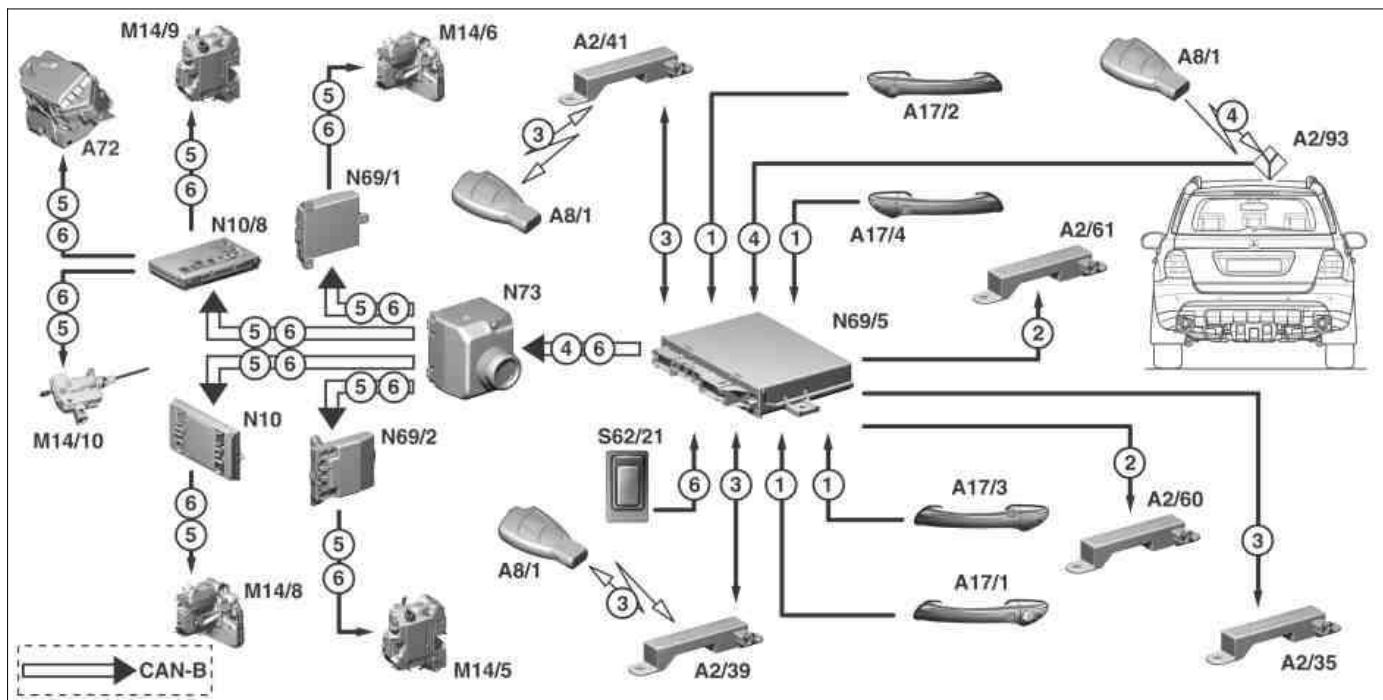


MODEL 164
with CODE (889) Keyless Go
up to Model Year 8



P80.61-2158-09

Illustrated on model 164.1, function sequence for door handle control point

- | | | |
|--|--|--|
| <ol style="list-style-type: none"> 1 Wake-up signal after actuating door handle 2 Mute signal 3 Wake-up signal for key and checking access authorization code 4 Authorization and access data 5 Open/close selectively/globally 6 Lock vehicle | <p>A2/35 Trunk Keyless Go antenna</p> <p>A2/39 Left rear door Keyless Go antenna</p> <p>A2/41 Right rear door Keyless Go antenna</p> <p>A2/60 Cockpit Keyless Go antenna</p> <p>A2/61 Interior Keyless Go antenna</p> <p>A2/93 Roof antenna module</p> <p>A8/1 Transmitter key</p> <p>A17/1 Left front Keyless Go door handle</p> <p>A17/2 Right front Keyless Go door handle</p> <p>A17/3 Left rear Keyless Go door handle</p> <p>A17/4 Right rear Keyless Go door handle</p> | <p>A72 Rear door locking unit</p> <p>N10 front SAM control unit</p> <p>N10/8 Rear SAM control unit</p> <p>N69/1 Door control unit front left</p> <p>N69/2 Door control unit front right</p> <p>N69/5 Keyless Go control unit</p> <p>N73 EIS [EVS] control unit</p> <p>S62/21 Rear-end door keyless go button</p> <p>CAN B Controller area network bus class B (interior compartment) (CAN B)</p> |
|--|--|--|

Function requirements

- Circuit 30

Possible system activation

- Pulling at a door handle.
- Pulling rear-end door handle.

Function sequence for door handle control point

The capacitive sensor in the door handle recognizes when the corresponding door handle is pulled slightly and transmits a signal to wake up the Keyless Go control unit and the Keyless Go system (KG). The Keyless Go control unit transmits a signal via the Keyless Go cockpit antenna and Keyless Go interior compartment antenna to mute all transmitter keys in the interior compartment for a certain period of time. Moreover, the Keyless Go control unit causes the Keyless Go transmitter key to transmit its authorization via the left rear door Keyless Go inductive antenna.

This access authorization is received by the roof antenna module and is relayed to the Keyless Go control unit. The Keyless Go control unit transmits this message to EIS control unit via the CAN-B bus. The EIS control unit checks the access authorization; after positive check, it transmits the "Unlocking" command via the CAN-B bus. If a door handle is now pulled within 0.5 s, the Hall sensor in the door recognizes this and the Keyless Go control unit activates the servo motor of this door.

i All door locks are equipped with a servo motor to accelerate unlocking. This motor is directly actuated by the Keyless Go control unit to open to rotary tumbler. The CL motors are responsible for opening the doors.

The actuation of the central locking depends on the adjustment of the transmitter key

Possible adjustments:

- Unlock CL globally
 - Unlock CL selectively
- Driver door control point: Selective unlocking
 Passenger door control point or rear door: Global unlocking

i A button for pressing is located on the corresponding outer side of the door handle; the vehicle is locked or convenience closed with this button. A capacitive sensor with which the vehicle is unlocked in the event of contact, is located on the inside of each door handle. Each door handle is read in by the Keyless Go control unit with two lines.

Function sequence for rear-end door handle control point

When the rear-end door handle is pulled the rear-end door handle switch (S88/9) is actuated. The procedure is recognized by the rear SAM control unit and relays the message to the Keyless Go system (KG) via the CAN-B bus. Then, the Keyless Go control unit requests the Keyless Go transmitter key to transmit its authorization via the Keyless Go trunk antenna. This authorization is relayed to the Keyless Go control unit by the roof antenna module. The Keyless Go control unit transmits the message to the EIS control unit, it checks the access authorization and transmits the "Unlocking" command via CAN-B bus. The further function sequence is the same as for the door handle control point.

	Transmitter key, component description		GF80.57-P-6010GZ
	Keyless Go control unit, component description		GF80.61-P-4200GZ
	Electronic ignition/starter switch control unit (EIS) component description		GF80.57-P-6000GZ