

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)

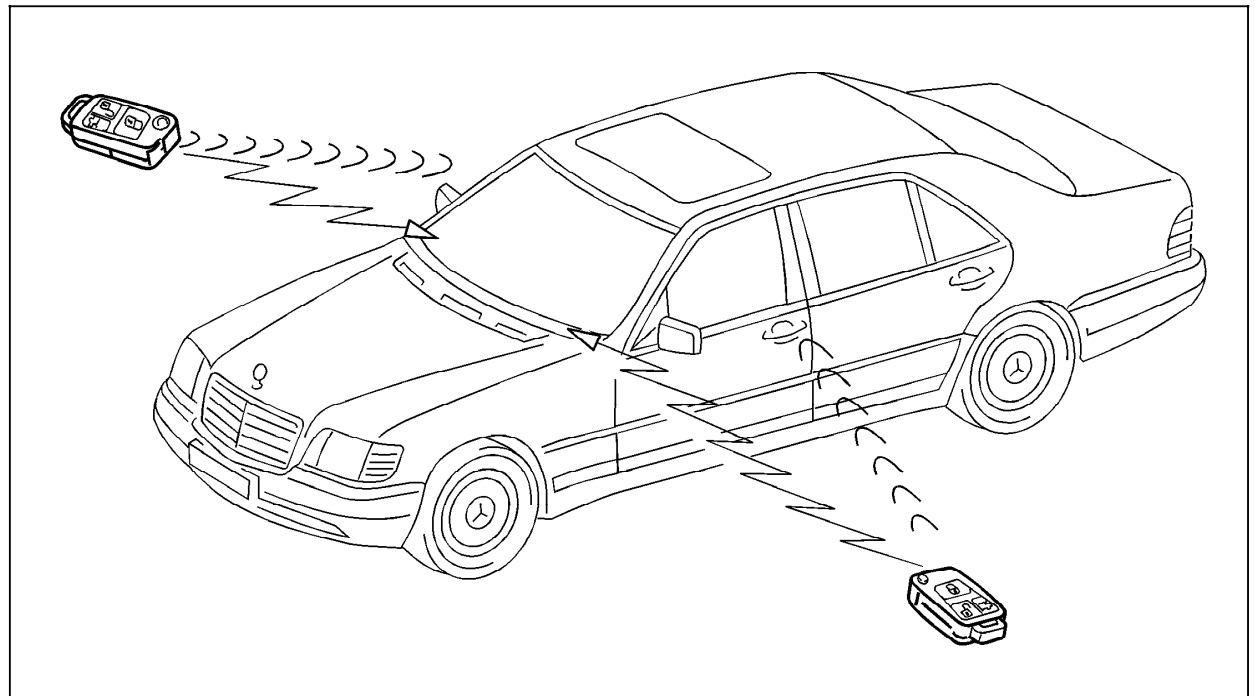
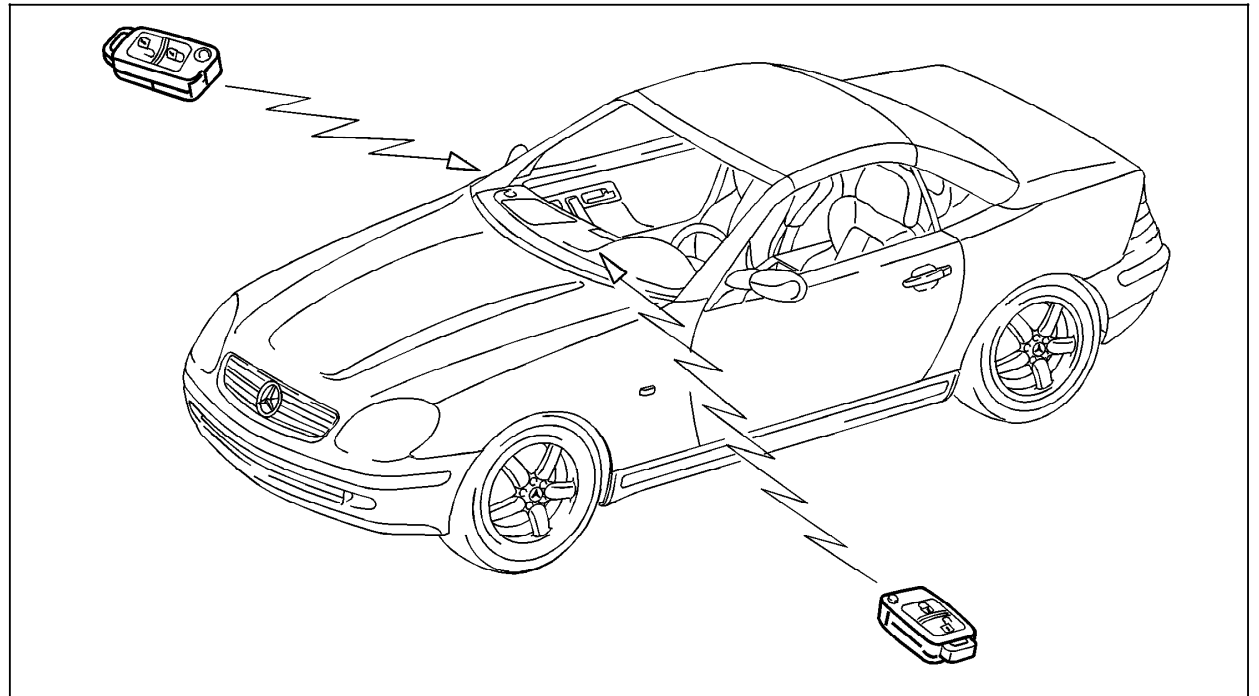


Figure 1

P80.35-0206-05

Diagnosis – Function Test

Model 170



P80.35-0205-05

Figure 2

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 transmitter key ok,
5. Transmitter signals are synchronized,
6. Transmitter key removed from electronic ignition switch,
7. Side windows lowered approx. 100 mm (4 in.),
8. All doors and trunk lid closed,
9. Central locking system is unlocked,
10. Activation of the blinker system has not been cancelled via the HHT.



The locking and unlocking function is indicated via the turn signal system.

Blinker mode:	Locking:	3x
	Unlocking:	1x

Blinkfrequency: 1.5hz

Activation of the blinker system as noted above can be cancelled via the HHT via the version coding menu, upon customer request.

Activation of the hazard flasher system will cancel the verification signal sent via the turn signal system.

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.	Do not point transmitter key towards any of the IR receivers. Lock vehicle using transmitter key (radio signal).	Vehicle is locked. Blinker system blinks 3X.	13, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 3.0, 23 ⇒ 4.0, 23 ⇒ 5.0, 23 ⇒ 10.0, 23 ⇒ 16.0, 23 ⇒ 20.0, 23 ⇒ 21.0, Version coding incorrect.
⇒ 2.0 Unlocking of vehicle with transmitter key (radio signal) via radio antenna.	Do not point transmitter key towards any of the IR receivers. Unlock vehicle using transmitter key (radio signal).	Vehicle is unlocked. Blinker system blinks 1X.	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 3.0, 23 ⇒ 4.0, 23 ⇒ 5.0, 23 ⇒ 11.0, 23 ⇒ 17.0, 23 ⇒ 18.0, 23 ⇒ 19.0, Version coding incorrect.

¹⁾ Observe Preparation for Test, see 22.

4.10 Infrared Remote Central Locking (RCL)

Models 129, 140, 170 as of M.Y. 1998

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 3.0 Locking of vehicle via left front door IR receiver (A26/1) Model 129/140 only	Open side windows. Point transmitter key towards left front door IR receiver (A26/1). Lock vehicle by pressing lock button on transmitter key for > 1 second and hold.	Vehicle is locked. Blinker system blinks 3X. Side windows close.	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 6.0, 23 ⇒ 7.0, 23 ⇒ 10.0, 23 ⇒ 16.0, 23 ⇒ 20.0, 23 ⇒ 21.0, Version coding incorrect.
⇒ 4.0 Unlocking of vehicle via left front door IR receiver (A26/1) Model 129/140 only	Close side windows. Point transmitter key towards left front door IR receiver (A26/1). Unlock vehicle by pressing unlock button on transmitter key for > 1 second and hold.	Vehicle is unlocked. Blinker system blinks 1X. Side windows open (model 129 only).	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 6.0, 23 ⇒ 7.0, 23 ⇒ 11.0, 23 ⇒ 17.0, 23 ⇒ 18.0, 23 ⇒ 19.0, Version coding incorrect.

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) Model 129/140 only	Open side windows. 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 close.	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 8.0, 23 ⇒ 9.0, 23 ⇒ 10.0, 23 ⇒ 16.0, 23 ⇒ 20.0, 23 ⇒ 21.0, Version coding incorrect.
⇒ 6.0 Unlocking of vehicle via right front door IR receiver (A26/2) Model 129/140 only	Close side windows. 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 open (model 129 only).	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 8.0, 23 ⇒ 9.0, 23 ⇒ 11.0, 23 ⇒ 17.0, 23 ⇒ 18.0, 23 ⇒ 19.0, Version coding incorrect.

1) Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 7.0 Locking of vehicle with a mechanical lock cylinder. (USA) (J) only	Lock vehicle using mechanical key via a mechanical lock cylinder.	Vehicle is locked.	13, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 14.0, 23 ⇒ 16.0, 23 ⇒ 20.0, 23 ⇒ 21.0, Version coding incorrect.
⇒ 8.0 Unlocking of vehicle with a mechanical lock cylinder. (USA) (J) only	Unlock vehicle using mechanical key via a mechanical lock cylinder.	Vehicle is unlocked.	13, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 6.0, 23 ⇒ 15.0, 23 ⇒ 17.0, 23 ⇒ 18.0, 23 ⇒ 19.0, Version coding incorrect.

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 9.0 Open trunk lid with transmitter key Model 129/140	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. Retractable trunk lid grip (RTG) extends (model 140 only).	13, 14, 23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 3.0, 23 ⇒ 4.0, 23 ⇒ 5.0, 23 ⇒ 8.0, 23 ⇒ 17.0, 23 ⇒ 18.0, 23 ⇒ 19.0, Version coding incorrect, Electrical/pneumatic fault in PSE, RTG has mechanical fault.
⇒ 10.0 Activate engine management.	Insert transmitter key and turn key to right to stop in steering column lock.	Engine starts.	23 ⇒ 1.0, 23 ⇒ 2.0, 23 ⇒ 22.0, 23 ⇒ 23.0, 23 ⇒ 24.0, 23 ⇒ 25.0, 23 ⇒ 26.0, 23 ⇒ 27.0, 23 ⇒ 28.0, 23 ⇒ 29.0, 23 ⇒ 30.0, DTC memory, engine, Actual values, engine.

1) Observe Preparation for Test, see 22.