

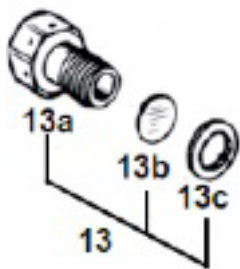
SUBJECT : Burst Disc Failures on Inflation Cylinder Valves
Affected Military Equipment:

Atlantis Life Vest (ALV), Combat Swimmer Assault Vest (CSAV), Combatant Diver Vest (CDV)

Problem:

End users reported burst disc assemblies (13) leaking through the safety plug threads (13a) and safety discs (13b) rupturing during filling and storage. This includes burst discs assemblies installed on the 101271 VALVE ASSEMBLY W/1.5 CF CYLINDER, NON-MAG and the 101275 VALVE ASSEMBLY W/2.5 CF CYLINDER, NON-MAG.

Inspection of field samples revealed leaks around the safety plug threads and low removal torque values. Low removal torque was found to be a result of the black chrome coating used on the valve body and safety plug. The coating creates greater friction during the torque process, giving a false positive that proper torque of the safety plug (13a) has been achieved.


13 – Burst Disk Assembly
13a - Safety Plug
13b - Safety Disk, Red, 3000psi
13c - Gasket
Corrective Action:

Inspection and corrective action can be accomplished at the end user level.

1. End users are to inspect their inflation valve assemblies for proper torque.
2. **NEW PROCEDURE:** Proper torque of 90 inch pounds should be applied to the safety plug (13a).
3. Wait at least 10 seconds and re-torque safety plug (13a) to 90 inch pounds a second time.
4. Future production at Aqua Lung America will have burst disc assemblies installed using this same method.

Return Procedure:

1. If the End User chooses to return the Valve Assemblies to Aqua Lung America, email the following person(s):
 Misti Brown - Aqua Lung America Service and Repair Supervisor: mbrown@aqualung.com
 US Military Only: Also copy Theresa Lang, Naval Special Warfare Diving ISEA: Theresa.lang@navy.mil
2. In your email include:
 - Primary and secondary POC for this effort (include phone number)
 - Return shipping address, including valid street address (no APO's-FPO's)
 - Total quantity of valve assemblies you are returning in this shipment
 - Identify the number of packages you will be shipping
3. You will receive an email back from Aqua Lung America with an authorized return number to place on the outside of the box.

NOTE: There is no cost for labor however you will be billed for shipping.

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

Steve Reilly - Aqua Lung Military Product Manager: sreilly@aqualung.com

Glen Rubin - Aqua Lung Military Diving Program Manager: grubin@aqualung.com