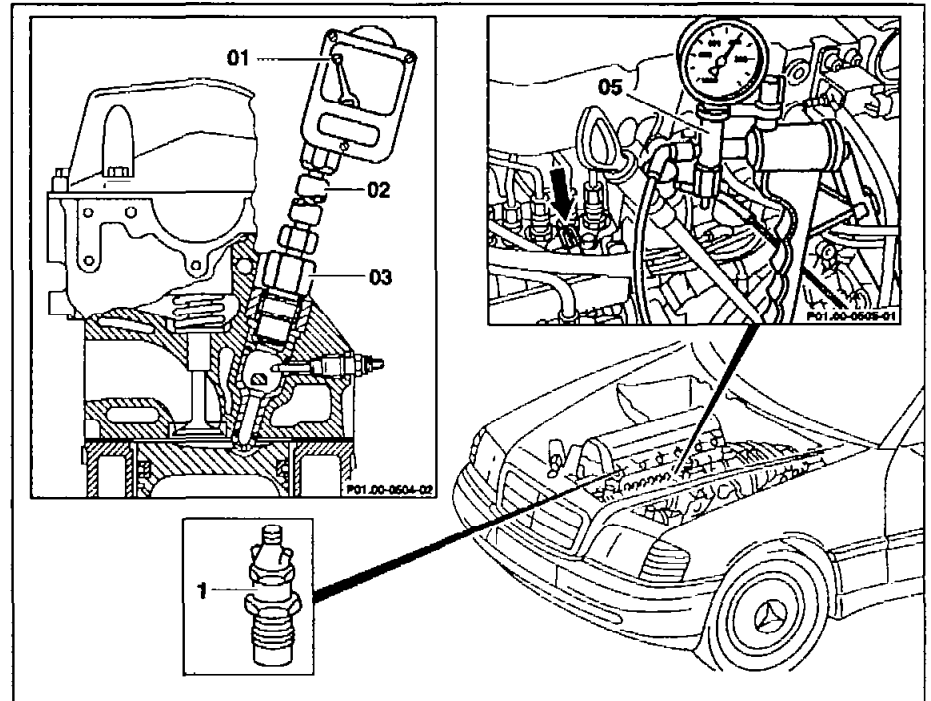









ENGINE 601 in MODEL 124, 201, 202


ENGINE 602 in MODEL 124, 201

ENGINE 603 in MODEL 124, 126, 140



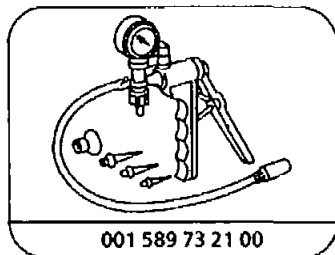
P01.00-0506-06

	Removing, installing		
1	Warm engine up to operating temperature	 Test compression pressure only when engine at operating temperature	
2	Remove injection nozzles (1)	Naturally aspirated engine Turbo engine	07.1-230 07.1-6810
3.1	Remove windshield washer fluid reservoir	Model 202	
4	Connect vacuum pump (05) to stop unit and pressurize with about 400 mbar	 This prevents fuel being injected.	001 589 73 21 00
5	Crank engine several times with ignition/starter switch for cleaning; the transmission should be in neutral for this step.		
6	Screw compression recorder (01) with the appropriate connector (03) and flexible connection piece (02) into the prechamber of the cylinder to be tested	 Use connector on engines with oblique injection.  	602 589 00 63 00 124 589 36 63 00 001 589 76 21 00
7	Test compression pressure; crank engine at least 9 revolutions with ignition/starter switch for this step with transmission in neutral and vacuum pump connected.	 Test compression pressure of the remaining cylinders in the same way.	BE01.00-P-1001-01A BE01.00-P-1002-01A

8	Compare pressures measured with the specified test data.	 If the pressure is below the minimum compression pressure at one or several cylinders, determine cause; test cylinders for leaks if necessary. Testing cylinder leaktightness	BE01.00-P-1003-01A 01-015
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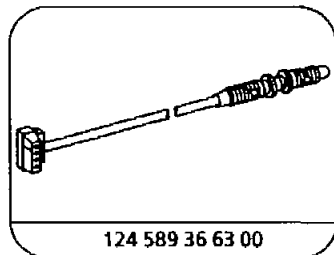
Compression pressure

Number	Designation		Engine 601, 602 except 602.98, 603 with compression recorder 001 589 47 21 00	Engine 601, 602 except 602.98, 603 with compression recorder 001 589 78 21 00
BE01.00-P-1001-01A	Compression pressure installation tolerance or value when new	bar	26–32	29–35
BE01.00-P-1002-01A	Compression pressure wear limit or limit value	bar	≈ 18	≈ 18
BE01.00-P-1003-01A	Compression pressure permissible difference between individual cylinders	bar	≤ 3	≤ 3



001 589 73 21 00

Manually operated vacuum pump



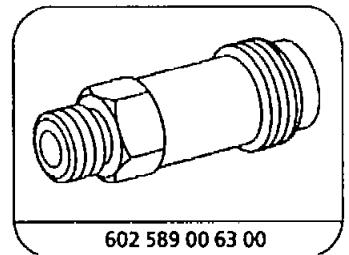
124 589 36 63 00

Adapter cable



001 589 76 21 00

Compression recorder



602 589 00 63 00

Connector