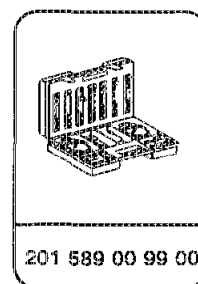
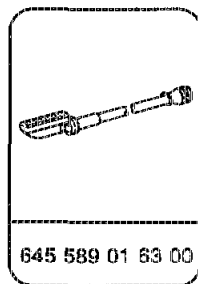
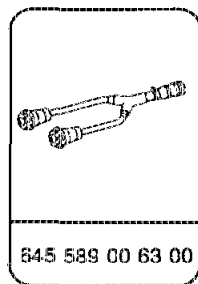
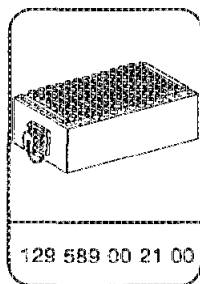


Conditions for test

- Before test work connect brake fluid changing equipment.
- The hydraulic system must be de-pressurized before any work on the hydraulics. To do this, switch off ignition. Open bleed screw "SP" on the ABS/ASR hydraulic unit (A7/3) and allow the contents of the accumulator to discharge into the brake fluid receptacle.
- After the test work, first carry out the pressure accumulator charging process (plug on ABS/ASR control unit and start engine, allow engine to run until accumulator is full), then correct fluid level in the brake fluid reservoir.
- Test step 1: The specified large tolerance of the pressure value (1.8 - 11 bar) depends on the production tolerances in the charging pump, ABS/ASR hydraulic unit and in the check valve of the pressure accumulator.
- Test steps 2 and 3: In the event of a defective high pressure/return pump (A7/3m1), either there is no pressure build-up or too slow a pressure build-up (> 60 seconds).
In the event of a defective pressure accumulator, the pressure build-up either takes place quickly to values below 50 bar and then slowly again up to maximum pressure or rapidly and continuously up to maximum pressure.

Special Tools



Commercially available tools or testers

Pressure tester

Please contact your authorized Mercedes-Benz Dealer.

Brake fluid changing equipment

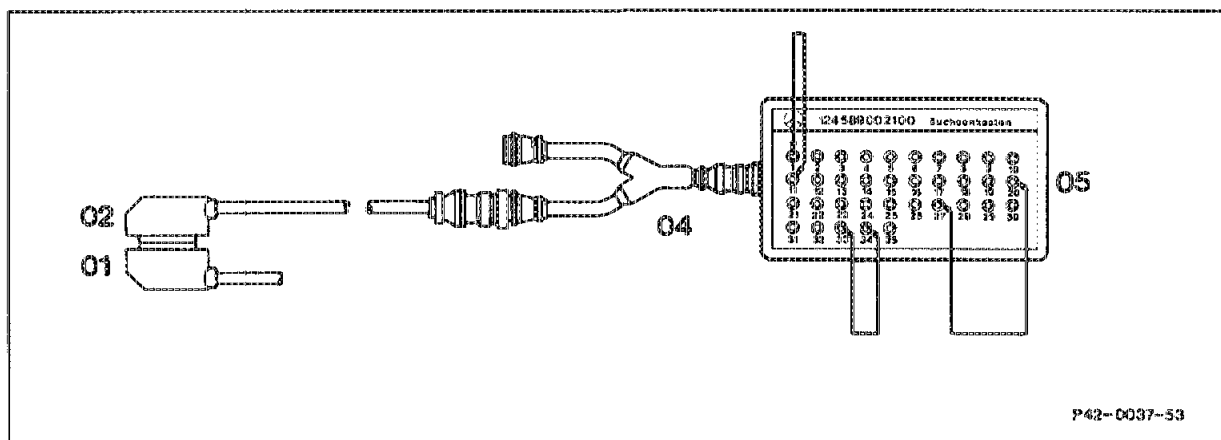
Please contact your authorized Mercedes-Benz Dealer.

Connecting testers

CAUTION!

Test step 1

With the ignition switched off, disconnect connector to ABS/ASR control module (N39/1).



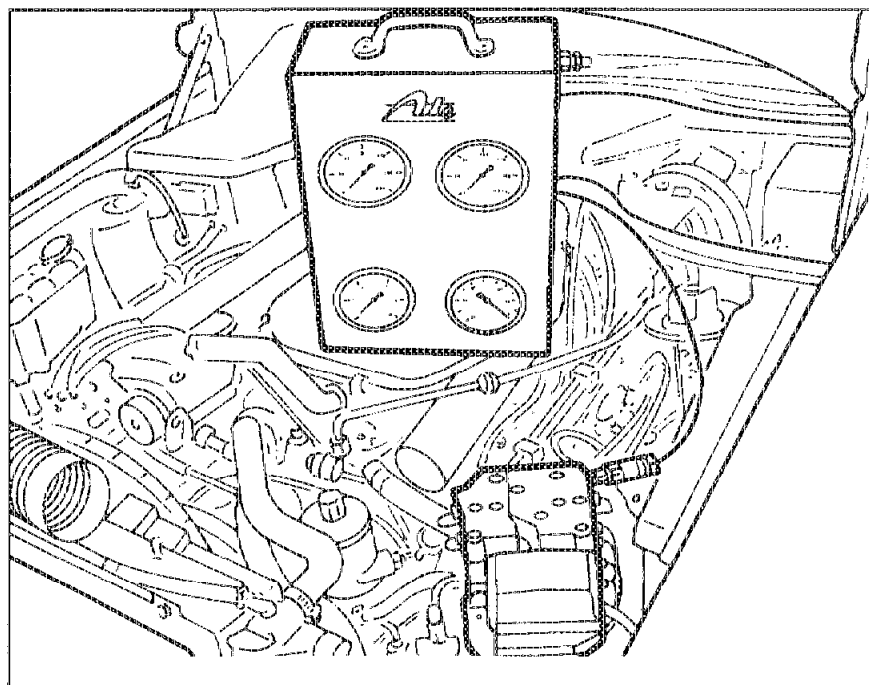
P42-0037-53

Bridges to socket box (example test step 1)

01 Vehicle cable harness (ABS/ASR control module)	04 Test cable	645 589 00 63 00
02 Test cable 645 589 02 63 00	05 Socket box	129 589 00 21 00

Test steps 1, 2 and 3

Pressure tester to ABS/ASR hydraulic unit (A7/3) connection "SP"



P42-2059-35A

Symbol clarification



Socket box



Bridge




Pressure tester

Test program

Test step	Test scope	Measuring equipment/test connection	Test operation	Nominal value	Possible cause/Remedy
1	ASR charging pump (M15)	10 bar to "SP" N30/1 1 11 20 27 33 34	Ignition: ON (max. 60 s)	1.8-11 bar	Cable interrupted, hydraulic connections leaking, replace ASR charging pump (M15).
2	High pressure / return pump (A7/3m1)	250 bar to "SP"	Engine: start	Pressure increases rapidly to 50-110 bar, then continues slowly to 150-200 bar. Charging time max. 60 s	Hydraulic connections leaking, replace ABS/ASR hydraulic unit (A7/3). Also refer to ASR electrical/electronics test program (test steps 39 and 40). Also refer to test step 3i

42-0824 Hydraulic test program - ASR II

Test step	Test scope	Measuring equipment/test connection	Test operation	Nominal value	Possible cause/Remedy
3	Pressure accumulator	 250 bar to "SP"	Engine: start	Pressure increases rapidly to 50-110 bar, then continues slowly to 150-200 bar. Charging time max. 60 s	Hydraulic connections leaking. Replace pressure accumulator.