



COBRA Guidance Note

Background

Clients have reported cracking on the COBRA Head and Upper Plenum at the pockets for the M8 inserts.



ISSUE

Initially a client reported cracking on the heads of a number of their well-used COBRA sets. These sets had been in service for some time and it was not possible for JFD to examine the defective parts before providing replacements. An investigation at JFD showed that the insert diameter should be reduced slightly and the method of installation changed. This was incorporated in all subsequent builds.

More recently, a client reported the issue on a newly supplied COBRA set and also provided information that identified the cause was an overly long cap screw bottoming out on the back of the insert pocket.



Figure 1 - Cracking at insert pocket



SOLUTION

JFD will supply a 16mm length cap screw to all COBRA users which will resolve the issue. The screws in the locations marked in Figure 2 should be removed and discarded and the replacements fitted. Torque to 25 inch-pounds.

When users are changing these capscrews, they should also check for damage such as is shown in Figure 1. Any cracking found should be reported to JFD, along with photos. Replacement parts will be made available in cases where it is deemed necessary.

This issue may not require the user to immediately stop diving. Users should assess the mechanical security of the COBRA head and Scrubber Housing. If these items are found to be sufficiently secure, the user may choose to continue diving until a convenient time to perform the necessary work. JFD would expect to receive any requests for replacement items within approximately 6 months.

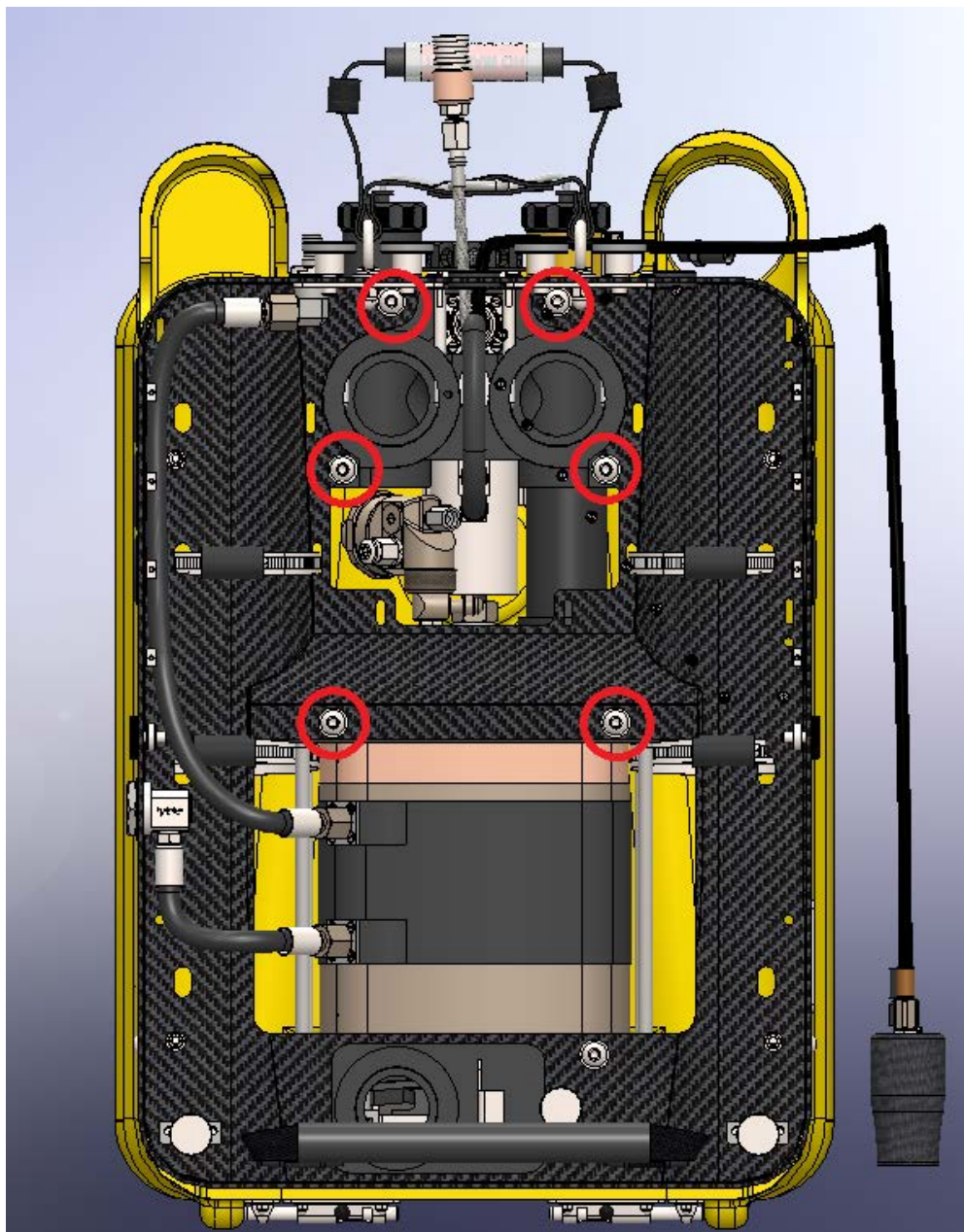


Figure 2 - Capscrew locations