

CIRCUIT DESCRIPTION

The signal passes the engine ECU and is input to the airbag sensor assembly via multiplex communication system.

Diagram illustrating the wiring connections for the A16 A/C Control Assembly, T5 Tilt and Telescopic ECU, and Airbag Sensor Assembly.

Legend:

- *1: 3UZ-FE
- *2: 2JZ-GE
- *3: Except RHD 2JZ-GE

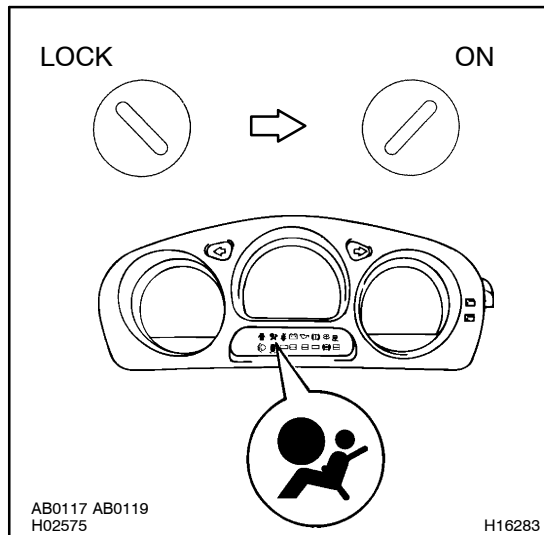
Wiring Details:

- A16 A/C Control Assembly:**
 - Inputs: ID1 (RHD), IJ1 (LHD) (Pins 3, 3) connected via L to MPX+ (Pin 5).
 - Output: MPX- (Pin 16) connected via W to ID1 (RHD), IJ1 (LHD) (Pins 10, 10).
 - Internal: MPX2, Tc.
- T5 Tilt and Telescopic ECU:**
 - Inputs: ID1 (RHD), IJ1 (LHD) (Pins 10, 10) connected via W to MPX1 (Pin 7).
 - Output: MPX2 (Pin 6) connected via R-L to Airbag Sensor Assembly (Pin 24).
 - Internal: D2, DLC3, Tc.
- Airbag Sensor Assembly:**
 - Input: MPX1 (Pin 24) connected via R-L from T5 Tilt and Telescopic ECU (Pin 6).
- Other Connections:**
 - MPX2 (Pin 20) connected via L to ID1 (RHD), IJ1 (LHD) (Pins 3, 3).
 - E5 (*2) (Pin 27) connected via L to ID1 (RHD), IJ1 (LHD) (Pins 3, 3).
 - E5 (*2) (Pin 20) connected via L to ID1 (RHD), IJ1 (LHD) (Pins 3, 3).
 - E5 (*2) (Pin 5) connected via P-B (*3) to Tc.
 - E5 (*1) (Pin 3) connected via P-B (*3) to Tc.
 - J38 J/C (Pin C) connected via P-B (*1, 2) to Tc.
 - J31 J/C (Pin D) connected via P-B (*1, 2) to Tc.

INSPECTION PROCEDURE

If the DTC is not displayed, do the following troubleshooting.

1 Does SRS warning light light up for approx. 6 seconds?



PREPARATION:

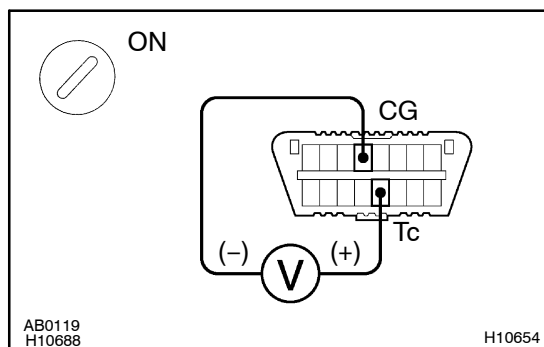
Check operation of the SRS warning light after ignition switch is turned from LOCK position to ON position.

NO

Check SRS warning light system ([See page DI-543](#)).

YES

2 Check voltage between terminals Tc and CG of DLC3.



PREPARATION:

Turn the ignition switch to ON.

CHECK:

Measure the voltage between terminals Tc and CG of DLC3.

OK:

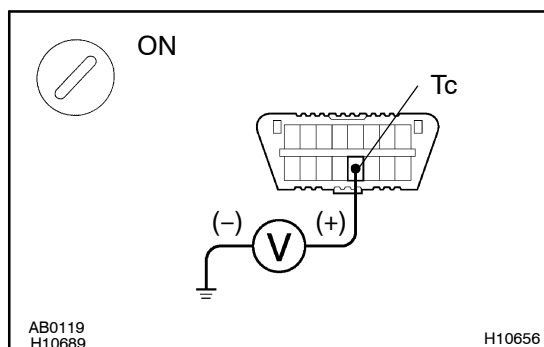
Voltage: 10 - 14 V

OK

Go to step 4.

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3 Check voltage between terminal Tc of DLC3 and body ground.

**CHECK:**

Measure the voltage between terminal Tc of DLC3 and body ground.

OK:

Voltage: 10 – 14 V

OK

Check or repair harness between terminal CG of DLC3 and body ground.

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4 Check multiplex communication system ([See page BE-1](#)).

5 Check airbag sensor assembly.

CHECK:

Check the DTC ([See page DI-369](#)).

OK:

DTC is output.

NG

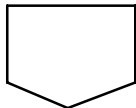
Replace airbag sensor assembly.

OK

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

If the DTC is displayed without a DTC check procedure, perform the following troubleshooting.

- | | |
|---|---|
| 1 | Check and repair wire harness between the engine ECU and DLC3 (See page DI-90). |
|---|---|



- | | |
|---|----------------------|
| 2 | Is DTC output again? |
|---|----------------------|

CHECK:

- (a) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (b) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (c) Check SRS warning light.

YES

Replace airbag sensor assembly.

NO

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