

TECHNICAL BULLETIN

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MARK 2 AND SAR REGULATOR INLET THREAD SEALANT AND INSPECTION PROCEDURES

This bulletin applies to all Mark 2 second stage SCBA regulators, Mark 2 SAR regulators, and regulators (P/N 940160 and P/N 910504) mounted on XL-style facepieces. Applying the sealants should be performed during the next routine maintenance, or when a need for repair is discovered.

These instructions show how to apply a thread sealant and Sentry Seal to the inlets. These sealants will help prevent an accidental change in the lockup setting and will provide a visual indication that the inlet adjustment has not changed.

NOTE

Thread sealer P/N 820471 and Sentry Seal P/N 988198 are the only sealants that are NIOSH approved. Other thread sealants may affect the regulator or not provide a proper seal.

- I. APPLYING SEALANT WITHOUT CHANGING LOCKUP. The new sealants can be applied between servicing periods. No Portable Test Console (PTC) is required.

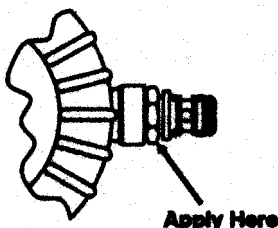
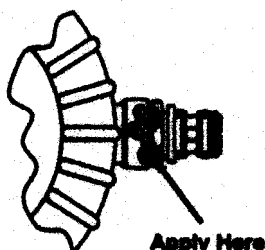


FIGURE 1.



1. Check inlet lockout for tightness. Do not attempt to tighten locknut or change the lockup setting. If there is any possibility that the original lockup has changed, conduct a full flow test on the apparatus using the SURVIVAIR Portable Test Console and the appropriate service manual.
2. Apply single bead of thread sealant (P/N 820471) to threads on the inlet. The sealant should touch the outside of the locknut. Allow to dry 5 minutes. See Figure 1.
3. Apply one drop of Sentry Seal (P/N 988198) to the side of the locknut. Using a dental pick or toothpick, stretch the paint until it touches the case. See Figure 2.
4. Allow the thread sealant and Sentry Seal to dry completely, approximately 20 minutes, before returning to service.

FIGURE 2.

5. Make appropriate entries on equipment records.

II. APPLYING SEALANT DURING SERVICING OR MAINTENANCE. This operation should be performed only when a SURVIVAIR Portable Test Console is available. Do not remove the inlet without performing a flow test.

1. Perform maintenance as required using the instructions in the service manual. Clean the remaining thread sealant and Sentry Seal from the inlet.

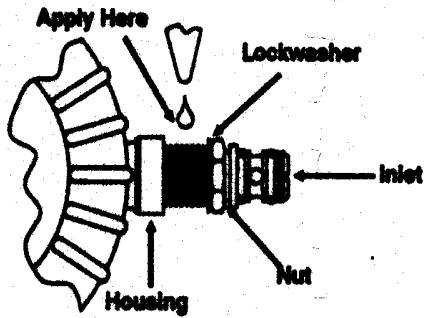


FIGURE 3.

2. Before installing the inlet, apply one small drop of thread sealant (P/N 820471) as shown in Figure 3. Do not allow sealant to flow into the case or obstruct the inlet flow holes.

3. Install the regulator inlet and new lockwasher in the housing.

4. Complete assembly of the regulator.

5. Make the final lockup adjustment during normal performance testing on the Portable Test Console. Then back off the locknut and apply one drop of thread sealant (P/N 820471) to the inlet threads near the case.

6. Hold the inlet with a wide blade screwdriver and tighten the locknut firmly.

7. Complete testing.

8. Add Sentry Seal (P/N 988198) to the locknut as shown in Figure 2.

9. Allow sealants to dry completely, before returning to service.

10. Make appropriate entries on equipment records.

III. USER/PERIODIC INSPECTION PROCEDURES: Add this inspection step to local inspection procedures and user/inspector training.

1. During each scheduled inspection, visually check the condition of the Sentry Seal on the regulator inlet. This thick blue sealant should be one unbroken piece stretching between the inlet locknut and the regulator case. If a broken seal is discovered, have a SURVIVAIR Certified Technician inspect the equipment and determine if a flow test is required.