

Maintenance schedule VN/87plus

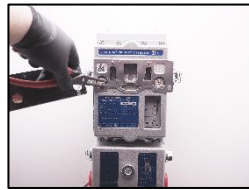
NOTE: All maintenance steps should be performed while engine is stopped!

Procedure no:	What to do:	Interval & Part kit to be used:
Procedure 1	<ul style="list-style-type: none"> Check the negative pressure with u-tube manometer or digital manometer. Adjust if necessary! Setting level is 55.00 – 65.00 mmWC! Replace the sintered bronze air filter/fresh air filter in the measuring head. Clean both infrared sensor glasses in the measuring head with cotton pins and cleaning fluid. Perform functional test with test glass kit. 	<p>Every 3 months or 2 000 engine running hours – <u>whatever comes first!</u></p> <p>Kits to be used: Filter kit VN/87 – P/n.: 151481BU</p> <p>Cleaning kit – P/n.: 151482</p> <p>Test glass kit – P/n.: 11072</p>
Procedure 2	<ul style="list-style-type: none"> Replace filter in pressure regulator. <p>If you have a water separator:</p> <ul style="list-style-type: none"> Replace filter cartridge of water separator. 	<p>Every 6 months or 4 000 engine running hours – <u>whatever comes first!</u></p> <p>Kits to be used: Filter cartridge – P/n.: 273119</p>
Procedure 3	<ul style="list-style-type: none"> Inspection of gaskets, suspensions, and bellows. Replace complete service kit on OMD. Clean the inside & outside of base plate. Check performance of pressure regulator-replace parts if necessary! Clean suction pipes/ pipe system and siphon blocks with compressed air! Check scavenging air outlet behind the control cover manually (low-right) by feeling the air stream. 	<p>Every 12 months or 8 000 engine running hours – <u>whatever comes first!</u></p> <p>Kits to be used: Yearly maintenance kit for: VN 115/87 – P/n.: 100150-151483 VN 116/87 – P/n.: 100151-151484 VN 215/87 – P/n.: 100152-151485</p>
Procedure 4	<ul style="list-style-type: none"> Authorized service personnel will perform an inspection of complete OMD installation. Condition of main parts to be checked and replaced if necessary! <p>For authorized service contact: epp@epp.no or phone: +47 92 46 32 20!</p>	<p>Every 24 months or 16 000 engine running hours – <u>whatever comes first!</u></p> <p>Kits to be used: Yearly maintenance kit for: VN 115/87 – P/n.: 100150-151483 VN 116/87 – P/n.: 100151-151484 VN 215/87 – P/n.: 100152-151485</p> <p>Cleaning kit – P/n.: 151482</p> <p>Smoke test kit – P/n.: 151780</p>
Procedure 5	<ul style="list-style-type: none"> Authorized service personnel will perform an inspection of complete OMD installation. Condition of main parts to be checked and replaced if necessary! <p>For authorized service contact: epp@epp.no or phone: +47 92 46 32 20!</p>	<p>Every 48 months or 32 000 engine running hours – <u>whatever comes first!</u></p> <p>Kits to be used: Yearly maintenance kit for: VN 115/87 – P/n.: 100150-151483 VN 116/87 – P/n.: 100151-151484 VN 215/87 – P/n.: 100152-151485</p> <p>Cleaning kit – P/n.: 151482</p> <p>Smoke test kit – P/n.: 151780</p> <p>Exchange oil mist detector components for: VN 115/87plus – P/n.: 11650EXP P/n.: 11651EXP VN 116/87plus – P/n.: 11750EXP P/n.: 11751EXP VN 215/87plus – P/n.: 11850EXP P/n.: 11851EXP</p>

Procedure 1:



1. Check the negative pressure with a u-tube manometer. Adjust if necessary! Setting level is 55.00 – 65.00 mmWC!



2. Replace the sintered bronze air filter/fresh air filter.



3. Clean the fresh air bones in the measuring head. Use the cleaning needle.



4. Clean the infrared sensor glasses at the left and the right side inside the measuring head. Use cotton sticks and cleaning fluid.

Procedure 2:



1. Close the air pressure.



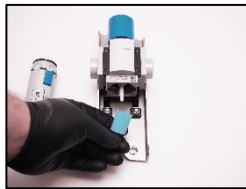
2. Hold the filter cage in one hand and pull the blue tab down horizontally with your thumb.



3. Turn the filter cage clockwise and pull out downwards.



4. Unscrew the black plastic disc and remove the dirty filter.



5. Screw in the new filter counter clockwise and make sure that it is aligned for installation.



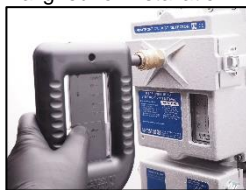
6. Reinstall the filter cage.



7. Install the quick connection.



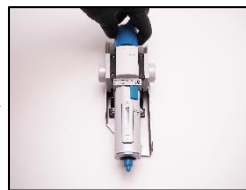
8. Fill in slacked water in the u-tube manometer.



9. To the middle line.



10. Install the u-tube manometer.

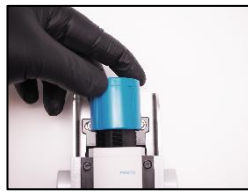


11. Adjust the air pressure to 55.00 – 65.00 mmWC!

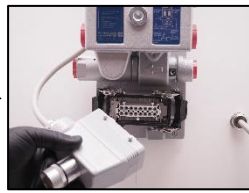


12. Disconnect the u-tube manometer and install the plug for inspection cover.

Procedure 3:



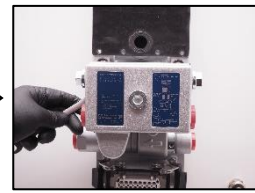
1. Stop the engine and reduce the incoming air pressure.



2. Disconnect the RESET connector.



3. Dismount the measuring head.



4. Disconnect the connection case.



5. Change the small seal.



6. Change the valve box seal.



7. Reconnect the connection case to the base plate.



8. Unscrew the vibration plate.



9. Change the upper and lower elastic mounting system.



10. Change the flexible bellows.



11. Reinstall the vibration plate to the base plate.



12. Change the measuring head seal.



13. Reinstall the measuring head at the vibration plate.



14. Open the inspection cover.



15. Change the scavenging air filter.



16. Change the seal for inspection cover.



17. Clean the infrared sensor glasses with cotton sticks and cleaning fluid.



18. Clean the bores with cleaning needle.



19. Change the screw plug seal 1/4" for inspection cover.



20. Close inspection cover.



21. Unscrew the plugs at the connection case.



22. Change the screw plug seal 1/2" for inspection cover.



23. Check the heating element if it is hot. If cold – replace!



24. Check all leaders in the main socket. If bad condition – replace!

Procedure 4:

Authorized service personnel will perform an inspection of complete OMD installation. Condition of main parts to be checked and replaced if necessary!

Procedure 5:

Authorized service personnel will perform an inspection of complete OMD installation. Condition of main parts to be checked and replaced if necessary!

Recommendation: If authorized service personnel are unable to be used for various reasons, exchange unit set can be replaced. If this option has been performed, please notify us at epp@epp.no.
