

# DOOR LOCK CONTROL SYSTEM

Security and Locks

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## 2. Door Lock Control System S909348

### A: SCHEMATIC S909348A21

#### 1. DOOR LOCK WITHOUT KEYLESS ENTRY S909348A2101

<Ref. to WI-82, WITHOUT KEYLESS ENTRY MODEL, SCHEMATIC, Door Lock System.>

#### 2. DOOR LOCK WITH KEYLESS ENTRY S909348A2102

<Ref. to WI-83, WITH KEYLESS ENTRY MODEL, SCHEMATIC, Door Lock System.>

## B: INSPECTION S909348A10

### 1. SYMPTOM CHART S909348A1001

Symptom	Repair order	Reference
Door lock control system does not operate.	1. Check the fuse.	<Ref. to SL-9, CHECK FUSE, INSPECTION, Door Lock Control System.>
	2. Check the power supply and ground circuit for the door lock timer (without keyless entry) or keyless entry control module (with keyless entry).	<Ref. to SL-9, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Door Lock Control System.>
	3. Check the door lock switch and the circuit.	<Ref. to SL-10, CHECK DOOR LOCK SWITCH AND CIRCUIT, INSPECTION, Door Lock Control System.>
	4. Check the door lock actuator and the circuit.	<Ref. to SL-11, CHECK DOOR LOCK ACTUATOR AND CIRCUIT, INSPECTION, Door Lock Control System.>
Driver side or passenger side door lock switch does not operate.	Check the door lock switch and the circuit.	<Ref. to SL-10, CHECK DOOR LOCK SWITCH AND CIRCUIT, INSPECTION, Door Lock Control System.>
A specific door lock actuator does not operate.	Check the door lock actuator and the circuit.	<Ref. to SL-11, CHECK DOOR LOCK ACTUATOR AND CIRCUIT, INSPECTION, Door Lock Control System.>

### 2. CHECK FUSE S909348A1002

No.	Step	Check	Yes	No
1	<b>CHECK FUSE.</b> Remove and visually check fuse No. 3 (in the fuse and relay box).	Is the fuse blown (15A)?	Replace the fuse with a new one.	Check power supply and ground circuit. <Ref. to SL-9, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Door Lock Control System.>

### 3. CHECK POWER SUPPLY AND GROUND CIRCUIT S909348A1003

No.	Step	Check	Yes	No
1	<b>CHECK POWER SUPPLY.</b> 1) Disconnect the door lock timer or keyless entry control module harness connector. 2) Measure the voltage between the harness connector terminal and chassis ground. <b>Connector &amp; terminal</b> <b>Without keyless entry:</b> <b>(B92) No. 4 (+) — Chassis ground (-):</b> <b>With keyless entry:</b> <b>(B176) No. 3 (+) — Chassis ground (-):</b>	Is the voltage more than 10 V?	Go to step 2.	Check the harness for open circuits or shorts between the door lock timer or keyless entry control module and the fuse.

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No.	Step	Check	Yes	No
2	<b>CHECK GROUND CIRCUIT.</b> Measure the resistance between the harness connector terminal and chassis ground. <b>Connector &amp; terminal</b> <i>Without keyless entry:</i> (B92) No. 8 (+) — Chassis ground (-): <i>With keyless entry:</i> (B176) No. 8 (+) — Chassis ground (-):	Is the resistance less than 10 Ω?	Power supply and ground circuit are OK.	Repair harness.

## 4. CHECK DOOR LOCK SWITCH AND CIRCUIT

S909348A1004

No.	Step	Check	Yes	No
1	<b>CHECK DOOR LOCK SWITCH CIRCUIT.</b> 1) Disconnect the door lock timer or keyless entry control module harness connector. 2) Measure the resistance between the harness connector terminal and chassis ground when moving the door lock switch to LOCK. <b>Connector &amp; terminal</b> <i>Without keyless entry:</i> (B92) No. 1 (+) — Chassis ground (-): <i>With keyless entry:</i> (B176) No. 5 (+) — Chassis ground (-):	Is the resistance less than 10 Ω?	Go to step 2.	Go to step 3.
2	<b>CHECK DOOR LOCK SWITCH CIRCUIT.</b> Measure the resistance between the harness connector terminal and chassis ground when the door lock switch is moved to UNLOCK. <b>Connector &amp; terminal</b> <i>Without keyless entry:</i> (B92) No. 7 — Chassis ground: <i>With keyless entry:</i> (B176) No. 15 (+) — Chassis ground (-):	Is the resistance less than 10 Ω?	The door lock switch is OK.	Go to step 3.
3	<b>CHECK DOOR LOCK SWITCH.</b> 1) Disconnect the door lock switch harness connector. 2) Measure the resistance between the door lock switch terminals when moving the door lock switch to LOCK. <b>Terminal</b> Driver side No. 1 — No. 2: Passenger side No. 2 — No. 5:	Is the resistance less than 1 Ω?	Go to step 4.	Replace the door lock switch.
4	<b>CHECK DOOR LOCK SWITCH.</b> Measure the resistance between the door lock switch terminals when moving the door lock switch to UNLOCK. <b>Terminal</b> Driver side No. 1 — No. 6: Passenger side No. 1 — No. 5:	Is the resistance less than 1 Ω?	Check the harness for open circuits or shorts between the door lock timer or keyless entry control module and the door lock switch.	Replace the door lock switch.

## 5. CHECK DOOR LOCK ACTUATOR AND CIRCUIT

S909348A1005

No.	Step	Check	Yes	No
1	<p><b>CHECK OUTPUT SIGNAL.</b> Measure the voltage between the harness connector terminal and chassis ground when moving the door lock switch to LOCK.</p> <p><b>Connector &amp; terminal</b> <b>Without keyless entry:</b> <b>(B92) No. 3 — Chassis ground:</b> <b>With keyless entry:</b> <b>(B176) No. 2 (+) — Chassis ground (-):</b></p>	Is the voltage more than 10 V?	Go to step 2.	Replace the door lock timer or keyless entry control module.
2	<p><b>CHECK OUTPUT SIGNAL.</b> Measure the voltage between the harness connector terminal and chassis ground when moving the door lock switch to UNLOCK.</p> <p><b>Connector &amp; terminal</b> <b>Without keyless entry:</b> <b>(B92) No. 2 — Chassis ground:</b> <b>With keyless entry:</b> <b>(B176) No. 1, No. 9 (+) — Chassis ground (-):</b></p>	Is the voltage more than 10 V?	Go to step 3.	Replace the door lock timer or keyless entry control module.
3	<p><b>CHECK DOOR LOCK ACTUATOR.</b> Check the door lock actuator. Front door lock actuator: &lt;Ref. to SL-30, Front Door Lock Actuator.&gt; Rear door lock actuator: &lt;Ref. to SL-34, Rear Door Lock Actuator.&gt; Rear gate latch lock actuator: &lt;Ref. to SL-37, Rear Gate Latch Lock Actuator.&gt;</p>	Is the door lock actuator OK?	Check the harness for open circuits or shorts between the door lock timer or keyless entry control module and the door lock actuator.	Replace the door lock actuator.