

Product Information News

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1/4 TURN MMR SCBA DIAPHRAGM INSPECTION

If a diaphragm with incorrectly cut slits, leaving excess rubber around the center hole, is installed into a 1/4Turn MMR, it is possible for the regulator not to activate on the first breath. This excess rubber results in the diaphragm not releasing from the shut-off button.

Although the condition would be detected during the donning process, before use in a contaminated area, it is recommended that SCBA technicians inspect the diaphragm before installation as indicated below. Also inspect any unused diaphragms for this condition.

If a diaphragm was replaced in the last 6 months and a functional test or a flow test was not performed, it is necessary to conduct a functional test and a flow test of the apparatus. If the units have passed the functional test or have been used during the last 6 months, no further action is required.

INSPECTION OF NEW DIAPHRAGMS

1. Ensure three distinct slits are cut into the diaphragm nipple. Each cut must slice completely through the center of the diaphragm nipple.

NOT Usable

Unacceptable razor cut: incomplete cut and excess rubber



Usable

Acceptable razor cut: complete cut with no excess rubber around center hole



2. If the cuts are not completely through the center of the diaphragm nipple, do not use the diaphragm. MSA will replace diaphragms that do not have three distinct slits in the diaphragm nipple.

CAUTION

Do not use an incorrectly cut diaphragm; otherwise, flow activation will be affected.

Note: After completing the diaphragm change, refer to the Functional Tests section in the User's Instructions. Flow test the entire apparatus.

WARNING

After ANY maintenance procedures to the internal components of a regulator, the apparatus must be flow tested. Failure to follow this warning can result in serious personal injury or death.



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