Hydraulic Test Program - Valve Assembly Internal Leakage Test
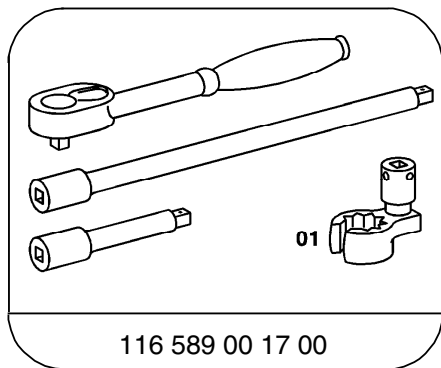
Preliminary work:
Leveling valve pressure test   34
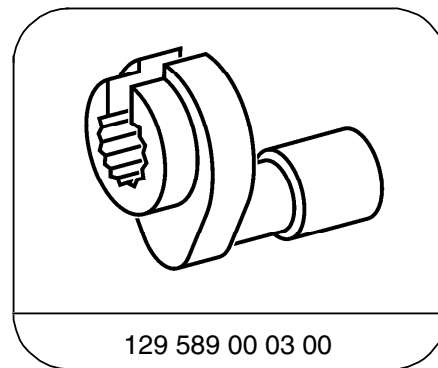
Preparation for Test

1. Check oil level in oil reservoir, correct if necessary.
2. Unscrew connecting rod at front and rear leveling valve levers (set
    levers to neutral position).
3. Disconnect leak oil line of suspension strus at front axle and close steel
    line.
4. Check pressure supply screw (50a) for proper seating.
5. Disconnect return line (T) at oil reservoir.

Special Tools

116 589 00 17 00	129 589 00 03 00
Box wrench	Box wrench

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Component Locations

P32-5780-13

P32-5781-13

P32-5762-13

P32-5753-13

P32-5772-13

P32-5759-57

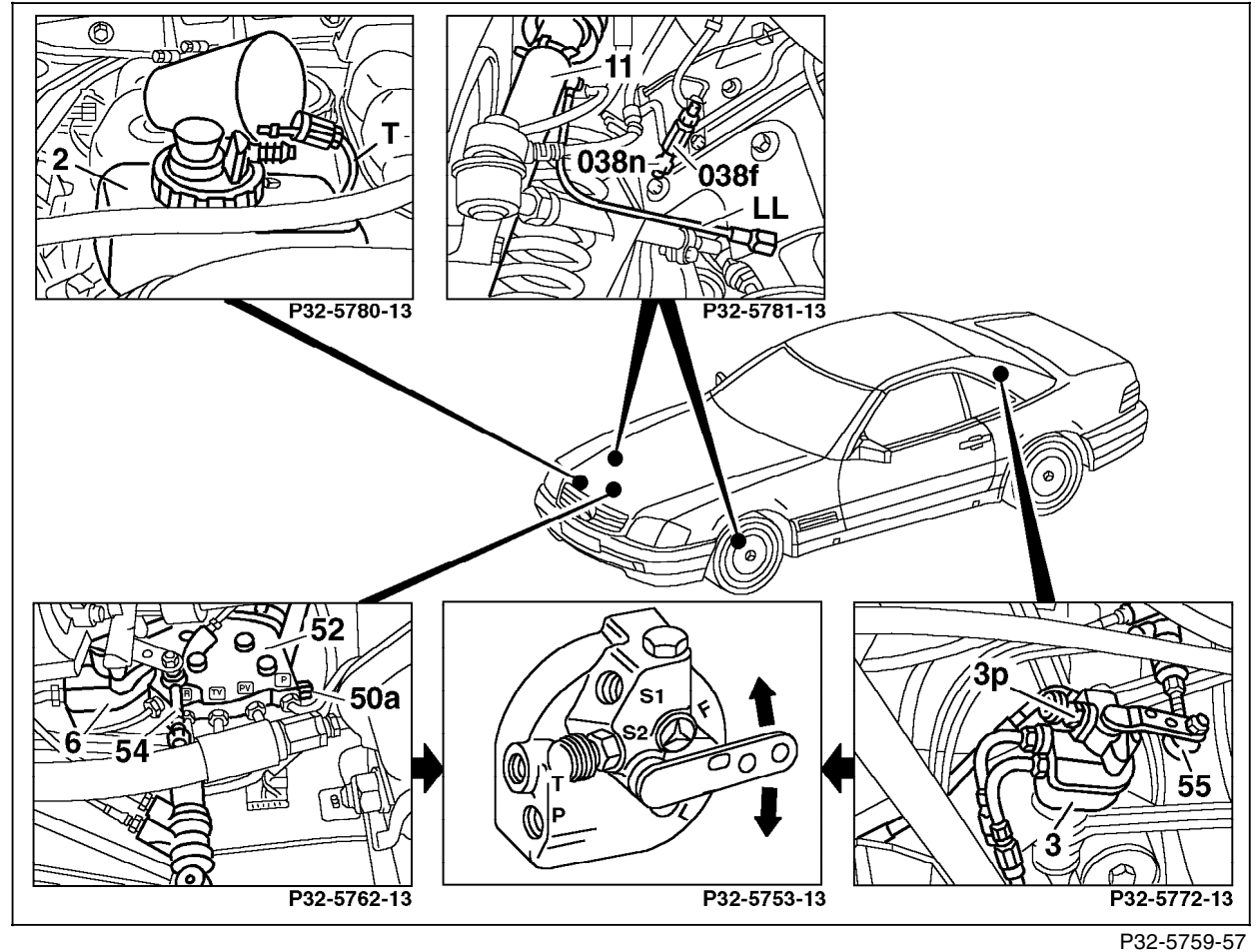Figure 1

2	Hydraulic oil reservoir
3	Rear axle leveling valve
6	Front axle leveling valve
50a	Pressure supply screw
54	Front axle connecting rod
55	Rear axle connecting rod
LL	Leak oil return line - left suspension strut, front axle distirbutor/valve unit
T	Return line - oil reservoir distributor/valve unit
038f	Coupling (from hydraulic kit)
038n	Vent screw (from hydraulic kit)

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Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	**Valve assembly internal leakage**	—	Engine: **at Idle** Set front axle leveling valve lever to "F" (fill). Then move leveling valve lever to center position.	Vehicle must raise at front axle.	Replace distributor valve or valve assembly.
			Set rear axle leveling valve lever to "F" (fill). Then move leveling valve lever to center position.	Vehicle must raise at rear axle.	Replace distributor valve or valve assembly.
			Engine: **OFF** Wait at least two minutes (allows valves to close).		
			Move both leveling valve levers to "L" (empty).	Vehicle must not lower.	36
	Leak oil discharge	—	Disconnect return line (T) at reservoir. Attach drain hose and place into measuring container.	Maximum of 2 cc oil discharge in four hours.	Replace distributor valve or valve assembly.

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