Troubleshooting Guide Auto Lube System



80-1419 Rev: 10/2023



4. Sufficient pressure built? (error code E11 or E12) Pump should build pressure in one of the main line channels, until the pressure switch ends the pumping phase. When no PS-signal, the pump phase will be ended after exceeding the max allowed pump run time (approx. 6 to 15min. depending on parameter setting).







How to check?

- 1. Locate the pressure switch in one of the distribution blocks.
- 2. Remove the 2-pole connector.
- 3. Start a single test cycle with the TEST push button at the pump (hold 2-6 sec.)
- **4.** The moment you bridge both poles in this 2-pole connector at the cable, the pump should stop directly.



NO YES ----> Renew or repair cable harness and resume at point 4?

7. Does the press. switch contact close? (Error code E11 or E12)

switch).

YES

Contact should close at 100, 125, 150 or 175bar depending on the setting, based on the position in the system (the pressure setting is printed in the side of the

NOTE

At low temperatures the pressure reading at the pump can be significantly higher.

How to check?

- 1. Remove the 2-pole connector.
- 2. Start a single test cycle with the TEST push button at the pump (hold 2-6 sec.)
- 3. Check with Multi-Meter whether contacts at switch close at mentioned pressure.

NO → Air pockets in pressure switch valve? Air pockets in the valve direct below the switch could cause malfunction of the switch.
NO YES → How to solve?
I. Remove the switch from the valve and start a single TEST cycle.

- 2. Bleed the valve until solid grease flow (end TEST cycle by ignition switch-OFF)
- 3. Repeat procedure to bleed also the other main-line channel in this valve.
- 4. Install pressure switch again and start a single TEST cycle to check whether
 - pump is stopped by the pressure switch after exceeding its pressure setting.



Switch broken Renew the pressure switch and start a single TEST cycle to check whether pump is stopped by the pressure switch after exceeding its pressure setting.

8. Does the press. switch contact open? (Error code E13 or E14)

Note

Since 2008 the pressure switches are equipped with a $22k\Omega$ resistor, a value that shows when contact opened.

Switch contact should open as soon the pressure sinks below the pressure setting.

- Switch broken ---- Renew the pressure switch and start a single TEST cycle to check whether pump is stopped by the pressure switch after reaching the set pressure in the block.
- 9. Problem solved?

NO -

10. TEST cycles!

YES

We advise to perform minimal 2 "Single TEST cycles" with the button at the pump, to make sure that the system operates correctly in both main-line channels. When problem not adequate solved, please repeat the procedure starting at 1.

11. Disassemble the TEST manometers!