



## UL - gearbox "B" for engine types 532 and 582

**ATTENTION:** This Service Information must be added to the Operator's Manual of your engine type 532 or 582!

### 1) General:

On UL-gearboxes, "B" version (without adapter between crankcase and gearbox), fitted to the engine in **SZ** or **HZ** configuration (i.e. propeller shaft offset towards cylinders)-see illustrations - the gearbox housing **must** be exchanged. This also applies to those gearboxes that have been refitted or will be refitted to this configuration.

A special retrofit kit, part no. 810 108, is available, including the following parts:

1 x	810 107	gearbox housing with 6 fixation points
2 x	929 670	dowels
1 x	930 535	gasket
1 x	932 091	ball bearing 6304 (already installed in the gearbox housing)
2 x	841 306	hex. collar screws M8 x 65

If a 2-piece radiator is fitted on engines up to serial no. 3,916.822, in addition  
2 x 847 760 threaded adapters are needed.

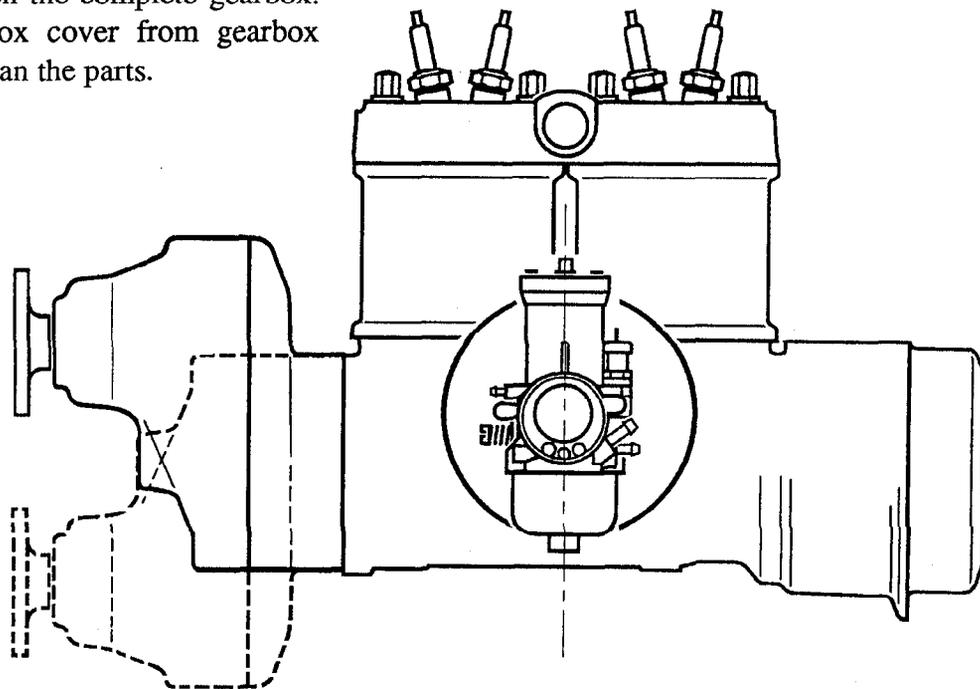
### 2) Procedure:

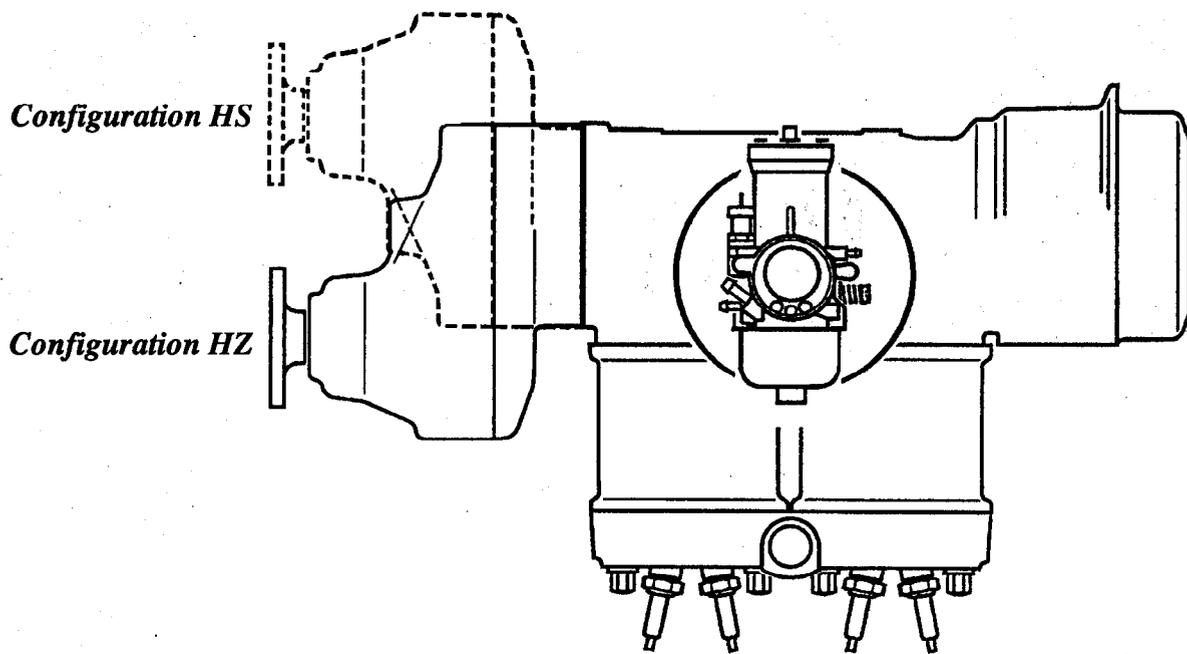
#### 2.1) Gearbox removal:

Remove wire lock and magnetic screw and drain gear oil. Remove 2 hex. screws and 4 hex. nuts M8. Detach the complete gearbox. Separate gearbox cover from gearbox housing and clean the parts.

*Configuration SZ*

*Configuration SS*





## 2.2) Refitting of gearbox:

Clean the contact surfaces on crankcase, degrease and apply LOCTITE 648. Fit the O-ring in the new gearbox housing (with 6 fixation points) having the ball bearing already installed. Push the gearbox housing to the crankcase centering and tighten it with 2 hex. collar screws M8 x 65 equally. Tightening torque: 24 Nm.

Insert the 2 dowels into the gear housing and apply new gasket. Fit the complete gearbox. Tighten it with 4 hex. nuts with lock washers and 2 hex. screws M8 x 110 and tighten equally with 24 Nm.

**ATTENTION:** The time between tightening of gear housing and gearbox cover should be kept as short as possible to avoid premature hardening of Loctite.

Tighten the cleaned magnetic screw with gasket. Remove the lower oil level screw and the venting screw. Refill with the prescribed gear oil up to the oil level screw. Tighten the 2 screws.

Secure all fasteners with wire lock.