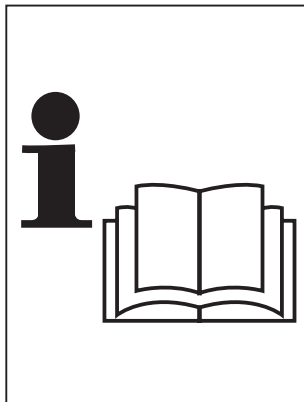


# **Tanaka**<sup>®</sup>

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## **TBC-255SFK**

# OWNER'S MANUAL



Read the manual carefully before operating this machine.

# INTRODUCTION

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Thank you for your purchase of the Tanaka 3-in-1 professional yard maintenance kit. The easy quick-connect design allows you to efficiently switch between the various tools for different jobs and one commercial quality engine powers all of the equipment.

Please take the time to carefully review all of the information accompanying your new equipment. A complete understanding of the product and its uses will make for a more enjoyable and productive experience.

Power equipment can be dangerous. Use good judgment when operating the tools, and most importantly – read and understand all of the safety precautions prior to operating. Be sure that anyone else who may be operating this equipment has received and reviewed the manual.

An exploded parts illustration is available on the Tanaka website, [www.tanakapowerequipment.com](http://www.tanakapowerequipment.com). Always use genuine Tanaka replacement parts and accessories.

If you have any questions as to the function or safety of the equipment seek professional guidance either from your Tanaka dealer or from Tanaka direct at 1-888-482-6252 or [www.tanakapowerequipment.com](http://www.tanakapowerequipment.com).

In addition to the attachments included with your TBC-255SFK, the following attachments and accessories can be purchased to add to its versatility:

TMC-200 Mini-cultivator Attachment



TSW-210 Power Sweeper Attachment



TPH-210 Articulating Pole Hedge Trimmer Attachment



2' and 3' Pole Saw Extensions



## IMPORTANT SAFETY INFORMATION

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**⚠ WARNING!** • Read the Operator's Manual and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and /or bystanders. • Objects may be thrown or ricochet in all directions. **ALWAYS WEAR EYE PROTECTION.** • Keep bystanders at least 50 feet (15m) away. • To reduce the chance of hearing loss, always wear ear protection. • To reduce the risk of injury from loss of control, never use a metal blade on a curved shaft grass trimmer. Never use a metal blade on any brushcutter without barrier bar or bicycle handle configuration and safety strap. • Use of a blade may cause a sudden sideways, forward or backward motion of the brushcutter when the blade contacts a solid object. See Owner's manual for model specific details.

### Before using your new unit

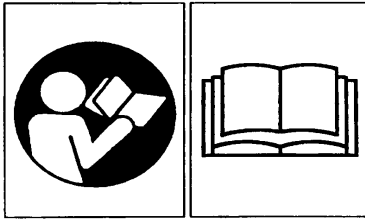
Read the operators manual carefully.  
Check that the cutting equipment is correctly assembled and adjusted.  
Start the unit and check the carburetor adjustment.  
See "Maintenance".



### WARNING

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

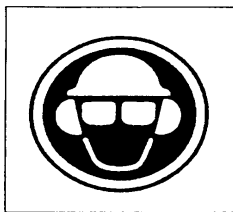
### Meanings of symbols or labels.



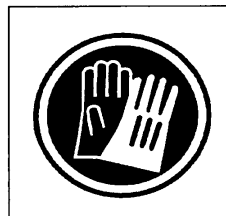
It is important that you read, fully understand and observe the following safety precautions and warnings. Careless or improper use of the unit may cause serious or fatal injury.



Read, understand, and follow all warnings and instructions in this manual and on the unit.



Always wear eye, head, and ear protectors when using this unit.



Gloves should be worn when necessary, e.g. when assembling cutting equipment.



Use anti-slip and sturdy footwear.

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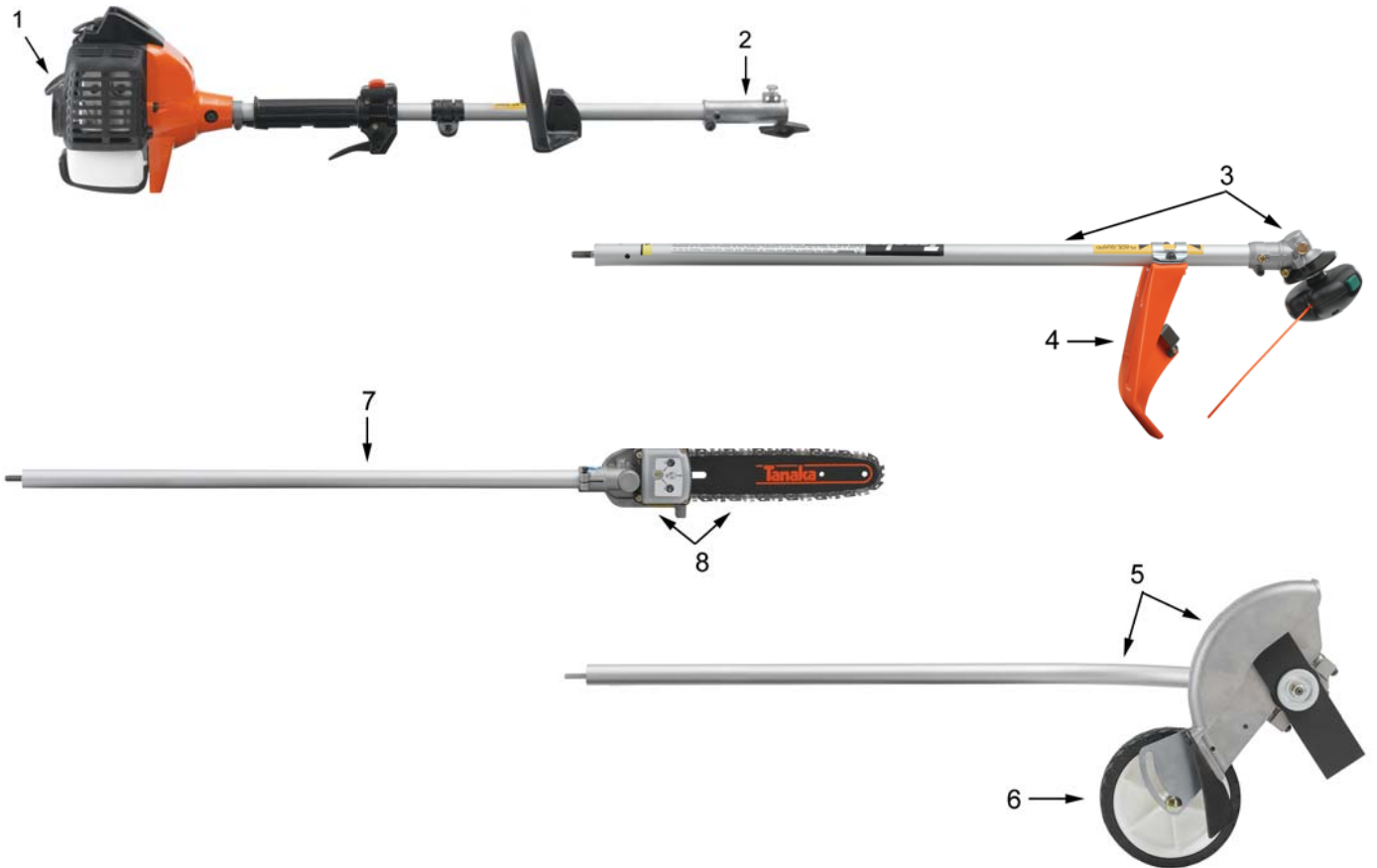
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# 1. CARTON CONTENTS

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- |                                       |  |
|---------------------------------------|--|
| 1. Engine                             | 5. Edger Attachment                          |
| 2. Joint Case Assembly                | 6. Edger Wheel Assembly(not attached in box) |
| 3. Trimmer Attachment                 | 7. Pole Saw shaft                            |
| 4. Safety Guard (not attached in box) | 8. Pole Saw Assembly (not attached in box)   |



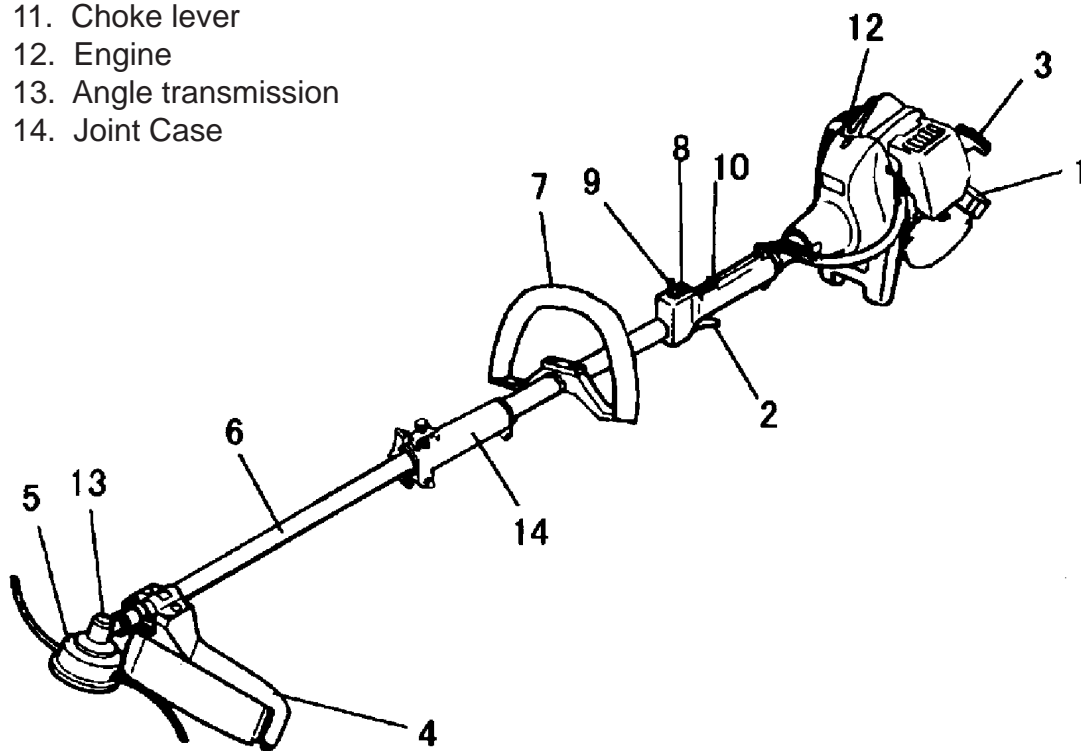
1. Joint Case Assembly
2. Safety Guard Assembly
3. Nylon Line
4. 2.6 oz bottle of Tanaka Oil
5. Edger Blade (spare)
6. Strap



## 2. KEY FEATURES AND COMPONENTS

EN

1. Fuel Cap
2. Throttle Trigger
3. Starter Handle
4. Blade Guard
5. Cutting attachment
6. Drive Shaft Tube
7. Handle Bar
8. Ignition switch
9. Throttle lock
10. Safety Trigger
11. Choke lever
12. Engine
13. Angle transmission
14. Joint Case



### 3. WARNINGS AND SAFETY INSTRUCTIONS

**If situations occur which are not covered in this manual, take care and use common sense. Contact your dealer if you need assistance. Pay special attention to statements preceded by the following words:**

#### **WARNING!**

Indicates a strong possibility of severe personal injury or loss of life, if instructions are not followed.

#### **NOTE!**

Helpful information for correct function and use.

#### **CAUTION!**

Indicates a possibility of personal injury or equipment damage, if instructions are not followed.

#### **CAUTION!**

Do not disassemble the recoil starter. You may get a possibility of personal injury with recoil spring.

#### **Operator Safety**

- Always wear a safety face shield or goggles.
- Always wear heavy, long pants, boots and gloves. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair so it is above shoulder length.
- Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
- Never let a child or inexperienced person operate the machine.
- Wear hearing protection.
- Never start or run the engine inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handles free of oil and fuel.
- Keep hands away from cutting equipment.
- Do not grab or hold the unit by the cutting equipment.
- When the unit is turned off, make sure the cutting attachment has stopped before the unit is set down.
- When operation is prolonged, take a break from time to time so that you may avoid possible whitefinger disease which is caused by vibration.

#### **Unit / Machine Safety**

- Inspect the entire unit/machine before each use. Replace damaged parts.
- Check for fuel leaks and make sure all fasteners are in place and securely tightened.

- Replace parts that are cracked, chipped or damaged in any way before using the unit/machine.
- Make sure the safety guard is properly attached.
- Keep others away when making carburetor adjustments.
- Use only accessories as recommended for this unit/machine by the manufacturer.

#### **WARNING!**

**Never modify the unit/machine in any way. Do not use your unit/machine for any job except that for which it is intended.**

#### **Fuel Safety**

- Mix and pour fuel outdoors and where there are no sparks or flames.
- Use a container approved for fuel.
- Do not smoke or allow smoking near fuel or the unit/machine or while using the unit/machine.
- Wipe up all fuel spills before starting engine.
- Move at least 3 m away from fueling site before starting engine.
- Stop engine before removing fuel cap.
- Empty the fuel tank before storing the unit/machine. It is recommended that the fuel be emptied after each Use.

#### **WARNING!**

**Antivibration systems do not guarantee that you will not sustain whitefinger disease or carpal tunnel syndrome. Therefore, continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear, seek medical advice immediately.**

#### **Cutting Safety**

- Do not cut any material other than grass and brush.
- Inspect the area to be cut before each use. Remove objects which can be thrown or become entangled.
- For respiratory protection, wear an aerosol protection mask when cutting the grass after insecticide is scattered.
- Keep others including children, animals, bystanders and helpers outside the 15 m hazard zone. Stop the engine immediately if you are approached.
- Always keep the engine on the right side of your body.
- Hold the unit/machine firmly with both hands.
- Keep firm footing and balance. Do not over-reach.

- Keep all parts of your body away from the muffler and cutting attachment when the engine is running.
- Keep cutting attachment below waist level.

Store unit/machine and fuel in area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.

#### **Maintenance safety**

- Maintain the unit/machine according to recommended procedures.
- Disconnect the spark plug before performing maintenance except for carburetor adjustments.
- Keep others away when making carburetor adjustments.
- Use only genuine Tanaka replacement parts as recommended by the manufacturer.

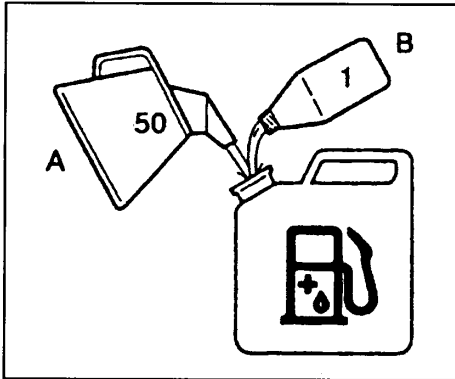
#### **Transport and safety**

- Carry the unit/machine by hand with the engine stopped and the muffler away from your body.
- Allow the engine to cool, empty the fuel tank, and secure the unit/machine before storing or transporting in a vehicle.
- Store unit/machine out of the reach of children.
- Clean and maintain the unit carefully and store it in a dry place.
- Make sure engine switch is off when transporting or storing.

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## 4. GENERAL UNIT OPERATION

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### Fuel

#### **⚠ WARNING!**

**The trimmer is equipped with a two-stroke engine. Always run the engine on fuel which is mixed with oil. Provide good ventilation, when fueling or handling fuel.**

- Always use branded 89 octane unleaded gasoline.
- Use Tanaka two-cycle oil with a mix of 50:1.
- If Tanaka oil is not available, use an anti-oxidant added quality oil expressly labeled for air-cooled 2-cycle engine use (JASO FC GRADE OIL or ISO EGC GRADE.)
- Do not use BIA or TCW (2-stroke liquid cooled type) mixed oil.
- Never use multi-grade oil (10 W/30) or waste oil.
- Always mix fuel and oil in a separate clean container.
- Always start by filling half the amount of fuel, which is to be used. Then add the whole amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of fuel.
- Mix (shake) the fuel-mix thoroughly before filling the fuel tank.

### Fueling

#### **WARNING!**

**Always shut off the engine before refueling.**

- Slowly open the fuel tank, when filling up with fuel, so that possible over-pressure disappears.
- Tighten the fuel cap carefully after fueling.
- Always move trimmer at least 3m (10ft.) from the fueling area before starting.
- Before fueling, clean the tank cap area carefully to ensure that no dirt falls into the tank.
- Make sure that the fuel is well mixed by shaking the container, before fueling.



## 5. UNIT ASSEMBLY & OPERATION

### Brush Cutter

#### Power Head Assembly

EN

The TBC-255SFK utilizes one engine to power all of the various attachments. The top portion of the shaft (closest to the engine) is common to all of the attachments. The brushcutter shaft (lower portion), requires set-up as follows:

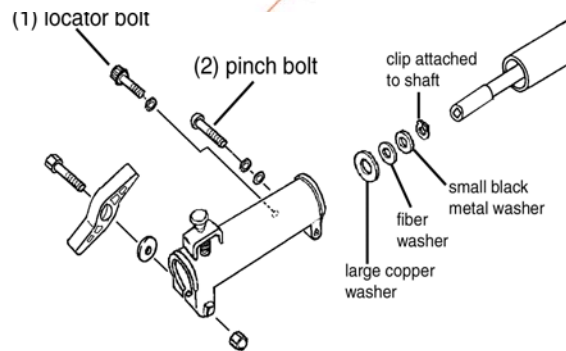
1. Remove all of the product contents from the carton. Identify the engine with the shaft and handle attached as shown :



2. Locate the lower section of brushcutter shaft as shown:



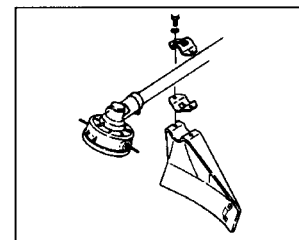
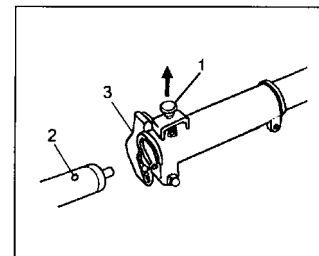
3. Before the lower shaft assembly can be joined to the upper shaft, it is necessary to install the coupler onto the upper shaft. Carefully place all three washers over the end of the shaft protruding from the shaft assembly on the engine side as depicted:



With all the washers in place over the end of the shaft, place the connector over the shaft end with the washers so the locator bolt (1) on the connector is aligned with the locator hole on the shaft. After the locator bolt is secured, tighten the connector to the shaft using the pinch bolt (2).

With the connector assembled to the upper shaft, you can now attach the lower shaft assembly as described in the next section.

4. The lower brushcutter section comes with the No-Brainer cutting head attached. Place the opposite end of the shaft into the coupler on the upper shaft as depicted:
5. Make sure the shaft is fully inserted and that the locking bolt is properly aligned with the location hole and that the tightening knob is securely tightened. Failure to properly connect the shaft sections will result in damage to the shaft and possible injury to the operator.
6. Install the safety guard onto the shaft as shown. Use caution when handling the safety guard as the shield uses a sharp line limiter blade.



#### **CAUTION**

Your TBC-255SFK is categorized under the ANSI safety standard B175.3, as a “convertible grass trimmer”. This means that while your machine does not come equipped as blade capable, it is possible to convert it for use with a steel blade (commonly referred to as a “brushcutter”). By purchasing the blade kit (Tanaka part number 748503), you will have the necessary components to safely use a blade. These components include a blade capable debris shield, barrier bar, safety strap and blade retaining hardware.

**NEVER ATTEMPT TO USE THIS MACHINE WITH A STEEL BLADE WITHOUT FIRST PROPERLY CONVERTING THE UNIT TO A BLADE CAPABLE BRUSHCUTTER!**

## 5. UNIT ASSEMBLY & OPERATION

EN

### Line Trimmer Operation

### Brush Cutter

**BE SURE YOU HAVE READ AND UNDERSTAND THE GENERAL WARNINGS AND SAFETY INSTRUCTIONS DESCRIBED IN SECTION 3.**

#### Cutting Safety

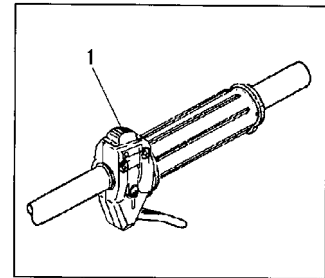
- a. Do not cut any material other than grass and brush.
- b. Inspect the area to be cut before each use. Remove any objects which can be thrown or can become entangled.
- c. For respiratory protection, wear an aerosol protection mask, especially if any insecticide or other chemical agents have been dispersed.
- d. Always wear a safety face shield or goggles.
- e. Always wear heavy, long pants, boots and gloves. Do not wear loose clothes, jewelry, short pants, sandals or go barefoot. Secure hair so it is above shoulder length.
- f. Do not operate the tool if you are tired, ill or under the influence of alcohol, drugs or medication.
- g. Never let a child or inexperienced person operate the machine.
- h. Never start or run the engine inside an enclosed room or building. Exhaust fumes can kill.
- i. Keep handles free of oil and dirt.
- j. Keep hands away from cutting attachments. When the unit is turned off, make sure the cutting attachment has stopped before the unit is set down.
- k. When operation is prolonged, take a break form time to time so that you may avoid possible white-finger disease which is caused by vibration.
- l. Wear hearing protection.
- m. Keep all others bystanders, including children and pets outside the 15 meter hazard zone. Stop the engine immediately if you are approached.
- n. Always keep the engine on the right side of your body.
- o. Hold the machine firmly with both hands.
- p. Keep all parts of your body away from the muffler and cutting attachment when the engine is running.
- q. Keep firm footing and balance. Do not over-reach.
- r. Keep cutting attachment below waist level.

#### Starting

#### **! CAUTION!**

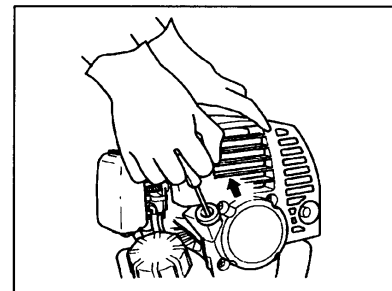
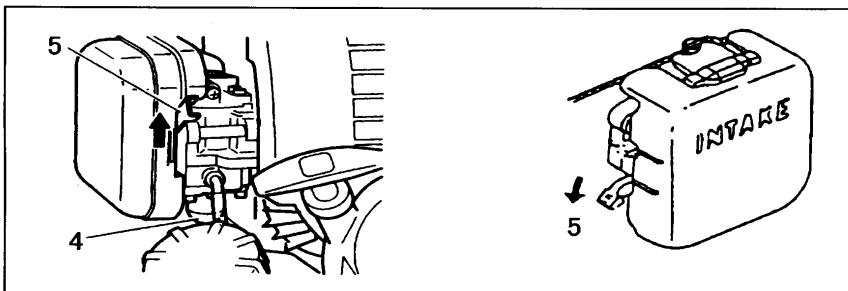
**Before starting, make sure the cutting attachment does not touch anything.**

1. Set ignition switch (1) to ON position.  
\*\*Push priming bulb (4) several times so that the fuel flows through return pipe.
2. Set choke lever to CLOSED position (5).
3. Pull recoil starter briskly, taking care to keep the handle in your grasp and not allowing it to snap back.
4. When you hear the engine want to start, return choke lever to RUN position (open). Then pull recoil starter briskly again.



#### **NOTE!**

If the engine does not start, repeat procedures from 2 to 4.



5. After starting engine, allow engine about 2-3 minutes to warm up before subjecting it to any load.

## 5. UNIT ASSEMBLY & OPERATION

### Brush Cutter

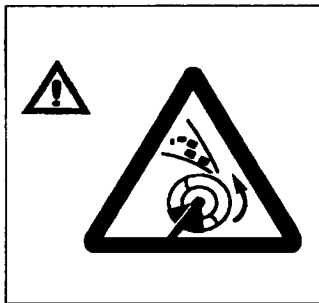
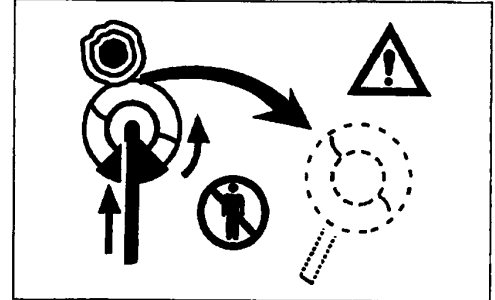
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#### Cutting

When cutting, operate engine at over 6500 rpm. Extended time of use at low rpm may wear out the clutch prematurely.

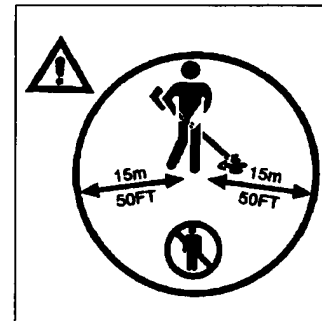
Cut grass from right to left.

If using a steel blade, thrust may occur when the spinning blade contacts a solid object in the critical area. A dangerous reaction may occur causing the entire unit and operator to be thrust violently. This reaction is called **BLADE THRUST**. As a result, the operator may lose control of the unit which may cause serious or fatal injury. Blade thrust is more likely to occur in areas where it is difficult to see the material to be cut.



The blade turns counterclockwise, therefore, be advised to operate the unit from right to left for efficient cutting.

Keep onlookers out of working area at least 15m (50 ft.).



#### **⚠ WARNING!**

**If cutting attachment should strike against stones or other debris, stop the engine and make sure that the attachment and related parts are undamaged. When grass or vines wrap around attachment, stop engine and attachment and remove them.**

#### Stopping

Decrease engine speed and run at an idle for a few minutes, then turn off ignition switch.

#### **⚠ WARNING!**

**A cutting attachment can injure while it continues to spin after the engine is stopped or power control is released. When the unit is turned off, make sure the cutting attachment has stopped before the unit is set down.**

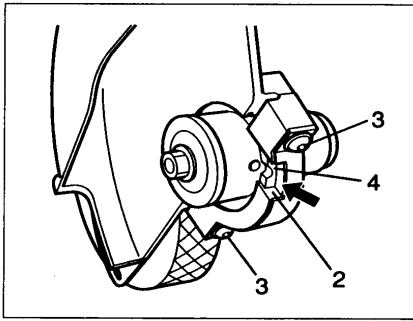
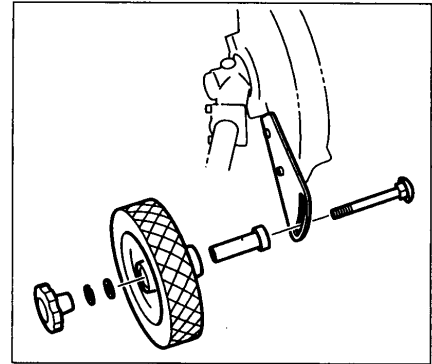
## 5. UNIT ASSEMBLY & OPERATION

EN

### Edger Attachment

#### Edger Assembly

The edger attachment comes assembled with the exception of attaching the wheel to the blade guard assembly. Using the carriage bolt included with the wheel, attach to the blade guard bracket as shown.



By loosening the safety guard assembly bolts (shown as reference number 3), the angle of the guard can be adjusted for preference. Be sure that the guard does not come off of the gear case lip on which it is intended to ride. Attempting to tighten it in place when incorrectly positioned can cause damage.

#### Edger Operating Procedures

**Before proceeding with this section, BE SURE YOU HAVE READ AND UNDERSTAND THE GENERAL WARNINGS AND SAFETY INSTRUCTIONS DESCRIBED IN SECTION 3.**

Use only for edging the type of grass and other growth for which the machine is designed.

1. Adjust the wheel within the guard bracket as depicted:

Adjust cutting depth by loosening knob nut (1) and moving location of wheel up or down. To increase cutting depth, move wheel location upwards and to decrease, move it lower. After the location is decided, tighten knob nut (1) securely.

**NOTE!**

**All adjustments should be made after engine has stopped completely, stop switch is in the OFF position and cutting attachment has stopped turning.**

2. Always hold unit firmly with both hands and keep body well balanced.

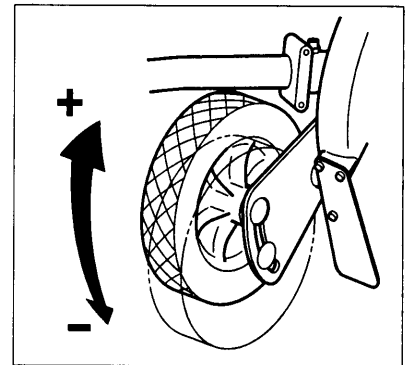
3. Always operate the edger positioned with the engine on the right side of the operator.

**⚠ WARNING!**

**Operate the unit from a position where guard blocks the line of sight to the cutting blade.**

**WARNING!**

**If blade should strike against stones or other debris, stop the engine and visually inspect the blade, guard and related parts for any damage.**



## 5. UNIT ASSEMBLY & OPERATION

### Polesaw Attachment

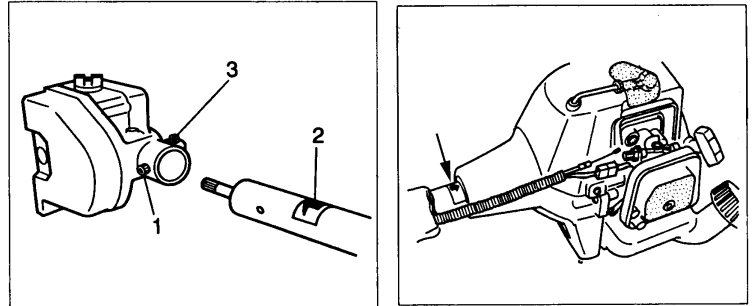
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#### Pole Saw Assembly

The pole saw attachment requires that the gear case be mounted to the shaft. The shaft is marked with "SF-PS". One end of the inner shaft is splined, while the other end is square. As with all of the attachments, the square end is designed to fit into the shaft coupler. The splined end is where the gear case mounts.


Loosen the locator screw (1) and set screw (3).

Insert the shaft tube into the gear case. Because the splines may not immediately align – it requires the shaft to be rotated until the splines align and the shaft seats in the gear case. When properly installed – the decal indicating proper assembly will appear as indicated :



#### Pole Saw Operation

Before proceeding with this section, **BE SURE YOU HAVE READ AND UNDERSTAND THE GENERAL WARNINGS AND SAFETY INSTRUCTIONS DESCRIBED IN SECTION 3.**

**WARNING**  **DANGER**

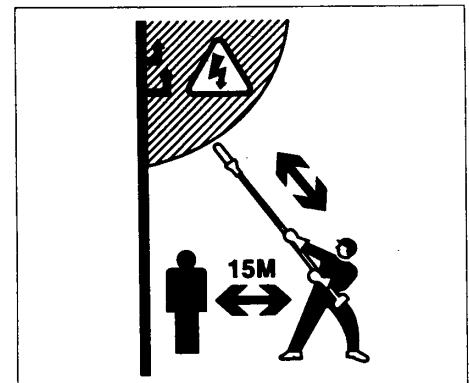
All overhead electrical conductors and communications wires can have electricity flow with high voltages. Never touch wires directly or indirectly when trimming, otherwise serious injury or death may result.

#### **CAUTION!**

Review the area to be trimmed. Look for hazards that could contribute to unsafe conditions. **DO NOT** operate unit if any wires (power, telephone, cable, etc.), are closer than 15M (50ft.) to any part of the operator or unit.

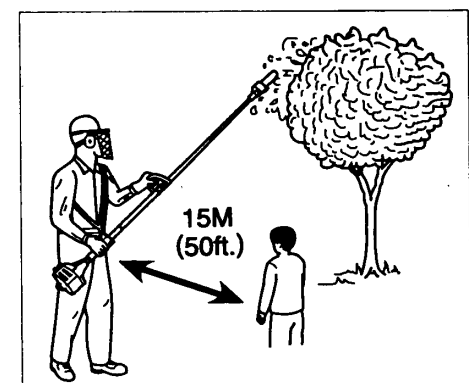
#### **AVOID ALL POWER LINES.**

**THIS UNIT IS NOT INSULATED AGAINST ELECTRICAL CURRENT!**



Spectators and fellow workers must be warned, and children and animals prevented from coming nearer than 15M (50ft.), while pole saw is in use.

Always wear head protection with full face shield to help protect against falling branches or debris.



## 5. UNIT ASSEMBLY & OPERATION

EN

### Polesaw Attachment

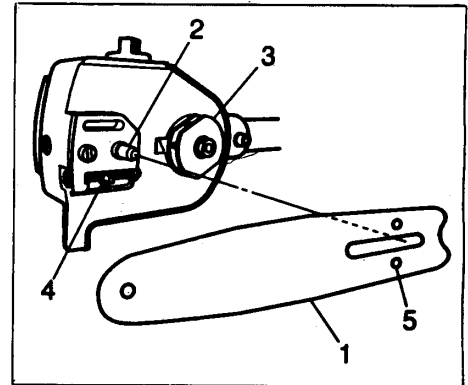
#### Pole Saw Operation

##### Installation of bar and chain.

Install the chain guide bar(1) onto the bolt (2) then push it toward the sprocket (3) as far as it will go. Make sure the boss of the chain tension adjuster (4) fits into the hole of the bar(5).

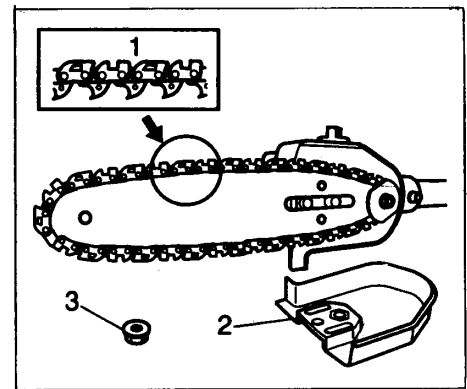
##### **NOTE!**

**Slightly move the bar back and forth and make sure the chain tension boss (4) fits into the hole (5) in the bar properly.**



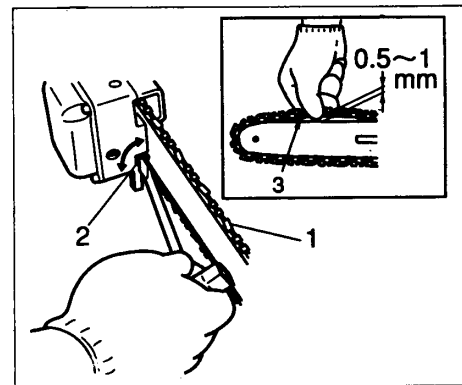
Confirm the direction of saw chain (1) is correct as indicated, and align the chain on the sprocket.

Guide the chain drive links into the bar groove all the way around the bar.



Install the side case (2) onto the guide bar clamp bolt. Thread nut onto clamp bolt but only tighten by hand.

Raise the bar end, and tighten the chain (1) by turning the tension adjustment bolt (2) clockwise. To check proper tension, lightly lift up the center of the chain and there should be about 0.5 – 1.0 mm clearance between bar and edge of drive link (3).

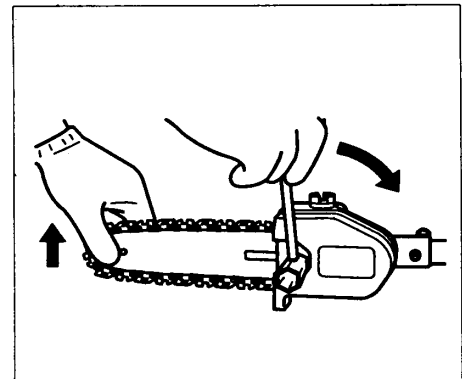


**⚠ CAUTION!**  
**PROPER TENSION IS EXTREMELY IMPORTANT!**

Raise the bar end and securely tighten the chain bar clamp nut with the supplied box wrench.

A new chain will stretch so adjust the chain after a few cuts and watch chain tension carefully for the first half hour of cutting.

**⚠ CAUTION! Always wear gloves when touching the chain.**



## 5. UNIT ASSEMBLY & OPERATION

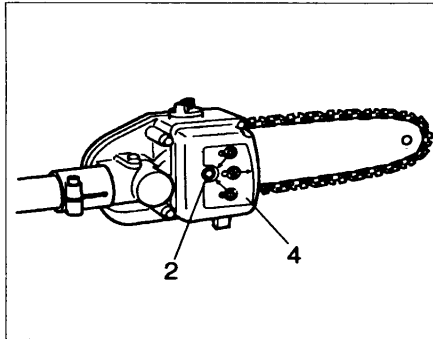
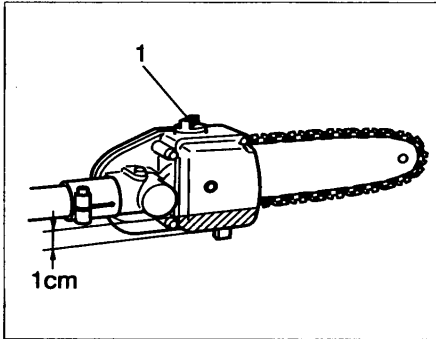
### Polesaw Attachment

EN

#### Chain Oil

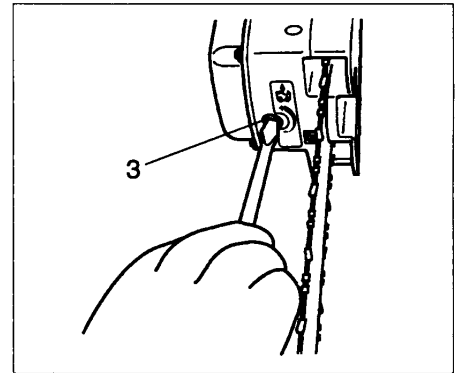
The chain oiler on your pole saw is automatic. When the engine is running, the chain oil is automatically discharged.

Fill oil reservoir with good quality bar and chain oil. Remove the oil reservoir tank cap (1), and fill to the top. Add chain oil when its level lowers to one centimeter from bottom.



#### Adjustment of Chain Oil Supply

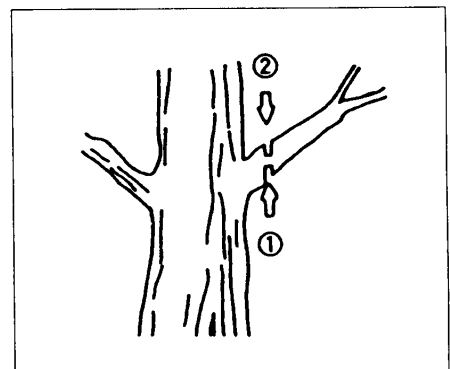
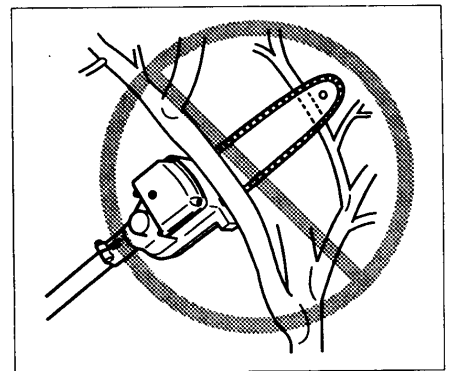
Loosen the locking screw (2) one turn. Turn the adjusting screw (3) clockwise to decrease the quantity and turn it counterclockwise to increase the quantity. Do not turn the adjusting screw (3) clockwise beyond one turn from its most counterclockwise position or the maximum quantity discharged position. After adjustment has been made, tighten locking screw (2).



#### Pole Saw Pruning Techniques

This attachment is designed for trimming small limbs and branches up to 8" in diameter. Follow these tips for successful operation.

1. Plan cut carefully. Check to see direction branch will fall before beginning.
2. Long branches should be removed in several pieces.
3. Do not stand directly beneath branch being cut.
4. Look out for branch immediately behind the branch being cut. If pole saw impacts rear branch – damage to the machine can occur.
5. Apply plenty of throttle to avoid chain catching in the wood.
6. When pruning a limb of 4" in diameter or larger, cut as follows:
  - a. Undercut limb diameter near tree trunk.
  - b. Finish top cut slightly farther out on limb.
  - c. Flush cut stub at trunk.
7. Never use the pole saw for bucking or felling.



## 6. MAINTENANCE

### Brush Cutter

EN

#### Carburetor adjustment

##### **⚠ WARNING!**

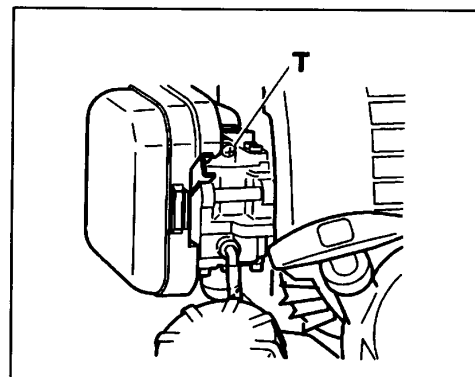
The cutting attachment may be spinning during carburetor adjustments.

##### **WARNING!**

Never start the engine without the complete clutch cover and tube assembled! Otherwise the clutch can come loose and cause personal injuries.

In the carburetor, fuel is mixed with air. When the engine is test run at the factory, the carburetor is basically adjusted. A further adjustment may be required, according to climate and altitude. The carburetor has one adjustment possibility:

**T = Idle speed adjustment screw.**



#### Idle speed adjustment (T)

Check that the air filter is clean. When the idle speed is correct, the cutting attachment will not rotate. If adjustment is required, close (clockwise) the T screw, with the engine running, until the cutting attachment starts to rotate. Open (counter clockwise) the screw until the cutting attachment stops. You have reached the correct idle speed when the engine runs smoothly in all positions well below the rpm when the cutting attachment starts to rotate. If the cutting attachment still rotates after idle speed adjustment, contact your Tanaka dealer.

##### **NOTE!**

Standard Idle rpm is 2500~3000 rpm.

##### **⚠ WARNING!**

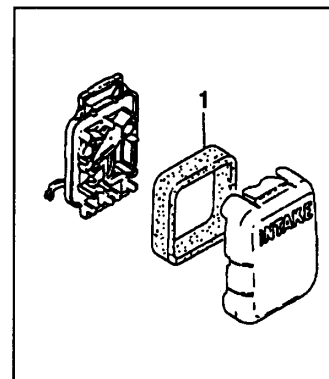
When the engine is idling the cutting attachment must under no circumstances rotate.

#### Air filter

The air filter must be cleaned from dust and dirt in order to avoid:

- Carburetor malfunctions.
- Starting problems.
- Engine power reduction.
- Unnecessary wear on the engine parts.
- Abnormal fuel consumption.

Clean the air filter daily or more often if working in exceptionally dusty areas.



#### Cleaning the air filter

Remove the air filter cover and the filter (1). Rinse it in warm soap suds. Check that the filter is dry before reassembly. An air filter that has been used for some time cannot be cleaned completely. Therefore, it must regularly be replaced with a new one. A damaged filter must always be replaced.



## 6. MAINTENANCE

### Brush Cutter

#### **Fuel Filter**

Drain all fuel from fuel tank and pull fuel filter line from tank. Pull filter element out of holder assembly. Replace filter if it appears to be discolored or hardened from use. The filter has a white, felt-like appearance when new.

#### **Spark Plug**

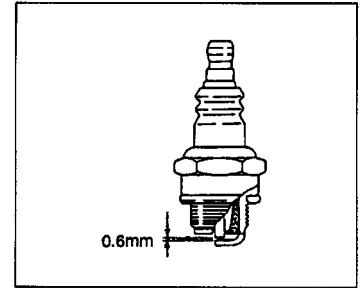
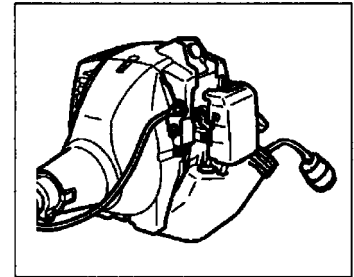
The spark plug condition is influenced by:

- An incorrect carburetor setting.
- Wrong fuel mixture (too much oil in the gasoline)
- A dirty air filter.
- Difficult running conditions (such as cold weather).

These factors cause deposits on the spark plug electrodes, which may result in malfunction and starting difficulties. If the engine is low on power, difficult to start or runs poorly at idling speed, always check the spark plug first. If the spark plug is dirty, clean it and check the electrode gap. Readjust if necessary. The correct gap is 0.6 mm. The spark plug should be replaced after about 100 operation hours or earlier if the electrode is badly eroded.

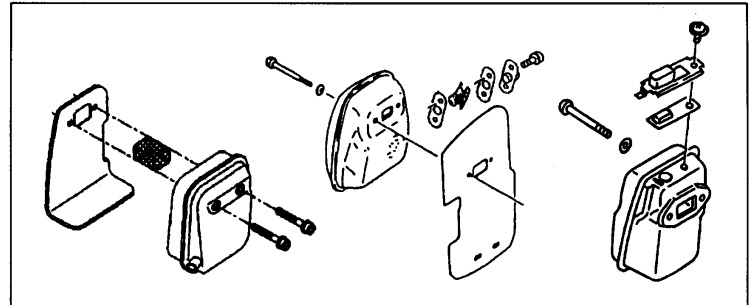
#### **NOTE!**

In some areas, local law requires using a resistor spark plug to suppress ignition signals. If this machine was originally equipped with resistor spark plug, use the same type of spark plug for replacement.



#### **Muffler**

Remove the muffler and clean any excess carbon from the exhaust port or muffler inlet every 100 hours of operation.



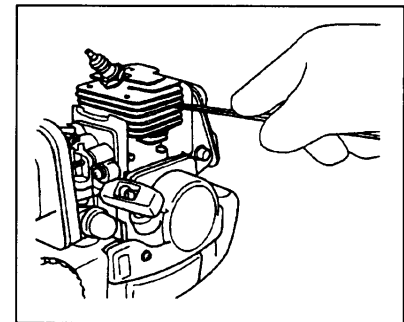
#### **Cylinder (Engine cooling)**

The engine is air cooled, and air must circulate freely around engine and over cooling fins on cylinder head to prevent overheating.

Every 100 Operating hours, or once a year (more often if conditions require), clean fins and external surfaces of engine of dust, dirt and oil deposits which can contribute to improper cooling.

#### **NOTE!**

Do not operate engine with engine shroud or muffler guard removed as this will cause overheating and engine damage.



#### **Angle transmission (brushcutter and edger only)**

Check the gear case grease level about every 50 hours of operation by removing the grease filler plug on the side of the case.

If no grease can be seen on the flanks of the gears, fill the transmission with a quality lithium based multipurpose grease up to 3/4.

Do not completely fill the transmission.

## 6. MAINTENANCE

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### Edger Maintenance

### Edger / Polesaw Attachments

#### Blade

#### **⚠ WARNING!**

**Wear protective gloves when handling or performing maintenance on the blade.**

When replacing blade, use genuine Tanaka replacement blade with a one inch (25.4mm), center arbor hole.

Discard blades that are bent, cracked, warped, broken or damaged in any way.

#### Gear Case

Check gear case for grease level after every 50 hours of use. Remove the grease filler plug on the side of the gear case. If no grease can be seen on the flanks of the gears, fill with a quality lithium based multipurpose grease. Fill to about  $\frac{3}{4}$  - do not completely fill.

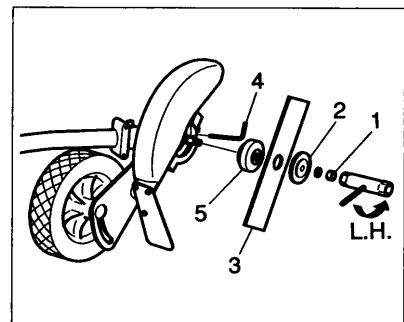
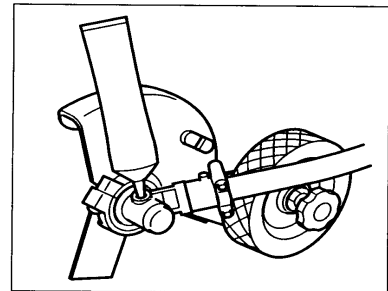
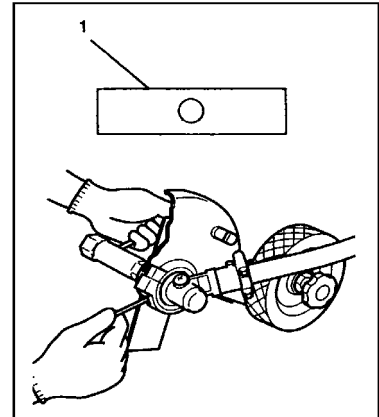
#### Edger Blade Replacement

1. Take off the left-handed nut (1) and cutter holder cap (2) from the blade shaft.
2. Install blade on the shaft and then replace the cutter holder cap and nut in order.

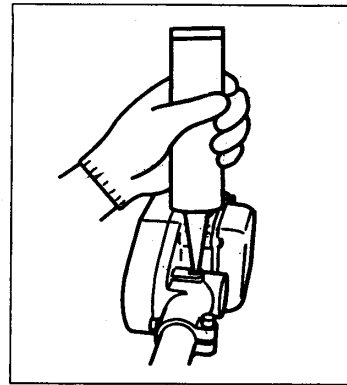
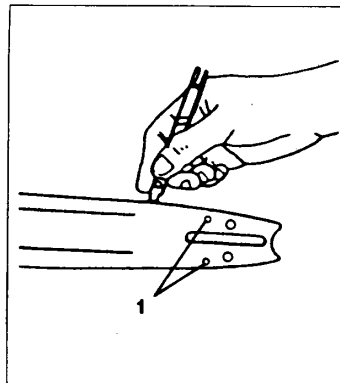
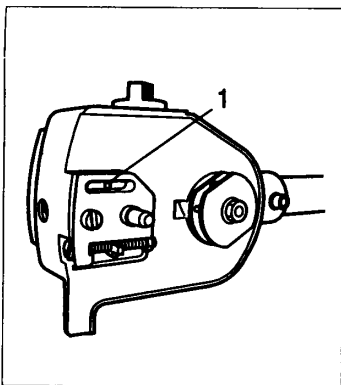
#### **NOTE!**

**When installing cutter holder cap (2), be sure to set concave side facing blade.**

3. Insert the locking bar (4) into the hole of the cutter holder (5) and the gear case by lining up each hole.
4. Tighten the blade nut securely (clockwise to loosen/counter clockwise to tighten)



#### Pole Saw Maintenance



Before each use, clean the chain oiler port (1) and bar groove.

Check gear case for grease level about every 50 hours of operation by removing the grease filler plug on the side of the gear case.

## 6. MAINTENANCE

### General

EN

#### Maintenance schedule

Below you will find some general maintenance instructions.

For further information please contact your service dealer.

#### Daily maintenance

- Clean the exterior of the unit.
- Check that the harness is undamaged.
- Check the blade guard for damage or cracks. Change the guard in case of impacts or cracks.
- Make sure the cutting attachment is properly centered, sharp, and without cracks. An off-centered cutting attachment induces heavy vibrations that may damage the unit.
- Make sure the cutting attachment nut is sufficiently tightened.
- Make sure the blade transport guard is undamaged and that it can be securely fastened.
- Check that nuts and screws are sufficiently tightened.

#### Weekly maintenance

- Check the starter, especially cord and return spring.
- Clean the exterior of the spark plug.
- Remove it and check the electrode gap. Adjust it to 0.6 mm, or change the spark plug.
- Clean the cooling fins on the cylinder and make sure the air intake at the starter is not clogged.
- Make sure the gear case is filled with grease up to  $\frac{3}{4}$  full.
- Clean the air filter.

#### Monthly maintenance

- Clean the exterior of the carburetor and the space around it.

## 7. WARRANTY

### TANAKA KOGYO CO., LTD. SMALL OFF ROAD ENGINE TWOYEAR LIMITED WARRANTY

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EMISSION RELATED PARTS, FOR TWO YEARS FROM THE DATE OF ORIGINAL DELIVERY OF THE SMALL OFF ROAD ENGINE, TANAKA (THE COMPANY), THROUGH ANY TANAKA DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL AND EACH SUBSEQUENT PURCHASER, ANY PART OR PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. EMISSIONRELATED PARTS ARE:

THE CARBURETOR ASS'Y, IGNITIONCOIL ASS'Y, MAGNETOROTOR, SPARKPLUG WIRES, SPARKPLUG, FUEL TANK, FUELFILTERS, AIRFILTERS, FUELPIPE, CATALYTIC MUFFLER (ON APPLICABLE MODELS), AND ALL GASKETS.  
HOWEVER SPARKPLUGS, AIRFILTER, FUELFILTER ARE WARRANTED TILL THE FIRST REPLACEMENT POINT.

ALL OTHER PARTS EXCEPT ABOVE PARTS, FOR TWO YEARS OF HOME USE (ONE YEAR FOR ANY OTHER USE), FROM THE DATE OF ORIGINAL DELIVERY OF THE SMALL OFF ROAD ENGINE, TANAKA (THE COMPANY), THROUGH ANY TANAKA DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL PURCHASER, ANY PART OR PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. THIS IS THE EXCLUSIVE REMEDY.

THE PURCHASER SHALL BEAR COSTS OF TRANSPORTING THE UNIT TO AND FROM THE TANAKA DEALER.

THE PURCHASER SHALL NOT BE CHARGED FOR DIAGNOSTIC LABOR WHICH LEADS TO THE DETERMINATION THAT A WARRANTY PART IS DEFECTIVE, IF THE DIAGNOSTIC WORK IS PERFORMED AT THE TANAKA DEALER.

THE PURCHASER OR OWNER IS RESPONSIBLE FOR THE PERFORMANCE OF THE REQUIRED MAINTENANCE AS DEFINED BY THE MANUFACTURER IN THE OWNNER'S MANUAL.

ANY WARRANTED PART WHICH IS NOT SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE, OR WHICH IS SCHEDULED ONLY FOR REGULAR INSPECTION TO THE EFFECT OF "REPAIR OR REPLACE AS NECESSARY" SHALL BE WARRANTED FOR THE WARRANTY PERIOD. ANY WARRANTED PART THAT IS SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE FOR THE PERIOD OF TIME UP TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THAT PART. ANY SUCH PART REPAIRED OR REPLACED UNDER WARRANTY WILL BE WARRANTED FOR THE REMAINDER OF THE PERIOD PRIOR TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THE PART.

ANY REPLACEMENT PART THAT IS EQUIVALENT IN PERFORMANCE AND DURABILITY MAY BE USED IN NONWARRANTY MAINTENANCE OR REPAIRS, AND SHALL NOT REDUCE THE WARRANTY OBLIGATION OF THE COMPANY.

THE COMPANY IS LIABLE FOR DAMAGES TO OTHER ENGINE COMPONENTS CAUSED BY THE FAILURE OF A WARRANTED PART STILL UNDER WARRANTY.

THIS WARRANTY DOES NOT APPLY THOSE UNITS WHICH HAVE BEEN DAMAGED BY NEGLIGENCE OF INSTRUCTION LISTED IN THE OWNER'S MANUAL FOR PROPER USE AND MAINTENANCE OF THE UNITS, ACCIDENT MISHANDLING, ALTERATION, ABUSE, IMPROPER LUBRICATION, USE OF ANY PARTS OR ACCESSORIES OTHER THAN THOSE SPECIFIED BY THE COMPANY, OR OTHER CAUSES BEYOND THE COMPANY'S CONTROL.

THIS WARRANTY DOES NOT COVER THOSE PARTS REPLACED BY NORMAL WEAR OR HARMLESS CHANGE IN THEIR APPEARANCE.

THERE ARE NO OTHER EXPRESS WARRANTIES.

IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LISTED TO TWO YEAR FROM THE ORIGINAL DELIVER DATE.

LIABILITIES OF INCIDENTAL OR CONSEQUENTIAL DAMAGE UNDER ANY AND ALL WARRANTIES ARE EXCLUDED.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

IF YOU NEED TO OBTAIN INFORMATION ABOUT THE NEAREST AUTHORIZED SERVICE DEALER, PLEASE CALL TANAKA KOGYO CO., LTD. C/O INTERNATIONAL SALES & MARKETING, INC. (253) 3331200.

IMPORTANT: YOU WILL RECEIVE A WARRANTY REGISTRATION CARD AT TIME OF PURCHASE. PLEASE FILL OUT THE CARD AND SEND IT TO TANAKA AMERICA, 1028 4<sup>th</sup> STREET SOUTH WEST, AUBURN, WA 98001.  
BE SURE TO KEEP A COPY FOR YOUR RECORDS.

## 7. WARRANTY

### EPA PHASE2/CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

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EPA, THE CALIFORNIA AIR RESOURCES BOARD AND TANAKA KOGYO CO., LTD. ARE PLEASED TO EXPLAIN THE EXHAUST AND EVAPORATIVE EMISSION CONTROL SYSTEM WARRANTY ON YOUR TANAKA SMALL OFF ROAD ENGINE. NEW SMALL OFF ROAD ENGINES MUST BE DESIGNED, BUILT AND EQUIPPED TO MEET STRINGENT EPA PHASE2/CALIFORNIA ANTISMOG STANDARDS. TANAKA KOGYO CO., LTD. MUST WARRANT THE EMISSION CONTROL SYSTEM ON YOUR SMALL OFF ROAD ENGINE FOR THE PERIODS OF TIME LISTED BELOW PROVIDED THERE HAS BEEN NO ABUSE, NEGLIGENCE OR IMPROPER MAINTENANCE OF SMALL OFF ROAD ENGINE.

YOUR EMISSION CONTROL SYSTEM INCLUDES PARTS SUCH AS THE CARBURETOR, FUEL TANK, IGNITION SYSTEM AND CATALYTIC CONVERTER.

WHERE A WARRANTABLE CONDITION EXISTS, TANAKA KOGYO CO., LTD. WILL REPAIR YOUR SMALL OFF ROAD ENGINE AT NO COST TO YOU INCLUDING DIAGNOSIS, PARTS AND LABOR. ANY SUCH PART REPAIRED OR REPLACED UNDER WARRANTY WILL BE WARRANTED FOR THE REMAINDER OF THE PERIOD PRIOR TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THE PART.

#### MANUFACTURE'S WARRANTY COVERAGE:

THE 1995 AND LATER SMALL OFF ROAD ENGINES ARE WARRANTED FOR TWO YEARS. IF ANY EMISSION RELATED PART ON YOUR ENGINE IS DEFECTIVE, THE PART WILL BE REPAIRED OR REPLACED BY TANAKA KOGYO CO., LTD.

#### OWNER'S WARRANTY RESPONSIBILITIES:

AS THE SMALL OFF ROAD ENGINE OWNER, YOU ARE RESPONSIBLE FOR THE PERFORMANCE OF THE REQUIRED MAINTENANCE LISTED IN YOUR OWNER'S MANUAL. TANAKA KOGYO CO., LTD. RECOMMENDS THAT YOU RETAIN ALL RECEIPTS COVERING MAINTENANCE ON YOUR SMALL OFF ROAD ENGINE, BUT TANAKA KOGYO CO., LTD. CANNOT DENY WARRANTY SOLELY FOR THE LACK OF RECEIPTS OR FOR YOUR FAILURE TO ENSURE THE PERFORMANCE OF ALL SCHEDULED MAINTENANCE.

AS THE SMALL OFF ROAD ENGINE OWNER, YOU SHOULD BE AWARE, HOWEVER, THAT TANAKA KOGYO CO., LTD. MAY DENY YOU WARRANTY COVERAGE IF YOUR SMALL OFF ROAD ENGINE OR A PART HAS FAILED DUE TO ABUSE, NEGLIGENCE, IMPROPER MAINTENANCE OR UNAPPROVED MODIFICATIONS.

YOU ARE RESPONSIBLE FOR PRESENTING YOUR LAWN AND GARDEN EQUIPMENT ENGINE TO A TANAKA KOGYO CO., LTD. SERVICE CENTER AS SOON AS A PROBLEM EXISTS. THE WARRANTY REPAIRS SHOULD BE COMPLETED IN A REASONABLE AMOUNT OF TIME, NOT TO EXCEED 30 DAYS.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR WARRANTY RIGHTS AND RESPONSIBILITIES, YOU SHOULD CONTACT TANAKA KOGYO CO., LTD. C/O INTERNATIONAL SALES & MARKETING, INC., CUSTOMER SERVICE REPRESENTATIVE AT (253) 3331200.

## 8. SPECIFICATIONS

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**Model** TBC-255SFK



**Engine Size (ml)**..... 24 (1.46 cu. in.)



**Spark Plug**..... Champion CJ6Y or RCJ6Y or equivalent



**Fuel Tank Capacity (l)**..... 0.67 (22.8 fl. oz.)



**Dry Weight (kg)**..... 5.4 (11.9 lbs)



**Sound Pressure Level (dB(A))**..... 92.5



**Sound Power Level (dB(A))**..... 112