

# C0046 Check valve 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.

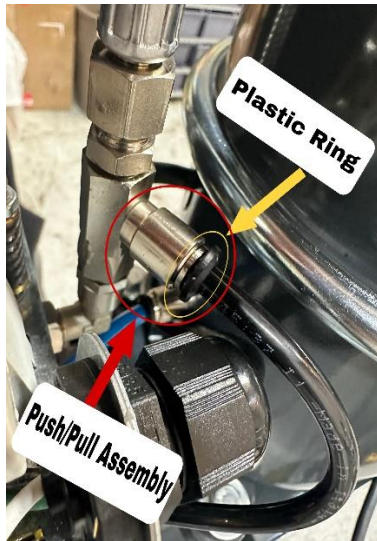


## 7. Disconnect Black Tube

- 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.

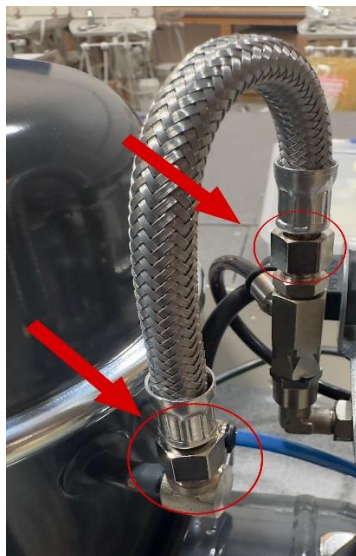
## 8. Remove Push/Pull Assembly

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



## 9. Remove Steel Braided Hose

- Unscrew the steel braided hose from its adapter on the check valve and from the compressor.



## 10. Unscrew the check valve's adapter and remove check valve from the 90° elbow

**⚠ 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.

- Using two appropriate hand tools, secure the check valve with one tool to prevent rotation.
- With the second tool, grip the adapter and rotate counterclockwise to unscrew it from the check valve.



- Use a wrench to unscrew the check valve from the 90° elbow.

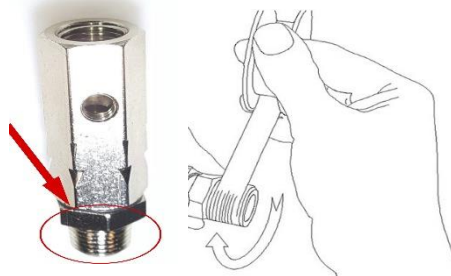
## 🔧 Installation

### 1. Apply Teflon tape

- Apply Teflon tape to both ends of the check valve's adapter (apply about 3-5 wraps).



- Apply Teflon tape on the check valve's threaded side below the directional arrows (apply about 3-5 wraps).



## 2. Connect New Check Valve

- Attach the new check valve to the 90° elbow, ensure the arrows on the check valve point downward (indicating proper airflow direction).
- Attach the check valve's adapter back into the check valve.
- 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 the push/pull assembly back in the check valve



## 3. Reconnect Black Tube

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

## 4. Attach Steel Braided Hose

- Use a wrench to attach the steel braided hose back on to the check valve and 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.