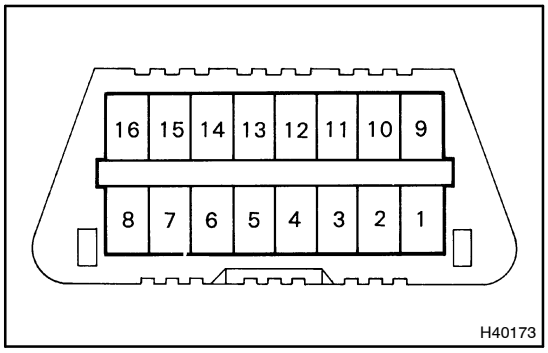
05JPI–01

DIAGNOSIS SYSTEM



1. CHECK DTC

(a) The vehicle's ECM conforms to ISO 9141–2 for communication protocol. The terminal arrangement of the DLC3 complies with ISO J15031–3 and meets the ISO 9141–2 format.

Terminal No.	Connection/Voltage or Resistance	Condition
7	Bus + Line/Pulse generation	During Transmission
4	Chassis Ground ⇔ Body Ground/Below 1 Ω	Always
16	Battery Positive ⇔ Body Ground/10 to 14 V	Always

HINT:

If the display shows UNABLE TO CONNECT TO VEHICLE when you connect the cable of the hand–held tester to the DLC3, turn the ignition switch to the ON position and operate the hand–held tester, there is a problem on the vehicle side or tool side.

- If communication is normal when the tool is connected to another vehicle, inspect the DLC3 on the original vehicle.
- If communication is still not possible when the tool is connected to another vehicle, the problem is probably in the tool itself. Consult the Service Department listed in the tool's instruction manual.

2. FUNCTION OF SRS WARNING LIGHT

(a) Primary check.

(1) Turn the ignition switch to the LOCK position. Wait for at least 2 seconds, then turn the ignition switch to the ON position. The SRS warning light comes on for approximately 6 seconds and the airbag system diagnosis (including the seat belt pretensioner) is performed.

HINT:

If trouble is detected during the primary check, the SRS warning light remains on or blinks even after the primary check period (for approximately 6 seconds) has elapsed.

(b) Constant check.

(1) After the primary check, the airbag sensor assy center constantly monitors the SRS airbag system for trouble.

HINT:

If trouble is detected during the constant check, the airbag sensor assy center functions as follows:

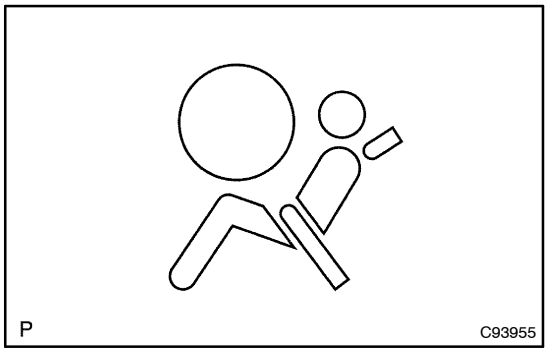
- The SRS warning light comes on or blinks.
- The SRS warning light goes off, and then comes on. This blinking pattern indicates the source voltage drop. The SRS warning light goes off 10 seconds after the source voltage returns to normal.

(c) Review.

(1) When the airbag system is normal:
The SRS warning light comes on only during the primary check period (for approximately 6 seconds after the ignition switch is turned to the ON position).

(2) When the airbag system has trouble:
- The SRS warning light remains on or blinks even after the primary check period has elapsed.
- The SRS warning light goes off after the primary check, but comes on or blinks again during the constant check.
- The SRS warning light does not come on when turning the ignition switch from the LOCK to ON position.

HINT:
The airbag sensor assy center keeps the SRS warning light on if the airbag has been deployed.



3. SRS WARNING LIGHT CHECK

(a) Turn the ignition switch to the ON position, and check that the SRS warning light comes on for approximately 6 seconds (primary check).

(b) Check that the SRS warning light goes off approximately 6 seconds after the ignition switch is turned to the ON position (constant check).

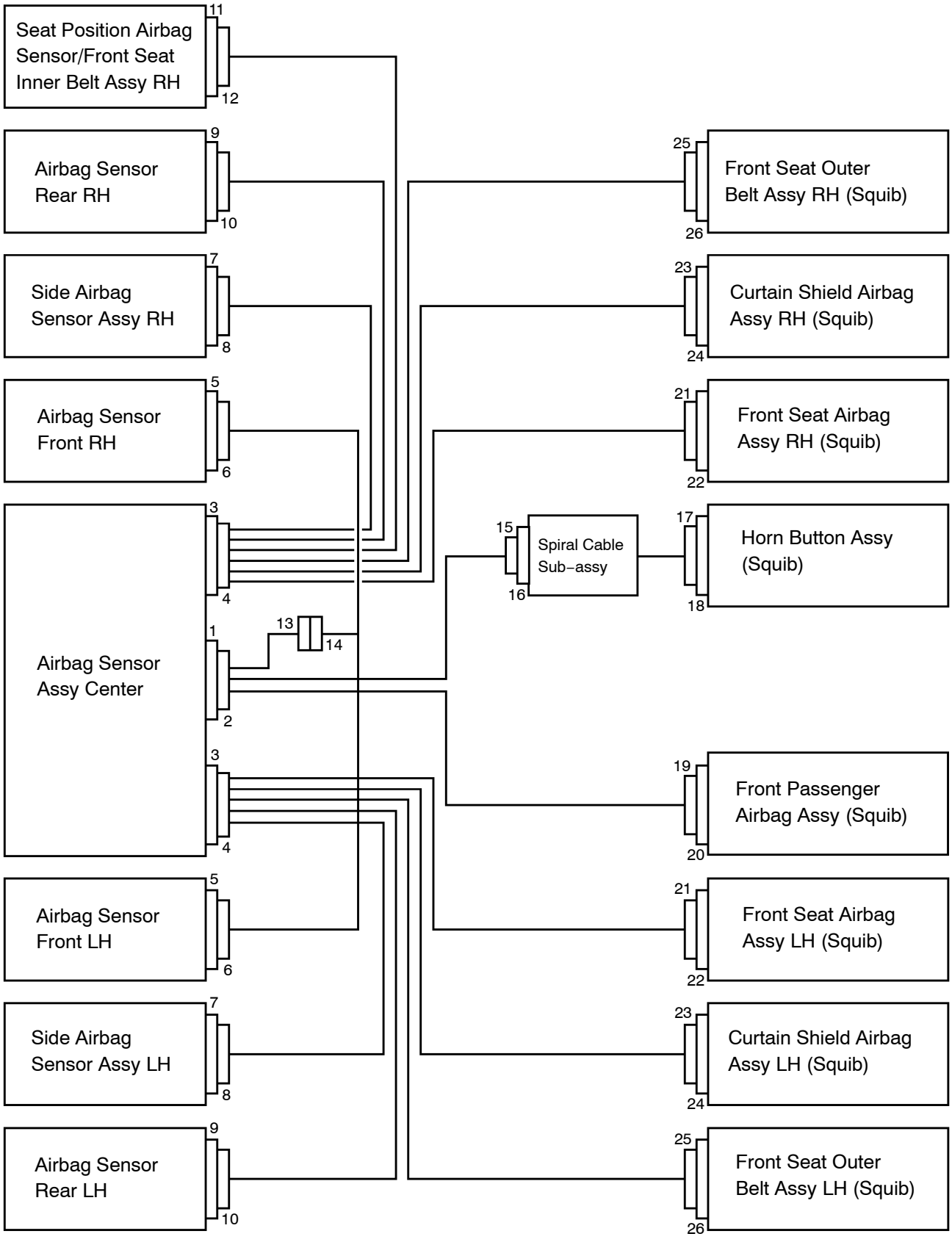
HINT:
When any of the following symptoms occur, refer to the "Problem Symptoms Table" (see page 05–522).
- The SRS warning light comes on occasionally, even after the primary check period has elapsed.
- The SRS warning light comes on, but a DTC is not output.
- The ignition switch is turned from the LOCK to ON position, both the SRS warning light does not come on.

4. RELEASE METHOD OF ACTIVATION PREVENTION MECHANISM

(a) The activation prevention mechanism is built into the connector for the squib circuit of the SRS. As explained in the troubleshooting section, insert a piece of paper that is the same thickness as the male terminal between the terminal and the short spring to release it (Refer to the illustrations on the next 4 pages).

CAUTION:
- **Never release the activation prevention mechanism unless specially directed by the troubleshooting procedure.**
- **To prevent the terminal and the short spring from being damaged, always use a piece of paper that is the same thickness as the male terminal.**

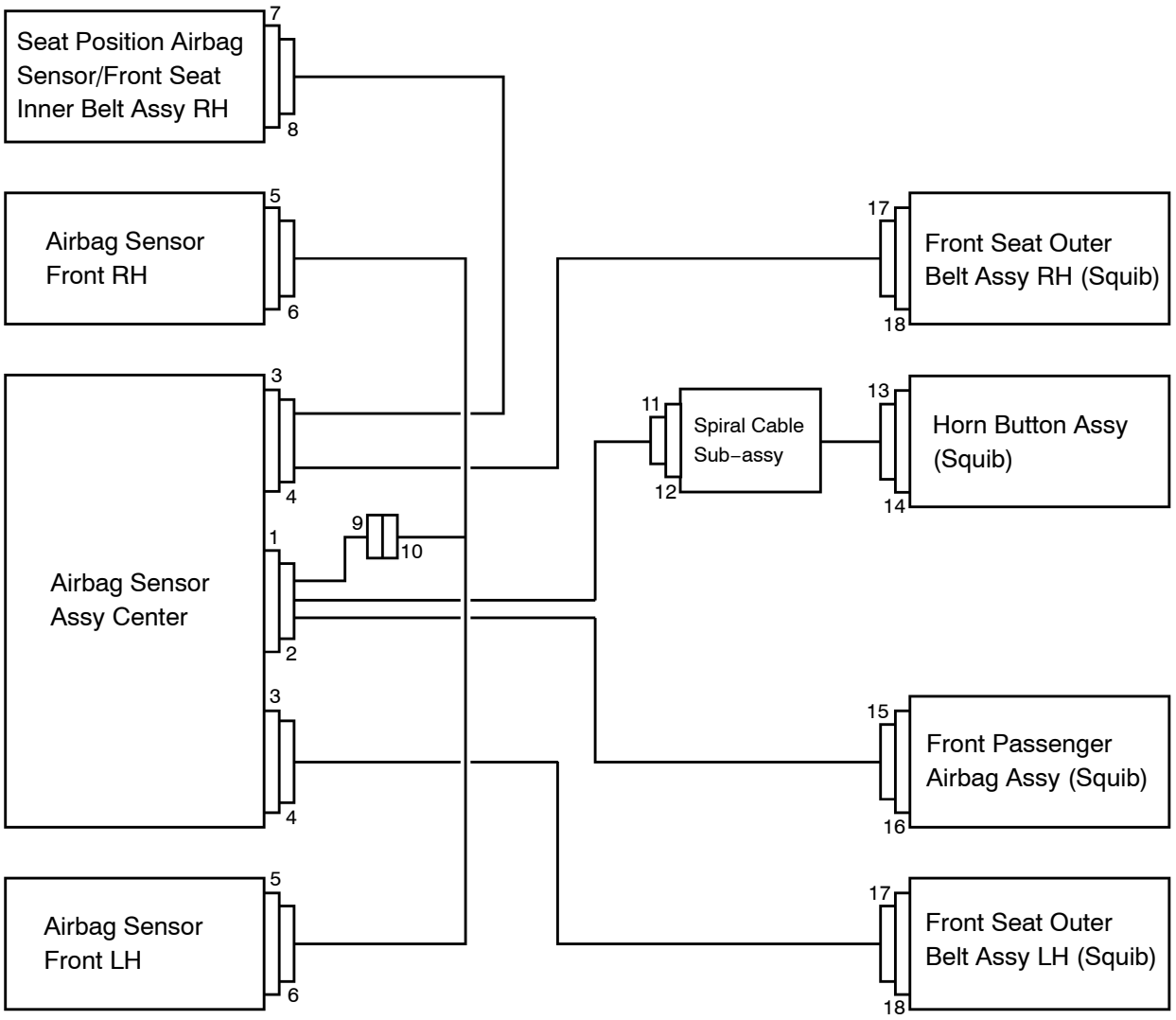
w/ Side and Curtain Shield Airbag:



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H44600

w/o Side and Curtain Shield Airbag:

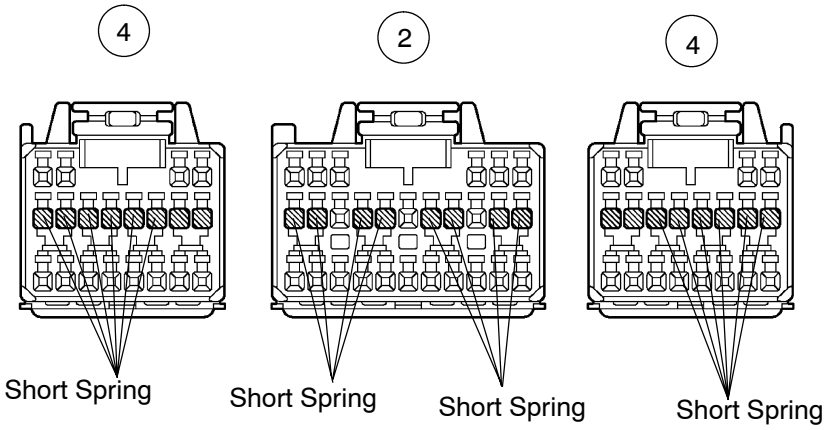


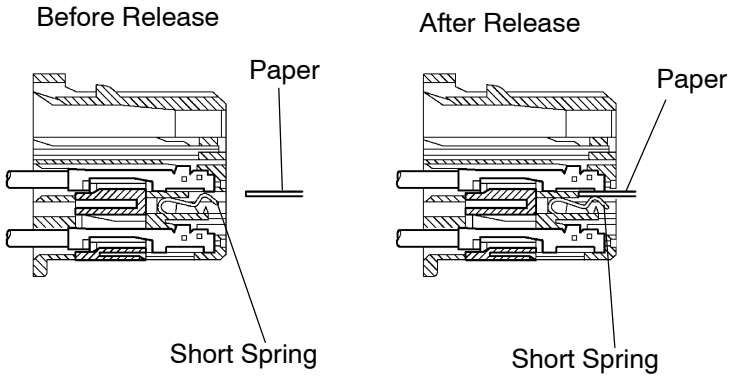
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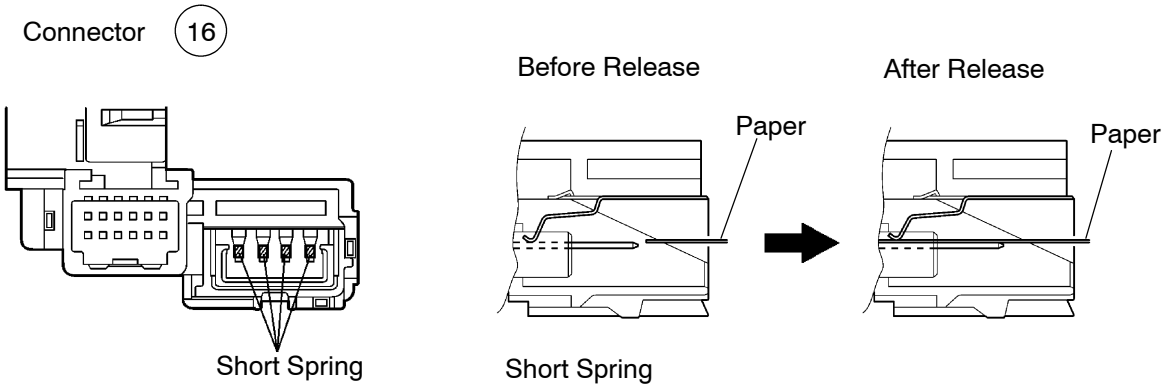
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w/ Side and Curtain Shield Airbag:

Airbag Sensor Assy Center Side Connector



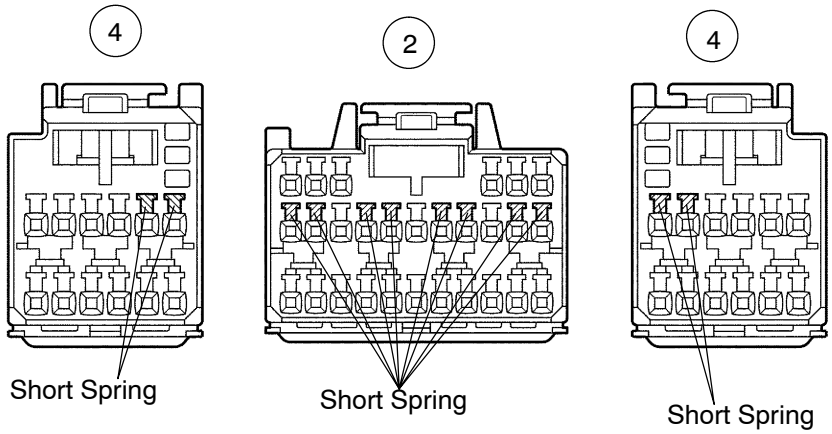


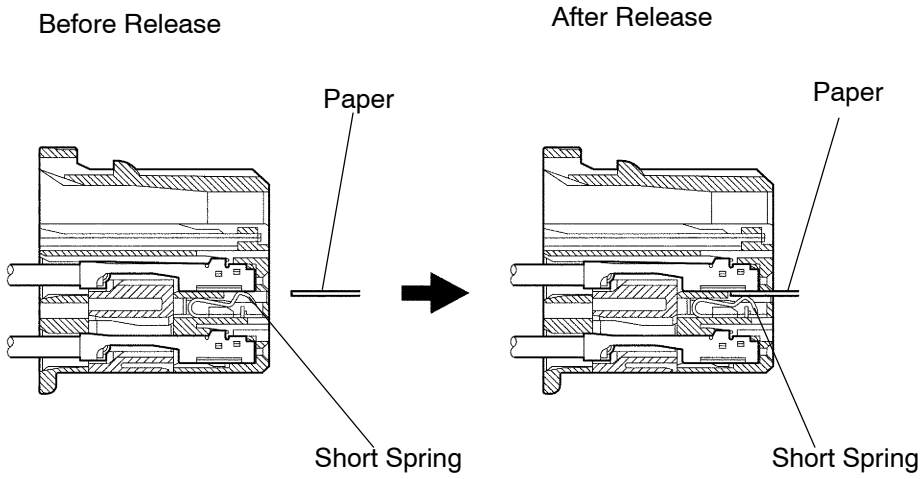


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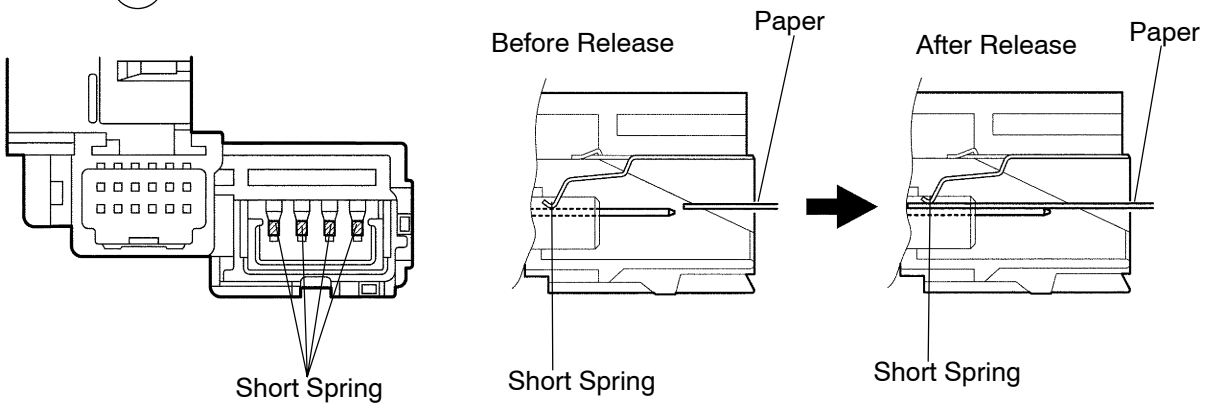
w/o Side and Curtain Shield Airbag:

Airbag Sensor Assy Center Side Connector





Connector 16



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