BMPD-H120 POST DRIVER & TROLLEY

OPERATOR'S MANUAL

MODEL

Super Maxi Post Driver
CODE: BMPD-H120
SKU 100145

Post Driver Trolley
CODE: BMPD-H120-TROLLEY
SKU: 101095

SERIAL NUMBER

_____

PURCHASE DATE

_____

POWERED by HONDA



This User Manual covers the Bullmax Post Driver Component.
Refer to the Honda User Manual for safe operation of the Honda GX50 engine.

SUPER MAXI POST DRIVER

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INTRODUCTION

Thank you for choosing the Bullmax Super Maxi Post Driver. The performance of this tool is dependent upon your knowledge of the information contained in this operator's manual and your understanding of the operation and care of the engine installed on your Bullmax Post Driver. This post driver is powered by a Honda GX50 engine. Honda supplies its own operator's manual, which covers all aspects of operating and maintaining your Honda engine. The Honda manual is provided to you along with this Bullmax Post Drivers operator's manual. Keep both manuals with your machine for reference by all operators. Follow all recommended maintenance for both the Bullmax Post Driver and the Honda engine. Your Bullmax Post Driver comes with a one-year parts warranty (see warranty terms on Page 17-18 of this manual). We suggest that you read the warranty information and fully understand its coverage and your responsibilities of ownership. To register your Bullmax Post Driver, simply fill out and return the warranty registration card enclosed with your machine. The Honda warranty is separate from the Bullmax Post Driver warranty and is subject to its own coverage conditions and responsibilities of ownership. You can find the Honda warranty included with your Honda operator's manual. Please contact your Bullmax local dealer for parts or technical questions related to your post driver warranty. Please contact your local Honda service dealer for parts or technical questions related to your engine.



BMPD-H120

SAFETY WARNINGS

This post driver is intended for use by informed adults only. Never allow children or uninformed persons to operate this machine. Never let your post driver run unattended. When not in use, turn the driver off to prevent unauthorized persons from using it. **DO NOT** use the Bullmax Post Driver for any purpose other than driving posts or rods into the ground. Misuse may result in serious injury to yourself or others, as well as damage to your driver or other surrounding property.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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 100 decibels, which can also harm others in close proximity. Please consider this while operating. We recommend the following personal protective equipment:

- Class 4 (SLC80 = 22.4 dB) hearing protection or greater
- Impact-resistant eye protection with side guards
- Protective gloves
- Protective boots

UNDERGROUND UTILITIES

Prior to driving any object into the ground, always have the location of underground utilities identified by a certified locating service. Driving posts or rods into an underground utility line can be extremely dangerous. Severe or life-threatening personal and property damage can occur. Be absolutely certain you know where the underground utilities are located. Underground utilities that may be present include, but are not limited to, electric, gas, telephone, water, sewer, TV cable, or lawn sprinkler lines.

PETROL AND EXHAUST

Petrol is highly flammable and explosive. You can be seriously injured when not handling and storing petrol properly. Always use an approved fuel storage container for your fuel. Never attempt to add petrol to your Bullmax Post Driver while the engine is hot or running, as there is a chance of fumes igniting and causing severe personal damage, as well as damage to your machine. Never use the Bullmax Post Driver inside a building or unventilated area. The engine exhaust contains poisonous carbon monoxide gas that can build up to dangerous levels in closed areas. These fumes can cause unconsciousness or death.

VIBRATION HAZARD 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 ability of the hands 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.

- Bullmax Post Drivers are designed with internal spring-dampened handles to reduce the amount of vibration transmitted to the operator.
- Wear gloves for comfort and grip. Keep hands warm while operating.
- Check the machine for loose connectors and components, as these could lead to increased levels of vibration.
- Keep a firm grip on the handles at all times, but **DO NOT** excessively squeeze the handles.

MAINTENANCE WARNING

If the warning label on your post driver is not able to be read clearly, replace it immediately. Call Bullmax for a new warning. Regular maintenance is a prerequisite for keeping the machine safe and effective. Carefully follow all the operating instructions in this manual. Any damage or malfunction caused by unauthorised use, parts, or modifications to the machine will not be covered by warranty or carry any significance for any type of product liability.

- Change damaged parts immediately.
- Replace worn components as soon as they are identified.
- When cleaning mechanical parts with solvent, make sure to comply with safety precautions on the cleaning product labels, and make sure you have adequate ventilation.
- Engine maintenance is to be carried out according to the Honda specifications found in the Honda GX35 manual. The operator needs to take careful note of all warnings and dangers outlined in the engine manual.
- For major service or repairs to the machine, contact your Bullmax local dealer.
- For engine service or repairs, contact your local Honda dealer.

OPERATING INSTRUCTIONS

Your Bullmax Post Driver is designed to be as effective and efficient as possible, while being extremely powerful and lightweight. It is very important to understand that your post driver is a powerful machine. With proper use and maintenance, your Bullmax Post Driver will provide you with many years of service.

To reduce the risk of serious injury or death, you must read and understand the safety and operating instructions in this operators manual. Each and e\ery new person who uses this machine must be educated and fully understand this operatorffl manual. Never allow an uninformed person to use your Bullmax Post Driver.

- The Bullmax Petrol-Powered Post Driver is 100% self-contained. No other sources of power such as hydraulics or air compressors are required.
- Custom, center-bored reducer sleeves are available for the BMPD-H120 to use for ground rods, rebar, and other types of stakes. **DO NOT** use without the correct size sleeve.
- Be sure to read and understand the starting instructions for the Honda GX50 engine.
- Your Honda GX50 engine is inclinable, which means it is designed to operate at any angle.
- For optimum performance, the machine is designed to be used with low-grade viscosity grease. We recommend Bullmax Rocker Hammer Grease. Any other type of grease will be detrimental to the function of the machine.

FOR OPTIMUM PERFORMANCE AND TO PREVENT THE POTENTIAL FOR DRY-FIRE OR MISFIRE, PLEASE FOLLOW THESE GUIDELINES:

1. Always maintain 4-5 kilograms of down-pressure while driving a post.

2. Keep the driver level on the post at all times.

3. **DO NOT** allow the barrel of the driver to come in contact with the ground.

4. **DO NOT** push the throttle trigger unless driver is loaded on the post.

5. Your driver will arrive with grease in the crank. **DO NOT ADD ANY ADDITIONAL GREASE UNTIL NECESSARY**. Check the crank grease level about every 3 months.

6. In the event of dry-fire or misfire, you will need to re-engage the anvil by lifting the driver up and setting it back down on the post with some pressure applied.

7. Continual dry-fire or misfire will cause damage to your driver, which will not be covered under the terms of the warranty.

DRIVING A POST

- Put on personal protective equipment as outlined in this manual.
- Start the engine safely as outlined on page 6.
- Take a firm stance with weight evenly distributed on both feet. Keep both feet securely planted at a minimum of shoulder width apart. ALWAYS maintain a solid balance while driving posts.
- Lift the post driver onto the post, and ensure that the driver is sitting level and the post is centered up in the barrel of the post driver. To help keep your post driver level, use the correct adapter sleeve. If not aligned properly, you could cause damage to the machine or your post. See Figure 1.
- Pull down on the machine handles to apply approximately 4-5 kilograms of down-pressure to help the internal hammer mechanisms remain in the correct operating position. Once you are confident that the machine is being held level and the post is centered, gently engage the throttle trigger until the hammer action is felt.
- When you are sure the post is moving down into the ground correctly, depress the throttle trigger fully, and drive your post down to the desired depth. **ALWAYS** keep both hands on the driver and maintain the 4-5 kilograms of down-pressure while driving the post into the ground.
- Be sure the barrel of the driver does not come in contact with the ground. This will take the downpressure off the machine and may cause unnecessary damage to your driver.
- When the post is at the desired depth, fully release the throttle trigger and gently slide the machine off the post. Move to the next post and repeat the above procedure. **ALWAYS** fully release the throttle trigger to stop the hammer action prior to removing from the post. You

can leave the engine idling, there is no need to repeatedly turn the engine on and off.

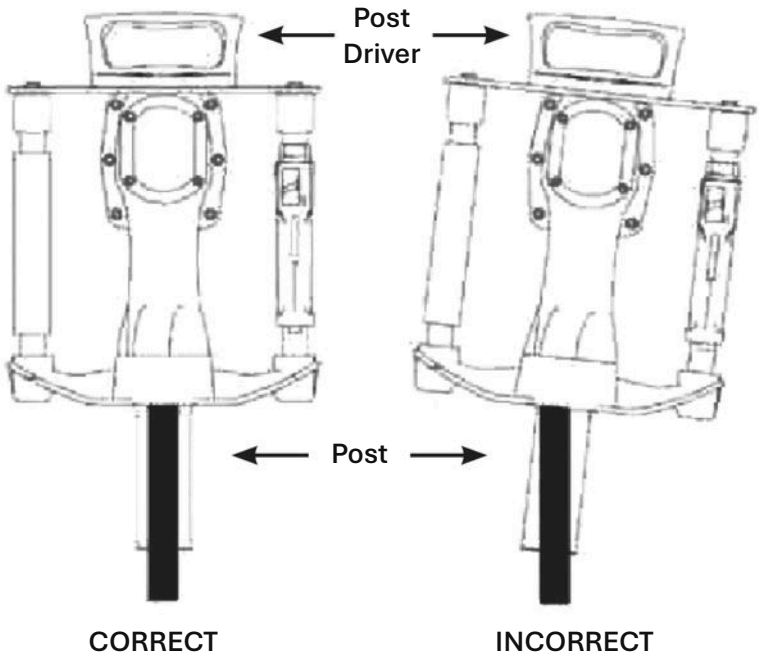


FIGURE 1:

POST DRIVER

LEVEL EXAMPLE

REFUELING

- Always turn the engine off and allow adequate time for it to cool before refueling.

ONLY USE PREMIUM UNLEADED FUEL.

- **NEVER** refuel your driver with the engine hot, running, or in an unventilated area. Fuel vapours are extremely flammable and can cause severe injury or death if ignited by a spark or excessive heat from a hot engine.
- Fill the tank on level ground and avoid spilling the fuel on the motor. Always allow any spilled fuel to evaporate before restarting the engine.
- Ensure the fuel cap is adequately tightened before restarting the engine.

SERVICE AND MAINTENANCE

The Bullmax Petrol-Powered Post Driver has been manufactured and designed to give you years of trouble-free post driving. Always refer to the Honda GX50 manual for service and maintenance guidelines on your engine. The following maintenance guidelines will keep your machine in top-performing condition. Be sure to properly store your Bullmax Post Driver. **DO NOT** lay it horizontally on the driver side or resting on the engine. The recommended method of storing is in an upright position, however, if this is not possible, place it on a flat surface with the barrel and brush-guard supporting the machine at an angle, so that the top handle is the highest point.

If you are experiencing an issue with the Honda engine, please contact your local Honda dealer for parts and service. Bullmax Post Driver does not carry the engine parts for Honda, nor does Bullmax Post Driver determine the warranty, which is honored by Honda.

BEFORE EACH USE:

1. Check the engine oil (Refer Honda User Manual).

2. Check the engine air filter (Refer Honda User Manual).

3. Check all post driver fasteners and retighten if necessary. If you choose to reinstall 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. The Loctite will not be effective if grease is present. Follow any torque requirements.

4. Visually check the inside of the barrel and the anvil for any debris or foreign objects.

5. Check for any fluid leaks.

FIRST 10 HOURS USE:

1. Change the engine oil following the guidelines in your Honda GX50 manual. Dispose of discarded oil in accordance with all local, state, and federal regulations. **DO NOT OVERFILL**.

2. Check all engine and post driver fasteners and retighten if necessary. If you choose to replace or reinstall any bolts with new Loctite, follow the above listed guidelines pertaining to Loctite. Follow any torque requirements.

EVERY 3 MONTHS OR 25 HOURS OF USE:

1. Change the engine oil following the guidelines in your Honda GX50 manual. Dispose of discarded oil in accordance with all local, state, and federal regulations. **DO NOT OVERFILL**.

2. Replace air filter. This should be performed more often if your post driver is operated in dusty conditions (Refer Honda User Manual).

3. Check all engine and post driver fasteners and retighten if necessary. If you choose to replace or reinstall any bolts with new Loctite, follow the above listed guidelines pertaining to Loctite. Follow any torque requirements.

EVERY 4 MONTHS OR 50 HOURS OF USE:

1. Remove the crank housing cover to check the Bullmax Rocker Hammer grease level. The crank area should look clean and grease should be visible around the crank area and top of the piston. There should be a ring of grease collected against the wall of the crank case.

2. If the ring of grease around the crank case wall measures less than¼", it is an indication that the grease level is low. Add no more than a few tablespoons of Bullmax Rock Hammer Grease. You never want to exceed ½" of grease ring around the crank case walls. **DO NOT OVERFILL THE CRANK CASE WITH GREASE**. This can damage the driver and Honda engine. See Figure 2.

3. If the grease is very dark or black in color or full of debris, the driver will require further maintenance as detailed in the section of this manual titled Servicing of the Hammer and Anvil on page 11.

4. In the event of complete removal of old grease, the level of the fresh, new grease should be to the bottom of the crank pin (approximately 60-70ml == 3-4tablespoons). See Figure 3.



Figure 3: New grease example Figure 2: Grease ring example

(BEFORE ANY SINGLE USE)

EVERY 12 MONTHS OR 250 HOURS OF USE:

1. Follow the above regularly scheduled maintenance guidelines for every 3 months or 25 hours of use on page 9.

2. Follow the above regularly scheduled maintenance guidelines for every 4 months or 50 hours of use on page 9.

3. Remove and service the hammer and anvil according to guidelines in the section of this manual titled Servicing of Hammer and Anvil on page 11.

4. Replace all O-rings and housing seals. A rebuild kit including all the Viton O-rings, seals, grease, and Loctite is available from Bullmax Post Drivers local dealer.

The amount and type of grease used in your Bullmax Post Driver is critical for the performance and service life of your post driver. Not enough grease will cause failure, and too much grease will overburden the piston and affect the hammering power of the machine. Use only Bullmax Rock Hammer Grease, which is available from Bullmax. **ALWAYS** reassemble your driver fasteners using **LOCTITE** or similar performance thread locker. Remember to clean the fastener and the holes with a parts cleaner to remove all grease residue, or the Loctite will not be effective. If you are unsure of anything in this manual, please contact Bullmax or your local dealer. If you are experiencing performance issues with your Bullmax Petrol-Powered Post Driver, please refer to the section of this manual titled Troubleshooting on page 15 for possible solutions, or contact your Bullmax Post Driver local dealer for assistance.

SERVICING OF HAMMER AND ANVIL (REBUILD)

BOTTOM DRIVER BODY

- Wear eye protection.
- Remove the 6 bolts on the bottom half of the lower driver body. Be aware that the handle tubes have anti-vibration springs that are installed under tension. The damper assembly washer will sometimes be removed with the lower driver body, or it may remain in place in the upper driver body.
- Remove the damper section and inspect the rubber O-rings and steel components for wear or debris. Take notice of the orientation of the damper assembly parts, as they must be oriented the same way when reinstalled.
- Remove the anvil (hammer that hits the post). Locate the Viton O-ring and replace it at this time. The anvil is made of high-quality, hardened-tool steel and should not show any signs of wear. Thoroughly clean the anvil. See Figures 4 and 5.



FIGURE 4: VIEW WHEN LOWER DRIVER BODY IS REMOVED



FIGURE 5: DAMPER ASSEMBLY, HAMMER AND ANVIL

TOP DRIVER BODY

- Wear eye protection.
- To remove the hammer, gently tap the main cast housing vertically down on a soft bench top, and it should slide out of the barrel. Locate the Viton O-ring and replace it at this time. The hammer is made of high-quality, hardened-tool steel and should not show any signs of wear. Thoroughly clean the hammer.
- To remove the piston and connecting rod, you will need to remove the LEFT-HAND THREAD crank pin from the crank, and gently push the piston through the bottom of the housing. To access the crank pin, see the guidelines listed above in the section of this manual titled Service & Maintenance on page 8. Use caution when holding the connecting rod and crankshaft as to not damage these components.

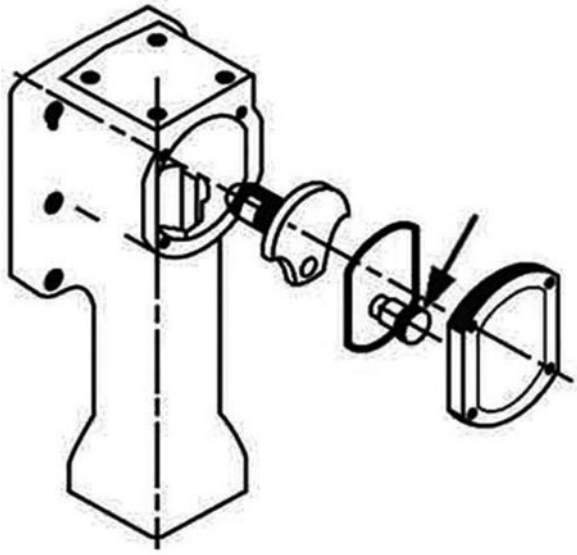


FIGURE 6: LOCATION OF LEFT-HAND THREAD CRANK PIN

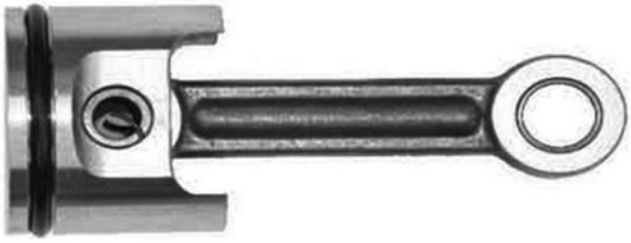


FIGURE 7: PISTON WITH CONNECTING ROD IN PLACE

- Clean and inspect the cylinder and crank case for any damage or excessive wear. Replace any damaged parts you may identify.
- Remove the inner springs of the handle to clean and lubricate each one. Check all handle cups for any excessive wear. Clean and lubricate the upper and lower cups.

REASSEMBLY

BOTTOM DRIVER BODY

After thoroughly cleaning and drying the hammer components and the cylinder, reassembly can be done.

1. Wear eye protection.

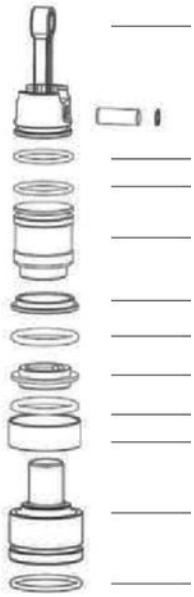
2. Apply a wipe of Bullmax Rock Hammer Grease around the O-ring and outside of the piston, and gently push it back into the housing using a soft dolly.

3. Add a small amount of Bullmax Rock Hammer Grease to the crank pin shoulder and reassemble. Be careful to keep grease off of the crank pin threads. Remember it is left-hand thread. **DO NOT OVERTIGHTEN THIS PIN.**

4. Add a wipe of Bullmax Rock Hammer Grease to the outside of the hammer and gently push it into the housing with the O-ring toward the top.

5. For the anvil section, add a wipe of Bullmax Rock Hammer Grease to the anvil, and push the anvil into the guide tube.

6. Reassemble the damper assembly, adding a small amount of Bullmax Rock Hammer Grease to all components. The hammer guide ring should be oriented correctly so the side with the large chamfer (slightly rounded edge) is facing down toward the anvil. Remember, round to the ground. See Figure 8.



Connecting Rod

Piston Piston Viton O-ring Hammer Viton O-ring

Hammer

Damper Washer Damper Nitrile O-ring Damper Guide Ring (orient with "round to the ground") Damper Nitrile O-ring Damper Cup

Anvil

Anvil Viton O-ring

FIGURE 8: VIEW OF THE ORIENTATION OF INTERNAL PARTS

7. Install the metal damper washer back over the anvil.

8. Install the bottom guide section back into the main housing. Be sure to install the new bottom housing O-ring.

9. Insert the anti-vibration springs back into the handlebars and reinstall them into the upper and lower handle cups. When parts are inserted correctly, there will be resistance from the springs to seat the lower driver body. This is normal.

10. Reinstall the bottom housing bolts with new Loctite. You must clean the bolt and the area of the bolt hole with parts cleaner to remove any grease residue. The Loctite will not be effective if grease is present.

11. Add approximately 80ml(about 4-5 tablespoons) of new Bullmax Rock Hammer Grease to the crank area and reinstall the crank cover bolts with new Loctite. You must clean the bolt and the area of the bolt hole with parts cleaner to remove any grease residue. The Loctite will not be effective if grease is present. All screws should be correctly tightened in an alternate pattern as machine damage will occur from loose or lost bolts due to improper installation. Please contact Bullmax or your local dealer if you need parts or have any servicing questions.

TROUBLE SHOOTING

1. If your driver sounds like it is running fine, but the anvil is not hammering as it should, make sure your anvil is fully engaged. There is a safety that will disengage the anvil if it is dry-fired or misfired. To reengage the anvil, simply pick the driver up off the post, and place it back down on the post with a bit of force to hit the anvil against the post. **AVOID REPEATED DRY-FIRE** by maintaining 4-5 kilograms of down-pressure at all times.

2. Check the type of grease in the crank. **WE RECOMMEND USING ONLY BULLMAX ROCK HAMMER GREASE** which is a low-viscosity grease for machinery with rapid moving parts that produce a lot of friction. If you use a different type of grease, you will inhibit the performance of your driver and possibly cause damage to your driver or your engine. If you have greased your driver with the wrong grease, you will need to follow the instructions in the section of this manual titled Service and Maintenance for replacing grease in the crank housing area.

3. Check the amount of grease in the crank case. If your driver is over-greased, it will cause reduced performance of the machine and put undue stress on the engine and the operations of the gears and piston in the machine. There should be approximately 85ml(about 4-5 tablespoons) of grease visible in the crank housing. There has to be room for freedom of movement for the parts.

4. If your driver is low on grease, it will cause reduced performance of the machine. Open the crank housing cover to visually check the amount of grease in your driver. You should always see a bit of grease residue moving throughout the machine. You may even see grease left on the posts. This is a good thing. It means your machine is self-lubricating.

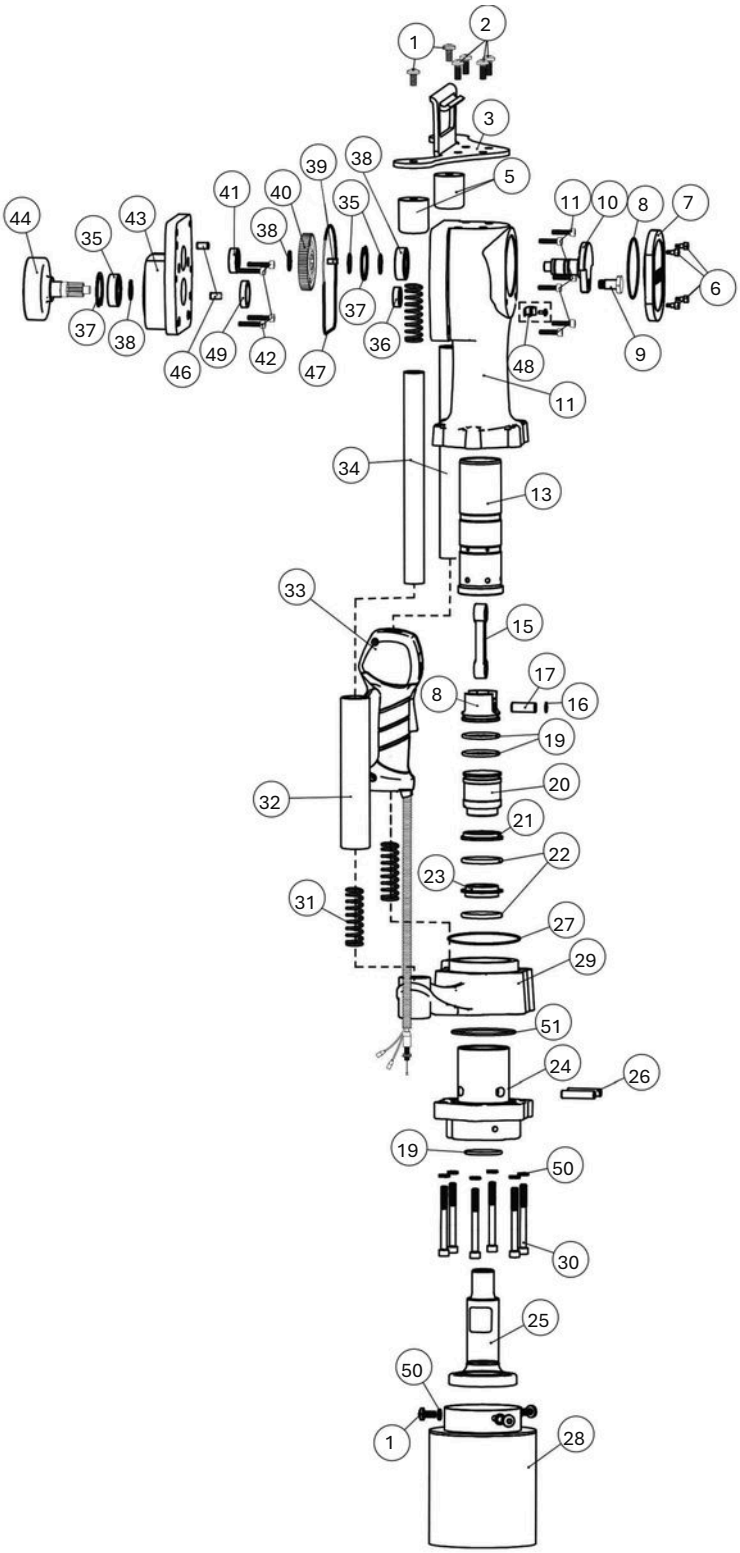
5. If you feel that the anvil or hammer of the machine is not moving as freely as it should, you can spray WD-40 up into the barrel to lubricate and cleanse this area. Occasionally you will get bits of debris that chip off the posts and make their way up into the anvil area.

6. In the event that a driven post flares and becomes lodged within the barrel, follow these steps:

- **A**. Remove the 6 lower body bolts to separate the lower driver body from the upper driver body. **B**. Slide the lower driver body down the post to expose the flared top of the post. With a proper cutting tool for that type of post, cut the post off just below the flared top. **C**. Once the flared top is removed, slide the lower driver body off the post and reassemble it to the upper driver body. Follow the bolt tightening and Loctite guidelines explained in the section of the manual titled Reassembly on page 13.
- **D**. **IF YOU ARE USING AN ADAPTER SLEEVE**, remove the pin and slide the driver off the post. With a proper cutting tool for that type of post, cut the post off just below the flared top. Remove the adapter sleeve from the post, and reinstall the sleeve.

7. If you are experiencing an issue with the Honda engine, please contact your local Honda dealer for parts and service. Bullmax Post Drivers does not carry the engine parts for Honda, nor does Bullmax Divers determine the warranty, which is honoured by Honda.

PARTS DIAGRAM BMPD-H120



PARTS LIST BMPD-H120

Part No.	Part Name	Part Qty
MPD-1	M8*15 BOLTS	5
MPD-2	M8*20 TOP HANDLE BOLTS	4
MPD-3	TOP HANDLE	1
MPD-5	HANDLE CUP	2
MPD-6	M5*15 HEXAGONAL BOLTS	4
MPD-7	COVER FOR CRANKCASE	1
MPD-8	O-RING 76*2.65	1
MPD-9	CRANK PIN	1
MPD-10	CRANKSHAFT	1
MPD-11	M6*30 HEXAGONAL BOLTS	6
MPD-12	POST DRIVER BODY	2
MPD-13	CYLINDER	1
MPD-15	CONNECTING ROD	1
MPD-16	12 RETAINER	1
MPD-17	WRIST PIN 12*32	1
MPD-18	PISTON	1
MPD-19	O-RING 42.5*3.8	2
MPD-20	HAMMER	1
MPD-21	DAMPER WASHER	1
MPD-22	O-RING 44*5.3	2
MPD-23	DAMPER GUIDE RING	1
MPD-24	DAMPER CUP	1
MPD-25	ANVIL	1
MPD-26	LIMIT PIN	2
MPD-27	O-RING 92*2.65	1
MPD-28	CHUCK TUBE	1
MPD-29	LOWER DRIVER BODY	1
MPD-30	M8*60 HEXAGONAL BOLTS	6
MPD-31	HANDLE ANTI-VIBRATION SPRING	4
MPD-32	HANDLE CUSHION	1
MPD-33	SWITCH	1
MPD-34	HANDLE TUBE	2
MPD-35	6004-2RS BEARING	2
MPD-36	6000-2RS BEARING	1
MPD-37	42 RETAINER	2
MPD-38	20 RETAINER	4
MPD-39	KEY 6*6*12	1
MPD-40	GEAR	1
MPD-41	6201-2RS BEARING	1
MPD-42	M6X30 HEXAGONAL BOLTS	4
MPD-43	CLUTCH HOUSING	1
MPD-44	CLUTCH DRUM	1
MPD-46	ALIGNMENT PIN	1
MPD-47	GASKET	1
MPD-48	CLAMP W/SCREW	1
MPD-49	OIL SEAL	1
MPD-50	LOCK WASHER NL8	9
MPD-51	O-RING 80*2.65	1

WARRANTY

Bullmax will warrant to the original purchaser, who purchases the equipment in new condition and in its original packaging from an authorised dealer, that its petrol-powered post driver will be free from defects in workmanship and materials for a period of one (1) year. This warranty period will commence on the date of retail purchase by the original purchaser. Bullmax provides no warranty on the Honda engine. This warranty is provided directly by Honda.

- Warranty shall pertain to parts or service offered by an authorised Bullmax dealer. Any defective part replaced at an authorised Bullmax location becomes the property of Bullmax.
- For warranty claims, contact Bullmax with proof of purchase.

LIMITATIONS OF WARRANTY

This limited warranty does not extend to any Bullmax product which has been misused, abused, or improperly maintained, altered, or repaired by an unauthorized person. Nor does this limited warranty cover any damage to machine or parts due to faulty installation of parts, faulty operation, or faulty maintenance.

- Damage to components caused by operator error such as dry-fire or misfire will not be considered for warranty replacement or service.
- Damage to cosmetic parts caused by rough handling, operator error, or improper storage and handling will not be considered for warranty replacement or service.
- Excluded components may need replacement or repair due to normal wear and tear, or lack of proper use/maintenance include:

1. O-rings and seals
2. Lost or stripped fasteners
3. Barrel of driver from incorrect use of machine
4. Crank pin that is broken from incorrect handling (left-hand thread)
5. Bullmax sleeves/accessories

DISCLAIMER OF WARRANTY

Bullmax disclaims all liability for any implied warranties. Under no circumstances shall Bullmax be liable for any loss of business, revenues, profit, or indirect, incidental, special, or consequential damages or loss arising out of any defect in, or performance of, Bullmax products, howsoever caused. For warranty terms on your Honda GX50 engine, please refer to the separate warranty in the Honda manual provided with your post driver.

BULLMAX POST DRIVER WARRANTY

The Bullmax post driver is assembled in Australia and is inspected and tested before leaving our factory. The Bullmax post driver has a 3-year Honda engine warranty and a Bullmax 1-year post driver parts warranty. Bullmax undertakes as its option to repair and replace free of charge each product or part thereof on the following conditions. The warranty is valid from the date of purchase and when the machine is used in accordance with the information supplied in the instruction manual. (Please keep proof of purchase)

THE BULLMAX WARRANTY DOES NOT COVER THE FOLLOWING

- Normal wear and tear
- Commercial use
- Damaged caused due to failing to follow the safety and operating instructions, which includes due to lack of maintenance, cleaning and care of the post driver.
- Parts that may need to be replaced due to normal wear and tear and lack of maintenance.
- Incorrect usage and negligence which causes damages to the machine.
- Altering or modifying the post driver.
- Use of unsuitable parts used for repairs that were not conducted by an authorised Bullmax repairer.
- Using the post driver in an unsuitable environment and not for the purpose it was intended for.
- Unsuitable transportation of the post driver, involved in an accident or not securely packaged to avoid damage in transit or storage.

HOW TO MAKE A CLAIM

If a fault has occurred within the warranty period the consumer can make a claim, by adhering to the following.

- Stop using the post driver immediately to avoid further damage to the machine.
- Contact Bullmax at info@bullmax.com.au or alternatively by returning the post driver to the place of purchase and contact can be made. Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to have the goods repaired, replaced or a refund for a major failure.

SECTION

H120 TROLLEY

POST DRIVER TROLLEY

For use with Bullmax
Super Maxi Post Driver - BMPD-H120

ASSEMBLY INSTRUCTIONS



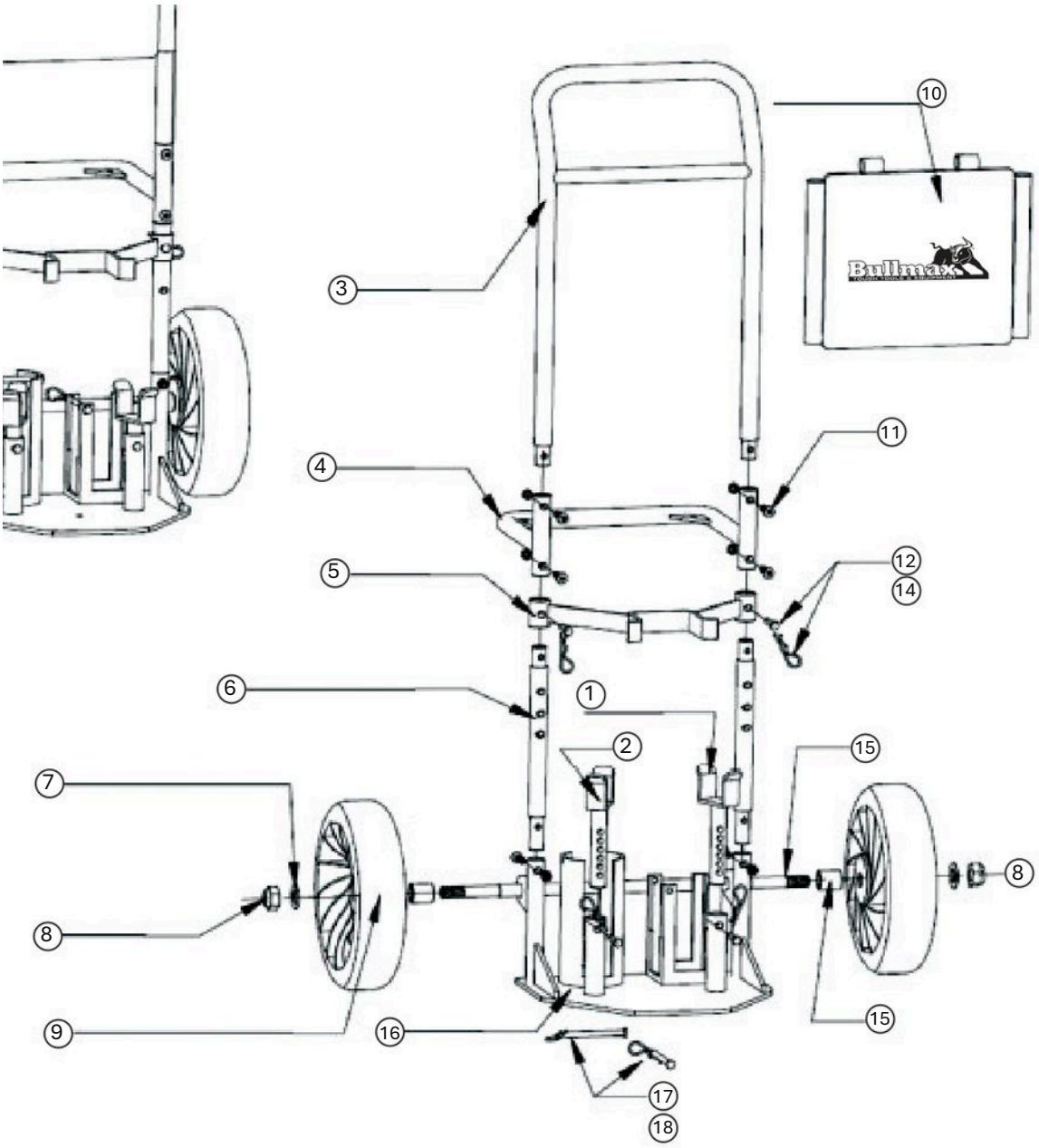
CODE: BMPD-H120-TROLLEY
SKU: 101095

www.bullmax.com.au

PARTS LIST

Part Number	Name of Part	Qty	Notes
1	Right-Side Lower Arm (Engraved "R")	1	
2	Left-Side Lower Arm (Engraved "L")	1	
3	Top Handle	1	
4	Engine Protection Bracket	1	
5	Adjustable U-Bracket	1	
6	Central Handle Stand	2	Right & left
7	Washer	2	For wheels
8	M20 Lock Nut	2	For wheels
9	Cartwheel	2	
10	Tool Bag	2	
11	8x35mm Hex Socket Head Screw with Lock Nut	6	
12	8x40mm Cylindrical Pin	4	
13	N/A	N/A	N/A
14	3x60mm Cotter Pin	4	For pins #2
15	Axle	1	
16	Stop Collar	2	For wheels
17	8x100mm Cylindrical Pin	2	For drive caps
18	3x60mm Cotter Pin	2	For pins #17
19	Cart Base	1	

EXPLODED DIAGRAM



ASSEMBLY INSTRUCTIONS

This document describes how to assemble the Bullmax Post Driver Trolley. To assemble your trolley, you will need the following tools: M5 Allen Key M8 Wrench M20 Wrench We recommend following the order of assembly provided in this document.

MAIN HANDLE INSTALLATION

1. Take item #19 Trolley Base out of the packaging and place it on the floor.

2. Secure the Central Handle Stands to the Trolley Base.

a. Place both #6 Central Handle Stands in the upright stands of the #19 Trolley Base.

b. Use #11-8x35mm Hex Socket Head Screw with Lock Nut to secure each #6 Central Handle Stand in Place.

3. Attach the Adjustable U-Bracket to the Central Handle Stands.

a. Slide the #5 Adjustable U-Bracket over both #6 Central Handle Stands.

b. Use #12-8x40mm Cylindrical Pin to attach the #5 Adjustable U-Bracket up with one of the three sets of holes in the main body of the #6 Central Handle Stands.

c. Secure each of the #12-8x40mm Cylindrical Pins by using a #14-3x60mm Cotter Pin.

4. Attach the Engine Protection Bracket

a. Place the #4 Engine Protection Bracket on both #6 Central Handle Stands.

- b. Use one #11-8x35mm Hex Socket Head Screw with Lock Nut to secure each side of the #4 Engine Protection Bracket to a #6 Central Handle Stand.

5. Put the Tool Bag on the Top Handle.

- a. Slide each of the pass throughs of the #10 Tool Bag over the corresponding tube of the #3 Top Handle.
- b. Using the Velcro loops on the top side of the #10 Tool Bag secure it to the horizontal support tube of the #3 Top Handle.

6. Attach the Top Handle

a. Place the #3 Top Handle into the #4 Engine Protection Bracket.

- b. Use one #11-8x35mm Hex Socket Head Screw with Lock Nut to secure each side of the #3 Top Handle to the #4 Engine Protection Bracket.

POST DRIVER SUPPORT STAND INSTALLATION

1. Position the trolley so that the #5 Adjustable U-Bracket is toward you.
2. Install the Right-Side Lower Arm

a. Slide the #1 Right-Side Lower Arm (engraved with "R") into the right-side stand on the front of the #19 Cart Base (engraved with "R").

b. Use a #12 8x40 cylindrical pin and #14 3x6mm cotter pin to secure the #1 Right-Side Lower Arm in one of the 6 sets of height adjustment holes in the cart base. Use the height adjustment holes to raise or lower the lower arms to accommodate Bullmax Super Maxi Post Driver. See engravings on the arms for recommended heights.

3. Install the Left-Side Lower Arm

a. Slide the #2 Left-Side Lower Arm (engraved with "L") into the left-side stand on the front of the #19 Trolley Base (engraved with "L").

b. Use a #12 8x40 cylindrical pin and #14 3x6mm Cotter Pin to secure the #2 Left-Side Lower Arm in one of the 6 sets of height adjustment holes in the trolley base. Use the height adjustment holes to raise or lower the lower arms to accommodate the Bullmax Super Maxi Post Driver that will be used with the trolley. See engravings on the arms for recommended height for your driver.

4. Secure the #17 8x100mm Cylindrical Pins in the #19 Trolley Base using the #18 3x60mm Cotter Pins in the rear of the trolley base to keep drive caps from shifting.

WHEEL ASSEMBLY INSTALLATION

1. Place #15 Axle through the rear holes on #19 Trolley Base.
2. Secure the wheel on the axel.

a. Place #16 Sop Collar on the #15 Axel.

b. Place the #9 Trolley Wheel on the #15 Axel after the #16 Sop Collar.

c. Place the #7 Washer on the #15 Axel after the #9 Trolley Wheel.

d. Hand tighten the #8 M20 Lock Nut on the #15 Axel after the #7 Washer.

3. Ensure #15 Axle is fully slid through the rear holes so that the #16 Sop Collar that is on the axel is flush against the rear plate of #19 Trolley Base.
4. Secure the second wheel on the axel.

a. Place #16 Sop Collar on the #15 Axel.

b. Place the #9 Cart Wheel on the #15 Axel after the #16 Sop Collar.

c. Place the #7 Washer on the #15 Axel after the #9 Trolley Wheel.

d. Hand tighten the #8-M20 Lock Nut on the #15 Axel after the #7 Washer.

5. Alternate tightening each #8-M20 Lock Nuts on the #15 Axle until both are tight and the wheels are secured.

4. WARRANTY

Bullmax will warrant to the original purchaser, who purchases the equipment in new condition and in its original packaging from an authorised dealer, that the Post Driver Trolley will be free from defects in workmanship and materials for a period of one (1) year. This warranty period will commence on the date of retail purchase by the original purchaser.

- For warranty claims, contact your Bullmax distributor with proof of purchase date and your serial number.

LIMITATIONS OF WARRANTY

This limited warranty does not extend to any Bullmax product which has been misused, abused, mishandled (e.g., dropped), improperly maintained, altered, or repaired by an unauthorised person. Nor does this limited warranty cover any damage to the machine/parts due to faulty parts installation.

- Damage to components caused by operator error will not be considered warrantable.
- Damage to cosmetic parts caused by rough handling, operator error, or improper storage, handling, and maintenance will not be considered for warranty replacement or service.

DISCLAIMER OF WARRANTY

Bullmax disclaims all liability for any implied warranties. Under no circumstances shall Bullmax be liable for any loss of business, revenues, profit, or indirect, incidental, special, or consequential damages or loss arising out of any defect in, or performance of, Bullmax products, how so ever caused.

NOTES



POST DRIVER BMPD-H120

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H120 TROLLEY

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