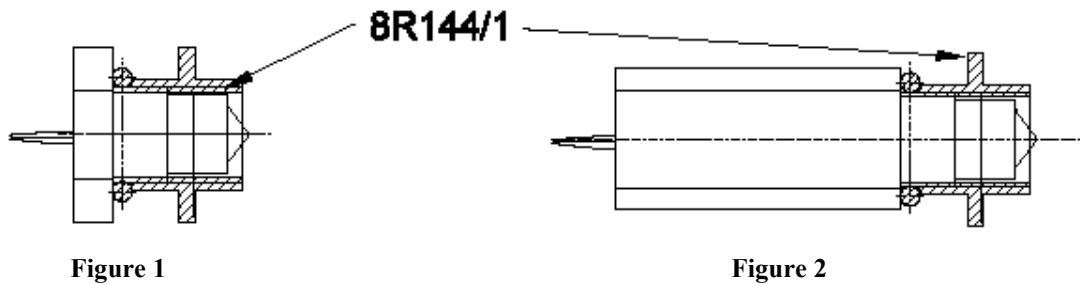


1. De-rig the motor glider, switch off the master switch.
2. Remove the baggage compartment floors and rear wall.
3. Identify which type of full tank sensor is installed. The sensor is screwed into insert 8R144/1 (see diagram 11 MM) at the rear upper end of the fuel tank  
The sensor shown in figure 1 should be installed.  
The sensor shown in figure 2 (Type GEMS ELS-1100) will be impaired by the fuel after a certain time and needs to be replaced.



### **Exchange of sensor:**

4. Disconnect the wiring and unscrew the optical sensor.  
**Caution:** If the sensor is swollen due to the fuel contamination it may be very difficult to unscrew the sensor without twisting it off. In this case remains of the sensor must be removed by re-cutting the thread (M12x1). Be careful that nothing falls into the fuel tank.
5. A sensor Part. no. 45001605 (assembled with plug and wiring) must be screwed in with the sealing ring 10x2.5 FPM (supplied with the sensor), use a Teflon sealing tape at the thread..  
**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.  
**Caution:** If the master switch is in “on” position while connection the wiring of the sensor, the electronics of the sensor may be damaged.

### **Material:**

- 1 Tank full sensor incl. sealing-ring, Part No. 45001605
- Teflon-sealing tape 0,1 x 12 mm, roll with 12 m, Part No. 70000370
- 2 Ty-raps 140x3,6 , Part No. 60510952