



Walk-Behind String Trimmer Mower

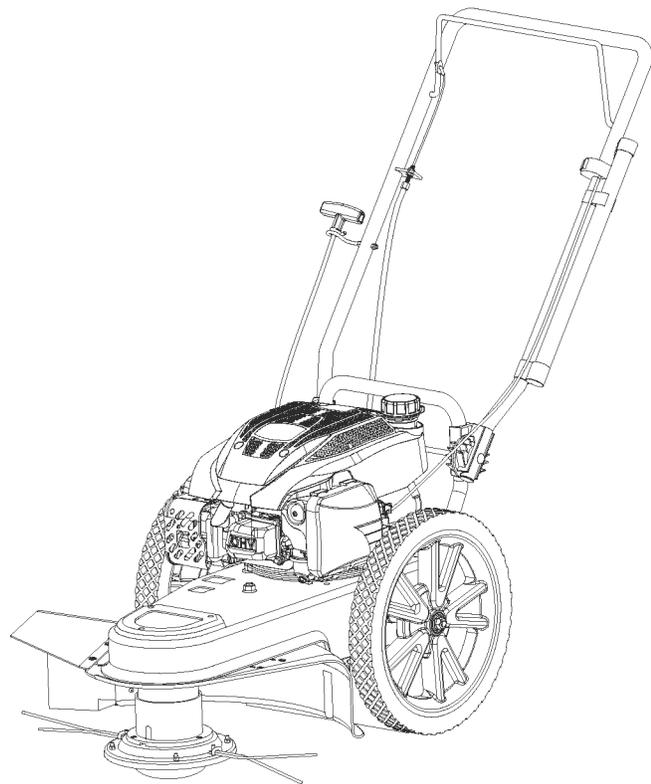
Operator's Manual

MODEL NUMBER
YL2250

SERIAL NUMBER

PURCHASE DATE

Both model number and serial number may be found on the main label. (See **Page 2, Figure 1**) You should record both of them in a safe place for future use.



⚠ WARNING

**READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE OPERATING THE MACHINE.
FAILURE TO COMPLY WITH THE SAFETY INSTRUCTIONS IN THE MANUAL MAY RESULT IN
PERSONAL INJURY.**

Your new YARDMAX® string trimmer mower offers quality construction and is easy and safe to operate. With proper use and care, it is designed to give you many years of dependable service.

Take on any job with ease, portability, and convenience while experiencing the durability of your new lawn mower!

Discover the YARDMAX Advantage

At YARDMAX, we understand that land ownership has its privileges, but it also comes with a great deal of responsibility. When duty calls and you need to respond, will you have what it takes to tame the great outdoors?

When looking for outdoor power equipment (OPE) to get the job done right, at the right price, YARDMAX delivers the perfect combination of performance and practicality. YARDMAX has a solution that's right for you.

MAX Performance, MAX Value, MAX Support – that's YARDMAX

- ✓ Backed by decades of proven manufacturing expertise
- ✓ Enhanced design features come standard
- ✓ Engineered for the best user experience
- ✓ Quality metal parts are used instead of plastic
- ✓ A robust warranty supports all products
- ✓ Budget-friendly prices make it practical



Up for the job? YARDMAX is.

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! WARNING Carefully read through this entire operator's manual before using your new unit. Pay attention to all cautions and warnings.

Your new walk-behind string trimmer mower will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find it easy and safe to operate, and with proper care, it will give you many years of dependable service.

ENGINE MANUAL

The **Engine Manufacturer** is responsible for all engine-related issues with regards to performance, power rating, specifications, warranty, and service. For more information, please refer to the **Engine Manufacturer's** owner/operator's manual, packed separately with your unit.

EMISSION CONTROL SYSTEM

This equipment or its engine may include exhaust and evaporative emission control system components required to meet U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations. Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by an authorized engine manufacturer's service center.

! WARNING CALIFORNIA PROPOSITION 65 WARNING
 Engine exhaust, some of its constituents and certain product components contain or emit chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

ENVIRONMENTAL



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses, and packaging should be sorted, taken to the local recycling center and disposed of in an environmentally safe way.

MODEL AND SERIAL NUMBERS

Record the model and serial number as well as date and place of purchase for future reference. Have this information available when ordering parts or optional accessories and when making technical or warranty inquiries.

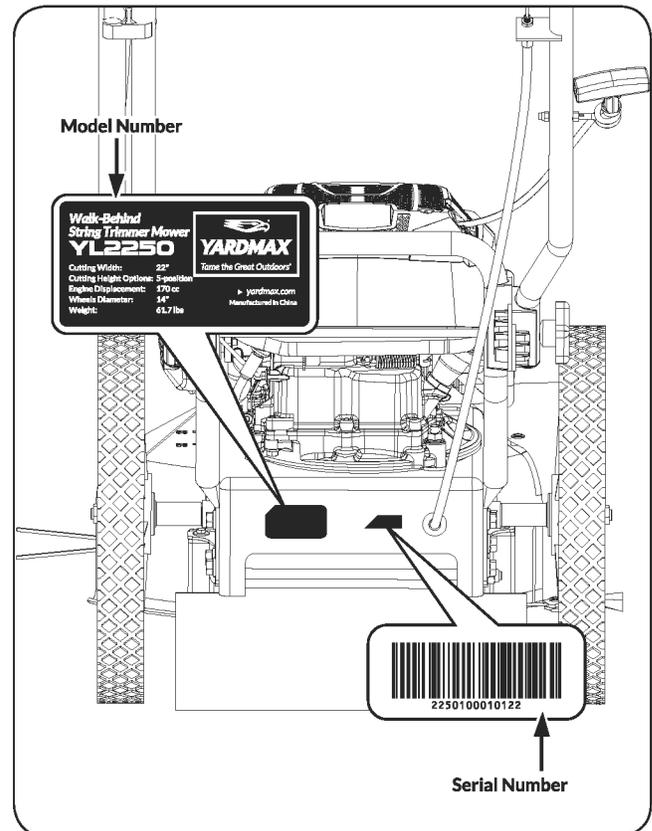
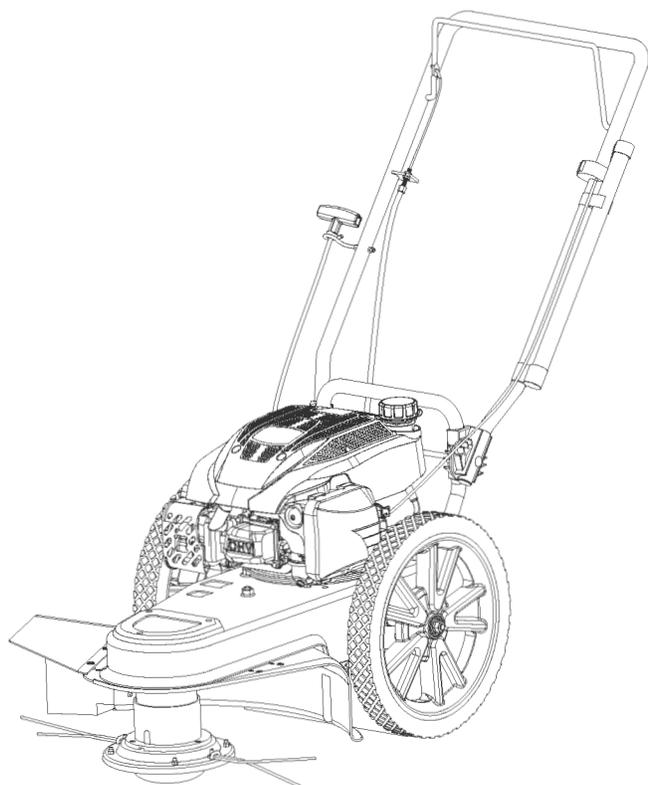


Figure 1

DISCLAIMER

YARDMAX reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not apply to your unit.



SUPPORT

Have questions about your YARDMAX equipment?
Call us at 847-327-0566 or 844-YARDMAX, email
us at support@yardmax.com, or contact us via your
favorite social media site.

SPECIFICATIONS

Model #	YL2250
Lawn Mower Type	Trimmer Mower
Cutting Width	22"
Max. Cutting Height	3.5"
Min. Cutting Height	1.5"
Cutting Height Options	5 positions
Cutting Options	Mulch
Trimmer Line Diameter	0.155"
Deck Material	12 Gauge Steel
Deck Type	Stamped
Engine Make	OEM Branded
Power Type	Gas
Engine Type	4 Cycle
Starting System	Recoil
Engine Displacement	170cc
Engine Torque	7.00 ft.-lb
Fuel Tank Capacity	0.21 gal.
Engine Oil Capacity	16.9 oz.
Recommended Oil Type	SAE 10W-30
Wheel Height	High Wheel
Wheel Size	14"
Recommended Terrain	Flat, Sloped, Uneven
Size of Yard	1/2 - 1 Acre
Number of Handlebar Positions	2
Product Weight (lb.)	61.7 lb
Dimensions (L x W x H)	53" x 22.5" x 35.5"
Included	Engine Oil, Cord Caddy / Line Storage

SYMBOLS

The decals on your machine may show symbols. These represent important information about the product or instructions on its use.



DANGER
WARNING
CAUTION



Read these instructions carefully.



Wear approved hearing protection.



Wear eye protection with side shields marked to comply with ANSI Z87.1.



Do not touch parts that are hot from operation. It may result in serious burns. Engine parts, especially the muffler, become extremely hot during operation. Allow engine and muffler to cool before touching.



Do not remove or tamper with the protection and safety devices.



Rotating parts can cause serious injury. Keep away from rotating parts. Disconnect spark plug wire before making adjustments.



Never fit metal cutting parts—Do not attach any metal parts to the cutting head of this machine.



Keep hands and feet away from the rotating lines.



Never start or run the engine inside a closed area or in a poorly ventilated area. The engine exhaust contains carbon monoxide, an odorless and deadly gas.



Shut off the engine, disconnect the spark plug wire, and make sure all moving parts have stopped before cleaning, repairing, or inspecting the unit.



Gasoline and its vapors are extremely flammable and explosive. Never fuel the machine indoors or while the engine is hot or running. Wipe up any gasoline that spills. Keep away from any inflammable when operating the engine.



Stop engine and remove ignition key before leaving the operator's position.



Be aware, objects may be thrown while in use.

Thrown objects can result in personal injury or property damage.



Use extra caution on slopes. The machine is heavy and can speed up when going downhill. Be prepared to maintain control of the machine. To avoid loss of control, operate across slopes, not up and down. When turning, turn uphill, not down. Do not operate on slopes greater than 15 degrees.



Be careful with the direction of the rotating line.



Do not operate when children or others are around.

SAFETY

The definitions below give the level of severity for each signal word.



DANGER

This symbol points out important safety instructions.

This machine was built to be operated according to the safe operation practices in this manual. Carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating fingers, hands, toes, and feet and throwing foreign objects. Failure to observe the safety instructions could result in serious injury or death.



WARNING

This symbol points out safety instructions. Read and follow

all instructions before attempting to operate this machine. Failure to comply with these instructions may result in personal injury.



CAUTION

This symbol indicates a hazard, which, if not avoided,

may result in minor or moderate injury.



NOTE

This information makes the product easier to use.

GENERAL SAFETY RULES

UNDERSTAND YOUR MACHINE

Read this manual and labels affixed to the machine to understand its limitations and potential hazards before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manuals before operation.

Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.

Make sure to read and understand all the instructions and safety precautions as outlined in the Engine Manufacturer's manual packed separately with your unit. Do not attempt to operate the machine until you fully understand how to operate and maintain the engine and how to avoid accidental injuries and/or property damage.

Keep this manual and engine manual in a safe place for future and regular reference.

If the unit is to be used by someone other than the original purchaser or loaned, rented, or sold, always provide this manual and any needed safety training before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, other people, and property.

Do not force the machine. Use the machine correctly. The machine does the job more efficiently and safely at the rate it was designed.

PERSONAL SAFETY

Do not permit children to operate this machine at any time. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use this machine.

To help avoid trimmer line contact or a thrown object injury, stay in the operator zone behind handles and keep children, pets, and other people not using the unit away from the work area. Be alert and shut off the unit if anyone enters the work area. Keep children under the watchful care of a responsible adult.

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or lightweight (e.g. canvas) shoes.

Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating or while performing an adjustment or repair.

Always use approved ear protection while you operate the product. Noise for a long period can cause noise-induced hearing loss.

Always keep hands and feet away from all moving parts and under the cutting deck. Contact with moving parts and trimmer lines or blades can amputate fingers, hands, toes, and feet.

Always keep hands and feet away from all pinch points.

Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.

Stay alert, watch what you are doing, and use common sense when operating the machine.

INSPECT YOUR MACHINE

Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc., are securely tightened.

Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing, or failed parts before using them. Check for fuel leaks. Keep the machine in safe working condition.

Do not use the machine if the engine's switch does not turn off the engine when running. Any gasoline-powered machine that can't be controlled with the engine switch is dangerous and must be replaced.

Regularly check to see that keys and adjusting wrenches are removed from the machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.

Avoid accidental starting. Be sure the engine's switch is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its switch on invites accidents.

If the machine starts to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning sign of trouble.

ENGINE SAFETY

If a spark arrestor is used, it should be maintained in effective working order by the operator. In the State of California, the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands.

Never start or run the engine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odorless and deadly gas. Operate this unit only in a well-ventilated outdoor area.

Do not tamper with the engine to run it at excessive speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. See engine manual.

Keep a Class B fire extinguisher on hand when operating this machine in dry areas as a precautionary measure.

The muffler keeps the noise levels to a minimum and sends the exhaust fumes away from the operator. Do not use the product if the muffler is missing or defective. A defective muffler increases the noise level and the risk of fire. Examine the muffler regularly to make sure that it is attached correctly and not damaged.

Muffler and engine become hot and can cause burns. Do not touch.

Do not modify the engine. To avoid serious injury or death, do not modify the engine in any way. Tampering with the governor setting can lead to a runaway engine and cause it to operate at unsafe speeds. Never tamper with the factory setting of engine governor.

FUEL SAFETY

Fuel is highly flammable, and its vapors can explode if ignited. Take precautions when using to reduce the chance of serious personal injury.

When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area. While adding fuel or operating the unit, do not smoke, and stay away from sparks, open flames, or other sources of ignition near the area of operation. Never fill the fuel tank indoors.

To avoid sparking or arcing, keep grounded conductive objects – such as tools – away from exposed, live electrical parts and connections. These events could ignite fumes or vapors.

Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the machine with known leaks in the fuel system.

Loosen the fuel tank cap slowly to relieve any pressure from fuel expansion.

Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine. Instead, move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.

If fuel is spilled on yourself or your clothes, wash your skin and change clothes immediately.

Store fuel in containers specifically designed and approved for fuel storage.

Store fuel in a cool, well-ventilated area, safely away from sparks,

open flames, or other sources of ignition.

Never store fuel – or a machine with fuel in the tank – inside a building where fumes may reach a spark, open flame, or any other source of ignition (such as a water heater, furnace, or clothes dryer). Allow the engine to cool before storing it in any enclosure.

Product liability

As referred to in the product liability laws, we are not liable for damages that our product causes if:

- Product is incorrectly repaired.
- Product is repaired with parts that are not from the manufacturer or not approved by the manufacturer.
- Product has an accessory that is not from the manufacturer or not approved by the manufacturer.
- Product is not repaired at an approved service center or by an approved authority.

SPECIFIC SAFETY RULES

Identify hazards and take preventive steps to avoid accidents and minimize risk. Possible hazards include, but are not limited to, moving parts, thrown objects, the weight of the machine and components, and the operating environment.

BEFORE STARTING

Thoroughly inspect the area to be worked, and remove all debris and hard or sharp objects like stones, sticks, glass, wire or bones which could be tripped over or picked up and thrown by the string trimmer mower. Do not operate the trimmer in lawns with large rocks and foreign objects which can damage the machine. And thrown objects can cause serious personal injury.

Do not use the product in bad weather, including fog, rain, moist or wet locations, strong winds, intense cold, and risk of lightning. Doing work in bad weather can cause fatigue and dangerous conditions, such as slippery surfaces.

Before starting your string trimmer mower make sure the shields, guards and safety devices are properly affixed to the machine, check the oil level, and make sure all nuts and bolts are tight.

Verify that the control lever is working properly. Make sure that the cable is free and that the control lever is not damaged.

Move the machine at least 10 feet away from the refueling point before starting the engine.

OPERATION SAFETY

Do not force the machine. Use the correct machine for your application. The correct machine will do the job better and safer at the rate at which it is designed. This equipment was designed specifically to cut vegetation and grass. Do not use this equipment for any other purpose.

Operate the product in daylight or good artificial light. Walk, never run.

Never operate a string trimmer mower in wet grass. Always be

sure of your footing; keep a firm hold on the handle and walk; never run.

Stop rotating the line when crossing gravel drives, walks, or roads.

Stay alert, watch what you are doing, and use common sense when operating the machine.

Do not overreach. Do not operate the machine while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that protects your feet and improves your footing on slippery surfaces. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.

Never place any part of your body where it would be in danger if the movement should occur during assembly, installation, operation, maintenance, repair, or moving.

Keep all bystanders, children, and pets at least 50 feet (15m) away. If you are approached, stop the unit immediately.

Trimmer line propels debris at high speed and can cause damage. Avoid pushing your trimmer over any areas with loose stones or gravel as they may become projectiles.

Do not put hands or feet near rotating parts. Contact with the rotating line can amputate hands and feet.

Always operate the machine from behind, never pass or stand in front of the machine when the engine is running.

If the unit strikes a foreign object, stop the engine, disconnect the spark plug, thoroughly inspect the machine for any damage, and repair the damage before restarting and operating the machine.

Shut the engine off and wait until the spindle comes to a complete stop before cleaning the discharge area. The spindle continues to rotate for a few seconds after the control lever is released. Never place any part of the body in the trimmer line area until you are sure the spindle has stopped rotating.

Keep combustible substances away from the engine when it is hot.

Do not tilt the machine while the engine is running.

The control bar is a safety device. Never bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating line. The control bar must operate easily in both directions and automatically return to the disengaged position when released.

Never operate the trimmer at high transport speeds on slippery surfaces. Many injuries occur as a result of the string trimmer being pulled over the foot during a fall caused by slipping or tripping. Do not hold on to the string trimmer if you are falling; release the handle immediately.

If the machine should start to make an unusual noise or vibration, immediately shut off the engine, disconnect the spark plug wire, and check for the cause. Unusual noise or vibration is generally a warning of trouble.

Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.

Never leave the operating position when the engine is running. Always shut down the engine, and ensure the engine is switched to "off" to prevent accidental starting, and wait for all moving parts to come to a complete stop before leaving.

Always stop the engine when the trimming is delayed or when transporting machine from one location to another.

To reduce exposure to vibration, limit the hours of operation and take periodic breaks to minimize repetition and rest your hands. Reduce the speed and force in which you do the repetitive movement. Try to fill each day with jobs where operating hand-held power equipment is not required.

SLOPE OPERATION

Slopes are a major factor related to slip and fall accidents, which can result in severe injury. Operation on slopes requires extra caution. The machine is heavy and can speed up when going downhill. Be prepared to maintain control of the machine. If you feel uneasy on a slope, do not work on it. If the slope is greater than 15 degrees, do not work on it.

Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release the control bar immediately and the line will stop rotating.

Do trim across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.

Remove objects such as rocks, tree limbs, etc.

Watch for holes, ruts, rocks, hidden objects, or bumps that can

cause you to slip or trip. Tall grass can hide obstacles.

Do not trim near drop-offs, ditches or embankments, because you could lose your footing or balance.

Do not trim on wet grass. Unstable footing could cause slipping.

This operator's manual cannot include all situations that can occur when you use the product. Be careful and use your common sense. Do not operate the product or do maintenance to the product if you are not sure about the situation. Contact Customer Support for assistance.

MACHINE USE AND CARE

Before cleaning, repairing, or inspecting the product, stop the engine and make certain the spindle and all moving parts have stopped. Disconnect the spark plug wire and ground against the engine and remove Electric Start Push Key (if equipped) to prevent unintended starting and causing personal injury.

Many components on your new trimmer mower can wear with continued use. For safety protection, frequently check all trimmer mower components and replace them immediately with original equipment manufacture's parts only. Use of parts that do not meet the original equipment specifications may lead to improper performance and compromise safety.

Never use blades, wire, or flailing devices. This unit is designed for line trimmer use only. The use of other accessories or attachments increases the risk of injury.

When servicing or repairing the trimmer mower, do not tip the machine over or up unless specifically instructed to do so in this manual. Service and repair procedures can be done with the trimmer mower in an upright position. Some procedures are easier if the machine is lifted on a raised platform or working surface.

Do not change the engine governor settings or over-speed the engine. The governor controls the maximum safe operating speed of the engine.

Do not run the engine at high speed when you are not working.

Do not touch parts that are hot from operation. Allow parts to cool before attempting to maintain, adjust, or service. It may result in serious burns. Engine parts, especially the muffler, become extremely hot during operation. Allow engine and muffler to cool before touching for doing maintenance or making adjustments.

Keep the engine and muffler free of grass, leaves, or excessive grease of carbon to reduce the chance of a fire hazard.

Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean, and free from debris. Clean after each use.

Observe proper disposal laws and regulations for gas, oil, etc. to protect the environment.

When storing the machine, keep it out of reach of the children. Do not allow persons unfamiliar with the machine or these instructions to operate it. This machine can be dangerous when used by an untrained user.

MAINTAINING YOUR MACHINE

Some parts of this machine are made of plastic or rubber and should be kept away from chemicals.

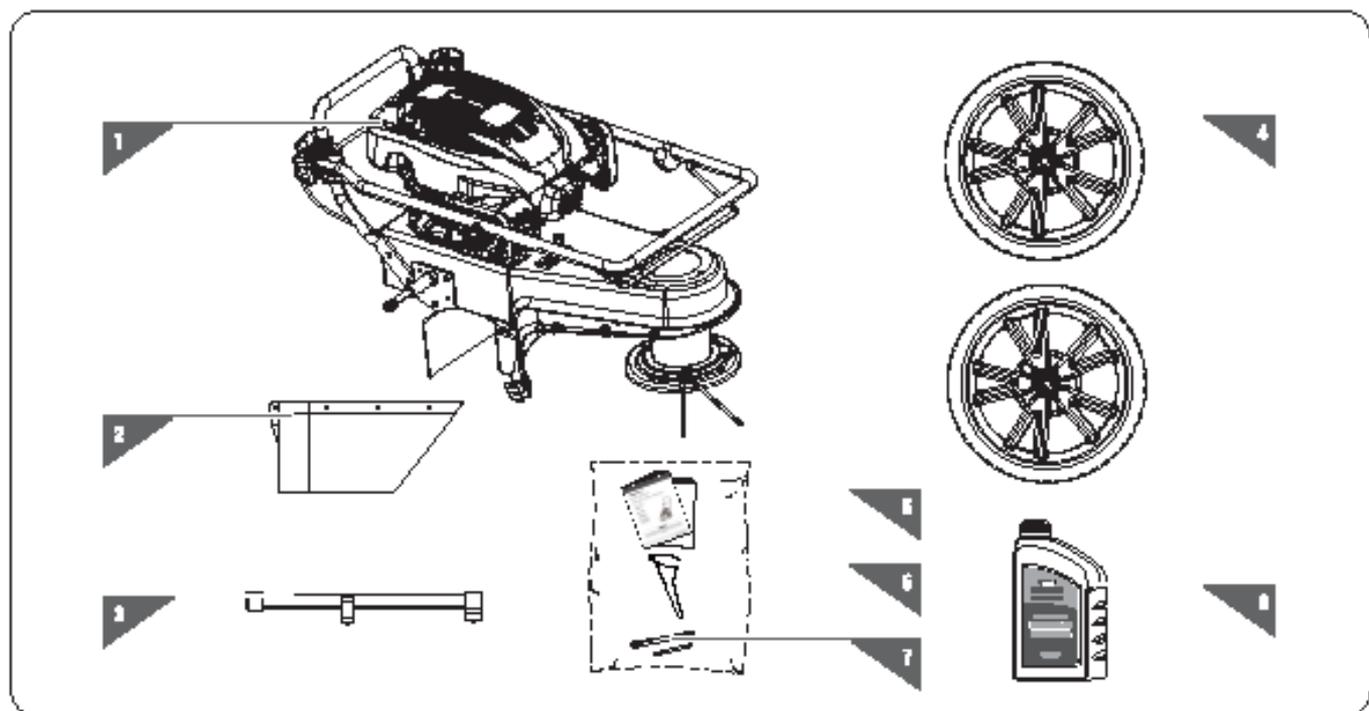
Never cover the machine while the muffler is still hot.

Do not alter or adjust any part of the trimmer mower or its engine that is sealed by the manufacturer or distributor. Only a qualified service technician may adjust parts that increase or decrease governed engine speed.

To maintain your machine, check for any misalignment or binding of any moving parts. Parts that are broken or worn down may affect the machine's operation. If damage or worn parts are identified, they should be repaired before use. Many accidents are caused by poorly maintained equipment.

CONTENTS SUPPLIED

Your YARDMAX string trimmer mower contains the following:



1. Main Machine
2. Side Trimmer Shield
3. Line Storage (including trimmer lines 10 pieces)
4. Wheel (1 pair)

5. Operator's Manual and Engine Manual
6. Funnel
7. Tools for Spark Plug Assembly
8. Engine Oil

ASSEMBLY

This walk-behind string trimmer mower was partially assembled at the factory. To assemble your machine follow the below instructions.

UPPER HANDLE

1. Loosen both of the handle adjustment knobs enough and pivot the upper handle backward to the desired position.
2. Stand in the operator's position behind the trimmer to make sure the handle is adjusted to a comfortable position.
3. Tighten the handle adjustment knobs securely. (See **Figure 2a**)

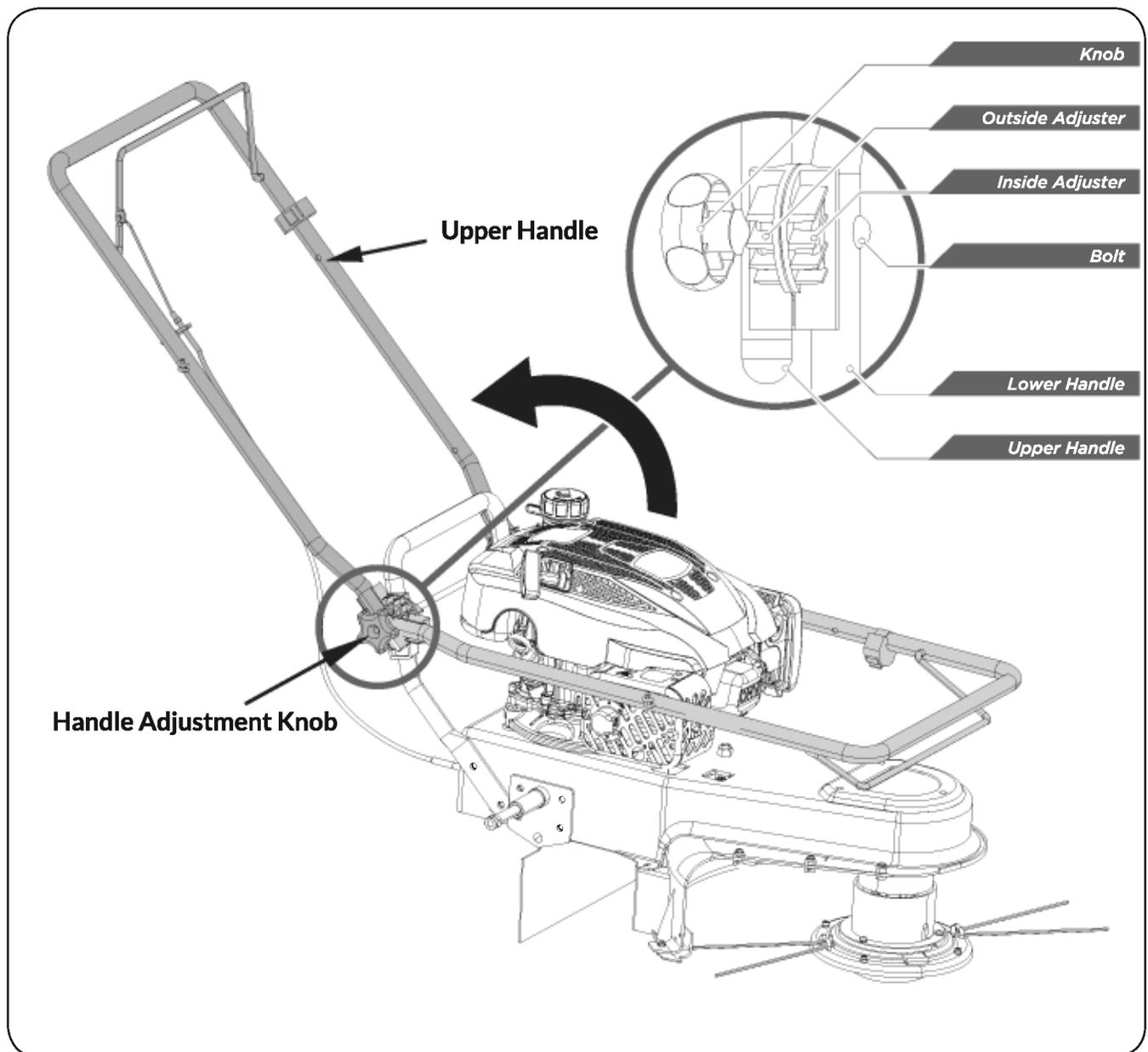
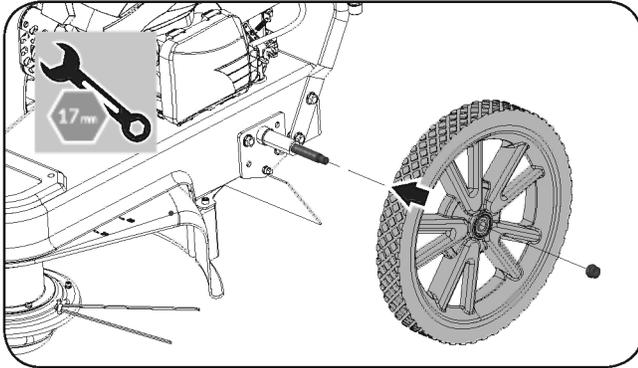


Figure 2a

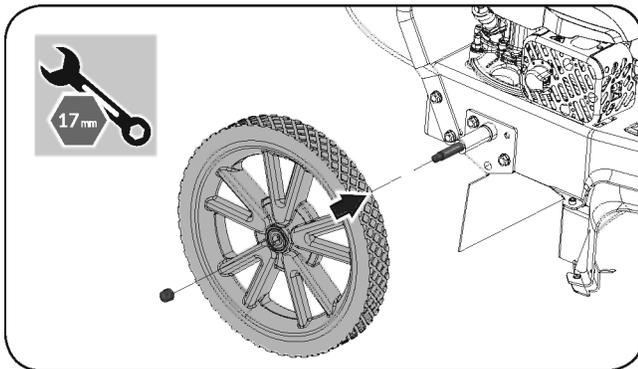
WHEELS

1. Remove the nut from the wheel shaft.
2. Slide the wheel on the wheel shaft.
3. Tighten the nut to secure the wheel in place. (See **Figure 3a**)

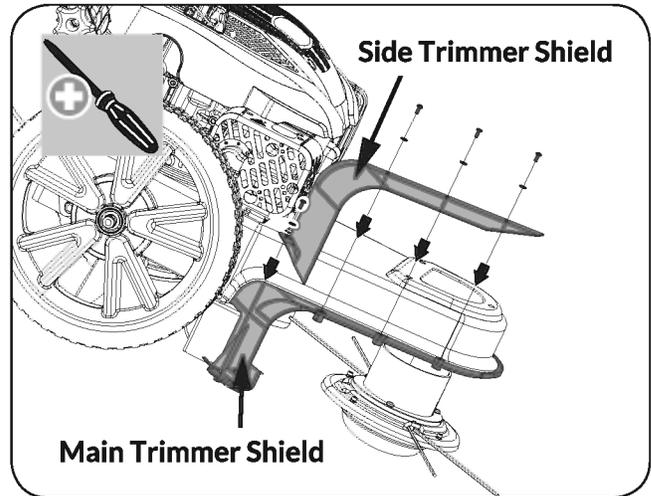
NOTE Don't over tighten the nuts, make sure the wheels spin freely.

**Figure 3a**

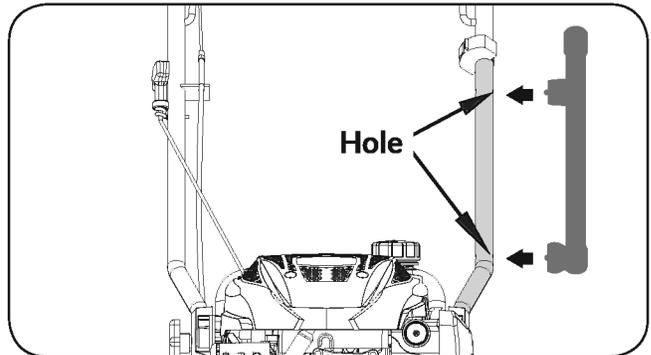
4. Follow the same procedure 1-3 to assemble the other wheel. (See **Figure 3b**)

**Figure 3b****SIDE TRIMMER SHIELD**

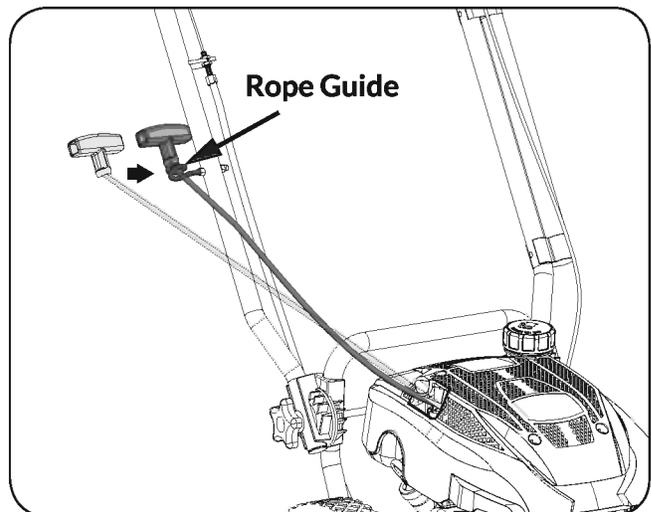
1. Remove the 4 groups of M5x10 screws and flat washers from the main trimmer shield and set them aside for later.
2. Align the holes in the side trimmer shield with the holes in the main trimmer shield. Secure the assembly with the M5x10 screws and flat washers in four places. (See **Figure 4**)

**Figure 4****LINE STORAGE**

Secure the buckles on the line storage onto the upper handle. (See **Figure 5**)

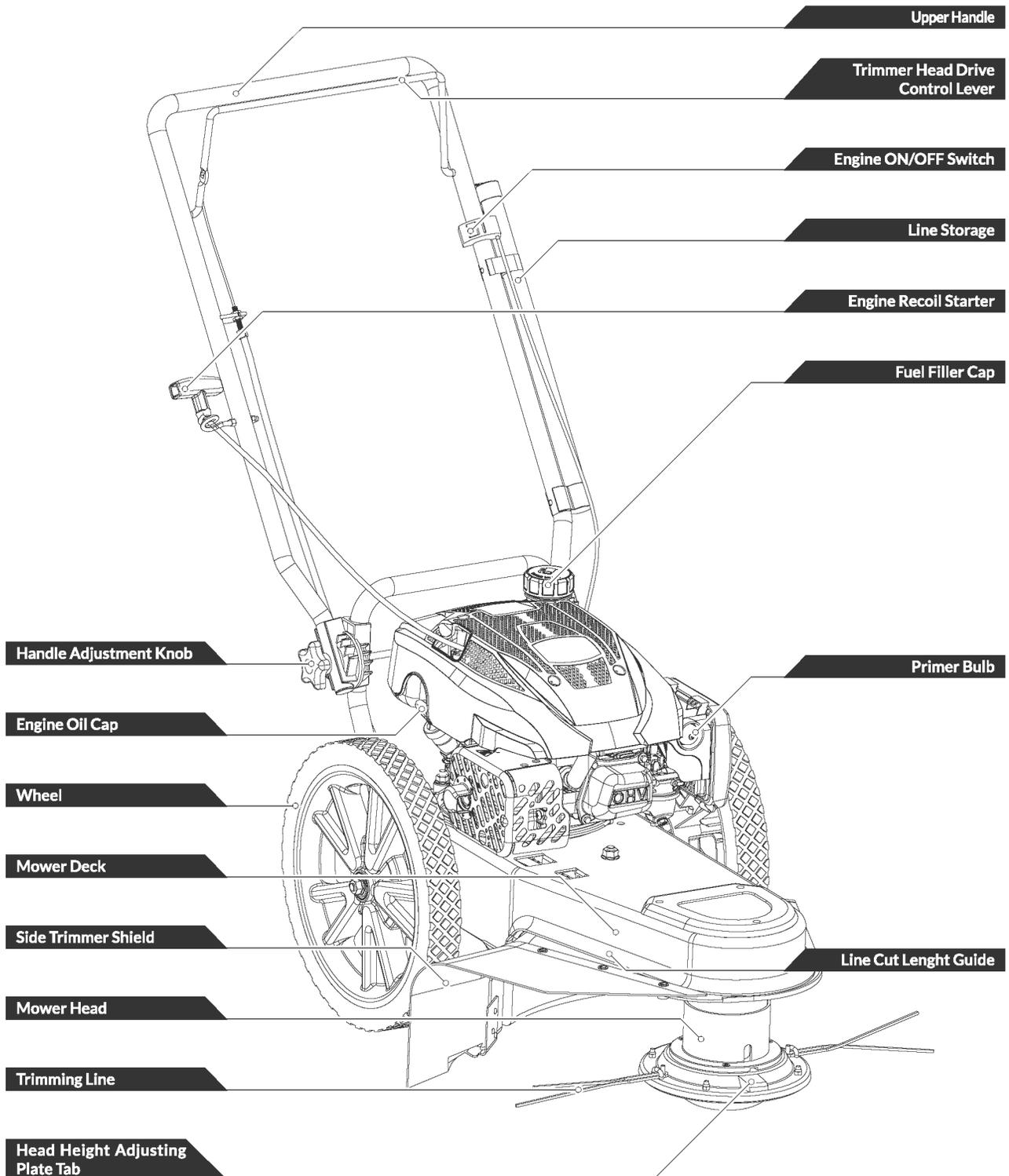
**Figure 5****ENGINE RECOIL STARTER**

Hang the engine recoil starter on the rope guide. (See **Figure 6**)

**Figure 6**

KNOW YOUR MACHINE

FEATURES AND CONTROLS



Trimmer Head Drive Control Lever

- » Squeezing the control bar against the handle allows the trimmer mower spindle to rotate. Release the control bar to stop the rotation of the spindle.

**Engine ON/OFF Switch**

- » The engine On/Off Switch is attached to the upper handle of the trimmer. Switch to ON position to start the engine; switch to OFF position to stop the engine.

**Line Storage**

- » Used to carry the spare lines.

**Engine Recoil Starter**

- » Used to pull-start the engine.

Handle Adjustment Knob

- » Aid to adjust the upper handle to different height positions.

Line Cut Length Guide

- » Aid to cut line to correct length.

Head Height Adjusting Plate Tab

- » Used to adjust the trimmer head height vertically.

Trimming Line

- » Used to trim grass, vegetation, undergrowth, and weeds.

Mower Head

- » Used to rotate the trimmer lines.

OPERATION

! WARNING Keep all bystanders, especially **CHILDREN**, away during operation.

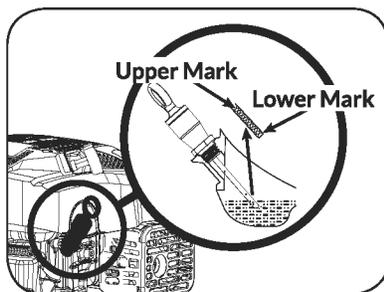
! WARNING Never start or run the engine inside a closed area or in a poorly ventilated area. The engine exhaust contains carbon monoxide an odorless and deadly gas.

ADDING OIL TO ENGINE

! WARNING The engine is shipped without oil. Do not start the engine before adding oil. Please refer to your engine manual for the proper grade of oil to add.

1. Make sure the walk-behind string trimmer mower is on a flat, level surface.

2. Remove the oil fill cap/dipstick to add oil.



3. Using a funnel, add oil up to the **FULL** mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)

! WARNING **DO NOT OVERFILL.** Check engine oil level daily and add as needed.

ADDING GASOLINE TO ENGINE

! WARNING Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline.

! WARNING Fill the fuel tank outdoors, never indoors. Gasoline vapors can ignite if they collect inside an enclosure. It can result in explosion.

1. The engine must be off and allowed to cool at least three minutes before adding fuel.
2. Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap.)

! CAUTION **IMPORTANT: DO NOT OVERFILL!**

This equipment and/or its engine may include evaporative emissions control system components, required to meet EPA and/or CARB regulations, that will only function properly when the fuel tank has been filled to the recommended level. Overfilling may cause permanent damage to evaporative emissions control system components. Filling to the recommended level ensures a vapor gap required to allow for fuel expansion. Pay close attention while filling the fuel tank to ensure that the recommended fuel level inside the tank is not exceeded. Use a portable gasoline container with an appropriately sized dispensing spout when filling the tank. Do not use a funnel or other device that obstructs the view of the tank filling process.

3. Reinstall the fuel cap and tighten it. Always clean up spilled fuel.

ADJUSTING TRIMMING HEIGHT

The height of the cut can be set to five different positions ranging from 1.5 inches to 3.5 inches. Higher positions are useful when trimming tall grass or in conditions where frequent objects (rocks, small limbs) are on the ground. Lower positions provide a more finished appearance. Recommended cutting height for the average yard is 2 inches.

1. To adjust the trimming height, push the trimmer head height adjusting plate tab in towards the axis, holding on and moving the trimmer head up or down to the desired position. If the head will not disengage, slightly rotate the head while pushing the height adjusting plate tab. (See **Figure 7a, illustration 1 & 2**)
2. Release the tab and be sure the trimmer head is locked into one of the 5 height positions.

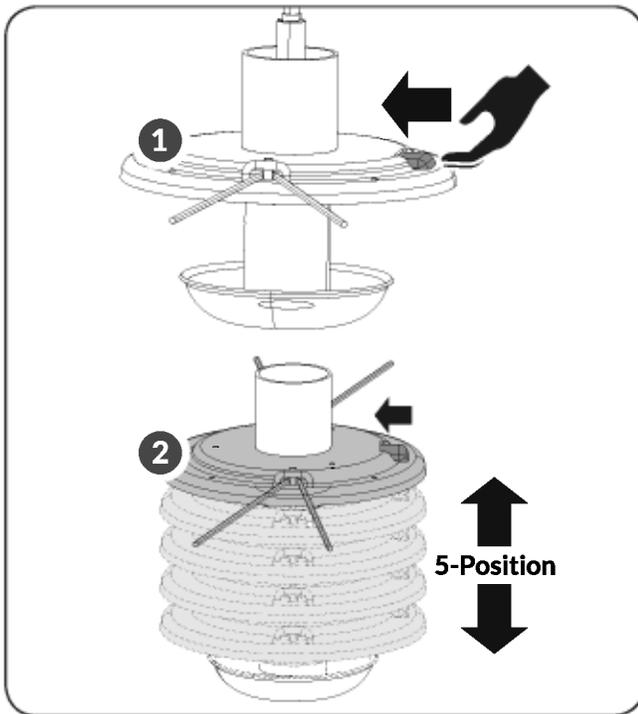


Figure 7a

STARTING THE ENGINE

⚠ CAUTION Be sure no one other than the operator is standing near the trimmer while starting the engine or operating the trimmer. Never run engine indoors or in enclosed, poorly ventilated areas. Engine exhaust contains carbon monoxide, an odorless and deadly gas. Keep hands, feet, hair, and loose clothing away from any moving parts on the engine and trimmer mower. Refer to the Engine Operator's Manual for detailed instructions on starting and stopping the engine.

1. Push down the ON button of the engine switch. (See Figure 8)

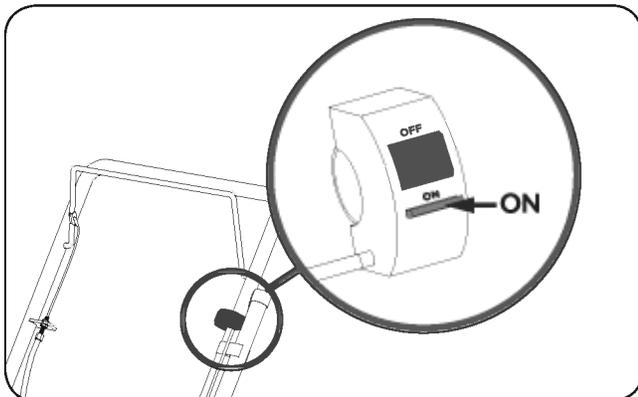


Figure 8

2. Starting primer bulb operation is important operation of the starting engine. For cold starting, slightly press the primer bulb one to three times in succession and quickly pull the recoil cable grip. For hot starting, directly pull the starter cable grip. (See Figure 9)

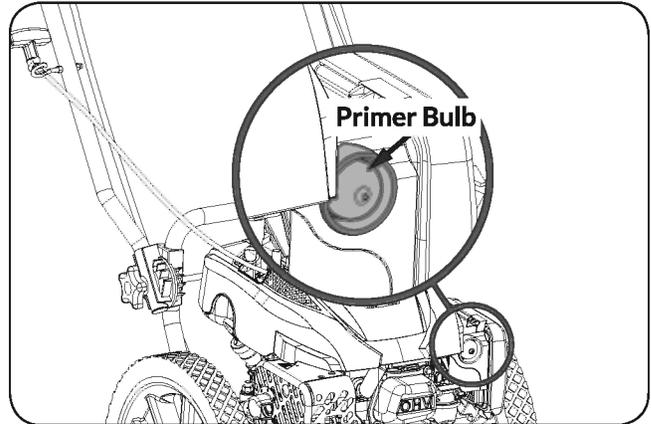


Figure 9

3. Pull the starter grip lightly until resistance is felt, then, briskly pull to syncline upper 30 degrees out. (See Figure 10)

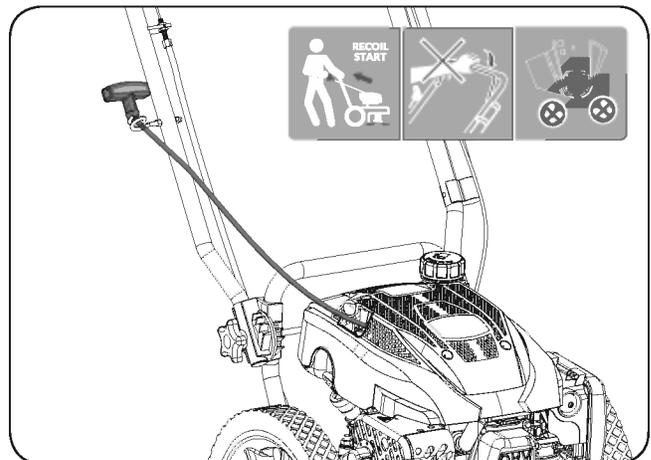


Figure 10

⚠ WARNING Before starting the engine, keep a safe distance between your feet and the trimmer line, and do not hold the trimmer head drive control with your left hand.

STOPPING THE ENGINE

Push down the OFF button of the engine switch. (See **Figure 11**)

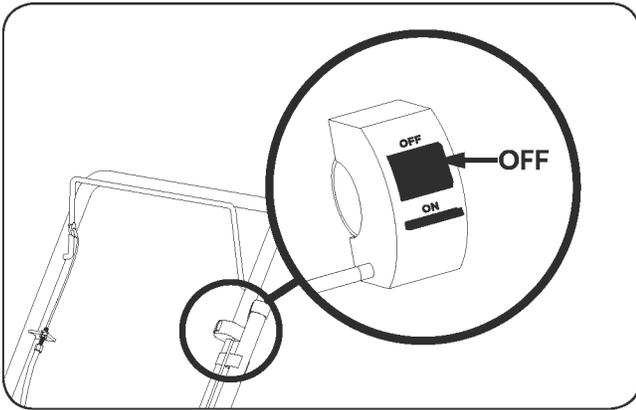


Figure 11

⚠ CAUTION *The trimmer head continues to rotate for several seconds after the engine has stopped.*

ENGAGING / DISENGAGING THE TRIMMER HEAD

1. Switch ON the engine.
2. Squeeze the control bar against the upper handle to propel the trimmer head.
3. Release the control bar to stop the trimmer head from rotating.

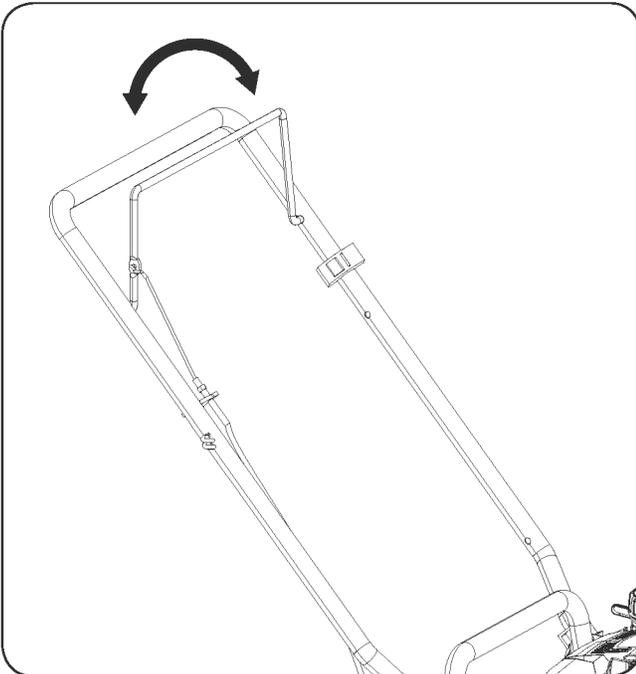


Figure 12

MAINTENANCE

MAINTENANCE SCHEDULE

In the maintenance schedule, you can see which parts of your machine require maintenance, and at which intervals it should take place. The intervals are calculated based on the average use of the machine and may differ depending on the rate of your personal use.

! WARNING Always stop the engine, allow the engine to cool, disconnect spark plug, and ground against the engine before performing any type of maintenance on your machine.

Procedure	Before Each Use	After Each Use	Every Month or 10 Hours of Operation	Every 25 Hours or Every Season	Every 100 Hours	Before Storage
Check for Loose Fasteners	x					x
Clean Trimmer		x				x
Clean Under Engine Cover	x					x
Check Drive Belt / Pulleys				x		
Check / Replace Trimmer Lines	x		x			
Check / Change Engine Oil Lever	x		x	x		x
Clean Air Filter*				x		
Inspect Muffler				x		
Clean or Replace Spark Plug				x		
Clean Spark Arrestor Screen (If equipped)				x		
Replace Air Filter Paper Cartridge					x	

*Clean more often under dusty conditions or when airborne debris is present. Replace the air cleaner if very dirty.

GENERAL RECOMMENDATIONS

Always observe safety rules when performing any maintenance.

The warranty on this trimmer mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the trimmer mower as instructed here.

Changing engine-governed speed voids engine warranty.

All adjustments should be checked at least once each season.

Periodically check all fasteners and make sure these are tight.

GENERAL LUBRICATION

Lightly lubricate all moving parts of the machine at the end of the season or every 25 operating hours.

GENERAL ENGINE CARE

- Maintain oil level as instructed in Engine Operator's Manual. Service air cleaner every 25 hours of use under normal conditions. Under extremely dusty conditions, clean every few hours. Poor engine performance and flooding usually indicate that the air cleaner should be serviced. To service the air cleaner, refer to the Engine Operator's Manual.
- Clean spark plug and reset the gap once a season. Spark plug replacement is recommended at the start of each trimming season. Check Engine Operator's Manual for correct plug type and gap specifications.
- Clean engine regularly with a cloth or brush. Keep the top of the engine clean to permit proper air circulation. Remove all grass, dirt, and combustible debris from the muffler area.
- Engines stored between 30 and 90 days need to be treated with a gasoline stabilizer to prevent deterioration and gum from forming in the fuel system or on essential carburetor parts.

CHANGING THE AIR FILTER ELEMENT

1. Remove the air cleaner housing. (See **Figure 13, illustration 1**)
2. Remove air cleaner element. (See **Figure 13, illustration 2**)
3. Reinstall the new air cleaner element back.

CAUTION *Paying attention to prevent dust and foreign matter from entering into the air cleaner.*

4. Install the air cleaner housing and wheel back.

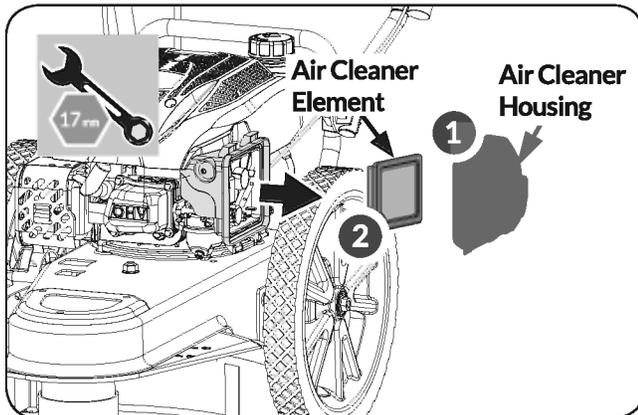


Figure 13

CHANGING THE ENGINE OIL

For more information about when to change the oil, see Maintenance Schedule on page 18. To change the oil, use the following procedure.

CAUTION *Run the engine for a few minutes before changing the oil to warm it. Warm oil flows better and carries more contaminants. We recommend that you use API SERVICE Category SJ class or higher oil.*

1. Move the machine to a level surface.
2. Refer to the maintenance safety section on page 7 before doing the oil change.
3. Place a suitable container below the engine to catch the used oil.

NOTE *Drain the used oil while the engine is warm. Warm oil drains quickly and completely.*

4. Remove the dipstick by rotating the cap counterclockwise and pulling it out.
5. Tip the machine onto its side (so that the air cleaner is up) to drain the used oil from the oil-fill tube. (See **Figure 14**)
6. Allow the used oil to drain completely, and then reinstall the dipstick, and tighten it securely.

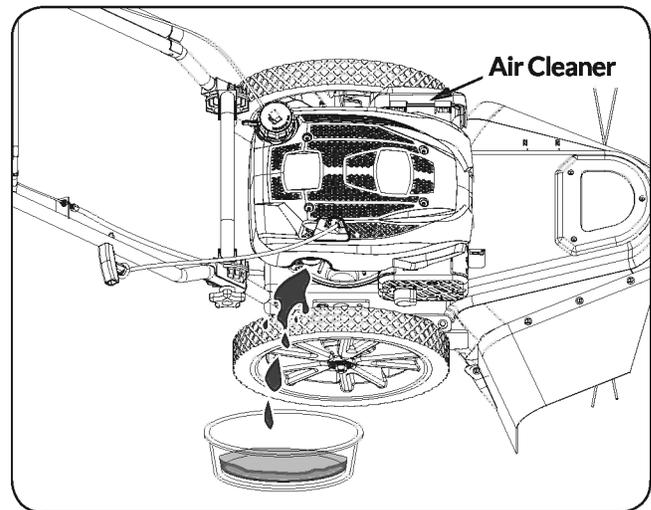


Figure 14

CAUTION *Refer to the engine manual packed separately with your unit for more detailed information and a maintenance schedule for engine maintenance.*

REPLACING TRIMMER LINE

When the trimmer line becomes worn to half the original length, replace the trimmer line.

1. Stop the engine. Wait for all moving parts to stop. Disconnect the wire from the spark plug.
2. Remove the worn mower line from the line retainer.
3. Use the built-in length gauge, located on the shield to make sure the new trimmer line is cut at the correct length. Place one end of the trimmer line at location "A" and bend it along the raised portion of the shield. Cut the line at location "B" (22") or location "C" (20"). (See **Figure 15a**)

CAUTION Do not allow the length of the lines to vary more than one inch. This is important to make sure the trimmer head is balanced and does not vibrate.

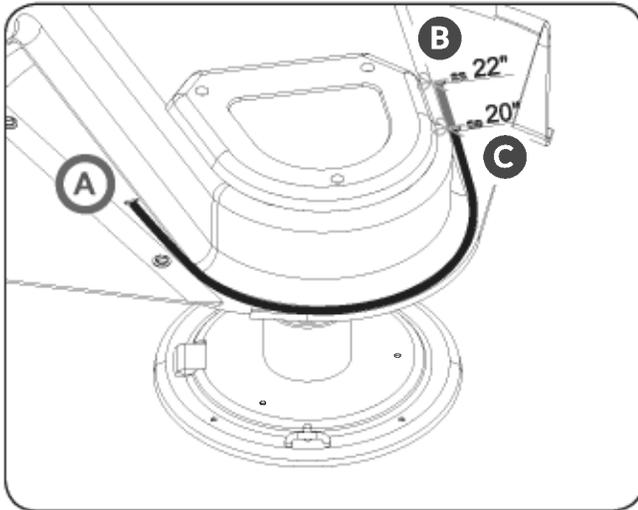


Figure 15a

4. Replace the lines as follows:
 - First, put the new trimmer line through the line retainer. (See **Figure 15b, illustration 1**)
 - Next, check to make sure that the ends of the line are even. (See **Figure 15b, illustration 2**)
 - Finally, cross both sides of the line. (See **Figure 15b, illustration 3**)
 - Repeat the same procedure to change the other side one. Keep both lines in the same length.

CAUTION When replacing lines, better do it one at a time and use the old line to mark the position for the new line that you are replacing.

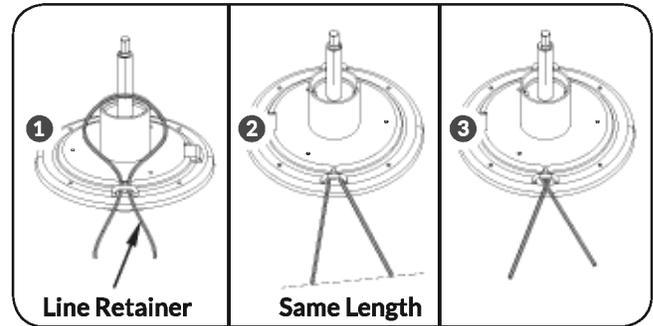


Figure 15b

BELT TENSION ADJUSTMENT

Proper belt tension is critical to good performance.

To increase belt tension if the belt slips or the trimmer head does not rotate after the trimmer head drive control lever is engaged.

1. Loosen the upper jam nut on the trimmer head drive control cable.
2. Tighten the lower jam nut up in several threads.
3. Tighten the .

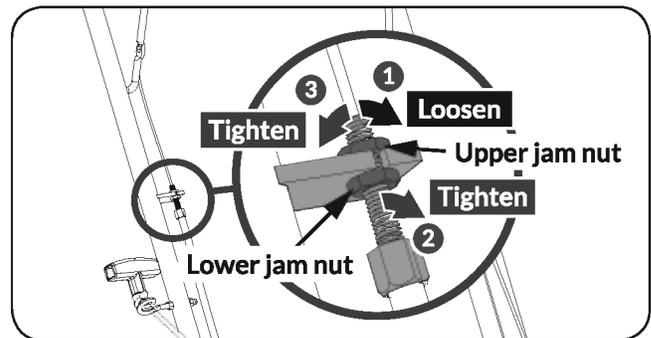


Figure 16a

To decrease belt tension if the trimmer head starts to rotate when the trimmer head drive control lever is not completely pressed against the handlebar.

1. Loosen the lower jam nut on the trimmer head drive control cable.
2. Tighten the lower jam nut down in several threads.
3. Tighten the lower jam nut.

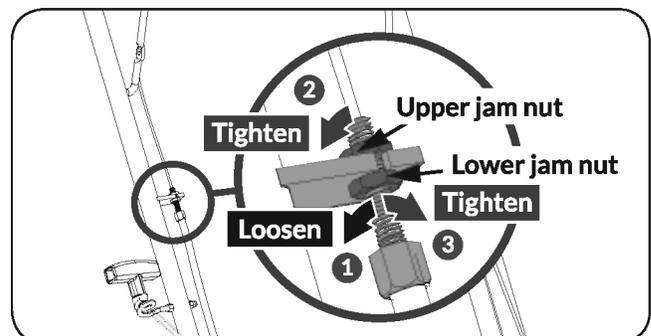


Figure 16b

REPLACE THE BELT

⚠ WARNING Before you remove the drive belt, disconnect the wire from the spark plug.

⚠ WARNING Test the drive system. Start the engine and engage and disengage the mower head several times. When disengaged, make sure the mower head completely stops when resting on the ground. If the mower head continues to rotate, take the mower to an authorized service center or call the service phone.

1. Remove the three M5x10 screws that hold the decorative cover to the mower deck. (See **Figure 17**)

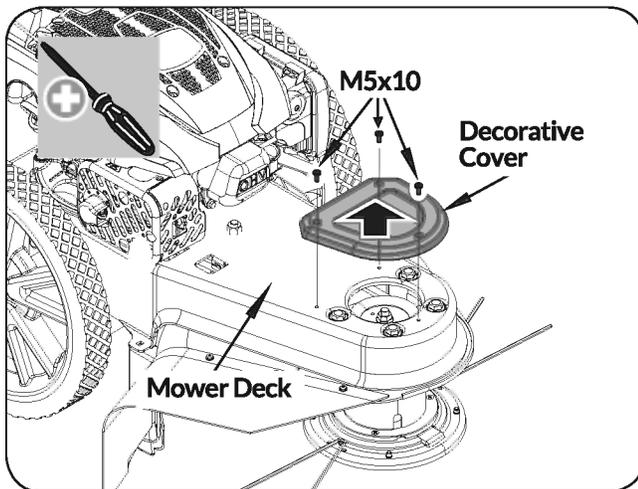


Figure 17

2. Remove the two M5x30 bolts and nuts that hold the rear of the mower deck to the main trimmer shield. (See **Figure 18**)

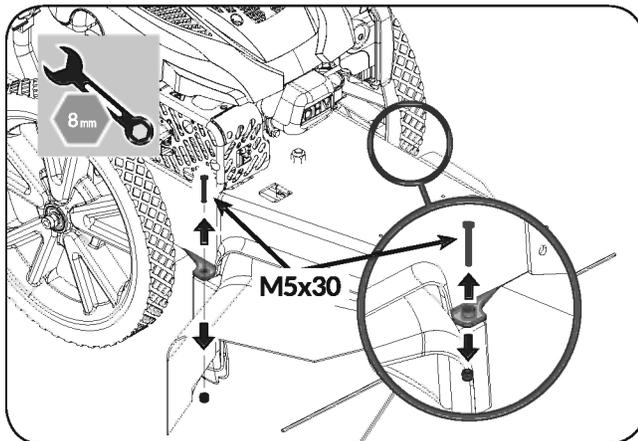


Figure 18

3. Keep both wheels in contact with the ground and turn the machine backward and up, requiring a helping hand from the other person to hold the machine steady. Remove the four M5x20 screws that hold the main trimmer shield to the deck. (See **Figure 19**)

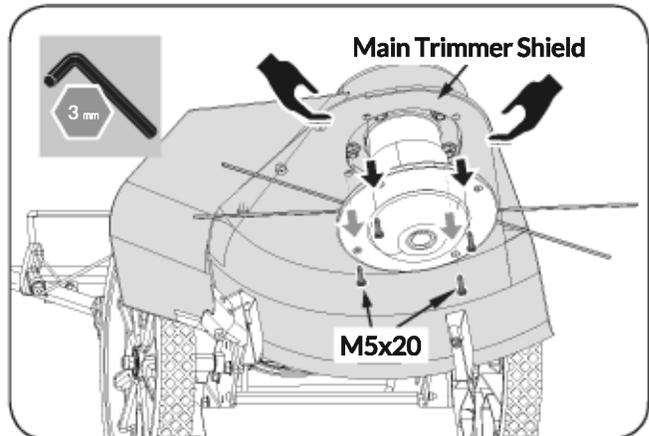


Figure 19

4. Remove the four M10x60 bolts and nuts that hold the deck with the trimmer head. (See **Figure 20**)

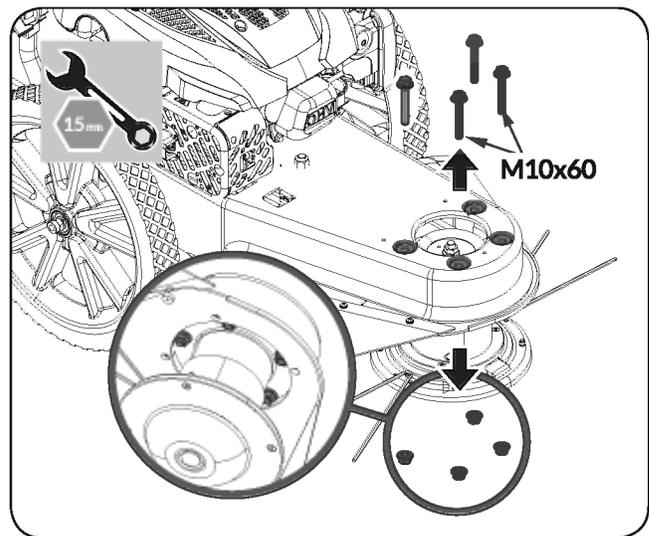


Figure 20

5. Remove the shield, mower head, and base assembly. (See **Figure 21**)

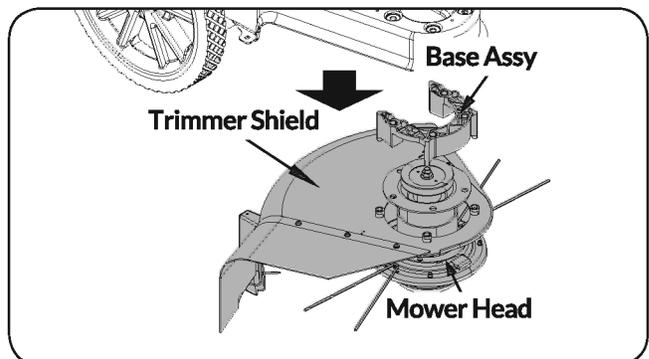


Figure 21

6. Use a 17mm wrench to remove the two M10 lock nuts fixing the two tensioner pulleys and remove the belt. (See **Figure 22**)

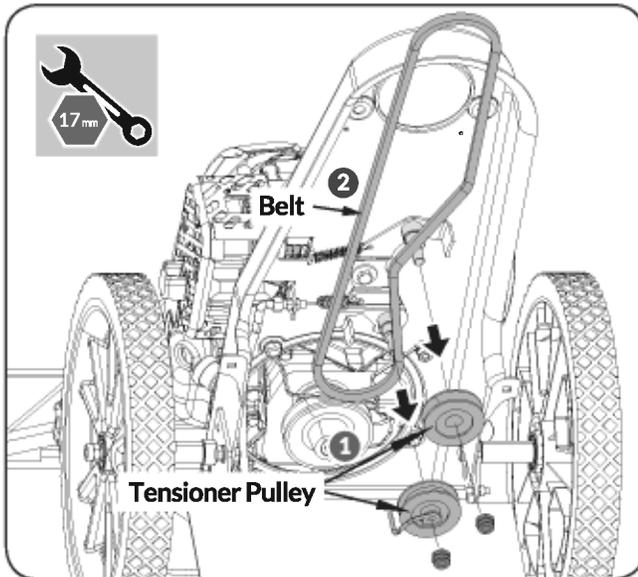


Figure 22

7. Install the new belt in reverse order. (See **Figure 23**)

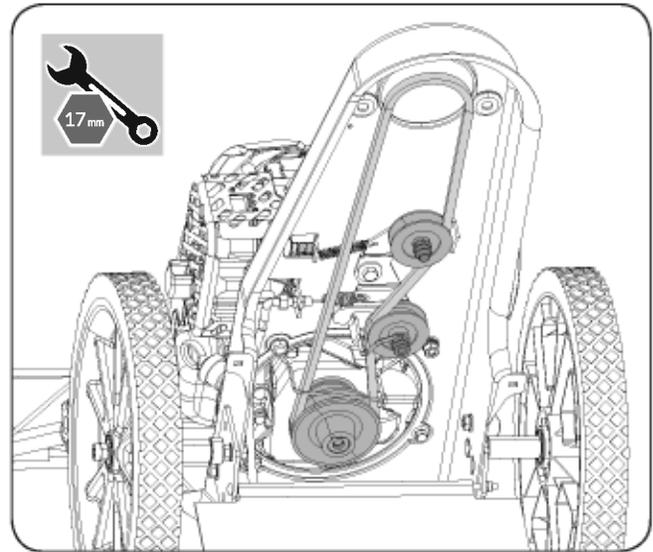


Figure 23

STORAGE

If the walk-behind string trimmer mower is not used for a period longer than 30 days, follow the steps below to prepare your unit for storage.

1. Drain the fuel tank completely. Stored fuel containing ethanol or MTBE can start to go stale in 30 days. Stale fuel has high gum content and can clog the carburetor and restrict fuel flow.
2. Start the engine and run until it stops. This helps prevent gum deposits from forming inside the carburetor and possible engine damage.
3. While the engine is still warm, drain the oil from the engine. Refill with fresh oil of the grade recommended in the Engine Manual.
4. Use clean cloths to clean off the outside of the machine and to keep the air vents free of obstructions.

! WARNING Do not use strong detergents or petroleum-based cleaners when cleaning plastic parts. Chemicals can damage plastics.

5. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts, or bolts.
6. Store your unit on flat ground in a clean, dry building that has good ventilation.

FOLDING HANDLE FOR COMPACT STORAGE

! WARNING Folding or unfolding the handle improperly can damage the cables, causing an unsafe operating condition.

Loosen the handle adjustment knobs several circles to allow the handle to fold forward.

Re-tighten the handle adjustment knobs.

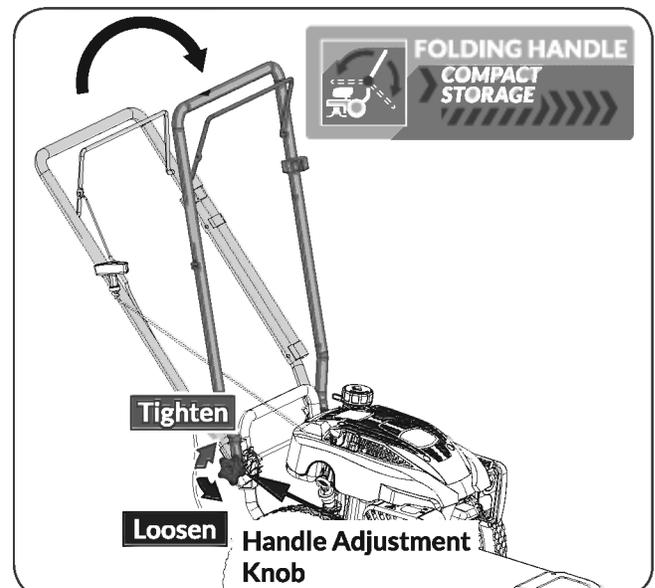
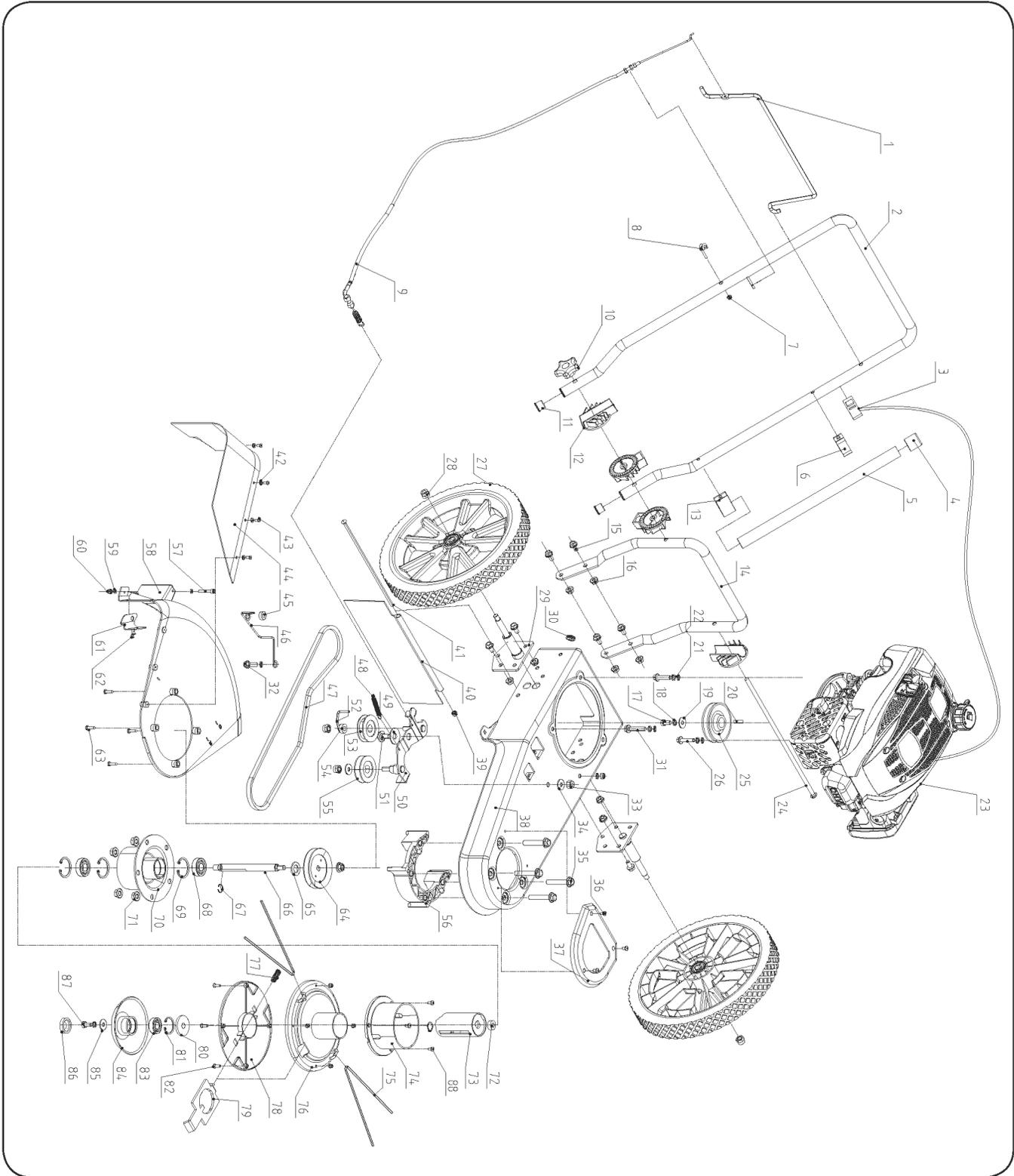


Figure 24

TROUBLESHOOTING

Problem	Cause	Remedy
Engine fails to start	<ol style="list-style-type: none"> 1. Engine On/Off switch is on Off position. 2. Spark plug wire is disconnected 3. Out of fuel or stale fuel 4. Blocked fuel line 5. Fouled spark plug 6. Engine flooding 7. Not enough oil in the engine 	<ol style="list-style-type: none"> 1. Switch on the engine. 2. Attach spark plug wire securely to spark plug 3. Fill with clean, fresh gasoline 4. Clean fuel line 5. Clean, adjust gap or replace 6. Wait a few minutes to restart the engine 7. Add more oil to the engine
Engine runs erratically	<ol style="list-style-type: none"> 1. Spark plug wire is loose 2. Blocked fuel line or stale fuel 3. Vent plugged 4. Water or dirt in the fuel system 5. Dirty air cleaner 6. Improper carburetor adjustment 	<ol style="list-style-type: none"> 1. Connect and tighten spark plug wire 2. Clean fuel line. Fill the tank with clean, fresh gasoline 3. Clear vent 4. Drain fuel tank. Refill with fresh fuel 5. Clean or replace air cleaner 6. Refer to engine manual
Engine overheats	<ol style="list-style-type: none"> 1. Engine oil level low 2. Dirty air cleaner 3. Airflow restricted 4. Carburetor not adjusted properly 	<ol style="list-style-type: none"> 1. Fill crankcase with proper oil 2. Clean air cleaner 3. Remove housing and clean 4. Refer to engine manual
Poor Trimming Performance	<ol style="list-style-type: none"> 1. Trimmer line is too short or worn. 2. Worn or damaged belt 	<ol style="list-style-type: none"> 1. Replace the trimmer line. 2. Replace belt
Excessive vibration	<ol style="list-style-type: none"> 1. Lines are uneven or broken. 2. Screws for the mower head are loose. 3. Loose nuts or bolts. 4. Broken mower head 	<ol style="list-style-type: none"> 1. Adjust or replace lines. 2. Tighten screws. 3. Check all bolts and nuts, including engine bolts. 4. Replace broken parts.
Loss of Head Drive	Belt not driving	Put the belt on pulleys or replace belt if broken

PARTS DIAGRAM



YL2250 PARTS LIST

No.	Description	Qty
1	Trimmer Head Drive Control Lever	1
2	Upper Handlebar	1
3	Engine Start/Stop Control Cable	1
4	Line Storage Pipe Cap	1
5	Line Storage Pipe	1
6	Pipe Buckle	1
7	Hexagon Lock Nut M6	1
8	Rope Guide	1
9	Trimmer Head Drive Control Cable	1
10	Handle Adjustment Knob	1
11	Plug	2
12	Handle Pivot	4
13	Pipe Sleeve	1
14	Lower Handlebar	1
15	Hexagon Flange Bolt M8x16	8
16	Flange Nut M8	8
17	Hexagon Flange Bolt 3/8-24UNF	1
18	Spring Washer 10	1
19	Flat Washer 10	1
20	Key 20x4.78x4.78	1
21	Flat Washer 8	5
22	Spring Washer 8	4
23	Engine	1
24	Bolt M8x370	1
25	Belt Pulley	1
26	Hexagon Bolt M8x45	2
27	14 Inch Wheel	2
28	Hexagon Lock Nut M10	5
29	Wheel Shaft Weldment	2
30	Cable Sleeve	1
31	Hexagon Bolt M8x50	1
32	Hexagon Bolt M8x20	1
33	All-metal Hexagon Lock Nuts M10	1
34	Flat Washer 10	2

No.	Description	Qty
35	Hexagon Flange Bolt M10x60	4
36	ST Screw M5x10	6
37	Decorative Cover	1
38	Deck Frame	1
39	Hexagon Lock Nut M8	2
40	Trailing Shield	1
41	Bolt M8x265	1
42	Flat Washer 5	6
43	ST Screw M5x13	4
44	Side Trimmer Shield	1
45	Spacer 1	1
46	Belt Retaining Bracket	1
47	Belt XPZ1137	1
48	Tension Spring	1
49	Thin Washer	1
50	Idler Bracket Weldment	1
51	M10 Pivot Flange Plug Bolt	1
52	Belt Retaining Rod	1
53	Tensioner Pulley 1	1
54	Washer of Tensioner Pulley 1	1
55	Tensioner Pulley 2	1
56	Base Assy.	1
57	Hexagon Bolt M5x35	2
58	Main Trimmer Shield	1
59	Flat Washer 5	2
60	Hexagon Lock Nut M5	6
61	Side Cutter	1
62	Rivet 4x13	2
63	ST Screw M5x20	4
64	Driven Pulley	1
65	Flat Washer 16	1
66	Main Shaft	1
67	Circlip A17	1
68	Bearing 6203-2RS	2

No.	Description	Qty
69	Circlip A40	3
70	Bearing Base Weldment	1
71	Flange Nut M10	5
72	Spacer Jackshaft Washer	1
73	Spacer Jackshaft	1
74	Protecting Bush	1
75	Trimmer Line	4
76	Mower Head	1
77	Pressing Spring	1
78	Platen	1
79	Adjusting Plate	1
80	Sleeve Welding	1
81	Circlip A35	1
82	Hexagon Socket Countersunk Head Screw M5x20	4
83	Bearing 6003-2RS-Z3	1
84	Bump Head	1
85	Flat Washer 8	1
86	Bottom Seal Cover	1
87	Hexagon Bolt M8x25	1
88	Hexagon Socket Head Cap Screw M5x10	3

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