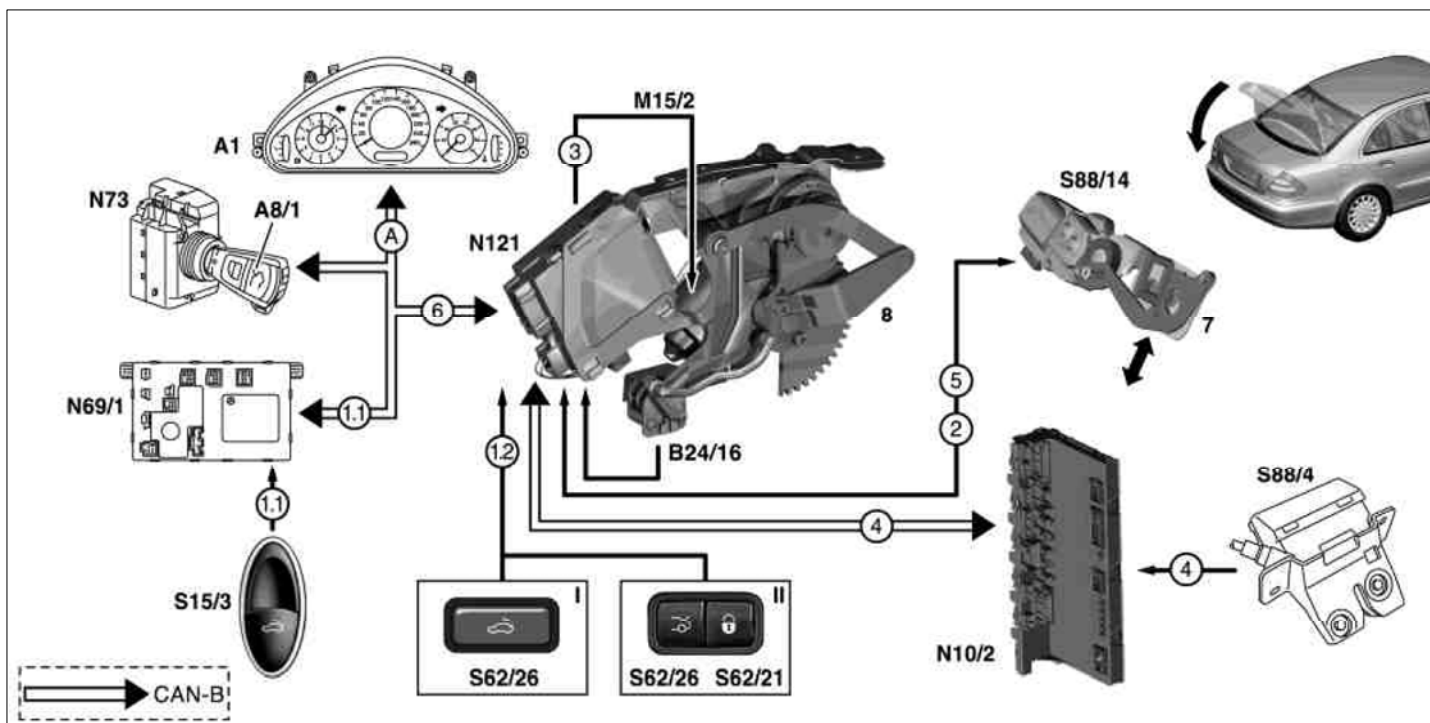


MODEL 211.0 with CODE (881b) Remote trunk locking (RTL)



P80.20-2458-09

1.1	"Locking" request via driver-side trunk lid open/close switch (S15/3)	7	Trunk lid power locking unit	S15/3	Drive-side trunk lid open/close switch
1.2	"Locking" request via RTL button (S62/26) or trunk lid keyless go button (S62/21)	8	Trunk lid drive unit	S62/21	Trunk lid keyless go button
2	Actuation of power locking "Upper end position"	A1	Instrument cluster	S62/26	Remote trunk closing button
3	Actuation of trunk lid drive motor (M15/2)	A8/1	Remote control key	S88/4	Lock pawl rotary tumbler switch
4	Status of lock pawl	B24/16	Trunk lid/tailgate opening angle detection sensor	S88/14	Power locking switch
5	Actuation of trunk lid power locking unit "Bottom end position"	M15/2	-Trunk lid drive motor	A	Speed signal
6	CL signal lock (only with code (889) Keyless go)	N10/2	Rear SAM control module with fuse and relay module	CAN-B	Passenger compartment CAN bus
		N69/1	Left front door control module	I	Vehicles without code (889) Keyless go
		N73	DI control module	II	Vehicles with code (889) Keyless go
		N121	RTL control module		

Close trunk lid, function

i Remote closing with the remote control key (A8/1) is **not** possible due to safety reasons.

Function requirements

- Vehicle at rest
- System synchronized

Possible control points

- Driver-side trunk lid opening/close switch (S15/3)
- RTL button (S62/26)
- Trunk lid keyless go button (S62/21) (only with code (889) Keyless go)

Operating procedure

1.1 Actuate driver-side trunk lid open/close switch (S15/3) and hold down.

i The signal is read in by the left front door control module (N69/1) and transmitted to the RTL control module (N121) via passenger compartment CAN bus.

1.2 Momentarily actuate the RTL button (S62/26) or trunk lid keyless go button (S62/21).

i The trunk lid keyless go button (S62/21) locks the vehicle as well as closes the trunk lid.

2 The RTL control module (N121) actuates the trunk lid power locking motor (7) until the striker eye is located in the **upper** end position, which is recognized by the power locking switch (S88/14)

3 Simultaneously the RTL control module (N121) actuates the trunk lid drive motor (M15/2)

i The position of the trunk lid is recognized and monitored by the RTL control module (N121) using the trunk lid/tailgate opening angle recognition sensor (B24/16).

i On vehicles with code (889) Keyless go, a check is started via the EIS control module (N73) whether a remote control key (A8/1) is located in the vehicle passenger compartment. If a remote control key (A8/1) is recognized, the trunk lid is closed, however, locking is discontinued and an error message is displayed on the instrument cluster (A1).

4 The trunk lid drive motor (M15/2) is actuated until the lock pawl rotary tumbler switch (S88/4) is actuated by the trunk lid lock.

i The CAN message "Trunk lid closed" is transmitted by the lock pawl rotary tumbler switch (S88/4) via the rear SAM control module with fuse and relay module (N10/2) to the RTL control module (N121)

5 Final closing is accomplished by the power locking feature, which actuates the trunk lid power locking motor (7) until the power locking switch (S88/14) has recognized the **bottom** end position.

i As a matter of principle, the motion of the trunk lid can be stopped by actuating the control point again **in the same** motion direction After stopping the trunk lid, the interrupted operation can be continued in **any** motion direction by pressing the control point again.

Lock-up recognition:

Lock-up is recognized when the value from the trunk lid/tailgate opening angle recognition sensor (B24/16) does not change during actuation of the trunk lid drive motor (M15/2).

If lock-up is recognized during closing, the trunk lid drive motor (M15/2) is reversed and the trunk lid moved back to its initial position.

If lock-up is recognized during opening, the trunk lid drive motor (M15/2) is switched off and the trunk lid remains in the momentary position.

Manual closing

If the trunk lid is closed with force from outside (manually), it is necessary to overcome the resistance of the sliding clutch in the trunk lid drive motor (M15/2) Power locking is not active and it is necessary to close the trunk lid completely by hand

	TLC [HDS] control module, location/purpose		GF80.20-P-4120T
	Trunk lid drive unit, location/purpose/design/function		GF80.20-P-4121T
	Trunk lid power locking unit, location/purpose/design/function		GF80.20-P-4122T