



Backpack Blower

User Manual



RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE



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Preface

Thanks for purchasing the Backpack Blower, another high quality machine from our company.

To get the most out of your purchase, please read the manual before using the backpack blower.

We ask you to please read this manual carefully beforehand in order to familiarise yourself with this product and after reading, please store this instructional manual for future reference. Failure to follow the proper protocols listed in the manual may cause personal injury to the operator or damage to equipment.



Safety Information

Read the user manual thoroughly before operating your unit.

- Wear close fitting, tough work clothing that will provide protection such as long slacks or trousers, safety work shoes, heavy duty work gloves, hard hat, a safety face shield and safety glasses for eye protection and a good grade or ear plugs or other sounding barriers for hearing protection.
- Refuel in a safe place.
- Open the fuel cap slowly to release any pressure which may have formed in the fuel tank.
- Always wipe fuel or oil spills before starting.
- To prevent a fire hazard, move it at least 10 feet (3 metres) from the fuelling area before starting.
- Turn the blower off and also before installing or removing attachments.
- Keep all screws and fasteners tight and the blower in good operating condition. Never operate this blower if it is improperly adjusted or not completely and securely assembled.
- Keep the handles dry, clean and free of debris build-up.
- Operation of equipment should always be restricted to mature and properly instructed individuals.
- All people with respiratory problems and people operating the blower in very dusty environments should wear a dust particle mask at all times. Paper dust masks are available at most paint and hardware stores.
- Operate the blower only at reasonable hours, not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances.
- Operate the blower at the lowest possible engine speed to do the job.
- Use rakes and brooms to loosen debris before blowing.
- In dusty conditions, slightly dampen surfaces.
- Use the full blower nozzle extension so that the air stream can work closer to the ground.
- Watch out for children, pets and open windows before you blow debris away. Never point it in their direction.
- Do not use any other fuel other than that recommended in your manual. Always follow instructions in the fuel and lubrication section of this manual. Never use gasoline unless it is properly mixed with 2-cycle engine lubricant. Permanent damage to the engine will result, voiding the manufacturer's warranty.



- Do not smoke while refuelling or operating the blower.
- Do not operate the blower without a muffler and properly installed muffler shield.
- Do not touch or let your hands or body come into contact with a hot muffler or spark plug wire.
- Due to the danger of exhaust fumes, never operate the blower in a confined or poorly ventilated area.



Backpack Blower

- Do not operate the blower without an inlet cover installed.
- Do not set a hot engine down where flammable material is present.
- Do not operate the blower for prolonged periods. Rest it periodically.
- Do not add, remove or alter any components of this product. Doing so could cause personal and/or damage the unit voiding the manufacturer's warranty
- Do not operate the blower while under the influence of alcohol or drugs.
- Do not operate your blower near or around flammable liquids whether in or outdoors. An explosion and/or fire could result.



Assembly

Attaching the Flex Tube

1. Put the hose clamp (C) on the flex tube before connecting the flex tube and the fan's outlet tube together.
2. Connect the flex tube (B) to the fan's outlet tube (A) (Fig. 1) with a hose clamp (C) (Fig. 2) and tighten securely (Fig. 2).

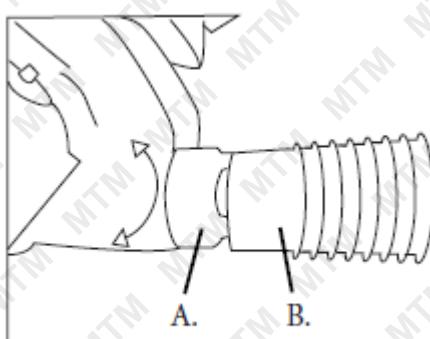


Fig.1

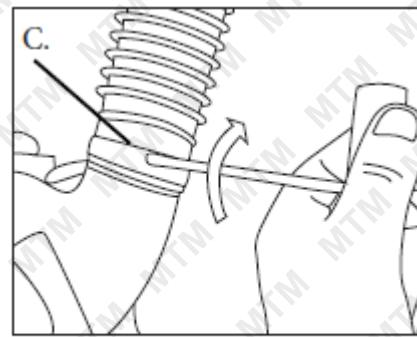


Fig.2

Attaching the Operating Tube

Keep the throttle cable as straight as possible when connecting the blower tubes.

1. Place the unit on a flat surface during assembly. Ensure the screw mechanism of the clamp is positioned away from the operator.
2. Put the hose clamp (G) on the flex tube and the operating tube together.
3. Turn the rotary ring mark (D) so it aligns with the throttle handle (F).
4. Insert the operating tube (E) into the tube (B) (Fig. 3) and then tighten securely with a hose clamp (G) (Fig. 4).
5. Attach the throttle linkage clips to both ends of the flex tube to secure the throttle cable (Fig. 5 and Fig. 6).

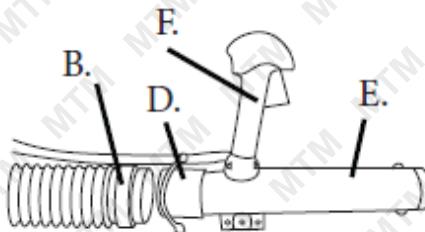


Fig.3

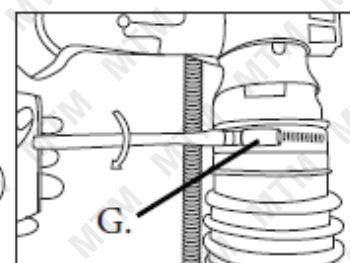


Fig.4

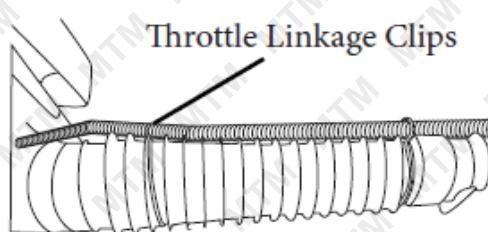


Fig.5

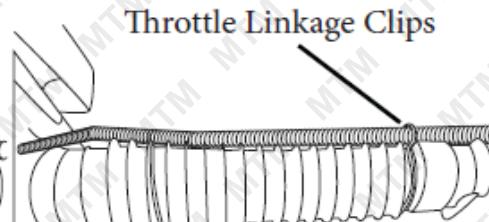


Fig.6

Attaching the Intermediate Tube and Concentrator Nozzle

1. Connect the intermediate tube (H) and air nozzle (I).
2. Push the tubes together and turn them clockwise so that they lock together (Fig. 7).

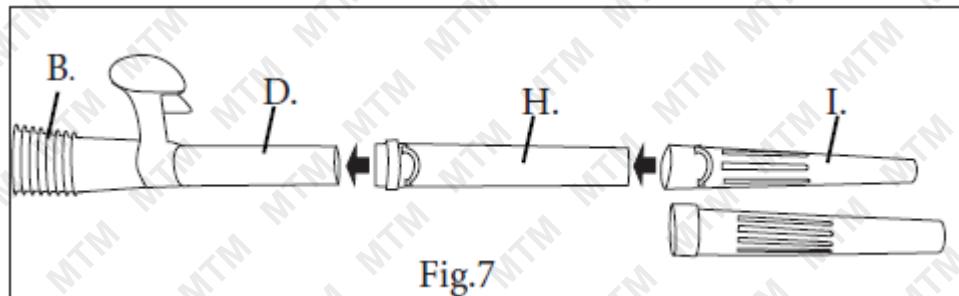


Fig.7

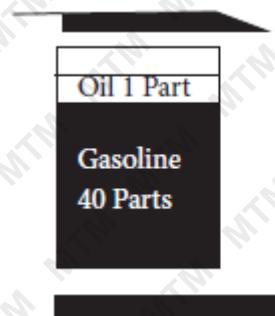
Adjusting the Backpack Harness and Control Handle

1. Place the blower on your back by slipping arms through the shoulder straps as if you were putting on a jacket.
2. Once adjustments have been made to the straps for user comfort, remove the blower from your back and place on a level ground in an upright position.
3. Adjust the backpack harness and control handle.



Fuel and Lubrication

Use regular grade unleaded gasoline mixed with 40:1 custom 2-cycle engine oil for best results.



Never use straight gasoline in your unit. This will cause permanent engine damage and void the manufacturer's warranty. Never store a fuel mixture that has been stored for over 90 days.



Use a premium grade oil for 2 cycle air cooled engines mixed at a 40:1 ratio. Do not use any 2-cycle oil product with a recommended mixing ratio of 100:1. If insufficient lubrication is the cause of engine damage, it will void the manufacturer's warranty.

Mixing Fuel

Add oil to an approved fuel container followed by the gasoline to allow the incoming gasoline to mix with oil.

Shake the container to ensure a thorough mix.

Gasoline	40:1	
1 U.S Gallon	3.2 oz.	95 ml ³
5 Litres	4.3 oz.	125 ml ³
1 Imp. Gal	4.3 oz.	125 ml ³
Mixing Ratio	40 parts gasoline to 1 part lubricant	

Recommended Fuels

Some conventional gasolines are being blended on oxygenates such as alcohol or an ether compound to meet clean air standards. The engine is designed to operate satisfactorily on any gasoline for automotive use including oxygenated gasolines.



Operating Instructions

Starting a Cold Engine

1. Make sure that the ignition switch (A) is in the on (I) position (Fig. 9).
2. Pump the primer bulb 10x by pressing up on the bulb (D) (Fig. 10).
3. Your blower is designed with a 3 position choke:

- |•| FULL CHOKE
- |•| PARTIAL CHOKE
- |•| RUN

Move the choke lever to FULL CHOKE position (Fig. 11).

4. With the unit on the ground, hold the top assist handle and step on the bottom frame with your foot.
5. Pull the starter rope 4 – 6 times if unit does not start, move the choke lever to position 2 and pull 4 – 6 more times. Wait 10 seconds after the unit starts then move the choke lever to position 3.
6. Push the lock-out (C) button and press the throttle trigger (B) to run.

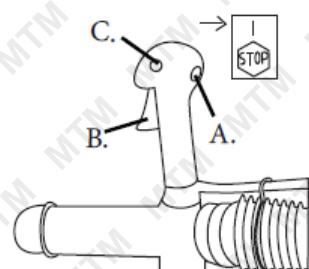


Fig.9

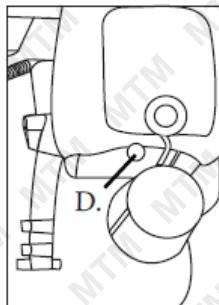


Fig.10

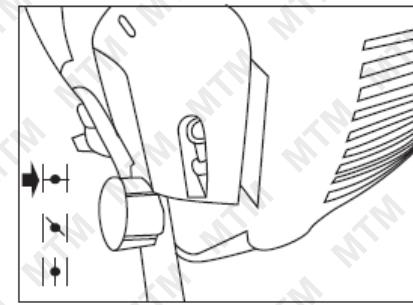


Fig.11

If the engine fails to start after repeated attempts, refer to the [Troubleshooting](#) section.

Always pull the starter rope straight out. Pulling the starter at an angle will cause rope to rub against the eyelet. This friction will cause the rope to fray and wear more quickly.

Always hold the starter handle when the rope retracts. Never let a rope snap back from an extended position. This could cause the rope to snag or fray and also damage the starter assembly.

Starting a Warm Engine

(Engine has been stopped for no more than 15-20 minutes)

Set the throttle latch (see step 2 for starting a cold engine), pull the starter rope briskly. If the engine does not start or stops and starts. Follow the procedure from [Starting a Cold Engine](#).

Important Idling Information

In some cases due to operating conditions (altitude, temperature etc.) your blower may need a slight adjustment to the idle speed. After warm up, if your unit does not idle after restarting two times, follow these steps to adjust idling.

1. Locate the idle adjustment screw (G) on the carburetor (Fig. 15).
2. Use a Phillips or slotted-screwdriver-turn screw 1/4 to 1/2 turn clockwise to the right. The blower should then idle properly

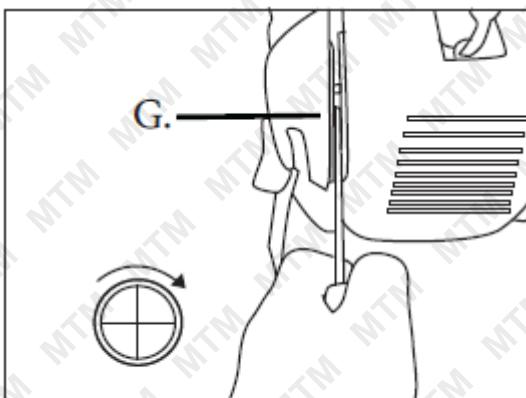
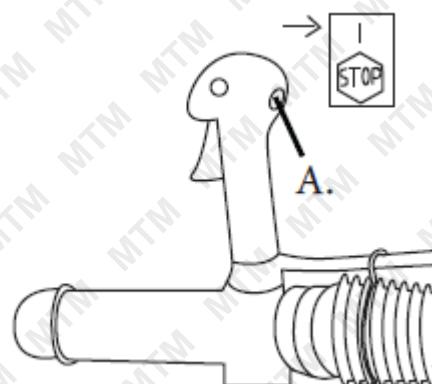


Fig.15

Fig.16



Stopping the Engine

Emergency Stopping Procedure

When it is necessary to stop the blower engine immediately, press the stop switch.

Normal Stopping Method

For normal stopping, release the trigger and allow the engine to return to idling speed. Then press the stop switch.



Blower Operations

- Use the blower for trees, shrubs, flower beds and hard to clean areas.
- Use the blower around buildings and for other normal cleaning procedures.
- Use the blower around walls, overhangs, fences and screens.
- **Because of flying debris, always wear a face shield when operating the blower**
- **Allow a minimum of 50 feet (15 metres) between the operator and other people or animals.**
- Stand away from the debris at a distance that will easily allow you to control the direction of blown debris. Never blow debris in the direction of bystanders.
- To control velocity of the air stream, the blower can be operated at any speed between idle and full throttle. Experience with the unit will help you determine the amount of airflow necessary for each application.
- To reduce sound levels, limit the number of pieces of equipment used at any one time.
- Check your equipment before operation, especially the muffler, air intakes and air filters.
- Use rakes and brooms to loosen debris before blowing. In dusty conditions, slightly dampen surfaces when water is available.
- After using blowers and other equipment. Dispose of debris in trash receptacles.



Maintenance

Air Filter

Never operate the blower without the air filter or dust and dirt will be sucked into the engine and damage it. The air filter must be kept clean. If it becomes damaged, install a new filter.

Cleaning the Air Filter

1. Loosen the knob (A) holding the air filter cover in place, remove the cover (B) and lift the filter (C) from the air box (Fig. 20 and Fig. 21).
2. Wash the filter in soap and water. Do not use gasoline.
3. Air dry the filter.
4. Reinstall the air filter and air filter cover.



Replace the filter if it is frayed, torn, damaged or unable to be cleaned.

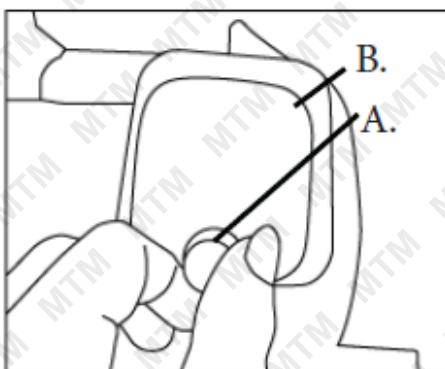


Fig.20

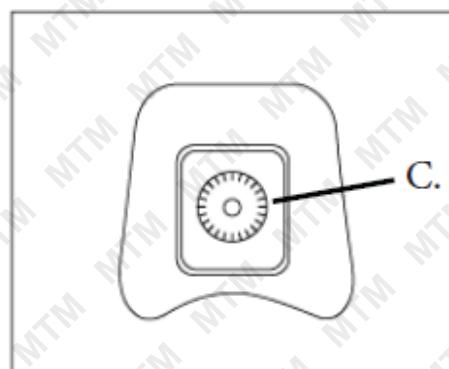


Fig.21

Fuel Cap / Fuel Filter

Remove fuel from the blower and store it in an approved container before starting this procedure. Open the fuel cap to slowly release any pressure which may have formed in the fuel tank.



Keep the vent (A) on the fuel cap clean of debris (Fig. 22).

1. Remove the fuel cap from the fuel tank (B) to be able to remove the fuel filter (C) from the tank. Use a piece of wire with a hook (C) to pull the filter out of the tank.
2. Pull off the fuel filter (C) with a twisting motion.
3. Replace the fuel filter (Fig. 24).



Never operate the blower without the fuel filter. Internal damage could result.

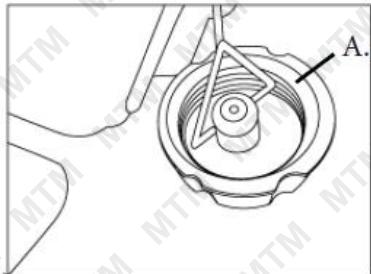


Fig.22

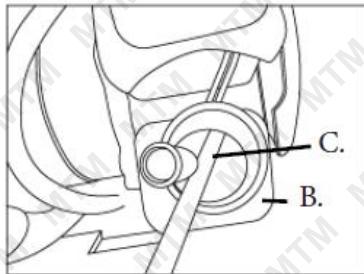


Fig.23

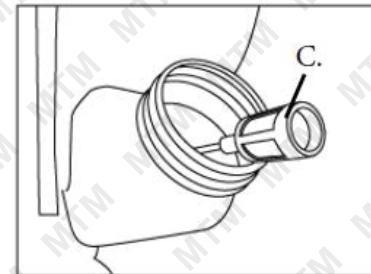


Fig.24

Carburettor Adjustment

The carburettor was pre-set at the factory for optimum performance. If further adjustments are necessary, take your blower to a qualified service dealer.

Spark Plug

1. To remove spark plug (B) (Fig. 25) for cleaning or replacement, make sure the engine is off and the spark plug is cool.
2. Grasp the spark plug boot firmly and remove from the spark plug.
3. Remove the spark plug with the correct spark plug tool. Inspect, clean or replace as needed.
4. Spark plug gap = .025 in (.635mm) (Fig. 25).
5. Torque to 105 to 130 inch pounds (12 to 15 Nm). Connect spark plug boot.

0.25" (0.635mm)

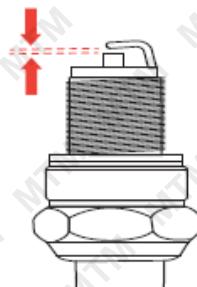


Fig.25



Storage

Failure to follow these steps may cause varnish to form in the carburettor. If this happens then the carburettor will have difficulty starting.

1. Perform all the general maintenance recommended in the [Maintenance](#) section of your user manual.
Clean the outside surface of the blower.
2. Drain fuel from the fuel tank.
3. After the fuel is drained, start the engine.
4. Run the engine in idle mode until the blower stops. This will purge the carburettor of fuel.
5. Allow the engine to cool for approximately five minutes.
6. Using a spark plug wrench, remove the spark plug.
7. Pour one teaspoon of clean 2-cycle oil into the combustion chamber. Pull the starter rope slowly several times to coat internal components. Replace the spark plug.
8. Store the blower in a cool, dry place away from any source of ignition such as an oil burner, water heater etc.

Removing a Unit from Storage

1. Remove the spark plug.
2. Pull the starter rope briskly to clear excess oil from the combustion chamber.
3. Clean and gap the spark plug or install a new spark plug with a proper gap (Fig. 24).
4. Prepare the unit for operation.
5. Fill the fuel tank with proper fuel/oil mixture.



Troubleshooting

Problem	Probable Cause	Corrective Action
Unit won't start or starts but won't run	Incorrect starting procedures	Follow instructions in the user manual
	Incorrect carburettor mixture	Have carburettor adjusted by an authorised service centre
	Fouled spark plug	Clean/gap or replace plug
	Empty fuel tank	Fill fuel tank with properly mixed fuel
	Primer bulb was not pressed enough	Press primer bulb fully and slowly ten times
Unit starts, but has low engine power	Fuel filter is plugged	Replace spark arrestor screen
	Incorrect lever position	Move to run position
	Dirty spark arrestor screen	Replace spark arrestor screen
	Dirty air filter	Remove, clean and reinstall filter
Engine hesitates	Incorrect carburettor mixture setting	Have carburettor adjusted by an authorised service centre
	Air filter is plugged	Replace or clean the air filter
	Old or improperly mixed fuel	Drain gas tank/add fresh fuel mixture
	Air filter is plugged	Replace or clean the air filter
	Fouled spark plug	Replace or clean the spark plug
	Incorrectly gapped spark plug	Clean/gap or replace plug
	Dirty air filter	Clean or replace air filter
Smokes Excessively	Incorrect carburettor mixture setting	Have carburettor adjusted by an authorised service centre



Specifications

Air Velocity	450 km/h
Air Volume	13 m ³ /min
Engine Type	Petrol EURO 2 -2 Stroke Commercial
Engine Displacement	30 cm ³
Fuel Tank Capacity	500 ml
Fuel Type	Regular Unleaded 95 + RON
Fuel Mixture	25:1 (25 parts fuel to 1 part two stroke oil)
Ignition Type	CDI
Rated Engine Power	1 kW/7,500 min
Idling Speed	3,500 min ⁻¹
Maximum Engine Speed	9,000 min ⁻¹
Sound Pressure Level	LpA = 95 ,1dB (A) K = 3 dB (A)
Measured Sound Power Level	LwA = 102, 7 dB (A) K = 1,99dB (A)
Guaranteed Sound Power Level	LwA = 105 dB (A)
Vibration	4.374 m/s ² K = 1.5 m/s ²
Dry Weight	6.2 Kg



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.