

43–660 Checking single diaphragm, double diaphragm and piston vacuum pump

Data

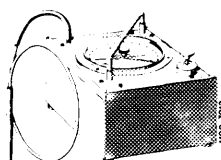
The suction time is measured in seconds up to 0.5 bar vacuum at an engine speed of 750/min. The following data apply:

Brake booster and vacuum pump	Brake unit and comfort circuit (e.g. central locking system) vented	Brake unit vented (comfort circuit in order and suction completed)
9" and 10" single diaphragm brake booster and single diaphragm vacuum pump	15 – 18	10 – 13
9" double diaphragm brake booster and single diaphragm vacuum pump	25 – 26	17 – 18
9" double diaphragm brake booster and double diaphragm vacuum pump	18 – 19	12 – 13
9" double diaphragm brake booster and piston vacuum pump	13 – 14	9 – 11
10" single diaphragm brake booster and piston vacuum pump	12 – 13	7 – 9

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

Special tool

Vacuum tester



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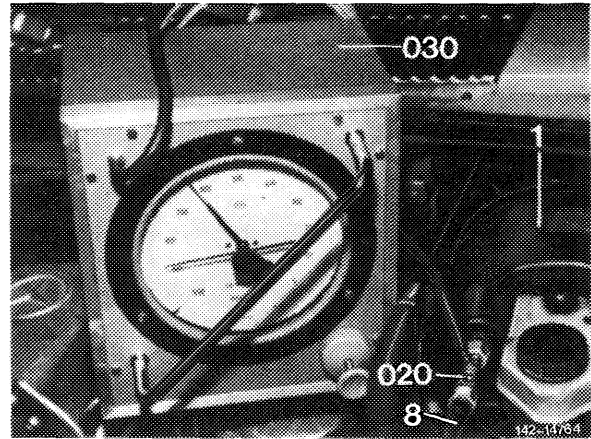
Self-made tool

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 booster (1).



Note: The measuring connection is self-made according to specified dimensions (parts 1, 3, 4, 5 and 6 are brazed to each other). For connection to brake booster the pipe section and 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 until a vacuum of 0.5 bar has been established.

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

