

Diag. Code 22 Airbag Warning Light System Malfunction

CIRCUIT DESCRIPTION

The airbag warning light is located on the combination meter.

When the airbag system is normal, the airbag warning light lights up for approx. 6 seconds after the ignition switch is turned from LOCK position to ACC or ON position, and then turns off automatically. If there is a malfunction in the airbag system, the airbag warning light lights up to inform the driver of the abnormality.

When terminals Tc and E1 of the check connector are connected, the diagnostic code is displayed by the blinking of the airbag warning light.

The airbag warning light circuit is equipped with an electrical connection check mechanism which detects when the connector to the center airbag sensor assembly is not properly connected.

If the connector to the center airbag sensor assembly is not properly connected, the airbag warning light will not light up.

Diagnostic code 22 is recorded when a malfunction occurs in the airbag warning light system.

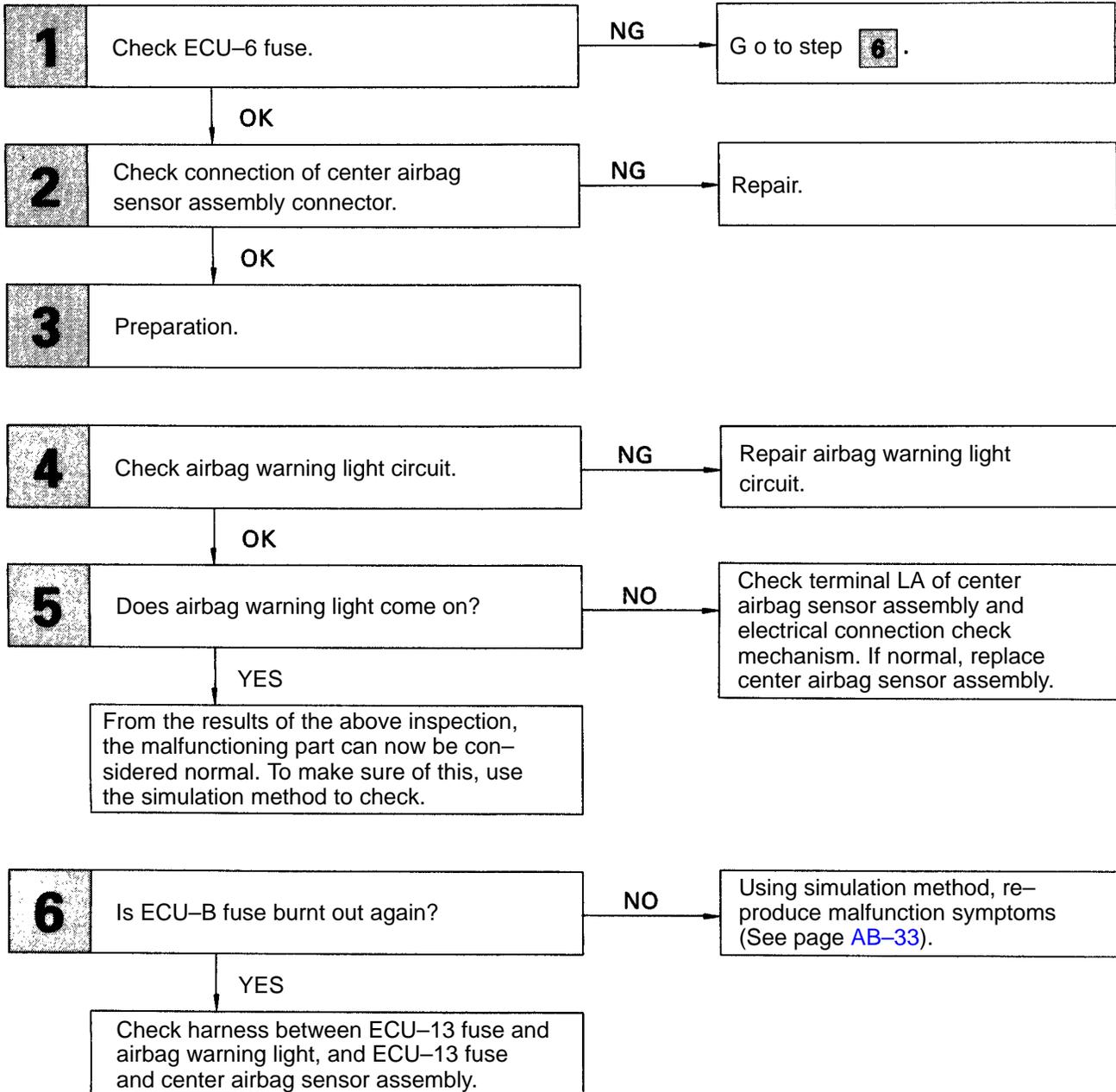
If an OPEN malfunction occurs in the airbag warning light system, the airbag warning light does not light up, so that until the malfunction is repaired, the diagnostic codes (including code 22) cannot be confirmed.

Code No.	Diagnosis
22	<ul style="list-style-type: none">• Open circuit in airbag warning light system.• Center airbag sensor assembly malfunction.

DIAGNOSTIC CHART

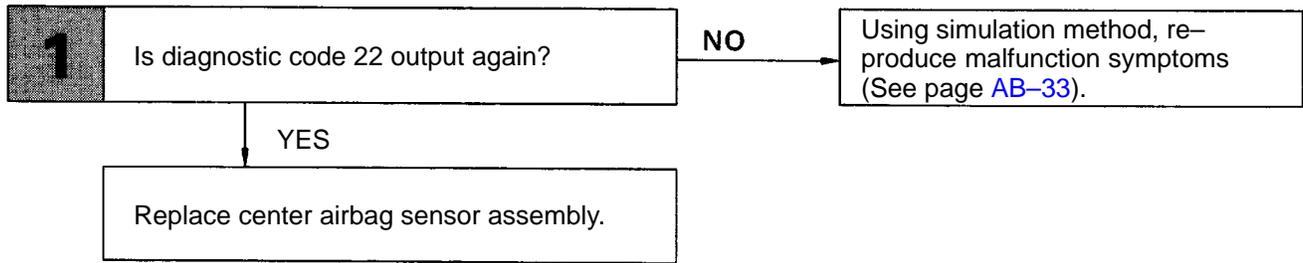
Troubleshooting for this system is different for when the airbag warning light does not light up and for when diagnostic code 22 is output. Confirm the problem symptoms first before selecting the appropriate troubleshooting procedure.

HINT: If airbag warning light does not light up, perform the following troubleshooting:

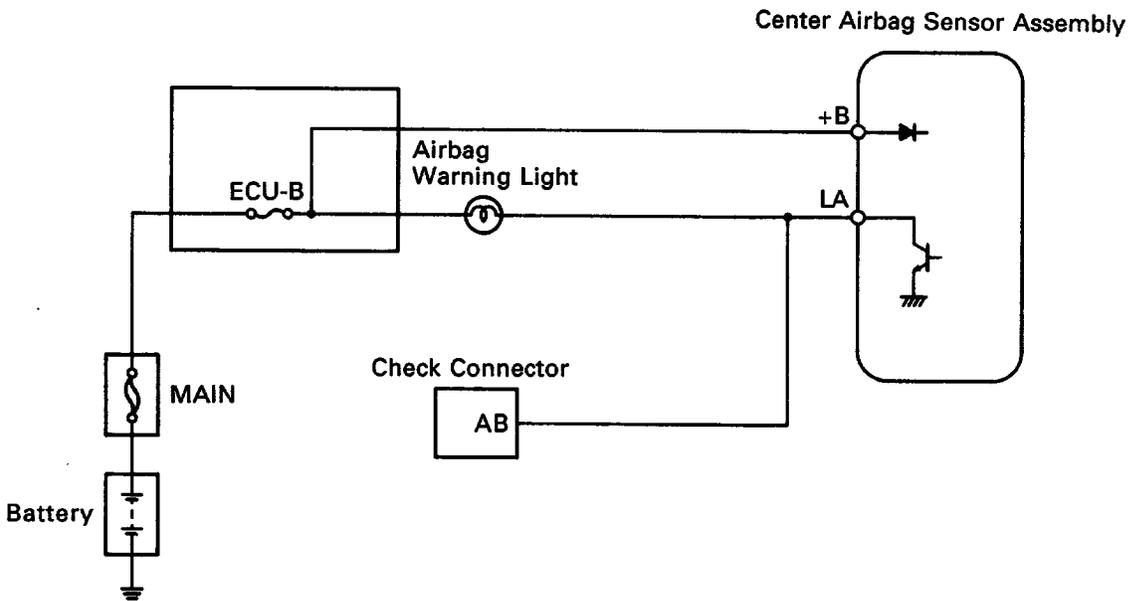


DIAGNOSTIC CHART

HINT: If diagnostic code 22 is output, perform the following troubleshooting:



WIRING DIAGRAM

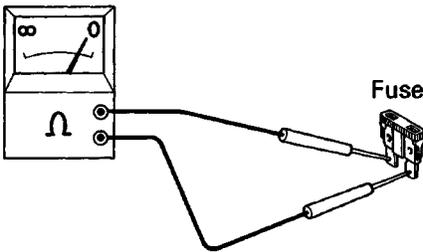
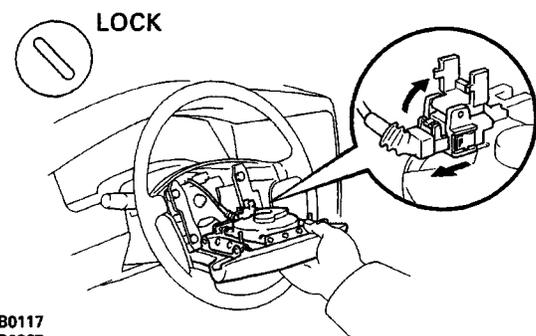


AB0240

INSPECTION PROCEDURES

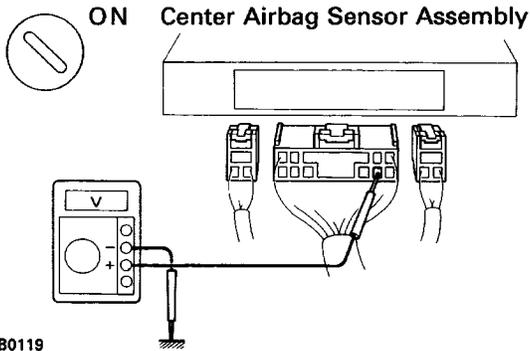
P Preparation **C** Check

HINT: If airbag warning light does not light up, perform the following troubleshooting:

1	Check ECU-B fuse.
 <p>FI0044</p>	<p>P Remove ECU-13 fuse.</p> <p>C Check continuity of ECU-13 fuse.</p> <p>OK Continuity.</p> <p>Hint</p> <ul style="list-style-type: none"> • Fuse may be burnt out even if it appears to be OK during visual inspection. • If fuse is OK, install it.
<p>OK</p>	<p>NG Go to step 6.</p>
2	Check connection of center airbag sensor assembly connector.
<p>OK</p>	<p>NG Repair.</p>
3	Preparation.
 <p>LOCK</p> <p>AB0117 AB0267</p>	<p>P</p> <ol style="list-style-type: none"> (1) Disconnect battery negative (-) terminal cable, and wait at least 20 seconds. (2) Remove steering wheel pad (See page AB-15). <p>Caution</p> <p>When storing steering wheel pad, keep upper surface of pad facing upward.</p>



4 Check airbag warning light circuit.

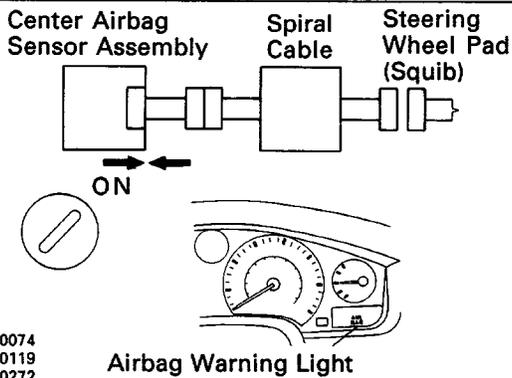


- P** (1) Disconnect center airbag sensor assembly connector.
(2) Connect negative (-) terminal cable to battery.
(3) Turn ignition switch ACC or ON.
- C** Measure voltage LA terminal of harness side connector of center airbag sensor assembly.
- OK** **Voltage: Battery voltage.**

OK

NG Repair airbag warning light circuit.

5 Does airbag warning light come on?



- P** (1) Disconnect negative H terminal cable from battery.
(2) Connect center airbag sensor assembly connector.
(3) Connect negative (-) terminal cable to battery.
(4) Turn ignition switch ACC or ON.
- C** Check operation of airbag warning light.

YES

NO Check terminal LA of center airbag sensor assembly and electrical connection check mechanism. If normal, replace center airbag sensor assembly.

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.

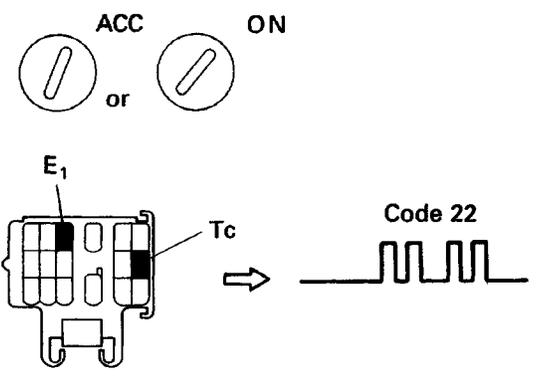
6 Is new ECU-B fuse burnt out again?

YES

NO Using simulation method, reproduce malfunction symptoms (See page [AB-33](#)).

Check harness between ECU-B fuse and airbag warning light, and ECU-B fuse and center airbag sensor assembly.

HINT: If diagnostic code 22 is output, perform the following troubleshooting:

<h1 style="font-size: 2em; margin: 0;">1</h1> <h2 style="margin: 0;">Is diagnostic code 22 output again?</h2>	
 <p>AB0118 AB0119 SH-18-1 FI1392</p>	<p>P Clear malfunction code 41 stored in memory (See page AB-32).</p> <p>C</p> <ol style="list-style-type: none"> (1) Turn ignition switch LOCK, and wait at least 2 seconds. (2) Turn ignition switch ACC or ON, and wait at least 20 seconds. (3) Using SST, connect terminals Tc and E1 of check connector. SST 09843-18020 (4) Check diagnostic code.
<div style="border: 1px solid black; padding: 5px; width: 50px; margin: 0 auto;"> YES </div>	<p>NO Using simulation method, reproduce malfunction symptoms (See page AB-33).</p>
<p>Replace center airbag sensor assembly.</p>	