

## WARNING - WALK BEHIND TRIMMER/MOWER

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

**⚠️WARNING:** Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize your exposure, avoid breathing exhaust, do not idle the engine except as necessary, operate and service your equipment in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

<<<DANGER >>> <<<DANGER>>> <<<DANGER>>>

With all mowers, mower attachments and other rotary cutting devices, there is a chance of objects *being shot out at high speeds. These objects could cause serious injury or death to the operator or bystanders.*

Thoroughly inspect the area where the equipment is to be used. Clear it of objects such as rocks, toys, wire, bones, sticks, etcetera. Always wear protective goggles or safety glasses with side shields while mowing to protect your eyes from possible thrown debris. Always wear protective clothing. Keep children, animals and others at least 50 feet away at all times.

Use extreme caution whenever operating, moving, loading or unloading this equipment. During and after operation the Muffler and other components are Extremely Hot and will cause Serious Burns.

Never operate power equipment of any kind if you are tired or if you are under the influence of alcohol, drugs, medication or any substance that could affect your ability or judgment. Be alert! If you get tired while operating this equipment, take a break. Tiredness may result in loss of control.

Provide adequate ventilation when operating this equipment. Internal combustion engines consume oxygen and give off deadly carbon monoxide gas.

Do not tape down or otherwise by-pass any safety devices! Always operate this equipment from the designated operator's position.

Use extreme caution: Keep your hands and feet clear of the cutting area at all times.

### Installing Cutting Cords

**NOTE:** Always install all four trimmer cords with cords of equal length. Not installing all four cords or installing cords of varying lengths will cause excessive vibration and could damage the machine.

1. See *Figure 2-5*. Insert trimmer cord (A) into inlet hole (B) and push it in until the end protrudes out the other side (C) about 1/2 in (12.7 mm).

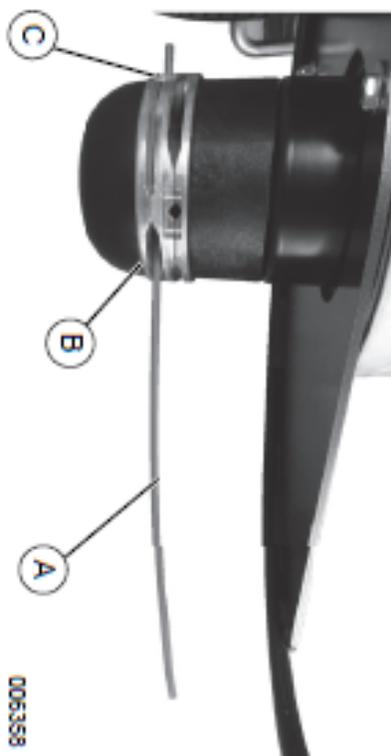


Figure 2-5. Installing Cutting Cords

006358

2. Repeat until all four cords are installed.

**NOTE:** The cord can only move through the cord head in one direction. To remove an old cord the cord must be pulled through the cord head.

### Cutting Cord Tips

- Do not store cords in sunlight. UV light causes premature wear.
- Keep cords pliable by soaking them in room temperature water for a few days before use.
- Replace cords one at a time and use old cord to mark the position for new cord being installed.
- Remove any cord broken off flush at the line plate with needle nose pliers.
- Do not add additional cords to the head. Adding additional cords creates drag and may cause wrapping.

# Section 1: Safety Rules & General Information

## Introduction

Thank you for purchasing a Generac Power Systems Inc. product. This unit has been designed to provide high performance, efficient operation, and years of use when maintained properly.

The information in this manual is accurate based on products produced at the time of publication. The manufacturer reserves the right to make technical updates, corrections, and product revisions at any time without notice.

### Read This Manual Thoroughly



#### **WARNING**

Consult Manual. Read and understand manual completely before using product. Failure to completely understand manual and product could result in death or serious injury. (000100a)

If any section of this manual is not understood, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or [www.generac.com](http://www.generac.com) with any questions or concerns.

This manual must be used in conjunction with the appropriate installation manual.

**SAVE THESE INSTRUCTIONS:** The manufacturer suggests that this manual and the rules for safe operation be copied and posted near the unit installation site. Safety should be stressed to all operators and potential operators of this equipment.

## Safety Rules

The manufacturer cannot anticipate every possible circumstance that might involve a hazard. The alerts in this manual, and on tags and decals affixed to the unit, are not all inclusive. If using a procedure, work method, or operating technique that the manufacturer does not specifically recommend, verify that it is safe for others and does not render the equipment unsafe.

Throughout this publication, and on tags and decals affixed to the unit, DANGER, WARNING, CAUTION, and NOTE blocks are used to alert personnel to special instructions about a particular operation that may be hazardous if performed incorrectly or carelessly. Observe them carefully. Alert definitions are as follows:

#### **DANGER**

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

(000001)

#### **WARNING**

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

(000002)

#### **CAUTION**

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

(000003)

**NOTE:** Notes contain additional information important to a procedure and will be found within the regular text of this manual.

These safety alerts cannot eliminate the hazards that they indicate. Common sense and strict compliance with the special instructions while performing the action or service are essential to preventing accidents.

## How to Obtain Service

When the unit requires service or repairs, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or [www.generac.com](http://www.generac.com) for assistance.

When contacting Customer Service about parts and service, always supply the complete model and serial number of the unit as given on its data decal located on the unit. Record the model and serial numbers in the spaces provided on the inside front cover of this manual.

## General Hazards

### **WARNING**

Personal injury. Keep out of reach of children.  
Failure to do so could result in death or serious injury.

(000128a)



### **WARNING**

Vision loss. Eye protection is required when servicing unit. Failure to do so could result in vision loss or serious injury.

(000377)

### **WARNING**

Personal injury and equipment damage. Do not tamper with engine governed speed. Operating engine too fast or slow increases the risk of injury or permanent engine damage.

(000254)



### **WARNING**

Moving Parts. Do not wear jewelry when starting or operating this product. Wearing jewelry while starting or operating this product could result in death or serious injury.

(000115)



### **WARNING**

Moving Parts. Keep clothing, hair, and appendages away from moving parts. Failure to do so could result in death or serious injury.

(000111)



### **WARNING**

Hot Surfaces. When operating machine, do not touch hot surfaces. Keep machine away from combustibles during use. Hot surfaces could result in severe burns or fire.

(000108)



### **WARNING**

Risk of Fire. Hot surfaces could ignite combustibles, resulting in fire. Fire could result in death or serious injury.

(000110)

### **WARNING**

Risk of injury. Do not operate or service this machine if not fully alert. Fatigue can impair the ability to service this equipment and could result in death or serious injury.

(000215)



### **WARNING**

Hearing Loss. Hearing protection is recommended when using this machine. Failure to wear hearing protection could result in permanent hearing loss. (000107)

### **WARNING**

Personal injury. Wear sturdy shoes with no-slip tread, long pants, and gloves when operating this unit. Failure to do so could result in death or serious injury.

(000492)

## Exhaust and Fuel Hazards



### **DANGER**

Asphyxiation. Running engines produce carbon monoxide, a colorless, odorless, poisonous gas. Carbon monoxide, if not avoided, will result in death or serious injury.

(000103)



### **DANGER**

Explosion and Fire. Fuel and vapors are extremely flammable and explosive. Store fuel in a well ventilated area. Keep fire and spark away. Failure to do so will result in death or serious injury.

(000143)



### **DANGER**

Explosion and Fire. Do not overfill fuel tank. Fill to 1/2 inch from top of tank to allow for fuel expansion. Overfilling may cause fuel to spill onto engine causing fire or explosion, which will result in death or serious injury.

(000166b)



### **DANGER**

Risk of fire. Allow fuel spills to completely dry before starting engine. Failure to do so will result in death or serious injury.

(000174)



### **WARNING**

Fire risk. Fuel and vapors are extremely flammable. Do not operate indoors. Doing so could result in death, serious injury, or property or equipment damage. (000281)

**⚠️ WARNING**

Explosion and fire risk. Do not smoke near unit. Keep fire and spark away. Failure to do so could result in death, serious injury, or property or equipment damage. (000282)

**⚠️ WARNING**

Explosion and Fire. Do not smoke while refueling unit. Failure to do so could result in death, serious injury, or property or equipment damage. (000284a)

## Fire Hazards

**⚠️ WARNING**

Risk of Fire. Verify machine has properly cooled before installing cover and storing machine. Hot surfaces could result in fire. (000109)

**⚠️ WARNING**

Risk of fire. Never operate engine without the air cleaner installed. Operating engine without the air cleaner could result in death or serious injury. (000249)

**⚠️ WARNING**

Fire hazard. Do not obstruct cooling and ventilating airflow around the generator. Inadequate ventilation could result in fire hazard, possible equipment damage, death or serious injury. (000217)

## Explosion Hazards

**⚠️ DANGER**

Explosion and fire. Fuel and vapors are extremely flammable and explosive. No leakage of fuel is permitted. Keep fire and spark away. Failure to do so will result in death or serious injury. (000192)

**⚠️ DANGER**

Risk of fire. Allow fuel spills to completely dry before starting engine. Failure to do so will result in death or serious injury. (000174)

**⚠️ WARNING**

Risk of Fire. Hot surfaces could ignite combustibles, resulting in fire. Fire could result in death or serious injury. (000110)

## Section 2: General Information and Setup

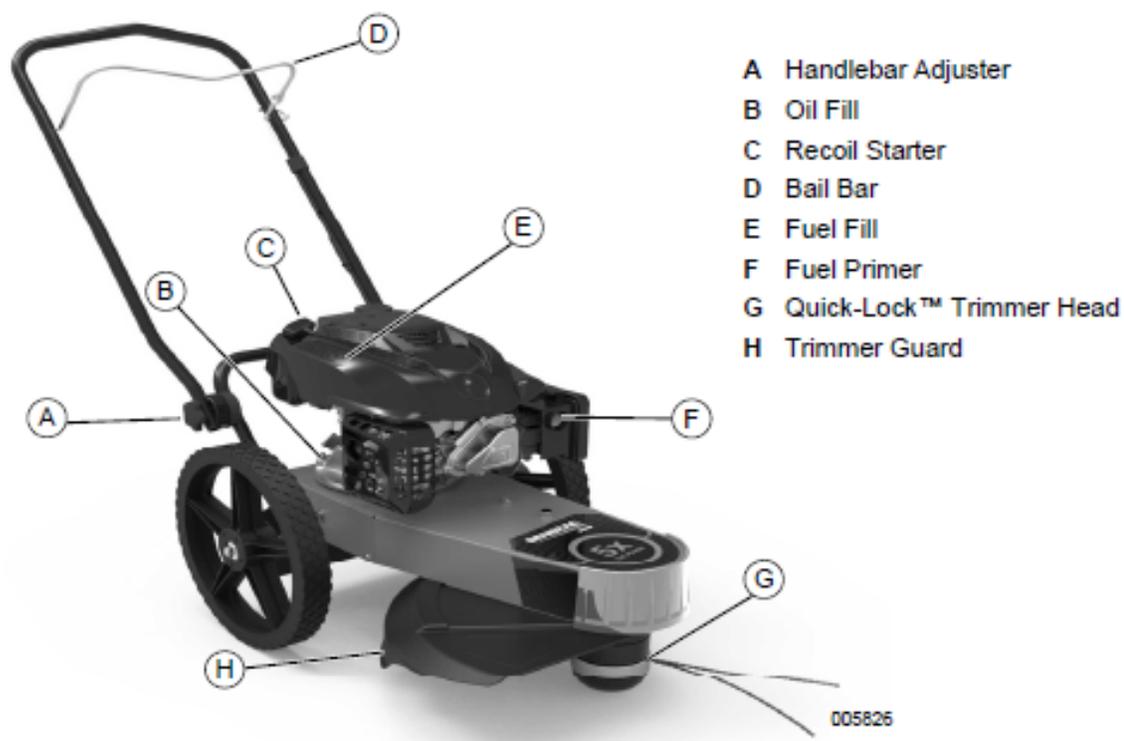


Figure 2-1. Features and Controls

Trimmer/Mower™ Specifications	
Cutting Width	22 in (55.88 cm)
Cutting Height	Three Position, 2 in (5 cm), 2.75 in (7 cm), 3.25 in (8.26 cm)
Cutting Speed	3700 rpm
Cord Size	0.175 in (4.45 mm) 225 mil sawtooth available
Wheels	16 in (30.64 cm)
Frame	14 Gauge Steel
Mow-Ball®	4 in (41 cm) Diameter, Super-Tough Nylon
Drive Belt	V-Belt, 3L440R
Machine Dimensions	35 in x 22.25 in x 24 in (88.9 cm x 56.5 cm x 60.9 cm)
Machine Weight	57 lbs (26 kg)
Handlebar Height	31 in – 49 in (78.7 cm – 124.5 cm)
Accessories	Premium Generac Pro Trimmer Cord (225-mil Sawtooth Cord, 82' Roll), Quick-Lock Pre-Cut Cord (155-mil green, 13", 48 Pk), Quick-Lock™ Pre- Cut Cord (13" Pre-Cut 175-mil, 48 Pk), DuraBlade® Kit for Trimmer Mower, TrimSafe Guard Kit

Engine Specifications	
Engine	Generac G-Force
Starting Type	Manual
Fuel Tank Capacity	.21 gal (.8 L)
Oil Capacity	16.9 oz (.5 L)
Oil Type	See chart in <a href="#">Adding Oil</a> .
Spark Plug	TORCH K7RTC or equivalent
Spark Plug Gap	.019-.027 in (0.5-0.7 mm)

A complete specification sheet is included in the documentation provided with the unit at the time of purchase. For additional copies, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or [www.generac.com](http://www.generac.com)

### Emissions

The United States Environmental Protection Agency (US EPA) (and California Air Resources Board (CARB), for engines/equipment certified to California standards) requires that this engine/equipment complies with exhaust and evaporative emissions standards. Locate the emissions compliance decal on the engine to determine applicable standards. For emissions warranty information, please reference the included emissions warranty. It is important to follow the maintenance specifications in the manual to ensure that the engine complies with the applicable emissions standards for the duration of the product's life.

## Section 3: Operation

### **⚠️WARNING**

Personal injury. Never use this machine for other than the intended purpose of trimming, mowing grass, weeds, and other growth as specified in the Owner's manual. Failure to do so could result in serious injury or equipment damage. (000487)

### **⚠️WARNING**

Personal injury. Never put hands, face, feet, or clothing under the deck or near the discharge area while the unit is running. Doing so could result in death or serious injury. (000451)

### **⚠️WARNING**

Accidental startup. Shut engine OFF, allow to cool, and remove plug wire before clearing debris from trimmer guard. Failure to do so could result in death or serious injury. (000579)

### **⚠️WARNING**

Projectile risk. Remove all debris from work area before operating unit. Failure to do so could result in death, serious injury, or property or equipment damage. (000410)

### **⚠️WARNING**

Projectile risk. Be aware of surroundings at all times when operating unit. Disengage mower blades if people or animals enter the work space. Failure to do so could result in death, serious injury, or property damage. (000408)

### **⚠️WARNING**

Risk of flying objects. Be aware of surroundings at all times. Release bail bar and shut engine OFF if people or animals enter within 100 ft of the work space. Failure to do so could result in death or serious injury. (000485)

### **⚠️WARNING**

Risk of flying objects. Shut engine OFF when traveling over loose items such as gravel or mulch. Failure to do so could result in serious injury or property damage. (000486)

### **⚠️WARNING**

Personal injury. Use caution when trimming around fencing, wires, ropes, and hoses. These can become tangled around the line plates of the machine, and could result in serious injury or equipment damage. (000489)

### **⚠️WARNING**

Personal injury. Use caution when operating unit over uneven terrain or slopes. Failure to do so could result in death, serious injury, equipment or property damage. (000460)

### **⚠️CAUTION**

Equipment damage. Clear the engine of grass and debris before each use. Failure to do so could result in engine damage. (000490)

## Operation and Use Questions

Contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or [www.generac.com](http://www.generac.com) with questions or concerns about unit operation and maintenance.

## Before Starting Engine

**IMPORTANT NOTE:** Oil must be added before starting the engine for the first time. Units are shipped without oil. Do not overfill.

1. See [Figure 1](#). Check engine oil level (A). See [Attaching Cord Caddy](#) for more information.

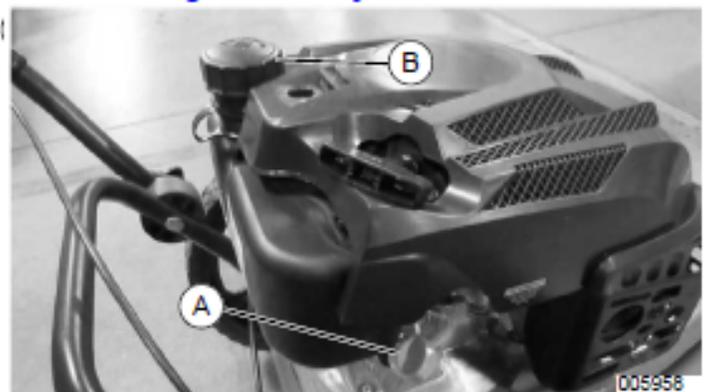


Figure 3-1. Oil and Fuel Fill

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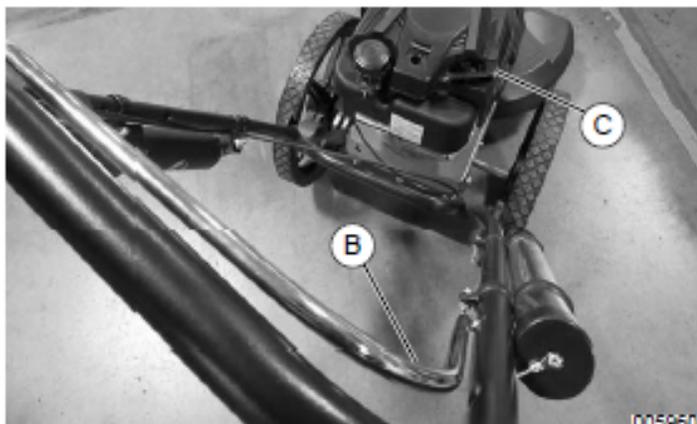
## Starting the Unit

1. See [Figure 3-3](#). For cold start push primer (A) three times before starting. This step is not required when starting a warm engine which has already run for a few minutes.



*Figure 3-2. Primer Bulb*

1. See [Figure 3-3](#). To engage trimmer head, pull bail bar (B) back to the handlebar. Release handle to stop engine.



*Figure 3-3. Throttle Control Lever and Key Switch*

2. Grasp recoil starter handle (C) and slowly pull until resistance is felt. Let the cord retract slightly and then pull the cord rapidly to start the engine.

## Stopping the Engine

Release bail bar.

## Operating Tips

- Experiment with different cord weights to determine the best cord weight for different mowing and trimming applications.
- Use the smallest diameter cord for the application run at the highest engine speed.
- When trimming, allow the front end of the machine to rest lightly on the Mow-Ball<sup>®</sup> or keep the mow ball raised slightly above the ground.
- When mowing, the Mow-Ball should glide on the ground.
- Do not lift the handlebar while operating the unit. Lifting the handlebar uses more energy, slows cutting speed, and produces an unsatisfactory cut.
- The Trimmer/Mower<sup>™</sup> can be used to trim or mow wet material.
- See [Figure 3-4](#). Cut and trim tall grass and weeds with cutting material to the left of the unit, maintaining a clear discharge area to the right.



*Figure 3-4. Cut with the Material to the Left*

## Heavy Growth

- Use a 225-mil sawtooth cord on thicker growth such as berry canes, brambles, thistles, or ragweed.
- Ease the cutting cords into dense growth slowly.
- Cut heavy grass in multiple passes. On the first pass lift the trimmer head off the ground a few inches by pushing down on the handlebar and cut the material at this height. Make a second pass with the Mow-Ball<sup>®</sup> close to the ground.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. **IF** there is any doubt as to the operation or safety of the equipment, **DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!!FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**