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Home & Garden Performance



FDK 2003-E

English	8
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Fig. 1

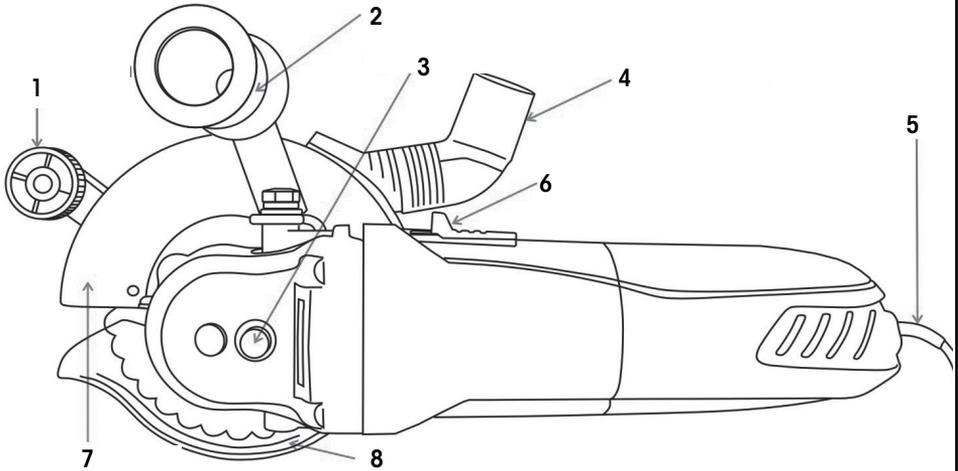
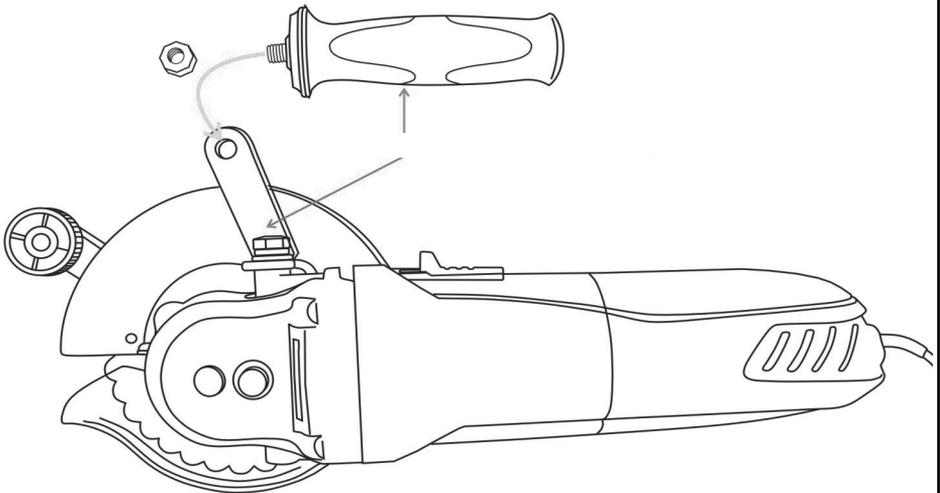


Fig. 2



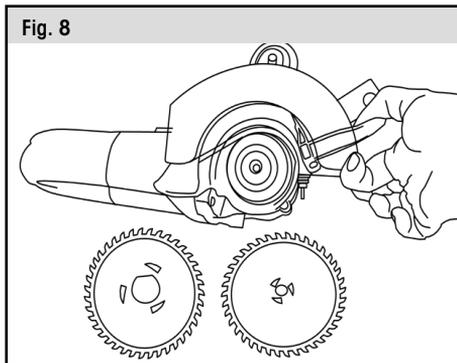
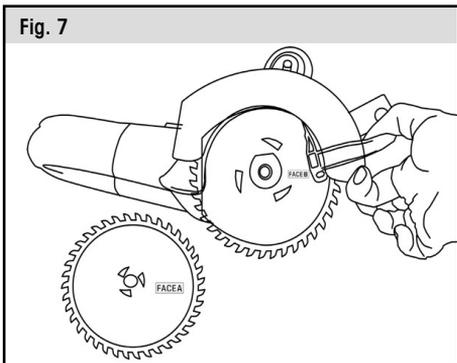
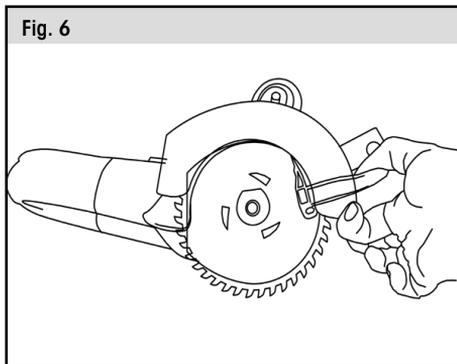
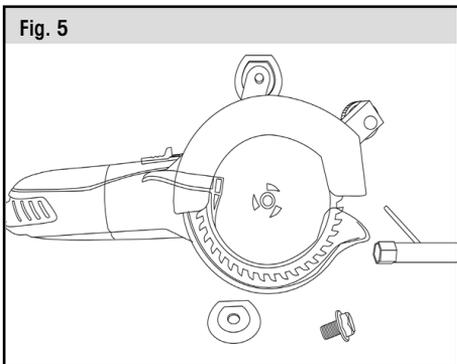
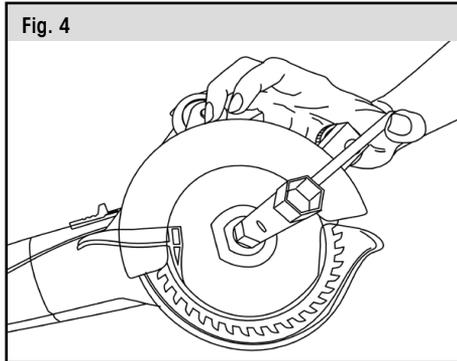
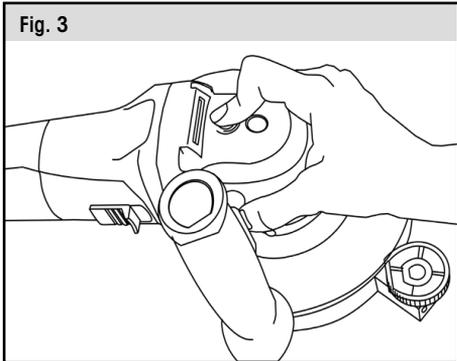


Fig. 9

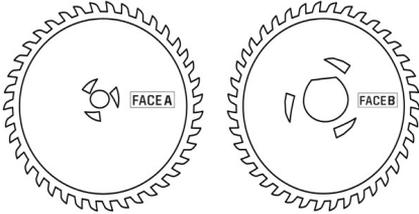


Fig. 10

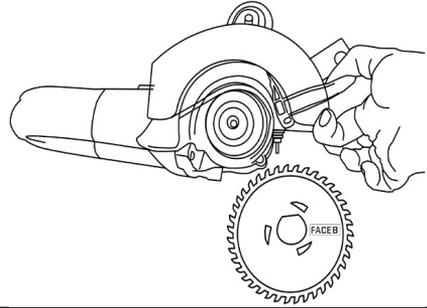


Fig. 11

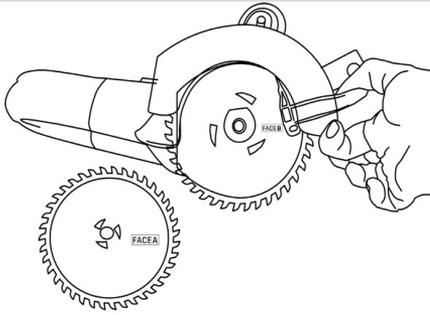


Fig. 12

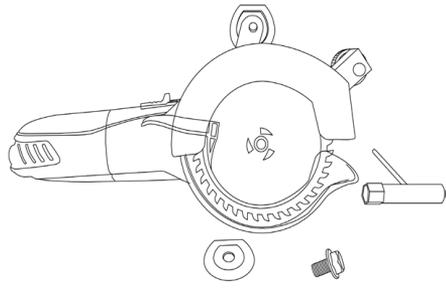


Fig. 13

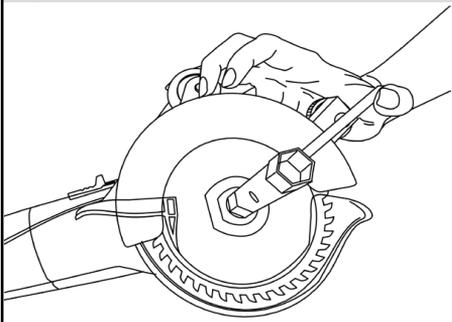
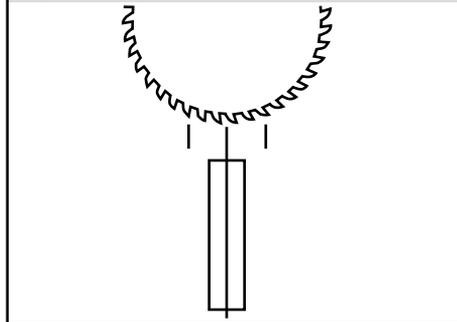


Fig. 14



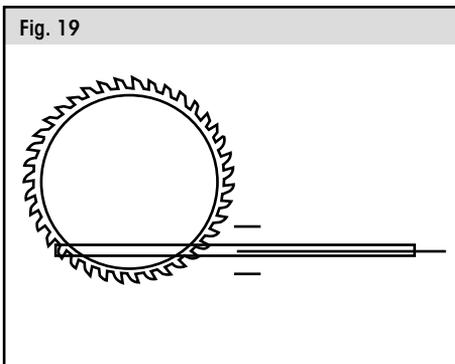
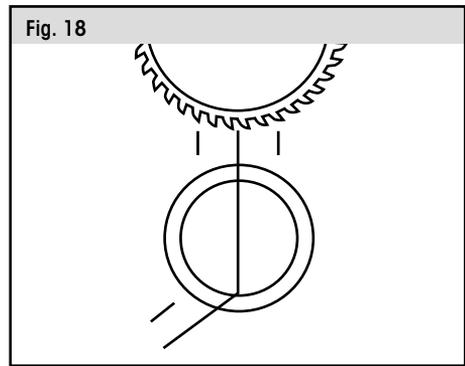
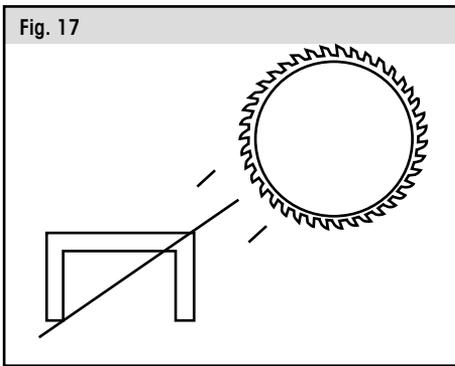
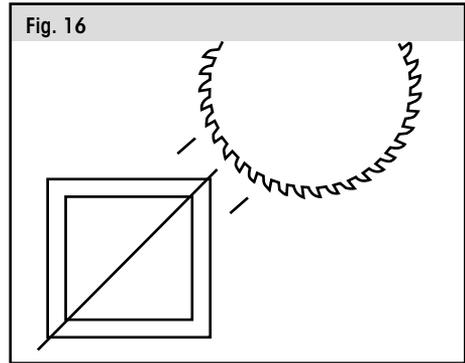
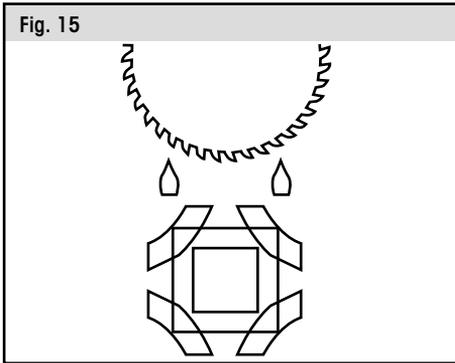
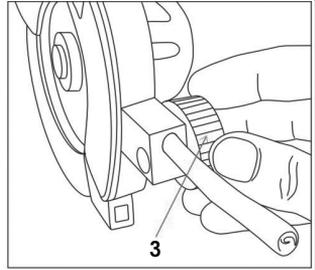
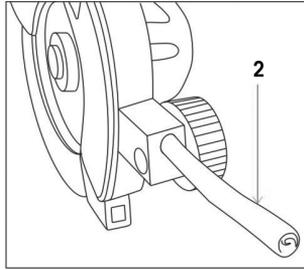
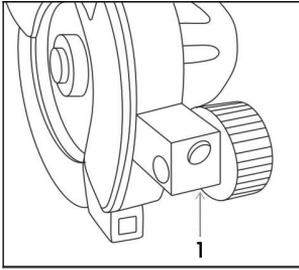


Fig. 20



Twin Blades Cutter

INSTRUCTION MANUAL

Thank you for your purchase of the electrical circular saw. For your personal safety, read and understand the Instruction Manual before using. Keep the Instruction Manual in a safe place for future reference.

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1. GENERAL SAFETY INSTRUCTIONS

⚠ WARNING! Carefully read the instruction manual before use.

Important safety warnings

- ✿ Unpack the product carefully and be sure not to throw away any part of the package before having found all components of the product.
- ✿ Keep the product in a dry place out of reach of children.
- ✿ Read all cautions and instructions. The failure to adhere to warning cautions and instructions may result in an accident, fire and/or a serious injury.

Packaging

The product is placed in a package preventing damage during transport. This package is a raw material therefore it can be handed-over for recycling.

Instructions for use

Before beginning to work with the machine, read the following safety rules and instructions for use. Familiarize with operating elements and the proper use of the device. Keep the manual in a safe place for future reference. We recommend keeping the original package including the inner packaging materials, cash voucher and guarantee card for a period of warranty at minimum. For a case of transportation, pack the machine into the original box from the manufacturer, thus ensuring a maximum protection of the product during a possible transport (e.g. moving or sending into a service station).

 **Note:** If you hand the machine over to next persons, hand it over together with the manual. Adherence to the attached instructions for use is a precondition for the proper use of the machine. The operation manual includes also instructions for operation, maintenance and repairs.

The manufacturer does not take any responsibility for accidents or damages resulting from the failure to adhere to this manual.

2. GENERAL SAFETY INSTRUCTIONS

Carefully read, remember and keep these safety instructions

⚠ WARNING! In the use of electric machines and power tools, it is necessary to respect and follow the following safety instructions for the reasons of protection against electric shock, personal injury and danger of fire. The term "power tool" in the instructions below refers both to mains-operated (corded) power tool or battery-operated (cordless) power tool. Save all warnings and instructions for future reference.

Workplace

- ✿ Keep the work area clean and well lit. Cluttered or dark areas in the workplace invite accidents. Store power tools that you don't currently use.
- ✿ Do not operate power tools in environments with danger of occurrence of a fire or explosion, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- ✿ Keep unauthorised persons, especially children, away from the work area while operating a power tool! Distractions can cause you to lose control over the performed activity. In no event leave your power tool unattended. Keep the equipment away from animals.

Electrical Safety

- ✿ Power tool plugs must match the mains socket outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Undamaged plugs and matching outlets will reduce risk of electric shock. Damaged or fouled supply cables increase the risk of electric shock. If the power cord is damaged, it must be replaced by a new power cord which is available at the authorised service centre or the importer.
- ✿ Avoid body contact with earthed or grounded surfaces such as pipes, radiators, cooking ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- ✿ If an extension cord is used, always check whether its technical parameters match the information specified in the type label of the power tool. When operating a power tool outdoors, use an extension cord suitable for outdoor use. If extension drums are used, these must be rolled out to prevent overheating of the cord.
- ✿ If a power tool is operated in a damp location or outdoors, its operation is only permitted if connected to an electric circuit protected by a residual current device <30 mA. Use of residual current device (RCD) reduces the risk of electric shock.
- ✿ Hold the power tool by insulated gripping surfaces only as the cutting or drilling tool may contact hidden wiring or its own power cord during operation.

Personal Safety

- ✿ Be careful, stay alert and watch what you are doing when operating a power tool. Concentrate on your work. 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. Do not eat, drink and smoke while operating a power tool.
- ✿ Use personal protective equipment. Always wear eye protection. Use protective equipment corresponding to the type of work you are doing. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used in accordance with the working conditions will reduce the risk of personal injury.
- ✿ Prevent unintentional starting. Do not carry the power tool while it is energised or with your finger on the switch or trigger. Ensure the switch or trigger is in the "off" position before connecting to power source. Carrying power tools with your finger on the switch or energising power tools that have the switch on may result in serious injuries.
- ✿ Remove any adjusting key or wrench before turning the power tool on. An adjusting wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- ✿ Keep proper footing and balance at all times. Do not overreach. Never overestimate your own capabilities. Never use power tools while you are tired.
- ✿ Dress properly. Wear work clothes. Do not wear loose clothing or jewellery. Keep your hair, clothing, gloves and other part of your body away from moving or hot parts of the power tool.
- ✿ Connect the equipment to dust exhaustion. If the tools are provided for the connection of dust collection or exhaustion devices, ensure these are properly connected and used. Use of such devices can reduce dust-related hazards.
- ✿ Fix the work-piece tightly. Use a cabinet clamp or a cramp to fix the work-piece you are about to machine.
- ✿ Never use power tools if you are under the influence of alcohol, drugs, medication or other narcotic or addictive substances.
- ✿ This equipment is not intended for use by persons (including children) with limited physical, sensual or mental capacities or lack of experience or knowledge unless they are supervised or instructed about the use of the equipment by a person responsible for their safety. Children must be supervised to make sure they are not playing with the equipment.

Power Tool Use and Maintenance

- ✿ Always disconnect the power tool from the mains in case of any problem during the work, before cleaning the power tool or its maintenance, during each transportation and after the completion of the work! Never operate a power tool if it is damaged in any way.
- ✿ Immediately stop working if the power tool generates abnormal noise or smell.
- ✿ Do not overload the power tool. The power tool will operate better and safer if it is used at the rate for which it was designed. Use correct power tool which is intended for the given activity. The correct power tool will do the job it was designed for better and safer.
- ✿ Do not use the power tool if it cannot be safely turned on and off using the control switch. Use of such power tool is dangerous. Defective switches must be repaired by a certified service provider.

- ✿ Disconnect the tool from the power source before making any adjustments, changing accessories or maintenance. Such preventive safety measure prevents the risk of starting the power tool accidentally.
- ✿ Store idle power tools out of the reach of children and unauthorised persons. Power tools can be dangerous in the hands of untrained users. Store the power tools in a dry and safe place.
- ✿ Keep the power tool in good condition. Check the adjustment of moving parts and their mobility. Check for any damage to the protective guards or other parts which could affect safe operation of the power tool. If damaged, have the power tool properly repaired before further use. Many accidents are caused by poorly maintained power tools.
- ✿ Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges facilitate work, reduce the risk of injury and are easier to control. Use of accessories other than those specified in the instructions for use could result in damage to the power tool and cause injuries.
- ✿ 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 purposes other than those the power tool was intended for could result in hazardous situations.

Use of Cordless Power Tools

- ✿ Before inserting the battery, make sure the switch is in the "O-OFF" position. Inserting a battery into a switched-on power tool could result in hazardous situations.
- ✿ Charge batteries only using the chargers prescribed by the manufacturer. Using a charger intended for other battery type could result in its damage and occurrence of fire.
- ✿ Use only batteries intended for particular power tool. Use of different batteries could cause injury or occurrence of fire.
- ✿ If the battery is not used, keep it separately from metal objects such as clamps, keys, bolts and other small metal items which could cause connection of one battery contact with the other. Short-circuiting the battery could result in injury, burns or occurrence of fire.
- ✿ Handle the batteries with care. Rough handling could result in leak of chemical substance from the battery. Avoid contact with such substance and if, nonetheless, any contact occurs wash the affected area under running water. If eyes get into contact with the chemical substance seek immediately medical aid. Chemical substance from the battery can cause serious injuries.

Service

- ✿ Do not replace parts of the power tool, do not make any repairs or interfere in any way with the construction of the power tool. Have your power tool repaired by qualified repair persons.
- ✿ Any repair or modification of the product without our company's authorisation is impermissible (it could cause injury or damage to the user).
- ✿ Always have your power tool repaired in a certified service centre. Use only original or recommended replacement parts. This will ensure that your safety and the safety of your power tool is maintained.

3.SYMBOLS

Some of the following symbols may be used on this tool. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Volts	Voltage
	Amperes	Current
	Hertz	Frequency
	Watt	Power
	Minutes	Time
	Alternating Current	Type of Current
	Direct Current	Type of Current
	No Load speed	Rotational speed at no load
	Class II Construction	Double-insulated Construction
RPM	Per Minute	Revolutions per minute
	Wet Conditions Alert	Do not expose to rain or use in damp areas.
	Read User Manual	To reduce the risk of injury, user must read and understand user's manual before using the product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields.
	Face Mask	Wear full-face mask when operating this product.
	Ear Protection	To protect your ears for the noise and flying debris, always wear ear protectors or ear plugs.
	Gloves	Always wear gloves when operating this product.
	No Hands Symbol	Failure to keep your hands away from the blades will result in serious injury.
	Danger	Indicates an immediate hazardous situation. Must avoid to prevent death or serious injury.
	Warning	Indicates a potentially hazardous situation, which, if not avoided may result in serious injury.
	Caution	Indicates a potentially hazardous situation, which, if not avoided may result in minor injury.



WARNING!

The operation of any power tool can result in foreign objects flying into your eyes, which can result in severe injury. Always wear safety goggles or safety glasses with side shields and when needed it, a full face mask.

4. FEATURES

fig 1

1. Lubrication Unit
2. Front Grip
3. Spindle Lock
4. Vacuum Pipe
5. Power Cord
6. On/off switch
7. Upper Guard
8. Lower Guard

KNOW YOUR TWIN BLADES CUTTER

Before attempting to use this tool, familiarize yourself with all operation features and Safety rules. (See Figure 1).

SPINDLE LOCK

The spindle lock allows you to secure the blade when turning the blade screw.

LUBRICATION UNIT

When cutting soft metals such as aluminum or copper, insert a lubricating stick in the lubricating unit to protect the material and the blades.

VACUUM PIPE

The vacuum pipe collects dust and debris generated while cutting



LOWER GUARD

The lower blade guard is there for your protection and safety. It should NEVER be altered for any reason. If it becomes damaged or begins to return slowly or sluggishly, DO NOT use your saw until the damage has been repaired or replaced.

5. ASSEMBLY

UNPACKING

- * Carefully remove the tool and any accessories from the box. Make sure that all the items listed in the packing list are included.
Inspect the tool carefully to make sure no damage occurred during shipping.
- * Do not discard packaging material until you have carefully inspected and satisfactorily operated the tool.

PACKING LIST

- * Twin Blades Cutter
- * 1 Set of All-Purpose Blades (on saw)
- * Front Grip
- * Blade Wrench
- * 10 Lubricating Sticks
- * User Manual
- * Carrying Case



WARNING!

If any parts are missing or damaged do not operate this tool until missing parts are replaced. Failure to do so could result in serious personal injury.



WARNING!

Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any alteration or modification is misuse and could result in a hazardous condition and could result in serious personal injury.



WARNING!

To prevent accidental starting that could cause serious personal injury, always unplug the saw when assembling parts.

ATTACHING THE FRONT GRIP

Front Grip/Handle Assembly - fig 2

- ✿ Screw front grip into saw as shown in figure 2.
- ✿ Use nut to tighten the hand grip.

WARNING!

If any parts are missing or damaged do not operate this tool until missing parts are replaced. Failure to do so could result in serious personal injury.

WARNING!

Be sure to first unplug the electric cord from the electrical outlet and allow blades to cool before removing blades.

1. Push the spindle lock to secure the blade. (Fig. 3)
2. Use the blade wrench to unscrew the lock nut. (Fig. 4)
3. Remove lock nut and washer from the blade (fig. 5)
4. Open lower guard of the blade. (Fig. 6)
5. Lift up and remove "Face 1" blade. (Fig. 7)
6. Lift up and remove "Face 2" blade. (Fig. 8)

ATTACHING THE BLADES

1. Identify "Face 1" and "Face 2" on your new set of blades for Twin Blades Cutter. (Fig. 9)
2. Open lower guard and place "Face 2" blade on saw and fit on the outer arbor shaft. (Fig. 10)
3. Place "Face 1" blade on top of "Face 2" blade and fit on inner arbor shaft. (Fig. 11)
4. Place washer and lock nut onto shaft. (Fig. 12)
5. Tighten lock nut using blade wrench tool. (Fig. 13)

6. OPERATION

DUALSAW BLADES

- * Keep the blades clean, sharp and properly set. Using a dull blade will place a heavy load on your saw and increases the danger of kickback. Keep extra blades on hand, so sharp blades are always available.
- * Gum and wood pitch hardened on your blade will slow your saw down. Use gum and pitch remover, hot water or degreaser to remove these accumulations. **DO NOT** use gasoline.



CAUTION!

Don't use the saw when the blade guard is not operating properly. The guard should be checked for correct operation before each use. If you drop your saw, check the lower blade guard and bumper for damage at all depth settings before using.

BLADE GUARD SYSTEM

- * The lower blade guard attached to your saw is there for your protection and safety. It should **NEVER** be altered for any reason. If it becomes damaged or begins to return slowly or sluggishly, **DO NOT** use your saw until the damage has been repaired or replaced. Contact Customer Service. Leave the guard in its correct operating position when using the saw.
- * The guard is operating properly when it moves freely and then readily returns to the closed position. If, for any reason, your lower blade guard does not close freely, contact Customer Service for assistance before using it.

OPERATING THE SAW

- * Clamp the work piece so it will not move during the cut.
- * Slide the switch to **ON** to start the saw. Always let the blades reach full speed before you begin to cut into the work piece.
- * Apply steady and even pressure when making a cut. Forcing the saw causes rough cuts and could shorten the life of the saw or cause kickback.
- * Use the lubricating device (included) when cutting aluminum, copper, stainless steel and cast iron materials, because they have a tendency to smear and adhere to the blades.

- * Always feed material 90° to the blade. Feeding at an angle can burn the blade and damage the blade teeth.
- * Don't place the saw on the part of the work piece that will fall off (after the cut). To stop the saw, slide the switch to the OFF position.



CAUTION!

Maintain control of the saw to make sawing safer and easier. Loss of control of the saw could cause an accident resulting in possible serious injury.

STARTING A CUT

- * Slide the switch to ON to start the saw. Always let the blades reach full speed before you begin to cut into the work piece.
- * Apply steady and even pressure when making a cut. Forcing the saw causes rough cuts and could shorten the life of the saw or cause kickback.
- * Make sure both blades enter into the material at the same time otherwise, unexpected kickback may result, risking serious injury.

HOW TO ADJUST THE FEED SPEED

- * Feed speed is extremely important to get proper results from the saw. Feed speed is determined by the hardness and the thickness of the material you plan to cut. Feed speed is defined by how quickly you push the saw blades through the material.
- * Feed (for thin materials) the blades down with the teeth protruding only 10-12 mm, then move forward (or backward) for cutting.
- * Feeding must be at a 90° angle to the material. Feeding at an angle can burn the blade and damage the teeth.



CAUTION!

- If the feed speed is too slow, the blades will only press down the material rather than cutting it. The blade edges glide and wear down the material. This will cause a poor cut and will cause excessive wear on the blades.
- If the feed speed is fast there is a definite risk that the cut might split. The splinter will get bigger and bigger and eventually break risking serious personal injury.
- If the feed speed is too high there is a risk that the cut might split and the splinter opening's volume will not be sufficient to divert all the shaving. The result is a poor cut with significant discharge on the lower side of the material.

CUTTING DIFFERENT MATERIALS

FLAT STRIP

Move blades in a 90 degree angle across the piece. (Fig. 14)

SOFT METALS

Apply lubrication sticks through the lubrication system and then cut. (Fig. 15)

SQUARE TUBE

Move blades to the tube in a diagonal direction.(Fig. 16)

U-SHAPE MATERIAL

Move blades to the U-profile material from the diagonal direction. (Fig. 17)

ROUND TUBE

Move blades through the piece in such a way that they come out in a 90 degree angle. (Fig. 18)

SHEETS

Move blades into the material in a 90 degree angle then slide blades through the sheet. (Fig. 19)

LUBRICATION STICKS

- ✿ Use the lubricating sticks to protect your blades and the material when cutting soft metals such as aluminum or copper.
- ✿ For your convenience, we have included 10 lubrication sticks in your package. Additional lubrication sticks can be purchased at www.fieldmann.cz, and in our partner's shops.

FIG.20

- 1 Lubrication Unit
- 2 Wax Stick
- 3 Lubrication Knob

- ✿ Insert a lubricating sticks in the lubricating unit as shown in figure 20.
- ✿ Use the lubricating knob to feed the wax into the blades as need it

7.MAINTENANCE

GENERAL MAINTENANCE

- ✿ Tool service must be performed by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury. Contact Customer Service for information on repairs.
- ✿ When servicing a tool, always use only identical replacement parts. Follow instructions in the maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.
- ✿ Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, carbon dust etc.
- ✿ It is a known fact that electric tools are subject to accelerated wear and possible premature failure when they are used to work on fiber glass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive for electrical tool parts, such as bearings, brushes, commutators, etc. Consequently, clean the tool even more intensely after working these materials.

CLEANING AND STORAGE

- ✿ Resin and other materials that easily become attached to the sides of the blade often cause the blade to overheat. This means that it can buckle or even split. You must therefore always keep the blade clean. Wash it with a solvent. Never try to scrape the blade clean with a hard object.
- ✿ When the blade is not in use, it should be stored in its original sheath, well cleaned and coated with an antioxidant agent.

LUBRICATION

- ✿ All of the bearings in this tool are lubricated with a sufficient amount of high- grade lubricant for the life of the tool under normal operation condition Therefore, no further lubricating is required.

DOUBLE INSULATION

- ✿ Double insulation is a concept in safety in electric power tools, which eliminates the need for the standard 3-wire ground power cord. All exposed metal parts are isolated from the internal motor components with protecting insulation. Double insulated power tools do not need to be grounded.

EXTENSION CORDS

- ✿ The use of any extension cord will cause some loss of power. To keep the loss at a minimum and to prevent overheating, use an extension cord that is heavy enough to carry the current that the tool will draw.

BLADE MAINTENANCE

- ✿ Do not use dull or damaged blades. Dull or improperly set blades produce narrow kerf causing excessive blade binding and kickback.
- ✿ Keep the blades clean, sharp and properly set. Using a dull blade will place a heavy load on your saw and increases the danger of kickback. Keep extra blades on hand, so sharp blades are always available.
- ✿ Gum and wood pitch hardened on your blade will slow your saw down. Use gum and pitch remover, hot water or degreaser to remove these accumulating DO NOT use gasoline.
- ✿ Don't attempt to operate saw with only one blade. Kickback will occur and send the saw toward you resulting in serious injury.



WARNING!

When servicing, use only identical replacement parts. Use of other parts may create a hazard or cause product damage.

Contact customer service at info@fieldmann.cz for information on how to obtain replacement parts from an authorized service facility.

TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
An unusually large amount of sparks	1. Damaged teeth 2. Feed speed is too slow 3. Blunt teeth	1. Replace blades 2. Increase feed speed 3. Mount new set of blades
A lot of wear in section	1. Feed speed is too fast 2. Damaged teeth 3. Blunt teeth 4. Not cutting parallel or perpendicular to work surface	1. Reduce feed speed 2. Replace blades 3. Hold saw parallel to work surface
Blades break	1. Feed speed is too fast 2. Damaged teeth 3. Blunt teeth 4. Blades have burned out	1. Reduce feed speed 2. Replace blades

8. DECLARATION OF CONFORMITY

Product/Name: Twin Blades Cutter / FIELDMANN

Type/Model: FDK 2003 - E.....230V/50Hz/1050W/5500rpm/125mm

The product complies with the following directives:

- ✿ The Directive of the European Parliament and the Council No. 2006/95/EC dated 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.
- ✿ The Directive of the European Parliament and the Council No. 2004/108/EC dated 15 December 2004 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility and repealing Directive No. 89/336/EEC.
- ✿ The Directive of the European Parliament and the Council No. 2006/42/EC dated 17 May 2006 on machinery, and amending Directive No. 95/16/EC.
- ✿ The Directive of the European Parliament and the Council No. 2002/95/EC dated 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- ✿ The Directive of the European Parliament and the Council No. 2005/88/EC dated 14 December 2005 amending Directive No. 2000/14/EC on the harmonisation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

and standards:

- ✿ EN 60745-1:2009+A11
- ✿ EN 60745-2-5:2010
- ✿ EN 55014-1:2006+A1+A2
- ✿ EN 55014-2:1997+A1+A2
- ✿ EN 61000-3-2:2006+A1+A2
- ✿ EN 61000-3-3:2013

CE Certification: 14

FAST ČR, a.s. is authorised to act on behalf of the manufacturer.

Manufacturer:

FAST ČR, a.s.
Černokostelecká 2111, 100 00 Praha 10, Czech Republic
Tax ID:: CZ26726548

In Prague, 30 Sept 2015

Name: Zdeněk Pech
Chairman of Board

FAST FAST ČR, a.s.
Černokostelecká 1621, 251 01 Píseňany
IČO: 26726548 tel.: +420/ 323 204 111
DIČ: CZ26726548 fax: +420/ 323 204 110

Pec

Signature and stamps:

9. TECHNICAL DATA

Twin Blades Cutter:	
Power supply	230V/50Hz
Power input	1050W
Speed	5500 min ⁻¹
Protection class	II
Blade Diameter:	125mm
Cutting Depth:	31mm
Level of acoustic pressure	97.5dB, K = 3dB
Level of acoustic power	108.5dB, K = 3dB
Vibration:	ah.D1 = 2.232 ms ⁻² , K = 1.5 ms ⁻²

Instructions Manual - language version only.

Amendments to text and technical parameters are reserved.

Changes in the text, design and technical specifications may change without prior notice and we reserve the right to make these changes. keep it from turning as the drill bit rotates.

10. LIQUIDATION

INSTRUCTIONS AND INFORMATION ON DISPOSAL OF USED PACKAGING.

Put any used package material to the place determined by the municipality for waste disposal.

DISPOSAL OF USED ELECTRIC AND ELECTRONIC EQUIPMENT



This symbol on products or accompanying documents means that used electric or electronic products must not be put to ordinary municipal waste. Hand over such products to determined collection points for proper disposal, restoration and recycling. Alternatively, in some countries of the European Union or other European countries you can return your products to your local dealer when you buy an equivalent new product. By dutiful disposal of this product you can preserve precious natural resources and you help prevent any potential adverse effects on the environment and human health which could be the results of wrong waste disposal. Ask your local authority or the nearest collection point for additional details. In case of improper disposal of this waste kind penalties can be imposed in accordance with national regulations.

For companies in the European Union countries

Should you want to dispose of electric and electronic devices, ask your dealer or vendor for necessary information. Disposal in other countries outside the European Union. Should you want to dispose of this product, ask your local authorities or your dealer for necessary information about disposal method.



This product fulfils all basic requirements of the EU directives that apply to it.

Text, design and technical specifications can change without prior notice and we reserve the right for their change.