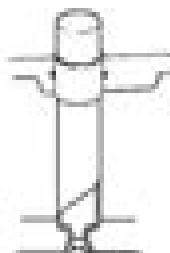
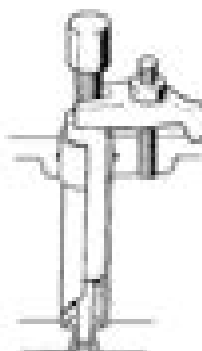
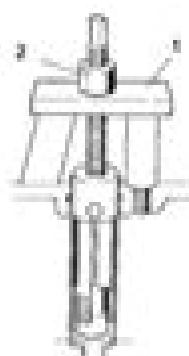


Overhaul



# Pressure testing the injector

7. Check the injector's spray pattern at the correct opening pressure (see Technical Data). Check also that the fuel sprays stop simultaneously and no dripping occurs. Adjust the opening pressure with adjustment washers (\*) being available in different thicknesses from 1 mm (0.039 in.) to 1.25 mm (0.049 in.) in steps of 0.25 mm (0.0098 in.). Close the injector and replace the adjustment washer against a thinner one or a thicker one depending on whether the pressure must be reduced or increased. Assemble the injector and check the opening pressure and the spray pattern.



# Injector sleeve

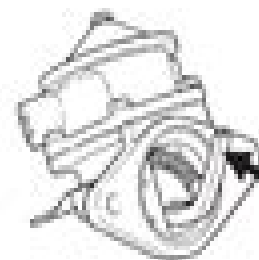
8. Insert the expanding screw in the special test pin 88411 into the injector sleeve and turn the screw and clockwise until the screw has stuck in the sleeve. Tighten the screw hard so that the threads in the sleeve engage into the sleeve material. Then install the pin (\*) from the stop ball of the injector. Put a cylinder head cover in the cylinder head as a support for the leg of the pin. Install the nut (2) and tighten it until the sleeve is removed.

9. Replace the O-ring, seating it between the sleeve and the cylinder head. Dip the new O-ring in soap water in order to facilitate the installation. Oil the new injector sleeve and install it, using special test pin 88405. Push down the sleeve until it bottoms.

10. Oil the flow test pin 88403 and insert it into the sleeve (make sure that the sleeve is properly retracted). Stroke the tool with the injector yoke. Screw down the flow test pin so that the shoulder in the injector sleeve allows, thereby forcing the sleeve. Remove the tool. Adjust the length of the sleeve outside the plane of the cylinder head to maximum 1 mm (0.039 in.).

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Overhaul

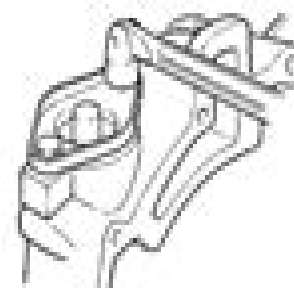


# Assembling the cylinder head

11. Clean the cylinder head. If the water distribution pipe has been disconnected, it must be installed with the holes turned as indicated in the picture. Install new valve stem seals. Oil the valve stems and install the valves. Make sure to install the valves and the valve springs in their respective original positions. Install the valve springs and the "collets". Use a valve tool.

# Fuel pump

12. Depress the pump lever. If the damage of the pump sounds equally, the diaphragm is faulty.



# Changing the diaphragm

13. Remove the six screws holding the upper and lower pump housing together. Remove the pump lever spring (\*) and remove the screws (2) holding the pump lever shaft.

# Reduction valve

14. Remove the cover of the reduction valve and check to make sure that the spring and the piston are faultless. If there are reasons to suspect a fault in the opening pressure of the reduction valve, then check the rate of the spring. See under "Technical Data" - reduction valve.

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# Volvo Penta Workshop Manual 2001b

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web the solution s to a quadratic equation can be calculated using the quadratic formula the means we need to do a plus and a minus so there are normally two solutions the blue part  $b^2 - 4ac$  is called the discriminant because it can discriminate between the possible types of answer when it is positive we get two real solutions

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web good question the answer to a problem like this is usually written as the square root of the number for example if we had an equation like  $x^2 = 57$  where the square root of 57 would be the value for x then it is normally written  $\sqrt{57}$  use the quadratic formula to solve the equation  $0 = -7q^2 + 2q + 9$  now