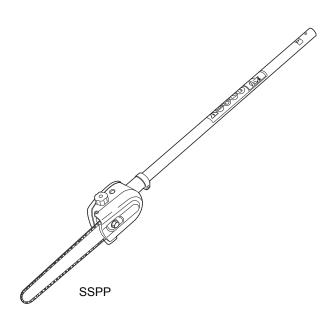
Pole Pruner AttachmentSSPP

Instruction Manual



For Safe Use of Pole Pruner Attachment

- Be sure to read this manual and the powerhead (separately sold) manual to have a good understanding of the contents before handling the pole pruner.
- If there is no powerhead manual, you can purchase one from your servicing dealer.
- Keep this manual and the powerhead manual in a readily accessible location.

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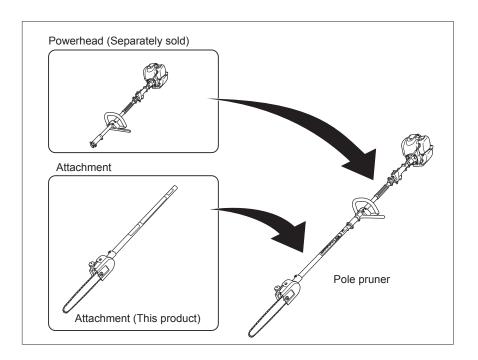
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Important Information

Intended Purpose

This product (hereinafter referred to as an attachment) is designed to be attached to an approved powerhead (to be purchased separately) for cutting or pruning trees or branches. (Refer to page 20 for approved powerheads.)

Do not use the pole pruner for any other purpose or in any other way.



General

- When handling the pole pruner, observe all the applicable safety rules, standards or regulations in the area where the pole pruner is used.
 - This pole pruner is designed and produced according to the standards and regulations applied in the purchase country, assuming that the use is limited to the purchase country only.
 - It will not comply with standards and regulations of other countries.
 - Do not export or resell the pole pruner to any other countries because the languages are different.
- Before use, read this instruction manual and powerhead manual thoroughly, and have a good understanding of the contents.
 - Do not allow any person who does not understand the contents of this manual to handle this pole pruner.
- Do not take any actions other than those described in this manual and powerhead manual.

Important Cautions for Safe Work

- NIKKARI Co., Ltd. (hereinafter referred to as NIKKARI) cannot foresee all the risks in handling the pole
 pruner. Therefore, also give consideration to general safety measures not stated in this manual and
 powerhead manual to prevent injuries when handling the pole pruner.
- The pole pruner is a very high speed cutting tool. To decrease risk of personal injury, special safety
 precautions must be observed. If it is used carelessly or inappropriately, hands or body could make
 contact with the saw chain, resulting in a fatal or serious injury.

Important Cautions for Instruction Manual

- This instruction manual is copyrighted and all rights are reserved. This instruction manual, in whole or
 part, may not be copied, translated or reproduced to any electronic medium or machine readable without
 prior written consent from NIKKARI.
- The contents described in this instruction manual and powerhead manual are subject to change without prior notice.
- Illustrations or figures shown in this instruction manual may partially differ from your pole pruner.
- If you lend or rent the pole pruner, be sure to provide the user with this manual and the powerhead instruction manual. Also, advise the user that they need to have a good understanding of the content of both manuals before starting any work.
- If this instruction manual or powerhead manual is lost or damaged, order a replacement from your servicing dealer immediately.
- If you have any questions about descriptions in this manual or powerhead manual, contact your servicing dealer.
- The names of companies and products described in this manual are generally trademarks or registered trademarks of each company.

1. Safety

California Proposition 65

This product contains or emits chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

1.1 Warnings

For appropriate use of the pole pruner, follow the instructions in this manual. Warning labels are attached to places where there are potential risks or in the periphery. The warnings in this instruction manual and the warning labels are categorized depending on the degree of risk as shown in the table below.

1.1.1 Warning Description

Signal words in this instruction manual are categorized as shown below. If the warning for each signal word is ignored, injury or death may result.

■ Meanings of signal words

▲ DANGER	Indicates an immediately hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in mild to moderate injury.
▶Note	It could result in property damage. Indicates to emphasize important information or provide helpful information.

■ Meanings of symbols

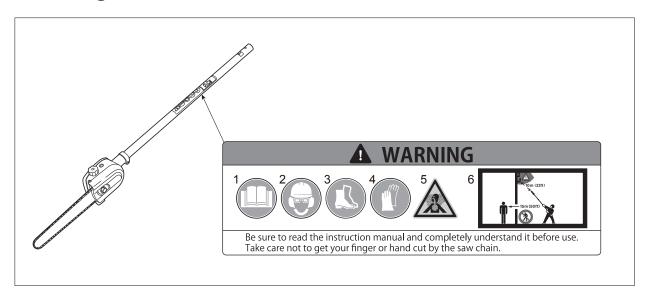
\triangle	Caution Sign	Indicates that hazardous situation may result if you fail to follow the instructions. The hazards are indicated by the pictogram inside the symbol.
\Diamond	Prohibition Sign	Indicates prohibition of dangerous action. Prohibited actions are indicated by the pictogram inside or by the symbol.
	Enforcement Sign	Indicates enforcement of actions. Actions to be enforced are indicated by the pictogram inside the symbol. This action is required to avoid hazard.

1.1.2 Warning Labels

■ Cautions for Handling

- (a) This pole pruner is provided with warning labels to indicate important cautions. Understand the meanings of the warning labels thoroughly to work in a safe environment.
- (b) Do not operate the pole pruner until you have a good understanding of the meanings of the warning labels. If you do not understand the meanings, contact your servicing dealer.
- (c) Be sure to observe the warning labels and warning messages in the instruction manual at all times while handling the pole pruner.
- (d) Do not remove or damage the warning labels. Also, do not clean the warning labels with solvent.
- (e) Do not paint the warning labels when repainting the pole pruner.
- (f) If the warning labels become illegible, damaged or removed, purchase new ones from your servicing dealer, and attach them in accordance with the "■ Warning Labels and Attached Locations".

■ Warning Labels and Attached Locations



1	Be sure to read the instruction manual and completely understand it before use.
2	Wear personal protective equipment for eyes, ears, and head during operation.
3	Wear protective shoes (sturdy boots with nonslip sole) during operation.
4	Wear gloves during operation.
5	Exhaust contains carbon monoxide, a clear, odorless gas that can injure or kill you. Only use in well ventilated locations.
6	Keep people and animals out of the area within a radius of 50 ft (15 m) from the pole pruner during operation. Do not operate within the area 33 ft (10 m) from the electric cable.

1.2 General Precautions

1.2.1 Overall Precautions

When handling the pole pruner, follow the precautions of the powerhead manual in addition to the following precautions.

A DANGER



Do not use the pole pruner for dead branches suspended in tree.

* Otherwise, falling branches could cause unexpected injury.

Do not use the pole pruner when tired, ill, or after consuming alcohol, drugs, or medication.

Use an approved saw chain.

* If unapproved saw chain is used, it could come off the guide bar, resulting in serious injury. For any questions, contact your servicing dealer.



Be sure to firmly tighten the knob bolt at the attachment connection before using the attachment.

* The attachment could come off, resulting in serious injury or death.

MARNING



Do not allow minors to operate the pole pruner.

Do not modify the pole pruner.

Do not install any unapproved powerhead and extension pipe to the attachment.

Do not remove the safety devices.

Do not touch the saw chain during operation.



If you lend or rent the pole pruner, be sure to provide the user with this manual and the powerhead instruction manual. Also, advise the user that he or she needs to have a good understanding of the content of both manuals before starting any work.

Wear heavy-duty gloves when handling the saw chain.

* Otherwise, hands or fingers could be severed by the saw chain.

Always shut off the engine and remove the pole pruner from the powerhead before handling the saw chain.

Note

Do not allow the saw chain to contact foreign objects such as soil and sand. It could cause premature
wear.

1.2.2 Precautions for Clothing

! WARNING



Wear a hard hat when using or transporting the pole pruner.

Wear appropriate personal protective equipment when using the pole pruner.

For details about protective clothing refer to "1.4 Protective Equipment".

Wear goggles meeting the requirements of ANSI Z87.1 when using the pole pruner.

Also use a face shield (or face screen) if possible.

* Failure to use goggles or face shield, could result in eye injury from flying debris.

Wear hearing protective equipment such as ear protections when using the pole pruner.

1.2.3 Precautions before Operation

! WARNING



Do not allow children or animals to enter the working range of the pole pruner within 50 ft (15 m).

Do not operate the pole pruner near electrical wires.

* Otherwise, you may suffer an electric shock.

Do not use if the saw chain is loosened.

* It could come off the guide bar, resulting in serious injury.



Make sure that the pole pruner is operated normally or there is not any part missing or damaged before starting the operation.

Before starting the operation or when hitting the pole pruner against something hard such as stones, make sure that the knob bolt of powerhead connections is not loosened.

* Otherwise, it could cause the attachment to fall off.

Make sure that the positioning knob is lowered to the locked position when installing the pole pruner. (Refer to page 21.)

* The attachment could come off.

Before use, always inspect the powerhead and attachment for any loose, damaged or missing parts.

* Anything loose, damaged, or missing could cause parts of the powerhead attachment to fall off or fail and seriously injure or kill the user.

Before using pole pruner, inspect the work area for any obstacles that cannot be removed so you can avoid contacting them when operating the pole pruner.

* Otherwise, you may trip on the obstacle or unintentionally hit it with the saw chain, potentially resulting in serious injury or death.

Note

• If the edge of the saw chain is blunt or damaged, do not operate the pole pruner. Otherwise, it could cause damage to the engine and machine due to overloading.

1.2.4 Precautions at Start of Operation

WARNING



The pole pruner must only be started and operated by one person.

* Operation by more than one person increases the likelihood of mishandling and resulting injury.

A CAUTION



Always start the pole pruner in an open, flat area with the saw chain off the ground.

* Otherwise, you risk injury from falling or hitting the saw chain on the ground or obstacles.

1.2.5 Precautions for Operation

A DANGER



Do not operate the pole pruner on insecure footings including a ladder, tree, back of the truck.

* You could fall off the footing, drop the pole pruner or contact the saw chain by inappropriately handling it, resulting in serious injury or death.



Use a vehicle designed for reaching high places.

In case of using a hoist, follow the rules and regulations to be observed, and use of an appropriate hoisting device.

* Otherwise, you could fall, drop the pole pruner or contact the saw chain by inappropriately handling it, resulting in injury.

MARNING



Do not operate the pole pruner using just one hand.

* You could drop the pole pruner or contact the saw chain by mishandling, potentially leading to serious injury or death.

If the saw chain starts moving while idling, do not use the pole pruner.

Do not use the tip of the guide bar for cutting.

* Otherwise, the pole pruner could kickback, potentially leading to serious injury.

WARNING



Exhaust contains carbon monoxide, a clear, odorless gas that can injure or kill you. Only use in well ventilated locations.

Always concentrate on your work when using the pole pruner.

If you need to do other work or talk to others, stop the engine first.

* Failure to properly concentrate could result in mishandling and resultant injury.

Always use the harness when operating the pole pruner.

* Failure to use the harness increases the likelihood of mishandling and resultant injury.

When cutting trees above head level, take a break as necessary.

* If you continue operating without taking a break, your arm gets tired and you cannot hold the pole pruner any more, which could cause you to drop the pole pruner, resulting in injury.

When pruning or cutting hedges or trees above eye level, frequently check the hedge or tree for obstacles.

* If the check is neglected, it could cause the pole pruner to contact a person, object, etc., resulting in injury.

A CAUTION



Do not touch hot surfaces such as the gear case during or immediately after the operation.

* Failure to observe the instruction could result in burns because the gear case could be very hot.



Check to see if there is an empty can, wire, small stone, band, etc. and remove them before starting the operation.

* Otherwise, it could cause injury due to scattered pieces of broken saw chain, etc.

Wear a dust mask when cutting many branches.

Use extreme caution when cutting small-sized brush and saplings.

* Slender material may catch the saw chain and be whipped toward you or force you off balance.

Note

• During the operation, make sure periodically that the chain oil is being discharged. Otherwise, the saw chain or guide bar could be damaged, or burn injury could be caused if you touch the guide bar which has become high in temperature.

1.2.6 Precautions for Maintenance

WARNING



Do not replace parts with inappropriate parts.

* Failure to observe the instruction could cause the product not to perform as intended and cause injury due to deterioration of safety.



Before performing maintenance, repair or cleaning, stop the engine and remove the attachment from the powerhead.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or saw chain, resulting in serious injury or death.

Note

- Do not perform any maintenance or repair other than those described in the instruction manual. Other maintenance or repairs should be performed by your servicing dealer.
- Use a specified grease (general purpose No. 2 lithium grease). Also referred to as NLGI Grade-2 Lithium Based Grease. Using the wrong grease can lead to damage or failure.
- If the tension on the saw chain is adjusted during the operation, loosen the saw chain after use. Otherwise, it could cause failure.
- Check if the tip of the saw chain is worn out. If it is worn out, the saw chain is blunt, reducing the working efficiency.
 - Also if an excessive load is applied, it could cause the engine or pole pruner to become damaged.
- Clean the gauge (groove) of the guide bar. If they are not cleaned, dust, wood sap, or chain oil becomes hardened, which causes the pole pruner to be unmovable for the next operation.

1.2.7 Precautions for Transporting

MARNING



Before transporting the pole pruner, stop the engine, and ensure the saw chain has stopped.

Install the transportation guard to the saw chain.

Note

- When transporting the pole pruner, install it to a harness or keep it balanced by holding the shaft tube.
- Before transporting the pole pruner on the back of the truck, etc., remove the attachment from the powerhead, install the transportation guard to the saw chain, and then secure it so it does not move.

1.2.8 Precautions for Storing

A CAUTION



When storing the attachment with the hook of the pipe cap attached to the pipe, etc., do not pull or swing the attachment.



When storing the pole pruner attachment, install the transportation guard on the saw chain and place it out of the reach of children.

1.2.9 Precautions for Handling Chain Oil

Note

- Check the chain oil before operating. During operation, make sure periodically that the chain oil is being discharged. Otherwise, the saw chain or guide bar could be damaged. Also, the guide bar could be hot, and if touched, you could suffer burn injury.
- Adjust the oil discharge amount according to the type of trees to be cut or type of the chain oil. If the
 oil discharge amount is not enough, the saw chain or guide bar could be damaged. In addition to the
 above, the guide bar could be hot, and if touched, you could suffer burn injury.
- Use bar and chain oil. If other oil is used, the lubricating performance could deteriorate, which could cause premature wear or damage to the saw chain or guide bar.

1.3 Safety Devices and Protective Guard

1.3.1 Safety Devices (Stop Devices)

To stop the pole pruner in case of an abnormality, use the stop device on the powerhead to stop the saw chain rotation.

Refer to the powerhead manual for details.

1.3.2 Safety Devices (Quick Release)

In case of an abnormality, the pole pruner can be released from the harness by using the quick release device.

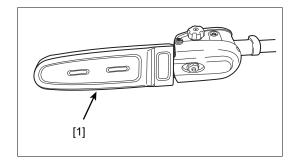
Refer to the powerhead manual for details.

1.3.3 Protective Guard

(A) Guard for transportation [1]

Attach the guard [1] to the saw chain for transporting or storing other than pruning or cutting to prevent an injury due to contact with the saw chain.

Refer to the figure on the right.



1.4 Protective Equipment

When using the pole pruner for pruning or cutting, it is recommended to wear the following protective equipment.

- (a) Hard hat
- (b) Working wear (long sleeve jackets and protective pants or chaps for operating chain saw)
- (c) Protective shoes (or sturdy boots with nonslip sole) (Steel-toed safety boots are recommended.)
- (d) Gloves (heavy-duty, nonslip gloves)
- (e) Goggles that meet the requirements of ANSI Z87.1.
- (f) Face shield (or face screen) (use together with goggles is recommended)
- (g) Ear protection

Note

- Do not wear any jewelry, neckties or scarves.
- Secure hair so it is above shoulder level.
- If the jackets or pants are loose, tighten the cuffs or hems.
- Do not wear short pants, sandals, or go barefoot.
- When cutting many branches, use a dust mask.

1.5 Noise

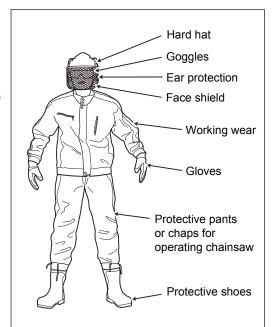
A person operating the pole pruner must use ear protection equipment.

However, take care when wearing the ear protection equipment. Your ability to hear shouts or alarms is restricted.

1.6 Vibration

Vibration generated by the pole pruner may cause vibration induced Hand-Arm Vibration Syndrome (HAVS). This will cause swelling pain or numbness of hands, and there is a risk of affecting the hand.

To prevent such problems, do not continuously operate for a long time. Instead, take an appropriate break.



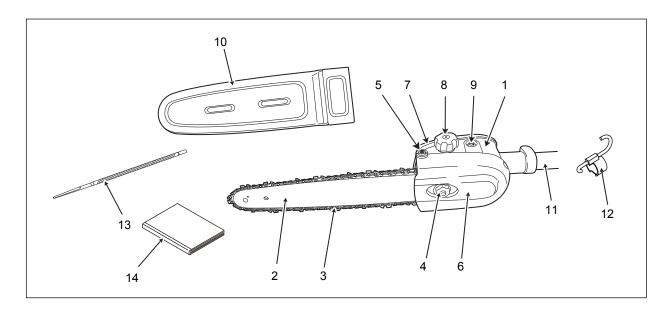
2. Outline

2.1 Name of Parts and Their Functions

The pole pruner is a device with the attachment installed to the powerhead (separately sold). The following is the structure of the attachment and name and function of each part.

Note

• There are two types of powerheads. For details about the powerhead, refer to the powerhead manual.

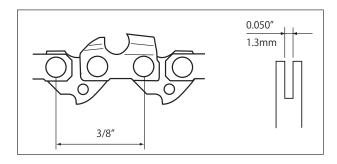


No.	Name	Description
1	Transmission case	Connected with the drive sprocket, it transmits the power from the drive shaft to the saw chain.
2	Guide bar	Guides the rotational motion of the drive shaft to the transmission case.
3	Saw chain	Rotates at high speed to cut trees or branches.
4	Guide bar nut	A nut to secure the guide bar
5	Tensioning bolt	A bolt to move the guide bar to apply tension to the saw chain.
6	Chain cover	A cover to protect the saw chain and drive sprocket
7	Chain oil tank	A tank for chain oil
8	Chain oil tank cap	Remove it to service the chain oil.
9	Chain oil adjustment screw	A screw to adjust the discharge amount of the chain oil. When turned counterclockwise, the discharge amount will increase.
10	Transportation guard	A part to protect the saw chain for transportation or storage
11	Shaft tube	This is a main frame with a drive shaft inside.
12	Tube cap	A part to prevent dust, etc. from entering the shaft tube during storage
13	Round file	Used for sharpening the saw chain. φ5/32 inches (4 mm)
14	Manual	This manual

2.2 Specification

■ Standard Specification

item	Specification		
Engine	Refer to your powerhead manual.		
Saw chain	JLA1-13-45 (a part packed together) Oregon: 91VXL-45E, 91PX-45E (for repair) Pitch: 3/8 inch Gauge: 0.050 inch. Links: 45		
Guide bar	12 inches		
Weight of Split Attachment	3.5 (1.6) lbs (kg) (excluding saw chain, guide bar, and transportation guard)		



2.3 Attached Material

The following are attached materials. For powerhead, refer to the powerhead manual.

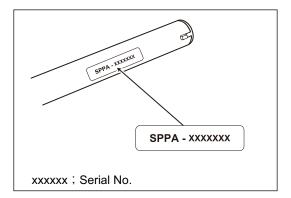
Instruction manual (this book)	Round file (5/32 inch)	Guide bar
Transportation guard	Saw chain	

2.4 Position of Model and Serial No.

Check the model code of your attachment on the nameplate attached to the machine shaft. Record serial No. (See "9. Servicing"). You will need this model code and serial No. when ordering parts, and when making technical or warranty inquiries.

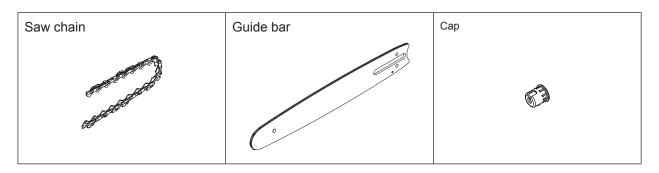
Note

The model code is 4 letters
 The model code is different from the model name.



2.5 Replaceable Items

The following are common replaceable items for this attachment. Contact your servicing dealer for replacement parts.



3. Installation

MARNING



Before installing or removing any attachment or part, stop the engine and, if attached, let the saw blade come to a complete stop.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or saw chain.

3.1 Installation and Removal of Saw Chain/Guide Bar

WARNING



Wear heavy-duty gloves when handling the saw chain.

* Otherwise, hands or fingers could be severed by the saw chain.

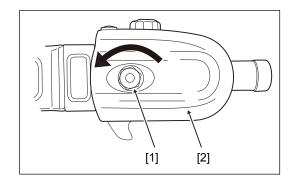
This work is required for installation after purchasing or maintenance.

3.1.1 Removal

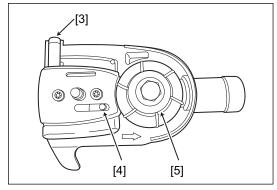
Install the transportation guard.

▶ Note

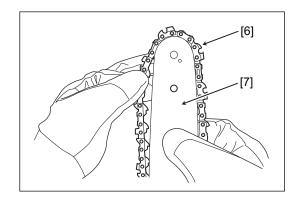
- When you purchase, the saw chain/guide bar is not assembled. Steps 1 and 5 are not necessary.
- 2 Turn the guide bar nut [1] counterclockwise to remove.
- 3 Remove the chain cover [2].



Turn the tensioning bolt [3] counterclockwise to move the tensioning pin [4] towards the drive sprocket [5].

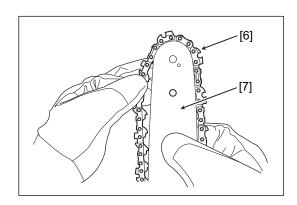


5 Remove the guide bar [7] and saw chain [6] from the transmission case.



3.1.2 Installation

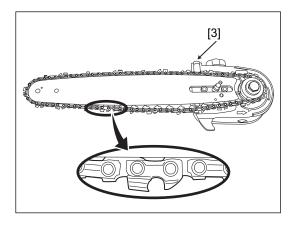
- Install the saw chain [6] to the guide bar [7].
- 2 Set the saw chain in the appropriate position, and install it with the tensioning hole and tensioning pin aligned, and then set the saw chain into the drive sprocket.



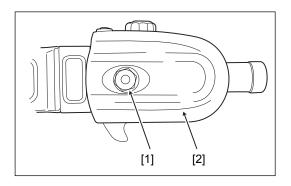
Turn the tensioning bolt [3] clockwise until the slack amount of the saw chain becomes 1/16 in (1.6 mm).

▶ Note

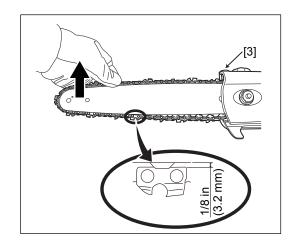
• Check that the saw chain is set in the gauge (groove) of the guide bar, and then apply tension to the saw chain.



Install the chain cover [2], and lightly tighten the guide bar nut [1].



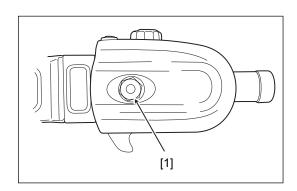
5 While lifting the guide bar upward, apply tension to the saw chain with the tensioning bolt [3] so that the slack amount in the center of the guide bar becomes 1/8 in (3.2 mm.)



While lifting the guide bar, tighten the guide bar nut [1] with a tool.

Note

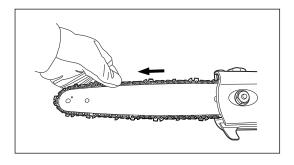
• Tightening torque: 13.5 to 16 Nm



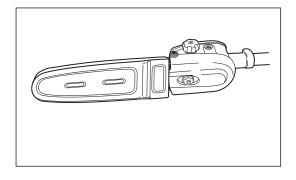
Make sure that the saw chain can be moved by hand easily.

Note

If it cannot be moved easily, repeat from step
 1.



8 Install the transportation guard.
(Refer to 1.3.3 Protective Guard.)



▶ Note

• Since a new saw chain will loosen faster than used one, frequently check the tension of the saw chain.

3.2 Installation Method

3.2.1 Combination with Powerhead

MARNING



Do not install any unapproved powerhead and extension pipe to the attachment.

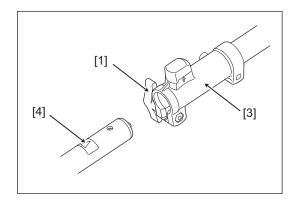
* The attachment could separate from the powerhead, causing severe injury.

The attachment can be installed only to our approved equipment (shown below).

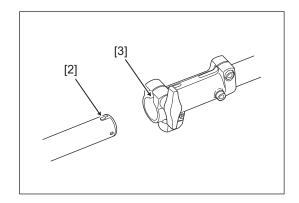
Manufacturer	Approved Powerheads		
Honda Motor Co., Ltd.	UMC425A		
Honda Motor Co., Ltd.	UMC435A		

3.2.2 Connecting

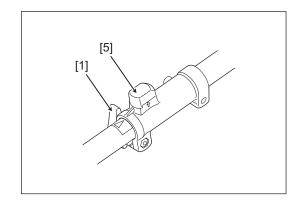
1 Loosen the knob bolt [1] of powerhead connections.



Align the boss (protrusion) [2] at the end of the pipe with the slit of the joint case [3], and insert it to the label [4] position.

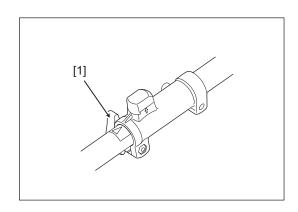


Make sure that the positioning knob
[5] is lowered to the locked position as
shown, and then tighten the knob bolt
[1] of the powerhead connections.

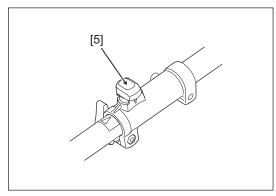


3.2.3 Removing

Loosen the knob bolt [1] of powerhead connections.

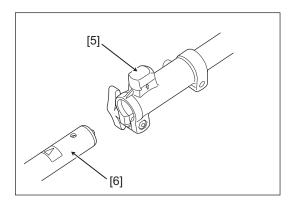


2 Lift the positioning knob [5], and turn it 90°, either clockwise or counterclockwise.



- 3 Pull out the shaft tube [6].

 If the shaft tube is hard to remove, hold it so that the attachment is parallel to the pipe of the powerhead, and then pull it out.
- Turn the positioning knob [5] until it comes to the center and locks in place. When the positioning knob [5] is returned to the center, it will be released downward.



4. Operation

4.1 Transporting Method

WARNING



When transporting the pole pruner, wear appropriate clothes and personal protective equipment.

* Otherwise, it could cause injury.

Before transporting the pole pruner, stop the engine, and ensure the saw chain has stopped.

Install the transportation guard to the saw chain.

Remove obstacles, and watch your step when transporting the pole pruner.

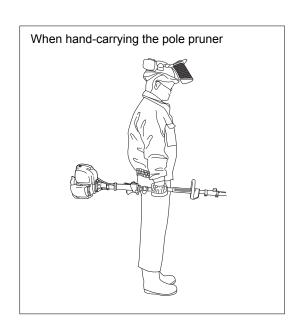
* If the footing is insecure, an injury due to tripping over or falling could happen.

Note

- When transporting the pole pruner, install it to a harness or keep it balanced by holding with the shaft tube
- Before transporting the pole pruner on the back of the truck, etc., remove the attachment from the powerhead, install the transportation guard to the saw chain, and then secure it so it does not move.
- Wear protective equipment. For detail about the protective equipment, refer to "1.4 Protective Equipment."
- Make sure that the engine is stopped and the saw chain is not moving.
- 3 Install the transportation guard.
- <When hand-carrying the pole pruner> Install it to the harness or use the shaft tube to maintain the balance.

<When transporting by truck, etc.>

- (1) Remove the attachment from the powerhead.
- (2) Put the pole pruner on the back of the truck, and secure it.



4.2 Pre-operation Check

⚠ WARNING



Make sure that the pole pruner is operated normally or there is not any part missing or damaged before starting the operation.

Before operating the pole pruner, check the following:

- (a) If any part is damaged or worn out, replace before using. Contact your service dealer for a replacement part.
 - Check to see if there is any looseness, cracks, bending, or distortion of parts (nuts, screws, etc.)
 - Check to see if the saw chain and guide bar are damaged.
 - Check to see if saw chain is appropriately sharpened.
 - Check the saw chain for tension applied.
 - Check to see if the chain oil is supplied.
 - Check to see if the knob bolt of powerhead connections is loosened.
- (b) Check to see if the pole pruner functions normally. If it is faulty, contact your servicing dealer for repair.
 - Check to see if the throttle trigger is operating freely (if it returns to the idling position).
 - Check to see if the start/stop switch functions normally.
- (c) Check the handle for dirt, etc. If it is dirty, wipe it off.
 - Check to see if it is kept clean (if there is oil or resin adhering.)
 - Be sure it's dry before using.
- (d) Check to see if chain oil is leaking.

If any chain oil leaking is found, contact your servicing dealer for repair.

If the fuel is spilled when supplying the oil, wipe off.

- (e) Check the idling status. If it is faulty, perform the steps described in the powerhead manual.
 - Check to see if the saw chain moves during idling.
 If it does, stop the engine and contact the servicing dealer for repair.
- (f) In addition to the above, perform the steps described in the powerhead manual.

4.3 Start and Stop

The pole pruner is operated by the powerhead. Refer to the powerhead manual.

4.3.1 Start

WARNING



The pole pruner must only be started and operated by one person.

* Operation by more than one person increases the likelihood of mishandling and resulting injury.

For starting the pole pruner, refer to the powerhead manual.

4.3.2 Stop

When the throttle trigger is released, the engine power will decrease, and the saw chain will come to a stop.

However, it will not stop immediately after the throttle trigger is released, but instead will continue to turn for a short while (flywheel effect).

Maintain proper control until the saw chain has come to a complete stop.

Refer to the powerhead manual for details.

4.4 Precautions for Operation

When operating the pole pruner, observe the following, as well as "1.2 General Precautions".

General

- The pole pruner is not insulated against electric shock. Keep a distance at least 33 ft (10 m) from the
 electric cable. Have a person qualified for electric work remove wires and cables. If there are still wires
 or cables not removable, do not operate the pole pruner.
- Do not cut any materials other than hedges or shrubs.
- Do not cut the thick trunk of a tree.
- If bystanders and pets are approached during operation, stop the operation immediately.
- There is still a risk of injury by thrown object even if bystanders keep a distance of 50 ft (15 m) or more. They should be encouraged to wear eye protection.
- Always stop the engine when leaving the pole pruner.

- Do not allow the saw chain to contact foreign objects such as soil and sand. Do not cut a root of a tree
 which soil or sand is attached.
- Divide working sections and perform cutting for each section.
- When cutting a limb that is under tension, be alert for spring back so that you will not be struck when the tension in the limb is released.
- Do not operate the pole pruner in a tree unless you have been specifically trained to do so.

■ Check the Pole Pruner

- Attach the chain cover when not using.
- Check periodically that the chain oil is discharged and that there is enough saw chain oil remaining.

■ Check the Work Area

- Take extreme care when operating in a slippery location/environment. Also watch out for rough ground, stumps, roots, ditches or holes which could cause you to trip or stumble. Do not use the pole pruner when it is raining.
- To prevent fire, do not use the pole pruner in a place where there are flammable liquids.
- Secure a firm footing with adequate space. Make sure that there are no obstacles in your way before starting operation.

■ In Emergency

- If the saw chain is caught in the thick branches or other obstacles during operation, stop the engine immediately.
- If there is any problem, such as abnormal noise or vibration, stop the operation immediately and check for the cause.
 - If anything abnormal is found, such as a blunt edge of the saw chain, etc., make sure that no part is damaged or missing. Even if the saw chain has superficial cracks instead of damage or wear, replace the saw chain.
- In case of an abnormality, the pole pruner can be released from the harness or shoulder harness by using the quick release.

4.5 Pruning Operation

⚠ WARNING



Do not allow children or animals to enter the working range of the pole pruner within 50 ft (15 m).



The pole pruner must only be started and operated by one person.

Operation by more than one person increases the likelihood of mishandling and resulting injury.

A CAUTION



Add chain oil before operating.

During the operation, make sure periodically that the chain oil is being discharged (Refer to page 32.)

* Otherwise, the saw chain or guide bar could be damaged. Also, the guide bar could be hot, and if you touched, you could suffer burn injury.

Work at a place where you will not be hit by falling branches.

Operate according to the operation method described in the instruction manual.

* You could get injured by the falling branches and bouncing back branches.

When using multiple pole pruners at the same time, each operator must be at least 50 ft (15 m) away from the others.

The following shows examples of use of the pole pruner.

■ Holding Method of Pole Pruner

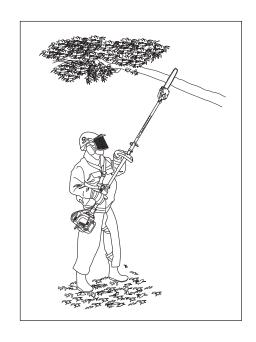
 Always hold the pole pruner with both hands during operation.

To prevent injury due to inappropriate operation, always support the pole pruner steady during operation by holding as follows.

Right hand: Control grip Left hand: Loop handle

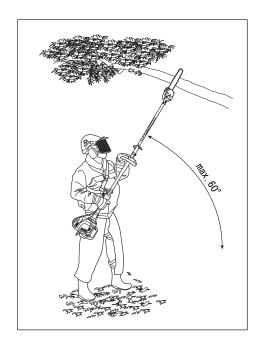
(This also applies to left-handers.)

- Always keep the machine away from your body.
- Do not over-reach during the operation. Your arm gets tired, losing control.
- Set the angle of the cutter bar so that the pole pruner can be held at the position at which an operator does not get tired easily. Use a harness.



■ Operating Method

- When starting the operation or during the operation, check periodically if the chain oil is discharged.
 - * Follow "5.1.4 Discharging Check and Adjustment of Bar and Chain Oil".
- Adjust the discharge amount of the chain oil.
 - * Follow "5.1.4 Discharging Check and Adjustment of Bar and Chain Oil".
- Put the pole pruner at right angle to the branch when cutting.
- Predict the drop position of branches to be cut, and operate where you are not hit by the falling branches.
- Hold the pole pruner so that the shaft tube is at 60° or less to the horizontal line.
- Cut the branch into an appropriate size from the tip towards the root of the branch.
- Pay attention to the branches which are fallen and bounced back from the ground.
- Do not use the tip of the guide bar for cutting.



4.6 Actions after Operation

After using the pole pruner, take the following actions.

■ Set the start/stop switch to OFF (O side) to stop the engine.

Note

- Make sure that saw chain operation has come to a complete stop, before setting the unit down.
- 2 Tighten all the screws except for nuts, bolts and screws for adjusting the Carburetor or saw chain.
- Store the pole pruner according to "6 Storing."

5. Maintenance

MARNING



Do not perform any maintenance or repair other than those described in the instruction manual.

Other maintenance or repairs should be performed by your servicing dealer.



Before performing maintenance, repair or cleaning, stop the engine and remove the attachment from the powerhead.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or saw chain, resulting in serious injury or death.

Wear heavy-duty gloves when handling the saw chain.

* Otherwise, hands or fingers could be severed by the saw chain.

Maintenance items for the attachment are described as follows.

For maintenance of the powerhead, refer to the powerhead manual.

■ Maintenance List

Item	Before operation	After operation	During operation or when refueling	Every 20 hours	As necessary	Remarks
Check and add bar and chain oil	0		0			Refer to 5.1.1.
Check and Sharpening of saw chain	0		0			Refer to 5.1.2.
Check and adjustment of saw chain tension	0		0			Refer to 5.1.3.
Discharging check and adjustment of bar and chain oil	0		0			Refer to 5.1.4.
Greasing for guide bar	0					Refer to 5.2.1.
Drive sprocket check	0					Refer to 5.2.2.
Cleaning and check of guide bar		0				Refer to 5.3.1.
Greasing for transmission case				0		Refer to 5.4.1.
Replacement of cap					0	Refer to 5.5.1.

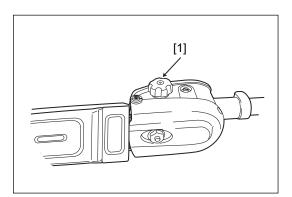
5.1 Before/During Operation or When Refueling

5.1.1 Check and Add Bar and Chain Oil

Wear condition or durability of the saw chain and guide bar highly depends on the quality of the chain oil. Be sure to use exclusive chain oil specifically designed for chain saw bar and chains such as "Oregon Bar and Chain Oil or equivalent".

▶ Note

- Contact your servicing dealer for the detailed information of the chain oil.
- Wipe off the foreign substances such as dust and chips around the chain oil tank cap [1].
- Remove the chain oil tank cap [1] and add oil to the edge of the filler opening.
- 3 Close the chain oil tank cap [1].



5.1.2 Check and Sharpening of Saw Chain

▶ Note

• Check if the tip of the saw chain is worn out. If it is worn out, the saw chain is blunt, reducing the working efficiency.

Also if an excessive load is applied, it could cause the engine or pole pruner to become damaged.

Check the following:

- Check if the edges of the upper blade or side blade of the cutter are not blunt.
- Check if the blade of the cutter is sharp.
- Check the saw chain cutters for missing, peeled, cracked or bent blades.

Note

- If you find any cracks, peeling, breaks or bending, replace the saw chain. (Refer to "3.1 Installation and Removal of Saw Chain/Guide Bar.")
- If the cutter blade is worn and not sharp, sharpen it.
- If the saw chain is blunt, periodically sharpen the saw chain.
 If there is no tool for sharpening, consult your servicing dealer.

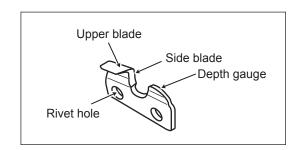
■ Sharpening the Cutter

Make sure that the saw chain is appropriately installed to the guide bar before sharpening.

(Refer to "3.1 Installation and Removal of Saw Chain/ Guide Bar.")

▶ Note

• Use a round file for sharpening (attached) of ϕ 5/32 in (4 mm.)

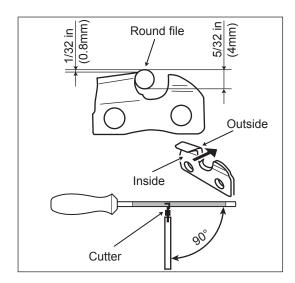


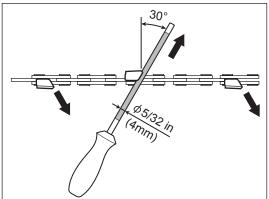
Follow the procedure below for sharpening.

Allow the round file to be protruded from the cutter upper face by 1/32 in diameter (0.8 mm), and put a file horizontally (at right angle to the side face of the guide bar), and file the cutter from the inside to outside.

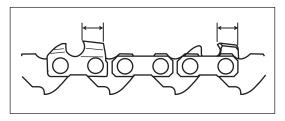
▶ Note

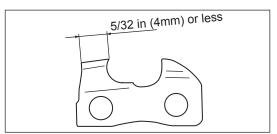
- Every other cutter is set in the opposite direction. Pay attention to the set direction.
- When sharpening the upper blade, the angle between the round file and the saw chain must be 30°.





- Lengths of all the cutters must be the same.
- When the length of the cutter becomes 5/32 in (4 mm) or less, replace it.





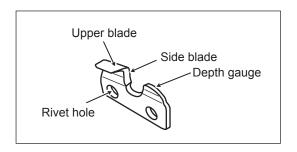
■ Depth Gauge Adjustment

Make sure that the saw chain is appropriately installed to the guide bar before adjustment.

(Refer to "3.1 Installation and Removal of Saw Chain/ Guide Bar.")

▶ Note

 It is recommended to use depth gauge tool (separately sold) for easy checking and adjustment of the height. Contact your servicing dealer for the model and operating method.

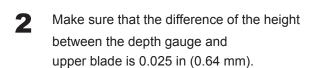


Follow the procedure below for adjustment.

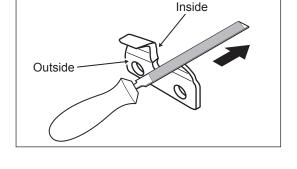
1 Grind the cutter with a plain file from the inner side of the cutter.

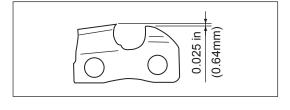
▶ Note

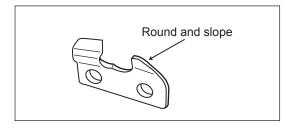
 Every other cutter is set in the opposite direction. Pay attention to the set direction.



After adjusting the height, file the tip of the depth gauge so that it is rounded and sloped.







5.1.3 Check and Adjustment of Saw Chain Tension

Make sure that the saw chain is slightly loose and it can be moved by hand easily. (Refer to "3.1 Installation and Removal of Saw Chain/Guide Bar.")

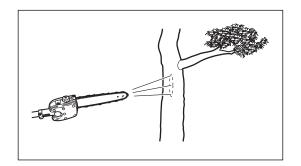
5.1.4 Discharging Check and Adjustment of Bar and Chain Oil

When starting the operation, check if the chain oil is discharged.

1 Direct the tip of the guide bar towards a tree or stub of light color while keeping a distance of 8 in (20 cm), and operate it with 3/4 throttle opened for approx. 1 min.

▶ Note

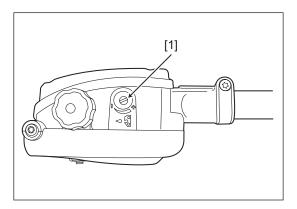
- If the surface of the tree or stub is colored with the oil, the chain oil is discharged.
- When cutting dry or hard trees or branches, the discharge amount of the chain oil must be increased.



2 Adjust the discharge amount of oil.

▶ Note

- When using biodegradable chain oil, the discharge amount must be a little more than the mineral chain oil. For the adjustment amount, contact your servicing dealer.
- (a)To increase the discharge amount of the chain oil, turn the chain oil adjustment screw [1] counterclockwise.
- (b)To decrease, turn the chain oil adjustment screw [1] clockwise.



After the adjustment, make sure that the chain oil is discharged before using.

▶ Note

- If the guide bar is adjusted, the consuming amount of the chain oil will increase.
 Then, frequently check the remaining amount of the chain oil in the tank during operation.
- Adjust the adjusting screws depending on the types of trees or branches. If you have any
 questions, contact your servicing dealer.

5.2 Before Operation

5.2.1 Greasing the Guide Bar

▶ Note

• Clean the gauge (groove) of the guide bar. If they are not cleaned, dust, wood sap, or chain oil becomes hardened, which causes the pole pruner to be unmovable for the next operation.

Sprocket nose type guide bar requires grease for the bearing at the tip of the sprocket.

Greasing the guide bar will reduce the problems of premature wear or excessive damage, maintaining the certain performance, resulting in extension of the service life.

- Remove the guide bar from the pole pruner.

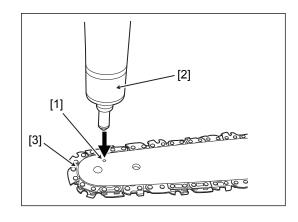
 Refer to "3.1 Installation and Removal of Saw Chain/Guide Bar."
- 2 Remove the chips, dust, etc. accumulated in the hole of the chain oil with a thin wire (paper clip).

▶ Note

- Do not push the chips, dust, etc. in the grease hole.
- 3 Supply lithium heat-resistant grease [2] into the grease fill opening [1].

▶ Note

- Use a grease gun designed to lubricate chain saw bars
- If appropriate amount of grease is applied to the guide bar, grease comes out a little from the groove [3] of the guide bar. After greasing, wipe off the excessive grease.



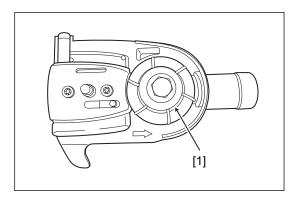
5.2.2 Drive Sprocket Check

- Remove the chain guide bar.

 Refer to "3.1 Installation and Removal of Saw Chain/Guide Bar."
- **2** Check the drive sprocket [1] if there is any looseness or abnormal wear.

Note

 If there is a problem, contact your servicing dealer.



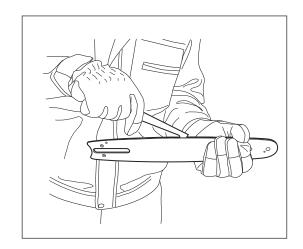
5.3 After Operation

5.3.1 Cleaning and Check of Guide Bar

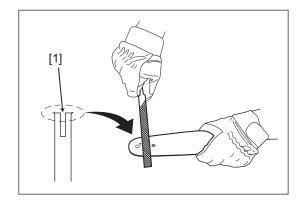
1 Remove the guide bar from the pole pruner.

Refer to "3.1 Installation and Removal of Saw Chain/Guide Bar."

2 Remove the chips , dust, etc. accumulated in the hole of the chain oil with a thin bar.



- Remove the chips, dust, etc.
 accumulated in the guide (groove) [1]
 of the guide bar with the bar cleaner
 (separately sold.)
- Check the side face of the guide bar for burrs, etc.



▶ Note

- If any, remove with a plain file (separately sold.)
- 5 Check the part near the nose or tail for any wear or damage and make sure that the nose sprocket rotates smoothly.

▶ Note

- If it is worn or excessively damaged, replace the guide bar.
- Periodically set the guide bar in the opposite vertical direction to reduce the wear amount of the part near the nose.

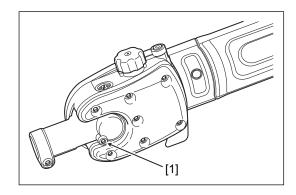
5.4 Every 20 hours

5.4.1 Greasing the Transmission Case

Apply grease from the grease nipple [1].

▶ Note

• Use lithium system grease #2 or NLGI Grade-2 Lithium Based Grease for greasing.

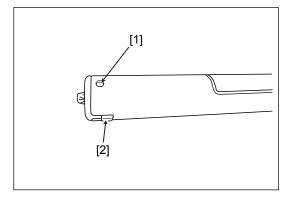


5.5 As Necessary

5.5.1 Replacement of Cap

- Push the hole [1] with a thin rod to pull out the cap.
- Align the boss (protrusion) of cap [2] with the pipe groove to insert the cap [2].

Make sure that the cap will not come off.



6. Storing

MARNING



Wear heavy-duty gloves when handling the saw chain.

* Otherwise, hands or fingers could be severed by the saw chain.

A CAUTION



When storing the attachment with the hook of the pipe cap attached to the pipe, etc., do not pull or swing the attachment.



When storing the pole pruner attachment, install the transportation guard on the saw chain and place it out of the reach of children.

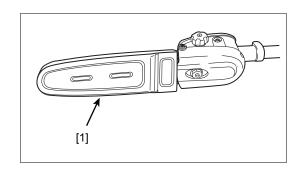
Note

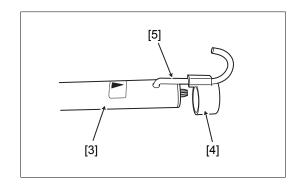
• Do not discard grease into the river, the sea, or the ground. Otherwise, it could pollute the environment.

After the work or when storing, follow the procedure below.

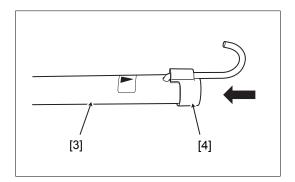
For directions after the powerhead operation is completed or storing method, refer to the powerhead manual.

- 1 Remove the attachment from the powerhead.
- Put on gloves.
- Check to see if the saw chain is damaged.
- Install the transportation guard [1].
- Insert the hanging hook [5] of the pipe cap [4] into the hole of the shaft tube [3].





6 Insert the pipe cap [4] into the shaft tube [3].



7 Remove the saw chain and guide bar, and then clean the guide bar. Wipe off the dirt with a cloth, etc.

Refer to "5.3.1 Cleaning and Check of Guide Bar" for details.

▶ Note

- Be sure to clean the saw chain and gauge of the guide bar.
 If they are not cleaned, dust, wood sap, or chain oil becomes hardened, which causes the pole pruner to be unmovable for the next operation.
- **R** Clean the attachment. Wipe off dust, etc. with a cloth, etc.
- **9** Drain the chain oil from the chain oil tank.
- **↑** Store the pole pruner in the following place.
 - (a) Locked place
 - (b) High place out of reach of children and other unauthorized person
 - (c) Dry and cool dark place

7. Waste Disposal

For disposal, observe the standards and regulations of your region. If there is any question, contact your servicing dealer.

8. Troubleshooting

In case of failure, follow the table below.

A DANGER



When troubleshooting, stop the engine and then remove the attachment from the powerhead.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or saw chain.

Situation	Possible Cause	Correction
Output is not enough.	Throttle cable adjustment is faulty.	Refer to the powerhead manual.
	Engine concern.	Refer to the powerhead manual.
	Saw chain is worn.	Adjust by referring to 5.1.2.
Vibration is too	Poor balance of attachment	Contact your servicing dealer.
large.	Improper-installation of attachment	Check the installed status. Tighten attach nut.
	Looseness of connection of attachment	Contact your servicing dealer.
	Saw chain is worn or the tension applied is not appropriate.	Adjust by referring to 3.1.1 and 5.1.2.
	Shaft tube is bent.	Contact your servicing dealer.
Blade is blunt.	Saw chain is worn.	Adjust by referring to 5.1.2.
Saw chain does not move even if	Powerhead is insufficiently inserted into the joint case.	Connect again by referring to 3.2.2.
the engine speed	Shaft tube is broken.	Contact your servicing dealer.
is increased.	Failure inside the clutch housing of the powerhead	Contact your servicing dealer.
	Gear is worn.	Contact your servicing dealer.
	Bar sprocket is stuck.	Apply grease by referring to 5.2.1. (This is a common chain saw problem.)
	Debris is stuck between chain and guide bar.	Remove debris by referring to 5.3.1.
The pole pruner does not stop.	Engine concern.	Refer to the powerhead manual.

9. Servicing

For repair, handling method or cleaning, contact your servicing dealer.

■ When Requesting Repair

If there is any problem, try finding the cause and take measures according to "8. Troubleshooting". If it does not solve the trouble, contact your servicing dealer.

■ Contact for Repair

Contact your servicing dealer for repair.

Record serial No. (See "2.4 Position of Model and Serial No.") in the space below. You will need this model code and serial No. when ordering parts, and when making technical or warranty inquiries.

Required information		
Name of product	Pole pruner attachment	
Model code & Serial No.	SPPA -	
Purchased date		
Purchased from		

10. Technical data

Model			SSPP		
Powerhead			UMC425A	UMC435A	
		Handle	LOOP	LOOP	
	Mass (without cutting attachment , guard and powerhead)	lbs (kg)	3.5 (1.6)		
a)	Length (without cutting attachment , guard and powerhead)	in (mm)	30.9 (785)		
	Dimensions (L x W x H)	in (mm)	30.9 x 3.3 x 5.5 (785 x 85 x 140)		
	Bar Length	in (mm)	12 (305)		
	Shaft Length	in (mm)	25 (635)	
b)	Chain Type		Oregon 91 Series 3/8" pitch x 0.050" gauge x 45 links Sharpening file: Round 5/32 inch		

How to Contact Honda

Honda Power Equipment dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer does not solve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office. You can write:

American Honda Motor Co., Inc. Power Equipment Division Customer Relations Office 4900 Marconi Drive Alpharetta, GA 30005-8847

Or telephone: (770) 497-6400 M-F, 8:30 a.m. - 7:00 p.m. ET

When you write or call, please give us this information:

- Model and serial numbers
- Name of the dealer who sold the product to you
- · Name and address of the dealer who services your product
- · Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem



Distributor's Limited Warranty

NIKKARI ATTACHMENTS

This warranty is limited to the following Nikkari products when distributed by American Honda Motor Co., Inc., Power Equipment Division, 4900 Marconi Drive, Alpharetta, Georgia 30005.

PRODUCTS COVERED BY THIS WARRANTY:	LENGTH OF WARRANTY: (FROM DATE OF ORIGINAL RETAIL PURCHASE)	
	PRIVATE RESIDENTIAL ⁽¹⁾	COMMERCIAL/RENTAL/INSTITUTIONAL
Hand-Held Attachments		
SSST trimmer	36 months	24 months
SSBL blower		
SSCL cultivator		
SSET edger		
SSHH hedge trimmer		
SSPP pole pruner		

⁽¹⁾ Private residential: Used in maintaining owner's primary and/or secondary residence. Any other use, including but not limited to informal "for hire" use, is considered commercial/rental/institutional use.

To Qualify for This Warranty:

The product must be purchased in the United States, Puerto Rico, or the U.S. Virgin Islands from American Honda or a dealer authorized by American Honda to sell those attachments. This warranty applies to first retail purchaser and each subsequent owner during the applicable warranty time period,

What American Honda Will Repair or Replace Under Warranty:

American Honda will repair or replace, at its option, any part that is proven to be defective in material or workmanship under normal use during the applicable warranty time period. Warranty repairs and replacements will be made without charge for parts or labor. Anything replaced under warranty becomes the property of American Honda Motor Company, Inc. All parts replaced under warranty will be considered as part of the original product, and any warranty on those parts will expire coincident with the original product warranty.

To Obtain Warranty Service:

You must, at your expense, take the Nikkari attachment and proof of purchase to any Honda Power Equipment dealer in the United States, Puerto Rico, or the U.S. Virgin Islands who is authorized to sell and/or service that product, during the dealer's normal business hours. To locate a dealer near you, visit our web site at http://PowerEquipment.Honda.com and click on Find a Dealer.

If you are unable to obtain warranty service or are dissatisfied with the warranty service you receive, contact the owner of the dealership involved; normally this will resolve the problem. However, if you should require further assistance, write or call the Power Equipment Customer Relations Department of American Honda Motor Co., Inc. at the following address:

American Honda Motor Co., Inc. Power Equipment Customer Relations Dept 4900 Marconi Drive Alpharetta, GA 30005-8847 Telephone: (770) 497-6400

Exclusions:

- Any damage or deterioration resulting from the following:
 - Neglect of the periodic maintenance as specified in the product owner's manual
 - Improper repair or maintenance
 - Operating methods other than those indicated in the product owner's manual

 - A low fluid level or the use of fluids other than specified by Nikkari.
 Exposure of the product to soot and smoke, bird droppings, sea water, salt, rain, corrosive chemical agents, or extreme weather conditions
 - Collision, fuel contamination or deterioration, neglect, unauthorized alteration, misuse, incorporation or use of unsuitable attachments or parts
 - Normal wear and tear (including, but not limited to, normal fading of painted or plated surfaces, sheet peeling, and other natural deterioration)
- Consumable parts: Honda does not warrant parts deterioration due to normal wear and tear. The following parts are not covered by this warranty unless they are needed during another repair covered under this warranty: spark plug, fuel filter, air cleaner element, clutch disc, tire, wheel
- bearing, recoil starter rope, cable, belt, cutter blade, oil, and grease. Cleaning, adjustment, and normal periodic maintenance work (blade sharpening, belt and cable adjustments).
- Any product that has ever been declared a total loss or sold for salvage by a financial institution or insurer. This exclusion does not apply to any recalls
- Tiller tines of roto-tillers are specifically not warranted against impact damage including, but not limited to, abrasive damage.

Disclaimer of Consequential Damage and Limitation of Implied Warranties:

American Honda disclaims any responsibility for loss of time or use of the product, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written limited warranty. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, therefore the above exclusions and limitations 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.

> American Honda Motor Co., Inc. July 2015

PRODUCT REGISTRATION

Thank you for choosing Honda. To ensure you receive important service information in the event of a product update or recall, please register your pole pruner within 30 days of purchase.

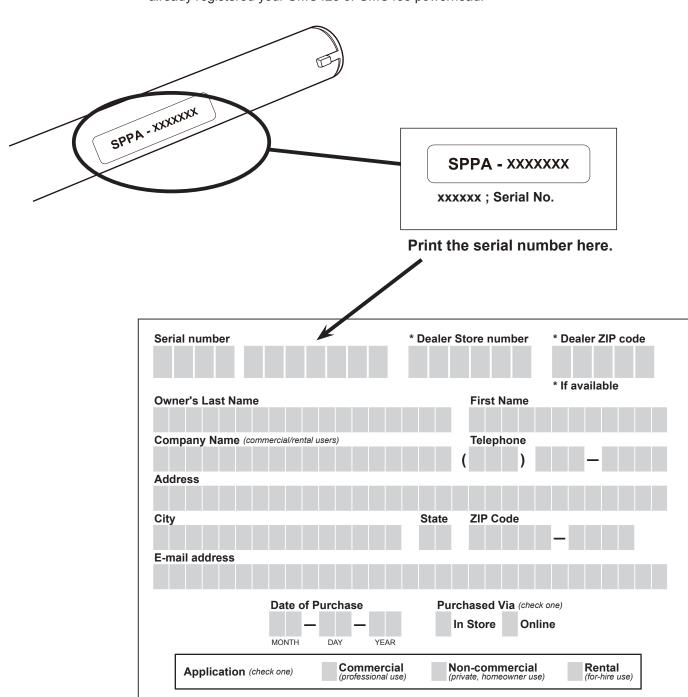
From time to time, American Honda conducts sales promotion that require you to register your pole pruner within 30 days of purchase. If you purchased your Honda pole pruner during one of these promotions, you must register your pole pruner within 30 days.

Your information will remain confidential. It will not be released to any other company or organization.

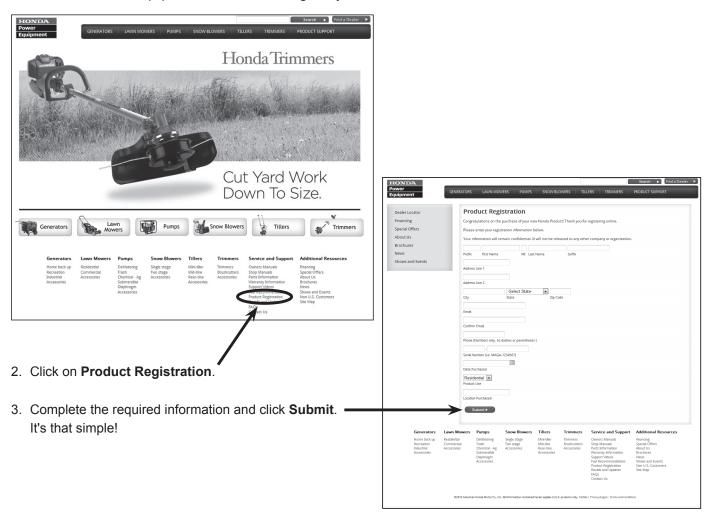
Failure to register your pole pruner does not diminish your warranty rights.

Please complete and mail the postage paid card or register online at http://powerequipment.honda.com

Please register your pole pruner attachment, even if you've already registered your UMC425 or UMC435 powerhead.



1. Go to www.PowerEquipment.Honda.com to register your unit.





Power Equipment Division American Honda Motor Co. Inc. 4900 Marconi Dr Alpharetta GA 30005-9956