



Demolition Jackhammer

User Manual

[Revision 2.0 April 2019]

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.



The product is NOT supplied with engine oil, although traces of oil from the manufacturing process may be present. It is essential to add adequate engine oil of the correct type to the engine before use. **Failure to add engine oil will void the product warranty.**

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines **OUTSIDE** only, and far away from windows, doors and vents.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

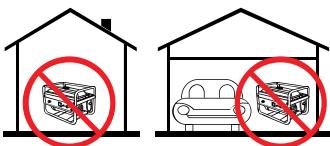
General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

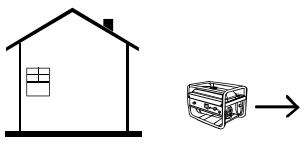
DANGER

Using an engine or wood/charcoal/gas fuelled appliance indoors CAN KILL YOU IN MINUTES.

Engine exhaust and wood/charcoal/gas fumes contain carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a building, home, garage, boat, caravan or tent EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.

Avoid other hazards - READ MANUAL BEFORE USE.

GENERAL:

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dusts.
- Do not operate in a confined area where exhaust gases or wood/charcoal/gas fumes could reach dangerous concentrations.

PRODUCTS FEATURING AN ENGINE

- Follow all warnings in the section titled "GENERAL".
- Explosion hazard - never smoke while refuelling.
- Take care not to spill fuel. When refuelling the engine, ensure that the engine has been allowed to cool. Prevent spilling of fuel as this may also ignite with a hot engine.
- Never refuel while engine is running.

GENERATORS

- Follow all warnings in the sections titled "GENERAL" and "PRODUCTS FEATURING AN ENGINE".
- The output of this generator is potentially lethal. The generator should not be connected to a fixed electrical installation except by an appropriately licensed person.
- Not weatherproof – protect your machine. This machine is not weatherproof and should not be exposed to direct sunlight, high ambient temperature, damp conditions, wet conditions or high humidity conditions.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

			 WARNING EXHAUST FUMES
			
			
			
			

			
Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
			
Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.	Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
			
Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.	Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.	Cable Hazard Ensure that load bearing cable is not kinked or knotted.	Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.
			
Winch Hook Hazard Carry hook to load – do NOT throw or run.	Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.	

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Parts Identification



No.	Name	No.	Name
1	Operating handle	11	Flameout button
2	Control frame	12	Muffler
3	Pull start	13	Starter
4	Choke switch	14	Foot rest
5	Fuel tank	15	Back cover
6	Tank cover	16	Gear box
7	Oil lubricator	17	Hammer block seat
8	Air filter	18	Drill seat
9	Spark plug	19	Drill lock
10	Handles	20	Drill (tamping head)

Assembly

Installation

1. Hold the plastic cover of the hex head holder, drill rod and the hexagonal clamping plane and lubricate it as needed.
2. Pull out the holder and rotate it to 180 degrees to reset, install or remove all kinds of drill heads (see photo to the right).



Fuel



- Do not use 100% pure petrol for fuel.
- Add fuel only in well-ventilated areas.
- Do not fill the fuel tank fully or fill it up to the neck of the fuel tank. If any fuel spills off, promptly remove and clean it up first before starting the jackhammer.
- After adding fuel, close the fuel tank cap securely.

Recommended fuel mix and fuel type is 25:1 (25 parts fuel to 1 part two stroke oil) and Regular Unleaded 95 +RON, respectively.

Recommended Mixing Ratio

Working Condition	Petrol: Engine Oil Ratio
Work within 100 hours	25: 1
Work after 100 hours	30: 1

Operation

Usage

For:

- Tearing up foundations
- Ripping up driveways
- Demolishing re-enforced concrete floors or walls
- Breaking through solid rock

Features

The Baumr-AG petrol powered jackhammer is a full commercial grade unit, which utilises the highest spec motor and mechanical components, combined with a high tensile reduction gear set. This is one of the few jackhammers you are likely to find with these specs.

Huge torque from the perfectly matched 49.3cc power unit allows for maximum demolition force far beyond its lesser electric counter parts.

- The genuine Baumr-AG pro-series
- Huge torque - 50 joules / 1500bpm
- Full 3.5hp force (most powerful on the market)
- Accurate thumb throttle control
- Baumr's famous series II Vibe-Flex™ rubber hand grip
- High tensile gear set for maximum reliability
- Toughened crankshaft, ball bearing construction
- Requires very little maintenance
- Suitable for working on site without power or in wet conditions

Starting

1. When you first start your jackhammer, press the fuel primer bulb repeatedly until the carburettor is filled with fuel.



2. Close the air vent when the engine is cool. You can open the air vent only when the engine is hot.
3. Hold the handles using one of your hands and quickly pull the pull start for about 50cm with the other hand. Do not let go of the pull start while you are repeatedly pulling it. Hold it and put it down gently to protect the starter.
4. Open the air vent completely when the engine has started.



Running

1. After the engine has started up, warm it up in low speed first for about 2 to 3 minutes.
2. When the engine is warm enough, use the jackhammer according to the required impact energy of the job.

NOTE: For the first 24 hours, work load should be light at first. Do not accelerate the engine quickly if you have just lube it with petrol.

3. Select a medium speed first to run the engine, pulling the control between the scales of 3 – 4.
4. Do not use the jackhammer in high speed operation for prolonged periods of time.

Stopping the Jackhammer

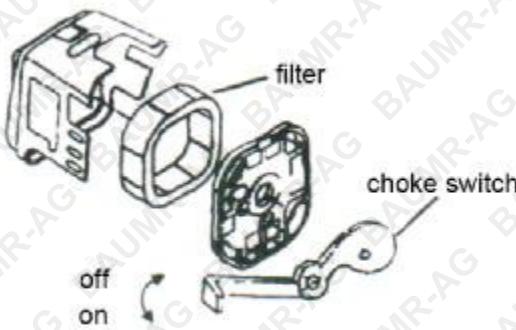
1. Put the switch to the '0' position and let the engine run idle for 3 – 5 minutes.
2. Press the red STOP button to stop the jackhammer.



Maintenance

Air Filter

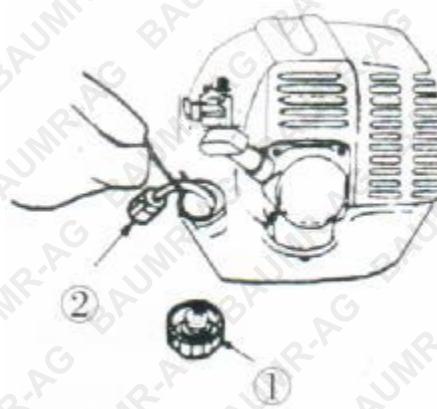
Check the air filter regularly. Dust blockage on the air filter cover can reduce the engine's power and can shorten the engine's service life. If the air filter is very dirty, clean it with a soft, clean cloth that has been mixed with a mild detergent in warm water. After cleaning the air filter and letting it air-dry, lubricate it with a few drops of oil and then re-install it in the jackhammer. The air filter should be replaced if it is already damaged, particularly if the environment is very dirty/dusty and could shorten its maintenance cycle.



Fuel Filter

If the fuel filter is clogged, it will slow down the jackhammer's speed and force impact.

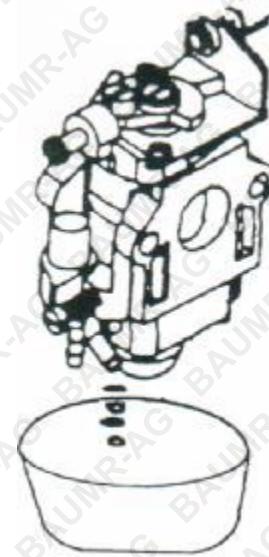
1. Open the tank lid with a metallic hook, then take out the fuel filter and clean it.
2. When cleaning the fuel filter, please also clean the fuel tank.



Carburettor

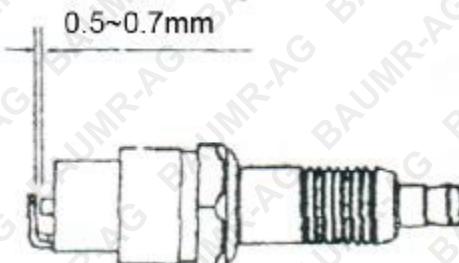
The fuel tank and carburettor generally have left-over residual oil on them. If a prolonged period has passed, the residual oil can coagulate and cause blockades to the oil line, causing the engine to not work. Therefore, when the jackhammer is not used for more than a week, ensure that you completely drain out the oil.

To drain out the oil, press the carburettor fuel primer bulb repeatedly.



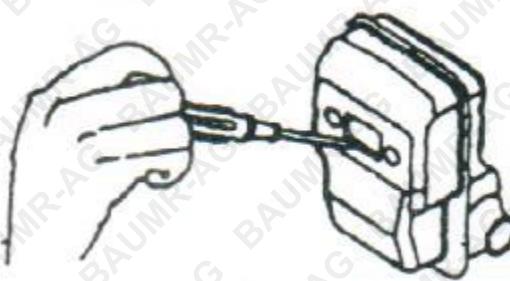
Spark Plug

To ensure normal operations of the engine, the spark plug's gap should be moderately spaced. Use a wire brush to remove any sediments, if needed. A reasonable spark plug gap is between 0.5 – 0.7mm.



Muffler

Use a screwdriver to remove dirt/debris on the muffler and on the exhaust.



Centrifugal Oil Cup

Open the gear box cover to check on the centrifugal oil cup and add oil regularly, as needed.

Cylinder Heat Sink

Remove dust and debris regularly to ensure proper cooling of the cylinder. The jackhammer is air-cooled, if dust/debris is allowed to accumulate on the heat sink, it will directly affect the cooling rate of the cylinder.

Maintenance Cycle

		When Broken Down	Every Month	Every Week	After Work or Everyday	After Filling with Oil	If Necessary
The whole jackhammer	Check for stability (physical state, screws are still intact, etc.)	✓			✓		
	Cleaning		✓				
Control handle/Stop button	Functional checking	✓		✓			
Air filter	Clean				✓		✓
	Replace						✓
Fuel Filter	Check					✓	
	Replace						✓
Petrol tank/tank cover	Clean		✓	✓			
	Check	✓		✓			
	Tighten						✓
Gear/Hammer box	Clean					✓	
	Add oil						✓
Lubricating oil tank	Check	✓					
	Clean					✓	
	Fill with oil						✓
Chisel	Check its sharpness	✓					
	Re-sharpen						✓
	Replace					✓	
Silencer	Check				✓		
	Remove deposits						✓
Cylinder cooling fin	Check				✓		
	Clean						✓
Ignition plug	Check/Adjust the distance between the electrodes					✓	
	Replace						✓
Screw and nut	Check	✓		✓			
	Tighten						✓

Troubleshooting

Problems	Possible Causes	Recommended Solutions
Difficulties in starting the engine in its cooled state.	<ol style="list-style-type: none"> 1. Ignition plug is damp. 2. Ignition plug does not produce sparks. 3. Too much fuel. 	<ol style="list-style-type: none"> 1. Dry the ignition plug 2. Replace the ignition plug. 3. Reduce fuel supply.
Difficulties in restarting after the engine suddenly stops.	<ol style="list-style-type: none"> 1. Fuel has run out or the carburettor is blocked. 2. Fuel filter is blocked. 3. Too much debris/deposit on the ignition plug. 	<ol style="list-style-type: none"> 1. Refill the fuel tank or clean the carburettor. 2. Clean the fuel filter. 3. Remove the debris/deposit.
Slow speed and weak impact power.	<ol style="list-style-type: none"> 1. Debris/Deposits are blocking the opening of the cylinder. 2. Oil tube and air vent on the fuel tank cover is blocked. 3. Air filter is blocked. 	<ol style="list-style-type: none"> 1. Remove the debris/deposit. 2. Clean the oil tube and air vent. 3. Clean the air filter.
Abnormal sounds coming from the jackhammer.	<ol style="list-style-type: none"> 1. Debris/Deposits are on the combustion chamber. 2. Damaged parts. 	<ol style="list-style-type: none"> 1. Remove the debris/deposits. 2. Replace the damaged parts. Contact the manufacturer.
Jackhammer is working normally, but force impact is very weak.	Chisel head is blunt or damaged.	Sharpen or replace the chisel head.

Please contact the manufacturer if your jackhammer needs further troubleshooting.

Specifications

Engine Type	Petrol EURO 2 - two stroke commercial
Dual weighted crank / double ringed piston	
Displacement / Maximum Power	49.3CC / 3.5hp
Max. Power & Speed	1.45kW / 6500rpm
Max. Torque & Speed	2.5N.m / 5000rpm
Clutch Type	Centrifugal
Starter System	Recoil start
Fuel Tank Capacity	1.2 Litre
Fuel Mix	25:1 (25 parts fuel to 1 part two stroke oil)
Fuel Type	Regular Unleaded 95 +RON
Fuel Use Up Rate	<0.6L/h
Gear Oil	90W
Maximum Full Load J/BPM	50J - 1500bpm
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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