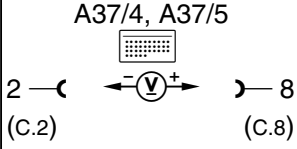
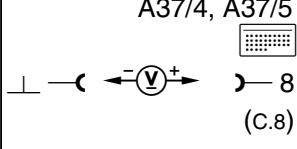


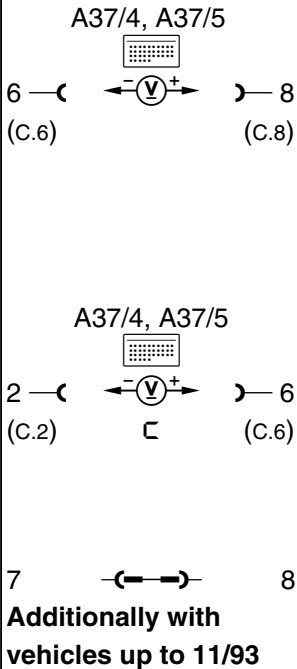
Electrical Test Program – Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	PSE control module (A37/4, A37/5) Voltage supply Circuit 30	A37/4, A37/5 		11 – 14 V	Wiring, Circuit 30, ⇒ 1.1
⇒ 1.1	Circuit 30	A37/4, A37/5 		11 – 14 V	Wiring, Circuit 30.

Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 2.0	Central locking interior control switch (S85)		Left and right front door closed, vehicle unlocked from outside. S85: Rest position Press to lock Press to unlock:	CL: locks. CL: unlocks.	Wiring, ⇒ 2.1, 32 ⇒ 2.0, 32 PSE ⇒ 1.0, PSE control module (A37/4, A37/5). Wiring, ⇒ 2.1, 32 ⇒ 1.0, 32 PSE ⇒ 2.0, A37/4, A37/5.

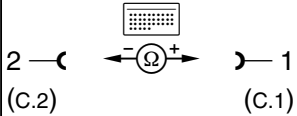
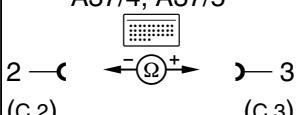
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 2.1	S85	A37/4, A37/5  6 — (C.6) 8 (C.8) 2 — (C.2) 6 (C.6) 7 — 8 Additionally with vehicles up to 11/93	Disconnect PSE control module (A37/4, A37/5) from . S85: Rest position Press and hold to Lock S85: Rest position Press and hold to unlock	<1 V 11 – 14 V <1 V 11 – 14 V	Wiring, S85.

Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.0	Right front door lock switch circuit (convenience, S87/1)		Vehicle locked. Turn key to right, Hold to unlock:	CL: unlocks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 1.0, 32 PSE ⇒ 2.0, PSE control module (A37/4, A37/5), Convenience control module (N57). Also if so equipped: ATA control module (N26).
			Turn key to left, Hold to lock.	CL: locks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 2.0, 32 PSE ⇒ 1.0, A37/4, A37/5, N57. Also if so equipped: N26.

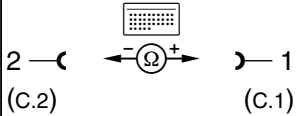
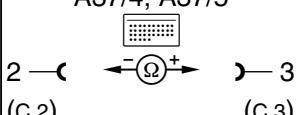
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.1	S87/1	A37/4, A37/5  2 — (C.2) 1 — (C.1)	Disconnect PSE control module (A37/4, A37/5) from . Disconnect (X35/1) at left front door plug. Disconnect (S88/2x1) at trunk lid switch connector. S87/1: Rest position. Hold to unlock	>20 kΩ <40 Ω	Wiring, S87/1.
⇒ 3.2	S87/1	A37/4, A37/5  2 — (C.2) 3 — (C.3)	S87/1: Rest position Hold to lock	>20 kΩ <60 Ω	Wiring, S87/1.

Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 4.0	Trunk lid switch circuit (convenience, S88/2)		Turn key to left, Hold to unlock	CL: unlocks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 1.0, 32 PSE ⇒ 2.0, PSE control module (A37/4, A37/5), Convenience control module (N57). Also if so equipped: ATA control module (N26).
			Turn key to right, Hold to lock	CL: locks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 2.0, 32 PSE ⇒ 1.0, A37/4, A37/5, N57. Also if so equipped: N26.

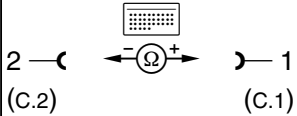
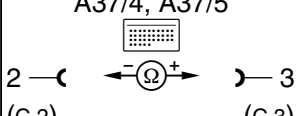
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 4.1	S88/2	A37/4, A37/5  2 — (C.2) 1 — (C.1)	Disconnect PSE control module (A37/4, A37/5) from  Disconnect (X35/1) left front and (X35/2) right front connectors. S88/2: Rest position Hold to unlock	>20 kΩ <40 Ω	Wiring, S88/2.
⇒ 4.2	S88/2	A37/4, A37/5  2 — (C.2) 3 — (C.3)	S88/2: Rest position Hold to lock	>20 kΩ <60 Ω	Wiring, S88/2.

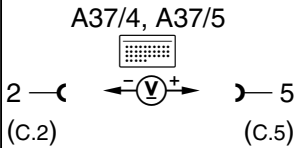
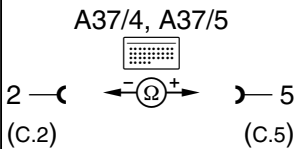
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	Left front door lock switch circuit (convenience, S86/1)		Turn key to left. Hold to unlock	CL: unlocks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 1.0, 32 PSE ⇒ 2.0, PSE control module (A37/4, A37/5), Convenience control module (N57). Also if so equipped: ATA control module (N26).
			Turn key to right. Hold to lock	CL: locks.	Wiring, ⇒ 3.1, 3.2, ⇒ 4.1, 4.2, ⇒ 5.1, 5.2, 32 ⇒ 2.0, 32 PSE ⇒ 1.0, A37/4, A37/5, N57. Also if so equipped: N26.

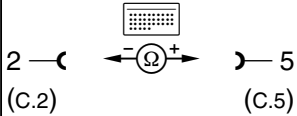
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.1	S86/1	A37/4, A37/5  2 — (C.2) 1 — (C.1)	Disconnect PSE control module (A37/4, A37/5) from . Disconnect (X35/2) at right front door plug. Disconnect trunk lid lock switch (S88/2). S86/1: Rest position Hold to unlock	>20 kΩ <40 Ω	Wiring, S86/1.
⇒ 5.2	S86/1	A37/4, A37/5  2 — (C.2) 3 — (C.3)	S86/1: Rest position Hold to lock	>20 kΩ <60 Ω	Wiring, S86/1.

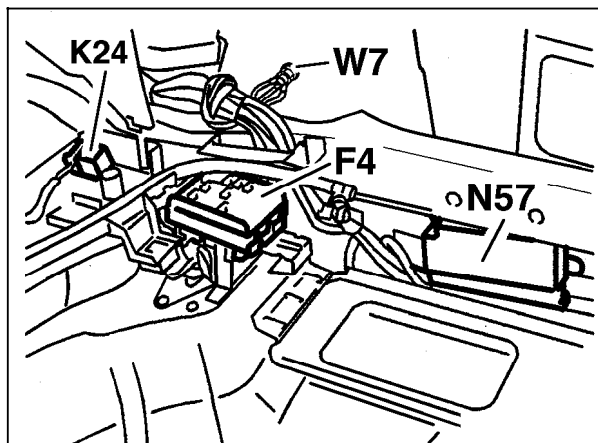
Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 6.0	Left front door switch circuit (S17/3) Right front door switch circuit (S17/4)	 A37/4, A37/5 2 — (C.2) 5 — (C.5)	Remove fuse F3-33. All doors closed. Alternately open and close front doors. Both front doors closed. One front door open.	 11 – 14 V <1 V	Wiring, ⇒ 6.1, ⇒ 6.2, PSE control module (A37/4, A37/5), Convenience control module (N57).
⇒ 6.1	S17/3	 A37/4, A37/5 2 — (C.2) 5 — (C.5)	Disconnect PSE control module (A37/4, A37/5) from  Disconnect right front door switch (S17/4). Open left front door. Close left front door.	 <40 Ω >20 kΩ	Wiring, S17/3.

Electrical Test Program - Test (Central Locking)

Test step	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 6.2	S17/4	A37/4, A37/5  2 — (C.2) 5 — (C.5)	Disconnect PSE control module (A37/4, A37/5) from . Disconnect left front door switch (S17/3). Open right front door. Close right front door.	<40 Ω >20 kΩ	Wiring, S17/4.

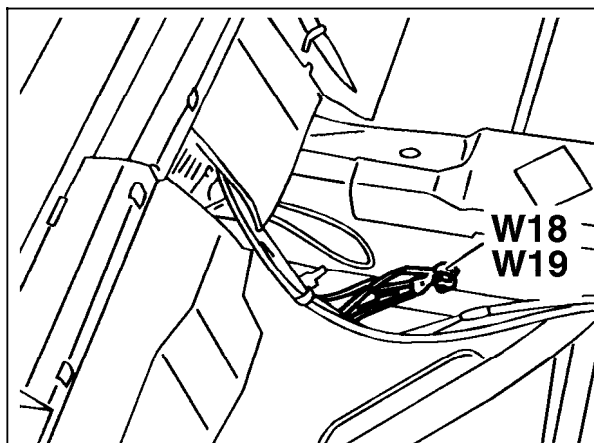
Electrical Test Program - Test (Central Locking)



P82-5949-13

Figure 1

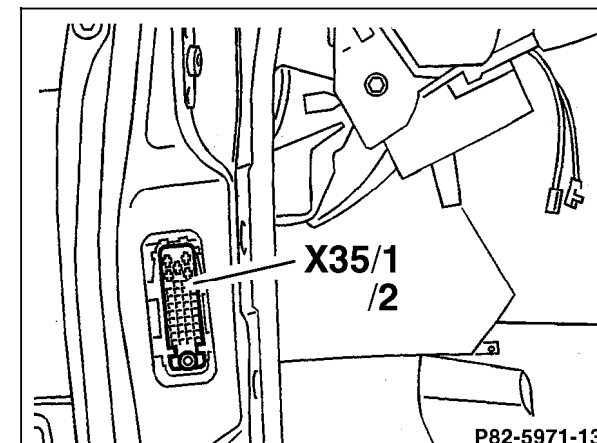
W7 Ground (right wheelhousing in trunk)



P91-5552-13

Figure 2

W18 Ground (left front seat crossmember)
W19 Ground (right front seat crossmember)
(mirror image of left shown)



P82-5971-13
P82-5971-13

Figure 3

X35/1 Left front door separation point
X35/2 Right front door separation point
(mirror image of left shown)