

1. De-rig the motor glider.
2. Empty main and feeder tanks completely. To accomplish this, disconnect the fuel supply line from the mechanical fuel pump on the engine mount and hold the hose end in a fuel container of at least 17 litres. Then activate the main switch and switch on ignition on DEI, to empty both fuel tanks by the electrical fuel pump. The remainder of the fuel can be emptied by the drainer valve.
3. Identify which type of optical sensors is installed, see figure 1.

The ELS-1100 (Figure 1, right) is sensible to excessive air humidity and must be exchanged.

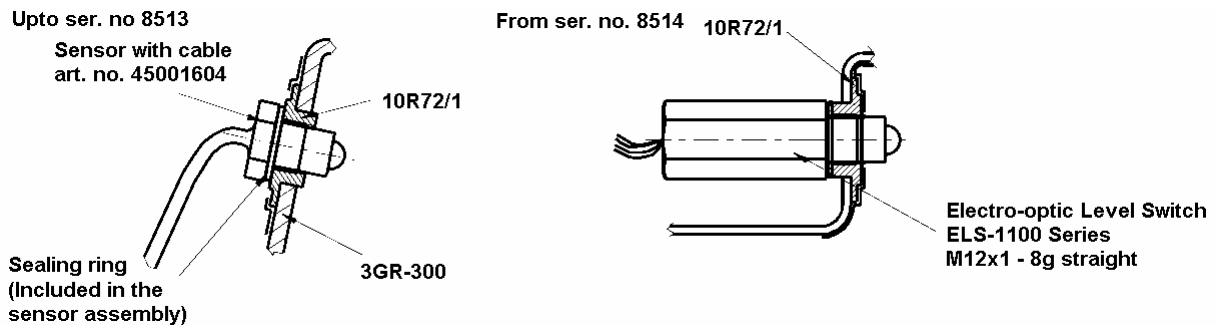


Figure 1

## Exchange of sensors:

### A – Sensor in main tank

4. Remove the bolts from the main tank support and disengage the main tank from its rear support, disconnect and unscrew the optical sensor, see figure 2 left.
5. The optical sensors (Konfekt. Sensortechnics, art. no. 45001605) must be screwed in up to the sealing ring.

**Caution:** If the sensor is screwed in with excessive torque, the plastic thread of the sensor may be damaged.

6. Connect the sensor connector again and secure it with a ty-rap. Fix the connector with another ty-rap at the ty-rap holder.

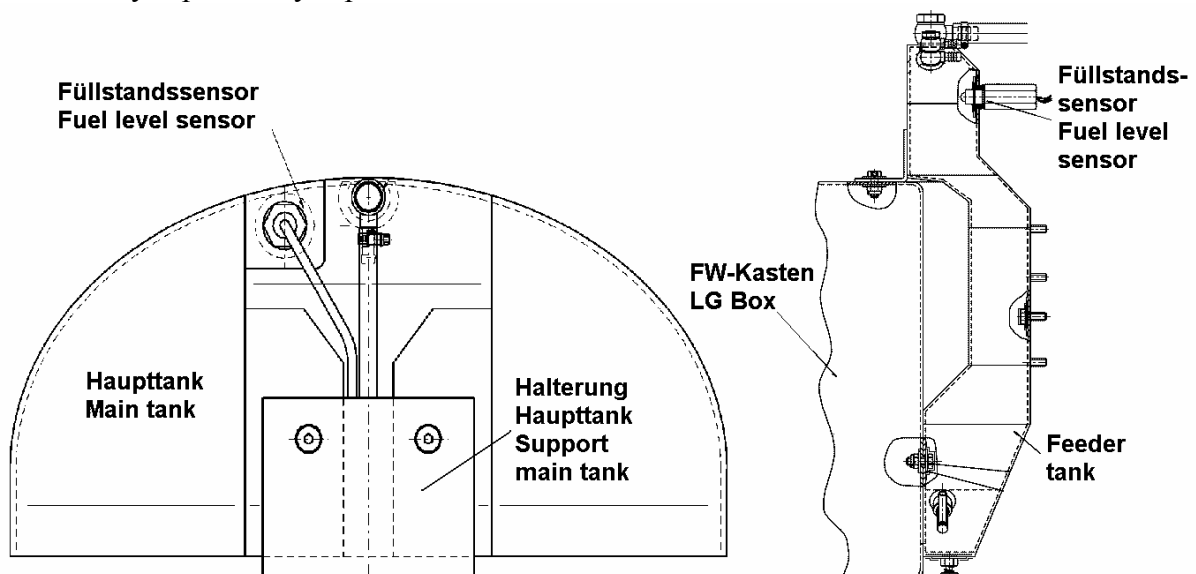


Figure 2

### **B – Sensor in feeder tank**

7. To exchange the optical fuel level sensor in the feeder tank, the baggage compartment floor and rear wall have to be disassembled.
8. Disconnect and remove the optical sensor from the feeder tank, see figure 2 right.
9. The optical sensors (Konfekt. Sensortechnics, art. no. 45001605) must be screwed in up to the sealing ring.

**Caution:** If the sensor is screwed in with excessive torque, the plastic thread of the sensor may be damaged.

10. Connect the sensor connector again and secure it with a ty-rap. Fix the connector with another ty-rap at the ty-rap holder.
11. Reinstall the baggage compartment floor and rear wall. Reinstall and fix the main tank.