

45 BP Backpack Blower (Serial No. 010001-)



JOHN DEERE

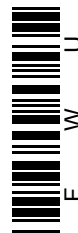
OPERATORS MANUAL

45 BP Backpack Blower (Serial No.
010001-)

OMM122066 H4 English

John Deere
Lawn & Grounds Care Division
OMM122066 H4
North American Version

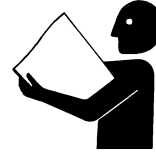
LITHO IN U.S.A.
ENGLISH



INTRODUCTION

THANK YOU for purchasing a John Deere product.

Read this manual and your vehicle manual thoroughly. Failure to do so could result in personal injury or equipment damage.



This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.

Measurements in this manual are U.S. customary units and their metric equivalents. RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will be used.

Product warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The product warranty is explained on the warranty certificate you received from your dealer.

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts.

Date of Purchase:

Dealer Name:

Phone:

Serial Number:

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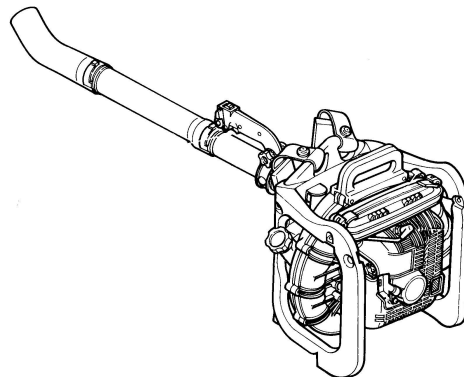


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SAFETY SIGNS

Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.



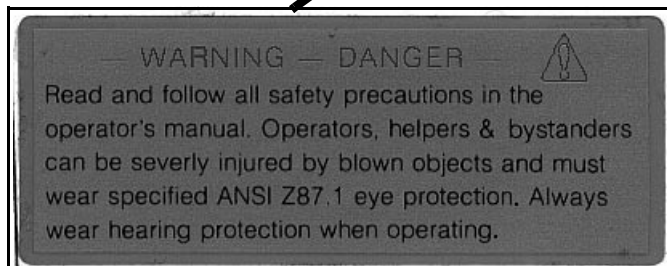
Machine Safety Labels

Read and understand all safety messages in the operator manual before using this machine.

Always wear eye and ear protection when operating this machine. Permit only the operator in the area of operation. Never point air pipe at people or pets. To prevent spillage do not fill the fuel tank to top. Secure fuel cap before starting engine. To maintain best control of machine start engine while unit is on the ground and the harness is not attached to the operator.

SAFETY SIGNS

Read and follow all safety precautions in the operator's manual. Operators, helper and bystander can be severely injured by blown objects and must wear specified ANSI Z87.1 eye protection. Always wear hearing protection when operating this machine.



OPERATING

SAFETY

Operate Safely



- Read this Backpack Blower Operator's Manual carefully. Be sure you understand how to operate before you use this machine.
- DO NOT operate Backpack Blower while intoxicated or under the influence of drugs or if ill.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- Make repairs before you operate. Keep machine properly maintained and in good working order. Keep all shields and guards in place.
- Only operate during daylight or with good artificial light.
- DO NOT let children or an untrained person operate machine.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.

- Allow NO ONE nearer than 50 feet while the blower is in use.
- People working in the same area should wear the same protective equipment as the operator.
- DO NOT point blower pipe in the direction of people or animals.
- Keep a firm grip on the blower at all times.

OPERATING

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Wear non-skid shoes. DO NOT wear open toed shoes or operate unit while bare footed.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe servicing requires your full attention.

Reduce Noise

NOTE: Before operating the blower, check and follow local regulations concerning sound level and hours of operation.

- Avoid using blowers when people are likely to be disturbed, such as late at night or early in the morning.
- Operate the blower at the lowest possible throttle setting that gets the job done. If you loosen compacted leaves, grass or debris with a broom or a rake, using full throttle is not necessary.
- Make sure the muffler works well. Also check the air filter to make sure the blower is working properly.
- Use only one piece of equipment at a time.

OPERATING

Reduce Chances Of Damage

- Before starting a job, check wind direction. Avoid blowing in the direction of open doors and windows, cars pets, children or anything that could be harmed by blowing dust, leaves and debris.
- Use the full nozzle extension so the air stream is close to the ground. This will get the job done quicker without kicking up alot of dust.
- In dusty conditions, wet down surfaces or use mister attachment.
- Clean up after the job is done. Make sure no debris has blown onto someone else's property. Collect any trash and put it in a proper container.

OPERATING



CAUTION:

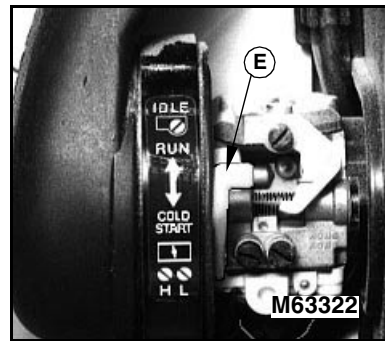
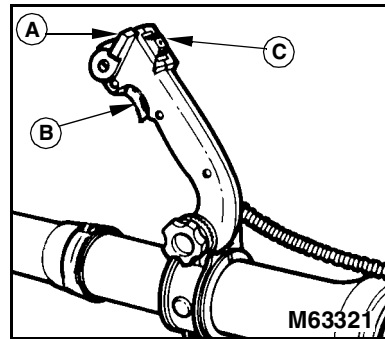
It is believed that a condition known as Raynaud's Phenomenon which affects the fingers of certain individuals is brought about by exposure to cold and vibration. Accordingly, your Deere blower has shock mounts designed to reduce the intensity of vibration. Exposure to cold and vibration may cause tingling and burning, followed by loss of color and numbness in a persons fingers. we strongly recommend taking the following precautions because the minimum exposure which might trigger the ailment is unknown.

- Keep your body warm, especially head neck, feet and ankles and hands and wrist.
- Maintain good blood circulation by performing vigorous arm exercises during frequent breaks, and also by not smoking.
- Limit the number of hours of operation. Try to fill a part of each work day with jobs where operating the blower or other hand-held power tools are not required.
- If you experience discomfort, redness and swelling of the fingers, followed by whitening and loss of feeling, consult your physician before exposing yourself further to cold and vibration

OPERATING

Learning Controls

- A. Throttle Lever
- B. Throttle Trigger
- C. Ignition Switch
- D. Recoil Starter
- E. Choke



OPERATING

Starting Cold Engine



CAUTION: DO NOT run engine in an enclosed area.
DO NOT start blower strapped to operator.

IMPORTANT: DO NOT put blower down where debris might be pulled into the fan.

Before you operate daily:

Inspect blower carefully.

Check guards and shield.

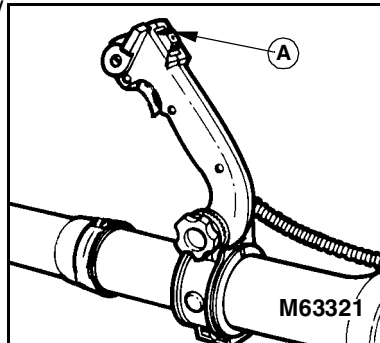
Tighten hardware.

1. Put blower upright on a clean flat surface.

IMPORTANT: Recoil starter: Use short pulls - only 1/2 - 2/3 of starter rope for starting. DO NOT allow the rope to snap back in. Always hold the unit firmly.

OPERATING

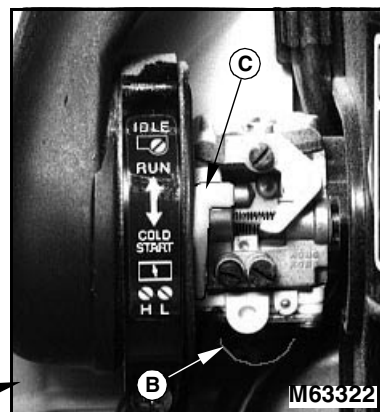
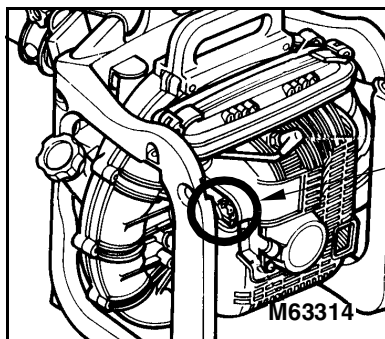
2. Slide ignition switch (A) to START/RUN position. Push purge bulb (B) until fuel is visible in clear fuel line. During initial start-up, removal from storage or after running out of fuel, the purge bulb may require additional pumping to circulate fuel throughout the system.



IMPORTANT: It is not necessary for the purge bulb or clear fuel return line to be filled with fuel. The blower has sufficient fuel for starting and running if some fuel is visible

3. Push choke lever (C) down to cold start position and pull starter until engine fires.

4. Push choke lever up to run position. Allow engine to warm up for a few minutes before using.



NOTE: Do not choke a warm engine.

OPERATING

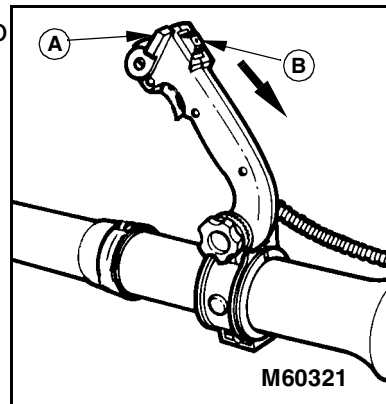
Starting A Warm Engine

1. If fuel tank was not run dry, pull starter one to three times and engine should fire. Do not use choke.
2. If fuel tank was run dry, after refilling, push the purge bulb (until fuel is visible in clear fuel return line) and then pull starter. DO NOT choke.

NOTE: If engine does not start after four pulls use cold start procedure.

Stopping the Engine

1. Move throttle lever (A) forward or up to idle position and allow engine to run for a few minutes.
2. Slide ignition switch (B) to “stop” position.



CAUTION:

If engine does not stop, shift choke lever to closed position.
Check and repair ignition switch before starting engine again.

OPERATING

Strapping Blower to Operator



CAUTION: DO NOT touch cylinder or muffler assembly when you handle blower.

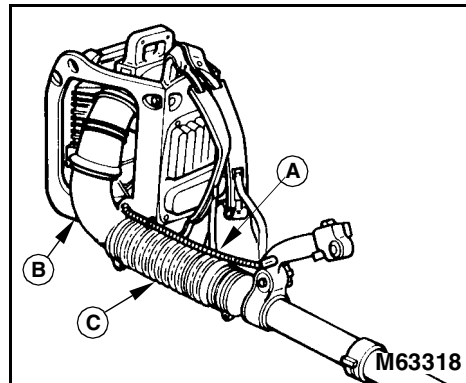
1. Start engine (See Starting Engine in this section).
2. Put blower on your back.
3. Adjust buckles.

Operating Blower



CAUTION: Always wear safety glasses and use a face filter mask.

IMPORTANT: Before operating blower check that the throttle cable (A) is routed between the elbow (B) and frame and passes along the top of the flexible pipe (C).



OPERATING

IMPORTANT: Do not block blower pipe to avoid engine damage due to over revving.
Move air pipe or fan intake to avoid air flow restrictions. Restrictions will cause engine to overspeed.

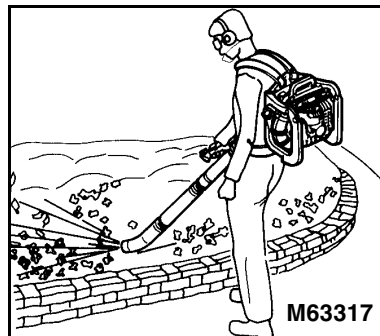
1. Allow engine to warm up at a fast idle for a few minutes.

NOTE: The 45 BP backpack blower can be run at any speed between an idle and high speed of 180 m.p.h. (288 km/h). The velocity of the air speed can easily be controlled from a gentle breeze to a high speed blast which will move debris ranging from garden leaves to bottles and other debris that can be accumulated in stadiums.

NOTE: Never use a higher speed than necessary to perform a task. Remember, the higher the engine speed, the louder the blower noise.

NOTE: The blower throttle may be operated by using the throttle trigger alone, which allows variable speed; or by moving and releasing the throttle control lever, which locks the throttle trigger into the desired position.

2. Use a low speed to blow dry leaves from a lawn or flower bed.



OPERATING

3. Additional speed may be necessary to clean grass and leaves from walks and patios and drives.

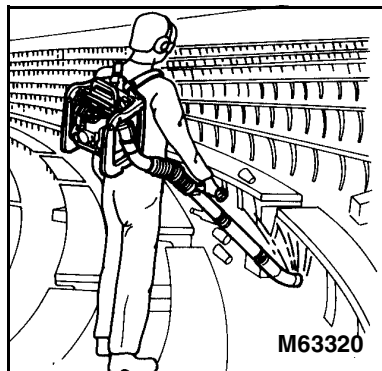


4. Additional speed may be necessary to move gravel, dirt, snow, bottles or cans from a driveway, street, parking lot or stadium.

Additional Tips:

Blow leaves into several piles for easy pickup.

Use blower to sweep. It is easier and quicker than a broom.



SERVICE MACHINE SAFELY

Practice Safe Maintenance



- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate or service machine while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- To prevent them from getting caught, keep hands, feet, clothing, jewelry, and long hair away from any moving parts.
- Let engine cool.
- Securely support any machine elements for service work.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.
- Unauthorized modifications to the machine may impair its function and safety.

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Wear non-skid shoes. DO NOT wear open toed shoes or operate unit while bare footed.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while servicing the machine. Safe servicing requires your full attention.

SERVICE MACHINE SAFELY

Handling Fuel



CAUTION: Handle fuel with care it is highly flammable.

- Use approved container.
- Do not mix fuel in blower fuel tank
- Mix fuel outdoors
- Move blower away from fueling area before you start engine.
- Do not smoke or allow flames near fuel.
- Avoid spilling fuel. Wipe up any spills.
- Drain fuel before transporting.
- Do not overfill fuel tank.
- Never store the blower with fuel in the tank- a fuel leak could start a fire. Store fuel in an approved container.
- Always remove fuel cap slowly to relieve any pressure
- Always tighten caps on blower and fuel container

Engine Oil

Mix oil and gasoline according to instructions.

The following oil is preferred:

- John Deere TWO-CYCLE ENGINE OIL.

Other oils may be used if they are two-cycle engine oils containing ashless-type additives.

SERVICE MACHINE SAFELY

Mixing Fuel

Fuel Mix Chart (50:1 Mixture)					
U.S.		Imperial		S.I. (Metric)	
Gas	Oil To Be Added	Gas	Oil To Be Added	Petrol	Oil To Be Added
1 gal	2.5 oz	1 gal	3.2 oz	4 L	80 cc
2 gal	5.0 oz	2 gal	6.4 oz	8 L	160 cc
2-1/2 gal	6.4 oz	2-1/2 gal	8.0 oz	10 L	200 cc
3 gal	7.5 oz	3 gal	9.6 oz	12 L	240 cc
4 gal	10.0 oz	4 gal	12.8 oz	16 L	320 cc
5 gal	12.5 oz	5 gal	16.0 oz	20 L	400 cc
6 gal	15.0 oz	6 gal	19.2 oz	24 L	480 cc

M60497

Fuel Mix Chart (32:1 Mixture)					
U.S.		Imperial		S.I. (Metric)	
Gas	Oil To Be Added	Gas	Oil To Be Added	Petrol	Oil To Be Added
1 gal	4.0 oz	1 gal	5.0 oz	4 L	80 cc
2 gal	8.0 oz	2 gal	10.0 oz	8 L	160 cc
2-1/2 gal	10.0 oz	2-1/2 gal	12.5 oz	10 L	200 cc
3 gal	12.0 oz	3 gal	15.0 oz	12 L	240 cc
4 gal	16.0 oz	4 gal	20.0 oz	16 L	320 cc
5 gal	20.0 oz	5 gal	25.0 oz	20 L	400 cc
6 gal	24.0 oz	6 gal	30.0 oz	24 L	480 cc

M60498

SERVICE MACHINE SAFELY

Mixing Fuel (Continued)

Unleaded fuel is recommended. Regular leaded gasoline with an anti-knock index of 87 or higher may also be used, but the unleaded fuel will burn cleaner and leave less unburned deposits in the combustion chamber. DO NOT use fuel that has been stored for a long time.

- | |
|---|
| <p>IMPORTANT: John Deere does not recommend the use of alcohol blended fuels (such as ethahol or methanol gasohol) in 2-cycle engines. The use of these fuels may cause premature engine wear or failure.</p> <ul style="list-style-type: none">• John Deere recommends the use of non-alcohol gasoline with an octane rating of 87 or higher mixed with John Deere 2-cycle oil at a 50:1 ratio (not available in Canada). DO NOT use other brands of oil when using a 50:1 mix.• Other brands of 32:1 oil are acceptable, if they meet BIA certification for TC-W service. Only use oils that are BIA certified. |
|---|

DO NOT mix fuel in blower fuel tank.

1. Fill container with half of the gasoline.
2. Add all the oil. Fasten lid.
3. Shake mixture.
4. Pour in remaining gasoline.
5. Shake mixture.

SERVICE MACHINE SAFELY

Storing Fuel

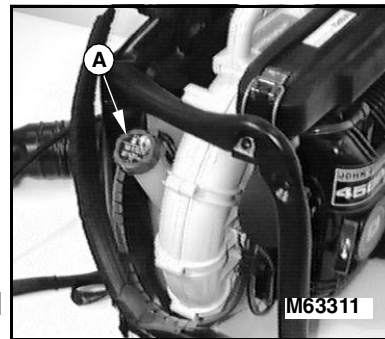
Store fuel only in clean, safe, approved containers. Check and follow local ordinances on type and location of storage containers.

IMPORTANT: Two-stroke fuel may separate. Shake fuel container before each use.

IMPORTANT: Stored fuel ages. DO NOT mix more fuel than you expect to use in a month

Filling Fuel Tank

1. Stop engine. Allow it to cool.
2. Remove cap (A).
3. Fill tank.
 - DO NOT use gasoline that has been stored a long time,
 - DO NOT fill tank to the top. Fuel will expand.
 - DO NOT fill tank with blower strapped to operator.
4. Install cap and wipe fuel from blower.



SERVICE MACHINE SAFELY

Cleaning Air Cleaner

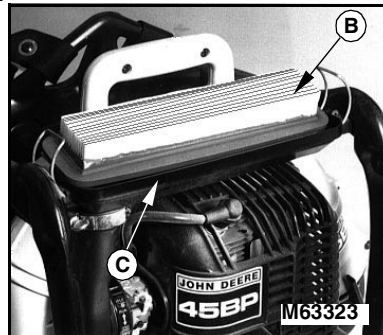
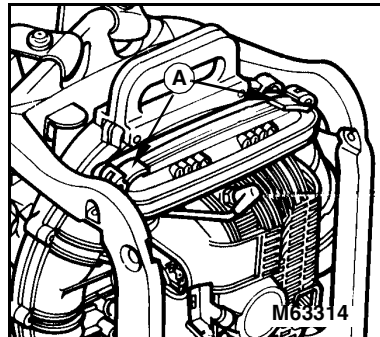


CAUTION: Before you service the air cleaner, remove cable from spark plug.

IMPORTANT: DO NOT operate with the air cleaner removed.

NOTE: Clean daily

1. Close choke, remove air cleaner cover (A) and pull out air filter (B).
2. Brush or blow dust from filter. DO NOT wash.
3. Install filter in bottom of air filter case (C).
4. Clean air cleaner cover and attach to unit.



SERVICE MACHINE SAFELY

Adjusting Carburetor

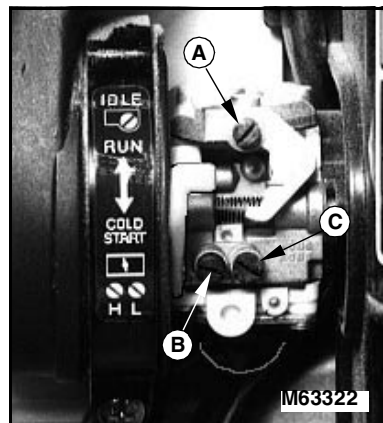
IMPORTANT: Engine will be damaged if you do not adjust the carburetor correctly. High speed adjustment screw must be open more than one turn.

NOTE: Do not adjust carburetor unless necessary. If you have trouble with the carburetor, see your dealer. Always adjust carburetor with pipes assembled to the blower.

The idle speed adjustment screw (A) controls the throttle opening at idle position.

The low speed adjustment screw (C) controls the volume of fuel/oil mixture at low engine speed. It also controls the supplementary fuel required to obtain smooth progression from idling to high speed.

The high speed adjustment screw (B) controls the volume of fuel/oil mixture at full throttle.

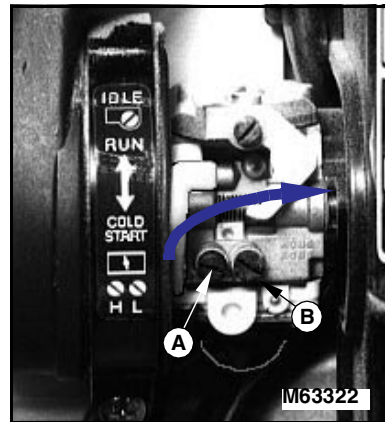


SERVICE MACHINE SAFELY

Initial Adjustment

NOTE: The needle screws have a sharp point. To avoid carburetor damage, do not use excessive force when seating needle in body.

1. Turn High (A) and Low (B) adjustment screws to the right (clockwise) until lightly seated in carburetor body.
2. Turn Low adjustment screw to the left (counterclockwise) 1-1/4 turns plus or minus 1/4 turn.
3. Turn High adjustment screw back out to the left (counterclockwise) 1 to 1/4 turns.
4. Start engine and allow it to run at high idle until warm (approximately 2-3 minutes).

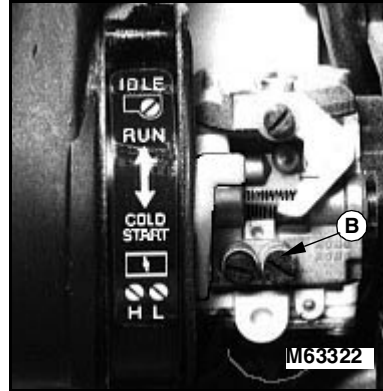


NOTE: Idle speed screw may have to be readjusted to keep engine from stalling

SERVICE MACHINE SAFELY

Low Speed Adjustment

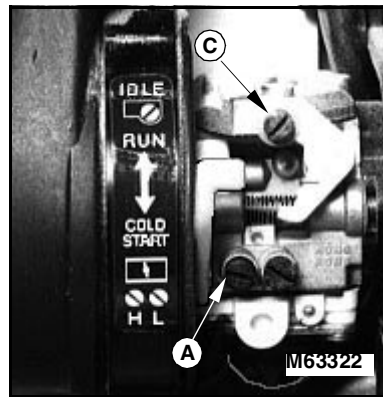
1. Slowly turn the Low adjustment screw (B) to the right (clockwise) and note the position when the engine speed drops.
2. Turn the Low adjustment screw to the left (counterclockwise) and note the position when the engine speed drops.
3. Set the screw midway between these two points.



High Speed Adjustment

NOTE: Engine must be at normal operating temperature.

1. While running the engine at full throttle, turn the High adjustment screw (A) slowly to the right (clockwise) until the engine runs smoothly.
2. Turn the screw to the left (counterclockwise) 1/8 turn to obtain optimum fuel mixture for full power under load conditions.
3. Engine Rpm. after High idle adjustment should be 7400-6500 RPM



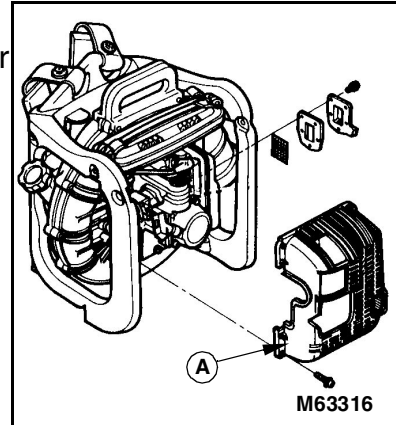
Idle Speed

1. Adjust idle speed (C) to 2750 RPM. plus or minus 250 RPM.

SERVICE MACHINE SAFELY

Engine Cover

- To clean inside of the engine cover (A), remove four screws and remove cover.



Checking Spark Plug

1. Remove cable (A) from spark plug
2. Remove spark plug. .

IMPORTANT: DO NOT clean spark plug in a machine using abrasives.

3. Clean stains or carbon off spark plug.

4. Inspect spark plug for:

- Cracked porcelain.
- Pitted or damaged electrodes.
- Other wear or damage.

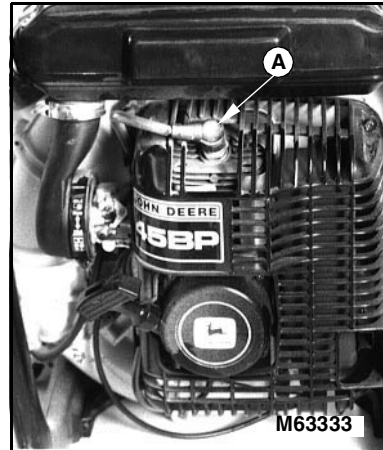
5. Check gap with a wire feeler gauge.

6. adjust spark plug gap to 0.6 - 0.7 mm (0.023-0.028 in.)

7. Install and tighten spark plug to to 14.5-15.5 N•m (125-135 in.lbs))

IMPORTANT: Do not over tighten spark plug

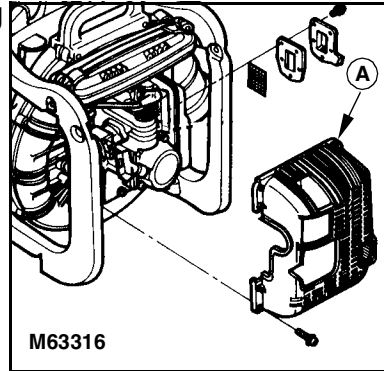
8. Install cable (A) on plug.



SERVICE MACHINE SAFELY

Engine Cooling and Cylinder Fin Maintenance

1. Clean cylinder fins to allow cooling air to pass freely. Remove engine cover (A) to clean fins.



CAUTION:

Take precautions to keep hair from being drawn into blower fan.

DO NOT place hand between engine and backpack housing while blower engine is in operation. Injury could occur. Be sure the engine is fully stopped before inserting hands to remove any debris. If available use a utensil to remove debris.

IMPORTANT:

To maintain proper engine operating temperatures, cooling air must pass freely through the cylinder fin area. This air flow carries combustion heat away from the engine preventing overheating and possible engine failure.

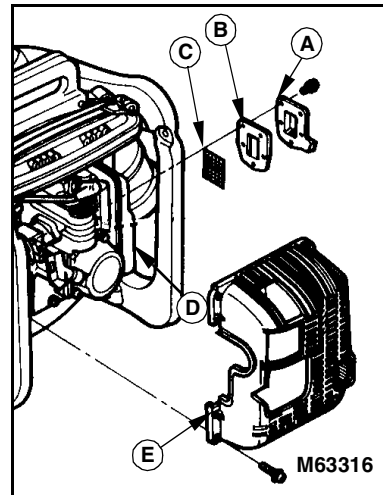
The cylinder fin area should be checked and cleaned periodically and is considered normal maintenance.

SERVICE MACHINE SAFELY

Muffler and Exhaust Port

NOTE: Carbon deposits in cylinder exhaust port and muffler will cause a drop in engine output and overheating. Muffler exhaust port and spark arrestor screen must be checked every 25 hours.

1. Remove engine shield (E)
2. Remove spark arrestor muffler cover (A), gasket (B), with a screwdriver and the muffler (D).).
3. Clean cylinder exhaust port being careful not to scratch cylinder or piston.
4. Remove spark arrestor cover (A) and spark arrestor screen (C) from muffler. Replace screen if plugged with carbon deposits.
5. Install spark arrestor screen, gasket and cover.
6. Install muffler, gasket and cover.
7. Replace engine shield (E).



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SERVICE MACHINE SAFELY

Fuel Strainer

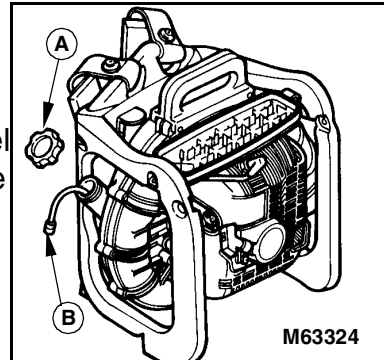
NOTE: Check periodically.



CAUTION: Before servicing fuel strainer, remove cable from spark plug.

NOTE: Empty fuel tank and fuel line before servicing fuel filter.

1. Remove fuel cap (A) and pour fuel into an approved container. Replace fuel cap and start engine. Run engine until all fuel is removed from fuel line.



IMPORTANT: Keep fuel tank clean - do not allow dirt or debris to enter fuel tank.

2. Remove fuel line and fuel filter (B) with a piece of wire.

NOTE: If filter has been cleaned before or is very dirty, replace it.

3. Install filter.

NOTE: Make sure fuel filter goes to bottom of the tank when installing.

Cleaning Fuel Tank Cap Vent

1. Disassemble cap.
2. Wash parts in a non-flammable solvent.
3. Allow to dry and reassemble.

TROUBLESHOOTING

Using Troubleshooting Chart

If you are experiencing a problem that is not listed in this chart, see your John Deere dealer for service.

When you have checked all the possible causes listed and you are still experiencing the problem, see your John Deere dealer.

IF	CHECK
Engine does not crank	Recoil starter damaged (See your John Deere Dealer)
	Crankshaft worn (See your Dealer)
	Crankshaft bearing damaged (See your dealer)
	Piston seized. (See your dealer)
Engine does not start	Follow correct starting procedure
	Check fuel tank
	Clean fuel filter
	Clean or replace spark plug
	Adjust carburetor
	Fuel line clogged
	Fuel mixture too rich
	Ignition coil defective
	Wire connection defective
	Switch is grounded
	Low and high needle setting too lean
	Fuel pump diaphragm defective

TROUBLESHOOTING

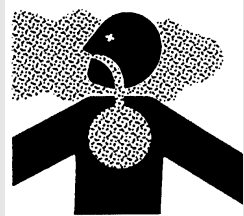
IF	CHECK
Engine dies or accelerates poorly	Fill fuel tank
	Clean fuel filter
	Clean fuel tank cap vent
	Use correct fuel/oil mix
	Clean air cleaner
	Adjust carburetor
	Clean cylinder fins
	Clean spark arrestor screen
Engine dies or accelerates poorly	Clean exhaust port
	Clean or replace spark plug
No spark at plug	Insulator cracked
	Spark plug gap incorrect
	Covered with carbon
	Fouled with fuel
Acceleration and low speed defective	Fuel leaking from mounting surfaces of the carburetor
	Air valve/fuel tank cap does not work normally
	Fuel pump does not operate
Carburetor overflows	Fuel inlet needle valve clogged with dust
	Metering lever spring not placed in dent of lever

TROUBLESHOOTING

IF	CHECK
Engine overheated	Improper fuel used
	Spark plug defective (burnt)
	Cooling fins clogged
	Excessive deposits in combustion chamber or muffler spark arrester
Carburetor defective	High-speed needle setting incorrect
	Carburetor overflow
	Air cleaner clogged
Other Troubles	Compression insufficient (piston ring stuck or worn out)
	Cylinder chromium plating peeled or worn out
	Exhaust port clogged with carbon
	Throttle is not fully open

STORING MACHINE

Storing Safety

**CAUTION:**

Engine exhaust fumes can cause sickness or death.

- Always try to work in a well ventilated area.
- DO NOT store vehicle with fuel in the tank inside a building where fumes may reach an open flame or spark.
- Allow engine to cool before storing in any enclosure.

Storing For a Short Time

1. Clean outside of blower.
2. Perform services shown in Service section as needed.
3. Remove cable from spark plug.
4. Remove blower pipes.

Long Term Storage

Do Not store your unit for a prolonged period of time (60 days or longer) without performing protective storage maintenance which includes the following:

1. Follow steps 1-4 above.
2. Store blower in a clean, dry area, out of reach of children.
3. Place ignition switch in the STOP position.
4. Remove accumulation of grease, oil, dirt and debris from exterior of unit.

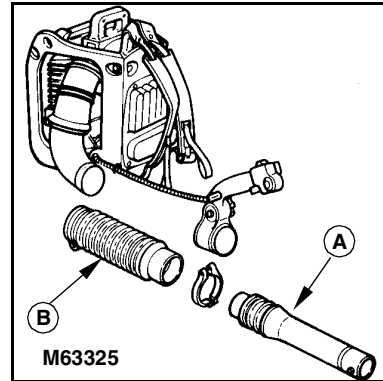
STORING MACHINE

5. Perform all periodic lubrication and services that are required.
6. Tighten all the screws and nuts.
7. Drain the fuel tank COMPLETELY and pull the starter handle several times to remove fuel from the carburetor. Pump purge bulb to remove remaining fuel and pull starter handle again.
8. Remove spark plug and pour 1/4 oz. (1/2 tablespoon) of fresh, clean, 2-stroke engine oil into the cylinder through the spark plug hole.
 - Place a clean cloth over the spark plug hole.
 - Pull the recoil starter handle 2-3 times to distribute the oil inside the engine.
 - 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.
9. Install the spark plug (do not connect ignition cable.)

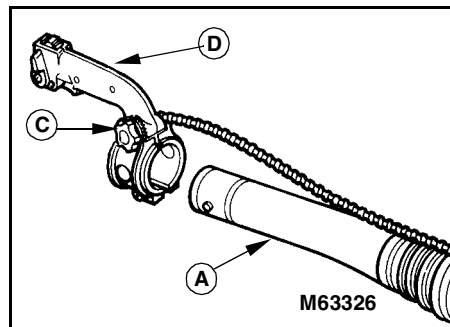
ASSEMBLY

Assemble Pipes

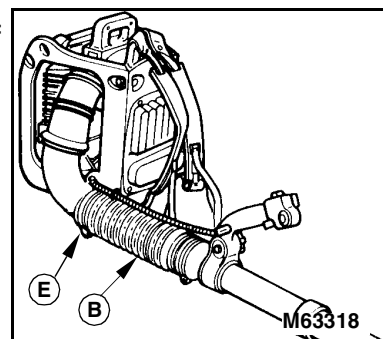
1. Assemble straight pipe (A) with swivel into flexible pipe (B) and tighten clamp.



2. Loosen knob (C) on throttle lever arm (D) and install to straight pipe with swivel (A).

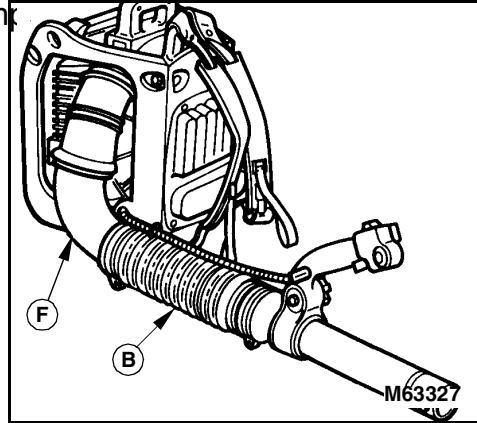


3. Place throttle cable in small loop of throttle cable clamp (E). Install clamp in second groove (counting from the back) of flexible pipe (B). Position clamp so cable passes between the elbow and frame and runs along the top of the flexible pipe.

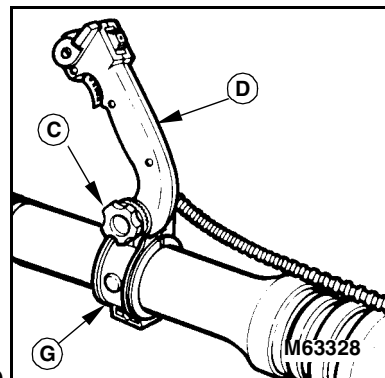


ASSEMBLY

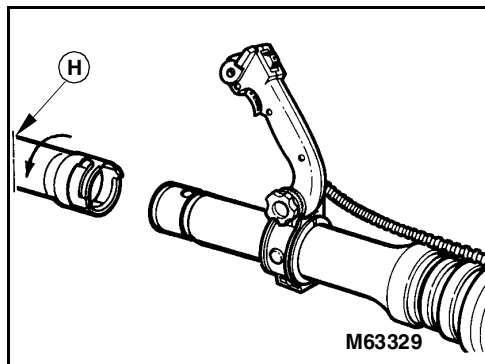
4. Assemble flexible pipe (B) to elbow (F) on blower and tighten clamp



5. Move throttle lever arm (D) to desired position. Tighten knob (C) hand tight and tighten clamp (G).



6. Assemble straight pipe (H) to pipe with swivel (H), turning straight pipe as shown to lock it in place. Assemble curved pipe to straight pipe in the same way.



SPECIFICATIONS

Engine

Type	Air cooled
Cylinders	Single
Stroke/Cycle	Two Cycle
Displacement	44.0 cc (2.67 cu in.)
Lubrication	Fuel/Oil mix
Muffler	Spark Arrester
Air Cleaner	Paper Element

Fuel System

Fuel	Regular or Unleaded
Carburetor	Diaphragm-type with purge bulb
Gasoline -oil mix ratio	50:1 (John Deere 2-cycle engine oil Other 32:1 BIA certified oil acceptable)

Ignition System

Type	Electronic

Capacities

Fuel Tank	64.0 U.S. oz (1.9 L)

SPECIFICATIONS

Blowern

Type	Direct Drive
Maximum air speed	180 mph (288 km/h)
Maximum air volume	370 cu. ft./min. 11m3/min @ (7500 rpm)
Weight (with blower pipe)	22.3 lbs. (10.1 kg)

(Specifications and design subject to change without notice.)

SPECIFICATIONS

JOHN DEERE SERVICE LITERATURE

Order Form

John Deere Distribution Center
Department S/P
P.O. Box 186, Moline, IL 61266-0186

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Title	Order Number	Price Each	x Quantity	= Total												
Parts Catalog	PC2162	(Call 1-800-522-7448 for current prices.)	X	=												
Operator's Manual	OMM122066		X	=												
Technical Manual	TM		X	=												
			X	=												
Fundamentals of Service (FOS) Manuals:																
Engines	FCP80101B	(Call 1-800-522-7448 for current prices.)	X	=												
Power Trains	FCP81102B		X	=												
Electrical Systems	FCP83101B		X	=												
Hydraulics	FCP82101B		X	=												
Catalog of Available Service Publications	DB1112	N/C														
Sub-total																
Method of Payment		Illinois state residents add 6.25% and Iowa state resident add 4% for Retail Occupation Tax or show tax exemption number. Other states excluded. Total Shipping & Handling (from table below) (Prices subject to change without notice - DEC 91) Amount Due in U.S. Dollars														
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100.00 and over	4% of sub total															

Cut along dotted line

NOTES



QUALITY DOESN'T END WHEN YOU INVEST IN A DEERE

John Deere equipment is more than just a purchase, it's an investment in quality. That quality goes beyond our equipment to your John Deere dealer's parts and service support. This support is needed to keep you a satisfied customer.

That's why John Deere has initiated a process to handle your questions or problems, should they arise. The following three steps will help guide you through the process.

Step 1 Refer to your operator's manual

- | | |
|---|---|
| A. It has many illustrations and detailed information on the safe and proper operation of your equipment. | C. It gives ordering information for parts catalogs, service and technical manuals. |
| B. It gives troubleshooting procedures, and specification information. | D. If your questions are not answered in the operator's manual, then go to Step 2. |

Step 2 Contact your dealer

- | | |
|---|---|
| A. Your John Deere dealer has the responsibility, authority, and ability to answer questions, resolve problems, and fulfill your parts and service needs. | C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner. |
| B. First, discuss your questions or problems with your dealer's trained parts and service staff. | D. If your questions or problems are not resolved by the dealer, then go to Step 3. |

Step 3 Call the John Deere Customer Communications Center

- A. Your John Deere dealer is the most efficient source in addressing any concern, but if you are not able to resolve your problem after checking your operator's manual and contacting your dealer, call the Customer Communications Center.
- B. For prompt, effective service, please have the following ready before you call:
- | | |
|---|--|
| • The name of the dealer with whom you've been working. | • Your 13-digit serial number which you recorded on the inside front cover of this manual. |
| • Your equipment model number. | • If the problem is with an attachment, your attachment identification number. |
| • Number of hours on machine (if applicable). | |
- C. Then call 1-800-537-8233 and our advisor will work with your dealer to investigate your concern.

