2. Door Lock Control System

A: SCHEMATIC

1. DOOR LOCK CONTROL

<Ref. to WI-67, SCHEMATIC, Door Lock System.>

B: INSPECTION

1. SYMPTOM CHART

Symptom	Repair order	Reference
The 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 integrated module.	<Ref. to SL-10, 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.>
The 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

Step		Check	Yes	No
1	**CHECK FUSE.** Remove and visually check the fuse No. 2 (in the main fuse box) and No. 3 (in the fuse and relay box). Is the fuse blown ?	The fuse is not blown.	Check the power supply and ground circuit. <Ref. to SL-10, CHECK POWER SUPPLY AND GROUND CIRCUIT, INSPECTION, Door Lock Control System.>	Replace the fuse with a new one.

3. CHECK POWER SUPPLY AND GROUND CIRCUIT

	Step	Check	Yes	No
1	**CHECK POWER SUPPLY.** 1)Disconnect the integrated module harness connector. 2)Measure the voltage between the harness connector terminal and chassis ground. ***Connector & terminal*** ***(B281) No. 1 (+) — Chassis ground (–):*** ***(B281) No. 2 (+) — Chassis ground (–):*** Is the measured value more than the specified value?	10 V	Go to step **2.**	Check the harness for open circuits or shorts between the integrated module and the fuse.
2	**CHECK GROUND CIRCUIT.** Measure the resistance between the harness connector terminal and chassis ground. ***Connector & terminal*** ***(B281) No. 4, 13 — Chassis ground:*** Is the measured value less than the specified value?	10 Ω	The power supply and ground circuit is OK.	Repair the harness.

4. CHECK DOOR LOCK SWITCH AND CIRCUIT

	Step	Check	Yes	No
1	**CHECK DOOR LOCK SWITCH CIRCUIT.** 1)Disconnect the integrated module harness connector. 2)Measure the resistance between the harness connector terminal and chassis ground when moving the door lock switch to LOCK. ***Connector & terminal*** ***Driver side:*** ***(B280) No. 12 — Chassis ground:*** ***Passenger side:*** ***(B280) No. 12 — Chassis ground:*** Is the measured value less than the specified value?	10 Ω	Go to step **2.**	Go to step **3.**
2	**CHECK DOOR LOCK SWITCH CIRCUIT.** Measure the resistance between the harness connector terminal and chassis ground when the door lock switch is moved to UNLOCK. ***Connector & terminal*** ***Driver side:*** ***(B280) No. 11 — Chassis ground:*** ***Passenger side:*** ***(B280) No. 11 — Chassis ground:*** Is the measured value less than the specified value?	10 Ω	Go to step **3.**	The door lock switch is OK.
3	**CHECK DOOR LOCK SWITCH.** 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. ***Terminal*** ***Driver side: No. 5 — No. 9:*** ***Passenger side: No. 5 — No. 4:*** Is the measured value less than the specified value?	1 Ω	Go to step **4.**	Replace the door lock switch.

	Step	Check	Yes	No
4	**CHECK DOOR LOCK SWITCH.** Measure the resistance between the door lock switch terminals when moving the door lock switch to UNLOCK. ***Terminal*** ***Driver side: No. 5 — No. 8:*** ***Passenger side: No. 5 — No. 2:*** Is the measured value less than the specified value?	1 Ω	Check the harness for open circuits or shorts between the integrated module and the door lock switch.	Replace the door lock switch.

5. CHECK DOOR LOCK ACTUATOR AND CIRCUIT

	Step	Check	Yes	No
1	**CHECK OUTPUT SIGNAL.** Measure the voltage between the harness connector terminal and chassis ground when moving the door lock switch to LOCK. ***Connector & terminal*** ***(B281) No. 6 (+) — Chassis ground (–):*** Is the measured value more than the specified value?	10 V	Go to step **2.**	Replace the integrated module.
2	**CHECK OUTPUT SIGNAL.** Measure the voltage between the harness connector terminal and chassis ground when moving the door lock switch to UNLOCK. ***Connector & terminal*** ***(B291) No. 7, 8 (+) — Chassis ground (–):*** Is the measured value more than the specified value?	10 V	Go to step **3.**	Replace the integrated module.
3	**CHECK DOOR LOCK ACTUATOR.** Check the door lock actuator. Front door lock actuator: <Ref. to SL-35, Front Door Lock Actuator.> Rear door lock actuator: <Ref. to SL-39, Rear Door Lock Actuator.> Rear gate latch lock actuator: <Ref. to SL-42, Rear Gate Latch Lock Actuator.> Is the door lock actuator OK?	The door lock actuator is OK.	Check the harness for open circuits or shorts between the integrated module and the door lock actuator.	Replace the door lock actuator.