AB0260

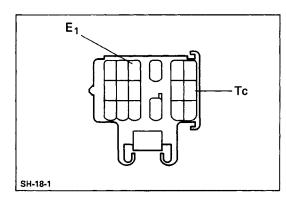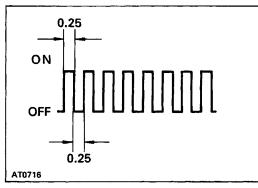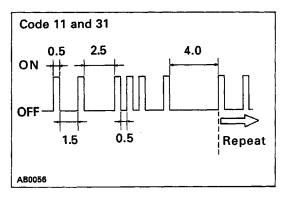# Diagnosis Inspection
AIRBAG WARNING LIGHT CHECK
(a) Turn the ignition switch to ACC or ON and check that the airbag warning light lights up.
(b) Check that the airbag warning light goes out after approx. 6 seconds.
HINT:
- When the ignition switch is at ACC or ON and the airbag warning light remains on, the center airbag sensor assembly has detected a malfunction code.
- If, after approx. 6 seconds have elapsed, the airbag warning light sometimes lights up or the airbag warning light lights up even when the ignition switch is OFF, a short in the airbag warning light circuit can be considered likely.
Proceed to "Airbag warning light system (always lit up)" on page .

SH-18-1

DIAGNOSTIC CODE CHECK
1. OUTPUT DIAGNOSTIC CODE
(a) Turn the ignition switch to ACC or ON position and wait approx. 20 seconds.
(b) Using SST, connect terminals Tc and E1 of the check connector.
SST 09843–18020
NOTICE: Never make a mistake with the terminal connection position as this will cause a malfunction.

AT0716

2. READ DIAGNOSTIC CODE
Read the diagnostic code as indicated by the number of times the airbag warning light blinks.
- **Normal code indication**
The light will blink 2 times per second.
- **Malfunction code indication**
In the even of a malfunction, the light will blink. The first number of the code No. will equal the first digit of a 2–digit diagnostic code, and after a 1.5 second pause, the 2nd number of the code No. will equal the 2nd digit. If there are two or more codes, there will be a 2.5 second pause between each. 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 begin from the smaller numbered code to the larger.
- If a diagnostic code is not output or is continuously output, proceed to the Tc terminal circuit inspection on page .

Code 11 and 31
AB0056

DIAGNOSTIC CODES

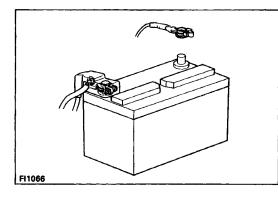| Code No.	Blink Pattern	Diagnosis	Trouble Area	AIRBAG warning Light
(Normal)	FI1401	• System normal • Source voltage drop	— • Battery • Center airbag sensor assembly	OFF ON
11	AB0057	• Short in squib circuit or front airbag sensor circuit (to ground)	• Steering wheel pad (squib) • Front airbag sensor • Spiral cable • Center airbag sensor assembly • Wire harness	ON
12	FI1389	• Short in squib circuit or front airbag sensor circuit (to +B)	• Steering wheel pad (squib) • Front airbag sensor • Spiral cable • Center airbag sensor assembly • Wire harness	ON
13	FI1390	• Short in squib circuit (between D+ wire harness and D– wire harness)	• Steering wheel pad (squib) • Spiral cable • Center airbag sensor assembly • Wire harness	ON
14	FI1391	• Open in squib circuit	• Steering wheel pad (squib) • Spiral cable • Center airbag sensor assembly • Wire harness	ON
15	AB0058	• Open in front airbag sensor circuit	• Front airbag sensor • Center airbag sensor assembly • Wire harness	ON
22	FI1392	• Airbag warning light system malfunction	• Airbag warning light • Center airbag sensor assembly • Wire harness	ON
31	FI1394	• Center airbag sensor assembly malfunction	• Center airbag sensor assembly	ON
41	FI1396	• Malfunction stored in memory	• (Center airbag sensor assembly)	ON

HINT:
• When the airbag warning light remains lit up and the diagnostic code is the normal code, this means a source voltage drop.
  This malfunction is not stored in memory by the center airbag sensor assembly and if the power source voltage returns to normal, after approx. 10 seconds the airbag warning light will automatically go out.
• Code 22 is recorded when a malfunction occurs in the airbag warning light system.
  If an open malfunction occurs in the airbag warning light system, the airbag warning light does not light up, so that until the malfunction is repaired, the diagnostic codes (including code 22) cannot be confirmed.
• When a malfunction occurs in the airbag system, malfunction codes 11 to 31 are output. After repairing the malfunction indicated by malfunction codes 11 to 31, codes 11 to 31 are cleared from the memory, but code 41 is output instead.
  Once the malfunction has been detected, the airbag warning light will remain lit up until code 41 is cleared, even though the malfunction has been repaired.
• When two or more codes are indicated, the lowest numbered code will appear first.
• If a code not listed on the chart is displayed, then the center airbag sensor assembly is faulty.

FI1066

CLEARING OF DIAGNOSTIC CODE

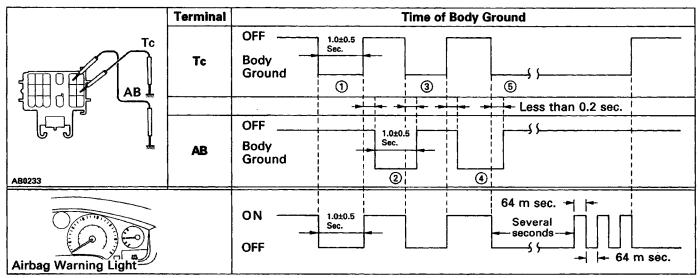## 1. CLEARING OF MALFUNCTION CODE (EXCEPT CODE 41)

Remove the battery negative terminal or ECU–B fuse for 10 seconds or more with the ignition switch OFF.

NOTICE: When connecting the battery after cancelling the malfunction code, always do it with the ignition switch in LOCK position. If the battery is connected with the ignition switch in ACC or ON position, there are cases when the diagnosis system does not operate normally.

HINT:
- Code 41 cannot be cleared by this method.
- The lower the temperature, the longer the battery negative terminal must be left off.
- Other memory systems (clock, audio system) will also be cancelled out (See page AB–2).

2. CLEARING OF MALFUNCTION CODE 41 STORED IN MEMORY

(a) Connect service wires to terminals Tc and AB of the check connector.

(b) Turn the ignition switch ACC or ON and wait approx.6 seconds.

(c) Starting with the Tc terminal, apply body ground alter–nately to terminal Tc and terminal AB twice each in cycles of 1.0 ± 0.5 seconds.

Finally, keep applying body ground to terminal Tc.

HINT: When alternating between body ground of ter–minals Tc and AB release one from body ground while applying it to the other terminal. The time interval in between must be within the following conditions. If it is out of the conditions, code 41 will not be cleared.

	Terminal	Time of Body Ground
 AB0233	**Tc**	OFF / Body Ground — 1.0 ± 0.5 Sec. ① ③ ⑤ — Less than 0.2 sec.
	AB	OFF / Body Ground — 1.0 ± 0.5 Sec. ② ④
Airbag Warning Light	ON / OFF	1.0 ± 0.5 Sec. — 64 m sec. — Several seconds — 64 m sec.

(d) After several seconds, when the airbag warning light starts to blink in a 64 msec. cycle, cancellation is completed.

HINT: This method clears not only code 41, but also other malfunction codes all at once.

Except when instructed by the troubleshooting procedure, use this method only when the repair procedure is completed (See page AB–25).