

WARRANTY

THIS WARRANTY FORM AND CONFIRMED BUNNINGS REGISTER RECEIPT SHOULD BE **RETAINED BY THE CUSTOMER** AT ALL TIMES

The warranty is only made available by returning the product to your nearest Bunnings Warehouse with a **confirmed Bunnings register receipt**.

**YOUR WARRANTY FORM SHOULD BE RETAINED
BY YOU AT ALL TIMES.**

**SHOULD YOU HAVE ANY QUESTIONS PRIOR TO
RETURNING YOUR PRODUCT FOR WARRANTY OR
REPAIR PLEASE TELEPHONE OUR CUSTOMER
SERVICE HELPLINE:**

**Australia 1800 069 486
New Zealand 0508 069 486**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER
AND DATE OF PURCHASE AVAILABLE. AN OZITO CUSTOMER SERVICE
REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS
YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

PURCHASED FROM: _____

DATE PURCHASED: _____

3 YEAR REPLACEMENT WARRANTY

Your Ozito tool is guaranteed for a period of **36 months from the original date of purchase** and is intended for DIY (Do it yourself) use only.

WARNING

The following actions will result in the warranty being void.

- Trade, professional, industrial or high frequency use.
- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- If the tool is disassembled or tampered with in any way.

Note: Warranty excludes consumable parts such as brushes, batteries, sanding pads, blades, discs, drill bits, collets, drive belts and other accessories.

OZITO D.I.Y

Circular Saw

1600 Watt

**Operation Manual
3 Year Replacement Warranty**

OZCS1600WA

CAUTION: Read this operation manual before using this tool.



To view the full range visit: www.ozito.com.au

SPECIFICATIONS - MODEL NO. OZCS1600WA

Motor Size:

1600W
230V ~ 50Hz
185mm (7 1/4")
16mm
5000/min
63mm @ 90°; 44mm @ 45°
4.4kg
Class 2

Blade Diameter:

Blade Bore:

No. Load Speed:

Depth of Cut:

Weight:

Laser Type:

Features:

Spindle Lock
24 tooth TCT Blade
Blade Wrench on board
45° Bevel
Measuring Scale on base
Rip Fence

This Circular Saw has been designed to comply with the following Australian/New Zealand Standards and any other applicable standards referenced therein:

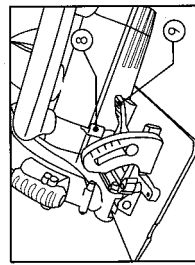
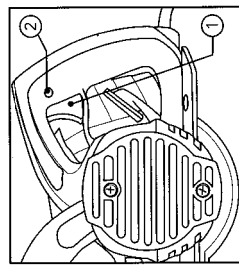
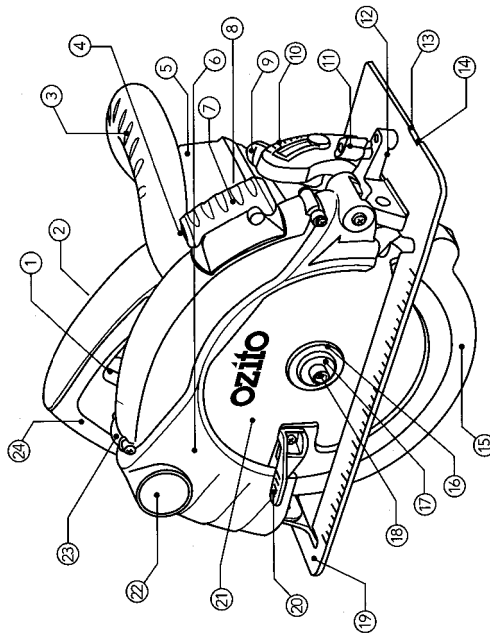
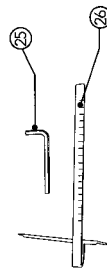
AS/NZS 60745-1

Hand held motor operated electric tools - Safety general requirements.

AS/NZS 60745-2

Hand held motor operated electric tools.

Particular requirements for circular saws.



1. On/Off
2. Lock-off button
3. Front handle
4. Laser light switch
5. Motor housing
6. Upper blade guard
7. Laser light housing
8. Spindle lock button
9. Bevel adjust lever

10. Bevel scale
11. Rip fence lock knob
12. Rip fence slot
13. Cutting guide notch - 0/90 deg
14. Cutting guide notch - 45 deg
15. Lower blade guard
16. Outer blade flange
17. Inner blade flange
18. Blade bolt

19. Baseplate
20. Lower blade guard
21. Blade
22. Dust extraction port
23. Depth adjust lever
24. Soft grip handle
25. 6mm Allen key
26. Rip fence

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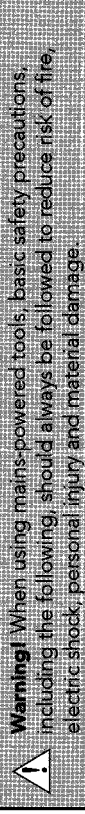
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INTRODUCTION

Congratulations on purchasing an Ozito Circular Saw. We aim to provide quality tools at an affordable price. We hope you will enjoy using this appliance for many years.

Your Ozito Circular Saw OZCS1600WA has been designed to cut timber and is intended for DIY use only.

SAFETY INSTRUCTIONS



Read the whole manual carefully and make sure you know how to switch the tool off, in an emergency, before operating the tool.

Save these instructions and other documents supplied with this machine for future reference.

ELECTRICAL SAFETY

The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.



This tool is double insulated in accordance with AS/NZS3100; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

Note: Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

Using an Extension Lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

It is recommended that the extension lead is a maximum of 25m in length. Do Not use multiple extension leads.

GENERAL SAFETY RULES

Warning! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "Power Tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA

- Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

3) PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

GENERAL SAFETY RULES (cont.)

- Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.
- POWER TOOL USE AND CARE**
 - Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
 - Do not use the power tool if the switch does not turn it on and off.** Any power tool that can not be controlled with the switch is dangerous and must be repaired.
 - Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - Store idle power tools, unplugged & out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
 - Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
 - Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
 - Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.
- SERVICE**
 - Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY INSTRUCTIONS FOR CIRCULAR SAWS

⚠ DANGER! Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing, if both hands are holding the saw, they cannot be cut by the blade.

- Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.
- Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
- Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.
- When ripping, always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.
- Always use blades with correct size and shape (diamond versus round) of arbour holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- Never use damaged or incorrect blade washers or bolts.** The blade washers and bolts were specially designed for your saw, for optimum performance and safety of operation.

Further safety instructions for all saws

Causes and operator prevention of kickback:

- Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
- When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- Support large panels to minimise the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.

ADDITIONAL SAFETY INSTRUCTIONS FOR CIRCULAR SAWS (cont.)

- Do not use dull or damaged blades.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.
- Use extra caution when making a "plunge cut" into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.
- Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.
- Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
- Lower guard may be retracted manually only for special cuts such as "plunge cuts" and "compound cuts." Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released.** For all other sawing, the lower guard should operate automatically.
- Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.
- Recommendation for the use of a residual current device** with a rated residual current device of 30mA or less.

Additional safety instructions for laser lights

The laser light/laser radiation used in the Ozito Circular Saw OZCS1600WA laser is Class 2 with maximum 1mW and 400nm - 700nm wavelengths. These lasers do not normally present an optical hazard, although staring at the beam may cause flash blindness.

⚠ Warning! Do not stare directly at the laser beam. A hazard may exist if you deliberately stare into the beam. Please observe all safety rules as follows.

- The laser shall be used and maintained in accordance with the manufacturer's instructions.
- Never aim the beam at any person or an object other than the work piece.
- The laser beam shall not be deliberately aimed at personnel and shall be prevented from being directed towards the eye of a person for longer than 0.25s.
- Always ensure the laser beam is aimed at a sturdy work piece without reflective surface*, i.e. wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.
- Do not change the laser light assembly with a different type. Repairs must only be carried out by a power tool repairer.



LASER LIGHT. LASER RADIATION
Do not stare into beam.
Only turn laser beam on when tool is on work piece. Class 2 laser product

⚠ Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Please refer to the relevant Australian standards, AS 2397 and AAS/NZS2211 for more information on Lasers.

*kerf = groove cut in timber

TOOL OPERATION

Fitting the Blade

 **Warning!** Disconnect the plug from the power source before assembling, making any adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

1. Press the spindle lock button (8) and using the allen key (25) turn until spindle lock button (8) engages. Whilst depressing the spindle lock button (8), turn the allen key (25) counter-clockwise and remove blade bolt (18) and outer blade flange (16).
2. Ensure blade flanges and bolt is clean of sawdust, grease, etc.
3. Retract the lower blade guard (15) all the way up into the upper blade guard (6). While retracting the lower blade guard (15), check operation and condition of the lower guard spring.
4. Make sure the saw teeth and arrow on the blade point in the same direction as the arrow on the upper blade guard (6).
5. Slide blade (21) through slot in the baseplate (9) and mount it against the inner blade flange (17) on the shaft. Make sure the large diameter of the blade flanges lay flush against the blade (21).
6. Fit outer blade flange (16). First tighten blade bolt (18) to finger tight. Engage spindle lock button (8). Whilst depressing the spindle lock button (8), tighten blade bolt (18) firmly with the allen key (25) supplied.
7. Before connecting the saw to a power source, ensure that:
 - the spindle lock button (8) is released
 - the blade (21) rotates freely
 - the lower blade guard (15) operates correctly

Note: Do not modify allen key (25) to elongate it, since it may lead to over tightening of the blade bolt (18).

Depth Adjustment

Disconnect plug from power source. Loosen the depth adjustment knob (23). Hold the baseplate (19) down with one hand and raise or lower the saw by the soft grip handle (24). Tighten depth adjust lever (23) at the depth setting desired. Check desired depth.

To obtain minimum splintering while operating, ensure that no more than one tooth protrudes through the timber.

90° Cutting Angle Check

Disconnect plug from power source. Set baseplate (19) to maximum depth of cut setting. Loosen bevel adjust lever (9), set to 0° on bevel scale (10), retighten bevel adjust lever (9) and check for 90° angle between the blade (21) and bottom plane of the baseplate (19), with a square.

Bevel Adjustment

Disconnect plug from power source. The baseplate (19) can be adjusted up to 45° by loosening the bevel adjust lever (9) at the front of the saw. Align to desired angle on calibrated bevel scale (10). Then tighten bevel adjust lever (9).

Because of the increased amount of blade engagement in the work and decreased stability of the baseplate (19), blade binding may occur. Keep the saw steady and the baseplate (19) firmly on the work piece.

TOOL OPERATION (cont.)

Line Guide

For a straight 90° cut, use the cutting guide notch (14) in the baseplate (19). For 45° bevel cuts, use cutting guide notch (13). The cutting guide notch will give an approximate line of cut. Make sample cuts in scrap timber to verify actual line of cut. This will be helpful because of the number of different blade types and thicknesses available. To ensure minimum splintering on the good side of the material to be cut, face the good side down.

Switch

 **Warning!** When starting the circular saw, hold it securely with both hands. The torque from the motor can cause the tool to twist.

To turn the tool "ON", depress the lock-off button (2) and squeeze the on/off switch (1). To turn the tool "OFF", release the on/off switch (1), which is spring loaded and will return to "OFF" automatically.

Your saw should be running at full speed BEFORE starting the cut and turned off only AFTER completing the cut. To increase switch life, do not run switch on and off while cutting.

Using the laser light

 **Warning!** Do not stare directly at the laser beam.

Always ensure that the laser light is turned off when the tool is not in use.

Do not, under any circumstances, point the laser beam at any person or animal.

Always ensure that the laser beam is only directed at the work piece.

Do not deliberately direct the laser beam towards the eye of a person for longer than 0.25 seconds, whether the tool is in use or not.

Always ensure that the laser beam is aimed at solid work pieces with non-reflective surfaces such as raw timber. Transparent, shiny or reflective surfaces are not suitable for laser use as the laser beam could be directed back to the operator or bystanders causing injury.

1. Select work piece and mark the cutting line.
2. Select angle and depth of cut on the saw as necessary.
3. Position the saw on the work piece with the front edge of the base plate resting on the work piece. Ensure the blade is not touching the work piece.
4. Switch the laser light on by depressing the laser light switch (4).
5. Line up the laser light with the cutting line on the work piece.
6. Turn on the motor by engaging lock-off button (2) and squeezing the on/off switch (1). Allow the motor to reach maximum speed before starting the cut.
7. Maintain a firm grip and slowly push the saw forward without forcing it through the work piece while keeping the laser guide on the cutting line.
8. When the cut has been completed, release the on/off switch and wait for the blade to come to a complete stop.
9. Switch the laser light off by depressing the laser light switch (4).
10. Remove the saw from the work piece.

TOOL OPERATION (cont.)

General Cuts

Always hold the soft grip handle (24) with one hand and the front handle (3) with the other.

 **Warning!** Always make sure either hand does not interfere with the free movement of the lower blade guard (15).

Maintain a firm grip and operate the switch with a positive action. Never force the saw. Use light and continuous pressure.

 **Warning!** After completing a cut and the trigger has been released, be aware of the necessary time it takes for the blade to come to a complete stop during coast down. Do not allow the saw to brush against your leg or side, since the lower guard is retractable, it could catch on your clothing and expose the blade. Be aware of the necessary blade exposure that exist in both the upper and lower blade guard areas.

When cutting is interrupted, to resume cutting, depress the lock-off button (2) and squeeze the on/off switch (1) and allow the blade (21) to reach full speed, re-enter the cut slowly and resume cutting.

When cutting across the grain, the fibres of the wood have a tendency to tear and lift. Advancing the saw slowly minimizes this effect. For a finished cut, a cross cut blade or mitre blade is recommended.

Cutting Masonry/Metal

This tool is not recommended for metal or masonry abrasive wheels. If you use your saw for cutting these materials your warranty will be voided.

 **Warning!** This machine is not intended to be used with Wet Diamond Wheels. Using water or other liquid coolants with this machine may result in electrocution or shock.

Cutting Large Sheets

Large sheets and long boards sag or bend, depending on support. If you attempt to cut without levelling and properly supporting the piece, the blade will tend to bind, causing KICKBACK and extra load on the motor.

Use timber underneath the sheet or board to raise it for support. This will ensure a safe and stable cutting operation. Support the panel or board close to the cut. Be sure to set the depth of the cut so that you cut through the sheet or board only and not the table or work bench. If the sheet or board to be cut is too large for a table or work bench, use supporting timbers on the floor and secure.

Rip Cuts

The combination blade provided with your saw is for both cross cuts and rip cuts. Ripping is cutting lengthwise with the grain of the wood. Rip cuts are easy to do with a rip fence. To attach rip fence (26), insert rip fence (26) through rip fence slot (12) in baseplate (19) to desired width and secure with the rip fence lock knob (11).

Rip Board Guide

When rip cutting large sheets, the rip fence (26) may not allow the desired width of cut. Clamp or nail a straight piece of 25mm timber to the sheet as a guide. Use the right side of the baseplate (19) against the board guide.

MAINTENANCE

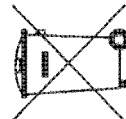
- Keep the ventilation slots of the circular saw clean at all times and prevent any foreign matter from entering.
- If the housing of the circular saw requires cleaning do not use solvents but a moist soft cloth only.
- The grease in the gearbox will require replacement/replenishment after extensive use of the circular saw. Please see a power tool repairer to provide this service.
- Blow dust from the saw through the rear ventilation slots with compressed air periodically to ensure a dust free tool.

NOTE: Ozito Industries will not be responsible for any damage or injuries caused by the repair of the circular saw by an unauthorised person or by mishandling of the tool.

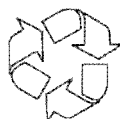
DESCRIPTION OF SYMBOLS

V	Volts	Hz	Hertz
~	Alternating current	W	Watts
/min	Revolutions or reciprocation per minute	No	No load speed
	Double insulated		Regulator compliance mark

CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

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1 x 6mm Allen Key
1 x Rip Fence
1 x Instruction Manual

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