



**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

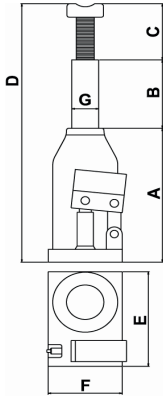


Fig. 01

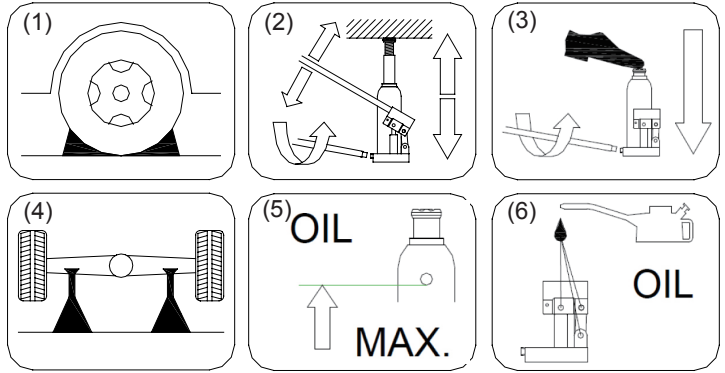
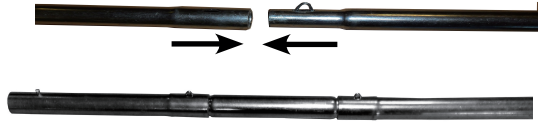
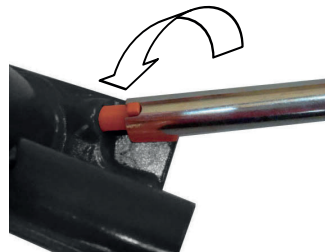
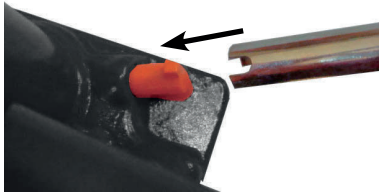


Fig. 03



(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.

All values are current as of the date of this publication.

## 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)**



Technical file available from EU headquarter. Pascal Roussy R&D manager CP Technocenter 38, rue Bobby Sands - BP10273 44800 Saint

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

### **Chicago Pneumatic Tool Co. LLC**

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### **Original Instructions**