



## Inspection of Fuel Tanks

**Classification:** Mandatory

**Applicability:** All Europa aircraft

**Compliance:** Within the next 25 hrs of flight time and every three years or 150 hours thereafter.

### **Introduction:**

Reports have indicated fuel tank leaks of varying severity, potentially worsened by higher Ethanol content.

This Service Bulletin mandates an in situ pressure test on the fuel tank to verify its integrity.

There is an existing approved repair scheme that covers the replacement of the fuel tank if deemed necessary.

### **Special Equipment:**

SB19TestKit – This kit comprises hoses, bungs, a pressure gauge and a Schrader tyre valve so that pressure can be applied using a standard car foot pump or electric inflator.

### **Action:**

Per CS-VLA965 (c) a pressure of 14 kPa (2psi) is to be used.

Drain the main tank by any appropriate means - one method is to disconnect the fuel line at the engine mechanical pump and operate the electric pump with the aircraft tail raised.

The tank filler pipe, lower fuel outlets and upper vent hose are to be removed.

Openings to be bunged by suitable means or using the SB19TestKit that can be supplied by Europa Aircraft. If use is not made of the SB19TestKit then a means to apply and to monitor the pressure needs to be devised.

Pressure to be applied for a period of 2 minutes. The pressure in the tank is to be continually monitored and if it reduces by any amount then this would indicate that there is a leak in the tank that warrants further investigation and likely replacement.

### **Logbook Entry:**

Annotate the logbook: **Service Bulletin 19 performed**

If you have received this service bulletin and are no longer the owner of the aircraft, please contact [europa@europa-aircraft.com](mailto:europa@europa-aircraft.com) with contact details of the new owner, if you have those. Alternatively if you have any queries regarding the SB then please do not hesitate to contact us.



**Background Information:**

All information relevant to the Europa Aircraft fuel system are listed below.

- Europa Build Manual – Section 16 (Fuel Tank)
- Europa Build Manual – Section 30 (Fuel System)
- Europa Mod No 27 – Modification to Purolator PRO805 Filter
- Europa Mod No 31 – Modification to fuel level sight gauge
- Europa Mod No 34 – Fuel tank vent pipe extension
- Europa Mod No 38 – Modification to fuel tank and gauge vents
- Europa Mod No 40 – Modification to Rotax fuel system
- Europa Mod No 49 – Modification to Fuel Filters
- Europa Mod No 60 – Electric Fuel Contents Gauge (Float Type)
- Europa SB 01 – Fuel Vapour Locking
- Europa SB 02 – Fuel Filler Hose
- Europa SB 04 – Facet Electric Fuel Pumps