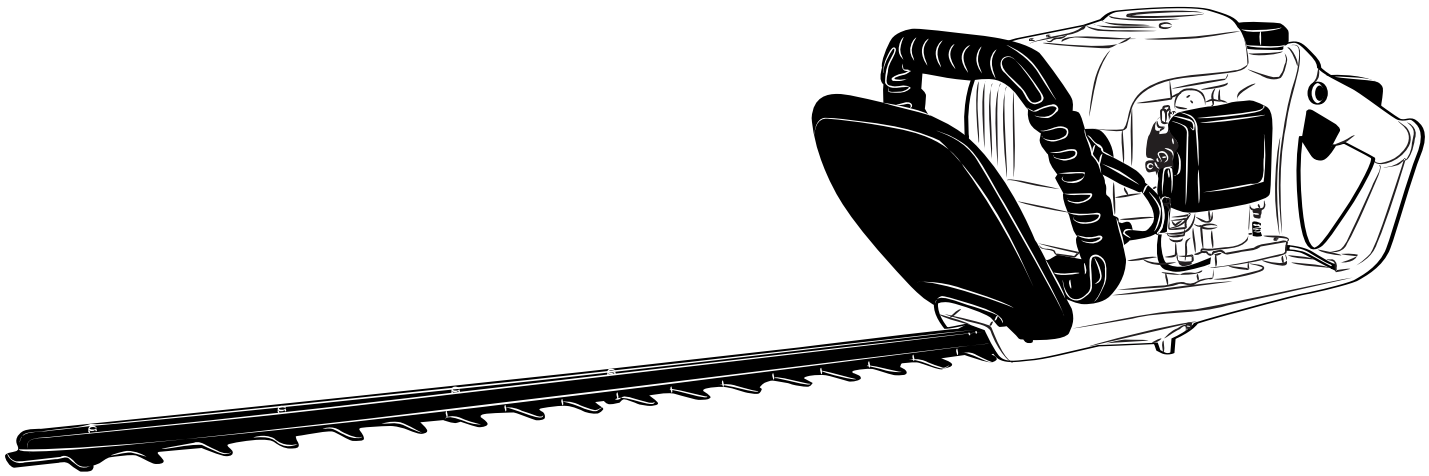
For Parts Call 606-678-9623 or 606-561-4983

TROY-BILT®

Operator's Manual

Pulls Easy. Starts Fast.
Spring Assist™ Starting

2-Cycle
GAS HEDGE TRIMMER
Model TB25GHT



CAUTION: Before using this product, read this manual and follow all safety rules and operating instructions.

- SAFETY
- ASSEMBLY
- OPERATION
- MAINTENANCE
- PARTS LIST

P/N 9096-MD2001
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TABLE OF CONTENTS

Warranty	Page 2	Maintenance	Pages 12 - 15
Safety Rules	Pages 3 - 7	Troubleshooting	Page 16
Oil and Fuel information	Page 8	Specifications	Page 17
Starting / Stopping instrustion	Pages 9 - 10	Parts List	Page 18
Trimmer Instructions	Page 11		

WARRANTY STATEMENT

TWO YEAR LIMITED WARRANTY ON TROY BILT HEDGE TRIMMER

For two years from the date of purchase, when this Hedge trimmer is used and maintained according to the operator's manual, Troy Bilt will repair any defect in material or workmanship free of charge.

This warranty excludes the spark plug and air filter, which are expendable parts that can wear out from normal use in less than two years.

If this Hedge trimmer is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THIS HEDGE TRIMMER TO THE NEAREST TROY BILT REPAIR CENTER IN THE UNITED STATES. CALL 1-800-520-5520 FOR LOCATIONS.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

CALIFORNIA PROPOSITION 65 WARNING

WARNING

THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SPARK ARRESTOR NOTE

NOTE: For users on U.S. Forest Land and in the states of California, Maine, Oregon and Washington. All U.S. Forest Land and the state of California (Public Resources Codes 4442 and 4443), Oregon and Washington require, by law that certain internal combustion engines operated on forest brush and/or grass-covered areas be equipped with a spark arrestor, maintained in effective working order, or the engine be constructed, equipped and maintained for the prevention of fire. Check with your state or local authorities for regulations pertaining to these requirements. Failure to follow these requirements could subject you to liability or a fine. **This unit is factory equipped with a spark arrestor**. If it requires replacement, ask a Troy Bilt or other qualified service dealer to install the **Spark Arrestor Kit.**

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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
	SAFETY ALERT: 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.

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.

SYMBOL	MEANING
	DANGER: Failure to obey a safety warning may 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 INSTRUCTIONS •

READ ALL INSTRUCTIONS BEFORE OPERATING

- Read the instructions carefully. Be familiar with the controls and proper use of the unit.

WARNING: When using the unit, you must follow the safety rules. Please read these instructions before operating the unit in order to ensure the safety of the operator and any bystanders. Please keep these instructions for later use.

- Do not operate this unit when tired, ill, or under the influence of alcohol, drugs, or medication.
- Children must not operate the unit. Teens must be accompanied and guided by an adult.
- All guards and safety attachments must be installed properly before operating the unit.
- Inspect the unit before use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and secure. Replace parts that are cracked, chipped, or damaged in any way. Do not operate the unit with loose or damaged parts.
- Carefully inspect the area before starting the unit. Remove all debris and hard or sharp objects such as glass, wire, etc.
- Clear the area of children, bystanders, and pets. At a minimum, keep all children, bystanders, and pets outside a 50 feet (15 m.) radius; there still may be a risk to bystanders from thrown objects. Bystanders should be encouraged to wear eye protection. If you are approached, stop the unit immediately.

FUEL SAFETY WARNINGS

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 material.
- Avoid creating a source of ignition for spilled fuel. Do not start the engine until fuel vapors dissipate.
- 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.
- Add fuel in a clean, well-ventilated outdoor area 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. Always wipe unit dry before using.
- 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.

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RULES FOR SAFE OPERATION

WHAT TO DO

READ YOUR USER MANUAL AND ALL SUPPLEMENTS (IF ANY ENCLOSED) THOROUGHLY BEFORE OPERATING YOUR UNIT.

1. 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, or safety glasses for eye protection and a good grade of ear plugs or other sound barriers for hearing protection.
2 REFUEL IN A SAFE PLACE. Open fuel cap slowly to release any pressure which may have formed in fuel tank. To prevent a fire hazard, move at least 30 feet (9.1 meters) from fueling area before starting.
3. COMPLY WITH ALL FIRE PREVENTION REGULATIONS. COMPLIANCE WITH ALL LOCAL, STATE, OR FEDERAL LAWS IN THE UNITED STATES IS THE USER'S RESPONSIBILITY. Your unit comes with a spark arrester screen furnished in the user kit. Replacement spark arrester screen kits are available at your nearest Troy Bilt Authorized Service Center. Call 1-800-520-5520 fro nearest location.
4. TURN UNIT OFF before setting it down.
5. ALWAYS HOLD UNIT FIRMLY WITH BOTH HANDS, the thumb and fingers encircling the handles.
6. KEEP ALL SCREWS AND FASTENERS TIGHT. Never operate this equipment if it is improperly adjusted or not completely and securely assembled.
7. KEEP HANDLES DRY, clean and free of fuel mixture.
8. CHECK AREA YOU WILL BE TRIMMING FOR DEBRIS that may be struck or thrown during operation.
9. KEEP ALL PARTS OF YOUR BODY AND CLOTHING AWAY FROM TRIMMER BLADES when starting or running engine. Before starting engine, make sure trimmer blades will not come in contact with any obstacle.
10. STOP ENGINE before examining trimmer blades.
11. STORE EQUIPMENT AWAY FROM POSSIBLE IGNITION SOURCES, such as gas-powered water heaters, clothes dryers, or oil-fired furnaces, portable heaters, etc.
12. ALWAYS KEEP THE BLADE GUIDES AND BLADES FREE OF DEBRIS BUILD-UP. Turn ignition switch to OFF position and remove spark plug boot to avoid any chance of accidental starting before cleaning blades or performing any mainenance.
13. OPERATION OF EQUIPMENT should always be restricted to mature and properly instructed individuals.

WHAT NOT TO DO

1. DO NOT USE ANY OTHER FUEL 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 engine will result, voiding manufacturer's warranty.
2. DO NOT SMOKE while refueling or operating equipment.
3. DO NOT OPERATE UNIT WITHOUT A MUFFLER and properly installed muffler shield.
4. DO NOT TOUCH or let your hands or body come in contact with the muffler. Hold unit with thumbs and fingers encircling the handles.
5. DO NOT OPERATE UNIT IN AWKWARD POSITIONS, off balance, outstretched arms, or one-handed. Always use two hands when operating.

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RULES FOR SAFE OPERATION

HEDGE TRIMMER SAFETY RULES

1. The Hedge Trimmer must not be used by anyone under the age of 16.
2. Keep children, other people and pets away from the trimmer.
3. Always dress properly. Don't wear loose clothing or jewelry; they can be caught in moving parts. Use of gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
4. Use face or dust mask if operation is dusty.
5. Do not use the trimmer if the cutting device is not secured properly or is damaged.
6. Before starting the trimmer, make sure that the cutting blade is not touching stones or debris.
7. When the trimmer is in operation, keep the cutting section away from all parts of the body.
8. Do not cut against hard objects. This could cause injury or damage the trimmer.
9. Only cut during broad daylight or with corresponding artificial light.
10. When the trimmer is not in use, store it in a dry place and out of the reach of children.
11. Never use the trimmer when it is raining. Try to prevent it from getting wet or being exposed to humidity. Do not leave it outside overnight. Do not cut damp or wet bushes.
12. Do not attempt to remove cut material or hold material to be cut when blades are moving. Make sure trimmer switch is off when clearing jammed material from blades. Do not grasp the exposed cutting blades or cutting edges when picking up or holding the hedge trimmer.
13. Don't force hedge trimmer, it will do the job better and with less likelihood of risk of injury at the rate for which it was designed.
14. Stay alert, watch what you are doing. Use common sense. Do not operate hedge trimmer when you are tired.
15. Maintain hedge trimmer with care, keep cutting blades sharp and clean for best performance and to reduce the risk of injury. Keep handles dry, clean and free from oil and grease.

SPECIAL NOTE: Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swelling. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands or joints, discontinue use of this tool and seek medical attention. An anti-vibration system does not guarantee avoidance of these problems. Users who operate power tools on a regular basis must closely monitor their physical condition and the condition of this tool.

SAVE THESE INSTRUCTIONS

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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.
	• **READ OPERATOR'S MANUAL** **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.
	• **WEAR EYE, HEARING AND HARD-HAT PROTECTION** **WARNING:** Thrown objects and loud noise can cause severe eye injury and hearing loss. Wear eye protection meeting ANSI Z87.1-1989 standards and ear protection when operating this unit. Wear a hard hat. Use a full face shield when needed.
	• **MINIMUM OPERATING DISTANCE** **WARNING:** Keep children, bystanders, and animals 50 feet (15 meters) away. If approached stop unit immediately.
	• **DO NOT USE IN THE RAIN** **WARNING:** Avoid dangerous environments. Never operate your unit in the rain, or in damp or wet conditions. Moisture is a shock hazard.

SYMBOL	MEANING
	• **PRIMER BULB** Pump the primer bulb 10 times.
	• **UNLEADED FUEL** Always use clean, fresh unleaded fuel.
	• **OIL** Refer to operator's manual for the proper type of oil.
	• **ON/OFF CONTROL** ON / START / RUN
	• **ON/OFF CONTROL** OFF OR STOP
	• **BLUE CHOKE LEVER POSITIONS** **1 • FULL** Choke Position **2 • PARTIAL** Choke Position **3 • RUN** Position

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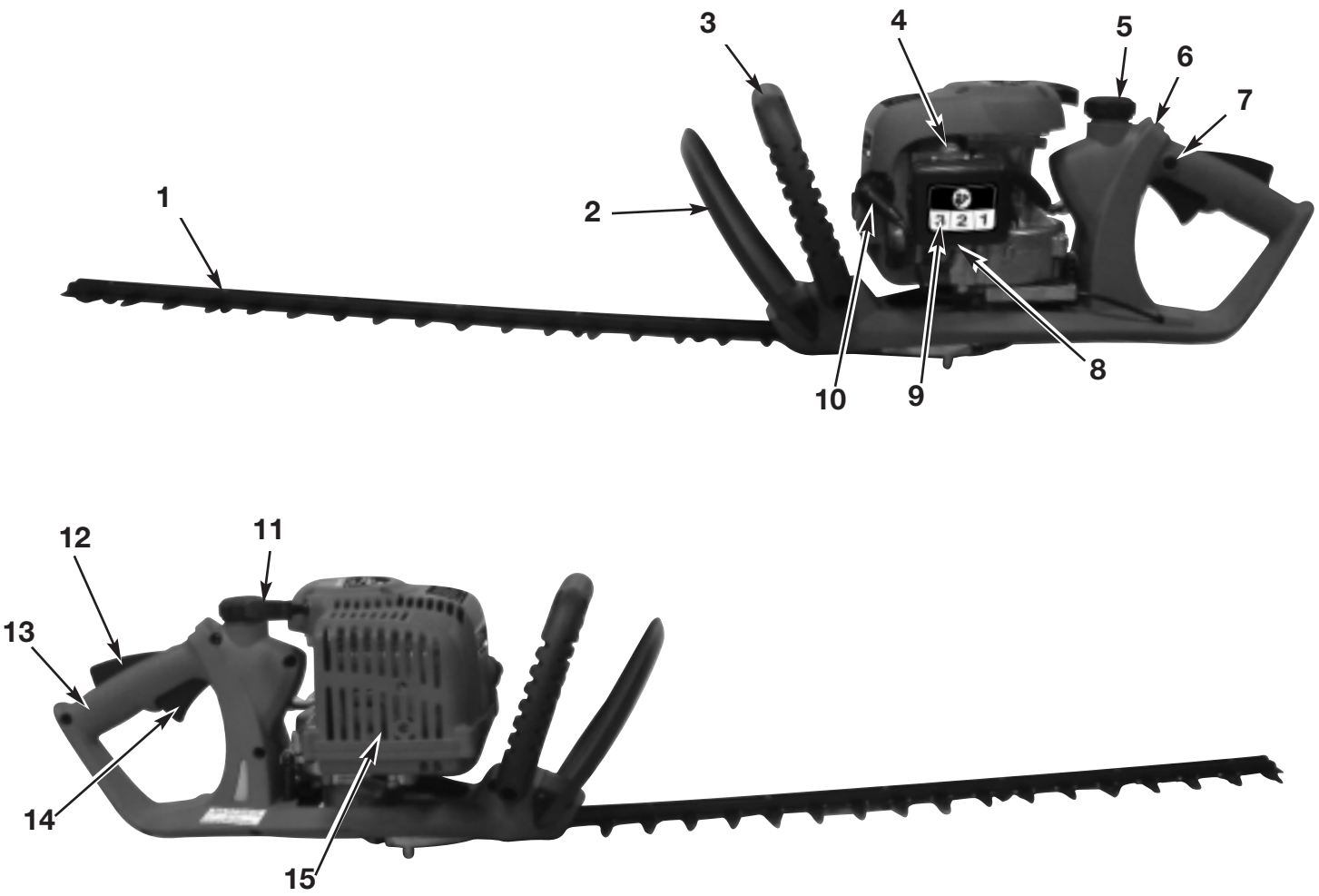
RULES FOR SAFE OPERATION

KNOW YOUR HEDGE TRIMMER



HEDGE TRIMMER COMPONENTS

1. Blades
2. Safety Guard
3. Front Handle
4. Primer Bulb
5. Fuel Cap
6. ON-OFF Switch
7. Throttle Lock
8. Choke Lever
9. Air Filter Cover
10. Spark Plug
11. Starter Handle
12. Safety Switch
13. Rear Handle
14. Throttle Trigger
15. Muffler Cover

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OIL AND FUEL INFORMATION

OIL AND FUEL MIXING INSTRUCTIONS

Old and/or improperly mixed fuel are the main reasons for the unit not running properly. Be sure to use fresh, (less than 30 days old) clean unleaded fuel. Follow the instructions carefully for the proper fuel/oil mixture.

Definition of Blended Fuels

Today's fuels are often a blend of gasoline and oxygenates such as ethanol, methanol, or MTBE (ether). Alcohol-blended fuel absorbs water. As little as 1% water in the fuel can make fuel and oil separate and leads to formation of acids during storage. When using alcohol-blended fuel, use fresh fuel.

Using Blended Fuels

If you choose to use a blended fuel, or its use is unavoidable, follow recommended precautions:

- Always use the fresh fuel mix explained in your operator's manual
- Always agitate the fuel mix before fueling the unit
- Drain the tank and run the engine dry before storing the unit

Using Fuel Additives

The bottle of 2-cycle oil that came with your unit contains a fuel additive which will help inhibit corrosion and minimize the formation of gum deposits. It is recommended that you use our 2-cycle oil with this unit.

If unavailable, use a good 2-cycle oil designed for air-cooled engines along with a fuel additive, such as STA-BIL® Gas Stabilizer or an equivalent. Add 0.8 oz. (23 ml.) of fuel additive per gallon of fuel according to the instructions on the container. NEVER add fuel additives directly to the unit's fuel tank.

CAUTION: For proper engine operation and maximum reliability, pay strict attention to the oil and fuel mixing instructions on the 2-cycle oil container. Using improperly mixed fuel can severely damage the engine.

To Obtain Correct Fuel Mix:

Thoroughly mix the proper ratio of 2-cycle engine oil with unleaded gasoline in a separate fuel can. Use a 40:1 fuel/oil ratio. Do not mix them directly in the engine fuel tank. See the table below for specific gas and oil mixing ratios.

NOTE: One gallon (3.8 liters) of unleaded gasoline mixed with one 3.2 oz. (95 ml.) bottle of 2-cycle oil makes a 40:1 fuel/oil ratio.

+

UNLEADED GAS	2 CYCLE OIL
1 GALLON US (3.8 LITERS)	3.2 FL. OZ. (95 ml)
1 LITER	25 ml

MIXING RATIO - 40:1

WARNING: Gasoline is extremely flammable. Ignited Vapors may explode. Always stop the engine and allow it to cool before filling the fuel tank. Do not smoke while filling the tank. Keep sparks and open flames at a distance from the area.

WARNING: Remove fuel cap slowly to avoid injury from fuel spray. Never operate the unit without the fuel cap securely in place.

WARNING: Add fuel in a clean, well ventilated outdoor area. Wipe up any spilled fuel immediately. Avoid creating a source of ignition for spilled fuel. Do not start the engine until fuel vapors dissipate.

NOTE: Dispose of the old fuel/oil mix in accordance to Federal, State and Local regulations.

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STARTING/STOPPING INSTRUCTIONS

STARTING A COLD ENGINE (Above 55˚F)

Mix the bottle of **2-cycle oil** (included) with 1 gallon of unleaded **gasoline** (less than 30 days old). Combine them in a **separate container** using a **40:1 ratio**. Pour into fuel tank.

1. Move on/off ignition switch to the "RUN (I) " position. (Figure 1)
2. Your unit is designed with a 3 position choke: FULL CHOKE "1", PARTIAL CHOKE "2", and RUN "3". Move choke lever to FULL CHOKE "1" position. (Figure 2)
3. Prime the carburetor. Pump the primer bulb (A) 10 times (Figure 3).
4. Set throttle advance by squeezing trigger and at the same time depressing throttle lock (B). (Figure 4)
5. With the unit on the ground, hold the front handle and step on the bottom of the frame with foot. Pull starter rope 3 times. (Figure 5)

NOTE: The unit uses the **Spring Assist™** starting system, which significantly reduces the effort required to start the engine. You must pull the starter rope out far enough to hear the engine attempt to start. There is no need to pull the rope briskly--there is no harsh resistance when pulling. Be aware that this starting method is vastly different from (and much easier than) what you may be used to.

6. Move choke lever to PARTIAL CHOKE "2" position then pull starter rope 4 times (Figure 6) Engine should start.
7. After engine starts move the choke lever to RUN "3" position. Warm up **30 seconds** in idle then depress trigger. (Figure 7)
8. If engine fails to start, repeat steps 1 through 6.

NOTE: If engine fails to start after repeated attempts, refer to Troubleshooting section.

NOTE: Always pull starter rope straight out. Pulling 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 starter handle when rope retracts. Never allow rope to snap back from extended position. This could cause rope to snag or fray and also damage the starter assembly.

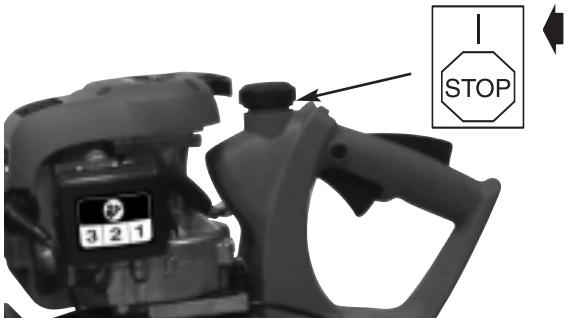

Fig. 1

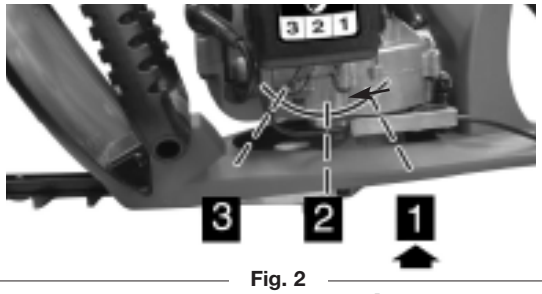

Fig. 2

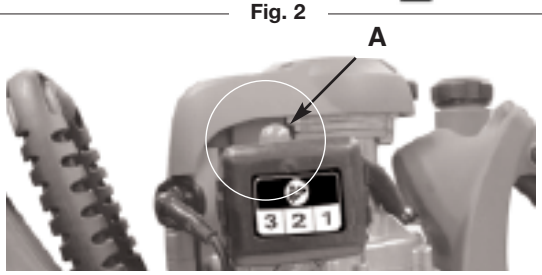

Fig. 3

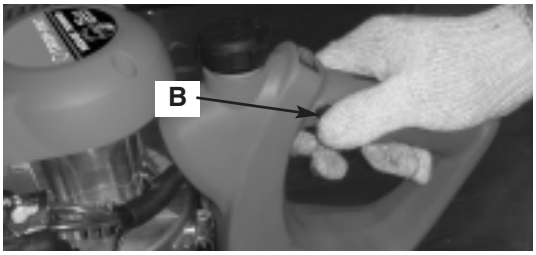

Fig. 4

Fig. 5

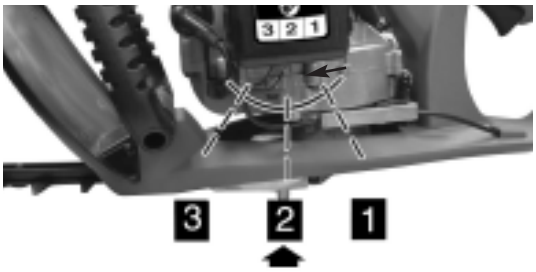

Fig. 6

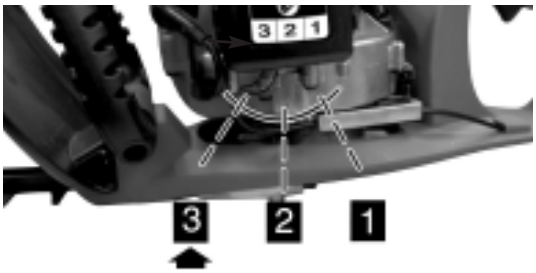

Fig. 7

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STARTING/STOPPING INSTRUCTIONS

WARM ENGINE START

1. Move ignition switch to the “RUN (I)” position.
2. Place choke in PARTIAL CHOKE “2” position (Figure 8).
3. Grasp throttle handle firmly, depress safety trigger, and squeeze throttle trigger to FULL position.
4. Pull starter rope briskly until engine starts, but no more than 6 times. Keep throttle at FULL position until engine runs smoothly. Move choke lever to “3” position.
5. If engine does not start, place choke lever in RUN “3” position and pull starter rope 5 more times. If engine still does not start it is probably flooded. Wait 5 minutes and repeat procedure with choke lever in RUN “3” position and throttle full open.

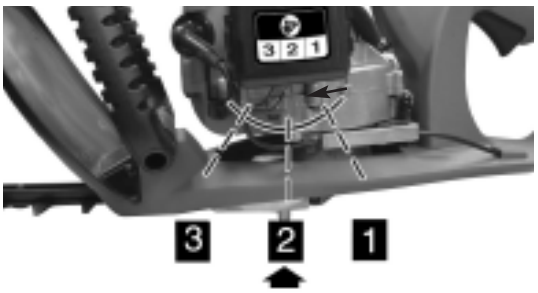

Fig. 8

IDLING/CARBURETOR ADJUSTMENT

1. Occassionally, due to atmospheric conditions such as altitude it might be necessary to make slight adjustment to idle speed.
2. Insert phillips or flat screwdriver into access hole A (figure 9). Turn 1/8 turn clockwise to increase idle speed and 1/8 turn counterclockwise to decrease idle speed.

Fig. 9

STOPPING THE ENGINE

Emergency Stopping Procedure. When it is necessary to stop engine immediately, DEPRESS the OFF “STOP” switch until the engine stops completely (Figure 10).

Normal Stopping Method. For normal stopping, release trigger and allow engine to return to idle speed. Then DEPRESS the OFF “STOP” switch until the engine stops completely. (Figure 10)

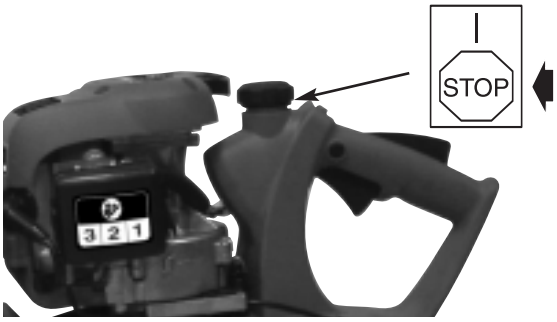

Fig. 10

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TRIMMING INSTRUCTIONS

ADDITIONAL SAFETY PRECAUTIONS

Before operating your unit, review ALL SAFETY PRECAUTIONS in this manual.

WARNING / CAUTION

- IF UNFAMILIAR WITH TRIMMING techniques, practice the procedures with ENGINE in “OFF” position.
- ALWAYS CLEAR WORK area of debris such as cans, bottles, rocks, etc. Striking objects can cause serious injury to operator or bystanders and also damage equipment. If an object is accidentally hit, immediately TURN ENGINE OFF and examine equipment. Never operate unit with damaged or defective equipment.
- ALWAYS TRIM OR CUT AT HIGH ENGINE SPEEDS. Do not run engine slowly at start or during trimming operations.
- DO NOT use equipment for purposes other than trimming.
- DO NOT operate unit with other people or animals in the immediate vicinity. Allow a minimum of 50 feet (15 meters) between operator and other people and animals when trimming.

TRIMMING INSTRUCTIONS

1. **WORKING POSITION.** Maintain proper footing and balance and do not overreach. Wear safety goggles, non-skid footwear and gloves when trimming. Hold the tool firmly in both hands and turn the tool ON. Always hold the trimmer, as shown in the illustrations, with one hand on the body handle and one hand on the front handle. Never hold the tool by the blade guard.
2. **TRIMMING NEW GROWTH.** A wide, sweeping motion, feeding the blade teeth through the twigs is most effective. A slight downward tilt of the blade, in the direction of motion gives the best cutting. (Fig. 11)
3. **LEVEL HEDGES.** To obtain exceptionally level hedges, a piece of string can be stretched along the length of the hedge as a guide.

CAUTION: Do not use the trimmer for cutting stems greater than 3/4”. Use the trimmer only for cutting normal shrubbery found around houses and buildings.

Fig. 11

4. **SIDE-TRIMMING HEDGES.** Hold the trimmer as shown and begin at the bottom and sweep up. (Fig. 12)

Fig. 12

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MAINTENANCE AND REPAIR INSTRUCTIONS

MAINTENANCE SCHEDULE

Perform these required maintenance procedures at the frequency stated in the table. These procedures should also be a part of any seasonal tune-up.

NOTE: Maintenance, replacement, or repair of the emission control devices and system may only be performed by a Troy Bilt or other qualified service dealer.

WARNING: To prevent serious injury, never perform maintenance or repairs with unit running. Always service and repair a cool unit. Disconnect the spark plug wire to ensure that the unit cannot start.

A good preventive maintenance program of regular inspection and care will increase life and improve performance of your trimmer. This maintenance checklist is a guide for such a program.

Cleaning, adjustment, and part replacement may be required, under certain conditions, at more frequent intervals than those indicated.

CUSTOMER RESPONSIBILITY

MAINTENANCE CHECKLIST		EACH USE	HOURS OF OPERATION	
ITEM	ACTION		10	20
SCREWS / NUTS / BOLTS	INSPECT / TIGHTEN	✔		
AIR FILTER	CLEAN OR REPLACE		✔	
FUEL FILTER	REPLACE			✔
SPARK PLUG	CLEAN / ADJUST / REPLACE			✔
SPARK ARRESTER SCREEN	INSPECT	✔		
	REPLACE		✔	
FUEL HOUSE	INSPECT	✔		
	REPLACE AS REQUIRED			
BLADE	INSPECT	✔		
	REPLACE AS REQUIRED			

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MAINTENANCE AND REPAIR INSTRUCTIONS

CLEANING TRIMMER BLADES

Trimmer blades should be cleaned periodically to remove sap and accumulated debris.

To Clean Blades:

1. Turn ignition switch to "**STOP**" position. Remove spark plug boot.

> **CAUTION :** DO NOT loosen the bolts or nuts retaining the blades to the bar. This operation is intended to be performed by a Troy Bilt Authorized Service Center.

2. Wash blades with kerosene. Use a stiff bristle brush to remove dirt, debris or sap that has accumulated on blades.
3. Reinstall spark plug boot.

> **CAUTION :** DO NOT OIL or lubricate trimmer blades. It is important that blades have complete running freedom.

4. The cutting blades are made from high quality, hardened steel and with normal usage, they will not require resharpening. However, if you accidentally hit a wire fence, stones, glass or other hard objects, you may put a nick in the blade. There is no need to remove this nick as long as it does not interfere with the movement of the blade. If it does interfere, use a fine toothed file or sharpening stone to remove the nick.
5. If you drop the trimmer, carefully inspect it for damage. If the blade is bent, housing cracked, or handles broken or if you see any other condition that may affect the trimmer's operation contact a professional service center for repairs before putting it back into use.
6. Do not store unit near fertilizers as they contain corosives that may cause the blade to rust more rapidly.

AIR FILTER

> **CAUTION:** NEVER operate hedge trimmer without the air filter. The air filter must be kept clean. If it becomes damaged, install a new filter.

To Clean Air Filter:

1. Remove cover (A) by depressing clip on front of cover and lift filter (B) from air box (Figure 13 & Figure 14).
2. Wash filter in soap and water. **DO NOT USE GASOLINE!**
3. Air dry filter and cover.
4. Reinstall filter.

NOTE: Replace filter if frayed, torn, damaged or unable to be cleaned.

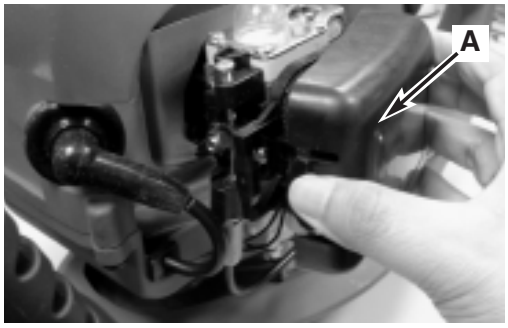

Fig. 13

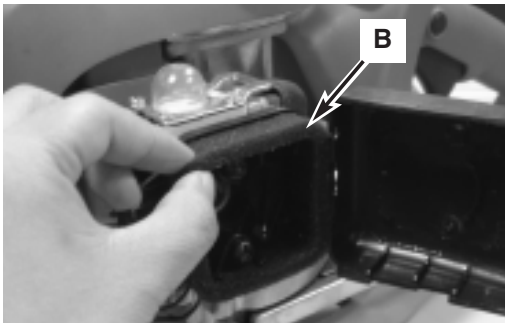

Fig. 14

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MAINTENANCE AND REPAIR INSTRUCTIONS

FUEL CAP / FUEL FILTER

CAUTION: Remove fuel from unit and store in approved container before starting this procedure. Open fuel cap slowly to release any pressure which may have formed in fuel tank.

Fuel Filter:

1. Completely remove fuel cap (A) from fuel tank (B) to be able to remove fuel filter (D) from tank. Use a piece of wire (C) with a hook formed at the end to pull filter out of tank. (Figure 15 & Figure 16)
2. Pull filter (D) off with a twisting motion.
3. Replace fuel filter (D). (Figure 17)

NOTE: Never operate the hedge trimmer without the fuel filter. Internal engine damage could result!

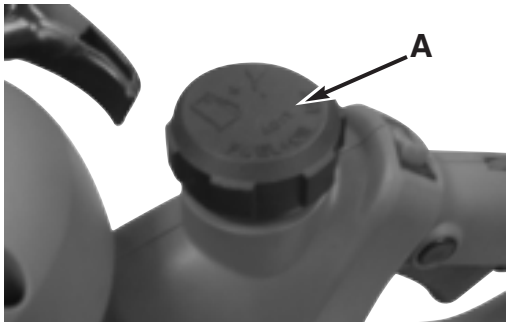

Fig. 15

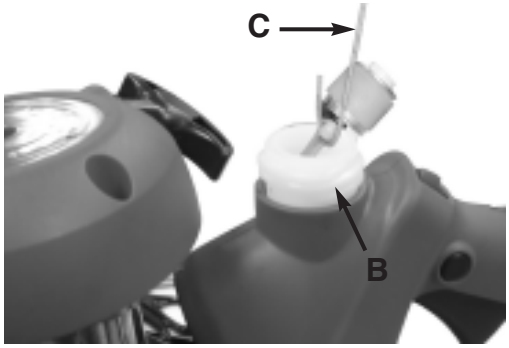

Fig. 16

Fig. 17

IDLE ADJUSTMENT

The carburetor was pre-set at the factory for optimum performance. If further adjustments are necessary take your hedge trimmer to a Troy Bilt or other qualified service dealer.

SPARK PLUG

1. To remove spark plug (B) (Fig. 19) for cleaning or replacement: make sure engine is off, spark plug is cool, then grasp spark plug boot firmly and remove from spark plug. Remove spark plug with correct spark plug tool. Inspect, clean or replace as needed.
2. Spark plug gap = .025" (.635mm) (Figure 18).
3. Torque to 120 inch pounds (12 to 15 N•m). Connect spark plug boot.
4. If needed, replace spark plug with spark plug RDJ7Y or equivalent.

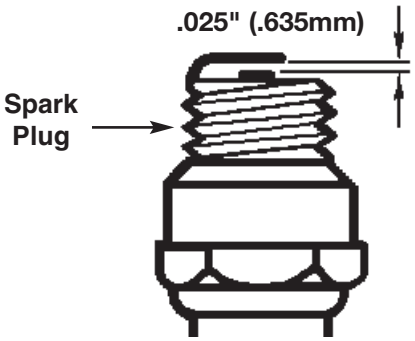

Fig. 18

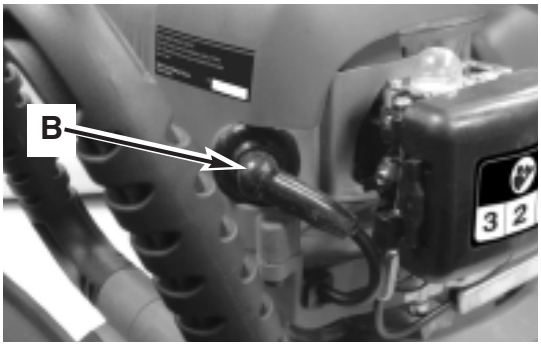

Fig. 19

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MAINTENANCE AND REPAIR INSTRUCTIONS

STORING A UNIT

Failure to follow these steps may cause varnish to form in the carburetor and difficult starting or permanent damage following storage.

1. Perform all the general maintenance recommended in the Maintenance Section of your User Manual.
2. Clean outside surface of unit.
3. Drain fuel from the fuel tank.
4. After fuel is drained, start engine.
5. Run engine at idle until unit stops. This will purge the carburetor of fuel.
6. Allow engine to cool (approx. 5 minutes).
7. Using a spark plug wrench, remove the spark plug.
8. Pour 1 teaspoon of clean 2-cycle oil into the combustion chamber. Pull starter rope slowly several times to coat internal components. Replace spark plug.
9. Store unit 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 spark plug.
2. Pull starter rope briskly to clear excess oil from combustion chamber.
3. Clean and gap spark plug or install a new spark plug with proper gap.
4. Prepare unit for operation.
5. Fill fuel tank with proper fuel / oil mixture. See Fuel and Lubrication Section.

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TROUBLESHOOTING

UNIT WON'T START OR STARTS BUT WILL NOT RUN

CAUSE	ACTION
1. Incorrect starting procedures	1. Follow instructions in the Starting/Stopping section
2. Incorrect carburetor mixture adjustment setting	2. Have carburetor adjusted by a Troy Bilt or other qualified service dealer
3. Fouled spark plug	3. Clean/gap or replace plug
4. Empty fuel tank	4. Fill fuel tank with properly mixed fuel
5. Primer bulb was not pressed enough	5. Press primer bulb fully and slowly 10 times

UNIT STARTS, BUT ENGINE HAS LOW POWER

CAUSE	ACTION
1. Fuel filter is plugged	1. Replace the fuel filter
2. Incorrect choke lever position	2. Move choke to Position 3
3. Dirty spark arrestor screen	3. Replace spark arrestor screen
4. Dirty air filter	4. Remove, clean and reinstall filter
5. Incorrect carburetor mixture adjustment setting	5. Have carburetor adjusted by a Troy Bilt or other qualified service dealer

ENGINE HESITATES

CAUSE	ACTION
1. Incorrect carburetor mixture adjustment setting	1. Have carburetor adjusted by a Troy Bilt or other qualified service dealer
2. Air filter is plugged	2. Replace or clean the air filter
3. Old or improperly mixed fuel	3. Drain gas tank/add fresh fuel mixture

NO POWER UNDER LOAD

CAUSE	ACTION
1. Incorrect carburetor mixture adjustment setting	1. Have carburetor adjusted by a Troy Bilt or other qualified service dealer
2. Old or improperly mixed fuel	2. Drain gas tank (see Storage) add fresh fuel mixture
3. Air filter is plugged	3. Replace or clean the air filter
4. Fouled spark plug	4. Replace or clean the spark plug

RUNS ERRATICALLY

CAUSE	ACTION
1. Incorrectly gapped spark plug	1. Clean/gap or replace plug
2. Plugged spark arrestor	2. Clean or replace spark arrestor
3. Dirty air filter	3. Clean or replace air filter

SMOKES EXCESSIVELY

CAUSE	ACTION
1. Incorrect carburetor mixture adjustment setting	1. Have carburetor adjusted by a Troy Bilt or other qualified service dealer
2. Incorrect fuel mixture	2. Use properly mixed fuel (40:1 mixture)

NOTE: For repairs beyond the minor adjustments listed above, contact your nearest Troy Bilt Parts & Repair center at (1-800-520-5520) or other qualified service dealer for an adjustment.

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SPECIFICATIONS

Engine Type	Air-Cooled, 2-Cycle
Displacement	25cc
Speed	3000±150 strokes/RPM
Ignition Type	Electronic
Ignition Switch	Rocker Switch
Spark Plug Gap	0.025 in. (0.635 mm)
Lubrication	Fuel/Oil Mixture
Fuel/Oil Ratio	40:1
Carburetor	with primer
Starter	Spring Assist™ Starting system
Muffler	Baffled with Guard
Fuel Tank Capacity	250ml
Blade Leghth	22” (550mm)
Max. Cutting Thickness	3/4”
Dry Weight	13.2 lbs (6.0 kg)

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PARTS LIST

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California / EPA Emission Control Warranty Statement

Your Warranty Rights and Obligations

The California Air Resources Board, The Environmental Protection Agency and Troy Bilt are pleased to explain the emission control system warranty on your 2005 and later small off-road engine. In California and the 49 states, new small off-road engines must be designed, built and equipped to meet stringent anti-smog standards. Troy Bilt must warrant the emission control system on your small off-road engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine.

Your Emission control system may include parts such as the carburetor or fuel-injection system, the ignition system, and catalytic converter. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Troy Bilt will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

The 2005 and later small off-road engines are warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by Troy Bilt.

Owner's Warranty Responsibilities

- As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your operator's manual. Troy Bilt recommends that you retain all receipts covering maintenance on your small off-road engine, but Troy Bilt cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the small off-road engine owner, you should however be aware that Troy Bilt may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.
- You are responsible for presenting your small off-road engine to a Troy Bilt authorized service center as soon as problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should call 1-800-520-5520.

Manufacturer's Warranty Coverage

- The warranty period begins on the date the engine or equipment is delivered to the retail purchaser.
- The manufacturer warrants to the initial owner and each subsequent purchaser, that the engine is free from defects in material and workmanship which cause the failure of a warranted part for a period of two years.
- Repair and replacement of warranted part will be performed at no charge to the owner at an authorized Troy Bilt service center. For the nearest location please contact Troy Bilt at: 1-800-520-5520.
- Any warranted part which is not scheduled for replacement, as required maintenance or which is scheduled only for regular inspection to the effect of "Repair or Replace as Necessary" is warranted for the period. Any warranted part which is scheduled for replacement as required maintenance will be warranted for the period of time up to the first scheduled replacement point for that part.
- The owner will not be charged for diagnostic labor which leads to the determination that a warranted part is defective if the diagnostic work is performed at an authorized Troy Bilt Service Center.
- The manufacturer is liable for damages to other engine components caused by the failure of a warranted part still under warranty.
- Failures caused by abuse, neglect or improper maintenance are not covered under warranty.
- The use of add-on or modified parts can be grounds for disallowing a warranty claim. The manufacturer is not liable to cover failures of warranted parts caused by the use of add-on or modified parts.
- In order to file a claim, go to your nearest authorized Troy Bilt Service Center. Warranty service or repairs will be provided at all authorized Troy Bilt Service Centers.
- Any manufacturer approved replacement part may be used in the performance of any warranty maintenance or repair of emission related parts and will be provided without charge to the owner. Any replacement part that is equivalent in performance or durability may be used in non-warranty maintenance or repair and will not reduce the warranty obligations of the manufacturer.
- The following components are included in the emission related warranty: engine, air filter, carburetor, primer, fuel lines, fuel pick up/fuel filter, ignition module, spark plug and muffler.

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MANUFACTURER'S LIMITED WARRANTY FOR:

TROY-BILT®

The limited warranty set forth below is given by Troy-Bilt LLC with respect to new merchandise purc hased 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 **1-800-520-5520** 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 - Starter Pulley and Starter Rope

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 **1-800-520-5520**.

Troy-Bilt LLC
P.O. Box 361131
Cleveland, OH 44136-0019

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TROY-BILT®

STOP
ALTO

For problems or questions, DO NOT return this product to the store. Contact your Customer Service Agent .

Para problemas o preguntas, NO devolver este producto a la tienda Contacte a su Agente de Servicio al Cliente.

U.S.A. Imported by:
MTD LLC
P.O. Box 361131
Cleveland, OH 44136-0019

For Consumer Assistance Please Call

Para La Ayuda Del Consumidor Llame Por Favor

U.S.A. 1-800-520-5520

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