

Instructions for replacement of the two membranes of the Kugelfischer injection pump on the Peugeot 504 XN2 motor.

The two membranes are numbered D and E. The Numbers in the instructions correspond with the numbers on the image.

- Remove bolt nr. 1.
- Lift lid nr. 2.
- Count the exact number of windings you see on the helix nr.3 or even better; mark its position with a cross using a permanent marker. During assembling it has to be fit exactly the same again.
- Loose bolt nr. 4 a bit.
- Remove the two hoses at the both A connections.
- Remove the three bolts nr.5. The one under the venturi is easier to remove when you first remove the front bolt of the fastening of the venturi. Careful, these three bolts can be corroded, Use special penetration oil to assist.
- Remove casing B en C completely by carefully pulling.
- Turn upside down the part you just removed.
- Remove security spring nr. 6 by pushing both ends together.
- Remove the three bolts nr. 7.
- Remove part nr. 8.
- You can now see membrane E.
- Remove the four bolts nr. 9.
- Pull both casings B en C apart from each other. Push the membrane through the opening you just created.
- You now also see membrane D.
- Twist the big screw nr. 3 inside completely out of its case.
- Disconnect the hook at the bottom side.
- Unscrew ring nr. 10 by removing the three bolts. These can also be very tight (use penetration oil)
- Both membranes can be replaced now.
- Assemble in reverse order.
- Good luck. You need a lot of patience to do this, especially by putting together security spring nr. 6.
- Ventilate the injection system and change the engine oil before you put into use the engine again.

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