Model Year 2017, 2018 - Fuel Filter Change (Primary And Secondary) For The EM - USA17 Emission Engines

Ь П

> Internal Content

The new EM - USA17 Emission Engines Secondary Fuel Filters have a " DEEP " groove end cap with a seal to fit on the new Fuel Filter Housings. Previous filters had a " SHALLOW " groove end cap and will not fit nor seal properly on EM - USA17 Emission Engines Fuel Filter Housings. It is also possible that metal debris may be created when trying to install the incorrect filter as seen in the attached pictures here. The Secondary Filter is mounted in the forward position on the Fuel Filter Housing. The Primary Filter is mounted behind the Secondary , or on the frame rail.

EM - USA17 Emission Engines require a 4 micron Secondary Filter.

Volvo

- 21764964 Primary Filter, Long Life
- 21764966 Primary Filter, standard
- 22474709 Secondary Filter, Long Life
- 22253547 Secondary Filter, standard

Mack

- 22094967 Secondary Filter, Long Life
- 22094987 Primary Filter, Long Life

Fuel Filter Installation Instructions

- Clean contact surface
- Apply engine oil to the seal
- Install filter
- Hand tighten the filter until the seal makes contact with the filter base. Once the seal has made contact tighten the filter an

ndditional 1/2 turn

^{_____}Live UI</sup>)perate the pump by hand until resistance is felt

≣



Tags k35020211 volvo mack

Related links and attachments

No links or attachments available



Give feedback

to help improve the content of this article



US2017 engines use New Primary and secondary engine fuel filters P/N 22474709 = Volvo Secondary extended Life P/N = 21764964 = Volvo Primary (engine mounted) extended life



Large capacity Filter media 4 Micron rating

Deep Groove-to fit on the US2017 FF housing Note: fits all D11, D13 engines US2017 engines use New Primary and secondary engine fuel filters P/N 22094967 = Mack Secondary extended Life P/N = 22094987 Mack Primary (engine mounted) extended life



Pre-US2017 Secondary engine fuel filter P/N 21879886 DOES NOT FIT US2017 emission engines



Shallow Groove- Does Not fit on the 2017 fuel filter housing



Filter end cap comparison



New



Volvo 21879886 Shallow Groovewill not fit on the US2017 fuel filter housing

This filter fits US2017 and earlier engines

Volvo P/N 22474709 Mack P/N 22094967 Deep Groove-to fit on the 2017 engine fuel filter housing

US2017 Fuel filter housing

Fuel Filters should be installed dry. Then use the Hand Primer to pull fuel through the filter(s). Ensuring filtered fuel is sent to the engine.

New Hand Primer



Primary Filter Location

Secondary Filter Location After attempting to install a filter that hits the filter restrictor, we removed the filter and noticed aluminum on the filter and the housing



