

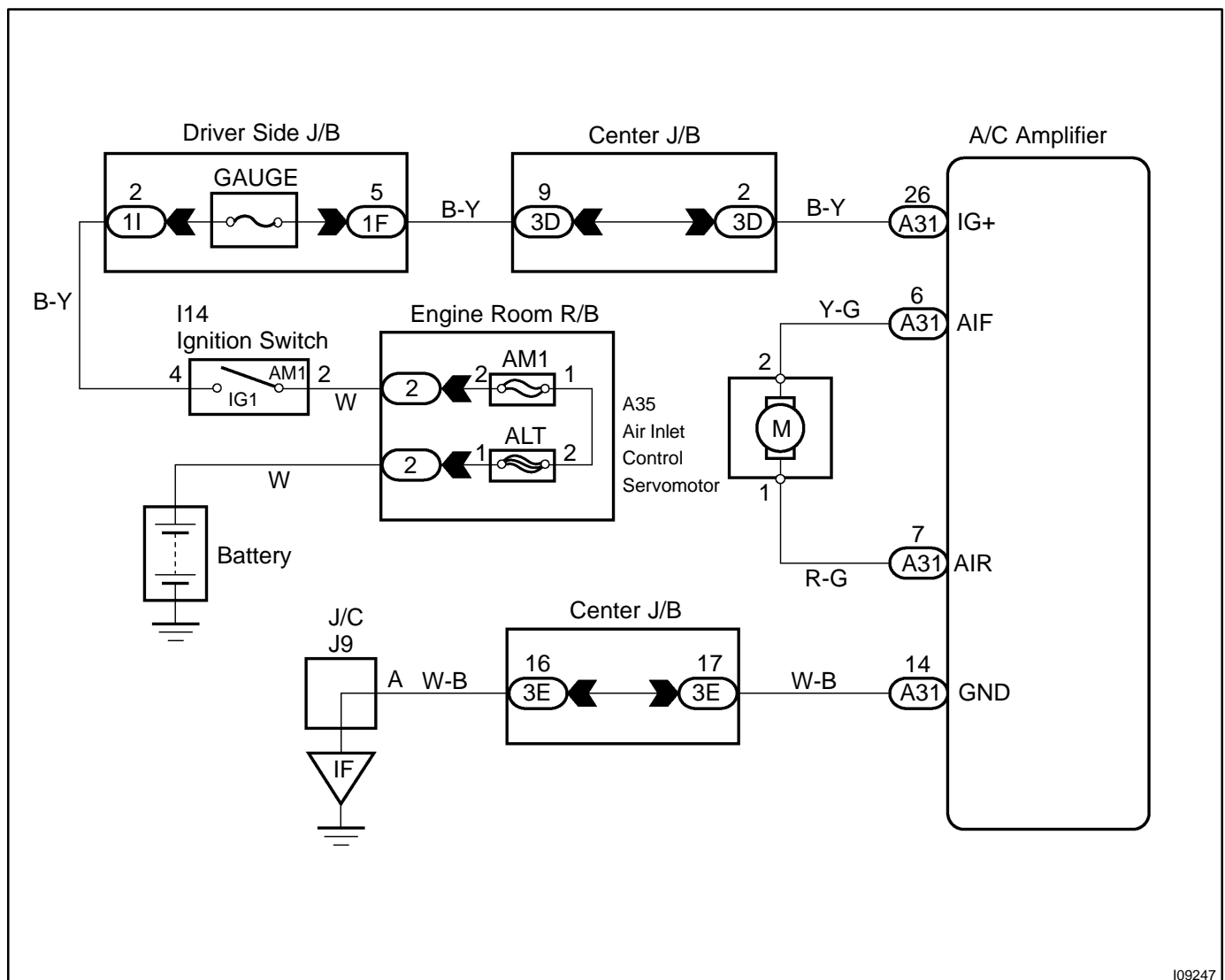
DTC	42	Air Inlet Control Servomotor Circuit
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CIRCUIT DESCRIPTION

The air inlet control servomotor is controlled by the A/C control assembly and moves the air inlet damper to the desired position.

DTC No.	Detection Item	Trouble Area
42	Air inlet damper position sensor value does not change even if A/C control assembly operates air inlet control servomotor.	<ul style="list-style-type: none"> • Air inlet damper position sensor • Harness or connector between air inlet control servomotor and A/C control assembly • A/C control assembly

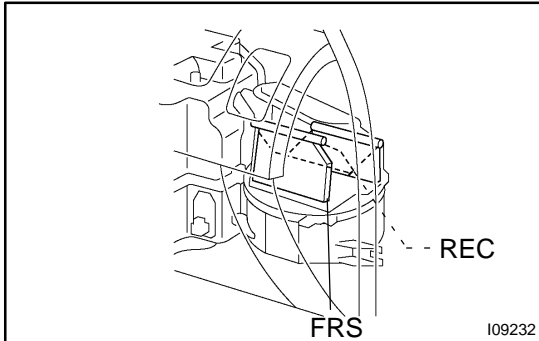
WIRING DIAGRAM



I09247

INSPECTION PROCEDURE

1 Actuator check.

**PREPARATION:**

- (a) Remove glove compartment to see and check the air inlet damper operation.
- (b) Set to the actuator check mode (See page [DI-578](#)).
- (c) Press the DEF switch and change it to step operation.

CHECK:

Press the DEF switch and check the operation air inlet damper.

OK:

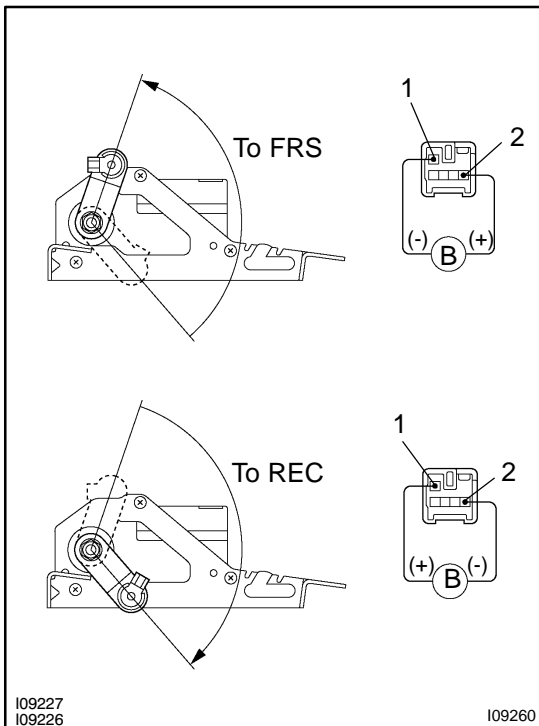
Display Code	Air Inlet Damper
0 - 2	FRS
3	REC/FRS
4 - 9	REC

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-586](#)).

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2 Check air inlet control servomotor.

**PREPARATION:**

Remove air inlet control servomotor (See page [AC-46](#)).

CHECK:

Connect positive (+) lead to terminal 2 and negative (-) lead to terminal 1.

OK:

The lever moves smoothly to FRS position.

CHECK:

Connect negative (-) lead to terminal 2 and positive (+) lead to terminal 1.

OK:

The lever moves smoothly to REC position.

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Replace air inlet control servomotor assembly.

OK

3	Check harness and connector between A/C control assembly and air inlet control servomotor. (See page IN-28).
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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.