



Power Pruner™

Operator's Manual

MODEL **99946400050**
Circle Saw Attachment
FOR MODELS: **PP-1200, PP-1250,**
 PP-1260, PP-1400,
 PPT-2100, PPT-230/231
 PPT-2400, PPT-260/261
 PPFD-2400

ENGLISH

ESPAÑOL

FRANCAIS



WARNING DANGER

Read rules for safe operation and instructions carefully. ECHO provides an Operator's Manual and a Safety Manual, with your Hedge Clipper Attachment. These manuals must be read and understood for proper and safe operation, otherwise serious personal injury may result.

INTRODUCTION

Welcome to the ECHO family. This ECHO product was designed and manufactured to provide long life and on-the-job dependability. Read and understand this manual and the SAFETY MANUAL you found in the same package. You will find both easy to use and full of helpful operating tips and SAFETY messages.

IMPORTANT

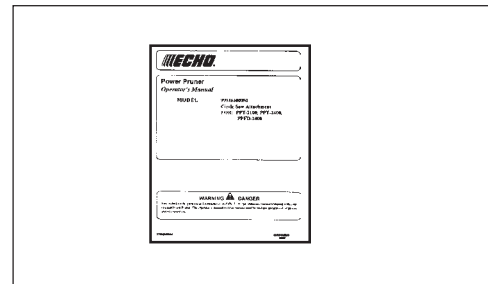
This attachment is designed for use with Echo's Power Pruners™. Use of this attachment with any other ECHO Product will cause premature gear case failure and void the warranty.

THE OPERATOR'S MANUAL

Read and understand this manual before operation. Keep it in a safe place for future reference. It contains specifications and information for operation, starting, stopping, maintenance, storage, and assembly specific to this product.

THE SAFETY MANUAL

Read and understand this manual before operation. Keep it in a safe place for future reference. It explains possible hazards involved with the use of Power Pruner™ and what measures you should take to make their use safer.



CONTENTS

- Circle Saw Attachment
- Tool, Spanner
- Operator's Manual


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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.

MANUAL SAFETY SYMBOLS & IMPORTANT INFORMATION

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

 This symbol accompanied by the words **WARNING** and **DANGER** calls attention to an act or condition that can lead to serious personal injury to operator and bystanders.


 The circle with the slash symbol means whatever is shown within the circle is prohibited.

 
IMPORTANT **NOTE**

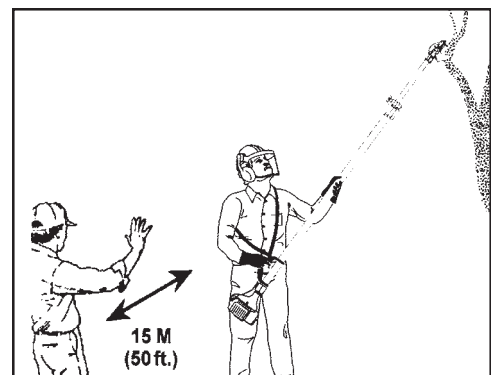
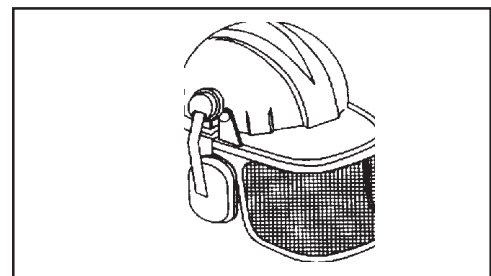
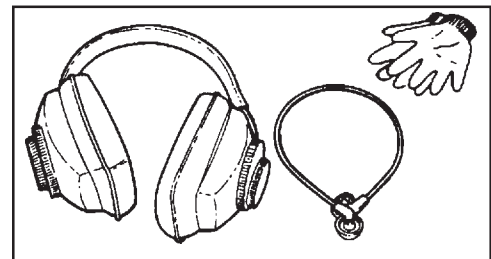
IMPORTANT The enclosed message provides information necessary for the protection of the unit.

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

SAFETY

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

- Wear eye, face, head, hearing, hand and proper clothing for protection.
- Review the area to be trimmed. Look for hazards that could contribute to unsafe conditions. **DO NOT** operate unit if any wires (power, telephone, cable, etc.) are closer than 15m (50 ft.) to any part of the operator or unit. Power Pruner™ are not insulated against electrical current.
- Spectators and fellow workers must be warned, and children and animals prevented from coming nearer than 15 m (50 ft.) while the Power Pruner is in use.
- Before each use inspect the entire attachment for breaks or cracks. If the attachment is damaged in any way repair it immediately. **DO NOT USE A DAMAGED ATTACHMENT.**
- Use only a sharp, properly secured blade approved by ECHO for the Power Pruner Circle Saw Attachment.
- ECHO, INC. will not be responsible for the failure of cutting devices or accessories which have not been tested and approved by ECHO for use with this unit.
- Always evaluate the area being cut for overhead hazards, such as dead branches which may fall and strike the operator or helpers.



WARNING  **DANGER**
Serious injury may result from the use of non approved blade. Read and comply with all safety instructions listed in this manual.

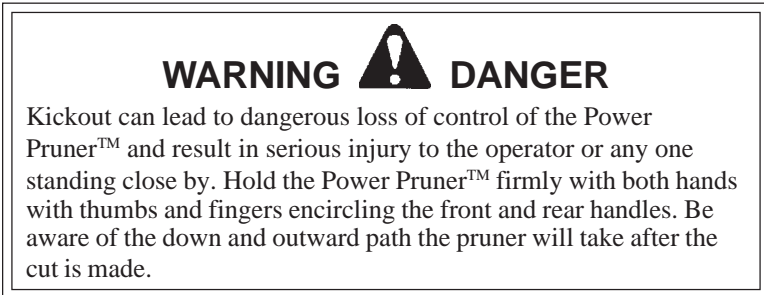
DECALS

Locate this safety decal on your unit. Make sure the decal 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 ECHO dealer. See PARTS ORDERING instructions for specific information.

Shield



KICKOUT



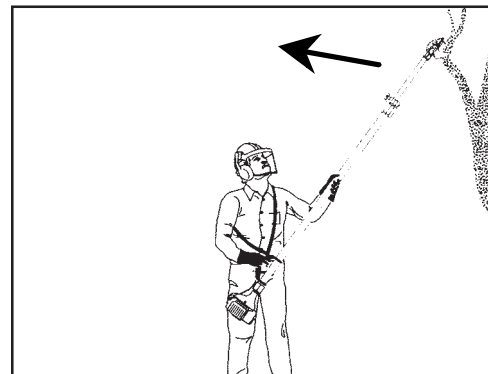
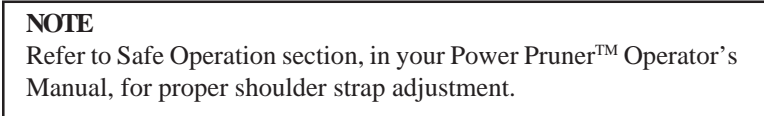
Kickout may occur when the moving saw blade touches an object, or when the wood closes in and pinches the saw blade in the cut. In some cases this may cause a lightning-fast reverse action, kicking the saw blade up and back or down and back towards the operator. Either of these reactions may cause the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

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

Avoid contact with any object while the saw blade is moving.

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

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



ASSEMBLY

CIRCLE SAW ATTACHMENT INSTALLATION

Tools Required: Cross Head/Flat Head Screwdriver

Parts Required: Circle Saw Attachment

WARNING  **DANGER**

The Circle Saw Attachment blade is sharp! Always wear gloves when handling assembly, otherwise serious personal injury may result.

1. Loosen the four (4) screws (A) and remove locator screw (B) on chain saw attachment.
2. Slide chain saw attachment off aluminum housing.

(PP-1400, PPFD-2400 Only)

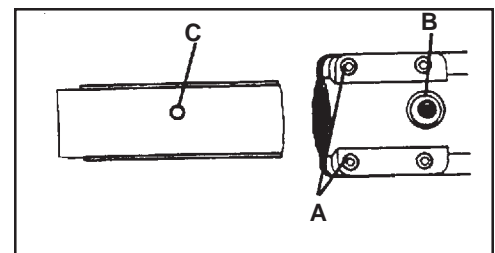
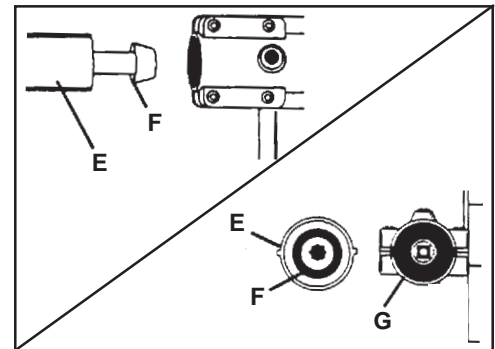
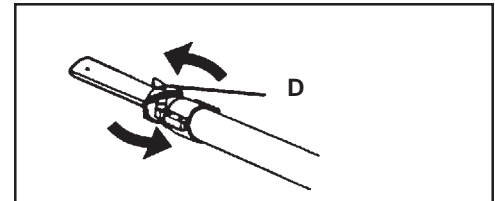
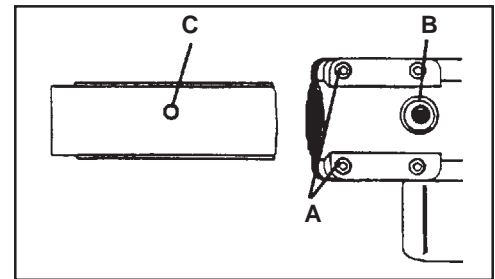
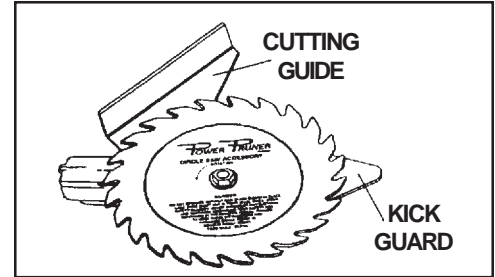
3A. Go to step five (5).

3B. Loosen center clamp knob (D) turning counter clockwise.

4. Pull aluminum housing (E) out of fiberglass housing 127mm (5 in.) or 152mm (6 in.), then slide (E) back into fiberglass housing leaving inner drive shaft (F) exposed. Align and join star shaped drive end of inner drive shaft (F) with circle saw attachment shaft (G).

(ALL MODELS)

5. Align ridges on aluminum housing (E) with seams in circle saw attachment.
6. Slide together aligning locating hole (B) in circle saw attachment with locating hole (C) in aluminum housing.
7. Install and tighten locator screw (B).
8. Tighten four (4) cutting attachment clamp screws (A).



OPERATION

NOTE

Refer to your Power Pruner™ Operator's Manual for correct engine fueling, starting and stopping instructions.

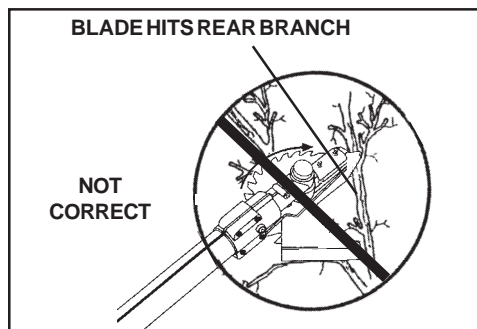
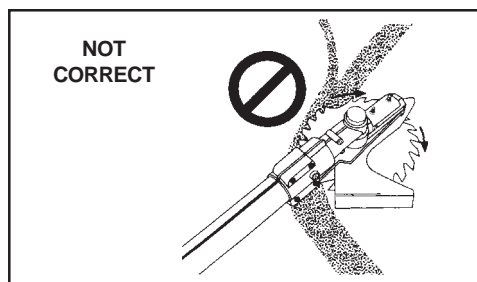
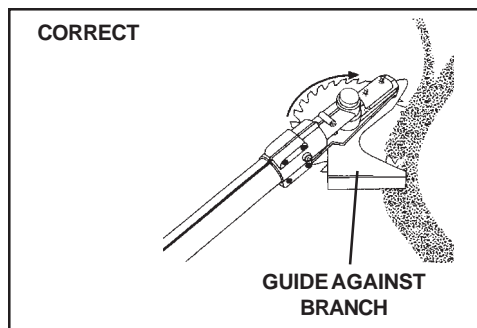
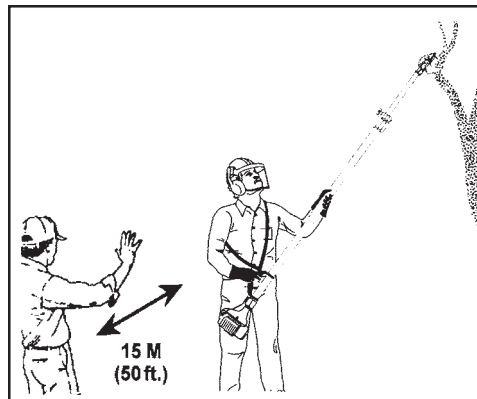
WARNING DANGER

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

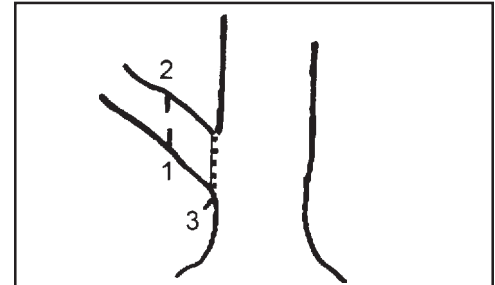
PRUNING TECHNIQUES

The Circle Saw Attachment is designed for light to medium trimming of limbs and branches up to 2-1/2" in diameter. Follow these tips for successful operation.

- Plan cut carefully. Check direction branch will fall.
- Long branches should be removed in several pieces.
- Do not stand directly beneath branch being cut.
- Plan retreat path from falling branch. Cut branches bounce when striking ground.
- When ready to cut:
Hold "front cutting guide" against branch. This will prevent whipping of the branch. **DO NOT** use back and forth sawing action.
- Accelerate to full throttle.
- Apply cutting pressure.
- Ease cutting pressure when nearing end of cut to maintain control.



- When pruning a limb 2-1/2 inch diameter 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.



WARNING  DANGER

This product is not intended for Felling of trees or Bucking logs. Failure to follow this recommendation can result in serious injury or death.

MAINTENANCE

- Grease gear case with lithium based grease every 50 hours of use.

CIRCLE SAW BLADE REPLACEMENT

Tools Required: 19mm (3/4") Spanner, 14mm (9/16") Spanner

Parts Required: Blade, P/N 43162522060

WARNING  DANGER

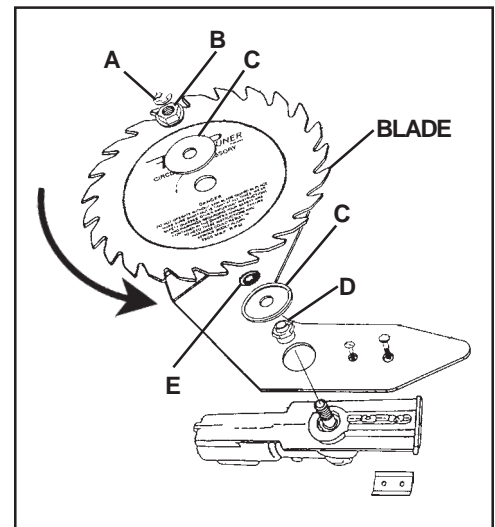
Failure to follow blade mounting instructions can cause blade to be thrown from Circle Saw Attachment and result in serious injury to the operator or nearby bystanders.

1. Remove shaft end ring (A).
2. Hold saw spacer (D), located between guard and blade, with 19mm (3/4") spanner. Remove flange nut (B) turning counter clockwise.
3. Lift off blade and outer saw collar (C).
4. Remove and retain shaft spacer (E) from blade center hole.

WARNING  DANGER

Failure to assemble shaft spacer in blade center hole during reassembly, may result in uneven rotation, and possible injury to the operator or anyone standing nearby.

5. Install new blade with shaft spacer (E) onto saw spacer (D) and inner saw collar (C). Blade teeth should be angled toward direction of blade rotation.
6. Install outer saw collar (C) and flange nut (B).
7. Hold blade adapter (D) from turning with spanner, and tighten nut (B) securely with 14mm (9/16") spanner turning clockwise.
8. Install shaft end ring (A).



SERVICING INFORMATION

PARTS

Genuine ECHO Parts and ECHO REPOWER™ Parts and Assemblies for your ECHO products are available only from an Authorized ECHO Dealer.

SERVICE

Service of this product during the warranty period must be performed by an Authorized ECHO Service Dealer. For the name and address of the Authorized ECHO Service Dealer nearest you, ask your retailer or call: 1-800-432-ECHO (3246). Dealer information is also available on our Web Site. When presenting your unit for Warranty service/repairs, proof of purchase is required.

ECHO CONSUMER PRODUCT SUPPORT

If you require assistance or have questions concerning the application, operation or maintenance of this product you may call the ECHO Consumer Product Support Department at 1-800-673-1558 from 8:30 am to 4:30 pm (Central Standard Time) Monday through Friday. Before calling, please know the model and serial number of your unit to help your Consumer Product Support Representative.

WARRANTY REGISTRATION

You may register your Echo equipment using the warranty registration card or register on-line at www.echo-usa.com. Registering provides a direct link between you and ECHO if we find it necessary to contact you.

ADDITIONAL OR REPLACEMENT MANUALS

Safety Manuals in English/Spanish or English/French are available, free of charge, from your ECHO dealer or at www.echo-usa.com.

Operator's and Parts Manuals are available by:

- Downloading free from www.echo-usa.com
- Purchasing from your Echo Dealer.
- Manuals are available by sending a written request stating the model number and serial number of your Echo unit, part number of the manual, your name and address, and mail to the address below.

Safety Videos are available from your Echo dealer. A \$5.00 shipping charge will be required for each video.

Available Parts Catalog

99946400050

Serial Number ALL

Part Number 99922202935

DEALER?

Call

1-800-432-ECHO

or

www.echo-usa.com

CONSUMER PRODUCT SUPPORT

1-800-673-1558

8:30 - 4:30 Mon - Fri C.S.T.



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