

B 0.2 Engine, Installation, Accessories

Group	Number	Version
B 0.2	smc-09-82 vwm-09-02	01

Lubrication of the turbocharger`s variable turbine geometry affective for all turbo charged 5-cylinder engines (BSP, ANH, BCU, ANG, . . .)

To be performed:

- Friction in the variable turbine geometry (power reduction, fault code 17563).
- Longer periods of down time (>3 months, winter service)
- In addition to the 200 hours service

Operational procedure:

1. Loosen the bolt and take off the clamp (fig. 1).
2. Take away the exhaust elbow (fig.2).
3. Loosen the spring clip from the shaft (fig.3 / pos.1) and slide the rod sideways on the shaft to the border (fig. 3 / pos.2).
Attention
Make sure not to push the rod off the shaft, otherwise the spring loaded membrane of the vacuum unit will take effect.
4. Apply an appropriate amount of protective grease (P/N: 052 112 A3) to the shaft.
5. Mount back the spring clip into the original position and fix the clip of the leverage (fig3. / pos.3).
6. Use a 14 mm wrench on the lever (fig. 4), to open the geometry inside the turbo.
7. Spray a penetrating anti corrosion oil (WD 40) into the turbine.
8. Insert the plastic tube into the guide blades of the turbine in 4 positions (every 90°) (fig 5) and inject spray for max.1 second.
9. Open and close the geometry about 20 times (fig. 4).
10. Repeat the spraying procedure (7.) with a non hardening, high temperature graphite spray (e.g. Chesterton 785) and in doing so move the guide blades again (fig.4).



fig.1



fig.2

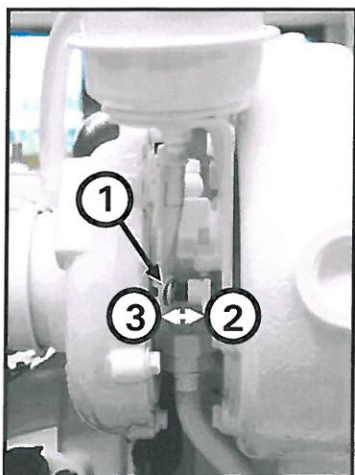


fig. 3

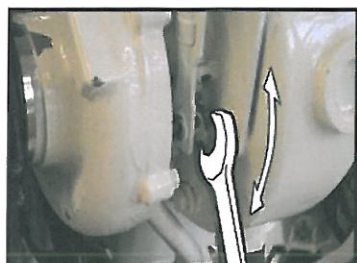


fig. 4

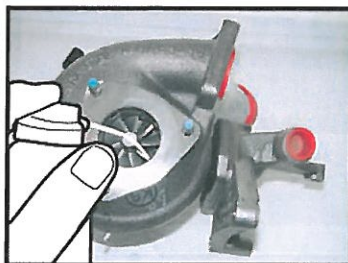


fig. 5