■ DIAGNOSIS

General

- If the airbag sensor assembly detects a malfunction in the SRS airbag system, the airbag sensor assembly stores the malfunction data in the memory, in addition to illuminating the SRS warning light. Then, the DTCs (Diagnostic Trouble Codes) can be accessed by connecting an intelligent tester II to DLC3 terminal, or SST (09843-18040) to Tc and CG terminals of the DLC3 and reading the blinking of the SRS warning light. For details, see the Hiace Repair Manual (Pub. No. RM1171E).
- The past DTCs of the SRS airbag system can be cleared without using an intelligent tester II.
- If the SRS airbag deploys, the airbag sensor assembly will turn on the SRS airbag warning light. However, different from the ordinary diagnosis function, a DTC will not be memorized. The airbag warning light can be turned off only by changing the airbag sensor assembly to a new one.
- The DTCs are listed below.

DTC No.		Detection Items	DTC No.		Detection Items
5-digit	2-digit		5-digit	2-digit	
B1000	31	Airbag sensor assembly malfunction	B1900	73	Short in FR P/T squib (D) circuit
B1610	13	Front airbag sensor (RH) circuit malfunction	B1901		Open in FR P/T squib (D) circuit
B1615	14	Front airbag sensor (LH) circuit malfunction	B1902		Short in FR P/T squib (D) circuit (to ground)
B1800	51	Short in D squib circuit	B1903		Short in FR P/T squib (D) circuit (to B+)
B1801		Open in D squib circuit	B1905	74	Short in FR P/T squib (P) circuit*
B1802		Short in D squib circuit (to ground)	B1906		Open in FR P/T squib (P) circuit*
B1803		Short in D squib circuit (to B+)	B1907		Short in FR P/T squib (P) circuit (to ground)*
B1805	52	Short in P squib circuit*	B1908		Short in FR P/T squib (P) circuit (to B+)*
B1806		Open in P squib circuit*	—	—	—
B1807		Short in P squib circuit (to ground)*	—	—	—
B1808		Short in P squib circuit (to B+)*	—	—	—

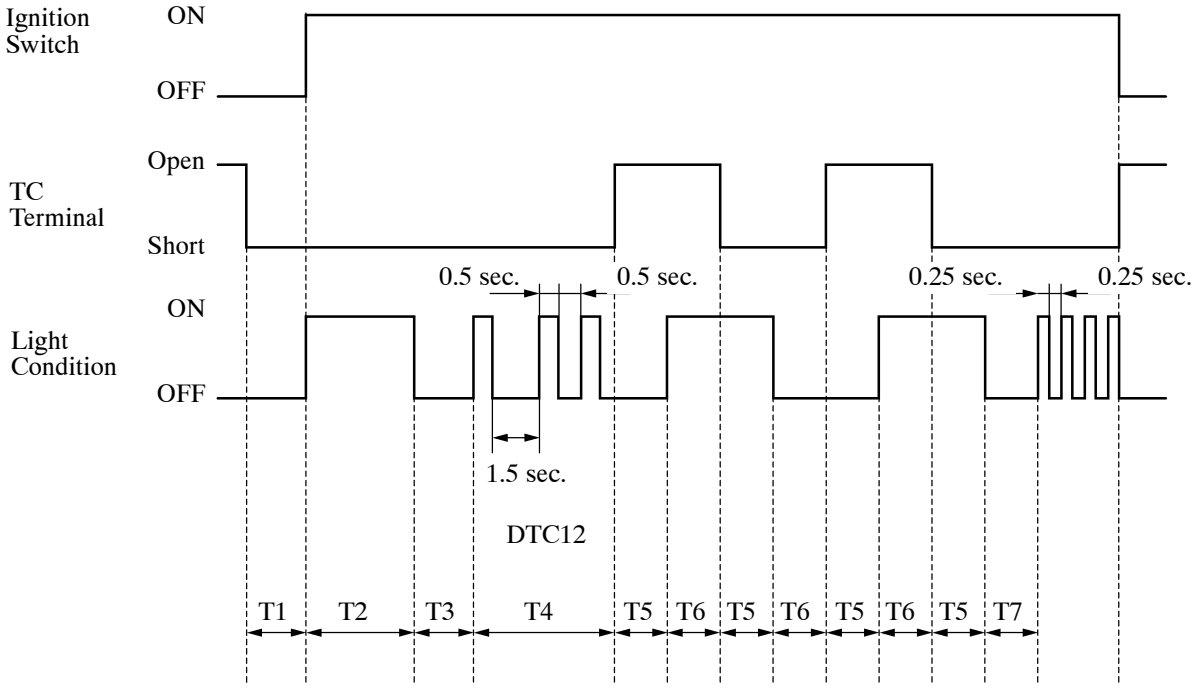
*: Only for model with driver and passenger SRS airbags

Service Tip

DTC Clearance (Without using the intelligent tester II)

The DTCs are cleared by opening and shorting Tc and CG (or ground) terminals of DLC3 in accordance with the timing chart shown below.

1) Using SST (09843-18040), connect Tc and CG terminals of DLC3.
2) Disconnect the Tc terminal of the DLC3 within 10 seconds after the DTCs appear, and check if the SRS warning light comes on within 3 seconds.
3) Within 2 to 4 seconds after the SRS warning light comes on, reconnect the Tc and CG terminals of the DLC3.
4) The SRS warning light goes off within 3 seconds after reconnecting the Tc and CG terminals of the DLC3. Then disconnect the Tc terminal of the DLC3 within 2 to 4 seconds after the SRS warning light goes off.
5) The SRS warning light comes on within 3 seconds after re-disconnecting the Tc terminal from the CG terminal of the DLC3.
6) Within 2 to 4 seconds after the SRS warning light comes on, reconnect the Tc and CG terminals of the DLC3.
7) The SRS warning light goes off 3 seconds after reconnecting the Tc and CG terminals of the DLC3.
8) A normal code appears in 1 second after the SRS warning light goes off.



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T1: 0-∞ seconds
T2: Approx. 6 seconds
T3: 3-5 seconds
T4: 3-10 seconds
T5: 2-4 seconds
T6: 1-5 seconds
T7: within 1 second

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