



Electric Demolition Jackhammer

User Manual

[Revision 4.0 October 2018]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • Keep this manual for future reference. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

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Safety Information



Failure to follow the instructions listed below may result in electric shock, fire and/or serious injury.

The term “power tool” in all of the information listed below refers to the Jackhammer.

- **Work Area**

- Keep the working area clean and well lit.
- Do not operate the power tool in the presence of flammable liquids, gases or dust.
- Keep children and bystanders away while operating the power tool. Keep the area free of all distractions.

- **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 the risk of electric shock.
- 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 the cord away from heat, oil, sharp edges or moving parts.
Do not use the power tool if it has a damaged or entangled cord.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. A suitable cord will reduce the risk of electric shock.

- **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 any power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Always wear earplugs to protect your ears.
- Avoid accidental starting. Ensure the switch is in the off position before plugging it in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the jackhammer on. A wrench or a key left attached to a rotating part of the power tool may result in 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 collection of dust extraction, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.
- Do not touch the bit during or immediately after operation. The bit becomes very hot during operation and can cause serious burns.

- **Power Tool Use and Care**

- 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.
- Do not use the power tool if the switch does not turn 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 before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Do not allow anyone who is unfamiliar with the jackhammer to operate it. Power tools are dangerous in the hands of untrained users.
- Properly keep and maintain your power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect 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 cutting edges are less likely to bind and are easier to control.
- Use the power tool accessories in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.
- Using the power tool for operations different from its intended use could result in hazardous situations.

- **Service**

- Have your power tool serviced by a qualified repair person using only original replacement parts.

Precautions on Using the Jackhammer

- Wear protective glasses to protect your eyes.
- Wear a mask when turning your head upwards.
- Use earplugs to keep your ears noise-free while working.
- Set the bit holder properly.
- Since the bit becomes very hot during operation, exercise extreme caution when you are near it.
- Be sure to use the side handle.
- Safe operation depends on one's stable posture.
- At the start of each work, check the oil supply and tighten any loose screws.
- When working at a highly elevated location, pay attention to objects and persons that are below you.
- Before starting to break or chip a wall, floor, or ceiling, confirm thoroughly that no items such as electric cables or conduits are buried inside.
- Wear protective shoes to protect your feet.

Prior to Operation

- **Power Source**

Ensure that the power source to be utilised conforms to the power requirements specified on the product nameplate.

- **Know what's below**

Before starting to break, chip or drill into a floor, thoroughly confirm that there is no underground utilities running underneath including cables and pipes.

- **Power Switch**

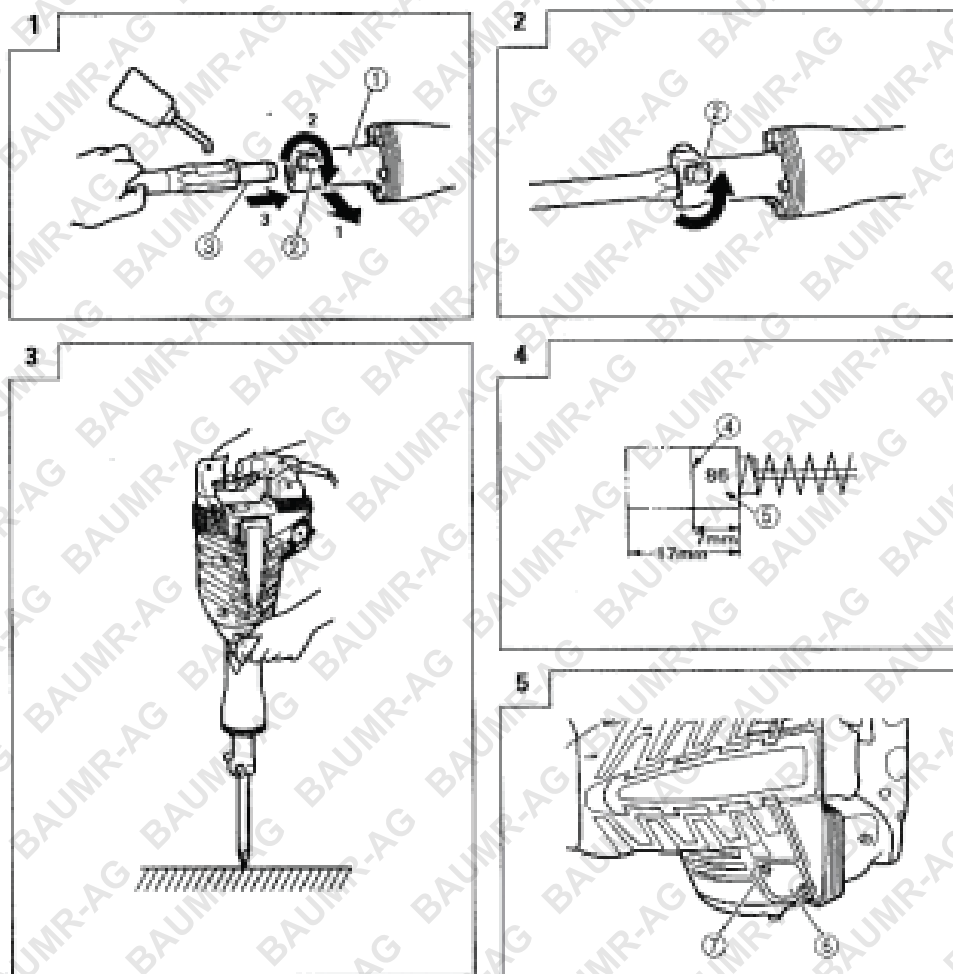
Ensure that the power switch is in the off position. If the plug is connected to a receptacle while the power switch is in the on position, the power tool will start operating immediately which could cause a serious accident.

- **Extension cord**

Use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as possible.

- **Tool Mounting**

Clean then, smear the tool shank with grease or machine oil (Fig. 1). Rotate the stop lever 180, in clockwise direction while pulling it toward you. Next, insert the tool shank into the hexagonal hole on the front cover (Fig. 1). Clamp the tool by turning the stop lever by half a turn in the opposite direction (Fig. 2).



How to Use the Jackhammer

1. Squeeze the trigger switch after applying the tip of the bit to the crushing position. In some cases, it is necessary to punch the tip of the bit against the crushing position forcibly in order to begin the striking motion. It means that the safe guard mechanism against no-load striking is working.
2. Operate the tool by utilising its empty weight. The performance will not improve even if the tool is pressed or thrust forcibly against the work surface. Hold the tool with a force just sufficient to counteract the reaction (Fig. 3).

Maintenance and Inspection

- **Inspecting the tool**

Since use of a dull tool will degrade efficiency and cause possible motor malfunction, sharpen or replace the tool as soon as you note an abrasion

- **Inspecting the mounting screws**

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in hazardous situations.

- **Maintenance of the motor**

The motor unit winding is the very 'heart' of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

- **Inspecting the carbon brushes**

The motor employs carbon brushes which are designed to be replaceable. When they become worn or near the 'wear limit', it may result in motor trouble. When an auto-stop carbon brush is equipped, the motor will stop automatically. At that time, replace both carbon brushes, as shown in Figure 4. In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

- **Replacing carbon brushes**

Loosen the screws of the cap covers, then remove the cap covers (Fig. 5). After removing the brush caps, the carbon brushes can be removed. After replacing the carbon brushes, tighten the brush caps, and mount the cap covers securely.

- **Grease Replacement**

The jackhammer has been constructed to protect against dust and to prevent lubricant leakage. Whilst the unit can be used without lubricant for an extended period, we recommend not allowing it to run dry. Use a spanner to remove the hexagonal sight glass. Add 75W-90W SAE grade oil or something similar. Reinsert sight glass.



NOTE: Be sure to switch **OFF** and disconnect the attachment plug from the receptacle to avoid serious accidents.

Specifications

Motor Type	Induction Commercial Grade
Maximum Power	1700W @ 50% Duty Cycle
Continuous Power	1400W
Mass	25kg - 15kg bare
Maximum Full Load BPM	1600BPM
Tool Mount Size	Hexagonal Chisel 30mm
Tool Mount	Quick Change Hitachi
Tool Size	410mm
Frequency	50Hz
Operating Voltage	240v
Machine Length (w/o tool)	642mm
Cord Length	3800mm
Net Weight	21kg
Bit Compatibility	All 30mm Hex Baumr-AG, Hitachi PH65 PH65SA H65SB2 H70SA, Makita HM1303 HM1317C HM1307C HM1304 HR1400 HR1317C, ROK 150-36-551, TWM, Millers Falls PT4370, Z1G-DW-45 and more



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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