DI8EX–01

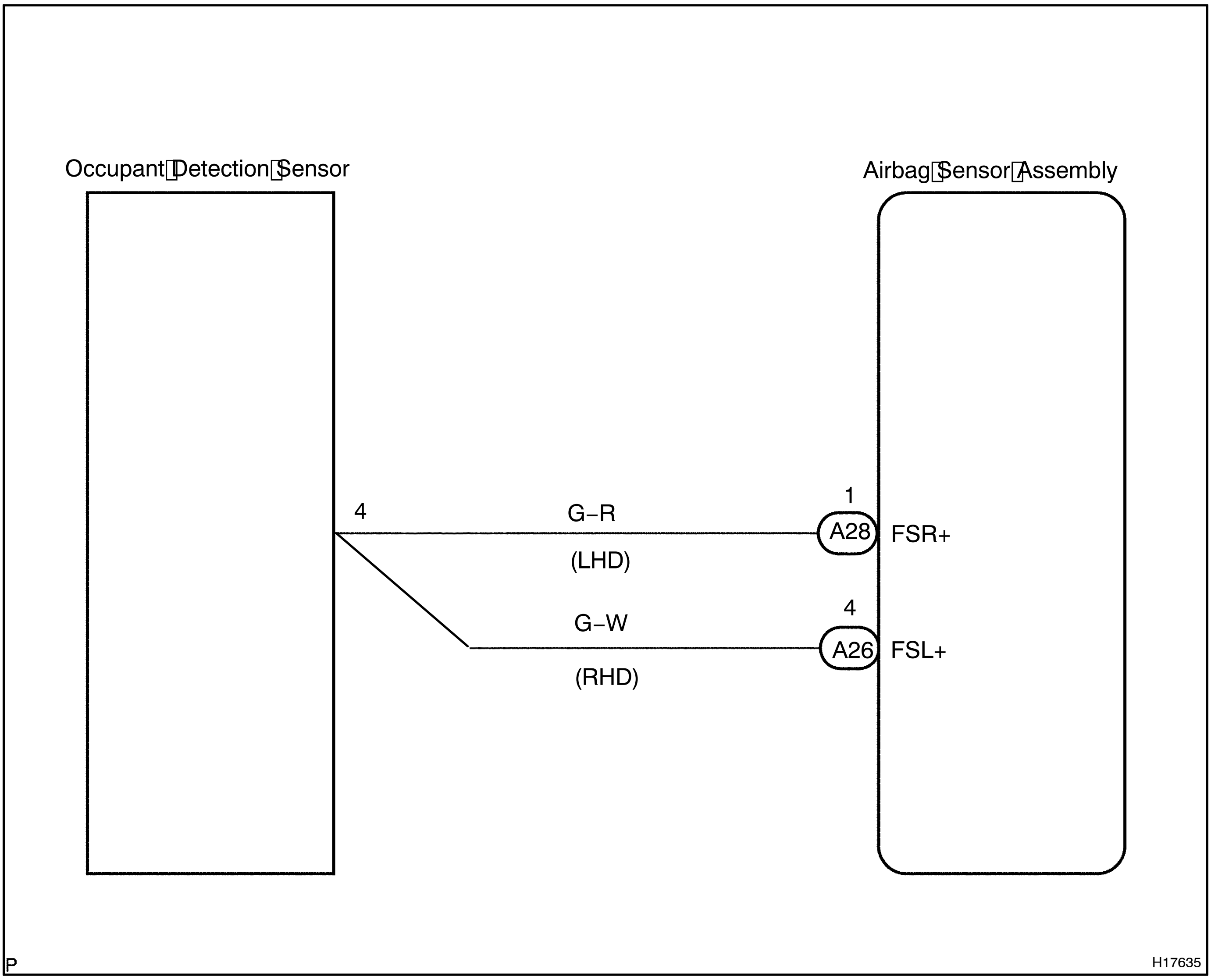
DTC	B1150/23	Occupant Detection Sensor Malfunction

CIRCUIT DESCRIPTION

The occupant detection sensor circuit consists of the airbag sensor assembly and occupant detection sensor.
For details of the function of each components, see OPERATION on page RS–3.
DTC B1150/23 is recorded when a malfunction is detected in the occupant detection sensor circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1150/23	• Occupant detection sensor malfunction	• Occupant detection sensor • Airbag sensor assembly • Wire harness

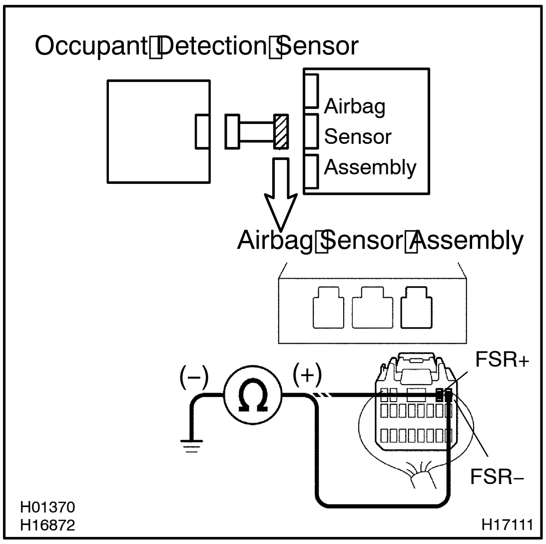
WIRING DIAGRAM



INSPECTION PROCEDURE

1	Prepare for inspection (See step 1 on page DI–484).

2	Check wire harness (to ground).



CHECK:

For the connector (on the airbag sensor assembly side) between the occupant detection sensor and the airbag sensor assembly, measure the resistance between body ground and each of FSR+ and FSR–.

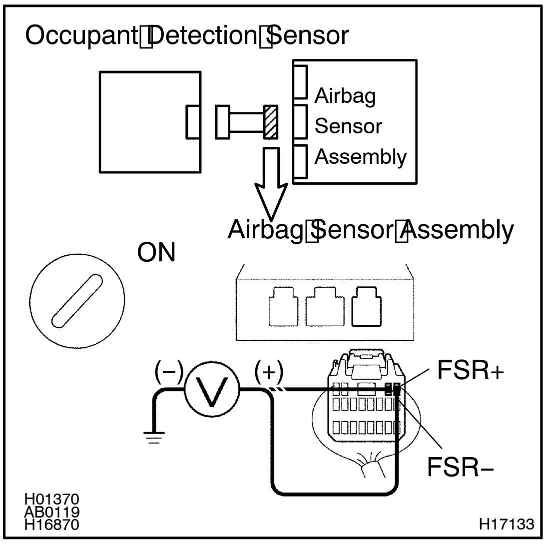
OK:

Resistance: 1 MΩ or Higher

NG	Repair or replace wire harness.

OK

3	Check wire harness (to B+).



PREPARATION:

Deactivate the LEXUS link system (See page DI–484).

CHECK:

(a) Turn the ignition switch to ON.

(b) For the connector (on the airbag sensor assembly side) between the occupant detection sensor and the airbag sensor assembly, measure the voltage between body ground and each of FSR+ and FSR–.

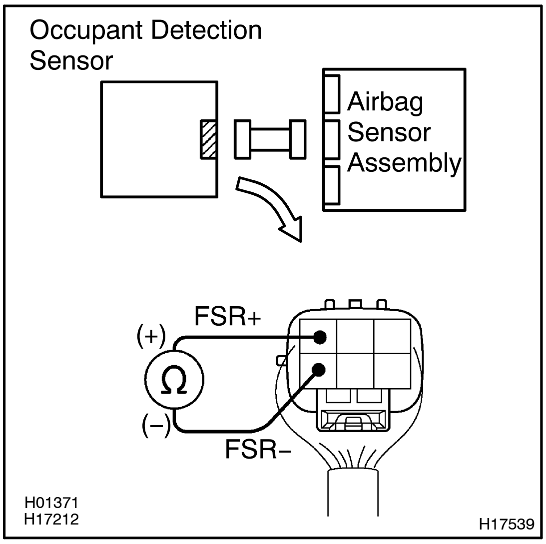
OK:

Voltage: Below 1 V

NG	Repair or replace wire harness.

OK

4	**Check occupant detection sensor.**



CHECK:

Without passenger on a passenger seat:

For the connector of the occupant detection sensor, connect the positive (+) lead from the ohmmeter to terminal FSR+ and the negative (–) lead to terminal FSR–, measure the resistance between FSR+ and FSR–.

OK:

Resistance: 50 kΩ or Higher

CHECK:

With passenger on a passenger seat:

For the connector of the occupant detection sensor, connect the positive (+) lead from the ohmmeter to terminal FSR+ and the negative (–) lead to terminal FSR–, measure the resistance between FSR+ and FSR–.

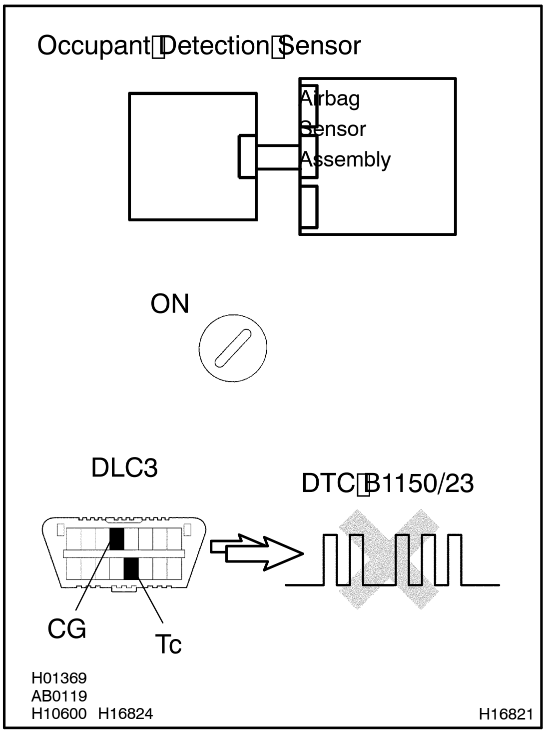
OK:

Resistance: Below 50 kΩ

NG → **Replace seat cushion cover.**

OK

5	Check airbag sensor assembly.



PREPARATION:

(a) Turn the ignition switch to LOCK.

(b) Disconnect negative (–) terminal cable from the battery, and wait at least for 90 seconds.

(c) Connect the occupant detection sensor connector and airbag sensor assembly connector.

(d) Connect negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 20 seconds.

(b) Clear the DTC stored in memory (See step 5 on page DI–484).

(c) Turn the ignition switch to LOCK, and wait at least for 20 seconds.

(d) Turn the ignition switch to ON, and wait at least for 20 seconds.

(e) Check the DTC (See page DI–484).

OK:

DTC B1150/23 is not output.

HINT:

Codes other than code B1150/23 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.