

SUBJECT: MODE Spanner Nut (Oxygen Gauge)

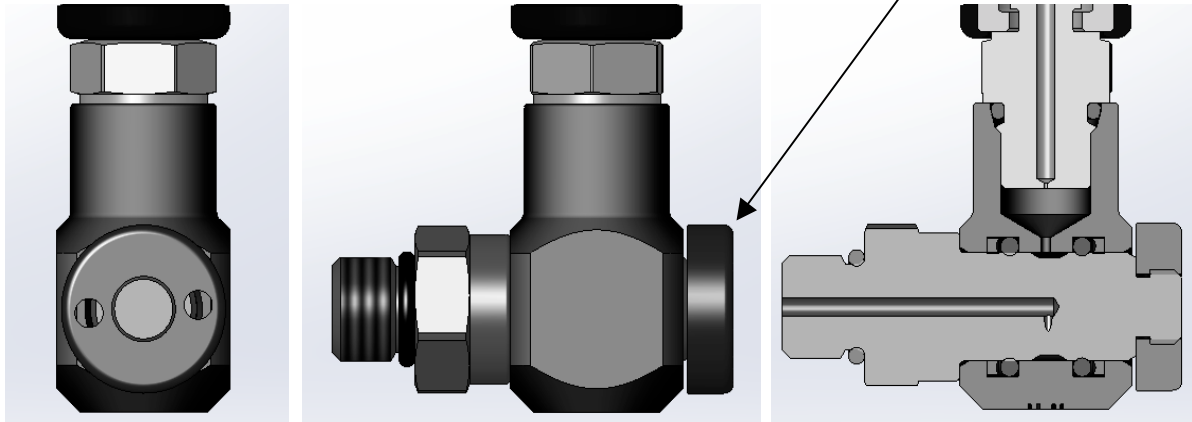
Affected Military Equipment:

Modular Oxygen Diving Equipment (MODE).

Ref: This is a response to FAR 17-MODE-001 and FAR 17-MODE-003

Problem:

During MODE dive ops, high pressure oxygen leaks were discovered due to the loosening of Spanner Nut PN 488035.



Corrective Actions:

NOTE 1: Corrective actions shall be performed by qualified MODE Technicians IAW MODE O&M Manual.

NOTE 2: Tests conducted at Aqua Lung indicate that applying Loctite 222 to the male threads of the Gauge Swivel Axis (48708) prior to reinstalling the Spanner Nut, will increase the mechanical resistance (removal torque) and should prevent the inadvertent loosening of the Spanner Nut.

Steps:

1. Remove Spanner Nut (488035).
2. Ensure the Swivel Axis (487086) and Spanner Nut (488035) are clean and dry.
3. Ensure the Loctite 222 solution is well mixed by shaking vigorously prior to use.
4. Apply Loctite 222 to male threads of Swivel Axis (487086) IAW Loctite instructions.
5. Reinstall and torque Spanner Nut (488035) onto the Swivel Axis IAW MODE O&M Manual, Table 6-5.
6. Allow 24 hours for the Loctite to cure before conducting Joint Tightness Test IAW MODE O&M Manual, Paragraph 4-5.1.2.

For further technical support or to provide input on any of the information presented please contact:

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