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Samsung Gen2.1 Filter Installation Summary

2-22-17

Video File 1 – Checking the filter (https://www.youtube.com/watch?v=z7_PbXCWasU)

Installed filter
HDX (generic brand)



Replacement filter (Can NOT be installed)
Microfilter Gen1 – Brand filter



Video File 2 – Checking the filter (<https://www.youtube.com/watch?v=iCmwA1bhC8w>)

Installed filter
JIFFY (generic brand)



Replacement filter (Can NOT be installed)
3M Gen2.1 – Brand filter



SGEN 2.1 Key Lug Geometry

- The key lug geometry on older Water Sentinel branded filters is approx. 0.060" less than the current 3M design.
- Water Sentinel & HDX brand are made by the same manufacturer (TST Water, LLC) in the USA.
- The most recently purchased HDX version has different geometry and is now the same width as the 3M (Brand) design.

3M (Brand) Design



Most Recent HDX Design



Older HDX & Water Sentinel Design



HDX



Water Sentinel



SGEN 2.1 Key Lug Geometry

- **Fig 1:** Manifold with valve in its “home” position.
- **Fig 2:** Removal of Water Sentinel & HDX filter.
- **Fig. 3:** Inner valve is not clocked back to the “home” position due to the narrower width of the key lug geometry on the Water Sentinel filter and the ability of the new HDX keys to deform. Both versions can create the same condition making it difficult to re-install a 3M (Brand) version.



Fig. 1



Fig. 2



Fig. 3

Solutions

- End user can install the old HDX branded filter and fully turn the filter counter-clockwise upon removal to move the inner valve to its home position.