

**Scan Tool Data**

S6RW0C8204006

**Data list of SDM**

Scan Tool Data	Normal Condition / Reference Value
Buck Up Volt	27.0 – 33.0 V
Battery Voltage	10 – 14 V
Driv Air Bag Ini Res	1.5 – 5.0 ohm
Pass Air Bag Ini Res	1.0 – 3.8 ohm
Driv Preten Ini Res	1.0 – 3.8 ohm
Pass Preten Ini Res	1.0 – 3.8 ohm
Driv Sidebag Ini Res	1.0 – 3.5 ohm
Pass Sidebag Ini Res	1.0 – 3.5 ohm
Driv curtain Ini Res	1.0 – 3.5 ohm
Pass curtain Ini Res	1.0 – 3.5 ohm
System ID	4ch or 8ch

**Scan Tool Data Definition**

**Buck Up Volt (V)**

This parameter indicates the capacity of the backup capacitor installed to maintain the ignition current (as much as possible) even when the power supply to SDM that ignites the inflator is shut off.

**Battery Voltage (V)**

Battery voltage is an analog input signal read by SDM.

**Driv Air Bag Ini Res (Driver air bag initiator resistance) (ohm)**

This parameter indicates the resistance of the driver air bag initiator circuit.

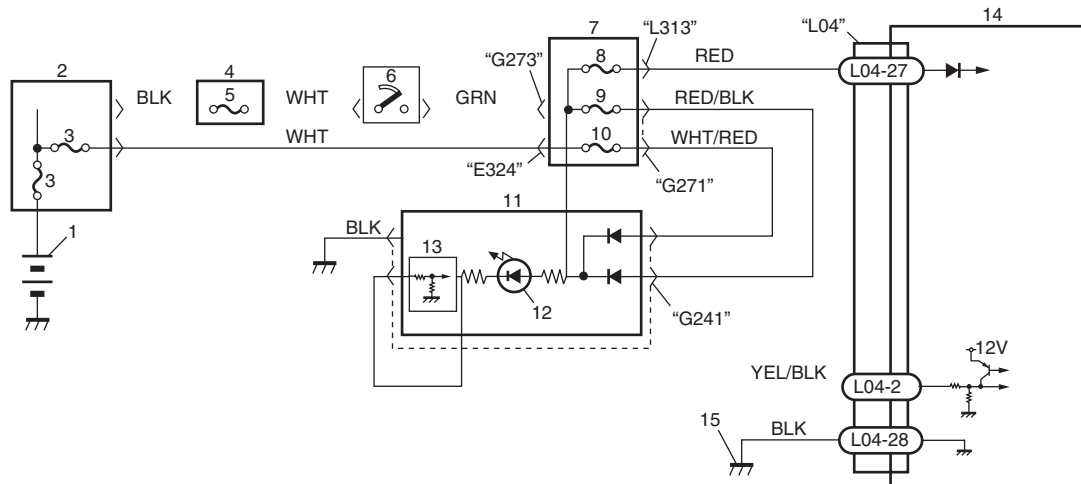
**Pass Air Bag Ini Res (Passenger air bag initiator resistance) (ohm)**

This parameter indicates the resistance of the passenger air bag initiator circuit.

**“AIR BAG” Warning Light Comes ON Steady**

**Wiring Diagram**

S6RW0C8204007



I6RW0C820005-01

1. Battery	5. "IGN" fuse	9. "METER" fuse	13. Light driver
2. Main fuse	6. Ignition switch	10. "DOME" fuse	14. SDM
3. Fuse	7. Junction block assembly	11. Combination meter	15. Ground for SDM

**Driv Preten Ini Res (Driver pretensioner initiator resistance) (ohm)**

This parameter indicates the resistance of the driver seat belt pretensioner initiator circuit.

**Pass Preten Ini Res (Passenger pretensioner initiator resistance) (ohm)**

This parameter indicates the resistance of the passenger seat belt pretensioner initiator circuit.

**Driv Sidebag Ini Res (Driver side-air bag initiator resistance) (ohm)**

This parameter indicates the resistance of the driver side-air bag initiator circuit.

**Pass Sidebag Ini Res (Passenger side-air bag initiator resistance) (ohm)**

This parameter indicates the resistance of the passenger side-air bag initiator circuit.

**Driv curtain Ini RES (Driver side curtain-air bag initiator resistance) (ohm)**

This parameter indicates the resistance of the driver side curtain-air bag initiator circuit.

**Pass curtain Ini RES (Passenger side curtain-air bag initiator resistance) (ohm)**

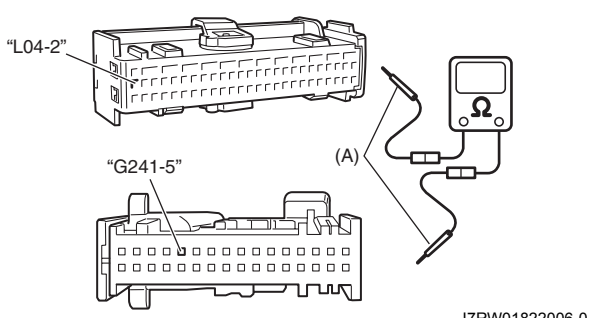
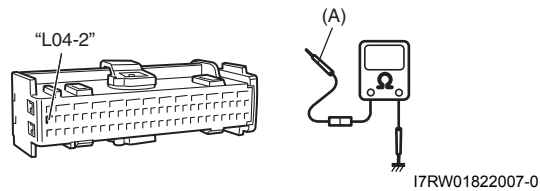
This parameter indicates the resistance of the passenger side curtain-air bag initiator circuit.

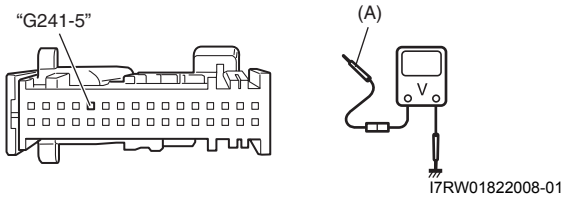
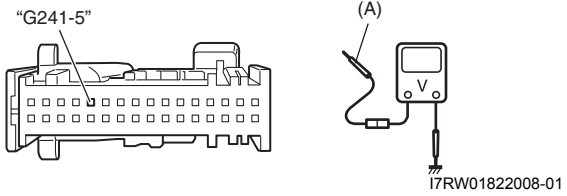
**System ID (4ch/8ch)**

This parameter indicates the number of initiator circuits.

4. Individual circuit fuse box No.1	8. "A/B" fuse	12. "AIR BAG" warning light
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### Troubleshooting

Step	Action	Yes	No
1	Was "Air Bag Diagnostic System Check Flow" performed?	Go to Step 2.	Go to "Air Bag Diagnostic System Check Flow".
2	<b>SDM power supply and ground circuit check</b> 1) Check SDM power supply and ground circuit referring to "SDM Power Supply and Ground Circuit Check". Is SDM power supply and ground circuit in good condition?	Go to Step 3.	Repair defective power supply and ground circuit.
3	<b>"AIR BAG" warning light circuit check</b> 1) Disconnect combination meter connector "G241" referring to "Combination Meter Removal and Installation in Section 9C". 2) Disconnect SDM connector "L04". 3) Check for proper connection to SDM connector at terminal "L04-2". 4) Check for proper connection to combination meter at terminal "G241-5". 5) If OK, measure resistance between "G241-5" and "L04-2" terminals.  <b>Special tool</b> <b>(A): 09932-76010</b>	Go to Step 4.	Repair "YEL/BLK" wire (between combination meter and SDM connector) for open or high resistance.
	 <p style="text-align: right;">I7RW01822006-01</p> Is measured resistance 1 Ω or less?		
4	<b>"AIR BAG" warning light circuit check</b> 1) Measure resistance between "L04-2" terminal and body ground.  <b>Special tool</b> <b>(A): 09932-76010</b>	Go to Step 5.	Repair "YEL/BLK" wire (between combination meter and SDM connector) for short to ground.
	 <p style="text-align: right;">I7RW01822007-01</p> Is measured resistance infinity?		

Step	Action	Yes	No
5	<p><b>“AIR BAG” warning light circuit check</b></p> <ol style="list-style-type: none"> <li>1) Connect SDM connector “L04” and combination meter connector “G241”.</li> <li>2) With ignition switch turned ON, measure voltage between “G241-5” terminal and body ground.</li> </ol> <p><b>Special tool</b>  <b>(A): 09932-76010</b></p>  <p><i>Is measured voltage in 8 – 12 V?</i></p>	Replace combination meter.	Go to Step 6.
6	<p><b>“AIR BAG” warning light circuit check</b></p> <ol style="list-style-type: none"> <li>1) Disconnect combination meter connector “G241”.</li> <li>2) Measure voltage between “G241-5” terminal and body ground.</li> </ol> <p><b>Special tool</b>  <b>(A): 09932-76010</b></p>  <p><i>Is measured voltage in 10 – 14 V?</i></p>	Replace combination meter.	Replace SDM.

**NOTE**

Upon completion of inspection and repair work, perform the following items.

- Reconnect all air bag system components and ensure all components are properly mounted.
- Repeat “Air Bag Diagnostic System Check” to confirm that the trouble has been corrected.