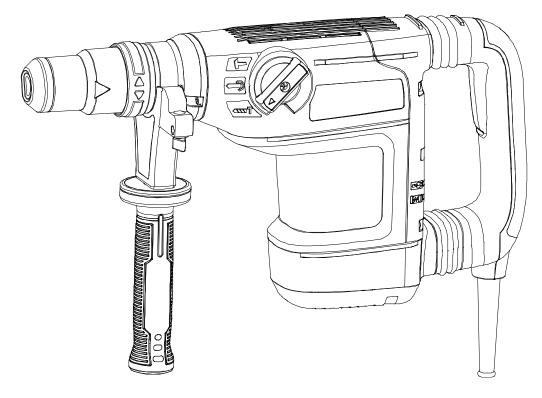


Owner's Manual & Safety Instructions

231



Model HCB79B

1-9/16" SDS-Max Type Rotary Hammer

AWARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible. Reference 56844.

IMPORTANT SAFETY INFORMATION

General Power Tool Safety Warnings

AWARNING

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

- 1. Keep work area clean and well lit.

 Cluttered or dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- 3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical safety

- 1. Power tool plugs must match the outlet.

 Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- 3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 4. **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- 5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- 2. **Use personal protective equipment.** Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 3. **Prevent unintentional starting.** Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- 4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- 5. **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 6. **Dress properly.** Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- 7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- 8. Do not let familiarity gained from 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.
 - a. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
 - b. Avoid unintentional starting.Prepare to begin work before turning on the tool.
 - c. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
 - d. When using a handheld power tool, maintain a firm grip on the tool with both hands to resist starting torque.
 - e. Do not leave the tool unattended when it is plugged into an electrical outlet. Turn off the tool, and unplug it from its electrical outlet before leaving.

- f. This product is not a toy.
 Keep it out of reach of children.
- g. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
 - Avoid operating alone.
 - Do not use with Trigger locked on.
 - Properly maintain and inspect to avoid electrical shock.
 - Properly ground power cord.
 Ground Fault Circuit Interrupter (GFCI) should also be implemented it prevents sustained electrical shock.
- h. The warnings, precautions, and instructions discussed in this instruction 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.

Power tool use and care

- 1. **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- 2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 3. Disconnect the plug from the power source and/ or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- 5. Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 7. **Use the power tool, accessories and tool bits etc.** in accordance with these instructions,
 taking into account the working conditions and
 the work to be performed. Use of the power
 tool for operations different from those intended
 could result in a hazardous situation.

8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Safety instructions for all operations

- 1. Wear ear protectors when Impact drilling. Exposure to noise can cause hearing loss.
- 2. **Use the auxiliary handle(s).** Loss of control can cause personal injury.
- 3. Brace the tool properly before use. This tool produces a high output torque and without properly bracing the tool during operation, loss of control may occur resulting in personal injury.
- 4. Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fasteners may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
 - a. Let bit cool before touching, changing or adjusting it. Bits heat up dramatically while in use, and can burn you.
 - b. If the drill bit jams, release the Trigger immediately; drill torque can cause injury or break bit.

Safety Instructions when using long drill bits

- 1. Never operate at higher speed than the maximum speed rating of the drill bit. At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- 2. Always start drilling at low speed and with the bit tip in contact with the workpiece.

 At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- 3. Apply pressure only in direct line with the bit and do not apply excessive pressure. Bits can bend causing breakage or loss of control, resulting in personal injury.

Silicosis Safety Measures

Masonry drilling on materials such as concrete (which contains crystalline silica) can cause silicosis (a serious lung disease), cancer and death. To reduce crystalline silica exposures in the workplace and prevent silicosis and silicosis-related deaths:

 Conduct air monitoring to measure worker exposures.

- b. Use containment methods to control the hazard and protect adjacent workers from exposure.
- c. Practice good personal hygiene to avoid unnecessary exposure to silica dust.
- d. Wear washable or disposable protective clothes at the work site. Shower and change into clean clothes before leaving the work site to prevent contamination of cars, homes and other work areas. Avoid skin exposure.
- e. Always wear a NIOSH approved respirator and safety goggles. Ventilate the work area properly.
- f. Provide periodic medical examinations for all workers who may be exposed to crystalline silica.
- g. Post signs to warn workers about the hazard and to inform them about required protective equipment.
- h. Provide workers with training that includes information about health effects, work practices and protective equipment for crystalline silica.
- Report all cases of silicosis to State health departments and to OSHA or the Mine Safety and Health Administration (MSHA).

Vibration Safety

This tool vibrates during use.

Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

- a. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
- b. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- c. Wear suitable gloves to reduce the vibration effects on the user.
- d. Use tools with the lowest vibration when there is a choice.
- e. Include vibration-free periods each day of work.
- f. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.

g. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

Grounding

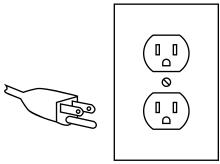
AWARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM

INCORRECT GROUNDING WIRE CONNECTION:
Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool.
Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

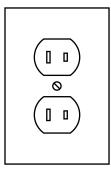
Grounded Tools: Tools with Three Prong Plugs

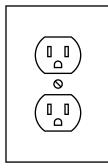


3-Prong Plug and Outlet

- Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See 3-Prong Plug and Outlet.)
- The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. (See 3-Prong Plug and Outlet.)
- The tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. (See 3-Prong Plug and Outlet.)

Double Insulated Tools: Tools with Two Prong Plugs





Outlets for 2-Prong Plug

- Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code.
- Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. (See Outlets for 2-Prong Plug.)

Extension Cords

- Grounded tools require a three wire extension cord.
 Double Insulated tools can use either a two or three wire extension cord.
- As the distance from the supply outlet increases, you must use a heavier gauge extension cord.
 Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. (See Table A.)
- The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. (See Table A.)
- 4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. (See Table A.)
- If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. (See Table A.)
- 6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
- 7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.
- 8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

TABLE A:	RECOMMENDED MIN	IMUM WIRE
GAUGE FOR	EXTENSION CORDS*	(120/240 VOLT)

NAMEPLATE AMPERES	EXTENSION CORD LENGTH				
(at full load)	25´	50´	75´	100´	150´
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

^{*} Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

Symbology

	Double Insulated
V	Volts
~	Alternating Current
Α	Amperes
n ₀ xxxx/min.	No Load Revolutions per Minute (RPM)
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use.
	WARNING marking concerning Risk of Fire. Do not cover ventilation ducts. Keep flammable objects away.
A	WARNING marking concerning Risk of Electric Shock. Properly connect power cord to appropriate outlet.
	WARNING marking concerning Risk of Hearing Loss. Wear hearing protection.

Specifications

Electrical Rating	120VAC / 60Hz / 11.5A
Shank Style	SDS-Max Type (sold separately)
No Load Speed	n ₀ : 235-515/min
Impact Rate (Blows Per Minute)	1350-2950 BPM

Warning Symbols and Definitions

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

ADANGER Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

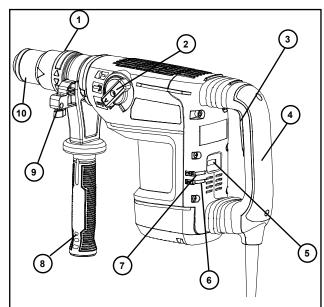
AWARNING Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

ACAUTION Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

Addresses practices not related to personal injury.

Functional Description



- 1. Chisel Adjustment Sleeve
- 2. Mode Knob
- 3. Trigger
- 4. Handle
- 5. Speed Control
- 6. Carbon Brush Indicator
- 7. Power Indicator
- 8. Auxiliary Handle
- 9. Depth Rod Holder
- 10. Chuck Ring

Operating Instructions



Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

AWARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

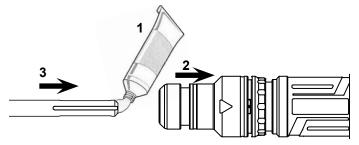
Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

Tool Changing

Changing SDS Type or SDS Plus Type Drill Bits

<u>CAUTION!</u> Wear heavy-duty work gloves to provide protection when inserting and removing drill bits. Drill bits become very hot during use. Do not remove drill bits until the bit has cooled. Do not strike stuck bits with a hammer.

- 1. Grease the drill bit shank before installing.
- Pull back on the Chuck and insert the drill bit. Make sure it slides all the way into the opening.



- 3. Release the Chuck.
- Check that the drill bit is secured in place.
 It should not be able to be pulled out of the Chuck.

Note: When drilling a hole larger than 1-1/4" diameter, use a drill bit with four cutting edges.

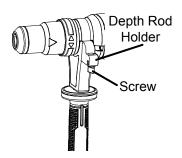
<u>NOTICE:</u> Use sharp bits. Dull, bent, or damaged bits will cause stress on the drill and/or break.

Adjusting Auxiliary Handle

- 1. Rotate Auxiliary Handle counterclockwise to loosen.
- 2. Slide Auxiliary Handle to desired position, then rotate clockwise to secure in place.

Adjusting Depth Rod

1. Loosen Screw next to Depth Rod Holder.



- 2. Slide Depth Rod to desired depth.
- 3. Tighten Screw to secure Depth Rod in position.

Note: Drilling depth is the distance from drill bit tip Depth Gauge tip.

Workpiece and Work Area Set Up

- Designate a work area that is clean and well lit.
 The work area must not allow access by children or pets to prevent distraction and injury.
- Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
- Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
- 4. There must not be objects, such as utility lines, nearby that will present a hazard while working. If working in the ground or on a concrete slab on the earth, call local utility company to ensure that area is clear of utility lines.
- 5. Protect power cord from crushing, abrasion, and scraping by broken rock or concrete.
- 6. Keep power cord away from moving machines.

General Instructions for Use

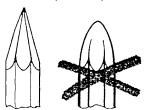
CAUTION! Most drill bits are designed for use in the forward, clockwise direction. Do not use a drill bit in the opposite direction than it is designed for.

TO PREVENT INJURY:

Wear ANSI-approved safety goggles, ear protection, steel-toe boots, and dust mask during use. Keep feet clear of Rotary Hammer.

Keep children and animals well clear of the work area.

1. Check bit for dullness, cracks, or other damage.



CAUTION! Dull tipped bits can cause unnecessary bit movement, resulting in tool wear and possible injury. Use only sharp tipped bits.

- 2. Clearly mark the work area.
- Mode Knob Set the Mode Knob to the required mode before using the tool.

NOTICE: TO PREVENT DAMAGE, do not change the Mode Knob while the tool is in operation. Make sure the Mode Knob is entirely in the desired position before use.

a. Hammer Mode

(top position) The bit will not rotate, but it will impact forwards and backwards. Do not use this mode with spiral bits.



b. Bit Rotation Mode

(middle position) The bit rotates. Use Chisel Adjustment Sleeve to adjust bit to optimal position before switching back to Hammer Mode or Hammer/Drill Mode.

c. Hammer/Drill Mode

(bottom position) The bit will simultaneously rotate and impact.



4. Set desired speed using Speed Control.

5. Make sure that the Trigger is in the off-position, then plug in the tool.

CAUTION! Keep power cord away from moving machines.

- 6. Place one hand on the Auxiliary Handle and the other hand around the Handle.
- 7. Press the upper part of the Trigger to start the tool. Trigger will lock on.
- 8. Push the tip forcibly down to begin striking material.

NOTICE: Running tool with no load or "empty blows" will damage the Rotary Hammer.

CAUTION! Do not apply excessive force. allow the tool to do the work.

NOTE: If the Rotary Hammer has not been used for a long time or is being used in low temperatures, the tool may require 3-5 minutes to warm up.

NOTE: Carbon Brushes will wear during use. The Carbon Brush Indicator will light if the Brushes are worn. If Carbon Brush Indicator lights, worn Brushes will need to be replaced with included Brushes by a qualified technician.

Note: During extended operation, periodically remove the bit and re-lubricate the loading end with grease.

9. When work is complete, press the lower part of the Trigger to turn Tool off.

WARNING! TO PREVENT SERIOUS INJURY:

The tool will restart automatically if stalled.

10. To prevent accidents, turn off the tool and unplug it after use. Clean, then store the tool indoors out of children's reach.

Concrete Drilling Tips:

- a. Do not add water to the drill hole.
- b. Clean the bit flutes regularly while drilling.
- c. To help remove debris, back the bit out of the hole often during drilling, especially when drilling deep holes.
- d. Grease the bit shank and bit holder and keep the shank end of the bit dust and debris free.
- e. Use the shortest bit practical.
- f. When drilling deep holes, work in stages, use a short bit for the beginning of the hole, then change to a longer bit.

MAINTENANCE AND SERVICING INSTRUCTIONS



Procedures not specifically explained in this manual must be performed only by a qualified technician.

AWARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:

Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

- 1. **BEFORE EACH USE**, inspect the general condition of the tool. Check for:
 - · loose hardware,
 - · misalignment or binding of moving parts,
 - · damaged cord/electrical wiring,
 - · cracked or broken parts, and
 - any other condition that may affect its safe operation.
- AFTER USE, wipe external surfaces of the tool with clean cloth.
- 3. Store in temperatures no lower than 50-60°F.

AWARNING! TO PREVENT SERIOUS INJURY: If the plug or the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

NOTE: The Rotary Hammer has airtight construction, allowing long periods of use (approximately six months of regular usage) before lubrication.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	Cord not connected.	Check that cord is plugged in.
	2. No power at outlet.	Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.
	Tool's thermal reset breaker tripped (if equipped).	Turn off tool and allow to cool. Press reset button on tool.
	Internal damage or wear. (Carbon brushes or Trigger, for example.)	4. Have technician service tool.
Tool operates slowly.	Forcing tool to work too fast.	Allow tool to work at its own rate.
	Extension cord too long or cord diameter too small.	2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See <i>Extension Cords</i> in <i>Grounding</i> section on page 4.
	3. Internal lubrication cold.	Allow tool to operate with no load for 5 minutes before use.
Performance decreases over time.	Carbon brushes worn or damaged.	Have qualified technician replace brushes.
	2. Bit dull or damaged.	2. Keep bits sharp. Replace as needed.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	Forcing tool to work too fast.	Allow tool to work at its own rate.
	2. Bit dull or damaged.	2. Keep bits sharp. Replace as needed.
	3. Blocked motor housing vents.	Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
	Motor being strained by long or small diameter extension cord.	4. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See <i>Extension Cords</i> in <i>Grounding</i> section on page 4.



Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

Dogard Broductic Soviet November Heres			
Record Product's Serial Number Here: ₋ <u>Note:</u>		ourchase instead	
Note: Some parts are listed and shown fondividually as replacement parts. Specify	r illustration purposes only, a	and are not available	

LIMITED 90 DAYS WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com
For technical questions, please call 1-888-866-5797

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