

Diagnostics Functional control

Testing for mechanical and electrical functional capacity of the seat belt tensioner is to be conducted:

- after an accident
- after deployment of the seat belt tensioner
- after removal or installation of one or both front seats
- after replacement of the seat belt automatic rollers

Test step ¹⁾ /scope of test	Test condition	Nominal value	Possible cause/remedy
⇒ 1.0 Free movement of the seat belts and/or the seat belt automatic rollers (left and right)	Pull the seat belts out slowly and with equal force and release.	The seat belt can be pulled out and is pulled back by the automatic rollers.	Bowden cable defective. Bowden cable is not connected to the seat belt. Connector, ETR/left seat plug connection (2-pole), does not have good contact. Seat latch relay is not plugged in.
⇒ 1.1	Pull the seat belts out abruptly.	Seat belts lock.	Seat belt automatic rollers defective.

¹⁾ Observe Preparation for Test, see 22.

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Test step ¹⁾ /scope of test	Test condition	Nominal value	Possible cause/remedy
⇒ 2.0 Left and right seat belt latch	Ignition: OFF Disconnect the battery ground cable. Put on the seat belts.		
	Seat belt buckle inserted into latch. Seat belt buckle not inserted into latch.	Belts are latched. Belts move freely.	Defective seat belt automatic roller. Bowden cable defective and/or not connected at the seat belt latch.
⇒ 2.1	Release the belts again. Connect the battery ground cable. Seat belt buckle inserted into latch.	Seat belts remain free moving.	Conduct diagnostics through the roll bar control unit (N53).

1) Observe Preparation for Test, see 22.