

Owner's Manual

Trimmer/Mower™



005813

MODEL NUMBER: _____

SERIAL NUMBER: _____

DATE PURCHASED: _____

Register your Generac product at:
WWW.GENERAC.COM
1-888-GENERAC
(888-436-3722)

SAVE THIS MANUAL FOR FUTURE REFERENCE

 **WARNING**

CANCER AND REPRODUCTIVE HARM

www.P65Warnings.ca.gov

(000393a)

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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



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 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 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)

Safety and Operating Decals

This unit features numerous safety and operating decals. These decals provide important operating instructions and warn of dangers and hazards. Replace damaged or missing safety and operating decals immediately.



Section 2: General Information and Setup

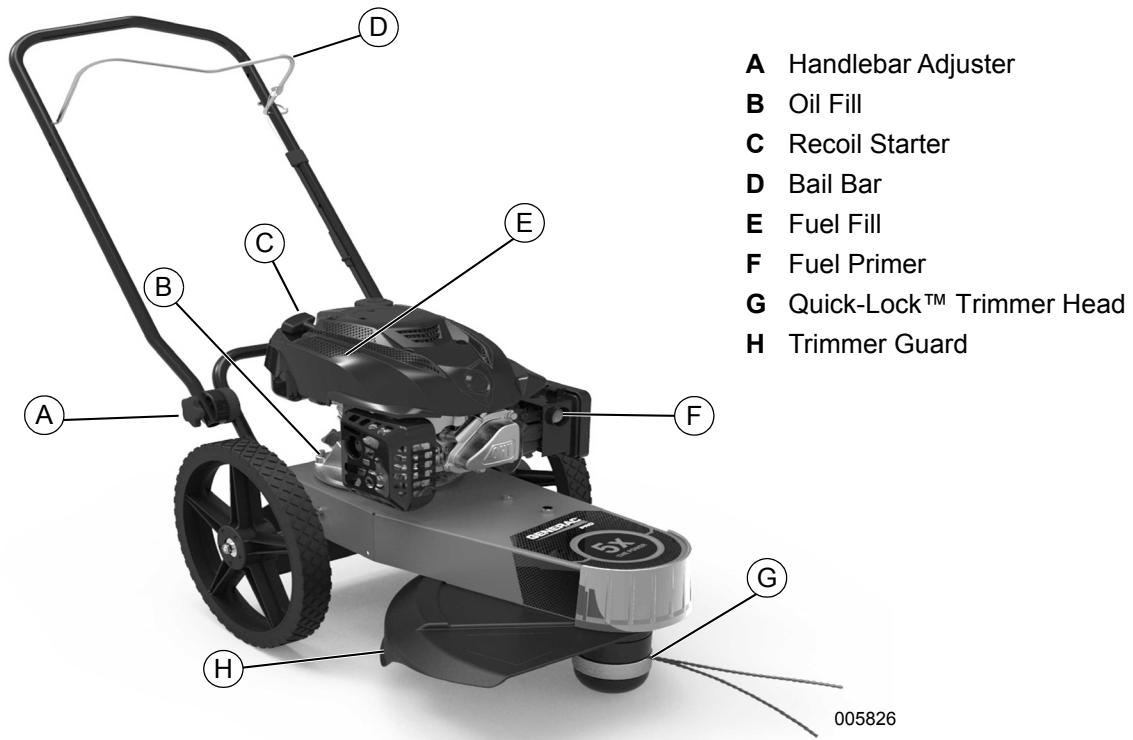


Figure 2-1. Features and Controls

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 Adding Oil .
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

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.

Remove Contents from Carton

1. See [Table 1](#). Remove and verify carton contents prior to assembly. Carton contents should contain the following:

Table 1 – Parts Supplied

Description	QTY
Nut, Nylon Lock, 7/16-20, LP	2
Cord Caddy	1
#10 Screw	2
#10 Nylon Locknut	2

2. Contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com with the unit model and serial number for any missing carton contents.
3. Record model, serial number, and date of purchase on front cover of this manual.

Installing Wheels

1. See [Table 2-2](#). Insert .510" X .875" X .1" washer (A) onto axle.

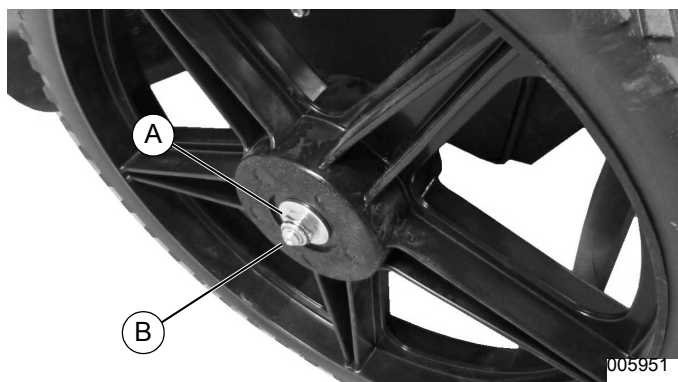


Figure 2-2. Wheel Installed

2. Slide wheel onto axle with plastic hub facing out.
3. Install 7/16-20 locknut (B).
4. Repeat for the other wheel.

Adjusting Trimmer/Mower Handlebar

1. See [Figure 2-3](#). Verify handlebar mounting bolts (A) are tight.

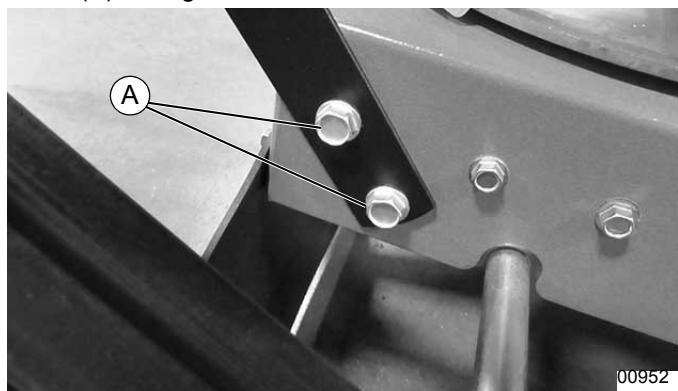


Figure 2-3. Lower Handlebar Bolts

2. See [Figure 2-4](#). Loosen adjustment knob (B) on both sides and position handlebar at comfortable height.

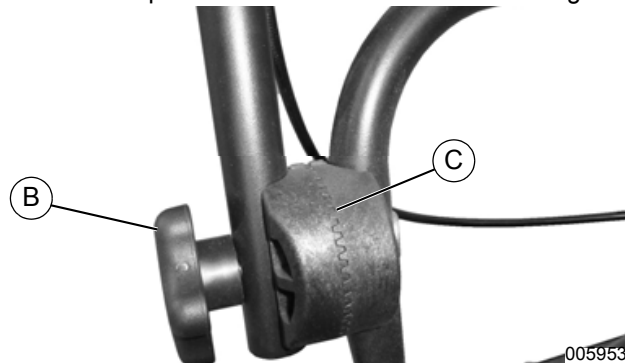


Figure 2-4. Handlebar Adjustments

3. Tighten both adjustment knobs.

NOTE: Verify adjuster teeth (C) mesh.

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).

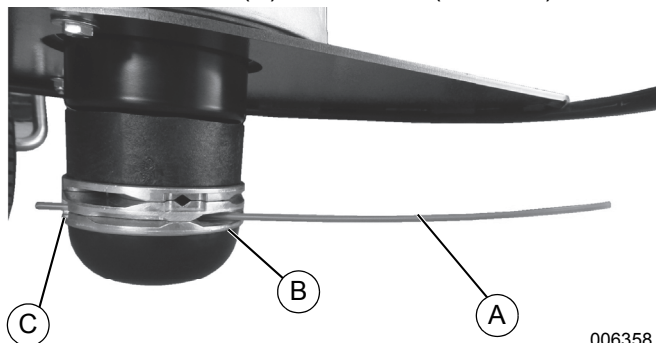


Figure 2-5. Installing Cutting Cords

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.

Adding Fuel



⚠ DANGER

Explosion and Fire. Fuel and vapors are extremely flammable and explosive. Add fuel in a well ventilated area. Keep fire and spark away. Failure to do so will result in death or serious injury. (000105)



⚠ DANGER

Explosion and Fire. Do not fill fuel tank past full line. Allow for fuel expansion. Overfilling may cause fuel to spill onto engine causing fire or explosion, which will result in death or serious injury. (000214)



⚠ 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)

NOTE: Never use contaminated gasoline or mixed gasoline with oil. don't allow dust, foreign matter or water to enter into the fuel tank.

1. Place unit on a firm, level surface in a well ventilated area.
2. Verify unit is OFF and cooled for a minimum of two minutes,
3. See [Figure 2-9](#). Clean area about fuel cap (A) and remove cap slowly (A).

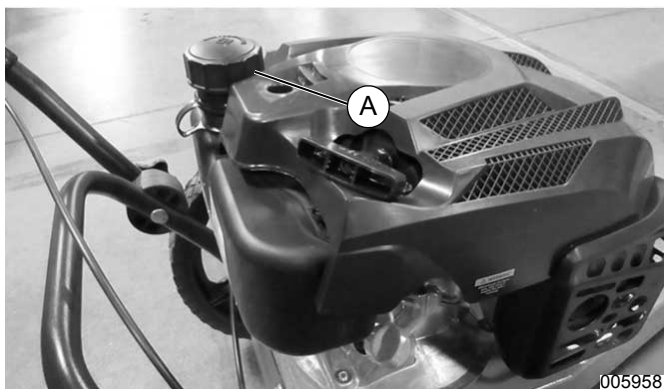


Figure 2-9. Fuel Cap Location

4. Fill tank with fresh, unleaded gas (with a minimum 85 octane rating) to 0.25 in (6.4 mm) from the bottom of the fill neck to allow for fuel expansion.
5. Install fuel fill cap.

NOTE: Allow spilled fuel to evaporate before starting unit.

High Altitude Replacement Kit

At high altitude, the standard carburetor air-fuel mixture will be too rich. Performance will decrease and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting. Operation at an altitude that differs from that at which this engine was certified, for extended periods of time, may increase emissions.

Proper operation at higher altitudes can be ensured by installing an altitude kit when required. See [Table 3: High Altitude Replacement Kit](#) to determine when an altitude kit is required.

Table 3 – High Altitude Replacement Kit

Altitude Range	Part Number
0-3000 ft	Not required
3000-6000 ft	10000035131
6000-8000 ft	10000035106

Kits can be obtained by contacting Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com. Kits must be installed by a qualified individual.

NOTE: If a carburetor is replaced, the proper high altitude kit jet will need to be installed into the replacement carburetor.

NOTE: The warranty may be void if necessary installation of a high altitude kit is not made for high altitude use.

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 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.

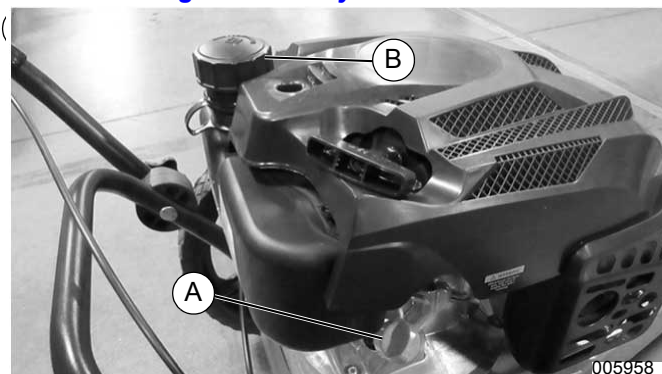


Figure 3-1. Oil and Fuel Fill

2. Check fuel level (B).

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.

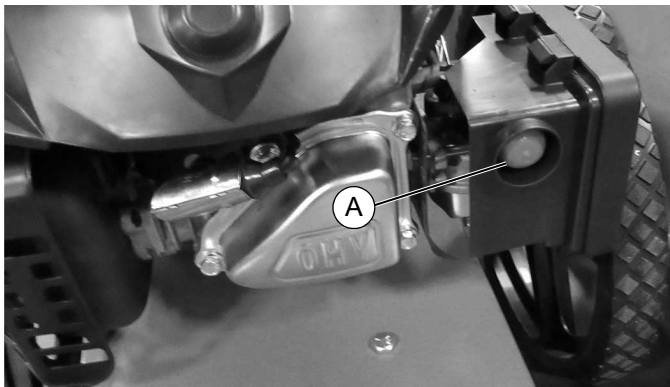


Figure 3-2. Primer Bulb

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

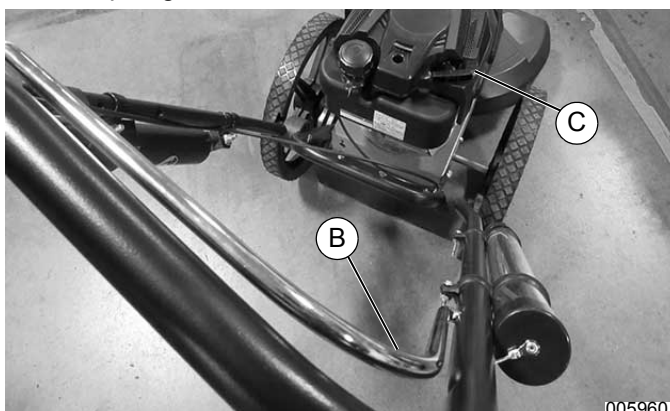


Figure 3-3. Throttle Control Lever and Key Switch

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® 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™ 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 rag-weed.
- 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® close to the ground.

Section 4: Maintenance and Troubleshooting

Maintenance

Regular maintenance will improve performance and extend engine/equipment life. Regular maintenance, replacement, or repair of the emissions control devices and systems may be performed by any repair shop or person of the owner's choosing. To obtain emissions control warranty service free of charge, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com. See the emissions warranty.

WARNING

Accidental Start-up. Disconnect spark plug wire when working on unit. Failure to do so could result in death or serious injury.

(000102)



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)

Maintenance Schedule

Procedure	Before Each Use	Every 25 Hours	Every 50 Hours	Every 100 Hours
Check engine oil level	●			
Clean engine exterior, cooling fins, and remove collected grass*	●			
Check general equipment condition	●			
Replace broken or frayed cutting cords	●			
Check Quick-Lock™ plate assembly for excessive wear	●			
Check trimmer belt for stretching and replace if necessary. See Replacing Trimmer Belt	1st time 2 hours	●		
Lubricate engine control cable with SAE 30 oil		●		
Replace engine oil	1st time 5 hours	●		
Replace engine air filter cartridge and foam pre-filter if equipped		●		
Remove trimmer guard and clean out any collected debris		●		
Replace spark plug				●
* Cleaning the top of the engine during use is critical for proper air flow.				

Replacing Quick-Lock Head

Quick Lock Head Disassembly

1. See [Figure 4-1](#). Align the hole in the anti wrap canister (A) with the hole in the internal housing.

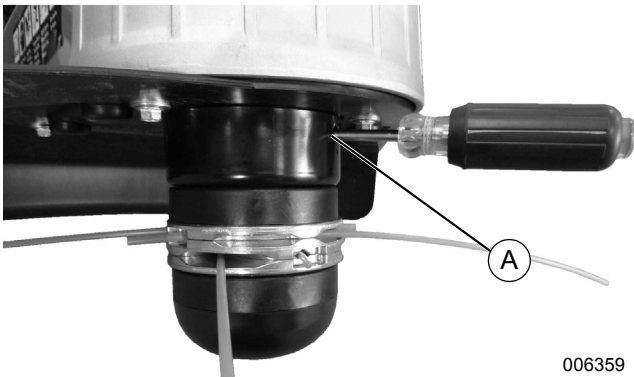


Figure 4-1. Quick Lock Head Disassembly

2. Insert a Phillips-head screwdriver through the hole in the anti wrap canister and into the hole in the internal housing.
3. Rotate the Mow-Ball® assembly until the screw driver slides into a hole in the shaft.
4. Turn the Mow-Ball® clockwise and unscrew the Mow-Ball from the bearing house.

NOTE: If the Mow-Ball® continues to turn, but does not come off, verify the screwdriver is locked into the shaft.

NOTE: If the Mow-Ball will not turn by hand, loosen the bolt in the bottom of the Mow-Ball® with a 9/16" socket.

5. Slide the line plates off the shaft.

Quick-Lock Head Assembly

NOTE: Improper installation can damage trimmer bearings.

1. See [Figure 4-2](#). Install molded spacers (A), quick lock (B) and adapter (C) onto the shaft.

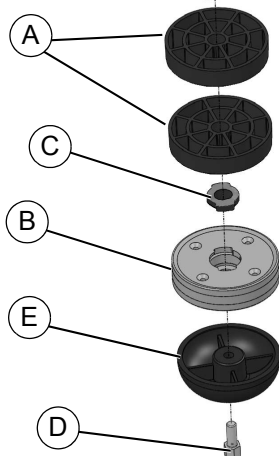


Figure 4-2. Cord Head Assembly

2. Place Mow-Ball® bolt (D) into the hex cavity of Mow-Ball (E).
3. See [Figure 4-3](#). Align the hole in the anti wrap canister with a hole in the internal housing and insert a Phillip head screwdriver through both holes (F).

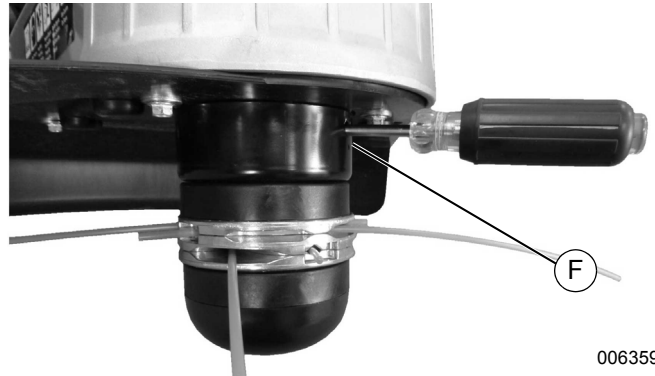


Figure 4-3. Quick Lock Head Assembly

4. While holding the Mow-Ball bolt head in place turn the Mow-Ball counterclockwise to start the bolt onto the shaft.
5. Continue turning the Mow-Ball until tight.

WARNING

Personal injury. Verify all tools have been removed from unit after service. Failure to do so could result in personal injury or equipment damage.

(000491)

Head Height Adjustment

The following steps adjust cord head height in 1-1/2 in (3.81 cm) increments.

1. See [Figure 4-4](#). Remove Mow-Ball (A) quick lock (B) and adapter, and spacers (C) off the shaft. Do not remove anti-wrap canister (D). See [Quick Lock Head Disassembly](#).
2. For a middle cutting height setting, install one spacer (B), the quick lock with adapter (C), followed by the second spacer (B) onto shaft.

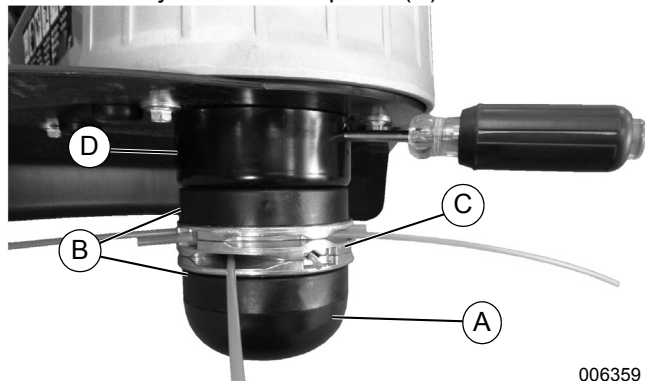


Figure 4-4. Middle Cutting Height Setting

- See **Figure 4-5**. For the highest trimmer setting, install the quick lock with adapter (C), followed by both spacers (B) onto the shaft.
- Place Mow-Ball® bolt into the hex cavity of Mow-Ball (A).
- While holding the Mow-Ball bolt head in place turn Mow-Ball counterclockwise to start the bolt onto the shaft.
- Continue turning the Mow-Ball until tight.

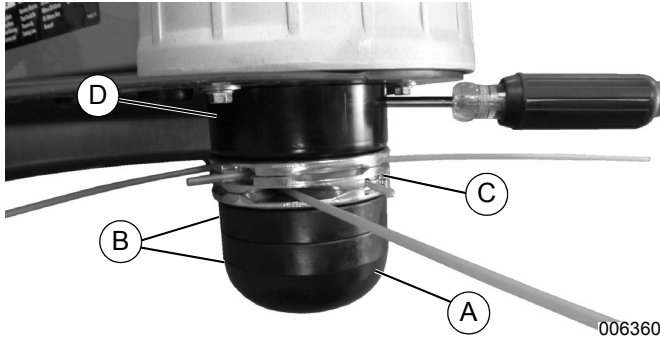


Figure 4-5. Highest Cutting Height Setting

⚠ WARNING

Personal injury. Verify all tools have been removed from unit after service. Failure to do so could result in personal injury or equipment damage.

(000491)

Maintaining Cord Head

- See **Figure 4-6**. Remove Mow-Ball (A), quick lock with adapter (B), and molded spacers (C) from shaft. Do not remove anti-wrap canister. See **Quick Lock Head Disassembly**.

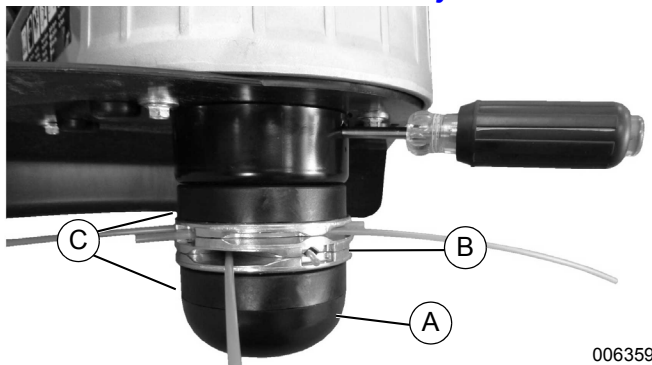
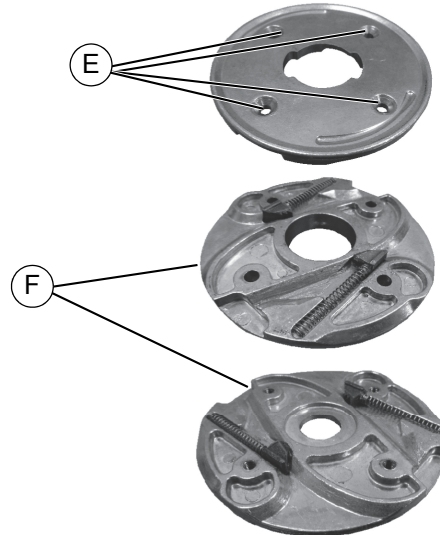


Figure 4-6. Cord Head Disassembly

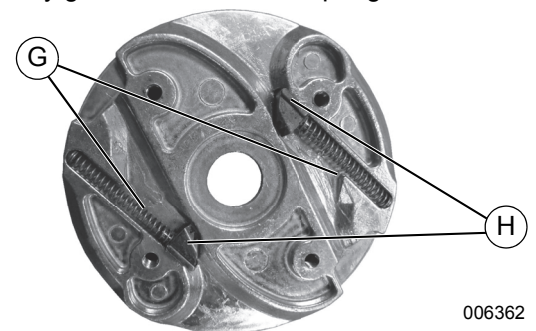
- See **Figure 4-7**. Remove the four screws (E) securing line plates (F) together with a 3 mm Allen wrench.



005973

Figure 4-7. Cord Head

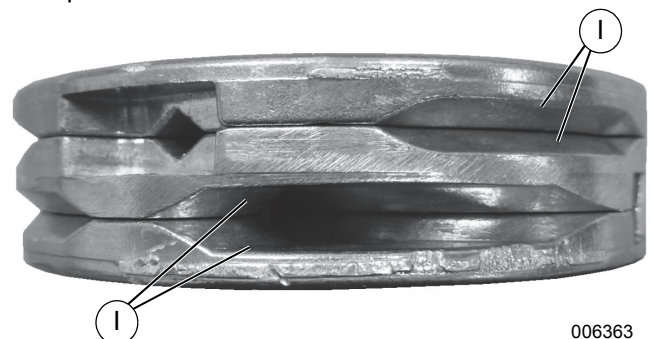
- See **Figure 4-8**. Remove springs (G) and locking cams (H) from the middle and bottom plates and clean any grass or debris from springs and cams.



006362

Figure 4-8. Springs and Locking Cams

- Clean all plates using a nylon brush and clean rag.
- Inspect springs and cams for damage. If any parts are damaged, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com to order a replacement.
- Reinstall springs and locking cams and verify springs and cams are seated fully into plate grooves.
- See **Figure 4-9**. Assemble the plate and verify the plates align properly. The four screw holes on top must align and cutouts (I) should align from plate to plate on the sides.



006363

Figure 4-9. Plate Assembly

8. Secure the cord head assembly with four screws using a 3 mm Allen wrench.
9. See [Figure 4-10](#). Install cord head (J) and adapter onto the shaft.

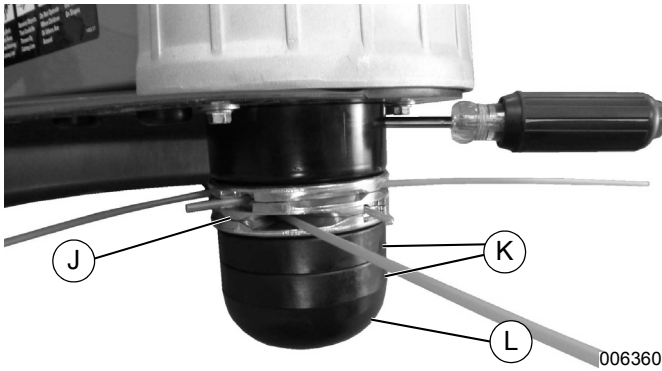


Figure 4-10. Assembly

10. Install molded spacers (K) onto shaft.
11. Reinstall Mow-Ball (L). See [Head Height Adjustment](#).

⚠ WARNING

Personal injury. Verify all tools have been removed from unit after service. Failure to do so could result in personal injury or equipment damage.

(000491)

Replacing Trimmer Belt

NOTE: Use only Generac Pro belts. To order a replacement, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com.

1. Tip the machine back to allow access to the underside of the unit.
2. See [Figure 4-11](#). Remove trimmer cords from head assembly.
3. Remove four trimmer guard bolts and flat washers (B) with a 3/8" wrench. Remove trimmer guard.

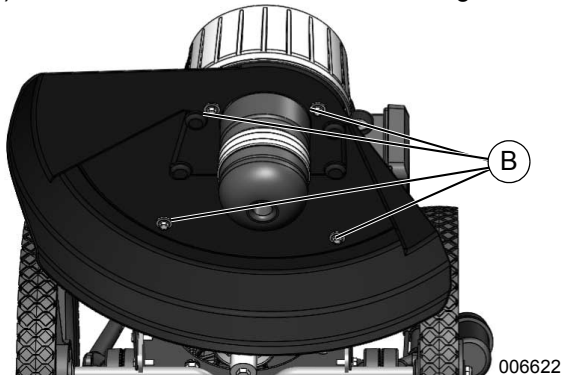


Figure 4-11. Trimmer Guard

4. See [Figure 4-11](#). Move idler arm (C) away from belt (D) and lift belt off idler pulley (E).

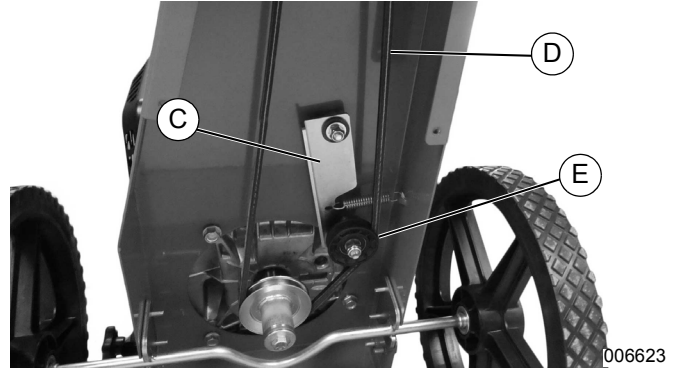


Figure 4-12. Assembly

5. Remove belt from around engine and head assembly pulleys
6. Install a **new** drive belt around engine and head assembly pulleys.
7. Move idler in and install belt onto idler pulley.
8. Secure trimmer guard with four bolts and flat washers using a 3/8" wrench.
9. Install trimmer cord.

Changing Air Filter

To order a replacement air filter, contact Generac Customer Service at 1-888-436-3722 (1-888-GENERAC), or www.generac.com.

1. See [Figure 4-13](#). Remove air filter cover (A).
2. Remove filter (B)..
3. Install **new** filter.
4. Install air filter cover.

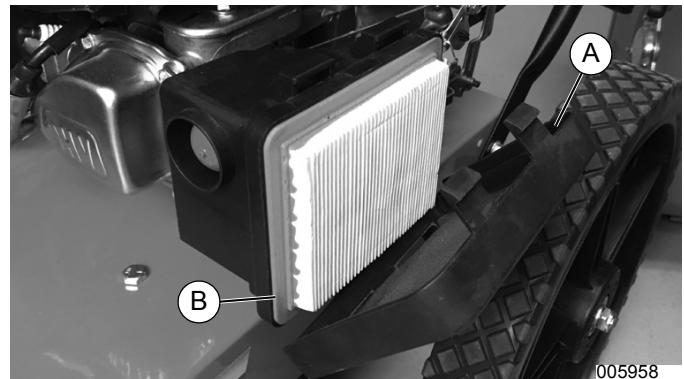


Figure 4-13. Air Filter Replacement

Changing Engine Oil

CAUTION

Engine damage. Verify proper type and quantity of engine oil prior to starting engine. Failure to do so could result in engine damage.

(000135)

WARNING

Skin irritation. Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals. Thoroughly wash exposed areas with soap and water.

(000210)

NOTE: Drain oil when engine is warm. Warm oil drains more completely.

1. Clean area around oil fill.
2. See [Figure 4-14](#). Remove oil cap/dipstick (A).
3. Position a suitable oil receptacle beside oil fill tube.
4. Verify fuel filler cap (B) is securely tightened.

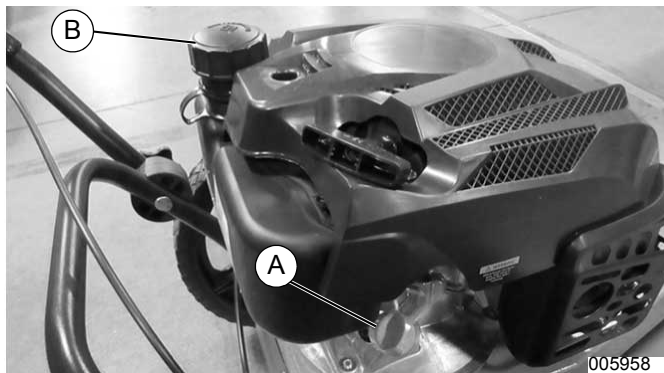


Figure 4-14. Changing the Oil

5. Tip machine over receptacle and drain oil out the oil filler tube and into the receptacle
6. Add 14 oz (414 mL) of engine oil. See [Adding Oil](#) for oil requirements.
7. Wait one minute for oil to settle.
8. See [Figure 4-15](#). Reinsert dipstick into oil filling hole without screwing it in and verify oil level is in the crosshatched section (A).

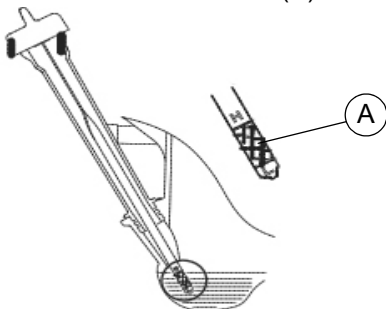


Figure 4-15. Oil Range

9. If oil is low add a few ounces of oil at a time. Check dipstick frequently to prevent overfill. Do not overfill
10. Install oil fill cap/dipstick and hand-tighten.

Servicing Spark Plug

To ensure the engine runs efficiently, the gap of the spark plug must be correct. To service the spark plug:

1. Clean area around spark plug.
2. Remove spark plug.
3. Clean the electrodes with a metal brush and remove any build up.
4. See [Figure 4-16](#). Measure spark plug clearance with a feeler gauge. The clearance should be .019-.027 in (0.5-0.7 mm). If adjustment is necessary, bend the side electrode carefully.

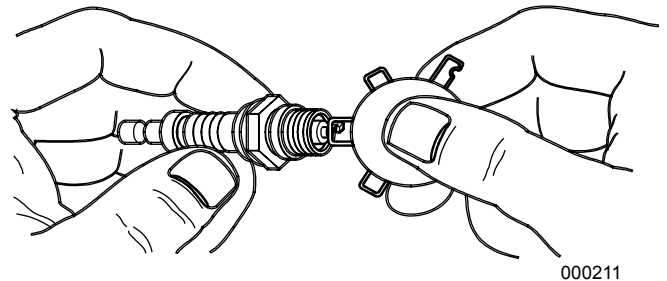


Figure 4-16. Spark Plug

5. Replace spark plug if electrodes are pitted, burned or porcelain is cracked. Use only a TORCH K7RTC or equivalent.
6. Install spark plug finger tighten and tighten an additional 3/8 to 1/2 turn using spark plug wrench.

Replacing Wheels

1. See [Figure 4-17](#). Loosen locknut (A) with the wheel on the ground using a 5/8" wrench.



Figure 4-17. Wheel Replacement

2. Use a suitable lifting device and raise the machine to allow wheel removal.
3. Remove the locknut and slide the wheel off.
4. Replace the wheel and finger tighten the locknut before lowering the machine.
5. Tighten the locknut with the wheel on the ground.

Troubleshooting

Symptom	Possible Cause
Engine will not start manually. Refer to the engine owner's manual for engine-specific procedures.	Verify throttle lever is in RUN position
	Verify throttle cable is attached to engine and moves freely.
	Air filter may be dirty. Change as necessary.
	Replace spark plug(s) if dirty or cracked. If spark plug(s) is oily, leave it out, hold a rag over the plug hole(s) and crank the engine several times to blow out any oil in the cylinders. Wipe off plug(s) and reinsert.
	Fuel may be old. Change as necessary.
	Contact Generac Customer Service at 1-888-436-3722, or www.generac.com .
Engine smokes	Check engine oil level.
	Verify machine is not on a steep incline.
	Air filter may be dirty. Change as necessary.
	Verify oil type. Engine may smoke if oil is too light for temperature.
	Inspect cooling fins. Clean as necessary.
	Contact Generac Customer Service at 1-888-436-3722, or www.generac.com .
Recoil will not pull out or is difficult to pull	Check engine oil level.
	Check for oil compression lock. Remove the spark plug, hold a rag over spark plug hole, and pull recoil cord several times to blow out any oil in the cylinder.
	Try to turn engine pulley by hand and with spark plug removed. If engine pulley turns the recoil is broken or jammed.

Symptom	Possible Cause
<p>Engine lacks power or is not running smoothly.</p> <p>Refer to the engine owner's manual for engine-specific procedures.</p>	Verify throttle is in RUN position when engine is warm.
	Verify throttle cable is attached to engine and moves freely.
	Inspect air filter intake for clogging.
	Verify engine blower house, throttle linkage and cooling fins are free of debris. Clean as necessary.
	Air filter may be dirty. Change as necessary.
	Remove spark plug wire and dry connection with a rag.
	Spark plug may be dirty or cracked. Change as necessary. If spark plug is oily, leave it out, hold a rag over the plug hole(s) and crank engine several times to blow out any oil in the cylinders. Wipe off plug and install.
	Fuel may be old. Change as necessary.
	Check engine oil level.
	Contact Generac Customer Service at 1-888-436-3722, or www.generac.com .
<p>Trimmer head won't spin or lacks power</p>	Verify V-belt is properly aligned. See Replacing Trimmer Belt
	Inspect belt for wear.
	Contact Generac Customer Service at 1-888-436-3722, or www.generac.com .
<p>Cutting cords breaking</p>	Store cords in a plastic bag with a damp sponge or cloth to make them more pliable or store them in a bucket of water for a few days.
	Cutting too fast. Ease into the material. Let the cord tips do the work. Take small bites of tall or tough vegetation. Cut half a swath at a time, keeping the cut area to the right side of the trimmer. Go over tall material twice, the first time with the trimmer head tilted up and back; the second time with the Mow-Ball® on the ground.
	Cords striking a stone, chain-link fence, or other obstacle. Approach hard obstacles slowly and avoid contact.
<p>Quick-Lock™ head is wearing too quickly</p>	Avoid pushing the trimmer head down into the ground. The trimmer/mower works best with the Mow-Ball® resting easily on the ground or slightly raised.
	The Mow-Ball® is striking rocks, concrete driveways or other hard obstacles. Approach hard obstacles slowly and avoid contact.

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