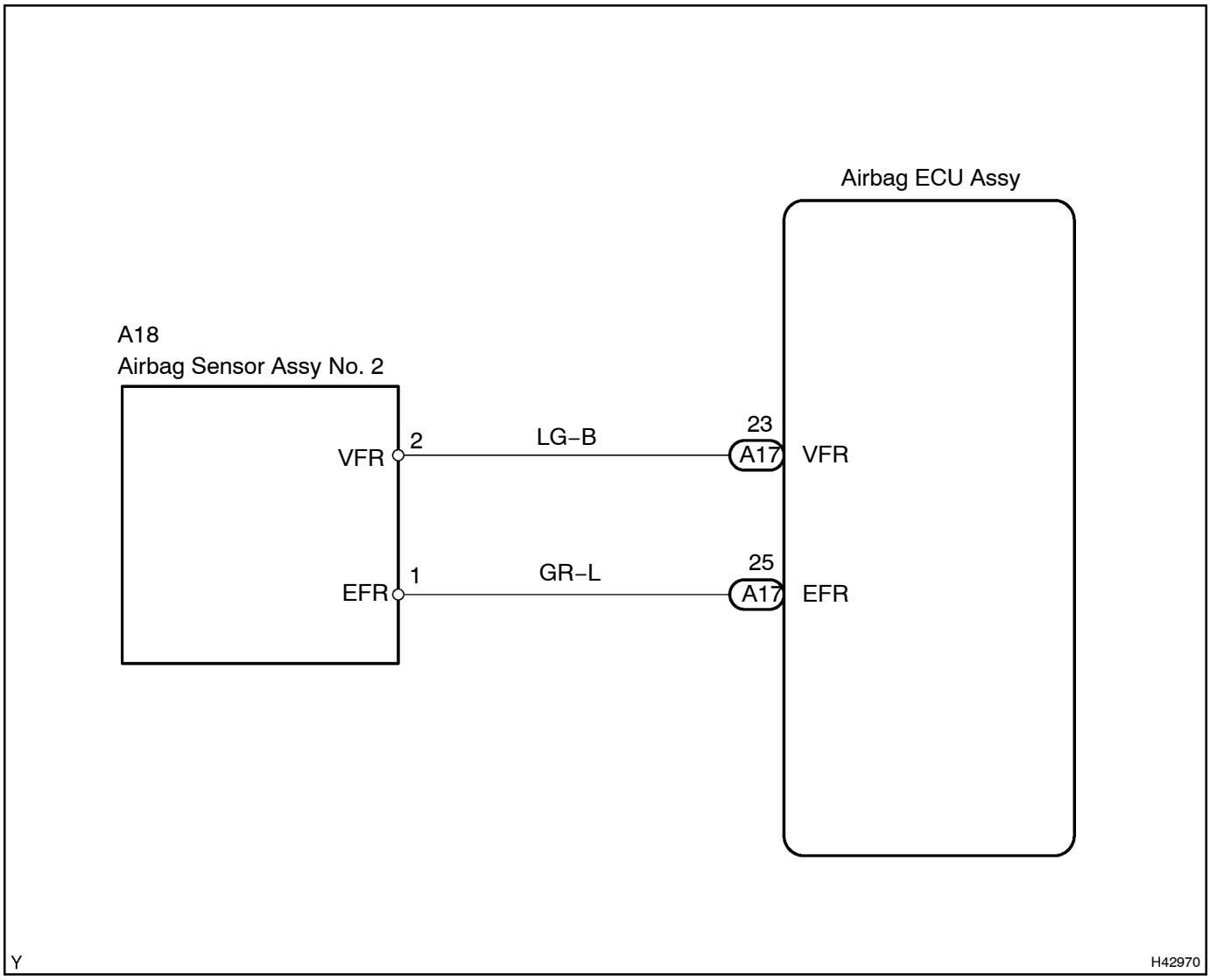
DTC	B1148/36	SHORT IN AIRBAG SENSOR ASSY NO. 2 CIRCUIT (TO B+)

CIRCUIT DESCRIPTION

The airbag sensor assy No. 2 consists of the diagnosis circuit, frontal deceleration sensor, etc.
It receives signals from the frontal deceleration sensor, judges whether the SRS should be activated or not, and detects a malfunction in the diagnosis system.
DTC B1148/36 is recorded when a malfunction is detected in the airbag sensor assy No. 2.

DTC No.	DTC Detection Condition	Trouble Area
B1135/24	• Airbag sensor assy No. 2 malfunction	• Airbag sensor assy No. 2 • Cowl wire

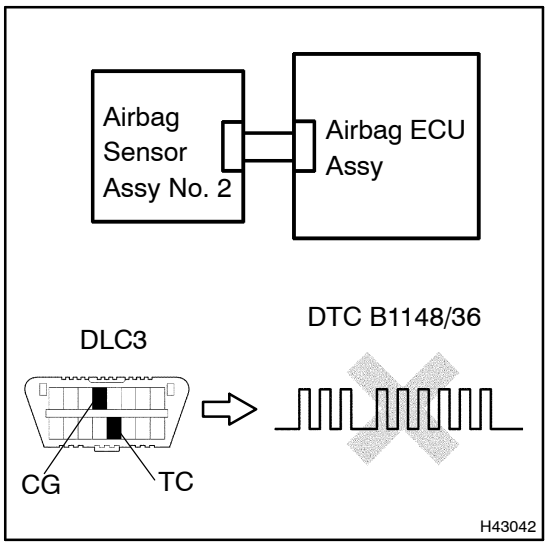
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK AIR BAG SENSOR ASSY NO.2

SST 09843–18040



(a) Connect the negative (–) terminal cable to the battery and wait at least for 2 seconds.
(b) Turn the ignition switch to ON and wait at least for 20 seconds.
(c) Clear the DTC stored in the memory (See page 05–312).
(d) Turn the ignition switch to LOCK and wait at least for 20 seconds.
(e) Turn the ignition switch to ON and wait at least for 60 seconds.
(f) Check for DTC (See page 05–312).
OK:
DTC B1148/36 is not output.

HINT:
Codes other than code B1148/36 may be output at this time, but they are not relevant to this check.

NG → **Go to step 2**

OK

USE SIMULATION METHOD TO CHECK

2 CHECK AIRBAG SENSOR ASSY NO.2 CONNECTOR

(a) Disconnect the negative (–) terminal cable from the battery and wait at least for 90 seconds.
(b) Check the connection of the airbag sensor assy No. 2 connector.

NG → **CONNECT CONNECTORS**

OK

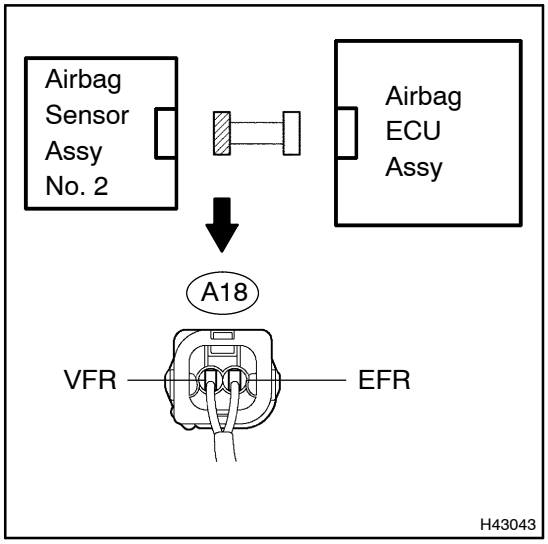
3 CHECK AIRBAG ECU ASSY CONNECTOR

(a) Check the connection of the airbag ECU assy connector.

NG → **CONNECT CONNECTORS**

OK

4	CHECK COWL WIRE (AIRBAG ECU ASSY ⇔ AIRBAG SENSOR ASSY NO.2)



(a) Disconnect the connector between the airbag ECU assy and the airbag sensor assy No. 2.

(b) For the connector (on the airbag sensor assy No. 2 side) between the airbag ECU assy and the airbag sensor assy No. 2, measure the resistance between VFR, EFR and body ground.

OK:

Resistance: 1 MΩ or higher

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

(d) Turn the ignition switch to ON.

(e) For the connector (on the airbag sensor assy No. 2 side) between the airbag ECU assy and the airbag sensor assy No. 2, measure the voltage between VFR or EFR of the A18 connector and body ground.

OK:

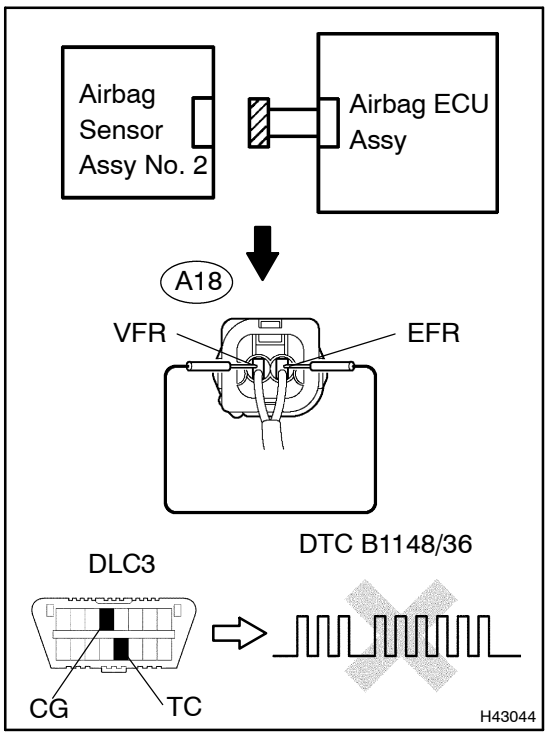
Voltage: Below 1 V

NG → **REPAIR OR REPLACE COWL WIRE**

OK

5 CHECK AIR BAG SENSOR ASSY NO.2

SST 09843–18040



(a) Disconnect the negative (–) terminal cable from the battery and wait at least for 90 seconds.
(b) Connect the connector to the airbag ECU assy.
(c) Using a service wire, connect terminals VFR and EFR of the A18 connector (on the airbag sensor assy No. 2 side) between the airbag ECU assy and the airbag sensor assy No. 2.
(d) Conect the negative (–) terminal cable to the battery and wait at least for 2 seconds.
(e) Turn the ignition switch to ON and wait at least for 20 seconds.
(f) Clear the DTC stored in the memory (See page 05–312).
(g) Turn the ignition switch to ON and wait at least for 60 seconds.
(h) Check for DTC (See page 05–312).

OK:

DTC B1148/36 is not output.

HINT:

Codes other than code B1148/36 may be output at this time, but they are not relevant to this check.

NG → **REPLACE AIR BAG SENSOR ASSY NO.2**

OK

USE SIMULATION METHOD TO CHECK