



F1

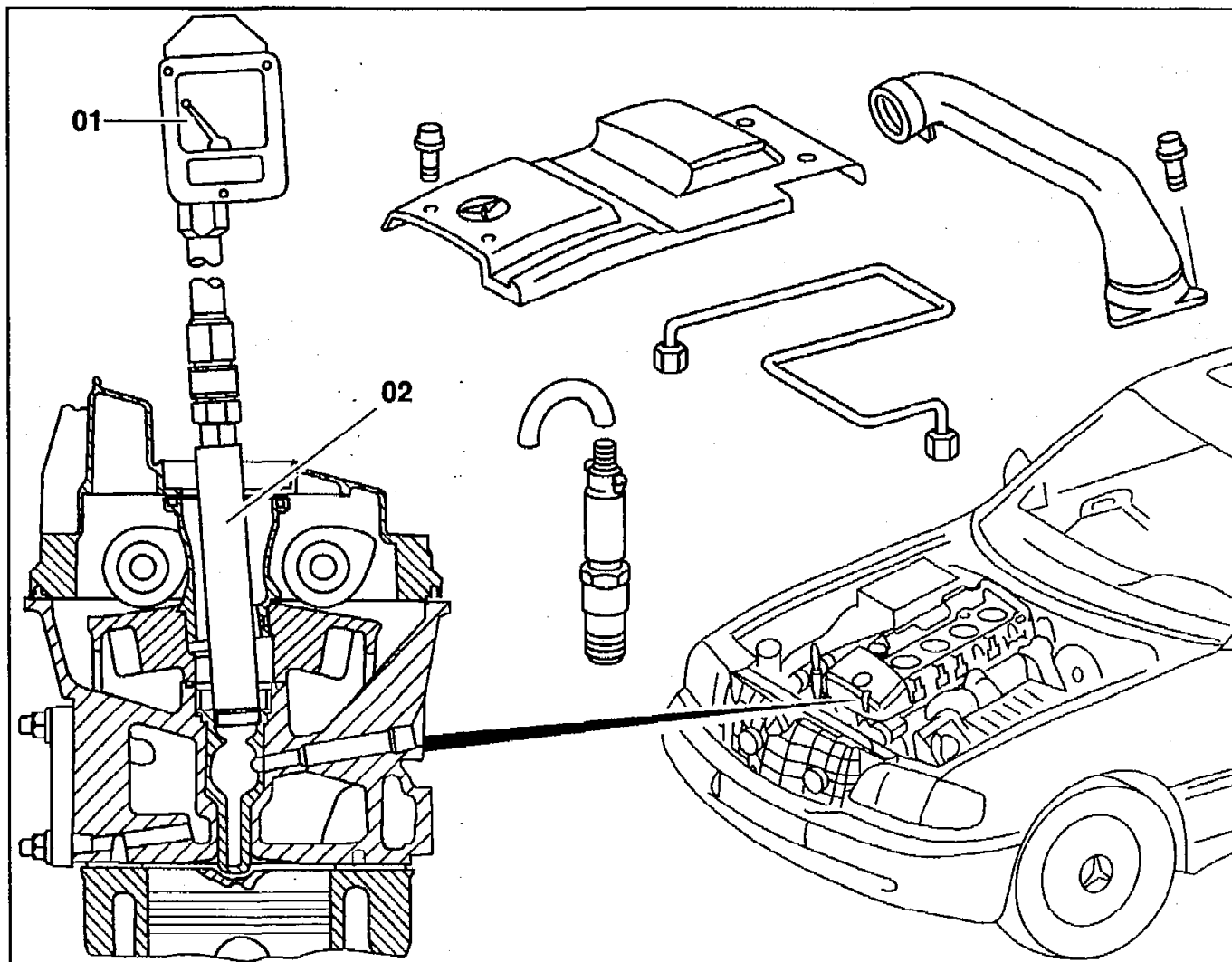
AR01.00-P-1200HA

Testing compression pressure

2.4.93

**ENGINE 604, 605, 606 /****Testing compression pressure through hole  
of injection nozzle**

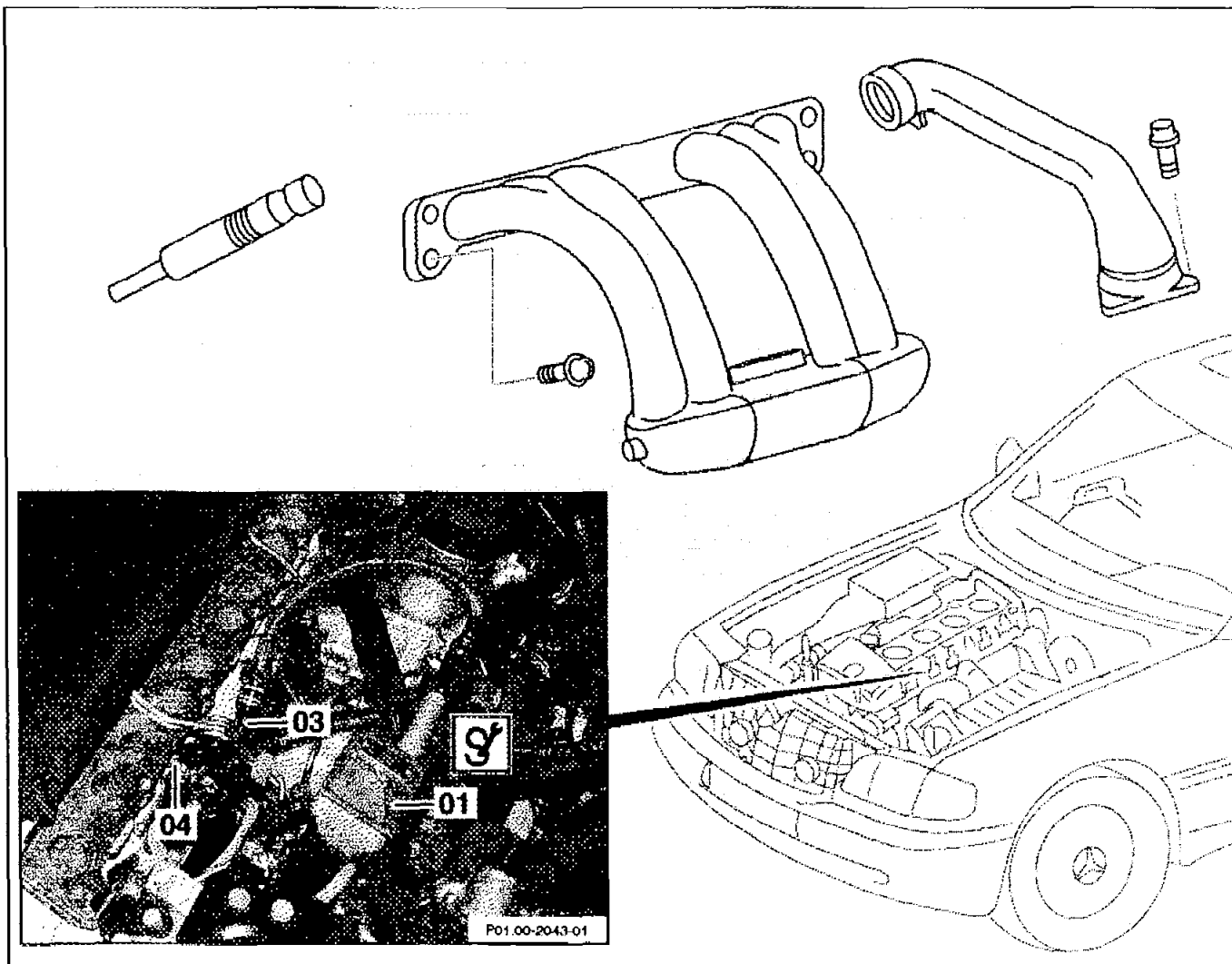
- 01  Compression tester  
02  Connector





### Testing compression pressure through hole of glow plug







- 01  Compression tester
- 03  Angled piece
- 04  Connector











P01.00-2042-06



The compression pressure can be tested at the hole of the injection nozzle or at the hole of the glow plug

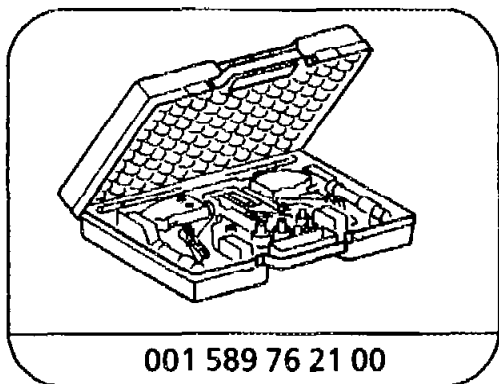
	<p><b>Removing, installing</b></p>		
<p>1</p>	<p>Warm up engine to operating temperature (approx. 80 °C)</p>	<p> Test compression pressure when engine at operating temperature.</p>	
<p>2.1</p>	<p>Remove injection nozzles</p>	<p>For test at hole of injection nozzle</p>	<p>AR07.03-P-6830H</p>
<p>3.1</p>	<p>Remove glow plug</p>	<p>For test at hole of glow plug</p>	<p>AR15.20-P-4111C</p>
<p>4</p>	<p>Crank engine with starter</p>	<p> Do not crank engine with ignition/starter switch but use the contact switch of the compression tester.</p> <p> Crank engine several times with the starter in order to eliminate combustion residues in cylinder.</p> <p>Model 202, 210</p> <p>Model 140 with engine 606.961</p> <p>Model 463 with engine 606.964</p> <p>Model 124</p> <p> Pressurize vacuum line of injection pump with vacuum.</p> <p> Crank engine with ignition/starter switch.</p>	<p>AR01.10-P-0110B <b>D3</b></p> <p>AR01.10-P-0110D <b>G3</b></p> <p>AR01.10-P-0110GG</p> <p>AR01.10-P-0110HA <b>J3</b></p>
	<p><b>Testing</b></p>		

5	Connect compression tester (01)	<p> For test at hole of injection nozzle, use connector (02)</p> <p> Connector (02)</p> <p> For test at hole of glow plug, use angled piece (03) and connector (04)</p> <p> Connector (04)</p>	<p>001 589 76 21 00</p> <p>604 589 00 63 00</p> <p>602 589 00 25 00</p>
6	Crank engine with starter	<p> Do not crank engine at the ignition/ starter switch but use the contact switch of the compression tester.</p> <p> Crank engine several times with the starter to eliminate combustion residues in the cylinder.</p> <p>Model 202, 210</p> <p>Model 140 with engine 606.961</p> <p>Model 463 with engine 606.964</p> <p>Model 124</p> <p> Pressurize vacuum line of injection pump with vacuum.</p> <p> Crank engine with ignition/starter switch.</p>	<p>AR01.10-P-0110B <b>D3</b></p> <p>AR01.10-P-0110D <b>G3</b></p> <p>AR01.10-P-0110GG</p> <p>AR01.10-P-0110HA <b>J3</b></p>
7	Carry out test procedure at the remaining cylinders in the same manner		

8	Compare the readings obtained with the specified values	<p>If the compression pressure is below the specified minimum or if the permissible difference between the individual cylinders is exceeded ↓</p> <p>test cylinders for leaks</p>	<p>BE01.00-P-1001-01A</p> <p>BE01.00-P-1002-01A</p> <p>BE01.00-P-1003-01A</p> <p>AR01.00-P-1300HA <b>M1</b></p>
9	Install in the reverse order		

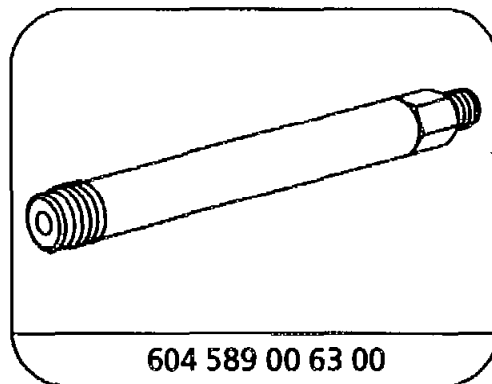
**Compression pressure**

Number	Designation	Engine 604, 605, 606
BE01.00-P-1001-01A	Compression pressure installation tolerance or new value	bar 29–35
BE01.00-P-1002-01A	Compression pressure wear limit or limit value	bar ≈ 18
BE01.00-P-1003-01A	Compression pressure permissible difference between individual cylinders	bar ≤ 3



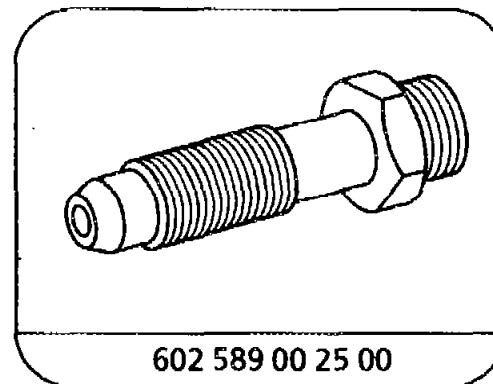
001 589 76 21 00

Compression tester



604 589 00 63 00

Connector



602 589 00 25 00

Adapter