

Bäumr-AG®

HP480 4 STROKE POST DRIVER



User Manual

[Revision 1.0]

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

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- 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.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- 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.

Child Choking Hazard!



• **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**

- Carefully inspect anything a baby or child could gain access to, including this product & packaging.

- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.

• Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys, and coins. But there are also many more.

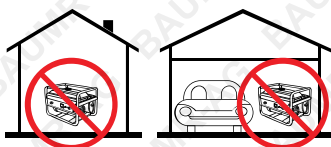
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.

- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

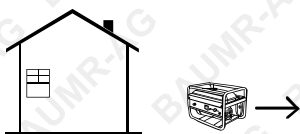
HAZARDOUS COMPONENTS!

⚠ 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.

- **BE AWARE THAT THE EQUIPMENT MAY INCLUDE HAZARDOUS COMPONENTS, SUCH AS BLADES, HOT SURFACES AND MOVING PARTS.**
- **MOVING BLADES CAN CAUSE SERIOUS INJURY AND EVEN DEATH IF USED IMPROPERLY OR WITHOUT SUFFICIENT PPE.**
- **DO NOT USE THIS EQUIPMENT ON UNEVEN SURFACES AND ALWAYS MAINTAIN GOOD BALANCE WHEN USING THIS EQUIPMENT. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY.**
- **MAINTAIN A SECURE GRIP OF THE TRIGGER ASSEMBLY AT ALL TIMES.**

Operational Safety

- Operators must wear anti-slip safety shoes, appropriate clothing, protective glasses, safety helmets, and earmuffs.
- When using the machine, ensure you maintain body balance, and the operator must stand behind the handle support during operation. Smoking, eating, and chatting are strictly prohibited to avoid distraction.

- Do not operate the machine with one hand.
- When lifting the machine, first release the throttle handle to ensure it resets, and the machine is idling. Control the lifting speed carefully.
- Non-operating personnel must stay clear of the operation area to avoid personal injury from flying debris during operation.
- Operate the pile driver at medium speed under normal conditions.
- The handle must remain dry, clean, and free of oil or any flammable substances.
- If the operation is interrupted, the engine must be shut down.
- Before using the machine, check that all fastening screws of the connecting parts are secure. Tighten any loose screws before use.
- Do not use non-four-stroke engine oil for maintenance. Use #92 pure petrol (do not use mixed fuel).
- Turn off the petrol engine when refuelling. Petrol is highly flammable and must be replenished in a well-ventilated area, away from open flames.
- Do not overfill the fuel tank, and do not exceed the neck position of the filler. If spillage occurs, clean it thoroughly and wait for the fuel to evaporate completely before starting the machine.
- After refuelling, securely tighten the fuel tank cap. Regularly inspect the fuel tank for damage or leaks. If any damage or leakage is detected, stop using the machine and replace the tank promptly.
- Store the machine in a designated safe storage area to minimise fire risk.
- When working in confined spaces, such as tunnels, trenches, or deep ditches, ensure proper ventilation with a fan to avoid carbon monoxide poisoning from exhaust fumes.
- It is strictly prohibited to over-speed or run the machine without load, as this may cause damage.
- If transporting the machine over a long distance, empty the fuel tank beforehand.
- Non-professionals must not dismantle the machine to avoid structural damage, reduced lifespan, or accidents.



DANGER



Running combustion engines in confined areas CAN KILL IN MINUTES. Engine exhaust fumes contain carbon-monoxide – a deadly gas that you cannot smell or see.



NEVER run a combustion engine in confined areas EVEN IF windows and doors are open. ONLY run petrol engines OUTDOORS and away from doors, windows, and vents.

Do not operate the equipment in hazardous locations, such as where there may be a risk of fire or explosions from flammable liquids, gases or dust.

Do not operate the equipment in confined areas where exhaust gases, smoke or fumes could reach dangerous concentrations.

Do not refuel a combustion engine while it is running on or hot.

Never smoke while refueling combustion engines or handling flammable substances.

For generators, the electrical output is potentially lethal and must only be connected to a fixed electrical installation by an appropriately licensed person.

Be aware that the equipment may include hazardous components, such as blades, hot surfaces and moving parts.

Handle any flammable substance with extreme caution.

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.

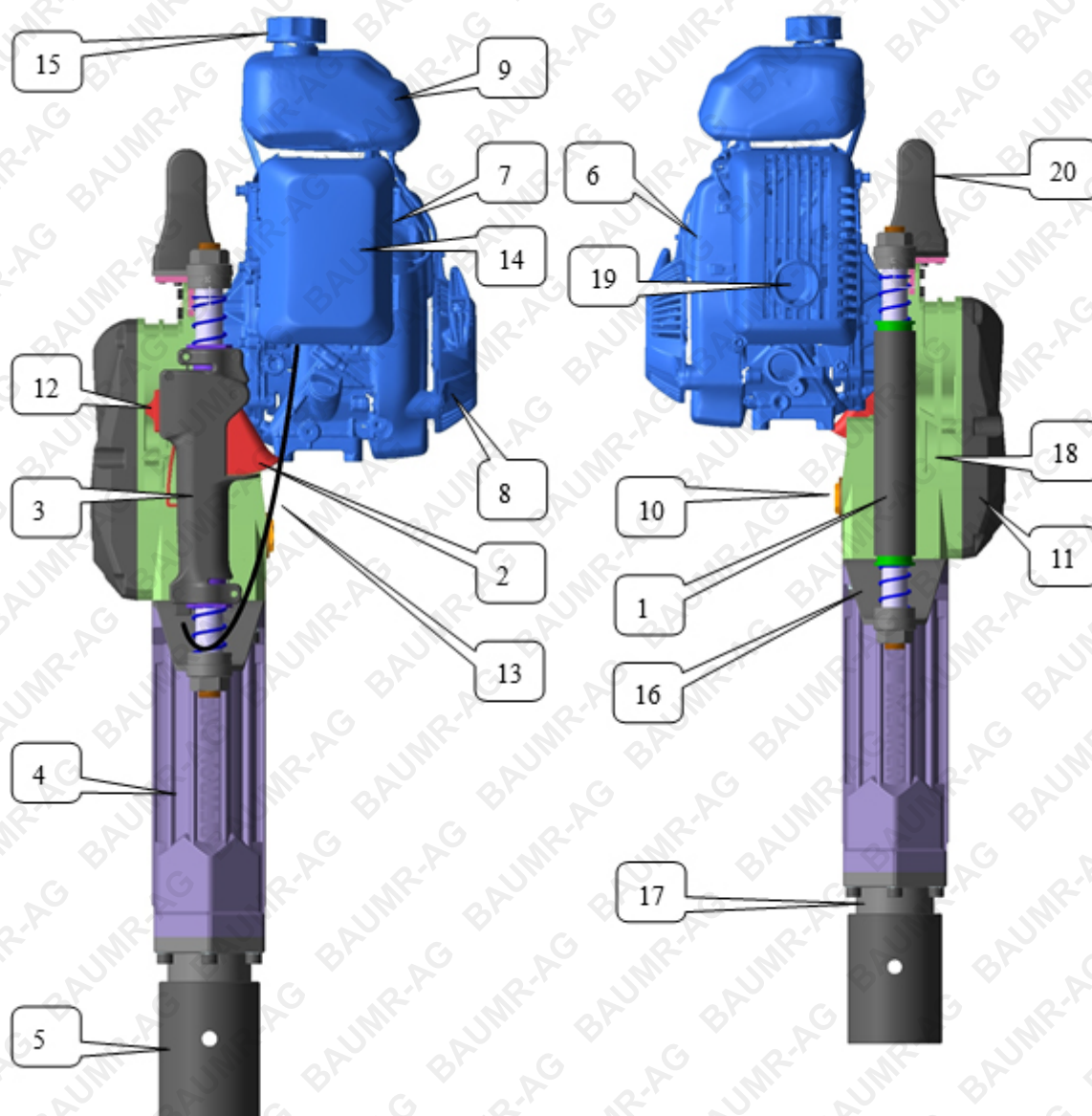
 Flammable Material Hazard Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.	 Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.	 Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.	 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.
 Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.	 Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.	 Explosive Material Hazard Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.	 Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.
 Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.	 Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.	 Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.	 Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.
 Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.	 Running Hazard Do not run on or near the product as doing so may present a fall hazard.	 Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.	 Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.
 Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.	 Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.	 Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.	 Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

 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.	 Choking Hazard Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

Table of Contents

Safety	2
Safety Symbols	5
Parts Identification	8
Operation	9
Main Purpose and Function	9
Use of Fuel and Grease	9
Engine Oil	10
Preparation	11
Start-Up	12
Operation	13
Shut Down the Machine	13
Maintenance	14
Fuel Filter	14
Carburetor	14
Spark Plug	14
Muffler Maintenance	14
Gearbox Lubrication	14
Air Filter Maintenance	15
Maintenance Schedule	16
Troubleshooting	18
Specifications	19

Parts Identification



No.	Name	No.	Name
1	Auxiliary handle	11	Top cover
2	Throttle switch	12	Flameout switch
3	Switch handle	13	Throttle cable
4	Cylinder	14	Air filter
5	Pile socket	15	Fuel tank port
6	High pressure pack	16	Supporting plate
7	Ventilation door	17	Iron head
8	Starter	18	Gear box
9	Fuel tank	19	Silencer
10	Grease filling port	20	Handle

Operation

Main Purpose and Function

Applicable Areas:

This product is suitable for use on farms, in orchards, and at piling bases, among other locations.

Use of Fuel and Grease

Adding Fuel

- Use ordinary #92 petrol.
- Do not use mixed fuel or impure petrol.
- Store fuel in a well-ventilated area, away from open flames.
- Avoid overfilling the fuel tank. Do not exceed the neck position of the filler. If fuel spills, clean it thoroughly and wait for the fuel to evaporate completely before starting the machine.
- After refuelling, ensure the fuel tank cap is securely tightened.

Adding Grease

- We recommend using EP0. Please note that EP0 has a semi-fluid consistency and is prone to some leaking so place some cardboard down when you are storing the unit.
- The machine is pre-filled with grease at the factory and does not require additional grease before initial use. After 20 hours of continuous use, grease must be replenished. (Refer to Figure below for the grease filler location.)



To add grease:

1. Unscrew the oil hole cap with a wrench.
2. Add approximately 30-50g of grease through the hole.
3. After adding grease, securely tighten the oil hole cap. (Refer to Figures below).



Engine Oil

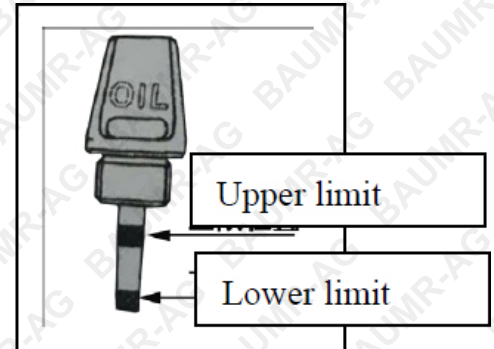
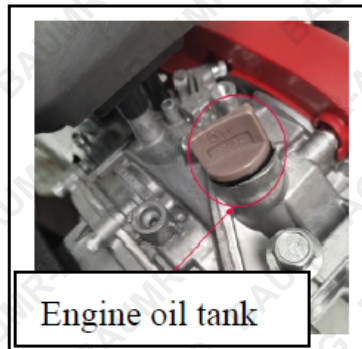
- Quality Standard for General Petrol and Four-Stroke Engine Oil
- The recommended ambient operating temperature for this machine is -15°C to 40°C. Use SAE 10W-30
- Do not use two-stroke oil or non-four-stroke oil, as this may damage the engine.
- Keep oil and fuel away from open flames. Ensure the area is well-ventilated when refuelling.
- When adding fuel, do not exceed the neck of the fuel filler. If spillage occurs, wipe it clean and wait until the fuel has completely evaporated before starting the machine.
- Tighten the fuel tank cap securely after refuelling.

Oil Inspection and Replenishment

- Operating the machine with no oil or insufficient oil can cause severe engine damage.
- Ensure the machine is placed flat on a horizontal surface when checking the engine oil level, and only check when the machine is stopped.
- If the engine oil is excessively dirty, replace it with fresh oil as part of maintenance.
- Replace the oil 10–20 hours after the first use.
- Subsequently, replace the oil every 40–50 hours of operation.

Steps for Checking and Adding Engine Oil:

1. Stand the machine securely on a level surface.
2. Unscrew the oil dipstick to check the oil level. The oil level should reach the upper limit mark on the dipstick. (Refer to Figure below).

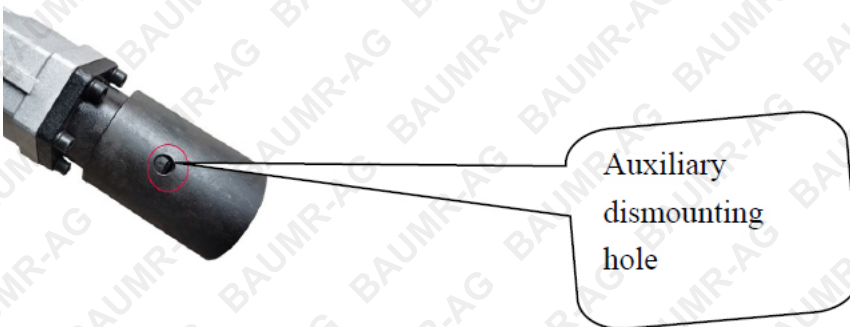


If the oil level is below the lower mark on the dipstick:

- Add four-stroke oil until the oil level reaches the upper limit mark.
- If the machine is used continuously for more than 10 hours, check and replenish the oil level to the upper limit before continuing operation.

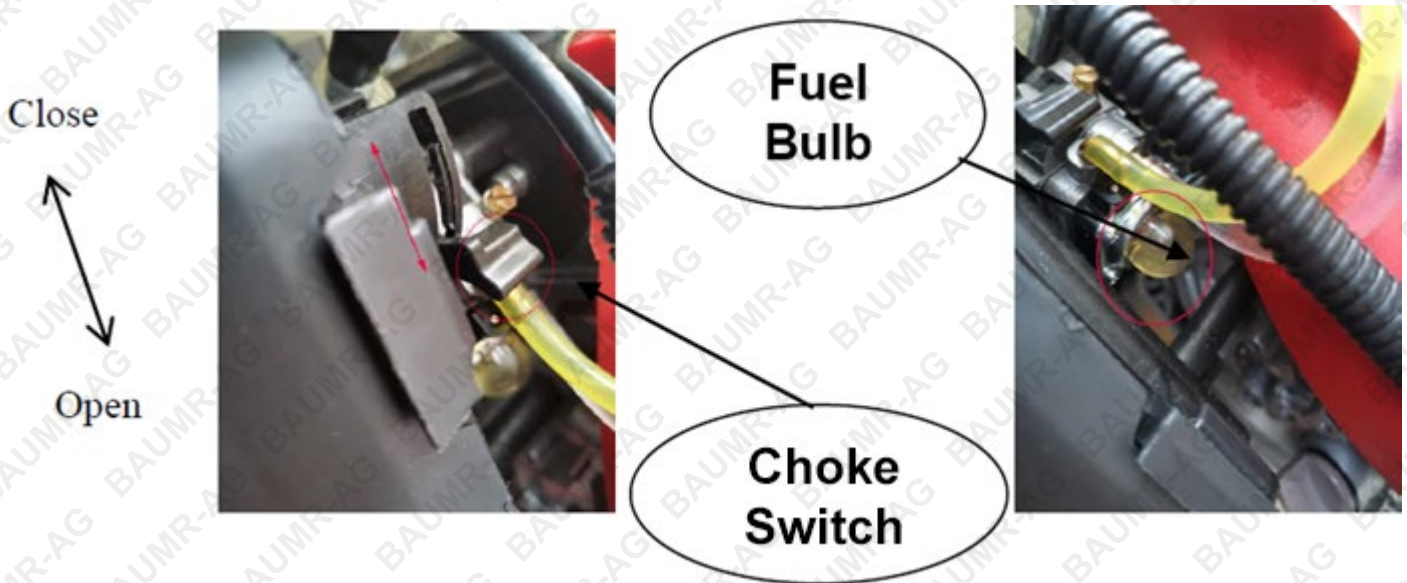
Preparation

1. Before beginning work, attach the pile-driving barrel compatible with the machine by screwing it into the iron head of the main unit.
2. Ensure the thread is securely tightened in place.
3. If the thread of the pile barrel becomes difficult to tighten, insert an iron bar into the auxiliary dismounting hole to increase leverage and screw it out. (Refer to Figure below).



Start-Up

1. Before starting the machine for the first time, repeatedly press the priming bulb to fill the carburettor with fuel (refer to Figure below).
2. When the engine is cold, ensure the choke switch is in the "Closed" position.
3. When the engine is warm, turn the choke switch to the "Open" position and open the fuel valve to allow operation.



4. Stabilise the machine by firmly grasping the handle.
5. Using your other hand, pull the starter rope out to a length of approximately 50 cm.
6. Pull repeatedly until the engine starts. If the engine is cold pull it until you hear the engine "splutter" then turn the choke to the OPEN position and pull again. Now it will start.
7. Do not allow the handle to retract freely during the process; instead, guide it back down gently using its inertia to protect the starter mechanism.



8. Ensure the choke is in the OPEN position once the engine is running steadily.

Operation

- After starting the engine, allow it to run at low speed for 3 to 5 minutes to prepare the machine for operation. Once the engine is fully ready, adjust it to the designated position according to the rated impact energy.

Note: During the first 24 hours of operation, maintain low to medium speed to extend the service life of the new petrol pile driver. Do not operate it at maximum speed.

- It is recommended to keep the engine at medium speed during operation.
- Avoid running the pile driver at high speed for prolonged periods.

Shut Down the Machine

- To shut down the machine, press the engine switch and move the switch arrow to the "Stop" position.
- Always reset the engine switch to the "Start" position before restarting the machine.



Maintenance

ATTENTION: Surface corrosion will occur on metal surfaces over time and the rate of oxidation depends on factors such as proximity to the ocean and humidity or condensation of water vapour on metal surfaces. To mitigate this, WD40 can be used to remove surface corrosion then, when applied periodically, it will prevent rust from forming.

Fuel Filter

If the fuel filter becomes blocked, the pile driver may lose speed, and the impact will weaken.

Solutions:

1. Open the fuel cap using and remove the fuel filter from the tank.
2. Clean both the fuel filter and the fuel tank thoroughly, clearing any dirt or debris

Carburetor

Over time, the fuel tank and carburetor may run out of fuel, leaving residual oil that can turn into debris. This debris can block the fuel pathway, causing the engine to stall or fail to refuel.

Preventative Measure:

- If the machine is in storage for more than a week, ensure all fuel is drained.

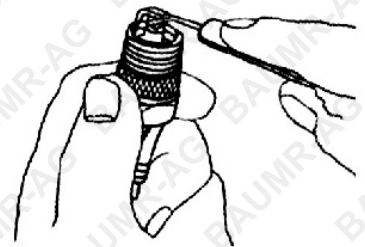
Cleaning Procedure:

1. Disconnect the fuel pipe.
2. Press the fuel bulb repeatedly to remove all residual fuel.

Spark Plug

To ensure the engine operates smoothly, maintain the correct spark plug gap and remove any deposits with a wire brush.

The optimal spark plug gap is 0.5–0.7 mm.



Muffler Maintenance

- Regularly maintain the muffler to ensure optimal performance.
- Use a screwdriver to remove debris and carbon deposits from the muffler and exhaust outlet.

Gearbox Lubrication

1. Open the gearbox cover and lubricate the gears and connecting shaft regularly with suitable lubricating oil.
2. Open the front cylinder and clean the piston and impact hammer. Apply lubricating oil for maintenance.

Air Filter Maintenance

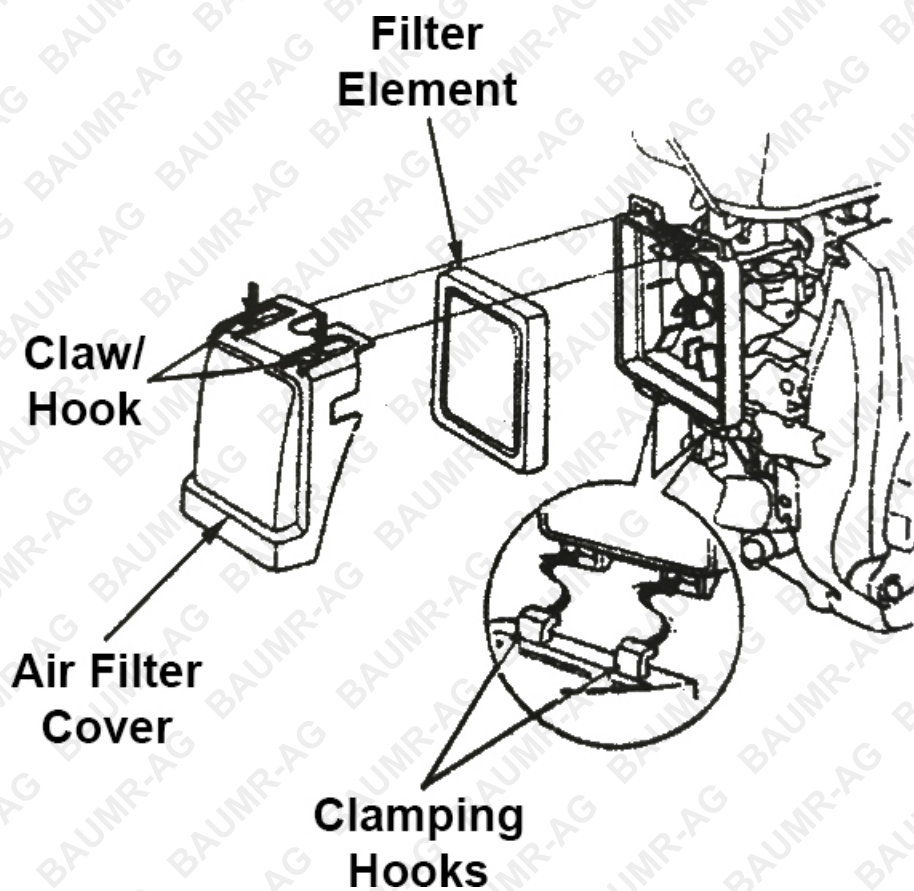
Over time, dirt and debris accumulate on the air filter, which impacts airflow, reduces power, and increases fuel consumption. Regular cleaning is essential to maintain efficiency.

Cleaning Schedule:

- Every 3 months or 25 hours of use.
- For dusty environments, clean the air filter every 10 hours or daily.

Cleaning Procedure:

1. Remove the air filter cover and inspect the filter element.
2. If the filter element is dirty, remove the air filter material and clean it with petrol. Allow it to dry completely before reinstallation.



Maintenance Schedule

Note: The following data represent common maintenance requirements. In severe working conditions, such as environments with heavy dust or during long-term operation, the maintenance cycle should be shortened accordingly.

Component	Task	Before Start-Up	After Work or Daily	After Refuelling	Weekly	Monthly	Temporary Fault	Other
Machine	Visual inspection (status, screw tightening)	✓		✓				
	Clean		✓					
Control Handle / Stop Button	Function check	✓		✓				
Air Filter	Clean				✓			✓
	Replace						✓	
Fuel Filter	Check					✓		
	Replace						✓	
Petrol Tank / Petrol Tank Cover	Clean		✓	✓				
	Check			✓				
	Tighten							
Gearbox / Oil Reservoir	Clean					✓		
	Add Oil							✓
Lubrication Box	Check	✓						
	Clean					✓		
	Add Grease							✓
Socket Sleeves	Check for looseness	✓						
	Thread tightening	✓						✓
	Replace							✓

Component	Task	Before Start-Up	After Work or Daily	After Refuelling	Weekly	Monthly	Temporary Fault	Other
Muffler	Check					✓		
	Clean up carbon deposition							✓
Cylinder Cooling Fins	Check					✓		
	Clean							✓
Spark Plug	Check / Adjust electrode gap					✓		
	Replace							✓
Screws and Nuts	Check	✓		✓				
	Tighten			✓				✓

Troubleshooting

Fault	Possible Causes	Measures
Machine fails to start when cold	Spark plug is wet	Clean the spark plug
	Spark plug does not produce a spark	Replace the spark plug
Difficult to start after a sudden interruption	Fuel exhausted	Refill with pure petrol
	Carburettor is blocked	Clean the carburettor
	Fuel filter is blocked	Clean the fuel filter
	Excessive carbon on the spark plug	Remove carbon deposits from the spark plug and clean the filter element
Slow speed, low efficiency	Carbon deposits in the cylinder or muffler	Clean the deposits
	Fuel tank pipe or vent is blocked	Remove the blockage
	Air filter is clogged	Clean the air filter
Abnormal sound	Carbon deposits in the combustion chamber	Clean the carbon deposits
	Severely worn movable parts	Replace the worn accessories

Specifications

Power Type	Petrol
Engine Type	4-Stroke
Engine Oil	SAE 10W-30
Engine Displacement	55cc
Grease	EP0
Fuel Type	Petrol Regular Unleaded 95+ RON
Fuel Capacity	1L
Max Torque	2.4Nm / 5500RPM
Impact Frequency	1100 - 1800BPM
Impact Force	85J
Starting System	Recoil



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.

