

Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All with 1.8L Turbo	1998 – 2006	1.8L Turbo	All	All	All

Condition

DTC's P1297 (17705) or P1557 (17965) Stored in DTC Memory

01 07 02 Jan. 11, 2007, 2002050, supersedes Technical Bulletin Group 01 number 01-03, Jun. 27, 2001 due to additional vehicle applicability and inclusion in ElsaWeb.

Technical Background

DTCs P1297 (17705) or P1557 (17965) are stored in DTC memory.

This may be caused by intake hoses leaking (during boost conditions) due to incorrect torque on clamps or improper placement, worn or torn intake hoses etc.

Production Solution

N/A

Service

Perform intake system pressure test to detect leaks in the intake system as follows:



- Separate intake hose from Mass Air Flow Sensor (MAF) assembly.
- Remove crankcase ventilation hose from PCV valve and close off crankcase side of valve with plug (white arrow), hose, and clamps (supplied with Turbocharger Tester, see [Required Parts and Tools](#)).

 Tip:

[This will disconnect the engine crankcase from the intake system.](#)

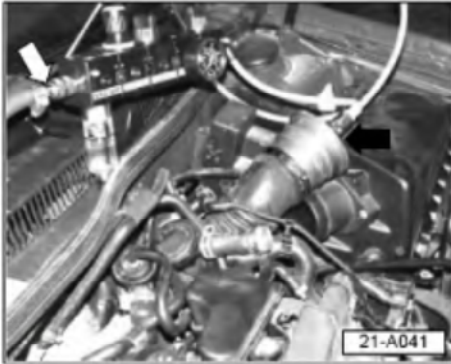
- Insert Air Pressure Adaptor (black arrow), see [Required Parts and Tools](#) into intake hose between MAF sensor and intake system (clamp using existing hose clamp).

Technical Bulletin



 Tip:

Hose at throttle assembly will stay connected during the test.



Pressure Test:

- Attach outlet hose of Turbocharger Tester to fitting on Air Pressure Adaptor (black arrow).
- Close outlet valve after the gauge.
- Back off pressure regulator knob of Turbocharger Tester fully to protect gauge when shop air supply pressure is applied to the assembly.
- Attach an air line to inlet fitting on Turbocharger Tester.
- Open valve between regulator valve and gauge.
- Adjust test pressure up to 0.5 bar by turning regulator valve.



Note: Do not pressurize system above 0.5 bar!

Doing so will force oil into the intake through the throttle body assembly, causing damage to the engine.

- Slowly open outlet valve (after gauge) to test hose connections.
- Observe pressure gauge for a drop in pressure.



Tip:

Some pressure will be lost past the throttle plate.

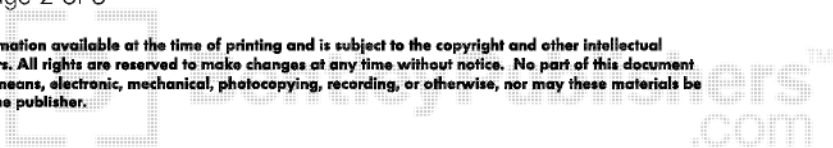
- Apply soapy water or leak check liquid to all intake system connections to check for leaks.



Tip:

An ultrasonic tester may also be used to locate leaks.

- Repair any leaks found.
- Remove plug from crankcase ventilation hose.
- Remove air pressure adaptor and reinstall hoses.



Technical Bulletin



Warranty

Information only

Required Parts and Tools

No special parts required

Description	Tool No.	Quantity
Turbo tester	VAG 1687*	1
Air pressure adaptor for VAG 1687	VAG 1687/1*	1

* Call Volkswagen Tools and Equipment Program (EQS), which is Equipment Solutions, at 1-800-892-9650 for product.

