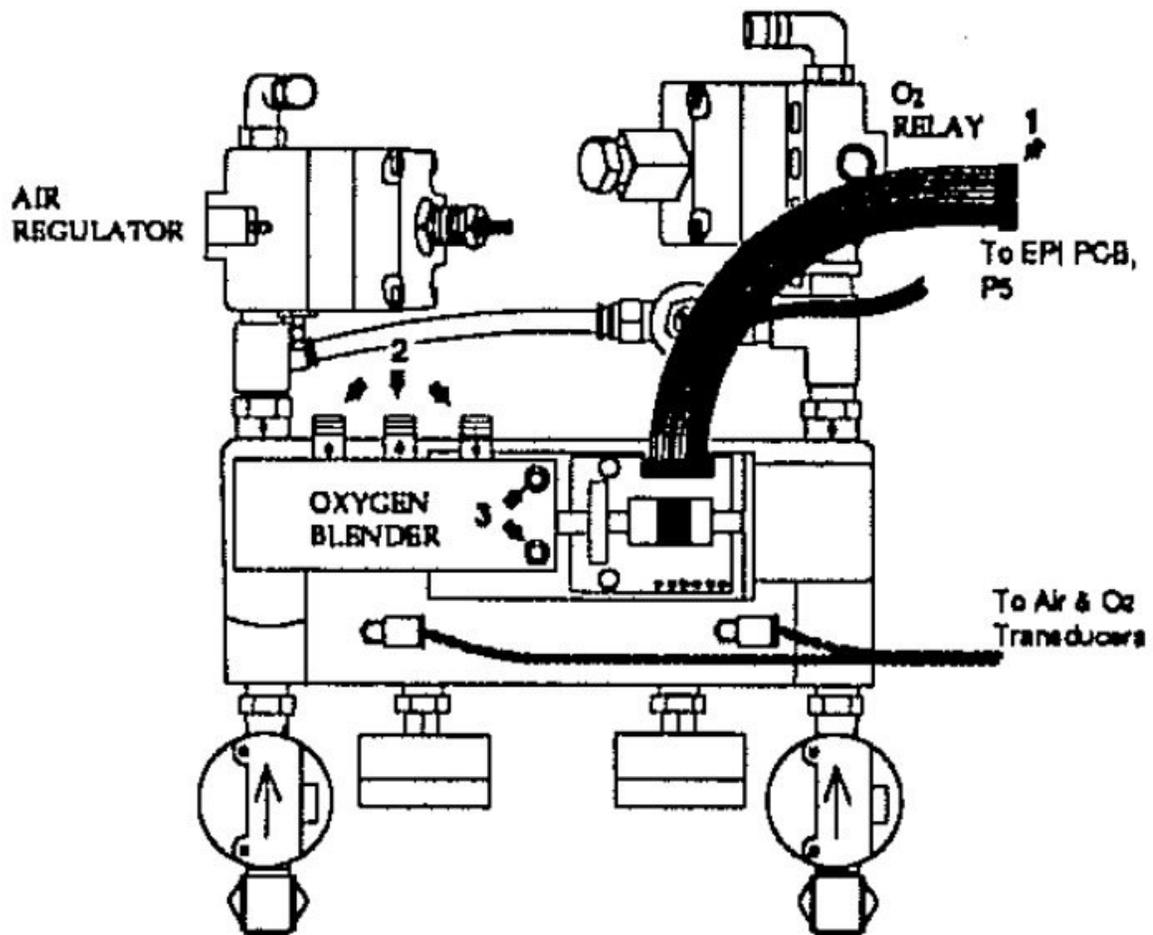




# Bear 1000 Air and O2 Blender Replacement

Use this guide to replace the air and O2 blender unit in the Bear 1000 ventilator.

Written By: William Burns



**Figure 8-3**  
**Air & O2 Blender**

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## INTRODUCTION

The air/ oxygen blender combines the pure oxygen gas with filtered, compressed air to create the proper mixture at the right pressure for the patient. An incorrect mixing or an incorrect pressure will indicate a problem with the unit and will signal a need of change. Found on page 85 in the full service manual.

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### TOOLS:

- [flat head & philips screw driver](#) (1)
  - [Large Needle Nose Pliers](#) (1)
  - [Zip Ties](#) (1)
  - [Marker](#) (1)
-

## Step 1 — Air and O2 Blender

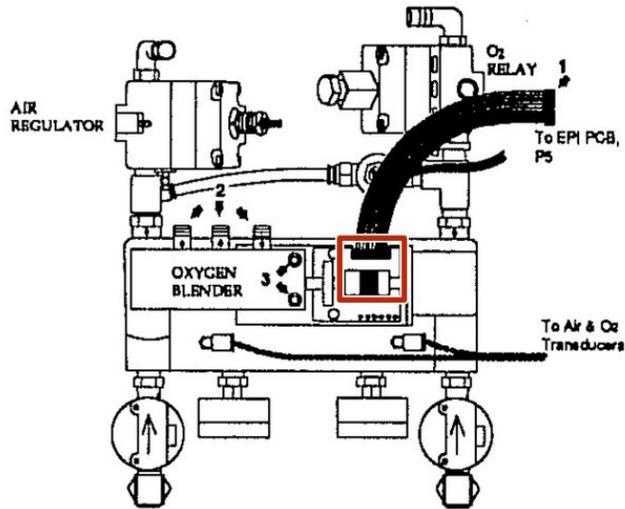


Figure 8-3  
Air & O2 Blender

- Remove the ribbon cable at the connection on the oxygen blender control board.

## Step 2

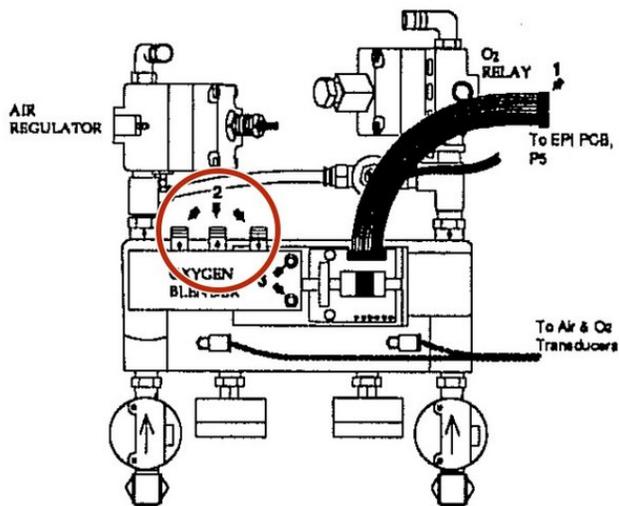
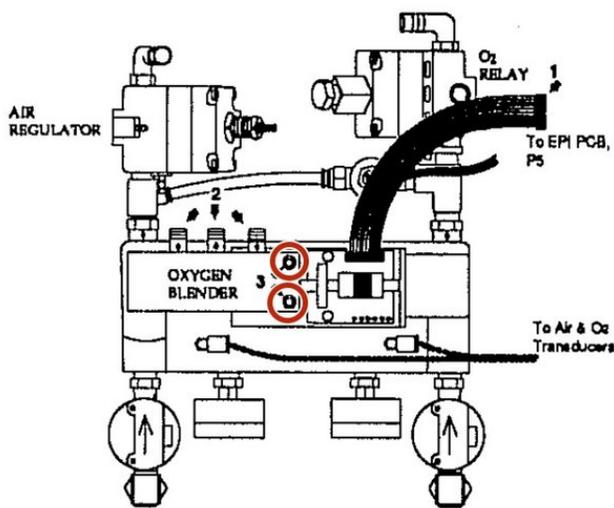


Figure 8-3  
Air & O2 Blender

- Mark the plastic hoses attached to the oxygen blender (so you can put them back on the same way) and then remove.

## Step 3



**Figure 8-3**  
**Air & O2 Blender**

- The air/oxygen blender has two screws close to the control board. Remove them and remove the unit.

To reassemble your device, follow these instructions in reverse order. Perform an OVP test to check proper installment.

**NOTE:** do not interchange control boards with non-socketed ones!