

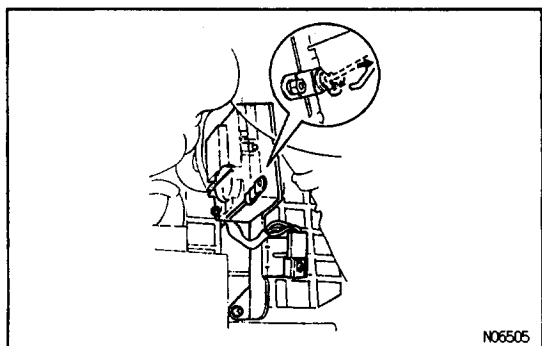
SERVOMOTOR

AIR INLET SERVOMOTOR REMOVAL

Installation is in the reverse order of removal.

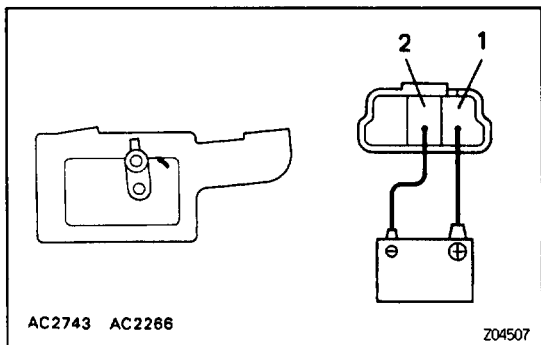
1. REMOVE GLOVE COMPARTMENT DOOR

(See page [BO-59](#))



2. REMOVE AIR INLET SERVOMOTOR

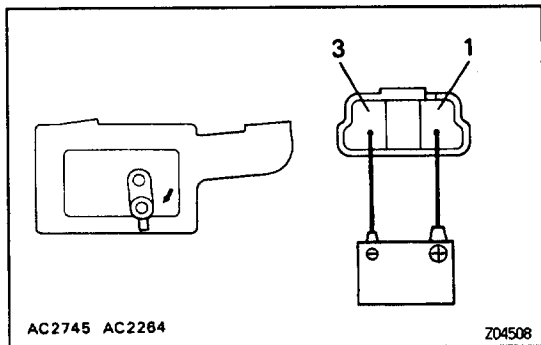
- Set the damper to "RECIRC" position.
- Disconnect the air inlet servomotor connector.
- Disconnect the link from the air inlet servomotor.
- Remove the 3 screws and the air inlet servomotor.



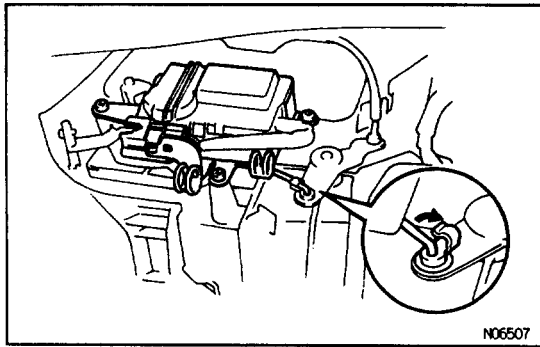
AIR INLET SERVOMOTOR INSPECTION

INSPECT SERVOMOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the arm rotates to the "FRESH" side smoothly.
If operation is not as specified, replace the servomotor.



- Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 3, check that the arm rotates to the "RECIRC" side smoothly.
If operation is not as specified, replace the servomotor.



AIR MIX SERVOMOTOR REMOVAL

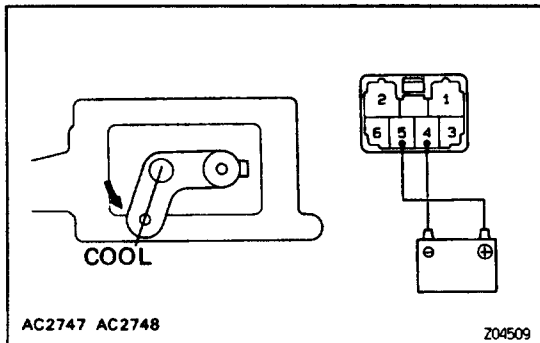
Installation is in the reverse order of removal.

1. REMOVE INSTRUMENT PANEL

(See page [BO-59](#))

2. REMOVE AIR MIX SERVOMOTOR

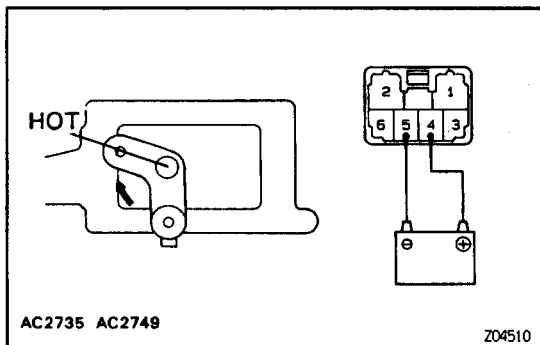
- Disconnect the air mix servomotor connector.
- Remove the 3 screws and the air mix servomotor.
- Disconnect the link from the air mix servomotor.



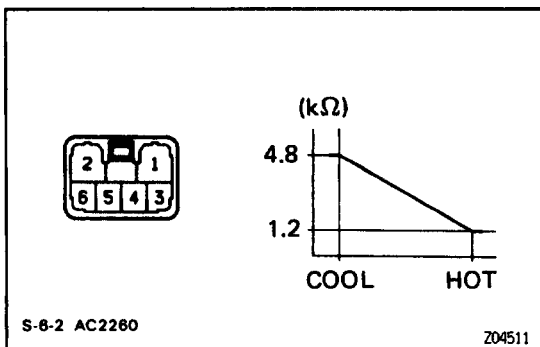
AIR MIX SERVOMOTOR INSPECTION

1. INSPECT SERVOMOTOR OPERATION

- Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 4, check that the arm rotates to the "COOL" side smoothly.
If operation is not as specified, replace the servomotor.



- Reverse the polarity, check that the arm rotates to the "HOT" side smoothly.
If operation is not as specified, replace the servomotor.



2. INSPECT POSITION SENSOR RESISTANCE

- Measure the resistance between terminals 1 and 3.

Standard resistance:

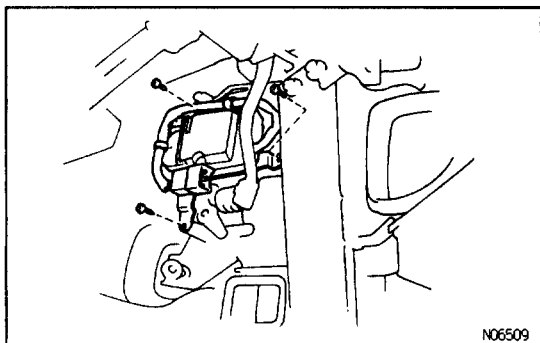
Approx. 6.0 kΩ

- Set the arm to COOL position.
- Check that the resistance between terminals 2 and 3 decreases from approx. 4.8 kW to 1.2 kW, when the arm is rotated from COOL to HOT position.
If operation is not as specified, replace the servomotor.

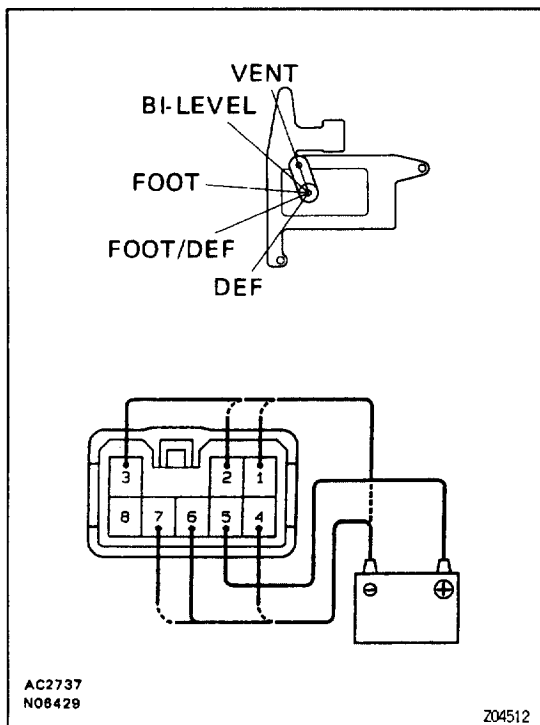
AIR OUTLET SERVOMOTOR REMOVAL

Installation is in the reverse order of removal.

1. **REMOVE INSTRUMENT LOWER FINISH PANEL**
(See page [BO-59](#))
2. **REMOVE DUCT HEATER TO REGISTER No. 2**
(See page [BO-59](#))



3. **REMOVE AIR OUTLET SERVOMOTOR**
 - (a) Disconnect the servomotor connector.
 - (b) Remove the 3 screws and the servomotor.



AIR OUTLET SERVOMOTOR INSPECTION

INSPECT SERVOMOTOR OPERATION

- (a) Connect the positive (+) lead from the battery to terminal 5 and the negative (-) lead to terminal 6.
- (b) Connect the negative (-) lead from the battery to each terminal and check that the arm rotates to each position, as shown below.

Connected terminal	Position
1	VENT
2	Bi-Level
3	FOOT
4	FOOT/DEF
7	DEF

If operation is not as specified, replace the servomotor.