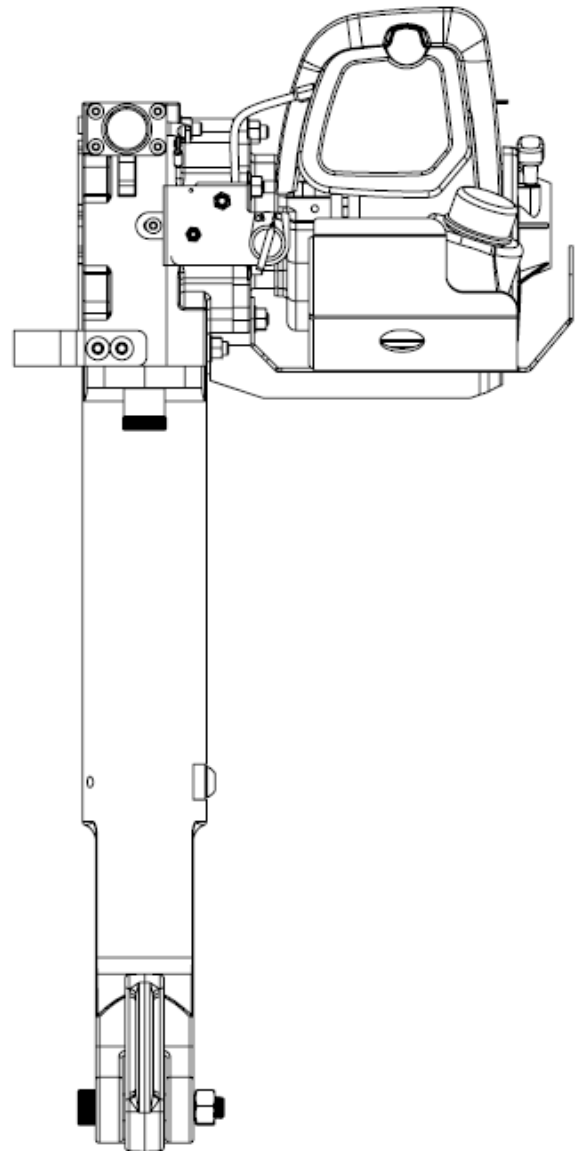
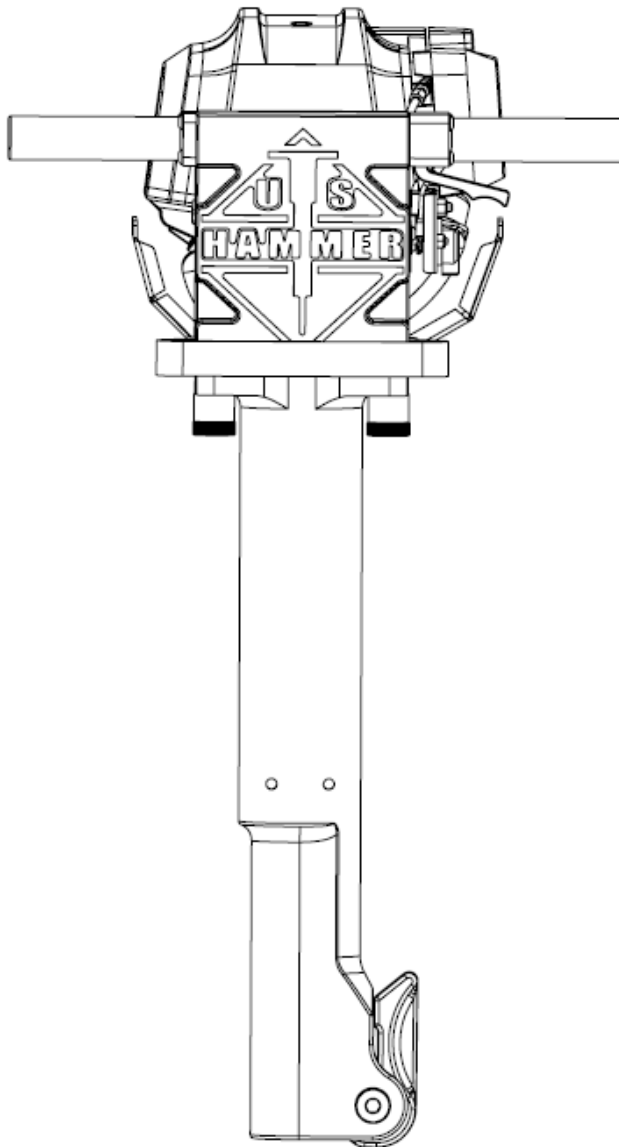


# US Hammer

Owner's manual GB70 & GB90





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# Introduction

Congratulations on your selection of a US Hammer Gasoline powered breaker.

This breaker was built with the Honda GX50 engine. Honda supplies its own owner's manual that covers all the operator and service procedures associated with the Honda engine. Please read this manual closely. The success that you experience with this tool is dependent upon your knowledge and understanding of how to properly operate and care for the Honda engine and US Hammer breaker.

## Safety

The US Hammer breaker was designed to break concrete, asphalt, and hard consolidated materials. Uses, other than those intended, can result in injury to the operator as well as those around the operator. Damage to the breaker and to the surrounding area may result as well.

This breaker is intended for use by professionals. Never allow children or untrained personal to operate this tool.

Most accidents can be prevented if you follow all instructions in this manual and on the breaker.

The most common hazards are discussed below, along with the best method to protect yourself and others.

**GASOLINE:** Gasoline is HIGHLY FLAMMABLE. DO NOT refuel the breaker with the engine running. DO NOT refuel If any part of the breaker is hot. Allow the tool to cool before refueling.

**EXHAUST:** The exhaust from the engine contains poisonous carbon monoxide gas that can build up to dangerous levels in closed areas. DO NOT operate this breaker indoors or in unventilated areas. California Prop 65 Warning, the engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**ENGINE MAINTENANCE:** Improperly maintaining the engine on this power tool, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously injured or killed. In accordance with the engine owner's manual, always perform a pre-operation inspection of the engine before each use and correct any problem.

**BREAKER MAINTENANCE:** Improperly maintaining the mechanisms of this power tool, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously injured or killed. In accordance with this manual, always perform a pre-operation inspection of these mechanisms before each use and correct any problem.

**PERSONAL PROTECTIVE EQUIPMENT:** Do not operate this breaker unless the operator is wearing safety glasses, safety shoes, hearing protection, gloves or any other safety equipment advised by, ANSI, NIOSH, OSHA, or any other safety regulatory agency.

**HEARING PROTECTION:** Hearing protection is required at all times. The breaker emits noise at and above 100 dB level. If not wearing protective gear, bystanders should keep a minimum distance of 20 feet (6 m) from the breaker while in operation.

**AIR POLLUTION:** Depending on the material being demolished, it is possible for hazardous particulate material to be expelled into the air. Proper precautions should be followed to prevent any hazards before they occur.

**PHYSICAL EXERTION:** The GB70 weighs more than 70lbs and the GB90 weighs more than 90lbs. The operation of these breakers requires physical exertion. **DO NOT** operate if you are not able to safely handle and operate the breaker.

## Intended use

The US Hammer GB70 and GB90 were designed and built to be used as a fast, convenient solution for the demolition of concrete and asphalt such as sidewalks, curbs, driveways, and patios. The GB70 is rated for up to 6-inch concrete while the GB90 is intended for up to 10-inch concrete. When used as intended, the GB70 and GB90 will provide exceptional results.

These tools are not intended to replace large pneumatic breakers or machine mounted breakers. Always use the properly sized tool for the job.

## Operating instructions

**FUEL & OIL:** Fill the fuel and check the oil level as described in the Honda owner's manual, with the breaker in the upright position. Pay close attention to the oil level and DO NOT OVERFILL.

**INSTALLING THE TOOL BIT:** The breaker accepts standard 1 1/8" hex tool bits. To install, place the breaker face down on a flat surface and pull the tool retaining lever out away from the breaker. Install the tool bit as desired and push the tool retaining lever back into place. Pull on the tool bit to confirm that it is securely held into to breaker. It should move freely for about 1" before being restrained.

**STARTING THE MOTOR:** As described in the Honda owner's manual. Turn the ignition switch to the on position. Set the choke lever to the choke on (closed) position. Press the carburetor fuel bulb minimum 5 times. Pull the start rope firmly and rapidly, being careful not to overextend the rope as damage to the recoil will occur. When the motor has started, turn the choke lever to the off (open) position and let the motor warm up.

**COLD STARTING OF THE BREAKER:** When the breaker is cold, it may be sluggish to start. This is normal.

The procedure for cold starting is as follows; Start the motor as described above and let the motor idle for 2 to 4 minutes to warm up. Position the breaker onto the material to be worked and squeeze the throttle rapidly into the full-on position. If the breaker does not begin to operate, release the throttle lever, and let the breaker warm for an additional 1 to 2 minutes, then try again.

DO NOT hold the throttle in the full-on position without the breaker functioning for more than 10 seconds as damage to the clutch could occur.

It is not uncommon, when the breaker is cold, to require two or three attempts to start the breaker to functioning.

**DRY FIRING CAUTION:** DO NOT dry fire the breaker! Dry firing is operating the breaker at any time when it is not engaged with the material to be demolished.

The breaker develops large amounts of energy. This energy needs to be directed into the material being broken, not into the breaker.

Only operate the breaker when it is engaged with the material and the operator is applying downward pressure to insure the engagement.

Once the tool has penetrated the material, **release the throttle lever**, and lift the breaker out of the work.

**GENERAL GUIDELINES:** The following are general guidelines for operating a breaker.

- Always try to keep the work area clear of clutter to avoid tripping hazards. The tool is heavy and requires frequent movement to be productive.
- Always try to work to give the broken material a place to move into. For example, if breaking a sidewalk, start at the edge and work inward. Do not start in the middle of the walk as the material being broken will not break. It will pulverize until there is enough room for the material to break.

- Hold the breaker upright, directing the energy into the concrete. This will cause the concrete to crack and break into manageable pieces. Try not to hold the breaker at a steep angle to the work as this will chip off pieces of concrete. Once the bit is firmly in the concrete move the breaker at an angle to assist breaking through the concrete.
- Work the job in a matter to avoid sticking the tool bit. Stop hammering when you get to the end of the taper on the leading edge of the tool bit and move over a few inches to a new location. This will continue cracking / breaking the concrete without getting the bit stuck. If the bit does get stuck, DO NOT operate the breaker while pulling up on the breaker. This is dry firing as described above. Let the breaker idle then lift/pull up rapidly on the breaker itself. Alternatively, install another tool bit and continue breaking next to stuck bit until it is freed.
- Apply downward pressure on the breaker when operating. This helps direct the energy into the material being broken. Be patient, let the breaker do the work. When the concrete breaks and the tool penetrates, release the throttle, and pull back on the breaker causing the broken concrete to move away from the next piece to be broken. This will make room and the breaking of the next piece easier.
- Be aware of the temperature of the breaker. Particularly in hot climates or environments. High temperatures can damage the internal working of the breaker. If the body or handles are hot to the touch (hot is above 180F), Stop and let the breaker cool before continuing work.
- Be careful when placing the breaker on the ground. DO NOT drop the breaker or let go of it from a standing position. It is possible to damage the breaker or motor by letting it fall to the ground. The breaker has a face guard that is meant to support the breaker laying on the ground when it is



not in use. Alternately, US Hammer produces a cart specifically to hold the breaker and bits for convenience and protection of the breaker.

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- Choose the right breaker and tool bit for the job. For example, it is not advisable to try and demolish 12 thick concrete with a GB70 and asphalt cutter. It will do the work, but you may not be satisfied with the time and effort it requires.

## Service

Service and maintain the Honda GX50 motor as described in the provided Honda owner's manual.

Before each use, inspect the US Hammer breaker for any obvious defects, loose bolts or nuts, cracks in the casting or any leaks from around the motor area.

US Hammer mechanism does not require any additional grease or maintenance.

Parts breakdowns and parts list can be found on the US Hammer website: [www.ushammer.com](http://www.ushammer.com)

# Limited Warranty

US Hammer warrants to the original purchaser, purchasing the Equipment in new condition, in original packaging from US Hammer or an authorized dealer that its Gasoline Powered Breaker will be free from defects in workmanship and materials (the "Limited Warranty"). The Limited Warranty shall survive for the duration of twelve (12) months from the date of original purchase.

The limited warranty excludes the Honda GX50 engine for which US Hammer provides no warranty and for which the warranty provided by American Honda Motor Co.; Inc. shall be the sole warranty applicable thereto. This Limited Warranty is non-transferable.

For Warranty Claims contact US Hammer directly. Proof of purchase date and serial number is required.

In the event of a warranty repair, the breaker should be returned to US Hammer. US Hammers obligation under this Limited Warranty is expressly limited to the repair or replacement, at US Hammers election, of such defective Gasoline Powered breaker, which is proved to be defective upon inspection by a US Hammer certified/authorized technician.

This Limited Warranty does not extend to a Gasoline Powered Breaker Which has been subject to misuse, neglect, or accident, nor does it extend to any Gasoline Powered Breaker which has been repaired, altered, or serviced by unauthorized persons. This Limited Warranty does not cover any damage or adjustments required to any Gasoline Powered Breaker if such damage or adjustment is caused by the use of supplies, parts, or attachments not sold or approved by US Hammer.

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