

CPAP Mask Holder Repair

By R. G. Sparber

Protected by Creative Commons.¹

Contrary to recent advertisements for a fancy electronic implant device, my Continuous Positive Airway Pressure (CPAP) is comfortable and effective. However, it does have an annoying number of consumable parts.



One of those parts is the mask holder. An airline connects to the grey cylinder on the right.

A pivoting coupler snaps into the mask.



This holder is considered worn out when air leaks around this pivoting coupler.

Medicare does cover this cost, but tossing the part offends me. However, trying to sleep with the high-pitched whine that emanates from a leaking pivot coupler is far more offensive.

¹ This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

So, what is going on here?



The plastic in the frame has relaxed enough to allow for a gap in the ball section.



Once I recognized the problem, the solution wasn't so hard.



I tightened a hose clamp around the flange and warmed the plastic with my hot air gun. Then I quickly cooled it with a spray of distilled water.



Now the ball is again a tight sliding fit in the socket.

I welcome your comments and questions.

If you want me to contact you each time I publish an article, email me with "Subscribe" in the subject line. In the body of the email, please tell me if you are interested in metalworking, software plus electronics, kayaking, and/or the Lectric XP eBike so I can put you on the right distribution list.

If you are on a list and have had enough, email me "Unsubscribe" in the subject line. No hard feelings.

Rick Sparber
Rgsparber.ha@gmail.com
Rick.Sparber.org