

Diagnosis – Function Test

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

Model 210

As of M.Y. 1996, single RCL receiver (interior rearview mirror) (A26/7) (incl. MY 1997 E420 as of 01/96 and up to 06/96 production).

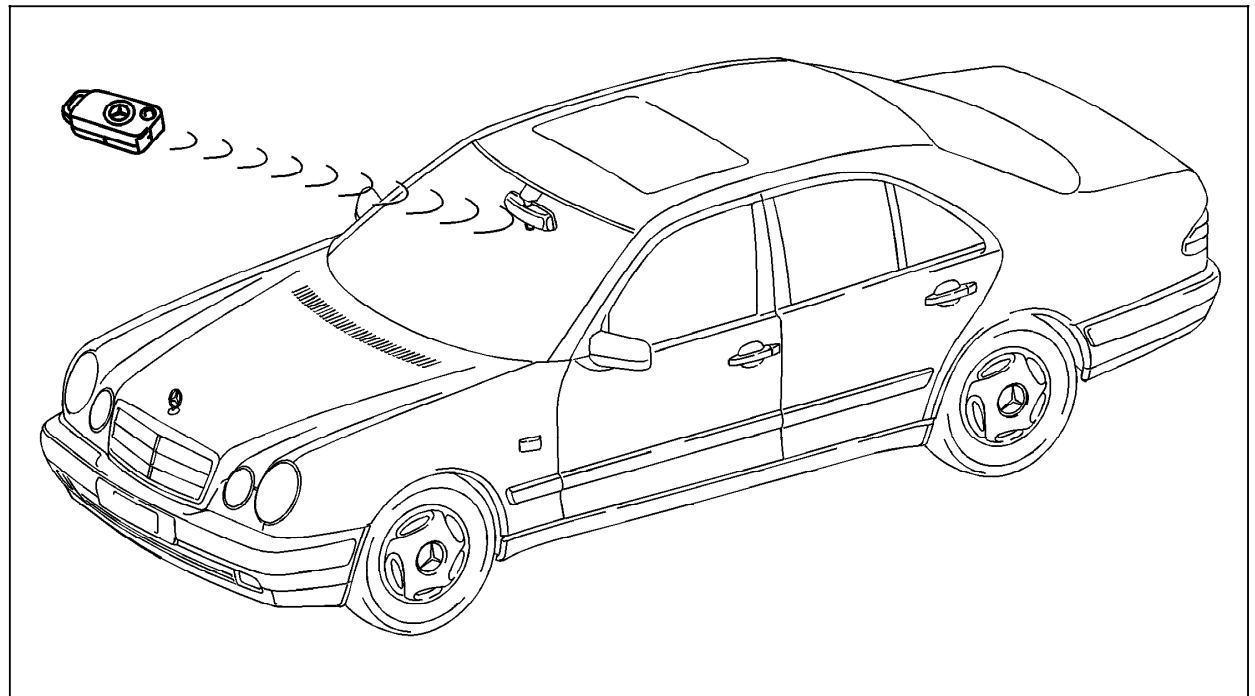


Figure 1

P80.30-0292-05

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.
11. Activation of the turn signal system has **not** been **deactivated** via the HHT.



The locking and unlocking function (RCL) of the vehicle is indicated via the turn signal system.

Flash rate:           Lock       3x  
                           Unlock     1x

Flash frequency:    1.5 Hz

The activation of the turn signal system can be cancelled (as per customer consent) via the HHT menu version coding.

Significance of the indicator lamps

Green	Red	Green and red alternating	Green and red simultaneously	Blink time	Significance	Possible cause/Remedy
X				Approx. 3 seconds	Approved deactivation, vehicle is unlocked.	
	X			Approx. 3 seconds	Approved activation, vehicle is locked.	
		X		Approx. 30 seconds	Engine management disabled.	⇒ 7.0
			X	Approx. 30 seconds	IR transmitter batteries-low voltage	Replace IR transmitter batteries

### 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 RCL receiver (interior rearview mirror) (A26/7).	Lock vehicle using IR transmitter.	Vehicle is locked. Turn signals blink 3x Red indicator lamps (RCL receiver, interior rearview mirror ) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 5.0, 7.0, 9.0, 10.0, 15.0, 16.0, 19.0 – 22.0
⇒ 2.0 Unlocking of vehicle with infrared remote control via RCL receiver (interior rearview mirror) (A26/7).	Unlock vehicle using IR transmitter.	Vehicle is unlocked. Turn signals blink 1x Green indicator lamps (RCL receiver, interior rearview mirror) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 4.0, 6.0, 8.0 – 10.0, 13.0, 14.0, 17.0, 18.0, 21.0, 22.0
⇒ 3.0 Locking of vehicle with a mechanical lock cylinder.	Lock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is locked.	23 ⇒ 1.0 – 2.0, 11.0, 12.0, 15.0, 16.0, 19.0 – 22.0
⇒ 4.0 Unlocking of vehicle with a mechanical lock cylinder.	Unlock vehicle using mechanical key via mechanical lock cylinder.	Vehicle is unlocked.	23 ⇒ 1.0, 2.0, 11.0 – 14.0, 17.0, 18.0, 21.0, 22.0
⇒ 5.0 Close side windows and sliding/pop-up roof with infrared remote control.	Point IR transmitter towards RCL receiver (interior rearview mirror) (A26/7) and press IR transmitter button for > 1 second.	Side windows and sliding/pop-up roof close.	23 ⇒ 1.0 – 5.0, 7.0, 9.0, 10.0, 15.0, 16.0, 19.0 – 22.0

<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 Open side windows with infrared remote control.	After side windows close, within 5 seconds, point IR transmitter towards RCL receiver (interior rearview mirror) (A26/7). And then press transmitter button.	Side windows open.	23 ⇒ 1.0 – 4.0, 6.0, 8.0 – 10.0, 13.0, 14.0, 17.0, 18.0, 21.0, 22.0
⇒ 7.0 Activate engine management.	Turn ignition key <b>right</b> to stop in steering column lock .	Engine starts.	12, 23⇒ 1.0 – 2.0, 23.0 –31.0 DTC memory, engine, Actual values, engine.
⇒ 8.0 Open trunk lid with infrared remote control.	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 RCL receiver (interior rearview mirror) (A26/7) and press IR transmitter button <b>twice</b> within 0.8 seconds.	Trunk lid opens.	23 ⇒ 1.0 – 4.0, 6.0, 8.0 – 10.0, 13.0, 14.0, 17.0, 18.0, 21.0, 22.0 PSE electrical/pneumatic fault, Trunk lid lock mechanical fault.

1) Observe Preparation for Test, see 22.