

GF54.21-P-7030GZ	Rear SAM control unit, component description	22.6.06
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MODEL 164

Shown on model series 164.1

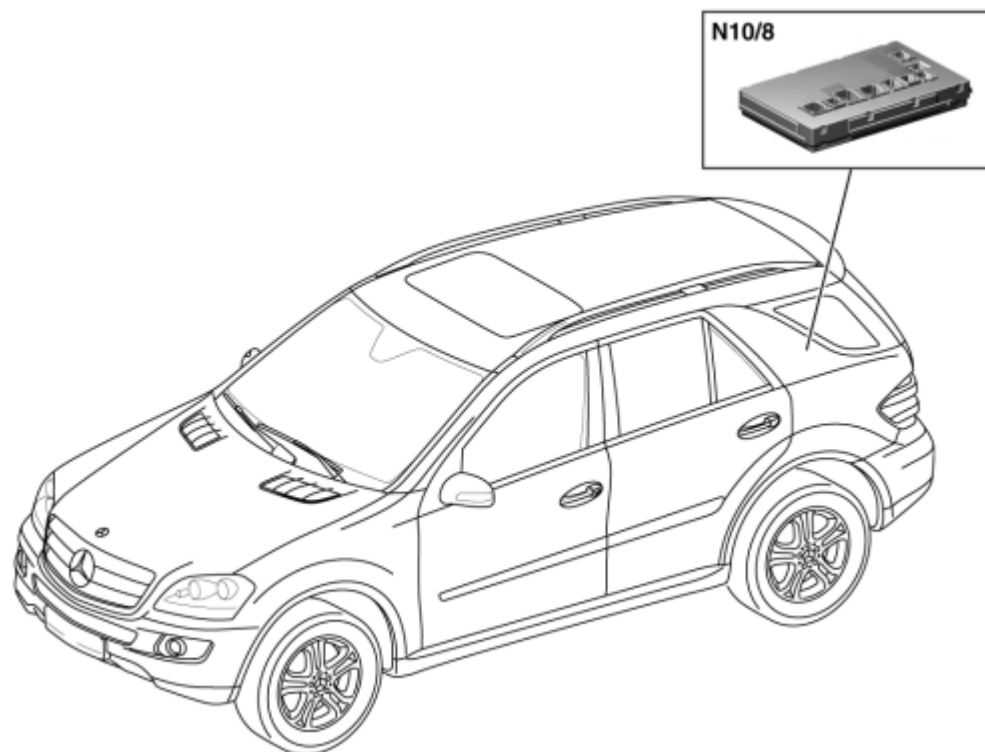
N10/8 Rear SAM control unit

Location

The rear SAM control unit is located in the right rear luggage compartment on the wheelhouse.

General

The rear SAM control unit serves to exchange data and is connected to the Controller Area Network bus Class B (interior) (CAN-B).



P54.21-2514-06

Task

The rear SAM control unit reads in the following components, sensors, pick-ups and switches, and actuates the function and switch and controls illumination and then actuates the following relay and consumers by way of semiconductor switches.

Controlling

- Heated rear window (R1)
- Rear exterior lights
- Turn signal functions
- Right rear door central locking system
- Central locking, rear-end door

- Rear-end door power closing
- Trunk illumination

- Trailer recognition and trailer illumination
- Rear wiper
- Left and right rear door illumination
- Left and right rear vent window
- Anti-theft alarm system [EDW] (for anti-theft alarm system (ATA [EDW]), code 551)

Reading in and outputting the following signals:

- Circuit 30
- Circuit 31
- Circuit 15
- Circuit 54

Reading in following switches, pickups and sensors:

- Rear door locking unit (A72)
- Fuel level sensor, left half of tank (B4/1)
- Fuel level sensor, right half of tank (B4/2)
- Left vent window obstruction sensor strip (B51/5)
- Right vent window obstruction sensor strip (B51/6)
- Right front door rotary tumbler microswitch (M14/5s1)
- Left front door rotary tumbler microswitch (M14/6s1)
- Left rear door rotary tumbler microswitch (M14/8s1)
- Right rear door rotary tumbler microswitch (M14/9s1)
- Spare tire carrier "locked" switch (S151/1)
- Spare tire carrier "open" switch (S151/2)
- Right easy entry feature microswitch, 2nd seat row (S159/1)
- Stop light switch (S9/1)
- Engine hood ATA switch (S62)
- Rear-end door handle switch (S88/9)
- Interference filter 1 (A49/1)
- Alarm signal horn with additional battery (H3/1) (with anti-theft alarm system (ATA [EDW]), code 551)

Switching in the following relays:

- Socket circuit 15R relay (with run-on) (F4kK)
- Heated rear window relay (F4kM)
- Rear wiper relay (F4kP)
- Trailer circuit 30X relay (F4kL)
- Circuit 15R relay (F4kR)
- Front passenger seat adjustment comfort relay (K24/2)

i The fuel pump relay (F4kO) is located on the load compartment fuse and relay box (F4), but it is actuated by the ME-SFI [ME] control unit (N3/10).

Switching consumers via semiconductor switches

- Rear door locking unit
- Left taillamp (E3)
- Left turn signal lamp (E3e1)
- Taillamp and left rear fog lamp (E3e2)
- Left backup lamp (E3e3)
- Left stop lamp (E3e4)
- Right taillamp (E4)
- Right turn signal lamp (E4e1)
- Taillamp and right rear fog lamp (E4e2)
- Right backup lamp (E4e3)
- Right stop lamp (E4e4)
- Right luggage compartment lamp (E18/4)
- Left luggage compartment lamp (E18/5)
- Left rear-end door license plate lamp (E19/3)
- Right rear-end door license plate lamp (E19/4)
- Center high-mounted stop lamp (E21)
- Alarm signal horn with additional battery (for anti-theft alarm system (ATA [EDW]), code 551)
- Right rear door CL [ZV] motor (M14/9)
- fuel filler flap CL [ZV] motor (M14/10)
- Central locking motor, spare tire carrier (M14/13)
- Left vent window motor (M21/8)
- Right vent window motor (M21/9)
- Lumbar pump (M25/1)
- Overall trailer lighting

For USA version, code 494:

- Alarm horn (H3)