



**Chicago
Pneumatic**

Operator's Manual

**CP81020 - CP81030 - CP81050 - CP81080 -
CP81120 - CP81200 - CP81300 -
CP81121 - CP81122 - CP81201 - CP81502**

BOTTLE JACK



WARNING

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions, as well as separately provided safety instructions part number 8940170883, before performing any such task.

CE

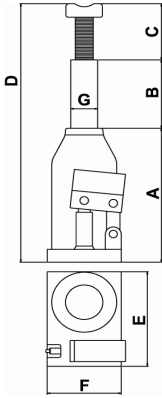


Fig. 01

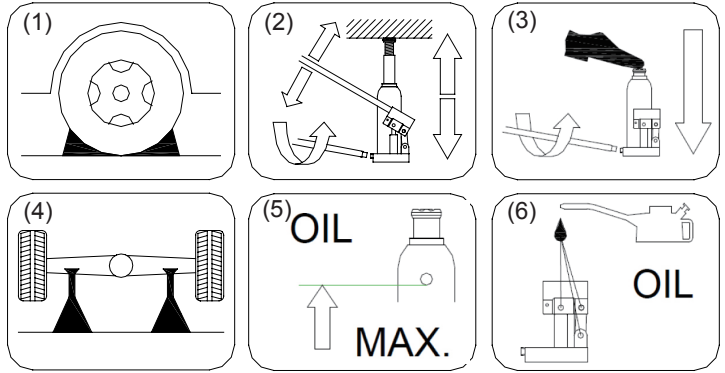
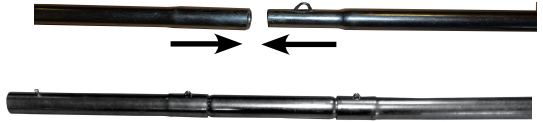
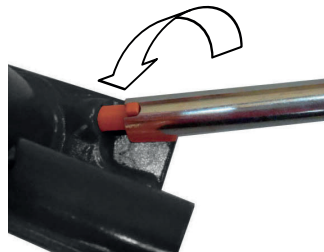
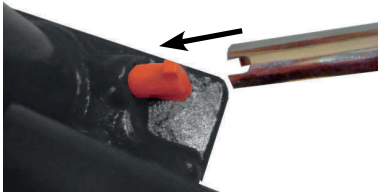


Fig. 03



(1)

(2)



(3)

(4)

Fig. 02

1. Technical Data (See figure 1.)

| Technical Data | Weight | Lifting capacity | A | B | C | D | E | F | G [ø] |
|----------------|--------|------------------|------|------|-------|------|------|------|-------|
| Unit | [kg] | [kg] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] |
| CP81020 | 2.4 | 2000 | 178 | 117 | 52 | 347 | 120 | 80 | 20 |
| CP81030 | 2.9 | 3000 | 190 | 114 | 62 | 366 | 125 | 85 | 23 |
| CP81050 | 3.8 | 5000 | 198 | 122 | 70 | 390 | 140 | 90 | 29 |
| CP81080 | 5.8 | 8000 | 200 | 122 | 72 | 394 | 160 | 100 | 35 |
| CP81120 | 6.7 | 12000 | 180 | 95 | 76 | 347 | 175 | 120 | 43 |
| CP81200 | 9.1 | 20000 | 182 | 86 | 40 | 308 | 195 | 145 | 53 |
| CP81300 | 18.3 | 30000 | 280 | 165 | ----- | 445 | 200 | 150 | 62 |
| CP81121 | 9.5 | 12000 | 238 | 150 | 90 | 478 | 195 | 145 | 43 |
| CP81122 | 5.9 | 12000 | 155 | 70 | 45 | 270 | 140 | 105 | 43 |
| CP81201 | 13 | 20000 | 275 | 169 | 70 | 514 | 205 | 140 | 53 |
| CP81502 | 35.3 | 50000 | 300 | 182 | ----- | 482 | 220 | 175 | 65 |

Static coefficient test: 1.5 / Dynamic Coefficient test: 1.25 .

2. Machine type(s)

- A Bottle jack is a device which you use for lifting a vehicle in order to ensure the accessibility for repair and maintenance work. No other use permitted. For professional use only.
- A Bottle jack is only a lifting device and must not be used for transportation or for loading of a vehicle.
- Maneuvering under load is prohibited.
- Please also mind the product safety information!

3. Mounting instruction

WARNING Make sure every parts are fixed and tightened.

- Remove the device, including the enclosed items.
- Assemble the two or three parts handle. (Fig.02(2)).
- Now place the lever rod to the lifting device and place the lever rod into the support (Fig.02(1)).
- Before using the Bottle jack it is necessary to purge the hydraulic circuit. To tackle this kind of problem please proceed as follows.
- Open the discharge valve by turning the lever rod anticlockwise whilst simultaneously pumping with the lever (5-6 times).
- Afterwards, pump the jack up to its maximal height before lowering it again. The hydraulic system is purged.

Caution Working area of 1 m must be kept free both in front of and behind the machine while it is in operation so that it is always easily accessible.

4. Operation

Caution Position the Bottle jack underneath the lifting points of the vehicle.

- When operating the device, the safety guidelines must be taken strictly into account.
- Always position the lifting jack in such a way that it cannot be operated from underneath the car.
- Always make use of the vehicle manual in order to identify the correct lifting points of the vehicle.
- Use the lever rod to bring the lifting device to the desired height (Fig.03 (2)). Make sure that the hydraulic valve is closed. For this purpose it is necessary to fasten the lever rod clockwise.
- The lifting devices are provided with an overload valve, which has been adjusted by the manufacturer. This valve must never be readjusted.
- In order to lower the load turn the lever rod slowly anticlockwise (Fig.02(3&4) & Fig.03(3)).
- When not using the Bottle jack the piston / lifting arm must be pulled in.

WARNING

- **Never use the lifting jack in order to leave the car lifted. Always use chassis stands (Fig.03(4)).**
- **Make sure that no person stays in the vehicle that will be lifted. Turn off the engine and put on the handbrakes of the vehicle. Use wedges to prevent the vehicle from moving (Fig.03(1)). Do not get into the vehicle and do not turn the engine on.**
- **It is not allowed to work under the raised load until it is secured by suitable means.**
- **The operator shall be provided with all necessary information about training and about pumping and translating forces.**

5. Maintenance instruction

WARNING

- **Do not use damaged/deformed product. If abnormal noise or vibration occurs, stop use immediately, then inspect and ask manufacturer for help. It is recommended that this inspection be made by a manufacturer's or supplier's authorized repair facility.**
- **The greatest single cause of failure in hydraulic units is dirt.**

- Keep the service jack clean and well lubricated to prevent foreign matter from entering the system. If the jack has been exposed to rain, snow, sand, or grit, it must be cleaned before it is used.
- Store the jack, with pistons completely retracted, in a well-protected area where it will not be exposed to corrosive vapors, abrasive dust, or any other harmful elements.
- Periodically check the condition of the product.
- Store the product in dry and non-corrosion environment.
- Owners and/or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that an annual inspection of the product be made by a manufacturer's or supplier's authorized repair facility and that any defective parts, decals, or safety labels or signs be replaced with manufacturer's or supplier's specified parts. A list of authorized repair facilities is available from the manufacturer or supplier, please call them for help.
- Any product that appears to be damaged in any way, is found to be worn, or operates abnormally **SHALL BE REMOVED FROM SERVICE UNTIL REPAIRED**. It is recommended that necessary repairs be made by a manufacturer's or supplier's authorized repair facility if repairs are permitted by the manufacturer or supplier.
- Only attachments and/or adapters supplied by the manufacturer shall be used.

6. EC Declaration of conformity

Declare that the product(s): **CP81020/CP81030/CP81050/CP81080/CP81120/CP81200/CP861300/CP81121/CP81122/CP81201/CP81502**
Serial Number: **00001 - 99999**

Machine type(s): **Bottle Jack**

is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating to "Machinery" **2006/42/EC (17/05/2006)**

applicable harmonised standard(s) : **EN 1494:2000 + A1:2008**

Name and position of issuer: **Pascal Roussy (R&D Manager)**



The design has been validated according to: **ASME PASE-2014**