

11 Signal for opening tailgate via switch

*N93 Central gateway control unit
 N121/1 Tailgate closing control unit
 S15/3 Driver-side opening and closing driver-side tailgate switch
 S62/26 RWTS button
 S88/9 tailgate handle switch*

CAN B Controller area network bus class B (interior compartment) (CAN B)

Requirements

- Terminal 30
- System synchronized
- Speed = 0 km/h

Function sequence via tailgate handle switch

Actuation of the tailgate handle switch is read in by the rear SAM control unit. The rear SAM control unit transmits this message to the CAN-B and simultaneously actuates the tailgate locking unit in the opening direction. The tailgate closing control unit reads in the message and starts the tailgate hydraulic pump. The hydraulic cylinder is charged with oil and opens the tailgate with the multiple-joint hinge. The tailgate closing control unit controls the hydraulic operation and final switch-off of the tailgate hydraulic pump with the tailgate opening angle recognition sensor.

When the tailgate opening angle recognition sensor reaches the determined final switch-off angle, the tailgate closing control module switches off the tailgate hydraulic pump.

During the entire tailgate opening operation, the tailgate closing warning buzzer (H4/60) is actuated once each second.

i The tailgate can be closed hydraulically when the RWTS button is pressed once. When the button is actuated several times, closing is stopped or is set forth

Function sequence via open and close switch for tailgate , driver

Actuation of the open and close switch for tailgate , driver is read in by the left front door control unit and transmitted to the CAN-B. The command is read in by the tailgate closing control unit and starts the opening procedure; parallel to this, the tailgate locking unit is actuated in the opening direction by the rear SAM control unit. The tailgate closing control unit starts the tailgate hydraulic pump. The tailgate opening angle recognition sensor recognizes when the end position of the tailgate is reached and is transmitted to the tailgate closing control unit. The tailgate closing control unit stops the tailgate hydraulic pump. The tailgate closing warning buzzer is actuated by the tailgate closing control unit during the entire closing procedure once each second.

i When the open and close switch for tailgate , driver is actuated again, the opening procedure is interrupted. The tailgate remains in the current position. When the switch is actuated again, the opening procedure is continued

i If tailgate lock-up or acceleration due to manual intervention is recognized, the tailgate opening operation is stopped and can be continued by actuating the switch again.

Function sequence via transmitter key

When the button on the transmitter key is actuated, it transmits a signal to the roof antenna module (A2/93) via radio; from there, it is transmitted to the rear SAM control unit via CAN-B bus. The EIS control unit checks the authorization and transmits the opening command to the rear SAM control unit and to the tailgate closing control unit via CAN-B. The rear SAM control unit actuates the tailgate closing unit in the opening direction.

The opening command is read in by the tailgate closing control unit and starts the opening procedure. The tailgate closing control unit starts the tailgate hydraulic pump. The tailgate opening angle recognition sensor recognizes when the end position of the tailgate is reached and is transmitted to the tailgate closing control unit. The tailgate closing control unit stops the hydraulic pump. The tailgate closing warning buzzer is actuated by the tailgate closing control unit during the entire opening procedure once each second.

i Opening is stopped by pressing the button on the transmitter key again. The tailgate remains in the current position. When the switch is actuated again, opening is continued

i If tailgate lock-up or acceleration due to manual intervention is recognized, the tailgate opening operation is stopped and can be continued by actuating the switch again.

i If an error on the tailgate closing warning buzzer or on the obstruction sensor strips is recognized by the tailgate closing control unit, automatic opening can only be performed with the RWTS button. It is no longer possible to automatically close or the control the system from another control point.

Manual opening

Manual operation of the tailgate is possible in case of an emergency, but requires increased force, since the hydraulic system also has to be moved. An LED in the open and close switch for tailgate , driver indicates whether the tailgate is open.

i It is not necessary to recalibrate the tailgate opening angle recognition sensor in the event of manual intervention.

	tailgate remote actuation, function		GF80.20-P-0001GZ
	Tailgate remote control, location of components		GF80.20-P-0001-01GZ
	Tailgate remote actuation, block diagram		GF80.20-P-0001-02GZ
	Tailgate closing, function		GF80.20-P-2001GZ
	Survey of system components for tailgate remote control, component description		GF80.20-P-9992GZ