

43-615 Removal and installation of double diaphragm vacuum pump

Model 116.1

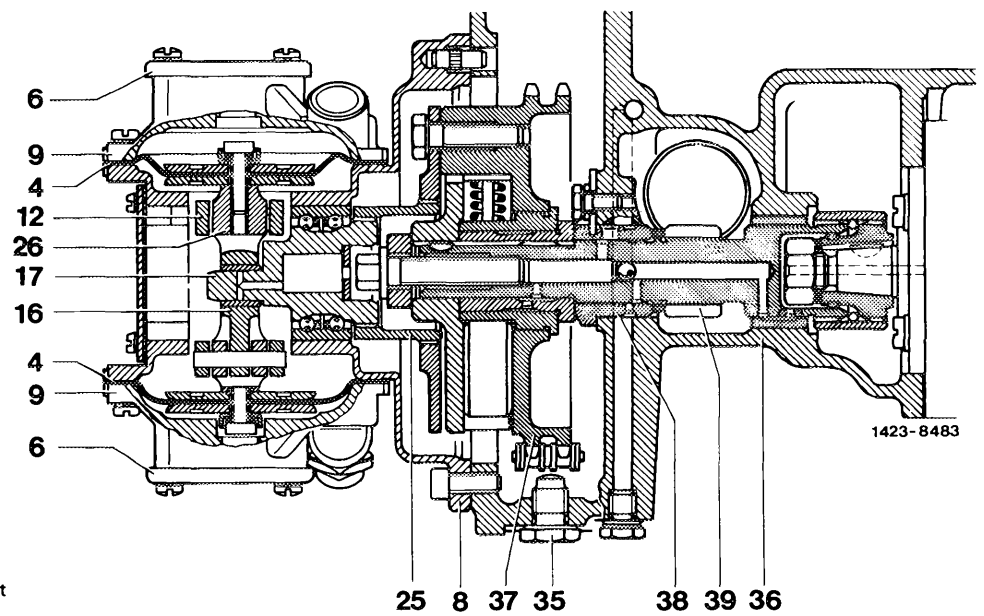
Conventional tool

Allen wrench insert 5 mm 3/8" square

e. g. made by Hazet, 5630 Remscheid,
order no. 2747

Layout double diaphragm vacuum pump

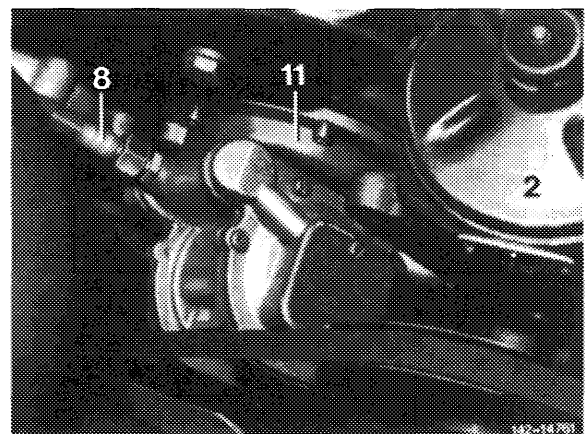
- 4 Diaphragm
- 6 Closing cover
- 8 Pump housing
- 9 Pump cover
- 12 Rocker
- 16 Connecting rod
- 17 Crankpin
- 25 Intermediate sleeve
- 26 Diaphragm rod
- 35 Locking screw
- 36 Crankcase
- 37 Injection timer
- 38 Bearing bushing
- 39 Intermediate gear shaft



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Removal

- 1 Loosen upper cooling water hose, while draining some coolant for this purpose.
- 2 Remove fan and radiator shell.
- 3 Remove V-belt of power steering pump.

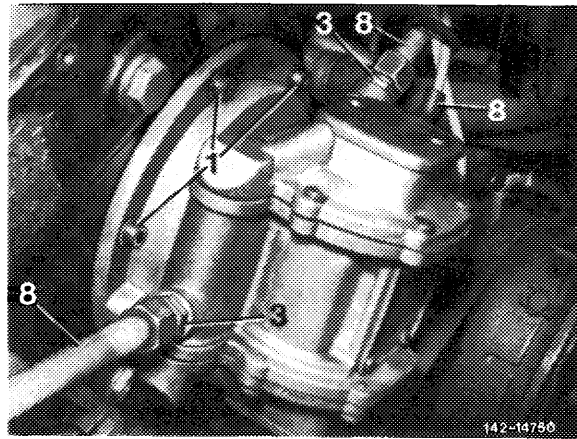


4 Loosen vacuum lines (8) from pump.

5 Unscrew hex. socket screws (1) from cylinder crankcase.

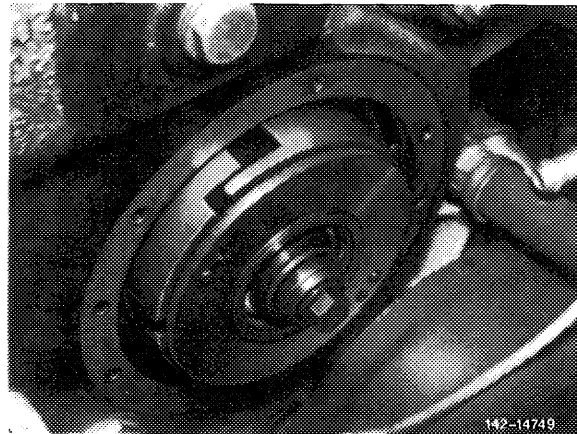
Note: Allen wrench insert is best suited for loosening and tightening hex. socket screws.

6 Remove vacuum pump with toothed intermediate sleeve and gasket.



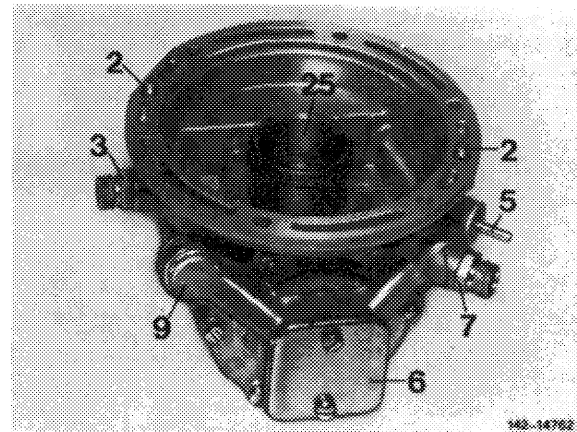
Installation

7 Clean sealing surfaces.



8 Attach pump with new gasket to cylinder crankcase. Make sure that the intermediate sleeve (25) is mounted and that the two fitted pins (2) are correctly seated in crankcase.

- 2 Fitted pin
- 3 Pressure connection
- 5 Suction connection (comfort circuit)
- 6 Closing cover
- 7 Suction connection (brake circuit)
- 9 Pump cover
- 25 Intermediate sleeve



9 Connect vacuum lines on pump.

10 Install V-belt of power steering pump, radiator shell, fan and cooling water hose.

11 Add required coolant.

12 Check vacuum pump for function (42-660).