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Technical Bulletin

Subject: Diagnostic Trouble Code (DTC) P1127, P1129, or P1557 Group: 01
Stored in DTC Memory

Number: 03-07

Model(s): S4, A6, allroad with 2.7L
(Eng. code APB, BEL)

2000 ► 2003

Date: May 6, 2003

Supersedes T.B. Repair Group 01 number 00-04 dated Aug. 18, 2000

Condition

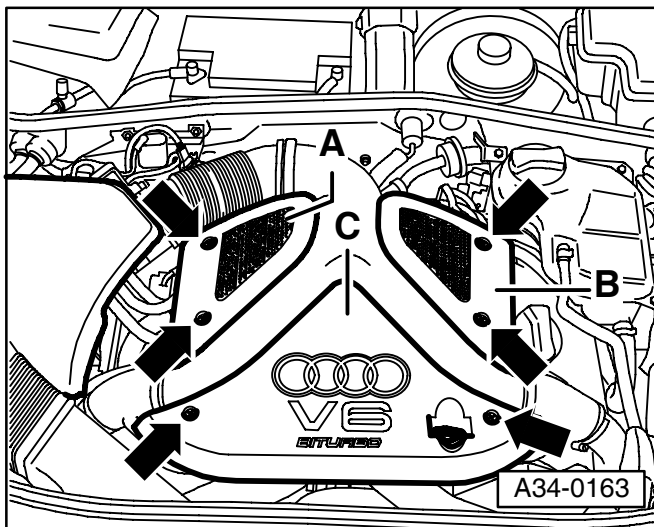
DTC P1127 and/or P1129 and/or P1557 stored in DTC memory.

Can also be accompanied by poor throttle response or engine shake at steady speeds.

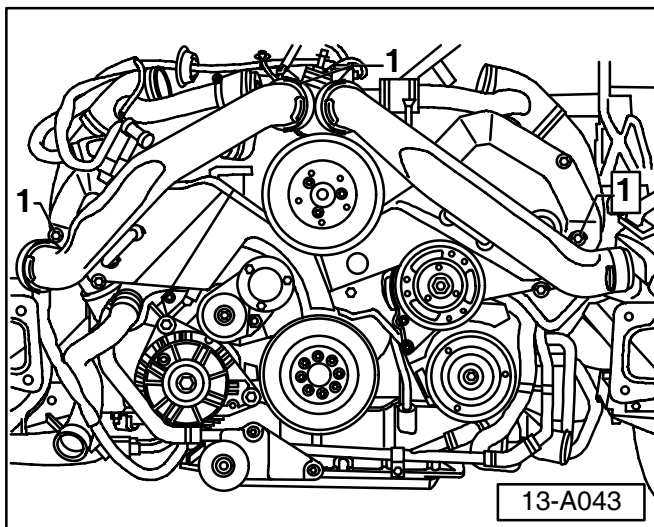
May be caused by loss of pressure from the turbocharger due to cracks or tears in the intake air duct "Y" boot under the fastening clamp.

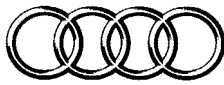
Service

- ◀ - Remove upper engine cover -C- only (see Repair Manual Group 15 *Cylinder head covers removing and installing*).



- ◀ - Remove bolts -1- for pressure hoses.
- ◆ Allows hose to move when removing "Y" hose from Throttle Valve Control Module -J338-.



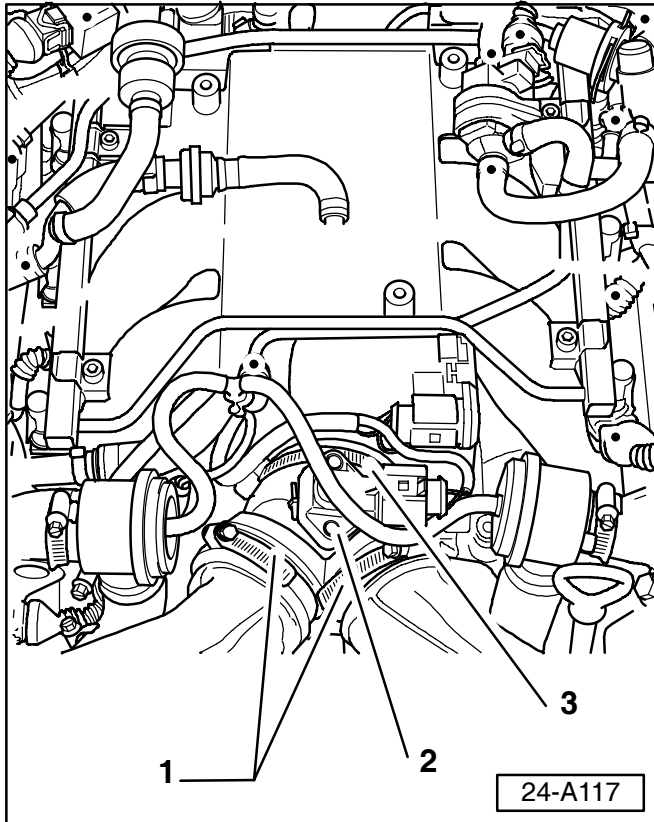


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- ◀ – Remove Charge Air Pressure Sensor (G31) item -2-.

Note:

Make note of clamp orientation and position.

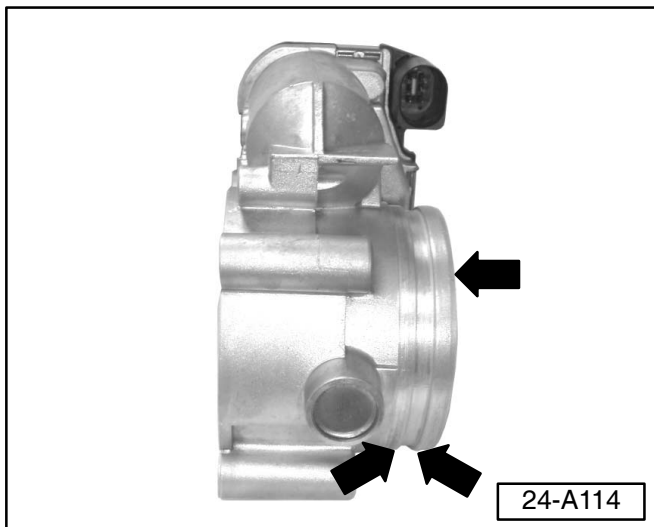
- Loosen clamps -1- to pressure hoses.
- Loosen clamp -3- at Throttle Valve Control Module -J338-.
- Remove Intake air duct (“Y” hose) from Throttle Valve Control Module -J338- and inspect.

If intake air duct is cracked or torn it must be replaced.

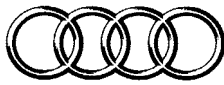
A tear may have been caused by sharp edges on Throttle Valve Control Module -J338- connecting flange cutting into the rubber duct (arrow) which connects to pressure hoses.

Prior to installing new duct:

- Remove four Throttle Valve Control Module -J338- fasteners.
- Remove Control Module.



- ◀ – Using a round file, round over sharp outer edges of the inner groove and outer edge of control module -arrows- (around the entire periphery of control module) to a maximum radius of 0.5 mm (approx. 0.02 in.).

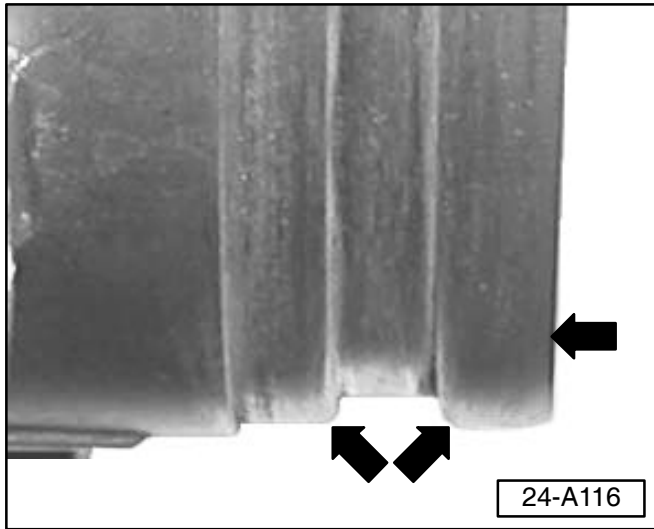


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- ◀ – Using 120 grit emery cloth, finish outer edges of the inner groove and outer edge of control module -arrows- (around the entire periphery of control module).
- After rework is finished, clean shavings and any accumulated dirt/oil film from outer and inner surfaces of control module using air pressure and solvent (brake cleaner works well).
- For heavier deposits of dirt / oil film, apply Wynn's® X-Tend® V.I.C. Combustion Chamber Cleaner: Part No: 61510 (U.S.), Part No: 61512 (CAN.) on a soft clean cloth then, clean interior surfaces using this cloth (one can of cleaner will do many vehicles, therefore it is considered shop supply).
- Clean the interior surfaces of throttle valve control module -J338- housing with a soft clean cloth.
- Reinstall Throttle Valve Control Module -J338- using a new gasket (see table).
- ◆ Fastener torque = 10Nm. ± 1Nm.
- Install new parts as follows.

Description	Quantity	Part No:
Intake Air Duct	1	078 133 356 T
Clamp	1	078 133 343
Clamp	2	078 133 343 A
Clamp	1	N 904 119 01
Gasket	1	078 133 073J

CAUTION!

Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.

- ◆ Clamp torque = 1 ± 0.3 Nm.



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Note:

Use extreme care to properly install the intake air duct to the Throttle Valve Control Module -J338- using new clamps in the original positions on the intake air duct.

- Reinstall upper engine cover.
- Clear any stored DTC's.
- Set readiness code.

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:

Part Identifier:	2434
Labor Operation: Replace Boot	24343150 80TU