CROMMELINS POST PULLER
MODEL PP6000HP

OPERATION & INSTRUCTION MANUAL

Thank you for selecting a Crommelins Post Puller . This Operation Manual explains its use, installation, checking and maintenance. We highly recommend that you retain this manual for ready reference regarding its proper handling.





Head Office: (08) 9350 5588
www.crommelins.com.au

Sales: 1300 650 659
Customer Service 1300 554 524
email@crommelins.com.au

Thank you very much for purchasing a Crommelins Post Puller which can be used by fencing contractors, landscaping, farmers, shires and councils, hire industries and general use. Never use this generator for any other purpose. This manual covers its operation and maintenance.

Please take a moment to familiarise yourself with the proper operation and maintenance procedures to ensure the safe and efficient use of this product. Keep this manual at hand, so that you can refer to it at any time.

Due to constant efforts to improve our products, certain procedures and specifications are subject to change without notice.

When ordering spare parts, please have handy the product's model and serial numbers. Please fill in the following blanks after checking the model and serial numbers of your product. (The location of these numbers varies depending on product).

MODEL NO													
SERIAL NO													

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1.0 WARRANTY

CROMMELINS™ and CROMTECH™ are a registered trademark of Crommelins Machinery. Crommelins warrants their goods against defects in materials and workmanship under normal use and service. Crommelins Machinery warranty does not cover fair wear commensurate with the age of the product, any damage caused by accident, abuse, misuse, neglect, or failure to observe proper operating instructions or proper machinery maintenance as described in the instruction manual.

It is the owner's responsibility to regularly maintain a product in accordance with the instruction manual and only use the equipment for its designed purpose.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

2.0 CONSUMER ADVICE

Any claim under these warranties must be made in the warranty period from the date of purchase of the product.

To make a claim under the warranty, you must return the product (with proof of purchase) to the closest warranty agent or to the place of purchase.

There are over 185 national authorised service/repair agents available, visit www.crommelins.com.au for their details and locations.

Where a failure does not amount to a major failure, Crommelins Machinery is entitled to choose between providing you with a repair, replacement, or refund. To obtain compensation, you would need to provide documentary evidence of the loss or damage suffered, and documentary evidence that such loss or damage was a reasonably foreseeable consequence of a failure by Crommelins Machinery to comply with a consumer guarantee under the Australian Consumer Law.

Crommelins Operations Pty Ltd trading as Crommelins Machinery and Crommelins Australia.

CROMMELINS MACHINERY:
Ph: (08) 9350 5588
email@crommelins.com.au
www.crommelins.com.au
ABN 11 008 889 656

3.0 GENERAL DESCRIPTION

The Post Puller is powered by a 4-Stroke engine. Its purpose is to assist you in removing pickets or posts out of the ground. This unit is covered by a 1 year manufacturer's warranty and a 3-year warranty on your engine. SAFETY PRECAUTIONS This manual contains important information on how to use Crommelins Post puller properly and safely. You must read through this manual carefully before you attempt to operate this product.

Take safety seriously, Crommelins Post puller are designed to give safe and dependable service if operated according to the instructions. Pay special attention to statements preceded by the following words:

WARNING	**"WARNING" indicates a strong possibility of severe personal injury or loss of life if instructions are not followed.**
CAUTION	**"CAUTION" indicates a possibility of personal injury or equipment damage if instructions are not followed.**

4.0 SAFETY PRECAUTIONS

4.1 RESPONSIBILITY

WARNING

- The Crommelins Post puller may only be operated by persons who are familiar with the safety rules and the operation manual. First and foremost, users must be able to stop the machine immediately.
- Never let your post puller run unattended. When not in use, shut it off to prevent unauthorized persons from using it.
- Operators are responsible for all damage caused to a third party.
- The Crommelins Post puller is only to be used for the purpose of removing posts from the ground. Misuse may result in serious injury to yourself or others, as well as causing damage to your driver or other surrounding property.
- If the machine is used for any other purpose than described, the warranty and the responsibility of both the manufacturer and distributor will be null and void.
- The warranty will also be invalidated in the case of unauthorized intervention on the machine and whenever the safety instructions, as described in the following enclosures, are not followed.
- The user should be aware of the rules and regulations concerning the environment and noise levels. When using the Crommelins Post puller it is necessary for the user to wear personal protective equipment against noise (ear protection).
- In case of professional use of the Crommelins Post Puller, the instructor must provide the user of the driver with sufficient (written) instructions to guarantee safe use.

4.2 SAFETY INSTRUCTIONS & WARNING

WARNING

- Do not operate indoors
- Refrain from touching the engine's exhaust or any metal parts of the body with bare hands.
- Ensure the use of hearing, eye, head, hand, and foot protection at all times during operation.
- Wear a safety helmet when removing posts.
- Avoid placing hands near jaws or the lifting carriage during operation.
- Always switch off the engine before changing jaws or installing the marquee peg puller.
- Stand behind the machine while it's in operation.
- Do not attempt to lift the machine alone.

- Only trained individuals should operate the machine; keep children and untrained persons away from it.
- Maintain a clear safety perimeter around the machine during operation, determined by the height of the post being removed.
- Do not operate the machine in unsafe environments.

4.3 PERSONAL PROTECTIVE EQUIPMENT (PPE)

WARNING

Always use approved protective equipment. Operators and all other persons in the immediate working area must wear protective equipment as well. Noise emitted from the machine while working can reach above 100db which can also harm others nearby, please consider this while operating.

- Personal protective equipment that is recommended, but not limited to is:
- Hearing protection with minimum class 4 Greater than 22db attenuation
- Impact resistant eye protection with side guards
- Protective gloves
- Protective boots
- Safety helmet

4.4 VIBRATION HAZARD WARNING

WARNING

Prolonged use of a power tool exposes the operator to vibrations which may cause white finger disease or carpal tunnel syndrome. These conditions reduce the hand's ability to feel and regulate normal temperature, produce numbness and burning sensations and may even cause nerve and circulation damage. If numbness, tingling, pain, clumsiness, weakened grip, whitening of the skin, or any other symptoms occur at any time when operating the machine, or when not operating the machine; immediately discontinue use of the machine and seek medical attention. Continued use of the machine after the occurrence of any such symptom may increase the risk of symptoms becoming more severe and/or permanent.

- Wear gloves for comfort and grip. Keep hands warm while operating.
- Check the machine for loose connectors / components, as these could lead to increased levels of vibration.
- Always keep a firm grip on the handles, however, do not excessively squeeze the handles.

4.5 MAINTENANCE WARNING

WARNING

If the warning labels on your post puller are not able to be clearly read, replace them immediately. Call your local service agent for new warning labels.

Regular maintenance is a prerequisite for keeping the machine safe and effective. Carefully follow all the operating instructions. Any damage or malfunction caused by unauthorized use, parts, or modifications to the machine will not be covered by warranty or carry any significance for any type of product liability.

- Do not use the equipment if wear or damage is evident. Replace damaged parts immediately.
- Comply with occupational health and safety regulations when servicing the equipment, and make sure you have adequate ventilation when using cleaning fluids.
- Engine maintenance is to be carried out according to the engine manual. The operator needs to take careful note of all warnings and dangers also outlined in the engine manual.
- For major service / repairs contact your local service agent.

5.0 OPERATION INSTRUCTIONS

5.1 INTRODUCTION AND UNDERSTANDING YOUR POST PULLER

Your post puller is designed to be as effective and efficient as possible.It is very important to understand that your post-puller is a powerful machine. With proper use and maintenance, your post puller will provide many years of service.

WARNING

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To reduce the risk of serious injury or death to yourself or others; you must read and understand the safety and operating instructions in this operator's manual. Every new person who uses this machine must be educated and fully understand the operator's manual. Never allow an un-informed person to use your post puller .



5.2 ACTIONS BEFORE STARTING

Follow these guidelines every time you use your machine!

- Place the machine on a secure solid surface out in an open area.
- Check engine oil.

CAUTION

Oil **MUST** be filled into engine before starting the engine. Refer to engine manual for oil levels, type. Use oil specified in manual.

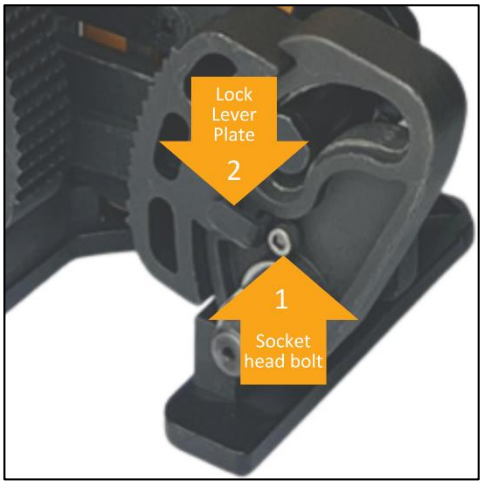
DO NOT overfill, always hold driver in upright position to check oil level! Proper oil level is essential for the correct operation of the post puller . Overfilling the oil will result in loss of power and could cause permanent damage to your engine.

- Check the fuel level, use petrol unleaded fuel only.
- Check all fasteners and tighten as may be necessary.
- Do not use your Crommelins Post puller if there is any damage or wear to any of the controls or safety devices.
- Be sure to use all the recommended personal protective equipment.

5.3 FITTING THE JAWS



Base Plate and Jaws





Completed jaw assembly.

STEP 1 Select jaw size: Determine the appropriate jaw size based on the diameter of the post being removed. The jaws are marked with a range of sizes to accommodate different post dimensions.

STEP 2 Loosen Socket Head Bolt: Using the provided tools, loosen the socket head bolt on the jaw assembly. Just loosen it sufficiently to allow adjustment and NOT fully remove the socket head bolt

STEP 3 Adjust Locking Plate Lever: Allow the locking plate lever to drop vertically by adjusting its position. This will facilitate the removal and replacement of the jaw.

STEP 4 Remove Existing Jaw from the jaw assembly. Take care when handling the jaw to avoid any damage.

STEP 5 Fit Replacement Jaw: Align the replacement jaw with the jaw assembly, ensuring it is positioned correctly. Follow the provided instructions or illustrations for proper alignment.

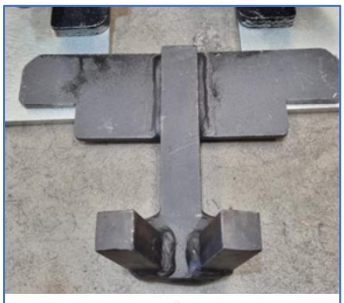
STEP 6 Reposition Lock Lever Plate: Once the replacement jaw is in place, reposition the lock lever plate to the horizontal position. This secures the jaw in place during operation.

STEP 7 Tighten Socket Head Bolt: Use the provided tools to tighten the socket head bolt securely. Ensure that the replacement jaw is firmly fixed in position to prevent any slippage or movement during use.

STEP 8 Verification: Double-check that the replacement jaw is securely attached and aligned properly with the jaw assembly. Confirm that the locking mechanism is engaged correctly.

STEP 9 Testing: If applicable, perform a test operation to ensure that the replacement jaw functions properly and securely grips the post.

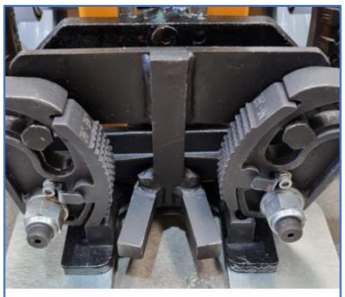
5.1 FITTING THE MARQUEE PEG PULLER



1



2



3



4

STEP 1 Prepare Jaws: Before fitting the marquee peg puller, ensure that a set of jaws is securely in place on the machine.

STEP 2 Position Puller: With the V-shaped end of the puller facing downwards, align it so that it is pointing towards you (refer to picture 1).

STEP 3 Insert Puller: Place the top part of the puller in the gap between the rear of the jaws and the jaws carriage (as shown in pictures 2 and 3).

STEP 4 Check Clearance: Ensure that there is a clearance of at least 50mm from the bottom of the marquee pegs head to the ground, allowing enough space for the V-shaped end of the puller to slide underneath it (refer to picture 4).

5.2 THROTTLE CONTROL



5.3 SAFE STARTING OF YOUR PULLER

WARNING

- You **MUST** read and understand the safety and operating instructions in this operator's manual, to reduce the risk of serious injury or death to yourself or others.
- You **MUST** read the Honda owners manual to familiarise yourself with the Honda engine.
- **NEVER ALLOW** an un-informed person to use your post puller. Every new person who uses this machine must be educated and fully understand the operator's manual.
- **USE ONLY** the Recoil Start to pull the starter rope, do not allow Recoil Start to snap back, let the starter rope return gradually. **DO NOT** extend the starter rope to its full length. **FAILURE** to follow this procedure may result in **SERIOUS INJURY** to hand or fingers, or may damage the starting mechanism.
- Maintain a good safe posture and balance.
- **DO NOT** start the driver anywhere except in an open and well-ventilated area. **NEVER USE** your machine inside an enclosed building.

The Crommelins Post Puller is fitted a genuine Honda GX50 Petrol engine.

STEP 1 Position the Machine: Move the machine up to the post that needs to be removed, ensuring it is centered between the jaws.

STEP 2 Follow the "safe starting" procedures listed above and start the engine with the choke in the "OPEN" position.

STEP 3 Start the Engine: Start the engine by pulling the starter grip 3 to 5 times and allow it to warm up to operating temperature.

STEP 4 Engage Throttle Control: Stand behind the machine and grasp the throttle control located on the top handlebar. Disengage the safety lever and pull the throttle trigger lever until the engine reaches full revolutions per minute (RPM).

STEP 5 Initiate Post Removal: As the engine reaches full revs, the jaws will automatically raise and clamp onto the surface of the post, initiating the removal process.

STEP 6 Monitor Operation: Watch the progress of the removal process. When the jaws reach the top of the mast, the jaw carriage assembly will automatically release the post and drop down to the bottom. The jaws will automatically re-clamp onto the post and continue pulling it out. Maintain the engine at full revs.

NOTE: During the re-clamping action, it may be necessary to steady the post manually as it could drop back into the hole. Exercise caution and ensure proper support to prevent any accidents or damage.

5.4 STOPPING THE ENGINE

To stop the engine push the red stop button on the throttle assembly. Once stopped, the switch automatically resets to ON for easy restarting.

5.5 RESTARTING A HOT ENGINE

If the engine is operated at a high ambient temperature for a good amount of time, and then turned off to sit for a short time to cool off, it may not restart on the first pull.

WARNING

USE the following procedure; FAILURE to do so may result in personal injury!

5.6 REFUELLING YOUR POST PULLER

WARNING

- **NEVER** refuel your post puller with the engine hot or running.
- Fuel vapours are extremely flammable and can cause **SEVERE INJURY OR DEATH** if ignited by a spark or excessive heat from a hot engine.

- Always switch the engine "OFF" and allow adequate time to cool down before refuelling. Use unleaded fuel only
- Do not overfill the fuel tank
- Ensure the fuel cap is adequately tightened before restarting the engine.

6.0 MAINTENANCE

The Crommelins Post puller has been manufactured and designed to give you years of trouble-free use. Always refer to the engine manual for service and maintenance guidelines on your engine. The following maintenance guidelines will keep your machine in top performance condition. Always take care to properly store your Crommelins Post Puller.

6.1 EACH USE

- Check engine oil level by holding the machine in an upright position.Use recommended oil to top off oil if necessary.
- Check the engine air cleaner, if overly soiled; clean or replace.
- Check all post puller fasteners and retighten if necessary. If you choose to re-install any bolts with new Loctite; you must clean the bolt and the area of the bolt hole with parts cleaner to remove any grease residue, or the Loctite will not be effective if grease is present.

6.2 FIRST 10 HOURS USE:

- Change engine oil following the guidelines in your engine manual. Dispose of discarded oil in accordance with all your local, state, and federal regulations.

NOTE: Do not overfill; always check the oil level by holding the machine in an upright position!

6.3 EVERY 3 MONTHS OR 25 HOURS OF USE:

- Change engine oil following the guidelines in your engine manual. Dispose of discarded oil in accordance with all your local, state, and federal regulations. Do not overfill!
- Replace air cleaner elements. This should be performed more often if your post puller is operated in dusty conditions.

7.0 FEATURES AND SPECIFICATIONS

7.1 Specifications

Model No	PP6000HP
Picket Capacity	0 – 85mm capacity
Engine	HONDA GX50 2hp four stroke engine
Safe Endurance Strength of Transmission Chain	30000N (3059 kg)
Ultimate Tensile Strength	65000N (Based on in-house testing)
Puller Power	30000N (3059kg) (Theoretical value)
Fuel Type	Petrol
Weight	58kg
Dimensions	1090mm x 610mm x 480mm
Engine Warranty	3 years
Manufacturer Warranty	1 year

7.2 Puller Jaws Set

Size	QTY
0~25mm	1 set
25~45mm	1 set
45~65mm	1 set
65~85mm	1 set
TENT STAKE ADAPTER FORKED JAW	1 piece