

Pneumatic Test Program – Test

Preparation for Test

- A. Vacuum Distributor Block, Vacuum Reservoir, Switchover Valve Block (Y11/3)

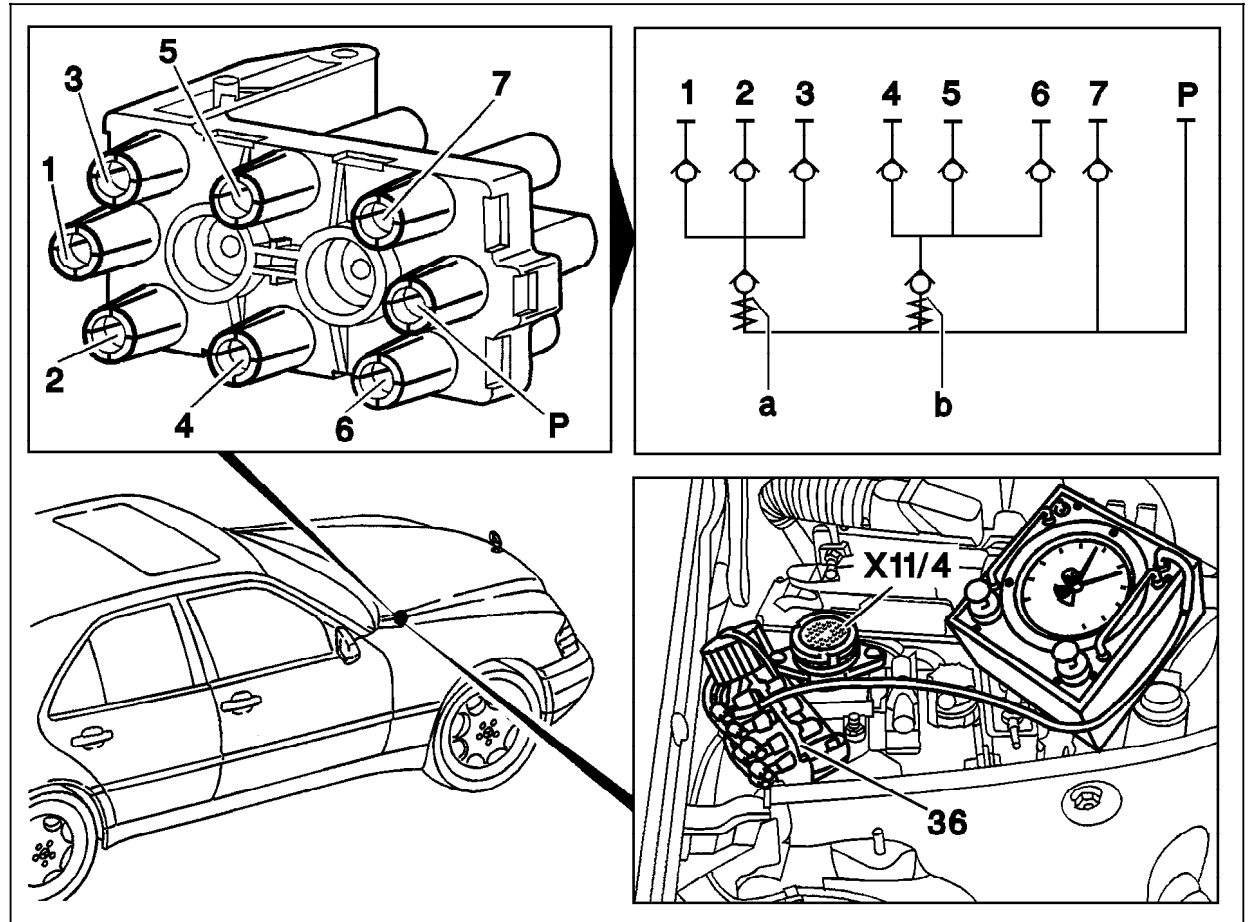


Figure 1

36 Vacuum distributor block

P83-5664-57

Pneumatic Test Program - Test

Preparation for Test

1. Disconnect all vacuum lines at vacuum distributor block (36).
2. Check gray vacuum line to intake manifold for leaks.

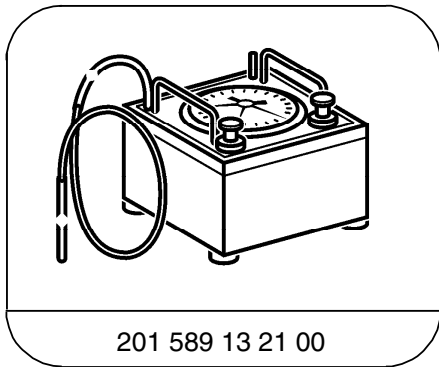
Note:

Permissible leakage of the elements with vacuum lines at 400 mbar vacuum per minute is 30 mbar.

Conventional tools, test equipment

Description	Brand, model, etc.
Connector	129 805 04 44

Special Tools



201 589 13 21 00

Tester

Pneumatic Test Program – Test


A. Vacuum Distributor Block, Vacuum Reservoir, Switchover Valve Block (Y11/3) Test

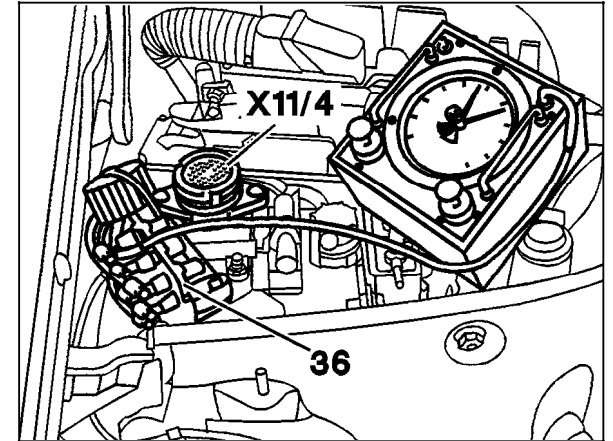
⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Entire vacuum distributor block	Connection “P” on vacuum tester.	Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum distributor block, ⇒ 1.1
1.1	Vacuum distributor block, check valve “a”	Connection “1” on vacuum tester.	Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum distributor block, ⇒ 1.2
1.2	Vacuum distributor block, check valve “b”	Connection “4” on vacuum tester.	Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum distributor block.
2.0	Vacuum reservoir with vacuum line	Red/gray vacuum line (connection 4) on vacuum tester	Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum lines, Vacuum reservoir.
3.0	Switchover valve block (Y11/3)	Ignition: OFF medium green line (connection 5) on vacuum tester	Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Y11/3.

Pneumatic Test Program – Test

Preparation for Test

B. Vacuum system

1. Ignition: **ON**
2. Press  stage 1.
3. "53" in display window, see 13.
4. Medium green line (connection "5") on vacuum tester.







P83-5635-13

Figure 2

36 Vacuum distribution block






Pneumatic Test Program – Test

B. Vacuum system Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Defroster flap vacuum element, long stroke (80%)		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Defroster flap vacuum element.
2.0	Defroster flap vacuum element, short stroke (20%) ¹⁾		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Defroster flap vacuum element.
3.0	Left and right center outlet tempering flap vacuum element		Press  Evacuate with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Left and right center outlet tempering flap vacuum element.
4.0	Center outlet diverter flap vacuum element		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Center outlet diverter flap vacuum element.

1) Before activating the short stroke (20%), the long stroke (80%) must be activated.

Pneumatic Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0		Fresh/recirculating air flap vacuum element, long stroke (80%)		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Fresh/recirculating air flap vacuum element.
6.0		Fresh/recirculating air flap vacuum element, short stroke (20%) ¹⁾		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Fresh/recirculating air flap vacuum element.
7.0		Footwell flap vacuum element, long stroke (80%)		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Footwell flap vacuum element.
8.0		Footwell flap vacuum element, short stroke (20%) ¹⁾		Press  Evacuate system with 300 mbar vacuum	30 mbar pressure increase in 1 minute	Vacuum line, Footwell flap vacuum element.

¹⁾ Before activating the short stroke (20%), the long stroke (80%) must be activated.