Polymak

Polymak Tools(India) Pvt. Ltd

186/187, P.H Road, Alsa Towers, Kilpauk,

Chennai – 600 010,

: +91-44-48631869 E-mail: info@polymak.co.in

Visit us at : www.polymak.co.in

INSTRUCTION MANUAL

28J

Polymak

DEMOLITION HAMMER



Read and follow all safety precautions in instruction manual

ENGLISH (Original instructions) SPECIFICATIONS

Model	PMDH11P
Blows per minute	1000-1900 min ⁻¹
Power	1500W
Impact energy	28J
Safety class	0

Due to our continuing programme of research and development, the specifications herein are subject to change without notice. Specifications may differ from country to country ☑ Weight according to EPTA-Procedure 01/2003

power tool can differ from the declared emission

value depending on the ways in which the tool is

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

is running idle in addition to the trigger time).

instructions for future reference.

The term "power tool" in the warnings refers to your

mains-operated (corded) power tool or battery-operated

Keep work area clean and well lit. Cluttered or

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.

operating a power tool. Distractions can cause

Keep children and bystanders away while

General Power Tool Safety

Save all warnings and

dark areas invite accidents.

vou to lose control.

serious injury.

(cordless) power tool.

Work area safety

Electrical safety

the times when the tool is switched off and when it

Be sure that you understand their meaning before use. Read instruction manual.

(3)

DOUBLE INSULATION

Only for EU countries Do not dispose of electric equipment together with household waste material! In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that Warnings have reached the end of their life must \triangle WARNING Read all safety warnings and all be collected separately and returned to instructions. Failure to follow the warnings and an environmentally compatible instructions may result in electric shock, fire and/or

Intended use The tool is intended for chiselling work in concrete, brick, stone and asphalt as well as for driving and compacting with appropriate accessories.

recycling facility.

Power supply The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets

The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool

The declared vibration emission value may also be used in a preliminary assessment of exposure.

tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

4. Power tool plugs must match the outlet. Never

modify the plug in any way. Do not use any

adapter plugs with earthed (grounded) power

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. 6. 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 Power tool use and care carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords ncrease the risk of electric shock.

When operating a power tool outdoors, use an a cord suitable for outdoor use reduces the risk of 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. 10. Use of power supply via a RCD with a rated

residual current of 30mA or less is always Personal safety

11. 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.

wear eve protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. 13. Prevent unintentional starting. Ensure the

12. Use personal protective equipment. Always

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.

14. 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.

15. 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 we ar loose clothing or 26. Follow instruction for lubricating and

jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving 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

18. 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 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 stor ing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

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

Description

M6 Flat washer

probe

 $\phi 20 \times \phi 30 \times 7$

screw ST3X10

variable speed boar

Flat screw ST5X22

M5 flat washer

inner hex screw M8X2

M8 flat washer

rubber ring

cable protecto

inner hex screw M6X65

bearing

woolen ring ∲12×18

cover of oil box

inner hex screw M8

1 103

screw M4X1

inner hex screw M5X

could result in a hazardous situation

and the work to be performed. Use of the power

tool for operations different from those intended

21. 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

used for a long time, let the tool warm up for a and any other condition that may affect the while by operating it under no load. This will power tool's 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 Be sure no one is below when using the tool in maintained cutting tools with sharp cutting edges

> Hold the tool firmly with both hands. 10. Keep hands away from moving parts.

tool is maintained

cause hearing loss.

changing accessories.

. Keep handles dry, clean and free from oil and

glasses are NOT safety glasses. It is also

Be sure the bit is secured in place before

to produce vibration. The screws can come

loose easily, causing a breakdown or accident.

Check tightness of screws carefully before

In cold weather or when the tool has not been

mask and thickly padded gloves.

highly recommended that you wear a dust

HAMMER SAFETY WARNINGS

. Do not leave the tool running. Operate the tool only when hand-held.

when operating. The bit could fly out and side of the tool. To stop the tool, push the switch lever "OFF (O)" on the right side of the tool.

immediately after operation; they may be extremely hot and could burn your skin.

25. Have your power tool serviced by a qualified 14. Do not operate the tool at no-load repair person using only identical replacement unnecessarily. parts. This will ensure that the safety of the power

15. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

SAVE THESE INSTRUCTIONS.

1. Wear ear protectors. Exposure to noise can

Use auxiliary handle(s), if supplied with the DO NOT let comfort or familiarity with product tool. Loss of control can cause personal injury. (gained from repeated use) replace strict adherence Hold power tool by insulated gripping to safety rules for the subject product. surfaces, when performing an operation where MISUSE or failure to follow the safety rules stated in the cutting accessory may contact hidden this instruction manual may cause serious personal wiring or its own cord. Cutting accessory injury. contacting a "live" wire may make exposed metal

parts of the power tool "live" and could give the FUNCTIONAL DESCRIPTION operator an electric shock.

and/or face shield. Ordinary eye or sun

Always be sure that the tool is switched off and unplugged before adjusting or checking function on

Switch action

. Switch lever Under normal operation, the tool is designed

that the tool is switched off.

maintain firm grasp on tool.

Switch can be locked in "ON" position for ease of

caution when locking tool in "ON" position and

operator comfort during extended use. Apply

loosen up the lubrication. Without proper warm-up, hammering operation is difficult. \triangle CAUTION: Always be sure you have a firm footing. Before plugging in the tool, always check to see

high locations.

12. Do not point the tool at any one in the area

To start the tool, push the switch lever "ON (I)" on the left

13. Do not touch the bit or parts close to the bit

Speed change

tool is plugged. If the indiator lamp does not light up, the mains cord or the controller may be malfunction. The indicator lamp is lit but the tool does not start even if the tool is switched on, the carbon brushes may be worn out, or the controller, the motor or the ON/OFF switch may be malfunction. The red service indicator lamp flickers up when the

The green power-ON indicator lamp lights up when the

carbon brushes are nearly worn out to indicate that the tool needs servicing. After approx. 8 hours of use, the motor will automatically be shut off.

The blows per minute can be adjusted just by turning the ASSEMBLY

Side handle (auxiliary handle)

For tool with stick type side handle

running. The dial is marked 1 (lowest speed) to 5 (full Refer to the table below for the relationship between the $\ oxdots$ Always be sure that the tool is switched off and unplugged before carrying out any work on the number settings on the adjusting dial and the blows per

those on load in order to reduce vibration under no

load, but this does not show trouble. Once

operation starts with a bit against concrete, blows

per minute increase and get to the numbers as

shown in the table. When temperature is low and

there is less fluidity in grease, the tool may not

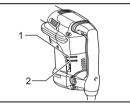
adjusting dial. This can be done even while the tool is

∆CAUTION:

as 5 and back to 1. Do not force it past 5 or 1, or the speed adjusting function may no longer work.

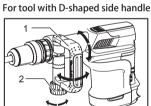
The side grip swings around to either side, allowing easy handling of the tool in any position. Loosen the side grip by turning it counterclockwise, swing it to the desired

have this function even with the motor rotating. Indicator lamp



I. Power-ON indicator lamp (green)
2. Service indicator

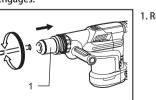
lamp (red)



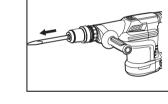
The side handle can be swung 360° on the vertical and secured at any desired position. It also secures at eight different positions back and forth on the horizontal. Just loosen the clamp nut to swing the side handle to a desired position. Then tighten the clamp nut securely.

Installing or removing the bit 2. Bit grease

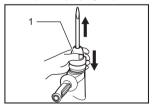
Clean the bit shank and apply bit grease before installing Insert the bit into the tool. Turn the bit and push it in until



If the bit cannot be pushed in, remove the bit. Pull the releasing cover down a couple of times. Then insert the bit again. Turn the bit and push it in until it engages.

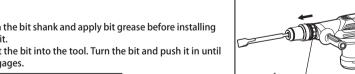


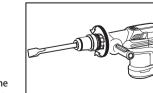
After installing, always make sure that the bit is securely held in place by trying to pull it out.



To remove the bit, pull the releasing cover down all the

Bit angle





The bit can be secured at 12 different angles. To change the bit angle, slide the change ring forward, then turn the change ring to change the bit angle. At the desired angle, slide the change ring back to the original position. The bit will be secured in place.

OPERATION Chipping/Scaling/Demolition





. Change ring

∆CAUTION:

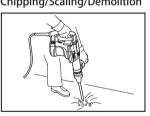
unplugged before attempting to perform inspection

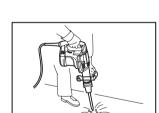
Lubrication

 \triangle CAUTION:

 This servicing should be performed by Makita Authorized Service Centers only.

installed on the tool.





Always use the side grip (auxiliary handle) and firmly hold the tool by both side grip and switch handle during operations. Turn the tool on and apply slight pressure on the tool so that the tool will not bounce around, uncontrolled. Pressing very hard on the tool will not increase the efficiency.

MAINTENANCE

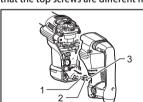
Always be sure that the tool is switched off and crank cap cover.

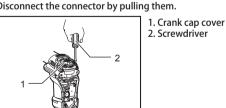
 Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may

it has a grease-packed lubrication system. It should be Center for this lubrication service.

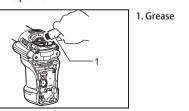


Run the tool for several minutes to warm it up. Switch off and unplug the tool. Loosen the four screws and remove the handle. Note that the top screws are different from other screws.





Loosen the four screws on crank cap and remove the



This tool requires no hourly or daily lubrication because

Wipe out the old grease inside and replace with a fresh it has a grease-packed lubrication system. It should be lubricated every time the carbon brushes are replaced. (optional accessory). Filling with more than the specified Send the complete tool to Makita Authorized Service amount of grease (approx. 30 g) can cause faulty hammering action or tool failure. Fill only with the

specified amount of grease.

 ⊠ Be careful not to damage the connector or lead wires especially when wiping out the old grease. To reassemble the tool, follow the disassembling procedure in reverse.

of resin and is subject to breakage.

□ Do not tighten the crank cap excessively. It is made



Connect the connector firmly and then reinstall the To maintain product SAFETY and RELIABILITY, repairs carbon brush inspection and replacement, any other

maintenance or adjustment should be performed by

Makita Authorized Service Centers, always using Makita

ACCESSORIES

 \triangle CAUTION: recommended for use with your KANO tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

4 pad (30×48.8×3) Push plate Clutch spring steel φ6.5 screw M8X30 M8 spring washer 0 ring φ63×2.6 8825 rotary sleeve 18 0 ring φ31.5×2.5 1 71 ф32×ф42×7 framework о 0 ring φ22×11 buffering holder 0 ring φ35×3 0 ring φ30.7×4.9 31 piston pin 1 84 Cover of handle screw st4x10 spring for bus screw ST4×14

bursh holder

base of brush hold

bearing PT6201

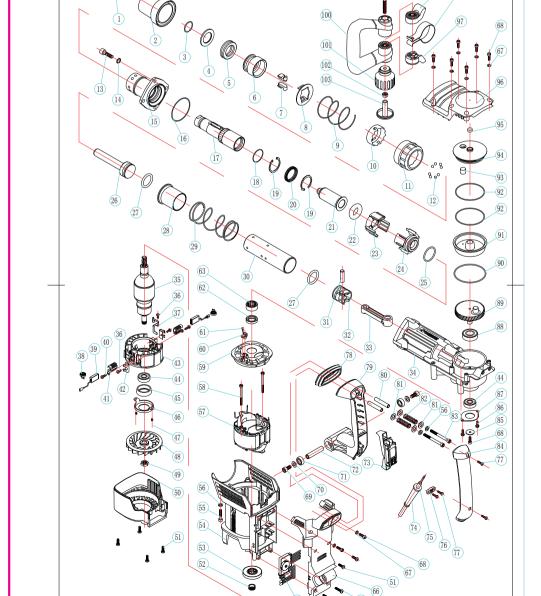
slamp of bearing slee slamp of bearing slee

M12 nut

50 real cover

Description

3 steel cable baffle ring(φ27×



Blows at no load per minute becomes smaller than position and then tighten it by turning clockwise.