



## Recommended maintenance schedule VN/87 EMC

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

Proc. no.:		Description of work:	Section no.:	Interval & required parts/tools:
1	•	Check the negative pressure with u-tube manometer or digital manometer. Adjust if necessary! Setting level is 55.00 – 65.00 mm WC!	01.87	Every month or 650 hrs.  -whatever comes first!  151800 - U- tube gauge or 100138 - Digital u- tube man.
	•	Perform procedure 1		Every 3 months or 2000 hrs.
2	•	Clean infrared filters in measuring head with cotton pins and cleaning fluid and clean fresh air bores with cleaning needle.	<u>02.87</u>	- whatever comes first!
	•	Exchange air filters in measuring head	<u>03.87</u>	151481 - Filter kit VN/87
	•	Perform functional test with test glass kit.	<u>04.87</u>	151482 - Cleaning kit. 11072- Test glass kit
3	•	Perform procedure 1 and 2		Every 6 months or 4000 hrs.
	•	Exchange air filters in pressure regulator unit	<u>05.87</u>	- whatever comes first!
	•	If you have a water separator.  Replace filter cartridge of water separator.	<u>06.87</u>	273119- Filter cartridge
4	•	Perform procedure 1, 2 & 3		Every 12 months or 8000 hours.  -whatever comes first!
	•	Clean inside and outside of the base plate, check and replace service kit parts for oil mist detector.	<u>07.87</u>	
	•	Check performance of pressure regulator- replace necessary parts!	<u>01.87</u>	
	•	Check and clean suction pipes/ pipe system and siphon blocks with compressed air - replace necessary parts!  Do not forget to refill the siphon blocks!	<u>08.87</u>	Service kits:
	•	Check scavenging air outlet behind the control cover manually (low-right) by feeling the air stream.	<u>09.87</u>	VN 115/87 - P/n.: 100150-151483 VN 116/87 - P/n.: 100151-151484 VN 215/87 - P/n.: 100152-151485
5	•	Perform procedure 1, 2 & 3		Every 48 months or 32 000 hours
3	•	Replace measuring head unit and main service kit or	<u>10.87</u>	-whatever comes first!
		replace complete oil mist detector from exchange pool. As an alternative, use authorized service personnel to define the condition of the main components – to be replaced as necessary!	<u>11.87</u>	Main service kits: VN 115/87 – P/n.: 100150-151483 VN 116/87 – P/n.: 100151-151484 VN 215/87 – P/n.: 100152-151485
	•	Perform functional test of entire OMD system with smoke ampulla kit or smoke generator.		151482 - Cleaning kit 151780 - Smoke test kit
	•	Inspection of entire OMD system.		150740 - Smoke test generator
				Exchange parts: VN 115/87 EMC – P/n.: 10600EXP VN 116/87 EMC – P/n.: 10700EXP VN 215/87 EMC – P/n.: 10800EXP

The recommended maintenance schedule must be followed as described below to ensure highest safety standard for your engine operation. The maintenance schedule is to be viewed as precautionary measures in relation to technical problems.

Note: It is recommended to use authorized service personnel every 4 years to inspect the entire oil mist detector system to ensure proper functionality of the complete installation.





### Section 01.87: Adjust negative pressure



install the quick connection.

the u-tube manometer to the middle line.

connection and adjust the pressure to 60mmWC.

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

### Section 02.87: Exchange air filters



cover.

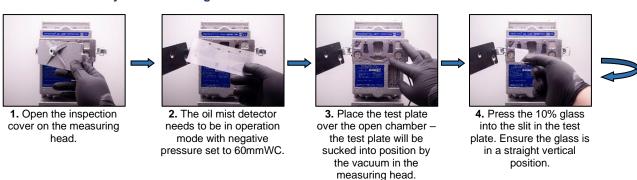
change the scavenging air filter.

cover.

## Section 03.87: Clean infrared filters and air bores in measuring head



# Section 04.87: Test system with test glass kit



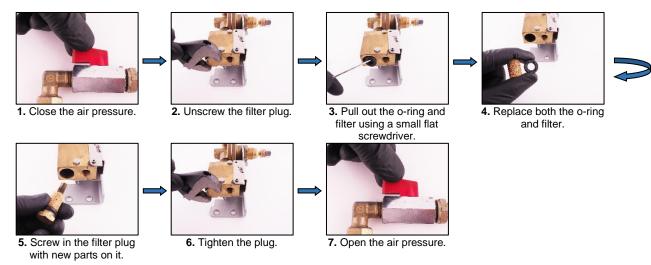


5. The measuring head will now enter alarm mode.

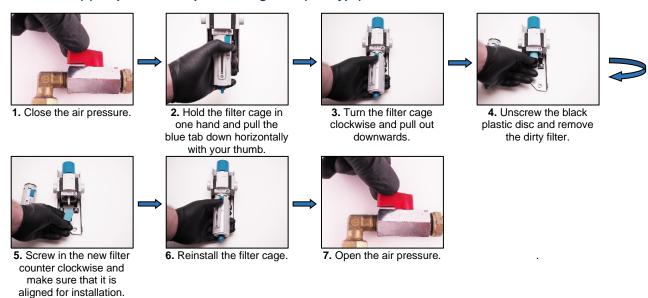




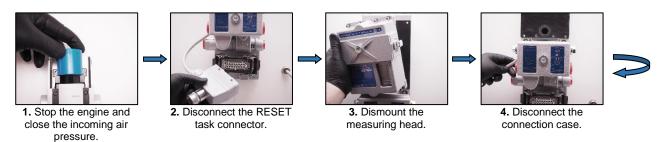
# Section 05.87(1): Replace filter and o-ring in pressure regulator (old type)



#### Section 05.87(2): Replace filter in pressure regulator (new type)

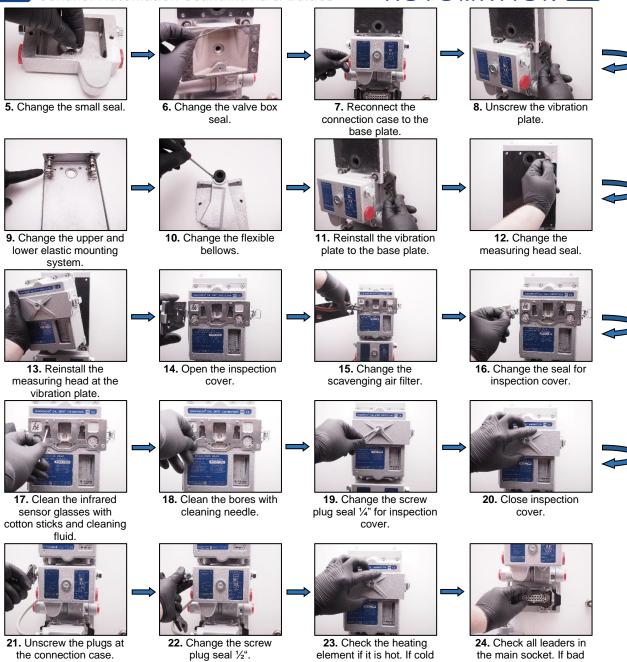


## Section 07.87: Clean inside & outside of the baseplate and replace service kit



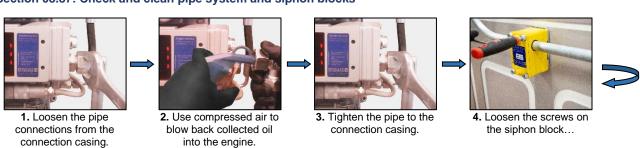






# Section 08.87: Check and clean pipe system and siphon blocks

the connection case.

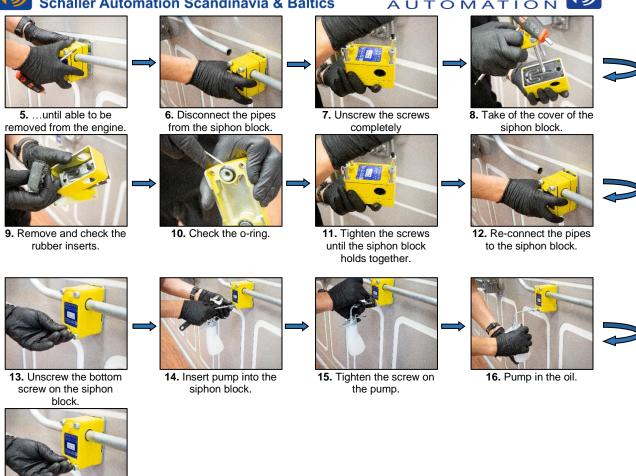


replace!

condition - replace!





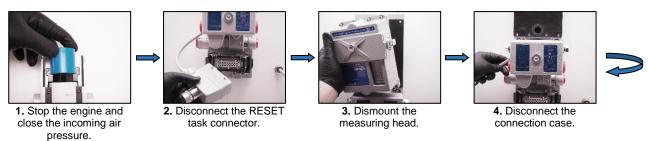


## Section 09.87: Check scavenging air inlet

**17.** Unscrew the pump and reinstall the screw.

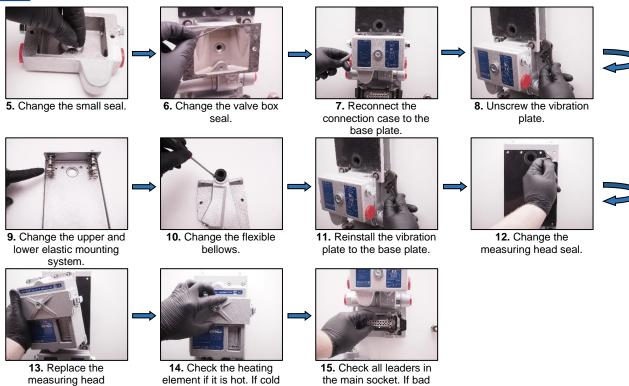


# Section 10.87: Clean inside & outside of the baseplate and replace service kit









condition - replace!

## Section 11.87: Perform functional test of entire OMD system with smoke ampulla kit

- replace!

