The Care and Operation of



- USE 5 WAYS
- (1) Rotation plus heavy hammering action. (2) Rotation with light hammering action. (3) Rotates without hammering. (4) Hammers with heavy blow only. (5) Hammers with light blow only.
- LUBRICATION
- Tool does not require hourly or daily lubrication. Requires only weekly inspection under most severe operating conditions.
- SAFETY CLUTCH If the bit jams or binds in work during drilling operation, clutch slips
 protecting operator and tool.
- DEPTH GAUGE
- New practical design maintains setting. Gauge is spring loaded to absorb vibration shock when rod contacts work surface.
- PIPE HANDLE
- There are 3 convenient locations. Handle can be used on either left or right side of gear case or on top of switch handle.

USES AND CAPACITIES

For Percussion Carbide Bit Drilling in concrete and masonry 1/4" thru 1-1/2" dia. holes Core Drilling 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" holes for Shell Anchors 1/4" thru 5/8" bolt size Up to 1-1/8" diameter for other anchors and expansion shields Hammer Tools for chiseling, channeling, medium or light demolition work, chipping, scaling, slotting and tuck-pointing.

IMPORTANT-Before placing to	ool in operation, record the	e following information from name plat	е.
Model Number	Serial Number	Date of Purchase	



MILWAUKEE ELECTRIC TOOL CORPORATION

13135 West Lisbon Road • Brookfield, Wisconsin 53005



IS YOUR ASSURANCE -

- 1. That every tool manufactured by MILWAUKEE is produced in accordance with applicable Standards for Safety of Underwriters' Laboratories and American National Standards (ANSI).
- 2. That compliance with applicable safety standards is assured by independent inspection and testing conducted by Underwriters' Laboratories (UL).
- 3. That every motorized tool manufactured by MILWAUKEE is fully inspected.
- 4. That every tool has with it adequate instructions and a list of safety rules for the protection of the user.

SAFETY INSTRUCTIONS FOR ALL POWER TOOLS

- 1. KNOW YOUR POWER TOOL. Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
- 2. GROUND ALL TOOLS—UNLESS DOUBLE-INSULATED. If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-pronged receptacle, the adapter wire must be attached to a known ground. Never remove third prong.
- 3. KEEP GUARDS IN PLACE and in working order.
- 4. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
- 5. AVOID DANGEROUS ENVIRONMENT. Don't expose power tools to rain or use in damp, wet, or gaseous or explosive locations. Keep work area well lit.
- KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
- 7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place—out of reach of children.
- 8. **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.
- 10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
- 11. USE SAFETY GLASSES with most tools. Also face or dust mask if cutting operation is dusty.
- 12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
- 13. **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.
- 14. DON'T OVERREACH. Keep proper footing and balance at all times.
- 15. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean at all times for best and safest performance. Follow instructions for lubricating and changing accessories. CAUTION: Do not use carbon tetrachloride.
- DISCONNECT TOOLS. When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.

- 17. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 18. AVOID ACCIDENTAL STARTING. Don't carry plugged in tool with finger on switch. Be sure switch is off when plugged in.
- 19. WEAR EAR PROTECTORS when using for extended periods.
- ACCESSORIES. The use of any accessories other than those listed or recommended for this particular tool may be hazardous.
- 21. KEEP HANDS AWAY FROM CUTTING EDGES AND ALL MOVING PARTS.
- 22. **USE INSULATED SURFACES.** A double insulated or grounded tool may be made live if the blade or bit comes in contact with live wiring in a wall, floor, ceiling, etc. Always check the work area for live wires and hold the tool by the insulated surfaces when making "blind" or plunge cuts.
- 23. GRINDING WHEELS. Use only grinding wheels with "Safe Speed" at least as high as "No Load RPM" marked on the name plate.

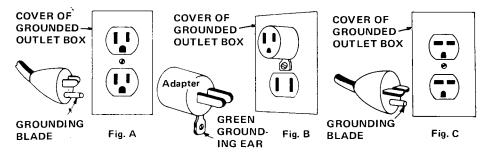
GROUNDING INSTRUCTIONS

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 conductor in the cord is the grounding wire. Never connect the green wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like Fig. "A". If it is for use on 150 to 250 volts, it has a plug that looks like Fig. "C".

NOTE

The use of 3-prong adapters in Canada is prohibited by the Canadian Electrical Code.

An adapter, Fig. "B" is available for connecting Fig. "A" plugs to two-prong receptacles. The green grounding ear extending from the adapter must be connected to a permanent ground such as to properly grounded outlet box. No adapter is available for Fig. "C" plugs.



NOTE: RECEPTACLE MUST BE GROUNDED FOR SAFE USE OF ADAPTER; IF IN DOUBT CALL A QUALIFIED ELECTRICIAN AND HAVE THE RECEPTACLE CHECKED FOR GROUND.

EXTENSION CORDS

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.

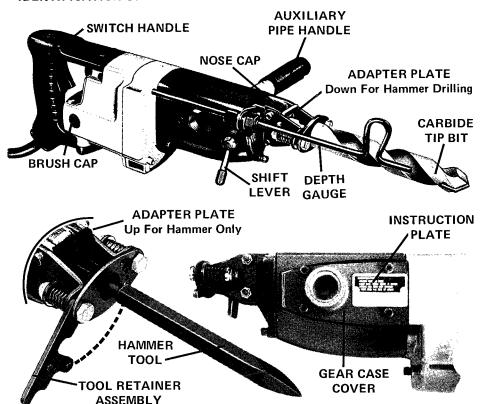
EXTENSION CORD CHART

When an extension cord is used, it should also be a 3 wire cord to permit proper grounding of the tool. As the distance from the supply outlet increases, heavier gauge extensions are required. The use of extension cords of inadequate size wire causes a serious drop in voltage, loss of power and possible motor damage. This table is based on limiting line voltage drop to 5 volts at 150% of rated amperes.

Ampere rating (on Nameplate)	0- 2 . 00	2.10- 3.4	3.5- 5.00	5.10- 7.0	7.10- 12.0	12.1- 16.0	
Ext. Cable Length				Wire Size			
25 Ft. 50 Ft. 75 Ft. 100 Ft. 150 Ft. 200 Ft. 300 Ft. 400 Ft. 500 Ft. 600 Ft. 800 Ft.	18 18 18 16 16 14 12 12 10	18 18 16 14 14 12 10 10	18 18 16 14 12 12 10 8 8 6	18 16 14 12 12 10 8 6 6 4	16 14 12 10 8 8 6 4 4 2	14 12 10 8 8 6 4 4 2 2	Not normally available as flexible extension cord.
1000 Ft.	8	6	4	2 _.	1 .	0	

IF USING EXTENSION CORD OUT OF DOORS, BE SURE IT IS RATED FOR OUTDOOR USE.

IDENTIFICATION OF PARTS



IMPORTANT

- 1. Always use the auxiliary pipe handle to provide a firm grip on the tool.
- Be sure shanks of bits and other accessories are clean before inserting in nose of the tool.
- 3. When drilling with carbide-tip bits, do not attempt drilling thru steel reinforcing rods and do not use water to settle dust.
- 4. Check all external screws periodically against loosening.
- 5. Use only recommended accessories listed in this manual or in MILWAUKEE catalog. Use of any other accessories may be hazardous.

5 WAY ACTION

With the use of the shift lever and the adapter plate assembly furnished on the rotary hammer, it is possible to select one of five different actions.

ADAPTER PLATE ASSEMBLY

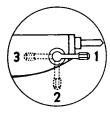
An adapter plate is located between the tool retainer assembly and the nose cap. When the adapter plate is pushed down the round hole is in line with the percussion bit allowing the bit to rotate when the hammer is used for rotation only or rotation with light or heavy hammering.

For hammer only action, lift the adapter plate up so the hexagon hole is in line with the hammer tools. The hexagon hole eliminates rotation of the hammer tools.



SHIFT LEVER

The shift lever repositions the cam which operates the hammer mechanism and does not engage or disengage gears. It can be used freely . . . whenever necessary. When changing from one position to another, turn switch on then release trigger. Move the lever into the desired position when motor is coasting to a stop. A spring loaded ball falls into position holding the lever in its proper location. This action can be felt by the operator. The shift lever provides three distinct functions for drilling and rotary hammer action. The instruction plate on the gear case cover indicates these positions.



ACTION NO. 1
Rotary Only

Handle of lever toward nose cap. The cam is disengaged and only the rotating mechanism operates for regular drilling. Insert drill chuck adapter and attach the industrial 3 jaw key chuck.

ACTION NO. 2 Rotary and Light Hammering Handle of lever down. This position produces rotation and light hammering action for use with percussion carbide-tip bits up to 1/2" diameter and for larger bits when drilling soft materials. The lighter blow with small bits increases bit life and does a very effective job.

ACTION NO. 3
Rotary and

Hammering

Heavy

Handle of lever toward switch handle. Produces rotation plus heavy hammering action for use with percussion carbide-tip bits sizes 1/2" and larger.

HAMMERING ACTION ONLY

When using hammer tools and chisels, the adapter plate is pulled up, insert hammer tool. Lock tool in place with tool retainer. The chisel or tool will not rotate.

ACTION NO. 4 Light Hammer Only Handle of lever down (Position No. 2), adapter plate assembly pulled up. Produces light hammer action for scoring or when working in soft materials.

ACTION NO. 5 Heavy Hammer Only Handle of lever toward switch handle (Position No. 3), adapter plate assembly pulled up. Produces heavy hammer action where full power is needed.

TOOL RETAINER

In all drilling and hammering operations the retainer is required to hold the tool in the nose of the hammer.

MAINTENANCE

All servicing other than recommended in this instruction manual must be done by an Authorized MILWAUKEE Service Station.

SAFETY CLUTCH

The purpose of the clutch is to protect the operator and tool. If the bit jams or binds, the clutch slips and the torque of the rotary action will not be transmitted to the operator. The clutch has been adjusted at the factory. If the clutch slips too readily, it can be tightened. Remove the gear case cover and tighten the lock nut on the end of the clutch shaft. This is a left hand nut, so to tighten, turn the lock nut counterclockwise only a few degrees using the 9/16" wrench furnished with the tool. Flats are provided on the shaft next to the large gear for a 1/2" open end wrench to hold the shaft from turning when adjusting lock nut. After readjusting, be careful when drilling the first hole to see that it is operating properly. The clutch will slip more readily when using larger diameter bits.

DEPTH GAUGE

Loosen the socket head screw holding rod. Measure the depth of hole to be drilled from the end of bit to end of rod and tighten socket head screw. The spring-loaded gauge maintains its setting. The assembly is easily removed from nose cap when tool is used for other work.

The MILWAUKEE Electric Tool Corporation assumes no responsibility for any damage or accidents resulting from the use, misapplication, or nonadherence to safety precautionary measures.

USE ONLY IDENTICAL REPLACEMENT PARTS

Parts List Available On Request.
When ordering, include Catalog No. and Serial No. of Tool.

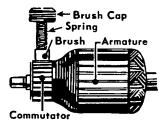
Write: MILWAUKEE ELECTRIC TOOL CORP. SERVICE DEPT.
13135 W. Lisbon Rd. Brookfield, WI. 53005

LUBRICATION

This Hammer requires no hourly or daily lubrication; however, under most severe operating conditions the gear case should be inspected weekly. To inspect, clean the gear case cover and surrounding areas carefully. Remove the 4 screws and take off the gear case cover. See that parts are receiving sufficient lubrication. The chamber should be no more than 1/4 full of grease with all parts in place. Excess grease causes friction and eventual overheating. If overloaded, grease will be forced through the armature bearing into the motor housing. Use only MILWAUKEE Type "A" grease. 1/2 lb. Can, Cat. No. 49-08-0500. 1 lb. Can, Cat. No. 49-08-0800.

BRUSHES AND COMMUTATOR

Failure of the motor to start or to operate efficiently can usually be attributed to worn or damaged brushes, brushes sticking in the holders and failing to make proper contact with the commutator, or to the commutator being dirty or rough. Frequent inspection of brushes and commutator is recommended.



To inspect the brushes, remove plug from power source. Unscrew brush retainer caps located on motor housing. Pull out brush retainer springs and brushes.

Replace brushes when worn down to 1/4". Always replace both brushes at the same time. When inspecting brushes, also check the commutator for wear. If worn badly, send the complete tool to a MILWAUKEE Service Station for undercutting and dressing of the commutator.

PERCUSSION CARBIDE-TIP BITS

For 1/4" to 1-1/2" holes in concrete or masonry. There are two types of percussion, carbide-tip bits . . . One piece bits that fit directly into nose of the tool and taper bits used with "A" or "B" taper chucks. These chucks fit into the nose of the tool. To spot a hole, and for accuracy, put the shift lever in the rotating only position (No. 1), then shift to either the light or heavy blow as required and continue drilling. Do not drill deeper than the length of the flutes. Apply only sufficient pressure to keep the tool on the work. Hold the tool securely and straight to avoid binding or jamming the bit. Do not attempt to drill thru steel reinforcing rods. Carbide-tip bits are not made for this purpose and they will become permanently damaged. If steel is contacted remove drill and start a new hole. Use flat tip carbide bits when drilling holes for expansion shields or anchors.

GENERAL PURPOSE BITS For MILWAUKEE 5300 and 5310 Hammers

TAPER SHANK BITS USE TAPER CHUCKS

FAST SPIRAL "A" TAPER BITS USE "A" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX DRILLING DEPTH (IN.)
1/4	48-20-3251	4	2
1/4	48-20-3253	6	4
5/16	48-20-3311	4-1/2	2-1/2
5/16	48-20-3313	6	4
3/8	48-20-3383	4-1/2	2-1/2
3/8	48-20-3384	9	7
3/8	48-20-3385	12	10
7/16	48-20-3441	4-1/2	2-1/2
1/2	48-20-3503	9	7
1/2	48-20-3504	4-1/2	2-1/2
1/2	48-20-3505	12	10
9/16	48-20-3561	5	3
9/16	48-20-3562	9	7
5/8	48-20-3623	5	3
5/8	48-20-3624	9	7
5/8	48-20-3625	12	10
11/16	48-20-3691	5	3
3/4	48-20-3791	5-1/2	3-1/2
3/4	48-20-3796	9	7
7/8	48-20-3861	5	3

ONE PIECE

7/16"	HEX.	X	2-1/8"	LONG	SHANK
.,			, _		

.,			
BIT DIA. (IN.)	CATALOG NO.	OVERALL LENGTH (IN.)	MAX. Drilling Depth (in.)
DÍÁ.		LENGTH	DRILLING
1-1/8 1-1/4	48-20-2132 48-20-2250	23-1/2 12	18 7
1-1/4 1-1/4 1-3/8	48-20-2251 48-20-2370	23-1/2 12	18 7
1-3/8 1-1/2	48-20-2372 48-20-2500	23-1/2 15	18 10
1-1/2	48-20-2502	23-1/2	18

TAPER SHANK BITS USE TAPER CHUCKS

"A" TAPER BITS USE "A" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG No.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
1/4	48-20-3250	4	2
1/4	48-20-3252	6	4
5/16	48-20-3310	4-1/2	2-1/2
5/16	48-20-3312	6	4
3/8	48-20-3380	4-1/2	2- <u>1</u> /2
3/8	48-20-3381	9	7
3/8	48-20-3382	12	10
7/16	48-20-3440	4-1/2	2-1/2
15/32	48-20-3470	4-1/2	2- <u>1</u> /2
1/2	48-20-3499	9	7
1/2	48-20-3500	4-1/2	2-1/2
1/2	48-20-3501	12	10
9/16	48-20-3559	5	3 7
9/16 5/8	48-20-3560 48-20-3619	9 5	
5/8	48-20-3620	9	3 7
5/8	48-20-3621	12	10
11/16	48-20-3690	5	3
3/4	48-20-3790	5-1/2	3-1/2
3/4	48-20-3795	9	7
7/8	48-20-3860	5	á
,,0	40-50-000		J

"B" TAPER BITS USE "B" TAPER CHUCKS

BIT DIA. (IN.)	CATALOG No.	OVERALL LENGTH (IN.)	MAX. DRILLING DEPTH (IN.)
11/16 3/4 27/32 7/8	48-20-3680 48-20-3750 48-20-3840 48-20-3870 48-20-3100	9 9 9 9	6-3/4 6-3/4 6-3/4 6-3/4 6-3/4

TAPER CHUCKS

TAPER CHUCKS FOR "A" & "B" TAPER SHANK BITS Drift pin included with each chuck.

TAPER	MODEL	CATALOG
CHUCK	Number	NUMBER
"A"	MILWAUKEE	48-66-6500
"B"	5300	48-66-6501
"A"	B & D	48-66-6506
"A" "B" "A" "B" "A" "A"	Skil 706 Skil 726 Skil 726 Skil 728 Skil 728 Skil 1706 Hilti TE 17	48-66-6708 48-66-6500 48-66-6501 48-66-6709 48-66-6710 48-66-6708 48-66-6750
Orift	when ordered	48-86-0090°
Pins	separately	48-86-0100

^{*}Use with Chuck NO. 48-66-6708.



ROTARY PERCUSSION CORE BITS

Available in 1-1/4", 1-1/2", 1-3/4", 2" and 2-1/2" diameters, MILWAUKEE Core Bits have heat treated steel bodies with durable carbide tips. Specially designed for fast drilling with rotary hammer action, all MILWAUKEE Core Bits are furnished with removable starter bits for accurate starting.

To assemble, screw adapter into bit. Turn adapter forward until it is tight against the core bit. This will properly seat the adapter. Insert hex shank starter bit in core bit and keep in place until hole is sufficiently started to prevent core bit from wandering (1-1/4" core bits have threaded starter bits). The starter bit may be removed after hole is started. Do not attempt to drill through steel reinforcing rods. Drilling steel may damage the bit. DO NOT APPLY WATER WHILE DRILLING. No coolant or lubrication is required. For best results, clean bit and hole after every 2" depth of drilling to prevent binding.



CORE BITS

CORE BITS

1·1/4" x 6" NO. 48-20-5250 1·1/2" x 6" NO. 48-20-5510 1·3/4" x 6" NO. 48-20-5760 2" x 6" NO. 48-20-6010 2·1/2" x 6" NO. 48-20-6050

Above includes Core Bit and Starter Bit.
Order Core Bit Adapter separately.

1/2" STARTER BITS

Same as furnished with Core Bits.
For 1-1/4" NO. 48-20-6105
For 1-1/2" NO. 48-20-6110
For 1-3/4" NO. 48-20-6120
For 2" NO. 48-20-6130
For 2-1/2" NO. 48-20-6140

CORE BIT ADAPTERS

For MILWAUKEE 5300, 5310 and SKIL 726 Hammers.

Catalog No. 48-03-3505. Fits 1-1/2" and larger Core Bits.

Catalog No. 48-03-3515 for 1-1/4" Core Bits.



EXTENSIONS

To assemble, screw extension directly into back of core bit and turn forward until tight against back of bit. Thread Core Bit Adapter into opposite end of extension and secure.

EXTENSIONS

For 1-1/4" Core Bit 12" Long NO. 48-95-6065 For 1-1/2", 1-3/4", 2" and 2-1/2" Core Bits 7-1/2" long NO. 48-95-6005 12" long NO. 48-95-6055

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HEAVY-DUTY ROTARY HAMMER ACCESSORIES

CHUCKS for SELF-DRILLING ANCHORS

"B" Taper Chucks for self-drilling anchors are available in 1/4", 5/16", 1/2" and 5/8" bolt sizes and can be used with automatic or manual rotation.



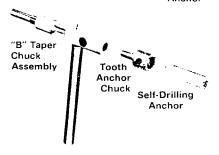
Use with "B" Taper Chucks Shown Below

TOOTH ANCHOR CHUCKS For Self-Drilling Anchors

CATALUG NU.	DESCRIPTION			
48-66-6520		3/16"-1/4"		7/16"
48-66-6540	FOR	5/16"	O. D.	15/32"
48-66-6560	BOLT	3/8"	OF	9/16"
48-66-6580	SIZE	1/2"	ANCHOR	11/16"
48-66-6600		5/8"		27/32"

For final setting of anchors 1/2" and 5/8" use hand hammer and setting tool.





FOR AUTOMATIC ROTATION "B" Taper Chuck No. 48-66-6501 is required to accommodate self-drilling anchor chucks. Same as furnished with Tooth Anchor Chuck Kit No. 49-22-2000.

FOR MANUAL ROTATION "B" Taper Chuck No. 48-03-3600 is required. This chuck is furnished with a turning handle and a round shank to permit hammering without rotation.



When hole is drilled, set anchor with a hand hammer and a setting tool. If a quantity of holes of the same size are to be drilled, a piece of masonite or 1/4" plywood with a hole drilled in it makes a good template for starting holes.

TOOTH ANCHOR CHUCK KIT Cat. No. 49-22-2000 includes: tooth anchor chucks for bolt sizes 1/4", 3/8" 1/2" and 5/8"; "B" taper chuck (48-66-6501) with drift pin (48-86-0100); and a steel carrying case.

HAMMER TOOLS

HAMMERING ACTION ONLY (See page 6.)

SCALING CHISEL

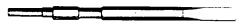


1-3/4" x 5-1/2" x 10" long

For removing weld spatter or scale and cutting between drilled holes in concrete for large openings.

NO. 48-62-0210

COLD CHISELS



3/4" x 11" or 18" long

For edging, chipping or channeling. NO. 48-62-0250 11" lg. NO. 48-62-0252 18" lg.

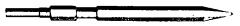
MORTAR CUTTING CHISEL



1" x 5" x 11" long

For removing old mortar for tuckpointing or caulking and seaming. NO. 48-62-0230

BULL POINTS



11" or 18" long

For light demolition work. NO. 48-62-0240 11" lg. NO. 48-62-0248 18" lg.

SLOTTING CHISEL



1-1/8" x 5-1/2" x 11" long

For slotting and cutting between drilled holes in concrete and masonry. NO. 48-62-0220

INDUSTRIAL, 3-JAW CHUCK and ADAPTER





Catalog No. 48-66-1280

Used with rotation only with Shift Lever in No. 1 position. Adapter (Catalog No. 48-03-3000) fits in nose of tool. A 1/2" Industrial, Key Chuck (Catalog No. 48-66-1280) threads on 1/2"-20 spindle of Adapter. Capacity in steel is 1/2". Can be used as a regular drill for other applications. (Chuck Key included with chuck.)

MISCELLANEOUS

Carrying Case Only (for 48-55-0600 5300 Rotary Hammer)

48-86-0100 Drift Pin

49-08-0500 1/2 lb. Can "A" Grease

1 lb. Can "A" Grease 49-08-0800

FACTORY SERVICE CENTERS

Alka Neilal 1130 North Magnoka Street Anaheim, California 92801 Phona 714 827 3970 213 824 7815 213 860 0349

ATLANTA 2381 John Glenn Drive Suite 102 Chamblee, Georgia 30341 Phone 404 455-7300

BOSTON 143 California Street Newton, Massachusetts 02158 Phone 617 244-4483

CHICAGO 7315 North Monticello Avenue Skokie Illinois 60076 Phone 312 539-9173

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MIAMI 8101 N W 33rd Street Mami, Forda 33122 Phone 305 592 0442 MILWAUKEE 4057 North 128th Street Brookleid Wisconsin 53005 Phone 414 781 0951

MINNEAPOLIS 2200 West 94th Street Bloomington Minnesots 5543? Phone 512 884-7258

NEW YORK 27-07 Brooklyn-Queens Expressway W Woodside, New York 11377 Phone N Y 212 721-5151 N J 201 622-7752

N J 201 622-7702 PHILADELPHIA 388 Reed Road P 0 802 224 Broomal Pennsylvania 19008 Phone 215 544 5544 Philadelphia 215 528 6771

Philadelphia 215 528 67/1 SAN FRANCISCO 329 Littlefield Avenue S San Francisco, Calif 94080 Phone 415 583-9884 San Francisco 415 761-2851

SEATTLE 503 S Michigan Street P O Box 80345 Seattle, Washington 98108 Phone 206 762-8430

AUTHORIZED SERVICE STATIONS

Power Tool Service Inc 1113 4th Avenue South Birmingham, Alabama 35233 Smith Power Tool Co. Inc 2503 Commercial Park Drive Mobile, Alabama 36606

ALASKA Aero Services Co 203 Post Road Box 1554 Anchorage, Alaska u. Alaska 99501 D & D Industries 3960 South Cushman Fairbanks, Alaska 99701

Fairbanks, Alaska 9970; ARIZONA Electric Motor Co 1028 E Broadway Tucson, Arizona 85719 Glanns Tool Service 4038 N 13th Way Phoenix, Arizona 85014

ARKANSAS

Henninger, Inc 1206 Main Street Little Rock, Arkansas 72202

CALIFORNIA
Blackstone Electric Motor Shop
1251 Blackstone Avenue
Frenno, California 93703 Fresno, California durad General Electrical Tool Repairs Inc 384 Martin Avenue Santa Clara, California 95050

Sacramento Industrial Electric 6325 Elvas Avenue Sacramento, California 95819 Star Tool & Supply Co 1028 Buenos Avenue San Diego, California 92110

San Diego, California 92110 COLORADO Bell Electric Motor Repair 727 3rd Avenue Grand Junction, Colorado 81501

Grand Junction, Colorado 81501
CONNECTICUT
Portable Power, Tool Repair
447 Arch Street Rear
New Britain, Connecticut 06051
FLORIDA
Electrical Repair Co
1228 East Cess Street
Tamps, Electrical 33602

Florida Electric Motor Service 1128 Atlanta Avenue Orlanda, Florida 32806 Holland Repair 6410 Norwood Avenue Jacksonville, Florida 32208 GEORGIA

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Rossiter Electric
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1200 Goss Avenue
Louisville, Kentucky 40217

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5409 Evangeline
Baton Rouge, Louisvana 70805
Beerman Precision Machine
2021 Thalia Street
P.O. Box 53432
New Offens, Louisvana 70150

New Orleans, Louisiana 70150
MARYLAND
Roland Electric Co
330 West 23rd Street
Baltimore, Maryland 21211
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201 Ethan Atlen Avenue
Takoma Park, Maryland 20012
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Grand Rapids, Michigan 49509 MINNEBOTA

Horvick Electric Motor Co 303-307 Main Avenue Moorhead, Minnesota 56560

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Jackson, Mississippi 39204

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5280 Fyler Avenue
St. Louis, Missouri 63139

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Cincinnati. Ohio 45210
Columbus Electrical Works
777 North Fourth Street
Columbus, Dhio 43215
M & R Electric Motor Service
1516 East Fitth Street
Dayton, Ohio 45403

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Capitol Electric Motor Repair, Inc
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Oklahoma City, Oklahoma 73108
Hammond Electric Company
1510 Earl Thrd Street
Tuha, Oklahoma 74120

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Keith's Electric Motor & Tool
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Mediord, Oregon 97501
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Power Tool Service
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Mechanicaburg, Penn. 17055
Synder Electric Company
1500 Chateau Street
Pittsburgh, Pennsylvania 15233

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P.O. Box 622
Charfeston, S.C., 29402
Mann Electric Repair Co.
2909 Main Street
Columbia, S.C., 29201

SOUTH DAKOTA Shaksted Authorized Service 1400 Industrial Avenus Sious Falls, South Dakota 57101

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Alled Electric Motor Co. Inc.
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Nashville, Tennessee 37210
Diale Industrial Service Inc.
2108 East Main Street
Chattenooga, Tennessee 37404 Electric Service Co 3914 McCalla Avenue Knoxville, Tennessee 39714

Southern Electric Co 812 Porter Street P.O. Box 4967 Memphis, Tennessee 38104

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S Burlington, Vermont 05401

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Norfolk, Virginia 23517
Lloyd Electric Company
521 West Salem Avenue
Roanoke, Virginia 24018
Wingfield & Hundlay Inc
2403 Essi Franklin Street
Richmond, Virginia 23205

WASHINGTON WASHINGTON
Center Electric Inc.
1212. South 30th Street
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1200. South Street
1200. South Fourth Avenue
205 South Fourth Avenue
Yakuma, Washington 98902
K & N Electric Motors
217 West Cataldo
P O Bos 303
Spokane, Washington 99201

Spotane, Washington 99/201
WISCONSIN
Jel Power Tool Repair Inc.
970 Jonathon Drive
Madison, Wisconsin 53713
Power Tool Service Co
Div of Libert Motor Supply
310 North Webater Avenue
Green Bay, Wisconsin 54301

WYOMING Don's Pipeline Service P.O. Box 458 Rock Springs, Wyoming 82901



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CANADIAN SUBSIDIARY MILWAUKEE ELECTRIC TOOL (CANADA) LTD., 383 MIDWEST RD., SCARBOROUGH, ONTARIO M1P3A6

LIMITED WARRANTY

Every MILWAUKEE Tool is thoroughly inspected and tested before leaving the factory. Should any trouble develop, return the complete tool prepaid to the Factory, Branch or nearest Authorized MILWAUKEE Service Station. If inspection shows the trouble is caused by defective workmanship or material, all repairs will be made without charge and the tool will be returned transportation prepaid.

This warranty does not apply where: (1) repairs or attempted repairs have been made by persons other than Factory, Branch or Authorized Service Station personnel; (2) repairs are required because of normal wear; (3) the tool has been abused or involved in an accident; (4) misuse is evident such as caused by overloading the tool beyond its rated capacity; (5) the tool has been used after partial failure or (6) the tool has been used with an improper accessory. No other warranty written or verbal, is authorized.

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