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- 1 "Closing" request from tailgate closing switch (S62/36), tailgate closing button (S62/35) (with keyless go code 889) or keyless go trunk lid button (S62/21)
- 2 Tailgate closing control module actuation (N121/1)
- 3 Tailgate hydraulic pump actuation (M51/1) "Start"
- 4 Status of trunk lid/tailgate opening angle recognition sensor (B24/16) End switch-off angle reached
- 5 Tailgate hydraulic pump actuation (M51/1) "Stop"

- A Speed signal
- B Circuit status
- A1 Instrument cluster

- A72 Tailgate locking unit
- B24/16 Trunk lid/tailgate opening angle detection sensor
- M51/1 Tailgate hydraulic pump
- N73 DI control module
- N93 Central gateway control module
- N111 Tailgate control module
- N121/1 Tailgate closing control module
- N130 Loading floor control module
- S62/21 Trunk lid keyless go button
- S62/35 Close tailgate closing button (with keyless go, code 889)
- S62/36 Tailgate closing switch
- Y102 Control valve for automatic tailgate closing system

CAN-B CAN interior compartment bus

Requirements

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

The tailgate closing switch (S62/36) allows the tailgate to be closed hydraulically by pressing once. Actuating the tailgate closing switch (S62/36) more than once stops the closing motion or continues it.

1 If the vehicle is equipped with keyless go, code 889 the tailgate can be closed automatically with the tailgate closing button (S62/35) or closed and locked automatically with the keyless go trunk lid button (S62/21)

Operating procedure

Actuation of the tailgate closing switch (S62/36) is read in by the tailgate control module (N111) and

Manual closing

relayed via the CAN interior compartment bus to the tailgate closing control module (N121/1). The tailgate closing control module (N121/1) starts the tailgate hydraulic pump (M51/1).

The hydraulic cylinder is filled with oil and closes the tailgate over the multiple joint hinge. The trunk lid/tailgate opening angle recognition sensor (B24/16) allows the tailgate closing control module (N121/1) to check the hydraulic operation and end switch-off of the tailgate hydraulic pump (M51/1).

When the trunk lid/tailgate opening angle recognition sensor (B24/16) reaches the defined end switch-off angle, the tailgate closing control module (N121/1) switches off the tailgate hydraulic pump (M51/1).

Special case for automatic extending main cargo floor, code 943

If necessary, manual actuation of the tailgate is possible, however, requires increased force, because it is also necessary to move the hydraulic mechanism. **The trunk lid opening angle detection sensor (B24/16)** does not require any recalibration after a manual intervention. The open state of the tailgate is indicated by an LED in the **tailgate remote opening switch (S15)**

i The end switch-off of the **tailgate hydraulic pump (M51/1)** is selected so that after the hydraulic mechanism is switched off the tailgate locks automatically with its own weight. The complete tailgate closing is accomplished by the power locking feature.

If the vehicle is equipped with an **automatic extending main cargo floor , code 943** the state of the cargo floor (extended/retracted) has an effect on the operation of the **automatic tailgate closing feature**. If the cargo floor is **not completely retracted**(status signal from **cargo floor control module (N130)** via CAN interior compartment bus and a request to close the tailgate is present at the **tailgate closing control module (N121/1)** , the latter sends a **warning signal** to the **tailgate control module (N111)** via the CAN interior compartment bus which causes the **cargo floor switch (S150)** to **flash** This warning signal remains set as long as the request "Close tailgate" is present on the **tailgate closing control module (N121/1)** The **cargo floor switch (S150)** flashes for a maximum of 25 s under the control of the **tailgate control module (N111)** It is then necessary for the **tailgate control module (N111)** to send a new warning signal via the CAN interior compartment bus.

	Tailgate closing control module, location/ purpose		GF80.20-P-1101TA
	Tailgate hydraulic pump, location/purpose		GF80.20-P-1104TA
	Opening angle recognition sensor, location/ purpose		GF80.20-P-1103TA
	Open tailgate switch, location/purpose/design		GF80.20-P-1107TA