■DIAGNOSIS

- If the airbag sensor assembly detects a malfunction in the SRS airbag system, the airbag sensor assembly stores the malfunction data in memory, in addition to illuminating the SRS warning light. Then, the DTCs (Diagnostic Trouble Codes) can be accessed by connecting a intelligent tester II to the DLC3 terminal or the SST (09843-18040) to the Tc and CG terminals of the DLC3 and reading the blinking of the SRS warning light. For details, see the Prius Repair Manual (Pub. No. RM1076E).
- All the DTCs (Diagnostic Trouble Codes) have been made to correspond to the SAE controlled codes. Some of the DTCs have been further divided into smaller detection areas than in the past, and new DTCs have been assigned to them.
- The method for clearing (using not intelligent tester II) past DTCs of the SRS airbag system has been changed.
- 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 listed below is used.

▶ DTC Chart ◀

DTC No.	Detection Item	DTC No.	Detection Item
B1100/31	Airbag sensor assembly malfunction	B1811/53	Open in D squib (Dual stage - 2nd step) circuit
B1610/13	Front airbag sensor (RH) malfunction	B1812/53	Short in D squib (Dual stage - 2nd step) circuit (to ground)
B1615/14	Front airbag sensor (LH) malfunction	B1813/53	Short in D squib (Dual stage - 2nd step) circuit (to +B)
B1620/21	Side airbag sensor assembly (D seat side) malfunction	B1815/54	Short in P squib (Dual stage - 2nd step) circuit
B1625/22	Side airbag sensor assembly (P seat side) malfunction	B1816/54	Open in P squib (Dual stage - 2nd step) circuit
B1630/23	Curtain Shield airbag sensor (D seat side) malfunction	B1817/54	Short in P squib (Dual stage - 2nd step) circuit (to ground)
B1635/24	Curtain Shield airbag sensor (P seat side) malfunction	B1818/54	Short in P squib (Dual stage - 2nd step) circuit (to +B)
B1653/35	Seat position sensor assembly malfunction	B1820/55	Short in side squib (D seat side) circuit
B1655/37	Seat belt buckle switch (D seat side) malfunction	B1821/55	Open in side squib (D seat side) circuit
B1800/51	Short in D squib circuit	B1822/55	Short in side squib (D seat side) circuit (to ground)
B1801/51	Open in D squib circuit	B1823/55	Short in side squib (D seat side) circuit (to +B)
B1802/51	Short in D squib circuit (to ground)	B1825/56	Short in side squib (P seat side) circuit
B1803/51	Short in D squib circuit (to +B)	B1826/56	Open in side squib (P seat side) circuit
B1805/52	Short in P squib circuit	B1827/56	Short in side squib (P seat side) circuit (to ground)
B1806/52	Open in P squib circuit	B1828/56	Short in side squib (P seat side) circuit (to +B)
B1807/52	Short in P squib circuit (to ground)	B1830/57	Short in curtain shield airbag (D seat side) squib circuit
B1808/52	Short in P squib circuit (to +B)	B1831/57	Open in curtain shield airbag (D seat side) squib circuit
B1810/53	Short in D squib (Dual stage - 2nd step) circuit	B1832/57	Short in curtain shield airbag (D seat side) squib circuit (to ground)

(Continued)

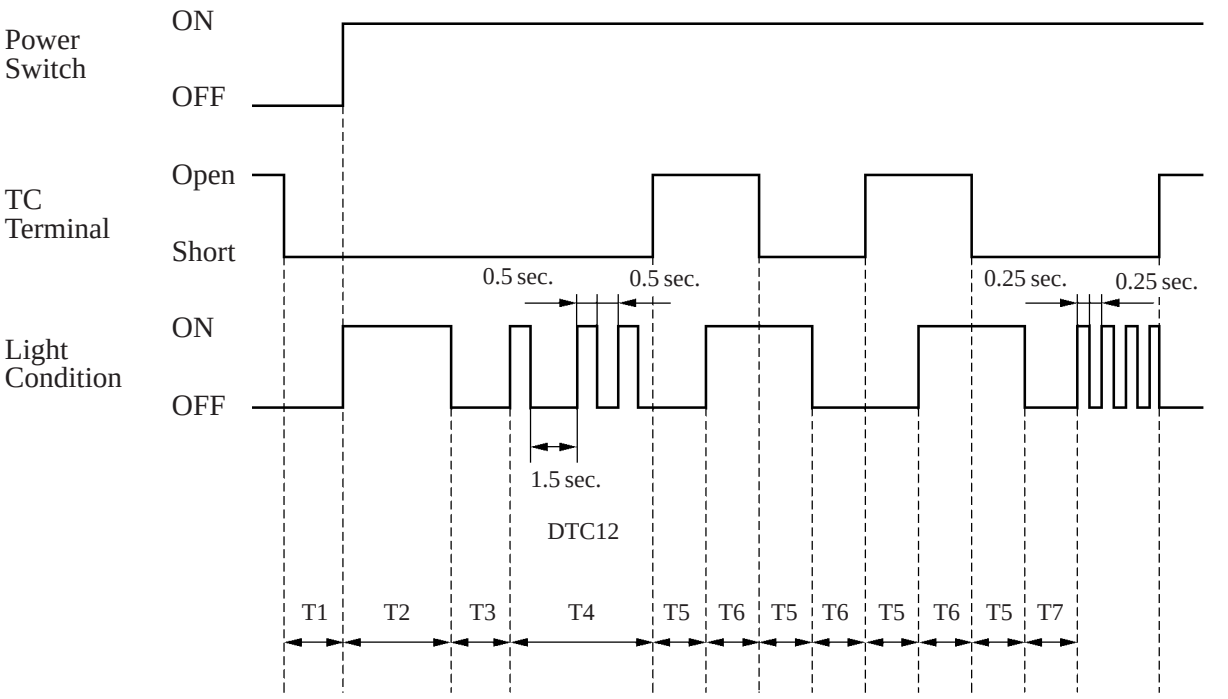
DTC No.	Detection Item	DTC No.	Detection Item
B1833/57	Short in curtain shield airbag (D seat side) squib circuit (to +B)	B1902/73	Short in P/T squib (D seat side) circuit (to ground)
B1835/58	Short in curtain shield airbag (P seat side) squib circuit	B1903/73	Short in P/T squib (D seat side) circuit (to +B)
B1836/58	Open in curtain shield airbag (P seat side) squib circuit	B1905/74	Short in P/T squib (P seat side) circuit
B1837/58	Short in curtain shield airbag (P seat side) squib circuit (to ground)	B1906/74	Open in P/T squib (P seat side) circuit
B1838/58	Short in curtain shield airbag (P seat side) squib circuit (to +B)	B1907/74	Short in P/T squib (P seat side) circuit (to ground)
B1900/73	Short in P/T squib (D seat side) circuit	B1908/74	Short in P/T squib (P seat side) circuit (to +B)
B1901/73	Open in P/T squib (D seat side) circuit	—	

Service Tip

DTC Clearance (Using not intelligent tester II)

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

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



T1: 0~∞ second
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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