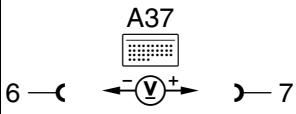


3.1 Pneumatic System Equipment (PSE)

Model 140

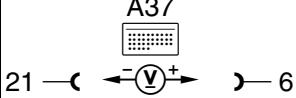
Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 1.0	I0 I4 Interior central locking switch (S85)		Front doors closed, vehicle unlocked from outside. S85: Rest position Press to lock Press to unlock	CL: locks CL: unlocks	Wiring, ⇒ 1.1, PSE control module (A37 or A37/1). Wiring, ⇒ 1.1, A37 or A37/1.
⇒ 1.1	Interior central locking switch (S85)		Disconnect PSE control module (A37 or A37/1) from  S85: Rest position Press and hold to lock:	<1 V 11 – 14 V	Wiring, S85. Wiring, S85.

3.1 Pneumatic System Equipment (PSE)

Model 140

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ [1.1]			Rest position Press and hold to unlock	<1 V 11 – 14 V	Wiring, S85. Wiring, S85.
⇒ 2.0 ¹⁾	1 8 12 13 Right front door lock switch circuit (convenience, S87/1)		Turn key to right, Unlock Turn key to left, locking	CL: unlocks CL: locks	Wiring, ⇒ 2.1, PSE control module (A37 or A37/1). Wiring, ⇒ 2.2, A37 or A37/1.

¹⁾ Except vehicles as of 12/93.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 2.1	S87/1		<p>Disconnect PSE control module (A37 or A37/1) from S87/1:</p> <p>Rest position</p> <p>Hold to unlock</p>	<p>>20 kΩ</p> <p><40 Ω</p>	<p>Wiring, S87/1.</p> <p>Wiring, S87/1.</p>
⇒ 2.2	S87/1		<p>Rest position</p> <p>Hold to lock</p>	<p>>20 kΩ</p> <p><60 Ω</p>	<p>Wiring, S87/1.</p> <p>Wiring, S87/1.</p>

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.0 ¹⁾ 7 8 12 13	Trunk lid lock switch circuit (convenience, S88/2)		<p>Turn key to left, Hold to unlock</p> <p>Turn key to right, Hold to lock</p>	<p>CL: unlocks</p> <p>CL: locks</p>	<p>Wiring, ⇒ 3.1, ⇒ 4.1, PSE control module (A37 or A37/1).</p> <p>Wiring, ⇒ 3.2, ⇒ 4.2, A37 or A37/1.</p>
⇒ 3.1	S88/2		<p>Disconnect PSE control module (A37 or A37/1) from []</p> <p>Separate plug connection, left front door (X35/1).</p> <p>S88/2: Rest position</p> <p>Hold to unlock</p>	<p>>20 kΩ</p> <p><40 Ω</p>	<p>Wiring, S88/2.</p> <p>Wiring, S88/2.</p>

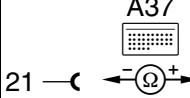
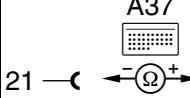
¹⁾ Except vehicles as of 12/93.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 3.2	S88/2		Rest position Hold to Lock	>20 kΩ <60 Ω	Wiring, S88/2. Wiring, S88/2.
⇒ 4.0 ¹⁾	1 2 3 4 5 6 7 8 9 10 11 12 13	Left front door lock switch circuit (convenience, S86/1)	Turn key to left, Hold to unlock Turn key to right, Hold to Lock	CL: unlocks CL: locks	Wiring, ⇒ 3.1, ⇒ 4.1, PSE control module (A37 or A37/1). Wiring, ⇒ 3.2, ⇒ 4.2, A37 or A37/1.

¹⁾ Except vehicles as of 12/93.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 4.1	S86/1		<p>Disconnect PSE control module (A37 or A37/1) from </p> <p>S86/1: Rest position</p> <p>Hold to unlock</p>	<p>>20 kΩ</p> <p><40 Ω</p>	<p>Wiring, S86/1, ⇒ 3.1.</p> <p>Wiring, S86/1, ⇒ 3.1.</p>
⇒ 4.2	S86/1		<p>Rest position</p> <p>Hold to lock</p>	<p>>20 kΩ</p> <p><60 Ω</p>	<p>Wiring, S86/1.</p> <p>Wiring, S86/1.</p>

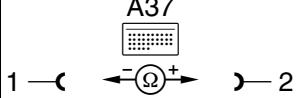
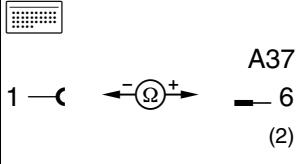
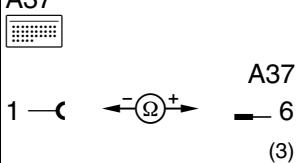
Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.0	Left front door switch circuit (S17/3) Right front door switch circuit (S17/4)	A37 21 —<  +—> 3	Pull out fuses F3-17, F4-11. Close all doors. Open and close front doors alternately. Both doors closed One door open	11 – 14 V <1 V	Wiring, ⇒ 5.1, ⇒ 5.2, PSE control module (A37 or A37/1). Wiring, ⇒ 5.1, ⇒ 5.2, A37 or A37/1.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 5.1	S17/3	<p>21 — 3</p>	<p>Disconnect PSE control module (A37 or A37/1) from .</p> <p>Disconnect right front door switch (S17/4).</p> <p>Close all doors.</p> <p>Open left front door</p> <p>Close left front door</p>	<p><40 Ω</p> <p>>20 kΩ</p>	<p>Wiring, S17/3.</p> <p>Wiring, S17/3.</p>
⇒ 5.2	S17/4	<p>21 — 3</p>	<p>Disconnect PSE control module (A37 or A37/1) from .</p> <p>Disconnect left front door switch (S17/3).</p> <p>Close all doors.</p> <p>Open right front door</p> <p>Close right front door</p>	<p><40 Ω</p> <p>>20 kΩ</p>	<p>Wiring, S17/4.</p> <p>Wiring, S17/4.</p>

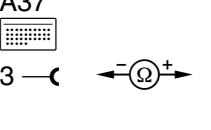
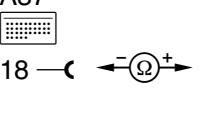
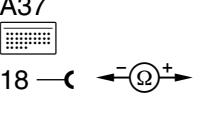
Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 6.0	PSE control module (A37 or A37/1) Lock switch circuit 1 Internal connections	  	Pull out fuse F4-11 Connector 2 unplugged on A37 or A37/1. Connector 3 unplugged on A37 or A37/1.	<1 Ω <1 Ω <1 Ω	A37 or A37/1. A37 or A37/1. A37 or A37/1.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 7.0	PSE control module (A37 or A37/1) Lock switch circuit 2 Internal connections		Pull out fuse F4-11. Connector 2 unplugged on A37 or A37/1. Connector 3 unplugged on A37 or A37/1.	<1 Ω <1 Ω <1 Ω	A37 or A37/1. A37 or A37/1. A37 or A37/1.

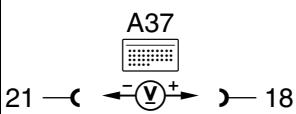
Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 8.0	PSE control module (A37 or A37/1) Front door contact Internal connections	A37  3 — G — Ω — + — 5 (2)	Pull out fuse F4-11. Connector 2 unplugged on A37 or A37/1.	<1 Ω	A37 or A37/1.
⇒ 9.0	Trunk lid latch Internal connections	A37  18 — G — Ω — + — 3 (2)	Pull out fuse F4-11. Connector 2 unplugged on A37 or A37/1.	<1 Ω	A37 or A37/1.
		A37  18 — G — Ω — + — 5 (3)	Connector 3 unplugged on A37 or A37/1.	<1 Ω	A37 or A37/1.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ 10.0	Convenience feature (CF) control module (N57) Input from lock mechanism switch		Reconnect N57. Trunk lid: Turn key to left. Turn key to right.	CL: unlocks CL: locks	Wiring, N57. Wiring, N57.
⇒ 11.0	Infrared remote central locking (IRCL) control module (N54), central locking function Input from lock switch circuit, warning buzzer, trunk lid latch.		Reconnect N54. Right front door: Turn key to left. Turn key to right.	CL: locks CL: unlocks	Wiring, N54. Wiring, N54.

Electrical Test Program – Test (CL)

Test step DTC	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
⇒ [11.0]			Disconnect left and right tail lamp connectors. Trunk lid: Closed Open	>5 V <1 V	Wiring, N54. Wiring, N54.
⇒ 12.0	Anti-theft alarm (ATA) control module (N26) Input from lock switch circuit front door contact, rear door contact, trunk lid latch.		Reconnect N26. Carry out function test of ATA (refer to Diagnostic Manual, Body and Accessories, Volume 2, Section 13.2).		Wiring, N26.