



Volvo Chassis - Crankcase Ventilation D12, D12A, D12B Volvo Engines



> Internal Content

For more information on the new Volvo D12B Engine Crankcase Ventilation design, Kit P/N 8193885 click [here](#).



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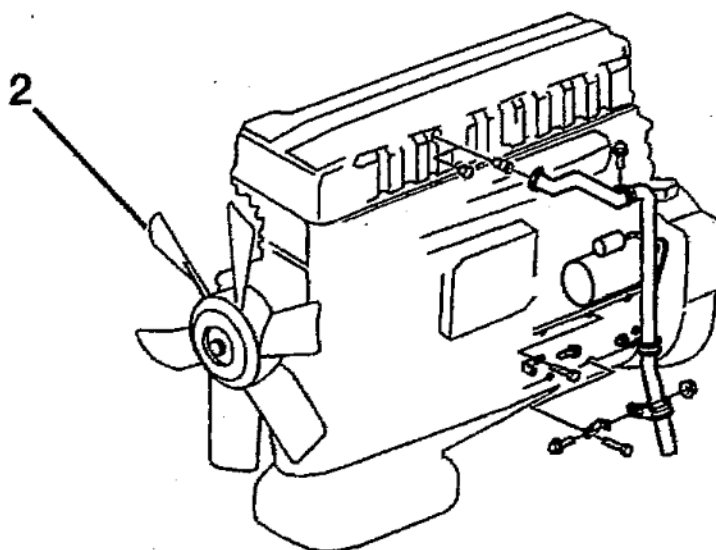
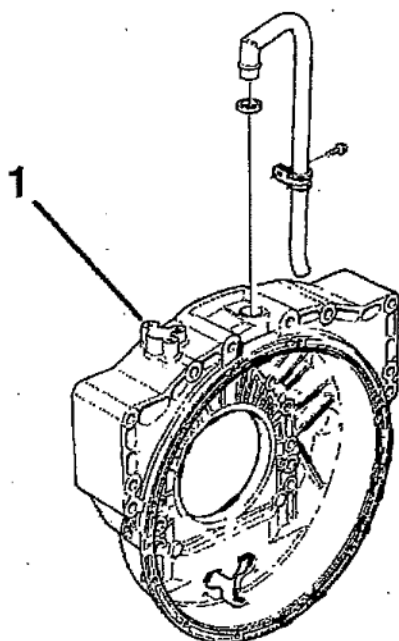
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Crankcase Ventilation D12, D12A, D12B Engines

Crankcase Ventilation



W2003125

1 Old design

2 New design

A new design of the crankcase ventilation for all D12B engines has been developed which is more suitable for some applications. The new design was introduced in production from and including engine number 95505.

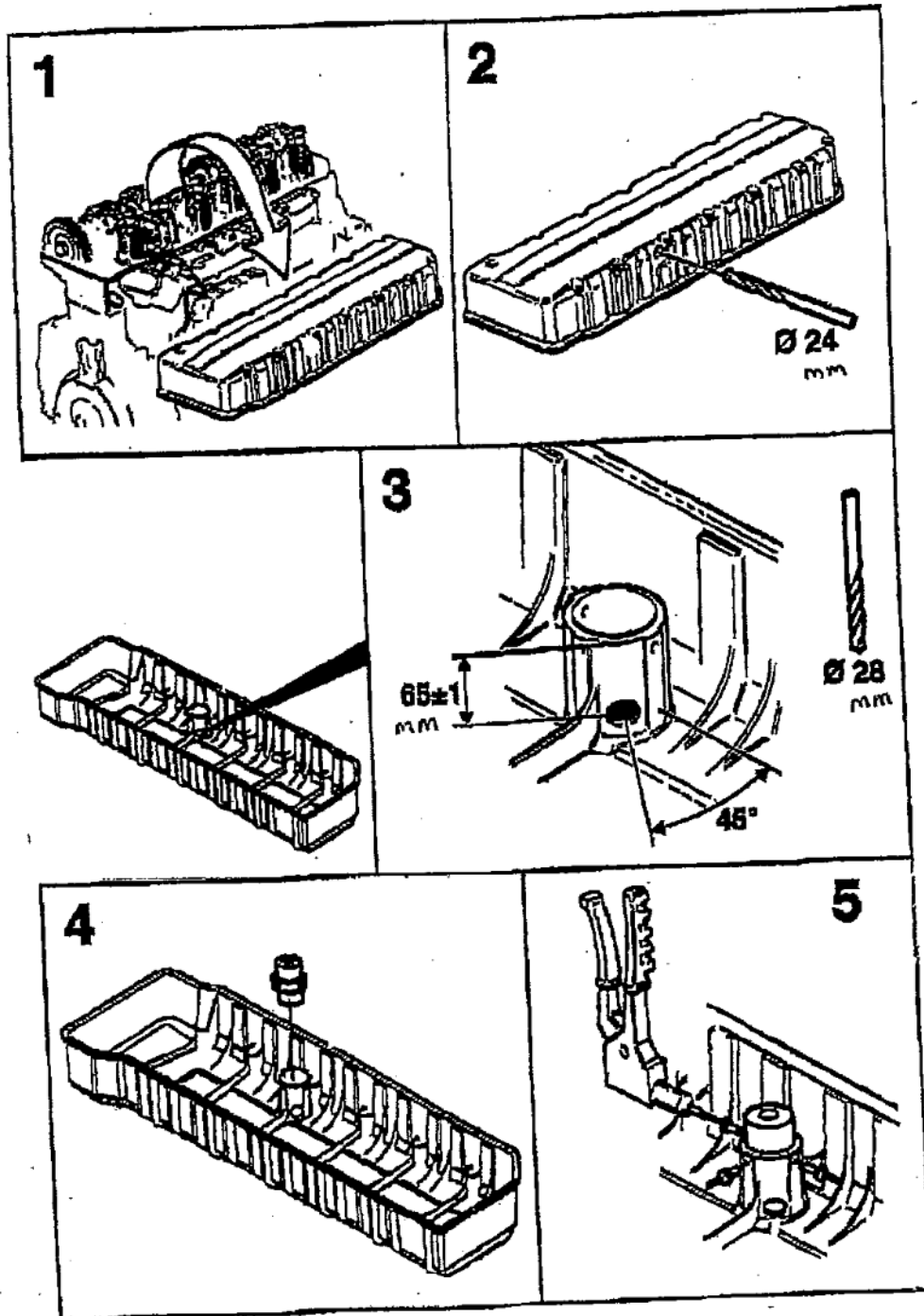
Volvo D12, D12A, and D12B engines can be re-built to the new design. The new design can be ordered as a kit, P/N 8193885, please see the respective spare parts catalogue.

Repair Information

The following standard repair operation number and time are provided for flat rate purpose only:

- SRO Number: 25701-2-00
- Hours: 2.5

P/N 814899,4

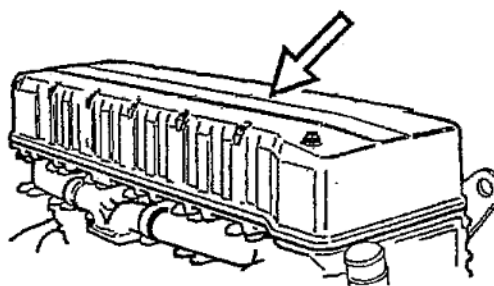


Crankcase ventilation, re-build

On trucks used in arduous driving conditions in hilly country, the crankcase ventilation should be re-built according to the procedures below.

Re-build kit: 8148994

1



T2006760

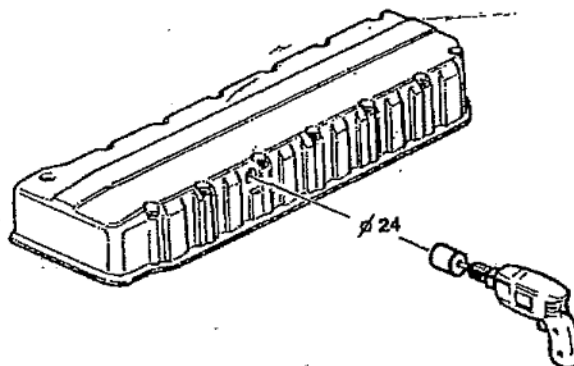
Remove the valve cover.

Note: Use a ratchet spanner to prevent the stud bolts loosening from the cylinder head.

2

Carefully clean the inside and outside of the valve cover.

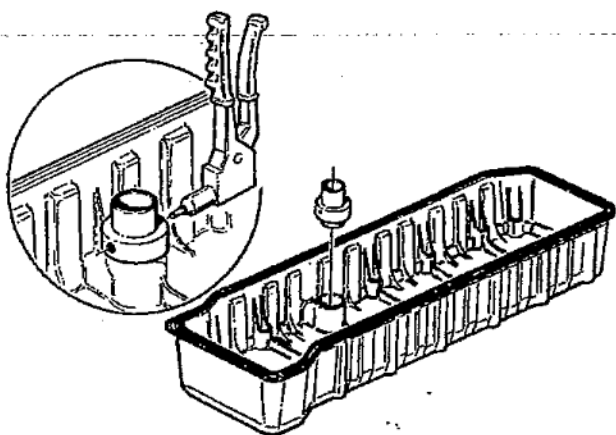
3



T2006092

Drill a Ø 24 mm hole in the valve cover in the position illustrated above.

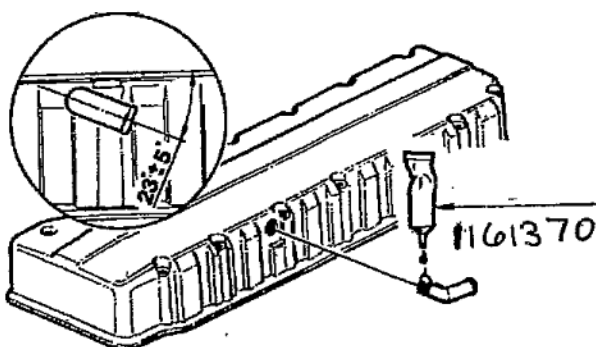
4



T2009093

Pop-rivet the pipe sleeve to the valve cover.

5



T2009094

Glue the external pipe connection to the drilled hole.
The pipe connection should be glued at an angle of $23 \pm 5^\circ$ in relation to the vertical surface on the valve cover. See sketch.

 $23 \pm 5^\circ$

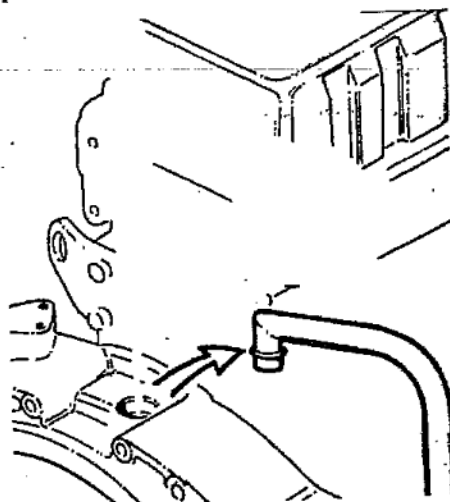
Glue
Part no.
8701329

Note: Wipe off excess glue.

6

Move the valve cover to a safe place and allow the glue to dry.

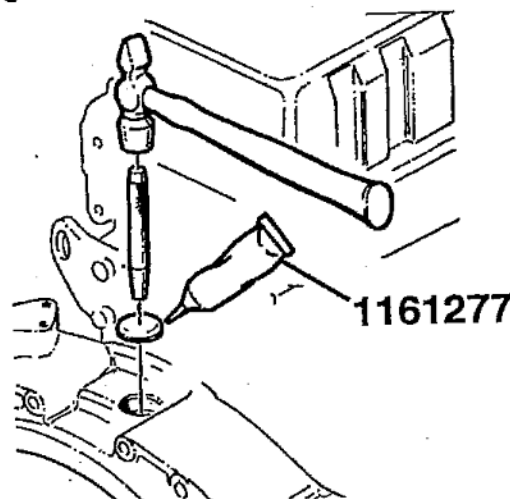
7



T2009095

Remove the crankcase ventilation pipe and carefully clean the hole in the fly-wheel housing.

8



T2009096

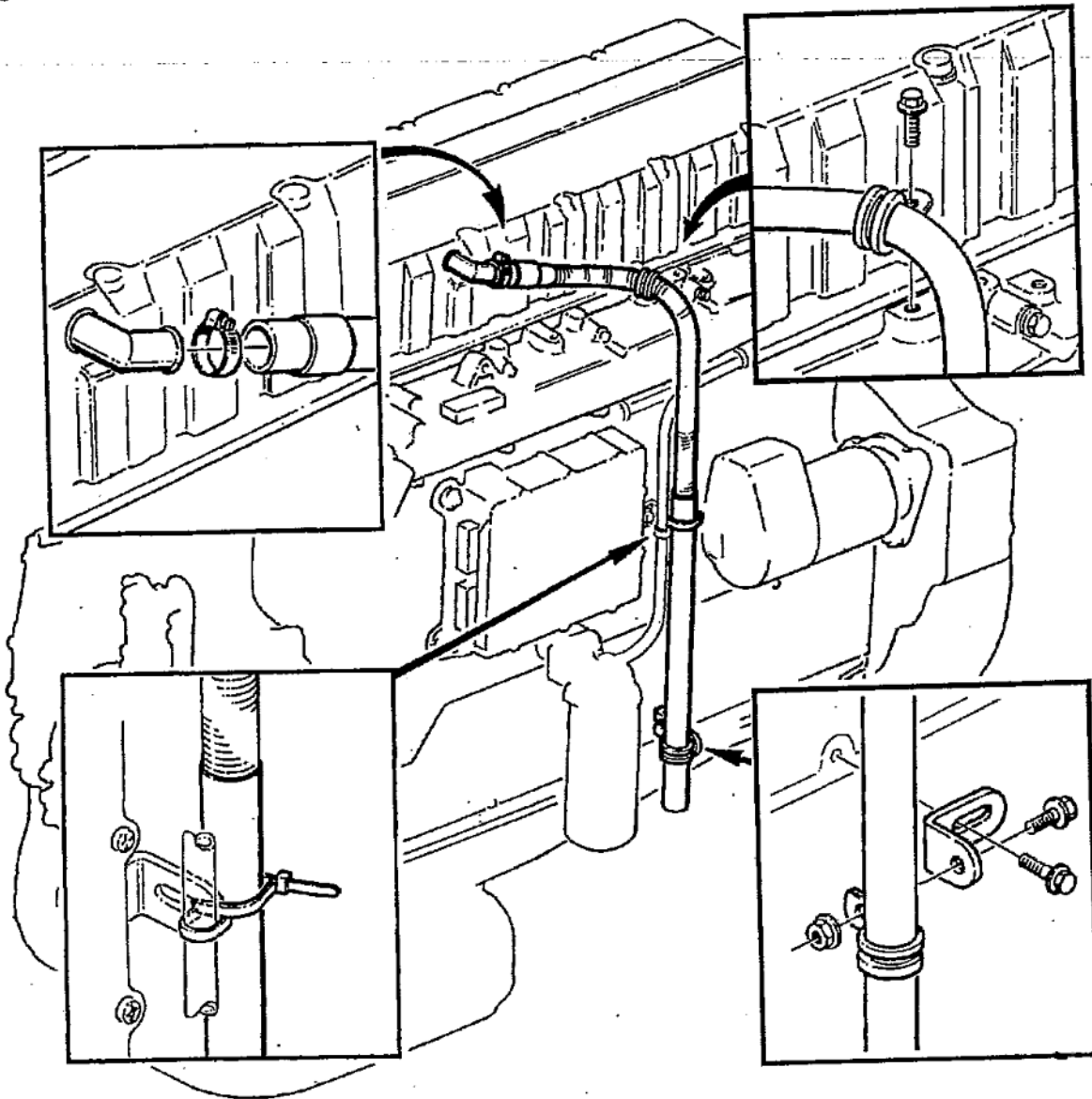
Apply sealant in the bottom of the hole and to the edge of the expansion washer.

Sealant
Part no.
1161277

Widen out the expansion washer to make sure that it provides a proper seal in the hole.

9

Check the valve cover rubber gasket and re-fit the cover.
Torque-tighten the valve cover nuts according to the specifications.



T2009136

Secure and clamp the new crankcase ventilation according to the sketch above.