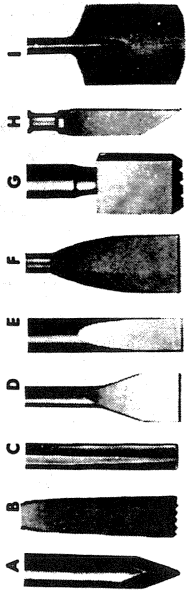


HAMMER TOOLS



STAR DRILLS



For 1/4" to 1" hole sizes (Taper "A" Shank). Use with 1/2" and 1" Hammers. Can also be used with 1 1/2" Hammer, (requires an extra Chuck Wrench No. 22749).

Cat. No.	Point Diam.	Over-all Lgth.	Qty. in box	Cat. No.	Point Diam.	Over-all Lgth.	Qty. in box
7167	1/4"	5"	6	7162	5/16"	9"	6
7168	5/16"	5"	6	7171	3/8"	18"	1
7169	7/16"	5"	6	7163	11/16"	9"	6
7181	1/2"	5"	6	9380	3/4"	18"	1
9384	3/4"	9"	1	90058	7/8"	24"	1
7170	9/16"	9"	6	90062	1"	9"	6

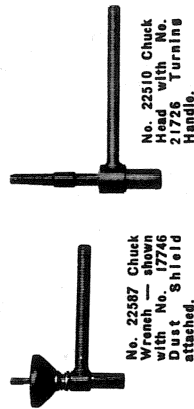
For 11/16" to 1 1/2" hole sizes (Taper "B" Shank). Mainly for use with 1 1/2" Hammer. Can also be used with 1" Hammer (requires additional Chuck Wrench No. 23806).

24873	11/16"	9"	6	7173	15/16"	9"	6
23081	3/4"	9"	6	7096	1"	18"	9
23082	3/4"	18"	1	9396	1"	24"	1
23083	3/4"	24"	1	9398	1 1/8"	24"	1
7172	13/16"	9"	6	10751	1 1/8"	12"	6
7087	7/8"	9"	6	10881	1 1/8"	24"	1
9388	7/8"	18"	1	90065	1 1/8"	14"	1
9390	7/8"	24"	1	90069	1 1/2"	14"	1

For 1/4" to 2" hole sizes (Shank No. 2). Use with 1 1/2" hammers. Requires additional Turning Handle No. 21726.

21942	1 1/4"	18"	1	21947	1 1/2"	30"	1
21943	1 1/4"	30"	1	21948	1 3/4"	18"	1
21944	1 3/8"	18"	1	21950	2"	18"	1
21946	1 1/2"	18"	1	21951	2"	30"	1

CHUCK WRENCHES, HEAD & TURNING HANDLE



No. 22587 Chuck Wrench — shown with No. 17746 Dust Shield attached.

No. 22510 Chuck Head with No. 21726 Turning Handle.

Cat. No.	Item	Shank No.	Takes Taper	Use with Hammer
22597	Chuck Wrench	1	A	1/2" & 1"
23806	Chuck Wrench	1	B	1/2" & 1"
22748	Chuck Wrench	2	A	1 1/2"
22754	Chuck Wrench	2	B	1 1/2"
22510	Chuck Head	2	B	1 1/2"
21726	Turning Handle*			1 1/2"

SAFETY RULES FOR POWER TOOLS

- KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tool in damp or wet locations. And keep work area well lit.
- KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
- STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place—out of reach of children.
- DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
- WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- USE SAFETY GLASSES with most tools.** Also face or dust mask if cutting operation is dusty.
- DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- DON'T OVERREACH.** Keep proper footing and balance at all times.
- MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
- REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
- OUTDOOR USE EXTENSION CORDS.**—When tool is used outdoors, use only extension cords suitable for use outdoors and so marked.
- DO NOT OPERATE** portable electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

ADDITIONAL SAFETY RULES WHEN USING HAMMERS

- Wear safety goggles or other eye protection.
- Wear ear protectors when hammering for extended periods.
- Always lock the tool retainer before using Hammer.
- Don't overreach with the Hammer. Maintain a firm, balanced working stance. When necessary, use only properly positioned, safe platforms, ladders and scaffolds, to do the job SAFELY!
- Hammer bits and tools get hot in operation. Wear gloves when touching them.

ACCESSORIES

Each accessory and attachment found suitable for use with your tool is identified in this owner's manual.

CAUTION: The use of any other accessory or attachment might be Hazardous.

IMPORTANT

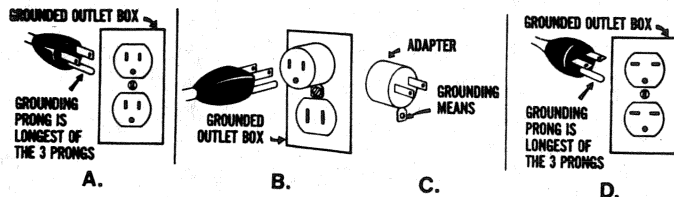
To assure product SAFETY and RELIABILITY repairs, maintenance (excluding brush inspection & replacement) and adjustments should be performed by BLACK & DECKER Service Center or other qualified service organizations, always using BLACK & DECKER replacement parts.

GROUNDING

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure D. An adapter, Figures B and C, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box.

No adapter is available for a plug as shown in Figure D. Adapter shown in Figures B & C is Not for Use in Canada.



We recommend that you **NEVER** disassemble the tool or try to do any rewiring in the electrical system. Any repairs should be performed only by B&D Service Centers or other qualified service organizations. Should you be determined to make a repair yourself, remember that the green colored wire is the "grounding" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to connect the green wire only to the grounding (longest) prong on a 3-prong plug.

EXTENSION CORD

When using the tool at a considerable distance from power source, a 3-conductor, grounding-type extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. Use the table below to determine the minimum wire size required in an extension cord.

Use only three wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged cords.

Ampere rating (on nameplate)	0 to 2.0	2.10 to 3.4	3.5 to 5.0	5.10 to 7.0	7.10 to 12.0	12.1 to 16.0
Ext. Cable length	Wire Size (A.W.G.)					
25 ft.	18	18	18	18	16	14
50 ft.	18	18	18	16	14	12
75 ft.	18	18	16	14	12	10
100 ft.	18	16	14	12	10	—
150 ft.	16	14	12	12	—	—
200 ft.	16	14	12	10	—	—

MOTOR BRUSHES

Inspect carbon brushes regularly. First, unplug the tool, then press together the two prongs of the Retaining Spring (see Fig. 1) and remove spring. Unscrew brush cap and remove brush and spring assembly. Replace when brushes are worn down to the identifying letter or groove, or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding freely in guides.



Fig. 1

COMMERCIAL/ INDUSTRIAL USE WARRANTY

Black & Decker warrants this product for one year from the date of purchase. We will repair without charge, any defects due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others.

ATTACHING HAMMER TOOLS

First, swing the Tool Retaining Spring (located in front of the nose piece) to one side. Insert tool bit into nose piece until shoulder on tool bit bottoms on nose piece. (NOTE: If tool bit does not bottom, hold Hammer so that tool bit is touching the ground, and push the Hammer sharply downward to seat the tool bit.) Next, swing Tool Retaining Spring back into place so that it engages the shaft of the tool bit.

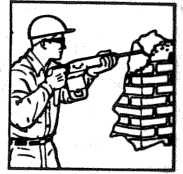


Fig. 2

OPERATION

Grasp handle of Hammer with one hand, and the barrel of Hammer with the other hand (see Fig. 2). If using Star Drills, grasp Hammer handle and the Turning Handle (see Fig. 3). Place tool in working position and depress trigger. When using Star Drills, swing Turning Handle in a 180° arc about 30 times per minute to prevent binding and to remove cuttings; exert firm even pressure for best results. NOTE: Use Dust Shield for all overhead drilling.

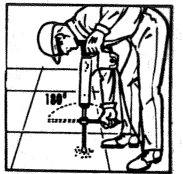


Fig. 3

For best demolition performance always place the end of the bit close to an edge of the work, breaking the work away piece by piece (Fig. 4). Trying to break away too large a chunk may cause the bit to get stuck in the work and may also decrease demolition rate.

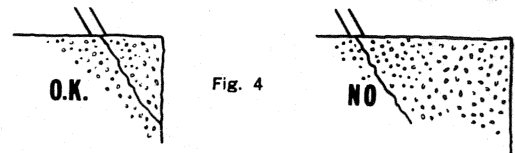


Fig. 4

LUBRICATION

The most important point in keeping your Electric Hammer free-running and powerful is regular oiling. Oil cups are located in the gear case under the switch handle. Oil liberally (several squirts from the can) after every 3 hours of Hammer operation. In overhead work, oil Hammer, through the nose piece rather than through the oil cups. Excess oiling will cause some leakage around the tool shank, but this does no damage and Hammer will clear itself rapidly in operation.

Black & Decker Special Hammer Oil (See Hammer Supplies, this booklet) has special qualities for adhering to high speed working parts and will greatly prolong the life of the tool. In an emergency, use high grade SAE No. 30 Oil.

In from 30 days to 3 months, depending upon use, your Hammer should be sent to the nearest B&D Service Branch for a complete cleaning and replacement of lubricant in the gear case. Your Hammer will be returned to you completely cleaned and adjusted with new parts installed where necessary.

HAMMER SUPPLIES

- Cat. No. 51315 Special Hammer Oil, 1 pint can
- Cat. No. 60541 Hammer Gear Grease, 1 lb. can
- Cat. No. 7276 Drift Key (To remove tapered shank bits from chuck)
- Cat. No. 10909 Tool Retaining Spring, 1/2" & 1" Hammers
- Cat. No. 21750 Tool Retaining Spring, 1 1/2" Hammer
- Cat. No. 17746 Dust Shield for Wrenches Nos. 22587, 23806, and Chuck Head 22510.
- Cat. No. 17747 Dust Shield for Wrenches Nos. 22749, 22854

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