



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

Subject: **Musty Odor from Heating and Ventilation System**

Group: **87**

Number: **99-01**

Model(s): **All with A/C**

Date: **Nov. 30, 1999**

Supersedes T.B. Group 87 Number 98-01 dated Feb. 6, 1998

Condition

Unpleasant "musty" odor from Heating and Ventilation system.

Odor mainly occurs after vehicle has been sitting (unused) at least 5 hours and within 20 to 60 seconds after vehicle is first started.

This odor may be caused by residual condensate in and around evaporator mixing with airborne pollutants. This forms the growth of bacteria and or fungi (mold).

Note:

- ◆ *Condensate is a normal condition in all A/C systems.*
- ◆ *This odor can be eliminated by destroying the bacterial and or mold growth using a product called Airsept®.*

Service

Prior to performing Airsept® procedure:

- ◆ Condensate drain(s) in bottom of plenum chamber must be open and free of any debris.
- ◆ Bulkhead must be sealed (no leaks/water ingress into passenger compartment).
- ◆ Evaporator water drain valve (behind bulkhead insulation) must open freely.

(Cont. on Page 2)



Important!

Please give copies to all
your VW Technicians

Technical Bulletin



Airsept® Air Conditioning Treatment

Required tools

◀ VAS 5106 applicator tool

Air compressor

1 (4 fl. oz.) bottle of Airsept® Air Conditioning Treatment

WARNING!

Keep product out of the reach of children.

Wear skin and eye protection (prevent contact with skin or eyes).

If product comes in contact with skin or eyes, rinse thoroughly with clean water.

DO NOT inhale vapors (stay away from open vehicle windows until product has dried).

If Possible, application should be conducted in an open environment, or at least with adequate circulation and ventilation.

Note:

- ◆ **ALWAYS read and follow accompanying Airsept® product Safety Precautions!**
- ◆ **Actual working time is approx. 30 minutes. Complete procedure takes approx. 3½ hours including drying/hardening time.**
- ◆ **Follow procedure precisely. If specified drying/hardening time is not complied with, the product will be washed off by condensation and treatment will not work.**
- ◆ **If applied properly, Airsept® will inhibit the new growth of bacteria and mold for approximately 1 year.**

(Cont. on Page 3)



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

Vehicle preparation

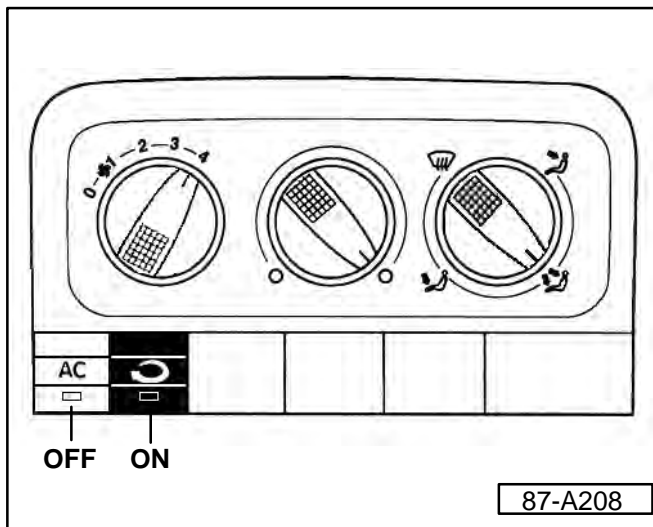
- Cover all seats and cover carpeting below passenger side instrument panel.
- Remove right side plenum cover, clean any accumulation of debris (leaves, twigs etc.).
- Remove air intake adapter, pollen filter (if equipped).
- Place a catch basin below condenser drain.

CAUTION!

Take care not to damage seal when removing air intake adapter.

Note:

Illustrations are used for reference to procedure only, actual A/C control views may differ from what is shown.



- Set Fresh air/heating controls as follows:
 - Temperature control knob to full hot
 - Fresh air blower to high speed (position 4)
 - Air distribution on bi-level (footwell and central A/C ducts)
 - A/C switched OFF
 - Recirculating flap switched ON
- Open all windows and tilt sun roof (if equipped) to approx. 1/2 in. (1cm).

(Cont. on Page 4)



Important!

Please give copies to all your VW Technicians

Technical Bulletin

- Start engine and run engine for approx. 30 minutes.

WARNING!

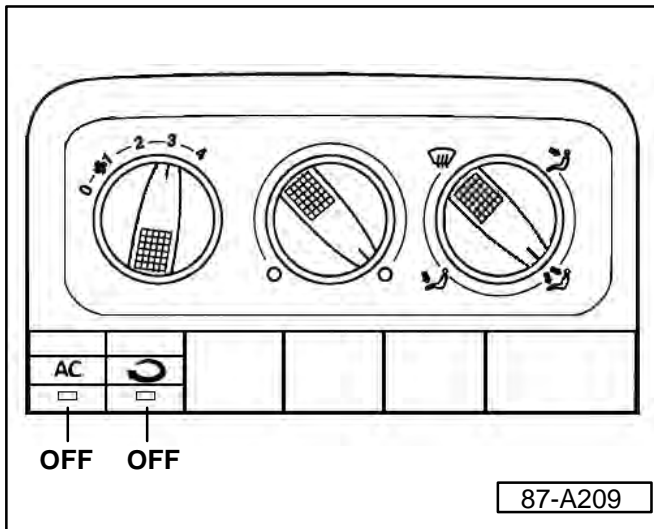
Never start or let the engine run in a confined or enclosed unventilated area. Exhaust fumes from the engine contain carbon monoxide, which is a colorless and odorless gas. Carbon monoxide can be fatal if inhaled.

Never leave vehicle unattended while engine is running. An unattended vehicle with a running engine is potentially hazardous.

After 30 minutes: system should be dry (free of any moisture).

Note:

If system is not fully dried, Airsept® will wash away with newly formed condensate.



- ◀ - Set Fresh air/heating controls as follows:
 - Temperature control knob to full hot
 - Fresh air blower to third speed (position 3)
 - Air distribution on bi-level (footwell and central A/C ducts)
 - A/C switched OFF
 - Recirculating flap switched OFF

(Cont. on Page 5)



Important!

Please give copies to all
your VW Technicians

Technical Bulletin

Airsept® application

- Insert VAS 5106 applicator tool in air intake in plenum with nozzle pointed towards evaporator.
- Thoroughly shake bottle of Airsept® and install onto VAS 5106 applicator tool.
- Connect VAS 5106 applicator tool to air regulator (included with tool) Air regulator is pre-set.

Note:

- ◆ *Air supply must be oil free.*
- ◆ *Supply line pressure to tool must be correct, too much or too little pressure will not provide the desired coverage.*
- Apply short bursts (approx. 3 seconds) of Airsept® using tool VAS 5106 until bottle is empty. Move tool around in housing to ensure adequate coating.
- When bottle is empty, switch ignition OFF and let vehicle sit for approx. 30 minutes.

Airsept® tool, cleaning

- Remove Airsept® bottle from tool, remove tool from vehicle, flush tool and bottle with clean water.
- Fill Airsept® bottle with clean **hot** water and reinstall onto VAS 5106 tool (**DO NOT reinstall tool on vehicle**), then apply air pressure until bottle is empty, flush tool with clean water and discard Airsept® bottle.
- Reinstall seal, air intake adapter, pollen filter (if equipped) and right side plenum cover.

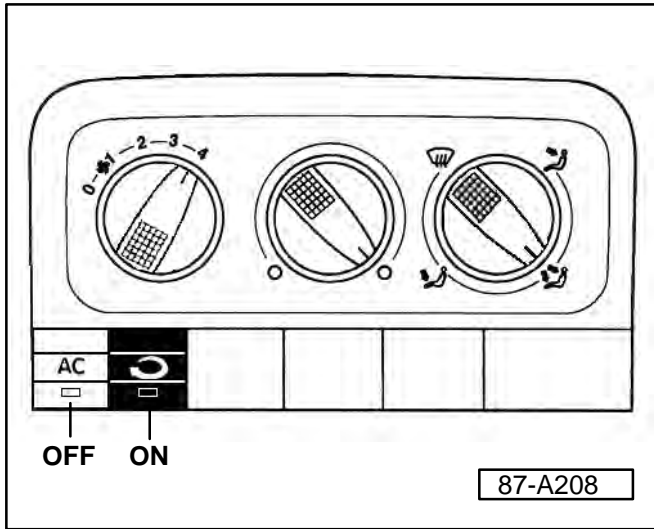
(Cont. on Page 6)



Important!

Please give copies to all
your VW Technicians

Technical Bulletin



Airsept® application, drying

- Set Fresh air/heating controls as follows:
 - Temperature control knob to full hot
 - Fresh air blower to high speed (position 4)
 - Air distribution on bi-level (footwell and central A/C ducts)
 - A/C switched OFF
 - Recirculating flap switched ON
- Start engine and run engine for approx. 30 minutes.
- Switch ignition OFF, remove protective seat and floor covers.
- Return temperature control knob, fresh air blower, A/C switch and recirculating flap switch settings to customer's settings.
- Let vehicle sit for a minimum of 2 hours with windows open (preferably with doors open if possible).
- Enter date of Airsept® treatment into the vehicle maintenance record.

When procedure applies to vehicles within The New Vehicle Limited Warranty and adheres to Warranty Policy guidelines, use the following:

Part Identifier: 8760

Labor Operation: 8700510 220 TU

After Airsept® treatment

Explain to the customer that running the air conditioner during Spring and Fall months reduces the chance for airborne pollutants to adhere to the evaporator and housing.