

FRESH AIR/RECIRCULATION SERVO MOUNT REPAIRING GROUP 87, NO. 90-01

Article Text

1990 Audi 200

For chip

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Monday, October 18, 1999 01:48PM

ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

INSUFFICIENT A/C COOLING

Model(s): 1984-88 Audi 5000
1989-on Audi 100, 200
Group: 87 - Air Conditioner
Bulletin No.: 90-01
Date: November, 1990

SERVICE INFORMATION

Insufficient A/C cooling can be the result of a broken fresh air/recirculation servo mount caused by a torn, distorted or shifted recirculation air flap seal.

A misaligned seal exposes seal adhesive and causes recirculation flap to stick. The added force required to open flap causes the servo mount to break.

Use the following procedure to repair a broken or cracked fresh air/recirculation servo mount.

PARTS REQUIRED

PARTS INFORMATION TABLE

Description				Part Number	Qty.
Bracket				200 271 200	1
Screw (4.2 X 13) Self Tapping				N 013 966.12	2
Seal				433 271 263 A	1

- Remove glove compartment. See Fig. 1.
- Remove glove compartment liner, if equipped.
- Remove passenger side lower shelf. See Fig. 2.
- Remove screws from recirculation air flap. See Fig. 3 (arrows).
- Disconnect spring and remove flap.
- Inspect flap seal for distortion or rips and replace, if damaged.
Part No. 433 271 263 A.
- Thoroughly clean and remove any adhesive from surface of flap.

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- Lubricate seal surface with silicone or petroleum jelly.
- Unfasten water tray in plenum and lift tray partially up.
- Reaching through plenum disconnect fresh air/recirculation servo from fresh air flap.
- Remove vacuum hose and remove fresh air/recirculation servo.
- Remove broken servo mount from servo.
- Remove (cut) any remaining pieces of broken servo mount from housing.
- Install bracket -1-, Part No. 200 271 200 onto housing in same location as old mount. See Fig. 4.

CAUTION: Do NOT overtighten screws or permanent damage to the housing will result.

- Install self-tapping screws, Part No. N 013 966.12 or equivalent through holes in bracket and fasten to housing. See Fig. 5, (arrows).

NOTE: A 1/4" drive air or electric powered ratchet with hex shank phillips bit makes installing these screws easier.

- Inspect end of fresh air/recirculation servo for cracks, replace servo if damaged. See Fig. 6, (arrow).
- Check servo diaphragm for leaks using hand vacuum pump US 8026.

* Diaphragm must hold vacuum.

If NO

- Replace vacuum servo.
- Install vacuum servo to service bracket and lock in place by turning servo 90 degrees (1/4 turn). See Fig. 7.
- Connect vacuum hose to servo.
- Connect end of vacuum servo to fresh air flap.
- Re-fasten water tray in plenum.
- Install recirculation air flap.

* The seal and flap must be clean and free of seal adhesive.

- Check A/C system for proper operation.

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* Fresh air/recirculation flaps must open and close freely.

- Inside passenger side lower shelf.
- Install glove compartment liner, (if necessary) and glove compartment.

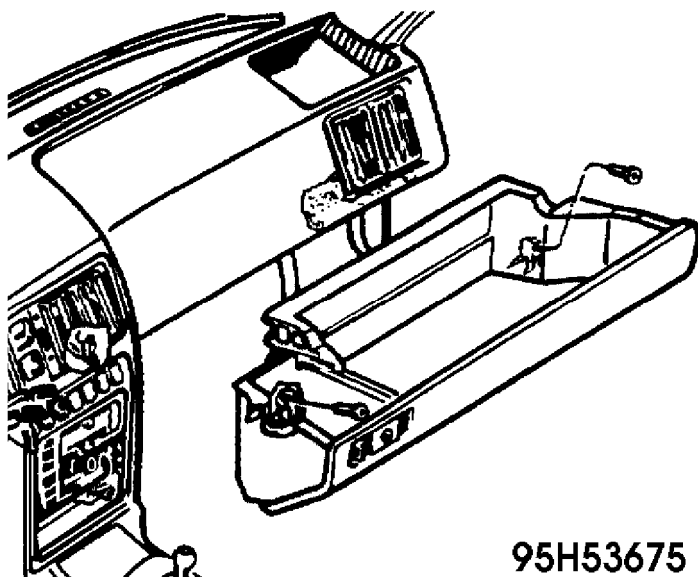
SUGGESTED REPAIR TIME

LABOR OPERATION: 8760311 - Install fresh air/recirculation servo mounting bracket

DIAGNOSIS: 20 T.U.

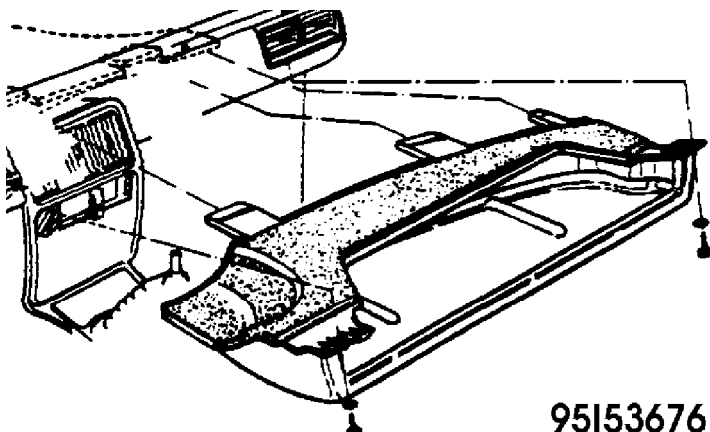
REPAIR: 75 T.U.

QUALITY CHECK: 5 T.U.



95H53675

Fig. 1: Removing Glove Compartment



95I53676

Fig. 2: Removing Passenger Side Lower Shelf

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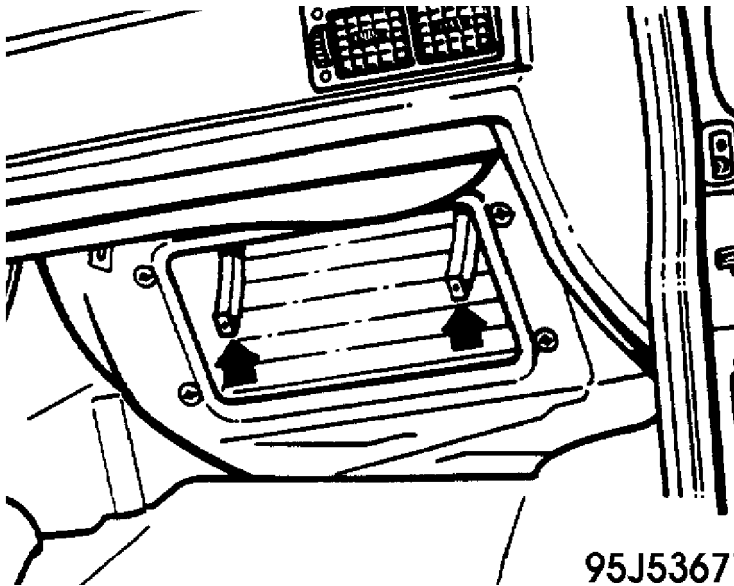


Fig. 3: Recirculation Air Flap Screw Locations

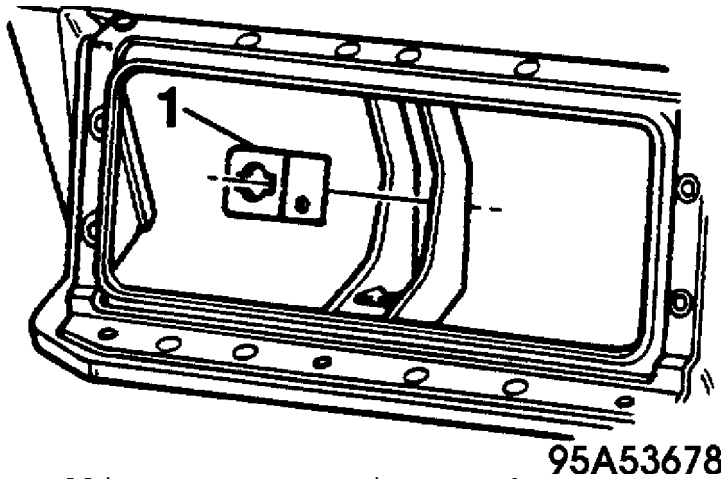


Fig. 4: Installing Servo Mounting Bracket

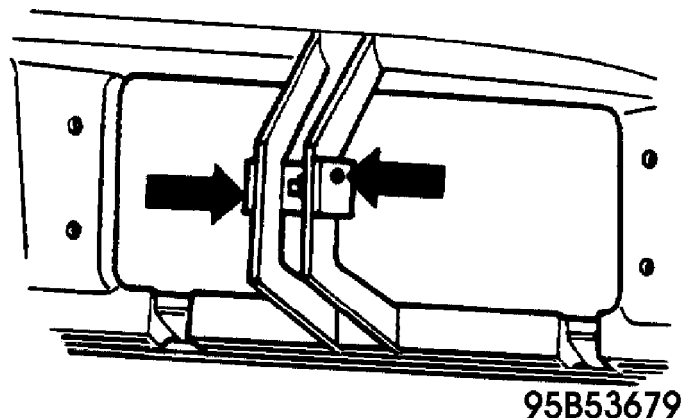


Fig. 5: Hole Locations In Bracket

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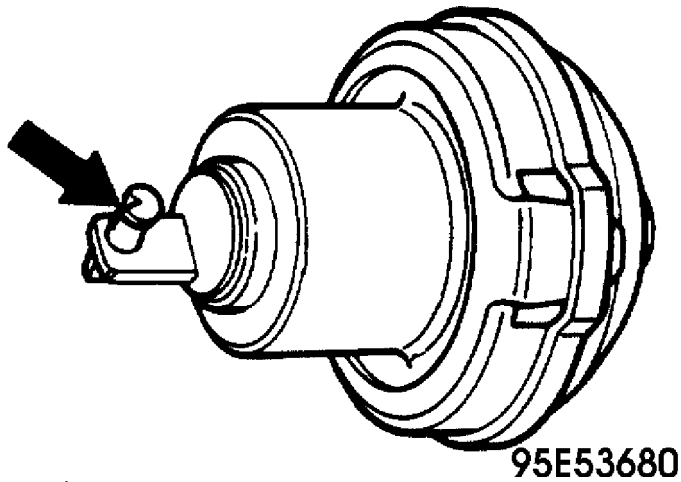


Fig. 6: Location Of Cracks In Servo End

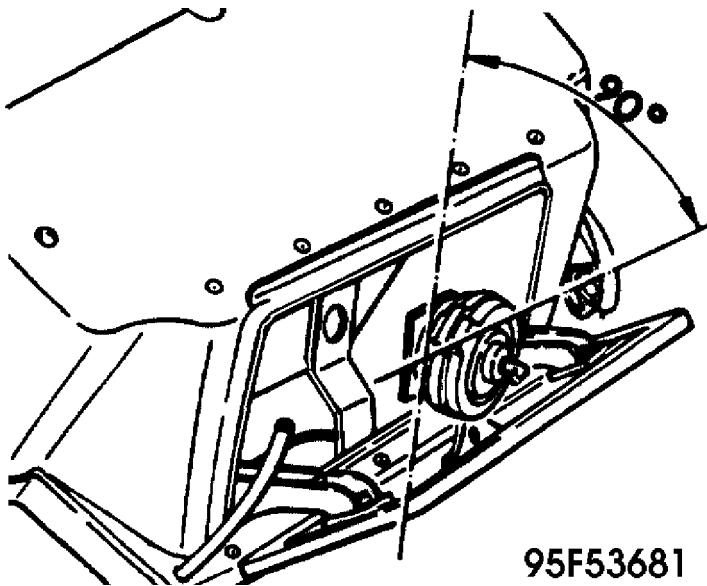


Fig. 7: Installing Fresh Air/Recirculation Servo

END OF ARTICLE