



P82.10-3166-09

Shown on model 209.3 up to 30.11.04

A1	Instrument cluster	E4e1	Right turn signal lamp	N28/1	Trailer recognition control unit
A1e1	Left turn signal indicator lamp	E6/5	Left outside mirror turn signal lamp	N69/1	Left door control unit
A1e2	Right turn signal indicator lamp	E6/6	Right outside mirror turn signal lamp	N69/2	Right door control unit
A1h2	Audible turn signal indicator	N10/1	Front SAM control unit with fuse and relay module	N73	EIS control unit
E1e5	Left turn signal lamp	N10/2	Rear SAM control unit with fuse and relay module	N80	Steering column module
E2e5	Right turn signal lamp			S4	Combination switch
E3e1	Left turn signal lamp			X58	Trailer hitch socket (13-pin)

- Function requirements:
- Circuit 15 ON
 - Combination switch (S4) in "Left or right turn signal" position

Function

The steering column module (N80) detects the position of the combination switch (S4) and sends the "flash to the left" or "flash to the right" message to the relevant control units via the class B (interior) Controller Area Network Bus (CAN-B) to actuate the turn signal lamps.

Left turn signal

The steering column module (N80) reads in the position of the combination switch (S4) "flash to the left" and transmits the message via the CAN-B to the rear SAM control unit with fuse and relay module (N10/2). This actuates the left turn signal lamp (E3e1) in the left taillamp (E3).

The "flash to the right" message is simultaneously transmitted via the CAN-B to the right door control unit (N69/2) and the front SAM control unit with fuse and relay module (N10/1). The right door control unit (N69/2) actuates the right outside mirror turn signal lamp (E6/6). The front SAM control unit with fuse and relay module (N10/1) actuates the right turn signal lamp (E2e5).

The following indicator lamps are activated as a visual indicators in the instrument cluster (A1).

- Left turn signal indicator lamp (A1e1)
- Right turn signal indicator lamp (A1e2)

The "flash to the left" message is simultaneously transmitted via the CAN-B to the left door control unit (N69/1) and the front SAM control unit with fuse and relay module (N10/1). The left door control unit (N69/1) actuates the left outside mirror turn signal lamp (E6/5). The front SAM control unit with fuse and relay module (N10/1) actuates the left turn signal lamp (E1e5).

Right turn signal

The steering column module (N80) reads in the position of the combination switch (S4) "flash to the right" and transmits the message via the CAN-B to the rear SAM control unit with fuse and relay module (N10/2). This actuates the right turn signal lamp (E4e1) in the right taillamp (E4).

Operational sequence turn signal lamp touch control

The operational sequence for the turn signal lamp touch control is the same, in relation to the signal flow, as that for the turn signal indicator. The difference is only how the flashing operation is actuated and terminated.

For the touch turn signal mode the combination switch lever (S4) should only be briefly moved (less than 500 ms) into the desired signaling position. Without the lever engaging into place in the signaling position a sequence of three turn-signal cycles is triggered.

- The audible turn signal indicator (A1h2)

Turn signal flashing is automatically ended by automatic reset due to countersteering or by manual reset of the combination switch (S4).

If a turn signal lamp malfunctions, the flashing frequency of the left turn signal indicator lamp (A1e1) or right turn signal indicator lamp (A1e2) doubles only in the instrument cluster (A1).

One-touch turn signaling is interrupted by activating the hazard warning flasher function or operating the combination switch (S4) in the opposite direction.



In vehicles with code (550) Trailer hitch, the "flash to the left" or "flash to the right" message is transmitted by the rear SAM control unit with fuse and relay module (N10/2) to the trailer recognition control unit (N28/1), which actuates the 13-pin trailer hitch socket (X58).

	Front SAM control unit with fuse and relay module location/task/design		GF54.21-P-4108Q
	Rear SAM control unit with fuse and relay module, location/task	Model 209.3	GF54.21-P-4130Q
		Model 209.4	GF54.21-P-4130QA
	Steering column module location/task		GF54.21-P-4125Q
	Electronic ignition switch control unit, location/task		GF80.57-P-4120Q
	Left door control unit location/task		GF72.29-P-4122Q
	Right door control unit location/task		GF72.29-P-4123Q
	Trailer recognition control unit, location/task	with CODE (550) Trailer device Up to 30.11.04	GF82.10-P-2106Q
		with CODE (550) Trailer device as of 1.12.04	GF82.10-P-2106QX