POSSIBLE BLOCKAGE OF O_2 QUICKSTICK SENSOR END CAP

SPECIAL NOTICE TO CUSTOMERS & DEALERS

Possible Blockage of Nuvair O_2 Quickstick Sensor End Cap Sampling Orifice

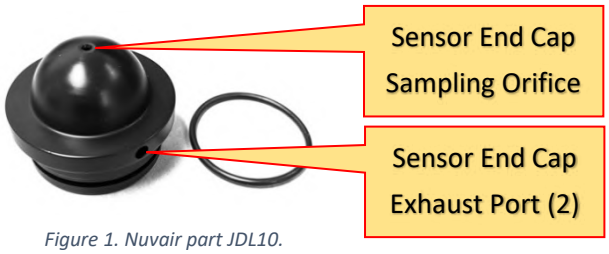

Figure 1. Nuvair part JDL10. O_2 Quickstick sensor end cap & O-ring.

During the production of Nuvair O_2 Quickstick sensor end caps, the sampling orifice at the tip of the cap may be blocked by a small piece of plastic. While this thin layer of plastic is easily removed, it can prevent the O_2 Quickstick from functioning properly and may impact diver safety.

This issue may affect Nuvair O_2 Quicksticks manufactured from 01/01/2024 to 03/18/2024 with serial numbers of AQ0385477-AQ0385677.

To confirm your O_2 Quickstick sampling orifice is not blocked, there is a simple way customers can detect and correct this issue:

(1) Place mouth over the hole of the sampling orfice and suck gently. If the orifice is clear, air will enter from the two (2) exhaust ports located on the sides of the sensor end cap (see Figure 1). If the orifice was blocked, a pinhead-size piece of black plastic may enter your mouth. Be careful not to inhale the plastic piece.

(2) If the obstruction cannot be cleared, remove the sensor end cap from the oxygen sensor and visually inspect the sampling orifice (see Figure 2). If the orifice is blocked, use a straighted paperclip to clear the blockage from the orifice. Once the orifice is confirmed to be clear, replace sensor end cap.

For additional assistance with removal of the sensor end cap, watch our one-minute YouTube video, “O2 Quickstick Sensor Replacement,” at https://youtu.be/4GlLLmdNywk.

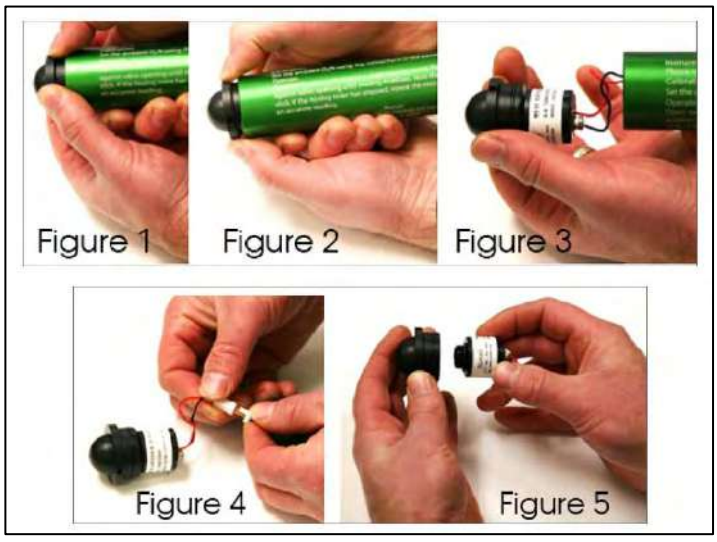

Figure 2. Removal and replacement steps.

We apologize for this inconvenience. Affected customers and dealers requiring additional assistance or information may contact Ron@Nuvair.com.

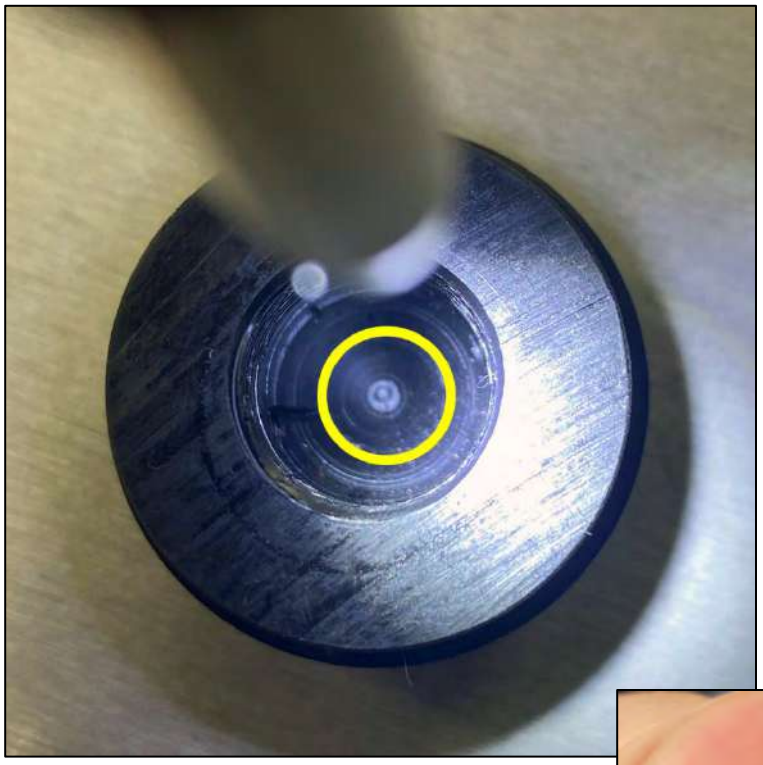

Figure 3. Aided with a flashlight, obstruction as viewed from inside sensor end cap.

These images show the sensor end cap orifice obstruction. The orifice is highlighted with a yellow circle. Both images are views of the sensor end cap where the oxygen analyzer is screwed into place.

As shown in Figure 4, the plastic obstruction is paper-thin and can be easily cleared with a straightened paperclip or by blowing into the orifice when the sensor end cap is unscrewed from the oxygen analyzer.

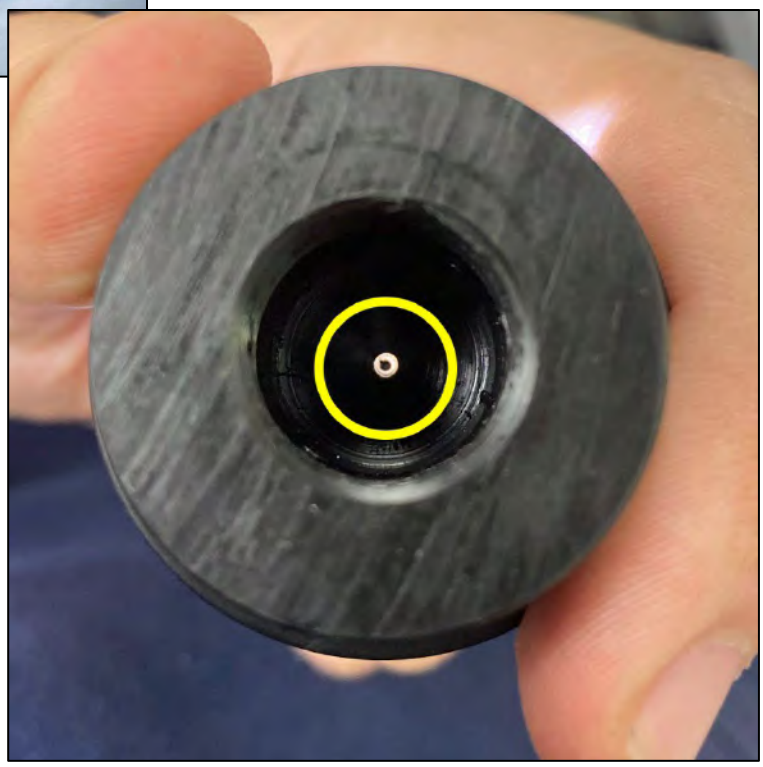

Figure 4. With flashlight pointed at tip of sampling orifice, obstruction as viewed from inside sensor end cap.