

### 3.4 Adaptive Damping System (ADS) with electronic level control

#### Hydraulic Test Program – Vehicle Level Test

##### Preparation for Test

1. Check oil level in oil reservoir, correct if necessary.

**Note:**

Set vehicle level to normal.

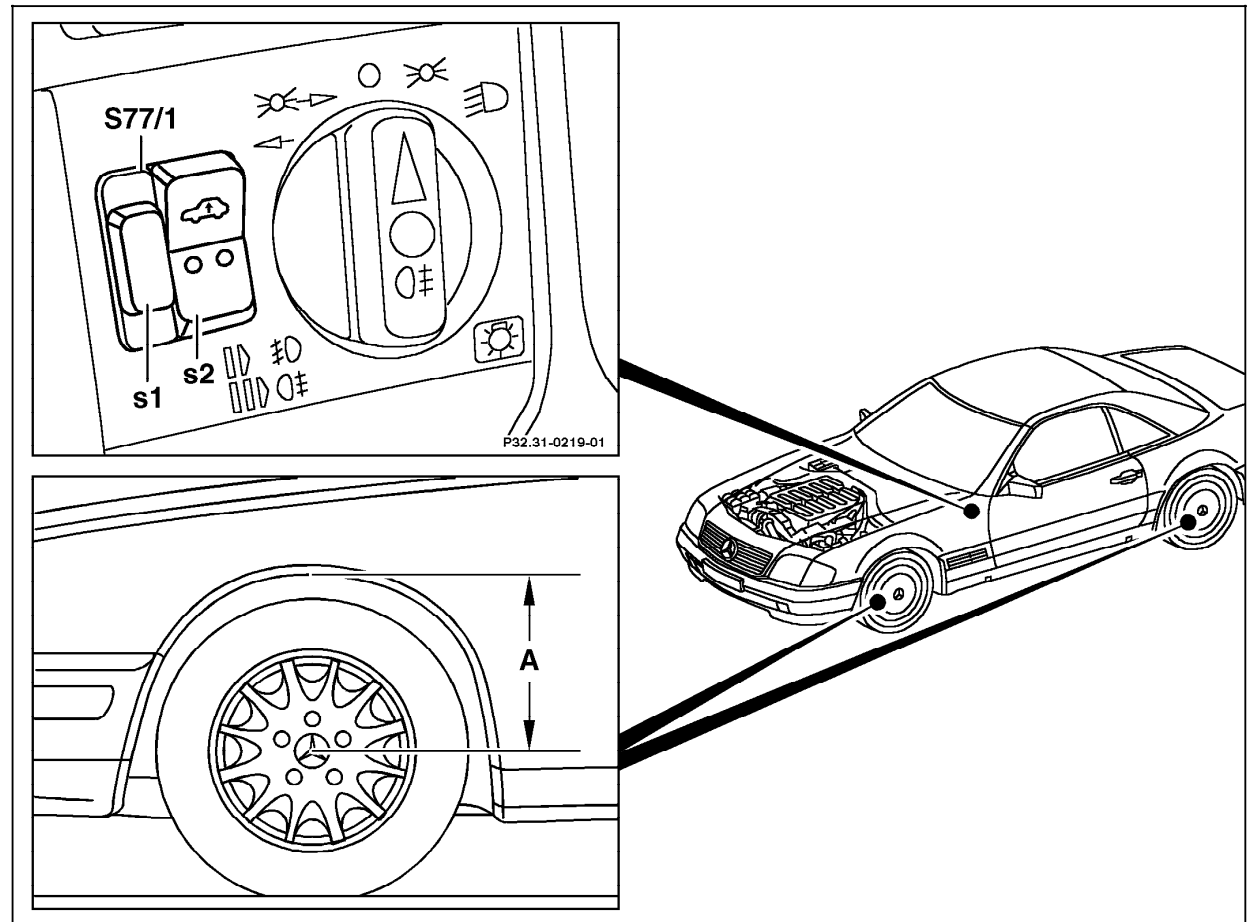


Figure 1

- S77/1 Level adjustment switch
- s1 Lock-out switch
- s2 High/normal level control switch
- A Distance from center of wheel to top fender well

P32.31-0269-06

### 3.4 Adaptive Damping System (ADS) with electronic level control

#### Hydraulic Test Program – Vehicle Level Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	<p><b>Normal level</b></p> <p><b>Vehicle level at stage 1</b></p> <p><b>Vehicle level at stage 2</b></p>	Level control raise/lower switch (S77/1s2)	<p>Engine: <b>at idle</b> LED's in switch: <b>OFF</b> Measure and record distance A at front and rear axle.</p> <p>S77/1s2 in position: <b>raise level stage 1</b> (press switch 1X). As soon as LED in switch is constantly lit: Measure and record distance <b>A</b> (Figure 1) at front and rear axle.</p> <p>S77/1s2 in position: <b>raise level stage 2</b> (press switch 2X). As soon as LED in switch is constantly lit: Measure and record distance <b>A</b> (Figure 1) at front and rear axle.</p>	<p>Vehicle height increase:</p> <p>+15 mm at front axle +15 mm at rear axle</p> <p>Vehicle height increase:</p> <p>+15 mm at front axle +15 mm at rear axle</p> <p>(Total level change =30 mm)</p>	<p>Leveling Valve Pressure Test 33 (if no change in level is noted at front or rear of vehicle).</p> <p>Internal Leakage Test, Front Axle Circuit 34</p> <p>Internal Leakage Test, Rear Axle Circuit 35</p> <p>Leveling Valve Pressure Test 33 (if no change in level is noted at front or rear of vehicle).</p> <p>Internal Leakage Test, Front Axle Circuit 34</p> <p>Internal Leakage Test, Rear Axle Circuit 35</p>

### 3.4 Adaptive Damping System (ADS) with electronic level control

#### Hydraulic Test Program – Vehicle Level Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
		<b>Normal level</b>		S77/1s2 in position: <b>Normal level</b> (press switch down 2x) As soon as LED's in switch are <b>OFF</b> : Measure and record distance <b>A</b> (Figure 1) at front and rear axle.	Vehicle height decrease: -30 mm at front axle -30 mm at rear axle  There may be some delay in leveling to normal level, if vehicle is stationary.	Leveling Valve Pressure Test 33 (if no change in level is noted at front or rear of vehicle).