User Manual

FERREX®

20 V LI-ION CORDLESS JIGSAW

MANUAL DEVELOPED IN GERMANY
hanse control
myhansecontrol.com
User-friendly Manual
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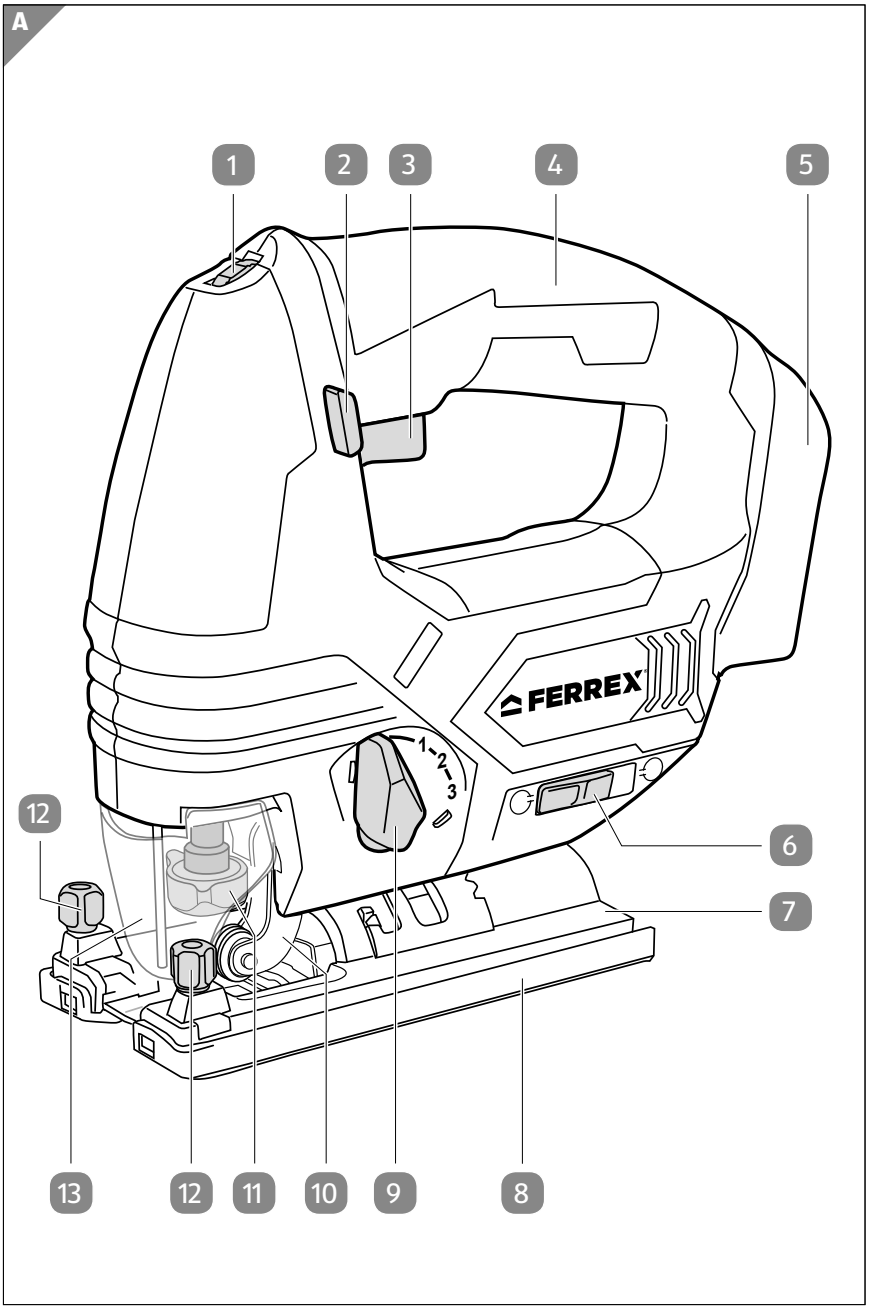
Original instructions

Contents

Package contents



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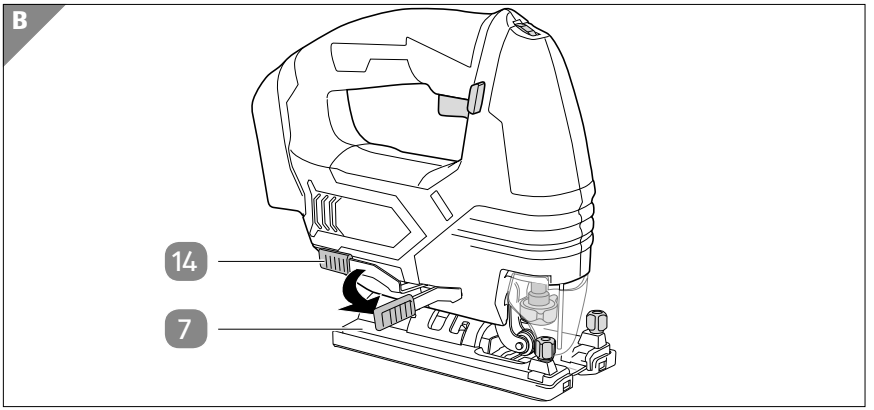
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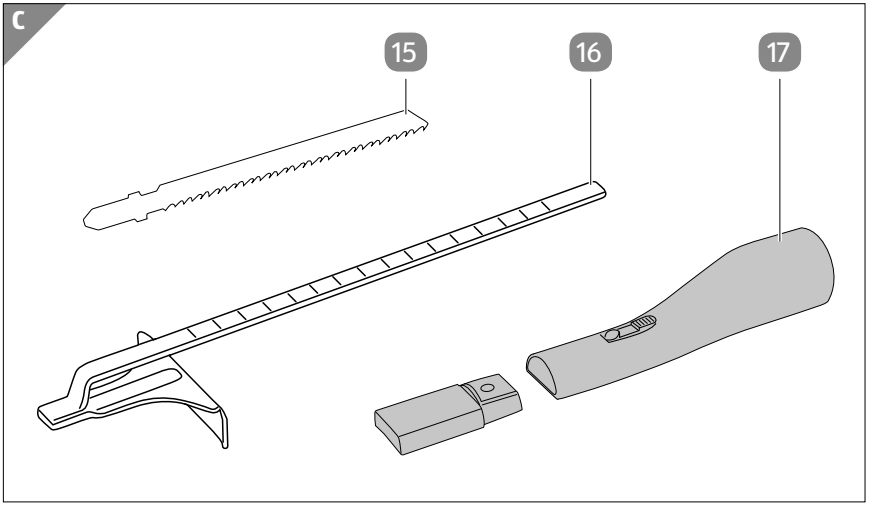
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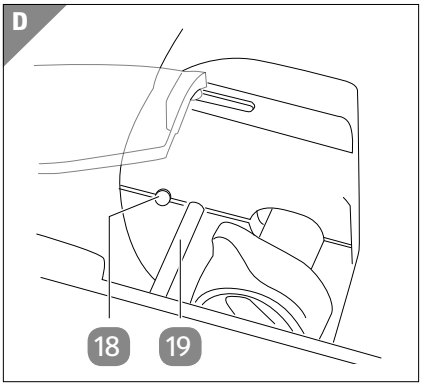
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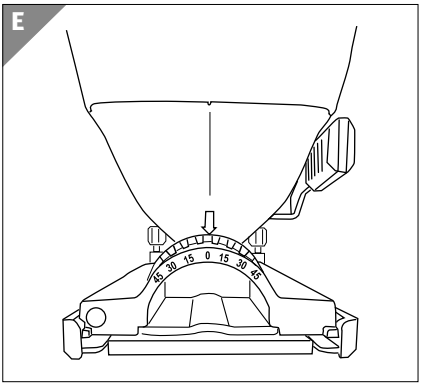
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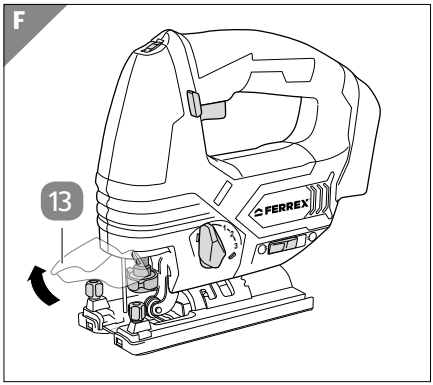

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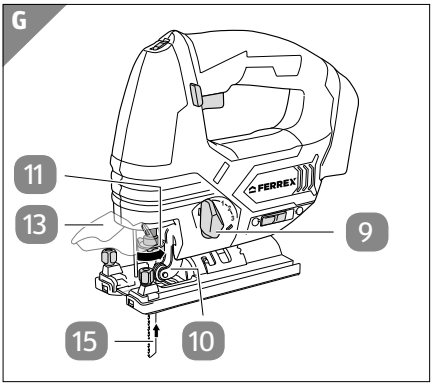

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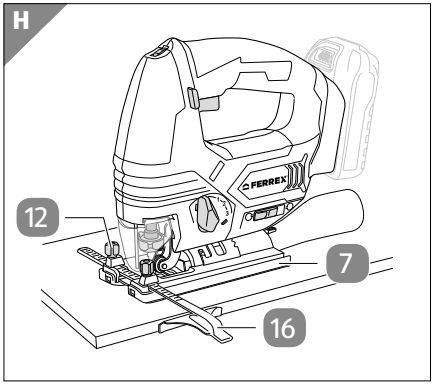

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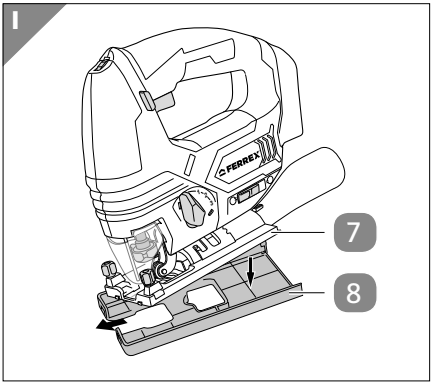

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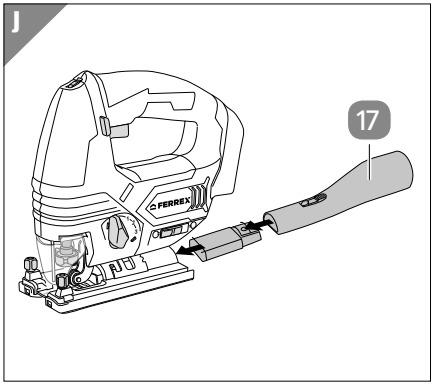

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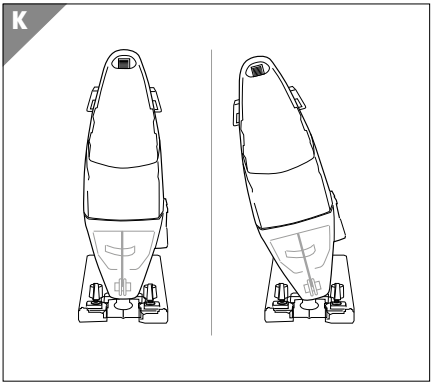


Components

1. Dial for the stroke rate control
2. Locking key for On/Off switch
3. On/Off switch
4. Handle
5. Battery holder
6. Sliding switch for dust blower function
7. Saw shoe
8. Sliding shoe
9. Pendulum stroke adjustment
10. Guide roller
11. Saw blade holder
12. Locking screws (Parallel guide)
13. Protective cover
14. Locking lever for saw shoe
15. Saw blade
16. Parallel guide
17. Adapter for shaving/chip extraction system
18. LED light
19. Directional guide

General information

Reading and storing the user manual

This user manual accompanies this 20 V Li-ion cordless Jigsaw (referred to below only as the 'product'). It contains important information on safety, usage and care.

Before using the product, read the user manual carefully. Pay particular attention to the safety instructions and warnings. Failure to comply with the instructions in this user manual may result in severe injury or damage to the product.

You must comply with applicable local or national regulations concerning the use of this product. Keep this user manual in a safe place for future reference. Make sure to include this user manual when passing the product on to third parties.

This user manual can be downloaded in PDF format from our website at www.conmetallmeister.de.

Explanation of symbols

The following symbols are used in this user manual, on the product or on the packaging.

This symbol provides you with useful supplementary information on assembly or use.

Declaration of conformity (see chapter 'Declaration of conformity'): Products marked with this symbol meet all applicable Community regulations for the European Economic Area.

Read the user manual.

Wear protective goggles.

Wear a dust mask.

Wear ear protection.

Wear suitable secure footwear.

Wear suitable protective gloves.

Safety

Explanation of notes

The following symbols and signal words are used in this user manual.

WARNING!	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
CAUTION!	Designates a dangerous situation that may result in minor or moderate injury if not avoided.
NOTICE!	Warns of possible damage to property.

Proper use

The product is only suitable for private use – such as for hobbies or do-it-yourself work – when undertaking the following:

- for cutting wood, metal, plastic,
- for straight cuts and cutting at angles (only for wood and plastics) with a mitre of 15°, 30° and a max. of 45°.

Any other applications are expressly prohibited and are deemed improper use.

This product does not come with a rechargeable battery or charger. These must be bought separately: The product can be operated with the 20 V rechargeable battery or with the 20/40 V rechargeable battery available from Activ Energy®. Only use the rechargeable batteries specified in the chapter 'Technical data' for the product. Do not operate the product with rechargeable batteries from other manufacturers.

Neither the manufacturer nor the retailer can accept any responsibility for injury, loss or damage caused by misuse of this product of any kind. Examples of misuse are given in the following non-exhaustive list:

- using the product for other purposes other than those intended;
- failure to observe the safety instructions and warnings as well as the assembly, operating, maintenance and cleaning instructions contained in this user manual;

- failure to comply with any regulations relating to accident prevention, occupational health or safety, which specifically and/or generally apply to the use of the product;
- use of accessories and spare parts not intended for the product;
- changes to the product;
- product repairs performed by parties other than the manufacturer or a qualified professional;
- use of the product for commercial, artisan or industrial purposes;
- operation or maintenance of the product by persons not familiar with how to handle the product and/or who are not aware of the related risks.

Residual risks

Despite proper use, inconspicuous residual risks cannot be completely ruled out.

The following risks may arise due to the design of the product:

- touching the exposed areas of the saw blade (cut injury);
- reaching into the rotating saw blade (cut injury);
- kickback of the work piece and parts of the work piece if used improperly;
- contact with projectile fragments of the saw blade in the event of breakage (cut injury);
- loss of hearing if the required ear protection is not worn when working with the device (hearing loss);
- contact with electrical current due to a defective or cut supply cable, motor housing (electrical shock);
- emission of wood dust (injury to health);
- injury to health attributed to hand and arm vibration if the saw is not guided in a controlled manner and maintained properly.

General safety notes for power tools

⚠ WARNING Read all the safety notes, instructions, illustrations and technical details supplied with this power tool. Failure to follow the safety notices and instructions may result in an electric shock, fire and/or severe injury.

Keep all safety notes and instructions for future reference.

The term "power tool" used in the safety instructions refers to mains-operated power tools (corded) and battery-powered power tools (cordless).

Work place safety

a) **Keep your work area clean and well lit.** *Cluttered or dark areas invite accidents.*

b) **Do not work with the power tool in areas with a risk of explosion where flammable liquids, gases or dusts are present.** *Power tools create sparks which may ignite the dust or fumes.*

c) **Keep children and other persons away from the power tool while you are using it.** *If you are distracted, you could lose control of the power tool.*

d) *This jigsaw is not intended to be used by children or persons with impaired physical, sensory or mental abilities or those without sufficient experience or knowledge.*

Electrical safety

a) **The connector plug for the power tool must fit in the socket. The plug must not be modified in any way. Do not use any adapter plugs in combination with power tools with protective earthing.** *Unmodified plugs and matching outlets will reduce the risk of electric shock.*

b) **Avoid body contact with earthed surfaces like pipes, heaters, stoves and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*

c) **Keep power tools away from rain or moisture.** *Water entering a power tool will increase the risk of electric shock.*

d) **Do not use the cord for improper purposes such as for carrying the power tool, for hanging it up or for pulling or unplugging it from the socket. Keep cord away from heat, oil, sharp edges and moving parts.** *Damaged or entangled cords increase the risk of electric shock.*

e) **When operating a power tool outdoors, use only extension cords that are suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f) **If operating the power tool in a damp environment cannot be avoided, use a RCD.** *Use of an RCD reduces the risk of electric shock.*

Safety of persons

a) **Be careful, pay attention to what you are doing and approach work with a power tool in a reasonable manner. Do not use**

any power tool if 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.*

b) **Wear personal protective gear and always wear safety glasses.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

c) **Avoid accidentally activating the device. Make sure that the power tool is turned off before you connect it to the power supply and/or the rechargeable battery, pick it up or carry it.** *Carrying power tools with your finger on the switch or connecting the power tool to a power supply while the switch is set to "on" may lead to accidents.*

d) **Remove all adjusting tools or spanners before you switch the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

e) **Avoid an abnormal posture. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

f) **Wear suitable clothing. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*

g) **If there is an option for installing dust suction devices and dust containers, these should be attached and used correctly.** *Use of dust collection can reduce dust-related hazards.*

h) **Do not be lulled into a false sense of security and ignore the safety rules for power tools, even if you are well acquainted with power tools, having used them frequently.** *Using power tools without due care and attention can cause serious injuries in a split second.*

Using and handling the power tool

a) **Do not overload the power tool. Use the right power tool for your work.** The correct power tool will do the job better and safer at the rate for which it was designed.

b) **Do not use a power tool if its switch is defective.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) **Disconnect the plug from the power source and/or remove the rechargeable battery from the power tool before making any adjustments, changing insertion tools or storing the power tool.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **Keep unused power tools out of the reach of children. Do not let any individual who is not familiar with the power tool or who has not read these instructions operate this power tool.** Power tools are dangerous in the hands of untrained users.

e) **Maintain power tools and insertion tools with care. Check to make sure that the moving parts are functioning properly and not stuck, whether parts are broken or damaged so as to affect the function of the power tool. If any parts of the power tool are damaged, have them repaired before use.** Many accidents are caused by poorly maintained power tools.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the power tool, accessories, insertion tools etc. in accordance with these instructions. At the same time, consider the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

h) **Keep handles and handle surfaces dry, clean and free from oil and grease.** Slippery handles and handle surfaces will prevent you from operating and controlling the power tools safely in unforeseen situations.

Cordless tool use and care

a) **Only charge the rechargeable batteries with chargers recommended by the manufacturer.** *Chargers designed for a particular rechargeable battery type pose a risk of fire if used with other types of rechargeable battery.*

b) **Only use the rechargeable batteries designated for use in power tools.** *Using other rechargeable batteries may result in injury and a risk of fire.*

c) **Keep the unused rechargeable battery away from paper clips, coins, keys, nails, screws or other small metallic objects that could bridge the contacts.** *A short circuit between the contacts of the rechargeable battery could result in burns or fire.*

d) **If used improperly, liquid may leak out of the rechargeable battery. Avoid coming into contact with it. Rinse with water in the event of accidental contact. If liquid comes into contact with your eyes, also seek medical attention.** *Fluid leaked from the rechargeable battery may cause skin irritations or burns.*

e) **Do not use a damaged or modified rechargeable battery.** *Damaged or modified rechargeable batteries can be unpredictable and may result in fire, an explosion or a risk of injury.*

f) **Do not expose a rechargeable battery to fire or excessively high temperatures.** *Fire or temperatures above 130 °C may cause an explosion.*

g) **Carefully follow all instructions for charging the battery and never charge the battery or cordless tool outside of the temperature range indicated in the instructions.** *Improper charging or charging outside of the permitted temperature range may damage the battery and increase the risk of fire.*

Service

a) **Only have your power tool repaired by a qualified professional and only with original spare parts.** *This will ensure that the safety of the power tool is maintained.*

b) **Never perform maintenance on damaged rechargeable batteries.** *Only the manufacturer or authorised service companies may perform maintenance on rechargeable batteries.*

Safety instructions for saws

a) **Hold the power tool by the insulated handle surfaces when performing work where there is a risk of the tool in use coming into contact with hidden power supply lines.** *Cutting accessory contacting a 'live' wire may make exposed metal parts of the power tool 'live' and could give the operator an electric shock.*

b) **Fasten and secure the workpiece to a stable surface using clamps or in another manner.** *If you only hold onto the workpiece with your hand or put it against your body, it will remain unstable and could lead to loss of control.*

Preparation

WARNING!

Choking hazard!

Do not allow children to play with the packaging material. Children may get caught in it when playing and suffocate.

– Keep children away from the packaging material.

1. Remove the packaging material and all protective foils.
2. Check whether the product or the individual parts are damaged.
   If this is the case, do not use the product. Contact the manufacturer at the service address specified on the warranty card.
3. Check to make sure that all parts are included (see **Fig. A, B,** and **C**).

Protective cover

CAUTION!

Risk of injury!

Improperly handling the product and saw blades may result in severe injury.

– The protective cover must always be attached when making cuts.
  The protective cover must be opened for 45° cuts.

– Remove the protective cover for cleaning purposes only.

The protective cover 13 protects you against accidentally coming into contact with the saw 15, but still lets you see the cutting area.

– Upon installing the protective cover, make sure that the retaining collars on both sides of the protective cover are positioned in the corresponding recesses on the device.

– The protective cover can be opened upwards (see **Fig. F**).

– To remove the protective cover, carefully separate the opened protective cover on both sides and pull the protective cover downwards.

Attaching the sliding shoe

1. Push the product and both retaining collars into the two recesses on the sliding shoe 8 (see **Fig. I**).
2. Push the product downwards until the sliding shoe's rear retaining collars click into place.
3. To remove the sliding shoe from the saw shoe, separate the retaining collars at the rear end of the sliding shoe and pull it downwards.

Inserting/changing the saw blade

CAUTION!

Risk of injury!

Improperly handling the product and saw blades may result in severe injury.

- Only change the saw blades when the saw has come to a stop and the rechargeable battery has been removed.
- Only touch the saw blade with protective gloves.
- Only use saw blades with a T-shaft, see the saw blade provided, and pay attention to the saw blade thickness that must be complied with. Other saw blades could come out of the saw blade holder during operation.
- Pay attention to the material which is being machined when selecting the saw blade. The saw blade length must be at least equal to the material thickness plus 20 mm.

This product has a quick-change system so that you can insert or change the saw blade without using other tools.

1. Set the pendulum stroke adjustment 9 to the 0 position (see **Fig. G**).
2. Open the protective cover 13 upwards.
3. Turn the saw blade holder 11 in the arrow's direction (see **Fig. G**) and insert the saw blade into the saw blade holder as far as it will go.
   The teeth of the saw blade should be facing forward.
4. Let the saw blade holder slide back in position.
   Make sure that the saw blade is firmly secured in the saw blade holder.
5. Close the protective cover downwards once again.
   Make sure that the saw blade is firmly secured in the guide roller 10.

The saw blade is removed in reverse order. Hold the saw blade firmly so that spring pressure does not cause it to jump out.

Adjusting the saw shoe for mitre cuts

CAUTION!

Risk of injury!

Improper handling of the product can lead to severe injury.

- Never saw with a saw shoe which hasn't been secured.
- Before sawing, always make sure that the saw blade's locking lever is pushed firmly back.
- Do not saw any curves in mitre cuts.

NOTICE!

Risk of damage!

Improper handling of the product can damage the product.

- The protective cover must be opened upwards for mitre cuts.

1. Release the locking lever for the saw shoe 14 by pushing it towards the saw blade 15 to the position 🔓 (see **Fig. B**).
2. Slide the shoe slightly backwards.
   The saw shoe can now be tilted up to 45° to the left or right (see **Fig. K**).
3. Slide the shoe slightly forward in order to lock it again.
4. Attach the locking lever for the saw shoe by pushing it to the position 🔒.

If the saw shoe is pushed backwards, it only works in the locking positions at 0°, 15°, 30° and 45°, which are marked on the saw shoe scale (see **Fig. E**).

Put the saw shoe in the appropriate position and tighten the locking lever by pushing it backwards to the position 🔒.
For right- or left-angled mitre cuts, the protective cover 13 must be lifted upward towards the front and the adapter for the shaving/chip extraction system 17 must be removed.

Dust blower function

A vacuum cleaner cannot be used to suck up shavings/chips when the dust blower function is switched on.

- In order to switch on the dust blower function, move the slider for the dust blower function 6 towards the right, in the direction of the rechargeable battery (not included in the package contents).
- In order to switch off the dust blower function, move the slider towards the left, in the direction of the saw blade.

Attaching the shaving/chip extraction system

Make sure that the dust blower function is switched off when you use a vacuum cleaner.

- To switch off the dust blower function, move the slider for the dust blower function 6 to the front of the saw or towards the pendulum stroke adjustment 9.

Guide the adapter for the shaving/chip extraction system 17 into the recesses on the rear part of the saw shoe 7 (see **Fig. J**).
The adapter for the shaving/chip extraction system must audibly click into place so that it is firmly positioned in the saw shoe.

1. Attach the vacuum cleaner's suction hose onto the shaving/chip extraction system's round opening. Make sure the devices are connected airtight.
2. To detach the adapter for the shaving/chip extraction system, press the button on the adapter for the shaving/chip extraction system and pull it out of the saw shoe 7.

- The adapter cannot be used if the saw shoe is set at an angle greater than 15 degrees.
- A vacuum cleaner cannot be used to suck up shavings/chips when the dust blower function is activated.

Attaching the parallel guide

- The parallel guide can be attached to both sides of the saw blade. The parallel guide makes it possible to make a straight cut parallel to the workpiece's stop edge.
- You can always saw without a parallel guide. Using a parallel guide is not absolutely necessary.

1. Loosen both locking screws 12 on the saw shoe 7 (see **Fig. H**).
2. Guide the parallel guide 16 into the holder on the saw shoe.
3. Adjust the distance by positioning the desired number of centimetres on the parallel guide above the red line 20 (see **Fig. 1**).
4. Tighten the locking screws.

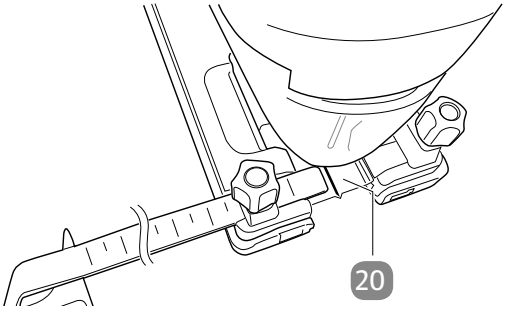


Fig. 1

Using the rechargeable battery

WARNING!

Risk of injury!

Incorrect use of the rechargeable battery and charger can cause injury.

- This product does not come supplied with a battery. Only use the rechargeable batteries specified in the chapter 'Technical data' for the product. Do not operate the product with rechargeable batteries from other manufacturers.
- Read and follow the instructions in the user manual for the battery pack and charger used.
- Remove the rechargeable battery from the product when you are not using it, when you are checking it, when you are changing the saw blade, cleaning it or putting it in storage.

Charging the rechargeable battery

– To charge the battery, follow the instructions described in the user manual for the battery pack and charger used.

Inserting and removing the rechargeable battery

– To insert the rechargeable battery, slide it into the battery holder 5. The rechargeable battery will audibly lock into place (see **Fig. A**).
– To remove the rechargeable battery, press the battery release button on the rechargeable battery and remove it from the battery holder.

Operation

NOTICE!

Risk of damage!

Improper handling of the product, saw blade and workpiece can damage the product.

– Clean the product (housing, vents and moving parts) regularly to remove dust and chips/shavings.
– Use a saw blade that suits the respective workpiece (wood, metal or plastic).
– When cutting metal, use oil as a coolant and lubricant.
– Use a little pressure to push the saw slightly forward in order to avoid overheating and destroying the saw blade.
– When sawing, press the saw shoe firmly against the workpiece.
– Place thin workpieces on an additional plate to dampen vibrations and improve the cutting result.
– Perform plunge cuts to process soft work pieces only.
– Secure the work piece to prevent it from moving while processing.

Setting the stroke rate

You can continuously adjust the stroke rate for the saw blade depending on the work piece material.

– Move the dial for the stroke rate control 1 to the desired stroke rate.

Level	Stroke rate
1-2	low stroke rate
3-4	medium stroke rate
5-6	high stroke rate

- The stroke rate should be high enough to make smooth cuts in the material.
- When sawing hard materials, you should select a lower stroke rate and a saw blade with fine toothing.

- When sawing soft materials, you should select a higher stroke rate and a saw blade with coarser teeth.
- The motor could overheat when cutting at the lowest stroke rate for a prolonged period of time. For this reason, take frequent work breaks of approx. 15 minutes so that the motor can cool down.

Setting the pendulum stroke

You can adjust the cutting speed, cutting performance and cutting pattern to the workpiece to be machined.

The pendulum stroke adjustment 9 allows you to adjust how strongly the saw blade's 15 pendulum moves for the stroke.

– Set the pendulum stroke adjustment to one of the following positions:

- **Position 0** = no pendulum movement
- **Material**: Aluminium, steel
- **Notice**: For fine and cleanly cut edges, thin materials (e.g. as sheets) and hard materials.

- **Position 1** = small pendulum movement
- **Material**: Plastics, wood, aluminium
- **Notice**: For hard materials

- **Position 2** = mid-size pendulum movement
- **Material**: Wood

- **Position 3** = large pendulum movement
- **Material**: Wood
- **Notice**: For soft materials and sawing in the direction of the grain

The best stroke rate setting and pendulum stroke adjustment combination depends on the material to be machined. For determining the ideal setting, we recommend that you always carry out a sample cut using a scrap piece.

Switching the product on and off

The LED light 18 makes it possible to additionally illuminate the cut surface. The LED light automatically illuminates as soon as you press the On/Off switch 3.

1. Insert the rechargeable battery (not included in the product contents)
2. Press the locking key 2 for the On/Off switch 3.
   The locking key can be released once switched on.
3. To switch the saw off, let go of the On/Off switch.

Sawing

WARNING!

Risk of injury!

Improper handling may result in severe injury.

- Only switch on the product with the installed saw blade.
- Only use saw blades in perfect working order.
- Immediately replace any dull, bent or cracked saw blades.
- Do not saw any curves in mitre cuts.
- Do not saw any curves in metal (exception: copper sheets).

- We recommend a narrow saw blade, which is especially designed for cutting curves.
- First, draw a line on the workpiece that you can use as a guide. The red line between the two locking screws (see **Fig. 1**) allows you to guide the saw along the line you have drawn and to precisely cut the workpiece.

1. Lay the saw shoe 7 flat on the workpiece to be machined. Switch the product on (see chapter 'Switching the product on and off')
2. Let the saw blade 15 warm up until it has read full speed.
3. Move the saw slowly forward towards the desired cutting line.
4. Slowly guide the saw blade along the cutting line.

In doing so, only apply light pressure to the saw blade.
Cover the cutting line with a suitable coolant when cutting metal.
Make sure to pay attention to the maximum material thickness to be machined:

- Wood: 80 mm
- Plastic: 12 mm
- Metal: 5 mm

Sawing out sections

– Use a drill to bore a 10 mm hole in the section to be sawn out. Insert the saw blade 15 into this hole and begin to saw out the desired section.

Performing plunge cuts

Plunge cutting is necessary if it the starting position is not located on the edge of a work piece or if no hole has been drilled in advance. If a hole is drilled in advance, it must be large enough to carry the saw blade. In this case, you can proceed as described in the chapter section “Sawing”.
Proceed as follows for a plunge cut:

1. Switch the product on (see chapter ‘Switching product on and off’)
2. Place the product on the saw shoe’s rounded front edge 7.
3. Slowly lower the saw blade until it touches the workpiece.
4. Slowly let the saw blade 15 cut into the workpiece, without applying pressure.
5. As soon as the saw blade comes out on the other side of the workpiece, switch the product off (see chapter ‘Switching the product on and off’).
6. Lift the product and, at the same time, carefully pull the saw blade out.
7. Insert the saw blade in the cut you just made, but this time with the product in the normal position (the saw shoe is securely resting on the workpiece and is in full contact with it).
8. Switch the product on and continue cutting.

Troubleshooting

Problem	Possible cause	Solution
Device does not work	The rechargeable battery is not inserted.	Insert the rechargeable battery.
The saw's cutting power is poor.	The saw blade is dull.	Have the saw blade sharpened or replace it with a new one.
The cuts are imprecise.	The angle settings have changed.	Readjust the angles.

Cleaning and maintenance

WARNING!

Risk of injury!

Accidentally starting the product may result in severe injury.

- Take the rechargeable battery out of the product before cleaning or performing any maintenance on it.
- Wear suitable protective gloves.

NOTICE!

Risk of damage!

Water or other liquids that have penetrated the housing may cause a short circuit.

- Never submerge the product in water or other liquids.
- Make sure that no water or other liquids penetrate the housing.

NOTICE!

Risk of damage!

Improper handling of the product can damage the product.

- Do not use any aggressive cleaners, brushes with metal or nylon bristles, sharp or metallic cleaning utensils such as knives, hard scrapers or similar. They could damage the surfaces.

Cleaning

- Use a soft cloth or brush to clean the housing.
- Clean the LED light 18 with a soft, dry brush.
- Clean the vents and area around the saw blade holder 11.
- Remove dust or chips by blowing them out with compressed air.
- Remove any stubborn dirt with a damp cloth and a mild cleaner if necessary.

Checking and maintaining the product

- Check the condition of the product regularly. Among other things, check to make sure:
  - that the switch 2/3/6, sliding shoe 8 and guide roller 10 are not damaged,
  - that the accessories are in proper condition,
  - the vents are unobstructed and clean. If applicable, use a soft brush to clean them.
- **If you identify any damage, you must have it repaired by a specialist workshop to avoid potential danger.**
- Perform product maintenance regularly to ensure that the product is in proper condition. For this, keep the outside of the saw clean so that all moving parts can be moved smoothly and without any unnecessary wear. Lubricate the guide roller 10 regularly.

Storage

1. Clean the product thoroughly prior to storage (see chapter 'Cleaning and maintenance').
2. If possible, store the clean product and accessories in the original packaging, at a storage temperature ranging between 5°C and 20°C (room temperature), and in a place which is not accessible for children nor exposed to heat.

Transport

- If possible, use the original packaging for transport.
- Before transport, remove the saw blade 15 and store it safely.

Replacing the carbon brushes

- If excessive sparking occurs, have the carbon brushes checked by a qualified electrician.
- The carbon brushes may only be replaced by a specialist workshop or by qualified specialists.

Technical data

Article number:	98760
Model:	FAPS 20-I
Model number:	WU5420153/WU5420154
Motor voltage supply:	20 V ⎓
Stroke rate:	500–3,000 min^{-1}
Stroke height:	20 mm
Cutting depth wood:	80 mm
Mitre cuts:	15°, 30°, 45° (left and right)
Operating temperature:	4°C to 40°C

Rechargeable battery and charger information

Use the product only with Activ Energy® batteries and chargers with the following technical specifications:

Suitable for Activ Energy®

Rechargeable battery type:	20 V ⎓ / 2.0 Ah / 36 Wh/ Li-Ion
Models:	AEB 20-2.0I / AEB 20-2.0N / XYZ561
Charging time:	approx. 45 min.
Rechargeable battery type:	20 V ⎓ /2.5 Ah (×2)/ 90 Wh/ Li-Ion
Models:	AEB 2040-2.5I / AEB 2040-2.5N / XYZ562
Charging time:	approx. 95 min.
Charger type:	21 V ⎓/ 4.0 A
Models:	AEC 20-4.0Ia / AEC 20-4.0Ic / AEC 20-4.0Na /XYZ563

Please see the technical specifications for the rechargeable battery and charger. Rechargeable batteries and chargers are separately available in your Aldi store.

Noise/vibration information

WARNING!

Health hazard!

Working without ear protection and suitable protective clothing poses a health hazard.

– Wear ear protection and suitable protective clothing when working with the device.

WARNING!

The vibration and noise emission values may differ from the level specified while actually using the power tool.

This depends on the manner in which the power tool is used, in particular which type of workpiece is being machined.

The specified vibration total values and the specified noise emission values have been measured on the basis of a standardised test procedure and can be used to compare power tools with one another.

The specified vibration total values and the specified noise emission values can be used for a provisional impact assessment.

Measured in accordance with DIN EN 62841-1-1 and DIN EN 62841-2-11. The noise at your workplace may exceed 85 dB(A); protective measures are necessary in this case (wear suitable ear protection).

- Sound pressure level L_{pA}: 84 dB(A)
- Uncertainty K_{pA}: 5 dB(A)
- Sound power level L_{WA}: 91 dB(A)
- Uncertainty K_{WA}: 5 dB(A)

The aforementioned values are noise emission values and therefore do not necessarily represent safe values for the workplace. The correlation between emission and imission levels cannot reliably provide for a conclusion as to whether additional precautionary measures are necessary or not.

Factors that could affect the respective emission level present at the workplace involve the specification of the work area, the surrounding area, the duration of exposure, other noise sources, etc.

You must also observe any divergences in national regulations with respect to the permissible workplace levels. The aforementioned information does, however, allow the user to better assess dangers and risks.

Cutting chipboard	• Vibration level $a_{h,B}$	9.1 m/s²
	• Uncertainty $K_{h,B}$	1.5 m/s²
Sawing sheet metal	• Vibration level $a_{h,M}$	7.2 m/s²
	• Uncertainty $K_{h,M}$	1.5 m/s²

WARNING!

The above vibration emission level (vibration value) has been measured in accordance with a test method standardised in EN 62841-1 and EN 62841-2-11 and can be used to compare one power tool with another. It is also suited for a preliminary estimation of the impact due to vibration. The actual vibration emission value can, as described below, differ by type of application:

- Condition of the product and proper maintenance respectively,
- The type of material and use of the product,
- Use of the right accessories and whether they are in good condition,
- A firm grip on the product by the user,
- Proper use of the product as described in this user manual.

Any improper use of the product can cause vibration-related ailments.

WARNING!

Depending on how the tool is used and the operating conditions, the following safety precautions must be taken to protect the user:

- Avoid exposure to vibrations as much as possible.
- Only use accessories in perfect working order.
- Wear vibration-proof gloves when using the product.
- Maintain and service the product in accordance with this user manual.
- Avoid using the product at temperatures below 10°C.
- Plan your work steps to avoid working with heavy vibration tools over several days.

Disposal

Disposing of the packaging

Dispose of the packaging separated into single type materials. Dispose of paperboard and cardboard with wastepaper and plastics with recyclable waste.

Disposing of the product

– Dispose of the product in accordance with the applicable disposal regulations for your country.

Old devices must not be disposed of with household waste!
This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and electronic equipment (WEEE). This product must be handed in at a collection point intended for the purpose. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Owing to potentially hazardous substances that are frequently contained in waste electronic equipment, incorrect handling of waste equipment may have a negative impact on the environment and on the health of human beings. By disposing of this product correctly, you are also contributing towards an efficient use of natural resources. Information on collecting points for waste equipment can be obtained from your municipal authorities, the public law disposal authorities, an authorised institution for the disposal of waste electrical and electronic equipment or the waste collection services.

Declaration of conformity

GB IE

Conmetall Meister GmbH
Oberkamper Straße 37 - 39
42349 Wuppertal
Germany

CE

EC Declaration of Conformity

We declare with sole responsibility, that the product listed below …

20 V LI-ION CORDLESS JIGSAW FAPS 20-I

FERREX®

WU5420153/5420154 • 98760 • 10/2019

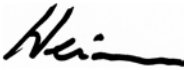
… meets all of the requirements of the listed directives.

2011/65/EU (RoHS)
2006/42/EC (MD)
2014/30/EU (EMC)

Applied, harmonized standards:

EN 62841-1:2015
EN 62841-2-11:2016
EN 55014-1:2017
EN 55014-2:2015
EN 50581:2012

Wuppertal,…….18.03.2019



Ingo Heimann (M.Sc.)
Technical direction/Product development
Conmetall Meister GmbH · Oberkamper Straße 37 - 39 · 42349 Wuppertal · Germany
Authorized person for storing the technical documentation.

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly.
In the event of product failure within its intended use over the course of the first 3 years after date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product, please contact us via our helpline support services, details of which are to be found both in this manual and on the product itself.

GB IE

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FAPS 20-I / WU5420153/WU5420154 10/2019

3 YEAR WARRANTY