

TrimmerPlus TPE720 Universal 7.5 in. Edger String Trimmer **Owner's Manual**

Home » TrimmerPlus » TrimmerPlus TPE720 Universal 7.5 in. Edger String Trimmer Owner's Manual





Operator's Manual Lawn Edger Attachment SAVE THESE INSTRUCTIONS

IMPORTANT: Read this manual thoroughly before using this product. Follow all instructions.



WARNING: This product can expose you to ch ngine exhaust, which is known to the State of (ancer, and carbon monoxide, which is known to rnia to cause birth defects or other reproductive ormation go to www.P65Warnings.ca.gov.

All information, illustrations, and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice. The product may vary slightly from the illustrations contained in this manual.

NOTE: This operator's manual covers multiple models. Features may vary by model. Not all features in this manual are applicable to all models. The model depicted may differ from yours.

Contents

- 1 SAFETY
- **2 DISPOSING OF DAMAGED OR WORN-OUT**

BATTERIES

- **3 WHILE OPERATING**
- **4 EDGER SAFETY**
- **5 OTHER SAFETY WARNINGS**
- **6 KNOW YOUR UNIT**
- **7 SPECIFICATIONS***
- **8 ASSEMBLY**
- 9 OPERATION
- **10 MAINTENANCE**
- 11 CLEANING AND STORAGE
- 12 Documents / Resources
- 13 Related Posts

SAFETY

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL	MEANING
A	DANGER : Signals an EXTREME hazard. Failure to obey a safety DANGER symbol WILL I hers.
A	WARNING: Signals a SERIOUS hazard. Failure to obey a safety WARNING symbol CAN I
A	CAUTION: Signals a MODERATE hazard. Failure to obey a safety CAUTION symbol MAY to others.

NOTE: Advises you of information or instructions vital to the operation or maintenance of the equipment.



WARNING. Read the operator's uctions. Failure to do so can resuders.

READ ALL INSTRUCTIONS BEFORE OPERATING



WARNING. When using the unit, all se read these instructions before op safety of the operator and any bystalater use.

- Carefully read and understand the operator's manual of the unit that powers this attachment.
- Read the instructions carefully. Be familiar with the controls and proper use of the unit. Know how to stop the
 unit and disengage the controls quickly.
- Stay alert. Do not operate this unit when tired, ill, or under the influence of alcohol, drugs, or medication.
- Never allow children to operate the unit. Teens must be trained, accompanied, and supervised by an adult.
 Never allow adults to operate the unit without proper instruction.
- All guards and safety attachments must be installed properly before operating the unit.
- Inspect the unit before use. Check for damaged parts. Check for fuel leaks. Make sure all parts operate
 properly. Make sure all fasteners are in place and secure. Make sure all moving parts are properly aligned and
 are not bound. Replace parts that are cracked, chipped, or damaged in any way. Have all damaged or
 improperly working parts repaired or replaced by an authorized service center. Do not operate the unit with
 loose or damaged parts.
- Be aware of the risk of injury to the head, hands, and feet.
- Carefully inspect the area before starting the unit. Remove rocks, broken glass, nails, wire, string, and other objects that may be thrown or become entangled with the unit.
- Clear the area of children, bystanders, and pets; keep them outside a 50-foot (15 m) radius, at a minimum. Even then, they are still at risk from thrown objects. Encourage bystanders to wear eye protection. If you are approached, stop the unit immediately.
- Squeeze the throttle control and check that it returns automatically to the idle position. Make all adjustments or repairs before using the unit.
- For gas-powered units, do not change the engine governor settings or over-speed the engine.
- This unit is intended for occasional, household use only.

SAFETY WARNINGS FOR GAS UNITS



WARNING: Gasoline is highly flammable and it de if ignited. Take the following precautions:

- Store fuel only in containers specifically designed and approved for the storage of such materials.
- Always stop the engine and allow it to cool before filling the tank. Never remove the fuel tank cap or add fuel
 when the engine is hot. Always loosen the fuel tank cap slowly to relieve any pressure in the tank before
 fueling.
- Always mix and add fuel in a clean, well-ventilated outdoor area where there are no sparks or flames. DO NOT smoke.

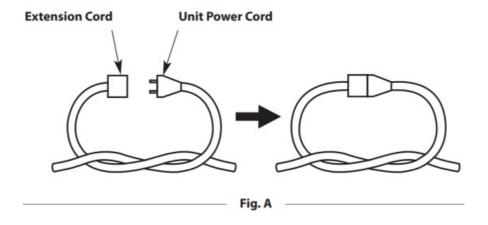
- Never operate the unit without the fuel cap securely in place.
- Avoid creating a source of ignition for spilled fuel. Wipe up any spilled fuel from the unit immediately, before starting the unit. Move the unit at least 30 ft. (9.1 m) from the fueling source and site before starting the engine.
 DO NOT smoke.
- Never start or run the unit inside a closed room or building. Breathing exhaust fumes can kill. Operate this unit only in a well-ventilated outdoor area.

SAFETY WARNINGS FOR ELECTRIC UNITS



warning* • To reduce the risk of electing approved for outdoor use, such as a -A, SOW-A, STW-A, STOW-A, SJW-A, Extension cords are available from your jacketed extension cords approved for o

- CORD SETS: Make sure your cord set is in good condition. When using a cord set, be sure to use a cord that is heavy enough to carry the current that your unit will draw. An undersized cord set will cause a drop in line voltage resulting in loss of power and overheating. See the operator's manual for the unit that will power this attachment for the recommended cord size.
- Inspect all extension cords and the unit power connection periodically. Look closely for deterioration, cuts, or cracks in the insulation. Also, inspect the connections for damage. Replace the cords if any defects or damage appear.
- Prevent disconnection of the powerhead from the extension cord during operation by using a plug-receptacle retaining strap, connector, or by making a knot (Fig. A).
- Avoid dangerous environments. Never operate your unit in damp or wet conditions. Moisture is a shock hazard.
- Do not use the unit in the rain. Do not use in or around water.
- Do not handle the plug or unit with wet hands or standing on any wet surfaces.
- Do not leave the unit plugged in when not in use, changing attachments, or while being serviced.



SAFETY WARNINGS FOR BATTERY-POWERED UNITS

General Electric Safety

• Before using this product, read all instructions and cautionary markings on the battery, battery charger, and the

unit(s) powered by the battery.

- Use only the batteries and chargers specified by the original equipment manufacturer.
- Do not expose the unit to rain or wet conditions. Store the unit indoors.
- Do not handle the unit with wet hands.
- Avoid dangerous environments. Do not operate the unit in the rain, in wet conditions, or on wet surfaces.
 Moisture is a shock hazard.
- To reduce the risk of electric shock, avoid body contact with grounded conductors, such as metal pipes or wire fences.
- Do not operate the unit in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

 Battery Charger Safety
- Do not handle the charger, including the charger plug and charger terminals, with wet hands.
- Do not charge the unit outdoors.
- Follow all charging instructions. Do not charge the battery outside the temperature range specified. Improperly charging the battery or charging the battery outside of the specified temperature range may damage the battery and increase the risk of fire.
- A nameplate on the unit indicates the voltage used. Never connect the unit to an AC voltage that differs from this voltage.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of fire, electric shock, or electrocution.
- Do not use multiple extension cords.
- Make sure the extension cord is heavy enough to carry the current drawn by the unit. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and overheating. If in doubt, use the next heavier gauge cord. The smaller the gauge number, the heavier the cord.
- Make sure the cords are in good condition. Inspect the power cord and extension cord periodically. Look closely
 for deterioration, cuts, or cracks in the insulation. If a cord is damaged in any manner while plugged in,
 disconnect the cord from both the outlet and the unit. Do not use a damaged cord. Damaged cords should be
 repaired or replaced.
- Do not abuse cords. Never pull or carry the unit by a cord. Keep cords away from heat, oil, water, sharp edges, and moving objects. Always grasp the plug when disconnecting a cord.
- Never modify a plug, cord, or outlet in any way.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used with this unit. For an extra measure of safety, use receptacles with built-in GFCI protection.
- Do not place the battery charger where cords might be stepped on, tripped over or subjected to damage.
- Do not charge batteries in the rain or in wet conditions. Keep the battery charger in a cool and dry area.
- Keep the battery charger away from all liquid.
- Do not allow small metal items or materials such as steel wool, aluminum foil, or other foreign particles into the charger port.
- Do not probe the charger with conductive material. There is a risk of electric shock.
- Do not cover the battery charger. The battery charger may overheat.
- Do not allow the battery or battery charger to overheat. If they are warm, allow them to cool down. Only charge batteries in temperatures between 32° and 104° F (0° and 40° C).
- Always unplug the battery charger before cleaning it. Always unplug the battery charger when it is not in use.

Battery Safety

- Do not expose the battery to fire or to temperatures over 176° F (800 C). Doing so could cause an explosion.
- Handle batteries with care. Do not short the battery with conductive materials, such as rings, bracelets, keys, etc. Shorting the battery may cause personal injury, damage to the battery, or a fire.
- When the battery is not in use, keep it away from small metal objects, such as paper clips, coins, nails, etc.

 These items could connect one terminal to another and shorten the battery.
- Do not attempt to charge a cracked or damaged battery.
- Do not use a damaged or modified battery. Doing so could result in a fire, explosion or personal injury.

WARNING: The battery may present a risk of fire or chemical burn if mistreated. Do not disassemble, overheat or incinerate the battery. The battery may develop a small leak under extreme usage or temperature conditions.

If battery fluid contacts skin:

- Immediately wash the area with soap and water.
- Neutralize the battery fluid with a mild acid (lemon juice, vinegar, etc.).
- Seek immediate medical attention.

If battery fluid gets in the eyes:

- Immediately flush the eyes with clean water for at least 15 minutes.
- Seek immediate medical attention.

DISPOSING OF DAMAGED OR WORN-OUT BATTERIES



WARNING* • To prevent contamination of the environment, contact your local waste disposal agramaged or worn-out lithium-ion batteries. Take batteries to a local recycling and/or disposal cen



WARNING* • Do not use broken or cracked batteries, even if there isn't leakage. Replace damaç EMPT TO REPAIR BATTERIES! Repair attempts may result in severe personal injury, due to exp

To avoid personal injury and damage to the environment:

- Do not attempt to remove or destroy any of the battery components. Do not open or mutilate the battery. If a leak develops, released electrolytes are corrosive and toxic. Do not get the solution in your eyes or on your skin, and do not swallow it.
- Do not dispose of the battery in regular household trash.
- Do not dispose of the battery in a fire. The cell may explode.
- Do not dispose of the battery where it will become part of any waste landfill or municipal solid waste stream.
- Cover the battery terminals with heavy-duty adhesive tape.
- Dispose of the battery according to local, state, and federal regulations.
- · Dispose of the battery promptly.

WHILE OPERATING

- Wear safety glasses or goggles that meet current ANSI / ISEA Z87.1 standards and are marked as such. Wear
 ear/hearing protection when operating this unit. Wear a face mask or dust mask if the operation is dusty.
- Wear heavy long pants, boots, gloves, and a long sleeve shirt. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair above shoulder level.
- Adjust the handle to provide the best grip, if applicable.
- Use the unit only in daylight or good artificial light.
- Avoid accidental starting. For gas-powered units, be in the starting position whenever pulling the starter rope.
 The operator and unit must be in a stable position while starting. Refer to the Starting and Stopping section in the operator's manual for the unit that powers this attachment.
- Use the right tool. Only use this tool for its intended purpose. Only use the unit as described in this manual.
- Always hold the unit with both hands when operating. Keep a firm grip on both handles or grips.
- Do not overreach. Always keep proper footing and balance. Take extra care when working on stairs, steep slopes, or inclines. To avoid serious injury, do not operate the unit while on a ladder or a roof
- Keep hands, face, and feet away from all moving parts. Do not touch or try to stop moving parts.
- Do not touch the engine, gear housing, or muffler. These parts get extremely hot from the operation, even after the unit is turned off.
- Do not operate the unit faster than the speed needed to do the job. Do not run the unit at high speed when not in use.
- Do not force the unit. It will do a better, safer job when used at the intended rate.
- Always turn the unit off when the operation is delayed or when carrying the unit from one location to another.
 Make sure all moving parts come to a complete stop.
- Before setting the unit down, always turn the unit off and wait for all moving parts to come to a complete stop.
- If the unit strikes or becomes entangled with a foreign object, stop the unit immediately. Check for damage. If damaged, do not restart or operate the unit until it is repaired. Do not operate the unit with loose or damaged parts.
- Use only original equipment manufacturer (OEM) replacement parts and accessories for this unit. These are available from your authorized service dealer. Use of any other parts or accessories could lead to serious injury to the user, or damage to the unit, and void the warranty.
- Keep the unit clean. Carefully remove vegetation and other debris that could block moving parts.
- To reduce fire hazards, replace a faulty muffler and spark arrestor. Keep the engine and muffler free from grass, leaves, excessive grease, or carbon build-up.
- If the unit starts to vibrate abnormally, stop the unit immediately. Inspect the unit for the cause of the vibration. Vibration is generally an indicator of trouble.

EDGER SAFETY



DANGER* • Keep all body parts (hands, fe ing blades. Contact with moving blades wil jury.

- Make sure the blade is not in contact with anything before starting the unit.
- Always hold the unit with both hands when operating. Using only one hand could lead to a loss of control and

result in serious personal injury.

- Use extreme caution when reversing or pulling the unit towards you.
- Blade thrust may occur when the spinning blade contacts an object that it does not immediately cut. Blade
 thrust can be violent enough to propel the unit and/or operator in any direction, possibly causing a loss of
 control. Blade thrust can occur without warning if the blade snags, stalls or binds. This is more likely to occur in
 areas where it is difficult to see the material being cut.
- The blade will continue to spin after the unit is turned off. A coasting blade can cause serious injury. Maintain control of the unit until all moving parts have stopped.
- Do not operate the unit with a bent, cracked, or dull blade. Replace bent, cracked, or dull blades.
- The blade may become very sharp from use. Always wear heavy gloves when handling, replacing, or cleaning the blade.

OTHER SAFETY WARNINGS

- Maintain the unit with care. Follow all maintenance instructions in this manual.
- Do not perform maintenance procedures other than those described in this manual. All service, other than the maintenance procedures described in this manual, should be performed by an authorized service dealer.
- Never remove, modify or make inoperative any safety device furnished with the unit.
- Before inspecting, maintaining, cleaning, storing, transporting or replacing any parts on the unit:
 - 1. Stop the unit. Refer to the Starting and Stopping section in the operators manual for the unit that powers this attachment.
 - 2. Make sure all moving parts have stopped.
 - 3. Allow the unit to cool.
 - 4. For gas-powered units, disconnect the spark plug wire. For electric-powered units, disconnect the unit from the power source. For battery-powered units, remove the battery.
- · Secure the unit while transporting.
- Never store the unit with fuel in the tank, inside a building where fumes may reach an open flame (pilot lights, etc.) or sparks (switches, electrical motors, etc.).
- Store the unit in a dry place, secured or at a height to prevent unauthorized use or damage. Keep the unit out of the reach of children.
- Never douse or squirt the unit with water or any other liquid. Keep handles dry and clean (free from debris, oil, and grease). Clean the unit after each use. Refer to the Cleaning and Storage section in the operator's manual for the unit that powers this attachment. Do not use solvents or strong detergents.
- Keep these instructions. Refer to them often and use them to instruct other users. If you loan this unit to others,
 also loan them these instructions.

SAVE THESE INSTRUCTIONS

SAFETY & INTERNATIONAL SYMBOLS

This operator's manual describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance, and repair information.

SYMBOL	MEANING
\triangle	SAFETY ALERT SYMBOL Indicates danger, warning or caution. May be used in conjunction with
	READ OPERATOR'S MANUAL WARNING: Read the operator's manual(s) and follow all warnings and safety instructions. Failur y to the operator and/or bystanders.
	WEAR EYE AND HEARING PROTECTION WARNING*• Thrown objects and loud noise can cause severe eye injury and hearing loss. Wear SI / ISEA Z87.I standards and ear protection when operating this unit. Use a full face shield when
	WEAR FOOT PROTECTION Always wear heavy-duty. non-slop footwear when operating this u
	WEAR HAND PROTECTION Always wear heavy-duty, non-slip gloves when handling this unit.
1	THROWN OBJECTS CAN CAUSE SEVERE INJURY WARNING: Small objects can be propelled at high speed, causing injury.
Min. 50 ft → → 15 m	KEEP BYSTANDERS AWAY WARNING: Keep all bystanders, especially children and pets, at least 50 feet (15 m) from the operating area.
	DO NOT USE IN THE RAIN WARNING: Avoid dangerous environments. Never operate the unit in the rain or in damp or wet conditions. Moisture is a shock hazard.

ROTATING BLADE CAN CAUSE SEVERE INJURY

WARNING: Stop the unit and allow the blade to stop before replacing the blade, cleaning or perf ds and feet away from moving parts.

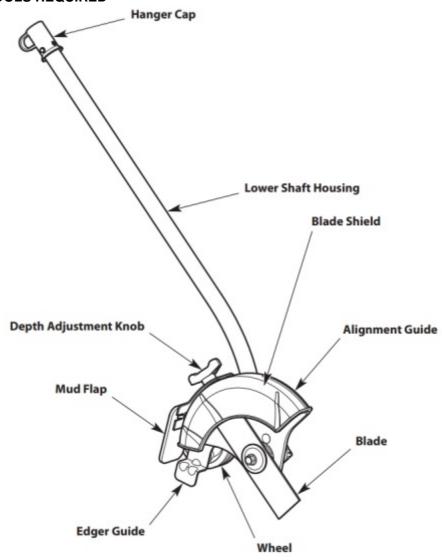
KNOW YOUR UNIT

NOTE: The model depicted may differ from yours.

APPLICATIONS

• Edging along paths, driveways, rockeries, etc.

NO ASSEMBLY TOOLS REQUIRED



SPECIFICATIONS*

• All specifications are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

ASSEMBLY

INSTALLING AND REMOVING THE ATTACHMENT

The coupler enables the use of various optional attachments.



WARNING: Before using any attachment, read and understand the manual that came wi mation contained within.



WARNING: To avoid serious personal injury and damage to the unit, shut the unit off bef

Installing the Attachment

- 1. Remove the hanger cap from the attachment. Keep the hanger cap for use when storing the attachment. If present, remove the gray spacer from the coupler.
- 2. Set the unit on a flat, level surface.
- 3. Turn the knob counterclockwise to loosen the coupler (Fig. 1).
- 4. Align the release button with the guide recess (Fig. 3).
- 5. Push the attachment straight into the coupler (Fig. 2) until the release button snaps firmly into the primary hole (Fig. 3).
- 6. Turn the knob clockwise to tighten the coupler (Fig. 1).



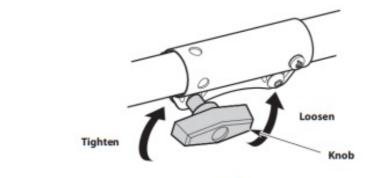
WARNING: Before operating the unit, make sure the release button is fully snapped into the pr is securely tightened.

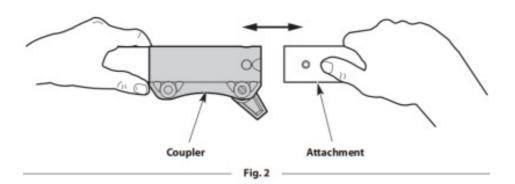


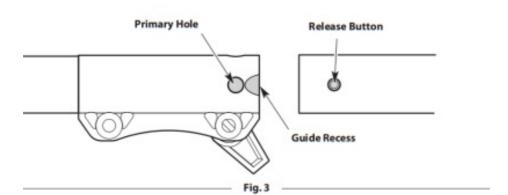
WARNING: Unless specified otherwise, the release button should be snapped into the primary ng hole could lead to personal injury or damage to the unit.

Removing the Attachment

- 1. Set the unit on a flat, level surface.
- 2. Turn the knob counterclockwise to loosen the coupler (Fig. 1).
- 3. Press and hold the release button (Fig. 3).
- 4. Pull the attachment straight out of the coupler (Fig. 2).







OPERATION

HOLDING THE UNIT



DANGER: Keep all body parts (hands, feet, face, etc.) away from moving blades. Contact wit onal injury.



WARNING: Always wear eye, hearing, hand, foot, and body protection to reduce the risk of ir e mask or dust mask if the operation is dusty.



WARNING: To prevent serious personal injury, avoid arm contact with the engine while opera ly hot.

- Stand in the operating position (Fig. 4). Stand up straight. Do not bend over.
- · Keep feet apart and firmly planted.
- · Hold the unit with a firm grip.
- Hold the rear handle with the right hand. Keep the right arm slightly bent.
- Hold the front handle with the left hand. Keep the left arm straight.
- · Hold the unit at waist level.
- Hold the unit so that it easily contacts the ground without the need for bending over.



- Keep the wheel on the sidewalk or pavement.
- To protect the sidewalk or pavement from damage, keep the edger guide in contact with the edge of the sidewalk or pavement.
- Use the alignment guide to help maintain proper alignment (Fig. 5).
- Keep the blade perpendicular to the ground.
- DO NOT force the unit. Make the first cut no more than 1/2" deep. Increase the depth by 1 /2" and cut the area again. Repeat this process until the desired depth is achieved. Refer to Adjusting the Cutting Depth.
- Cut at a slow, even pace.



WARNING: Blade thrust can occur object that it does not immediately ause the unit and/or operator to be control of the unit. Blade thrust can talls, or binds. I his is more likely to e material being cut.

Frequently check the condition of the blade. As it wears, the blade will become smaller, reducing the cutting depth. Replace the blade as needed. Refer to Replacing the Blade.



WARNING: The blade will continue to spin for a while after the unit is turned off. To avoid so ng blade.



WARNING: To avoid serious personal injury, always turn the unit off before removing debr complete stop.

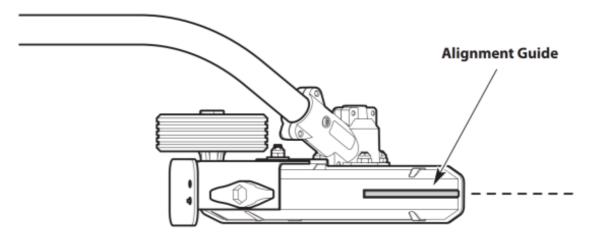


Fig. 5

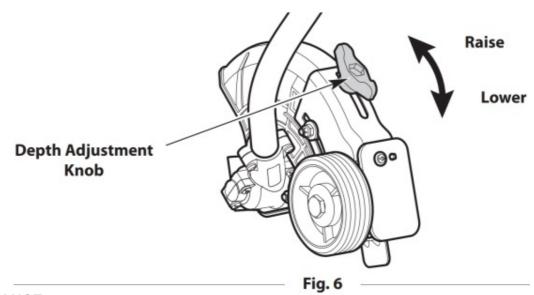


WARNING: To avoid serious personal injurtallow it to cool before adjusting the cutting s, disconnect the spark plug wire. For elect the unit from the power source. For batte he battery.

- 1. Loosen the depth adjustment knob (Fig. 6).
- 2. Slide the wheel up or down to the desired height.

NOTE: Lowering the wheel will decrease the cutting depth. Raising the wheel will increase the cutting depth.

- 3. lighten the depth adjustment knob.
- 4. Reconnect the spark plug wire and continue use.



MAINTENANCE



WARNING NG: To prevent serious injury, never perform maintenance on the unit while units, disconnect the spark plug wire to prevent the unit from starting accidentally. For a disconnect the unit from the power source to prevent the unit from starting accidentally move the battery to prevent the unit from starting accidentally. Always allow the unit to it



WARNING: Wear protective clothing and observe all safety instructions to prevent seri

NOTE: Some maintenance procedures may require special tools or skills. If you are unsure about these procedures, take the unit to an authorized service dealer. Refer to the Service/ Warranty Supplement for more information.

REPLACING THE BLADE



WARN I NG: To avoid serious person ndling the blade.

Removing the Blade

- 1. Align the output shaft hole with the locking rod slot. Insert the locking rod through the locking rod slot and into the output shaft hole (Fig. 7).
- 2. Keep the locking rod in place by holding it next to the lower shaft housing (Fig. 8).
- 3. While holding the locking rod, loosen the lock nut by turning it clockwise with a wrench (Fig. 9).
- 4. Remove the locking rod. Remove the lock nut, blade retainer, and blade (Fig. 10). Keep the lock nut and blade retainer for installing the new blade.

Installing the Blade

- 1. Lower the new blade onto the output shaft bushing (Fig. 10). Make sure the blade is flat against the output shaft bushing.
- 2. Place the blade retainer onto the output shaft with the flat surface against the blade (Fig. 10).
- 3. Screw the nut onto the output shaft (Fig. 10).
- 4. Align the output shaft hole with the locking rod slot. Insert the locking rod through the locking rod slot and into the output shaft hole (Fig. 7).
- 5. Keep the locking rod in place by holding it next to the shaft housing (Fig. 8).
- 6. While holding the locking rod, tighten the lock nut by turning it counterclockwise (Fig. 9). Make sure that the blade stays flat and centered against the output shaft while tightening the lock nut. If you have a torque wrench, tighten the lock nut to 325-335 in•lbs (37-38 •m). If you do not have a torque wrench, tighten the lock nut with a wrench, until the lock nut presses against the blade retainer and the blade is snug. Make sure the blade is installed correctly, then rotate the nut an additional 1/4-1/2 turn.

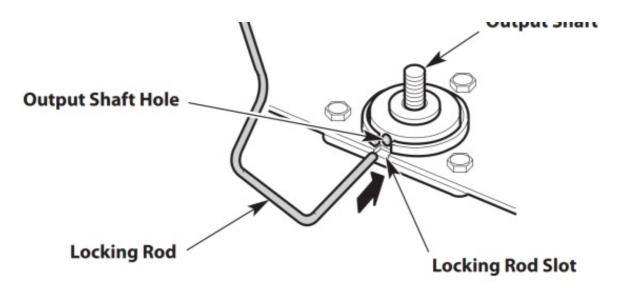


WARNING: Make sure the blade is flat againg after the lock nut is tightened. If the blade damaged by vibration, and the blade may fous personal injury.

7. Remove the locking rod.



WARN I NG: To avoid serious personal ir not start or operate the unit with the lockir rod slot.



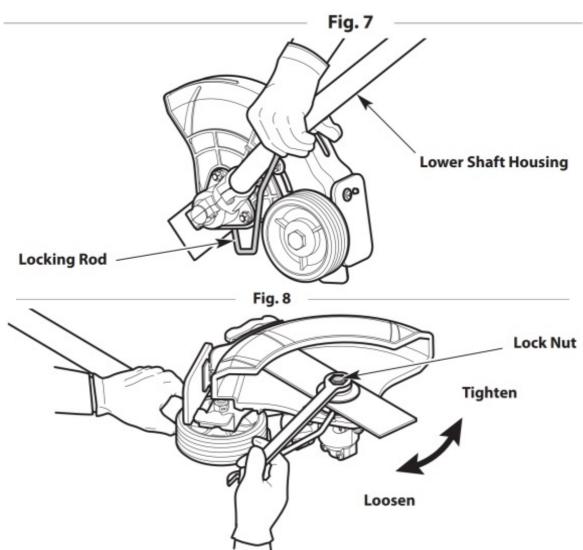
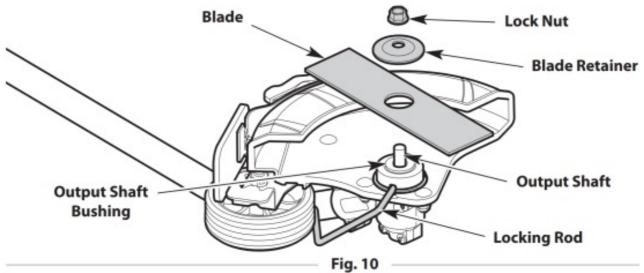


Fig. 9



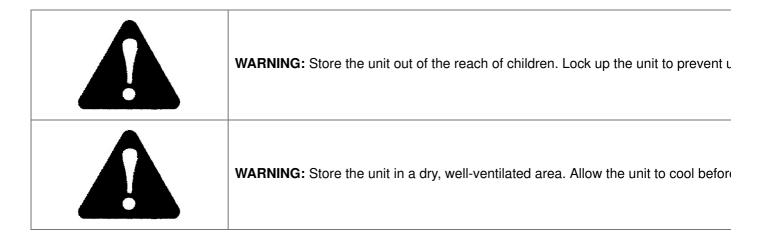
CLEANING AND STORAGE

CLEANING



WARNING: To avoid serious personal injur allow it to cool before cleaning or maintaining dunits, disconnect the spark plug wire to paccidentally. For electric-powered units, discover source to prevent the unit from starting owered units, remove the battery to preven entally.

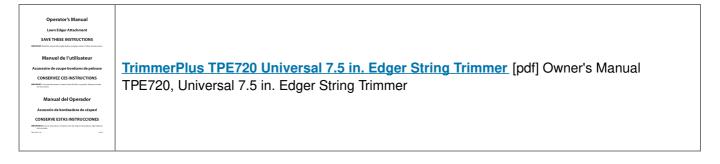
Use a small brush to clean the outside of the unit. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and solvents such as kerosene, can damage the plastic. Wipe off any moisture with a soft cloth. Clean the blade with water. Wipe the blade with light machine oil to prevent rust. **STORAGE**



- Thoroughly clean the unit and inspect it for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
- To suspend the attachment from a hook, install the hanger cap onto the attachment. Make sure the release button is securely locked into one of the holes on the hanger cap.



Documents / Resources



Manuals+,