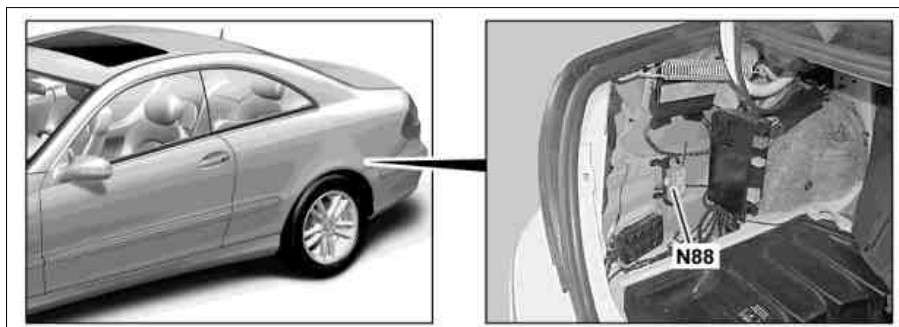


MODEL 209.3 /4 with CODE (470) Tire pressure monitor (base)

N88 TPM [RDK] control unit

Location

The TPM [RDK] control unit is located in the left of the luggage compartment.



P40.15-2390-04

Task

The TPM [RDK] control unit realizes the following functions:

- Display of a soft warning for slight pressure loss
- Display of a hard warning for significant pressure loss
- Warning in event of rapid pressure loss
- Status monitoring

The TPM [RDK] control unit receives data telegrams via two-way radio from the following sensors:

- Left front TPM [RDK] wheel sensor (A69/1)
- Right front TPM [RDK] wheel sensor (A69/2)
- Left rear tire pressure monitor sensor (A69/3)
- Rear right tire pressure control wheel sensor (A69/4)

The data telegrams contain the pressure, tire pressure temperature, individual serial number and status information (manufacturer, direction of rotation, operating mode etc.).

If a pressure loss is detected based on this data, the TPM [RDK] control unit requests the corresponding warning message in the multifunction display (A1p13) of the instrument cluster (A1). In addition to the warning messages the tire pressure monitor warning lamp (A1e66) is also actuated.

The TPM [RDK] control unit constantly monitors all input signals and output signals for faults. Detected faults that are relevant to function are entered into the fault memory.

Any status messages are shown in the multifunction display.

Discrete inputs

- Circuit 30
- Circuit 31

Controller Area Network (data bus/CAN bus) signals

The TPM [RDK] control unit is connected to the Controller Area Network bus Class B (interior) (CAN B) for the exchange of data.