Speed-dependent locking

Function requirements

- Function in instrument cluster (A1) activated

The doors are locked at a speed of approx. 15 km/h and the trunk lid at a speed of approx. 3 km/h.
In this case, the EIS control unit (N73) transmits the "Locking" command to the controller area network bus, class B (interior compartment) (CAN B).
The door control units, the front SAM control unit (N10) and the rear SAM control unit (N10/8) then actuates the corresponding motor in the "Locking" direction.
The rear SAM control unit deactivates the rear-end door handle (S88/9).

The vehicle can be unlocked by opening the driver and passenger door from inside or by actuating the left interior CL switch (S85/5) or right interior CL switch (S85/6).
If, after locking, the vehicle is unlocked with the CL inner actuation switch, the vehicle also remains unlocked above the speed threshold.
If a door is opened and then closed again following automatic locking, when the vehicle speed is greater than the speed threshold, the door in question is locked again after it is closed.

Relocking

The "Relocking" function is actuated by the EIS control unit, if the vehicle is unlocked and none of the doors or the trunk lid are opened within 40 s Relock is confirmed by visual feedback signal

The status of the doors is evaluated by the rotary tumbler switches installed in the CL motor and the door control units, the front SAM control unit and the rear SAM control unit via CAN B.

With anti-theft alarm system (ATA) code 551:
The anti-theft alarm system (ATA) is armed again when relocking

	Front SAM control unit, component description		GF54.21-P-7010GZ
	Rear SAM control unit, component description		GF54.21-P-7030GZ
	Left front door control unit, component description		GF72.29-P-4141GZ
	Right front door control unit, component description		GF72.29-P-4142GZ
	Electronic ignition/starter switch control unit (EIS) component description		GF80.57-P-6000GZ