OILTAP® V delivered from October 2007
Removing and re-installing the gear unit with pressure spring energy accumulator

Validity of this document
This supplement applies to all OILTAP® V on-load tap-changers delivered from 1 October 2007. The supplement complements Inspection Instructions IA 113/01.

Removing the gear unit - amendment to section 3.4 of Inspection Instructions IA 113/01

**CAUTION!**

Risk of damage to the on-load tap-changer and transformer!
Avoid dropping parts into the oil compartment.
Otherwise, there is a risk of the on-load tap-changer blocking.
Therefore, make sure you have the correct number of small parts during disassembly and reinstallation.

The gear base plate is attached to the on-load tap-changer head with five M8 x 20 bolts (see Figure 1).
Please note the red markings, which aid re-installation of the gear unit (see adjustment plan).
Release the screw connections of the suction tube (R, 3/4", width A/F27, width A/F39) (see Figure 1).
Avoid damaging the gasket.

Release the 5 bolts (M8 x 20/width A/F13, see Figure 2.
Avoid dropping the lock washers into the on-load tap-changer oil compartment.
Lift the gear unit out of the compartment (see Figure 2).
Re-installing the gear unit – amendment to section 7.4 of Inspection Instructions IA 113/01

The gear unit re-installed in reverse order.

Move the gear unit to the adjustment position. The adjustment position can be found based on the position indicator disc and the red markings on the gear unit (see adjustment plan). The gear unit must be in this position for installation and coupling with the on-load tap-changer insert.

When inserting the gear unit please ensure that the roller of the drive lever for the change-over selector engages in the groove of the change-over selector.

**Fastening the gear base plate:**

Fasten the gear base plate in the on-load tap-changer insert with the five bolts removed during disassembly (M8 x 20/width A/F13), max. tightening torque 14 Nm. Secure the bolts with lock washers.

The re-assembled unit is shown in Figure 4.