

C0046-1 CHECK VALVE GREEN RUBBER POPPET

Removal/Install instructions

Helpful tools to have



Removal

1. Disconnect Power

- Unplug the compressor's power cord.

2. Depressurize the Machine

- Carefully release all air pressure from the dental machine before proceeding.

3. Disconnect the Main Air Line

- Locate The main air line connection next to the lower gauge on the compressor.
- Press the spring-loaded latch on the chrome male fitting and pull to release it from the female coupler.

4. Remove the Compressor from the cart frame.

- Carefully lift the compressor out of the cart frame.

5. Remove the Shroud

- Unscrew and remove the six 10mm bolts securing the white cover (shroud) around the compressor. **NOTE the nuts on the inside of the shroud are welded, so you only need to remove the bolts from the outside.**

6. Locate the Check Valve

- You'll find the check valve positioned behind the on/off switch.

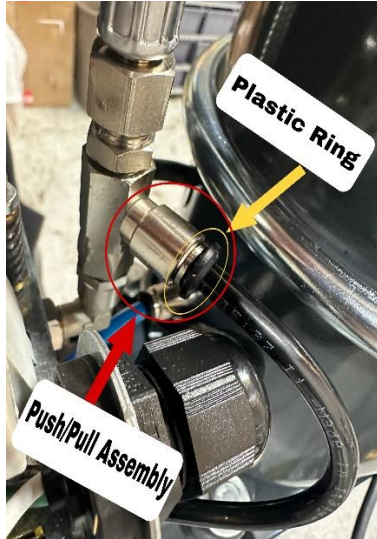


7. Disconnect Black Tube

- Disconnect the black tube that is on the side of the check valve by pushing in on the black tubing and the black plastic ring, at the same time pull the tube out.

8. Remove Push/Pull Assembly

- With pliers, unscrew the push/pull assembly that connects to the check valve.



9. Remove Steel Braided Hose

- Using a wrench unscrew the steel braided hose from the compressor motor.



10. Unscrew the check valve and remove the green rubber poppet

⚠ **Important:** The check valve assembly consists of a long chrome nut at the top (Check valve's adapter) and a thin chrome nut below the directional arrows.

- With the braided steel hose still attached to the check valve's adapter, use a wrench to remove the whole assembly (check valve and hose as one assembly) and expose the green rubber poppet.
- Remove and dispose of the green rubber poppet seen in the picture below.



Installation of green rubber poppet

1. Clean the check valve and install new green rubber poppet

- Dampen a Q-tip with isopropyl alcohol and clean the interior of the check valve and the chamber where the green rubber poppet sits in.
- Install the new green rubber poppet with the narrower side of it facing down on the chamber as seen on the picture above.

2. Reconnect the check valve

- Attach the check valve back to the 90° elbow.
- Align the threaded hole in the center of the check valve so it's facing between the ON/OFF switch and compressor motor. EXAMPLE below;
- Carefully screw in the push/pull assembly back in the check valve



3. Reconnect the black tube

- Insert the black tubing back into the push/pull assembly until it locks into place.

4. Attach the steel braided hose

- Use a wrench to attach the steel braided hose back on to the compressor

⚠ Test Before Reassembly

- Plug in the power cord and turn on the compressor before reinstalling the white compressor cover (shroud).
- If everything works as expected, power off the compressor and proceed to the next step.
- If the unit fails to pressurize, turn it off immediately and contact support: **1-800-866-6881**

5. Reinstall Shroud

- Align the white compressor cover (shroud) and secure it using the six 10mm bolts.

6. Return Compressor to Cart

- Carefully place the compressor unit back into the dental machine's cart frame.

7. Reconnect Main Airline

- Reattach the main airline near the lower gauge by pressing the spring-loaded latch on the chrome male fitting and connecting it to the female coupler

8. Reconnect Power

- Plug in the compressor power cord—your dental machine should now be fully operational.