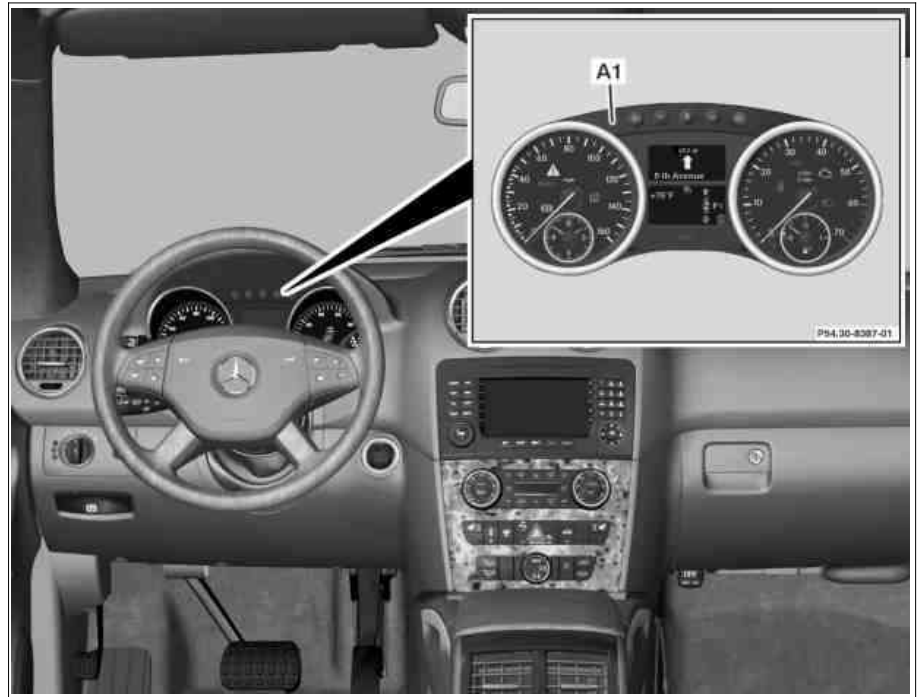


MODEL 164 up to Model Year 8

Shown on model 164.1

Location

A1 Instrument cluster



P54.30-8389-06

Location

The instrument cluster is located in the dashboard on the driver-side.

Task

The instrument cluster displays the dynamic and static status of the vehicle.

It also controls:

- Input/output signals on CAN-B and CAN-C for the various operations, displays and warning messages
- Illumination of the multifunction display (A1p13) depending on:
 - the brightness buttons +/-
 - the rain/light sensor (B38/2)
 - the phototransistor

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- Configurations which can also be set while driving are with the exception of:
 - Switch daytime running lamps on/off
 - Engine oil level measurement
 - Key dependency
 - The instrument cluster actuates the stepper motors of the following analog displays:
 - Tachometer (A1p5)
 - Electronic clock (A1p6) (analog display)
 - Electronic speedometer (A1p8)
 - Fuel supply and reserve indicator (A1p2)

Variants

- Left-hand drive vehicle
- Right-hand drive vehicle
- Instrument cluster with segment display with Distronic (DTR) code 219

- Outputs to the multifunction display
- Displaying the time using an analog clock
 - Reading in the brightness buttons +/-
 - Reading in the reset button (R)

The acoustic warning and information signals are output by a speaker that generates the turn signal indicator clicking sound using a relay:

- Flashing "ON" (turn signal indicator clicking sound)
- Lights ON warning (gong)
- Parking brake warning (gong tone)
- Key reminder (gong tone)
- National vehicle speed warning (gong tone)
- Door warning (gong tone)
- Child safety lock (gong tone)
- Front passenger airbag shutoff by ACSR automatic child seat recognition (gong tone)
- Seat belt reminder warning (gong tone, audible beep)
- Engine oil level warning (gong tone)

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- Instrument cluster without segment display without Distronic (DTR) code 219

National versions

- National version ECE, Canada, Rest of the World (km)
 - Single scale "km/h"
 - Speedometer ring with 26 sections
 - Segment ring for the speed control systems adapted to the km/h scale (with Distronic (DTR) code 219)
 - Gasoline engine/diesel
- National version for USA, UK (miles)
 - Single scale "miles"
 - Speedometer ring with 32 sections
 - Segment ring for speed control systems adapted to the miles scale
 - Gasoline engine/diesel

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