



PCH.PK.BOOK 300

POWER CHISEL

OWNER'S INSTRUCTION MANUAL

Original instructions provided by Arbortech Industries



Thank you for purchasing an Arbortech Product.

Your Arbortech Power Chisel has been designed & manufactured to provide you with the highest satisfaction in performance, durability and safe operation.



Double
Insulated

**FOR SAFETY READ THE MANUAL
BEFORE USING THIS TOOL**

Please read this manual carefully to ensure your safety and correct operation and care of the machine. If you are using the Power Chisel correctly, it will provide you with years of reliable service and save you time and money.

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⚠ WARNING - READ ALL INSTRUCTIONS

Failure to follow all instructions listed below, may result in electric shock, fire and/or personal injury. The term “power tool” in all the warnings listed below refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.

Rules for safe operation of electrical equipment 2

GENERAL POWER TOOL SAFETY WARNINGS

WARNING - READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS

Failure to follow all instructions listed below, may result in electric shock, fire and/or personal 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.

The Arbortech Power Chisel is designed and built to meet and exceed Australian and International Safety Standards.

Use only Arbortech approved or other qualified service centres for the servicing and/or repair of this tool. For further assistance contact Arbortech.

The Arbortech Power Chisel is double insulated to provide the highest possible operator protection from electric shock. Please observe all necessary safety precautions to avoid electric shock. Do not operate this tool until you have read and understood all safety instructions and rules of operation. Failure to comply with these instructions can result in serious accidents including fire, electric shock or serious personal injury.

IMPORTANT

INCORRECT USE OF THE POWER CHISEL MAY LEAD TO PREMATURE WEAR AND/OR DAMAGE. PLEASE READ THESE USER INSTRUCTIONS CAREFULLY BEFORE USE TO ENSURE CORRECT OPERATION.

1) WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **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. Note: The term "Residual Current Device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)"

3) PERSONAL SAFETY

- **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.
- **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.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- **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.

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

- **Do not force the power tool. Use the correct tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the 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.
- **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 preventative safety measures reduce the risk of starting the power tool accidentally.
- **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.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp edges are less likely to bind and are easier to control.
- **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

- **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.

5 KNOWING YOUR TOOL

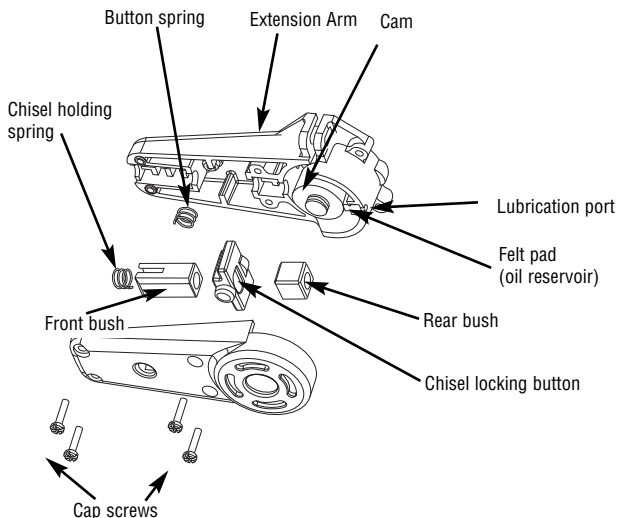
TECHNICAL SPECIFICATIONS:

Max. SPM:	12,000 rpm @ spindle
Power:	5.8A ~ 700 Watt
Rating:	230-240V, AC, 50-60Hz (PCH.FG.300) AUS 120V, AC, 60Hz (PCH.FG.300.20) US 1.83
Weight:	Kg
Vibration emission:	3.338 m/s ²
Noise emission:	100dB(A)

CE-Declaration of Conformity:

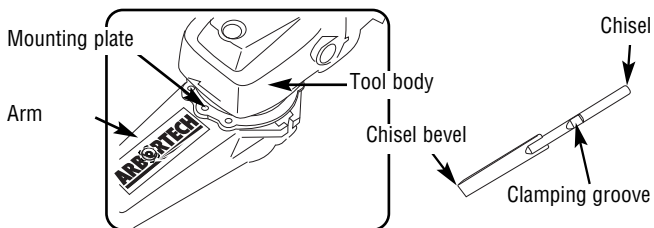
We declare under our sole responsibility that this product is in conformity with the CE standards.

AUST. APPROVAL SGSEA/120903



Note: text, diagrams and data are correct at time of printing. In the interests of continuous improvement of our products, technical specifications are subject to alteration without prior notice.

KNOWING YOUR TOOL (cont'd) 6



Unpacking and Assembly

1. Remove the Power Chisel from its box. Inspect to ensure that no damage has occurred during shipping. If damaged, report to the retailer immediately.

2. The Power Chisel is packaged with two accessory chisels. Remove a chisel from the box, wipe off the sticky coating and insert into the extension arm as shown in fig:1. When the chisel is inserted correctly it should snap firmly into place. The bevel of the chisel should fall away from the tool body.

3. Before plugging in, ensure that the on/off switch is in the OFF position (Fig.2).

*** Place 2 to 3 drops of oil in the lubrication port as shown in fig.3 using the 15ml oil bottle supplied.**

*** Wipe off the sticky coating on the chisels before using.**

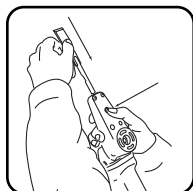


Fig.1

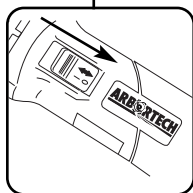


Fig.2

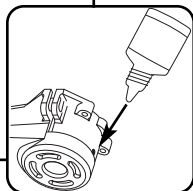


Fig.3

7 OPERATION

• Always ensure that chisels are sharp! Blunt chisels will not cut and will wear the tool prematurely.

To remove chisels, press the chisel locking button and remove chisel from the extension arm. (as shown in fig.4 & 5)

⚠ WARNING: The chisel shaft becomes very hot during prolonged use. Only handle chisels by the chisel blade.

• Use Arbotech Machine Oil to **regularly** lubricate the cam. Squeeze a drop into the lubrication port every 15 minutes of operation. Arbotech Machine Oil is specifically designed for high pressure and temperature applications. (as shown in fig.6)

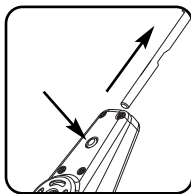


Fig.4

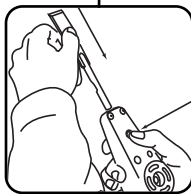


Fig.5

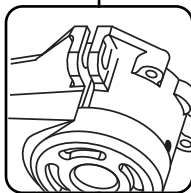


Fig.6

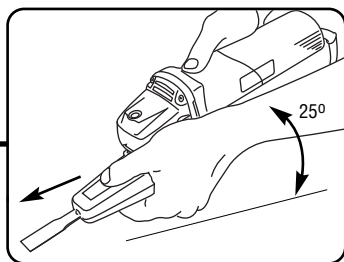
OPERATION 8

⚠ WARNING: Always wear correct safety clothing, including ear, eye and lung protection.

- When removing bulk wood the Power Chisel should be used with two hands, Arbortech recommend placing the left hand holding the chisel arm and the right hand holding the tool body in control of the switch.

(as shown in fig.7 & 8)

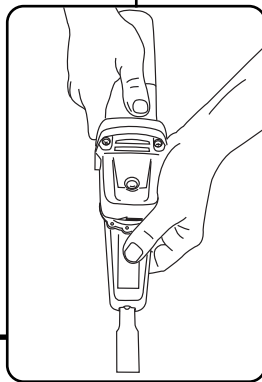
Fig.7



- Use a maximum 25° angle when removing wood. (as shown in fig.7).

- Ensure the machine is running BEFORE contacting the material, to be worked on.

Fig.8

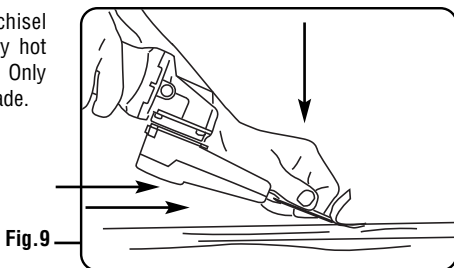


9 OPERATION

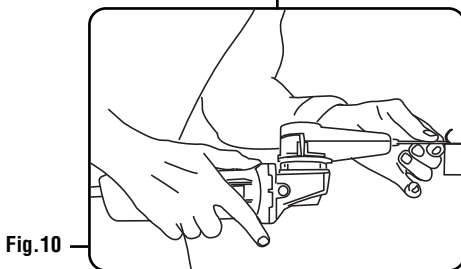
For detailed carving the Power Chisel can be held as shown in fig. 9 & 10.

- Do not force the tool into the wood at steep angles.
- Do not use the chisels as a lever to break out wood.

⚠ WARNING: The chisel shaft becomes very hot during prolonged use. Only handle by the chisel blade.



For fast rebates hold the chisel upside down as seen here in fig.10.



Use only medium pressure. The stroke is delivered at constant power, speed and length, and will not cut faster by forcing the tool.

MAINTENANCE 10

⚠ WARNING: Ensure that the Power Chisel extension arm is always mounted securely. If loose, ensure that all screws are securely fitted.

• Checking bushes & springs:

Unplug the Power Chisel. Remove the top cover. Take care as the springs may fall out (as shown in fig.11). Check the front and rear bush are not worn.

(see knowing your tool). If worn, replace using an Arbortech Power Chisel Service Kit. Replace only worn components.

Also check that the chisel holding spring, and button spring are in sound condition.

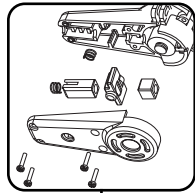


Fig.11

• Checking the cam:

Unplug the Power Chisel. Remove top cover. Check that the cam is not worn excessively.(as shown in fig.12) If wear is greater than 2mm deep replace using an Arbortech Replacement Cam.

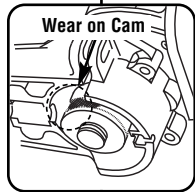


Fig.12

• Exchanging the cam:

Follow the instructions included in the Arbortech Replacement Cam package.

• Checking adaptor plate

Ensure that the Power Chisel adaptor plate is always mounted securely. If loose, tighten the three adaptor plate screws as shown in fig.12a.

Note: The arm must be removed to be able to tighten screws to adapter.

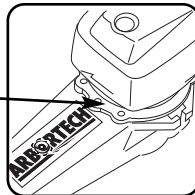


Fig.12a

11 MAINTENANCE

Chisel sharpening:

Unplug the Power Chisel.

Remove the chisel from the unit. Use normal chisel sharpening methods. Check the Arbortech website for detailed sharpening instructions.

Visit our website at:

www.arbortech.com.au

Cleaning:

- Unplug the Power Chisel.
- Remove the chisel.
- Then remove the top cover, take care as parts may fall out (as shown in fig.14).
- To clean, gently remove all grit and dust inside the extension arm using a soft brush to remove any accumulated dust.

NOTE: When cleaning always wear eye protection.

- Replace top cover using the original screws.
- Ensure that the Power Chisel extension arm is always fitted securely to the mounting plate. If loose, tighten the 4 screws that hold the Power Chisel to the mounting plate on the tool body. (as seen in fig.15)

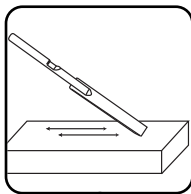


Fig.13

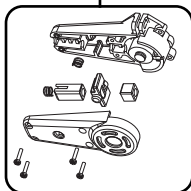


Fig.14

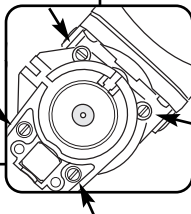


Fig.15

MAINTENANCE 12

Cleaning the grills and switch

First, unplug the power chisel. Regularly check to see if any dust or foreign matter has entered the grills positioned on the front and back of the motor or under the switch (as shown in fig.16).

To clean grills and switch use a soft brush to remove any accumulated dust. Wear safety glasses when doing this.

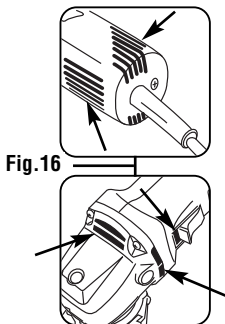


Fig.16

Accessories

Accessories available for the Power Chisel

(PCH.FG.030) Starter PACK (pkt of 5).

(PCH.FG.032) Woodcarver pack (pkt of 3)

Spare Parts

(PCH.FG.040) Cam M10 x 1.5 thread pitch with Oil

(PCH.FG.041) Cam M10 x 1.25 thread pitch with Oil

(PCH.FG.042) Cam M14 x 1.5 thread pitch with Oil

(PCH.FG.043) Cam 5/8 UNC thread pitch with Oil

(PCH.FG.050) Service Kit




(PCH.FG.055) Oil refill Pack



13 OTHER PRODUCTS

	Product	Features
	TURBOPlane™	The Arbortech TURBOPlane™ is a universal wood shaping blade that can be used to create different shapes, profiles and finishes. It can be used flat to create large level surfaces, or used at angles to provide shallow cuts for fine shaping, planing and sculpting.
	Mini TURBO™ Kit	The Arbortech Mini TURBOTM Kit is a revolution in wood sculpting. It can be used either directly on the Arbortech Mini Grinder™ or fitted to an angle grinder using the supplied extension adapter. This is an ideal tool to be used freehand or with guides and templates for accuracy. Previously impossible cuts and shapes are now possible. This is the perfect kit for medium size sculpting projects from go to finish.
	TURBOShaft™	Designed to complement the Arbortech TURBO range or as a stand alone tool, the TURBOShaft™ provides detailed freehand carving to perfectly combine efficiency and exceptional control. The unique new TURBOShaft™ technology is a versatile addition to any woodworkers arsenal. Perfect for deep and narrow profiles, detailed sculpting, letterwork, template work and more.
	Industrial Woodcarver	The Industrial Woodcarver is our best rotary carving blade. It is the smoothest woodcarving blade available, and you will never have to replace the blade due to interchangeable and rotatable tungsten teeth. It is recommended that the blade is always used in conjunction with the Arbortech Pro Guard.

OTHER PRODUCTS 14

	Product	Features
	Contour Random Sander	<p>The Arbortech Contour Random Sander is a revolutionary tool for sanding deep profiles, contours and detail work. It is designed to be used directly on any standard 100mm (4") or 115mm (4 1/2") angle grinder. Areas that previously could only be sanded by hand can now be finished rapidly. The random orbital sanding action combined with the patented flexible backing pad creates a perfect finish without scars, scratches or blemishes. The sanding discs are attached via a high temperature pressure sensitive adhesive which transfers the sanding action more efficiently and can withstand much higher temperatures than conventional hook and loop.</p>
	Mini-Grinder	<p>The Mini-Grinder is the most versatile woodcarving power tool that you'll ever own. It is so easy to use, and lets you to do everything from rough shaping to the finest details and its unique shape allows you excellent visibility.</p>
	Trade Blade (Known as TUFF CUT in Europe and USA)	<p>The Trade Blade is the tradesperson and DIY dream. Its resharpenable tungsten carbide teeth promise long life and unrivalled cutting performance. It is designed for straight cuts and carving through the toughest of materials, from dirty wood with embedded nails to aluminium.</p>



*Manufacturer reserves the right to change specifications without notice.

**Note: Specifications may differ from country to country.

NOTE: Motor may differ from that shown on box depending on specifications required for your country.

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