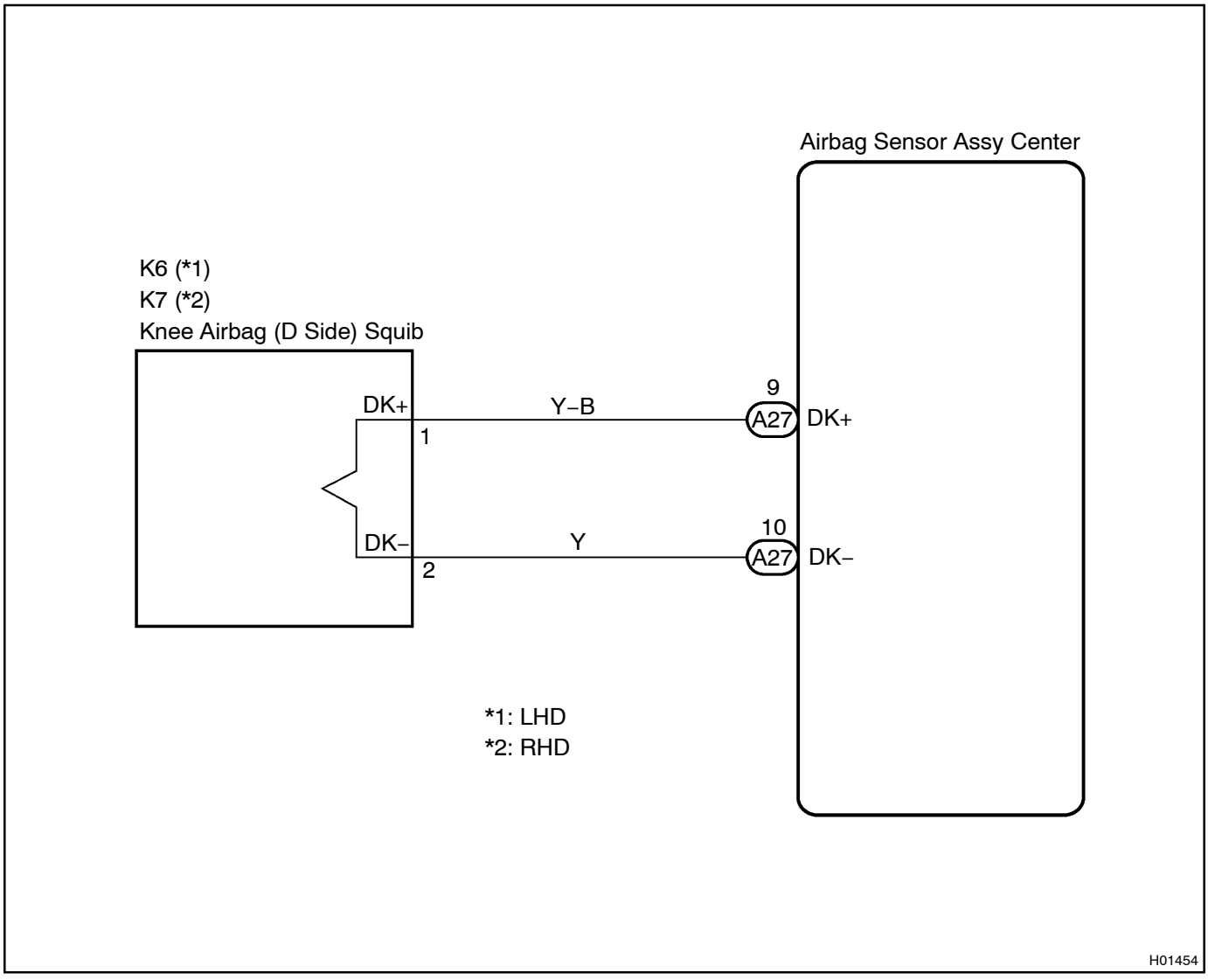
DTC	B1860	SHORT IN KNEE AIRBAG (D SIDE) SQUIB CIRCUIT

CIRCUIT DESCRIPTION

The knee airbag (D side) squib circuit consists of the airbag sensor assy center and the instrument panel airbag assy lower No.1 (LHD) or instrument panel airbag assy lower No.2 (RHD).
The circuit instructs the SRS to deploy when deployment conditions are met.
DTC B1860 is recorded when a short circuit is detected in the knee airbag (D side) squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1860	• When the airbag sensor assy center receives a line short signal 5 times in the knee airbag (D side) squib circuit during primary check. • Knee airbag (D side) squib malfunction • Airbag sensor assy center malfunction	• Instrument panel wire • Instrument panel airbag assy lower No.1 (Knee airbag (D side) squib) (LHD) • Instrument panel airbag assy lower No.2 (Knee airbag (D side) squib) (RHD) • 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) LHD:
Check that the instrument panel wire connector (on the instrument panel airbag assy lower No.1 side) is not damaged.
(b) RHD:
Check that the instrument panel wire connector (on the instrument panel airbag assy lower No.2 side) is not damaged.

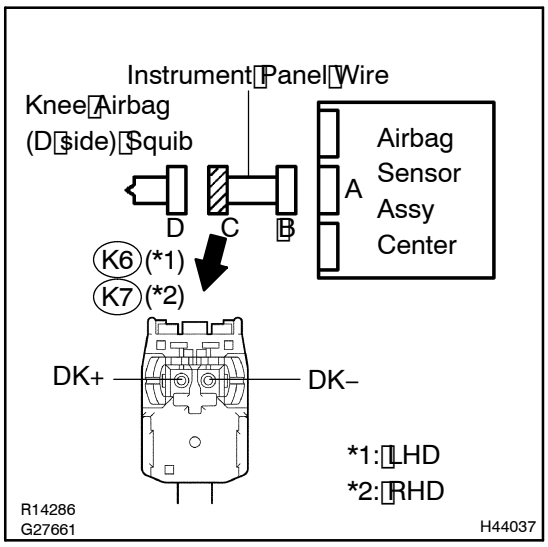
OK:

The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

2 CHECK INSTRUMENT PANEL WIRE(KNEE AIRBAG (D SIDE) SQUIB 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:

LHD:

Tester connection	Condition	Specified condition
K6–1 (DK+) – K6–2 (DK–)	Always	1 MΩ or Higher

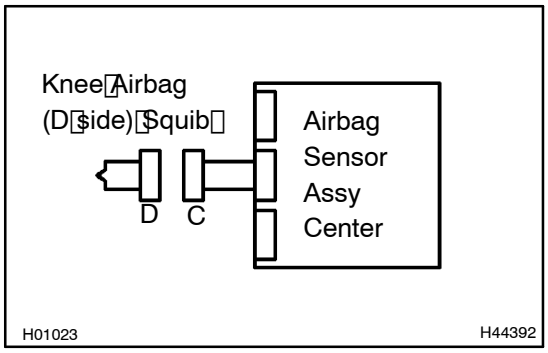
RHD:

Tester connection	Condition	Specified condition
K7–1 (DK+) – K7–2 (DK–)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE INSTRUMENT PANEL 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 B1860 is not output.

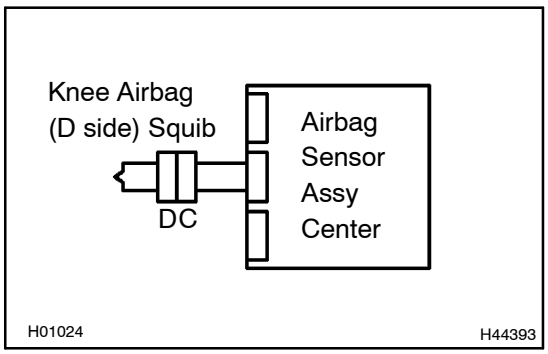
HINT:

Codes other than code B1860 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 KNEE AIRBAG (D SIDE) SQUIB



(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) LHD:
Connect the connector to the instrument panel airbag assy lower No.1.
(d) RHD:
Connect the connector to the instrument panel airbag assy lower No.2.
(e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05–959).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05–959).

Result:

OK	DTC B1860 is not output.	A
NG (LHD)	DTC B1860 is output.	B
NG (RHD)	DTC B1860 is output.	C

HINT:
Codes other than code B1860 may be output at this time, but they are not related to this check.

B → **REPLACE INSTRUMENT PANEL AIR BAG ASSY LOWER NO.1 (SEE PAGE 60–58)**

C → **REPLACE INSTRUMENT PANEL AIR BAG ASSY LOWER NO.2 (SEE PAGE 60–67)**

A

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).