

43–660 Checking double diaphragm and piston vacuum pump

Data

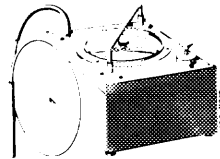
Note: The suction time is measured in seconds up to 0.5 bar vacuum at an engine speed of 750 /min.
The following values apply:

Brake unit and vacuum pump	Brake unit and comfort circuit (e. g. central locking system) vented	Brake unit vented (comfort circuit in order and drawn-off)
9" double diaphragm brake unit and double diaphragm vacuum pump	18–19	12–13
9" double diaphragm brake unit and piston vacuum pump	13–14	9–11

With engine stopped, a vacuum drop of 0.2 bar within 30 seconds is permitted.

Special tool

Tester 0–1000 mbar for vacuum



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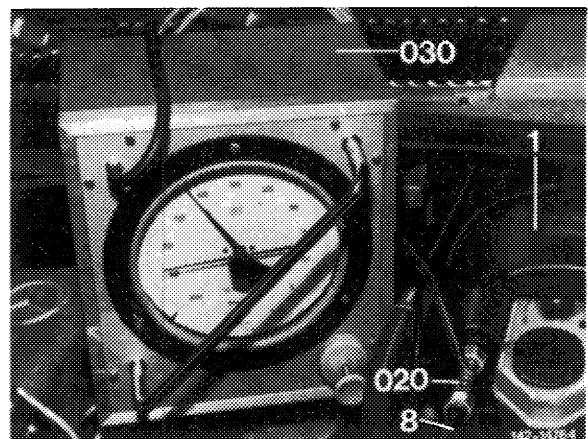
Self-made tool

Measuring connection

refer to Fig. item 1, note

Testing

1 Connect tester (030) with measuring connection (020) to vacuum line (8) between check valve and brake unit (1).



Note: Measuring connection is self-made acc. to specified dimensions (parts 1, 3, 4, 5 and 6 are brazed to each other). For connection to brake unit the pipe fitting including coupling nut of an old vacuum line may be used. Connection to vacuum line is made by means of a screw connection.

2 Run engine at 750 /min and measure the time required for establishing a vacuum of 0.5 bar.

Note: If the specified data are not attained and the vacuum drop is more than 0.2 bar in 30 s, check vacuum system for leaks. If no fault is found, re-condition or renew vacuum pump.

