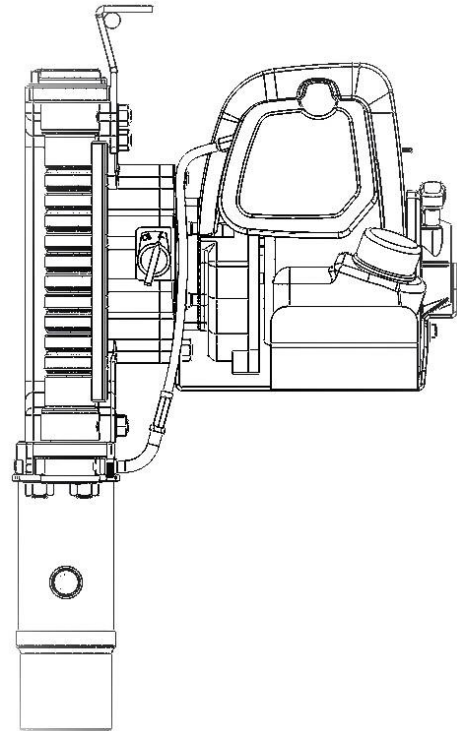
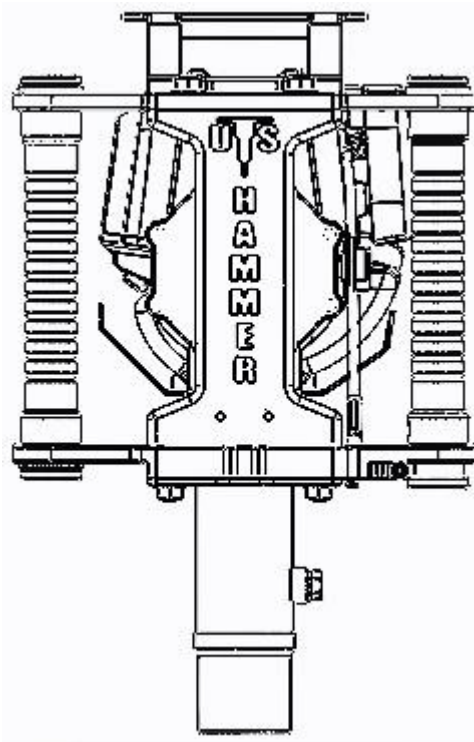


# US Hammer

Owner's manual PD50





# Table of contents

Introduction	1
Safety information	1-2
Intended use	3
Operating instructions	3-4
Installing the post adaptor	3
Cold starting the Honda motor	3
Cold starting the Post Driver	3
Driving a post	4
Driving a tall post	4
Dry firing caution	4
Stuck Post Driver caution	4
General guidelines	5
Service	6
Limited warranty	7
Contact information	8

# Introduction

Congratulations on your selection of a US Hammer Gasoline powered Post Driver.

This Post Driver 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 Post Driver.

## Safety

The US Hammer Post Driver was designed to drive posts. Uses, other than those intended, can result in injury to the operator as well as those within the work area. Damage to the Post Driver and surrounding area may result as well.

This Post Driver 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 Post Driver.

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

**UNDERGROUND UTILITIES:** Prior to driving any object into the ground, have the location of all utilities identified by a certified locating service.

Driving a post into any underground utility can be **EXTREAMLY DANGEROUS.**

It is the operator's responsibility to know the location of all utilities in the work area. Underground utilities may include but are not limited to, electric, gas, telephone, water, sewer, TV cable, lawn sprinkler lines and control wires.

**GASOLINE:** Gasoline is HIGHLY FLAMMABLE. DO NOT refuel the Post Driver with the engine running. DO NOT refuel If any part of the Post Driver 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 Post Driver 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.

**POST DRIVER 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 Post Driver 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 Post Driver 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 driver while in operation.

**PHYSICAL EXERTION:** The Post Driver can weigh more than 50lbs, when full equipped. The operation of the Post Driver requires physical exertion. DO NOT operate if you are not able to safely handle and operate the Post Driver.

**DRIVING TALL POST:** Occasionally posts are taller than can be reached from ground level. Do not work from a ladder to drive a post. If so equipped, use the optional extension handles to control and guide the Post Driver from ground level. Extension handles can be ordered from US Hammer for any Post Driver equipped with a twist throttle.

## Intended use

The US Hammer Post Driver PD50 are designed and built to be used as a fast, convenient solution for driving post. The PD50 will drive many different sizes and shapes of post with the proper adaptor and selection of post for the ground conditions. When used as intended, the PD50 will provide exceptional results.

These tools are not intended to replace large pneumatic drivers or machine mounted drivers. Always use the proper 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 Post Driver in the upright position. Pay close attention to the oil level and DO NOT OVERFILL.

**INSTALLING THE POST ADAPTOR:** The driver comes equipped with either a 2½" or a 3¼" receiver, choose the correct size adaptor to fit the receiver and fit the post to be driven. The adaptor should be about ¼" larger than the post to be driven. For example, a tee post that measures 1½" at its widest, should use a 1¾" adaptor. Install the adaptor into the receiver by laying the driver face down and loosening the lock bolt on the side of the receiver. Fully install the adaptor into the receiver and retighten the lock bolt. The lock bolt should engage the lock groove on the adaptor and not tighten directly onto the adaptor. After installation, it is normal for the adaptor to still be loose in the receiver but when pulled on, it will not pull out.

**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 DRIVER:** When the driver is cold, it may be sluggish when first starting to actuate the driver. This is normal. Let the driver idle for a few minutes to warm up and then operate as normal.

DRIVING A POST: With the motor running and the correct adaptor installed, place the bottom of the post to be driven on its proper location. Place the Post Driver on top of the post to be driven and ensure that the post is aligned straight. With both hands on the driver, pull down and actuate the throttle fully. Continue pulling down on the Post Driver the entire time the post is being driven. When the post reaches the desired depth, release the throttle, and lift the driver off the post.

It is important that you pull down on the driver, keeping it engaged with the post the entire time the post is being driven.

DRIVING A TALL POST: With the motor running and the correct adaptor and extension handles installed, place the bottom of the post to be driven on its proper location and lean the post to one side. Place the Post Driver on top of the post to be driven and use the post to lift the driver into position. Ensure that the post is aligned straight and grip the extension handles with both hands, pull down and function the throttle fully. Continue pulling down on the Post Driver the entire time the post is being driven. When the post reaches the desired depth, release the throttle, and lift the driver off the post using the extension handles.

DRY FIRING CAUTION: DO NOT dry fire the Post Driver! Dry firing is operating the driver at any time when it is not engaged with the post to be driven.

The driver develops large amounts of energy. This energy needs to be directed into the post being driven, not into the driver.

Only operate the Post Driver when it is engaged with the post and the operator is applying downward pressure to insure the engagement.

Once the tool has driven the post, release the throttle lever, let the motor slow to an idle and lift the Post Driver off the post.

STUCK POST DRIVER CAUTION: Occasionally during driving in hard grounds or if the driver is allowed to bounce on top of the post being driven, the post end will flare causing the driver to be stuck on the post. To resolve, loosen the adaptor lock bolt and allow the adaptor to remain on the post as the driver is lifted off the post. Using a suitable tool, cut the flare off the post, then remove the adaptor from the post and reinstall on the Post Driver.

GENERAL GUIDELINES: The following are general guidelines for operating a Post Driver.

- 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 pay attention to the placement and straightness of post being driven.
- Always try to keep the Post Driver as straight and centered on to the post as possible.
- Apply downward pressure on the driver when operating. This helps direct the energy into the post being driven. Be patient, let the driver do the work. When the post is driven, release the throttle, and then lift the driver off the post.
- Be aware of the temperature of the Post Driver. 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 driver cool before continuing work.
- Be careful when placing the driver on the ground. DO NOT drop the driver or let go of it from a standing position. It is possible to damage the driver or motor by letting it fall to the ground. The Post Driver has a face guard that is meant to support the driver laying on the ground when it is not in use. Alternately, US Hammer produces an optional cart, specifically to hold the driver and adaptors for convenience and protection.
- Choose the right Post Driver for the job. For example, it is not advisable to try and productively drive a 3" post 4' deep, it may 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 Post Driver for any obvious defects, loose bolts or nuts, cracks in the casing 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 Post Driver 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 Post Driver 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 Post Driver, 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 Post Driver which has been subject to misuse, neglect, or accident, nor does it extend to any Gasoline Powered Post Driver 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 Post Driver 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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## Contact information

US Hammer, Inc.  
120 Pioneer Avenue  
Woodland, CA 95776

Telephone (888) 508-7426  
Fax (530) 662-1042

[www.ushammer.com](http://www.ushammer.com)