



DEMOLITION HAMMER 1700W



TSJH07

www.thetoolshed.co.nz

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Thank You

For the purchase of this ToolShed product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

Please contact us for any servicing, replacement parts, or questions you might have about your ToolShed product by visiting our website, or calling: 0800 948 665.

PRODUCT DETAILS

Product Model ToolShed Demolition Hammer 1700W

Product Code TSJH07

DISTRIBUTED BY:



Note:

This manual is for your reference only. Due to the continuous improvement of the ToolShed products, changes may be made at any time without obligation or notice.

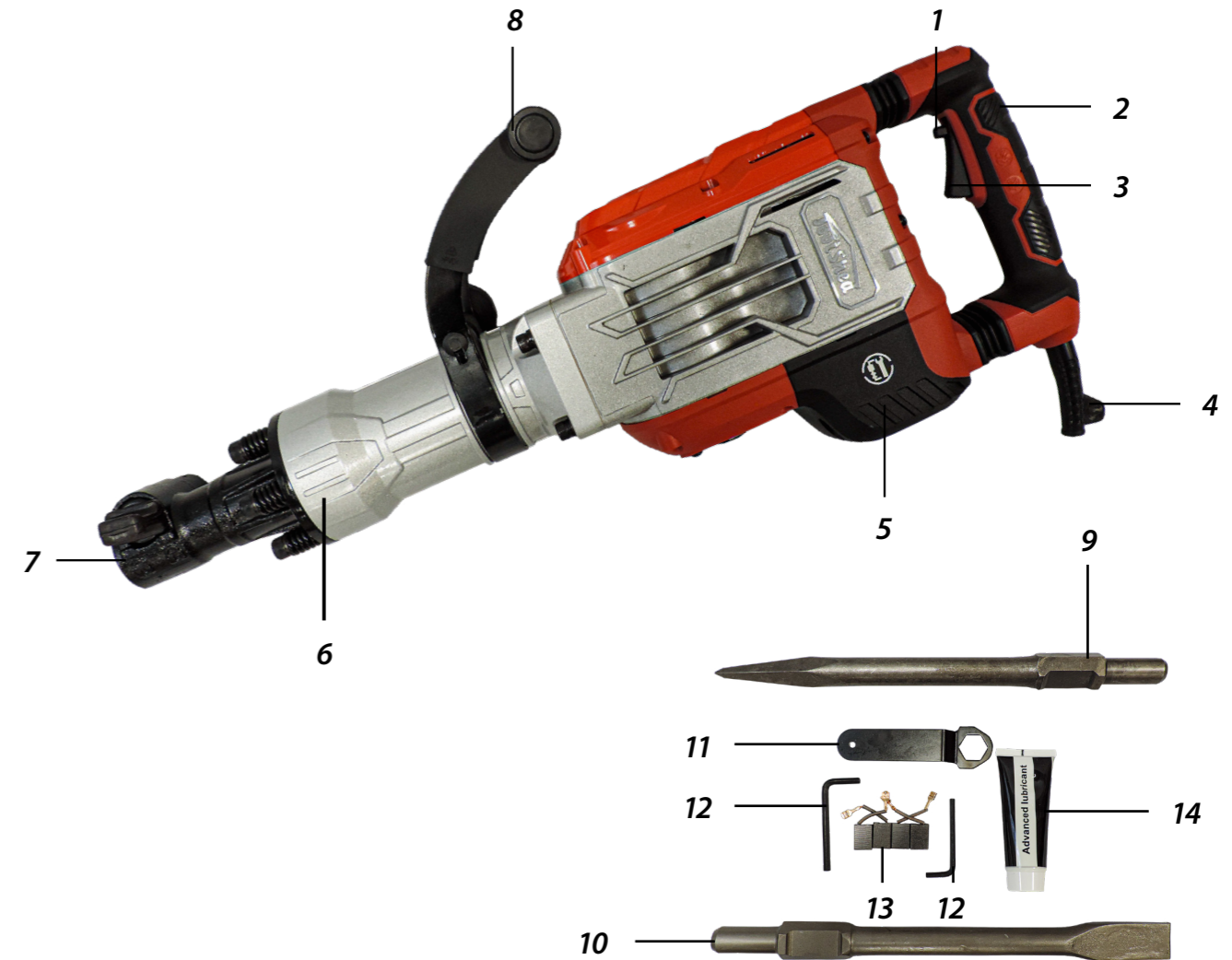
Warranty:

This product may be covered under The ToolShed warranty. For more information, see our Terms & Conditions at www.thetoolshed.co.nz

SPECIFICATIONS

Power Supply	230–240 Volts 50 Hertz
Wattage	1700 Watts
Blows per Minute	2000 BPM
Impact Power	60 Joules
Insulation Class	Class II
Bit Size	30mm Hex
Net Weight	15.5kg
Product Dimensions (LxWxH)	700 x 300 x 150mm (Without Drill Bit)

PRODUCT IDENTIFICATION



- 1 Lock Button
- 2 Anti-Vibration Ergonomic Handle
- 3 Trigger Switch
- 4 Power Cable
- 5 1700 Watt Motor
- 6 Machine Body
- 7 Chisel Lock

- 8 Ergonomic Rotatable D-Handle
- 9 30mm Point Chisel
- 10 30mm Flat Chisel
- 11 Adjustment Spanner
- 12 Allen Wrench
- 13 Replacement Carbon Brushes
- 14 Grease/Lubrication

SAFETY GUIDELINES



WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away

from moving parts in the machine, or they could become caught therein.

- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Electrical Safety

- **DO NOT use the power tool or machinery in rainy conditions or wet areas where the power tool or machinery could get wet.** Water in this power tool or machinery can lead to electric shock.
- **Only use the power tool or machinery when the plug correctly matches the power outlet.** Modifying plugs greatly increases the risk of electric shock.
- **Keep the power cord away from anything that could damage it such as sharp edges, moving parts or heat.** A damaged power cord increases the risk of electric shock.
- **Only operate outdoors with the use of an outdoor extension lead.** Not all extension leads are suited to outdoor use and using one which is not can greatly increase the risk of electric shock.
- **Avoid body contact with grounded or earthed surfaces.** Surfaces such as radiators, ranges, pipes, and refrigerators can increase the risk of electric shock due to your body being earthed or grounded.
- **Never carry the power tool by the cord, or yank the cable from the power outlet.** This can damage the internal wiring and may become a hazard.

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from The ToolShed.
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.



WARNING

Electric shock can cause serious injury or, in some cases be fatal.

SAFETY GUIDELINES

Service

- **Have your tools and machinery serviced at The ToolShed with ToolShed replacement parts.** This will ensure that the safety of the power tool or machine is maintained.



WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Demolition Hammer Specific Safety

- Wear ear protection. Prolonged exposure to noise may cause hearing loss.
- Use the extra handles supplied with the device. Loss of control may cause injury.
- Grip the tool with two hands when working and maintain a stable posture. It is always safer to operate the tool with two hands.
- Hold tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- For tasks carried out above ground level: Ensure that the area below is clear for tasks carried out above ground level.
- Ensure you maintain a healthy, stable posture, as well as firm footing at all times.
- Only work with the appropriate insertion tools. Check that the insertion tool is positioned correctly by pulling on it.
- Check the demolition breaker and the insertion tool for rust and damage before each use. Never operate the demolition breaker if it is damaged or deformed. If you identify damage, contact your nearest ToolShed for replacement parts or advice.
- Under normal operation, the tool is designed to produce vibration. The screws can come loose easily, causing a breakdown or accident. Check tightness of screws carefully before every operation.

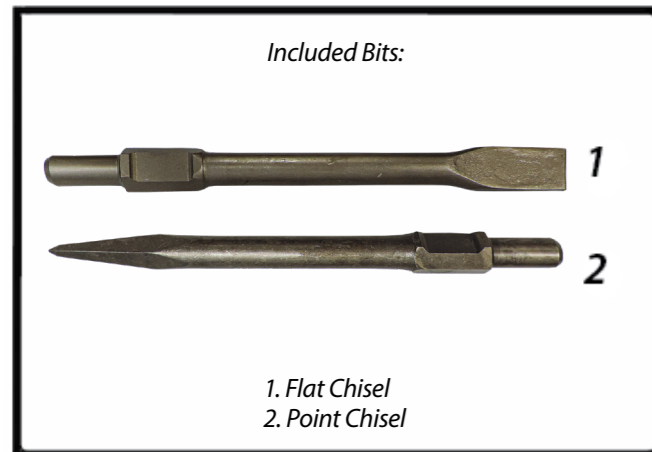
SAFETY GUIDELINES

- Reduce the dust pollution. Particles caused by working with the demolition breaker may contain materials which can cause cancer, allergic reactions, respiratory illnesses, birth defects or other reproductive damage. Some examples of these materials are: Lead, mineral dust, additives in wood treatment agents (chromate, wood protection agents), some types of wood (such as oak or beech dust), metals, asbestos.
- Wear ear protectors when using the tool for extended periods. Prolonged exposure to high intensity noise can cause hearing loss.
- Wear a hard hat (safety helmet), safety glasses and/or face shield. It is also highly recommended that you wear a dust mask and thickly padded gloves.
- Wear Steel Capped Shoes to protect your feet from the downward action of the hammer and any debris.
- Do not leave the tool running. Operate the tool only when hand-held.
- Do not point the tool at any one in the area when operating. The bit could fly out and injure someone seriously.
- Do not touch the bit or parts close to the bit immediately after operation; they may be extremely hot and could burn your skin.
- In cold weather or when the tool has not been used for a long time, let the tool warm up for a while by operating it under no load. This will loosen up the lubrication. Without proper warmup, hammering operation is difficult.
- Keep hands away from moving parts.

ASSEMBLY

Changing/Installing Bits

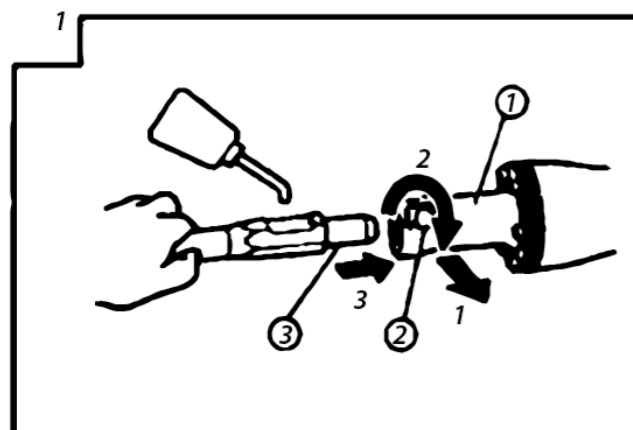
- Always ensure that the tool is switched off and unplugged before commencing any work or maintenance on the tool.
- Only use 30mm approved drill bits that are compatible this Demolition Hammer.



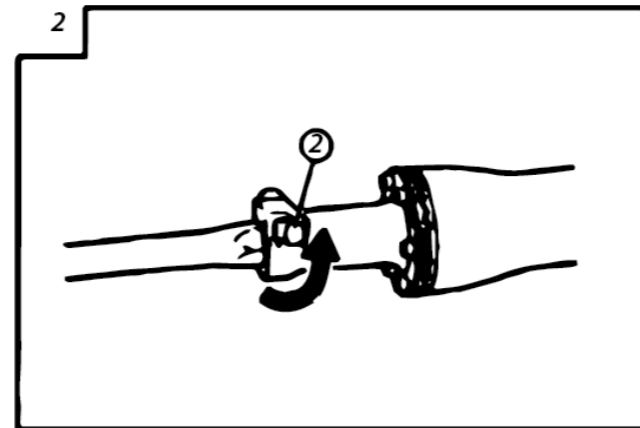
- Switch the Demolition Hammer off and ensure it is unplugged from its power supply.

Mounting (Fig.1):

- Clean the drill spindle before use and lightly oil the special imprint. Pull and turn the lock (2) 180° Clockwise.
- Insert the drill spindle (3) into the hexagonal housing of the hammer, aligning it with the slot on the locking side.



- Pull and turn the lock (2) 180° counter-clockwise to secure the bit in place. (Fig.2)
- Pull on the drill spindle to ensure that it can only move up and down in a range of 3cm maximum.



Dismantling:

- To remove a bit, proceed in the reverse order to Mounting.

Lubrication/Oil Level

- This Demolition Hammer does not require hourly or daily lubrication because it has a Grease-Packed lubrication system.
- Best practice would be to have the tool lubricated every six months by sending it to your local ToolShed for a service.
- For more information about oil and lubrication, please refer to the *Lubrication* section on page 12.

OPERATION

WARNING

Before operation, ensure that the connected network's voltage and frequency does not exceed that indicated on the tool rating plate.

Application

- This hammer has a lock-on trigger that helps reduce user fatigue and improves handling as you do not have to continually press the trigger button to operate the hammer for extended periods.
- The lock-on is enabled when the trigger is pressed, and the push-lock button on the trigger is also depressed, the trigger will stay locked in place.
- To release the lock-on, simply push the trigger once, and both buttons will unlock.

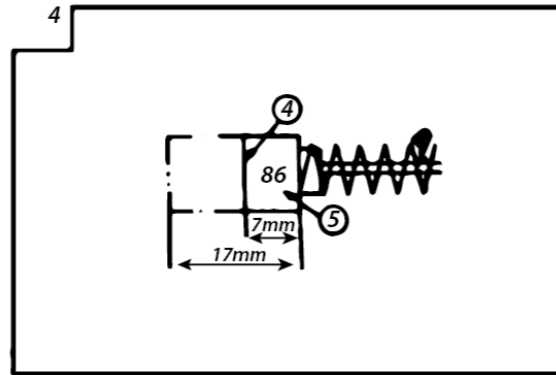


Usage

- Always ensure you are holding the tool firmly with both hands, on both handles while operating the hammer.
- This hammer has been equipped with an anti-vibration D-Handle to help reduce fatigue while operating for long periods which is easily adjustable to best suit your handling style.
- At times, it may be necessary to exert gentle pressure on the tip of the drill bit to enable the percussion system to function, as otherwise, the safety mechanism against operation without a load may activate. Use a moderate level of force; excessive force can compromise safety and efficiency.

MAINTENANCE

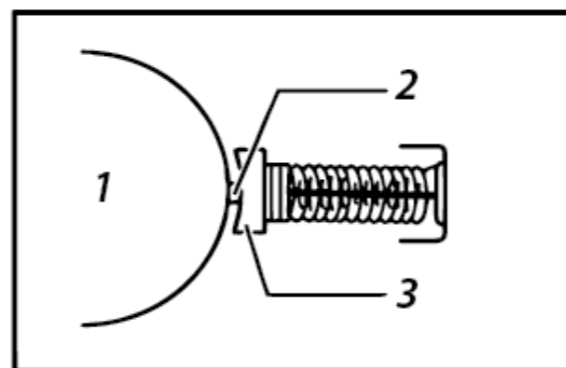
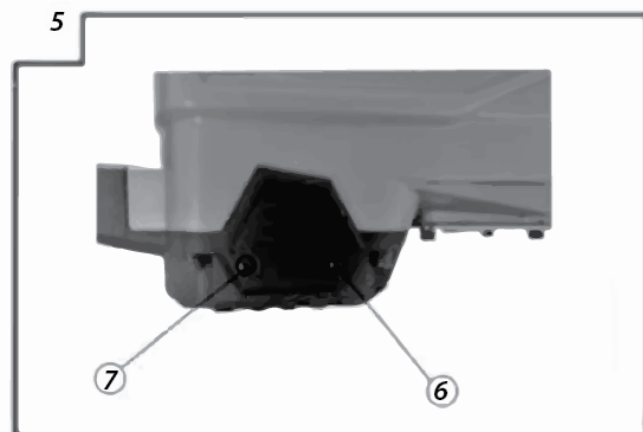
- Before cleaning or performing any maintenance, you must ensure the tool is switched off and disconnected from the power supply.
- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Check the carbon brushes of the machine in the event of excessive sparking.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your nearest ToolShed for replacements and advise.
- The carbon part should be at least 5mm long. In case of wear, or in case of excessive sparking, immediately change both Carbon Brushed with the (supplied) spare set, or of brushes of an identical nature.



Replacing the Carbon Brushes

Carbon Brushes

- Always ensure that the tool is switched off and unplugged before commencing any work or maintenance on the tool.
- Changing the Carbon Brushes of this Demolition Hammer is recommended after 50 Hours of use.
- Remove the cap cover (6).
- Remove the carbon-holder cap, and remove the brush.
- When the resin-insulated tip inside the carbon brush makes contact with the commutator, it will trigger an automatic motor shutdown. In such cases, it is necessary to replace both carbon brushes.
- Ensure that the carbon brushes are kept clean and can move freely within their holders.
- Both carbon brushes should be replaced at the same time. Only source identical brushes from your local ToolShed.

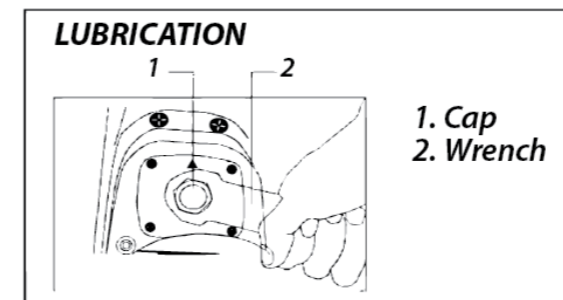


1. Commutator
2. Insulating Tip
3. Carbon Brush

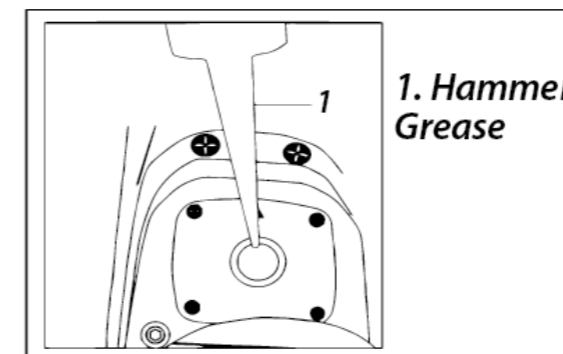
MAINTENANCE

Lubrication

- This Demolition Hammer does not require hourly or daily lubrication because it has a Grease-Packed lubrication system.
- Best practice would be to have the tool lubricated every six months by sending it to your local ToolShed for a service.
- However if you are to lubricate the tool yourself, first you should ensure that the tool is switched off and unplugged before commencing.
- Remove the Oil Cap using the supplied spanner.



- Replenish with fresh grease, approximately 60g.
- Over filling with more grease than is required can cause a faulty hammering action or potentially tool failure. Fill only with the specified amount of grease.

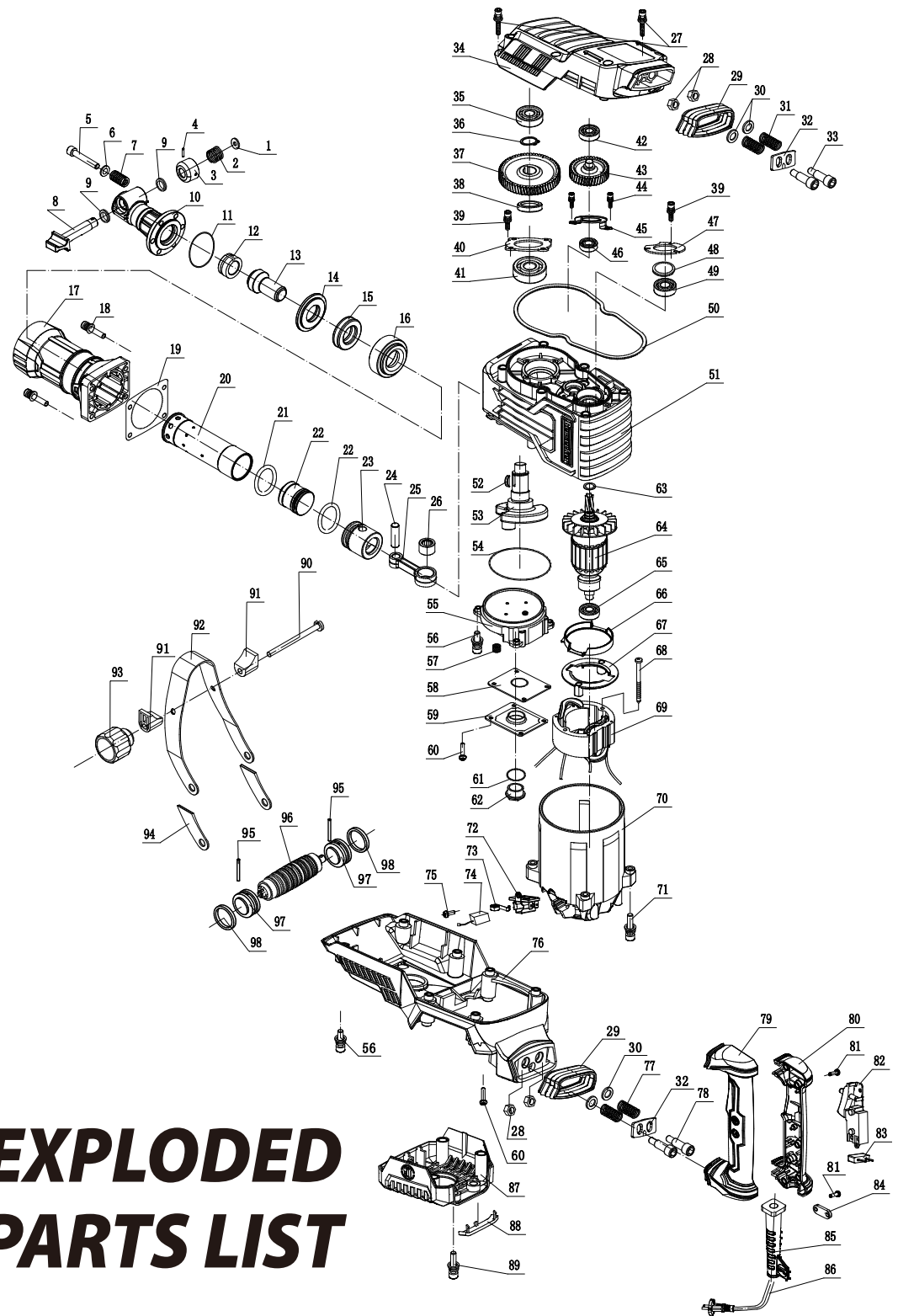


- Reinstall the cap, and secure with the provided spanner.

STORAGE

- Pull the mains plug out of the socket.
- Allow the demolition hammer to cool down completely.
- Position the demolition hammer and accessories in the travel/storage case it was supplied with.
- Store the demolition hammer in a dry, secure space that it is not accessible for children.
- Secure the demolition breaker to prevent it from slipping when transporting it in a vehicle.

1	Washer 32x17x2 X	51	Gear Box
2	Lock Rod Spring	52	Pin 4x6.5x16 X2
3	Lock Rod Cover	53	Crank Shaft
4	Pin 5x32	54	O-Ring 93.5x2
5	Inner-Hex Screw M10x65 X6	55	Oil Room
6	Flat Washer 10 X6	56	Inner-Hex Screw M5x2 X8
7	Iron Head Spring X6	57	Wool Washer
8	Lock Rod	58	Paper Washer 85A
9	O-Ring 18x8 X2	59	Oil Cover
11	O-Ring 60x2	60	Screw ST4.8x18 X6
12	Ram Hammer Cover	61	O-Ring 23x2
13	Impact Hammer Rod	62	Oil Nut 105K
14	Hammer Washer	63	Washer 17.1x24x0.5
15	Damping Washer	64	Rotor
16	Locating Seat	65	Bearing 6201
17	Cylinder Case	66	Fan Induced
18	Inner-Hex Screw M8x40 X4	67	Fan Deflector
19	Paper Plate	68	Screw ST4.8x65 X2
20	Cylinder	69	Stator
21	O-Ring 45x5 X2	70	Case
22	Hammer	71	Inner-Hex Screw M5x35 X4
23	Piston	72	Brush Holder X2
24	Piston Pin	73	Power Spring X2
25	Connecting Rod	74	Brush X2
26	Needle Bearing	75	Screw ST3.9x12 X2
27	Inner-Hex Screw M6x25 X6	76	Middle Cover
28	Hex Nut M8 X4	77	Damper Spring Φ2 X2
29	Damper Holder X2	78	Damper Screw M8x35 X2
30	Flat Washer 8 X4	79	Left Handle
31	Damper Spring Φ2.65 X2	80	Right Handle
32	Damper Board X2	81	Screw ST3.9x16 X8
33	Damper Screw X2	82	Switch
34	Gear Cover	83	Capacitance
35	Bear 6302	84	Cable Board
36	Ring 22	85	Cable Cover
37	Big Gear	86	Cable
38	Space Ring	87	Bottom
39	Inner-Hex Screw M5x16 X7	88	Damper Cover
40	Bearing Board 65A	89	Inner-Hex Screw M5x55 X4
41	Bearing 6205	90	Knob Screw M8x110
42	Bearing 6201	91	Hoop Seat X2
43	Middle Gear	92	Handle Rack
44	Inner-Hex Screw M4x12 X2	93	Knob
45	Bearing Board 26KT	94	Handle Rubber Sleeve X2
46	Bearing 6001	95	Pin 3x23 X2
47	Bearing 6203 107HA	96	Auxiliary Handle
48	Bearing Plate 29.5x39.5x2	97	Handle Shaft Sleeve X2
49	Bearing 6203 2RS	98	Handle Washer X2
50	Washer 107HA		



TSJH07 EXPLODED VIEW & PARTS LIST