



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



Internal Content

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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

Live UI Filter Installation Instructions

• Clean contact surfaces

- 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 additional 1/2 turn
- Operate the pump by hand until resistance is felt



The image below is an example of a fuel filter housing that shows evidence of the fuel filter being over torqued.



 Tags

- [k35020211](#)
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- [mack](#)
- [fuel filter installation](#)
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