

3. Seat Belt Warning System

A: WIRING DIAGRAM

<Ref. to WI-112, WIRING DIAGRAM, Seat Belt Warning System.>

B: INSPECTION

TROUBLE SYMPTOM:

- Seat belt warning light does illuminate or it remains illuminating.
- Buzzer does not beep.

Step	Check	Yes	No
1 CHECK BODY INTEGRATED UNIT POWER SUPPLY. 1) Turn the ignition switch to ON. 2) Measure the voltage between body integrated unit connector and chassis ground. <i>Connector & terminal (B281) No. 19 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 2.	Check the harness between body integrated unit and battery.
2 CHECK HARNESS BETWEEN BODY INTEGRATED UNIT AND CHASSIS GROUND. 1) Turn the ignition switch to OFF. 2) Disconnect the connector from body integrated unit. 3) Measure the resistance between body integrated unit harness connector and chassis ground. <i>Connector & terminal (B280) No. 13 — Chassis ground:</i>	Is the resistance less than 10Ω ?	Go to step 3.	Check the harness between body integrated unit and chassis ground.
3 CHECK SEAT BELT SWITCH AND HARNESS. 1) Pull out the tongue plate from the driver's seat belt buckle. 2) Measure the resistance between body integrated unit harness connector and chassis ground. <i>Connector & terminal (B281) No. 3 — Chassis ground:</i>	Is the resistance $1\ M\Omega$ or more?	Go to step 4.	Check the harness between body integrated unit connector and chassis ground.
4 CHECK SEAT BELT SWITCH AND HARNESS. 1) Insert the tongue plate to the driver's seat belt buckle in the condition of step 3. 2) Measure the resistance between body integrated unit connector and chassis ground. <i>Connector & terminal (B281) No. 3 — Chassis ground:</i>	Is the resistance less than 10Ω ?	Go to step 7.	Go to step 5.
5 CHECK HARNESS BETWEEN BODY INTEGRATED UNIT AND SEAT BELT SWITCH. Measure the resistance of harness between body integrated unit connector and seat belt switch. <i>Connector & terminal Without power seat (B281) No. 3 — (R8) No. 2: With power seat (B281) No. 3 — (R188) No. 8:</i>	Is the resistance less than 10Ω ?	Go to step 6.	Check the harness between body integrated unit connector and seat belt switch.

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6 CHECK HARNESS BETWEEN SEAT BELT SWITCH AND CHASSIS GROUND. Measure the resistance of harness between seat belt switch and chassis ground. <i>Connector & terminal</i> <i>Without power seat</i> <i>(R8) No. 1 — Chassis ground:</i> <i>With power seat</i> <i>(R188) No. 4 — Chassis ground:</i>	Is the resistance less than 10Ω ?	Go to step 7.	Check harness between seat belt switch and chassis ground.
7 CHECK SEAT BELT SWITCH. 1) Pull out the tongue plate from the driver's seat belt buckle. 2) Measure the resistance between seat belt switch terminals. <i>Connector & terminal</i> <i>Without power seat</i> <i>(R8) No. 1 — (R8) No. 2:</i> <i>With power seat</i> <i>(R188) No. 8 — (R188) No. 4:</i>	Is the resistance $1\text{ M}\Omega$ or more?	Go to step 8.	Replace the inner seat belt assembly.
8 CHECK SEAT BELT SWITCH. 1) Insert the tongue plate to the driver's seat belt buckle. 2) Measure the resistance between seat belt switch terminals. <i>Connector & terminal</i> <i>Without power seat</i> <i>(R8) No. 1 — (R8) No. 2:</i> <i>With power seat</i> <i>(R188) No. 8 — (R188) No. 4:</i>	Is the resistance less than 10Ω ?	Go to step 9.	Replace the inner seat belt assembly.
9 CHECK COMBINATION METER. 1) Turn the ignition switch to ON. 2) Measure the voltage between combination meter and chassis ground. <i>Connector & terminal</i> <i>(i10) No. 9 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 10.	Check wiring harness and combination meter, then repair or replace them.
10 CHECK POOR CONTACT. Check for poor contact in seat belt warning light circuit.	Is there poor contact?	Repair the poor contact.	Go to step 11.
11 CHECK THE BODY INTEGRATED UNIT. 1) Connect all connectors. 2) Turn the ignition switch to ON. 3) Pull out the tongue plate from the driver's seat belt buckle. 4) Check if the seat belt warning light illuminates.	Does the seat belt warning light illuminate?	Go to step 12.	Inspect the connector or harness. If not defective, replace the seat belt warning light bulb in the combination meter.
12 CHECK THE BODY INTEGRATED UNIT. 1) Connect all connectors. 2) Turn the ignition switch to ON. 3) Pull out the tongue plate from the driver's seat belt buckle. 4) Check if the seat belt warning light illuminates and the buzzer sounds.	Does the seat belt warning light illuminate and the buzzer sound for 6 seconds?	A temporary poor contact of connector or harness may be the cause. Check for poor contact.	Replace the body integrated unit.