DTC	B0137/71	Short in P/T Squib (LH) Circuit (to Ground)

CIRCUIT DESCRIPTION

The front P/T squib (LH) circuit consists of the airbag sensor assembly and front seat belt pretensioner (LH). It causes the SRS to deploy when the SRS deployment conditions are satisfied.

For details of the function of each component, see OPERATION on page RS–3.

DTC B0137/71 is recorded when a ground short is detected in the front P/T squib (LH) circuit.
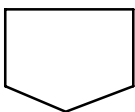
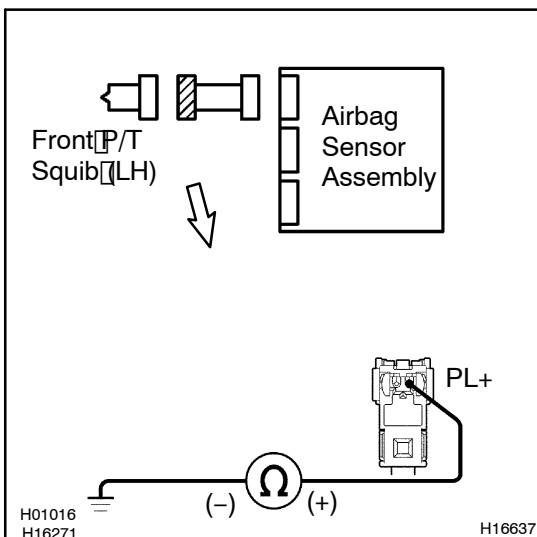| DTC No.	DTC Detecting Condition	Trouble Area
B0137/71	• Short circuit in front P/T squib (LH) wire harness (to ground) • Front P/T squib (LH) malfunction • Airbag sensor assembly malfunction	• Front seat belt pretensioner (LH) • Airbag sensor assembly • Wire harness

WIRING DIAGRAM

See page DI–576.

INSPECTION PROCEDURE

1	Prepare for inspection (See step 1 on page DI–703).

2	Check front P/T squib (LH) circuit.

CHECK:
For the connector (on the front seat belt pretensioner side) between the front seat belt pretensioner (LH) and the airbag sensor assembly, measure the resistance between PL+ and body ground.
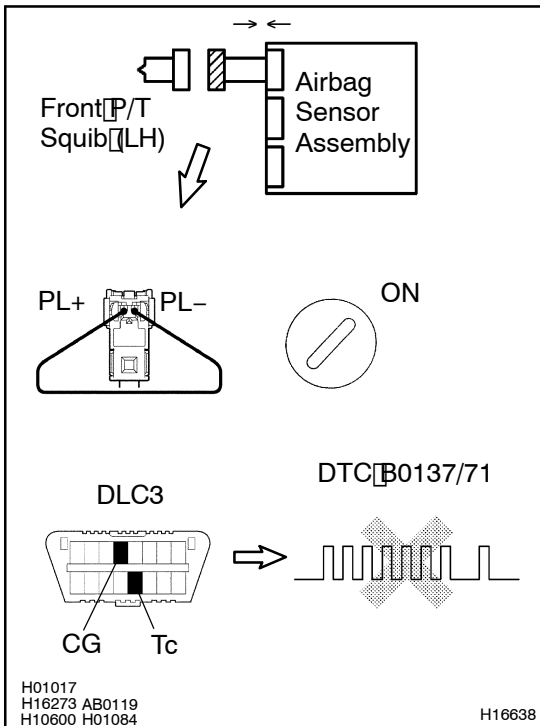**OK:**

Resistance: 1 MΩ or Higher

NG	Repair or replace harness or connector between front seat belt pretensioner (LH) and airbag sensor assembly.

OK

3	Check airbag sensor assembly.

Front P/T Squib (LH)

Airbag Sensor Assembly

PL+ PL– ON

DTC B0137/71

DLC3

CG   Tc

H01017
H16273 AB0119
H10600 H01084
H16638

PREPARATION:
(a) Connect the connector to the airbag sensor assembly.
(b) Using a service wire, connect PL+ and PL– of the connector (on the front seat belt pretensioner side) between the front seat belt pretensioner (LH) and the airbag sensor assembly.
(c) 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 B0137/71 is not output.

HINT:
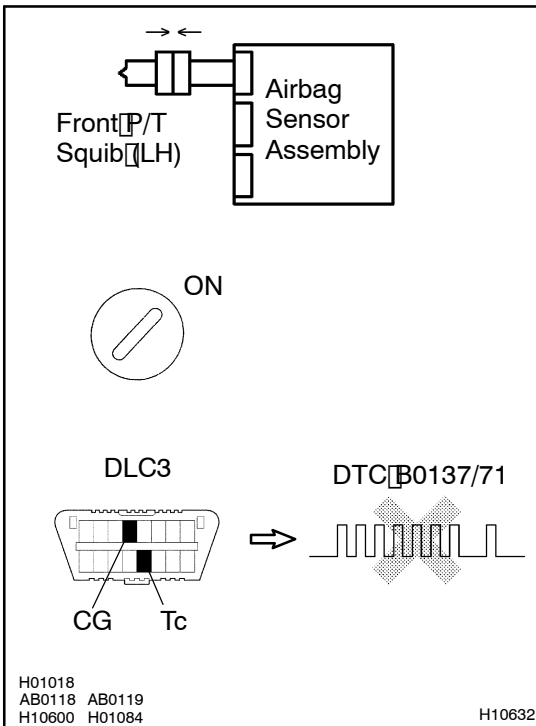Codes other than code B0137/71 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

OK

4	Check front P/T squib (LH).

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 front seat belt pretensioner (LH) 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 B0137/71 is not output.

HINT:
Codes other than code B0137/71 may be output at this time, but they are not relevant to this check.

NG ⟩	**Replace front seat belt pretensioner (LH).**

Front P/T Squib (LH)

Airbag Sensor Assembly

ON

DLC3

DTC B0137/71

CG   Tc

H01018
AB0118 AB0119
H10600   H01084

H10632

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. If the malfunctioning part can not be detected by the simulation method, replace all SRS components including the wire harness.