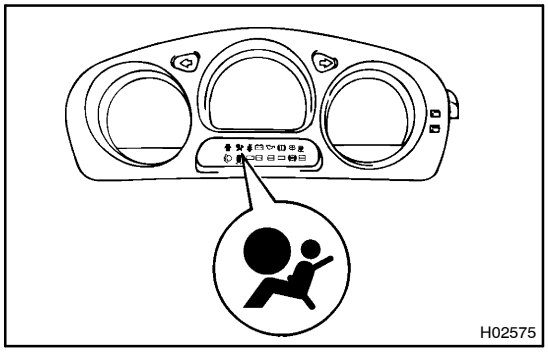
DI160–05

PRE–CHECK


H02575

HINT:

The illustration of connector shown below represents other illustrations. Though the shapes of some connectors are different, terminals alignment is same.

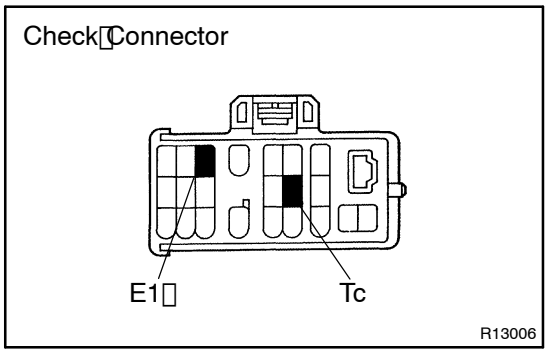
1. SRS WARNING LIGHT CHECK

(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 circuit malfunction" on page DI–506.



R13006

2. DTC CHECK (Using diagnosis check wire)

(a) Present Trouble Codes:

Output the DTC.

(1) Turn the ignition switch to the ACC or ON position and wait approx. 20 seconds.

(2) Using SST, connect terminals Tc and E1 of the check connector.

SST 09843–18020

NOTICE:

Pay enough attention to the terminal connecting position as this will cause a malfunction.

(b) Past Trouble Codes:

Output the DTC

(1) Using service wire, connect Terminals Tc and E1 on the check connector.

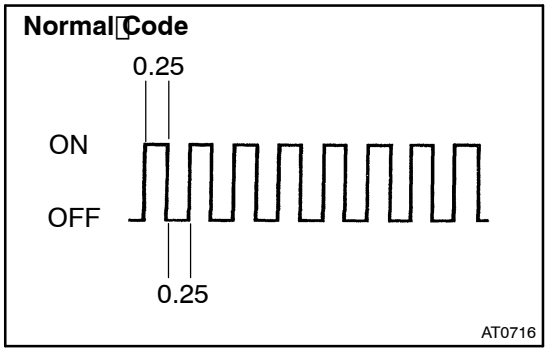
(2) Turn the ignition switch to the ACC or ON position and wait approx. 20 seconds.

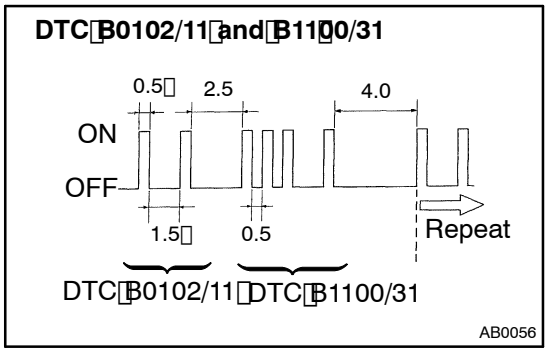
(3) Using SST, connect terminals Tc and E1 of the check connector.

SST 09843–18020

NOTICE:

Pay enough attention to the terminal connecting position as this will cause a malfunction.





(c) READ DTC

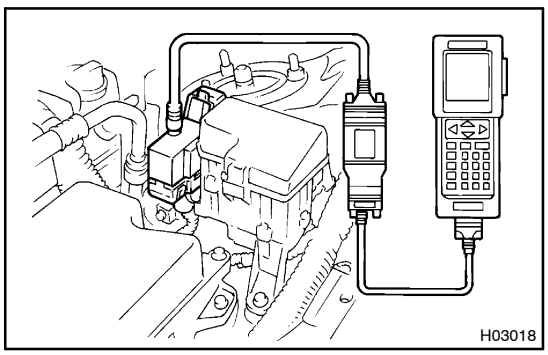
Read the 2–digit DTC as indicated by the number of times the SRS warning light blinks. As an example, the blinking patterns, normal, B0102/11 and B1100/31 are as shown in the illustration.

- 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 DTC. 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.
- If a DTC is not output or a DTC is output without terminal connection, proceed to the Tc terminal circuit inspection on page DI–512.



3. DTC CHECK (Using hand–held tester)

(a) Hook up the LEXUS hand–held tester to the check connector.

(b) Read the DTCs by following the prompts on the tester screen.

HINT:

Please refer to the hand–held tester operator's manual for further details.

4. DTC CLEARANCE (Not using service wire)

When the ignition switch is turned OFF, the diagnostic trouble code is cleared.

5. DTC CLEARANCE (Using service wire)

(a) Connect the 2 service wires to terminal Tc and AB of check connector.

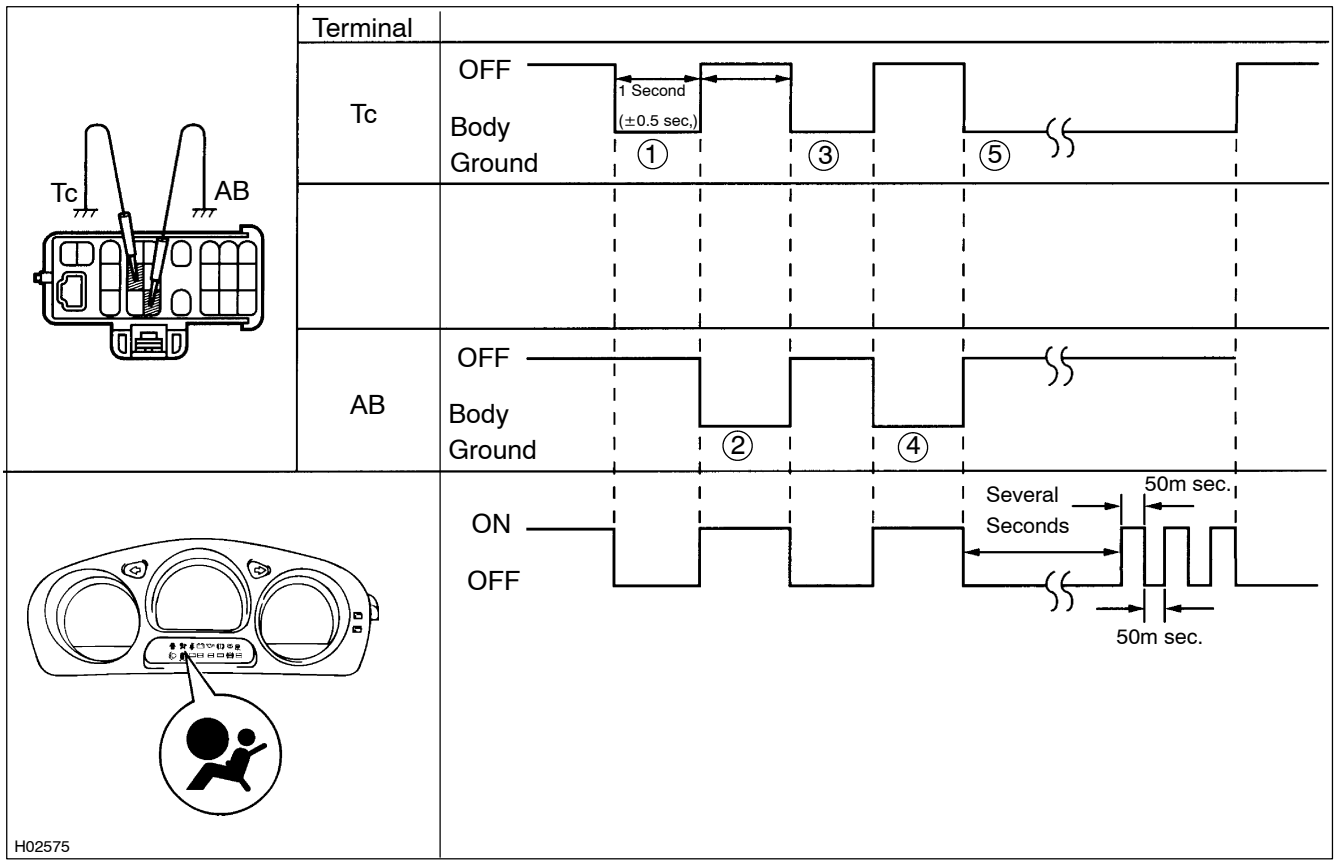
(b) Turn the ignition switch to ACC or ON and wait approx. 6 seconds.

(c) Starting with the Tc terminal, ground alternately terminal Tc and terminal AB twice each in cycles of 1.0 second. Make sure that the terminals are grounded. Finally, cenure that terminal Tc remains grounded.

HINT:

When alternately grounding terminals Tc and AB, release ground from one terminal and immediately ground the other terminal within an interval of 0.2 seconds.

If DTCs are not cleared, repeat the above procedure until the codes are cleared.



H00934

H03055

(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.

6. Past Trouble Codes:
DTC CLEARANCE
(See step 5.)

7. RELEASE METHOD OF AIRBAG ACTIVATION PREVENTION MECHANISM

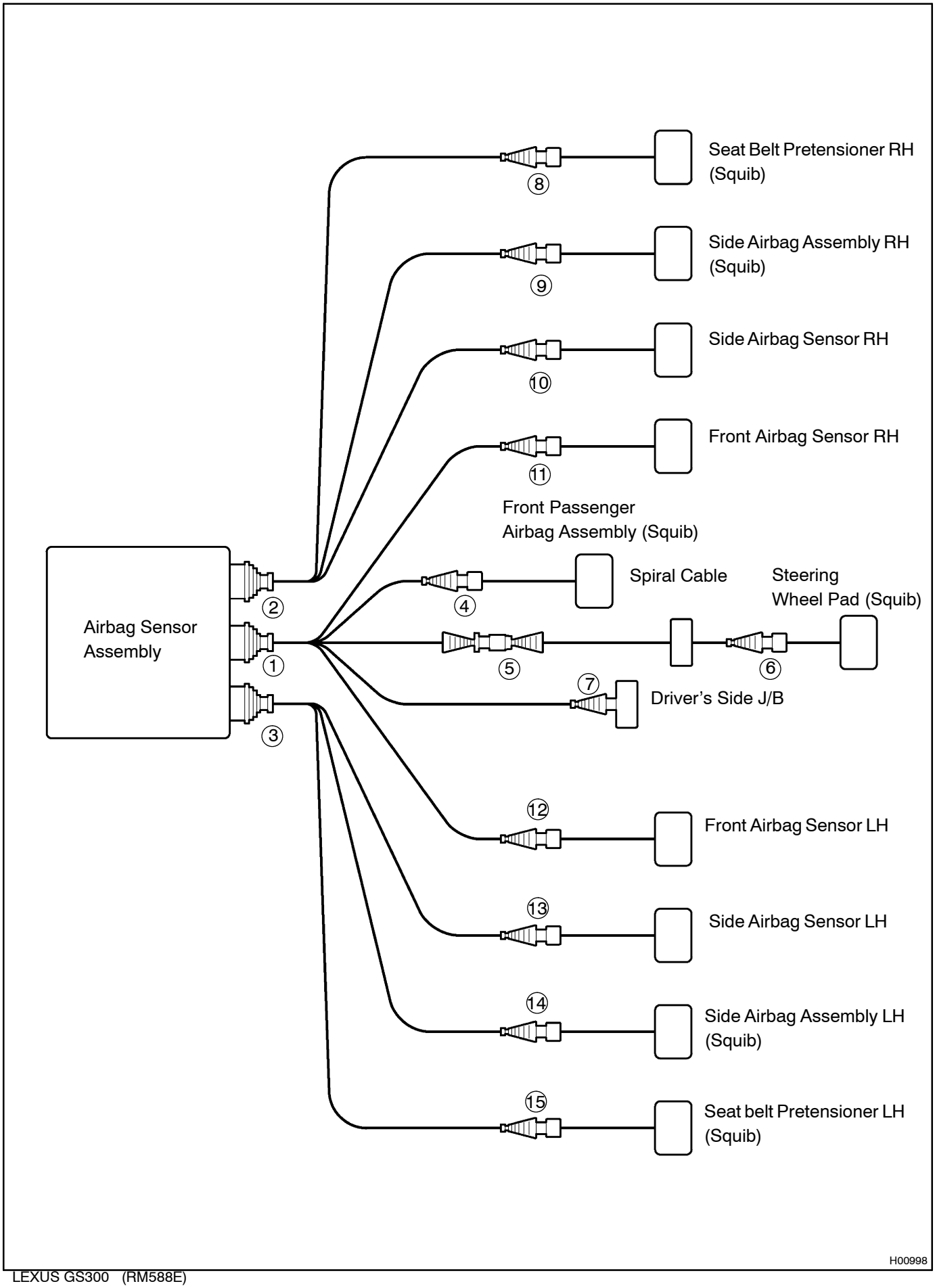
An airbag activation prevention mechanism is built into the connector for the squib circuit of the SRS.

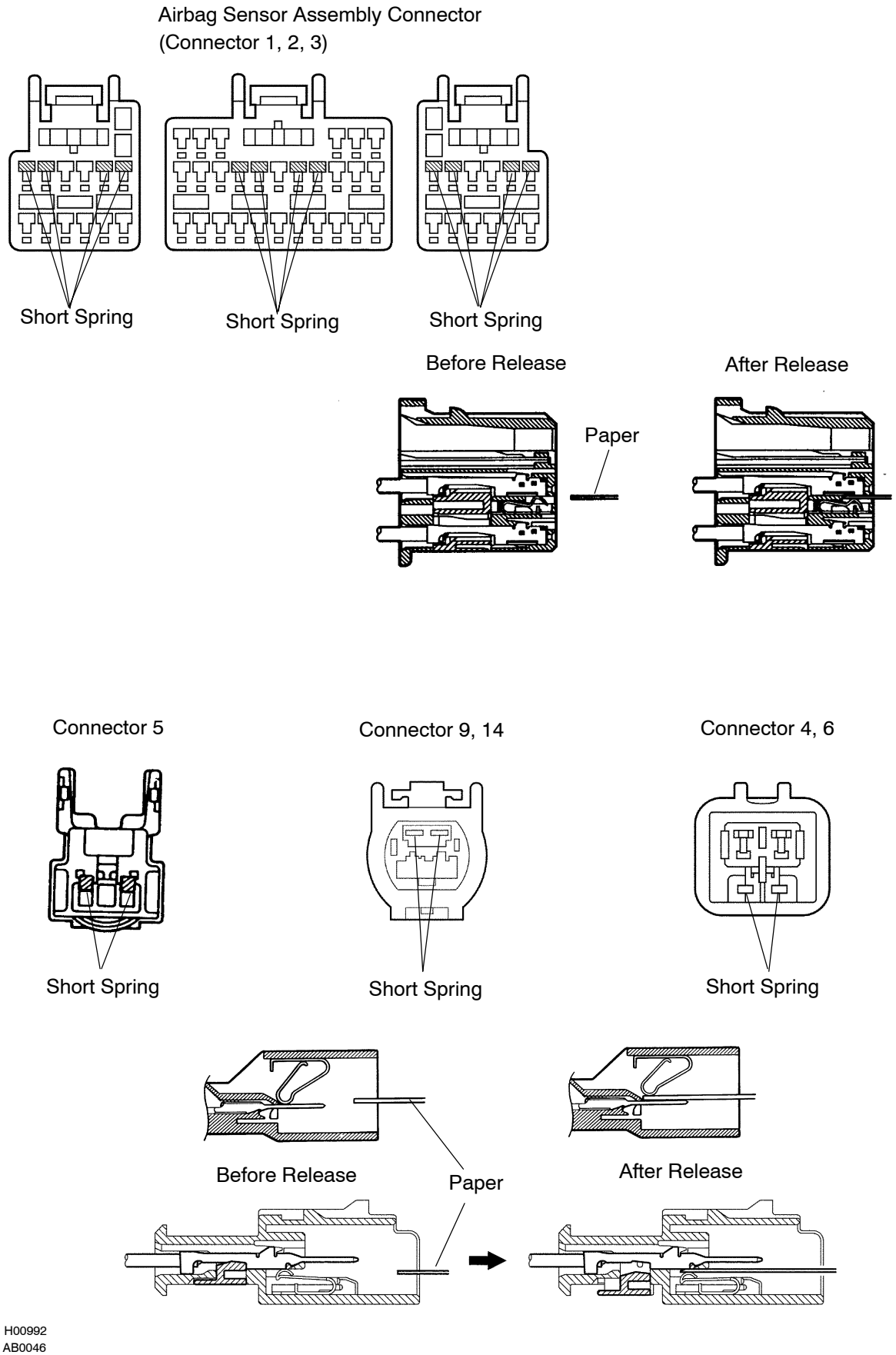
When release of the airbag activation prevention mechanism is directed in the troubleshooting procedure, as shown in the illustration of the connectors "1", "2", "3", "4", "5", "6", "8", "9", "14" and "15" on the next page, insert paper which has the same thickness as the male terminal, between the terminal and the short spring.

CAUTION:
Never release the airbag activation prevention mechanism on the steering wheel pad connector.

NOTICE:

- **Do not release the airbag activation prevention mechanism unless specifically directed by the troubleshooting procedure.**
- **If the inserted paper is too thick the terminal and short spring may be damaged, so always use paper with the same thickness as the male terminal.**


Seat Belt Pretensioner RH (Squib)
8
Side Airbag Assembly RH (Squib)
9
Side Airbag Sensor RH
10
Front Airbag Sensor RH
11
Front Passenger Airbag Assembly (Squib)
Airbag Sensor Assembly
2
1
3
4
Spiral Cable
Steering Wheel Pad (Squib)
5
6
7
Driver's Side J/B
12
Front Airbag Sensor LH
13
Side Airbag Sensor LH
14
Side Airbag Assembly LH (Squib)
15
Seat belt Pretensioner LH (Squib)
H00998


Airbag Sensor Assembly Connector
(Connector 1, 2, 3)
Short Spring
Short Spring
Short Spring
Before Release
After Release
Paper
Connector 5
Connector 9, 14
Connector 4, 6
Short Spring
Short Spring
Short Spring
Before Release
Paper
After Release
H01356
H01233
AB0130
H00992
AB0045
AB0046
H02249
H02248
H01358