

BENJAMIN

Three Stage High Pressure Hand Pump

MODEL HPP2K

**READ ALL INSTRUCTIONS AND WARNINGS IN THIS
MANUAL BEFORE USING THIS AIRGUN**



HPP2KA515

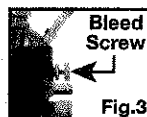
WARNING: The HPP2K pump is for use only with pre-charged pneumatic air guns. Do not use on other products.

1.0 Assembling the Pump (requires a Phillips screwdriver)

- Fig.2**
- A** 1.1 Attach the base plate to the pump base housing with the 2 flat head screws provided. Position the plate with the countersunk recesses opposite the housing so the screw heads do not protrude above the base plate when secured. Orient the base plate so the direction of the hose is opposite the portions of the base plate that the operator will stand on. See Figure 2A.
- B** 1.2 Attach the handle to the top of the tube with the 2 long screws provided. See Figure 2B

2.0 Operation

- 2.1 Attach the hose to the gun to be filled using the quick disconnect coupling.
- 2.2 Close the pump bleed screw on the base of the pump turning in a clockwise direction. (Figure 3)
- 2.3 Pump to fill the air reservoir until the desired pressure is reached. Pressure should not exceed the recommended pressure of the pre-charged pneumatic airgun or exceed the pump rating of 3600 PSI.
- 2.4 Open the pump bleed screw to relieve the pressure in the hose. Air will rush out of a small hole next to the bleed screw and the pressure gauge should read zero.



WARNING: Do not disconnect the hose under pressure (Gauge indicating higher than 0). Disconnecting the hose under pressure could cause damage to the hose fitting and personal injury to the operator.

- 2.5 Disconnect the hose (make certain the hose is bled via the bleed screw and the pressure gauge reads 0 before disconnecting).

3.0 Maintenance and Care of the HPP2K

- The HPP2K pump requires no additional lubrication.
- The pump should be kept dry and clean.
- Store the pump indoors away from extreme temperatures.
- **DO NOT** use solvents of any kind on parts of the pump. Mild household cleaners are acceptable on the painted portions of the pump and handle assembly.
- **DO NOT** wipe off the film of lubricant on the main pump cylinder. It is normal and will serve to lubricate the pump seals and guard against premature wear of the pump seals.

4.0 Trouble Shooting

Problem noticed:

- The pump fails to reach desired pressure.
- Pressure building up and then falling off while pumping.
- Slower than normal build up of pressure (based on prior experience with the pump).

All of the modes described above may be the result of an air leak. To identify the location of the leak perform the following:

- 4.1 Check first that the bleed screw is properly closed.
- 4.2 With the pump attached to the gun and pressure showing on the pump gauge, check for leaks at the hose fittings by applying a small amount of soapy water at the connections.
- 4.3 In the event a leak is detected at a fitting connection, bleed the pressure from the pump and disconnect from the gun. Tighten the leaking hose fitting connection slightly to eliminate the leak.
- 4.4 Reattach the pump and try pressurizing again to detect leaks as described in instruction number 4.2.
- 4.5 If a fitting connection is still leaking after re-tightening, the thread sealant may be damaged. Teflon sealing tape is recommended for use on these fittings. Disassemble the leaking fitting, remove all old sealing tape, then apply 2-3 full wraps of Teflon tape to the male thread. Reassemble, tightening the fitting moderately. Do not over tighten. If a torque wrench is available, torque the fitting to 55 inch lbs.
- 4.6 Reattach the pump and pressurize again to detect leaks as described in instruction number 4.2.

If corrective measures described above fail to eliminate the pump failure, call Crosman customer service at 1-800-7AIRGUN (1-800-724-7486).

Frequently Asked Questions:

Q- Can the pump be used for other filling tasks other than PCP airguns and PCP bottles i.e. bicycle tires, etc.?

A- Crosman does NOT recommend using the pump for applications other than what the pump was designed for. The extreme pressures the pump is capable of producing could cause damage to other pressurized items and personal injury.

Q- How many strokes should it take to fill my Benjamin Discovery to the recommended 2000 psi?

A- In tests performed at Crosman corporation starting with a completely uncharged Discovery airgun, approximately 110 strokes were required to reach 2000 psi. Your results may vary due to factors such as completely performing every pump stroke and seal condition of the pump.

Q- Can I use the pump to bleed air from the pressure tube in my Benjamin Discovery?

A- No, you cannot bleed down the airgun using the pump. A check valve in the gun's fill adapter is activated by pressure in the tube and will not leak back down when the pump is attached.

Q- There is a film of oil on the main pump cylinder. Is the pump leaking?

A- After operating the pump, a film of lubricant will be evident on the main pump cylinder. This is normal and serves as a lubricant to guard the seals against premature wear. DO NOT wipe it off. ONLY wipe off the oil that may accumulate at the union of the cylinder and the pump base.

LIMITED 90 DAY WARRANTY

This product is warranted to the retail consumer for 90 days from date of retail purchase against defects in material and workmanship and is transferable. You should retain the original sales receipt as record of date of purchase.

WHAT IS COVERED

Replacement parts and labor. Transportation charges to consumer for repaired product.

WHAT IS NOT COVERED

Transportation charges to Crosman Corporation. Damages caused by abuse, modification or failure to perform normal maintenance. Any other expense. CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES INCLUDING DAMAGE TO PROPERTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

HOW TO OBTAIN WARRANTY PERFORMANCE

Call Crosman customer service at 800-724-7486 for details on how to proceed with sending the item in for repair. You must contact Crosman prior to shipping your product.

IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF RETAIL PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

To the extent any provision of this warranty is prohibited by federal, state or municipal law, which cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights and you may also have other rights, which vary, from state to state.

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