

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy <sup>1)</sup>	
		Left SBE	Right SBE
Seat belt does not extend.	System has been deactivated <sup>2)</sup> .  Voltage supply to SBE control module (N42) Door switch (S17/3 or S17/4). Seat belt buckle switch (S68/1 or S68/2). SBE motor (A10m1 or A11m1). Extender arm “retracted” switch (A10s1 or A11s1). Force limit switch (A10s3 or A11s3).	Ignition: <b>ON/OFF</b> 23 ⇒ 1.0 23 ⇒ 4.0 23 ⇒ 2.0 23 ⇒ 6.0 23 ⇒ 7.0 23 ⇒ 9.0	Ignition: <b>ON/OFF</b> 23 ⇒ 1.0 23 ⇒ 5.0 23 ⇒ 3.0 23 ⇒ 10.0 23 ⇒ 11.0 23 ⇒ 13.0
Seat belt extends, does not retract	Voltage supply to SBE control module (N42). SBE motor (A10m1 or A11m1). Extender arm “extended” switch (A10s2 or A11s2).	23 ⇒ 1.0 23 ⇒ 6.0 23 ⇒ 8.0	23 ⇒ 1.0 23 ⇒ 10.0 23 ⇒ 12.0
Extender arm sticks or is noisy	Dirt accumulation/foreign object on extender arm.	26 ⇒ 1.0	26 ⇒ 1.0
Seat belt extender noisy (pinion)	Pinion is not properly lubricated.	26 ⇒ 2.0	26 ⇒ 2.0

SBE = Seat Belt Extender

1) Observe Preparation for Test, see 22.

2) System will deactivate if the force limit switch is engaged 8 times. To reactivate system, cycle ignition ON/OFF.