



COBRA Guidance Note

This guidance note applies to Mk2 COBRA sets only

Background

While undertaking service work at JFD, Technicians have reported damaged hot water hose spigots.



ISSUE

During recent service work at JFD, several instances of damage to the Hot Water Hose Spigot have been noticed (see Figure 1).



Figure 1 - Damaged Hot Water Spigot

The deformed radial holes indicate that the Nyloc Nut used to retain the Hot Water Hose (see Figure 2) has been over-tightened. Whilst the spigot would still allow hot water to flow in this condition, the chance of a failure and subsequent disconnection of the hot water hose is increased. If this occurred unnoticed during a dive, the COBRA scrubber would not function optimally if the set was activated.



Figure 2 - Hot Water Hose in Position Showing Nyloc Nut



SOLUTION

The maximum torque applied to the Nyloc Nut must be limited to 6 ft-lbs.

The Nyloc Nut must not be used to screw in the Spigot/Hose assembly as one piece.