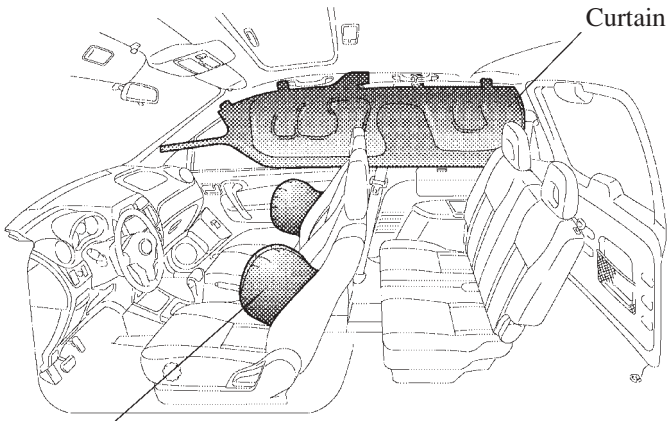
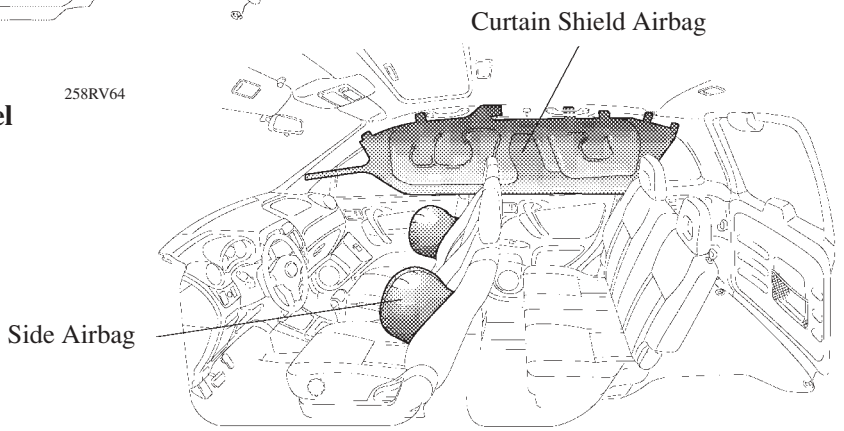


3-Door Model



5-Door Model

5. Self-Diagnosis Function

- If the airbag sensor assembly detects a malfunction in the SRS airbag system, it 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 hand-held tester 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 RAV4 Repair Manual Supplement (Pub. No. EM1078E).
- 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.
- When a malfunction is detected in the SRS airbag system, the following DTCs will be output:

▶ Diagnostic Trouble Code Chart ◀

DTC No.		Detection Item	DTC No.		Detection Item
2-digit	5-digit		2-digit	5-digit	
Normal		Power source Voltage drop	22	B1625	Side airbag sensor assy RH circuit malfunction
11	B1600	Front airbag sensor RH circuit malfunction	23	B1630	Airbag sensor rear LH circuit malfunction
12	B1605	Front airbag sensor LH circuit malfunction	24	B1635	Airbag sensor rear RH circuit malfunction
13	B1610	Front airbag sensor RH circuit malfunction	31	B1000	Airbag sensor assy center malfunction
14	B1615	Front airbag sensor LH circuit malfunction	35	B1653	Seat position airbag sensor circuit malfunction
21	B1620	Side airbag sensor assy LH circuit malfunction	37	B1655	Seat belt buckle switch LH circuit malfunction

(Continued)

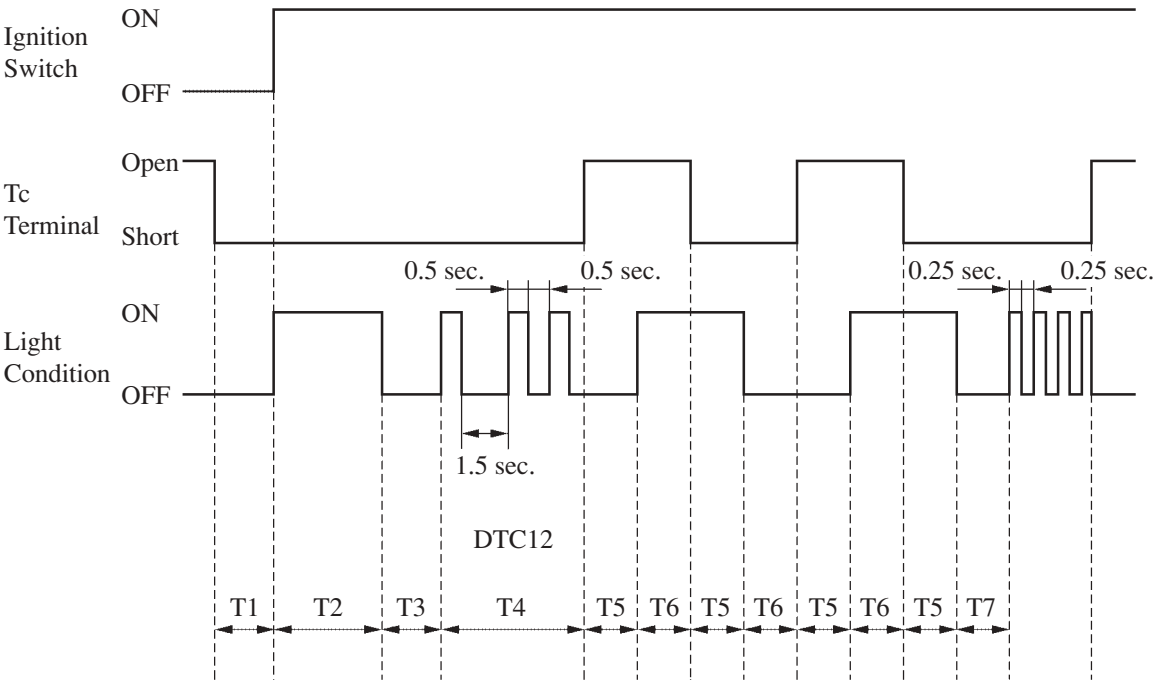
DTC No.		Detection Item	DTC No.		Detection Item
2-digit	5-digit		2-digit	5-digit	
51	B1800	Short in D squib circuit	56	B1825	Short in side squib RH circuit
	B1801	Open D squib circuit		B1826	Open in side squib RH circuit
	B1802	Short in D squib circuit (to ground)		B1827	Short in side squib RH circuit (to ground)
	B1803	Short in D squib circuit (to B+)		B1828	Short in side squib RH circuit (to B+)
52	B1805	Short in P squib circuit	57	B1830	Short in curtain shield squib LH circuit
	B1806	Open in P squib circuit		B1831	Open in curtain shield squib LH circuit
	B1807	Short in P squib circuit (to Ground)		B1832	Short in curtain shield squib LH circuit (to ground)
	B1808	Short in P squib circuit (to B+)		B1833	Short in curtain shield squib LH circuit (to B+)
53	B1810	Short in D squib (2nd step) circuit	58	B1835	Short in curtain shield squib RH circuit
	B1811	Open in D squib (2nd step) circuit		B1836	Open in curtain shield squib RH circuit
	B1812	Short in D squib (2nd step) circuit (to ground)		B1837	Short in curtain shield squib RH circuit (to ground)
	B1813	Short in D squib (2nd step) circuit (to B+)		B1838	Short in curtain shield squib RH circuit (to B+)
54	B1815	Short in P squib (2nd step) circuit	73	B1900	Short in P/T squib LH circuit
	B1816	Open in P squib (2nd step) circuit		B1901	Open in P/T squib LH circuit
	B1817	Short in P squib (2nd step) circuit (to ground)		B1902	Short in P/T squib LH circuit (to ground)
	B1818	Short in P squib (2nd step) circuit (to B+)		B1903	Short in P/T squib LH circuit (to B+)
55	B1820	Short in side squib LH circuit	74	B1905	Short in P/T squib RH circuit
	B1821	Open in side squib LH circuit		B1906	Open in P/T squib RH circuit
	B1822	Short in side squib LH circuit (to ground)		B1907	Short in P/T squib RH circuit (to ground)
	B1823	Short in side squib LH circuit (to B+)		B1908	Short in P/T squib RH circuit (to B+)

Service Tip

DTC Clearance (Not using hand-held tester)

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 to 4 seconds after the SRS warning light comes 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 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.



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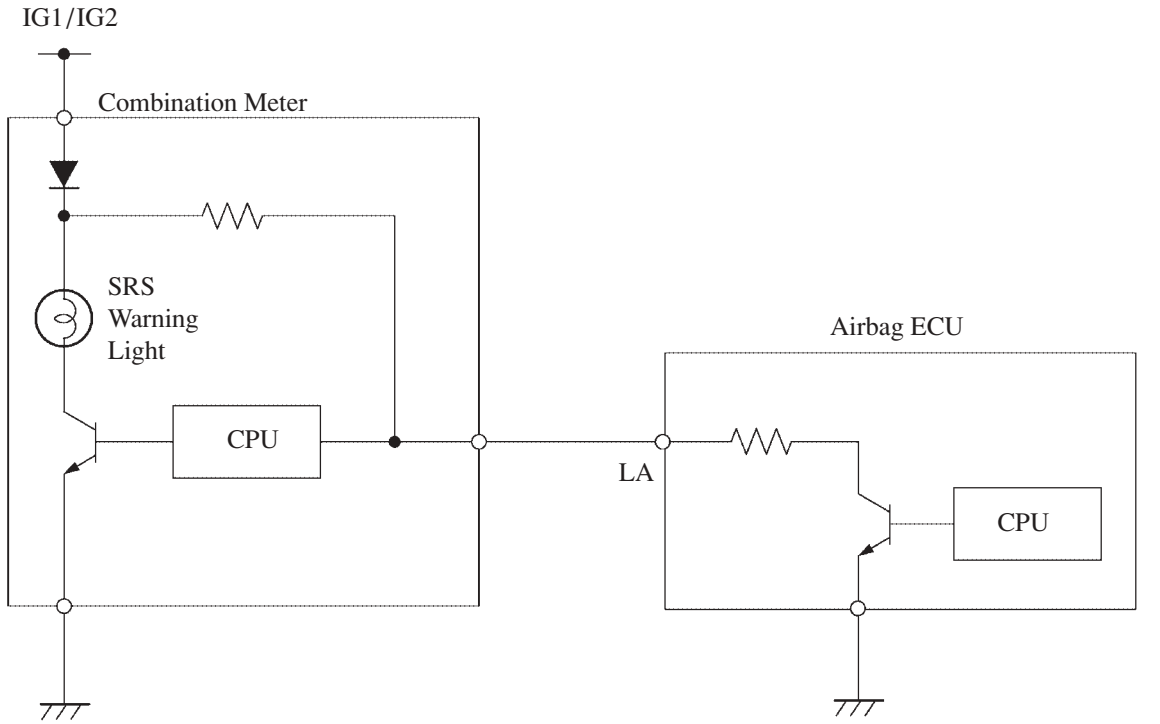
T1: 0 – ∞ second
T2: Approx. 6 seconds
T3: 3 – 5 seconds
T4: 3 – 10 seconds
T5: 2 – 4 seconds
T6: 1 – 5 seconds
T7: within 1 second

Active Circuit

An active circuit is used in the SRS warning light circuit in order to illuminate the light when there is an open or short circuit in the wiring harness. Thus, the malfunction detection area has been changed.

▶ Circuit Diagram ◀



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