



P82.30-2462-09

A1	Instrument cluster	N10	Front SAM control unit	CAN B	CAN Class B
A80	Intelligent servo module for DIRECT SELECT	N10/8	Rear SAM control unit	CAN-C	CAN class C
B38/2	Rain/light sensor	N70	Overhead control panel control unit		
M6/1	Wiper motor	N73	EIS [EZS] control unit		
M14/5	Right front door CL [ZV] motor	N80	Steering column module		
M14/6	Left front door CL [ZV] motor	N93	Central gateway control unit		
		S4	Combination switch		

Function prerequisite

- C. 15R On

Automatic control

The automatic wiper control (rain sensor operation) function is switched on by turning the combination switch to position "I" or to position "II" (model 164.8 only).

The wiper motor is actuated depending on

- Degree of windshield wetting
- Ambient light conditions
- Vehicle speed
- Outside temperature

are actuated.

The rain/light sensor and the overhead control panel control unit evaluate the signals. The wiper motor is actuated via CAN class B by the front SAM control unit.

Wiping at predetermined speed

Model 164.1

Continuous wiping is activated by turning the combination switch to position "II" or "III".

Model 164.8

Continuous wiping is activated by turning the combination switch to position "III" or "IV".

The requests from the combination switch are sent over the steering column module to the front SAM control unit.

The front SAM control unit actuates the wiper motor as per the requests.

- For continuous wiping at a slow speed (stage 1, approx. 40 cycles/min.), turn the combination switch to position "II" (model 164.1) or to position "III" (model 164.8).

Possible wiper stages

- Intermittent wiper with variable intervals.
- Continuous wiping at the required wiping speed.

Emergency running

If the communication between the rain/light sensor and the overhead control panel control unit fails, intermittent operation is activated at fixed intervals (approx. 5 sec.).

If automatic speed reduction is active the interval is approx. 7.5 sec.

i Automatic speed reduction not for vehicles with USA version, code 494.

- For continuous wiping at a fast speed (stage 2, approx. 60 cycles/min.), turn the combination switch to position "III" (model 164.1) or to position "IV" (model 164.8).
- For touch wiping, briefly push combination switch to the catch point.
 - i** By briefly pressing the combination switch, a single wipe is performed, when pressing for longer the wiping continues in accordance with the duration that the switch is actuated. Touch wiping always takes place at the currently selected speed stage but at least at stage 1. Touch wiping has priority over intermittent wiping. Touch wiping takes place independently of the operation of the windshield washer fluid pump (M5/1).

	Combination switch component description		GF82.30-P-5000GZ
	Steering column module component description		GF54.21-P-6050GZ
	Rain/light sensor, component description		GF54.21-P-6000GZ
	Overhead control panel control unit, component description		GF82.20-P-5216GZ
	Electronic ignition/starter switch control unit (EIS) component description		GF80.57-P-6000GZ
	Front SAM control unit, component description		GF54.21-P-7010GZ
	Outside air temperature sensor component description		GF83.57-P-4000GZ
	Wiper motor component description		GF82.30-P-5010GZ