

Diagnosis – Function Test (Central Locking)

Preparation for Test:

1. IR transmitter for central locking (CL) ok,
2. Fuses for PSE system and PSE control module ok,
3. Battery voltage 11 to 14 V.
4. Vehicle unlocked.
5. All doors and trunk lid closed.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Locking vehicle by pointing IR transmitter at the RCL receiver (interior rearview mirror) (A26/7) or RCL receiver (roof frame) (A26/9).	Locking vehicle using IR transmitter.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37) does not run.</p> <p>23 PSE ⇒ 1.0– 8.0, 2.1 23 PSE ⇒ 1.0– 3.0, 4.5 11 ⇒ 1.0, 4.7 11 ⇒ 1.0, Combination control module (N10-1 or N10-3).</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37) runs.</p> <p>32 ⇒ 2.0, 23 PSE ⇒ 1.0</p>

¹⁾ Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 2.0 Unlock vehicle by pointing IR transmitter at the RCL receiver (interior rearview mirror) (A26/7) or RCL receiver (roof frame) (A26/9).	Unlocking vehicle using IR transmitter.	All doors, trunk lid and filler flap unlock in 3 sec.	<p>Vehicle does not unlock and pump motor in PSE control module (A37) does not run.</p> <p>23 PSE ⇒ 1.0– 8.0, 2.1 23 PSE ⇒ 1.0– 3.0, 4.5 11 ⇒ 2.0, 4.7 11 ⇒ 2.0, Combination control module (N10-1 or N10-3).</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37) runs.</p> <p>32 ⇒ 1.0, 33 PSE ⇒ 2.0</p>
⇒ 3.0 Locking vehicle via interior CL switch	Front doors closed. Vehicle unlocked via IR transmitter. Press interior CL switch in direction lock.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37) does not run.</p> <p>Pneumatic lines, 23 ⇒ 1.0</p> <p>Vehicle does not lock even though pump motor in PSE control module (A37) runs.</p> <p>32 ⇒ 2.0, 33 PSE ⇒ 1.0</p>

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 4.0 Unlock vehicle via interior CL switch	Front doors closed. Press interior CL switch in direction unlock.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37) does not run . Pneumatic lines, 23 ⇒ 1.0 Vehicle does not unlock even though pump motor in PSE control module (A37) runs . 32 ⇒ 1.0, 33 PSE ⇒ 2.0
⇒ 5.0 Unlocking vehicle by opening one of the front doors.	Vehicle is locked via interior CL switch. Opening front door via door handle in interior door panel.	All doors, trunk lid and filler flap unlock in 3 sec.	Vehicle does not unlock and pump motor in PSE control module (A37) does not run . 23 ⇒ 2.0, 3.0 Vehicle does not lock even though pump motor in PSE control module (A37) runs . 32 ⇒ 1.0, 33 PSE ⇒ 2.0

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
<p>⇒ 6.0 Unlock vehicle via left front door lock switch (S86/1) or trunk lid lock switch (S88/2).</p>	<p>Turn key in lock to the right.</p>	<p>All doors, trunk lid and filler flap unlock in 3 sec.</p>	<p>Vehicle does not unlock and pump motor in PSE control module (A37) does not run. Pneumatic lines, 4.5 23 ⇒ 32.0–33.0, 4.7 23 ⇒ 11.0–12.0, 23 PSE ⇒ 1.0–8.0, 2.1 23 ⇒ 1.0–3.0, IR DAS control module (N54/1), Combination control module (N10-1 or N10-3), PSE control module (A37).</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37) runs. 32 ⇒ 1.0, 33 PSE ⇒ 2.0</p>

¹⁾ Observe Preparation for Test, see 22.

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Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 7.0 Locking vehicle via left front door lock switch (S86/1) or trunk lid lock switch (S88/2).	Turn key in lock to the left.	All doors, trunk lid and filler flap lock in 3 sec.	<p>Vehicle does not lock and pump motor in PSE control module (A37) does not run.</p> <p>Pneumatic lines, 4.5 23 ⇒ 32.0–33.0, 4.7 23 ⇒ 11.0–12.0, 23 PSE ⇒ 1.0–8.0, 2.1 23 ⇒ 1.0–3.0, IR DAS control module (N54/1), Combination control module (N10-1 or N10-3), PSE control module (A37).</p> <p>Vehicle does not unlock even though pump motor in PSE control module (A37) runs.</p> <p>32 ⇒ 2.0, 33 PSE ⇒ 1.0</p>

¹⁾ Observe Preparation for Test, see 22.