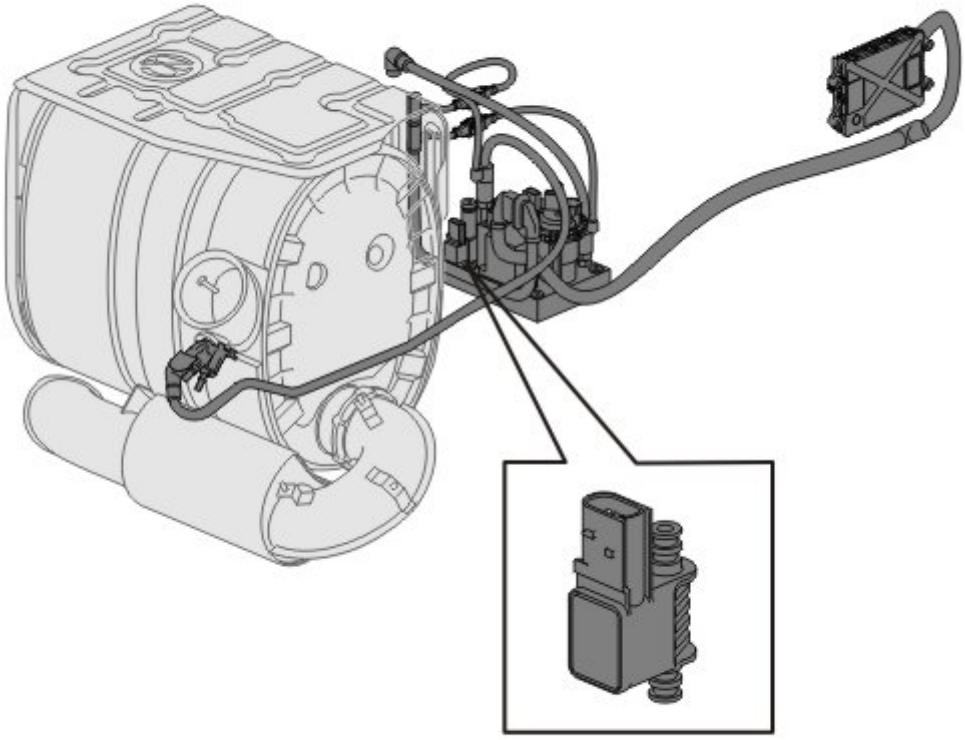


Fault type	Condition for Fault	Observable Symptoms	Possible cause
P2038 FTB 00	• Signal Plausibility Failure.	• Uncontrolled air consumption.	• Air leakage. • Air pressure sensor. • Wiring harness.

Visual inspection:

- Check that the Air valve is free from faults.
- Check the air lines between AdBlue Pump unit and Nozzle for leakage.
- Check for air leakage from Air pressure sensor.

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).

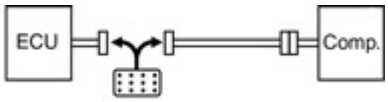
Evaluation:

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

Voltage measurement:

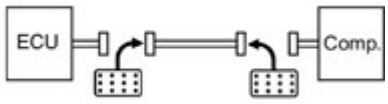


Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Supply voltage check	On	47 – 49	B06:1 – B06:3	V = 4.75 V - 5.25 V		9998699, 88890167, 88890074
Supply voltage check	On	47 – Chassis ground point	B06:1 – Chassis ground point	V = 4.75 V - 5.25 V		9998699, 88890167, 88890074



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Signal voltage check	On	47 – 54	A174.A:47 – A174.A:54	V = 0.4 V - 0.6 V		9998699, 9990014, 88890074

Resistance measurement:



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Open circuit check	Off	51 – 47	A174.A:51 – B06:1	R = 0 Ω – 5 Ω		9998699, 88890167, 9990014, 88890074
Open circuit check	Off	54 – 49	A174.A:54 – B06:3	R = 0 Ω – 5 Ω		9998699, 88890167, 9990014, 88890074
Open circuit check	Off	47 – 48	A174.A:47 – B06:2	R = 0 Ω – 5 Ω		9998699, 88890167, 9990014, 88890074