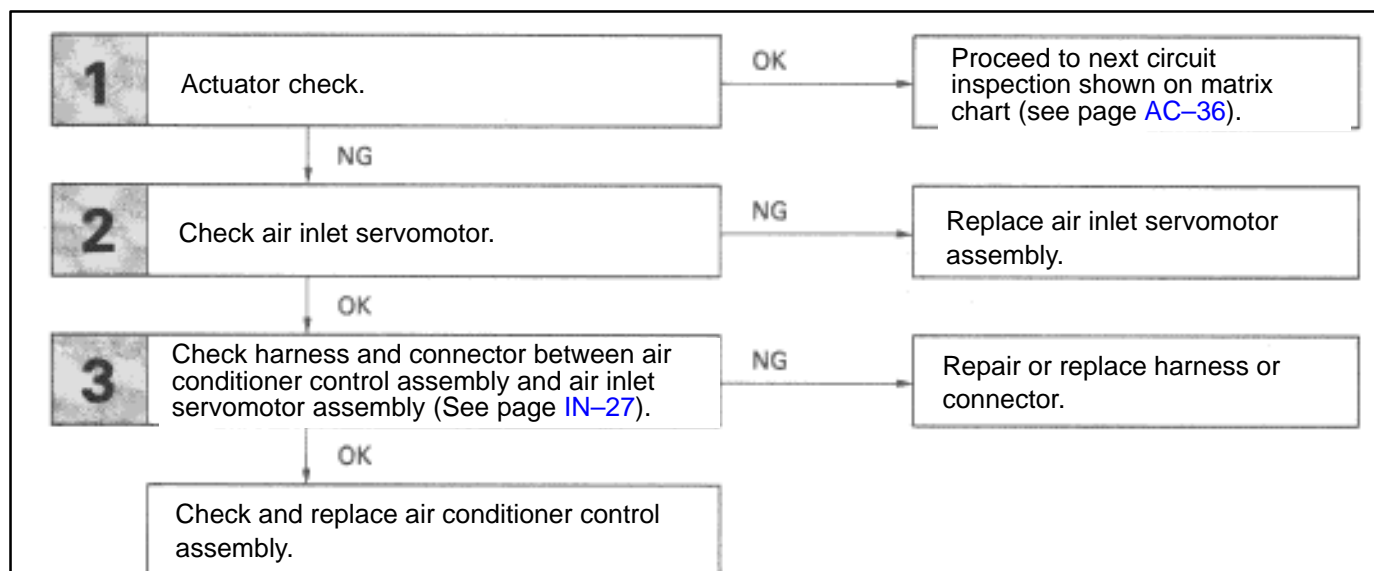
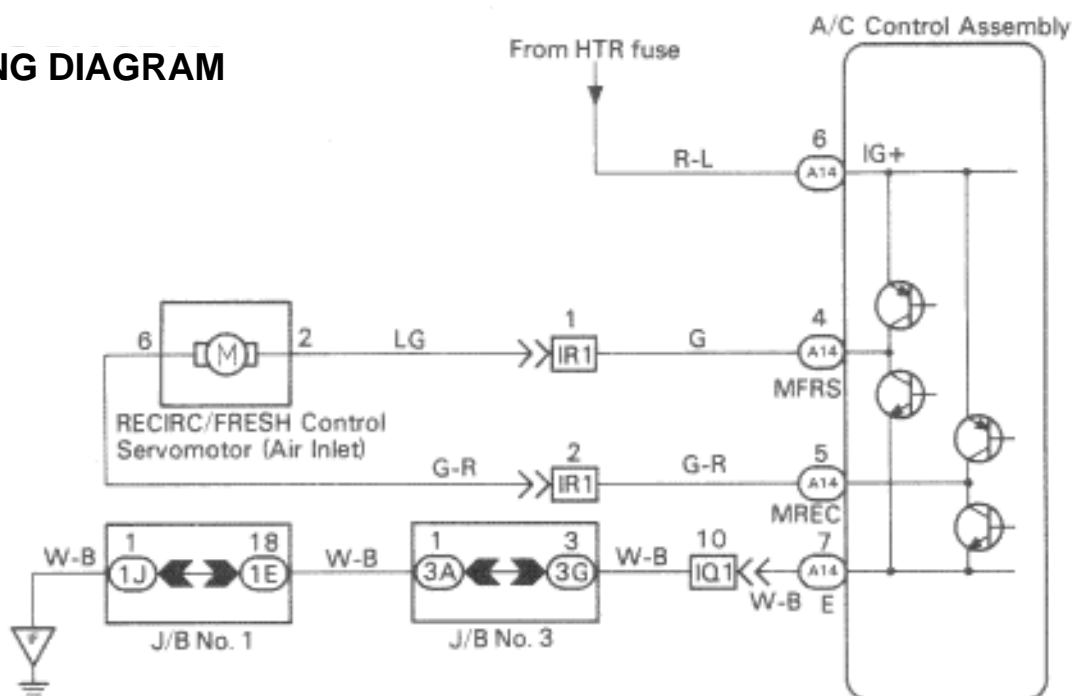


Diag. Code 42**Air Inlet Servomotor Circuit****— CIRCUIT DESCRIPTION —**

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

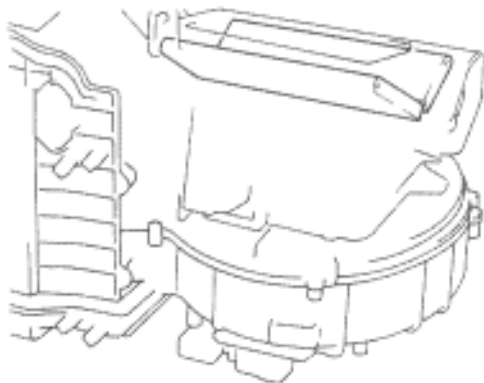
Code No.	Diag. Code Detecting Condition	Trouble area
42	Air inlet damper position sensor value does not change even if A/C control assembly operated air inlet servomotor.	<ul style="list-style-type: none"> Air inlet damper position sensor. Harness or connector between air inlet servo-motor assembly and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

— DIAGNOSTIC CHART —**WIRING DIAGRAM**

INSPECTION PROCEDURE

1

Actuator check.



AC2994

P

7. 1. Remove glove box to see and check the air inlet damper operation.

8. 2. Set to the actuator check mode (see page AC-30).

9. 3. Press the FRS switch and change it to step operation.

C

Press the FRS switch and check the operation of the air mix damper and the condition of the blower.

OK

Display Code	Air Inlet Damper
20	FRS
21	F/R
22	REC
23 ~ 27	FRS

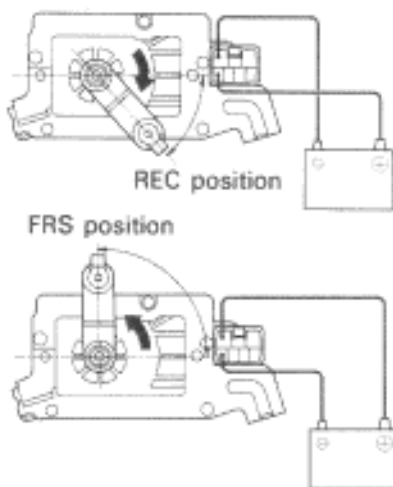
NG

OK

Proceed to next circuit inspection shown on matrix chart (see page AC-36).

2

Check air inlet servomotor.

AC2920
AC2919

P

Remove cooling unit

C

Connect positive \oplus lead to terminal 6 and negative \ominus lead to terminal 2.

OK

The lever moves smoothly to REC position.

C

Connect negative \ominus lead to terminal 6 and positive \oplus lead to terminal 2.

OK

The lever moves smoothly to FRS position.

OK

NG

Replace air inlet servomotor assembly.

3

Check for open and short in harness and connector between air conditioner control assembly and water temperature sensor (see page IN-27).

OK

NG

Repair or replace harness or connector.

Check and replace air conditioner control assembly.