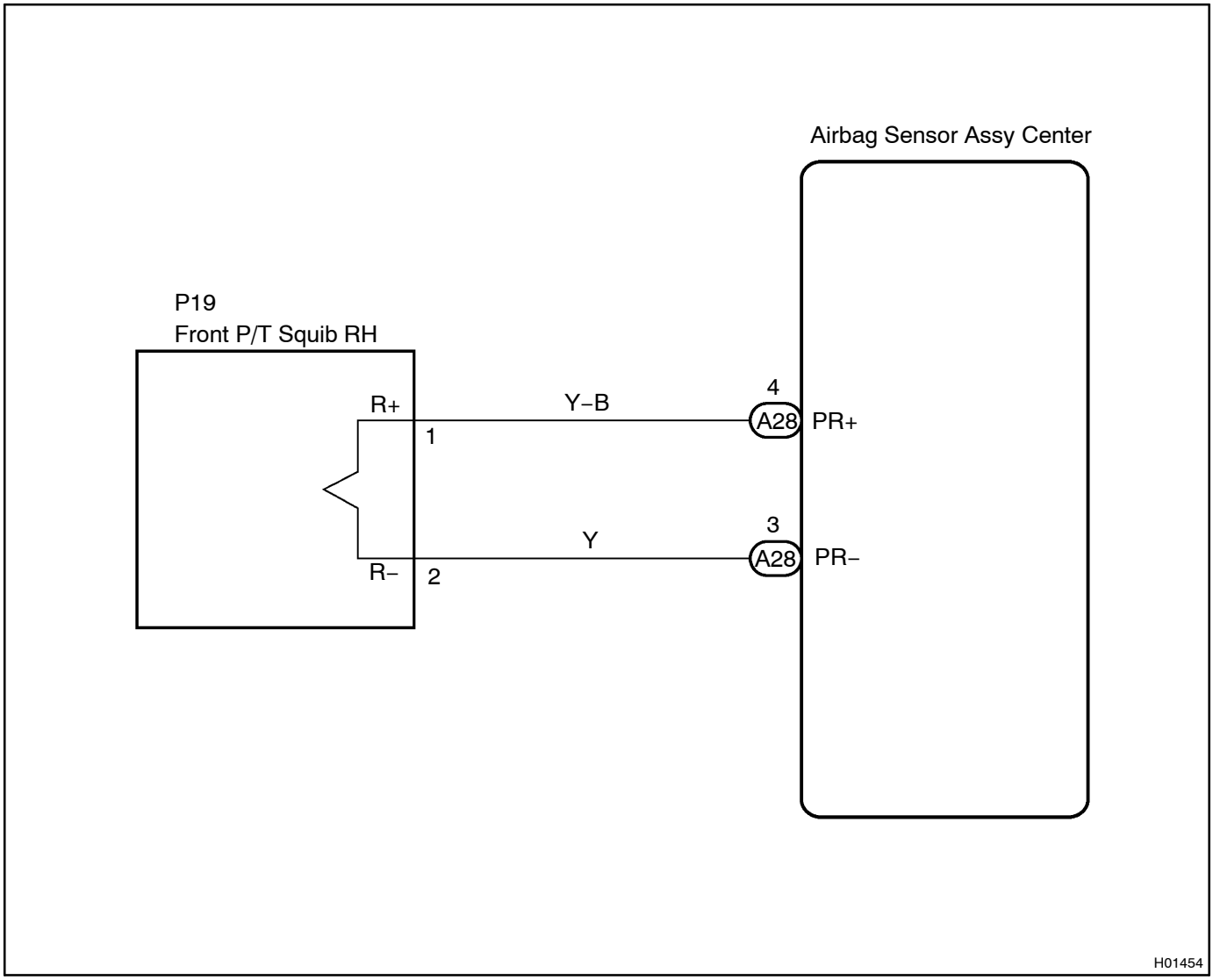
DTC B1900 SHORT IN FRONT P/T SQUIB (RH) CIRCUIT

CIRCUIT DESCRIPTION

The front P/T squib RH circuit consists of the airbag sensor assy center and the front seat outer belt assy RH.
This circuit instructs the SRS to deploy when deployment conditions are met.
DTC B1900 is recorded when a short circuit is detected in the front P/T squib RH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1900	• When the airbag sensor assy center receives a line short signal 5 times in the front P/T squib RH circuit during primary check. • Front P/T squib RH malfunction • Airbag sensor assy center malfunction	• Floor wire • Front seat outer belt assy RH (Front P/T squib RH) • Airbag sensor assy center

WIRING DIAGRAM



INSPECTION PROCEDURE

CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Disconnect the connectors from the airbag sensor assy center.
(d) Disconnect the connectors from the horn button assy.
(e) Disconnect the connector from the front passenger airbag assy.
(f) Disconnect the connector from the instrument panel airbag assy lower No.1.
(g) Disconnect the connector from the instrument panel airbag assy lower No.2.
(h) Disconnect the connector from the front seat airbag assy LH.
(i) Disconnect the connector from the front seat airbag assy RH.
(j) Disconnect the connector from the curtain shield airbag assy LH.
(k) Disconnect the connector from the curtain shield airbag assy RH.
(l) Disconnect the connector from the front seat outer belt assy LH.
(m) Disconnect the connector from the front seat outer belt assy RH.
(n) Disconnect the connectors from the rear seat 3 point type outer belt assy.

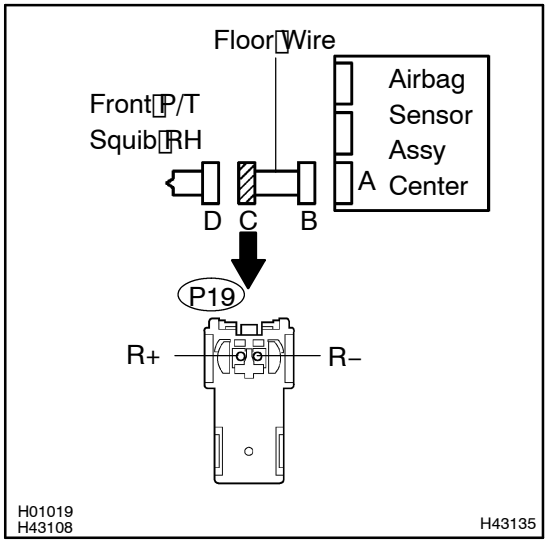
1	CHECK CONNECTOR

(a) Check that the floor wire connector (on the front seat outer belt assy RH side) is not damaged.
OK:
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

2	CHECK FLOOR WIRE(FRONT P/T SQUIB RH CIRCUIT)



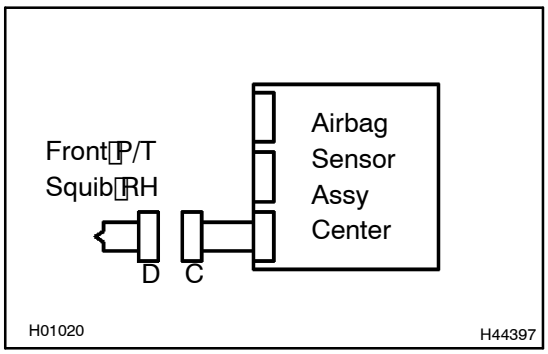
(a) Release the activation prevention mechanism built into connector "B" (see page 05–954).
(b) Measure the resistance according to the value(s) in the table below.
Standard:

Tester connection	Condition	Specified condition
P19–1 (R+) – P19–2 (R–)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

3	CHECK AIR BAG SENSOR ASSY CENTER



(a) Connect the connectors to the airbag sensor assy center.
(b) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(d) Clear the DTCs stored in memory (see page 05–959).
(e) Turn the ignition switch to the LOCK position.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Check the DTCs (see page 05–959).

OK:

DTC B1900 is not output.

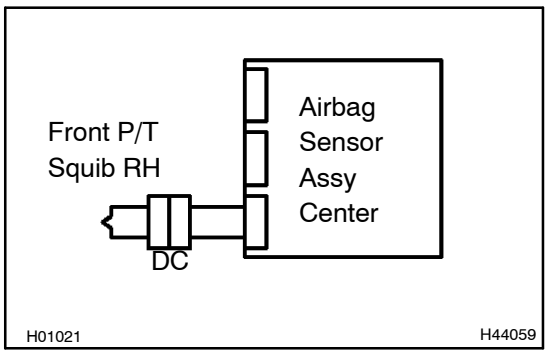
HINT:

Codes other than code B1900 may be output at this time, but they are not related to this check.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60–74)**

OK

4	CHECK FRONT SEAT OUTER BELT ASSY RH(FRONT P/T SQUIB RH)



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Connect the connector to the front seat outer belt assy RH.
(d) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(f) Clear the DTCs stored in memory (see page 05–959).
(g) Turn the ignition switch to the LOCK position.
(h) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(i) Check the DTCs (see page 05–959).
OK:
DTC B1900 is not output.

HINT:
Codes other than code B1900 may be output at this time, but they are not related to this check.

NG → **REPLACE FRONT SEAT OUTER BELT ASSY RH (SEE PAGE 61–17)**

OK

USE SIMULATION METHOD TO CHECK (SEE PAGE 05–954)

HINT:
- Perform the simulation method by selecting the check mode with the intelligent tester II (see page 05–960).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05–960).