

Diagnosis – Function Test (CL)

Preliminary work:

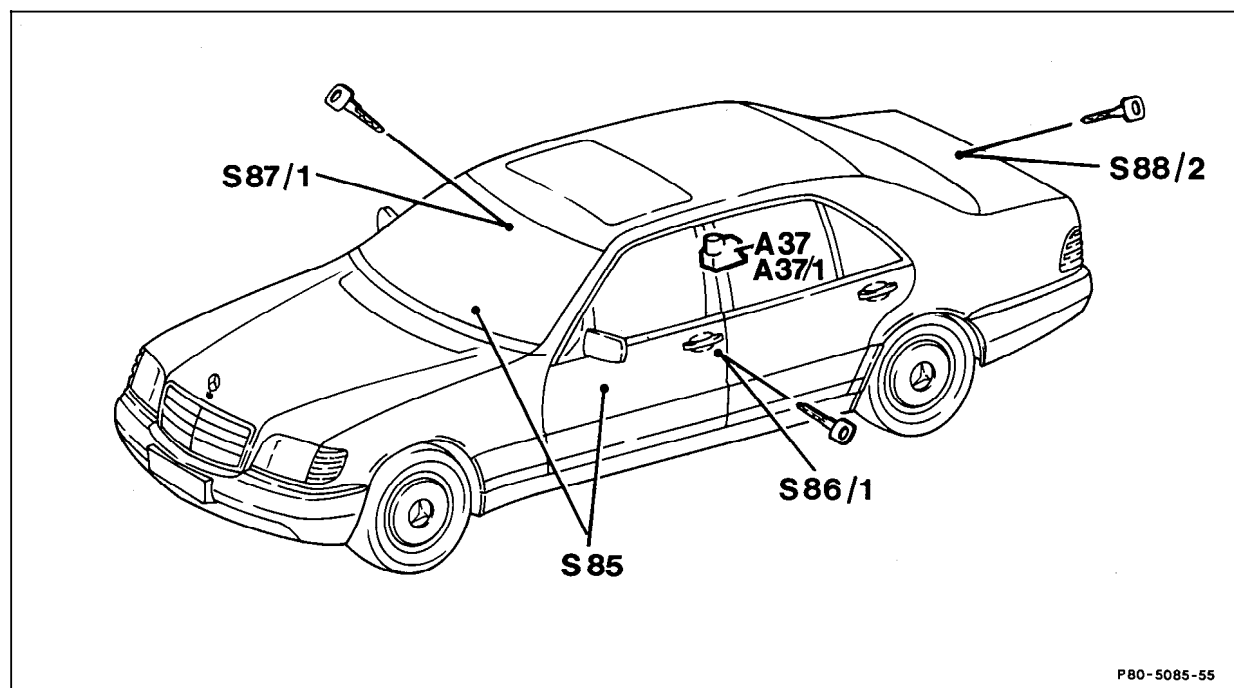
Diagnosis - Diagnostic Trouble Code (DTC) Memory 11 PSE

Component Locations

Figure 1

A37, A37/1	PSE control module
S85 1)	Interior CL switch
S86/1	Left front door lock switch
S87/1	Right front door lock switch
S88/2	Trunk lid lock switch

1)
On sedan as of 06/92 in center console
On coupé as of production start-up in center console



P80-5085-55

P80-5085-55

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Preparation for Test:

1. Check fuse F2-5, F4-3 and fuse F4-11.
2. Battery voltage 11 – 14 V.
3. Vehicle unlocked.
4. All doors and trunk lid closed.

Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Locking vehicle via left front door	Turn key in left front door lock approx. 20° to the right.	All doors, trunk lid and filler flap lock in 3 sec.	Vehicle does not lock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 4.0. Vehicle does not lock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 1.0, 32 ⇒ 2.0.

¹⁾ Observe Preparation for Test, see 22.

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Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 2.0 Unlocking vehicle via left front door	Turn key in left front door lock approx. 20° to the left.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 4.0. Vehicle does not unlock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 2.0, 32 ⇒ 1.0.
⇒ 3.0 Locking vehicle via right front door	Turn key in right front door lock approx. 20° to the left.	All doors, trunk lid and filler flap lock in 3 sec.	Vehicle does not lock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 2.0. Vehicle does not lock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 1.0, 32 ⇒ 2.0.

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Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 4.0 Unlocking vehicle via right front door	Turn key in front door lock approx. 20° to the right.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 2.0. Vehicle does not unlock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 2.0, 32 ⇒ 1.0.
⇒ 5.0 Locking vehicle via trunk lid	Turn key in trunk lid lock approx. 20° to the right.	All doors, trunk lid and filler flap lock in 3 sec.	Vehicle does not lock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 3.0. Vehicle does not lock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 1.0, 32 ⇒ 2.0.

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Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 6.0 Unlocking vehicle via trunk lid	Turn key in trunk lid lock approx. 20° to the left.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 3.0. Vehicle does not unlock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 2.0, 32 ⇒ 1.0.
⇒ 7.0 Locking vehicle via interior central locking switch	All doors closed. Vehicle unlocked from outside. Press interior central locking switch in lock position.	All doors, trunk lid and filler flap lock in 3 sec.	Vehicle does not lock and pump motor in PSE control module (A37, A37/1) does not run. 23 PSE ⇒ 1.0, 23 ⇒ 1.0. Vehicle does not lock even though pump motor in PSE control module (A37, A37/1) runs. 32 PSE ⇒ 1.0, 32 ⇒ 2.0.

¹⁾ Observe Preparation for Test, see 22.

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Test step/Test sequence	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 8.0 Unlocking vehicle via interior central locking switch	Front doors closed. Vehicle unlocked from outside. Press interior central locking switch in unlock position.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37, A37/1) does not run . 23 PSE ⇒ 1.0, 23 ⇒ 1.0. Vehicle does not unlock even though pump motor in PSE control module (A37, A37/1) runs . 32 PSE ⇒ 2.0, 32 ⇒ 1.0.
⇒ 9.0 Unlocking vehicle by opening a front door from inside vehicle	Vehicle locked via the interior central locking switch. Open a front door.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37, A37/1) does not run . 23 PSE ⇒ 1.0, 23 ⇒ 5.0. Vehicle does not unlock even though pump motor in PSE control module (A37, A37/1) runs . 32 PSE ⇒ 2.0, 32 ⇒ 1.0.

¹⁾ Observe Preparation for Test, see 22.