

### Diagnosis – Function Test (Central Locking)

#### Component Location

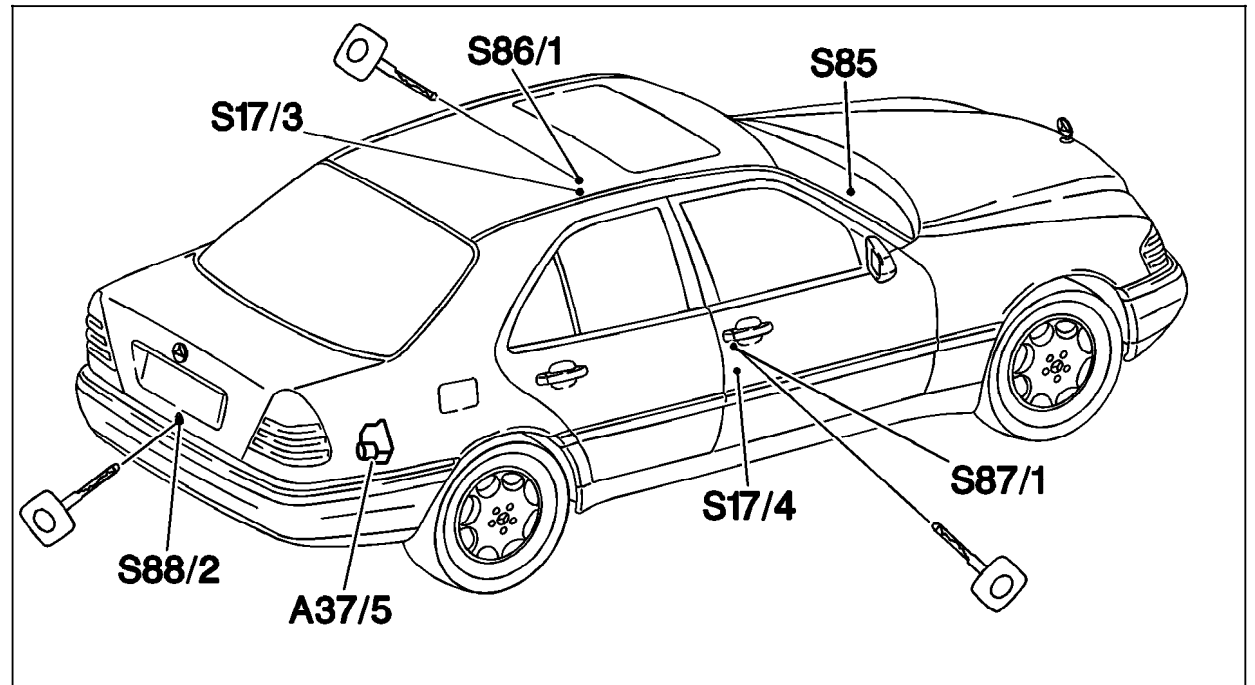


Figure 1

- A37/5 PSE control module
- S17/3 Left front door switch
- S17/4 Right front door switch
- S85 CL interior control switch
- S86/1 Left front door lock switch (CF)
- S87/1 Right front door lock switch (CF)
- S88/2 Trunk lid lock switch (CF)

P80-5127-55

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#### Preparation for Test:

1. **Model 202 up to 11/94:** Check fuse F3–33 ok,
2. **Model 202 as of 12/94:** Check fuse F1–27 ok,
3. Battery voltage 11 to 14 V.
4. Vehicle unlocked.
5. All doors and trunk lid closed.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 1.0 Locking vehicle via left front door	Turn key in left front door lock to right.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37/4, A37/5) <b>does not run.</b>                      23 ⇒ 1.0, 5.0</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37/4, A37/5) <b>runs.</b>                      32 PSE ⇒ 1.0,                      32 ⇒ 2.0</p>

<sup>1)</sup> Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 2.0 Unlocking vehicle via left front door	Turn key in left front door lock to left.	All doors, trunk lid and filler flap unlock in 3 sec.	<p>Vehicle does not unlock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 5.0</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 2.0, 32 ⇒ 1.0</p>
⇒ 3.0 Locking vehicle via right front door	Turn key in right front door lock to left.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 3.0</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 1.0, 32 ⇒ 2.0</p>

<sup>1)</sup> Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 4.0 Unlocking vehicle via right front door	Turn key in front door lock to the right.	All doors, trunk lid and filler flap unlock in 3 sec.	<p>Vehicle does not unlock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 3.0</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 2.0, 32 ⇒ 1.0</p>
⇒ 5.0 Locking vehicle via trunk lid	Turn key in trunk lid lock to the right.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 4.0</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 1.0, 32 ⇒ 2.0</p>

<sup>1)</sup> Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 6.0 Unlocking vehicle via trunk lid	Turn key in trunk lid lock to the left.	All doors, trunk lid and filler flap unlock in 3 sec.	<p>Vehicle does not unlock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 4.0</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 2.0, 32 ⇒ 1.0</p>
⇒ 7.0 Locking vehicle via central locking interior control switch	All doors closed. Vehicle unlocked from outside. Press switch in locking position.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b>. 23 PSE ⇒ 1.0, 2.0.</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b>. 32 PSE ⇒ 1.0, 32 ⇒ 2.0</p>

<sup>1)</sup> Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 8.0 Unlocking vehicle via central locking interior control switch	Front doors closed. Press central locking switch interior control in unlocking position.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b> . 23 ⇒ 1.0, 2.0.  Vehicle does not unlock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b> . 32 PSE ⇒ 2.0, 32 ⇒ 1.0
⇒ 9.0 Unlocking vehicle by opening a front door	Vehicle locked via the central locking interior control switch. Open a front door via inside door handle only.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37/4, A37/5) <b>does not run</b> . 23 ⇒ 1.0, 6.0  Vehicle does not unlock even though pump motor in PSE control module (A37/4, A37/5) <b>runs</b> . 32 PSE ⇒ 2.0, 32 ⇒ 1.0

<sup>1)</sup> Observe Preparation for Test, see 22.