

GF82.30-P-0003GZ

Wiper system (WS), function

30.8.04

MODEL 164.1

The wiper system is operated using the combination switch (S4). The selected wiper level for (front) wiping is transmitted by the steering column module (N80) to the front SAM control unit (N10) via class B CAN.

For rear wiping the selected wiper level is transmitted by the steering column module to the central gateway control unit (N93) via class B CAN to the rear SAM control unit (N10/8), which actuates the tailgate wiper motor (M6/4).

Wiping (rear)

The rear-end door wiper system is operated manually while driving forwards using the combination switch in intermittent operation with an interval of approx. five seconds.

When reversing, the rear-end door wiper system is actuated automatically depending on the position of the front wiper system combination switch.

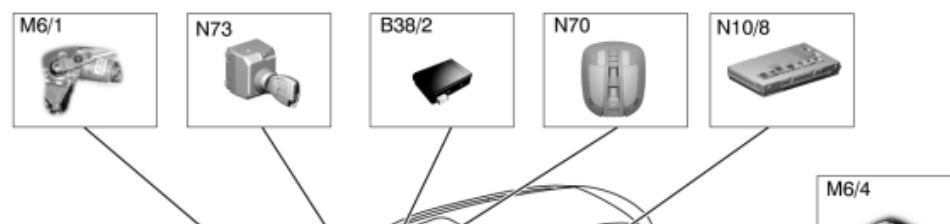
i Blocking protection, blocking detection and the braking and stopping of the wiper arms in the end position are carried out independently by the wiper motors and the front SAM control unit.

WASH

the windshield is wiped with additional washing water. To do this, push the combination switch axially beyond the detent.

The headlamp cleaning system is:

- activated manually using the HCS button or
- activated automatically after the windshield washer system has been operated 15 times



Wiping (front)

- Touch wipe:
Push combination switch to detent point.
- Automatic control depending on rain intensity:
Combination switch in position "I"
- Wiping at slow speed:
Combination switch in position "II"
- Wiping at fast speed:
Combination switch in position "III"

The combination switch can be manually operated as follows when reversing:

- Intermittent wipe with an interval of approx. five seconds.

The following automatic functions are possible for the rear-end door wiper when reversing:

- Automatic control depending on rain intensity, Combination switch in position "I", rear-end door wiper is actuated in the same way as front wiper.
- Continuous wiping, if the combination switch is in position "II" or "III" when reversing.

Washer nozzle heater

Automatic control by the front SAM control unit depending on the outside temperature.

P82.30-2463-09

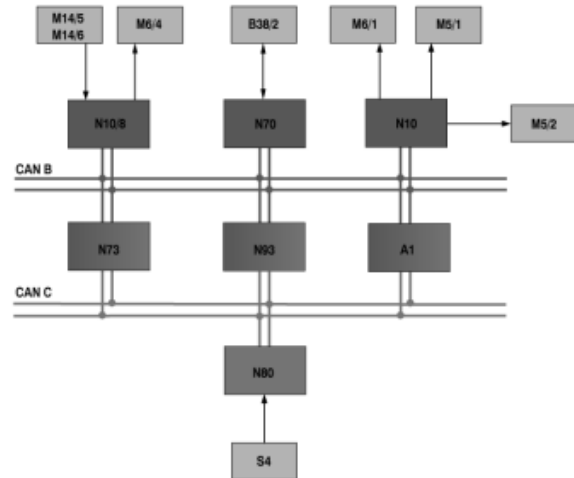
A1 Instrument cluster
 B10/5 Outside air temperature sensor
 B38/2 Rain/light sensor
 M5/1 Windshield washer fluid pump
 M5/2 HCS pump
 M6/1 Wiper motor

M6/4 Tailgate wiper motor
 M14/5 Right front door CL motor
 M14/6 Left front door CL motor
 N10 Front SAM ECU
 N10/8 Rear SAM control unit
 N70 Overhead control panel control unit

N73 EIS control unit
 N80 Steering column module
 N93 Central gateway control unit
 S4 Combination switch

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 S4 Combination switch

CAN-B Class B CAN
 CAN-C Class C CAN



P82.30-2466-12

	Wiper system automatic speed reduction, function	In vehicles without Code (494a) USA version	GF82.30-P-4006GZ
	Rear SAM control unit, component description		GF54.21-P-7030GZ
	Front SAM control unit, component description		GF54.21-P-7010GZ
	Washer nozzles/washer nozzle hose heater, function		GF82.35-P-3003GZ
	Windshield washer, function		GF82.35-P-3002GZ
	Windshield wiper, function		GF82.30-P-3004GZ
	Wiper start suppression function		GF82.30-P-3008GZ