

Recommended maintenance schedule Visatron VN/87 EMC

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

	What to do:	Interval:	Part kit:
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 60,00 mmH₂O! 	Every month or 650 engine running hours. (Whatever comes first)	U-tube gauge kit - Part no.: 270532
Procedure 2	<ul style="list-style-type: none"> Replace the sintered bronze air filter/fresh air filter in the measuring head. Clean the fresh air bores in the measuring head. Use the cleaning needle. Clean both infrared sensor glasses in the measuring head with cotton pins and technical alcohol. Perform functional test with test glass kit. 	Every 3 months or 2 000 engine running hours. (Whatever comes first)	Filter kit VN/87 – Part no.: 151481BU Cleaning kit - Part no.: 151482 Test plate kit - Part no.: 11072
Procedure 3	– Replace filter in pressure regulator. If you have a water separator: <ul style="list-style-type: none"> Replace filter cartridge of water separator. 	Every 6 months or 4 000 engine running hours. (Whatever comes first)	Filter cartridge – Part no.: 273119
Procedure 4	<ul style="list-style-type: none"> 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! 	Every 12 months or 8 000 engine running hours. (Whatever comes first)	Maintenance kit VN115/87 EMC – 100150-151483 Maintenance kit VN116/87 EMC – 100151-151484 Maintenance kit VN215/87 EMC – 100152-151485
Procedure 5 Recommendation Use authorized service personnel for this procedure.	<ul style="list-style-type: none"> Replace measuring head. Use our Exchange Pool Service (ExP) for this procedure! <u>NOTE: When ordering an exchange unit - always inform us about engine type!</u> 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 sampling funnels/pipe system. If your system has siphon blocks: <ul style="list-style-type: none"> Replace rubber inserts and o-rings in siphon blocks (Part no.: 10095/360106 & 365287). <p><i>If you are ordering a complete exchange oil mist detector unit, there is no need to replace maintenance kit for base plate.</i></p>	Every 48 months or 32 000 engine running hours. (Whatever comes first)	Maintenance kit VN115/87 EMC – 100150-151483 & exchange unit! Maintenance kit VN116/87 EMC – 100151-151484 & exchange unit! Maintenance kit VN215/87 EMC – 100152-151485 & exchange unit!

Procedure 2:



1. Check the negative pressure with a u-tube manometer. Adjust if necessary! Setting level is 60,00 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 3:



1. Close the air pressure.



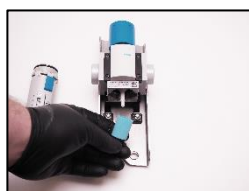
2. Hold the filter cage in one hand and pull the blue tab down horizontally with your thumb.



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.

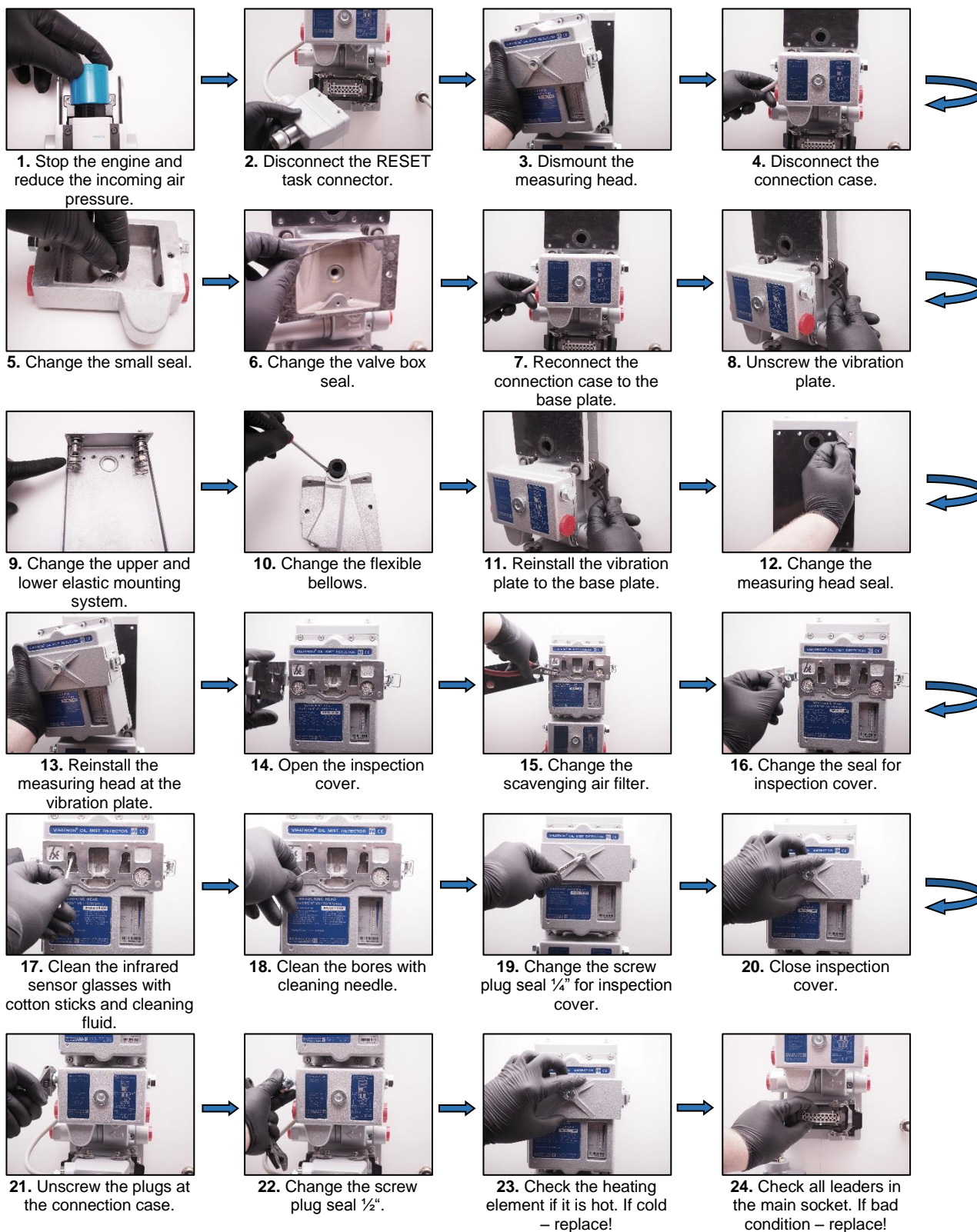


11. Adjust the air pressure to 60.00 mmWC.



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

Procedure 4:



Procedure 5:

1. Stop the engine and remove the measuring head.



2. Clean the inside and outside of the base plate and replace all the parts in the maintenance kit part no.: 100150-151483.



3. Install the new exchange measuring head. When starting up the OMD device, please check the negative pressure and adjust if necessary! See procedure 1. Make final test of the system to ensure that oil mist detector operation is safe.

