



Mercedes-Benz

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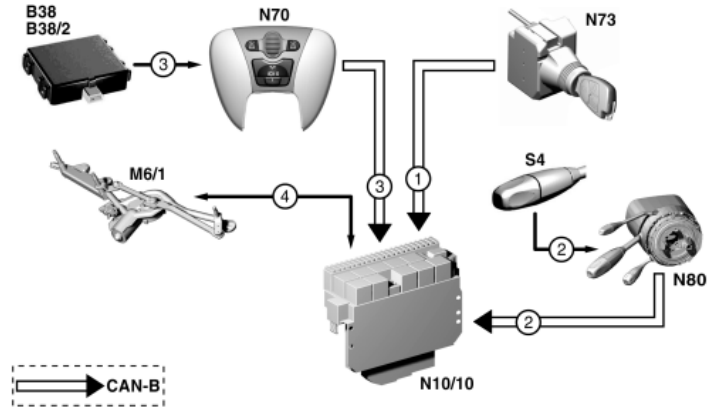
GF82.30-P-3004R	Windshield wiper, function	11.1.01
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MODEL 230

- 1 Terminal status
- 2 Requirement
- 3 Degree of wetness
- 4 Actuation and position feedback

- B38 Rain sensor (up to 31.5.04)
- B38/2 Rain/light sensor (as of 1.6.04)
- M6/1 Wiper motor
- N10/10 Driver SAM control unit
- N70 Overhead control panel control unit
- N73 EIS control unit
- N80 Steering column module
- S4 Combination switch

CAN-B Controller Area Network bus class B (interior) (CAN-B)



P82.30-2416-05

Operating prerequisite

- Circuit 15R ON

Automatic control

Automatic wiper control (rain sensor mode) is activated by turning the combination switch (S4) to position "I".

The wiper motor (M6/1) is actuated depending on

- The degree of wetness of the windshield
- The ambient light conditions
- The vehicle speed
- The outside temperature

The rain sensor (B38) or rain/light sensor (B38/2) and the overhead control panel control unit (N70) evaluate the signals that are relayed to the driver-side SAM control unit (N10/10) via the Controller Area Network bus class B (interior) (CAN-B). The driver-side SAM control unit (N10/10) then directly actuates the wiper motor (M6/1).

Wiping at specified speed

Continuous wiping is activated on by turning the combination switch (S4) to position "II" or "III".

The driver-side SAM control unit (N10/10) is notified of requests from the combination switch (S4) via the steering column module (N80).

The driver-side SAM control unit (N10/10) actuates the wiper motor (M6/1) in accordance with the requests.

- For continuous wiping at slow speed (stage 1, approx. 40 cycles per min.), turn combination switch (S4) to position "II".

Possible wiper levels

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

Emergency running

If communication between the rain sensor (B38) or the rain/light sensor (B38/2) and the overhead control panel control unit (N70) fails, intermittent operation with fixed intervals (approx. 5 sec.) is activated.

With automatic speed reduction the interval is approx. 7.5 sec.

- For continuous wiping at fast speed (stage 2, approx. 60 cycles per min.), turn combination switch (S4) to position "III".

- For touch wiping, briefly push combination switch (S4) to detent point.

i By briefly pressing the combination switch (S4), a single wipe is performed, when pressing for longer the wiping continues in accordance with the duration that the switch is actuated. Touch wiping takes place independently of the wiper level that has been selected.

Slowing down wiper motor, function	GF82.30-P-4007R
Anti-lock protection for wiper motor, function	GF82.30-P-4008R
Combination switch, location / task / design / function	GF82.30-P-2100R
Wiper motor, location / task / design / function	GF82.30-P-4104R
Rain sensor, location/task/design/function	GF82.30-P-4102R