

Diagnosis – Function Test (Orthopedic Seat Backrest)

A. Multi-contour backrest

Preparation for Test:

1. Check fuses F1–14, F1–22, F4–3, F4–5 ok,
2. Battery voltage 11 – 14 V.
3. Ignition: **ON**

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 1.0 Changing backrest contour in X-direction (intensity of lower and upper air cushion).	Turn pressure adjuster for upper or lower air cushion slowly from minimum to maximum at least 5 times.	Backrest must change shape noticeably in lumbar support area.	<p>Backrest does not change shape and pump motor in PSE control module (A37) <b>does not run</b>.                      23 PSE ⇒ 1.0– 8.0,                      2.1 23 PSE ⇒ 1.0– 3.0,                      Combination control module (N10-1).                      PSE control module (A37).</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>.                      32 ⇒ 1.0– 2.0,                      33 PSE ⇒ 3.0</p>

1) Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy <sup>1)</sup>
⇒ 2.0 Changing backrest contour side bolster.	Use side bolster rocker switch to change pressure from minimum to maximum 5 times.	Backrest must change shape noticeably in lumbar support area.	<p>Backrest does not change shape and pump motor in PSE control module (A37) <b>does not run</b>.                      23 PSE ⇒ 1.0– 8.0,                      2.1 23 PSE ⇒ 1.0– 3.0,                      Combination control module (N10-1).                      PSE control module (A37).</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>.                      32 ⇒ 3.0,                      33 PSE ⇒ 3.0</p>
⇒ 3.0 Changing seat bottom cushion length.	Turn pressure adjuster for seat bottom cushion from minimum to maximum 5 times.	Seat cushion length must change noticeably.	<p>Backrest does not change shape and pump motor in PSE control module (A37) <b>does not run</b>.                      23 PSE ⇒ 1.0– 8.0,                      2.0 23 PSE ⇒ 1.0– 3.0,                      N10-1,                      A37</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>.                      32 ⇒ 4.0,                      33 PSE ⇒ 3.0</p>

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