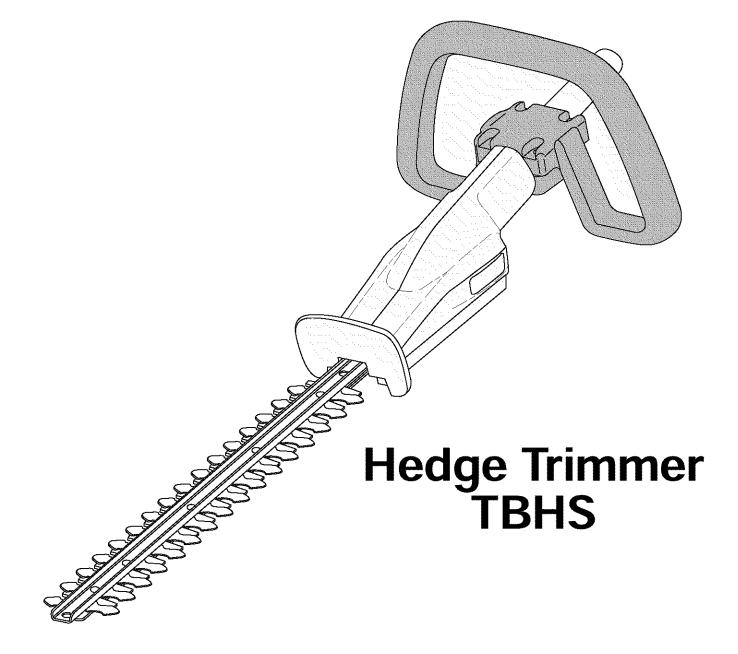


Operator's Manual



IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY MTD SOUTHWEST INC, Chandler, AZ 85226-2434

> P/N 769-00417 (8/02) 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-tounderstand 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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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.

TABLE OF CONTENTS

I.	Rules for Safe Operation3-6A. Important Safety Information3-4B. Safety and International Symbols5C. Know Your Unit6
11.	Operating Instructions7-8A. Assembling the Coupler7B. Preparing for Operation8C. Operating Tips8
	Maintenance and Repair Instructions9-11A. Lubricating Cams9B. Blade Replacement9C. Lubricating Blade10D. Storage11E. Transporting11F. Accessories/Replacement Parts11
IV.	Specifications 11
V.	Warranty 12

CONTENTS OF CARTON

This unit should consist of the following:

- TBHS Hedge Trimmer Add-On
- Hanger
- Operator's Manual
- · Product Registration Card
- **NOTE:** This product has been rated for use on both gas units only.

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



SAFETY ALERT SYMBOL: 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.

NOTE: Advises you of information or instructions vital to the operation or maintenance of the equipment.

IMPORTANT SAF <u>READ ALL INSTRUCTIONS</u>



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. Ensure the blade is installed correctly and secure.
- Clear the area to be hedged before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the hedge trimmer attachment.

SAFETY WARNINGS FOR GAS POWERHEADS AND HEDGE TRIMMERS



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.



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 •

- 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.

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 hedge trimmer properly. Only use this tool for the purpose intended. Use only for trimming the type of shrub, growth, etc., described in the operating instructions.
- 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.
- DO NOT stand on an unstable support. Do not use on a ladder.

- 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 blades when they are moving.
- 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.
- Stop the engine/motor for maintenance, repair, to install or remove the blades. The unit must be stopped and the blades no longer moving to avoid injury.
- Always wear heavy gloves when handling, removing, installing or cleaning the blades.
- 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.
- Maintain hedge trimmer with care. Keep blades sharp at all times, and clean for best and safest performance. Follow maintenance instructions. Always use a clean cloth when cleaning. Never use brake fluid, gasoline, petroleum-based products, or any strong solvents to clean your unit.
- 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



CAUTION: Blades will coast after powerhead is in the "off" position.

- 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 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 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

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.



KEEP HANDS AWAY FROM BLADES

MOVING BLADES CAN CAUSE SEVERE INJURY. Do not put hands on blades when starting the engine or while operating hedge trimmer attachment.



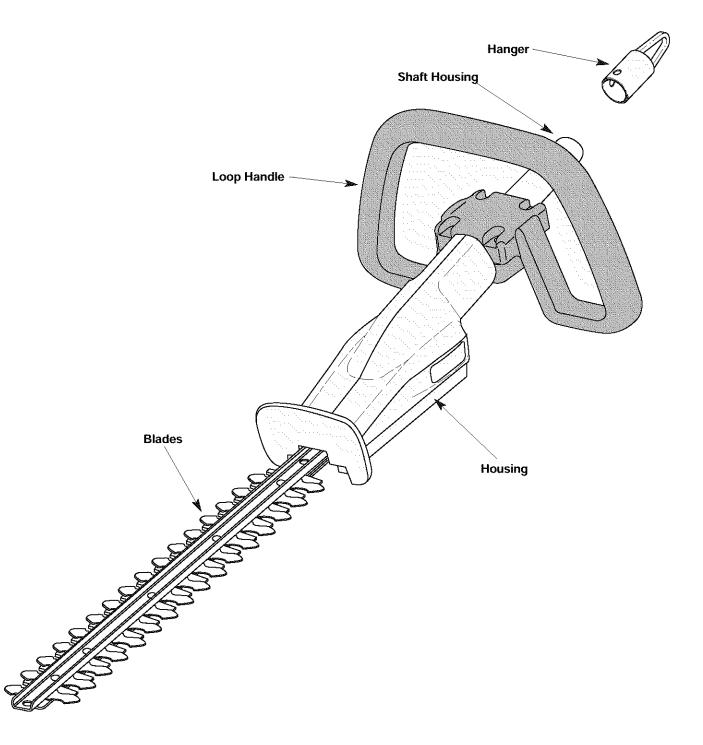
• ATTACHMENT IS HOT!

Surface of attachment is hot. To avoid serious injury, do not hold attachment while operating. Use designated handles only.

KNOW YOUR UNIT

APPLICATIONS

With Hedge Trimmer Add-On:		···.	ч	• •	 	 	•••	 		•••	 		•••	•
Trimming hedges and shrub	s.	· · · ·												



OPERATING INSTRUCTIONS

ASSEMBLING THE COUPLER

The following Troy-Bilt Add-Ons are also available for your unit:
Blower/Vacuum TBBV
CultivatorTBGC
EdgerTBLE
Straight Shaft Trimmer TBSS
Snow Thrower TBST
Turbo Blower TBTB
Tree Pruner

Removing the add-on



WARNING: Read and understand operator's manual for unit to be used with this add-on prior to operation.

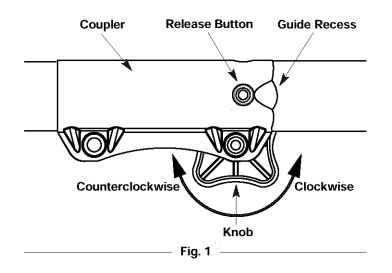
- 1. Turn the knob counterclockwise to loosen (Fig. 1).
- 2. Press and hold the release button (Fig. 1).
- 3. While firmly holding the upper shaft housing, pull the hedge trimmer add-on out of the coupler (Fig. 2).

Installing the add-on

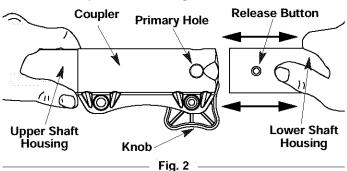


WARNING: To avoid serious personal injury and damage to the unit, shut unit off before removing or installing add-ons.

- **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. 1).
- 3. While firmly holding the add-on, push it straight into the coupler (Fig. 2).



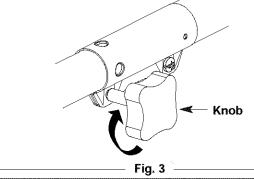
NOTE: Aligning the release button with the guide recess will help installation (Fig. 1).

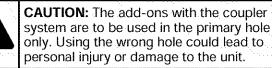


4. Turn the knob clockwise to tighten (Fig. 3).



CAUTION: Lock the release button in the primary hole (Fig. 2) and securely tighten the knob before operating this unit.





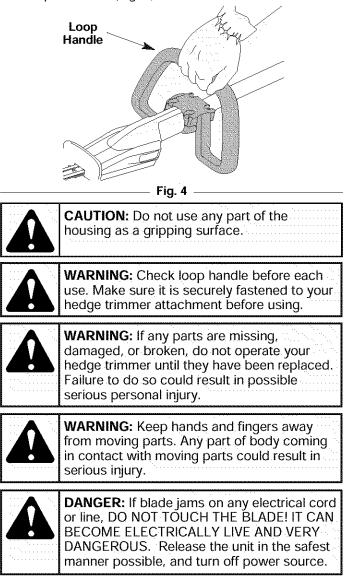
The hedge trimmer add-on should be installed with the release button in the **primary hole**.

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.

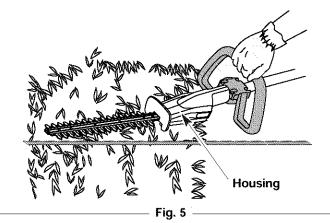
PREPARING FOR OPERATION

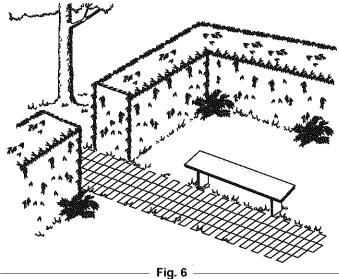
For ease of operation, your hedge trimmer has a loop handle. For ease of operation and best balance of the unit. we recommend that you use the loop handle on the hedge trimmer attachment rather than the assist handle on the powerhead (Fig. 4).



OPERATING TIPS

- **NOTE:** Do not operate unit with the hedge trimmer attachment at full engine speed. Best performance occurs at 1/2 to 3/4 speed.
- Wear gloves when trimming thorny or prickly growth. When trimming new growth, use a wide sweeping action, so that the stems are fed directly into the cutting blade. Older growth will have thicker stems and will be trimmed easiest by using a sawing movement. Do not try to cut stems that are larger than 3/8 inch thick, or those obviously too large to feed into the cutting blade. Use a non-powered hand saw or pruning saw to trim large stems.
- If desired, you can use a string to help cut your hedge level. Decide how high you want the hedge. Then, stretch a piece of string along the hedge at this height. Trim the hedge just above this guide line of string (Fig. 5). Trim the side of a hedge so that it will be slightly narrower at the top (Fig. 6). More of the hedge will be exposed when shaped this way, and be more uniform.





MAINTENANCE AND REPAIR INSTRUCTIONS

IMPORTANT!

Lubricating Cams

The cams are lubricated with a sufficient amount of hightemperature grease. To keep the attachment operating efficiently, apply a high-temperature grease to the cams, and in between the yokes every 6 hours of use. (Fig. 7)

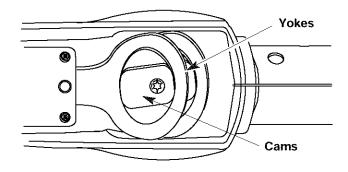


Fig. 7



WARNING: Failure to apply high-temperature grease every 6 hours of operation can result in failure of cams and blade, and will void your warranty.

BLADE REPLACEMENT

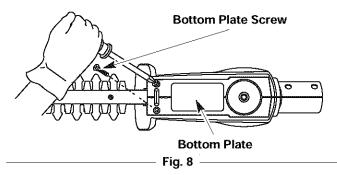
- **NOTE:** We recommend that you take the hedge trimmer attachment to your nearest authorized service dealer to replace the blade.
- **NOTE:** Disconnect the hedge trimmer attachment from the powerhead before replacing the blade.

REMOVING BLADE

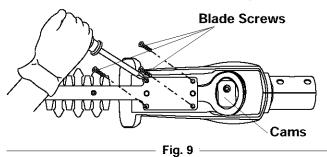


WARNING: Blades are sharp. When handling blade assembly, do not place your hand or fingers between blades or in any position where they could get pinched or cut.

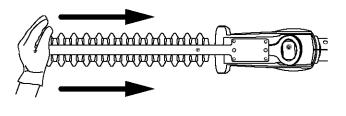
- 1. Place hedge trimmer upside down on workbench and remove two (2) bottom plate screws (Fig. 8).
- 2. Remove bottom plate.



- 3. Align the cams (Fig. 9).
- 4. Remove the four (4) blade screws (Fig. 9).

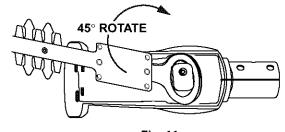


5. Push the red end of the blade bar towards the cams. This will loosen the blade plate so that it can be removed easily from the cams (Fig. 10).





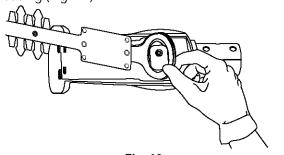
6. Remove the blade by lifting and rotating it so that the blade yokes clears the lower cam first (Fig. 11).



– Fig. 11 -

MAINTENANCE AND REPAIR INSTRUCTIONS

7. Squeeze the yokes and remove the blade from the housing (Fig. 12).



– Fig. 12 —

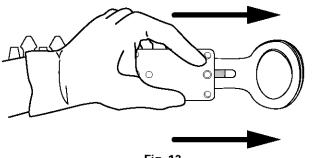
INSTALLING BLADE



WARNING: Blades are sharp. When handling blade assembly, do not place your hand or fingers between blades or in any position where they could get pinched or cut.

WARNING: To prevent serious injury, wear gloves when removing or installing the blade.

- 1. Slide the blade plate all the way forward towards the yokes (Fig. 13). The red end of the bar should be covered by the blade plate.
- 2. Align the cams (see Fig. 9).
- 3. Place new blade into the housing and squeeze the yoke to drop it into place (see Fig. 12).
- 4. Rotate the blade so that it drops past the lower cam (see Fig. 11).
- 5. Install the four (4) blade screws. Torque screws to **10-15 in-lbs.**

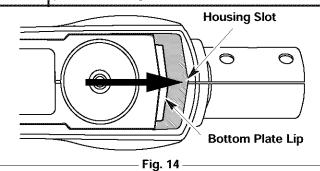


— Fig. 13 -

- Install the bottom plate lip into the slot of the housing (Fig. 14). Install the two (2) bottom plate screws. Torque screws to 10-15 in•lbs.
- **NOTE:** If binding occurs after replacing the blade assembly, repeat the steps under **Removing Blade and Installing Blade.**

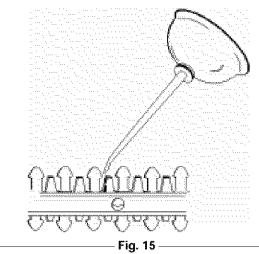


WARNING: When servicing, use only identical OEM replacement parts. Use of any other parts may create a hazard or cause product damage.



LUBRICATING BLADE

- For easier operation and longer blade life, lubricate the hedge trimmer attachment blade before and after each use. Before lubricating, be sure the switch is in the OFF position on the powerhead. Apply light machine oil along the edge of the top strap (Fig. 15).
- 2. Occasionally, you should oil your hedge trimmer attachment during use. Before oiling, stop hedge trimmer, then oil. You then can resume trimming. Do not oil while hedge trimmer attachment is running.
- **NOTE:** Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents, and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.
- **NOTE:** Only the parts shown on the parts list are intended to be repaired or replaced by the customer.



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

Replacement Blade
Blade Screws (4 required)
Loop Handle Assembly
(4 screws, 4 nuts)
Bottom Plate
Bottom Plate Screws (2 required)

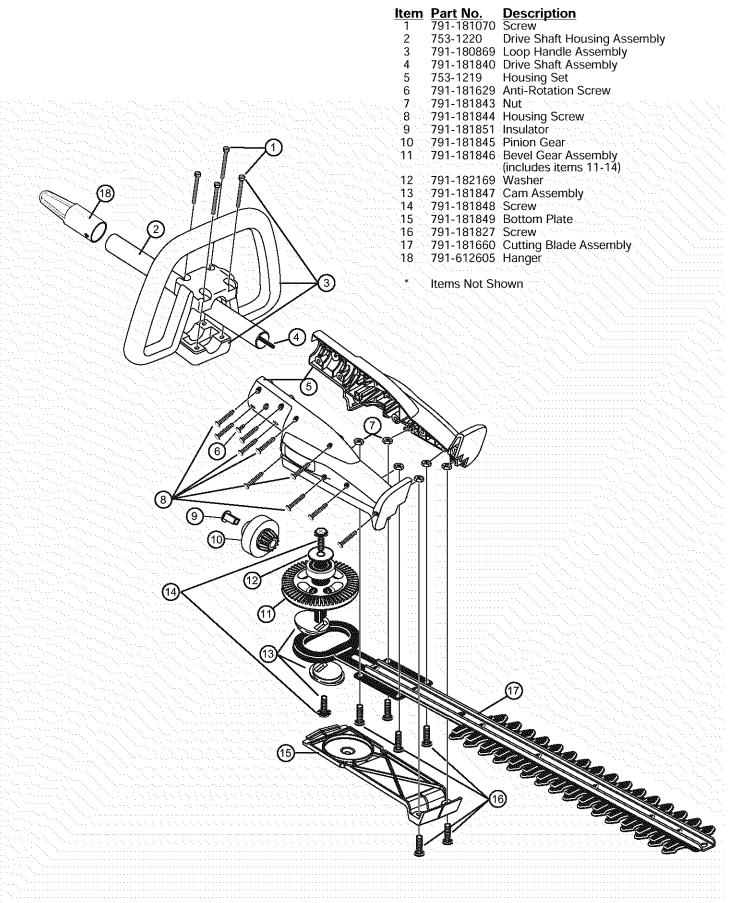
Use only original genuine factory replacement parts.

SPECIFICATIONS

CUTTING HEAD

Attachment Weight 4.6 lbs (2.10 kg)
Cutting Mechanism
Blade Length
Drive Shaft HousingSteel Tube

REPLACEMENT PARTS - MODEL TBHS HEDGE TRIMMER ADD-ON PPN 41AJHS-C063



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, 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