

# shindaiwa®

## 66002

# Multi-Tool Pole Pruner Attachment

FOR MODELS: M262, M235

ENGLISH

## *Operator's Manual*

### **WARNING**



***Users of this equipment risk injury to themselves and others if the unit is used improperly and/or safety precautions are not followed. ECHO provides an operator's manual. It must be read and understood for proper and safe operation. Failure to do so could result in serious injury.***

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.

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## INTRODUCTION

Welcome to the SHINDAIWA family. This SHINDAIWA product was designed and manufactured to provide long life and on-the-job dependability. Read and understand this manual. You will find it easy to use and full of helpful operating tips and SAFETY messages.

### The Operator's Manual

Keep it in a safe place for future reference. Contains specifications and information for safety, operation, maintenance, storage and assembly specific to this product.

## SERVICING INFORMATION

### Parts/Serial Number

Genuine SHINDAIWA Parts and Assemblies for your SHINDAIWA products are available only from an Authorized SHINDAIWA Dealer. When you do need to buy parts **always** have the Model Number and Serial Number of the unit with you. You can find these numbers on the engine housing. For future reference, write them in the space provided below.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

### Service

Service of this product during the warranty period must be performed by an Authorized SHINDAIWA Service Dealer. For the name and address of the Authorized SHINDAIWA Service Dealer nearest you, ask your retailer or call: 1-877-986-7783. Dealer information is also available on [WWW.SHINDAIWA-USA.COM](http://WWW.SHINDAIWA-USA.COM). When presenting your unit for Warranty service/repairs, proof of purchase is required.



## Consumer Product Support

If you require assistance or have questions concerning the application, operation or maintenance of this product you may call the SHINDAIWA Consumer Product Support Department at 1-877-986-7783 from 8:00 am to 5:00 pm (Central Standard Time) Monday through Friday. Before calling, please know the model and serial number of your unit.

## Product Registration

To ensure trouble free warranty coverage it is important that you register your SHINDAIWA equipment on-line at [WWW.SHINDAIWA-USA.COM](http://WWW.SHINDAIWA-USA.COM) or by filling out the product registration sheet included in this manual. Registering your product confirms your warranty coverage and provides a direct link between you and ECHO if we find it necessary to contact you.

## Additional or Replacement Manuals

**Replacement Operator and Parts Catalogs** are available from your SHINDAIWA dealer or at [WWW.SHINDAIWA-USA.COM](http://WWW.SHINDAIWA-USA.COM) or by contacting the Consumer Product Support Department (1-877-986-7783). Always check [WWW.SHINDAIWA-USA.COM](http://WWW.SHINDAIWA-USA.COM) for updated information.

## SAFETY

### Manual Safety Symbols and Important Information

Throughout this manual and on the product itself, you will find safety alerts and helpful, informational messages preceded by symbols or key words. The following is an explanation of those symbols and key words and what they mean to you.

#### **DANGER**

*The safety alert symbol accompanied by the word “DANGER” calls attention to an act or condition which WILL lead to serious personal injury or death if not avoided.*

#### **WARNING**

*The safety alert symbol accompanied by the word “WARNING” calls attention to an act or condition which CAN lead to serious personal injury or death if not avoided.*

## CAUTION

*The safety alert symbol accompanied by the word “CAUTION” calls attention to an act or condition which may lead to minor or moderate personal injury if not avoided.*

## NOTICE

*The enclosed message provides information necessary for the protection of the unit.*











Note: This enclosed message provides tips for use, care and maintenance of the unit.









### CIRCLE AND SLASH SYMBOL

This symbol means the specific action shown is prohibited. Ignoring these prohibitions can result in serious or fatal injury.

## International Symbols

Symbol	Description	Symbol	Description
	Warning, See Operator's Manual		Safety / Alert
	Wear Eye, Ear and Head Protection		Finger Severing
	Wear Hand and Foot Protection		Rotating Cutting Attachment
	Wear Face Shield		Wear Slip Resistant Footwear
	Keep Feet Away From Blade		Do not operate closer than 15 m (50 ft.) from electrical hazards. Keep bystanders at least 15 m (50 ft.) away.

Symbol	Description	Symbol	Description
	DO NOT USE BLADES - Line Head Only		Thrown Objects
	Plan retreat path from falling objects.		Hot Surface
		AVOID KICKOUT Keep Bystanders At Least 15 m (50 ft.) Away	
		Beware Thrown Objects Wear Eye Protection	
		Keep Bystanders and Helpers Away 15 m (50 ft.)	

## Personal Condition and Safety Equipment

### WARNING

***Users of this product risk injury to themselves and others if the unit is used improperly and/or safety precautions are not followed. Proper clothing and safety gear must be worn when operating unit.***

### Physical Condition

Your judgment and physical dexterity may not be good:

- If you are tired or sick
- If you are taking medication
- If you have taken alcohol or drugs

Operate unit only if you are physically and mentally well.

## Eye Protection

### **WARNING**

- ◆ **Eye protection that meets ANSI Z87.1 or CE requirements must be worn whenever you operate the unit.**
- ◆ **For additional safety, a full-face shield may be worn over safety glasses or goggles to provide protection from sharp branches or flying debris.**

## Hand Protection

Wear sturdy, no-slip, rubber work gloves to improve your grip on the handles. Gloves also provide protection against cuts and scratches, cold environments, and reduce the transmission of machine vibration to your hands.

## Hearing/Ear Protection

ECHO recommends wearing hearing protection whenever unit is used.

## Breathing Protection

Operators who are sensitive to dust or other common airborne allergens may need to wear a dust mask to prevent inhaling these materials while operating unit. Dust masks can provide protection against dust, plant debris, and other plant matter such as pollen. Make sure the mask does not impair your vision, and replace the mask as needed to prevent air restrictions.

## Proper Clothing

Wear snug-fitting, durable clothing:

- Pants should have long legs, shirts should have long sleeves.
- **DO NOT WEAR SHORTS.**
- **DO NOT WEAR TIES, SCARVES, JEWELRY, or clothing with loose or hanging items that could become entangled in moving parts or surrounding growth.**
- Keep clothing buttoned or zipped, and keep shirt tails tucked in.

Wear sturdy work shoes with nonskid rubber soles:

- **DO NOT WEAR OPEN TOED SHOES.**
- **DO NOT OPERATE UNIT BAREFOOTED.**

Keep long hair away from engine and air intake. Retain hair with cap or net.

Heavy protective clothing can increase operator fatigue, which may lead to heat stroke. Schedule heavy work for early morning or late afternoon hours when temperatures are cooler.

## WARNING

***The components of this machine generate an electromagnetic field during operation, which may interfere with some pacemakers. To reduce the risk of serious or fatal injury, persons with pacemakers should consult with their physician and the pacemaker manufacturer before operating this machine. In the absence of such information, ECHO does not recommend the use of this machine by anyone who has a pacemaker.***

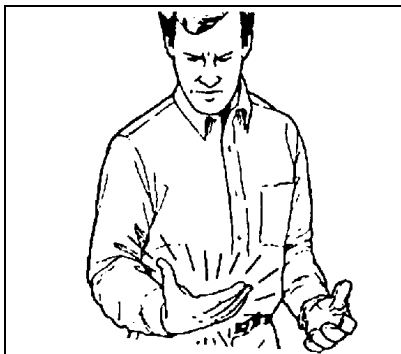
### Extended Operation / Extreme Conditions

## CAUTION

***Prolonged exposure to cold and/or vibration may result in injury. Read and follow all safety and operation instructions to minimize risk of injury. Failure to follow instructions may result in painful wrist/hand/arm injuries.***

It is believed that a condition called Raynaud's Phenomenon, which affects the fingers of certain individuals, may be brought about by exposure to vibration and cold. Exposure to vibration and cold may cause tingling and burning sensations, followed by loss of color and numbness in the fingers. The following precautions are strongly recommended, because the minimum exposure, which might trigger the ailment, is unknown.

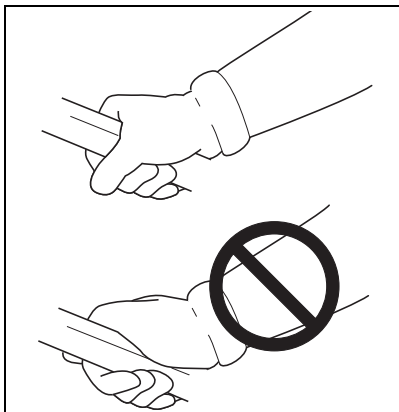
- Keep your body warm, especially the head, neck, feet, ankles, hands, and wrists.
- Maintain good blood circulation by performing vigorous arm exercises during frequent work breaks, and also by not smoking.
- Limit the hours of operation. Try to fill each day with jobs where operating the unit or other hand-held power equipment is not required.



- If you experience discomfort, redness, and swelling of the fingers followed by whitening and loss of feeling, consult your physician before further exposing yourself to cold and vibration.

### Repetitive Stress Injuries (RSI)

It is believed that overusing the muscles and tendons of the fingers, hands, arms, and shoulders may cause soreness, swelling, numbness, weakness, and extreme pain in those areas. Certain repetitive hand activities may put you at a high risk for developing a Repetitive Stress Injury (RSI). An extreme RSI condition is Carpal Tunnel Syndrome (CTS), which could occur when your wrist swells and squeezes a vital nerve that runs through the area. Some believe that prolonged exposure to vibration may contribute to CTS. CTS can cause severe pain for months or even years.



To reduce the risk of RSI/CTS, do the following:

- Avoid using your wrist in a bent, extended, or twisted position. Instead try to maintain a straight wrist position. Also, when grasping, use your whole hand, not just the thumb and index finger.
- Take periodic breaks to minimize repetition and rest your hands.
- Reduce the speed and force with which you do the repetitive movement.
- Do exercises to strengthen the hand and arm muscles.
- Immediately stop using all power equipment and consult a doctor if you feel tingling, numbness, or pain in the fingers, hands, wrists, or arms. The sooner RSI/CTS is diagnosed, the more likely permanent nerve and muscle damage can be prevented.

## DANGER

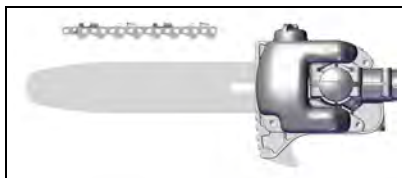
***All over head electrical conductors and communications wires can have electricity flow with high voltages. This unit is not insulated against electrical current. Never touch wires directly or indirectly, otherwise serious injury or death may result.***

**! DANGER**

***Do not operate this product indoors or in inadequately ventilated areas. Engine exhaust contains poisonous emissions and can cause serious injury or death.***

**Guide Bar and Saw Chain****! DANGER**

- ◆ ***Serious injury may result from the use of non approved guide bar and saw chain combinations. Read and comply with all safety instructions listed in this manual.***
- ◆ ***ECHO, INC. will not be responsible for the failure of cutting devices or accessories which have not been tested and approved by SHINDAIWA for use with this unit.***
- Never adjust the guide bar or saw chain when the engine is operating.
- Check that the cutting attachment, guide bar and saw chain is firmly attached and in safe operating condition.
- Only use SHINDAIWA approved guide bar and saw chain.
- Do not hit rocks, stones, tree stumps and other foreign objects with the saw chain.
- Do not cut into the ground with the saw chain.
- If saw chain strikes an obstruction, stop engine immediately and inspect saw chain for damage.
- Do not operate with a dull, broken or discolored saw chain.
- Remove all foreign objects from work area.
- Always cover the guide bar and saw chain with guide bar cover during transportation and in storage.

**Read the Manuals**

- Provide all users of this equipment with the Operator's Manual and Safety Manual for instructions on Safe Operation.

### Clear the Work Area

- Spectators and fellow workers must be warned, and children and animals prevented from coming nearer than 15 m (50 ft.) while the unit is in use.

### Use Proper Clothing & Equipment

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

### Keep a Firm Grip

- Always hold throttle handle and support handle with thumbs and fingers tightly encircling the handles.

### Keep a Solid Stance

- Maintain footing and balance at all times. Do not stand on slippery, uneven or unstable surfaces. Do not work in odd positions or on ladders. Do not over reach.

### Avoid Hot Surfaces

- During operation, the drive shaft housing and attachment bearing housing may become very hot, too hot to touch. Avoid contact during and immediately after operation.

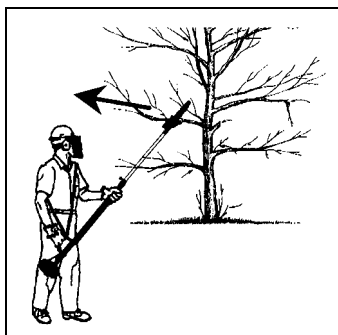


### Kickback

## WARNING

***Kickback can lead to dangerous loss of control of the Power Pruner and result in serious injury to the operator or any one standing close by. Hold the Power Pruner firmly with both hands with thumbs and fingers encircling the front and rear handles. Be aware of the down and outward path the pruner will take after the cut is made.***

Kickback may occur when the moving saw chain at the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. In some cases this may cause a lightning-fast reverse action, kicking the guide bar and saw chain up and back or down and back towards the operator. Either of these reactions may cause the operator to lose control of the Power Pruner which could result in serious personal injury.



With a basic understanding of kickback, you can reduce or eliminate the element of surprise which contributes to accidents.

Avoid contact of the guide bar tip with any object while the saw chain is moving.

Cut only wood. Avoid striking concrete, metal, wire, or other obstructions which could cause kickback or damage to the saw chain.

If the saw chain does strike a foreign object, immediately stop the engine, inspect and repair the Power Pruner if necessary.

## Equipment

### **WARNING**

***Use this attachment with SHINDAIWA approved models only. Serious injury may result from the use of this attachment combined with a non approved SHINDAIWA product.***

- Check unit for loose/missing nuts, bolts, and screws. Tighten and/or replace as needed.

### Guide Bar and Saw Chain

- Check that the cutting attachment, guide bar, and saw chain is firmly attached and in safe operating condition.
- Use only one Echo extension on the pruner.
- Do not hit rocks, stones, tree stumps, and other foreign objects with the saw chain.
- Do not cut into the ground with the saw chain.

- If cutting attachment end strikes an obstruction, stop engine immediately and inspect saw chain for damage.
- Do not operate with a dull, fractured, or discolored saw chain.
- Remove all foreign objects from work area.
- Always cover the guide bar and saw chain with guide bar cover during transportation and for storage.

Note: ECHO, INC. will not be responsible for the failure of cutting devices, attachments or accessories which have not been tested and approved by SHINDAIWA.

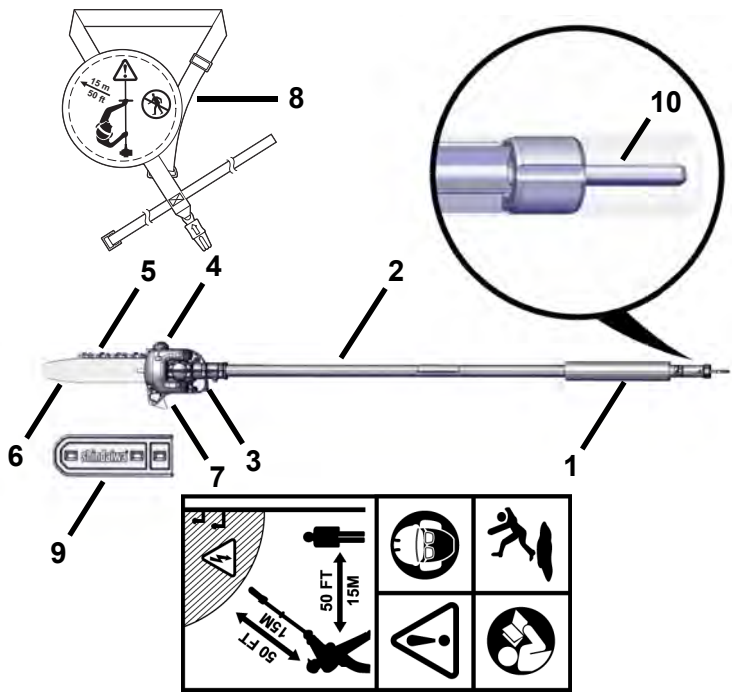
## WARNING

***Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings.***

- ◆ ***ALWAYS stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit.***
- ◆ ***DO NOT start or operate unit unless all guards and protective covers are properly assembled to unit.***
- ◆ ***NEVER reach into any opening while the engine is running. Moving parts may not be visible through openings.***

## DESCRIPTION

Locate the safety decal(s) on your unit. Make sure the decal(s) is legible and that you understand and follow the instructions on it. If a decal cannot be read, a new one can be ordered from your SHINDAIWA dealer. Safety label is for example only. Your label may appear slightly different.



- 1. Support Handle - For Left Hand
- 2. Lower Drive Shaft Assembly
- 3. Cutting Attachment
- 4. Automatic Oiler Assembly
- 5. Saw Chain
- 6. Guide Bar
- 7. Cutting Shoe
- 8. Shoulder Harness
- 9. Guide Bar Cover
- 10. Flexible Drive Cable

## CONTENTS

The SHINDAIWA product you purchased has been factory pre-assembled for your convenience. Due to packaging restrictions, some assembly may be necessary.

After opening the carton, check for damage. Immediately notify your retailer or SHINDAIWA Dealer of damaged or missing parts. Use the contents list to check for missing parts.

- 1 Multi-Tool Pole Pruner Attachment
- 1 Guide Bar Cover
- 1 Storage Hook
- 1 Shoulder Harness
- 1 Operator's Manual
- 1 Warranty Sheet
- 1 T-Wrench

## ASSEMBLY

### Power Head Shaft to Lower Shaft Assembly



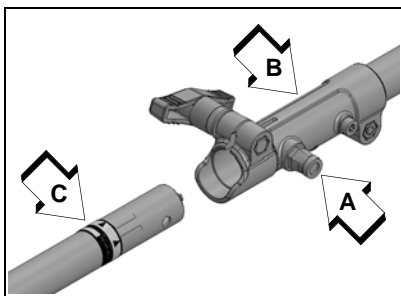
***Do not perform maintenance or assembly procedures with engine running.***

Parts Required: Multi-Tool Power Head Shaft and Coupling

1. Set Power Head/Shaft Assembly on a level surface.
2. Pull locator pin (A) out, and turn counter-clockwise ¼ turn to lock-out position.
3. Remove vinyl cap from attachment drive shaft.
4. Remove cardboard spacer, if necessary.

Note: Your coupler may appear different than coupler shown.

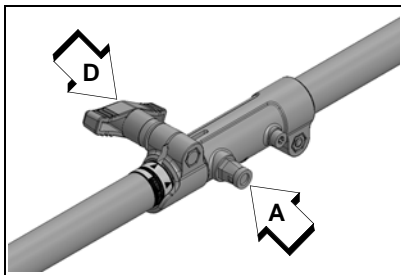
5. Carefully fit attachment drive shaft assembly into coupler (B) to decal assembly line (C), making sure that the inner lower drive shaft engages the square upper drive shaft socket.



Note: Earlier model power heads may have shorter couplings.

Note: Lower bearing housing and head assembly must be in line with the engine.

6. Rotate locator pin (A) ¼ turn clockwise to engage lower shaft hole. Insure locator pin is fully engaged by twisting lower drive shaft. Locator pin should snap flush in coupler. Full engagement will prevent further shaft rotation.

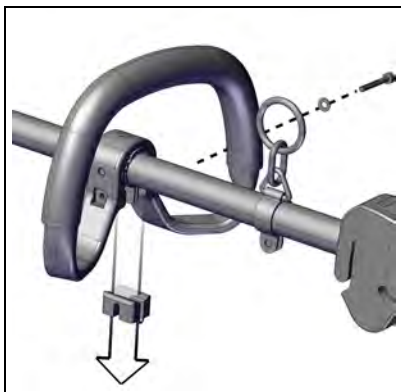


7. Secure lower shaft assembly to coupler by tightening clamping knob (D).

## Support Handle Removal

Note: Support handles or support handles with barrier bars are not recommended for use with this attachment.

1. Remove support handle assembly, barrier bar (if installed), and mounting hardware from the Multi-Tool power head.
2. Retain parts for future use.

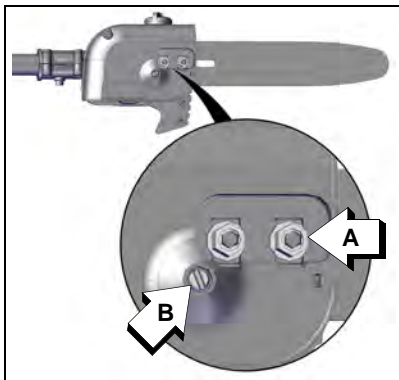


## Saw Chain Adjustment

### WARNING

***Always disconnect spark plug wire before servicing cutting attachment. Wear gloves when handling saw chain, otherwise serious personal injury may result.***

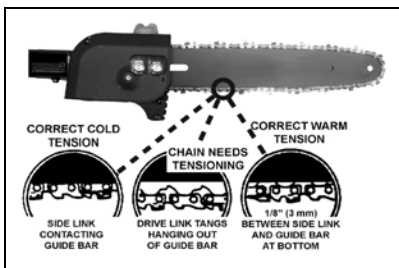
1. Move stop switch to STOP position.
2. Disconnect spark plug lead.
3. Loosen two guide bar nuts (A) until finger tight.



### NOTICE

***Always loosen guide bar nuts before turning the chain tension adjuster, otherwise the clutch cover and tensioner will be damaged.***

4. Hold the bar nose up, and turn the adjuster screw (B) clockwise until the chain fits snugly against the underside of the bar, as shown. Cold Chain Only - turn adjuster screw CW an additional 1/8 - 1/4 turn.
5. Tighten both guide bar nuts with nose held up. Tighten rear nut first.
6. Pull the chain around the guide bar by hand. Reduce the chain tension if you feel tight spots.
7. When chain is properly tensioned, tighten guide bar nuts securely.



### NOTICE

***Tighten guide bar nuts to 8 - 9 N•m (71 - 80 in. lbs.). DO NOT over-tighten nuts or damage may result.***

8. Keep chain properly tensioned at all times.  
Note: All chains require frequent adjustment.
9. Connect spark plug lead.

## OPERATION

### WARNING

***Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings. Always stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit. Allow unit to cool before performing service.***

Note: Refer to your Multi-Tool power source Operator's Manuals for correct engine fueling, starting and stopping instructions.

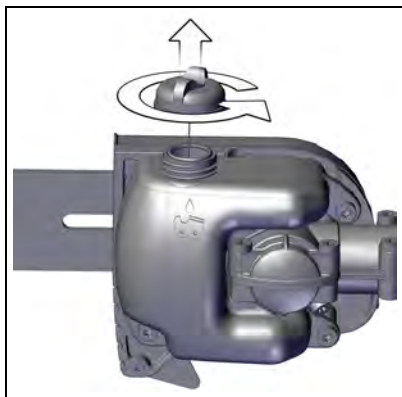
## Lubricating the Guide Bar and Saw Chain

### Automatic Oiling System

### NOTICE

*To prevent plastic deterioration, do not use synthetic or silicone based oil.*

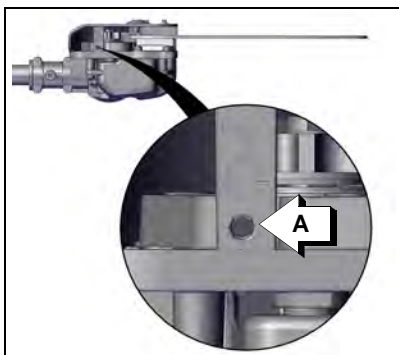
1. Wipe debris from around oil fill cap.
2. Remove oil fill cap and fill reservoir with a quality, low viscosity guide bar and saw chain oil.



## Adjusting Automatic Oiler

1. From bottom of gear case, turn adjustment screw (A) clockwise to decrease oil volume, or counterclockwise to increase oil volume.

Note: The automatic oiler is preset to deliver a sufficient oil discharge volume during normal operating conditions. During heavy or dry cutting conditions, the oil discharge volume may be increased to assure adequate lubrication. If oil is leaking from the bar cover area, reduce the oil discharge volume. Refill the oil reservoir with each tank of fuel.

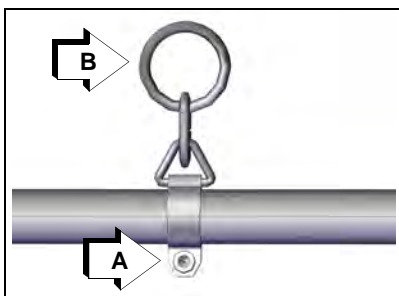


Note: Very little visible oil on the saw chain will provide sufficient lubrication.

## Pruning Techniques

### Shoulder Harness (if included)

1. Loosen the harness clamp screw (A).
2. Put the harness on and attach it to the clamp ring (B).
3. Adjust harness for comfortable operation.
4. Tighten harness clamp screw (A).



## WARNING

**Engine exhaust IS HOT, and contains Carbon Monoxide (CO), a poison gas. Breathing CO can cause unconsciousness, serious injury, or death. Exhaust can cause serious burns. ALWAYS position unit so that exhaust is directed away from your face and body.**

The Power Pruner is designed for light to medium trimming of limbs and branches up to 203 mm (8 in.) diameter. Follow these tips for successful operation.

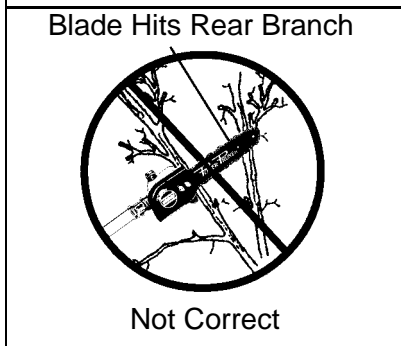
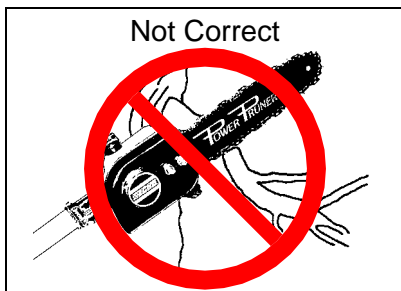
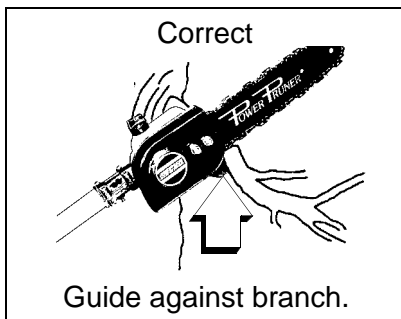
- Plan cut carefully. Check direction branch will fall.
- Plan retreat path from falling branch. Cut branches bounce when striking ground.
- Long branches should be removed in several pieces.
- Do not stand directly beneath branch being cut.

- When ready to cut:  
Hold the cutting shoe against the branch. This will prevent whipping of the branch. DO NOT use back and forth sawing action.

- Look out for branches immediately behind the branch being cut. If saw chain hits a rear branch damage to the saw chain and guide bar may occur.
- Accelerate to full throttle.
- Ease cutting pressure when nearing end of cut to maintain control
- When pruning a limb 102 mm (4 in.) diameter or larger cut as follows:

1. Under cut 1/4 limb diameter near tree trunk.
2. Finish top cut slightly farther out on limb.
3. Flush cut stub at trunk.

- DO NOT use for felling or bucking.



## MAINTENANCE

### WARNING

***Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings. Always stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit. Allow unit to cool before performing service. Wear gloves to protect hands from sharp edges and hot surfaces.***

Your SHINDAIWA unit is designed to provide many hours of trouble free service. Regular scheduled maintenance will help your unit achieve that goal. If you are unsure or are not equipped with the necessary tools, we recommend that you take your unit to an SHINDAIWA Servicing Dealer for maintenance. To help you decide whether you want to DO-IT-YOURSELF or have the SHINDAIWA Dealer do it, each maintenance task has been graded. If the task is not listed, see your SHINDAIWA Dealer for repairs.

### Skill Levels

**Level 1** = Easy to do. Common tools may be required.

**Level 2** = Moderate difficulty. Some specialized tools may be required.

**Level 3** = See your dealer.

### Maintenance Intervals

Component	Maintenance Procedure	Skill Level	Interval
Drive Shaft	Apply lithium based grease.	1	Every 25 hours of use.
Guide Bar	Inspect/Clean/Lubricate	2	Before each use.
Saw Chain	Inspect/Sharpen/Replace/Tension		
Screws/Nuts/Bolts	Inspect/Tighten/Replace	1	
IMPORTANT - Time intervals shown are maximum. Actual use and your experience will determine the frequency of required maintenance.			

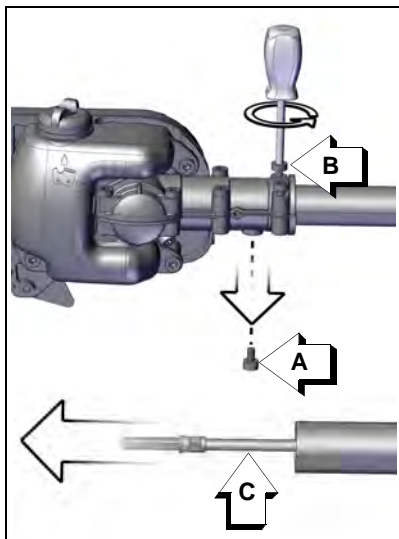
## Lubrication

### Drive Shaft

#### Level 1.

Parts Required: Lithium Based Grease

1. Remove cutting attachment locator screw (A).
2. Loosen two bolts (B).
3. Remove cutting attachment assembly.
4. Remove flex cable (C), wipe clean and apply 15 ml (0.5 oz.) of lithium based grease.
5. Slide the flexible cable back in the drive housing. DO NOT get dirt on the flex cable.
6. Install and secure cutting attachment assembly.



## Guide Bar and Saw Chain Replacement

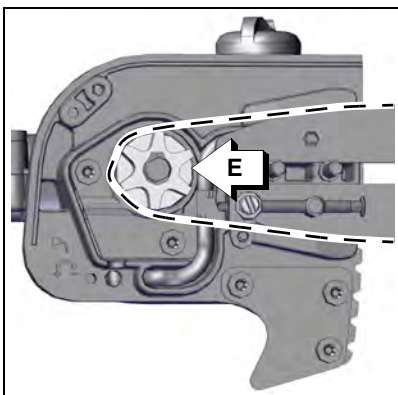
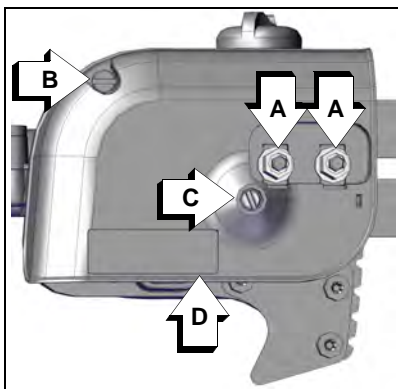
### **! WARNING**

***Never try to replace or adjust guide bar and saw chain with engine running. Always disconnect spark plug wire before servicing guide bar and saw chain. This saw chain is VERY sharp, wear heavy gloves to protect your hands when handling it. Wear eye protection meeting CE or ANSI specification Z87.1.***

### Guide Bar Replacement / Installation

#### Level 2.

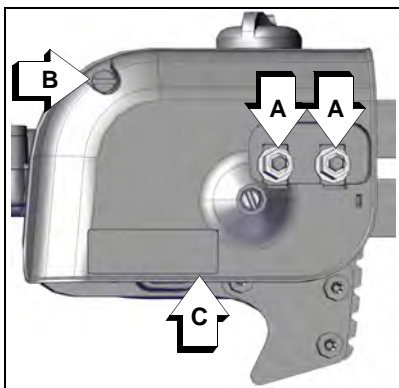
1. Remove two guide bar nuts (A) and sprocket cover screw (B), turn saw chain tension adjustment screw (C) counterclockwise to release tension.
2. Remove guide bar cover (D).
3. Remove guide bar and saw chain from gear case and sprocket.
4. Remove chain from guide bar and check guide bar for damage and excessive or uneven wear. Replace guide bar if necessary
5. Install chain on guide bar with cutters on top of bar facing toward bar tip.
6. Install guide bar and chain on gear case, engaging chain with drive sprocket (E).
7. Turn tension adjustment screw clockwise to take up slack in saw chain.
8. Install guide bar cover (D), and tighten guide bar nuts finger tight and install guide bar cover screw (B).
9. Adjust chain tension.



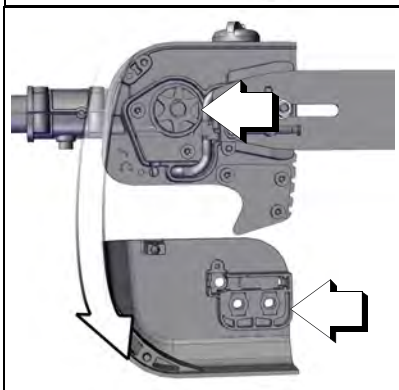
### Guide Bar Cover Cleaning

1. Remove two guide bar nuts (A) and guide bar cover screw (B).

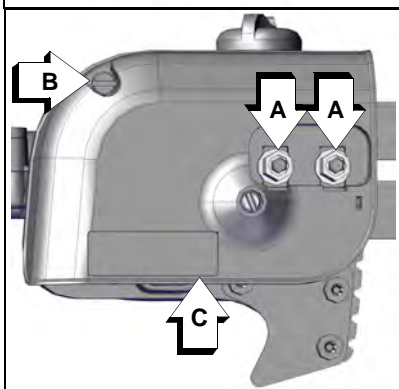
2. Remove guide bar cover (C).



3. Gently brush debris from inside guide bar cover and from around sprocket.



4. Hold the bar nose up. Install guide bar cover (C). Install the guide bar nuts (A). Tighten the rear nut first, then tighten the front nut. Install and tighten the guide bar cover screw (B).



## STORAGE

### Storage Hook Installation

1. Insert small end of hook into locating hole on attachment shaft.
2. Slide plastic cap onto end of attachment shaft.



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## SPECIFICATIONS

MODEL	66002
Length	1451 mm (57.1 in.)
Width	105 mm (4.1 in.)
Height	147 mm (5.8 in.)
Weight	2.25 kg (4.96 lbs.)
Drive Shaft Assembly	6.35 mm (0.25 in.) flexible shaft
Rotation Direction	Counter-clockwise
Gear Case Ratio	1.5:1
Handle	Foamed rubber grip
Oiling System	Automatic, 225 ml (7.6 oz.) capacity
Sprocket Type	6 tooth spur, 9.53 mm (0.375 in.) pitch
Guide Bar	1.3 mm (0.050 in.) gauge, sprocket nose 254 mm (10 in.)
Chain	Oregon Chain 91VXL-39E
Kick Guard	Without

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Zip Code : Código Postal : Code Postal	
E-Mail Address : Dirección De Correo Electrónico : Courriel Electronique	
Phone Number : Número De Teléfono : Téléphone	Date of Purchase : Fecha de la Compra : Date de l'achat
Where Purchased : Nombre del Almacén donde fue Comprado : Lieu d'achat	
Model Number : Número del Modelo : No. de modèle	Serial Number : Número de Serie : No. de série

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☐ Confidabilidad ☐ Experiencia Anterior ☐ Calidad  
☐ Amigo/Familia ☐ Marca ☐ Garantía

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☐ Fiabilité ☐ Expérience ☐ Qualité  
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