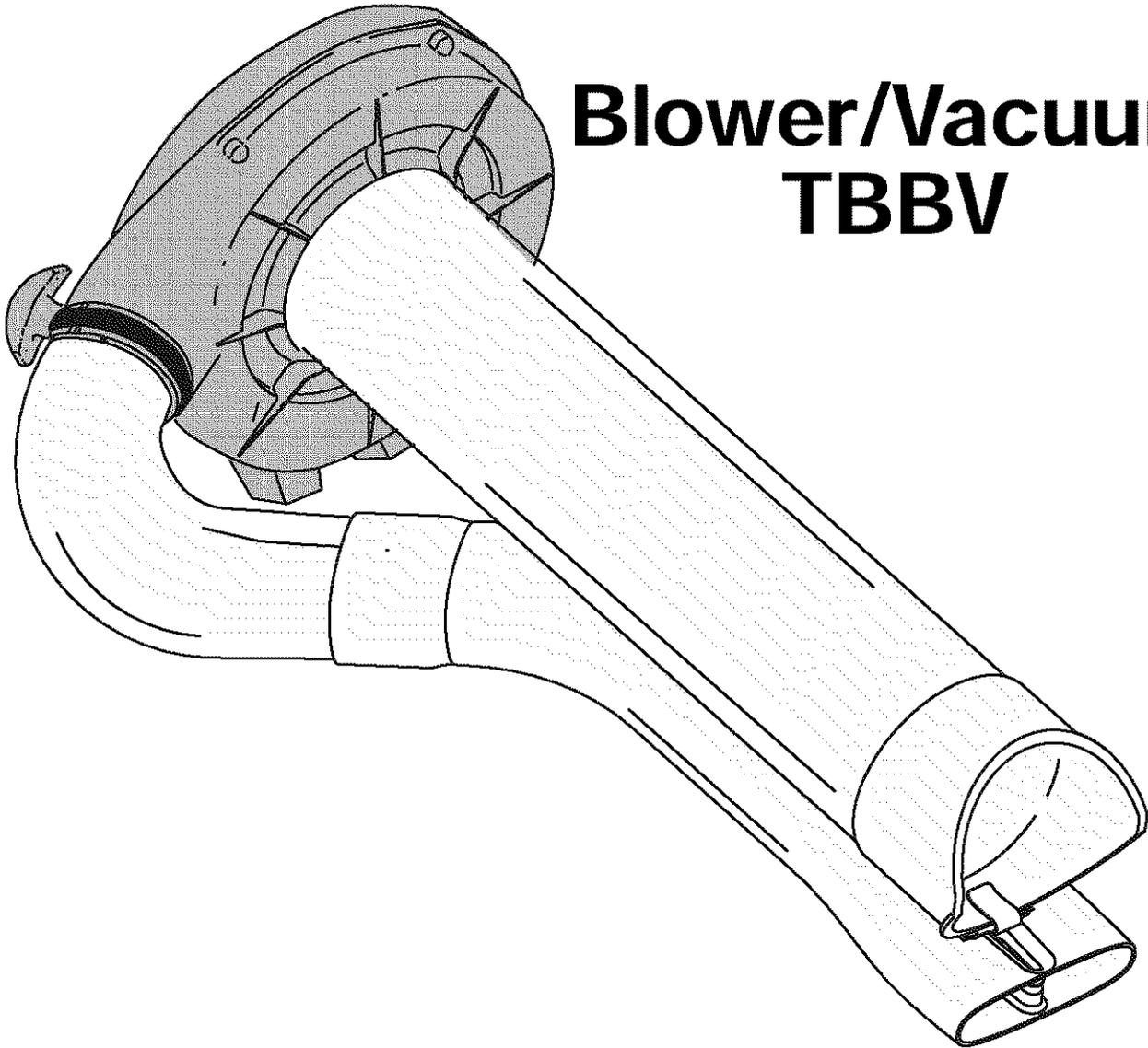




# Operator's Manual



## Blower/Vacuum TBBV



IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

TROY-BILT LLC, P.O. BOX 361131, CLEVELAND, OH 44136-0019

P/N 769-00423 (9/02)  
PRINTED IN USA

# INTRODUCTION

## THANK YOU

Thank you for buying this quality product. This modern outdoor power tool will provide many hours of useful service. You will find it to be a great labor-saving device. This operator's manual provides you with easy-to-understand operating instructions. Read the whole manual and follow all the instructions to keep your new outdoor power tool in top operating condition.

## PRODUCT REFERENCES, ILLUSTRATIONS AND SPECIFICATIONS

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

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MTD SOUTHWEST INC

## SERVICE INFORMATION

Service on this unit both within and after the warranty period should be performed only by an authorized and approved service dealer.

Dial:

- **1-330-558-7220**

Or

- **1-866-840-6483** to obtain the listing of the authorized service dealer nearest you.

**DO NOT RETURN THE UNIT TO THE RETAILER.**

**NOTE: PROOF OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE.**

**Make sure this manual is carefully read and understood before starting or operating this equipment.**

THIS PRODUCT IS COVERED BY ONE OR MORE US PATENTS. OTHER PATENTS PENDING.

# WARNING!

**Read the Operator's Manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.**

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## CONTENTS OF CARTON

This unit should consist of the following:

- TBBV Blower/Vacuum Add-On
- Blower Tube Assembly
- Vacuum Tube & Vacuum Bag Assembly
- Hanger
- Operator's Manual
- Product Registration Card

**NOTE:** This product has been rated for use on both gas and electric powerheads.

# RULES FOR SAFE OPERATION

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL	MEANING
	<b>SAFETY ALERT SYMBOL:</b> Indicates danger, warning, or caution. Attention is required in order to avoid serious personal injury. May be used in conjunction with other symbols or pictographs.
<b>NOTE:</b> Advises you of information or instructions vital to the operation or maintenance of the equipment.	



**DANGER:** Failure to obey a safety warning will result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.



**WARNING:** Failure to obey a safety warning can result in injury to yourself and others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.



**CAUTION:** Failure to obey a safety warning may result in property damage or personal injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.

## • IMPORTANT SAFETY INFORMATION •

### READ ALL INSTRUCTIONS



**WARNING:** When using the unit, the safety rules must be followed. For your own safety and that of bystanders, please read these instructions before operating the unit. Please keep the instructions safe for later use.

### BEFORE OPERATING

- Carefully read and understand the operator's manual of the unit that powers this attachment.
- Read this operating instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- Do not operate this unit when tired, ill, or under the influence of alcohol, drugs, or medication.
- Never allow children to operate the equipment. Never allow adults unfamiliar with the instructions to use the unit. Never allow adults to operate the equipment without proper instruction.
- All guards and safety attachments must be installed properly before operating the unit.
- Inspect the unit before use.
- Clear the area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the attachment. As a vacuum, the unit is designed to pick up dry materials such as leaves, grass, small twigs and bits of paper. To avoid severe damage to the impeller, Do Not attempt to vacuum, wet debris, metal, broken glass, gravel, stones, etc..

### SPECIAL SAFETY WARNINGS FOR GAS POWERHEADS AND BLOWER/VACUUMS



**WARNING:** Gasoline is highly flammable, and its vapors can explode if ignited. Take the following precautions:

- Store fuel only in containers specifically designed and approved for the storage of such materials.

- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank, or add fuel, when the engine is hot. Never operate the unit without the fuel cap securely in place. Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- Mix and add fuel in a clean, well-ventilated area outdoors where there are no sparks or flames. Slowly remove the fuel cap only after stopping engine. Do not smoke while fueling or mixing fuel. Wipe up any spilled fuel from the unit immediately.
- Avoid creating a source of ignition for spilled fuel. Do not start the engine until fuel vapors dissipate.
- Move the unit at least 30 feet (9.1 m) from the fueling source and site before starting the engine. Do not smoke. Keep sparks and open flames away from the area while adding fuel or operating the unit.
- Never start or run the unit inside a closed room or building. Breathing exhaust fumes can kill. Operate this unit only in a well ventilated area outdoors.

### SPECIAL SAFETY WARNINGS FOR ELECTRIC POWERHEADS AND BLOWER/VACUUMS

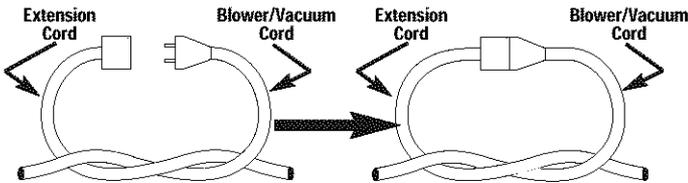


**WARNING:** To reduce the risk of electrical shock, use only extension cords approved for outdoor use, such as an extension cord of cord type SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJOW-A, SJTW-W or SJTOW-A. Extension cords are available from your local retailer. Use only round-jacketed extension cords approved for outdoor use.

- **CORD SETS:** Make sure your cord set is in good condition. When using a cord set, be sure to use a cord that is heavy enough to carry the current that your unit will draw. An undersized cord set will cause a drop in line voltage resulting in loss of power and overheating. See the operator's manual for the unit that will power this add-on for the recommended cord size.
- Inspect all extension cords and the unit power connection periodically. Look closely for deterioration, cuts or cracks in the insulation. Also inspect the connections for damage. Replace the cords if any defects or damage appear.

# RULES FOR SAFE OPERATION

- Prevent disconnection of the blower/vacuum powerhead from extension cord during operation by using a plug-receptacle retaining strap, connector, or by making a knot as shown below:



- Avoid dangerous environments. Never operate your unit in damp or wet conditions. Moisture is a shock hazard.
- Do not use the unit in the rain. Do not use in or around water.
- Do not handle the plug or unit with wet hands or standing on any wet surfaces.
- Do not leave the unit plugged in when not in use, changing attachments or add-ons, or while being serviced.

## WHILE OPERATING

- Keep bystanders, especially children and pets, at least 50 ft (15 m) away.
- Wear safety glasses or goggles that are marked as meeting ANSI Z87.1 standards, and ear/hearing protection when operating this unit. Wear a face or dust mask if the operation is dusty.
- Wear heavy, long pants, boots, gloves and a long sleeve shirt. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair above shoulder level.
- Use the unit only in daylight or good artificial light.
- Use the right tool. Only use this tool for the purpose intended.
- Keep air intake opening clear of debris while blowing.
- Avoid situations that could catch the vacuum bag on fire. Do not operate near an open flame. Do not vacuum warm ash from fireplaces, barbecue pits, brush piles, etc. Do not vacuum discarded cigars or cigarettes.
- Never operate the unit without the vacuum tube and vacuum bag or blower tube installed.
- Never attempt to clear a clogged vacuum or blower tube with the engine/motor running.
- Never operate the unit with a damaged bag. Bags are subject to deteriorate during use. Check the bag for damage and replace when necessary. A damaged bag may let objects pass through, causing injury.
- Always make sure the bag is completely zipped prior to starting the unit.
- Do not force unit. It will do the job better and with less likelihood of injury at a rate for which it was designed.
- Do not overreach, take extra care when working on steep slopes or inclines. Always keep proper footing and balance.
- Always hold the unit with both hands when operating. Keep a firm grip on both the front and rear handle or grips.
- Keep hands, face, and feet at a distance from all moving parts. Do not touch or try to stop the impeller when it is rotating. Do not operate without guards in place.

- Do not put any object into openings. Do not use with any opening blocked; keep free of dirt, debris, and anything that may reduce the air flow.
- Do not operate the engine faster than the speed needed to do the job. Do not run the engine at high speed when not in use.
- Always stop the engine/motor when operation is delayed or when walking from one location to another.
- If you strike or become entangled with a foreign object, stop the engine/motor immediately and check for damage. Have any damage repaired before attempting further operations.
- Stop the unit IMMEDIATELY if you feel excessive vibration. Vibration is a sign of trouble. Inspect thoroughly for loose nuts, bolts or damage before continuing. Repair or replace affected parts as necessary.
- Stop and switch the unit to off for maintenance, repair, or for changing add-ons or other attachments. The unit must be stopped and the impeller no longer turning to avoid injury.
- Use only genuine factory replacement parts and accessories for this unit. These are available from your authorized service dealer. Use of any unauthorized parts or accessories could lead to serious injury to the user or damage to the unit, and void your warranty.

## OTHER SAFETY WARNINGS

- Allow the unit to cool before storing or transporting. Be sure to secure the unit while transporting.
- Store the unit in a locked up and dry or high and dry place to prevent unauthorized use or damage, out of the reach of children.
- Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean and free from debris. Clean unit and labels with a damp sponge. Clean after each use.
- Keep these instructions. Refer to them often and use them to instruct other users. If you loan someone this unit, also loan them these instructions.
- Only qualified personnel should perform any repairs or maintenance procedures that are not described in this manual.
- Check shear bolts, engine mounting bolts and other bolts at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- Inside a building store the machine away from ignition sources. Allow the engine to cool before storing in any enclosure.
- Always refer to the Operator's Manual instructions for important details if the unit is to be stored for an extended period.
- Do not attempt to repair the machine unless you have the proper tools, and instructions for disassembly and repair of the machine.

## SAVE THESE INSTRUCTIONS

# RULES FOR SAFE OPERATION

## SAFETY AND INTERNATIONAL SYMBOLS

This operator's manual describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance and repair information.

### SYMBOL

### MEANING



#### • SAFETY ALERT SYMBOL

Indicates danger, warning, or caution. May be used in conjunction with other symbols or pictographs.



#### • WARNING - READ OPERATOR'S MANUAL

Read the Operator's Manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.



#### • WEAR EYE AND HEARING PROTECTION

**WARNING:** The operation of any power tool can be the source of thrown objects and loud noise which can cause severe eye injury and hearing loss. Always wear safety glasses or goggles eye protection meeting ANSI Z87.1 standards and ear protection when operating this unit. Use a full face shield when needed.



#### • KEEP BYSTANDERS AWAY

**WARNING:** Keep all bystanders, especially children and pets, at least 50 feet (15 m) from the operating area.



#### • THROWN OBJECTS CAN CAUSE SEVERE INJURY

**WARNING:** Do not operate unit without proper attachments and guards in place.



#### • BLOWER/VACUUM - ROTATING IMPELLER CAN CAUSE SEVERE INJURY

**WARNING:** Stop the engine/motor before installing or removing tubes and bag, or before cleaning or performing any maintenance. Do not put hands or other objects into fan housing. Keep hands and feet away from rotating impeller.

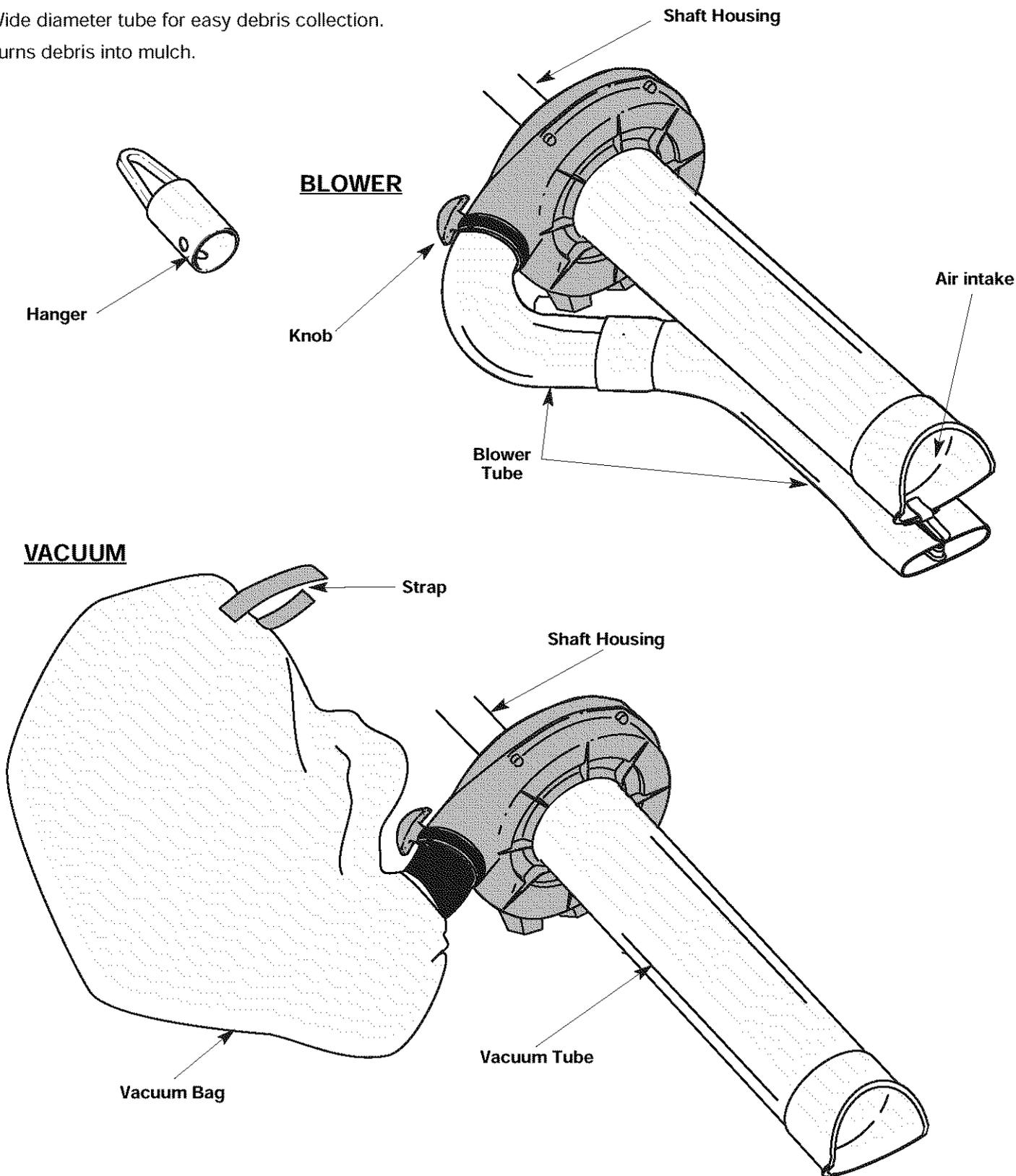
# RULES FOR SAFE OPERATION

## KNOW YOUR UNIT

### APPLICATIONS

With Blower/Vacuum Add-On:

- Easily converts from blower to vacuum.
- Wide diameter tube for easy debris collection.
- Turns debris into mulch.



# ASSEMBLY INSTRUCTIONS

**NOTE:** Your unit is completely assembled as a blower in the carton. Use the following instructions to convert between a blower and a vacuum.



**WARNING:** To avoid serious personal injury and damage to the unit, shut unit off before removing or installing add-ons.

## CONVERTING TO A VACUUM

1. Loosen the clamping knob on the blower housing counterclockwise.
2. Remove the blower tube.
3. Install the bag elbow and tighten the knob clockwise (Fig. 1).

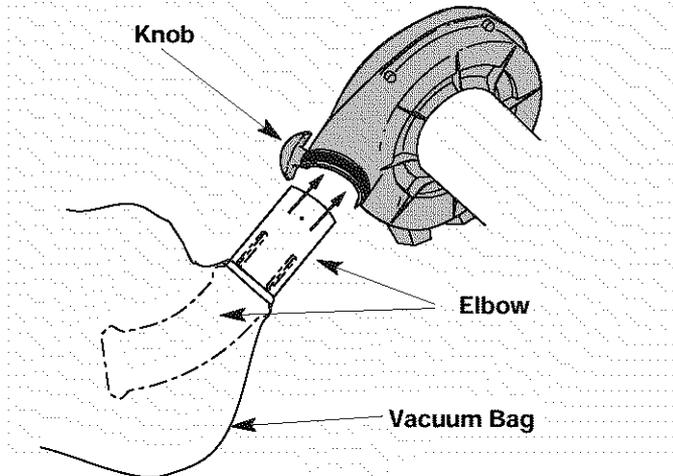


Fig. 1

4. Fasten the strap to the shaft above the assist handle, located on the powerhead (Fig. 2).

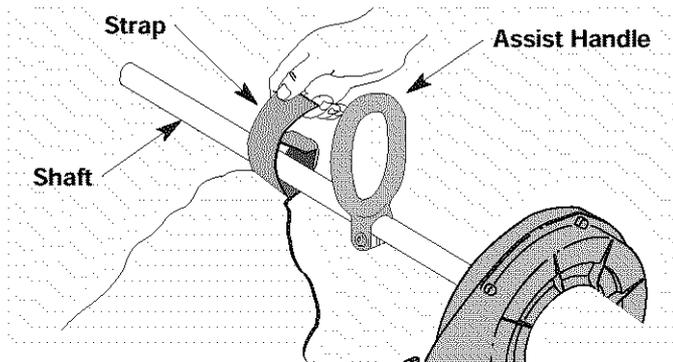


Fig. 2

## CONVERTING TO A BLOWER

1. Remove the vacuum bag.
2. Clip the blower tube to the end of the vacuum tube (Fig. 3).

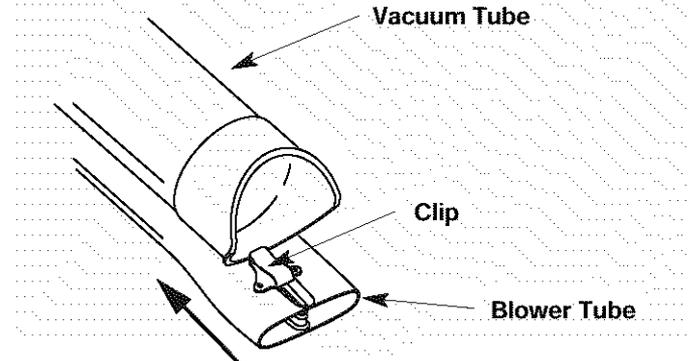


Fig. 3

3. Install the blower tube and tighten the knob (Fig. 4).

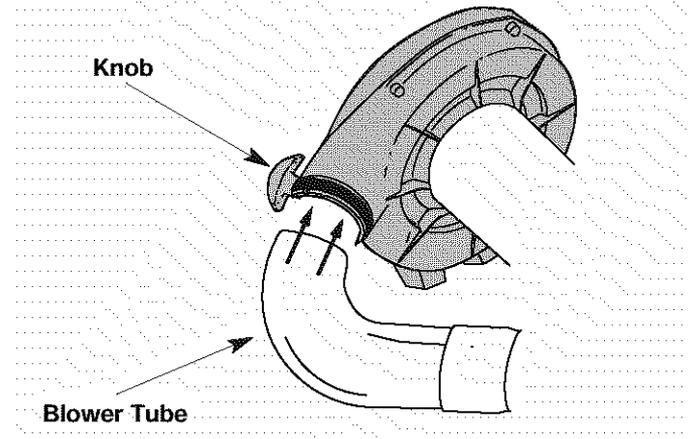


Fig. 4

# OPERATING INSTRUCTIONS

## ASSEMBLING THE COUPLER

The following Troy-Bilt Add-Ons are also available for your unit:

Cultivator .....	TBGC
Hedge Trimmer .....	TBHS
Edger .....	TBLE
Straight Shaft Trimmer .....	TBSS
Snow Thrower .....	TBST
Turbo Blower .....	TBTB
Tree Pruner .....	TBTP

### Removing the add-on

	<b>WARNING:</b> Read and understand operator's manual for unit to be used with this add-on prior to operation.
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1. Turn the knob counterclockwise to loosen (Fig. 5).
2. Press and hold the release button (Fig. 5).
3. While firmly holding the upper shaft housing, pull the blower/vacuum add-on out of the coupler (Fig. 6).

### Installing the add-on

	<b>WARNING:</b> To avoid serious personal injury and damage to the unit, shut unit off before removing or installing add-ons.
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**NOTE:** To make installing or removing the add-on easier, place the unit on the ground or on a work bench.

1. Remove the hanger from the top of the shaft housing.
2. Turn knob counterclockwise to loosen (Fig. 5).
3. While firmly holding the add-on, push it straight into the coupler (Fig. 6).

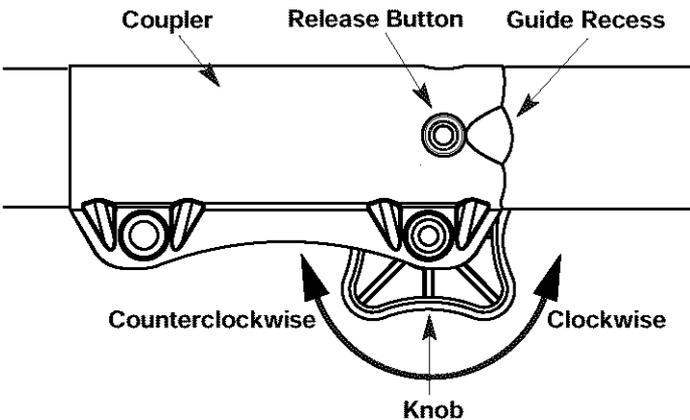


Fig. 5

**NOTE:** Aligning the release button with the guide recess will help installation (Fig. 5).

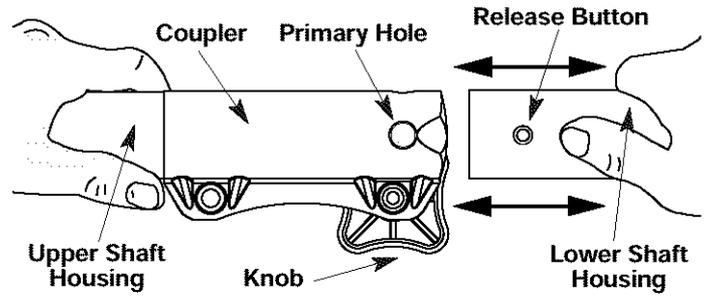


Fig. 6

4. Turn the knob clockwise to tighten (Fig. 7).

	<b>CAUTION:</b> Lock the release button in the primary hole (Fig. 6) and securely tighten the knob before operating this unit.
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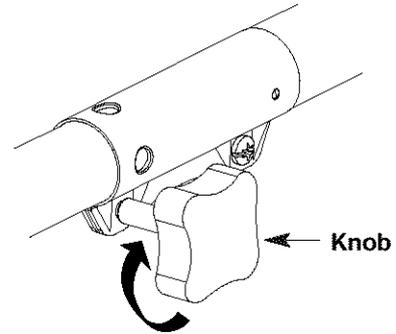


Fig. 7

	<b>CAUTION:</b> The add-ons with the coupler system are to be used in the primary hole only. Using the wrong hole could lead to personal injury or damage to the unit.
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The blower/vacuum add-on should be installed with the release button in the **primary hole**.

### Check Flex Shaft Engagement Prior to Using

1. Start the unit.
2. Briefly engage and release the trigger.
3. Check that add-on is operating.
4. If the add-on is not operating, remove add-on and repeat steps for installing the add-on.
5. Recheck operation of add-on attachment.

# OPERATING INSTRUCTIONS

## OPERATING TIPS

**NOTE:** Move the unit slowly back and forth over debris to be vacuumed or blown.

**NOTE:** Vacuum a large pile of debris by working from the outside of the pile. Do not force the suction tube into the debris because this can clog the unit.

## OPERATING VACUUM

1. The vacuum can be used for cleaning around rocks, under shrubs and trees, along walls, or vacuuming piles of debris formed by blower (Fig. 8).

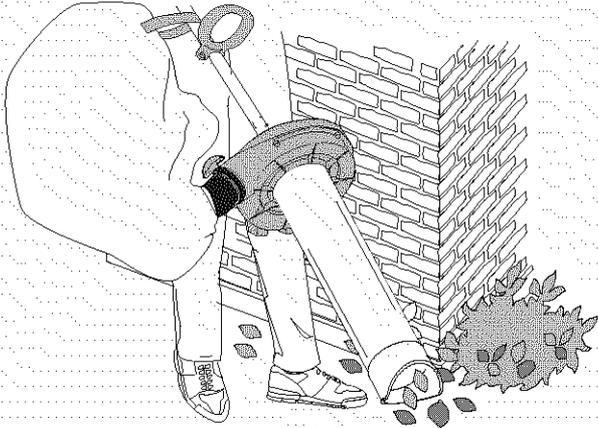


Fig. 8

2. Disconnect unit from power source before removing bag. Once removed, shake the bag vigorously while emptying to completely remove the contents (Fig. 9).

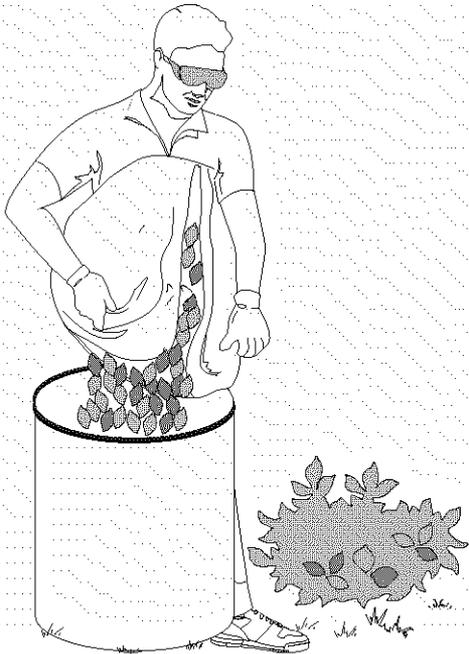


Fig. 9

## OPERATING BLOWER

1. You can blow debris from around buildings, trees, shrubs, and flower beds, or into a pile to be vacuumed (Fig. 10).

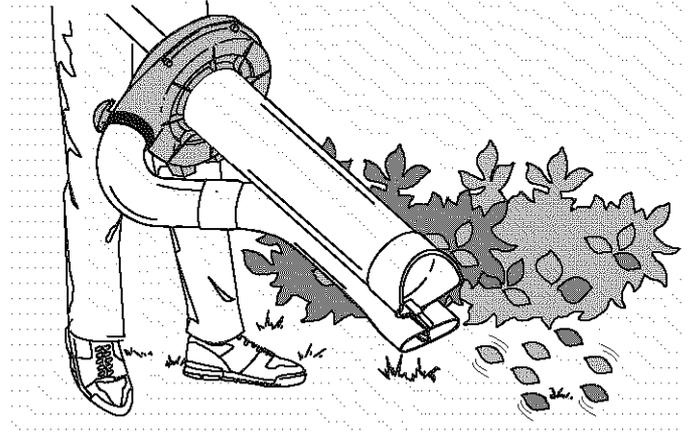


Fig. 10

## OPERATING TIPS

- Be sure the vacuum bag is zipped closed before operating the unit.
- Assure the unit is not directed at loose debris or persons before starting unit.
- The unit is in good working condition. The tubes and guards are in place and secure.
- Always hold the unit with both hands when operating. Keep a firm grip on both the front and rear handle or grips.
- To reduce the risk of hearing loss associated with sound level(s), the use of hearing protection is required.
- Watch out for children, pets, open windows, or freshly washed cars, and blow debris away.
- After using blowers and other equipment, CLEAN UP! Dispose of debris in trash receptacles.

# MAINTENANCE AND REPAIR INSTRUCTIONS

## STORAGE

- Check unit before storage to be sure the equipment is in safe working condition.
- Stop the engine or motor.
- Store the unit indoors, in a dry and locked place, out of the reach of children.

### For gas powerhead units

- Allow the unit to cool before storing in any enclosure.
- Drain fuel from unit. Never store the unit with fuel in the fuel tank inside a building where ignition sources are present such as hot water and space heaters, clothes dryers, etc.

## TRANSPORTING

- Allow the unit to cool before transporting.
- Secure the unit while transporting.

### For gas powerhead units

- Drain fuel from unit.
- Tighten fuel cap before transporting.

## ACCESSORIES/REPLACEMENT PARTS

Vacuum bag assembly .....	791-180108
Vacuum tube assembly .....	753-1215
Blower tube assembly .....	791-181641

Use only original genuine factory replacement parts.

# SPECIFICATIONS

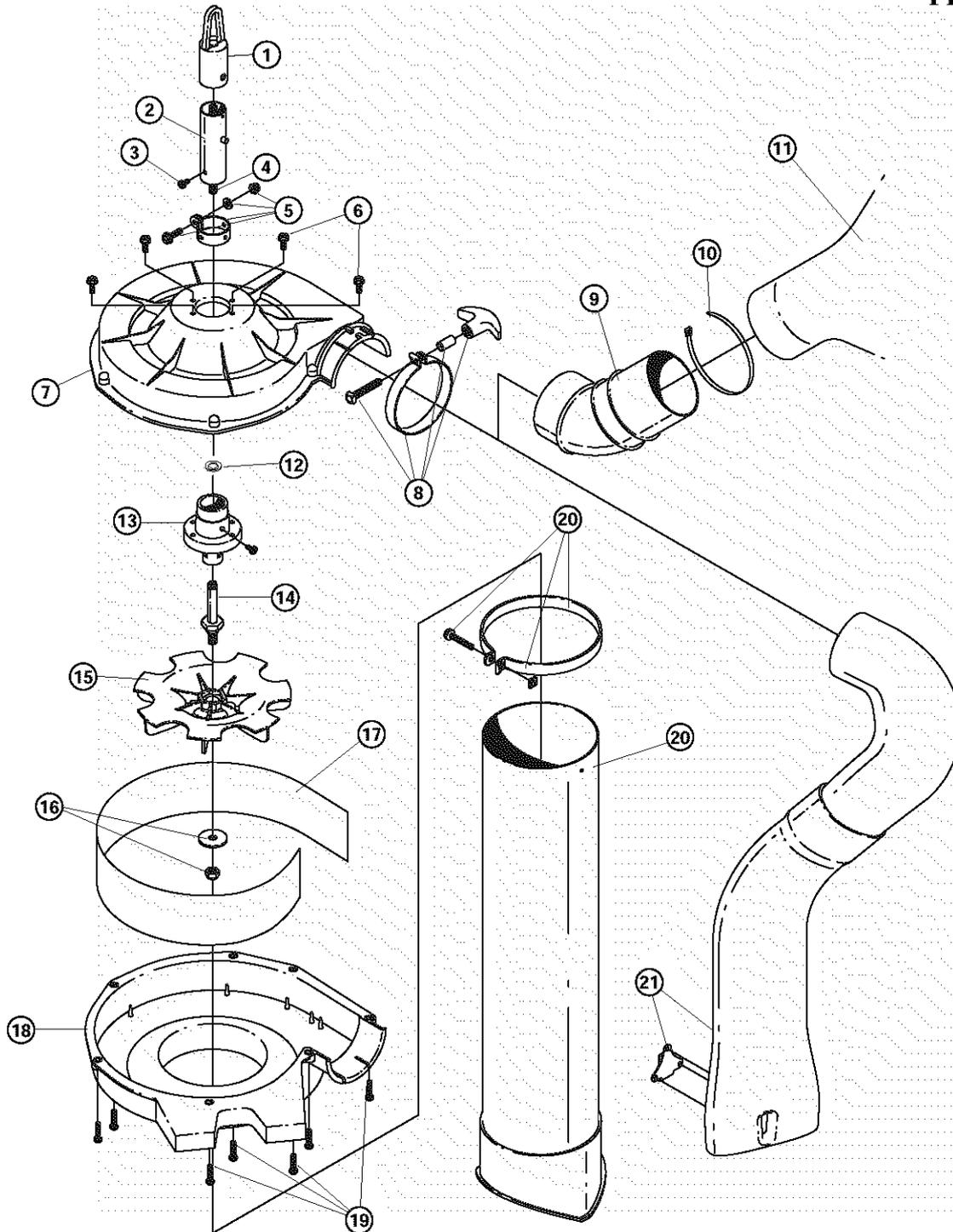
## BLOWER/VACUUM ADD-ON

Weight of Attachment: .....	4.6 lbs. (10.1 kg)
Bag Capacity .....	2 Bushels (.0728 m <sup>3</sup> )
Air Velocity .....	Up to 120 MPH
Drive Shaft Housing .....	Steel Tube

# REPLACEMENT PARTS - MODEL TBBV

## BLOWER VACUUM ADD-ON

PPN 41AJBV-C063



### Item Part No. Description

1	791-612605	Hanger
2	753-04267	Boom Assembly
3	791-145569	Anti-Rotation Screw
4	753-04268	Drive Shaft Assembly
5	791-153597	Lower Clamp Assembly (includes 3)
6	791-181853	Mounting Screw
7	791-180874	Upper Housing
8	791-683884	Clamp Assembly
9	791-612929	Adapter
10	791-612930	Clamp
11	753-04269	Vacuum Bag Assembly (includes items 9 and 10)

### Item Part No. Description

12	791-181560	Palnut
13	791-181636	Bushing Housing Assembly
14	791-612931	Impeller Shaft
15	791-180197	Impeller
16	791-683887	Nut and Washer Assembly
17	791-181586	Shield
18	791-180875	Lower Housing
19	791-181345	Mounting Screw
20	753-1215	Vacuum Tube Assembly
21	791-181641	Blower Tube Assembly

## MANUFACTURER'S LIMITED WARRANTY FOR:



The limited warranty set forth below is given by Troy-Bilt LLC with respect to new merchandise purchased and used in the United States, its possessions and territories.

Troy-Bilt LLC warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in material or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water or damage because of other peril or natural disaster. Damage resulting from the installation or use of any accessory or attachment not approved by Troy-Bilt LLC for use with the product(s) covered by this manual will void your warranty as to any resulting damage. This warranty is limited to ninety (90) days from the date of original retail purchase for any Troy-Bilt product that is used for rental or commercial purposes, or any other income-producing purpose.

**HOW TO OBTAIN SERVICE:** Warranty service is available, WITH PROOF OF PURCHASE THROUGH YOUR LOCAL AUTHORIZED SERVICE DEALER. To locate the dealer in your area, visit our website at [www.troybilt.com](http://www.troybilt.com), check for a listing in the Yellow Pages, call 1 (866) 840-6483 or 1 (330) 558-7220 or write to P.O. Box 361131, Cleveland, OH 44136-0019.

**This limited warranty does not provide coverage in the following cases:**

- A. Tune-ups - Spark Plugs, Carburetor Adjustments, Filters
- B. Wear items - Bump Knobs, Outer Spools, Cutting Line, Inner Reels, Starter Pulley, Starter Ropes, Drive Belts
- C. Troy-Bilt LLC does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through Troy-Bilt's authorized channels of export distribution.

Troy-Bilt LLC reserves the right to change or improve the design of any Troy-Bilt Product without assuming any obligation to modify any product previously manufactured.

**No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty or guaranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product shall bind Troy-Bilt LLC. During the period of the Warranty, the exclusive remedy is repair or replacement of the product as set forth above.** (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

**The provisions as set forth in this Warranty provide the sole and exclusive remedy arising from the sales. Troy-Bilt LLC shall not be liable for incidental or consequential loss or damages including, without limitation, expenses incurred for substitute or replacement lawn care services, for transportation or for related expenses, or for rental expenses to temporarily replace a warranted product.** (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. Alteration of the safety features of the product shall void this Warranty. You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the use or misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser, original lessee or the person for whom it was purchased as a gift.

**How State Law Relates to this Warranty:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To locate your nearest service dealer dial  
1 (877) 282-8684

**Troy-Bilt LLC**

P.O. Box 361131

Cleveland, OH 44136-0019