

Diagnosis – Function Test

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

Model 202

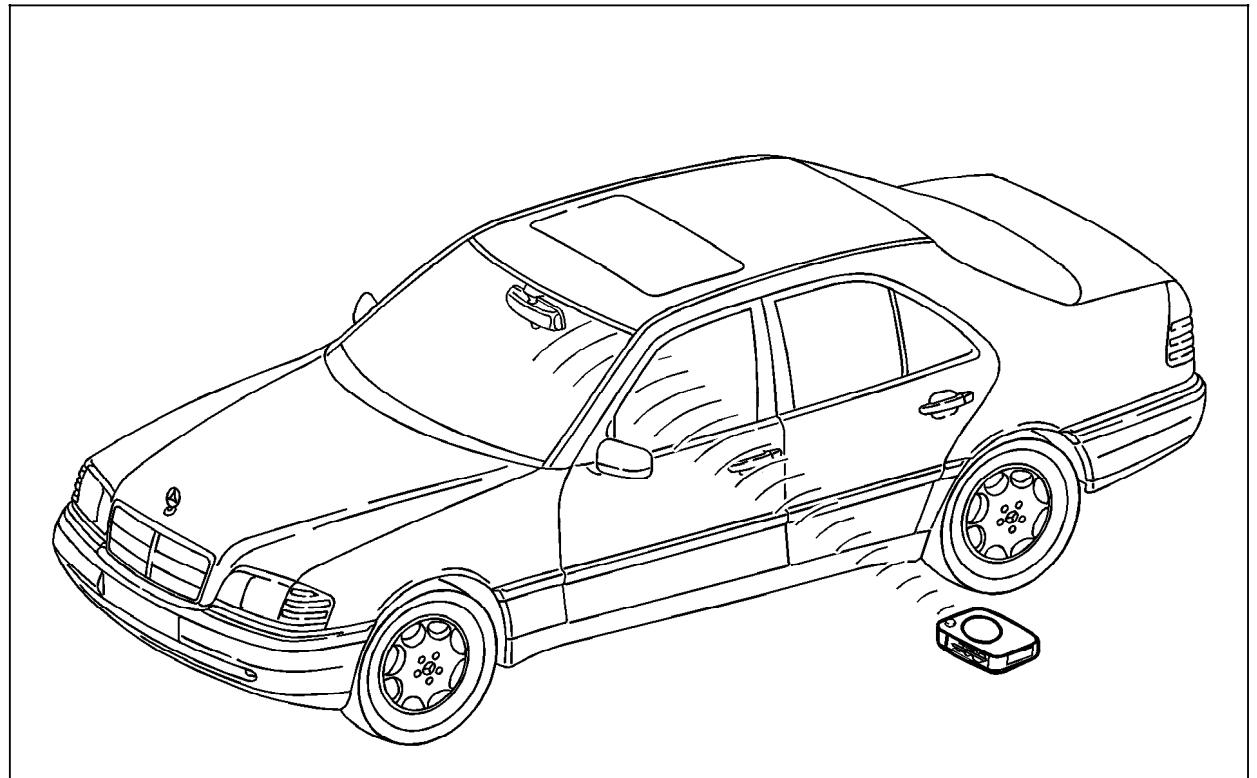
As of M.Y. 1996, single RCL receiver (interior rearview mirror) (A26/7)

Note:

On RCL control modules with the part numbers 210 820 27 26 and 210 820 28 26, the following functional changes are noted:

- For a time period of approximately 2 seconds after the ignition is switched OFF, use of the RCL system is not possible.
- If unintentionally locked and if the ignition is switched on within 2 seconds, the vehicle will automatically unlock along with authorization given via ECM for engine start.

Figure 1



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4.5 Infrared Remote Central Locking (RCL)

Models 129, 140, 202 as of M.Y. 1996, 210 up to 06/96

Diagnosis – Function Test

Preparation for Test:

1. Battery voltage 11 – 14 V,
2. **Model 129:** Fuse F1–15, F20–6 ok,
3. **Model 140:** Fuse F4–2, F4–15 ok,
4. **Model 202:** Fuse F1–23, F3–27 ok,
5. **Model 210:** fuse F1–14, F1–17, F1–22, F4–3 ok,
6. Central locking system in proper operating condition,
7. Batteries in IR transmitter ok,
8. IR transmitter synchronized,
9. Key removed from steering lock,
10. Side windows lowered approx. 100 mm (4 in.),
11. Sliding/pop-up roof open,
12. All doors and trunk lid closed,
13. Central locking system unlocked.

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.	⇒ 6.0
			X	Approx. 30 seconds	IR transmitter batteries-low voltage	Replace IR transmitter batteries

4.5 Infrared Remote Central Locking (RCL)

Models 129, 140, 202 as of M.Y. 1996, 210 up to 06/96

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 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. Red indicator lamps (RCL receiver, interior rearview mirror and left front door) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 5.0, 9.0 – 11.0, 15.0 – 20.0
⇒ 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. Green indicator lamps (RCL receiver, interior rearview mirror and left front door) blink for a maximum of approx. 3 seconds.	23 ⇒ 1.0 – 4.0, 6.0 – 8.0, 12.0 – 14.0, 17.0 – 20.0
⇒ 3.0 Close side windows and sliding/pop-up roof with infrared remote control.	Point IR transmitter towards RCL receiver (interior rearview mirror) and press IR transmitter button for > 1 second.	Side windows and sliding/pop-up roof close.	23 ⇒ 1.0 – 5.0, 9.0 – 11.0, 15.0 – 20.0
⇒ 4.0 Open side windows with infrared remote control.	After side windows close, within 8 seconds (models 140, 202), 3 seconds (model 129), and 5 seconds (model 210), point IR transmitter towards RCL receiver (interior rearview mirror). And then press transmitter button for > 4 seconds.	Side windows open.	23 ⇒ 1.0 – 4.0, 6.0 – 8.0, 12.0 – 14.0, 17.0 – 20.0
⇒ 5.0 Disable engine management.	Lock vehicle using IR transmitter. Try to start engine.	Engine does not start.	12, 23 ⇒ 1.0 – 33.0, DTC memory, engine.

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 6.0 Enable engine management.	Unlock vehicle using IR transmitter. Try to start engine.	Engine starts.	12, 23 ⇒ 1.0 – 33.0, DTC memory (HFM-SFI, ME-SFI), Actual values (HFM-SFI, ME-SFI).
⇒ 7.0 Open trunk lid with infrared remote control.	Trunk lid lock key slot is not in 90° (key can be removed) position. Lock vehicle using IR transmitter. Point IR transmitter towards RCL receiver (interior rearview mirror) and press IR transmitter button twice within 0.8 seconds.	Trunk lid opens. Retractable trunk lid grip extends ²⁾	23 ⇒ 1.0 – 4.0, 6.0 – 8.0, 12.0 – 14.0, 17.0 – 20.0 PSE electrical/pneumatic fault, Trunk lid lock mechanical fault.

1) Observe Preparation for Test, see 22.

2) Model 140 only