

Passenger Seat Weight Sensing System

Note: The weight sensing system does not comprise any serviceable items.

The following components are combined and calibrated during manufacture to form the seat weight sensing system:

- Passenger seat cushion.
- Silicone-filled bladder (integrated into the passenger seat cushion).
- Seat weight-sensing module (mounted under the seat).
- Pressure sensor (attached to the bladder and mounted under the seat).

The silicone-filled bladder responds to weight changes on the passenger seat. The pressure sensor responds to these pressure changes and provides an appropriate signal to the seat weight-sensing module. The seat weight-sensing module, processes the input signal received from the pressure sensor and makes it available to the restraints control module (RCM) via the controller area network (CAN). In addition, the module performs self-diagnostic functions on the system, with any malfunctions being notified to the RCM accordingly. Malfunction of the sensing system or associated circuits will cause the SRS indicator lamp to illuminate. Diagnosis of the system can only be undertaken using WDS; refer to JTIS for further information.

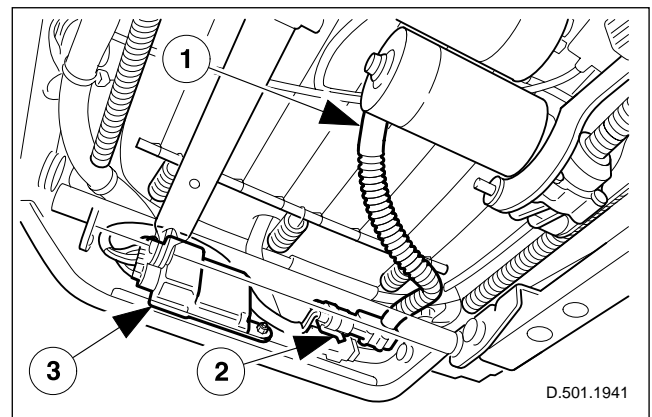


Fig. 27 Passenger seat weight-sensing system - component location

1. Hose - silicon bladder to pressure sensor
2. Pressure sensor
3. Seat weight-sensing module

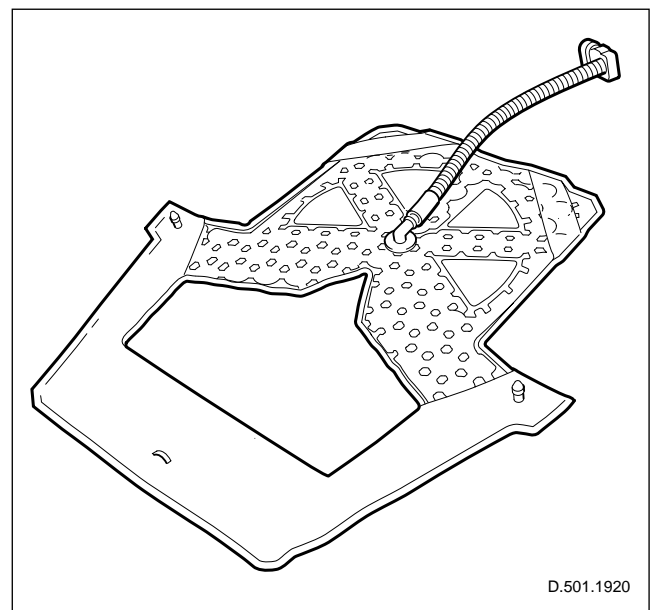


Fig. 28 Passenger seat weight-sensing system - silicon bladder