other small to medium-sized surfaces.

Select medium / high oscillation frequency.

WORKING HINTS FOR YOUR TOOL

If your power tool becomes too hot, especially when used at low speed, set the speed to maximum and run it with no load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speeds. Always keep the blade sharp.
Always ensure the workpiece is firmly held or clamped to prevent movement.
Any movement of the material may affect the quality of the cutting or sanding finish.
Start your tool before working and turn it off only after you stop working.
Do not start sanding without having the sandpaper fitted.
Do not allow the sandpaper to wear away , it will damage the sanding pad.The guarantee does not cover sanding pad wear and tear.
Use coarse grit paper to sand rough surfaces, medium grit for smooth surfaces and fine grit for finishing surfaces. If necessary, first make a test run on scrap material.
Excessive force will reduce the working efficiency and cause motor overload. Replacing the accessory regularly will maintain optimum working efficiency.

MAINTENANCE

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ENVIRONMENTAL PROTECTION

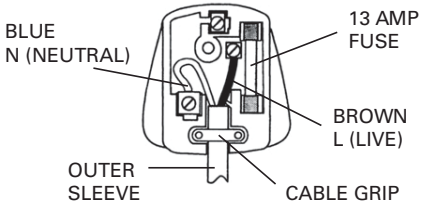
This product has been marked with a symbol relating to removing electric and electronic waste. This means that this product shall not be discarded with household waste but that it shall be returned to a collection system which conforms to the European Directive 2002/96/CE. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances. For further information visit www.recyclemore.co.uk

UK 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 ccordance with the following code:
Blue ---Neutral
Brown ---Live

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.



TITAN®

Declaration of Conformity

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

Declare that the product:
Designation: 200W Multi-cutter
Model: TTB507HTL
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
2012/19/EU Waste Electrical lectronic Equipment (WEEE)

Standards and technical specifications referred to:
EN 60745-1:2009+A11:2011
EN 60745-2-4:2009+A11:2011
EN 55014-1: 2006+A1: 2009
EN 55014-2:1997+A1: 2001+A2: 2008
EN 61000-3-2: 2006+A1: 2009+A2: 2009
EN 61000-3-3: 2008

Authorised Signatory and technical file holder

Date: 27/02/2 012

Signature:

Name / title: Philippe Biannic / Quality Manager

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

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