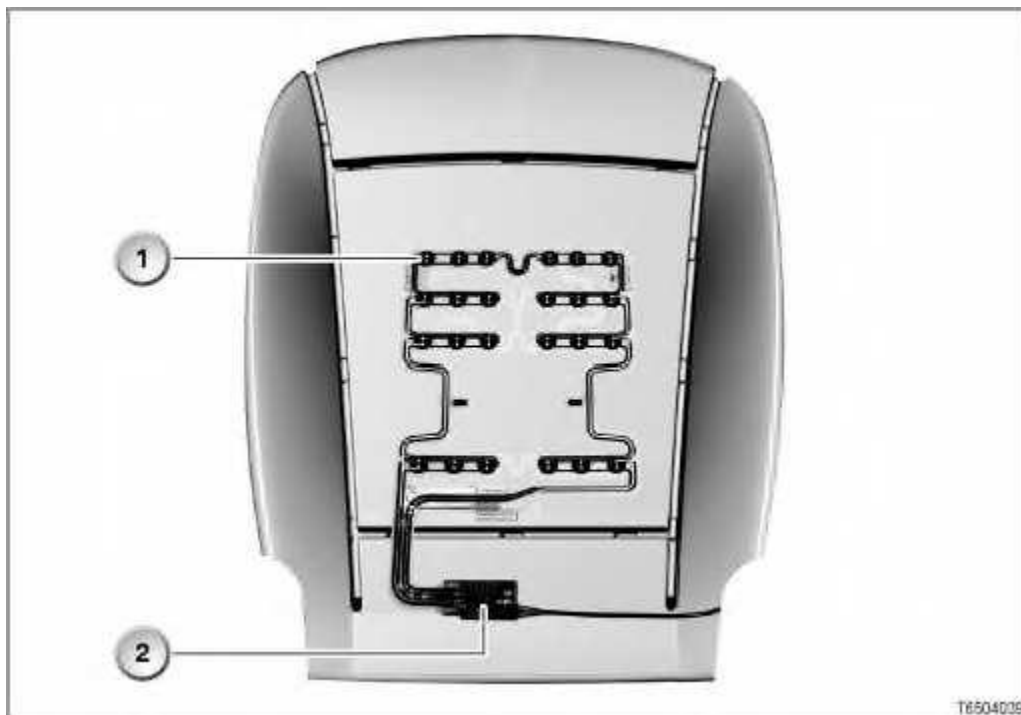


BMW TIS - Passenger seat occupancy detector E60, E61, E63, E64, E85 Installation location Item Description

Passenger seat occupancy detector E60, E61, E63, E64,
E85

Installation location

The seat occupancy detector is integrated into the seat
cushion of the front-passenger seat.ne



ne Construction

The seat occupancy mat consists of conductors and
pressure sensors. The conductors are connected to the
electronic evaluation unit.ne

How it works

When a weight is placed on the seat, resistance in the seat-occupancy mat changes. The seat occupancy electronics evaluate this change in resistance ("seat occupied" or "seat unoccupied" status).

The seat is recognised as being not occupied up to a weight of approx. 12 kg. The seat occupancy detector function, however, also depends on the type of seat. For example: The material tension in a leather seat or a taut sports seat is already interpreted as pressure on the sensors. In such cases, a weight below 12 kg can trigger the "seat occupied" condition.

The following ignition circuits are influenced by the front passenger seat-occupancy detector (SBE):

- Ignition circuit for the front passenger's airbag
- Ignition circuit for the side airbag on the front passenger side