

Engine

Intake And Exhaust System - Cleaning, Inspection And Adjustment

CRANKCASE VENTILATION (B5204T5; B5254T4; 2004-2007)

CRANKCASE VENTILATION, CHECK

Special tools:

9997226

Check

Measuring the pressure in the crankcase

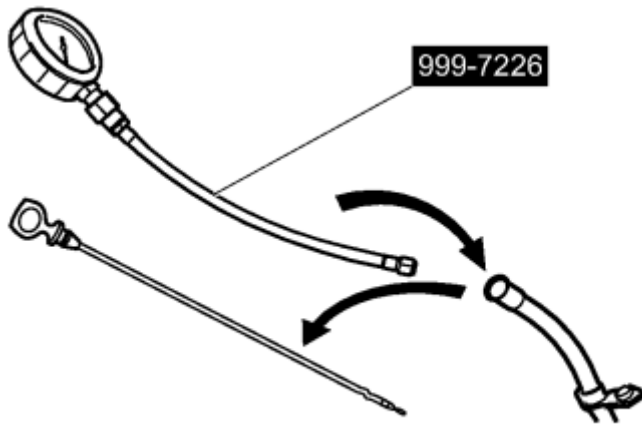


Fig. 1: Identifying Manometer, Dipstick And Tube
Courtesy of VOLVO CARS OF NORTH AMERICA.

NOTE: Take readings at idle at operating temperature.

Warm up the engine until the thermostat opens.

Switch off the AC and other electrical equipment.

Reset the manometer using the adjuster screw.

Remove the dip stick and connect manometer 9997226 as illustrated.

Reading off manometer value



Fig. 2: Identifying Manometer Pressure Value
Courtesy of VOLVO CARS OF NORTH AMERICA.

NOTE: The pressure values are given for sea level. High levels can reduce the reading slightly.

Read off manometer value.

The value for a clean crankcase ventilation is -0.2 kPa or lower.

If the manometer indicates a value from -0.2 up to 0.0 kPa or a positive value, the crankcase ventilation is partially or completely blocked and must be cleaned. **Crankcase ventilation, cleaning**

CLEANING THE CRANKCASE VENTILATION

Applies to S60/V70 (00-)/V70XC (01-)/S80

5-cyl turbo, see **Crankcase ventilation, cleaning** .

6-cyl turbo, see **Cleaning the crankcase ventilation.**

6-cyl non-turbo, see **Cleaning the crankcase ventilation.**

Cleaning the crankcase ventilation

Removing

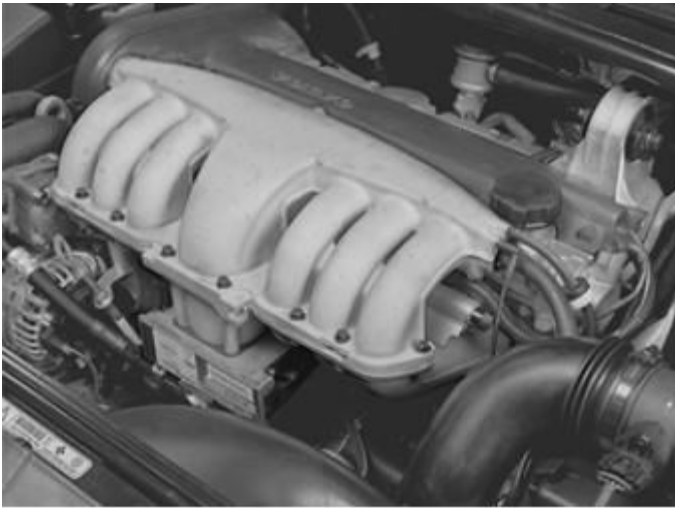


Fig. 3: Identifying Intake Pipe
Courtesy of VOLVO CARS OF NORTH AMERICA.

Remove the screws, x 10, at the intake pipe mating flange.

Lift off the upper section of the intake pipe.

Install 9995723 .

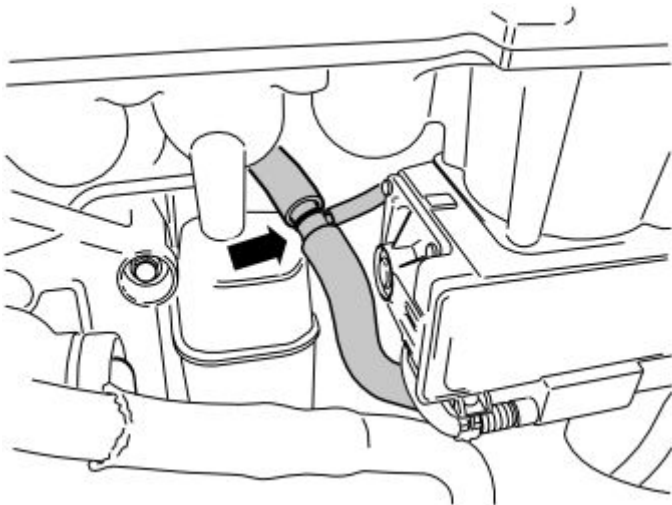


Fig. 4: Identifying Hoses And T-Nipple
Courtesy of VOLVO CARS OF NORTH AMERICA.

Remove:

- the dipstick tube
- the thick hoses, 2 x, from the T nipple.

Cleaning

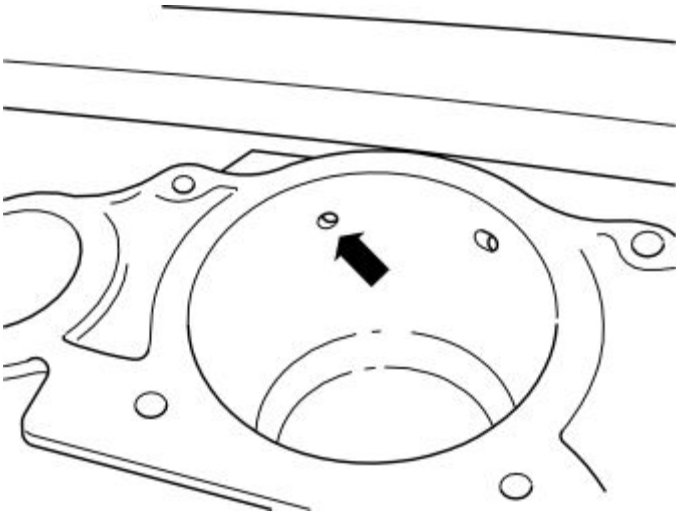


Fig. 5: Locating Hole In Intake Pipe

Courtesy of VOLVO CARS OF NORTH AMERICA.

Disconnect the hose with the T nipple from the intake pipe.

Remove **9995723**

Clean the hole in the intake pipe using a Ø 2 mm drill bit.

Remove the hose from the T nipple.

Clean the T nipple. Use a Ø 2 mm drill bit.

Clean the hose using a Ø 2 mm cable and blow clean using compressed air

Clean the inlet pipe air duct.

Install:

- the hose on the T nipple
- the hose with the T nipple to the intake pipe.
- cover **9995723**

Installing

NOTE: For tightening torques, see: Tightening torque