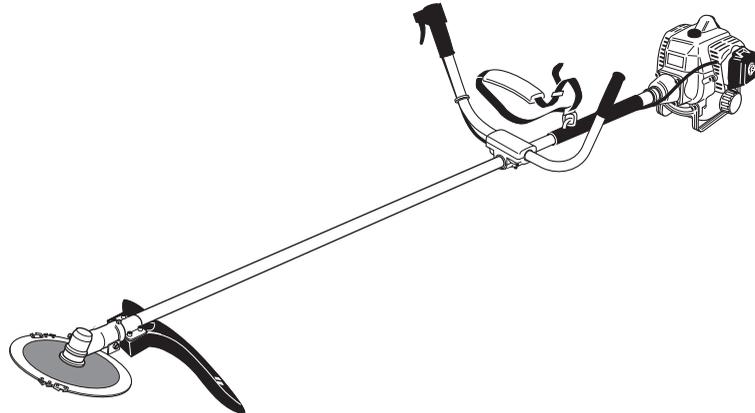


SHINDAIWA BRUSHCUTTER SHIELD UPGRADE INSTRUCTIONS

Model 80562

For Brushcutters:

**C230, C231, C242, C260, C261, C270,
C2510, C3410, BP35**



WARNING!

Minimize the risk of injury to yourself and others! Read the Owner's/ Operator's manual originally supplied with the unit that is being upgraded and familiarize yourself with the contents. Always wear eye and hearing protection when operating your unit.

Introduction

These are instructions to convert a grass trimmer to a blade capable unit. This is not an Owner's/Operator's manual. Information on how to operate and maintain the unit can be found in the Owner's/Operator's manual for the unit you are converting. Note this kit is supplied with a cutting attachment shield that has been redesigned to provide better visibility and a larger cutting swath when used as a grass trimmer.

IMPORTANT!

The information contained in these instructions describes the product available at the time of publication.

Echo, Inc. reserves the right to make changes to products without prior notice, and without obligation to make alterations to units previously manufactured.

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Attention Statements

Throughout this manual are special "attention statements".



WARNING!

A statement preceded by the triangular attention symbol and the word "WARNING" contains information that should be acted upon to prevent serious bodily injury.

CAUTION!

A statement preceded by the word "CAUTION" contains information that should be acted upon to prevent mechanical damage.

IMPORTANT!

A statement preceded by the word "IMPORTANT" is one that possesses special significance.

NOTE:

A statement preceded by the word "NOTE" contains information that is handy to know and may make your job easier.

IMPORTANT!

The instructions described in this manual are intended to help you get the most from your Shindaiwa power tool as well as to protect you and others from harm. These procedures are guidelines for safe operation under most conditions, and are not intended to replace any safety rules and/or laws that may be in force in your area. If you have questions regarding your Shindaiwa power tool, or if you do not understand something in these instructions, your Shindaiwa dealer will be glad to assist you. You may also contact Shindaiwa at the address printed on the back of this instructional manual.



Read and follow this operators manual. Failure to do so could result in serious injury.



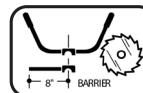
Wear eye and hearing protection at all times during the operation of this unit.



Keep bystanders at least 50 feet (15m) away during operation.



Beware of thrown or ricocheted objects.



Do not operate this unit with a blade unless the unit is equipped with a Shindaiwa-approved handlebar or barrier.



Always wear a harness when operating this unit with a blade. A harness is also recommended when using trimmer line.



If unit is used as a brushcutter, beware of blade thrust. A jammed blade can cause the unit to jerk suddenly and may cause the operator to lose control of the unit.

General Safety Instructions

Work Safely

Trimmers operate at very high speeds and can do serious damage or injury if they are misused or abused.



WARNING!

Use only authorized Shindaiwa parts and accessories with your Shindaiwa trimmer. Do not make modifications to this unit without the written approval of Echo, Inc.



WARNING!

Minimize the Risk of Fire

NEVER smoke or light fires near the unit. **ALWAYS** stop the engine and allow it to cool before refueling. Avoid overfilling and wipe off any fuel that may have spilled.

ALWAYS inspect the unit for fuel leaks before each use. During each refill, check that no fuel leaks from around the fuel cap and/or fuel tank. If fuel leaks are evident, stop using the unit immediately. Fuel leaks must be repaired before using the unit.

ALWAYS move the unit to a place well away from a fuel storage area or other readily flammable materials before starting the engine.

NEVER place flammable material close to the engine muffler.

NEVER run the engine without the spark arrester screen in place.

Stay Alert

You must be physically and mentally fit to operate this unit safely.



WARNING!



Never operate power equipment of any kind if you are tired or if you are under the influence of alcohol, drugs, medication or any other substance that could affect your ability or judgement.



WARNING!

Use Good Judgment

NEVER operate the engine when transporting the unit.

NEVER operate the engine indoors! Make sure there is always good ventilation. Fumes from engine exhaust can cause serious injury or death.

ALWAYS use the proper cutting tool for the job.

ALWAYS stop the unit immediately if it suddenly begins to vibrate or shake. Inspect for broken, missing or improperly installed parts or attachments.

NEVER extend trimming line beyond the length specified for your unit.

ALWAYS keep the unit as clean as practical. Keep it free of loose vegetation, mud, etc.

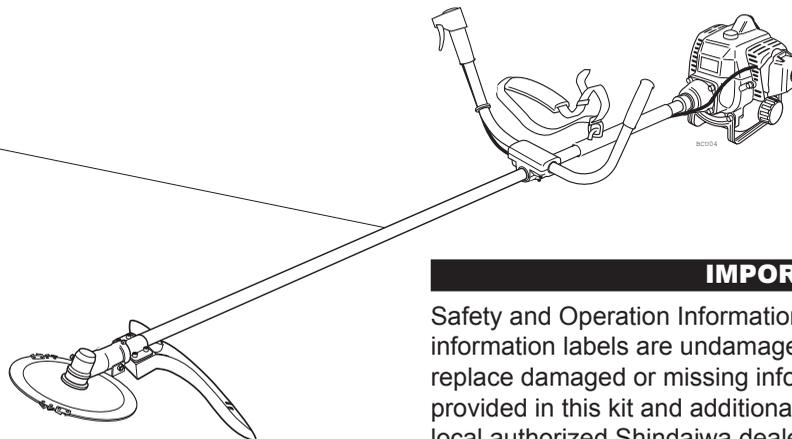
ALWAYS hold the unit firmly with both hands when cutting or trimming, and maintain control at all times.

ALWAYS keep the handles clean.

ALWAYS disconnect the spark plug wire before performing any maintenance work.

ALWAYS if a blade should bind fast in a cut, shut off the engine immediately. Push the branch or tree to ease the bind and free the blade.

Safety Labels



IMPORTANT!

Safety and Operation Information Labels: Make sure all information labels are undamaged and readable. Immediately replace damaged or missing information labels. A new label is provided in this kit and additional labels are available from your local authorized Shindaiwa dealer. Prior to installing the new label, Remove old label and clean the outer tube with rubbing alcohol or similar cleaner.

The Properly Equipped Operator

Wear close-fitting clothing to protect legs and arms. Gloves offer added protection and are strongly recommended. Do not wear clothing or jewelry that could get caught in machinery or underbrush. Secure long hair so that it is above shoulder level. NEVER wear shorts!

Wear hearing protection devices and a broad-brimmed hat or helmet.

Always wear eye protection such as goggles or safety glasses to shield against thrown objects.

Always wear a harness when operating a unit equipped with a blade.

Always operate with both hands firmly gripping the unit.

When operating with a blade, make sure the handle is positioned to provide you with maximum protection from contacting the blade.

Always make sure the appropriate cutting attachment shield is correctly installed and in good condition.

Keep a proper footing and **do not overreach**. Maintain your balance at all times during operation.

Wear appropriate footwear (non-skid boots or shoes); do not wear open-toed shoes or sandals. **Never work barefooted!**

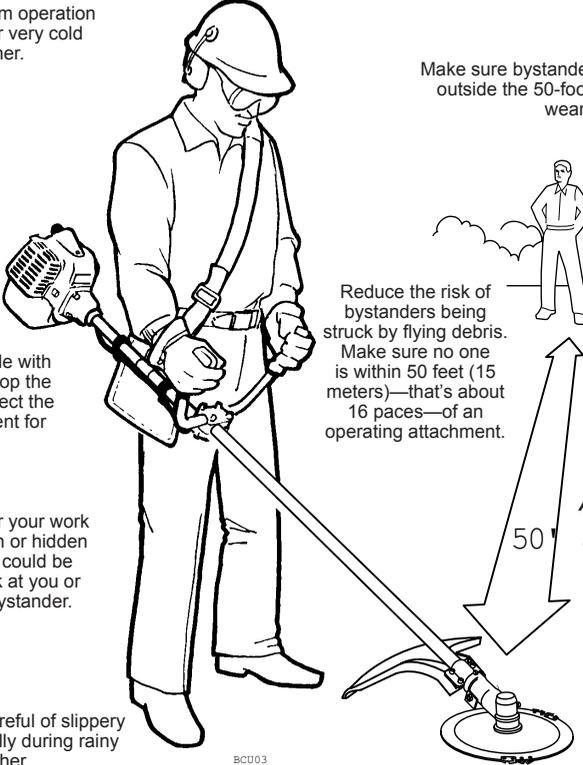
Keep away from the rotating cutting attachment at all times, and never lift a moving attachment above waist-high.



BC002

Be Aware of the Working

(all units)



A line drawing of a worker wearing a hard hat, safety glasses, and a harness, operating a brushcutter. The worker is positioned on the left side of the frame. The brushcutter has a long handle and a cutting attachment at the bottom. A large arrow points upwards from the cutting attachment, labeled '50'. To the right of the arrow, a smaller figure of a person stands within a 50-foot radius of the cutting attachment, labeled '50 FEET'. The background is plain white.

Avoid long-term operation in very hot or very cold weather.

Make sure bystanders or observers outside the 50-foot "danger zone" wear eye protection.

Reduce the risk of bystanders being struck by flying debris. Make sure no one is within 50 feet (15 meters)—that's about 16 paces—of an operating attachment.

50 FEET

50

Always make sure the appropriate cutting attachment shield is correctly installed.

If contact is made with a hard object, stop the engine and inspect the cutting attachment for damage.

Always clear your work area of brush or hidden debris that could be thrown back at you or toward a bystander.

Be extremely careful of slippery terrain, especially during rainy weather.

BCU03

When operating in rocky terrain or near electric wires or fences, use extreme caution to avoid contacting such items with the cutting attachment.

Beware of a coasting blade when brushcutting or edging. A coasting blade can injure while it continues to spin after the throttle trigger is released or after the engine is stopped.

Be constantly alert for objects and debris that could be thrown either from the rotating cutting attachment or bounced from a hard surface.



WARNING!

ALWAYS make sure the cutting attachment is properly installed and firmly tightened before operation.

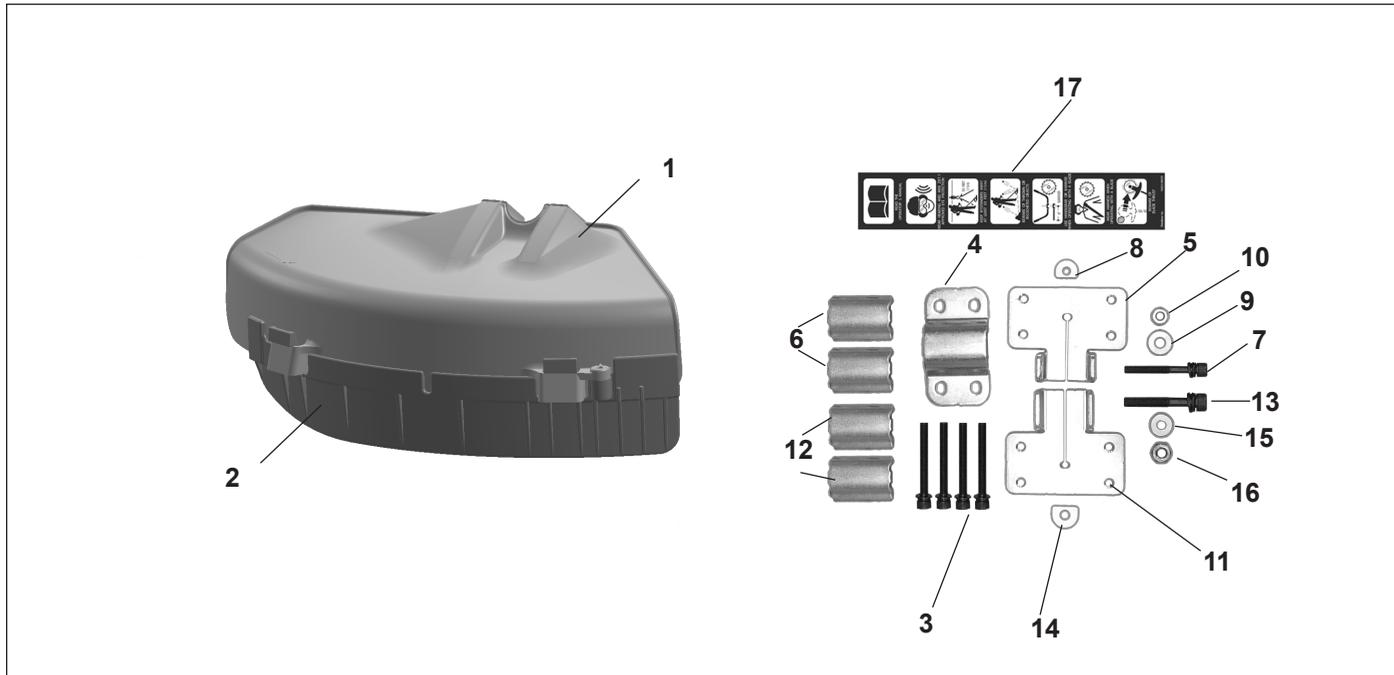
NEVER use a cracked or warped cutting attachment: If a properly installed attachment vibrates, replace the attachment with a new one and re-check.

ALWAYS stop the engine immediately and check for damage if you strike a foreign object or if the unit becomes tangled. Do not operate with broken or damaged equipment.

NEVER allow the engine to run at high RPM without a load. Doing so could damage the engine.

NEVER operate a unit with worn or damaged fasteners or attachment holders.

Kit Contents



FITS MODELS				
#	Description	Qty	C230, C231, C260, C261, C242, C2510	C270, C3410, BP35
1	Cutting Attachment Shield	1	X	X
2	Sub-Shield	1	X	X
3	Debris Shield Clamp Bolt	4	X	X
4	Debris Shield Upper Clamp	1	X	X
5	Cutting Attachment Shield Mounting Plate 24 mm (small)	1	X	
6	Outer Tube Shim 24 mm (thick)	2	X	
7	Clamp Bolt (small)	1	X	
8	D-Washer (small)	1	X	
9	Flat Washer (small)	1	X	
10	Retaining Nut (small)	1	X	
11	Cutting Attachment Shield Mounting Plate 26 mm (large)	1		X
12	Outer Tube Shim 26 mm (thin)	2		X
13	Clamp Bolt (large)	1		X
14	D-Washer (large)	1		X
15	Flat Washer (large)	1		X
16	Retaining Nut (large)	1		X
17	Warning Label	1	X	X
	Assembly Tool (s)		X	X

Assembly

Removing the Old Cutting Attachment Shield

Remove the Existing Cutting Attachment Shield.

IMPORTANT!

You must know the model designation of the unit before you begin. Some units have an outer tube of a different diameter so the correct size parts must be used to secure the shield properly.

1. Remove the four socket-head cap screws, bracket and two shims.
2. Remove the retaining nut, washer and gearcase clamp screw. If possible, do not disturb the D-washer.
3. Remove the cutting attachment shield from the gearcase.

NOTE:

It is not necessary to retain these parts.

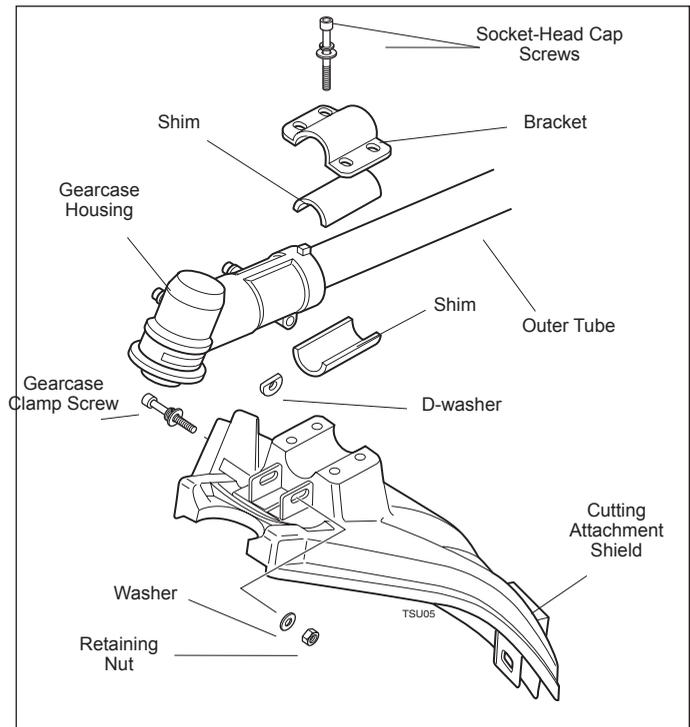
CAUTION!

The D-Washer is a spacer that prevents overtightening and must remain in place to prevent possible damage to the gearcase clamp.



WARNING!

A cutting attachment shield or other protective device is no guarantee of protection against ricochet. YOU MUST ALWAYS GUARD AGAINST FLYING DEBRIS!



New Cutting Attachment Shield

Cutting attachment shield mounting plate

1. Attach cutting attachment shield mounting plate to gear case housing using clamp screw, washer, and retaining nut, and tighten finger tight.
2. Make sure that the D-washer is installed in the gear case clamp, flat side facing outer tube.

Cutting Attachment Shield

NOTE:

Your shield may be different than shield shown.

1. Insert the cutting attachment shield between the outer tube and the mounting plate.

NOTE:

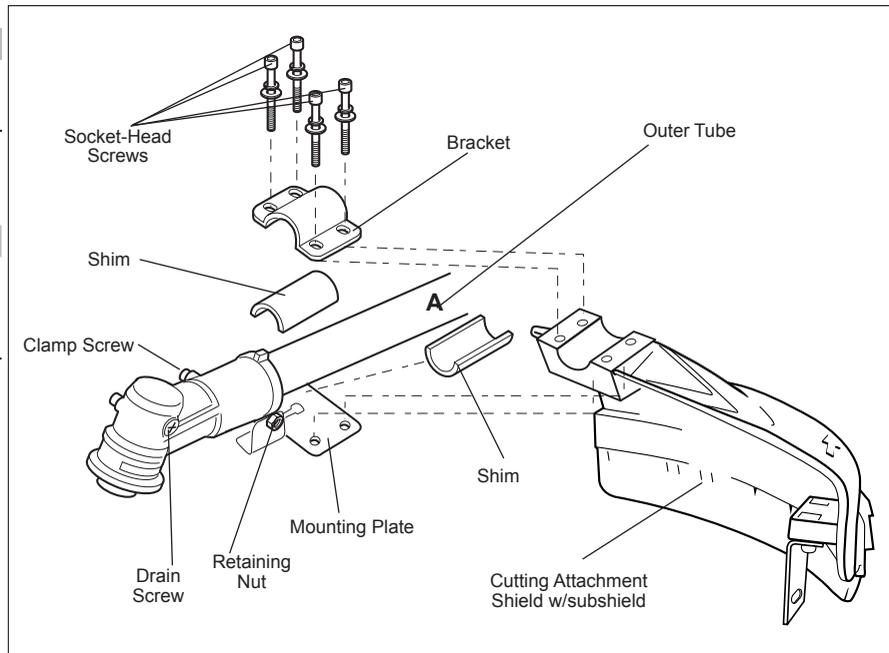
It may be necessary to loosen the retaining nut and clamp screw to adjust cutting attachment mounting plate.

2. Fit the two shims and the bracket over the outer tube. Install the four socket-head screws

NOTE:

Narrow shield holes require screws to be threaded forcefully into shield using tool provided.

3. Tighten the four socket-head screws to secure the cutting attachment shield to mounting plate.



CAUTION!

Make sure the clamp screw and retaining nut are securely tightened before tightening the four socket-head cap screws.

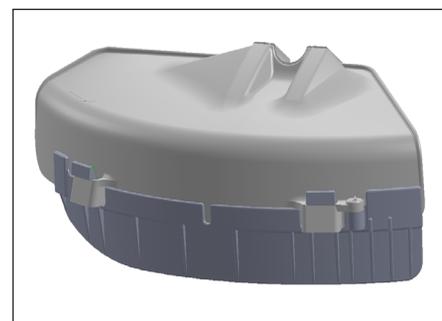
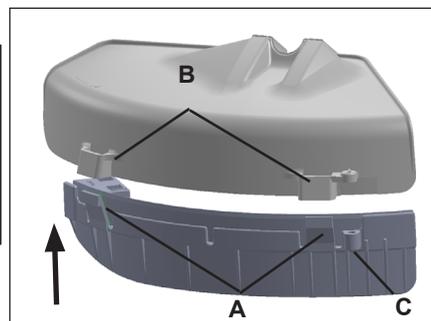
WARNING!

 NEVER operate the unit without the cutting attachment shield installed and tightly secured!

Sub-Shield.

(when trimmer head is in use)

4. Attach the subshield to the cutting attachment shield by snapping the hooks (A) into the hook receivers (B). Then tighten screw (C).



WARNING!

NEVER use this machine without sub-shield when using a trimmer head.



WARNING!

A cutting attachment shield or other protective device is no guarantee of protection against ricochet. YOU MUST ALWAYS GUARD AGAINST FLYING DEBRIS!

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.

shindaiwa[®]

ECHO Incorporated.
400 Oakwood Road
Lake Zurich, IL 60047-1564 U.S.A.
Telephone: 1-877-986-7783
Fax: 1-847-540-8416
www.shindaiwa.com

Yamabiko Corporation
7-2 Suehirocho 1-Chome, Ohme,
Tokyo, 198-8760, Japan
Phone: 81-428-32-6118
Fax: 81-428-32-6145