



SERVICE INFORMATION

SI No. 210-2418	Date October 2003	9-3 (9400)
PI No.	Distr. all	

Oil leakage from engine

Cars affected

Saab 9-3 M99 - M03 with engine variant B205 and B235

Background

In certain operating conditions the crankcase ventilation throughflow may be inadequate and this can cause oil leakage. Leakage most commonly occurs at the joint between the timing cover, the cylinder block and the cylinder head as well as leakage at the crankshaft seal. Efficient crankcase ventilation is also very important for avoiding increased oil consumption.

Gasket replacement/resealing must only be carried out if the oil leakage does not cease after the following action.

In the event of customer complaints the following procedure must be undertaken.

Symptom description

Oil leakage from the engine, increased oil consumption.

Parts required

59 62 428 (CA: 30593216) Renovation kit, Crankcase ventilation with the following contents:

Check valve/reducing valve

Note

Note that the check valve/reducing valve does not stop the air flow in the opposite direction. The valve facilitates different flows in the relevant direction within the circuit.

Bleed nipple

Rubber plug

If necessary:

91 86 875 (CA: 30570590) Hose for turbo inlet pipe

91 88 806 (CA: 30581025) Hose for camshaft cover

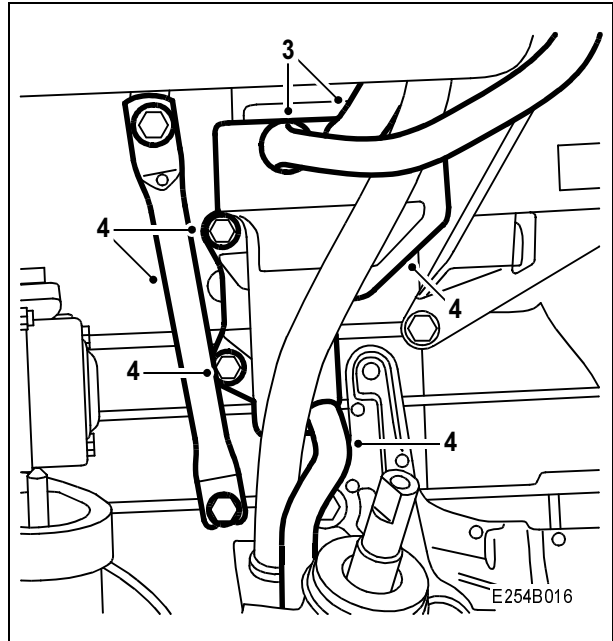
93 99 973 (CA: 30585634) Hose with check valve (small circuit)

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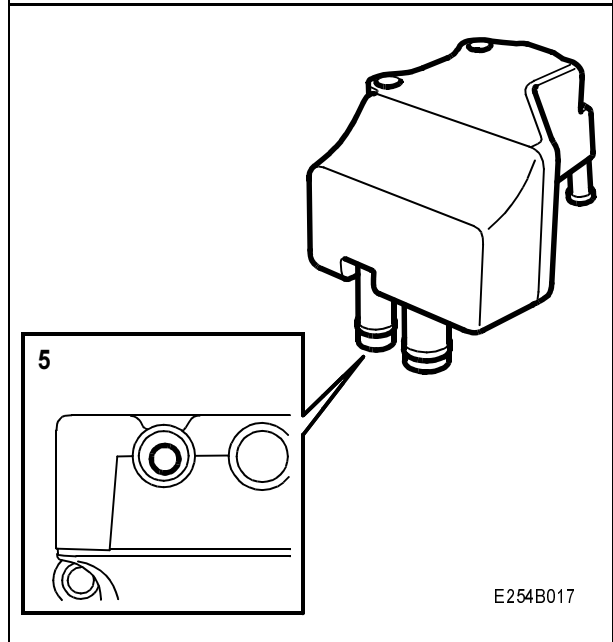
ENG

Procedure

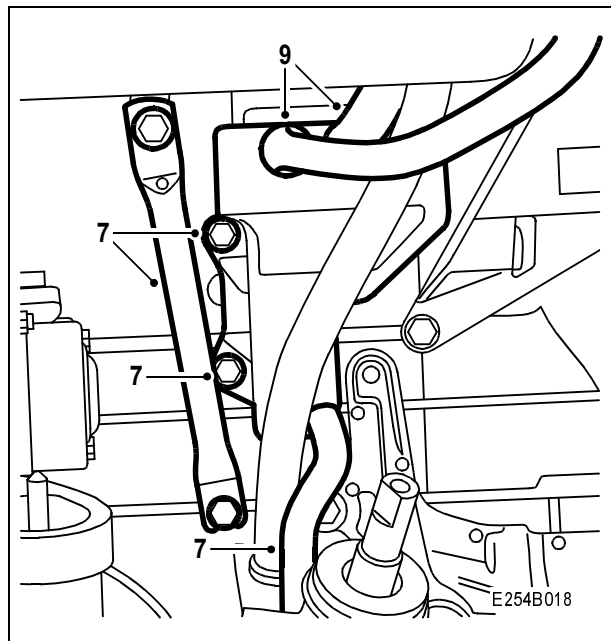
- 1 Disconnect the battery negative cable.
- 2 Remove the upper engine cover.
- 3 Remove the oil trap's two upper hoses.
- 4 Raise the car and remove the lower hose to the oil trap. Remove the stay to the intake manifold and the oil trap. If necessary, disconnect the generator positive cable.



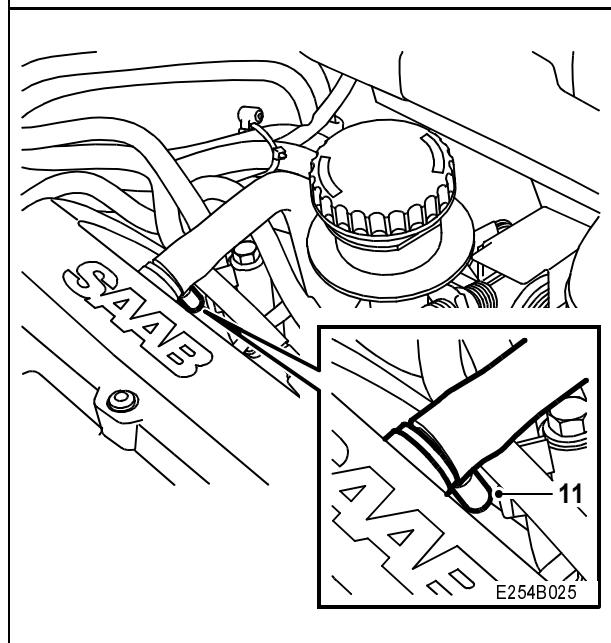
- 5 Turn the oil trap as indicated in the illustration and drill the hole with the extra restriction up to 10 mm.
- 6 Blow clean the oil trap thoroughly.



- 7 Fit the oil trap, the lower hose to the oil trap and the stay to the intake manifold. If necessary, connect the generator positive cable.
- 8 Lower the car.
- 9 Connect the oil trap's upper hoses (if necessary fit new hoses to the oil trap).
- 10 Remove the small circuit's hose from the camshaft cover.



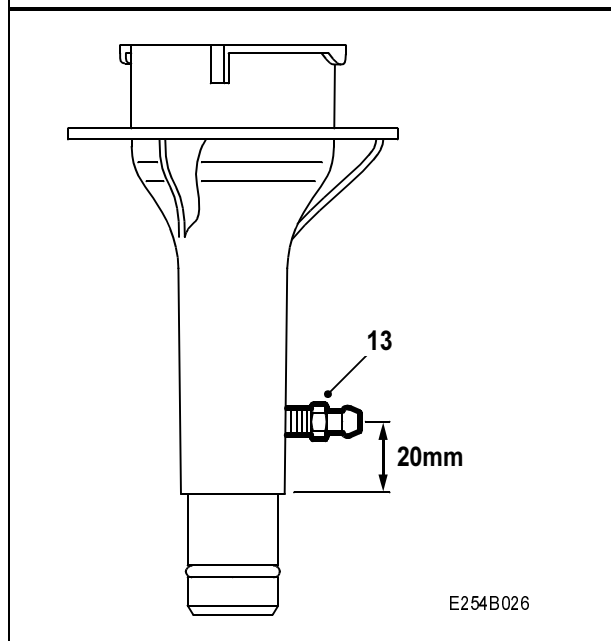
- 11 Connect the enclosed rubber plug where the small circuit was fitted in the camshaft cover.
- 12 Remove the oil filler pipe.

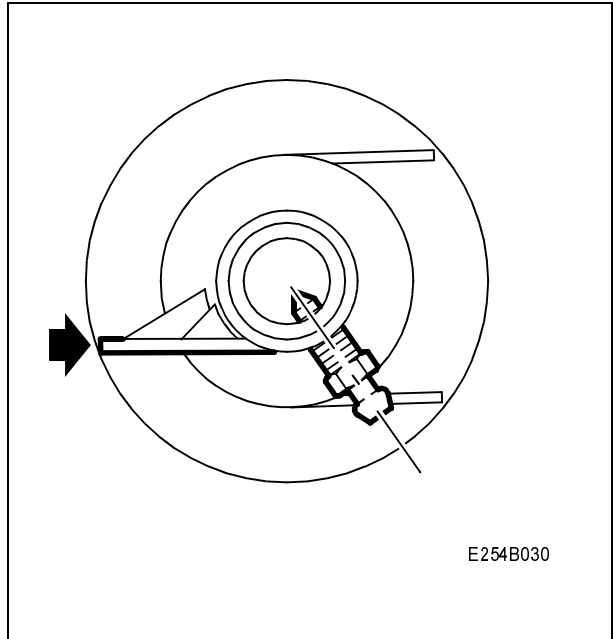


- 13 Drill a 7 mm hole and fit the bleed nipple on the oil filler pipe as shown in the illustration.

Note

It is important that the small hole in the bleed nipple points down in the oil filler pipe. Fit the nipple as far in as where the threads become visible on the inside in order to avoid the dipstick jamming. It is very important that the nipple's fitting angle complies with the illustration so that the oil filler pipe can be refitted.

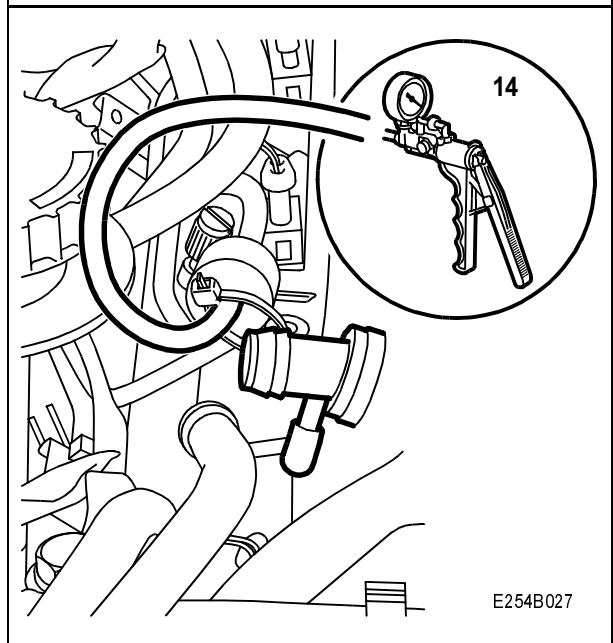




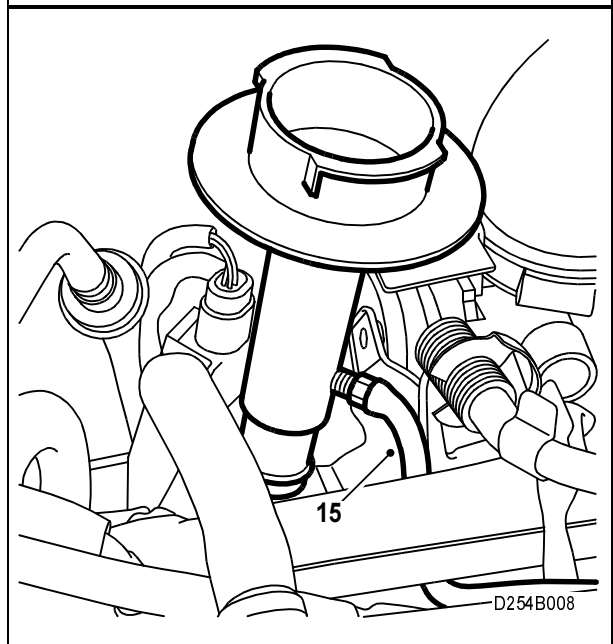
14 Check the operation of the check valve on the small circuit using 30 14 883 Pressure/Vacuum pump, replace if necessary.

Note

Arrow's direction on the check valve



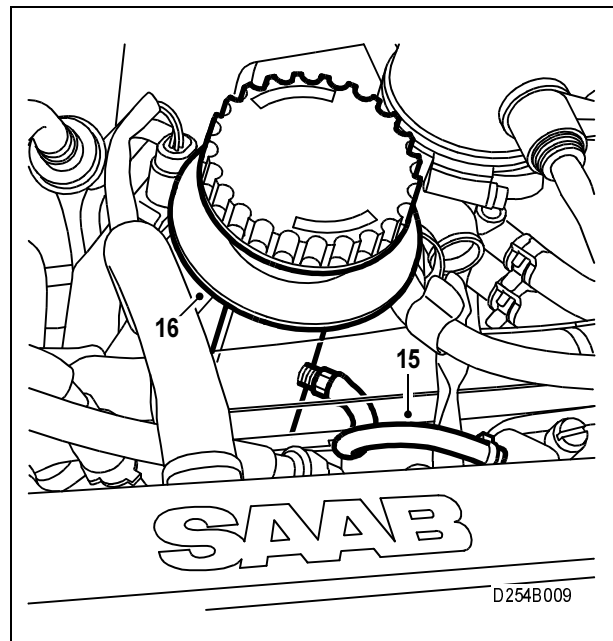
15 When fitting the small circuit's hose on the oil filler pipe's bleed nipple, pull the hose between the cable ducting and the fuel rail.



16 Fit the oil filler pipe.

Note

Make sure that the hose is securely fitted on the nipple after the oil filler pipe has been fitted.



17 Cut the hose to the turbo inlet pipe to a height level with the intake manifold.

18 Fit the check valve/reducing valve.

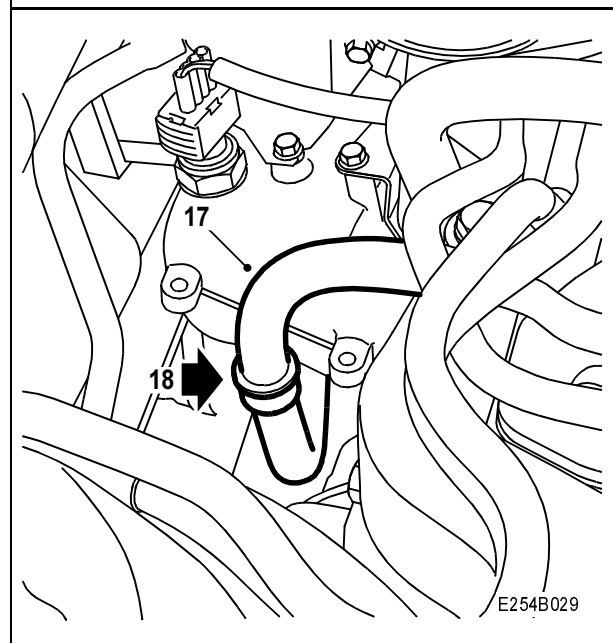
Note

The direction of the arrow must be pointing upward (from the oil trap to the turbo). Note too that the check valve/reducing valve does not stop the air flow in the opposite direction but only reduces the air flow.

19 Fit the upper engine cover.

20 Fit the battery negative cable.

21 Set the correct time and date in SID



Standard times-/Warranty information

In the case of customer complaint and if the car is **within the warranty period**, use the following information to fill out the claim:

Failed object: 21216

Fault/reason code: 57

Location code: 09 (US: 9)

Warranty Type (US): 01

Repair/Action code: 05

Labour Operation (US): 2121602

Labour Operation (CA): J6025

Time 0.6 h