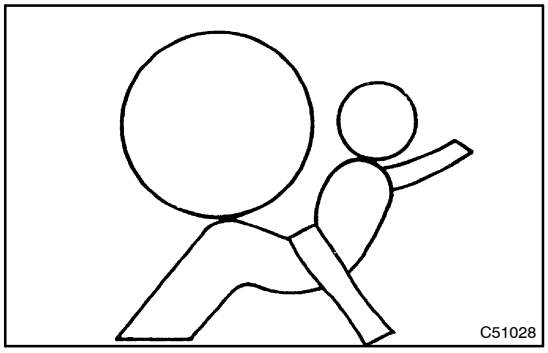
050YG–12



PRE–CHECK

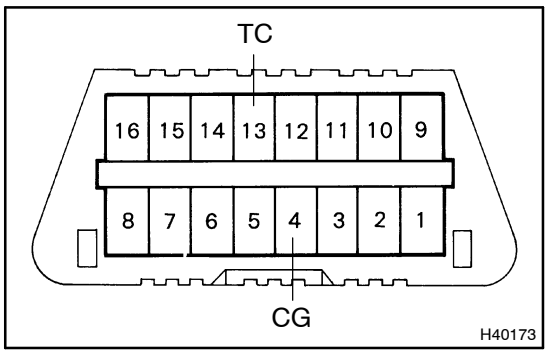
1. SRS WARNING LIGHT CHECK

(a) Turn the ignition switch to ON, and check that the SRS warning light comes on.

(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 assy center has detected a malfunction code.
- If, after approx. 6 second have elapsed, the SRS warning light sometimes comes on even when the ignition switch is OFF. In this case, a short in the SRS warning light circuit or the fitting of the connector of the airbag sensor assy center is incomplete is possible. Proceed to "SRS warning light circuit malfunction" on page 05–1329 and 05–1332.



2. DTC CHECK (using diagnosis check wire)

(a) Present troubles codes:

Output the DTC.

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

(2) Using SST, connect terminal TC and CG of the DLC3.

SST 09843–18040

NOTICE:

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

(b) Past troubles codes:

Output the DTC.

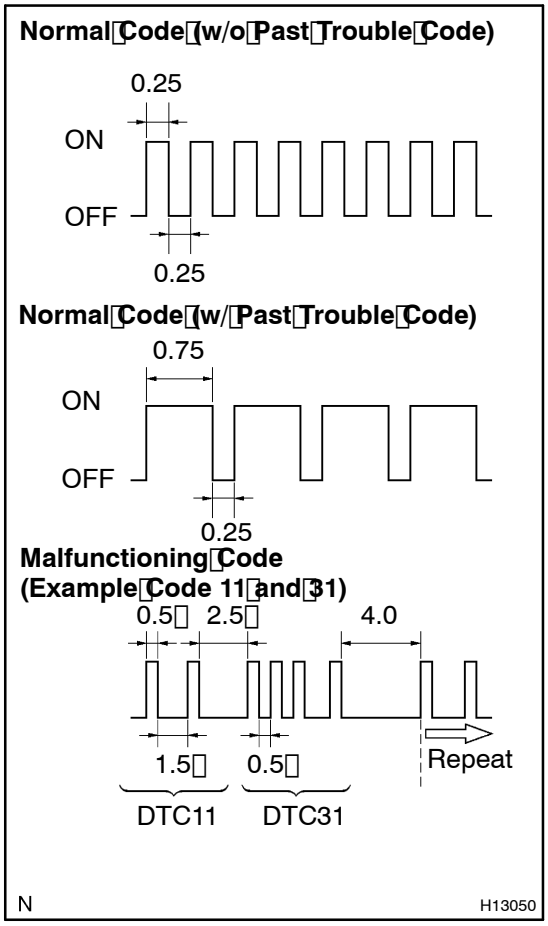
(1) Using SST, connect terminal TC and CG of the DLC3.

SST 09843–18040

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

NOTICE:

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



(c) Read the DTC.
Read the DTC by counting the blinking times. As an example, the blinking patterns of normal, 11 and 31 are shown in the illustration.
- Normal code indication
The light blinks 2 times per seconds.
- Malfunction code indication
The first blinking indicates the first digit of DTC. Second blinking occurs after 1.5 second of pausing.

If there are 2 or more codes, there will be a 2.5–second pause between each code. After all codes are shown, there will be a 4.0–second pausing, and they will all be repeated.
HINT:
- If 2 or more malfunctions are found, the indication starts from the smaller numbered code.
- If the light does not blink or comes out at all, or if DTCs are indicated without a connection of the terminals, proceed to the "TC Terminal" circuit inspection on page 05–1334.

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)

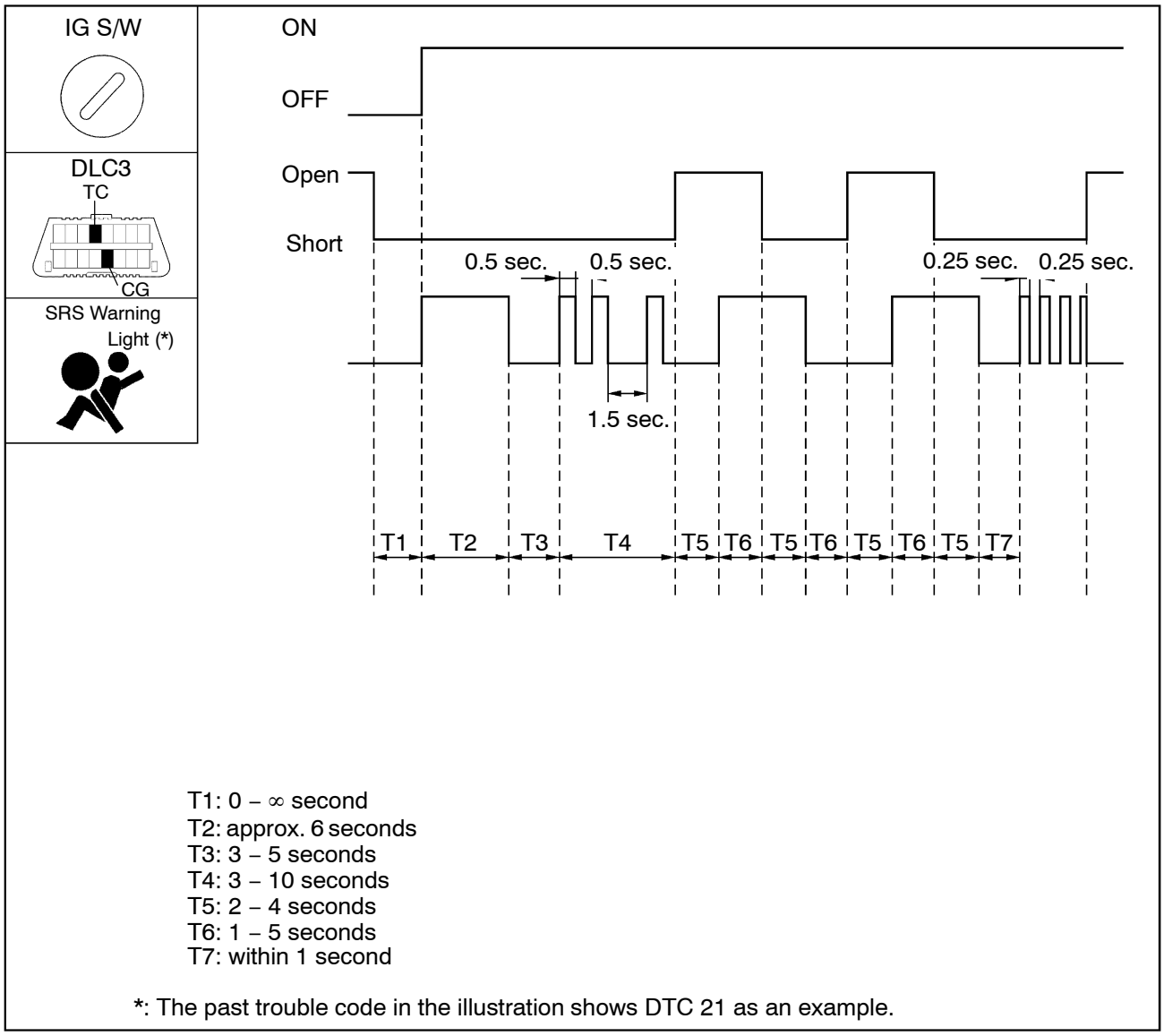
(a) When the ignition switch is turned off, the diagnostic trouble code is cleared.

HINT:
Depending on the DTC, the code 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 seconds
T3: 3 – 5 seconds
T4: 3 – 10 seconds
T5: 2 – 4 seconds
T6: 1 – 5 seconds
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's screen.

HINT:

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

7. RELEASE METHOD OF AIRBAG ACTIVATION PREVENTION MECHANISM

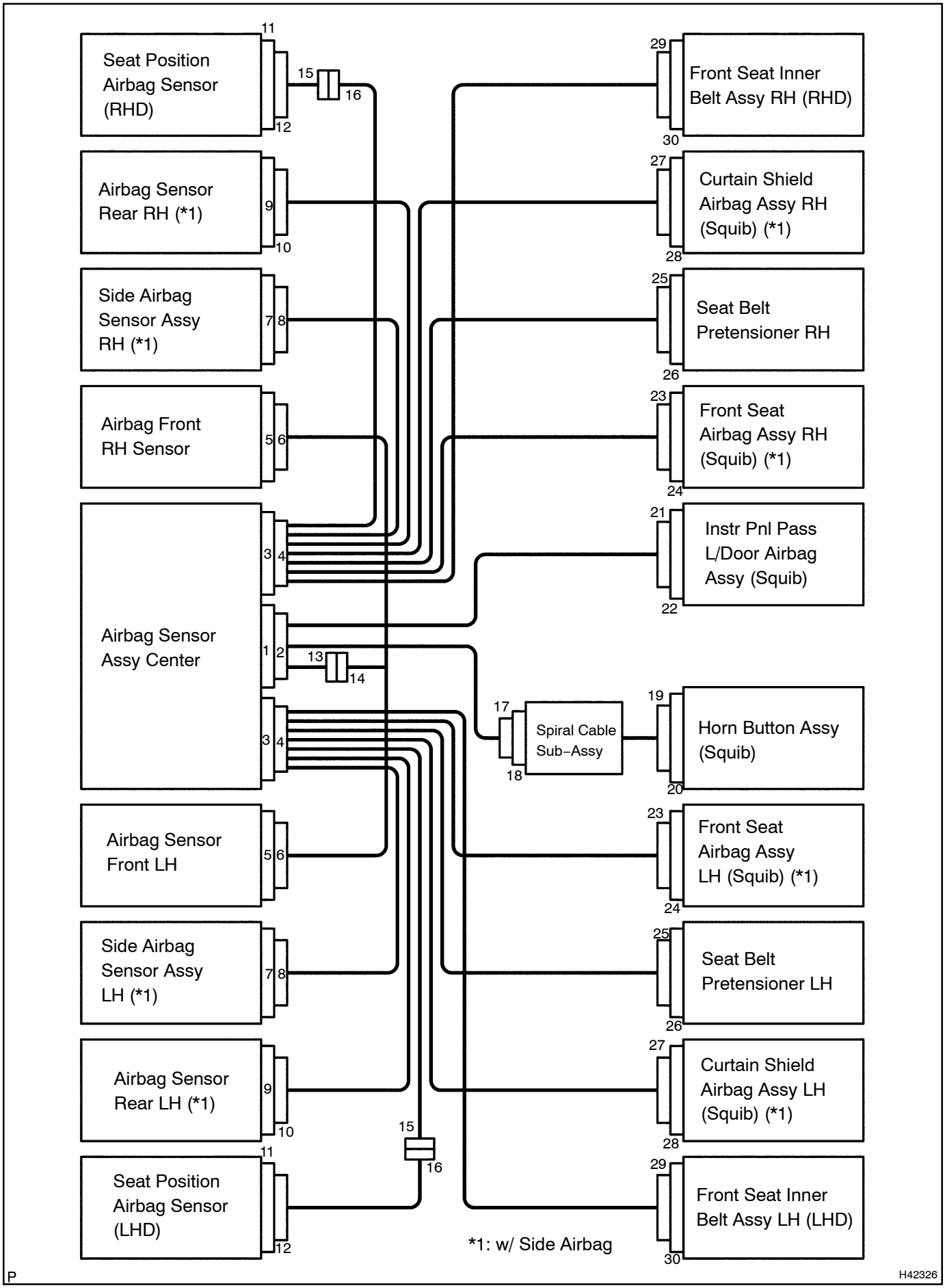
(a) An airbag activention prevention mechanism is built into the connector for the squib circuit of the SRS. As explained in the troubleshooting later, insert a paper with the same thickness as the male terminal between the terminal and the short spring to release it (Refer to Illustrations on next 2 pages).

CAUTION:

Never release the airbag activation prevention mechanism on the squib connector.

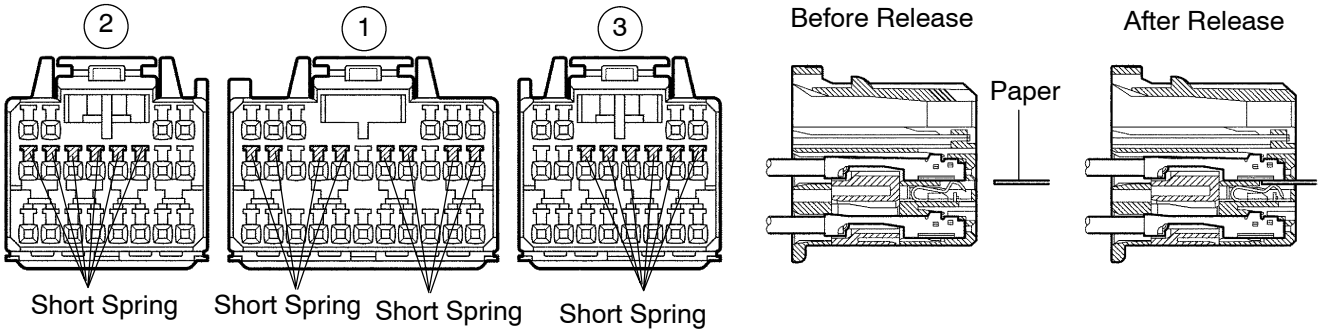
NOTICE:

- **Do not release the airbag activation prevention mechanism unless specifically directed by the troubleshooting procedure.**
- **To prevent the terminal and the short spring to be damaged, always use a paper with the same thickness as the male terminals.**


Seat Position Airbag Sensor (RHD)
11
12
15
16
Airbag Sensor Rear RH (*1)
9
10
Side Airbag Sensor Assy RH (*1)
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 (*1)
7
8
Airbag Sensor Rear LH (*1)
9
10
15
16
Seat Position Airbag Sensor (LHD)
11
12
17
Spiral Cable Sub–Assy
18
29
Front Seat Inner Belt Assy RH (RHD)
30
27
Curtain Shield Airbag Assy RH (Squib) (*1)
28
25
Seat Belt Pretensioner RH
26
23
Front Seat Airbag Assy RH (Squib) (*1)
24
21
Instr Pnl Pass L/Door Airbag Assy (Squib)
22
19
Horn Button Assy (Squib)
20
23
Front Seat Airbag Assy LH (Squib) (*1)
24
25
Seat Belt Pretensioner LH
26
27
Curtain Shield Airbag Assy LH (Squib) (*1)
28
29
Front Seat Inner Belt Assy LH (LHD)
30
*1: w/ Side Airbag
P
H42326

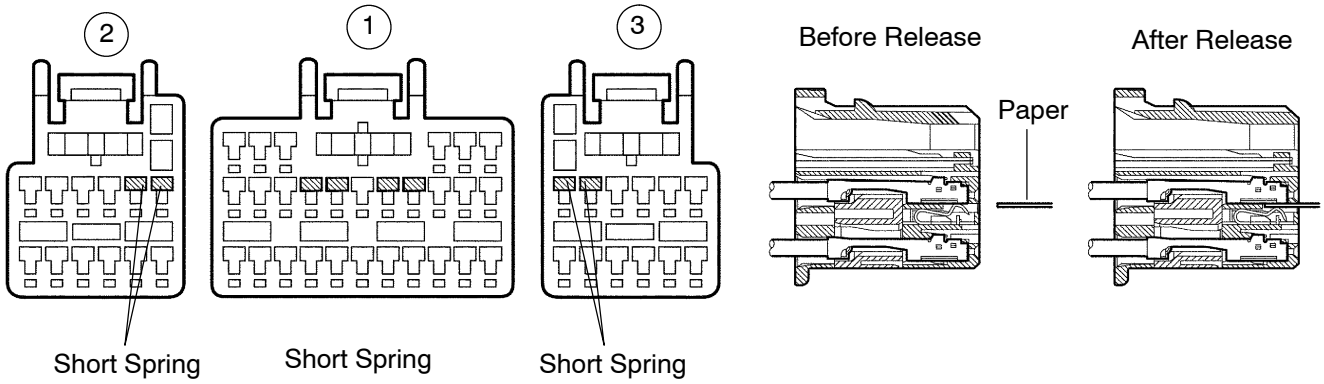
w/ Side Airbag:

Airbag Sensor Assy Center Connector

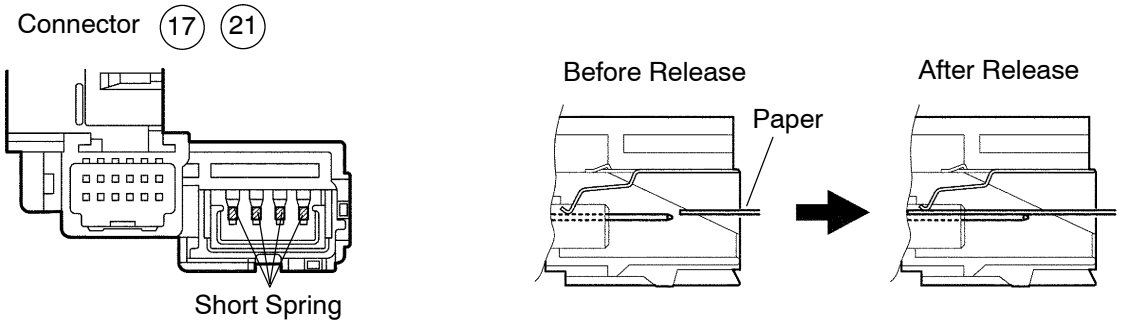


w/o Side Airbag:

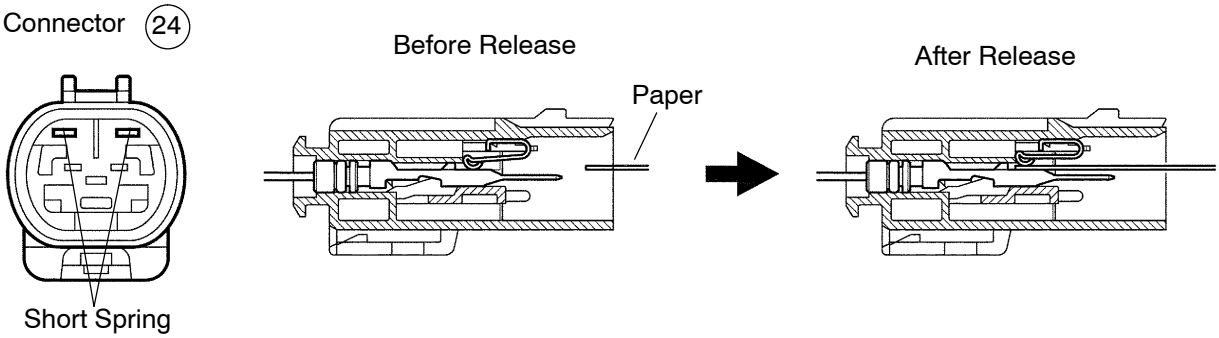
Airbag Sensor Assy Center Connector



Connector (17) (21)



Connector (24)



P

H42469