



BLUEBIRD INDUSTRIES

OLIVE SHAKER

OS 610 TV - TJ 53 E

instructions for the use, the maintenance

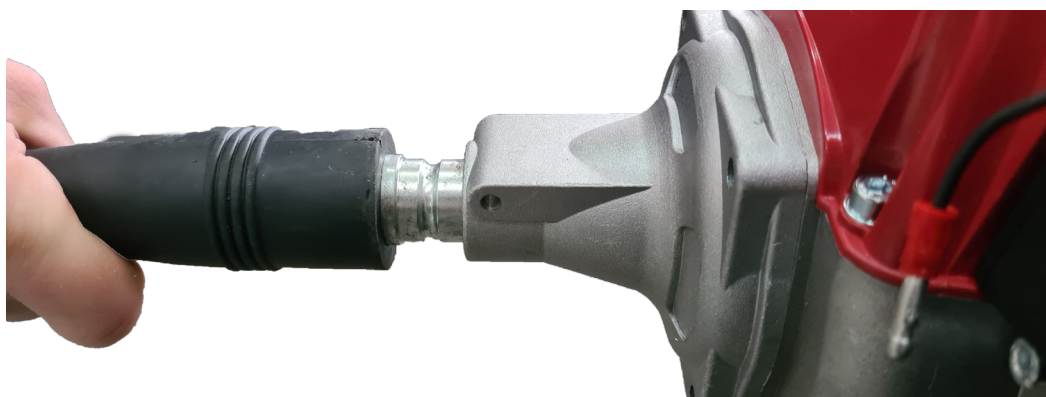
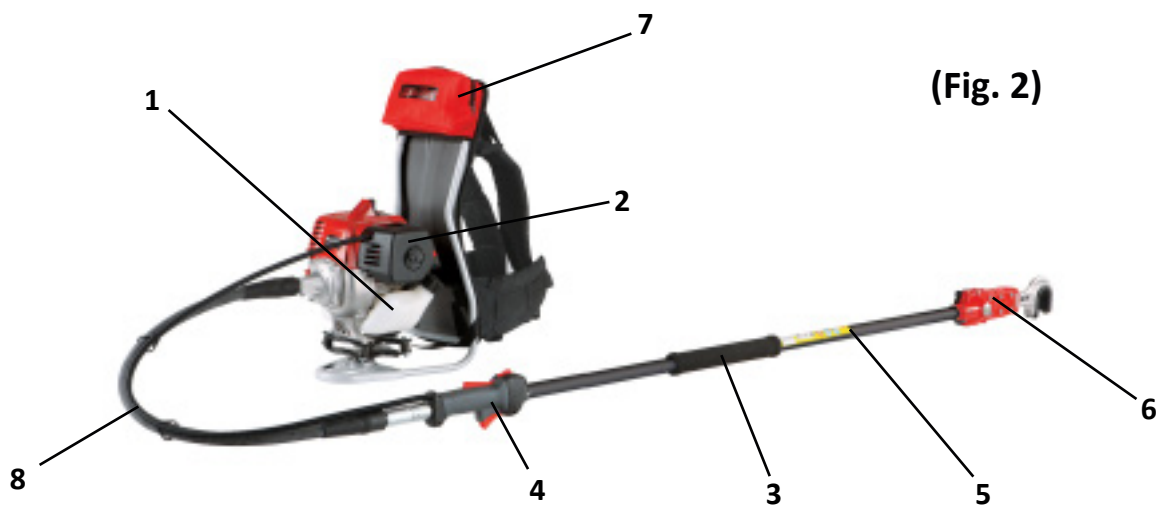


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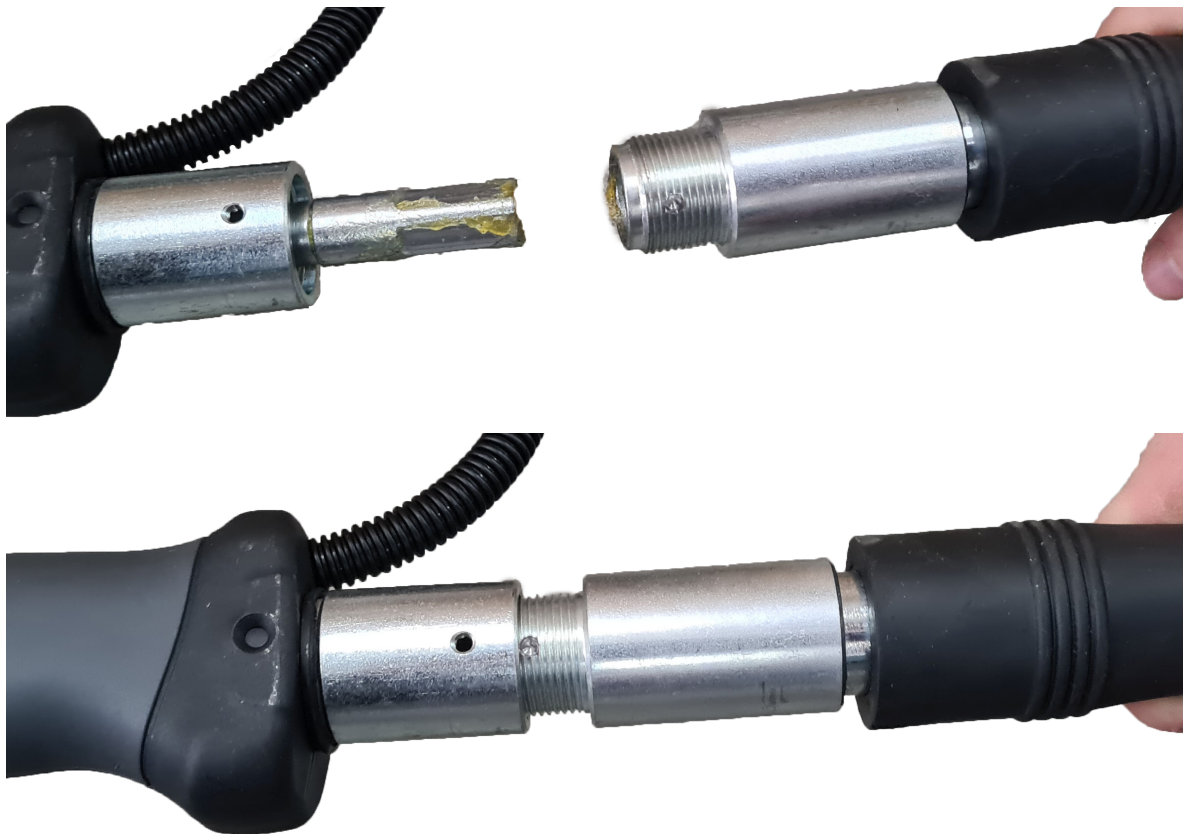


PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING THE UNIT

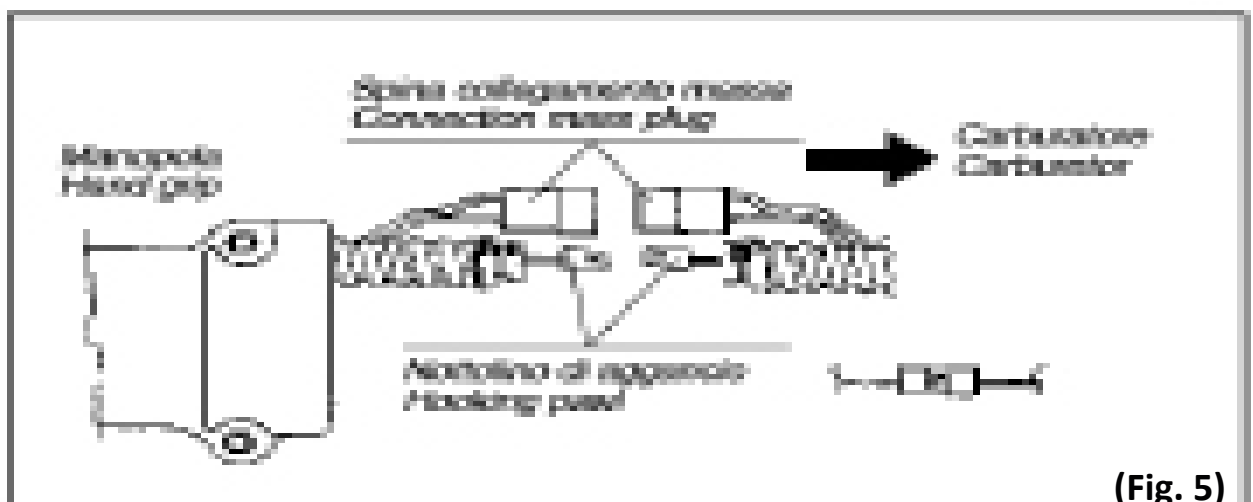
Translation of original instructions



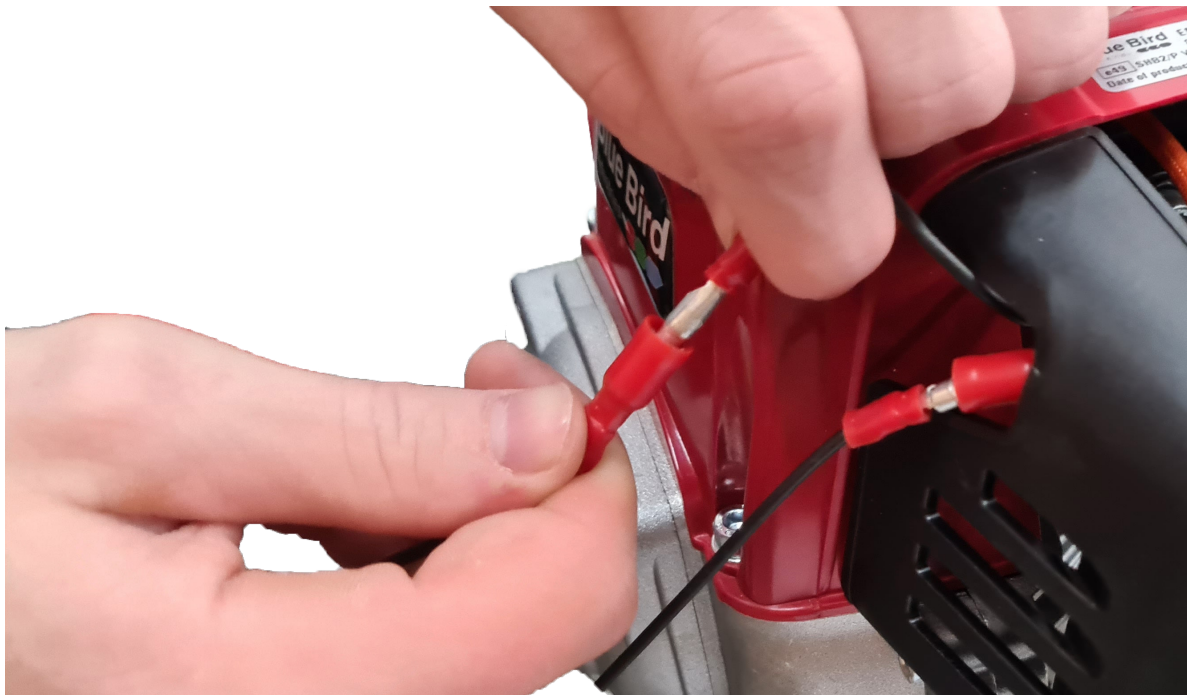
(Fig. 3)



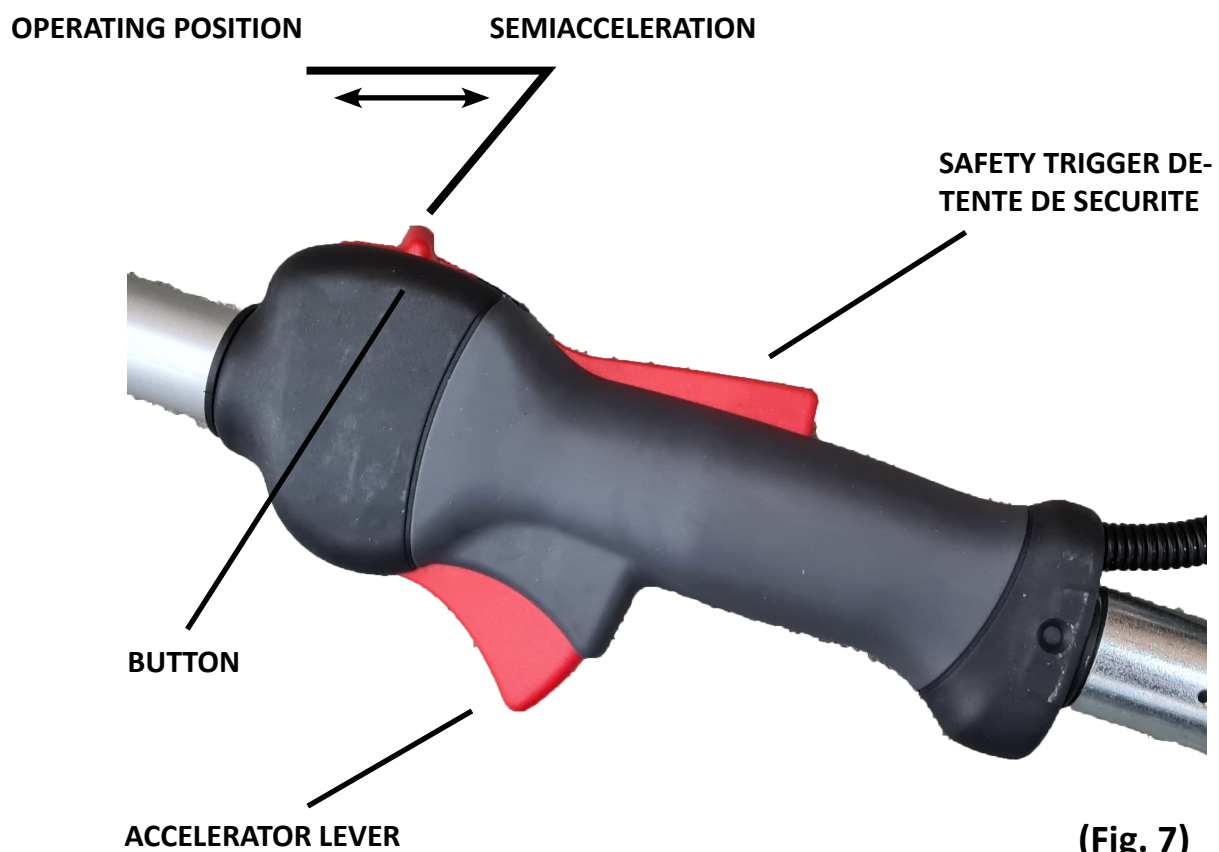
(Fig. 4)



(Fig. 5)



(Fig. 6)



(Fig. 7)



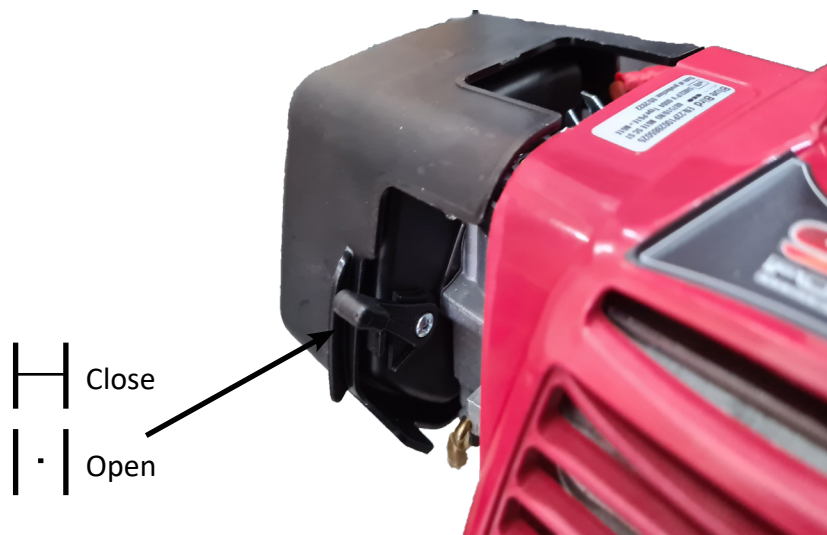
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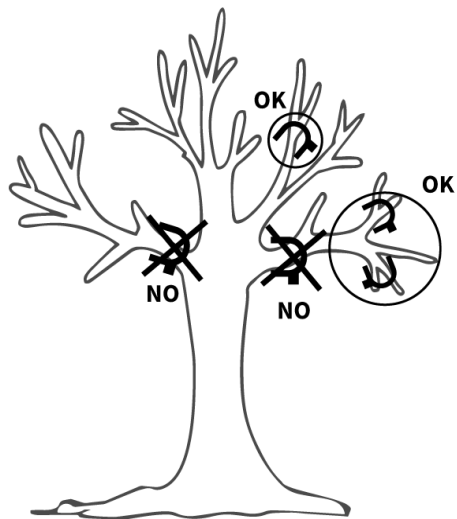
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(Fig. 10)



(Fig. 11)



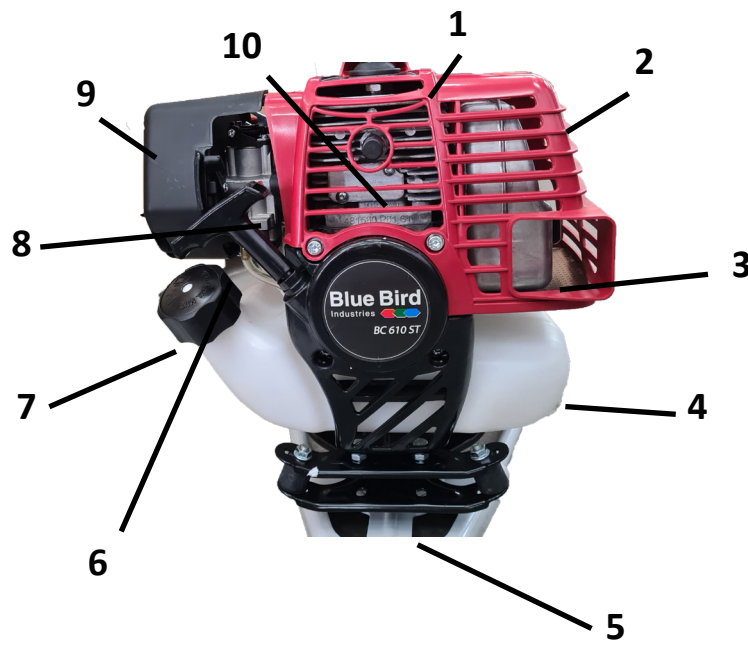
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(Fig. 13)



(Fig. 14)



(Fig. 15)



(Fig. 17)

TABLE OF CONTENTS

1. SAFETY RULES

1.1 Introduction.....	Pag. 9
1.2 Appropriate use.....	9
1.3 General instructions.....	9
1.4 Safety signs.....	9
1.5 Appropriate clothing and protection means.....	10
1.6 The vibrations and the cold	11
1.7 Injury by repetitive efforts.....	11
1.8 Machine protections and safety systems	11

2. TECHNICAL CHARACTERISTICS

2.1 Technical data table	pag. 12
2.2 Main parts	12

3. ASSEMBLY

3.1 Assemblaggio	pag. 13
------------------------	---------

4. STARTING

4.1 Introduction	pag. 14
4.2 Fuel	14
4.3 Use of the gas control handle	14
4.4 Before starting	15
4.5 Engine starting	15
4.6 Breaking in the engine	16

5 USE OF THE MACHINE

5.1 Correct use	pag. 17
5.2 Use of the machine.....	17

6 MAINTENANCE

6.1 Carburetor adjustment.....	pag. 18
6.2 Routine maintenance	18 - 19
6.3 Trouble-shooting	20
6.4 Cleaning and transport of the machine after use	20
6.5 Periods of inactivity	20
6.6 Elimination and disposal	20

7 LIMITED WARRANTY	pag. 21
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1.1 Introduction

BLUE BIRD IND. machines and equipment are under constant development and we reserve the right to modify the respective technical data, weights, construction and standard equipment provided in any moment without notice. The information and illustrations contained in this manual are purely indicative and not legally binding.

1.2 Appropriate use

The olive-shaker should be exclusively used for pendent fruit (olives, nuts, hazel-nuts, almonds, etc.). Any use of the product other than specified in the present manual could result dangerous.

1.3 General instructions

- Carefully read and comprehend all the instructions and recommendations provided in this manual before beginning to work. This manual must be constantly maintained in good condition for immediate consultation whenever necessary.
- The machine must be used only by adults who have been instructed in its use by a qualified technician or your local dealer.
- All people, animals and delicate property must be kept at least 15 meters away from the machine's radius of operation.
- The operators of the machine are responsible for any and all injury and damage caused to third parties within the machine's radius of operation.
- The operators must always use the appropriate protection means and wear close-fitting work suits, heavy-duty shoes, gloves and protective helmets, etc.
- Goggles or face-masks, and head-phones or ear-plugs must also always be worn.
- The operators should always be in good physical condition, well-rested, and never under the influence of alcohol, drugs, or medicines.
- The machine must be operated only under conditions of good visibility and in natural daylight.
- Never use cutting tools other than those supplied by the manufacturer, and use only original spare-parts.
- Never use broken, worn-out, deformed, dented, or cracked cutting tools.
- Never start the brushcutter or keep it running in closed rooms.
- Mix and handle the fuel in the open air only far from all sources of heat, sparks or flames with the engine switched off. Refrain from smoking while mixing or handling fuel.
- All maintenance, repair and component replacement operations must always be performed with the engine switched off.
- All the machine's safety systems and the protective equipment must be maintained operative whenever the brushcutter is being used.
- Beware of the effects of prolonged vibration. Stop working and take short pauses from time to time.
- Carefully read the instructions regarding appropriate clothing and adequate protection means below.

1.4 Safety signs

1) WARNING, DANGER, CAUTION



2) READ THE DOCUMENTATION AND SAFETY INSTRUCTIONS FOR THE PRODUCT PROVIDED IN THE MANUAL



3)USE PROTECTIVE EQUIPMENT FOR THE PRESERVATION OF HEARING AND EYESIGHT DURING THE USE OF THE MACHINE **4) NO PEOPLE, ANIMALS OR DELICATE PROPERTY MUST COME WITHIN 15 METERS OF THE MACHINE'S OPERATING RADIUS**



5) RISK OF INTOXICATION



6) RISK OF FIRE OR EXPLOSION



1.5 Appropriate clothing and protection means



Carefully read the following instructions regarding the type of clothing and protection means (Fig. 1) prior to using the machine.

- Wear close-fitting work suits (avoid wearing loose shirts or unfastened articles of clothing).
- Avoid wearing jewellery, ties, scarves or anything else that might get caught up in the branches of shrubbery or the moving parts of the machine.
- Tie up your hair so that it is always above shoulder length.
- Wear closed work shoes or boots equipped with nonslip soles to guarantee a perfect tread on the ground (never use the machine barefoot or wearing open, low shoes or slippers).
- Wear the helmet whenever the risk of falling objects arises during pruning operations or the cutting of tall shrubbery.
- The use of the face-mask and/or fog-proof goggles is essential for the protection of the faces and eyes. Wear them always!
- Protect your hearing by wearing head-phones or earplugs.
- Always wear work gloves for protection against cutting.

Description of safety parts:

- Safety helmet
- Head-phones
- Chip-guard face-mask
- Quick-release safety belt
- Gloves
- Safety guard
- Safety shoes
- Heavy-duty work suit
- Vibration-damping support
- Accelerator knob with "STOP" switch
- Engine with overheating protection

1.6 The vibrations and the cold



The machine produces vibrations which may cause damage to the operator.

The exposure to cold and vibrations may cause tingling and sting followed by pallor and fingers numbness. It is strongly advised to observe the following cautions, as the minimum exposure causing disturb is unknown.

- Keep your body warm, especially the head, neck, feet, ankles, hands and wrists.
- Keep a good circulation of the blood by making vigorous arms exercises during frequent work stops and avoid smoking.
- Limit the using hours number. Try to fill each day with works which don't request the use of other machines.

1.7 Injury by repetitive efforts.

It is considered that the excessive use of the muscles and of the fingers, hands, arms and shoulders tendons may cause pain, swelling, numbness, feebleness and strong pains in the mentioned zones. Some manual activities if continued in time may be the cause of high risk of injuries development by repetitive efforts. In order to reduce such risk, it is advised to:

- Avoid using the wrist bended, lengthened or turned.
- Stop at regular intervals in order to repeat the less possible the same movements and let the hands rest.
- Reduce the speed and force by which the repetitive movement is being performed.
- Make exercises that strengthen the hand and arm muscles.
- Consult a doctor whenever tingling, numbness or pains of fingers, hands, wrists or arms may appear. The timely injury diagnosis may reduce the risk of serious personal damages.

1.8 Machine guards and safety systems

Before starting the machine, remember that it is provided with the following set of "safety devices" for your protection:

- Adequate safety guards that provide protection against accidental contact with the machine's heated surfaces
- Spark-plug cover in nylon or rubber that provides protection against accidental contact with the machine's high-voltage electrical parts
- Rod-engine connection case equipped with vibrationdamping rubber
- Safety belts in non-inflammable material equipped with

2.1 Technical data table

MODEL	TJ53Z TV	OS 610 TV
Net weight (without mixture) (Kg) - Shaft length = 1800 mm	12,1	13,1
Net weight (without mixture) (Kg) - Shaft length = 2800 mm	12,7	13,3
Displacement (cc)	53,2	57,9
Max. power (kW)	2,00	2,8
Engine speed at max. power (min-1)	7500	7000
Max. recommended engine speed (min-1)	10.800	10.600
Min. engine level (min-1)	2.500	2.500
Clutch coupling (min-1)	3.500	3.500
Fuel tank capacity (cc - litres)	1100 - 1,1	900 - 0,9
Clutch direction of rotation (seen from the power take-off)	Left	Left
Specific fuel consumption at max. power (g/kwh)	430	852
Level of sound pressure (LpA av) in dB(A)	92	95
Level of sound power (LwA av) in dB(A)	112	115

2.2 Main parts (Fig. 2)

1. Mixture tank
2. Carburetor/Air casing
3. Vibration-damping handle-bar/grip
4. Gas control knob lever with safety
5. Transmission rod
6. Vibrating head
7. Backpack
8. Flexible shaft

3.1 Assembly

Make sure that all parts have been assembled correctly before starting to work.

Flexible shaft-engine for “Flash” line (OS 610 TV): Connect the flexible shaft to the engine by inserting the end with the longer iron sleeve in the clutch case until this sleeve cannot go in any further. Then lock it in place so that it cannot be removed from the engine by screwing down the two fixing screws on the jaws.

Shaft - Flexible transmission (Fig.4): Connect the shaft and flexible transmission two ends between them, screwing the rigid shaft ring on the threaded sleeve of the flexible shaft, blocking them by the fitting threaded grains.

Connection of gas control cable with the flexible shaft (Fig. 5):

Fasten the two coupling pawls together and insert them in the cable coupling case, making sure that the gas control cable on the handle side is inserted in the respective slot in the case.

Close the cable coupling case and connect the ground connection pins (Fig. 6). Then connect the gas control cable, the eyelet terminal, and the female fast-on connector as explained above for the rigid shaft model.

Backpack:

in all models equipped with flexible shaft, the engine is mounted in a backpack equipped with two adjustable shoulder straps. The left strap is equipped with a clip buckle that permits the backpack and the machine to be immediately discarded whenever risks arise.

Vibrating head:

Introduce the vibrating head into the lower end of the rigid shaft and make the inner shaft enter inside the head seating. Firmly close the two fixing screws of the head, so as to render the shaft integral with the head itself.

4.1 Introduction

The machine is provided with a set of “safety guards” for your protection; make sure that they are all in place and in good working order before starting the machine.

4.2 Fuel

- The Blue Bird machines have been designed for operation with both premium grade fuel and lead-free petrol. When using lead-free petrol, we recommend using synthetic oil specifically formulated for two-stroke engines subjected to high stress to be mixed in the percentage indicated on the packaging (usually 2%). Whenever mineral or semi-synthetic oils are used, the percentage of oil must be 5%. The use of synthetic oil specifically formulated for two-stroke engines reduces the formation of fuel ash and deposits both on the spark plug and piston and in the cylinder and muffler, and the emission of exhaust as well.

In addition, lubrication will be optimised for the longer working life of the engine. It is also important to use only qualified brands of petrol and oil, and to use the fuel/oil mixture within three weeks of preparation.



Mix the petrol with the oil before adding it to the tank, and perform this operation in an open area with good ventilation far from sparks and flames and sources of nonelectric light, without smoking, and with the engine off.

- Proceed to the filling of the tank by slowly unscrewing the cap and pouring in the mixture, being careful to avoid spilling and immediately wiping up any spills that occur from around the engine. Be careful not to spill any mixture on your clothing.

- Start the engine at least three meters away from the place where the fuel tank was filled in order to avoid risk of fire.

- Never fill the fuel tank when the machine is hot.

4.3 Use of the gas control handle

For the correct use of the gas control handle (Fig. 7), the operator must be familiar with all its functions, and in this way switch on the machine and keep the work speed under control.

SEMI-ACCELERATION FOR STARTING

- Grip the gas control handle by pressing the red safety trigger position on the top part of the knob with the palm of your hand.
- Press the accelerator lever to the end of its stroke.
- Position the red button in the START position and then release the lever.
- You can now start the machine. The use of the safety trigger is indispensable in order to avoid dangerous accelerations caused by imprudent or accidental manoeuvres. If the safety trigger is not pressed first, the accelerator lever cannot be used.

N.B. After the engine has started, the button automatically returns to its central position after the first acceleration.

ACCELERATION WITH THE MACHINE SWITCHED ON

- Grip the gas control handle by pressing the safety trigger.
- Press the accelerator lever as required by the speed to be used.

STOP (to switch off the engine)

- Release the accelerator lever and the safety trigger, and then set the button in the STOP position.
- In order to re-start the machine, the red button must be set in the CENTRAL position, and then the various semi-acceleration and acceleration operations can be performed as explained above.

4.4 Before starting

Before starting the machine, make sure that it has been carefully positioned on a flat, clean surface free from obstacles. Then set it up in horizontal position in such way that the cutting tool does not touch the soil or any other object. Make sure that all the screws, especially the fixing screws for the rod and vibrating head are well tightened.



Starting the machine inside closed rooms or buildings is prohibited, and breathing the exhaust fumes can lead to intoxication.

4.5 Engine starting

Proceed as follows to start the engine:

1. After carefully completing all the operations required for preparation and fuel supply, set the gas control lever and the red button in the START position.
2. Grip the brushcutter with the left hand and press the transmission rod in order to keep it firmly positioned on the ground, and then use the right hand to slowly pull the starting cord until the pawls hook on the flywheel.
3. Follow the instructions regarding the carburetor provided below and then pull the starting cord with force until the machine starts up. Never pull the starting cord all the way out in order to avoid damaging its connection mechanism.

The olive-shakers with piston displacements of 45 c.c. and above are equipped with a decompressor that facilitates the starting of the engine by reducing the amount of force to be applied to the starting cord when the machine is being started.

In order to start these types of engines, press the decompressor button (Fig. 8) positioned on the cylinder at the side of the starting and then proceed as indicated in (point 1).

Carburetor preparation for starting:

- with the engine cold, press the priming bulb (part.1, Fig. 9) 5-6 times until mixture flows out of the respective discharge hose (in order to completely fill all the carburetor chambers).
- set the air lever in the CLOSE position (Fig. 10-11), and pull the starting cord from 1 - 2 times until the engine starts firing. Even if no firing sounds are heard, return the air lever to the OPEN position.
- pull the starting cord once again until the engine starts. If the engine fails to start after the fourth pull, repeat the operations above starting from point 1.

If, despite all these attempts, the engine fails to start, the combustion chamber must be flooded. In this case, unscrew, remove and dry the spark-plug and pull the starting cord several times without the spark-plug in position in order to clean/ventilate the combustion chamber.



IMPORTANT: not all these operations must be performed when the engine is already hot; it is sufficient to merely pull the starting cord with the button in the central position until the engine starts.

4.6 Breaking in the engine

For the first 10 hours of operation, run the engine at moderate rpm, or in any case, refrain from bringing the engine to the maximum rpm until the engine's parts have been broken in. The engine can be run at peak power only after it has been correctly broken in. After the first 2 hours of operation, check the tightening of all the screws and nuts, and tighten if necessary.

5.1 Correct use

- After the engine has started, let it run for 2-3 minutes at the minimum level.
- Wear the backpack on your shoulders.
- Make sure that the weight of the machine is evenly distributed.
- Perform a few accelerations (without reaching the maximum rpm) without doing work to make sure that everything is functioning regularly.
- With the vibrating head stationary in clear sight and constantly under your control, reach the work position by carrying the machine beneath the level of your waist far away from your body, making sure that there are no other people within a 15 meter radius.

5.2 Use of the machine

You are now ready to begin working. Assume a stable and balanced position on both feet.

For an optimum performance pursue the following instructions:

- Couple the branches forming an angle of 90° between the branch and the hook.
- Always couple the branch in the fl exible part. Never where the branch comes out (Fig. 12).
- Don't couple thick, unfl exible branches (the vibrations will propagate on the trunk and not on the fruit-producing crown of the tree). You would have a scarce picking yield and cause machine breakage, besides an unuseful stress to the shaft.
- Once vibrated the branch, displace the coupling. If you still see fruit on the branch don't insist, displace the coupling on another branch.
- Once coupled the branch, don't use the shaft as a lever for bending the branches



ALL THE MACHINE'S SAFETY SYSTEMS AND EQUIPMENT MUST BE MAINTAINED IN OPERATION ALL THROUGHOUT USE.

The olive-shaker transmits vibrations produced by the operation of the single-cylinder explosion engine to the operator that can be rather exhausting after prolonged use. For this reason, we recommend making regular pauses during work. In order to minimise this effect, the machine is provided with a number of expressly studied rubber vibration-dampers. Check to make sure that these vibration dampers are always in place and in good condition, or else have them replaced by a specialised service centre



PERFORM ALL REPAIR AND ASSEMBLY OPERATIONS ONLY WITH THE ENGINE SWITCHED OFF (EXCEPT THOSE REGARDING THE CARBURETOR).

After a few hours of forceful working, we recommend letting the engine turn for a few minutes at minimum level in order to permit it to cool down thanks to the air currents created by the flywheel.

6.1 Carburetor adjustment

The carburetors have safety screws for the maximum and minimum adjustment of and should be calibrated with a special screwdriver (Fig. 13).

The carburetor calibration should be exclusively carried out by an authorized servicing centre.

During the normal operation the carburetion may pass through calibration variations, particularly when changes occur in the working altitude, after many hours of use, due to variations in the surrounding temperature and pressure. To re-adjust the carburetor proceed as follows:

Before starting the engine:

Turn in the minimum screw marked "L" (Part.1, Fig.14) and the maximum screw marked "H" (Part.2, Fig.14) clockwise, gently until they rest on the base without applying excessive force.

From this position unscrew the screw marked "L" by 1,5 turns and the screw marked "H" by 2 turns.

Adjustment of MINIMUM level:

- Start the engine and without accelerating, find the point where the engine is running at its maximum level, screwing or unscrewing the screw marked "L" by approx. 1/8 turn at a time.
- Once the maximum level point has been found, unscrew the same screw marked "L" by ¼ turn (grease). - Use the butterfly valve adjustment screw (Part.3, Fig.14) to bring the engine to a speed of around 2800 rpm. This adjustment allows rotation at the minimum level just beneath the clutch coupling on the clutch drum.



MAKE SURE THE CUTTING DEVICE DOES NOT ROTATE WHEN THE ENGINE IS RUNNING AT MINIMUM.

Adjustment of MAXIMUM level:

Always with the engine on and the head nylon line at the length cut by the guard lamella, bring to complete acceleration and use the maximum level screw marked "H" (Part.2, Fig.14) to find the point where the engine is at the maximum level, screwing and unscrewing of about 1/8 turn at a time.

Once the maximum level point has been found, unscrew the same screw marked "H" by ¼ turn (grease).

Bear in mind that screwing this screw down makes carburation leaner, while unscrewing it makes carburation richer.

In order to obtain a correct adjustment, the operation should be performed with the engine warmed

6.2 Routine maintenance

Description of engine parts (fig. 15-16):

1. Spark-plug cover
2. Cylinder protection
3. Muffler
4. Tank
5. Starting case
6. Tank cap
7. Starting grip
8. Carburetor
9. Air cowling
10. Decompressor

Servicing by operator:

Air filter. The air filter is positioned inside the carburetor's red cowling and serves to withhold the dust in the combustion air sucked in. In order to disassemble the air filter, press the tang positioned beneath the filter cap. Every time the machine is used, the air filter and the cowling must be cleaned using petrol and a brush and then dried. Clogged air filters can cause losses in engine power, increased fuel consumption, and make starting difficult (Fig. 17).

Spark-plug. The spark-plug must be thoroughly cleaned every 25 hours and all carbon deposits must be removed. The gap between the electrodes must be checked and adjusted if necessary to 0.5 mm (Fig. 14). Change the spark-plug if the electrodes are corroded or burnt. We recommend using CHAMPION type spark plugs. A fouled spark-plug makes the combustion of the mixture irregular and can even prevent the starting of the machine. Spark-plug fouling can be caused by incorrect carburetion, an incorrect oil-petrol ratio in the mixture, a clogged air filter, or work conditions with reduced loads.

Screws and nuts. At least once every 25 working hours, check and tighten all the fixing screws and nuts.

Marmitta. Almeno ogni 50 ore smontate la marmitta del cilindro, togliete le incrostazioni dal tubo di scarico della marmitta facendo particolare attenzione a non far entrare le scorie nel cilindro.

Muffler. At least once every 50 working hours, disassemble the muffler from the cylinder, and scrape away the carbon deposits from the muffler's exhaust pipe, making sure that no deposits fall into the cylinder.

Clutch. At least once every 50 working hours, use a brush and petrol to clean the clutch and the case, then dry thoroughly. Centrifugal clutch begins sticking to the case at around 3000 ÷ 3500 rpm. Efficient adhesion of the jaws occurs above 5000 rpm; we recommend working by keeping the accelerator open to the maximum because prolonged use at lower rpm causes the slipping of the clutch and premature wear on the jaws.

Carburetor. Check the maximum and minimum carburetion levels every 50 working hours.

Albero flessibile. If you are using a backpack-type brushcutter, every 15 working hours grease the flexible shaft positioned inside the sheath.

Head greasing. Grease the gears and the inner mechanism at the head at least once a day. Grease should be introduced through the special greaser placed on the head body. During this operation also check the clearance of the steel slider.

Hook rubber replacement. The hook has been realized so as to be able to replace the rubber without keys using. For the replacement proceed as follows:

- Remove the worn rubber from its seating.
- Levering the two ends of the rubber piece, bend it at semicircle.
- Introduce the so bended rubber into the hook seating, making sure it has entered exerting a fingers pressure on the rubber.



DON'T USE THE RUBBER UP TO THE ALLUMINIUM EDGE, AS THIS MAY CAUSE THE HOOK BREAKING AND THE BRANCHES DAMAGE, FOR THE FINISHED DAMPING EFFECT OF THE RUBBER.

6.3 Trouble-shooting

Whenever **UNUSUAL VIBRATIONS OR NOISES** are noticed, immediately stop the engine and look for the cause.

Whenever **STARTING IS DIFFICULT** (the starting cord is hard to pull), check the following:

- defective or jammed bearings
- the piston and the cylinder might be seized
- there may be interference or contact between the drive shaft and the case
- the starting spring may be broken or the starting cord may be jammed.

In case of **FAILED IGNITION** or **CHUGGING**, check the following:

- the electric system (the coil might not be providing current, the spark-plug might be fouled, the electrode might be broken, or the distance between electrodes might be excessive).
- the ground button cable might be detached or broken.
- the spark-plug lug might be detached or grounded.

Whenever **POWER LOSS** or **SUDDEN STOPPING** occurs in the engine, check the following:

- if there is sufficient fuel
- if the mixture reaches the carburetor (if no mixture can be seen passing through the petrol hose)
- if the mixture filter in the tank is clogged
- if the petrol hose is clogged or crushed or detached
- if the carburetor level is incorrectly set or has defects inside (e.g. broken diaphragms), in which case the mixture does not reach the cylinder
- that there is no water present in the mixture, in which case the entire fuel supply system must be cleaned
- if the tank cap breather vent is clogged
- if the carburetor's maximum jet is choked
- if the air filter is dirty or clogged
- if the ignition advance is set correctly
- if there are carbon deposits in the cylinder exhaust pipe or the muffler.

6.4 Cleaning and transport of the machine after use

After finishing work, clean the machine and the vibrating head from any dirt or grass. Be careful to avoid damaging the tank by impact or cutting, and position it carefully on the ground to prevent falling that might cause damage.

6.5 Periods of inactivity

- Whenever the brushcutter is not used for a long period of time, adopt the following precautions:
- drain all mixture from the tank
- remove the spark-plug, inject a few drops of oil for mixture in the cylinder, and then pull the starting cord 2-3 times to distribute the oil evenly and then replace the spark plug
- protect the engine and all unpainted metal parts from corrosion by providing them with a light coat of oil
- store the machine in a dry place far from dust and accidental discovery by children
- we recommend starting the engine for a few minutes every 60 days of inactivity.

6.6 Elimination and disposal.

Follow the regulations in force in the country of use.

LIMITED WARRANTY BLUE-BIRD INDUSTRIES – ZANÈ FOR OLIVE SHAKER

1. Our company guarantees the correct working of all agricultural and industrial machines of our production for a period of 24 months (12 months for professional use) from the time of purchase. The applicable warranty period for the product is calculated from the date of the sales receipt and / or invoice.
2. This guarantee is expressed in the action of free replacement of mechanical and electrical components, which should become unusable due to manufacturing or material defect, as determined by our Company.
3. The technical staff will intervene as soon as possible, within a time compatible with organizational requirements, to properly restore the product.
4. The warranty is limited to the pure and simple replacement of defective parts and/or repair of faults after they have reached us within a period of two months from the date on which the defect was discovered.
5. With the exception of original defects, all tools and parts whose wear is due to normal use are excluded from warranty. These, for example, are: cutting discs, cutter sections, circular saws, knives, cutters, chainsaw chains, chainsaw bars, spark plugs etc.
6. All the components we recognize faulty and replaced free of charge under warranty, will be retained by us.
7. Any replacements of components, even if recognized faulty, will not, under any circumstances, be reason or pretext to prolong or suspend the payment terms previously agreed.
8. During the warranty period, the machinery subject to the foregoing warranty, shall not be sold permanently in use, sold and exported, under penalty of forfeiture of the guarantee.
9. Our Company disclaims any liability for damage caused to people or things as a result of the improper use of the machines we build, even if any such damage should be caused by machines still covered by warranty.
10. The warranty does not cover the standard setting and maintenance work required during the guarantee period.
11. The warranty does not cover work to update and improve the product.
12. The warranty is not valid in the following cases:
 - clear absence maintenance;
 - incorrect product use or tampering;
 - use of unsuitable lubricants or fuels;
 - use of replacement parts or accessories which are not original;
 - interventions by unauthorized personnel.
13. Other brands of engines (Kawasaki, Honda, Briggs & Stratton, etc.) fitted to our machines are covered by the warranties of the engine manufacturer.

BLUE BIRD INDUSTRIES

N.B. Always carefully follow the instructions concerning the use and maintenance of each machine, paying particular attention to the “running in” period.

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
BLUE BIRD INDUSTRIES Fabbrica Motori srl
Via Due Camini 19, 36010 Zané(VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIE – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
SCUOTIOLIVE – OLIVE SHAKER

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:
BLUE BIRD

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / Πληκτρολογήστε / TYP:
OS 610 TV – TJ53Z TV

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato V – Sound Power Levels performed per annex V		
TIPO TYPE	Livello di potenza sonora misurato/Livello di potenza sonora garantito Measured Sound Power Level/Guaranteed Sound Power Level LWA (dB)	Potenza netta installata Net Power Installed (kW)
OS 610 TV	95/114	2.60
TJ53Z TV	92/112	2.00

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU – 2016/1628/EU

d) SERIAL NUMBER / SERIENNUMMBER / NUMERO DE SERIE / NUMERO DE SERIE / NUMERO DI SERIE / SERIENUMMER / SERIENUMMER / NUMERO DE SERIE / SARJANUMERO / SERIENUMMER / SERIE NUMMER / ΑΡΙΘΜΟΣ ΠΑΑΙΣΙΟΥ / NUMER SERYJNY:
AA24AA000000001 – ZZ99ZZ999999999

e) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN ISO 12100:2010 EN ISO 22867:2011



BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.
ZANÉ (VI) – ITALIA 26-04-2016
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – O Πρόεδρος - Prezes

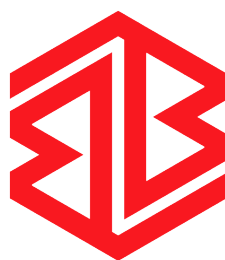
VANDA VITELLA 

(GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tillhandhallen av
(FI) Teknisten asiakirjojen ylläpitäjä
av (NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch
(E) Documentacion tecnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentação tecnica mantida por
(SE) Teknisk dokumentation tillhandhallen
(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA 



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