

Diagnosis – Function Test (Orthopedic Seat Backrest)

A. Multi-contour backrest

Preparation for Test:

1. Battery voltage 11 – 14 V,
2. Check fuses ok,
3. Voltage to control modules and CAN data lines ok,
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>. PSE version coding incorrect, PSE (A37).</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>. 32 PSE/OSB ⇒ 1.0, 32 PSE/OSB ⇒ 2.0, 32 PSE ⇒ 7.0</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>
<p>⇒ 2.0 Changing backrest contour side bolster.</p>	<p>Use side bolster rocker switch to change pressure from minimum to maximum 5 times.</p>	<p>Backrest must change shape noticeably in lumbar support area.</p>	<p>Backrest does not change shape and pump motor in PSE control module (A37) <b>does not run</b>. PSE version coding incorrect, PSE (A37).</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>. 32 PSE/OSB ⇒ 3.0, 32 PSE ⇒ 7.0</p>
<p>⇒ 3.0 Changing seat bottom cushion length.</p>	<p>Turn pressure adjuster for seat bottom cushion from minimum to maximum 5 times.</p>	<p>Seat cushion length must change noticeably.</p>	<p>Backrest does not change shape and pump motor in PSE control module (A37) <b>does not run</b>. PSE version coding incorrect, PSE (A37).</p> <p>Backrest does not change shape even though pump motor in PSE control module (A37/5) <b>runs</b>. 32 PSE/OSB ⇒ 4.0, 32 PSE ⇒ 7.0</p>

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