

# SHREDDER

# BIO70D / BIO150D

## INSTRUCTIONS FOR USE AND MAINTENANCE



**MILLASUR**<sup>®</sup>

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English



La empresa MILLASUR desea felicitarle por haber elegido nuestro producto y le garantiza la asistencia y cooperación que siempre han distinguido a nuestra marca a lo largo del tiempo.

Esta máquina está diseñada para durar muchos años y para ser de gran utilidad si es usada de acuerdo con las instrucciones contenidas en el manual de usuario. Le recomendamos, por tanto, leer atentamente este manual de instrucciones y seguir todas nuestras recomendaciones

## **INFORMACIÓN SOBRE ESTE MANUAL**

Preste atención a la información proporcionada en este manual y en el aparato por su seguridad y la de otros.

- Este manual contiene instrucciones de uso y mantenimiento.
- Lleve este manual consigo cuando vaya a trabajar con la máquina.
- Los contenidos son correctos a la hora de la impresión.
- Se reservan los derechos de realizar alteraciones en cualquier momento sin que ello afecte nuestras responsabilidades legales.
- Este manual está considerado parte integrante del producto y debe permanecer junto a este en caso de préstamo o reventa.
- Solicite a su distribuidor un nuevo manual en caso de pérdida o daños.

## **LEA ESTE MANUAL ATENTAMENTE ANTES DE USAR LA MÁQUINA**

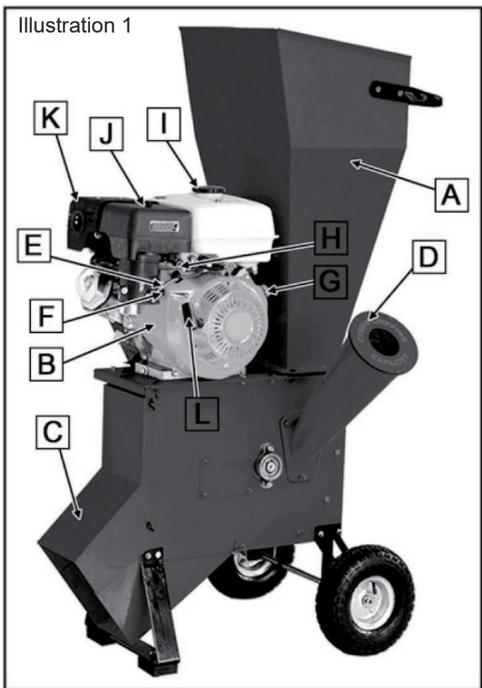
Para asegurar que su máquina proporcione los mejores resultados, lea atentamente las normas de uso y seguridad antes de utilizarla.

## **OTRAS ADVERTENCIAS:**

Una utilización incorrecta podría causar daños a la máquina u a otros objetos.

La adaptación de la máquina a nuevos requisitos técnicos podría causar diferencias entre el contenido de este manual y el producto adquirido.

# Identification of machine components



Identification of machine components (Illustration 1)

- A. Hopper
- b.engine
- C. Chip discharge D. Funnel
- E. Primer
- F. Fuel Cock
- G. On/Off Switch H. Throttle
- I. Fuel Tank Cap J. Air Filter
- K. Exhaust
- L. Pull Starter

Illustration 1. Identification of the components of the shredder

## Technical data

Model	BIO70D	BIO150D
crushing capacity	76mm	89mm
Blade speed	2400/min	
Type of motor	OHV 4-stroke	
Ignition system	Manual	manual and electric
Displacement	212cc	420cc
maximum power	7HP/3600rpm	15HP / 3600rpm
Engine speed	3600rpm	
fuel volume	3.6L	6.5L
oil volume	0.6L	1.1L
Fuel type	Unleaded petrol	

# SECTION 1: SAFETY

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## CAVEAT

### For your own safety, read the instruction manual before using this machine

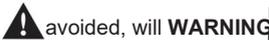
The purpose of safety symbols is to draw your attention to potentially dangerous situations. This manual uses a series of symbols and verbal indications that are intended to convey the level of importance of the safety messages. The progression of the symbols is described below. Remember that safety messages by themselves do not eliminate hazards and are not a substitute for correct accident protection measures.



Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.



avoided, will

Indicates a potentially hazardous situation which, if not MAY cause minor or moderate injury. It can also be used to warn against unsafe practices.

## ATTENTION

This symbol is used to alert the user to useful information on the correct operation of the machine.



## Safety instructions for machinery

- 1. READ THE MANUAL IN ITS ENTIRETY BEFORE STARTING THE MACHINE.** Machine presents risks of serious injury to untrained users.
- 2. ALWAYS WEAR ANSI APPROVED SAFETY GLASSES WHEN OPERATE THE MACHINE.** Normal glasses only have impact resistant lenses. Are not safety glasses.
- 3. ALWAYS WEAR AN ANSI APPROVED RESPIRATOR WHEN OPERATING THE MACHINE.** Wood dust is carcinogenic, that is, it can cause cancer and severe respiratory diseases.
- 4. ALWAYS WEAR HEARING PROTECTION WHEN OPERATING THE MACHINE.** the noise of the machinery can cause permanent hearing loss.
- 5. WEAR APPROPRIATE CLOTHING. DO NOT** wear loose clothing, gloves, a tie, rings or jewelry that can be caught in moving parts. If you have long hair, cover it with something protection element and wear non-slip shoes.
- 6. REFRAIN FROM OPERATING THE MACHINE IF YOU ARE TIRED, UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR MEDICATION.** Be mentally alert at all times.

**7. THE MACHINE SHALL ONLY BE OPERATED BY TRAINED AND PROPERLY**

**SUPERVISED PERSONNEL.** Make sure that the safety instructions are well understood and guaranteed.

**8. KEEP CHILDREN AND THIRD PARTIES AWAY FROM THE MACHINE.** Children and visitors must remain a safe distance from the work area.

**9. WORKSHOP MUST BE CHILDPROOF.** Use padlocks, master switches, and remove keys from ignition switches.

**10. NEVER LEAVE A MACHINE ON.** Press the OFF switch and wait for the machine to come to a complete stop before leaving the machine unattended.

**11. DO NOT USE IN HAZARDOUS ENVIRONMENTS**

**12. KEEP WORK AREA CLEAN AND WELL LIGHTED.** Clutter and dark areas can lead to accidents.

**13. USE A GROUNDED EXTENSION CORD WITH THE CORRECT AMPERAGE FOR THE MACHINE.** Underpowered cables overheat and lose power. Replace extensions if damaged. DO NOT use extension cords for 220V machinery.

**14. ALWAYS DISCONNECT THE MACHINE FROM THE POWER OUTLET BEFORE CARRYING OUT MAINTENANCE.** Check that the switch is in the OFF position before reconnecting.

**15. ALWAYS SUBJECT THE MACHINE TO A GOOD MAINTENANCE.** Keep blades sharp and clean for safer and more efficient performance. Follow the instructions for lubricating and changing accessories.

**16. CHECK THAT GUARDS ARE IN PLACE AND OPERATE PROPERLY BEFORE USING MACHINERY.**

**17. REMOVE ADJUSTMENT AND SPANNER WRENCHES.** Always check the adjusting wrenches and wrenches before starting the machine.

**18. BEFORE USING THE MACHINERY, CHECK FOR DAMAGED PARTS.**

Check the fastening and alignment of the parts, that none of them are broken, the assembly of the parts, that the bolts are tight and all the aspects that can affect the operation of the machine. Repair or replace affected parts.

**19. USE THE RECOMMENDED ACCESSORIES.** See the instruction manual for more information on recommended accessories. The use of inappropriate accessories may cause risk of injury.

**20. DO NOT FORCE MACHINERY.** Work at the speed for which the machine or attachment is designed.

**21. SECURE THE PIECE.** Use clamps or a vise to hold the part when practical. A secure piece protects your hands and frees them to operate the machine.

**22. DO NOT STRETCH YOUR BODY.** Always maintain a firm posture and balance.

**23. MANY MACHINES WILL EJECT THE PART TOWARDS THE OPERATOR.** Be aware of and avoid conditions that cause part kickback.

**24. ALWAYS ATTACH MOBILE BASES (IF USED) BEFORE OPERATING MACHINERY.**

**25. BE AWARE THAT CERTAIN WOODS MAY CAUSE AN ALLERGIC REACTION** in

people and animals, especially if exposed to fine dust.

Check the type of wood dust you will be exposed to and always wear an approved respirator.



## Additional Safety Instructions for Wood Chippers

**1. READ THIS MANUAL AND THE ENGINE MANUAL IN ITS ENTIRETY.** These manuals contain instructions for the safety and proper use of this wood chipper.

**2. SAFETY EQUIPMENT.** Wear safety glasses, hearing protection and gloves when working with the chipper. Check that the people around you are also wearing safety equipment.

**3. ENGINE OPERATION.** Consult the engine manual for information on handling and safety guidelines applicable to a gasoline engine.

**4. HAND PROTECTION.** DO NOT put your hands or any other part of your body into the hopper, funnel, or spout while the blades are rotating. The chipper can pull you into the blades causing amputations. To avoid burns, DO NOT touch the exhaust pipe while the machine is running or immediately after it is turned off.

**5. APPAREL.** Do not wear loose clothing, ties, scarves, or jewelry that could get caught in moving parts. DO NOT wear clothing or gloves with straps or clip-ons. These types of garments can become entangled with the material to be shredded, trapping it in the shredder.

**6. WORKPLACE.** Place the shredder on a firm, flat surface of grass or earth. DO NOT place the chipper on gravel, asphalt, concrete or stone. Chips are thrown with enough force to ricochet off hard surfaces and cause serious injury. DO NOT locate the machine where sparks or heat from the engine could cause a fire.

**7. SOLID FOUNDATION.** Placing the shredder on a slope or slippery surface may cause the operator to fall and strike the machine, which could result in motor burns or amputations if their arm gets stuck in the chute.

Wear closed, non-slip shoes to ensure a firm footing.

**8. JAMS AND JAMS.** Shut off the chipper, wait for all moving parts to stop, and disconnect the spark plug wire before attempting to clear binding or jam.

**9. MATERIAL FEEDING.** Do not hold tight to branches or bushes and let the machine drag the material. The machine sometimes drags the material very quickly and can drag your hand if you are gripping the material tightly. If the blades hit a hard object if the machine starts to vibrate or make a strange noise, turn off the power immediately.

**10. SWITCHING OFF THE SHREDDER.** Shut off machine, wait for all moving parts to stop, and disconnect spark plug wire before moving machine, emptying bag, unclogging intake or discharge lines, filling fuel tank, or making any repairs or maintenance task.

**11. START-UP OF THE BIO-SHREDDER.** Check that the hopper and funnel are empty when you turn on the machine. The starter rope may stop suddenly, causing the machine to tip over or injuring your hand.

**12. CLEANING OF THE SHREDDER.** Wait for the engine to cool down. Then remove the accumulation of dust and sawdust from the motor with a brush to avoid overheating or fire.

### CAVEAT

As with any machine, there is a potential risk when working with it. Accidents are often the result of poor knowledge of the machine or a distraction. Use the machine with respect and caution to reduce the possibility of an accident to the operator. Failure to follow normal safety precautions can result in serious injury.

### CAUTION

A list of safety guidelines cannot cover all contingencies. Every environment is different. Always give priority to safety as this affects your own working conditions. Use this machine and any other with respect and caution. Failure to do so could result in serious injury, equipment damage, or performance degradation.

## SECTION 2: ASSEMBLY

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### Mounting Safety

#### CAVEAT

The machine presents serious safety risks if handled by untrained personnel. Read this manual completely and carefully to familiarize yourself with the controls and operations before starting it up.

### Siting Considerations

#### Location

The shredder should be located on a flat, smooth grass or dirt surface to prevent it from tipping over. DO NOT place the machine on a concrete, asphalt, or other hard material surface. Chips can bounce off a hard surface and cause injury.

#### clearances

Take into account the length of the material to be shredded in the machine and check that the height of the place is sufficient to accommodate the material. Make sure the unit is close to the area where the chips will be used to save transportation. Stay away from the unloading area. Check that there are no third parties, especially children, animals or objects that could be damaged or that you do not want to see covered with chips in the discharge area.

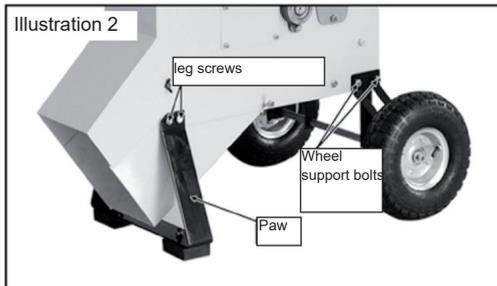
## Mounting

The main components of this wood chipper have been assembled at the factory. It is only necessary to assemble a few small elements. All parts and material listed in the inventory will be used in the assembly process.

DO NOT start the machine until you have assembled all of its parts. Failure to do so could result in serious injury or major machine damage.

### To assemble the shredder:

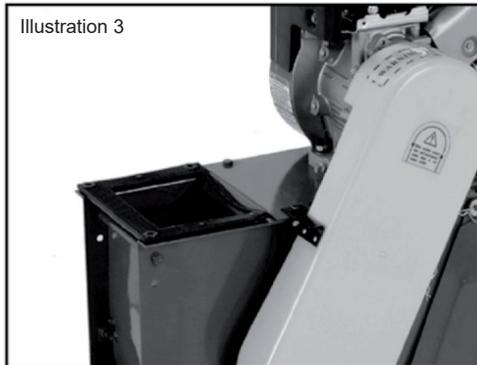
1. Lay the shredder down and remove the four bolts indicated in illustration 2. DO NOT lay the shredder down with full fuel and oil tanks and it would spill.



**Figure 2.** Leg placement

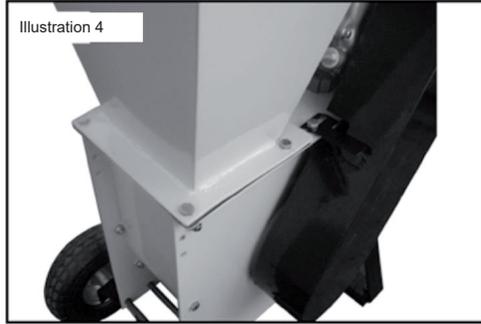
2. Attach the wheels and legs with the bolts removed in Step 1.

3. Stand the shredder upright and fit the hopper gasket around the shredder. Hopper as indicated in illustration 3.



**Figure 3.** Hopper Gasket Placement

4. Place hopper over gasket and line up all holes. Secure it with screws, hexes, and lock nuts. (See Illustration 4).



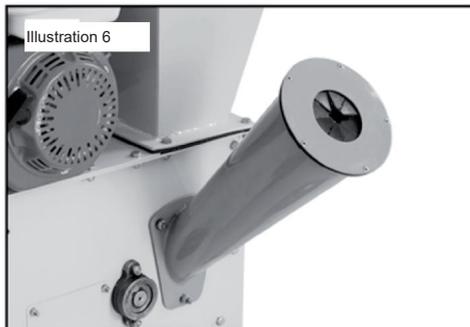
**Illustration 4.** Securing the hopper

5. Place handle on hopper and line up all holes. Secure using washers and bolts. (See illustration 5).



**Figure 5.** Installing the handle

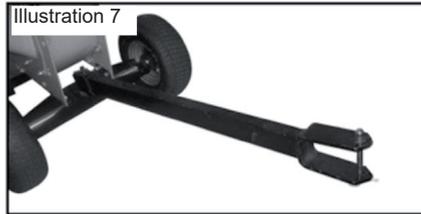
6. Place the funnel over the studs on the side of the shredder and secure using washers and locknuts (See Illustration 6).



**Figure 6.** Funnel Installation

7. If it includes a trailer hitch. Place a tow bar head on the

wheel clamping system and align the hole. Insert the fixed pin and secure it with a pin (see illustration 7).



**Figure 7.** Attaching the tow rod

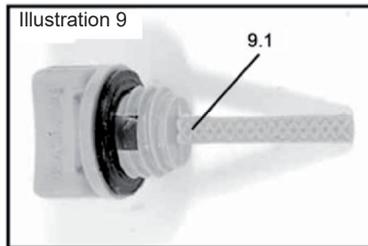
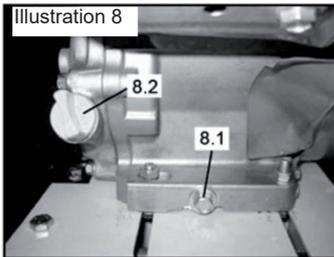
8. Before working with the machine, fill the engine with gasoline and oil according to the instructions.

## ATTENTION

This wood chipper is not delivered with oil in the engine. Add oil before starting or the engine will seize.

### Filling engine oil

Place the machine on a flat surface and remove the oil filter cap (Illustration 8)(8.1)

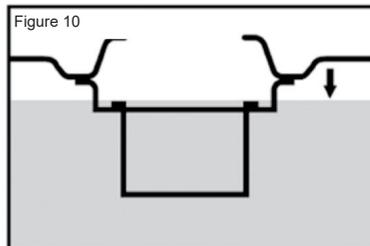


Fill engine oil up to the upper level of the dipstick (Illustration 9) (9.1)

### Filling the fuel tank

The wood chipper is powered by a four-stroke engine powered by unleaded gasoline. Use a suitable funnel to transfer the fuel to the tank avoiding any spillage or overfilling. The fuel tank should not be filled above the fuel filter.

fuel as indicated in Figure 10.



## SECTION 3: HANDLING

### Safety during handling

#### CAVEAT

If you do not wear the proper protective equipment, you could injure your eyes, hands, and ears. Always wear safety glasses, ear protection, and leather gloves when working with this machine.

#### CAVEAT

Loose hair and loose clothing can get caught in the machine and cause serious injury. Avoid loose clothing and tie up your hair when working with machinery with moving parts.

#### ATTENTION

If you have not used this machine before, we **STRONGLY RECOMMEND** that you read professional books, magazines, or receive formal training before beginning any project.

#### ATTENTION

This wood chipper is not delivered with oil in the engine. Add oil before starting or the engine will seize.

### shredded

You must understand and follow all safety precautions listed in SECTION 1: SAFETY before operating the machine.

This shredder is designed for mulching gardens or for the removal of pruning waste such as green branches, small twigs, bushes, lianas, and long grasses. DO NOT use this shredder for shredding construction debris, plastic, paper or cardboard, rope, twine, or any material that may contain metal.

**Note:** Remove any nails, string, twine, or stones that may be between the roots before inserting the material into the grinder.

#### To operate the shredder:

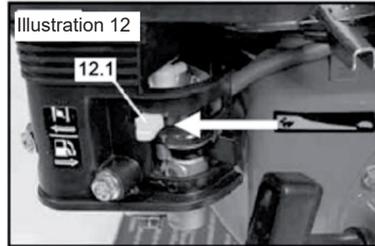
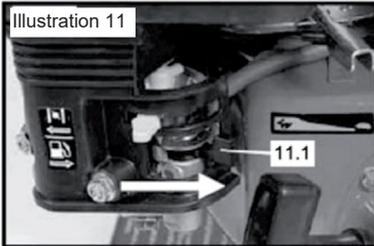
1. Place the machine on a flat, firm ground or grass and place the drain line discharge pointing in a safe direction.
2. Check fuel and oil levels before starting engine.
3. Place the bag on the hopper and secure it properly.
4. Check that the hopper and funnel are empty before turning on the machine. Yes If there is material in the hopper or funnel, the starter cable could stop suddenly, and cause the machine to overturn or injure hands or arms.
5. Put on eye and ear protection and gloves, start the machine according to instructions in the manual, and then set the throttle to fast.

6. Stand to one side of the hopper and check that you have a stable and secure footing.

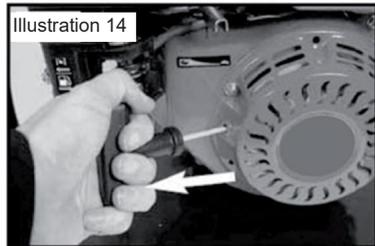
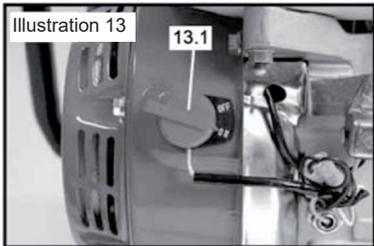
**Start up of the wood chipper:**

Turn the fuel lever to the ON position (Illustration 11) (11.1)

Place the choke lever in the ON position (Illustration 12) (12.1)

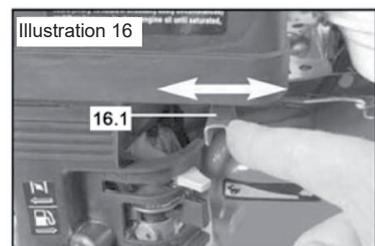
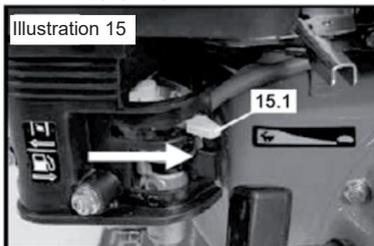


Turn the motor ON/OFF switch to the ON position (Illustration 13)(13.1)



Firmly grasp the engine with one hand on the chassis. With the other hand grasp the recoil starter rope handle and pull slowly until resistance is felt, indicating the starter is engaged. When you feel this resistance, pull hard on the rope (Illustration 14). Repeat this procedure until the engine starts.

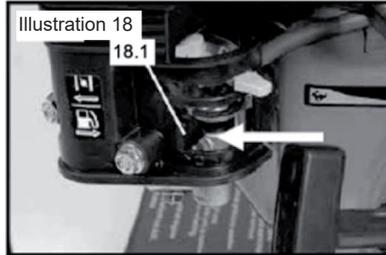
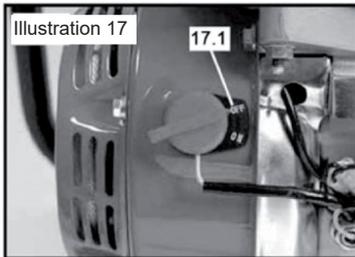
After the engine has started and is running smoothly, return the choke lever to the OFF position. (Illustration 15). (15.1)



When the engine is running, the speed can be adjusted by moving the throttle control lever (Illustration 16)(16.1) to the high, medium or low position (indicated by a turtle).

**To stop the shredder:**

To stop the wood chipper, turn the ON/OFF switch to the OFF position (Illustration 17) (17.1).



After the engine has stopped and before storing, move the fuel lever to the OFF position as shown in illustration 18(18.1).

**To shred small branches, leaves, and brush: 1.**

Slowly pour material into hopper. Avoid piling up too much material at one time or you will jam the machine.

2. Use a branch with a diameter of about 2.5 cm to push the material into the hopper if necessary (See illustration 19). **DO NOT** use your hands.



**Illustration 19:** Shredding branches

**NOTE:** Idle throttle, or turn shredder off, when not shredding.

3. Shut off machine, wait for moving parts to come to a complete stop, and disconnect spark plug wire before emptying bag, unclogging intake or discharge lines, filling fuel tank, or performing maintenance or repairs .

**Shredding tips:** • Add

material to the shredder slowly. If the motor is running slower, it is feeding material too fast. • Roots and dirty material will damage or wear the blades. • Remove chips frequently. If you let these accumulate in the discharge tube, it will end up clogging. • Avoid shredding wet leaves or brush to reduce clogging. If you have to grind fresh wet material, alternate it with dry material.

**To shred branches:**

1. Stand to one side of the hopper and check that you have a stable and secure footing.

2. Remove small twigs from the branch if they are likely to catch on the edges of the funnel, thereby preventing the branch from entering the funnel.
3. Insert the branches into the funnel, thickest part first, and let the blades pull the branch into the funnel (see illustration 20).



**Illustration 20:** Shredding branches

4. When shredding is complete, turn machine off, wait for moving parts to come to a complete stop, and disconnect spark plug wire before moving machine, emptying bag, unclogging intake and discharge lines, refueling, or carry out repairs or maintenance.

**Grinding tips:** • DO NOT

put material into the funnel that exceeds the diameter indicated on the funnel lid. Branches that are too big will cause the motor to stall. • Shredding wood when it is green is easier for the machine. Blades will stay sharp longer. • The shredder will work better if the blades are sharp. Rotate, sharpen or replace blades as soon as shredder performance begins to deteriorate.

## SECTION 4: MAINTENANCE

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### CAVEAT

**Shut off machine, wait for all moving parts to stop, and disconnect spark plug wire before moving machine, emptying bag, unclogging intake and discharge lines, refueling, or performing repairs or maintenance**

### Visual inspection

Both before and after using the wood chipper, visually inspect for loose or damaged parts.

- Check that the hopper, the hopper protection and the funnel do not have cracks, holes or loose bolts.
- Check for cracks or damage to the case chassis.
- Check that none of the screws or bolts are loose or loose.
- Check blades and hammers for cracks or damage.
- Check the engine oil level.

## Cleaning

Clean the machine after each use. Wait for the engine to cool down and remove the spark plug wire. Brush or vacuum clean wood chips and sawdust from the outside of the machine with a dry cloth. DO NOT get the shredder wet. Remove any debris or debris from the hopper and discharge opening.

It will be much more difficult to clean the machine if you allow time to pass before cleaning it. You may need to use an engine cleaner to remove resin buildup from the engine. You can find engine cleaners at most auto parts stores.

## Engine Maintenance

### Spark plug

You will need to remove the spark plug every 50 hours of operation. Watch for the color of the deposits on the end of the spark plug. They should be a "tan" color. Remove deposits using a stiff brush, a wire brush would be ideal. Check the valve electrode gap (Illustration 21) (21.1) and adjust if necessary. The correct separation will be between 0.7 and 0.8 mm.



### Engine oil change

Place the machine on a smooth surface and warm up the engine for a few minutes. Then turn off the engine.

Remove the oil filter plug (Illustration 8)(8.1)

Place an oil pan under the engine. Remove the drain plug for the oil (Illustration 8) (8.2) in order to completely drain the oil. You will need to use a pipe or similar device to prevent oil from spilling onto the chipper frame.

Check the oil drain plug, valve, oil filter cap and O-ring. If any are damaged, replace them.

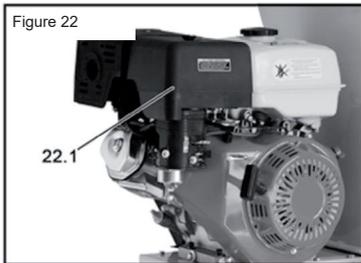
Reinstall the oil drain plug.

Add engine oil to the upper level on the dipstick. (Illustration 9)(9.1)

### Air filter

Every 100 hours of use or once a month, remove the air filter (Illustration 22)(22.1) and check that it is not dirty or damaged. Clean the air filter thoroughly using an agent

water-based degreaser that is respectful with the environment. Wait for it to dry completely and then put the filter back. **Caveat!** Never run the engine without the filter installed.



### **fuel tank filter**

Every 150 hours of operation or every three months, you should remove and the fuel tank filter (Illustration 23) (23.1). Remove the fuel tank filter cap and filter, clean it well using an environmentally friendly water-based degreasing agent, and install it again.

## **Storage**

Follow the guidelines below when storing your shredder:

- Remove the spark plug wire to prevent any accidental ignition.
- Empty the bag before storing to prevent plant material from rotting in the bag.
- Store the shredder in a flat, dry place. If the shredder is not level, could leak fuel or oil.
- Do not store the shredder near a source of ignition, such as a stove, firewood, a gas or electric heater or any appliance with a pilot light.
- Store the wood chipper in a well ventilated area. **DO NOT** store the machine in a area that allows toxic gas emissions to reach areas inhabited by people or animals.
- Close discharge chute baffle and place covers on hopper and funnel to prevent any object or animal from accessing the machine.
- If you are not going to use the machine for more than a month, you should do the following Storage Procedure: Drain all fuel from the tank and carburetor. remove spark plug and pour about a tablespoon of clean engine oil into the spark plug hole. the spark plug With the ignition off, gently pull the starter rope from recoil. Replace the spark plug, continue to pull the recoil starter rope until the piston is on the compression stroke (when resistance is felt). Then, stop pulling.

# **SECTION 5: SERVICE**

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Review the procedures and troubleshooting in this section to troubleshoot any problems your machine may have.



**Shut off machine, wait for moving parts to come to a complete stop, and disconnect spark plug wire before moving machine, emptying bag, unclogging intake and discharge lines, refueling, or performing repairs or maintenance.**

### Problem resolution

Problem	Possible cause	Possible solution
The motor does not start	<ol style="list-style-type: none"> <li>Control levers are not in the correct positions to start.</li> <li>Spark plug wire not connected or spark plug defective.</li> <li>No fuel or fuel it's stale</li> <li>Air filter is dirty.</li> <li>Low engine oil level.</li> <li>fuel line is blocked</li> </ol>	<ol style="list-style-type: none"> <li>Check that the ON/FF switch is in the ON position, the fuel shutoff valve is open, and the throttle and primer controls are in the off position.</li> <li>Connect spark plug wire or replace spark plug.</li> <li>If empty, refuel. If you have fuel, change it to fresh fuel.</li> <li>Clean the air filter.</li> <li>Add oil.</li> <li>Clean the duct</li> </ol>
The engine runs from irregular shape	<ol style="list-style-type: none"> <li>Engine is warm and choke is still in CHOKE position.</li> <li>The air filter is dirty.</li> <li>Gasoline is stale, dirty, or has water in it.</li> </ol>	<ol style="list-style-type: none"> <li>Move the choke to the RUN position.</li> <li>Clean the air filter.</li> <li>Drain fuel tank, clean fuel line and fill tank with fresh fuel.</li> </ol>
The engine is overheats	<ol style="list-style-type: none"> <li>There are chips or sawdust around the motor.</li> <li>The air filter is dirty.</li> </ol>	<ol style="list-style-type: none"> <li>Clean the engine.</li> <li>Clean the air filter.</li> </ol>
The machine vibrates or makes strange noises	<ol style="list-style-type: none"> <li>Loose or damaged parts.</li> <li>Blades or impeller have woody residue or splinters stuck.</li> </ol>	<ol style="list-style-type: none"> <li>Check blades, hammers, impeller and all connections. Tighten, repair or replace all damaged parts.</li> <li>Clean impeller or blades.</li> </ol>
does not grind well	<ol style="list-style-type: none"> <li>Blades are blunt or damaged.</li> <li>V-belt is loose, worn, or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>Sharpen or replace blades and make sure hammers are undamaged.</li> <li>Replace or tighten V-belts.</li> </ol>
Chips do not come out do it slowly	<ol style="list-style-type: none"> <li>Discharge chute or hopper is clogged. the download channel or</li> <li>The engine does not rev as enough.</li> </ol>	<ol style="list-style-type: none"> <li>Shut off the engine, disconnect the spark plug, and then clean the machine.</li> <li>Put the throttle in the FAST position.</li> </ol>

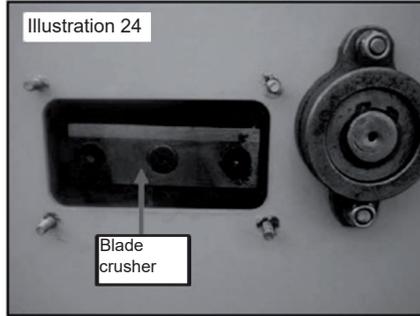
### Change of Blades

Sharpen or replace blades as soon as performance suffers or you notice nicks, cracks, or dents.

**To perform this procedure: 1.**

TURN THE MACHINE OFF, WAIT FOR ALL MOVING PARTS TO COME TO A COMPLETE STOP, AND DISCONNECT THE SPARK PLUG WIRE.

2. Remove the side shield plate to expose the blades. (see Illustration 24).



**Figure 24:** Shredding Blade

3. Remove one blade, turn the impeller and remove the second blade.
4. Have the original blades sharpened by a professional or order a replacement set. Then reinstall them.
5. Replace side shield plate and connect spark plug lead.

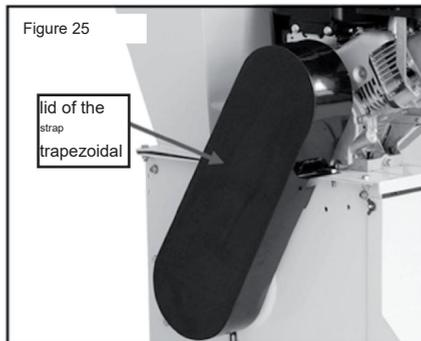
## Replacing the V-belt

Change or tighten the V-belt if you notice that the engine is running and the blades are not turning.

**To perform this procedure: 1.**

TURN THE MACHINE OFF, WAIT FOR ALL MOVING PARTS TO COME TO A COMPLETE STOP, AND DISCONNECT THE SPARK PLUG WIRE.

2. Remove the V-belt cover as indicated in illustration 25.



3. Remove belt from pulleys and install new belt.
4. Replace V-belt cover and connect spark plug lead.

## ENVIRONMENTAL PROTECTION

Information for the responsible disposal (for individuals) of Waste Electrical and Electronic Equipment.



This symbol on the products and accompanying documents indicates that electrical and electronic equipment that has reached the end of its useful life should not be separated from household waste. For proper treatment, recovery and recycling, take these devices to a clean point where they will be accepted free of charge. In some countries it is possible to return them to your distributor at the time of purchasing a new equivalent product. The correct disposal of this waste will contribute to saving important resources and will prevent potentially adverse effects on the health of people and the environment. Contact your local authorities for more information on the nearest clean point. Penalties may be imposed for incorrect waste disposal in accordance with national laws.

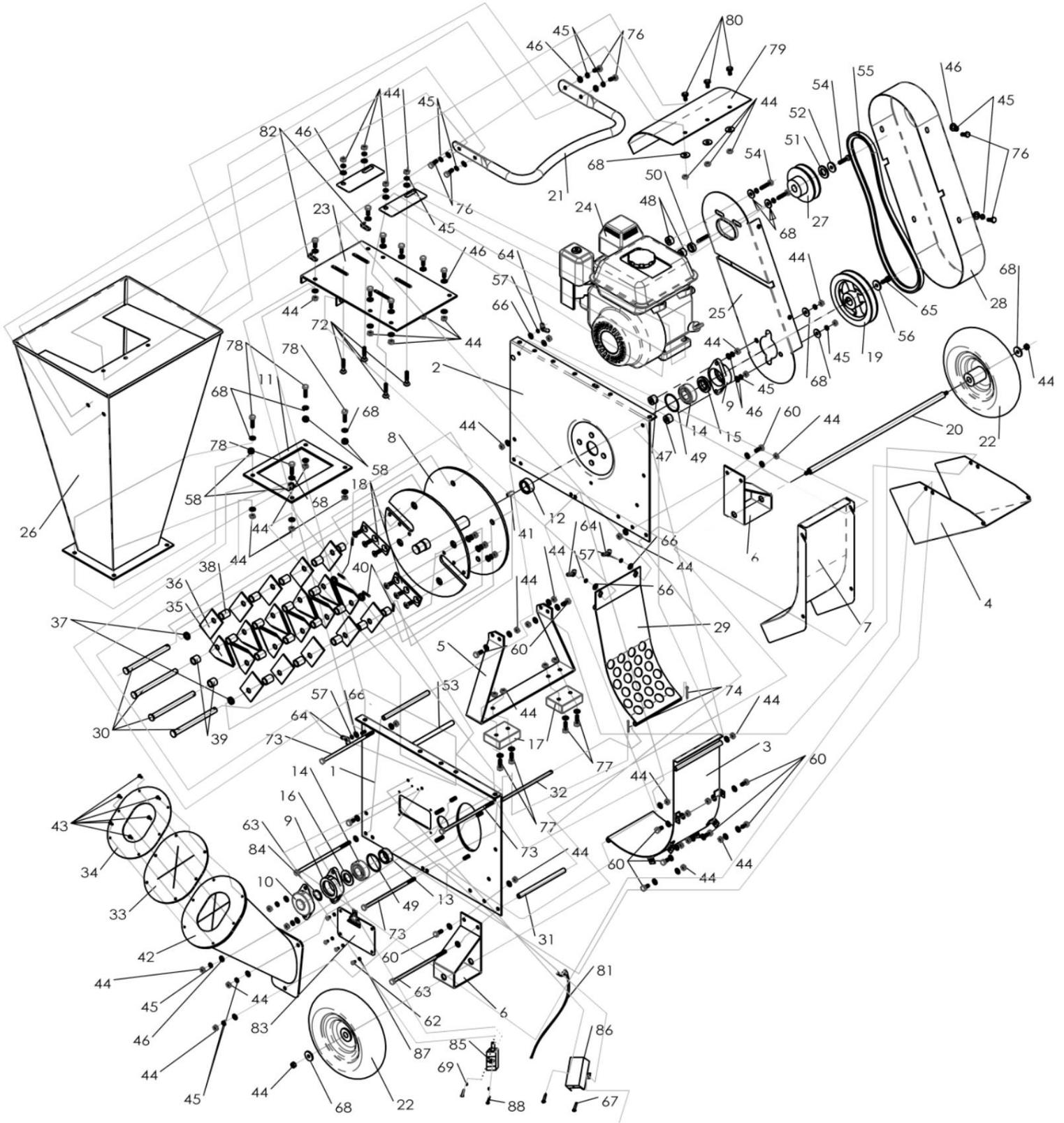
### For companies within the European Union

If you wish to dispose of electrical or electronic equipment, please contact your dealer or distributor for further information.

### Information for waste treatment in countries outside the European Union

This symbol is valid only in the European Union.

If you wish to dispose of electrical or electronic equipment, please contact the local authorities or your dealer for the correct treatment method.



# CE DECLARACIÓN DE CONFORMIDAD



## EMPRESA DISTRIBUIDORA

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15688 OROSO - A CORUÑA  
ESPAÑA



## DECLARACIÓN DE CONFORMIDAD CE

En cumplimiento con las diferentes directivas CE, en la presente se confirma que, debido a su diseño y construcción, y según marca CE impresa por fabricante en la misma, la máquina identificada en este documento cumple con las exigencias pertinentes y fundamentales en seguridad y salud de las citadas directivas CE. Esta declaración válida al producto para mostrar el símbolo CE.

En el caso de que la máquina se modifique y esta modificación no esté aprobada por el fabricante y comunicada al distribuidor, esta declaración perderá su valor y vigencia.

Denominación de la máquina: BIOTRITURADOR

Modelo: BIO70D / BIOI50D

Norma reconocida y aprobada a la que se adecúa:

Directiva 2006/42/CE  
Directiva 2014/30/EU

Testada de acuerdo a:

EN ISO 12100:2010,  
EN 13683:2003+A2:2011+AC:2013,  
EN 349:1993+A1:2008, EN ISO 14120:2015, EN ISO 13857:2008, EN 13525:2005  
+A2:2009, EN ISO 14982:2009

Sello de empresa

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09/09/2019

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