Made in CHINA by / Fabriqué en CHINE par / Hergestellt in CHINA von / Gemaakt in CHINA door / Fabricado en CHINA por / Prodotto in CINA da / Fabricado na CHINA por / Vyrobené v ČINE od / Vyrobené v ČINE od / Wyprodukowane w CHINACH przez: **Varan Motors**

Imported by / Importé par / Importiert durch / Geïmporteerd door / Importado por / Importato da / Importado por / Importované spoločnosťou / Dovezeno společností / Importowane przez:

BCIE SARL
15 rue de Mensdorf,
L-5380 Uebersyren,
Luxembourg,
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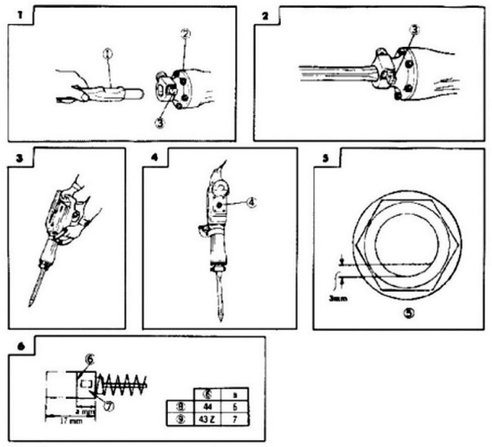
CODE	PARTS NAME	QTY	CODE	PARTS NAME	QTY
1	arresting lever	1	46	bearing 6302	1
2	six angle cylinder screws M8X30	7	47	top cover	1
3	gasket ϕ8	11	48	sticker	1
4	spring cover	1	49	six angle cylinder screws M6X45	6
5	cylindrical pin ϕ4X18	1	50	gasket ϕ6	10
6	spring	1	51	gasket ϕ6	4
7	gasket Φ13XΦ18X2.5	1	52	bearing 6201	1
8	gasket ϕ12.5X ϕ18X1.5	1	53	65 small gear	1
9	Iron head	1	54	bearing 6001 (ABS)	1
10	bumper (small)	1	55	6203 bearing cover (3–hole)	1
11	O style gasket ϕ23.5X ϕ5.2	1	56	6203bearing gasket ϕ29.5X ϕ40X2.5	1
12	Drill shank sleeve	1	57	bearing 6203	1
13	plastic cover	1	58	armature	1
14	broken ring	1	59	fan shroud	1
15	gasket ϕ57.5X ϕ68.5X2	1	60	six angle cylinder screws M5X60	2
16	bumper (big)	1	61	spring gasket ϕ5	2
17	rubber handle	1	62	stator	1
18	locknut M8	2	63	tension spring	2
19	front handle clamp	1	64	safty gasket	2
20	front handle holder	1	65	gear box	1
21	handle lever	1	66	oil bowl gasket	1
22	splitpin	2	67	oil bowl	1
23	front pocket	1	68	Cross countersunk screws M4X12	9
24	six angle cylinder screws M8X40	4	69	oil core	1
25	gasket ϕ8	4	70	brush cover	2
26	gasket ring ϕ62X ϕ2	1	71	brush gasket	2
27	six angle cylinder screws M8X16	2	72	brush cover	2
28	cylinder	1	73	carton brush	2
29	piston ring	1	74	brush holder	2
30	piston pin	1	75	six angle tack screws M5X8	2
31	piston	1	76	rear cover	1
32	connecting rod	1	77	six angle cylinder screws M5x14	13
33	eccentric shaft gasket (5 holes)	1	78	oil–lid gasket (asbestos)	1
34	bearingNK1820	1	79	oil–lid	1
35	cylindrical pin ϕ5X12	2	80	oil–hole gasket ring ϕ20.5X ϕ2	1
36	eccentric shaft	1	81	oil hole	1
37	woodruff key 4X6.5X16	2	82	handle cover	1
38	six angle cylinder screws M5x14	13	83	cross tapping screw ST4X16	6
39	6205bearing cover (4–hole)	1	84	switch	1
40	bearing6205	1	85	main handle	1
41	7–hole gasket	1	86	six angle cylinder screws M6X25	4
42	middle cover	1	87	Pressing line plate	1
43	range ring	1	88	cable cover	1
44	big gear	1	89	cable	1
45	snap spring ϕ22	1			

ELECTRIC JACK HAMMER

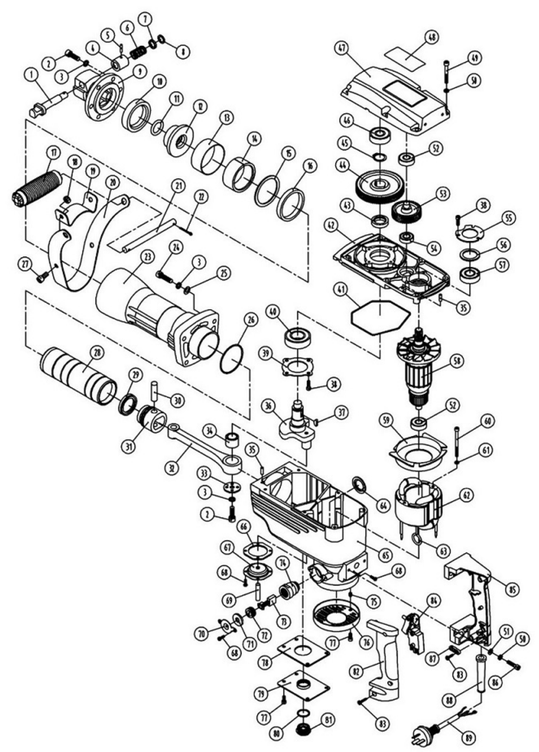
Handling instructions

Model:NEDB-01

Read through carefully and understand these instructions before use



	English
①	Hold the tool with its flatted part directed upward.
②	Front cover
③	Stop lever
④	Oil gauge Check the oil quantity by holding the body upright.
⑤	Resupply oil when the oil level drops to less than approx. 3mm.
⑥	Wear limit
⑦	No. of carbon brush
⑧	Usual carbon brush
⑨	Auto-stop carbon brush



MAINTENANCE AND INSPECTION

1. Inspecting the tool
Since use of a dull tool will cause motor malfunctioning and degraded efficiently, when it or replace with a new one without delay when abrasion is noted.

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

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

4. Inspecting the carbon brushes (Fig.6)
The motor employs carbon brushes which are consumable parts. When they become worn to or near" wear limit", it could result in motor trouble .When an auto-stop carbon brush is equipped, the motor will stop automatically. At that time, replace both carbon brushes with new ones which have the same carbon brush Nosy, shown in the figure.In addition always keep carbon brushes clean andensure that they slide freely within the Brush holders. Replacement steps The carbon brush can be removed by removing the cap cover, cap rubber and brush cap in that Order at the interior.

Note:
Due to continuing program of research and development, the specifications herein are subject to change without prior notice.

GENERAL OPERATIONAL PRECATIONS

1. Keep work area clean. Cluttered areas and benchesinvite injuries.
2. Consider work area environment. Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well it. Keep work area well it. Don't use tool in presence of flammable liquids or gases. Power tools produce spark during operation. They also spark when switching ON/OFF. Never use power tools in dangerous sites containing lacquer, paint, benzene, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.
3. Guard against electric shock .Prevent body contactwith grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
4. Keep children away. Do not let visitors should be kept away from work area?
5. Store idle tools. When not in use, tools should be stored in dry and high or locked-up place out of reach of children.
6. Don't force tool. It will do the job better and safer At the rate for which it was intended.
7. Use right tool. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use Tool for purpose not intended. For example: don't use circular saw for cutting tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. Use safety glasses. Also use face or dust mask if cutting operation is dusty.
10. Does not abuse cord? Never carry tool by cord or yank it to disconnect from receptacle. Keep cord fro heat, oil receptacle. Keep cord fro heat,oil and sharp edges.
11. Secure work. Use clamps or a vise to hold work. It is safer than using your hand and it frees both hands to operate tool.
12. Do not overreach. Keep proper footing and balance at all times.
13. Maintain tools with care .Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changin accessories. Inspect extension cords periodically and replace if dameged. Keep handles dry, clean, and free from oil and grease.
14. Disconnect tools. When not in use, before servicing, and when changing accessories. Such as blades, bits, cutters.
15. Remove adjusting keys and wrenches. From habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. Avoid unintentional starting. Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging on.
17. Outdoor use extension cords. When tools used outdoors, use only extension cords intended for use outdoors and so marked.
18. Stay alert. Watch what you are doing. Use common sense/ Do not operate tool when you are Tired.
19. Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
20. Do not use power tools for applications other than those specified in the Handling Instructions.
21. To ensure the designed operational integrity of power tools, do not remove installed covers or Screw.
22. Do not touch movable parts or accessories unles the power source has been disconnected.
23. Use your tool at lower input than specified on the nameplate, other , the ifiish may be spoiled and working efficiency reduced due to motor overload.
24. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzene, carbon tetrachloride, alcohol, ammonia and oil containing chloric annex may damage and crack plastic parts. Do not wipe them with such solvent. Wipe plastic parts with such solvent. Wipe plastic parts with a soft cloth lightly dampened with soapy water.
25. Consult an authorized Service Agent in the event of power tool failure.
26. Use only original replacement parts.
27. This tool should only be disassembled for replacement of carbon brushes.

PRECAUTIONS ON USING HAMMER

1. Wear protective glasses to protect your eyes.
2. Wear a mask when turning your head upward.
3. Use earplugs to keep your ears noise-free while working.
4. Properly set the bit holder.
5. Since the bit becomes very hot during operation, exercise extremes very hot .
6. Be sure to use side handle.
7. Safe operation depends on one's table posture .
8. At the start of work, confirm the oil supply and screw tightening.
9. When working at a highly elevated location, pay attention to articles and persons below.
10. Before starting breaking or chipping a wall, floor, or ceiling, thoroughly confirm that no items Such as an electric cable or conduit are buried inside.
11. Wear protective shoed to protect your feet.

SPECIFICATION

Voltage(by areas)*	110–240V~
Input*	1700W
Full-Load Impact Ratew	1450r/min
Weight(without cord)	17kg

Be sure to check the nameplate on product at it is subject to change by area

STANDARD ACCESSORIES

(1)Steel Case 1
(2)Bull Point (Total Length 410mm) 1
(3)Oil Feeder 1
(4)Hexagon Bar Wrench.....2
(5)Wrench.....1
Standard accessories are subject to change without notice.

OPTIONAL ACCESSORIES (sold separately)

*Cutter (for crushing asphalt)

Total length: 410mm
Width: 75mm
Code No: 944964

*Cold Chisel (for grooving and squaring)

Total length: 410mm
Code No: 944962

Rammer (for tamping sand and gravel)

Rammer+ Shank
Rammer
Out diameter: 200mm
Code No: 944965
Shank
Total length: 250mm
Code No: 944966

*Scoop (for digging ground in various foundation works)

Total length: 410mm
Code No: 944967

Electric Hammer Oil (one liter)
（Code No.955009）
Optional accessories are subject to change without notice.

APPLICATIONS

*Crushing concrete, chipping, digging, and squaring.
(Application Examples)
Installation of piping and wiring, sanitary facility installation, machinery installation, water supply and drainage work, interior jobs, harbor facilities and other civil engineering work.

PRIOR TO OPERATION

1. Power source
Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. Rounding
This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with a three conductor cord and grounding type pug to fit the proper grounding type receptacle. The green (or green and yellow) wire to a live terminal.
3. Power switch
Ensure that the power switch in the OFF position. If the plug is connected to a power receptacle while the power tool wile start operating immediately, inviting serious accident.
4. Extensional cord
When the work area is removed form the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.
5. Feeding oil (refer to the paragraph on oil feeding)
Prior to using the power toll, remove the oil gauge and do not fail the oil tank with the provided oil. (Although the oil tank is built in, it contains only a small volume of oil when shipped from the Works.)
6. Mounting a tool
Note：When handling bull point, cold chisel and other accessories, standard tools are recommended for better operation.
(1) Rotate the stop lever 180 degree in a clockwise direction while pulling it toward you. Next, insert the tool shank into the hexagonal hole on the front cover. (Fig.1)
(2) Clamp the tool by turning the stop lever half a turn in the opposite direction (Fig.2)

(Note) When removing the tools. Follow the about procedure in reverse order.

HOW TO USE THE HAMMER (Fig. 3)

1. After placing the tip of in the base hole. Switch ON.
In some cases. It is necessary to punch the up of the bit against the crushing position forcibly in order to begin the striking stoke.
This is not due to malfunction of the tool. It means that the safe guard mechanism against no-load striking is working.
2. By utilizing the weight of the machine and by firmly holding the hammer with both hands, one can effectively control the subsequent recoil motion.
Preceed at a moderate mark-rate, the use of too much force will impair efficiency.
Caution: Sometimes the tool does not begin the striking stroke even when the motor rotates because the oil has become Thick.
If the tool is used at low temperatures or if it is used running in for five minutes in order to warm it up.

OIL FEEDING

Caution: prior to oil feeding, always disconnect the plug from the power supply receptacle.Since an oil chamber is built in this Electric Hammer, it can be used for approximately 20days without supplying lubricating oil, assuming that the Hammer is used continuously 3~4 hours daily.
Feed oil into the oil tank as described below before using this Hammer. (See Figs. 4 and 5)
1. Just before no oil is visible in the oil gauge windows when the device is held upright, feed oil to warm it up.
2. Before feeding oil, use the provided wrench to remove the oil gauge.Be careful not to lose the rubber packing attached below the oil gauge.
3. Check the oil level once daily, confirming that oil is filled.
4. After feeding oil, securely clamp the oil gauge.

Note: As an optional accessory, oil for the Electric Hammer (one liter) is sold separately .Use this oil when oil when oil in the tank is depleted.Shell Oil Co.ROTELLA #40 (engine oil ） can also be used. This oil is sold as Shell fillingstations most anywhere.