

### Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy <sup>1)</sup>
Complete seat adjustment does not function.	Left or right front ESA control module (N32/1 or N32/2) (with memory) Left or right front ESA switch group (S91 or S92) (with memory)	23 ⇒ 1.0 23 ⇒ 2.0
Seat fore/aft adjustment does not function.	Fore/aft switch (S91s1 or S92s1) Fore/aft motor (M27m1 or M28m1)	23 ⇒ 3.0 23 ⇒ 4.0, 5.0
Front power seat raise/lower adjustment does not function.	Front raise/lower switch (S91s3 or S92s3) Front raise/lower motor (M27m3 or M28m3)	23 ⇒ 6.0 23 ⇒ 7.0, 8.0
Rear power seat raise/lower adjustment does not function.	Rear raise/lower switch (S91s2 or S92s2) Rear raise/lower motor (M27m2 or M28m2)	23 ⇒ 9.0 23 ⇒ 10.0, 11.0
Backrest fore/aft adjustment does not function.	Backrest fore/aft switch (S91s5 or S92s5) Backrest fore/aft motor (M27m5 or M28m5)	23 ⇒ 12.0 23 ⇒ 13.0, 14.0
Head restraint raise/lower adjustment raise/lower does not function.	Head restraint raise/lower switch (S91s4 or S92s4) Head restraint raise/lower motor (M27m4 or M28m4)	23 ⇒ 15.0 23 ⇒ 16.0, 17.0
Switch illumination does not function.	Left or right front ESA switch group (S91 or S92) (with memory) illumination	23 ⇒ 20.0

<sup>1)</sup> Observe Preparation for Test, see 22.

### Diagnosis – Complaint Related Diagnostic Chart

#### Survey of Recallable Test Functions

Complaint/Problem	Possible cause	Test step/Remedy <sup>1)</sup>
Convenience feature does not function or has faulty functions.	Head restraint pre-adjustment Left or right front ESA control module (N32/1 or N32/2) (with memory) Head restraint raise/lower motor (M27m4 or M28m4) Seat fore/aft motor (M27m1 or M28m1)	23 ⇒ 1.0  23 ⇒ 16.0, 17.0 23 ⇒ 4.0, 5.0
Seat position (memory) does not function.	Left or right front ESA switch group (S91 or S92) (position memory) Left or right front ESA switch group (S91 or S92) CAN L/CAN H dataline Combination control module (N10-1)	23 ⇒ 18.0, 19.0 23 ⇒ 2.0 23 ⇒ 21.0 – 25.0 D.M., Body and Accessories, Volume 1, 2.1, 23 ⇒ 2.0, 3.0
Seat adjustment does not function with left or right front door open and <b>without</b> ignition key: ON	Left or right front door switches (S17/3, S17/4)  CAN L/CAN H dataline Combination control module (N10-1) PSE controlmodule (A37) (combined functions)	D.M., Body and Accessories, Volume 1, 3.3, 23 ⇒ 2.0, 3.0 23 ⇒ 21.0 – 25.0
Left front power seat fore/aft adjustment, rear power seat raise/lower and fore/aft adjustment operate opposite of normal function.	Programming of left or right front ESA control module (N32/1 or N32/2)  Programming of combination control module (N10-1)  Steering column in/out switch (S91s12)	Seat adjustment motor supplier “Brose“, “Hammerstein“ programmed in error into N32/1. Left hand driver/right hand drive programmed in error. D.M., Body and Accessories, Volume 3, 12.4b, 23 ⇒ 17.0

<sup>1)</sup> Observe Preparation for Test, see 22.