



BN Products - USA, LLC

3450 Sabin Brown Road • Wickenburg, Arizona 85390
(800) 992-3833 • (928) 684-2813 • www.bnproducts.com

BNCP-100 Cordless Rivet Gun 18V Lithium-ion



Rivet Mandrel Sizes:

3/32" (2.4mm)
1/8" (3.0/3.2mm)
5/32" (4.0mm)
3/16" (5.0mm)



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The BNCP-100 Riveting Gun Safety Information and Technical Manual

Please read all of the following safety information and instructions. Failure to comply with the safety information and the instructions can lead to electric shock, fire and/or serious injuries. Please keep all safety information and instructions for future reference.

Workspace safety

- Keep your workspace clean and provide sufficient lighting. Messy or insufficiently illuminated work areas can lead to accidents.
- Do not operate the BNCP-100 Riveting Gun in an environment with risk of explosions (areas that contains flammable liquids, gases or dust). BNCP-100 Riveting Guns create sparks which can inflame the dust or the vapors.
- Keep children and other people away while operating the BNCP-100 Riveting Gun. In case of distraction you can lose control of the machine.

Electric safety

- Do not expose BNCP-100 Riveting Guns to rain or humidity. Water entering an BNCP-100 Riveting Gun increases the risk of electric shock and tool damage.

People safety

- Stay alert, be careful with your actions and use the BNCP-100 Riveting Gun in a reasonable way.
- Do not use the BNCP-100 Riveting Gun if you are tired or under the influence of alcohol, drugs or medication. A momentary inattention while using the BNCP-100 Riveting Gun can lead to serious injuries.
- Wear protective clothing and always wear protective safety glasses. Wearing protective cloth-

ing like a dust mask, skid-proof safety shoes, a protective helmet or ear protectors (depending on the conditions and requirements you use the BNCP-100 Riveting Gun for) reduces the risk of injuries.

- Remove adjusting tools and screwdrivers before switching on the BNCP-100 Riveting Gun. A tool or screwdriver placed into a rotating part of the device can lead to injuries.
- Avoid unnatural body positions. Ensure you are standing firmly and always preserve your balance. This way you can better control the BNCP-100 Riveting Gun, should an unexpected situation occur.
- Wear appropriate clothes. Do not wear large clothes or jewelry. Avoid putting your hair, clothes and gloves close to the moving parts of the device. Loose clothing, long hair and jewelry can be caught up in the moving parts.
- Make sure that the mandrel collection device is connected and used correctly.

Operation and handling of the BNCP-100 Riveting Gun

Do not overload the machine. Use the Riveting Gun that is suitable for your work. The suitable Riveting Gun allows you to work better and safer in the specified range of performance.

Do not use an BNCP-100 Riveting Gun that has a defective trigger switch. An BNCP-100 Riveting Gun which cannot be turned on and off any more is dangerous and has to be repaired.

Remove the battery before making adjustments to the device, changing accessories or putting the device away. This safety precaution prevents the inadvertent start of the BNCP-100 Riveting Gun.



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Store unused BNCP-100 Riveting Guns out of the reach of children. Do not allow persons not familiar with the device or persons who haven't read these instructions to operate the device. BNCP-100 Riveting Guns are dangerous when in the hands of inexperienced persons

Pay attention to the maintenance of BNCP-100 Riveting Guns. Check if the moving parts are functioning flawlessly and do not jam. Check for broken and damaged parts that could influence the operation of the BNCP-100 Riveting Gun. Repair the damaged parts before using the device. Accidents with BNCP-100 Riveting Guns usually stem from maintenance failures.

Use the BNCP-100 Riveting Gun, accessories, tools etc. according to these instructions. Take into consideration the working conditions and the type of work. The use of BNCP-100 Riveting Guns for tasks other than the intended ones can lead to dangerous situations.

Use and handling of the battery tools

Only recharge the batteries in charging devices approved by the manufacturer. There is a risk of fire when using a charging device designed for a specific battery type when it is used with other batteries. In BNCP-100 Riveting Guns, only use batteries that have been designed for this tool. Using other battery types could lead to fire and injuries.

When not using the battery, keep it away from paper clips, coins, keys, nails, screws and other small metallic objects which may cause the contacts to connect. If the battery contacts short-circuit, it may lead to burns or fire.

Fluid may emerge from the battery if it is used incorrectly. Avoid contact with that fluid. In case of accidental contact with the body, rinse the area with water. If the battery fluid comes in contact with the eyes, additionally call for medical help. Uncontained battery fluid can lead to burns and irritation of the skin.

Service

Only let qualified personnel repair your BNCP-100 Riveting Gun and use only original spare parts. This ensures the continuous safety of the BNCP-100 Riveting Gun.

Safety informations for BNCP-100 Riveting Guns

- Hold the BNCP-100 Riveting Gun firmly with both hands when working with this tool. The BNCP-100 Riveting Gun can be operated safer when using both hands.
- Immediately turn off the BNCP-100 Riveting Gun if the electric riveting tool jams.
- Be prepared for a high reacting torque which causes strong recoil. The tool jams when the BNCP-100 Riveting Gun is overloaded.
- Hold the BNCP-100 Riveting Gun tightly.
- Secure the work-piece that is to be riveted. A work-piece is held more securely by a clamping device or a bench vise than by hand.
- Make sure that the power switch is turned to the "Off" position before inserting a battery. Holding your fingers close to the power switch when carrying the BNCP-100 Riveting Gun or inserting a battery while "On" may lead to accidents.
- Do not open the battery, as this leads to the risk of a short-circuit. Keep the battery away from heat (e.g. permanent sun radiation) and from fire due to risk of explosion.
- If the battery is damaged or used in an inappropriate manner, vapors may emerge from it. Get some fresh air and call for medical help in case of complaints. The vapors can lead to irritation of the respiratory tracts.
- If the battery is defective, fluid may emerge from it and coat adjacent objects. Check the parts affected, clean them or replace them, if necessary.



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- Use the battery specifically designed for the BNCP-100 Riveting Gun. This is the only way to prevent dangerous overload of the battery.

Technical specifications

Battery-powered BNCP-100 Riveting Gun
For processing blind rivets with mandrel of 3/21" to 3/16" (2.4-5.0 mm), all materials

- Weight: 1.59 kg (without battery)
- Stroke: 21 mm
- Engine: 18V DC motor
- Installation force: 9000 N
- CE according to EU regulation No. 2006/42/EG

Quick-replacement of the rechargeable battery

- Nominal voltage: 18V
- Capacity: Li-Ion 3.0 Ah (4 cells)
- Weight: 3.0 Ah: 0.55 kg
- Charging device:
Input voltage: 100-240 V / 50-60 Hz
Output voltage: 18V
- Recharging time:
3.0 Ah: <120 minutes
- Weight: 0.41 k

Rivet Mandrel Sizes:

3/32" (2.4mm)
1/8" (3.0/3.2mm)
5/32" (4.0mm)
3/16" (5.0mm)

Operational description

Depicted components

The lettering of the components in the picture below refers to the main exterior parts of the BNCP-100 Riveting Gun.

- A) Nosepiece
- B) Front sleeve
- C) Failure indication
- D) Mandrel collector
- E) Trigger
- F) Riveting area illumination
- G) Battery locking switch
- H) Battery





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Charging the battery

Note: The battery is only partially charged on delivery.

To guarantee full power of the battery, charge it completely in the charger before first use. Pay attention to the charge indicator on the charging device. The Li-Ion battery can be recharged at any time without affecting its life. Interrupting the charging process doesn't damage the battery.

The battery is equipped with a temperature monitoring system which only allows for charging between 32°F and 113°F (0°C and 45°C)

Please consider the notices for disposal.

Removing the battery

The battery (H) is equipped with a locking mechanism (G). As long as the battery remains inside the BNCP-100 Riveting Gun it is held in position by a spring. To remove the battery (H), press the unlocking button (G) and slide the battery from the electric riveting device. Don't use force.

Putting the device into operation

Insert the battery. Only use original BN Products-USA Li-Ion batteries (BNCPB-18V) with the voltage depicted on the type label of your BNCP-100 Riveting Gun.

The use of other batteries may lead to injuries and risk of fire.

Switching the device into stand-by mode

Press the trigger (E) for a short time. The white LED for the illumination of the riveting area lights up. The device is thereby switched to stand-by for three minutes. Pressing the power switch again will reset the stand-by counter to three minutes.

Changing nozzles

The nozzles (A) are marked with numbers corresponding to the rivet mandrel size. Hold the power switch (E) pressed, that will lead to the clamping mechanism moving into the rear position. Use the included wrench SW 11 to change the nozzle and release the power switch.

Riveting

Insert the rivet into the nozzle (A) and the other end of the rivet into the work-pieces to be riveted. Press the power switch until the rivet is removed, then release the power switch. Tilt the riveting device backwards so that the removed mandrel pin falls into the mandrel collection device (D). If the rivet doesn't come off in a single working stroke, repeat the procedure.

Failure

If rivets which exceed the indicated power of the device are used or if the battery is empty or overloaded, the device will stop operating and the red LED (C) will light up. Wait until the red LED (C) goes out and press the power switch (E) for a short time. The device will revert to the original position. If the battery is empty, the device is powered down by a protective circuit and the working tool doesn't move any more. Don't press the power switch again after the BNCP-100 Riveting Gun has been powered down automatically, this may lead to battery damage.

Changing the clamping jaw

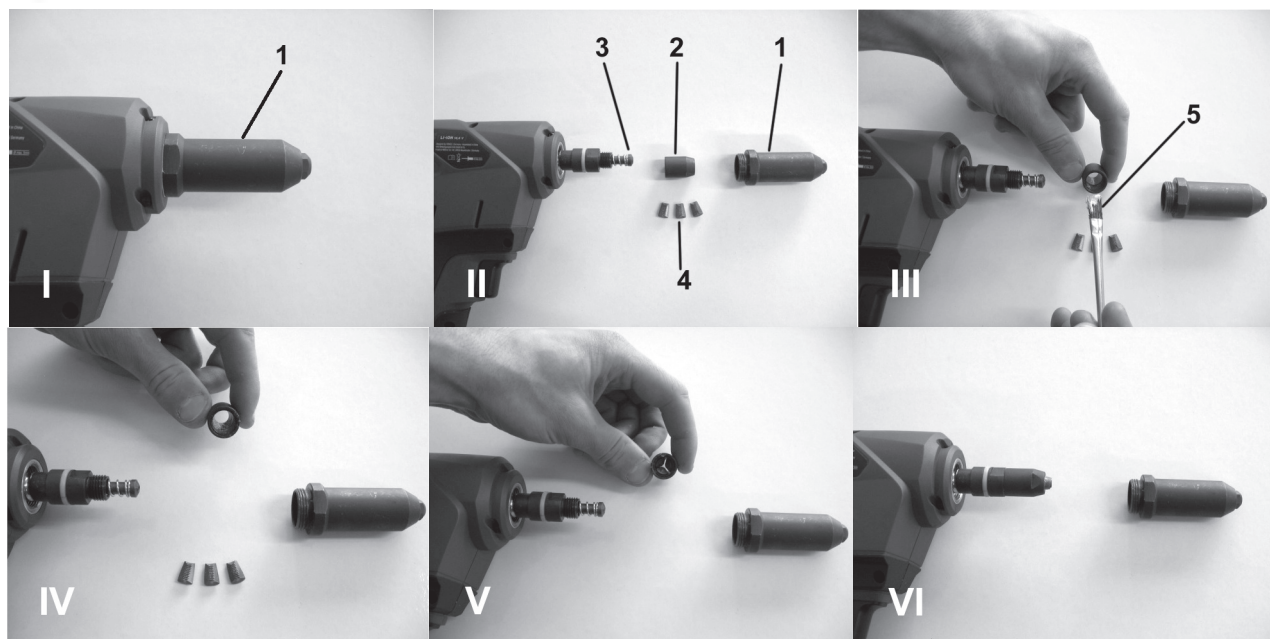
The clamping jaws are wear parts. If you are unable to rivet in a single working stroke you should change the clamping jaws:



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- I. (1) Front sleeve
- II. (2) Clamping sleeve
(3) Riveting machine
(4) Clamping jaws (3 parts)

Remove the front sleeve (1) and the clamping sleeve (2) from the device (3) and remove the clamping jaws (4) from the clamping sleeve (2).
- III. Oil the clamping sleeve (2) with Molykote® D grease (5).
- IV. Hold the clamping sleeve (2) so that its forward part is faced down.
- V. Place the clamping jaws (4) in the clamping sleeve (2) with their smooth sides facing outwards.
- VI. Mount the clamping sleeve (2) with the new clamping jaws (4) and finally replace the forward sleeve (1).

Battery Notes

Keep the battery away from moisture and water. Only store the battery at temperatures from 0° to 45°C. Do not leave the battery in the car, e.g. in summer. If the battery is working for significantly shorter periods of time after a recharge, it is weak and needs to be replaced.

Please consider the notices for disposal.

Maintenance and service

Take the battery out of the BNCP-100 Riveting Gun for transportation and storage. Risk of injury occurs if you inadvertently press the power switch.

Keep the BNCP-100 Riveting Gun and the ventilation slots clean to ensure good and safe operation.

If the BNCP-100 Riveting Gun should fail despite the meticulous manufacturing and quality control procedures, the repairs should be done by an authorized service center for BN Products-USA electric riveting devices.



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Please, quote the serial number indicated on the label of the BNCP-100 Riveting Gun whenever contacting to our customer service or ordering spare parts.

Disposal

BNCP-100 Riveting Guns, accessories and packaging should be disposed in a way which makes them available for environment-friendly recycling.

Do not dispose of BNCP-100 Riveting Guns in household waste.

BNCP-100 Riveting Guns that are not functional need to be collected separately to make them available for environment-friendly recycling.

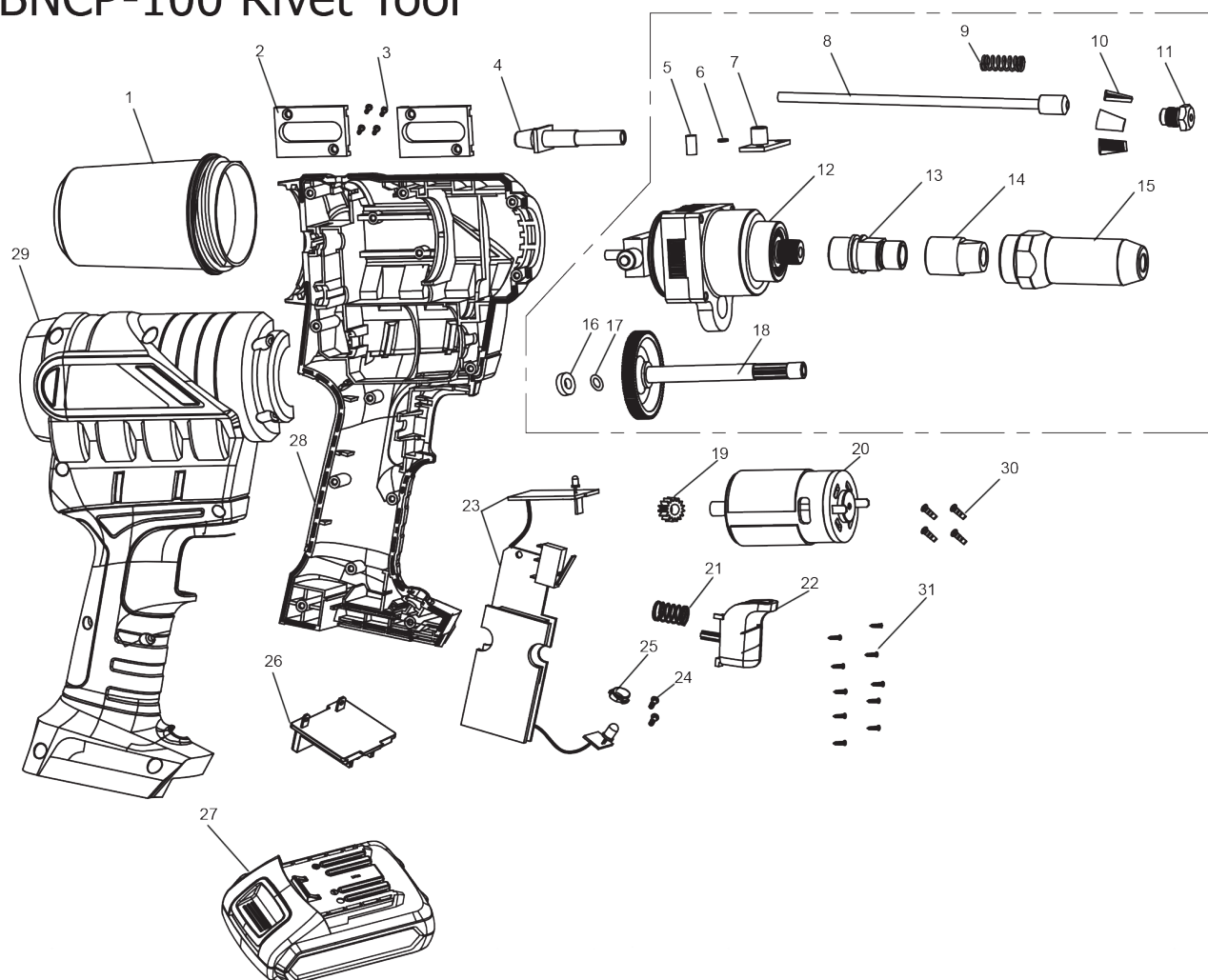
Batteries:

Li-Ion: Do not dispose of batteries in household waste, do not throw them into fire or water.

Batteries should be collected and recycled or disposed of in an environment-friendly way. Defective and non-functional batteries need to be recycled. Batteries that are not functional can be returned to your local distributor or directly disposed of in an environment-friendly way.



BNCP-100 Rivet Tool



No.	Part Name	Qty
1	Mandrel collector	1
2	Slider	2
3	ST2.9×8-F head screws	4
4	Mandrel conduit	1
5	Rubber column	1
6	Magnet	1
7	Magnetic induction block cover	1
8	Conduit	1
9	Compression spring	1
10	Clamping jaw set	3
11	Nosepiece	1
12	Core	1
13	Clamping jaw rear sleeve	1
14	Clamping jaw front sleeve	1
15	Front sleeve	1

No.	Part Name	Qty
17	Washer	1
18	Gear shaft	1
19	Motor Gear	1
20	Motor	1
21	Compression spring	1
22	Trigger Button	1
23	Circuit board assembly	1
24	ST2.9×10-F screw	2
25	LED cover	1
26	Battery clamp	1
27	Battery pack	1
28	Left housing	1
29	Right housing	1
30	M3×5 screw	4
31	ST2.9×16-F screw	10