Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy [1]	
			Left SBE	**Right SBE**
⇒ 1.0 Seat belt extender (SBE) system	Open and close the doors. Ignition: **ON**	Both seat belts extend.	23 ⇒ 1.0, 2.0, 4.0, 6.0	23 ⇒ 1.0, 3.0, 5.0, 10.0
	Wait approx. 30 seconds.	Both seat belts retract.	23 ⇒ 8.0	23 ⇒ 12.0
⇒ 2.0 Seat belt buckle switch (S68/1 or S68/2)	Open and close doors. Ignition: **ON**	Both seat belts extend.	23 ⇒ 1.0, 2.0, 4.0	23 ⇒ 1.0, 3.0, 5.0
	Within 30 seconds connect seat belt latch tongue into buckle.	Both seat belts retract.	23 ⇒ 2.0	23 ⇒ 3.0
⇒ 3.0 Seat belt extender	Open and close doors. Ignition: **ON**	Both seat belts extend.	23 ⇒ 1.0	23 ⇒ 1.0
	Within 30 seconds turn ignition key to position "0".	Both seat belts retract.	SBE control module (N42)	SBE control module (N42)
⇒ 4.0 Door switch (S17/3 or S17/4)	Ignition: **ON**	Seat belts extend.	23 ⇒ 1.0, 4.0	23 ⇒ 1.0, 5.0
	Within 30 seconds open the left/right door.	Seat belts retract.		
	Close the left/right door.	Seat belts extend.		

[1]   Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy [1]	
			Left SBE	**Right SBE**
⇒ 5.0 Force limit switch (A10s3 or A11s3)	Open and close doors. Ignition: **ON**	Both seat belt extenders protract.	23 ⇒ 1.0, 7.0	23 ⇒ 1.0, 3.0
	While the seat belt is extended, apply counterforce against and hold the extender arm with the palm of your hand.	Exxtender stops and immediately retracts (this will happen a maximum of 8 times, then the system will deactivate. [2]	23 ⇒ 9.0	23 ⇒ 13.0

[1]   Observe Preparation for Test, see   22.
[2]   To repower the seat belt extender system, cycle ignition key OFF/ON.