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Technical Service Bulletin

Product Support

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Canada ☐
Europe & International ☑
USA ☐
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Description: All HYDR*IM*® G4 WD units C61WD & M2 G4; all markets except North America.

Internal cleaning of Backflow Preventer.

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Models and Markets: All HYDR*/M*® G4 WD units C61WD & M2 G4; all markets except North America.

Description: Internal cleaning of Backflow Preventer.

This instruction refers to the parts Backflow Preventer 01-113318S (C61WD) and 01-113853S (M2 G4).

The following additional materials are required for this step:

- 1x large syringe with tube
- 1x citric acid-based instrument neutralizer (for example, Dr. Weigert Neutralizer)

Cleaning of Backflow Preventer/Air Gap

1. Remove the top cover from the HYDR*/M* unit and the left side panel (C61WD) or rear panel (M2 G4).
2. Fill a large syringe with 50ml neutralizer and then inject it through the opening on the Air Gap (Fig. 1)
3. Turn on the device and go into the technician menu: Technician menu / Diagnostic tools / Component test / Filling Draining (Fig. 2**)**
4. IMPORTANT: Start the filling process by pressing the "On" button. Once the unit reaches the position “E = On, F = On” immediately press the "On" button again -> this will prevent the unit from activating the Air Gap pump and emptying the air gap.
    - WARNING: The device may still contain residues of dirty water. Be sure to drain them via the drain hose as described and do not pump into the wash chamber by starting the Air Gap pump. Otherwise, these contaminants can enter the pump and damage it.
5. Leave the liquid to work for approx. 10 minutes and tap gently on the side of the Backflow Preventer with the palm of your hand so that the agent spreads and the dirt dissolves.
6. Drain the liquid via the drain hose (at the bottom of the unit) and repeat the process with the filling from point 2 on, for further visible contamination (eg shadows, coverings, biofilm)

7. When there is no more contamination visible, apply another 25ml neutralizer with the syringe and inject it into the air gap via the opening. Fill the Backflow Preventer again by going into the Technician Menu / Diagnostics Tools / Component Testing / Filling Draining, but this time do not press the "On" button again after reaching the F-switch position. Thus, the Air Gap pump starts and is cleaned and descaled as it empties the air gap of the solution. If necessary, repeat this step also.

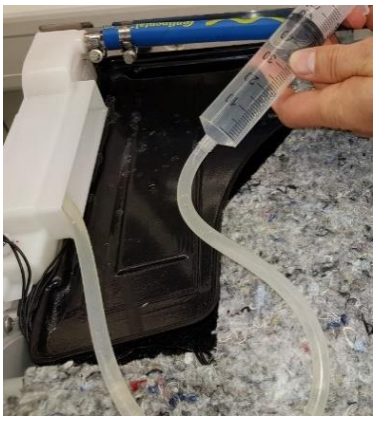

Fig.1: Filling Air Gap with Neutralizer

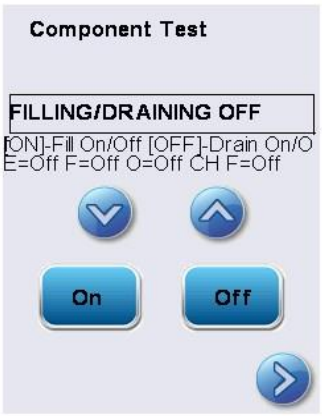

Fig 2: Component Test