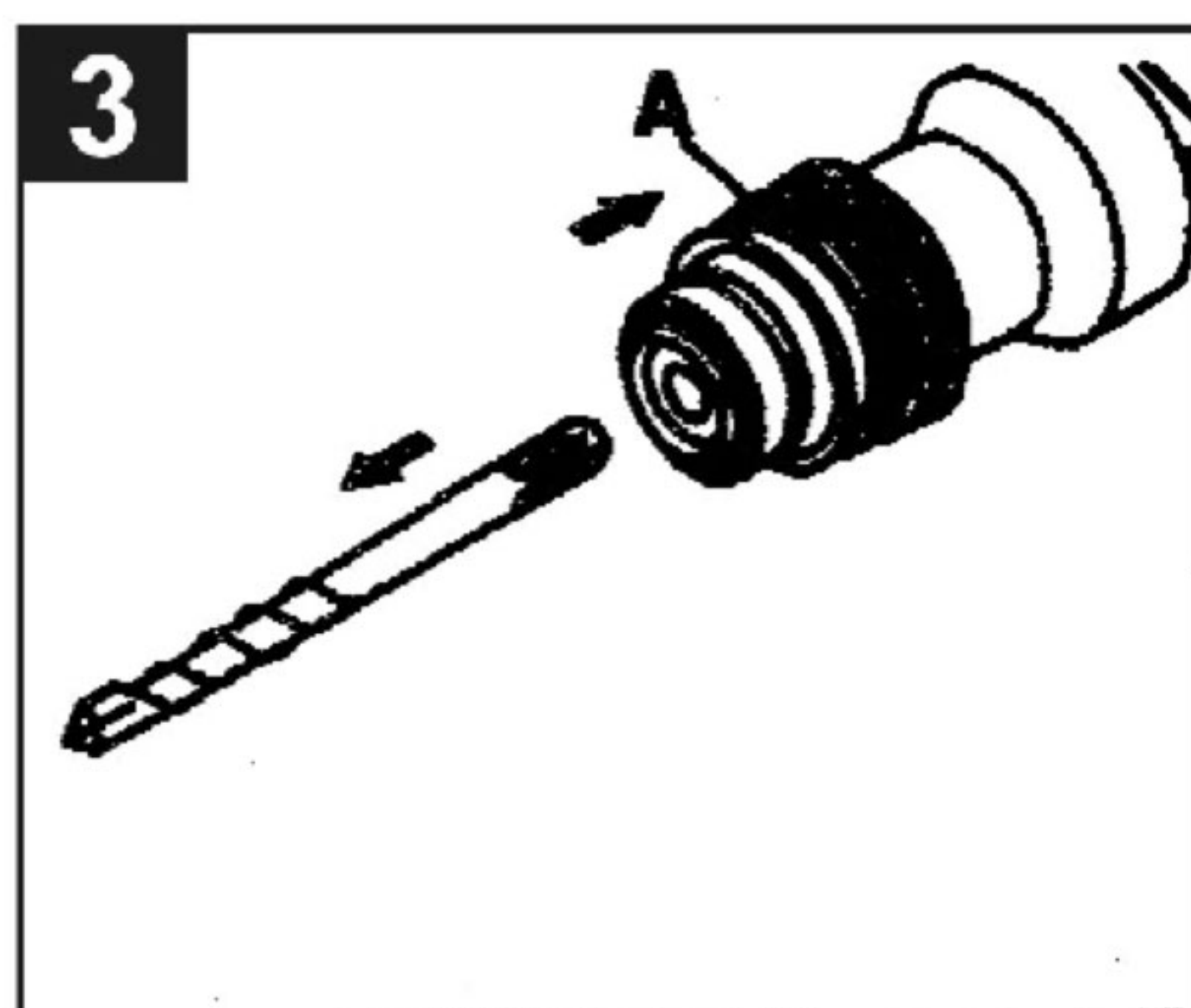
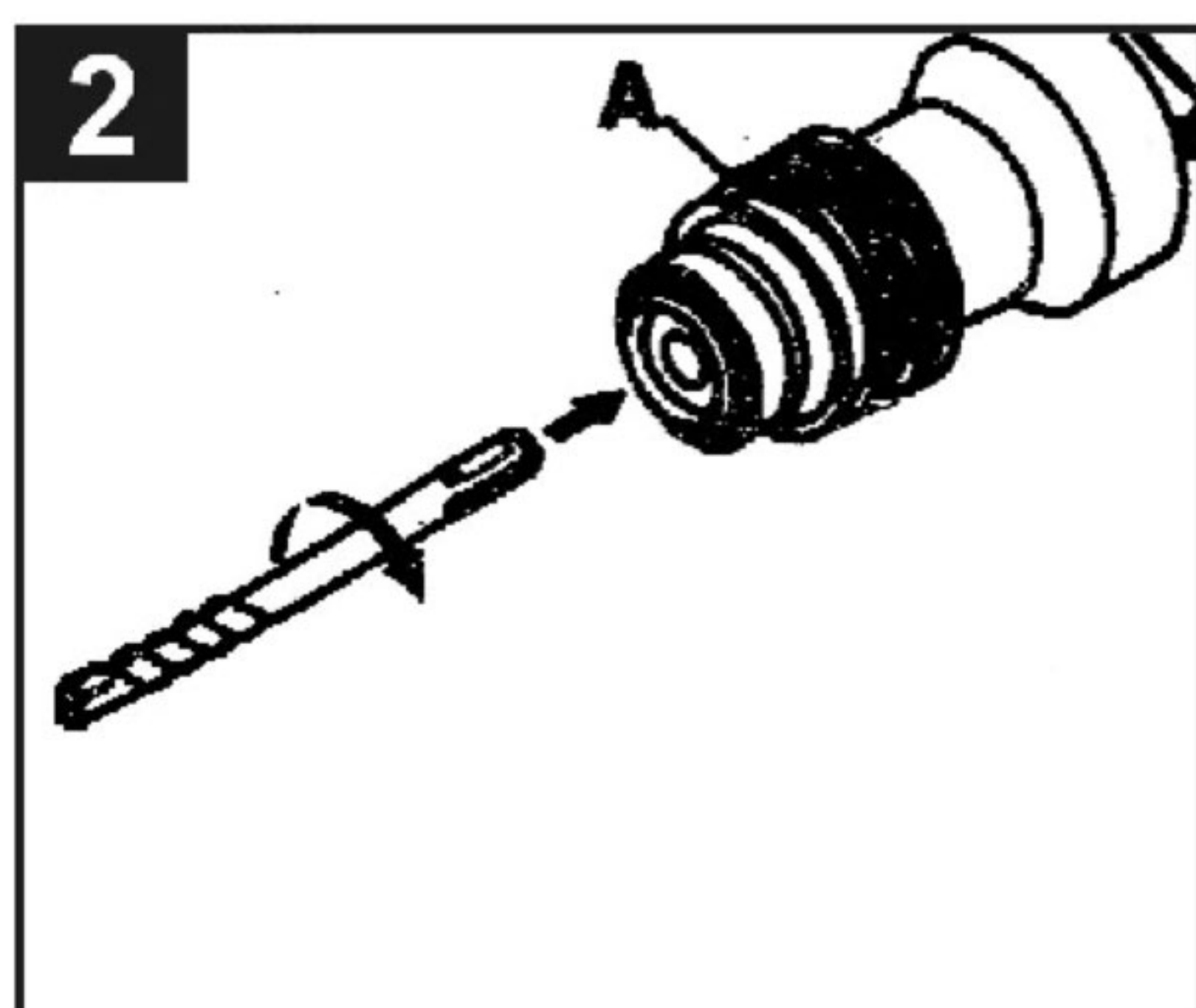


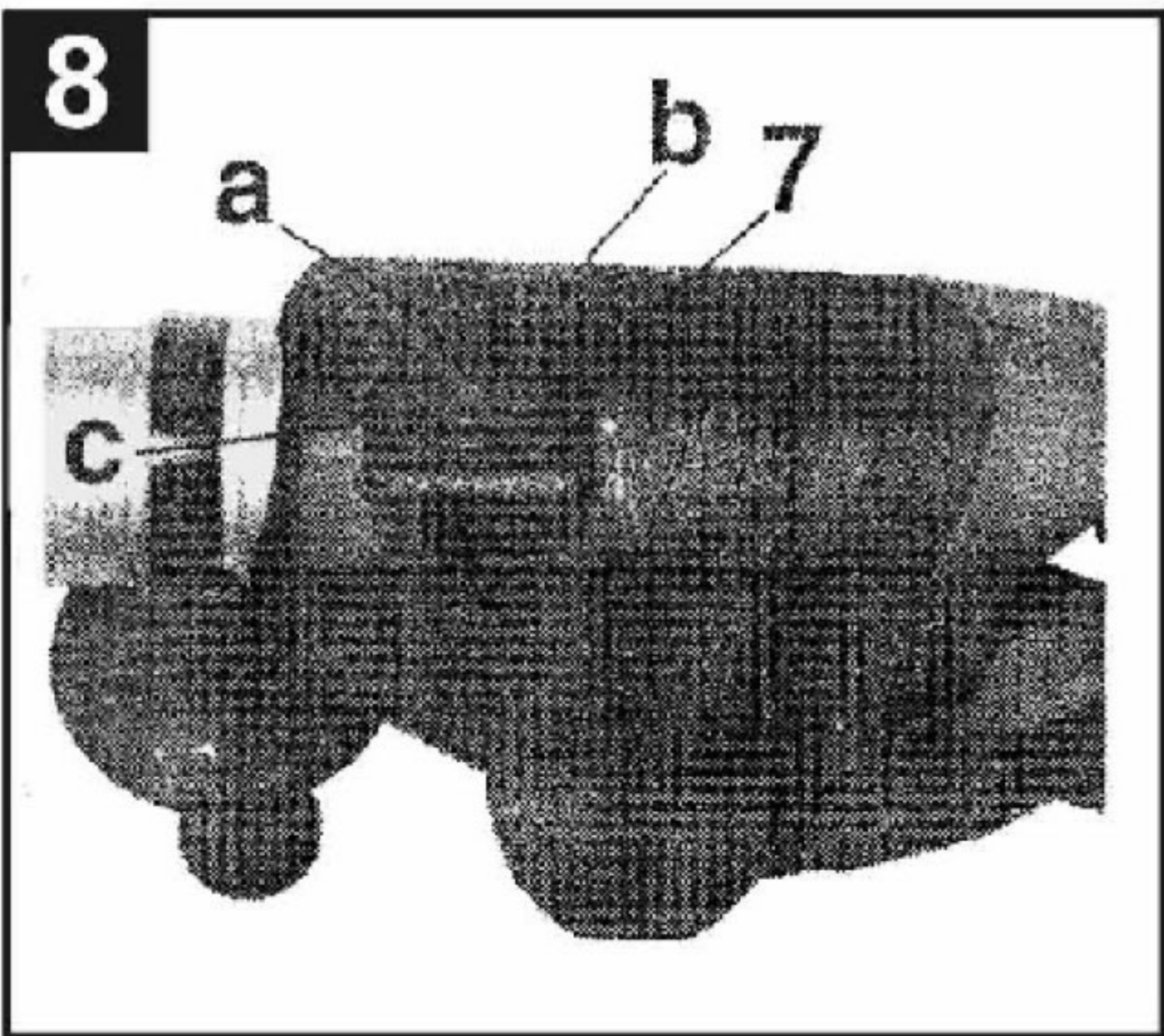
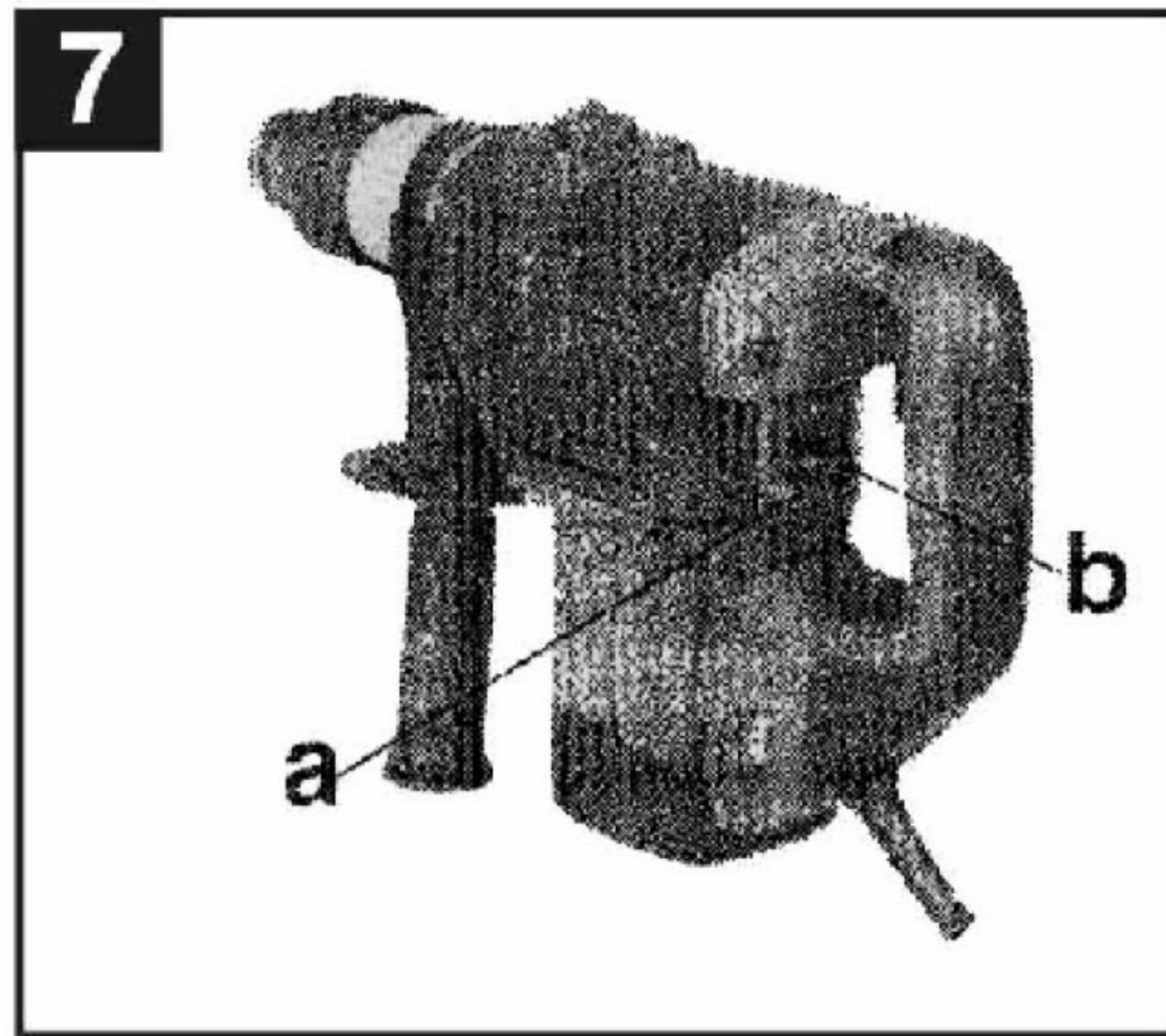
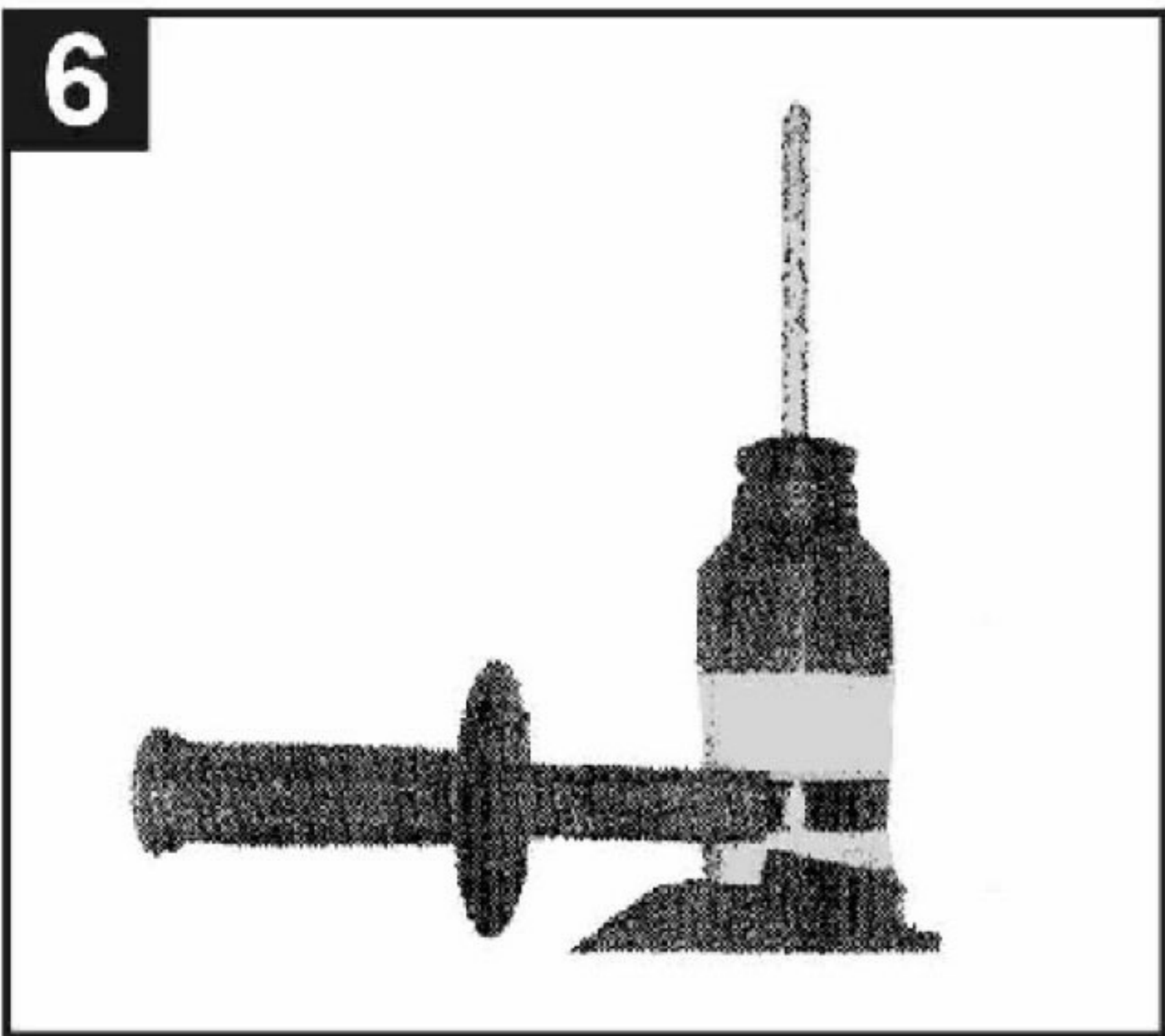
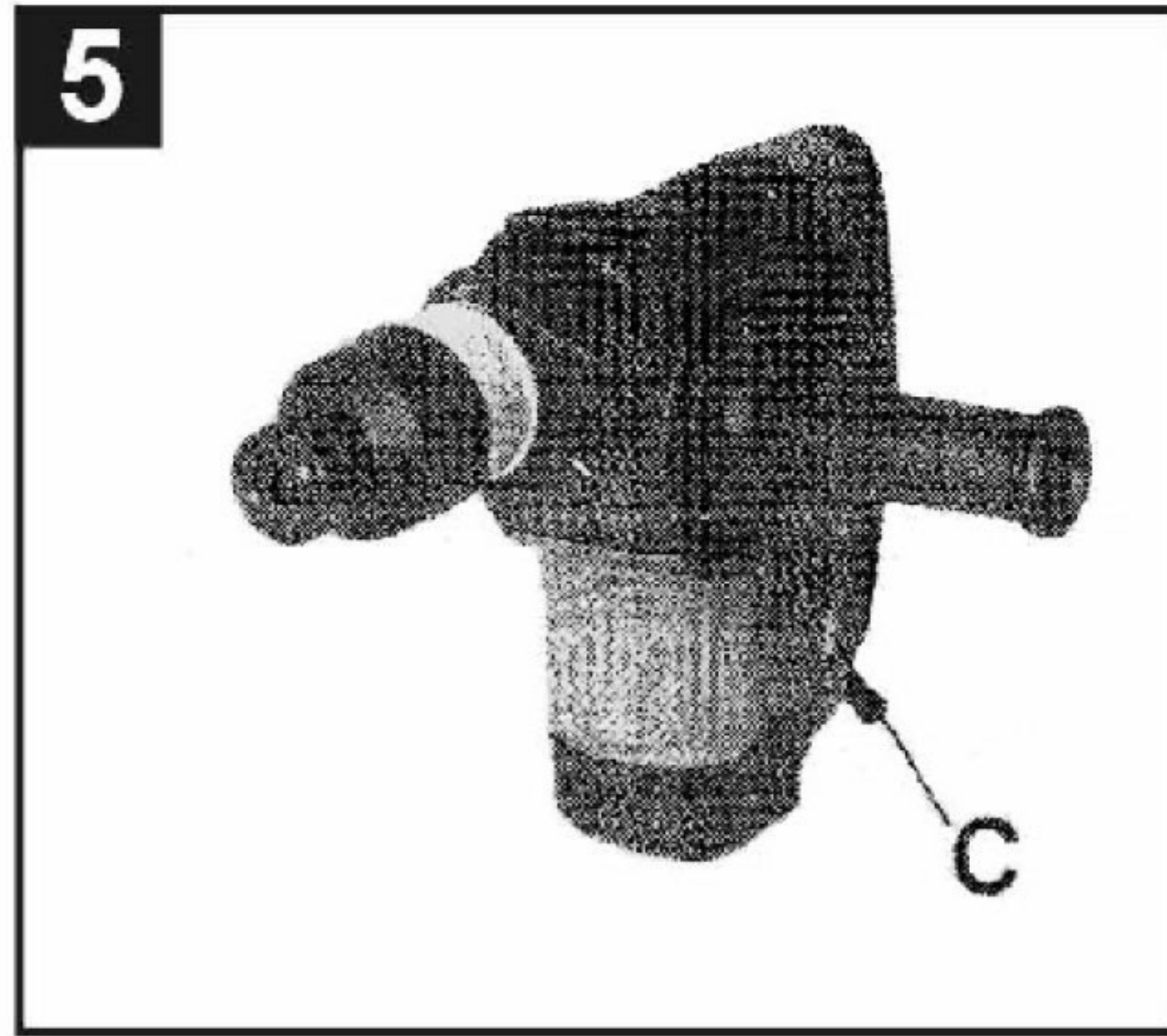
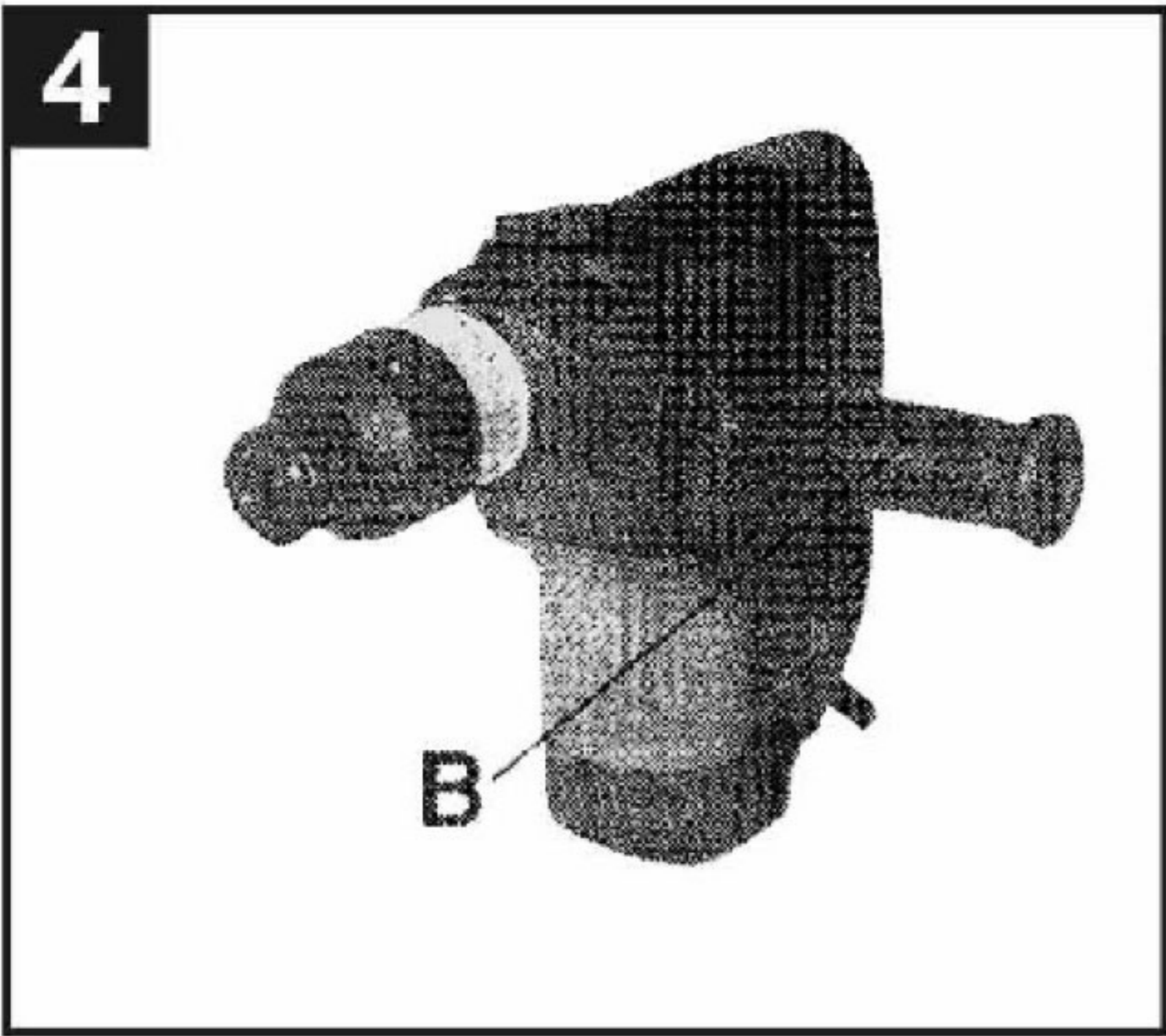
ROTARY HAMMER

USER'S MANUAL

Please read this instructions before use







1. Description (Fig. 1)

- 1 Dust guard
- 2 Fastening sleeve
- 3 On-Off switch
- 4 Handle attachment
- 5 Speed control
- 6 Hammer stop
- 7 Drill stop

2. Items Supplied

- Case
- Hammer Drill
- Auxiliary handle
- Dust cap

3. Technical data

Voltage:	110V ~ 60Hz
Power Consumption:	1100W
Idle Speed:	0-780 min ⁻¹
Number of Impacts:	3000 min ⁻¹
Drilling Performance (max.)	concrete/stone 32mm
Weight:	5.80 kg
Vibration Level:	12.8m/s ²
Sound intensity level:	112 dB (A)
Acoustic capacity level:	99 dB (A)
Protection class:	□ / II

Noise and vibration values measured according to EN 50144.

4. Safety regulations

Important! to protect yourself from the risk of electric shock, injury and fire when using an electric tool, it is imperative to take the following basic safety precautions. Read and note these instructions before you use the machine.

- Check the voltage (volt) marked on the rating plate.
- When using cable drums, run all the cable off the drum. Minimum conductor cross section: 1.0mm²
- When using the electric hammer drill outdoors, connect to the power supply with a type H07RN-F 3G1.5mm² extension cable and rain-water-protected plugs in proper working order.
- Make sure of your footing on ladders and scaffolding when drilling free handed.
- Use a line detector to localize lines in walls with concealed electric, water or gasolines. Avoid touching live components or connectors.
- Wear ear muffs to protect your hearing. Loss of hearing can be a gradual process!
- Wear goggles and use a dust mask on jobs generating dust.
- Do not use in areas where there are vapours or flammable liquids.
- Always pull the plug out of the socket before cleaning or making changes to the machine. Protect the power cable from damage. Oil and acid can damage the cable.
- Never overload the machine.
- Secure all workpieces sufficiently.
- Important! It is imperative to follow all national safety regulations concerning installation, operation and maintenance.
- Chisel bits and drill bits may be flung out of the machine accidentally and cause serious injury.
- Before starting to work, always check that the chisel or drill bit is properly locked in the chuck.
- Examine the chuck regularly for signs of wear or damage.
- Never start up a hammer tool until it pressed against a workpiece (wall, ceiling, etc.).
- When you are finished, unplug the hammer drill from the electric supply and remove the chisel or drill bit from the machine.
- Always disconnect the hammer drill from the electric supply before you change a chisel or drill bit.
- Protect your eyes and other workers from flying particles and splinters. Wear a helmet! Set up partition walls!
- Wear work gloves to protect fingers from bruising and grazing.
- Vibrations can injure the hand-arm system. Keep exposure to vibrations as short as possible.
- Always lead the mains cable away backwards from the device.
- Store the device where it is in accessible to children.
- When carrying out work, always hold the device with both hands and ensure that you have a stable standing position.

You will find further safety instructions for electric tools in the enclosed booklet.

5. Before starting work

- Examine the place where the device is to be used for hidden electrical cables, gas and water pipe using a pipe finding device.
- Before connecting to the mains, ensure care that the mains voltage corresponds to the details on the rating plate.

5.1 Fitting and changing tools (Fig. 2)

The device is equipped with a SDS-plus attachment system.

- Clean tools and grease with a thin layer of machine grease before fitting.
- Pull back fastening sleeve (A Fig. 2) and hold.
- Push and rotate the dust-free tool into the tool holder as far as it will go. The tool will lock automatically.
- Check that it has locked by pulling the tool.

5.2 Removing SDS-plus tool (Fig. 3)

Pull back fastening sleeve (A), hold and remove tool.

6. Starting work (Fig. 1)

6.1 Switching ON/OFF

- Switching on: Press the operating switch (3).
- Switching off: Press the operating switch (3) briefly and let go.

6.2 handle attachment (Fig. 4)

For reasons of safety, only use the hammer drill with handle attachment.

You will be able to obtain a safe body position when working by rotating the handle attachment. Loosen and turn the handle attachment in an anticlockwise direction. Then tighten the handle attachment.

6.3 Speed control (Fig. 5)

Adjust the rotate speed and impact number through revolving the adjusting dial. It marks min the lowest speed to max top speed on the dial.

6.4 Dust collection device (Fig. 6)

Before carrying out hammer drilling work vertically overhead pull dust collecting device over the drill bit.

6.5 Hammer stop (Fig. 7)

Your hammer drill is equipped with a hammer stop facility for smooth drilling.

To deactivate the hammer action, turn the lever switch (7) clockwise to position IT

To reactivate the hammer action, the lever switch (7) has to be reset to position IT.

6.6 Drill stop (Fig. 8)

You can deactivate the drilling action of the hammer drill when using it for chiselling work.

To do so, turn the lever selector (6) to the mark T that coincides with the arrow on the machine case. To reactivate the drilling action, the lever selector (6) has to be reset to the mark IT coincides with the arrow.

Important!

When hammer drilling you will require a low pressure. Too much pressure will place unnecessary load on the motor. Check the drill bits regularly. Re-sharpen or replace blunt drill bits.

7. Maintenance

- Remove the mains plug from the socket before carrying out any work on the device.
- Keep your machine clean at all times.
- Never use caustic agents to clean the plastic parts.
- At the end of your work, to prevent dust deposits you should use compressed air (max. 3 bar) to clean out the ventilation slots.
- Check the carbon brushes regularly (dirty or worn carbon brushes result in excessive sparking and speed faults).

8. Ordering replacement parts

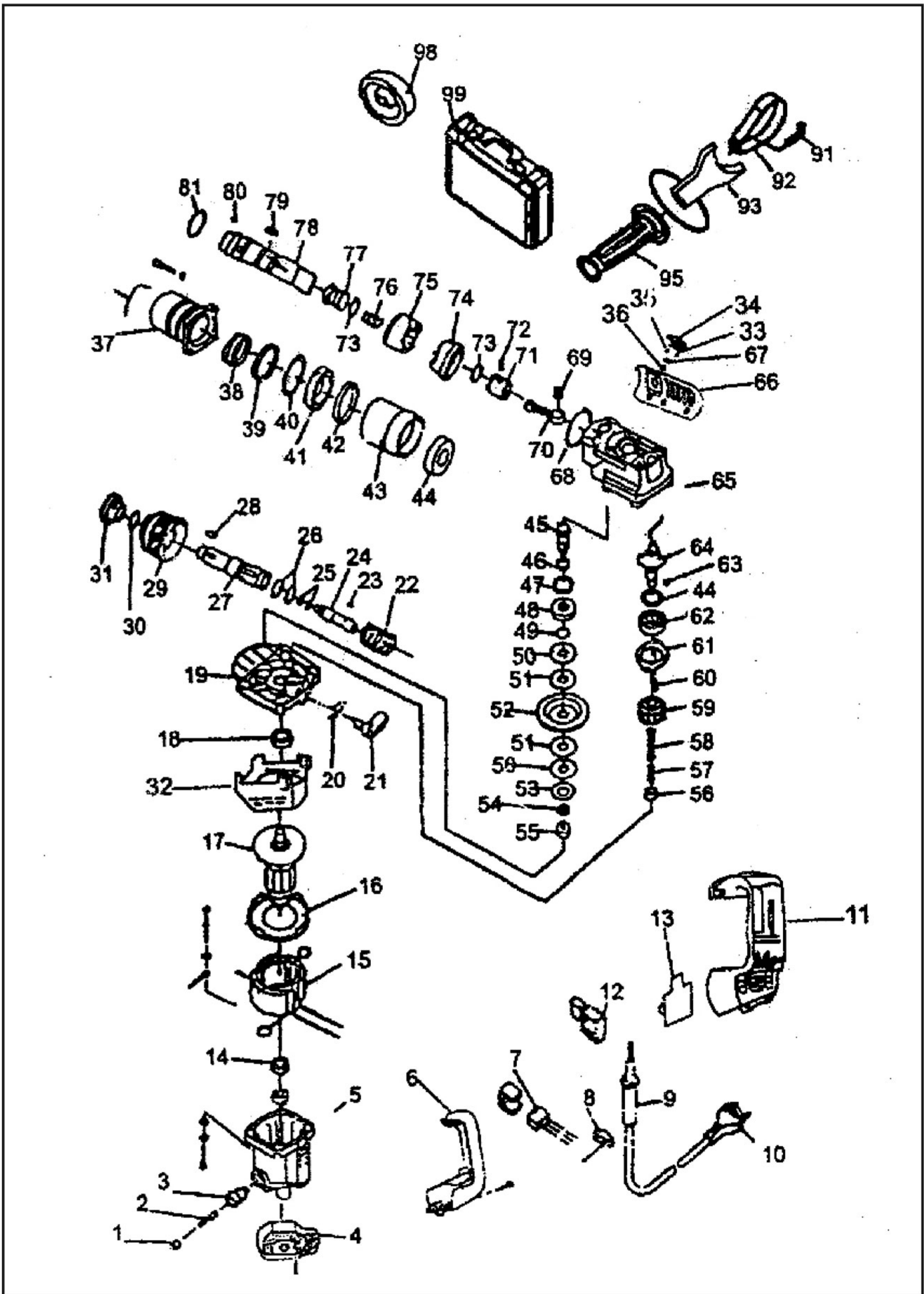
Please quote the following data when ordering replacement parts:

Type of machine

Article number of the machine

Identification number of the machine

Replacement part number of the part required



1	Brush Carrier	24	Mallet
2	Carbon Brush	25	O-Shape Seal
3	Brush Holder	26	O-Shape Seal
4	Rear Cover	27	Spin Sleeve
5	Housing	28	D-Shape Rubber Seal
6	Handle Of Left Part	29	Spring
7	Bushing	30	O-Shape Seal
8	Capacitor	31	Front Cover
9	Cable Guard	32	Aluminum Housing
10	Flange	33	Ø 5 Steel Ball
11	Handle Of Right Part	34	Wheel Button
12	Switch	35	Spring
13	Speed Control Switch	36	Keep Ring
14	Bearing	37	Outer Sleeve
15	Stator	38	Screw Cap
16	Deflector	39	O-Shape Seal
17	Armature	40	Washer
18	Bearing	41	Bearing
19	Middle Cover	42	Distance Ring
20	Distance Ring	43	Distance Bushing
21	Below Wheel Button	44	Bearing Cap
22	Spring	45	Cone-Gear Driver
23	Ø7 Steel Ball	46	Rubber Seal

47	Bearing	70	Piston Pin
48	Washer	71	Piston
49	Washer	72	O-Shape Seal
50	Friction Sheet	73	Cone Gear
51	No. 2 Gear	74	Clutch
52	Spring Washer	75	Spring
53	Ball Bolt	76	Impact Body
54	Bearing	77	Flat Key
55	Sliding Needle Bearing	78	Cylinder
56	Washer	79	Steel Ball
57	Small Armature	80	O-Shape Ring
58	Gear	81	Square Head Bolt
59	Spring Washer	82	Hoop
60	Distance Ring	83	Handle Support
61	Bearing	84	Auxiliary Handle
62	Key	85	Dust Shield
63	Centrifugal Axis	86	Toolbox
64	Gear Box	87	
65	Cover	88	
66	O-Shape Ring	89	
67	O-Shape Ring	90	
68	Sliding Needle Bearing	91	
69	Piston Rod	92	

