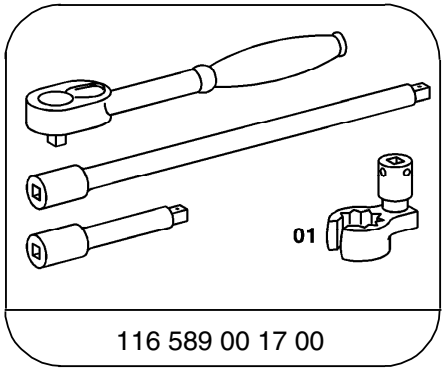
## Hydraulic Test Program – Valve Assembly Internal Leakage Test (Model 129)



### Preparation for Test

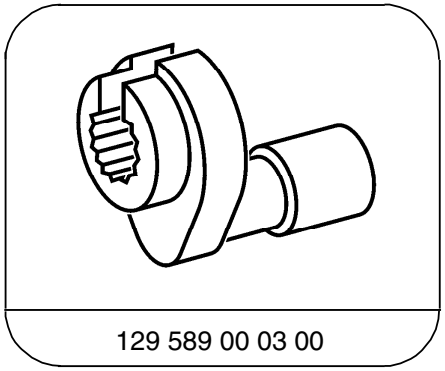
1. Check oil level in oil reservoir, correct if necessary.
2. Disconnect connecting rods (54, 55) at front and rear leveling valve levers (set levers to neutral position).
3. Disconnect leak oil line of suspension strus at front axle and close steel line.
4. Disconnect return line (T) at oil reservoir.

### Special Tools




116 589 00 17 00

Box wrench



129 589 00 03 00

Box wrench

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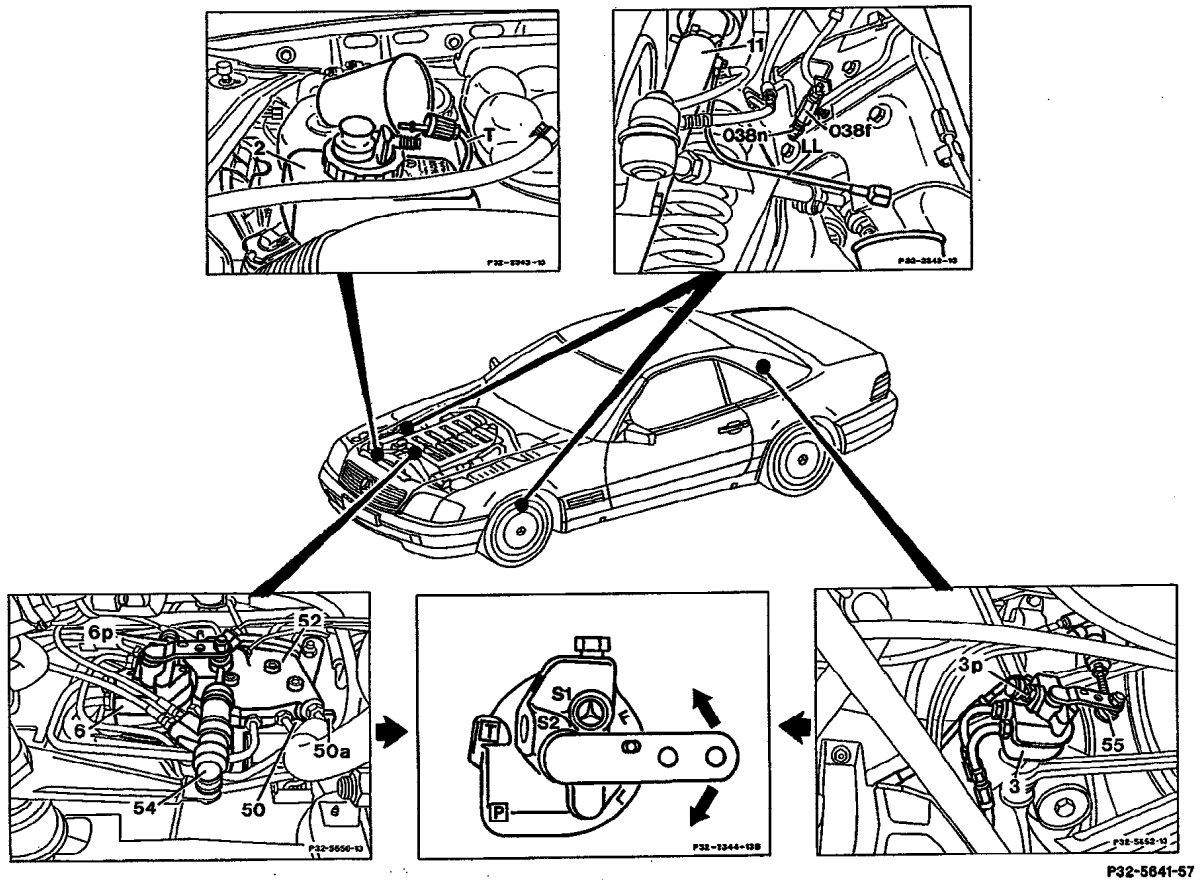


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Figure 1

| | |
|---|---|
| 2 | Hydraulic oil reservoir |
| 3 | Rear axle leveling valve |
| 6 | Front axle leveling valve |
| 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) |
| 50 | Distributor valve |
| 52 | Distributor |

## Hydraulic Test Program – Valve Assembly Internal Leakage Test (Model 129)

| Test step | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy |
|---|---|---|---|---|---|
| ⇒ 1.0 | **Valve assembly internal leakage** | — | Engine: **at Idle**<br>Set front axle leveling valve lever to “F“ (fill).<br>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).<br>Then move leveling valve lever to center position. | Vehicle must raise at rear axle. | Replace distributor valve or valve assembly. |
| | | | Engine: **OFF**<br>Wait at least two minutes (allows valves to close). | | |
| | | | Move both leveling valve levers to “L“ (empty). | Vehicle must not lower. | Replace distributor valve or valve assembly. |
| | 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. |