WOOD CHIPPER HD 130MM

OPERATOR'S MANUAL

MODEL

CODE: BMWC130-GX390
SKU# 100925

SERIAL NUMBER

_____

PURCHASE DATE

_____

POWERED by HONDA



This User Manual covers the Bullmax Wood Chipper Component.
Refer to the Honda User Manual for safe operation of the Honda GX390 engine.

Thank you for purchasing the Bullmax Wood Chipper (BMWC130 GX390). Please be sure this manual is read and understood completely before operating or carrying out any maintenance, failure to do so may result in personal injury or mechanical damage to the unit. If you need further information or any clarification on anything described in this manual, please contact your local dealer immediately.

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SYMBOLS USED IN THIS MANUAL

⚠ WARNING

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

⚠ CAUTION

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

⚠ NOTICE

This information is important in proper using of your machine. Failure to follow this instruction could result in damage to your machine or property.

ADDITIONAL INFORMATION AND POTENTIAL CHANGES

We reserve the right to discontinue, change, and improve products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were correct at time printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

PART I: GENERAL SAFETY RULES

SAFETY LABELS FOUND ON YOUR MACHINE



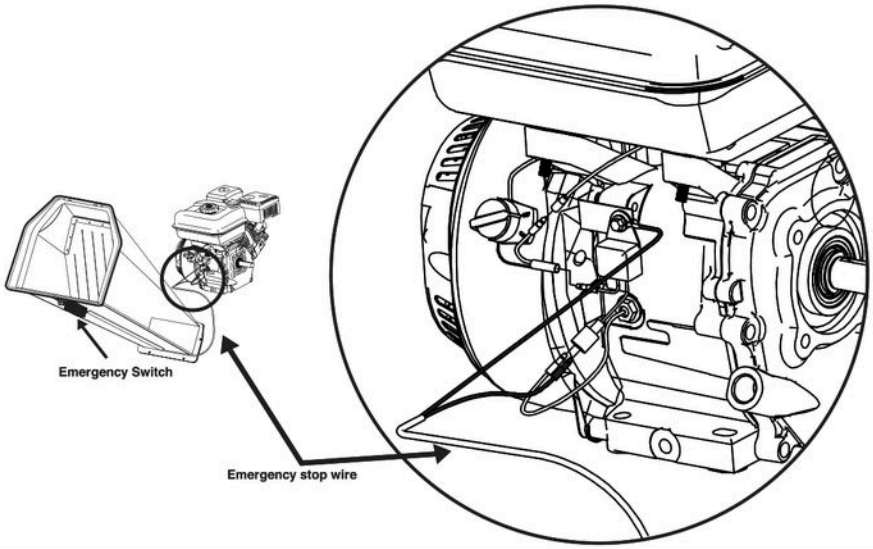
1. SAFETY INSTRUCTIONS

Before operating the wood chipper, read and follow these safety guidelines carefully:

- Always wear protective gear: safety goggles, gloves, ear protection, and sturdy footwear.
- Keep hands, clothing, and tools away from moving parts and the feed chute.
- Do not operate on wet, uneven, or unstable surfaces.
- Never reach into the hopper while the machine is running.
- Keep children, pets, and bystanders at a safe distance.
- Turn off the engine and disconnect the spark plug before performing maintenance or clearing jams.
- Use only approved replacement parts and accessories.

⚠ WARNING: EMERGENCY STOP

Make sure the emergency stop wire is connected correctly.
If not, may result in death or serious injury.



Make sure the emergency stop switch is working before operating this machine, otherwise it may result in serious injury or even death.

⚠ WARNING

Read this Safety & Operating Instructions manual before you use the Wood Chipper. Become familiar with the operation and service recommendations to ensure the best performance of your machine.

CAUTION

This machine is designed solely to chip wood and must not be used for any other purpose. It should only be used by trained operators who are familiar with the content of this manual. It is potentially hazardous to fit or use any parts other than your dealer parts. Bullmax disclaims all liability for the consequences of such use, which in addition voids the machine warranty.

BEFORE USING THE WOOD CHIPPER

NOTICE

A. Operators must be fully trained before using this machine.
B. User Manual is read and understood.
C. Machine is positioned on level ground, all guards are fitted and in good condition.
D. Blades are in good condition and secure. All blades are sharpened or replaced in sets.
E. All fasteners are checked for tightness.
F. Only WOODEN materials free of nails etc. are fed into the machine.
G. Fire extinguisher is available on site.
H. Emergency stop wire is connected and the switch is operational.

WHEN USING THE WOOD CHIPPER

NOTICE

A. Always feed from the side.
B. It is better to have a second trained operator within easy reach of the machine.
C. Maintain strict discipline at all times and service machine at specified periods.
D. Note direction of discharge chute and if necessary note the wind direction to prevent debris from being blown into highway or where it could affect members of the public.
E. DO NOT put any part of your body into the feed-in chute while the machine is running.
F . DO NOT operate the machine whilst under the influence of alcohol or drugs.
G. DO NOT operate inside a building or confined space or Climb on the feed-in chute.

PROTECTING YOURSELF AND THOSE AROUND YOU

⚠ WARNING

This is a high-powered machine, with moving parts operating with high energy. You must operate the machine safely. Unsafe operation can create a number of hazards for you, as well as anyone else in the nearby area. Always take the following precautions when using this machine:

A. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people, their property, and themselves.
B. Always wear protective goggles or safety glasses with side shields while using the Wood Chipper to protect your eyes from possible thrown debris.
C. Avoid wearing loose clothing or jewellery, which can catch on moving parts.
D. We recommend wearing gloves while using the Wood Chipper. Be sure your gloves fit properly and do not have loose cuffs or drawstrings.
E. Wear shoes with non-slip treads when using your Wood Chipper. If you have safety
shoes, we recommend wearing them. Do not use the machine while barefoot or wearing open sandals.
F. Wear long pants while operating the Wood Chipper.
G. Keep bystanders at least 20 metres away from your work area at all times. Stop the engine when another person or pet approaches.

SAFETY FOR CHILDREN AND PETS

⚠ WARNING

Tragic accidents can occur if the operator is not alert to the presence of children and pets. Children are often attracted to the machine and the chipping activity. Never assume that children will remain where you last saw them. Always follow these precautions:

A. Keep children and pets at least 20 metres from the working area and ensure they are under the watchful care of a responsible adult.
B. Be alert and turn the machine off if children or pets enter the work area.
C. Never allow children to operate the Wood Chipper.

SAFETY WITH PETROL - - POWERED MACHINES

⚠ WARNING

Petrol is a highly flammable liquid. Petrol also gives off flammable vapour that can be easily ignited and cause a fire or explosion.
Never overlook the hazards of Petrol. Always follow these precautions:

A. Never run the engine in an enclosed area or without proper ventilation as the exhaust from the engine contains carbon monoxide, which is an odourless, tasteless, and a deadly poisonous gas.
B. Store all fuel and oil in containers specifically designed and approved for this purpose and keep away from heat and open flame, and out of the reach of children.
C. Replace rubber fuel lines and grommets when worn or damaged and after 5 years of use.
D. Fill the petrol tank outdoors with the engine off and allow the engine to cool completely. Don't handle petrol if you or anyone nearby is smoking, or if you're near anything that could cause it to ignite or explode. Reinstall the fuel tank cap and fuel container cap securely.
E. If you spill petrol, do not attempt to start the engine. Move the machine away from the area of the spill and avoid creating any source of ignition until the petrol vapours have dissipated. Wipe up any spilled fuel to prevent a fire hazard and properly dispose of the waste.
F. Allow the engine to cool completely before storing in any enclosure. Never store a machine that has petrol in the tank, or a fuel container, near an open flame or spark such as a water heater, space heater, clothes dryer or furnace.
G. Never make adjustments or repairs with the engine running. Shut down the engine, disconnect the spark plug wire, keeping it away from the spark plug to prevent accidental starting, wait 5 minutes before making adjustments or repairs.
H. Never tamper with the engine's governor setting. The governor controls the maximum safe operation speed and protects the engine. Over-speeding the engine is dangerous and will cause damage to the engine and to the other moving parts of the machine. If required, see your authorised dealer for engine governor adjustments.
I. Keep combustible substances away from the engine when it is hot.
J. Never cover the machine while the muffler is still hot.
K. Do not operate the engine with the air cleaner or the carburettor air intake cover removed. Removal of such parts could create a fire hazard. Do not use flammable solutions to clean the air filter.
L. The muffler and engine become very hot and can cause a severe burn; do not touch.

GENERAL SAFETY

⚠ WARNING

Operating this Wood Chipper safely is necessary to prevent or minimise the risk of death or serious injury. Unsafe operation can create a number of hazards for you. Always take the following precautions when operating:

A. Your Wood Chipper is a powerful tool, not a plaything. Exercise extreme caution at all times. The machine is designed to Chip Wood. Do not use it for any other purpose.
B. Know how to stop the Wood Chipper quickly.
C. Never operate your unit on a slippery, wet, muddy, or icy surface. Exercise caution to avoid slipping or falling.
D. See manufacturer's instructions for proper operation and installation of accessories.
E. Never use the machine without ensuring that all guards and shields are in place.
F. Never, under any conditions, remove, bend, cut, fit, weld, or otherwise alter standard parts on the Wood Chipper. This includes all shields and guards. Modifications to your machine could cause personal injuries and property damage and will void your warranty
G. If the machine start to make an unusual noise or vibrate, shut down the engine immediately,disconnect the spark plug wire, keeping it away from the spark plug to prevent accidental starting, wait 5 minutes for engine to cool down, then inspect for damage. Vibration is generally a warning of trouble. Check damaged parts and clean, repair and/or replace as necessary.
H. Never tamper with safety devices. Check their proper operation regularly.
I. Before performing any maintenance or inspection procedure, shut down the engine, disconnect the spark plug wire keeping it away from the spark plug to prevent accidental starting, wait 5 minutes for machine to cool down.
J. Never allow people who are unfamiliar with these instructions to use the Wood Chipper. Allow only responsible individuals who are familiar with these rules of safe operation to use your machine.
K. Never overload or attempt to chip wood beyond the manufacturer's recommendation. It could result in personal injury or damage to the machine.
L. While using, don't hurry or take things for granted. When in doubt about the equipment or your surroundings stop the machine and take time to look things over.
M.Never operate the machine when under the influence of alcohol, drugs, or medication.
N. Use the machine only in daylight.
O. Stay alert for hidden hazards or traffic.
P. Keep all nuts and bolts tight and keep the equipment in good operating condition.

A NOTE TO ALL USERS

List of warnings and cautions cannot be all-inclusive. If situations occur that are not covered by this manual, the operator must apply common sense and operate this WOOD CHIPPER in a safe manner. Contact the dealers for assistance in your area.

PART II: FAMILIAR WITH THE WOOD CHIPPER

It may be helpful to familiarise yourself with the controls and features of the Wood Chipper. If you have any question, please contact the dealers in your area.

TECHNICAL SPECIFICATIONS

Start	Recoil Start
Engine	Honda GX390/4 stroke
Power	Petrol
Chipper Capacity	4CBM/hour to 6CBM/hour
Maximum Wood Diameter	Diameter 120mm
Maximum Overall Follage Diameter	300mm
Chipper Blade	2pcs blades and 6pcs hammers
Tyre	6.5-8, 4.0-8, 4.8-8
Overall Height	1800mm
Overall Length	2700mm
Width	1070mm
Weight	260kgs/286kgs
Roller Max RPM	2200rpm

IMPORTANT: The total diameter of foliage, including the main branch, must not exceed 300 mm, with the main branch itself no larger than 120 mm in diameter. Exceeding these limits may cause the chipper to jam or sustain damage.

PART III: OPERATING THE WOOD CHIPPER

It may be helpful to better familiarise yourself with the features of your Wood Chipper before beginning the steps outlined in this chapter.

⚠ WARNING

A. Read and understand all instructions, safety precautions, and/or warnings listed in "PART I: General Safety Rules" before operating the WOOD CHIPPER. If any doubt or question arises about the correct or safe method of performing anything found in this manual, please contact the dealers in your area.
B. When operating the Wood Chipper, make sure you are standing in the safe operating area (OPERATOR ZONE). You must stay in the safe operating area at all times when the ram is in motion (whether extending or retracting). Never place any part of your body into a position that causes an unsafe operating condition.
C. Before loading and operating the Wood Chipper, always wear protective gear, including safety goggles, hearing protection, tight-fitting gloves without draw strings or loose cuffs, and steel-toed shoes.
D. Knowing the correct and incorrect methods of Chipping woods. Never using an incorrect or unsafe method.

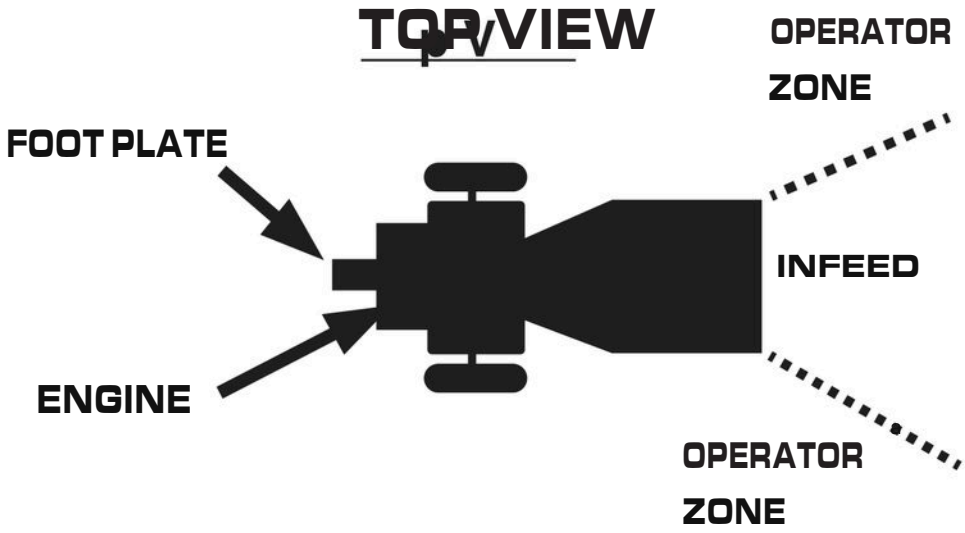
STARTING

1. Make sure the stop bar or stop button are not activated.
2. Position your Wood Chipper on flat, dry ground, and then stop the front wheel with brake, make sure the machine cannot be moved.
3. Make sure the fuel shut-off valve is in the "ON" position.
4. Move the choke control lever to the "CHOKE" position (should only be needed if the engine is cold).
5. Move the throttle control lever to the "FAST" position.
6. Recoil Start: Turn the Ignition Switch to the "On" position. Grasp the recoil starter handle and slowly pull until you feel resistance. Let the cord retract a little bit then pull the cord rapidly to start the engine. One or two pulls usually starts the engine.
7. Move the choke control lever (if used for cold engine) slowly back to the "RUN" position when the engine is running well.
8. If the Wood Chipper has not been running (cold engine), warm up the engine by running the engine at half throttle for 3 to 4 minutes, then advance the engine throttle control to the maximum speed.

STOPPING

1. Move the Throttle Lever to IDLE.
2. Recoil Start: Turn the Ignition Switch to the OFF position.

OPERATOR ZONE



WOOD CHIPPING

NOTICE

The diameter of wood and branches should NOT be bigger than 120 mm

CAUTION

Do not place your hands into the chute when loading. This is a very UNSAFE method and could result in injury to your hands.
Do not reach or step across the rail while the Wood Chipper is running. This is a very UNSAFE method which could cause personal injury, even death.

WHEN BLOCKED

If the roller stops while chipping wood or branches, turn off the engine immediately. Remove any wood or fragments stuck between the rollers. Once cleared, restart the engine and resume chipping.

PART IV: Maintaining the Wood Chipper

Regular maintenance is required to ensure the best performance and long life of your machine. Please refer to this manual and the engine manufacturer's user manual for maintenance procedures.

⚠ WARNING

Before performing any maintenance procedure or inspection, stop the engine, wait five minutes to allow all parts to cool. Disconnect the spark plug wire, keeping it away from the spark plug.

Regular Maintenance Checklist

Procedure	Before Each Use	Every 3 Hours	Every 25 Hours	Every 100 Hours
Check engine oil level	Δ			
Check general equipment condition	Δ			
Check belts	Δ			
Check tire pressure			Δ	
Clean engine exterior and cooling			Δ	
Change Engine Oil	Refer To Honda user manual			
Replace air filter				
Replace spark plug				

Maintenance

- After each use: Clean the hopper and chute.
- Weekly: Inspect blade sharpness and tighten bolts.
- Monthly: Change engine oil and inspect belts.
- Storage: Store in a dry, covered area. Drain fuel if storing long-term.

Engine Service

Refer to the engine manufacturer's user manual for engine maintenance.

LUBRICATION

NOTICE

All Bearings of your Chipper are sealed units and should have sufficient lubricant to last the life of your machine with normal use.

PART V: TROUBLESHOOTING AND PARTS LIST

Most problems are easy to fix. Consult the Troubleshooting Table below for common problems and their solutions. If you continue to experience problems, contact the dealers in your area.

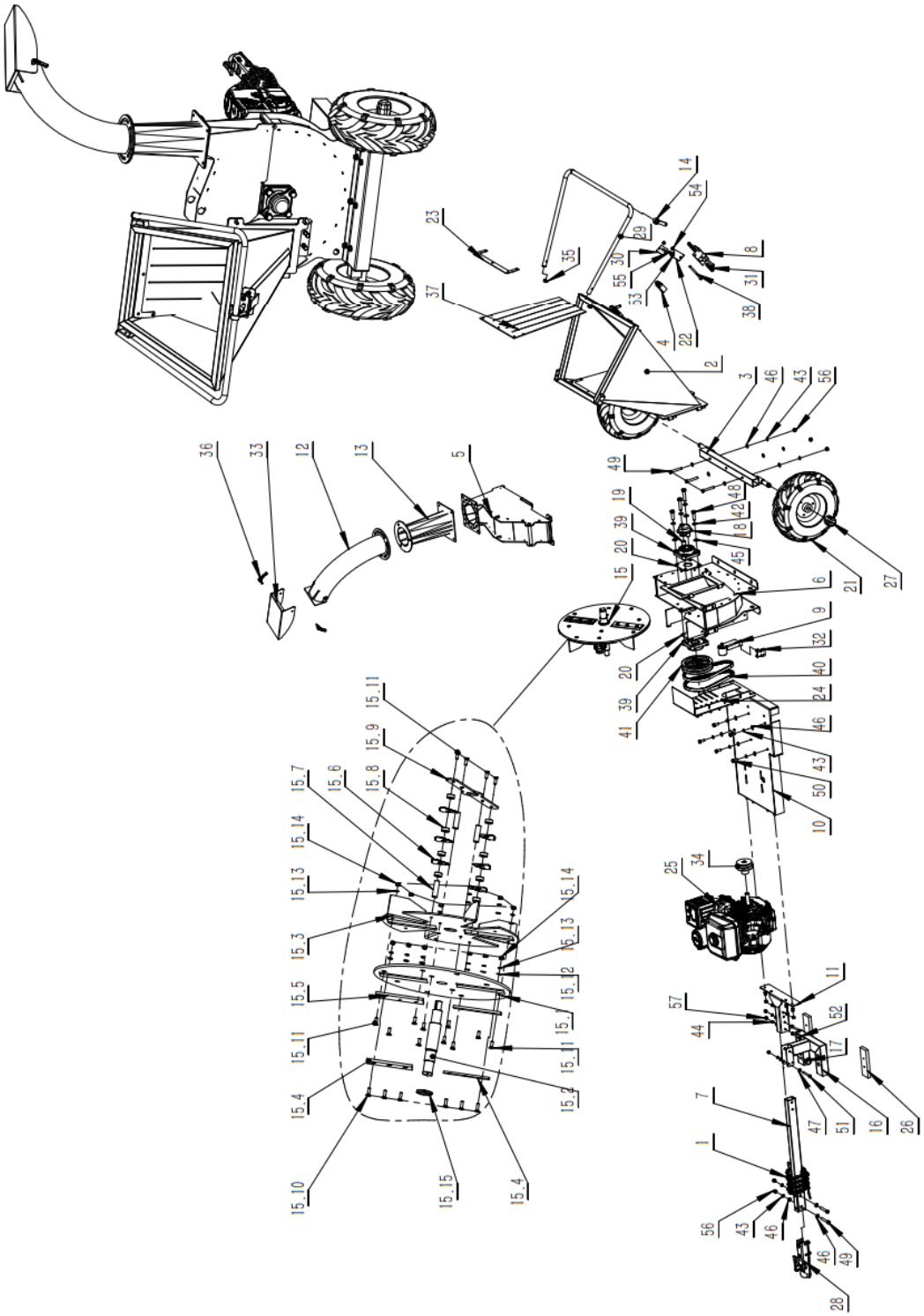
WARNING

Before performing any maintenance procedure or inspection, stop the engine, wait five minutes to allow all parts to cool. Disconnect the spark plug wire, keeping it away from the spark plug.

TROUBLESHOOTING TABLE

SYMPTOM	POSSIBLE CAUSE
Machine does not seem to have full chipping **power.**	➢ The belts may be too loose and slipping. Adjust or replace belts as required
Engine issues or problems}	➢ **Refer to Honda User Manual**

Explosion View



Explosion View and parts list

Ref.No.	Description	Ref.No.	Description
1	hoop	15.12	Flat Washers 10
2	infeed throat opening	15.13	Spring washer 10
3	Tire shaft welding parts	15.2	Spindle
4	Travel switch	15.3	Fan blade disk
5	Upper part of rack	15.4	Type II - Disc cutter
6	rack	15.5	Blade holder
7	trailer tube	15.6	triangle knife
8	switch box board welding body	15.7	Triangular knife fixed rod
9	tensioning mechanism	15.8	Triangular knife spacer
10	Base frame	15.9	Triangle blade pressing strip
11	trailer rack	16	Front foot
12	round discharge chute	17	Pin shaft
13	The lower discharge chute	18	Shaft end cap
14	Snap drive arm	19	Bearing seat spacer sleeve
15	cutter assy.	20	Bearing pad
15.1	Cutter	21	tire
15.1	Hexagon screw M10X35	22	Travel switch press plate
15.11	Hexagon screw M10X30	23	Rubber strip

Explosion View and parts list

Ref.No.	Description	Ref.No.	Description
24	belt cover	42	spring washer 16
25	gasoline engine	43	spring washer 12
26	rubber feet	44	Spring pad 10
27	Rubber cover	45	Flat Washers 16
28	Pull head	46	Flat Washers 12
29	Emergency stop elbow	47	Flat Washers 10
30	Emergency stop switch limit plate	48	Hexagon head bolts M16X50
31	Elastic spring	49	Hexagon head bolts M12X80
32	Tension wheel seat	50	Hexagon head bolts M12X30
33	Guide cover	51	Hexagon head bolts M10X80
34	pulley	52	Hexagon head bolts M10X70
35	Plastic pipe plug	53	Hexagon head bolts M8X25
36	Single arm bolt	54	Hex nuts M10
37	Protective rubber	55	Hex nuts M8
38	M10×130	56	Anti-separation nut M12
39	FU 208 Bearing seat	57	Anti-separation nut M10
40	B838 triangle belt	36	Single arm bolt
41	2 Grooved belt pulley	37	Protective rubber

⚠ WARNING

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 earth auger 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.

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. For warranty terms on your Honda engine, please refer to the separate warranty in the Honda manual provided with your machine.

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TOUGH TOOLS & EQUIPMENT

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