

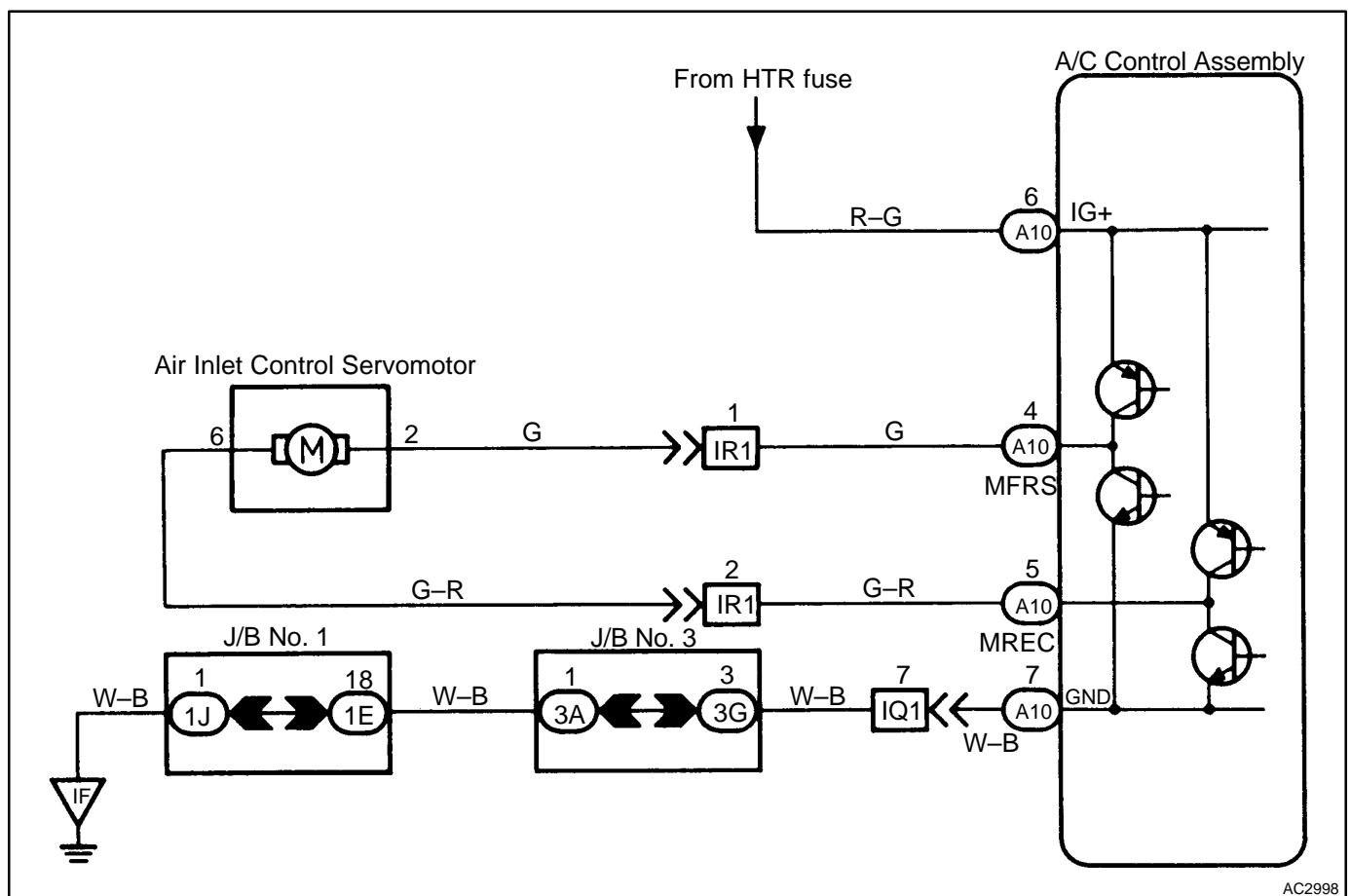
DTC	42	Air Inlet Servo Motor Circuit
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CIRCUIT DESCRIPTION

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

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

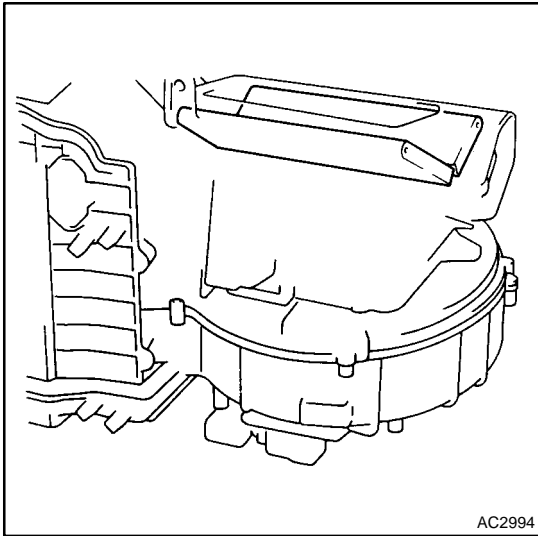
WIRING DIAGRAM



AC2998

INSPECTION PROCEDURE

1 Actuator check.

**PREPARATION:**

- (a) Remove glove compartment assembly to see and check the air inlet damper operation.
- (b) Set the actuator check mode (See page DI-813).
- (c) Press the FRS switch and change it to step operation.

CHECK:

Press the FRS switch and check the operation of the air inlet damper.

OK:

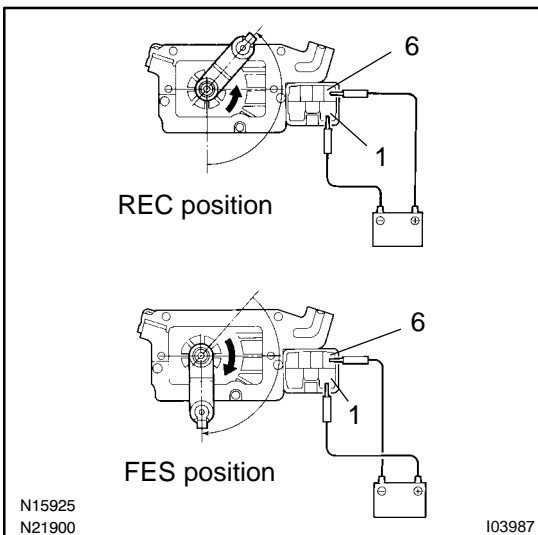
Display Code	Air Inlet Damper
0	FRS
1	F/R
2	REC
3 – 7	FRS

OK

Proceed to next circuit inspection shown on matrix chart (See page DI-821).

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2 Check air inlet servomotor.

**PREPARATION:**

- (a) Remove instrument panel reinforcement (See page BO-95).
- (b) Remove air inlet servomotor (See page AC-61).

CHECK:

Connect positive \oplus lead to terminal 6 and negative \ominus lead to terminal 1.

OK:

The lever moves smoothly to REC position.

CHECK:

Connect negative \ominus lead to terminal 6 and positive \oplus lead to terminal 1.

OK:

The lever moves smoothly to FRS position.

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Replace air inlet servomotor assembly.

OK

3	Check for open and short in harness and connector between air conditioning control assembly and air inlet servomotor (See page IN-29).
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Repair or replace harness or connector.

OK

Check and replace air conditioning control assembly.