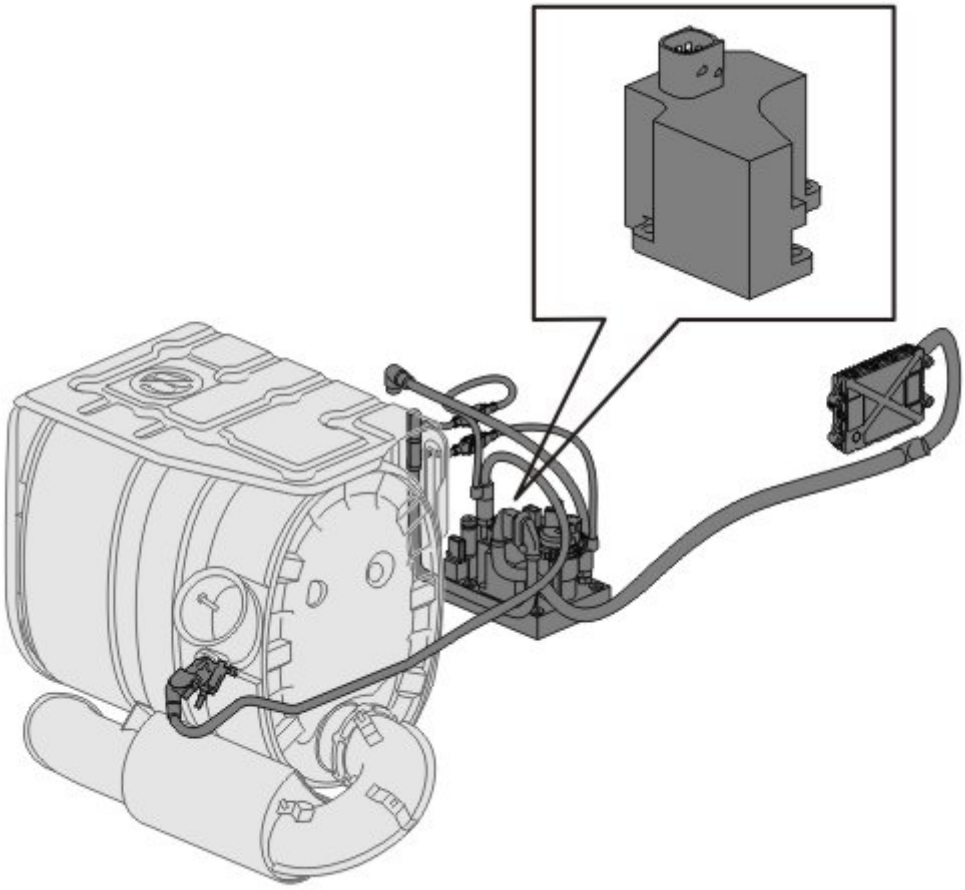


| Fault type | Condition for Fault | Observable Symptoms | Possible cause |
|---|---|---|---|
| P20CA FTB 00 | • The air valve duty cycle is higher than expected. | • Reduced atomization of Aftertreatment urea solution (DEF). | • Leakage from air lines.<br>• Non-return valve.<br>• Air valve.<br>• Nozzle. |

## Visual inspection:

- Check if the air filter is clean.
- Check that the nozzle is free from faults.
- Check that the Air valve is free from faults.
- Check the air lines between AdBlue Pump unit and Nozzle for leakage.
- Visual check the AdBlue component YB97 for any faults.

**Air supply, Check**

Special tools: 9996926, 9996461, 992023, 991074, 992028, 9992976.

**Action:**

- Disconnect Air line (out).
- Connect measurement tools.
- Fill the pneumatic system to 900 kPa (130.5 psi).

**Evaluation:**

- Read the manometer pressure.
- Pressure range: 600 kPa (87 psi) to 900 kPa (130.5psi).

**SCR system pressure , Check**

**Purpose:**

- Check that a newly installed, repaired, overhauled or replaced SCR system works correctly.
- Check the SCR system to find faults.

**Description:**

It will be necessary to remove the dosing valve from the inlet pipe in one of the tests.

*Note: Only the highlighted part of the test will be performed.*

1. System pressure build up - Check function/leakage of pump and hoses.
2. Dosing test:
   Check function/leakage of dosing valve
   Clear diagnostic trouble code (DTC) and get out of inducement due to clogged dosing valve

**Action:**

- Before starting the test, monitor the signals and make sure the AdBlue pressure is near 0 without a large deviation.
- Start the test.

**Evaluation:**

Evaluate: Non-return valve.