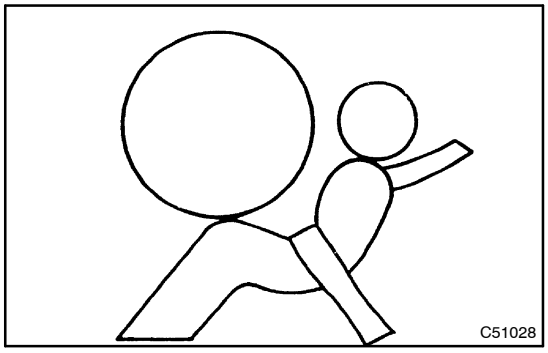


050YG–05

PRE–CHECK

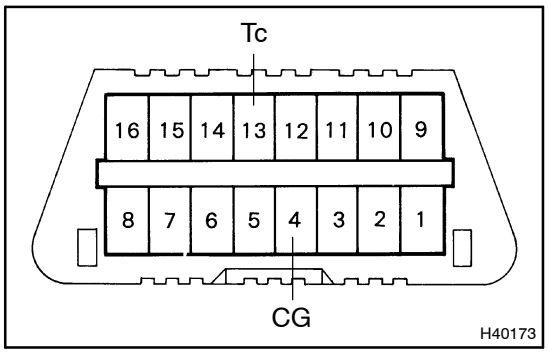
1. SRS WARNING LIGHT CHECK

(a) Turn the ignition switch to the ON position 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 ON and the SRS warning light remains on or flashes, the airbag sensor assembly has detected a malfunction code.
- If, after approx. 6 second 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 05–963 and 05–966.



2. DTC CHECK (Using diagnosis check wire)

(a) Present troubles codes:

Output the DTC.

(1) Turn the ignition switch to the ON position and wait for approx. 60 seconds.

(2) Using SST, connect the terminals Tc and CG of the DLC3.

SST 09843–18040

NOTICE:

Pay due attention to the terminal connecting position to avoid a malfunction.

(b) Past troubles codes:

Output the DTC.

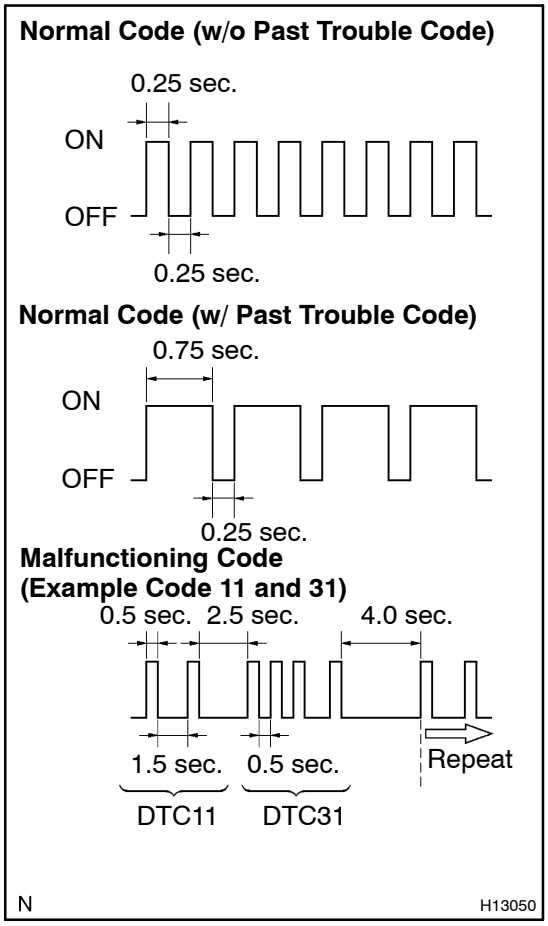
(1) Using SST, connect the terminals Tc and CG of the DLC3.

SST 09843–18040

(2) Turn the ignition switch to the ON position and wait for approx. 60 seconds.

NOTICE:

Pay due attention to the terminal connecting position to avoid a malfunction.



(c) Read the 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, 11 and 31 are shown in the illustration.

- Normal code indication (w/o past trouble code)
  The light will blink 2 times per second.
- Normal code indication (w/ past trouble code)
  When the past troubles code is stored in the airbag sensor assy center, the light blinks only ones a 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 connecting proceed to the Tc terminal circuit inspection on page 05–968.

3. DTC CHECK (Using hand–held tester)

(a) Hook up the hand–held tester to the DLC3.
(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)

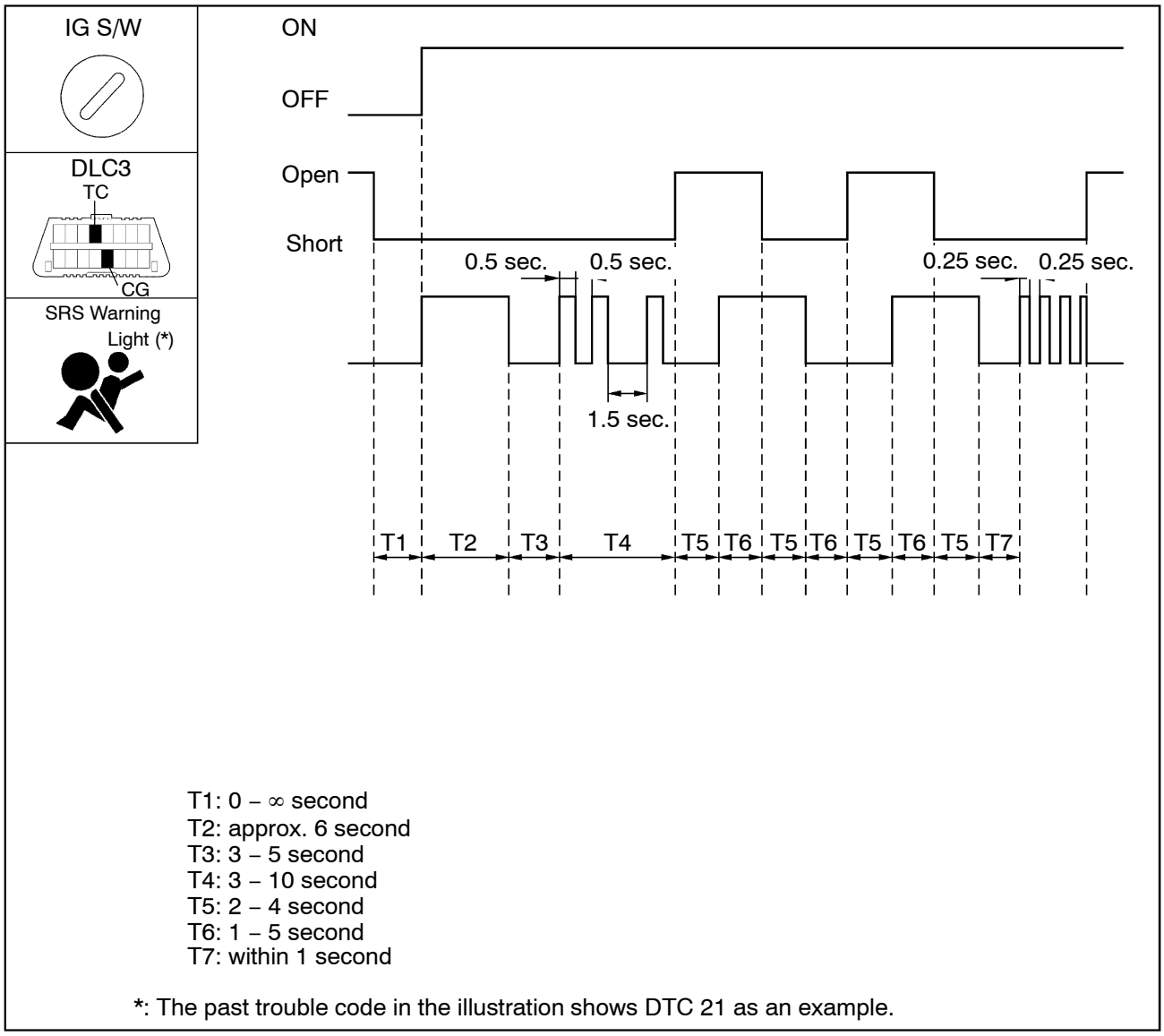
(a) When the ignition switch is turned off, the diagnostic trouble code is cleared.

HINT:
DTC might not be cleared by turning the ignition switch OFF. In this case, proceed to the next step.

5. DTC CLEARANCE (Using service wire)

(a) Using a service wire, connect terminals TC and CG.
(b) Disconnect terminal TC of DLC3 within 10 seconds after the DTC begins to be output, and check if the warning light lights up within 3 seconds.
(c) Within 2.0 seconds to 4.0 seconds after the SRS warning light lights up, connect the terminals TC and CG of DLC3.
(d) Light the SRS warning light goes off 2.0 to 4.0 seconds after connecting the terminals TC and CG of DLC3, then disconnect the terminal TC of DLC3 2.0 to 4.0 seconds after the warning light goes off.
(e) Light the SRS warning light on again 3 seconds after disconnecting terminal TC of DLC3, then within 2.0 to 4.0 seconds after the lighting, connect terminals TC and CG of DLC3.
(f) Check if the SRS warning light goes off 2.0 to 4.0 seconds after connecting terminals TC and CG of DLC3, and the correct code is output 1 second after the SRS warning goes off.

If DTCs are to cleared, repeat the above procedure until the codes are cleared.



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

*: The past trouble code in the illustration shows DTC 21 as an example.

H40995

6. DTC CLEARANCE (Using hand–held tester)

(a) Hook up the hand–held tester to the DLC3.

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

HINT:

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

7. RELEASE METHOD OF AIRBAG ACTIVATION PREVENTION MECHANISM

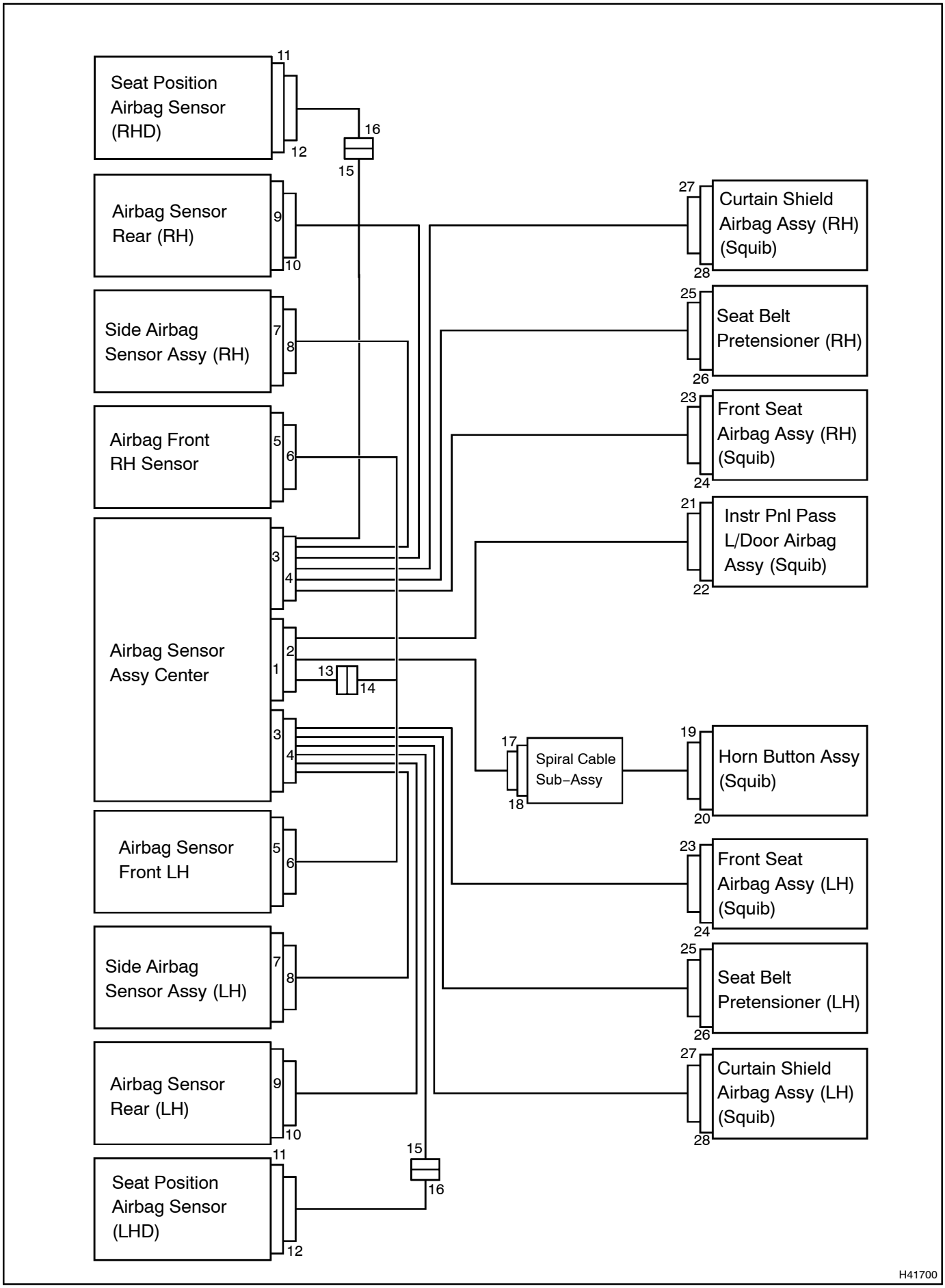
(a) An airbag activention prevention mechanism is built into the connector for the squib circuit of the SRS. When release of the airbag activation prevention mechanism is directed in the troubleshooting procedure, as shown in the illustration of the connectors on the next pages, insert paper which has the same thickness as the male terminal between the terminal and the short spring.

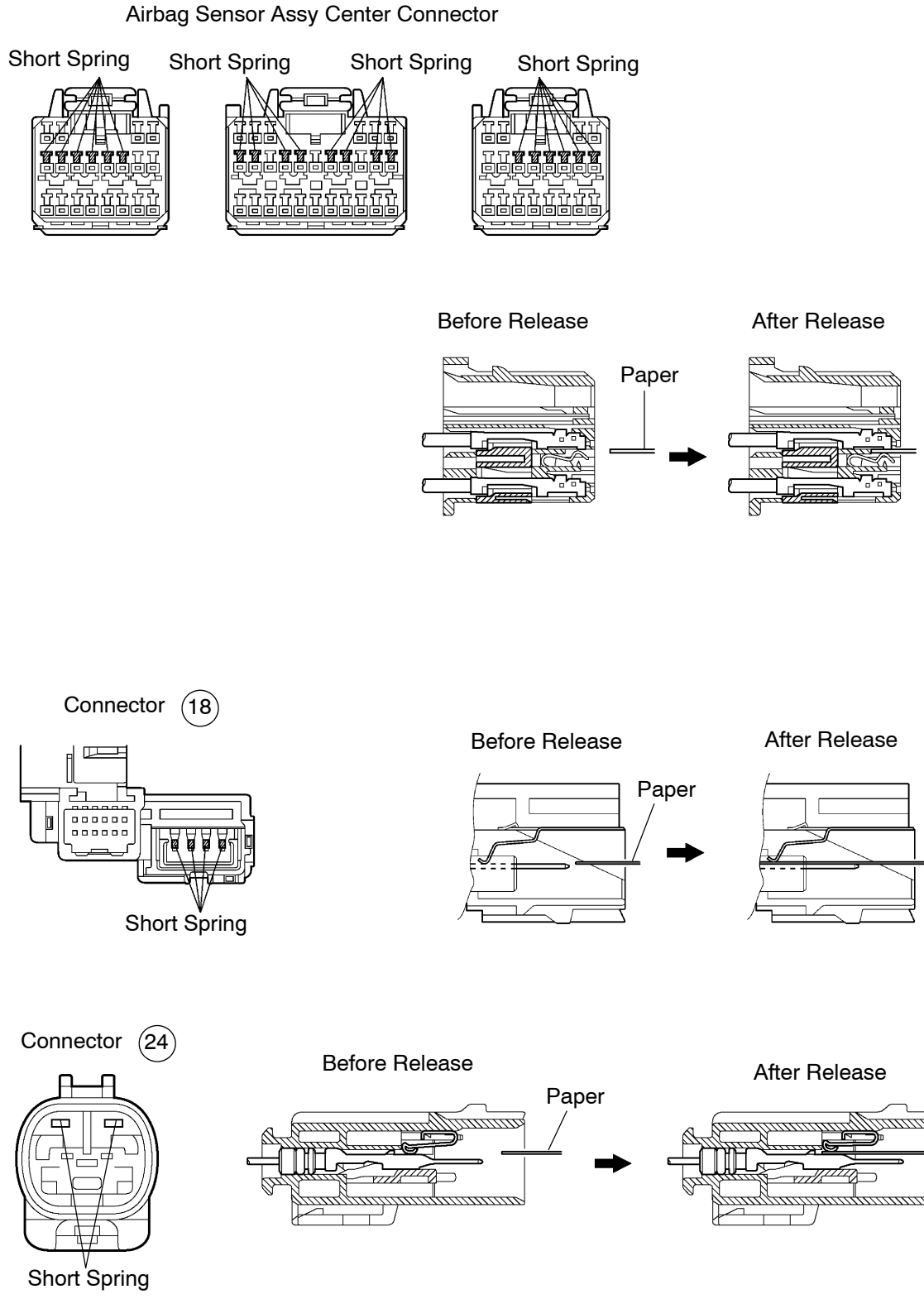
CAUTION:

Never release the airbag activation prevention mechanism on the squib 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 Position Airbag Sensor (RHD)
11
12
16
15
Airbag Sensor Rear (RH)
9
10
Side Airbag Sensor Assy (RH)
7
8
Airbag Front RH Sensor
5
6
Airbag Sensor Assy Center
3
4
1
2
13
14
3
4
Airbag Sensor Front LH
5
6
Side Airbag Sensor Assy (LH)
7
8
Airbag Sensor Rear (LH)
9
10
15
16
Seat Position Airbag Sensor (LHD)
11
12
17
Spiral Cable Sub–Assy
18
27
Curtain Shield Airbag Assy (RH) (Squib)
28
25
Seat Belt Pretensioner (RH)
26
23
Front Seat Airbag Assy (RH) (Squib)
24
21
Instr Pnl Pass L/Door Airbag Assy (Squib)
22
19
Horn Button Assy (Squib)
20
23
Front Seat Airbag Assy (LH) (Squib)
24
25
Seat Belt Pretensioner (LH)
26
27
Curtain Shield Airbag Assy (LH) (Squib)
28
H41700


Airbag Sensor Assy Center Connector
Short Spring
Short Spring
Short Spring
Short Spring
Before Release
Paper
After Release
Connector 18
Short Spring
Before Release
Paper
After Release
Connector 24
Short Spring
Before Release
Paper
After Release
H41701