



EDGE PERFORMANCE
AIRCRAFT ENGINES - FUEL INJECTION KITS - TURBO CONVERSIONS



ALERT SERVICE BULLETIN

INSPECTION, CLEANING AND/OR REPLACEMENT OR REMOVAL

OF SINTERED BRASS FUEL FILTER

ASB-EPEFI 001

1) Affected Engines

All engines fitted with EdgePerformance EFI kits, 912iS/915iS engines using Edge dual fuel pumps, and/or all Edgeperformance aero engines including EPeX engines.

2) Reason

As a result of Mogas containing ethanol and the use of certain fuel hoses or fuel tanks which are not compatible with ethanol, some customers have run into low fuel pressure or fuel starvation issues. The sintered brass fuel filter within the fuel pump assembly has in some cases become almost totally clogged from fuel hose or tank sealer contamination. See ref. image 1 and 2.

3) Actions Required

Anyone flying with the Edgeperformance dual high pressure fuel pump assembly, must within the next 25 hours of operation remove and inspect the fuel filter. A high-capacity Bosch fuel filter shall be installed between the pump assembly and the fuel rail, so in any case the sintered brass filter is visibly contaminated, the filter must either be replaced or totally removed.

4) Work Required

Filter inspection, replacement, or removal.

5) List Of Parts

- ✓ Sintered brass fuel filter (PN: EPSBFF)

6) Work Description

1. Undo the AN6 fuel fitting on the top of the pump assembly.
2. Remove the pump hex cap.
3. Pull out and inspect the fuel filter and replace or remove completely.

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4. Re install hex cap, apply some O-ring lube of acid free Vaseline on the two O-rings, torque to approx. 10Nm.
5. Install the AN6 fuel line fitting and secure.
6. Run the fuel pumps on ground with the engine OFF and inspect for any leaks.
7. Perform a ground run before putting aircraft back into service.



Image 1. Clogged fuel filter resulting in very reduced fuel flow

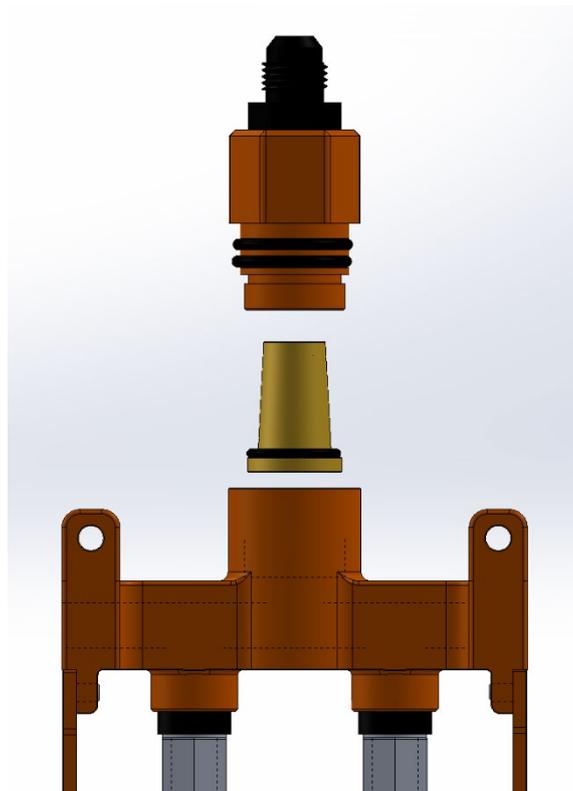


Image 2. Showing the location of the sintered brass fuel filter

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Image 3. All EFI engine installations shall have such a high flow, high pressure fuel filter between the pump and fuel rail