DI23U–02

DTC	B0106/54	Open in P Squib Circuit.

CIRCUIT DESCRIPTION

The P squib circuit consists of the airbag sensor assembly and front passenger airbag assembly.
If 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–2.
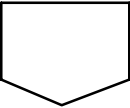DTC B0106/54 is recorded when an open is detected in the P squib circuit.

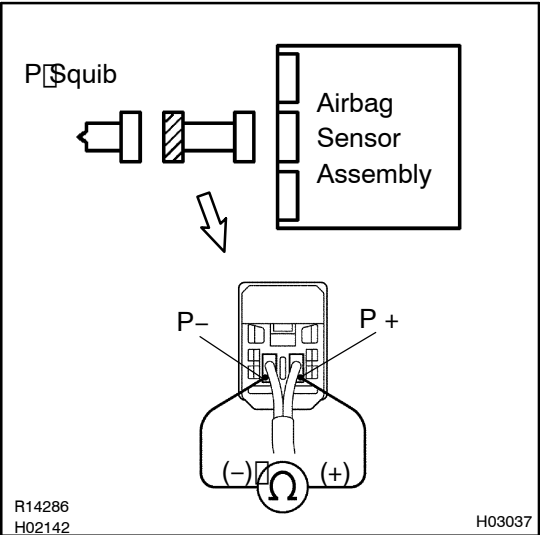| DTC No.	DTC Detecting Condition	Trouble Area
B0106/54	• Open circuit in P squib wire harness or P– wire harness of squib • P squib malfunction • Airbag sensor assembly malfunction	• Front passenger airbag assembly (P squib) • Airbag sensor assembly • Wire harness

WIRING DIAGRAM

See page DI–420.

INSPECTION PROCEDURE

1	Prepare for inspection. (See step 1 on **page DI–503**)

2	Check P squib circuit.

P Squib

Airbag Sensor Assembly
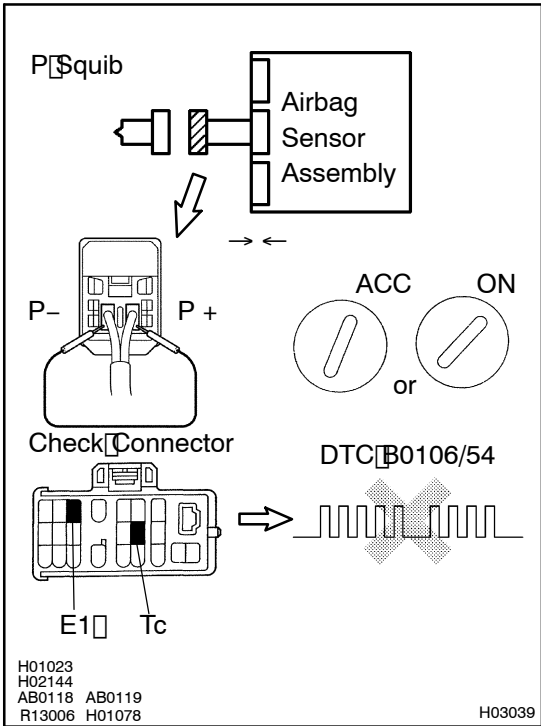
P– P +

R14286
H02142

H03037

CHECK:
For the connector (on the front passenger airbag assembly side) between the front passenger airbag assembly and airbag sensor assembly, measure the resistance between P+ and P–.
OK:
        Resistance: Below 1 Ω

NG > **Repair or replace harness or connector between the front passenger airbag assembly and airbag sensor assembly.**

OK

3	Check airbag sensor assembly.

P Squib

Airbag Sensor Assembly

P–   P +

ACC   ON

or

Check Connector

DTC B0106/54

E1   Tc

H01023
H02144
AB0118   AB0119
R13006   H01078

H03039

PREPARATION:
(a) Connect the connector to the airbag sensor assembly.
(b) Using a service wire, connect P+ and P– of the connector (on the front passenger airbag assembly side) between the front passenger airbag assembly and airbag sensor assembly.
(c) Connect negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:
(a) Turn ignition switch to ACC or ON and wait at least for 20 seconds.
(b) Clear DTC stored in memory.
(See page DI–386)
(c) Turn ignition switch to LOCK, and wait at least for 20 seconds.
(d) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
(e) Check DTC.
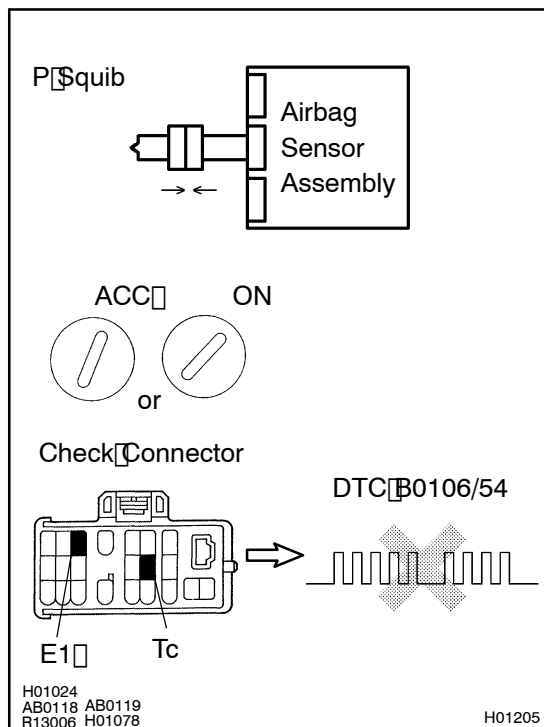(See page DI–386)

OK:

DTC B0106/54 is not output.

HINT:

Codes other than DTC B0106/54 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

OK

4	Check P squib.

P Squib

Airbag Sensor Assembly

→ ←

ACC   ON

or

Check Connector

DTC B0106/54

E1   Tc

H01024
AB0118 AB0119
R13006 H01078   H01205

PREPARATION:
(a) Turn ignition switch to LOCK.
(b) Disconnect negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the front passenger airbag assembly connector.
(d) Connect negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:
(a) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
(b) Clear DTC stored in memory.
     (See page DI–386)
(c) Turn ignition switch to LOCK, and wait at least for 20 seconds.
(d) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
(e) Check DTC.
     (See page DI–386)

OK:

DTC B0106/54 is not output.

HINT:
Codes other than DTC B0106/54 may be output at this time, but they are not relevant to this check.

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