

**HED R 3-2 and R 4-2 exhaust gas turbocharger**

Previous operating experiences gathered with HED turbochargers have proven that due to combustion residues a safe removal of the turbine casing from the bearing housing is not always possible without problems.

HED, therefore, issued the service information No. 37 which you will find attached as supplement of the operating instructions.

During disassembly of the turbocharger for reasons of overhaul or cleaning, please pay attention to this information.

**Dismantling of the turbine housing / bearing housing**

In addition to the description of the dismantling of turbine housing/ bearing housing given in the operating instruction it is recommended to note following:

- During heavy oil operation, the connecting flange between turbine and bearing housing is contaminated by carbon-sulfide residue and soot even after a short time of operation.
- This contamination causes a firm, 'burned-together' connection of both housings.
- Dismantling the housings solely by the help of forcing screws could result in a deformation and/ or cracking of the bearing housing flange.

To avoid this:

1. Wet the connecting flange with diesel oil or rust removing agent, wait few minutes.
2. Screw in 4 forcing screws, tighten them carefully and uniformly. If deformation of the flange starts, stop immediately!
3. Use short hammer blows to the turbine housing to detach the connection with the help of the forcing screws as well.

If the space in the engine room and on the engine is small, it is recommended to remove the "turbine housing and bearing housing", as an assembly, from the engine and clamp it with the feet of the bearing housing in a vice or mount it on a rack.



**Don't use enormous forces! If it's impossible to dismantle the casings, a Service-engineer should be claimed!**



For the R3-2 - type the foot is mounted on the turbine housing.

For the R4-2 - type the foot is mounted on the bearing housing.