

Fuel filters always on the thrust side

Fitting instructions for electric fuel pumps

Vehicle:	Product:	Electric fuel pump
all vehicles provided with electric fuel pump	PIERBURG No.:	various

Complaints:

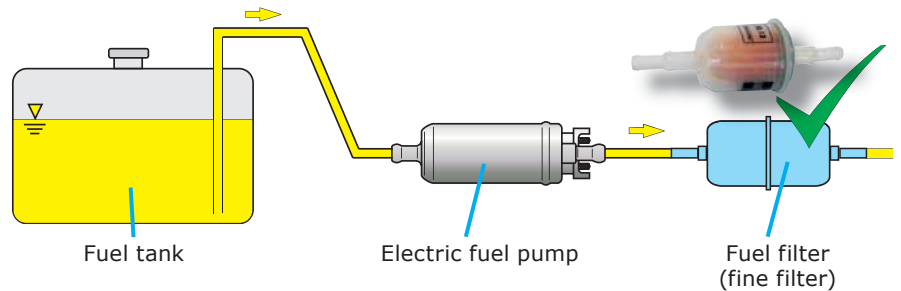
- Poor engine performance
- Jerking
- Misfiring
- Defective fuel pump

Whenever an **electric fuel pump is retrofitted**, it is essential to watch out for the following:

The fuel filter (fine filter, paper filter) must **always be on the thrust side**, i.e. in the direction of flow **behind the fuel pump**.

Modern fuel pumps are mostly flushed by fuel and, as a result, simultaneously lubricated and cooled.

If a fuel filter is installed on the intake side, there is a risk of "running dry", which can very quickly result in damage to the pump system.



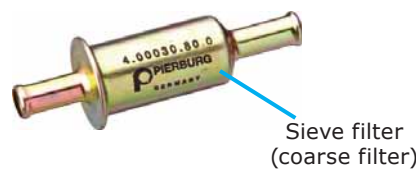
A fuel filter must always be installed on the thrust side of the fuel pump.



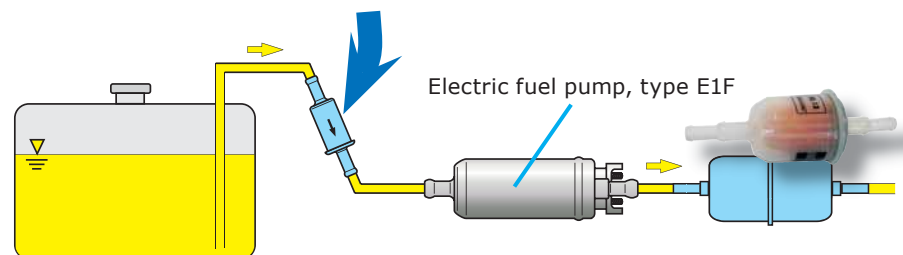
Damage as a result of running dry

We recommend to install a wide-meshed sieve filter (mesh size 60...100 µm, e.g. PIERBURG No. 4.00030.80.0) in front of type E1F fuel pumps.

It should be replaced at the same maintenance interval as the fuel filter



Only for type E1F fuel pumps:
A sieve filter protects the E1F against dirt and foreign particles.



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