

FEIDER

MACHINES

CORDLESS IMPACT DRIVER

FBAC20V400

INSTRUCTIONS MANUAL



WARNING: READ THE FOLLOWING INSTRUCTIONS BEFORE USE THIS MACHINE

BUILDER
32, rue Aristide Bergès - ZI 31270 Cugnaux – France
MADE IN PRC



1. GENERAL POWER TOOL SAFETY WARNINGS

 **WARNING** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **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.*
- b) **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.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **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.*
- e) **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.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **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.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*

- d) **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.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. 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 devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **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.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *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 battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools 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.

- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool 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 and tool bits etc. in accordance with these instructions, taking into account 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 grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*

d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.**

e) **Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.**

f) **Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.**

g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.**

6) Service

a) **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.**

b) **Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.**

Safety instructions for all operations

a) **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live"**

wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Additional instructions

- Before removing the impact wrench, make sure that all moving parts have stopped.
- Avoid stalling frequently when wrenching as this may damage the batteries.
- Load the battery of the impact wrench only with the appropriate charger.
- The charger and impact wrench must be protected against moisture!
- In order to protect the batteries from damage, never expose them to temperatures above 50 °C.
- **Warning: Do not short-circuit the battery or charger.**

2. Product description



1. ..1/2 " anvil
2. ..Forward/Reverse switch
3. ..Hand grip
4. ..Belt clip attachment
5. ..Li-ion battery (Not included)
6. ..Battery release catch
7. ..On/Off trigger switch

IMPORTANT!

This tool is provided without battery and battery charger. Please buy a battery pack

(battery + charger) from the same trademark of this impact wrench. The recommended

product is: 20V LITHIUM ION BATTERY CHARGER in FEIDER BRAND. Do not use non recommended battery.

Couplers are not provided with this tool. You can buy 1/2 square coupler to use with this tool.

For more information, ask advice to your retailer.

3. Technical data

Voltage..... 20Vd.c.

Torquemax 400Nm

Coupler1/2 in.(6.35mm)

No load speed..... 0-2200/min

Sound power level95dB(A), K= 3dB(A)

Sound pressure level84dB(A) K= 3dB(A)

Vibration..... 9.09m/s² k=1.5m/
Information:

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;

The declared vibration total value may also be used in a preliminary assessment of exposure.

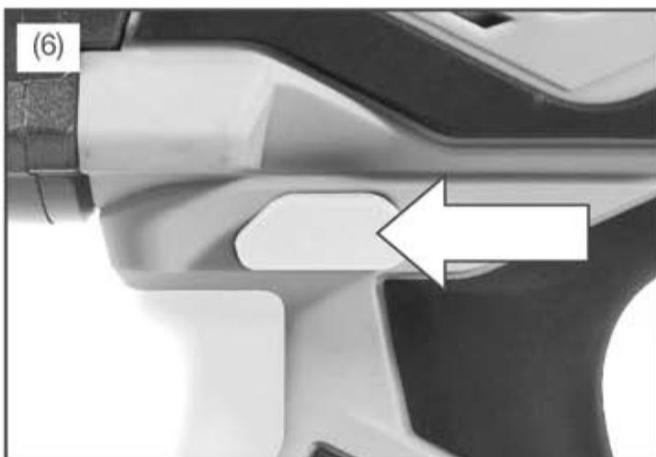
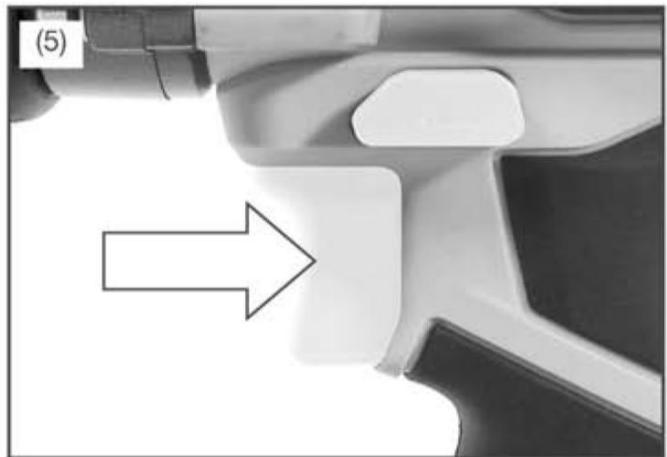
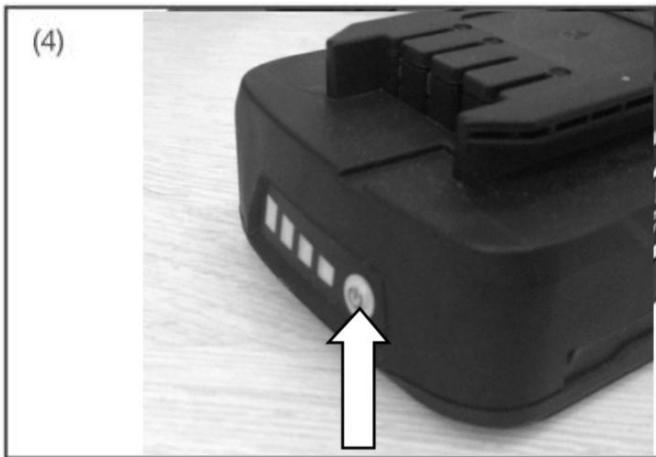
Warning:

that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and the need to identify safety measures to protect the operator that are based on an

estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection.

4. ASSEMBLY & OPERATING



a. Charging (Charger and battery not included in this model, suggest to use battery and charger in Feider brand)

- 1) Take the battery pack out of the equipment. Do this by pressing the push lock button.
- 2) Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Insert the power plug of the charger into the socket outlet. The RED LED will then begin to light.

3) Insert the battery pack into the battery charger .then the red LED on charger will begin to Green flash light.

4) You will find a label with “Charger indicator” of the LED indicator on the charger.

The battery pack can become a little warm during the charging. This is normal.

If the battery pack fails to charge, check:

- Voltage at the power socket
- Whether there is good contact at the charging contacts.
- Whether the battery pack is warm or not. The battery protection system will not allow the battery to be charged if the battery temperature is over 40°C after use. Allow the battery pack to cool to room temperature before commencing with the charging.

If the battery pack still fails to charge, send the charging unit and the battery pack to our customer service center.

To ensure that the battery pack provides long service, you should take care to recharge it promptly. You must recharge the battery pack when you notice that the power drops. Never allow the battery pack to become fully discharged. This will cause it to develop a defect.

Battery capacity indicator (Fig 4)

Press the switch for the battery capacity indicator . The battery capacity indicator shows the charge status of the battery using 4 LEDs as following:

All 4 LEDs are lit:

The battery is fully charged.

3 LED(s) are lit:

The battery has approx. 75% remaining charge.

2 LED(s) are lit:

The battery has approx. 50% remaining charge.

1 LED is lit:

The battery will be empty soon, please recharge the battery.

Charger indicator

Indicator status	Explanations and actions
	<p>Ready for use</p> <p>The charger is connected to the mains and is ready for use; there is no battery pack in the charger.</p>
	<p>Charging</p> <p>The charger is charging the battery pack in charge mode.</p>
	<p>Battery pack is full of charge.</p> <p>Charging is finished and battery pack in the charger.</p>
	<p>The temperature of battery is too high or too low, the charger is under protection status. The charging function can be recovered after the temperature is normal.</p>
	<p>Unrecoverable battery malfunction.</p>

b. INSTALLING THE BATTERY PACK

Warning! Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, carrying, transporting or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

NOTE: To avoid serious personal injury, always remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the tool.

Slide the battery pack into the tool base, Fig.2. Make sure the battery pack snaps into place and that battery pack is secured in the tool before beginning operation. Improper installation of the battery pack can cause damage to internal components.

c. REMOVING THE BATTERY PACK

Locate the battery release catch on the top of the battery and press downwards, Fig.3. Whilst holding down the battery release catch slide the battery pack away from the tool.

d. VARIABLE SPEED CONTROL (FIG. 5)

Simply apply light pressure to the trigger to start the wrench on a slow speed. Increasing the pressure on the switch will increase the speed of the wrench.

Note: You might hear a high pitched noise from the switch during use. Do not be concerned; this is a normal part of the switch function.

e. FORWARD & REVERSE SWITCH

This feature is selected via a slide switch located above the trigger, Fig.6. To select direction of the wrench rotation simply push the button fully in on the left side for reverse rotation. To change to forward rotation push the button fully in on the right side of the handle.

Note: As a safety precaution from accidental engagement while being carried pushing the forward/reverse button into the middle or neutral position will render the wrench inoperative.

Caution: To prevent gear damage, always allow the anvil to come to a complete stop before changing the direction of rotation,

Note: The wrench will not run unless the direction of rotation selector is pushed fully to the left or right.

Avoid running the wrench at low speeds for extended periods of time. Running at low speeds under constant usage may cause the wrench to become overheated. If this occurs, cool the wrench by running it without a load and at full speed.

f. INSTALLING AND REMOVING SOCKETS

Use only sockets designed for impact wrenches, Always select the correct size impact socket for nuts and bolts. Using the wrong size socket may damage the nut or bolt and cause the fastening torque to be inaccurate or inconsistent.

Remove the battery pack.

Push the socket onto the anvil until the detent pin locks it into place, Fig.7.

To remove the socket, pull it away from the anvil.

g. INSTALLING THE BELT CLIP

Before fitting the belt clip set the forward & reverse button to the centre position or turn tool off and disconnect battery pack.

To reduce the risk of serious personal injury, do not suspend tool overhead or suspend objects from the belt hook. Only hang the tool's belt clip from a work belt.

When attaching or replacing the belt clip, use only the screw that is provided. Be sure to securely tighten the screw with a Phillips screwdriver.

The belt clip can be attached to either side of the tool using only the screw provided, to accommodate left or right handed users.

To move belt clip, remove the screw that holds the belt clip in place then reassemble on the opposite side. Be sure to securely tighten screw.

h. OPERATING THE IMPACT WRENCH

Proper fastening torque may be determined by the kind of bolt, the size of the bolt or the material or the workpiece. It is helpful to perform a test operation to determine the proper fastening time for the nut or bolt you are using. While performing the test, make note of the speed selection.

Hold the tool pointed straight at the nut or bolt.

Depress the switch and fasten for the proper fastening time.

After fastening, always check the torque with a torque wrench.

NOTE: Do not use this tool to install lug nuts on wheels without a torque limiting device. Doing so could result in galled or broken lugs.

i. IMPACT TIME

Many variables exist that will cause the available torque of the fastener to vary considerably. The optimum impact time is approximately 6 seconds.

NOTE: Using a universal joint or extension bar may reduce the fastening force of the impact wrench and require longer fastening time.

5. MAINTENANCE

WARNING! Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

This power tool normally requires no maintenance; from time to time the ventilation slots on the motor casing should be cleaned out. If the unit should become defective, repair should be performed by an authorized service agent for electric tools.

Tightening 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 clean cloths to remove dirt, dust, oil, grease. etc.

Warning! Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

6. DISPOSAL



Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

7. CE DECLARATION OF CONFORMITY



BUILDER SAS

ZI, 32 rue Aristide Bergès- 31270 Cugnaux-France

Tel: + 33 (0) 5.34.502.502 Fax: + 33 (0) 5.34.502.503

Complies with the provisions of the Directive «Machinery»2006/42/CE and national laws transposing it:

Also complies with the following European directives:

EMC DIRECTIVE 2014/30/UE

RoHS DIRECTIVE (EU)2015/863 amending 2011/65/EU

Responsible for the technical file: Mr. Olivier Patriarca

Declares that the machinery designated below:

CORDLESS IMPACT WRENCH

Model: FBAC20V400

Serial number: [20201007967-20201008266](#)

Also complies with the following standards:

EN 62841-1:2015,

EN 62841-2-2:2014

EN55014-1:2017

EN55014-2:2015

Philippe Marie/PDG

A handwritten signature in black ink, appearing to be 'Philippe Marie', written over a faint circular stamp or watermark.

Cugnaux, 21/08/2020

8. WARRANTY



WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



9. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



10. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.