

TECHNICAL BULLETIN

SUBJECT: Replacement of Flight Composite Diaphragm Clamp

PRODUCTS AFFECTED: Apeks Flight First Stage & Service Kit

Dear Dealer,

It has come to our attention that during the servicing of Flight first stage regulators, some service technicians may have added lubricant to the threads of the composite diaphragm clamp (AP5752) or the threads on the main valve body (AP5758).

The addition of lubricant to any thread allows any torque value to run out of specification, allowing the overtightening of the component. This can result in the potential failure due to increased stresses applied to the component in question.

*It is imperative **if any lubricant was applied** to the Flight diaphragm clamp thread or Flight valve body thread on previous service that you contact your customer and have them return the regulator to you for re-work immediately.*

RE-WORK: The diaphragm clamp must be replaced as damage may have occurred even if not visible or obvious. Prior to reassembly, the valve body should be cleaned and all traces of lubricant must be removed.

Going forward, the diaphragm clamp will be permanently added to the Flight First Stage Service Kit (AP0250) and will become a regular replacement part during service.

The images below have been used as an example to demonstrate the areas which lubricant must NOT be applied during servicing.



Should you have any questions regarding this issue,
please contact our customer service department at:
(877) 253-DIVE