



**BLUEBIRD
INDUSTRIES**

BLOWER BBL 801



READ THIS MANUAL CAREFULLY BEFORE USE

INTRODUCTION

The Back-Pack Blower was designed and manufactured to provide long life and on-the-job-dependability. Read and understand this manual. You will find it easy to use and full of helpful operating tips and SAFETY messages.

THE OPERATOR'S MANUAL

Contains specifications and information for operation, starting, stopping, maintenance, storage and assembly specific to this product.

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Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.

SAFETY DECALS

Locate these safety decals on your unit. The complete unit illustration, found in the “DESCRIPTION” section, will help you locate them. Make sure the decals are legible and that you understand and follow the instructions on them. If a decal cannot be read, a new one can be ordered from your dealer. See PARTS ORDERING instructions for specific information.

GENERAL WARNING DECAL

located on top of blower housing

hot decals(near muffler)



Symbol Form/shape					
Symbol description/application	Read and understand Operator's Manual	Wear eyes protection	Wear ears protection	Keep bystanders away	Hot Surface

SAFETY INSTRUCTIONS

PERSONAL CONDITION AND SAFETY EQUIPMENT

WARNING DANGER

Power Blower users risk injury to themselves and others if the power blower is used improperly and or safety precautions are not followed. Proper clothing and safety gear must be worn when operating a blower.

physical condition--

Your judgment and physical dexterity may not be good;
if you are tired or sick,
if you are taking medication,
if you have taken alcohol or drugs.
Operate unit only if you are physically and mentally well.

Eye Protection--

Wear eye protection that meets ANSI Z87.1 or CE requirements whenever you operate the machine.

Hand Protection--

Wear no-slip, heavy duty work glove to grip on the blower handle. Gloves also reduce the transmission of machine vibration to your hands.

Breathing Protection--

Wear a face mask to protect against dust.

Hearing Protection--

We recommend wearing hearing protection whenever unit is used.

Proper Clothing--

Wear coat guarding against poisons, durable clothing; Pants should have long legs, shirts with long sleeves. DO NOT WEAR SHORTS. DO NOT WEAR TIES, SCARVES, JEWELRY.

Wear sturdy work shoes with nonskid soles; DO NOT OPERATE UNIT BARE FOOTED. Keep long hair away from engine and blower intake. Retain hair with cap or net.

EQUIPMENT

Before operation a complete check of the unit must be performed: Check unit for loose/missing nuts, bolts and screws. Tighten and/or replace as needed. Inspect fuel lines, tank and area around carburetor for fuel leaks. DO NOT operate unit if leaks are found. Keep exhaust area clear of flammable debris. Avoid contact during and immediately after operation.



SAFE OPERATION

Determine Operation Area--

Review area to be cleared. Look for potential hazards such as stones or metal objects, the machine is only intended for blowing leaves, snow, dirt on the road, etc. Spectators and fellow workers must be warned, and children and animals prevented from coming nearer than 15m while the blower is in use.

Take wind conditions into account: avoid operating near open doors and windows.

Warning of the danger of rotating parts, take care of your hands.

The machine is not suitable use for children.

Use rakes and brooms to loosen debris before blowing.

Slightly dampen surfaces in dusty conditions.

Provide all operators of this equipment with the Operator's Manual and instructions for safe operation.

Do not point the blowy pipe at people or animals.

Start unit on ground with throttle at idle. Check that blower pipe is not blocked by the ground or by any objects.

Warning: if accident or breakdown occurs, stop the machine immediately and inspect the machine, if necessary find your dealer. Do not operate the machine so long time, Do have a rest after working an hour or finishing the fuel in the fuel tank.

WARNING



DANGER

Do not operate this product indoors or in inadequately ventilated areas. Engine exhaust contains poisonous emissions and can cause serious injury or death.

Keep A Firm Grip

Hold handle with fingers together encircling the handle.

Keep A Solid Stance

Maintain footing and balance at all times. Do not stand on slippery, uneven or unstable surfaces. Do not work in odd positions or on ladders.

Do not perform Maintenance or Assembly procedures with engine running.

Noise Control

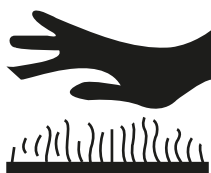
Follow local noise regulations on sound levels and hours of operations. Use only during appropriate hours, not early in the morning and late in the night.

Never use a higher speed setting than necessary to perform a task. The higher the engine speed the louder the blower noise. Be a good neighbor.

Avoid Hot Surfaces

During operation, the muffler or catalytic muffler and surrounding cover may become extremely hot. Avoid contact during and immediately after operation.

Always keep exhaust area clear of flammable debris. Allow the engine and muffler to completely cool before performing any maintenance activity.



Assembly Specifications

MODEL	BBL 801
Type	Backpack
Engine type	Air-cooled 2-stroke petrol engine
Displacement (cc)	75.6
Max power (kW)	3.1
Fuel tank capacity (L)	2.3
Air volume (m³/h)	1740
Air speed (m/s)	90
Net weight (kg) (without blower tube)	11

Install Blower Pipes /Stick Handle

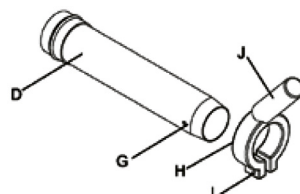
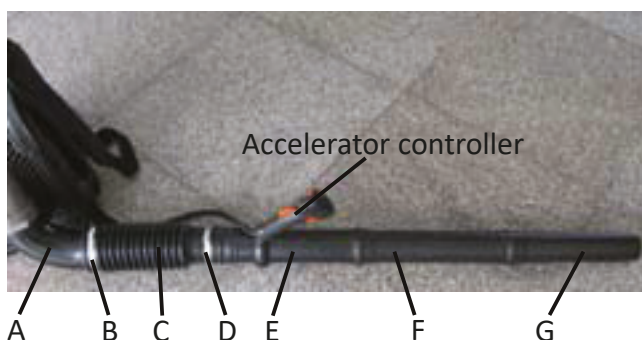
WARNING



DANGER

Never perform maintenance or assembly procedures with engine running or serious personal injury may result.

1. Assemble straight pipe with swivel (D) flexible pipe(C).
2. Assemble flexible pipe(C)to elbow(A)on blower.
3. Assemble clamps(B)onto both ends of flexible pipe(C)and tighten.
4. Loosen wing nut(I)completely and expand open, stick handle clamp(J).
5. Align notches(H)in handle clamp with. pipe pegs(G)stick handle should be angled away from operator.
6. Slide stick handle onto pipe with swivel(D).
7. Position stick handle for comfortable operation and tighten wing nut(I).
8. Assemble straight pipe(E)to pipe with swivel(D),turning straight pipe counter-clockwise to lock in place.
9. Assemble straight pipe(F)to straight pipe(E)turning.
10. The way of installing is shown as diagram below. The accelerator controller is putted in spraying a tube



PRE-OPERATION

FUEL

Fuel Requirements

Use only fresh ,clean fuel Mix all fuels with premium 2-cycle engine oil at a gasoline/oil ratio of 30:1

Mixing Instructions

- 1.Fill an approved fuel container with half of the required amount of gasoline.
- 2.Add 2-stroke oil to gasoline.
- 3.Close container and shake to mix oil with gasoline.
- 4.Add remaining gasoline and remix.
- 5.Install fuel container cap and wipe any spilled fuel from container and surrounding area.

Handling Fuel

WARNING



DANGER

Fuel is very flammable. Use extreme care when mixing, storing or handling or serious personal injury may result.

Use an approved fuel container.

DO NOT smoke near fuel.

DO NOT allow flames or sparks near fuel.

Fuel tanks/cans may be under pressure. Always loosen fuel caps slowly allowing pressure to equalize.

NEVER refuel a unit when the engine is HOT.

NEVER refuel a unit with the engine running.

DO NOT fill fuel tanks indoors. ALWAYS fill fuel tanks outdoors over bare ground.

Securely tighten fuel cap after refueling.

Inspect for fuel leakage. If fuel leakage is found, do not start or operate unit until leakage is repaired.

STARTING THE MACHINE

IMPORTANT

Spilled fuel is a leading cause of hydrocarbon emissions. Some states may require the use of automatic fuel shut-off containers to reduce fuel spillage. Contact your dealer for ordering information.

IMPORTANT

Stored fuel ages. Do not mix more fuel than you expect to use in thirty days, ninety days when a fuel stabilizer is added. Stored two-stroke fuel may separate. ALWAYS shake fuel container thoroughly before each use.

After Refueling-

Wipe any spilled fuel from the unit.

Move at least 3m from refueling location before starting.

After use-

DO NOT store a unit with fuel in its tank.

Leaks can occur.

Return unused fuel to an approved fuel storage container.

Storage-

Fuel storage laws vary by locality. Contact your local government for the laws affecting your area. As a precaution, store fuel in an approved, air tight container.

Store in a well ventilated, unoccupied building, away from sparks and flames. Do not store fuel longer than 30 days.

OPERATION

Recoil starter: Use short pulls-only 1/2-2/3 of rope length for starting.

Don't allow the rope to snap back in. Always hold the unit firmly.

STARTING COLD ENGINE

1. Close Choke-Cold Start. Move choke (B) up to "Cold Start" position.

2. Primer Bulb-Prime. Pump primer bulb (C) until fuel is visible and flows freely in the clear fuel tank return line. Pump bulb an additional 4 or 5 times.

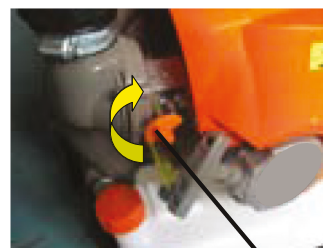
3. Move throttle lever (A) to START/IDLE DETENT position. And move the stop switch to "START" position. Then push choke lever upwards (B) (excessive cranking with choke lever will cause flooding engine making it difficult to start.)

4. Press and release the Primer bulb until it is filled with fuel (C). Pull recoil starter handle (D) until engine fires (5 or 6 pulls)

5. Move choke (E) to run position and if necessary, restart engine.



Make sure the button is locked



B

STARTING WARM ENGINE

1. Move throttle lever (A) to idle detent position. And move the stop switch to "START" position. Then push throttle level inwards (excessive cranking with choke lever will cause flooding engine making it difficult to start.)

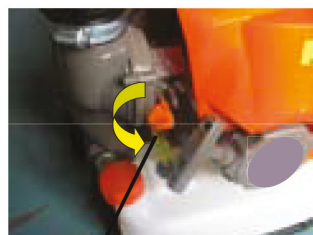
2. Pull recoil starter handle and engine should start. Do not use choke (B)



C



D



E



stop switch

safety lever

throttle lever

NOTE

If engine does not start after 5 pulls, use cold start procedures.

NOTE

Allow engine to warm up before use.

STOPPING ENGINE

1. Move the throttle lever to the idling position and press the stop switch until the engine comes to a complete stop.

OPERATING BLOWER

WARNING



DANGER

Always wear safety glasses, hearing protection, a face filter mask and take all safety precautions or serious personal injury may result. Do not point the blower pipe in the direction of people or pets.

Read the Safety Section on pages 4 and 6 carefully.

IMPORTANT

To avoid engine damage due to over revving, do not block blower pipe opening.

1. Use only during appropriate hours.
2. Allow the engine to warm up at a fast idle for a few minutes.
3. Set engine speed with throttle lever (A).
4. Use lower speed to blow dry leaves from walks, patios and drives.
5. Additional speed may be necessary to clean grass and leaves from a lawn or flower bed.
6. Higher speed may be necessary to move gravel, dirt, snow, bottles or cans from a driveway, street, parking lot or stadium.

NOTE

Never use a higher speed setting than necessary to perform a task. Remember, the higher the engine speed, the louder the blower noise. Minimize dust by using blower at lower speeds and by dampening material with water/mist when necessary. Keep debris on your property. Be Smart-be a good neighbor.

MAINTENANCE

Your blower is designed to provide many hours of trouble free service. Regular scheduled maintenance will help your blower achieve that goal. If you are unsure or are not equipped with the necessary tools, you may want to take your unit to an Service Dealer for maintenance. To help you decide whether you want to DO-IT-YOURSELF or have the Dealer do it, each maintenance task has been graded. If task is not listed, see your Dealer for repairs.

SKILL LEVEL

Level1=Easy to do. Most required tools come with unit.

Level2=Moderate difficulty. Some specialized tools may be required.

Level3=Experience required. Specialized tools are required. We recommend the unit be returned to your Dealer for servicing.

MAINTENANCE INTERVALS

I=Inspect, C=Clean, R=Replace

Component/System	Maintenance Procedure	Before Use	Daily Every 4 Hours	3 Month or 90 hours	6 Month or 270 hours	
Air Filter	Inspect/Replace	I/C	I/C		R"	
Fuel Strainer	Inspect/Replace			I		R
Fuel line	Inspect/Replace					R"
Carburetor	Inspect/Replace				I (1)	R (1)
Choke System	Inspect/Replace					
Cooling System	Inspect/Clean	I/C	I/C			
Cylinder Exhaust Port	Inspect/Clean/Decarbon			I/C		
Muffler Spark Arrestor	Inspect/Clean/ Decarbon			I"		R"
Recoil Rope	Inspect/Clean	I				I"
Fuel leaks	Inspect/Clean	I			R	I
Spark Plug	Inspect/Clean			I/C"		
Ignition System	Inspect/Clean	No Maintenance required for coil and flywheel				

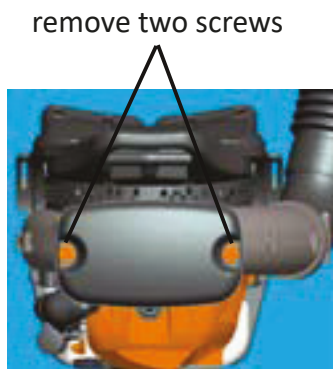
IMPORTANT

Time intervals shown are maximum. Actual use and your experience will determine the frequency of required maintenance. All recommendations to replace are based on finding damaged or wear during inspection. (1)Replacement will be required for Commercial use after 600 hours. For Consumer use, cleaning every 6 months is required.

Cleaning includes rebuild kits.

AIR FILTER

1. Close choke(Cold Start Position).This prevents dirt from entering the carburetor throat when the air filter is removed. Brush accumulated dirt from the air cleaner area.
2. Remove the air cleaner cover. Clean and inspect the element for damage If element is fuel soaked and very dirty, replace.
3. If element can be cleaned and reused, be certain it:
 - still fits the cavity in the air cleaner cover.
 - is installed with the original side out.



remove two screws



foam filter



filter bracket



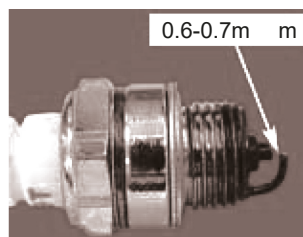
paper filter

SPARK PLUG

Remove spark plug, and check for fouling, worn and rounded center electrode. Clean the plug or replace with a new one. DO NOT sand blast to clean. Remaining sand will damage engine.

Adjust spark plug gap by bending outer electrode.

Tighten spark plug to (145-155) kg/cm.



TROUBLESHOOTING

WARNING  DANGER

Fuel vapors are extremely flammable and/or explosion. Never test for ignition spark near an open spark plug opening, otherwise serious personal injury may result.

Problem			Cause	Remedy
Engine-starts hard Engine-does not start				
Engine Cranks	Fuel at	No fuel at	Fuel strainer clogged Fuel line clogged Car- buretor	Clean Clean See your dealer
	Fuel at cylinder	No fuel at cylinder	See your dealer	
		Muffler wet with fuel	Fuel Mixture is too rich	Open choke Clean/replace air filter Adjust carburetor See your dealer
	Spark at end of plug wire	No spark at end of plug wire	Stop switch off Electri- cal problem Interlock switch	Turn switch on See your dealer See your dealer

	Spark at plug	No spark at plug	Spark gap incorrect Covered with carbon Fouled with fuel Spark plug defective	Adjust 0.65mm Clean or replace Clean or replace Replace plug
Engine does not crank	Engine does not crank		Internal engine problem	See your dealer
Engine runs	Dies or accelerates poorly		Air filter dirty Fuel filter dirty Fuel vent plugged Spark plug Carburetor Cooling system plugged Exhaust port/spark arrestor screen plugged	Clean or replace Replace Replace Clean and adjust/replace Adjust Clean Clean
Engine Runs properl	Blower does not work, is weak or uneven		Blower Pipe clogged, loose or damaged	Unclog Tighten Replace

STORAGE

WARNING  DANGER

During operation the muffler or catalytic muffler and surrounding cover become hot. Always keep exhaust area clear of flammable debris during transportation or when storing, otherwise serious property damage or personal injury may result.

Long Term Storage (Over 30 Days)

Do not store your unit for a prolonged period of time (30 days or longer) without performing protective storage maintenance which includes the following:

1. Store unit in a dry, dust free place, out of the reach of children.
2. Remove accumulation of grease, oil, dirt and debris from exterior of unit.

WARNING  DANGER

Do not store in enclosure where fuel fumes may accumulate or reach an open flame or spark.

3. Perform all periodic lubrication and services that are required.
4. Tighten all screws and nuts.
5. Drain the fuel tank completely and pull the recoil starter handle several times to remove fuel from the carburetor.
6. Remove the spark plug and pour 7cc (1/4oz, 1/2tablespoon) of fresh, clean 2-stroke engine oil into the cylinder through the spark plug hole.
 - A. Place a clean cloth over the spark plug hole.
 - B. Pull the recoil starter handle 2-3 times to distribute the oil inside the machine.
 - C. Observe the piston location through the spark plug hole. Pull the recoil handle slowly until the piston reaches the top of its travel and leave it there.
7. Install the spark plug (do not connect ignition cable).
8. Remove blowy pipe assembly from unit.

TRANSPORTING

- Allow the engine to cool before transporting.
- Secure the unit while transporting.
- Tighten the fuel cap before transporting.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
Blue Bird Industries Fabbrica Motori s.r.l.
Via Due Camini 19, 36010 Zanè (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 MASKINERIET – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
SOFFIATORE - BLOWER

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 / ΤΥΠΟΣ / TYP:

BBL 801

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato V – Sound Power Levels performed per annex V	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
<i>BBL 801</i>	109 / 112

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

d) 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 ΣΤΑ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN 15503:2009+A2:2015 EN ISO 12100:2010 EN ISO 14982:2009

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ZANE' (VI) – ITALIA 23-01-2026
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VANDA VITELLA

- (GB) Technical documentation maintained by

(F) Documentation technique maintenue par

(I) Documentazione tecnica conservata da

(DK) Teknisk dokumentation tilhandhallen av

(FI) Teknisten asiakirjojen ylläpitäjä

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VANDA VITELLA



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