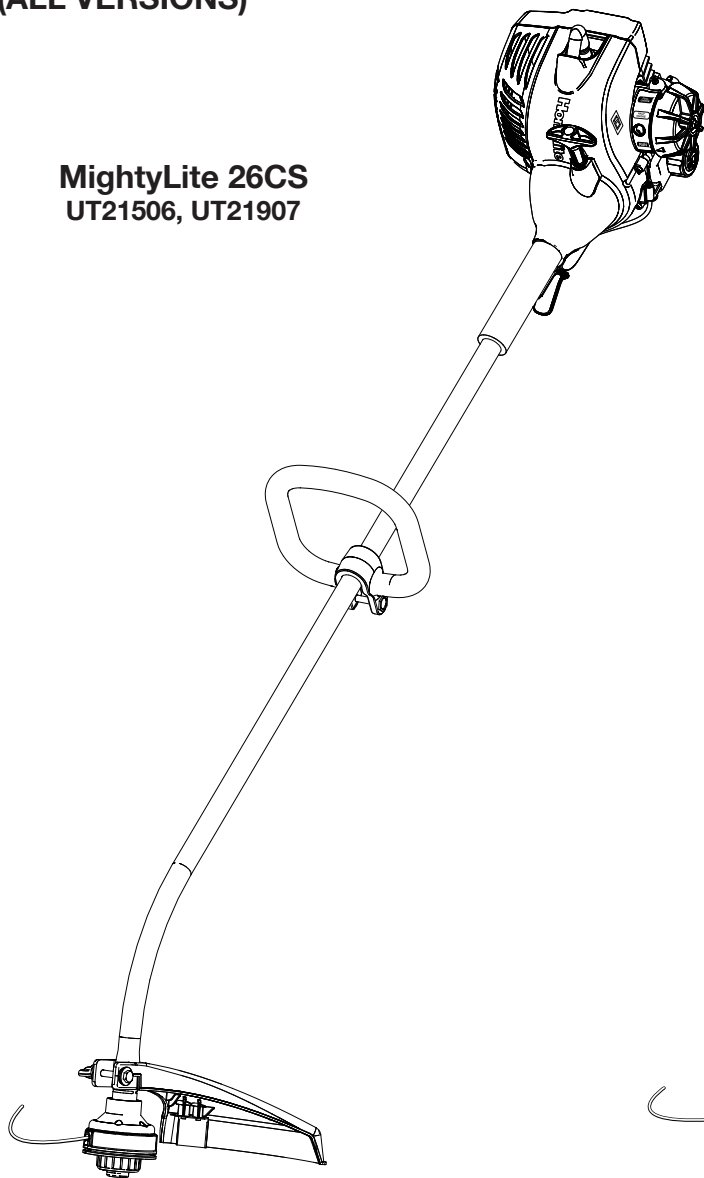


# Homelite®

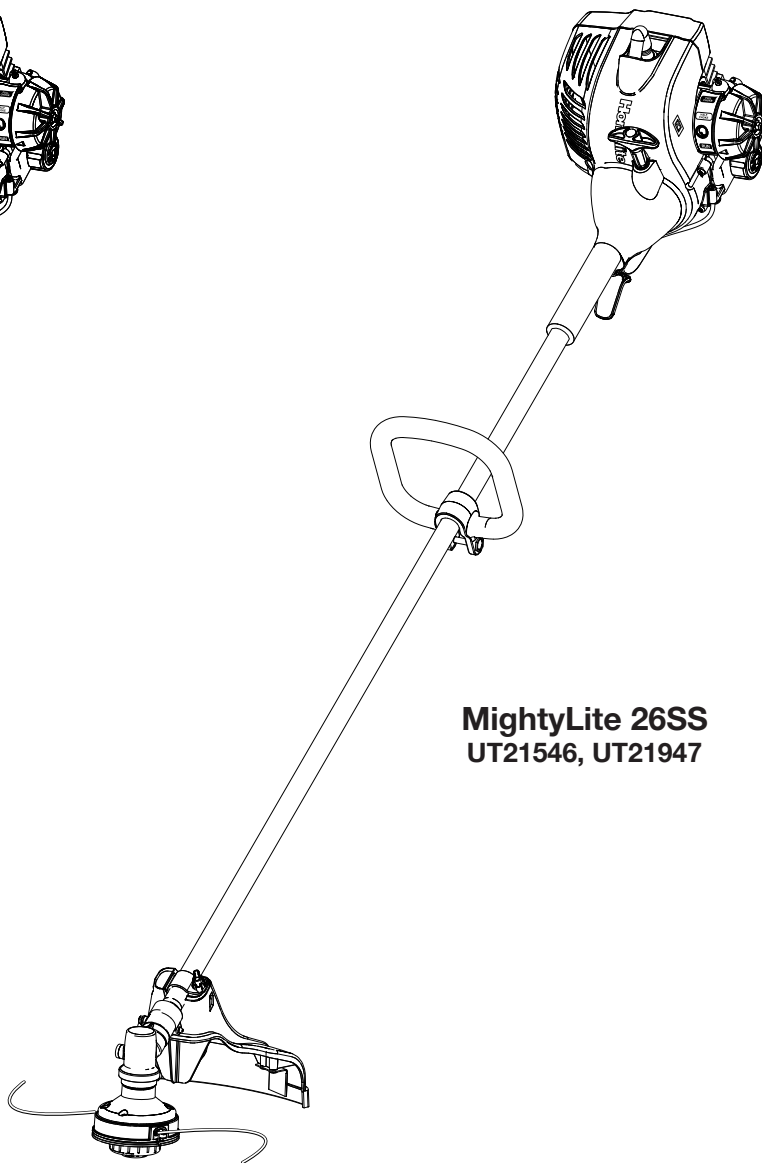
## OPERATOR'S MANUAL MightyLite 26cc String Trimmers

(ALL VERSIONS)

**MightyLite 26CS**  
UT21506, UT21907



**MightyLite 26SS**  
UT21546, UT21947



Your trimmer has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

**WARNING:** To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for your purchase.

---

**SAVE THIS MANUAL FOR FUTURE REFERENCE**

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# INTRODUCTION

This product has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

# GENERAL SAFETY RULES



## WARNING:

**Read and understand all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

## READ ALL INSTRUCTIONS

- For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions listed below, can result in serious personal injury.
- Do not allow children or untrained individuals to use this unit.
- Never start or run the engine in a closed or poorly ventilated area; breathing exhaust fumes can kill.
- Clear the work 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 cutting line or blade.
- Wear safety glasses or goggles that are marked to comply with ANSI Z87.1 standard when operating this product.
- Wear heavy, long pants, boots, and gloves. Do not wear loose fitting clothing, short pants, or go barefoot. Do not wear jewelry of any kind.
- Product users on United States Forest Service land, and in some states, must comply with fire prevention regulations. This product is equipped with a spark arrestor; however, other user requirements may apply. Check with your federal, state, or local authorities.
- Never operate this unit on the operator's left side.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Keep all bystanders, children, and pets at least 50 ft. away. Bystanders should be encouraged to wear eye protection.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Do not operate in poor lighting.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance or exposure to hot surfaces. Keep cutting attachment below waist.
- To avoid hot surfaces, never operate the unit with the bottom of the engine above waist level.

- Keep all parts of your body away from any moving part.
- Do not touch area around the muffler or cylinder of the unit; these parts get hot from operation.
- Always stop the engine and remove the spark plug wire before making any adjustments or repairs except for carburetor adjustments.
- Inspect the unit before each use for loose fasteners, fuel leaks, etc. Replace any damaged parts before use.
- The string head will rotate during carburetor adjustments.
- It has been reported that vibrations from hand-held tools may contribute to a condition called Raynaud's Syndrome in certain individuals. Symptoms may include tingling, numbness, and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking, and work practices are all thought to contribute to the development of these symptoms. It is presently unknown what, if any, vibrations or extent of exposure may contribute to the condition. There are measures that can be taken by the operator to possibly reduce the effects of vibration:
  - a) Keep your body warm in cold weather. When operating the unit wear gloves to keep your hands and wrists warm. It is reported that cold weather is a major factor contributing to Raynaud's Syndrome.
  - b) After each period of operation, exercise to increase blood circulation.
  - c) Take frequent work breaks. Limit the amount of exposure per day.
  - d) Keep the product well maintained, fasteners tightened and worn parts replaced.

If you experience any of the symptoms of this condition, immediately discontinue use and see your physician about these symptoms.

- Mix and store fuel in a container approved for gasoline. Do not smoke while fueling or mixing fuel.
- Mix fuel outdoors where there are no sparks or flames. Wipe up any fuel spillage. Move 30 ft. away from refueling site before starting engine.
- Stop the engine and allow to cool before refueling or storing the unit.
- Allow the engine to cool; empty the fuel tank and secure the unit from moving before transporting in a vehicle.

# SPECIFIC SAFETY RULES








- Replace string head if cracked, chipped, or damaged in any way. Be sure the string head or blade is properly installed and securely fastened. Failure to do so can cause serious injury.
- Make sure all guards, straps, deflectors, and handles are properly and securely attached.
- Use only the manufacturer's replacement string in the cutting head. Do not use any other cutting attachment.

To install any other brand of cutting head to this string trimmer can result in serious personal injury.

- Never operate unit without the grass deflector in place and in good condition.
- Maintain a firm grip on both handles while trimming. Keep string head below waist level. Never cut with the string head located over 30 in. or more above the ground.




# SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	EXPLANATION
	Safety Alert Symbol	Precautions that involve your safety.
	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Wear Eye and Hearing Protection	Wear eye protection which is marked to comply with ANSI Z87.1 as well as hearing protection when operating this equipment.
	Keep Bystanders Away	Keep all bystanders at least 50 ft. away.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	No Blade	Do not install or use any type of blade on a product displaying this symbol.
	Gasoline and Lubricant	Use unleaded gasoline intended for motor vehicle use with an octane rating of 87 [(R + M) / 2] or higher. This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle lubricant.

# SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	<b>DANGER:</b>	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	<b>WARNING:</b>	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	<b>CAUTION:</b>	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	<b>CAUTION:</b>	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

## SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest **AUTHORIZED SERVICE CENTER** for repair. When servicing, use only identical replacement parts.



### WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. If you do not understand the warnings and instructions in the operator's manual, do not use this product. Call Homelite customer service for assistance.



### WARNING:



The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1.

## SAVE THESE INSTRUCTIONS

# FEATURES

## PRODUCT SPECIFICATIONS

Weight (dry)

MightyLite 26CS .....7.9 lbs.

MightyLite 26SS.....8.7 lbs.

String cutting width .....17 in.

Engine displacement......26cc

String diameter......080 in.

### MIGHTYLITE 26CS

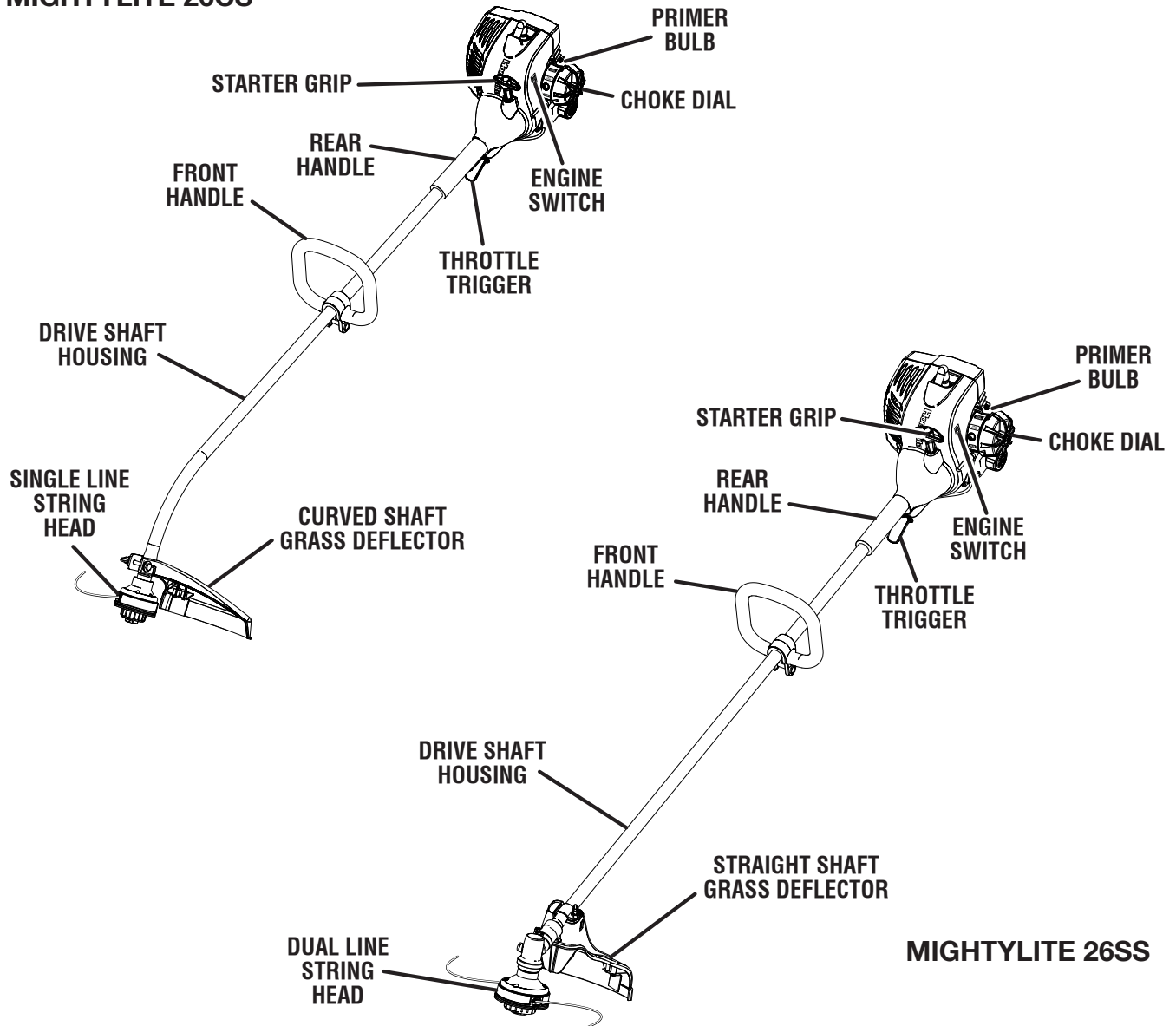


Fig. 1

# FEATURES

## **KNOW YOUR STRING TRIMMER**

*See Figure 1.*

The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

## **EZ WIND™ TAP ADVANCE SYSTEM**

The EZ Wind™ Tap Advance System allows easy line advance during trimmer operation.

## **GRASS DEFLECTOR**

The trimmer includes a grass deflector that helps protect you from flying debris.

## **TOP-MOUNTED MOTOR**

The top-mounted motor improves balance and is located away from the dust and debris of the cutting area.

# ASSEMBLY

## UNPACKING

This product requires assembly.

- Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please call 1-800-242-4672 for assistance.

## PACKING LIST

Trimmer Assembly

Front Handle

Curved Shaft Grass Deflector – MightyLite 26CS

Straight Shaft Grass Deflector – MightyLite 26SS

String Head Assembly

Bottle of 2-Cycle Lubricant

Operator's Manual

### WARNING:

If any parts are damaged or missing, do not operate this tool until the parts are replaced. Failure to heed this warning could result in serious personal injury.

### WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

### WARNING:

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

## FRONT HANDLE

See Figure 2.

- Loosen and remove the wing nut, lock washer, washer, and bolt from the handle.
- Install the handle on the drive shaft housing at the location indicated by the label on the shaft.
- Adjust handle up or down, if necessary, to desired operating position.
- Reinstall the bolt, washer, lock washer, and wing nut. Tighten wing nut to secure.

## STRING HEAD ASSEMBLY

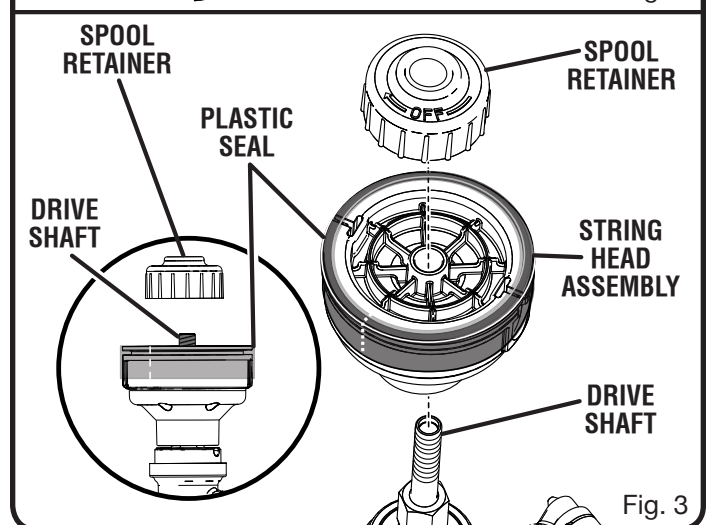
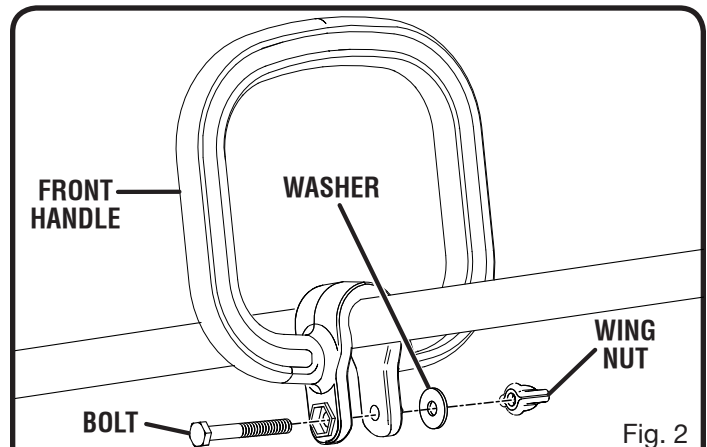
See Figures 3 - 4.

- Place the string head assembly on the end of the drive shaft housing. Make sure the hex-shaped opening on the string head assembly seats completely on the drive shaft. Install the spool retainer to secure.

### Install the spool retainer:

Turn the spool retainer clockwise for MightyLite 26CS. Turn the spool retainer counterclockwise for MightyLite 26SS.

- Remove the plastic seal from the string head assembly.





# ASSEMBLY

- **For the MightyLite 26CS:** Slide the string into the housing eyelet and pull outward to rotate the spool into the cutting position.

**For the MightyLite 26SS:** Slide strings into the housing eyelets and pull outward to rotate the spool into the cutting position.

- Push the spool retainer down while pulling on string(s) to manually advance the string and to check for proper assembly of the string head.

## CURVED SHAFT GRASS DEFLECTOR – MIGHTYLITE 26CS

See Figure 5.

### **WARNING:**

The line cutting blade on the grass deflector is sharp. Avoid contact with the blade. Failure to avoid contact can result in serious personal injury.

- Remove the bolt, washer, and wing nut from grass deflector.
- Press the grass deflector onto the bottom of the curved shaft as shown.
- Insert the bolt through the grass deflector and the bracket on the curved shaft.
- Place the washer on the bolt.
- Place the wing nut on the bolt and tighten securely.

## STRAIGHT SHAFT GRASS DEFLECTOR – MIGHTYLITE 26SS

See Figure 6.

- Remove the wing nut and mounting bracket from the grass deflector.
- Assemble straight shaft grass deflector to drive shaft so that the pin in the grass deflector fits in the locator hole in the lower side of the drive shaft near the gear head.
- Place the mounting bracket over the drive shaft so the square tab on the mounting bracket fits into the slot in the straight shaft grass deflector.
- Rotate the mounting bracket so the screw on the grass deflector goes into the slot on the mounting bracket.
- Reinstall the wing nut and tighten securely.

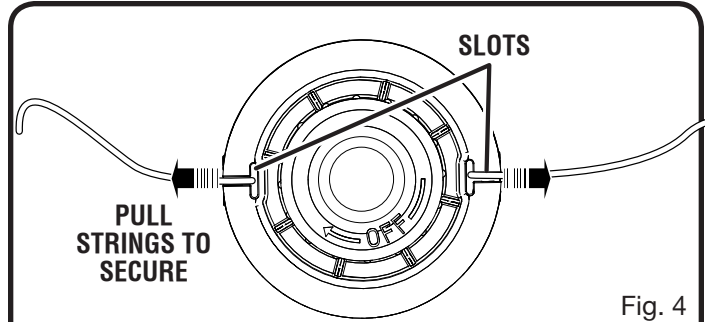


Fig. 4

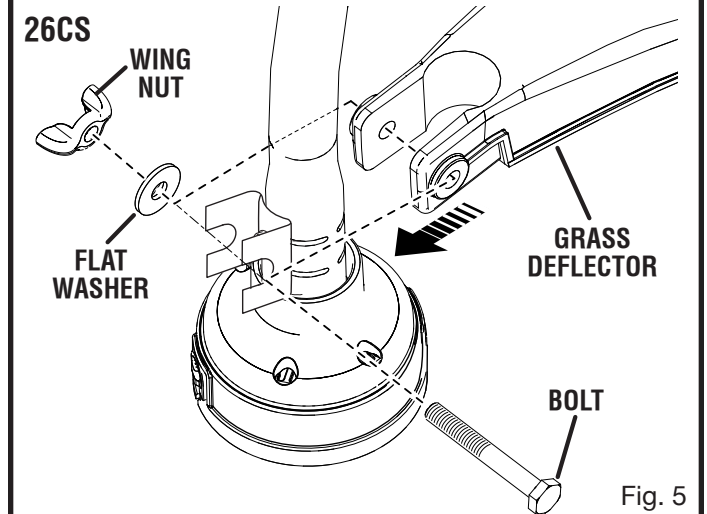


Fig. 5

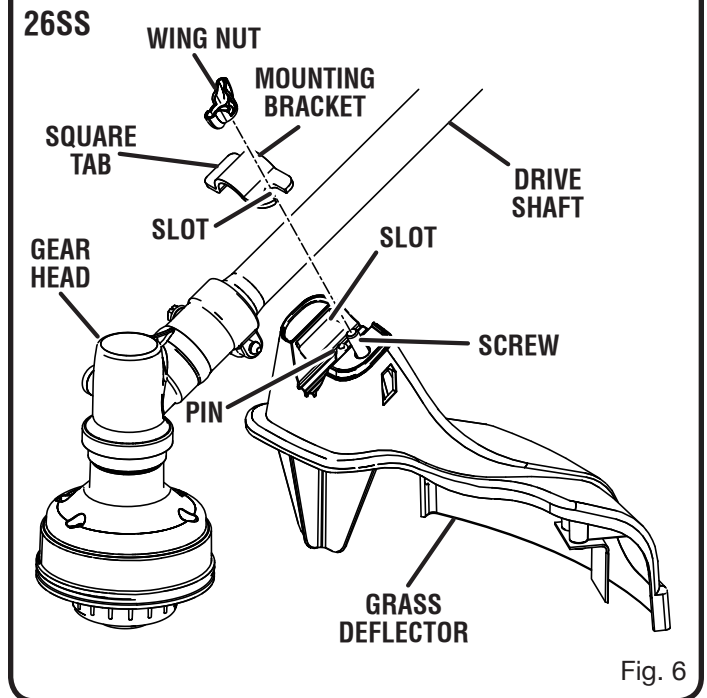


Fig. 6

# OPERATION

## **WARNING:**

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

## **WARNING:**

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

## **WARNING:**

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

## FUELING AND REFUELING THE TRIMMER

### FUEL MIXTURE

This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle lubricant. Pre-mix unleaded gasoline and 2-cycle engine lubricant in a clean 1 gallon container approved for gasoline.

**Recommended fuel:** This engine is certified to operate on unleaded gasoline intended for automotive use.

Mix Homelite **Premium Exact Mix** lubricant with gasoline according to the instructions on the package. If **Premium Exact Mix** lubricant is not available, use a high quality synthetic 2-cycle engine lubricant, mixed at 2.6 oz. per gallon (US).

Do not use automotive lubricant or 2-cycle outboard lubricant.

**NOTE:** Premium Exact Mix fuel mix will stay fresh up to 30 days. DO NOT mix quantities larger than usable in a 30 day period.



### PREMIUM EXACT MIX (50:1)

#### GASOLINE

1 gallon (US)  
1 Liter

#### LUBRICANT

2.6 oz.  
20 cc (20 ml)

## FILLING TANK

- Clean surface around fuel cap to prevent contamination.
- Set trimmer on its side so that the spout points up.
- Loosen fuel cap slowly. Rest the cap on a clean surface.
- Carefully pour fuel into the tank. Avoid spillage.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

**NOTE:** It is normal for smoke to be emitted from a new engine after first use.



## **WARNING:**

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 30 ft. from refueling site before starting engine. Do not smoke!

# OPERATION

## STARTING AND STOPPING

See Figures 7 - 8.

Trimmer should be on a flat, bare surface for starting. The starting method differs depending on whether the engine is cold or warm.

### To start a cold engine:

- Slowly press the primer bulb seven (7) times.
- Rotate the choke dial clockwise to the **FULL CHOKE** position.
- Squeeze throttle trigger fully and continue to hold through remaining steps.
- Pull the starter grip sharply until engine attempts to run (no more than 4 pulls).
- Rotate the choke dial counterclockwise to the **HALF CHOKE** position.
- Pull the starter grip sharply until the engine runs.
- Allow the engine to run for 10 seconds.
- Rotate the choke dial counterclockwise to the **RUN** position.

### To start a warm engine:

- Slowly press the primer bulb seven (7) times.
- Pull the starter grip sharply until the engine runs.

## TO STOP THE ENGINE:

See Figure 8.

Release the throttle trigger and press and hold STOP on the engine switch.

## IF ASSISTANCE IS REQUIRED STARTING THIS PRODUCT:

Do not return this product to the retail store where it was purchased. Please call our Customer Service Department for any issues you may have.

**For Help Call: 1-800-242-4672**

## OPERATING THE TRIMMER

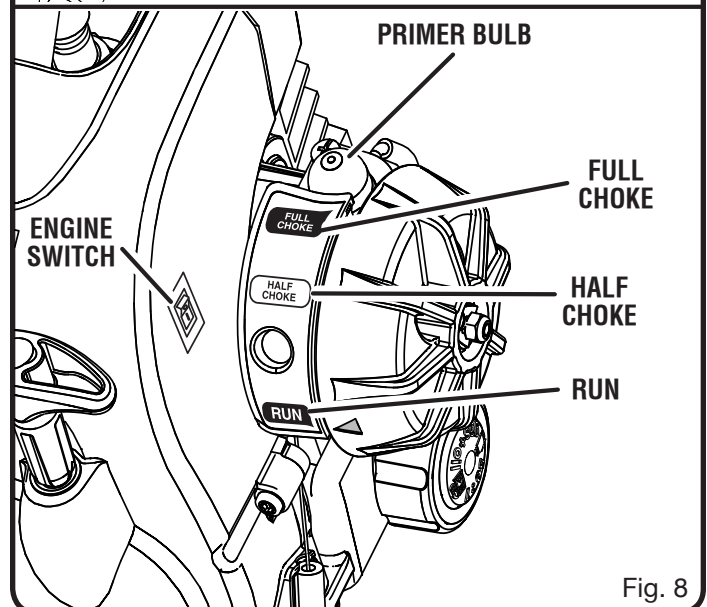
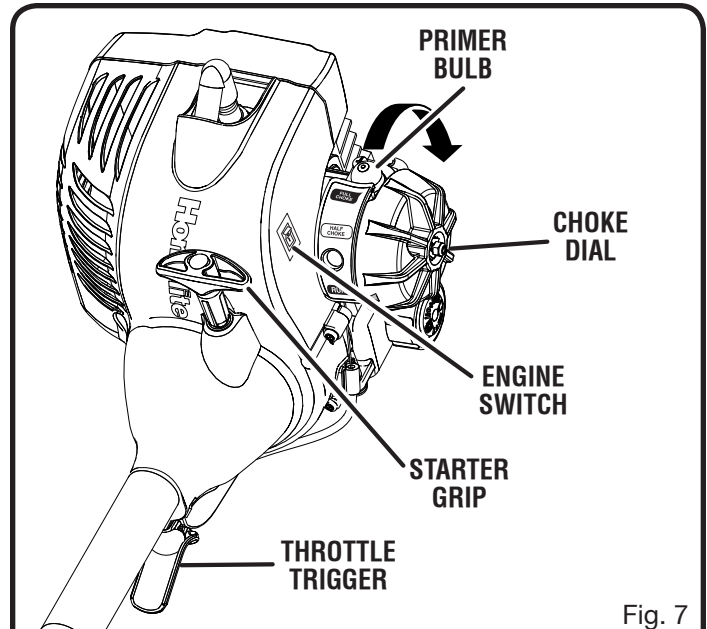
See Figure 9.

### **WARNING:**

Always position the unit on the operator's right side. The use of the unit on the operator's left side will expose the operator to hot surfaces and can result in possible burn injury.

### **WARNING:**

To avoid burns from hot surfaces, never operate unit with the bottom of the engine above waist level.



Hold the trimmer with your right hand on the rear handle and your left hand on the front handle. Keep a firm grip with both hands while in operation. Trimmer should be held at a comfortable position with the rear handle about hip height. Always operate trimmer at full throttle. Cut tall grass from the top down. This will prevent grass from wrapping around the shaft housing and string head which may cause damage from overheating. If grass becomes wrapped around the string head, STOP THE ENGINE, disconnect the spark plug wire, and remove the grass. Prolonged cutting at partial throttle will result in lubricant dripping from the muffler.

# OPERATION

## WARNING:

Always hold the string trimmer away from your body, keeping clearance between your body and the product. Any contact with the housing or string trimmer cutting head can result in burns and/or other serious personal injury.

## CUTTING TIPS

See Figures 9 - 10.

- Avoid hot surfaces by always keeping the tool away from your body. (Proper operating position shown in figure 9.)
- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The curved shaft trimmer cuts when passing the unit from right to left. The straight shaft trimmer cuts when passing the unit from left to right. This will avoid throwing debris at the operator. Avoid cutting in the dangerous area shown in figure 10.
- Use the tip of string to do the cutting; do not force string head into uncut grass.
- Wire and picket fences cause extra string wear, even breakage. Stone and brick walls, curbs, and wood may wear string rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the string.

## ADVANCING STRING USING THE EZ WIND™ TAP ADVANCE SYSTEM

String advance is controlled by tapping string head on grass while running engine at full throttle.

- Run engine at full throttle.
- Tap string head on ground to advance string. String advances each time the head is tapped.
- Several taps may be required until string strikes the cut off blade.
- Resume trimming.

**NOTE:** If the string is worn too short you may not be able to advance the string by tapping it on the ground. If so, STOP THE ENGINE, and manually advance the string.

## ADVANCING THE STRING MANUALLY

With the engine off, push the spool retainer down while pulling on string(s) to manually advance the string.

## CUT-OFF BLADE

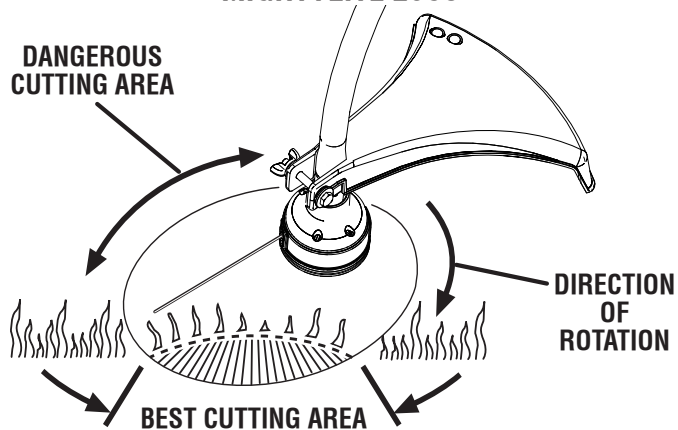
This trimmer is equipped with a cut-off blade on the grass deflector. For best cutting, advance string by tapping the string head until the string is trimmed to length by the cut-off blade. Advance string whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep string long enough to advance properly.

## PROPER OPERATING POSITION



Fig. 9

## MIGHTYLITE 26CS



## MIGHTYLITE 26SS

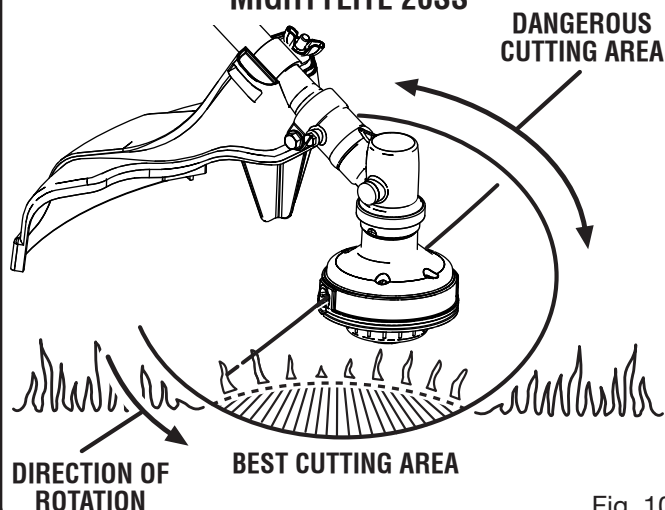


Fig. 10

# MAINTENANCE

## **WARNING:**

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

## **WARNING:**

Always wear safety goggles or safety glasses with side shields during tool operation. If operation is dusty, also wear a dust mask.

## **WARNING:**

Before inspecting, cleaning, or servicing the machine, shut off engine, wait for all moving parts to stop, and disconnect spark plug wire and move it away from spark plug. Failure to follow these instructions can result in serious personal injury or property damage.

## GENERAL MAINTENANCE

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, dust, lubricant, grease, etc.

## **WARNING:**

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating lubricants, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

You can often make adjustments and repairs described here. For other repairs, have the trimmer serviced by an authorized service dealer.

## SPOOL REPLACEMENT EZ WIND™ TAP ADVANCE SYSTEM NEW PREWOUND SPOOL

See Figures 11 - 12.

If replacing string only, refer to **String Replacement** later in this manual.

Use only .080 in. diameter trimmer line. Use original manufacturer's replacement string for best performance.

- Stop the engine and disconnect the spark plug wire. Hold the string head and unscrew the spool retainer.

### To remove the spool retainer:

Turn the spool retainer counterclockwise for MightyLite 26CS.

Turn the spool retainer clockwise for MightyLite 26SS.

- Remove the empty spool from the string head. Keep the spring attached to the spool.

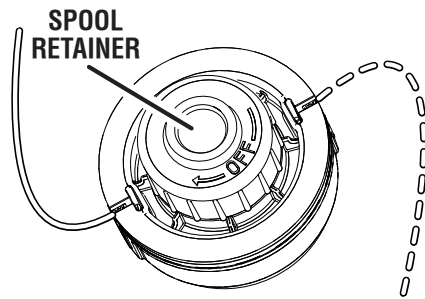


Fig. 11

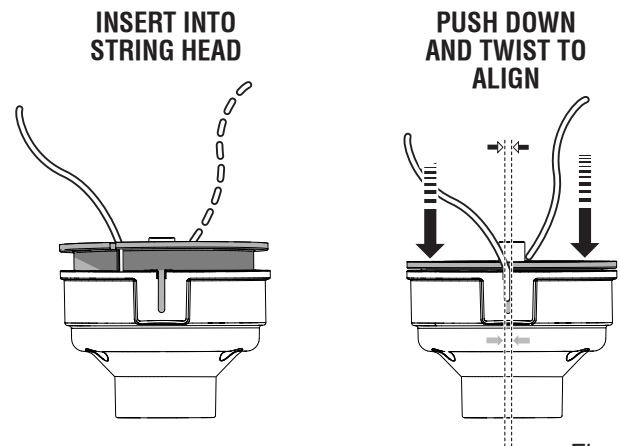


Fig. 12

- **For the MightyLite 26CS:** Make sure the string is captured in the slot on the new spool. Make sure the end of the string is extended approximately 6 in. beyond the slot.

**For the MightyLite 26SS:** Make sure the two strings are captured in the slots opposite each other on the new spool. Make sure the end of each string is extended approximately 6 in. beyond each slot.

- Align the slot(s) on the spool to the eyelet(s) on the string head housing. Push down and turn the spool in the necessary direction to align the slot(s).
- Make sure the string head and the spool retainer are installed on the drive shaft.

### To install the spool retainer:

Turn the spool retainer clockwise for MightyLite 26CS. Turn the spool retainer counterclockwise for MightyLite 26SS.

- **For the MightyLite 26CS:** Slide the string into the housing eyelet and pull outward to rotate the spool into the cutting position.

**For the MightyLite 26SS:** Slide strings into the housing eyelets and pull outward to rotate the spool into the cutting position.

- Push the spool retainer down while pulling on string(s) to manually advance the string and to check for proper assembly of the string head.

# MAINTENANCE

## STRING REPLACEMENT

See Figures 13 - 16.

- Stop the engine and disconnect the spark plug wire. Hold the string head and unscrew the spool retainer.

### To remove the spool retainer:

Turn the spool retainer counterclockwise for MightyLite 26CS.

Turn the spool retainer clockwise for MightyLite 26SS.

- Remove the spool from the string head.  
**NOTE:** Keep the spring attached to the spool. Remove any old string remaining on the spool.

- **For the MightyLite 26CS:** Cut one piece of trimmer line 9 ft. long. Find the hole in the center of the spool (figure 14). Insert one end of the line into the hole. Carefully wind the string in the direction indicated on the top of the spool. Nearing the end of the string, slide the end of the string into the nearest open slot on the spool. Do not overfill.

**For the MightyLite 26SS:** Cut one piece of trimmer line 18 ft. long. Find the middle of the string section. Loop the string around the hook in the center of the spool (figure 15). Carefully wind the string in the direction indicated on the top of the spool. Nearing the end of the string, slide one end of the string into each slot of the spool. Do not overfill.

- Replace the spool and the spool retainer. Refer to **Spool Replacement** earlier in this manual.

## CLEANING THE EXHAUST PORT

Depending on the type of fuel used, the type and amount of lubricant used, and/or your operating conditions, the exhaust port may become blocked with carbon deposits. If you notice a power loss with your gas powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

## SPARK ARRESTOR

The spark arrestor must be replaced every 50 hours or yearly to ensure proper performance of the product. Spark arrestors may be in different locations depending on the model purchased. Please contact the nearest service dealer for the location of the spark arrestor for your model.

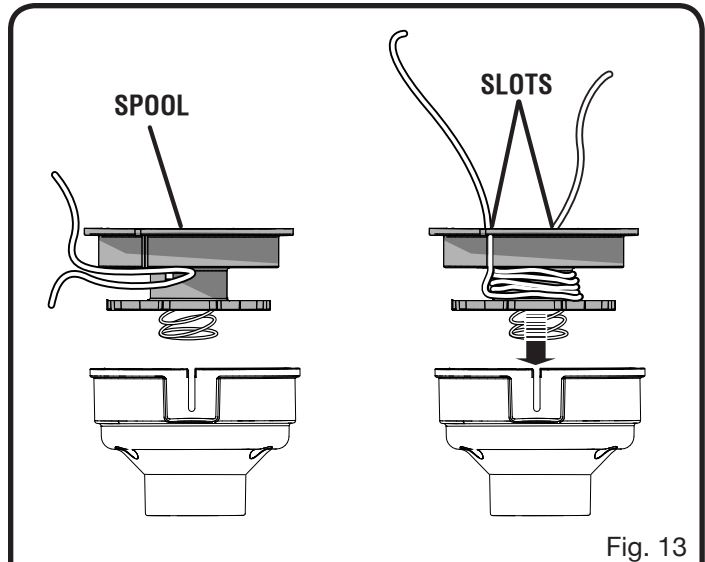


Fig. 13

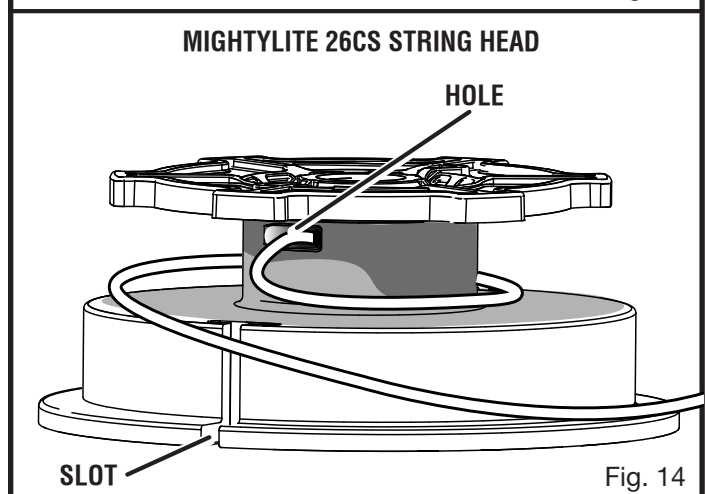


Fig. 14

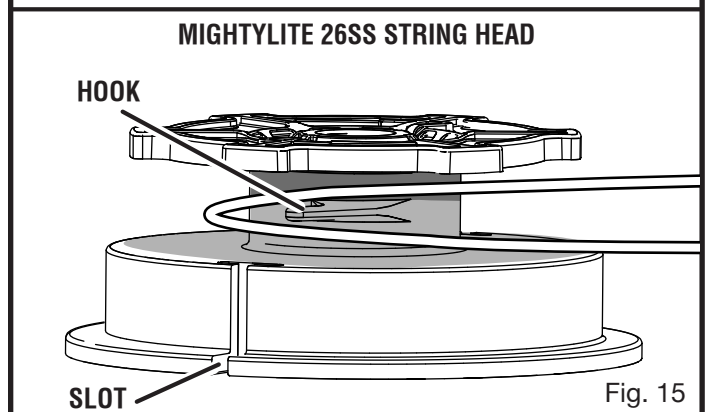


Fig. 15

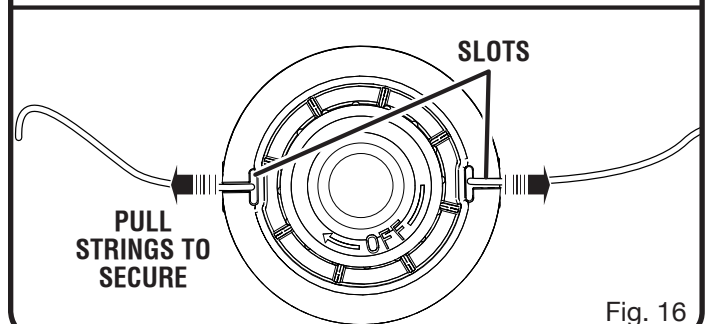


Fig. 16

# MAINTENANCE

## CLEANING THE AIR FILTER SCREEN

See Figures 17 - 18.

For proper performance and long life, keep air filter screen clean.

- Remove the hex nut, wavy washer, flat washer, and choke dial cover.
- Brush the air filter screen lightly to clean.
- Reinstall the choke dial cover, flat washer, wavy washer, and hex nut.

## FUEL CAP

### WARNING:

A leaking fuel cap is a fire hazard and must be replaced immediately.

The fuel cap contains a non-serviceable filter and a check valve. A clogged fuel filter will cause poor engine performance. If performance improves when the fuel cap is loosened, check valve may be faulty or filter clogged. Replace fuel cap if required.

## SPARK PLUG

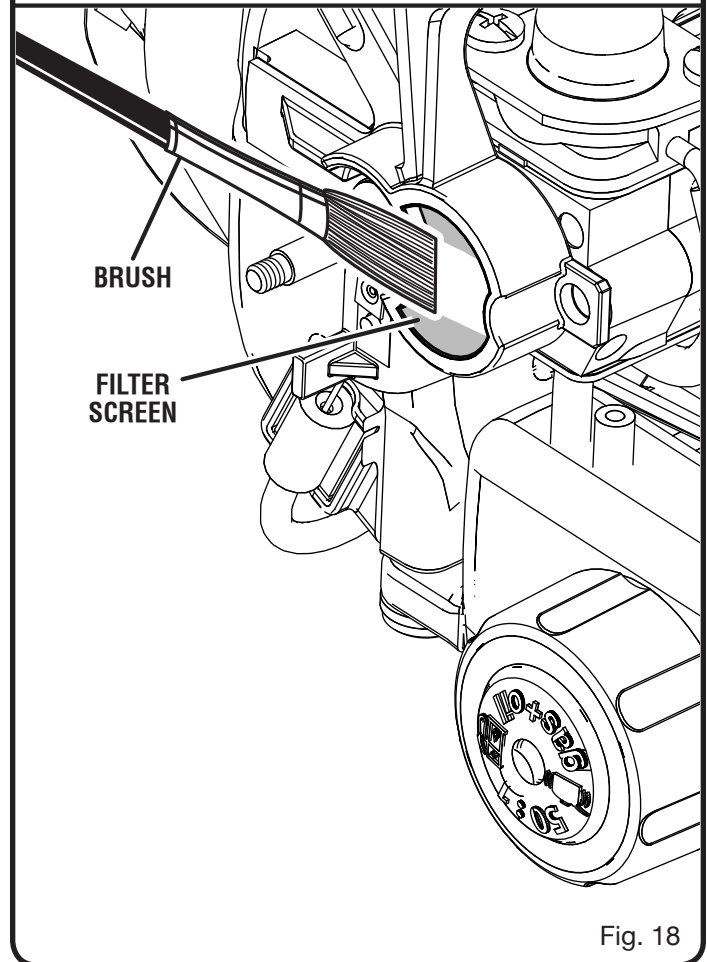
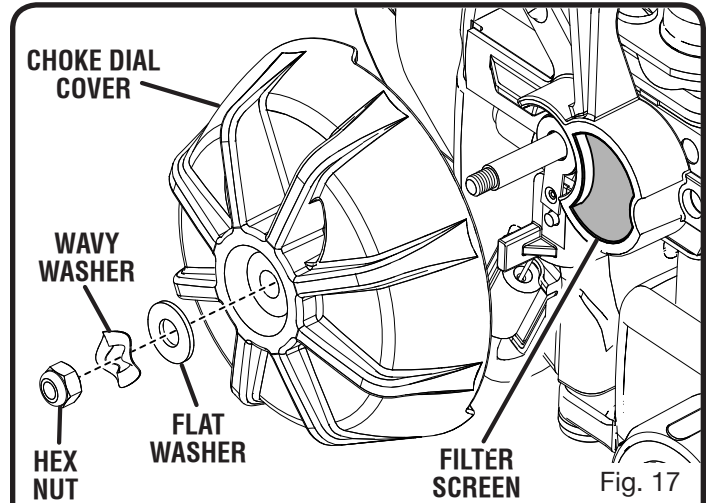
This engine uses a Champion RCJ6Y or equivalent spark plug with .025 in. electrode gap. Use an exact replacement and replace annually, or more frequently if necessary.

## STORING THE TRIMMER

- Clean all foreign material from the trimmer. Store it in a well-ventilated place that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts.
- Abide by all Federal and local regulations for the safe storage and handling of gasoline.

### WHEN STORING 1 MONTH OR LONGER:

- Drain all fuel from tank into a container approved for gasoline. Run engine until it stops.



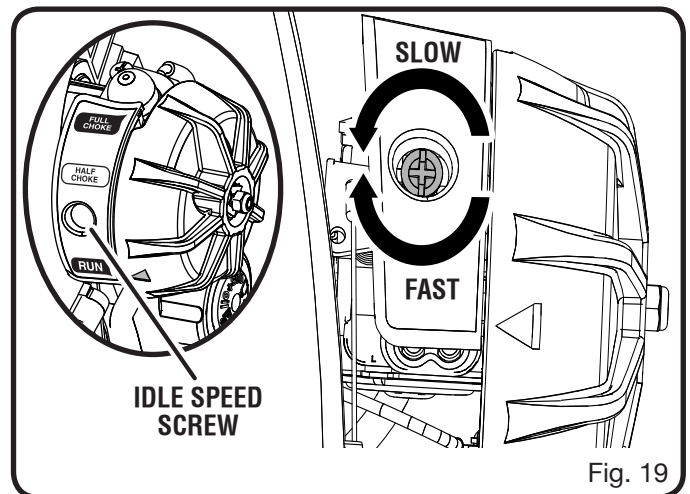
# TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start.	<p>No spark.</p> <p>No fuel.</p> <p>Engine is flooded.</p> <p>Starter rope pulls harder now than when new.</p>	<p>Check spark. Remove spark plug. Re-attach the spark plug cap and lay spark plug on metal cylinder. Pull the starter rope and watch for spark at spark plug tip. If there is no spark, repeat test with a new spark plug.</p> <p>Push primer bulb until bulb is full of fuel. If bulb does not fill, primary fuel delivery system is blocked. Contact a servicing dealer. If primer bulb fills, engine may be flooded, proceed to next item.</p> <p>Remove spark plug, turn trimmer so spark plug hole is aimed at the ground. Rotate the choke dial to "RUN" position and pull starter cord 10 to 15 times. This will clear excess fuel from engine. Clean and reinstall spark plug. Pull starter three times with choke dial at "RUN". If engine does not start, rotate choke dial to "FULL CHOKE" position and repeat normal starting procedure. If engine still fails to start, repeat procedure with a new spark plug.</p> <p>Contact a servicing dealer.</p>
Engine starts but will not accelerate.	Engine requires approximately three minutes to warm up.	Allow engine to completely warm up. If engine does not accelerate after three minutes, contact a servicing dealer.
Engine starts but will only run at high speed at half choke.	Carburetor requires adjustment.	Contact a servicing dealer.
Engine does not reach full speed and emits excessive smoke.	<p>Check lubricant fuel mixture.</p> <p>Air filter is dirty.</p> <p>Carburetor out of adjustment.</p>	<p>Use fresh fuel and the correct 2-cycle lubricant mix.</p> <p>Clean air filter. Refer to <b>Cleaning the Air Filter Screen</b> earlier in this manual.</p> <p>Contact a servicing dealer.</p>
Engine starts, runs, and accelerates but will not idle.	Idle speed screw on carburetor needs adjustment.	Turn idle speed screw clockwise to increase idle speed. <i>See figure 19.</i>



# TROUBLESHOOTING

Problem	Possible Cause	Solution
String will not advance.	<p>String is welded to itself. Not enough string on spool.</p> <p>String is worn too short.</p> <p>String is tangled on spool.</p> <p>Engine speed is too slow.</p>	<p>Lubricate with silicone spray.</p> <p>Install more string. Refer to <b>String Replacement</b> earlier in this manual.</p> <p>Pull strings while alternately pressing down on and releasing spool retainer.</p> <p>Remove string from spool and rewind. Refer to <b>String Replacement</b> earlier in this manual.</p> <p>Advance string at full throttle.</p>
Spool retainer hard to turn.	Screw threads are dirty or damaged.	Clean threads and lubricate with grease – if no improvement, replace the spool retainer.
Grass wraps around driveshaft housing and string head.	<p>Cutting tall grass at ground level.</p> <p>Operating trimmer at part throttle.</p>	<p>Cut tall grass from the top down to prevent wrapping.</p> <p>Operate trimmer at full throttle.</p>
Lubricant drips from muffler.	<p>Operating trimmer at part throttle.</p> <p>Check lubricant/fuel mixture.</p> <p>Air filter dirty.</p>	<p>Operate trimmer at full throttle.</p> <p>Use fresh fuel and the correct 2-cycle lubricant mix.</p> <p>Clean air filter. Refer to <b>Cleaning the Air Filter Screen</b> earlier in this manual.</p>



# WARRANTY

## LIMITED WARRANTY STATEMENT

Homelite Consumer Products, Inc., (“Homelite”) warrants to the original retail purchaser that this HOMELITE brand outdoor product is free from defect in material and workmanship and agrees to repair or replace, at Homelite’s, discretion, any defective product free of charge within these time periods from the date of purchase.

- Two years for all models if used for personal, family, or household use;
- 90 days for any unit used for other purposes, such as rental or commercial.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase.

Any part of the this product manufactured or supplied by Homelite and found in the reasonable judgment of Homelite to be defective in material or workmanship will be repaired or replaced without charge for parts and labor by a Homelite authorized service center.

The product, including any defective part, must be returned to an authorized service dealer within the warranty period. The expense of delivering the product to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. Homelite’s responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any HOMELITE brand product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by a Homelite authorized service center.

This warranty is limited to ninety (90) days from the date of original retail purchase for any HOMELITE brand product that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any HOMELITE brand product that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in this operator’s manual. This warranty does not apply to any damage to the product that is the result of improper maintenance or to any product that has been altered or modified. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either incompatible with the HOMELITE brand product or adversely affect its operation, performance, or durability. In addition, this warranty does not cover:

- A. Tune-ups – Spark Plugs, Carburetor, Carburetor Adjustments, Ignition, Filters

- B. Wear items – Bump Knobs, Outer Spools, Cutting Lines, Inner Reels, Starter Pulleys, Starter Ropes, Drive Belts, Tines, Felt Washers, Hitch Pins, Mulching Blades, Blower Fans, Blower and Vacuum Tubes, Vacuum Bags and Straps, Guide Bars, Saw Chains

Homelite reserves the right to change or improve the design of any HOMELITE brand product without assuming any obligation to modify any product previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE STATED WARRANTY PERIOD. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE APPROPRIATE TWO-YEAR, ONE-YEAR, OR NINETY-DAY WARRANTY PERIOD. HOMELITE’S OBLIGATION UNDER THIS WARRANTY IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AND HOMELITE DOES NOT ASSUME OR AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. HOMELITE ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL, OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, EXPENSE OF RETURNING THE PRODUCT TO AN AUTHORIZED HOMELITE SERVICE CENTER AND EXPENSE OF DELIVERING IT BACK TO THE OWNER, MECHANIC’S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY SERVICE IS BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, OR INCONVENIENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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

This warranty applies to all HOMELITE brand products manufactured by or for Homelite and sold in the United States and Canada.

To locate your nearest Homelite authorized service center, dial 1-800-242-4672 or log on to our website at [www.homelite.com](http://www.homelite.com).

# WARRANTY

**THE FOLLOWING CALIFORNIA AIR RESOURCES BOARD (CARB) STATEMENT ONLY APPLIES TO MODEL NUMBERS REQUIRED TO MEET THE CARB REQUIREMENTS.**

## **HOMELITE CONSUMER PRODUCTS, INC., LIMITED WARRANTY STATEMENT FOR FEDERAL AND CALIFORNIA EMISSION CONTROL SYSTEMS NON-ROAD AND SMALL OFF-ROAD ENGINES**

### **YOUR WARRANTY RIGHTS AND OBLIGATIONS**

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and Homelite Consumer Products, Inc., are pleased to explain the Emissions Control System Warranty on your 2007 model year non-road or small off-road engine. In California, new equipment that uses small off-road engines must be designed, built, and equipped to meet the state's stringent anti-smog standards. In other states, new 2000 and later model year non-road engines must be designed, built, and equipped at the time of sale to meet the U.S. EPA regulations for small non-road engines. The non-road engine must be free from defects in materials and workmanship which cause it to fail to conform with U.S. EPA standards for the first two years of engine use from the date of sale to the ultimate purchaser. Homelite Consumer Products, Inc., must warrant the emission control system on your non-road or small off-road engine for the period of time listed above provided there has been no abuse, neglect, or improper maintenance of your non-road or small off-road engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic converters, fuel tanks, valves, filters, clamps, connectors, and other associated components. Also included may be hoses, belts and connectors, and other emission-related assemblies.

Where a warrantable condition exists, Homelite Consumer Products, Inc., will repair your non-road or small off-road engine at no cost to you, including diagnosis, parts, and labor performed at an authorized service center for HOMELITE® brand outdoor products.

### **MANUFACTURER'S WARRANTY COVERAGE:**

This product's emissions control system is warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by Homelite Consumer Products, Inc., free of charge.

### **OWNER'S WARRANTY RESPONSIBILITIES**

(a) As the non-road or small off-road engine owner, you are responsible for the performance of the required maintenance listed in your operator's manual. Homelite Consumer Products, Inc., recommends that you retain all receipts covering maintenance on your non-road or small off-road engine, but Homelite Consumer Products, Inc., cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. Any replacement part or service that is equivalent in performance and durability may be used in non-warranty maintenance or repairs, and shall not reduce the warranty obligations of Homelite Consumer Products, Inc.

(b) As the non-road or small off-road engine owner, you should be aware, however, that Homelite Consumer Products, Inc., may deny you warranty coverage if your non-road or small off-road engine or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

(c) You are responsible for presenting your non-road or small off-road engine to an authorized service dealer as soon as a 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 contact a Homelite Consumer Products, Inc., Customer Representative at 1-800-242-4672.

### **DEFECT WARRANTY COVERAGE REQUIREMENTS:**

(a) The warranty period begins on the date the engine or equipment is delivered to an ultimate purchaser.

(b) General Emissions Warranty Coverage. Homelite Consumer Products, Inc., warrants to the ultimate purchaser and each subsequent purchaser that your non-road or small off-road engine is designed, built, and equipped at the time of sale to conform with all applicable regulations adopted by the California Air Resources Board or the United States Environmental Protection Agency; and that it is free from defects in materials and workmanship which cause the engine to fail to conform with applicable regulations for a period of two years from the date the non-road or small off-road engine is purchased by the initial purchaser.

(c) The warranty on emissions-related parts will be interpreted as follows: Any warranted part that is not scheduled for replacement as required in the Emissions Maintenance Schedule and Warranty Parts List set forth below is warranted for two years. If any such part (including any part that is scheduled only for regular inspection) fails during the period of warranty coverage, it will be repaired or replaced at any HOMELITE® Authorized Service Center at no charge. Any such part repaired or replaced under warranty will be warranted for the remaining warranty period. A statement to the effect of "repair or replace as necessary" would not reduce the period of warranty coverage. Any warranted part that is scheduled for replacement as required maintenance in the Emissions Maintenance Schedule and Warranty Parts List is warranted for the period of time prior to the first scheduled replacement point for that part. Any such part repaired or replaced under warranty is warranted for the remainder of the period prior to the first scheduled replacement point, and will be repaired or replaced at any HOMELITE® Authorized Service Center for no charge until that replacement point is reached.

Homelite Consumer Products, Inc., shall remedy warranty defects at any authorized HOMELITE® Authorized Service Center, including any distribution center that may be franchised to service the subject engines. Any diagnostic work done at a HOMELITE® Authorized Service Center shall be free of charge to the owner if such work determines that a warranted part is defective. Any manufacturer-approved or equivalent replacement part may be used for any warranty maintenance or repairs on emission-related parts, and must be provided free of charge to the owner if the part is still under warranty. Homelite Consumer Products, Inc., is liable for damages to other engine components caused by the failure of a warranted part still under warranty.

Add-on or modified parts that are not exempted by the California Air Resource Board may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim. Homelite Consumer Products, Inc., will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

The California Air Resources Board's Emission Warranty Parts List specifically defines the emission-related warranted parts. (EPA's regulations do not include a parts list, but the EPA considers emission-related warranted parts to include all the parts listed below.) Homelite Consumer Products, Inc., will provide any documents that describe its warranty procedures or policies within five days upon request by the California Air Resources Board.

### **EMISSIONS PARTS LIST**

Emissions parts vary from product to product. Your emissions control system warranty applies to any of the following components that may be included on your product:

- (1) Fuel Metering System
  - (i) Carburetor and internal parts (and/or pressure regulator or fuel injection system).
  - (ii) Air/fuel ratio feedback and control system.
  - (iii) Cold start enrichment system.
  - (iv) Fuel Tank.
- (2) Air Induction System
  - (i) Controlled hot air intake system.
  - (ii) Intake manifold.
  - (iii) Air filter.
- (3) Ignition System
  - (i) Spark Plugs.
  - (ii) Magneto or electronic ignition system.
  - (iii) Spark advance/retard system.
- (4) Exhaust Gas Recirculation (EGR) System
  - (i) EGR valve body and carburetor spacer, if applicable.
  - (ii) EGR rate feedback and control system.
- (5) Air Injection System
  - (i) Air pump or pulse valve.
  - (ii) Valves affecting distribution of flow.
  - (iii) Distribution manifold.
- (6) Catalyst or Thermal Reactor System
  - (i) Catalytic converter.
  - (ii) Thermal reactor.
  - (iii) Exhaust manifold.
- (7) Particulate Controls
  - (i) Traps, filters, precipitators, and any other device used to capture particulate emissions.
- (8) Miscellaneous Items Used in Above Systems
  - (i) Electronic controls.
  - (ii) Vacuum, temperature, and time sensitive valves and switches.
  - (iii) Hoses, belts, connectors, and assemblies.

Homelite Consumer Products, Inc., will furnish with each new engine written instructions for its maintenance and use by the owner.

The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements. Category C=50 hours, B=125 hours, and A=300 hours.

# WARRANTY

## THIS PRODUCT WAS MANUFACTURED WITH A CATALYST MUFFLER

**Congratulations!** You have made an investment toward protecting the environment. In order to maintain this product's original emission level, please refer to the maintenance section below.

### EMISSIONS MAINTENANCE SCHEDULE AND WARRANTED PARTS LIST

Emissions Parts	Inspect Before Each Use	Clean Every 5 Hours	Replace Every 25 Hours or Yearly	Clean Every 25 Hours or Yearly	Replace Every 50 Hours
<b>CATALYTIC MUFFLER ASSEMBLY</b> .....					X
<b>AIR FILTER ASSY</b>					
includes:					
Screen .....					X
<b>FUEL TANK ASSY</b>					
includes:					
Fuel Lines .....					X
Fuel Cap .....					X
<b>IGNITION ASSY</b>					
includes:					
Spark Plug .....					X
ALL EMISSIONS-RELATED PARTS ARE WARRANTED FOR TWO YEARS OR FOR THE PERIOD OF TIME PRIOR TO THE PARTS FIRST SCHEDULED REPLACEMENT WHICHEVER COMES FIRST.					



## MAKE THE MOST OF YOUR PURCHASE!

Go to [www.homelite.com](http://www.homelite.com) and register your new tool on-line.

Your product has been fully tested prior to shipment to ensure your complete satisfaction.

For any questions about operating or maintaining your product, call the Homelite Help Line!

To register your Homelite product or set up your eBox™ account by regular mail, please print the following information on a 3 in. x 5 in. card or standard postcard: your name, mailing address, phone numbers, email address, Homelite product(s) purchased with item number from package, and serial number for each product. Mail the card to: Homelite Consumer Products, Attn. Homelite Registration, 1428 Pearman Dairy Road, Anderson, SC 29625. To receive information on our company and products, please include the following statement on your registration card: "Send me information on your products and company using the contact information I am providing with this product registration."



# Homelite®

## OPERATOR'S MANUAL MightyLite 26cc String Trimmers

MightyLite CS – UT21506, UT21907

MightyLite SS – UT21546, UT21947

(ALL VERSIONS)

### WARNING:

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**CALIFORNIA PROPOSITION 65**

### • PARTS AND SERVICE

Prior to requesting service or purchasing replacement parts, please obtain your model and serial number from the product data plate.

- MODEL NUMBER \_\_\_\_\_
- SERIAL NUMBER \_\_\_\_\_

### • HOW TO OBTAIN REPLACEMENT PARTS:

Replacement parts can be purchased online at **www.homelite.com** or by calling 1-800-242-4672. Replacement parts can also be obtained at one of our Authorized Service Centers.

### • HOW TO LOCATE AN AUTHORIZED SERVICE CENTER:

Authorized Service Centers can be located online at **www.homelite.com** or by calling 1-800-242-4672.

### • HOW TO OBTAIN CUSTOMER OR TECHNICAL SUPPORT:

To obtain Customer or Technical Support please contact us at 1-800-242-4672.

## HOMELITE CONSUMER PRODUCTS, INC.

1428 Pearman Dairy Road  
Anderson, SC 29625  
Phone 1-800-242-4672  
www.homelite.com