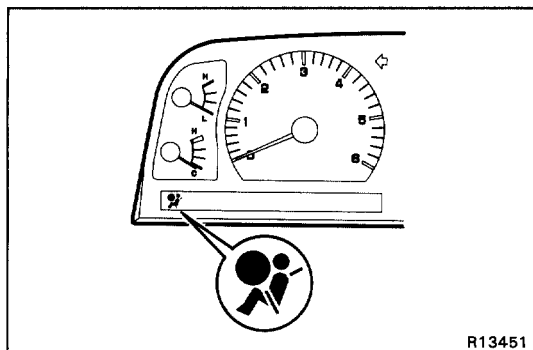




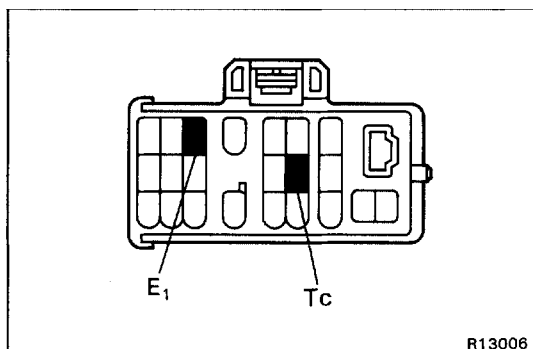
DIAGNOSIS INSPECTION

SRS warning light check

- (a) Turn the ignition switch to ACC or ON and check that the SRS warning light lights up.
- (b) Check that the SRS warning light goes out after approx. 6 seconds.

HINT:

- When the ignition switch is at ACC or ON and the SRS warning light remains on or flashes, the airbag sensor assembly has detected a malfunction code.
- If, after approx. 6 seconds have elapsed, the SRS warning light sometimes lights up or the SRS warning light lights up even when the ignition switch is OFF, a short in the SRS warning light circuit can be considered likely. Proceed to "SRS warning light system malfunction" on page [RS-69](#), 71.

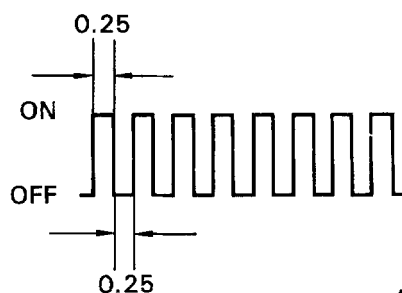


Diagnostic trouble code check

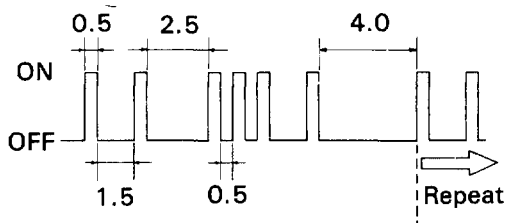
Using diagnosis check wire:

1. OUTPUT DIAGNOSTIC TROUBLE CODE

- (a) Turn the ignition switch to ACC or ON position and wait approx. 20 seconds.
- (b) Using SST, connect terminals Tc and E of the DLC1.
SST 09843-18020

Normal Code

AT0716

Code 11 and 31

AB0056

2. READ DIAGNOSTIC TROUBLE CODE

Read the 2-digit diagnostic trouble code as indicated by the number of times the SRS warning light blinks. As an example, the blinking patterns, normal, 11 and 31 are as shown on the illustration.

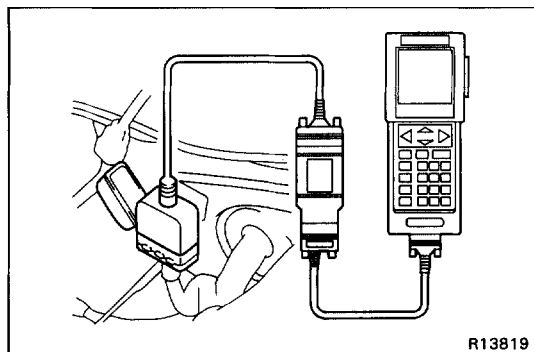
- Normal code indication
The light will blink 2 times per second.
- Malfunction code indication

The first blinking output indicates the first digit of a 2-digit diagnostic trouble code. After a 1.5 second pause, the second blinking output will indicate the second digit.

If there are 2 or more codes, there will be a 2.5 second pause between each code. After all the codes have been output, there will be a 4.0 second pause and they will all be repeated.

HINT:

- In the event of a number of trouble codes, indication will start from the smallest numbered code to the larger.
- If it does not output a diagnostic trouble code or outputs a diagnostic trouble code without terminal connection, proceed to the Tc terminal circuit inspection on page [RS-74](#).



R13819

Using LEXUS hand-held tester:

- Hook up the TOYOTA hand-held tester to the DLC1.
- Read the diagnostic trouble codes by following the prompts on the tester screen.

HINT: Please refer to the TOYOTA hand-held tester operator's manual, for further details.

Diagnostic trouble codes

DTC No.	Blink Pattern	Diagnosis	Trouble Area	SRS Warning Light
(Normal)	 FI1401	- System normal - Voltage source drop	- Battery - Airbag sensor assembly	OFF
11	 AB0057	Short in squib circuit (to ground)	- Squib (driver airbag and front passenger airbag) - Spiral cable - Airbag sensor assembly - Wire harness	ON
12	 FI1389	Short in squib circuit (to B+)	- Squib (driver airbag and front passenger airbag) - Spiral cable - Airbag sensor assembly - Wire harness	ON
14	 FI1391	Open in D squib circuit	- Steering wheel pad (squib) - Spiral cable - Airbag sensor assembly - Wire harness	ON
31	 FI1394	Airbag sensor assembly Malfunction	Airbag sensor assembly	ON
54	 RO5170	Open in P squib circuit	- Front passenger airbag assembly (squib) - Airbag sensor assembly - Wire harness	ON

HINT:

- When the SRS warning light remains lit up and the diagnostic trouble code is the normal code, this means a voltage source drop.
This malfunction is not stored in memory by the airbag sensor assembly and if the power source voltage returns to normal, the SRS warning light will automatically go out.
- When 2 or more codes are indicated, the codes will be displayed in numeral order starting from the lowest numbered code.
- If a code not listed on the chart is displayed, the airbag sensor assembly is faulty.

Problem symptom chart

Proceed with troubleshooting of each circuit in the table below.

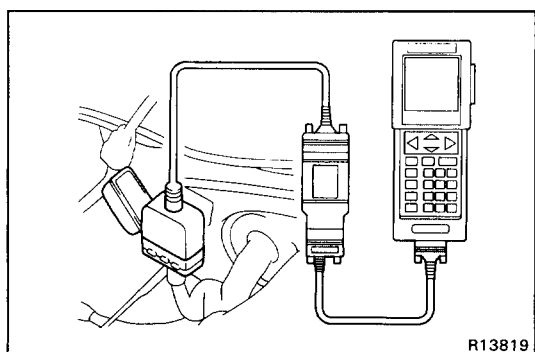
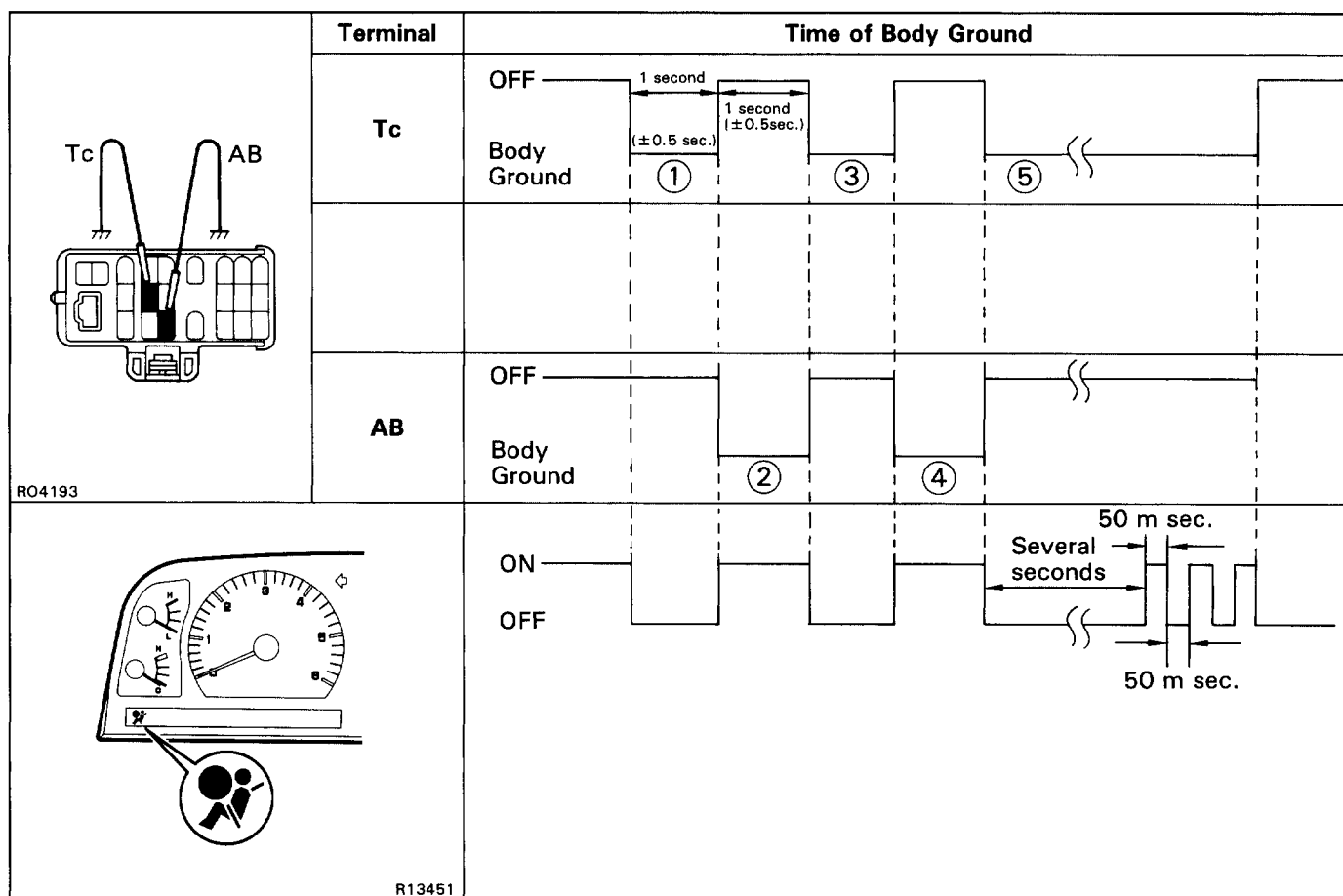
Problem Symptom	Inspection Item
- With the ignition switch at ACC or ON, the SRS warning light sometimes lights up after approx. 6 seconds have elapsed. - SRS warning light lights up even when ignition switch is in the LOCK position.	SRS warning light system malfunction (Always lit up when ignition switch is LOCK position.)
With the ignition switch at ACC or ON, the SRS warning lights does not light up.	SRS warning light system malfunction (Does not light up when ignition switch is turned to ACC or ON.)
- Diagnostic trouble code not displayed - SRS warning light is always lit up with a DTC check procedure - Diagnostic trouble code displayed without Tc and E1, terminal connection.	Tc terminal circuit

Diagnostic trouble code clearance

Using diagnosis check wire:

- (a) Connect the 2 service wires to terminals Tc and AB of DLC1.
- (b) Turn the ignition switch to ACC or ON and wait approx. 6 seconds.
- (c) Starting with the Tc terminal, apply body ground alternately to terminal Tc and terminal AB twice each in cycles of 1.0 seconds. Confirm that body ground is absolute. Finally, keep applying body ground to terminal Tc.

HINT: When alternately grounding terminals Tc and AB, release ground from one terminal and immediately apply it to the other terminal within an interval of 0.2 second. If diagnostic trouble codes do not clear, repeat the above procedure until the codes are cleared.



- (d) Several seconds after doing the clearing procedure, the SRS warning light will blink in a 50 m sec. cycle to indicate the codes have been cleared.

Using TOYOTA hand-held tester:

- Hook up the TOYOTA hand-held tester to the DLC1.
- Clear the diagnostic trouble codes by following the prompts on the tester screen.

HINT: Please refer to the TOYOTA hand-held tester operator's manual for further details.