



Empowering you to work smarter

NEF6L2 BreakFree® Power Flaring Tool User Manual



Failure to follow warnings could result in death or serious injury.

**SAVE THIS MANUAL
FOR FUTURE REFERENCE**

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BREAKFREE®
CORDLESS SERIES

Contents

1. Structure	01
2. Technical Parameters	01
3. Operation Instruction	03
4. Battery Charge	04
5. Exploded View	05
6. Parts List	06
7. Troubleshooting	07

Safety Guide

Caution

Read this manual thoroughly before using.

- Keep the working area clean and tidy.
- Do not operate while under the influence of alcohol.
- Keep children and untrained people from using.
- Use original parts and auxiliary.
- Long time using may overheat its motor which activate overheat protection.
- Temperature higher than 158°F (70°C) or lower than 41°F (5°C) may activate the motor overheat or subcooled protection.
- Don't dismantle NEF6L2 at random which may void warranty.
- Product is warranted against defects in materials and workmanship for two years from the date of purchase.
- Dispose the battery according to local regulations.
- Pending patent.

1. Structure



2. Technical Parameters

Model	NEF6L2
Tubing Type	HVACR or Soft copper
Tubing OD	1/4", 3/8", 1/2", 5/8", 3/4"
Power	DC motor
Cone Speed	120 RPM
Battery Capacity	Up to 100 flares per charge
Time to Flare	Complete a flare in < 30 seconds
Dimension	10.4"x4"x4" (265x104x103mm)
Weight	3.1 lbs (1.4kg)

Battery pack

Model	NBF3
Battery	7.2V 2Ah 14.4Wh
Quick Charge	45 minutes
Ambient Temperature	41°F-104°F (5°C-40°C)
Fast charging protocol	PD3.0/FCP/AFC/QC, compatible with C to CVA to C interfaces

Table 1



Light/Hold 2s to Reset Button:

- Press to show battery life.
- Press to turn on/off the light.
- Press 2 seconds to reset (draw back) the cone.

**3. Operation Instruction**

1. Deburr and clean tubing before flaring
2. Get the copper placed.

- Open the clamp by pressing the legs and insert the tubing.
- Use the baffle to set the correct depth of the tubing.

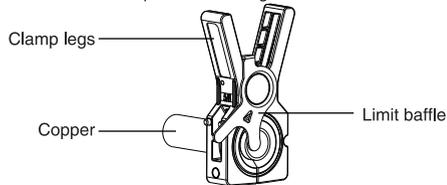


Fig. 1

3. Get the clamp placed.

- Keep the lever open and put in the clamp. A locked lever resists the clamp being placed.
- Push the lever inward to lock the clamp.

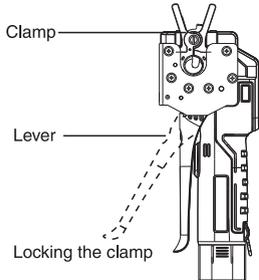


Fig. 2

⚠ Caution

Make sure hash marks lineup. Otherwise it may cause a defective flare and damage the clamp.

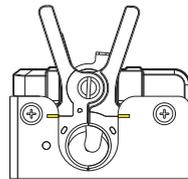


Fig. 3

4. Press the START button to flare.**⚠ Caution**

- Don't open the lever during flaring, otherwise the automatic flaring stops.
- If it happens, press the reset button 2 seconds to draw back the cone.
- Make sure the clamp is still horizontally placed.
- Press inward the lever to lock the clamp again.

5. It takes less than 30 seconds to complete a flare automatically.

- After the flaring indicator turns off, open the lever.
- Remove the clamp and tubing.

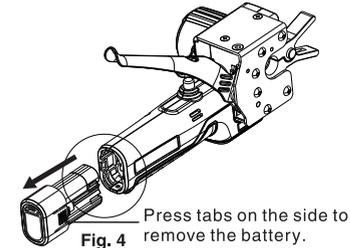
4. Battery Charge**1. Charge battery when the last indicator flashes which means low battery.**

Fig. 4

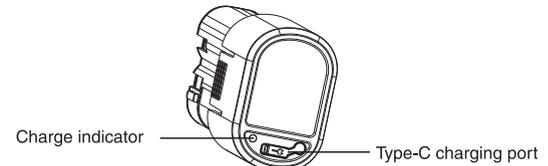
2. Please use a Type-C data cable for charging.*

Fig. 5

- Normal charging: The indicator flashes slowly
- Fully charged: The indicator stays on
- Charging error: The indicator flashes quickly

Battery pack information:

- Fast charging protocol: Supports PD3.0/FCP/AFC/QC, compatible with C to CVA to C interfaces, charging time remains the same as original charger at 45 minutes.
- Versatility: Can be used as a small portable power bank to charge mobile phones etc.
- Compatibility: Compatible with all NAVAC 7.2V lithium power tools, original charger can also charge the battery pack.

*This product's battery pack is compatible with both universal Type-C fast charging and the NAVAC brand-specific dock charging. It is recommended to prioritize the former. If dock charging is used, the battery pack may enter an over-voltage protection state after being fully charged. This is a normal phenomenon and does not affect the battery pack's discharge function, charging safety, or service life.

3. Place back the battery pack.

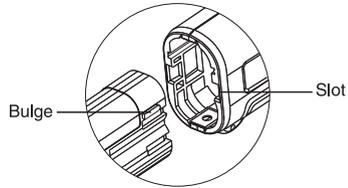


Fig. 6

5. Exploded View

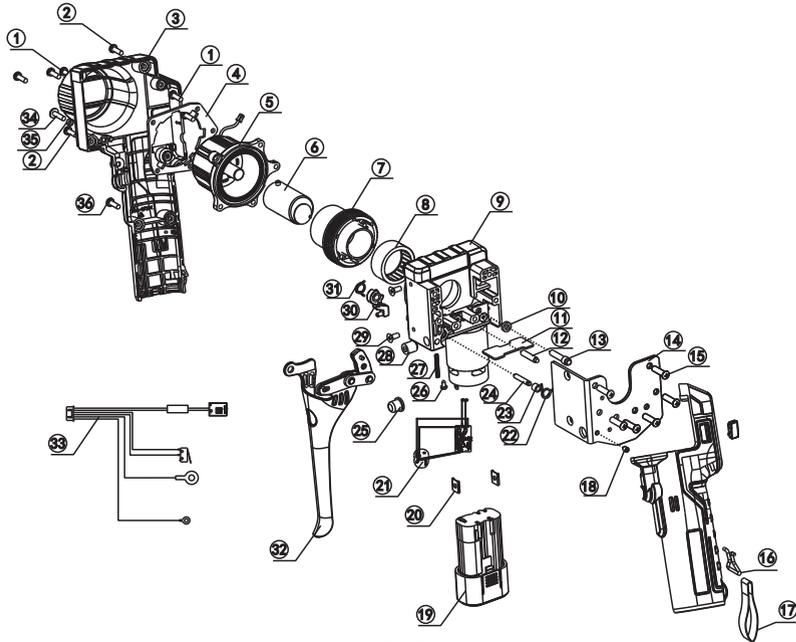


Fig. 7

6. Spare Parts List

Ref No.	Item
1	Screw
2	Screw
3	Right Cover
4	Plate
5	Chamber Assembly
6	Axis Assembly
7	Turbine Bushing
8	Bearing
9	Transmission Chamber
10	Platen Support Sleeve
11	Collet Pressure Plate
12	Limit Pin
13	Pin
14	Front Baffle
15	Screw
16	Hanging Ring
17	Nylon Strap
18	Screw
19	Lithium Battery Pack Assembly
20	Fixed Plate
21	Drive Board Assembly Accessories
22	Spring
23	Pin Sleeve
24	Pin
25	Silicone Button
26	Screw
27	Spring
28	Screw
29	Screw
30	Rocker Switch
31	Rocker Switch Torsion Spring
32	Wrench Assembly
33	6P Harness
34	Screw
35	Shaft Sleeve

Table 2

