

Diagnosis – Function Test

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

Models 129, 140  
(model 140 shown)

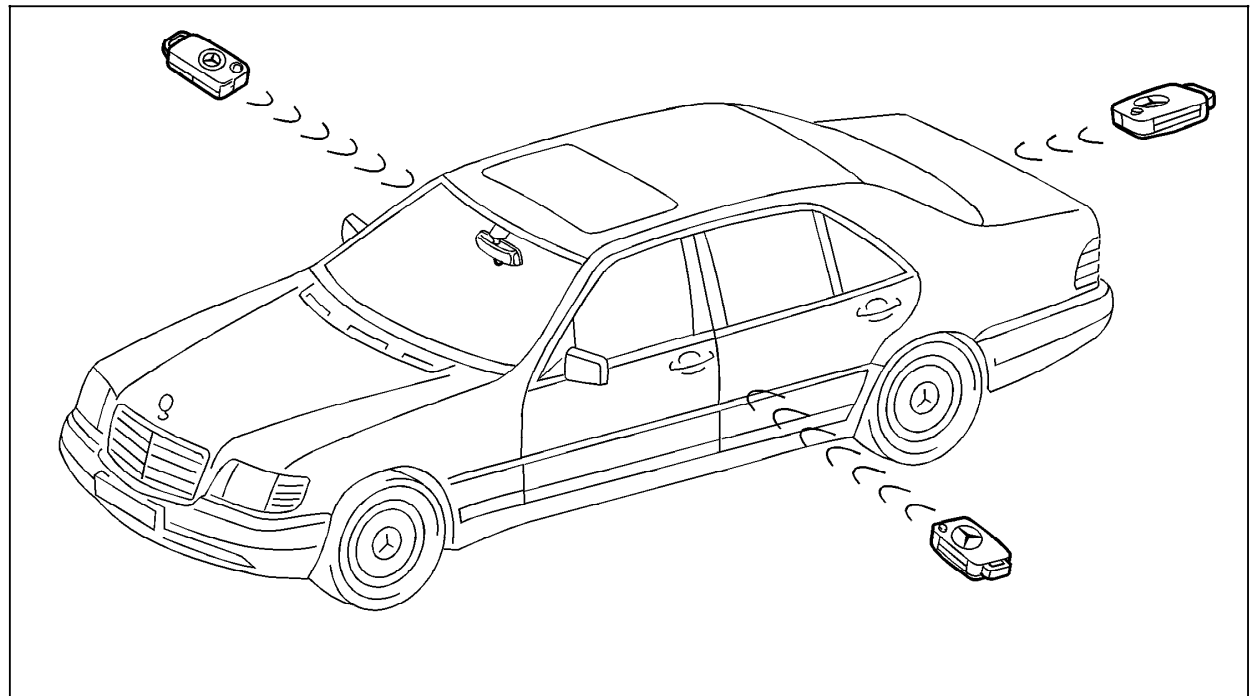


Figure 1

P80.30-0345-05

Diagnosis – Function Test

Models 202, 210  
(model 210 shown)

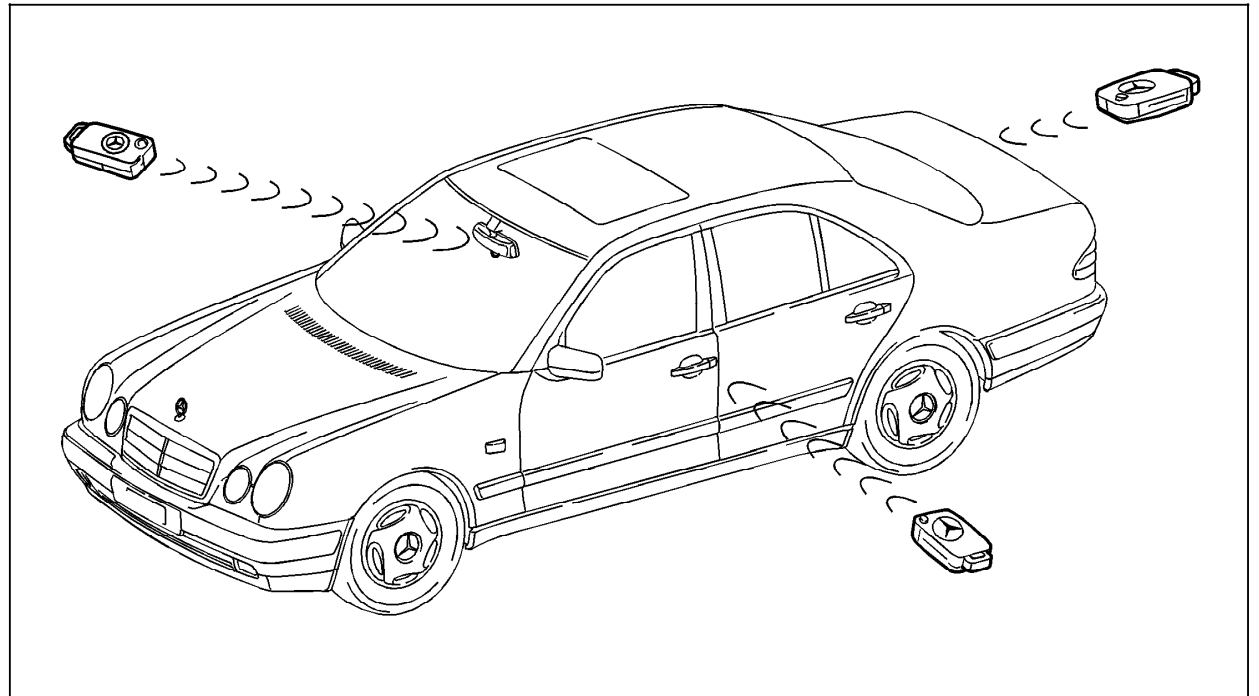


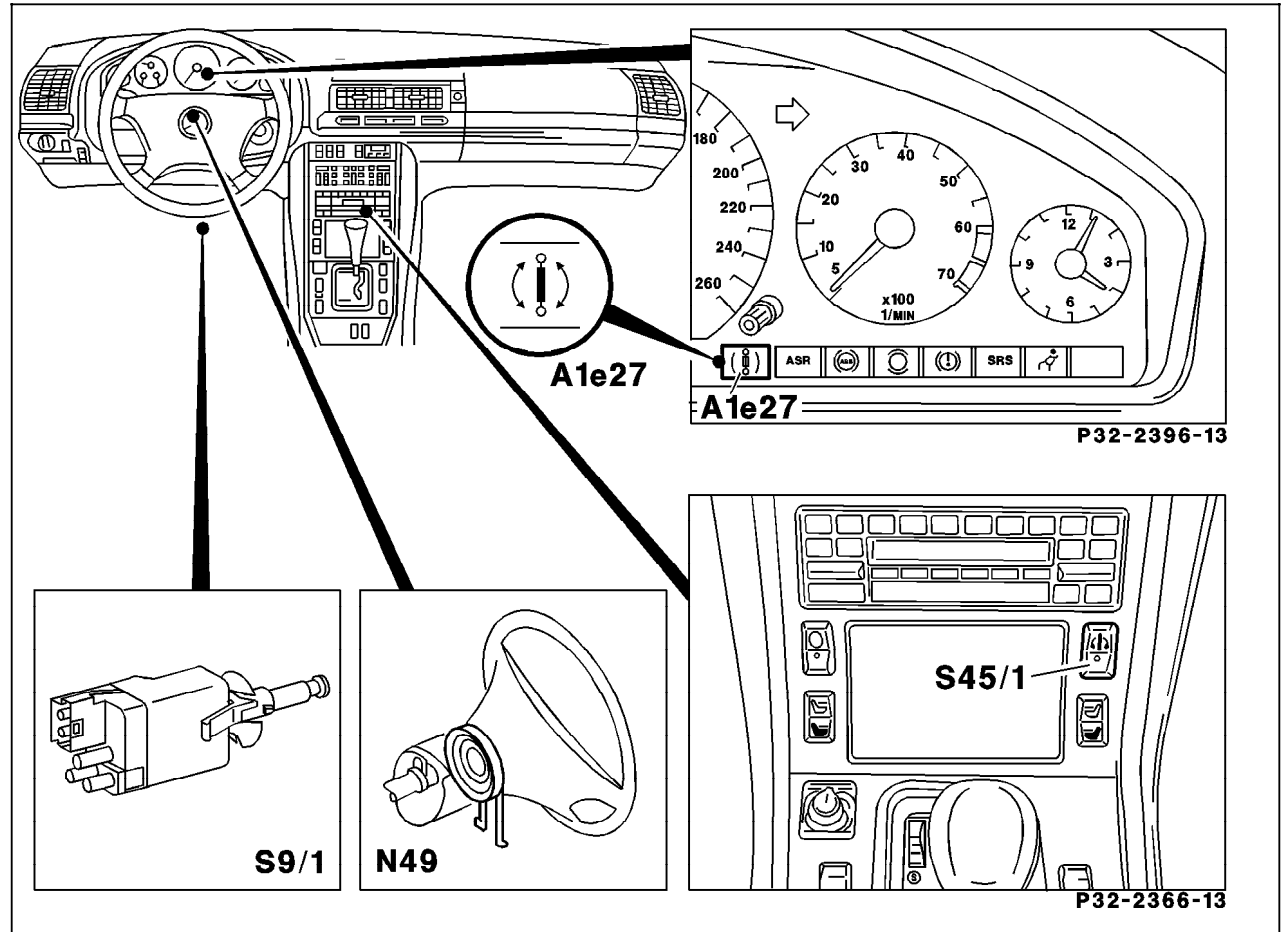
Figure 2

P80.30-0344-05

Diagnosis – Function Test

Preparation for Test:

1. Battery voltage 11 – 14 V,
2. Fuses ok,
3. Central locking system in proper operating condition,
4. Batteries in IR transmitter ok,
5. IR transmitter synchronized,
6. Key removed from steering lock,
7. Side windows lowered approx. 100 mm (4 in.),
8. Sliding/pop-up roof open,
9. All doors and trunk lid closed,
10. Central locking system unlocked.



P32-5801-57

### Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 1.0 Locking of vehicle with infrared remote control via left front door IR receiver (A26/1).	Lock vehicle using IR transmitter via left front door IR receiver.	Vehicle is locked. Red indicator lamps in left front driver door IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 5.0, 20.0, 22.0, 29.0 – 35.0, 38.0, 39.0
⇒ 2.0 Unlocking of vehicle with infrared remote control via left front door IR receiver (A26/1).	Unlock vehicle using IR transmitter via left front door IR receiver.	Vehicle is unlocked. Green indicator lamps in left front driver door IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 4.0, 6.0, 19.0, 21.0, 26.0 – 28.0, 33.0 – 37.0, 39.0
⇒ 3.0 Locking of vehicle via right front door IR receiver (A26/2) (models 129, 140 only).	Lock vehicle using IR transmitter via right front door IR receiver.	Vehicle is locked. Red indicator lamps in right front door IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 11.0– 13.0, 20.0, 22.0, 27.0, 29.0, 30.0, 32.0 – 34.0, 38.0
⇒ 4.0 Unlocking of vehicle via right front door IR receiver (A26/2) (models 129, 140 only).	Unlock vehicle using IR transmitter via right front door IR receiver.	Vehicle is unlocked. Green indicator lamps in right front door IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 11.0, 12.0, 14.0, 19.0, 21.0, 26.0, 27.0, 33.0, 34.0, 36.0, 37.0
⇒ 5.0 Locking of vehicle via trunk lid IR receiver (A26/3).	Lock vehicle using IR transmitter via trunk lid IR receiver.	Vehicle is locked. Red indicator lamps in trunk lid IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 7.0 – 9.0, 20.0, 22.0, 29.0 – 35.0, 38.0, 39.0

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

### Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 6.0 Unlocking of vehicle via trunk lid IR receiver (A26/3).	Unlock vehicle using IR transmitter via trunk lid IR receiver.	Vehicle is unlocked. Green indicator lamps in trunk lid IR receiver blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 7.0, 8.0, 10.0, 19.0, 21.0, 26.0 – 28.0, 33.0 – 37.0, 39.0
⇒ 7.0 Locking of vehicle via RCL receiver (interior rear view mirror) (A26/7) (models 202, 210 only).	Lock vehicle using IR transmitter via RCL receiver (interior rear view mirror).	Vehicle is locked. Red indicator lamps in RCL receiver (interior rear view mirror) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 15.0 – 17.0, 20.0, 22.0, 30.0 – 32.0, 35.0, 38.0, 39.0
⇒ 8.0 Unlocking of vehicle via RCL receiver (interior rear view mirror) (A26/7) (models 202, 210 only).	Unlock vehicle using IR transmitter via RCL receiver (interior rear view mirror).	Vehicle is unlocked. Green indicator lamps in RCL receiver (interior rear view mirror) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0, 2.0, 15.0, 16.0, 18.0, 19.0, 21.0, 27.0, 28.0, 35.0 – 37.0, 39.0
⇒ 9.0 Locking of vehicle with a mechanical lock cylinder.	Lock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is locked.	23 ⇒ 2.0, 23.0 – 25.0, 29.0 – 35.0, 38.0, 39.0
⇒ 10.0 Unlocking of vehicle with a mechanical lock cylinder.	Unlock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is unlocked.	23 ⇒ 2.0, 23.0 – 28.0, 33.0 – 37.0, 39.0

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

### Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 11.0 Close side windows and sliding/pop-up roof with infrared remote control.	Point IR transmitter towards one of the IR receivers and press IR transmitter button for > 1 second and hold pressed.	Side windows and sliding/pop-up roof close.	23 ⇒ 1.0 – 5.0, 7.0 – 9.0, 11.0 – 13.0, 15.0 – 17.0, 20.0, 22.0, 29.0 – 35.0, 38.0, 39.0
⇒ 12.0 Open side windows with infrared remote control.	After side windows close, within 8 seconds (models 140, 202), or 3 seconds (model 129) or 5 seconds (model 210), point IR transmitter towards one of the IR receivers, and press IR transmitter button for > 1 second and hold pressed.	Side windows open.	23 ⇒ 1.0 – 4.0, 6.0, 7.0, 8.0, 10.0, 15.0, 16.0, 18.0, 19.0, 21.0, 26.0 – 28.0, 33.0 – 37.0, 39.0
⇒ 13.0 Activate engine management.	Turn ignition key <b>right</b> to stop in steering column lock.	Engine starts.	12, 23 ⇒ 2.0, 39.0 – 48.0, DTC memory, engine, Actual values, engine, drive authorization.
⇒ 14.0 Open trunk lid with infrared remote control. <b>(vehicles with RTR only)</b>	Trunk lid lock key slot is <b>not</b> in 90° (key can be removed) position. Lock vehicle using IR transmitter. Point IR transmitter towards one of the IR receivers and press IR transmitter button <b>twice</b> within 0.8 seconds.	Trunk lid opens. Trunk lid handle extends <sup>2)</sup> .	23 ⇒ 1.0, 2.0, 7.0, 8.0, 10.0, 22.0, 22.0, 27.0, 28.0, 35.0 – 37.0, 39.0, PSE electrical/pneumatic fault, Trunk lid lock mechanical fault.

1) Observe Preparation for Test, see 22.

2) Model 140