

Diagnosis – Function Test

Preliminary work: Check operation of central locking;
Check batteries in infrared transmitter key,
see SMS, Job No. 80-420

Models 202, 208, 210
(Model 210 shown)

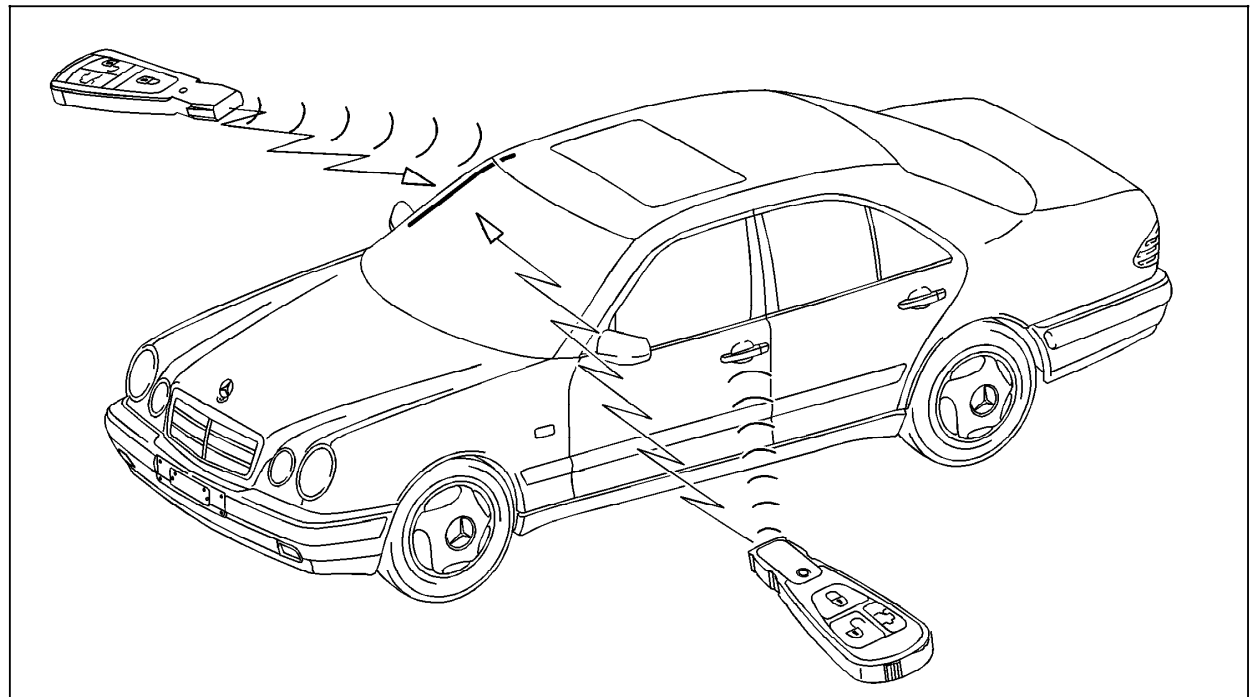


Figure 1

P80.35-0217-05

Diagnosis – Function Test

Preparation for Test:

1. Battery voltage 11 – 14 V,
2. Fuses ok,
3. Voltage supply to control modules and CAN data lines ok,
4. Central locking system in proper operating condition,
5. Batteries in transmitter key ok,
6. Transmitter key removed from electronic ignition switch,
7. Side windows lowered approx. 100 mm (4 in.),
8. Sliding/pop-up roof open,
9. All doors and trunk lid closed.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Locking of vehicle with transmitter key (radio signal) via radio antenna.	Lock vehicle using transmitter key (radio signal). Do not point transmitter key towards any of the IR receivers.	Vehicle is locked. Blinker system blinks 3X.	23 ⇒ 1.0, 23 ⇒ 2.0
⇒ 2.0 Unlocking of vehicle with transmitter key (radio signal) via radio antenna.	Unlock vehicle using transmitter key (radio signal). Do not point transmitter key towards any of the IR receivers.	Vehicle is unlocked. Blinker system blinks 1X.	23 ⇒ 1.0, 23 ⇒ 2.0
⇒ 3.0 Locking of vehicle via left front door IR receiver (A26/1)	Open side windows and sliding/pop-up sunroof. Disconnect connector A on roof control panel control module (N70). Point transmitter key towards left front door IR receiver. Lock vehicle by pressing lock button on transmitter key for > 1 second and hold.	Vehicle is locked. Blinker system blinks 3X. Side windows and sliding/pop-up roof close.	23 ⇒ 12.0, 23 ⇒ 13.0
⇒ 4.0 Unlocking of vehicle via left front door IR receiver (A26/1)	Close side windows and sliding/pop-up sunroof. Disconnect connector A on roof control panel control module (N70). Point transmitter key towards left front door IR receiver. Unlock vehicle by pressing unlock button on transmitter key for > 1 second and hold.	Vehicle is unlocked. Blinker system blinks 1X. Side windows and sliding/pop-up roof open.	23 ⇒ 12.0, 23 ⇒ 13.0

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 5.0 Locking of vehicle via right front door IR receiver (A26/2)	Open side windows and sliding/pop-up sunroof. Disconnect connector A on roof control panel control module (N70). Point transmitter key towards right front door IR receiver (A26/2). Lock vehicle by pressing lock button on transmitter key for > 1 second and hold.	Vehicle is locked. Blinker system blinks 3X. Side windows and sliding/pop-up roof close.	23 ⇒ 12.0, 23 ⇒ 13.0
⇒ 6.0 Unlocking of vehicle via right front door IR receiver (A26/2)	Close side windows and sliding/pop-up sunroof. Disconnect connector A on roof control panel control module (N70). Point transmitter key towards right front door IR receiver (A26/2). Unlock vehicle by pressing unlock button on transmitter key for > 1 second and hold.	Vehicle is unlocked. Blinker system blinks 1X. Side windows and sliding/pop-up roof open.	23 ⇒ 12.0, 23 ⇒ 13.0
⇒ 7.0 Locking of vehicle with a mechanical lock cylinder. (USA) (J) only	Lock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is locked.	23 ⇒ 3.0, 23 ⇒ 4.0
⇒ 8.0 Unlocking of vehicle with a mechanical lock cylinder. (USA) (J) only	Unlock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is unlocked.	23 ⇒ 3.0, 23 ⇒ 4.0

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 9.0 Release of electrical steering lock.	Insert transmitter key into electronic ignition switch.	Electrical steering lock unlocks. Transmitter key can be turned towards the right.	12 23 ⇒ 14.0, 23 ⇒ 15.0
⇒ 10.0 Activate engine management.	Insert transmitter key and turn key to right to stop in steering column lock.	Engine starts.	12 23 ⇒ 5.0, 23 ⇒ 6.0, 23 ⇒ 7.0, 23 ⇒ 8.0, 23 ⇒ 9.0, 23 ⇒ 10.0, 23 ⇒ 11.0, 23 ⇒ 16.0, DTC memory, engine, Actual values, engine, drive authorization.
⇒ 11.0 Open trunk lid with transmitter key (vehicles with RTR only)	Trunk lid lock key slot is not in 90° (key can be removed) position Press unlock trunk lid button on transmitter key.	Trunk lid opens.	23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 12.0, 23 ⇒ 13.0, PSE electrical/pneumatic fault, Trunk lid lock mechanical fault.

1) Observe Preparation for Test, see 22.